

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

#### PRODUCT NAME

STR-SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

#### SUPPLIER

Supplier Info	Detail
<b>Name:</b>	Wokytoky LMR Equipment
<b>Contact:</b>	Ted Zed - (xxx) xxx-xxxx

#### PRODUCT

Product Info	Detail
<b>Product Name:</b>	Wokytoky ABC2000M78 700/800 MHz Mobile Subscriber SN C87TJD8NX2-O (See table, Model Class: Wokytoky ABC Subscriber for a listing of compliance equivalent model-family products.) <sup>1</sup>
<b>Installed Hardware Options:</b>	Trunking, Encryption
<b>Installed Software Options:</b>	Trunking, Encryption
<b>Installed Vocoder:</b>	AMBE+2

#### TESTS

Description
P25-CAB-CAI_TEST_REQ - MONTH YEAR, Section 2.1.1.1 - Project 25 Phase 1 Common Air Interface Conventional Subscriber Unit Performance
P25-CAB-CAI_TEST_REQ - MONTH YEAR, Section 2.1.1.2 - Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Performance
P25-CAB-CAI_TEST_REQ - MONTH YEAR, Section 2.1.3.1 - Project 25 Phase 1 Common Air Interface Conventional Direct Mode Subscriber Unit Interoperability
P25-CAB-CAI_TEST_REQ - MONTH YEAR, Section 2.1.3.2 - Project 25 Phase 1 Common Air Interface Conventional Repeat Mode Subscriber Unit Interoperability
P25-CAB-CAI_TEST_REQ - MONTH YEAR, Section 2.1.3.3 - Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Interoperability

<sup>1</sup> If necessary, follow the product name with a reference to a Model Class table near the end of the report.

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

#### LABORATORY INFORMATION

Laboratory	Details
<b>P25 CAP Laboratory Code:</b>	P25CAP081001
<b>Date(s) of Test:</b>	OCT 5, 2015 to OCT 9, 2015
<b>Detailed Test Report:</b>	DTR-P25CAP081001-34330
<b>Date of Issue:</b>	OCT 19, 2015 (Product)

Laboratory	Details
<b>P25 CAP Laboratory Code:</b>	P25CAP081002
<b>Date(s) of Test:</b>	OCT 12, 2015 to OCT 16, 2015
<b>Detailed Test Report:</b>	DTR-P25CAP081002-IC66120
<b>Date of Issue:</b>	OCT 26, 2015 (Product)

Laboratory	Details
<b>P25 CAP Laboratory Code:</b>	P25CAP081003
<b>Date(s) of Test:</b>	OCT 19, 2015 to OCT 23, 2015
<b>Detailed Test Report:</b>	DTR-P25CAP081003-IC66120
<b>Date of Issue:</b>	NOV 2, 2015 (Product)

#### INFORMATIVE REFERENCES

Date:	Title:
MONTH YEAR	P25-CAB-CAI_TEST_REQ

#### RECEIVER PERFORMANCE TESTING (700 MHZ, 800 MHZ)<sup>2</sup> - CONVENTIONAL

Test Identification	Detailed Test Report Identification
P25-CAB-CAI_TEST_REQ - MONTH YEAR, Section 2.1.1.1 - Project 25 Phase 1 Common Air Interface Conventional Subscriber Unit Performance	DTR-P25CAP081001-34330

<sup>2</sup> This example is for 700/800 MHz frequency band. Throughout the report, remember to insert the appropriate frequency band in this space. Include multiple tables if necessary and appropriate. For example, to present test results for a multi-band radio, include tables for VHF, UHF, and 700/800 MHz bands. Also, see footnote 4 and 5.

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

Test Case	Description	Requirement	Results
3.1.4	Reference Sensitivity	$\leq -116$ dBm (Class A) <sup>3</sup>	P
3.1.5	Faded Reference Sensitivity	$\leq -108$ dBm (Class A) <sup>3</sup>	P
3.1.6	Signal Delay Spread Capability	$\geq 50$ $\mu$ s	P
3.1.7	Adjacent Channel Rejection	$\geq 60$ $\mu$ s (Class A) <sup>3</sup>	P
3.1.8	Co-Channel Rejection	$\leq 9$ dB	P
3.1.9	Spurious Response Rejection	$\geq 70$ dB (Class A) <sup>3</sup>	P
3.1.10	Intermodulation Rejection	$\geq 70$ dB (Class A) <sup>3</sup>	P
3.1.11	Signal Displacement Bandwidth	$\geq 1000$ Hz	P
3.1.17	Late Entry Unsquelch Delay: No Talk Group or Encryption	$\leq -125$ ms	P
3.1.17	Late Entry Unsquelch Delay: Talk Group Only	$\leq -370$ ms	P
3.1.17	Late Entry Unsquelch Delay: Encryption Only	$\leq -370$ ms	P
3.1.17	Late Entry Unsquelch Delay: Both (on clear of encrypted channel)	$\leq -460$ ms	P
3.1.18	Receiver Throughput Delay	$\leq -125$ ms	P

#### TRANSMITTER PERFORMANCE TESTING (700 MHZ, 800 MHZ) - CONVENTIONAL

Test Identification	Detailed Test Report Identification
P25-CAB-CAI_TEST_REQ - MONTH YEAR, Section 2.1.1.1 - Project 25 Phase 1 Common Air Interface Conventional Subscriber Unit Performance	DTR-P25CAP081001-34330

#### Test Case 2.2.8<sup>4</sup> - Unwanted Emissions: Adjacent Channel Power Ratio

Test Case	Offset from Center Frequency (KHz)	Measurement Bandwidth (KHz)	ACPR (dB)	Results
3.2.8.2	9.375	6.25	$\geq 40$	P

<sup>3</sup> The example given here is for Class A Portable equipment; ensure you use the appropriate value for Class B and/or Mobile or Base Station equipment as specified in [TIA-102.CAAB].

<sup>4</sup> For 700 MHz, use a separate table to handle Test Case 2.2.8. Use of a separate table supports the 1:1 row-to-column ratio required for Section 508 compliance. Also, see footnotes 2 and 5.

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

Test Case	Offset from Center Frequency (KHz)	Measurement Bandwidth (KHz)	ACPR (dB)	Results
3.2.8.2	15.625	6.25	≥ 60	P
3.2.8.2	21.875	6.25	≥ 60	P
3.2.8.2	37.5	25	≥ 60	P
3.2.8.2	62.5	25	≥ 65	P
3.2.8.2	87.5	25	≥ 65	P
3.2.8.2	150	100	≥ 65	P
3.2.8.2	250	100	≥ 65	P
3.2.8.2	350	100	≥ 65	P
3.2.8.2	> 400 KHz to 12 MHz	30 (s)	≥ 75	P
3.2.8.2	12 MHz to paired receive band	30 (s)	≥ 75	P
3.2.8.2	In paired receive band	30 (s)	≥ 100	P

Test Case	Description	Requirement	Results
3.2.8.1 <sup>5</sup>	Unwanted Emissions: Adjacent Channel Power Ratio	≥ 67 dB	P
3.2.12	Transmitter Attack Time	≤ 50 ms	P
3.2.12	Encoder Attack Time	≤ 100 ms	P
3.2.14	Transmitter Throughput Delay	≤ 125 ms	P
3.2.15	Frequency Deviation for C4FM: High-Level Signal Deviation	$2544 < f_{dev} \leq 3111$ Hz	P
3.2.15	Frequency Deviation for C4FM: Low-Level Signal Deviation	$848 < f_{dev} \leq 1037$ Hz	P
3.2.16	Modulation Fidelity	≤ 5% (Class A) <sup>3</sup>	P
3.2.18	Transient Frequency Behavior: Time Interval $t_1 = 20$ ms <sup>6</sup>	$ \Delta f  \leq 12.5$ Hz	P

<sup>5</sup> For 700 MHz, remove this row and use a separate table to handle Test Case 2.2.8. Also see footnotes 2 and 4. Use of a separate table supports the 1:1 row-to-column ratio required for Section 508 compliance.

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

Test Case	Description	Requirement	Results
3.2.18	Transient Frequency Behavior: Time Interval $t_2 = 50$ ms	$ \Delta f  \leq 6.25$ Hz	P
3.2.18	Transient Frequency Behavior: Time Interval $t_3 = 10$ ms <sup>6</sup>	$ \Delta f  \leq 12.5$ Hz	P

### RECEIVER PERFORMANCE TESTING (700 MHZ, 800 MHZ) - TRUNKED

Test Identification	Detailed Test Report Identification
P25-CAB-CAI_TEST_REQ - MONTH YEAR, Section 2.1.1.2 - Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Performance	DTR-P25CAP081001-34330

Test Case	Description	Requirement	Results
3.1.4	Reference Sensitivity	$\leq -116$ dBm (Class A) <sup>3</sup>	P
3.1.5	Faded Reference Sensitivity	$\leq -108$ dBm (Class A) <sup>3</sup>	P
3.1.6	Signal Delay Spread Capability	$\geq 50$ $\mu$ s	P
3.1.7	Adjacent Channel Rejection	$\geq 60$ $\mu$ s (Class A) <sup>3</sup>	P
3.1.8	Co-Channel Rejection	$\leq 9$ dB	P
3.1.9	Spurious Response Rejection	$\geq 70$ dB (Class A) <sup>3</sup>	P
3.1.10	Intermodulation Rejection	$\geq 70$ dB (Class A) <sup>3</sup>	P
3.1.11	Signal Displacement Bandwidth	$\geq 1000$ Hz	P

### TRANSMITTER PERFORMANCE TESTING (700 MHZ, 800 MHZ) - TRUNKED

Test Identification	Detailed Test Report Identification
P25-CAB-CAI_TEST_REQ - MONTH YEAR, Section 2.1.1.2 - Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Performance	DTR-P25CAP081001-34330

<sup>6</sup> If the transmitter carrier output power rating is 6 watts or less, the mean frequency difference during  $t_1$  and  $t_3$ , may be greater than  $\pm 12.5$  kHz. Reported result should be "N/A" or optionally, may be reported as P or F.

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

#### Test Case 2.2.8<sup>4</sup> - Unwanted Emissions: Adjacent Channel Power Ratio

Test Case	Offset from Center Frequency (KHz)	Measurement Bandwidth (KHz)	ACPR (dB)	Results
3.2.8.2	9.375	6.25	≥ 40	P
3.2.8.2	15.625	6.25	≥ 60	P
3.2.8.2	21.875	6.25	≥ 60	P
3.2.8.2	37.5	25	≥ 60	P
3.2.8.2	62.5	25	≥ 65	P
3.2.8.2	87.5	25	≥ 65	P
3.2.8.2	150	100	≥ 65	P
3.2.8.2	250	100	≥ 65	P
3.2.8.2	350	100	≥ 65	P
3.2.8.2	> 400 KHz to 12 MHz	30 (s)	≥ 75	P
3.2.8.2	12 MHz to paired receive band	30 (s)	≥ 75	P
3.2.8.2	In paired receive band	30 (s)	≥ 100	P

Test Case	Description	Requirement	Results
3.2.8.1 <sup>5</sup>	Unwanted Emissions: Adjacent Channel Power Ratio	≥ 67 dB	P
3.2.12	Transmitter Attack Time	≤ 50 ms	P
3.2.12	Encoder Attack Time	≤ 100 ms	P
3.2.14	Transmitter Throughput Delay	≤ 125 ms	P
3.2.15	Frequency Deviation for C4FM: High-Level Signal Deviation	$2544 < f_{dev} \leq 3111$ Hz	P
3.2.15	Frequency Deviation for C4FM: Low-Level Signal Deviation	$848 < f_{dev} \leq 1037$ Hz	P
3.2.16	Modulation Fidelity	≤ 5% (Class A) <sup>3</sup>	P
3.2.18	Transient Frequency Behavior: Time Interval $t_1 = 20$ ms <sup>6</sup>	$ \Delta f  \leq 12.5$ Hz	P

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

Test Case	Description	Requirement	Results
3.2.18	Transient Frequency Behavior: Time Interval $t_2 = 50$ ms	$ \Delta f  \leq 6.25$ Hz	P
3.2.18	Transient Frequency Behavior: Time Interval $t_3 = 10$ ms <sup>6</sup>	$ \Delta f  \leq 12.5$ Hz	P

### OTHER DEVICES TESTED FOR INTEROPERABILITY

Other devices tested with PRODUCT NAME HERE.

Supplier and Contact	Product Name, Definition, <sup>7</sup> Unique ID	Installed Hardware Options	Installed Software Options
Wokytoky LMR Equipment Ted Zed (xxx) xxx-xxxx	SkyNet SN2000T Trunk System SN 100577008 (See table, Model Class: Wokytoky SkyNet Trunk System for a listing of compliance equivalent model-family products.)	Option A15 Option 2B	Release 5.10 Release 5.11 Release 5.12
AirTalky John Doe (xxx) xxx-xxxx	AT1000T Trunk System SN AFE0014	1.5 ACMv1	ERCv3
Speak Systems Jane Smith (xxx) xxx-xxxx	SS4T Trunk System SN 0011234	N/A	N/A
Wokytoky LMR Equipment Ted Zed (xxx) xxx-xxxx	SkyNet SN100R Repeater SN 100578008	N/A	R04.9
AirTalky John Doe (xxx) xxx-xxxx	AT100R Repeater SN AFE0347	N/A	ERDv7.3

<sup>7</sup> If necessary, identify the Model Class table to reference for Installed Options.

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

Supplier and Contact	Product Name, Definition, Unique ID	Installed Hardware Options	Installed Software Options
Speak Systems Jane Smith (xxx) xxx-xxxx	SS4R Repeater SN 0021758	N/A	N/A
AirTalky John Doe (xxx) xxx-xxxx	AT10C Console SN AFE0449	N/A	EREv9.5
Wokytoky LMR Equipment Ted Zed (xxx) xxx-xxxx	DEF3500P78 700/800 MHz Portable SN 100576908 (See table, Model Class: Wokytoky DEF Subscriber for a listing of compliance equivalent model-family products.)	Trunking, Encryption	Firmware: R1 thru R4
ClearWavier Fred Jones (xxx) xxx-xxxx	CWX7300P 700/800 MHz Portable SN 018362985	7300CWXPd98jd	7300CWXPx2tt
AirVine Karen Wu (xxx) xxx-xxxx	AV100P 700/800 MHz Portable SN AV100000122	100AVPH007a5y	100AVPS028ca1g
TalkAbout Cab Calloday (xxx) xxx-xxxx	TA9000M 700/800 MHz Mobile SN TA300037894	9000TAFJH333	9000TAFJS333
Frank Systems Lesslee Ismore (xxx) xxx-xxxx	FS2000P 700/800 MHz Portable SN FS100008837	2000FS0089fu	2000FSPS085ig7

#### INTEROPERABILITY TESTING (700 MHZ, 800 MHZ) - CONVENTIONAL: DIRECT MODE

Test Identification	Product
P25-CAB-CAI_TEST_REQ - MONTH YEAR, Section 2.1.3.1 - Project 25 Phase 1 Common Air Interface Conventional Direct Mode Subscriber Unit Interoperability	SUBSCRIBER PRODUCT NAME HERE

Month dd, yyyy



## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

Product	Detailed Test Report Identification
Wokytoky DEF3500P78 Portable	DTR-P25CAP081002-IC32430
ClearWaivier CWX7300P Portable	DTR-P25CAP081002-IC55430
AirVine AV100P Portable	DTR-P25CAP081002-IC66430
TalkAbout TA3000M Mobile	DTR-P25CAP081002-IC77430
Frank Systems FS2000P Portable	DTR-P25CAP081002-IC88430

Test Case	Description	DEF3500P7 C	CWX7300P C	AV100P C	TA3000M C	FS2000P C
<b>2.2.1</b>	<b>Matching NAC Operation and SU Unaddressed Voice Call</b>					
2.2.1.4.1	Test Case 1 - Unaddressed Voice Call	P	P	P	P	P
<b>2.2.2</b>	<b>Matching NAC Operation and SU Routine Group Voice Call</b>					
2.2.2.4.1	Test Case 1 - Routine Group Voice Call	P	P	P	P	P
<b>2.2.3</b>	<b>Monitor Mode - SU Group Voice Call</b>					
2.2.3.4.1	Test Case 1 - Receiving Group Call	P	P	P	P	P
<b>2.2.8</b>	<b>Accept Any NAC in Normal and Selective Squelch Mode - SU Group Voice Call</b>					
2.2.8.4.1	Test Case 1 - Receiving Group Call with Receive NAC \$F7E under Normal and Selective Squelch Modes	P	P	P	P	P
<b>2.2.4</b>	<b>Emergency Call</b>					
2.2.4.4.1	Test Case 1 - Emergency Call	P	P	P	P	P
<b>2.2.5</b>	<b>Unit-to-Unit Voice Call</b>					
2.2.5.4.1	Test Case 1 - Initiate Unit-to-Unit Call from SU 1	P	P	P	P	P
2.2.5.4.2	Test Case 2 - Initiate Unit-to-Unit Call from SU 5	P	P	P	P	P

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

Test Case	Description	DEF3500P7	CWX7300P	AV100P	TA3000M	FS2000P
<b>2.2.6</b>	<b>Unit-to-Unit Voice Call - Receiving Units also in Monitor Mode</b>					
2.2.6.4.1	Test Case 1 - Initiate Unit-to-Unit Call from SU 1	P	P	P	P	P
2.2.6.4.2	Test Case 2 - Initiate Unit-to-Unit Call from SU 5	P	P	P	P	P
<b>2.2.7</b>	<b>Encryption</b>					
2.2.7.4.1	Test Case 1 - Call Privacy for Encrypted Call	P	P	P	P	P
<b>2.3.1</b>	<b>Call Alert</b>					
2.3.1.4.1	Test Case 1 - Call Alert (SU 1 to SU 5)	P	P	P	P	P
2.3.1.4.2	Test Case 2 - Call Alert (SU 5 to SU 1)	P	P	P	P	P
<b>2.3.2</b>	<b>Radio Check</b>					
2.3.2.4.1	Test Case 1 - Radio Check (SU 1 to SU 5)	P	P	P	P	P
2.3.2.4.2	Test Case 2 - Radio Check (SU 5 to SU 1)	P	P	P	P	P
<b>2.3.3</b>	<b>Message Update</b>					
2.3.3.4.1	Test Case 1 - Message Update (SU 1 to SU 5)	P	P	P	P	P
2.3.3.4.2	Test Case 2 - Message Update (SU 5 to SU 1)	P	P	P	P	P
<b>2.3.4</b>	<b>Status Update</b>					
2.3.4.4.1	Test Case 1 - Status Update (SU 1 to SU 5)	P	P	P	P	P
2.3.4.4.2	Test Case 2 - Status Update (SU 5 to SU 1)	P	P	P	P	P
<b>2.3.5</b>	<b>Status Query</b>					
2.3.5.4.1	Test Case 1 - Status Query (SU 1 to SU 5)	P	P	P	P	P

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

Test Case	Description	DEF3500P7	CWX7300P	AV100P	TA3000M	FS2000P
2.3.5.4.2	Test Case 2 - Status Query (SU 5 to SU 1)	P	P	P	P	P
<b>2.3.6</b>	<b>Radio Unit Monitor</b>					
2.3.6.4.1	Test Case 1 - Radio Unit Monitor Initiated by SU 1 - Group Call	P	P	P	P	P
2.3.6.4.2	Test Case 2 - Radio Unit Monitor Initiated by SU 5 - Group Call	P	P	P	P	P
2.3.6.4.3	Test Case 3 - Radio Unit Monitor Initiated by SU 1 - Unit-to-Unit Call	P	P	P	P	P
2.3.6.4.4	Test Case 4 - Radio Unit Monitor Initiated by SU 5 - Unit-to-Unit Call	P	P	P	P	P

### INTEROPERABILITY TESTING (700 MHZ, 800 MHZ) - CONVENTIONAL: REPEAT MODE (SU-TO-FNE-TO-SU)

Test Identification	Product
P25-CAB-CAI_TEST_REQ - MONTH YEAR, Section 2.1.3.2 - Project 25 Phase 1 Common Air Interface Conventional Repeat Mode Subscriber Unit Interoperability	SUBSCRIBER PRODUCT NAME HERE

Product	Detailed Test Report Identification
Wokytoky SkyNet SN100R Repeater	DTR-P25CAP081003-IC66129
AirTalky AT100R Repeater	DTR-P25CAP081003-IC48129
Speak Systems SS4R Repeater	DTR-P25CAP081003-IC58129
Wokytoky DEF3500P78 Portable	DTR-P25CAP081003-IC32430
ClearWaivier CWX7300P Portable	DTR-P25CAP081003-IC55430
AirVine AV100P Portable	DTR-P25CAP081003-IC66430
TalkAbout TA3000M Mobile	DTR-P25CAP081003-IC77430
Frank Systems FS2000P Portable	DTR-P25CAP081003-IC88430

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

Test Case	Description	SN100R	AT100R	SS4R	DEF3500P78	CWX7300P	AV100P	TA3000M	FS2000P
<b>2.4.1</b>	<b>Matching NAC Operation and SU Unaddressed Voice Call</b>								
2.4.1.4.1	Test Case 1 – Matching NAC operation – Unaddressed Voice Call	P	P	P	P	P	P	P	P
<b>2.4.2</b>	<b>Matching NAC Operation – SU Routine Group Call Mode</b>								
2.4.2.4.1	Test Case 1 – Matching NAC – SU Routine Group Call Mode	P	P	P	P	P	P	P	P
<b>2.4.3</b>	<b>Transmit NAC Independent of Receive NAC – SU Unaddressed Voice Call</b>								
2.4.3.4.1	Test Case 1 – Independent NAC Operation – SU Unaddressed Voice Call	P	P	P	P	P	P	P	P
<b>2.4.4</b>	<b>Transmit NAC Independent of Receive NAC – SU Routine Group Call</b>								
2.4.4.4.1	Test Case 1 – Independent NAC Operation – SU Routine Group Call	P	P	P	P	P	P	P	P
<b>2.4.5</b>	<b>Any NAC (\$F7F) Operation – SU Unaddressed Voice Call</b>								
2.4.5.4.1	Test Case 1 – NAC \$F7F Operation – SU Unaddressed Voice Call	P	P	P	P	P	P	P	P
<b>2.4.6</b>	<b>Any NAC (\$F7F) Operation – SU Routine Group Call</b>								
2.4.6.4.1	Test Case 1 – NAC \$F7F Operation – SU Routine Group Call	P	P	P	P	P	P	P	P
<b>2.4.7</b>	<b>Any NAC (\$F7F) Operation with Fixed Transmit NAC – SU Group Call</b>								P

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

Test Case	Description	SN100R	AT100R	SS4R	DEF3500P78	CWX7300P	AV100P	TA3000M	FS2000P
2.4.7.4.1	Test Case 1 – NAC \$F7F Operation – SU Group Call	P	P	P	P	P	P	P	
<b>2.4.8</b>	<b>Emergency Call</b>								P
2.4.8.4.1	Test Case 1 – Emergency Call	P	P	P	P	P	P	P	P
<b>2.4.9</b>	<b>Monitor Mode – SU Group Call</b>								
2.4.9.4.1	Test Case 1 – Monitor Mode – Receiving Group Call	P	P	P	P	P	P	P	P
<b>2.4.10</b>	<b>Unit-to-Unit Voice Call</b>								
2.4.10.4.1	Test Case 1 – Initiate Unit-to-Unit Call from SU 1	P	P	P	P	P	P	P	P
2.4.10.4.2	Test Case 2 – Initiate Unit-to-Unit Call from SU 5	P	P	P	P	P	P	P	P
2.4.10.4.3	Test Case 3 – Initiate Unit-to-Unit Call from SU 1, No Co-Channel Interference Suppression	P	P	P	P	P	P	P	
2.4.10.4.4	Test Case 4 – Initiate Unit-to-Unit Call from SU 5, No Co-Channel Interference Suppression	P	P	P	P	P	P	P	P
<b>2.4.11</b>	<b>Unit-to-Unit Voice Call Co-Channel Interference Suppression by FNE</b>		P	P					P
2.4.11.4.1	Test Case 1 – Initiate Unit-to-Unit Call from SU 1	P	P	P	P	P	P	P	
2.4.11.4.2	Test Case 2 – Initiate Unit-to-Unit Call from SU 5	P	P	P	P	P	P	P	P
<b>2.4.12</b>	<b>Unit-to-Unit Voice Call – Receiving Units Also in Monitor Mode</b>								P
2.4.12.4.1	Test Case 1 – Initiate Unit-to-Unit Call from SU 1	P	P	P	P	P	P	P	
2.4.12.4.2	Test Case 2 – Initiate Unit-to-Unit Call from SU 5	P	P	P	P	P	P	P	P

Month dd, yyyy

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

Test Case	Description	SN100R	AT100R	SS4R	DEF3500P78	CWX7300P	AV100P	TA3000M	FS2000P
<b>2.4.13</b>	<b>Encryption</b>								P
2.4.13.4.1	Test Case 1 - Call Privacy for Encrypted Call	P	P	P	P	P	P	P	
<b>2.4.14</b>	<b>Accept Any NAC in Normal and Selective Squelch Mode - SU Group Call</b>								P
2.4.14.4.1	Test Case 1 - Receiving group Call with receive NAC \$F7F under Normal and Selective Squelch Modes	P	P	P	P	P	P	P	P
<b>2.5.1</b>	<b>Call Alert</b>								
2.5.1.4.1	Test Case 1 - Initiate Call Alert Request from SU 1	P	P	P	P	P	P	P	P
2.5.1.4.2	Test Case 2 - Initiate Call Alert Request from SU 5	P	P	P	P	P	P	P	P
<b>2.5.2</b>	<b>Radio Check</b>								P
2.5.2.4.1	Test Case 1 - Initiate Radio Check from SU 1	P	P	P	P	P	P	P	P
2.5.2.4.2	Test Case 2 - Initiate Radio Check from SU 5	P	P	P	P	P	P	P	
<b>2.5.3</b>	<b>Message Update</b>								
2.5.3.4.1	Test Case 1 - Message Update Initiated by SU 1	P	P	P	P	P	P	P	
2.5.3.4.2	Test Case 2 - Message Update Initiated by SU 5	P	P	P	P	P	P	P	
2.5.3.4.3	Test Case 3 - SU 1 to Group Message Update	P	P	P	P	P	P	P	
2.5.3.4.4	Test Case 4 - SU 5 to Group Message Update	P	P	P	P	P	P	P	
<b>2.5.4</b>	<b>Status Update</b>								

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

Test Case	Description	SN100R	AT100R	SS4R	DEF3500P78	CWX7300P	AV100P	TA3000M	FS2000P
2.5.4.4.1	Test Case 1 – Status Update Initiated by SU 1	P	P	P	P	P	P	P	
2.5.4.4.2	Test Case 2 – Status Update Initiated by SU 5	P	P	P	P	P	P	P	
2.5.4.4.3	Test Case 3 – SU to Talk Group Status Update Initiated by SU 1	P	P	P	P	P	P	P	
2.5.4.4.4	Test Case 4 – SU to Talk Group Status Update Initiated by SU 5	P	P	P	P	P	P	P	
<b>2.5.5</b>	<b>Status Query</b>								
2.5.5.4.1	Test Case 1 – Status Query Initiated by SU 1	P	P	P	P	P	P	P	
2.5.5.4.2	Test Case 2 – Status Query Initiated by SU 5	P	P	P	P	P	P	P	
<b>2.5.6</b>	<b>Radio Unit Monitor</b>								
2.5.6.4.1	Test Case 1 – Radio Unit Monitor Initiated by SU 1 – Group Call	P	P	P	P	P	P	P	
2.5.6.4.2	Test Case 2 – Radio Unit Monitor Initiated by SU 5 – Group Call	P	P	P	P	P	P	P	
2.5.6.4.3	Test Case 3 – Radio Unit Monitor Initiated by SU 1 – Unit-to-Unit Call	P	P	P	P	P	P	P	
2.5.6.4.4	Test Case 4 – Radio Unit Monitor Initiated by SU 5 – Unit-to-Unit Call	P	P	P	P	P	P	P	

**INTEROPERABILITY TESTING (700 MHZ, 800 MHZ) – CONVENTIONAL FNE INCLUDES DISPATCH AND OTHER MONITORING CONSOLES (REPEAT MODE (SU-TO-FNE-TO-SU) OR DIRECT MODE)**

Test Identification	Product
P25-CAB-CAI_TEST_REQ – MONTH YEAR, Section 2.1.3.2 – Project 25 Phase 1 Common Air Interface Conventional Repeat Mode Subscriber Unit Interoperability	SUBSCRIBER PRODUCT NAME HERE

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

Product	Detailed Test Report Identification
AirTalky AT10C Console	DTR-P25CAP081003-ICON45
Wokytoky SkyNet Repeater	DTR-P25CAP081003-IC66129
AirTalky AT100R Repeater	DTR-P25CAP081003-IC48129
Speak Systems SS4R Repeater	DTR-P25CAP081003-IC58129
Wokytoky DEF3500P78 Portable	DTR-P25CAP081003-IC32430
ClearWaivier CWX7300P Portable	DTR-P25CAP081003-IC55430
AirVine AV100P Portable	DTR-P25CAP081003-IC66430
TalkAbout TA3000M Mobile	DTR-P25CAP081003-IC77430

Test Case	Description	AT10C	SN100R	AT100R	SS4R	DEF3500P78	CWX7300P	TA3000M
<b>2.6.1</b>	<b>Unaddressed Voice Call</b>							
2.6.1.4.1	Test Case 1 - Unaddressed Voice Call	P	P	P	P	P	P	P
<b>2.6.2</b>	<b>Routine Group Call</b>							
2.6.2.4.1	Test Case 1 - Routine Group Call	P	P	P	P	P	P	P
<b>2.6.3</b>	<b>Emergency Call</b>							
2.6.3.4.1	Test Case 1 - Emergency Call from SU	P	P	P	P	P	P	P
2.6.3.4.2	Test Case 2 - Emergency Call from DMC	P	P	P	P	P	P	P
<b>2.6.4</b>	<b>All Call (System-Wide Call)</b>							
2.6.4.4.1	Initiate System-Wide Call to Collection of Talk Groups	P	P	P	P	P	P	P
<b>2.6.5</b>	<b>Unit-to-Unit Voice Call</b>							
2.6.5.4.1	Test Case 1 - Initiate Unit-to-Unit Call from DMC	P	P	P	P	P	P	P
2.6.5.4.2	Test Case 2 - Initiate Unit-to-Unit Call from SU 1	P	P	P	P	P	P	P
<b>2.6.6</b>	<b>Encryption</b>							



## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

Test Case	Description	AT10C	SN100R	AT100R	SS4R	DEF3500P78	CWX7300P	TA3000M
2.6.6.4.1	Test Case 1 - Call Privacy for Encrypted Call	P	P	P	P	P	P	P
<b>2.7.1</b>	<b>Emergency Alarm to Dispatch and/or other Monitoring Console</b>							
2.7.1.4.1	Test Case 1 - Emergency Alarm	P	P	P	P	P	P	P
<b>2.7.2</b>	<b>Call Alert</b>							
2.7.2.4.1	Test Case 1 - Initiate Call Alert Request from DMC	P	P	P	P	P	P	P
2.7.2.4.2	Test Case 2 - Initiate Call Alert Request from SU 1	P	P	P	P	P	P	P
<b>2.7.3</b>	<b>Radio Check</b>							
2.7.3.4.1	Test Case 1 - Initiate Radio Check from DMC	P	P	P	P	P	P	P
<b>2.7.4</b>	<b>Radio Unit Inhibit</b>							
2.7.4.4.1	Test Case 1 - Radio Unit Inhibit from DMC	P	P	P	P	P	P	P
<b>2.7.5</b>	<b>Radio Unit Uninhibit</b>							
2.7.5.4.1	Test Case 1 - Radio Unit Uninhibit from DMC	P	P	P	P	P	P	P
<b>2.7.6</b>	<b>Message Update</b>							
2.7.6.4.1	Test Case 1 - Message Update from DMC	P	P	P	P	P	P	P
2.7.6.4.2	Test Case 2 - DMC to Group Message Update	P	P	P	P	P	P	P
2.7.6.4.3	Test Case 3 - SU 1 to DMC Message Update	P	P	P	P	P	P	P
2.7.6.4.4	Test Case 4 - SU 1 to Group Message Update	P	P	P	P	P	P	P
<b>2.7.7</b>	<b>Status Update</b>							

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

Test Case	Description	AT10C	SN100R	AT100R	SS4R	DEF3500P78	CWX7300P	TA3000M
2.7.7.4.1	Test Case 1 - Status Update from SU 1 to DMC	P	P	P	P	P	P	P
2.7.7.4.2	Test Case 2 - Talk Group Status Update Initiated by SU 1	P	P	P	P	P	P	P
<b>2.7.8</b>	<b>Status Query</b>							
2.7.8.4.1	Test Case 1 - Status Query Initiated by DMC	P	P	P	P	P	P	P
<b>2.7.9</b>	<b>Radio Unit Monitor</b>							
2.7.9.4.1	Test Case 1 - Radio Unit Monitor Initiated by DMC - Group Call	P	P	P	P	P	P	P
2.7.9.4.2	Test Case 2 - Radio Unit Monitor Initiated by DMC - Unit-to-Unit Call	P	P	P	P	P	P	P

### INTEROPERABILITY TESTING (700 MHZ, 800 MHZ) - TRUNKED

Test Identification	Product
P25-CAB-CAI_TEST_REQ - MONTH YEAR, Section 2.1.3.3 - Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Interoperability	SUBSCRIBER PRODUCT NAME HERE

Product	Detailed Test Report Identification
Wokytoky SkyNet SN2000T Trunked Base Station	DTR-P25CAP081003-IC55120
AirTalky AT1000T Trunked Base Station	DTR-P25CAP081003-IC33430
Speak Systems SS4T Trunked Base Station	DTR-P25CAP081003-IC44430
AirVine AV100P Portable	DTR-P25CAP081002-IC66430
TalkAbout TA3000M Mobile	DTR-P25CAP081002-IC77430

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

Test Case	Description	SN2000T	AT1000T	SS4T	AV100P	TA3000M
<b>2.2.1</b>	<b>Full Registration</b>					
2.2.1.4.1	Test Case 1 – Valid Registration	P	P	P	P	P
2.2.1.4.2	Test Case 2 – Denied or Refused Registration	P	P	P	P	P
2.2.1.4.3	Test Case 3 – Unverified Registration	P	P	P	P	P
<b>2.2.2</b>	<b>Group Voice Call</b>					
2.2.2.4.1	Test Case 1 – Group Call Granted	P	P	P	P	P
2.2.2.4.2	Test Case 2 – Group Call Denied	P	P	P	P	P
2.2.2.4.3	Test Case 3 – Group Call Request Queued	P	P	P	P	P
<b>2.2.3</b>	<b>Unit-to-Unit Voice Call</b>					
2.2.3.4.1	Test Case 1 – Unit-to-Unit Call with Target Availability Check	P	P	P	P	P
2.2.3.4.2	Unit-to-Unit Call with Target Availability Test Case 2 – Check Denied by Target	P	P	P	P	P
2.2.3.4.3	Test Case 3 – Unit-to-Unit Call Queued with Target Availability Check – Traffic Channel Assignment After Target Availability Check	P	P	P	P	P
2.2.3.4.4	Test Case 4 – Unit-to-Unit Call Queued with Target Availability Check – Traffic Channel Assignment Before Target Availability Check	N/A	N/A	N/A	N/A	N/A
2.2.3.4.5	Test Case 5 – Unit-to-Unit Call without Target Availability Check	N/A	N/A	N/A	N/A	N/A
2.2.3.4.6	Test Case 6 – Unit-to-Unit Call Queued without Target Availability Check	P	P	P	P	P
2.2.3.4.7	Test Case 7 – Unit-to-Unit Call Denied	P	P	P	P	P
<b>2.2.4</b>	<b>Broadcast Voice Call</b>					

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

Test Case	Description	SN2000T	AT1000T	SS4T	AV100P	TA3000M
2.2.4.4.1	Test Case 1 – Broadcast Voice Call	P	P	P	P	P
<b>2.2.5</b>	<b>Affiliation</b>					
2.2.5.4.1	Test Case 1 – Radio Permitted to Affiliate with New Group	P	P	P	P	P
2.2.5.4.2	Test Case 2 – Radio Denied Affiliation to New Group	P	P	P	P	P
<b>2.2.6</b>	<b>Announcement Group Call</b>					
2.2.6.4.1	Test Case 1 – Collection of Talk Groups Receive Call	P	P	P	P	P
<b>2.2.7</b>	<b>Emergency Alarm</b>					
2.2.7.4.1	Test Case 1 – Emergency Alarm <sup>5</sup>	P	P	P	P	P
<b>2.2.8</b>	<b>Emergency Group Call</b>					
2.2.8.4.1	Test Case 1 – Emergency Call <sup>5</sup>	P	P	P	P	P
<b>2.2.10</b>	<b>Encryption</b>					
2.2.10.4.1	Test Case 1 – Call Privacy for Encrypted Call <sup>5</sup>	P	P	P	P	P
<b>2.2.11</b>	<b>Intra-Location Registration Area Roaming</b>					
2.2.11.4.1	Test Case 1 – Idle Radio	P	P	P	P	P

#### MODEL CLASS DEFINITIONS – DEVICE UNDER TEST

##### Model Class: Wokytoky ABC Subscriber

Model Class	Sub-Class	Installed Options
ABC Subscriber	ABC2000M Mobile	See Sub-Class for ABC2000M
ABC Subscriber	ABC2500P Portable	See Sub-Class for ABC2500P

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

#### Model Sub-Class: Wokytoky ABC2000MB, ABC2000MU, ABC2000MV, ABC2000M78 Mobile Subscriber

Product Name, Definition, Firmware	Installed Options
ABC2000MB Multiband Mobile Firmware: R1 thru R4	Options: Trunking, Encryption
ABC2000MU UHF Mobile Firmware: R1 thru R4	Options: Trunking, Encryption
ABC2000MV VHF Mobile Firmware: R1 thru R4	Options: Trunking, Encryption
ABC2000M78 700/800 MHz Mobile Firmware: R1 thru R4	Options: Trunking, Encryption

#### Model Sub-Class: Wokytoky ABC2500PMB, ABC2500PU, ABC2500PV, ABC2500P78 Portable Subscriber

Product Name, Definition, Firmware	Installed Options
ABC2500PMB Multiband Portable Firmware: R1 thru R4	Options: Trunking, Encryption
ABC2500PU UHF Portable Firmware: R1 thru R4	Options: Trunking, Encryption
ABC2500PV VHF Portable Firmware: R1 thru R4	Options: Trunking, Encryption
ABC2500P78 700/800 MHz Portable Firmware: R1 thru R4	Options: Trunking, Encryption

#### MODEL CLASS DEFINITIONS - OTHER DEVICES TESTED FOR INTEROPERABILITY

Other devices tested with PRODUCT NAME HERE.

#### Model Class: Wokytoky DEF Subscriber

Model Class	Sub-Class	Installed Options
DEF Subscriber	DEF3000M Mobile	See Sub-Class for DEF3000M
DEF Subscriber	DEF3500P Portable	See Sub-Class for DEF3500P

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

#### Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

#### Model Sub-Class: Wokytoky DEF3000MMB, DEF3000MU, DEF3000MV, DEF3000M78 Mobile Subscriber

Product Name, Definition, Firmware	Installed Options
DEF3000MMB Multiband Mobile Firmware: R1 thru R4	Trunking, Encryption
DEF3000MU UHF Mobile Firmware: R1 thru R4	Trunking, Encryption
DEF3000MV VHF Mobile Firmware: R1 thru R4	Options: Trunking, Encryption
DEF3000M78 700/800 MHz Mobile Firmware: R1 thru R4	Options: Trunking, Encryption

#### Model Sub-Class: Wokytoky DEF3500PMB, DEF3500PU, DEF3500PV, DEF3500P78 Portable Subscriber

Product Name, Definition, Firmware	Installed Options
DEF3500PMB Multiband Mobile Firmware: R1 thru R4	Trunking, Encryption
DEF3500PU UHF Mobile Firmware: R1 thru R4	Trunking, Encryption
DEF3500PV VHF Mobile Firmware: R1 thru R4	Options: Trunking, Encryption
DEF3500P78 700/800 MHz Mobile Firmware: R1 thru R4	Options: Trunking, Encryption

#### Model Sub-Class: Wokytoky DEF3500PMB Multiband 700/800 MHz, UHF, VHF Portable Subscriber

Product Name, Definition, Firmware	Installed Options
DEF3500PFB Multiband Portable Firmware: R1 thru R4	Trunking, Encryption

#### Model Class: Wokytoky SkyNet Base Station

Product Name	Installed Options
Wokytoky SkyNet Trunked Base Station	Release 5.10
Wokytoky SkyNet Trunked Base Station	Release 5.11

## Project 25 Compliance Assessment Program

### SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

Product Name	Installed Options
Wokytoky SkyNet Trunked Base Station	Release 5.12

#### REPORT KEY

Notation	Test Case Result Definition
---	No Test Performed
N/A	Test Does Not Apply to the Test Object
P (Pass)	Test Object Meets Requirements
F (Fail)	Test Object Does Not Meet Requirements
I (Inconclusive)	Test Object is Not Conclusive

Comments
N1: Add information here for a "Note".
N2: Add information here for a second "Note".
N/A1: Add information here for a "Not Applicable" test.
N/A2: Add information here for a second "Not Applicable" test.
P1: Add information here for a "Pass" verdict that requires elaboration.
P2: Add information here for a second "Pass" verdict that requires elaboration.
I1: Add information here for a "Inconclusive" verdict that requires elaboration.
F1: Add information here for a "Fail" verdict that requires elaboration.

#### DISCLAIMER

The information contained herein has been provided by the supplier of the product with permission to make the information publicly available. The U.S. Department of Homeland security (DHS) is making this information available as a public service; however, DHS IS PROVIDING THE INFORMATION "AS IS." DHS MAKES NO EXPRESS OR IMPLIED WARRANTIES AND SPECIFICALLY, DHS MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, REGARDING THE ACCURACY OR USE OF THIS INFORMATION. Reference to any specific commercial products, processes, or services by trade name, trademark, supplier, or otherwise does not constitute an endorsement by or a recommendation from DHS. Dates in the following Burden Statement have no expiration bearing on the complying product's formal declaration.

## **Project 25 Compliance Assessment Program**

SUMMARY TEST REPORT (STR)

Product Name

STR- SUPPLIER\_NAME\_ABBREVIATION-PRODUCT\_NAME\_ABBREVIATION-MMDDYYYY

### **BURDEN STATEMENT**

**OMB NO:** 1640-0015

**EXPIRATION DATE:** 04/30/2016

An agency may not conduct or sponsor information collection and a person is not required to respond to this information collection unless it displays a current valid Office of Management and Budget control number and expiration date. The control number for this collection is 1640-0015 and this form will expire on 04/30/2016. This collection is voluntary. The estimated average time to complete this form is 2 hours per respondent. If you have any comments regarding the burden estimate, you can write to the U.S. Department of Homeland Security, Science and Technology Directorate, Washington, DC 20528.

DHS FORM 10056 - June 2009