

Prüfbericht-Nr.: <i>Test report no.:</i>	50289118 008	Auftrags-Nr.: <i>Order no.:</i>	168295761	Seite 1 von 16 Page 1 of 16
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2020-12-21	
Auftraggeber: <i>Client:</i>	Telit Communications S.p.A., Viale Stazione di Prosecco 5/b, 34010, Trieste, Italy			
Prüfgegenstand: <i>Test item:</i>	Data Terminal Module			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	ME910G1-W1			
Auftrags-Inhalt: <i>Order content:</i>	Test Report			
Prüfgrundlage: <i>Test specification:</i>	47 CFR FCC Part 2.1091			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2020-12-21	Refer to Photo Documentation		
Prüfmuster-Nr.: <i>Test sample no.:</i>	A002940888-001			
Prüfzeitraum: <i>Testing period:</i>	2020-12-23 – 2021-02-04			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von: <i>tested by:</i>	 Andy Yan		genehmigt von: <i>authorized by:</i>	 Sam Lin
Datum: <i>Date:</i>	2021-02-05		Ausstellungsdatum: <i>Issue date:</i>	2021-02-05
Stellung / Position:	Sachverständige(r)/Expert		Stellung / Position:	Sachverständige(r)/Expert
Sonstiges / Other:	FCC ID: RI7ME910G1W1 Class II permissive change for add a new frequency range. This changes are performed by software upgarde and donot require any hardware changes. These changes do not degrade the characteristics of Radio of other operation bands reported by the manufacturer.			
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>			
* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend N/A = nicht anwendbar	4 = ausreichend N/T = nicht getestet
* Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory N/A = not applicable	4 = sufficient N/T = not tested
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

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TEST SUMMARY

5.1.1 RF EXPOSURE COMPLIANCE

RESULT: Pass

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1. General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: TEST RESULTS OF TRANSMITTER RF OUTPUT POWER

Appendix B: PHOTOGRAPHS OF THE TEST SET-UP

1.2 List of Document Change

No.	Report No.	Description
1	50289118 003	First release.
2	50289118 006	Firmware upgrade, These changes do not degrade the characteristics reported by the manufacturer. All datas were derived from the original report 50289118 001.
3	50289118 008	C2PC for add private network (787-788/757-758 MHz) via software change, no changes on other operation bands. This report is only for range 787-788 MHz, all datas of the other operation bands refer to the previous report 50289118 006 and 50289118 003.

2. Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.
(FCC Registration No.: 694916 & IC Registration Number: 25069)

Address: No. 362, Huanguan Road Middle, Longhua District, Shenzhen 518110, P.R. China

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until (YYYY-MM-DD)
Radio Spectrum Test				
Spectrum Analyzer	Rohde&Schwarz	FSV40	101440	2021-08-29
Wideband Radio Communication Tester	Rohde& Schwarz	CMW500	165339	2021-08-29

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table,

Items		Extended Uncertainty
Radio Spectrum	Output Power (dBm)	U=0.5dB, k=2, $\sigma=95\%$

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. facility located at **Error! Reference source not found.** is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3. General Product Information

3.1 Product Function and Intended Use

The EUT is wireless module which supports NB-IoT and eMTC wireless technology.
For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 2: Technical Specification of EUT

Technical Specification	Value
Kind of Equipment:	Data Terminal Module
Type Designation:	ME910G1-W1
FCC ID:	RI7ME910G1W1
Hardware Version:	0.0
Software Version:	M0C.300002 and AT#BNDOPTIONS includes B86 in the response
Type of Equipment:	Single Module
Equipment Class:	PCB
Wireless Technology:	eMTC and NB-IoT
Operating Frequency Range:	eMTC: Band 2/4/5/12/13/25/26/66/85 NB-IoT: Band 2/4/5/12/13/25/26/66/71/85, Private network (787-788/757-758 MHz)
Rated RF Output Power:	20 dBm $\pm$ 2 dB
Power Class:	Class 5
Type of Modulation:	eMTC: QPSK, 16QAM NB-IoT: BPSK, QPSK
Operating Voltage:	DC 3.8V via DC power supply
Antenna Type:	External Antenna
Number of Antenna:	1

Table 3: Marketed Antenna List

Description	Manufacturer	Model	S/N	Rating
LTE Magnetic Antenna	ATEL-CAB	T-AT305	N/A	Frequency Range: 700-960 MHz / 1710-2700 MHz Omnidirectional antenna Gain: 2.14 dBi (Max.) Cable: RG 174mm 2500

3.3 Independent Operation Modes

The basic operation modes are:

- A. Transmitting
 - 1. NB-IoT
 - a. Lowest channel
 - b. Highest channel
 - c. Hopping mode
- B. Receiving
 - 1. NB-IoT
 - a. Lowest channel
 - b. Highest channel
 - c. Hopping mode
- C. Standby
- D. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Bill of Material	- Circuit Diagram
- PCB Layout	- Instruction Manual
- Photo Document	- Rating Label

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5.

4.3 Special Accessories and Auxiliary Equipment

Table 4: List of Accessories and Auxiliary Equipment

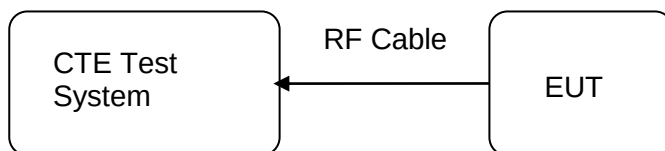
Name	Model	Manufacturer	S/N
Evaluation Kit	EVK2	Telit	N/A

4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Equipment Configuration for Transmitter Measurement



5. Test Results

5.1 Transmitter Requirements & Test Suites

5.1.1 RF Exposure Compliance

RESULT:**Pass**

Test date	:	2020-12-23 to 2021-02-04
Test standard	:	FCC 47 CFR Part 2 Section 2.1091 RSS-102 Issue 5 Section 3.2
Limit	:	Table 1 of FCC 47 CFR Part 1 Section 1.1310 Table 4 of RSS-102 Issue 5 Section 4
Kind of test site	:	Shielded room

TEST SETUP

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	22°C
Relative humidity	:	50%
Atmospheric pressure	:	101.0 kPa

Refer to attached Appendix A for details of data of RF output power spot check.

This device is mobile device, and the applicant declares that the minimum separation distance is greater than 20cm. Therefore MPE measurement or computational modeling should be used to determine compliance.

MPE Calculation is based on the conducted power, and considering maximum power and antenn gain. The following formula is used to MPE evaluation.

$$Pd = \frac{P_{out} * G}{4R^2 \pi}$$

Where

P_d = power density in mW/cm² or W/m²

P_{out} = output power to antenna in mW or W

G_{num} = Antenna gain in numeric

π = 3.14159

R = Distance between observation point and the center of radiator in cm or m

Table 5: Permissive Gain Calculations for FCC

Operating Mode	Band	Maximum Conducted Output Power		E.I.R.P /ERP Limit (dBm)	Allowed Antenna Gain_Power (dBi)	MPE		Allowed Antenna Gain_MPE (dBi)	Permissive Antenna Gain (dBi)
		Measured Power (dBm)	Max. Power incl. tune-up (dBm)			Limit (mW/cm ²)	Limit (dBm)		
NB-IoT	2	20.86	22	33.01	11.0	1.0	37.01	15.01	11.00
	4	20.32	22	30.00	8.0	1.0	37.01	15.01	8.00
	5	21.06	22	40.60	18.6	0.5	34.41	12.41	12.40
	12	20.92	22	36.92	14.9	0.5	33.70	11.70	11.60
	13	21.03	22	36.92	14.9	0.5	34.16	12.16	12.10
	25	20.24	22	33.01	11.0	1.0	37.01	15.01	11.00
	26	20.94	22	40.60	18.6	0.5	34.36	12.36	12.30
	66	20.91	22	30.00	8.0	1.0	37.01	15.01	8.00
	71	20.15	22	36.92	14.9	0.4	33.47	11.47	11.40
	85	20.15	22	36.92	14.9	0.5	33.69	11.69	11.60
eMTC	Private Network	20.74	22	36.92	14.9	0.5	34.16	12.16	12.10
	2	21.15	22	33.01	11.0	1.0	37.01	15.01	11.00
	4	21.16	22	30.00	8.0	1.0	37.01	15.01	8.00
	5	21.21	22	40.60	18.6	0.5	34.41	12.41	12.40
	12	21.17	22	36.92	14.9	0.5	33.70	11.70	11.60
	13	21.31	22	36.92	14.9	0.5	34.16	12.16	12.10
	25	21.19	22	33.01	11.0	1.0	37.01	15.01	11.00
	26	21.56	22	40.60	18.6	0.5	34.36	12.36	12.30
	66	21.08	22	30.00	8.0	1.0	37.01	15.01	8.00
	85	21.18	22	36.92	14.9	0.5	33.69	11.69	11.60

Table 6: Summary of Maximum Permissive Gain

Operating Mode	Band	Permissive Antenna Gain based on Operating Mode (dBi)				Max. Permissive Antenna Gain (dBi)
		NB-IoT		eMTC		
		FCC	ISED*	FCC	ISED*	
NB-IoT/eMTC	2	11.00	11.00	11.00	11.00	11.0
	4	8.00	8.00	8.00	8.00	8.0
	5	12.40	9.10	12.40	9.10	9.1
	12	11.60	8.60	11.60	8.60	8.6
	13	12.10	8.90	12.10	8.90	8.9
	25	11.00	11.00	11.00	11.00	11.0
	26	12.30	9.00	12.30	9.00	9.0
	66	8.00	8.00	8.00	8.00	8.0
	71	11.40	8.40	--	--	8.4
	85	11.60	8.60	11.60	--	8.6
	Private Network	12.10	--	12.10	--	8.9

Note:

1. ISED data refer to TÜV report 50289118 003 for the details of the original datas.

Table 7: Test Results of RF Exposure Calculations based on Specific Antenna for FCC

Operating Mode	Band	Maximum Conducted Output Power (P _{out})		Antenna Gain (dBi)	Numeric Gain G _{num} (dB)	Distance R (cm)	MPE P _d (mW/cm ²)	Limit (mW/cm ²)	Verdict
		dBm	mW						
NB-IoT	2	20.86	121.90	2.14	1.64	20	0.040	1.0	Pass
	4	20.32	107.65	2.14	1.64	20	0.035	1.0	Pass
	5	21.06	127.64	2.14	1.64	20	0.042	0.55	Pass
	12	20.92	123.59	2.14	1.64	20	0.040	0.47	Pass
	13	21.03	126.77	2.14	1.64	20	0.041	0.52	Pass
	25	20.24	105.68	2.14	1.64	20	0.034	1.0	Pass
	26	20.94	124.17	2.14	1.64	20	0.040	0.54	Pass
	66	20.91	123.31	2.14	1.64	20	0.040	1.0	Pass
	71	20.15	103.51	2.14	1.64	20	0.034	0.44	Pass
	85	20.15	103.51	2.14	1.64	20	0.034	0.47	Pass
	Private Network	21.15	130.32	2.14	1.64	20	0.042	0.52	Pass
eMTC	2	21.16	130.62	2.14	1.64	20	0.043	1.0	Pass
	4	21.21	132.13	2.14	1.64	20	0.043	1.0	Pass
	5	21.17	130.92	2.14	1.64	20	0.043	0.55	Pass
	12	21.31	135.21	2.14	1.64	20	0.044	0.47	Pass
	13	21.19	131.52	2.14	1.64	20	0.043	0.52	Pass
	25	21.56	143.22	2.14	1.64	20	0.047	1.0	Pass
	26	21.08	128.23	2.14	1.64	20	0.042	0.54	Pass
	66	21.18	131.22	2.14	1.64	20	0.043	1.0	Pass
	85	20.86	121.90	2.14	1.64	20	0.040	0.47	Pass

Table 8: Test Results of RF Exposure Calculations based on Maximum Permissive Gain for FCC

Operating Mode	Band	Maximum Conducted Output Power (P _{out})		Antenna Gain (dBi)	Numeric Gain G _{num} (dB)	Distance R (cm)	MPE P _d (mW/cm ²)	Limit (mW/cm ²)	Verdict
		dBm	mW						
NB-IoT	2	20.86	121.90	11.00	12.59	20	0.305	1.0	Pass
	4	20.32	107.65	8.00	6.31	20	0.135	1.0	Pass
	5	21.06	127.64	12.40	17.38	20	0.442	0.55	Pass
	12	20.92	123.59	11.60	14.45	20	0.356	0.47	Pass
	13	21.03	126.77	12.10	16.22	20	0.409	0.52	Pass
	25	20.24	105.68	11.00	12.59	20	0.265	1.0	Pass
	26	20.94	124.17	12.30	16.98	20	0.420	0.54	Pass
	66	20.91	123.31	8.00	6.31	20	0.155	1.0	Pass
	71	20.15	103.51	11.40	13.80	20	0.284	0.44	Pass
	85	20.15	103.51	11.60	14.45	20	0.298	0.47	Pass
	Private Network	21.15	130.32	12.10	16.22	20	0.327	0.52	Pass
eMTC	2	21.16	130.62	11.00	12.59	20	0.164	1.0	Pass
	4	21.21	132.13	8.00	6.31	20	0.457	1.0	Pass
	5	21.17	130.92	12.40	17.38	20	0.377	0.55	Pass
	12	21.31	135.21	11.60	14.45	20	0.436	0.47	Pass
	13	21.19	131.52	12.10	16.22	20	0.330	0.52	Pass
	25	21.56	143.22	11.00	12.59	20	0.484	1.0	Pass
	26	21.08	128.23	12.30	16.98	20	0.161	0.54	Pass
	66	21.18	131.22	8.00	6.31	20	0.378	1.0	Pass
	85	20.86	121.90	11.60	14.45	20	0.305	0.47	Pass

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===== END OF REPORT =====

APPENDIX A: TEST RESULTS OF TRANSMITTER RF OUTPUT POWER

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Appendix A.1: Test Results of Transmitter RF Output Power, NB-IoT operation

Band	OpMode	SCS	BW	Modu	Channel	Tones	Result (dBm)	Verdict
Band2	Stand-Alone	3.75kHz	NaN	BPSK	18601	1@0	10.74	PASS
Band2	Stand-Alone	3.75kHz	NaN	BPSK	18601	1@47	10.7	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18601	1@0	10.8	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18601	1@47	10.74	PASS
Band2	Stand-Alone	3.75kHz	NaN	BPSK	18900	1@0	20.65	PASS
Band2	Stand-Alone	3.75kHz	NaN	BPSK	18900	1@47	20.64	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18900	1@0	20.65	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18900	1@47	20.62	PASS
Band2	Stand-Alone	3.75kHz	NaN	BPSK	19199	1@0	10.66	PASS
Band2	Stand-Alone	3.75kHz	NaN	BPSK	19199	1@47	10.71	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	19199	1@0	10.77	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	19199	1@47	10.7	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18601	1@0	10.81	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18601	1@11	10.7	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18601	3@3	10.58	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18601	1@0	10.73	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18601	1@11	10.66	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18601	3@3	10.58	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18900	1@0	19.64	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18900	1@11	19.56	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18900	3@3	20.86	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18900	1@0	19.64	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18900	1@11	19.55	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18900	3@3	20.86	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	19199	1@0	10.62	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	19199	1@11	10.55	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	19199	3@3	10.66	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	19199	1@0	10.72	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	19199	1@11	10.62	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	19199	3@3	10.65	PASS
Band4	Stand-Alone	3.75kHz	NaN	BPSK	19951	1@0	11.28	PASS
Band4	Stand-Alone	3.75kHz	NaN	BPSK	19951	1@47	11.23	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	19951	1@0	11.34	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	19951	1@47	11.28	PASS
Band4	Stand-Alone	3.75kHz	NaN	BPSK	20175	1@0	20.31	PASS
Band4	Stand-Alone	3.75kHz	NaN	BPSK	20175	1@47	20.31	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@0	20.32	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@47	20.23	PASS
Band4	Stand-Alone	3.75kHz	NaN	BPSK	20399	1@0	10.83	PASS
Band4	Stand-Alone	3.75kHz	NaN	BPSK	20399	1@47	10.82	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20399	1@0	10.93	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20399	1@47	10.89	PASS
Band4	Stand-Alone	15kHz	NaN	BPSK	19951	1@0	11.28	PASS
Band4	Stand-Alone	15kHz	NaN	BPSK	19951	1@11	11.27	PASS
Band4	Stand-Alone	15kHz	NaN	BPSK	19951	3@3	11.29	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	19951	1@0	11.33	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	19951	1@11	11.27	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	19951	3@3	11.29	PASS
Band4	Stand-Alone	15kHz	NaN	BPSK	20175	1@0	20.3	PASS
Band4	Stand-Alone	15kHz	NaN	BPSK	20175	1@11	20.31	PASS
Band4	Stand-Alone	15kHz	NaN	BPSK	20175	3@3	20.3	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@0	20.24	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@11	20.17	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	3@3	20.24	PASS
Band4	Stand-Alone	15kHz	NaN	BPSK	20399	1@0	10.92	PASS

Band4	Stand-Alone	15kHz	NaN	BPSK	20399	1@11	10.9	PASS
Band4	Stand-Alone	15kHz	NaN	BPSK	20399	3@3	10.85	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20399	1@0	10.93	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20399	1@11	10.87	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20399	3@3	10.85	PASS
Band5	Stand-Alone	3.75kHz	NaN	BPSK	20401	1@0	10.99	PASS
Band5	Stand-Alone	3.75kHz	NaN	BPSK	20401	1@47	10.91	PASS
Band5	Stand-Alone	3.75kHz	NaN	QPSK	20401	1@0	10.93	PASS
Band5	Stand-Alone	3.75kHz	NaN	QPSK	20401	1@47	10.88	PASS
Band5	Stand-Alone	3.75kHz	NaN	BPSK	20525	1@0	20.98	PASS
Band5	Stand-Alone	3.75kHz	NaN	BPSK	20525	1@47	21	PASS
Band5	Stand-Alone	3.75kHz	NaN	QPSK	20525	1@0	21.06	PASS
Band5	Stand-Alone	3.75kHz	NaN	QPSK	20525	1@47	21	PASS
Band5	Stand-Alone	3.75kHz	NaN	BPSK	20649	1@0	10.9	PASS
Band5	Stand-Alone	3.75kHz	NaN	BPSK	20649	1@47	10.8	PASS
Band5	Stand-Alone	3.75kHz	NaN	QPSK	20649	1@0	10.95	PASS
Band5	Stand-Alone	3.75kHz	NaN	QPSK	20649	1@47	10.86	PASS
Band5	Stand-Alone	15kHz	NaN	BPSK	20401	1@0	10.91	PASS
Band5	Stand-Alone	15kHz	NaN	BPSK	20401	1@11	10.84	PASS
Band5	Stand-Alone	15kHz	NaN	BPSK	20401	3@3	10.89	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20401	1@0	10.97	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20401	1@11	10.9	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20401	3@3	10.89	PASS
Band5	Stand-Alone	15kHz	NaN	BPSK	20525	1@0	19.88	PASS
Band5	Stand-Alone	15kHz	NaN	BPSK	20525	1@11	19.82	PASS
Band5	Stand-Alone	15kHz	NaN	BPSK	20525	3@3	21.05	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20525	1@0	20	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20525	1@11	19.93	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20525	3@3	21.04	PASS
Band5	Stand-Alone	15kHz	NaN	BPSK	20649	1@0	10.91	PASS
Band5	Stand-Alone	15kHz	NaN	BPSK	20649	1@11	10.82	PASS
Band5	Stand-Alone	15kHz	NaN	BPSK	20649	3@3	10.79	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20649	1@0	10.98	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20649	1@11	10.88	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20649	3@3	10.8	PASS
Band12	Stand-Alone	3.75kHz	NaN	BPSK	23011	1@0	7.5	PASS
Band12	Stand-Alone	3.75kHz	NaN	BPSK	23011	1@47	7.43	PASS
Band12	Stand-Alone	3.75kHz	NaN	QPSK	23011	1@0	7.52	PASS
Band12	Stand-Alone	3.75kHz	NaN	QPSK	23011	1@47	7.47	PASS
Band12	Stand-Alone	3.75kHz	NaN	BPSK	23095	1@0	20.91	PASS
Band12	Stand-Alone	3.75kHz	NaN	BPSK	23095	1@47	20.89	PASS
Band12	Stand-Alone	3.75kHz	NaN	QPSK	23095	1@0	20.73	PASS
Band12	Stand-Alone	3.75kHz	NaN	QPSK	23095	1@47	20.91	PASS
Band12	Stand-Alone	3.75kHz	NaN	BPSK	23179	1@0	7.25	PASS
Band12	Stand-Alone	3.75kHz	NaN	BPSK	23179	1@47	7.2	PASS
Band12	Stand-Alone	3.75kHz	NaN	QPSK	23179	1@0	7.19	PASS
Band12	Stand-Alone	3.75kHz	NaN	QPSK	23179	1@47	7.12	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23011	1@0	7.39	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23011	1@11	7.35	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23011	3@3	7.24	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23011	1@0	7.35	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23011	1@11	7.28	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23011	3@3	7.24	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23095	1@0	20.92	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23095	1@11	20.9	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23095	3@3	20.78	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23095	1@0	20.86	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23095	1@11	20.9	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23095	3@3	20.91	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23179	1@0	7.14	PASS

Band12	Stand-Alone	15kHz	NaN	BPSK	23179	1@11	7.09	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23179	3@3	7.01	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23179	1@0	7.18	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23179	1@11	7.12	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23179	3@3	7.01	PASS
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23181	1@0	5.44	PASS
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23181	1@47	7.13	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@0	7.21	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@47	7.15	PASS
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23230	1@0	20.95	PASS
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23230	1@47	20.92	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@0	20.94	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@47	20.92	PASS
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23279	1@0	7.23	PASS
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23279	1@47	7.17	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@0	7.28	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@47	7.22	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@0	7.02	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@11	6.92	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	3@3	6.96	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23181	1@0	7.04	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23181	1@11	6.96	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23181	3@3	6.96	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@0	21.03	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@11	20.83	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	3@3	21.01	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23230	1@0	19.93	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23230	1@11	19.85	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23230	3@3	21.02	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@0	7.07	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@11	7.03	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	3@3	7.04	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23279	1@0	7.13	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23279	1@11	7.05	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23279	3@3	7.04	PASS
Band25	Stand-Alone	3.75kHz	NaN	BPSK	26041	1@0	10.73	PASS
Band25	Stand-Alone	3.75kHz	NaN	BPSK	26041	1@47	10.66	PASS
Band25	Stand-Alone	3.75kHz	NaN	QPSK	26041	1@0	10.71	PASS
Band25	Stand-Alone	3.75kHz	NaN	QPSK	26041	1@47	10.66	PASS
Band25	Stand-Alone	3.75kHz	NaN	BPSK	26365	1@0	20.23	PASS
Band25	Stand-Alone	3.75kHz	NaN	BPSK	26365	1@47	20.21	PASS
Band25	Stand-Alone	3.75kHz	NaN	QPSK	26365	1@0	20.17	PASS
Band25	Stand-Alone	3.75kHz	NaN	QPSK	26365	1@47	20.18	PASS
Band25	Stand-Alone	3.75kHz	NaN	BPSK	26689	1@0	10.87	PASS
Band25	Stand-Alone	3.75kHz	NaN	BPSK	26689	1@47	10.83	PASS
Band25	Stand-Alone	3.75kHz	NaN	QPSK	26689	1@0	10.89	PASS
Band25	Stand-Alone	3.75kHz	NaN	QPSK	26689	1@47	10.81	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26041	1@0	10.7	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26041	1@11	10.63	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26041	3@3	10.74	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26041	1@0	10.81	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26041	1@11	10.66	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26041	3@3	10.76	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26365	1@0	19.62	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26365	1@11	19.56	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26365	3@3	20.22	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26365	1@0	19.68	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26365	1@11	19.49	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26365	3@3	20.24	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26689	1@0	10.84	PASS

Band25	Stand-Alone	15kHz	NaN	BPSK	26689	1@11	10.83	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26689	3@3	10.97	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26689	1@0	11.07	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26689	1@11	10.89	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26689	3@3	10.95	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26039	1@0	20.11	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26039	1@47	20.03	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26039	1@0	20.11	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26039	1@47	20.04	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26691	1@0	6.55	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26691	1@47	6.47	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26691	1@0	6.57	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26691	1@47	6.5	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26740	1@0	20.33	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26740	1@47	20.31	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26740	1@0	20.38	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26740	1@47	20.3	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26789	1@0	6.44	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26789	1@47	6.46	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26789	1@0	6.47	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26789	1@47	6.4	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26791	1@0	11.3	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26791	1@47	11.32	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26791	1@0	11.33	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26791	1@47	11.28	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26915	1@0	20.15	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26915	1@47	20.07	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26915	1@0	20.13	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26915	1@47	20.05	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26691	1@0	6.41	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26691	1@11	6.38	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26691	3@3	6.36	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26691	1@0	6.48	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26691	1@11	6.4	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26691	3@3	6.35	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26740	1@0	20.15	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26740	1@11	20.1	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26740	3@3	20.48	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26740	1@0	20.23	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26740	1@11	20.12	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26740	3@3	20.49	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26789	1@0	6.34	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26789	1@11	6.29	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26789	3@3	6.26	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26789	1@0	6.4	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26789	1@11	6.33	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26789	3@3	6.34	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26791	1@0	11.3	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26791	1@11	11.26	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26791	3@3	11.3	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26791	1@0	11.38	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26791	1@11	11.3	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26791	3@3	11.3	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26915	1@0	20.16	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26915	1@11	20.94	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26915	3@3	20.26	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26915	1@0	20.01	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26915	1@11	19.91	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26915	3@3	20.25	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	27039	1@0	11.06	PASS

Band26	Stand-Alone	15kHz	NaN	BPSK	27039	1@11	10.97	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	27039	3@3	10.9	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	27039	1@0	10.99	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	27039	1@11	10.9	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	27039	3@3	10.9	PASS
Band66	Stand-Alone	3.75kHz	NaN	BPSK	131973	1@0	11.04	PASS
Band66	Stand-Alone	3.75kHz	NaN	BPSK	131973	1@47	11	PASS
Band66	Stand-Alone	3.75kHz	NaN	QPSK	131973	1@0	11.03	PASS
Band66	Stand-Alone	3.75kHz	NaN	QPSK	131973	1@47	11.04	PASS
Band66	Stand-Alone	3.75kHz	NaN	BPSK	132322	1@0	20.67	PASS
Band66	Stand-Alone	3.75kHz	NaN	BPSK	132322	1@47	20.67	PASS
Band66	Stand-Alone	3.75kHz	NaN	QPSK	132322	1@0	20.74	PASS
Band66	Stand-Alone	3.75kHz	NaN	QPSK	132322	1@47	20.62	PASS
Band66	Stand-Alone	3.75kHz	NaN	BPSK	132671	1@0	10.77	PASS
Band66	Stand-Alone	3.75kHz	NaN	BPSK	132671	1@47	10.79	PASS
Band66	Stand-Alone	3.75kHz	NaN	QPSK	132671	1@0	10.78	PASS
Band66	Stand-Alone	3.75kHz	NaN	QPSK	132671	1@47	10.74	PASS
Band66	Stand-Alone	15kHz	NaN	BPSK	131973	1@0	11.07	PASS
Band66	Stand-Alone	15kHz	NaN	BPSK	131973	1@11	11.04	PASS
Band66	Stand-Alone	15kHz	NaN	BPSK	131973	3@3	10.99	PASS
Band66	Stand-Alone	15kHz	NaN	QPSK	131973	1@0	11.08	PASS
Band66	Stand-Alone	15kHz	NaN	QPSK	131973	1@11	11.02	PASS
Band66	Stand-Alone	15kHz	NaN	QPSK	131973	3@3	10.99	PASS
Band66	Stand-Alone	15kHz	NaN	BPSK	132322	1@0	20.63	PASS
Band66	Stand-Alone	15kHz	NaN	BPSK	132322	1@11	20.62	PASS
Band66	Stand-Alone	15kHz	NaN	BPSK	132322	3@3	20.9	PASS
Band66	Stand-Alone	15kHz	NaN	QPSK	132322	1@0	20.76	PASS
Band66	Stand-Alone	15kHz	NaN	QPSK	132322	1@11	20.68	PASS
Band66	Stand-Alone	15kHz	NaN	QPSK	132322	3@3	20.91	PASS
Band66	Stand-Alone	15kHz	NaN	BPSK	132671	1@0	10.86	PASS
Band66	Stand-Alone	15kHz	NaN	BPSK	132671	1@11	10.73	PASS
Band66	Stand-Alone	15kHz	NaN	BPSK	132671	3@3	10.97	PASS
Band66	Stand-Alone	15kHz	NaN	QPSK	132671	1@0	10.86	PASS
Band66	Stand-Alone	15kHz	NaN	QPSK	132671	1@11	10.8	PASS
Band66	Stand-Alone	15kHz	NaN	QPSK	132671	3@3	10.98	PASS
Band71	Stand-Alone	3.75kHz	NaN	BPSK	133123	1@0	7.04	PASS
Band71	Stand-Alone	3.75kHz	NaN	BPSK	133123	1@47	6.99	PASS
Band71	Stand-Alone	3.75kHz	NaN	QPSK	133123	1@0	7.1	PASS
Band71	Stand-Alone	3.75kHz	NaN	QPSK	133123	1@47	7.05	PASS
Band71	Stand-Alone	3.75kHz	NaN	BPSK	133297	1@0	21.1	PASS
Band71	Stand-Alone	3.75kHz	NaN	BPSK	133297	1@47	21.04	PASS
Band71	Stand-Alone	3.75kHz	NaN	QPSK	133297	1@0	21.06	PASS
Band71	Stand-Alone	3.75kHz	NaN	QPSK	133297	1@47	21.03	PASS
Band71	Stand-Alone	3.75kHz	NaN	BPSK	133471	1@0	7.37	PASS
Band71	Stand-Alone	3.75kHz	NaN	BPSK	133471	1@47	7.31	PASS
Band71	Stand-Alone	3.75kHz	NaN	QPSK	133471	1@0	7.34	PASS
Band71	Stand-Alone	3.75kHz	NaN	QPSK	133471	1@47	7.29	PASS
Band71	Stand-Alone	15kHz	NaN	BPSK	133123	1@0	6.99	PASS
Band71	Stand-Alone	15kHz	NaN	BPSK	133123	1@11	6.94	PASS
Band71	Stand-Alone	15kHz	NaN	BPSK	133123	3@3	6.81	PASS
Band71	Stand-Alone	15kHz	NaN	QPSK	133123	1@0	6.9	PASS
Band71	Stand-Alone	15kHz	NaN	QPSK	133123	1@11	6.85	PASS
Band71	Stand-Alone	15kHz	NaN	QPSK	133123	3@3	6.81	PASS
Band71	Stand-Alone	15kHz	NaN	BPSK	133297	1@0	21.03	PASS
Band71	Stand-Alone	15kHz	NaN	BPSK	133297	1@11	21.03	PASS
Band71	Stand-Alone	15kHz	NaN	BPSK	133297	3@3	21.04	PASS
Band71	Stand-Alone	15kHz	NaN	QPSK	133297	1@0	21.06	PASS
Band71	Stand-Alone	15kHz	NaN	QPSK	133297	1@11	21.09	PASS
Band71	Stand-Alone	15kHz	NaN	QPSK	133297	3@3	21.05	PASS
Band71	Stand-Alone	15kHz	NaN	BPSK	133471	1@0	7.31	PASS

Band71	Stand-Alone	15kHz	NaN	BPSK	133471	1@11	7.24	PASS
Band71	Stand-Alone	15kHz	NaN	BPSK	133471	3@3	7.13	PASS
Band71	Stand-Alone	15kHz	NaN	QPSK	133471	1@0	7.22	PASS
Band71	Stand-Alone	15kHz	NaN	QPSK	133471	1@11	7.29	PASS
Band71	Stand-Alone	15kHz	NaN	QPSK	133471	3@3	7.13	PASS
Band85	Stand-Alone	3.75kHz	NaN	BPSK	134003	1@0	11.33	PASS
Band85	Stand-Alone	3.75kHz	NaN	BPSK	134003	1@47	11.3	PASS
Band85	Stand-Alone	3.75kHz	NaN	QPSK	134003	1@0	11.38	PASS
Band85	Stand-Alone	3.75kHz	NaN	QPSK	134003	1@47	11.32	PASS
Band85	Stand-Alone	3.75kHz	NaN	BPSK	134092	1@0	21.1	PASS
Band85	Stand-Alone	3.75kHz	NaN	BPSK	134092	1@47	21.11	PASS
Band85	Stand-Alone	3.75kHz	NaN	QPSK	134092	1@0	21.09	PASS
Band85	Stand-Alone	3.75kHz	NaN	QPSK	134092	1@47	21.02	PASS
Band85	Stand-Alone	3.75kHz	NaN	BPSK	134181	1@0	11.16	PASS
Band85	Stand-Alone	3.75kHz	NaN	BPSK	134181	1@47	11.12	PASS
Band85	Stand-Alone	3.75kHz	NaN	QPSK	134181	1@0	11.18	PASS
Band85	Stand-Alone	3.75kHz	NaN	QPSK	134181	1@47	11.11	PASS
Band85	Stand-Alone	15kHz	NaN	BPSK	134003	1@0	11.29	PASS
Band85	Stand-Alone	15kHz	NaN	BPSK	134003	1@11	11.35	PASS
Band85	Stand-Alone	15kHz	NaN	BPSK	134003	3@3	11.04	PASS
Band85	Stand-Alone	15kHz	NaN	QPSK	134003	1@0	11.35	PASS
Band85	Stand-Alone	15kHz	NaN	QPSK	134003	1@11	11.31	PASS
Band85	Stand-Alone	15kHz	NaN	QPSK	134003	3@3	11.14	PASS
Band85	Stand-Alone	15kHz	NaN	BPSK	134092	1@0	21.11	PASS
Band85	Stand-Alone	15kHz	NaN	BPSK	134092	1@11	21.07	PASS
Band85	Stand-Alone	15kHz	NaN	BPSK	134092	3@3	21.09	PASS
Band85	Stand-Alone	15kHz	NaN	QPSK	134092	1@0	21.07	PASS
Band85	Stand-Alone	15kHz	NaN	QPSK	134092	1@11	21.1	PASS
Band85	Stand-Alone	15kHz	NaN	QPSK	134092	3@3	21.09	PASS
Band85	Stand-Alone	15kHz	NaN	BPSK	134181	1@0	11.04	PASS
Band85	Stand-Alone	15kHz	NaN	BPSK	134181	1@11	11.01	PASS
Band85	Stand-Alone	15kHz	NaN	BPSK	134181	3@3	11.01	PASS
Band85	Stand-Alone	15kHz	NaN	QPSK	134181	1@0	11.11	PASS
Band85	Stand-Alone	15kHz	NaN	QPSK	134181	1@11	11.03	PASS
Band85	Stand-Alone	15kHz	NaN	QPSK	134181	3@3	11.02	PASS

Appendix A.2: Test Results of Transmitter RF Output Power, eMTC operation

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dBm)	Verdict
Band2	1.4MHz	18607	QPSK	1	0	Low	20.89	PASS
Band2	1.4MHz	18607	QPSK	6	0	Low	18.97	PASS
Band2	1.4MHz	18607	16QAM	1	0	Low	19.83	PASS
Band2	1.4MHz	18607	16QAM	6	0	Low	18.73	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	20.92	PASS
Band2	1.4MHz	18900	QPSK	6	0	Low	18.89	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	19.8	PASS
Band2	1.4MHz	18900	16QAM	6	0	Low	18.81	PASS
Band2	1.4MHz	19193	QPSK	1	5	Low	20.83	PASS
Band2	1.4MHz	19193	QPSK	6	0	Low	18.57	PASS
Band2	1.4MHz	19193	16QAM	1	5	Low	19.77	PASS
Band2	1.4MHz	19193	16QAM	6	0	Low	18.58	PASS
Band2	3MHz	18615	QPSK	1	0	Low	20.87	PASS
Band2	3MHz	18615	QPSK	6	0	Low	18.72	PASS
Band2	3MHz	18615	16QAM	1	0	Low	19.8	PASS
Band2	3MHz	18615	16QAM	6	0	Low	18.72	PASS
Band2	3MHz	18900	QPSK	1	0	Low	20.89	PASS
Band2	3MHz	18900	QPSK	6	0	Low	18.9	PASS
Band2	3MHz	18900	16QAM	1	0	Low	19.75	PASS
Band2	3MHz	18900	16QAM	6	0	Low	18.69	PASS
Band2	3MHz	19185	QPSK	1	5	High	20.61	PASS
Band2	3MHz	19185	QPSK	6	0	High	18.46	PASS
Band2	3MHz	19185	16QAM	1	5	High	19.66	PASS
Band2	3MHz	19185	16QAM	6	0	High	18.47	PASS
Band2	5MHz	18625	QPSK	1	0	Low	20.8	PASS
Band2	5MHz	18625	QPSK	6	0	Low	19.68	PASS
Band2	5MHz	18625	16QAM	1	0	Low	20.82	PASS
Band2	5MHz	18625	16QAM	6	0	Low	19.69	PASS
Band2	5MHz	18900	QPSK	1	0	Low	20.88	PASS
Band2	5MHz	18900	QPSK	6	0	Low	19.82	PASS
Band2	5MHz	18900	16QAM	1	0	Low	20.84	PASS
Band2	5MHz	18900	16QAM	6	0	Low	19.83	PASS
Band2	5MHz	19175	QPSK	1	5	High	20.59	PASS
Band2	5MHz	19175	QPSK	3	3	High	20.63	PASS
Band2	5MHz	19175	16QAM	1	5	High	20.96	PASS
Band2	5MHz	19175	16QAM	3	3	High	20.83	PASS
Band2	10MHz	18650	QPSK	1	0	Low	20.9	PASS
Band2	10MHz	18650	QPSK	5	0	Low	20.84	PASS
Band2	10MHz	18650	16QAM	1	0	Low	21.15	PASS
Band2	10MHz	18650	16QAM	5	0	Low	20.81	PASS
Band2	10MHz	18900	QPSK	1	0	Low	21.05	PASS
Band2	10MHz	18900	QPSK	5	0	Low	20.31	PASS
Band2	10MHz	18900	16QAM	1	0	Low	20.92	PASS
Band2	10MHz	18900	16QAM	5	0	Low	20.44	PASS
Band2	10MHz	19150	QPSK	1	5	High	20.69	PASS
Band2	10MHz	19150	QPSK	5	1	High	20.62	PASS
Band2	10MHz	19150	16QAM	1	5	High	20.34	PASS
Band2	10MHz	19150	16QAM	5	1	High	20.54	PASS
Band2	15MHz	18675	QPSK	1	0	Low	20.74	PASS
Band2	15MHz	18675	QPSK	6	0	Low	20.59	PASS
Band2	15MHz	18675	16QAM	1	0	Low	20.74	PASS
Band2	15MHz	18675	16QAM	6	0	Low	20.68	PASS
Band2	15MHz	18900	QPSK	1	0	Low	20.92	PASS
Band2	15MHz	18900	QPSK	6	0	Low	20.82	PASS
Band2	15MHz	18900	16QAM	1	0	Low	21	PASS

Band2	15MHz	18900	16QAM	6	0	Low	20.87	PASS
Band2	15MHz	19125	QPSK	1	5	High	20.57	PASS
Band2	15MHz	19125	QPSK	6	0	High	20.49	PASS
Band2	15MHz	19125	16QAM	1	5	High	20.47	PASS
Band2	15MHz	19125	16QAM	6	0	High	20.58	PASS
Band2	20MHz	18700	QPSK	1	0	Low	20.76	PASS
Band2	20MHz	18700	QPSK	6	0	Low	20.56	PASS
Band2	20MHz	18700	16QAM	1	0	Low	20.67	PASS
Band2	20MHz	18700	16QAM	6	0	Low	20.74	PASS
Band2	20MHz	18900	QPSK	1	0	Low	21.1	PASS
Band2	20MHz	18900	QPSK	6	0	Low	20.96	PASS
Band2	20MHz	18900	16QAM	1	0	Low	21.06	PASS
Band2	20MHz	18900	16QAM	6	0	Low	20.96	PASS
Band2	20MHz	19100	QPSK	1	5	High	20.58	PASS
Band2	20MHz	19100	QPSK	6	0	High	20.47	PASS
Band2	20MHz	19100	16QAM	1	5	High	20.59	PASS
Band2	20MHz	19100	16QAM	6	0	High	20.56	PASS
Band4	1.4MHz	19957	QPSK	1	0	Low	21.09	PASS
Band4	1.4MHz	19957	QPSK	6	0	Low	19.24	PASS
Band4	1.4MHz	19957	16QAM	1	0	Low	20.26	PASS
Band4	1.4MHz	19957	16QAM	6	0	Low	19.15	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	21.14	PASS
Band4	1.4MHz	20175	QPSK	6	0	Low	19.22	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	20.28	PASS
Band4	1.4MHz	20175	16QAM	6	0	Low	19.13	PASS
Band4	1.4MHz	20393	QPSK	1	5	Low	20.96	PASS
Band4	1.4MHz	20393	QPSK	6	0	Low	18.77	PASS
Band4	1.4MHz	20393	16QAM	1	5	Low	19.8	PASS
Band4	1.4MHz	20393	16QAM	6	0	Low	18.63	PASS
Band4	3MHz	19965	QPSK	1	0	Low	21.12	PASS
Band4	3MHz	19965	QPSK	6	0	Low	19.14	PASS
Band4	3MHz	19965	16QAM	1	0	Low	20.21	PASS
Band4	3MHz	19965	16QAM	6	0	Low	19.15	PASS
Band4	3MHz	20175	QPSK	1	0	Low	21.09	PASS
Band4	3MHz	20175	QPSK	6	0	Low	19.35	PASS
Band4	3MHz	20175	16QAM	1	0	Low	20.25	PASS
Band4	3MHz	20175	16QAM	6	0	Low	19.15	PASS
Band4	3MHz	20385	QPSK	1	5	High	20.86	PASS
Band4	3MHz	20385	QPSK	6	0	High	18.64	PASS
Band4	3MHz	20385	16QAM	1	5	High	19.72	PASS
Band4	3MHz	20385	16QAM	6	0	High	18.65	PASS
Band4	5MHz	19975	QPSK	1	0	Low	21.12	PASS
Band4	5MHz	19975	QPSK	6	0	Low	20.03	PASS
Band4	5MHz	19975	16QAM	1	0	Low	21.09	PASS
Band4	5MHz	19975	16QAM	6	0	Low	20.11	PASS
Band4	5MHz	20175	QPSK	1	0	Low	21.07	PASS
Band4	5MHz	20175	QPSK	6	0	Low	20.25	PASS
Band4	5MHz	20175	16QAM	1	0	Low	21.16	PASS
Band4	5MHz	20175	16QAM	6	0	Low	20.26	PASS
Band4	5MHz	20375	QPSK	1	5	High	20.91	PASS
Band4	5MHz	20375	QPSK	3	3	High	20.66	PASS
Band4	5MHz	20375	16QAM	1	5	High	20.74	PASS
Band4	5MHz	20375	16QAM	3	3	High	21.01	PASS
Band4	10MHz	20000	QPSK	1	0	Low	21.13	PASS
Band4	10MHz	20000	QPSK	5	0	Low	21.09	PASS
Band4	10MHz	20000	16QAM	1	0	Low	21.13	PASS
Band4	10MHz	20000	16QAM	5	0	Low	21.09	PASS
Band4	10MHz	20175	QPSK	1	0	Low	21.07	PASS
Band4	10MHz	20175	QPSK	5	0	Low	20.73	PASS
Band4	10MHz	20175	16QAM	1	0	Low	21.09	PASS

Band4	10MHz	20175	16QAM	5	0	Low	20.83	PASS
Band4	10MHz	20350	QPSK	1	5	High	20.88	PASS
Band4	10MHz	20350	QPSK	5	1	High	20.41	PASS
Band4	10MHz	20350	16QAM	1	5	High	20.66	PASS
Band4	10MHz	20350	16QAM	5	1	High	20.46	PASS
Band4	15MHz	20025	QPSK	1	0	Low	21.11	PASS
Band4	15MHz	20025	QPSK	6	0	Low	21.12	PASS
Band4	15MHz	20025	16QAM	1	0	Low	21.13	PASS
Band4	15MHz	20025	16QAM	6	0	Low	21.12	PASS
Band4	15MHz	20175	QPSK	1	0	Low	21.1	PASS
Band4	15MHz	20175	QPSK	6	0	Low	21.09	PASS
Band4	15MHz	20175	16QAM	1	0	Low	21.11	PASS
Band4	15MHz	20175	16QAM	6	0	Low	21.09	PASS
Band4	15MHz	20325	QPSK	1	5	High	20.67	PASS
Band4	15MHz	20325	QPSK	6	0	High	20.57	PASS
Band4	15MHz	20325	16QAM	1	5	High	20.7	PASS
Band4	15MHz	20325	16QAM	6	0	High	20.76	PASS
Band4	20MHz	20050	QPSK	1	0	Low	21.08	PASS
Band4	20MHz	20050	QPSK	6	0	Low	21.06	PASS
Band4	20MHz	20050	16QAM	1	0	Low	21.07	PASS
Band4	20MHz	20050	16QAM	6	0	Low	21.05	PASS
Band4	20MHz	20175	QPSK	1	0	Low	21.06	PASS
Band4	20MHz	20175	QPSK	6	0	Low	21.07	PASS
Band4	20MHz	20175	16QAM	1	0	Low	21.09	PASS
Band4	20MHz	20175	16QAM	6	0	Low	21.14	PASS
Band4	20MHz	20300	QPSK	1	5	High	20.89	PASS
Band4	20MHz	20300	QPSK	6	0	High	20.57	PASS
Band4	20MHz	20300	16QAM	1	5	High	20.86	PASS
Band4	20MHz	20300	16QAM	6	0	High	20.69	PASS
Band5	1.4MHz	20407	QPSK	1	0	Low	21.14	PASS
Band5	1.4MHz	20407	QPSK	6	0	Low	18.62	PASS
Band5	1.4MHz	20407	16QAM	1	0	Low	19.44	PASS
Band5	1.4MHz	20407	16QAM	6	0	Low	18.63	PASS
Band5	1.4MHz	20525	QPSK	1	0	Low	20.7	PASS
Band5	1.4MHz	20525	QPSK	6	0	Low	19.09	PASS
Band5	1.4MHz	20525	16QAM	1	0	Low	19.97	PASS
Band5	1.4MHz	20525	16QAM	6	0	Low	18.78	PASS
Band5	1.4MHz	20643	QPSK	1	5	Low	21.21	PASS
Band5	1.4MHz	20643	QPSK	6	0	Low	18.69	PASS
Band5	1.4MHz	20643	16QAM	1	5	Low	19.72	PASS
Band5	1.4MHz	20643	16QAM	6	0	Low	18.8	PASS
Band5	3MHz	20415	QPSK	1	0	Low	20.88	PASS
Band5	3MHz	20415	QPSK	6	0	Low	18.56	PASS
Band5	3MHz	20415	16QAM	1	0	Low	19.67	PASS
Band5	3MHz	20415	16QAM	6	0	Low	18.66	PASS
Band5	3MHz	20525	QPSK	1	0	Low	20.91	PASS
Band5	3MHz	20525	QPSK	6	0	Low	18.9	PASS
Band5	3MHz	20525	16QAM	1	0	Low	19.88	PASS
Band5	3MHz	20525	16QAM	6	0	Low	18.69	PASS
Band5	3MHz	20635	QPSK	1	5	High	20.93	PASS
Band5	3MHz	20635	QPSK	6	0	High	18.74	PASS
Band5	3MHz	20635	16QAM	1	5	High	19.76	PASS
Band5	3MHz	20635	16QAM	6	0	High	18.75	PASS
Band5	5MHz	20425	QPSK	1	0	Low	20.67	PASS
Band5	5MHz	20425	QPSK	6	0	Low	19.59	PASS
Band5	5MHz	20425	16QAM	1	0	Low	20.76	PASS
Band5	5MHz	20425	16QAM	6	0	Low	19.7	PASS
Band5	5MHz	20525	QPSK	1	0	Low	20.77	PASS
Band5	5MHz	20525	QPSK	6	0	Low	19.78	PASS
Band5	5MHz	20525	16QAM	1	0	Low	20.78	PASS

Band5	5MHz	20525	16QAM	6	0	Low	19.93	PASS
Band5	5MHz	20625	QPSK	1	5	High	20.71	PASS
Band5	5MHz	20625	QPSK	3	3	High	20.72	PASS
Band5	5MHz	20625	16QAM	1	5	High	20.98	PASS
Band5	5MHz	20625	16QAM	3	3	High	20.97	PASS
Band5	10MHz	20450	QPSK	1	0	Low	20.65	PASS
Band5	10MHz	20450	QPSK	5	0	Low	20.33	PASS
Band5	10MHz	20450	16QAM	1	0	Low	20.8	PASS
Band5	10MHz	20450	16QAM	5	0	Low	20.44	PASS
Band5	10MHz	20525	QPSK	1	0	Low	20.92	PASS
Band5	10MHz	20525	QPSK	5	0	Low	20.26	PASS
Band5	10MHz	20525	16QAM	1	0	Low	20.46	PASS
Band5	10MHz	20525	16QAM	5	0	Low	20.32	PASS
Band5	10MHz	20600	QPSK	1	5	High	20.9	PASS
Band5	10MHz	20600	QPSK	5	1	High	20.09	PASS
Band5	10MHz	20600	16QAM	1	5	High	20.38	PASS
Band5	10MHz	20600	16QAM	5	1	High	20.3	PASS
Band12	1.4MHz	23017	QPSK	1	0	Low	21.17	PASS
Band12	1.4MHz	23017	QPSK	6	0	Low	18.8	PASS
Band12	1.4MHz	23017	16QAM	1	0	Low	19.87	PASS
Band12	1.4MHz	23017	16QAM	6	0	Low	18.91	PASS
Band12	1.4MHz	23095	QPSK	1	0	Low	20.78	PASS
Band12	1.4MHz	23095	QPSK	6	0	Low	18.96	PASS
Band12	1.4MHz	23095	16QAM	1	0	Low	19.86	PASS
Band12	1.4MHz	23095	16QAM	6	0	Low	18.96	PASS
Band12	1.4MHz	23173	QPSK	1	5	Low	21.04	PASS
Band12	1.4MHz	23173	QPSK	6	0	Low	18.87	PASS
Band12	1.4MHz	23173	16QAM	1	5	Low	19.75	PASS
Band12	1.4MHz	23173	16QAM	6	0	Low	18.99	PASS
Band12	3MHz	23025	QPSK	1	0	Low	21.13	PASS
Band12	3MHz	23025	QPSK	6	0	Low	18.85	PASS
Band12	3MHz	23025	16QAM	1	0	Low	19.92	PASS
Band12	3MHz	23025	16QAM	6	0	Low	18.86	PASS
Band12	3MHz	23095	QPSK	1	0	Low	21.13	PASS
Band12	3MHz	23095	QPSK	6	0	Low	18.96	PASS
Band12	3MHz	23095	16QAM	1	0	Low	19.96	PASS
Band12	3MHz	23095	16QAM	6	0	Low	18.9	PASS
Band12	3MHz	23165	QPSK	1	5	High	21.05	PASS
Band12	3MHz	23165	QPSK	6	0	High	18.91	PASS
Band12	3MHz	23165	16QAM	1	5	High	19.95	PASS
Band12	3MHz	23165	16QAM	6	0	High	18.92	PASS
Band12	5MHz	23035	QPSK	1	0	Low	20.85	PASS
Band12	5MHz	23035	QPSK	6	0	Low	19.83	PASS
Band12	5MHz	23035	16QAM	1	0	Low	20.91	PASS
Band12	5MHz	23035	16QAM	6	0	Low	19.97	PASS
Band12	5MHz	23095	QPSK	1	0	Low	20.91	PASS
Band12	5MHz	23095	QPSK	6	0	Low	19.84	PASS
Band12	5MHz	23095	16QAM	1	0	Low	21	PASS
Band12	5MHz	23095	16QAM	6	0	Low	20.04	PASS
Band12	5MHz	23155	QPSK	1	5	High	20.68	PASS
Band12	5MHz	23155	QPSK	3	3	High	20.68	PASS
Band12	5MHz	23155	16QAM	1	5	High	20.7	PASS
Band12	5MHz	23155	16QAM	3	3	High	20.85	PASS
Band12	10MHz	23060	QPSK	1	0	Low	20.86	PASS
Band12	10MHz	23060	QPSK	5	0	Low	20.44	PASS
Band12	10MHz	23060	16QAM	1	0	Low	20.87	PASS
Band12	10MHz	23060	16QAM	5	0	Low	20.55	PASS
Band12	10MHz	23095	QPSK	1	0	Low	21.04	PASS
Band12	10MHz	23095	QPSK	5	0	Low	20.22	PASS
Band12	10MHz	23095	16QAM	1	0	Low	20.68	PASS

Band12	10MHz	23095	16QAM	5	0	Low	20.32	PASS
Band12	10MHz	23130	QPSK	1	5	High	20.83	PASS
Band12	10MHz	23130	QPSK	5	1	High	20.31	PASS
Band12	10MHz	23130	16QAM	1	5	High	20.39	PASS
Band12	10MHz	23130	16QAM	5	1	High	20.43	PASS
Band13	5MHz	23205	QPSK	1	0	Low	21.1	PASS
Band13	5MHz	23205	QPSK	6	0	Low	19.93	PASS
Band13	5MHz	23205	16QAM	1	0	Low	21.31	PASS
Band13	5MHz	23205	16QAM	6	0	Low	20.05	PASS
Band13	5MHz	23230	QPSK	1	0	Low	21.05	PASS
Band13	5MHz	23230	QPSK	6	0	Low	19.9	PASS
Band13	5MHz	23230	16QAM	1	0	Low	21.06	PASS
Band13	5MHz	23230	16QAM	6	0	Low	20.01	PASS
Band13	5MHz	23255	QPSK	1	5	High	20.63	PASS
Band13	5MHz	23255	QPSK	3	3	High	20.34	PASS
Band13	5MHz	23255	16QAM	1	5	High	20.75	PASS
Band13	5MHz	23255	16QAM	3	3	High	20.72	PASS
Band13	10MHz	23230	QPSK	1	0	Low	20.93	PASS
Band13	10MHz	23230	QPSK	1	5	High	20.66	PASS
Band13	10MHz	23230	QPSK	5	0	Low	20.69	PASS
Band13	10MHz	23230	QPSK	5	1	High	20.64	PASS
Band13	10MHz	23230	16QAM	1	0	Low	20.95	PASS
Band13	10MHz	23230	16QAM	1	5	High	20.8	PASS
Band13	10MHz	23230	16QAM	5	0	Low	20.62	PASS
Band13	10MHz	23230	16QAM	5	1	High	20.7	PASS
Band25	1.4MHz	26047	QPSK	1	0	Low	20.78	PASS
Band25	1.4MHz	26047	QPSK	6	0	Low	18.91	PASS
Band25	1.4MHz	26047	16QAM	1	0	Low	19.83	PASS
Band25	1.4MHz	26047	16QAM	6	0	Low	18.82	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	20.77	PASS
Band25	1.4MHz	26365	QPSK	6	0	Low	18.75	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	19.69	PASS
Band25	1.4MHz	26365	16QAM	6	0	Low	18.75	PASS
Band25	1.4MHz	26683	QPSK	1	5	Low	21.07	PASS
Band25	1.4MHz	26683	QPSK	6	0	Low	18.91	PASS
Band25	1.4MHz	26683	16QAM	1	5	Low	19.93	PASS
Band25	1.4MHz	26683	16QAM	6	0	Low	19.16	PASS
Band25	3MHz	26055	QPSK	1	0	Low	20.85	PASS
Band25	3MHz	26055	QPSK	6	0	Low	18.69	PASS
Band25	3MHz	26055	16QAM	1	0	Low	19.78	PASS
Band25	3MHz	26055	16QAM	6	0	Low	18.71	PASS
Band25	3MHz	26365	QPSK	1	0	Low	20.79	PASS
Band25	3MHz	26365	QPSK	6	0	Low	18.69	PASS
Band25	3MHz	26365	16QAM	1	0	Low	19.66	PASS
Band25	3MHz	26365	16QAM	6	0	Low	18.7	PASS
Band25	3MHz	26675	QPSK	1	5	High	20.97	PASS
Band25	3MHz	26675	QPSK	6	0	High	18.92	PASS
Band25	3MHz	26675	16QAM	1	5	High	19.96	PASS
Band25	3MHz	26675	16QAM	6	0	High	19.06	PASS
Band25	5MHz	26065	QPSK	1	0	Low	20.79	PASS
Band25	5MHz	26065	QPSK	6	0	Low	19.62	PASS
Band25	5MHz	26065	16QAM	1	0	Low	20.74	PASS
Band25	5MHz	26065	16QAM	6	0	Low	19.65	PASS
Band25	5MHz	26365	QPSK	1	0	Low	20.75	PASS
Band25	5MHz	26365	QPSK	6	0	Low	19.68	PASS
Band25	5MHz	26365	16QAM	1	0	Low	20.83	PASS
Band25	5MHz	26365	16QAM	6	0	Low	19.8	PASS
Band25	5MHz	26665	QPSK	1	5	High	20.89	PASS
Band25	5MHz	26665	QPSK	3	3	High	20.75	PASS
Band25	5MHz	26665	16QAM	1	5	High	20.81	PASS

Band25	5MHz	26665	16QAM	3	3	High	21.19	PASS
Band25	10MHz	26090	QPSK	1	0	Low	20.7	PASS
Band25	10MHz	26090	QPSK	5	0	Low	20.68	PASS
Band25	10MHz	26090	16QAM	1	0	Low	20.73	PASS
Band25	10MHz	26090	16QAM	5	0	Low	20.79	PASS
Band25	10MHz	26365	QPSK	1	0	Low	20.91	PASS
Band25	10MHz	26365	QPSK	5	0	Low	20.18	PASS
Band25	10MHz	26365	16QAM	1	0	Low	20.78	PASS
Band25	10MHz	26365	16QAM	5	0	Low	20.4	PASS
Band25	10MHz	26640	QPSK	1	5	High	21	PASS
Band25	10MHz	26640	QPSK	5	1	High	20.58	PASS
Band25	10MHz	26640	16QAM	1	5	High	20.68	PASS
Band25	10MHz	26640	16QAM	5	1	High	20.62	PASS
Band25	15MHz	26115	QPSK	1	0	Low	20.75	PASS
Band25	15MHz	26115	QPSK	6	0	Low	20.52	PASS
Band25	15MHz	26115	16QAM	1	0	Low	20.71	PASS
Band25	15MHz	26115	16QAM	6	0	Low	20.63	PASS
Band25	15MHz	26365	QPSK	1	0	Low	20.9	PASS
Band25	15MHz	26365	QPSK	6	0	Low	20.77	PASS
Band25	15MHz	26365	16QAM	1	0	Low	21	PASS
Band25	15MHz	26365	16QAM	6	0	Low	20.86	PASS
Band25	15MHz	26615	QPSK	1	5	High	20.9	PASS
Band25	15MHz	26615	QPSK	6	0	High	20.75	PASS
Band25	15MHz	26615	16QAM	1	5	High	20.89	PASS
Band25	15MHz	26615	16QAM	6	0	High	20.91	PASS
Band25	20MHz	26140	QPSK	1	0	Low	20.75	PASS
Band25	20MHz	26140	QPSK	6	0	Low	20.49	PASS
Band25	20MHz	26140	16QAM	1	0	Low	20.68	PASS
Band25	20MHz	26140	16QAM	6	0	Low	20.61	PASS
Band25	20MHz	26365	QPSK	1	0	Low	20.94	PASS
Band25	20MHz	26365	QPSK	6	0	Low	20.81	PASS
Band25	20MHz	26365	16QAM	1	0	Low	21.01	PASS
Band25	20MHz	26365	16QAM	6	0	Low	20.8	PASS
Band25	20MHz	26590	QPSK	1	5	High	20.89	PASS
Band25	20MHz	26590	QPSK	6	0	High	20.77	PASS
Band25	20MHz	26590	16QAM	1	5	High	20.8	PASS
Band25	20MHz	26590	16QAM	6	0	High	20.78	PASS
Band26	1.4MHz	26697	QPSK	1	0	Low	21.49	PASS
Band26	1.4MHz	26697	QPSK	6	0	Low	18.98	PASS
Band26	1.4MHz	26697	16QAM	1	0	Low	19.86	PASS
Band26	1.4MHz	26697	16QAM	6	0	Low	19.08	PASS
Band26	1.4MHz	26740	QPSK	1	0	Low	20.99	PASS
Band26	1.4MHz	26740	QPSK	6	0	Low	19.25	PASS
Band26	1.4MHz	26740	16QAM	1	0	Low	20.29	PASS
Band26	1.4MHz	26740	16QAM	6	0	Low	19.1	PASS
Band26	1.4MHz	26783	QPSK	1	5	Low	21.35	PASS
Band26	1.4MHz	26783	QPSK	6	0	Low	19.02	PASS
Band26	1.4MHz	26783	16QAM	1	5	Low	19.81	PASS
Band26	1.4MHz	26783	16QAM	6	0	Low	19.23	PASS
Band26	1.4MHz	26797	QPSK	1	0	Low	21.56	PASS
Band26	1.4MHz	26797	QPSK	6	0	Low	19.04	PASS
Band26	1.4MHz	26797	16QAM	1	0	Low	19.95	PASS
Band26	1.4MHz	26797	16QAM	6	0	Low	19.19	PASS
Band26	1.4MHz	26915	QPSK	1	0	Low	21.1	PASS
Band26	1.4MHz	26915	QPSK	6	0	Low	19.31	PASS
Band26	1.4MHz	26915	16QAM	1	0	Low	20.28	PASS
Band26	1.4MHz	26915	16QAM	6	0	Low	19.11	PASS
Band26	1.4MHz	27033	QPSK	1	5	Low	21.38	PASS
Band26	1.4MHz	27033	QPSK	6	0	Low	18.9	PASS
Band26	1.4MHz	27033	16QAM	1	5	Low	19.84	PASS

Band26	1.4MHz	27033	16QAM	6	0	Low	19.02	PASS
Band26	3MHz	26705	QPSK	1	0	Low	21.25	PASS
Band26	3MHz	26705	QPSK	6	0	Low	18.89	PASS
Band26	3MHz	26705	16QAM	1	0	Low	20.03	PASS
Band26	3MHz	26705	16QAM	6	0	Low	19.01	PASS
Band26	3MHz	26740	QPSK	1	0	Low	21.36	PASS
Band26	3MHz	26740	QPSK	6	0	Low	19.18	PASS
Band26	3MHz	26740	16QAM	1	0	Low	20.43	PASS
Band26	3MHz	26740	16QAM	6	0	Low	19.05	PASS
Band26	3MHz	26775	QPSK	1	5	High	21.23	PASS
Band26	3MHz	26775	QPSK	6	0	High	19.24	PASS
Band26	3MHz	26775	16QAM	1	5	High	20.46	PASS
Band26	3MHz	26775	16QAM	6	0	High	19.15	PASS
Band26	3MHz	26805	QPSK	1	0	Low	21.29	PASS
Band26	3MHz	26805	QPSK	6	0	Low	19.28	PASS
Band26	3MHz	26805	16QAM	1	0	Low	20.28	PASS
Band26	3MHz	26805	16QAM	6	0	Low	19.09	PASS
Band26	3MHz	26915	QPSK	1	0	Low	21.17	PASS
Band26	3MHz	26915	QPSK	6	0	Low	19.16	PASS
Band26	3MHz	26915	16QAM	1	0	Low	20.15	PASS
Band26	3MHz	26915	16QAM	6	0	Low	18.98	PASS
Band26	3MHz	27025	QPSK	1	5	High	21.01	PASS
Band26	3MHz	27025	QPSK	6	0	High	18.93	PASS
Band26	3MHz	27025	16QAM	1	5	High	19.86	PASS
Band26	3MHz	27025	16QAM	6	0	High	18.94	PASS
Band26	5MHz	26715	QPSK	1	0	Low	21.2	PASS
Band26	5MHz	26715	QPSK	6	0	Low	20	PASS
Band26	5MHz	26715	16QAM	1	0	Low	21.3	PASS
Band26	5MHz	26715	16QAM	6	0	Low	20.2	PASS
Band26	5MHz	26740	QPSK	1	0	Low	21.22	PASS
Band26	5MHz	26740	QPSK	6	0	Low	20.04	PASS
Band26	5MHz	26740	16QAM	1	0	Low	21.24	PASS
Band26	5MHz	26740	16QAM	6	0	Low	20.09	PASS
Band26	5MHz	26765	QPSK	1	5	High	21.25	PASS
Band26	5MHz	26765	QPSK	3	3	High	20.83	PASS
Band26	5MHz	26765	16QAM	1	5	High	20.68	PASS
Band26	5MHz	26765	16QAM	3	3	High	21.05	PASS
Band26	5MHz	26815	QPSK	1	0	Low	21.26	PASS
Band26	5MHz	26815	QPSK	6	0	Low	20.08	PASS
Band26	5MHz	26815	16QAM	1	0	Low	21.31	PASS
Band26	5MHz	26815	16QAM	6	0	Low	20.27	PASS
Band26	5MHz	26915	QPSK	1	0	Low	21.14	PASS
Band26	5MHz	26915	QPSK	6	0	Low	19.99	PASS
Band26	5MHz	26915	16QAM	1	0	Low	21.15	PASS
Band26	5MHz	26915	16QAM	6	0	Low	20.21	PASS
Band26	5MHz	27015	QPSK	1	5	High	20.9	PASS
Band26	5MHz	27015	QPSK	3	3	High	20.91	PASS
Band26	5MHz	27015	16QAM	1	5	High	21.08	PASS
Band26	5MHz	27015	16QAM	3	3	High	21.06	PASS
Band26	10MHz	26740	QPSK	1	0	Low	21.07	PASS
Band26	10MHz	26740	QPSK	1	5	High	21.05	PASS
Band26	10MHz	26740	QPSK	5	0	Low	20.75	PASS
Band26	10MHz	26740	QPSK	5	1	High	20.91	PASS
Band26	10MHz	26740	16QAM	1	0	Low	21.18	PASS
Band26	10MHz	26740	16QAM	1	5	High	21.21	PASS
Band26	10MHz	26740	16QAM	5	0	Low	20.75	PASS
Band26	10MHz	26740	16QAM	5	1	High	20.91	PASS
Band26	10MHz	26840	QPSK	1	0	Low	21.19	PASS
Band26	10MHz	26840	QPSK	5	0	Low	20.88	PASS
Band26	10MHz	26840	16QAM	1	0	Low	21.33	PASS

Band26	10MHz	26840	16QAM	5	0	Low	20.88	PASS
Band26	10MHz	26915	QPSK	1	0	Low	21.32	PASS
Band26	10MHz	26915	QPSK	5	0	Low	20.54	PASS
Band26	10MHz	26915	16QAM	1	0	Low	20.83	PASS
Band26	10MHz	26915	16QAM	5	0	Low	20.61	PASS
Band26	10MHz	26990	QPSK	1	5	High	21	PASS
Band26	10MHz	26990	QPSK	5	1	High	20.29	PASS
Band26	10MHz	26990	16QAM	1	5	High	20.52	PASS
Band26	10MHz	26990	16QAM	5	1	High	20.37	PASS
Band26	15MHz	26865	QPSK	1	0	Low	21.18	PASS
Band26	15MHz	26865	QPSK	6	0	Low	21.11	PASS
Band26	15MHz	26865	16QAM	1	0	Low	21.37	PASS
Band26	15MHz	26865	16QAM	6	0	Low	21.33	PASS
Band26	15MHz	26915	QPSK	1	0	Low	21.12	PASS
Band26	15MHz	26915	QPSK	6	0	Low	20.98	PASS
Band26	15MHz	26915	16QAM	1	0	Low	21.16	PASS
Band26	15MHz	26915	16QAM	6	0	Low	21.2	PASS
Band26	15MHz	26965	QPSK	1	5	High	20.85	PASS
Band26	15MHz	26965	QPSK	6	0	High	20.98	PASS
Band26	15MHz	26965	16QAM	1	5	High	21.1	PASS
Band26	15MHz	26965	16QAM	6	0	High	21.07	PASS
Band66	1.4MHz	131979	QPSK	1	0	Low	20.93	PASS
Band66	1.4MHz	131979	QPSK	6	0	Low	18.87	PASS
Band66	1.4MHz	131979	16QAM	1	0	Low	19.86	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	18.66	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	20.38	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	18.38	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	19.36	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	18.23	PASS
Band66	1.4MHz	132665	QPSK	1	5	Low	21.08	PASS
Band66	1.4MHz	132665	QPSK	6	0	Low	18.74	PASS
Band66	1.4MHz	132665	16QAM	1	5	Low	19.62	PASS
Band66	1.4MHz	132665	16QAM	6	0	Low	18.85	PASS
Band66	3MHz	131987	QPSK	1	0	Low	20.96	PASS
Band66	3MHz	131987	QPSK	6	0	Low	18.57	PASS
Band66	3MHz	131987	16QAM	1	0	Low	19.81	PASS
Band66	3MHz	131987	16QAM	6	0	Low	18.68	PASS
Band66	3MHz	132322	QPSK	1	0	Low	20.4	PASS
Band66	3MHz	132322	QPSK	6	0	Low	18.36	PASS
Band66	3MHz	132322	16QAM	1	0	Low	19.35	PASS
Band66	3MHz	132322	16QAM	6	0	Low	18.18	PASS
Band66	3MHz	132657	QPSK	1	5	High	20.88	PASS
Band66	3MHz	132657	QPSK	6	0	High	18.87	PASS
Band66	3MHz	132657	16QAM	1	5	High	19.73	PASS
Band66	3MHz	132657	16QAM	6	0	High	18.86	PASS
Band66	5MHz	131997	QPSK	1	0	Low	20.87	PASS
Band66	5MHz	131997	QPSK	6	0	Low	19.74	PASS
Band66	5MHz	131997	16QAM	1	0	Low	20.98	PASS
Band66	5MHz	131997	16QAM	6	0	Low	19.75	PASS
Band66	5MHz	132322	QPSK	1	0	Low	20.45	PASS
Band66	5MHz	132322	QPSK	6	0	Low	19.28	PASS
Band66	5MHz	132322	16QAM	1	0	Low	20.56	PASS
Band66	5MHz	132322	16QAM	6	0	Low	19.42	PASS
Band66	5MHz	132647	QPSK	1	5	High	20.8	PASS
Band66	5MHz	132647	QPSK	3	3	High	20.49	PASS
Band66	5MHz	132647	16QAM	1	5	High	20.66	PASS
Band66	5MHz	132647	16QAM	3	3	High	20.78	PASS
Band66	10MHz	132022	QPSK	1	0	Low	20.87	PASS
Band66	10MHz	132022	QPSK	5	0	Low	20.85	PASS
Band66	10MHz	132022	16QAM	1	0	Low	20.95	PASS

Band66	10MHz	132022	16QAM	5	0	Low	20.84	PASS
Band66	10MHz	132322	QPSK	1	0	Low	20.71	PASS
Band66	10MHz	132322	QPSK	5	0	Low	19.99	PASS
Band66	10MHz	132322	16QAM	1	0	Low	20.56	PASS
Band66	10MHz	132322	16QAM	5	0	Low	20.02	PASS
Band66	10MHz	132622	QPSK	1	5	High	20.69	PASS
Band66	10MHz	132622	QPSK	5	1	High	20.17	PASS
Band66	10MHz	132622	16QAM	1	5	High	20.69	PASS
Band66	10MHz	132622	16QAM	5	1	High	20.25	PASS
Band66	15MHz	132047	QPSK	1	0	Low	20.85	PASS
Band66	15MHz	132047	QPSK	6	0	Low	20.74	PASS
Band66	15MHz	132047	16QAM	1	0	Low	20.99	PASS
Band66	15MHz	132047	16QAM	6	0	Low	20.85	PASS
Band66	15MHz	132322	QPSK	1	0	Low	20.55	PASS
Band66	15MHz	132322	QPSK	6	0	Low	20.49	PASS
Band66	15MHz	132322	16QAM	1	0	Low	20.78	PASS
Band66	15MHz	132322	16QAM	6	0	Low	20.61	PASS
Band66	15MHz	132597	QPSK	1	5	High	20.75	PASS
Band66	15MHz	132597	QPSK	6	0	High	20.86	PASS
Band66	15MHz	132597	16QAM	1	5	High	20.6	PASS
Band66	15MHz	132597	16QAM	6	0	High	20.91	PASS
Band66	20MHz	132072	QPSK	1	0	Low	20.79	PASS
Band66	20MHz	132072	QPSK	6	0	Low	20.74	PASS
Band66	20MHz	132072	16QAM	1	0	Low	20.85	PASS
Band66	20MHz	132072	16QAM	6	0	Low	20.85	PASS
Band66	20MHz	132322	QPSK	1	0	Low	20.66	PASS
Band66	20MHz	132322	QPSK	6	0	Low	20.57	PASS
Band66	20MHz	132322	16QAM	1	0	Low	20.72	PASS
Band66	20MHz	132322	16QAM	6	0	Low	20.58	PASS
Band66	20MHz	132572	QPSK	1	5	High	20.76	PASS
Band66	20MHz	132572	QPSK	6	0	High	20.84	PASS
Band66	20MHz	132572	16QAM	1	5	High	20.61	PASS
Band66	20MHz	132572	16QAM	6	0	High	20.85	PASS
Band85	5MHz	134027	QPSK	1	0	Low	21.02	PASS
Band85	5MHz	134027	QPSK	6	0	Low	19.85	PASS
Band85	5MHz	134027	16QAM	1	0	Low	21.1	PASS
Band85	5MHz	134027	16QAM	6	0	Low	19.96	PASS
Band85	5MHz	134092	QPSK	1	0	Low	21.01	PASS
Band85	5MHz	134092	QPSK	6	0	Low	19.85	PASS
Band85	5MHz	134092	16QAM	1	0	Low	21.18	PASS
Band85	5MHz	134092	16QAM	6	0	Low	20.05	PASS
Band85	5MHz	134157	QPSK	1	5	High	20.87	PASS
Band85	5MHz	134157	QPSK	3	3	High	20.77	PASS
Band85	5MHz	134157	16QAM	1	5	High	20.97	PASS
Band85	5MHz	134157	16QAM	3	3	High	21.03	PASS
Band85	10MHz	134092	QPSK	1	0	Low	20.93	PASS
Band85	10MHz	134092	QPSK	1	5	High	20.89	PASS
Band85	10MHz	134092	QPSK	5	0	Low	20.59	PASS
Band85	10MHz	134092	QPSK	5	1	High	20.68	PASS
Band85	10MHz	134092	16QAM	1	0	Low	21.05	PASS
Band85	10MHz	134092	16QAM	1	5	High	21.06	PASS
Band85	10MHz	134092	16QAM	5	0	Low	20.66	PASS
Band85	10MHz	134092	16QAM	5	1	High	20.68	PASS