



FCC RADIO TEST REPORT

FCC ID : APYHRO00322
Equipment : Mobile Router
Brand Name : SHARP
Applicant : SHARP CORPORATION
1 Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522,
Japan
Manufacturer : SHARP CORPORATION
1 Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522,
Japan
Standard : 47 CFR Part 22(H), 27

The product was received on Sep. 08, 2022, and testing was started from Oct. 09, 2022 and completed on Nov. 06, 2022. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI/TIA-603-E-2016 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.

Approved by: Jordan Hsiao

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



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Photographs of EUT v01



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	2.1046	Conducted Output Power	PASS	-
	22.913(a)(5) 27.50(c)(1)(9)	Effective Radiated Power	PASS	-
	27.50(h)(2)	Equivalent Isotropic Radiated Power		
3.2	22.913(d)	Peak-to-Average Ratio	PASS	-
3.3	2.1049	Occupied Bandwidth	PASS	-
3.4	2.1051 22.917(a) 27.53(g) 27.53(m)(4)	Conducted Band Edge	PASS	-
	2.1051 22.917(a) 27.53(g) 27.53(m)(4)			
3.5	2.1053 22.917(a) 27.53(g) 27.53(m)(4)	Radiated Spurious Emission	PASS	-
3.6	22.355 27.54	Frequency Stability for Temperature & Voltage	PASS	-

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

None

Reviewed by: Ryan Hsiao

Report Producer: Debby Hung



1 General Description

1.1 Information

1.1.1 RF General Information

Items	Description				
	Band	Bandwidth (MHz)	TX Frequency (MHz)	RX Frequency (MHz)	
Operating Frequency	<input checked="" type="checkbox"/>	WCDMA Band V	5	826.4 - 846.6	871.4 - 891.6
	<input checked="" type="checkbox"/>	LTE Band 5	1.4	824.7 - 848.3	869.7 - 893.3
			3	825.5 - 847.5	870.5 - 892.5
			5	826.5 - 846.5	871.5 - 891.5
			10	829.0 - 844.0	874.0 - 889.0
	<input checked="" type="checkbox"/>	LTE Band 12	1.4	699.7 - 715.3	729.7 - 745.3
			3	700.5 - 714.5	730.5 - 744.5
			5	701.5 - 713.5	731.5 - 743.5
			10	704.0 - 711.0	734.0 - 741.0
	<input checked="" type="checkbox"/>	LTE Band 38	5	2572.5 - 2617.5	
			10	2575.0 - 2615.0	
			15	2577.5 - 2612.5	
			20	2580.0 - 2610.0	
	<input checked="" type="checkbox"/>	LTE Band 41	5	2498.5 - 2687.5	
			10	2501 - 2685	
			15	2503.5 - 2682.5	
20			2506 - 2680		
Type of Modulation	WCDMA: BPSK / QPSK HSDPA: BPSK / QPSK HSUPA: BPSK / QPSK LTE: QPSK / 16QAM / 64QAM				

Note: The above information was declared by manufacturer.

1.1.2 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FG262909-02

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
1. LCM power supply changed from LDO to PMIC; 2. BackLight DC-DC convertor and peripheral componemts changed materials, but footprint no changed; 3. SAR chipset peripheral componemts changed to no assembled; 4. Main & MIMO2 antenna diplexer changed material, but footprint no changed; 5. Antenna report changed from V1.4 to V1.5B	Radiated Spurious Emission was evaluated



1.1.3 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	INPAQ	MAIN	FPC/PIFA	I-PEX
2	INPAQ	AUX	FPC/PIFA	I-PEX

Ant.	Port	Gain (dBi)			
		Band 5	Band 12	Band 38	Band 41
1	1	0.86	-0.81	-	-
2	2	-	-	1.69	2.18

Note 1: The EUT has two antennas.

For WWAN function:

Ant. 1 (port 1) and Ant. 2(port 2) could transmit/receive.

1.1.4 EUT Information

Operational Condition	
EUT Power Type	From AC Adapter
EUT Function	<input type="checkbox"/> Base Station <input checked="" type="checkbox"/> Mobile Station
Type of EUT	
<input checked="" type="checkbox"/>	Stand-alone
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device)
	Combined Equipment - Brand Name / Model No.: ...
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems)
	Host System - Brand Name / Model No.: ...
<input type="checkbox"/>	Other:



1.2 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 22(H), 27
- ANSI/TIA-603-E-2016
- KDB 971168 D01 v03r01

1.3 Testing Location

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
<input checked="" type="checkbox"/>	Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)		
		TEL: 886-3-327-3456	FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Johnny Yu	22.1~23.6°C / 51~57%	09/Oct/2022~20/Oct/2022
Radiated	03CH03-HY	Edward Wang	22.1~23.5°C / 50~60%	06/Nov/2022
<input type="checkbox"/>	Wen 33rd. St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)		
		TEL: 886-3-318-0787	FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

Note : The tested sample of the verified test item was received on Nov. 06, 2022.

1.4 Measurement Uncertainty

Test Items	Uncertainty	Remark
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%



2 Test Configuration of Equipment Under Test

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
UE Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	3.8V
FS	Remark	-
TnomVnom	Tnom	20°C
TminVmax	Tmin	-30°C
TminVmin	Tmax	50°C
TmaxVmax	Vnom	3.8V
TmaxVmin	Vmin	3.23V
-	Vmax	4.37V

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Conducted Output Power, Peak-to-Average Ratio, Occupied Bandwidth, Conducted Band Edge, Conducted Spurious Emission, Frequency Stability
Test Condition	Conducted measurement at transmit chains
1	EUT with WCDMA Band V Link
2	EUT with LTE Band 5 Link
3	EUT with LTE Band 12 Link
4	EUT with LTE Band 38 Link
5	EUT with LTE Band 41 Link

The Worst Case Mode for Following Conformance Tests			
Tests Item	Radiated Spurious Emission		
Test Condition	Radiated measurement		
1	Adapter Mode		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT			V



2.3 Accessories

Accessories				
USB TYPE C to Ethernet Dongle	Brand Name	-	Model Name	-
	Manufacturer	PAN-INTL	SN	9.HB393A.0022BK
	Signal Line	0.2 meter, non-shielded cable, w/o ferrite core		

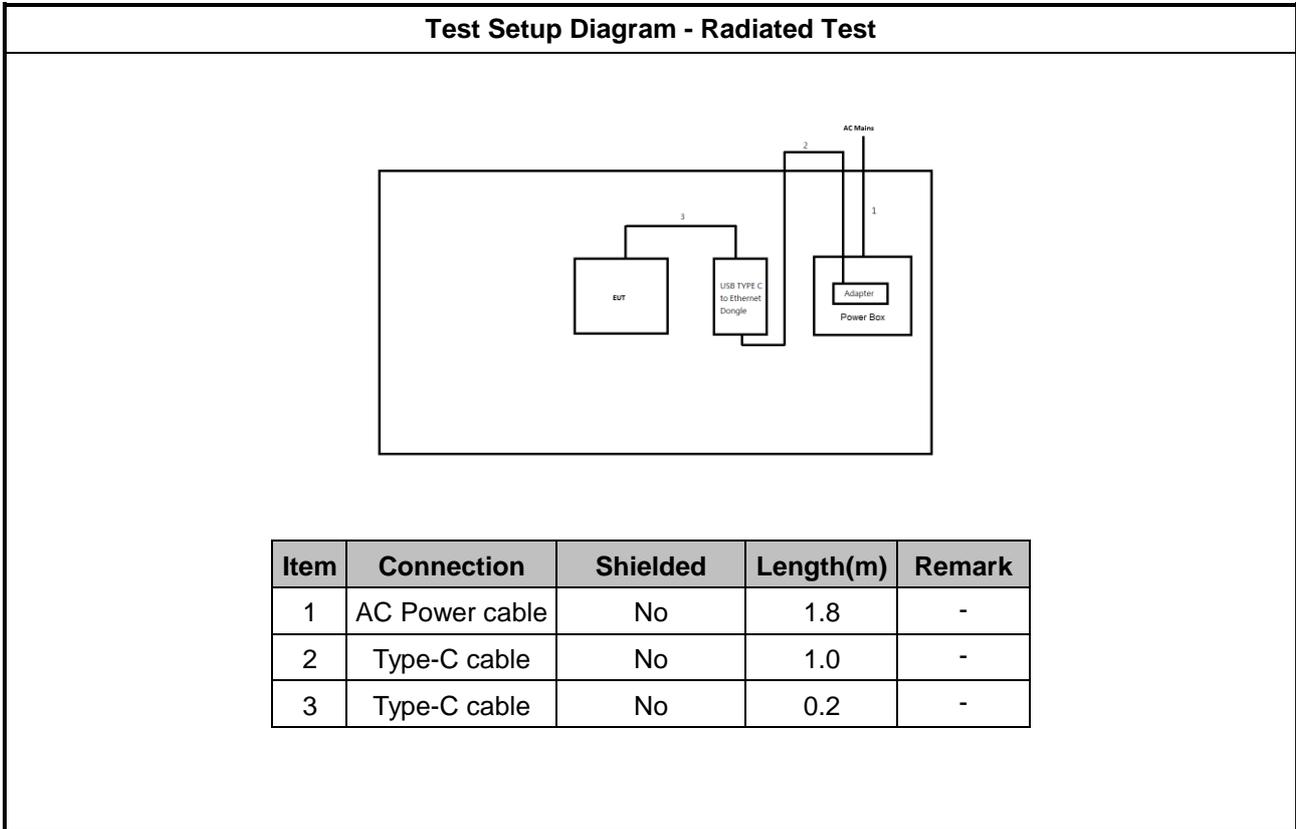
Reminder: Regarding to more detail and other information, please refer to user manual.

2.4 Support Equipment

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Sim Card for WWAN	R&S	eSIM	-	-

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Adapter	APPLE	A1385	-	-
2	Type-C cable	Sporton	Sporton	-	-

2.5 Test Setup Diagram





3 Test Result

3.1 Conducted Output Power and ERP/EIRP Measurement

3.1.1 Description of the Conducted Output Power and ERP/EIRP Measurement

Conducted Output Power Limit	
N/A	
Effective Radiated Power (ERP) Limit	
<input checked="" type="checkbox"/> WCDMA Band V	Base Station: 500 Watts or 400Watts (PSD) Mobile Station: 7 Watts
<input checked="" type="checkbox"/> LTE Band 5	
<input checked="" type="checkbox"/> LTE Band 12	Base Station: 1000 Watts Mobile Station: 30 Watts hand-held devices: 3 Watts
Equivalent Isotropic Radiated Power (EIRP) Limit	
<input checked="" type="checkbox"/> LTE Band 38	Base Station: 1640 Watts Mobile Station: 2 Watts
<input checked="" type="checkbox"/> LTE Band 41	
Note 1: A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.	
Note 2: According to ANSI/TIA-603-E-2016 Power Approach, EIRP = P _T + G _T - L _c , ERP = EIRP - 2.15, where P _T = transmitter output power in dBm G _T = gain of the transmitting antenna in dBi L _c = signal attenuation in the connecting cable between the transmitter and antenna in dB	

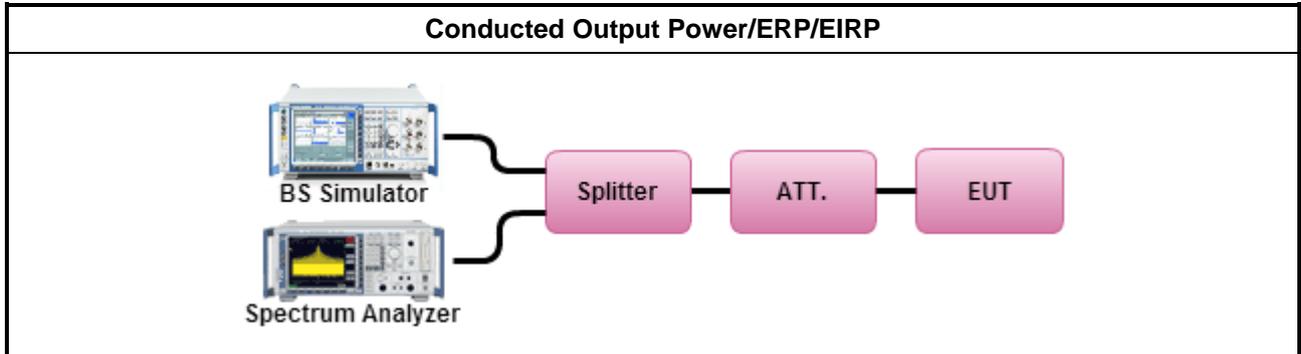
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

3.1.4 Test Setup



3.1.5 Test Result of Conducted Output Power

Refer as Appendix A

3.1.6 Test Result of ERP/EIRP

Refer as Appendix A

3.2 Peak-to-Average Ratio Measurement

3.2.1 Description of the PAR Measurement

The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

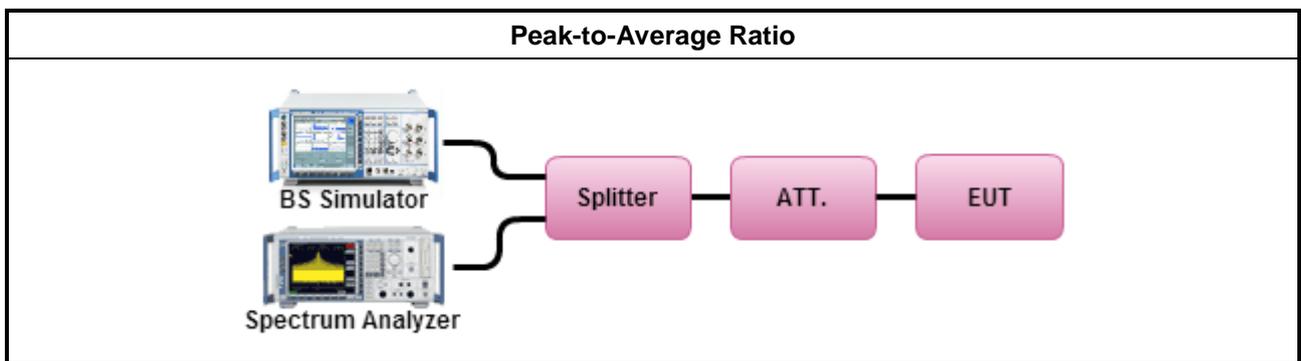
3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

1. The EUT was connected to spectrum and system simulator via a power divider.
2. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
3. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
4. Record the deviation as Peak to Average Ratio.

3.2.4 Test Setup



3.2.5 Test Result of Peak-to-Average Ratio

Refer as Appendix B



3.3 Occupied Bandwidth Measurement

3.3.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

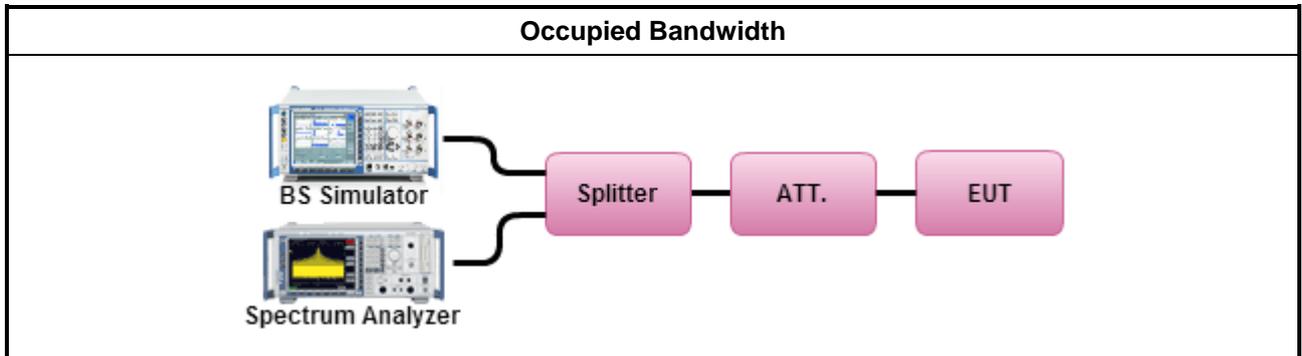
3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency.
The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
3. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
4. Set the detection mode to peak, and the trace mode to max hold.
5. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace. (this is the reference value)
6. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
7. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

3.3.4 Test Setup



3.3.5 Test Result of Occupied Bandwidth

Refer as Appendix C



3.4 Conducted Band Edge Measurement

3.4.1 Description of Conducted Band Edge Measurement

Conducted Band Edge	
<input checked="" type="checkbox"/> WCDMA V <input checked="" type="checkbox"/> LTE Band 5	<p>43 + 10log₁₀(P[Watts]) dB below the transmitter power P(Watts) in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.</p>
<input checked="" type="checkbox"/> LTE Band 12	<p>43 + 10log₁₀(P[Watts]) dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.</p>
<input checked="" type="checkbox"/> LTE Band 38 <input checked="" type="checkbox"/> LTE Band 41	<p>For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) Db on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.</p>

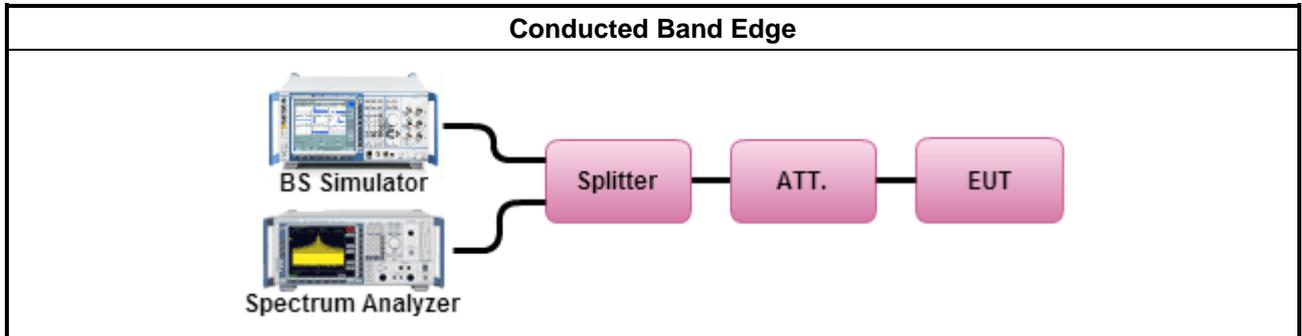
3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.

3.4.4 Test Setup



3.4.5 Test Result of Conducted Band Edge

Refer as Appendix D



3.5 Conducted Spurious Emission Measurement

3.5.1 Description of Conducted Spurious Emission Measurement

Conducted Band Edge	
<input checked="" type="checkbox"/> WCDMA V <input checked="" type="checkbox"/> LTE Band 5 <input checked="" type="checkbox"/> LTE Band 12	The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.
<input checked="" type="checkbox"/> LTE Band 38 <input checked="" type="checkbox"/> LTE Band 41	<p>The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.</p> <p>It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.</p>

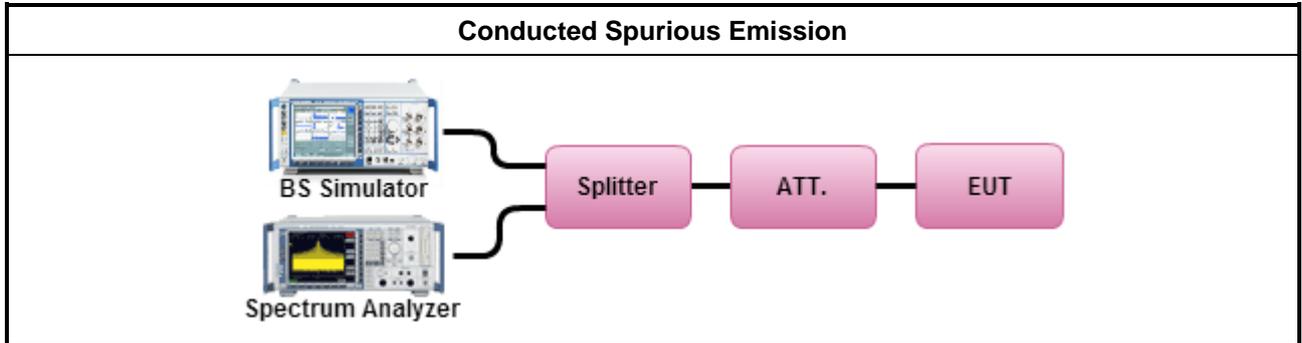
3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.
The path loss was compensated to the results for each measurement.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
6. Set spectrum analyzer with RMS detector.
7. Taking the record of maximum spurious emission.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

3.5.4 Test Setup



3.5.5 Test Result of Conducted Spurious Emission

Refer as Appendix D



3.6 Radiated Spurious Emission Measurement

3.6.1 Description of Radiated Spurious Emission Measurement

Radiated Spurious Emission	
The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.	
<input checked="" type="checkbox"/> LTE Band 38 <input checked="" type="checkbox"/> LTE Band 41	The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.
<input checked="" type="checkbox"/> LTE Band 12	Emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotopically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

3.6.2 Measuring Instruments

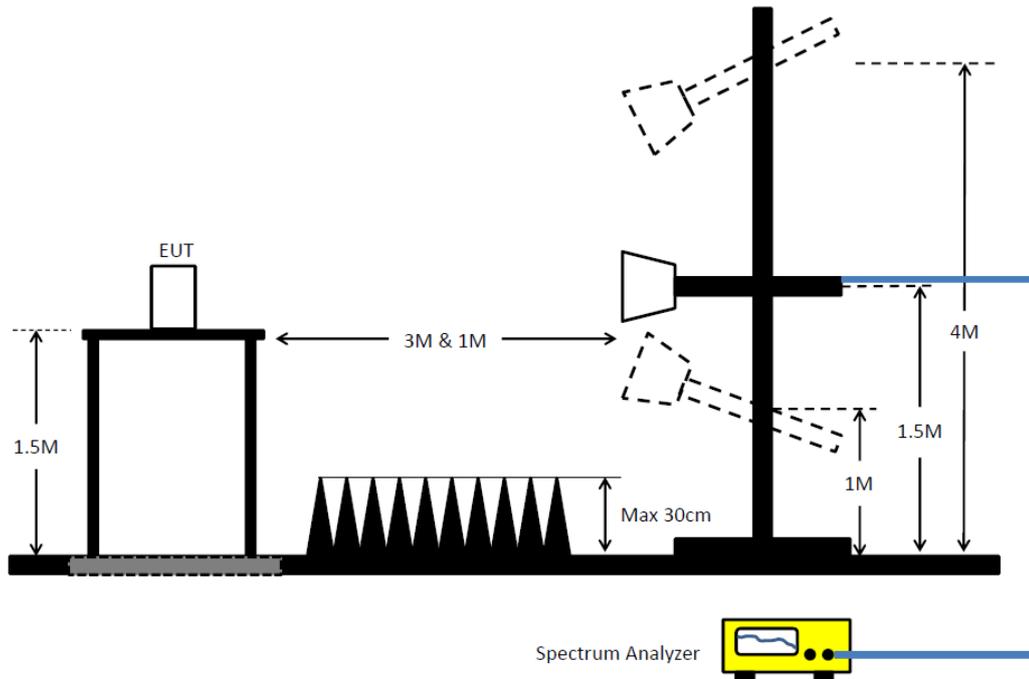
The measuring equipment is listed in the section 4 of this test report.

3.6.3 Test Procedures

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

3.6.4 Test Setup

For radiated emissions above 1GHz



3.6.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor (if applicable) = Level.

3.6.6 Test Result of Radiated Spurious Emission

Refer as Appendix E



3.7 Frequency Stability Measurement

3.7.1 Description of Frequency Stability Measurement

Frequency Stability	
<input checked="" type="checkbox"/> WCDMA V	Base Station: $\pm 1.5\text{ppm}$ Mobile Station: $\pm 2.5\text{ppm}$
<input checked="" type="checkbox"/> LTE Band 5	
<input checked="" type="checkbox"/> LTE Band 38	
<input checked="" type="checkbox"/> LTE Band 41	
<input checked="" type="checkbox"/> LTE Band 12	Within Authorized Band
Note: The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block.	

3.7.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

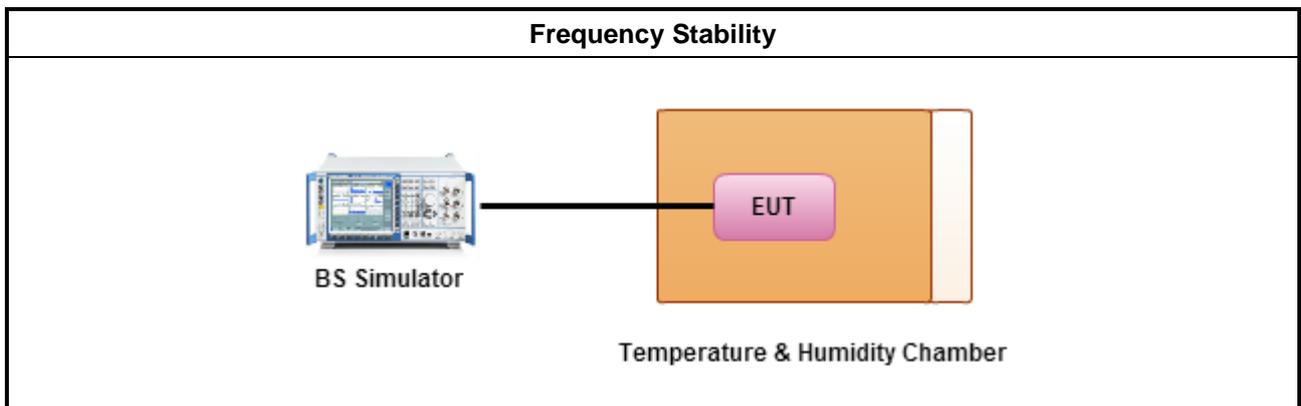
3.7.3 Test Procedures for Temperature Variation

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in -30°C steps up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.7.4 Test Procedures for Voltage Variation

1. The EUT was placed in a temperature chamber at $25\pm 5^{\circ}\text{C}$ and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85 to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

3.7.5 Test Setup



3.7.6 Test Result of Frequency Stability

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	01/Apr/2022	31/Mar/2023
Programmable Temp. & Humi. Chamber	Giant Force	GTH-225-20-SP-SD	MAA1112-007	-20~100°C	19/May/2022	18/May/2023
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022
SMB100A Signal Generator	R&S	SMR 40	100116	10MHz~10GHz	11/Jan/2022	10/Jan/2023
Radio Communication Analyzer	Anritsu	MT8820C	6201381764	2G/3G/4G	08/Nov/2021	07/Nov/2022
SENSE-FCC_2G-4G	Sporton	V6.1.5	N/A	N/A	N/A	N/A

**Instrument for Radiated Test**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	02/Aug/2022	01/Aug/2023
Microwave Preamplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	14/Jul/2022	13/Jul/2023
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	26/Oct/2022	25/Oct/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
Double Ridged Guide Horn Antenna	COM-POWER	AHA-118	711064	1GHz ~18GHz	27/Dec/2021	26/Dec/2022
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	03CH03-cable-01	1GHz~40GHz	27/Jul/2022	26/Jul/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Prempifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
Radio Communication Analyzer	Anritsu	MT8820C	6201381764	2G/3G/4G	08/Nov/2021	07/Nov/2022
SENSE-FCC_2 G-4G	Sporton	v6.0.8	NA	NA	NA	NA



Summary

Mode	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)
Band 5	-	-	-	-
WCDMA_5MHz_Nss1_1TX	23.45	0.221	22.16	0.164
HSDPA_5MHz_Nss1,Subtest 1_1TX	21.90	0.155	20.61	0.115
HSDPA_5MHz_Nss1,Subtest 2_1TX	21.89	0.155	20.60	0.115
HSDPA_5MHz_Nss1,Subtest 3_1TX	21.96	0.157	20.67	0.117
HSDPA_5MHz_Nss1,Subtest 4_1TX	21.96	0.157	20.67	0.117
HSUPA_5MHz_Nss1,Subtest 1_1TX	22.42	0.175	21.13	0.130
HSUPA_5MHz_Nss1,Subtest 2_1TX	22.37	0.173	21.08	0.128
HSUPA_5MHz_Nss1,Subtest 3_1TX	22.34	0.171	21.05	0.127
HSUPA_5MHz_Nss1,Subtest 4_1TX	22.40	0.174	21.11	0.129
HSUPA_5MHz_Nss1,Subtest 5_1TX	22.40	0.174	21.11	0.129



Result

Mode	Result	DG (dBi)	ERP (dBm)	ERP (W)	ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
Band 5_WCDMA_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-
826.4MHz	Pass	0.86	21.68	0.147	7	22.97	0.198	Inf	22.97
836.4MHz	Pass	0.86	21.88	0.154	7	23.17	0.207	Inf	23.17
846.6MHz	Pass	0.86	22.16	0.164	7	23.45	0.221	Inf	23.45
Band 5_HSDPA_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-
826.4MHz_Subtest 1	Pass	0.86	20.17	0.104	7	21.46	0.140	Inf	21.46
826.4MHz_Subtest 2	Pass	0.86	20.18	0.104	7	21.47	0.140	Inf	21.47
826.4MHz_Subtest 3	Pass	0.86	20.16	0.104	7	21.45	0.140	Inf	21.45
826.4MHz_Subtest 4	Pass	0.86	20.22	0.105	7	21.51	0.142	Inf	21.51
836.4MHz_Subtest 1	Pass	0.86	20.42	0.110	7	21.71	0.148	Inf	21.71
836.4MHz_Subtest 2	Pass	0.86	20.39	0.109	7	21.68	0.147	Inf	21.68
836.4MHz_Subtest 3	Pass	0.86	20.46	0.111	7	21.75	0.150	Inf	21.75
836.4MHz_Subtest 4	Pass	0.86	20.41	0.110	7	21.70	0.148	Inf	21.70
846.6MHz_Subtest 1	Pass	0.86	20.61	0.115	7	21.90	0.155	Inf	21.90
846.6MHz_Subtest 2	Pass	0.86	20.60	0.115	7	21.89	0.155	Inf	21.89
846.6MHz_Subtest 3	Pass	0.86	20.67	0.117	7	21.96	0.157	Inf	21.96
846.6MHz_Subtest 4	Pass	0.86	20.67	0.117	7	21.96	0.157	Inf	21.96
Band 5_HSUPA_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-
826.4MHz_Subtest 1	Pass	0.86	20.63	0.116	7	21.92	0.156	Inf	21.92
826.4MHz_Subtest 2	Pass	0.86	20.67	0.117	7	21.96	0.157	Inf	21.96
826.4MHz_Subtest 3	Pass	0.86	20.67	0.117	7	21.96	0.157	Inf	21.96
826.4MHz_Subtest 4	Pass	0.86	20.67	0.117	7	21.96	0.157	Inf	21.96
826.4MHz_Subtest 5	Pass	0.86	20.68	0.117	7	21.97	0.157	Inf	21.97
836.4MHz_Subtest 1	Pass	0.86	20.80	0.120	7	22.09	0.162	Inf	22.09
836.4MHz_Subtest 2	Pass	0.86	20.86	0.122	7	22.15	0.164	Inf	22.15
836.4MHz_Subtest 3	Pass	0.86	20.84	0.121	7	22.13	0.163	Inf	22.13
836.4MHz_Subtest 4	Pass	0.86	20.86	0.122	7	22.15	0.164	Inf	22.15
836.4MHz_Subtest 5	Pass	0.86	20.87	0.122	7	22.16	0.164	Inf	22.16
846.6MHz_Subtest 1	Pass	0.86	21.13	0.130	7	22.42	0.175	Inf	22.42
846.6MHz_Subtest 2	Pass	0.86	21.08	0.128	7	22.37	0.173	Inf	22.37
846.6MHz_Subtest 3	Pass	0.86	21.05	0.127	7	22.34	0.171	Inf	22.34
846.6MHz_Subtest 4	Pass	0.86	21.11	0.129	7	22.40	0.174	Inf	22.40
846.6MHz_Subtest 5	Pass	0.86	21.11	0.129	7	22.40	0.174	Inf	22.40

Prate,c = Maximum Power limit.

Port n-Pmax,c = Port n Carrier output power.

Port n-Prate,t = Port n Carrier total output power.



Summary

Mode	Power (dBm)	Power (W)	EIRP/ERP (dBm)	EIRP (W)
Band 5	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	21.58	0.144	20.29	0.10691
LTE_1.4MHz_Nss1,16QAM_1TX	22.01	0.159	20.72	0.11803
LTE_1.4MHz_Nss1,64QAM_1TX	21.75	0.150	20.46	0.11117
LTE_3MHz_Nss1,QPSK_1TX	21.63	0.146	20.34	0.10814
LTE_3MHz_Nss1,16QAM_1TX	21.98	0.158	20.69	0.11722
LTE_3MHz_Nss1,64QAM_1TX	21.72	0.149	20.43	0.11041
LTE_5MHz_Nss1,QPSK_1TX	21.66	0.147	20.37	0.10889
LTE_5MHz_Nss1,16QAM_1TX	21.65	0.146	20.36	0.10864
LTE_5MHz_Nss1,64QAM_1TX	21.57	0.144	20.28	0.10666
LTE_10MHz_Nss1,QPSK_1TX	21.62	0.145	20.33	0.10789
LTE_10MHz_Nss1,16QAM_1TX	21.95	0.157	20.66	0.11641
LTE_10MHz_Nss1,64QAM_1TX	21.75	0.150	20.46	0.11117
Band 12	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	21.26	0.134	18.3	0.06761
LTE_1.4MHz_Nss1,16QAM_1TX	21.57	0.144	18.61	0.07261
LTE_1.4MHz_Nss1,64QAM_1TX	21.37	0.137	18.41	0.06934
LTE_3MHz_Nss1,QPSK_1TX	23.12	0.205	20.16	0.10375
LTE_3MHz_Nss1,16QAM_1TX	22.56	0.180	19.6	0.09120
LTE_3MHz_Nss1,64QAM_1TX	22.97	0.198	20.01	0.10023
LTE_5MHz_Nss1,QPSK_1TX	22.67	0.185	19.71	0.09354
LTE_5MHz_Nss1,16QAM_1TX	22.17	0.165	19.21	0.08337
LTE_5MHz_Nss1,64QAM_1TX	22.23	0.167	19.27	0.08453
LTE_10MHz_Nss1,QPSK_1TX	21.94	0.156	18.98	0.07907
LTE_10MHz_Nss1,16QAM_1TX	21.47	0.140	18.51	0.07096
LTE_10MHz_Nss1,64QAM_1TX	22.34	0.171	19.38	0.08670
Band 38	-	-	-	-
LTE_5MHz_Nss1,QPSK_1TX	25.79	0.379	27.48	0.55976
LTE_5MHz_Nss1,16QAM_1TX	25.06	0.321	26.75	0.47315
LTE_5MHz_Nss1,64QAM_1TX	25.05	0.320	26.74	0.47206
LTE_10MHz_Nss1,QPSK_1TX	26.21	0.418	27.90	0.61660
LTE_10MHz_Nss1,16QAM_1TX	25.55	0.359	27.24	0.52966
LTE_10MHz_Nss1,64QAM_1TX	25.27	0.337	26.96	0.49659
Band 41	-	-	-	-
LTE_5MHz_Nss1,QPSK_1TX	25.90	0.389	28.08	0.64269
LTE_5MHz_Nss1,16QAM_1TX	25.11	0.324	27.29	0.53580
LTE_5MHz_Nss1,64QAM_1TX	24.77	0.300	26.95	0.49545
LTE_10MHz_Nss1,QPSK_1TX	26.12	0.409	28.30	0.67608
LTE_10MHz_Nss1,16QAM_1TX	25.52	0.356	27.70	0.58884
LTE_10MHz_Nss1,64QAM_1TX	25.24	0.334	27.42	0.55208
LTE_15MHz_Nss1,QPSK_1TX	26.15	0.412	28.33	0.68077
LTE_15MHz_Nss1,16QAM_1TX	25.32	0.340	27.50	0.56234
LTE_15MHz_Nss1,64QAM_1TX	25.13	0.326	27.31	0.53827
LTE_20MHz_Nss1,QPSK_1TX	26.22	0.419	28.40	0.69183
LTE_20MHz_Nss1,16QAM_1TX	25.82	0.382	28.00	0.63096
LTE_20MHz_Nss1,64QAM_1TX	25.51	0.356	27.69	0.58749

DG = Directional Gain; Port n = Port n output power



Result

Mode	Result	DG (dBi)	EIRP/ERP (dBm)	EIRP/ERP (W)	EIRP/ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
Band 5_LTE_1.4MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
824.7MHz_RB 6,#RB 0	Pass	0.86	20.09	0.10209	7	21.38	0.137	Inf	21.38
824.7MHz_RB 1,#RB L	Pass	0.86	20.01	0.10023	7	21.30	0.135	Inf	21.30
824.7MHz_RB 1,#RB M	Pass	0.86	20.06	0.10139	7	21.35	0.136	Inf	21.35
824.7MHz_RB 1,#RB H	Pass	0.86	20.07	0.10162	7	21.36	0.137	Inf	21.36
824.7MHz_RB 3,#RB L	Pass	0.86	20.10	0.10233	7	21.39	0.138	Inf	21.39
824.7MHz_RB 3,#RB M	Pass	0.86	20.06	0.10139	7	21.35	0.136	Inf	21.35
824.7MHz_RB 3,#RB H	Pass	0.86	20.08	0.10186	7	21.37	0.137	Inf	21.37
836.5MHz_RB 6,#RB 0	Pass	0.86	20.19	0.10447	7	21.48	0.141	Inf	21.48
836.5MHz_RB 1,#RB L	Pass	0.86	20.15	0.10351	7	21.44	0.139	Inf	21.44
836.5MHz_RB 1,#RB M	Pass	0.86	20.17	0.10399	7	21.46	0.140	Inf	21.46
836.5MHz_RB 1,#RB H	Pass	0.86	20.13	0.10304	7	21.42	0.139	Inf	21.42
836.5MHz_RB 3,#RB L	Pass	0.86	20.20	0.10471	7	21.49	0.141	Inf	21.49
836.5MHz_RB 3,#RB M	Pass	0.86	20.24	0.10568	7	21.53	0.142	Inf	21.53
836.5MHz_RB 3,#RB H	Pass	0.86	20.24	0.10568	7	21.53	0.142	Inf	21.53
848.3MHz_RB 6,#RB 0	Pass	0.86	20.27	0.10641	7	21.56	0.143	Inf	21.56
848.3MHz_RB 1,#RB L	Pass	0.86	20.20	0.10471	7	21.49	0.141	Inf	21.49
848.3MHz_RB 1,#RB M	Pass	0.86	20.25	0.10593	7	21.54	0.143	Inf	21.54
848.3MHz_RB 1,#RB H	Pass	0.86	20.24	0.10568	7	21.53	0.142	Inf	21.53
848.3MHz_RB 3,#RB L	Pass	0.86	20.29	0.10691	7	21.58	0.144	Inf	21.58
848.3MHz_RB 3,#RB M	Pass	0.86	20.29	0.10691	7	21.58	0.144	Inf	21.58
848.3MHz_RB 3,#RB H	Pass	0.86	20.29	0.10691	7	21.58	0.144	Inf	21.58
Band 5_LTE_1.4MHz_Nss1,16QAM_1TX	-	-	-	0.00100	-	-	-	-	-
824.7MHz_RB 6,#RB 0	Pass	0.86	19.18	0.08279	7	20.47	0.111	Inf	20.47
824.7MHz_RB 1,#RB L	Pass	0.86	20.42	0.11015	7	21.71	0.148	Inf	21.71
824.7MHz_RB 1,#RB M	Pass	0.86	20.44	0.11066	7	21.73	0.149	Inf	21.73
824.7MHz_RB 1,#RB H	Pass	0.86	20.49	0.11194	7	21.78	0.151	Inf	21.78
824.7MHz_RB 3,#RB L	Pass	0.86	20.23	0.10544	7	21.52	0.142	Inf	21.52
824.7MHz_RB 3,#RB M	Pass	0.86	20.29	0.10691	7	21.58	0.144	Inf	21.58
824.7MHz_RB 3,#RB H	Pass	0.86	20.26	0.10617	7	21.55	0.143	Inf	21.55
836.5MHz_RB 6,#RB 0	Pass	0.86	19.33	0.08570	7	20.62	0.115	Inf	20.62
836.5MHz_RB 1,#RB L	Pass	0.86	20.56	0.11376	7	21.85	0.153	Inf	21.85
836.5MHz_RB 1,#RB M	Pass	0.86	20.63	0.11561	7	21.92	0.156	Inf	21.92
836.5MHz_RB 1,#RB H	Pass	0.86	20.59	0.11455	7	21.88	0.154	Inf	21.88
836.5MHz_RB 3,#RB L	Pass	0.86	20.35	0.10839	7	21.64	0.146	Inf	21.64
836.5MHz_RB 3,#RB M	Pass	0.86	20.37	0.10889	7	21.66	0.147	Inf	21.66
836.5MHz_RB 3,#RB H	Pass	0.86	20.37	0.10889	7	21.66	0.147	Inf	21.66
848.3MHz_RB 6,#RB 0	Pass	0.86	19.34	0.08590	7	20.63	0.116	Inf	20.63
848.3MHz_RB 1,#RB L	Pass	0.86	20.64	0.11588	7	21.93	0.156	Inf	21.93
848.3MHz_RB 1,#RB M	Pass	0.86	20.72	0.11803	7	22.01	0.159	Inf	22.01
848.3MHz_RB 1,#RB H	Pass	0.86	20.62	0.11535	7	21.91	0.155	Inf	21.91
848.3MHz_RB 3,#RB L	Pass	0.86	20.51	0.11246	7	21.80	0.151	Inf	21.80
848.3MHz_RB 3,#RB M	Pass	0.86	20.47	0.11143	7	21.76	0.150	Inf	21.76
848.3MHz_RB 3,#RB H	Pass	0.86	20.46	0.11117	7	21.75	0.150	Inf	21.75
Band 5_LTE_1.4MHz_Nss1,64QAM_1TX	-	-	-	-	-	-	-	-	-
824.7MHz_RB 6,#RB 0	Pass	0.86	19.11	0.08147	7	20.40	0.110	Inf	20.40
824.7MHz_RB 1,#RB L	Pass	0.86	20.28	0.10666	7	21.57	0.144	Inf	21.57
824.7MHz_RB 1,#RB M	Pass	0.86	20.28	0.10666	7	21.57	0.144	Inf	21.57
824.7MHz_RB 1,#RB H	Pass	0.86	20.18	0.10423	7	21.47	0.140	Inf	21.47
824.7MHz_RB 3,#RB L	Pass	0.86	20.21	0.10495	7	21.50	0.141	Inf	21.50
824.7MHz_RB 3,#RB M	Pass	0.86	20.21	0.10495	7	21.50	0.141	Inf	21.50
824.7MHz_RB 3,#RB H	Pass	0.86	20.19	0.10447	7	21.48	0.141	Inf	21.48
836.5MHz_RB 6,#RB 0	Pass	0.86	19.24	0.08395	7	20.53	0.113	Inf	20.53
836.5MHz_RB 1,#RB L	Pass	0.86	20.29	0.10691	7	21.58	0.144	Inf	21.58
836.5MHz_RB 1,#RB M	Pass	0.86	20.35	0.10839	7	21.64	0.146	Inf	21.64
836.5MHz_RB 1,#RB H	Pass	0.86	20.28	0.10666	7	21.57	0.144	Inf	21.57
836.5MHz_RB 3,#RB L	Pass	0.86	20.24	0.10568	7	21.53	0.142	Inf	21.53
836.5MHz_RB 3,#RB M	Pass	0.86	20.33	0.10789	7	21.62	0.145	Inf	21.62
836.5MHz_RB 3,#RB H	Pass	0.86	20.34	0.10814	7	21.63	0.146	Inf	21.63
848.3MHz_RB 6,#RB 0	Pass	0.86	19.29	0.08492	7	20.58	0.114	Inf	20.58
848.3MHz_RB 1,#RB L	Pass	0.86	20.46	0.11117	7	21.75	0.150	Inf	21.75



Mode	Result	DG (dBi)	EIRP/ERP (dBm)	EIRP/ERP (W)	EIRP/ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
848.3MHz_RB 1,#RB M	Pass	0.86	20.42	0.11015	7	21.71	0.148	Inf	21.71
848.3MHz_RB 1,#RB H	Pass	0.86	20.37	0.10889	7	21.66	0.147	Inf	21.66
848.3MHz_RB 3,#RB L	Pass	0.86	20.37	0.10889	7	21.66	0.147	Inf	21.66
848.3MHz_RB 3,#RB M	Pass	0.86	20.39	0.10940	7	21.68	0.147	Inf	21.68
848.3MHz_RB 3,#RB H	Pass	0.86	20.34	0.10814	7	21.63	0.146	Inf	21.63
Band 5_LTE_3MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
825.5MHz_RB 15,#RB 0	Pass	0.86	20.13	0.10304	7	21.42	0.139	Inf	21.42
825.5MHz_RB 1,#RB L	Pass	0.86	19.88	0.09727	7	21.17	0.131	Inf	21.17
825.5MHz_RB 1,#RB M	Pass	0.86	20.09	0.10209	7	21.38	0.137	Inf	21.38
825.5MHz_RB 1,#RB H	Pass	0.86	19.93	0.09840	7	21.22	0.132	Inf	21.22
825.5MHz_RB 8,#RB L	Pass	0.86	20.13	0.10304	7	21.42	0.139	Inf	21.42
825.5MHz_RB 8,#RB M	Pass	0.86	20.16	0.10375	7	21.45	0.140	Inf	21.45
825.5MHz_RB 8,#RB H	Pass	0.86	20.13	0.10304	7	21.42	0.139	Inf	21.42
836.5MHz_RB 15,#RB 0	Pass	0.86	20.24	0.10568	7	21.53	0.142	Inf	21.53
836.5MHz_RB 1,#RB L	Pass	0.86	20.03	0.10069	7	21.32	0.136	Inf	21.32
836.5MHz_RB 1,#RB M	Pass	0.86	20.13	0.10304	7	21.42	0.139	Inf	21.42
836.5MHz_RB 1,#RB H	Pass	0.86	20.02	0.10046	7	21.31	0.135	Inf	21.31
836.5MHz_RB 8,#RB L	Pass	0.86	20.17	0.10399	7	21.46	0.140	Inf	21.46
836.5MHz_RB 8,#RB M	Pass	0.86	20.29	0.10691	7	21.58	0.144	Inf	21.58
836.5MHz_RB 8,#RB H	Pass	0.86	20.22	0.10520	7	21.51	0.142	Inf	21.51
847.5MHz_RB 15,#RB 0	Pass	0.86	20.29	0.10691	7	21.58	0.144	Inf	21.58
847.5MHz_RB 1,#RB L	Pass	0.86	20.03	0.10069	7	21.32	0.136	Inf	21.32
847.5MHz_RB 1,#RB M	Pass	0.86	20.21	0.10495	7	21.50	0.141	Inf	21.50
847.5MHz_RB 1,#RB H	Pass	0.86	20.15	0.10351	7	21.44	0.139	Inf	21.44
847.5MHz_RB 8,#RB L	Pass	0.86	20.25	0.10593	7	21.54	0.143	Inf	21.54
847.5MHz_RB 8,#RB M	Pass	0.86	20.34	0.10814	7	21.63	0.146	Inf	21.63
847.5MHz_RB 8,#RB H	Pass	0.86	20.33	0.10789	7	21.62	0.145	Inf	21.62
Band 5_LTE_3MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
825.5MHz_RB 15,#RB 0	Pass	0.86	19.18	0.08279	7	20.47	0.111	Inf	20.47
825.5MHz_RB 1,#RB L	Pass	0.86	20.35	0.10839	7	21.64	0.146	Inf	21.64
825.5MHz_RB 1,#RB M	Pass	0.86	20.56	0.11376	7	21.85	0.153	Inf	21.85
825.5MHz_RB 1,#RB H	Pass	0.86	20.31	0.10740	7	21.60	0.145	Inf	21.60
825.5MHz_RB 8,#RB L	Pass	0.86	19.25	0.08414	7	20.54	0.113	Inf	20.54
825.5MHz_RB 8,#RB M	Pass	0.86	19.20	0.08318	7	20.49	0.112	Inf	20.49
825.5MHz_RB 8,#RB H	Pass	0.86	19.27	0.08453	7	20.56	0.114	Inf	20.56
836.5MHz_RB 15,#RB 0	Pass	0.86	19.26	0.08433	7	20.55	0.114	Inf	20.55
836.5MHz_RB 1,#RB L	Pass	0.86	20.46	0.11117	7	21.75	0.150	Inf	21.75
836.5MHz_RB 1,#RB M	Pass	0.86	20.53	0.11298	7	21.82	0.152	Inf	21.82
836.5MHz_RB 1,#RB H	Pass	0.86	20.46	0.11117	7	21.75	0.150	Inf	21.75
836.5MHz_RB 8,#RB L	Pass	0.86	19.25	0.08414	7	20.54	0.113	Inf	20.54
836.5MHz_RB 8,#RB M	Pass	0.86	19.32	0.08551	7	20.61	0.115	Inf	20.61
836.5MHz_RB 8,#RB H	Pass	0.86	19.34	0.08590	7	20.63	0.116	Inf	20.63
847.5MHz_RB 15,#RB 0	Pass	0.86	19.33	0.08570	7	20.62	0.115	Inf	20.62
847.5MHz_RB 1,#RB L	Pass	0.86	20.50	0.11220	7	21.79	0.151	Inf	21.79
847.5MHz_RB 1,#RB M	Pass	0.86	20.69	0.11722	7	21.98	0.158	Inf	21.98
847.5MHz_RB 1,#RB H	Pass	0.86	20.54	0.11324	7	21.83	0.152	Inf	21.83
847.5MHz_RB 8,#RB L	Pass	0.86	19.30	0.08511	7	20.59	0.115	Inf	20.59
847.5MHz_RB 8,#RB M	Pass	0.86	19.43	0.08770	7	20.72	0.118	Inf	20.72
847.5MHz_RB 8,#RB H	Pass	0.86	19.41	0.08730	7	20.70	0.117	Inf	20.70
Band 5_LTE_3MHz_Nss1,64QAM_1TX	-	-	-	-	-	-	-	-	-
825.5MHz_RB 15,#RB 0	Pass	0.86	19.17	0.08260	7	20.46	0.111	Inf	20.46
825.5MHz_RB 1,#RB L	Pass	0.86	20.10	0.10233	7	21.39	0.138	Inf	21.39
825.5MHz_RB 1,#RB M	Pass	0.86	20.21	0.10495	7	21.50	0.141	Inf	21.50
825.5MHz_RB 1,#RB H	Pass	0.86	20.09	0.10209	7	21.38	0.137	Inf	21.38
825.5MHz_RB 8,#RB L	Pass	0.86	19.16	0.08241	7	20.45	0.111	Inf	20.45
825.5MHz_RB 8,#RB M	Pass	0.86	19.21	0.08337	7	20.50	0.112	Inf	20.50
825.5MHz_RB 8,#RB H	Pass	0.86	19.15	0.08222	7	20.44	0.111	Inf	20.44
836.5MHz_RB 15,#RB 0	Pass	0.86	19.28	0.08472	7	20.57	0.114	Inf	20.57
836.5MHz_RB 1,#RB L	Pass	0.86	20.17	0.10399	7	21.46	0.140	Inf	21.46
836.5MHz_RB 1,#RB M	Pass	0.86	20.43	0.11041	7	21.72	0.149	Inf	21.72
836.5MHz_RB 1,#RB H	Pass	0.86	20.30	0.10715	7	21.59	0.144	Inf	21.59
836.5MHz_RB 8,#RB L	Pass	0.86	19.21	0.08337	7	20.50	0.112	Inf	20.50



Mode	Result	DG (dBi)	EIRP/ERP (dBm)	EIRP/ERP (W)	EIRP/ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
836.5MHz_RB 8,#RB M	Pass	0.86	19.29	0.08492	7	20.58	0.114	Inf	20.58
836.5MHz_RB 8,#RB H	Pass	0.86	19.25	0.08414	7	20.54	0.113	Inf	20.54
847.5MHz_RB 15,#RB 0	Pass	0.86	19.30	0.08511	7	20.59	0.115	Inf	20.59
847.5MHz_RB 1,#RB L	Pass	0.86	20.29	0.10691	7	21.58	0.144	Inf	21.58
847.5MHz_RB 1,#RB M	Pass	0.86	20.39	0.10940	7	21.68	0.147	Inf	21.68
847.5MHz_RB 1,#RB H	Pass	0.86	20.32	0.10765	7	21.61	0.145	Inf	21.61
847.5MHz_RB 8,#RB L	Pass	0.86	19.23	0.08375	7	20.52	0.113	Inf	20.52
847.5MHz_RB 8,#RB M	Pass	0.86	19.35	0.08610	7	20.64	0.116	Inf	20.64
847.5MHz_RB 8,#RB H	Pass	0.86	19.31	0.08531	7	20.60	0.115	Inf	20.60
Band 5_LTE_5MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
826.5MHz_RB 25,#RB 0	Pass	0.86	20.37	0.10889	7	21.66	0.147	Inf	21.66
826.5MHz_RB 1,#RB L	Pass	0.86	19.77	0.09484	7	21.06	0.128	Inf	21.06
826.5MHz_RB 1,#RB H	Pass	0.86	19.86	0.09683	7	21.15	0.130	Inf	21.15
826.5MHz_RB 1,#RB M	Pass	0.86	19.81	0.09572	7	21.10	0.129	Inf	21.10
826.5MHz_RB 12,#RB L	Pass	0.86	19.98	0.09954	7	21.27	0.134	Inf	21.27
826.5MHz_RB 12,#RB M	Pass	0.86	20.08	0.10186	7	21.37	0.137	Inf	21.37
826.5MHz_RB 12,#RB H	Pass	0.86	20.10	0.10233	7	21.39	0.138	Inf	21.39
836.5MHz_RB 25,#RB 0	Pass	0.86	20.10	0.10233	7	21.39	0.138	Inf	21.39
836.5MHz_RB 1,#RB L	Pass	0.86	19.88	0.09727	7	21.17	0.131	Inf	21.17
836.5MHz_RB 1,#RB M	Pass	0.86	19.93	0.09840	7	21.22	0.132	Inf	21.22
836.5MHz_RB 1,#RB H	Pass	0.86	19.90	0.09772	7	21.19	0.132	Inf	21.19
836.5MHz_RB 12,#RB L	Pass	0.86	20.05	0.10116	7	21.34	0.136	Inf	21.34
836.5MHz_RB 12,#RB M	Pass	0.86	20.18	0.10423	7	21.47	0.140	Inf	21.47
836.5MHz_RB 12,#RB H	Pass	0.86	20.17	0.10399	7	21.46	0.140	Inf	21.46
846.5MHz_RB 25,#RB 0	Pass	0.86	20.15	0.10351	7	21.44	0.139	Inf	21.44
846.5MHz_RB 1,#RB L	Pass	0.86	19.92	0.09817	7	21.21	0.132	Inf	21.21
846.5MHz_RB 1,#RB M	Pass	0.86	20.14	0.10328	7	21.43	0.139	Inf	21.43
846.5MHz_RB 1,#RB H	Pass	0.86	20.04	0.10093	7	21.33	0.136	Inf	21.33
846.5MHz_RB 12,#RB L	Pass	0.86	20.15	0.10351	7	21.44	0.139	Inf	21.44
846.5MHz_RB 12,#RB M	Pass	0.86	20.26	0.10617	7	21.55	0.143	Inf	21.55
846.5MHz_RB 12,#RB H	Pass	0.86	20.22	0.10520	7	21.51	0.142	Inf	21.51
Band 5_LTE_5MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
826.5MHz_RB 25,#RB 0	Pass	0.86	19.10	0.08128	7	20.39	0.109	Inf	20.39
826.5MHz_RB 1,#RB L	Pass	0.86	20.12	0.10280	7	21.41	0.138	Inf	21.41
826.5MHz_RB 1,#RB M	Pass	0.86	20.33	0.10789	7	21.62	0.145	Inf	21.62
826.5MHz_RB 1,#RB H	Pass	0.86	20.01	0.10023	7	21.30	0.135	Inf	21.30
826.5MHz_RB 12,#RB L	Pass	0.86	19.09	0.08110	7	20.38	0.109	Inf	20.38
826.5MHz_RB 12,#RB M	Pass	0.86	19.27	0.08453	7	20.56	0.114	Inf	20.56
826.5MHz_RB 12,#RB H	Pass	0.86	19.21	0.08337	7	20.50	0.112	Inf	20.50
836.5MHz_RB 25,#RB 0	Pass	0.86	19.06	0.08054	7	20.35	0.108	Inf	20.35
836.5MHz_RB 1,#RB L	Pass	0.86	20.12	0.10280	7	21.41	0.138	Inf	21.41
836.5MHz_RB 1,#RB M	Pass	0.86	20.29	0.10691	7	21.58	0.144	Inf	21.58
836.5MHz_RB 1,#RB H	Pass	0.86	20.18	0.10423	7	21.47	0.140	Inf	21.47
836.5MHz_RB 12,#RB L	Pass	0.86	19.20	0.08318	7	20.49	0.112	Inf	20.49
836.5MHz_RB 12,#RB M	Pass	0.86	19.34	0.08590	7	20.63	0.116	Inf	20.63
836.5MHz_RB 12,#RB H	Pass	0.86	19.32	0.08551	7	20.61	0.115	Inf	20.61
846.5MHz_RB 25,#RB 0	Pass	0.86	19.14	0.08204	7	20.43	0.110	Inf	20.43
846.5MHz_RB 1,#RB L	Pass	0.86	20.35	0.10839	7	21.64	0.146	Inf	21.64
846.5MHz_RB 1,#RB M	Pass	0.86	20.36	0.10864	7	21.65	0.146	Inf	21.65
846.5MHz_RB 1,#RB H	Pass	0.86	20.28	0.10666	7	21.57	0.144	Inf	21.57
846.5MHz_RB 12,#RB L	Pass	0.86	19.25	0.08414	7	20.54	0.113	Inf	20.54
846.5MHz_RB 12,#RB M	Pass	0.86	19.40	0.08710	7	20.69	0.117	Inf	20.69
846.5MHz_RB 12,#RB H	Pass	0.86	19.41	0.08730	7	20.70	0.117	Inf	20.70
Band 5_LTE_5MHz_Nss1,64QAM_1TX	-	-	-	-	-	-	-	-	-
826.5MHz_RB 25,#RB 0	Pass	0.86	19.16	0.08241	7	20.45	0.111	Inf	20.45
826.5MHz_RB 1,#RB L	Pass	0.86	19.81	0.09572	7	21.10	0.129	Inf	21.10
826.5MHz_RB 1,#RB M	Pass	0.86	20.09	0.10209	7	21.38	0.137	Inf	21.38
826.5MHz_RB 1,#RB H	Pass	0.86	19.92	0.09817	7	21.21	0.132	Inf	21.21
826.5MHz_RB 12,#RB L	Pass	0.86	19.07	0.08072	7	20.36	0.109	Inf	20.36
826.5MHz_RB 12,#RB M	Pass	0.86	19.23	0.08375	7	20.52	0.113	Inf	20.52
826.5MHz_RB 12,#RB H	Pass	0.86	19.21	0.08337	7	20.50	0.112	Inf	20.50
836.5MHz_RB 25,#RB 0	Pass	0.86	19.15	0.08222	7	20.44	0.111	Inf	20.44



Mode	Result	DG (dBi)	EIRP/ERP (dBm)	EIRP/ERP (W)	EIRP/ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
836.5MHz_RB 1,#RB L	Pass	0.86	20.01	0.10023	7	21.30	0.135	Inf	21.30
836.5MHz_RB 1,#RB M	Pass	0.86	20.28	0.10666	7	21.57	0.144	Inf	21.57
836.5MHz_RB 1,#RB H	Pass	0.86	20.07	0.10162	7	21.36	0.137	Inf	21.36
836.5MHz_RB 12,#RB L	Pass	0.86	19.20	0.08318	7	20.49	0.112	Inf	20.49
836.5MHz_RB 12,#RB M	Pass	0.86	19.38	0.08670	7	20.67	0.117	Inf	20.67
836.5MHz_RB 12,#RB H	Pass	0.86	19.30	0.08511	7	20.59	0.115	Inf	20.59
846.5MHz_RB 25,#RB 0	Pass	0.86	19.23	0.08375	7	20.52	0.113	Inf	20.52
846.5MHz_RB 1,#RB L	Pass	0.86	20.11	0.10257	7	21.40	0.138	Inf	21.40
846.5MHz_RB 1,#RB M	Pass	0.86	20.14	0.10328	7	21.43	0.139	Inf	21.43
846.5MHz_RB 1,#RB H	Pass	0.86	20.21	0.10495	7	21.50	0.141	Inf	21.50
846.5MHz_RB 12,#RB L	Pass	0.86	19.27	0.08453	7	20.56	0.114	Inf	20.56
846.5MHz_RB 12,#RB M	Pass	0.86	19.37	0.08650	7	20.66	0.116	Inf	20.66
846.5MHz_RB 12,#RB H	Pass	0.86	19.32	0.08551	7	20.61	0.115	Inf	20.61
Band 5_LTE_10MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
829MHz_RB 50,#RB 0	Pass	0.86	20.22	0.10520	7	21.51	0.142	Inf	21.51
829MHz_RB 1,#RB L	Pass	0.86	20.14	0.10328	7	21.43	0.139	Inf	21.43
829MHz_RB 1,#RB M	Pass	0.86	20.16	0.10375	7	21.45	0.140	Inf	21.45
829MHz_RB 1,#RB H	Pass	0.86	20.16	0.10375	7	21.45	0.140	Inf	21.45
829MHz_RB 25,#RB L	Pass	0.86	20.12	0.10280	7	21.41	0.138	Inf	21.41
829MHz_RB 25,#RB M	Pass	0.86	20.26	0.10617	7	21.55	0.143	Inf	21.55
829MHz_RB 25,#RB H	Pass	0.86	20.21	0.10495	7	21.50	0.141	Inf	21.50
836.5MHz_RB 50,#RB 0	Pass	0.86	20.18	0.10423	7	21.47	0.140	Inf	21.47
836.5MHz_RB 1,#RB L	Pass	0.86	20.20	0.10471	7	21.49	0.141	Inf	21.49
836.5MHz_RB 1,#RB M	Pass	0.86	20.21	0.10495	7	21.50	0.141	Inf	21.50
836.5MHz_RB 1,#RB H	Pass	0.86	20.19	0.10447	7	21.48	0.141	Inf	21.48
836.5MHz_RB 25,#RB L	Pass	0.86	20.19	0.10447	7	21.48	0.141	Inf	21.48
836.5MHz_RB 25,#RB M	Pass	0.86	20.30	0.10715	7	21.59	0.144	Inf	21.59
836.5MHz_RB 25,#RB H	Pass	0.86	20.27	0.10641	7	21.56	0.143	Inf	21.56
844MHz_RB 50,#RB 0	Pass	0.86	20.33	0.10789	7	21.62	0.145	Inf	21.62
844MHz_RB 1,#RB L	Pass	0.86	20.22	0.10520	7	21.51	0.142	Inf	21.51
844MHz_RB 1,#RB M	Pass	0.86	20.31	0.10740	7	21.60	0.145	Inf	21.60
844MHz_RB 1,#RB H	Pass	0.86	20.28	0.10666	7	21.57	0.144	Inf	21.57
844MHz_RB 25,#RB L	Pass	0.86	20.25	0.10593	7	21.54	0.143	Inf	21.54
844MHz_RB 25,#RB M	Pass	0.86	20.32	0.10765	7	21.61	0.145	Inf	21.61
844MHz_RB 25,#RB H	Pass	0.86	20.32	0.10765	7	21.61	0.145	Inf	21.61
Band 5_LTE_10MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
829MHz_RB 50,#RB 0	Pass	0.86	19.22	0.08356	7	20.51	0.112	Inf	20.51
829MHz_RB 1,#RB L	Pass	0.86	20.45	0.11092	7	21.74	0.149	Inf	21.74
829MHz_RB 1,#RB M	Pass	0.86	20.47	0.11143	7	21.76	0.150	Inf	21.76
829MHz_RB 1,#RB H	Pass	0.86	20.52	0.11272	7	21.81	0.152	Inf	21.81
829MHz_RB 25,#RB L	Pass	0.86	19.17	0.08260	7	20.46	0.111	Inf	20.46
829MHz_RB 25,#RB M	Pass	0.86	19.24	0.08395	7	20.53	0.113	Inf	20.53
829MHz_RB 25,#RB H	Pass	0.86	19.24	0.08395	7	20.53	0.113	Inf	20.53
836.5MHz_RB 50,#RB 0	Pass	0.86	19.23	0.08375	7	20.52	0.113	Inf	20.52
836.5MHz_RB 1,#RB L	Pass	0.86	20.53	0.11298	7	21.82	0.152	Inf	21.82
836.5MHz_RB 1,#RB M	Pass	0.86	20.55	0.11350	7	21.84	0.153	Inf	21.84
836.5MHz_RB 1,#RB H	Pass	0.86	20.57	0.11402	7	21.86	0.153	Inf	21.86
836.5MHz_RB 25,#RB L	Pass	0.86	19.17	0.08260	7	20.46	0.111	Inf	20.46
836.5MHz_RB 25,#RB M	Pass	0.86	19.29	0.08492	7	20.58	0.114	Inf	20.58
836.5MHz_RB 25,#RB H	Pass	0.86	19.31	0.08531	7	20.60	0.115	Inf	20.60
844MHz_RB 50,#RB 0	Pass	0.86	19.34	0.08590	7	20.63	0.116	Inf	20.63
844MHz_RB 1,#RB L	Pass	0.86	20.60	0.11482	7	21.89	0.155	Inf	21.89
844MHz_RB 1,#RB M	Pass	0.86	20.66	0.11641	7	21.95	0.157	Inf	21.95
844MHz_RB 1,#RB H	Pass	0.86	20.61	0.11508	7	21.90	0.155	Inf	21.90
844MHz_RB 25,#RB L	Pass	0.86	19.19	0.08299	7	20.48	0.112	Inf	20.48
844MHz_RB 25,#RB M	Pass	0.86	19.37	0.08650	7	20.66	0.116	Inf	20.66
844MHz_RB 25,#RB H	Pass	0.86	19.37	0.08650	7	20.66	0.116	Inf	20.66
Band 5_LTE_10MHz_Nss1,64QAM_1TX	-	-	-	-	-	-	-	-	-
829MHz_RB 50,#RB 0	Pass	0.86	19.22	0.08356	7	20.51	0.112	Inf	20.51
829MHz_RB 1,#RB L	Pass	0.86	20.20	0.10471	7	21.49	0.141	Inf	21.49
829MHz_RB 1,#RB M	Pass	0.86	20.08	0.10186	7	21.37	0.137	Inf	21.37
829MHz_RB 1,#RB H	Pass	0.86	20.22	0.10520	7	21.51	0.142	Inf	21.51



Mode	Result	DG (dBi)	EIRP/ERP (dBm)	EIRP/ERP (W)	EIRP/ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
829MHz_RB 25,#RB L	Pass	0.86	19.14	0.08204	7	20.43	0.110	Inf	20.43
829MHz_RB 25,#RB M	Pass	0.86	19.26	0.08433	7	20.55	0.114	Inf	20.55
829MHz_RB 25,#RB H	Pass	0.86	19.26	0.08433	7	20.55	0.114	Inf	20.55
836.5MHz_RB 50,#RB 0	Pass	0.86	19.21	0.08337	7	20.50	0.112	Inf	20.50
836.5MHz_RB 1,#RB L	Pass	0.86	20.31	0.10740	7	21.60	0.145	Inf	21.60
836.5MHz_RB 1,#RB M	Pass	0.86	20.30	0.10715	7	21.59	0.144	Inf	21.59
836.5MHz_RB 1,#RB H	Pass	0.86	20.35	0.10839	7	21.64	0.146	Inf	21.64
836.5MHz_RB 25,#RB L	Pass	0.86	19.19	0.08299	7	20.48	0.112	Inf	20.48
836.5MHz_RB 25,#RB M	Pass	0.86	19.30	0.08511	7	20.59	0.115	Inf	20.59
836.5MHz_RB 25,#RB H	Pass	0.86	19.31	0.08531	7	20.60	0.115	Inf	20.60
844MHz_RB 50,#RB 0	Pass	0.86	19.34	0.08590	7	20.63	0.116	Inf	20.63
844MHz_RB 1,#RB L	Pass	0.86	20.46	0.11117	7	21.75	0.150	Inf	21.75
844MHz_RB 1,#RB M	Pass	0.86	20.37	0.10889	7	21.66	0.147	Inf	21.66
844MHz_RB 1,#RB H	Pass	0.86	20.38	0.10914	7	21.67	0.147	Inf	21.67
844MHz_RB 25,#RB L	Pass	0.86	19.25	0.08414	7	20.54	0.113	Inf	20.54
844MHz_RB 25,#RB M	Pass	0.86	19.33	0.08570	7	20.62	0.115	Inf	20.62
844MHz_RB 25,#RB H	Pass	0.86	19.32	0.08551	7	20.61	0.115	Inf	20.61
Band 12_LTE_1.4MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
699.7MHz_RB 6,#RB 0	Pass	-0.81	18.24	0.06668	3	21.20	0.132	Inf	21.20
699.7MHz_RB 1,#RB L	Pass	-0.81	18.22	0.06637	3	21.18	0.131	Inf	21.18
699.7MHz_RB 1,#RB M	Pass	-0.81	18.25	0.06683	3	21.21	0.132	Inf	21.21
699.7MHz_RB 1,#RB H	Pass	-0.81	18.16	0.06546	3	21.12	0.129	Inf	21.12
699.7MHz_RB 3,#RB L	Pass	-0.81	18.24	0.06668	3	21.20	0.132	Inf	21.20
699.7MHz_RB 3,#RB M	Pass	-0.81	18.30	0.06761	3	21.26	0.134	Inf	21.26
699.7MHz_RB 3,#RB H	Pass	-0.81	18.25	0.06683	3	21.21	0.132	Inf	21.21
707.5MHz_RB 6,#RB 0	Pass	-0.81	18.18	0.06577	3	21.14	0.130	Inf	21.14
707.5MHz_RB 1,#RB L	Pass	-0.81	18.22	0.06637	3	21.18	0.131	Inf	21.18
707.5MHz_RB 1,#RB M	Pass	-0.81	18.27	0.06714	3	21.23	0.133	Inf	21.23
707.5MHz_RB 1,#RB H	Pass	-0.81	18.21	0.06622	3	21.17	0.131	Inf	21.17
707.5MHz_RB 3,#RB L	Pass	-0.81	18.27	0.06714	3	21.23	0.133	Inf	21.23
707.5MHz_RB 3,#RB M	Pass	-0.81	18.29	0.06745	3	21.25	0.133	Inf	21.25
707.5MHz_RB 3,#RB H	Pass	-0.81	18.27	0.06714	3	21.23	0.133	Inf	21.23
715.3MHz_RB 6,#RB 0	Pass	-0.81	18.23	0.06653	3	21.19	0.132	Inf	21.19
715.3MHz_RB 1,#RB L	Pass	-0.81	18.23	0.06653	3	21.19	0.132	Inf	21.19
715.3MHz_RB 1,#RB M	Pass	-0.81	18.18	0.06577	3	21.14	0.130	Inf	21.14
715.3MHz_RB 1,#RB H	Pass	-0.81	18.17	0.06561	3	21.13	0.130	Inf	21.13
715.3MHz_RB 3,#RB L	Pass	-0.81	18.19	0.06592	3	21.15	0.130	Inf	21.15
715.3MHz_RB 3,#RB M	Pass	-0.81	18.25	0.06683	3	21.21	0.132	Inf	21.21
715.3MHz_RB 3,#RB H	Pass	-0.81	18.26	0.06699	3	21.22	0.132	Inf	21.22
Band 12_LTE_1.4MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
699.7MHz_RB 6,#RB 0	Pass	-0.81	17.30	0.05370	3	20.26	0.106	Inf	20.26
699.7MHz_RB 1,#RB L	Pass	-0.81	18.58	0.07211	3	21.54	0.143	Inf	21.54
699.7MHz_RB 1,#RB M	Pass	-0.81	18.52	0.07112	3	21.48	0.141	Inf	21.48
699.7MHz_RB 1,#RB H	Pass	-0.81	18.44	0.06982	3	21.40	0.138	Inf	21.40
699.7MHz_RB 3,#RB L	Pass	-0.81	18.46	0.07015	3	21.42	0.139	Inf	21.42
699.7MHz_RB 3,#RB M	Pass	-0.81	18.31	0.06776	3	21.27	0.134	Inf	21.27
699.7MHz_RB 3,#RB H	Pass	-0.81	18.30	0.06761	3	21.26	0.134	Inf	21.26
707.5MHz_RB 6,#RB 0	Pass	-0.81	17.26	0.05321	3	20.22	0.105	Inf	20.22
707.5MHz_RB 1,#RB L	Pass	-0.81	18.58	0.07211	3	21.54	0.143	Inf	21.54
707.5MHz_RB 1,#RB M	Pass	-0.81	18.61	0.07261	3	21.57	0.144	Inf	21.57
707.5MHz_RB 1,#RB H	Pass	-0.81	18.54	0.07145	3	21.50	0.141	Inf	21.50
707.5MHz_RB 3,#RB L	Pass	-0.81	18.41	0.06934	3	21.37	0.137	Inf	21.37
707.5MHz_RB 3,#RB M	Pass	-0.81	18.42	0.06950	3	21.38	0.137	Inf	21.38
707.5MHz_RB 3,#RB H	Pass	-0.81	18.45	0.06998	3	21.41	0.138	Inf	21.41
715.3MHz_RB 6,#RB 0	Pass	-0.81	17.35	0.05433	3	20.31	0.107	Inf	20.31
715.3MHz_RB 1,#RB L	Pass	-0.81	18.61	0.07261	3	21.57	0.144	Inf	21.57
715.3MHz_RB 1,#RB M	Pass	-0.81	18.48	0.07047	3	21.44	0.139	Inf	21.44
715.3MHz_RB 1,#RB H	Pass	-0.81	18.41	0.06934	3	21.37	0.137	Inf	21.37
715.3MHz_RB 3,#RB L	Pass	-0.81	18.33	0.06808	3	21.29	0.135	Inf	21.29
715.3MHz_RB 3,#RB M	Pass	-0.81	18.42	0.06950	3	21.38	0.137	Inf	21.38
715.3MHz_RB 3,#RB H	Pass	-0.81	18.34	0.06823	3	21.30	0.135	Inf	21.30
Band 12_LTE_1.4MHz_Nss1,64QAM_1TX	-	-	-	-	-	-	-	-	-



Mode	Result	DG (dBi)	EIRP/ERP (dBm)	EIRP/ERP (W)	EIRP/ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
699.7MHz_RB 6,#RB 0	Pass	-0.81	17.27	0.05333	3	20.23	0.105	Inf	20.23
699.7MHz_RB 1,#RB L	Pass	-0.81	18.26	0.06699	3	21.22	0.132	Inf	21.22
699.7MHz_RB 1,#RB M	Pass	-0.81	18.31	0.06776	3	21.27	0.134	Inf	21.27
699.7MHz_RB 1,#RB H	Pass	-0.81	18.15	0.06531	3	21.11	0.129	Inf	21.11
699.7MHz_RB 3,#RB L	Pass	-0.81	18.29	0.06745	3	21.25	0.133	Inf	21.25
699.7MHz_RB 3,#RB M	Pass	-0.81	18.31	0.06776	3	21.27	0.134	Inf	21.27
699.7MHz_RB 3,#RB H	Pass	-0.81	18.26	0.06699	3	21.22	0.132	Inf	21.22
707.5MHz_RB 6,#RB 0	Pass	-0.81	17.17	0.05212	3	20.13	0.103	Inf	20.13
707.5MHz_RB 1,#RB L	Pass	-0.81	18.33	0.06808	3	21.29	0.135	Inf	21.29
707.5MHz_RB 1,#RB M	Pass	-0.81	18.41	0.06934	3	21.37	0.137	Inf	21.37
707.5MHz_RB 1,#RB H	Pass	-0.81	18.37	0.06871	3	21.33	0.136	Inf	21.33
707.5MHz_RB 3,#RB L	Pass	-0.81	18.25	0.06683	3	21.21	0.132	Inf	21.21
707.5MHz_RB 3,#RB M	Pass	-0.81	18.27	0.06714	3	21.23	0.133	Inf	21.23
707.5MHz_RB 3,#RB H	Pass	-0.81	18.26	0.06699	3	21.22	0.132	Inf	21.22
715.3MHz_RB 6,#RB 0	Pass	-0.81	17.27	0.05333	3	20.23	0.105	Inf	20.23
715.3MHz_RB 1,#RB L	Pass	-0.81	18.22	0.06637	3	21.18	0.131	Inf	21.18
715.3MHz_RB 1,#RB M	Pass	-0.81	18.36	0.06855	3	21.32	0.136	Inf	21.32
715.3MHz_RB 1,#RB H	Pass	-0.81	18.30	0.06761	3	21.26	0.134	Inf	21.26
715.3MHz_RB 3,#RB L	Pass	-0.81	18.29	0.06745	3	21.25	0.133	Inf	21.25
715.3MHz_RB 3,#RB M	Pass	-0.81	18.25	0.06683	3	21.21	0.132	Inf	21.21
715.3MHz_RB 3,#RB H	Pass	-0.81	18.30	0.06761	3	21.26	0.134	Inf	21.26
Band 12_LTE_3MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
700.5MHz_RB 15,#RB 0	Pass	-0.81	19.09	0.08110	3	22.05	0.160	Inf	22.05
700.5MHz_RB 1,#RB L	Pass	-0.81	19.16	0.08241	3	22.12	0.163	Inf	22.12
700.5MHz_RB 1,#RB M	Pass	-0.81	20.16	0.10375	3	23.12	0.205	Inf	23.12
700.5MHz_RB 1,#RB H	Pass	-0.81	19.63	0.09183	3	22.59	0.182	Inf	22.59
700.5MHz_RB 8,#RB L	Pass	-0.81	18.63	0.07295	3	21.59	0.144	Inf	21.59
700.5MHz_RB 8,#RB M	Pass	-0.81	19.34	0.08590	3	22.30	0.170	Inf	22.30
700.5MHz_RB 8,#RB H	Pass	-0.81	19.08	0.08091	3	22.04	0.160	Inf	22.04
707.5MHz_RB 15,#RB 0	Pass	-0.81	18.98	0.07907	3	21.94	0.156	Inf	21.94
707.5MHz_RB 1,#RB L	Pass	-0.81	19.09	0.08110	3	22.05	0.160	Inf	22.05
707.5MHz_RB 1,#RB M	Pass	-0.81	18.98	0.07907	3	21.94	0.156	Inf	21.94
707.5MHz_RB 1,#RB H	Pass	-0.81	19.48	0.08872	3	22.44	0.175	Inf	22.44
707.5MHz_RB 8,#RB L	Pass	-0.81	19.40	0.08710	3	22.36	0.172	Inf	22.36
707.5MHz_RB 8,#RB M	Pass	-0.81	19.55	0.09016	3	22.51	0.178	Inf	22.51
707.5MHz_RB 8,#RB H	Pass	-0.81	18.98	0.07907	3	21.94	0.156	Inf	21.94
714.5MHz_RB 15,#RB 0	Pass	-0.81	18.90	0.07762	3	21.86	0.153	Inf	21.86
714.5MHz_RB 1,#RB L	Pass	-0.81	19.10	0.08128	3	22.06	0.161	Inf	22.06
714.5MHz_RB 1,#RB M	Pass	-0.81	19.16	0.08241	3	22.12	0.163	Inf	22.12
714.5MHz_RB 1,#RB H	Pass	-0.81	18.79	0.07568	3	21.75	0.150	Inf	21.75
714.5MHz_RB 8,#RB L	Pass	-0.81	18.73	0.07464	3	21.69	0.148	Inf	21.69
714.5MHz_RB 8,#RB M	Pass	-0.81	18.88	0.07727	3	21.84	0.153	Inf	21.84
714.5MHz_RB 8,#RB H	Pass	-0.81	19.32	0.08551	3	22.28	0.169	Inf	22.28
Band 12_LTE_3MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
700.5MHz_RB 15,#RB 0	Pass	-0.81	19.38	0.08670	3	22.34	0.171	Inf	22.34
700.5MHz_RB 1,#RB L	Pass	-0.81	18.98	0.07907	3	21.94	0.156	Inf	21.94
700.5MHz_RB 1,#RB M	Pass	-0.81	18.92	0.07798	3	21.88	0.154	Inf	21.88
700.5MHz_RB 1,#RB H	Pass	-0.81	19.38	0.08670	3	22.34	0.171	Inf	22.34
700.5MHz_RB 8,#RB L	Pass	-0.81	19.16	0.08241	3	22.12	0.163	Inf	22.12
700.5MHz_RB 8,#RB M	Pass	-0.81	19.60	0.09120	3	22.56	0.180	Inf	22.56
700.5MHz_RB 8,#RB H	Pass	-0.81	19.45	0.08810	3	22.41	0.174	Inf	22.41
707.5MHz_RB 15,#RB 0	Pass	-0.81	19.09	0.08110	3	22.05	0.160	Inf	22.05
707.5MHz_RB 1,#RB L	Pass	-0.81	18.80	0.07586	3	21.76	0.150	Inf	21.76
707.5MHz_RB 1,#RB M	Pass	-0.81	18.72	0.07447	3	21.68	0.147	Inf	21.68
707.5MHz_RB 1,#RB H	Pass	-0.81	19.11	0.08147	3	22.07	0.161	Inf	22.07
707.5MHz_RB 8,#RB L	Pass	-0.81	18.71	0.07430	3	21.67	0.147	Inf	21.67
707.5MHz_RB 8,#RB M	Pass	-0.81	18.90	0.07762	3	21.86	0.153	Inf	21.86
707.5MHz_RB 8,#RB H	Pass	-0.81	18.76	0.07516	3	21.72	0.149	Inf	21.72
714.5MHz_RB 15,#RB 0	Pass	-0.81	18.73	0.07464	3	21.69	0.148	Inf	21.69
714.5MHz_RB 1,#RB L	Pass	-0.81	18.55	0.07161	3	21.51	0.142	Inf	21.51
714.5MHz_RB 1,#RB M	Pass	-0.81	18.59	0.07228	3	21.55	0.143	Inf	21.55
714.5MHz_RB 1,#RB H	Pass	-0.81	18.43	0.06966	3	21.39	0.138	Inf	21.39



Mode	Result	DG (dBi)	EIRP/ERP (dBm)	EIRP/ERP (W)	EIRP/ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
714.5MHz_RB 8,#RB L	Pass	-0.81	18.98	0.07907	3	21.94	0.156	Inf	21.94
714.5MHz_RB 8,#RB M	Pass	-0.81	19.09	0.08110	3	22.05	0.160	Inf	22.05
714.5MHz_RB 8,#RB H	Pass	-0.81	19.36	0.08630	3	22.32	0.171	Inf	22.32
Band 12_LTE_3MHz_Nss1,64QAM_1TX	-	-	-	-	-	-	-	-	-
700.5MHz_RB 15,#RB 0	Pass	-0.81	19.16	0.08241	3	22.12	0.163	Inf	22.12
700.5MHz_RB 1,#RB L	Pass	-0.81	19.12	0.08166	3	22.08	0.161	Inf	22.08
700.5MHz_RB 1,#RB M	Pass	-0.81	19.29	0.08492	3	22.25	0.168	Inf	22.25
700.5MHz_RB 1,#RB H	Pass	-0.81	20.01	0.10023	3	22.97	0.198	Inf	22.97
700.5MHz_RB 8,#RB L	Pass	-0.81	19.70	0.09333	3	22.66	0.185	Inf	22.66
700.5MHz_RB 8,#RB M	Pass	-0.81	18.98	0.07907	3	21.94	0.156	Inf	21.94
700.5MHz_RB 8,#RB H	Pass	-0.81	19.09	0.08110	3	22.05	0.160	Inf	22.05
707.5MHz_RB 15,#RB 0	Pass	-0.81	18.72	0.07447	3	21.68	0.147	Inf	21.68
707.5MHz_RB 1,#RB L	Pass	-0.81	18.83	0.07638	3	21.79	0.151	Inf	21.79
707.5MHz_RB 1,#RB M	Pass	-0.81	19.08	0.08091	3	22.04	0.160	Inf	22.04
707.5MHz_RB 1,#RB H	Pass	-0.81	19.21	0.08337	3	22.17	0.165	Inf	22.17
707.5MHz_RB 8,#RB L	Pass	-0.81	19.39	0.08690	3	22.35	0.172	Inf	22.35
707.5MHz_RB 8,#RB M	Pass	-0.81	19.55	0.09016	3	22.51	0.178	Inf	22.51
707.5MHz_RB 8,#RB H	Pass	-0.81	19.10	0.08128	3	22.06	0.161	Inf	22.06
714.5MHz_RB 15,#RB 0	Pass	-0.81	18.98	0.07907	3	21.94	0.156	Inf	21.94
714.5MHz_RB 1,#RB L	Pass	-0.81	18.93	0.07816	3	21.89	0.155	Inf	21.89
714.5MHz_RB 1,#RB M	Pass	-0.81	19.16	0.08241	3	22.12	0.163	Inf	22.12
714.5MHz_RB 1,#RB H	Pass	-0.81	18.98	0.07907	3	21.94	0.156	Inf	21.94
714.5MHz_RB 8,#RB L	Pass	-0.81	19.62	0.09162	3	22.58	0.181	Inf	22.58
714.5MHz_RB 8,#RB M	Pass	-0.81	19.21	0.08337	3	22.17	0.165	Inf	22.17
714.5MHz_RB 8,#RB H	Pass	-0.81	19.11	0.08147	3	22.07	0.161	Inf	22.07
Band 12_LTE_5MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
701.5MHz_RB 25,#RB 0	Pass	-0.81	19.71	0.09354	3	22.67	0.185	Inf	22.67
701.5MHz_RB 1,#RB L	Pass	-0.81	19.55	0.09016	3	22.51	0.178	Inf	22.51
701.5MHz_RB 1,#RB M	Pass	-0.81	19.51	0.08933	3	22.47	0.177	Inf	22.47
701.5MHz_RB 1,#RB H	Pass	-0.81	19.38	0.08670	3	22.34	0.171	Inf	22.34
701.5MHz_RB 12,#RB L	Pass	-0.81	19.25	0.08414	3	22.21	0.166	Inf	22.21
701.5MHz_RB 12,#RB M	Pass	-0.81	19.02	0.07980	3	21.98	0.158	Inf	21.98
701.5MHz_RB 12,#RB H	Pass	-0.81	18.79	0.07568	3	21.75	0.150	Inf	21.75
707.5MHz_RB 25,#RB 0	Pass	-0.81	19.16	0.08241	3	22.12	0.163	Inf	22.12
707.5MHz_RB 1,#RB L	Pass	-0.81	19.03	0.07998	3	21.99	0.158	Inf	21.99
707.5MHz_RB 1,#RB M	Pass	-0.81	19.18	0.08279	3	22.14	0.164	Inf	22.14
707.5MHz_RB 1,#RB H	Pass	-0.81	19.09	0.08110	3	22.05	0.160	Inf	22.05
707.5MHz_RB 12,#RB L	Pass	-0.81	18.98	0.07907	3	21.94	0.156	Inf	21.94
707.5MHz_RB 12,#RB M	Pass	-0.81	18.93	0.07816	3	21.89	0.155	Inf	21.89
707.5MHz_RB 12,#RB H	Pass	-0.81	18.81	0.07603	3	21.77	0.150	Inf	21.77
713.5MHz_RB 25,#RB 0	Pass	-0.81	18.63	0.07295	3	21.59	0.144	Inf	21.59
713.5MHz_RB 1,#RB L	Pass	-0.81	18.71	0.07430	3	21.67	0.147	Inf	21.67
713.5MHz_RB 1,#RB M	Pass	-0.81	18.82	0.07621	3	21.78	0.151	Inf	21.78
713.5MHz_RB 1,#RB H	Pass	-0.81	19.09	0.08110	3	22.05	0.160	Inf	22.05
713.5MHz_RB 12,#RB L	Pass	-0.81	18.82	0.07621	3	21.78	0.151	Inf	21.78
713.5MHz_RB 12,#RB M	Pass	-0.81	18.72	0.07447	3	21.68	0.147	Inf	21.68
713.5MHz_RB 12,#RB H	Pass	-0.81	18.63	0.07295	3	21.59	0.144	Inf	21.59
Band 12_LTE_5MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
701.5MHz_RB 25,#RB 0	Pass	-0.81	18.09	0.06442	3	21.05	0.127	Inf	21.05
701.5MHz_RB 1,#RB L	Pass	-0.81	18.71	0.07430	3	21.67	0.147	Inf	21.67
701.5MHz_RB 1,#RB M	Pass	-0.81	18.51	0.07096	3	21.47	0.140	Inf	21.47
701.5MHz_RB 1,#RB H	Pass	-0.81	18.32	0.06792	3	21.28	0.134	Inf	21.28
701.5MHz_RB 12,#RB L	Pass	-0.81	18.42	0.06950	3	21.38	0.137	Inf	21.38
701.5MHz_RB 12,#RB M	Pass	-0.81	18.72	0.07447	3	21.68	0.147	Inf	21.68
701.5MHz_RB 12,#RB H	Pass	-0.81	17.98	0.06281	3	20.94	0.124	Inf	20.94
707.5MHz_RB 25,#RB 0	Pass	-0.81	18.65	0.07328	3	21.61	0.145	Inf	21.61
707.5MHz_RB 1,#RB L	Pass	-0.81	18.16	0.06546	3	21.12	0.129	Inf	21.12
707.5MHz_RB 1,#RB M	Pass	-0.81	18.98	0.07907	3	21.94	0.156	Inf	21.94
707.5MHz_RB 1,#RB H	Pass	-0.81	19.08	0.08091	3	22.04	0.160	Inf	22.04
707.5MHz_RB 12,#RB L	Pass	-0.81	18.62	0.07278	3	21.58	0.144	Inf	21.58
707.5MHz_RB 12,#RB M	Pass	-0.81	18.38	0.06887	3	21.34	0.136	Inf	21.34
707.5MHz_RB 12,#RB H	Pass	-0.81	18.44	0.06982	3	21.40	0.138	Inf	21.40