Test Report No:
24B0417R-RFUSV22S-A

TEST REPORT
FCC Rules&Regulations

Product Name	Guardian Generation 3.1
Brand Name	Seeing Machines Limited
Model No.	1003100
FCC ID	W5Y-1003100
Applicant´s Name / Address	Seeing Machines Limited 28345 Beck Rd suite 310 Wixom, Detroit Michigan, United States 48393
Manufacturer's Name / Address	Seeing Machines Limited 28345 Beck Rd suite 310 Wixom, Detroit Michigan, United States 48393
Test Method Requested, Standard	FCC CFR Title 47 Part 22 Subpart H FCC CFR Title 47 Part 24 Subpart E FCC CFR Title 47 Part 27 Subpart F, Subpart L, Subpart M FCC CFR Title 47 Part 90 Subpart S ANSI/TIA-603-E-2016 ANSI C63.26-2015
Verdict Summary	IN COMPLIANCE
Documented By	Amelia Wu
Approved By	Allen Lin
Date of Receipt	Nov. 12, 2024
Date of Issue	Feb. 06, 2025
Report Version	V1.0

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Competences and Guarantees

DEKRA is a testing laboratory competent to carry out the tests described in this report.
In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

General Conditions

1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	Feb. 06, 2025

Summary of Test Result

Report Clause	Test Items	Band	Ref Std. Clause	Limit	Result (PASS/FAIL)	Remark
3	RF Output Power	2, 25	§2.1033 §2.1046 §24.232	< 2 Watts	PASS	-
		4, 66	§2.1033 §2.1046 §27.50	< 1 Watts	PASS	-
		5	§2.1033 §2.1046 §22.913	< 7 Watts ERP	PASS	-
		41	§2.1033 §2.1046 §27.50	< 2 Watts	PASS	-
		12, 13	§2.1033 §2.1046 §27.50	< 3 Watts ERP	PASS	-
		26	§2.1033 §2.1046 §90.635(b) §22.913	< 100 Watts	PASS	-
4	Occupied Bandwidth	2, 4, 5, 12, 13, 25, 26, 41, 66	§2.1049	N/A	PASS	-
5	Peak to Average Power Ratio	2, 25	§24.232	≦ 13 dB	PASS	-
		4, 12, 13, 41, 66	§27.50	≦ 13 dB	PASS	-
		5, 26	§22.913	≦ 13 dB	PASS	-
6	Spurious Emission	2	§2.1053 §24.238	< -13 dBm	PASS	-
		4, 12, 66	§27.53	< -13 dBm	PASS	-
		5	§22.917	< -13 dBm	PASS	-
		13	§27.53	< -13 dBm < −70 dBW/MHz e.i.r.p. of all emissions, including harmonics in the band 1559-1610 MHz	PASS	-
		25	§27.238	< -13 dBm	PASS	-
		26	§90.691 §22.917	< -13 dBm	PASS	-
		41	§27.53	-25 dBm	PASS	-

7	Conducted Band Edge	2	§24.238	< -13 dBm	PASS	-
		4, 12, 66	§2.1053 §27.53	< -13 dBm	PASS	-
		5	§2.1053 §22.917	< -13 dBm	PASS	-
		41	§2.1053 §27.53	< 5 MHz: -10 dBm 5 MHz-X MHz: -13 dBm>X MHz: -25 dBm	PASS	-
		13	§2.1053 §27.53	< -13 dBm < -35 dBm (763-775 MHz & 793-805 MHz)	PASS	-
		25	§2.1053 §24.238	< -13 dBm	PASS	-
		26	§2.1053 §90.691 §22.917	< -13 dBm	PASS	-
8	Frequency Stability	2, 25,	§2.1055 §24.235	± 2.5 ppm	PASS	-
		4, 12, 13, 41, 66	§2.1055 §27.54	± 2.5 ppm	PASS	-
		5	§2.1055 §22.335	± 2.5 ppm	PASS	-
		26	§2.1055 §90.213	± 2.5 ppm	PASS	-
EUT contains a certified WLAN module (FCC ID: W5Y-MAYA-W16).						

Comments and Explanations
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Comments and Remarks

The product specification and testing instructions for the EUT declared in the report are provided by the manufacturer who will take all responsibilities for the accuracy.

1. General Information

1.1. EUT Description

Uplink Frequency Range (MHz)	LTE Band 2: 1850~1910 LTE Band 4: 1710~1755 LTE Band 5: 824~849 LTE Band 12: 699~716 LTE Band 13: 777~787 LTE Band 25: 1850~1915 LTE Band 26: 814~849 LTE Band 41: 2496~2690 LTE Band 66: 1710~1780
Downlink Frequency Range (MHz)	LTE Band 2: 1930~1990 LTE Band 4: 2110~2115 LTE Band 5: 869~894 LTE Band 12: 729~746 LTE Band 13: 746~756 LTE Band 25: 1930~1995 LTE Band 26: 859~894 LTE Band 41: 2496~2690 LTE Band 66: 2110~2200
Bandwidth (MHz)	LTE Band 2: 1.4 / 3 / 5 / 10 / 15 / 20 LTE Band 4: 1.4 / 3 / 5 / 10 / 15 / 20 LTE Band 5: 1.4 / 3 / 5 / 10 LTE Band 12: 1.4 / 3 / 5 / 10 LTE Band 13: 5 / 10 LTE Band 25: 1.4 / 3 / 5 / 10 / 15 / 20 LTE Band 26: 1.4 / 3 / 5 / 10 / 15 LTE Band 41: 1.4 / 3 / 5 / 10 / 15 / 20 LTE Band 66: 1.4 / 3 / 5 / 10 / 15 / 20
Type of Modulation	QPSK / 16QAM
IMEI No.	862636053655500

Accessories Information			
No.	Equipment Name	Brand Name	Model No.
1	Guardian Vibration Motor	Seeing Machines Limited	1001157
2	Standard Cable Harness	Seeing Machines Limited	1002889

Antenna Information									
Ant.	Brand Name	Model No.	Type	Gain (dBi)					
				B2 / 25	B4 / 66	B5 / 26	B12	B13	B41
1	Quectel	YECA000G1AM-4RM VHA2A	External	0.4	0.4	1.3	1.9	1.9	-2.0

1.2. EUT Information

EUT Power Type	From DC power supply
Hardware Version	01
Software Version	2.13.23

1.3. Testing Applied Standards

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

- FCC CFR Title 47 Part 22 Subpart H
- FCC CFR Title 47 Part 24 Subpart E
- FCC CFR Title 47 Part 27 Subpart F, Subpart L, Subpart M
- FCC CFR Title 47 Part 90 Subpart S
- ANSI/TIA-603-E (2016)
- ANSI C63.26-2015
- FCC KDB 971168 D01 v03r01

The following reference test guidance is not within the scope of accreditation of TAF.

- FCC KDB 412172 D01 v01r01
- FCC KDB 414788 D01 v01r01

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

1.4. Testing Location Information

Testing Location Information		
Test Laboratory：DEKRA Testing and Certification Co., Ltd.		
	1 (TAF: 3024)	ADD: No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. TEL: +886-3-582-8001 FAX: +886-3-582-8958 Test site Designation No. TW3024 with FCC. Conformity Assessment Body Identifier (CABID) TW3024 with ISED.
	2 (TAF: 3024)	ADD: No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. TEL: +886-3-582-8001 FAX: +886-3-582-8958 Test site Designation No. TW3024 with FCC. Conformity Assessment Body Identifier (CABID) TW3024 with ISED.
Test site number for address 1 includes HC-SR02. Test site number for address 2 includes HC-CB02, HC-CB03, HC-CB04, HC-SR10 and HC-SR12.		

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted Emission	HC-SR12	Max Chang	18~23 / 55~63	2024/12/05~2025/02/06
Radiated Emission	HC-CB02	Brook Cheng	21.6~23.3 / 55.3~56	2024/12/11~2024/12/12

1.5. Measurement Uncertainty

Uncertainties have been calculated according to the DEKRA internal document with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2).

Test Item	Uncertainty
RF Output Power	± 1.16 dB
Occupied Bandwidth	± 217.9 Hz
Peak to Average Power Ratio	± 2.47 dB
Spurious Emissions	± 3.52 dB below 1 GHz ± 3.56 dB above 1 GHz
Conducted Band Edge	± 2.47 dB
Frequency Stability	± 217.9 Hz

1.6. List of Test Equipment

HC-SR12

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101869	10Hz-40GHz	2024/06/20	2025/06/19
Temperature & Humidity Test Chamber	KSON	THS-B4T-150	A0401	'-40°C~+150° C/10%-98%R.H ；114x93x162cm	2024/12/03	2025/12/02
Wireless Conn. Tester	R&S	CMW500	157118	Simulator	2024/06/27	2025/06/26

HC-CB02

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	10 Hz-40 GHz	2024/10/04	2025/10/03
EXA Signal Analyzer	Keysight	N9010A	MY51440132	10 Hz-44 GHz	2024/12/10	2025/12/09
Trilog Broadband Antenna	Schwarzbeck	VULB 9168	1272	30 MHz-2 GHz	2024/04/29	2025/04/28
Horn Antenna	Schwarzbeck	BBHA 9170	203	18G-40GHz	2024/02/02	2025/02/01
Pre-Amplifier	EMCI	EMC01820I	980365	30M-8 GHz,20 dB	2024/04/02	2025/04/01
Pre-Amplifier	EMEC	EM01G18GA	060741	1G-18 GHz,50 dB	2024/04/23	2025/04/22
Pre-Amplifier	DEKRA	AP-400C	201801231	18G-40 GHz,48 dB	2024/10/15	2025/10/14
Wireless Conn. Tester	R&S	CMW500	157118	Simulator	2024/06/27	2025/06/26
EMI Test Receiver	R&S	ESR7	102260	10 Hz-7 GHz	2024/11/15	2025/11/14
Magnetic Loop Antenna	Teseq	HLA 6121	44287	0.01-30 MHz	2024/10/17	2025/10/16
Coaxial Cable	Huber+Suhner	SF104	HC-CB02	30 MHz-18 GHz, 13m	2024/08/13	2025/08/12
Coaxial Cable	Huber+Suhner, Rosnol	SF102_UP0264	HC-CB02-1	18-40 GHz, 3 m	2024/08/13	2025/08/12
Radiated Software	Audix	e3 V9	HC-CB02_1	N/A	N/A	N/A

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

2. Test Configuration of EUT

2.1. Test Condition

EUT Operational Condition			
Testing Voltage	Vnom (DC 18V)	Vmax (DC 12V)	Vmin (DC 9V)
Operational Climatic	Tnom (25℃)	Tmax (85℃)	Tmin (-40℃)

Note: The maximum operating ambient temperature at which the EUT can transmit is 85°C.

2.2. The Worst Case Measurement Configuration

Test Mode	Mode 1: LTE Band 2/25 Mode 2: LTE Band 4/66 Mode 3: LTE Band 5/26 (Part 22) Mode 4: LTE Band 12 Mode 5: LTE Band 13 Mode 6: LTE Band 26 (Part 90) Mode 7: LTE Band 41

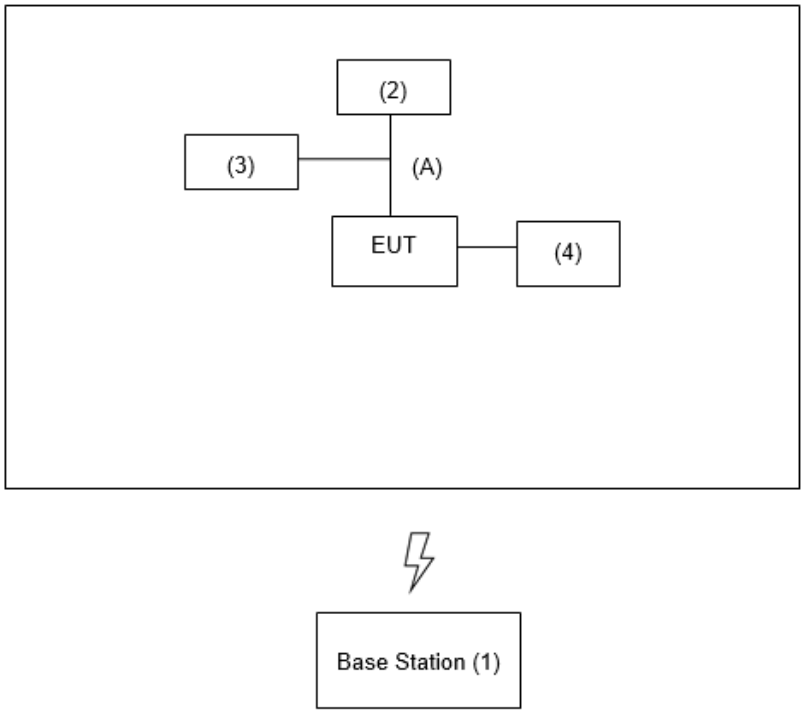
Note:
1. Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. The device was tested under all bandwidths, RB configurations and modulations.
   The worst case was found in “QPSK” and show in “Conducted Band Edge”.
   The worst case was found in “QPSK / 20 MHz / 1RB0” and show in “Spurious Emission”.
3. The EUT contains two WWAN functions.
4. LTE Band 2 is covered by LTE Band 25.
5. LTE Band 4 is covered by LTE Band 66.
6. LTE Band 5 is covered by LTE Band 26.
7. The EUT was performed at X axis, Y axis and Z axis position for radiated spurious emission test.
   The worst case was found at Y axis, so the measurement will follow this same test configuration.

2.3. Tested System Details

No.	Equipment	Brand Name	Model No.	Serial No.
1	Base Station	R&S	CMW500	106701
2	DC Power supply	Topward	6303D	809497
3	Guardian Vibration Motor	Seeing Machines Limited	1001157	N/A
4	External Antenna	Quectel	YECA000G1AM-4RMV HA2A	N/A

2.4. Configuration of Tested System

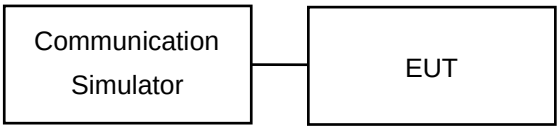
Connection Diagram



Signal Cable Type		Signal cable Description
A	Standard Cable Harness	Non-shielded, 2.6m

3. RF Output Power

3.1. Test Setup



3.2. Test Procedure

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum conducted RF output power under transmission mode and specific channel frequency. The relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$$ERP \text{ or } EIRP = P_{Meas} + G_T - L_C$$

where:

ERP or EIRP = effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as PMeas, typically dBW or dBm);

P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

G_T = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

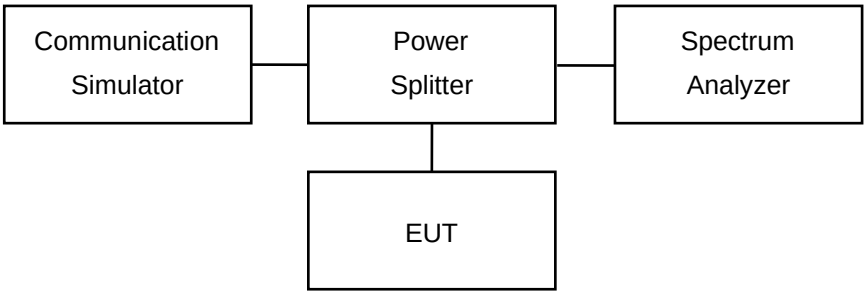
L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB

3.3. Test Result of RF Output Power

Refer as Appendix A

4. Occupied Bandwidth

4.1. Test Setup



4.2. Test Procedures

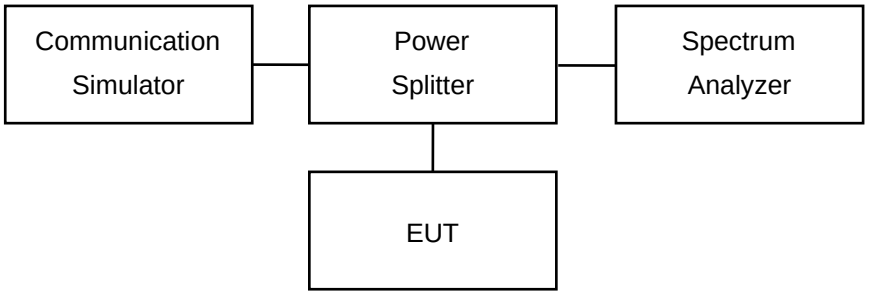
The EUT makes a call to the communication simulator. The 26dB bandwidth and 99% occupied bandwidth measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. The path loss was compensated to the results for each measurement.

4.3. Test Result of Occupied Bandwidth

Refer as Appendix B

5. Peak to Average Power Ratio

5.1. Test Setup



5.2. Test Procedure

1. The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. The path loss was compensated to the results for each measurement.
2. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth.
3. Set the number of counts to a value that stabilizes the measured CCDF curve.
4. Record the maximum PAPR level associated with a probability of 0.1 %.

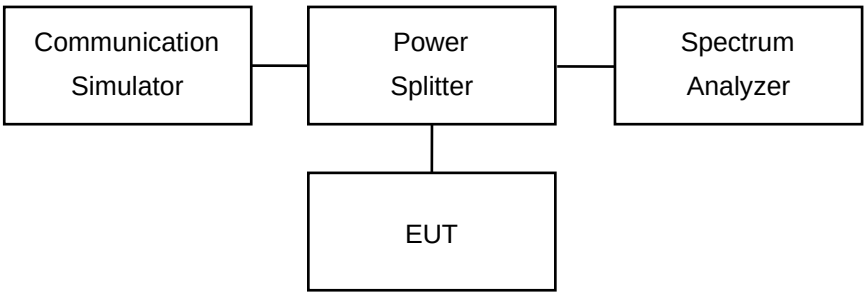
5.3. Test Result of Peak to Average Power Ratio

Refer as Appendix C

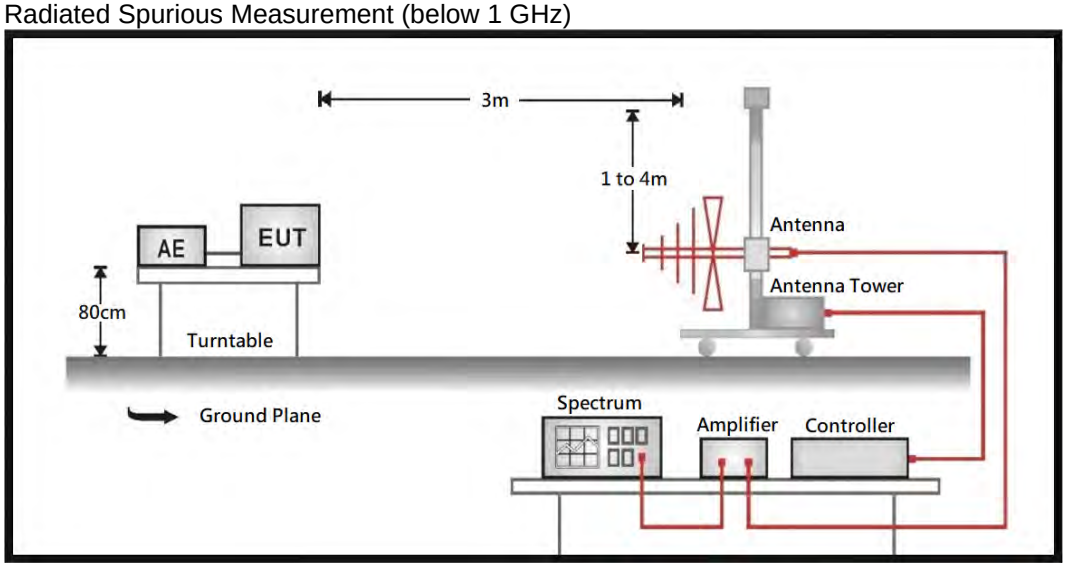
6. Spurious Emission

6.1. Test Setup

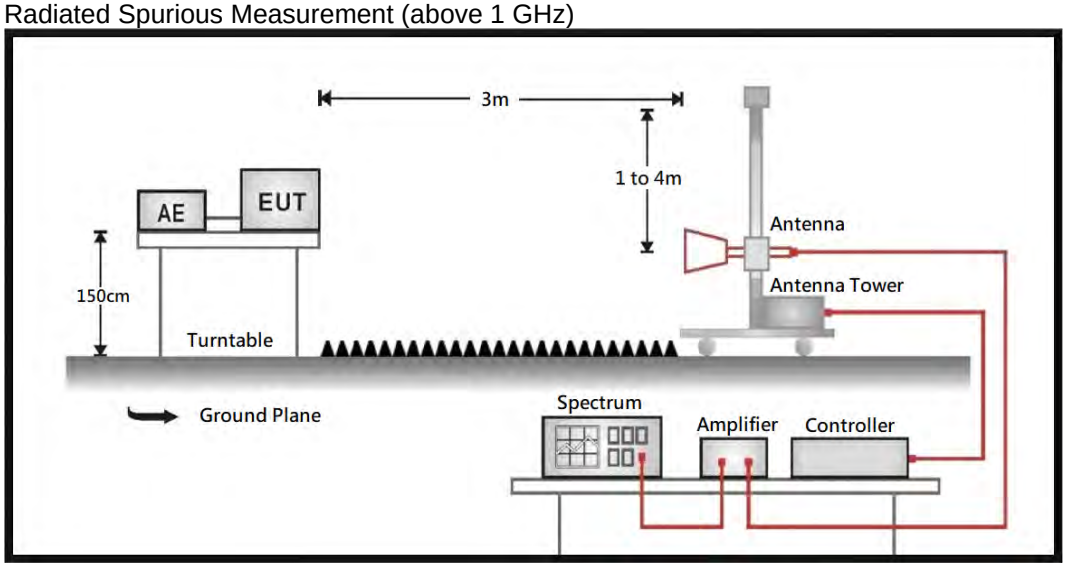
Conducted Spurious Measurement



Radiated Spurious Measurement (below 1 GHz)



Radiated Spurious Measurement (above 1 GHz)



6.2. Test Procedure

Conducted Spurious Measurement:

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. The path loss was compensated to the results for each measurement. The resolution bandwidth of the spectrum analyzer was set at 1 MHz, sufficient scans were taken to show the out of band Emission if any up to 10^{th} harmonic.

Radiated Spurious Measurement:

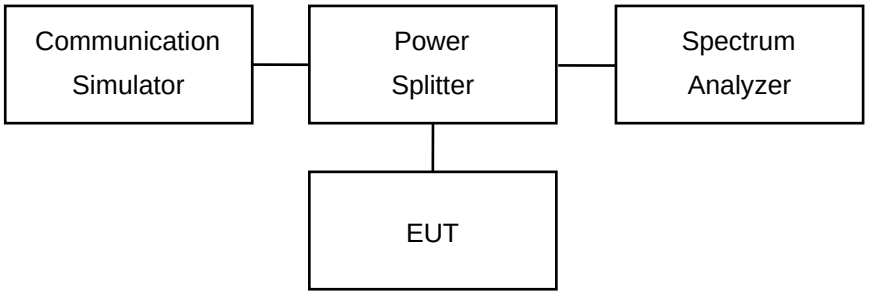
The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations. The resolution bandwidth of the spectrum analyzer was set at 1 MHz, sufficient scans were taken to show the out of band Emission if any up to 10th harmonic. Taking the record of maximum spurious emission.

6.3. Test Result of Spurious Emission

Refer as Appendix D

7. Conducted Band Edge

7.1. Test Setup



7.2. Test Procedure

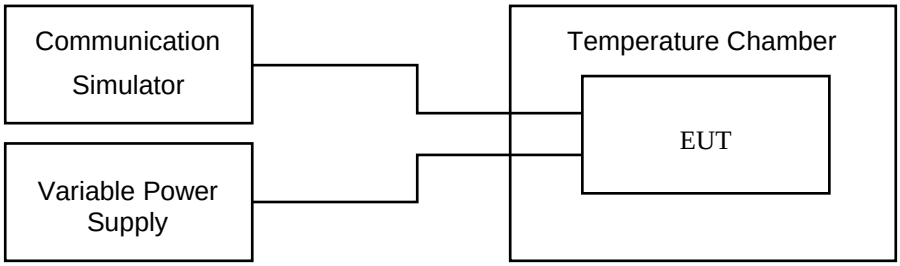
1. The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. The path loss was compensated to the results for each measurement.
2. In the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.

7.3. Test Result of Conducted Band Edge

Refer as Appendix E

8. Frequency Stability

8.1. Test Setup



8.2. Test Procedures

Frequency Stability under Temperature Variations:

The EUT under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a communication simulator. The EUT was placed inside the temperature chamber. Set the EUT 20℃ operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30℃. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10℃ increased per stage until the highest temperature of +50℃ reached.

Frequency Stability under Voltage Variations:

Set chamber temperature to 20℃. Use a variable AC or DC power supply to power the EUT and set the voltage to rated voltage. Reduce the input voltage to specify extreme voltage variation (±15%) and endpoint, record the maximum frequency change.

8.3. Test Result of Frequency Stability

Refer as Appendix F

Appendix A. Test Result of RF Output Power

Mode 1: LTE Band 2 / 25

Mode					Conducted Power		EIRP Power		Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	QPSK EIRP(W)	16-QAM EIRP(W)	Limit EIRP(W)
1.4	26047	1850.7	1	0	21.89	21.30	0.169	0.148	2
			1	2	22.76	21.33	0.207	0.149	2
			1	5	22.83	21.42	0.210	0.152	2
			6	0	22.71	21.47	0.205	0.154	2
	26365	1882.5	1	0	21.69	20.48	0.162	0.122	2
			1	2	22.58	21.66	0.199	0.161	2
			1	5	22.78	21.72	0.208	0.163	2
			6	0	22.62	21.53	0.200	0.156	2
	26683	1914.3	1	0	21.74	20.68	0.164	0.128	2
			1	2	22.16	20.90	0.180	0.135	2
			1	5	22.30	21.07	0.186	0.140	2
			6	0	22.24	21.16	0.184	0.143	2
3	26055	1851.5	1	0	21.28	20.05	0.147	0.111	2
			1	7	22.58	21.50	0.199	0.155	2
			1	14	22.87	21.59	0.212	0.158	2
			15	0	22.65	21.57	0.202	0.157	2
	26365	1882.5	1	0	21.62	20.63	0.159	0.127	2
			1	7	22.56	21.67	0.198	0.161	2
			1	14	22.82	21.69	0.210	0.162	2
			15	0	22.71	21.64	0.205	0.160	2
	26675	1913.5	1	0	21.67	20.62	0.161	0.126	2
			1	7	22.37	21.17	0.189	0.144	2
			1	14	22.74	21.42	0.206	0.152	2
			15	0	22.46	21.05	0.193	0.140	2

Note:

1. EIRP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi)

2. EIRP (W) = $(10^{(Power(dBm)/10)})*10^{-3}$

Mode					Conducted Power		EIRP Power		Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	QPSK EIRP(W)	16-QAM EIRP(W)	Limit EIRP(W)
5	26065	1852.5	1	0	21.34	20.27	0.149	0.117	2
			1	12	22.60	21.55	0.200	0.157	2
			1	24	22.88	21.73	0.213	0.163	2
			25	0	22.80	21.58	0.209	0.158	2
	26365	1882.5	1	0	21.64	20.59	0.160	0.126	2
			1	12	22.70	21.62	0.204	0.159	2
			1	24	22.87	21.66	0.212	0.161	2
			25	0	22.81	21.57	0.209	0.157	2
	26665	1912.5	1	0	21.69	20.66	0.162	0.128	2
			1	12	22.46	21.13	0.193	0.142	2
			1	24	22.68	21.11	0.203	0.142	2
			25	0	22.35	20.90	0.188	0.135	2
10	26090	1855	1	0	21.32	20.43	0.149	0.121	2
			1	24	22.70	21.73	0.204	0.163	2
			1	49	22.85	21.56	0.211	0.157	2
			50	0	22.70	21.52	0.204	0.156	2
	26365	1882.5	1	0	21.73	20.72	0.163	0.129	2
			1	24	22.86	21.73	0.212	0.163	2
			1	49	22.71	21.70	0.205	0.162	2
			50	0	22.68	21.69	0.203	0.162	2
	26640	1910	1	0	21.68	20.66	0.161	0.128	2
			1	24	22.46	21.06	0.193	0.140	2
			1	49	22.49	21.48	0.195	0.154	2
			50	0	22.48	21.19	0.194	0.144	2

Note:

1. EIRP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi)

2. EIRP (W) = $(10^{(Power(dBm)/10)})*10^{-3}$

Mode					Conducted Power		EIRP Power		Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	QPSK EIRP(W)	16-QAM EIRP(W)	Limit EIRP(W)
15	26115	1857.5	1	0	21.38	20.36	0.151	0.119	2
			1	37	22.71	21.32	0.205	0.149	2
			1	74	23.00	22.03	0.219	0.175	2
			75	0	22.84	21.59	0.211	0.158	2
	26365	1882.5	1	0	21.79	20.77	0.166	0.131	2
			1	37	22.96	21.73	0.217	0.163	2
			1	74	22.62	21.80	0.200	0.166	2
			75	0	22.54	21.54	0.197	0.156	2
	26615	1907.5	1	0	21.61	20.70	0.159	0.129	2
			1	37	22.48	21.48	0.194	0.154	2
			1	74	22.60	21.64	0.200	0.160	2
			75	0	22.40	21.08	0.191	0.141	2
20	26140	1860	1	0	21.35	20.33	0.150	0.118	2
			1	49	22.63	21.48	0.201	0.154	2
			1	99	22.75	21.80	0.207	0.166	2
			100	0	22.59	21.67	0.199	0.161	2
	26365	1882.5	1	0	21.69	20.65	0.162	0.127	2
			1	49	23.01	21.67	0.219	0.161	2
			1	99	22.69	21.74	0.204	0.164	2
			100	0	22.53	21.50	0.196	0.155	2
	26590	1905	1	0	21.69	20.57	0.162	0.125	2
			1	49	22.58	21.44	0.199	0.153	2
			1	99	22.42	21.44	0.191	0.153	2
			100	0	22.35	21.35	0.188	0.150	2

Note:

1. EIRP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi)

2. EIRP (W) = $(10^{(Power(dBm)/10)})*10^{-3}$

Mode 2: LTE Band 4 / 66

Mode					Conducted Power		EIRP Power		Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	QPSK EIRP(W)	16-QAM EIRP(W)	Limit EIRP(W)
1.4	131979	1710.7	1	0	21.27	21.49	0.147	0.155	1
			1	2	22.32	21.11	0.187	0.142	1
			1	5	22.41	21.38	0.191	0.151	1
			6	0	22.29	21.17	0.186	0.144	1
	132322	1745	1	0	21.30	20.22	0.148	0.115	1
			1	2	22.74	21.64	0.206	0.160	1
			1	5	22.75	21.79	0.207	0.166	1
			6	0	22.72	21.59	0.205	0.158	1
	132665	1779.3	1	0	21.78	20.64	0.165	0.127	1
			1	2	22.34	21.28	0.188	0.147	1
			1	5	22.42	21.27	0.191	0.147	1
			6	0	22.28	21.06	0.185	0.140	1
3	131987	1711.5	1	0	21.23	20.33	0.146	0.118	1
			1	7	22.25	21.06	0.184	0.140	1
			1	14	22.44	21.55	0.192	0.157	1
			15	0	22.32	21.34	0.187	0.149	1
	132322	1745	1	0	21.27	20.30	0.147	0.117	1
			1	7	22.60	21.57	0.200	0.157	1
			1	14	22.95	22.03	0.216	0.175	1
			15	0	22.74	21.55	0.206	0.157	1
	132657	1778.5	1	0	21.57	20.67	0.157	0.128	1
			1	7	22.40	21.17	0.191	0.144	1
			1	14	22.65	21.39	0.202	0.151	1
			15	0	22.31	21.26	0.187	0.147	1

Note:

1. EIRP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi)

2. EIRP (W) = $(10^{(Power(dBm)/10)})*10^{-3}$

Mode					Conducted Power		EIRP Power		Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	QPSK EIRP(W)	16-QAM EIRP(W)	Limit EIRP(W)
5	131997	1712.5	1	0	21.26	20.29	0.147	0.117	1
			1	12	22.25	21.26	0.184	0.147	1
			1	24	22.61	21.53	0.200	0.156	1
			25	0	22.29	21.24	0.186	0.146	1
	132322	1745	1	0	21.29	20.31	0.148	0.118	1
			1	12	22.58	21.41	0.199	0.152	1
			1	24	23.05	21.92	0.221	0.171	1
			25	0	22.77	21.38	0.207	0.151	1
	132647	1777.5	1	0	21.66	20.62	0.161	0.126	1
			1	12	22.39	20.99	0.190	0.138	1
			1	24	22.67	21.53	0.203	0.156	1
			25	0	22.26	21.13	0.185	0.142	1
10	132022	1715	1	0	21.29	20.29	0.148	0.117	1
			1	24	22.36	21.30	0.189	0.148	1
			1	49	22.48	21.56	0.194	0.157	1
			50	0	22.41	21.29	0.191	0.148	1
	132322	1745	1	0	21.27	20.35	0.147	0.119	1
			1	24	22.67	21.58	0.203	0.158	1
			1	49	22.73	21.68	0.206	0.161	1
			50	0	22.83	21.76	0.210	0.164	1
	132622	1775	1	0	21.65	20.70	0.160	0.129	1
			1	24	22.54	21.46	0.197	0.153	1
			1	49	22.46	21.45	0.193	0.153	1
			50	0	22.36	20.98	0.189	0.137	1

Note:

1. EIRP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi)

2. EIRP (W) = $(10^{(Power(dBm)/10)})*10^{-3}$

Mode					Conducted Power		EIRP Power		Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	QPSK EIRP(W)	16-QAM EIRP(W)	Limit EIRP(W)
15	132047	1717.5	1	0	21.38	20.38	0.151	0.120	1
			1	37	22.29	21.29	0.186	0.148	1
			1	74	22.71	21.42	0.205	0.152	1
			75	0	22.50	21.56	0.195	0.157	1
	132322	1745	1	0	21.41	20.38	0.152	0.120	1
			1	37	22.78	21.81	0.208	0.166	1
			1	74	23.05	21.78	0.221	0.165	1
			75	0	22.94	21.77	0.216	0.165	1
	132597	1772.5	1	0	21.70	20.66	0.162	0.128	1
			1	37	22.67	21.45	0.203	0.153	1
			1	74	22.65	21.50	0.202	0.155	1
			75	0	22.37	21.36	0.189	0.150	1
20	132072	1720	1	0	21.35	20.43	0.150	0.121	1
			1	49	22.37	21.38	0.189	0.151	1
			1	99	22.40	21.62	0.191	0.159	1
			100	0	22.52	21.47	0.196	0.154	1
	132322	1745	1	0	21.52	20.49	0.156	0.123	1
			1	49	23.06	21.71	0.222	0.163	1
			1	99	22.67	21.58	0.203	0.158	1
			100	0	23.01	21.98	0.219	0.173	1
	132572	1770	1	0	21.79	20.79	0.166	0.132	1
			1	49	22.72	21.50	0.205	0.155	1
			1	99	22.66	21.41	0.202	0.152	1
			100	0	22.43	21.40	0.192	0.151	1

Note:

1. EIRP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi)

2. EIRP (W) = $(10^{(Power(dBm)/10)})*10^{-3}$

Mode 3: LTE Band 5 / 26 (Part 22)

Mode					Conducted Power		ERP Power		Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	QPSK ERP(W)	16-QAM ERP(W)	Limit ERP(W)
1.4	26797	824.7	1	0	22.35	21.21	0.141	0.109	7
			1	2	22.57	21.75	0.149	0.123	7
			1	5	22.70	21.80	0.153	0.124	7
			6	0	22.63	21.53	0.151	0.117	7
	26915	836.5	1	0	21.58	20.38	0.118	0.090	7
			1	2	22.37	21.35	0.142	0.112	7
			1	5	22.35	21.36	0.141	0.112	7
			6	0	22.45	21.08	0.145	0.105	7
	27033	848.3	1	0	21.44	20.51	0.115	0.092	7
			1	2	22.09	20.85	0.133	0.100	7
			1	5	22.09	21.07	0.133	0.105	7
			6	0	21.96	20.88	0.129	0.101	7
3	26805	825.5	1	0	20.99	19.92	0.103	0.081	7
			1	7	22.72	21.48	0.154	0.116	7
			1	14	22.93	21.78	0.161	0.124	7
			15	0	22.74	21.74	0.155	0.123	7
	26915	836.5	1	0	21.61	20.57	0.119	0.094	7
			1	7	22.32	21.33	0.140	0.112	7
			1	14	22.66	21.90	0.152	0.127	7
			15	0	22.58	21.81	0.149	0.125	7
	27025	847.5	1	0	21.33	20.39	0.112	0.090	7
			1	7	22.25	21.17	0.138	0.108	7
			1	14	22.32	21.02	0.140	0.104	7
			15	0	22.21	20.77	0.137	0.098	7

Note:

1. ERP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi) – 2.15

2. ERP (W) = $(10^{(Power(dBm)/10)})*10^{-3}$

Mode					Conducted Power		ERP Power		Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	QPSK ERP(W)	16-QAM ERP(W)	Limit ERP(W)
5	26815	826.5	1	0	21.02	20.18	0.104	0.086	7
			1	12	22.64	21.51	0.151	0.116	7
			1	24	23.01	22.08	0.164	0.133	7
			25	0	22.60	21.60	0.150	0.119	7
	26915	836.5	1	0	21.67	20.67	0.121	0.096	7
			1	12	22.47	21.38	0.145	0.113	7
			1	24	22.69	21.53	0.153	0.117	7
			25	0	22.32	21.24	0.140	0.109	7
	27015	846.5	1	0	21.36	20.44	0.112	0.091	7
			1	12	22.37	21.60	0.142	0.119	7
			1	24	22.30	21.11	0.140	0.106	7
			25	0	21.93	21.21	0.128	0.109	7
10	26840	829	1	0	21.09	20.12	0.106	0.085	7
			1	24	22.89	21.86	0.160	0.126	7
			1	49	22.58	21.88	0.149	0.127	7
			50	0	22.57	21.44	0.149	0.115	7
	26915	836.5	1	0	21.65	20.74	0.120	0.097	7
			1	24	22.54	21.42	0.148	0.114	7
			1	49	22.42	21.52	0.144	0.117	7
			50	0	22.68	21.41	0.152	0.114	7
	26990	844	1	0	21.31	20.29	0.111	0.088	7
			1	24	22.55	21.59	0.148	0.119	7
			1	49	22.32	21.45	0.140	0.115	7
			50	0	22.10	20.94	0.133	0.102	7

Note:

1. ERP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

2. ERP (W) = $(10^{(Power(dBm)/10)})*10^{-3}$

Mode					Conducted Power		ERP Power		Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	QPSK ERP(W)	16-QAM ERP(W)	Limit ERP(W)
15	26865	831.5	1	0	21.25	20.17	0.110	0.086	7
			1	37	22.84	21.38	0.158	0.113	7
			1	74	22.68	21.82	0.152	0.125	7
			75	0	22.66	21.40	0.152	0.114	7
	26915	836.5	1	0	21.51	20.65	0.116	0.095	7
			1	37	23.03	21.69	0.165	0.121	7
			1	74	22.59	21.55	0.149	0.117	7
			75	0	22.31	21.16	0.140	0.107	7
	26965	841.5	1	0	21.32	20.44	0.111	0.091	7
			1	37	22.44	20.96	0.144	0.103	7
			1	74	22.82	21.48	0.157	0.116	7
			75	0	22.21	20.73	0.137	0.097	7

Note:

1. ERP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

2. ERP (W) = $(10^{(Power(dBm)/10)})*10^{-3}$

Mode 4: LTE Band 12

Mode					Conducted Power		ERP Power		Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	QPSK ERP(W)	16-QAM ERP(W)	Limit ERP(W)
1.4	23017	699.7	1	0	23.04	21.92	0.190	0.147	3
		699.7	1	2	22.84	21.86	0.182	0.145	3
		699.7	1	5	22.97	22.04	0.187	0.151	3
		699.7	6	0	22.96	21.89	0.187	0.146	3
	23095	707.5	1	0	21.93	21.00	0.147	0.119	3
		707.5	1	2	22.97	21.90	0.187	0.146	3
		707.5	1	5	23.05	22.10	0.191	0.153	3
		707.5	6	0	22.93	22.05	0.185	0.151	3
	23173	715.3	1	0	21.99	20.90	0.149	0.116	3
		715.3	1	2	22.86	21.93	0.182	0.147	3
		715.3	1	5	22.97	21.97	0.187	0.149	3
		715.3	6	0	22.95	21.82	0.186	0.144	3
3	23025	700.5	1	0	21.86	20.92	0.145	0.117	3
		700.5	1	7	22.99	21.73	0.188	0.141	3
		700.5	1	14	23.46	22.12	0.209	0.154	3
		700.5	15	0	23.06	22.06	0.191	0.152	3
	23095	707.5	1	0	21.99	20.89	0.149	0.116	3
		707.5	1	7	22.99	21.93	0.188	0.147	3
		707.5	1	14	23.18	22.15	0.196	0.155	3
		707.5	15	0	22.86	22.03	0.182	0.151	3
	23165	714.5	1	0	22.05	20.93	0.151	0.117	3
		714.5	1	7	22.93	21.81	0.185	0.143	3
		714.5	1	14	23.12	22.06	0.194	0.152	3
		714.5	15	0	22.95	21.93	0.186	0.147	3

Note:

1. ERP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

2. ERP (W) = $(10^{(Power(dBm)/10)})*10^{-3}$

Mode					Conducted Power		ERP Power		Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	QPSK ERP(W)	16-QAM ERP(W)	Limit ERP(W)
5	23035	701.5	1	0	21.90	20.85	0.146	0.115	3
		701.5	1	12	22.98	21.86	0.187	0.145	3
		701.5	1	24	23.37	22.60	0.205	0.172	3
		701.5	25	0	23.00	21.80	0.188	0.143	3
	23095	707.5	1	0	21.95	20.95	0.148	0.117	3
		707.5	1	12	23.02	21.77	0.189	0.142	3
		707.5	1	24	23.10	22.04	0.193	0.151	3
		707.5	25	0	22.64	21.66	0.173	0.138	3
	23155	713.5	1	0	22.00	20.98	0.150	0.118	3
		713.5	1	12	22.90	21.79	0.184	0.143	3
		713.5	1	24	23.20	22.00	0.197	0.150	3
		713.5	25	0	22.86	21.52	0.182	0.134	3
10	23060	704	1	0	21.82	20.88	0.144	0.116	3
		704	1	24	22.99	21.93	0.188	0.147	3
		704	1	49	22.93	21.94	0.185	0.148	3
		704	50	0	22.77	21.82	0.179	0.144	3
	23095	707.5	1	0	21.89	20.91	0.146	0.116	3
		707.5	1	24	23.47	21.92	0.210	0.147	3
		707.5	1	49	23.01	21.89	0.189	0.146	3
		707.5	50	0	22.73	21.78	0.177	0.142	3
	23130	711	1	0	21.88	20.88	0.146	0.116	3
		711	1	24	22.96	21.72	0.187	0.140	3
		711	1	49	22.92	22.03	0.185	0.151	3
		711	50	0	22.79	21.80	0.179	0.143	3

Note:

1. ERP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

2. ERP (W) = $(10^{(Power(dBm)/10)})*10^{-3}$

Mode 5: LTE Band 13

Mode					Conducted Power		ERP Power		Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	QPSK ERP(W)	16-QAM ERP(W)	Limit ERP(W)
5	23205	779.5	1	0	23.18	22.16	0.196	0.155	3
5	23205	779.5	1	12	23.07	21.96	0.191	0.148	3
5	23205	779.5	1	24	23.33	22.48	0.203	0.167	3
5	23205	779.5	25	0	23.12	22.08	0.194	0.152	3
5	23230	782	1	0	22.24	21.22	0.158	0.125	3
5	23230	782	1	12	23.24	21.95	0.199	0.148	3
5	23230	782	1	24	23.46	22.38	0.209	0.163	3
5	23230	782	25	0	23.20	22.00	0.197	0.150	3
5	23255	784.5	1	0	22.32	21.27	0.161	0.126	3
5	23255	784.5	1	12	23.09	22.08	0.192	0.152	3
5	23255	784.5	1	24	23.38	22.50	0.206	0.168	3
5	23255	784.5	25	0	23.07	22.04	0.191	0.151	3
10	23230	782	1	0	22.30	21.22	0.160	0.125	3
10	23230	782	1	24	23.47	21.85	0.210	0.145	3
10	23230	782	1	49	23.30	22.31	0.202	0.161	3
10	23230	782	50	0	22.94	21.81	0.186	0.143	3

Note:

1. ERP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15dB

2. ERP (W) = $(10^{(Power(dBm)/10)})*10^{-3}$

Mode 6: LTE Band 26 (Part 90)

Mode					Conducted Power		ERP Power		Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	QPSK ERP(W)	16-QAM ERP(W)	Limit ERP(W)
1.4	26697	814.7	1	0	21.46	21.56	0.115	0.118	100
			1	2	22.56	21.68	0.148	0.121	100
			1	5	22.74	21.88	0.155	0.127	100
			6	0	22.62	21.59	0.150	0.119	100
	26740	819	1	0	21.63	20.67	0.120	0.096	100
			1	2	22.60	21.60	0.150	0.119	100
			1	5	22.78	21.85	0.156	0.126	100
			6	0	22.70	21.49	0.153	0.116	100
	26783	823.3	1	0	21.63	20.58	0.120	0.094	100
			1	2	22.65	21.53	0.151	0.117	100
			1	5	22.70	21.82	0.153	0.125	100
			6	0	22.61	21.50	0.150	0.116	100
3	26705	815.5	1	0	21.58	20.63	0.118	0.095	100
			1	7	22.76	21.74	0.155	0.123	100
			1	14	22.85	21.72	0.158	0.122	100
			15	0	22.57	21.73	0.149	0.122	100
	26740	819	1	0	21.49	20.53	0.116	0.093	100
			1	7	22.80	21.66	0.157	0.121	100
			1	14	22.82	21.60	0.157	0.119	100
			15	0	22.62	21.49	0.150	0.116	100
	26775	822.5	1	0	21.61	20.51	0.119	0.092	100
			1	7	22.77	21.61	0.156	0.119	100
			1	14	22.99	21.95	0.164	0.129	100
			15	0	22.76	21.60	0.155	0.119	100

Note:

1. ERP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15dB

2. ERP (W) = $(10^{(Power(dBm)/10)})*10^{-3}$

Mode					Conducted Power		ERP Power		Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	QPSK ERP(W)	16-QAM ERP(W)	Limit ERP(W)
5	26715	816.5	1	0	21.65	20.59	0.120	0.094	100
			1	12	22.68	21.57	0.152	0.118	100
			1	24	22.91	21.83	0.161	0.125	100
			25	0	22.70	21.56	0.153	0.118	100
	26740	819	1	0	21.61	20.70	0.119	0.097	100
			1	12	22.54	21.36	0.148	0.112	100
			1	24	22.75	21.88	0.155	0.127	100
			25	0	22.68	21.48	0.152	0.116	100
	26765	821.5	1	0	21.59	20.61	0.119	0.095	100
			1	12	23.02	21.45	0.165	0.115	100
			1	24	23.01	21.71	0.164	0.122	100
			25	0	22.56	21.59	0.148	0.119	100
10	26740	819	1	0	21.64	20.57	0.120	0.094	100
			1	24	22.73	21.72	0.154	0.122	100
			1	49	23.02	21.87	0.165	0.126	100
			50	0	22.82	21.45	0.157	0.115	100

Note:

1. ERP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15dB

2. ERP (W) = $(10^{(Power(dBm)/10)})*10^{-3}$

Mode 7: LTE Band 41

Mode					Conducted Power		EIRP Power		Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	QPSK EIRP(W)	16-QAM EIRP(W)	Limit EIRP(W)
5	39675	2498.5	1	0	21.63	20.79	0.092	0.076	2
			1	12	21.62	21.06	0.092	0.081	2
			1	24	21.59	21.13	0.091	0.082	2
			25	0	20.89	19.90	0.077	0.062	2
	40620	2593	1	0	22.30	21.59	0.107	0.091	2
			1	12	22.44	21.44	0.111	0.088	2
			1	24	22.51	21.77	0.112	0.095	2
			25	0	21.63	20.53	0.092	0.071	2
	41565	2687.5	1	0	21.53	20.74	0.090	0.075	2
			1	12	21.41	20.52	0.087	0.071	2
			1	24	21.38	20.35	0.087	0.068	2
			25	0	20.63	19.53	0.073	0.057	2
10	39700	2501	1	0	22.05	20.54	0.101	0.071	2
			1	24	21.97	20.92	0.099	0.078	2
			1	49	21.98	20.95	0.100	0.079	2
			50	0	21.06	20.07	0.081	0.064	2
	40620	2593	1	0	22.65	21.30	0.116	0.085	2
			1	24	22.76	21.60	0.119	0.091	2
			1	49	22.77	21.50	0.119	0.089	2
			50	0	21.66	20.66	0.092	0.073	2
	41540	2685	1	0	21.81	21.07	0.096	0.081	2
			1	24	21.69	21.03	0.093	0.080	2
			1	49	21.56	20.84	0.090	0.077	2
			50	0	20.78	19.76	0.076	0.060	2

Note:

1. EIRP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi)

2. EIRP (W) = $(10^{(Power(dBm)/10)})*10^{-3}$

Mode					Conducted Power		EIRP Power		Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	QPSK EIRP(W)	16-QAM EIRP(W)	Limit EIRP(W)
15	39725	2503.5	1	0	21.95	20.85	0.099	0.077	2
			1	37	21.84	20.86	0.096	0.077	2
			1	74	21.88	21.01	0.097	0.080	2
			75	0	20.79	19.89	0.076	0.062	2
	40620	2593	1	0	22.41	21.46	0.110	0.088	2
			1	37	22.51	21.27	0.112	0.085	2
			1	74	22.64	21.52	0.116	0.090	2
			75	0	21.56	20.56	0.090	0.072	2
	41515	2682.5	1	0	21.93	20.84	0.098	0.077	2
			1	37	21.65	20.64	0.092	0.073	2
			1	74	21.44	20.56	0.088	0.072	2
			75	0	20.75	19.72	0.075	0.059	2
20	39750	2506	1	0	21.64	20.92	0.092	0.078	2
			1	49	21.62	20.91	0.092	0.078	2
			1	99	21.71	20.68	0.094	0.074	2
			100	0	20.78	19.80	0.076	0.060	2
	40620	2593	1	0	22.30	21.38	0.107	0.087	2
			1	49	22.78	21.78	0.120	0.095	2
			1	99	22.58	21.70	0.114	0.093	2
			100	0	21.68	20.65	0.093	0.073	2
	41490	2680	1	0	22.10	21.04	0.102	0.080	2
			1	49	21.86	20.95	0.097	0.079	2
			1	99	21.64	20.56	0.092	0.072	2
			100	0	20.88	19.86	0.077	0.061	2

Note:

1. EIRP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi)

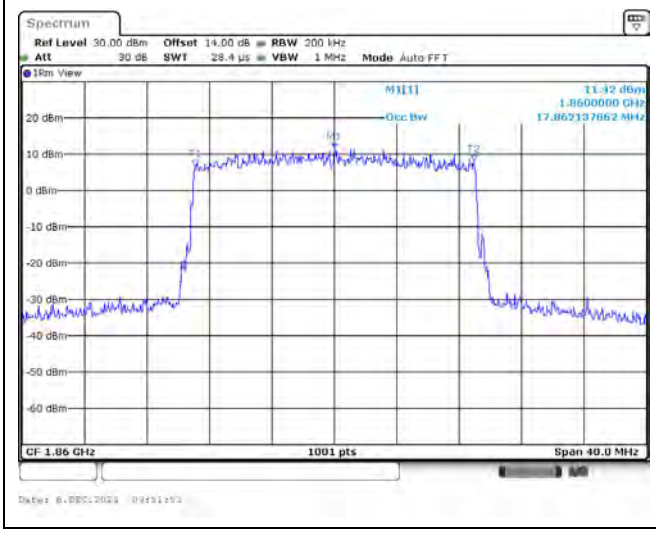
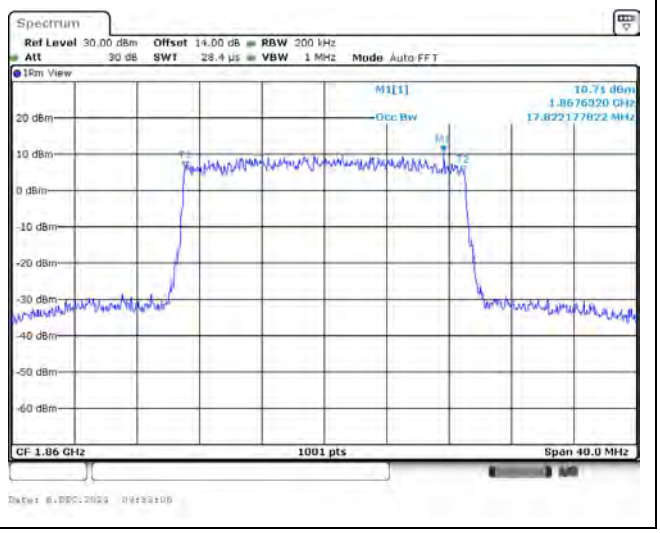
2. EIRP (W) = $(10^{(Power(dBm)/10)})*10^{-3}$

Appendix B. Test Result of Occupied Bandwidth

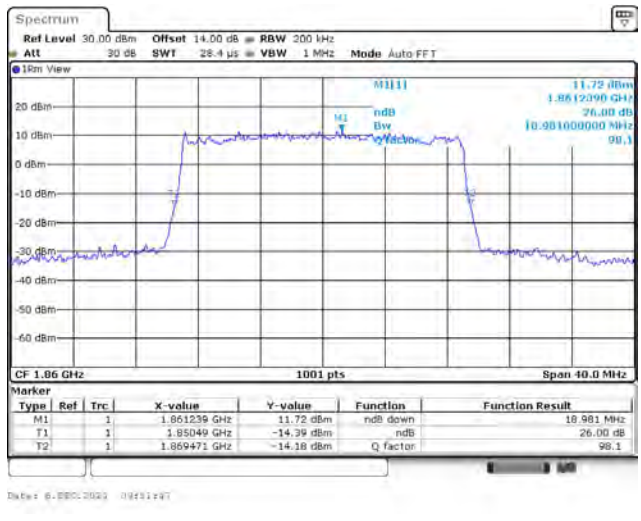
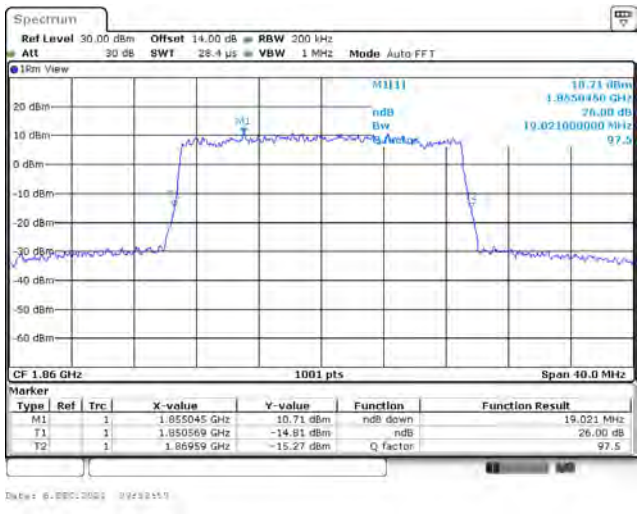
Mode 1: LTE Band 2 / 25

Bandwidth (MHz)	Modulation	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
			26dB BW	99% BW	
1.4	QPSK	1850.7	1.27	1.08	N/A
		1882.5	1.28	1.09	N/A
		1914.3	1.29	1.10	N/A
	16-QAM	1850.7	1.27	1.08	N/A
		1882.5	1.28	1.09	N/A
		1914.3	1.26	1.09	N/A
3	QPSK	1851.5	2.93	2.69	N/A
		1882.5	2.95	2.69	N/A
		1913.5	2.94	2.69	N/A
	16-QAM	1851.5	2.94	2.69	N/A
		1882.5	2.94	2.69	N/A
		1913.5	2.95	2.68	N/A
5	QPSK	1852.5	4.93	4.48	N/A
		1882.5	4.92	4.48	N/A
		1912.5	4.94	4.48	N/A
	16-QAM	1852.5	4.89	4.48	N/A
		1882.5	4.94	4.48	N/A
		1912.5	4.95	4.48	N/A
10	QPSK	1855.0	9.71	8.93	N/A
		1882.5	9.55	8.95	N/A
		1910.0	9.49	8.91	N/A
	16-QAM	1855.0	9.65	8.91	N/A
		1882.5	9.63	8.93	N/A
		1910.0	9.59	8.89	N/A
15	QPSK	1857.5	14.48	13.31	N/A
		1882.5	14.57	13.43	N/A
		1907.5	14.33	13.31	N/A
	16-QAM	1857.5	14.36	13.34	N/A
		1882.5	14.39	13.40	N/A
		1907.5	14.45	13.37	N/A
20	QPSK	1860.0	18.98	17.86	N/A
		1882.5	18.90	17.78	N/A
		1905.0	18.94	17.82	N/A
	16-QAM	1860.0	19.02	17.82	N/A
		1882.5	18.98	17.82	N/A
		1905.0	18.90	17.78	N/A

For 99% Bandwidth:

Spectrum plot of worst value	
LTE Band 2 / 25_QPSK_1860.0 MHz_ 20M_FRB	LTE Band 2 / 25_16QAM_1860.0 MHz_20M_FRB
	

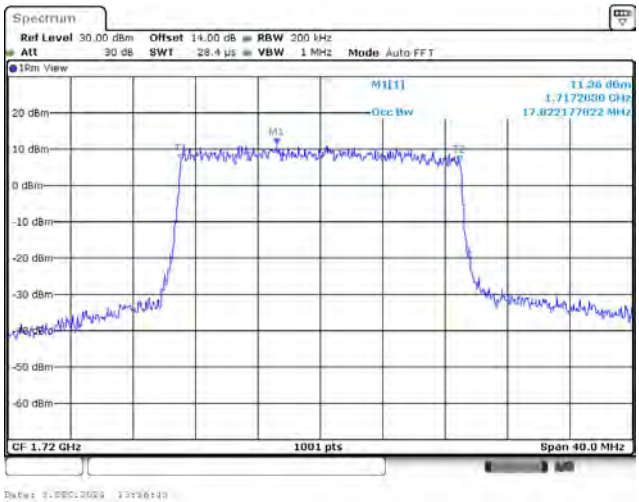
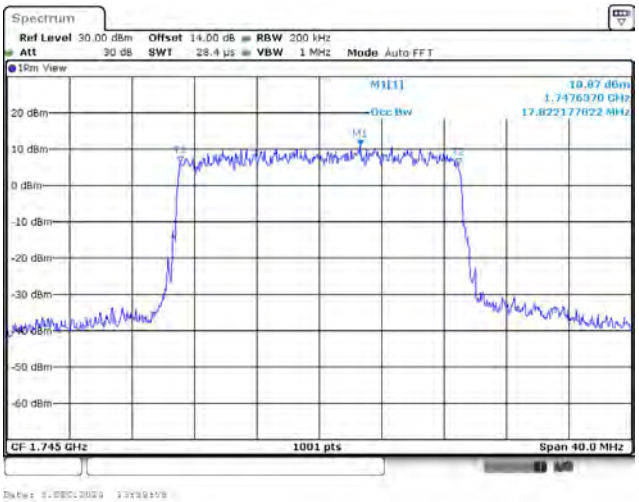
For 26dB Bandwidth:

Spectrum plot of worst value	
LTE Band 2 / 25_QPSK_1860.0 MHz_ 20M_FRB	LTE Band 2 / 25_16QAM_1860.0 MHz_20M_FRB
	

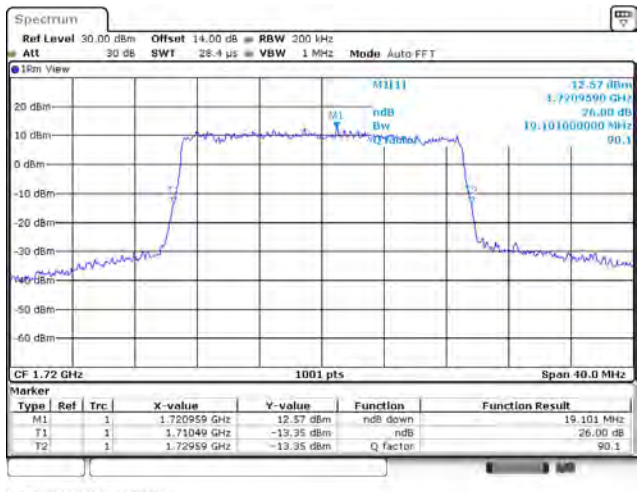
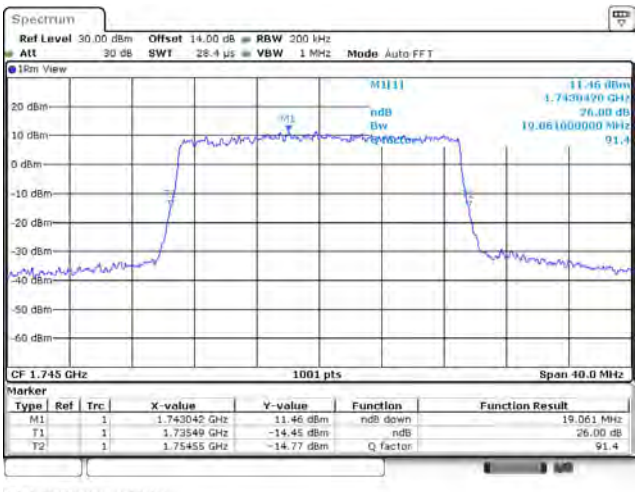
Mode 2: LTE Band 4 / 66

Bandwidth (MHz)	Modulation	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
			26dB BW	99% BW	
1.4	QPSK	1710.7	1.28	1.08	N/A
		1745.0	1.29	1.09	N/A
		1779.3	1.29	1.08	N/A
	16-QAM	1710.7	1.28	1.09	N/A
		1745.0	1.28	1.09	N/A
		1779.3	1.27	1.09	N/A
3	QPSK	1711.5	2.94	2.69	N/A
		1745.0	2.94	2.69	N/A
		1778.5	2.94	2.69	N/A
	16-QAM	1711.5	2.94	2.69	N/A
		1745.0	2.96	2.69	N/A
		1778.5	2.96	2.69	N/A
5	QPSK	1712.5	4.90	4.47	N/A
		1745.0	4.92	4.47	N/A
		1777.5	4.90	4.47	N/A
	16-QAM	1712.5	4.91	4.47	N/A
		1745.0	4.92	4.48	N/A
		1777.5	4.95	4.49	N/A
10	QPSK	1715.0	9.63	8.91	N/A
		1745.0	9.63	8.91	N/A
		1775.0	9.65	8.91	N/A
	16-QAM	1715.0	9.71	8.91	N/A
		1745.0	9.59	8.91	N/A
		1775.0	9.73	8.93	N/A
15	QPSK	1717.5	14.30	13.40	N/A
		1745.0	14.54	13.43	N/A
		1772.5	14.48	13.40	N/A
	16-QAM	1717.5	14.48	13.37	N/A
		1745.0	14.51	13.40	N/A
		1772.5	14.33	13.40	N/A
20	QPSK	1720.0	19.10	17.82	N/A
		1745.0	18.98	17.82	N/A
		1770.0	18.94	17.78	N/A
	16-QAM	1720.0	18.90	17.78	N/A
		1745.0	19.06	17.82	N/A
		1770.0	19.06	17.82	N/A

For 99% Bandwidth:

Spectrum plot of worst value	
LTE Band 4 / 66_QPSK_1720.0 MHz_ 20M_FRB	LTE Band 4 / 66_16QAM_1745.0 MHz_20M_FRB
	

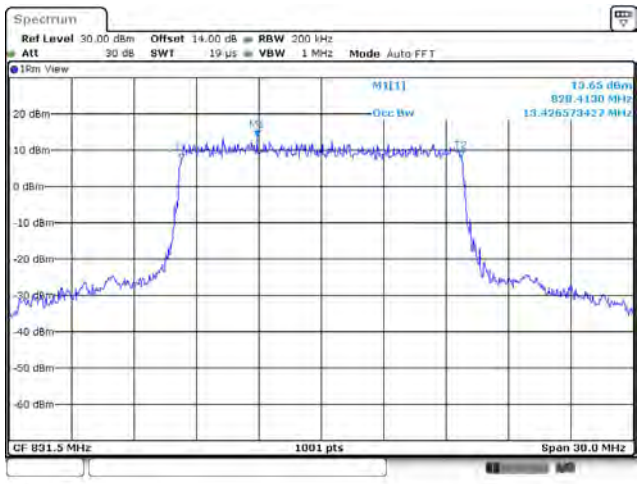
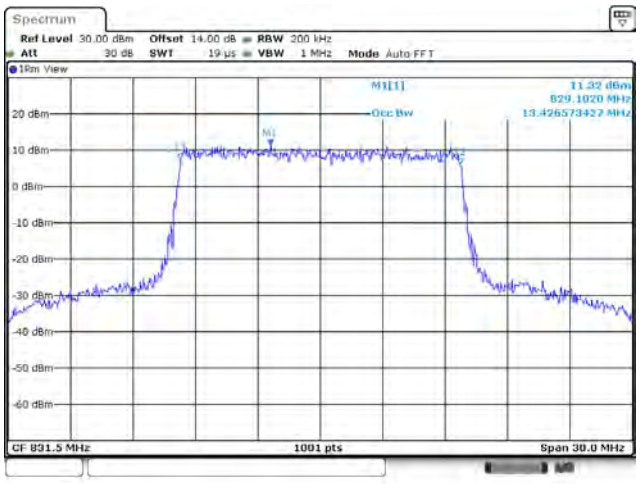
For 26dB Bandwidth:

Spectrum plot of worst value	
LTE Band 4 / 66_QPSK_1720.0 MHz_ 20M_FRB	LTE Band 4 / 66_16QAM_1745.0 MHz_20M_FRB
	

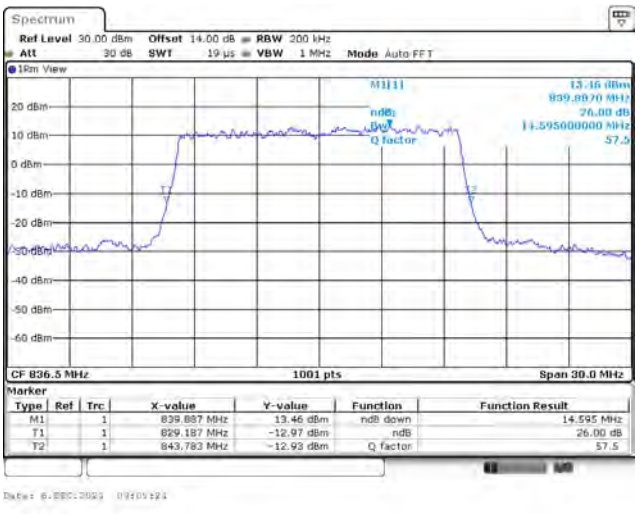
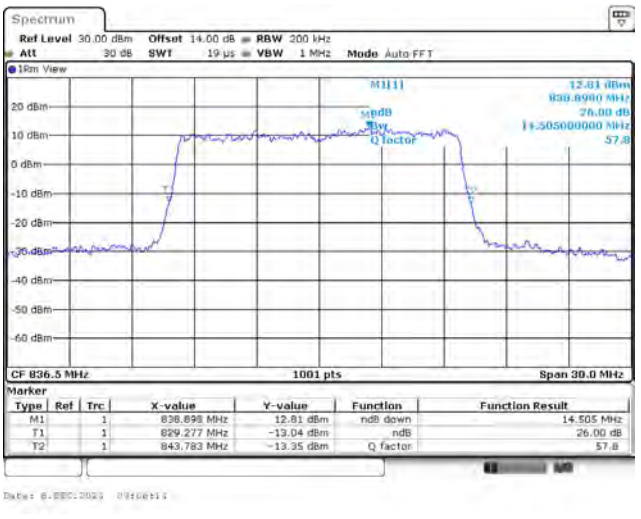
Mode 3: LTE Band 5 / 26 (Part 22)

Bandwidth (MHz)	Modulation	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
			26dB BW	99% BW	
1.4	QPSK	824.7	1.26	1.09	N/A
		836.5	1.27	1.09	N/A
		848.3	1.29	1.09	N/A
	16-QAM	824.7	1.27	1.09	N/A
		836.5	1.28	1.08	N/A
		848.3	1.28	1.09	N/A
3	QPSK	825.5	2.95	2.68	N/A
		836.5	2.93	2.69	N/A
		847.5	2.94	2.69	N/A
	16-QAM	825.5	2.95	2.69	N/A
		836.5	2.94	2.69	N/A
		847.5	2.96	2.69	N/A
5	QPSK	826.5	4.93	4.47	N/A
		836.5	4.93	4.47	N/A
		846.5	4.95	4.48	N/A
	16-QAM	826.5	4.94	4.47	N/A
		836.5	4.91	4.47	N/A
		846.5	4.90	4.48	N/A
10	QPSK	829.0	9.67	8.95	N/A
		836.5	9.67	8.93	N/A
		844.0	9.59	8.91	N/A
	16-QAM	829.0	9.67	8.93	N/A
		836.5	9.77	8.93	N/A
		844.0	9.53	8.89	N/A
15	QPSK	831.5	14.57	13.43	N/A
		836.5	14.60	13.40	N/A
		841.5	14.39	13.31	N/A
	16-QAM	831.5	14.45	13.43	N/A
		836.5	14.51	13.37	N/A
		841.5	14.42	13.34	N/A

For 99% Bandwidth:

Spectrum plot of worst value	
LTE Band 5 / 26_QPSK_831.5 MHz_15M_FRB	LTE Band 5 / 26_16QAM_831.5 MHz_15M_FRB
	

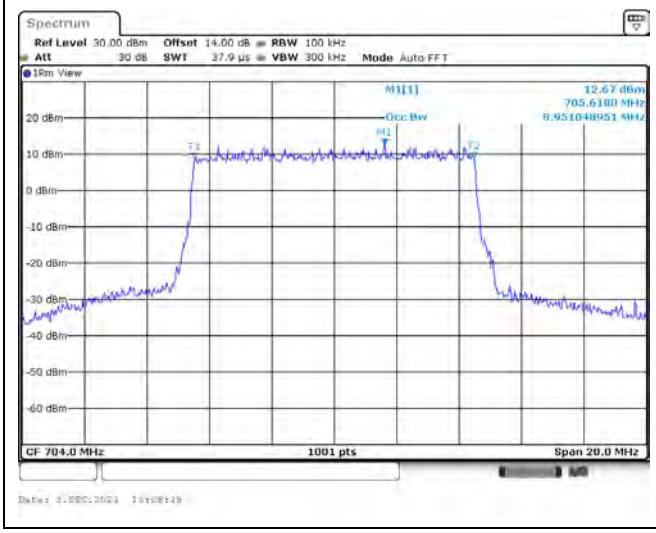
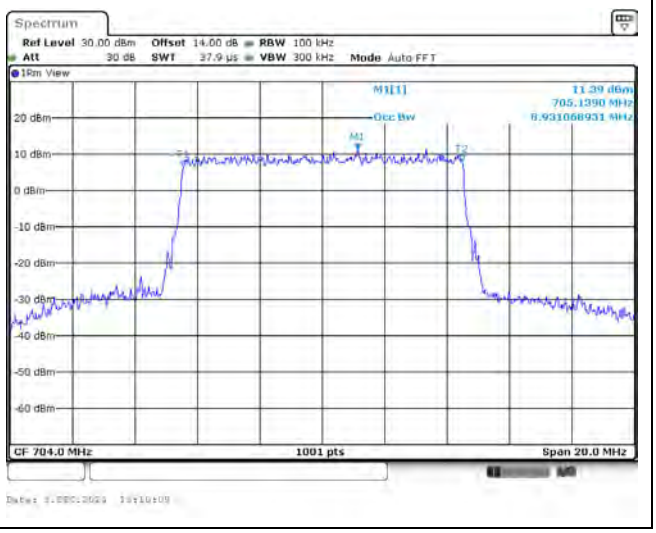
For 26dB Bandwidth:

Spectrum plot of worst value	
LTE Band 5 / 26_QPSK_836.5 MHz_ 15M_FRB	LTE Band 5 / 26_16QAM_836.5 MHz_15M_FRB
	

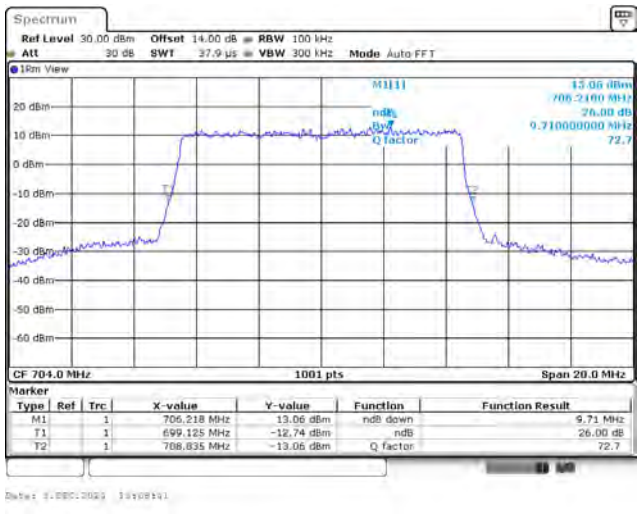
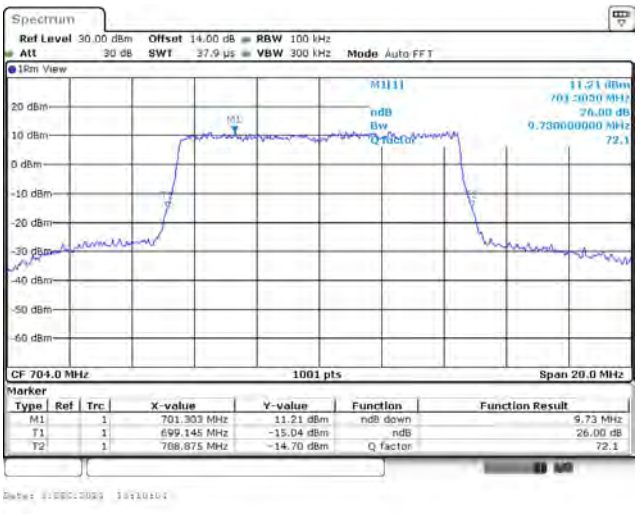
Mode 4: LTE Band 12

Bandwidth (MHz)	Modulation	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
			26dB BW	99% BW	
1.4	QPSK	699.7	1.28	1.08	N/A
		707.5	1.26	1.09	N/A
		715.3	1.28	1.08	N/A
	16-QAM	699.7	1.28	1.09	N/A
		707.5	1.27	1.08	N/A
		715.3	1.27	1.08	N/A
3	QPSK	700.5	2.94	2.68	N/A
		707.5	2.94	2.69	N/A
		714.5	2.94	2.69	N/A
	16-QAM	700.5	2.94	2.68	N/A
		707.5	2.96	2.69	N/A
		714.5	2.94	2.69	N/A
5	QPSK	701.5	4.93	4.47	N/A
		707.5	4.94	4.48	N/A
		713.5	4.89	4.47	N/A
	16-QAM	701.5	4.92	4.46	N/A
		707.5	4.92	4.49	N/A
		713.5	4.95	4.48	N/A
10	QPSK	704.0	9.71	8.95	N/A
		707.5	9.55	8.91	N/A
		711.0	9.51	8.89	N/A
	16-QAM	704.0	9.73	8.93	N/A
		707.5	9.49	8.89	N/A
		711.0	9.61	8.91	N/A

For 99% Bandwidth:

Spectrum plot of worst value	
LTE Band 12_QPSK_704.0 MHz_10M_FRB	LTE Band 12_16QAM_704.0 MHz_10M_FRB
	

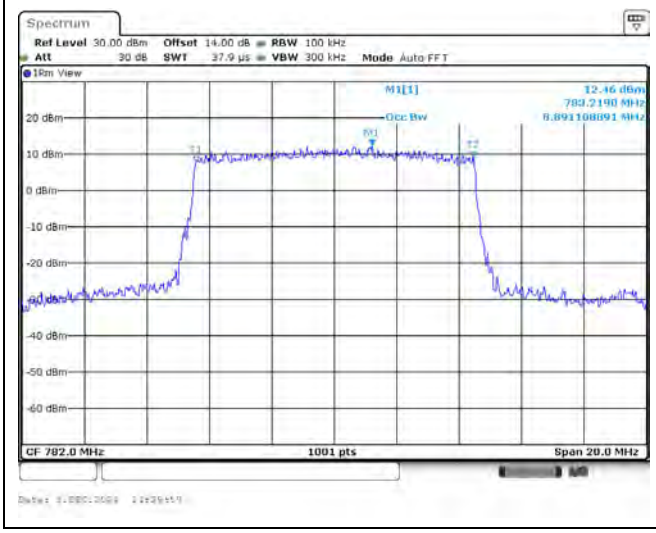
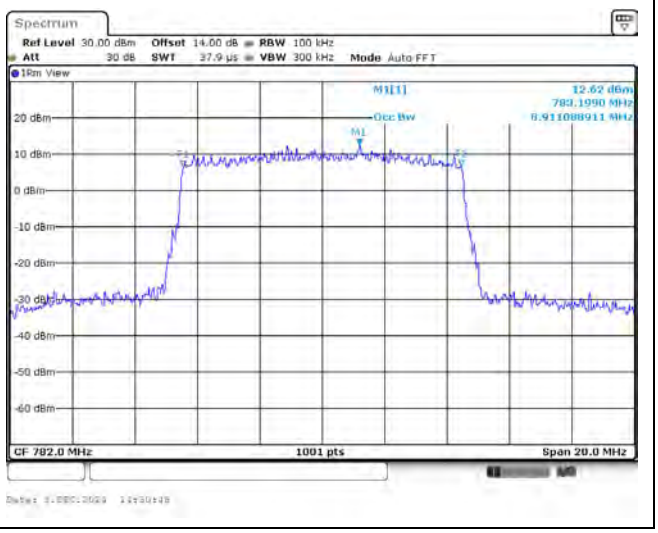
For 26dB Bandwidth:

Spectrum plot of worst value	
LTE Band 12_QPSK_704.0 MHz_10M_FRB	LTE Band 12_16QAM_704.0 MHz_10M_FRB
	

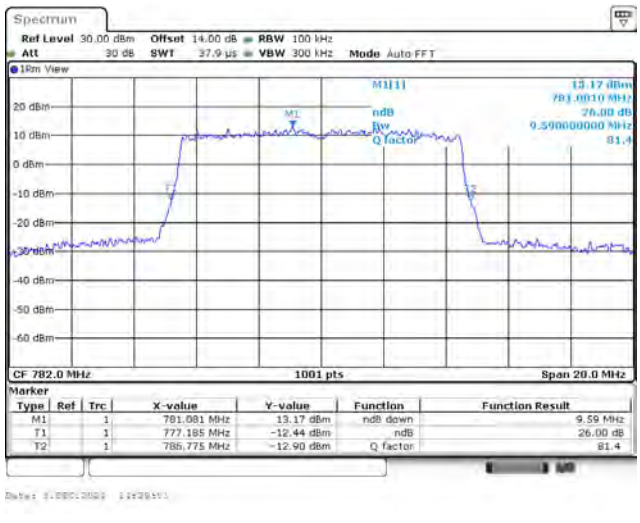
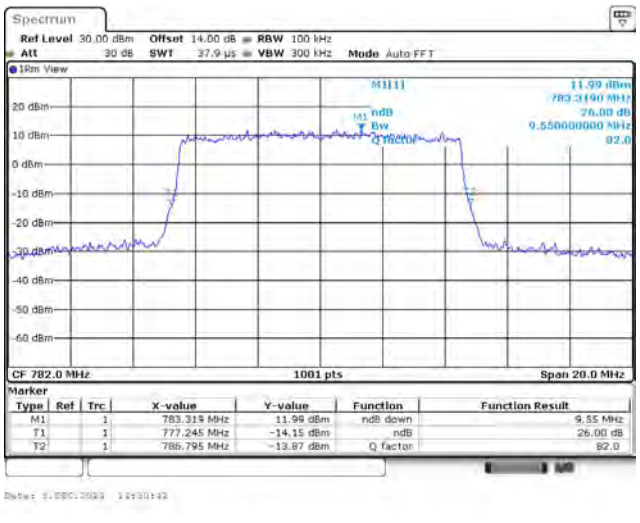
Mode 5: LTE Band 13

Bandwidth (MHz)	Modulation	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
			26dB BW	99% BW	
5	QPSK	779.5	4.91	4.47	N/A
		782.0	4.89	4.47	N/A
		784.5	4.89	4.46	N/A
	16-QAM	779.5	4.94	4.46	N/A
		782.0	4.92	4.46	N/A
		784.5	4.91	4.47	N/A
10	QPSK	782.0	9.59	8.89	N/A
	16-QAM	782.0	9.55	8.91	N/A

For 99% Bandwidth:

Spectrum plot of worst value	
TE Band 13_QPSK_782.0 MHz_ 20M_FRB	LTE Band 13_16QAM_782.0 MHz_20M_FRB
	

For 26dB Bandwidth:

Spectrum plot of worst value	
LTE Band 13_QPSK_782.0 MHz_ 20M_FRB	LTE Band 13_16QAM_782.0 MHz_20M_FRB
	

Mode 6: LTE Band 26 (Part 90)

Bandwidth (MHz)	Modulation	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
			26dB BW	99% BW	
1.4	QPSK	814.7	1.29	1.09	N/A
		819.0	1.29	1.09	N/A
		823.3	1.29	1.09	N/A
	16-QAM	814.7	1.28	1.09	N/A
		819.0	1.28	1.08	N/A
		823.3	1.26	1.09	N/A
3	QPSK	815.5	2.94	2.69	N/A
		819.0	2.93	2.69	N/A
		822.5	2.95	2.69	N/A
	16-QAM	815.5	2.97	2.69	N/A
		819.0	2.93	2.69	N/A
		822.5	2.94	2.68	N/A
5	QPSK	816.5	4.90	4.48	N/A
		819.0	4.91	4.47	N/A
		821.5	4.93	4.47	N/A
	16-QAM	816.5	4.95	4.48	N/A
		819.0	4.95	4.47	N/A
		821.5	4.93	4.47	N/A
10	QPSK	819.0	9.63	8.91	N/A
	16-QAM	819.0	9.57	8.91	N/A