

Test Report No:
2360394R-RFUSV24S-A

TEST REPORT

FCC Rules&Regulations

Product Name	TracKing V5
Brand Name	Thermo King
Model No.	TKV5LA
FCC ID	Q37TKV5LA
Applicant's Name / Address	Thermo King Corporation 314 West 90th Street, Minneapolis, MN USA 55420
Manufacturer's Name / Address	Thermo King Corporation 314 West 90th Street, Minneapolis, MN USA 55420
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 L, Subpart M ANSI/TIA-603-E-2016 ANSI C63.26-2015
Verdict Summary	IN COMPLIANCE
Documented By	 Amelia Wu
Approved By	 Rueyyan Lin
Date of Receipt	Jun. 12, 2023
Date of Issue	Sep. 25, 2023
Report Version	V1.0

INDEX

	page
Competences and Guarantees.....	4
General Conditions.....	4
Revision History.....	5
Summary of Test Result.....	6
Comments and Remarks.....	6
1. General Information.....	7
1.1. EUT Description.....	7
1.2. EUT Information.....	8
1.3. Testing Applied Standards.....	8
1.4. Testing Location Information.....	9
1.5. Measurement Uncertainty.....	9
1.6. List of Test Equipment.....	10
2. Test Configuration of EUT.....	11
2.1. Test Condition.....	11
2.2. The Worst Case Measurement Configuration.....	11
2.3. Tested System Details.....	12
2.4. Configuration of Tested System.....	12
3. RF Output Power.....	13
3.1. Test Setup.....	13
3.2. Test Procedure.....	13
3.3. Test Result of RF Output Power.....	13
4. Occupied Bandwidth.....	14
4.1. Test Setup.....	14
4.2. Test Procedures.....	14
4.3. Test Result of Occupied Bandwidth.....	14
5. Peak to Average Power Ratio.....	15
5.1. Test Setup.....	15
5.2. Test Procedure.....	15
5.3. Test Result of Peak to Average Power Ratio.....	15
6. Spurious Emission.....	16
6.1. Test Setup.....	16
6.2. Test Procedure.....	17
6.3. Test Result of Spurious Emission.....	17
7. Conducted Band Edge.....	18
7.1. Test Setup.....	18
7.2. Test Procedure.....	18

7.3.	Test Result of Conducted Band Edge	18
8.	Frequency Stability	19
8.1.	Test Setup	19
8.2.	Test Procedures	19
8.3.	Test Result of Frequency Stability	19
Appendix A. Test Result of RF Output Power		
Appendix B. Test Result of Occupied Bandwidth		
Appendix C. Test Result of Peak to Average Power Ratio		
Appendix D. Test Result of Spurious Emission		
Appendix E. Test Result of Conducted Band Edge		
Appendix F. Test Result of Frequency Stability		
Appendix G. Test Setup Photograph		

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	Sep. 25, 2023

Summary of Test Result

Report Clause	Test Items	Band	Ref Std. Clause	Limit	Result (PASS/FAIL)	Remark
3	RF Output Power	2	§2.1033 §2.1046 §24.232	< 2 Watts EIRP	PASS	-
		4, 66	§2.1033 §2.1046 §27.50	< 1 Watts EIRP	PASS	-
		5	§2.1033 §2.1046 §22.913	< 7 Watts ERP	PASS	-
		7	§2.1033 §2.1046 §27.50	< 2 Watts EIRP	PASS	-
4	Occupied Bandwidth	2, 4, 5, 7, 66	§2.1049	N/A	PASS	-
5	Peak to Average Power Ratio	2	§24.232	$\leq$ 13 dB	PASS	-
		4, 7, 66	§27.50	$\leq$ 13 dB	PASS	-
		5	§22.913	$\leq$ 13 dB	PASS	-
6	Spurious Emission	2	§2.1053 §24.238	< -13 dBm	PASS	-
		4, 66	§27.53	< -13 dBm	PASS	-
		5	§22.917	< -13 dBm	PASS	-
		7	§27.53	< 5 MHz: -10 dBm 5 MHz-X MHz: -13 dBm >X MHz: -25 dBm	PASS	-
7	Conducted Band Edge	2	§24.238	< -13 dBm	PASS	-
		4, 66	§2.1053 §27.53	< -13 dBm	PASS	-
		5	§2.1053 §22.917	< -13 dBm	PASS	-
		7	§2.1053 §27.53	< 5 MHz: -10 dBm 5 MHz-X MHz: -13 dBm >X MHz: -25 dBm	PASS	-
8	Frequency Stability	2	§2.1055 §24.235	$\pm$ 2.5 ppm	PASS	-
		4, 7, 66	§2.1055 §27.54	$\pm$ 2.5 ppm	PASS	-
		5	§2.1055 §22.335	$\pm$ 2.5 ppm	PASS	-

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 7: 2500~2570 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 7: 2620~2690 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 7: 5 / 10 / 15 / 20 LTE Band 66: 1.4 / 3 / 5 / 10 / 15 / 20
Type of Modulation	QPSK / 16QAM
Hardware Version	3.0
Software Version	1.00014
IMEI No.	8627540511

Antenna Information								
Ant.	Brand Name	Model No.	Type	Gain (dBi)				
				LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 66
0	N/A	N/A	PCB	2.33	3.39	-0.35	3.84	3.39

1.2. EUT Information

EUT Power Type	From DC power supply
----------------	----------------------

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 L, Subpart M
- FCC CFR Title 47 Part 2
- 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	
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 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 Getaz Yang	23~25 / 60~62	2023/06/17~2023/07/07
Radiated Emission	HC-CB04	Cyril Chen	23 / 61	2023/06/26

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
Temperature & Humidity Test Chamber	KSON	THS-B4T-150	A0401	-40°C~+150°C/10%-98%R.H ; 114x93x162cm	2022/12/07	2023/12/06
High Speed Peak Power Meter Dual Input	Anritsu	ML2496A	1602004	0.3-40 GHz	2022/11/02	2023/11/01
Pulse Power Sensor	Anritsu	MA2411B	1531043	0.3-40 GHz	2022/11/02	2023/11/01
EXA Signal Analyzer	Keysight	N9010A	MY51440132	10 Hz-44 GHz	2022/12/13	2023/12/12
Pulse Power Sensor	Anritsu	MA2411B	1531044	0.3-40 GHz	2022/11/02	2023/11/01
Spectrum Analyzer	Keysight	N9010B	MY57110159	10 Hz-7 GHz	2023/03/03	2024/03/02
Dual Output Autoranging DC Power Supply	Keysight	E36234A	MY59001234	Output: 200W, 0-60V, 0-10A	2022/10/31	2023/10/30
Wireless Conn. Tester	R&S	CMW500	157118	Simulator	2022/07/11	2023/07/10
Spectrum Analyzer	Agilent	N9010A	US47140172	9 kHz-26.5 GHz	2023/05/09	2024/05/08
Signal & Spectrum Analyzer	R&S	FSV40	101869	10Hz-40GHz	2022/07/13	2023/07/12

HC-CB04

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	10 Hz-40 GHz	2022/09/29	2023/09/28
EXA Signal Analyzer	Keysight	N9010A	MY51440132	10 Hz-44 GHz	2022/12/13	2023/12/12
Trilog Broadband Antenna	Schwarzbeck	VULB 9168	1209	30 MHz-2 GHz	2023/06/13	2024/06/12
Horn Antenna	Schwarzbeck	BBHA 9170	203	18G-40GHz	2023/02/13	2024/02/12
Pre-Amplifier	EMCI	EMC01820I	980364	30M-8 GHz,20 dB	2023/06/06	2024/06/05
Pre-Amplifier	EMEC	EM01G18GA	060835	1-18 GHz,50 dB	2022/07/04	2023/07/03
Pre-Amplifier	DEKRA	AP-400C	201801231	18G-40 GHz,48 dB	2022/09/27	2023/09/26
Dual Output Autoranging DC Power Supply	Keysight	E36234A	MY59001234	Output: 200W, 0-60V, 0-10A	2022/10/31	2023/10/30
Wireless Conn. Tester	R&S	CMW500	157118	Simulator	2022/07/11	2023/07/10
Coaxial Cable(10m)	Suhner	SF102_SF104	HC-CB04	30M-18 GHz	2022/08/08	2023/08/07
Coaxial Cable(3m)	Suhner,Rosno	SF102_UP0264	HC-CB04_1	18G-40 GHz	2022/08/14	2023/08/13
Radiated Software	AUDIX	e3 V9	HC-CB04_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	DC 14.2V

2.2. The Worst Case Measurement Configuration

Test Mode	Mode 1: LTE Band 2 Mode 2: LTE Band 4/66 Mode 3: LTE Band 5 Mode 4: LTE Band 7
-----------	---

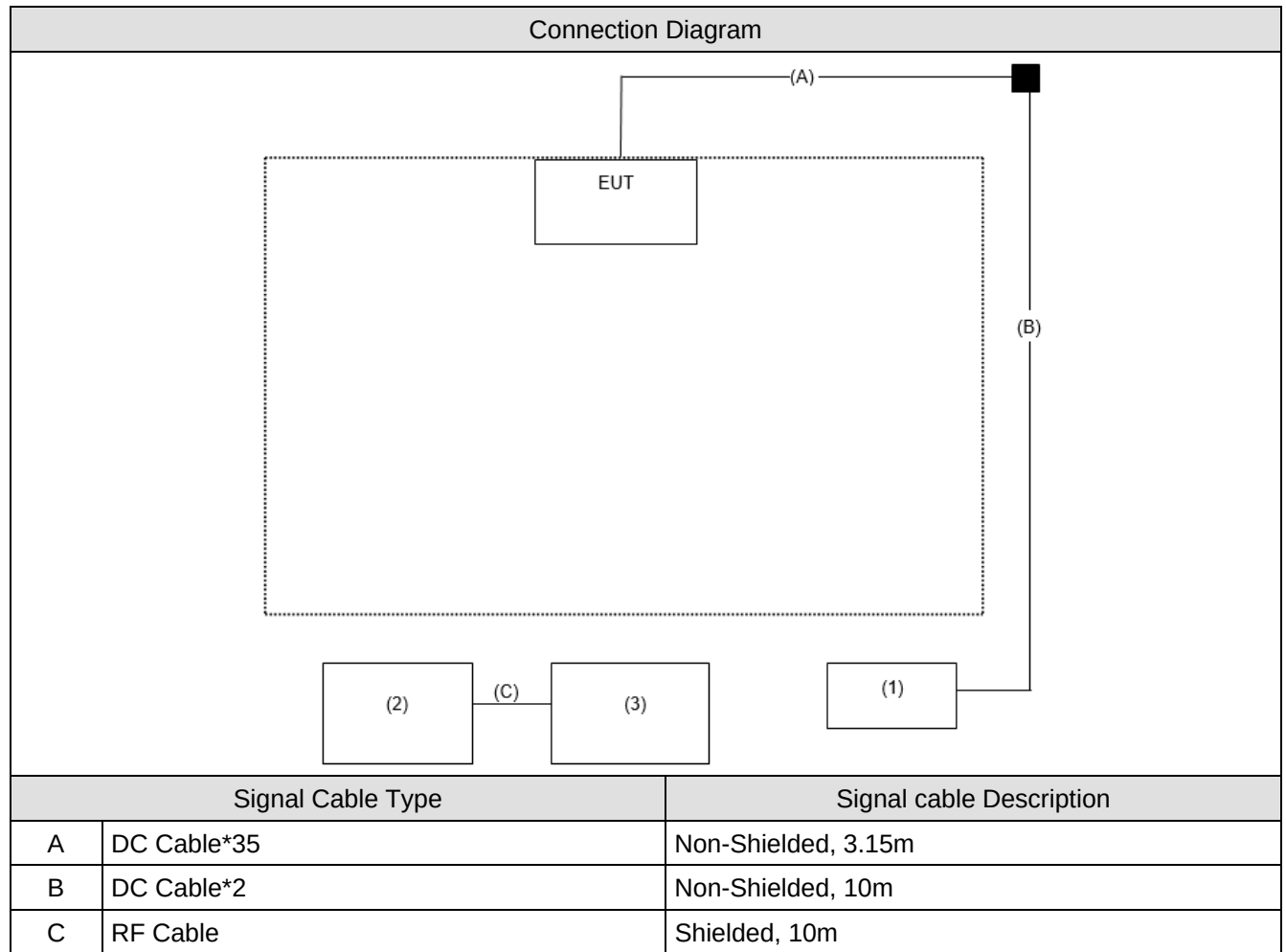
Note:

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, and the worst case was found in QPSK modulation and show in "Conducted Band Edge" & "Spurious Emission".
3. LTE Band 4 is covered by LTE Band 66.
4. The EUT was performed at X axis, Y axis and Z axis position for radiated spurious emission test. The worst case was found at X axis, so the measurement will follow this same test configuration.

2.3. Tested System Details

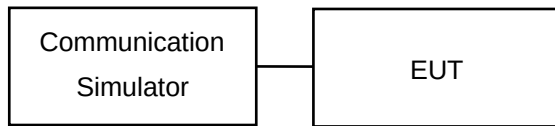
No.	Equipment	Brand Name	Model No.	Serial No.
1	Power Supply	Topward	6303D	8095908
2	Base Station	R&S	CMW500	150246
3	Horn Antenna	Schwarzbeck	BBHA 9120D	1640

2.4. Configuration of Tested System



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:

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

where:

ERP or EIRP = effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas} , 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);

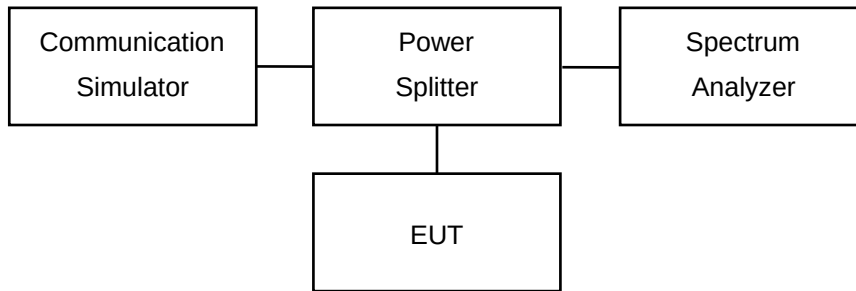
L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB

3.3. Test Result of RF Output Power

Refer as Appendix A

4. Occupied Bandwidth

4.1. Test Setup



4.2. Test Procedures

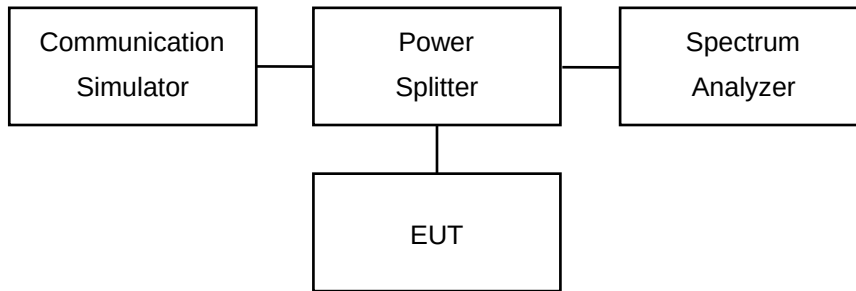
The EUT makes a call to the communication simulator. The 26dB bandwidth and 99% occupied bandwidth measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific 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 $\geq$ 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 %.

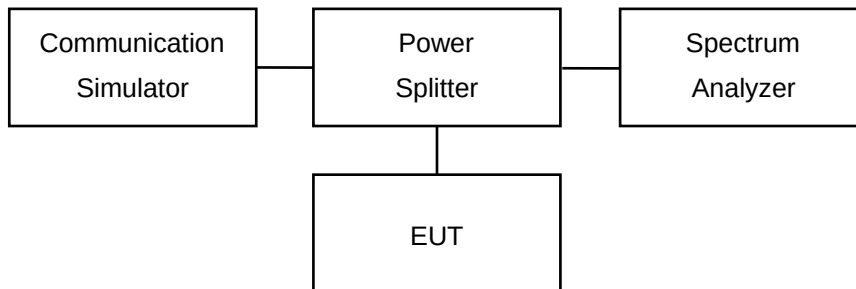
5.3. Test Result of Peak to Average Power Ratio

Refer as Appendix C

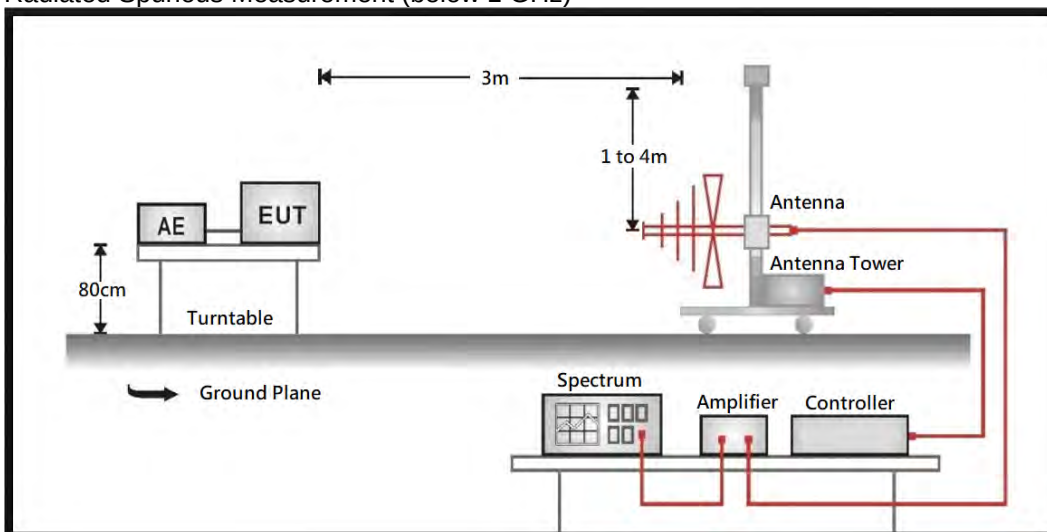
6. Spurious Emission

6.1. Test Setup

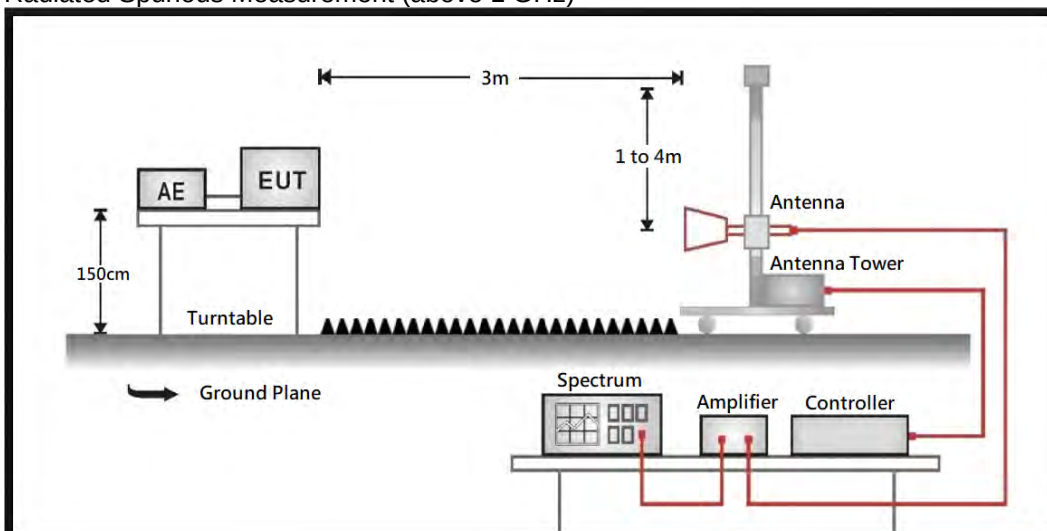
Conducted Spurious Measurement



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 10th harmonic.

Radiated Spurious Measurement:

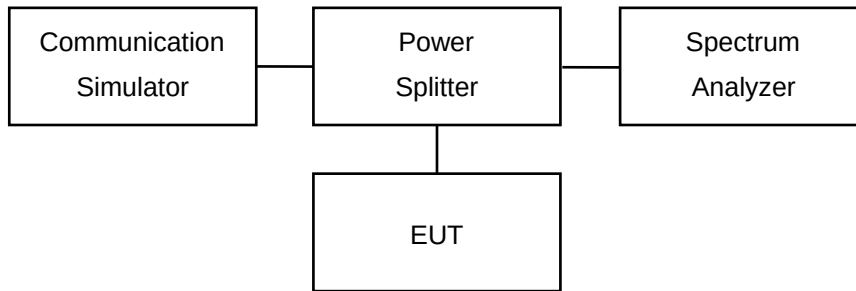
The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission 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

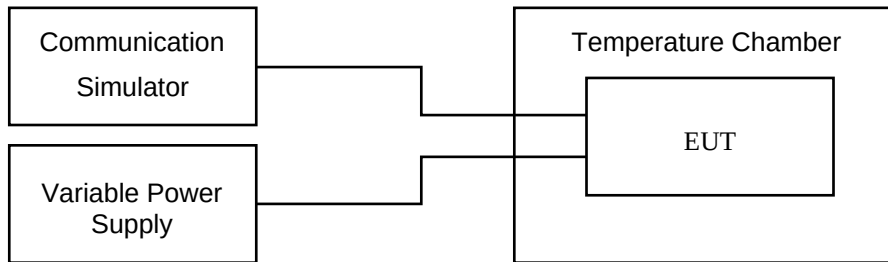
1. The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. The path loss was compensated to the results for each measurement.
2. In the 1MHz bands immediately 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°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.

Frequency Stability under Voltage Variations:

Set chamber temperature to 20°C. 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 ($\pm 15\%$) 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

Mode					Conducted Power	EIRP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	QPSK EIRP(W)	Limit EIRP(W)
1.4	18607	1850.7	1	0	23.38	0.372	2
1.4	18607	1850.7	1	2	23.44	0.378	2
1.4	18607	1850.7	1	5	23.42	0.376	2
1.4	18607	1850.7	6	0	22.19	0.283	2
1.4	18900	1880	1	0	23.23	0.360	2
1.4	18900	1880	1	2	23.31	0.366	2
1.4	18900	1880	1	5	23.41	0.375	2
1.4	18900	1880	6	0	22.38	0.296	2
1.4	19193	1909.3	1	0	23.21	0.358	2
1.4	19193	1909.3	1	2	23.53	0.385	2
1.4	19193	1909.3	1	5	23.29	0.365	2
1.4	19193	1909.3	6	0	22.27	0.288	2
3	18615	1851.5	1	0	23.49	0.382	2
3	18615	1851.5	1	7	23.30	0.366	2
3	18615	1851.5	1	14	23.23	0.360	2
3	18615	1851.5	15	0	22.24	0.286	2
3	18900	1880	1	0	23.44	0.378	2
3	18900	1880	1	7	23.28	0.364	2
3	18900	1880	1	14	23.29	0.365	2
3	18900	1880	15	0	22.15	0.281	2
3	19185	1908.5	1	0	23.43	0.377	2
3	19185	1908.5	1	7	23.23	0.360	2
3	19185	1908.5	1	14	23.48	0.381	2
3	19185	1908.5	15	0	22.16	0.281	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)	QPSK EIRP(W)	Limit EIRP(W)
5	18625	1852.5	1	0	23.30	0.366	2
5	18625	1852.5	1	12	23.41	0.375	2
5	18625	1852.5	1	24	23.44	0.378	2
5	18625	1852.5	25	0	22.19	0.283	2
5	18900	1880	1	0	23.43	0.377	2
5	18900	1880	1	12	23.33	0.368	2
5	18900	1880	1	24	23.37	0.372	2
5	18900	1880	25	0	22.29	0.290	2
5	19175	1907.5	1	0	23.32	0.367	2
5	19175	1907.5	1	12	23.31	0.366	2
5	19175	1907.5	1	24	23.43	0.377	2
5	19175	1907.5	25	0	22.21	0.284	2
10	18650	1855	1	0	23.44	0.378	2
10	18650	1855	1	24	23.48	0.381	2
10	18650	1855	1	49	23.37	0.372	2
10	18650	1855	50	0	22.25	0.287	2
10	18900	1880	1	0	23.30	0.366	2
10	18900	1880	1	24	23.53	0.385	2
10	18900	1880	1	49	23.47	0.380	2
10	18900	1880	50	0	22.18	0.282	2
10	19150	1905	1	0	23.44	0.378	2
10	19150	1905	1	24	23.28	0.364	2
10	19150	1905	1	49	23.29	0.365	2
10	19150	1905	50	0	22.25	0.287	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)	QPSK EIRP(W)	Limit EIRP(W)
15	18675	1857.5	1	0	23.21	0.358	2
15	18675	1857.5	1	37	23.38	0.372	2
15	18675	1857.5	1	74	23.33	0.368	2
15	18675	1857.5	75	0	22.30	0.290	2
15	18900	1880	1	0	23.46	0.379	2
15	18900	1880	1	37	23.32	0.367	2
15	18900	1880	1	74	23.30	0.366	2
15	18900	1880	75	0	22.29	0.290	2
15	19125	1902.5	1	0	23.35	0.370	2
15	19125	1902.5	1	37	23.45	0.378	2
15	19125	1902.5	1	74	23.35	0.370	2
15	19125	1902.5	75	0	22.27	0.288	2
20	18700	1860	1	0	23.41	0.375	2
20	18700	1860	1	49	23.12	0.351	2
20	18700	1860	1	99	22.81	0.327	2
20	18700	1860	100	0	21.51	0.242	2
20	18900	1880	1	0	23.69	0.400	2
20	18900	1880	1	49	23.70	0.401	2
20	18900	1880	1	99	23.52	0.385	2
20	18900	1880	100	0	22.28	0.289	2
20	19100	1900	1	0	23.06	0.346	2
20	19100	1900	1	49	23.26	0.362	2
20	19100	1900	1	99	22.97	0.339	2
20	19100	1900	100	0	22.20	0.284	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	16-QAM (dBm)	16-QAM EIRP(W)	Limit EIRP(W)
1.4	18607	1850.7	1	0	22.07	0.275	2
1.4	18607	1850.7	1	2	22.22	0.285	2
1.4	18607	1850.7	1	5	21.97	0.269	2
1.4	18607	1850.7	6	0	21.38	0.235	2
1.4	18900	1880	1	0	22.33	0.292	2
1.4	18900	1880	1	2	22.53	0.306	2
1.4	18900	1880	1	5	22.41	0.298	2
1.4	18900	1880	6	0	21.45	0.239	2
1.4	19193	1909.3	1	0	22.16	0.281	2
1.4	19193	1909.3	1	2	22.15	0.281	2
1.4	19193	1909.3	1	5	21.87	0.263	2
1.4	19193	1909.3	6	0	21.16	0.223	2
3	18615	1851.5	1	0	22.21	0.284	2
3	18615	1851.5	1	7	22.65	0.315	2
3	18615	1851.5	1	14	22.57	0.309	2
3	18615	1851.5	15	0	21.30	0.231	2
3	18900	1880	1	0	22.50	0.304	2
3	18900	1880	1	7	22.43	0.299	2
3	18900	1880	1	14	22.15	0.281	2
3	18900	1880	15	0	21.31	0.231	2
3	19185	1908.5	1	0	22.42	0.299	2
3	19185	1908.5	1	7	22.10	0.277	2
3	19185	1908.5	1	14	22.59	0.310	2
3	19185	1908.5	15	0	21.13	0.222	2

Note:

1. EIRP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi)
2. EIRP (W) = $(10^{(\text{Power(dBm)}/10)}) \times 10^{-3}$

Mode					Conducted Power	EIRP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	16-QAM (dBm)	16-QAM EIRP(W)	Limit EIRP(W)
5	18625	1852.5	1	0	22.33	0.292	2
5	18625	1852.5	1	12	22.67	0.316	2
5	18625	1852.5	1	24	22.15	0.281	2
5	18625	1852.5	25	0	21.48	0.240	2
5	18900	1880	1	0	22.30	0.290	2
5	18900	1880	1	12	22.68	0.317	2
5	18900	1880	1	24	22.48	0.303	2
5	18900	1880	25	0	21.13	0.222	2
5	19175	1907.5	1	0	22.58	0.310	2
5	19175	1907.5	1	12	22.18	0.282	2
5	19175	1907.5	1	24	22.11	0.278	2
5	19175	1907.5	25	0	21.26	0.229	2
10	18650	1855	1	0	22.31	0.291	2
10	18650	1855	1	13	22.39	0.296	2
10	18650	1855	1	26	22.33	0.292	2
10	18650	1855	27	0	21.13	0.222	2
10	18900	1880	1	0	22.16	0.281	2
10	18900	1880	1	13	22.62	0.313	2
10	18900	1880	1	26	22.20	0.284	2
10	18900	1880	27	0	21.46	0.239	2
10	19150	1905	1	0	22.19	0.283	2
10	19150	1905	1	13	22.38	0.296	2
10	19150	1905	1	26	22.65	0.315	2
10	19150	1905	27	0	21.16	0.223	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	16-QAM (dBm)	16-QAM EIRP(W)	Limit EIRP(W)
15	18675	1857.5	1	0	22.63	0.313	2
15	18675	1857.5	1	13	22.34	0.293	2
15	18675	1857.5	1	26	22.31	0.291	2
15	18675	1857.5	27	0	21.18	0.224	2
15	18900	1880	1	0	22.50	0.304	2
15	18900	1880	1	13	22.36	0.294	2
15	18900	1880	1	26	22.57	0.309	2
15	18900	1880	27	0	21.48	0.240	2
15	19125	1902.5	1	0	22.38	0.296	2
15	19125	1902.5	1	13	22.54	0.307	2
15	19125	1902.5	1	26	22.48	0.303	2
15	19125	1902.5	27	0	21.38	0.235	2
20	18700	1860	1	0	22.78	0.324	2
20	18700	1860	1	13	22.55	0.308	2
20	18700	1860	1	26	22.62	0.313	2
20	18700	1860	27	0	21.51	0.242	2
20	18900	1880	1	0	21.89	0.264	2
20	18900	1880	1	13	22.12	0.279	2
20	18900	1880	1	26	22.81	0.327	2
20	18900	1880	27	0	21.23	0.227	2
20	19100	1900	1	0	22.50	0.304	2
20	19100	1900	1	13	22.73	0.321	2
20	19100	1900	1	26	22.56	0.308	2
20	19100	1900	27	0	21.15	0.223	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)	QPSK EIRP(W)	Limit EIRP(W)
1.4	131979	1710.7	1	0	22.92	0.428	1
1.4	131979	1710.7	1	2	23.16	0.452	1
1.4	131979	1710.7	1	5	23.04	0.440	1
1.4	131979	1710.7	6	0	22.03	0.348	1
1.4	132322	1745	1	0	23.29	0.466	1
1.4	132322	1745	1	2	23.46	0.484	1
1.4	132322	1745	1	5	23.33	0.470	1
1.4	132322	1745	6	0	22.16	0.359	1
1.4	132665	1779.3	1	0	23.47	0.485	1
1.4	132665	1779.3	1	2	23.32	0.469	1
1.4	132665	1779.3	1	5	23.21	0.457	1
1.4	132665	1779.3	6	0	22.42	0.381	1
3	131987	1711.5	1	0	23.47	0.485	1
3	131987	1711.5	1	7	23.29	0.466	1
3	131987	1711.5	1	14	23.05	0.441	1
3	131987	1711.5	15	0	22.15	0.358	1
3	132322	1745	1	0	23.22	0.458	1
3	132322	1745	1	7	23.12	0.448	1
3	132322	1745	1	14	23.27	0.463	1
3	132322	1745	15	0	22.14	0.357	1
3	132657	1778.5	1	0	23.01	0.437	1
3	132657	1778.5	1	7	23.35	0.472	1
3	132657	1778.5	1	14	23.45	0.483	1
3	132657	1778.5	15	0	22.12	0.356	1

Note:

1. EIRP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi)
2. EIRP (W) = $(10^{(\text{Power(dBm)}/10)}) \cdot 10^{-3}$

Mode					Conducted Power	EIRP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	QPSK EIRP(W)	Limit EIRP(W)
5	131997	1712.5	1	0	23.42	0.480	1
5	131997	1712.5	1	12	23.36	0.473	1
5	131997	1712.5	1	24	23.45	0.483	1
5	131997	1712.5	25	0	22.44	0.383	1
5	132322	1745	1	0	23.08	0.444	1
5	132322	1745	1	12	23.45	0.483	1
5	132322	1745	1	24	23.27	0.463	1
5	132322	1745	25	0	22.32	0.372	1
5	132647	1777.5	1	0	23.24	0.460	1
5	132647	1777.5	1	12	23.25	0.461	1
5	132647	1777.5	1	24	23.33	0.470	1
5	132647	1777.5	25	0	22.35	0.375	1
10	132022	1715	1	0	23.04	0.440	1
10	132022	1715	1	24	23.12	0.448	1
10	132022	1715	1	49	23.08	0.444	1
10	132022	1715	50	0	22.11	0.355	1
10	132322	1745	1	0	23.28	0.465	1
10	132322	1745	1	24	23.39	0.476	1
10	132322	1745	1	49	23.34	0.471	1
10	132322	1745	50	0	22.28	0.369	1
10	132622	1775	1	0	23.11	0.447	1
10	132622	1775	1	24	23.32	0.469	1
10	132622	1775	1	49	23.40	0.478	1
10	132622	1775	50	0	22.21	0.363	1

Note:

1. EIRP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi)
2. EIRP (W) = $(10^{(\text{Power(dBm)}/10)}) \cdot 10^{-3}$

Mode					Conducted Power	EIRP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	QPSK EIRP(W)	Limit EIRP(W)
15	132047	1717.5	1	0	23.44	0.482	1
15	132047	1717.5	1	37	23.47	0.485	1
15	132047	1717.5	1	74	23.33	0.470	1
15	132047	1717.5	75	0	22.21	0.363	1
15	132322	1745	1	0	23.20	0.456	1
15	132322	1745	1	37	23.25	0.461	1
15	132322	1745	1	74	23.03	0.439	1
15	132322	1745	75	0	22.47	0.385	1
15	132597	1772.5	1	0	23.44	0.482	1
15	132597	1772.5	1	37	23.22	0.458	1
15	132597	1772.5	1	74	23.14	0.450	1
15	132597	1772.5	75	0	22.41	0.380	1
20	132072	1720	1	0	23.42	0.480	1
20	132072	1720	1	49	23.38	0.475	1
20	132072	1720	1	99	23.18	0.454	1
20	132072	1720	100	0	22.14	0.357	1
20	132322	1745	1	0	23.09	0.445	1
20	132322	1745	1	49	23.49	0.488	1
20	132322	1745	1	99	23.01	0.437	1
20	132322	1745	100	0	22.15	0.358	1
20	132572	1770	1	0	23.44	0.482	1
20	132572	1770	1	49	23.33	0.470	1
20	132572	1770	1	99	23.31	0.468	1
20	132572	1770	100	0	22.39	0.378	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	16-QAM (dBm)	16-QAM EIRP(W)	Limit EIRP(W)
1.4	131979	1710.7	1	0	21.37	0.299	1
1.4	131979	1710.7	1	2	21.79	0.330	1
1.4	131979	1710.7	1	5	21.56	0.313	1
1.4	131979	1710.7	6	0	20.99	0.274	1
1.4	132322	1745	1	0	22.02	0.348	1
1.4	132322	1745	1	2	22.01	0.347	1
1.4	132322	1745	1	5	21.80	0.330	1
1.4	132322	1745	6	0	21.26	0.292	1
1.4	132665	1779.3	1	0	22.50	0.388	1
1.4	132665	1779.3	1	2	22.58	0.395	1
1.4	132665	1779.3	1	5	22.51	0.389	1
1.4	132665	1779.3	6	0	21.42	0.303	1
3	131987	1711.5	1	0	22.48	0.386	1
3	131987	1711.5	1	7	22.48	0.386	1
3	131987	1711.5	1	14	21.88	0.337	1
3	131987	1711.5	15	0	20.90	0.269	1
3	132322	1745	1	0	22.50	0.388	1
3	132322	1745	1	7	22.06	0.351	1
3	132322	1745	1	14	22.35	0.375	1
3	132322	1745	15	0	20.97	0.273	1
3	132657	1778.5	1	0	22.20	0.362	1
3	132657	1778.5	1	7	22.30	0.371	1
3	132657	1778.5	1	14	22.14	0.357	1
3	132657	1778.5	15	0	21.43	0.303	1

Note:

1. EIRP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi)
2. EIRP (W) = $(10^{(\text{Power(dBm)}/10)}) \times 10^{-3}$

Mode					Conducted Power	EIRP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	16-QAM (dBm)	16-QAM EIRP(W)	Limit EIRP(W)
5	131997	1712.5	1	0	21.84	0.333	1
5	131997	1712.5	1	12	22.06	0.351	1
5	131997	1712.5	1	24	22.09	0.353	1
5	131997	1712.5	25	0	21.49	0.308	1
5	132322	1745	1	0	22.26	0.367	1
5	132322	1745	1	12	22.52	0.390	1
5	132322	1745	1	24	22.47	0.385	1
5	132322	1745	25	0	21.10	0.281	1
5	132647	1777.5	1	0	22.45	0.384	1
5	132647	1777.5	1	12	22.48	0.386	1
5	132647	1777.5	1	24	22.29	0.370	1
5	132647	1777.5	25	0	20.91	0.269	1
10	132022	1715	1	0	21.87	0.336	1
10	132022	1715	1	13	22.10	0.354	1
10	132022	1715	1	26	21.82	0.332	1
10	132022	1715	27	0	21.10	0.281	1
10	132322	1745	1	0	22.45	0.384	1
10	132322	1745	1	13	22.19	0.361	1
10	132322	1745	1	26	22.28	0.369	1
10	132322	1745	27	0	21.30	0.294	1
10	132622	1775	1	0	22.21	0.363	1
10	132622	1775	1	13	22.18	0.361	1
10	132622	1775	1	26	22.55	0.393	1
10	132622	1775	27	0	21.14	0.284	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	16-QAM (dBm)	16-QAM EIRP(W)	Limit EIRP(W)
15	132047	1717.5	1	0	22.30	0.371	1
15	132047	1717.5	1	13	21.92	0.340	1
15	132047	1717.5	1	26	21.90	0.338	1
15	132047	1717.5	27	0	21.40	0.301	1
15	132322	1745	1	0	22.37	0.377	1
15	132322	1745	1	13	21.96	0.343	1
15	132322	1745	1	26	21.90	0.338	1
15	132322	1745	27	0	21.07	0.279	1
15	132597	1772.5	1	0	21.87	0.336	1
15	132597	1772.5	1	13	22.55	0.393	1
15	132597	1772.5	1	26	22.09	0.353	1
15	132597	1772.5	27	0	21.10	0.281	1
20	132072	1720	1	0	22.07	0.352	1
20	132072	1720	1	13	22.03	0.348	1
20	132072	1720	1	26	22.34	0.374	1
20	132072	1720	27	0	20.98	0.274	1
20	132322	1745	1	0	21.91	0.339	1
20	132322	1745	1	13	22.60	0.397	1
20	132322	1745	1	26	21.81	0.331	1
20	132322	1745	27	0	21.22	0.289	1
20	132572	1770	1	0	22.53	0.391	1
20	132572	1770	1	13	21.97	0.344	1
20	132572	1770	1	26	22.02	0.348	1
20	132572	1770	27	0	20.95	0.272	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

Mode					Conducted Power	EIRP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	QPSK ERP(W)	Limit ERP(W)
1.4	20407	824.7	1	0	23.66	0.131	7
1.4	20407	824.7	1	2	23.88	0.137	7
1.4	20407	824.7	1	5	23.77	0.134	7
1.4	20407	824.7	6	0	22.67	0.104	7
1.4	20525	836.5	1	0	23.66	0.131	7
1.4	20525	836.5	1	2	23.81	0.135	7
1.4	20525	836.5	1	5	23.69	0.132	7
1.4	20525	836.5	6	0	22.79	0.107	7
1.4	20643	848.3	1	0	23.76	0.134	7
1.4	20643	848.3	1	2	23.76	0.134	7
1.4	20643	848.3	1	5	23.89	0.138	7
1.4	20643	848.3	6	0	22.66	0.104	7
3	20415	825.5	1	0	23.87	0.137	7
3	20415	825.5	1	7	23.96	0.140	7
3	20415	825.5	1	14	23.66	0.131	7
3	20415	825.5	15	0	22.78	0.107	7
3	20525	836.5	1	0	23.95	0.140	7
3	20525	836.5	1	7	23.93	0.139	7
3	20525	836.5	1	14	23.82	0.136	7
3	20525	836.5	15	0	22.74	0.106	7
3	20635	847.5	1	0	23.96	0.140	7
3	20635	847.5	1	7	23.76	0.134	7
3	20635	847.5	1	14	23.69	0.132	7
3	20635	847.5	15	0	22.62	0.103	7

Note:

1. ERP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15
2. ERP (W) = $(10^{(\text{Power(dBm)}/10)}) \times 10^{-3}$

Mode					Conducted Power	EIRP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	QPSK ERP(W)	Limit ERP(W)
5	20425	825.6	1	0	23.95	0.140	7
5	20425	825.6	1	12	23.68	0.131	7
5	20425	825.6	1	24	23.90	0.138	7
5	20425	825.6	25	0	22.79	0.107	7
5	20525	836.5	1	0	23.91	0.138	7
5	20525	836.5	1	12	23.97	0.140	7
5	20525	836.5	1	24	23.75	0.133	7
5	20525	836.5	25	0	22.78	0.107	7
5	20625	846.5	1	0	23.74	0.133	7
5	20625	846.5	1	12	23.84	0.136	7
5	20625	846.5	1	24	23.81	0.135	7
5	20625	846.5	25	0	22.61	0.103	7
10	20450	829	1	0	23.95	0.140	7
10	20450	829	1	24	23.89	0.138	7
10	20450	829	1	49	23.69	0.132	7
10	20450	829	50	0	22.66	0.104	7
10	20525	836.5	1	0	23.70	0.132	7
10	20525	836.5	1	24	23.98	0.141	7
10	20525	836.5	1	49	23.66	0.131	7
10	20525	836.5	50	0	22.75	0.106	7
10	20600	844	1	0	23.95	0.140	7
10	20600	844	1	24	23.72	0.132	7
10	20600	844	1	49	23.73	0.133	7
10	20600	844	50	0	22.67	0.104	7

Note:

1. ERP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15
2. ERP (W) = $(10^{(\text{Power(dBm)}/10)}) \times 10^{-3}$

Mode					Conducted Power	EIRP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	16-QAM (dBm)	16-QAM ERP(W)	Limit ERP(W)
1.4	20407	824.7	1	0	22.33	0.096	7
1.4	20407	824.7	1	2	22.55	0.101	7
1.4	20407	824.7	1	5	22.45	0.099	7
1.4	20407	824.7	6	0	21.68	0.083	7
1.4	20525	836.5	1	0	22.89	0.109	7
1.4	20525	836.5	1	2	22.87	0.109	7
1.4	20525	836.5	1	5	22.90	0.110	7
1.4	20525	836.5	6	0	21.85	0.086	7
1.4	20643	848.3	1	0	22.69	0.104	7
1.4	20643	848.3	1	2	22.46	0.099	7
1.4	20643	848.3	1	5	22.53	0.101	7
1.4	20643	848.3	6	0	21.71	0.083	7
3	20415	825.5	1	0	22.61	0.103	7
3	20415	825.5	1	7	22.69	0.104	7
3	20415	825.5	1	14	22.55	0.101	7
3	20415	825.5	15	0	21.84	0.086	7
3	20525	836.5	1	0	22.61	0.103	7
3	20525	836.5	1	7	22.79	0.107	7
3	20525	836.5	1	14	22.45	0.099	7
3	20525	836.5	15	0	21.69	0.083	7
3	20635	847.5	1	0	22.59	0.102	7
3	20635	847.5	1	7	22.86	0.109	7
3	20635	847.5	1	14	22.84	0.108	7
3	20635	847.5	15	0	21.84	0.086	7

Note:

1. ERP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15
2. ERP (W) = $(10^{(\text{Power(dBm)}/10)}) \times 10^{-3}$

Mode					Conducted Power	EIRP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	16-QAM (dBm)	16-QAM ERP(W)	Limit ERP(W)
5	20425	825.6	1	0	22.58	0.102	7
5	20425	825.6	1	12	22.58	0.102	7
5	20425	825.6	1	24	22.66	0.104	7
5	20425	825.6	25	0	21.85	0.086	7
5	20525	836.5	1	0	22.75	0.106	7
5	20525	836.5	1	12	22.55	0.101	7
5	20525	836.5	1	24	22.64	0.103	7
5	20525	836.5	25	0	21.82	0.086	7
5	20625	846.5	1	0	22.90	0.110	7
5	20625	846.5	1	12	22.55	0.101	7
5	20625	846.5	1	24	22.79	0.107	7
5	20625	846.5	25	0	21.81	0.085	7
10	20450	829	1	0	22.89	0.109	7
10	20450	829	1	13	22.57	0.102	7
10	20450	829	1	26	22.84	0.108	7
10	20450	829	27	0	21.79	0.085	7
10	20525	836.5	1	0	22.62	0.103	7
10	20525	836.5	1	13	22.90	0.110	7
10	20525	836.5	1	26	22.59	0.102	7
10	20525	836.5	27	0	21.76	0.084	7
10	20600	844	1	0	22.82	0.108	7
10	20600	844	1	13	22.54	0.101	7
10	20600	844	1	26	22.45	0.099	7
10	20600	844	27	0	21.67	0.083	7

Note:

1. ERP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15
2. ERP (W) = $(10^{(\text{Power(dBm)}/10)}) \times 10^{-3}$

Mode 4: LTE Band 7

Mode					Conducted Power	EIRP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	QPSK EIRP(W)	Limit EIRP(W)
5	20775	2502.5	1	0	22.33	0.414	2
5	20775	2502.5	1	12	22.35	0.416	2
5	20775	2502.5	1	24	22.21	0.403	2
5	20775	2502.5	25	0	21.37	0.332	2
5	21100	2535	1	0	22.17	0.399	2
5	21100	2535	1	12	22.15	0.397	2
5	21100	2535	1	24	22.26	0.407	2
5	21100	2535	25	0	21.18	0.318	2
5	21425	2567.5	1	0	22.36	0.417	2
5	21425	2567.5	1	12	22.38	0.419	2
5	21425	2567.5	1	24	22.30	0.411	2
5	21425	2567.5	25	0	21.09	0.311	2
10	20800	2505	1	0	22.31	0.412	2
10	20800	2505	1	24	22.26	0.407	2
10	20800	2505	1	49	22.28	0.409	2
10	20800	2505	50	0	21.22	0.321	2
10	21100	2535	1	0	22.33	0.414	2
10	21100	2535	1	24	22.36	0.417	2
10	21100	2535	1	49	22.20	0.402	2
10	21100	2535	50	0	21.18	0.318	2
10	21400	2565	1	0	22.34	0.415	2
10	21400	2565	1	24	22.11	0.394	2
10	21400	2565	1	49	22.28	0.409	2
10	21400	2565	50	0	21.10	0.312	2

Note:

1. ERP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15dB
2. ERP (W) = $(10^{(\text{Power(dBm)}/10)}) \cdot 10^{-3}$

Mode					Conducted Power	EIRP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	QPSK EIRP(W)	Limit EIRP(W)
15	20825	2507.5	1	0	22.17	0.399	2
15	20825	2507.5	1	37	22.15	0.397	2
15	20825	2507.5	1	74	22.37	0.418	2
15	20825	2507.5	75	0	21.28	0.325	2
15	21100	2535	1	0	22.38	0.419	2
15	21100	2535	1	37	22.24	0.406	2
15	21100	2535	1	74	22.18	0.400	2
15	21100	2535	75	0	21.37	0.332	2
15	21375	2562.5	1	0	22.12	0.394	2
15	21375	2562.5	1	37	22.14	0.396	2
15	21375	2562.5	1	74	22.29	0.410	2
15	21375	2562.5	75	0	21.12	0.313	2
20	20850	2510	1	0	22.10	0.393	2
20	20850	2510	1	49	22.13	0.395	2
20	20850	2510	1	99	22.12	0.394	2
20	20850	2510	100	0	21.18	0.318	2
20	21100	2535	1	0	22.26	0.407	2
20	21100	2535	1	49	22.40	0.421	2
20	21100	2535	1	99	22.38	0.419	2
20	21100	2535	100	0	21.23	0.321	2
20	21350	2560	1	0	22.13	0.395	2
20	21350	2560	1	49	22.33	0.414	2
20	21350	2560	1	99	22.24	0.406	2
20	21350	2560	100	0	21.25	0.323	2

Note:

1. EIRP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi)
2. $EIRP (W) = (10^{(Power(dBm)/10)}) \cdot 10^{-3}$

Mode					Conducted Power	EIRP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	16-QAM (dBm)	16-QAM EIRP(W)	Limit EIRP(W)
5	20775	2502.5	1	0	21.06	0.309	2
5	20775	2502.5	1	12	20.77	0.289	2
5	20775	2502.5	1	24	20.88	0.296	2
5	20775	2502.5	25	0	20.56	0.275	2
5	21100	2535	1	0	20.68	0.283	2
5	21100	2535	1	12	20.64	0.281	2
5	21100	2535	1	24	20.51	0.272	2
5	21100	2535	25	0	20.33	0.261	2
5	21425	2567.5	1	0	21.41	0.335	2
5	21425	2567.5	1	12	21.36	0.331	2
5	21425	2567.5	1	24	21.30	0.327	2
5	21425	2567.5	25	0	20.07	0.246	2
10	20800	2505	1	0	21.33	0.329	2
10	20800	2505	1	13	21.17	0.317	2
10	20800	2505	1	26	20.86	0.295	2
10	20800	2505	27	0	20.57	0.276	2
10	21100	2535	1	0	20.59	0.277	2
10	21100	2535	1	13	21.27	0.324	2
10	21100	2535	1	26	20.72	0.286	2
10	21100	2535	27	0	20.68	0.283	2
10	21400	2565	1	0	20.84	0.294	2
10	21400	2565	1	13	21.39	0.333	2
10	21400	2565	1	26	21.10	0.312	2
10	21400	2565	27	0	20.58	0.277	2

Note:

1. EIRP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi)
2. $EIRP (W) = (10^{(Power(dBm)/10)}) \times 10^{-3}$

Mode					Conducted Power	EIRP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	16-QAM (dBm)	16-QAM EIRP(W)	Limit EIRP(W)
15	20825	2507.5	1	0	20.75	0.288	2
15	20825	2507.5	1	13	20.96	0.302	2
15	20825	2507.5	1	26	21.48	0.340	2
15	20825	2507.5	27	0	20.00	0.242	2
15	21100	2535	1	0	20.82	0.292	2
15	21100	2535	1	13	21.12	0.313	2
15	21100	2535	1	26	21.54	0.345	2
15	21100	2535	27	0	20.09	0.247	2
15	21375	2562.5	1	0	20.75	0.288	2
15	21375	2562.5	1	13	21.24	0.322	2
15	21375	2562.5	1	26	20.65	0.281	2
15	21375	2562.5	27	0	20.39	0.265	2
20	20850	2510	1	0	21.48	0.340	2
20	20850	2510	1	13	20.64	0.281	2
20	20850	2510	1	26	21.10	0.312	2
20	20850	2510	27	0	20.64	0.281	2
20	21100	2535	1	0	20.99	0.304	2
20	21100	2535	1	13	21.56	0.347	2
20	21100	2535	1	26	21.33	0.329	2
20	21100	2535	27	0	20.43	0.267	2
20	21350	2560	1	0	20.83	0.293	2
20	21350	2560	1	13	20.75	0.288	2
20	21350	2560	1	26	20.70	0.284	2
20	21350	2560	27	0	20.30	0.259	2

Note:

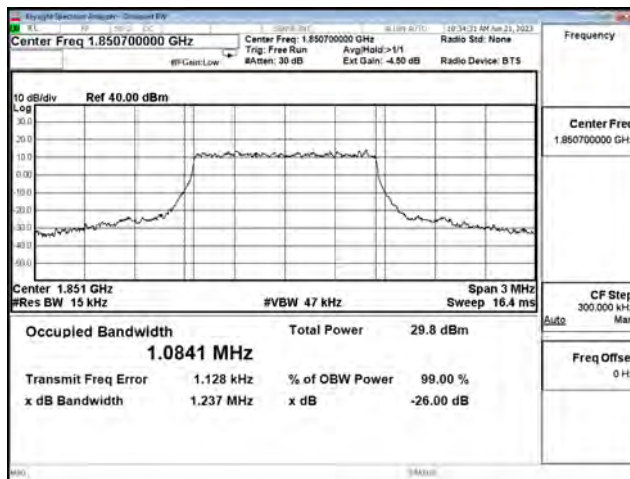
1. EIRP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi)
2. $EIRP (W) = (10^{(Power(dBm)/10)}) * 10^{-3}$

Appendix B. Test Result of Occupied Bandwidth

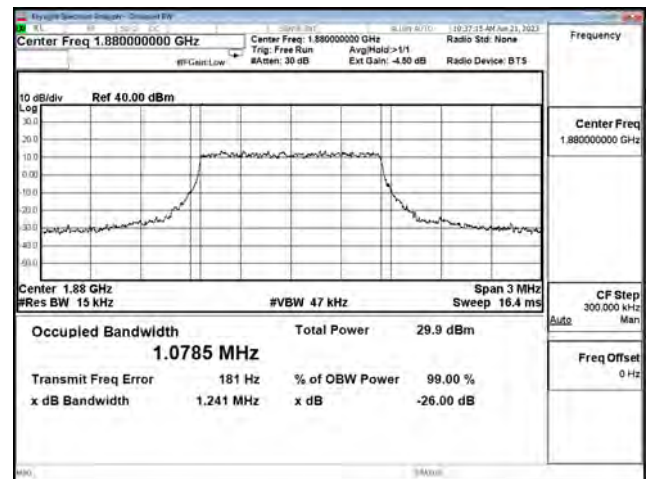
Mode 1: LTE Band 2

Bandwidth (MHz)	Modulation	Channel	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
				26dB BW	99% BW	
1.4M	QPSK	18607	1850.7	1.237	1.084	N/A
		18900	1880	1.241	1.078	N/A
		19193	1909.3	1.275	1.079	N/A
	16-QAM	18607	1850.7	1.255	1.080	N/A
		18900	1880	1.269	1.081	N/A
		19193	1909.3	1.234	1.078	N/A
3M	QPSK	18615	1851.5	2.917	2.683	N/A
		18900	1880	2.923	2.688	N/A
		19185	1908.5	2.928	2.685	N/A
	16-QAM	18615	1851.5	2.932	2.682	N/A
		18900	1880	2.931	2.681	N/A
		19185	1908.5	2.914	2.682	N/A
5M	QPSK	18625	1852.5	4.928	4.475	N/A
		18900	1880	4.916	4.483	N/A
		19175	1907.5	4.899	4.468	N/A
	16-QAM	18625	1852.5	4.875	4.472	N/A
		18900	1880	4.928	4.482	N/A
		19175	1907.5	4.938	4.477	N/A
10M	QPSK	18650	1855	9.754	8.933	N/A
		18900	1880	9.595	8.915	N/A
		19150	1905	9.676	8.923	N/A
	16-QAM	18650	1855	5.638	4.879	N/A
		18900	1880	5.565	4.875	N/A
		19150	1905	5.651	4.899	N/A
15M	QPSK	18675	1857.5	14.400	13.377	N/A
		18900	1880	14.400	13.347	N/A
		19125	1902.5	14.440	13.381	N/A
	16-QAM	18675	1857.5	5.765	4.935	N/A
		18900	1880	5.858	4.942	N/A
		19125	1902.5	5.883	4.933	N/A
20M	QPSK	18700	1860	19.040	17.857	N/A
		18900	1880	18.930	17.787	N/A
		19100	1900	19.290	17.847	N/A
	16-QAM	18700	1860	6.027	4.994	N/A
		18900	1880	6.016	4.978	N/A
		19100	1900	6.197	5.021	N/A

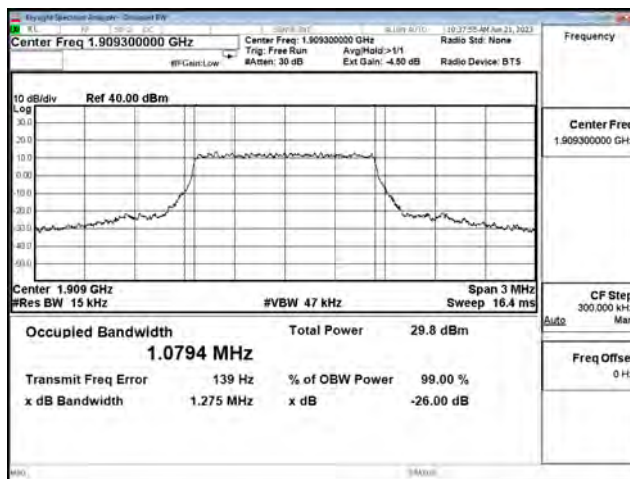
LTE Band 2_QPSK_CH18607_1.4M_Full RB



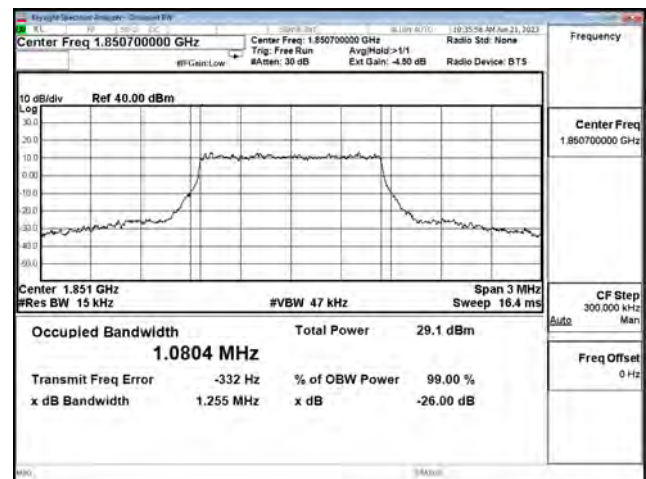
LTE Band 2_QPSK_CH18900_1.4M_Full RB



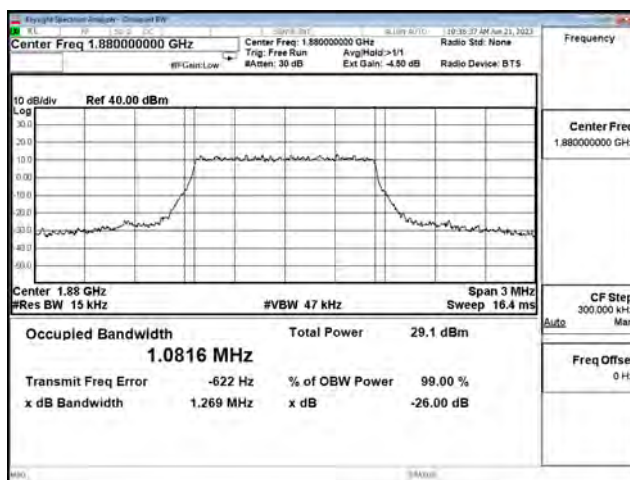
LTE Band 2_QPSK_CH19193_1.4M_Full RB



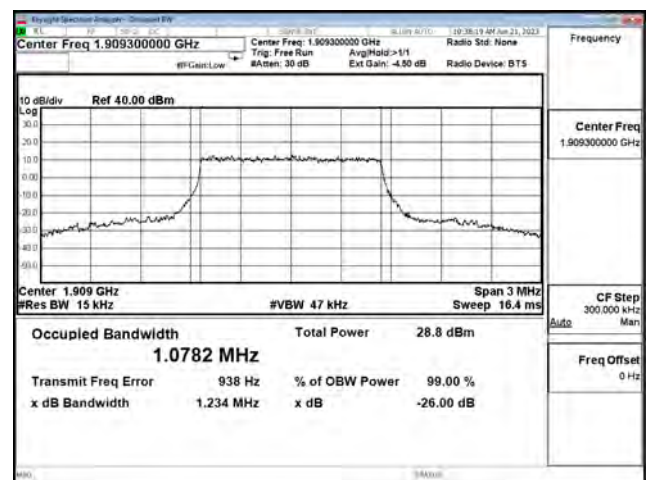
LTE Band 2_16QAM_CH18607_1.4M_Full RB



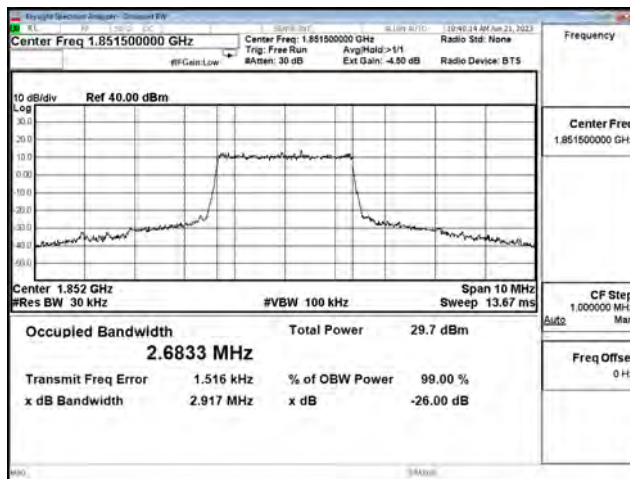
LTE Band 2_16QAM_CH18900_1.4M_Full RB



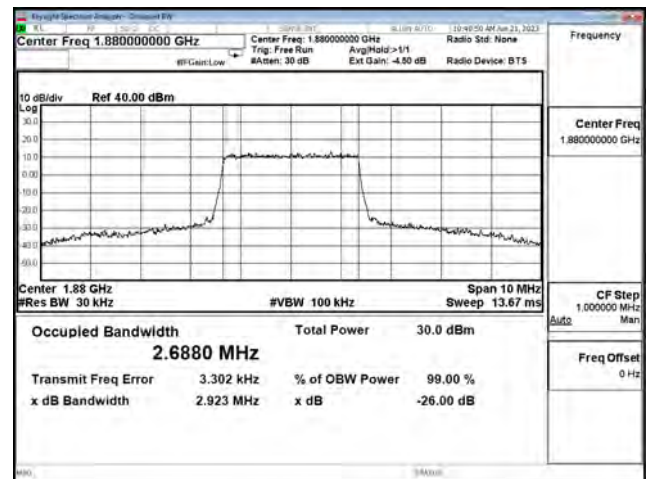
LTE Band 2_16QAM_CH19193_1.4M_Full RB



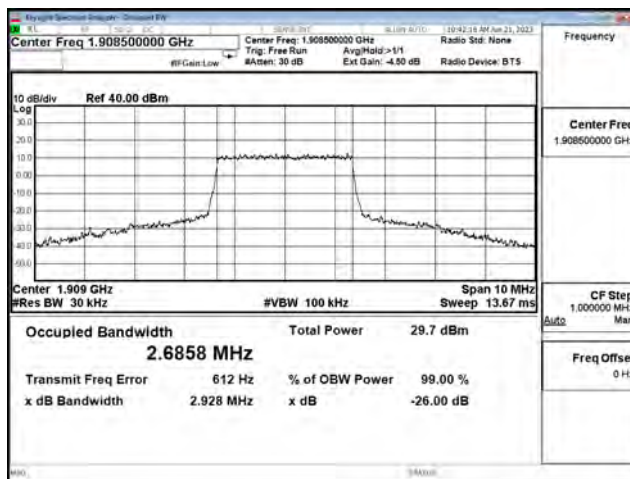
LTE Band 2_QPSK_CH18615_3M_Full RB



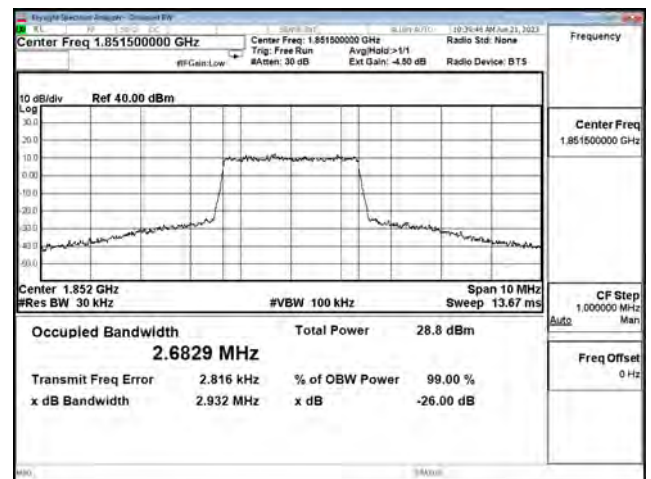
LTE Band 2_QPSK_CH18900_3M_Full RB



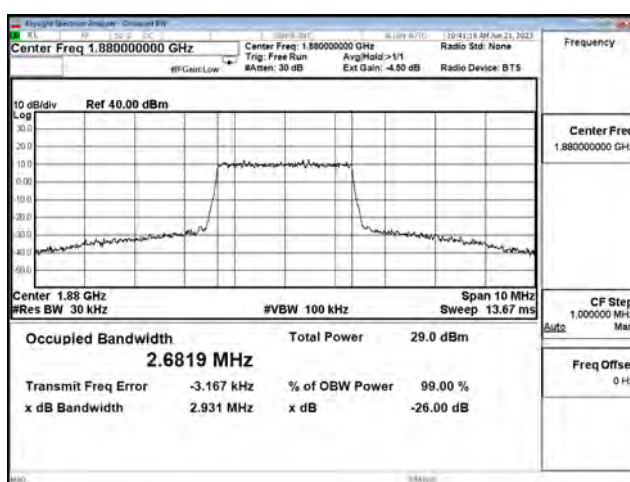
LTE Band 2_QPSK_CH19185_3M_Full RB



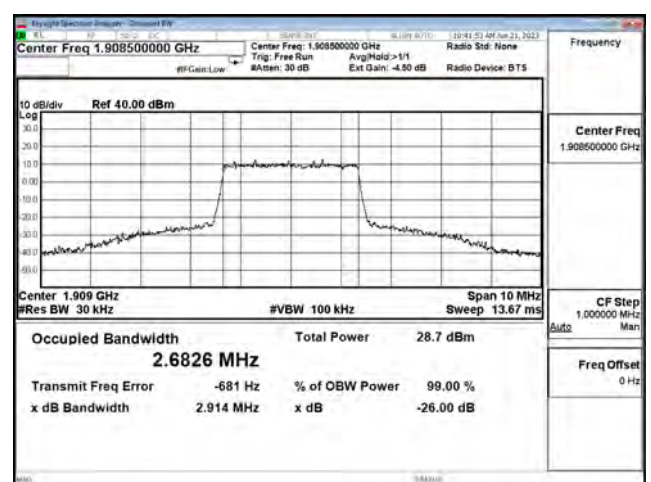
LTE Band 2_16QAM_CH18615_3M_Full RB



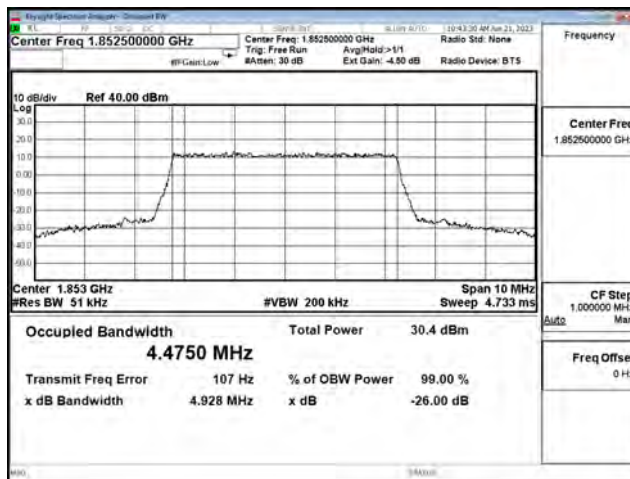
LTE Band 2_16QAM_CH18900_3M_Full RB



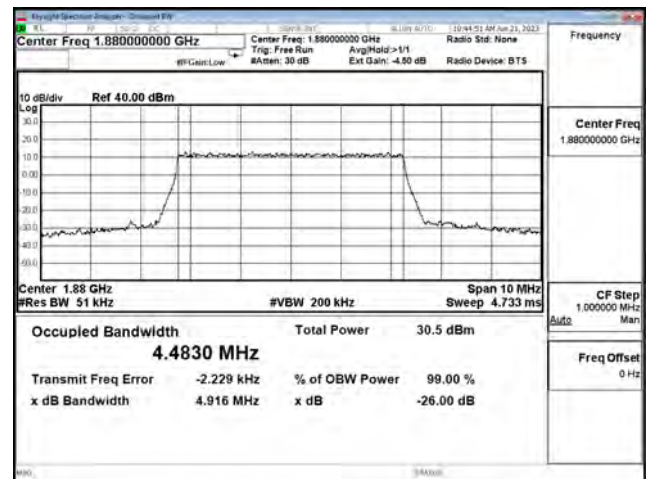
LTE Band 2_16QAM_CH19185_3M_Full RB



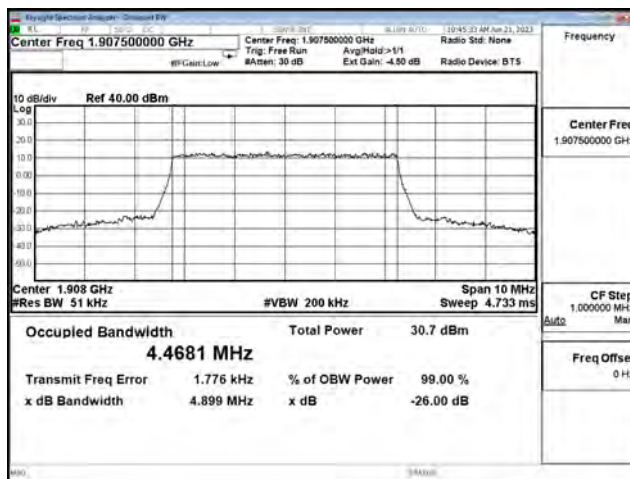
LTE Band 2_QPSK_CH18625_5M_Full RB



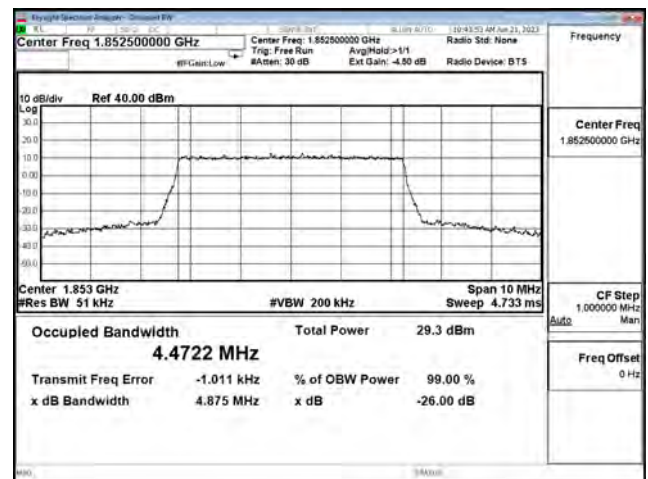
LTE Band 2_QPSK_CH18900_5M_Full RB



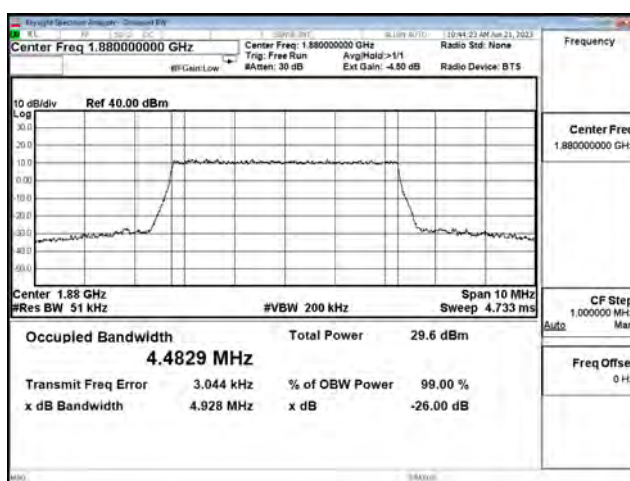
LTE Band 2_QPSK_CH19175_5M_Full RB



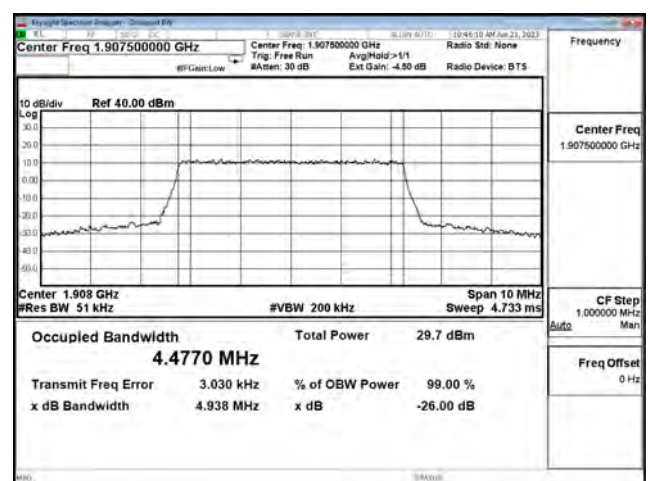
LTE Band 2_16QAM_CH18625_5M_Full RB



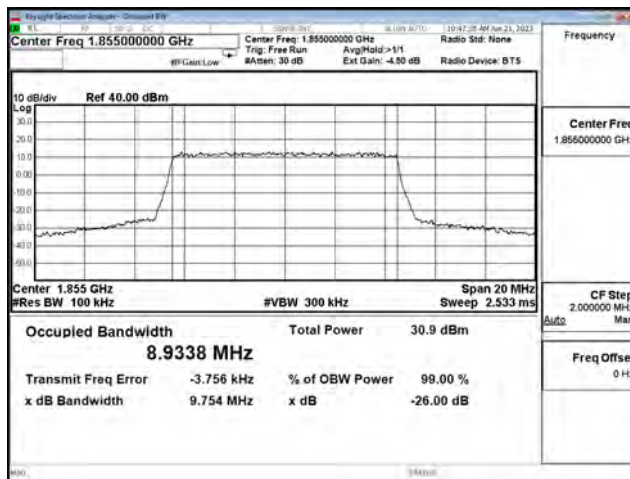
LTE Band 2_16QAM_CH18900_5M_Full RB



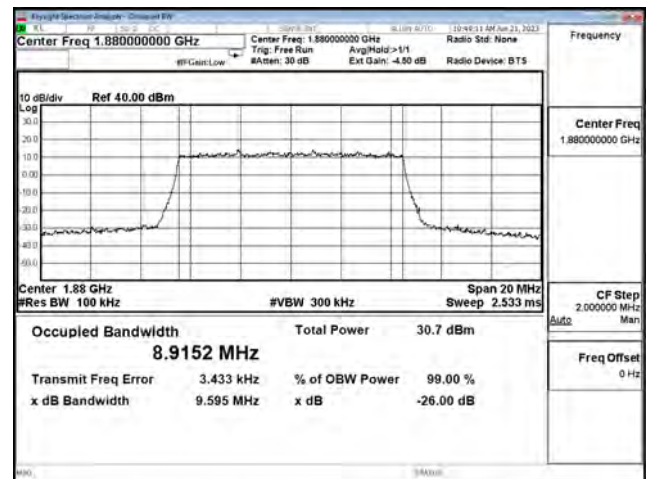
LTE Band 2_16QAM_CH19175_5M_Full RB



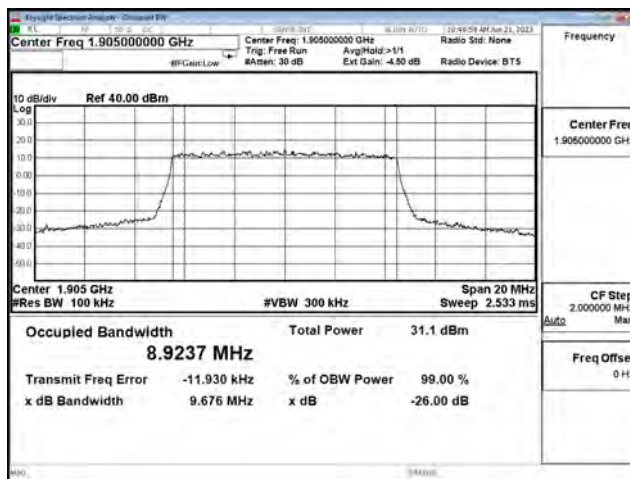
LTE Band 2_QPSK_CH18650_10M_Full RB



LTE Band 2_QPSK_CH18900_10M_Full RB



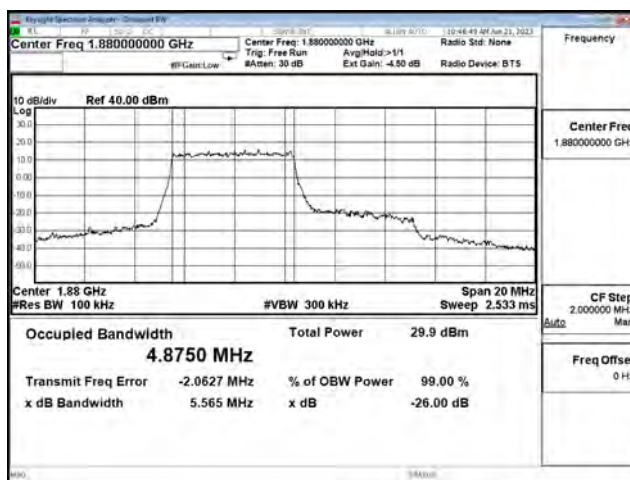
LTE Band 2_QPSK_CH19150_10M_Full RB



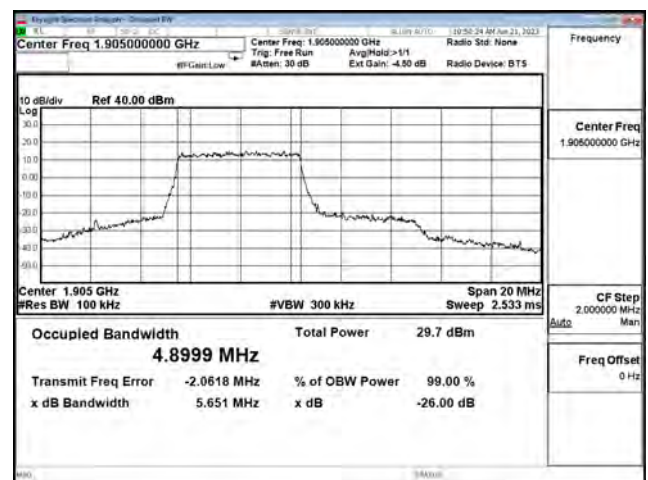
LTE Band 2_16QAM_CH18650_10M_Full RB



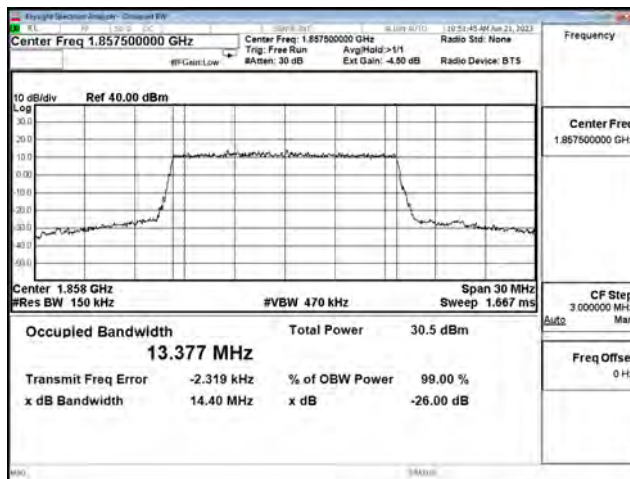
LTE Band 2_16QAM_CH18900_10M_Full RB



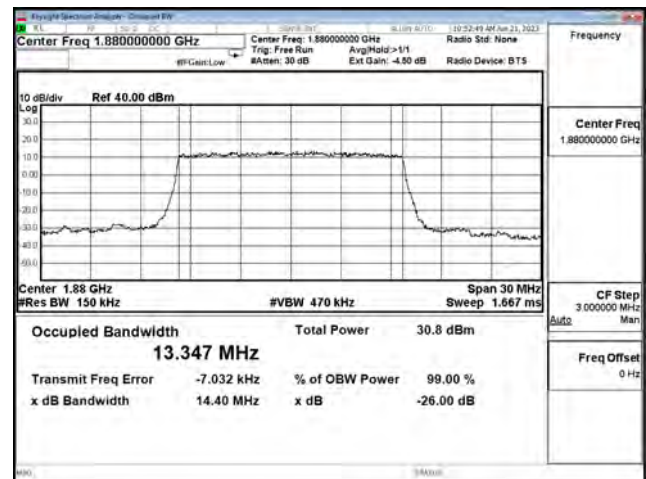
LTE Band 2_16QAM_CH19150_10M_Full RB



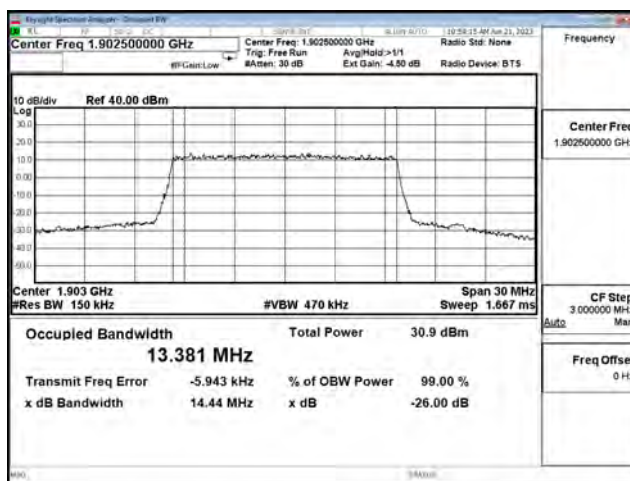
LTE Band 2_QPSK_CH18675_15M_Full RB



LTE Band 2_QPSK_CH18900_15M_Full RB



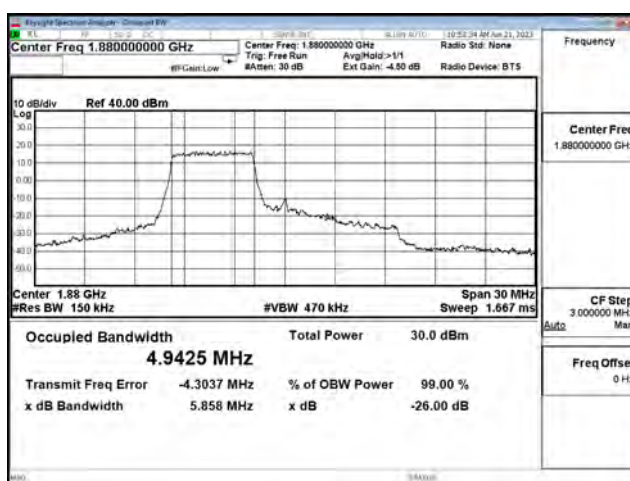
LTE Band 2_QPSK_CH 19125_15M_Full RB



LTE Band 2_16QAM_CH18675_15M_Full RB



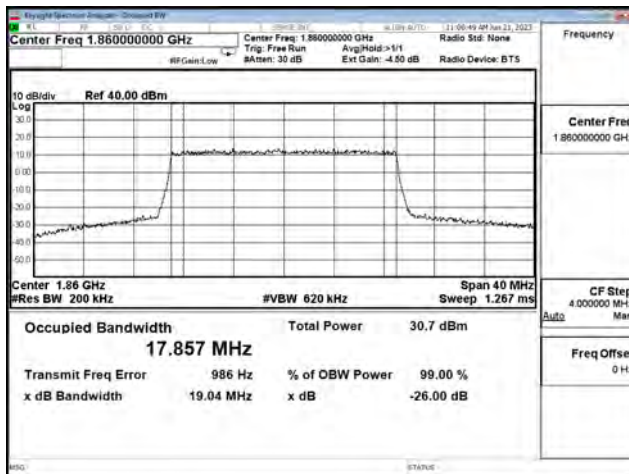
LTE Band 2_16QAM_CH18900_15M_Full RB



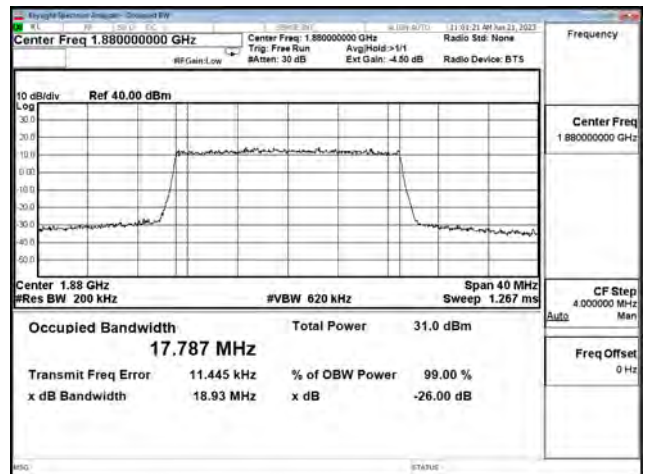
LTE Band 2_16QAM_CH 19125_15M_Full RB



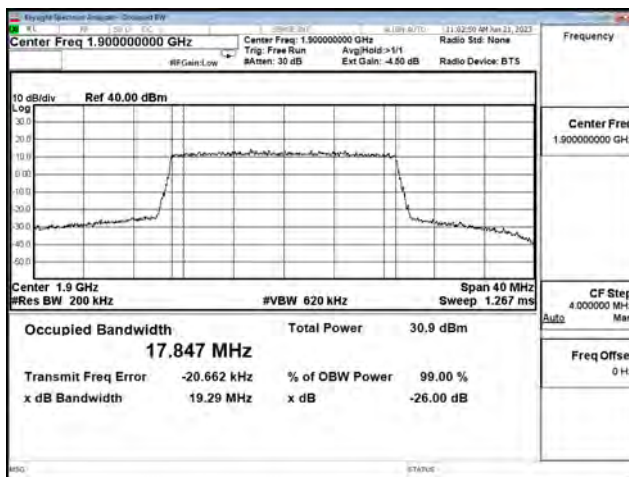
LTE Band 2_QPSK_CH18700_20M_Full RB



LTE Band 2_QPSK_CH18900_20M_Full RB



LTE Band 2_QPSK_CH19100_20M_Full RB



LTE Band 2_16QAM_CH18700_20M_Full RB



LTE Band 2_16QAM_CH18900_20M_Full RB



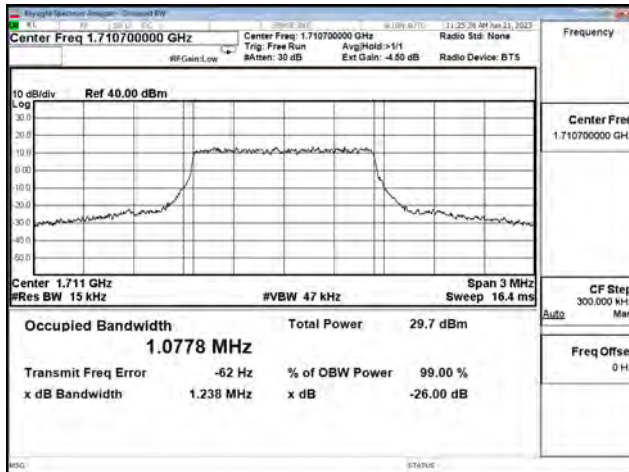
LTE Band 2_16QAM_CH19100_20M_Full RB



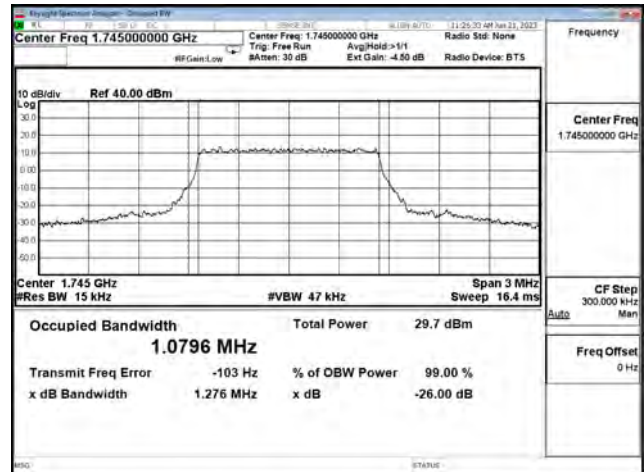
Mode 2: LTE Band 4/66

Bandwidth (MHz)	Modulation	Channel	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
				26dB BW	99% BW	
1.4M	QPSK	131979	1710.7	1.238	1.077	N/A
		132322	1745	1.276	1.079	N/A
		132665	1779.3	1.239	1.084	N/A
	16-QAM	131979	1710.7	1.273	1.082	N/A
		132322	1745	1.225	1.077	N/A
		132665	1779.3	1.255	1.080	N/A
3M	QPSK	131987	1711.5	2.922	2.684	N/A
		132322	1745	2.926	2.689	N/A
		132657	1778.5	2.933	2.684	N/A
	16-QAM	131987	1711.5	2.941	2.683	N/A
		132322	1745	2.930	2.682	N/A
		132657	1778.5	2.934	2.684	N/A
5M	QPSK	131997	1712.5	4.930	4.483	N/A
		132322	1745	4.906	4.481	N/A
		132647	1777.5	4.895	4.467	N/A
	16-QAM	131997	1712.5	4.874	4.472	N/A
		132322	1745	4.928	4.482	N/A
		132647	1777.5	4.938	4.476	N/A
10M	QPSK	132022	1715	9.754	8.932	N/A
		132322	1745	9.671	8.917	N/A
		132622	1775	9.698	8.917	N/A
	16-QAM	132022	1715	5.633	4.878	N/A
		132322	1745	5.567	4.882	N/A
		132622	1775	5.618	4.889	N/A
15M	QPSK	132047	1717.5	14.480	13.391	N/A
		132322	1745	14.390	13.354	N/A
		132597	1772.5	14.450	13.366	N/A
	16-QAM	132047	1717.5	5.799	4.918	N/A
		132322	1745	5.848	4.949	N/A
		132597	1772.5	5.816	4.907	N/A
20M	QPSK	132072	1720	18.870	17.844	N/A
		132322	1745	18.920	17.824	N/A
		132572	1770	19.090	17.869	N/A
	16-QAM	132072	1720	5.867	4.985	N/A
		132322	1745	5.899	4.976	N/A
		132572	1770	5.984	4.986	N/A

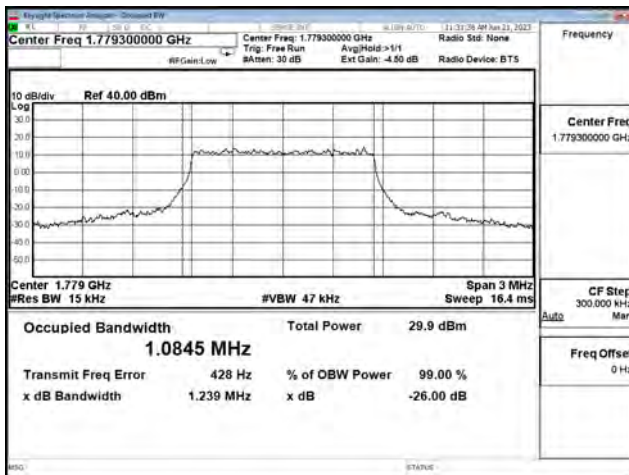
LTE Band 4/66_QPSK_CH131979_1.4M_Full RB



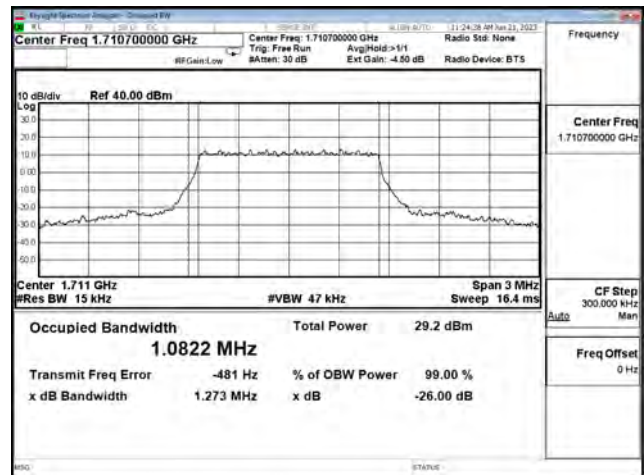
LTE Band 4/66_QPSK_CH132322_1.4M_Full RB



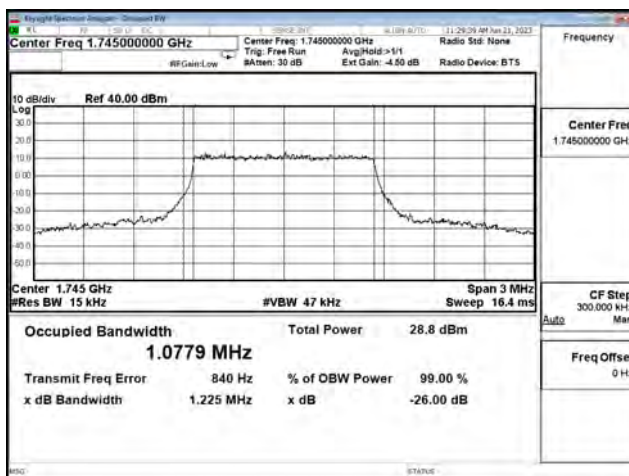
LTE Band 4/66_QPSK_CH132665_1.4M_Full RB



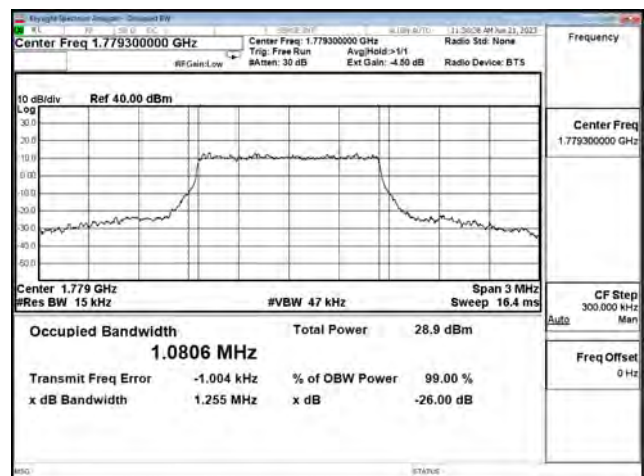
LTE Band 4/66_16QAM_CH131979_1.4M_Full RB



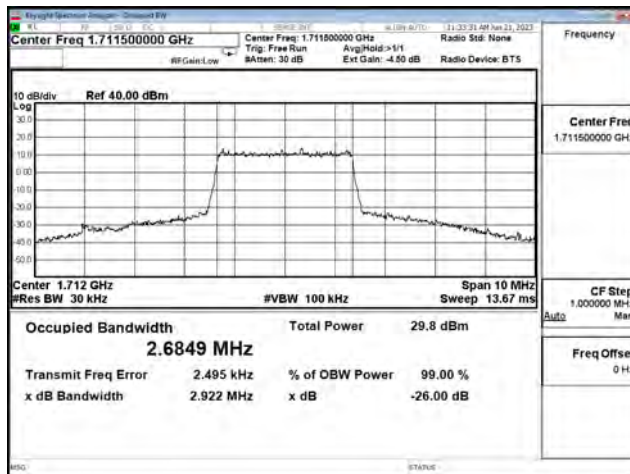
LTE Band 4/66_16QAM_CH132322_1.4M_Full RB



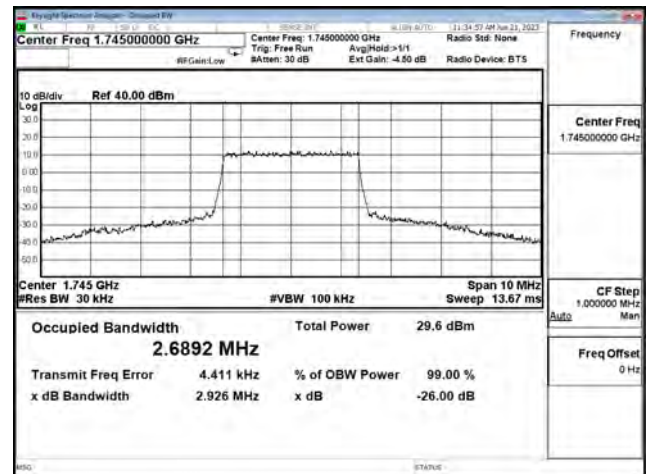
LTE Band 4/66_16QAM_CH132665_1.4M_Full RB



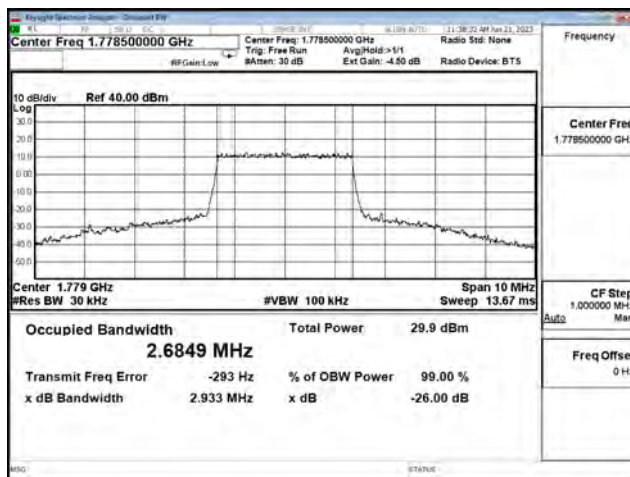
LTE Band 4/66_QPSK_CH131987_3M_Full RB



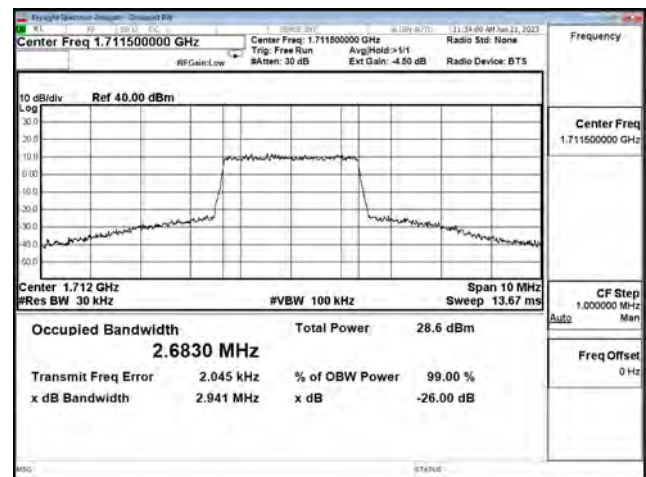
LTE Band 4/66_QPSK_CH132322_3M_Full RB



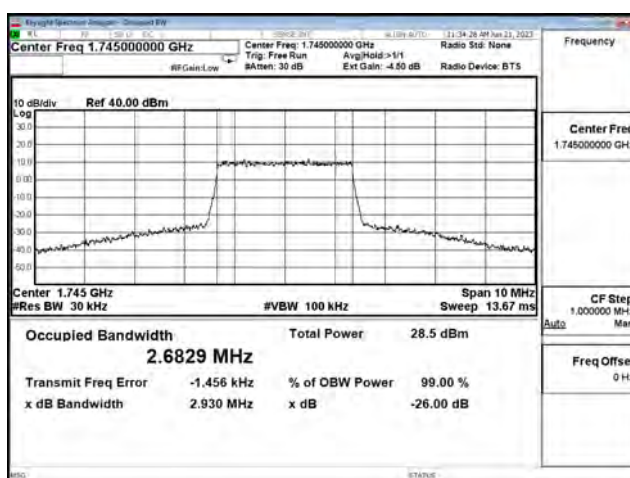
LTE Band 4/66_QPSK_CH132657_3M_Full RB



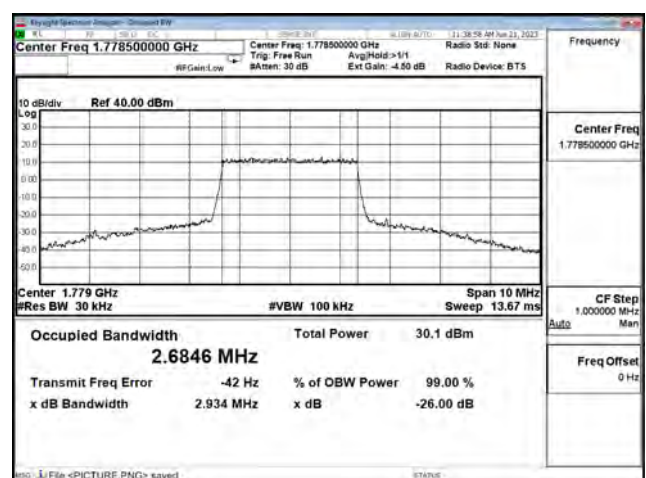
LTE Band 4/66_16QAM_CH131987_3M_Full RB



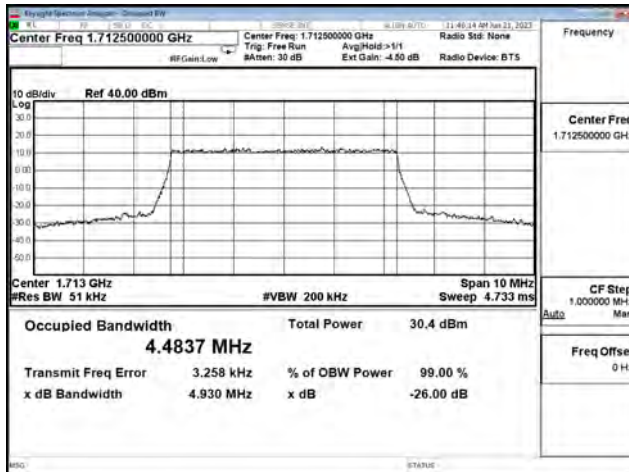
LTE Band 4/66_16QAM_CH132322_3M_Full RB



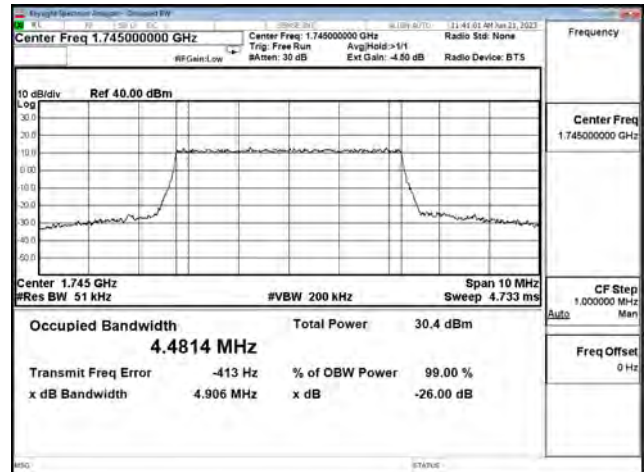
LTE Band 4/66_16QAM_CH132657_3M_Full RB



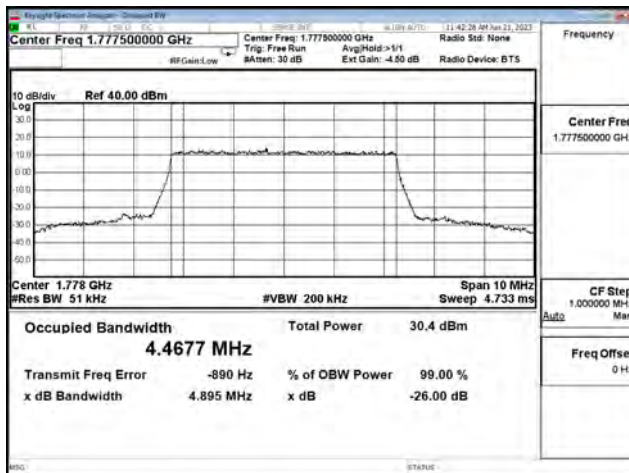
LTE Band 4/66_QPSK_CH131997_5M_Full RB



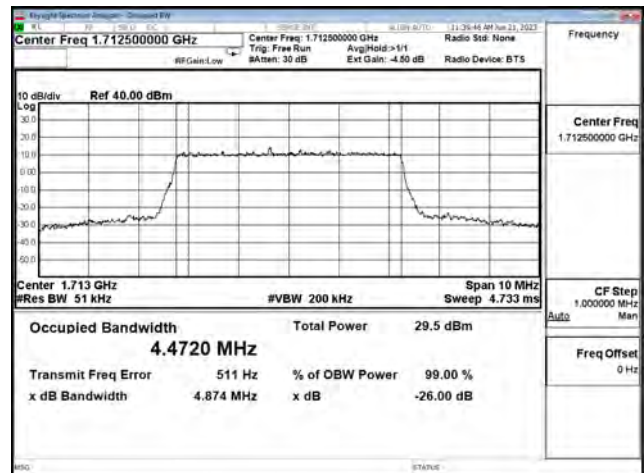
LTE Band 4/66_QPSK_CH132322_5M_Full RB



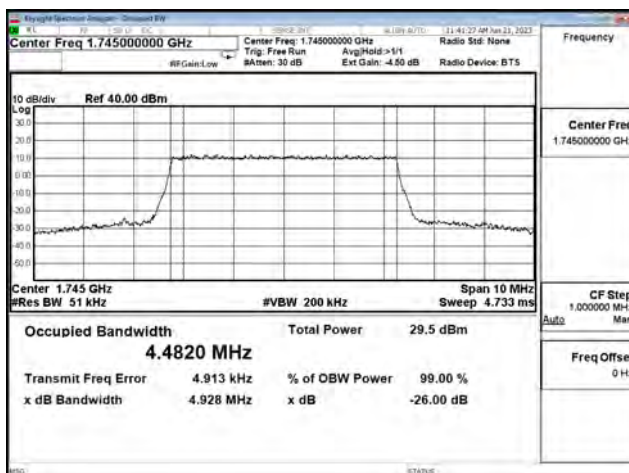
LTE Band 4/66_QPSK_CH132647_5M_Full RB



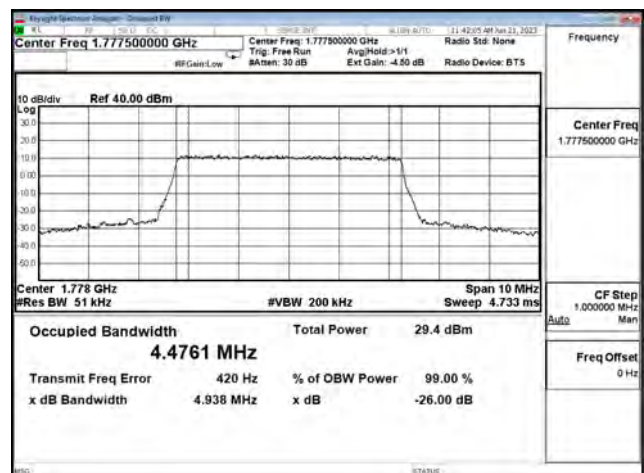
LTE Band 4/66_16QAM_CH131997_5M_Full RB



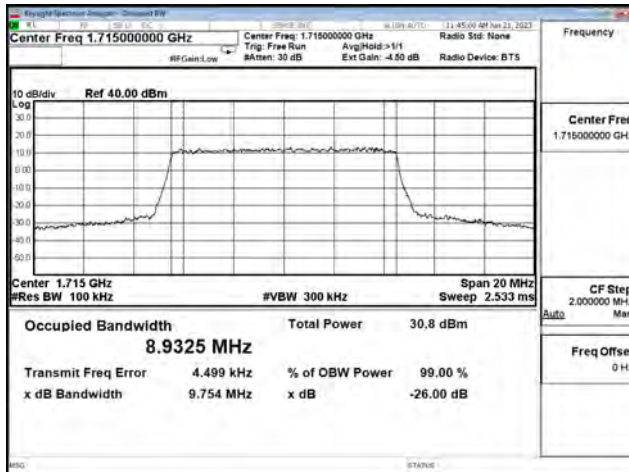
LTE Band 4/66_16QAM_CH132322_5M_Full RB



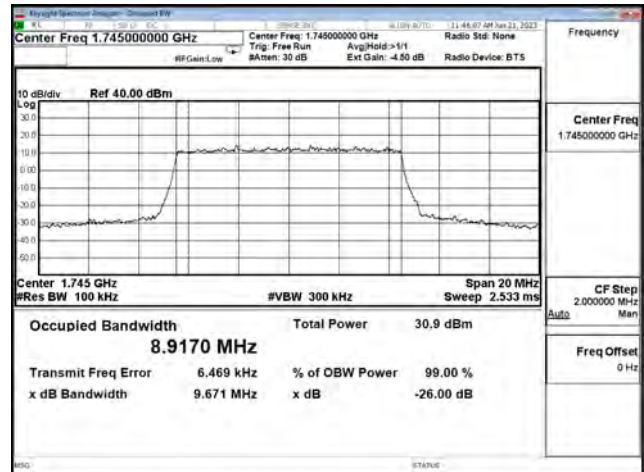
LTE Band 4/66_16QAM_CH132647_5M_Full RB



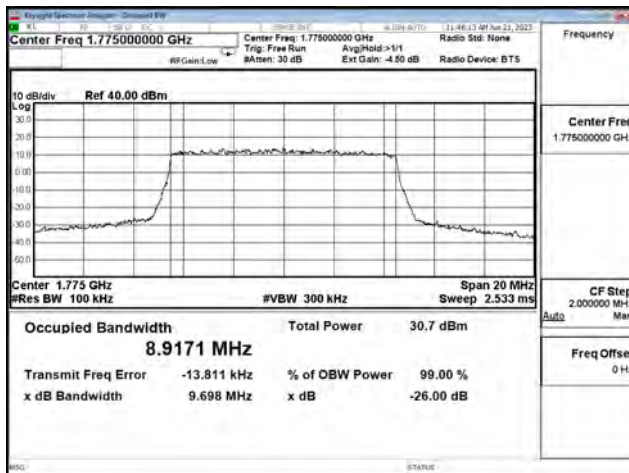
LTE Band 4/66_QPSK_CH132022_10M_Full RB



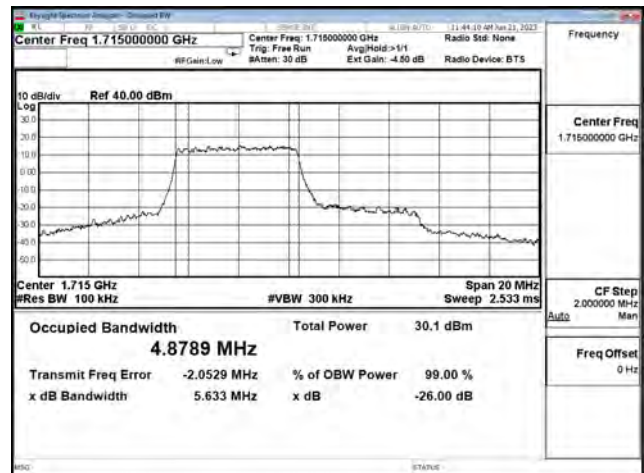
LTE Band 4/66_QPSK_CH132322_10M_Full RB



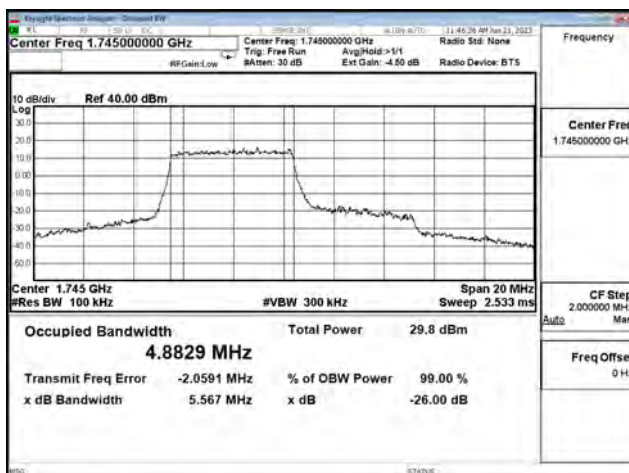
LTE Band 4/66_QPSK_CH132622_10M_Full RB



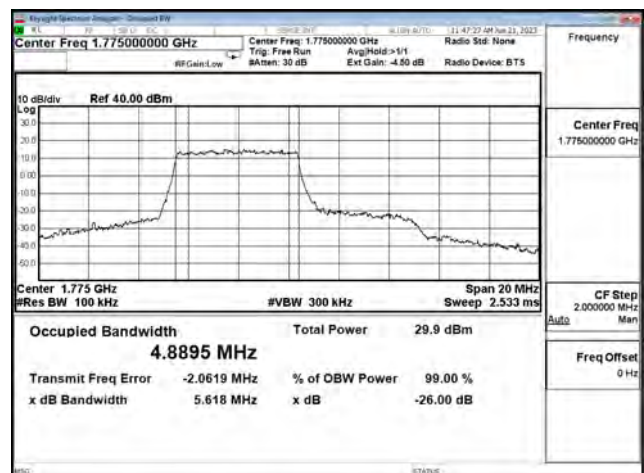
LTE Band 4/66_16QAM_CH132022_10M_Full RB



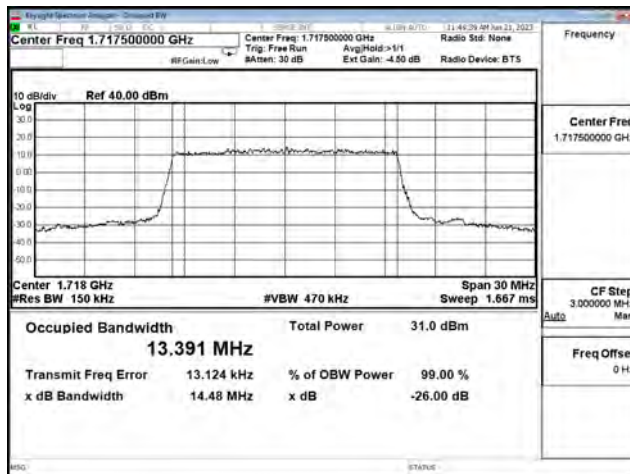
LTE Band 4/66_16QAM_CH132322_10M_Full RB



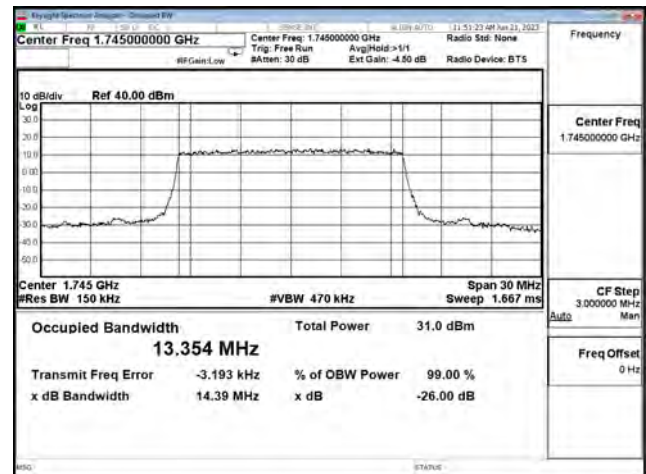
LTE Band 4/66_16QAM_CH132622_10M_Full RB



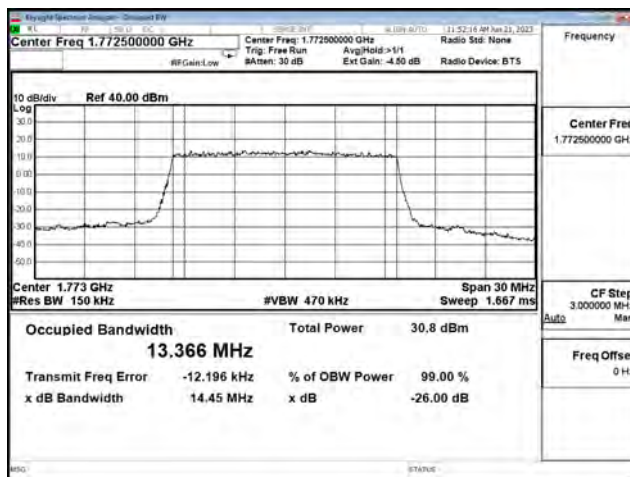
LTE Band 4/66_QPSK_CH132047_15M_Full RB



LTE Band 4/66_QPSK_CH132322_15M_Full RB



LTE Band 4/66_QPSK_CH132597_15M_Full RB



LTE Band 4/66_16QAM_CH132047_15M_Full RB



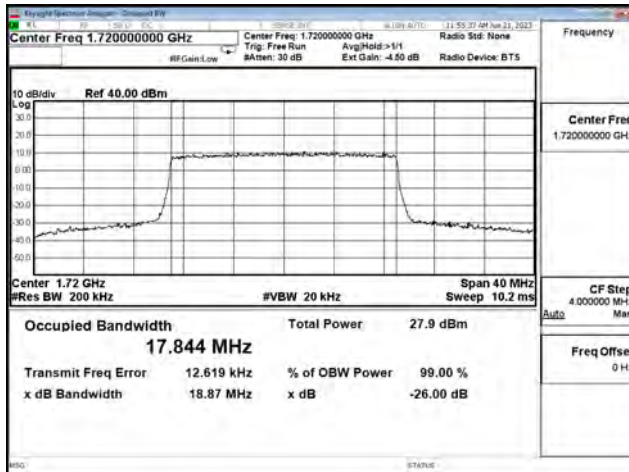
LTE Band 4/66_16QAM_CH132322_15M_Full RB



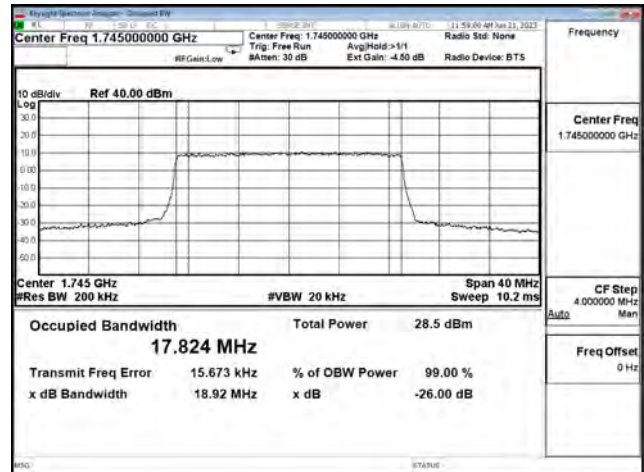
LTE Band 4/66_16QAM_CH132597_15M_Full RB



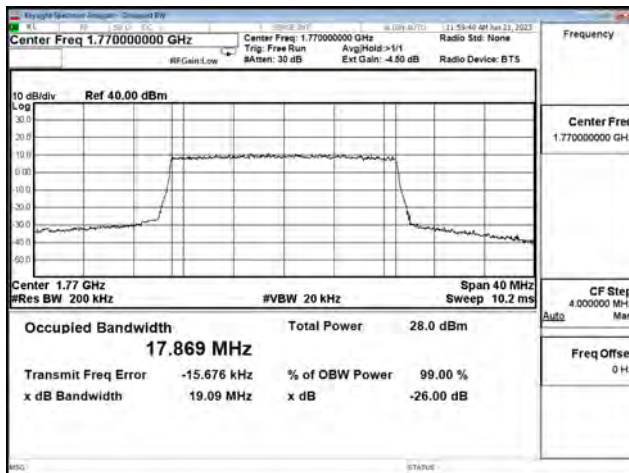
LTE Band 4/66_QPSK_CH132072_20M_Full RB



LTE Band 4/66_QPSK_CH132322_20M_Full RB



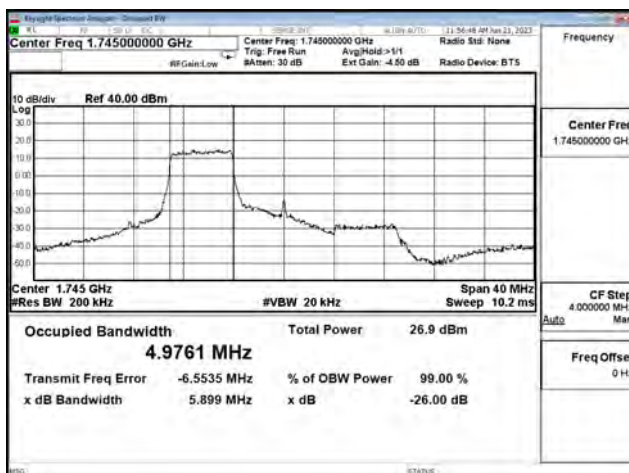
LTE Band 4/66_QPSK_CH132572_20M_Full RB



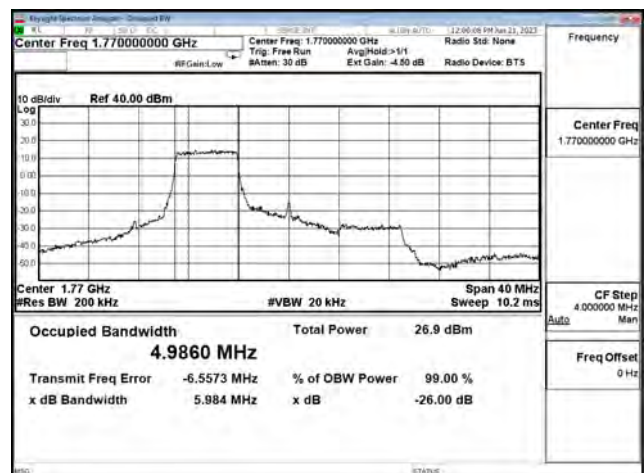
LTE Band 4/66_16QAM_CH132072_20M_Full RB



LTE Band 4/66_16QAM_CH132322_20M_Full RB



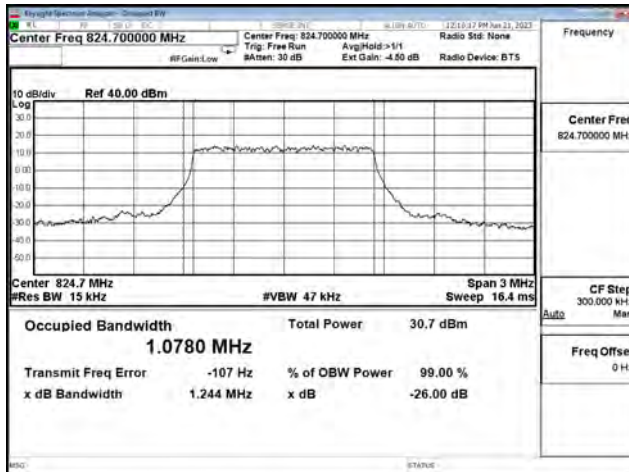
LTE Band 4/66_16QAM_CH132572_20M_Full RB



Mode 3: LTE Band 5

Bandwidth (MHz)	Modulation	Channel	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
				26dB BW	99% BW	
1.4M	QPSK	20407	824.7	1.244	1.078	N/A
		20525	836.5	1.256	1.078	N/A
		20643	848.3	1.244	1.082	N/A
	16-QAM	20407	824.7	1.269	1.081	N/A
		20525	836.5	1.223	1.077	N/A
		20643	848.3	1.243	1.079	N/A
3M	QPSK	20415	825.5	2.923	2.685	N/A
		20525	836.5	2.921	2.688	N/A
		20635	847.5	2.938	2.683	N/A
	16-QAM	20415	825.5	2.934	2.682	N/A
		20525	836.5	2.926	2.680	N/A
		20635	847.5	2.916	2.680	N/A
5M	QPSK	20425	826.5	4.938	4.481	N/A
		20525	836.5	4.888	4.479	N/A
		20625	846.5	4.902	4.465	N/A
	16-QAM	20425	826.5	4.863	4.469	N/A
		20525	836.5	4.911	4.478	N/A
		20625	846.5	4.950	4.475	N/A
10M	QPSK	20450	829.0	9.747	8.933	N/A
		20525	836.5	9.644	8.915	N/A
		20600	844.0	9.652	8.917	N/A
	16-QAM	20450	829.0	5.607	4.883	N/A
		20525	836.5	5.572	4.877	N/A
		20600	844.0	5.622	4.893	N/A

LTE Band 5_QPSK_CH20407_1.4M_Full RB



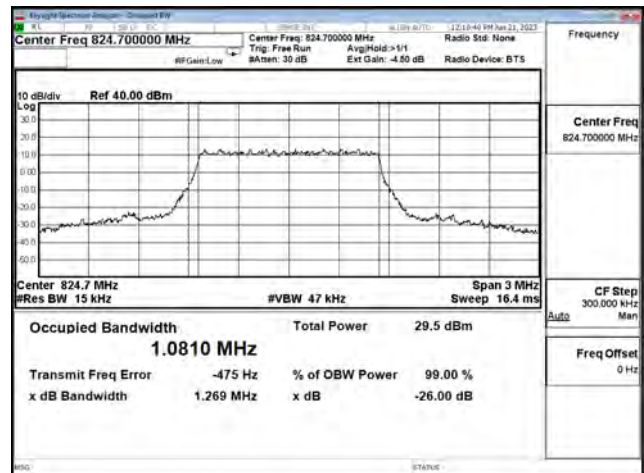
LTE Band 5_QPSK_CH20525_1.4M_Full RB



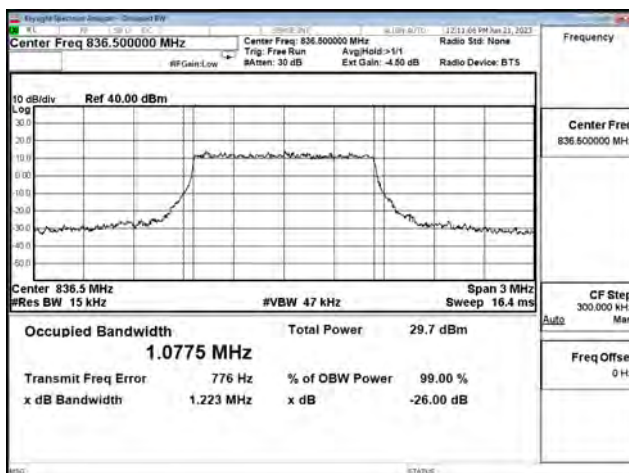
LTE Band 5_QPSK_CH20643_1.4M_Full RB



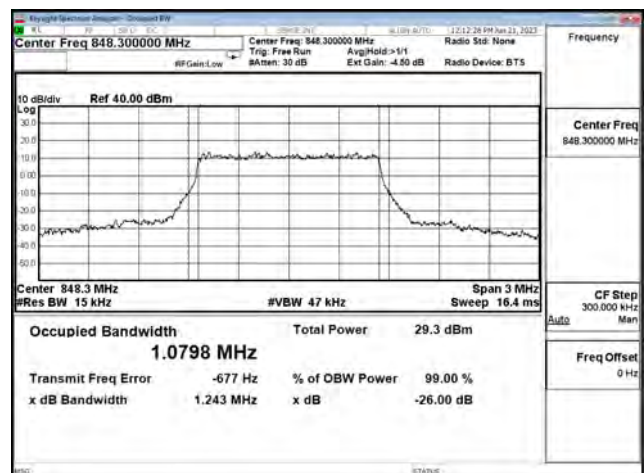
LTE Band 5_16QAM_CH20407_1.4M_Full RB



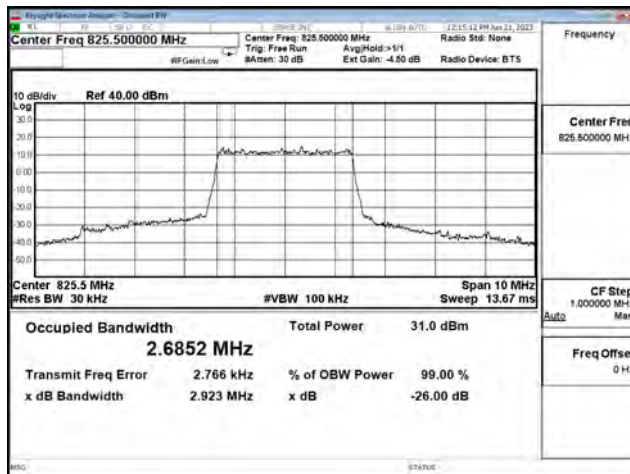
LTE Band 5_16QAM_CH20525_1.4M_Full RB



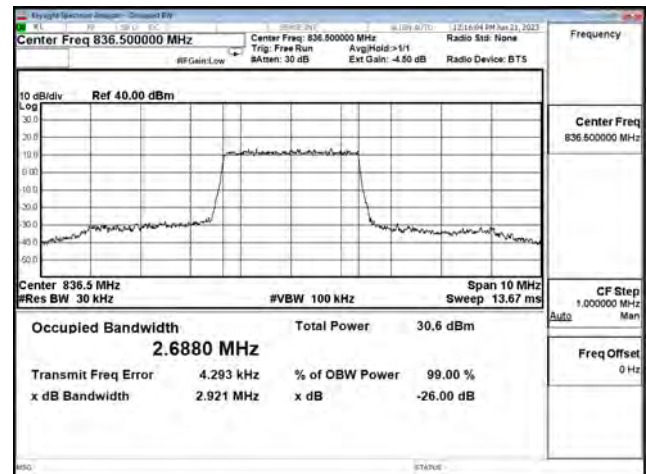
LTE Band 5_16QAM_CH20643_1.4M_Full RB



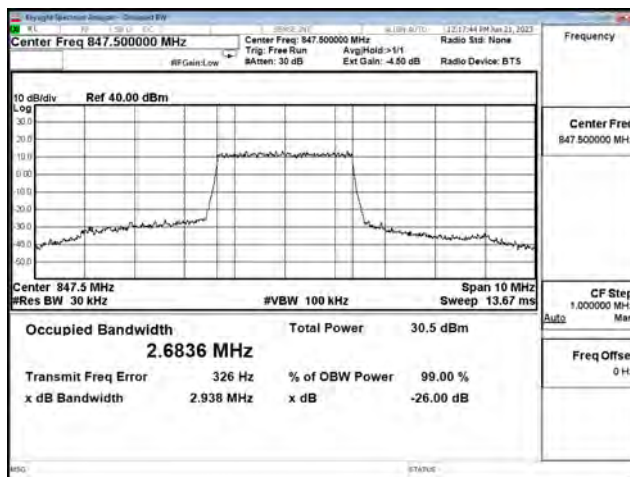
LTE Band 5_QPSK_CH20415_3M_Full RB



LTE Band 5_QPSK_CH20525_3M_Full RB



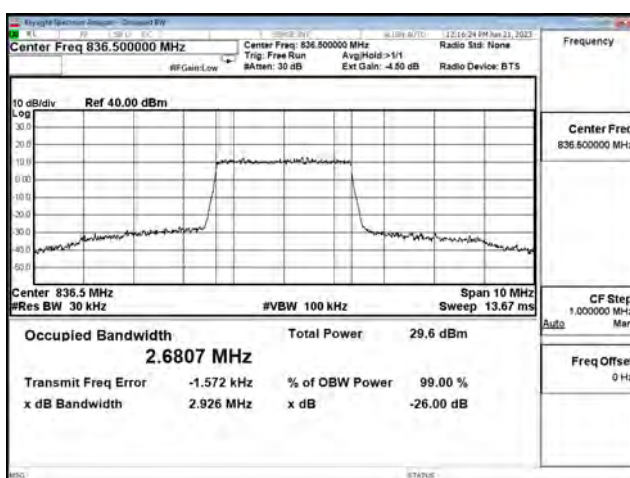
LTE Band 5_QPSK_CH20635_3M_Full RB



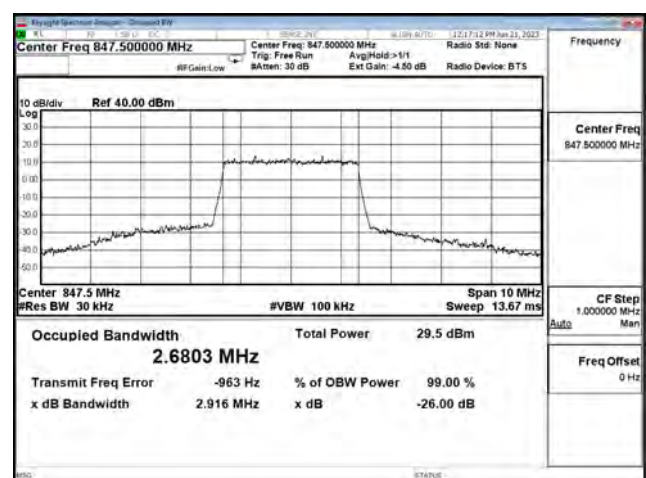
LTE Band 5_16QAM_CH20415_3M_Full RB



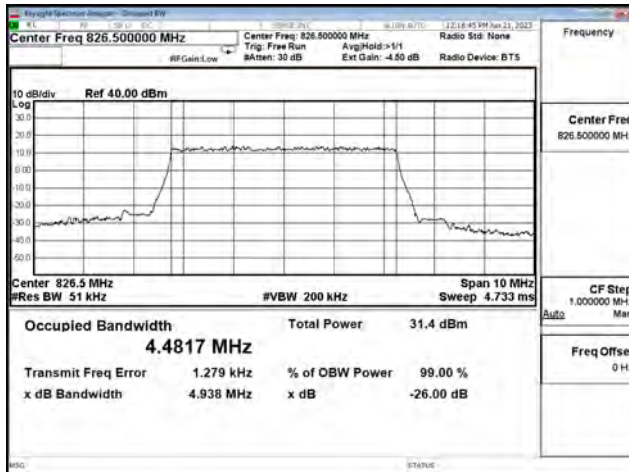
LTE Band 5_16QAM_CH20525_3M_Full RB



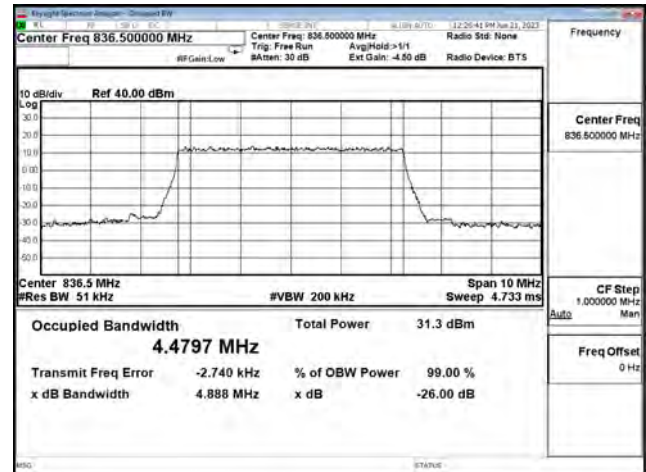
LTE Band 5_16QAM_CH20635_3M_Full RB



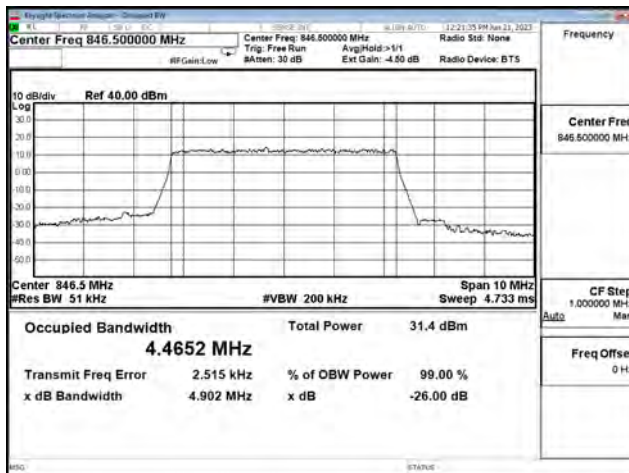
LTE Band 5_QPSK_CH20425_5M_Full RB



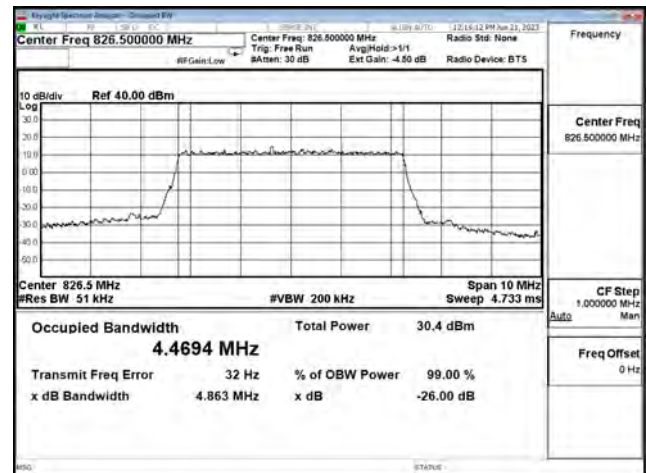
LTE Band 5_QPSK_CH20525_5M_Full RB



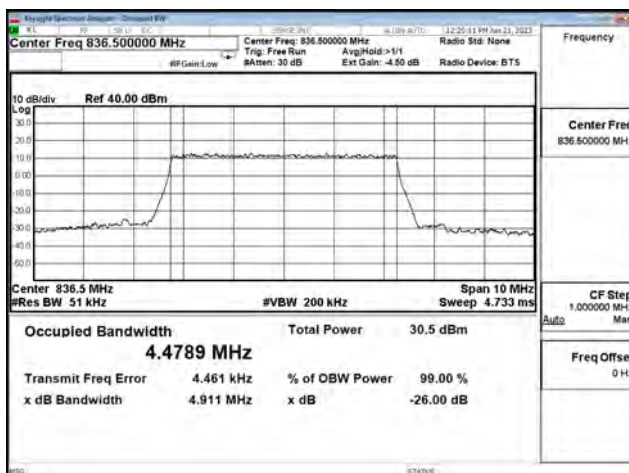
LTE Band 5_QPSK_CH20625_5M_Full RB



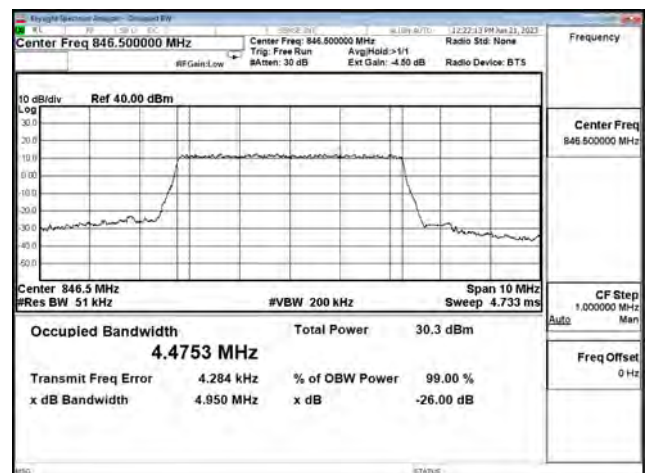
LTE Band 5_16QAM_CH20425_5M_Full RB



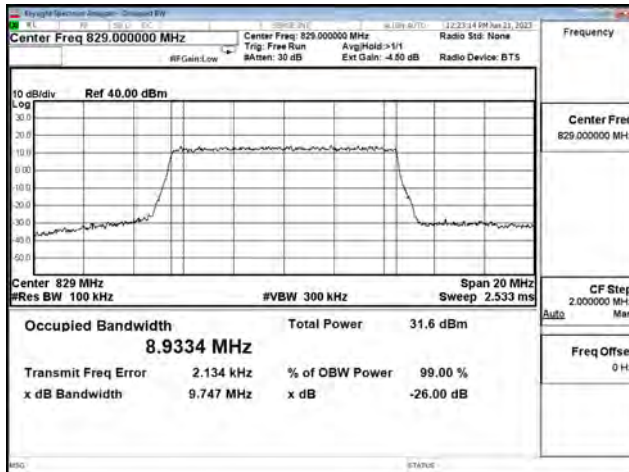
LTE Band 5_16QAM_CH20525_5M_Full RB



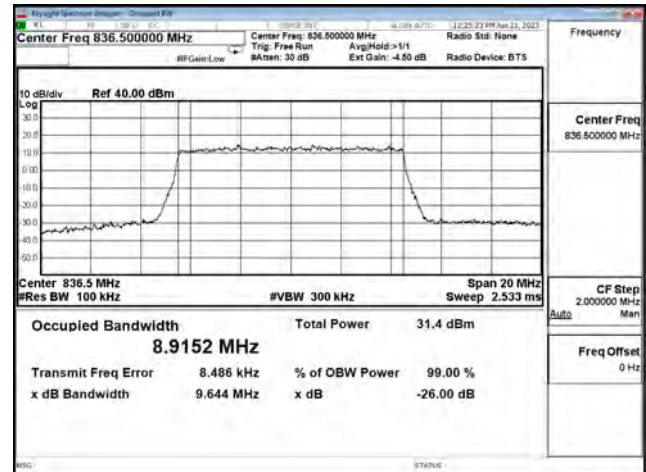
LTE Band 5_16QAM_CH20625_5M_Full RB



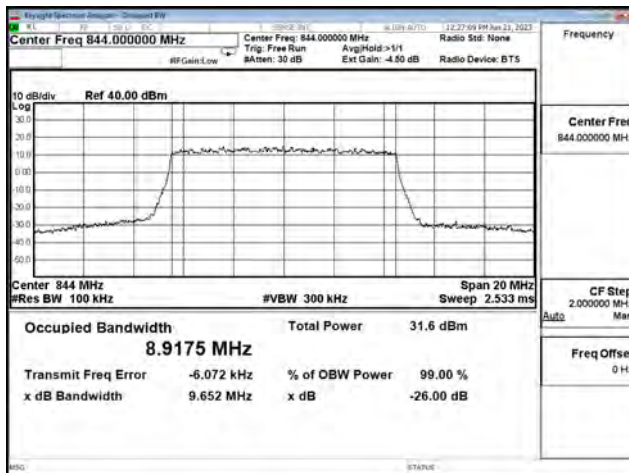
LTE Band 5_QPSK_CH20450_10M_Full RB



LTE Band 5_QPSK_CH20525_10M_Full RB



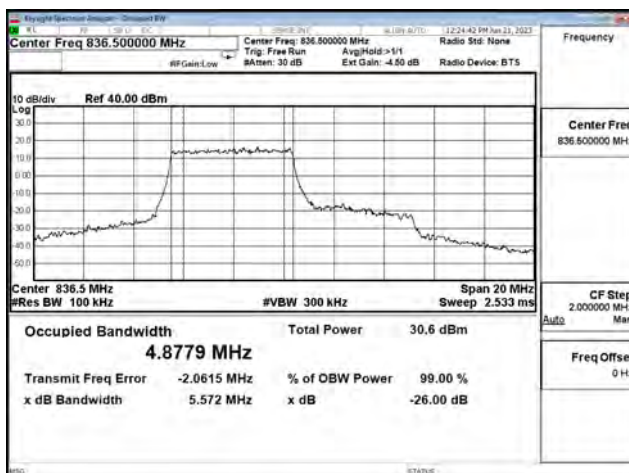
LTE Band 5_QPSK_CH20600_10M_Full RB



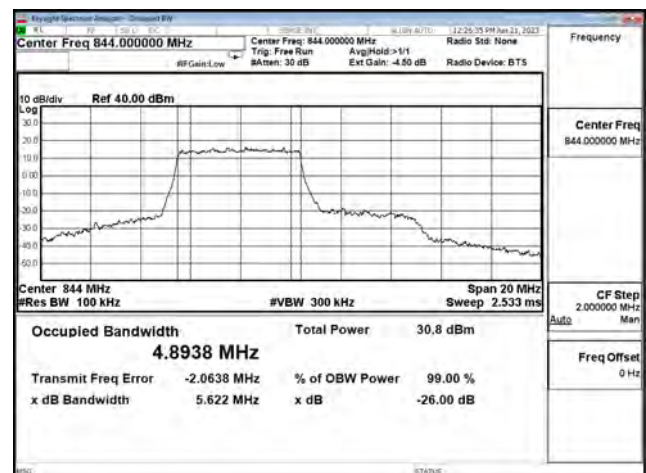
LTE Band 5_16QAM_CH20450_10M_Full RB



LTE Band 5_16QAM_CH20525_10M_Full RB



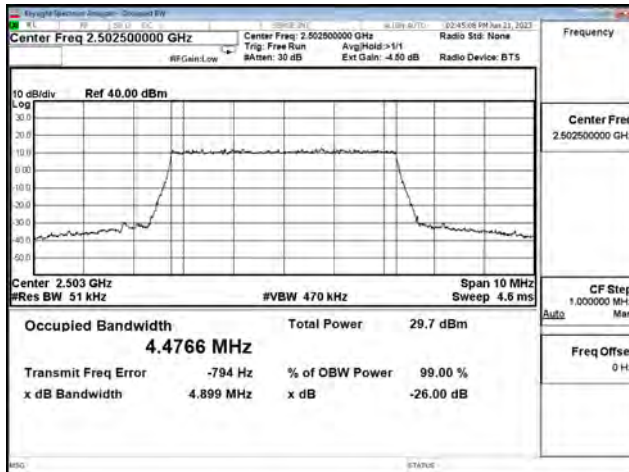
LTE Band 5_16QAM_CH20600_10M_Full RB



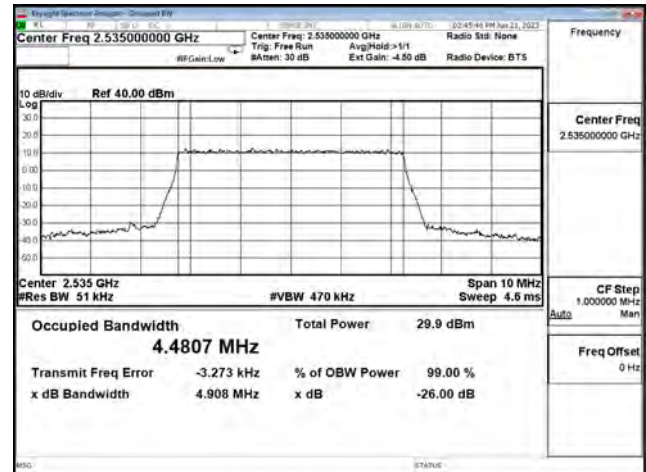
Mode 4: LTE Band 7

Bandwidth (MHz)	Modulation	Channel	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
				26dB BW	99% BW	
5M	QPSK	20775	2502.5	4.899	4.476	N/A
		21100	2535	4.908	4.480	N/A
		21425	2567.5	4.886	4.464	N/A
	16-QAM	20775	2502.5	4.838	4.466	N/A
		21100	2535	4.930	4.478	N/A
		21425	2567.5	4.928	4.472	N/A
10M	QPSK	20800	2505	9.736	8.927	N/A
		21100	2535	9.621	8.915	N/A
		21400	2565	9.652	8.914	N/A
	16-QAM	20800	2505	5.678	4.884	N/A
		21100	2535	5.590	4.877	N/A
		21400	2565	5.619	4.892	N/A
15M	QPSK	20825	2507.5	14.520	13.395	N/A
		21100	2535	14.460	13.360	N/A
		21375	2562.5	14.430	13.363	N/A
	16-QAM	20825	2507.5	5.818	4.928	N/A
		21100	2535	5.833	4.925	N/A
		21375	2562.5	5.876	4.931	N/A
20M	QPSK	20850	2510	19.040	17.832	N/A
		21100	2535	18.960	17.810	N/A
		21350	2560	19.180	17.817	N/A
	16-QAM	20850	2510	6.242	5.013	N/A
		21100	2535	6.040	4.976	N/A
		21350	2560	6.165	5.015	N/A

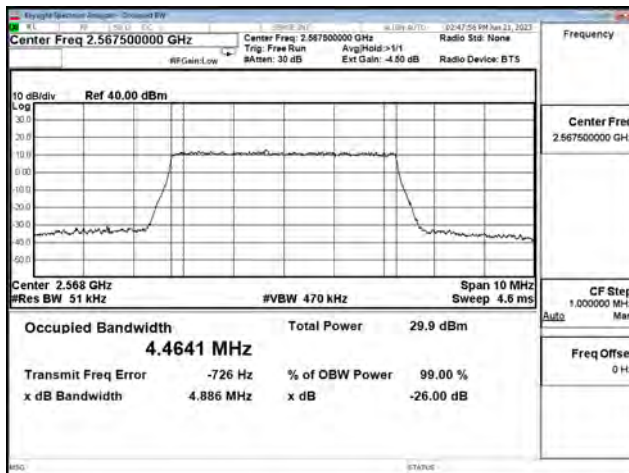
LTE Band 7_QPSK_CH20775_5M_Full RB



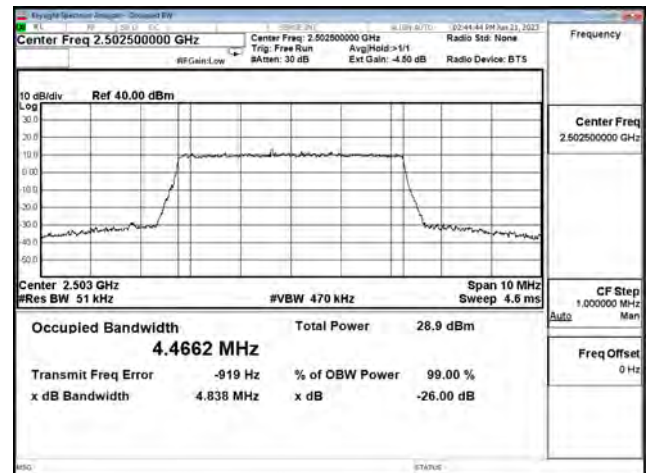
LTE Band 7_QPSK_CH21100_5M_Full RB



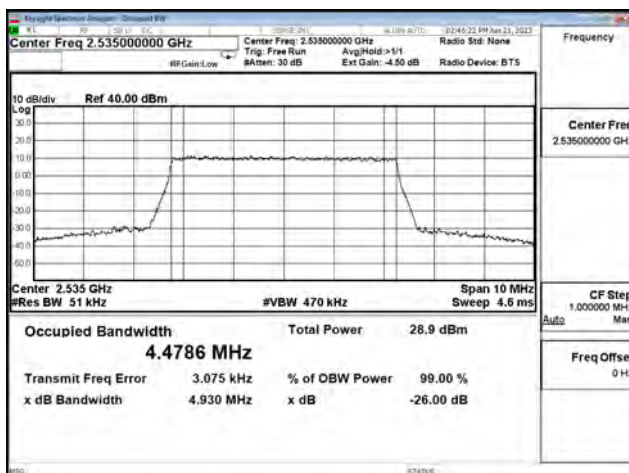
LTE Band 7_QPSK_CH21425_5M_Full RB



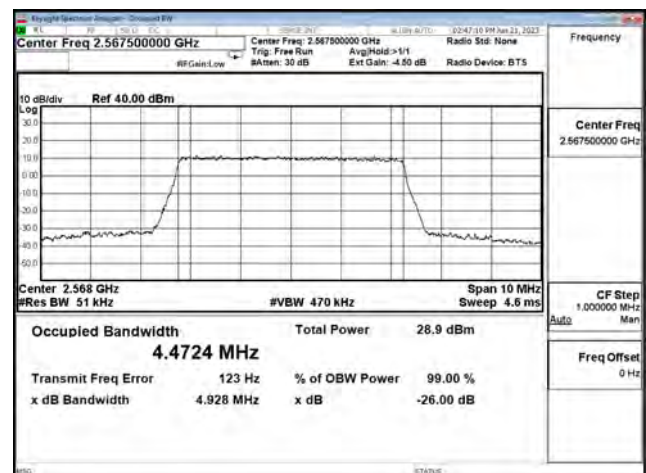
LTE Band 7_16QAM_CH20775_5M_Full RB



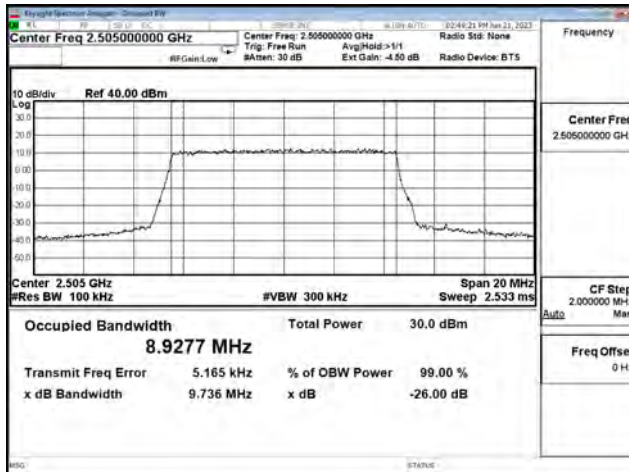
LTE Band 7_16QAM_CH21100_5M_Full RB



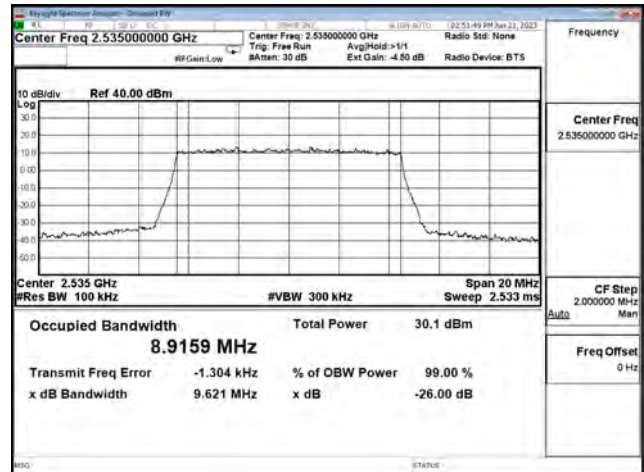
LTE Band 7_16QAM_CH21425_5M_Full RB



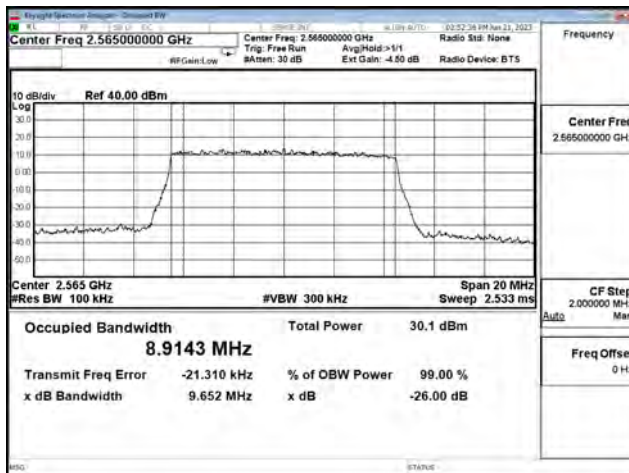
LTE Band 7_QPSK_CH20800_10M_Full RB



LTE Band 7_QPSK_CH21100_10M_Full RB



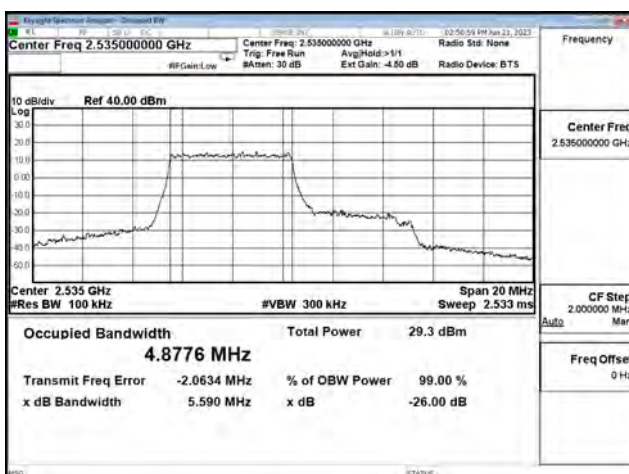
LTE Band 7_QPSK_CH21400_10M_Full RB



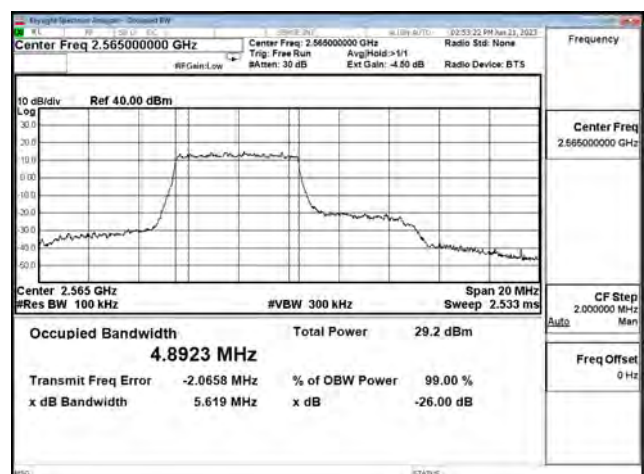
LTE Band 7_16QAM_CH20800_10M_Full RB



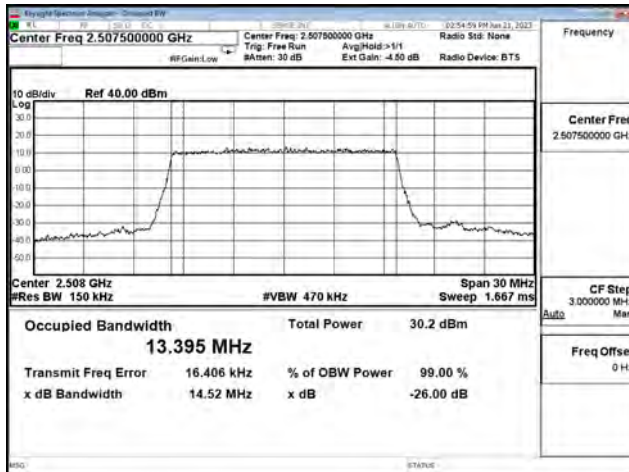
LTE Band 7_16QAM_CH21100_10M_Full RB



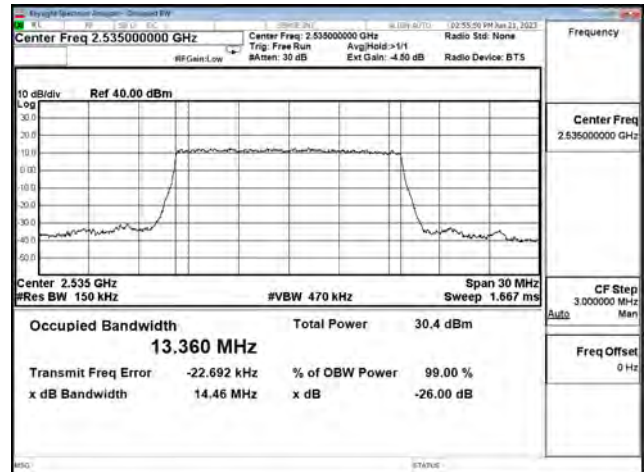
LTE Band 7_16QAM_CH21400_10M_Full RB



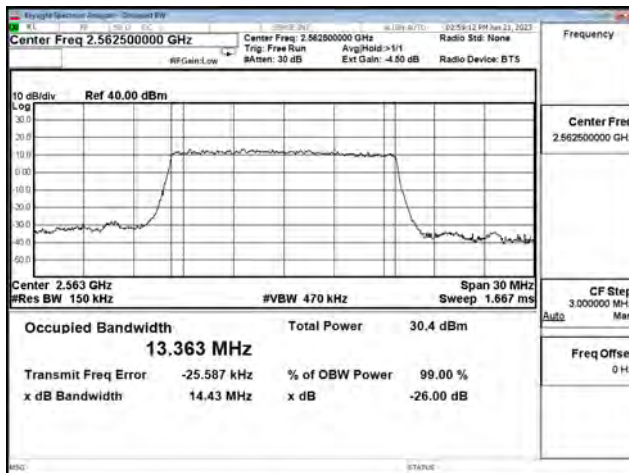
LTE Band 7_QPSK_CH20825_15M_Full RB



LTE Band 7_QPSK_CH21100_15M_Full RB



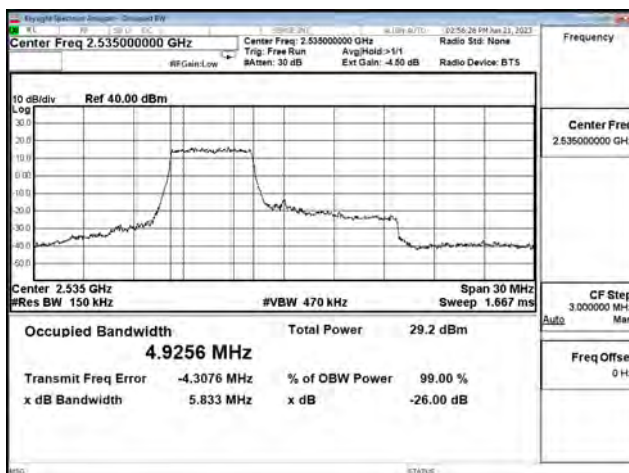
LTE Band 7_QPSK_CH21375_15M_Full RB



LTE Band 7_16QAM_CH20825_15M_Full RB



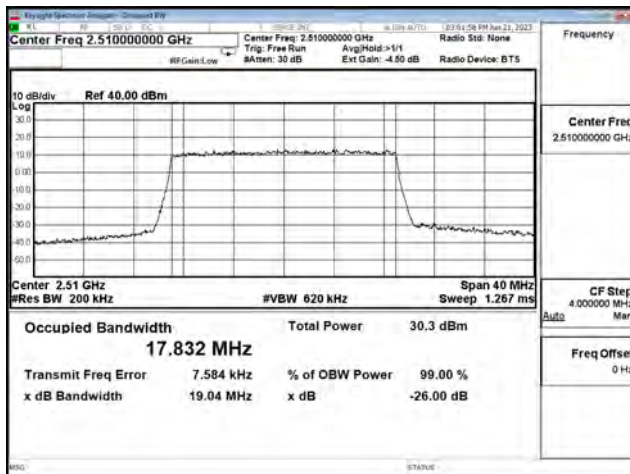
LTE Band 7_16QAM_CH21100_15M_Full RB



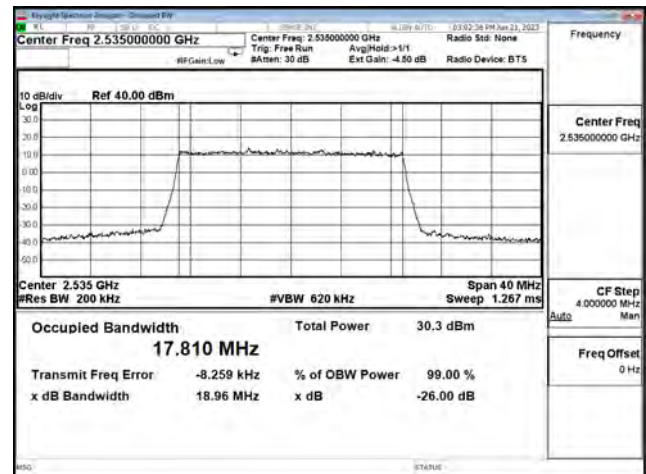
LTE Band 7_16QAM_CH21375_15M_Full RB



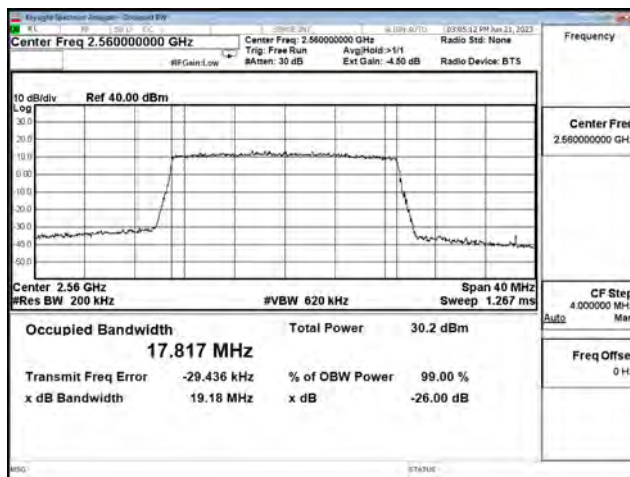
LTE Band 7_QPSK_CH20850_20M_Full RB



LTE Band 7_QPSK_CH21100_20M_Full RB



LTE Band 7_QPSK_CH21350_20M_Full RB



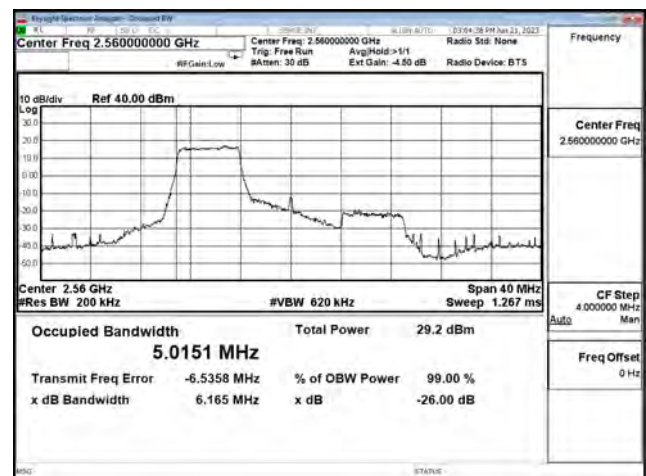
LTE Band 7_16QAM_CH20850_20M_Full RB



LTE Band 7_16QAM_CH21100_20M_Full RB

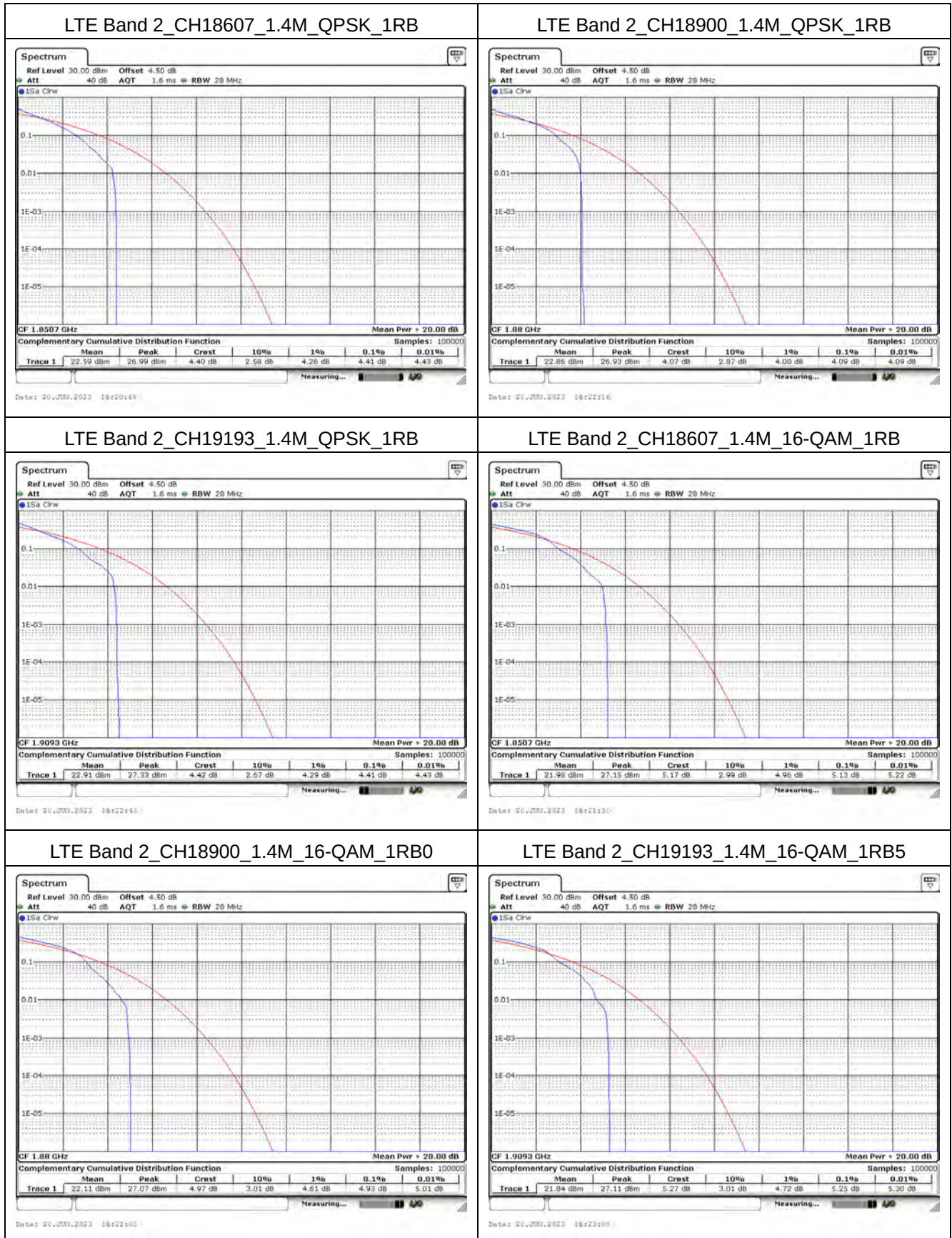


LTE Band 7_16QAM_CH21350_20M_Full RB

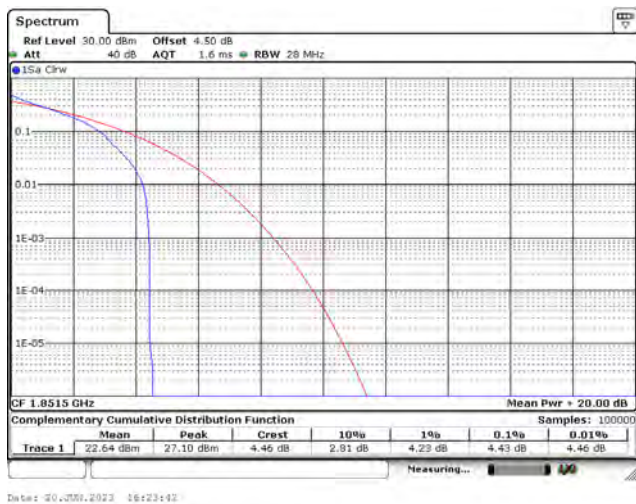


Appendix C. Test Result of Peak to Average Power Ratio

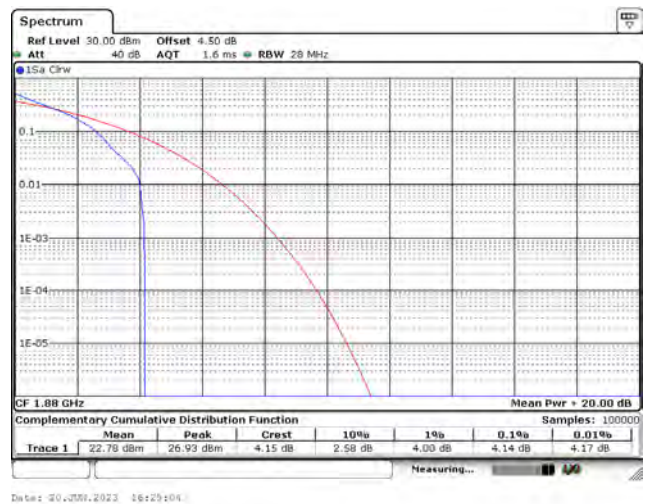
Mode 1: LTE Band 2



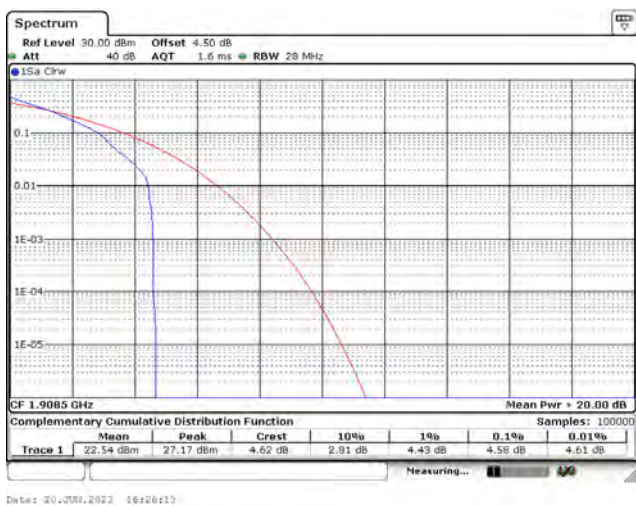
LTE Band 2_CH18615_3M_QPSK_1RB



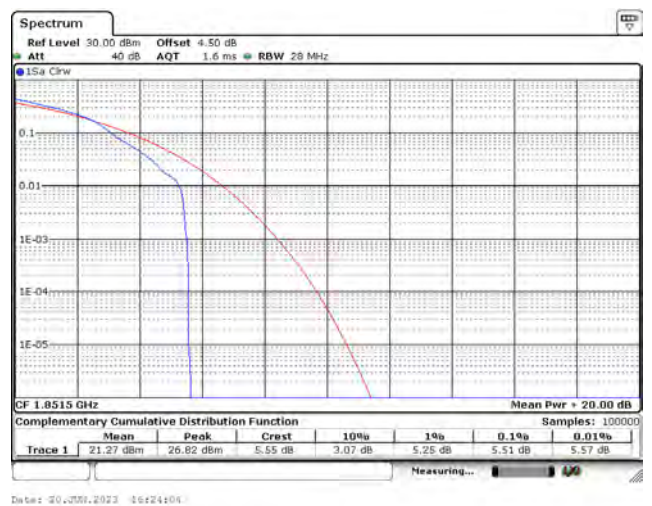
LTE Band 2_CH18900_3M_QPSK_1RB



LTE Band 2_CH19185_3M_QPSK_1RB



LTE Band 2_CH18615_3M_16-QAM_1RB



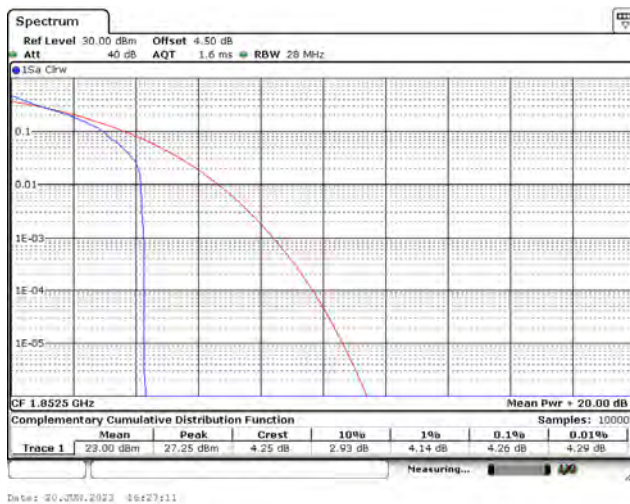
LTE Band 2_CH18900_3M_16-QAM_1RB



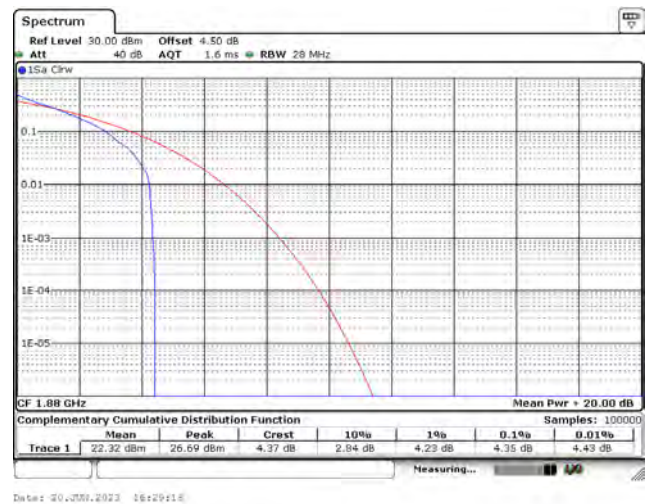
LTE Band 2_CH19185_3M_16-QAM_1RB



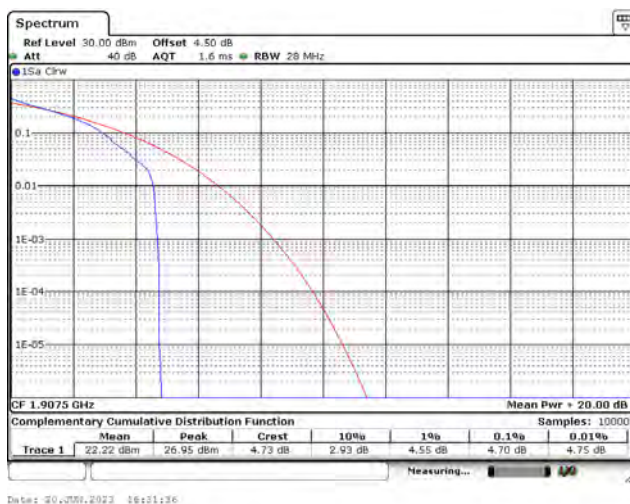
LTE Band 2_CH18625_5M_QPSK_1RB



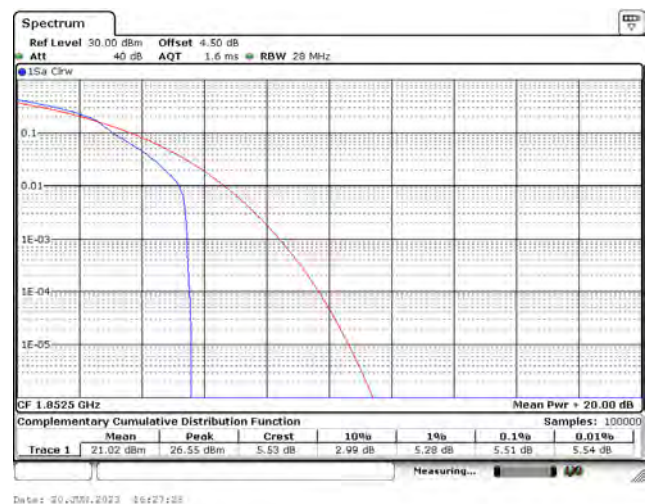
LTE Band 2_CH18900_5M_QPSK_1RB



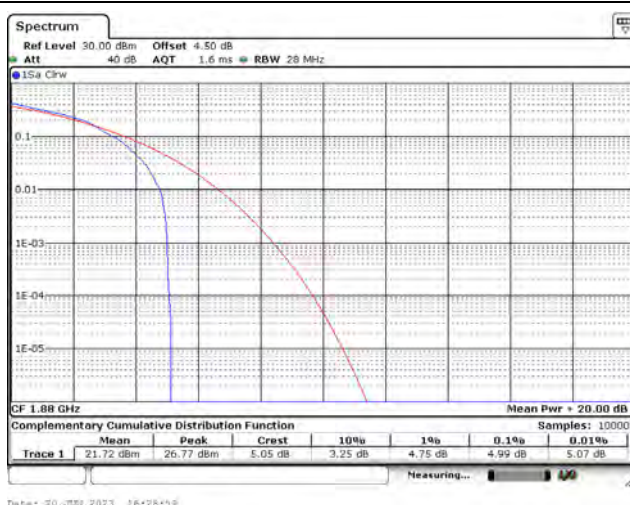
LTE Band 2_CH19175_5M_QPSK_1RB



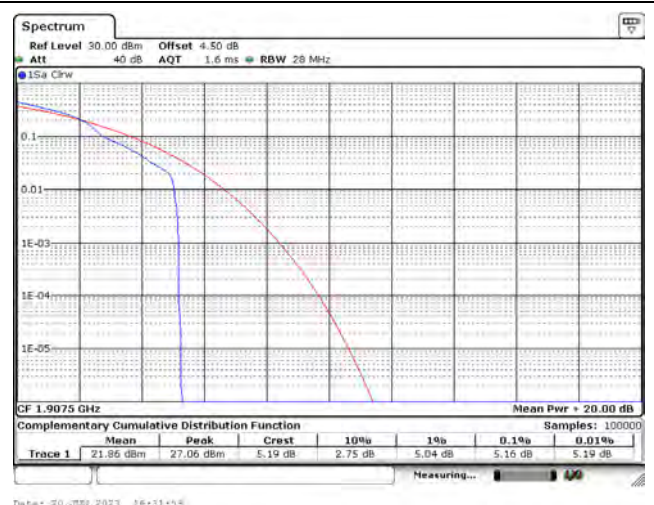
LTE Band 2_CH18625_5M_16-QAM_1RB



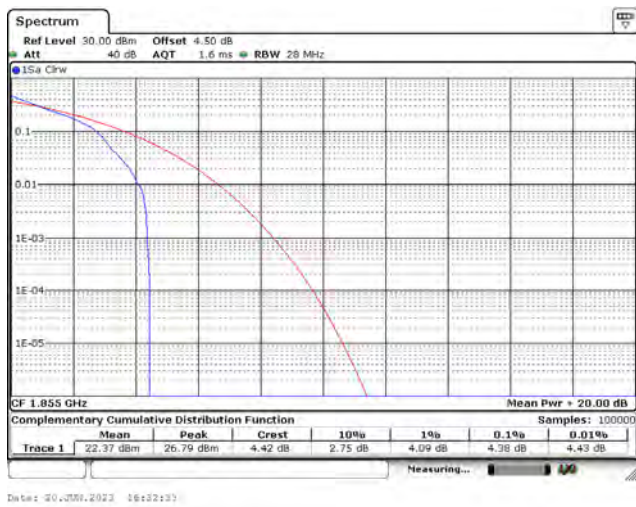
LTE Band 2_CH18900_5M_16-QAM_1RB



LTE Band 2_CH19175_5M_16-QAM_1RB



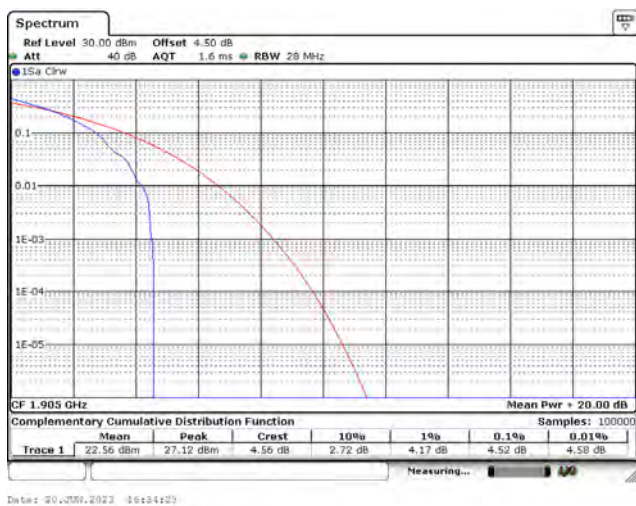
LTE Band 2_CH18650_10M_QPSK_1RB



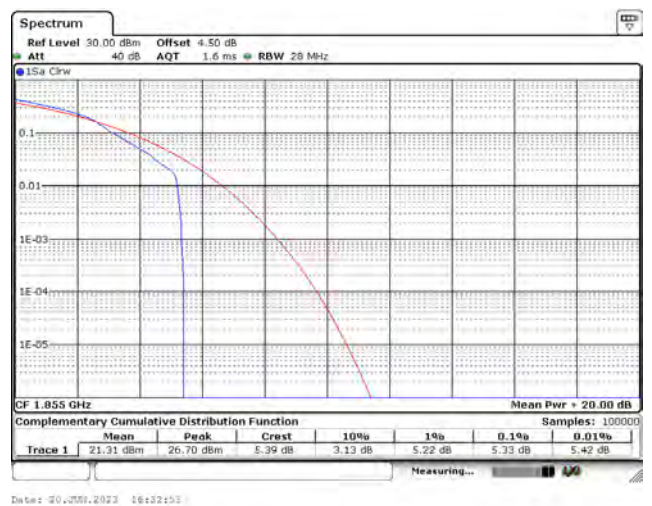
LTE Band 2_CH18900_10M_QPSK_1RB



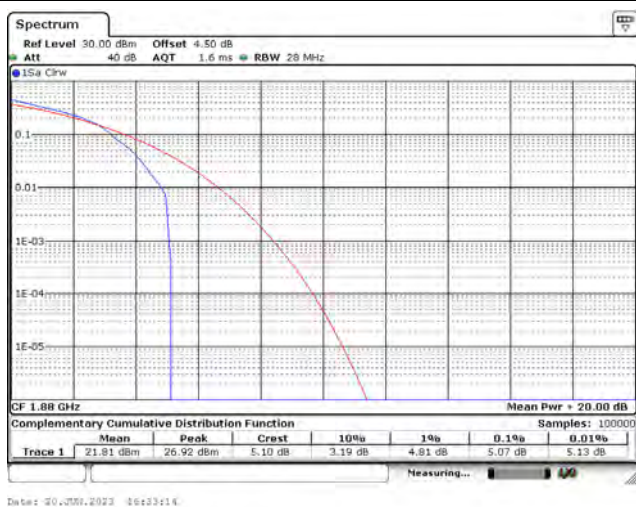
LTE Band 2_CH19150_10M_QPSK_1RB



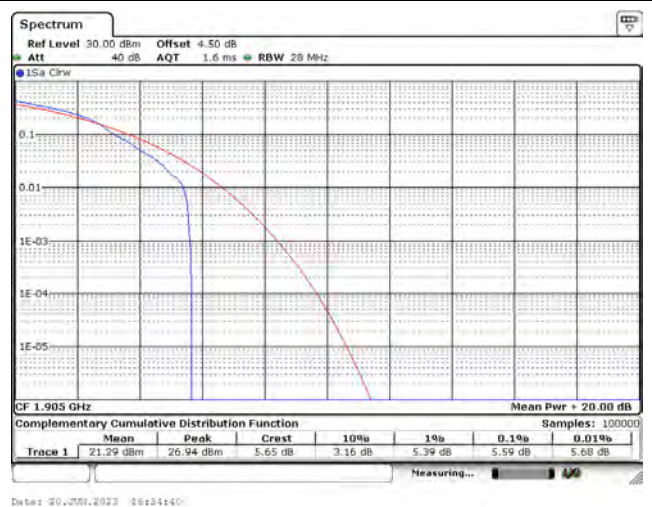
LTE Band 2_CH18650_10M_16-QAM_1RB



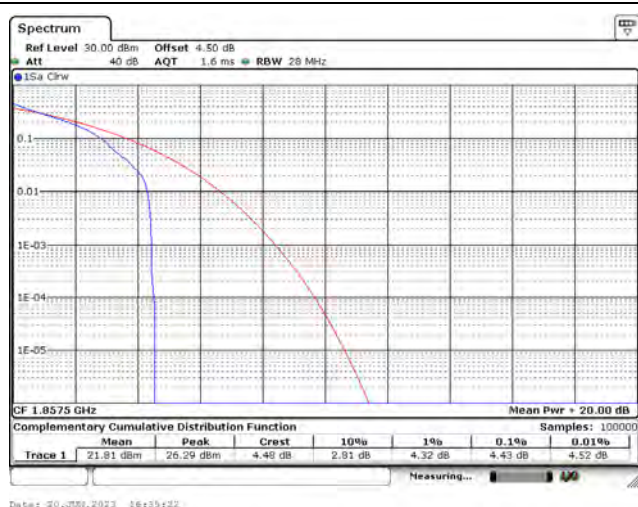
LTE Band 2_CH18900_10M_16-QAM_1RB



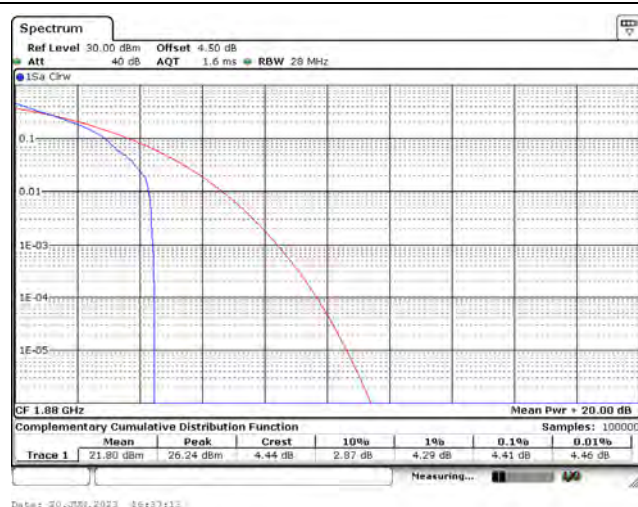
LTE Band 2_CH19150_10M_16-QAM_1RB



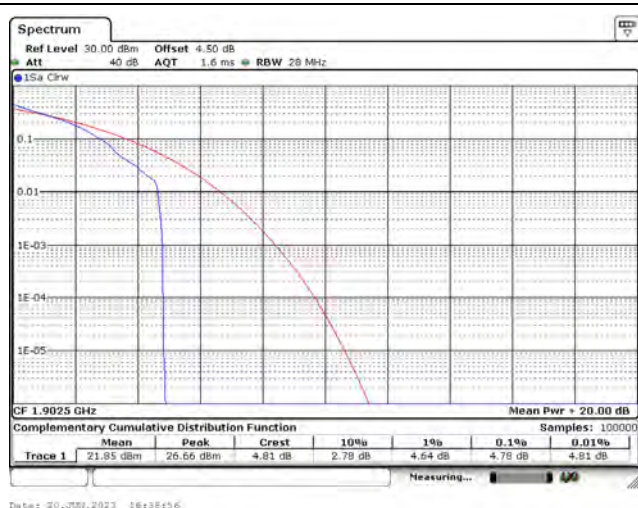
LTE Band 2_CH18675_15M_QPSK_1RB



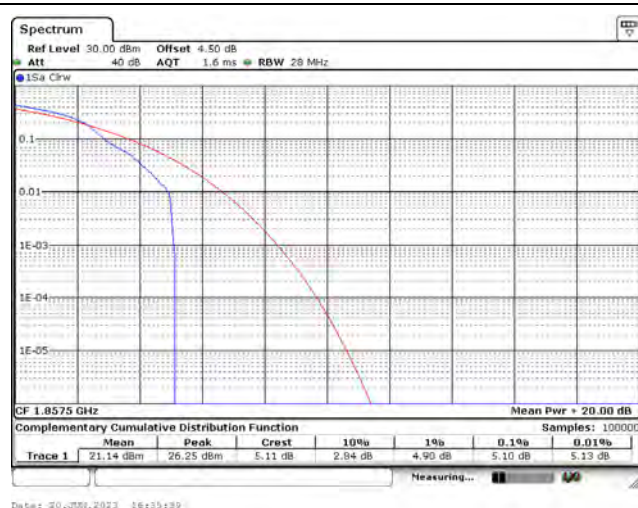
LTE Band 2_CH18900_15M_QPSK_1RB



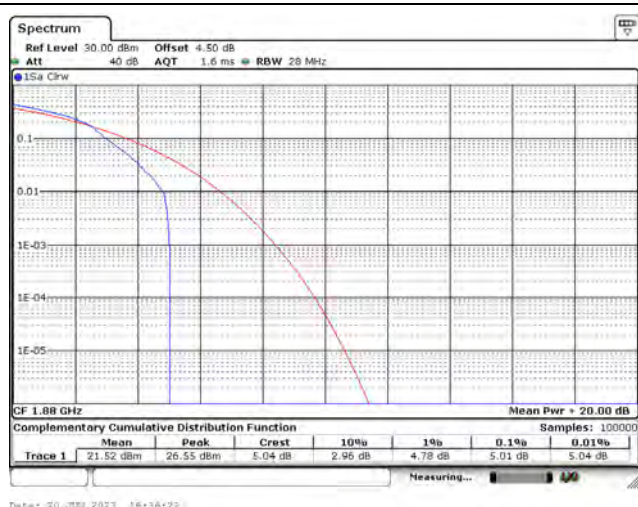
LTE Band 2_CH19125_15M_QPSK_1RB



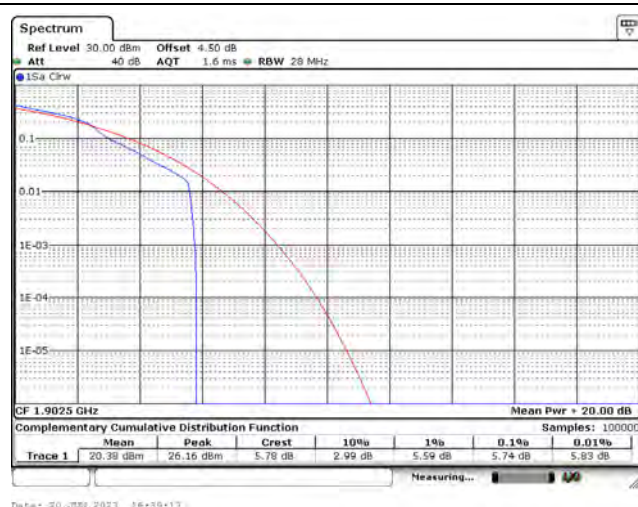
LTE Band 2_CH18675_15M_16-QAM_1RB



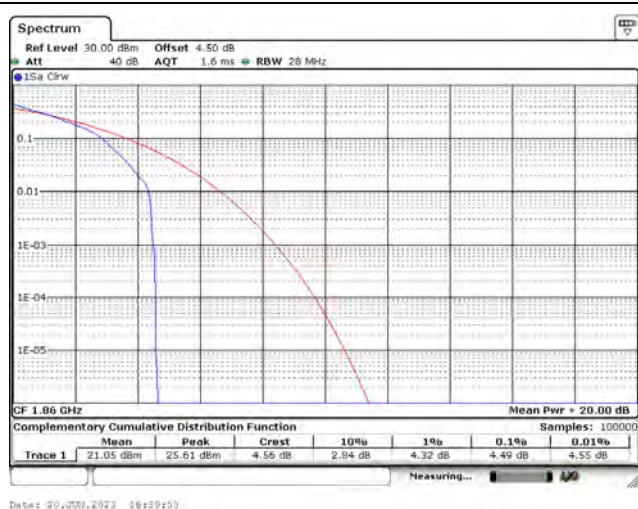
LTE Band 2_CH18900_15M_16-QAM_1RB



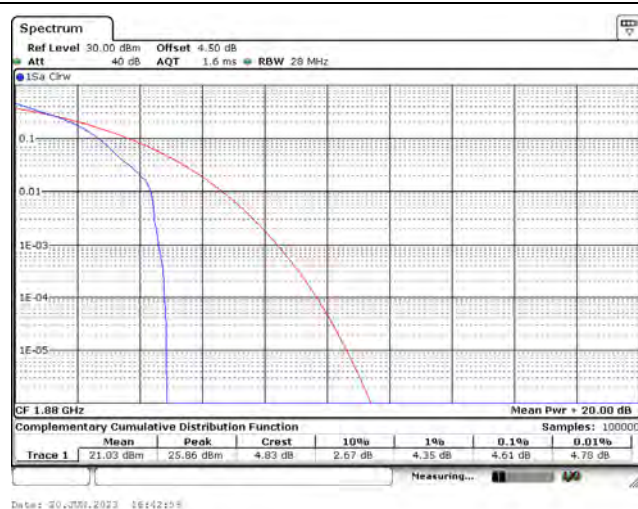
LTE Band 2_CH19125_15M_16-QAM_1RB



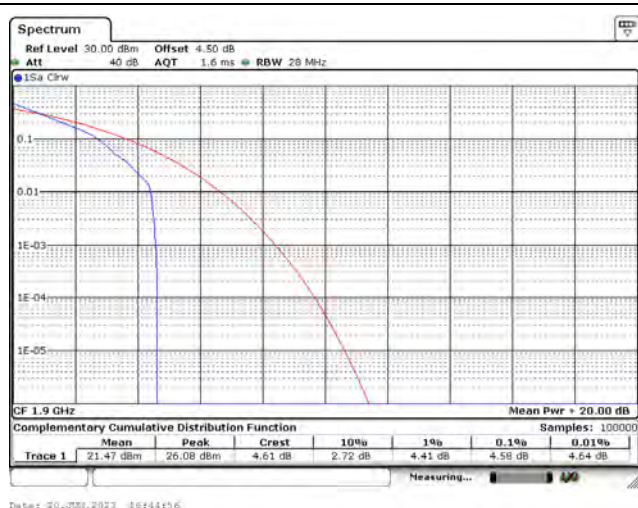
LTE Band 2_CH18700_20M_QPSK_1RB



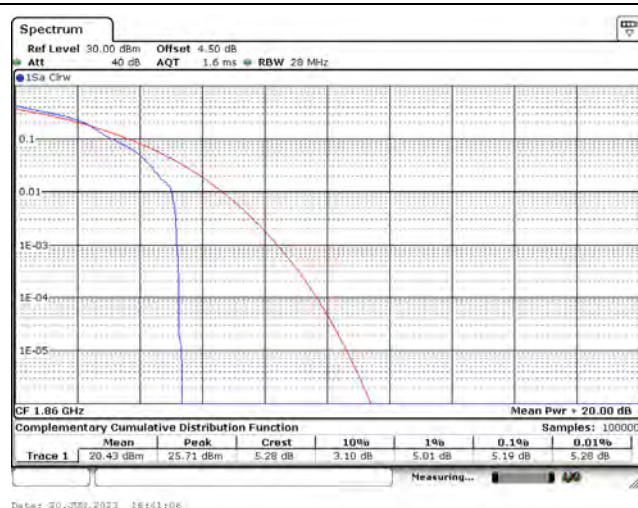
LTE Band 2_CH18900_20M_QPSK_1RB



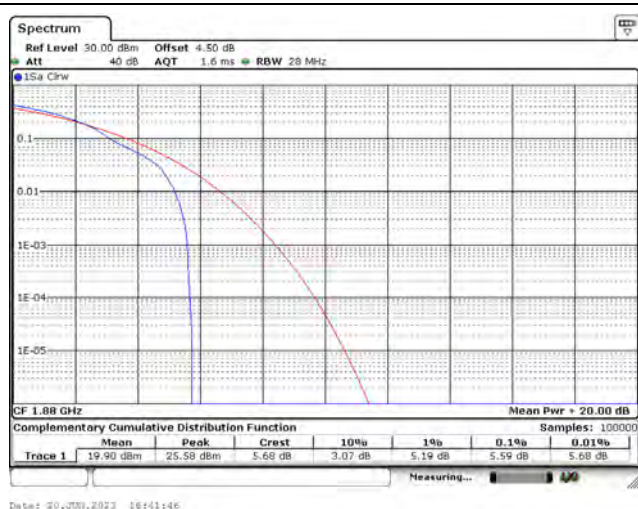
LTE Band 2_CH19100_20M_QPSK_1RB



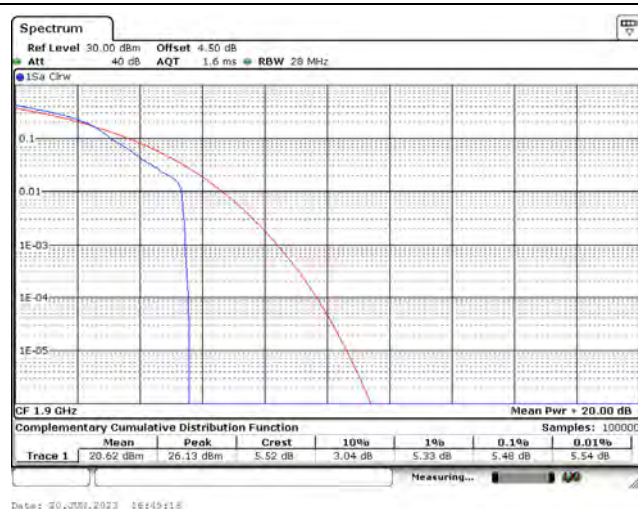
LTE Band 2_CH18700_20M_16-QAM_1RB



LTE Band 2_CH18900_20M_16-QAM_1RB

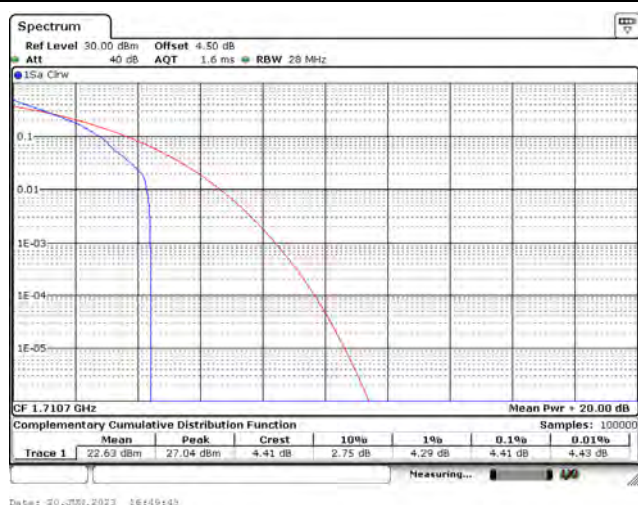


LTE Band 2_CH19100_20M_16-QAM_1RB

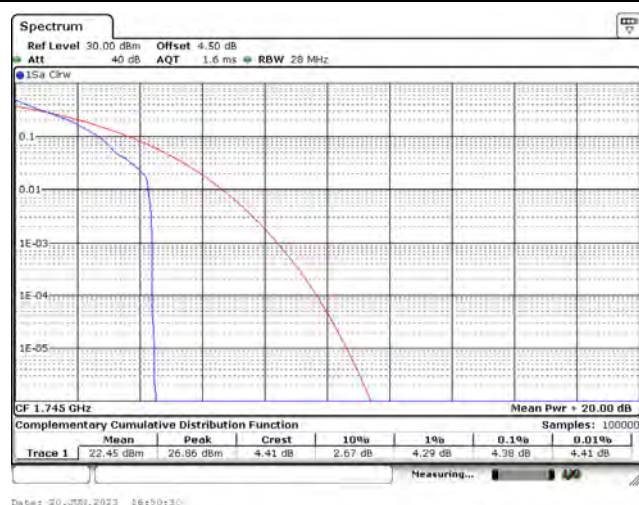


Mode 2: LTE Band 4/66

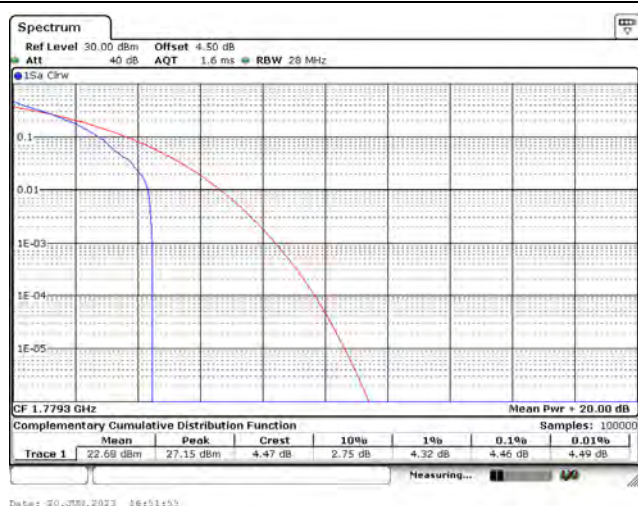
LTE Band 4/66_CH131979_1.4M_QPSK_1RB



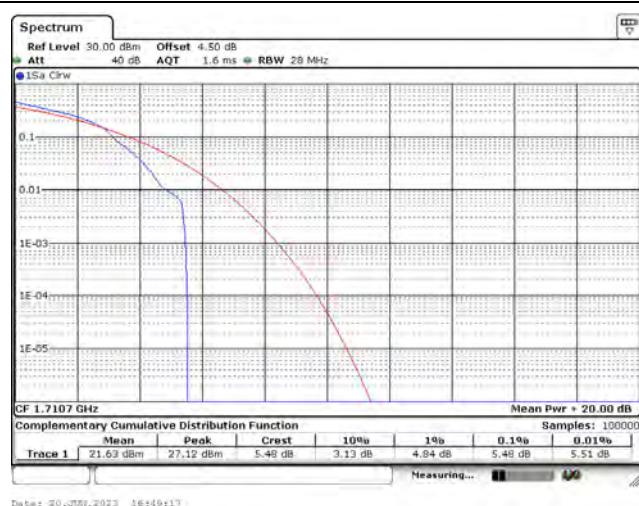
LTE Band 4/66_CH132322_1.4M_QPSK_1RB



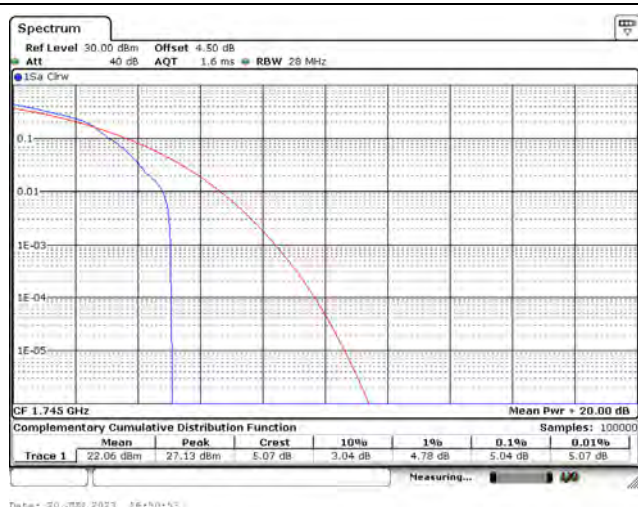
LTE Band 4/66_CH132665_1.4M_QPSK_1RB



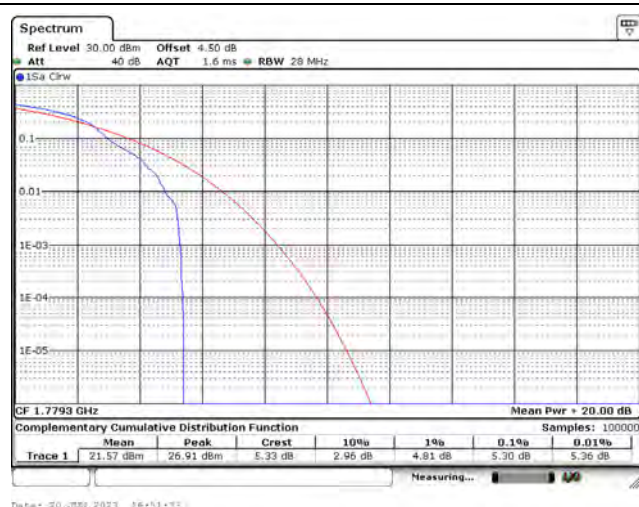
LTE Band 4/66_CH131979_1.4M_16-QAM_1RB



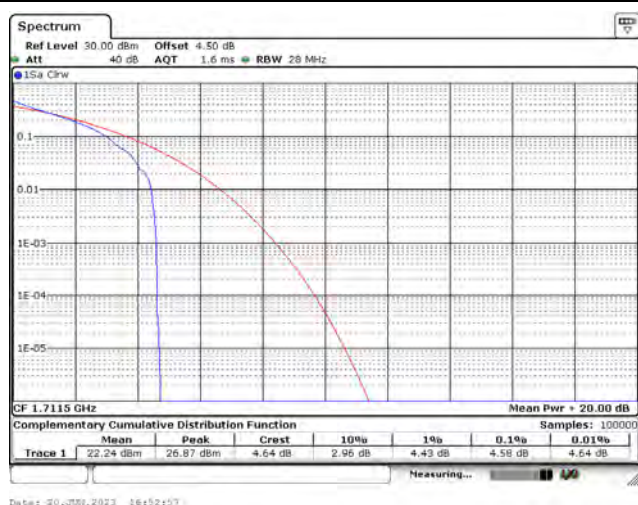
LTE Band 4/66_CH132322_1.4M_16-QAM_1RB



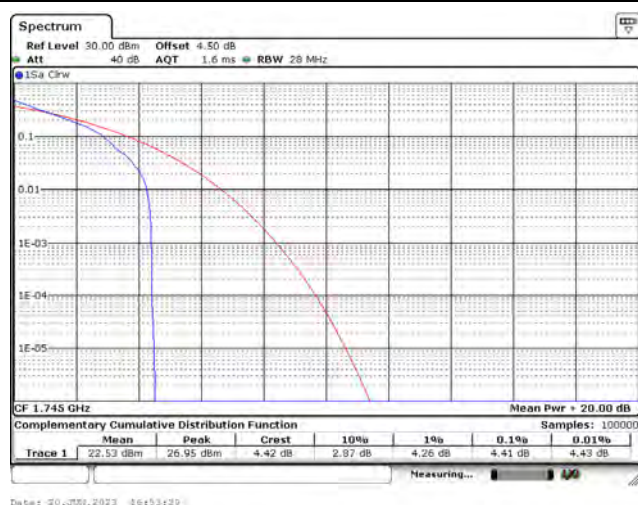
LTE Band 4/66_CH132665_1.4M_16-QAM_1RB



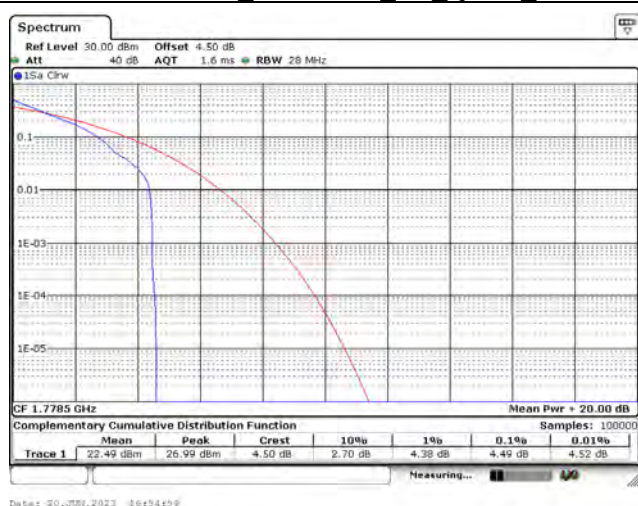
LTE Band 4/66_CH131987_3M_QPSK_1RB



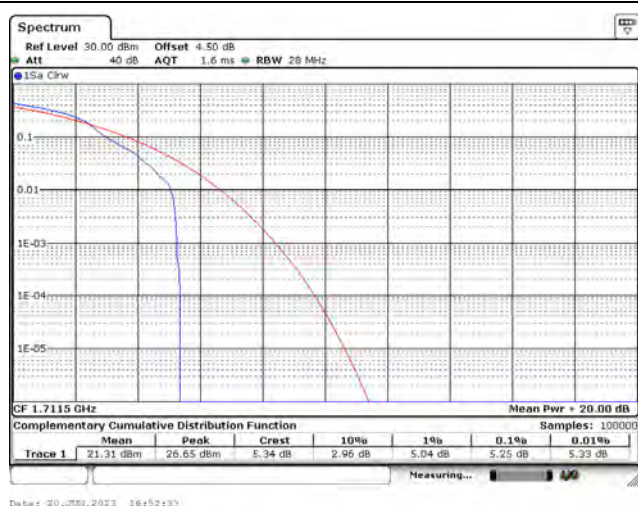
LTE Band 4/66_CH132322_3M_QPSK_1RB



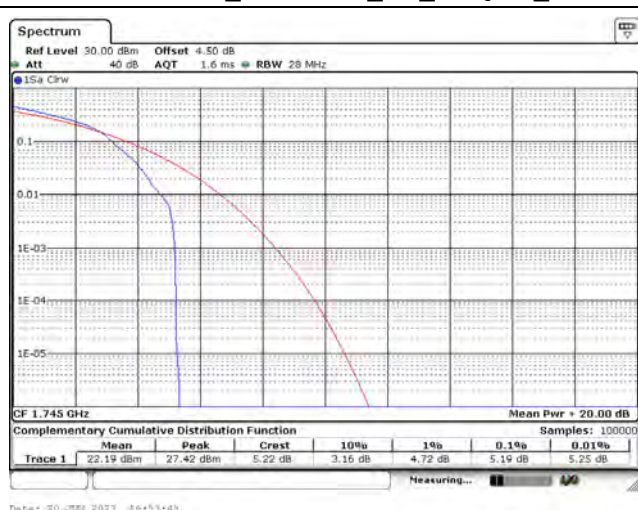
LTE Band 4/66_CH132657_3M_QPSK_1RB



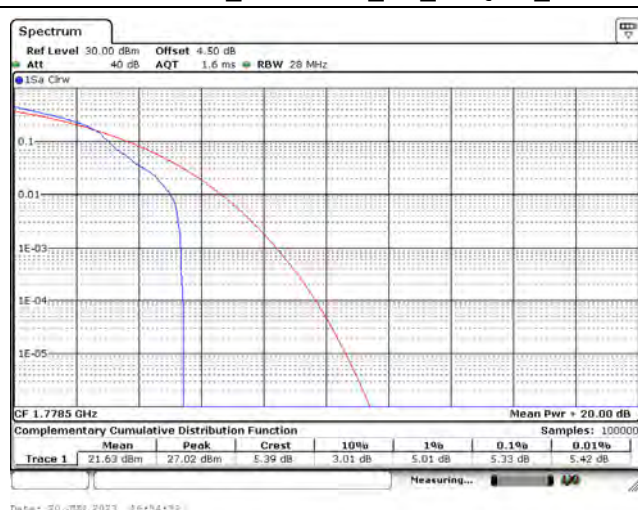
LTE Band 4/66_CH131987_3M_16-QAM_1RB



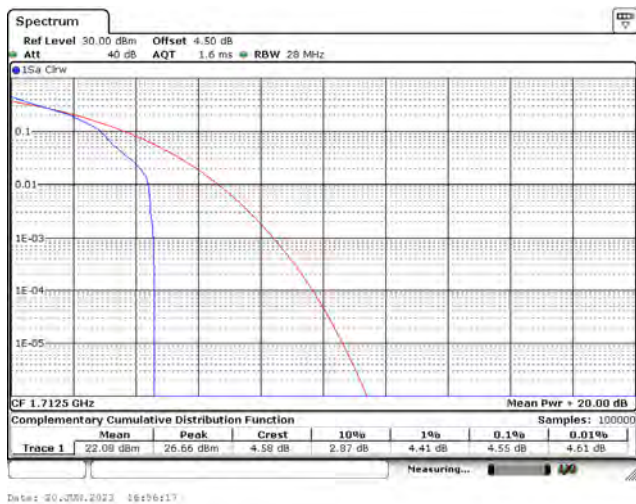
LTE Band 4/66_CH132322_3M_16-QAM_1RB



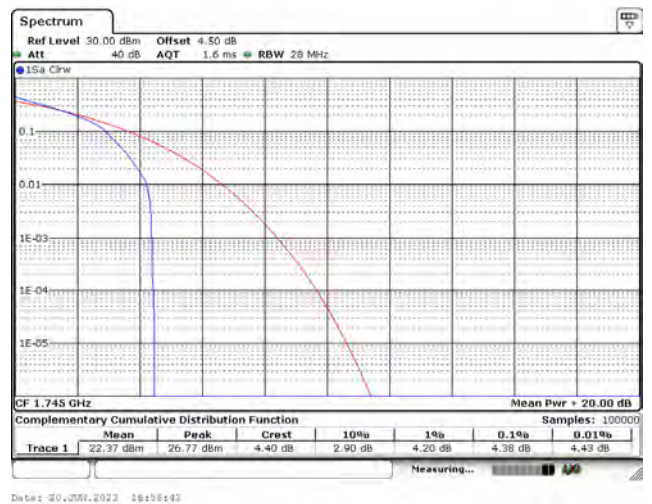
LTE Band 4/66_CH132657_3M_16-QAM_1RB



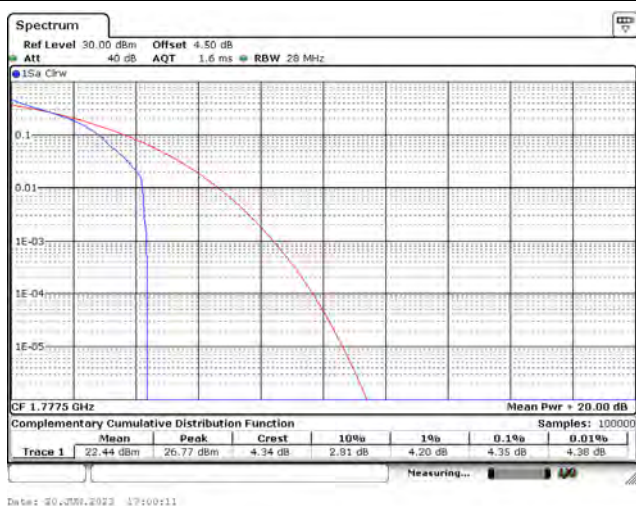
LTE Band 4/66_CH131997_5M_QPSK_1RB



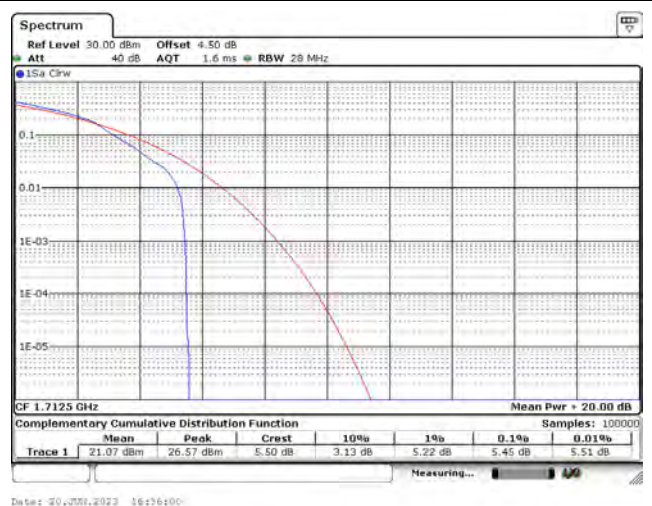
LTE Band 4/66_CH132322_5M_QPSK_1RB



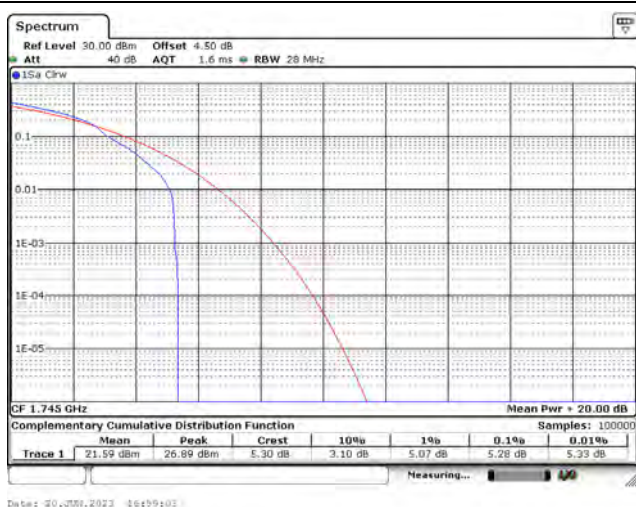
LTE Band 4/66_CH132647_5M_QPSK_1RB



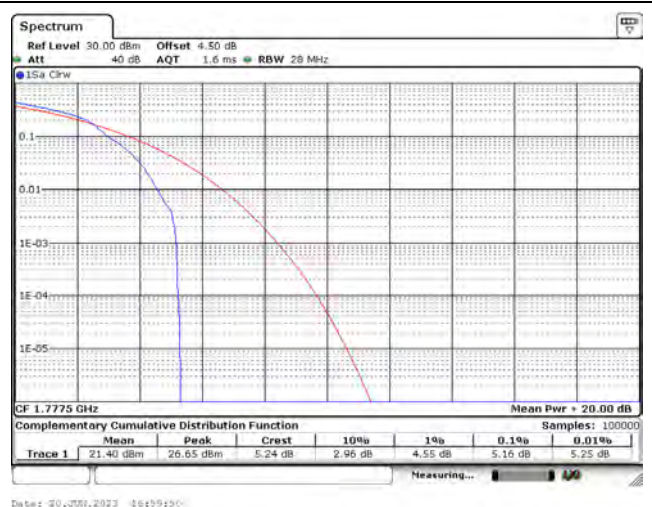
LTE Band 4/66_CH131997_5M_16-QAM_1RB



LTE Band 4/66_CH132322_5M_16-QAM_1RB



LTE Band 4/66_CH132647_5M_16-QAM_1RB



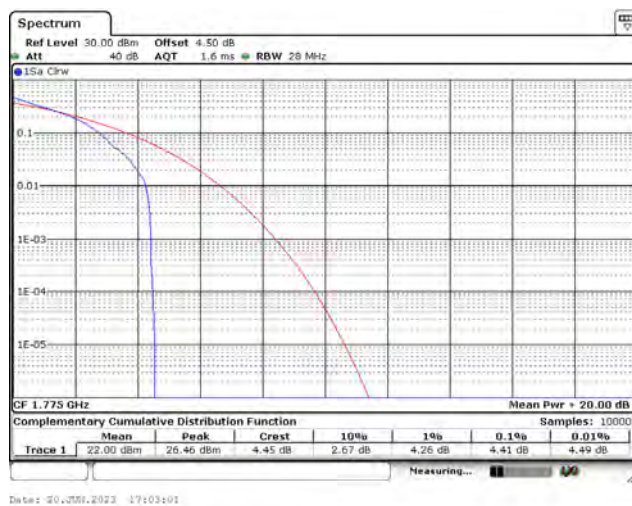
LTE Band 4/66_CH132022_10M_QPSK_1RB



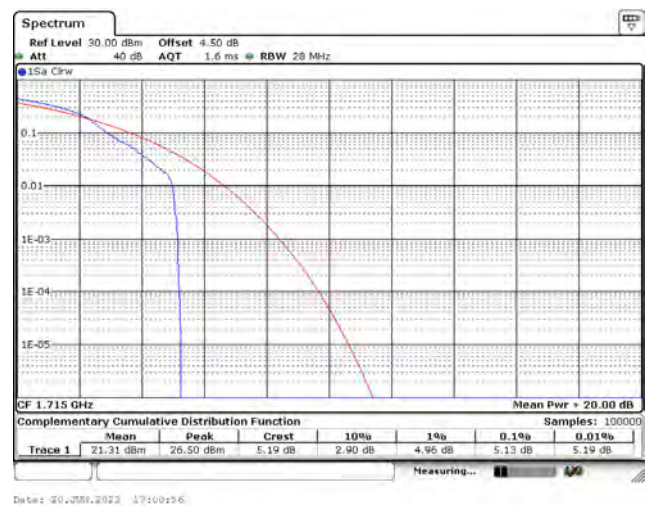
LTE Band 4/66_CH132322_10M_QPSK_1RB



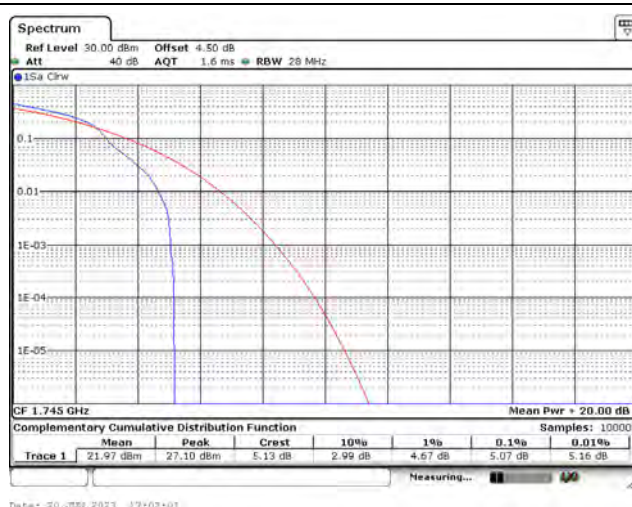
LTE Band 4/66_CH132622_10M_QPSK_1RB



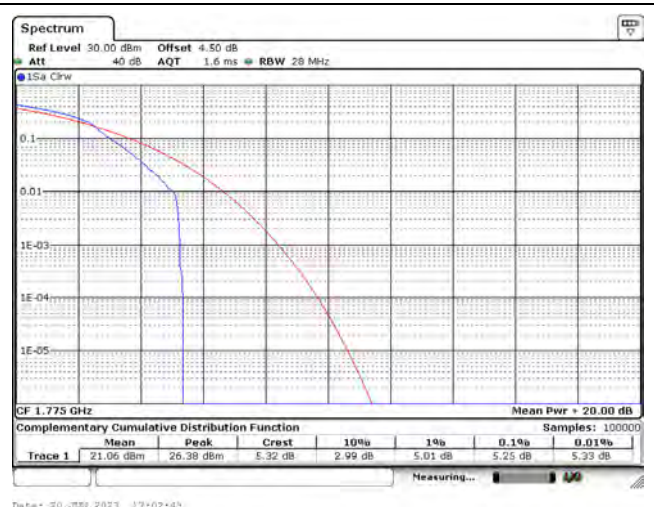
LTE Band 4/66_CH132022_10M_16-QAM_1RB



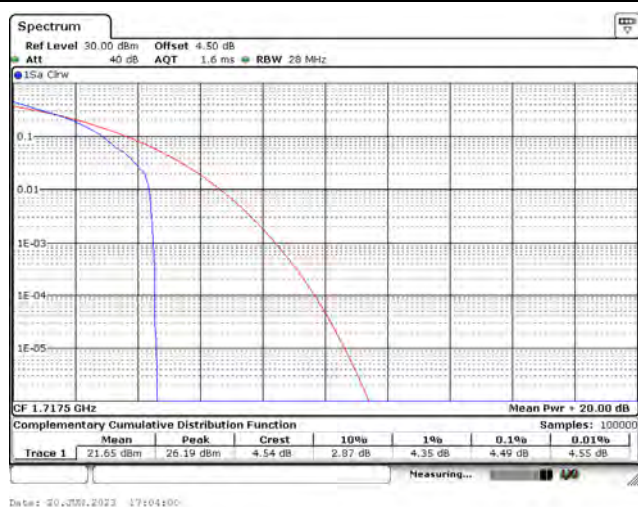
LTE Band 4/66_CH132322_10M_16-QAM_1RB



LTE Band 4/66_CH132622_10M_16-QAM_1RB



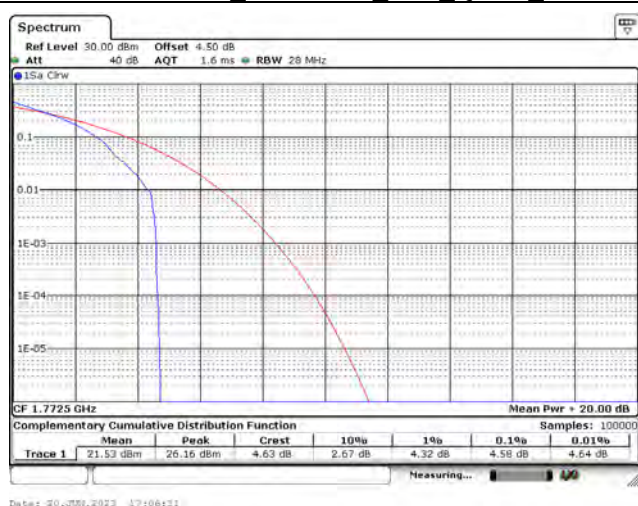
LTE Band 4/66_CH132047_15M_QPSK_1RB



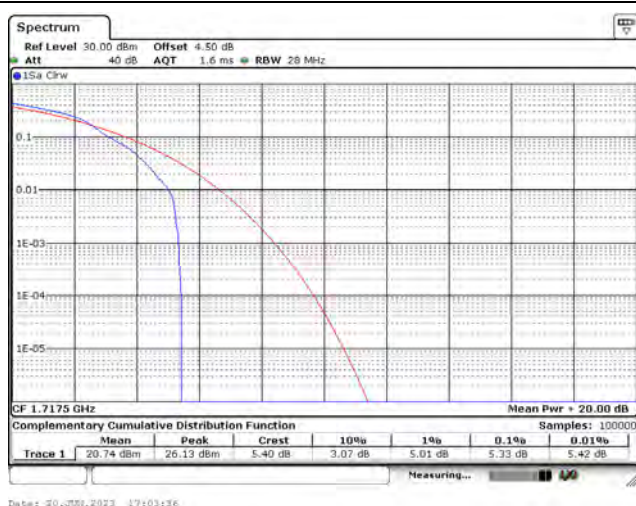
LTE Band 4/66_CH132322_15M_QPSK_1RB



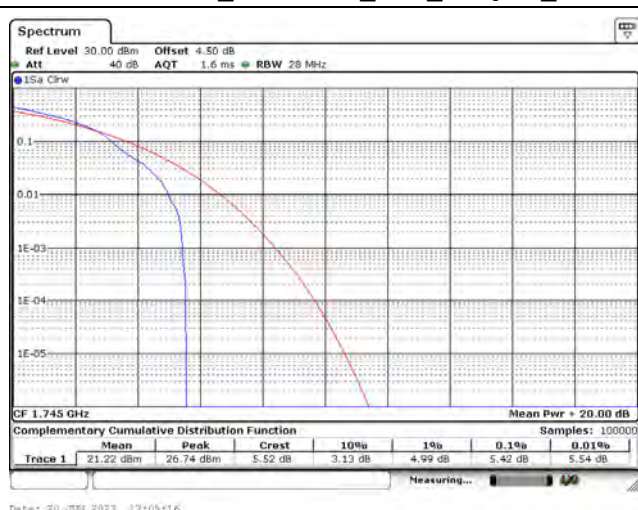
LTE Band 4/66_CH132597_15M_QPSK_1RB



LTE Band 4/66_CH132047_15M_16-QAM_1RB



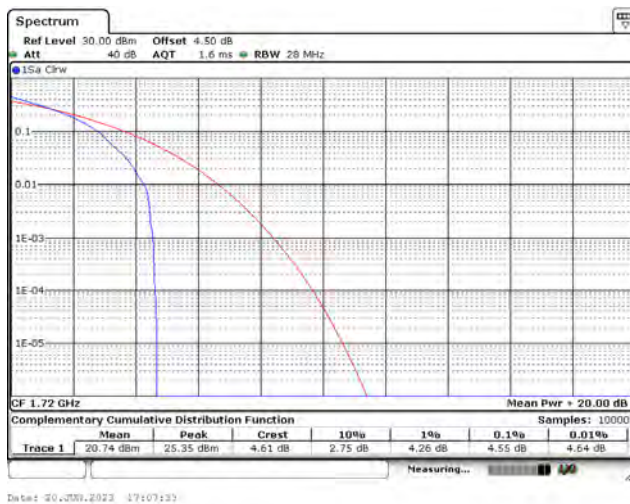
LTE Band 4/66_CH132322_15M_16-QAM_1RB



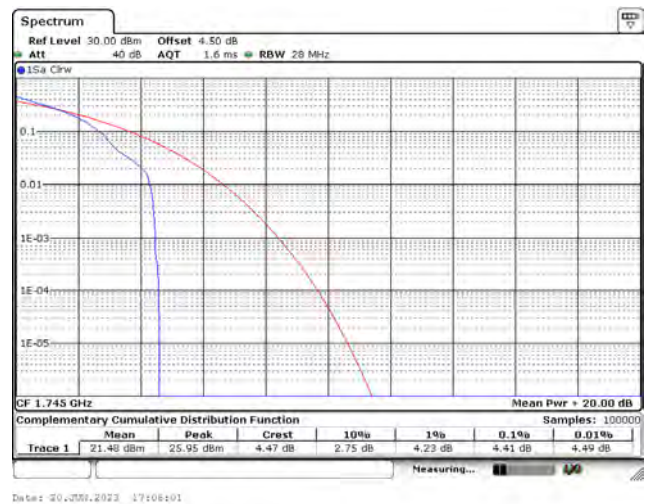
LTE Band 4/66_CH132597_15M_16-QAM_1RB



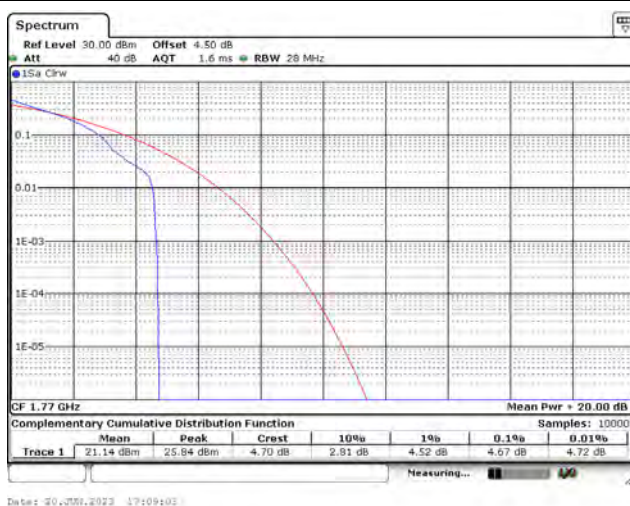
LTE Band 4/66_CH132072_20M_QPSK_1RB



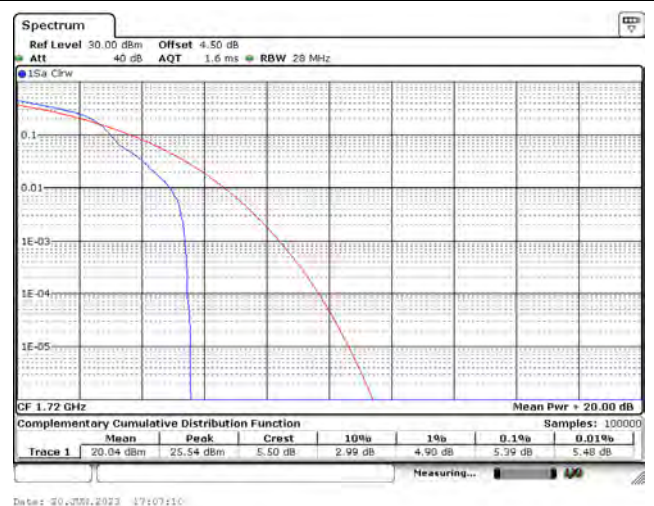
LTE Band 4/66_CH132322_20M_QPSK_1RB



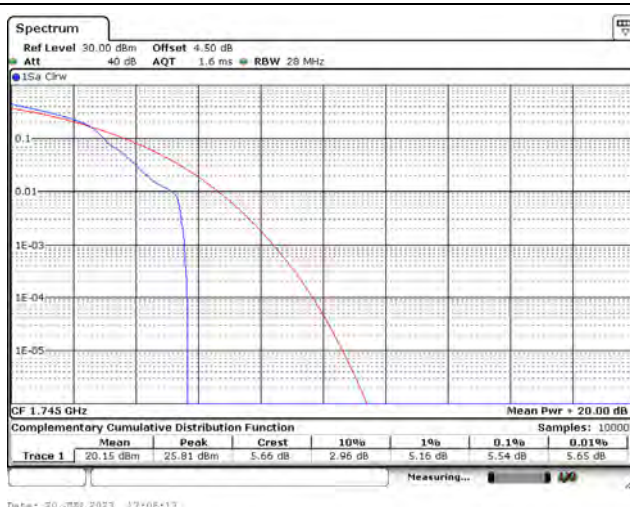
LTE Band 4/66_CH132572_20M_QPSK_1RB



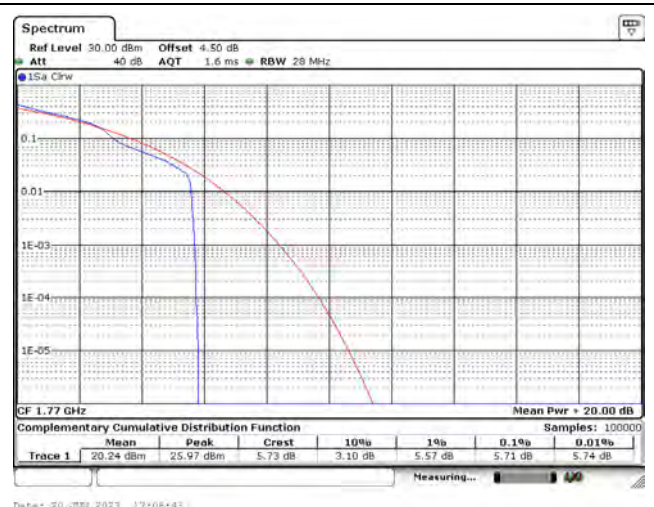
LTE Band 4/66_CH132072_20M_16-QAM_1RB



LTE Band 4/66_CH132322_20M_16-QAM_1RB

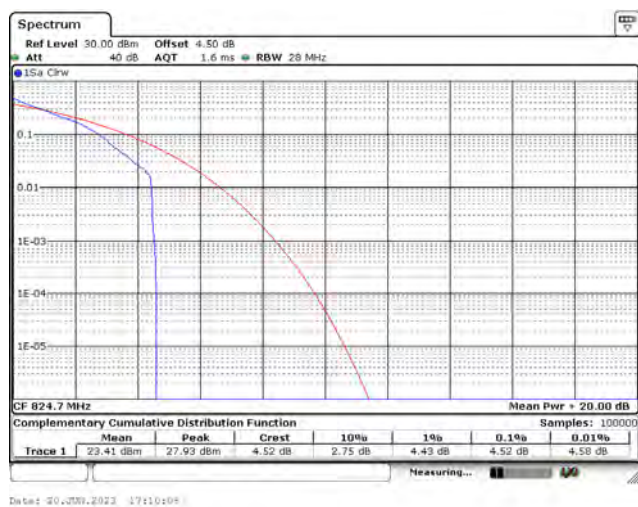


LTE Band 4/66_CH132572_20M_16-QAM_1RB

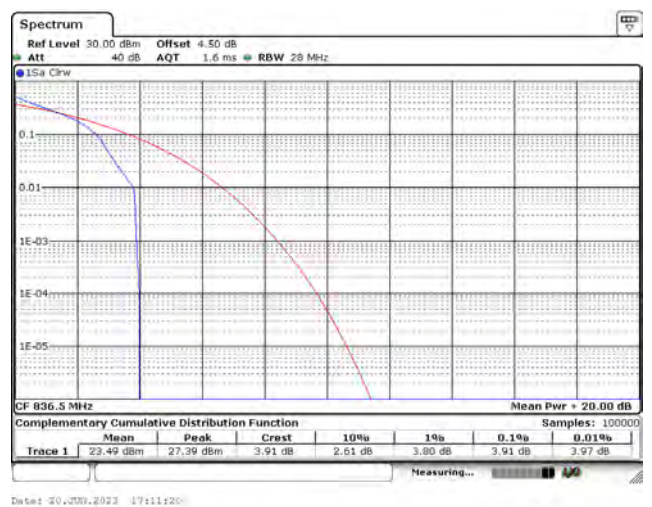


Mode 3: LTE Band 5 (Part 22)

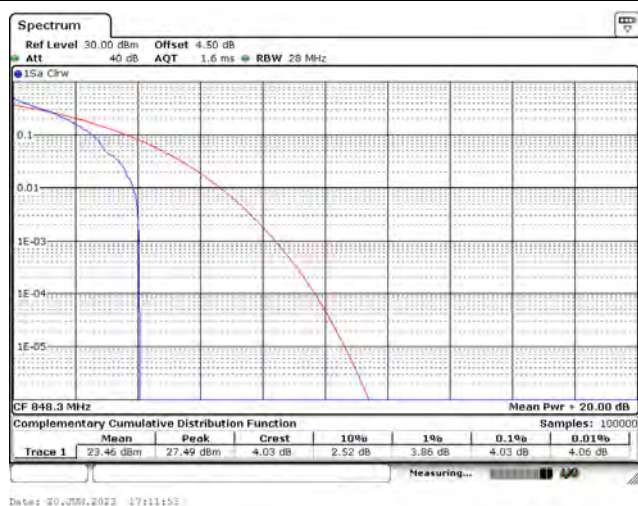
LTE Band 5_CH20407_1.4M_QPSK_1RB



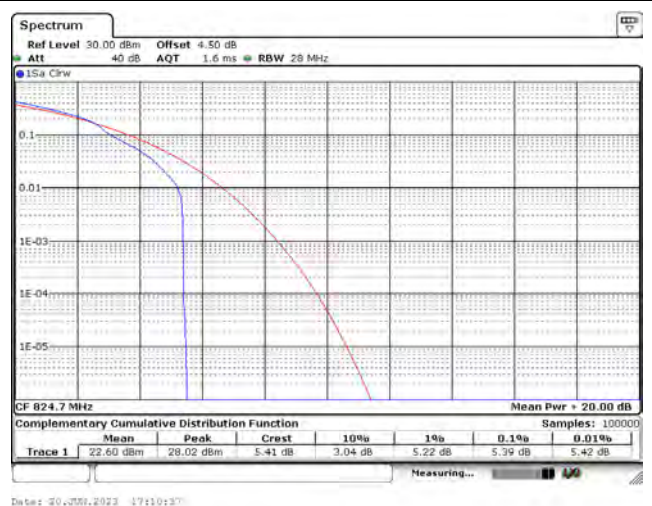
LTE Band 5_CH20525_1.4M_QPSK_1RB



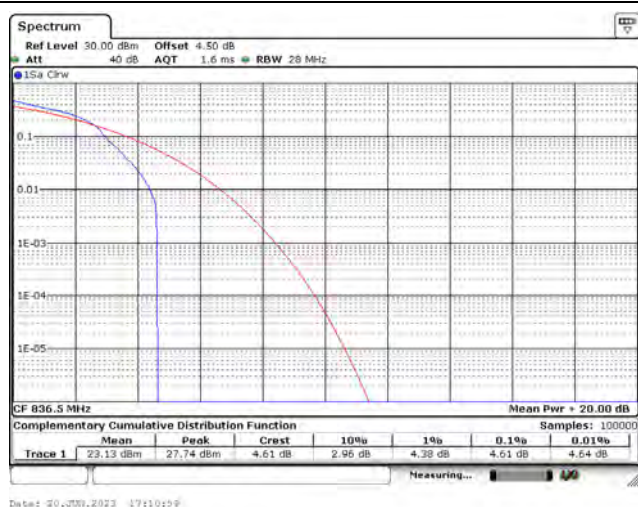
LTE Band 5_CH20643_1.4M_QPSK_1RB



LTE Band 5_CH20407_1.4M_16-QAM_1RB



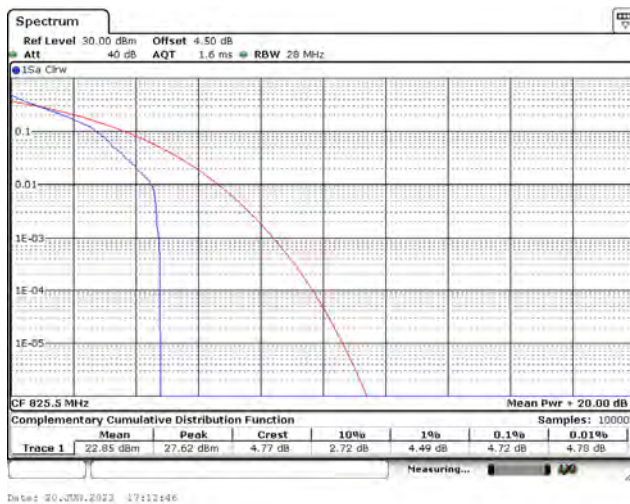
LTE Band 5_CH20525_1.4M_16-QAM_1RB



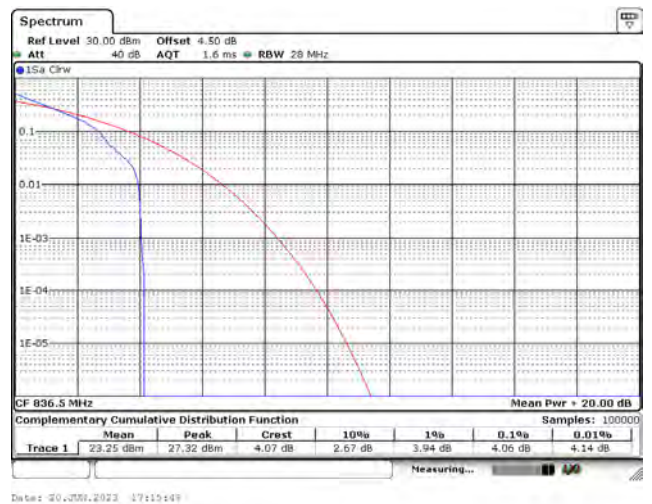
LTE Band 5_CH20643_1.4M_16-QAM_1RB



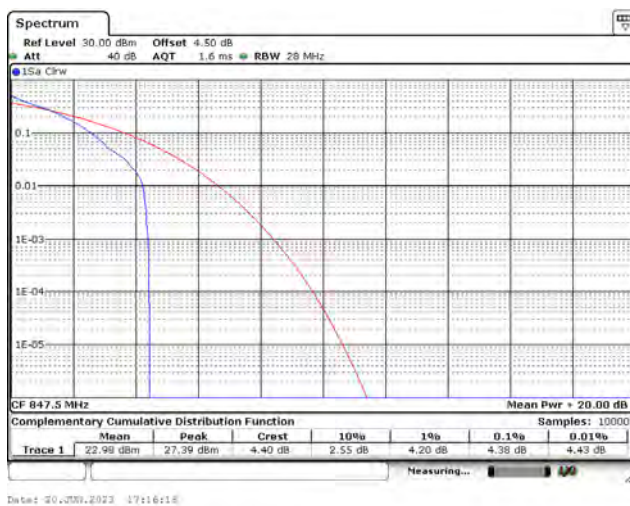
LTE Band 5_CH20415_3M_QPSK_1RB



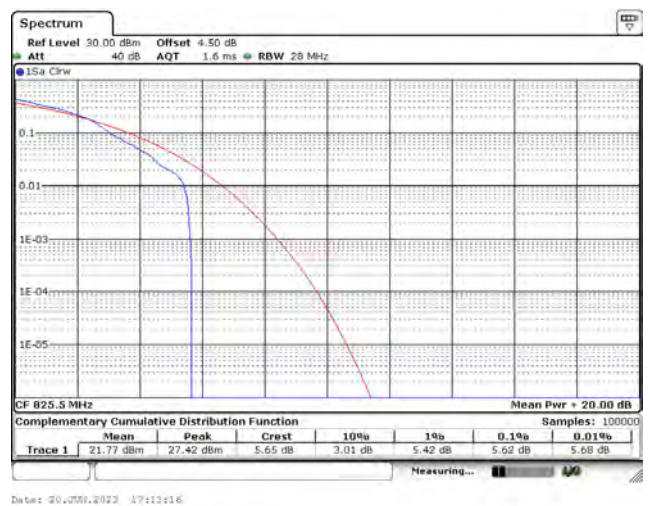
LTE Band 5_CH20525_3M_QPSK_1RB



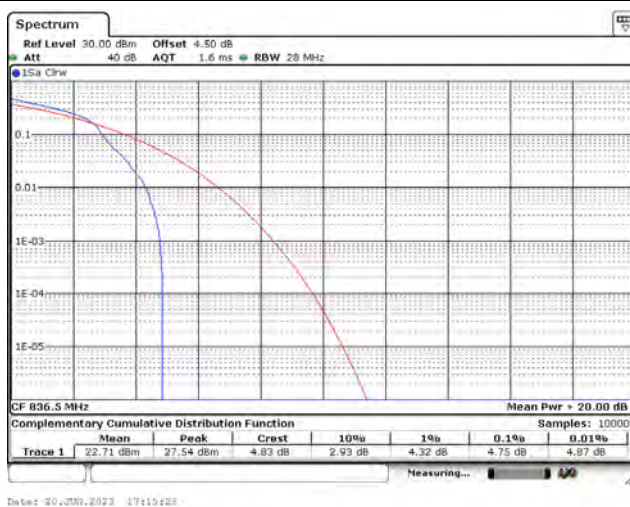
LTE Band 5_CH20635_3M_QPSK_1RB



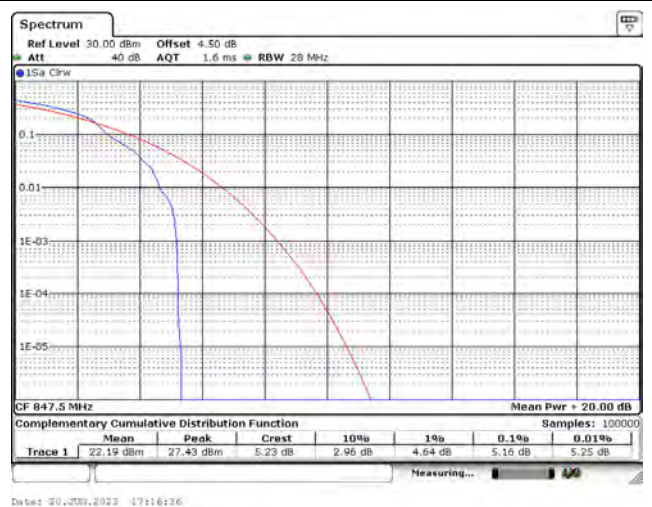
LTE Band 5_CH20415_3M_16-QAM_1RB



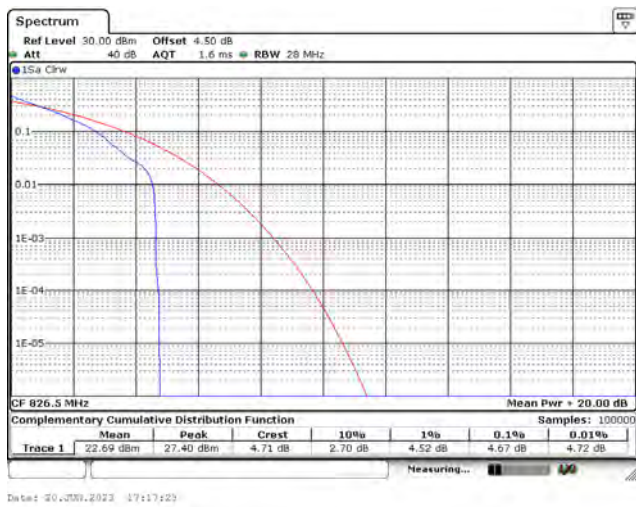
LTE Band 5_CH20525_3M_16-QAM_1RB



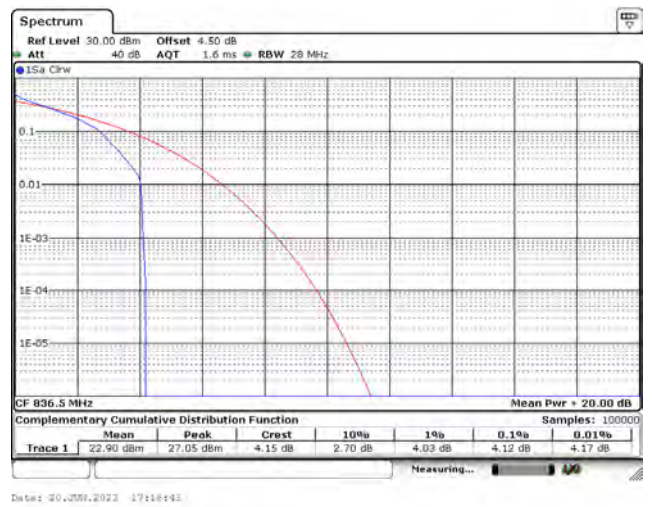
LTE Band 5_CH20635_3M_16-QAM_1RB



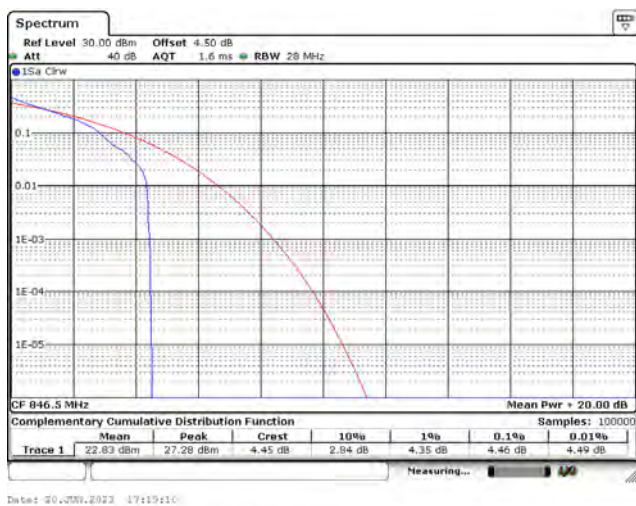
LTE Band 5_CH20425_5M_QPSK_1RB



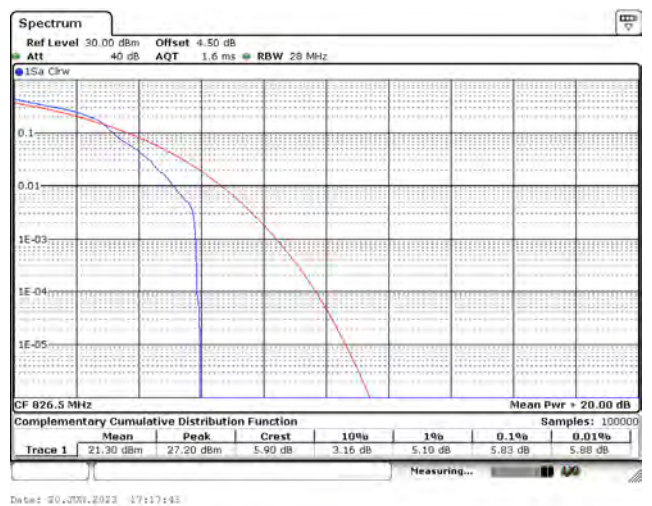
LTE Band 5_CH20525_5M_QPSK_1RB



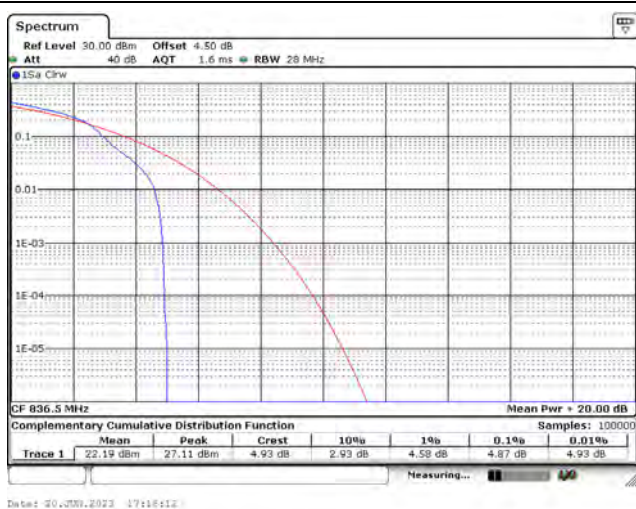
LTE Band 5_CH20625_5M_QPSK_1RB4



LTE Band 5_CH20425_5M_16-QAM_1RB



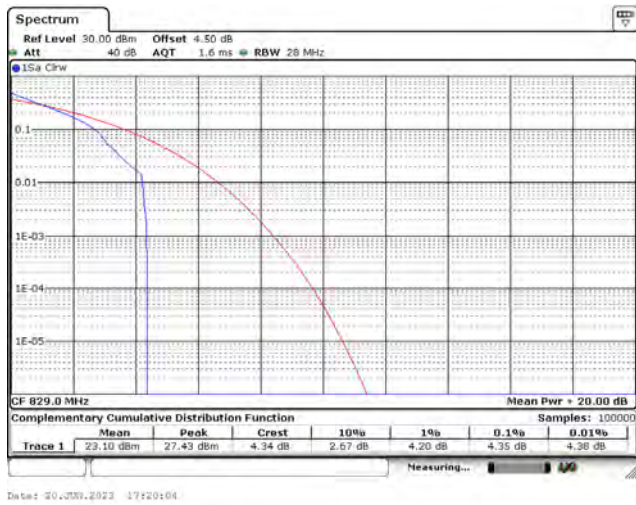
LTE Band 5_CH20525_5M_16-QAM_1RB



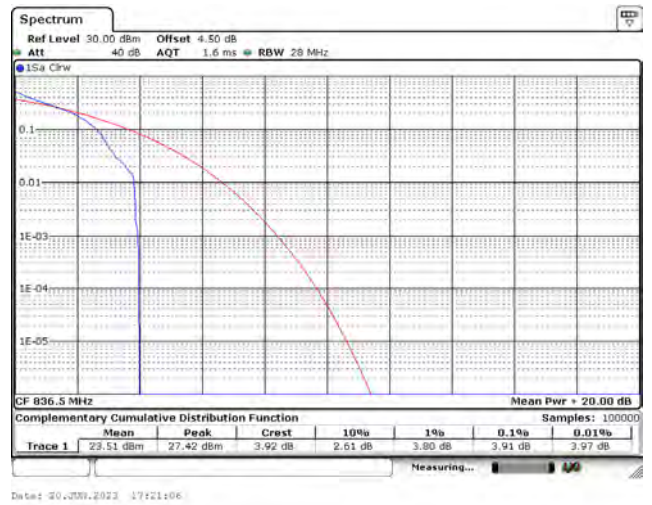
LTE Band 5_CH20625_5M_16-QAM_1RB



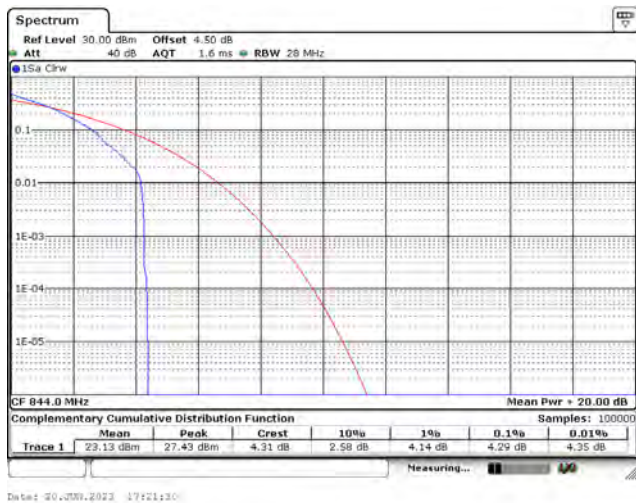
LTE Band 5_CH20450_10M_QPSK_1RB



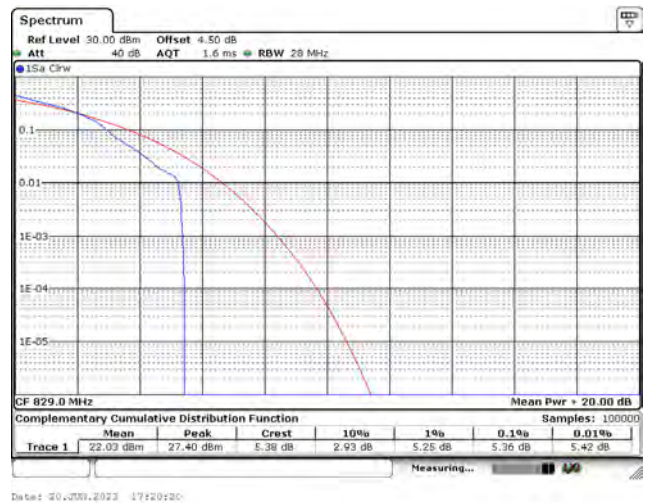
LTE Band 5_CH20525_10M_QPSK_1RB



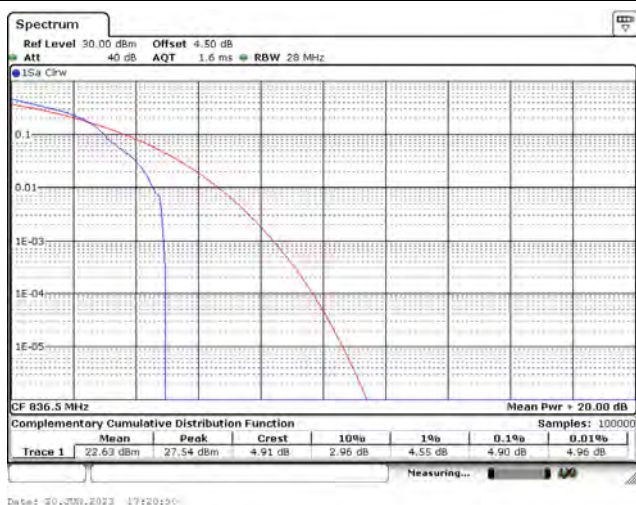
LTE Band 5_CH20600_10M_QPSK_1RB



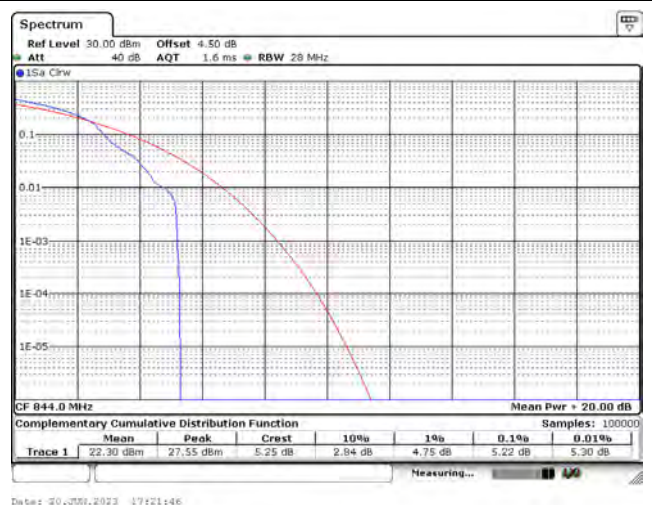
LTE Band 5_CH20450_10M_16-QAM_1RB



LTE Band 5_CH20525_10M_16-QAM_1RB

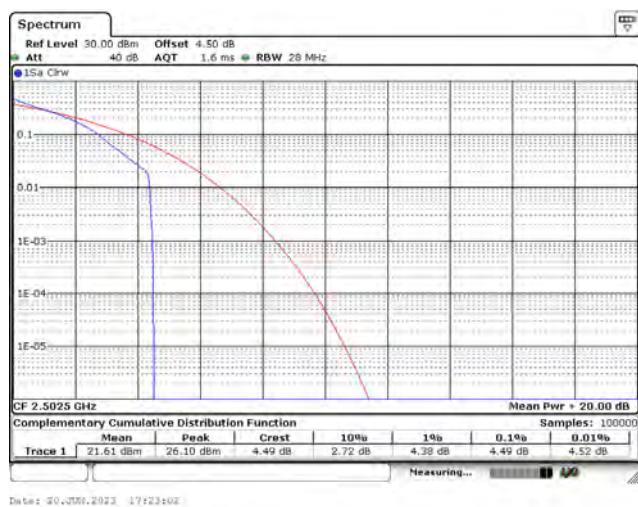


LTE Band 5_CH20600_10M_16-QAM_1RB

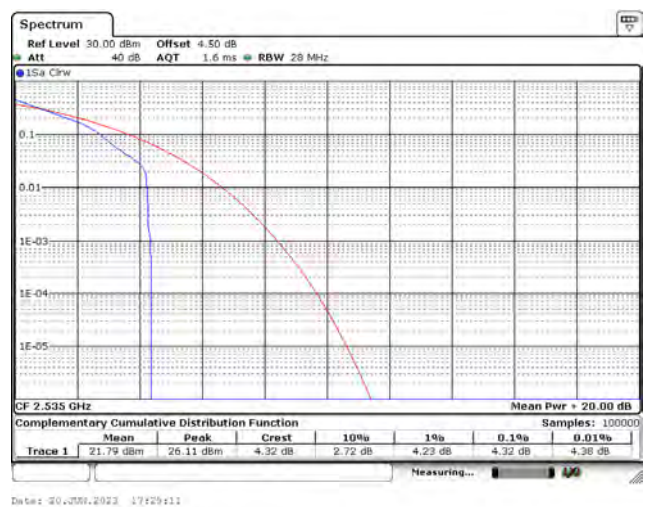


Mode 4: LTE Band 7

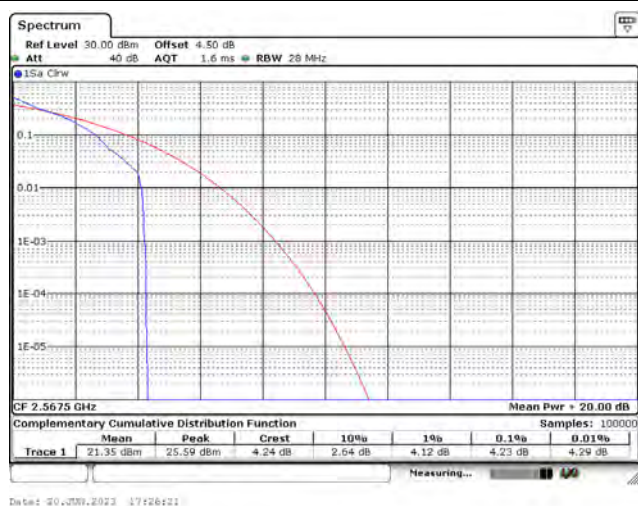
LTE Band 7_CH20775_5M_QPSK_1RB



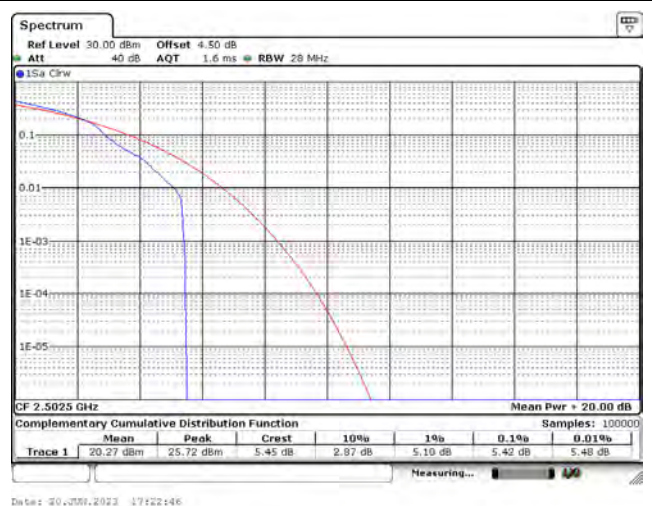
LTE Band 7_CH21100_5M_QPS_1RB



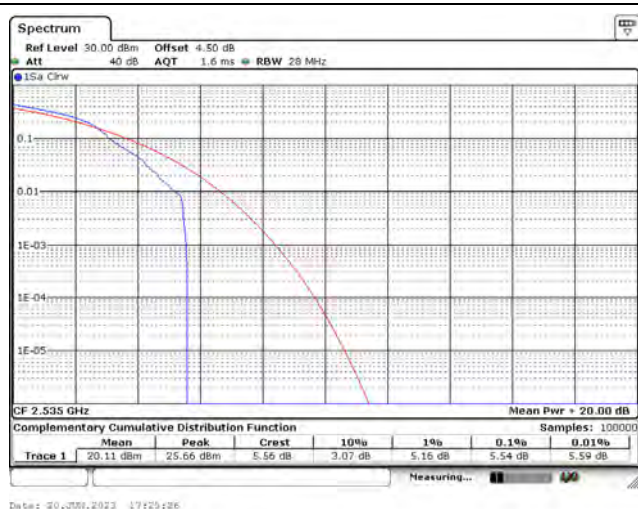
LTE Band 7_CH21425_5M_QPSK_1RB



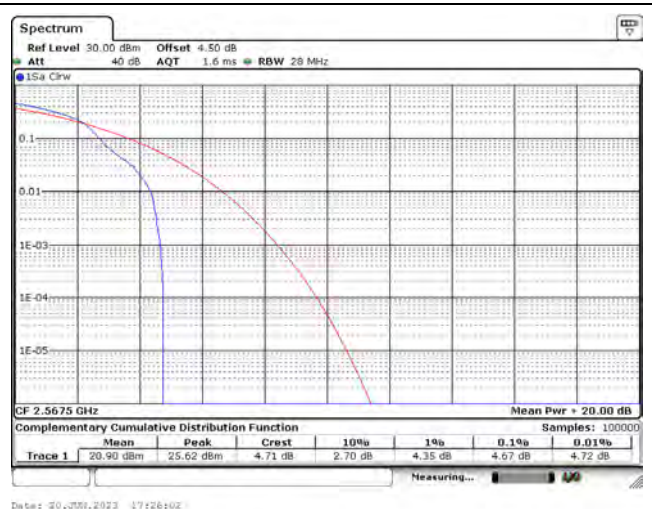
LTE Band 7_CH20775_5M_16QAM_1RB



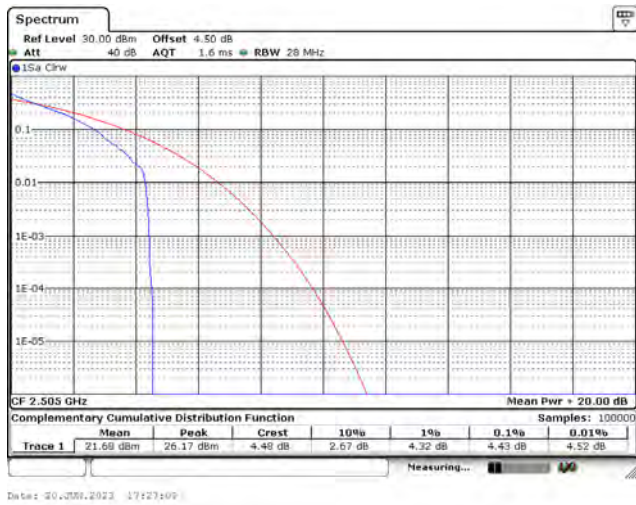
LTE Band 7_CH21100_5M_16QAM_1RB



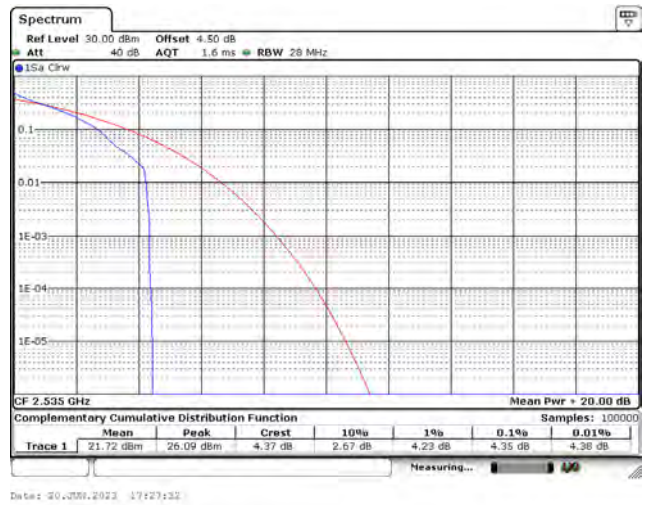
LTE Band 7_CH21425_5M_16QAM_1RB



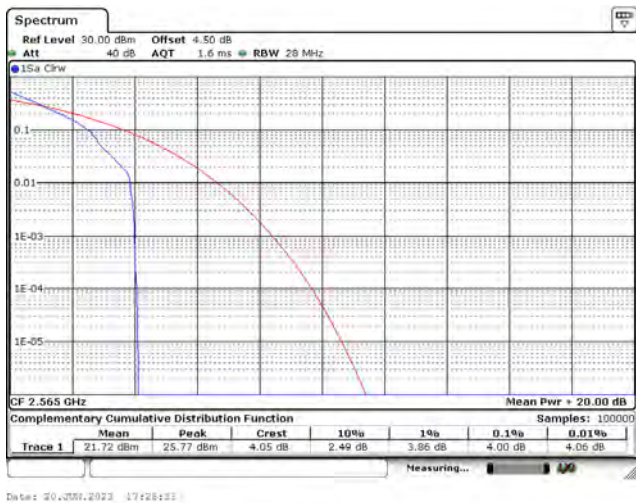
LTE Band 7 _CH20800_10M_QPSK_1RB



LTE Band 7 _CH21100_10M_QPSK_1RB



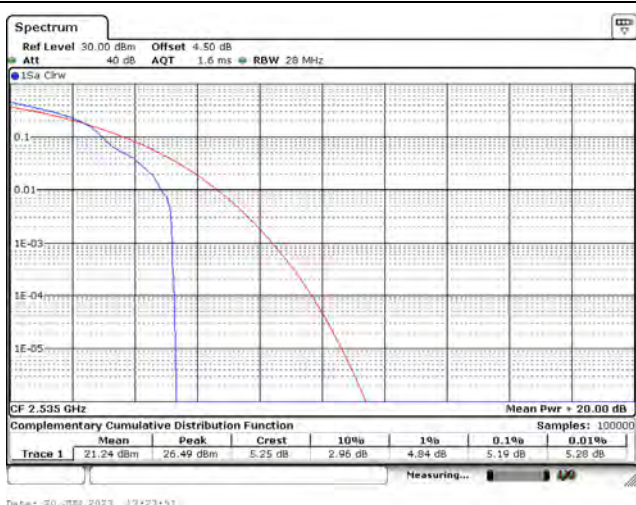
LTE Band 7 _CH21400_10M_QPSK_1RB



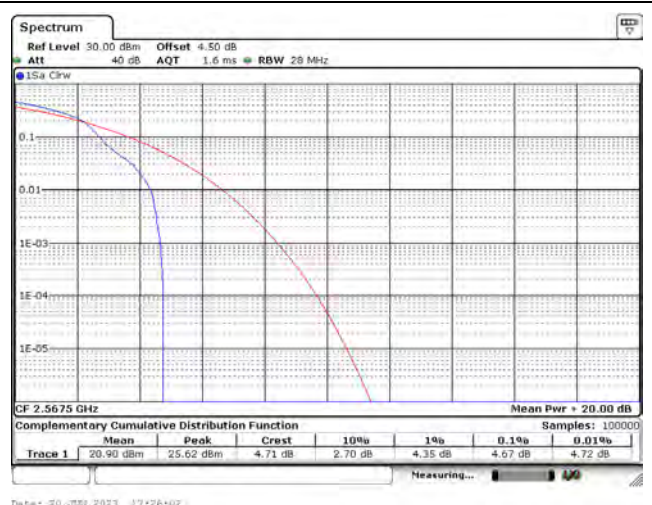
LTE Band 7 _CH20800_10M_16QAM_1RB



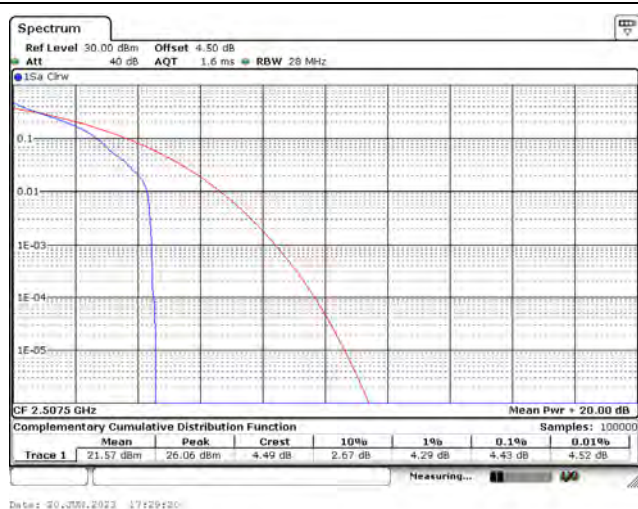
LTE Band 7 _CH21100_10M_16QAM_1RB



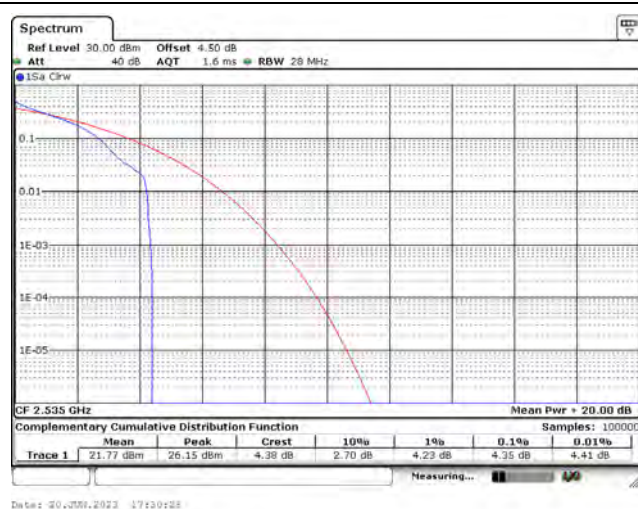
LTE Band 7 _CH21400_10M_16QAM_1RB



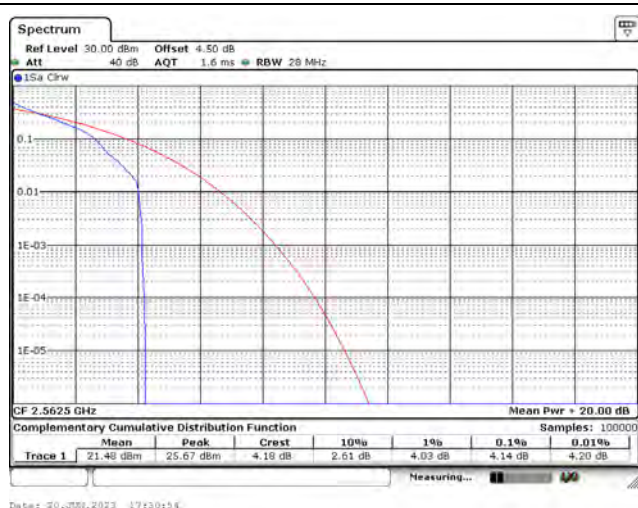
LTE Band 7_CH20825_15M_QPSK_1RB



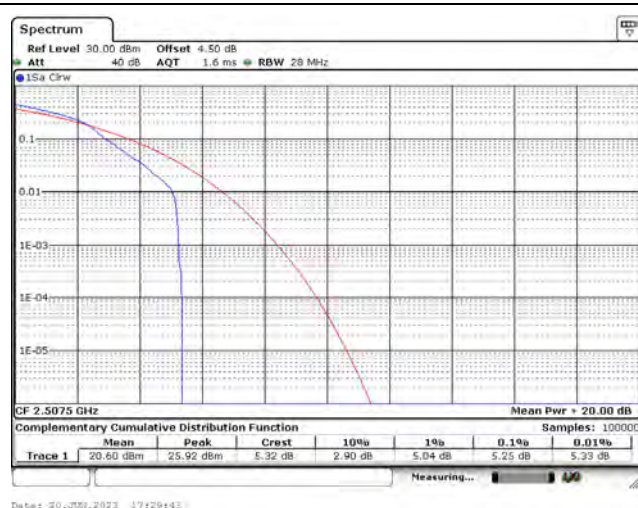
LTE Band _CH21100_15M7_QPSK_1RB



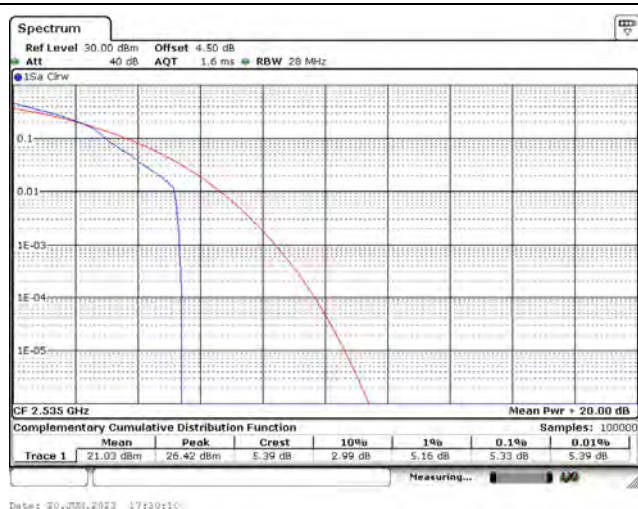
LTE Band 7_CH21375_15M_QPSK_1RB



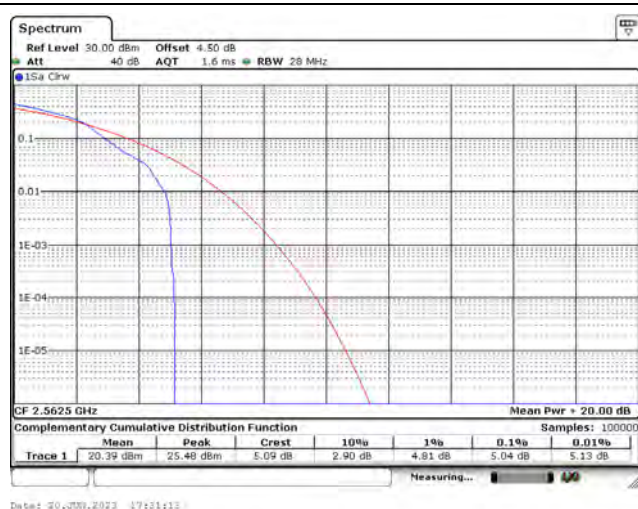
LTE Band 7_CH20825_15M_16QAM_1RB



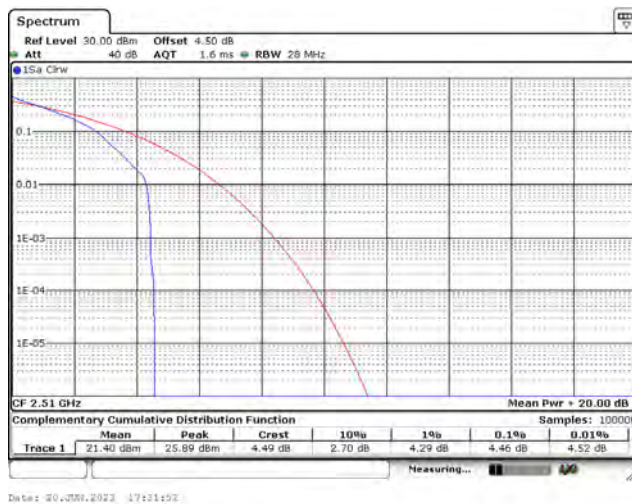
LTE Band 7_CH21100_15M_16QAM_1RB



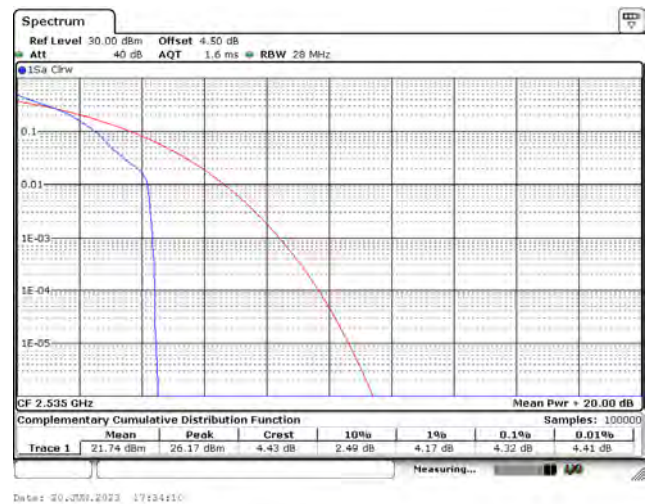
LTE Band 7_CH21375_15M_16QAM_1RB



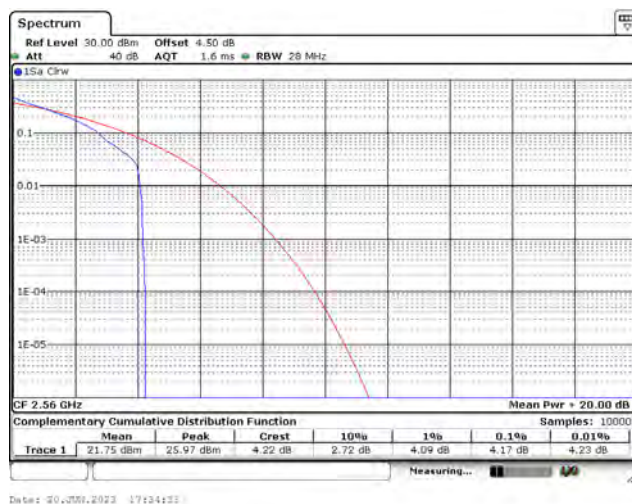
LTE Band 7_CH20850_20M_QPSK_1RB



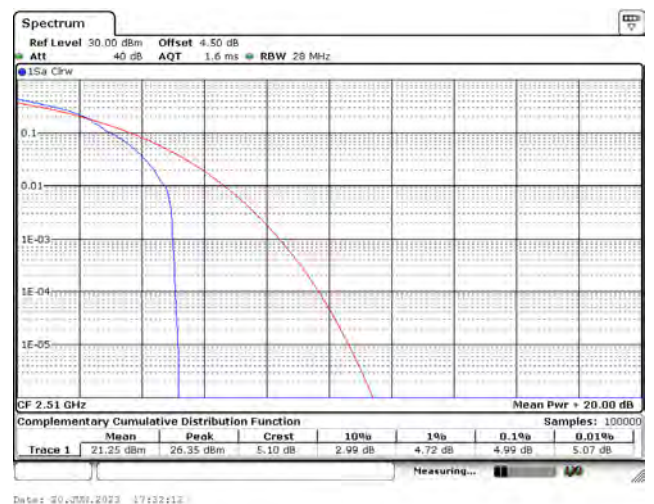
LTE Band 7_CH21100_20M_QPSK_1RB



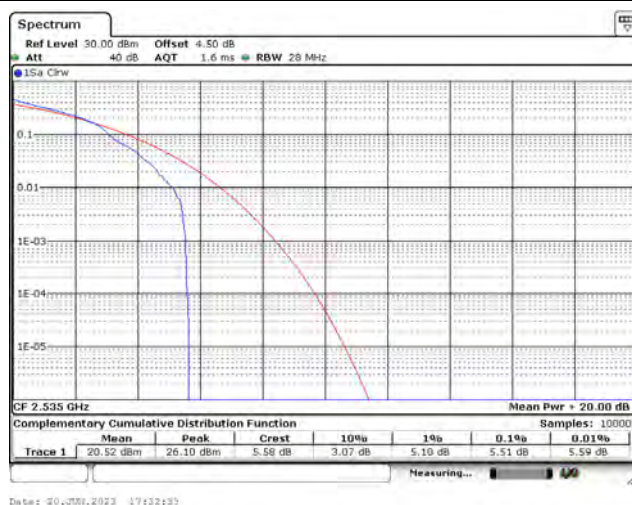
LTE Band 7_CH21350_20M_QPSK_1RB



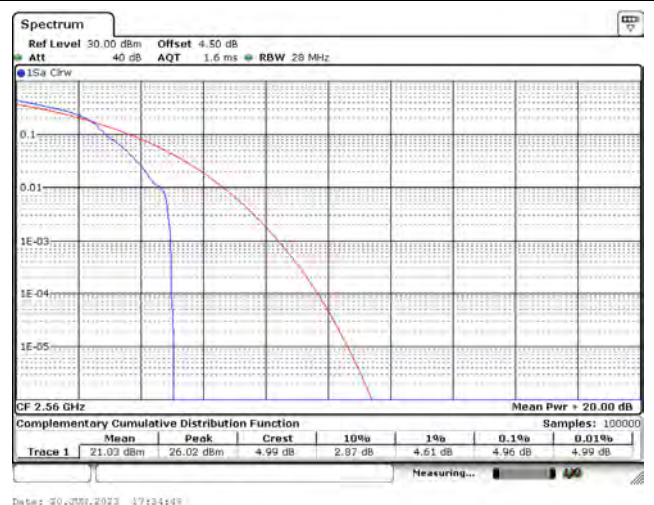
LTE Band 7_CH20850_20M_16QAM_1RB



LTE Band 7_CH21100_20M_16QAM_1RB

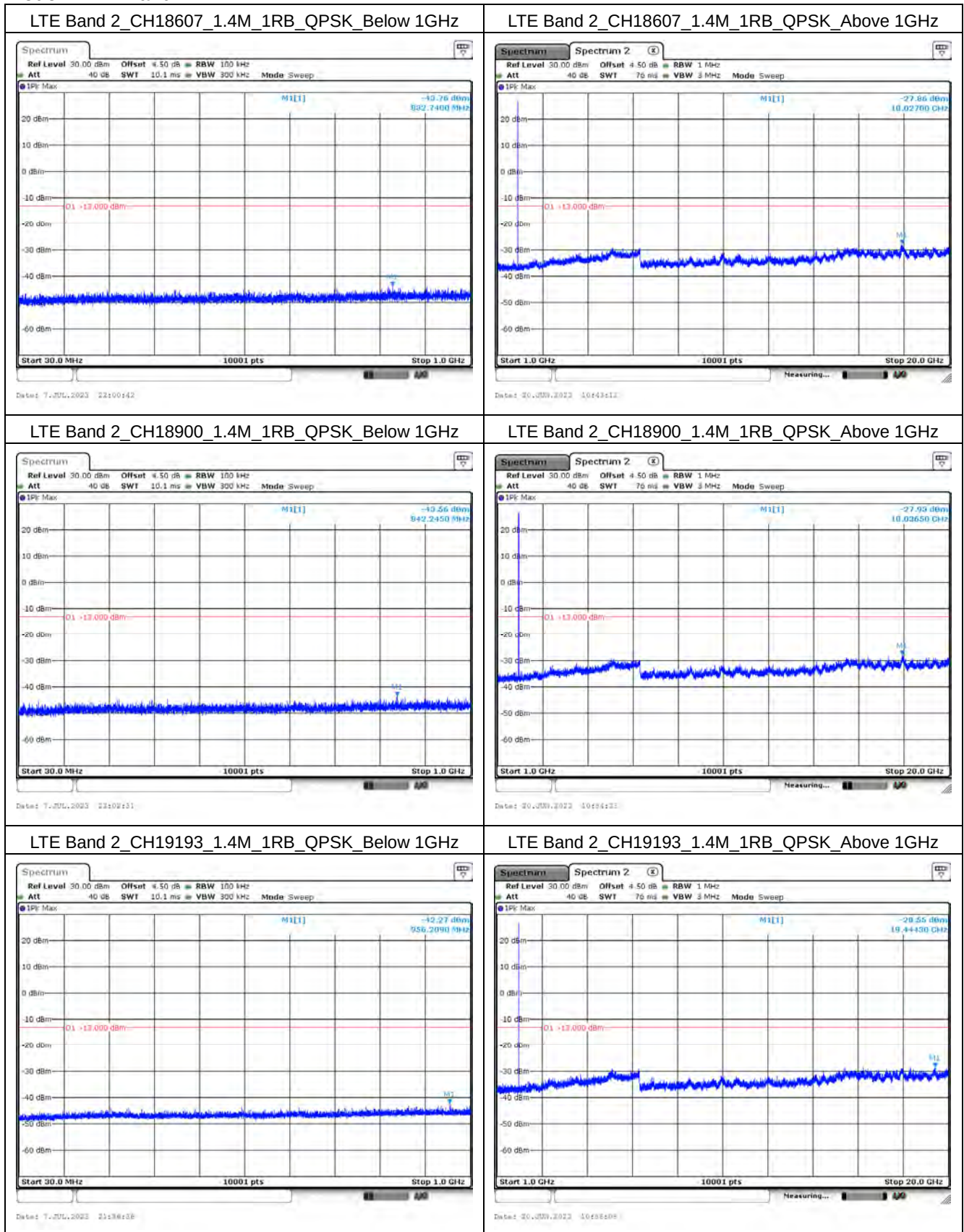


LTE Band 7_CH21350_20M_16QAM_1RB

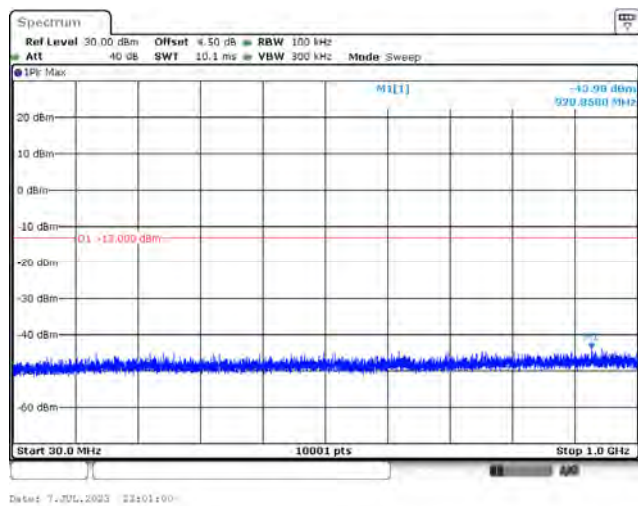


Appendix D.1 Test Result of Conducted Spurious Emission

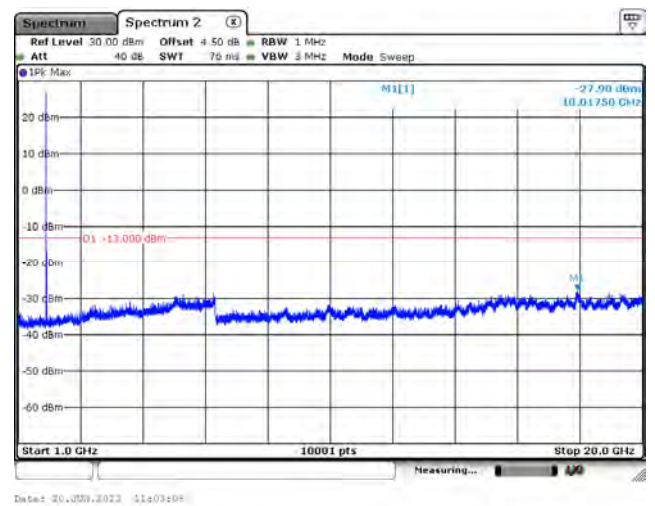
Mode 1: LTE Band 2



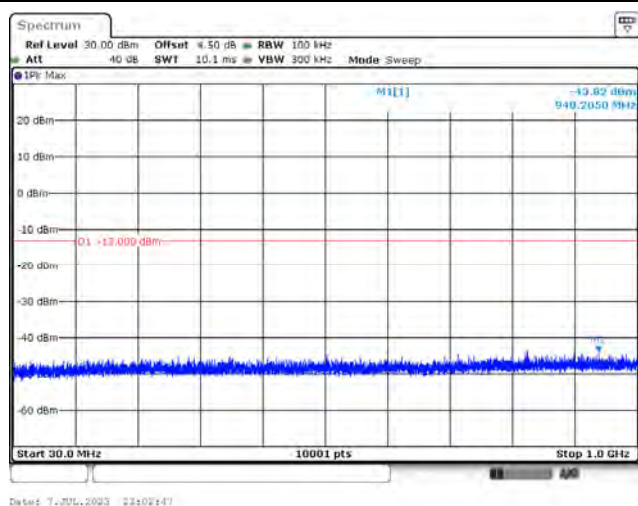
LTE Band 2_CH18615_3M_1RB_QPSK_Below 1GHz



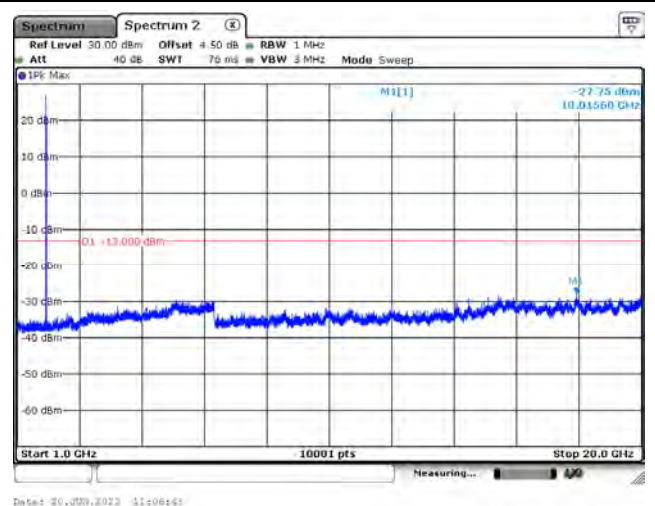
LTE Band 2_CH18615_3M_1RB_QPSK_Above 1GHz



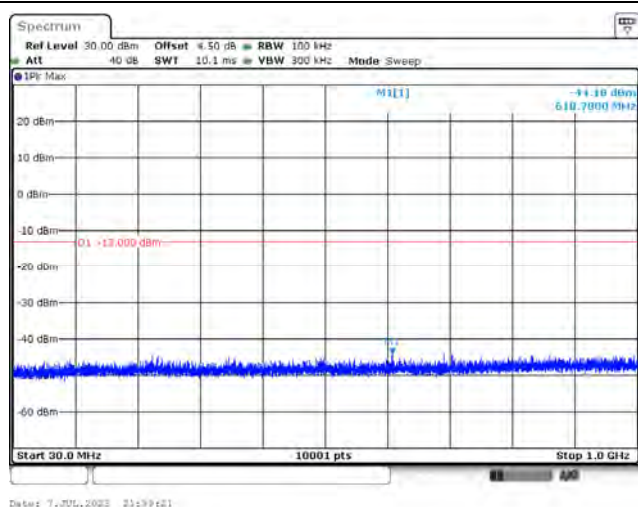
LTE Band 2_CH18900_3M_1RB_QPSK_Below 1GHz



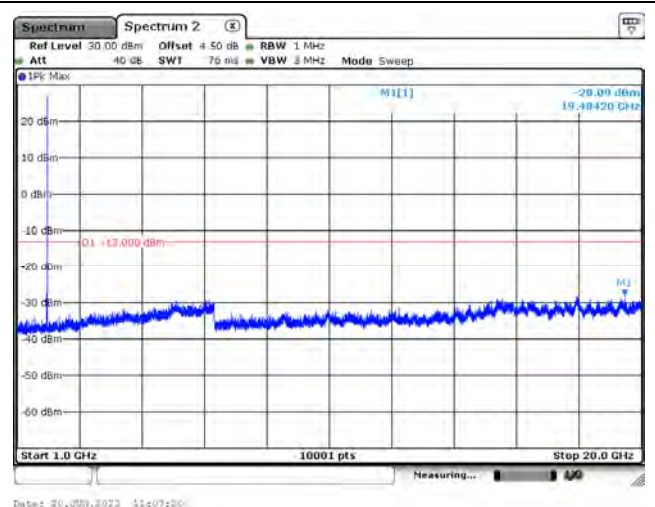
LTE Band 2_CH18900_3M_1RB_QPSK_Above 1GHz



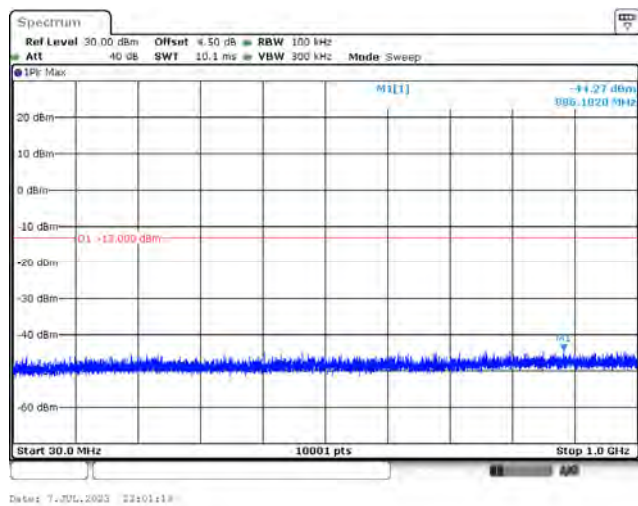
LTE Band 2_CH19185_3M_1RB_QPSK_Below 1GHz



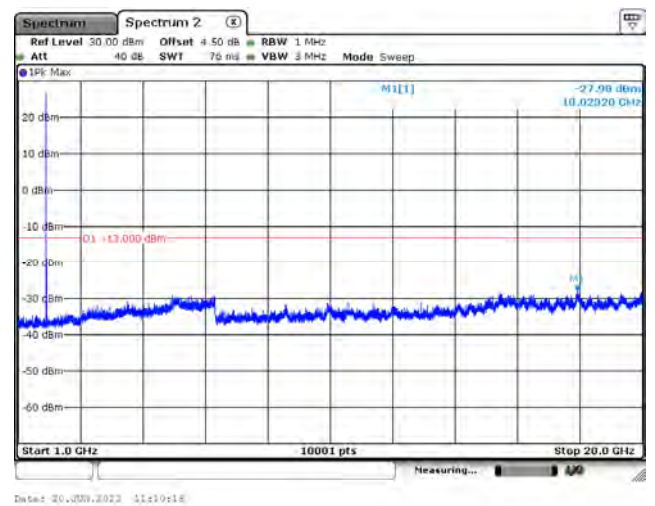
LTE Band 2_CH19185_3M_1RB_QPSK_Above 1GHz



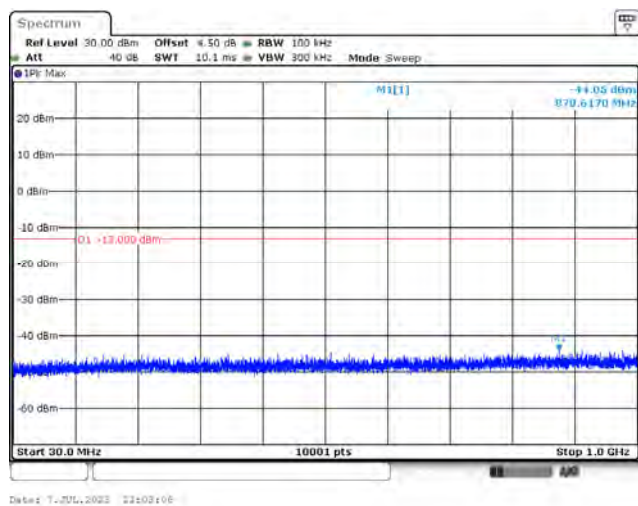
LTE Band 2_CH18625_5M_1RB_QPSK_Below 1GHz



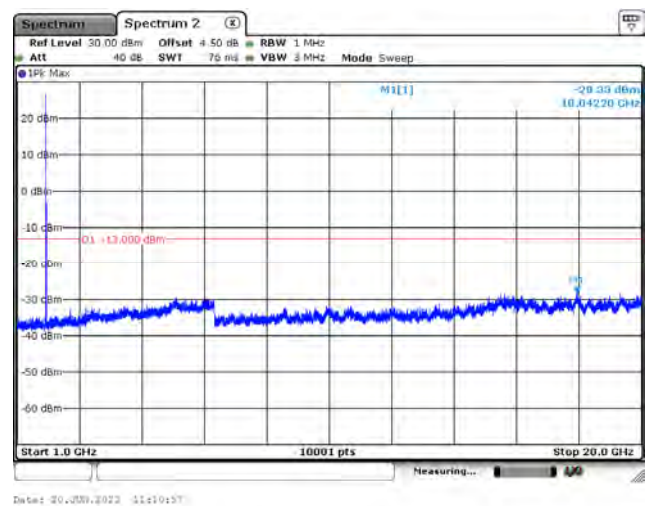
LTE Band 2_CH18625_5M_1RB_QPSK_Above 1GHz



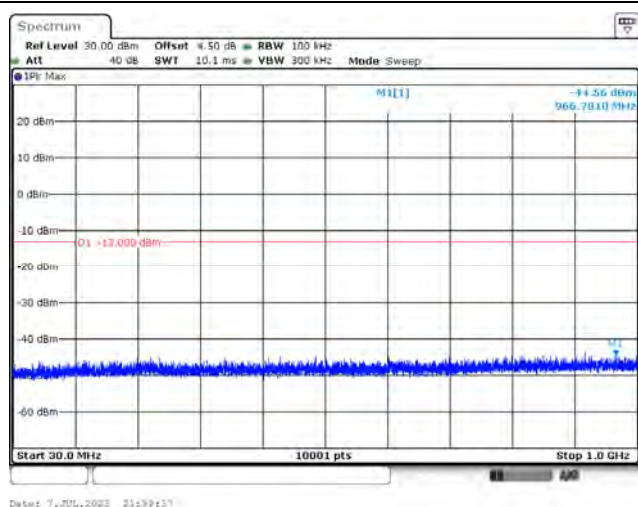
LTE Band 2_CH18900_5M_1RB_QPSK_Below 1GHz



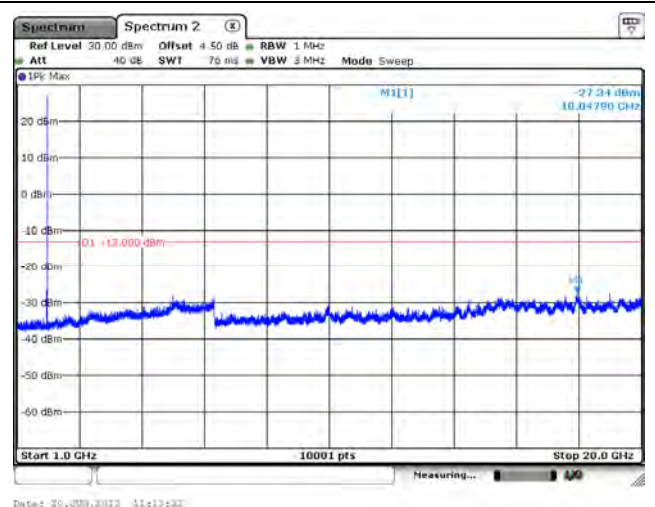
LTE Band 2_CH18900_5M_1RB_QPSK_Above 1GHz



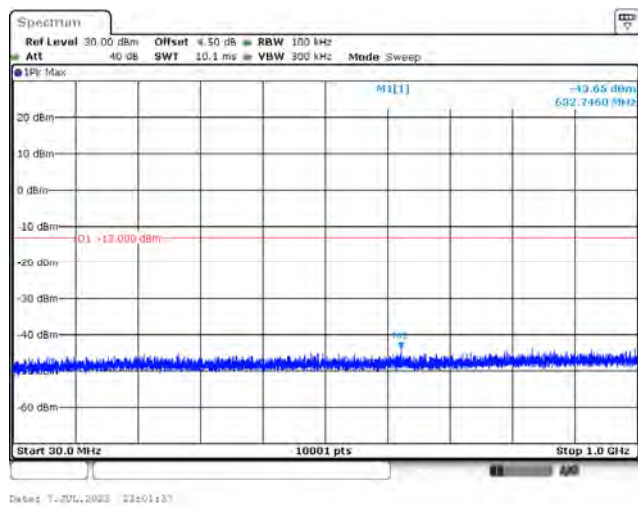
LTE Band 2_CH19175_5M_1RB_QPSK_Below 1GHz



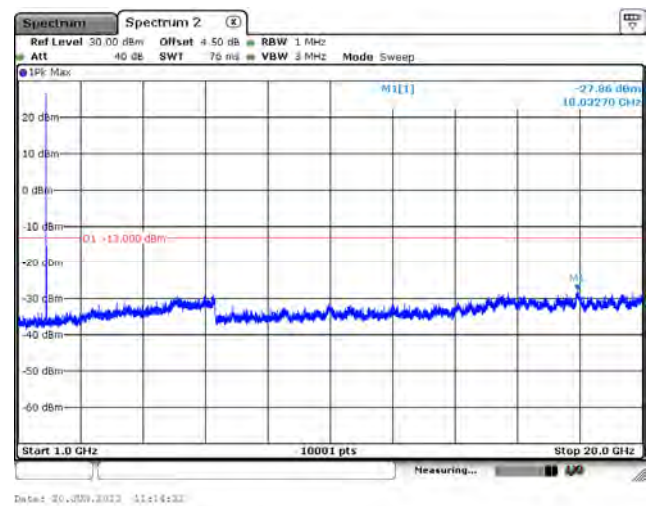
LTE Band 2_CH19175_5M_1RB_QPSK_Above 1GHz



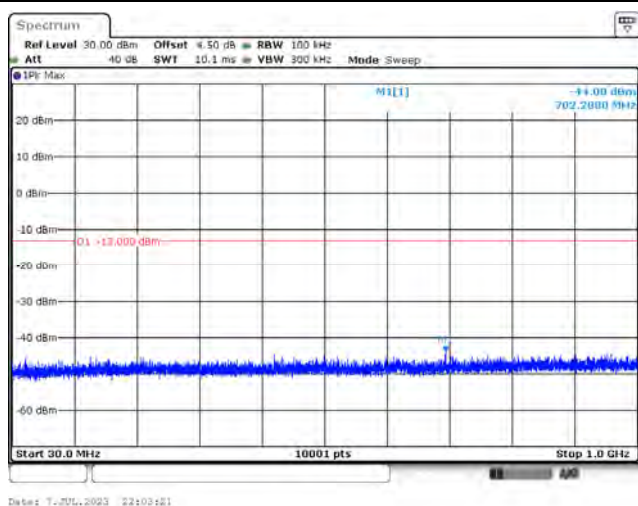
LTE Band 2_CH18650_10M_1RB_QPSK_Below 1GHz



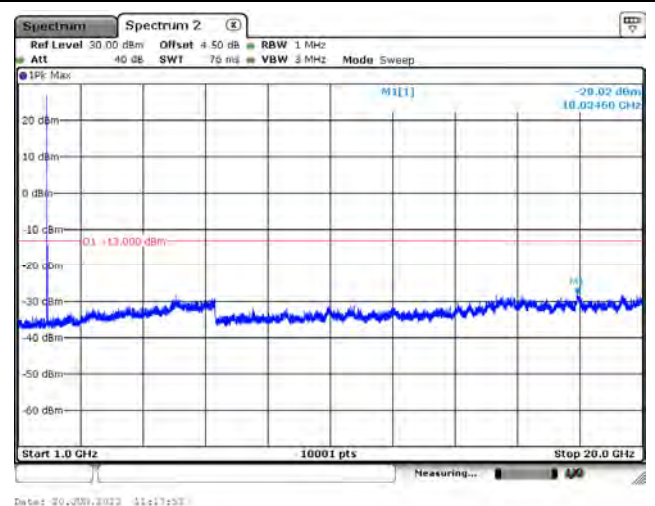
LTE Band 2_CH18650_10M_1RB_QPSK_Above 1GHz



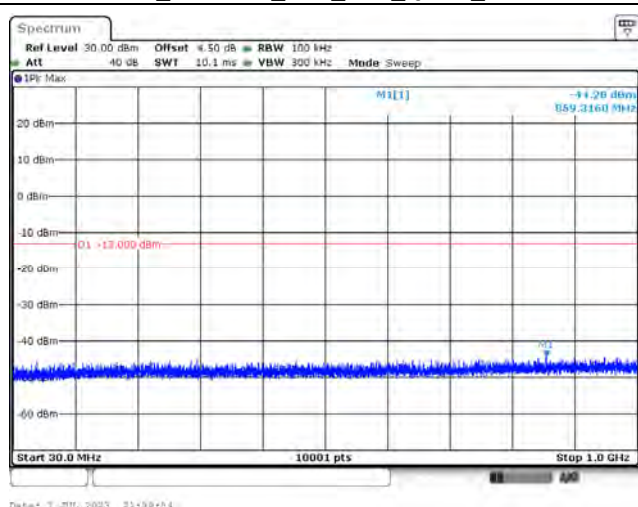
LTE Band 2_CH18900_10M_1RB_QPSK_Below 1GHz



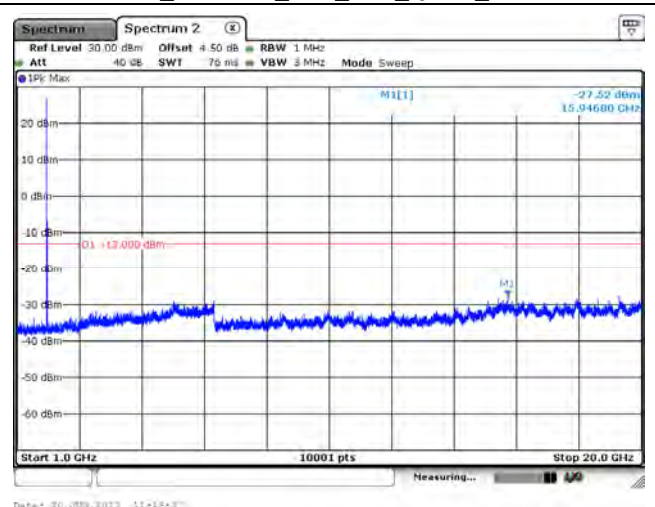
LTE Band 2_CH18900_10M_1RB_QPSK_Above 1GHz



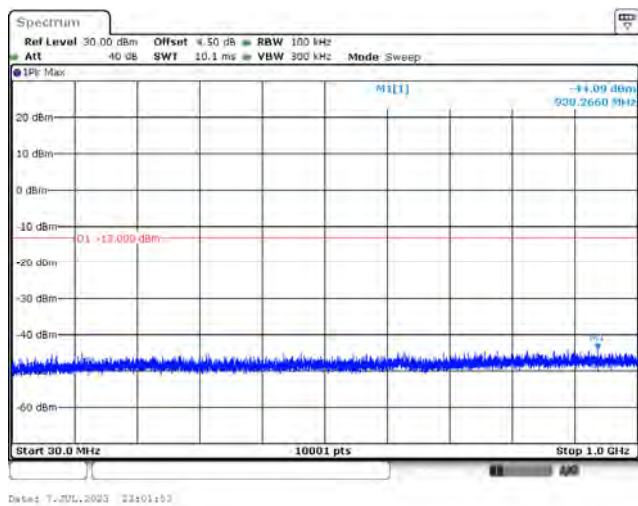
LTE Band 2_CH19150_10M_1RB_QPSK_Below 1GHz



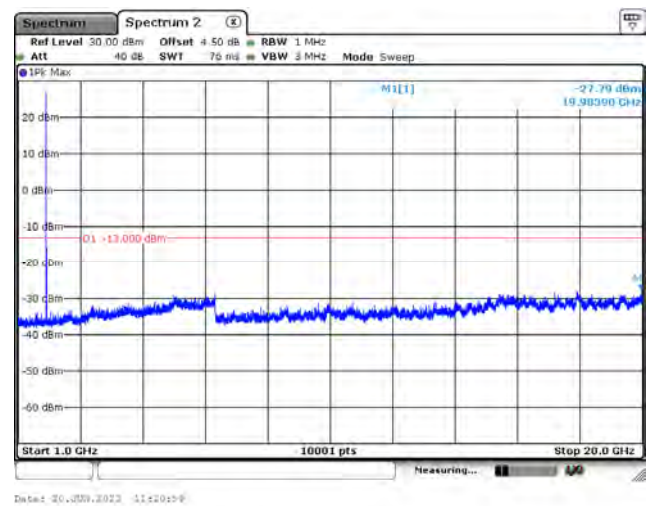
LTE Band 2_CH19150_10M_1RB_QPSK_Above 1GHz



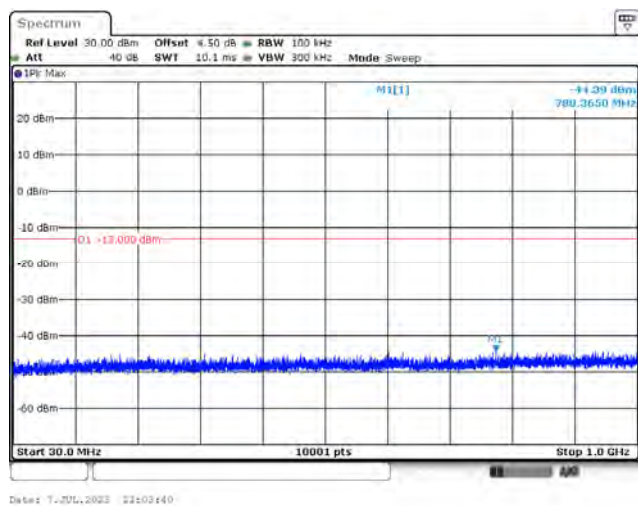
LTE Band 2_CH18675_15M_1RB_QPSK_Below 1GHz



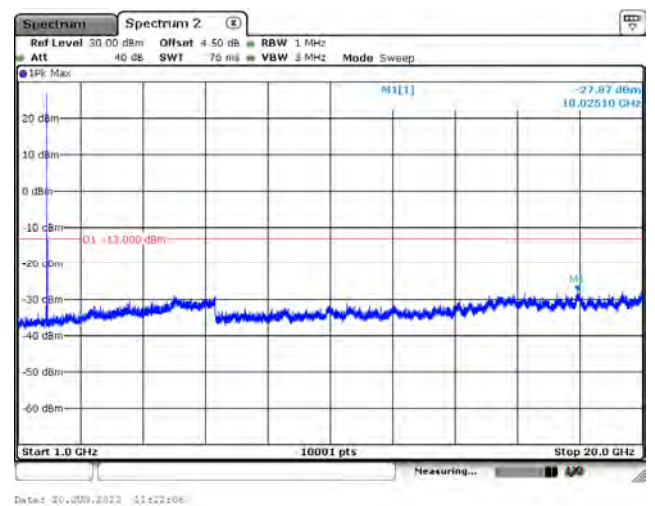
LTE Band 2_CH18675_15M_1RB_QPSK_Above 1GHz



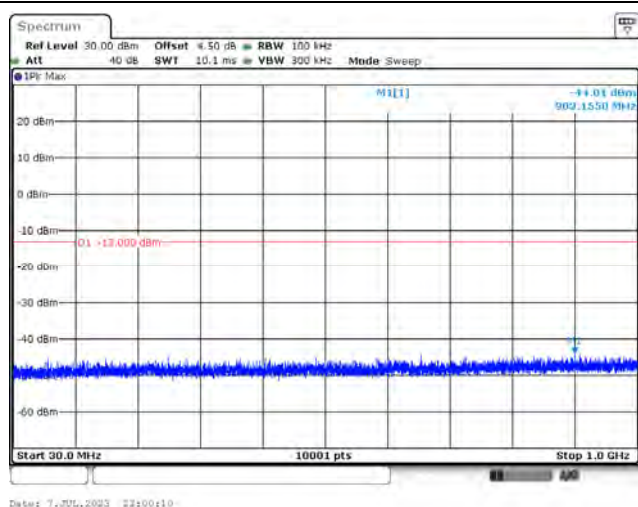
LTE Band 2_CH18900_15M_1RB_QPSK_Below 1GHz



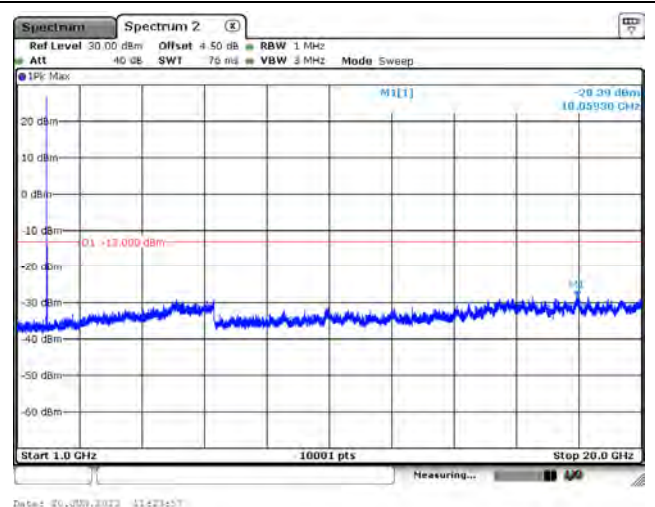
LTE Band 2_CH18900_15M_1RB_QPSK_Above 1GHz



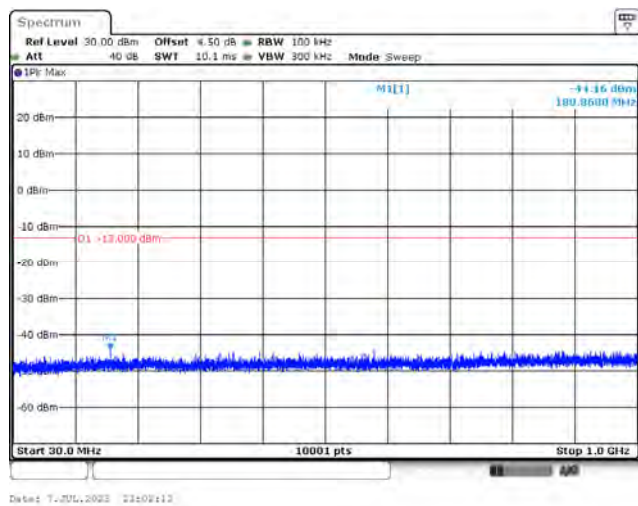
LTE Band 2_CH19125_15M_1RB_QPSK_Below 1GHz



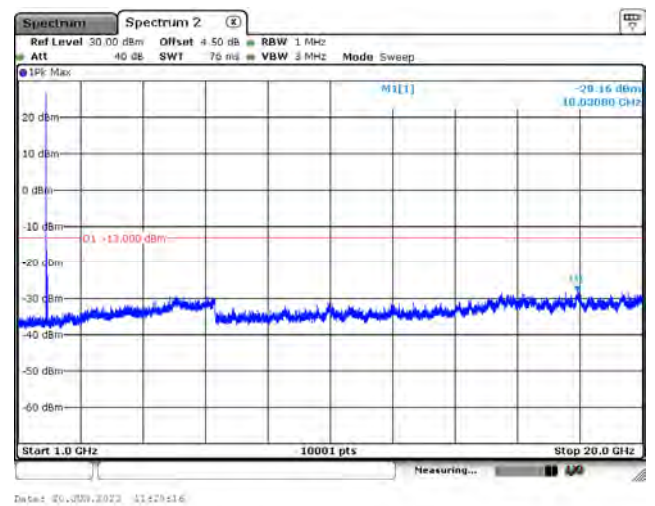
LTE Band 2_CH19125_15M_1RB_QPSK_Above 1GHz



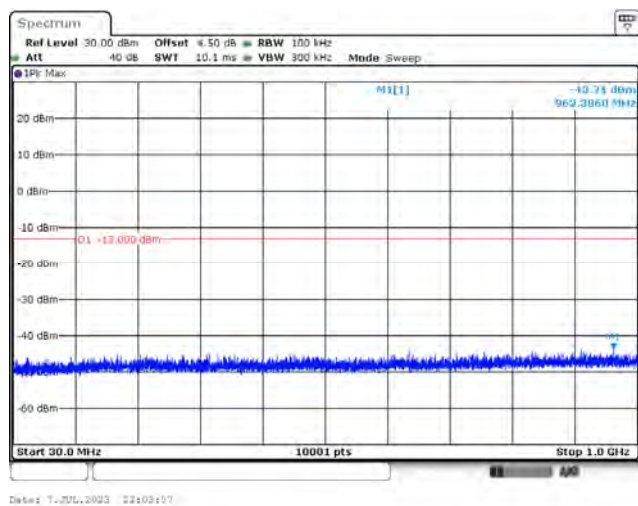
LTE Band 2_CH18700_20M_1RB_QPSK_Below 1GHz



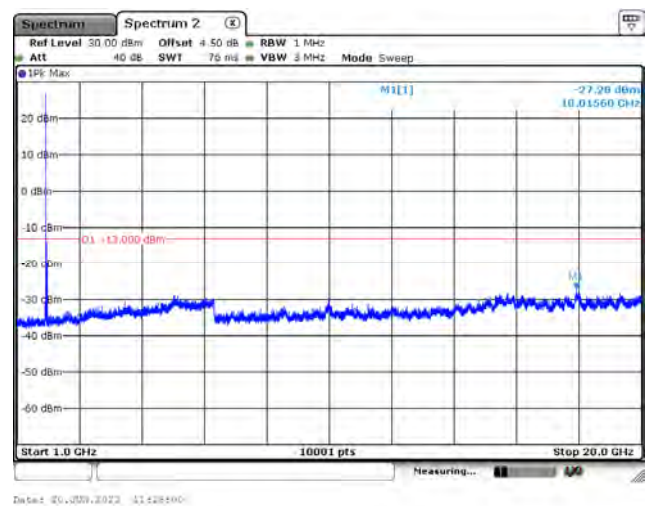
LTE Band 2_CH18700_20M_1RB_QPSK_Above 1GHz



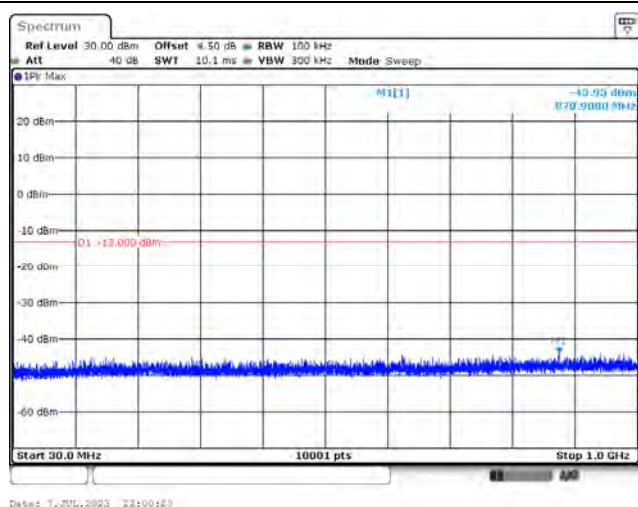
LTE Band 2_CH18900_20M_1RB_QPSK_Below 1GHz



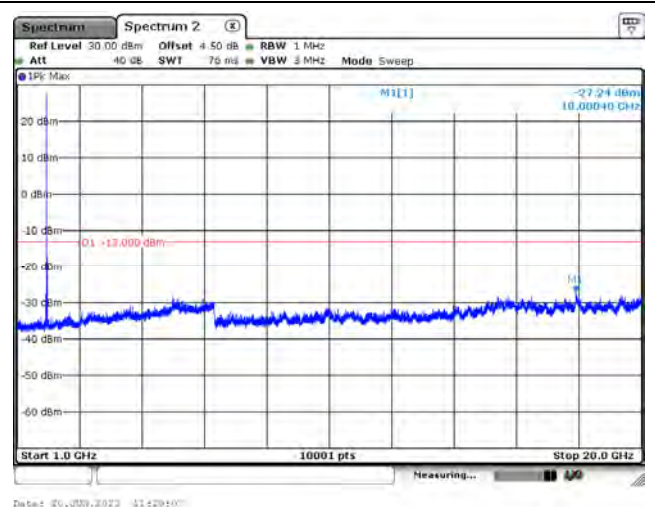
LTE Band 2_CH18900_20M_1RB_QPSK_Above 1GHz



LTE Band 2_CH19100_20M_1RB_QPSK_Below 1GHz

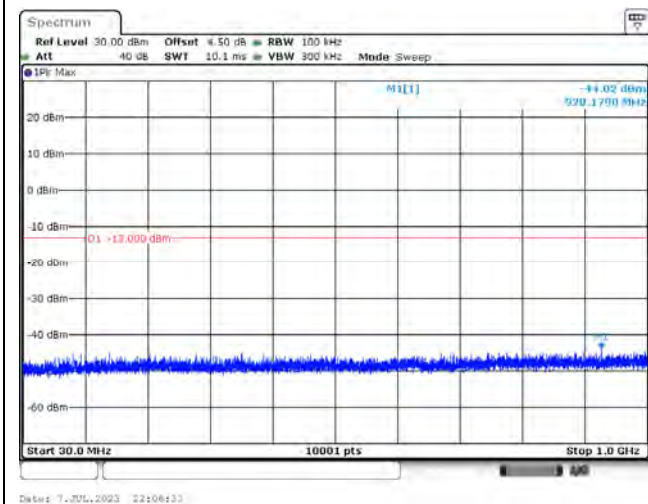


LTE Band 2_CH19100_20M_1RB_QPSK_Above 1GHz

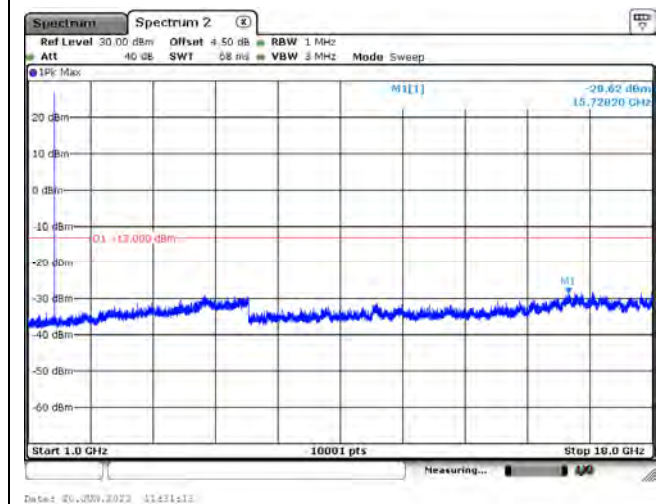


Mode 2: LTE Band 4/66

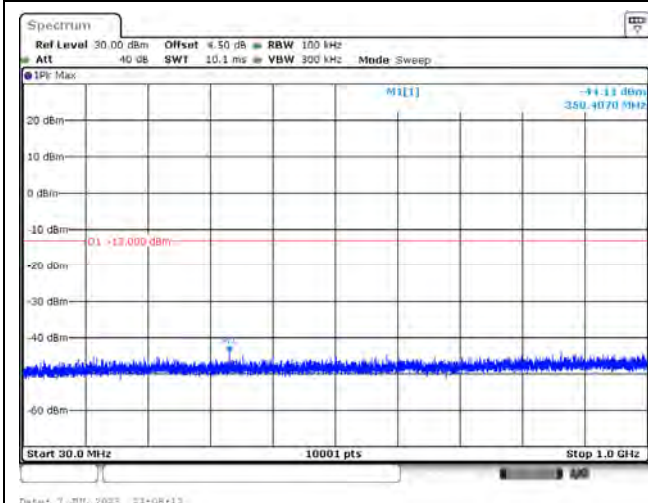
LTE Band 4/66_CH131979_1.4M_1RB_QPSK_Below 1GHz



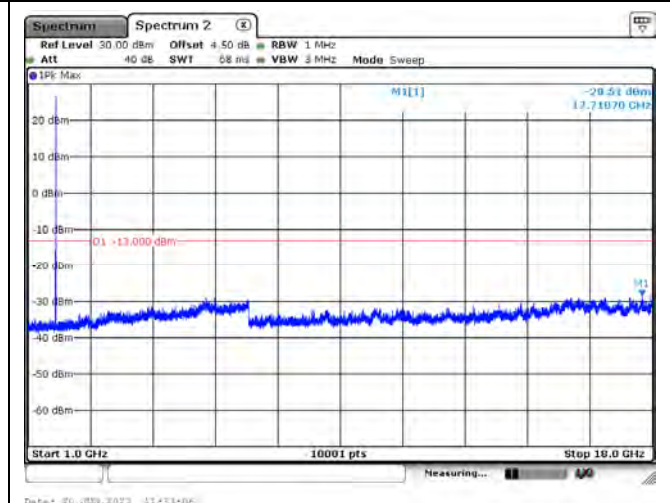
LTE Band 4/66_CH131979_1.4M_1RB_QPSK_Above 1GHz



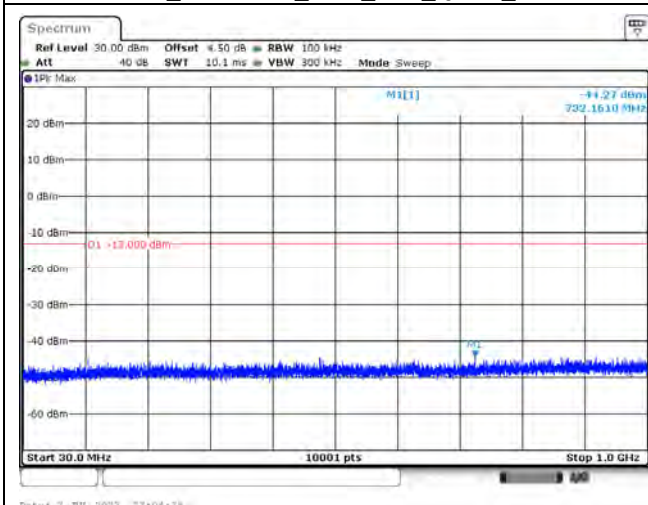
LTE Band 4/66_CH132322_1.4M_1RB_QPSK_Below 1GHz



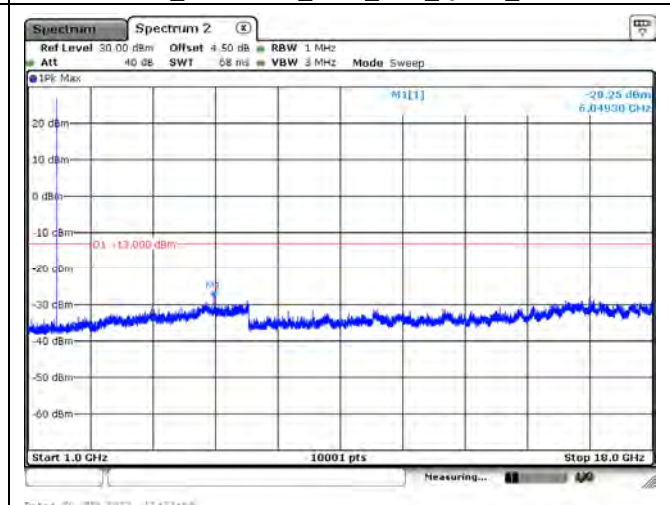
LTE Band 4/66_CH132322_1.4M_1RB_QPSK_Above 1GHz



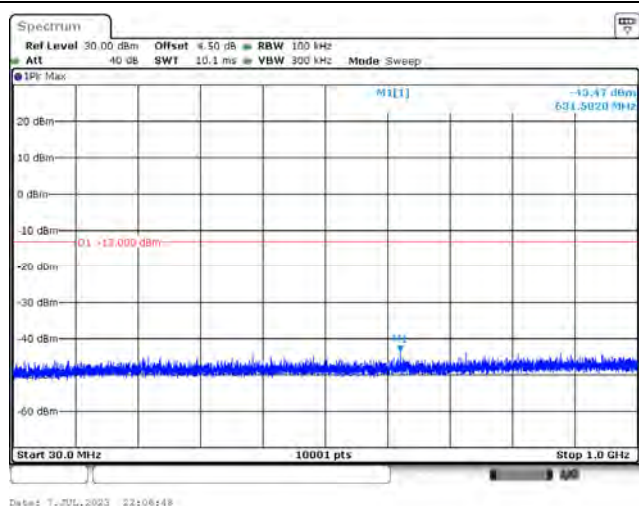
LTE Band 4/66_CH132665_1.4M_1RB_QPSK_Below 1GHz



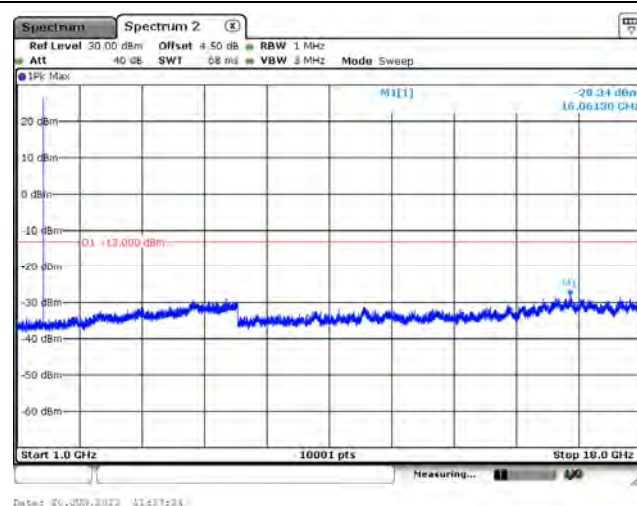
LTE Band 4/66_CH132665_1.4M_1RB_QPSK_Above 1GHz



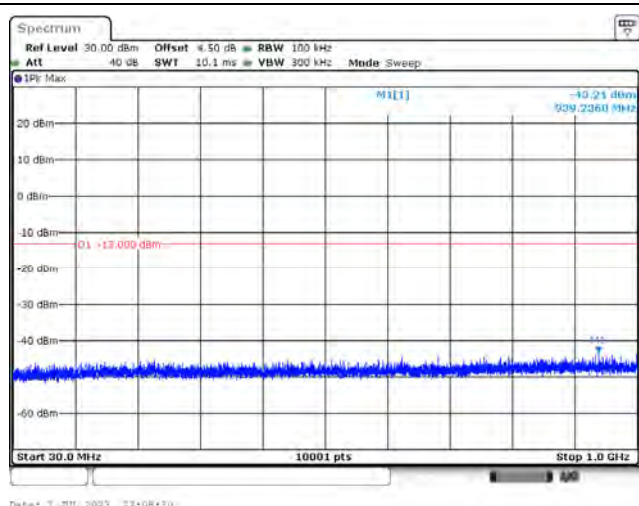
LTE Band 4/66_CH131987_3M_1RB_QPSK_Below 1GHz



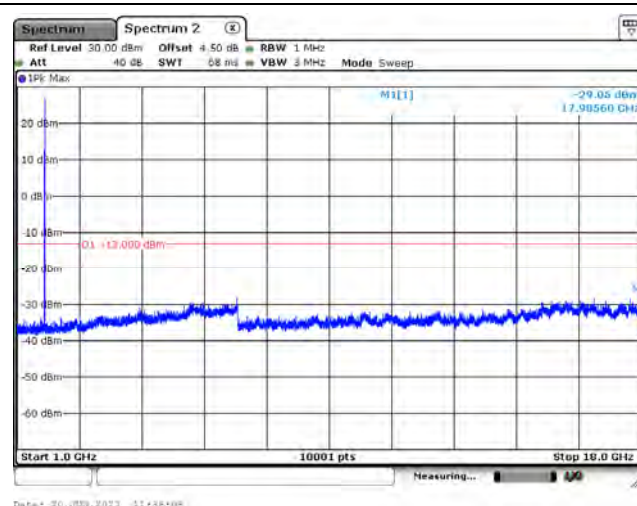
LTE Band 4/66_CH131987_3M_1RB_QPSK_Above 1GHz



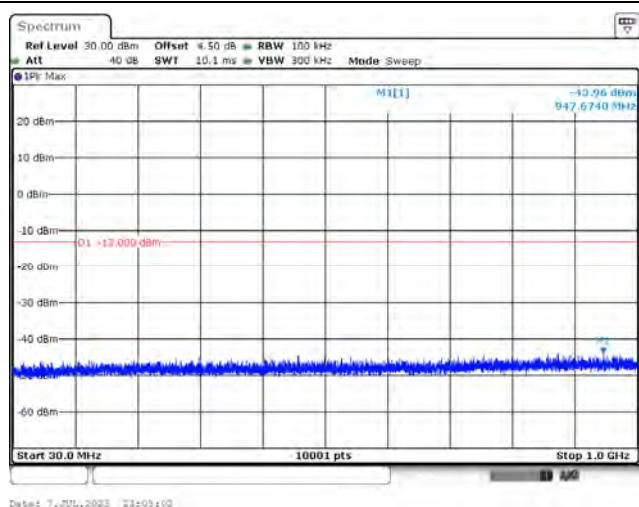
LTE Band 4/66_CH132322_3M_1RB_QPSK_Below 1GHz



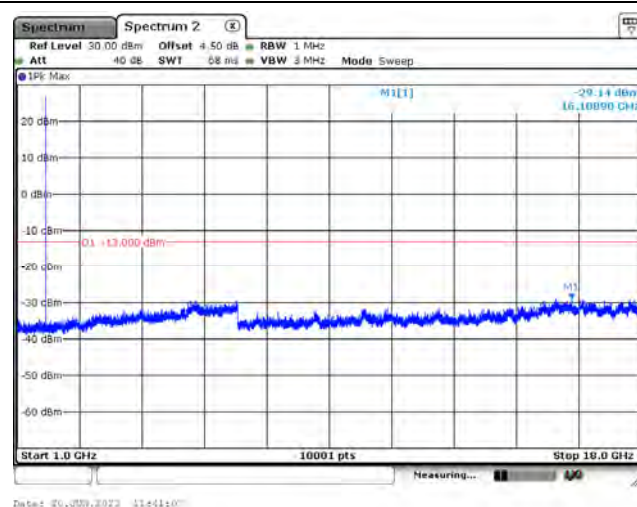
LTE Band 4/66_CH132322_3M_1RB_QPSK_Above 1GHz



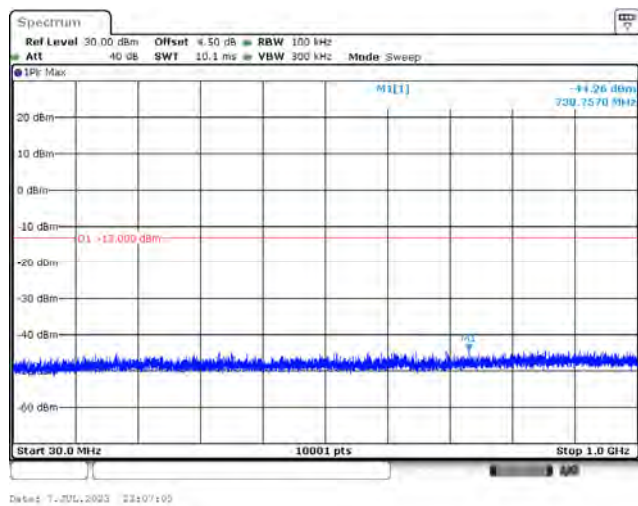
LTE Band 4/66_CH132657_3M_1RB_QPSK_Below 1GHz



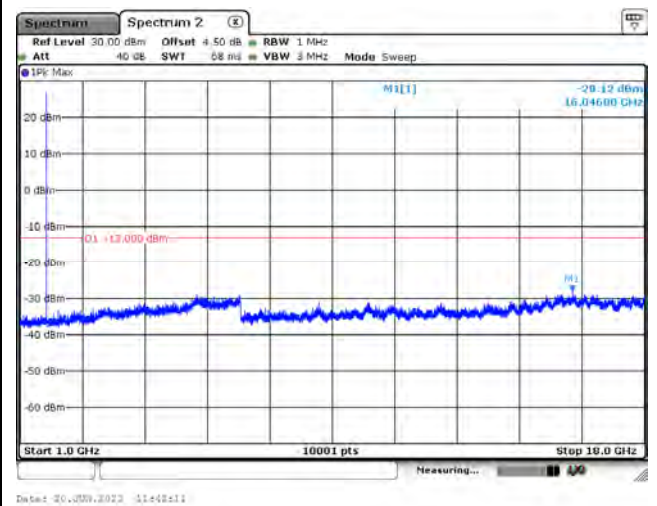
LTE Band 4/66_CH132657_3M_1RB_QPSK_Above 1GHz



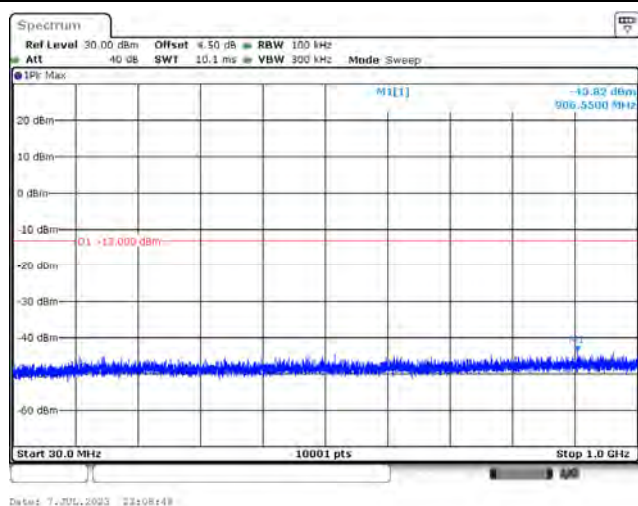
LTE Band 4/66_CH131997_5M_1RB_QPSK_Below 1GHz



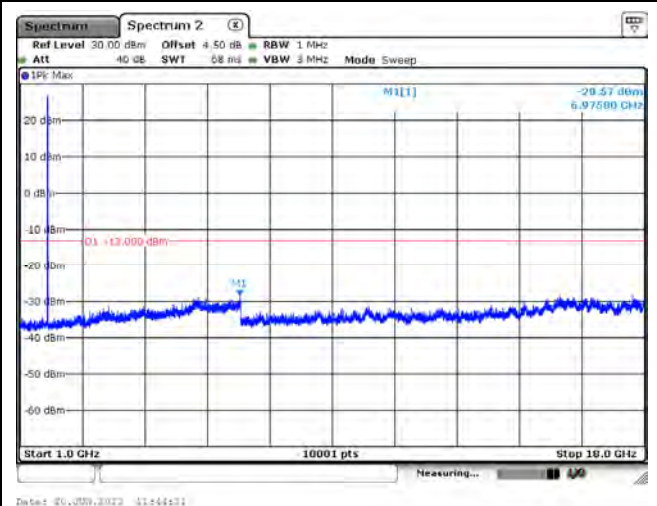
LTE Band 4/66_CH131997_5M_1RB_QPSK_Above 1GHz



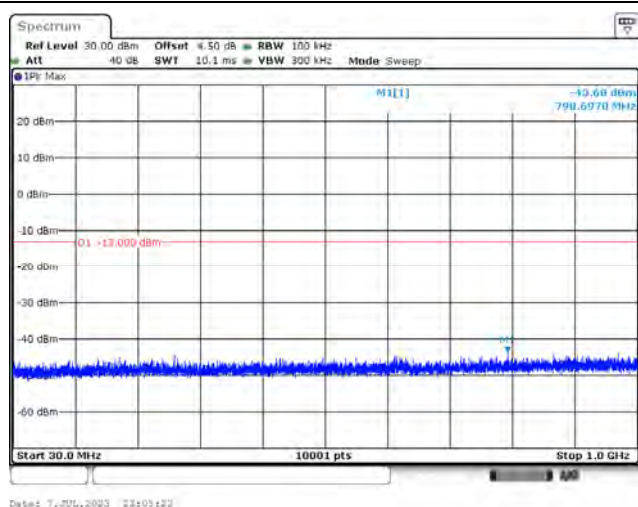
LTE Band 4/66_CH132322_5M_1RB_QPSK_Below 1GHz



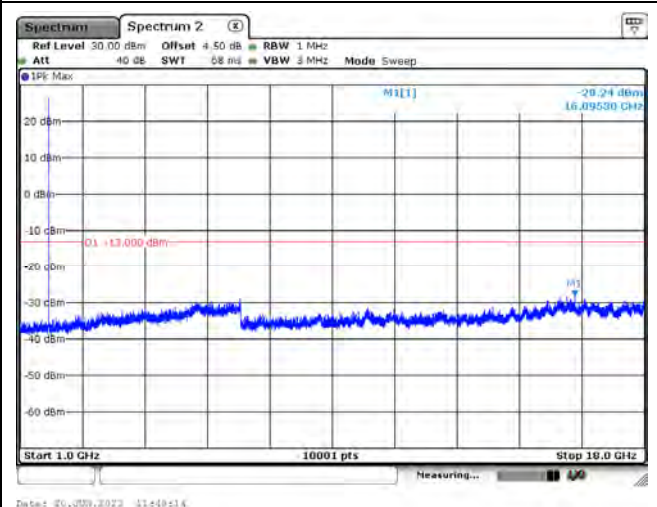
LTE Band 4/66_CH132322_5M_1RB_QPSK_Above 1GHz



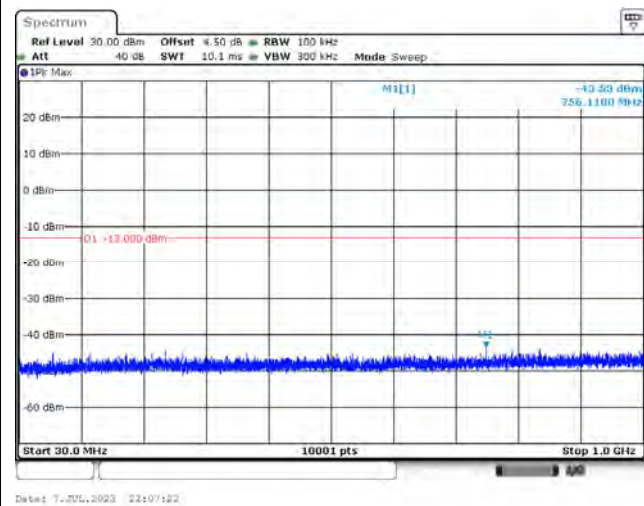
LTE Band 4/66_CH132647_5M_1RB_QPSK_Below 1GHz



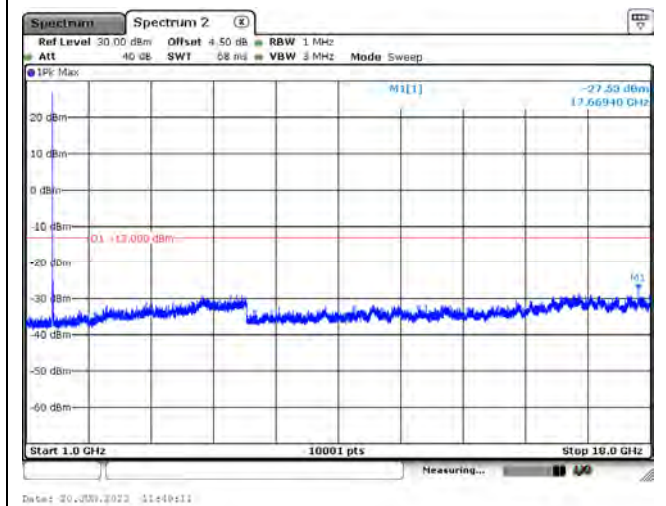
LTE Band 4/66_CH132647_5M_1RB_QPSK_Above 1GHz



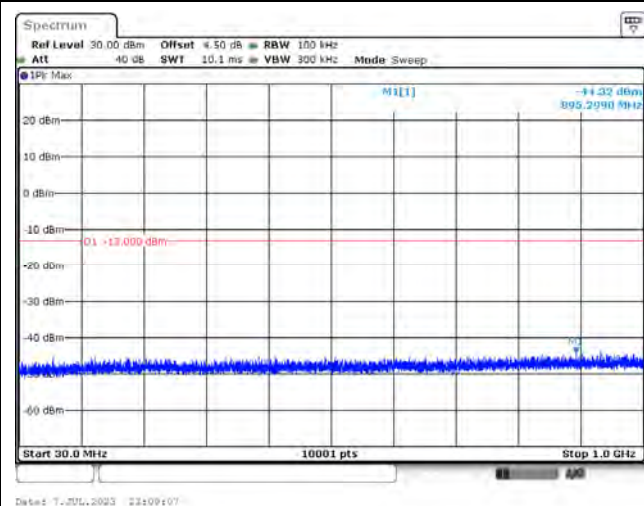
LTE Band 4/66_CH132022_10M_1RB_QPSK_Below 1GHz



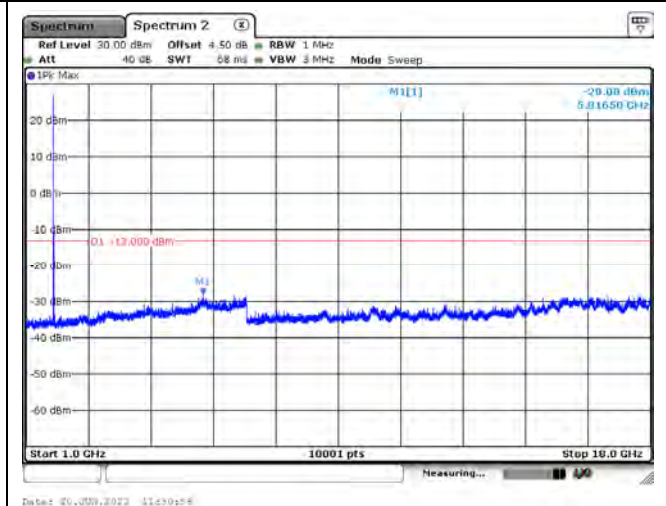
LTE Band 4/66_CH132022_10M_1RB_QPSK_Above 1GHz



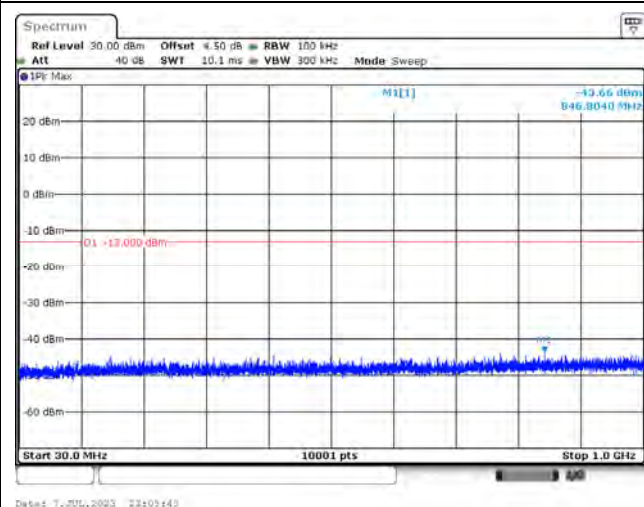
LTE Band 4/66_CH132322_10M_1RB_QPSK_Below 1GHz



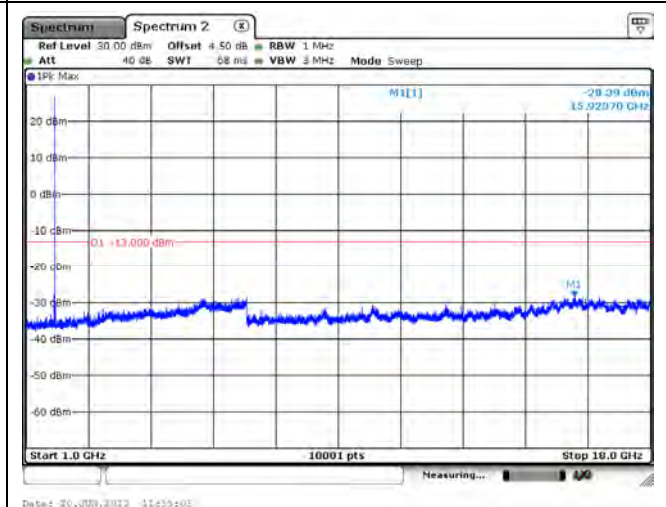
LTE Band 4/66_CH132322_10M_1RB_QPSK_Above 1GHz



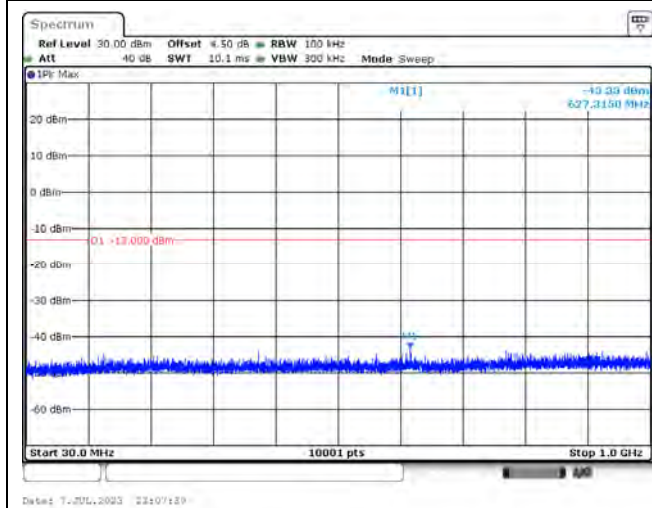
LTE Band 4/66_CH132622_10M_1RB_QPSK_Below 1GHz



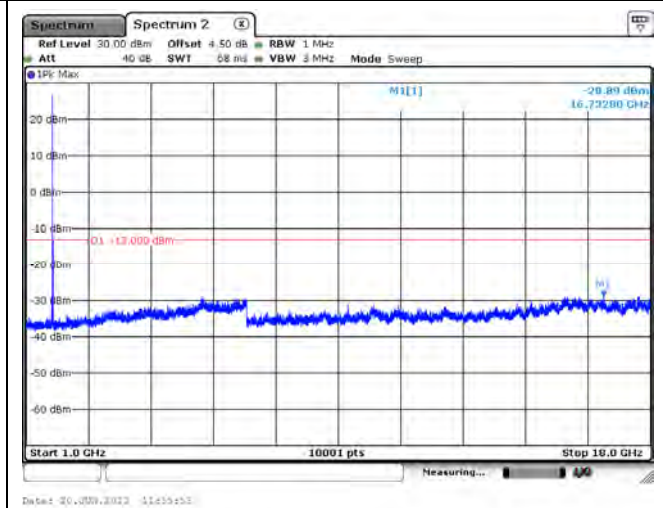
LTE Band 4/66_CH132622_10M_1RB_QPSK_Above 1GHz



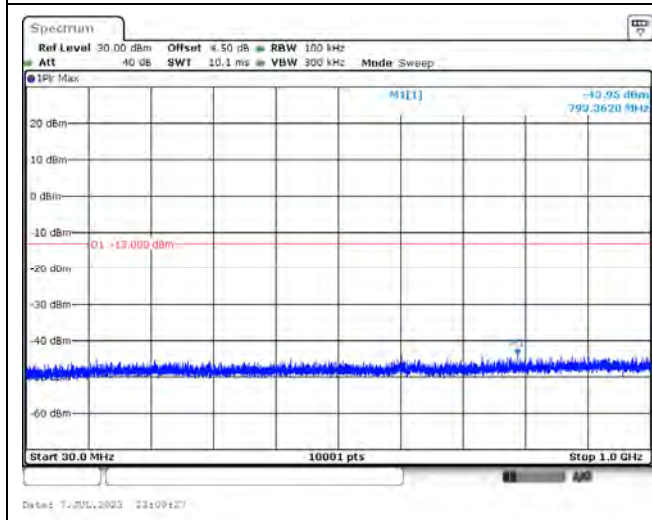
LTE Band 4/66_CH132047_15M_1RB0_QPSK_Below 1GHz



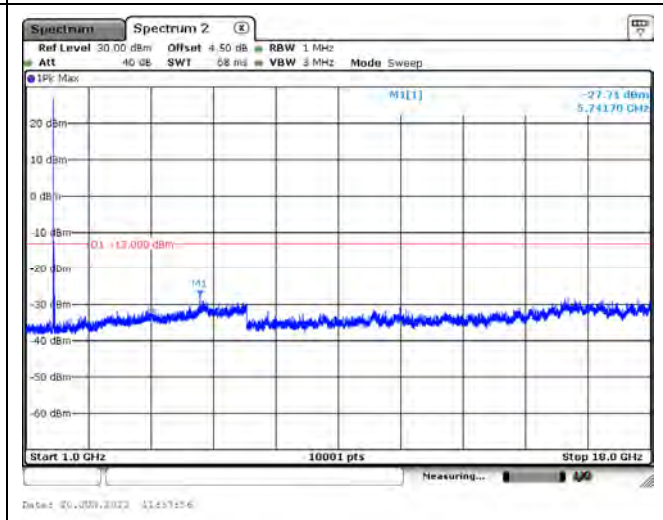
LTE Band 4/66_CH132047_15M_1RB_QPSK_Above 1GHz



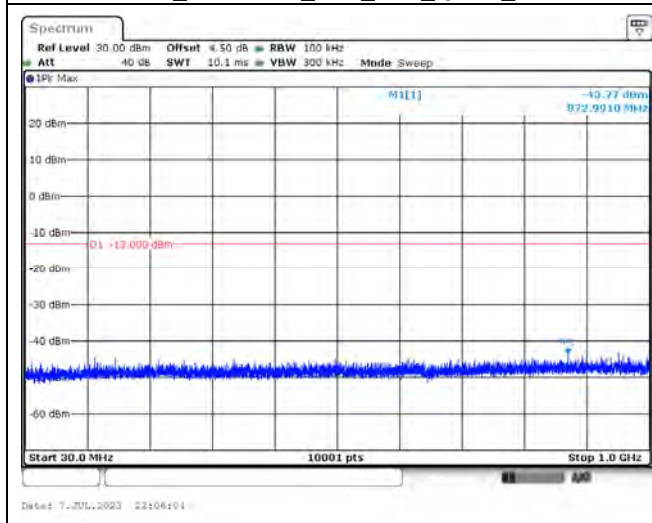
LTE Band 4/66_CH132322_15M_1RB_QPSK_Below 1GHz



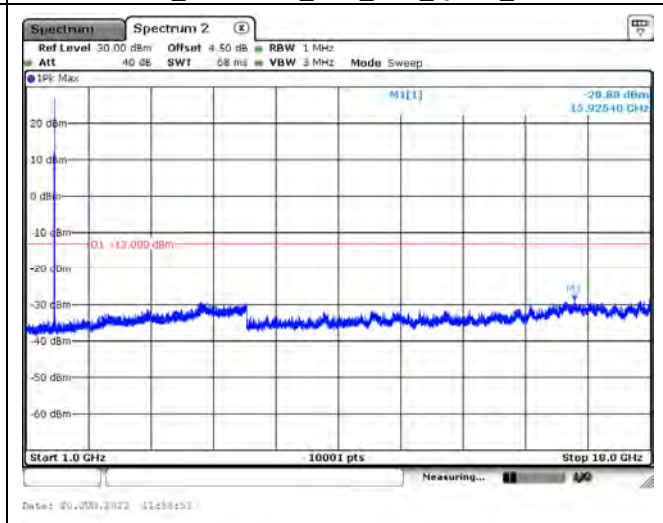
LTE Band 4/66_CH132322_15M_1RB_QPSK_Above 1GHz



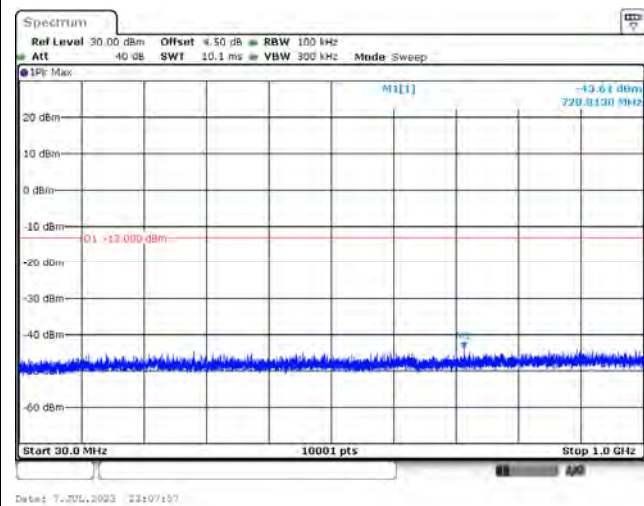
LTE Band 4/66_CH132597_15M_1RB_QPSK_Below 1GHz



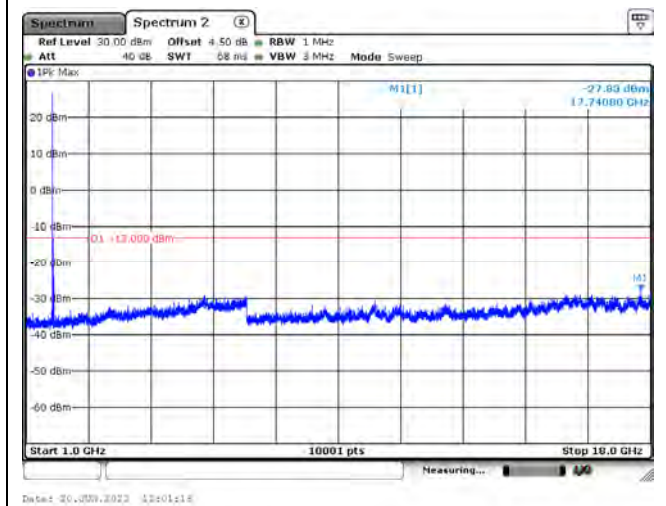
LTE Band 4/66_CH132597_15M_1RB_QPSK_Above 1GHz



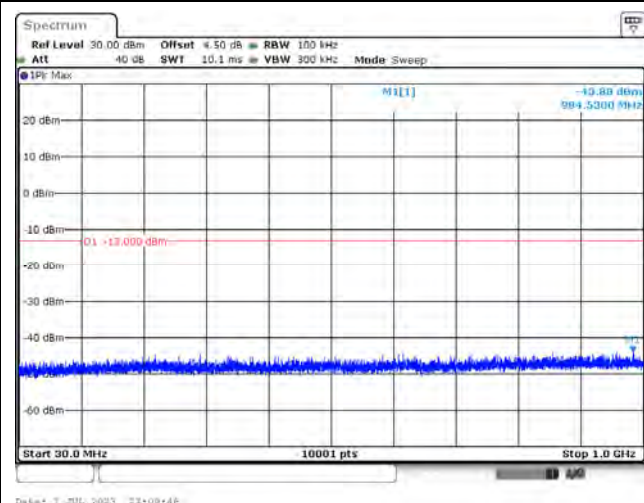
LTE Band 4/66_CH132072_20M_1RB_QPSK_Below 1GHz



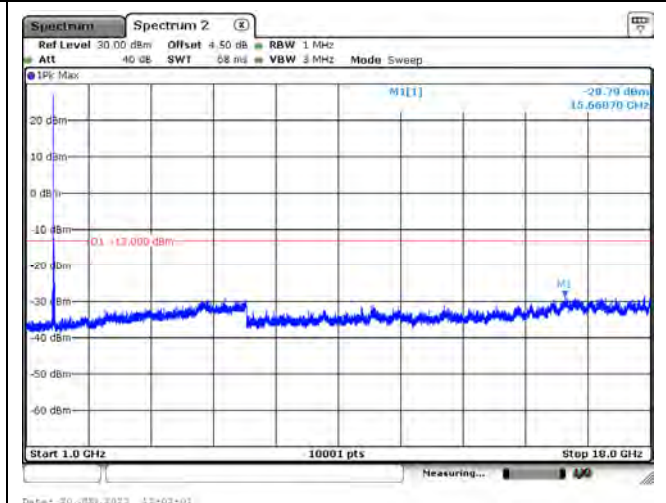
LTE Band 4/66_CH132072_20M_1RB_QPSK_Above 1GHz



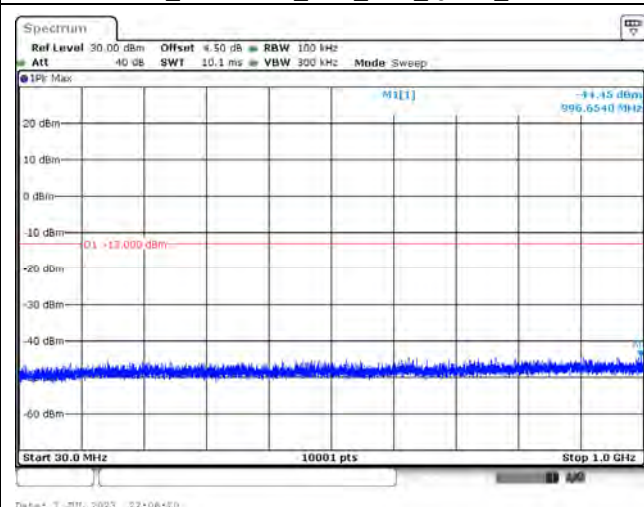
LTE Band 4/66_CH132322_20M_1RB_QPSK_Below 1GHz



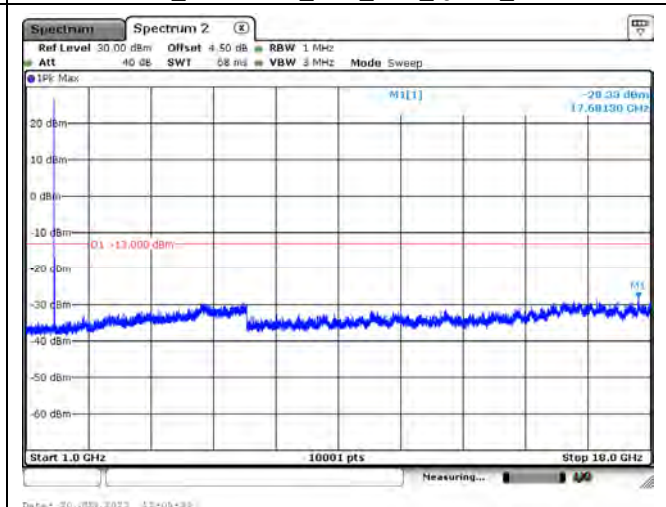
LTE Band 4/66_CH132322_20M_1RB_QPSK_Above 1GHz



LTE Band 4/66_CH132572_20M_1RB_QPSK_Below 1GHz

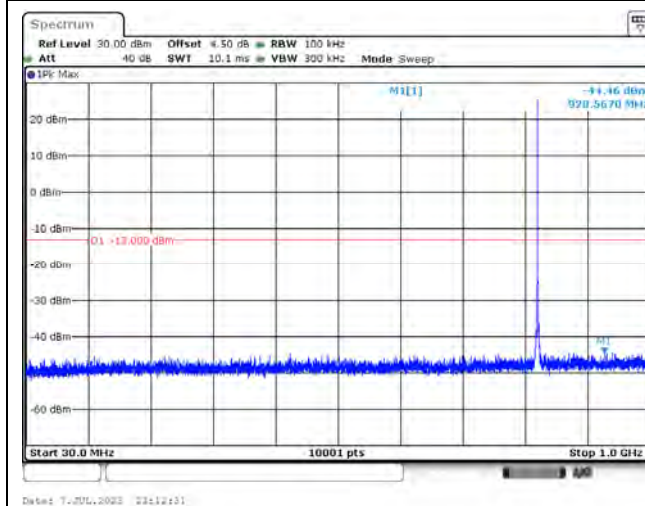


LTE Band 4/66_CH132572_20M_1RB_QPSK_Above 1GHz

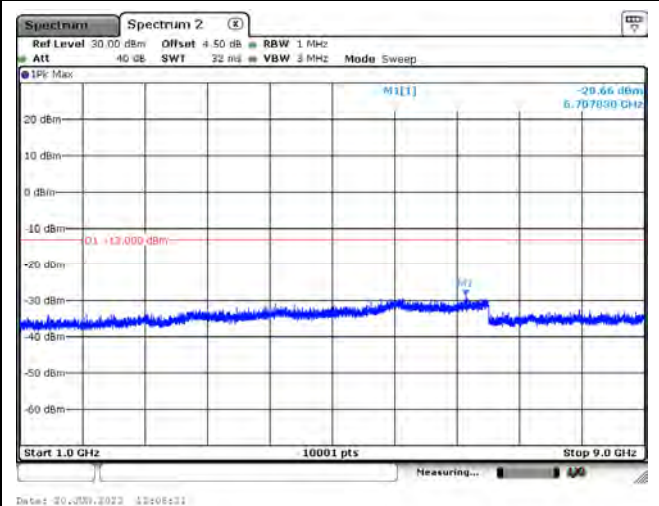


Mode 3: LTE Band 5 (Part 22)

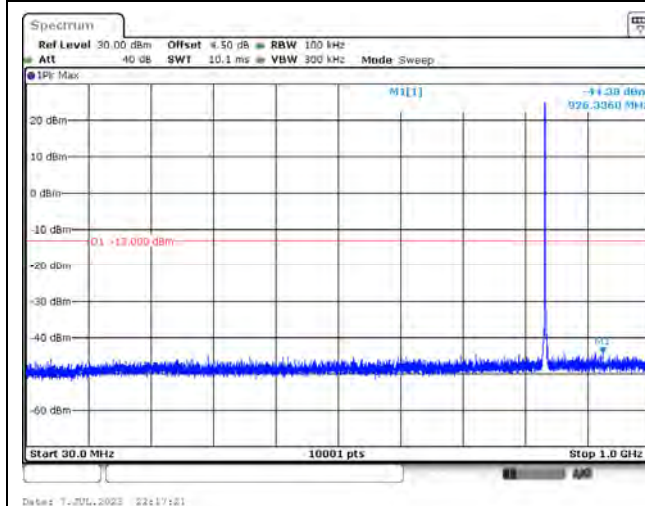
LTE Band 5_CH20407_1.4M_1RB0_QPSK_Below 1GHz



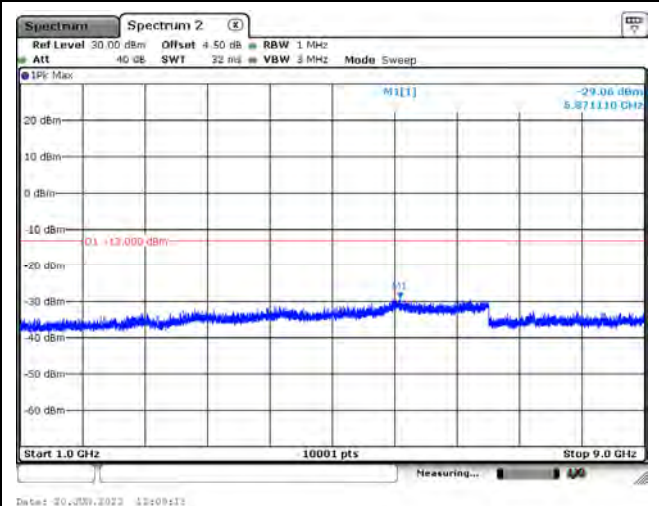
LTE Band 5_CH20407_1.4M_1RB0_QPSK_Above 1GHz



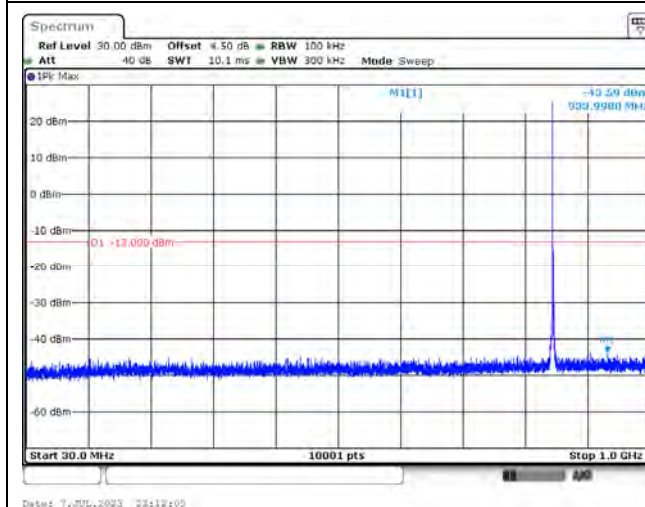
LTE Band 5_CH20525_1.4M_1RB0_QPSK_Below 1GHz



LTE Band 5_CH20525_1.4M_1RB0_QPSK_Above 1GHz



LTE Band 5_CH20643_1.4M_1RB0_QPSK_Below 1GHz



LTE Band 5_CH20643_1.4M_1RB0_QPSK_Above 1GHz

