



Test Report No:
2350343R-RFUSV22S-A

TEST REPORT FCC Rules&Regulations

Product Name	LTE MODULE
Brand Name	WNC
Model No.	M14Q6
FCC ID	NKRM14Q6
Applicant's Name / Address	Wistron NeWeb Corporation 20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan
Manufacturer's Name / Address	Wistron NeWeb Corporation 20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan
Test Method Requested, Standard	FCC CFR Title 47 Part 22 Subpart H FCC CFR Title 47 Part 24 Subpart E FCC CFR Title 47 Part 27 Subpart F, Subpart L FCC CFR Title 47 Part 90 Subpart R ANSI/TIA-603-E-2016 ANSI C63.26-2015
Verdict Summary	IN COMPLIANCE
Documented By	<i>Hailey Peng</i> Hailey Peng
Approved By	<i>Rueyyan Lin</i> Rueyyan Lin
Date of Receipt	May 12, 2023
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Competences and Guarantees

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

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

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

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

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

General Conditions

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

Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	Jan. 19, 2024

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	PASS	-
		4	§2.1033 §2.1046 §27.50	< 1 Watts	PASS	-
		5	§2.1033 §2.1046 §22.913	< 7 Watts ERP	PASS	-
		12, 13	§2.1033 §2.1046 §27.50	< 3 Watts ERP	PASS	-
		14	§2.1033 §2.1046 §90.542	< 3 Watts ERP	PASS	-
4	Occupied Bandwidth	2, 4, 5, 12, 13, 14	§2.1049	N/A	PASS	-
5	Peak to Average Power Ratio	2,	§24.232	\leq 13 dB	PASS	-
		4, 12, 13, 14	§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, 12	§27.53	< -13 dBm	PASS	-
		5	§22.917	< -13 dBm	PASS	-
		13	§27.53	< -13 dBm < -70 dBW/MHz e.i.r.p. of all emissions, including harmonics in the band 1559-1610 MHz	PASS	-
		14	§90.543	< -13dBm < -70 dBW/MHz e.i.r.p. of all emissions, including harmonics in the band 1559-1610 MHz	PASS	-
7	Conducted Band Edge	2	§24.238	< -13 dBm	PASS	-
		4, 12	§2.1053 §27.53	< -13 dBm	PASS	-
		5	§2.1053 §22.917	< -13 dBm	PASS	-
		13	§2.1053 §27.53	< -13 dBm < -35 dBm (763-775 MHz & 793-805 MHz)	PASS	-
		14	§2.1053 §90.543	< -35dBm < -35 dBm (769-775 MHz & 799-805 MHz)	PASS	-
8	Frequency Stability	2	§2.1055 §24.235	\pm 2.5 ppm	PASS	-
		4, 12, 13	§2.1055 §27.54	\pm 2.5 ppm	PASS	-
		14	§2.1055 §90.543	\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 12: 699 ~ 716 LTE Band 13: 777 ~ 787 LTE Band 14: 788 ~ 798
Downlink Frequency Range (MHz)	LTE Band 2: 1930 ~ 1990 LTE Band 4: 2110 ~ 2115 LTE Band 5: 869 ~ 894 LTE Band 12: 729 ~ 746 LTE Band 13: 746 ~ 756 LTE Band 14: 758 ~ 768
Bandwidth (MHz)	LTE Band 2: 1.4 / 3 / 5 / 10 / 15 / 20 LTE Band 4: 1.4 / 3 / 5 / 10 / 15 / 20 LTE Band 5: 1.4 / 3 / 5 / 10 LTE Band 12: 1.4 / 3 / 5 / 10 LTE Band 13: 5 / 10 LTE Band 14: 5 / 10
Type of Modulation	QPSK / 16QAM
Hardware Version	HW2
Software Version	v05.15
IMEI No.	015864000615843

The modulation of 16QAM only supports to maximum 27RB.

Antenna Information									
Ant.	Brand Name	Model No.	Type	Gain (dBi)					
				LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 12	LTE Band 13	LTE Band 14
0	MAG. LAYERS	EDA-2010-6G0R2-A3	Dipole	2.72	2.72	2.55	2.55	2.55	2.55
1	MAG. LAYERS	EDA-2010-6G0R2-A3	Dipole	2.72	2.72	2.55	2.55	2.55	2.55

1.2. EUT Information

EUT Power Type	From host system
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1.3. Testing Applied Standards

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

- FCC CFR Title 47 Part 22 Subpart H
- FCC CFR Title 47 Part 24 Subpart E
- FCC CFR Title 47 Part 27 Subpart F, Subpart L
- FCC CFR Title 47 Part 90 Subpart R
- 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	22~25 / 57~65	2023/05/22~2023/06/14
Radiated Emission	HC-CB04	Cyril Chen	23 / 61	2023/06/14

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
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
Signal & Spectrum Analyzer	R&S	FSV40	101869	10Hz-40GHz	2022/07/13	2023/07/12
Wireless Conn. Tester	R&S	CMW500	157118	Cat.M1&NB-IOT	2022/07/11	2023/07/10
Temperature & Humidity Test Chamber	KSON	THS-B4T-150	A0401	-40°C~+150°C/10%-98%R.H ; 114x93x162cm	2022/12/07	2023/12/06

HC-CB04

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101435	10 Hz-40 GHz	2022/09/29	2023/09/28
Trilog Broadband Antenna	Schwarzbeck	VULB 9168	1209	30 MHz-2 GHz	2023/06/13	2024/06/12
Double Ridged Horn Antenna	RF SPIN	DRH18-E	211212A18EN	1G-18GHz	2022/11/15	2023/11/14
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
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)	Suhnerr,Rosnol	SF102_Rosnol	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 3.8V

2.2. The Worst Case Measurement Configuration

Test Mode	Mode 1: LTE Band 2 Mode 2: LTE Band 4 Mode 3: LTE Band 5 Mode 4: LTE Band 12 Mode 5: LTE Band 13 Mode 6: LTE Band 14
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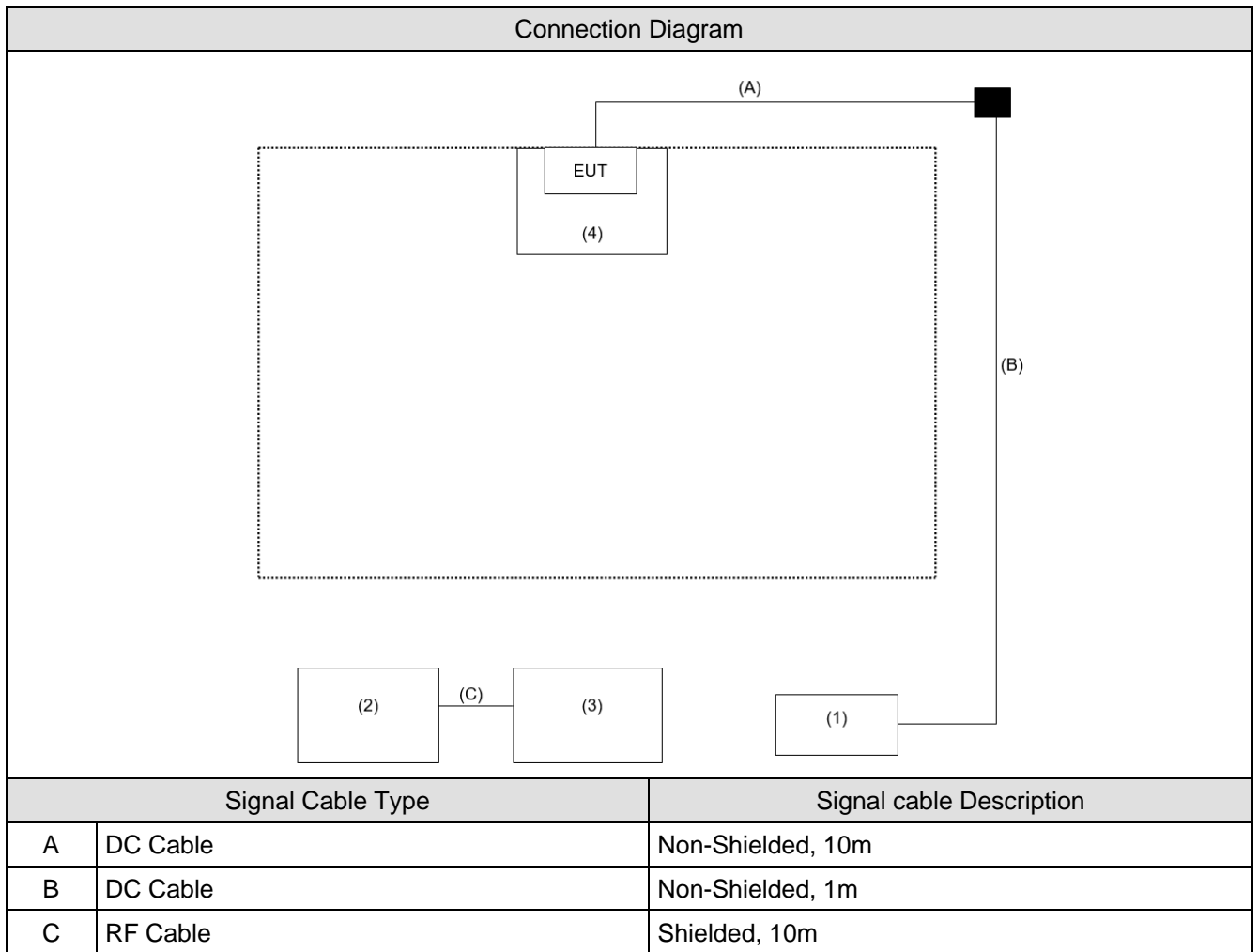
Note:

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".

2.3. Tested System Details

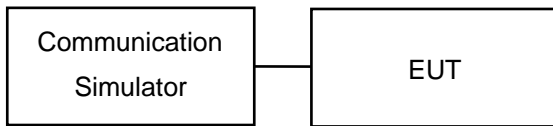
No.	Equipment	Brand Name	Model No.	Serial No.
1	Power Supply	Topward	6303D	8095908
2	Base Station	R&S	CMW500	157118
3	Horn Antenna	Schwarzbeck	BBHA 9120D	1640
4	HDK Board (Fixture)	WNC	M14Q6HDK	N/A

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:

$$\text{ERP or EIRP} = P_{\text{Meas}} + G_{\text{T}} - L_{\text{C}}$$

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);

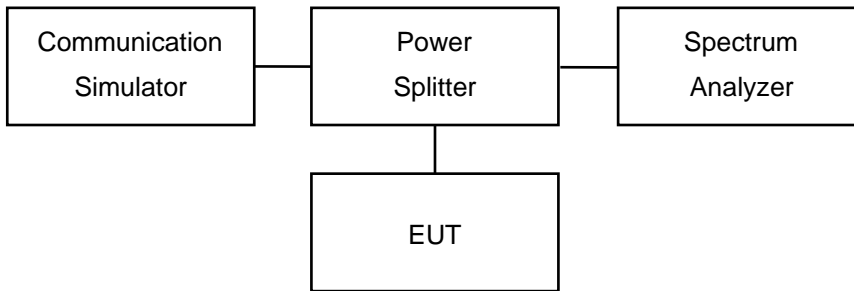
L_{C} = signal attenuation in the connecting cable between the transmitter and antenna, in dB

3.3. Test Result of RF Output Power

Refer as Appendix A

4. Occupied Bandwidth

4.1. Test Setup



4.2. Test Procedures

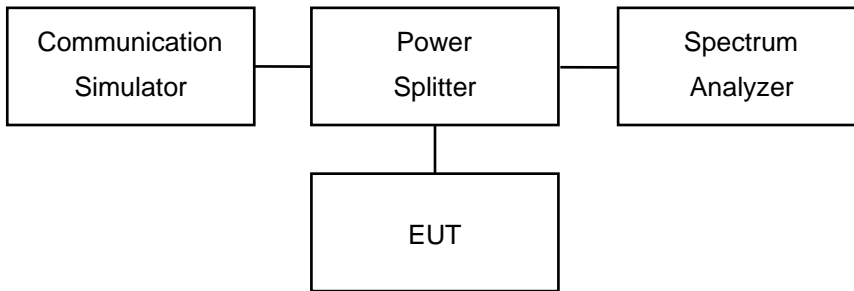
The EUT makes a call to the communication simulator. The 26dB bandwidth and 99% occupied bandwidth measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific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

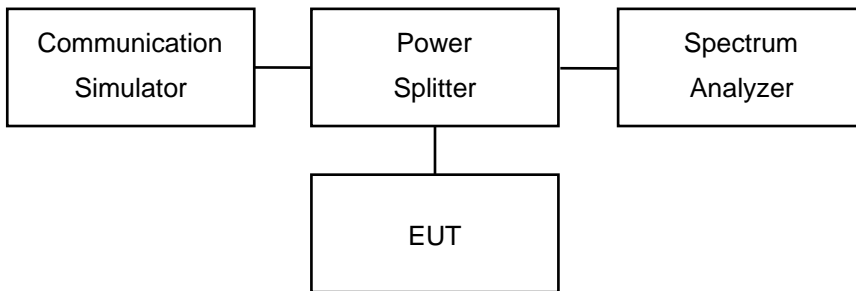
5.3. Test Result of Peak to Average Power Ratio

Refer as Appendix C

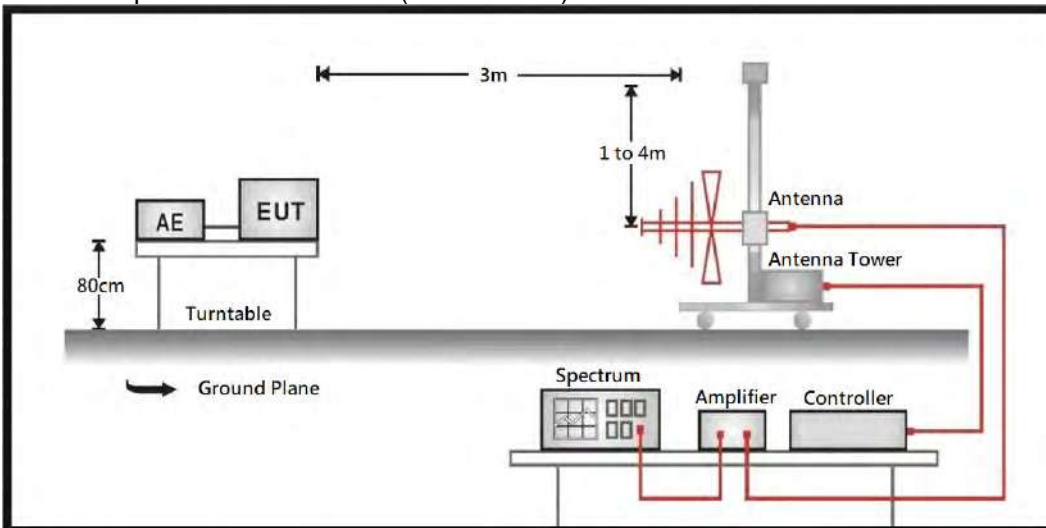
6. Spurious Emission

6.1. Test Setup

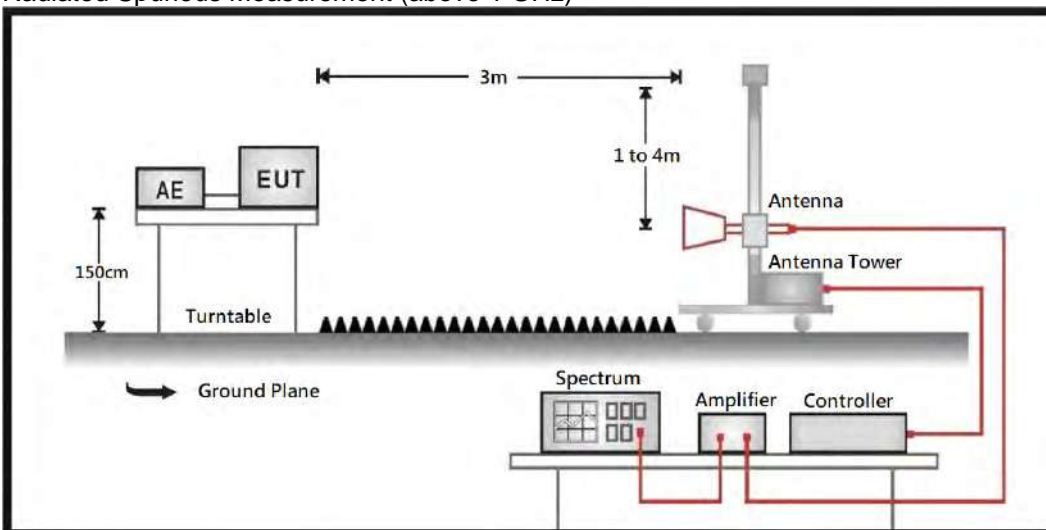
Conducted Spurious Measurement



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:

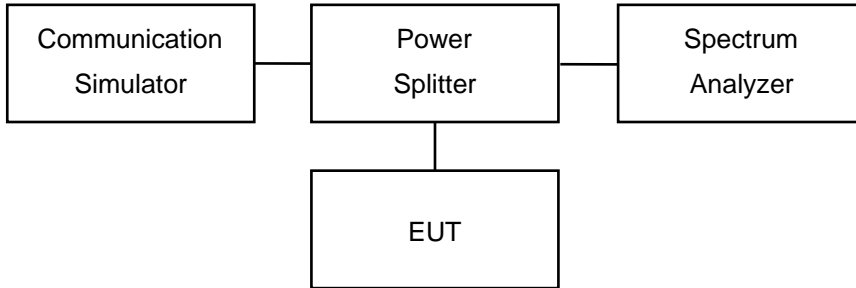
The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission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

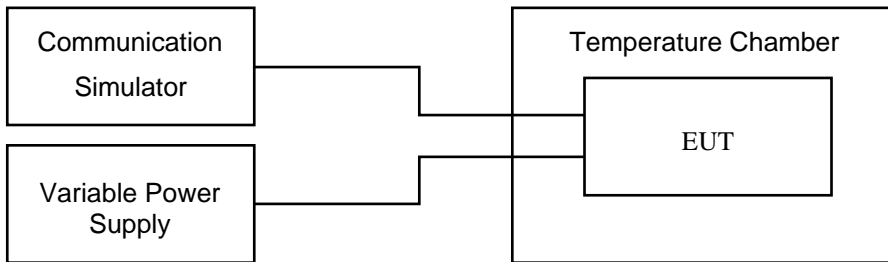
1. The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. The path loss was compensated to the results for each measurement.
2. In the 1MHz bands immediately 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	23.29	0.399	2
1.4	18607	1850.7	1	2	23.56	0.425	2
1.4	18607	1850.7	1	5	23.14	0.385	2
1.4	18607	1850.7	6	0	22.29	0.317	2
1.4	18900	1880	1	0	23.63	0.432	2
1.4	18900	1880	1	2	22.89	0.364	2
1.4	18900	1880	1	5	23.53	0.422	2
1.4	18900	1880	6	0	22.47	0.330	2
1.4	19193	1909.3	1	0	23.47	0.416	2
1.4	19193	1909.3	1	2	23.37	0.406	2
1.4	19193	1909.3	1	5	23.50	0.419	2
1.4	19193	1909.3	6	0	22.30	0.318	2
3	18615	1851.5	1	0	22.95	0.369	2
3	18615	1851.5	1	7	22.80	0.356	2
3	18615	1851.5	1	14	22.81	0.357	2
3	18615	1851.5	15	0	22.36	0.322	2
3	18900	1880	1	0	22.75	0.352	2
3	18900	1880	1	7	23.08	0.380	2
3	18900	1880	1	14	22.91	0.366	2
3	18900	1880	15	0	22.23	0.313	2
3	19185	1908.5	1	0	22.81	0.357	2
3	19185	1908.5	1	7	22.91	0.366	2
3	19185	1908.5	1	14	22.97	0.371	2
3	19185	1908.5	15	0	22.21	0.311	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	22.95	0.369	2
5	18625	1852.5	1	12	22.92	0.366	2
5	18625	1852.5	1	24	22.90	0.365	2
5	18625	1852.5	25	0	22.40	0.325	2
5	18900	1880	1	0	23.04	0.377	2
5	18900	1880	1	12	22.96	0.370	2
5	18900	1880	1	24	22.92	0.366	2
5	18900	1880	25	0	22.26	0.315	2
5	19175	1907.5	1	0	22.98	0.372	2
5	19175	1907.5	1	12	23.04	0.377	2
5	19175	1907.5	1	24	22.88	0.363	2
5	19175	1907.5	25	0	22.20	0.310	2
10	18650	1855	1	0	22.85	0.361	2
10	18650	1855	1	24	23.05	0.378	2
10	18650	1855	1	49	22.74	0.352	2
10	18650	1855	50	0	22.42	0.327	2
10	18900	1880	1	0	22.77	0.354	2
10	18900	1880	1	24	22.74	0.352	2
10	18900	1880	1	49	22.90	0.365	2
10	18900	1880	50	0	22.29	0.317	2
10	19150	1905	1	0	22.90	0.365	2
10	19150	1905	1	24	22.73	0.351	2
10	19150	1905	1	49	22.84	0.360	2
10	19150	1905	50	0	22.27	0.316	2

Note:

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

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

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	22.88	0.363	2
15	18675	1857.5	1	37	22.92	0.366	2
15	18675	1857.5	1	74	23.06	0.378	2
15	18675	1857.5	75	0	22.22	0.312	2
15	18900	1880	1	0	22.79	0.356	2
15	18900	1880	1	37	22.89	0.364	2
15	18900	1880	1	74	22.79	0.356	2
15	18900	1880	75	0	22.38	0.324	2
15	19125	1902.5	1	0	22.83	0.359	2
15	19125	1902.5	1	37	22.83	0.359	2
15	19125	1902.5	1	74	23.02	0.375	2
15	19125	1902.5	75	0	22.39	0.324	2
20	18700	1860	1	0	22.93	0.367	2
20	18700	1860	1	49	23.04	0.377	2
20	18700	1860	1	99	22.83	0.359	2
20	18700	1860	100	0	22.26	0.315	2
20	18900	1880	1	0	23.09	0.381	2
20	18900	1880	1	49	23.67	0.436	2
20	18900	1880	1	99	23.02	0.375	2
20	18900	1880	100	0	22.47	0.330	2
20	19100	1900	1	0	22.81	0.357	2
20	19100	1900	1	49	22.91	0.366	2
20	19100	1900	1	99	23.05	0.378	2
20	19100	1900	100	0	22.29	0.317	2

Note:

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

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

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	22.09	0.303	2
1.4	18607	1850.7	1	2	22.11	0.304	2
1.4	18607	1850.7	1	5	22.04	0.299	2
1.4	18607	1850.7	6	0	21.09	0.240	2
1.4	18900	1880	1	0	22.26	0.315	2
1.4	18900	1880	1	2	22.36	0.322	2
1.4	18900	1880	1	5	22.28	0.316	2
1.4	18900	1880	6	0	21.15	0.244	2
1.4	19193	1909.3	1	0	22.47	0.330	2
1.4	19193	1909.3	1	2	22.27	0.316	2
1.4	19193	1909.3	1	5	22.30	0.318	2
1.4	19193	1909.3	6	0	21.41	0.259	2
3	18615	1851.5	1	0	21.16	0.244	2
3	18615	1851.5	1	7	21.39	0.258	2
3	18615	1851.5	1	14	21.99	0.296	2
3	18615	1851.5	15	0	21.28	0.251	2
3	18900	1880	1	0	21.48	0.263	2
3	18900	1880	1	7	21.23	0.248	2
3	18900	1880	1	14	21.33	0.254	2
3	18900	1880	15	0	21.24	0.249	2
3	19185	1908.5	1	0	22.06	0.301	2
3	19185	1908.5	1	7	21.11	0.242	2
3	19185	1908.5	1	14	21.25	0.249	2
3	19185	1908.5	15	0	21.38	0.257	2

Note:

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

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

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)
5	18625	1852.5	1	0	21.61	0.271	2
5	18625	1852.5	1	12	21.30	0.252	2
5	18625	1852.5	1	24	22.31	0.318	2
5	18625	1852.5	25	0	21.08	0.240	2
5	18900	1880	1	0	21.89	0.289	2
5	18900	1880	1	12	22.01	0.297	2
5	18900	1880	1	24	22.05	0.300	2
5	18900	1880	25	0	21.47	0.262	2
5	19175	1907.5	1	0	21.75	0.280	2
5	19175	1907.5	1	12	21.12	0.242	2
5	19175	1907.5	1	24	22.02	0.298	2
5	19175	1907.5	25	0	21.15	0.244	2
10	18650	1855	1	0	21.15	0.244	2
10	18650	1855	1	13	22.09	0.303	2
10	18650	1855	1	26	21.89	0.289	2
10	18650	1855	27	0	21.26	0.250	2
10	18900	1880	1	0	22.32	0.319	2
10	18900	1880	1	13	21.55	0.267	2
10	18900	1880	1	26	21.75	0.280	2
10	18900	1880	27	0	21.45	0.261	2
10	19150	1905	1	0	21.35	0.255	2
10	19150	1905	1	13	22.14	0.306	2
10	19150	1905	1	26	21.24	0.249	2
10	19150	1905	27	0	21.22	0.248	2

Note:

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

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

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	21.41	0.259	2
15	18675	1857.5	1	13	22.09	0.303	2
15	18675	1857.5	1	26	21.60	0.270	2
15	18675	1857.5	27	0	21.35	0.255	2
15	18900	1880	1	0	21.37	0.256	2
15	18900	1880	1	13	22.32	0.319	2
15	18900	1880	1	26	21.79	0.282	2
15	18900	1880	27	0	21.40	0.258	2
15	19125	1902.5	1	0	22.04	0.299	2
15	19125	1902.5	1	13	21.71	0.277	2
15	19125	1902.5	1	26	21.62	0.272	2
15	19125	1902.5	27	0	21.29	0.252	2
20	18700	1860	1	0	22.03	0.299	2
20	18700	1860	1	13	21.28	0.251	2
20	18700	1860	1	26	22.34	0.321	2
20	18700	1860	27	0	21.18	0.245	2
20	18900	1880	1	0	22.31	0.318	2
20	18900	1880	1	13	22.48	0.331	2
20	18900	1880	1	26	21.47	0.262	2
20	18900	1880	27	0	21.40	0.258	2
20	19100	1900	1	0	22.30	0.318	2
20	19100	1900	1	13	21.31	0.253	2
20	19100	1900	1	26	21.25	0.249	2
20	19100	1900	27	0	21.24	0.249	2

Note:

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

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

Mode 2: LTE Band 4

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	19957	1710.7	1	0	22.93	0.367	1
1.4	19957	1710.7	1	2	23.04	0.377	1
1.4	19957	1710.7	1	5	22.92	0.366	1
1.4	19957	1710.7	6	0	22.01	0.297	1
1.4	20175	1732.5	1	0	23.26	0.396	1
1.4	20175	1732.5	1	2	23.32	0.402	1
1.4	20175	1732.5	1	5	22.96	0.370	1
1.4	20175	1732.5	6	0	22.19	0.310	1
1.4	20393	1754.3	1	0	23.22	0.393	1
1.4	20393	1754.3	1	2	23.33	0.403	1
1.4	20393	1754.3	1	5	22.98	0.372	1
1.4	20393	1754.3	6	0	22.19	0.310	1
3	19965	1711.5	1	0	23.32	0.402	1
3	19965	1711.5	1	7	23.06	0.378	1
3	19965	1711.5	1	14	23.07	0.379	1
3	19965	1711.5	15	0	22.11	0.304	1
3	20175	1732.5	1	0	23.28	0.398	1
3	20175	1732.5	1	7	23.14	0.385	1
3	20175	1732.5	1	14	23.09	0.381	1
3	20175	1732.5	15	0	22.11	0.304	1
3	20385	1753.5	1	0	23.27	0.397	1
3	20385	1753.5	1	7	23.16	0.387	1
3	20385	1753.5	1	14	22.98	0.372	1
3	20385	1753.5	15	0	22.29	0.317	1

Note:

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

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

Mode					Conducted Power	EIRP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	QPSK EIRP(W)	Limit EIRP(W)
5	19975	1712.5	1	0	23.18	0.389	1
5	19975	1712.5	1	12	23.25	0.395	1
5	19975	1712.5	1	24	23.23	0.394	1
5	19975	1712.5	25	0	22.11	0.304	1
5	20175	1732.5	1	0	23.08	0.380	1
5	20175	1732.5	1	12	23.26	0.396	1
5	20175	1732.5	1	24	23.23	0.394	1
5	20175	1732.5	25	0	22.29	0.317	1
5	20375	1752.5	1	0	23.10	0.382	1
5	20375	1752.5	1	12	23.27	0.397	1
5	20375	1752.5	1	24	22.99	0.372	1
5	20375	1752.5	25	0	22.18	0.309	1
10	20000	1715	1	0	23.32	0.402	1
10	20000	1715	1	24	22.95	0.369	1
10	20000	1715	1	49	23.22	0.393	1
10	20000	1715	50	0	22.29	0.317	1
10	20175	1732.5	1	0	23.11	0.383	1
10	20175	1732.5	1	24	23.13	0.385	1
10	20175	1732.5	1	49	22.97	0.371	1
10	20175	1732.5	50	0	22.16	0.308	1
10	20350	1750	1	0	23.13	0.385	1
10	20350	1750	1	24	22.98	0.372	1
10	20350	1750	1	49	22.99	0.372	1
10	20350	1750	50	0	22.12	0.305	1

Note:

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

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

Mode					Conducted Power	EIRP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	QPSK EIRP(W)	Limit EIRP(W)
15	20025	1717.5	1	0	23.21	0.392	1
15	20025	1717.5	1	37	23.19	0.390	1
15	20025	1717.5	1	74	23.14	0.385	1
15	20025	1717.5	75	0	22.28	0.316	1
15	20175	1732.5	1	0	23.28	0.398	1
15	20175	1732.5	1	37	23.18	0.389	1
15	20175	1732.5	1	74	23.01	0.374	1
15	20175	1732.5	75	0	22.13	0.305	1
15	20325	1747.5	1	0	22.98	0.372	1
15	20325	1747.5	1	37	23.25	0.395	1
15	20325	1747.5	1	74	22.99	0.372	1
15	20325	1747.5	75	0	22.15	0.307	1
20	20050	1720	1	0	23.09	0.381	1
20	20050	1720	1	49	23.27	0.397	1
20	20050	1720	1	99	23.15	0.386	1
20	20050	1720	100	0	22.20	0.310	1
20	20175	1732.5	1	0	23.31	0.401	1
20	20175	1732.5	1	49	23.35	0.405	1
20	20175	1732.5	1	99	23.31	0.401	1
20	20175	1732.5	100	0	22.22	0.312	1
20	20300	1745	1	0	22.97	0.371	1
20	20300	1745	1	49	23.15	0.386	1
20	20300	1745	1	99	23.09	0.381	1
20	20300	1745	100	0	22.10	0.303	1

Note:

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

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

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	19957	1710.7	1	0	21.76	0.281	1
1.4	19957	1710.7	1	2	21.84	0.286	1
1.4	19957	1710.7	1	5	21.79	0.282	1
1.4	19957	1710.7	6	0	20.93	0.232	1
1.4	20175	1732.5	1	0	22.03	0.299	1
1.4	20175	1732.5	1	2	22.00	0.296	1
1.4	20175	1732.5	1	5	21.72	0.278	1
1.4	20175	1732.5	6	0	21.17	0.245	1
1.4	20393	1754.3	1	0	21.90	0.290	1
1.4	20393	1754.3	1	2	22.16	0.308	1
1.4	20393	1754.3	1	5	22.11	0.304	1
1.4	20393	1754.3	6	0	20.82	0.226	1
3	19965	1711.5	1	0	22.01	0.297	1
3	19965	1711.5	1	7	21.95	0.293	1
3	19965	1711.5	1	14	21.94	0.292	1
3	19965	1711.5	15	0	20.87	0.229	1
3	20175	1732.5	1	0	21.92	0.291	1
3	20175	1732.5	1	7	21.99	0.296	1
3	20175	1732.5	1	14	22.04	0.299	1
3	20175	1732.5	15	0	20.93	0.232	1
3	20385	1753.5	1	0	21.76	0.281	1
3	20385	1753.5	1	7	21.83	0.285	1
3	20385	1753.5	1	14	21.79	0.282	1
3	20385	1753.5	15	0	20.84	0.227	1

Note:

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

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

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)
5	19975	1712.5	1	0	22.01	0.297	1
5	19975	1712.5	1	12	22.09	0.303	1
5	19975	1712.5	1	24	21.89	0.289	1
5	19975	1712.5	25	0	20.85	0.228	1
5	20175	1732.5	1	0	21.94	0.292	1
5	20175	1732.5	1	12	21.75	0.280	1
5	20175	1732.5	1	24	22.00	0.296	1
5	20175	1732.5	25	0	20.96	0.233	1
5	20375	1752.5	1	0	22.09	0.303	1
5	20375	1752.5	1	12	21.96	0.294	1
5	20375	1752.5	1	24	21.81	0.284	1
5	20375	1752.5	25	0	20.98	0.234	1
10	20000	1715	1	0	22.04	0.299	1
10	20000	1715	1	13	22.07	0.301	1
10	20000	1715	1	26	21.86	0.287	1
10	20000	1715	27	0	20.89	0.230	1
10	20175	1732.5	1	0	22.05	0.300	1
10	20175	1732.5	1	13	22.06	0.301	1
10	20175	1732.5	1	26	21.89	0.289	1
10	20175	1732.5	27	0	20.88	0.229	1
10	20350	1750	1	0	21.77	0.281	1
10	20350	1750	1	13	21.92	0.291	1
10	20350	1750	1	26	21.90	0.290	1
10	20350	1750	27	0	20.90	0.230	1

Note:

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

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

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	20025	1717.5	1	0	21.75	0.280	1
15	20025	1717.5	1	13	21.98	0.295	1
15	20025	1717.5	1	26	22.09	0.303	1
15	20025	1717.5	27	0	20.83	0.226	1
15	20175	1732.5	1	0	22.03	0.299	1
15	20175	1732.5	1	13	21.80	0.283	1
15	20175	1732.5	1	26	21.84	0.286	1
15	20175	1732.5	27	0	20.95	0.233	1
15	20325	1747.5	1	0	21.91	0.290	1
15	20325	1747.5	1	13	21.80	0.283	1
15	20325	1747.5	1	26	21.78	0.282	1
15	20325	1747.5	27	0	20.86	0.228	1
20	20050	1720	1	0	21.89	0.289	1
20	20050	1720	1	13	21.82	0.284	1
20	20050	1720	1	26	21.96	0.294	1
20	20050	1720	27	0	20.81	0.225	1
20	20175	1732.5	1	0	22.04	0.299	1
20	20175	1732.5	1	13	22.25	0.314	1
20	20175	1732.5	1	26	21.75	0.280	1
20	20175	1732.5	27	0	20.82	0.226	1
20	20300	1745	1	0	22.07	0.301	1
20	20300	1745	1	13	21.94	0.292	1
20	20300	1745	1	26	21.82	0.284	1
20	20300	1745	27	0	20.88	0.229	1

Note:

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

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

Mode 3: LTE Band 5

Mode					Conducted Power	ERP 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	23.86	0.267	7
1.4	20407	824.7	1	2	23.87	0.267	7
1.4	20407	824.7	1	5	23.74	0.259	7
1.4	20407	824.7	6	0	22.79	0.208	7
1.4	20525	836.5	1	0	23.61	0.252	7
1.4	20525	836.5	1	2	23.73	0.259	7
1.4	20525	836.5	1	5	23.69	0.256	7
1.4	20525	836.5	6	0	22.77	0.207	7
1.4	20643	848.3	1	0	23.73	0.259	7
1.4	20643	848.3	1	2	23.81	0.264	7
1.4	20643	848.3	1	5	23.68	0.256	7
1.4	20643	848.3	6	0	22.81	0.209	7
3	20415	825.5	1	0	23.72	0.258	7
3	20415	825.5	1	7	23.72	0.258	7
3	20415	825.5	1	14	23.70	0.257	7
3	20415	825.5	15	0	22.78	0.208	7
3	20525	836.5	1	0	23.74	0.259	7
3	20525	836.5	1	7	23.70	0.257	7
3	20525	836.5	1	14	23.74	0.259	7
3	20525	836.5	15	0	22.79	0.208	7
3	20635	847.5	1	0	23.85	0.266	7
3	20635	847.5	1	7	23.77	0.261	7
3	20635	847.5	1	14	23.78	0.262	7
3	20635	847.5	15	0	22.76	0.207	7

Note:

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

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

Mode					Conducted Power	ERP 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	23.68	0.256	7
5	20425	825.6	1	12	23.87	0.267	7
5	20425	825.6	1	24	23.78	0.262	7
5	20425	825.6	25	0	22.82	0.210	7
5	20525	836.5	1	0	23.84	0.265	7
5	20525	836.5	1	12	23.85	0.266	7
5	20525	836.5	1	24	23.73	0.259	7
5	20525	836.5	25	0	22.77	0.207	7
5	20625	846.5	1	0	23.73	0.259	7
5	20625	846.5	1	12	23.87	0.267	7
5	20625	846.5	1	24	23.74	0.259	7
5	20625	846.5	25	0	22.80	0.209	7
10	20450	829	1	0	23.74	0.259	7
10	20450	829	1	24	23.75	0.260	7
10	20450	829	1	49	23.69	0.256	7
10	20450	829	50	0	22.76	0.207	7
10	20525	836.5	1	0	23.74	0.259	7
10	20525	836.5	1	24	23.88	0.268	7
10	20525	836.5	1	49	23.79	0.262	7
10	20525	836.5	50	0	22.76	0.207	7
10	20600	844	1	0	23.85	0.266	7
10	20600	844	1	24	23.68	0.256	7
10	20600	844	1	49	23.76	0.261	7
10	20600	844	50	0	22.82	0.210	7

Note:

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

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

Mode					Conducted Power	ERP 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	22.49	0.195	7
1.4	20407	824.7	1	2	22.71	0.205	7
1.4	20407	824.7	1	5	22.46	0.193	7
1.4	20407	824.7	6	0	21.69	0.162	7
1.4	20525	836.5	1	0	22.60	0.200	7
1.4	20525	836.5	1	2	22.60	0.200	7
1.4	20525	836.5	1	5	22.49	0.195	7
1.4	20525	836.5	6	0	21.48	0.154	7
1.4	20643	848.3	1	0	22.92	0.215	7
1.4	20643	848.3	1	2	22.96	0.217	7
1.4	20643	848.3	1	5	22.96	0.217	7
1.4	20643	848.3	6	0	21.93	0.171	7
3	20415	825.5	1	0	22.91	0.214	7
3	20415	825.5	1	7	22.86	0.212	7
3	20415	825.5	1	14	22.66	0.202	7
3	20415	825.5	15	0	21.77	0.165	7
3	20525	836.5	1	0	22.69	0.204	7
3	20525	836.5	1	7	22.91	0.214	7
3	20525	836.5	1	14	22.96	0.217	7
3	20525	836.5	15	0	21.81	0.166	7
3	20635	847.5	1	0	22.66	0.202	7
3	20635	847.5	1	7	22.76	0.207	7
3	20635	847.5	1	14	22.66	0.202	7
3	20635	847.5	15	0	21.93	0.171	7

Note:

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

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

Mode					Conducted Power	ERP 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	22.80	0.209	7
5	20425	825.6	1	12	22.65	0.202	7
5	20425	825.6	1	24	22.94	0.216	7
5	20425	825.6	25	0	21.68	0.161	7
5	20525	836.5	1	0	22.82	0.210	7
5	20525	836.5	1	12	22.76	0.207	7
5	20525	836.5	1	24	22.75	0.207	7
5	20525	836.5	25	0	21.87	0.169	7
5	20625	846.5	1	0	22.77	0.207	7
5	20625	846.5	1	12	22.91	0.214	7
5	20625	846.5	1	24	22.86	0.212	7
5	20625	846.5	25	0	21.66	0.161	7
10	20450	829	1	0	22.90	0.214	7
10	20450	829	1	13	22.67	0.203	7
10	20450	829	1	26	22.84	0.211	7
10	20450	829	27	0	21.57	0.157	7
10	20525	836.5	1	0	22.78	0.208	7
10	20525	836.5	1	13	23.10	0.224	7
10	20525	836.5	1	26	22.84	0.211	7
10	20525	836.5	27	0	21.48	0.154	7
10	20600	844	1	0	22.75	0.207	7
10	20600	844	1	13	22.84	0.211	7
10	20600	844	1	26	23.00	0.219	7
10	20600	844	27	0	21.62	0.159	7

Note:

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

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

Mode 4: LTE Band 12

Mode					Conducted Power	ERP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	QPSK ERP(W)	Limit ERP(W)
1.4	23017	699.7	1	0	23.67	0.255	3
1.4	23017	699.7	1	2	23.70	0.257	3
1.4	23017	699.7	1	5	23.62	0.252	3
1.4	23017	699.7	6	0	22.45	0.193	3
1.4	23095	707.5	1	0	23.34	0.237	3
1.4	23095	707.5	1	2	23.39	0.239	3
1.4	23095	707.5	1	5	23.44	0.242	3
1.4	23095	707.5	6	0	22.55	0.197	3
1.4	23173	715.3	1	0	23.60	0.251	3
1.4	23173	715.3	1	2	23.87	0.267	3
1.4	23173	715.3	1	5	23.77	0.261	3
1.4	23173	715.3	6	0	22.59	0.199	3
3	23025	700.5	1	0	23.65	0.254	3
3	23025	700.5	1	7	23.64	0.254	3
3	23025	700.5	1	14	23.73	0.259	3
3	23025	700.5	15	0	22.54	0.197	3
3	23095	707.5	1	0	23.60	0.251	3
3	23095	707.5	1	7	23.62	0.252	3
3	23095	707.5	1	14	23.64	0.254	3
3	23095	707.5	15	0	22.45	0.193	3
3	23165	714.5	1	0	23.86	0.267	3
3	23165	714.5	1	7	23.69	0.256	3
3	23165	714.5	1	14	23.78	0.262	3
3	23165	714.5	15	0	22.56	0.198	3

Note:

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

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

Mode					Conducted Power	ERP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	QPSK ERP(W)	Limit ERP(W)
5	23035	701.5	1	0	23.72	0.258	3
5	23035	701.5	1	12	23.79	0.262	3
5	23035	701.5	1	24	23.82	0.264	3
5	23035	701.5	25	0	22.44	0.192	3
5	23095	707.5	1	0	23.64	0.254	3
5	23095	707.5	1	12	23.77	0.261	3
5	23095	707.5	1	24	23.78	0.262	3
5	23095	707.5	25	0	22.41	0.191	3
5	23155	713.5	1	0	23.85	0.266	3
5	23155	713.5	1	12	23.60	0.251	3
5	23155	713.5	1	24	23.61	0.252	3
5	23155	713.5	25	0	22.50	0.195	3
10	23060	704	1	0	23.66	0.255	3
10	23060	704	1	24	23.60	0.251	3
10	23060	704	1	49	23.77	0.261	3
10	23060	704	50	0	22.41	0.191	3
10	23095	707.5	1	0	23.61	0.252	3
10	23095	707.5	1	24	23.88	0.268	3
10	23095	707.5	1	49	23.87	0.267	3
10	23095	707.5	50	0	22.60	0.200	3
10	23130	711	1	0	23.61	0.252	3
10	23130	711	1	24	23.79	0.262	3
10	23130	711	1	49	23.63	0.253	3
10	23130	711	50	0	22.53	0.196	3

Note:

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

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

Mode					Conducted Power	ERP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	16-QAM (dBm)	16-QAM ERP(W)	Limit ERP(W)
1.4	23017	699.7	1	0	22.39	0.190	3
1.4	23017	699.7	1	2	22.45	0.193	3
1.4	23017	699.7	1	5	22.34	0.188	3
1.4	23017	699.7	6	0	21.27	0.147	3
1.4	23095	707.5	1	0	22.95	0.216	3
1.4	23095	707.5	1	2	23.10	0.224	3
1.4	23095	707.5	1	5	23.11	0.224	3
1.4	23095	707.5	6	0	21.69	0.162	3
1.4	23173	715.3	1	0	22.37	0.189	3
1.4	23173	715.3	1	2	22.64	0.201	3
1.4	23173	715.3	1	5	22.29	0.186	3
1.4	23173	715.3	6	0	21.77	0.165	3
3	23025	700.5	1	0	22.67	0.203	3
3	23025	700.5	1	7	22.80	0.209	3
3	23025	700.5	1	14	23.04	0.221	3
3	23025	700.5	15	0	21.45	0.153	3
3	23095	707.5	1	0	22.70	0.204	3
3	23095	707.5	1	7	22.85	0.211	3
3	23095	707.5	1	14	22.41	0.191	3
3	23095	707.5	15	0	21.66	0.161	3
3	23165	714.5	1	0	23.10	0.224	3
3	23165	714.5	1	7	22.72	0.205	3
3	23165	714.5	1	14	22.55	0.197	3
3	23165	714.5	15	0	21.63	0.160	3

Note:

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

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

Mode					Conducted Power	ERP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	16-QAM (dBm)	16-QAM ERP(W)	Limit ERP(W)
5	23035	701.5	1	0	22.96	0.217	3
5	23035	701.5	1	12	22.65	0.202	3
5	23035	701.5	1	24	22.81	0.209	3
5	23035	701.5	25	0	21.41	0.152	3
5	23095	707.5	1	0	22.39	0.190	3
5	23095	707.5	1	12	22.83	0.210	3
5	23095	707.5	1	24	22.98	0.218	3
5	23095	707.5	25	0	21.43	0.152	3
5	23155	713.5	1	0	22.85	0.211	3
5	23155	713.5	1	12	22.81	0.209	3
5	23155	713.5	1	24	22.90	0.214	3
5	23155	713.5	25	0	21.38	0.151	3
10	23060	704	1	0	23.01	0.219	3
10	23060	704	1	13	22.44	0.192	3
10	23060	704	1	26	23.06	0.222	3
10	23060	704	27	0	21.63	0.160	3
10	23095	707.5	1	0	22.52	0.196	3
10	23095	707.5	1	13	23.30	0.234	3
10	23095	707.5	1	26	22.48	0.194	3
10	23095	707.5	27	0	21.36	0.150	3
10	23130	711	1	0	22.76	0.207	3
10	23130	711	1	13	22.49	0.195	3
10	23130	711	1	26	22.56	0.198	3
10	23130	711	27	0	21.50	0.155	3

Note:

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

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

Mode 5: LTE Band 13

Mode					Conducted Power	ERP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	QPSK ERP(W)	Limit ERP(W)
5	23205	779.5	1	0	23.49	0.245	3
5	23205	779.5	1	12	23.57	0.249	3
5	23205	779.5	1	24	23.44	0.242	3
5	23205	779.5	25	0	22.67	0.203	3
5	23230	782	1	0	23.49	0.245	3
5	23230	782	1	12	23.69	0.256	3
5	23230	782	1	24	23.54	0.248	3
5	23230	782	25	0	22.64	0.201	3
5	23255	784.5	1	0	23.52	0.247	3
5	23255	784.5	1	12	23.58	0.250	3
5	23255	784.5	1	24	23.50	0.245	3
5	23255	784.5	25	0	22.58	0.199	3
10	23230	782	1	0	23.54	0.248	3
10	23230	782	1	24	23.92	0.270	3
10	23230	782	1	49	23.42	0.241	3
10	23230	782	50	0	22.72	0.205	3

Note:

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

Mode					Conducted Power	ERP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	16-QAM (dBm)	16-QAM ERP(W)	Limit ERP(W)
5	23205	779.5	1	0	22.45	0.193	3
5	23205	779.5	1	12	22.50	0.195	3
5	23205	779.5	1	24	22.07	0.177	3
5	23205	779.5	25	0	21.72	0.163	3
5	23230	782	1	0	23.27	0.233	3
5	23230	782	1	12	23.29	0.234	3
5	23230	782	1	24	22.53	0.196	3
5	23230	782	25	0	21.65	0.160	3
5	23255	784.5	1	0	22.32	0.187	3
5	23255	784.5	1	12	22.43	0.192	3
5	23255	784.5	1	24	21.80	0.166	3
5	23255	784.5	25	0	21.72	0.163	3
10	23230	782	1	0	22.87	0.212	3
10	23230	782	1	13	23.30	0.234	3
10	23230	782	1	26	22.89	0.213	3
10	23230	782	27	0	21.31	0.148	3

Note:

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

Mode 6: LTE Band 14

Mode					Conducted Power	ERP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	QPSK ERP(W)	Limit ERP(W)
5	23305	790.5	1	0	23.47	0.244	3
5	23305	790.5	1	12	23.66	0.255	3
5	23305	790.5	1	24	23.76	0.261	3
5	23305	790.5	25	0	22.86	0.212	3
5	23330	793	1	0	23.58	0.250	3
5	23330	793	1	12	23.82	0.264	3
5	23330	793	1	24	23.94	0.272	3
5	23330	793	25	0	22.79	0.208	3
5	23355	795.5	1	0	23.73	0.259	3
5	23355	795.5	1	12	23.93	0.271	3
5	23355	795.5	1	24	23.57	0.249	3
5	23355	795.5	25	0	22.79	0.208	3
10	23330	793	1	0	23.63	0.253	3
10	23330	793	1	24	24.03	0.277	3
10	23330	793	1	49	23.71	0.258	3
10	23330	793	50	0	22.73	0.206	3

Note:

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

Mode					Conducted Power	ERP Power	Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	16-QAM (dBm)	16-QAM ERP(W)	Limit ERP(W)
5	23305	790.5	1	0	22.87	0.212	3
5	23305	790.5	1	12	22.66	0.202	3
5	23305	790.5	1	24	22.79	0.208	3
5	23305	790.5	25	0	21.81	0.166	3
5	23330	793	1	0	22.31	0.187	3
5	23330	793	1	12	22.57	0.198	3
5	23330	793	1	24	22.33	0.187	3
5	23330	793	25	0	21.79	0.166	3
5	23355	795.5	1	0	22.37	0.189	3
5	23355	795.5	1	12	22.58	0.199	3
5	23355	795.5	1	24	22.41	0.191	3
5	23355	795.5	25	0	21.71	0.163	3
10	23330	793	1	0	22.66	0.202	3
10	23330	793	1	13	22.91	0.214	3
10	23330	793	1	26	22.69	0.204	3
10	23330	793	27	0	21.51	0.155	3

Note:

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

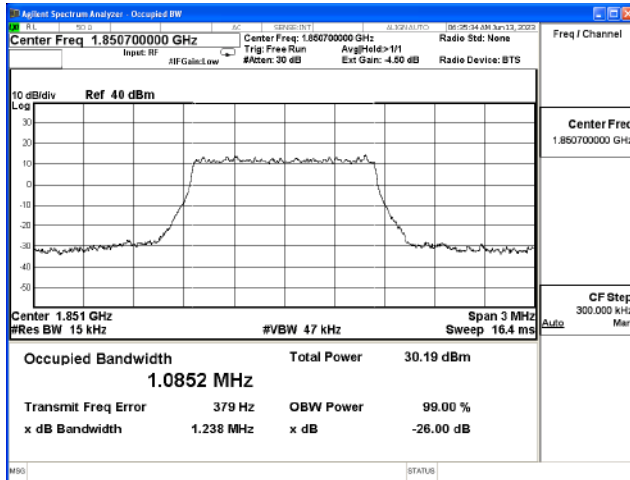
2. ERP (W) = $(10^{(\text{Power(dBm)}/10)}) * 10^{-3}$

Appendix B. Test Result of Occupied Bandwidth

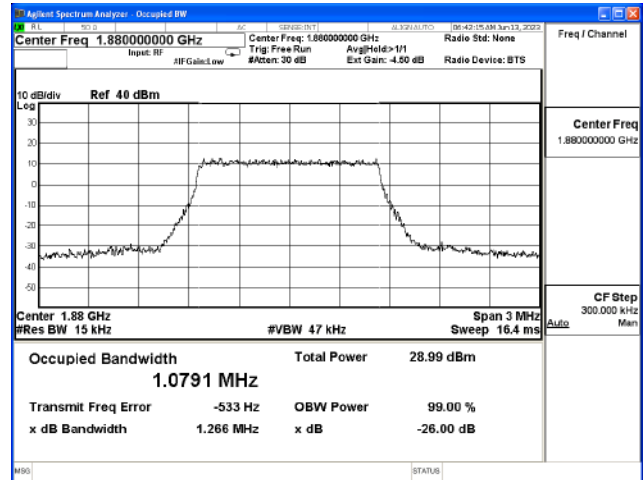
Mode 1: LTE Band 2

Bandwidth (MHz)	Modulation	Channel	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
				26dB BW	99% BW	
1.4	QPSK	18607	1850.7	1.238	1.085	N/A
		18900	1880	1.266	1.079	N/A
		19193	1909.3	1.247	1.077	N/A
	16-QAM	18607	1850.7	1.237	1.076	N/A
		18900	1880	1.237	1.076	N/A
		19193	1909.3	1.261	1.080	N/A
3	QPSK	18615	1851.5	2.910	2.683	N/A
		18900	1880	2.927	2.684	N/A
		19185	1908.5	2.905	2.684	N/A
	16-QAM	18615	1851.5	2.936	2.679	N/A
		18900	1880	2.929	2.681	N/A
		19185	1908.5	2.935	2.682	N/A
5	QPSK	18625	1852.5	4.904	4.465	N/A
		18900	1880	4.918	4.466	N/A
		19175	1907.5	4.884	4.465	N/A
	16-QAM	18625	1852.5	4.888	4.463	N/A
		18900	1880	4.879	4.466	N/A
		19175	1907.5	4.919	4.464	N/A
10	QPSK	18650	1855	9.696	8.930	N/A
		18900	1880	9.686	8.920	N/A
		19150	1905	9.677	8.910	N/A
	16-QAM	18650	1855	5.508	4.846	N/A
		18900	1880	5.459	4.822	N/A
		19150	1905	5.461	4.837	N/A
15	QPSK	18675	1857.5	14.410	13.390	N/A
		18900	1880	14.260	13.368	N/A
		19125	1902.5	14.280	13.384	N/A
	16-QAM	18675	1857.5	5.490	4.837	N/A
		18900	1880	5.512	4.835	N/A
		19125	1902.5	5.566	4.835	N/A
20	QPSK	18700	1860	19.370	17.831	N/A
		18900	1880	18.980	17.821	N/A
		19100	1900	19.000	17.794	N/A
	16-QAM	18700	1860	5.601	4.853	N/A
		18900	1880	5.431	4.834	N/A
		19100	1900	5.536	4.828	N/A

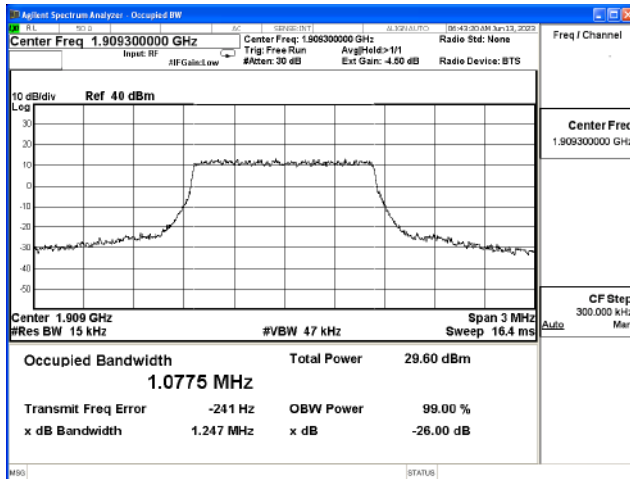
LTE Band 2_QPSK_CH18607_1.4 MHz_Full RB



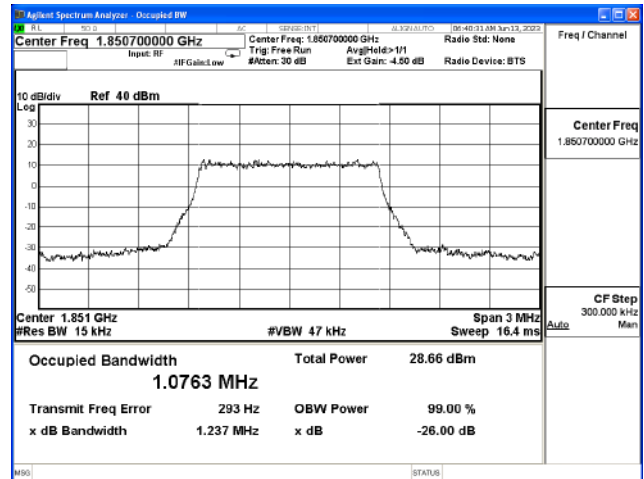
LTE Band 2_QPSK_CH18900_1.4 MHz_Full RB



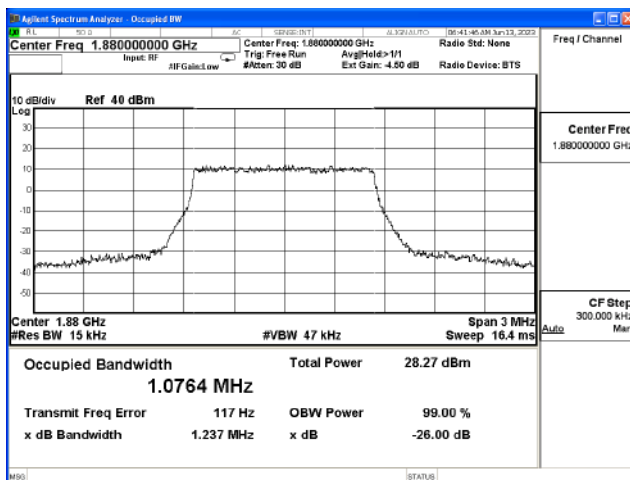
LTE Band 2_QPSK_CH19193_1.4 MHz_Full RB



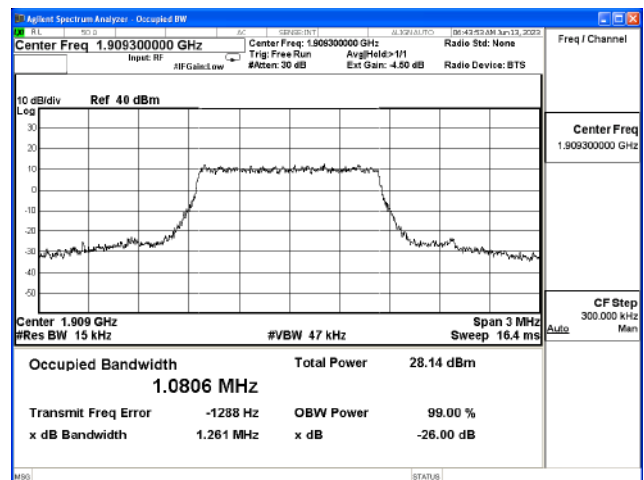
LTE Band 2_16QAM_CH18607_1.4 MHz_Full RB



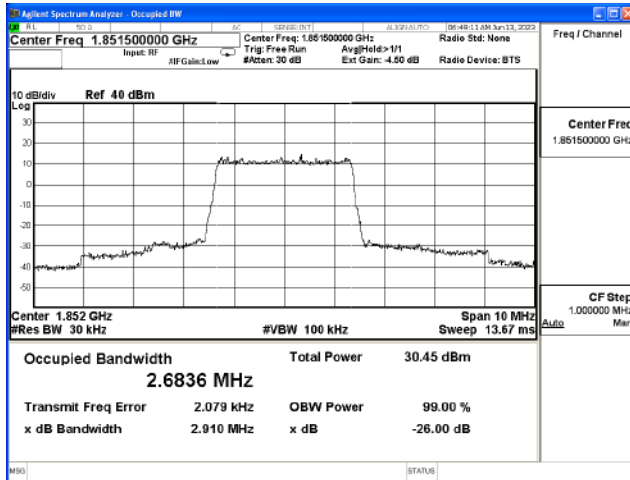
LTE Band 2_16QAM_CH18900_1.4 MHz_Full RB



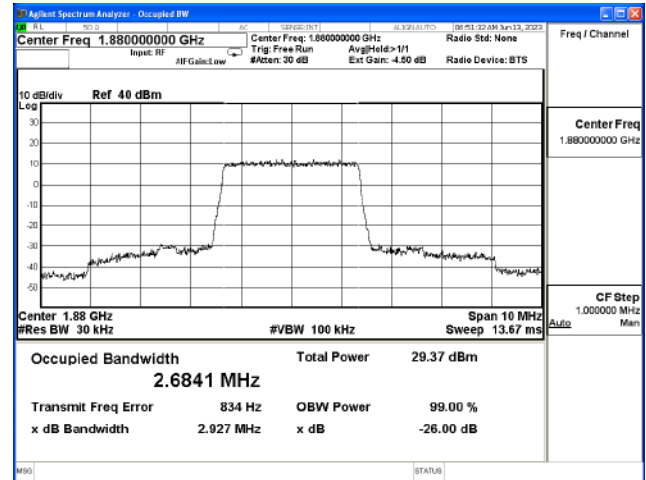
LTE Band 2_16QAM_CH19193_1.4 MHz_Full RB



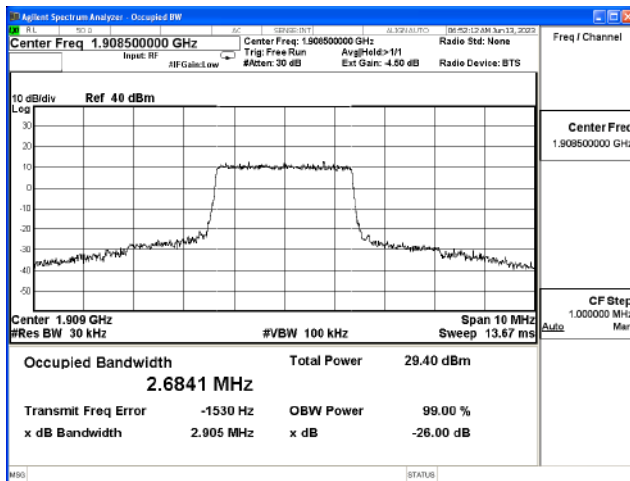
LTE Band 2_QPSK_CH18615_3 MHz_Full RB



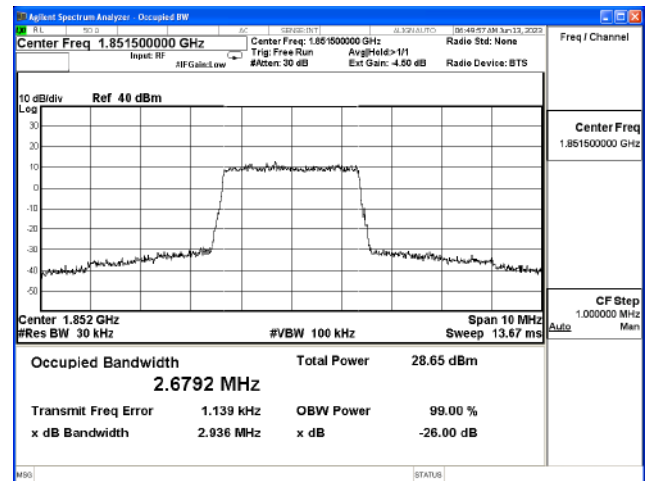
LTE Band 2_QPSK_CH18900_3 MHz_Full RB



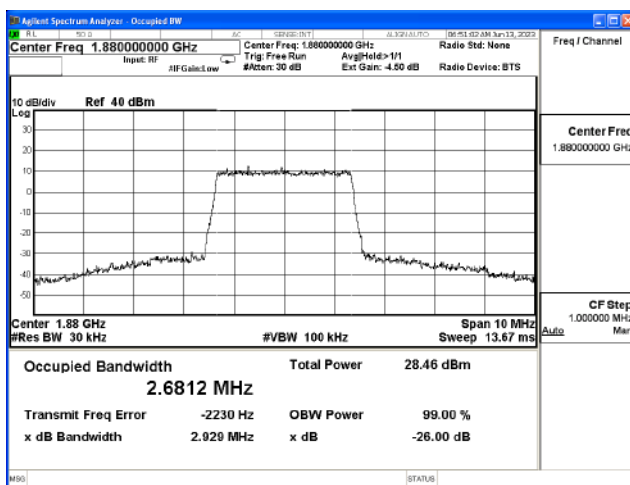
LTE Band 2_QPSK_CH19185_3 MHz_Full RB



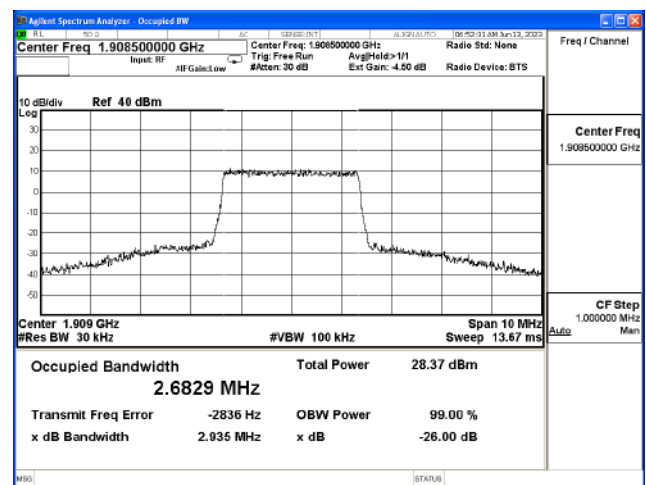
LTE Band 2_16QAM_CH18615_3 MHz_Full RB



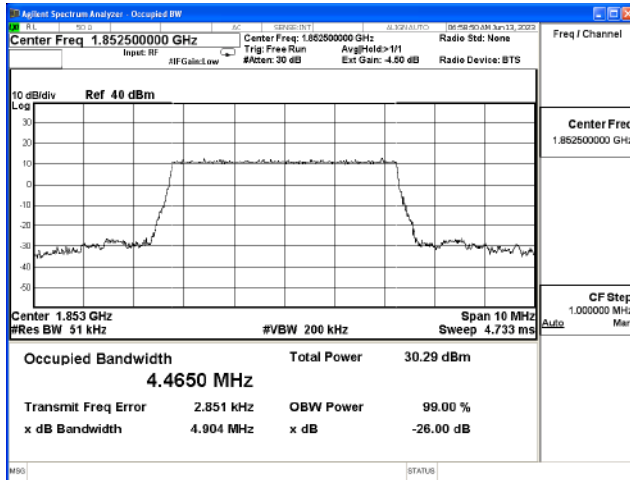
LTE Band 2_16QAM_CH18900_3 MHz_Full RB



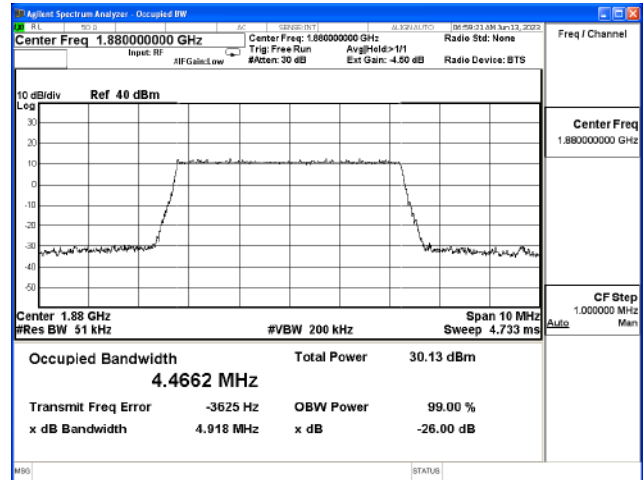
LTE Band 2_16QAM_CH19185_3 MHz_Full RB



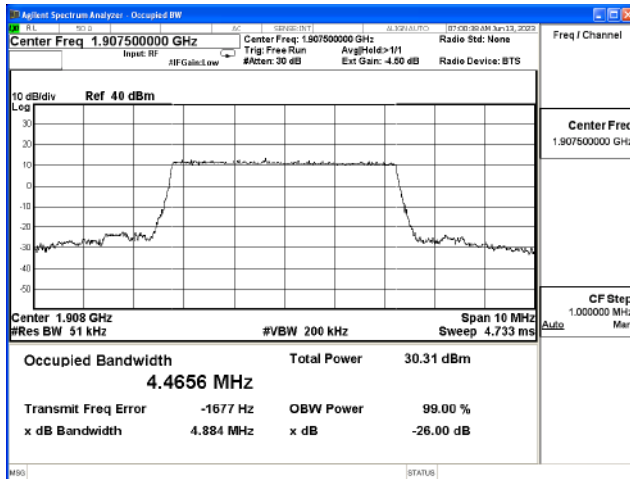
LTE Band 2_QPSK_CH18625_5 MHz_Full RB



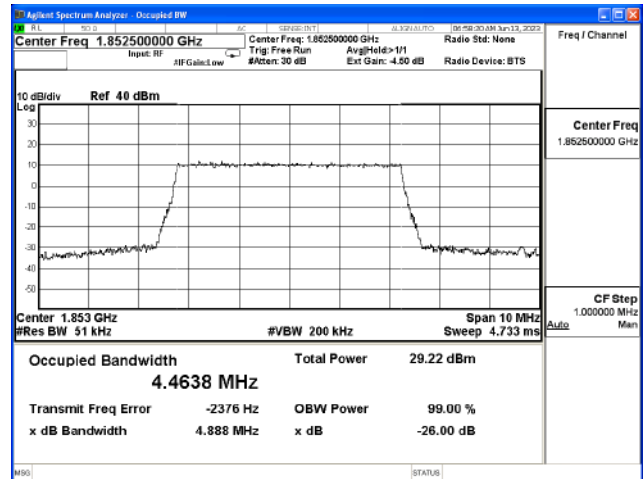
LTE Band 2_QPSK_CH18900_5 MHz_Full RB



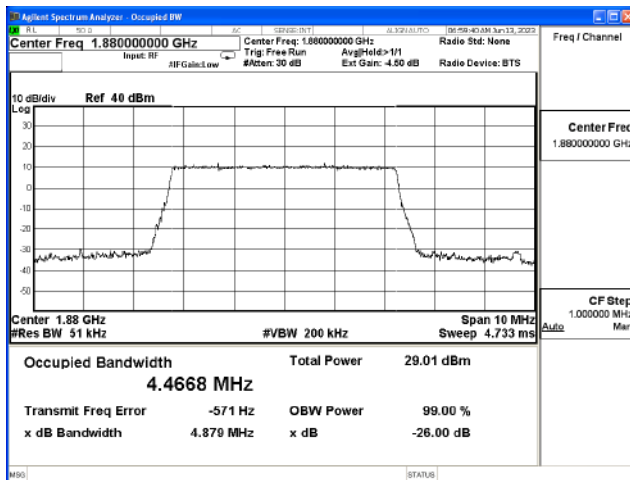
LTE Band 2_QPSK_CH19175_5 MHz_Full RB



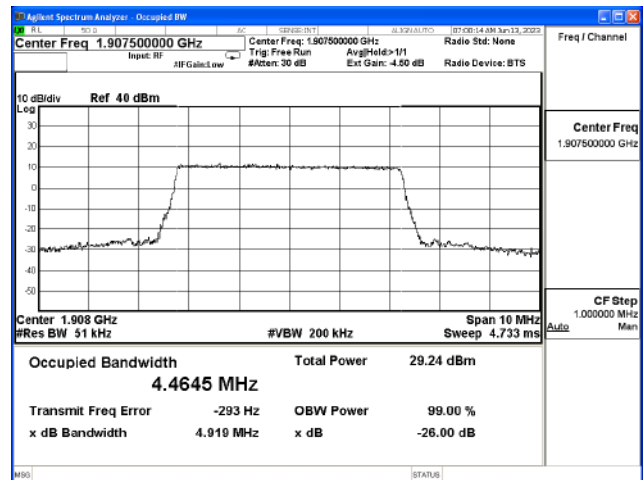
LTE Band 2_16QAM_CH18625_5 MHz_Full RB



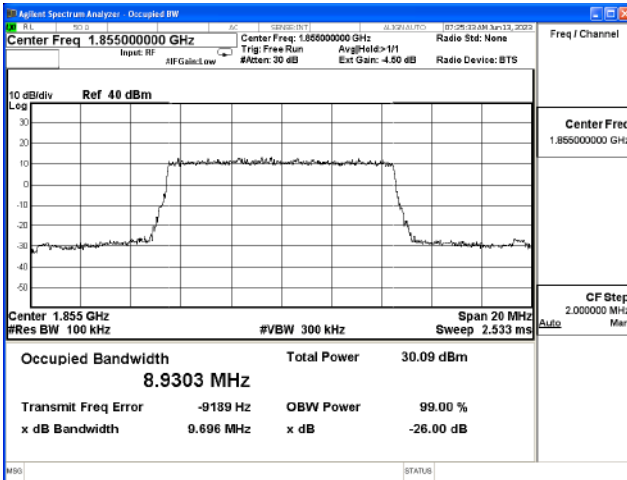
LTE Band 2_16QAM_CH18900_5 MHz_Full RB



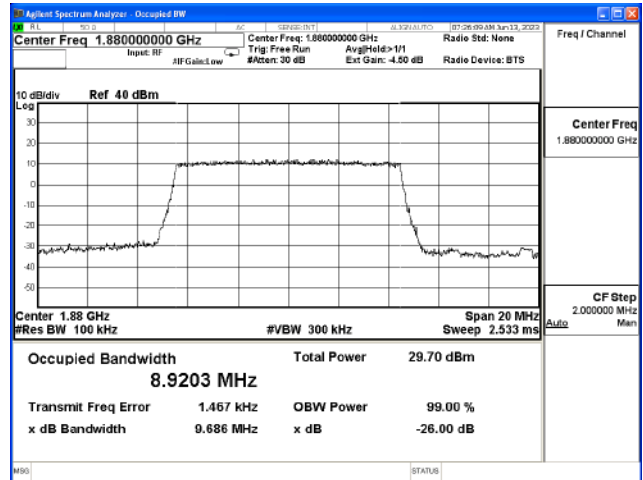
LTE Band 2_16QAM_CH19175_5 MHz_Full RB



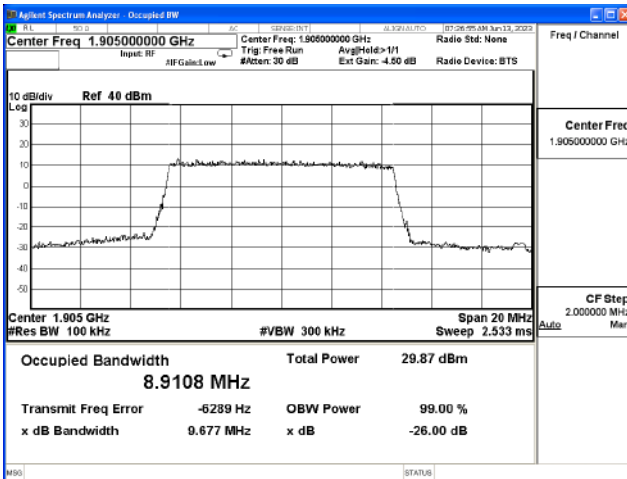
LTE Band 2_QPSK_CH18650_10 MHz_Full RB



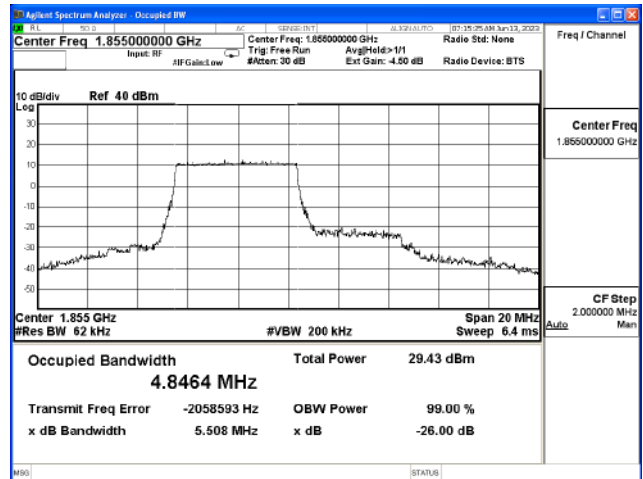
LTE Band 2_QPSK_CH18900_10 MHz_Full RB



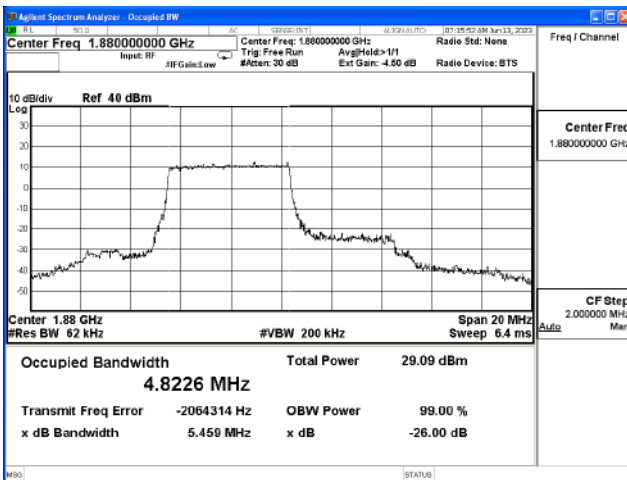
LTE Band 2_QPSK_CH19150_10 MHz_Full RB



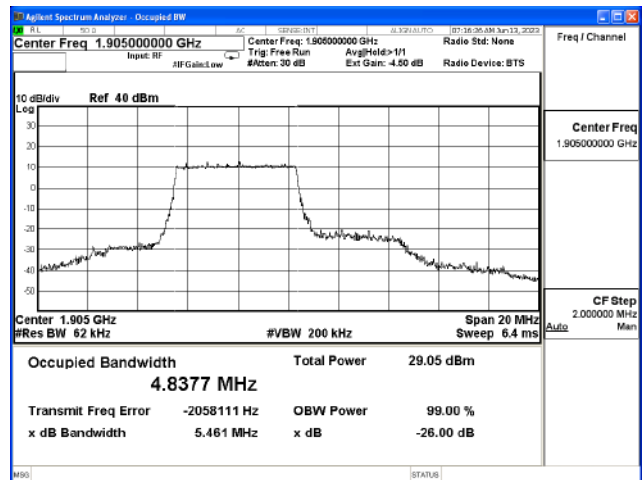
LTE Band 2_16QAM_CH18650_10 MHz_Full RB



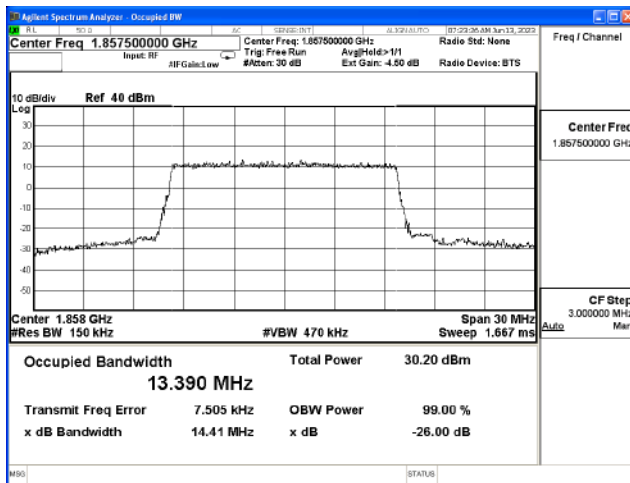
LTE Band 2_16QAM_CH18900_10 MHz_Full RB



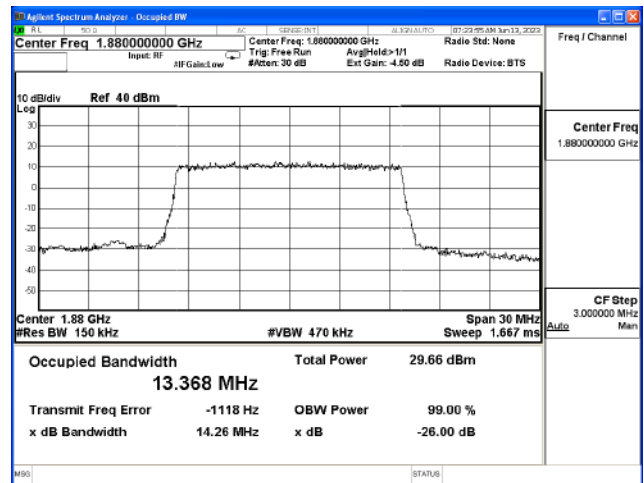
LTE Band 2_16QAM_CH19150_10 MHz_Full RB



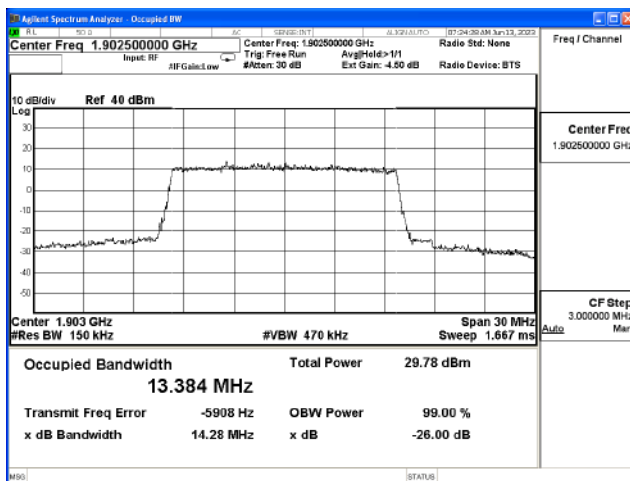
LTE Band 2_QPSK_CH18675_15 MHz_Full RB



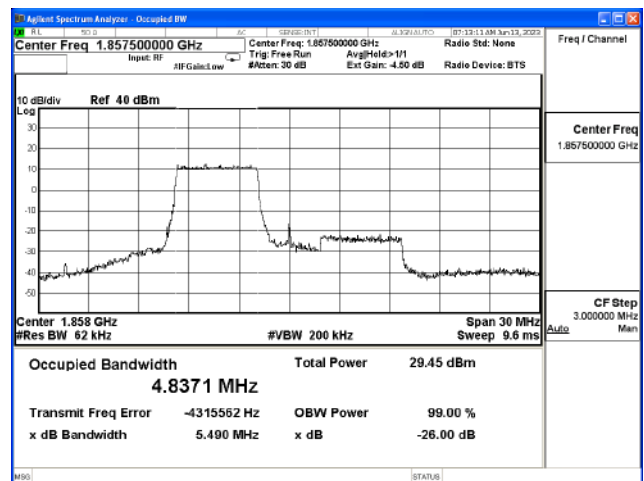
LTE Band 2_QPSK_CH18900_15 MHz_Full RB



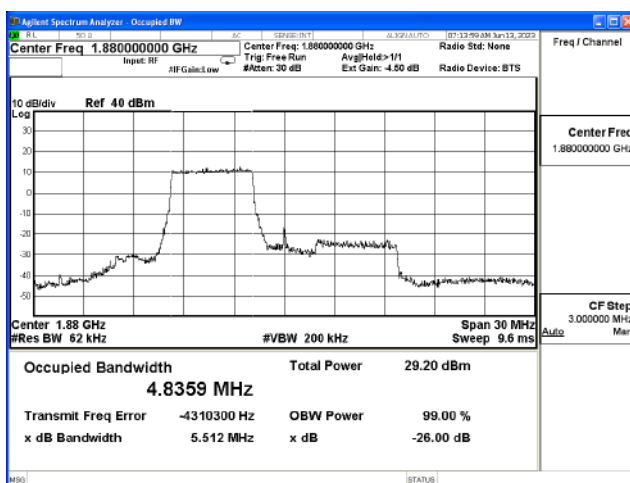
LTE Band 2_QPSK_CH 19125_15 MHz_Full RB



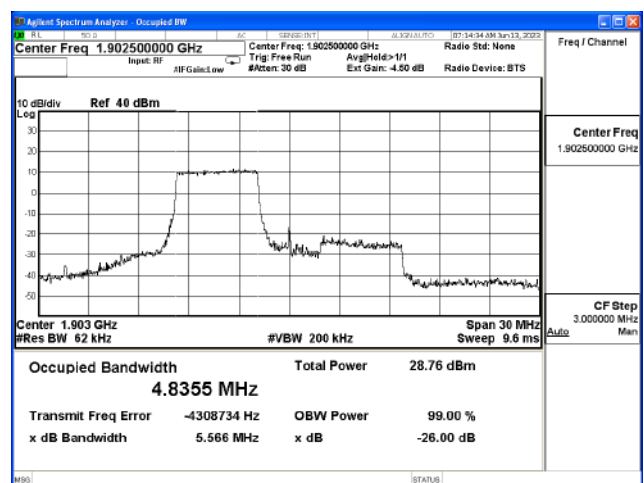
LTE Band 2_16QAM_CH18675_15 MHz_Full RB



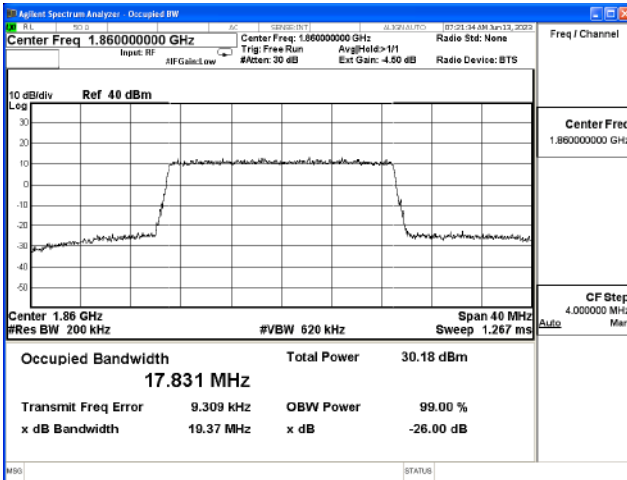
LTE Band 2_16QAM_CH18900_15 MHz_Full RB



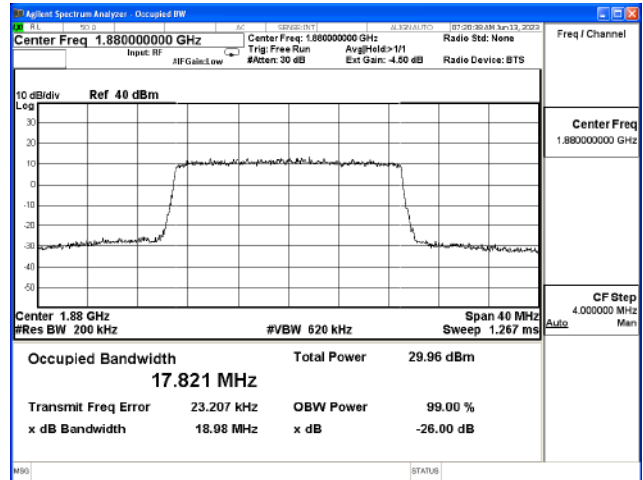
LTE Band 2_16QAM_CH 19125_15 MHz_Full RB



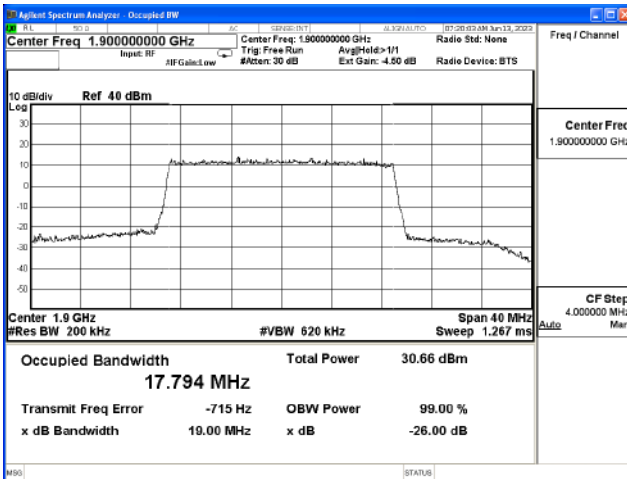
LTE Band 2_QPSK_CH18700_20 MHz_Full RB



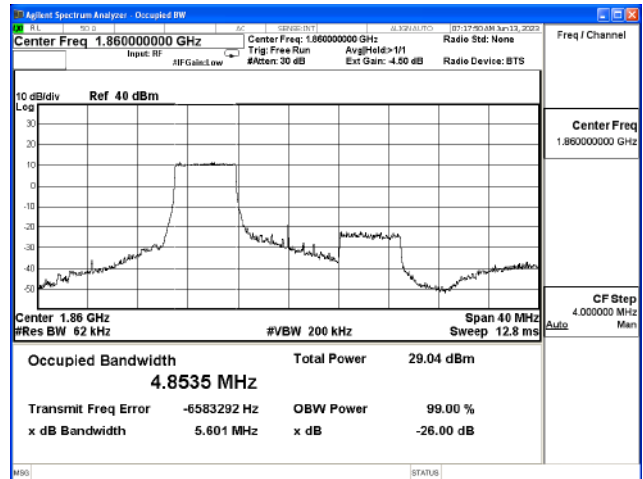
LTE Band 2_QPSK_CH18900_20 MHz_Full RB



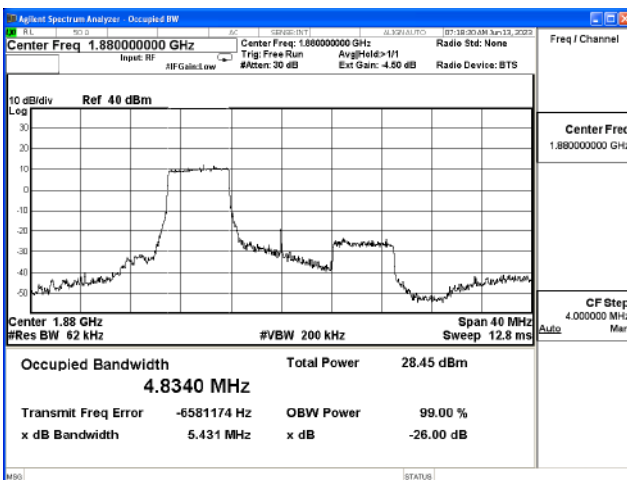
LTE Band 2_QPSK_CH19100_20 MHz_Full RB



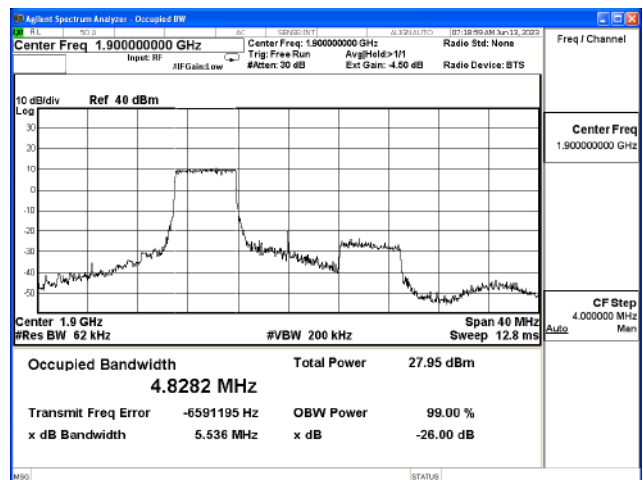
LTE Band 2_16QAM_CH18700_20 MHz_Full RB



LTE Band 2_16QAM_CH18900_20 MHz_Full RB



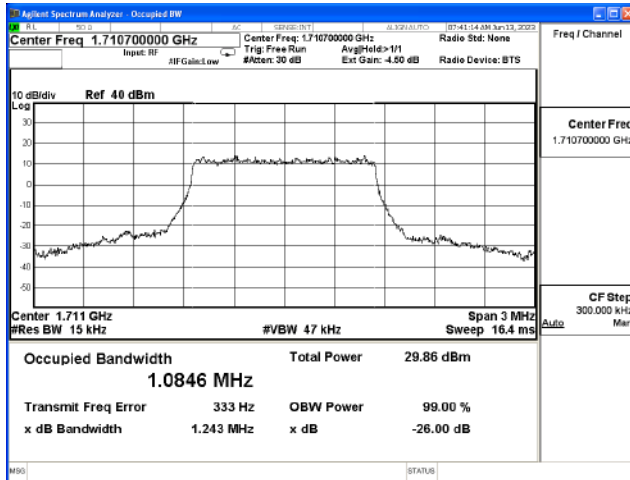
LTE Band 2_16QAM_CH19100_20 MHz_Full RB



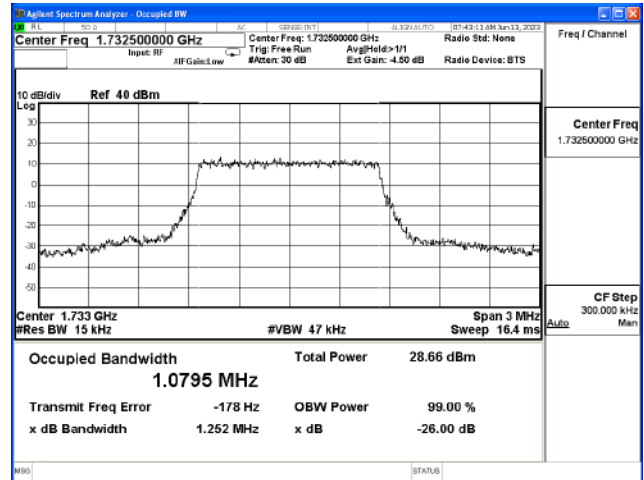
Mode 2: LTE Band 4

Bandwidth (MHz)	Modulation	Channel	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
				26dB BW	99% BW	
1.4	QPSK	19957	1710.7	1.243	1.084	N/A
		20175	1732.5	1.252	1.079	N/A
		20393	1754.3	1.245	1.078	N/A
	16-QAM	19957	1710.7	1.248	1.080	N/A
		20175	1732.5	1.247	1.077	N/A
		20393	1754.3	1.258	1.082	N/A
3	QPSK	19965	1711.5	2.911	2.680	N/A
		20175	1732.5	2.903	2.684	N/A
		20385	1753.5	2.918	2.691	N/A
	16-QAM	19965	1711.5	2.918	2.681	N/A
		20175	1732.5	2.939	2.680	N/A
		20385	1753.5	2.917	2.683	N/A
5	QPSK	19975	1712.5	4.949	4.477	N/A
		20175	1732.5	4.920	4.462	N/A
		20375	1752.2	4.871	4.482	N/A
	16-QAM	19975	1712.5	4.863	4.468	N/A
		20175	1732.5	4.915	4.471	N/A
		20375	1752.2	4.935	4.473	N/A
10	QPSK	20000	1715	9.767	8.940	N/A
		20175	1732.5	9.623	8.922	N/A
		20350	1750	9.687	8.936	N/A
	16-QAM	20000	1715	5.494	4.845	N/A
		20175	1732.5	5.325	4.827	N/A
		20350	1750	5.572	4.855	N/A
15	QPSK	20025	1717.5	14.410	13.396	N/A
		20175	1732.5	14.530	13.387	N/A
		20325	1747.5	14.400	13.398	N/A
	16-QAM	20025	1717.5	5.413	4.825	N/A
		20175	1732.5	5.442	4.843	N/A
		20325	1747.5	5.599	4.838	N/A
20	QPSK	20050	1720	19.150	17.840	N/A
		20175	1732.5	19.300	17.827	N/A
		20300	1745	19.050	17.841	N/A
	16-QAM	20050	1720	5.542	4.844	N/A
		20175	1732.5	5.525	4.852	N/A
		20300	1745	5.438	4.821	N/A

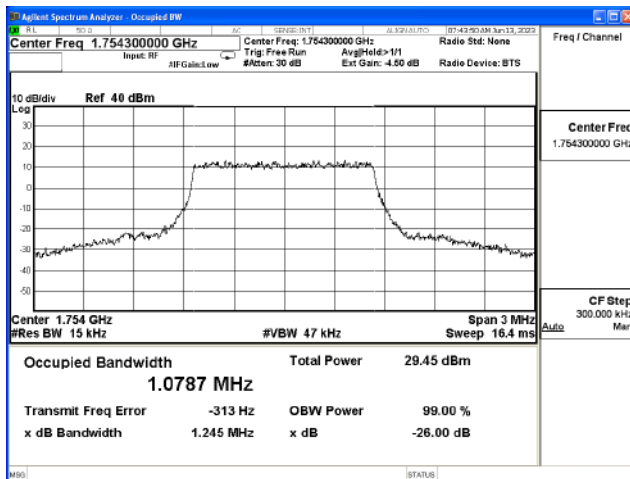
LTE Band 4_QPSK_CH19957_1.4 MHz_Full RB



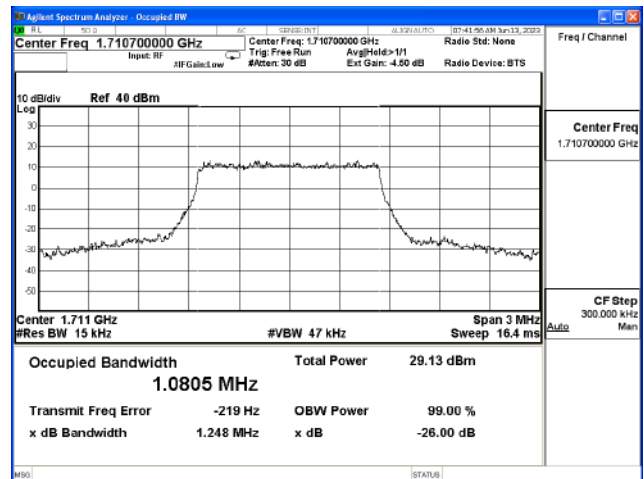
LTE Band 4_QPSK_CH20175_1.4 MHz_Full RB



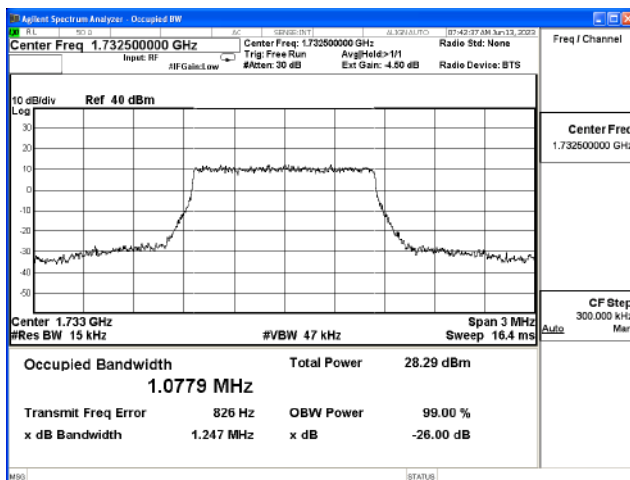
LTE Band 4_QPSK_CH20393_1.4 MHz_Full RB



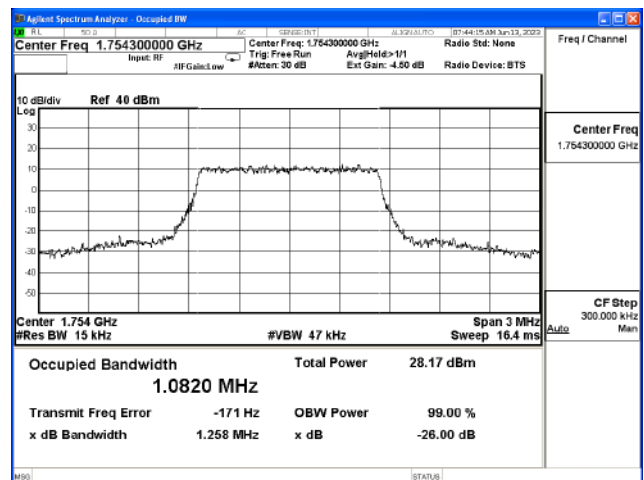
LTE Band 4_16QAM_CH19957_1.4 MHz_Full RB



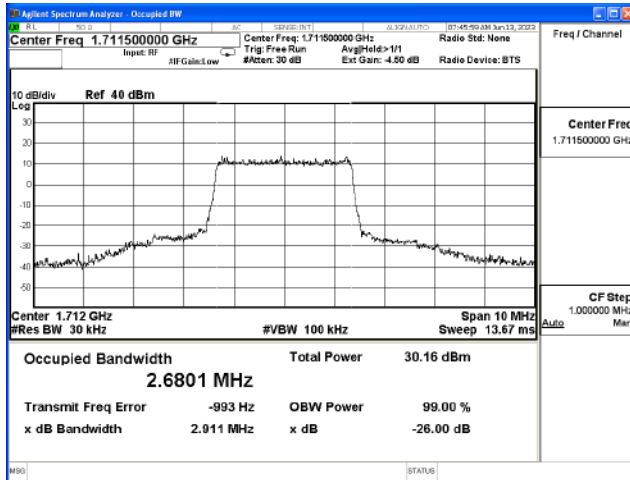
LTE Band 4_16QAM_CH20175_1.4 MHz_Full RB



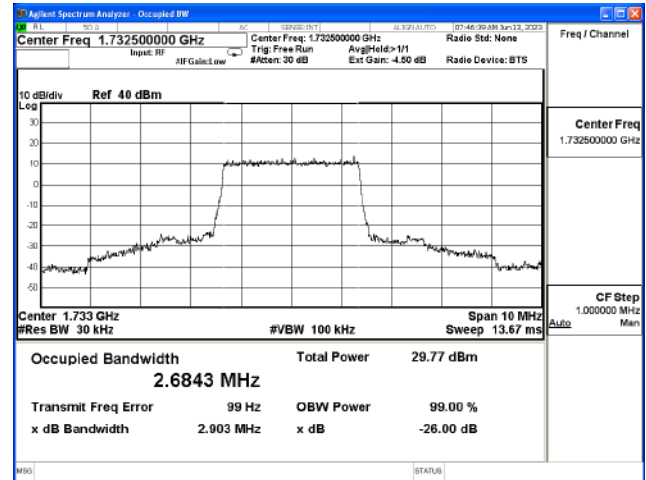
LTE Band 4_16QAM_CH20393_1.4 MHz_Full RB



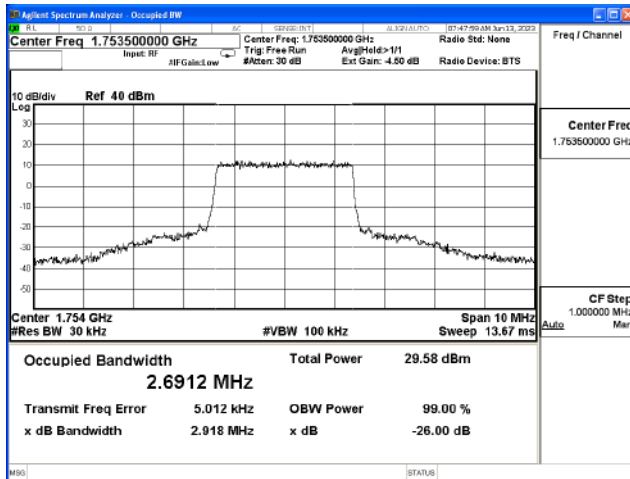
LTE Band 4_QPSK_CH19965_3 MHz_Full RB



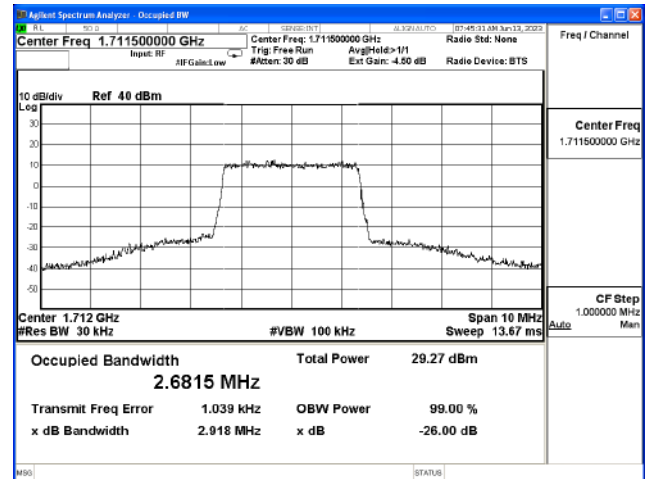
LTE Band 4_QPSK_CH20175_3 MHz_Full RB



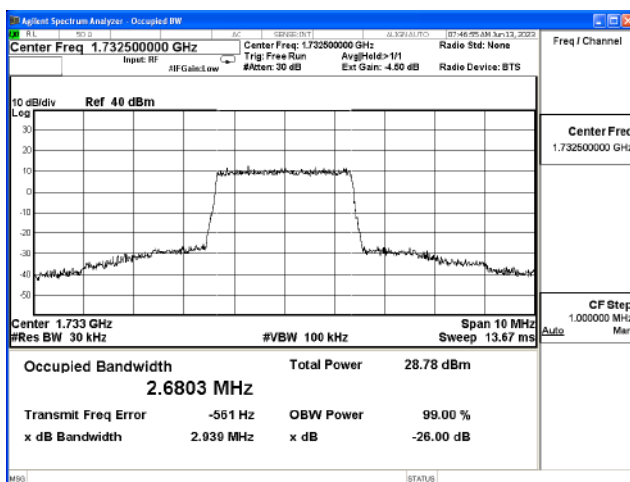
LTE Band 4_QPSK_CH20385_3 MHz_Full RB



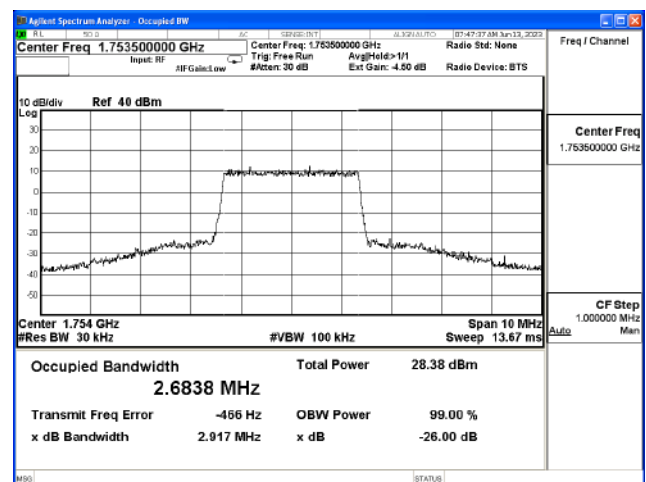
LTE Band 4_16QAM_CH19965_3 MHz_Full RB



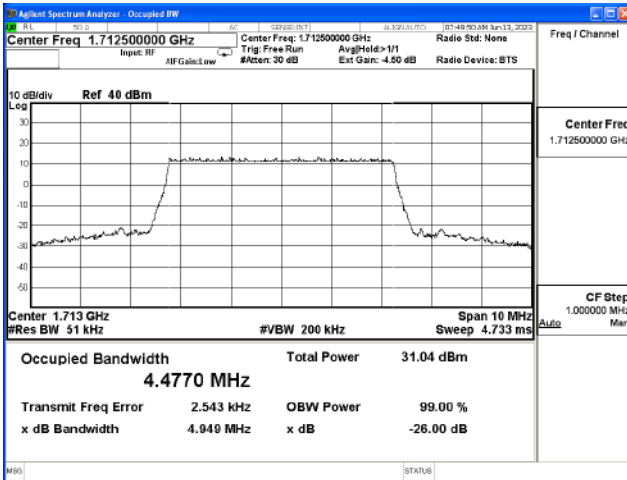
LTE Band 4_16QAM_CH20175_3 MHz_Full RB



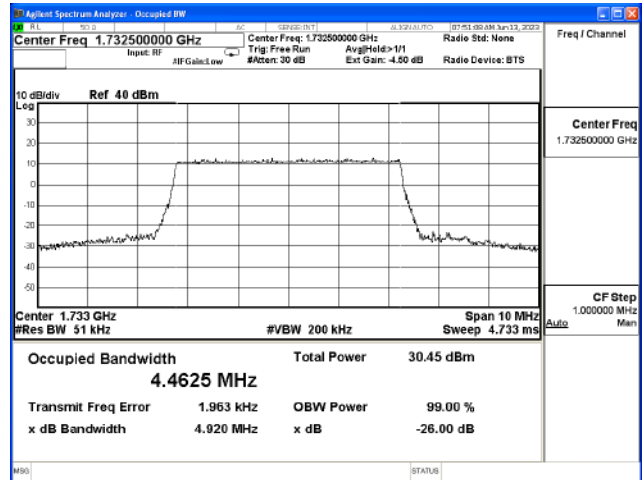
LTE Band 4_16QAM_CH20385_3 MHz_Full RB



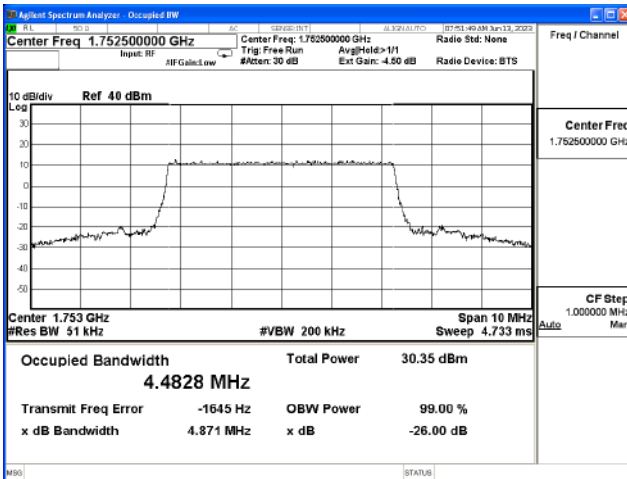
LTE Band 4_QPSK_CH19975_5 MHz_Full RB



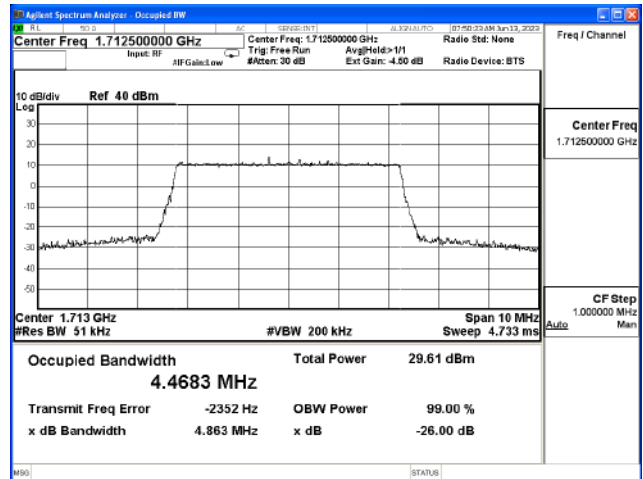
LTE Band 4_QPSK_CH20175_5 MHz_Full RB



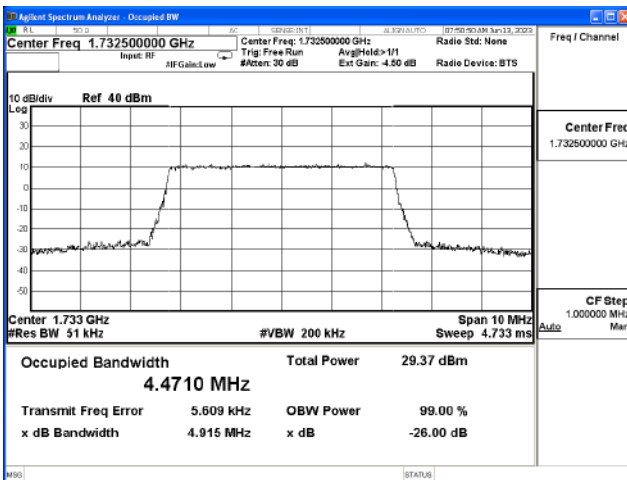
LTE Band 4_QPSK_CH20375_5 MHz_Full RB



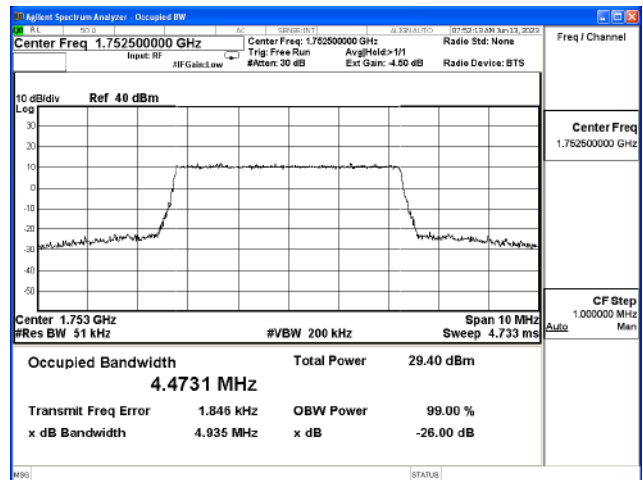
LTE Band 4_16QAM_CH19975_5 MHz_Full RB



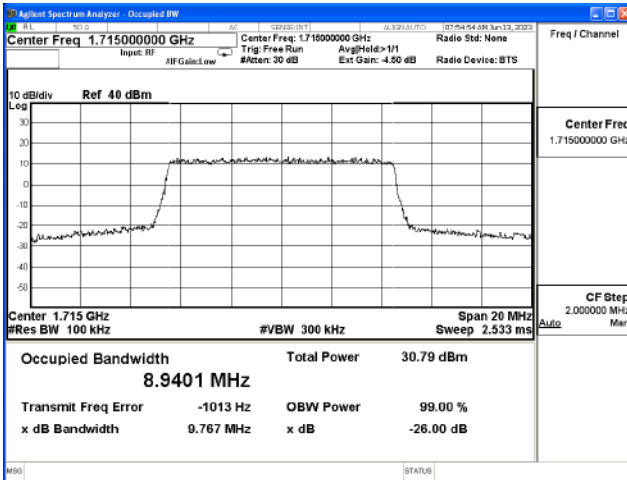
LTE Band 4_16QAM_CH20175_5 MHz_Full RB



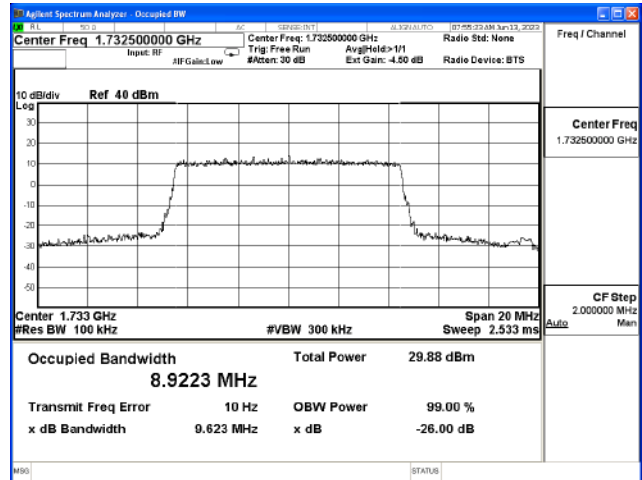
LTE Band 4_16QAM_CH20375_5 MHz_Full RB



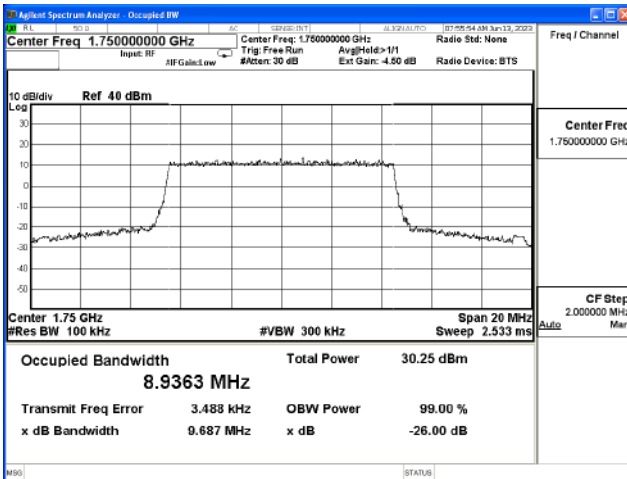
LTE Band 4_QPSK_CH20000_10 MHz_Full RB



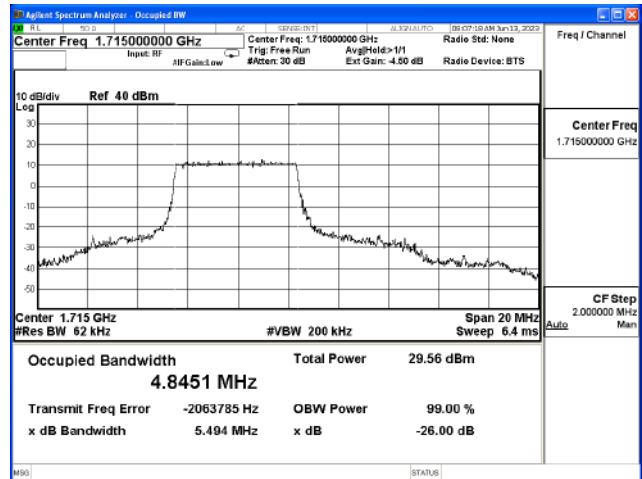
LTE Band 4_QPSK_CH20175_10 MHz_Full RB



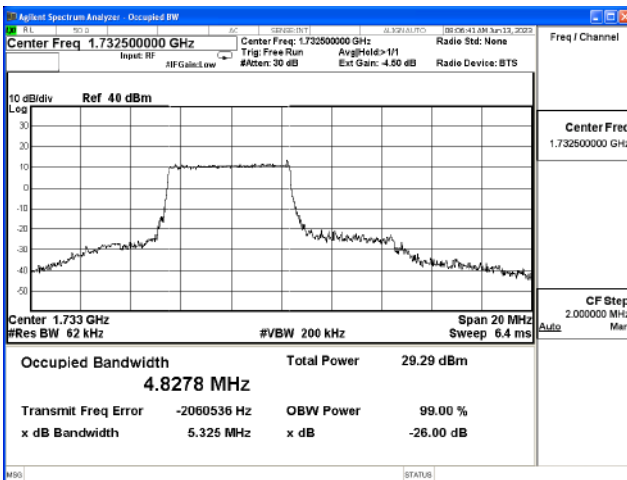
LTE Band 4_QPSK_CH20350_10 MHz_Full RB



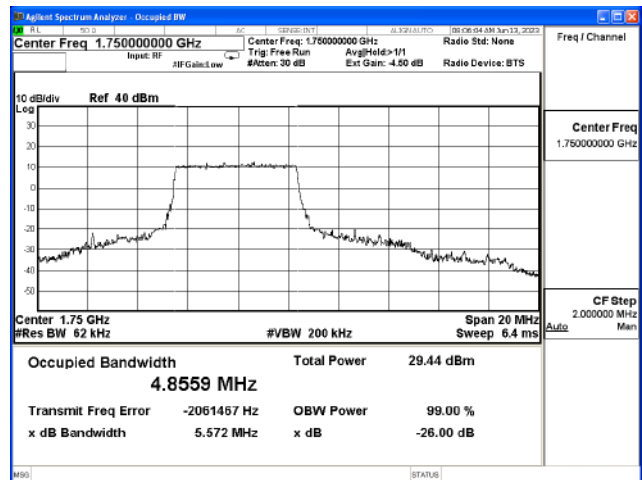
LTE Band 4_16QAM_CH20000_10 MHz_Full RB



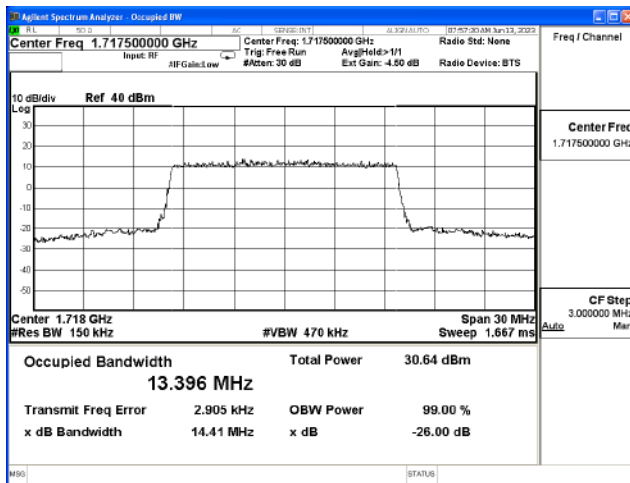
LTE Band 4_16QAM_CH20175_10 MHz_Full RB



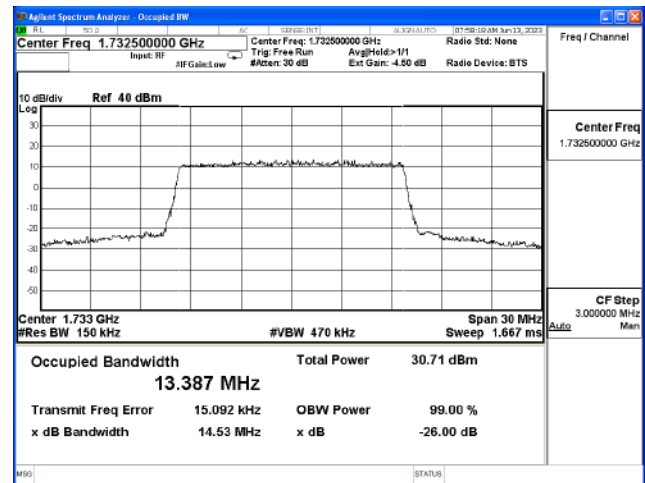
LTE Band 4_16QAM_CH20350_10 MHz_Full RB



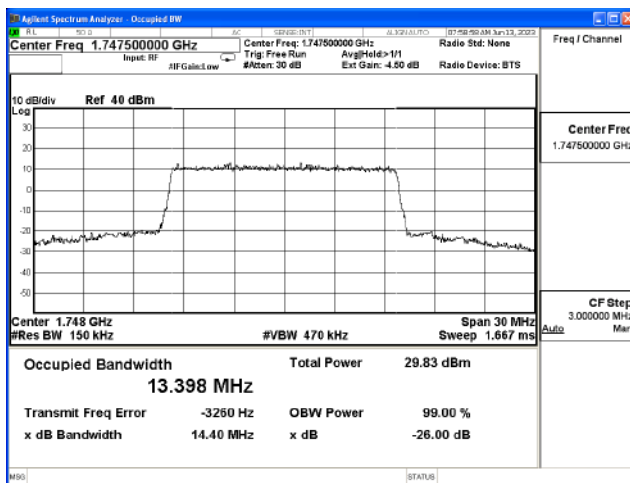
LTE Band 4_QPSK_CH20025_15 MHz_Full RB



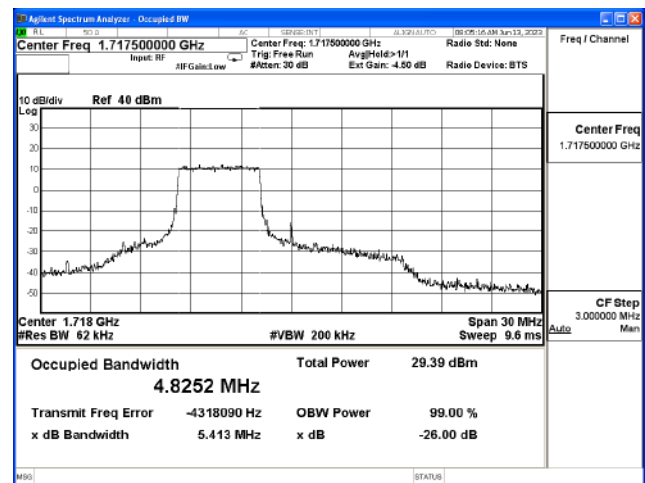
LTE Band 4_QPSK_CH20175_15 MHz_Full RB



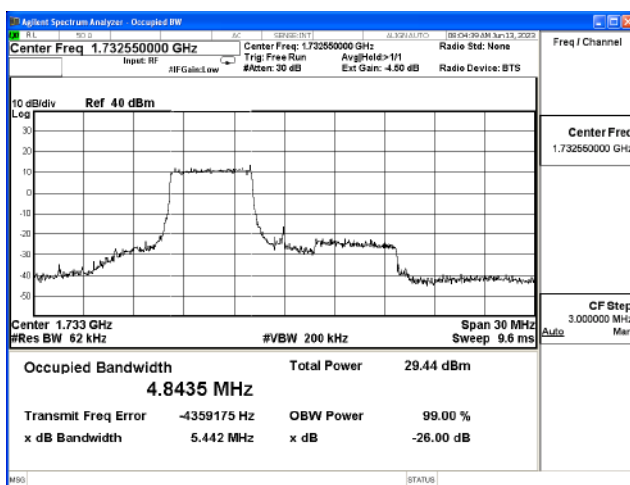
LTE Band 4_QPSK_CH20325_15 MHz_Full RB



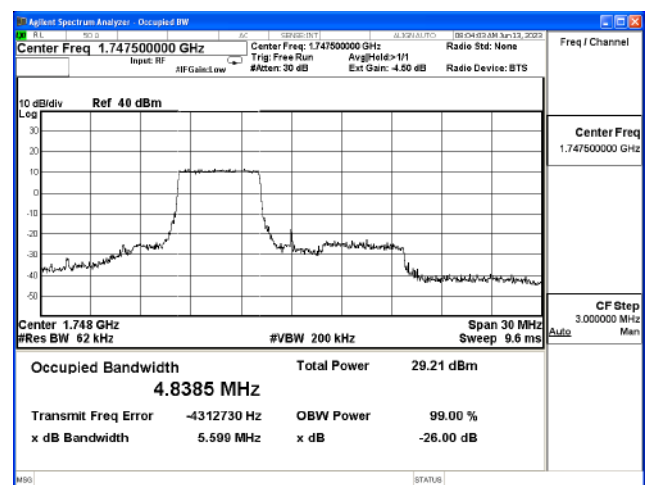
LTE Band 4_16QAM_CH20025_15 MHz_Full RB



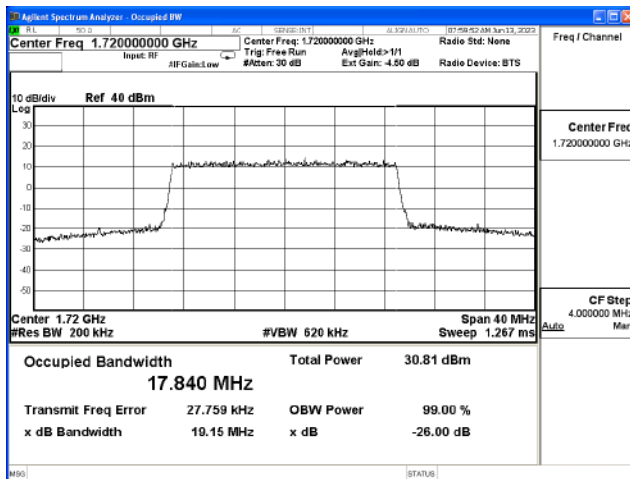
LTE Band 4_16QAM_CH20175_15 MHz_Full RB



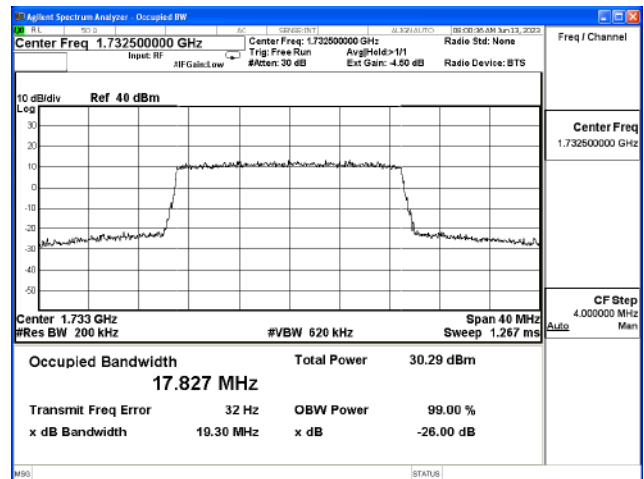
LTE Band 4_16QAM_CH20325_15 MHz_Full RB



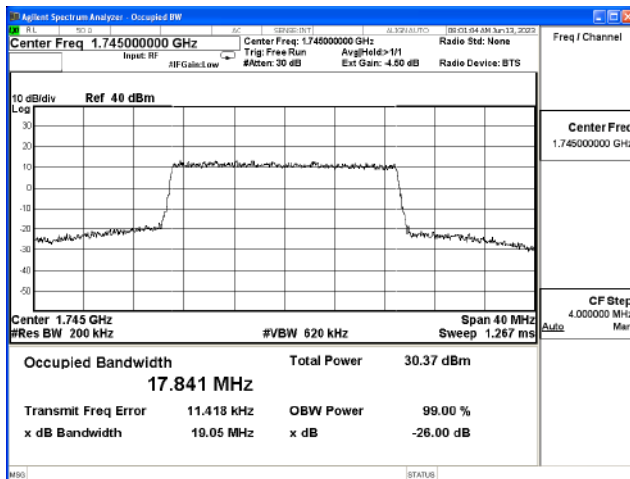
LTE Band 4_QPSK_CH20050_20 MHz_Full RB



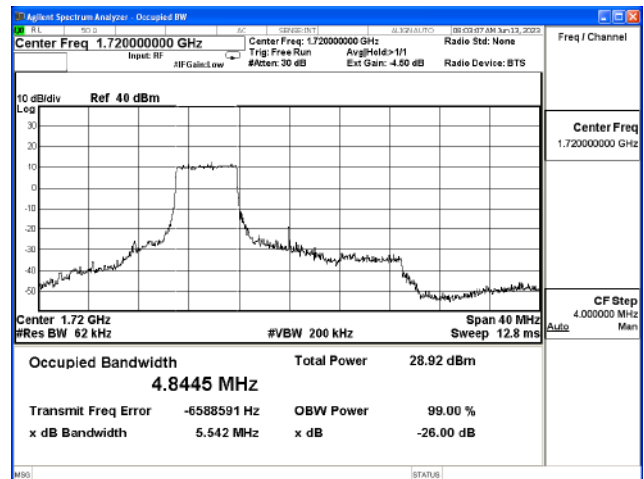
LTE Band 4_QPSK_CH20175_20 MHz_Full RB



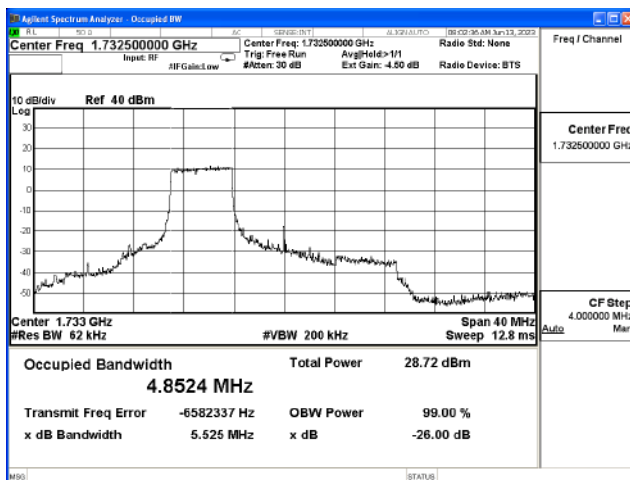
LTE Band 4_QPSK_CH20300_20 MHz_Full RB



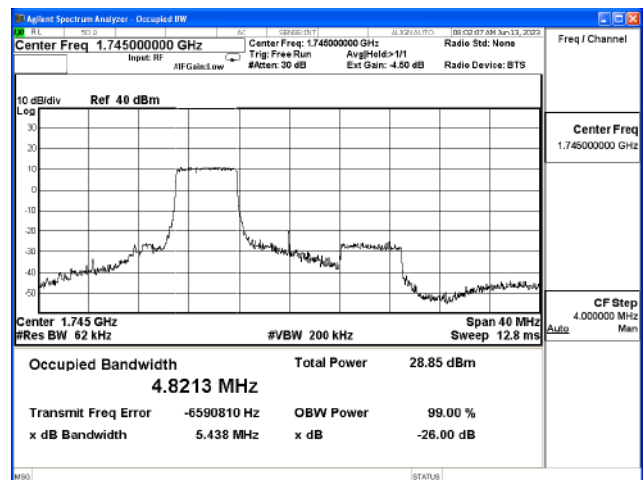
LTE Band 4_16QAM_CH20050_20 MHz_Full RB



LTE Band 4_16QAM_CH20175_20 MHz_Full RB



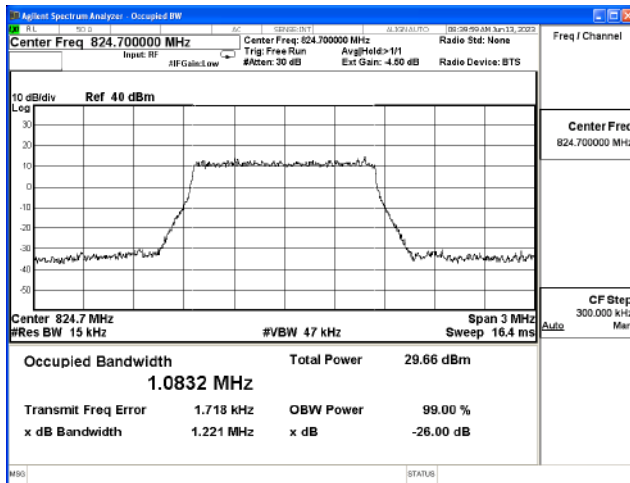
LTE Band 4_16QAM_CH20300_20 MHz_Full RB



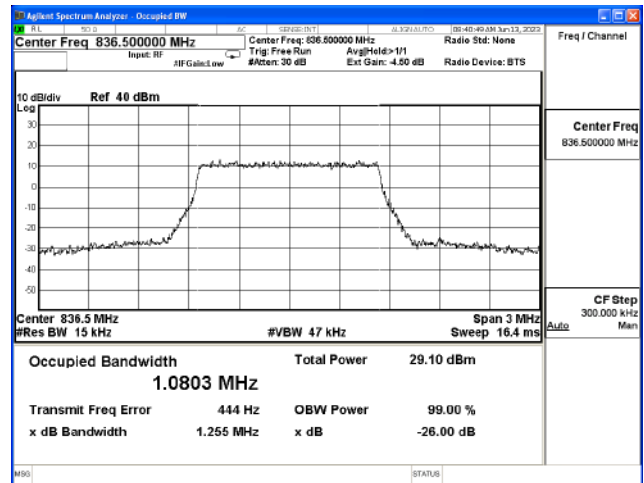
Mode 3: LTE Band 5

Bandwidth (MHz)	Modulation	Channel	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
				26dB BW	99% BW	
1.4	QPSK	20407	824.7	1.221	1.083	N/A
		20525	836.5	1.255	1.080	N/A
		20643	848.3	1.239	1.078	N/A
	16-QAM	20407	824.7	1.249	1.078	N/A
		20525	836.5	1.231	1.077	N/A
		20643	848.3	1.266	1.079	N/A
3	QPSK	20415	825.5	2.942	2.683	N/A
		20525	836.5	2.920	2.681	N/A
		20635	847.5	2.916	2.685	N/A
	16-QAM	20415	825.5	2.953	2.681	N/A
		20525	836.5	2.917	2.681	N/A
		20635	847.5	2.924	2.683	N/A
5	QPSK	20425	826.5	4.878	4.463	N/A
		20525	836.5	4.891	4.473	N/A
		20625	846.5	4.910	4.477	N/A
	16-QAM	20425	826.5	4.923	4.469	N/A
		20525	836.5	4.928	4.471	N/A
		20625	846.5	4.832	4.461	N/A
10	QPSK	20450.0	829.0	9.681	8.921	N/A
		20525.0	836.5	9.675	8.942	N/A
		20600.0	844.0	9.585	8.921	N/A
	16-QAM	20450.0	829.0	5.461	4.820	N/A
		20525.0	836.5	5.447	4.837	N/A
		20600.0	844.0	5.427	4.828	N/A

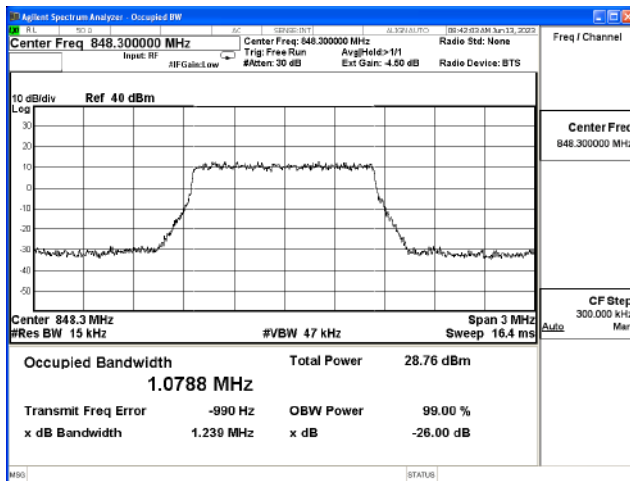
LTE Band 5_QPSK_CH20407_1.4 MHz_Full RB



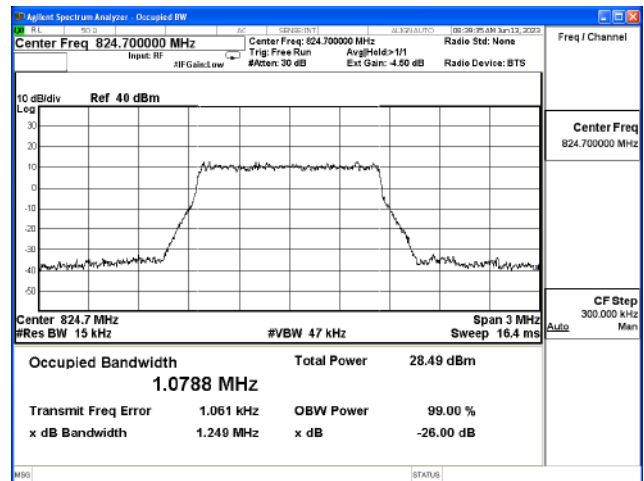
LTE Band 5_QPSK_CH20525_1.4 MHz_Full RB



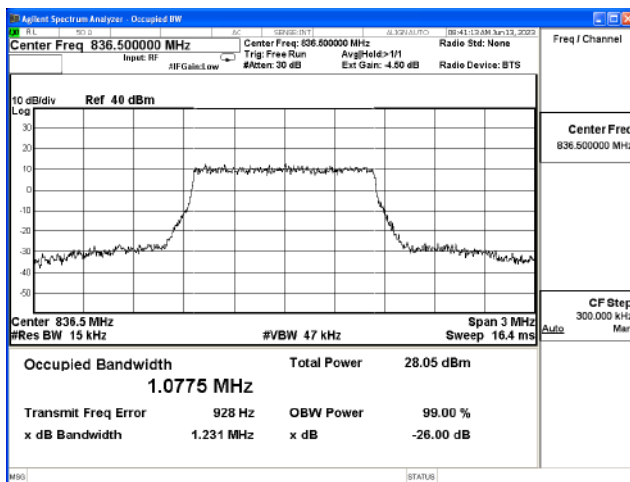
LTE Band 5_QPSK_CH20643_1.4 MHz_Full RB



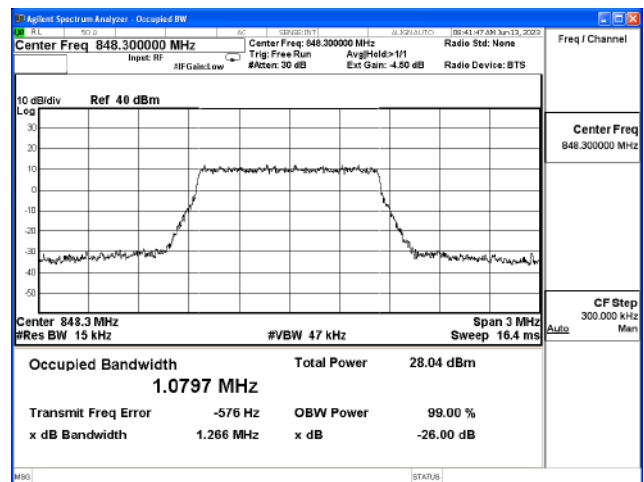
LTE Band 5_16QAM_CH20407_1.4 MHz_Full RB



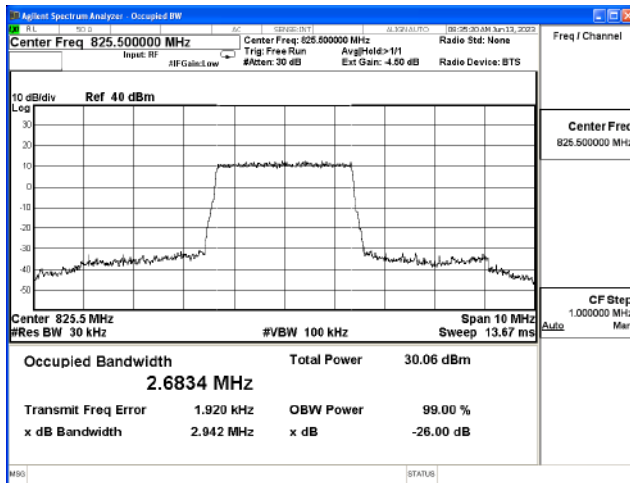
LTE Band 5_16QAM_CH20525_1.4 MHz_Full RB



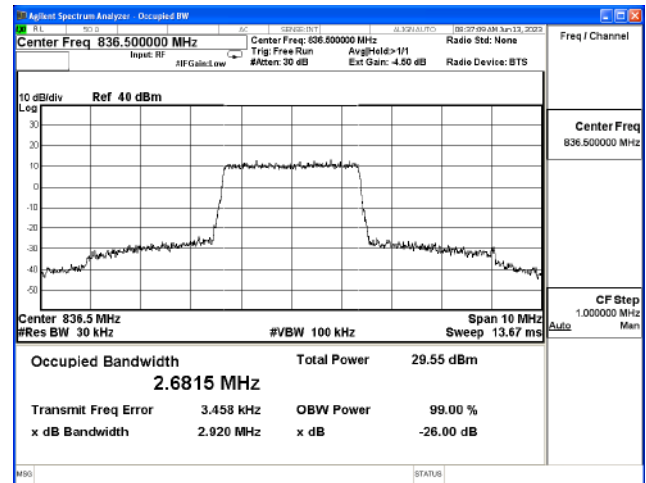
LTE Band 5_16QAM_CH20643_1.4 MHz_Full RB



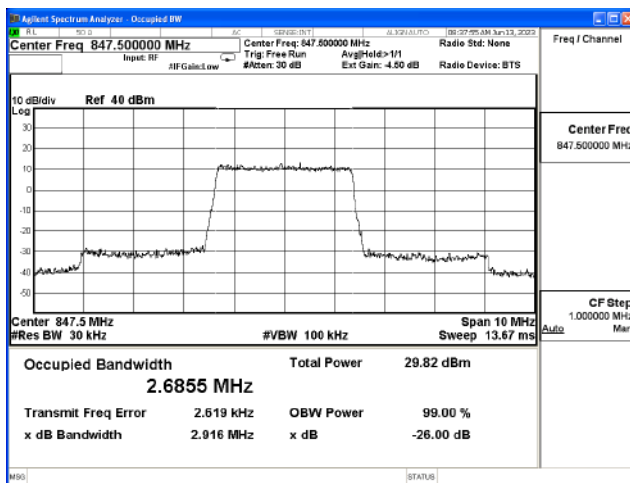
LTE Band 5_QPSK_CH20415_3 MHz_Full RB



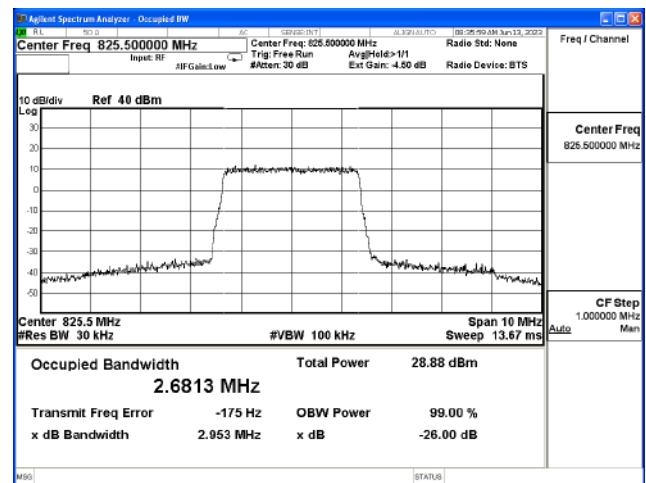
LTE Band 5_QPSK_CH20525_3 MHz_Full RB



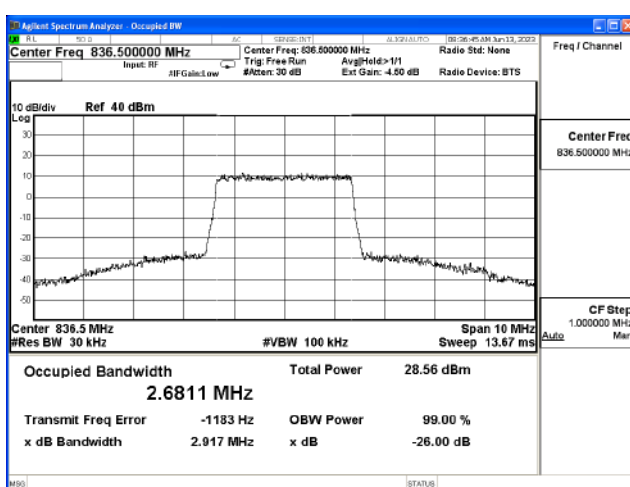
LTE Band 5_QPSK_CH20635_3 MHz_Full RB



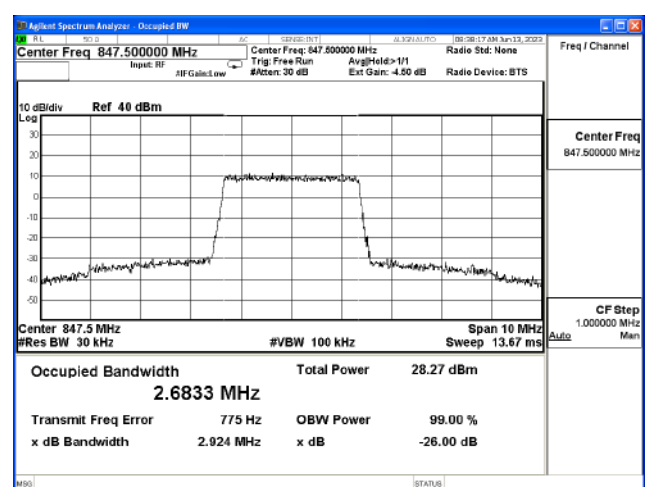
LTE Band 5_16QAM_CH20415_3 MHz_Full RB



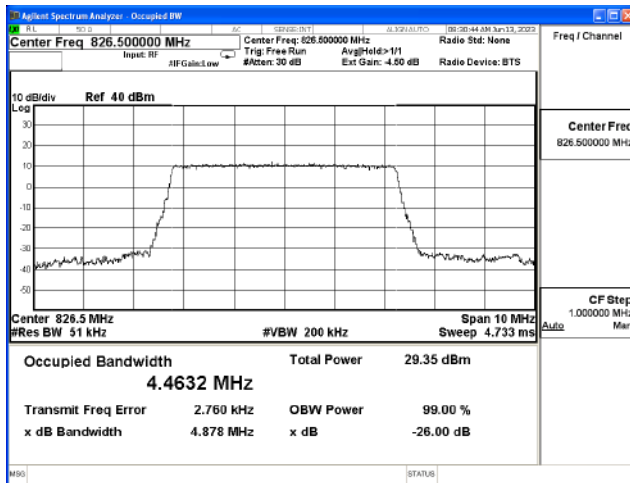
LTE Band 5_16QAM_CH20525_3 MHz_Full RB



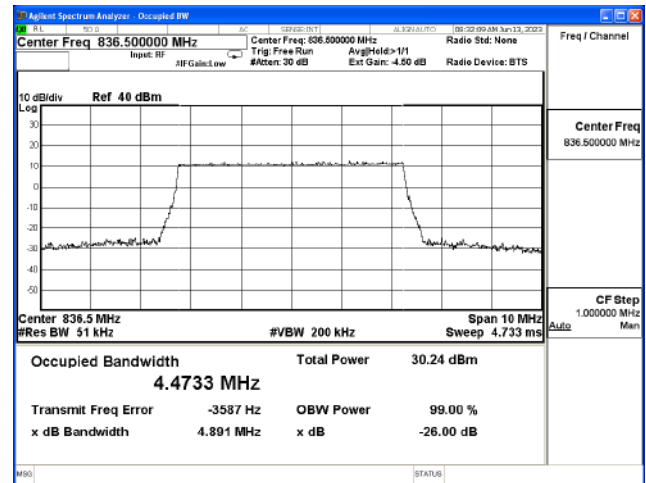
LTE Band 5_16QAM_CH20635_3 MHz_Full RB



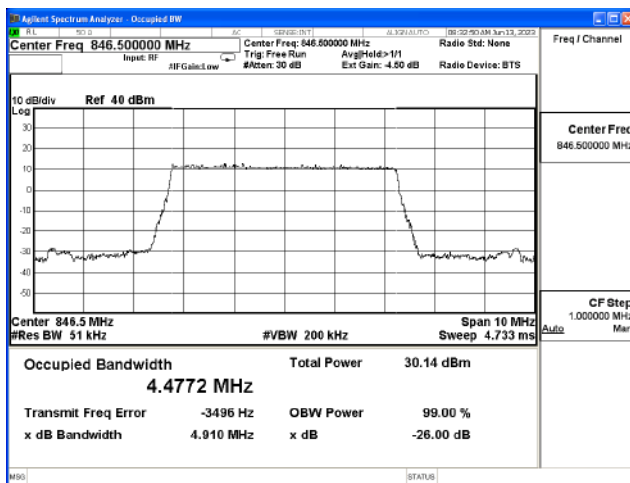
LTE Band 5_QPSK_CH20425_5 MHz_Full RB



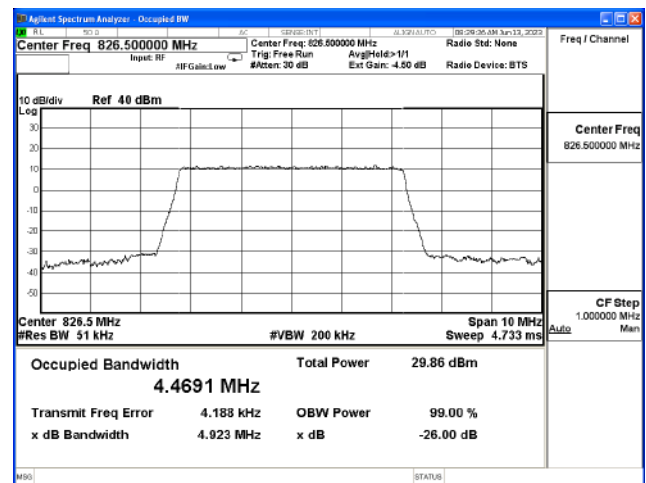
LTE Band 5_QPSK_CH20525_5 MHz_Full RB



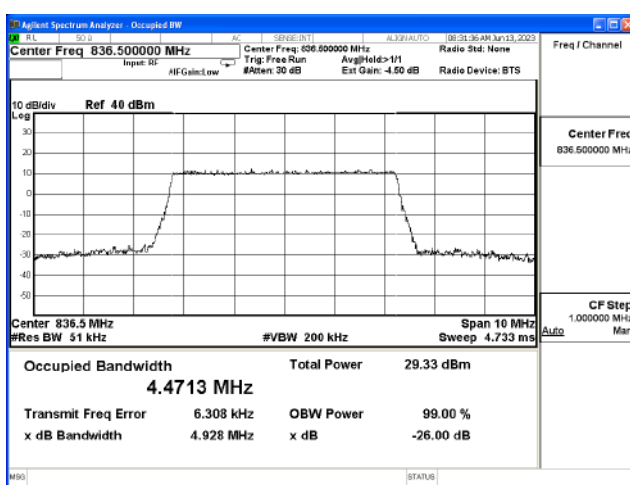
LTE Band 5_QPSK_CH20625_5 MHz_Full RB



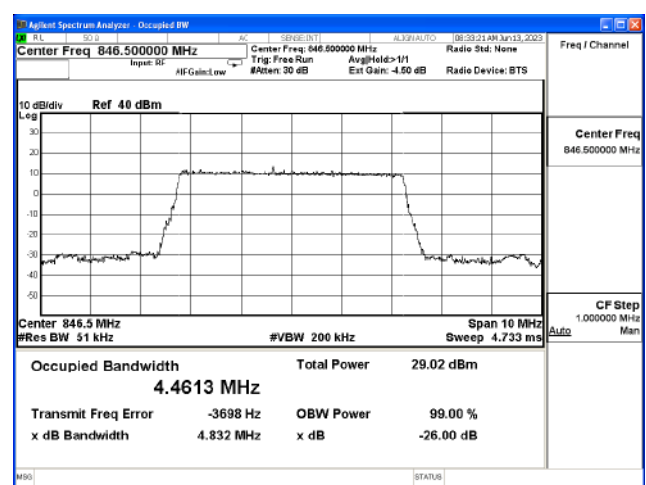
LTE Band 5_16QAM_CH20425_5 MHz_Full RB



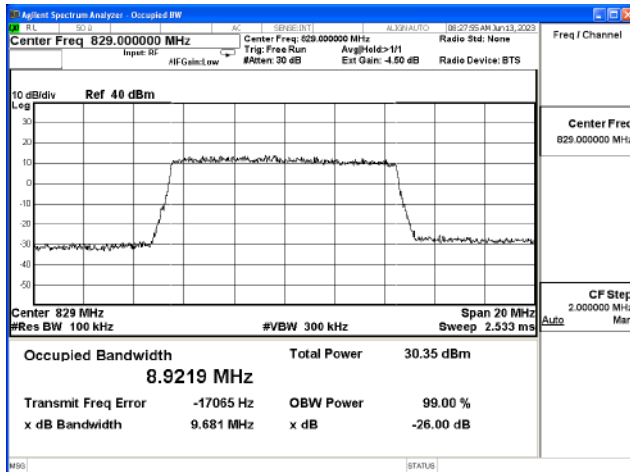
LTE Band 5_16QAM_CH20525_5 MHz_Full RB



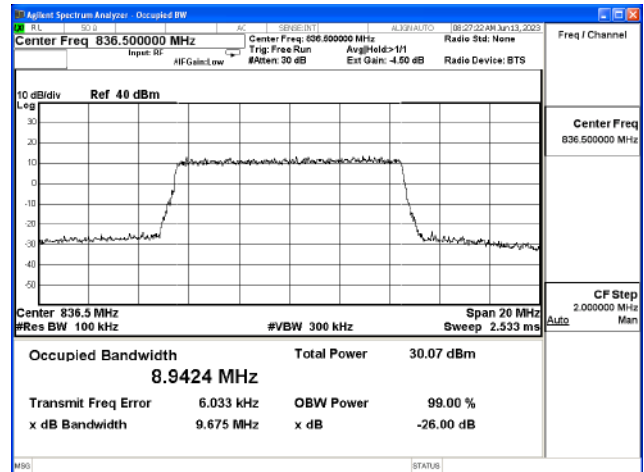
LTE Band 5_16QAM_CH20625_5 MHz_Full RB



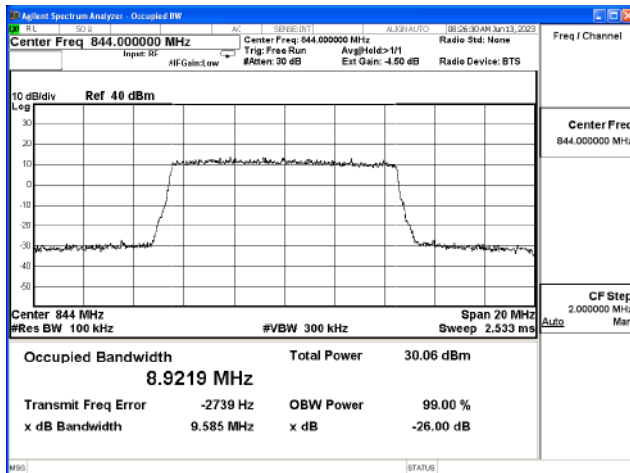
LTE Band 5_QPSK_CH20450_10 MHz_Full RB



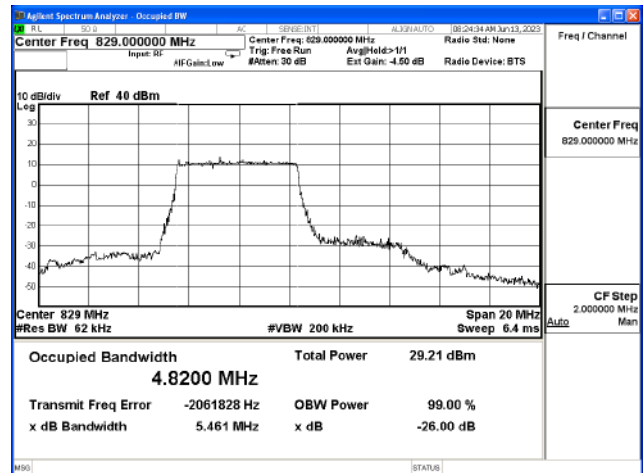
LTE Band 5_QPSK_CH20525_10 MHz_Full RB



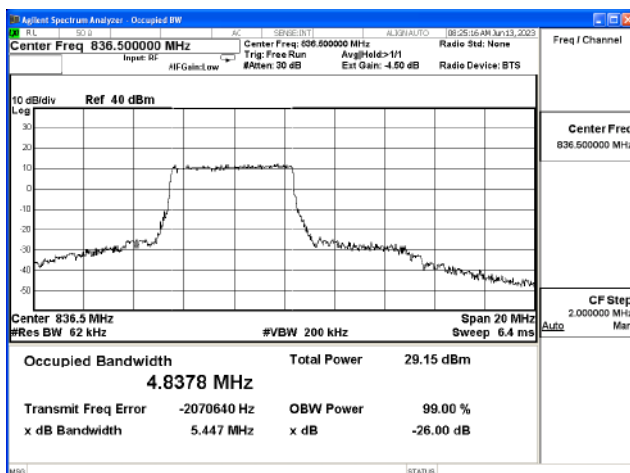
LTE Band 5_QPSK_CH20600_10 MHz_Full RB



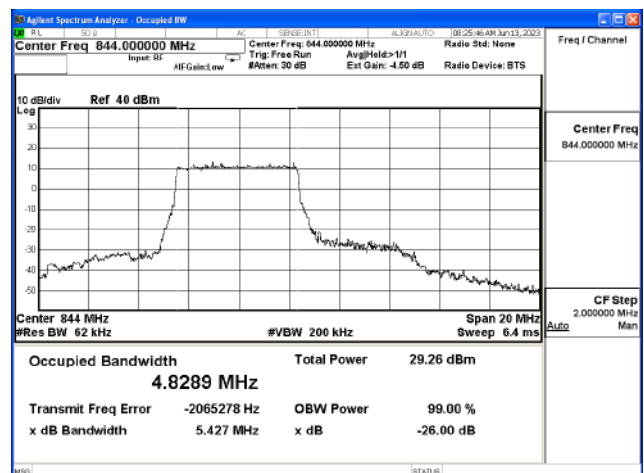
LTE Band 5_16QAM_CH20450_10 MHz_Full RB



LTE Band 5_16QAM_CH20525_10 MHz_Full RB



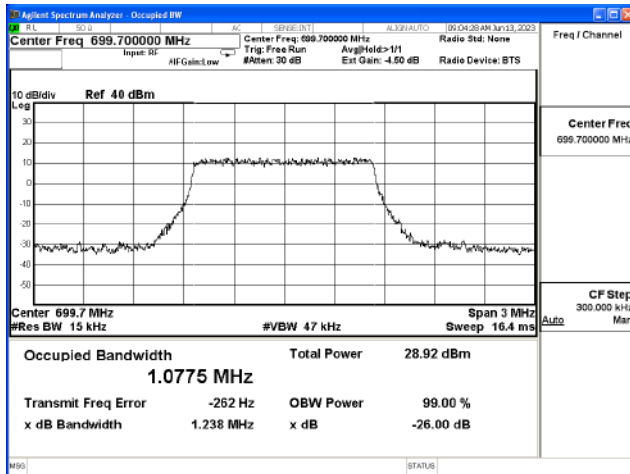
LTE Band 5_16QAM_CH20600_10 MHz_Full RB



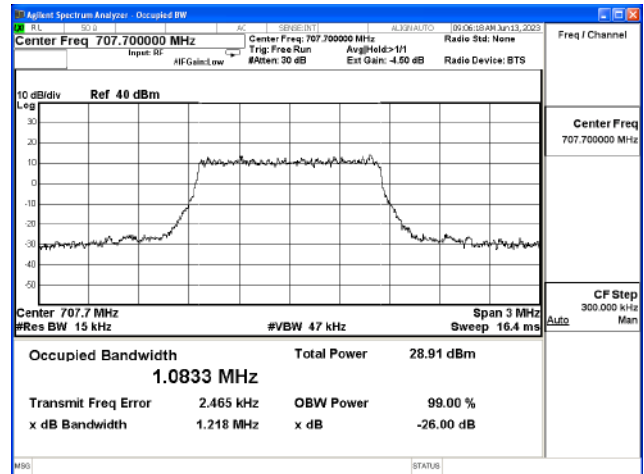
Mode 4: LTE Band 12

Bandwidth (MHz)	Modulation	Channel	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
				26dB BW	99% BW	
1.4	QPSK	23017	699.7	1.238	1.077	N/A
		23097	707.5	1.218	1.083	N/A
		23173	715.3	1.259	1.078	N/A
	16-QAM	23017	699.7	1.260	1.079	N/A
		23097	707.5	1.242	1.080	N/A
		23173	715.3	1.232	1.075	N/A
3	QPSK	23025	700.5	2.924	2.683	N/A
		23095	707.5	2.916	2.681	N/A
		23165	714.5	2.921	2.682	N/A
	16-QAM	23025	700.5	2.906	2.677	N/A
		23095	707.5	2.919	2.682	N/A
		23165	714.5	2.917	2.681	N/A
5	QPSK	23035	710.5	4.926	4.475	N/A
		23095	707.5	4.861	4.453	N/A
		23155	713.5	4.905	4.478	N/A
	16-QAM	23035	710.5	4.887	4.463	N/A
		23095	707.5	4.918	4.466	N/A
		23155	713.5	4.879	4.464	N/A
10	QPSK	23060	704.0	9.611	8.956	N/A
		23095	707.5	9.720	8.940	N/A
		23130	711.0	9.520	8.898	N/A
	16-QAM	23060	704.0	5.530	4.844	N/A
		23095	707.5	5.466	4.842	N/A
		23130	711.0	5.458	4.832	N/A

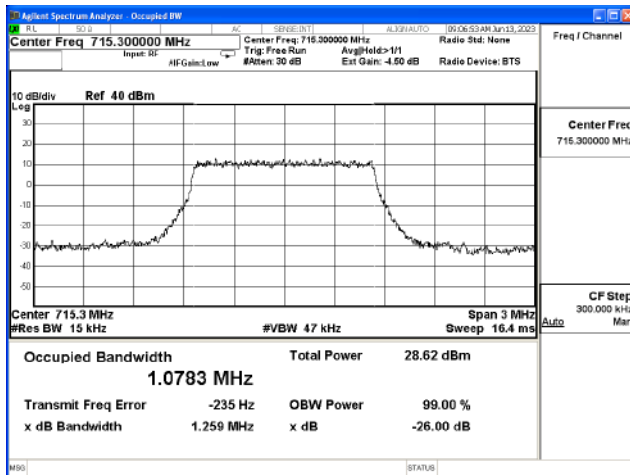
LTE Band 12_QPSK_CH23017_1.4 MHz_Full RB



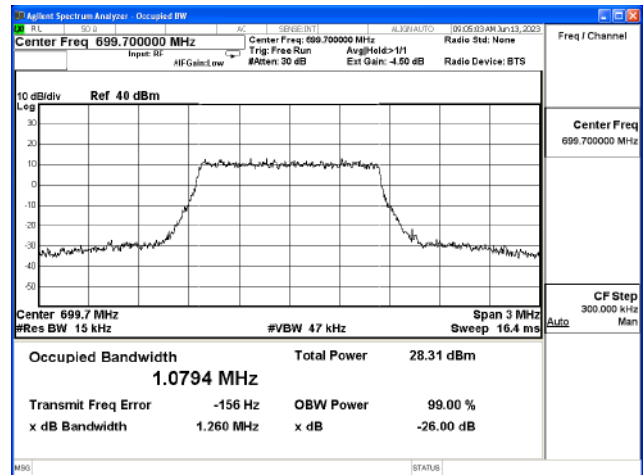
LTE Band 12_QPSK_CH23097_1.4 MHz_Full RB



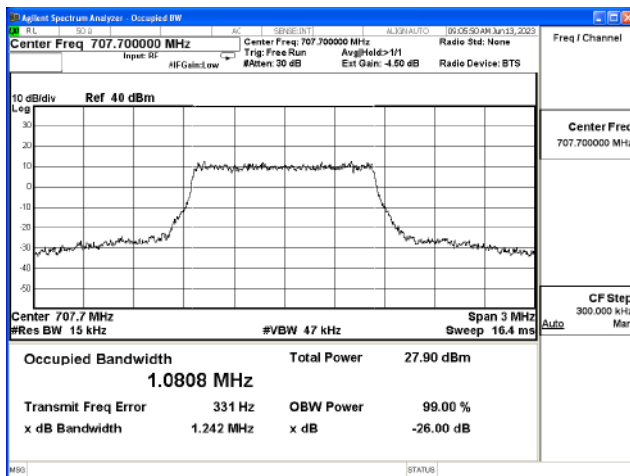
LTE Band 12_QPSK_CH23173_1.4 MHz_Full RB



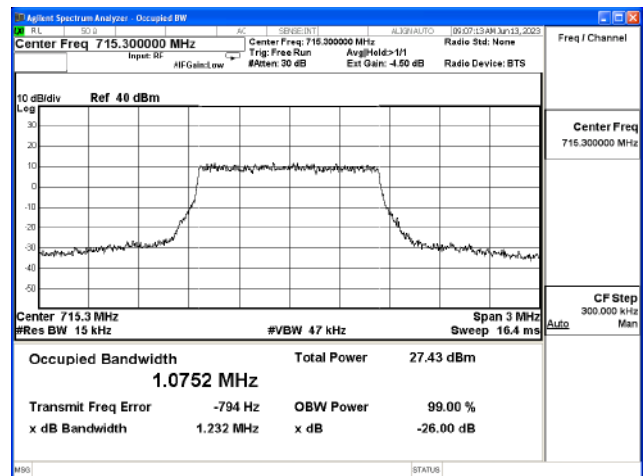
LTE Band 12_16QAM_CH23017_1.4 MHz_Full RB



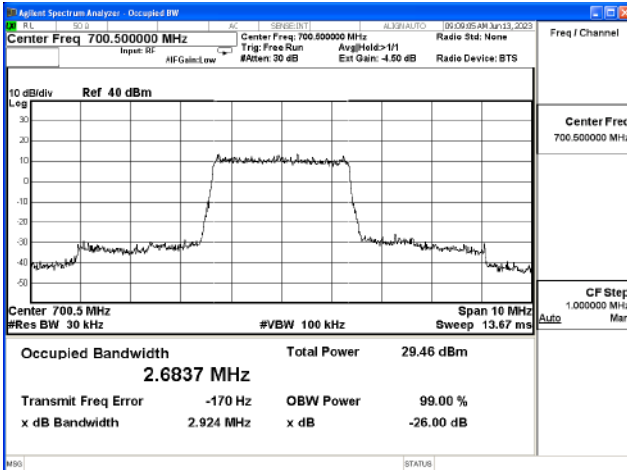
LTE Band 12_16QAM_CH23097_1.4 MHz_Full RB



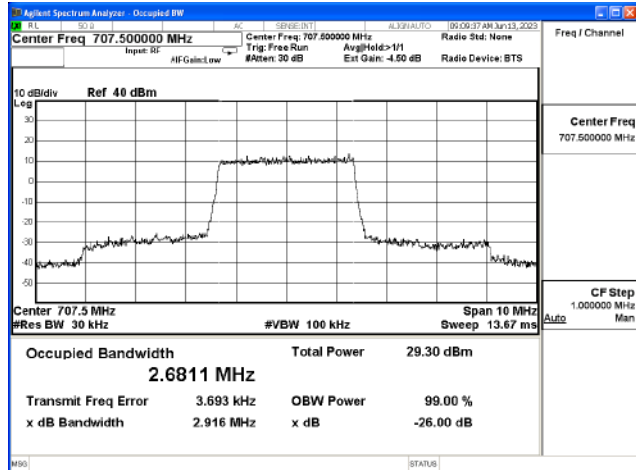
LTE Band 12_16QAM_CH23173_1.4 MHz_Full RB



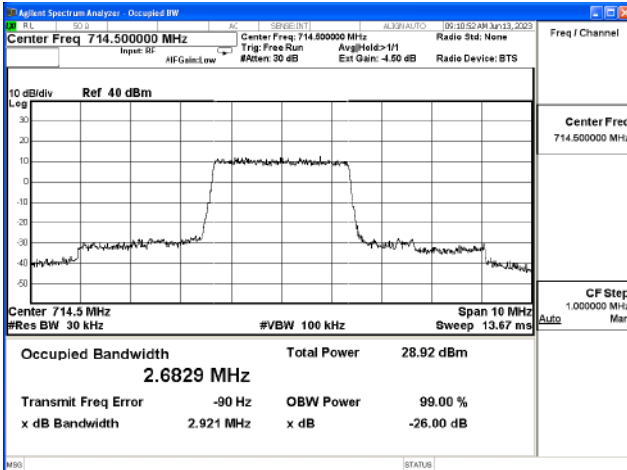
LTE Band 12_QPSK_CH23025_3 MHz_Full RB



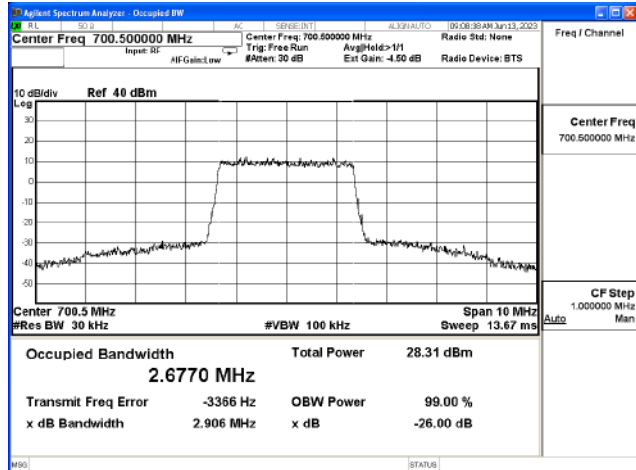
LTE Band 12_QPSK_CH23095_3 MHz_Full RB



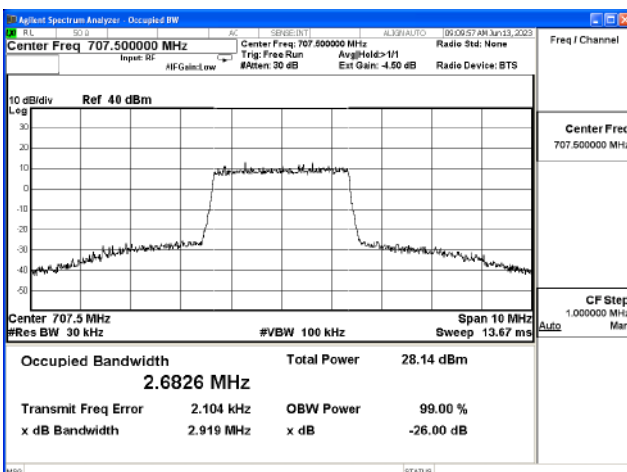
LTE Band 12_QPSK_CH23165_3 MHz_Full RB



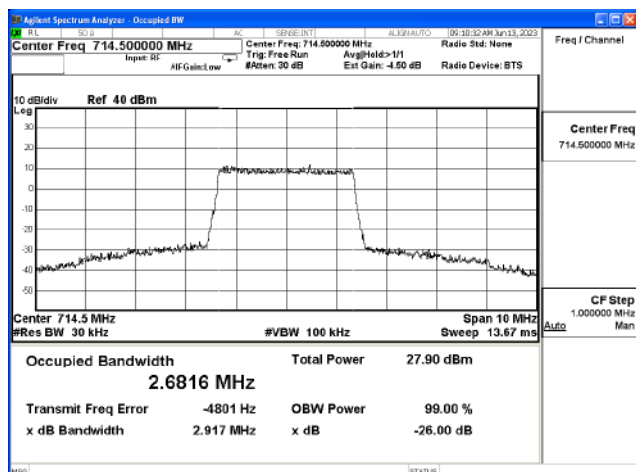
LTE Band 12_16QAM_CH23025_3 MHz_Full RB



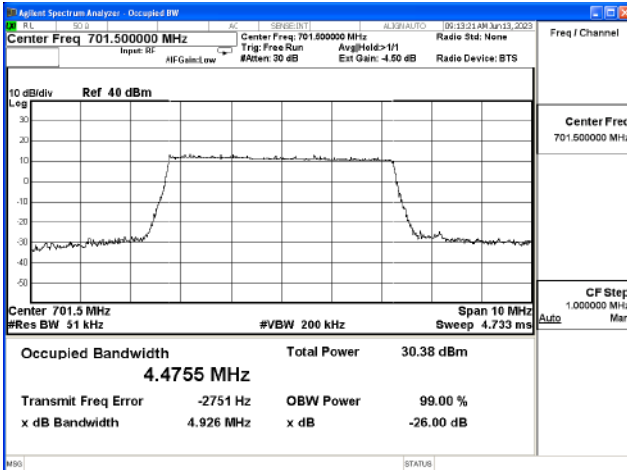
LTE Band 12_16QAM_CH23095_3 MHz_Full RB



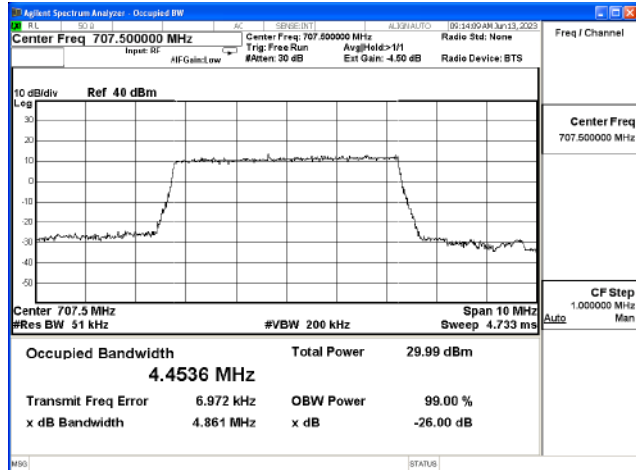
LTE Band 12_16QAM_CH23165_3 MHz_Full RB



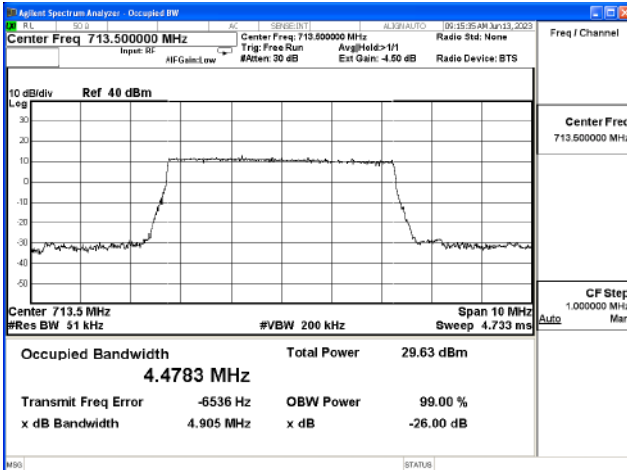
LTE Band 12_QPSK_CH23035_5 MHz_Full RB



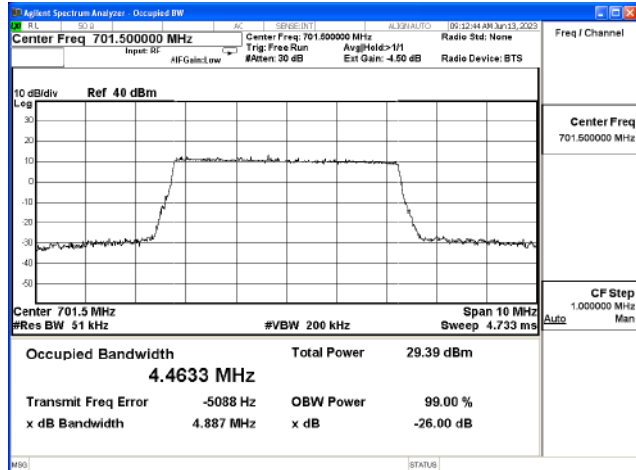
LTE Band 12_QPSK_CH23095_5 MHz_Full RB



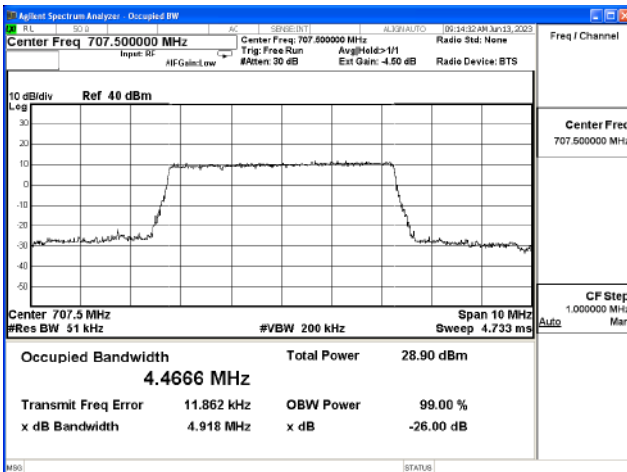
LTE Band 12_QPSK_CH23155_5 MHz_Full RB



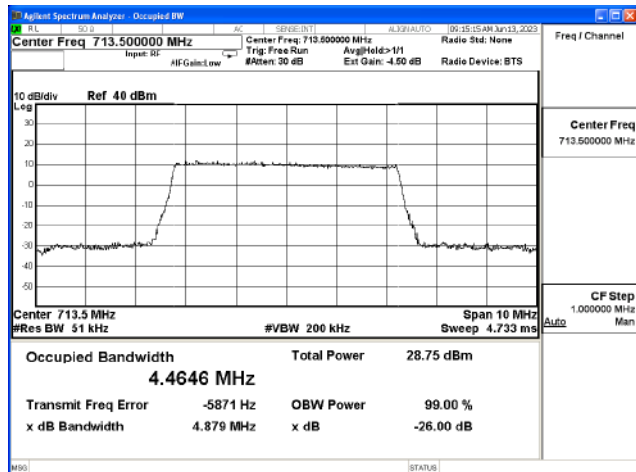
LTE Band 12_16QAM_CH23035_5 MHz_Full RB



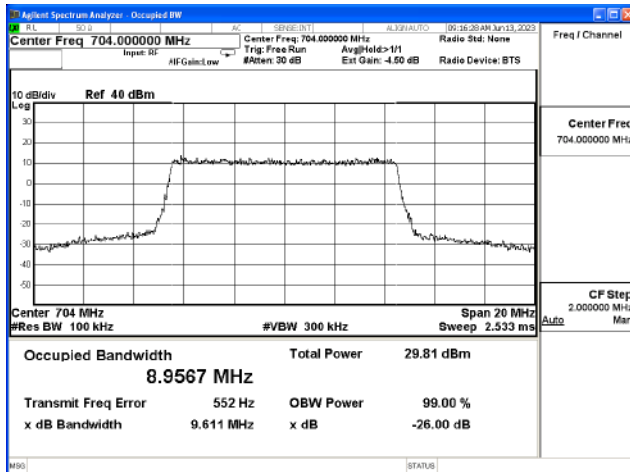
LTE Band 12_16QAM_CH23095_5 MHz_Full RB



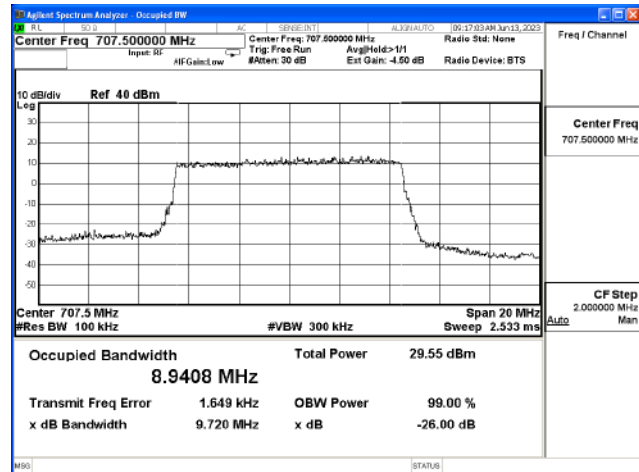
LTE Band 12_16QAM_CH23155_5 MHz_Full RB



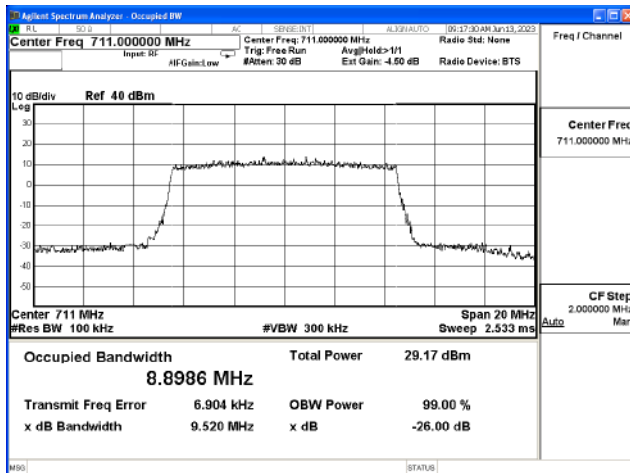
LTE Band 12_QPSK_CH23060_10 MHz_Full RB



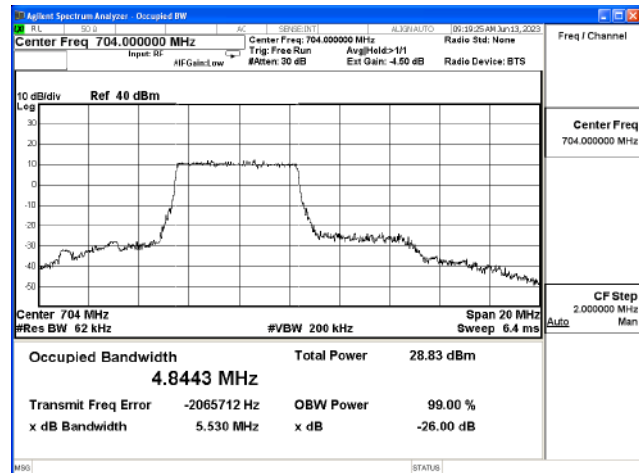
LTE Band 12_QPSK_CH23095_10 MHz_Full RB



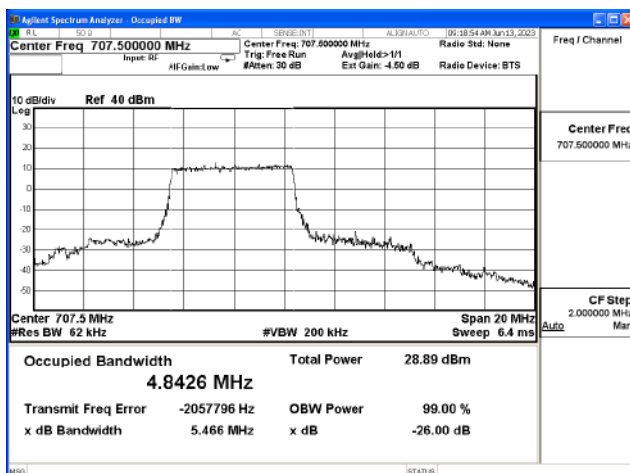
LTE Band 12_QPSK_CH23130_10 MHz_Full RB



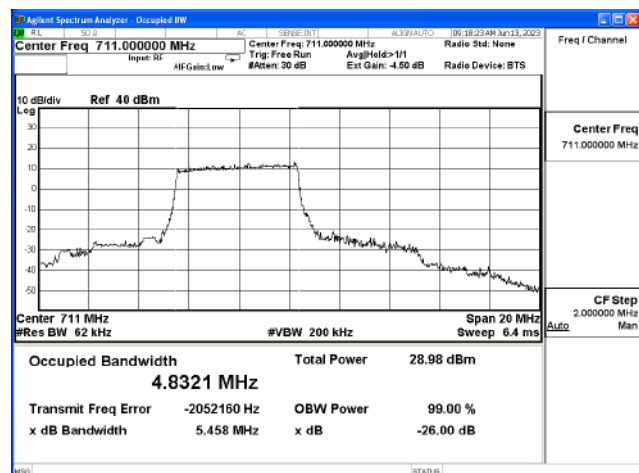
LTE Band 12_16QAM_CH23060_10 MHz_Full RB



LTE Band 12_16QAM_CH23095_10 MHz_Full RB



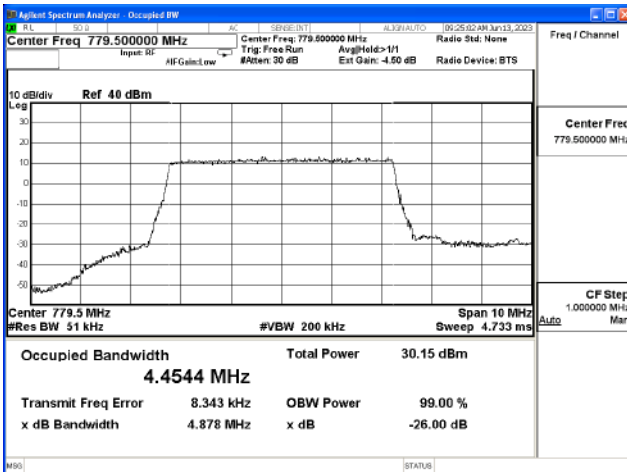
LTE Band 12_16QAM_CH23130_10 MHz_Full RB



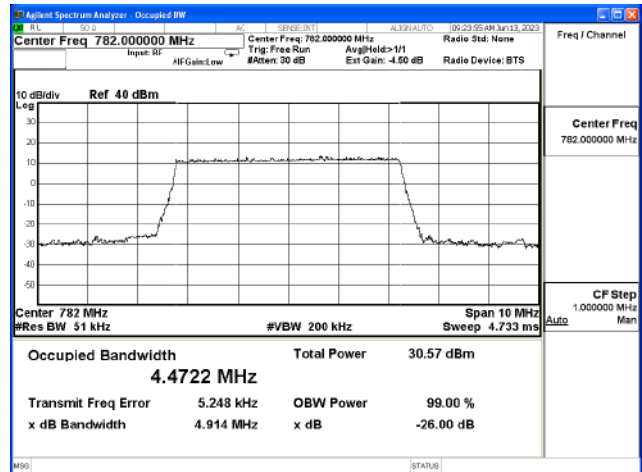
Mode 5: LTE Band 13

Bandwidth (MHz)	Modulation	Channel	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
				26dB BW	99% BW	
5	QPSK	23205	779.5	4.878	4.454	N/A
		23230	782	4.914	4.472	N/A
		23255	784.5	4.909	4.459	N/A
	16-QAM	23205	779.5	4.957	4.461	N/A
		23230	782	4.887	4.464	N/A
		23255	784.5	4.921	4.468	N/A
10	QPSK	23230	782	9.662	8.912	N/A
	16-QAM	23230	782	5.432	4.825	N/A

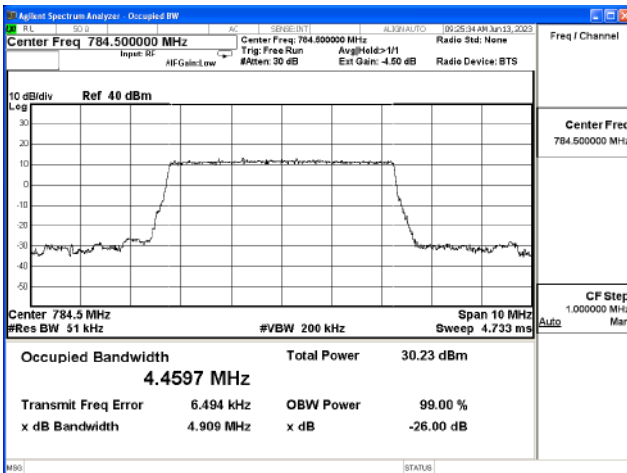
LTE Band 13_QPSK_CH23205_5 MHz_Full RB



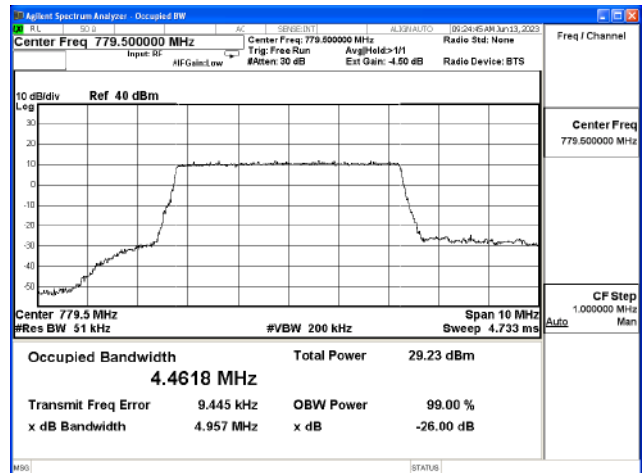
LTE Band 13_QPSK_CH23230_5 MHz_Full RB



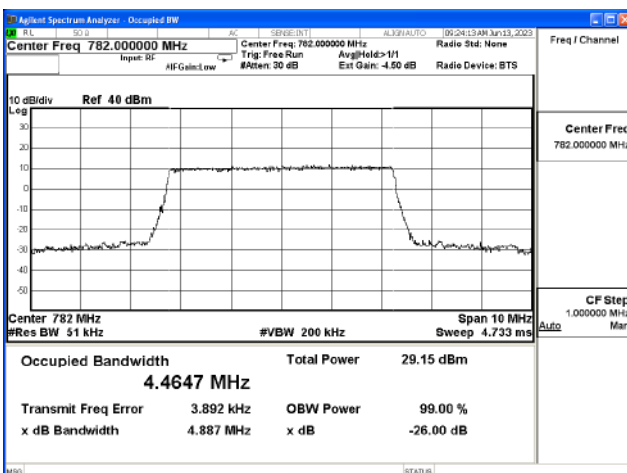
LTE Band 13_QPSK_CH23255_5 MHz_Full RB



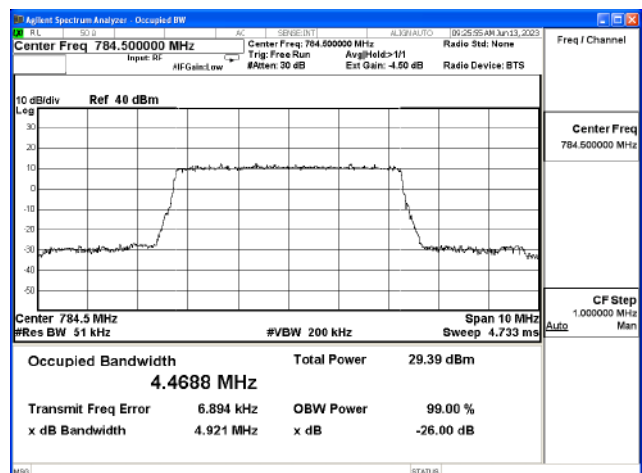
LTE Band 13_16QAM_CH23205_5 MHz_Full RB



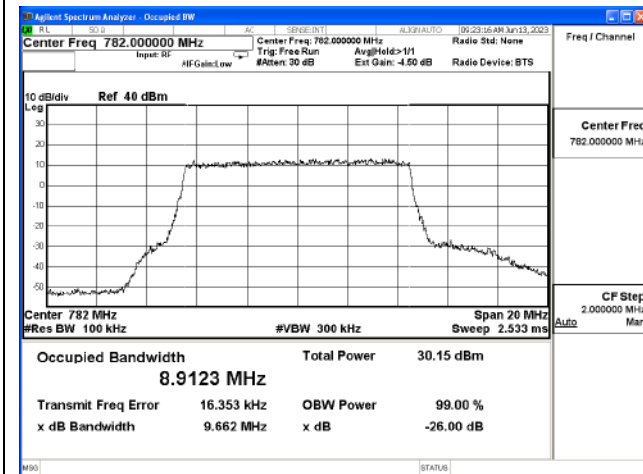
LTE Band 13_16QAM_CH23230_5 MHz_Full RB



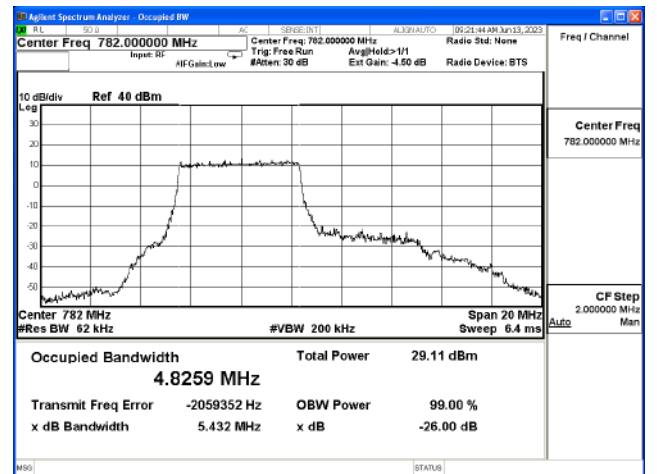
LTE Band 13_16QAM_CH23255_5 MHz_Full RB



LTE Band 13_QPSK_CH23230_10 MHz_Full RB



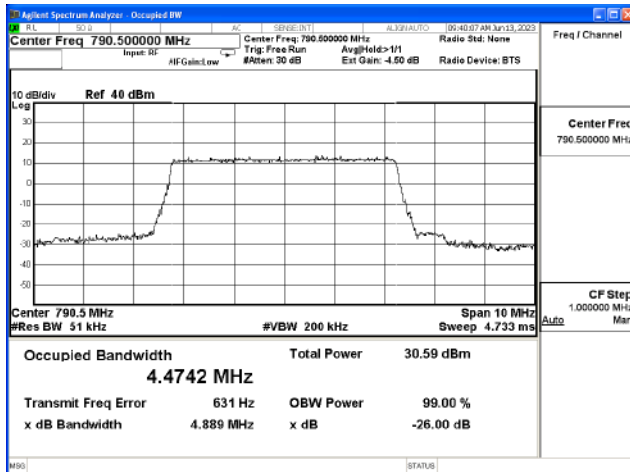
LTE Band 13_16QAM_CH23230_10 MHz_Full RB



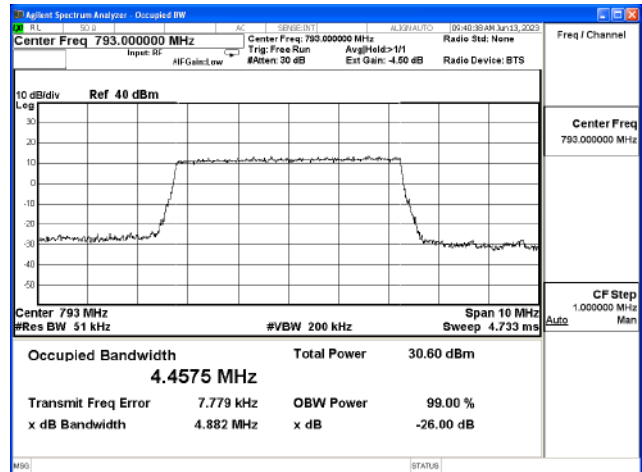
Mode 6: LTE Band 14

Bandwidth (MHz)	Modulation	Channel	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
				26dB BW	99% BW	
5	QPSK	23305	790.5	4.889	4.474	N/A
		23330	793	4.882	4.457	N/A
		23355	795.5	4.886	4.456	N/A
	16-QAM	23305	790.5	4.900	4.466	N/A
		23330	793	4.905	4.464	N/A
		23355	795.5	4.913	4.469	N/A
10	QPSK	23330	793	9.712	8.937	N/A
	16-QAM	23330	793	5.411	4.834	N/A

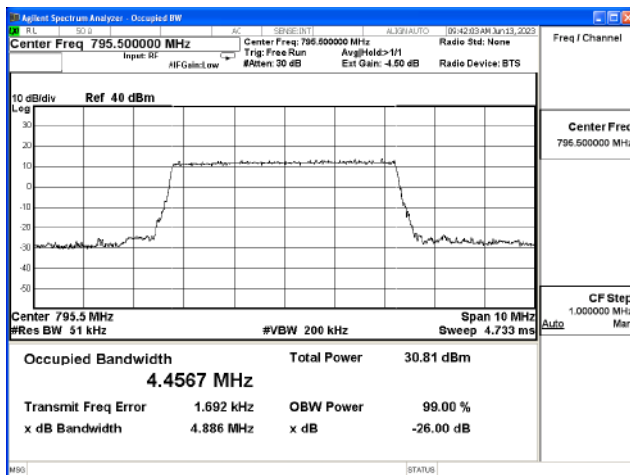
LTE Band 14_QPSK_CH23305_5 MHz_Full RB



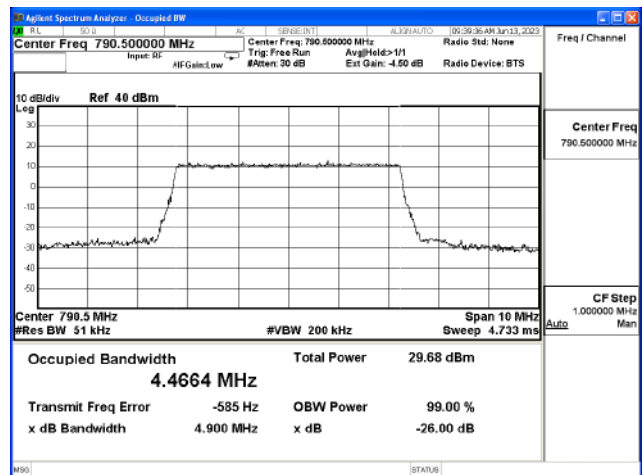
LTE Band 14_QPSK_CH23330_5 MHz_Full RB



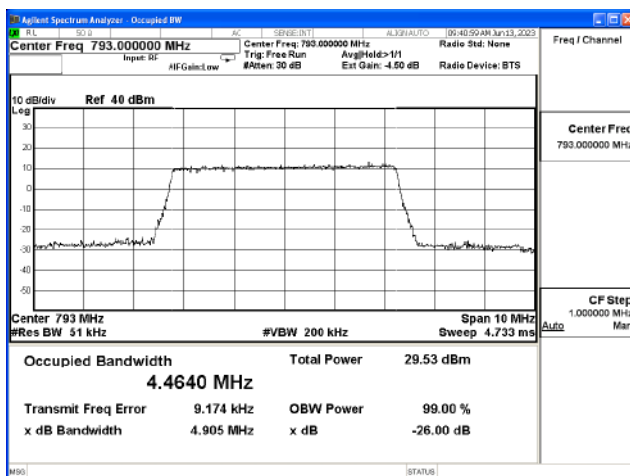
LTE Band 14_QPSK_CH23355_5 MHz_Full RB



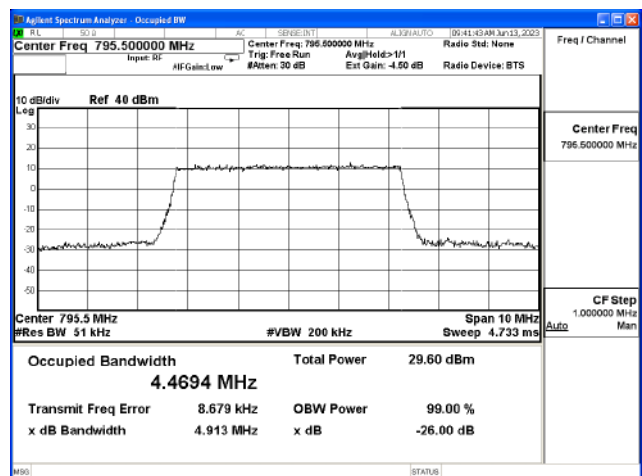
LTE Band 14_16QAM_CH23305_5 MHz_Full RB



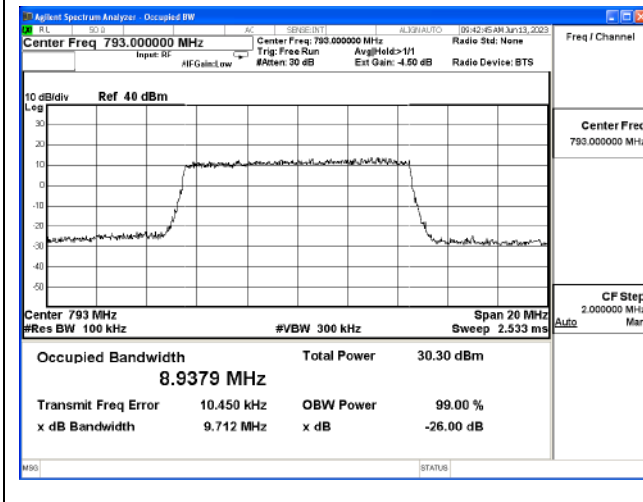
LTE Band 14_16QAM_CH23330_5 MHz_Full RB



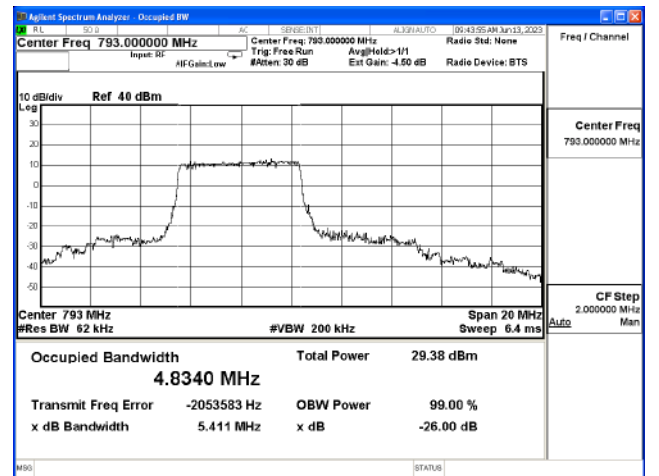
LTE Band 14_16QAM_CH23355_5 MHz_Full RB



LTE Band 14_QPSK_CH23330_10 MHz_Full RB

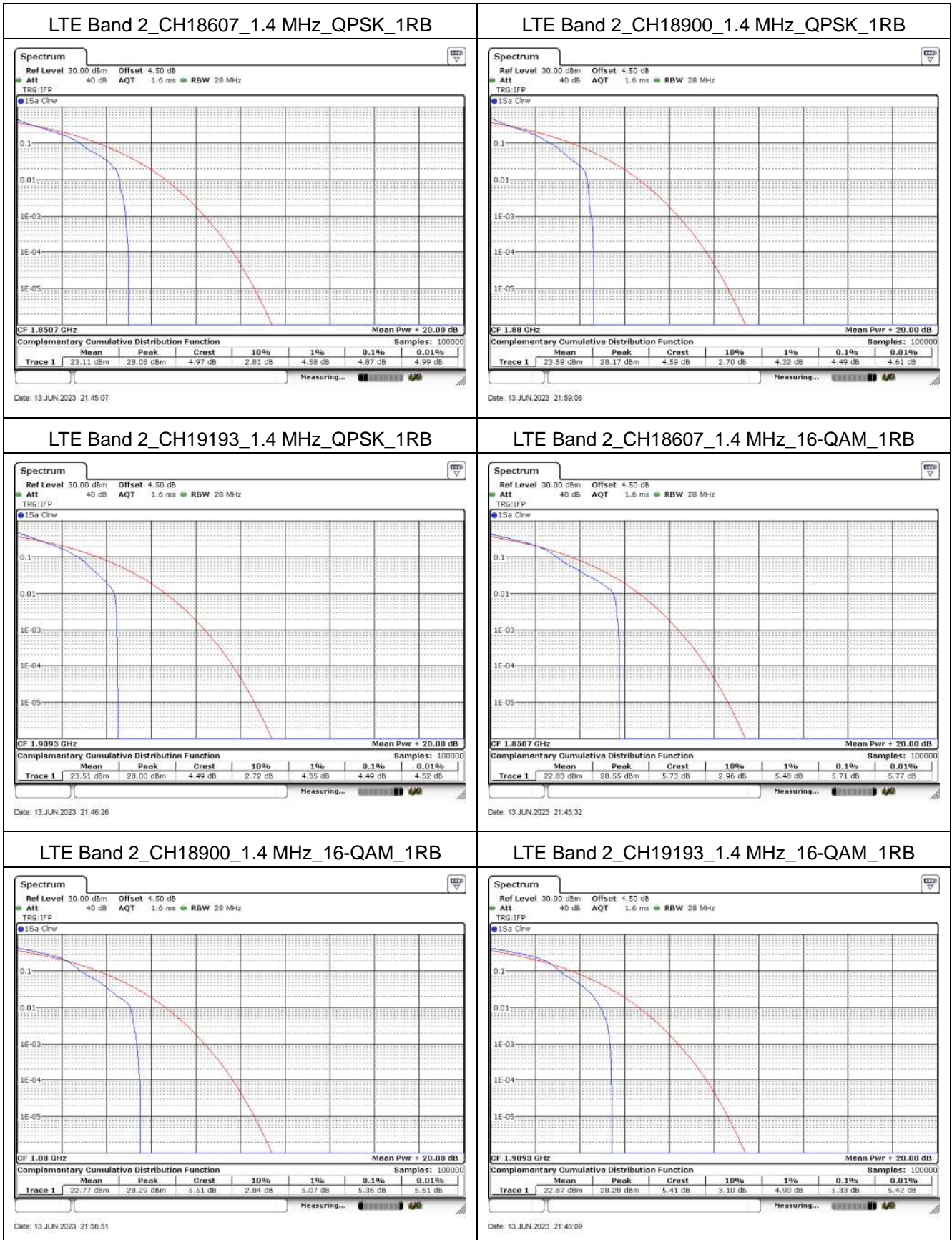


LTE Band 14_16QAM_CH23330_10 MHz_Full RB

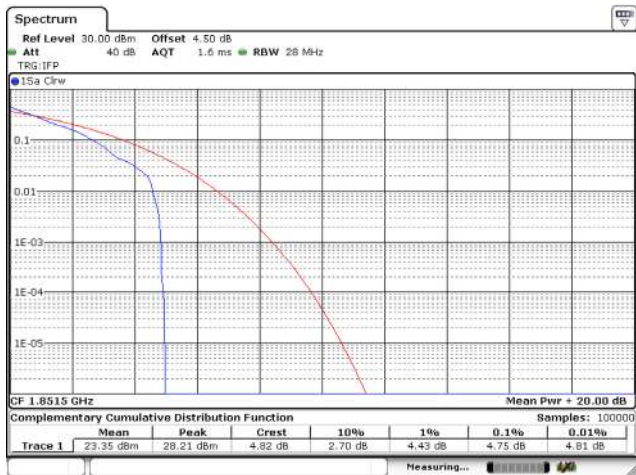


Appendix C. Test Result of Peak to Average Power Ratio

Mode 1: LTE Band 2

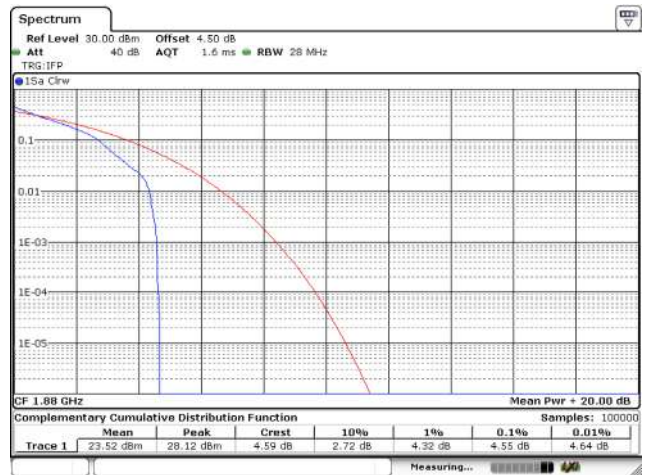


LTE Band 2_CH18615_3 MHz_QPSK_1RB



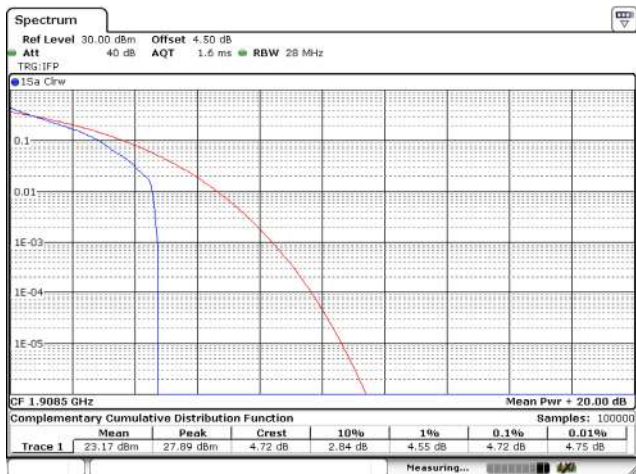
Date: 13 JUN 2023 21:46:52

LTE Band 2_CH18900_3 MHz_QPSK_1RB



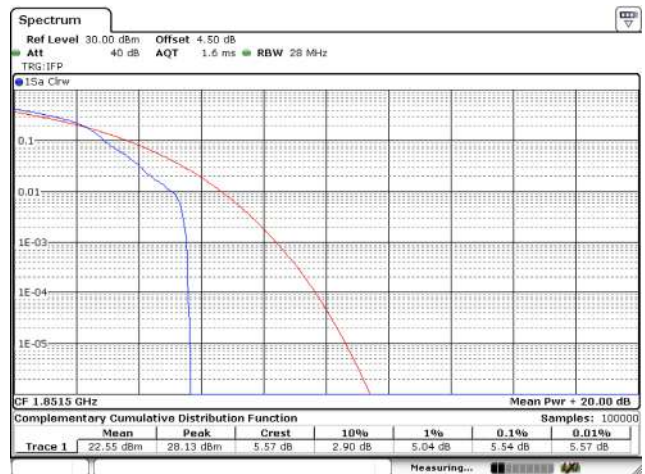
Date: 13 JUN 2023 21:58:17

LTE Band 2_CH19185_3 MHz_QPSK_1RB



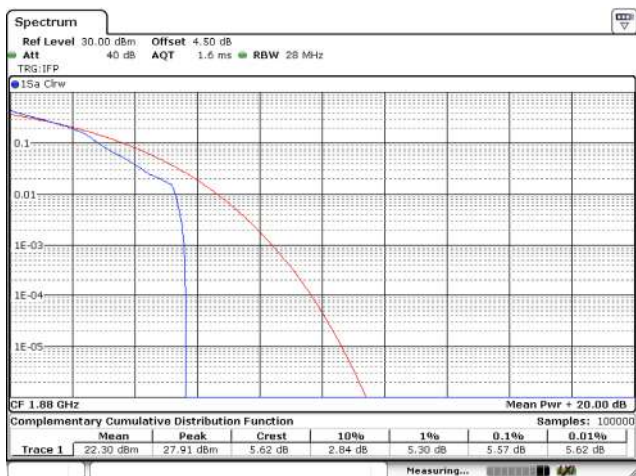
Date: 13 JUN 2023 21:48:17

LTE Band 2_CH18615_3 MHz_16-QAM_1RB



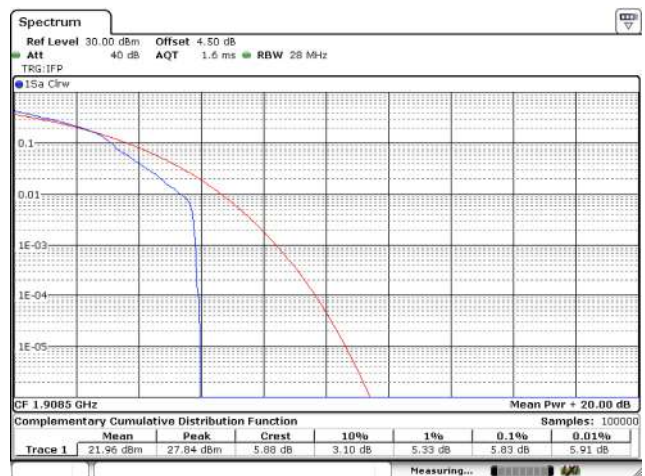
Date: 13 JUN 2023 21:47:12

LTE Band 2_CH18900_3 MHz_16-QAM_1RB



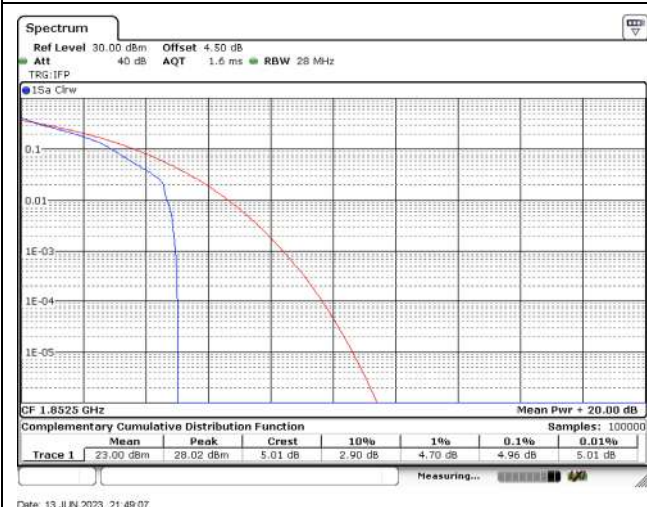
Date: 13 JUN 2023 21:58:32

LTE Band 2_CH19185_3 MHz_16-QAM_1RB



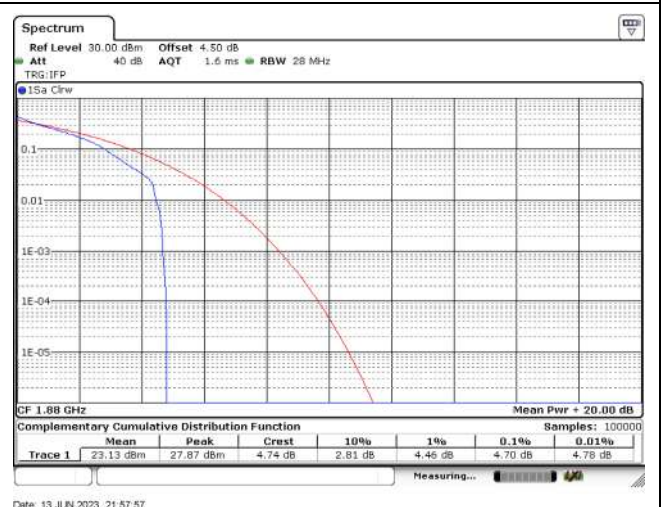
Date: 13 JUN 2023 21:47:59

LTE Band 2_CH18625_5 MHz_QPSK_1RB



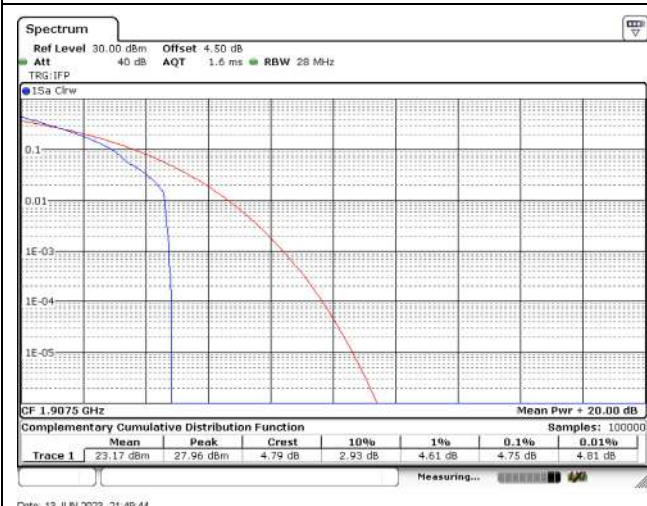
Date: 13 JUN 2023 21:49:07

LTE Band 2_CH18900_5 MHz_QPSK_1RB



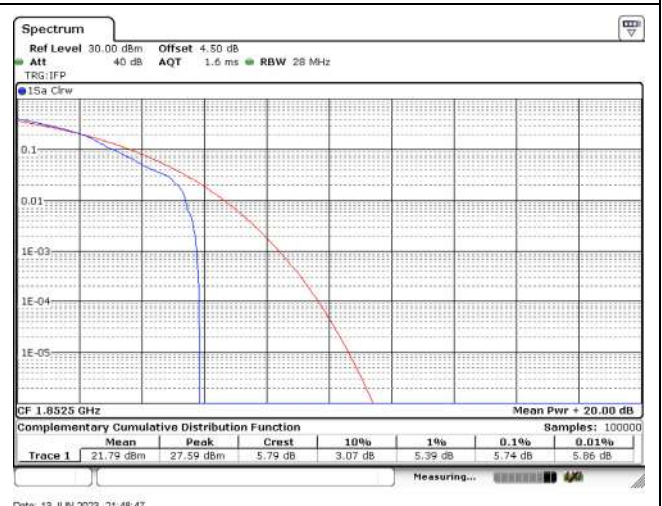
Date: 13 JUN 2023 21:57:57

LTE Band 2_CH19175_5 MHz_QPSK_1RB



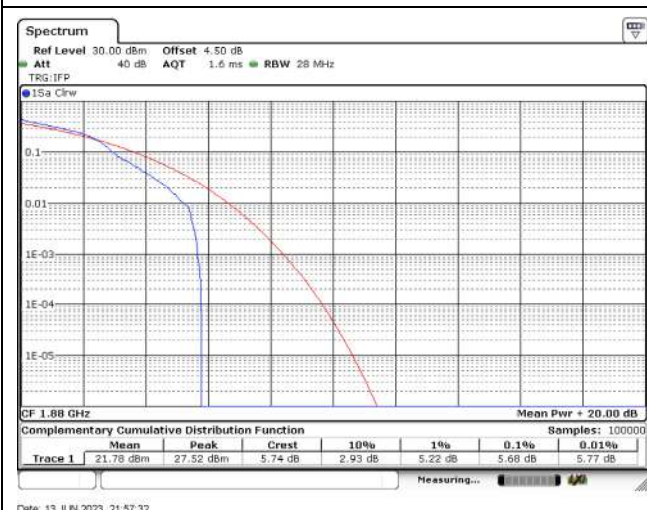
Date: 13 JUN 2023 21:49:44

LTE Band 2_CH18625_5 MHz_16-QAM_1RB



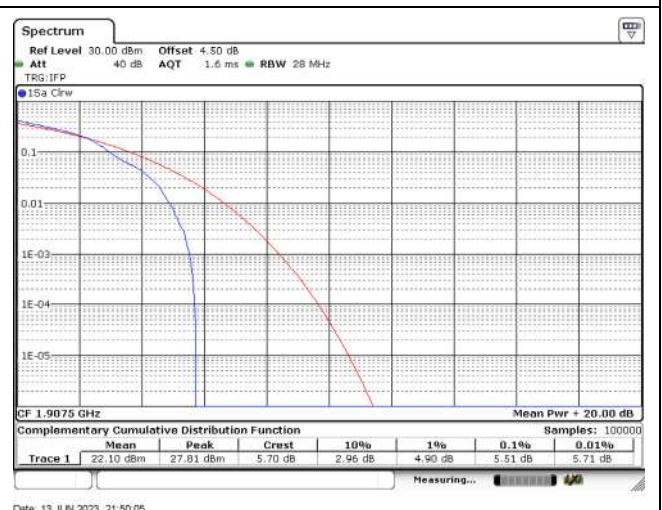
Date: 13 JUN 2023 21:48:47

LTE Band 2_CH18900_5 MHz_16-QAM_1RB



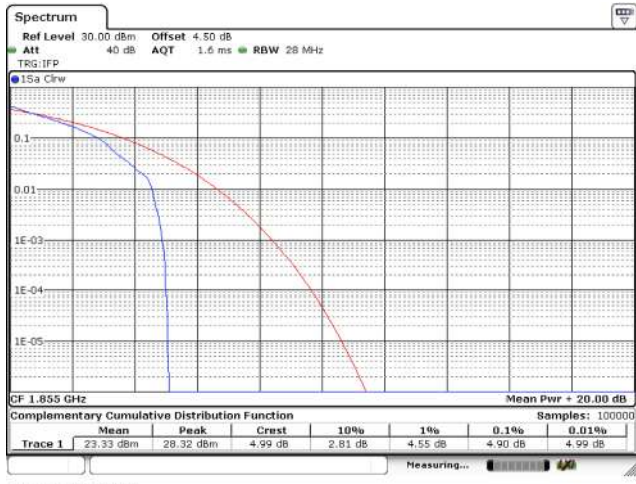
Date: 13 JUN 2023 21:57:32

LTE Band 2_CH19175_5 MHz_16-QAM_1RB



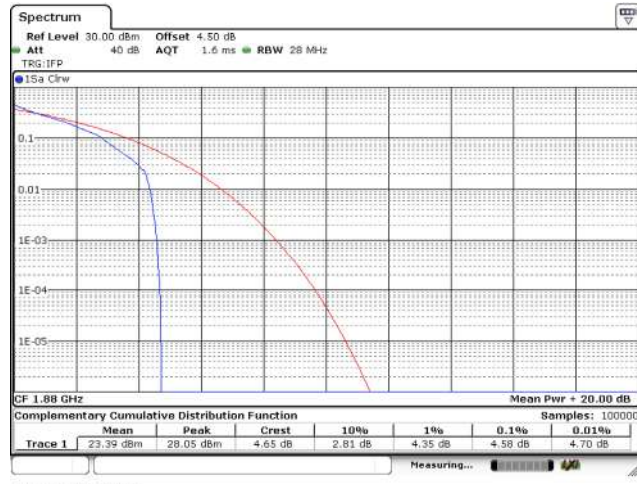
Date: 13 JUN 2023 21:50:05

LTE Band 2_CH18650_10 MHz_QPSK_1RB



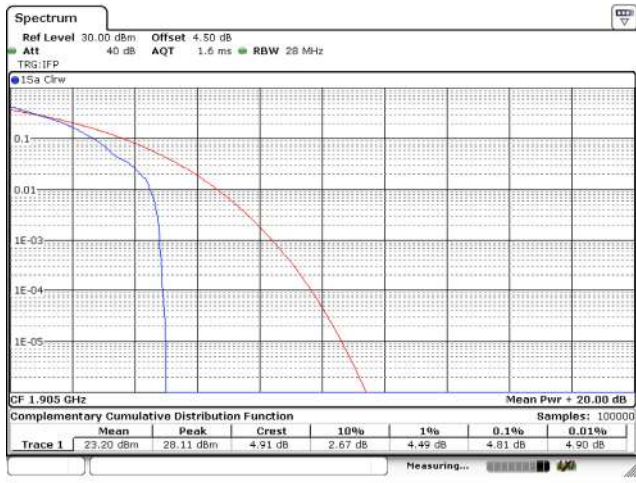
Date: 13 JUN 2023 21:50:43

LTE Band 2_CH18900_10 MHz_QPSK_1RB



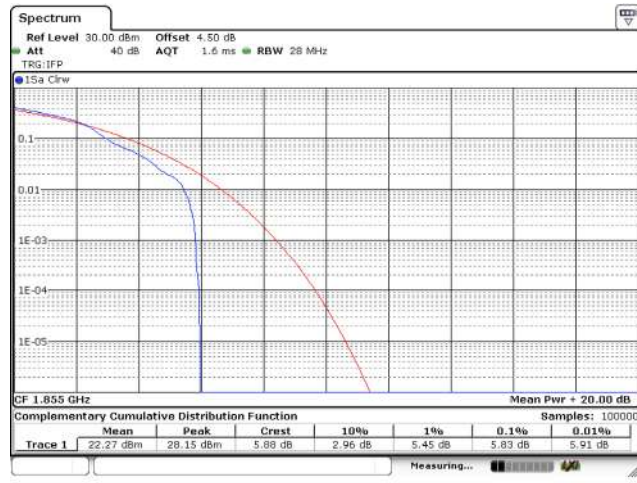
Date: 13 JUN 2023 21:57:01

LTE Band 2_CH19150_10 MHz_QPSK_1RB



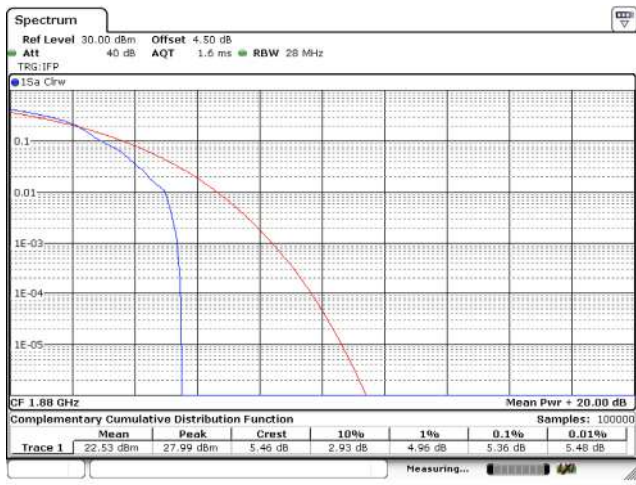
Date: 13 JUN 2023 21:51:44

LTE Band 2_CH18650_10 MHz_16-QAM_1RB



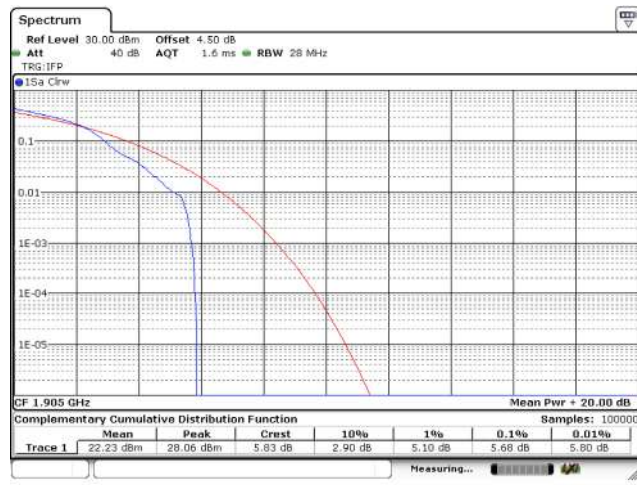
Date: 13 JUN 2023 21:51:03

LTE Band 2_CH18900_10 MHz_16-QAM_1RB



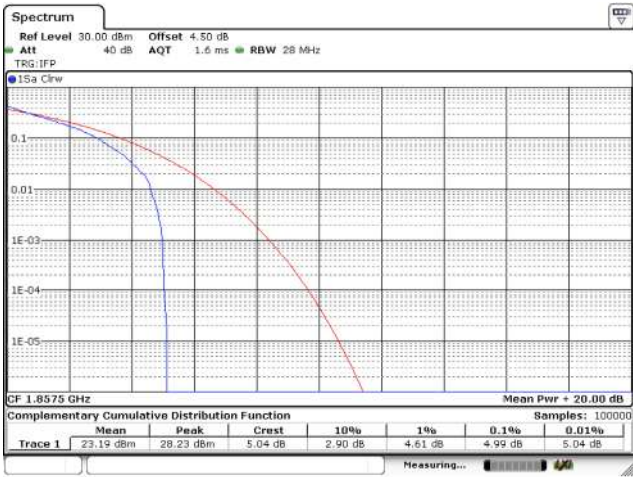
Date: 13 JUN 2023 21:57:17

LTE Band 2_CH19150_10 MHz_16-QAM_1RB



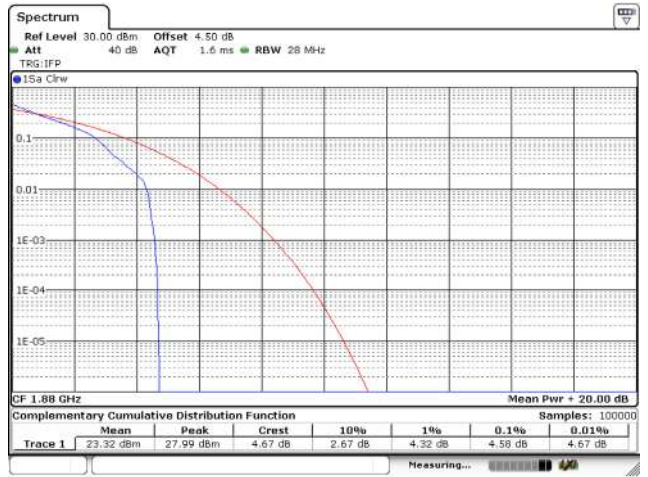
Date: 13 JUN 2023 21:51:28

LTE Band 2_CH18675_15 MHz_QPSK_1RB



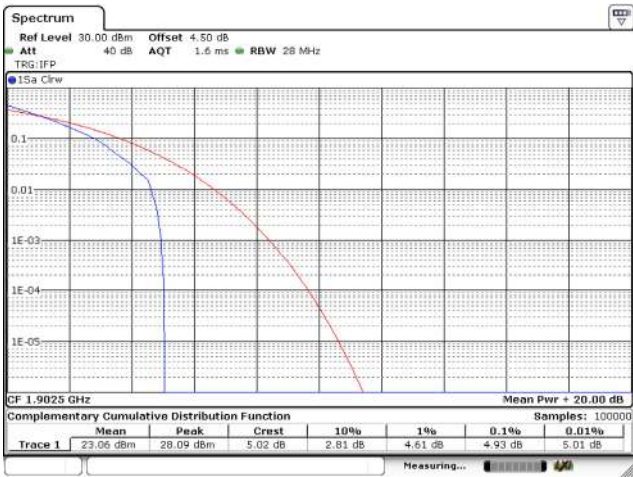
Date: 13 JUN 2023 21:52:37

LTE Band 2_CH18900_15 MHz_QPSK_1RB



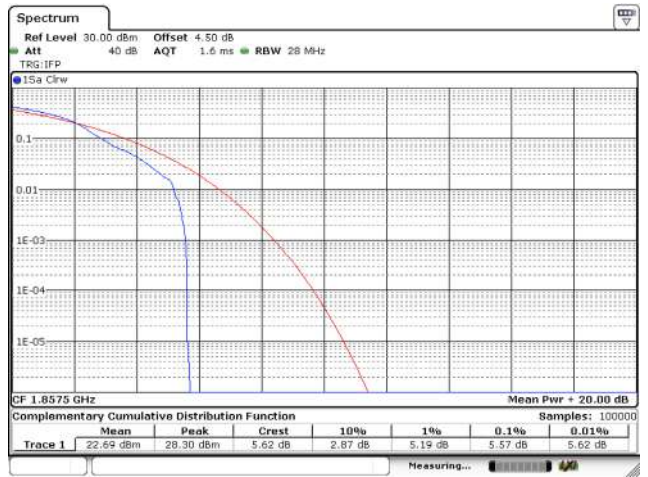
Date: 13 JUN 2023 21:56:45

LTE Band 2_CH19125_15 MHz_QPSK_1RB



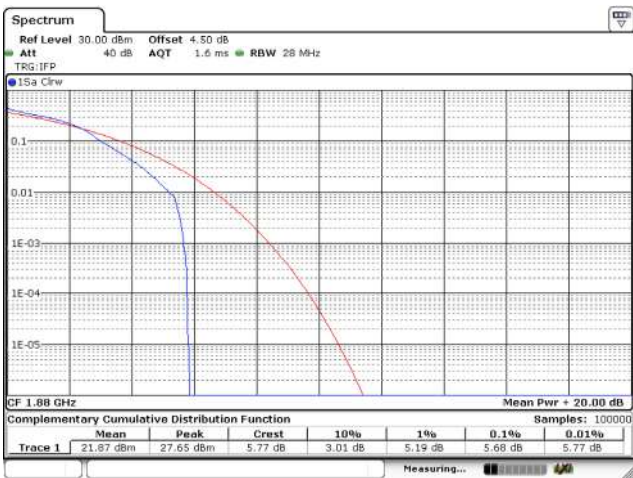
Date: 13 JUN 2023 21:53:07

LTE Band 2_CH18675_15 MHz_16-QAM_1RB



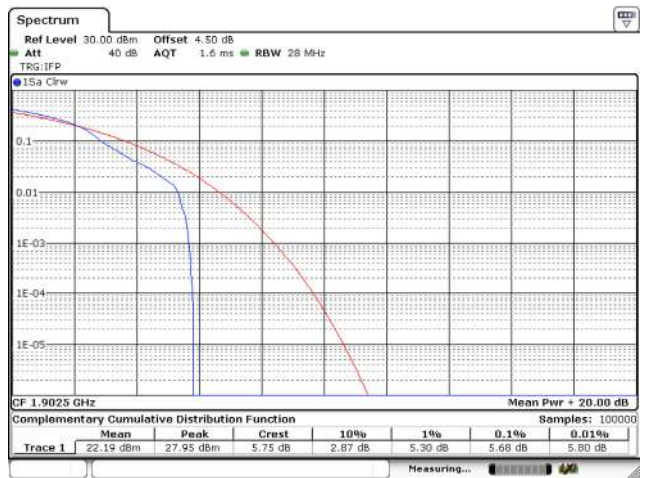
Date: 13 JUN 2023 21:52:20

LTE Band 2_CH18900_15 MHz_16-QAM_1RB0



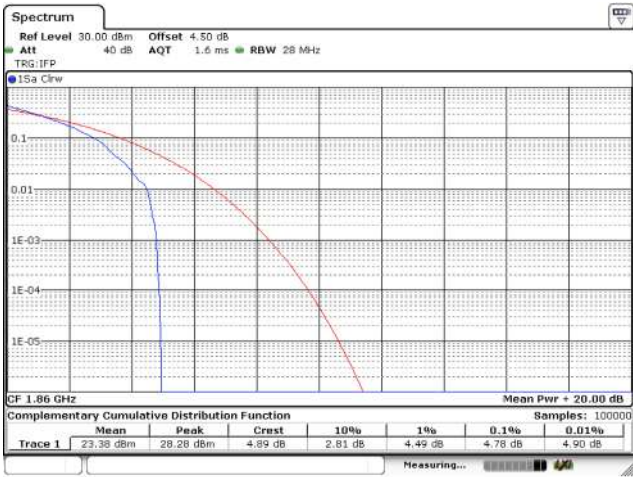
Date: 13 JUN 2023 21:56:29

LTE Band 2_CH19125_15 MHz_16-QAM_1RB74



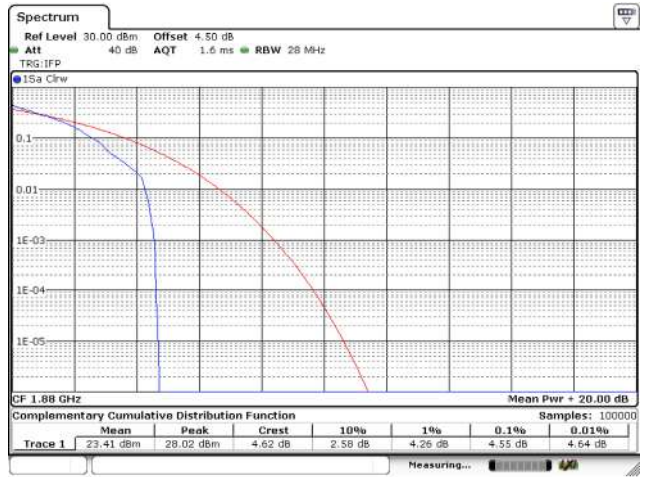
Date: 13 JUN 2023 21:53:24

LTE Band 2_CH18700_20 MHz_QPSK_1RB



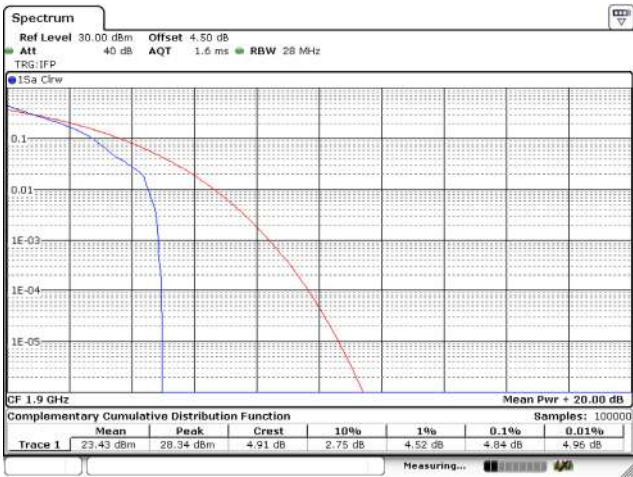
Date: 13 JUN.2023 21:54:22

LTE Band 2_CH18900_20 MHz_QPSK_1RB



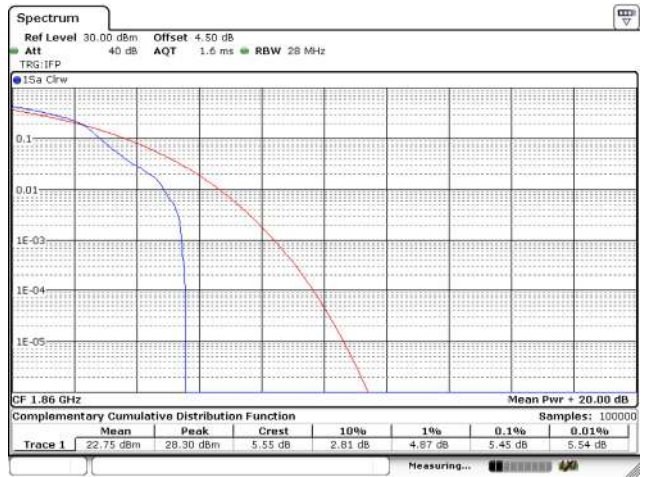
Date: 13 JUN.2023 21:55:54

LTE Band 2_CH19100_20 MHz_QPSK_1RB



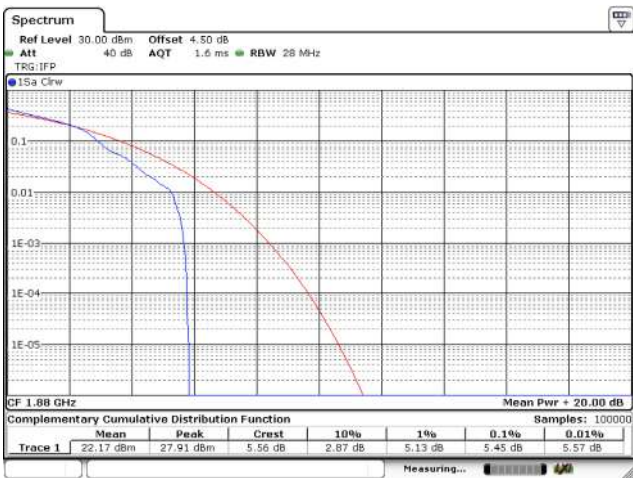
Date: 13 JUN.2023 21:54:46

LTE Band 2_CH18700_20 MHz_16-QAM_1RB



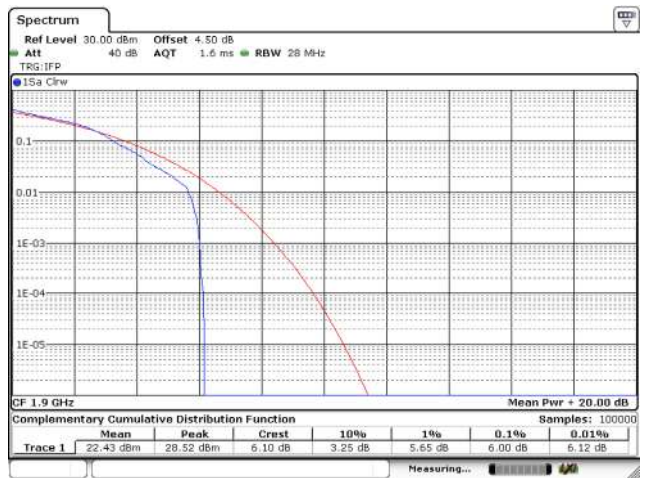
Date: 13 JUN.2023 21:54:00

LTE Band 2_CH18900_20 MHz_16-QAM_1RB



Date: 13 JUN.2023 21:55:40

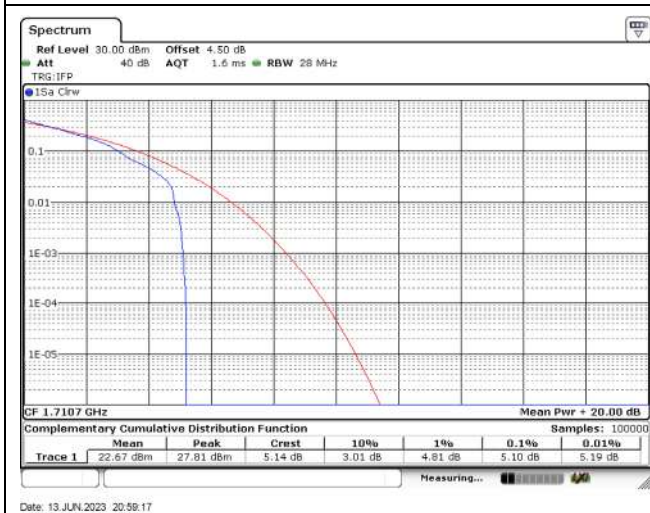
LTE Band 2_CH19100_20 MHz_16-QAM_1RB



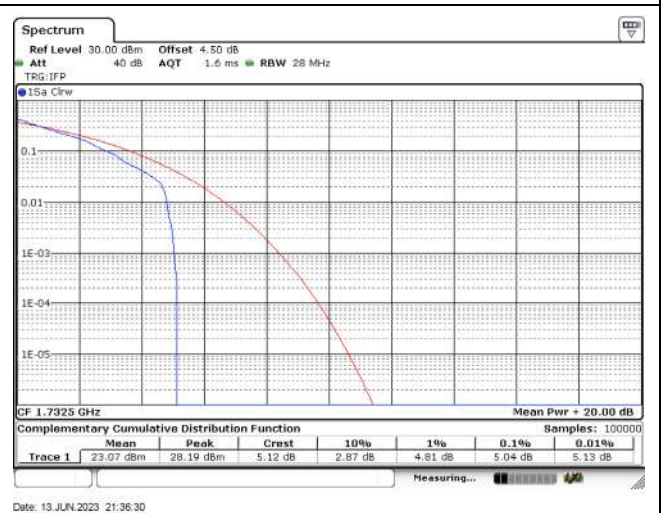
Date: 13 JUN.2023 21:55:04

Mode 2: LTE Band 4

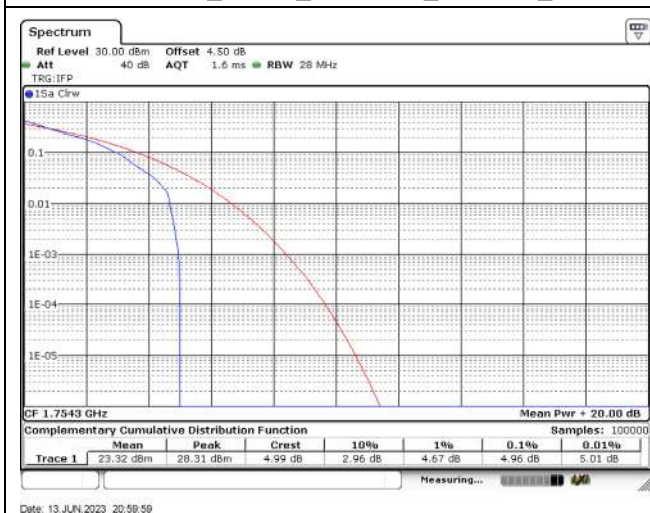
LTE Band 4_QPSK_CH19957_1.4 MHz_1RB



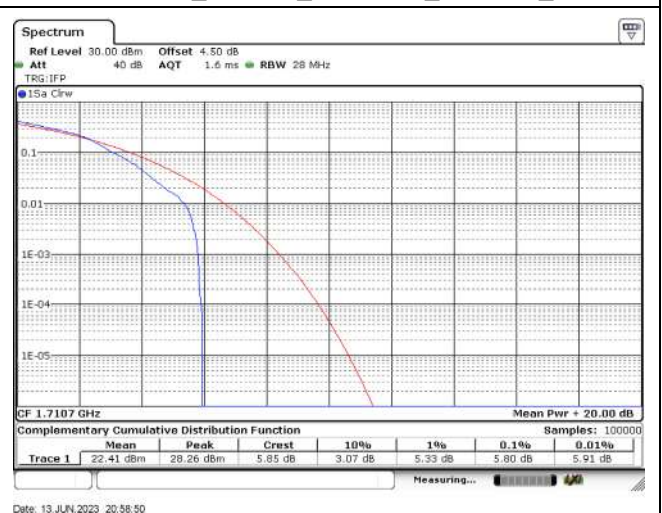
LTE Band 4_QPSK_CH20175_1.4 MHz_1RB



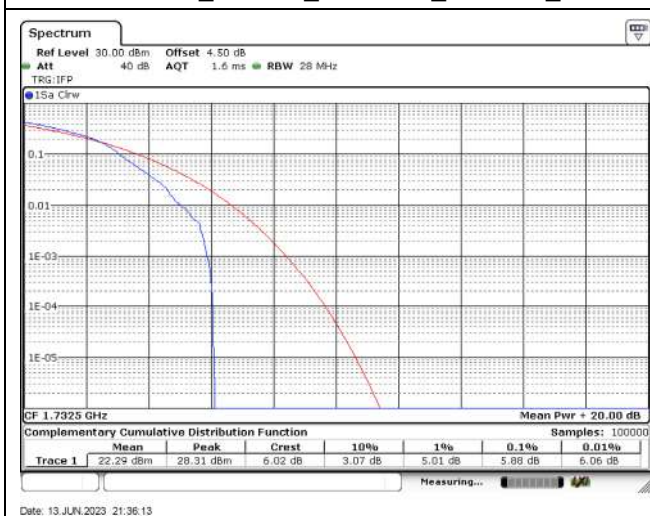
LTE Band 4_QPSK_CH20393_1.4 MHz_1RB



LTE Band 4_16QAM_CH19957_1.4 MHz_1RB



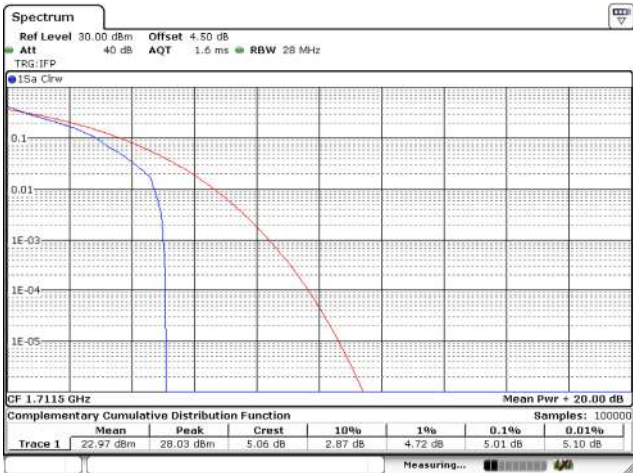
LTE Band 4_16QAM_CH20175_1.4 MHz_1RB



LTE Band 4_16QAM_CH20393_1.4 MHz_1RB

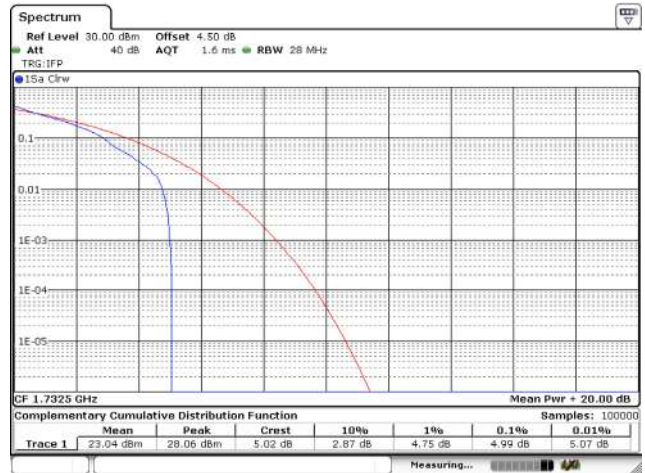


LTE Band 4_QPSK_CH19965_3 MHz_1RB



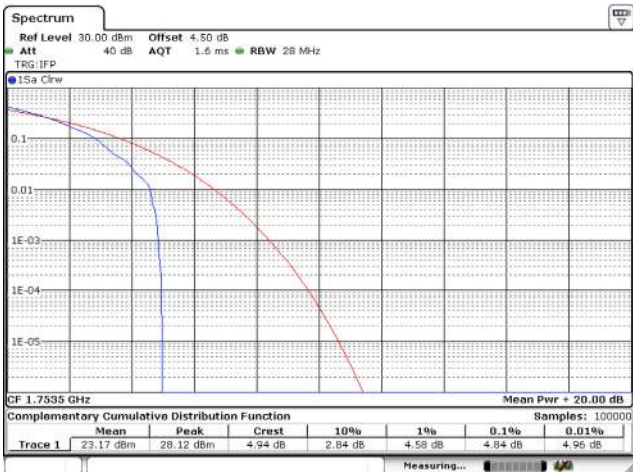
Date: 13 JUN 2023 21:03:24

LTE Band 4_QPSK_CH20175_3 MHz_1RB



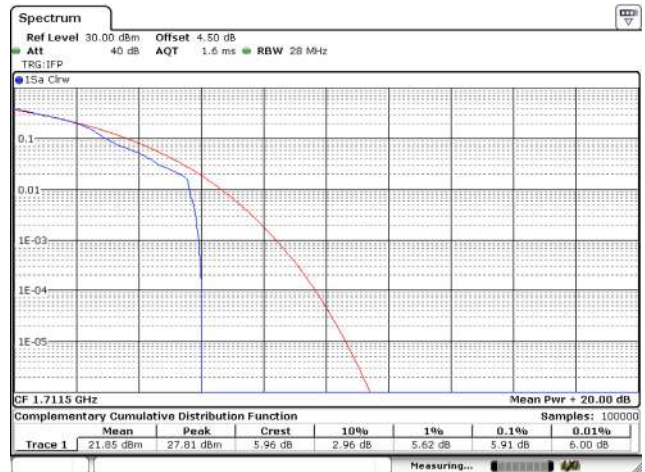
Date: 13 JUN 2023 21:35:40

LTE Band 4_QPSK_CH20385_3 MHz_1RB



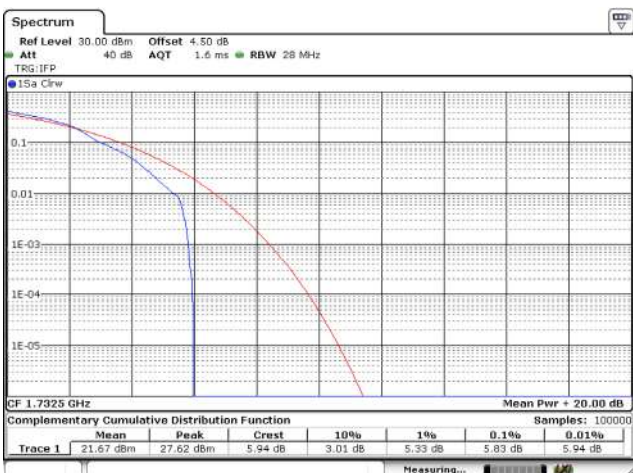
Date: 13 JUN 2023 21:22:28

LTE Band 4_16QAM_CH19965_3 MHz_1RB



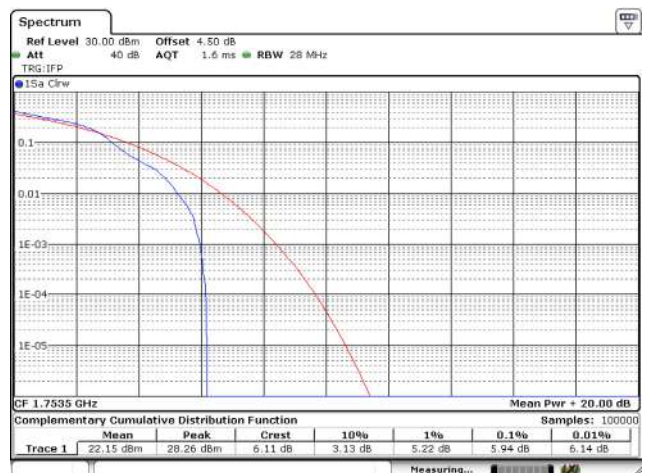
Date: 13 JUN 2023 21:03:42

LTE Band 4_16QAM_CH20175_3 MHz_1RB



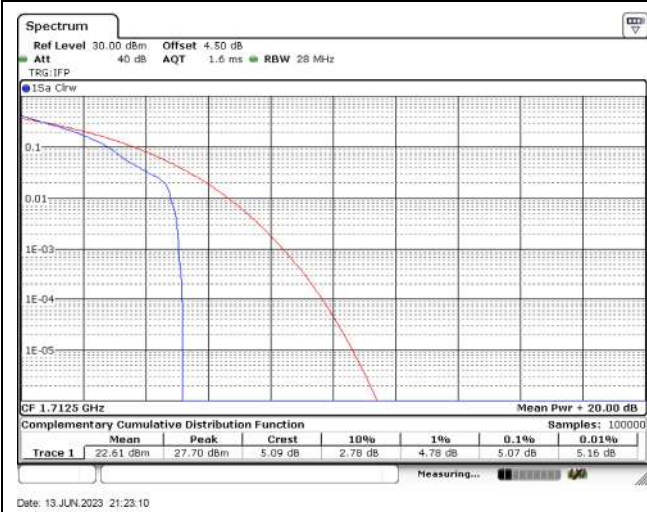
Date: 13 JUN 2023 21:35:55

LTE Band 4_16QAM_CH20385_3 MHz_1RB

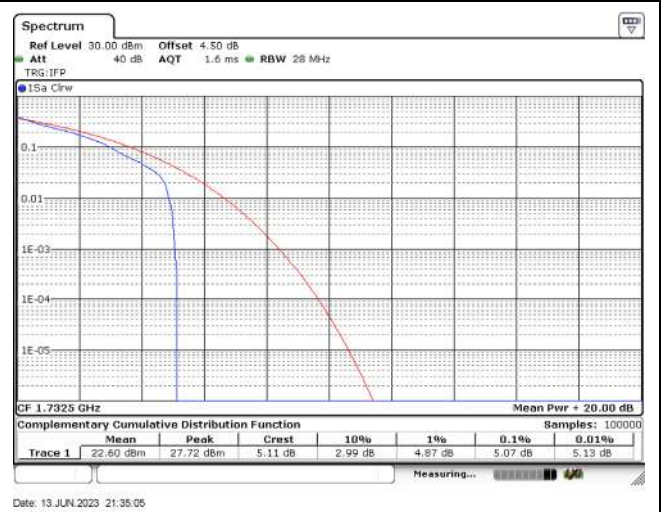


Date: 13 JUN 2023 21:22:05

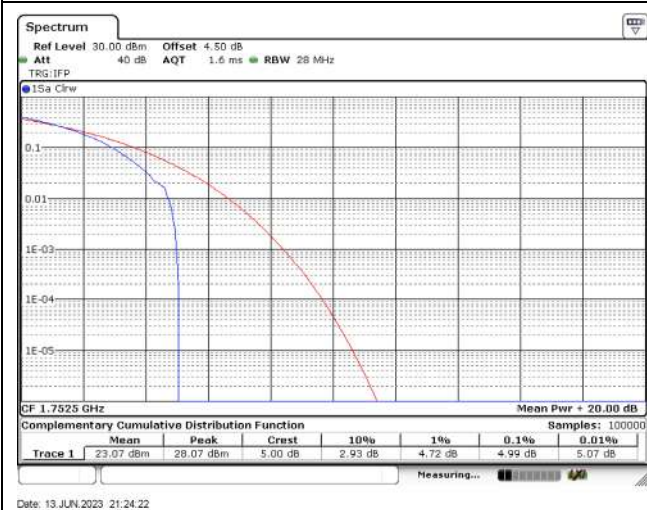
LTE Band 4_QPSK_CH19975_5 MHz_1RB



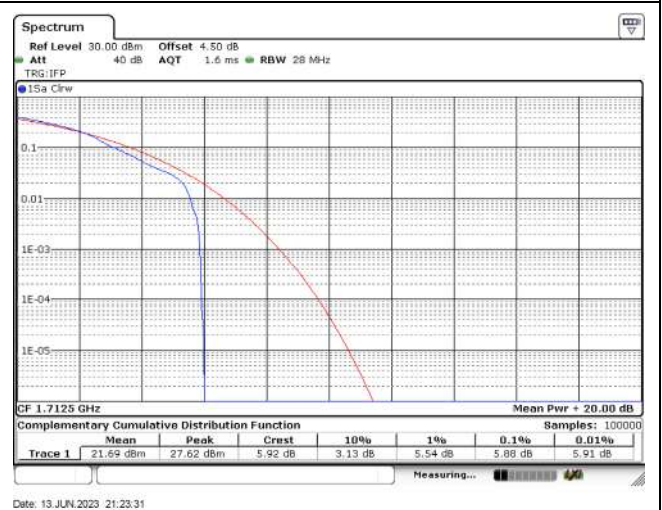
LTE Band 4_QPSK_CH20175_5 MHz_1RB



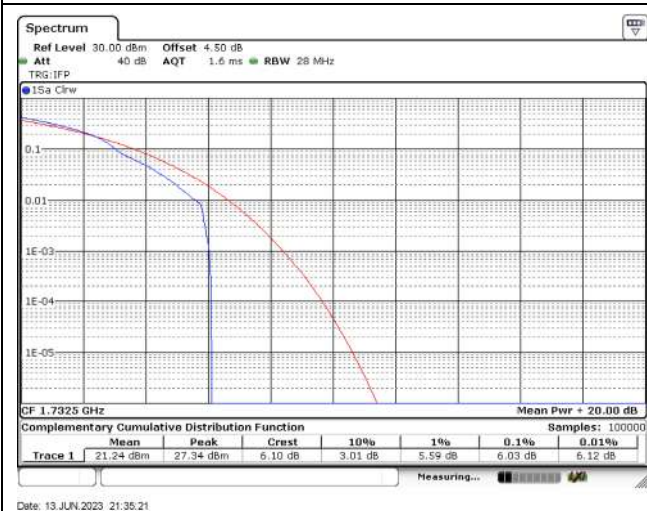
LTE Band 4_QPSK_CH20375_5 MHz_1RB



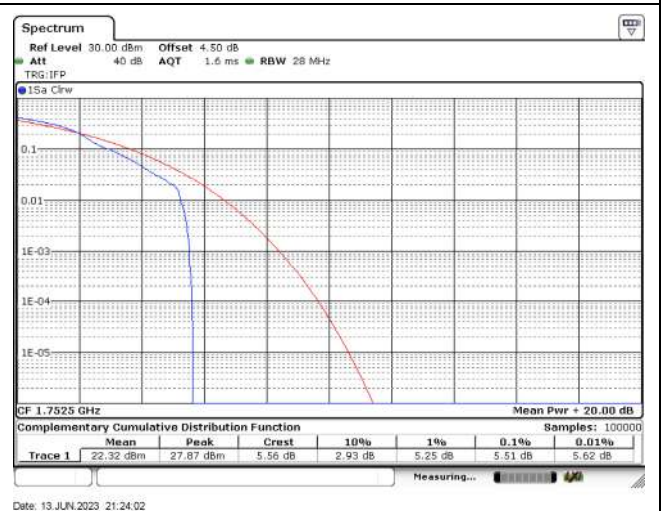
LTE Band 4_16QAM_CH19975_5 MHz_1RB



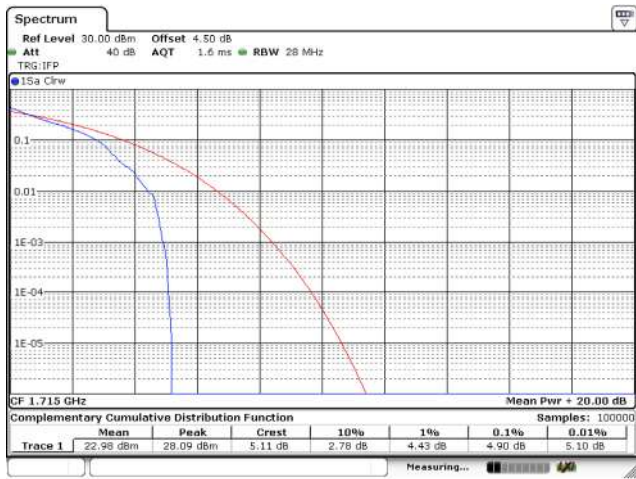
LTE Band 4_16QAM_CH20175_5 MHz_1RB



LTE Band 4_16QAM_CH20375_5 MHz_1RB

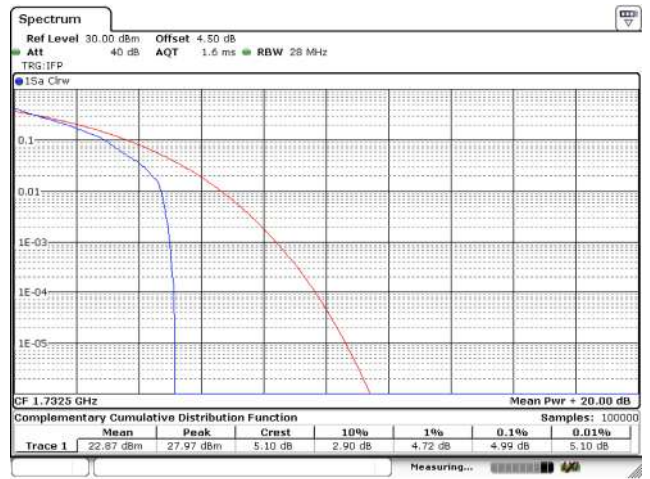


LTE Band 4_QPSK_CH20000_10 MHz_1RB



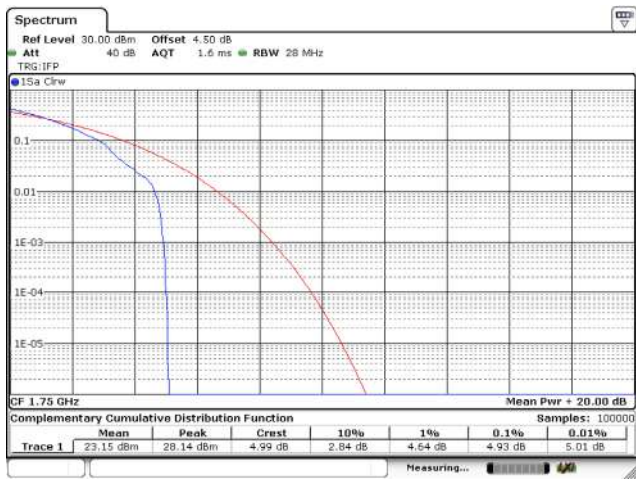
Date: 13 JUN 2023 21:25:44

LTE Band 4_QPSK_CH20175_10 MHz_1RB



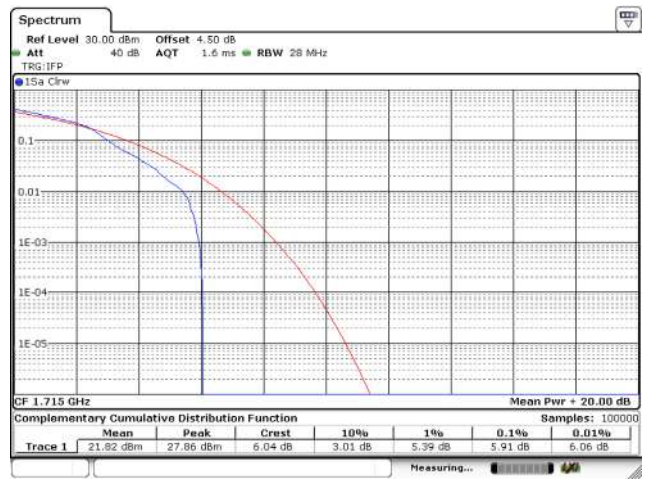
Date: 13 JUN 2023 21:34:45

LTE Band 4_QPSK_CH20350_10 MHz_1RB



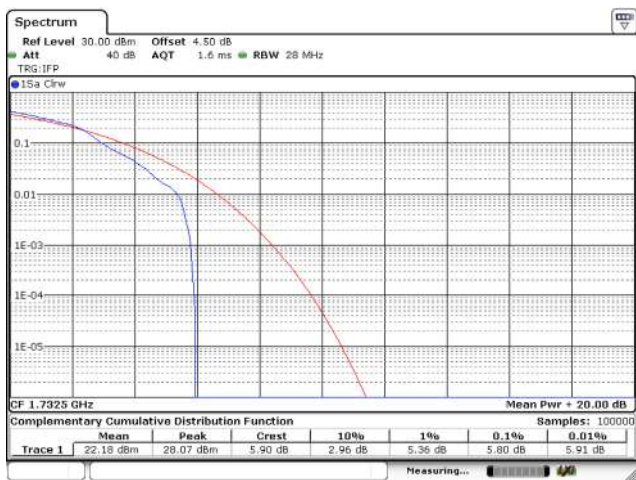
Date: 13 JUN 2023 21:28:10

LTE Band 4_16QAM_CH20000_10 MHz_1RB



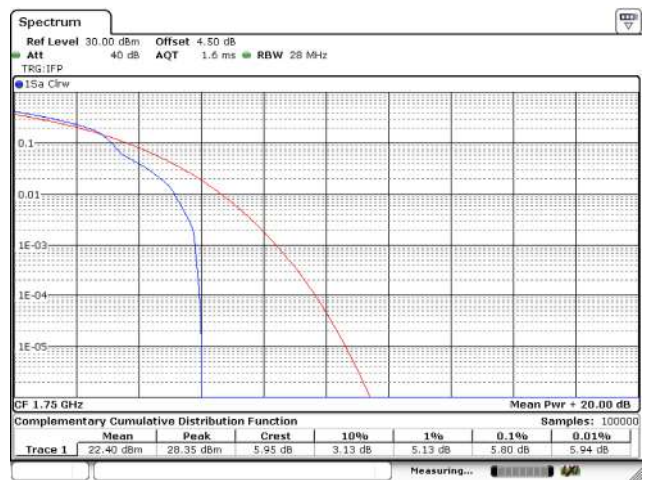
Date: 13 JUN 2023 21:26:09

LTE Band 4_16QAM_CH20175_10 MHz_1RB



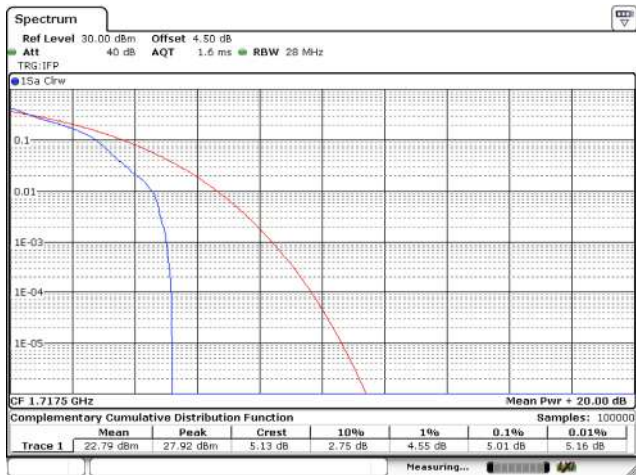
Date: 13 JUN 2023 21:34:28

LTE Band 4_16QAM_CH20350_10 MHz_1RB



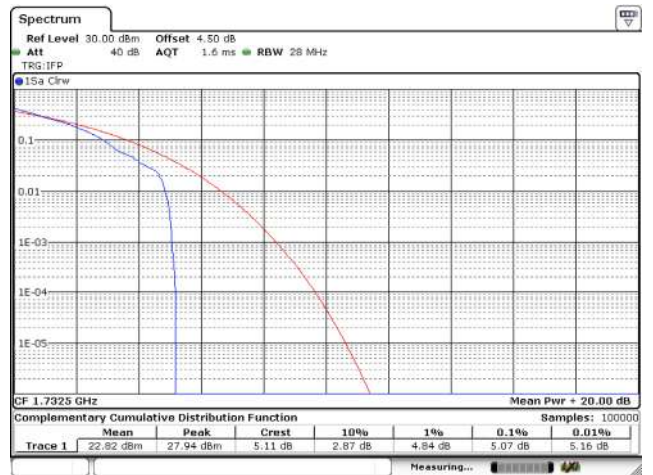
Date: 13 JUN 2023 21:28:53

LTE Band 4_QPSK_CH20025_15 MHz_1RB



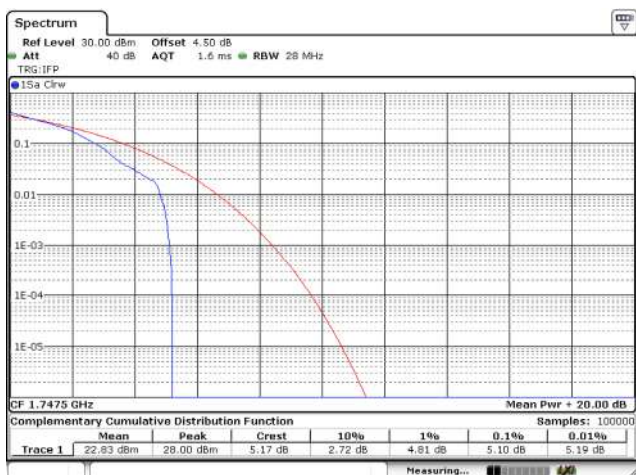
Date: 13 JUN 2023 21:29:29

LTE Band 4_QPSK_CH20175_15 MHz_1RB



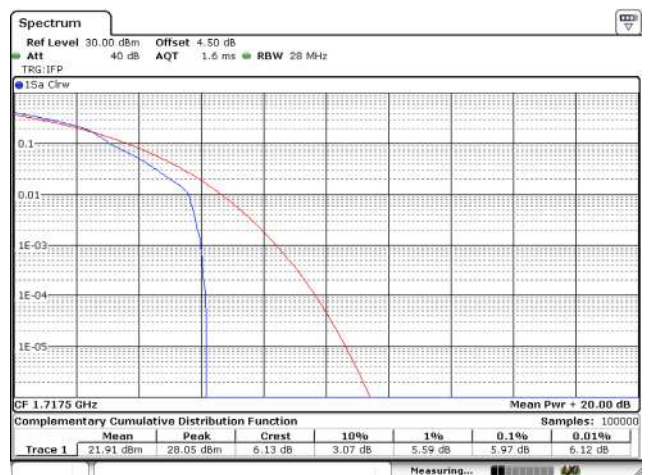
Date: 13 JUN 2023 21:33:46

LTE Band 4_QPSK_CH20325_15 MHz_1RB



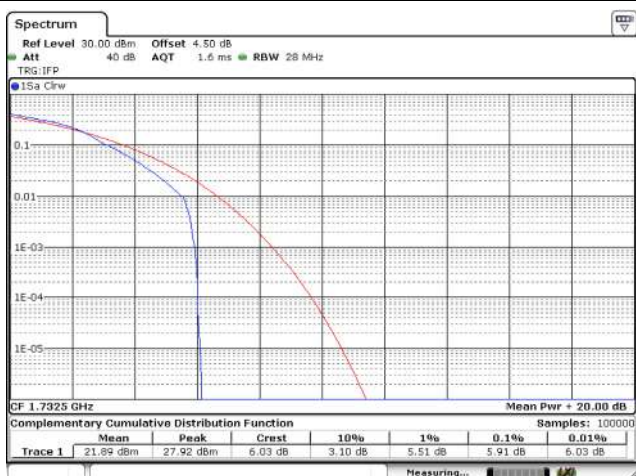
Date: 13 JUN 2023 21:30:42

LTE Band 4_16QAM_CH20025_15 MHz_1RB



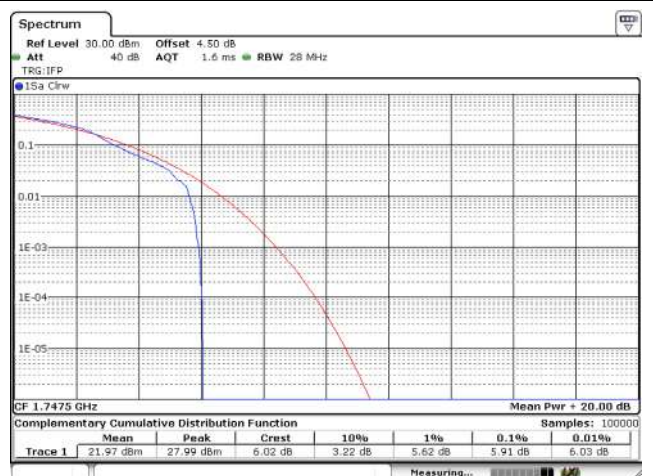
Date: 13 JUN 2023 21:29:48

LTE Band 4_16QAM_CH20175_15 MHz_1RB



Date: 13 JUN 2023 21:34:04

LTE Band 4_16QAM_CH20325_15 MHz_1RB



Date: 13 JUN 2023 21:30:23