

Test Report No:
22A0288R-RFUSV22S-A

TEST REPORT

FCC Rules&Regulations

Product Name	Internet Gateway
Brand Name	Verizon
Model No.	WNC-CR200A
FCC ID	NKR-LV65C-T3
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 ANSI/TIA-603-E-2016 ANSI C63.26-2015
Verdict Summary	IN COMPLIANCE
Documented By	<i>Amelia Wu</i> Amelia Wu / Project Specialist
Approved By	<i>Rueyyan Lin</i> Rueyyan Lin / Supervisor
Date of Receipt	Oct. 13, 2022
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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	Jun. 09, 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	PASS	-
		5	§2.1033 §2.1046 §22.913	< 7 Watts	PASS	-
		13	§2.1033 §2.1046 §27.50	< 3 Watts ERP	PASS	-
		66	§2.1033 §2.1046 §27.50	< 1 Watts	PASS	-
4	Occupied Bandwidth	2, 5, 13, 66	§2.1049	N/A	PASS	-
5	Peak to Average Power Ratio	2	§24.232	$\leq$ 13 dB	PASS	-
		5	§22.913	$\leq$ 13 dB	PASS	-
		13	§27.50	< -13 dB	PASS	-
		66	§27.50	< 13 dB	PASS	-
7	Conducted Band Edge	2	§24.238	< -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	-
		66	§2.1053 §27.53	< -13 dBm	PASS	-
6	Spurious Emission	2	§2.1053 §24.238	< -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	-
		66	§27.53	< -13 dBm	PASS	-
7	Conducted Band Edge	2	§24.238	< -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	-

		66	§2.1053 §27.53	< -13 dBm	PASS	-
8	Frequency Stability	2	§2.1055 §24.235	± 2.5 ppm	PASS	-
		13, 66	§2.1055 §27.54	± 2.5 ppm	PASS	-
		5	§2.1055 §22.335	± 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 5: 824~849 LTE Band 13: 777~787 LTE Band 66: 1710~1780	
Downlink Frequency Range (MHz)	LTE Band 2: 1930~1990 LTE Band 5: 869~894 LTE Band 13: 746~756 LTE Band 66: 2110~2200	
Bandwidth (MHz)	LTE Band 2: 1.4 / 3 / 5 / 10 / 15 / 20 LTE Band 5: 1.4 / 3 / 5 / 10 LTE Band 13: 5 / 10 LTE Band 66: 1.4 / 3 / 5 / 10 / 15 / 20	
CA Band	5B, 66B, 66C	
Maximum Conducted Output Power	LTE Band 2	23.87 dBm
	LTE Band 5	23.76 dBm
	LTE Band 13	23.87 dBm
	LTE Band 66	23.98 dBm
	LTE CA Band 5B	24.11 dBm
	LTE CA Band 66B	24.66 dBm
	LTE CA Band 66C	24.17 dBm
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM	
Hardware Version	0.0.4	
Software Version	3.2.0.9 (Wi-Fi) + 13.00334.023 (Cellular)	
IMEI No.	357473870014709	

Accessories Information				
No.	Equipment Name	Brand Name	Model No.	Rating
1	Adapter 1	Lucent Trans	1A100-US1230	INPUT: AC 100~120V, 60Hz, 1.0A OUTPUT: DC12.0V, 3.0A, 36.0W
2	Adapter 2	Delta	ADH-36NW B	INPUT: AC 100~120V, 60Hz, 0.9A OUTPUT: DC12.0V, 3.0A

Antenna Information			
Ant.	Brand Name	Model No.	Type
1	WNC	LV65C-LTE/FR1-S4	Dipole
2	WNC	LV65C-LTE/FR1-S2	Dipole
3	WNC	LV65C-LTE/FR1-S3	Dipole
4	WNC	LV65C-LTE/FR1-S1	Dipole
5	WNC	LV65C-LTE/FR1-S5	Dipole
6	WNC	LV65C-LTE/FR1-S8	Dipole
7	WNC	LV65C-LTE/FR1-S6	Dipole
8	WNC	LV65C-LTE/FR1-S7	Dipole

Antenna Gain				
Frequency (MHz)	746~787	824~894	1710~2170	3300~4200
Application Band	B13	B5/n5	B2/n2, B66/n66	n77
Antenna Gain (dBi)				
Ant. 1	2.81	3.33	3.82	0.45
Ant. 2	3.43	3.27	3.54	0.48

LTE only or SA FR1 only	-	Ant. 1	Ant. 2	Ant. 3	Ant. 4	Ant. 5	Ant. 6	Ant. 7	Ant. 8
	Low-Band (LB)								
	B5/n5	TX0/RX0	RX3	RX1	RX2	-	-	-	-
	B13	TX0/RX0	RX1	RX2	RX3	-	-	-	-
	Mid-Band (MB)								
	B2/n2	-	TX0/RX0	RX2	RX3	RX1	-	-	-
	B66/n66	-	TX0/RX0	RX2	RX3	RX1	-	-	-
	C-Band (CB)								
	n77	TX0/RX0	TX1/RX3	RX2	RX1	RX4	RX6	RX7	RX5

NSA ENDC Mode Syntax (LTE+FR1) Example(LB+MB): LTE B12+FR1 n66	-	Ant. 1	Ant. 2	Ant. 3	Ant. 4	Ant. 5	Ant. 6	Ant. 7	Ant. 8
	LB+MB								
	LTE(LB)	TX0	RX3	RX1	RX2	-	-	-	-
	NR(MB)	-	TX0	RX2	RX3	RX1	-	-	-
	MB+LB								
	LTE(MB)	-	TX0	RX2	RX3	RX1	-	-	-
	NR(LB)	TX0	RX3	RX1	RX2	-	-	-	-
	LB+CB								
	LTE(LB)	TX0	RX3	RX2	RX1	-	-	-	-
	NR(CB)	RX3	TX0	RX1	RX2	-	-	-	-
	CB+LB								
	LTE(CB)	RX1	TX0	RX2	RX3	-	-	-	-
	NR(LB)	TX0	RX1	RX2	RX3	-	-	-	-

Note:

S1 – S4: LTE/NR B13/B5/n5/B2/n2/B66/n66/B48/n48/n77.

S5: LTE/NR B2/n2/B66/n66/B48/n48/n77.

S6 – S8: LTE/NR B48/n48/n77.

1.2. EUT Information

EUT Power Type	From Adapter
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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 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 662911 D01 v02r01
- 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	Clemens Fang Max Chang	21~24 / 63~67	2023/03/16~2023/05/18
Radiated Emission	HC-CB04	Scott Chang Cyril Chen	20.5~21.5 / 55~63	2023/03/30~2023/05/17

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 and Spectrum Analyzer	R&S	FSVA40	101435	10 Hz-40 GHz	2022/05/30	2023/05/29
Spectrum Analyzer	Keysight	N9030B	MY57140404	3 Hz-26.5 GHz	2022/05/03	2023/05/02
Spectrum Analyzer	Keysight	N9030B	MY57140404	3 Hz-26.5 GHz	2023/04/24	2024/04/23
Spectrum Analyzer	Keysight	N9010B	MY57110159	10 Hz-7 GHz	2023/03/03	2024/03/02
Spectrum Analyzer	Agilent	N9010A	US47140172	9 kHz-26.5 GHz	2022/05/08	2023/05/07
Spectrum Analyzer	Agilent	N9010A	US47140172	9 kHz-26.5 GHz	2023/05/09	2024/05/08
Radio Communication Tester	Anritsu	MT8821C	6261915489	LTE & Cat.M1 & NB-IOT	2022/11/11	2023/11/10
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
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	2022/06/14	2023/06/13
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	2022/06/10	2023/06/09
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
Radio Communication Tester	Anritsu	MT8821C	6261915489	LTE & Cat.M1 & NB-IOT	2023/01/03	2024/01/02
Coaxial Cable(10m)	Suhner	SF102_SF104	HC-CB04	30M-18 GHz	2022/08/08	2023/08/07
Coaxial Cable(3m)	Suhner,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	AC 120V/60Hz

2.2. The Worst Case Measurement Configuration

Test Mode	Mode 1: LTE Band 2 Mode 2: LTE Band 5 Mode 3: LTE Band 13 Mode 4: LTE Band 66 Mode 5: LTE CA Band 5B Mode 6: LTE CA Band 66B Mode 7: LTE CA Band 66C
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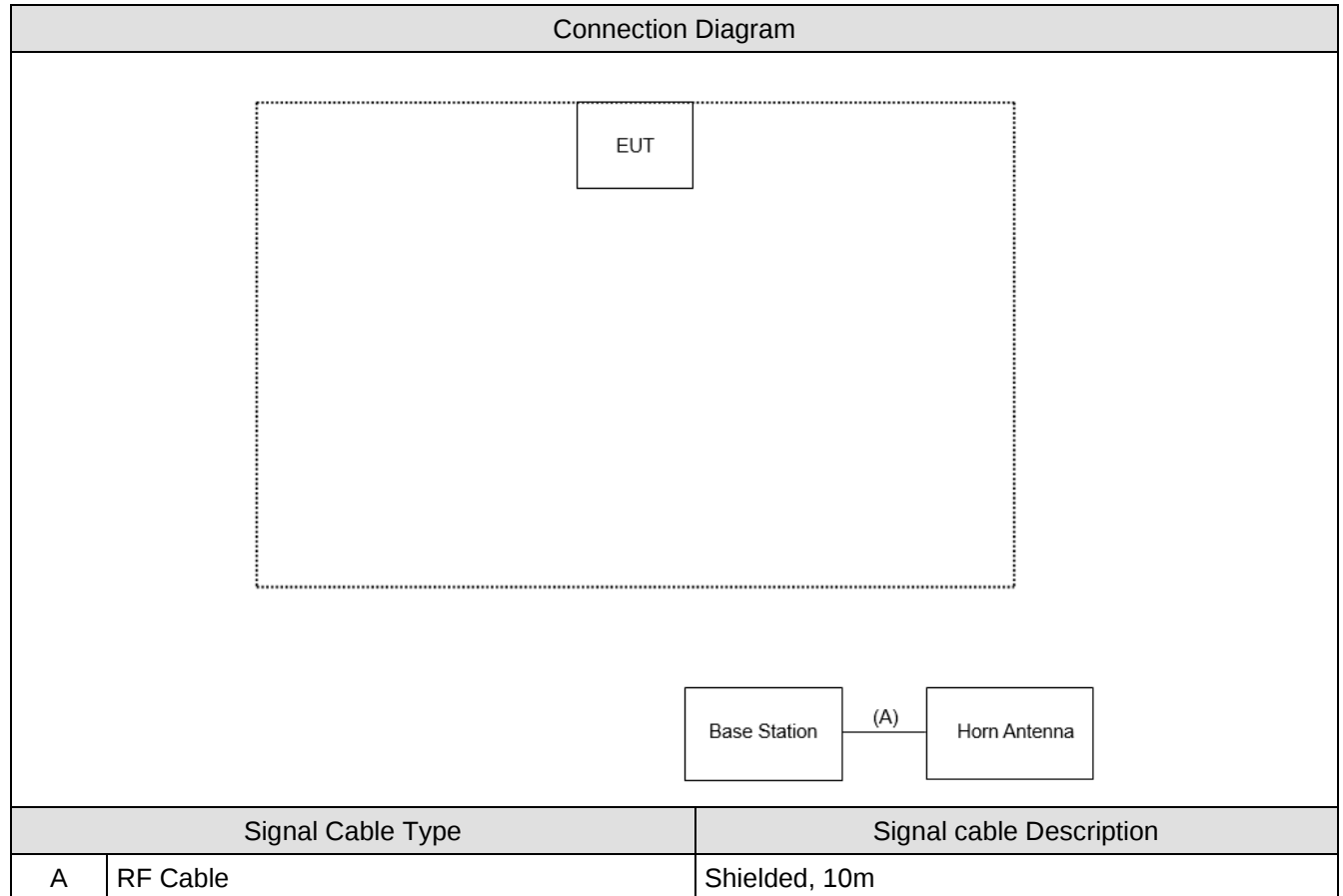
Note:

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 "Occupied Bandwidth" & "Conducted Band Edge" & "Spurious Emission".

2.3. Tested System Details

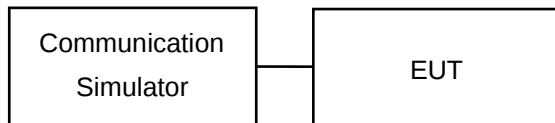
No.	Equipment	Brand Name	Model No.	Serial No.
1	Base Station	Anritsu	MT8821	62619115489
2	Horn Antenna	Schwarzbeck	BBHA 9120D	1640

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);

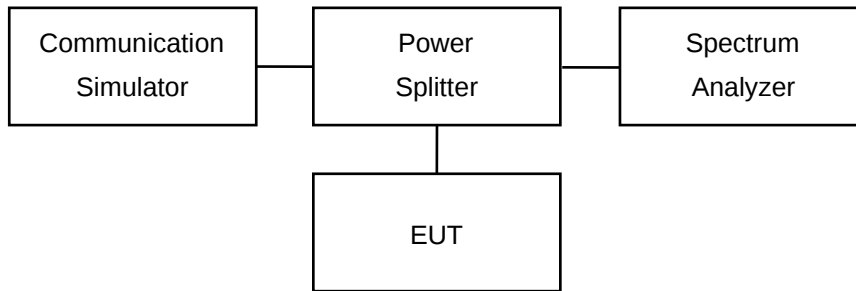
L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB

3.3. Test Result of RF Output Power

Refer as Appendix A

4. Occupied Bandwidth

4.1. Test Setup



4.2. Test Procedures

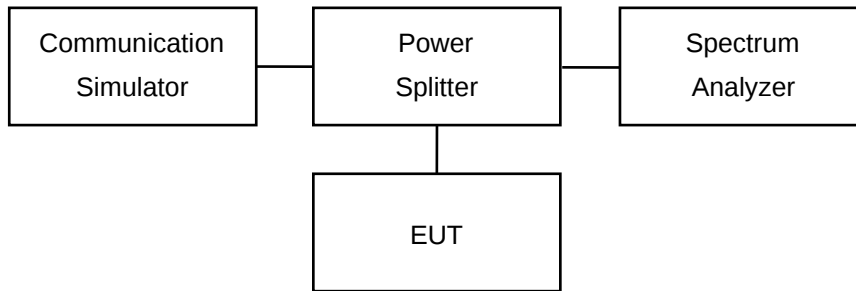
The EUT makes a call to the communication simulator. The 26dB bandwidth and 99% occupied bandwidth measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific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

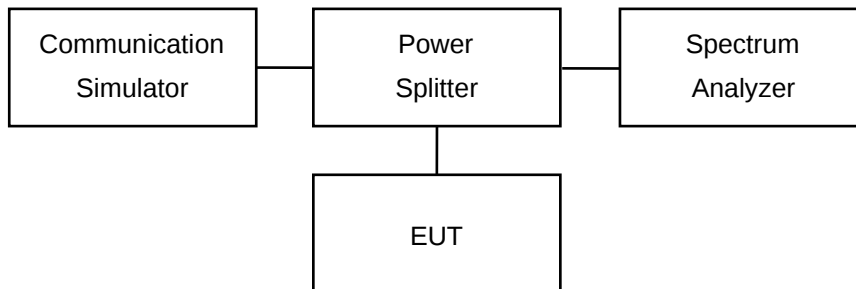
5.3. Test Result of Peak to Average Power Ratio

Refer as Appendix C

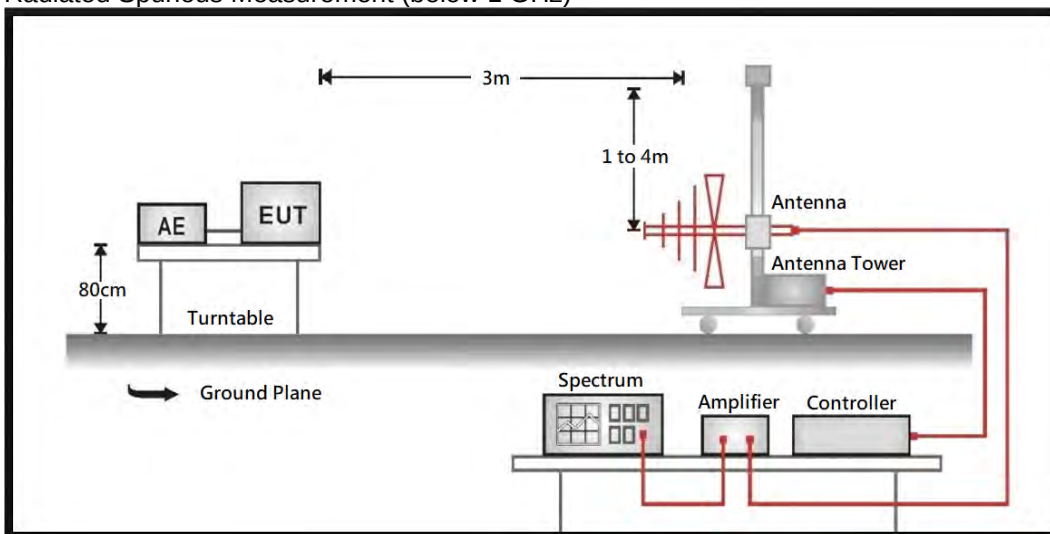
6. Spurious Emission

6.1. Test Setup

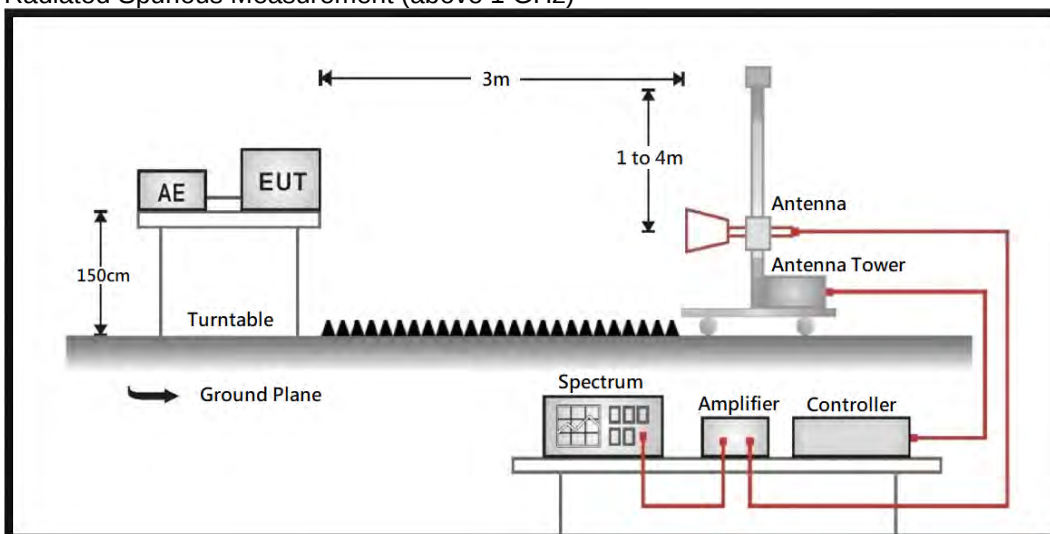
Conducted Spurious Measurement



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 Conducted Spurious Emission

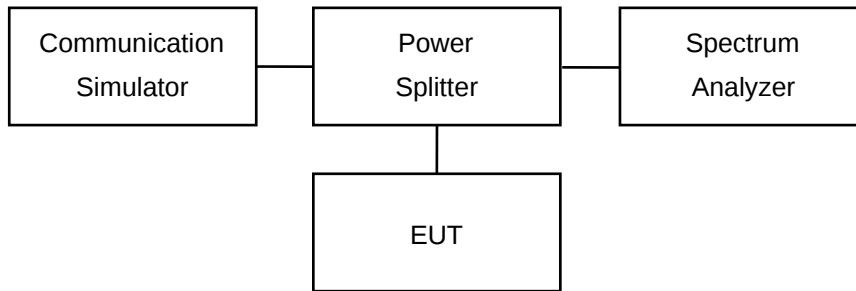
Refer as Appendix D.1

6.4. Test Result of Radiated Spurious Emission

Refer as Appendix D.2

7. Conducted Band Edge

7.1. Test Setup



7.2. Test Procedure

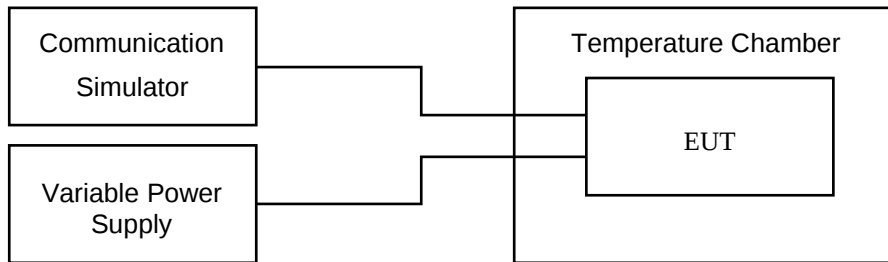
1. The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. The path loss was compensated to the results for each measurement.
2. In the 1MHz bands immediately 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)	16-QAM (dBm)	64-QAM (dBm)	256-QAM (dBm)	QPSK EIRP(W)	16-QAM EIRP(W)	64-QAM EIRP(W)	256-QAM EIRP(W)	Limit EIRP(W)
1.4	18607	1850.7	1	0	23.63	22.87	21.77	20.78	0.521	0.438	0.340	0.270	2
			1	2	23.69	22.98	21.95	20.88	0.528	0.449	0.354	0.277	2
			1	5	23.58	22.90	21.84	20.82	0.515	0.441	0.345	0.273	2
			6	0	22.70	21.64	20.55	19.49	0.421	0.330	0.256	0.201	2
	18900	1880	1	0	23.53	23.12	21.69	20.61	0.509	0.463	0.333	0.260	2
			1	2	23.65	22.96	21.83	20.83	0.524	0.447	0.344	0.274	2
			1	5	23.55	22.40	21.78	20.75	0.512	0.393	0.340	0.269	2
			6	0	22.64	21.69	20.64	19.66	0.415	0.333	0.262	0.209	2
	19193	1909.3	1	0	23.53	22.71	21.69	20.60	0.509	0.422	0.333	0.259	2
			1	2	23.61	22.76	21.67	20.68	0.519	0.427	0.332	0.264	2
			1	5	23.54	22.90	21.82	20.75	0.511	0.441	0.344	0.269	2
			6	0	22.63	21.43	20.34	19.26	0.414	0.314	0.244	0.191	2
3	18615	1851.5	1	0	23.64	23.21	21.56	20.53	0.522	0.473	0.324	0.255	2
			1	7	23.78	22.52	21.71	20.48	0.540	0.404	0.335	0.252	2
			1	14	23.67	22.62	21.60	20.62	0.526	0.413	0.327	0.261	2
			15	0	22.67	21.71	20.68	19.68	0.418	0.335	0.264	0.210	2
	18900	1880	1	0	23.55	22.70	21.68	20.76	0.512	0.421	0.333	0.269	2
			1	7	23.65	22.79	21.72	20.62	0.524	0.430	0.336	0.261	2
			1	14	23.58	22.83	21.83	20.79	0.515	0.434	0.344	0.271	2
			15	0	22.65	21.42	20.39	19.32	0.416	0.313	0.247	0.193	2
	19185	1908.5	1	0	23.57	22.97	21.66	20.66	0.514	0.448	0.331	0.263	2
			1	7	23.63	23.06	21.81	20.80	0.521	0.457	0.343	0.272	2
			1	14	23.60	22.66	21.72	20.69	0.518	0.417	0.336	0.265	2
			15	0	22.63	21.51	20.42	19.42	0.414	0.320	0.249	0.198	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	QPSK (dBm)	16-QAM (dBm)	64-QAM (dBm)	256-QAM (dBm)	QPSK EIRP(W)	16-QAM EIRP(W)	64-QAM EIRP(W)	256-QAM EIRP(W)	Limit EIRP(W)
5	18625	1852.5	1	0	23.57	22.68	21.64	20.68	0.514	0.419	0.330	0.264	2
			1	12	23.64	23.26	21.70	20.85	0.522	0.479	0.334	0.275	2
			1	24	23.61	22.73	21.66	20.73	0.519	0.424	0.331	0.267	2
			25	0	22.68	21.70	20.66	19.66	0.419	0.334	0.263	0.209	2
	18900	1880	1	0	23.51	23.02	21.53	20.93	0.507	0.453	0.321	0.280	2
			1	12	23.63	22.77	21.72	20.69	0.521	0.428	0.336	0.265	2
			1	24	23.57	22.60	21.60	20.68	0.514	0.411	0.327	0.264	2
			25	0	22.58	21.57	20.53	19.59	0.409	0.324	0.255	0.206	2
	19175	1907.5	1	0	23.45	22.65	21.59	20.62	0.500	0.416	0.326	0.261	2
			1	12	23.63	22.86	21.86	20.76	0.521	0.437	0.347	0.269	2
			1	24	23.51	22.45	21.38	20.41	0.507	0.397	0.310	0.248	2
			25	0	22.53	21.34	20.24	19.15	0.405	0.308	0.239	0.186	2
10	18650	1855	1	0	23.58	23.17	21.65	20.64	0.515	0.469	0.330	0.262	2
			1	24	23.70	23.34	21.75	20.80	0.530	0.488	0.338	0.272	2
			1	49	23.62	22.64	21.69	20.68	0.520	0.415	0.333	0.264	2
			50	0	22.66	21.68	20.61	19.60	0.417	0.333	0.260	0.206	2
	18900	1880	1	0	23.44	22.89	21.84	20.94	0.499	0.440	0.345	0.281	2
			1	24	23.59	22.75	21.68	20.78	0.516	0.426	0.333	0.270	2
			1	49	23.51	22.63	21.60	20.52	0.507	0.414	0.327	0.255	2
			50	0	22.64	21.50	20.47	19.46	0.415	0.319	0.252	0.200	2
	19150	1905	1	0	23.44	22.28	21.18	20.16	0.499	0.382	0.296	0.234	2
			1	24	23.62	22.63	21.55	20.52	0.520	0.414	0.323	0.255	2
			1	49	23.53	22.93	21.84	20.74	0.509	0.444	0.345	0.268	2
			50	0	22.62	21.50	20.40	19.33	0.413	0.319	0.248	0.194	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	QPSK (dBm)	16-QAM (dBm)	64-QAM (dBm)	256-QAM (dBm)	QPSK EIRP(W)	16-QAM EIRP(W)	64-QAM EIRP(W)	256-QAM EIRP(W)	Limit EIRP(W)
15	18675	1857.5	1	0	23.51	22.51	21.47	20.51	0.507	0.403	0.317	0.254	2
			1	37	23.68	22.56	21.50	20.42	0.527	0.407	0.319	0.249	2
			1	74	23.59	22.76	21.69	20.63	0.516	0.427	0.333	0.261	2
			75	0	22.63	21.49	20.45	19.39	0.414	0.318	0.251	0.196	2
	18900	1880	1	0	23.51	22.95	21.85	20.83	0.507	0.446	0.346	0.274	2
			1	37	23.68	22.78	21.75	20.68	0.527	0.429	0.338	0.264	2
			1	74	23.54	23.02	21.93	20.93	0.511	0.453	0.352	0.280	2
			75	0	22.66	21.49	20.43	19.52	0.417	0.318	0.249	0.202	2
	19125	1902.5	1	0	23.48	22.44	21.40	20.31	0.504	0.396	0.312	0.243	2
			1	37	23.64	22.63	21.55	20.51	0.522	0.414	0.323	0.254	2
			1	74	23.53	22.44	21.41	20.37	0.509	0.396	0.313	0.246	2
			75	0	22.69	21.39	20.32	19.30	0.420	0.311	0.243	0.192	2
20	18700	1860	1	0	23.56	22.82	21.74	20.79	0.513	0.433	0.337	0.271	2
			1	49	23.80	23.06	22.03	21.02	0.542	0.457	0.361	0.286	2
			1	99	23.77	22.93	21.85	20.84	0.538	0.444	0.346	0.274	2
			100	0	22.81	21.80	20.79	19.81	0.432	0.342	0.271	0.216	2
	18900	1880	1	0	23.73	22.74	21.70	20.79	0.533	0.425	0.334	0.271	2
			1	49	23.87	23.04	21.96	21.03	0.551	0.455	0.355	0.286	2
			1	99	23.76	22.86	21.81	20.81	0.537	0.437	0.343	0.272	2
			100	0	22.85	21.84	20.84	19.85	0.436	0.345	0.274	0.218	2
	19100	1900	1	0	23.72	22.83	21.75	20.81	0.532	0.434	0.338	0.272	2
			1	49	23.79	22.90	21.89	20.93	0.541	0.441	0.349	0.280	2
			1	99	23.75	22.88	21.81	20.82	0.536	0.439	0.343	0.273	2
			100	0	22.84	21.86	20.78	19.74	0.435	0.347	0.270	0.213	2

Note:

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

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

Mode 2: LTE Band 5

Mode					Conducted Power				ERP Power				Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	64-QAM (dBm)	256-QAM (dBm)	QPSK ERP(W)	16-QAM ERP(W)	64-QAM ERP(W)	256-QAM ERP(W)	Limit ERP(W)
1.4	20407	824.7	1	0	23.59	22.63	21.55	20.46	0.300	0.240	0.187	0.146	7
			1	2	23.68	22.73	21.66	20.69	0.306	0.246	0.192	0.154	7
			1	5	23.63	22.51	21.42	20.37	0.303	0.234	0.182	0.143	7
			6	0	22.56	21.68	20.65	19.74	0.237	0.193	0.152	0.124	7
	20525	836.5	1	0	23.59	22.66	21.65	20.70	0.300	0.242	0.192	0.154	7
			1	2	23.67	22.75	21.70	20.60	0.305	0.247	0.194	0.151	7
			1	5	23.61	22.69	21.67	20.61	0.301	0.244	0.193	0.151	7
			6	0	22.78	21.89	20.79	19.87	0.249	0.203	0.157	0.127	7
	20643	848.3	1	0	23.51	22.56	21.56	20.59	0.294	0.237	0.188	0.150	7
			1	2	23.64	22.66	21.63	20.61	0.303	0.242	0.191	0.151	7
			1	5	23.59	22.53	21.51	20.46	0.300	0.235	0.186	0.146	7
			6	0	22.78	21.83	20.78	19.79	0.249	0.200	0.157	0.125	7
3	20415	825.5	1	0	23.53	22.67	21.62	20.56	0.296	0.243	0.191	0.149	7
			1	7	23.70	22.83	21.81	20.82	0.308	0.252	0.199	0.158	7
			1	14	23.64	22.74	21.74	20.68	0.303	0.247	0.196	0.153	7
			15	0	22.68	21.79	20.70	19.75	0.243	0.198	0.154	0.124	7
	20525	836.5	1	0	23.53	22.73	21.65	20.72	0.296	0.246	0.192	0.155	7
			1	7	23.64	22.85	21.80	20.90	0.303	0.253	0.199	0.161	7
			1	14	23.55	22.80	21.72	20.79	0.297	0.250	0.195	0.157	7
			15	0	22.79	21.86	20.86	19.77	0.249	0.201	0.160	0.124	7
	20635	847.5	1	0	23.52	22.60	21.53	20.49	0.295	0.239	0.187	0.147	7
			1	7	23.63	22.77	21.74	20.77	0.303	0.248	0.196	0.157	7
			1	14	23.58	22.65	21.59	20.52	0.299	0.242	0.189	0.148	7
			15	0	22.74	21.79	20.74	19.83	0.247	0.198	0.156	0.126	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				ERP Power				Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	64-QAM (dBm)	256-QAM (dBm)	QPSK ERP(W)	16-QAM ERP(W)	64-QAM ERP(W)	256-QAM ERP(W)	Limit ERP(W)
5	20425	825.6	1	0	23.57	22.63	21.60	20.58	0.299	0.240	0.190	0.150	7
			1	12	23.65	22.79	21.71	20.75	0.304	0.249	0.195	0.156	7
			1	24	23.60	22.74	21.72	20.65	0.301	0.247	0.195	0.152	7
			25	0	22.66	21.84	20.79	19.74	0.242	0.200	0.157	0.124	7
	20525	836.5	1	0	23.59	22.70	21.68	20.74	0.300	0.244	0.193	0.156	7
			1	12	23.68	22.86	21.85	20.84	0.306	0.254	0.201	0.159	7
			1	24	23.61	22.75	21.73	20.78	0.301	0.247	0.195	0.157	7
			25	0	22.81	21.92	20.92	19.92	0.251	0.204	0.162	0.129	7
	20625	846.5	1	0	23.55	22.74	21.72	20.82	0.297	0.247	0.195	0.158	7
			1	12	23.72	22.89	21.89	20.85	0.309	0.255	0.203	0.160	7
			1	24	23.63	22.80	21.77	20.86	0.303	0.250	0.197	0.160	7
			25	0	22.77	21.88	20.86	19.84	0.248	0.202	0.160	0.126	7
10	20450	829	1	0	23.61	22.83	21.83	20.82	0.301	0.252	0.200	0.158	7
			1	24	23.65	22.88	21.87	20.81	0.304	0.255	0.202	0.158	7
			1	49	23.58	22.81	21.77	20.71	0.299	0.251	0.197	0.155	7
			50	0	22.69	22.27	21.22	20.31	0.244	0.221	0.174	0.141	7
	20525	836.5	1	0	23.68	22.81	21.73	20.75	0.306	0.251	0.195	0.156	7
			1	24	23.76	22.98	21.89	20.92	0.312	0.261	0.203	0.162	7
			1	49	23.72	22.86	21.79	20.80	0.309	0.254	0.198	0.158	7
			50	0	22.72	21.70	20.61	19.60	0.245	0.194	0.151	0.120	7
	20600	844	1	0	23.65	22.79	21.72	20.79	0.304	0.249	0.195	0.157	7
			1	24	23.69	22.93	21.83	20.86	0.307	0.258	0.200	0.160	7
			1	49	23.59	22.85	21.79	20.69	0.300	0.253	0.198	0.154	7
			50	0	22.65	21.59	20.56	19.61	0.242	0.189	0.149	0.120	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 3: LTE Band 13

Mode					Conducted Power				ERP Power				Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	64-QAM (dBm)	256-QAM (dBm)	QPSK ERP(W)	16-QAM ERP(W)	64-QAM ERP(W)	256-QAM ERP(W)	Limit ERP(W)
5	23205	779.5	1	0	23.78	22.92	21.82	20.86	0.278	0.228	0.177	0.142	3
			1	12	23.85	22.98	21.94	20.92	0.282	0.231	0.182	0.144	3
			1	24	23.82	22.94	21.89	20.86	0.281	0.229	0.180	0.142	3
			25	0	22.85	21.89	20.83	19.77	0.224	0.180	0.141	0.110	3
	23230	782	1	0	23.75	22.87	21.84	20.89	0.276	0.225	0.178	0.143	3
			1	12	23.78	22.98	21.93	20.96	0.278	0.231	0.182	0.145	3
			1	24	23.76	22.89	21.86	20.91	0.277	0.226	0.179	0.144	3
			25	0	22.76	21.83	20.81	19.71	0.220	0.177	0.140	0.109	3
	23255	784.5	1	0	23.77	22.79	21.73	20.76	0.277	0.221	0.173	0.139	3
			1	12	23.83	22.86	21.80	20.85	0.281	0.225	0.176	0.142	3
			1	24	23.79	22.82	21.76	20.78	0.279	0.223	0.175	0.139	3
			25	0	22.79	21.77	20.68	19.78	0.221	0.175	0.136	0.111	3
10	23230	782	1	0	23.78	22.95	21.85	20.88	0.278	0.230	0.178	0.143	3
			1	24	23.87	23.03	21.96	21.03	0.284	0.234	0.183	0.148	3
			1	49	23.84	22.97	21.90	20.96	0.282	0.231	0.180	0.145	3
			50	0	22.85	21.87	20.86	19.96	0.224	0.179	0.142	0.115	3

Note:

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

Mode 4: LTE Band 66

Mode					Conducted Power				EIRP Power				Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	64-QAM (dBm)	256-QAM (dBm)	QPSK EIRP(W)	16-QAM EIRP(W)	64-QAM EIRP(W)	256-QAM EIRP(W)	Limit EIRP(W)
1.4	131979	1710.7	1	0	23.69	22.62	21.52	20.59	0.528	0.413	0.321	0.259	1
			1	2	23.76	22.70	21.68	20.77	0.537	0.421	0.333	0.270	1
			1	5	23.72	22.64	21.61	20.54	0.532	0.415	0.327	0.256	1
			6	0	22.77	21.74	20.71	19.78	0.428	0.337	0.266	0.215	1
	132322	1745	1	0	23.68	22.78	21.68	20.60	0.527	0.429	0.333	0.259	1
			1	2	23.79	22.84	21.83	20.86	0.541	0.435	0.344	0.275	1
			1	5	23.71	22.80	21.72	20.65	0.531	0.431	0.336	0.262	1
			6	0	22.81	21.85	20.77	19.68	0.432	0.346	0.270	0.210	1
	132665	1779.3	1	0	23.64	22.71	21.64	20.58	0.522	0.422	0.330	0.258	1
			1	2	23.71	22.81	21.78	20.71	0.531	0.432	0.340	0.266	1
			1	5	23.68	22.75	21.65	20.72	0.527	0.426	0.330	0.267	1
			6	0	22.67	21.74	20.74	19.80	0.418	0.337	0.268	0.216	1
3	131987	1711.5	1	0	23.64	22.64	21.54	20.50	0.522	0.415	0.322	0.254	1
			1	7	23.76	22.78	21.75	20.66	0.537	0.429	0.338	0.263	1
			1	14	23.68	22.70	21.65	20.66	0.527	0.421	0.330	0.263	1
			15	0	22.77	21.80	20.76	19.84	0.428	0.342	0.269	0.218	1
	132322	1745	1	0	23.64	22.73	21.69	20.73	0.522	0.424	0.333	0.267	1
			1	7	23.76	22.86	21.85	20.75	0.537	0.437	0.346	0.269	1
			1	14	23.71	22.80	21.79	20.80	0.531	0.431	0.341	0.272	1
			15	0	22.67	21.86	20.77	19.79	0.418	0.347	0.270	0.215	1
	132657	1778.5	1	0	23.69	22.78	21.68	20.70	0.528	0.429	0.333	0.265	1
			1	7	23.79	22.94	21.87	20.83	0.541	0.445	0.348	0.274	1
			1	14	23.72	22.80	21.76	20.70	0.532	0.431	0.339	0.265	1
			15	0	22.68	21.69	20.67	19.77	0.419	0.333	0.264	0.214	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	QPSK (dBm)	16-QAM (dBm)	64-QAM (dBm)	256-QAM (dBm)	QPSK EIRP(W)	16-QAM EIRP(W)	64-QAM EIRP(W)	256-QAM EIRP(W)	Limit EIRP(W)
5	131997	1712.5	1	0	23.65	22.69	21.63	20.66	0.524	0.420	0.329	0.263	1
			1	12	23.80	22.81	21.75	20.82	0.542	0.432	0.338	0.273	1
			1	24	23.70	22.73	21.63	20.66	0.530	0.424	0.329	0.263	1
			25	0	22.66	21.70	20.67	19.73	0.417	0.334	0.264	0.212	1
	132322	1745	1	0	23.76	22.61	21.52	20.43	0.537	0.412	0.321	0.249	1
			1	12	23.85	22.77	21.71	20.74	0.548	0.428	0.335	0.268	1
			1	24	23.79	22.69	21.69	20.77	0.541	0.420	0.333	0.270	1
			25	0	22.86	21.74	20.70	19.75	0.437	0.337	0.265	0.213	1
	132647	1777.5	1	0	23.69	22.63	21.58	20.58	0.528	0.414	0.325	0.258	1
			1	12	23.85	22.70	21.68	20.65	0.548	0.421	0.333	0.262	1
			1	24	23.72	22.65	21.58	20.51	0.532	0.416	0.325	0.254	1
			25	0	22.81	21.70	20.69	19.62	0.432	0.334	0.265	0.207	1
10	132022	1715	1	0	23.73	22.70	21.70	20.73	0.533	0.421	0.334	0.267	1
			1	24	23.86	22.85	21.80	20.73	0.550	0.436	0.342	0.267	1
			1	49	23.83	22.76	21.72	20.73	0.546	0.427	0.336	0.267	1
			50	0	22.77	21.82	20.79	19.80	0.428	0.344	0.271	0.216	1
	132322	1745	1	0	23.75	22.77	21.77	20.68	0.536	0.428	0.340	0.264	1
			1	24	23.88	22.85	21.83	20.87	0.552	0.436	0.344	0.276	1
			1	49	23.77	22.81	21.81	20.89	0.538	0.432	0.343	0.277	1
			50	0	22.82	21.89	20.89	19.85	0.433	0.349	0.277	0.218	1
	132622	1775	1	0	23.64	22.71	21.64	20.62	0.522	0.422	0.330	0.261	1
			1	24	23.80	22.83	21.74	20.67	0.542	0.434	0.337	0.264	1
			1	49	23.71	22.74	21.72	20.67	0.531	0.425	0.336	0.264	1
			50	0	22.79	21.71	20.71	19.72	0.430	0.335	0.266	0.212	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	QPSK (dBm)	16-QAM (dBm)	64-QAM (dBm)	256-QAM (dBm)	QPSK EIRP(W)	16-QAM EIRP(W)	64-QAM EIRP(W)	256-QAM EIRP(W)	Limit EIRP(W)
15	132047	1717.5	1	0	23.64	22.77	21.71	20.61	0.522	0.428	0.335	0.260	1
			1	37	23.79	22.90	21.81	20.71	0.541	0.441	0.343	0.266	1
			1	74	23.66	22.81	21.75	20.78	0.525	0.432	0.338	0.270	1
			75	0	22.82	21.93	20.83	19.85	0.433	0.352	0.274	0.218	1
	132322	1745	1	0	23.73	22.79	21.76	20.74	0.533	0.430	0.339	0.268	1
			1	37	23.85	22.96	21.93	20.97	0.548	0.447	0.352	0.282	1
			1	74	23.80	22.87	21.78	20.75	0.542	0.438	0.340	0.269	1
			75	0	22.81	21.89	20.80	19.83	0.432	0.349	0.272	0.217	1
	132597	1772.5	1	0	23.72	22.77	21.70	20.77	0.532	0.428	0.334	0.270	1
			1	37	23.84	22.92	21.89	20.94	0.547	0.443	0.349	0.281	1
			1	74	23.73	22.85	21.83	20.76	0.533	0.436	0.344	0.269	1
			75	0	22.83	21.87	20.78	19.75	0.434	0.348	0.270	0.213	1
20	132072	1720	1	0	23.84	22.90	21.87	20.87	0.547	0.441	0.348	0.276	1
			1	49	23.98	23.08	22.07	21.08	0.565	0.459	0.364	0.290	1
			1	99	23.91	22.94	21.88	20.86	0.556	0.445	0.348	0.275	1
			100	0	22.98	21.99	20.96	19.92	0.449	0.357	0.282	0.222	1
	132322	1745	1	0	23.79	22.92	21.86	20.95	0.541	0.443	0.347	0.281	1
			1	49	23.86	22.98	21.88	20.98	0.550	0.449	0.348	0.283	1
			1	99	23.83	22.94	21.86	20.82	0.546	0.445	0.347	0.273	1
			100	0	22.91	21.93	20.87	19.88	0.442	0.352	0.276	0.220	1
	132572	1770	1	0	23.80	23.05	22.01	21.03	0.542	0.456	0.359	0.286	1
			1	49	23.90	23.23	22.16	21.15	0.555	0.475	0.372	0.294	1
			1	99	23.83	23.09	22.01	20.95	0.546	0.460	0.359	0.281	1
			100	0	22.96	21.95	20.91	19.81	0.447	0.354	0.279	0.216	1

Note:

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

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

Mode 5: LTE CA Band 5B

PCC					SCC					Power				ERP Power				Limit (W) ERP
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	64-QAM (dBm)	256-QAM (dBm)	QPSK ERP(W)	16-QAM ERP(W)	64-QAM ERP(W)	256-QAM ERP(W)	
3	20416	825.6	1	14	5	20455	829.5	1	0	23.18	22.33	21.37	20.36	0.273	0.224	0.180	0.143	7
3	20416	825.6	15	0	5	20455	829.5	25	0	23.12	22.18	21.23	20.33	0.269	0.217	0.174	0.142	7
3	20501	834.1	1	14	5	20540	838	1	0	23.03	22.22	21.19	20.19	0.264	0.219	0.173	0.137	7
3	20501	834.1	15	0	5	20540	838	25	0	22.97	22.01	21.05	20.17	0.260	0.208	0.167	0.136	7
3	20586	842.5	1	14	5	20625	846.5	1	0	23.05	22.21	21.22	20.23	0.265	0.218	0.174	0.138	7
3	20586	842.5	15	0	5	20625	846.5	25	0	23.01	22.14	21.18	20.22	0.262	0.215	0.172	0.138	7
5	20425	826.5	1	24	3	20464	830.4	1	0	23.11	22.42	20.86	20.25	0.269	0.229	0.160	0.139	7
5	20425	826.5	25	0	3	20464	830.4	15	0	23.06	22.21	21.19	20.14	0.265	0.218	0.173	0.136	7
5	20510	835	1	24	3	20549	838.9	1	0	22.98	22.27	20.72	20.14	0.261	0.221	0.155	0.136	7
5	20510	835	25	0	3	20549	838.9	15	0	22.93	22.06	21.02	19.99	0.258	0.211	0.166	0.131	7
5	20595	843.5	1	24	3	20634	847.4	1	0	22.98	22.31	20.67	20.15	0.261	0.223	0.153	0.136	7
5	20595	843.5	25	0	3	20634	847.4	15	0	22.92	22.23	20.68	20.15	0.257	0.219	0.153	0.136	7
5	20428	826.8	1	24	10	20500	834	1	0	23.94	23.07	20.85	19.19	0.325	0.266	0.160	0.109	7
5	20428	826.8	25	0	10	20500	834	50	0	22.18	21.14	20.87	19.18	0.217	0.171	0.160	0.109	7
5	20478	831.8	1	24	10	20550	839	1	0	23.79	22.94	20.70	19.03	0.314	0.258	0.154	0.105	7
5	20478	831.8	25	0	10	20550	839	50	0	22.04	21.03	20.75	19.00	0.210	0.166	0.156	0.104	7
5	20528	836.8	1	24	10	20600	844	1	0	23.79	21.29	20.69	19.09	0.314	0.177	0.154	0.106	7
5	20528	836.8	25	0	10	20600	844	50	0	23.76	22.96	20.66	19.01	0.312	0.259	0.153	0.104	7
10	20450	829	1	49	5	20522	836.2	1	0	24.06	23.25	20.55	19.17	0.334	0.277	0.149	0.108	7
10	20450	829	50	0	5	20522	836.2	25	0	22.13	21.15	20.59	19.19	0.214	0.171	0.150	0.109	7
10	20500	834	1	49	5	20572	841.2	1	0	23.93	23.13	20.43	19.05	0.324	0.270	0.145	0.105	7
10	20500	834	50	0	5	20572	841.2	25	0	21.94	20.97	20.40	19.08	0.205	0.164	0.144	0.106	7
10	20550	839	1	49	5	20622	846.2	1	0	23.91	23.12	20.39	19.05	0.323	0.269	0.144	0.105	7
10	20550	839	50	0	5	20622	846.2	25	0	23.95	23.09	20.40	18.99	0.326	0.267	0.144	0.104	7
10	20450	829	1	49	10	20549	838.9	1	0	24.11	23.29	20.56	19.29	0.338	0.280	0.149	0.111	7
10	20450	829	50	0	10	20549	838.9	50	0	22.22	21.18	20.62	19.22	0.219	0.172	0.151	0.110	7
10	20476	831.6	1	49	10	20575	841.5	1	0	23.98	23.09	20.42	19.13	0.328	0.267	0.145	0.107	7
10	20476	831.6	50	0	10	20575	841.5	50	0	22.08	21.02	20.48	19.06	0.212	0.166	0.147	0.106	7
10	20501	834.1	1	49	10	20600	844	1	0	23.99	23.18	20.39	19.12	0.329	0.273	0.144	0.107	7
10	20501	834.1	50	0	10	20600	844	50	0	23.98	23.11	20.40	19.12	0.328	0.269	0.144	0.107	7

Note:

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

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

Mode 6: LTE CA Band 66B

PCC					SCC					Power				EIRP Power				Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	64-QAM (dBm)	256-QAM (dBm)	QPSK EIRP(W)	16-QAM EIRP(W)	64-QAM EIRP(W)	256-QAM EIRP(W)	EIRP
5	131997	1712.5	1	24	5	132045	1717.3	1	0	24.40	23.82	21.13	19.93	0.622	0.545	0.293	0.222	1
5	131997	1712.5	25	0	5	132045	1717.3	25	0	22.57	21.63	21.08	19.64	0.408	0.329	0.290	0.208	1
5	132398	1752.6	1	24	5	132446	1757.4	1	0	24.42	23.87	21.24	19.98	0.625	0.551	0.301	0.225	1
5	132398	1752.6	25	0	5	132446	1757.4	25	0	22.65	21.77	21.21	19.64	0.416	0.340	0.299	0.208	1
5	132599	1772.7	1	24	5	132647	1777.5	1	0	24.56	24.03	21.37	20.16	0.646	0.571	0.310	0.234	1
5	132599	1772.7	25	0	5	132647	1777.5	25	0	22.76	21.91	21.32	19.82	0.427	0.351	0.306	0.217	1
5	132000	1712.8	1	24	10	132072	1720	1	0	24.24	23.77	21.39	19.63	0.600	0.538	0.311	0.207	1
5	132000	1712.8	25	0	10	132072	1720	50	0	22.52	21.54	21.33	19.54	0.404	0.322	0.307	0.203	1
5	132375	1750.3	1	24	10	132447	1757.5	1	0	24.37	23.78	21.46	19.67	0.618	0.540	0.316	0.209	1
5	132375	1750.3	25	0	10	132447	1757.5	50	0	22.57	21.58	21.34	19.70	0.408	0.325	0.308	0.211	1
5	132550	1767.8	1	24	10	132622	1775	1	0	24.48	23.94	21.57	19.84	0.634	0.560	0.324	0.218	1
5	132550	1767.8	25	0	10	132622	1775	50	0	22.74	21.76	21.51	19.83	0.425	0.339	0.320	0.217	1
10	132022	1715	1	49	5	132094	1722.2	1	0	24.35	23.60	21.47	19.63	0.615	0.518	0.317	0.207	1
10	132022	1715	50	0	5	132094	1722.2	25	0	22.57	21.60	21.49	19.59	0.408	0.327	0.318	0.206	1
10	132397	1752.5	1	49	5	132469	1759.7	1	0	24.41	23.69	21.56	19.74	0.624	0.528	0.324	0.213	1
10	132397	1752.5	50	0	5	132469	1759.7	25	0	22.60	21.66	21.55	19.64	0.411	0.331	0.323	0.208	1
10	132572	1770	1	49	5	132644	1777.2	1	0	24.59	23.87	21.73	19.88	0.650	0.551	0.337	0.220	1
10	132572	1770	50	0	5	132644	1777.2	25	0	22.76	21.77	21.71	19.81	0.427	0.340	0.335	0.216	1
5	132002	1713	1	24	15	132095	1722.3	1	0	24.33	23.70	21.46	19.53	0.612	0.530	0.316	0.203	1
5	132002	1713	25	0	15	132095	1722.3	75	0	22.54	21.46	21.44	19.43	0.406	0.316	0.315	0.198	1
5	132353	1748.1	1	24	15	132446	1757.4	1	0	24.42	23.67	21.53	19.55	0.625	0.526	0.321	0.204	1
5	132353	1748.1	25	0	15	132446	1757.4	75	0	22.52	21.54	21.43	19.58	0.404	0.322	0.314	0.205	1
5	132504	1763.2	1	24	15	132597	1772.5	1	0	24.56	23.86	21.66	19.71	0.646	0.550	0.331	0.211	1
5	132504	1763.2	25	0	15	132597	1772.5	75	0	22.72	21.70	21.60	19.70	0.423	0.334	0.327	0.211	1
15	132047	1717.5	1	74	5	132140	1726.8	1	0	24.41	23.71	21.42	19.65	0.624	0.531	0.313	0.208	1
15	132047	1717.5	75	0	5	132140	1726.8	25	0	22.50	21.58	21.51	19.53	0.402	0.325	0.320	0.203	1
15	132398	1752.6	1	74	5	132491	1761.9	1	0	24.51	23.78	21.57	19.76	0.638	0.540	0.324	0.214	1
15	132398	1752.6	75	0	5	132491	1761.9	25	0	22.52	21.58	21.53	19.63	0.404	0.325	0.321	0.207	1
15	132549	1767.7	1	74	5	132642	1777	1	0	24.62	23.95	21.70	19.92	0.655	0.561	0.334	0.222	1
15	132549	1767.7	75	0	5	132642	1777	25	0	22.71	21.78	21.69	19.73	0.422	0.340	0.333	0.212	1
10	132022	1715	1	49	10	132121	1724.9	1	0	24.49	23.79	21.55	19.47	0.635	0.541	0.323	0.200	1
10	132022	1715	50	0	10	132121	1724.9	50	0	22.58	21.57	21.47	19.52	0.409	0.324	0.317	0.202	1
10	132373	1750.1	1	49	10	132472	1760	1	0	24.50	23.77	21.61	19.61	0.637	0.538	0.327	0.207	1
10	132373	1750.1	50	0	10	132472	1760	50	0	22.60	21.65	21.58	19.60	0.411	0.330	0.325	0.206	1
10	132523	1765.1	1	49	10	132622	1775	1	0	24.66	23.95	21.74	19.72	0.661	0.561	0.337	0.212	1
10	132523	1765.1	50	0	10	132622	1775	50	0	22.78	21.79	21.72	19.75	0.429	0.341	0.336	0.213	1

Note:

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

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

Mode 7: LTE CA Band 66C

PCC					SCC					Power				EIRP Power				Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	64-QAM (dBm)	256-QAM (dBm)	QPSK EIRP(W)	16-QAM EIRP(W)	64-QAM EIRP(W)	256-QAM EIRP(W)	(W) EIRP
10	132025	1715.3	1	49	15	132145	1727.3	1	0	24.09	23.69	21.06	19.46	0.579	0.528	0.288	0.200	1
10	132025	1715.3	50	0	15	132145	1727.3	75	0	22.18	21.16	20.79	19.20	0.373	0.295	0.271	0.188	1
10	132351	1747.9	1	49	15	132471	1759.9	1	0	24.06	23.50	21.29	19.28	0.575	0.506	0.304	0.191	1
10	132351	1747.9	50	0	15	132471	1759.9	75	0	22.07	21.12	21.06	19.09	0.364	0.292	0.288	0.183	1
10	132477	1760.5	1	49	15	132597	1772.5	1	0	24.14	23.38	20.61	19.29	0.586	0.492	0.260	0.192	1
10	132477	1760.5	50	0	15	132597	1772.5	75	0	22.07	21.08	20.47	19.07	0.364	0.290	0.252	0.182	1
15	132047	1717.5	1	74	10	132167	1729.5	1	0	24.07	23.60	21.23	19.34	0.577	0.518	0.300	0.194	1
15	132047	1717.5	75	0	10	132167	1729.5	50	0	22.03	21.09	20.78	19.05	0.361	0.290	0.270	0.182	1
15	132373	1750.1	1	74	10	132493	1762.1	1	0	24.14	23.44	20.79	19.44	0.586	0.499	0.271	0.199	1
15	132373	1750.1	75	0	10	132493	1762.1	50	0	22.18	21.02	20.63	19.20	0.373	0.286	0.261	0.188	1
15	132499	1762.7	1	74	10	132619	1774.7	1	0	24.10	23.34	20.86	19.39	0.581	0.488	0.275	0.196	1
15	132499	1762.7	75	0	10	132619	1774.7	50	0	22.08	21.15	20.63	19.01	0.365	0.294	0.261	0.180	1
10	132027	1715.5	1	49	20	132171	1729.9	1	0	24.16	23.29	20.85	19.47	0.589	0.482	0.275	0.200	1
10	132027	1715.5	50	0	20	132171	1729.9	100	0	22.21	21.10	20.67	19.11	0.376	0.291	0.264	0.184	1
10	132328	1745.6	1	49	20	132472	1760	1	0	24.08	23.59	20.75	19.45	0.578	0.516	0.269	0.199	1
10	132328	1745.6	50	0	20	132472	1760	100	0	22.17	21.15	20.79	19.16	0.372	0.294	0.271	0.186	1
10	132428	1755.6	1	49	20	132572	1770	1	0	24.15	23.31	21.12	19.38	0.587	0.484	0.292	0.196	1
10	132428	1755.6	50	0	20	132572	1770	100	0	22.19	21.07	20.53	19.17	0.374	0.289	0.255	0.187	1
20	132072	1720	1	99	10	132216	1734.4	1	0	24.10	23.42	20.87	19.39	0.581	0.497	0.276	0.196	1
20	132072	1720	100	0	10	132216	1734.4	50	0	22.13	21.08	20.80	19.05	0.369	0.290	0.272	0.182	1
20	132373	1750.1	1	99	10	132517	1764.5	1	0	24.14	23.37	20.88	19.43	0.586	0.491	0.277	0.198	1
20	132373	1750.1	100	0	10	132517	1764.5	50	0	22.04	21.11	20.82	19.10	0.361	0.292	0.273	0.184	1
20	132473	1760.1	1	99	10	132617	1774.5	1	0	24.06	23.71	21.09	19.41	0.575	0.531	0.290	0.197	1
20	132473	1760.1	100	0	10	132617	1774.5	50	0	22.12	21.21	20.47	19.05	0.368	0.299	0.252	0.182	1
15	132047	1717.5	1	74	15	132197	1732.5	1	0	24.16	23.78	20.79	19.29	0.589	0.540	0.271	0.192	1
15	132047	1717.5	75	0	15	132197	1732.5	75	0	22.13	21.09	20.55	19.00	0.369	0.290	0.256	0.179	1
15	132347	1747.5	1	74	15	132497	1762.5	1	0	24.12	23.29	21.11	19.32	0.583	0.482	0.292	0.193	1
15	132347	1747.5	75	0	15	132497	1762.5	75	0	22.10	21.07	20.68	19.05	0.366	0.289	0.264	0.182	1
15	132447	1757.5	1	74	15	132597	1772.5	1	0	24.09	23.50	21.08	19.51	0.579	0.506	0.290	0.202	1
15	132447	1757.5	75	0	15	132597	1772.5	75	0	22.00	21.09	20.83	19.15	0.358	0.290	0.274	0.186	1
15	132050	1717.8	1	74	20	132221	1734.9	1	0	24.16	23.58	20.89	19.44	0.589	0.515	0.277	0.199	1
15	132050	1717.8	75	0	20	132221	1734.9	100	0	22.11	21.00	20.45	19.02	0.367	0.284	0.251	0.180	1
15	132325	1745.3	1	74	20	132496	1762.4	1	0	24.15	23.41	20.99	19.50	0.587	0.495	0.284	0.201	1
15	132325	1745.3	75	0	20	132496	1762.4	100	0	22.21	21.18	20.65	19.22	0.376	0.296	0.262	0.189	1
15	132401	1752.9	1	74	20	132572	1770	1	0	24.14	23.38	20.59	19.44	0.586	0.492	0.259	0.199	1
15	132401	1752.9	75	0	20	132572	1770	100	0	22.10	21.13	20.63	19.12	0.366	0.293	0.261	0.185	1

PCC					SCC					Power				EIRP Power				Limit (W) EIRP
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	64-QAM (dBm)	256-QAM (dBm)	QPSK EIRP(W)	16-QAM EIRP(W)	64-QAM EIRP(W)	256-QAM EIRP(W)	
20	132072	1720	1	99	15	132243	1734.4	1	0	24.15	23.39	20.81	19.32	0.587	0.493	0.272	0.193	1
20	132072	1720	100	0	15	132243	1734.4	75	0	22.06	21.07	20.47	19.05	0.363	0.289	0.252	0.182	1
20	132348	1747.6	1	99	15	132519	1764.7	1	0	24.09	23.66	21.04	19.36	0.579	0.525	0.287	0.195	1
20	132348	1747.6	100	0	15	132519	1764.7	75	0	22.16	21.07	20.40	19.23	0.372	0.289	0.248	0.189	1
20	132423	1755.1	1	99	15	132594	1772.2	1	0	24.13	23.49	20.98	19.38	0.585	0.505	0.283	0.196	1
20	132423	1755.1	100	0	15	132594	1772.2	75	0	22.05	21.03	20.48	18.99	0.362	0.286	0.252	0.179	1
20	132072	1720	1	99	5	132189	1731.7	1	0	24.11	23.63	21.01	19.43	0.582	0.521	0.285	0.198	1
20	132072	1720	100	0	5	132189	1731.7	25	0	22.12	21.06	20.78	19.10	0.368	0.288	0.270	0.184	1
20	132397	1752.5	1	99	5	132514	1764.2	1	0	24.11	23.74	21.02	19.30	0.582	0.535	0.286	0.192	1
20	132397	1752.5	100	0	5	132514	1764.2	25	0	22.18	21.16	20.49	19.18	0.373	0.295	0.253	0.187	1
20	132522	1765	1	99	5	132639	1776.7	1	0	24.05	23.26	20.69	19.48	0.574	0.479	0.265	0.200	1
20	132522	1765	100	0	5	132639	1776.7	25	0	22.14	21.00	20.67	19.05	0.370	0.284	0.264	0.182	1
5	132005	1713.3	1	24	20	132122	1725	1	0	24.03	23.47	21.04	19.30	0.571	0.502	0.287	0.192	1
5	132005	1713.3	25	0	20	132122	1725	100	0	22.15	21.17	20.78	19.14	0.371	0.296	0.270	0.185	1
5	132330	1745.8	1	24	20	132447	1757.5	1	0	24.13	23.58	20.77	19.31	0.585	0.515	0.270	0.193	1
5	132330	1745.8	25	0	20	132447	1757.5	100	0	22.08	21.19	20.47	19.13	0.365	0.297	0.252	0.185	1
5	132455	1758.3	1	24	20	132572	1770	1	0	24.10	23.56	21.15	19.48	0.581	0.513	0.294	0.200	1
5	132455	1758.3	25	0	20	132572	1770	100	0	22.17	21.01	20.57	19.13	0.372	0.285	0.258	0.185	1
20	132072	1720	1	99	20	132270	1739.8	1	0	24.13	23.69	21.05	19.43	0.585	0.528	0.288	0.198	1
20	132072	1720	100	0	20	132270	1739.8	100	0	22.06	20.98	20.74	19.04	0.363	0.283	0.268	0.181	1
20	132323	1745.1	1	99	20	132521	1764.9	1	0	24.17	23.34	20.96	19.54	0.590	0.488	0.282	0.203	1
20	132323	1745.1	100	0	20	132521	1764.9	100	0	22.00	21.11	20.52	19.10	0.358	0.292	0.255	0.184	1
20	132374	1750.2	1	99	20	132572	1770	1	0	24.12	23.79	20.96	19.50	0.583	0.541	0.282	0.201	1
20	132374	1750.2	100	0	20	132572	1770	100	0	22.13	21.19	20.64	19.14	0.369	0.297	0.262	0.185	1

Note:

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

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

Appendix B. Test Result of Occupied Bandwidth

Mode 1: LTE Band 2

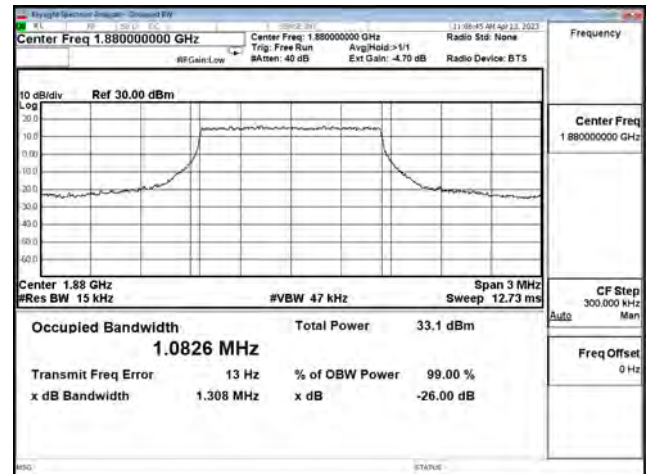
Bandwidth (MHz)	Modulation	Channel	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
				26dB BW	99% BW	
1.4	QPSK	18607	1850.7	1.287	1.082	N/A
		18900	1880	1.308	1.082	N/A
		19193	1909.3	1.306	1.082	N/A
	16-QAM	18607	1850.7	1.318	1.085	N/A
		18900	1880	1.310	1.086	N/A
		19193	1909.3	1.308	1.085	N/A
	64-QAM	18607	1850.7	1.284	1.084	N/A
		18900	1880	1.319	1.083	N/A
		19193	1909.3	1.306	1.084	N/A
	256-QAM	18607	1850.7	1.304	1.082	N/A
		18900	1880	1.296	1.081	N/A
		19193	1909.3	1.335	1.083	N/A
3	QPSK	18615	1851.5	3.049	2.695	N/A
		18900	1880	3.022	2.696	N/A
		19185	1908.5	3.012	2.696	N/A
	16-QAM	18615	1851.5	3.001	2.694	N/A
		18900	1880	3.027	2.693	N/A
		19185	1908.5	3.013	2.694	N/A
	64-QAM	18615	1851.5	3.004	2.692	N/A
		18900	1880	3.007	2.694	N/A
		19185	1908.5	2.988	2.700	N/A
	256-QAM	18615	1851.5	3.030	2.698	N/A
		18900	1880	3.012	2.693	N/A
		19185	1908.5	2.997	2.698	N/A
5	QPSK	18625	1852.5	5.042	4.488	N/A
		18900	1880	4.988	4.494	N/A
		19175	1907.5	5.065	4.485	N/A
	16-QAM	18625	1852.5	5.097	4.480	N/A
		18900	1880	5.031	4.485	N/A
		19175	1907.5	5.046	4.485	N/A
	64-QAM	18625	1852.5	5.044	4.469	N/A
		18900	1880	5.038	4.487	N/A
		19175	1907.5	5.043	4.483	N/A
	256-QAM	18625	1852.5	5.058	4.487	N/A
		18900	1880	5.010	4.483	N/A
		19175	1907.5	5.098	4.476	N/A

Bandwidth (MHz)	Modulation	Channel	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
				26dB BW	99% BW	
10	QPSK	18650	1855	10.000	8.966	N/A
		18900	1880	9.865	8.972	N/A
		19150	1905	9.944	8.969	N/A
	16-QAM	18650	1855	9.881	8.970	N/A
		18900	1880	9.867	8.970	N/A
		19150	1905	9.878	8.972	N/A
	64-QAM	18650	1855	9.860	8.964	N/A
		18900	1880	9.896	8.959	N/A
		19150	1905	9.903	8.951	N/A
	256QAM	18650	1855	9.854	8.969	N/A
		18900	1880	9.838	8.973	N/A
		19150	1905	9.854	8.952	N/A
15	QPSK	18675	1857.5	14.750	13.456	N/A
		18900	1880	14.740	13.468	N/A
		19125	1902.5	14.730	13.454	N/A
	16-QAM	18675	1857.5	14.680	13.458	N/A
		18900	1880	14.730	13.450	N/A
		19125	1902.5	14.710	13.449	N/A
	64-QAM	18675	1857.5	14.870	13.448	N/A
		18900	1880	14.700	13.436	N/A
		19125	1902.5	14.750	13.433	N/A
	256-QAM	18675	1857.5	14.630	13.440	N/A
		18900	1880	14.760	13.452	N/A
		19125	1902.5	14.520	13.429	N/A
20	QPSK	18700	1860	19.430	17.891	N/A
		18900	1880	19.730	17.923	N/A
		19100	1900	19.640	17.900	N/A
	16-QAM	18700	1860	19.540	17.923	N/A
		18900	1880	19.450	17.905	N/A
		19100	1900	19.540	17.925	N/A
	64-QAM	18700	1860	19.630	17.913	N/A
		18900	1880	19.480	17.936	N/A
		19100	1900	19.480	17.897	N/A
	256-QAM	18700	1860	19.570	17.917	N/A
		18900	1880	19.490	17.932	N/A
		19100	1900	19.450	17.897	N/A

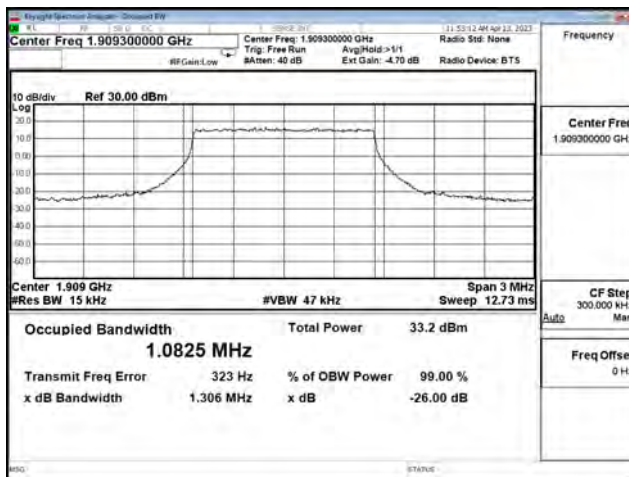
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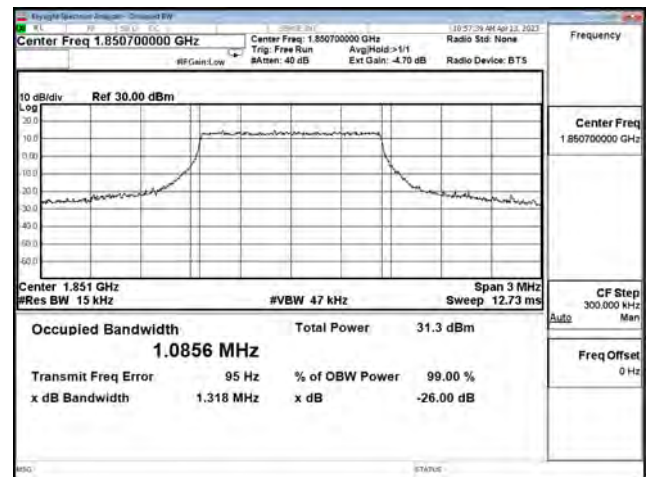
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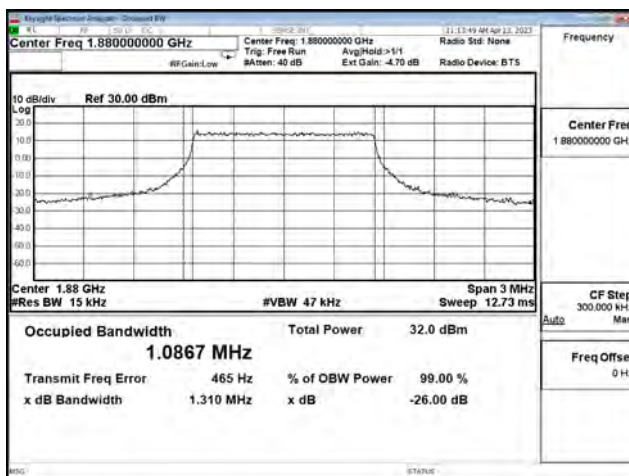
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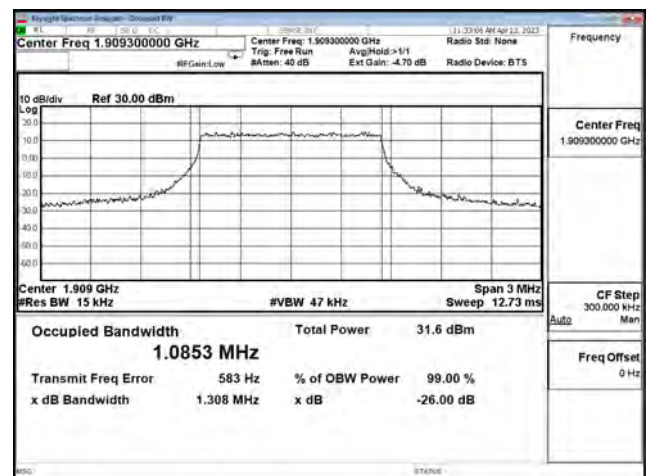
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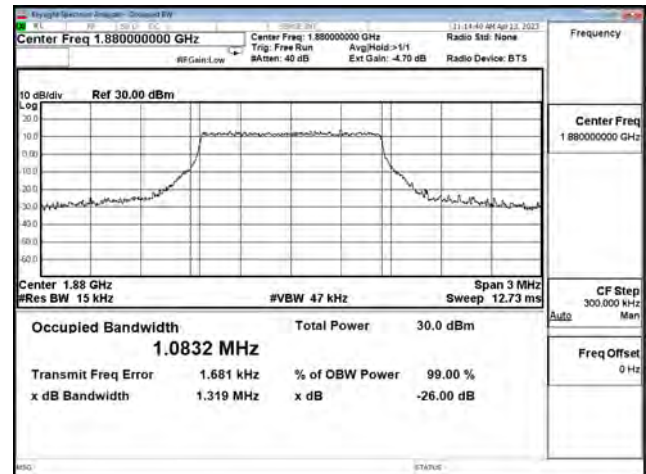
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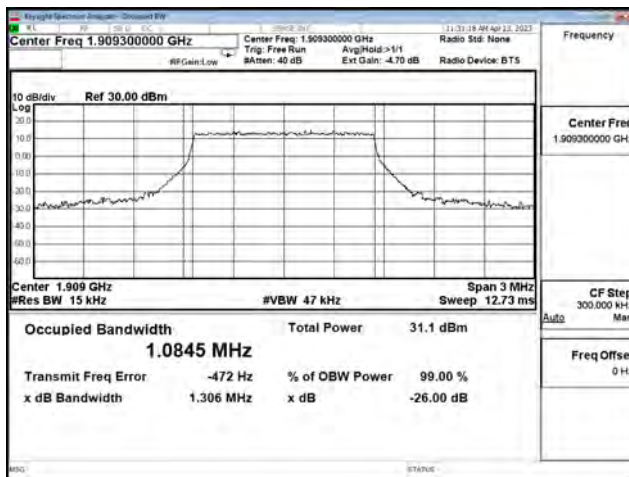
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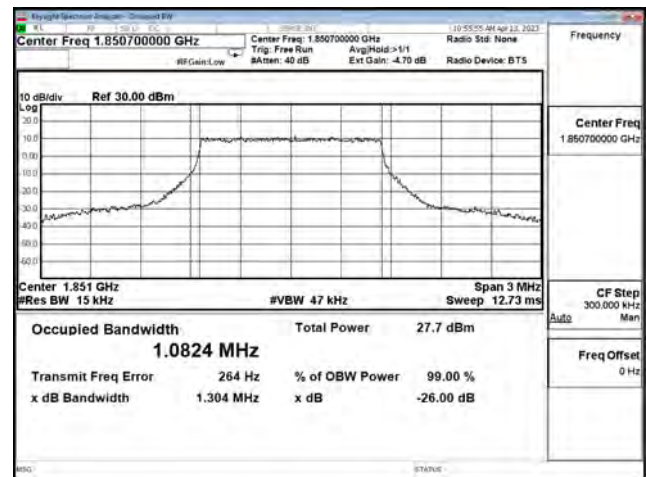
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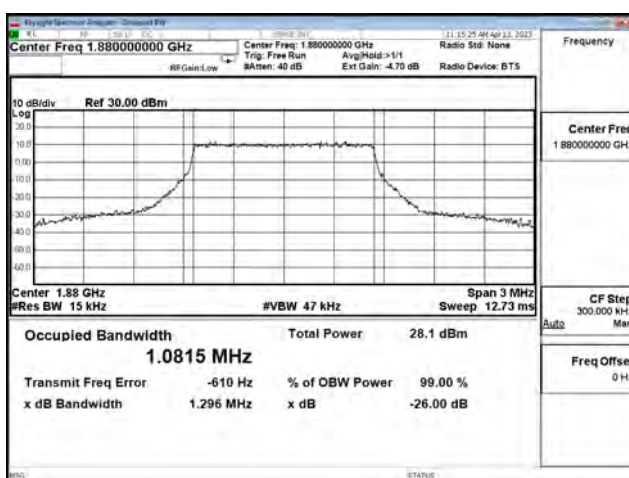
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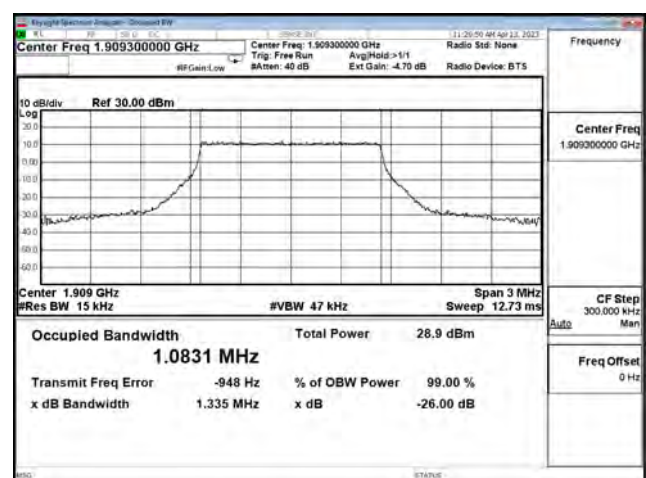
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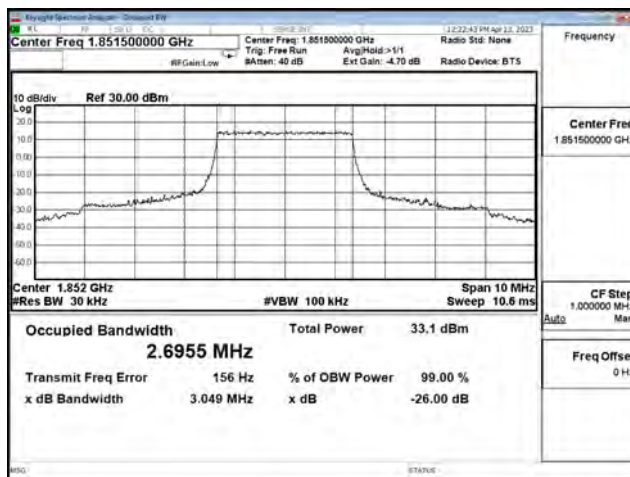
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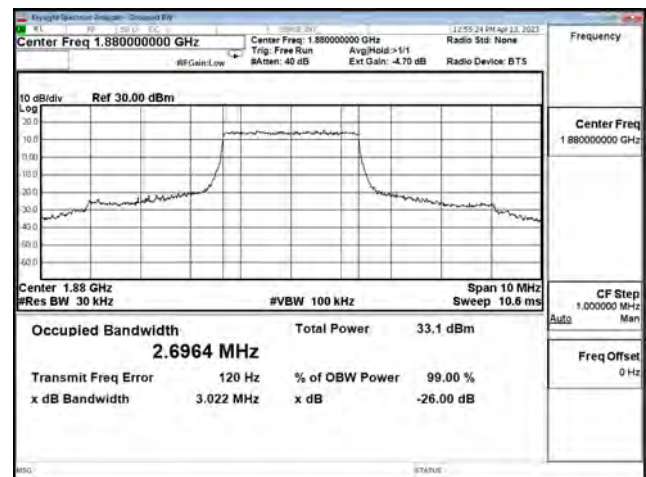
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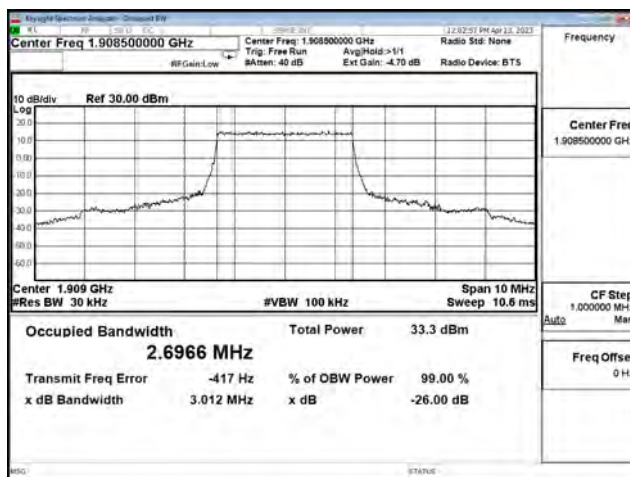
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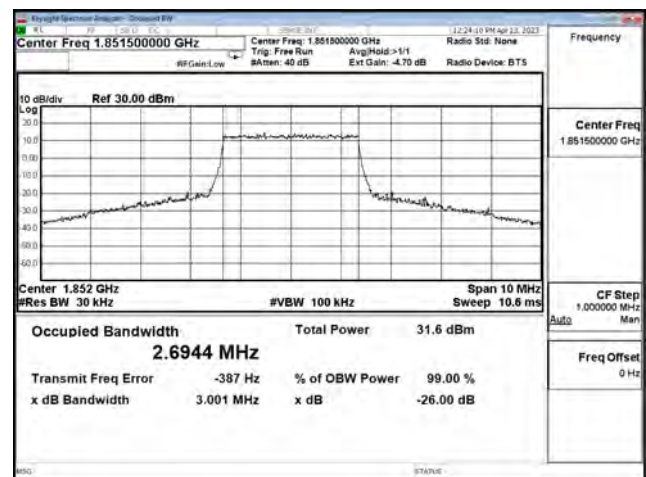
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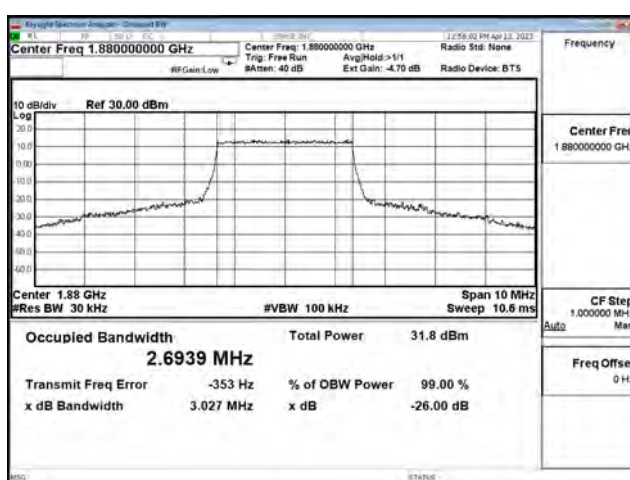
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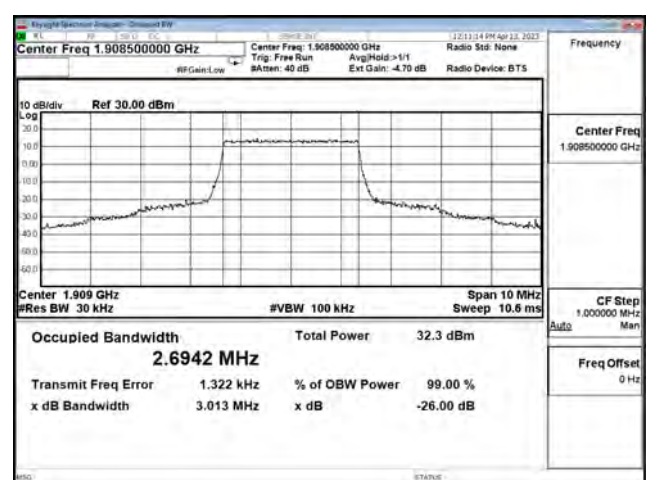
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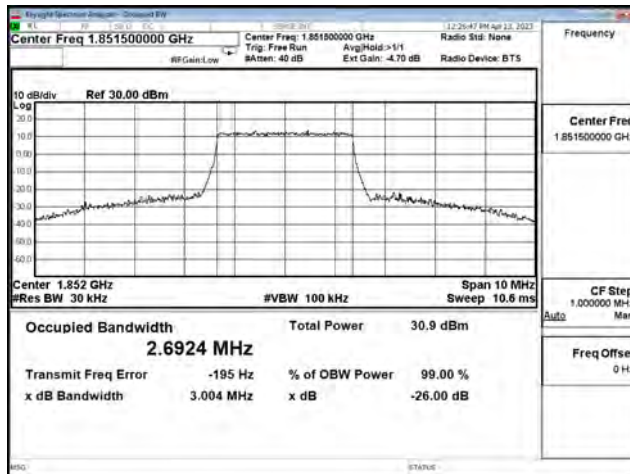
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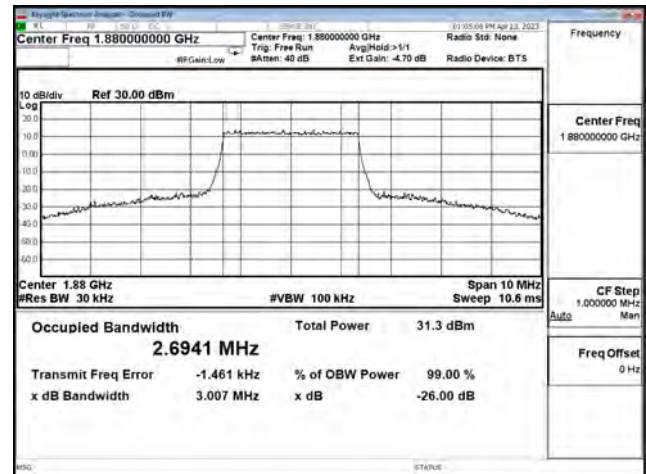
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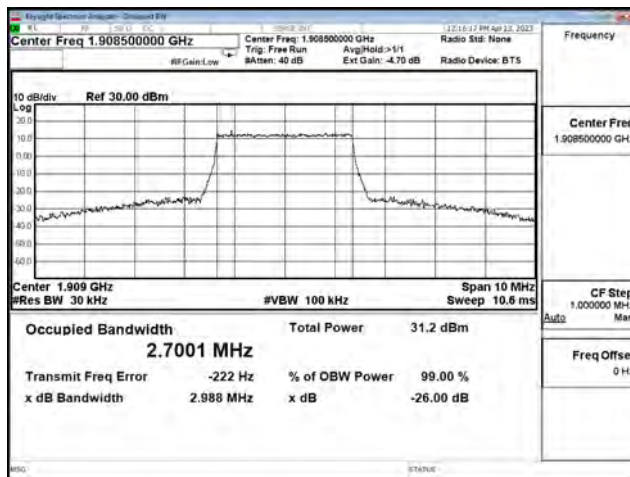
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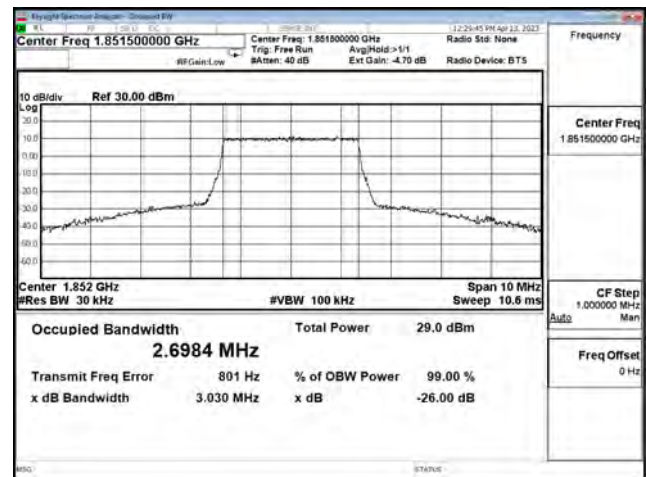
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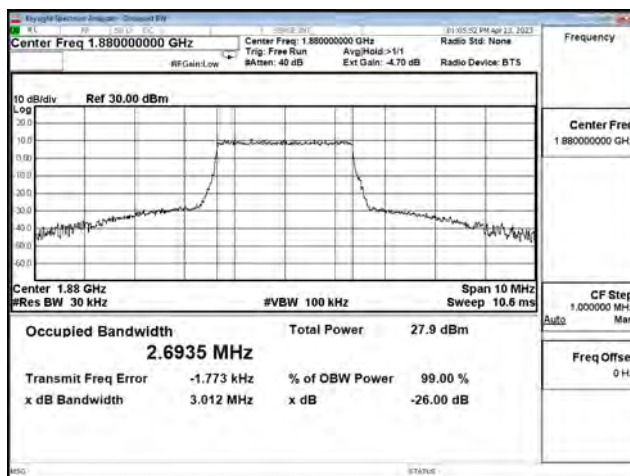
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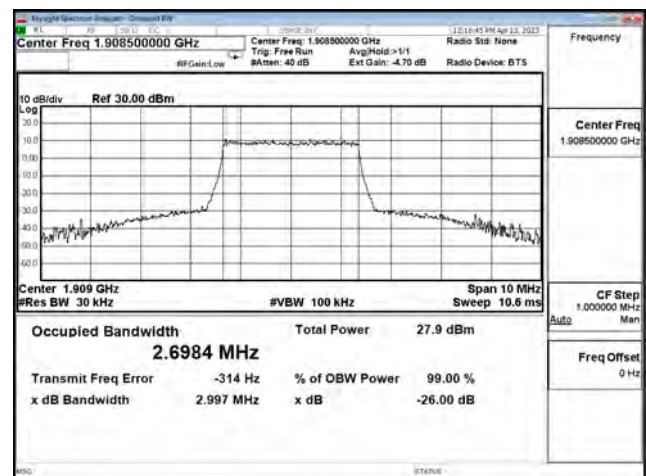
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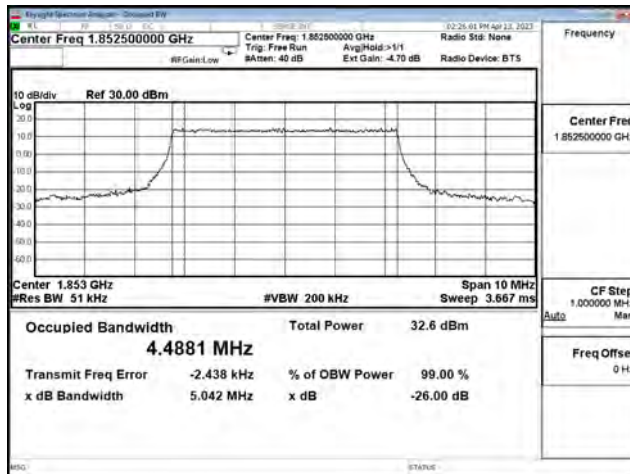
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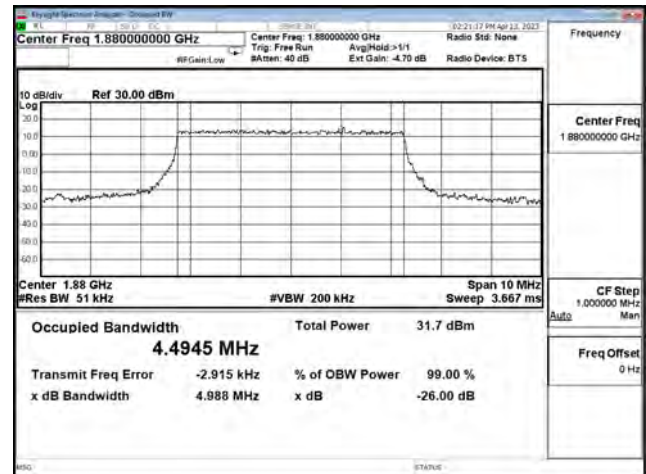
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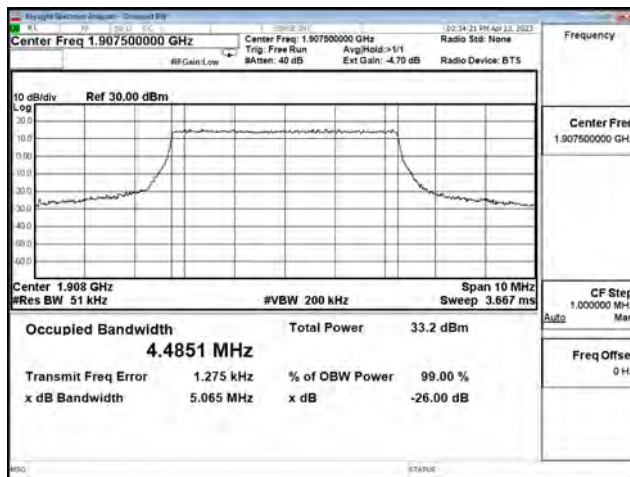
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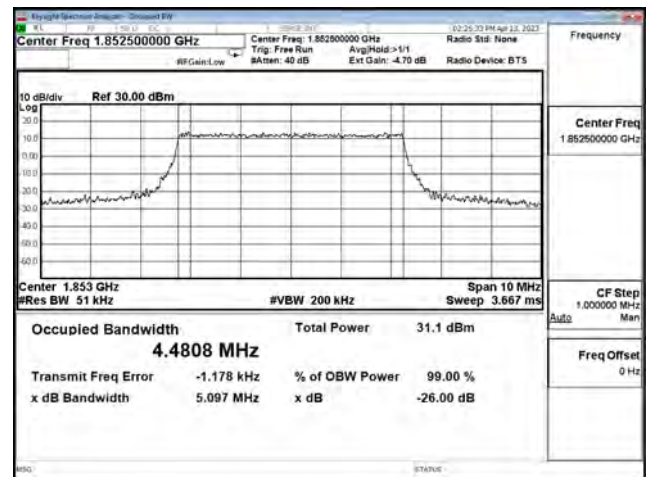
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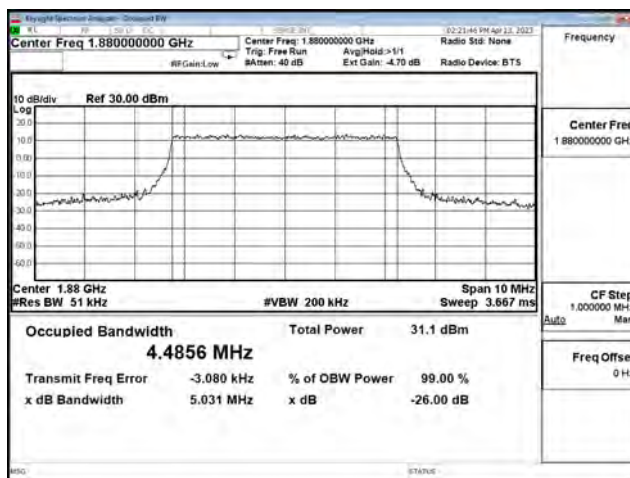
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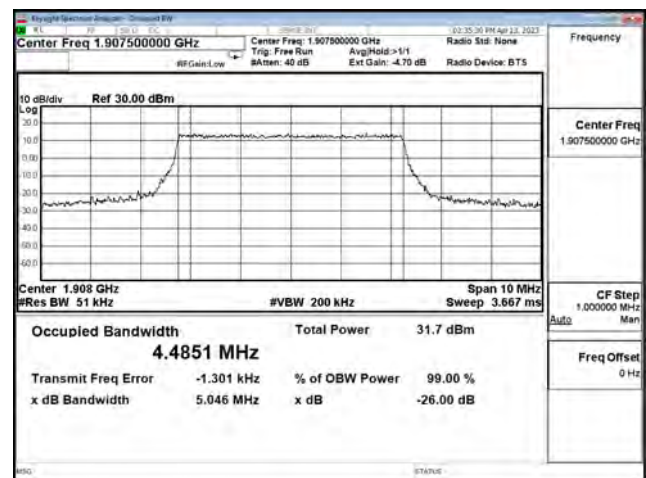
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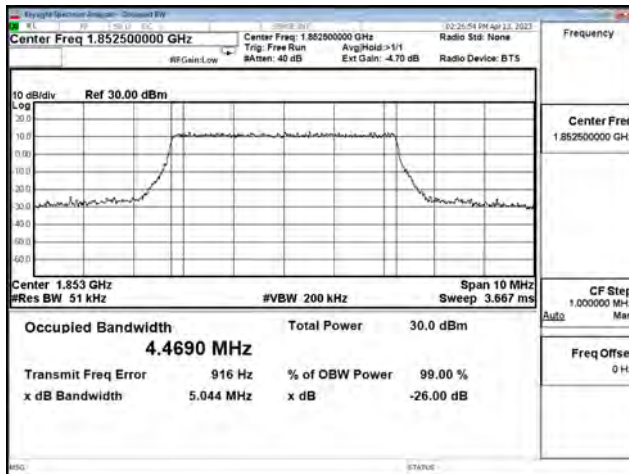
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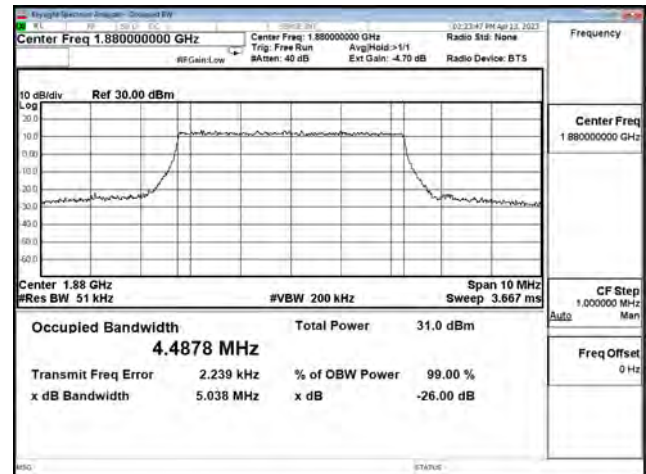
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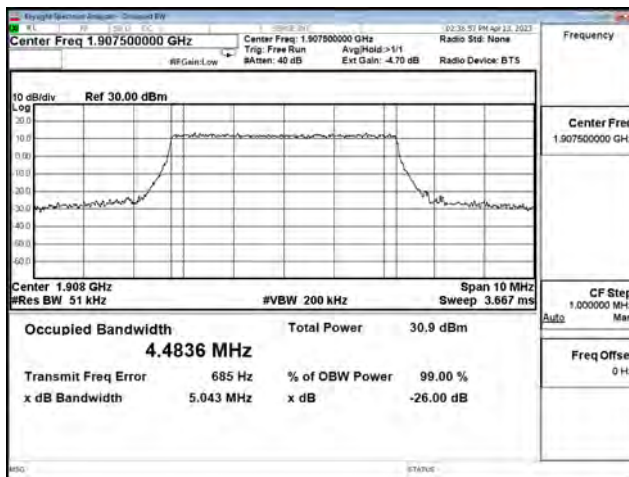
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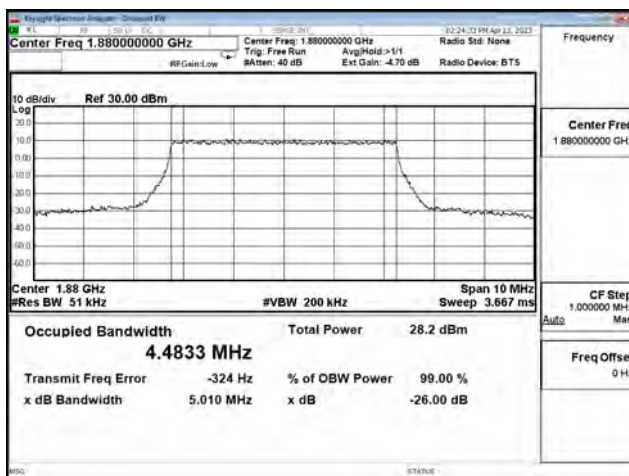
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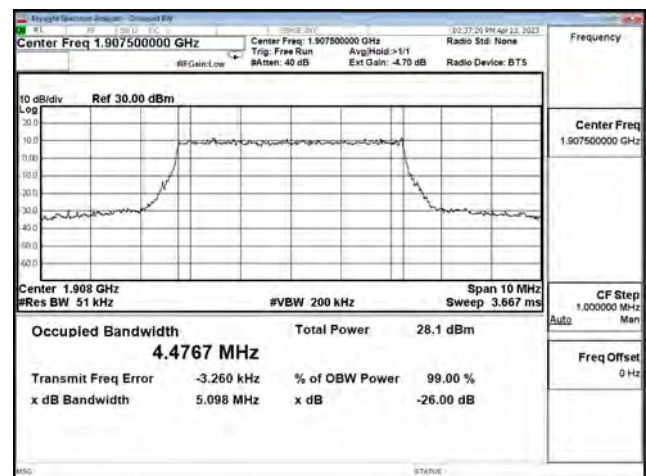
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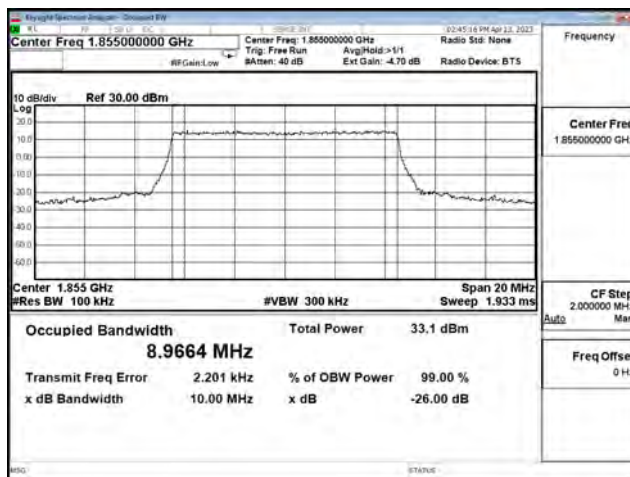
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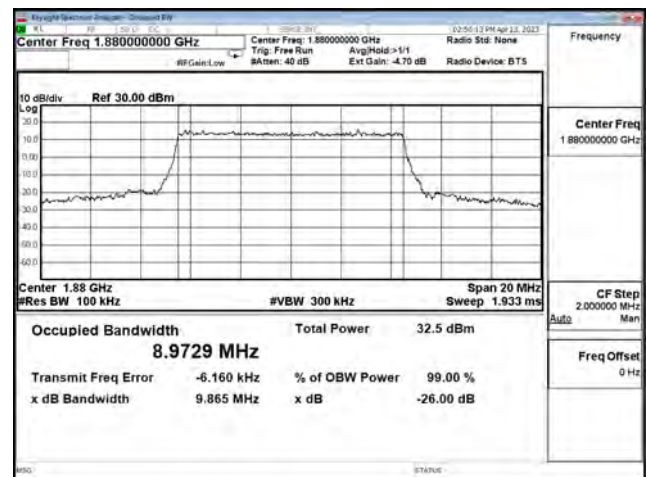
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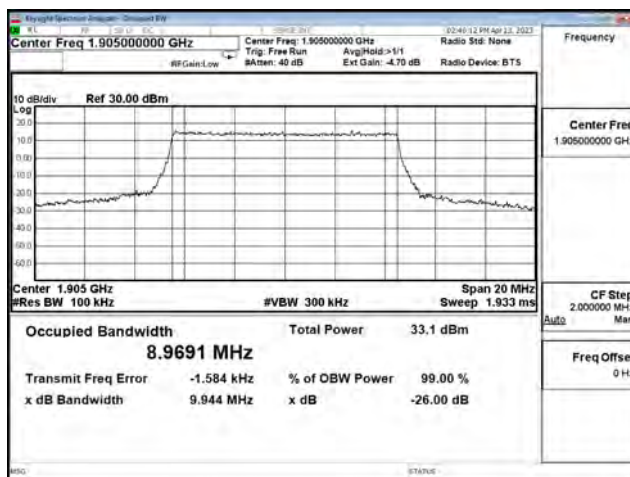
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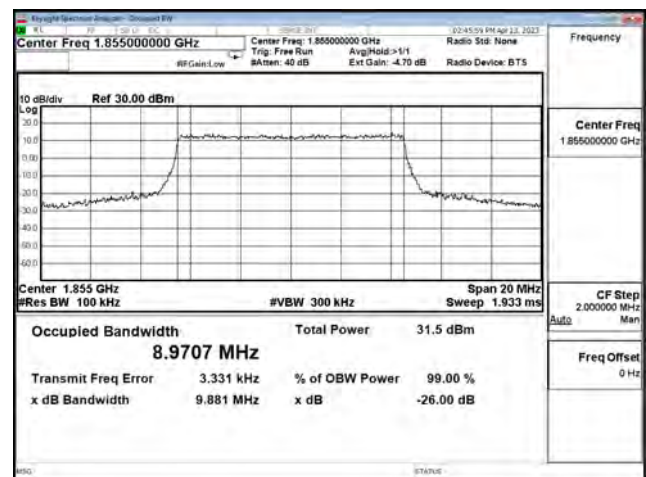
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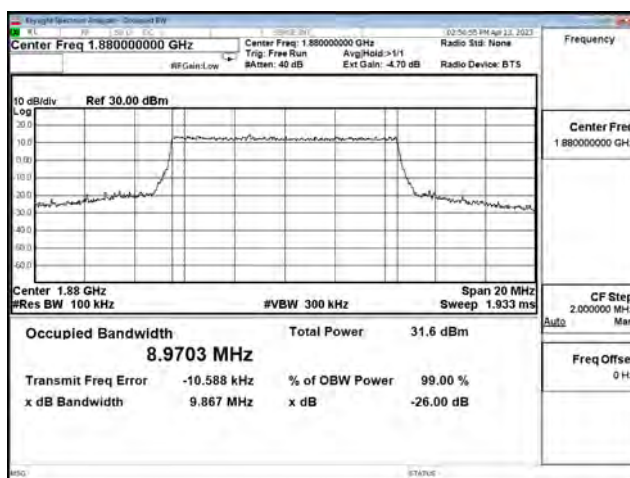
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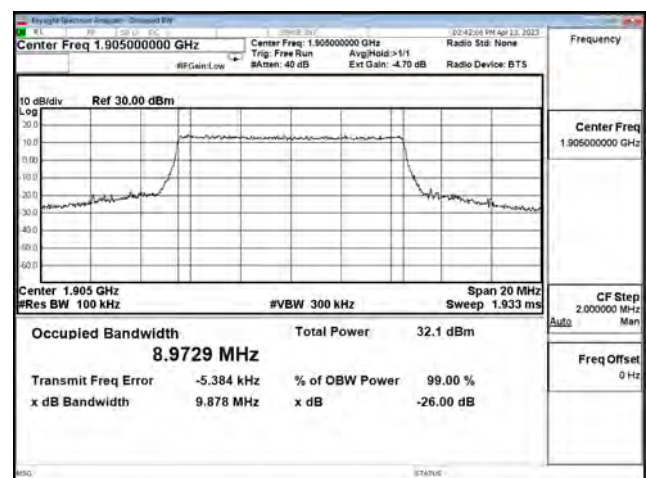
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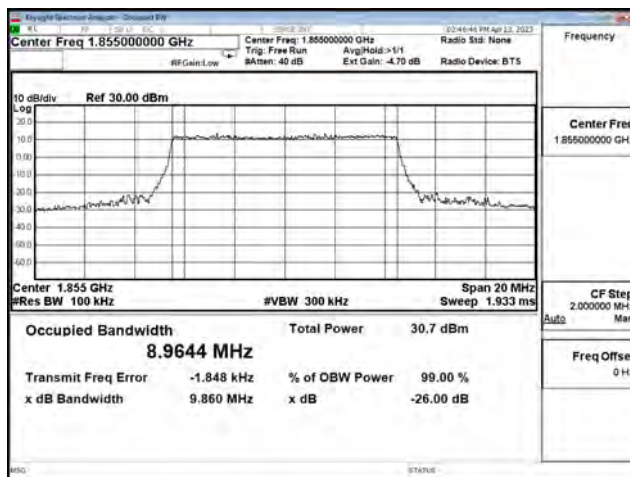
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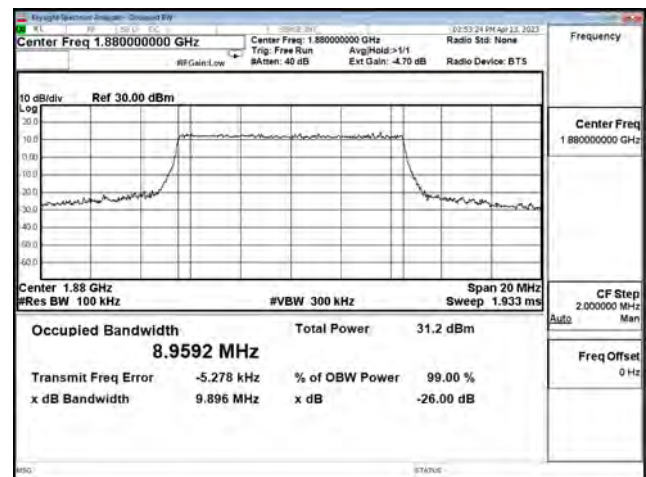
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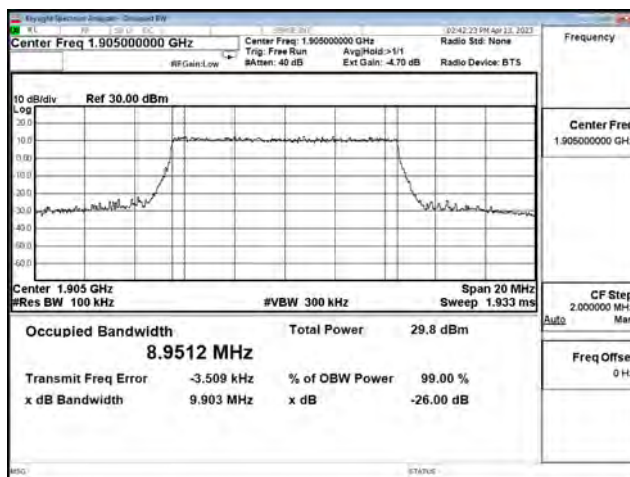
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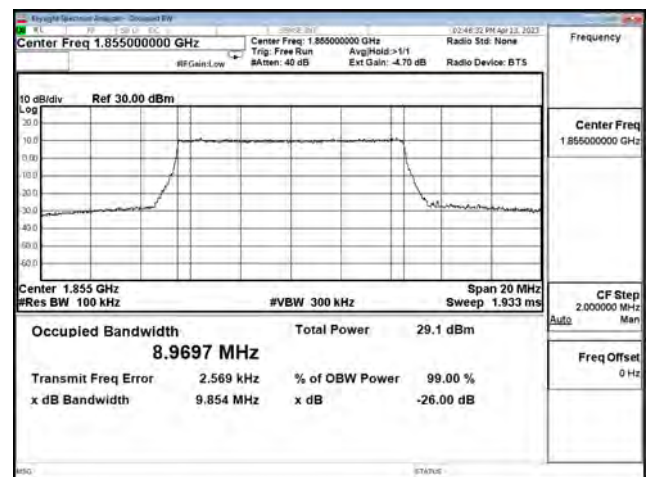
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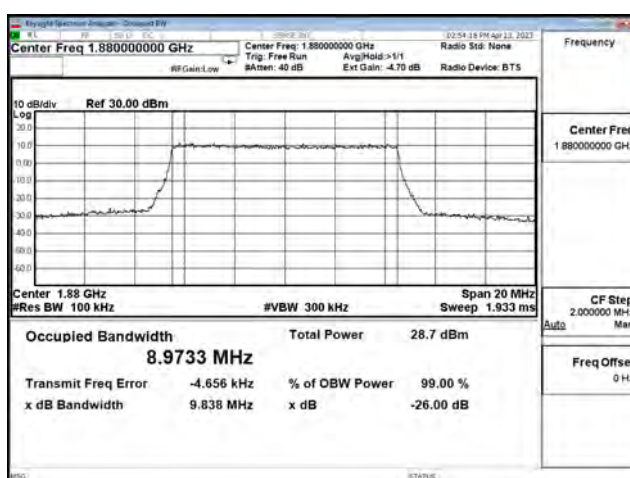
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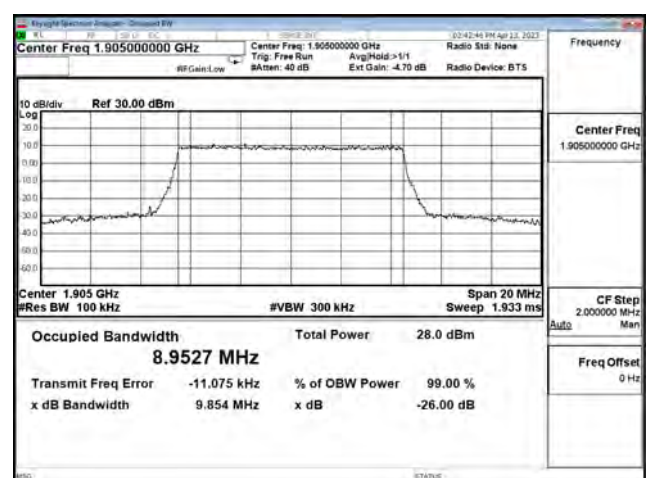
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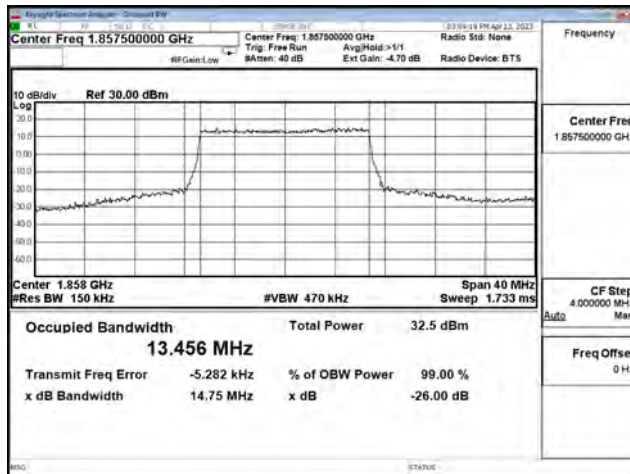
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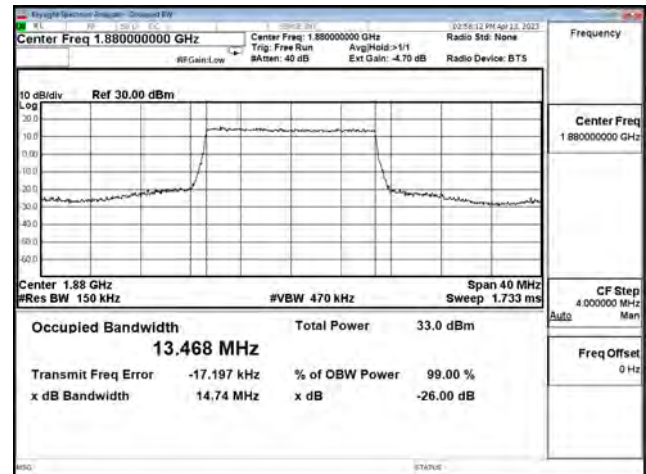
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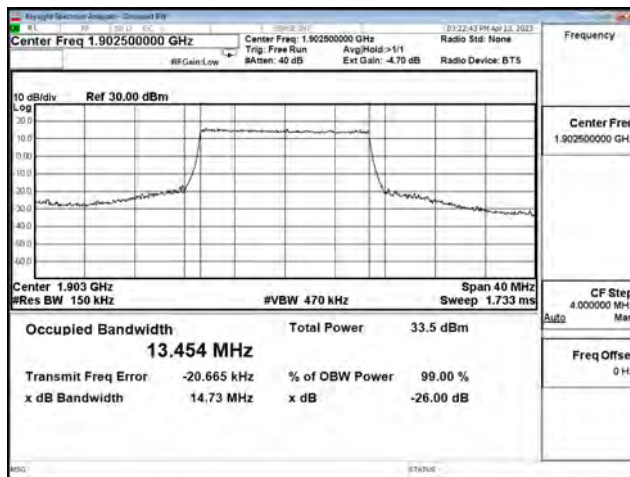
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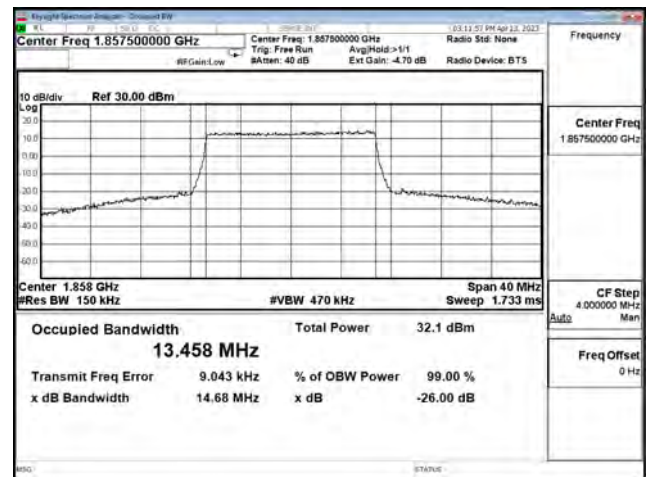
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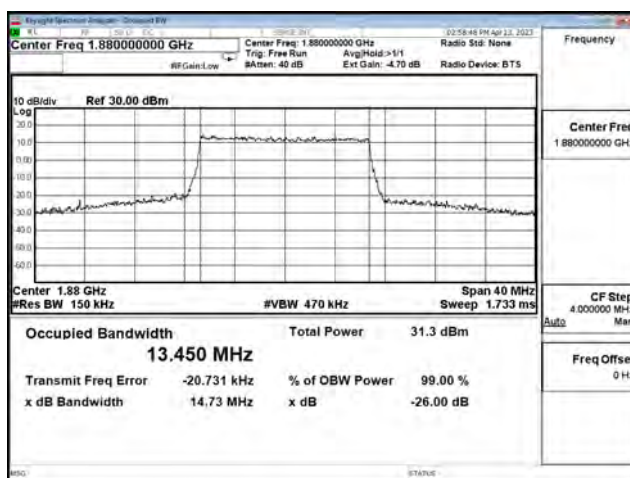
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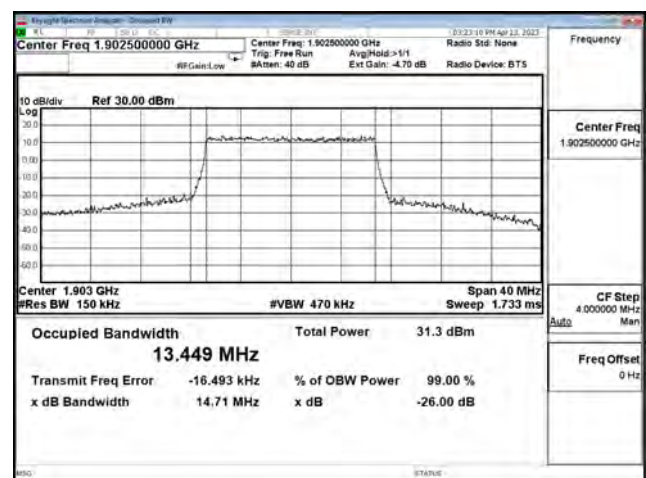
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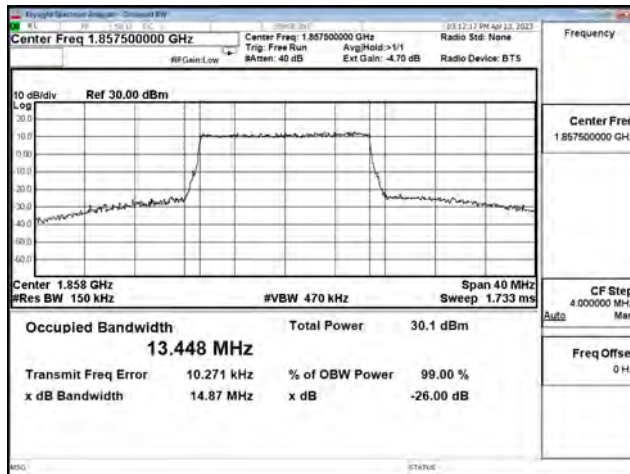
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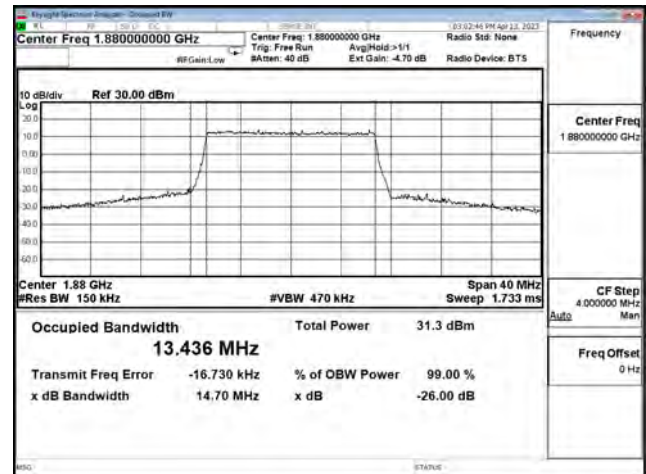
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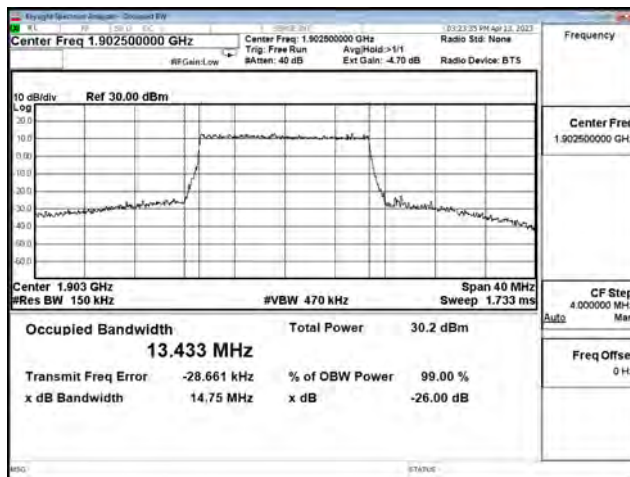
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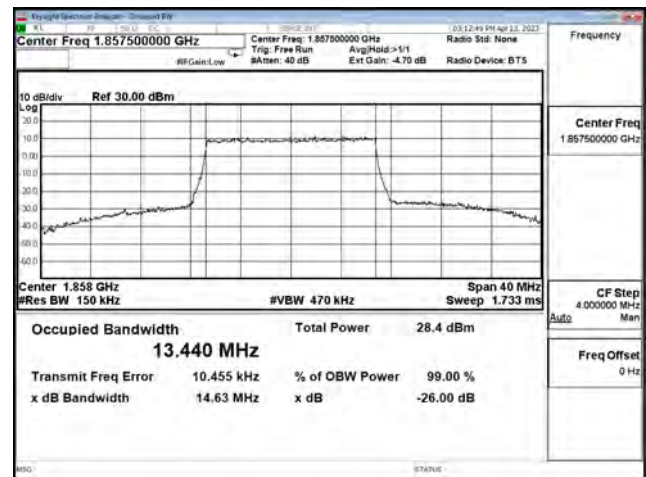
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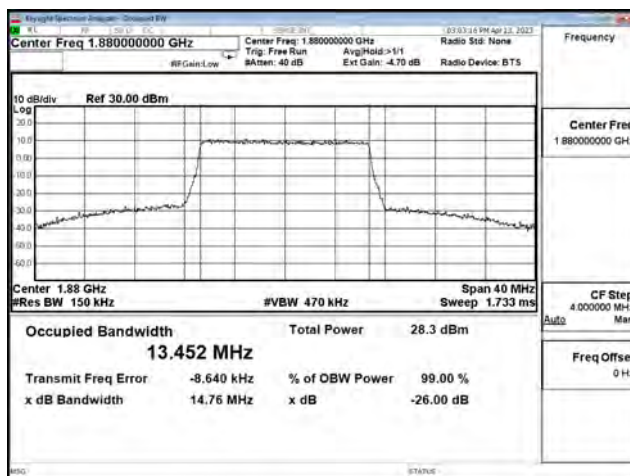
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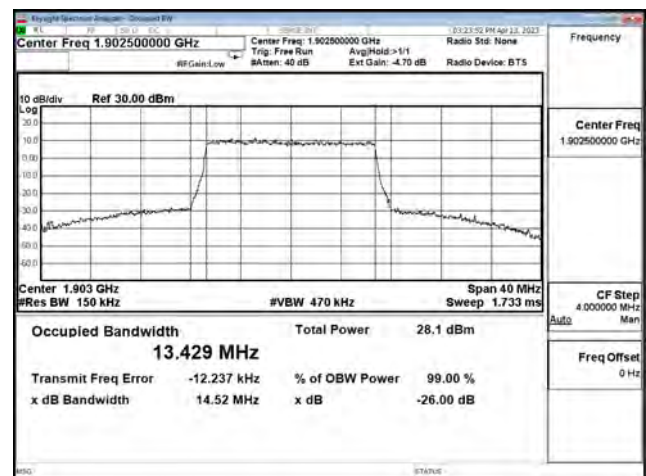
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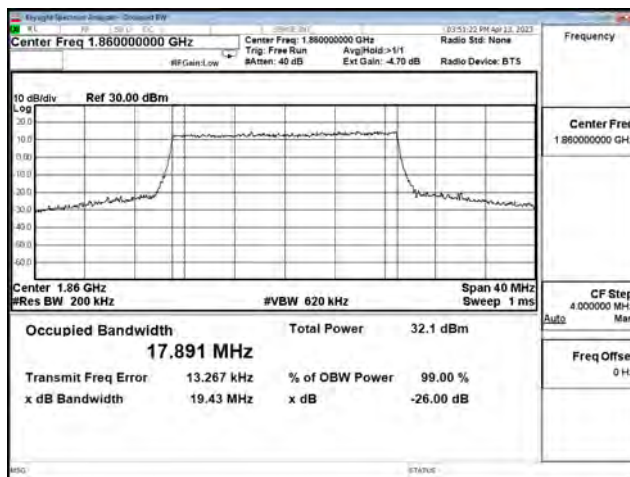
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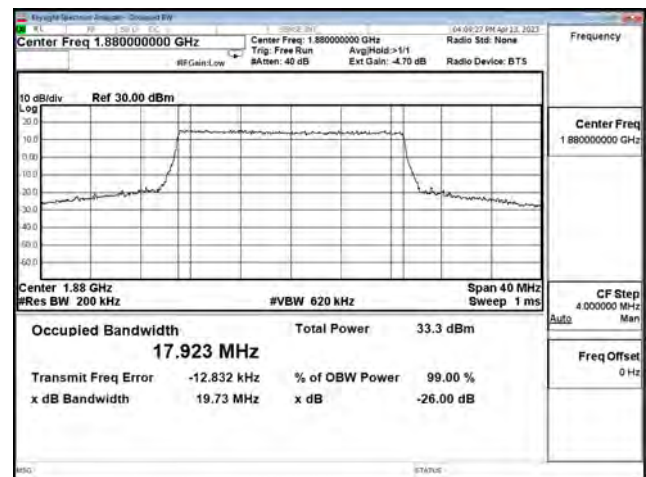
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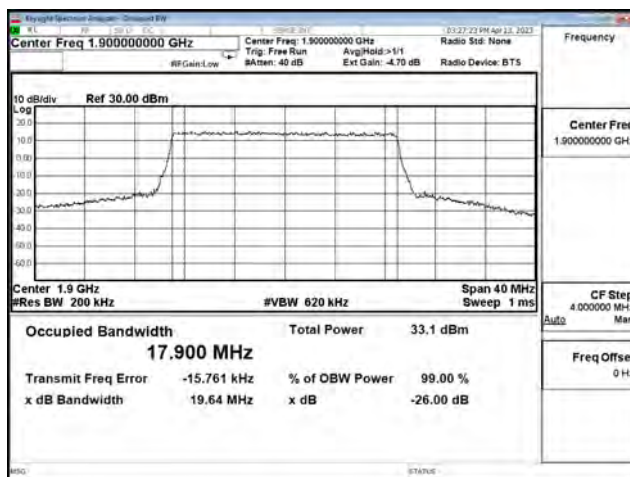
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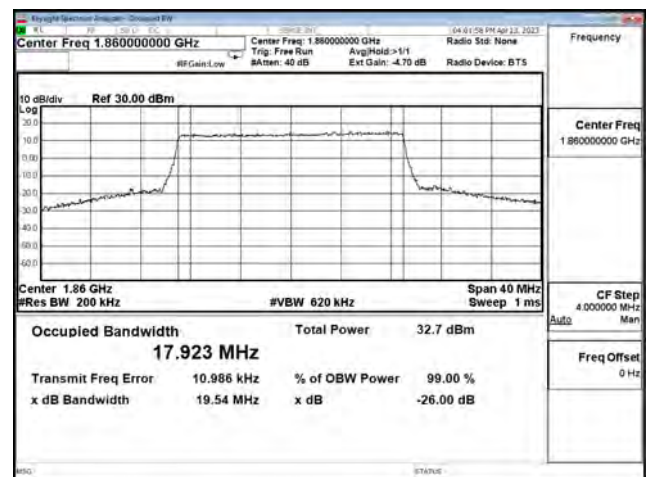
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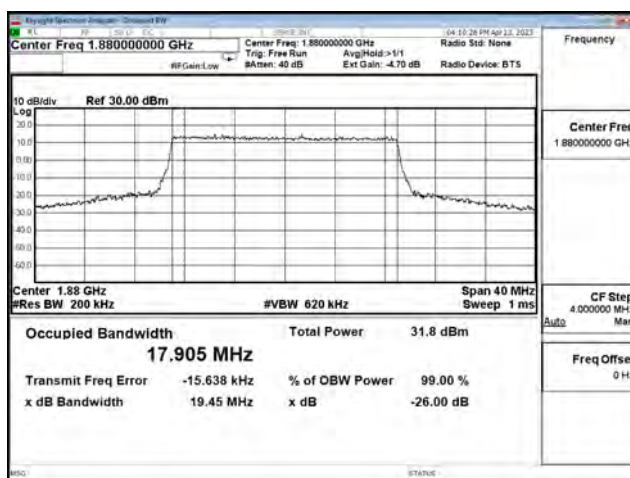
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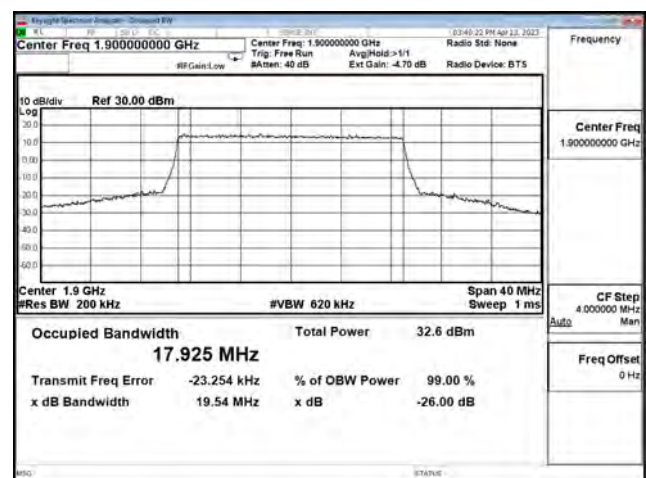
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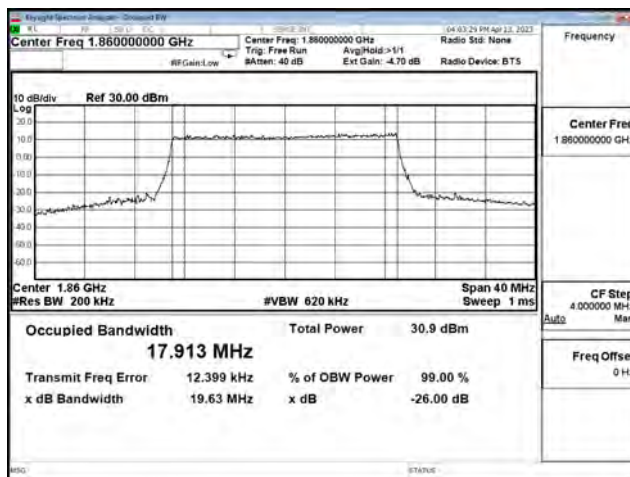
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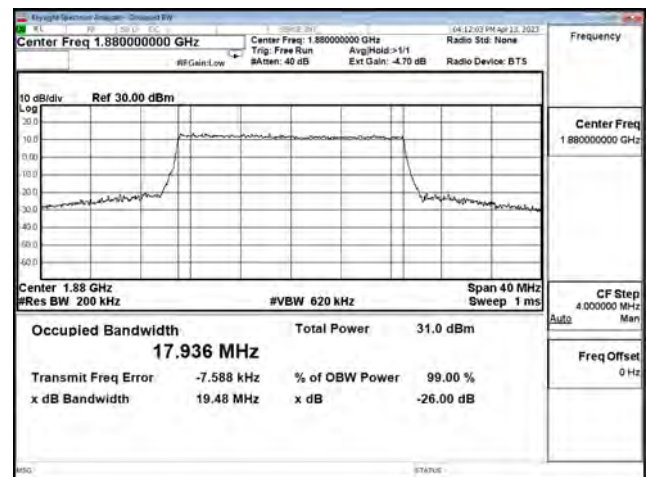
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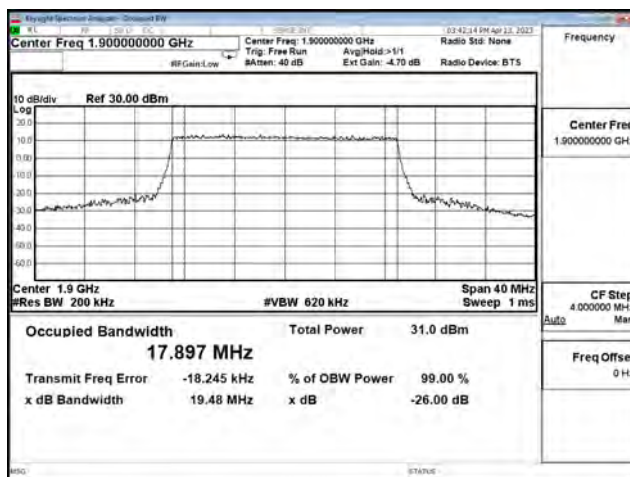
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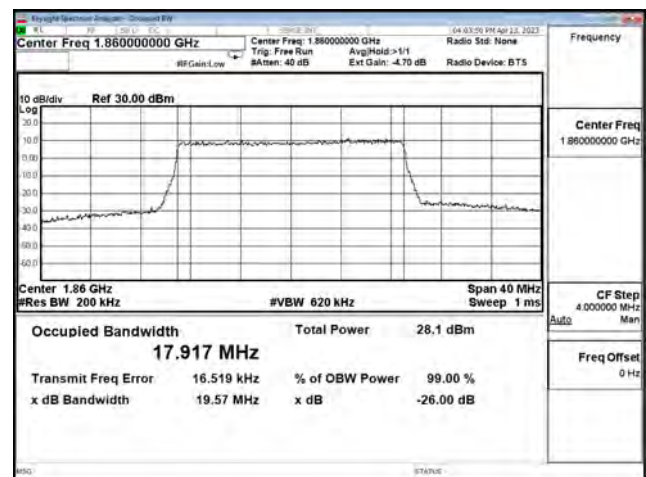
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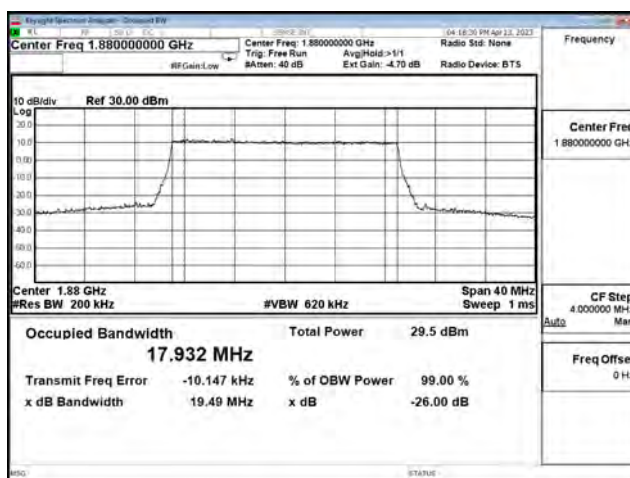
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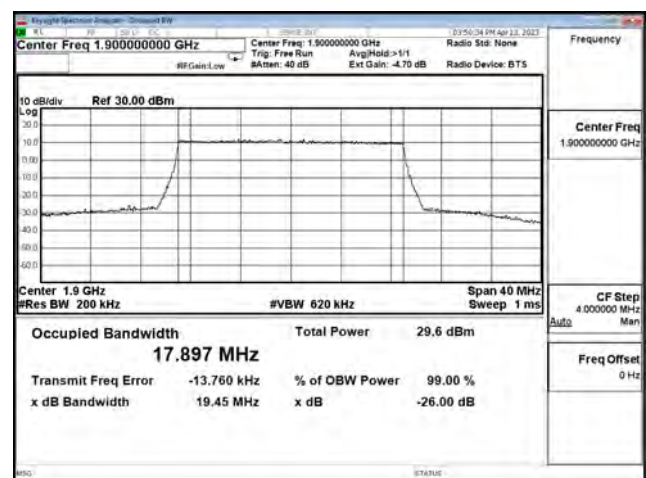
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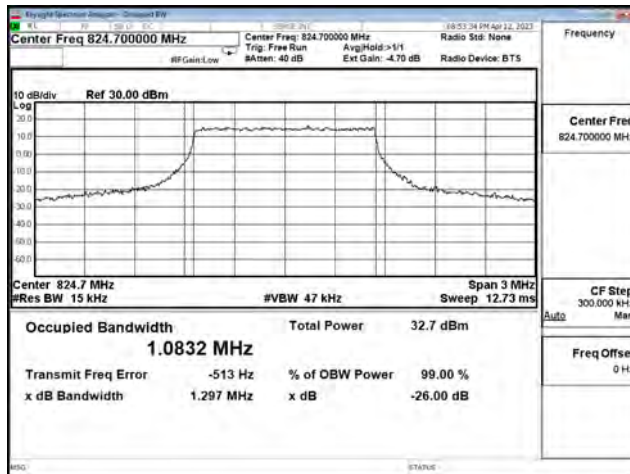


Mode 2: LTE Band 5

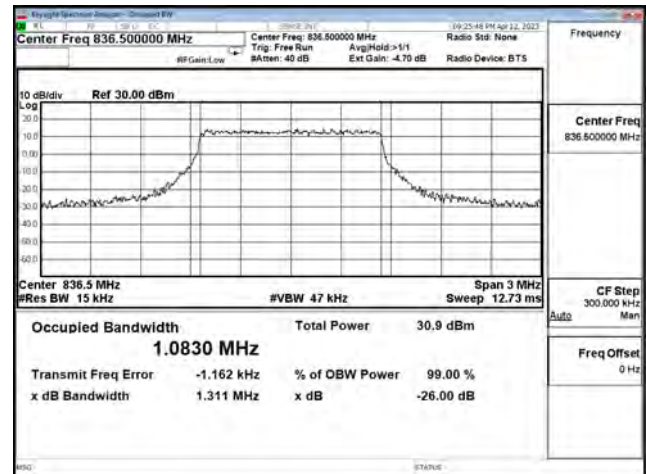
Bandwidth (MHz)	Modulation	Channel	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
				26dB BW	99% BW	
1.4	QPSK	20407	824.7	1.297	1.083	N/A
		20525	836.5	1.311	1.083	N/A
		20643	848.3	1.311	1.082	N/A
	16-QAM	20407	824.7	1.301	1.083	N/A
		20525	836.5	1.321	1.084	N/A
		20643	848.3	1.325	1.083	N/A
	64-QAM	20407	824.7	1.300	1.083	N/A
		20525	836.5	1.281	1.083	N/A
		20643	848.3	1.291	1.082	N/A
	256-QAM	20407	824.7	1.307	1.082	N/A
		20525	836.5	1.305	1.083	N/A
		20643	848.3	1.325	1.082	N/A
3	QPSK	20415	825.5	2.991	2.691	N/A
		20525	836.5	2.964	2.684	N/A
		20635	847.5	3.010	2.696	N/A
	16-QAM	20415	825.5	2.968	2.695	N/A
		20525	836.5	3.005	2.690	N/A
		20635	847.5	3.024	2.691	N/A
	64-QAM	20415	825.5	2.994	2.692	N/A
		20525	836.5	2.965	2.688	N/A
		20635	847.5	3.000	2.688	N/A
	256-QAM	20415	825.5	2.986	2.695	N/A
		20525	836.5	3.014	2.695	N/A
		20635	847.5	2.981	2.695	N/A
5	QPSK	20425	826.5	5.003	4.485	N/A
		20525	836.5	5.027	4.489	N/A
		20625	846.5	4.995	4.481	N/A
	16-QAM	20425	826.5	4.998	4.476	N/A
		20525	836.5	5.025	4.476	N/A
		20625	846.5	5.083	4.474	N/A
	64-QAM	20425	826.5	5.006	4.479	N/A
		20525	836.5	5.010	4.483	N/A
		20625	846.5	4.993	4.481	N/A
	256-QAM	20425	826.5	5.012	4.480	N/A
		20525	836.5	5.035	4.483	N/A
		20625	846.5	5.041	4.487	N/A

Bandwidth (MHz)	Modulation	Channel	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
				26dB BW	99% BW	
10	QPSK	20450.0	829.0	9.865	8.972	N/A
		20525.0	836.5	9.881	8.958	N/A
		20600.0	844.0	9.894	8.947	N/A
	16-QAM	20450.0	829.0	9.791	8.943	N/A
		20525.0	836.5	9.743	8.950	N/A
		20600.0	844.0	9.926	8.953	N/A
	64-QAM	20450.0	829.0	9.774	8.958	N/A
		20525.0	836.5	9.857	8.952	N/A
		20600.0	844.0	9.808	8.931	N/A
	256-QAM	20450.0	829.0	9.884	8.956	N/A
		20525.0	836.5	9.821	8.938	N/A
		20600.0	844.0	9.812	8.946	N/A

LTE Band 5_QPSK_CH20407_1.4M_6RB0



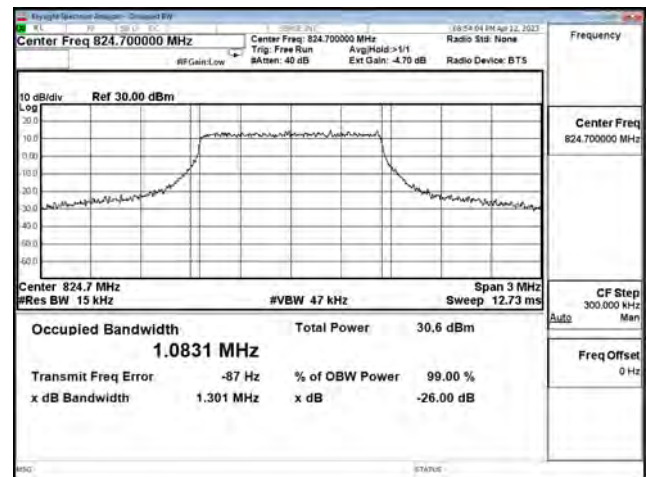
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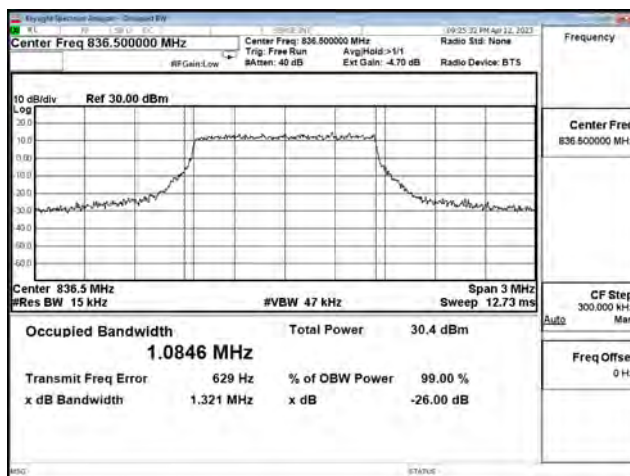
LTE Band 5_QPSK_CH20643_1.4M_6RB0



LTE Band 5_16QAM_CH20407_1.4M_6RB0



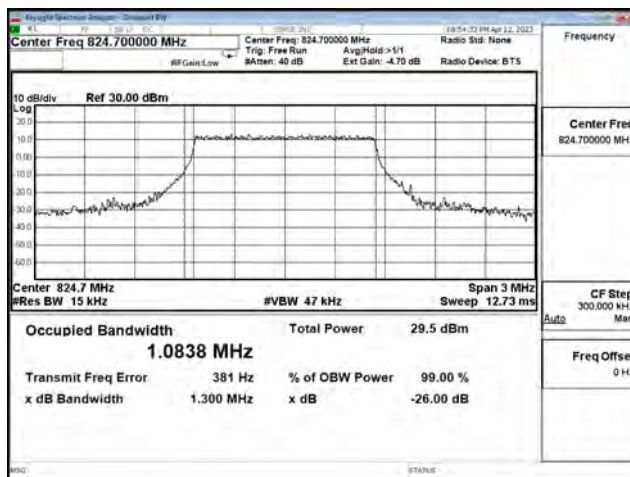
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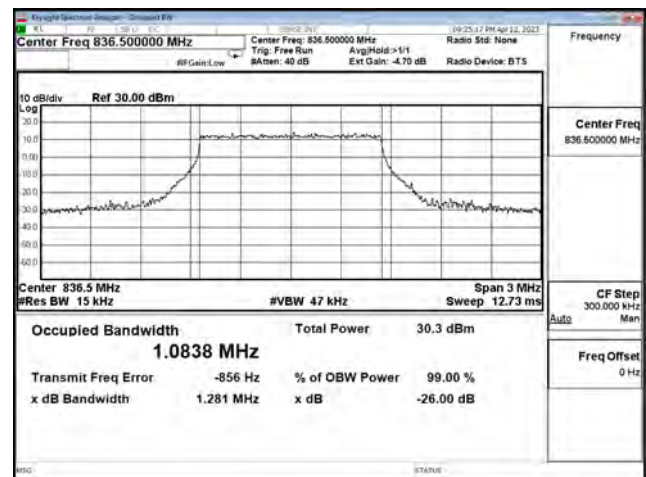
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LTE Band 5_64QAM_CH20407_1.4M_6RB0



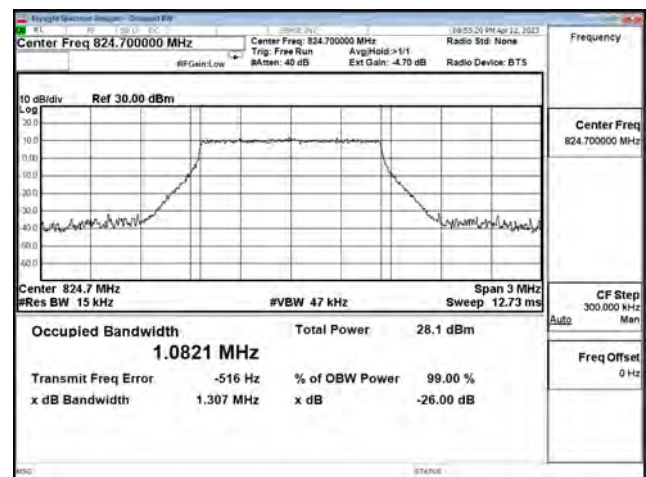
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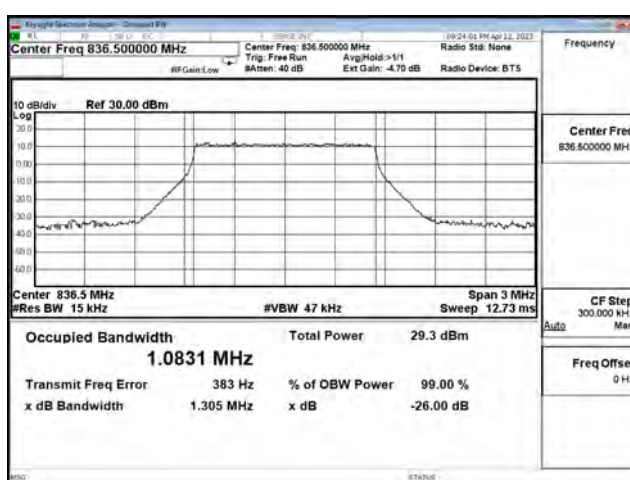
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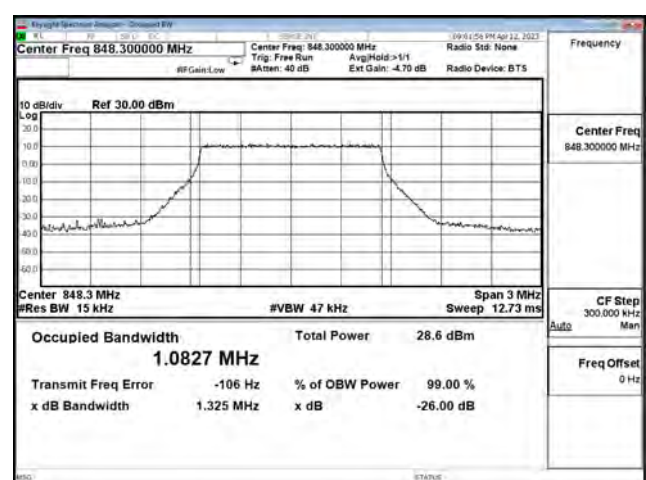
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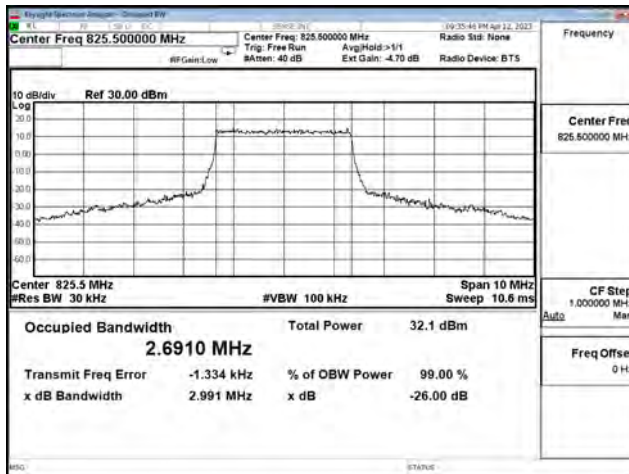
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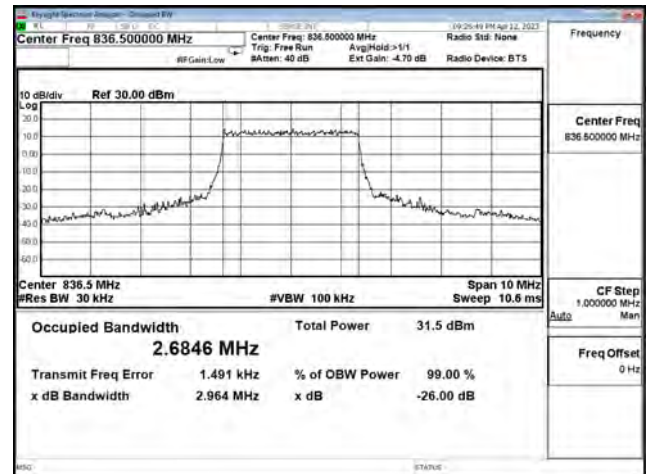
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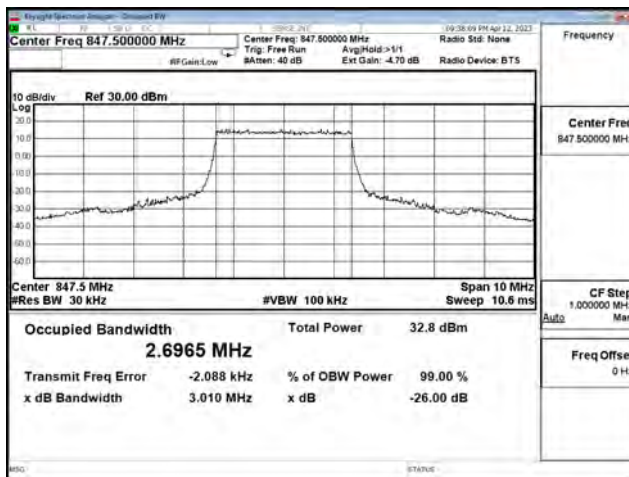
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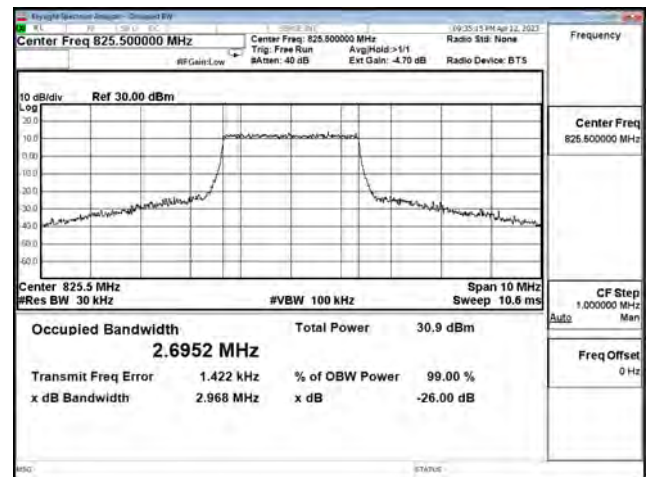
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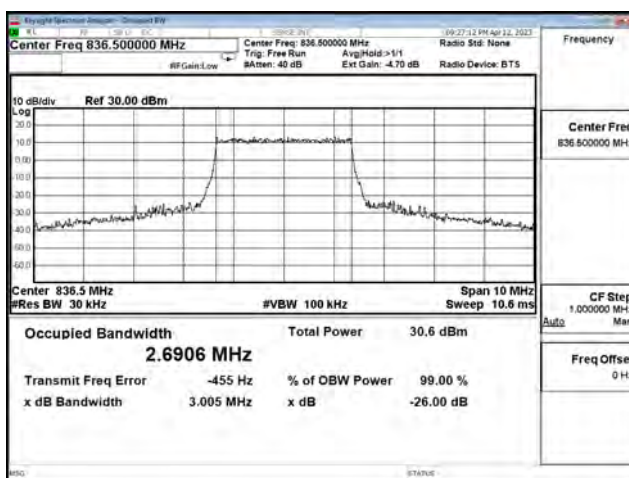
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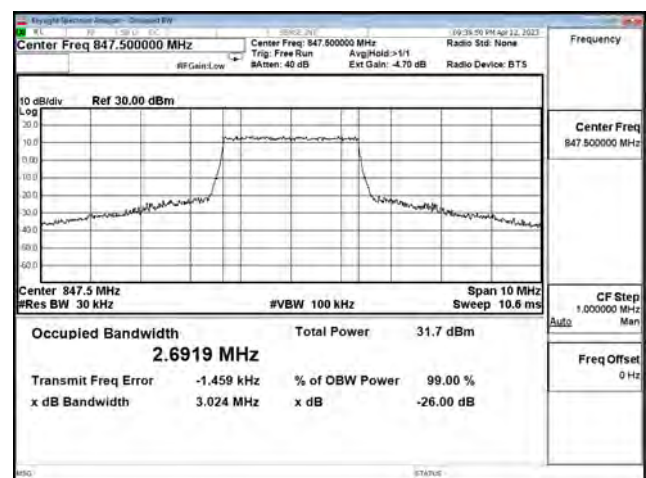
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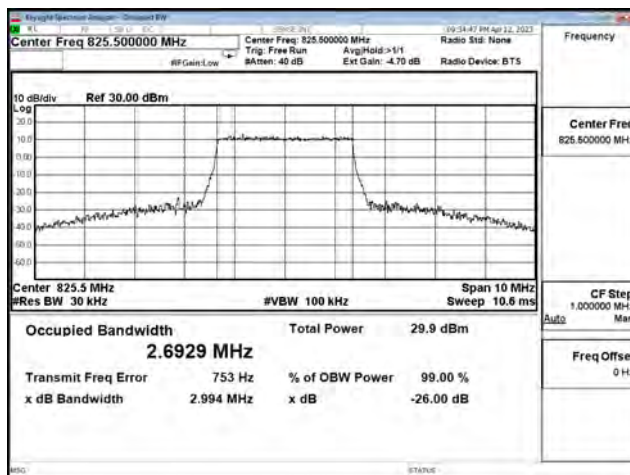
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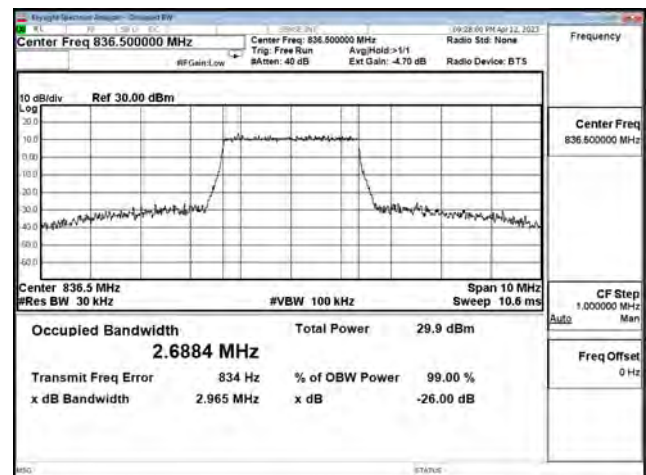
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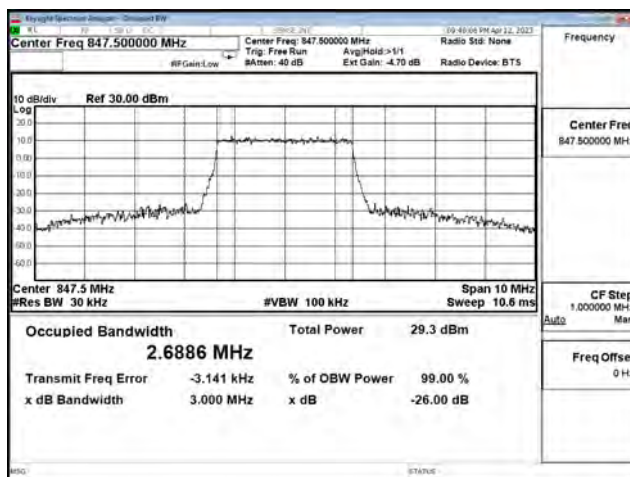
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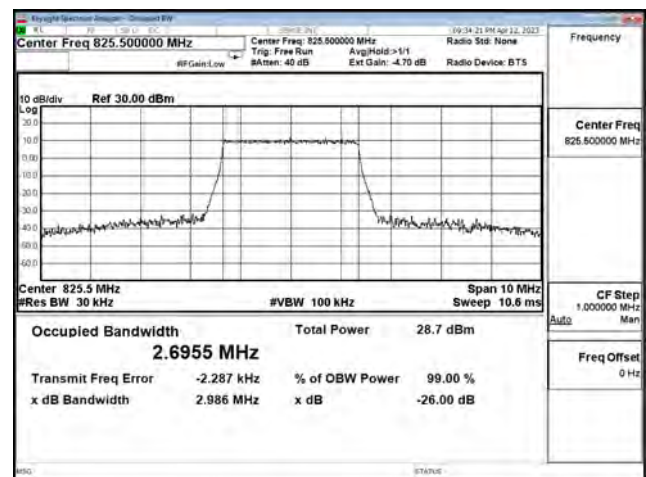
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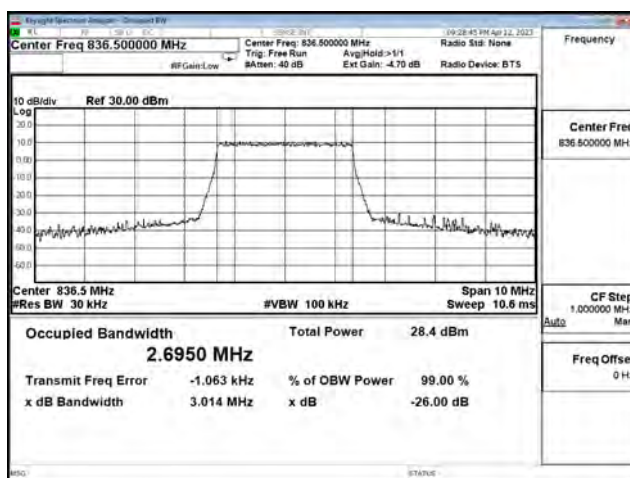
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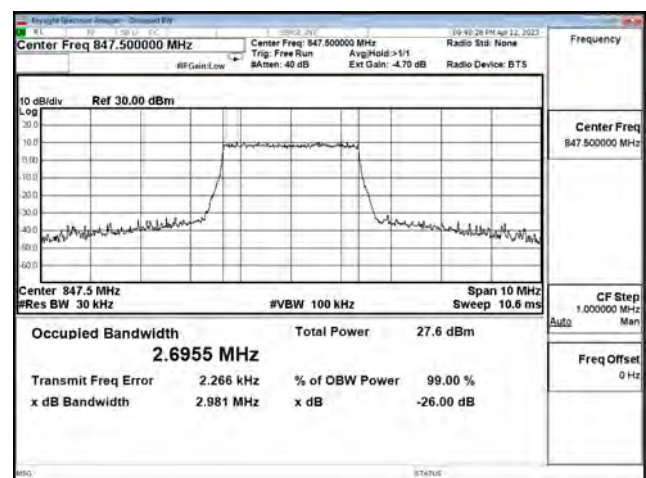
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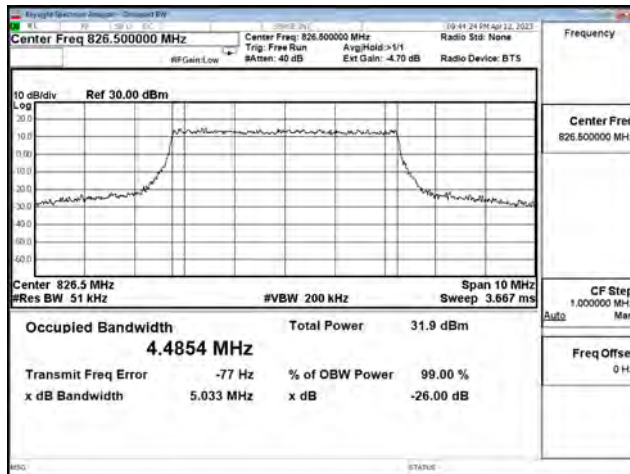
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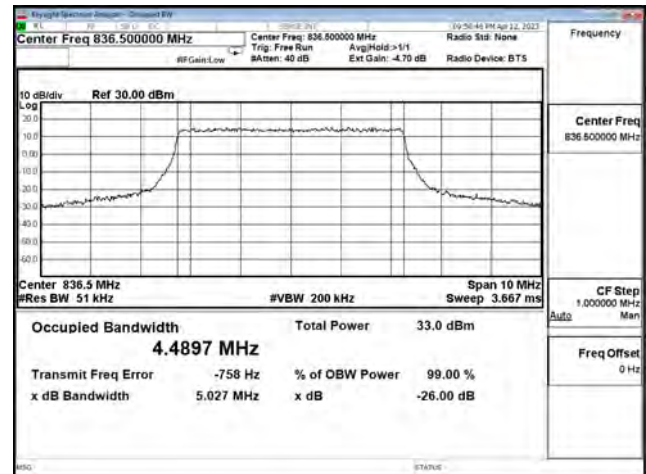
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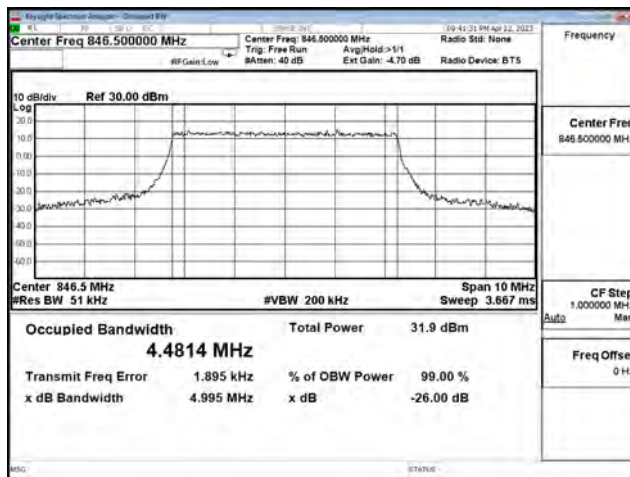
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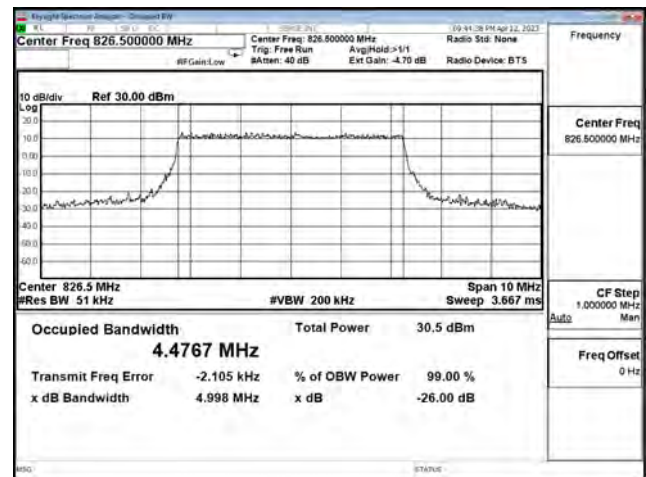
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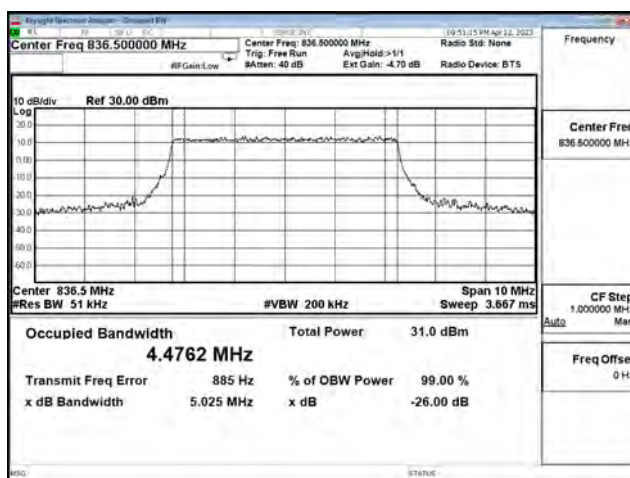
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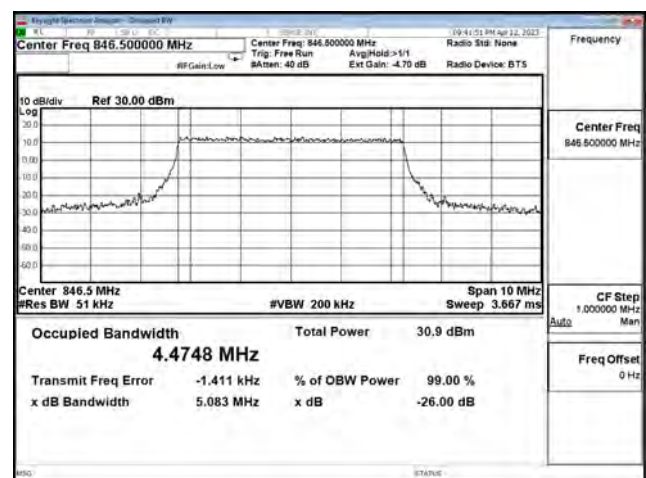
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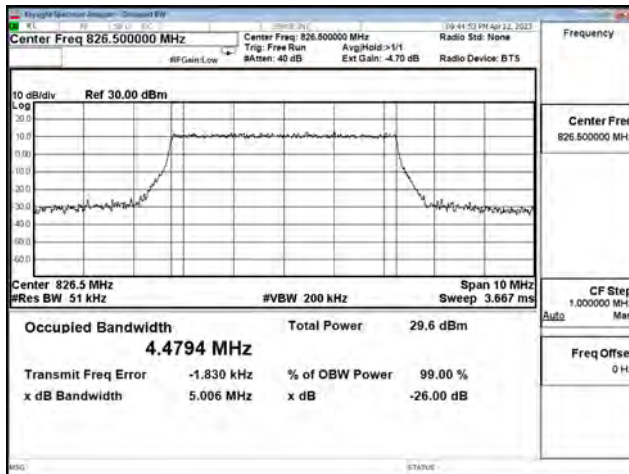
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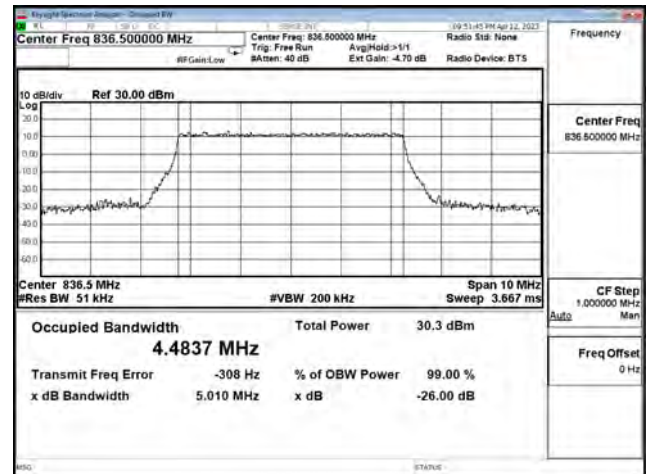
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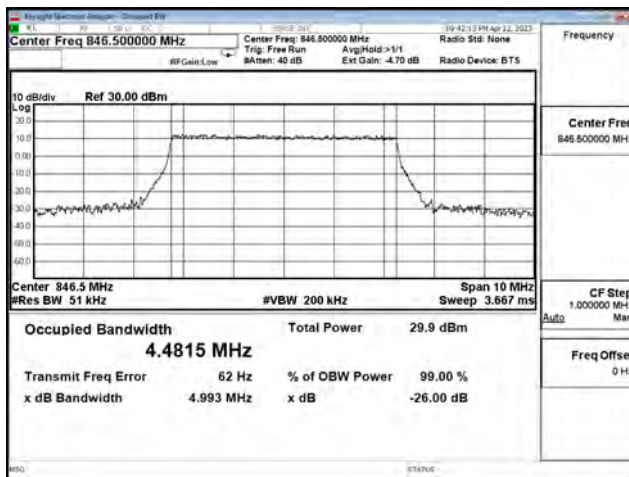
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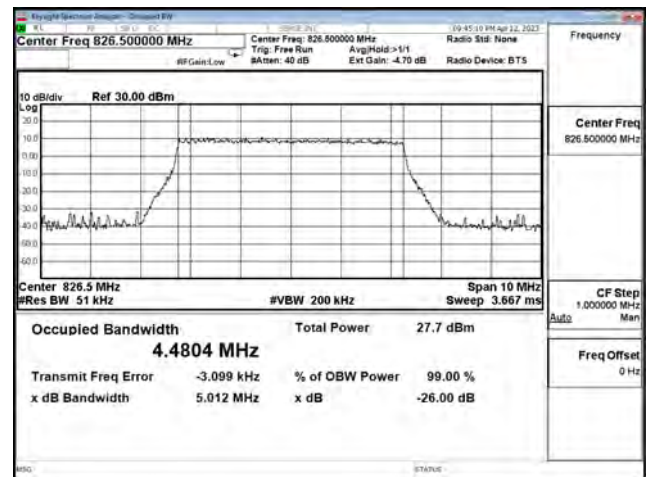
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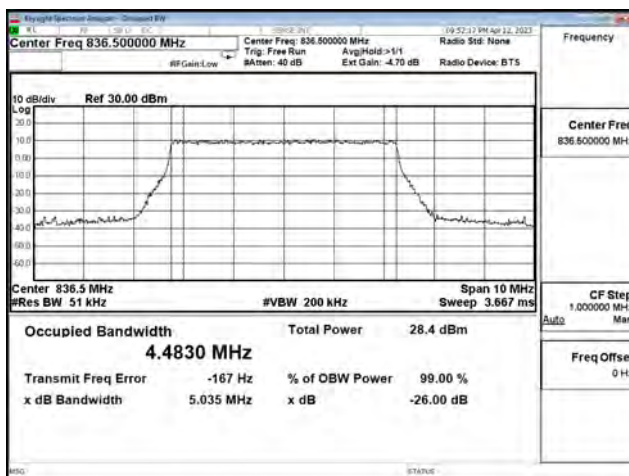
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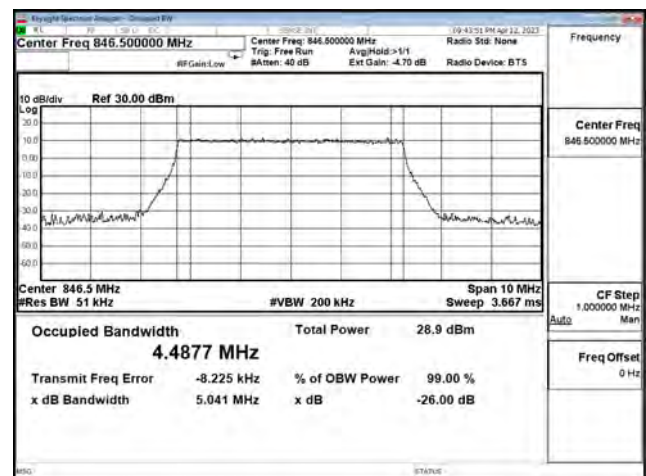
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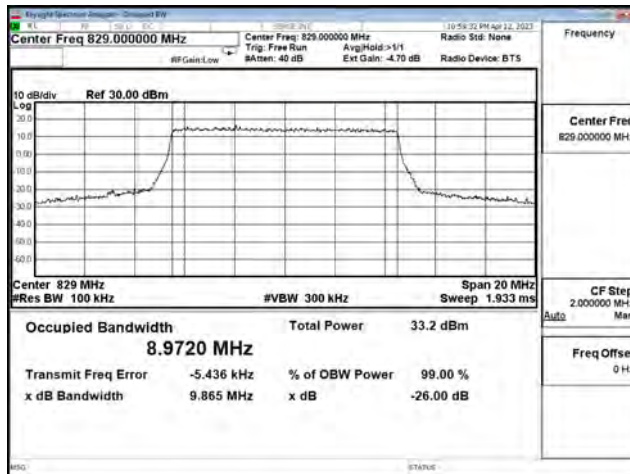
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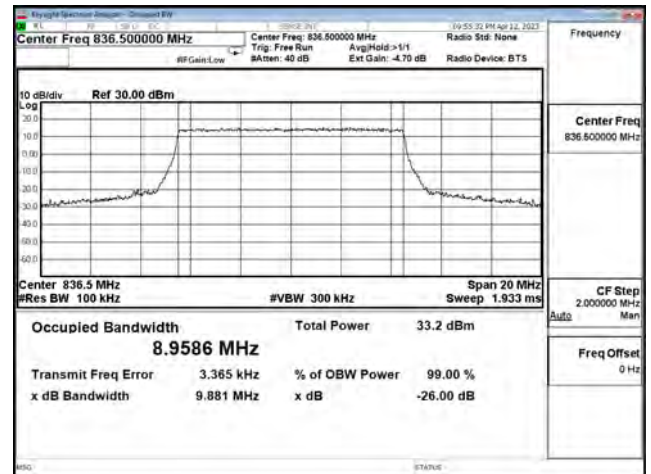
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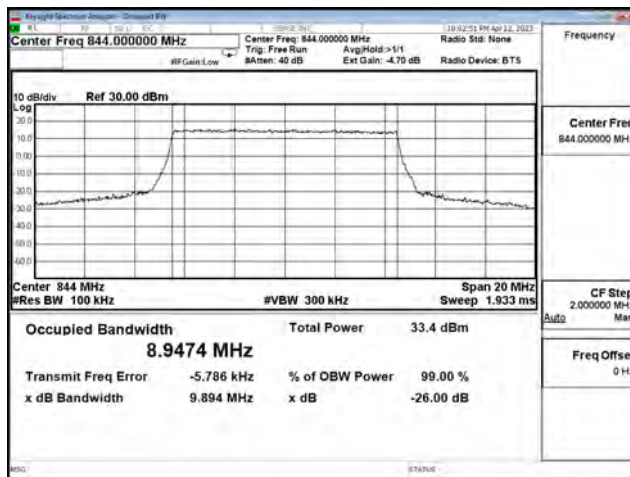
LTE Band 5_QPSK_CH20450_10M_50RB0



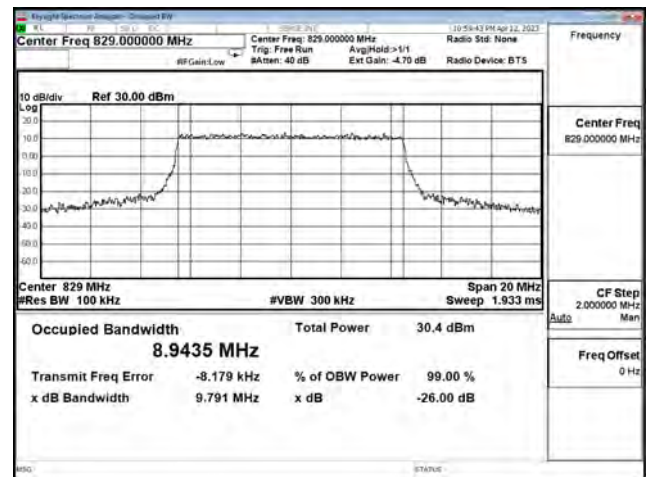
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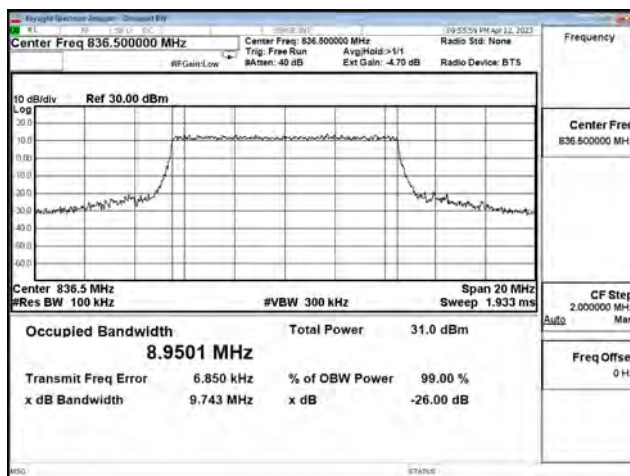
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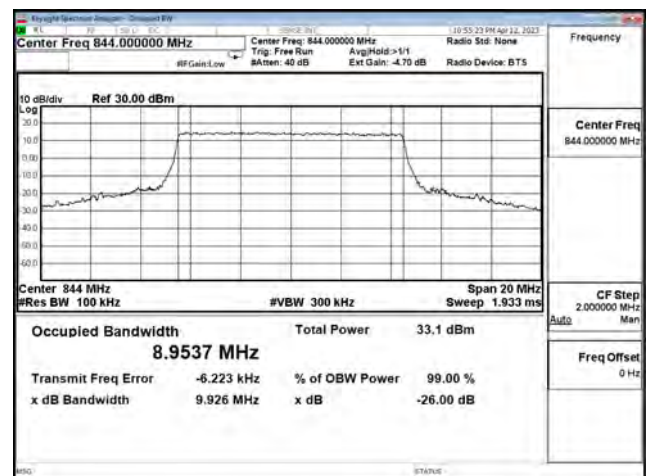
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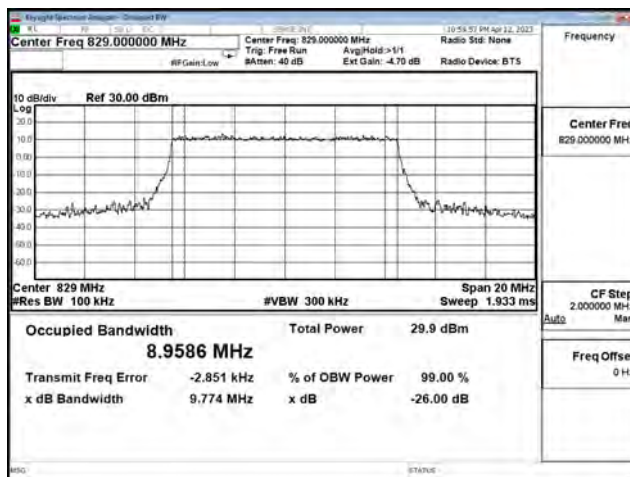
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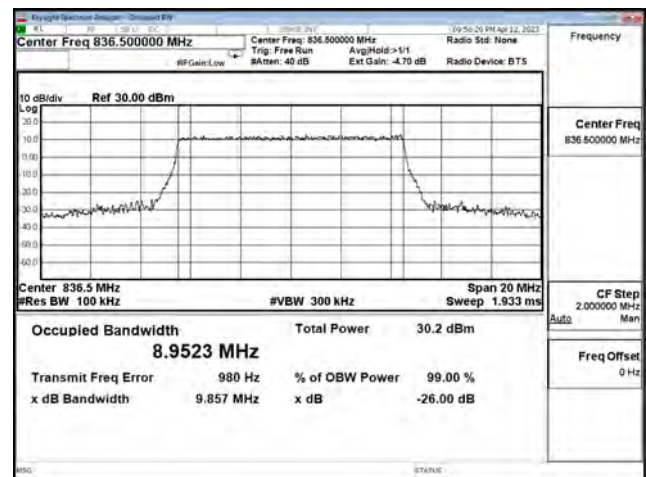
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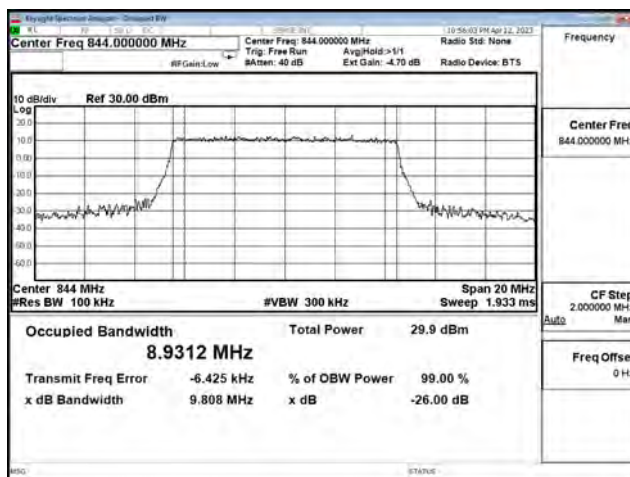
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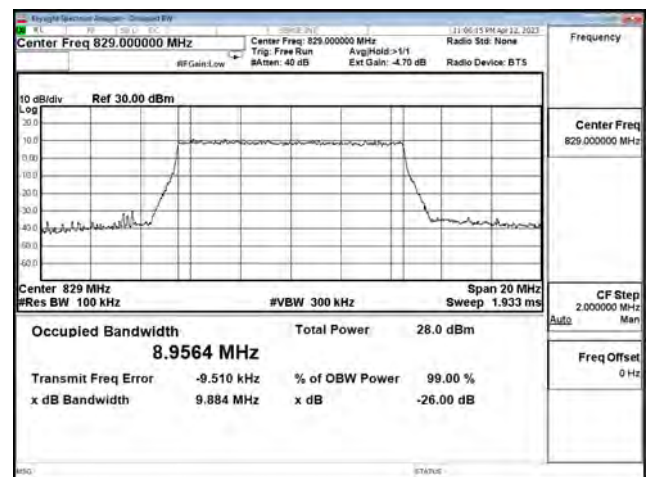
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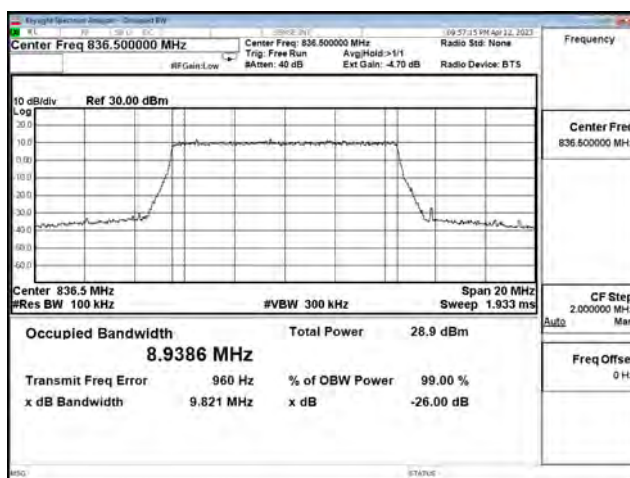
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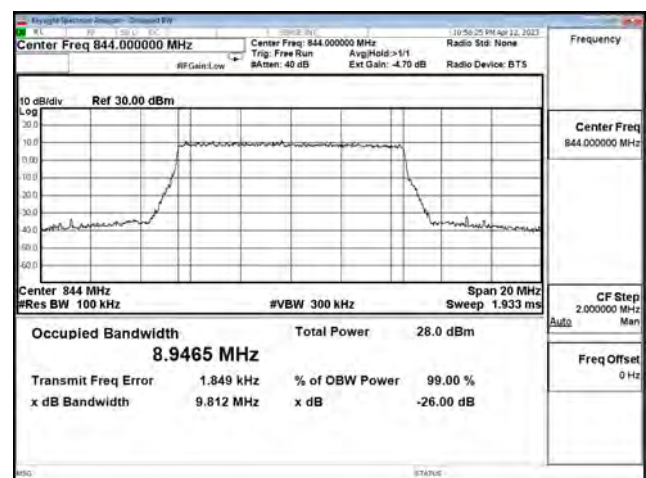
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LTE Band 5_256QAM_CH20525_10M_50RB0



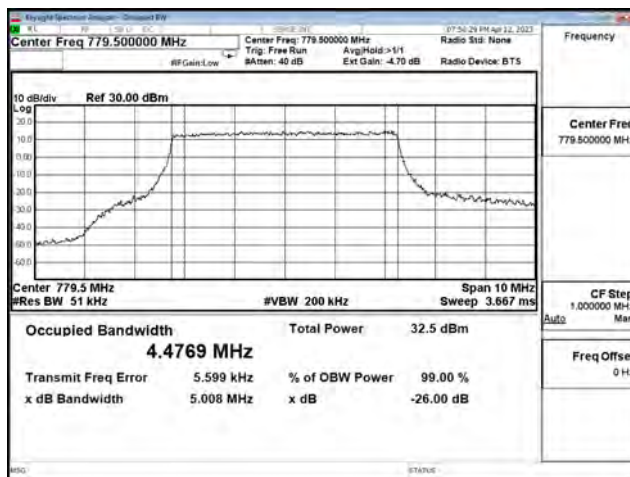
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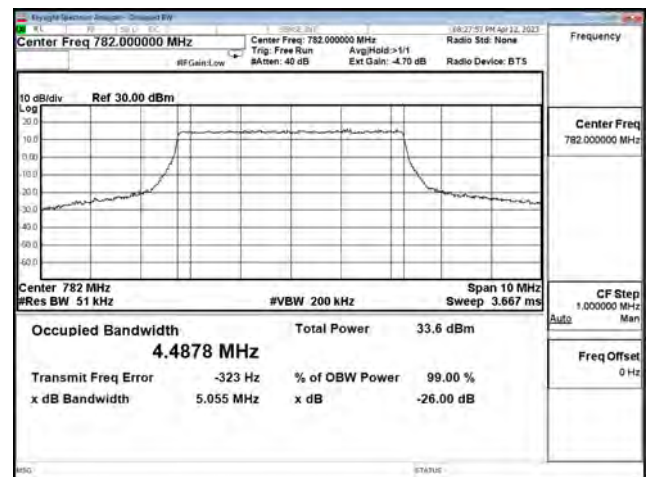
Mode 3: LTE Band 13

Bandwidth (MHz)	Modulation	Channel	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
				26dB BW	99% BW	
5	QPSK	23205	779.5	5.008	4.476	N/A
		23230	782	5.055	4.487	N/A
		23255	784.5	5.061	4.483	N/A
	16-QAM	23205	779.5	4.956	4.477	N/A
		23230	782	5.048	4.486	N/A
		23255	784.5	5.000	4.482	N/A
	64-QAM	23205	779.5	5.040	4.477	N/A
		23230	782	5.055	4.484	N/A
		23255	784.5	5.046	4.487	N/A
	256-QAM	23205	779.5	5.072	4.482	N/A
		23230	782	5.061	4.483	N/A
		23255	784.5	5.031	4.489	N/A
10	QPSK	23230	782	9.817	8.935	N/A
	16-QAM	23230	782	9.797	8.946	N/A
	64-QAM	23230	782	9.706	8.943	N/A
	256-QAM	23230	782	9.805	8.940	N/A

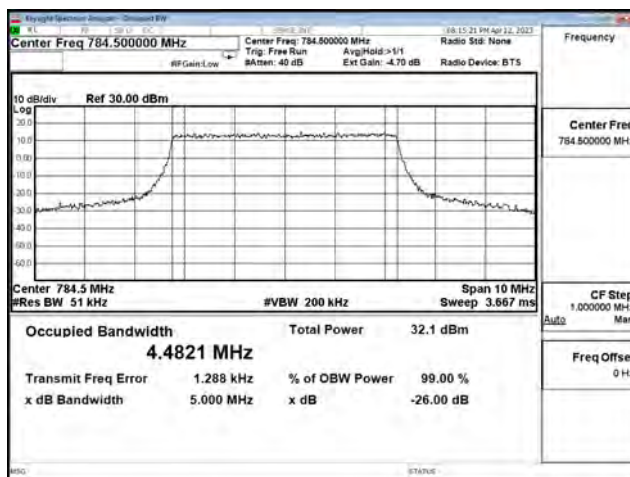
LTE Band 13_QPSK_CH23205_5M_25RB0



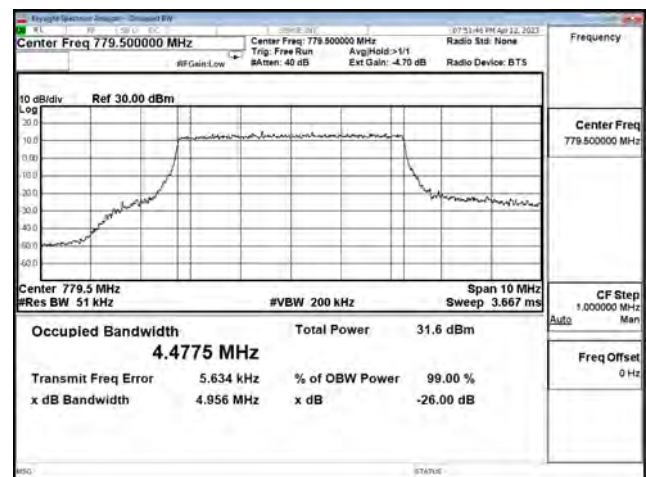
LTE Band 13_QPSK_CH23230_5M_25RB0



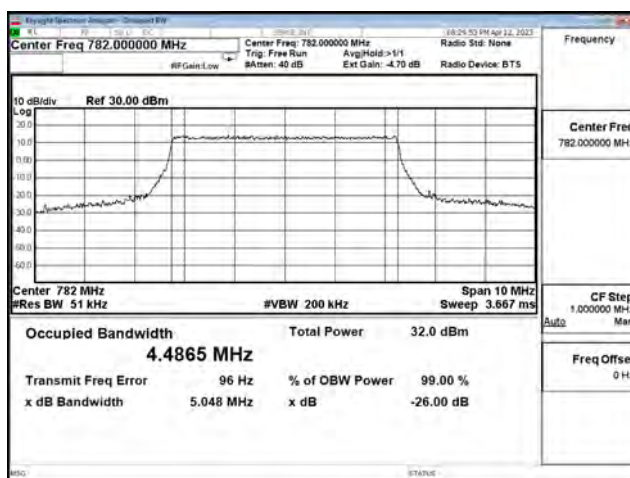
LTE Band 13_QPSK_CH23255_5M_25RB0



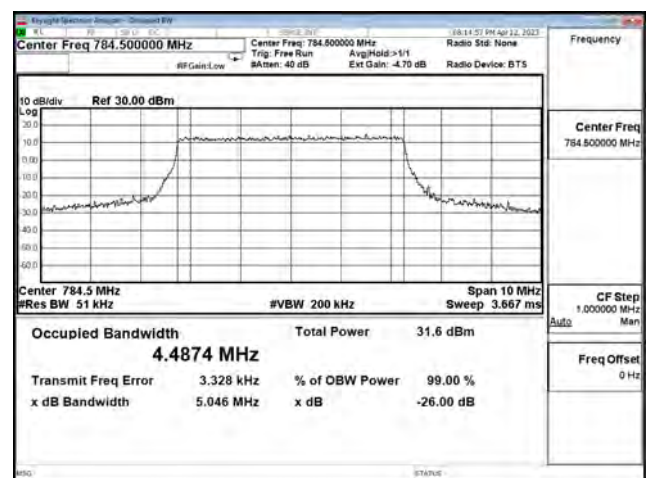
LTE Band 13_16QAM_CH23205_5M_25RB0



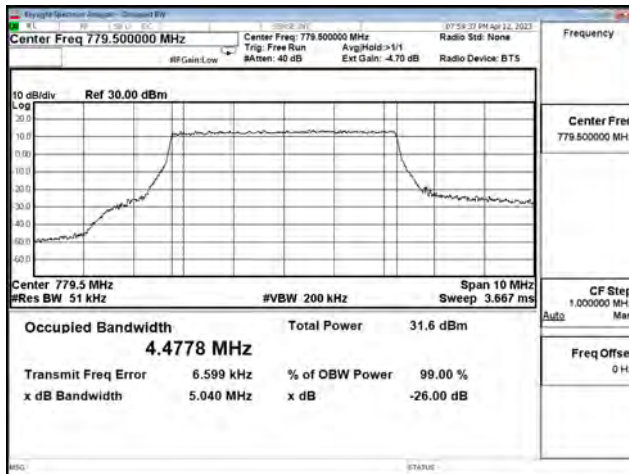
LTE Band 13_16QAM_CH23230_5M_25RB0



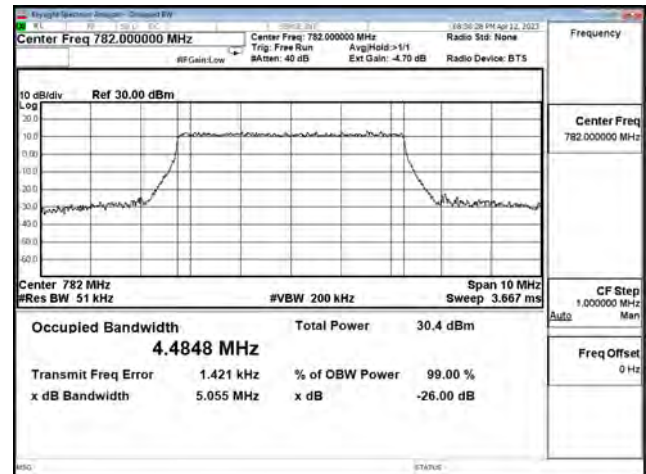
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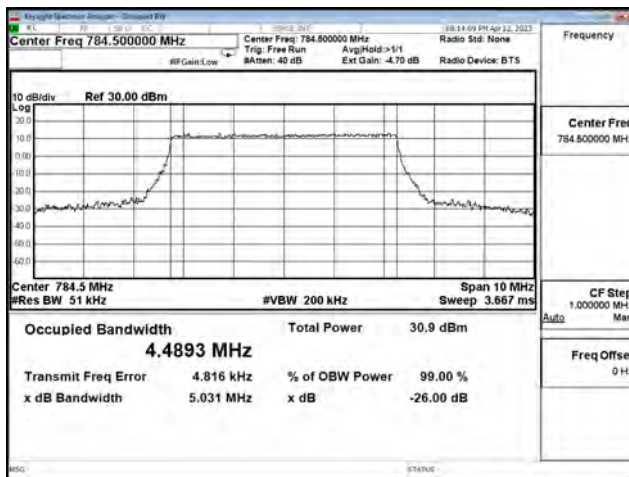
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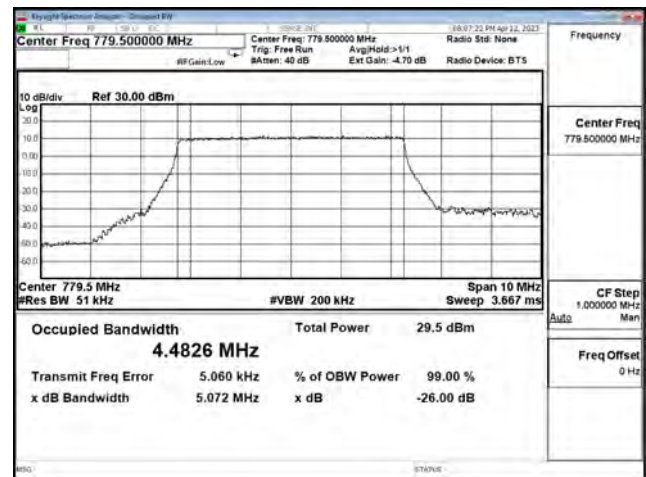
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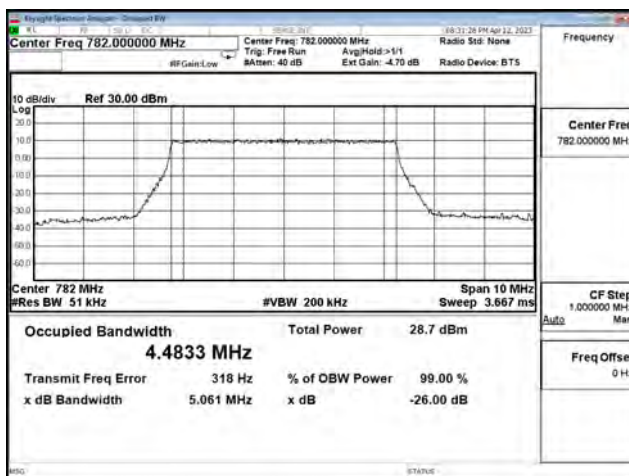
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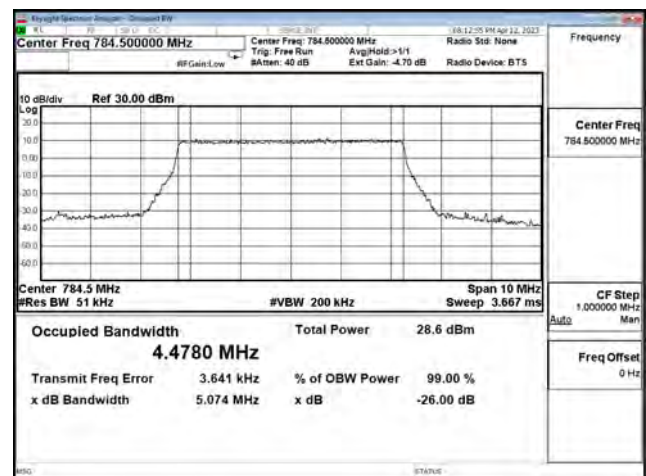
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LTE Band 13_256QAM_CH23230_5M_25RB0



LTE Band 13_256QAM_CH23255_5M_25RB0



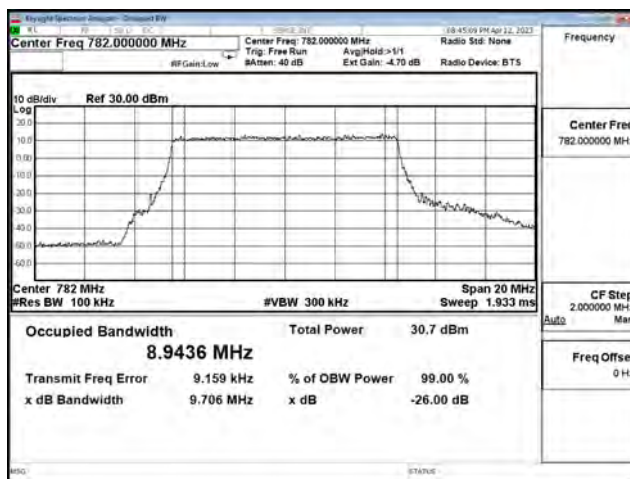
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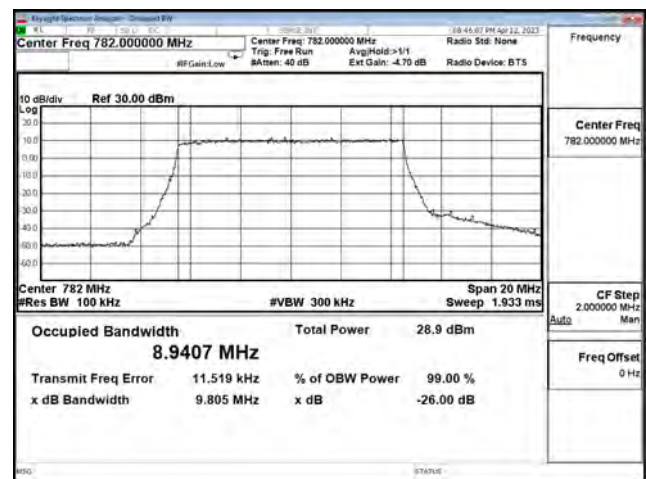
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LTE Band 13_64QAM_CH23230_10M_50RB0



LTE Band 13_256QAM_CH23230_10M_50RB0

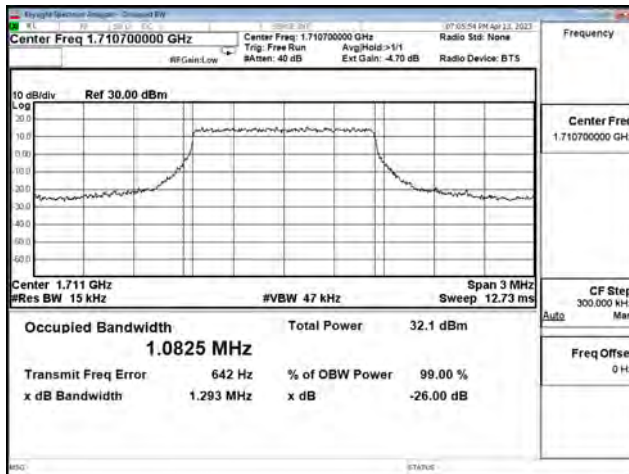


Mode 4: LTE Band 66

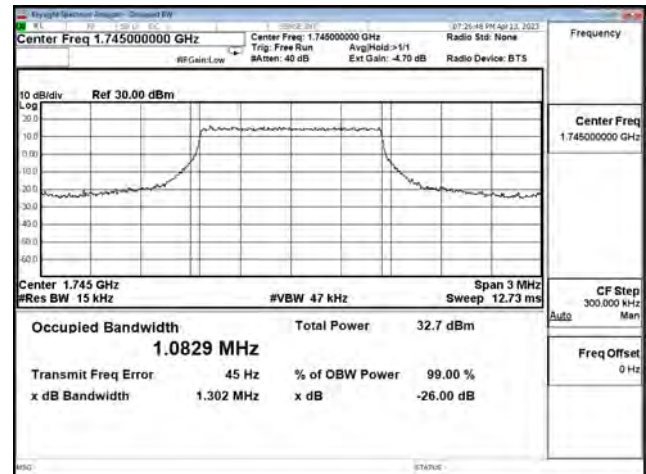
Bandwidth (MHz)	Modulation	Channel	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
				26dB BW	99% BW	
1.4	QPSK	131979	1710.7	1.293	1.082	N/A
		132322	1745	1.302	1.082	N/A
		132665	1779.3	1.313	1.081	N/A
	16-QAM	131979	1710.7	1.331	1.086	N/A
		132322	1745	1.309	1.085	N/A
		132665	1779.3	1.317	1.084	N/A
	64-QAM	131979	1710.7	1.304	1.081	N/A
		132322	1745	1.306	1.085	N/A
		132665	1779.3	1.303	1.084	N/A
	256-QAM	131979	1710.7	1.310	1.083	N/A
		132322	1745	1.303	1.082	N/A
		132665	1779.3	1.306	1.083	N/A
3	QPSK	131987	1711.5	2.980	2.694	N/A
		132322	1745	2.992	2.692	N/A
		132657	1778.5	3.006	2.691	N/A
	16-QAM	131987	1711.5	2.992	2.687	N/A
		132322	1745	3.013	2.692	N/A
		132657	1778.5	3.004	2.694	N/A
	64-QAM	131987	1711.5	2.994	2.688	N/A
		132322	1745	3.027	2.697	N/A
		132657	1778.5	2.999	2.693	N/A
	256-QAM	131987	1711.5	3.028	2.698	N/A
		132322	1745	2.998	2.696	N/A
		132657	1778.5	2.991	2.694	N/A
5	QPSK	131997	1712.5	5.029	4.487	N/A
		132322	1745	5.070	4.489	N/A
		132647	1777.5	5.075	4.490	N/A
	16-QAM	131997	1712.5	5.088	4.486	N/A
		132322	1745	5.064	4.486	N/A
		132647	1777.5	5.081	4.485	N/A
	64-QAM	131997	1712.5	5.043	4.486	N/A
		132322	1745	5.093	4.489	N/A
		132647	1777.5	5.073	4.484	N/A
	256-QAM	131997	1712.5	5.077	4.488	N/A
		132322	1745	5.005	4.494	N/A
		132647	1777.5	5.062	4.492	N/A

Bandwidth (MHz)	Modulation	Channel	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
				26dB BW	99% BW	
10	QPSK	132022	1715	9.886	8.960	N/A
		132322	1745	9.941	8.962	N/A
		132622	1775	9.836	8.961	N/A
	16-QAM	132022	1715	9.863	8.970	N/A
		132322	1745	9.970	8.964	N/A
		132622	1775	9.916	8.961	N/A
	64-QAM	132022	1715	9.847	8.962	N/A
		132322	1745	9.857	8.961	N/A
		132622	1775	9.882	8.953	N/A
	256QAM	132022	1715	9.798	8.946	N/A
		132322	1745	9.934	8.968	N/A
		132622	1775	9.812	8.958	N/A
15	QPSK	132047	1717.5	14.770	13.435	N/A
		132322	1745	14.640	13.421	N/A
		132597	1772.5	14.670	13.434	N/A
	16-QAM	132047	1717.5	14.790	13.452	N/A
		132322	1745	14.800	13.455	N/A
		132597	1772.5	14.660	13.425	N/A
	64-QAM	132047	1717.5	14.810	13.429	N/A
		132322	1745	14.780	13.437	N/A
		132597	1772.5	14.680	13.435	N/A
	256-QAM	132047	1717.5	14.790	13.433	N/A
		132322	1745	14.690	13.430	N/A
		132597	1772.5	14.530	13.403	N/A
20	QPSK	132072	1720	19.530	17.910	N/A
		132322	1745	19.530	17.891	N/A
		132572	1770	19.650	17.920	N/A
	16-QAM	132072	1720	19.440	17.908	N/A
		132322	1745	19.430	17.865	N/A
		132572	1770	19.470	17.916	N/A
	64-QAM	132072	1720	19.460	17.919	N/A
		132322	1745	19.490	17.907	N/A
		132572	1770	19.530	17.893	N/A
	256-QAM	132072	1720	19.350	17.894	N/A
		132322	1745	19.320	17.885	N/A
		132572	1770	19.450	17.865	N/A

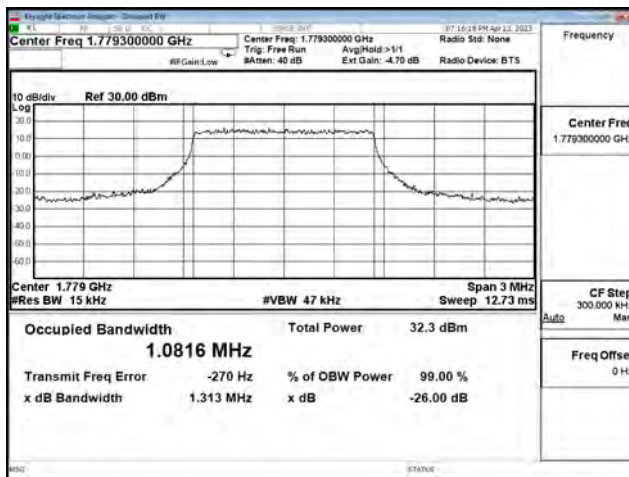
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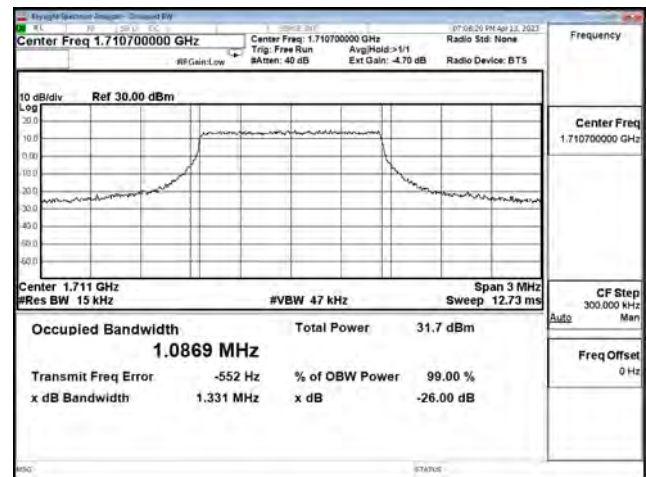
LTE Band 66_QPSK_CH132322_1.4M_6RB0



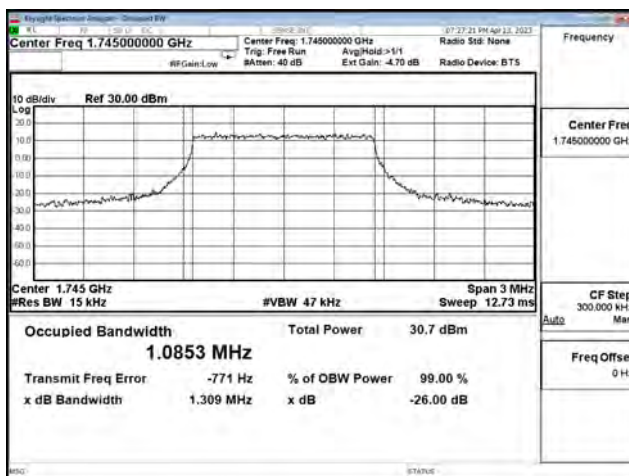
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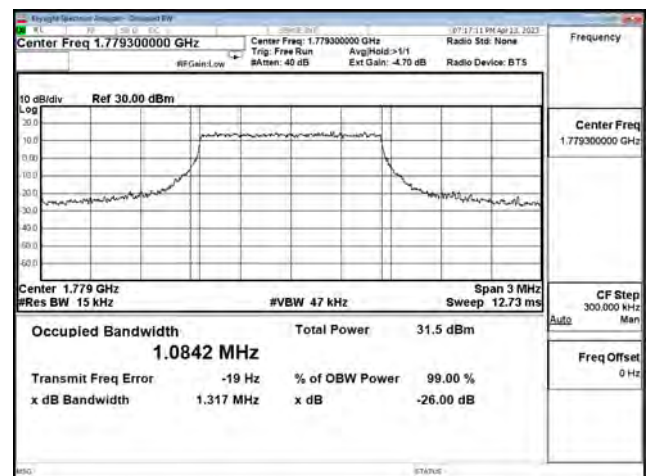
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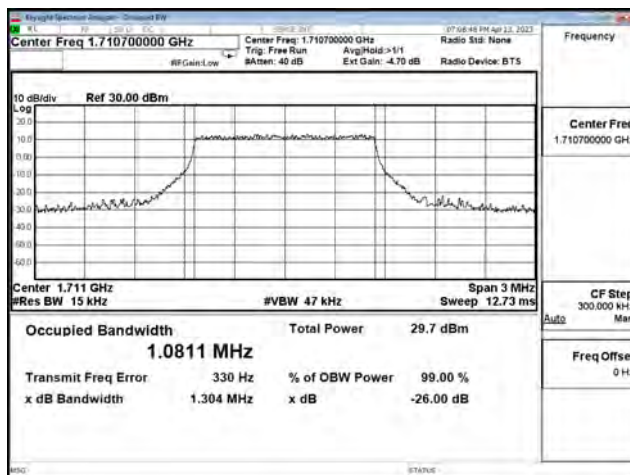
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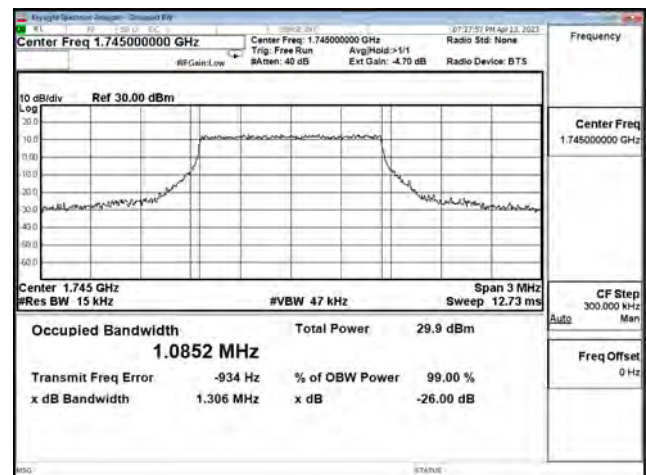
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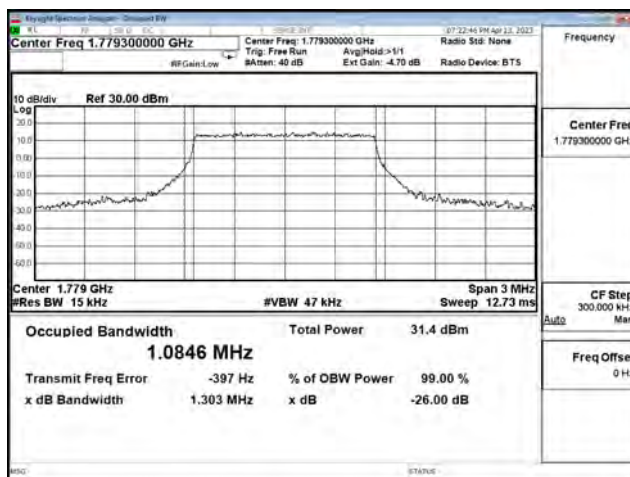
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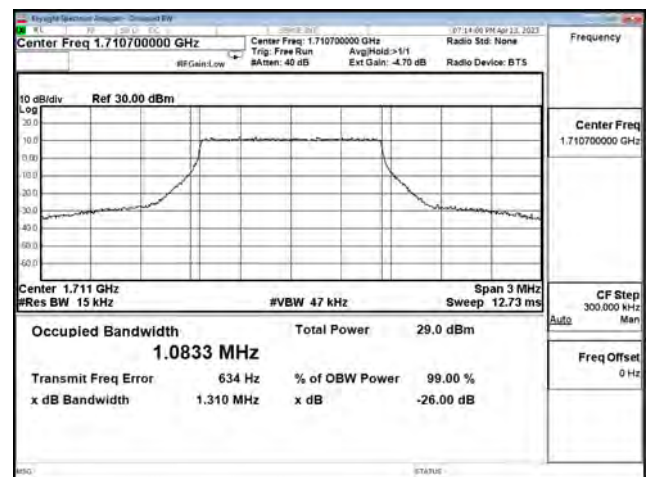
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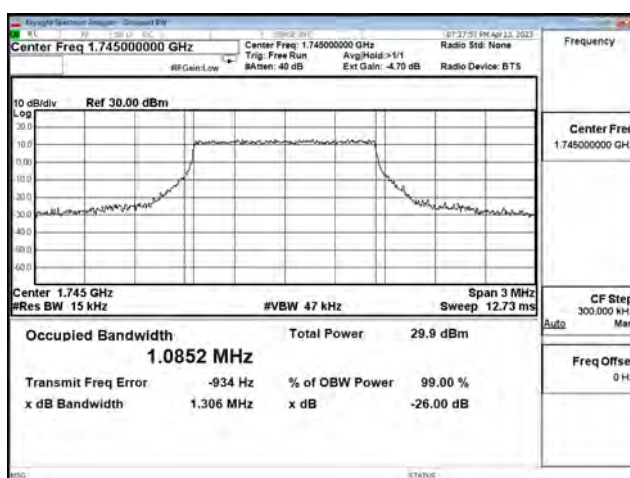
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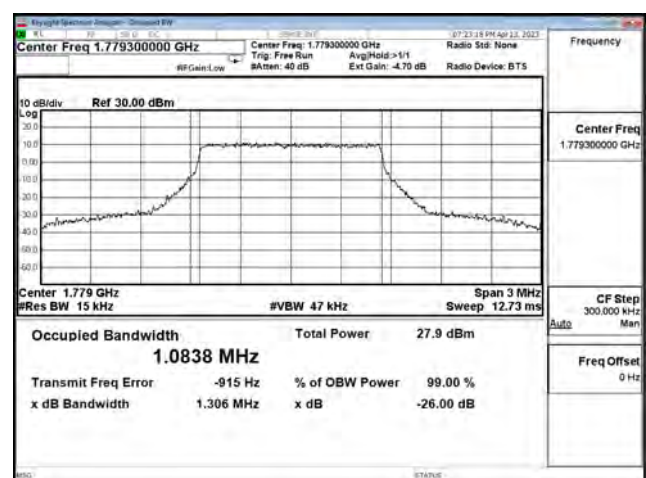
LTE Band 66_256QAM_CH131979_1.4M_6RB0



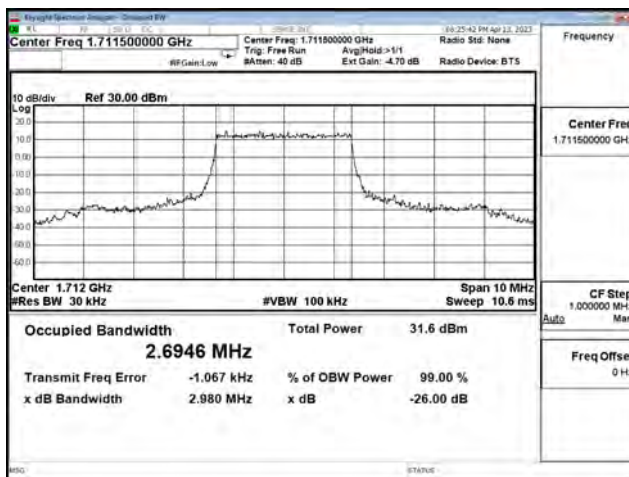
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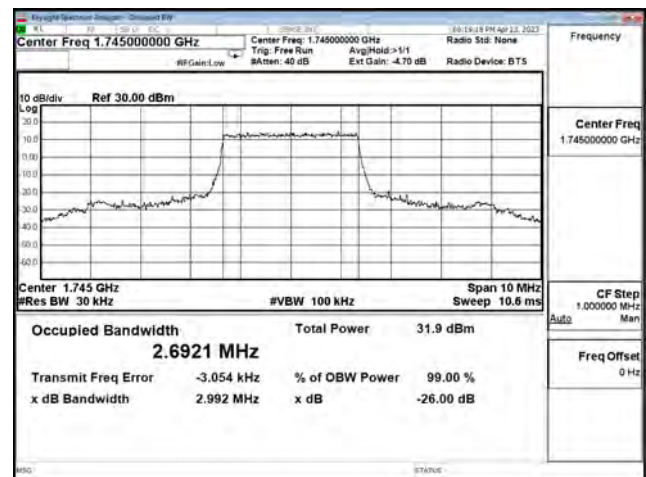
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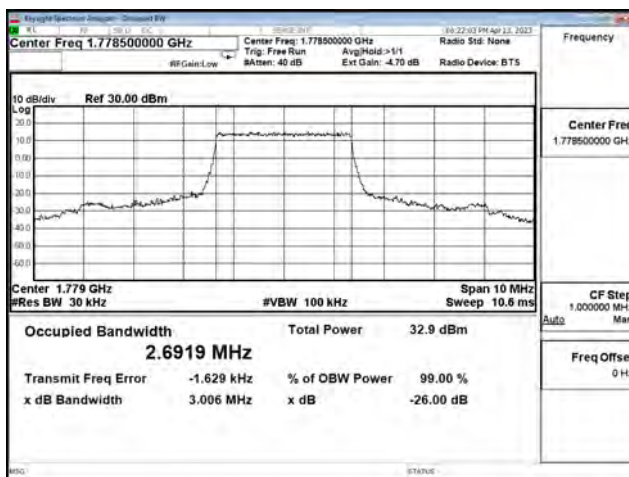
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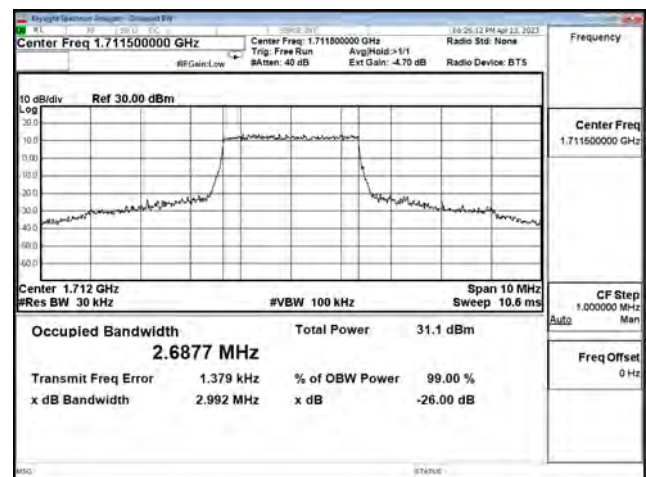
LTE Band 66_QPSK_CH132322_3M_15RB0



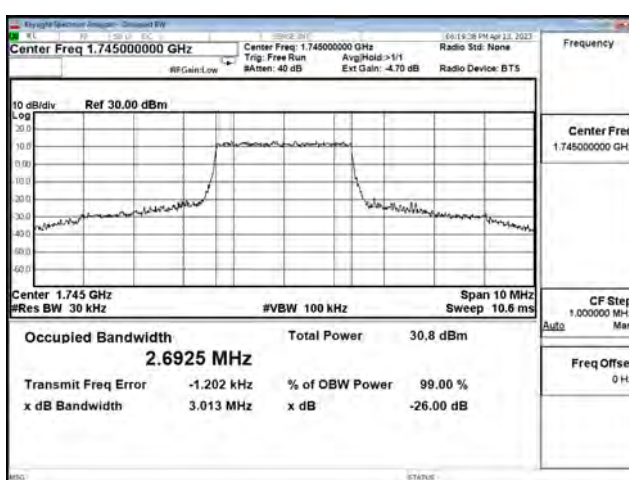
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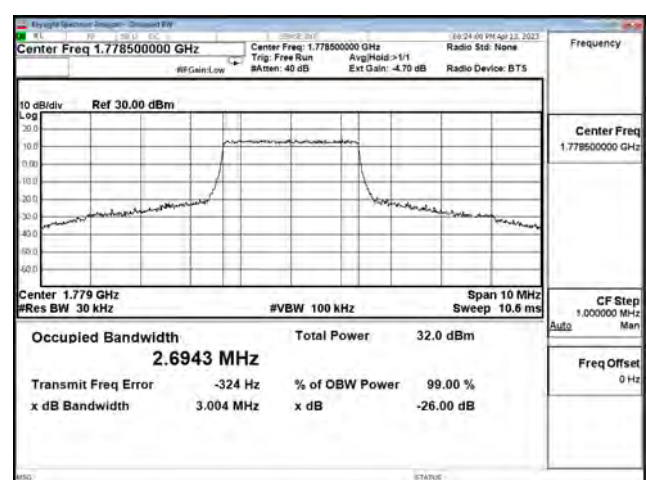
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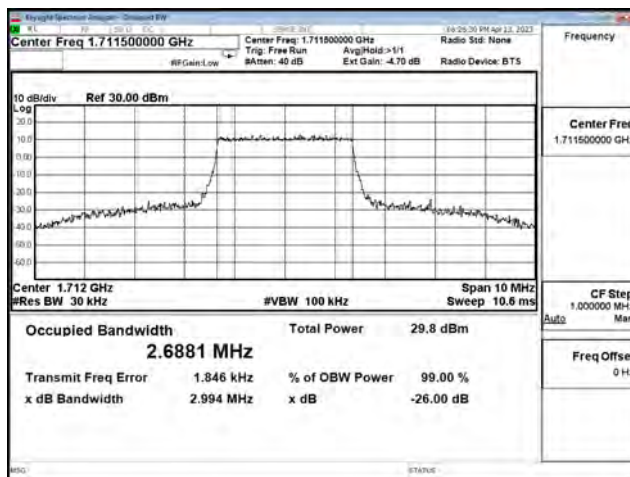
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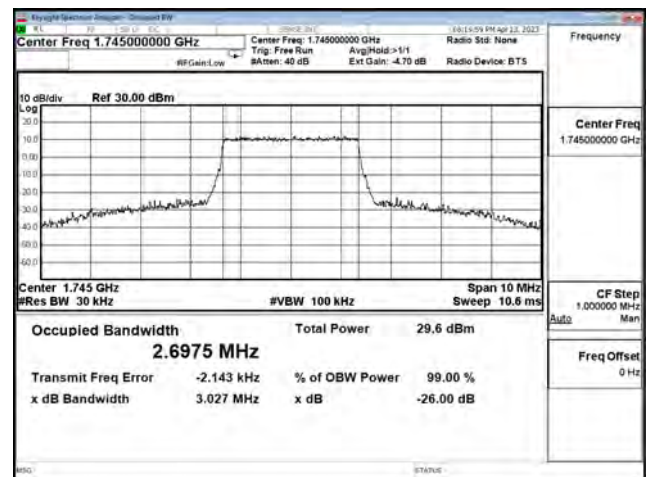
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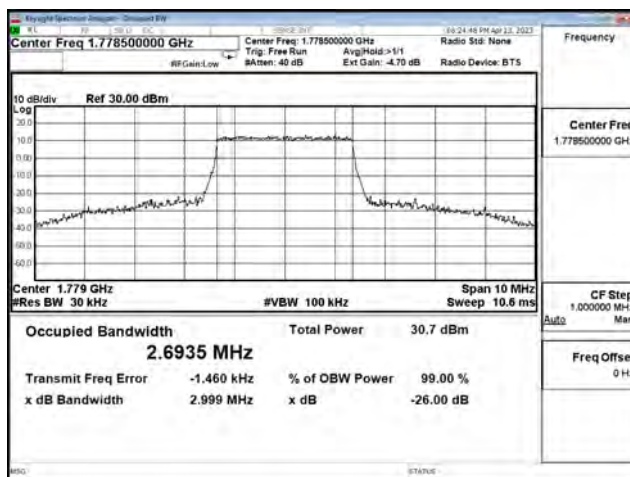
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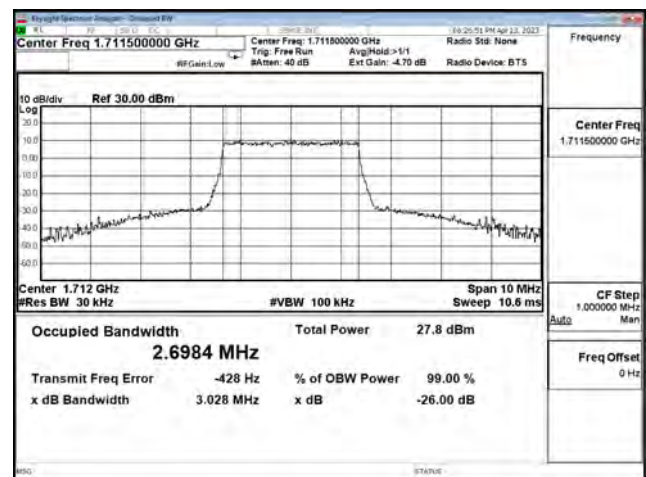
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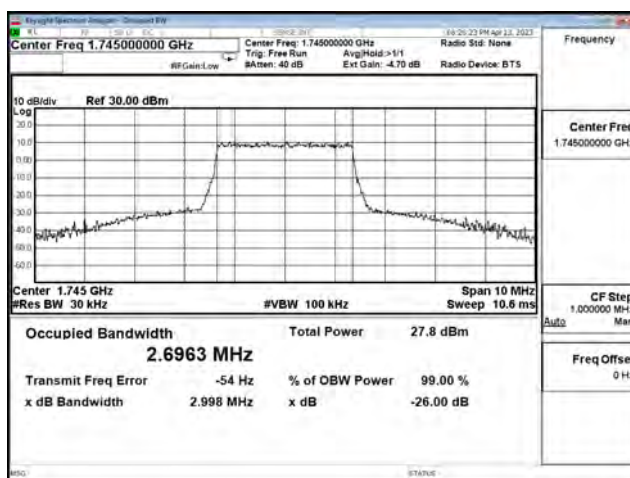
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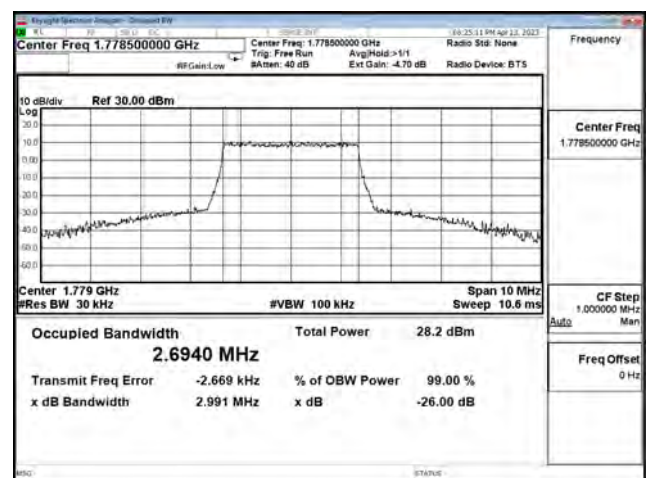
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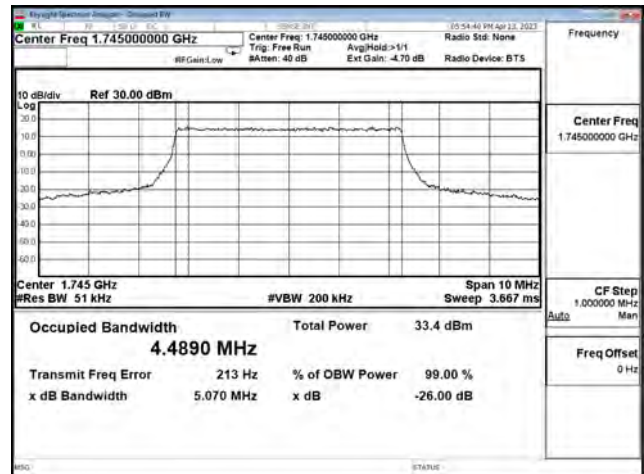
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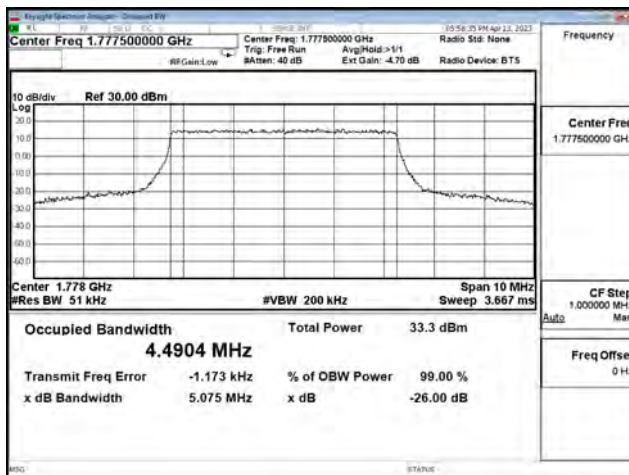
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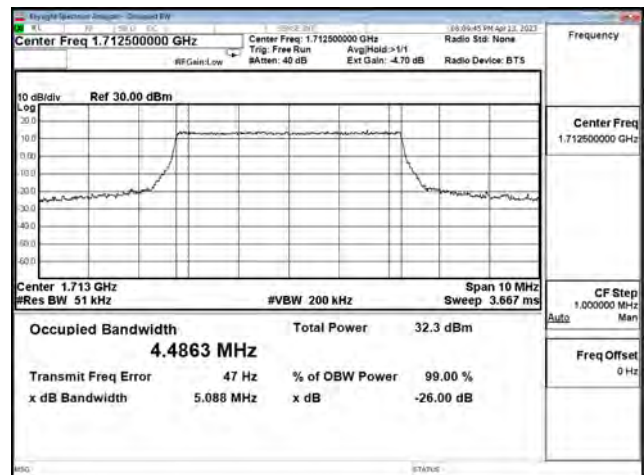
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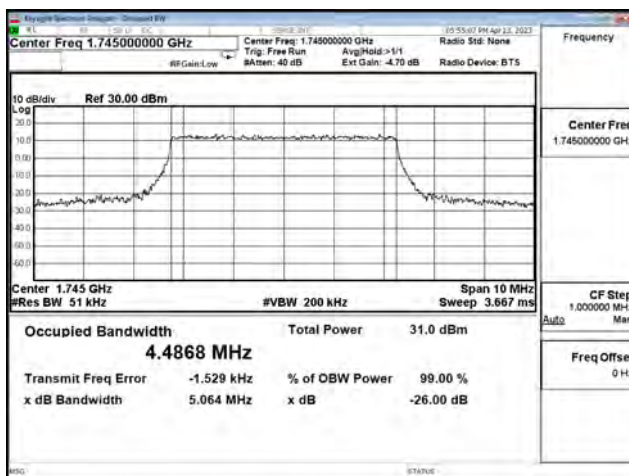
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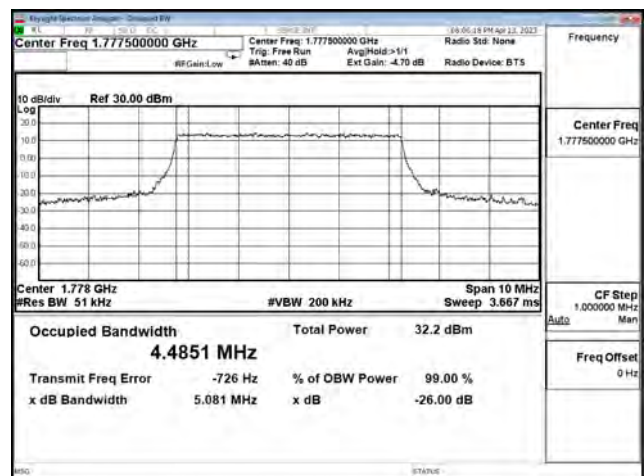
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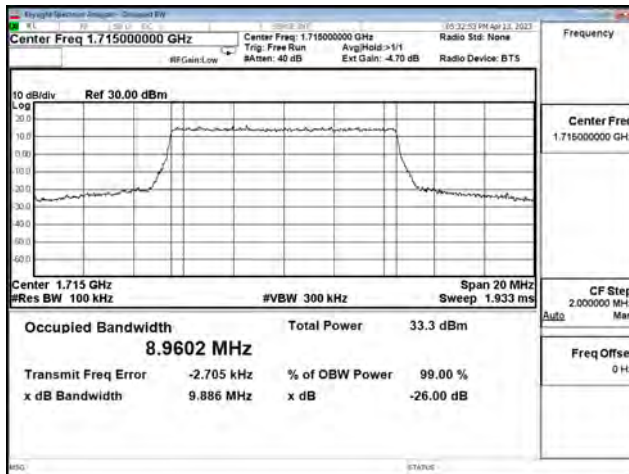
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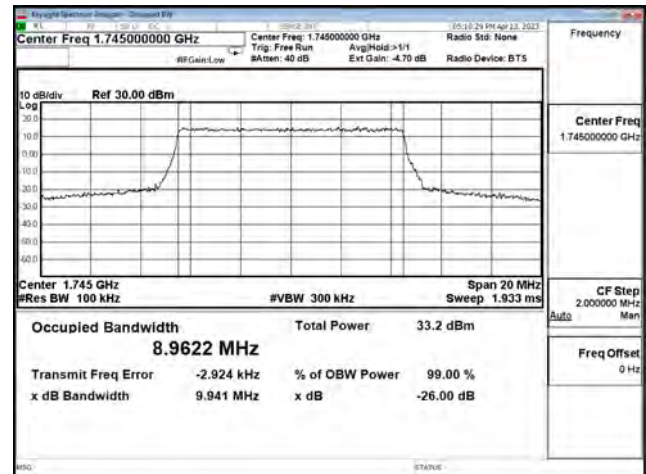
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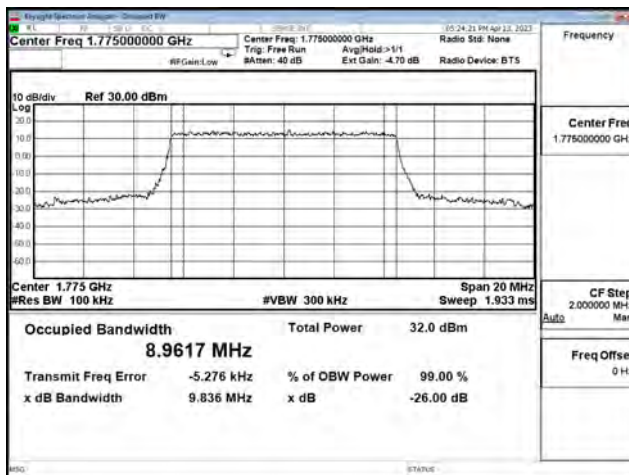
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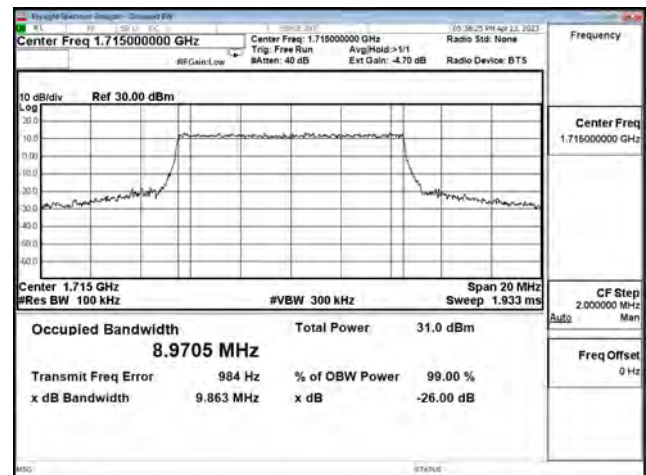
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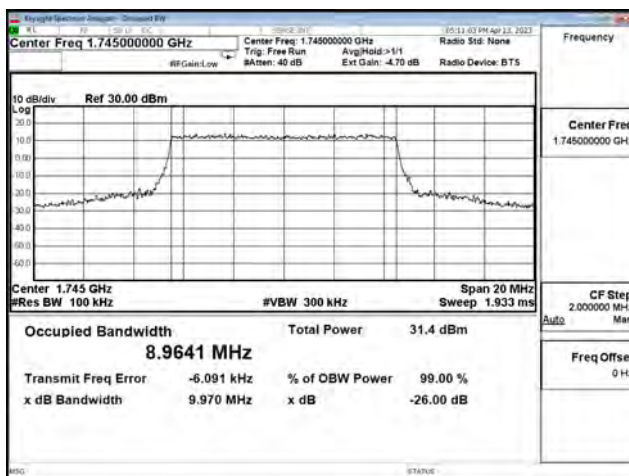
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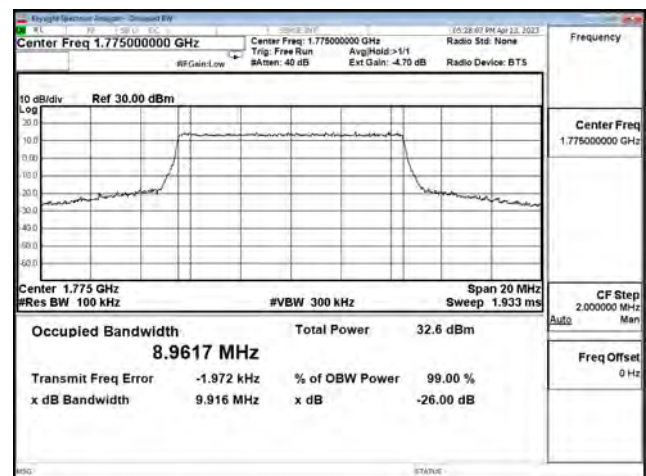
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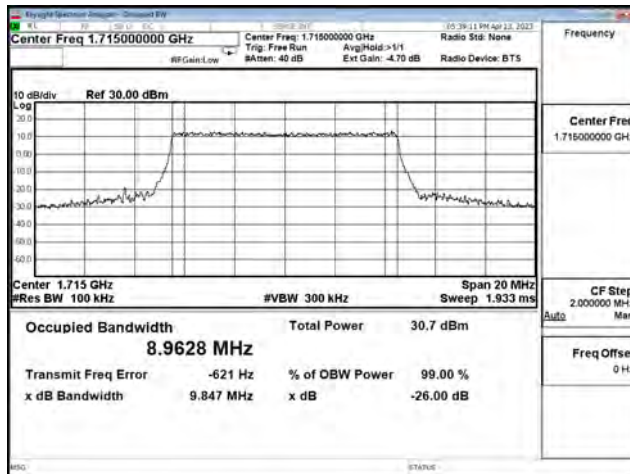
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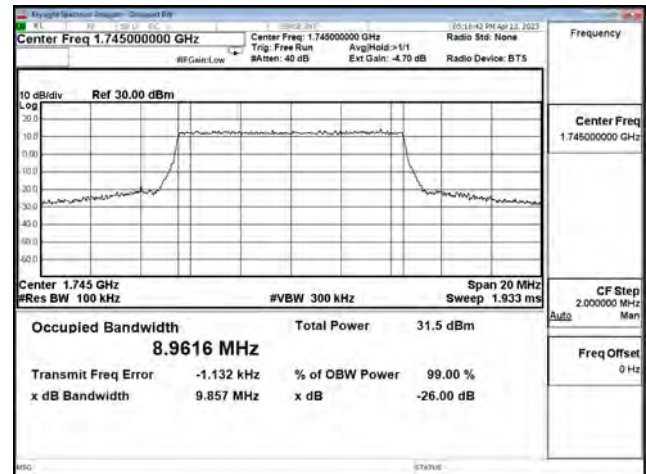
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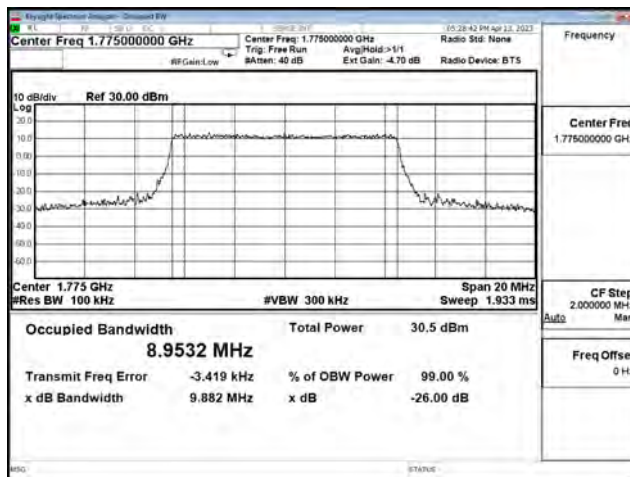
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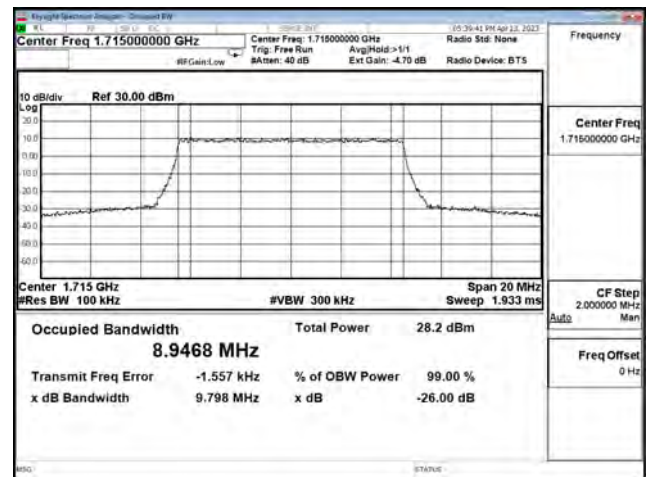
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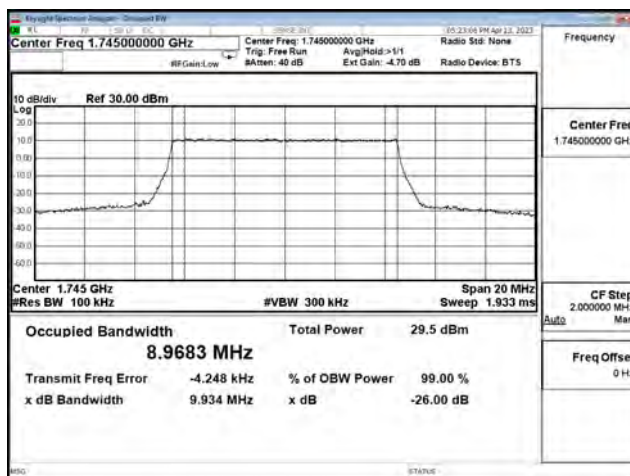
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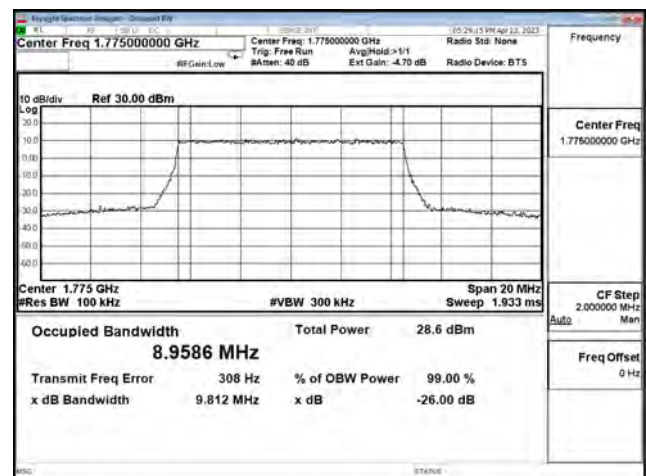
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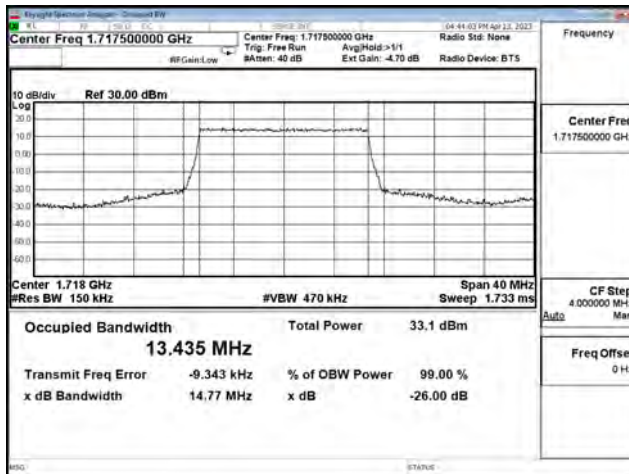
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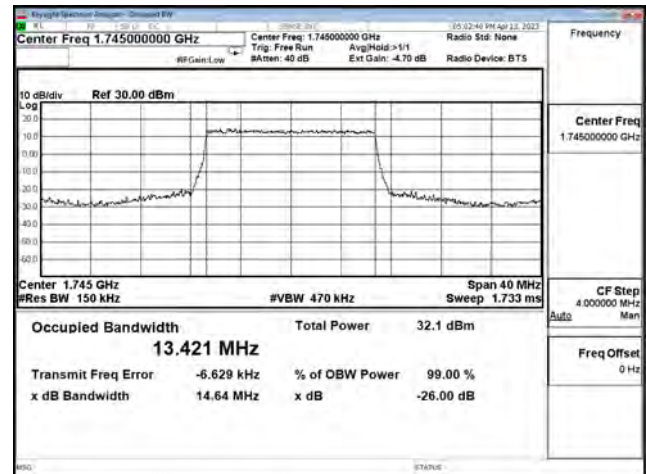
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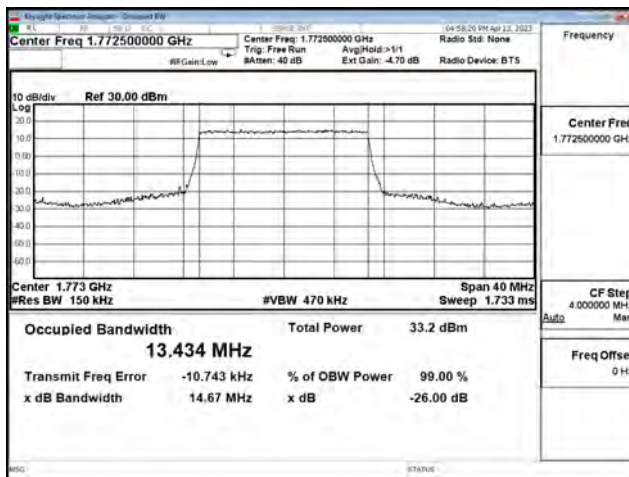
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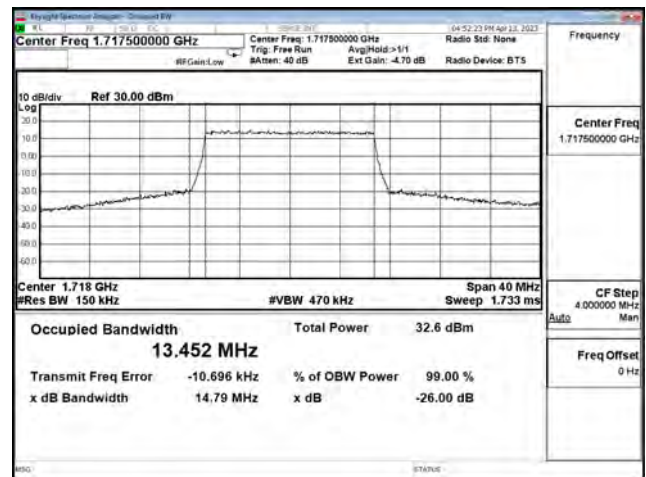
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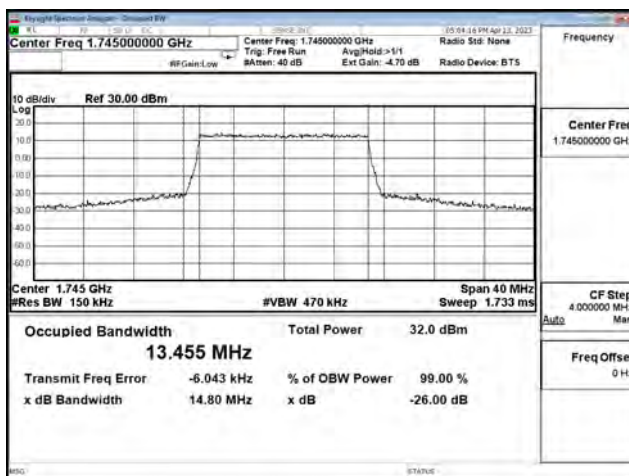
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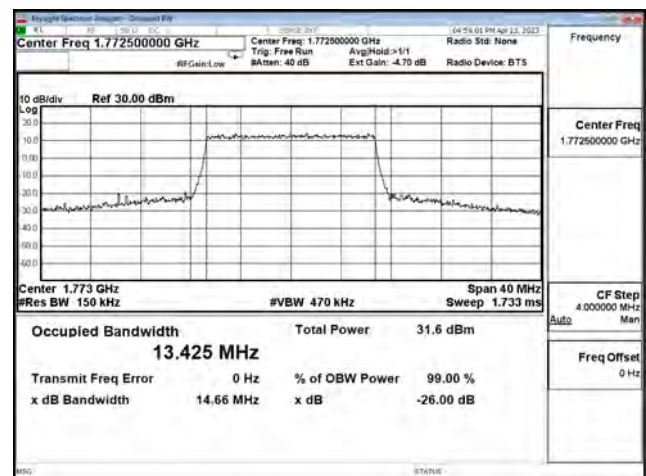
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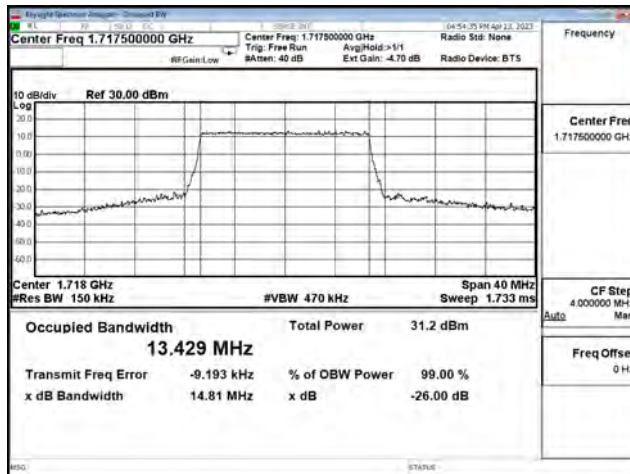
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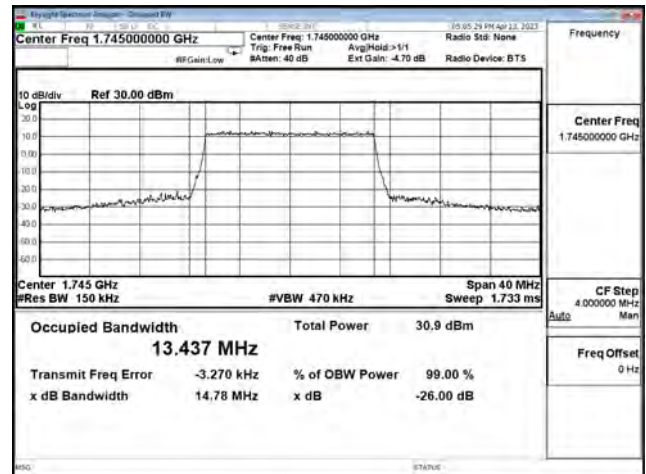
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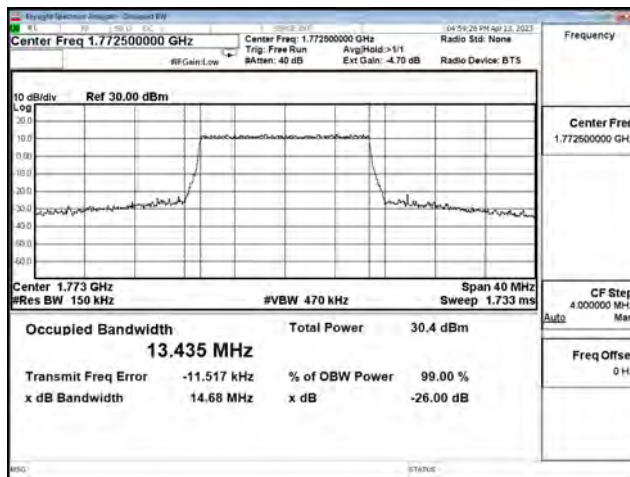
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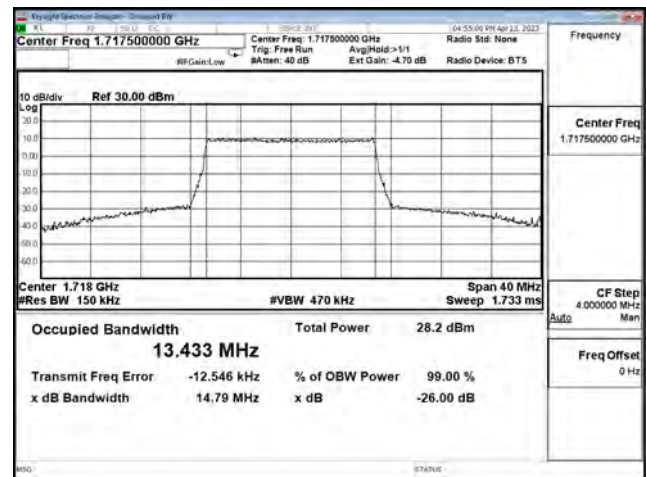
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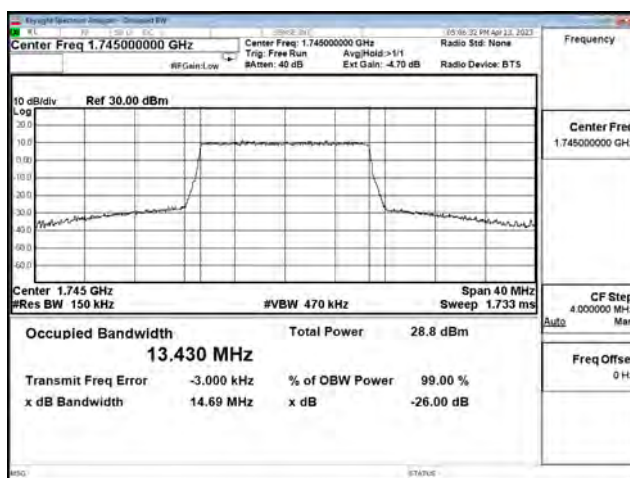
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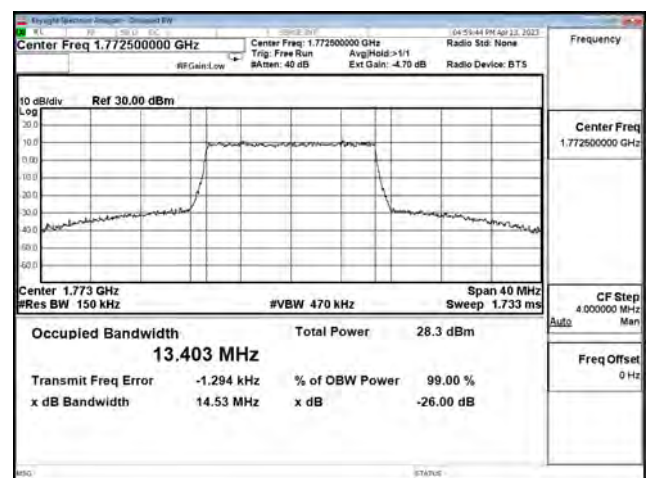
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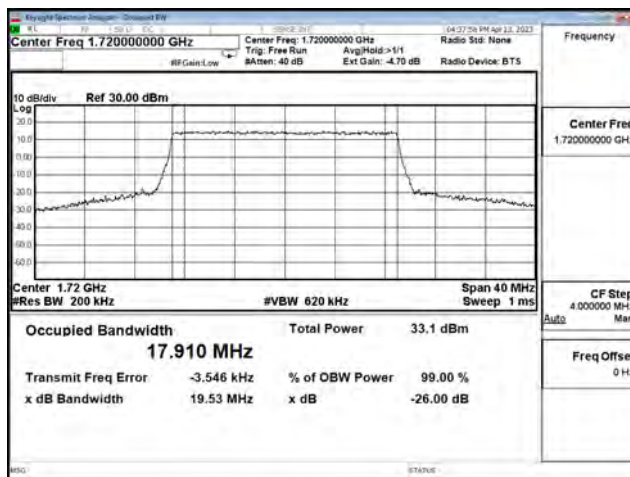
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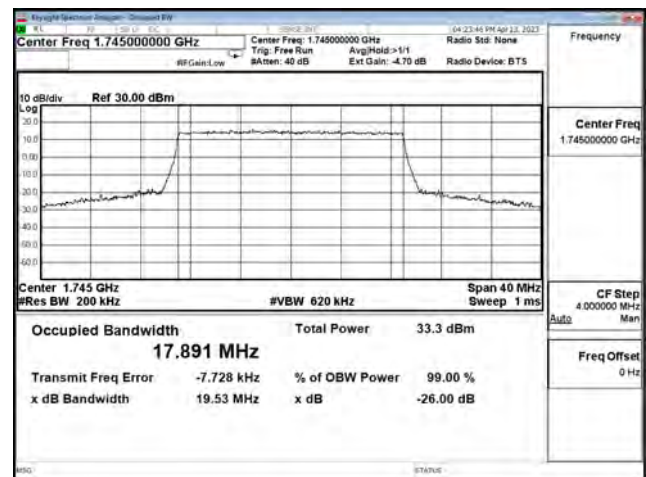
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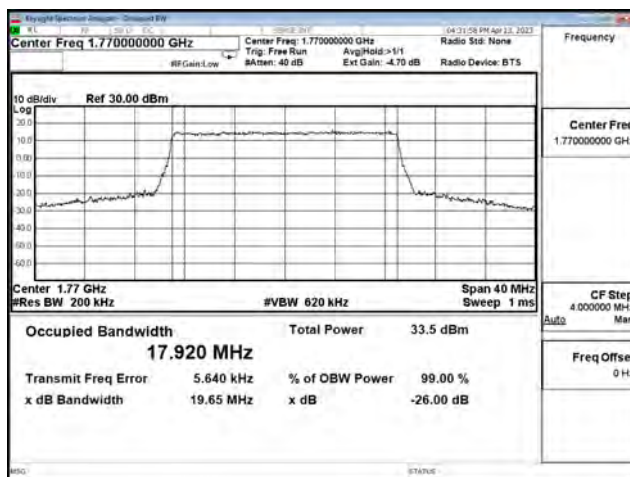
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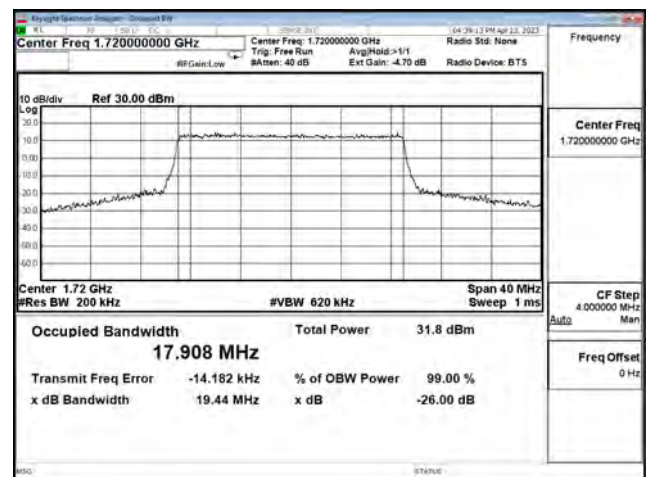
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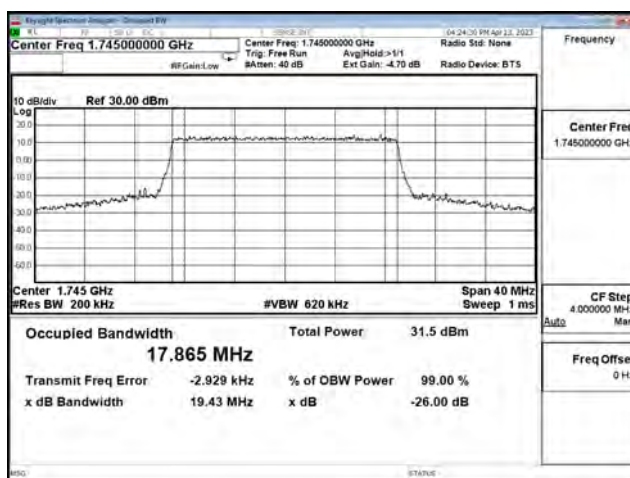
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