NGTL Korea INC.
52-7,Choha-ro,Cheoin-gu,Yongin-si Gyeonggi-do,17037 South Korea
FCC Designation Number: KR0179

☎ +82 031 334 2510; ✉ info.kr@ngtl.com

PART 24 & RSS-133 RF TEST REPORT

FCC ID:	**A3LSMS741U**
Model (s):	SM-S741U, SM-S741U1
Device Type:	Portable Handset
Report Issue Date:	July 24, 2026

Samsung Electronics Co., Ltd. 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
Certification

The measurement evaluations presented in this report are based on the maximum performance of the tested device(s), which has been shown to be capable of compliance with the applicable technical requirements specified herein and has been tested in accordance with the measurement procedures outlined in 47CFR §2.947, ANSI C63.26 - 2015.

This document must be reproduced in its entirety without any alterations unless with written permission from NGTL Korea, INC.

This document has been revised and replaces all previously issued versions of this document with the same Test Report S/N.

Youngbin Song
Technical Manager

Table of Contents

1. DUT Specifics 3
2. Executive Summary 5
3. Description of Tests 7
4. Conducted Test Results 8
5. Radiated Test Results 73
6. Revision History 86
7. Measurement Uncertainty 86
8. Equipment List 87
9. Conclusion 89

APPENDIX A - The Maximum Output Power 90

1. DUT Specifics

1.1. Device under Test

The manufacturer has confirmed that the device is within operational tolerances expected for production units and has the same physical, mechanical, and thermal characteristics expected for production units. The serial number of the device used for each test is indicated alongside the results.

1.2. Maximum Power per Mode

Table 1-1 **Antenna A** Summary

Band	Band Width [MHz]	Modulation	Frequency Range [MHz]	Max E.I.R.P [dBm]	Max E.I.R.P [W]	OBW [MHz]	Emission Designator
LTE Band 25/2	20	QPSK	1860.0 - 1905.0	24.16	0.261	18.02	18M0G7D
		16QAM	1860.0 - 1905.0	23.34	0.216	18.06	18M1W7D
	15	QPSK	1857.5 - 1907.5	24.08	0.256	13.52	13M5G7D
		16QAM	1857.5 - 1907.5	23.44	0.221	13.54	13M5W7D
	10	QPSK	1855.0 - 1910.0	24.22	0.264	9.12	9M12G7D
		16QAM	1855.0 - 1910.0	23.73	0.236	9.13	9M13W7D
	5	QPSK	1852.5 - 1912.5	23.91	0.246	4.59	4M59G7D
		16QAM	1852.5 - 1912.5	23.51	0.224	4.53	4M53W7D
	3	QPSK	1851.5 - 1913.5	23.98	0.250	2.76	2M76G7D
		16QAM	1851.5 - 1913.5	23.64	0.231	2.75	2M75W7D
	1.4	QPSK	1850.7 - 1914.3	24.18	0.262	1.10	1M10G7D
		16QAM	1850.7 - 1914.3	23.65	0.232	1.11	1M11W7D

Table 1-2 **Antenna F** Summary

Band	Band Width [MHz]	Modulation	Frequency Range [MHz]	Max E.I.R.P [dBm]	Max E.I.R.P [W]	OBW [MHz]	Emission Designator
LTE Band 25/2	20	QPSK	1860.0 - 1905.0	22.53	0.179	18.08	18M1G7D
		16QAM	1860.0 - 1905.0	21.59	0.144	18.04	18M0W7D
	15	QPSK	1857.5 - 1907.5	22.57	0.181	13.57	13M6G7D
		16QAM	1857.5 - 1907.5	21.57	0.144	13.59	13M6W7D
	10	QPSK	1855.0 - 1910.0	22.56	0.180	9.16	9M16G7D
		16QAM	1855.0 - 1910.0	21.59	0.144	9.13	9M13W7D
	5	QPSK	1852.5 - 1912.5	22.50	0.178	4.57	4M57G7D
		16QAM	1852.5 - 1912.5	21.64	0.146	4.55	4M55W7D
	3	QPSK	1851.5 - 1913.5	22.46	0.176	2.75	2M75G7D
		16QAM	1851.5 - 1913.5	21.56	0.143	2.76	2M76W7D
	1.4	QPSK	1850.7 - 1914.3	22.58	0.181	1.11	1M11G7D
		16QAM	1850.7 - 1914.3	21.57	0.144	1.11	1M11W7D

1.3. Antenna Configuration and Operating Band

The table below details the antennas supporting the licensed bands, with the specific bands evaluated in this report clearly checked.

Table 1-3 Supported Frequency Band per Antenna

Antenna	LTE Band 25	LTE Band 2
Ant A	✔	✔
Ant E		
Ant F	✔	✔
Ant B		
Ant D		
Ant C		
Ant I		

The antenna names utilized throughout this report are defined as follows:

Antenna	LTE Band 25	LTE Band 2
Ant A	Ant 1	Ant 1
Ant F	Ant 2	Ant 2

2. Executive Summary

2.1. Device Description

The DUT is a portable wireless handset designed to operate across multiple communication standards and frequency bands. This report covers the complete compliance testing of LTE Band 25,2 in accordance with the applicable standards and regulatory requirements.

2.2. Summary of Test Results

The DUT has been tested according to the following specifications. The test period was from June 17, 2026 through July 05, 2026.

Test Condition	Test Item	FCC Requirement	ISED Requirement	Limit	Test Result	Reference
Conducted	Occupied & Emission bandwidth	§ 2.1049(h)	RSS-Gen(6.7)	Not Applicable	PASS	Section 4.4
	Peak-to-Average Ratio	§ 24.232(d)	RSS-133(5.5)	PAR ≤ 13 dB	PASS	Section 4.5
	Band Edge Emissions	§ 24.238(a),(b) § 2.1051	RSS-Gen(6.13) RSS-133(5.6)	the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.	PASS	Section 4.6
	Conducted Spurious Emissions	§ 24.238(a) § 2.1051	RSS-Gen(6.13) RSS-133(5.6)	the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.	PASS	Section 4.7
	Frequency Stability	§ 2.1055	RSS-Gen(6.11) RSS-133(5.4)	shall be sufficient to ensure that it stays within the operating frequency block	PASS	Section 4.8
Radiated	Effective Isotropic Radiated Power	§ 24.232(c)	RSS-133(5.5)	EIRP ≤ 2 watts	PASS	Section 5.4
	Radiated Spurious Emissions	§ 24.238(a) § 2.1053	RSS-Gen(6.13) RSS-133(5.6)	the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.	PASS	Section 5.5

*Note : Refer to Appendix A for RF output power data as per §2.1046(a).

2.3. Test Guidance Applied

Testing was performed in accordance with the following rules, standards, and guidance:

- ANSI C63.26 -2015
- ANSI C63.4 - 2014 + C63.4a - 2017
- RSS-Gen Issue 5
- RSS-133 Issue 7
- FCC 47 CFR Part 2
- FCC 47 CFR Part 24 Subpart E
- KDB 648474 D03 v01r04
- KDB 971168 D01 v03r01
- KDB 971168 D02 v02r02
- KDB 412172 D01 v01r01

2.4. NGTL Test Site Location

All measurement operations were conducted at the NGTL testing facility.

- Location: 52-7, Choha-ro, Mohyeon-eup, Cheoin-gu, Yongin-si, Gyeonggi-do, Republic of Korea.
- Site Compliance: The measurement environments strictly adhere to the site validation requirements specified in ANSI C63.4-2014+C63.4a-2017 and FCC KDB 414788 D01.
- Accreditations: Fully accredited to ISO/IEC 17025 and designated by the National Radio Research Agency (RRA) as a Conformity Assessment Body (CAB) under the MRAs, maintaining official testing recognition from the FCC and ISED .

FCC Designation Number	FCC Test Firm Registration Number
KR0179	985720

ISED CAB identifier	ISED Company Number
KR0179	35746

3. Description of Tests

- The DUT is a handheld wireless device and was tested in accordance with ANSI C63.26-2015. For details regarding the test configuration, refer to the following sections.
- Antenna Port Conducted Test : Sections 4.1
- Radiated Emissions Test : Sections 5.1

- All tests were conducted under the environmental conditions specified below
- Ambient Temperature : 22 ~ 27 ℃
- Relative Humidity : 44 ~ 51 %

4. Conducted Test Results

4.1. Test Configuration

This section presents the results of the conducted tests performed at the antenna port in accordance with ANSI C63.26-2015. Conducted emissions were captured using automated test software 'NGTL ATE' Ver. 0.00.

4.2. Conducted Measurement Setup

Figure 4-1 Conducted Power Measurement Setup

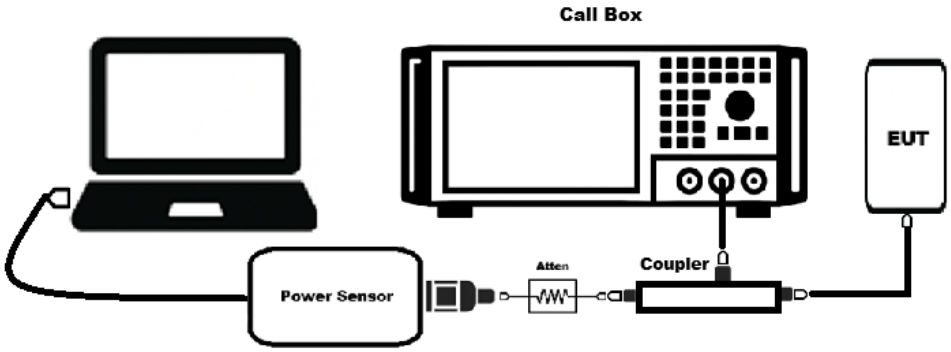
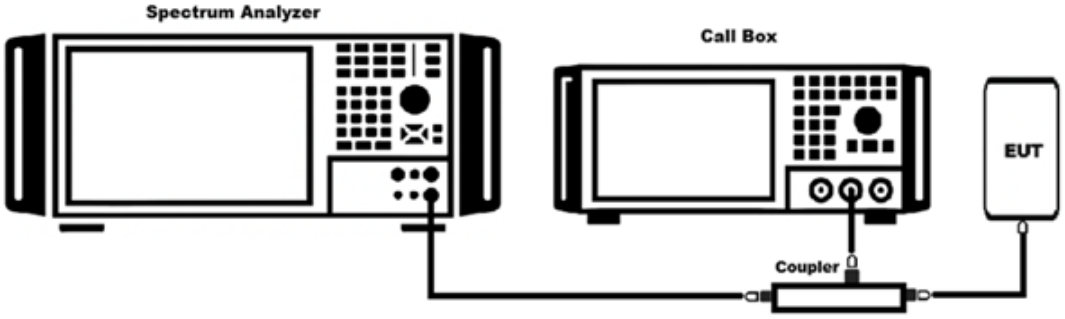


Figure 4-2 Conducted Measurement Setup



4.3. Conducted Measurement Sample

Serial Number(s) : ZDH0428M, ZEJ0893M, ZF50730M

4.4. Occupied & Emission Bandwidth

4.4.1. Regulatory Limit

The following test is for reporting purposes only.

§Part. 2.1049(h)

RSS-Gen (6.7)

4.4.2. Test Method

ANSI C63.26-2015, clause 5.4

4.4.3. Test Procedure

The automatic bandwidth measurement function of the spectrum analyzer was used.

The procedure for this method is follows :

a) Set center frequency to the nominal EUT channel center frequency.
b) Set SPAN ≥ 1.5 times the OBW
c) Set RBW = 1% to 5% of the OBW (RBW - IF 3 dB filter)
d) Set VBW ≥ 3 x RBW
e) Detector = Peak
f) Trace Mode = Max-Hold
g) Allow the trace to stabilize

Test Note

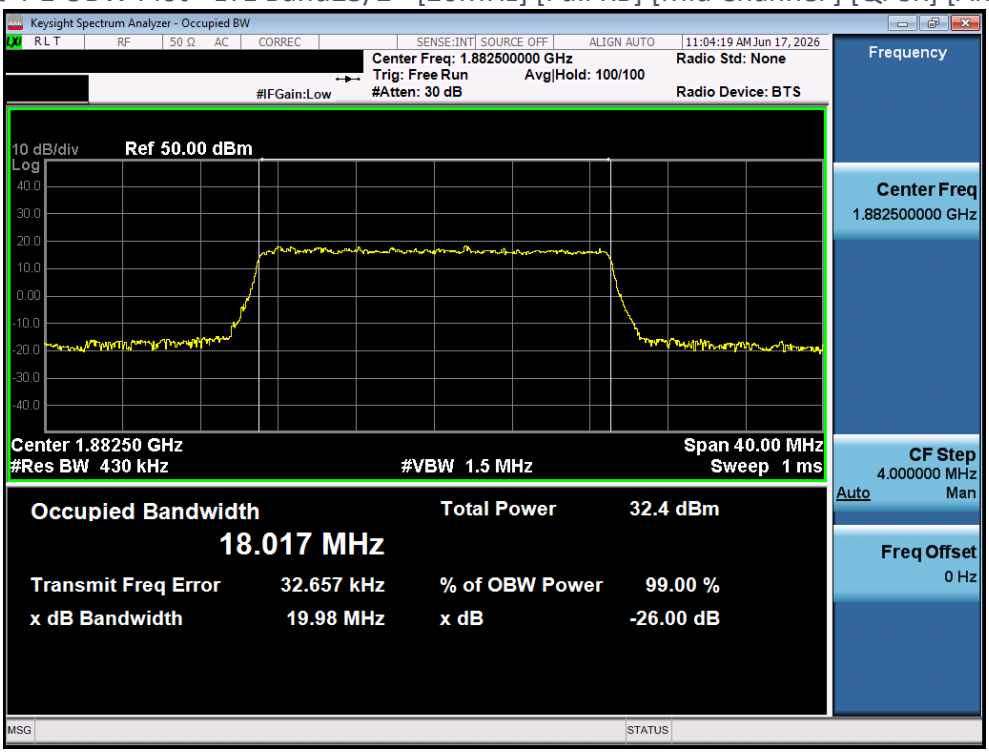
- ✓ All modulation were evaluated, and only the worst-case results are reported herein.
- ✓ The 26 dB Bandwidth data from this section were used to perform the Section 4.6 Conducted Band Edge testing.

4.4.4. Test Results

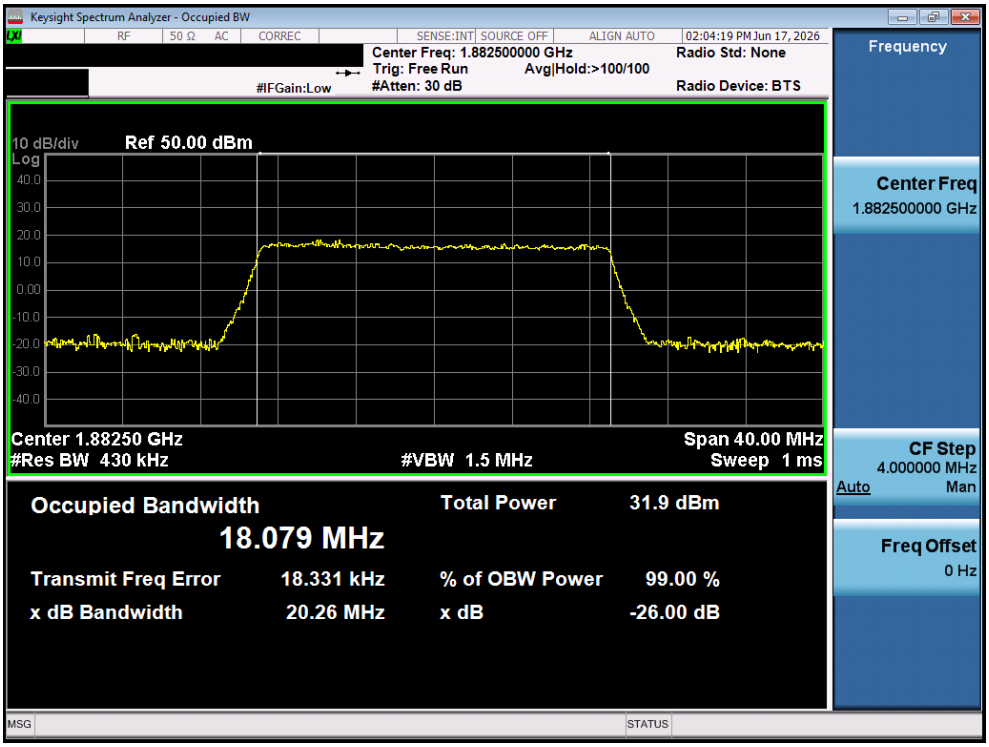
Table 4-1 OBW and 26dB Bandwidth

Band	Band Width [MHz]	Frequency [MHz]	Earfcn UL	RB Size/Offset	Modulation	Occupied Bandwidth [MHz]		26 dB Bandwidth [MHz]	
						Ant1	Ant2	Ant1	Ant2
LTE Band 25/2	20	1882.5	26365	100/0	QPSK	18.02	18.08	19.98	20.26
					16QAM	18.06	18.04	19.95	19.99
	15	1882.5	26365	75/0	QPSK	13.52	13.56	15.40	15.50
					16QAM	13.54	13.59	15.48	15.60
	10	1882.5	26365	50/0	QPSK	9.12	9.16	10.71	10.93
					16QAM	9.13	9.13	10.75	10.61
	5	1882.5	26365	25/0	QPSK	4.59	4.57	5.41	5.57
					16QAM	4.53	4.55	5.38	5.43
	3	1882.5	26365	15/0	QPSK	2.76	2.75	3.20	3.20
					16QAM	2.75	2.76	3.17	3.25
	1.4	1882.5	26365	6/0	QPSK	1.10	1.11	1.33	1.37
					16QAM	1.11	1.11	1.36	1.34

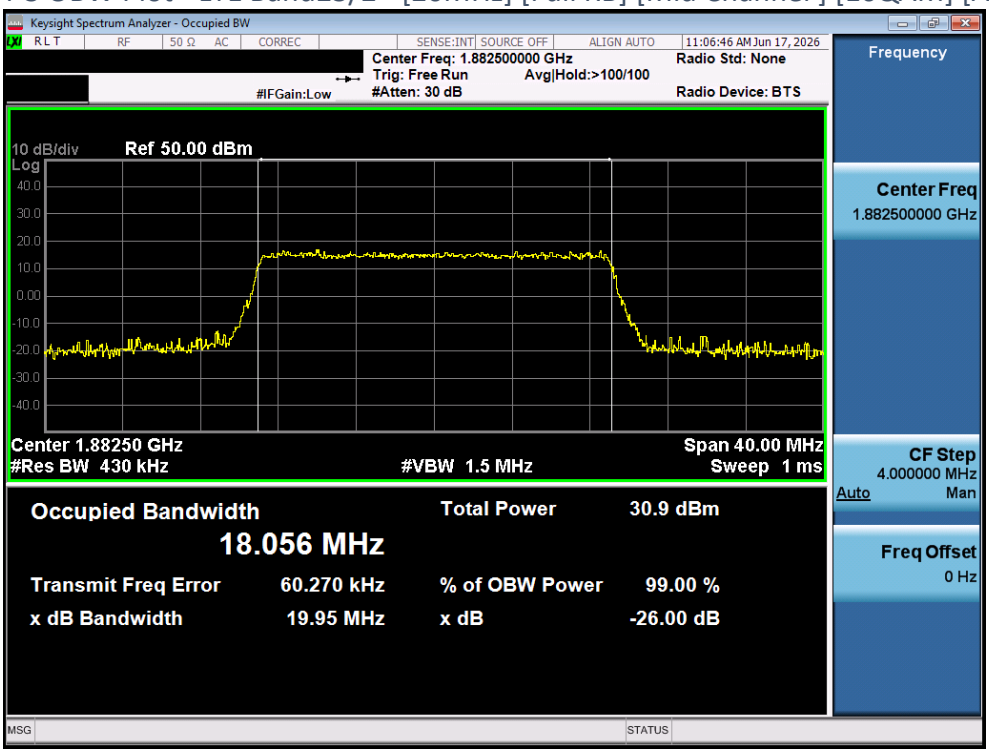
Plot 4-1 OBW Plot - LTE Band25/2 - [20MHz] [Full RB] [Mid Channel] [QPSK] [Ant 1]



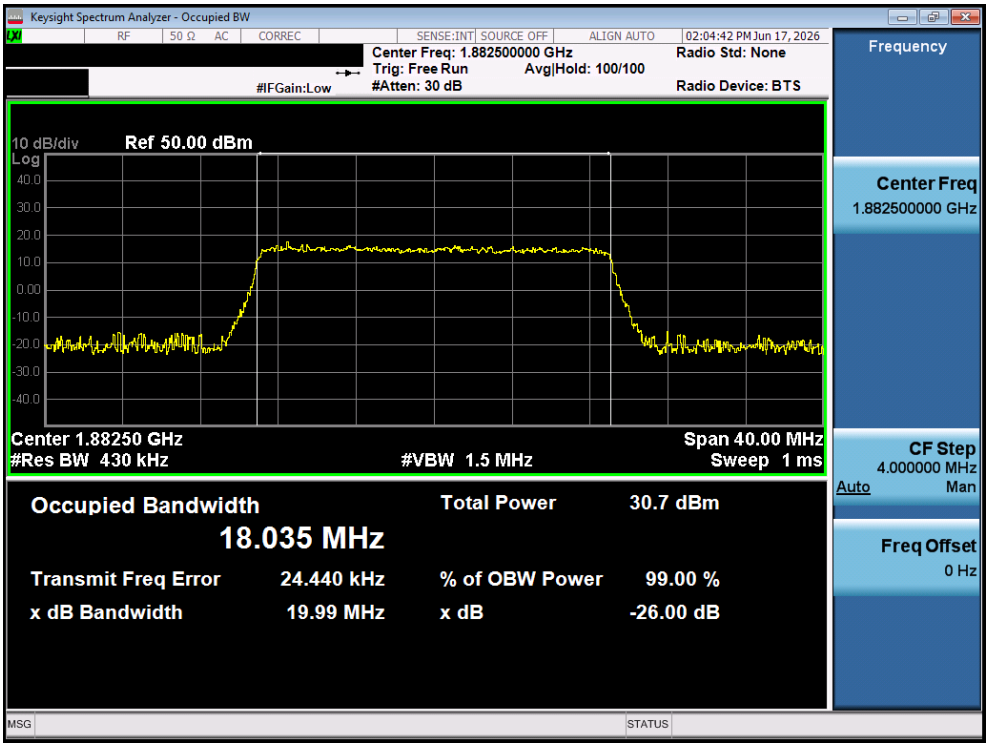
Plot 4-2 OBW Plot - LTE Band25/2 - [20MHz] [Full RB] [Mid Channel] [QPSK] [Ant 2]



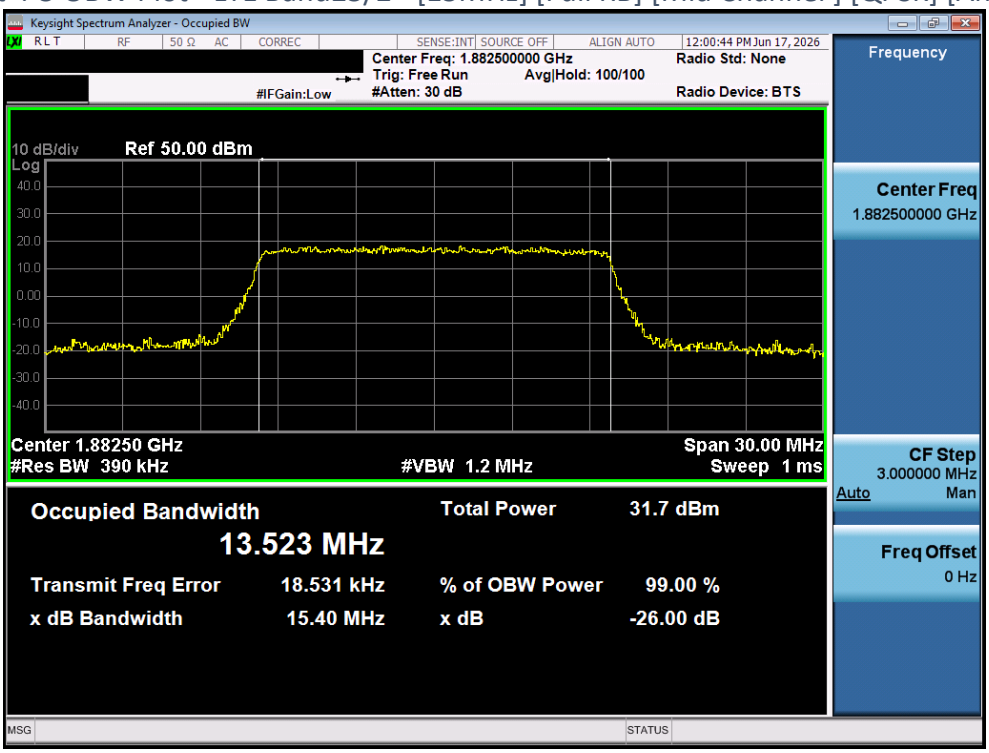
Plot 4-3 OBW Plot - LTE Band25/2 - [20MHz] [Full RB] [Mid Channel] [16QAM] [Ant 1]



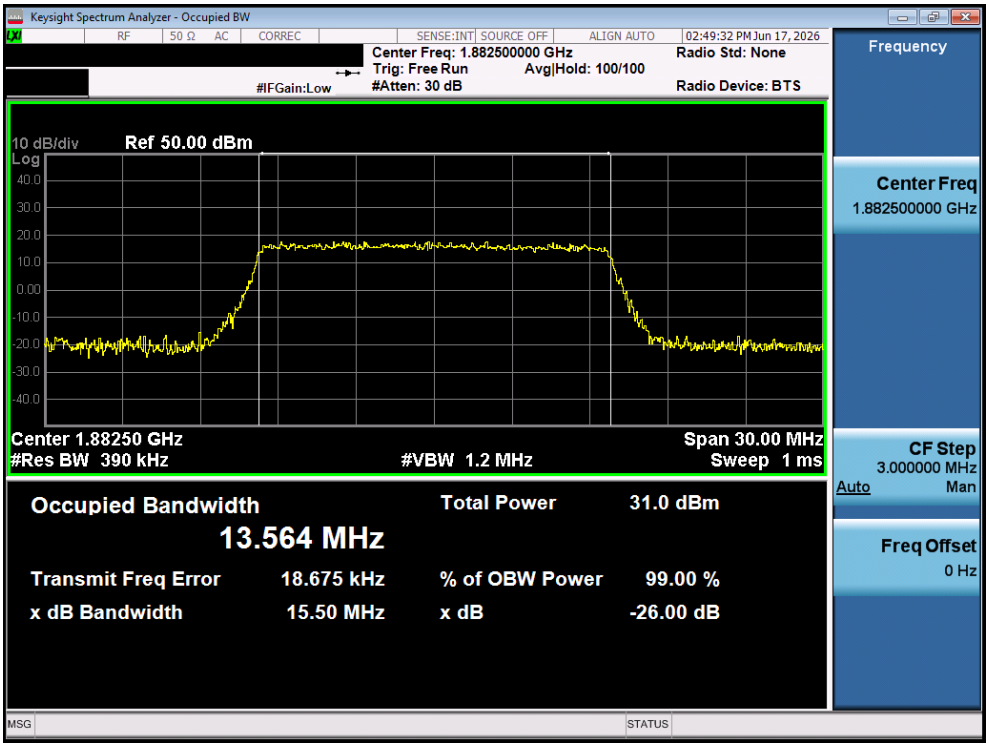
Plot 4-4 OBW Plot - LTE Band25/2 - [20MHz] [Full RB] [Mid Channel] [16QAM] [Ant 2]



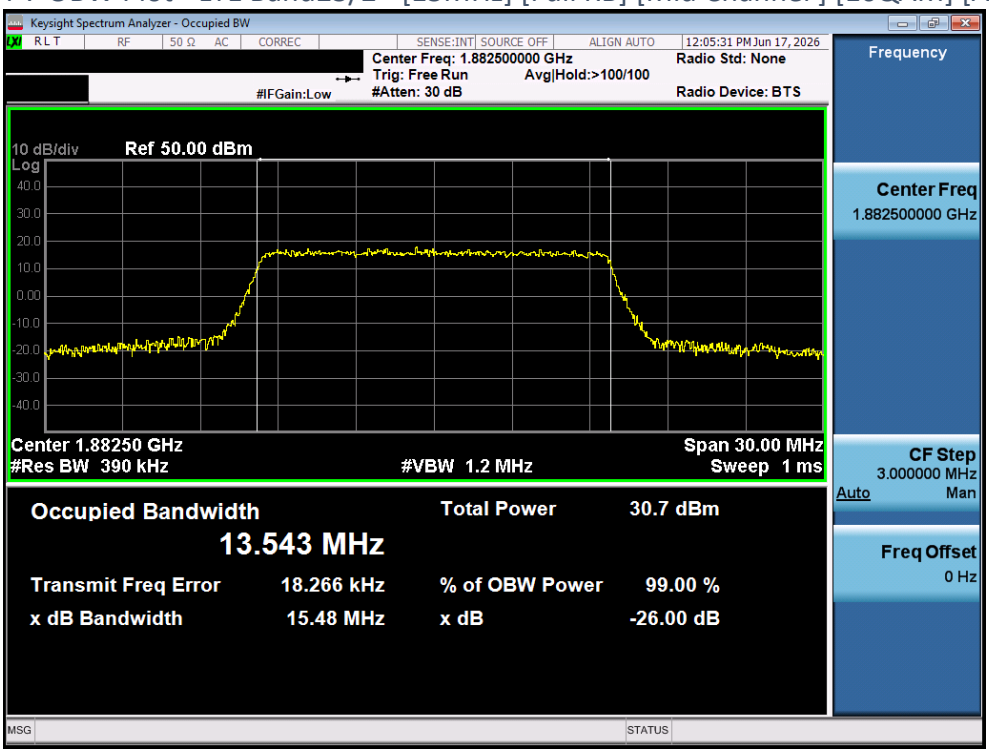
Plot 4-5 OBW Plot - LTE Band25/2 - [15MHz] [Full RB] [Mid Channel] [QPSK] [Ant 1]



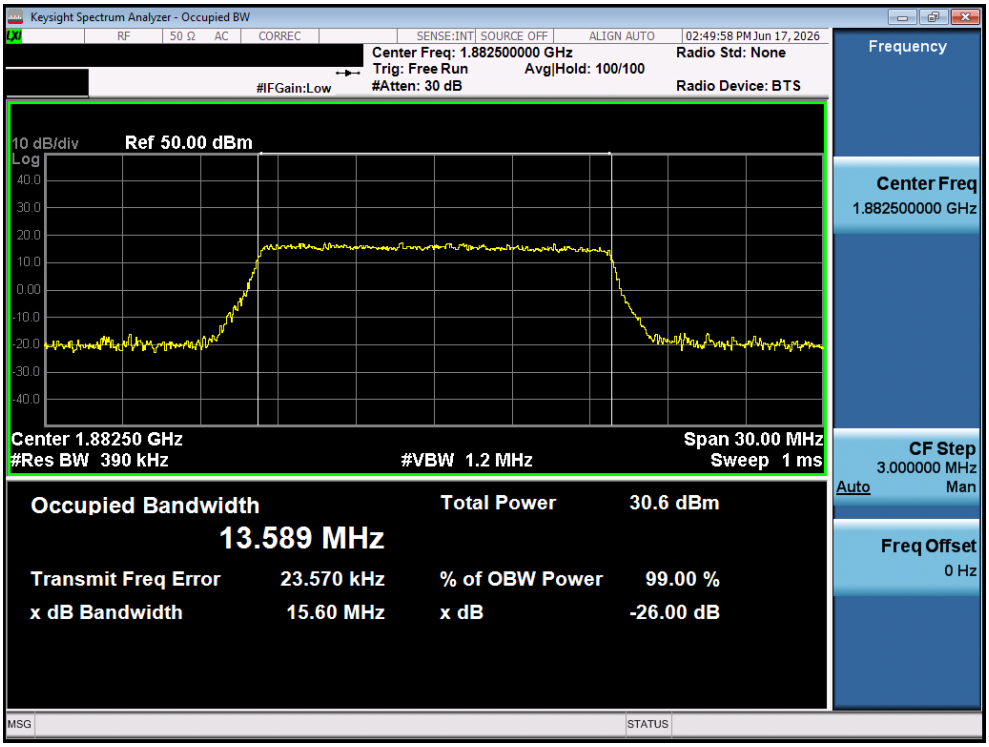
Plot 4-6 OBW Plot - LTE Band25/2 - [15MHz] [Full RB] [Mid Channel] [QPSK] [Ant 2]



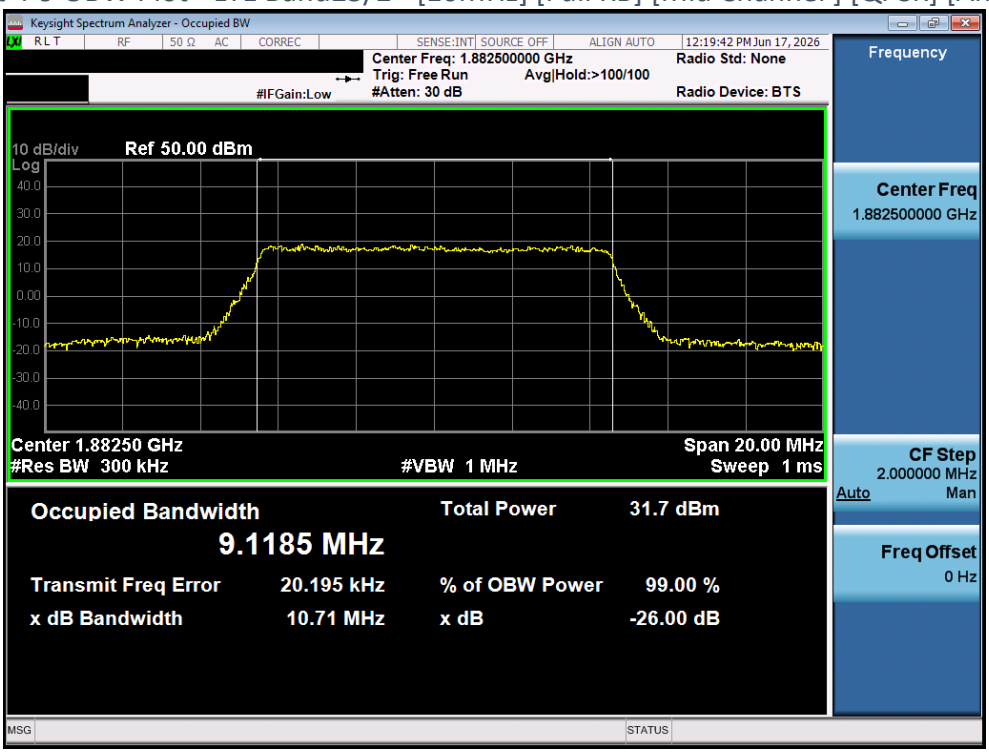
Plot 4-7 OBW Plot - LTE Band25/2 - [15MHz] [Full RB] [Mid Channel] [16QAM] [Ant 1]



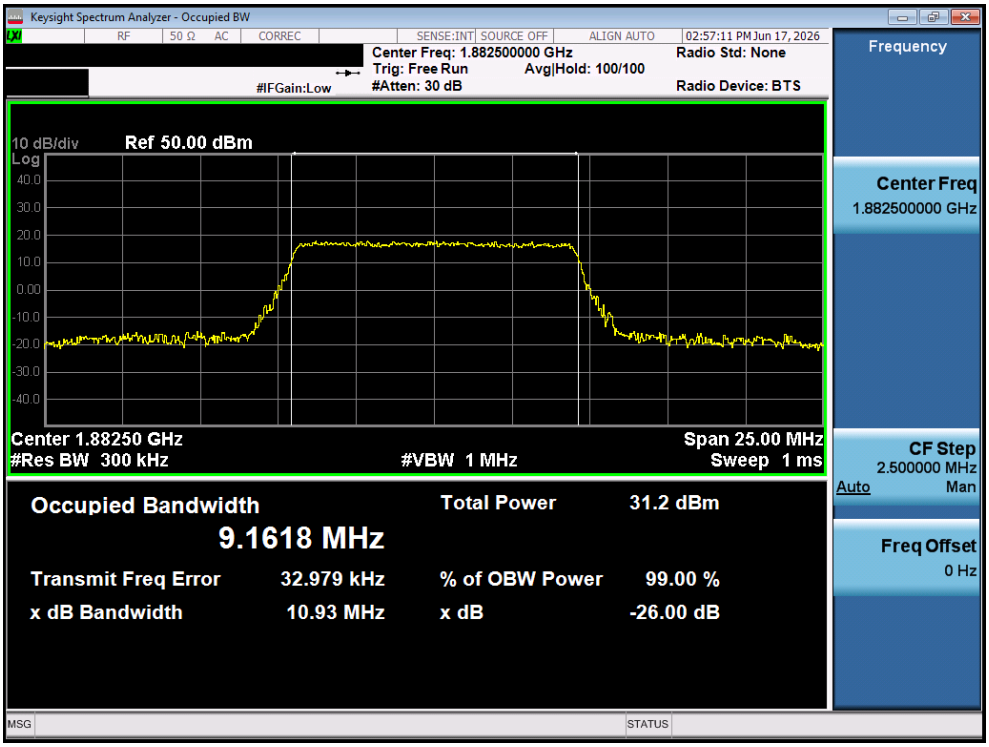
Plot 4-8 OBW Plot - LTE Band25/2 - [15MHz] [Full RB] [Mid Channel] [16QAM] [Ant 2]



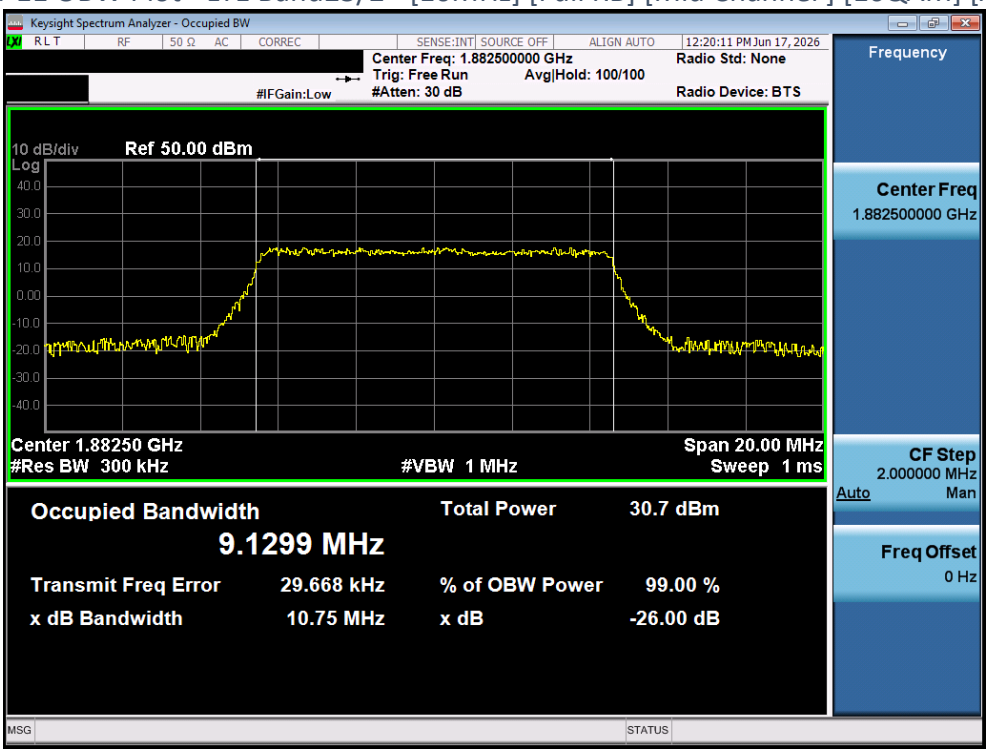
Plot 4-9 OBW Plot - LTE Band25/2 - [10MHz] [Full RB] [Mid Channel] [QPSK] [Ant 1]



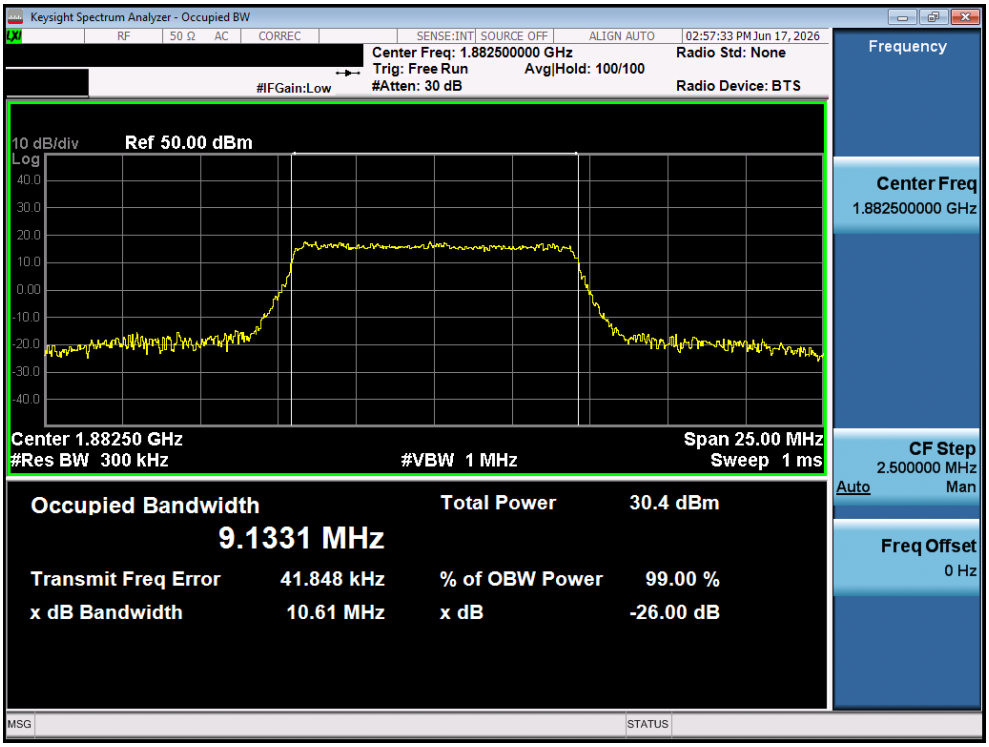
Plot 4-10 OBW Plot - LTE Band25/2 - [10MHz] [Full RB] [Mid Channel] [QPSK] [Ant 2]



Plot 4-11 OBW Plot - LTE Band25/2 - [10MHz] [Full RB] [Mid Channel] [16QAM] [Ant 1]

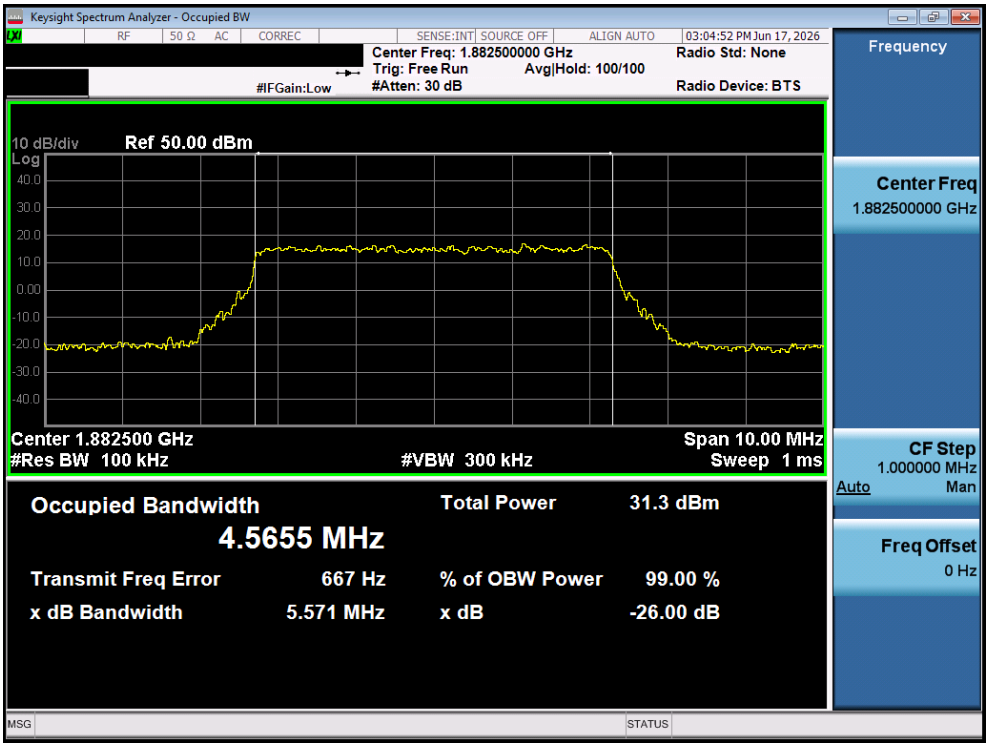


Plot 4-12 OBW Plot - LTE Band25/2 - [10MHz] [Full RB] [Mid Channel] [16QAM] [Ant 2]

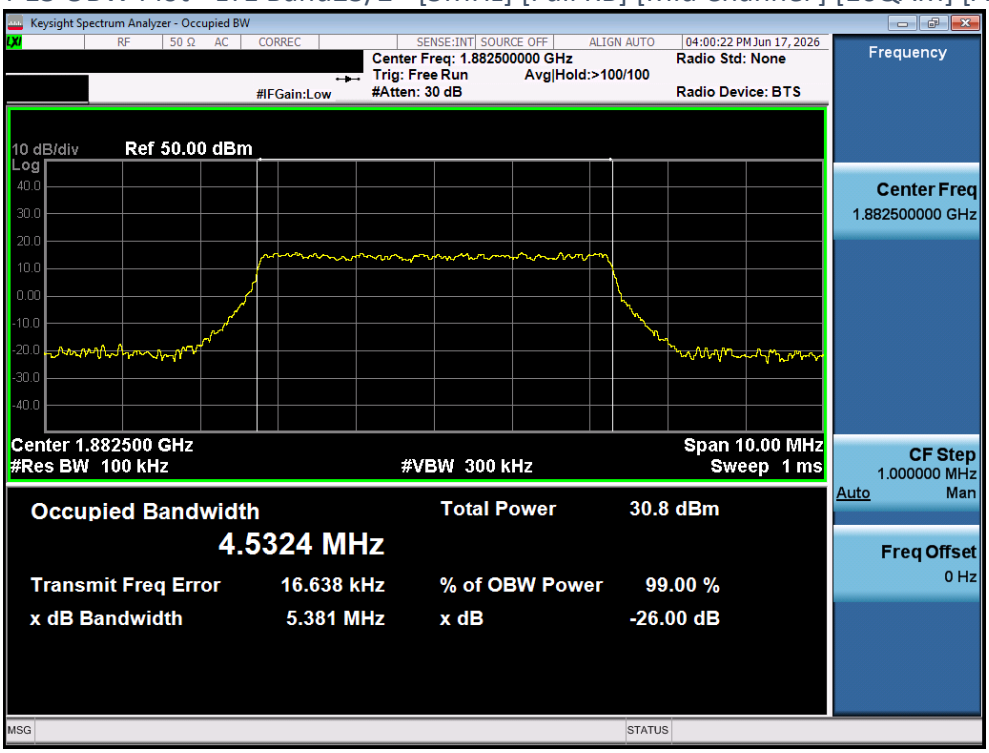


Plot 4-13 OBW Plot - LTE Band25/2 - [5MHz] [Full RB] [Mid Channel] [QPSK] [Ant 1]

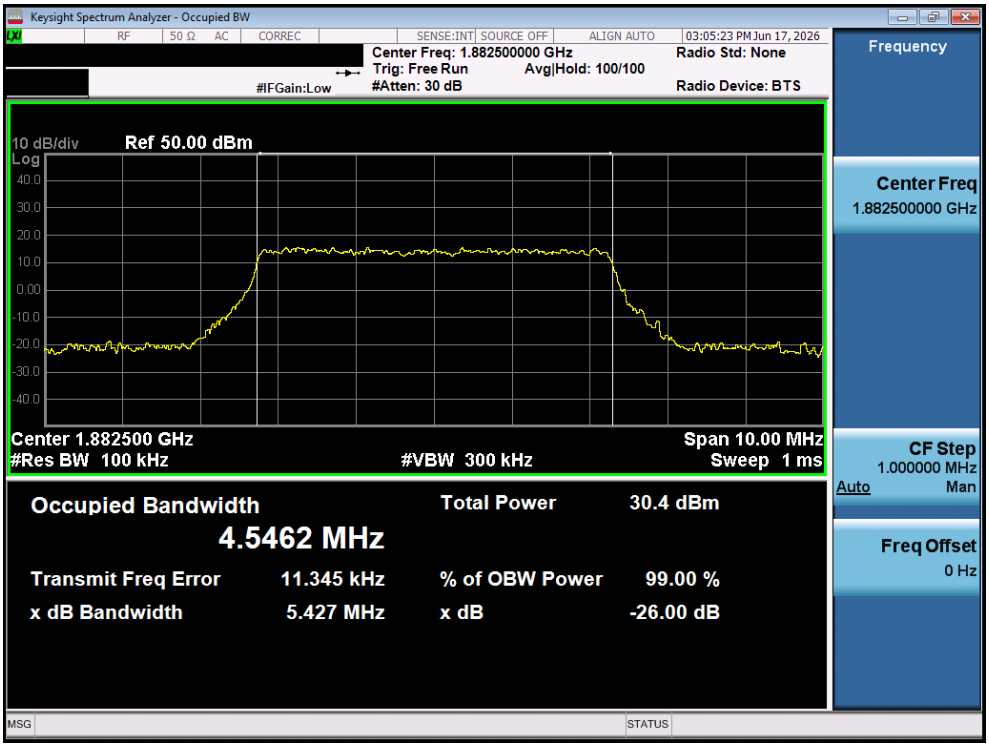
Plot 4-14 OBW Plot - LTE Band25/2 - [5MHz] [Full RB] [Mid Channel] [QPSK] [Ant 2]



Plot 4-15 OBW Plot - LTE Band25/2 - [5MHz] [Full RB] [Mid Channel] [16QAM] [Ant 1]

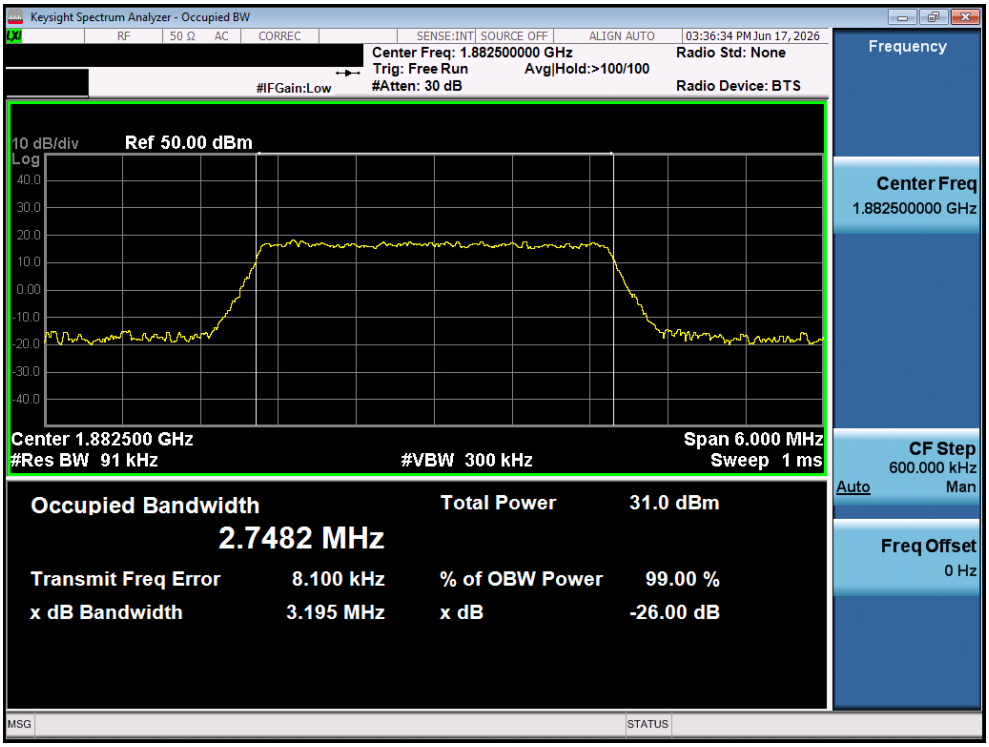


Plot 4-16 OBW Plot - LTE Band25/2 - [5MHz] [Full RB] [Mid Channel] [16QAM] [Ant 2]



Plot 4-17 OBW Plot - LTE Band25/2 - [3MHz] [Full RB] [Mid Channel] [QPSK] [Ant 1]

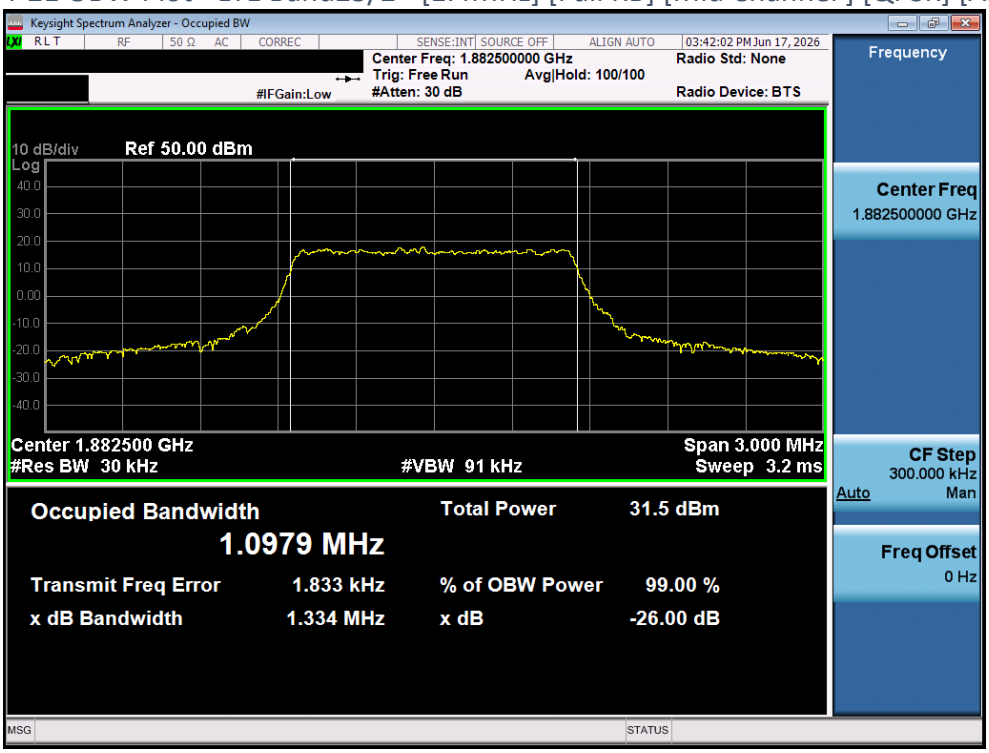
Plot 4-18 OBW Plot - LTE Band25/2 - [3MHz] [Full RB] [Mid Channel] [QPSK] [Ant 2]



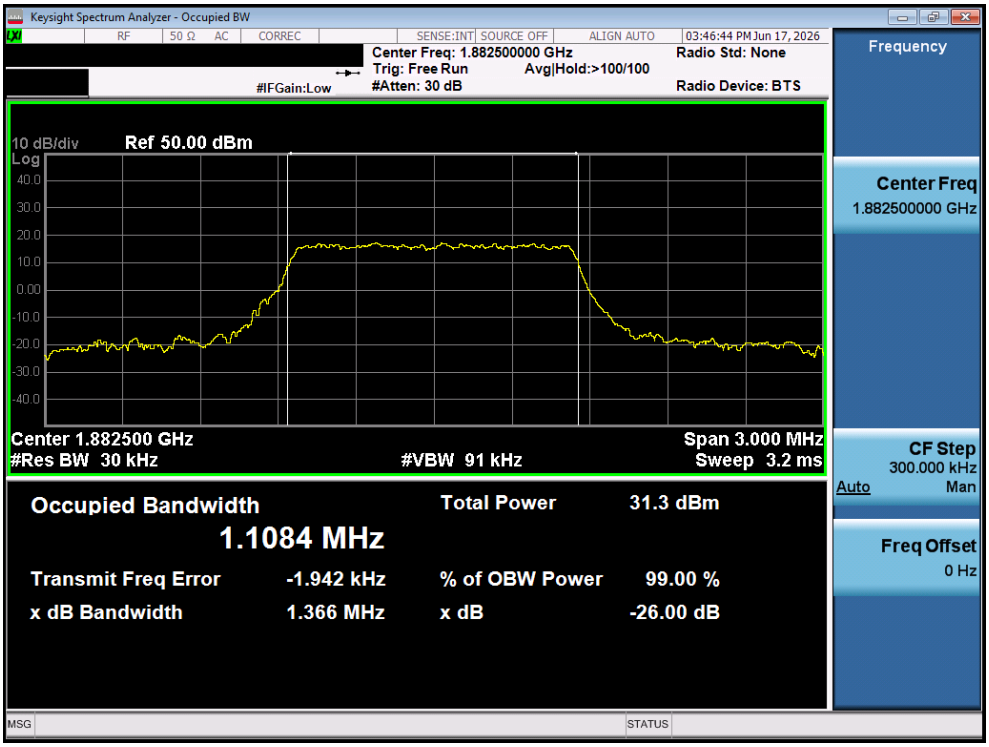
Plot 4-19 OBW Plot - LTE Band25/2 - [3MHz] [Full RB] [Mid Channel] [16QAM] [Ant 1]

Plot 4-20 OBW Plot - LTE Band25/2 - [3MHz] [Full RB] [Mid Channel] [16QAM] [Ant 2]

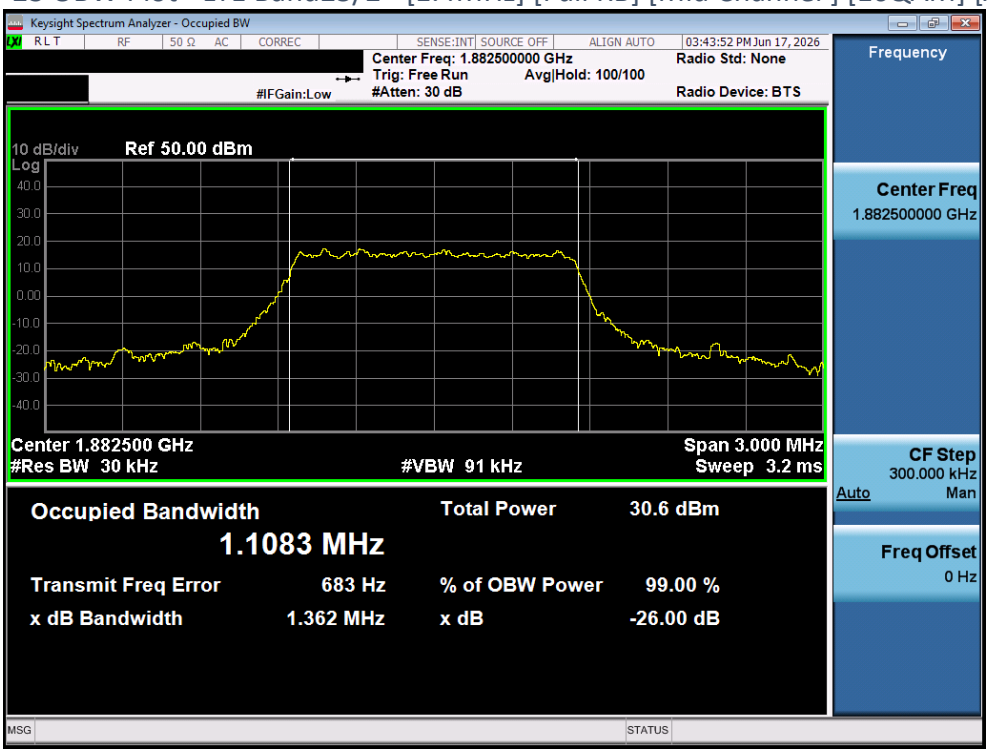
Plot 4-21 OBW Plot - LTE Band25/2 - [1.4MHz] [Full RB] [Mid Channel] [QPSK] [Ant 1]



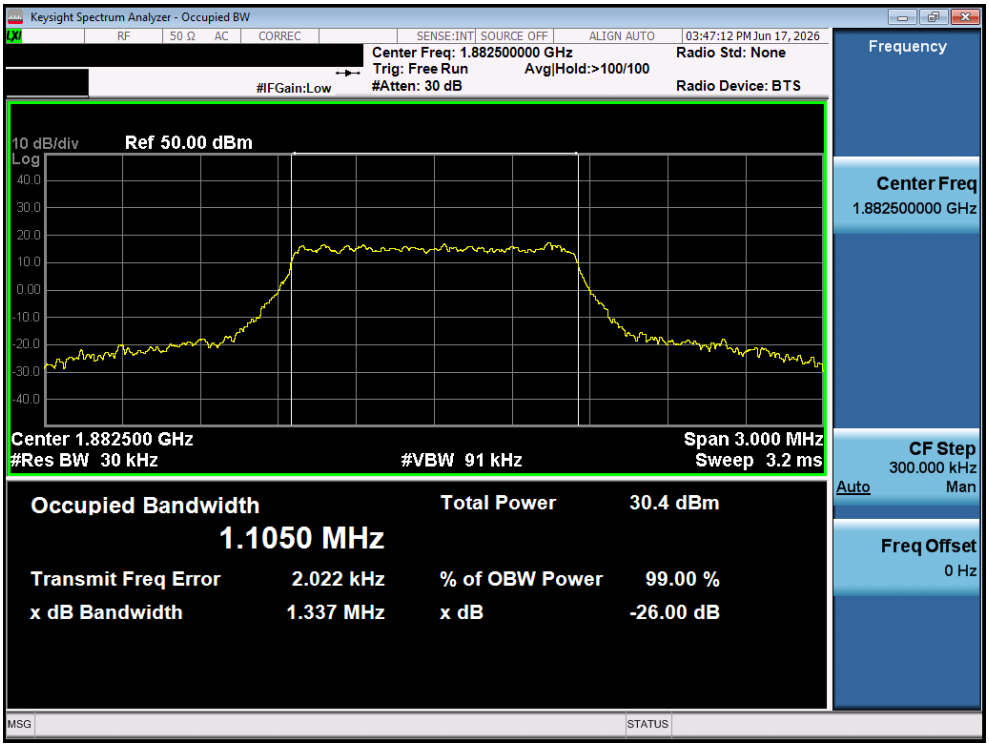
Plot 4-22 OBW Plot - LTE Band25/2 - [1.4MHz] [Full RB] [Mid Channel] [QPSK] [Ant 2]



Plot 4-23 OBW Plot - LTE Band25/2 - [1.4MHz] [Full RB] [Mid Channel] [16QAM] [Ant 1]



Plot 4-24 OBW Plot - LTE Band25/2 - [1.4MHz] [Full RB] [Mid Channel] [16QAM] [Ant 2]



4.5. Peak to Average Ratio

4.5.1. Regulatory Limit

§Part. 24.232(d)

In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

RSS-133(5.5)

The peak-to-average power ratio (PAPR) of the equipment shall not exceed 13 dB for more than 0.1% of the time, using a signal corresponding to the highest PAPR during periods of continuous transmission.

4.5.2. Test Method

ANSI C63.26-2015, clause 5.2.3.4

4.5.3. Test Procedure

The CCDF measurement function of the spectrum analyzer was used.

The procedure for this method is follows :

a) Set center frequency to the nominal EUT channel center frequency.
b) Set analysis Bandwidth ≥ OBW or specified reference bandwidth.
c) Number of Count = stabilizes the measured CCDF curve.
d) Set the measurement interval as follows:
   For continuous transmissions, set to the greater of [10 × (number of points in sweep) × (transmission symbol period)] or 1 ms.
   For burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize. Set the measurement interval to a time that is less than or equal to the burst duration.
e) Record the maximum PAPR level associated with a probability of 0.1%.

Test Note

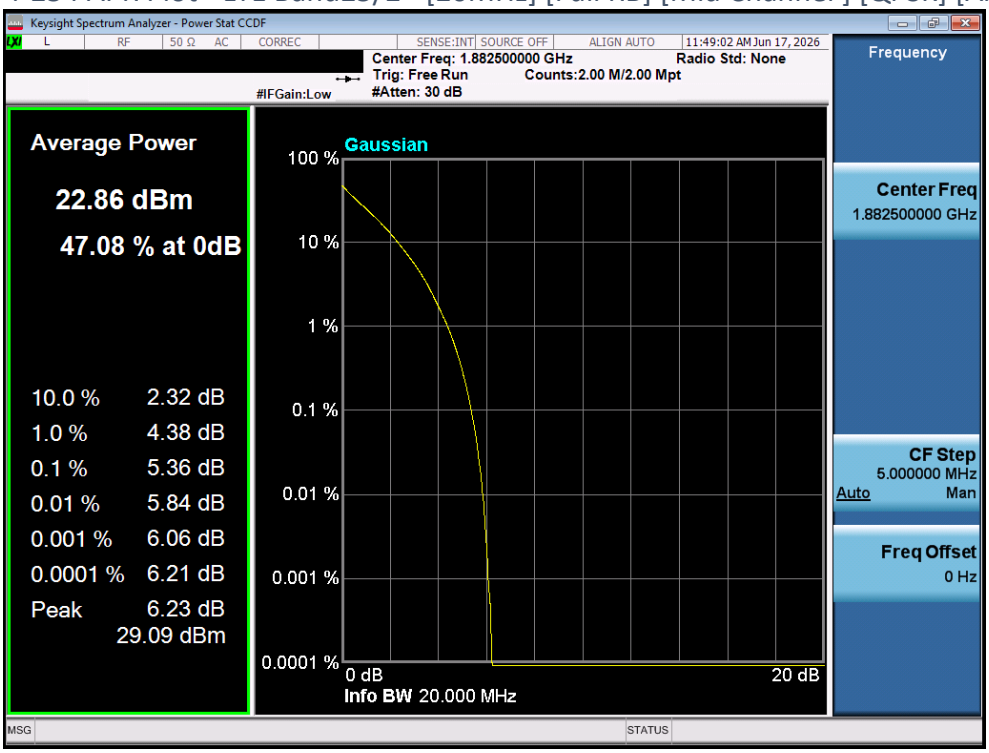
✓ All modulation schemes were investigated, and only the worst-case results are reported herein.

4.5.4. Test Results

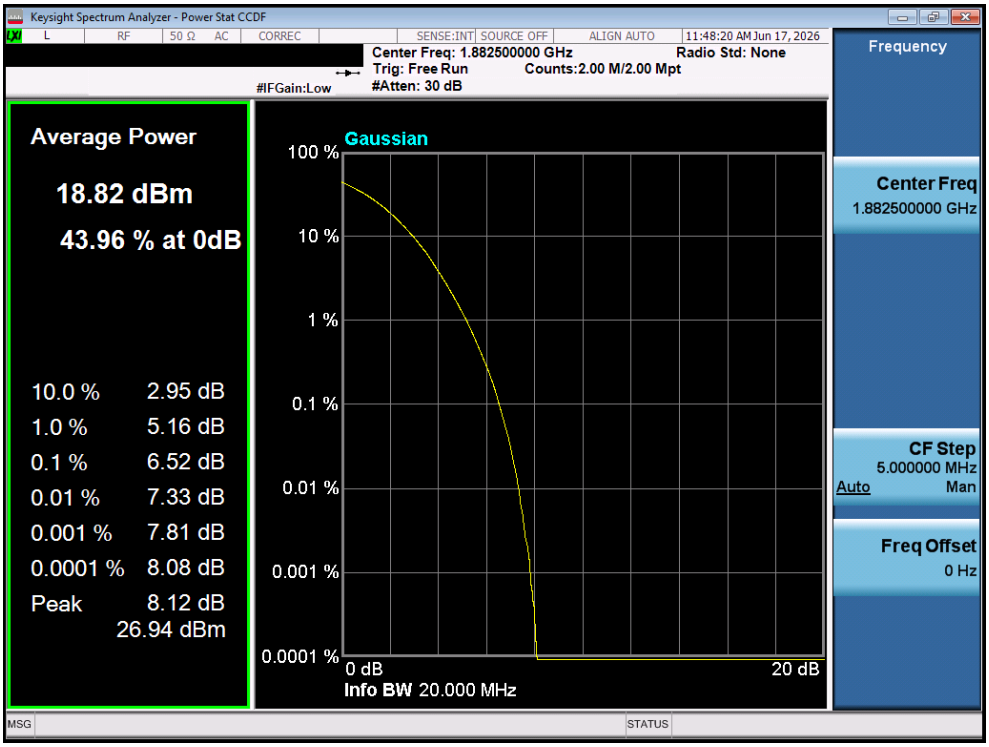
Table 4-2 PAPR Test Data Ant1

Band	Band Width [MHz]	Frequency [MHz]	Earfcn UL	RB Size/Offset	Modulation	PAR 0.1 % [dB]	Limit [dB]	Margin [dB]
LTE Band 25/2	20	1882.5	26365	100/0	QPSK	5.36	13	-7.64
					16QAM	6.07	13	-6.93
					64QAM	6.32	13	-6.68
					256QAM	6.52	13	-6.48
	15	1882.5	26365	75/0	QPSK	5.33	13	-7.67
					16QAM	6.07	13	-6.93
					64QAM	6.20	13	-6.80
					256QAM	6.48	13	-6.52
	10	1882.5	26365	50/0	QPSK	5.33	13	-7.67
					16QAM	6.07	13	-6.93
					64QAM	6.16	13	-6.84
					256QAM	6.35	13	-6.65
	5	1882.5	26365	25/0	QPSK	5.23	13	-7.77
					16QAM	5.94	13	-7.06
					64QAM	6.12	13	-6.88
					256QAM	6.24	13	-6.76
	3	1882.5	26365	15/0	QPSK	5.10	13	-7.90
					16QAM	5.96	13	-7.04
					64QAM	5.82	13	-7.18
					256QAM	6.13	13	-6.87
	1.4	1882.5	26365	6/0	QPSK	5.20	13	-7.80
					16QAM	6.01	13	-6.99
					64QAM	5.93	13	-7.07
					256QAM	6.20	13	-6.80

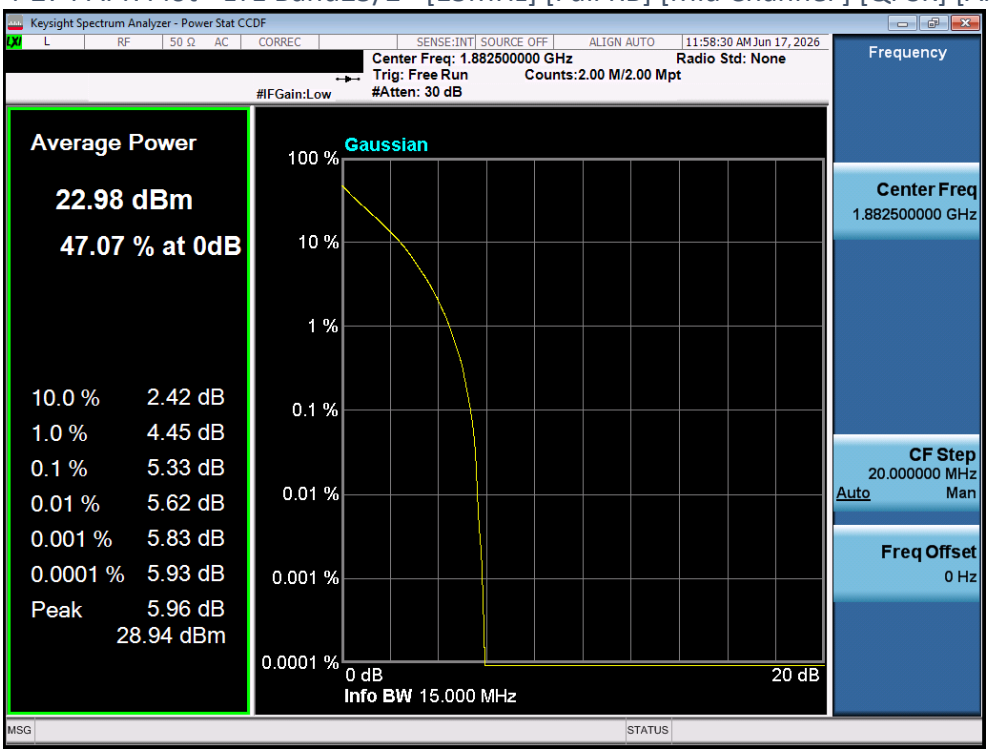
Plot 4-25 PAPR Plot - LTE Band25/2 - [20MHz] [Full RB] [Mid Channel] [QPSK] [Ant 1]



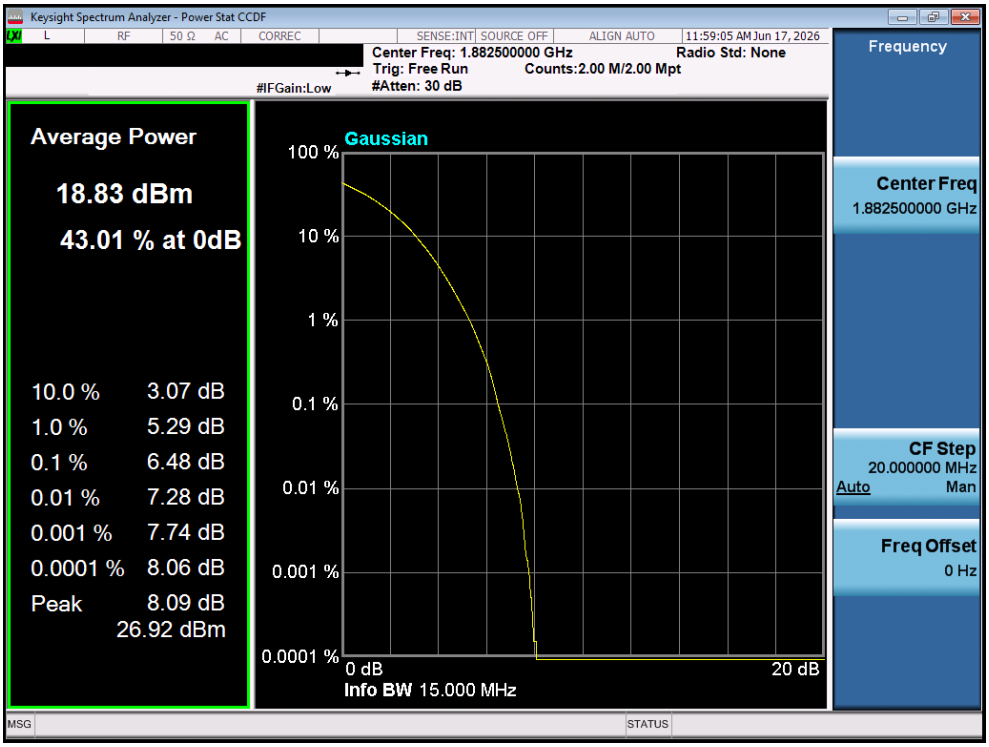
Plot 4-26 PAPR Plot - LTE Band25/2 - [20MHz] [Full RB] [Mid Channel] [256QAM] [Ant 1]



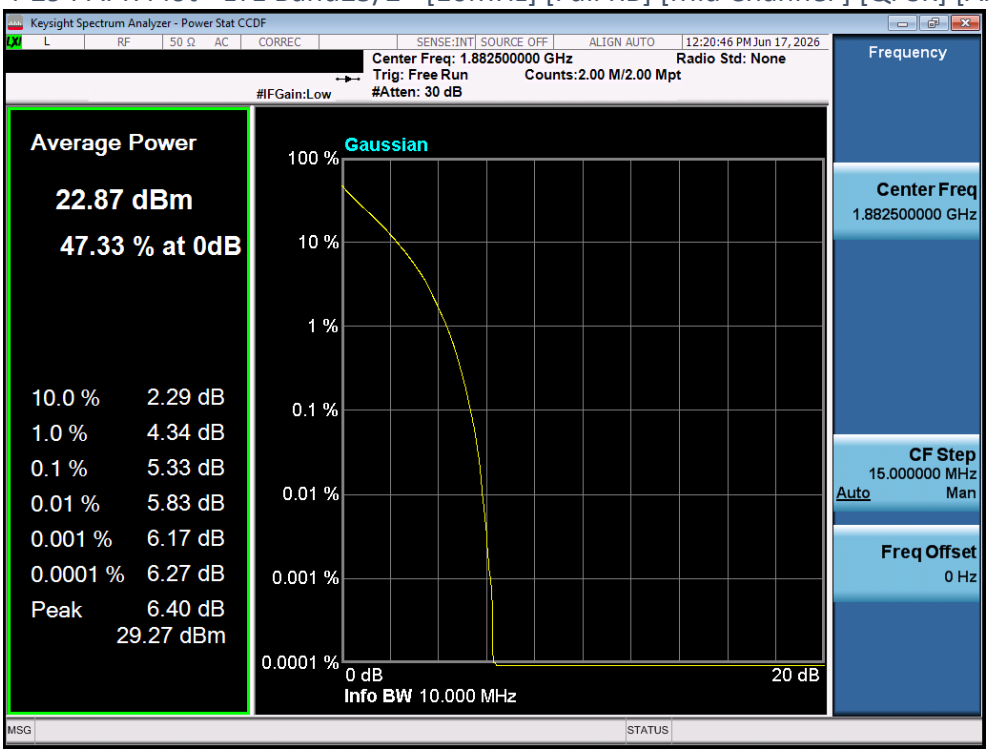
Plot 4-27 PAPR Plot - LTE Band25/2 - [15MHz] [Full RB] [Mid Channel] [QPSK] [Ant 1]



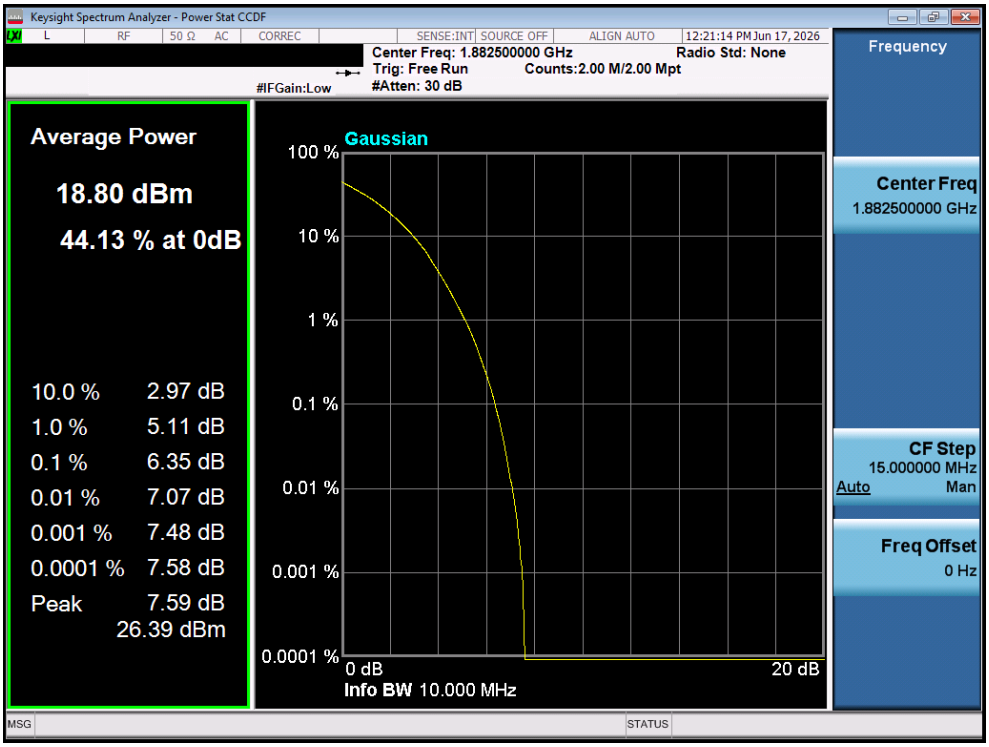
Plot 4-28 PAPR Plot - LTE Band25/2 - [15MHz] [Full RB] [Mid Channel] [256QAM] [Ant 1]



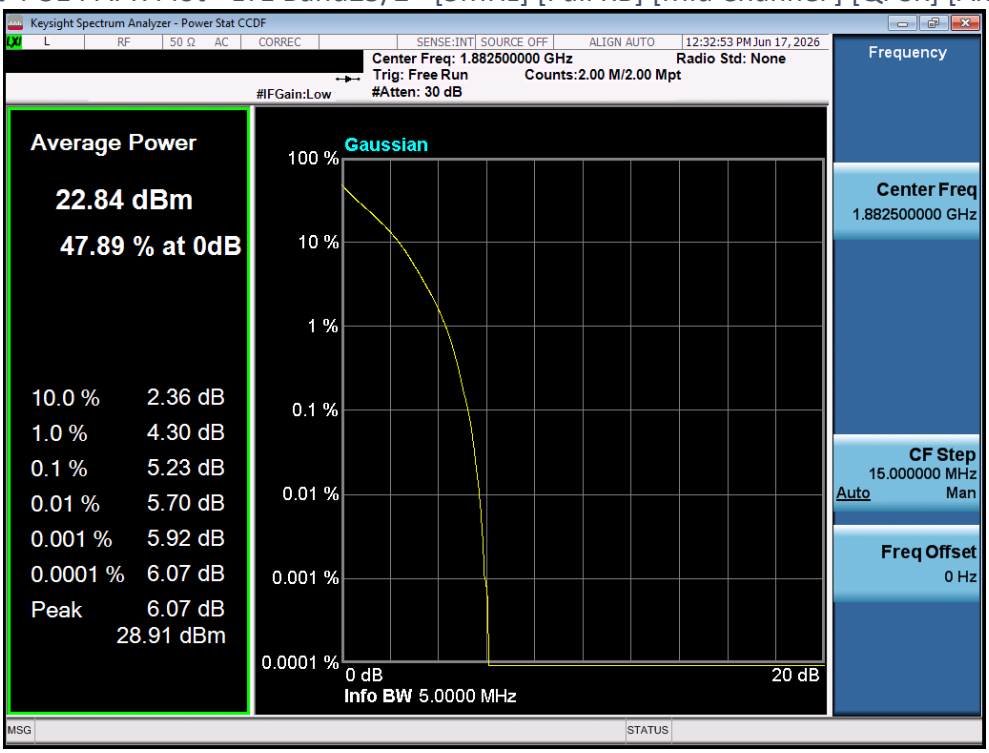
Plot 4-29 PAPR Plot - LTE Band25/2 - [10MHz] [Full RB] [Mid Channel] [QPSK] [Ant 1]



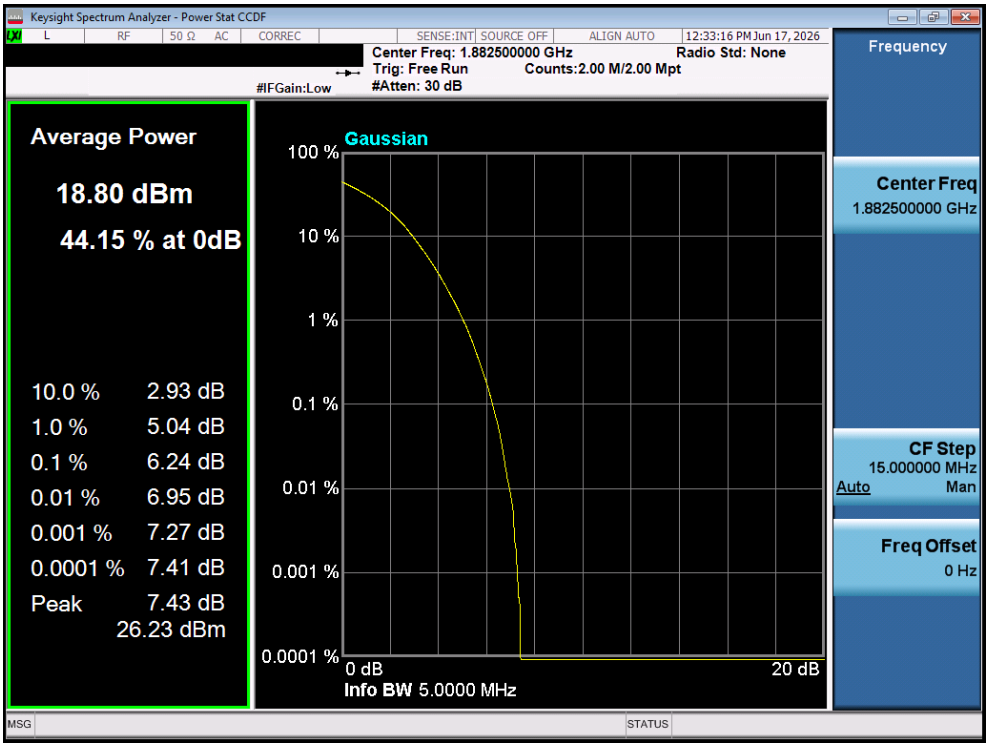
Plot 4-30 PAPR Plot - LTE Band25/2 - [10MHz] [Full RB] [Mid Channel] [256QAM] [Ant 1]



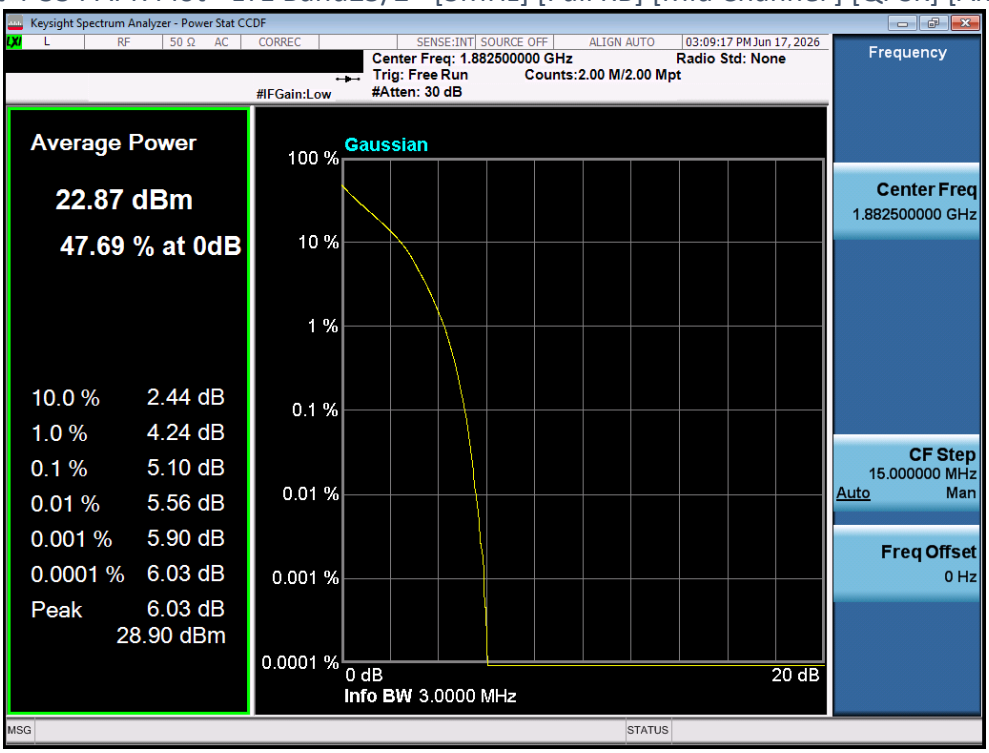
Plot 4-31 PAPR Plot - LTE Band25/2 - [5MHz] [Full RB] [Mid Channel] [QPSK] [Ant 1]



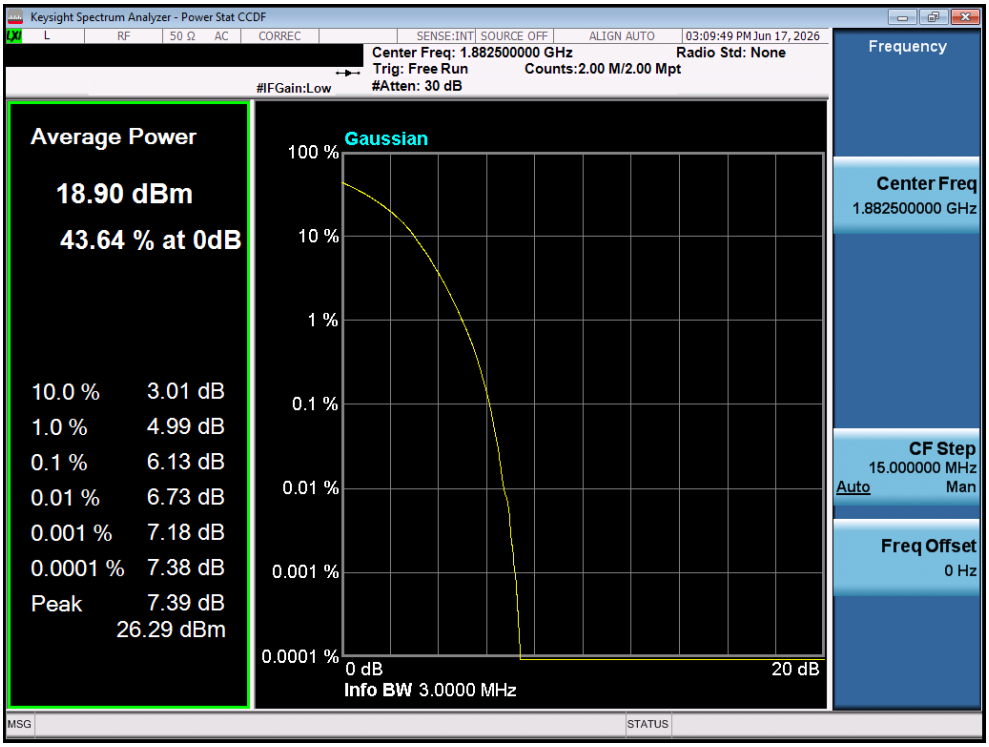
Plot 4-32 PAPR Plot - LTE Band25/2 - [5MHz] [Full RB] [Mid Channel] [256QAM] [Ant 1]



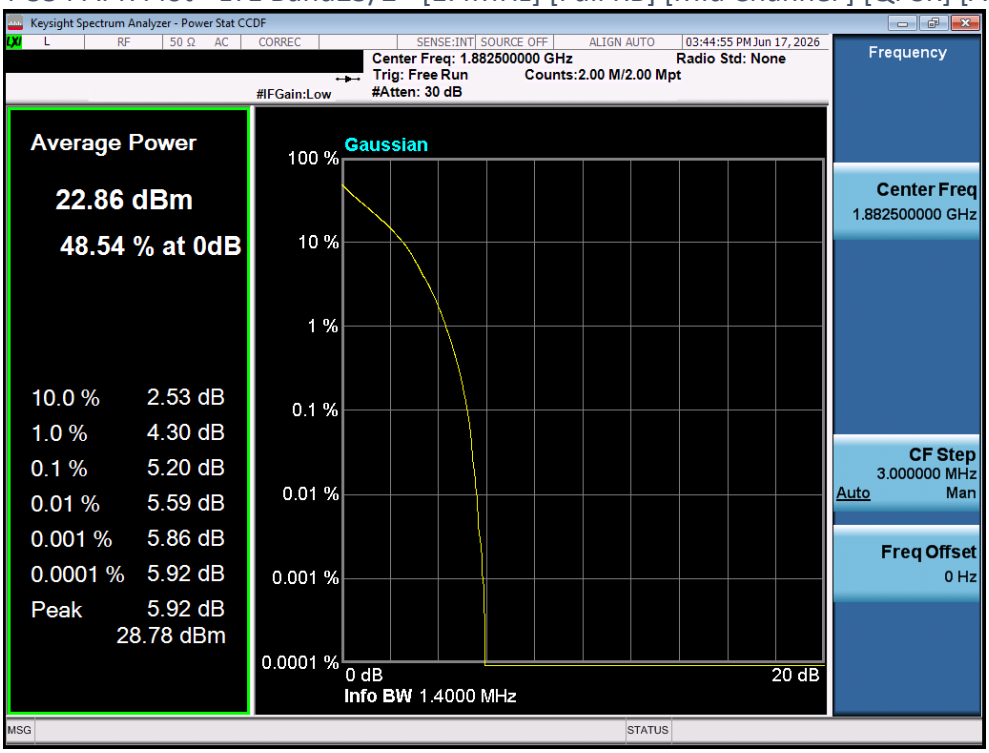
Plot 4-33 PAPR Plot - LTE Band25/2 - [3MHz] [Full RB] [Mid Channel] [QPSK] [Ant 1]



Plot 4-34 PAPR Plot - LTE Band25/2 - [3MHz] [Full RB] [Mid Channel] [256QAM] [Ant 1]



Plot 4-35 PAPR Plot - LTE Band25/2 - [1.4MHz] [Full RB] [Mid Channel] [QPSK] [Ant 1]



Plot 4-36 PAPR Plot - LTE Band25/2 - [1.4MHz] [Full RB] [Mid Channel] [256QAM] [Ant 1]

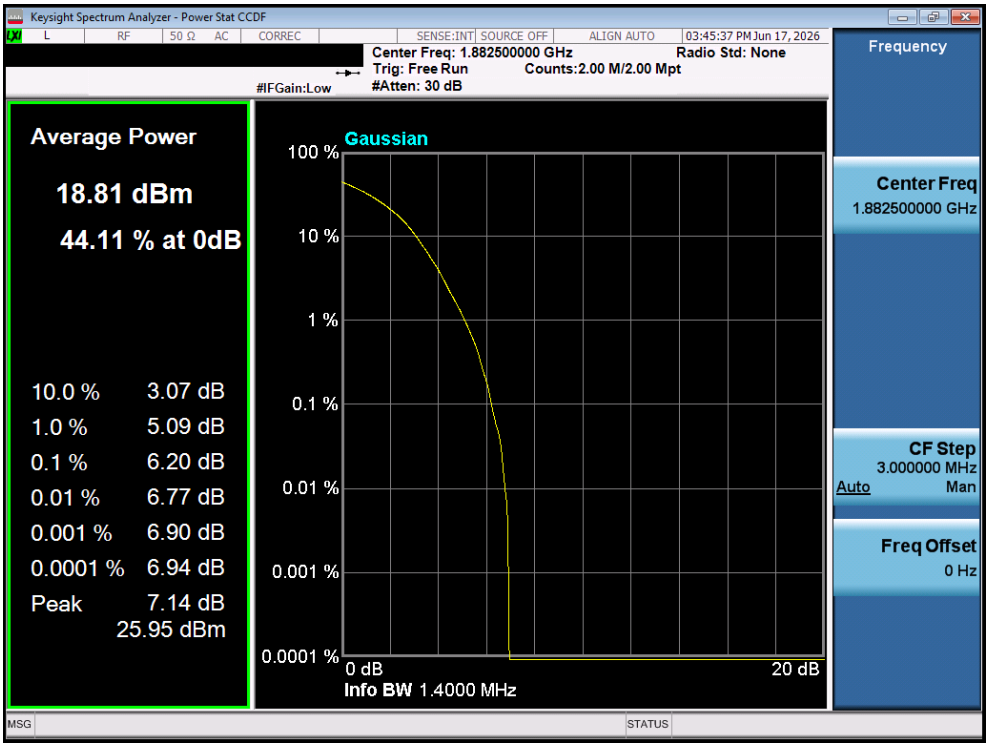
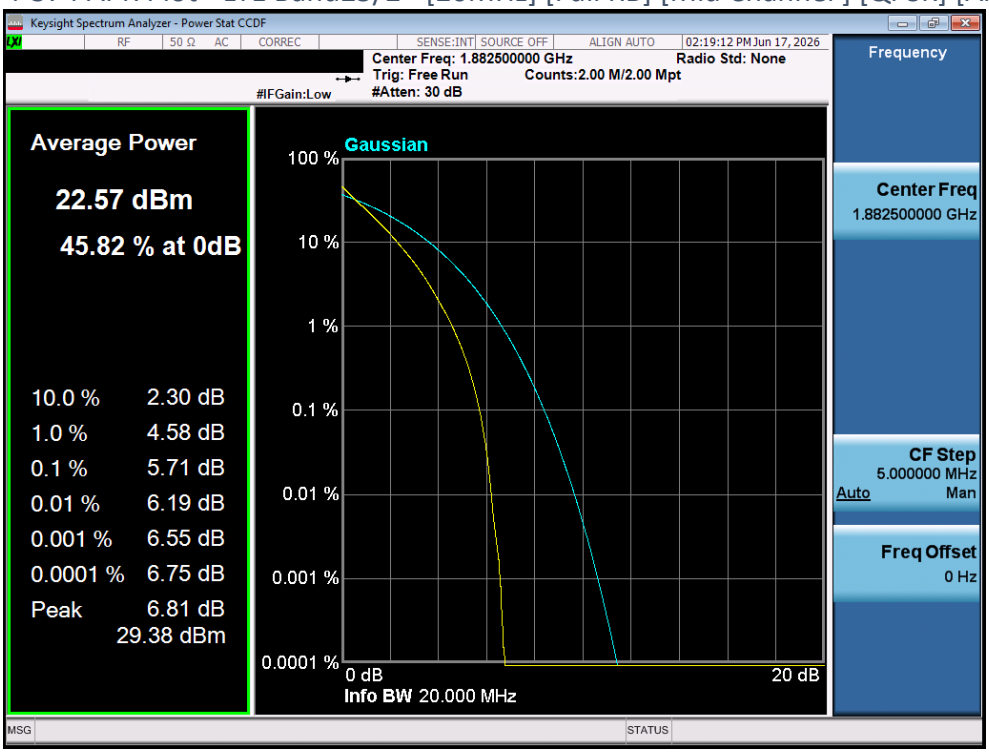


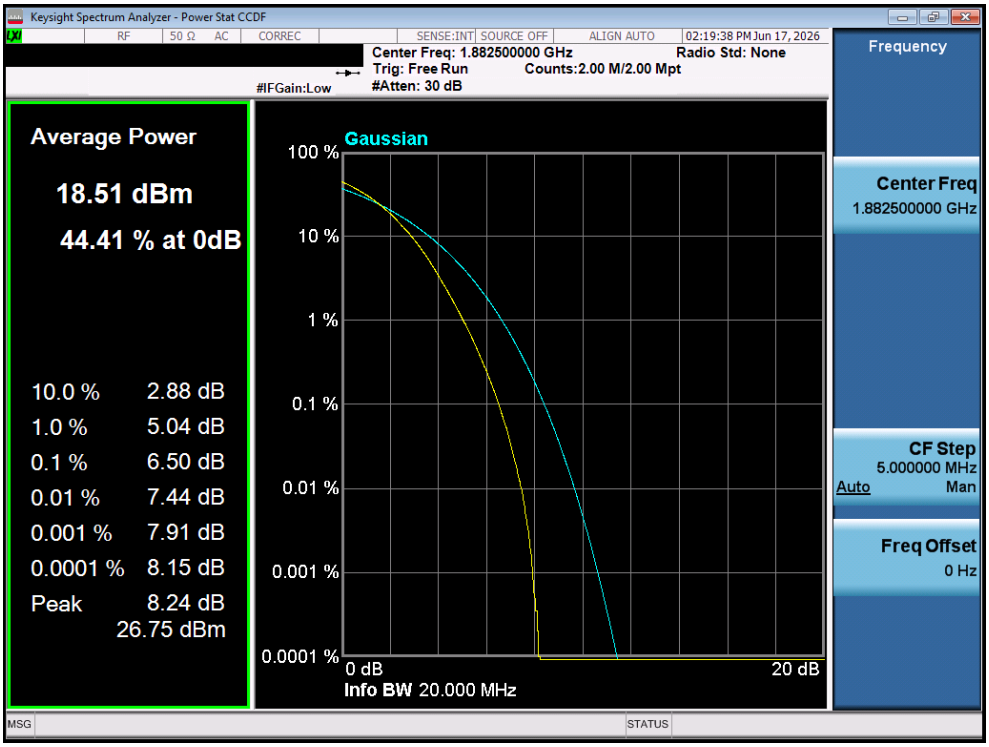
Table 4-3 PAPR Test Data Ant2

Band	Band Width [MHz]	Frequency [MHz]	Earfcn UL	RB Size/Offset	Modulation	PAR 0.1 % [dB]	Limit [dB]	Margin [dB]
LTE Band 25/2	20	1882.5	26365	100/0	QPSK	5.71	13	-7.29
					16QAM	6.40	13	-6.60
					64QAM	6.69	13	-6.31
					256QAM	6.50	13	-6.50
	15	1882.5	26365	75/0	QPSK	5.83	13	-7.17
					16QAM	6.42	13	-6.58
					64QAM	6.63	13	-6.37
					256QAM	6.46	13	-6.54
	10	1882.5	26365	50/0	QPSK	5.46	13	-7.54
					16QAM	6.18	13	-6.82
					64QAM	6.53	13	-6.47
					256QAM	6.80	13	-6.20
	5	1882.5	26365	25/0	QPSK	5.41	13	-7.59
					16QAM	6.09	13	-6.91
					64QAM	6.39	13	-6.61
					256QAM	6.72	13	-6.28
	3	1882.5	26365	15/0	QPSK	5.24	13	-7.76
					16QAM	6.20	13	-6.80
					64QAM	6.47	13	-6.53
					256QAM	6.70	13	-6.30
	1.4	1882.5	26365	6/0	QPSK	5.27	13	-7.73
					16QAM	6.20	13	-6.80
					64QAM	6.47	13	-6.53
					256QAM	6.69	13	-6.31

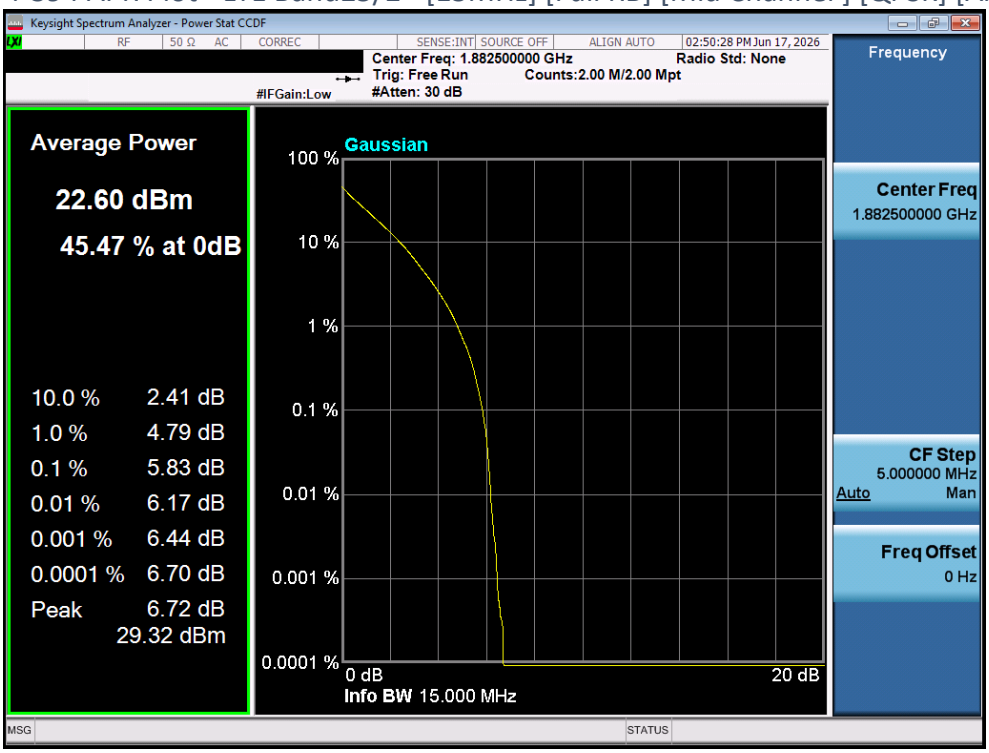
Plot 4-37 PAPR Plot - LTE Band25/2 - [20MHz] [Full RB] [Mid Channel] [QPSK] [Ant 2]



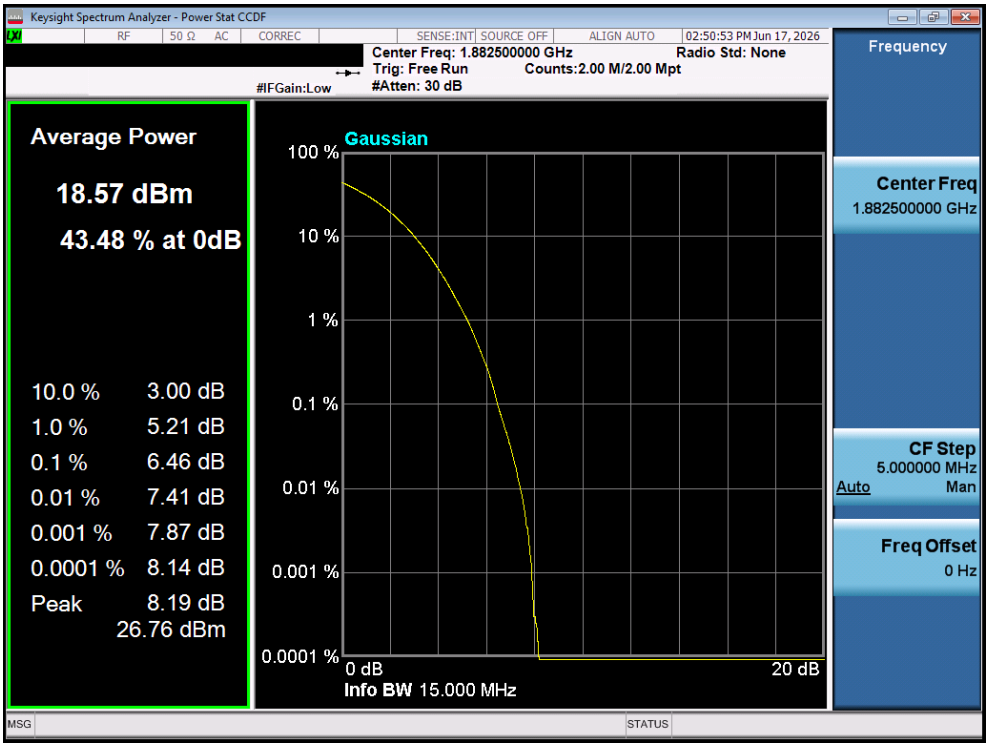
Plot 4-38 PAPR Plot - LTE Band25/2 - [20MHz] [Full RB] [Mid Channel] [256QAM] [Ant 2]



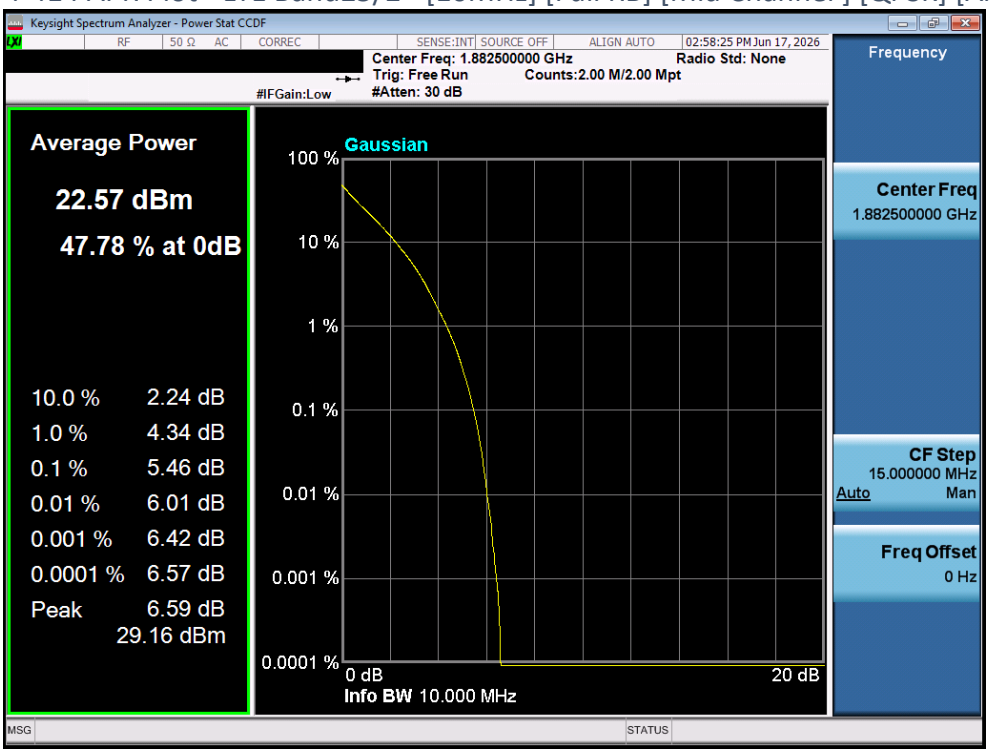
Plot 4-39 PAPR Plot - LTE Band25/2 - [15MHz] [Full RB] [Mid Channel] [QPSK] [Ant 2]



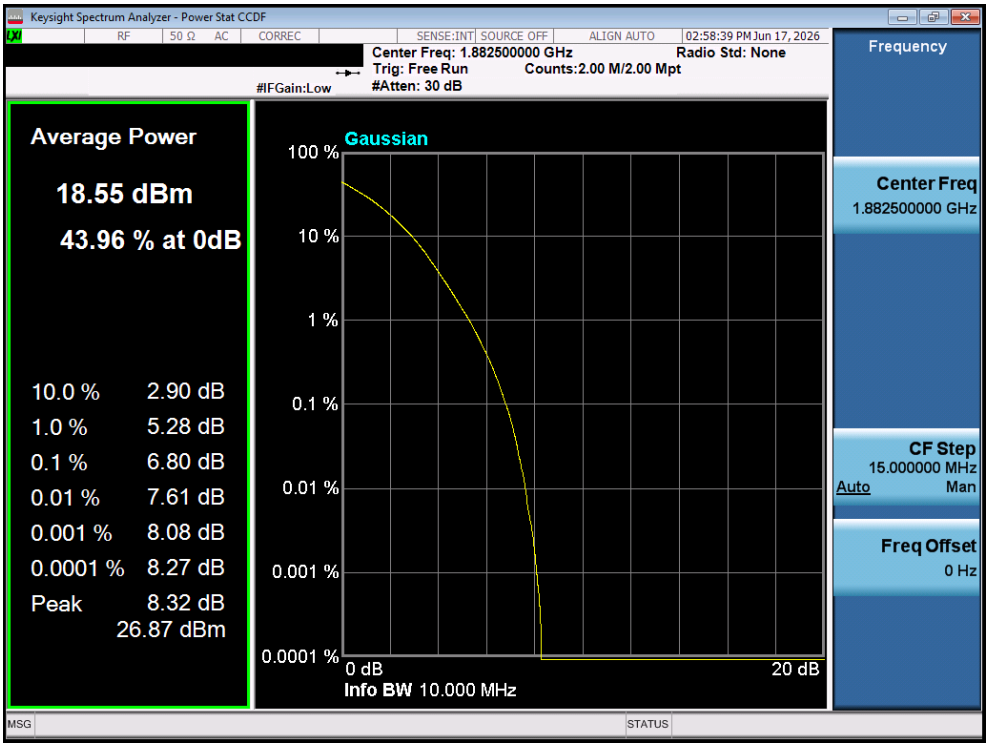
Plot 4-40 PAPR Plot - LTE Band25/2 - [15MHz] [Full RB] [Mid Channel] [256QAM] [Ant 2]



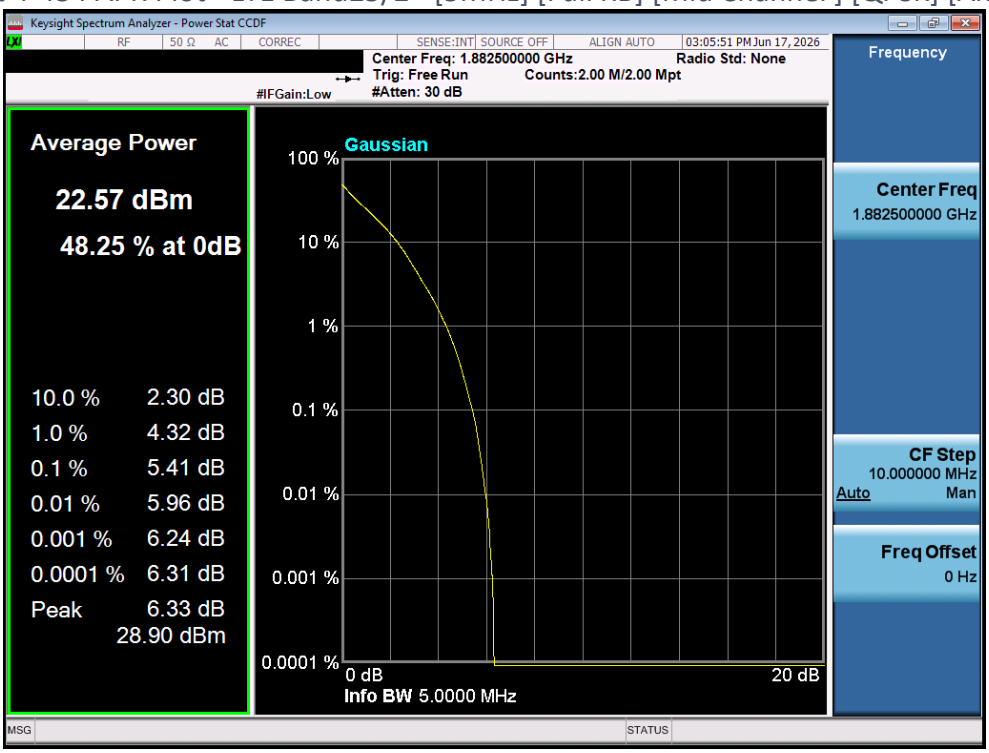
Plot 4-41 PAPR Plot - LTE Band25/2 - [10MHz] [Full RB] [Mid Channel] [QPSK] [Ant 2]



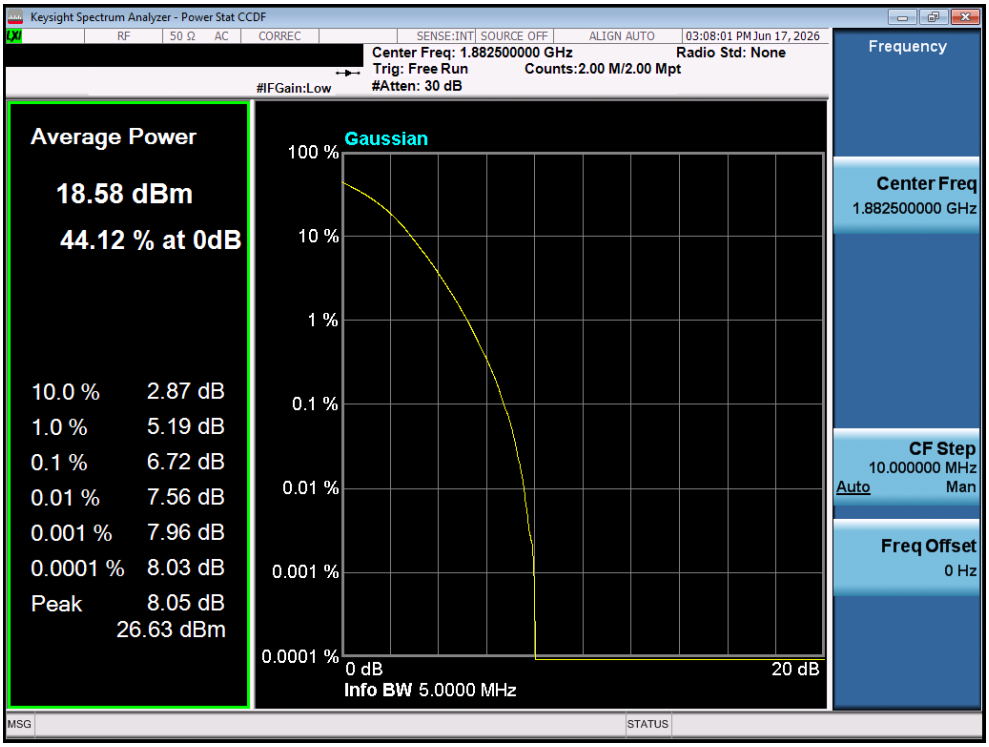
Plot 4-42 PAPR Plot - LTE Band25/2 - [10MHz] [Full RB] [Mid Channel] [256QAM] [Ant 2]



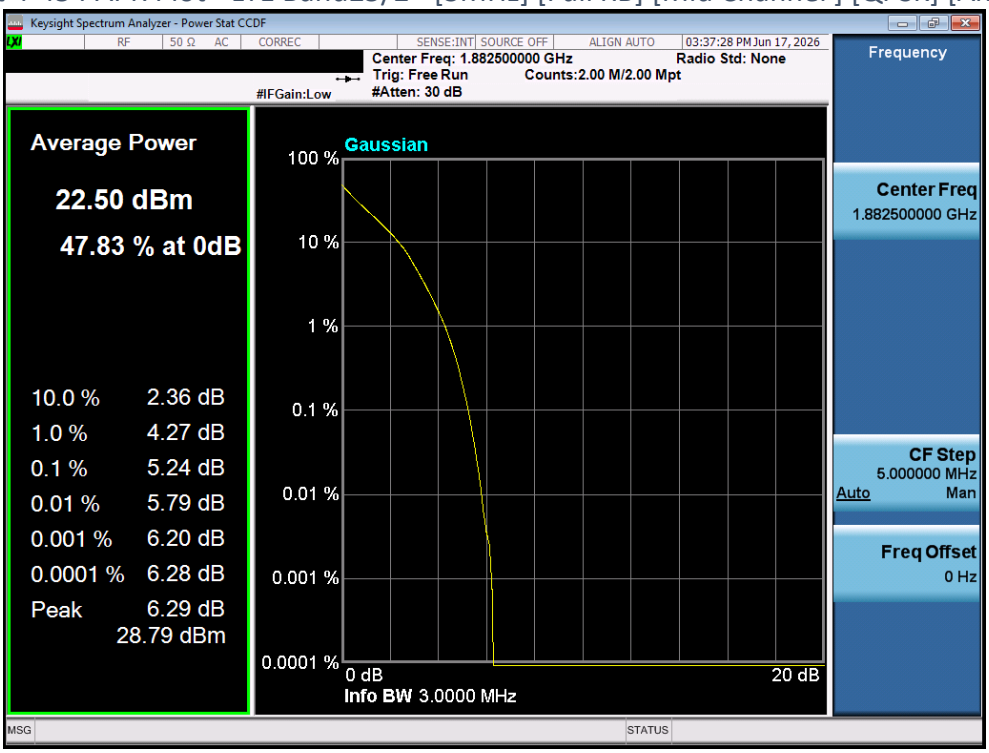
Plot 4-43 PAPR Plot - LTE Band25/2 - [5MHz] [Full RB] [Mid Channel] [QPSK] [Ant 2]



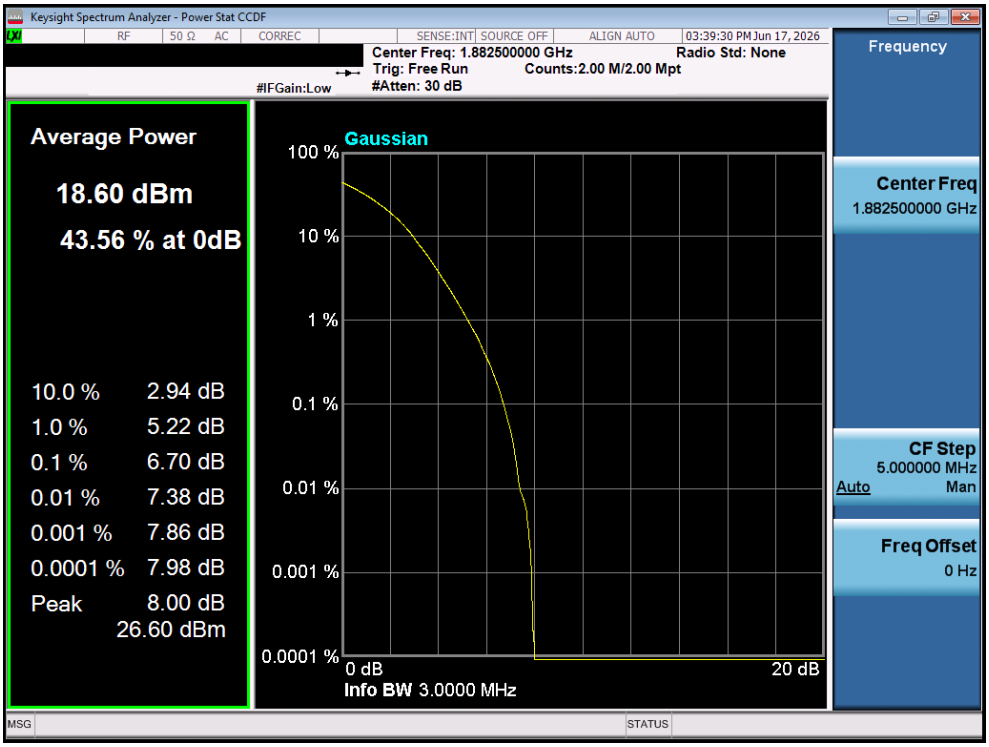
Plot 4-44 PAPR Plot - LTE Band25/2 - [5MHz] [Full RB] [Mid Channel] [256QAM] [Ant 2]



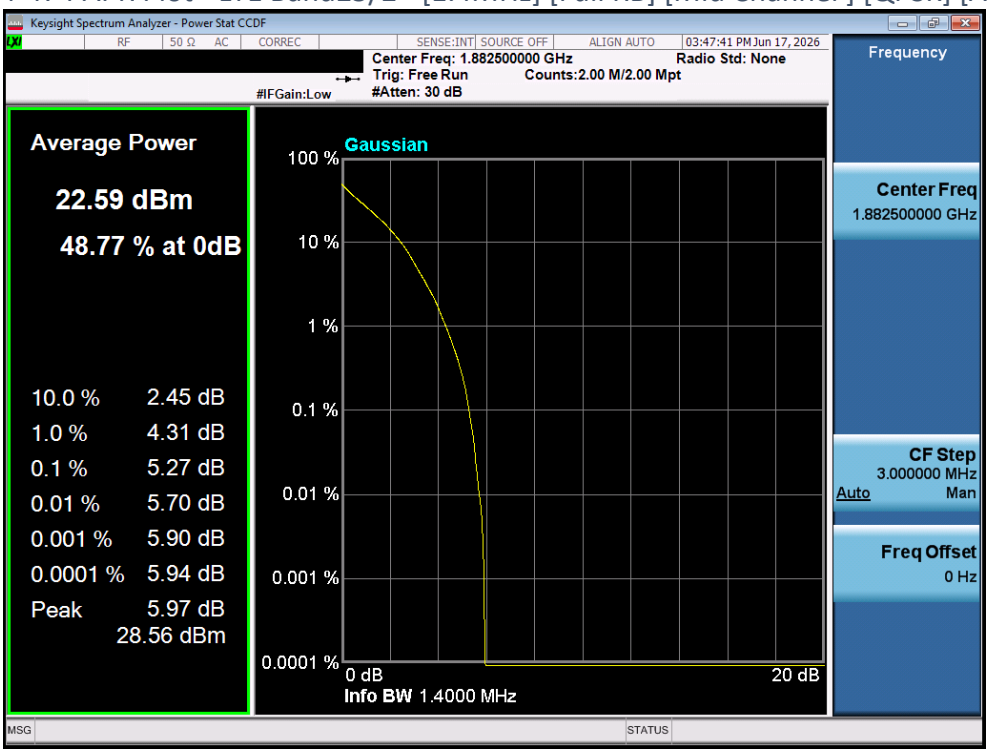
Plot 4-45 PAPR Plot - LTE Band25/2 - [3MHz] [Full RB] [Mid Channel] [QPSK] [Ant 2]



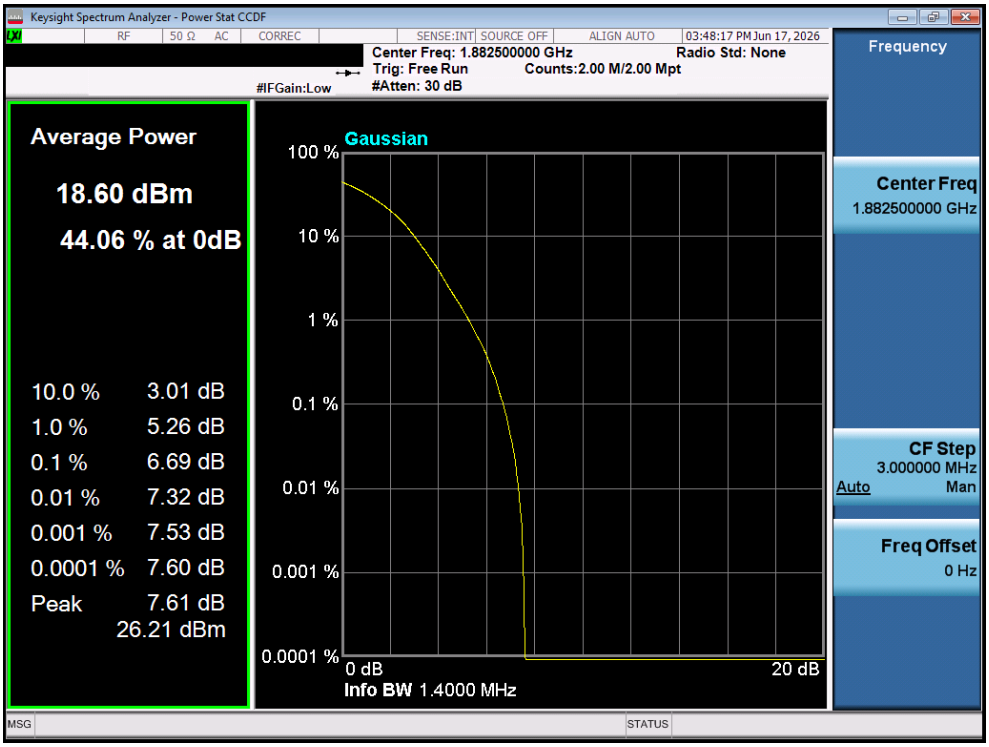
Plot 4-46 PAPR Plot - LTE Band25/2 - [3MHz] [Full RB] [Mid Channel] [256QAM] [Ant 2]



Plot 4-47 PAPR Plot - LTE Band25/2 - [1.4MHz] [Full RB] [Mid Channel] [QPSK] [Ant 2]



Plot 4-48 PAPR Plot - LTE Band25/2 - [1.4MHz] [Full RB] [Mid Channel] [256QAM] [Ant 2]



4.6. Band Edge Emissions

4.6.1. Regulatory Limit

§Part. 24.238

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB

RSS-133(5.6)

Equipment shall meet the unwanted emission limits, specified in table below, outside each frequency block group.

Offset frequency from the edge of the frequency block group (MHz)	Unwanted emission limit
≤ 1	-13 dBm / (1% of OBW)
> 1	-13 dBm/MHz

4.6.2. Test Method

ANSI C63.26-2015, clause 5.7.3

4.6.3. Test Procedure

The procedure for this method is follows:

a) Set the spectrum analyzer center frequency to the block, band, or channel edge frequency.
b) Set the span wide enough to capture the fundamental emission closest to the authorized block.
c) Set RBW = at least 1 % of the EBW
d) Set the VBW ≥ RBW.
e) Set Number of points Sweep ≥ 2x span/RBW
f) Detector = RMS
g) Trace Mode = Average
h) Sweep time = Auto (Coupled) or sufficient to investigate

Test Note

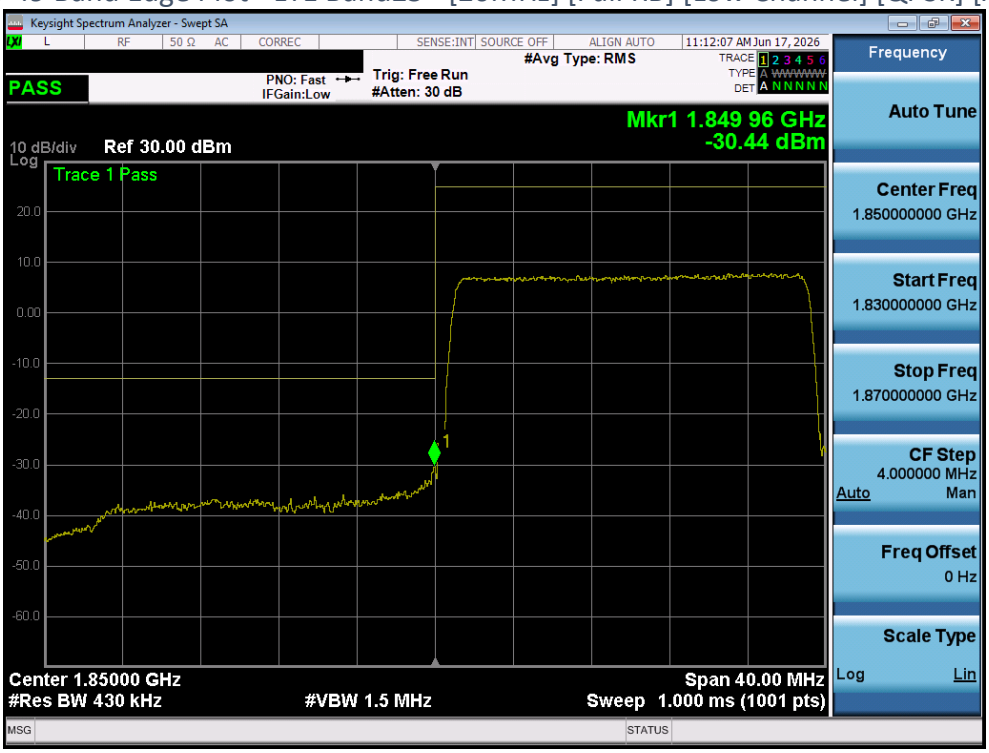
- ✓ Per §Part. 24.238, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (*i.e.* 1 MHz or 1 percent of emission bandwidth, as specified).
- ✓ Per RSS-133(5.6), in the 1 MHz bands immediately outside and adjacent to the frequency block group, the power shall be measured with a resolution bandwidth of at least 1% of the occupied bandwidth (OBW). Beyond these 1 MHz bands, a resolution bandwidth of 1 MHz shall be used. A narrower resolution bandwidth may be used, provided that the measured power is integrated over the full required measurement bandwidth of 1 MHz, or 1% of the OBW, as applicable.
- ✓ According to the test results in Section 4.4 of the report, 1% of EBW was applied as the EBW is wider than the OBW.
- ✓ For cases where the duty cycle was less than 98%, measurements were performed using a gated trigger.
- ✓ All modulation were evaluated, and only the worst-case results are reported herein.
- ✓ Although 1RB and Half RB allocations were evaluated along with the Full RB, only the worst-case results are reported herein.
- ✓ Only the high channel is reported for LTE Band 2 because the low channel band-edge compliance is covered by LTE Band 25. The LTE Band 25 low channel has been verified to comply with the band-edge requirements applicable to LTE Band 25/2 operation.

4.6.4. Test Results

Table 4-4 Band Edge Emissions Data Ant 1

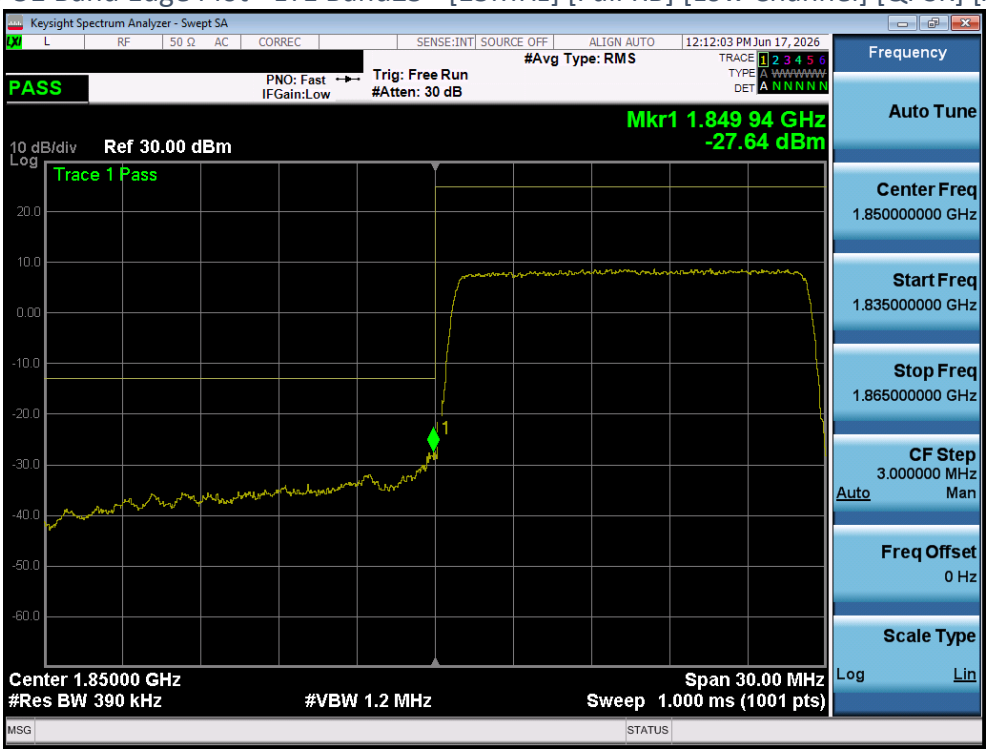
Band	Band Width [MHz]	Channel	Frequency [MHz]	Earfcn UL	RB Size/Offset	Modulation	Level [dBm]	Limit [dBm]	Margin [dB]
LTE Band 25	20	Low	1860.0	26140	100/0	QPSK	-30.44	-13	-17.44
		High	1905.0	26590	100/0	QPSK	-27.40	-13	-14.40
	15	Low	1857.5	26115	75/0	QPSK	-27.64	-13	-14.64
		High	1907.5	26615	75/0	QPSK	-24.03	-13	-11.03
	10	Low	1855.0	26090	50/0	QPSK	-25.14	-13	-12.14
		High	1910.0	26640	50/0	QPSK	-22.04	-13	-9.04
	5	Low	1852.5	26065	25/0	QPSK	-20.21	-13	-7.21
		High	1912.5	26665	25/0	QPSK	-21.27	-13	-8.27
	3	Low	1851.5	26055	15/0	QPSK	-21.01	-13	-8.01
		High	1913.5	26675	15/0	QPSK	-17.20	-13	-4.20
	1.4	Low	1850.7	26047	6/0	QPSK	-25.22	-13	-12.22
		High	1914.3	26683	6/0	QPSK	-22.26	-13	-9.26
LTE Band 2	20	High	1900.0	19100	100/0	QPSK	-28.16	-13	-15.16
	15	High	1902.5	19125	75/0	QPSK	-22.88	-13	-9.88
	10	High	1905.0	19150	50/0	QPSK	-22.55	-13	-9.55
	5	High	1907.5	19175	25/0	QPSK	-23.18	-13	-10.18
	3	High	1908.5	19185	15/0	QPSK	-18.63	-13	-5.63
	1.4	High	1909.3	19193	6/0	QPSK	-25.28	-13	-12.28

Plot 4-49 Band Edge Plot - LTE Band25 - [20MHz] [Full RB] [Low Channel] [QPSK] [Ant 1]



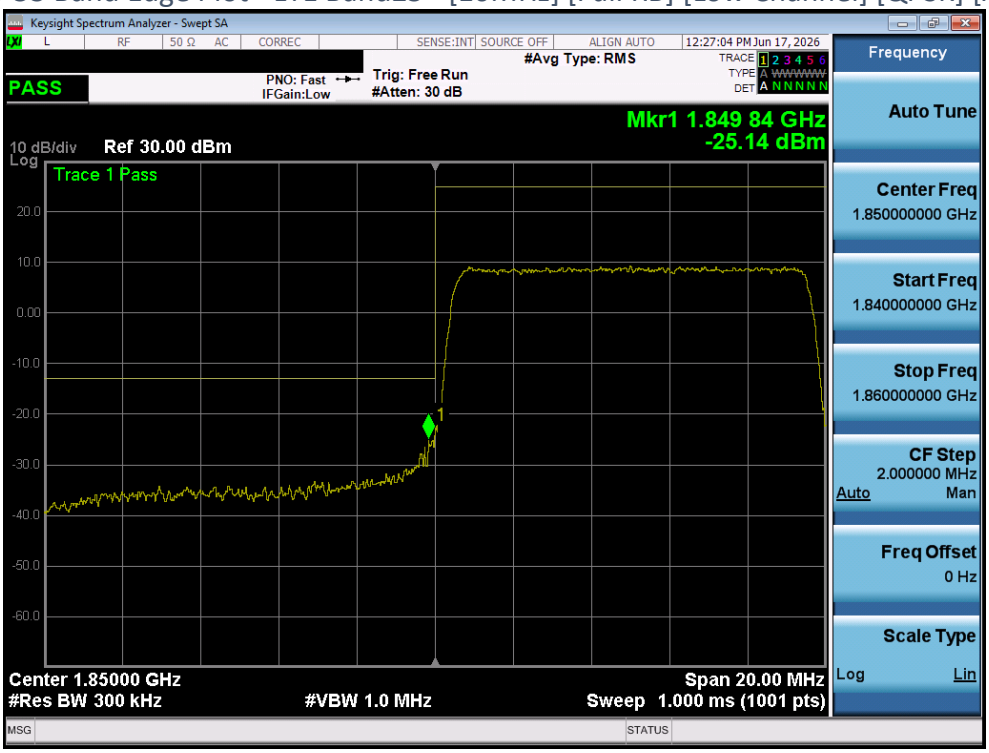
Plot 4-50 Band Edge Plot - LTE Band25 - [20MHz] [Full RB] [High Channel] [QPSK] [Ant 1]

Plot 4-51 Band Edge Plot - LTE Band25 - [15MHz] [Full RB] [Low Channel] [QPSK] [Ant 1]



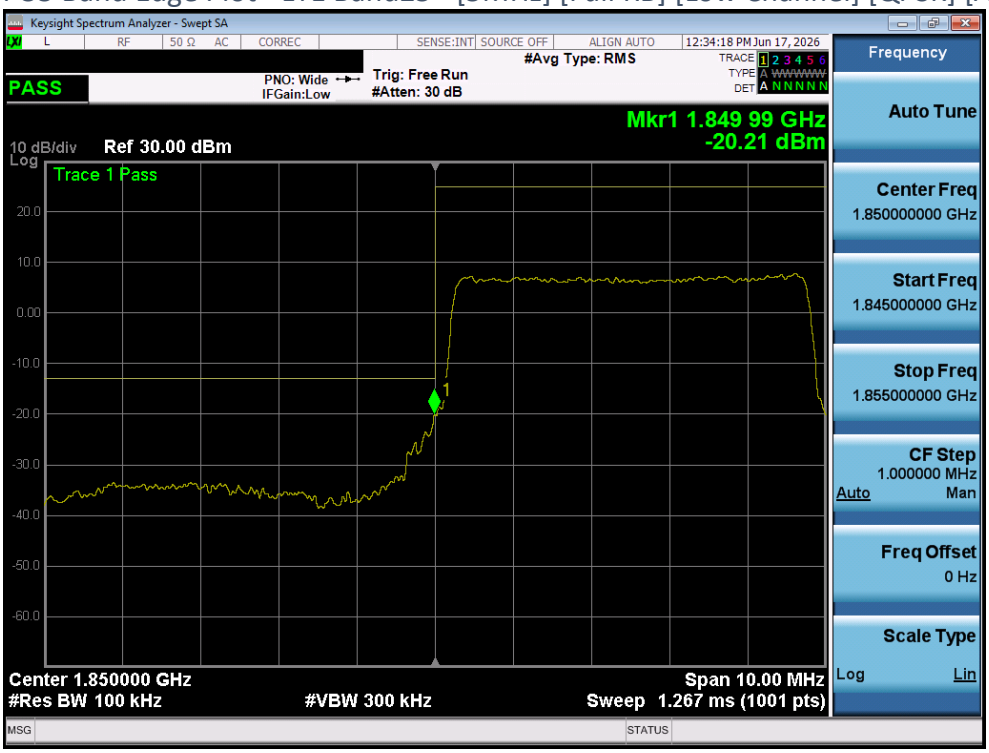
Plot 4-52 Band Edge Plot - LTE Band25 - [15MHz] [Full RB] [High Channel] [QPSK] [Ant 1]

Plot 4-53 Band Edge Plot - LTE Band25 - [10MHz] [Full RB] [Low Channel] [QPSK] [Ant 1]



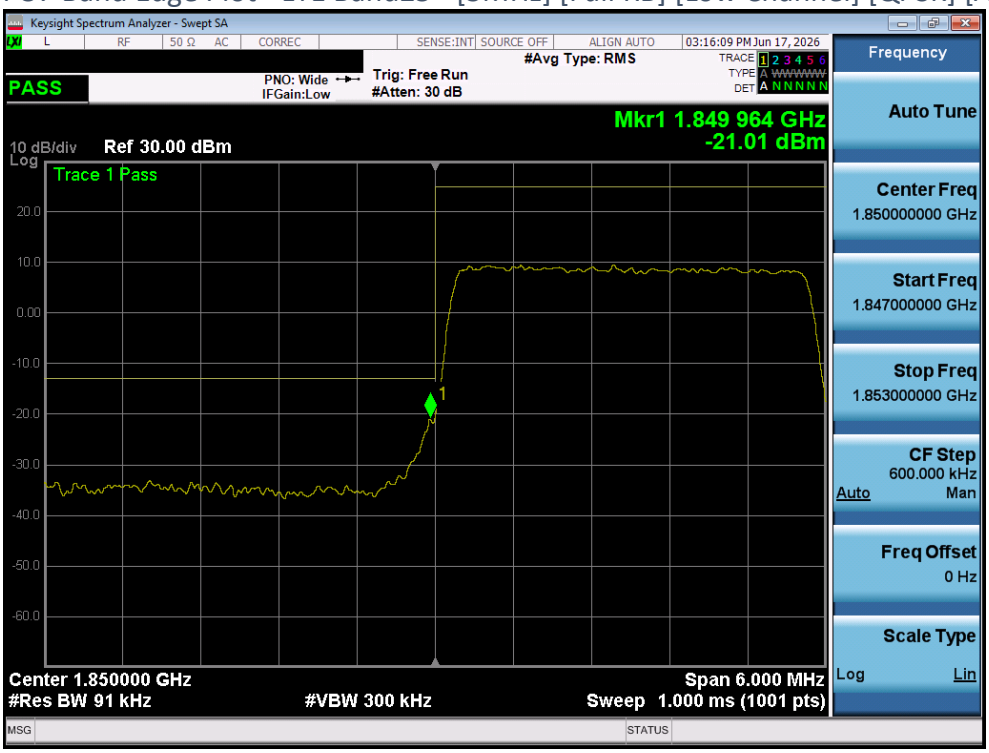
Plot 4-54 Band Edge Plot - LTE Band25 - [10MHz] [Full RB] [High Channel] [QPSK] [Ant 1]

Plot 4-55 Band Edge Plot - LTE Band25 - [5MHz] [Full RB] [Low Channel] [QPSK] [Ant 1]

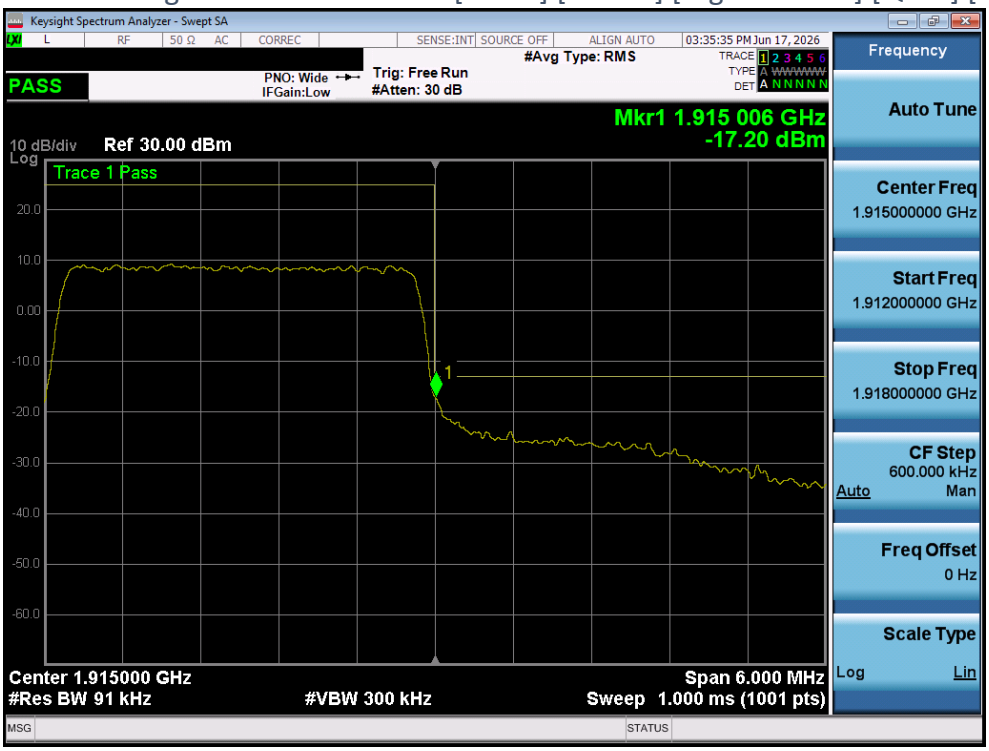


Plot 4-56 Band Edge Plot - LTE Band25 - [5MHz] [Full RB] [High Channel] [QPSK] [Ant 1]

Plot 4-57 Band Edge Plot - LTE Band25 - [3MHz] [Full RB] [Low Channel] [QPSK] [Ant 1]



Plot 4-58 Band Edge Plot - LTE Band25 - [3MHz] [Full RB] [High Channel] [QPSK] [Ant 1]



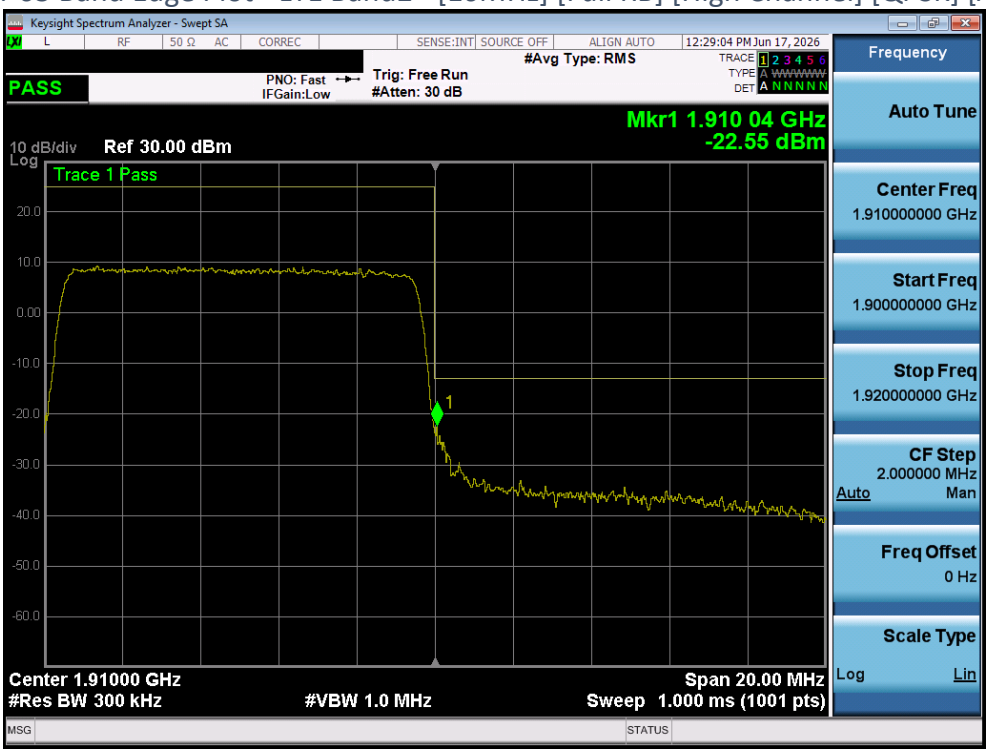
Plot 4-59 Band Edge Plot - LTE Band25 - [1.4MHz] [Full RB] [Low Channel] [QPSK] [Ant 1]

Plot 4-60 Band Edge Plot - LTE Band25 - [1.4MHz] [Full RB] [High Channel] [QPSK] [Ant 1]

Plot 4-61 Band Edge Plot - LTE Band2 - [20MHz] [Full RB] [High Channel] [QPSK] [Ant 1]

Plot 4-62 Band Edge Plot - LTE Band2 - [15MHz] [Full RB] [High Channel] [QPSK] [Ant 1]

Plot 4-63 Band Edge Plot - LTE Band2 - [10MHz] [Full RB] [High Channel] [QPSK] [Ant 1]



Plot 4-64 Band Edge Plot - LTE Band2 - [5MHz] [Full RB] [High Channel] [QPSK] [Ant 1]

Plot 4-65 Band Edge Plot - LTE Band2 - [3MHz] [Full RB] [High Channel] [QPSK] [Ant 1]

Plot 4-66 Band Edge Plot - LTE Band2 - [1.4MHz] [Full RB] [High Channel] [QPSK] [Ant 1]

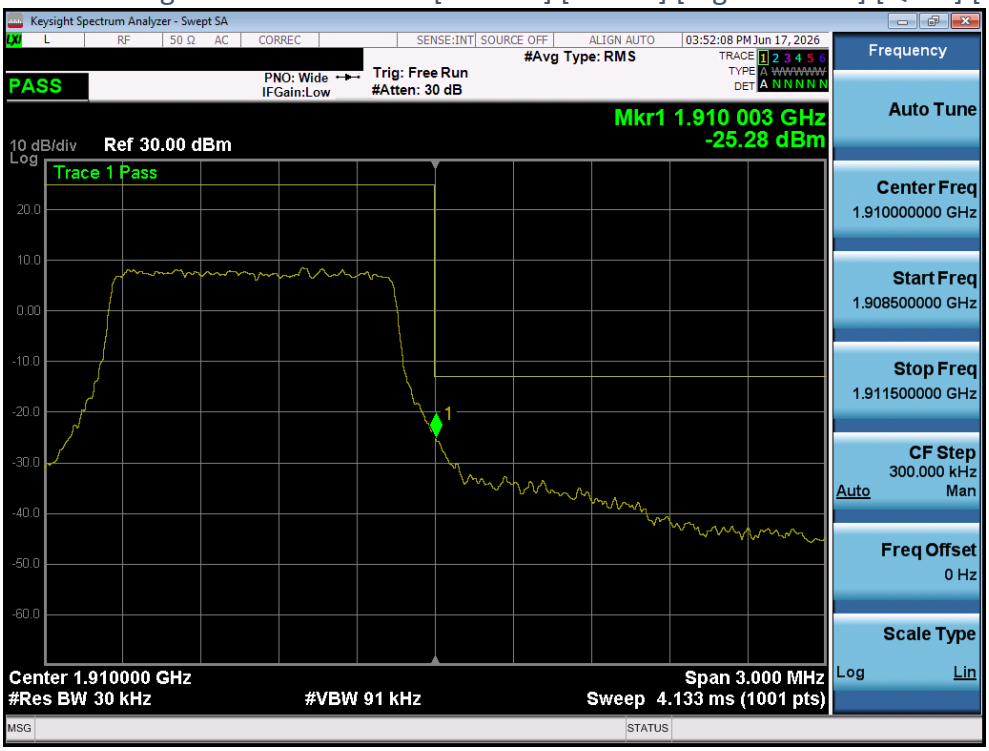


Table 4-5 Band Edge Emissions Data Ant 2

Band	Band Width [MHz]	Channel	Frequency [MHz]	Earfcn UL	RB Size/Offset	Modulation	Level [dBm]	Limit [dBm]	Margin [dB]
LTE Band 25	20	Low	1860.0	26140	100/0	QPSK	-25.36	-13	-12.36
		High	1905.0	26590	100/0	QPSK	-26.87	-13	-13.87
	15	Low	1857.5	26115	75/0	QPSK	-24.45	-13	-11.45
		High	1907.5	26615	75/0	QPSK	-26.23	-13	-13.23
	10	Low	1855.0	26090	50/0	QPSK	-20.47	-13	-7.47
		High	1910.0	26640	50/0	QPSK	-23.08	-13	-10.08
	5	Low	1852.5	26065	25/0	QPSK	-20.22	-13	-7.22
		High	1912.5	26665	25/0	QPSK	-21.06	-13	-8.06
	3	Low	1851.5	26055	15/0	QPSK	-17.65	-13	-4.65
		High	1913.5	26675	15/0	QPSK	-19.26	-13	-6.26
	1.4	Low	1850.7	26047	6/0	QPSK	-21.60	-13	-8.60
		High	1914.3	26683	6/0	QPSK	-24.04	-13	-11.04
LTE Band 2	20	High	1900.0	19100	100/0	QPSK	-26.43	-13	-13.43
	15	High	1902.5	19125	75/0	QPSK	-26.29	-13	-13.29
	10	High	1905.0	19150	50/0	QPSK	-21.00	-13	-8.00
	5	High	1907.5	19175	25/0	QPSK	-19.93	-13	-6.93
	3	High	1908.5	19185	15/0	QPSK	-16.50	-13	-3.50
	1.4	High	1909.3	19193	6/0	QPSK	-22.22	-13	-9.22

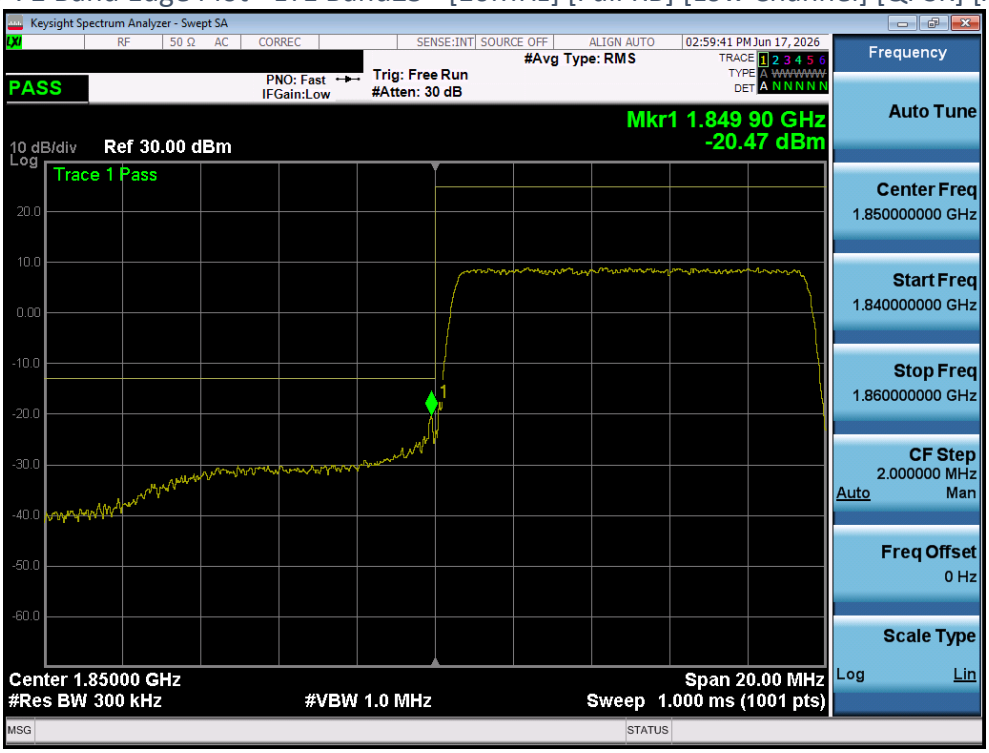
Plot 4-67 Band Edge Plot - LTE Band25 - [20MHz] [Full RB] [Low Channel] [QPSK] [Ant 2]

Plot 4-68 Band Edge Plot - LTE Band25 - [20MHz] [Full RB] [High Channel] [QPSK] [Ant 2]

Plot 4-69 Band Edge Plot - LTE Band25 - [15MHz] [Full RB] [Low Channel] [QPSK] [Ant 2]

Plot 4-70 Band Edge Plot - LTE Band25 - [15MHz] [Full RB] [High Channel] [QPSK] [Ant 2]

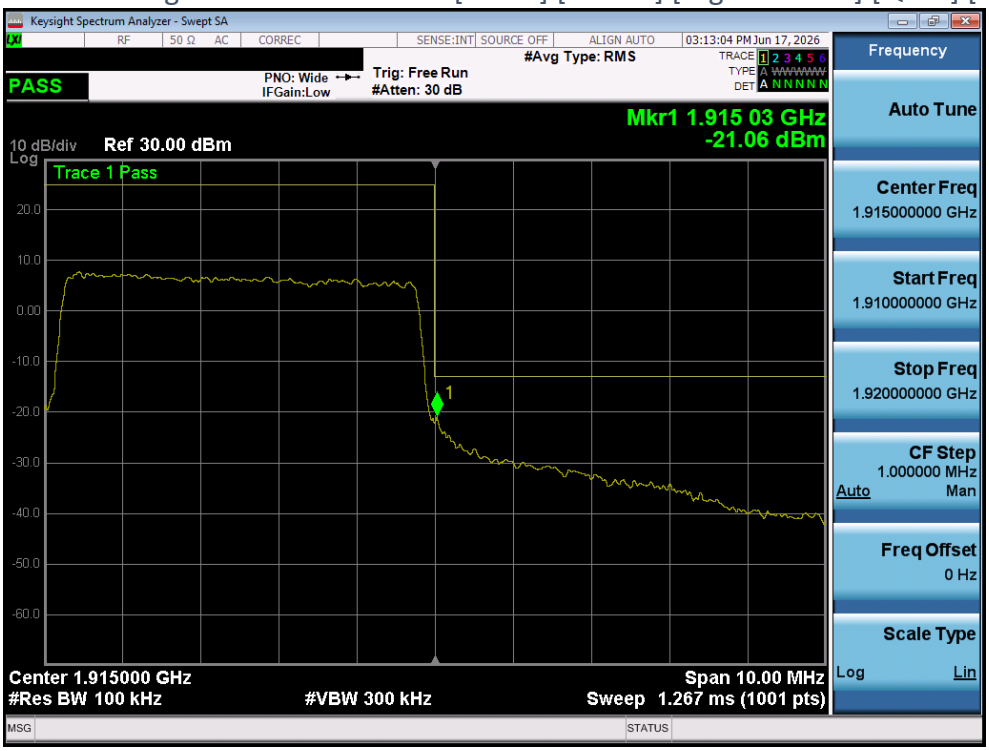
Plot 4-71 Band Edge Plot - LTE Band25 - [10MHz] [Full RB] [Low Channel] [QPSK] [Ant 2]



Plot 4-72 Band Edge Plot - LTE Band25 - [10MHz] [Full RB] [High Channel] [QPSK] [Ant 2]

Plot 4-73 Band Edge Plot - LTE Band25 - [5MHz] [Full RB] [Low Channel] [QPSK] [Ant 2]

Plot 4-74 Band Edge Plot - LTE Band25 - [5MHz] [Full RB] [High Channel] [QPSK] [Ant 2]



Plot 4-75 Band Edge Plot - LTE Band25 - [3MHz] [Full RB] [Low Channel] [QPSK] [Ant 2]

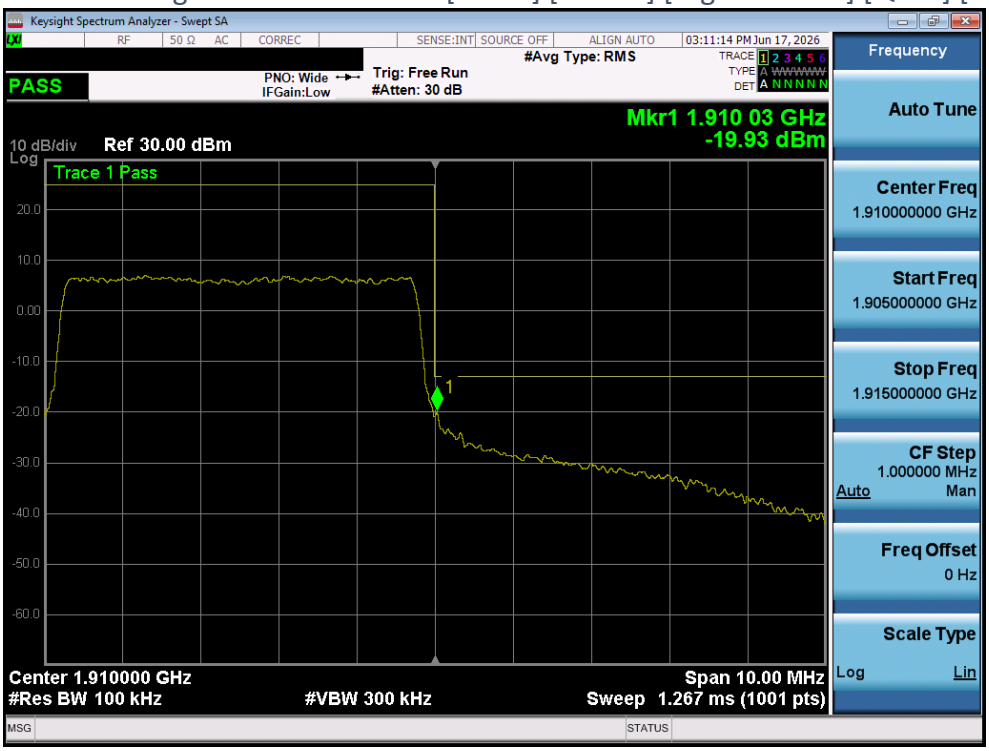
Plot 4-76 Band Edge Plot - LTE Band25 - [3MHz] [Full RB] [High Channel] [QPSK] [Ant 2]

Plot 4-77 Band Edge Plot - LTE Band25 - [1.4MHz] [Full RB] [Low Channel] [QPSK] [Ant 2]

Plot 4-78 Band Edge Plot - LTE Band25 - [1.4MHz] [Full RB] [High Channel] [QPSK] [Ant 2]

Plot 4-79 Band Edge Plot - LTE Band2 - [20MHz] [Full RB] [High Channel] [QPSK] [Ant 2]

Plot 4-80 Band Edge Plot - LTE Band2 - [15MHz] [Full RB] [High Channel] [QPSK] [Ant 2]

Plot 4-81 Band Edge Plot - LTE Band2 - [10MHz] [Full RB] [High Channel] [QPSK] [Ant 2]

Plot 4-82 Band Edge Plot - LTE Band2 - [5MHz] [Full RB] [High Channel] [QPSK] [Ant 2]