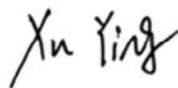


RF TEST REPORT

Applicant Kunshan Lantuo Intelligent Robot Co., Ltd
FCC ID 2BTDL-S1ULTRAS1PRO
Product Intelligent Lawn Mower
HVIN S1Pro; S1Ultra
PMN Intelligent Lawn Mower
Model S1 Pro; S1 Ultra
Report No. EFTA25090045-IE-02-R1V2
Issue Date March 10, 2026

Eurofins TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 2 / FCC CFR 47 Part 24E / FCC CFR47 Part 27C**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.



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Version	Revision Description	Issue Date
Rev.0	Initial issue of report.	February 6, 2026
Rev.1	Updated description.	March 9, 2026
Rev.2	Updated description.	March 10, 2026
Note: This revised report (Report No.: EFTA25090045-IE-02-R1V2) supersedes and replaces the previously issued report (Report No.: EFTA25090045-IE-02-R1V1). Please discard or destroy the previously issued report and dispose of it accordingly.		

Summary of Measurement Results

Test Case	Clause in FCC rules	Limits	Verdict
LTE Band 2			
RF Power Output and Effective Isotropic Radiated Power	2.1046 24.232(c)	≤ 2 W (33 dBm)	PASS
Occupied Bandwidth	2.1049	No specific requirements	PASS
Band Edge Compliance	2.1051 24.238(a)	≤ -13 dBm	PASS
Peak-to-Average Power Ratio	24.232 (d) KDB 971168 D01(5.7)	≤ 13 dB	PASS
Frequency Stability	2.1055 24.235	The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.	PASS
Spurious Emissions at Antenna Terminals	2.1051 24.238(a)	≤ -13 dBm	PASS
Radiated Spurious Emission	2.1053 24.238(a)	≤ -13 dBm	PASS
LTE Band 4			
RF Power Output and Effective Isotropic Radiated Power	2.1046 27.50(d)(4)	≤ 1 W (30 dBm)	PASS
Occupied Bandwidth	2.1049	No specific requirements	PASS
Band Edge Compliance	2.1051 27.53(h)	≤ -13 dBm	PASS
Peak-to-Average Power Ratio	27.50(d)(5) KDB971168 D01(5.7)	≤ 13 dB	PASS
Frequency Stability	2.1055 27.54	Shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.	PASS
Spurious Emissions at Antenna Terminals	2.1051 27.53(h)	≤ -13 dBm	PASS
Radiated Spurious Emission	2.1053 27.53(h)	≤ -13 dBm	PASS
Date of Testing: September 9, 2025 ~ October 27, 2025			
Date of Sample Received: September 3, 2025			
Note: PASS: The EUT complies with the essential requirements in the standard.			
FAIL: The EUT does not comply with the essential requirements in the standard.			
All indications of Pass/Fail in this report are opinions expressed by Eurofins TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.			

1 Test Laboratory

1.1 Notes of the Test Report

This report shall not be reproduced in full or partial, without the written approval of **Eurofins TA Technology (Shanghai) Co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2. Test facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

A2LA (Certificate Number: 3857.01)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform measurement.

1.3 Testing Location

Company:	Eurofins TA Technology (Shanghai) Co., Ltd.
Address:	Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China
City:	Shanghai
Post code:	201201
Country:	P. R. China
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Telephone:	+86-021-50791141/2/3
Fax:	+86-021-50791141/2/3-8000
Website:	https://www.eurofins.com/electrical-and-electronics
E-mail:	Kain.Xu@cpt.eurofinscn.com

2 General Description of Equipment under Test

2.1 Applicant and Manufacturer Information

Applicant	Kunshan Lantuo Intelligent Robot Co., Ltd
Applicant address	2F, Room 2, No.179, Waihejing Road, Kunshan Development Zone Comprehensive Bond, Kunshan, Jiangsu, China
Manufacturer	Kunshan Lantuo Intelligent Robot Co., Ltd
Manufacturer address	2F, Room 2, No.179, Waihejing Road, Kunshan Development Zone Comprehensive Bond, Kunshan, Jiangsu, China

2.2 General information

EUT Description				
Model	S1 Pro; S1 Ultra			
IMEI	Conducted	862044071953678		
Lab internal SN	Radiated	250903-19-001		
Hardware Version	BMHW-S23001			
Software Version	BMSW-CR-S23001			
Power Supply	Battery			
Antenna Type	Internal Antenna			
Rated Power Supply Voltage	21.6V			
Operating Voltage	Minimum: 16.8V Maximum: 25.2V			
Operating Temperature	Lowest: 0°C Highest: +45°C			
Testing Temperature	Lowest: -30°C Highest: +50°C			
Operating Frequency Range(s)	Mode	Tx (MHz)	Rx (MHz)	Gain (dBi)
	LTE Band 2	1850 ~ 1910	1930 ~ 1990	3.20
	LTE Band 4	1710 ~ 1755	2110 ~ 2155	3.44
Test Modulation	(LTE) QPSK, 16QAM;			
LTE Category	4			
Power Class	3			
Maximum E.I.R.P./ E.R.P.	LTE Band 2	26.51 dBm		
	LTE Band 4	26.77 dBm		
Note:				
1. The EUT is sent from the applicant to Eurofins TA and the information of the EUT is declared by the applicant.				
2. According to the client's declaration, all models are the power supply, electrical principle, PCB layout and electrical structure used in Model S1 Pro and model S1 Ultra are the same, but the battery pack capacity is different. So model S1 Ultra was chosen to perform all the tests, other model S1 Pro is deemed to fulfill all the requirement without further testing.				

3 Applied Standards

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

Test standards:

FCC CFR 47 Part 24E (2025)

FCC CFR 47 Part 27C (2025)

Reference standard:

FCC CFR 47 Part 2 (2025)

ANSI C63.26-2015

KDB 971168 D01 Power Meas License Digital Systems v03r01

4 Test Configuration

All mode and data rates and positions and RB size and modulations were investigated.

Subsequently, only the worst case emissions are reported.

The following testing in LTE is set based on the maximum RF Output Power.

The following testing in different Bandwidth is set to detail in the following table:

Test modes are chosen to be reported as the worst case configuration below for LTE Band:

Test items	Modes	Bandwidth (MHz)						Modulation		RB			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	50%	100%	L	M	H
RF Power Output and Effective Isotropic Radiated Power	LTE 2	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	LTE 4	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Occupied Bandwidth	LTE 2	O	O	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 4	O	O	O	O	O	O	O	O	-	-	O	O	O	O
Band Edge Compliance	LTE 2	O	O	O	O	O	O	O	O	O	-	O	O	-	O
	LTE 4	O	O	O	O	O	O	O	O	O	-	O	O	-	O
Peak-to-Average Power Ratio	LTE 2	O	O	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 4	O	O	O	O	O	O	O	O	-	-	O	O	O	O
Frequency Stability	LTE 2	O	O	O	O	O	O	O	-	-	-	O	O	-	O
	LTE 4	O	O	O	O	O	O	O	-	-	-	O	O	-	O
Spurious Emissions at Antenna Terminals	LTE 2	O	O	O	O	O	O	O	-	O	-	-	O	O	O
	LTE 4	O	O	O	O	O	O	O	-	O	-	-	O	O	O
Radiated Spurious Emission	LTE 2	O	-	O	-	-	O	O	-	O	-	-	-	O	-
	LTE 4	O	-	O	-	-	O	O	-	O	-	-	-	O	-
Note	1. The mark "O" means that this configuration is chosen for testing. 2. The mark "-" means that this configuration is not testing.														

5 Test Case

5.1 RF Power Output and Effective Isotropic Radiated Power

Ambient condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

Methods of Measurement

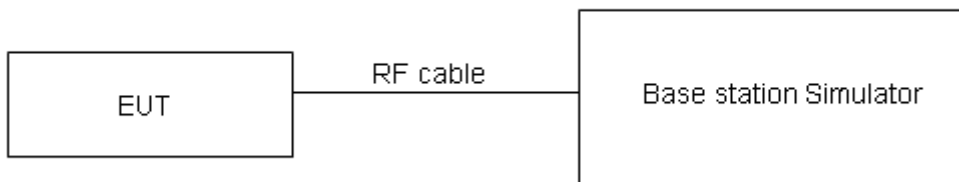
During the process of the testing, The EUT was connected to the Base Station Simulator with a known loss. The EUT is controlled by the Base Station Simulator test set to ensure max power transmission with proper modulation.

ERP can then be calculated as follows:

$EIRP \text{ (dBm)} = \text{Output Power (dBm)} + \text{Antenna Gain (dBi)}$

$EIRP \text{ (dBm)} = ERP \text{ (dBm)} + 2.15 \text{ (dB.)}$

Test Setup



Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U=0.4 \text{ dB}$ for RF power output, $k = 2$, $U= 1.19 \text{ dB}$ for ERP/EIRP.

Test Results

Refer to the section 6.1 of this report for test data.

5.2 Occupied Bandwidth

Ambient condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

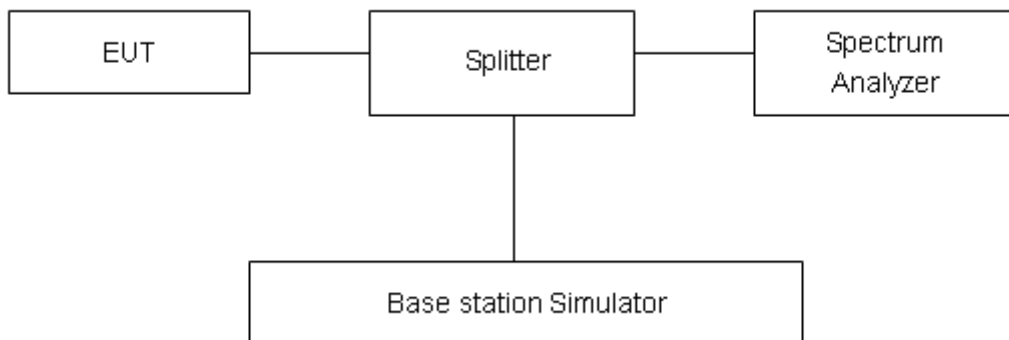
Method of Measurement

The EUT was connected to Spectrum Analyzer and Base Station Simulator via power Splitter. The occupied bandwidth is measured using spectrum analyzer.

RBW is set to $\geq 1\%$ EBW, VBW is set to 3x RBW.

99% power and -26dBc occupied bandwidths are recorded. Spectrum analyzer plots are included on the following pages.

Test Setup



Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U=624\text{Hz}$.

Test Results

Refer to the section 6.2 of this report for test data.

5.3 Band Edge Compliance

Ambient condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

Method of Measurement

The EUT was connected to Spectrum Analyzer and Base Station Simulator via power Splitter. The band edge of the lowest and highest channels were measured.

The testing follows KDB 971168 D01 v03r01 Section 6.0

The EUT was connected to spectrum analyzer and system simulator via a power divider.

The band edges of low and high channels for the highest RF powers were measured.

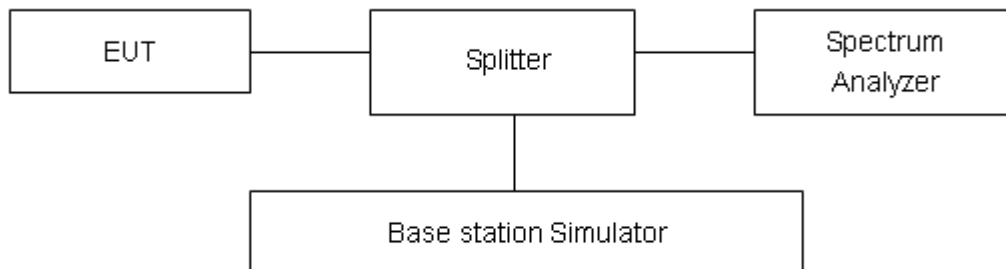
RBW is set to $\geq 1\%EBW$, VBW is set to 3x RBW on spectrum analyzer.

Set spectrum analyzer with RMS detector.

The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

Checked that all the results comply with the emission limit line.

Test Setup



Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$, $U=0.684\text{dB}$.

Test Results

Refer to the section 6.3 of this report for test data.

5.4 Peak-to-Average Power Ratio (PAPR)

Ambient condition

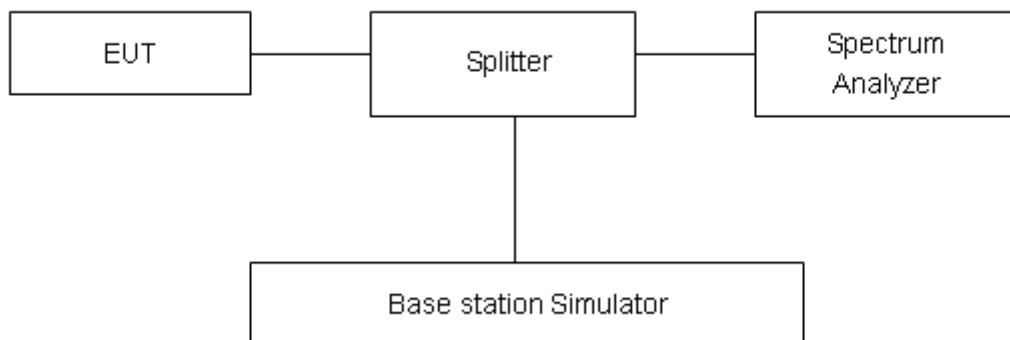
Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

Methods of Measurement

Measure the total peak power and record as PPK. And measure the total average power and record as PAvg. Both the peak and average power levels must be expressed in the same logarithmic units (e.g., dBm). Determine the PAPR from:

$$\text{PAPR (dB)} = \text{PPk (dBm)} - \text{PAvg (dBm)}.$$

Test Setup



Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 0.4$ dB.

Test Results

Refer to the section 6.4 of this report for test data.

5.5 Frequency Stability

Ambient condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

Method of Measurement

Frequency Stability (Temperature Variation)

The temperature inside the climate chamber is varied from -30°C to +50°C in 10°C step size.

(1) With all power removed, the temperature was decreased to -10°C and permitted to stabilize for three hours.

(2) Measure the carrier frequency with the test equipment in a “call mode”. These measurements should be made within 1 minute of powering up the mobile station, to prevent significant self warming.

(3) Repeat the above measurements at 10°C increments from -30°C to +50°C. Allow at least 1.5 hours at each temperature, un-powered, before making measurements.

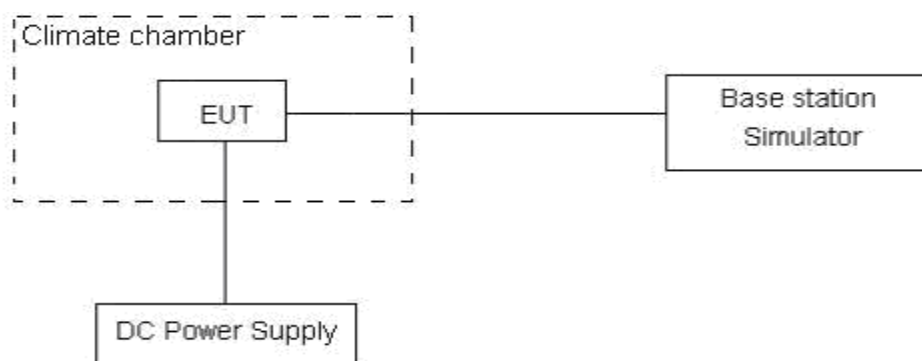
Frequency Stability (Voltage Variation)

The frequency stability shall be measured with variation of primary supply voltage as follows:

Primary Supply Voltage: The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

This transceiver is specified to operate with an input voltage of between 16.8V and 25.2V, with a nominal voltage of 21.6V.

Test setup



Measurement Uncertainty

The assessed measurement uncertainty to ensure 99.75% confidence level for the normal distribution is with the coverage factor $k = 3$, $U = 0.01\text{ppm}$.

Test Results

Refer to the section 6.5 of this report for test data.

5.6 Spurious Emissions at Antenna Terminals

Ambient condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

Method of Measurement

The EUT was connected to Spectrum Analyzer and Base Station Simulator via power Splitter. The measurement is carried out using a spectrum analyzer. The spectrum analyzer scans from 9kHz to the 10th harmonic of the carrier. The peak detector is used.

RBW is set to 1 kHz (0.009MHz~ 0.15 MHz),

RBW is set to 10 kHz (0.15 MHz~ 30 MHz)

RBW is set to 1000 kHz (30MHz~1000 MHz)

RBW is set to 1000 kHz (above 1000MHz)

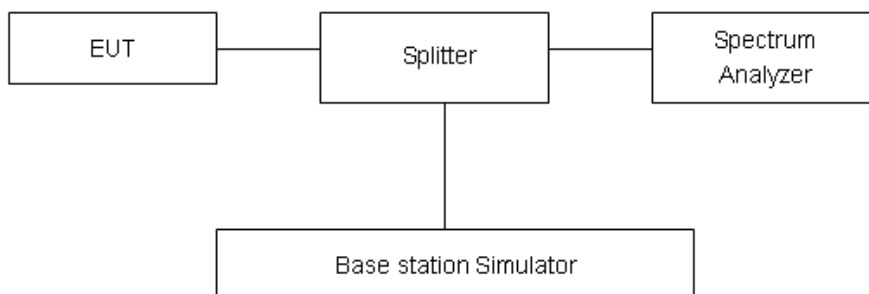
For Band 2, the RBW is set to 100KHz below 1G, and the factor is 10dB for 1MHz.

Sweep is set to AUTO.

Of those disturbances below (limit – 20 dB), the mark is not required for the EUT.

The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test setup



Measurement Uncertainty

The assessed measurement uncertainty to ensure 99.75% confidence level for the normal distribution is with the coverage factor $k = 1.96$.

Frequency	Uncertainty
9kHz-1GHz	0.684 dB
above 1GHz	1.407 dB

Test Results

Refer to the section 6.6 of this report for test data.

5.7 Radiated Spurious Emission

Ambient condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

Method of Measurement

1. The testing follows FCC KDB 971168 D01 v03r01 Section 5.8 and ANSI C63.26-2015.
2. Below 1GHz: The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H). Above 1GHz: (Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.) The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).
3. A loop antenna, A log-periodic antenna or horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
4. The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=100kHz, VBW=300kHz for 30MHz to 1GHz and RBW=1MHz, VBW=3MHz for above 1GHz, and the maximum value of the receiver should be recorded as (Pr).
5. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (Pmea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (Pmea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
6. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (Pcl) ,the Substitution Antenna Gain (Ga) and the Amplifier Gain (Pag) should be recorded after test.
7. The measurement results are obtained as described below:

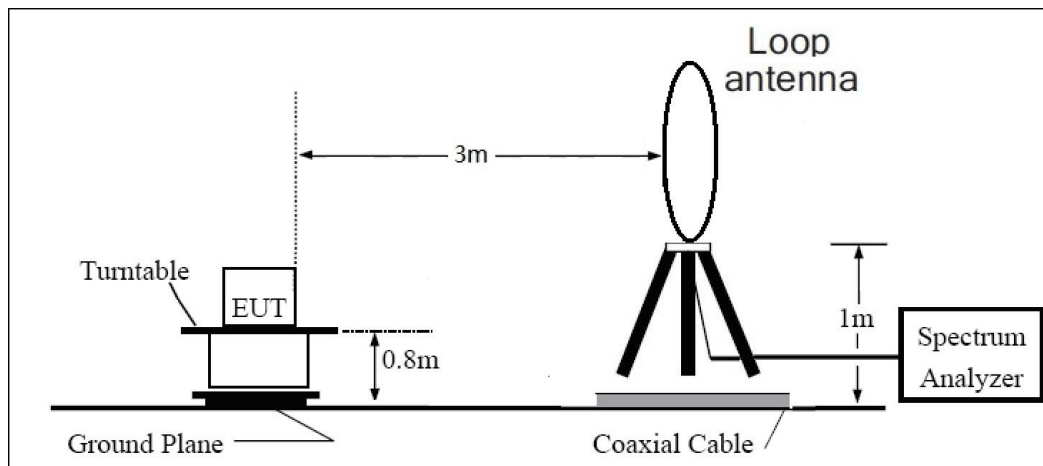
$$\text{Power(EIRP)} = P_{\text{mea}} - P_{\text{ag}} - P_{\text{cl}} + G_{\text{a}}$$
The measurement results are amend as described below:

$$\text{Power(EIRP)} = P_{\text{mea}} - P_{\text{cl}} + G_{\text{a}}$$
8. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dB) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, $\text{ERP} = \text{EIRP} - 2.15\text{dB}$.

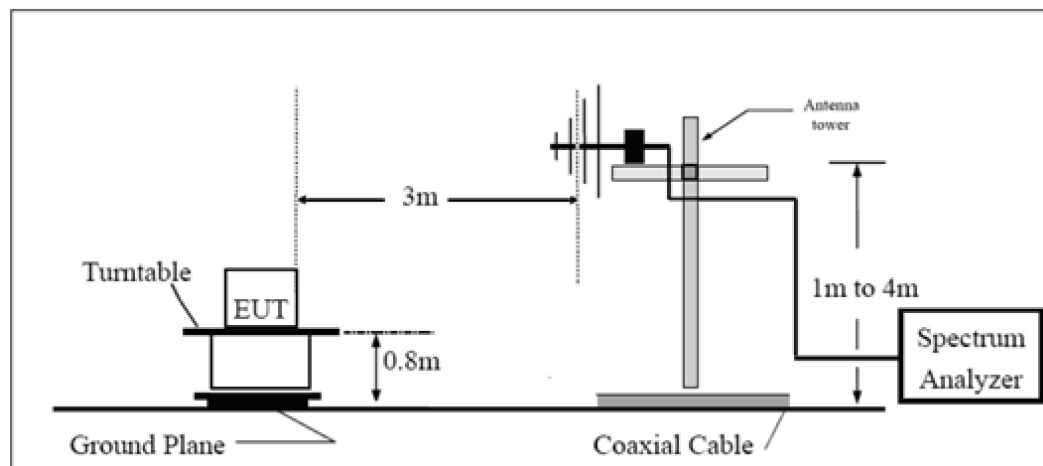
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test setup

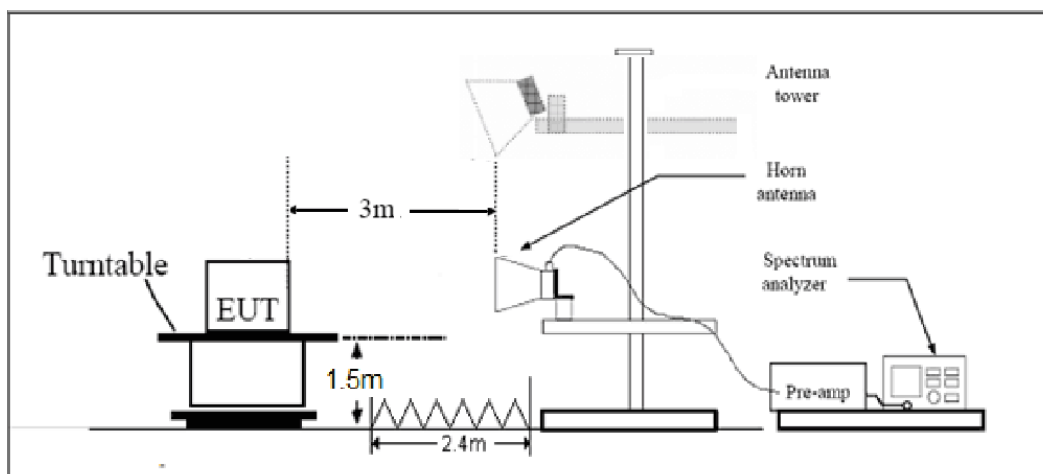
9KHz~ 30MHz



30MHz~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = \pm 1.96$, $U = \pm 3.55$ dB.

Test Results

Refer to the section 6.7 of this report for test data.

6 Test Results

6.1 RF Power Output and Effective (Isotropic) Radiated Power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP
LTE Band2	1.4	18607	1	#0	QPSK	23.18	26.38
LTE Band2	1.4	18607	1	#Mid	QPSK	23.23	26.43
LTE Band2	1.4	18607	1	#Max	QPSK	23.08	26.28
LTE Band2	1.4	18607	3	#0	QPSK	23.05	26.25
LTE Band2	1.4	18607	3	#Mid	QPSK	23.05	26.25
LTE Band2	1.4	18607	3	#Max	QPSK	23.09	26.29
LTE Band2	1.4	18607	6	#0	QPSK	22.02	25.22
LTE Band2	1.4	18607	1	#0	QAM16	22.11	25.31
LTE Band2	1.4	18607	1	#Mid	QAM16	22.45	25.65
LTE Band2	1.4	18607	1	#Max	QAM16	22.22	25.42
LTE Band2	1.4	18607	3	#0	QAM16	22.58	25.78
LTE Band2	1.4	18607	3	#Mid	QAM16	22.58	25.78
LTE Band2	1.4	18607	3	#Max	QAM16	22.53	25.73
LTE Band2	1.4	18607	6	#0	QAM16	20.99	24.19
LTE Band2	1.4	18900	1	#0	QPSK	23.08	26.28
LTE Band2	1.4	18900	1	#Mid	QPSK	23.12	26.32
LTE Band2	1.4	18900	1	#Max	QPSK	22.93	26.13
LTE Band2	1.4	18900	3	#0	QPSK	23.07	26.27
LTE Band2	1.4	18900	3	#Mid	QPSK	23.07	26.27
LTE Band2	1.4	18900	3	#Max	QPSK	23.02	26.22
LTE Band2	1.4	18900	6	#0	QPSK	22.12	25.32
LTE Band2	1.4	18900	1	#0	QAM16	22.40	25.60
LTE Band2	1.4	18900	1	#Mid	QAM16	22.55	25.75
LTE Band2	1.4	18900	1	#Max	QAM16	22.36	25.56
LTE Band2	1.4	18900	3	#0	QAM16	22.17	25.37
LTE Band2	1.4	18900	3	#Mid	QAM16	22.16	25.36
LTE Band2	1.4	18900	3	#Max	QAM16	22.23	25.43
LTE Band2	1.4	18900	6	#0	QAM16	21.18	24.38
LTE Band2	1.4	19193	1	#0	QPSK	23.10	26.30
LTE Band2	1.4	19193	1	#Mid	QPSK	23.09	26.29
LTE Band2	1.4	19193	1	#Max	QPSK	23.03	26.23
LTE Band2	1.4	19193	3	#0	QPSK	23.10	26.30
LTE Band2	1.4	19193	3	#Mid	QPSK	23.11	26.31
LTE Band2	1.4	19193	3	#Max	QPSK	22.95	26.15
LTE Band2	1.4	19193	6	#0	QPSK	22.29	25.49

LTE Band2	1.4	19193	1	#0	QAM16	21.89	25.09
LTE Band2	1.4	19193	1	#Mid	QAM16	21.89	25.09
LTE Band2	1.4	19193	1	#Max	QAM16	21.79	24.99
LTE Band2	1.4	19193	3	#0	QAM16	22.24	25.44
LTE Band2	1.4	19193	3	#Mid	QAM16	22.23	25.43
LTE Band2	1.4	19193	3	#Max	QAM16	22.19	25.39
LTE Band2	1.4	19193	6	#0	QAM16	21.32	24.52
LTE Band2	3	18615	1	#0	QPSK	22.83	26.03
LTE Band2	3	18615	1	#Mid	QPSK	22.93	26.13
LTE Band2	3	18615	1	#Max	QPSK	22.87	26.07
LTE Band2	3	18615	8	#0	QPSK	21.98	25.18
LTE Band2	3	18615	8	#Mid	QPSK	21.98	25.18
LTE Band2	3	18615	8	#Max	QPSK	22.03	25.23
LTE Band2	3	18615	15	#0	QPSK	22.05	25.25
LTE Band2	3	18615	1	#0	QAM16	21.97	25.17
LTE Band2	3	18615	1	#Mid	QAM16	21.81	25.01
LTE Band2	3	18615	1	#Max	QAM16	21.82	25.02
LTE Band2	3	18615	8	#0	QAM16	20.65	23.85
LTE Band2	3	18615	8	#Mid	QAM16	20.96	24.16
LTE Band2	3	18615	8	#Max	QAM16	21.02	24.22
LTE Band2	3	18615	15	#0	QAM16	20.78	23.98
LTE Band2	3	18900	1	#0	QPSK	23.04	26.24
LTE Band2	3	18900	1	#Mid	QPSK	22.98	26.18
LTE Band2	3	18900	1	#Max	QPSK	22.88	26.08
LTE Band2	3	18900	8	#0	QPSK	22.16	25.36
LTE Band2	3	18900	8	#Mid	QPSK	22.16	25.36
LTE Band2	3	18900	8	#Max	QPSK	22.07	25.27
LTE Band2	3	18900	15	#0	QPSK	22.10	25.30
LTE Band2	3	18900	1	#0	QAM16	22.60	25.80
LTE Band2	3	18900	1	#Mid	QAM16	22.54	25.74
LTE Band2	3	18900	1	#Max	QAM16	22.71	25.91
LTE Band2	3	18900	8	#0	QAM16	21.43	24.63
LTE Band2	3	18900	8	#Mid	QAM16	21.43	24.63
LTE Band2	3	18900	8	#Max	QAM16	21.34	24.54
LTE Band2	3	18900	15	#0	QAM16	20.88	24.08
LTE Band2	3	19185	1	#0	QPSK	23.26	26.46
LTE Band2	3	19185	1	#Mid	QPSK	23.02	26.22
LTE Band2	3	19185	1	#Max	QPSK	23.07	26.27
LTE Band2	3	19185	8	#0	QPSK	22.29	25.49
LTE Band2	3	19185	8	#Mid	QPSK	22.31	25.51
LTE Band2	3	19185	8	#Max	QPSK	22.14	25.34
LTE Band2	3	19185	15	#0	QPSK	22.26	25.46
LTE Band2	3	19185	1	#0	QAM16	22.35	25.55

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LTE Band2	3	19185	1	#Mid	QAM16	22.17	25.37
LTE Band2	3	19185	1	#Max	QAM16	22.19	25.39
LTE Band2	3	19185	8	#0	QAM16	21.23	24.43
LTE Band2	3	19185	8	#Mid	QAM16	21.20	24.40
LTE Band2	3	19185	8	#Max	QAM16	20.95	24.15
LTE Band2	3	19185	15	#0	QAM16	21.19	24.39
LTE Band2	5	18625	1	#0	QPSK	22.78	25.98
LTE Band2	5	18625	1	#Mid	QPSK	22.82	26.02
LTE Band2	5	18625	1	#Max	QPSK	22.94	26.14
LTE Band2	5	18625	12	#0	QPSK	22.00	25.20
LTE Band2	5	18625	12	#Mid	QPSK	22.00	25.20
LTE Band2	5	18625	12	#Max	QPSK	22.14	25.34
LTE Band2	5	18625	25	#0	QPSK	22.12	25.32
LTE Band2	5	18625	1	#0	QAM16	21.79	24.99
LTE Band2	5	18625	1	#Mid	QAM16	21.59	24.79
LTE Band2	5	18625	1	#Max	QAM16	22.05	25.25
LTE Band2	5	18625	12	#0	QAM16	20.80	24.00
LTE Band2	5	18625	12	#Mid	QAM16	20.80	24.00
LTE Band2	5	18625	12	#Max	QAM16	20.96	24.16
LTE Band2	5	18625	25	#0	QAM16	20.94	24.14
LTE Band2	5	18900	1	#0	QPSK	22.99	26.19
LTE Band2	5	18900	1	#Mid	QPSK	22.83	26.03
LTE Band2	5	18900	1	#Max	QPSK	22.93	26.13
LTE Band2	5	18900	12	#0	QPSK	22.24	25.44
LTE Band2	5	18900	12	#Mid	QPSK	22.14	25.34
LTE Band2	5	18900	12	#Max	QPSK	22.15	25.35
LTE Band2	5	18900	25	#0	QPSK	22.13	25.33
LTE Band2	5	18900	1	#0	QAM16	22.21	25.41
LTE Band2	5	18900	1	#Mid	QAM16	22.15	25.35
LTE Band2	5	18900	1	#Max	QAM16	22.18	25.38
LTE Band2	5	18900	12	#0	QAM16	20.99	24.19
LTE Band2	5	18900	12	#Mid	QAM16	20.99	24.19
LTE Band2	5	18900	12	#Max	QAM16	20.70	23.90
LTE Band2	5	18900	25	#0	QAM16	20.88	24.08
LTE Band2	5	19175	1	#0	QPSK	23.03	26.23
LTE Band2	5	19175	1	#Mid	QPSK	23.00	26.20
LTE Band2	5	19175	1	#Max	QPSK	22.98	26.18
LTE Band2	5	19175	12	#0	QPSK	22.28	25.48
LTE Band2	5	19175	12	#Mid	QPSK	22.21	25.41
LTE Band2	5	19175	12	#Max	QPSK	22.15	25.35
LTE Band2	5	19175	25	#0	QPSK	22.26	25.46
LTE Band2	5	19175	1	#0	QAM16	22.20	25.40
LTE Band2	5	19175	1	#Mid	QAM16	22.22	25.42

LTE Band2	5	19175	1	#Max	QAM16	22.24	25.44
LTE Band2	5	19175	12	#0	QAM16	21.27	24.47
LTE Band2	5	19175	12	#Mid	QAM16	21.28	24.48
LTE Band2	5	19175	12	#Max	QAM16	21.12	24.32
LTE Band2	5	19175	25	#0	QAM16	21.23	24.43
LTE Band2	10	18650	1	#0	QPSK	22.90	26.10
LTE Band2	10	18650	1	#Mid	QPSK	23.16	26.36
LTE Band2	10	18650	1	#Max	QPSK	23.23	26.43
LTE Band2	10	18650	25	#0	QPSK	22.13	25.33
LTE Band2	10	18650	25	#Mid	QPSK	22.12	25.32
LTE Band2	10	18650	25	#Max	QPSK	22.16	25.36
LTE Band2	10	18650	50	#0	QPSK	22.10	25.30
LTE Band2	10	18650	1	#0	QAM16	22.13	25.33
LTE Band2	10	18650	1	#Mid	QAM16	22.78	25.98
LTE Band2	10	18650	1	#Max	QAM16	22.09	25.29
LTE Band2	10	18650	25	#0	QAM16	21.03	24.23
LTE Band2	10	18650	25	#Mid	QAM16	21.02	24.22
LTE Band2	10	18650	25	#Max	QAM16	21.09	24.29
LTE Band2	10	18650	50	#0	QAM16	20.85	24.05
LTE Band2	10	18900	1	#0	QPSK	23.09	26.29
LTE Band2	10	18900	1	#Mid	QPSK	23.13	26.33
LTE Band2	10	18900	1	#Max	QPSK	23.09	26.29
LTE Band2	10	18900	25	#0	QPSK	22.26	25.46
LTE Band2	10	18900	25	#Mid	QPSK	22.18	25.38
LTE Band2	10	18900	25	#Max	QPSK	22.13	25.33
LTE Band2	10	18900	50	#0	QPSK	22.22	25.42
LTE Band2	10	18900	1	#0	QAM16	22.64	25.84
LTE Band2	10	18900	1	#Mid	QAM16	22.94	26.14
LTE Band2	10	18900	1	#Max	QAM16	22.73	25.93
LTE Band2	10	18900	25	#0	QAM16	21.31	24.51
LTE Band2	10	18900	25	#Mid	QAM16	21.27	24.47
LTE Band2	10	18900	25	#Max	QAM16	21.22	24.42
LTE Band2	10	18900	50	#0	QAM16	21.11	24.31
LTE Band2	10	19150	1	#0	QPSK	22.94	26.14
LTE Band2	10	19150	1	#Mid	QPSK	23.10	26.30
LTE Band2	10	19150	1	#Max	QPSK	22.95	26.15
LTE Band2	10	19150	25	#0	QPSK	22.14	25.34
LTE Band2	10	19150	25	#Mid	QPSK	22.14	25.34
LTE Band2	10	19150	25	#Max	QPSK	22.10	25.30
LTE Band2	10	19150	50	#0	QPSK	22.25	25.45
LTE Band2	10	19150	1	#0	QAM16	22.13	25.33
LTE Band2	10	19150	1	#Mid	QAM16	22.53	25.73
LTE Band2	10	19150	1	#Max	QAM16	21.75	24.95

LTE Band2	10	19150	25	#0	QAM16	21.22	24.42
LTE Band2	10	19150	25	#Mid	QAM16	21.23	24.43
LTE Band2	10	19150	25	#Max	QAM16	21.36	24.56
LTE Band2	10	19150	50	#0	QAM16	21.22	24.42
LTE Band2	15	18675	1	#0	QPSK	22.89	26.09
LTE Band2	15	18675	1	#Mid	QPSK	22.96	26.16
LTE Band2	15	18675	1	#Max	QPSK	23.07	26.27
LTE Band2	15	18675	36	#0	QPSK	22.08	25.28
LTE Band2	15	18675	36	#Mid	QPSK	22.08	25.28
LTE Band2	15	18675	36	#Max	QPSK	22.08	25.28
LTE Band2	15	18675	75	#0	QPSK	21.99	25.19
LTE Band2	15	18675	1	#0	QAM16	22.05	25.25
LTE Band2	15	18675	1	#Mid	QAM16	22.21	25.41
LTE Band2	15	18675	1	#Max	QAM16	22.22	25.42
LTE Band2	15	18675	36	#0	QAM16	21.00	24.20
LTE Band2	15	18675	36	#Mid	QAM16	21.00	24.20
LTE Band2	15	18675	36	#Max	QAM16	21.15	24.35
LTE Band2	15	18675	75	#0	QAM16	21.06	24.26
LTE Band2	15	18900	1	#0	QPSK	23.02	26.22
LTE Band2	15	18900	1	#Mid	QPSK	23.00	26.20
LTE Band2	15	18900	1	#Max	QPSK	23.09	26.29
LTE Band2	15	18900	36	#0	QPSK	22.18	25.38
LTE Band2	15	18900	36	#Mid	QPSK	22.19	25.39
LTE Band2	15	18900	36	#Max	QPSK	22.15	25.35
LTE Band2	15	18900	75	#0	QPSK	22.22	25.42
LTE Band2	15	18900	1	#0	QAM16	22.52	25.72
LTE Band2	15	18900	1	#Mid	QAM16	22.68	25.88
LTE Band2	15	18900	1	#Max	QAM16	22.76	25.96
LTE Band2	15	18900	36	#0	QAM16	21.06	24.26
LTE Band2	15	18900	36	#Mid	QAM16	21.07	24.27
LTE Band2	15	18900	36	#Max	QAM16	20.90	24.10
LTE Band2	15	18900	75	#0	QAM16	21.14	24.34
LTE Band2	15	19125	1	#0	QPSK	22.89	26.09
LTE Band2	15	19125	1	#Mid	QPSK	23.17	26.37
LTE Band2	15	19125	1	#Max	QPSK	22.86	26.06
LTE Band2	15	19125	36	#0	QPSK	22.15	25.35
LTE Band2	15	19125	36	#Mid	QPSK	22.15	25.35
LTE Band2	15	19125	36	#Max	QPSK	22.20	25.40
LTE Band2	15	19125	75	#0	QPSK	22.12	25.32
LTE Band2	15	19125	1	#0	QAM16	21.94	25.14
LTE Band2	15	19125	1	#Mid	QAM16	21.88	25.08
LTE Band2	15	19125	1	#Max	QAM16	21.23	24.43
LTE Band2	15	19125	36	#0	QAM16	20.98	24.18

LTE Band2	15	19125	36	#Mid	QAM16	20.98	24.18
LTE Band2	15	19125	36	#Max	QAM16	21.15	24.35
LTE Band2	15	19125	75	#0	QAM16	21.11	24.31
LTE Band2	20	18700	1	#0	QPSK	22.68	25.88
LTE Band2	20	18700	1	#Mid	QPSK	23.24	26.44
LTE Band2	20	18700	1	#Max	QPSK	22.77	25.97
LTE Band2	20	18700	50	#0	QPSK	22.04	25.24
LTE Band2	20	18700	50	#Mid	QPSK	22.03	25.23
LTE Band2	20	18700	50	#Max	QPSK	22.11	25.31
LTE Band2	20	18700	100	#0	QPSK	22.05	25.25
LTE Band2	20	18700	1	#0	QAM16	22.32	25.52
LTE Band2	20	18700	1	#Mid	QAM16	22.77	25.97
LTE Band2	20	18700	1	#Max	QAM16	22.14	25.34
LTE Band2	20	18700	50	#0	QAM16	21.11	24.31
LTE Band2	20	18700	50	#Mid	QAM16	21.11	24.31
LTE Band2	20	18700	50	#Max	QAM16	21.10	24.30
LTE Band2	20	18700	100	#0	QAM16	20.90	24.10
LTE Band2	20	18900	1	#0	QPSK	22.89	26.09
LTE Band2	20	18900	1	#Mid	QPSK	23.10	26.30
LTE Band2	20	18900	1	#Max	QPSK	23.05	26.25
LTE Band2	20	18900	50	#0	QPSK	22.12	25.32
LTE Band2	20	18900	50	#Mid	QPSK	22.13	25.33
LTE Band2	20	18900	50	#Max	QPSK	22.16	25.36
LTE Band2	20	18900	100	#0	QPSK	22.20	25.40
LTE Band2	20	18900	1	#0	QAM16	21.78	24.98
LTE Band2	20	18900	1	#Mid	QAM16	21.93	25.13
LTE Band2	20	18900	1	#Max	QAM16	21.65	24.85
LTE Band2	20	18900	50	#0	QAM16	21.13	24.33
LTE Band2	20	18900	50	#Mid	QAM16	21.08	24.28
LTE Band2	20	18900	50	#Max	QAM16	21.03	24.23
LTE Band2	20	18900	100	#0	QAM16	21.08	24.28
LTE Band2	20	19100	1	#0	QPSK	22.90	26.10
LTE Band2	20	19100	1	#Mid	QPSK	23.31	26.51
LTE Band2	20	19100	1	#Max	QPSK	22.81	26.01
LTE Band2	20	19100	50	#0	QPSK	22.02	25.22
LTE Band2	20	19100	50	#Mid	QPSK	22.01	25.21
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP
LTE Band4	1.4	19957	1	#0	QPSK	22.88	26.32
LTE Band4	1.4	19957	1	#Mid	QPSK	22.97	26.41
LTE Band4	1.4	19957	1	#Max	QPSK	22.88	26.32
LTE Band4	1.4	19957	3	#0	QPSK	22.88	26.32
LTE Band4	1.4	19957	3	#Mid	QPSK	22.71	26.15
LTE Band4	1.4	19957	3	#Max	QPSK	22.63	26.07

LTE Band4	1.4	19957	6	#0	QPSK	21.79	25.23
LTE Band4	1.4	19957	1	#0	QAM16	21.90	25.34
LTE Band4	1.4	19957	1	#Mid	QAM16	22.09	25.53
LTE Band4	1.4	19957	1	#Max	QAM16	21.85	25.29
LTE Band4	1.4	19957	3	#0	QAM16	21.87	25.31
LTE Band4	1.4	19957	3	#Mid	QAM16	21.87	25.31
LTE Band4	1.4	19957	3	#Max	QAM16	21.82	25.26
LTE Band4	1.4	19957	6	#0	QAM16	20.83	24.27
LTE Band4	1.4	20175	1	#0	QPSK	23.06	26.50
LTE Band4	1.4	20175	1	#Mid	QPSK	23.05	26.49
LTE Band4	1.4	20175	1	#Max	QPSK	22.90	26.34
LTE Band4	1.4	20175	3	#0	QPSK	22.93	26.37
LTE Band4	1.4	20175	3	#Mid	QPSK	23.01	26.45
LTE Band4	1.4	20175	3	#Max	QPSK	22.97	26.41
LTE Band4	1.4	20175	6	#0	QPSK	22.10	25.54
LTE Band4	1.4	20175	1	#0	QAM16	22.66	26.10
LTE Band4	1.4	20175	1	#Mid	QAM16	22.80	26.24
LTE Band4	1.4	20175	1	#Max	QAM16	22.67	26.11
LTE Band4	1.4	20175	3	#0	QAM16	22.21	25.65
LTE Band4	1.4	20175	3	#Mid	QAM16	22.21	25.65
LTE Band4	1.4	20175	3	#Max	QAM16	22.15	25.59
LTE Band4	1.4	20175	6	#0	QAM16	21.28	24.72
LTE Band4	1.4	20393	1	#0	QPSK	22.84	26.28
LTE Band4	1.4	20393	1	#Mid	QPSK	23.13	26.57
LTE Band4	1.4	20393	1	#Max	QPSK	22.93	26.37
LTE Band4	1.4	20393	3	#0	QPSK	22.95	26.39
LTE Band4	1.4	20393	3	#Mid	QPSK	22.95	26.39
LTE Band4	1.4	20393	3	#Max	QPSK	22.98	26.42
LTE Band4	1.4	20393	6	#0	QPSK	22.12	25.56
LTE Band4	1.4	20393	1	#0	QAM16	22.05	25.49
LTE Band4	1.4	20393	1	#Mid	QAM16	21.85	25.29
LTE Band4	1.4	20393	1	#Max	QAM16	21.70	25.14
LTE Band4	1.4	20393	3	#0	QAM16	22.01	25.45
LTE Band4	1.4	20393	3	#Mid	QAM16	22.01	25.45
LTE Band4	1.4	20393	3	#Max	QAM16	22.27	25.71
LTE Band4	1.4	20393	6	#0	QAM16	21.28	24.72
LTE Band4	3	19965	1	#0	QPSK	22.59	26.03
LTE Band4	3	19965	1	#Mid	QPSK	22.53	25.97
LTE Band4	3	19965	1	#Max	QPSK	22.53	25.97
LTE Band4	3	19965	8	#0	QPSK	21.91	25.35
LTE Band4	3	19965	8	#Mid	QPSK	21.91	25.35
LTE Band4	3	19965	8	#Max	QPSK	21.81	25.25
LTE Band4	3	19965	15	#0	QPSK	21.82	25.26

LTE Band4	3	19965	1	#0	QAM16	21.92	25.36
LTE Band4	3	19965	1	#Mid	QAM16	21.70	25.14
LTE Band4	3	19965	1	#Max	QAM16	21.63	25.07
LTE Band4	3	19965	8	#0	QAM16	20.65	24.09
LTE Band4	3	19965	8	#Mid	QAM16	20.65	24.09
LTE Band4	3	19965	8	#Max	QAM16	20.63	24.07
LTE Band4	3	19965	15	#0	QAM16	20.70	24.14
LTE Band4	3	20175	1	#0	QPSK	23.09	26.53
LTE Band4	3	20175	1	#Mid	QPSK	23.13	26.57
LTE Band4	3	20175	1	#Max	QPSK	23.31	26.75
LTE Band4	3	20175	8	#0	QPSK	22.06	25.50
LTE Band4	3	20175	8	#Mid	QPSK	22.06	25.50
LTE Band4	3	20175	8	#Max	QPSK	22.10	25.54
LTE Band4	3	20175	15	#0	QPSK	22.11	25.55
LTE Band4	3	20175	1	#0	QAM16	22.58	26.02
LTE Band4	3	20175	1	#Mid	QAM16	22.98	26.42
LTE Band4	3	20175	1	#Max	QAM16	23.03	26.47
LTE Band4	3	20175	8	#0	QAM16	21.30	24.74
LTE Band4	3	20175	8	#Mid	QAM16	21.30	24.74
LTE Band4	3	20175	8	#Max	QAM16	21.25	24.69
LTE Band4	3	20175	15	#0	QAM16	21.17	24.61
LTE Band4	3	20385	1	#0	QPSK	22.76	26.20
LTE Band4	3	20385	1	#Mid	QPSK	22.78	26.22
LTE Band4	3	20385	1	#Max	QPSK	22.87	26.31
LTE Band4	3	20385	8	#0	QPSK	22.04	25.48
LTE Band4	3	20385	8	#Mid	QPSK	21.94	25.38
LTE Band4	3	20385	8	#Max	QPSK	22.05	25.49
LTE Band4	3	20385	15	#0	QPSK	22.08	25.52
LTE Band4	3	20385	1	#0	QAM16	22.03	25.47
LTE Band4	3	20385	1	#Mid	QAM16	22.00	25.44
LTE Band4	3	20385	1	#Max	QAM16	22.02	25.46
LTE Band4	3	20385	8	#0	QAM16	21.23	24.67
LTE Band4	3	20385	8	#Mid	QAM16	21.24	24.68
LTE Band4	3	20385	8	#Max	QAM16	21.23	24.67
LTE Band4	3	20385	15	#0	QAM16	21.08	24.52
LTE Band4	5	19975	1	#0	QPSK	22.68	26.12
LTE Band4	5	19975	1	#Mid	QPSK	22.60	26.04
LTE Band4	5	19975	1	#Max	QPSK	22.56	26.00
LTE Band4	5	19975	12	#0	QPSK	21.86	25.30
LTE Band4	5	19975	12	#Mid	QPSK	21.86	25.30
LTE Band4	5	19975	12	#Max	QPSK	21.73	25.17
LTE Band4	5	19975	25	#0	QPSK	21.79	25.23
LTE Band4	5	19975	1	#0	QAM16	21.81	25.25

LTE Band4	5	19975	1	#Mid	QAM16	21.62	25.06
LTE Band4	5	19975	1	#Max	QAM16	21.60	25.04
LTE Band4	5	19975	12	#0	QAM16	20.71	24.15
LTE Band4	5	19975	12	#Mid	QAM16	20.71	24.15
LTE Band4	5	19975	12	#Max	QAM16	20.71	24.15
LTE Band4	5	19975	25	#0	QAM16	20.90	24.34
LTE Band4	5	20175	1	#0	QPSK	23.07	26.51
LTE Band4	5	20175	1	#Mid	QPSK	23.07	26.51
LTE Band4	5	20175	1	#Max	QPSK	23.00	26.44
LTE Band4	5	20175	12	#0	QPSK	22.10	25.54
LTE Band4	5	20175	12	#Mid	QPSK	22.10	25.54
LTE Band4	5	20175	12	#Max	QPSK	22.16	25.60
LTE Band4	5	20175	25	#0	QPSK	22.02	25.46
LTE Band4	5	20175	1	#0	QAM16	22.20	25.64
LTE Band4	5	20175	1	#Mid	QAM16	22.31	25.75
LTE Band4	5	20175	1	#Max	QAM16	22.43	25.87
LTE Band4	5	20175	12	#0	QAM16	20.84	24.28
LTE Band4	5	20175	12	#Mid	QAM16	20.84	24.28
LTE Band4	5	20175	12	#Max	QAM16	20.78	24.22
LTE Band4	5	20175	25	#0	QAM16	20.95	24.39
LTE Band4	5	20375	1	#0	QPSK	22.88	26.32
LTE Band4	5	20375	1	#Mid	QPSK	22.88	26.32
LTE Band4	5	20375	1	#Max	QPSK	23.03	26.47
LTE Band4	5	20375	12	#0	QPSK	22.14	25.58
LTE Band4	5	20375	12	#Mid	QPSK	22.15	25.59
LTE Band4	5	20375	12	#Max	QPSK	22.12	25.56
LTE Band4	5	20375	25	#0	QPSK	22.23	25.67
LTE Band4	5	20375	1	#0	QAM16	22.09	25.53
LTE Band4	5	20375	1	#Mid	QAM16	21.95	25.39
LTE Band4	5	20375	1	#Max	QAM16	22.00	25.44
LTE Band4	5	20375	12	#0	QAM16	20.90	24.34
LTE Band4	5	20375	12	#Mid	QAM16	20.91	24.35
LTE Band4	5	20375	12	#Max	QAM16	21.05	24.49
LTE Band4	5	20375	25	#0	QAM16	21.02	24.46
LTE Band4	10	20000	1	#0	QPSK	22.60	26.04
LTE Band4	10	20000	1	#Mid	QPSK	22.62	26.06
LTE Band4	10	20000	1	#Max	QPSK	22.60	26.04
LTE Band4	10	20000	25	#0	QPSK	21.90	25.34
LTE Band4	10	20000	25	#Mid	QPSK	21.90	25.34
LTE Band4	10	20000	25	#Max	QPSK	21.68	25.12
LTE Band4	10	20000	50	#0	QPSK	21.83	25.27
LTE Band4	10	20000	1	#0	QAM16	21.94	25.38
LTE Band4	10	20000	1	#Mid	QAM16	21.97	25.41

LTE Band4	10	20000	1	#Max	QAM16	21.66	25.10
LTE Band4	10	20000	25	#0	QAM16	20.74	24.18
LTE Band4	10	20000	25	#Mid	QAM16	20.74	24.18
LTE Band4	10	20000	25	#Max	QAM16	20.61	24.05
LTE Band4	10	20000	50	#0	QAM16	20.82	24.26
LTE Band4	10	20175	1	#0	QPSK	22.94	26.38
LTE Band4	10	20175	1	#Mid	QPSK	23.23	26.67
LTE Band4	10	20175	1	#Max	QPSK	23.09	26.53
LTE Band4	10	20175	25	#0	QPSK	22.05	25.49
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LTE Band4	10	20175	25	#Max	QPSK	22.04	25.48
LTE Band4	10	20175	50	#0	QPSK	22.08	25.52
LTE Band4	10	20175	1	#0	QAM16	22.43	25.87
LTE Band4	10	20175	1	#Mid	QAM16	23.06	26.50
LTE Band4	10	20175	1	#Max	QAM16	22.82	26.26
LTE Band4	10	20175	25	#0	QAM16	21.13	24.57
LTE Band4	10	20175	25	#Mid	QAM16	21.13	24.57
LTE Band4	10	20175	25	#Max	QAM16	21.21	24.65
LTE Band4	10	20175	50	#0	QAM16	20.87	24.31
LTE Band4	10	20350	1	#0	QPSK	22.92	26.36
LTE Band4	10	20350	1	#Mid	QPSK	22.91	26.35
LTE Band4	10	20350	1	#Max	QPSK	23.13	26.57
LTE Band4	10	20350	25	#0	QPSK	22.23	25.67
LTE Band4	10	20350	25	#Mid	QPSK	22.23	25.67
LTE Band4	10	20350	25	#Max	QPSK	22.06	25.50
LTE Band4	10	20350	50	#0	QPSK	22.21	25.65
LTE Band4	10	20350	1	#0	QAM16	22.07	25.51
LTE Band4	10	20350	1	#Mid	QAM16	21.83	25.27
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LTE Band4	10	20350	25	#Mid	QAM16	21.31	24.75
LTE Band4	10	20350	25	#Max	QAM16	21.06	24.50
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LTE Band4	15	20025	1	#0	QPSK	22.55	25.99
LTE Band4	15	20025	1	#Mid	QPSK	22.60	26.04
LTE Band4	15	20025	1	#Max	QPSK	22.97	26.41
LTE Band4	15	20025	36	#0	QPSK	21.74	25.18
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LTE Band4	15	20025	36	#Max	QPSK	21.80	25.24
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LTE Band4	15	20025	1	#0	QAM16	21.88	25.32
LTE Band4	15	20025	1	#Mid	QAM16	21.75	25.19
LTE Band4	15	20025	1	#Max	QAM16	21.98	25.42

LTE Band4	15	20025	36	#0	QAM16	20.73	24.17
LTE Band4	15	20025	36	#Mid	QAM16	20.73	24.17
LTE Band4	15	20025	36	#Max	QAM16	20.69	24.13
LTE Band4	15	20025	75	#0	QAM16	20.71	24.15
LTE Band4	15	20175	1	#0	QPSK	22.73	26.17
LTE Band4	15	20175	1	#Mid	QPSK	23.07	26.51
LTE Band4	15	20175	1	#Max	QPSK	22.93	26.37
LTE Band4	15	20175	36	#0	QPSK	22.07	25.51
LTE Band4	15	20175	36	#Mid	QPSK	22.07	25.51
LTE Band4	15	20175	36	#Max	QPSK	22.06	25.50
LTE Band4	15	20175	75	#0	QPSK	22.05	25.49
LTE Band4	15	20175	1	#0	QAM16	22.57	26.01
LTE Band4	15	20175	1	#Mid	QAM16	23.11	26.55
LTE Band4	15	20175	1	#Max	QAM16	22.57	26.01
LTE Band4	15	20175	36	#0	QAM16	20.93	24.37
LTE Band4	15	20175	36	#Mid	QAM16	20.93	24.37
LTE Band4	15	20175	36	#Max	QAM16	21.21	24.65
LTE Band4	15	20175	75	#0	QAM16	21.01	24.45
LTE Band4	15	20325	1	#0	QPSK	23.00	26.44
LTE Band4	15	20325	1	#Mid	QPSK	22.94	26.38
LTE Band4	15	20325	1	#Max	QPSK	22.97	26.41
LTE Band4	15	20325	36	#0	QPSK	22.23	25.67
LTE Band4	15	20325	36	#Mid	QPSK	22.23	25.67
LTE Band4	15	20325	36	#Max	QPSK	22.07	25.51
LTE Band4	15	20325	75	#0	QPSK	22.12	25.56
LTE Band4	15	20325	1	#0	QAM16	21.86	25.30
LTE Band4	15	20325	1	#Mid	QAM16	21.34	24.78
LTE Band4	15	20325	1	#Max	QAM16	20.92	24.36
LTE Band4	15	20325	36	#0	QAM16	21.18	24.62
LTE Band4	15	20325	36	#Mid	QAM16	21.17	24.61
LTE Band4	15	20325	36	#Max	QAM16	20.94	24.38
LTE Band4	15	20325	75	#0	QAM16	21.11	24.55
LTE Band4	20	20050	1	#0	QPSK	22.61	26.05
LTE Band4	20	20050	1	#Mid	QPSK	22.90	26.34
LTE Band4	20	20050	1	#Max	QPSK	22.85	26.29
LTE Band4	20	20050	50	#0	QPSK	21.67	25.11
LTE Band4	20	20050	50	#Mid	QPSK	21.68	25.12
LTE Band4	20	20050	50	#Max	QPSK	21.98	25.42
LTE Band4	20	20050	100	#0	QPSK	21.80	25.24
LTE Band4	20	20050	1	#0	QAM16	21.76	25.20
LTE Band4	20	20050	1	#Mid	QAM16	22.20	25.64
LTE Band4	20	20050	1	#Max	QAM16	22.43	25.87
LTE Band4	20	20050	50	#0	QAM16	20.75	24.19

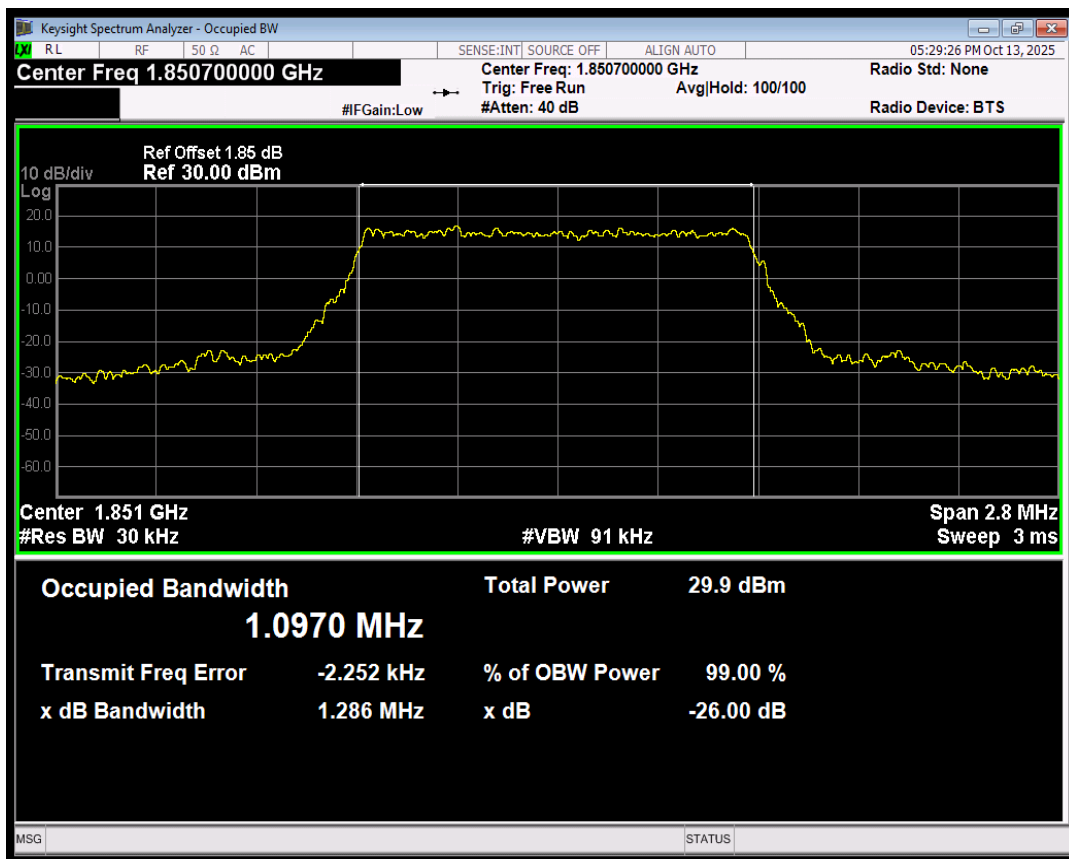
LTE Band4	20	20050	50	#Mid	QAM16	20.76	24.20
LTE Band4	20	20050	50	#Max	QAM16	20.92	24.36
LTE Band4	20	20050	100	#0	QAM16	20.68	24.12
LTE Band4	20	20175	1	#0	QPSK	22.69	26.13
LTE Band4	20	20175	1	#Mid	QPSK	23.33	26.77
LTE Band4	20	20175	1	#Max	QPSK	22.90	26.34
LTE Band4	20	20175	50	#0	QPSK	22.03	25.47
LTE Band4	20	20175	50	#Mid	QPSK	22.03	25.47
LTE Band4	20	20175	50	#Max	QPSK	22.25	25.69
LTE Band4	20	20175	100	#0	QPSK	22.08	25.52
LTE Band4	20	20175	1	#0	QAM16	21.50	24.94
LTE Band4	20	20175	1	#Mid	QAM16	21.74	25.18
LTE Band4	20	20175	1	#Max	QAM16	21.21	24.65
LTE Band4	20	20175	50	#0	QAM16	20.95	24.39
LTE Band4	20	20175	50	#Mid	QAM16	21.06	24.50
LTE Band4	20	20175	50	#Max	QAM16	21.13	24.57
LTE Band4	20	20175	100	#0	QAM16	21.07	24.51
LTE Band4	20	20300	1	#0	QPSK	23.22	26.66
LTE Band4	20	20300	1	#Mid	QPSK	23.09	26.53
LTE Band4	20	20300	1	#Max	QPSK	22.89	26.33
LTE Band4	20	20300	50	#0	QPSK	22.29	25.73
LTE Band4	20	20300	50	#Mid	QPSK	22.28	25.72
LTE Band4	20	20300	50	#Max	QPSK	22.09	25.53
LTE Band4	20	20300	100	#0	QPSK	22.12	25.56
LTE Band4	20	20300	1	#0	QAM16	22.16	25.60
LTE Band4	20	20300	1	#Mid	QAM16	22.06	25.50
LTE Band4	20	20300	1	#Max	QAM16	21.96	25.40
LTE Band4	20	20300	50	#0	QAM16	21.33	24.77
LTE Band4	20	20300	50	#Mid	QAM16	21.33	24.77
LTE Band4	20	20300	50	#Max	QAM16	20.98	24.42
LTE Band4	20	20300	100	#0	QAM16	21.21	24.65

6.2 Occupied Bandwidth

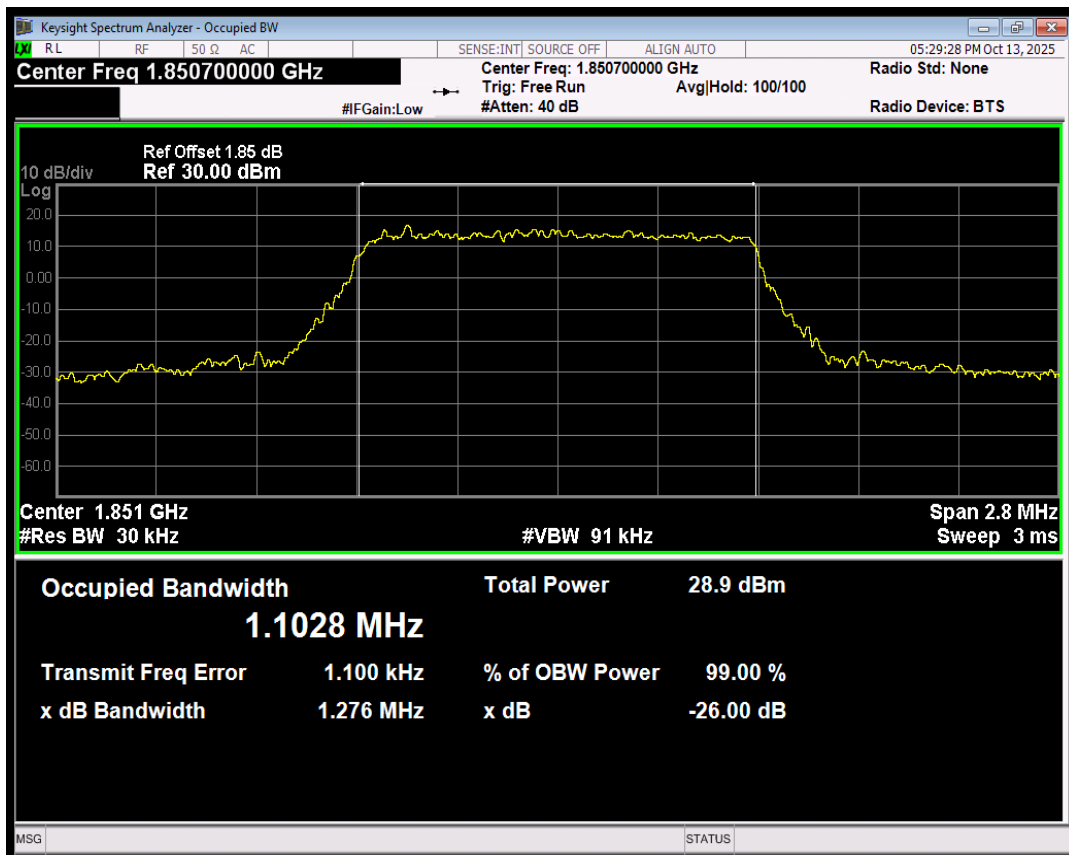
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
LTE Band2	1.4	18607	6	#0	QPSK	1.097	1.286	PASS
LTE Band2	1.4	18607	6	#0	QAM16	1.103	1.276	PASS
LTE Band2	1.4	18900	6	#0	QPSK	1.093	1.270	PASS
LTE Band2	1.4	18900	6	#0	QAM16	1.096	1.292	PASS
LTE Band2	1.4	19193	6	#0	QPSK	1.095	1.284	PASS
LTE Band2	1.4	19193	6	#0	QAM16	1.102	1.277	PASS
LTE Band2	3	18615	15	#0	QPSK	2.699	2.987	PASS
LTE Band2	3	18615	15	#0	QAM16	2.701	2.937	PASS
LTE Band2	3	18900	15	#0	QPSK	2.703	2.977	PASS
LTE Band2	3	18900	15	#0	QAM16	2.693	2.933	PASS
LTE Band2	3	19185	15	#0	QPSK	2.695	2.988	PASS
LTE Band2	3	19185	15	#0	QAM16	2.692	2.978	PASS
LTE Band2	5	18625	25	#0	QPSK	4.536	4.950	PASS
LTE Band2	5	18625	25	#0	QAM16	4.518	4.987	PASS
LTE Band2	5	18900	25	#0	QPSK	4.522	4.968	PASS
LTE Band2	5	18900	25	#0	QAM16	4.511	4.990	PASS
LTE Band2	5	19175	25	#0	QPSK	4.505	4.905	PASS
LTE Band2	5	19175	25	#0	QAM16	4.530	5.020	PASS
LTE Band2	10	18650	50	#0	QPSK	8.999	9.677	PASS
LTE Band2	10	18650	50	#0	QAM16	8.978	9.681	PASS
LTE Band2	10	18900	50	#0	QPSK	8.973	9.746	PASS
LTE Band2	10	18900	50	#0	QAM16	8.960	9.708	PASS
LTE Band2	10	19150	50	#0	QPSK	8.964	9.724	PASS
LTE Band2	10	19150	50	#0	QAM16	8.947	9.618	PASS
LTE Band2	15	18675	75	#0	QPSK	13.439	14.535	PASS
LTE Band2	15	18675	75	#0	QAM16	13.432	14.587	PASS
LTE Band2	15	18900	75	#0	QPSK	13.467	14.560	PASS
LTE Band2	15	18900	75	#0	QAM16	13.419	14.614	PASS
LTE Band2	15	19125	75	#0	QPSK	13.448	14.480	PASS
LTE Band2	15	19125	75	#0	QAM16	13.397	14.321	PASS
LTE Band2	20	18700	100	#0	QPSK	17.884	19.194	PASS
LTE Band2	20	18700	100	#0	QAM16	17.864	19.200	PASS
LTE Band2	20	18900	100	#0	QPSK	17.924	19.189	PASS
LTE Band2	20	18900	100	#0	QAM16	17.901	19.319	PASS
LTE Band2	20	19100	100	#0	QPSK	17.805	19.130	PASS
LTE Band2	20	19100	100	#0	QAM16	17.805	19.265	PASS
LTE Band4	1.4	19957	6	#0	QPSK	1.094	1.281	PASS
LTE Band4	1.4	19957	6	#0	QAM16	1.097	1.296	PASS

LTE Band4	1.4	20175	6	#0	QPSK	1.090	1.277	PASS
LTE Band4	1.4	20175	6	#0	QAM16	1.100	1.295	PASS
LTE Band4	1.4	20393	6	#0	QPSK	1.093	1.305	PASS
LTE Band4	1.4	20393	6	#0	QAM16	1.094	1.276	PASS
LTE Band4	3	19965	15	#0	QPSK	2.683	2.978	PASS
LTE Band4	3	19965	15	#0	QAM16	2.698	2.915	PASS
LTE Band4	3	20175	15	#0	QPSK	2.698	2.995	PASS
LTE Band4	3	20175	15	#0	QAM16	2.699	2.986	PASS
LTE Band4	3	20385	15	#0	QPSK	2.693	2.975	PASS
LTE Band4	3	20385	15	#0	QAM16	2.700	2.978	PASS
LTE Band4	5	19975	25	#0	QPSK	4.524	5.016	PASS
LTE Band4	5	19975	25	#0	QAM16	4.506	4.940	PASS
LTE Band4	5	20175	25	#0	QPSK	4.524	4.953	PASS
LTE Band4	5	20175	25	#0	QAM16	4.510	4.984	PASS
LTE Band4	5	20375	25	#0	QPSK	4.503	4.925	PASS
LTE Band4	5	20375	25	#0	QAM16	4.529	4.978	PASS
LTE Band4	10	20000	50	#0	QPSK	8.966	9.758	PASS
LTE Band4	10	20000	50	#0	QAM16	8.964	9.712	PASS
LTE Band4	10	20175	50	#0	QPSK	8.945	9.746	PASS
LTE Band4	10	20175	50	#0	QAM16	8.955	9.642	PASS
LTE Band4	10	20350	50	#0	QPSK	8.932	9.761	PASS
LTE Band4	10	20350	50	#0	QAM16	8.992	9.744	PASS
LTE Band4	15	20025	75	#0	QPSK	13.431	14.559	PASS
LTE Band4	15	20025	75	#0	QAM16	13.427	14.672	PASS
LTE Band4	15	20175	75	#0	QPSK	13.382	14.376	PASS
LTE Band4	15	20175	75	#0	QAM16	13.392	14.577	PASS
LTE Band4	15	20325	75	#0	QPSK	13.418	14.501	PASS
LTE Band4	15	20325	75	#0	QAM16	13.397	14.361	PASS
LTE Band4	20	20050	100	#0	QPSK	17.920	19.387	PASS
LTE Band4	20	20050	100	#0	QAM16	17.948	19.338	PASS
LTE Band4	20	20175	100	#0	QPSK	17.951	19.273	PASS
LTE Band4	20	20175	100	#0	QAM16	17.880	19.313	PASS
LTE Band4	20	20300	100	#0	QPSK	17.850	19.153	PASS
LTE Band4	20	20300	100	#0	QAM16	17.914	19.314	PASS

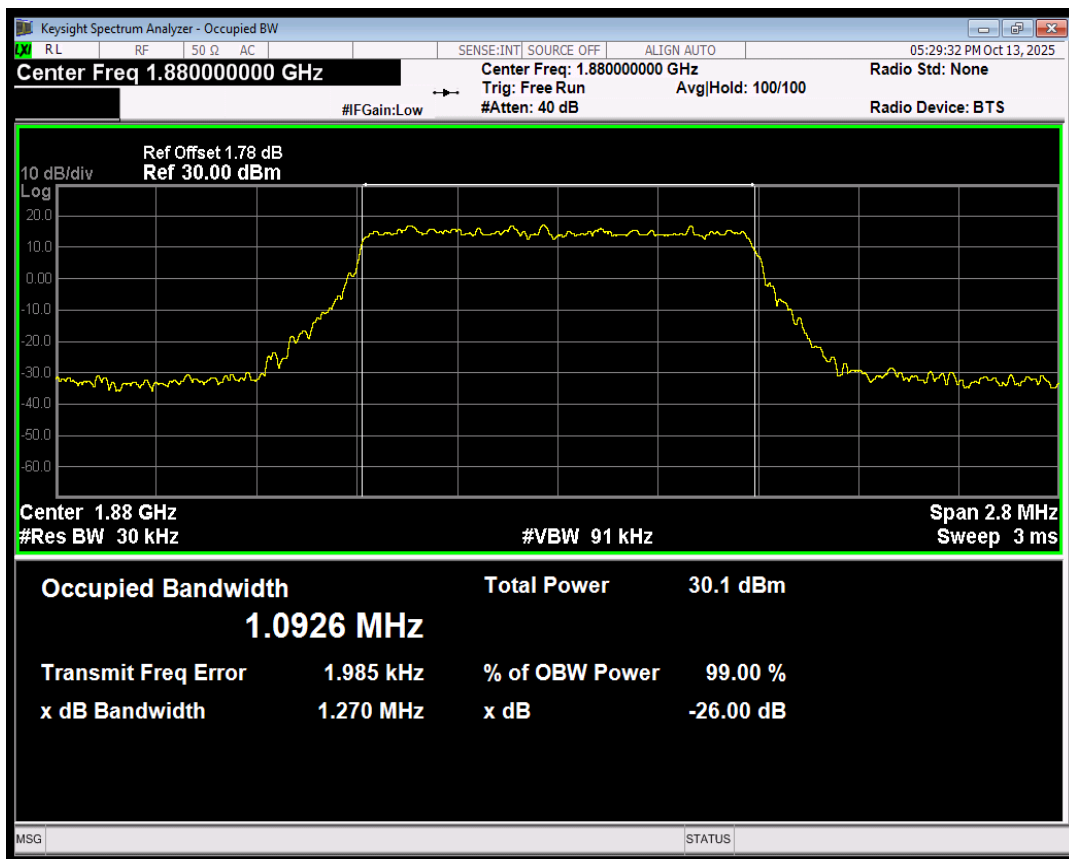
LTE Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



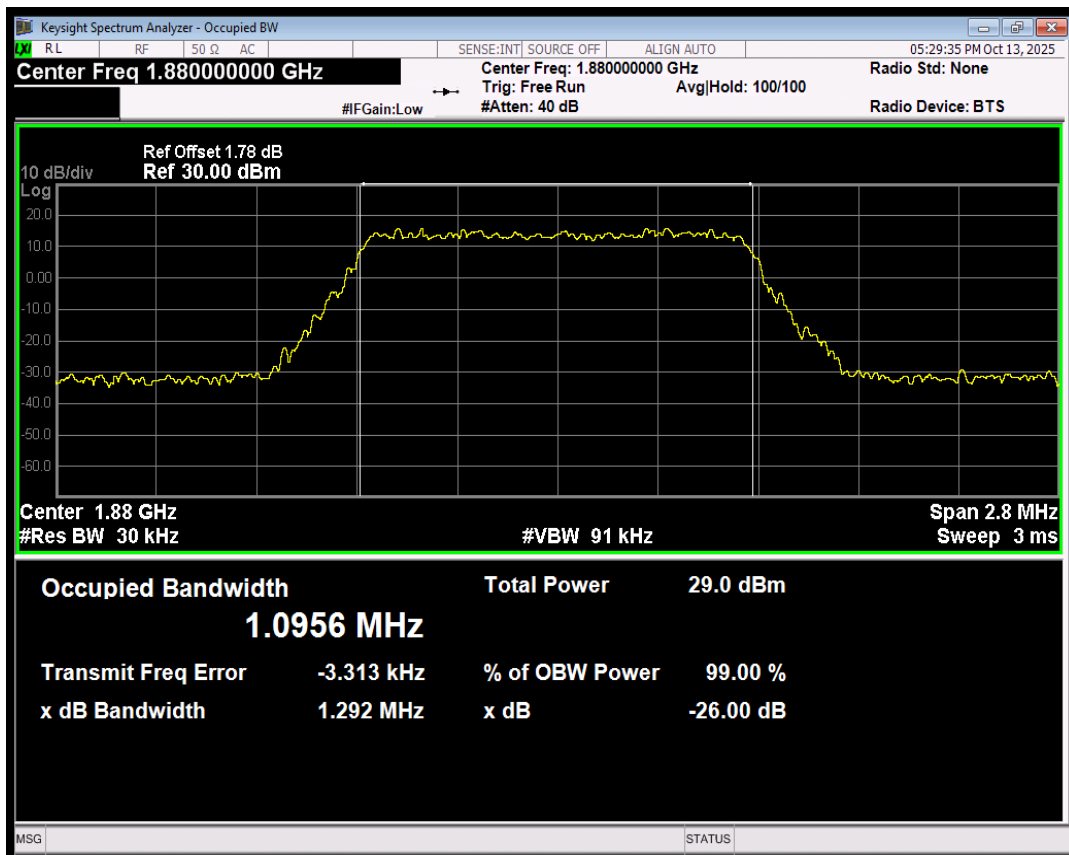
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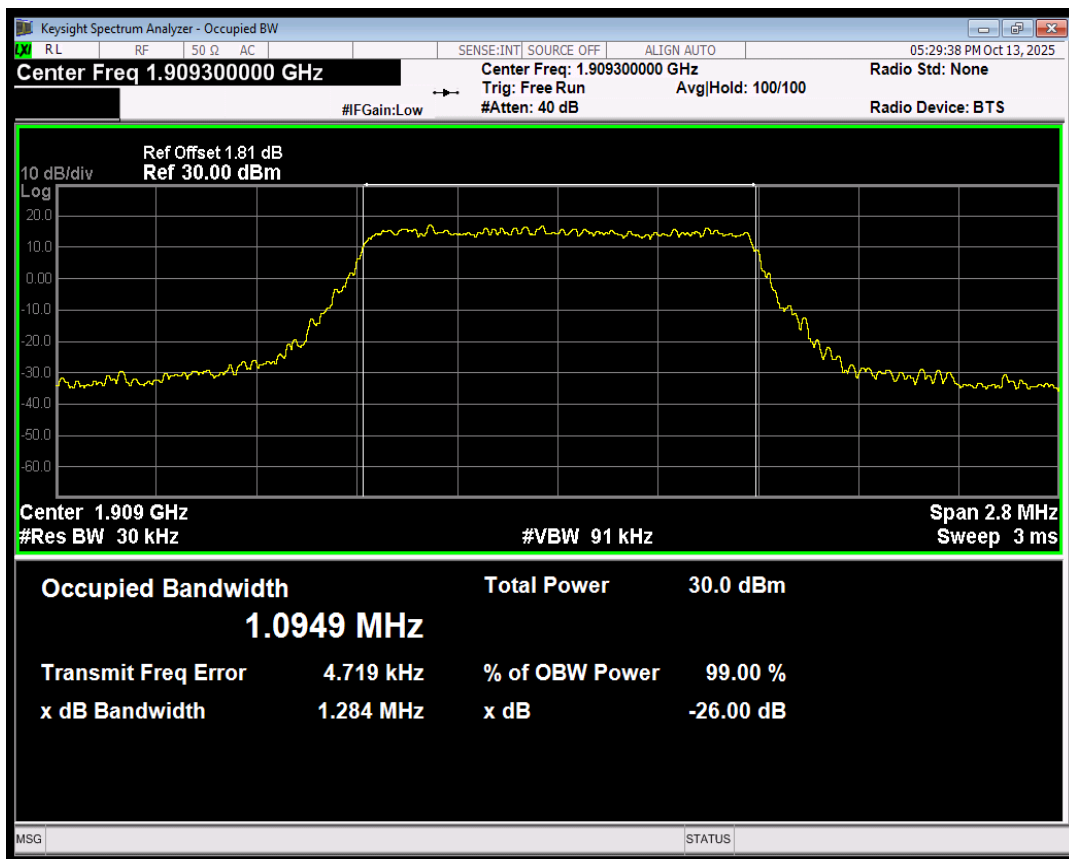
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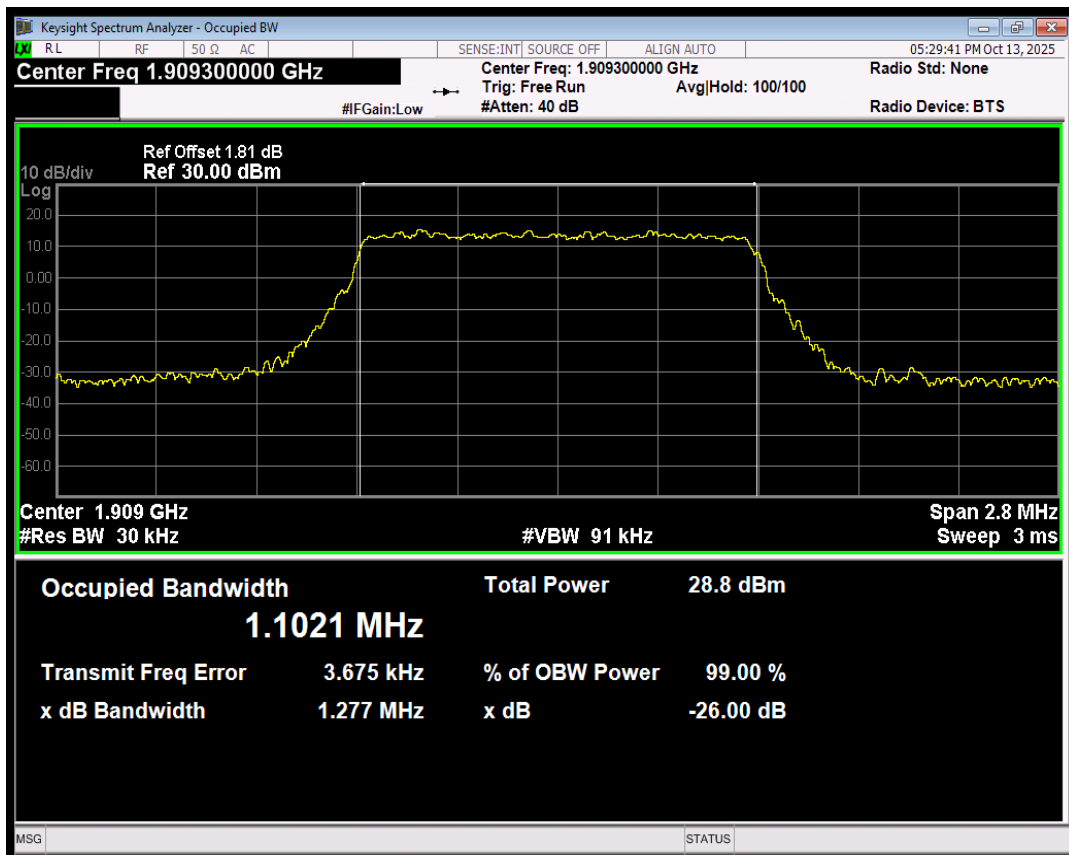
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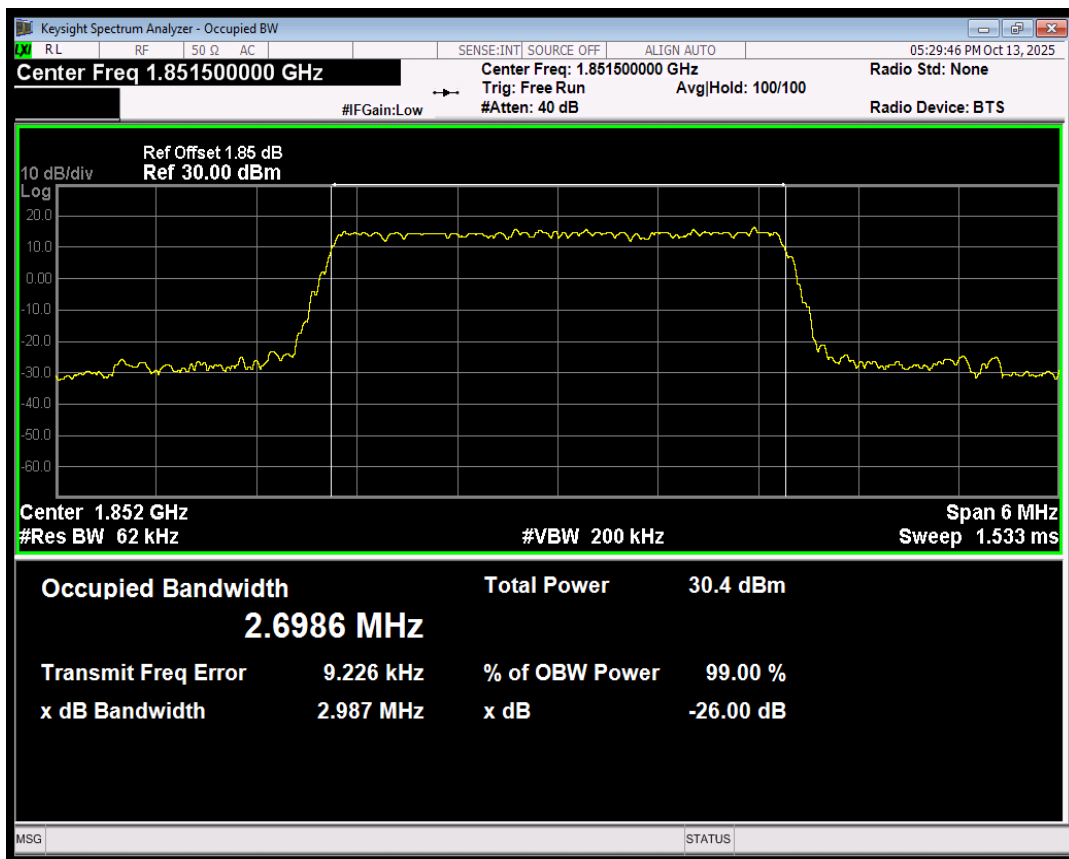
LTE Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



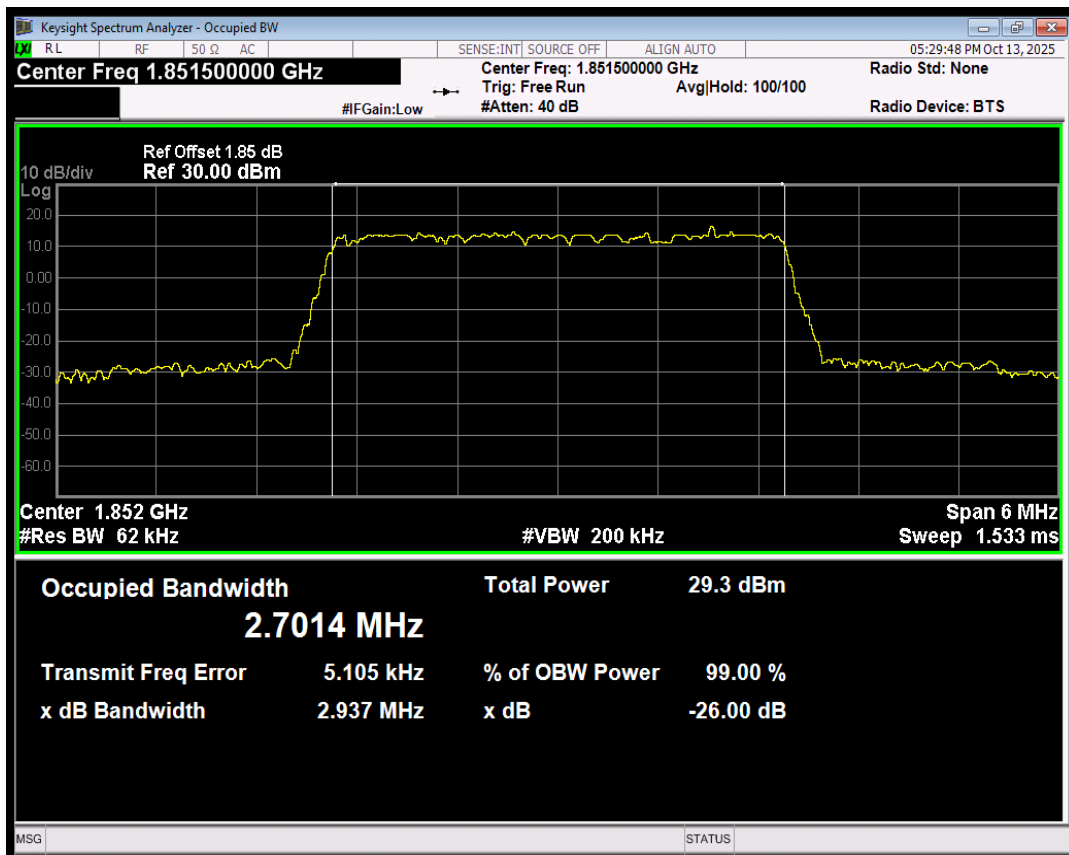
LTE Band2 QAM16 BW=1.4MHz Channel=19193 RB Size=6 Position=#0



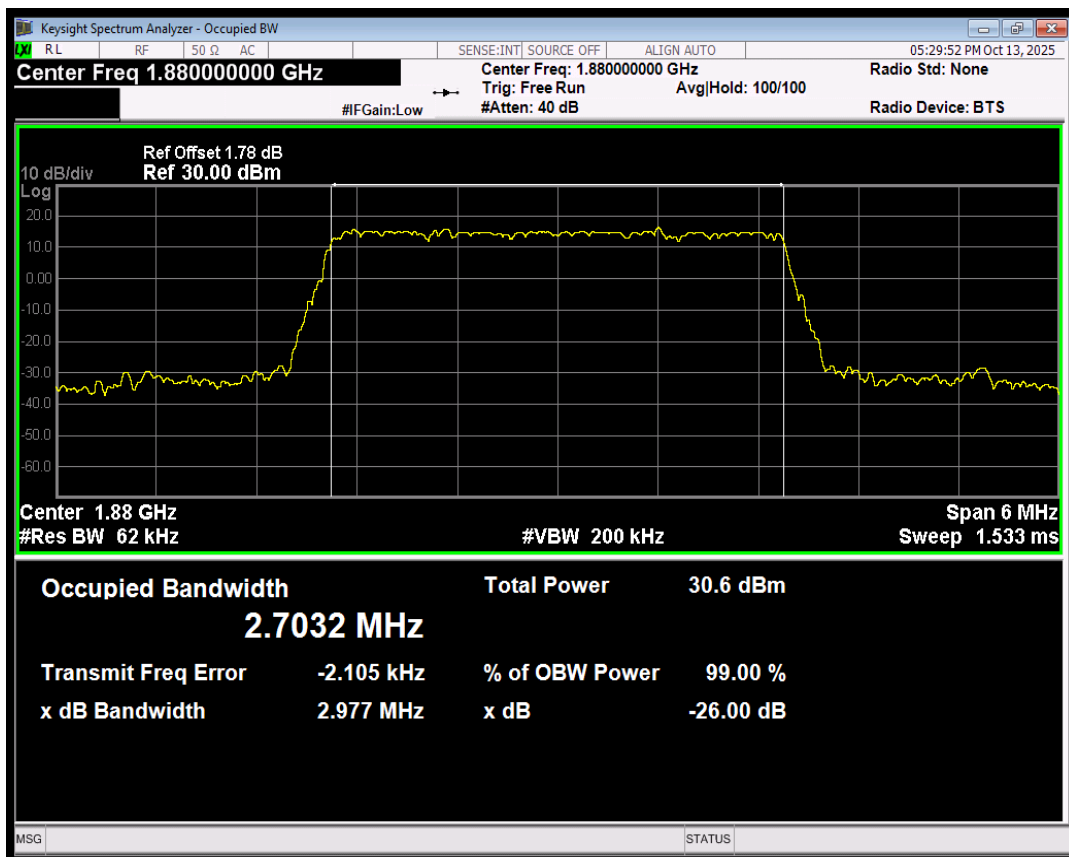
LTE Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



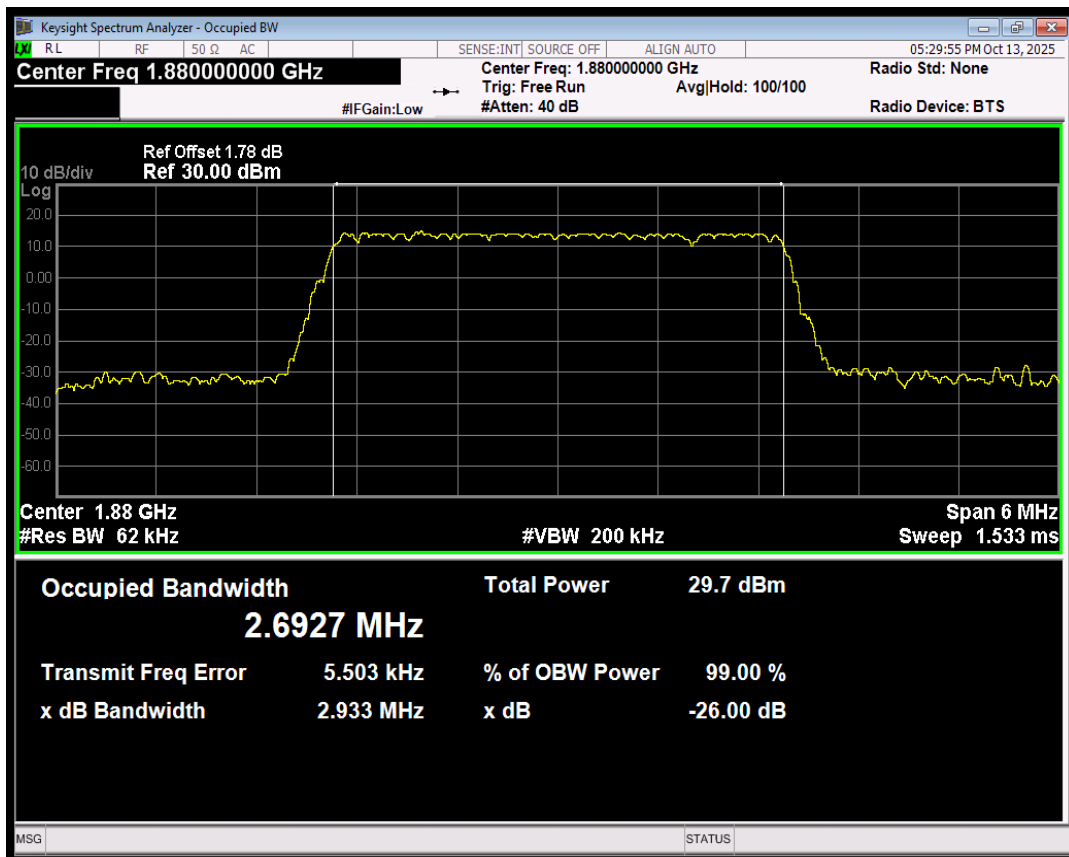
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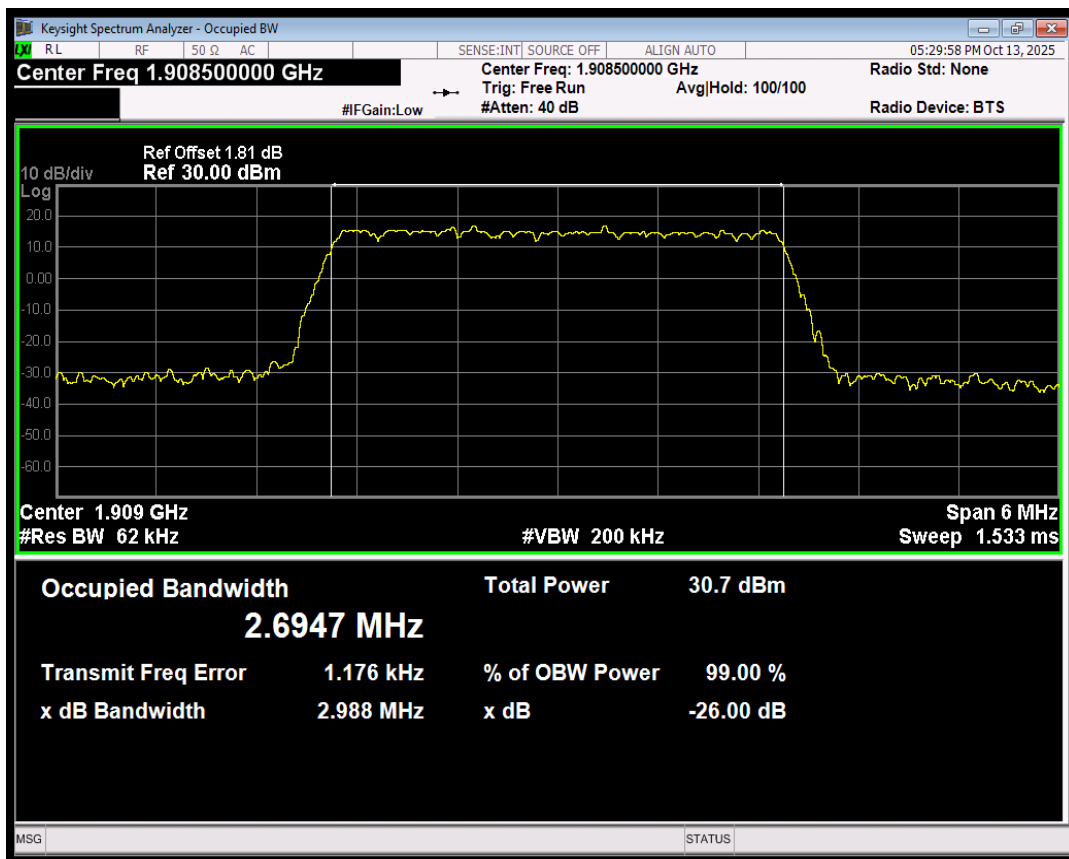
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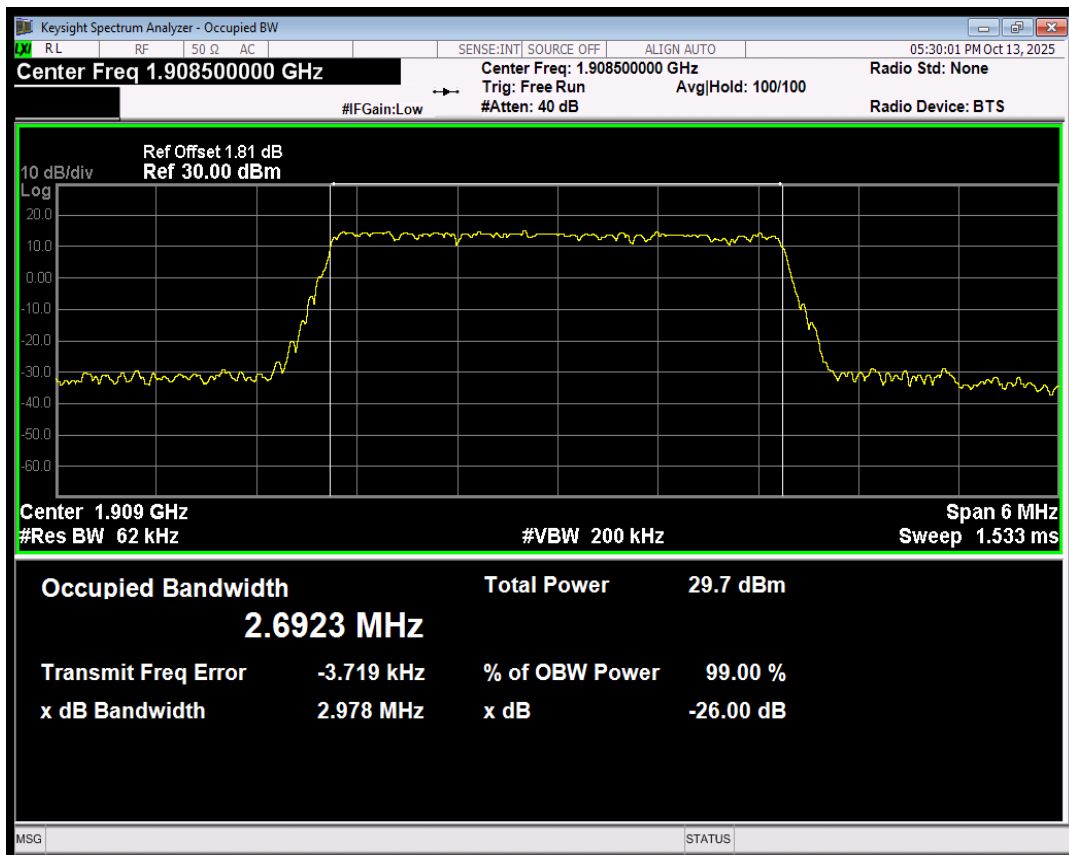
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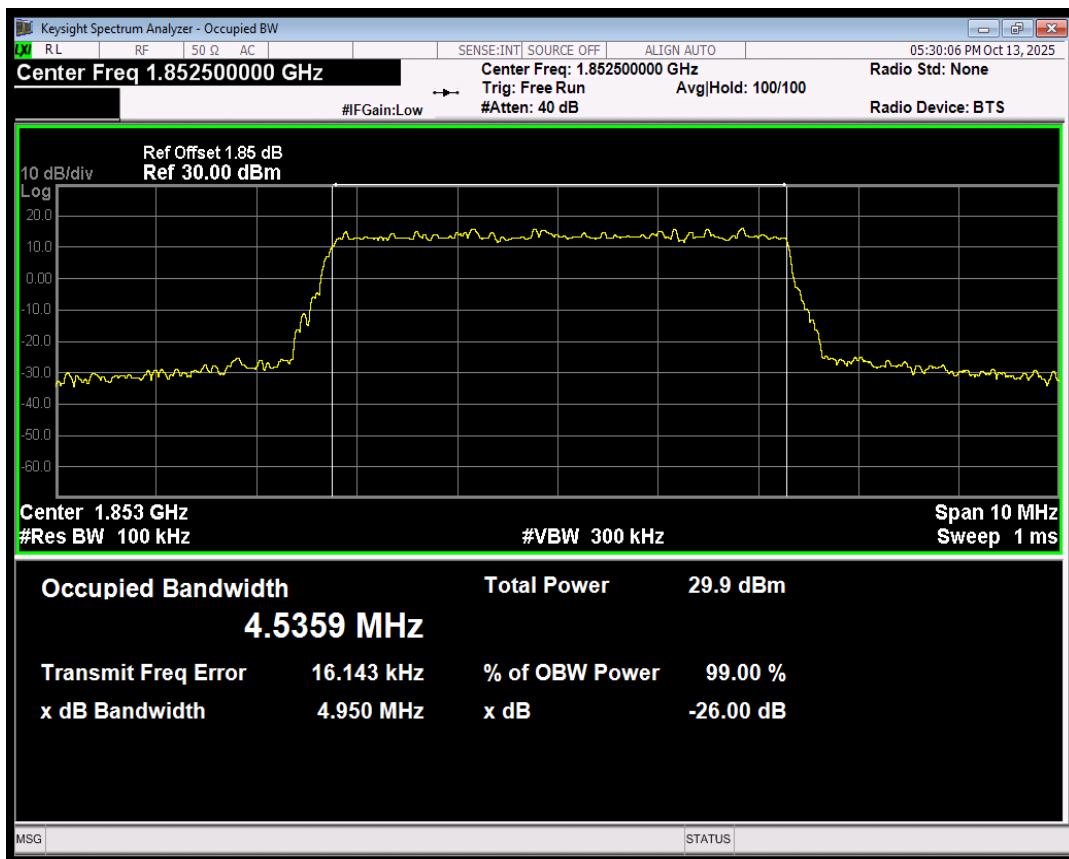
LTE Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



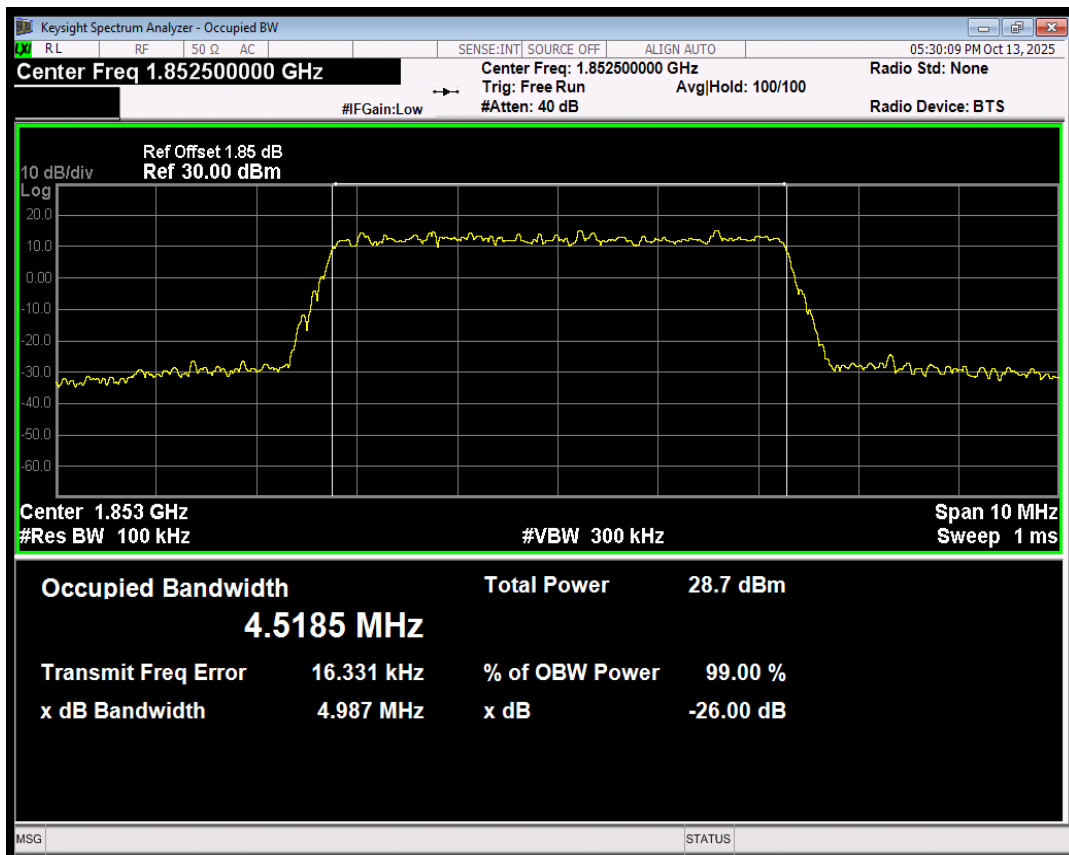
LTE Band2 QAM16 BW=3MHz Channel=19185 RB Size=15 Position=#0



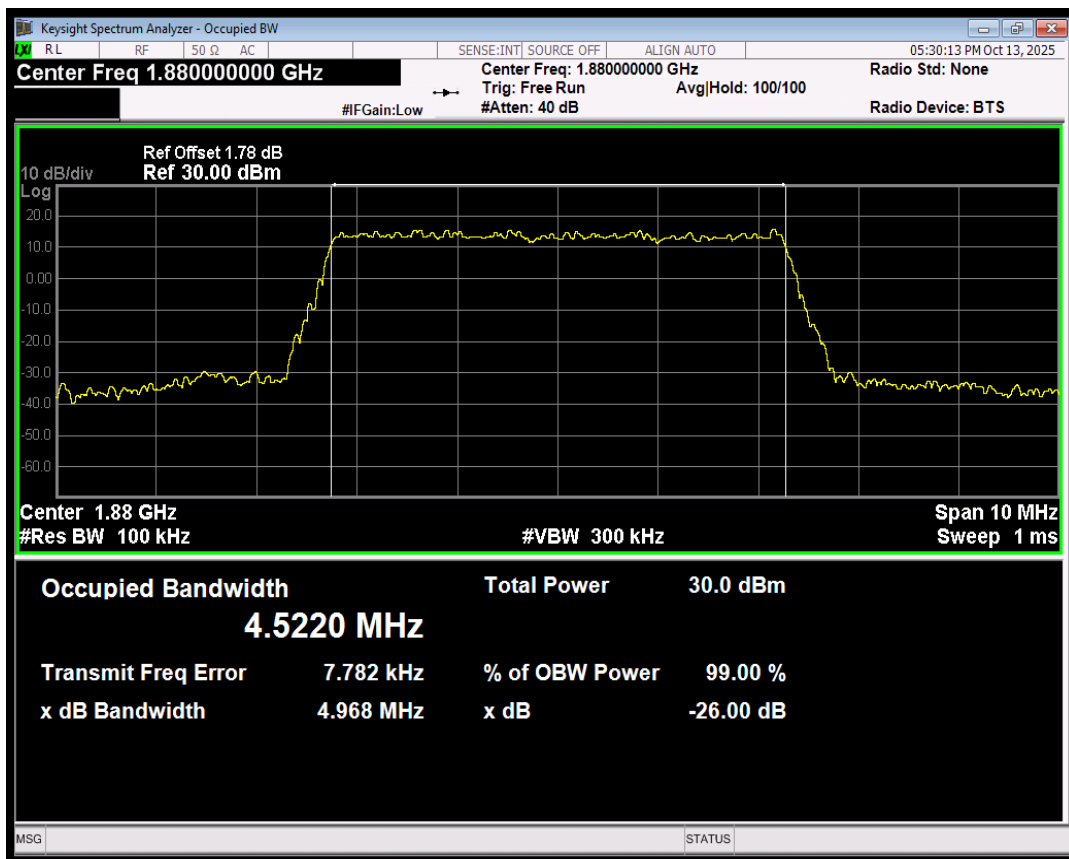
LTE Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



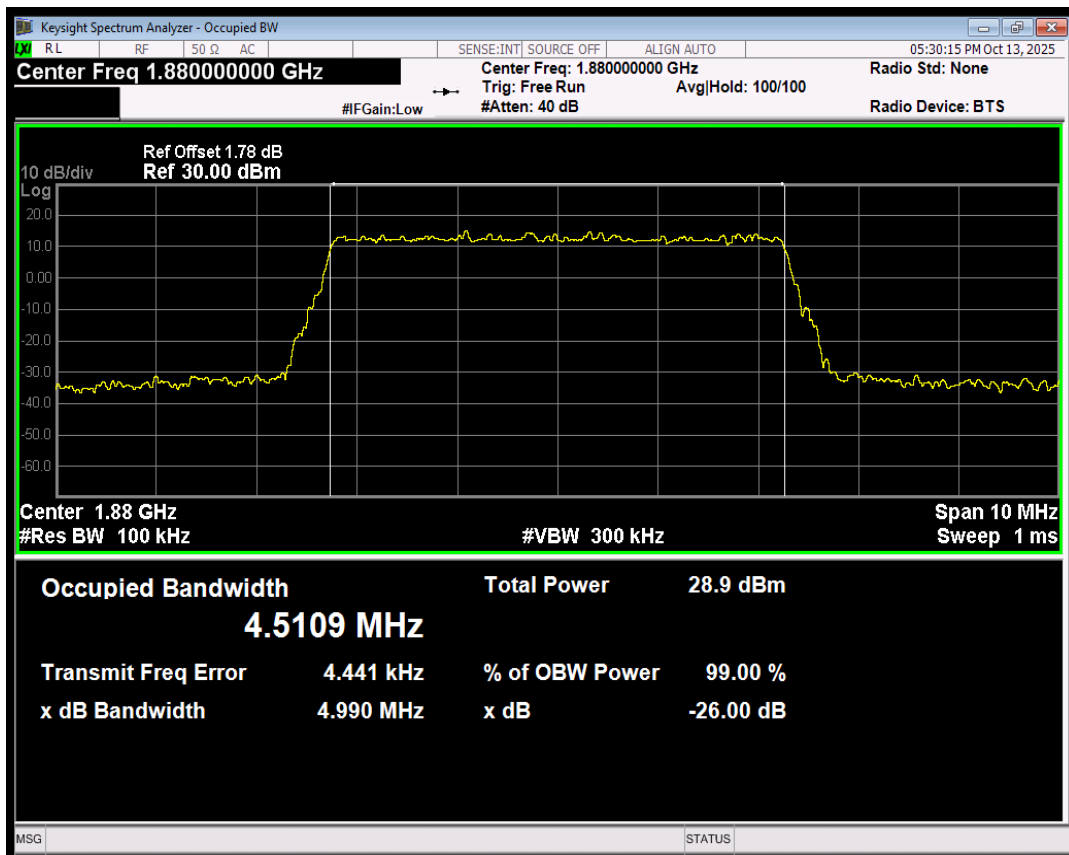
LTE Band2 QAM16 BW=5MHz Channel=18625 RB Size=25 Position=#0



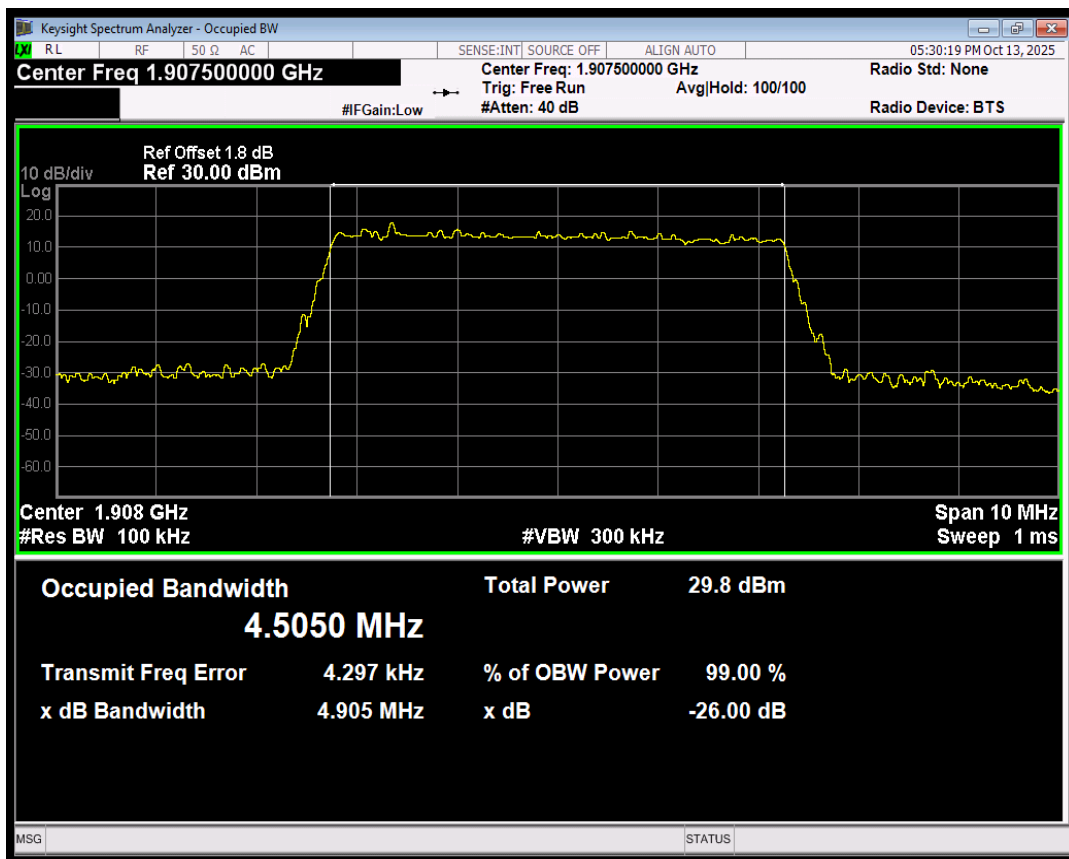
LTE Band2 QPSK BW=5MHz Channel=18900 RB Size=25 Position=#0



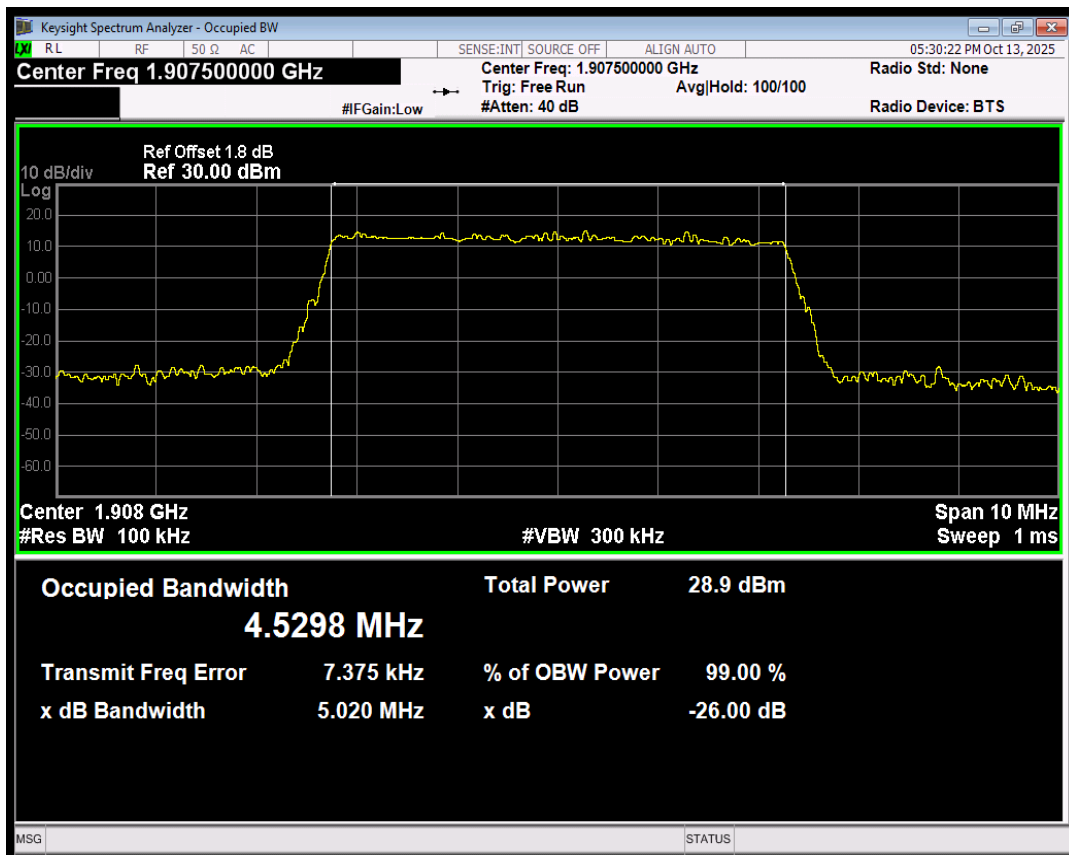
LTE Band2 QAM16 BW=5MHz Channel=18900 RB Size=25 Position=#0



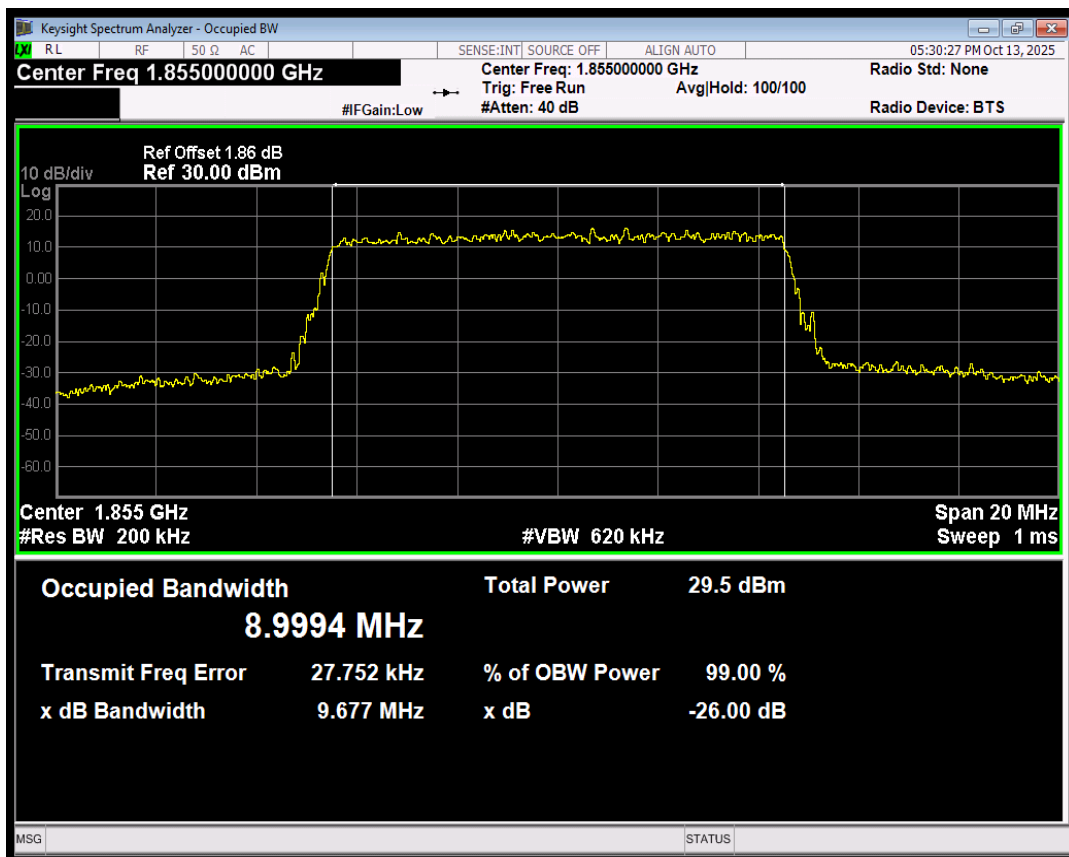
LTE Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0



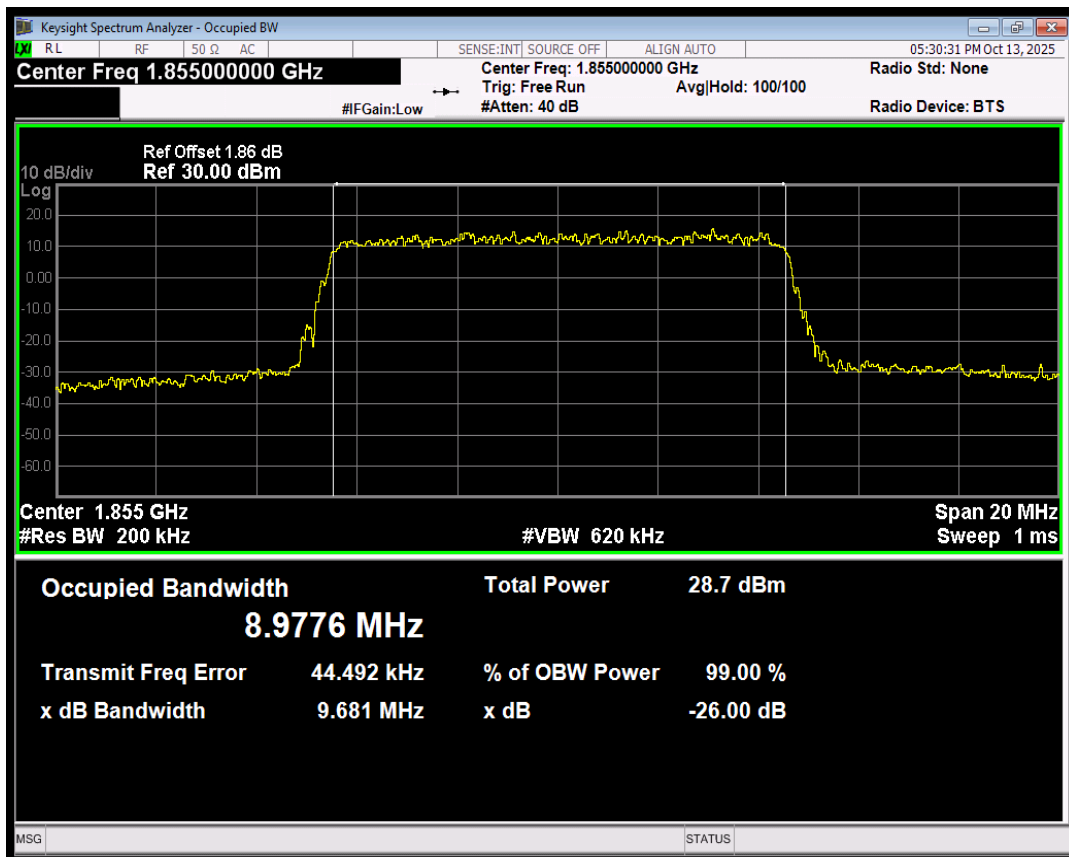
LTE Band2 QAM16 BW=5MHz Channel=19175 RB Size=25 Position=#0



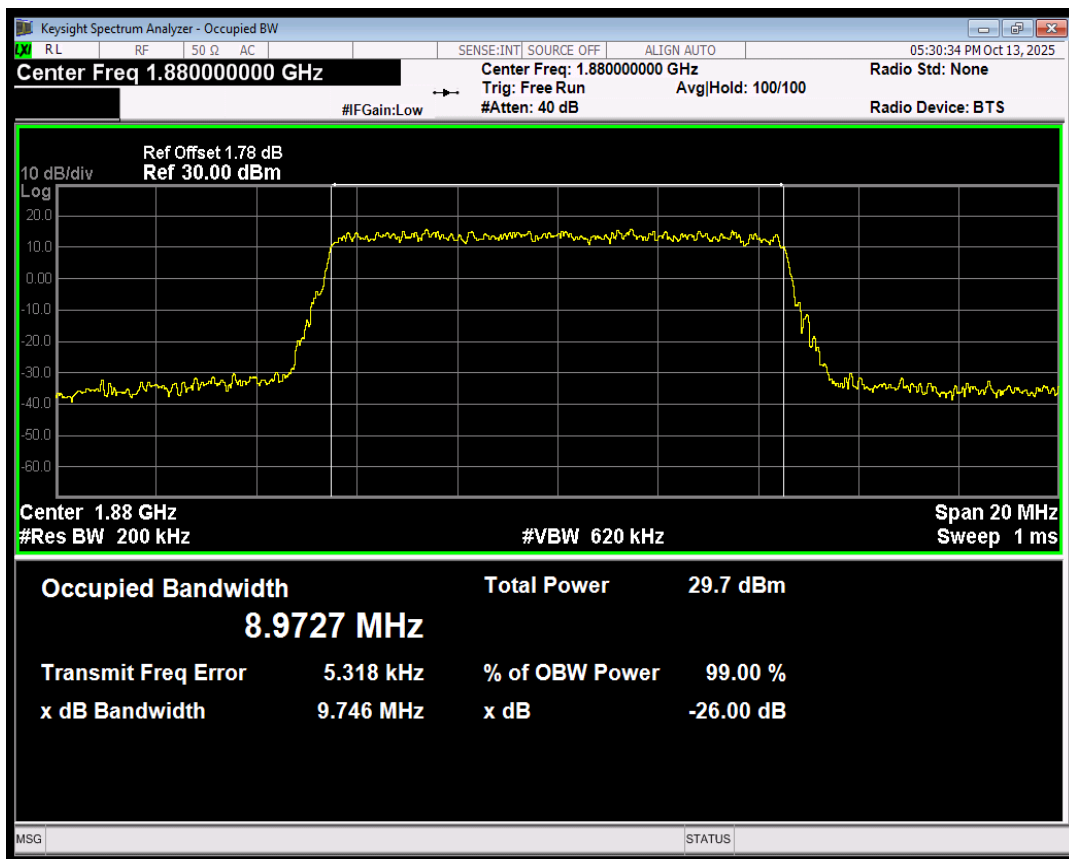
LTE Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



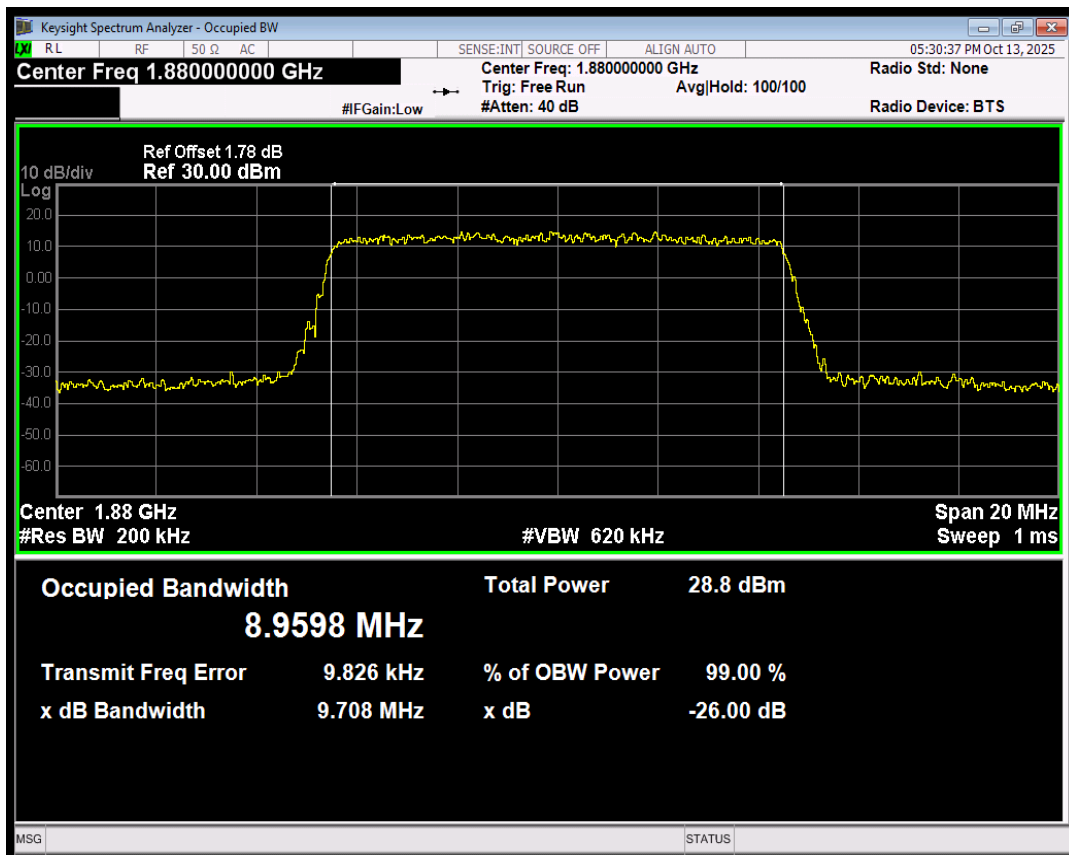
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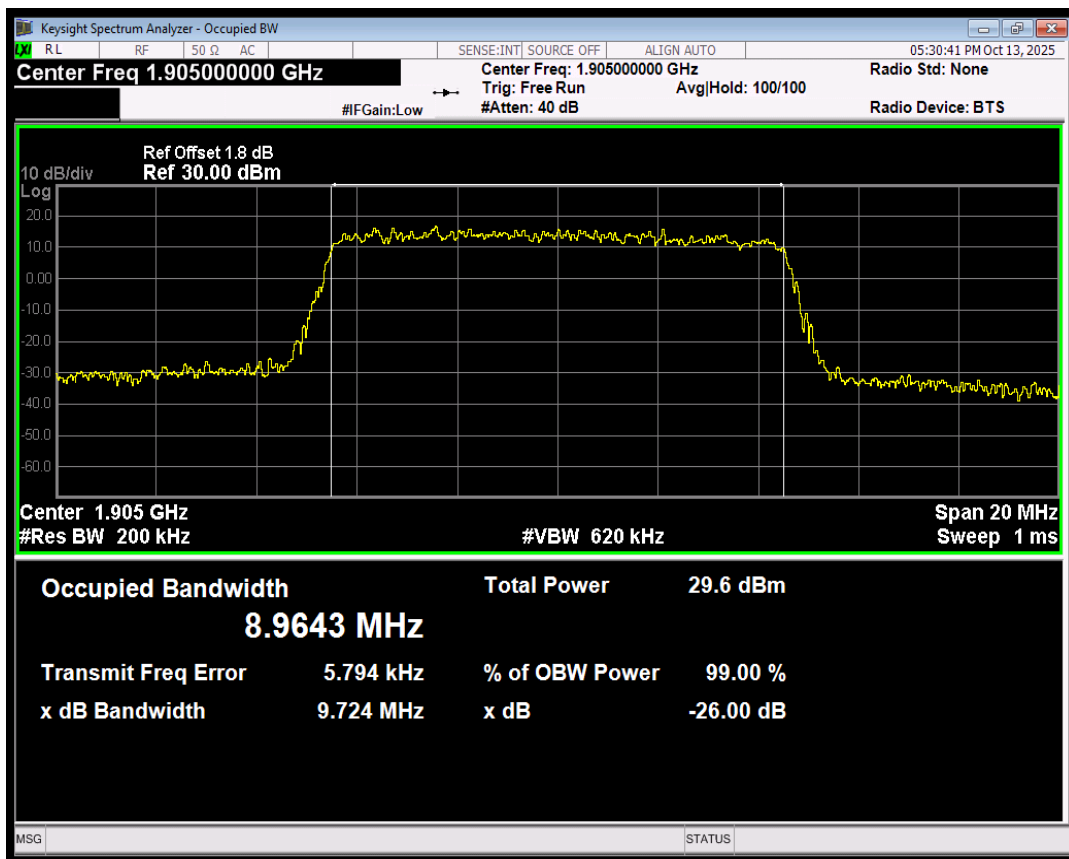
LTE Band2 QPSK BW=10MHz Channel=18900 RB Size=50 Position=#0



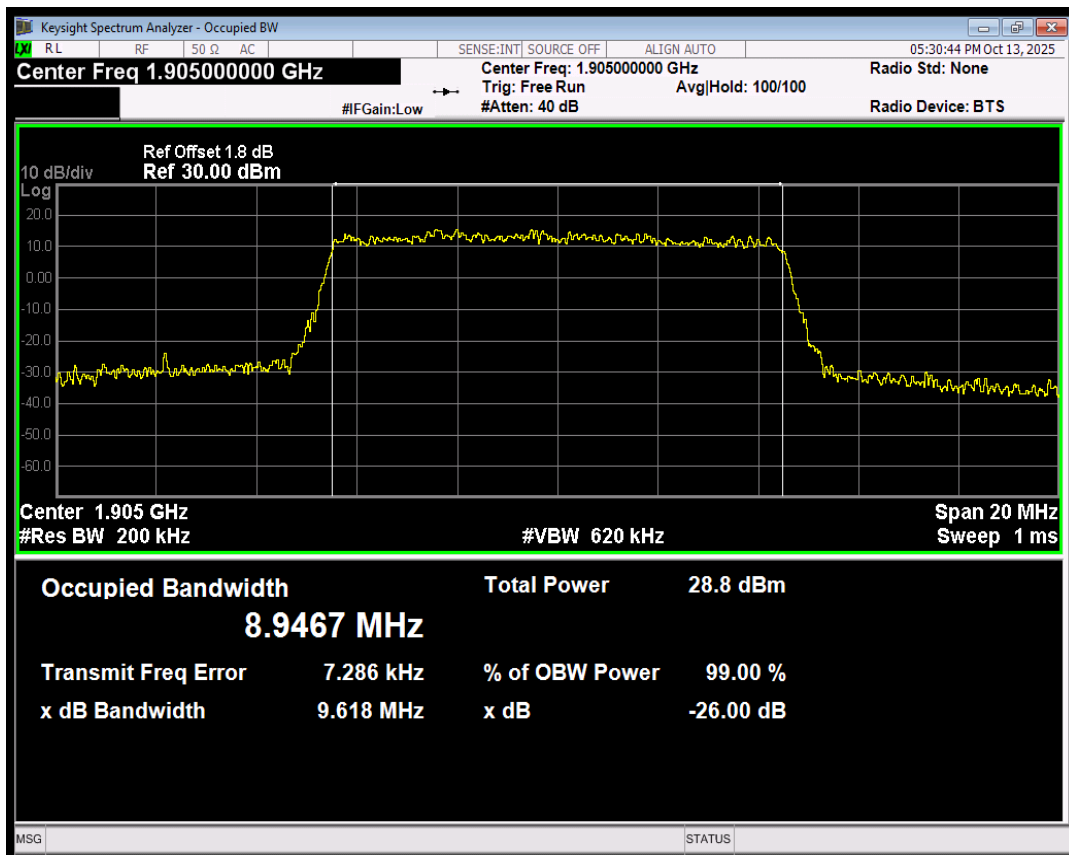
LTE Band2 QAM16 BW=10MHz Channel=18900 RB Size=50 Position=#0



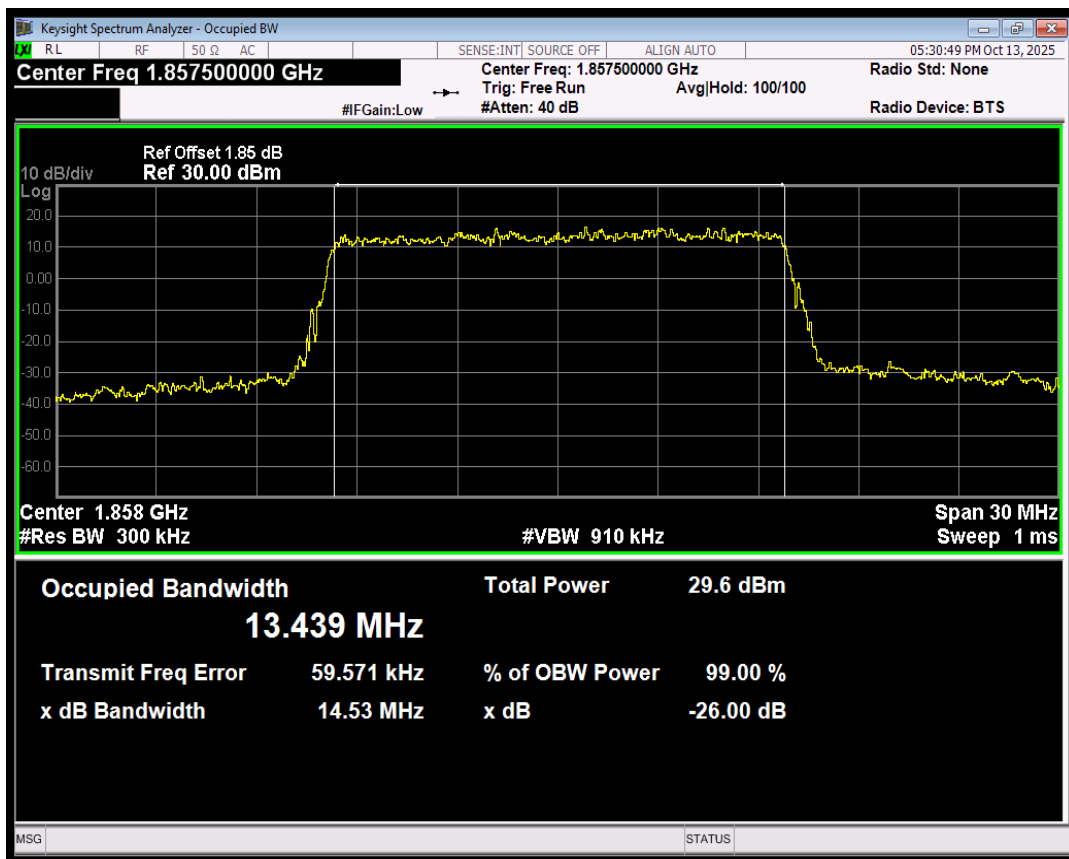
LTE Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0



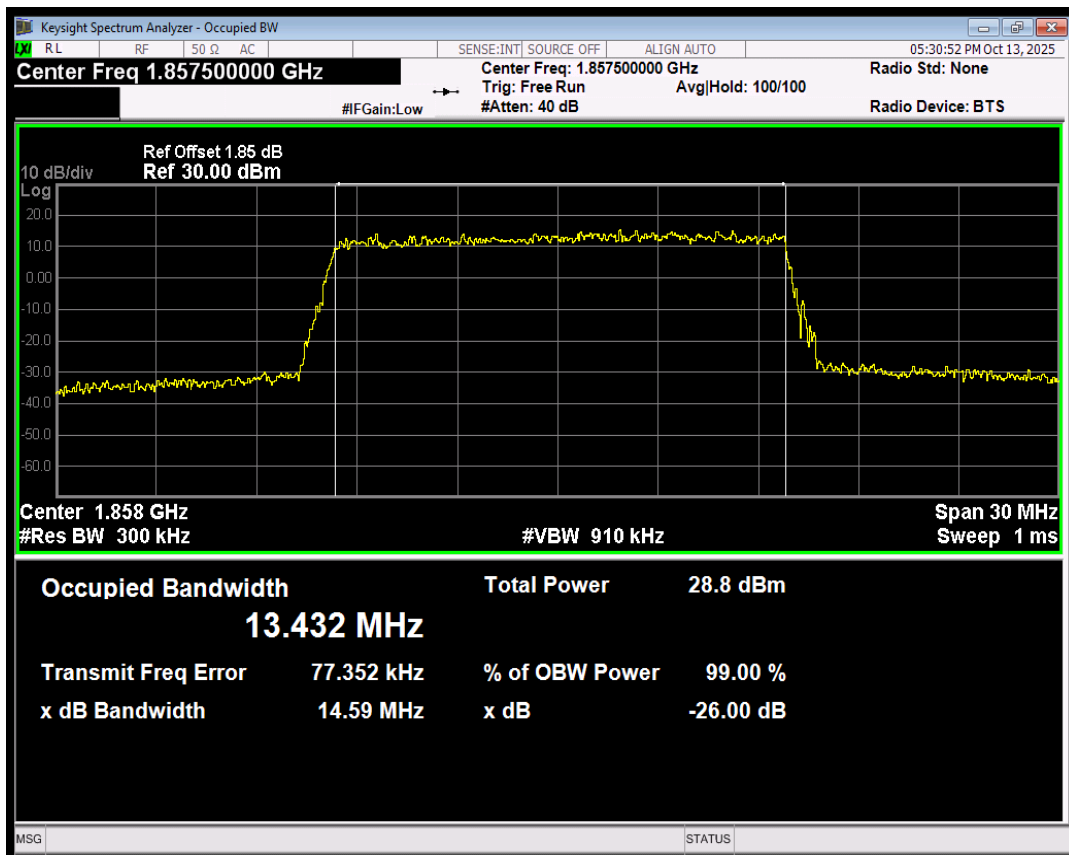
LTE Band2 QAM16 BW=10MHz Channel=19150 RB Size=50 Position=#0



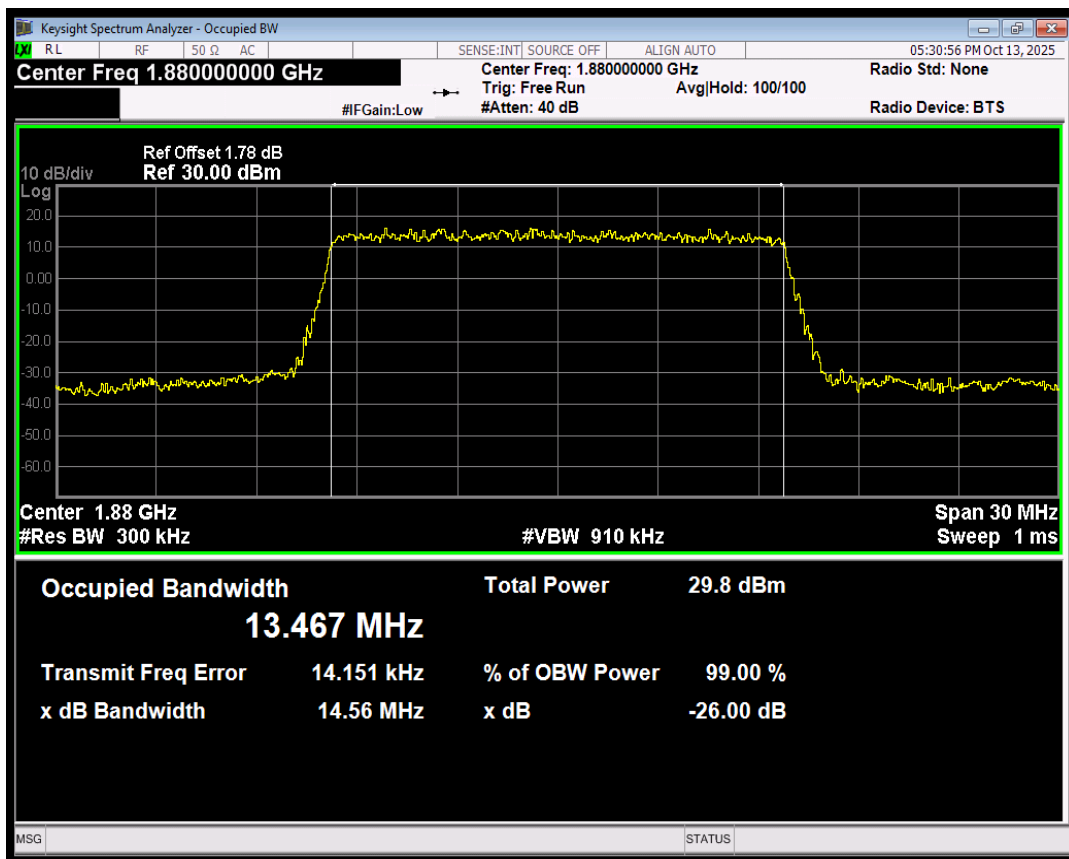
LTE Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0



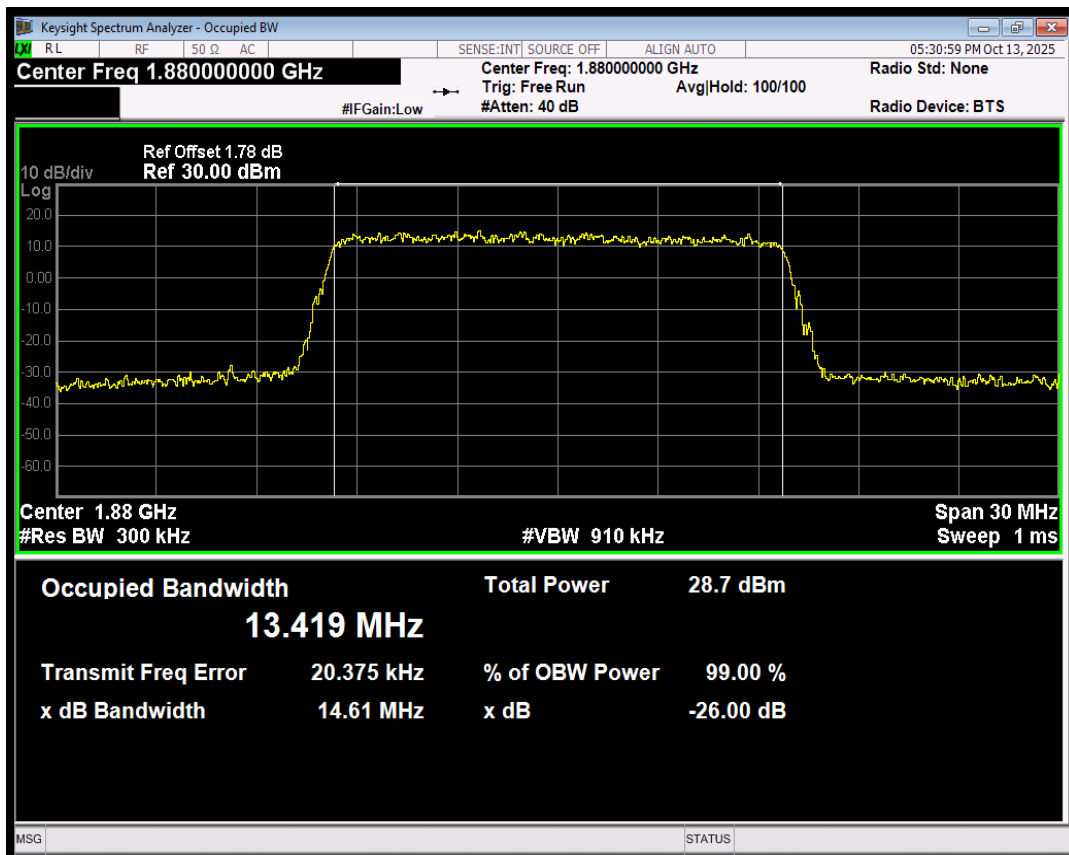
LTE Band2 QAM16 BW=15MHz Channel=18675 RB Size=75 Position=#0



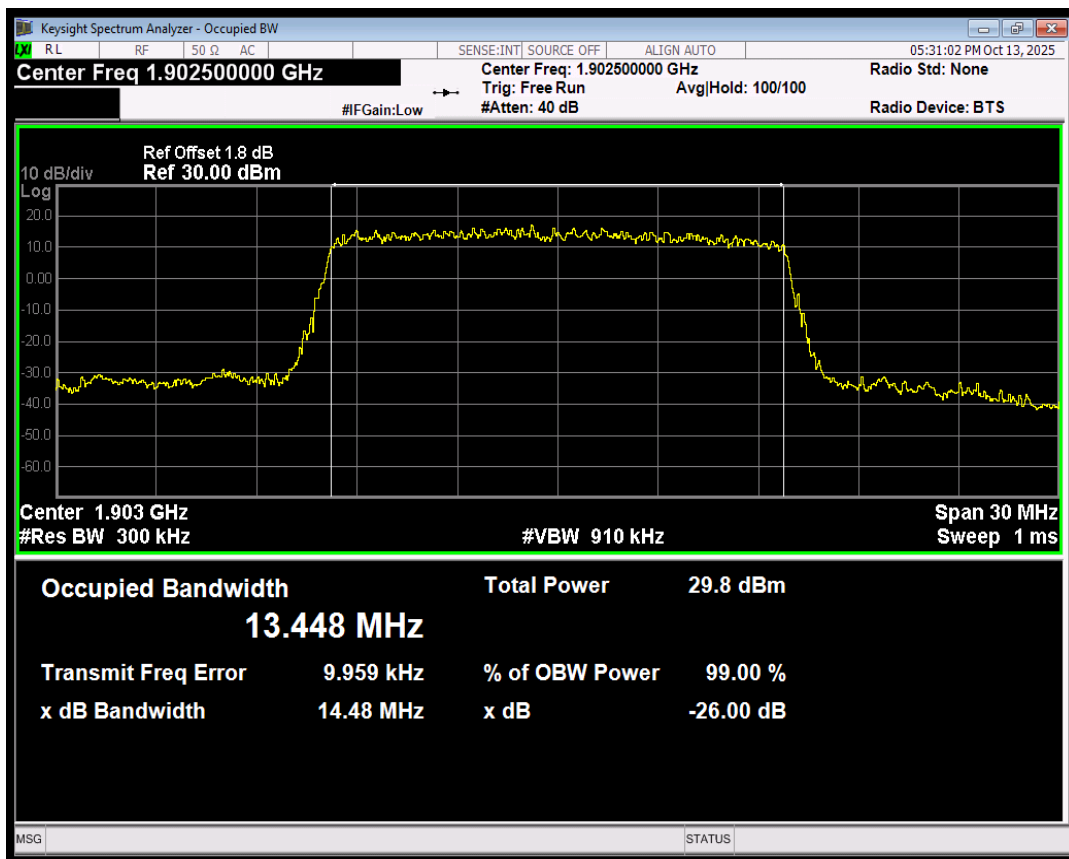
LTE Band2 QPSK BW=15MHz Channel=18900 RB Size=75 Position=#0



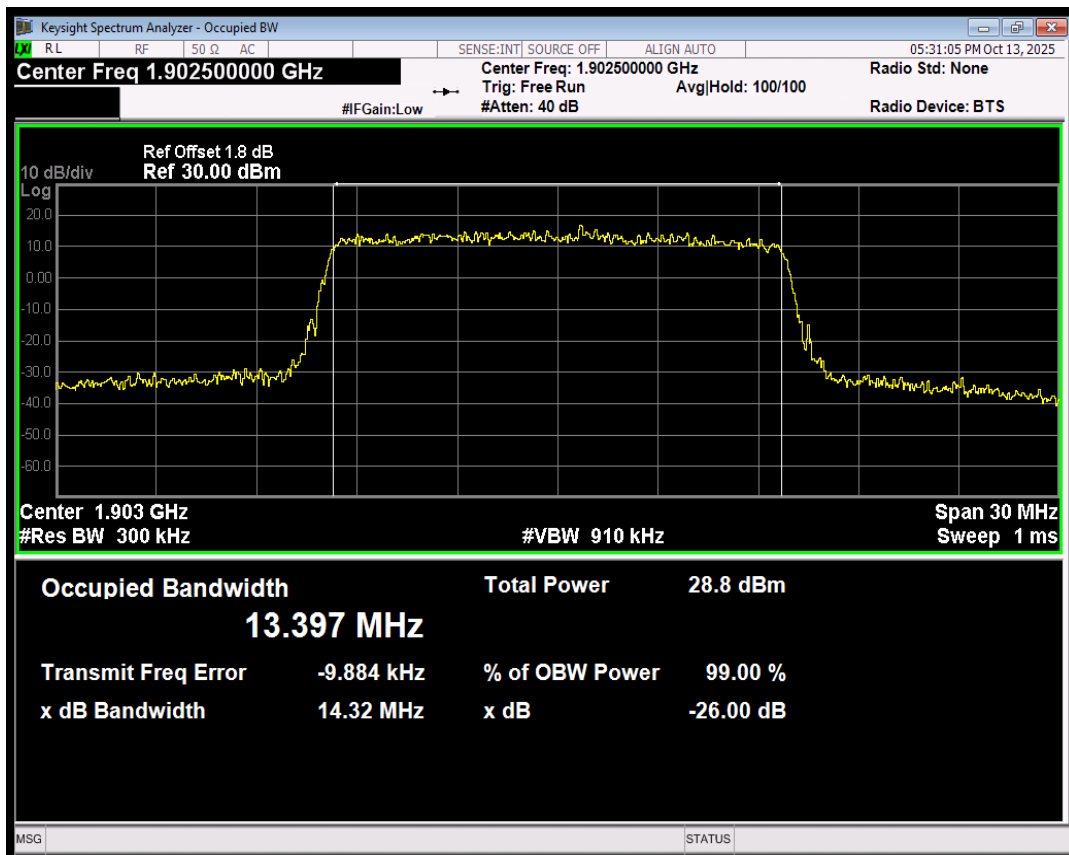
LTE Band2 QAM16 BW=15MHz Channel=18900 RB Size=75 Position=#0



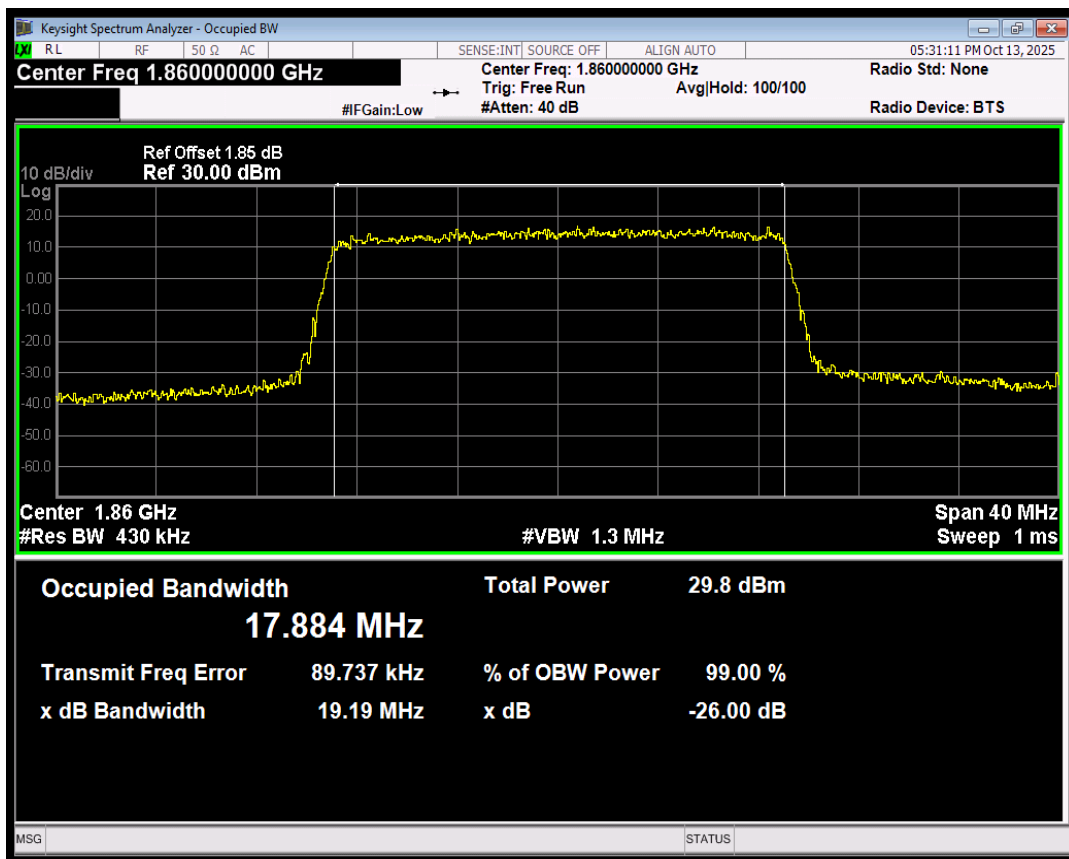
LTE Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0



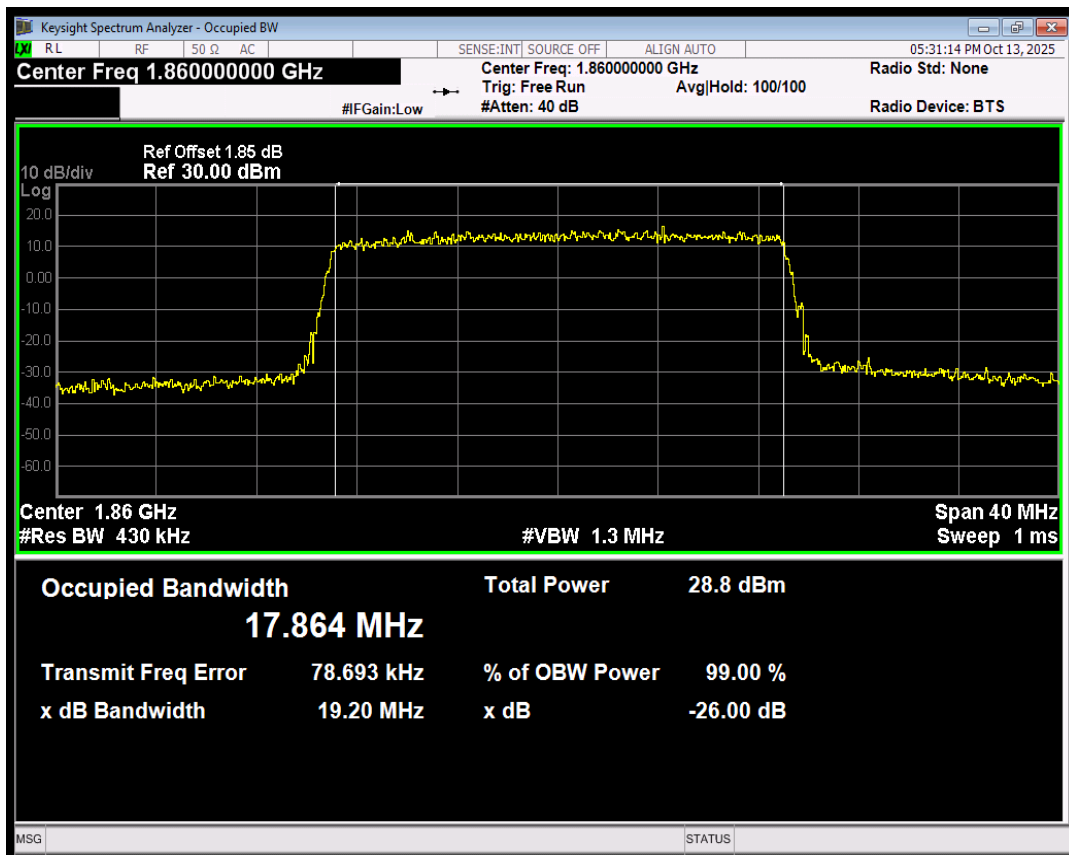
LTE Band2 QAM16 BW=15MHz Channel=19125 RB Size=75 Position=#0



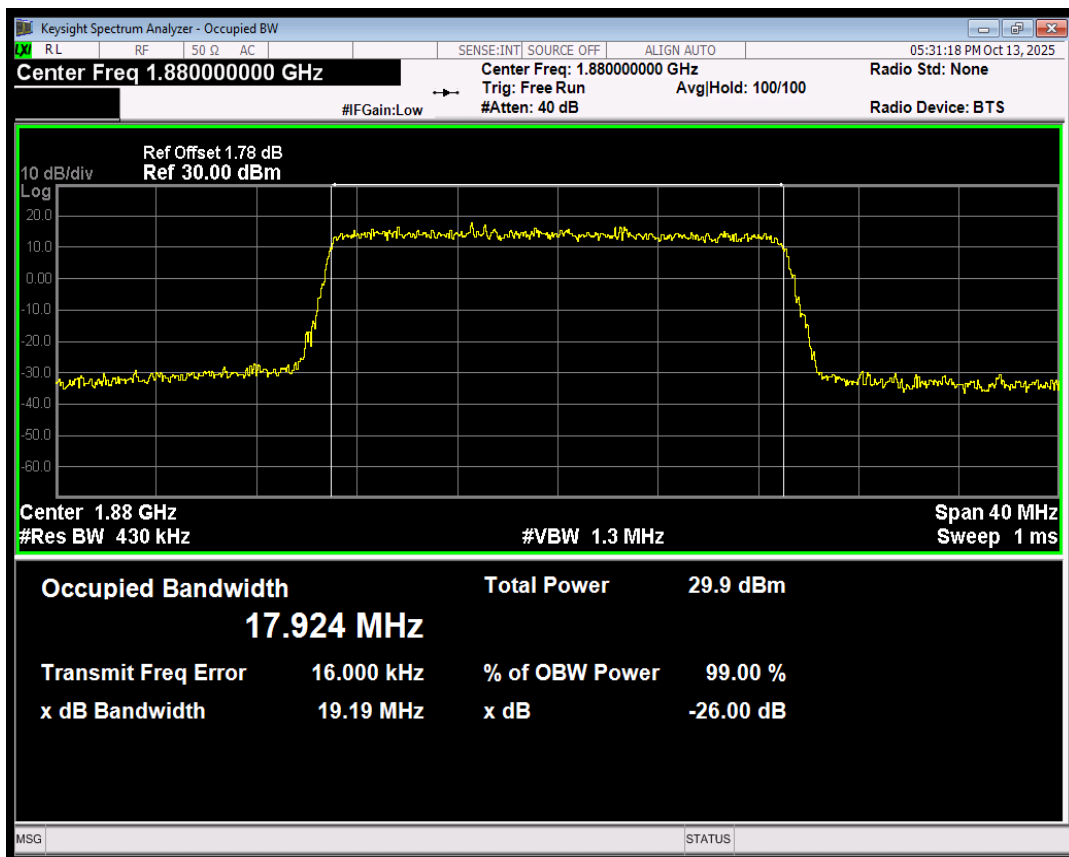
LTE Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0



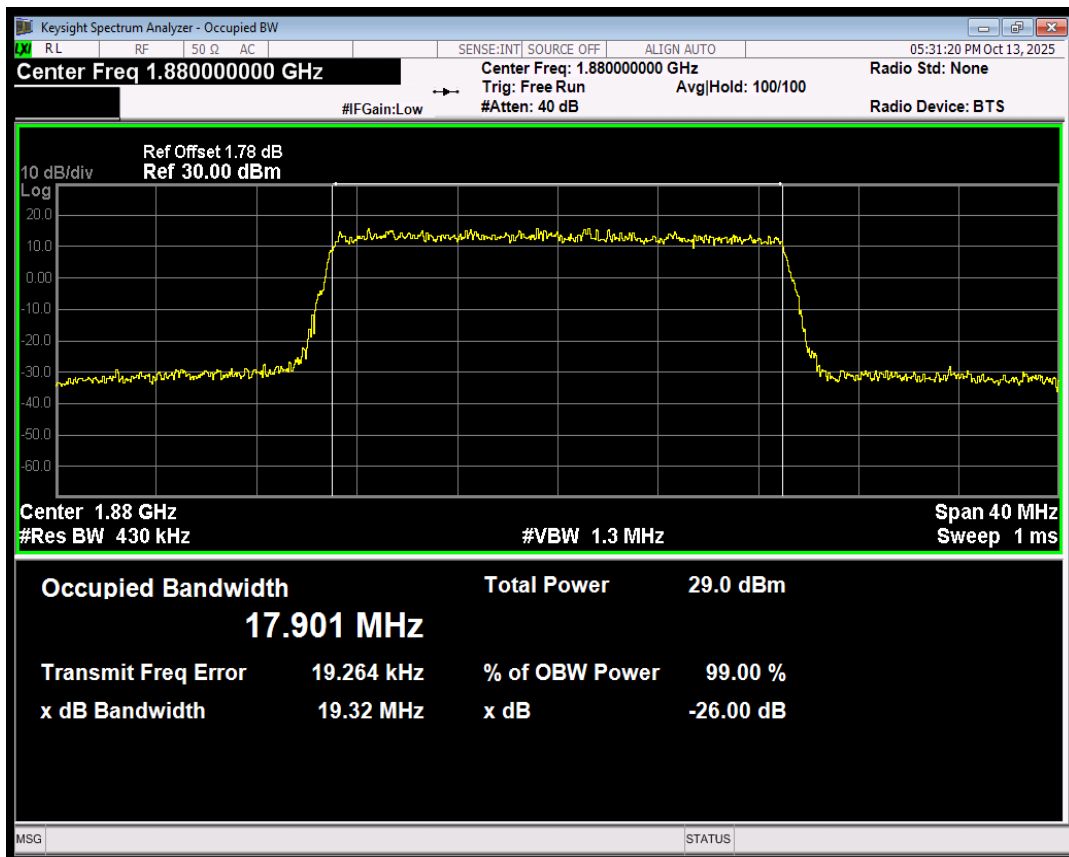
LTE Band2 QAM16 BW=20MHz Channel=18700 RB Size=100 Position=#0



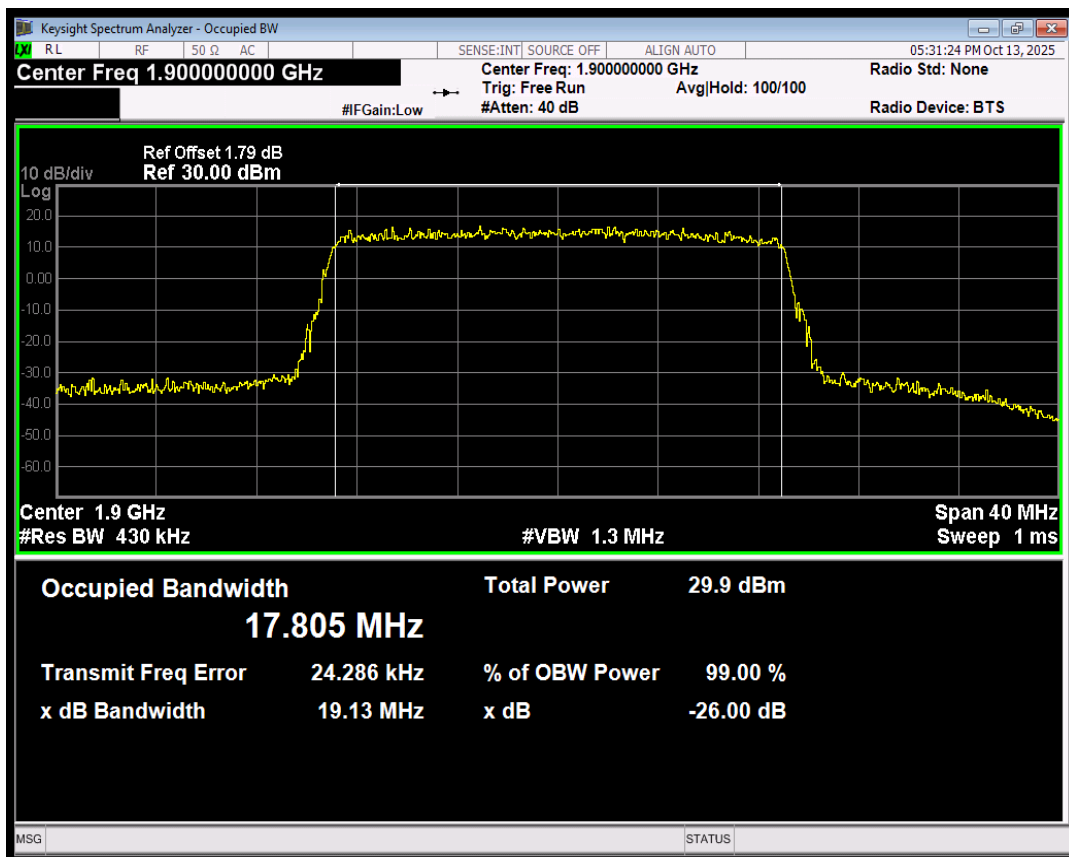
LTE Band2 QPSK BW=20MHz Channel=18900 RB Size=100 Position=#0



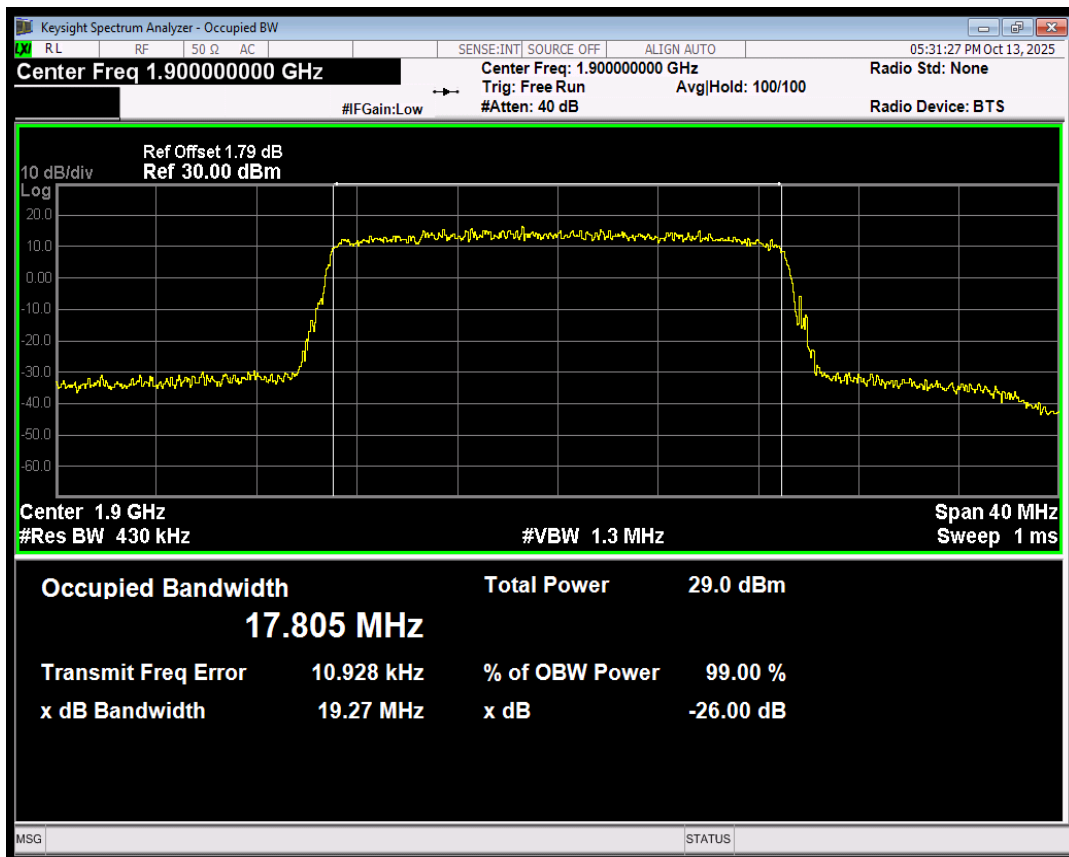
LTE Band2 QAM16 BW=20MHz Channel=18900 RB Size=100 Position=#0



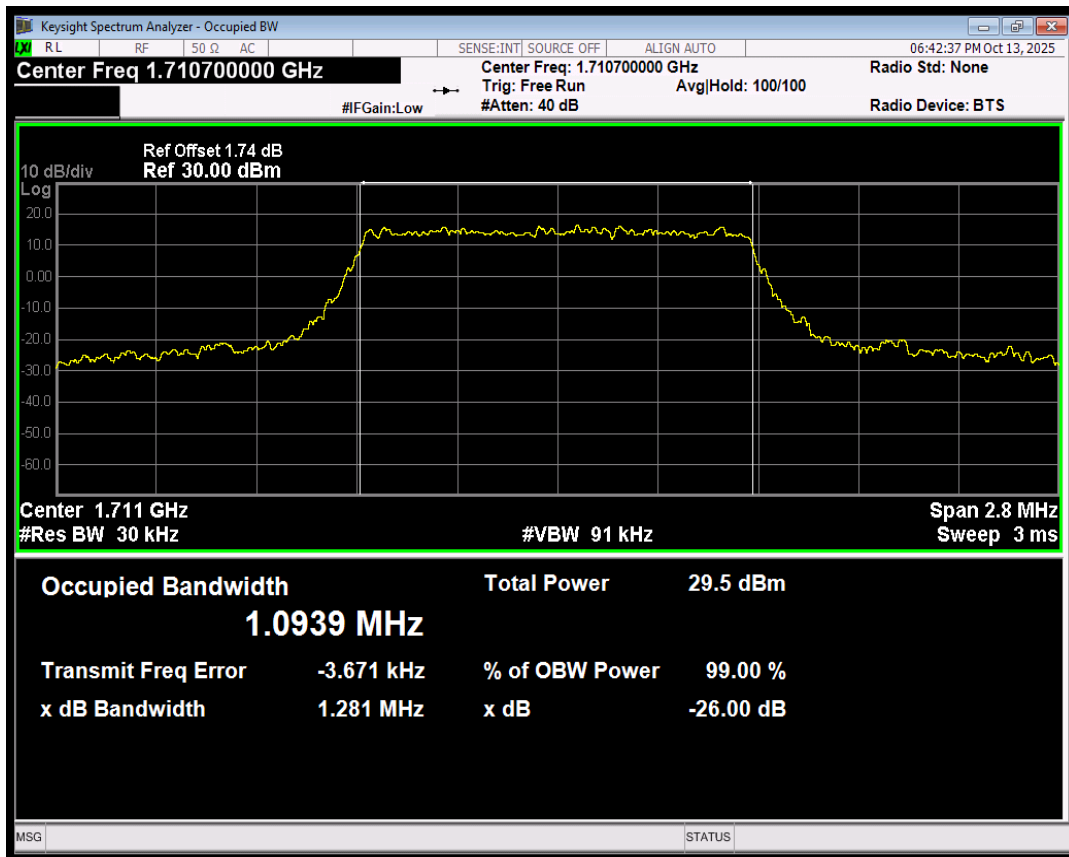
LTE Band2 QPSK BW=20MHz Channel=19100 RB Size=100 Position=#0



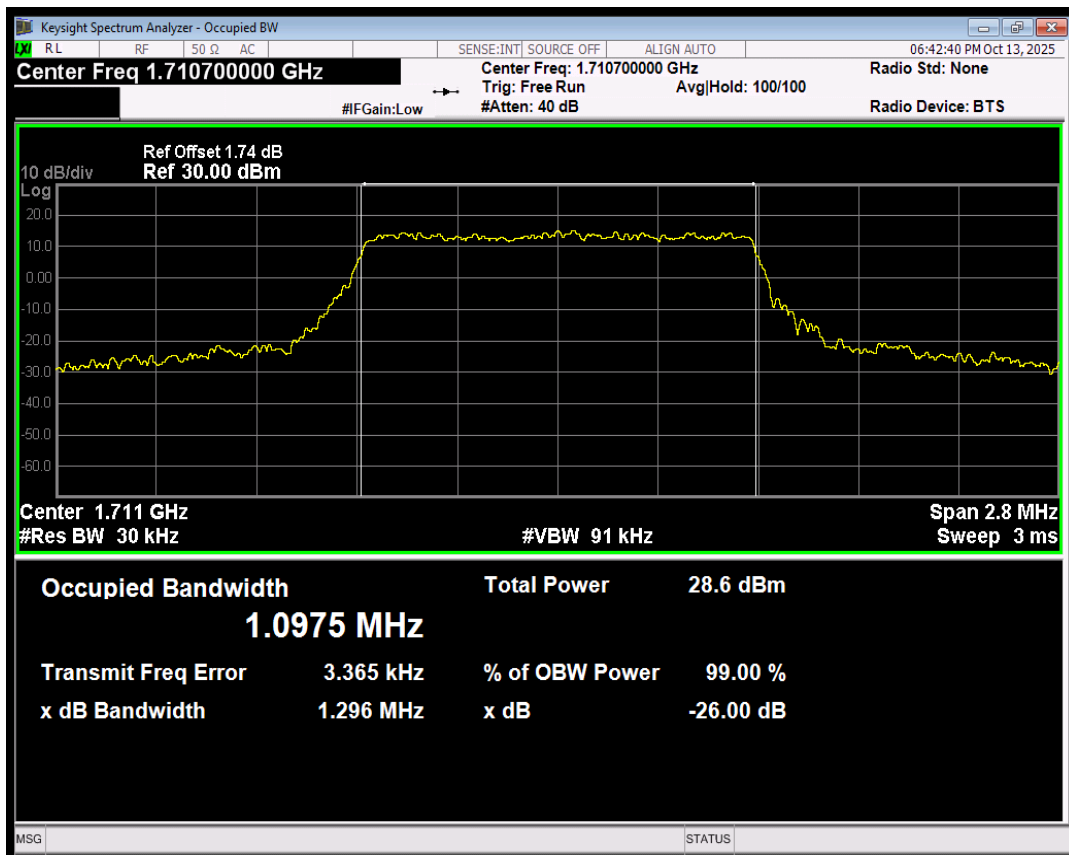
LTE Band2 QAM16 BW=20MHz Channel=19100 RB Size=100 Position=#0



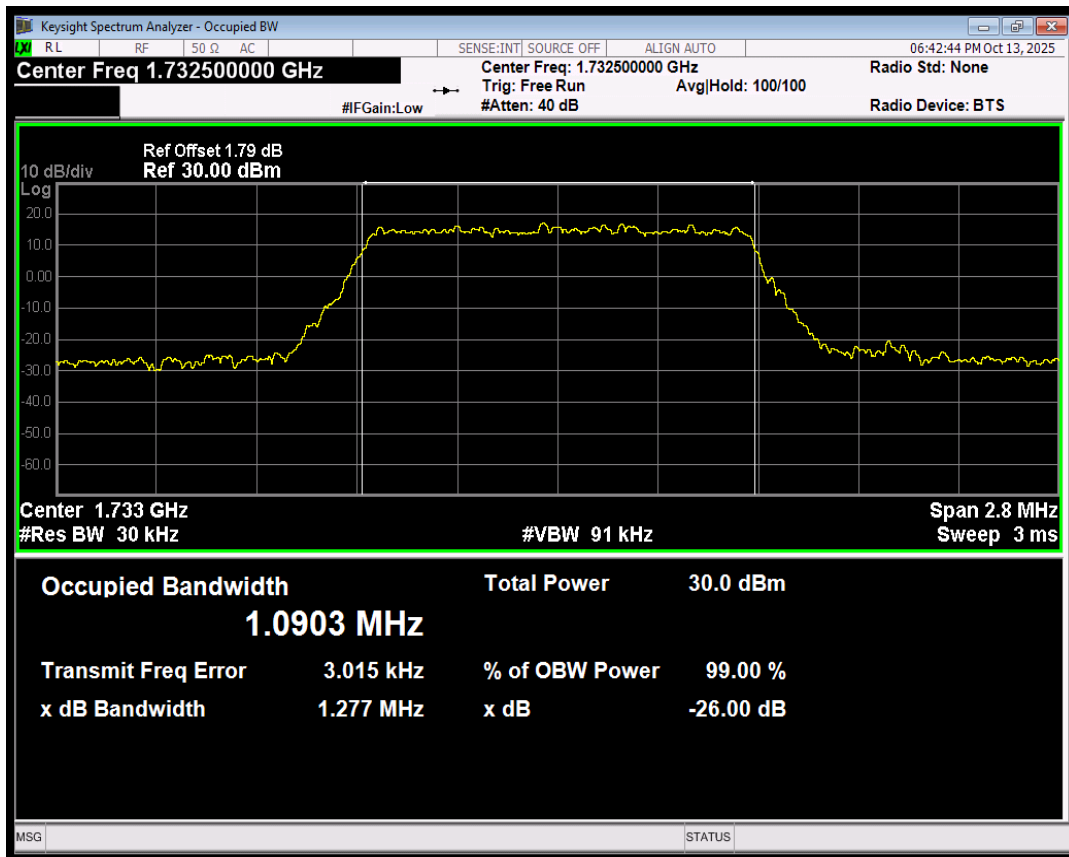
LTE Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



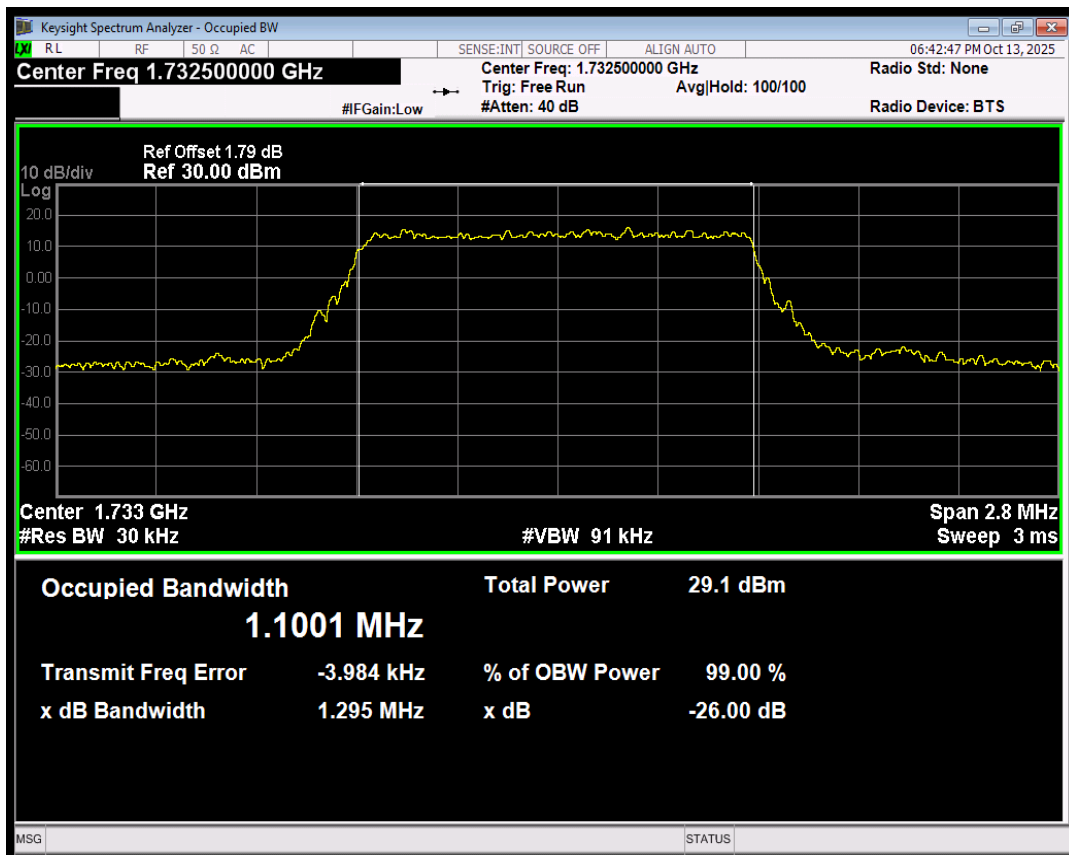
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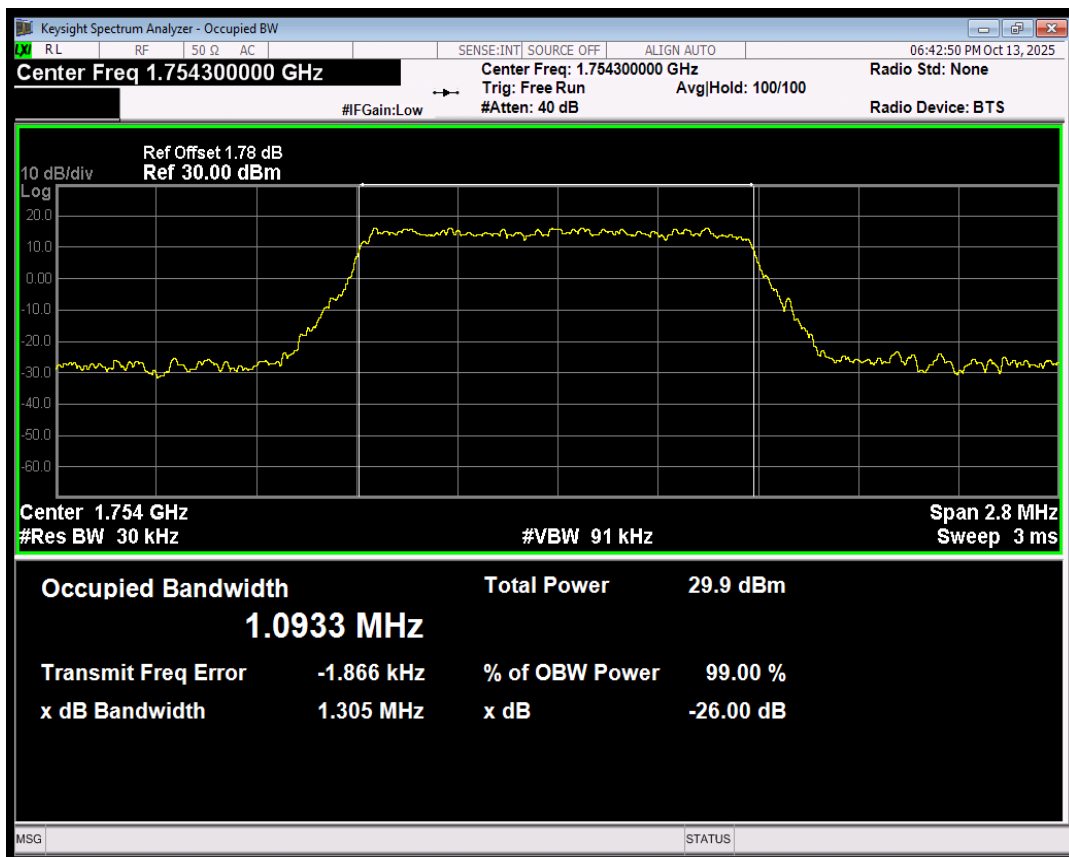
LTE Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



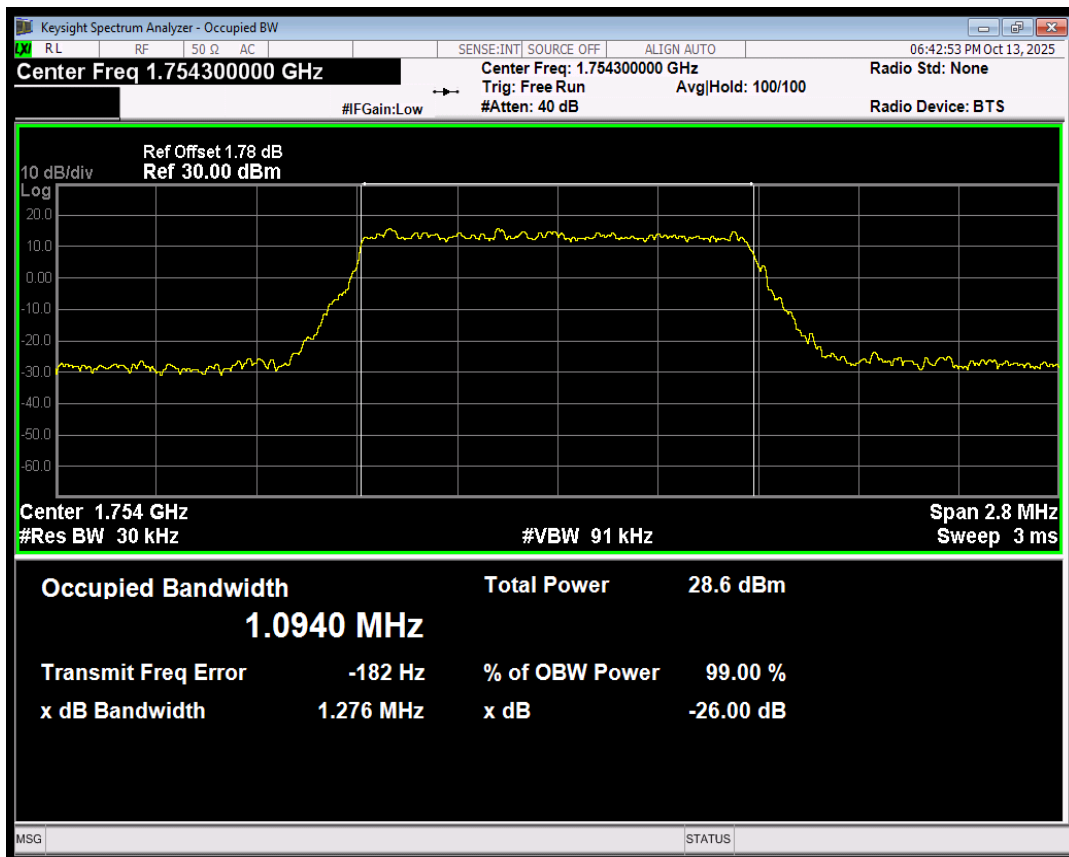
LTE Band4 QAM16 BW=1.4MHz Channel=20175 RB Size=6 Position=#0



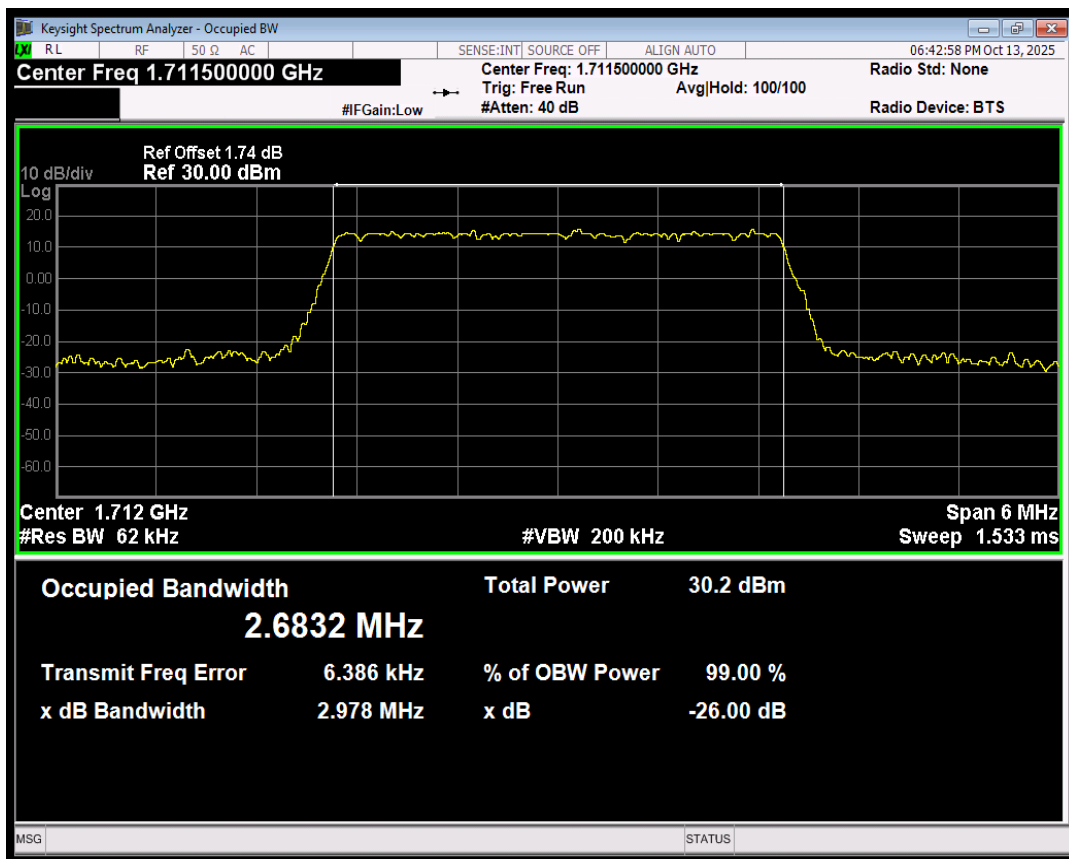
LTE Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



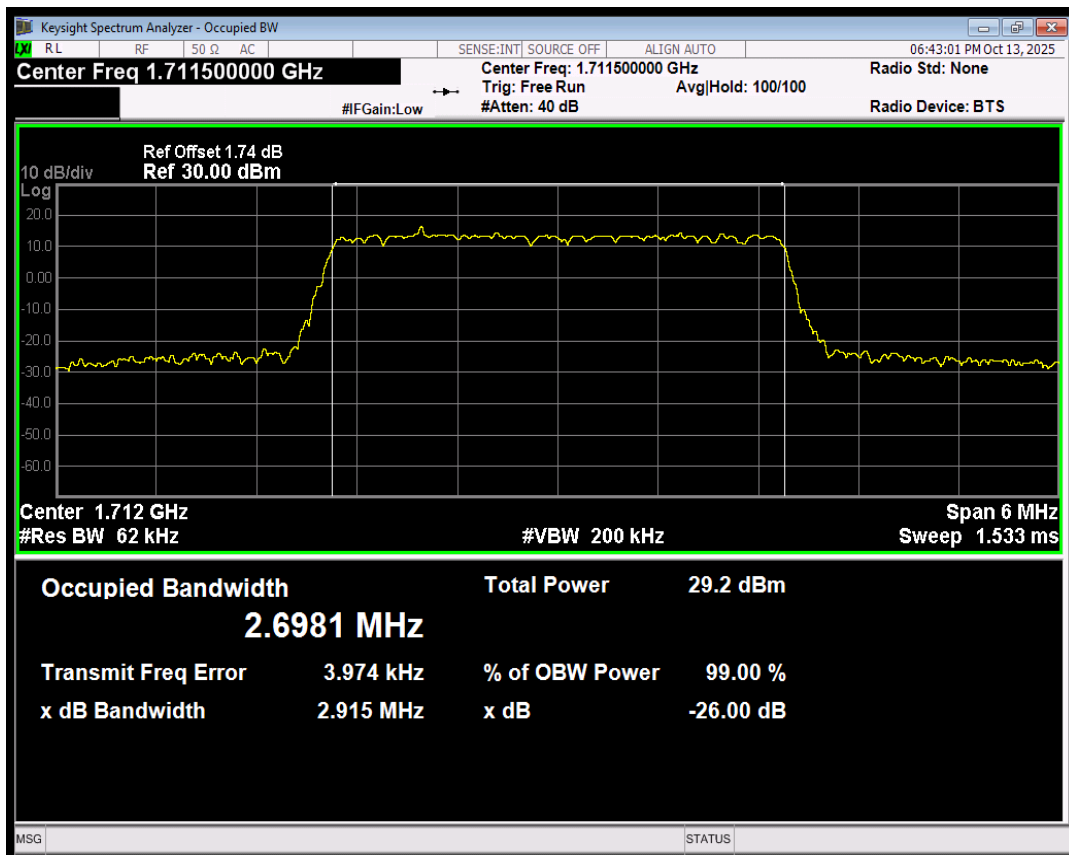
LTE Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0



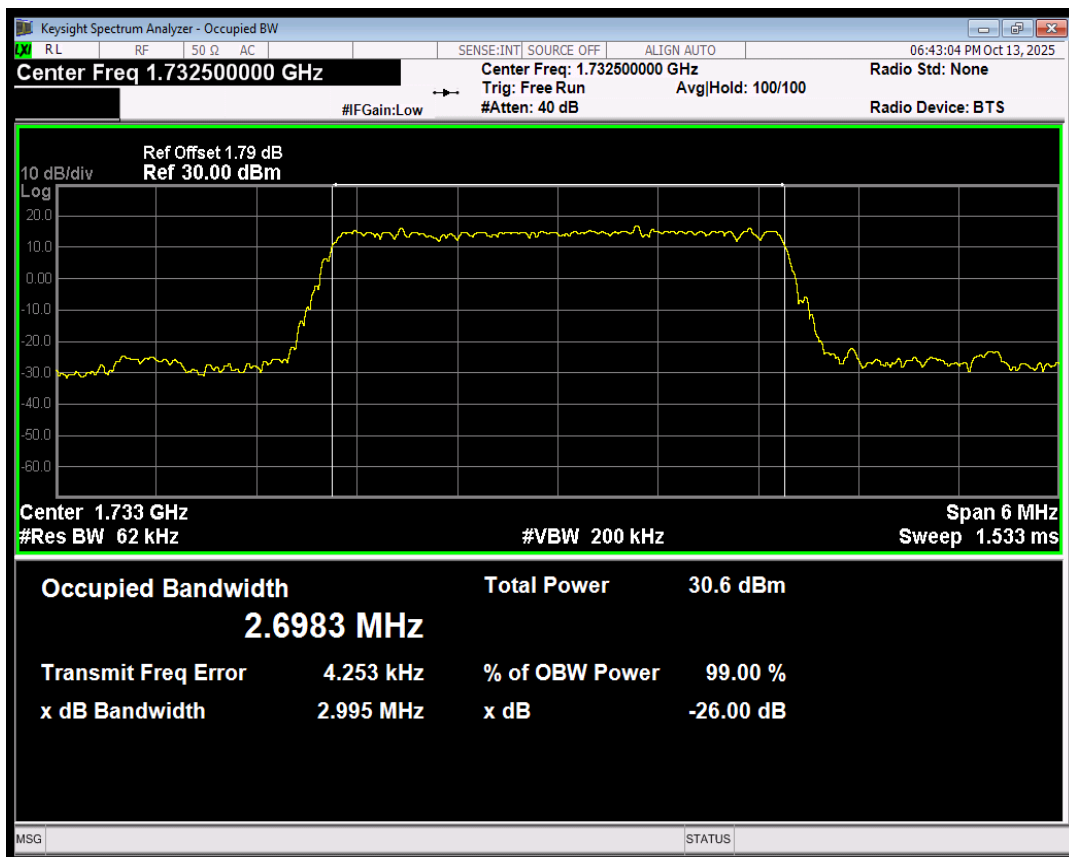
LTE Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



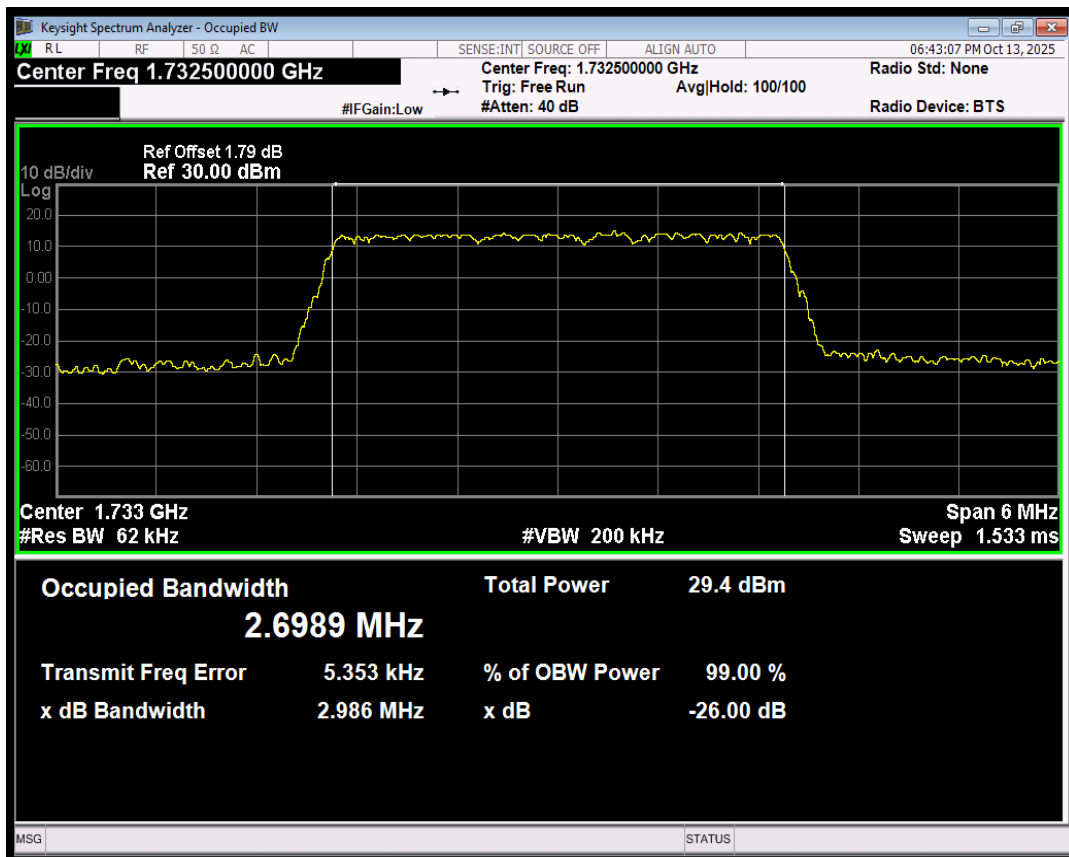
LTE Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0



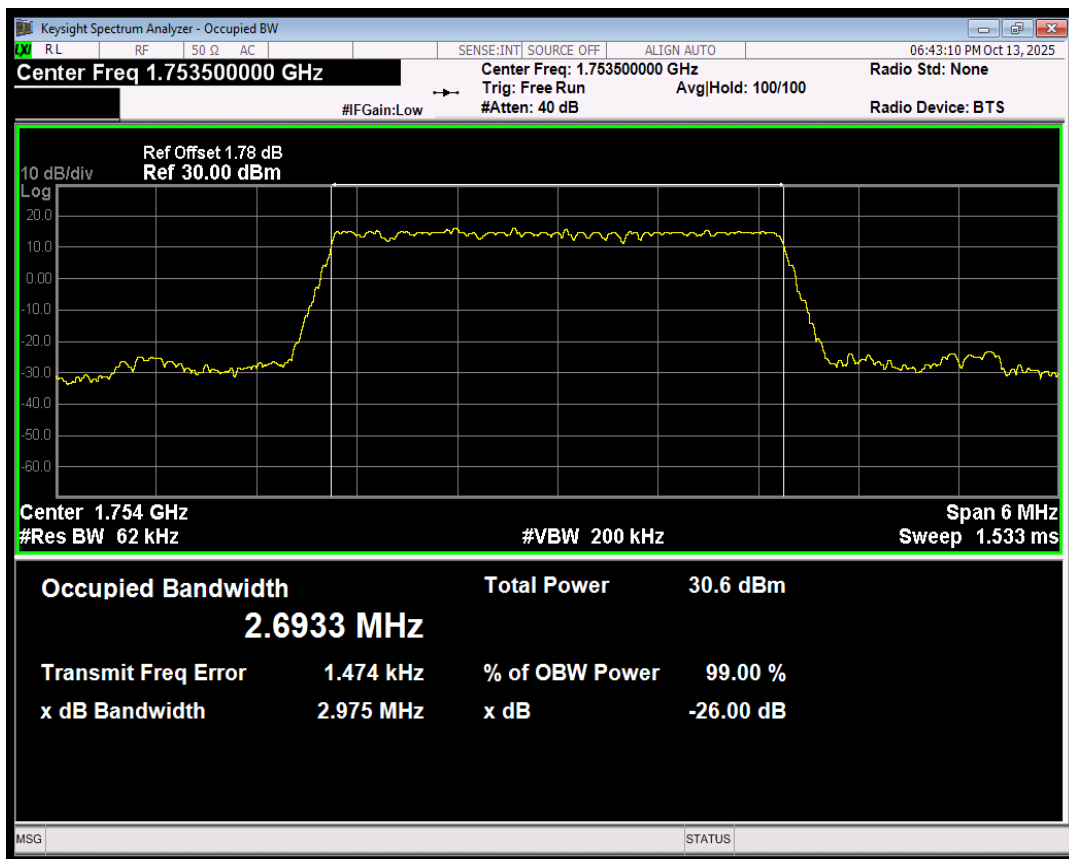
LTE Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



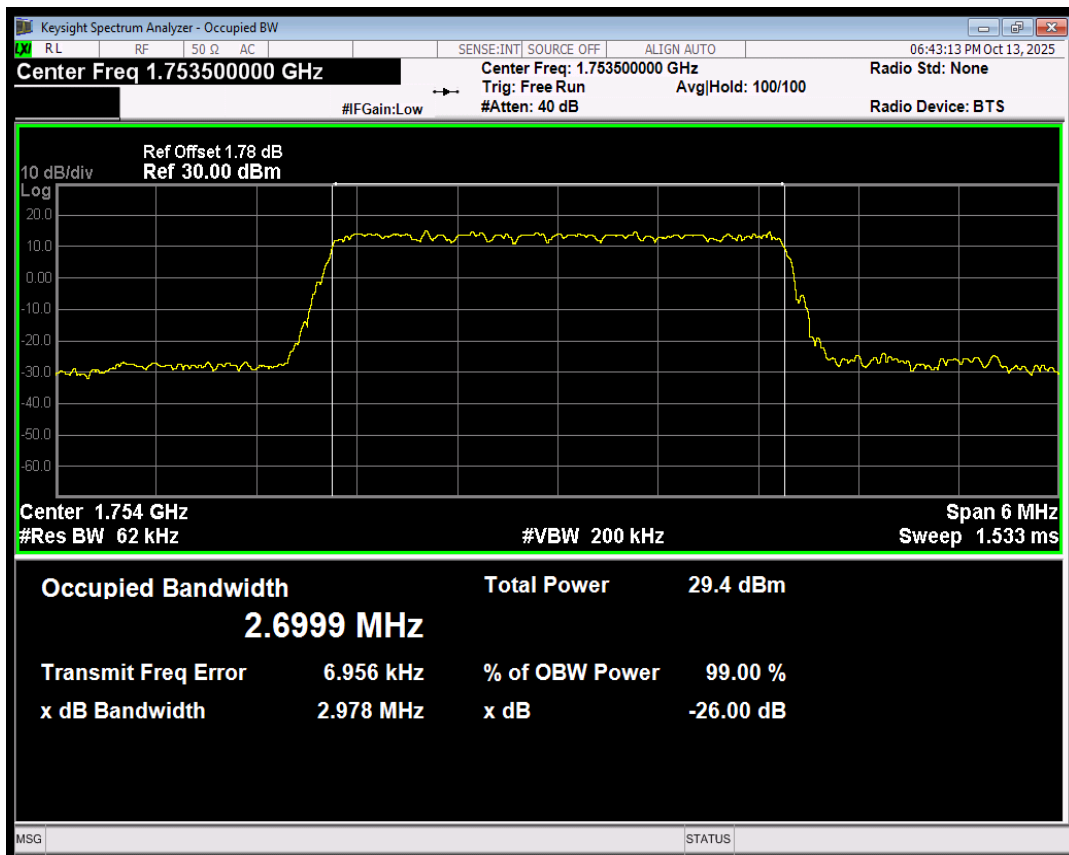
LTE Band4 QAM16 BW=3MHz Channel=20175 RB Size=15 Position=#0



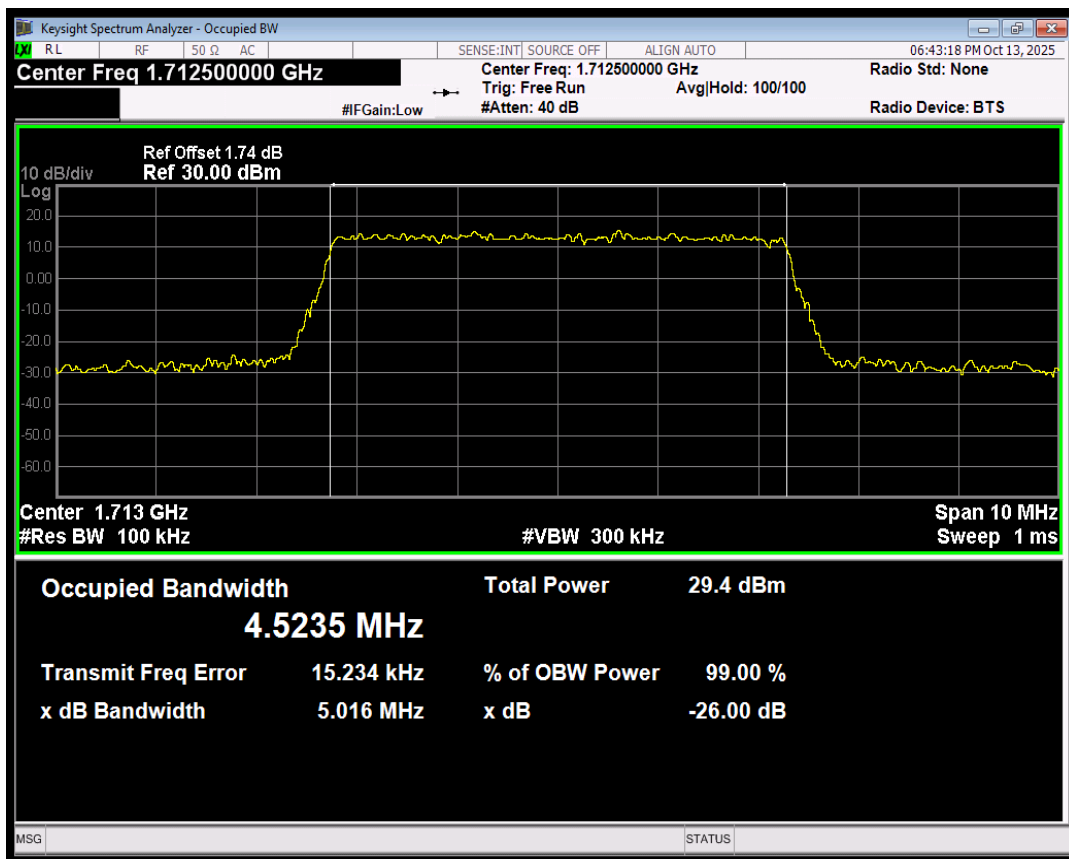
LTE Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



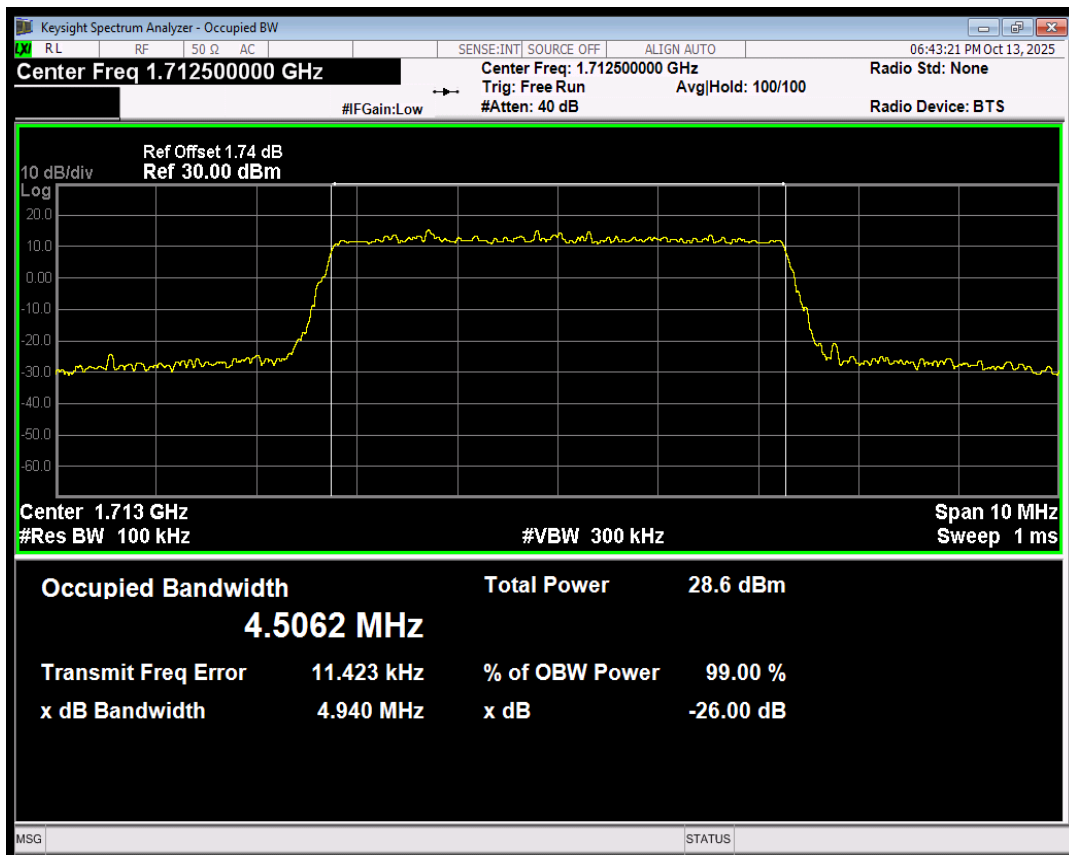
LTE Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0



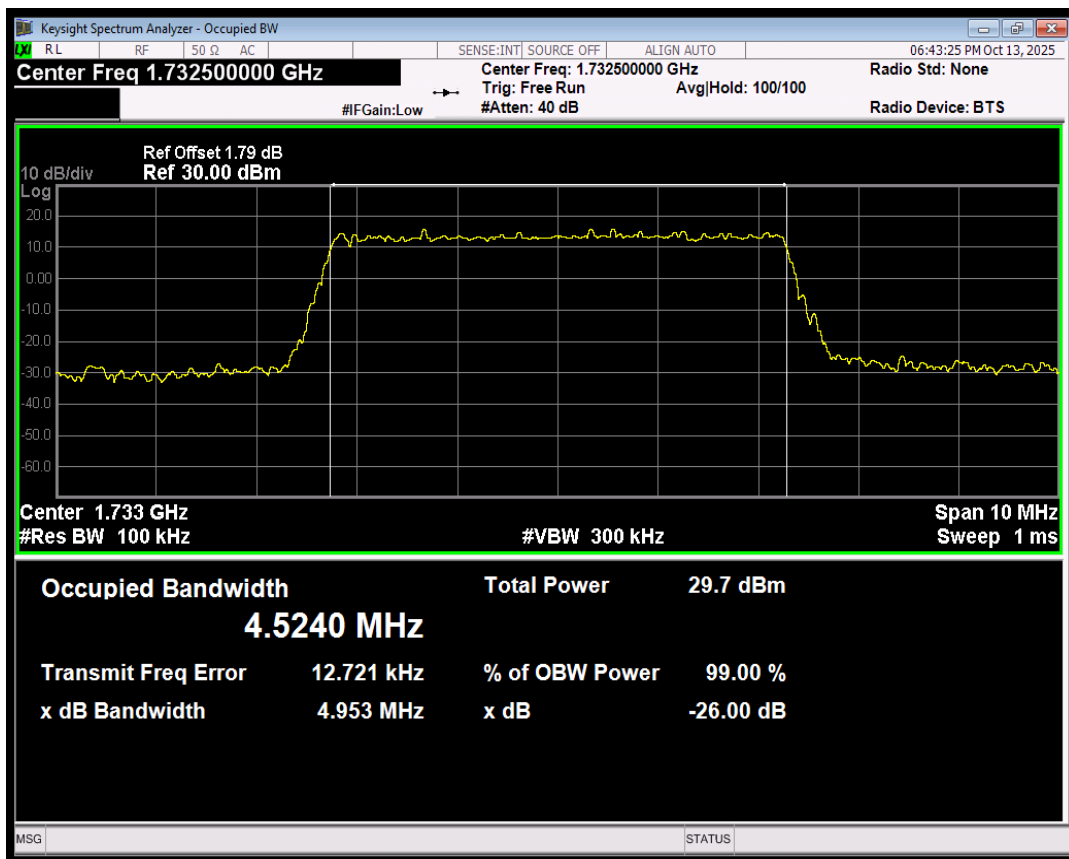
LTE Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



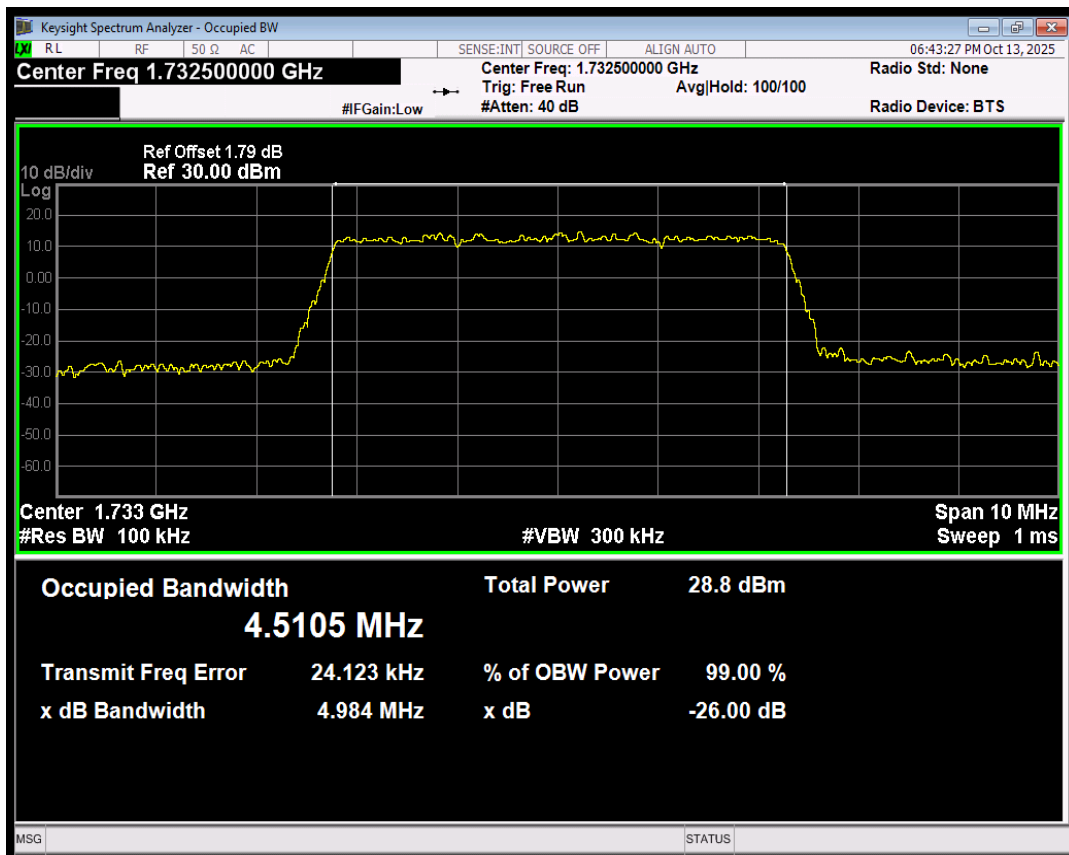
LTE Band4 QAM16 BW=5MHz Channel=19975 RB Size=25 Position=#0



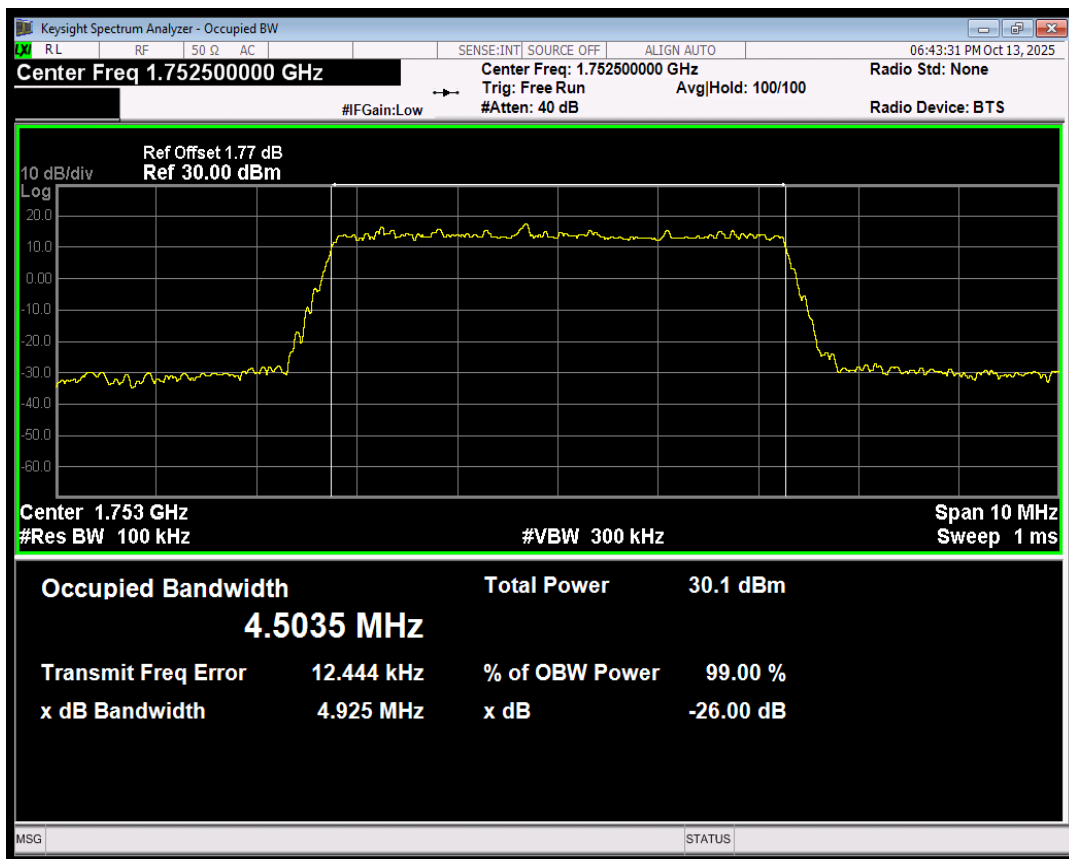
LTE Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



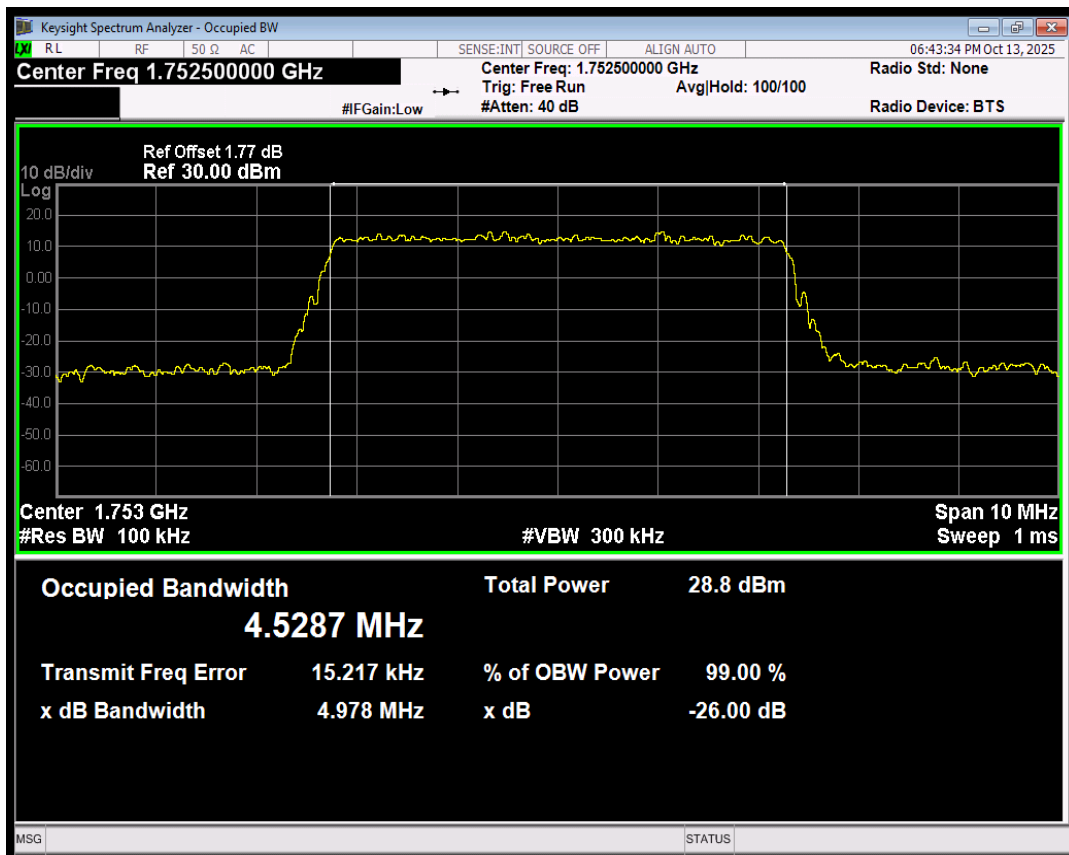
LTE Band4 QAM16 BW=5MHz Channel=20175 RB Size=25 Position=#0



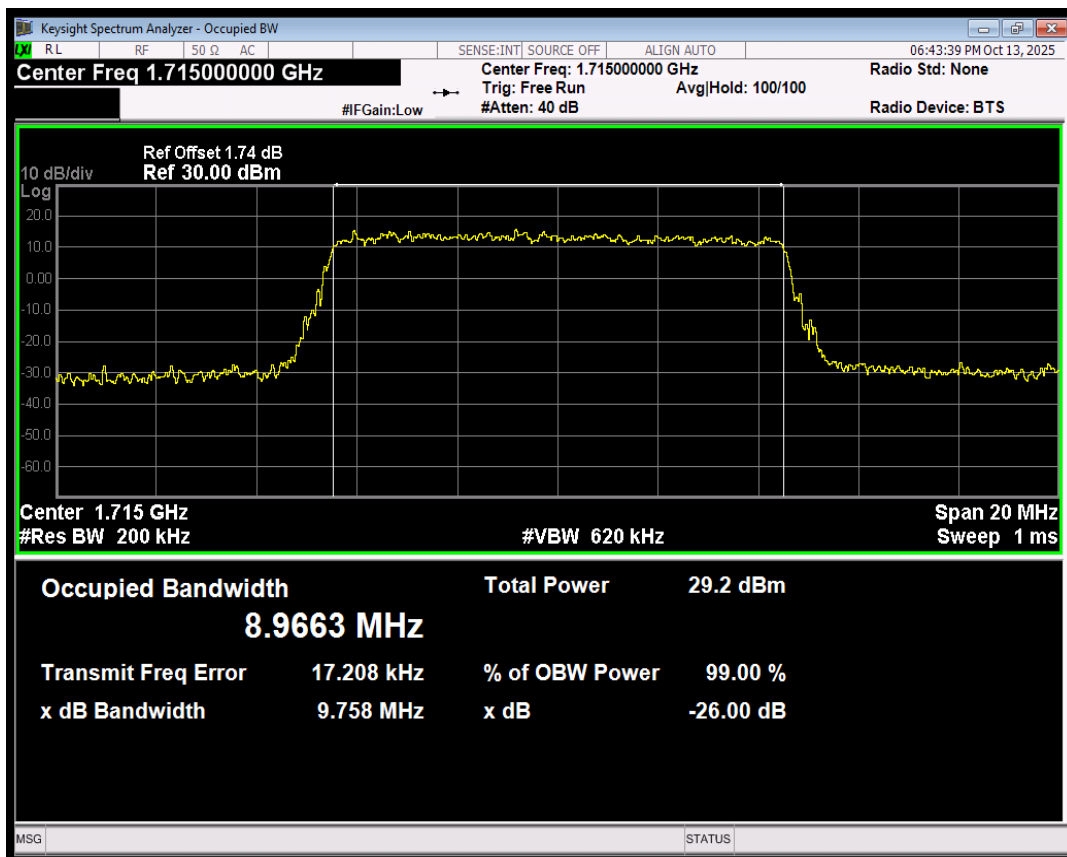
LTE Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



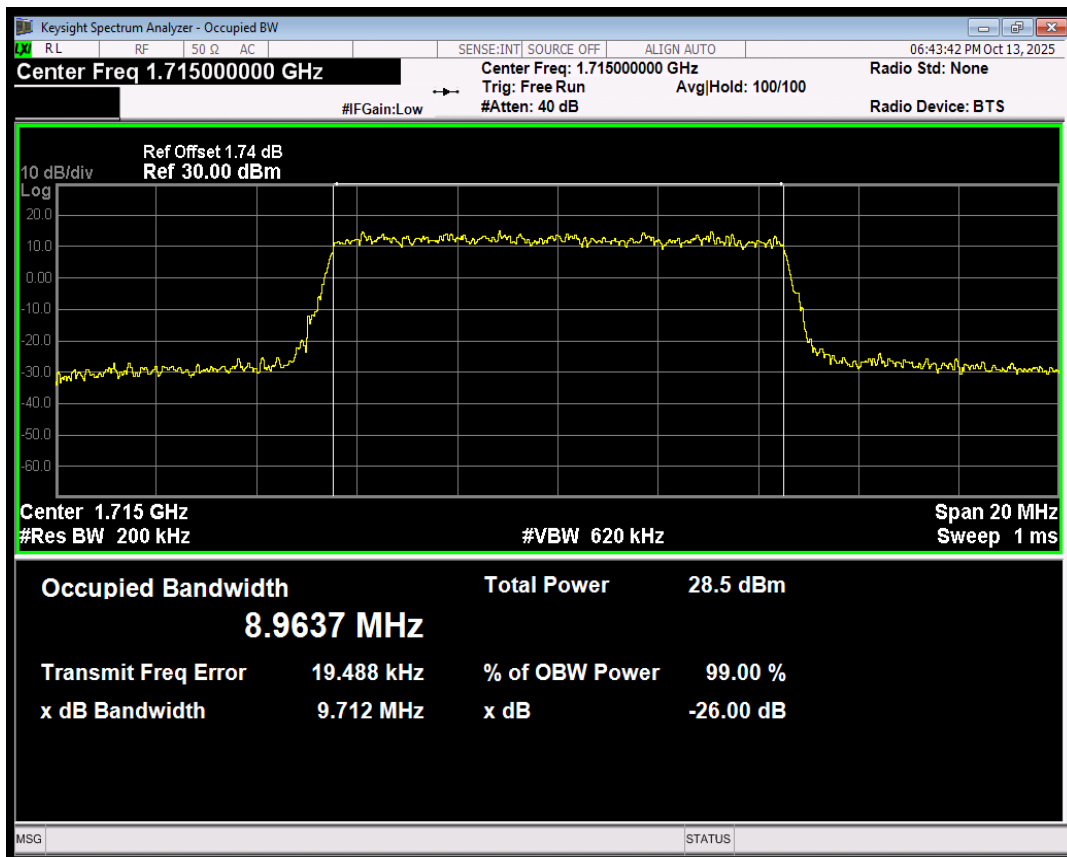
LTE Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0



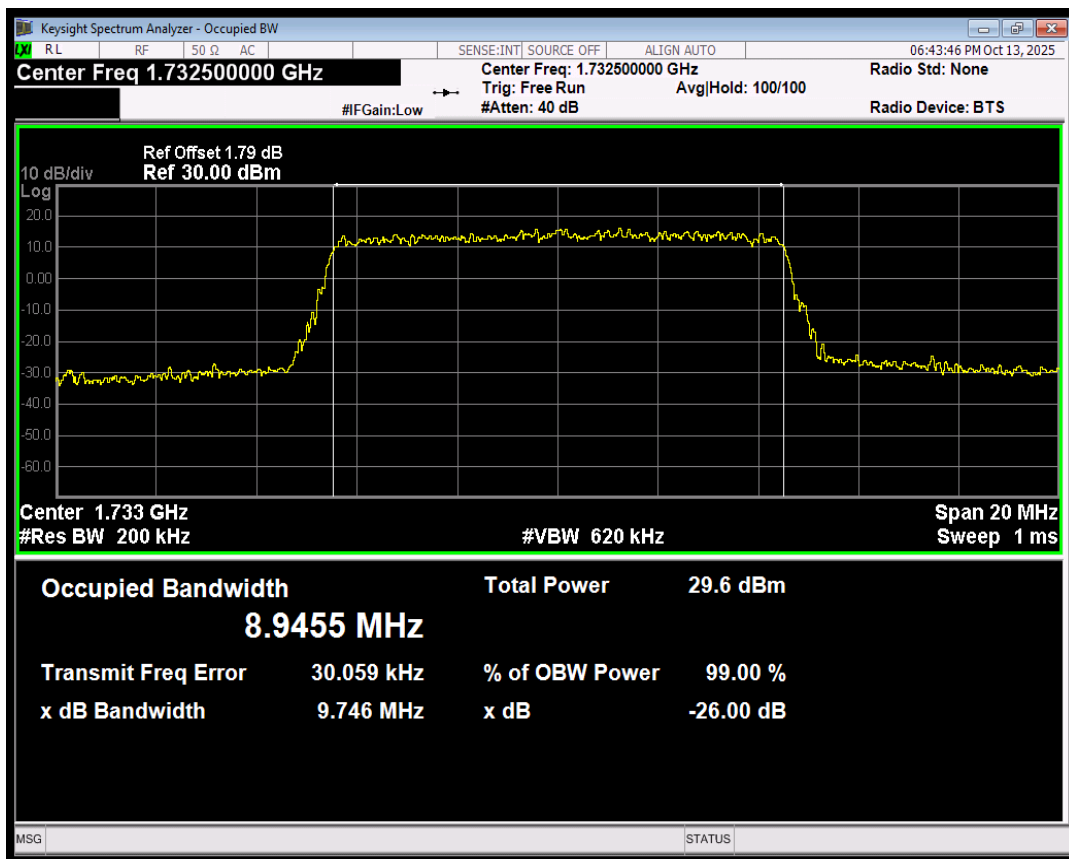
LTE Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



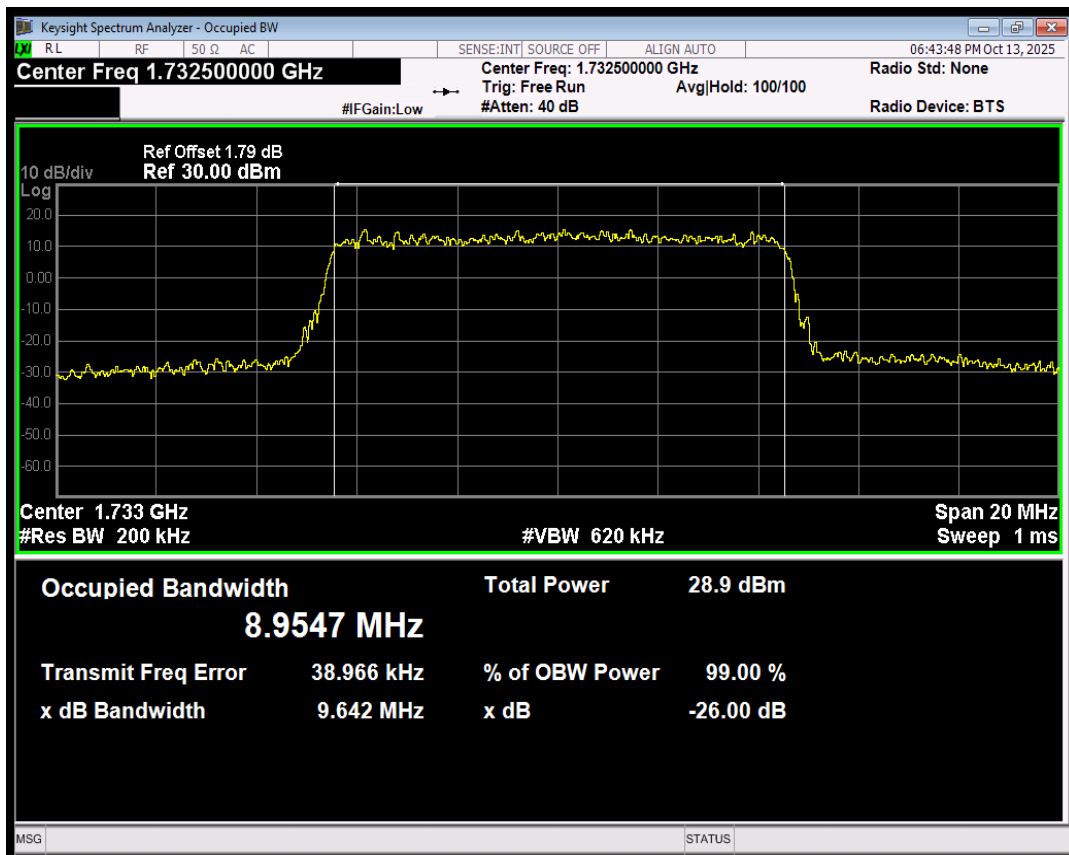
LTE Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0



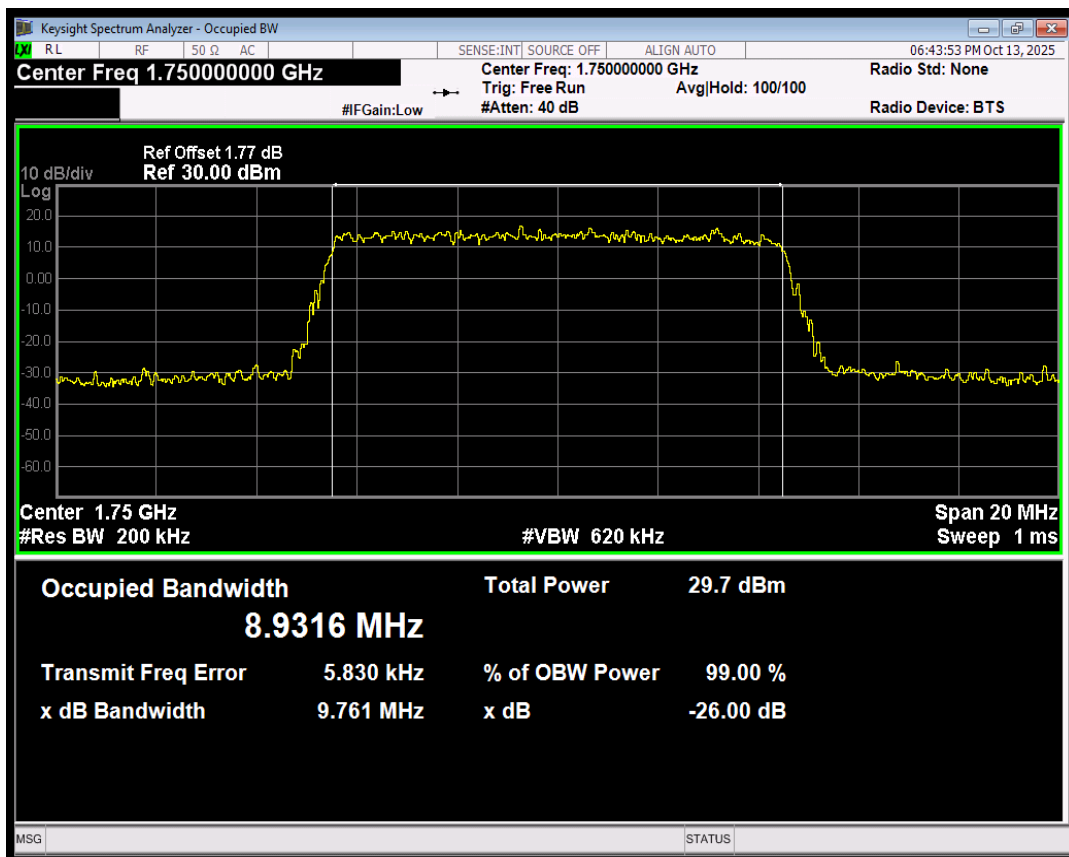
LTE Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



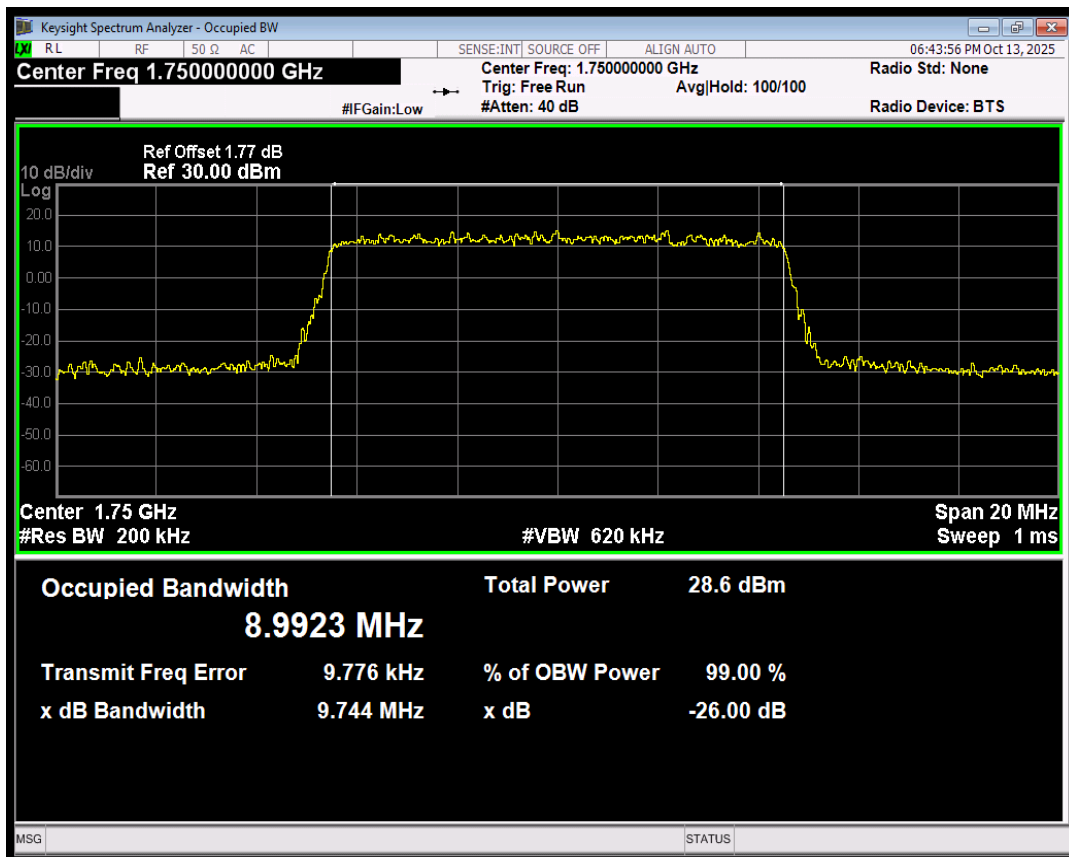
LTE Band4 QAM16 BW=10MHz Channel=20175 RB Size=50 Position=#0



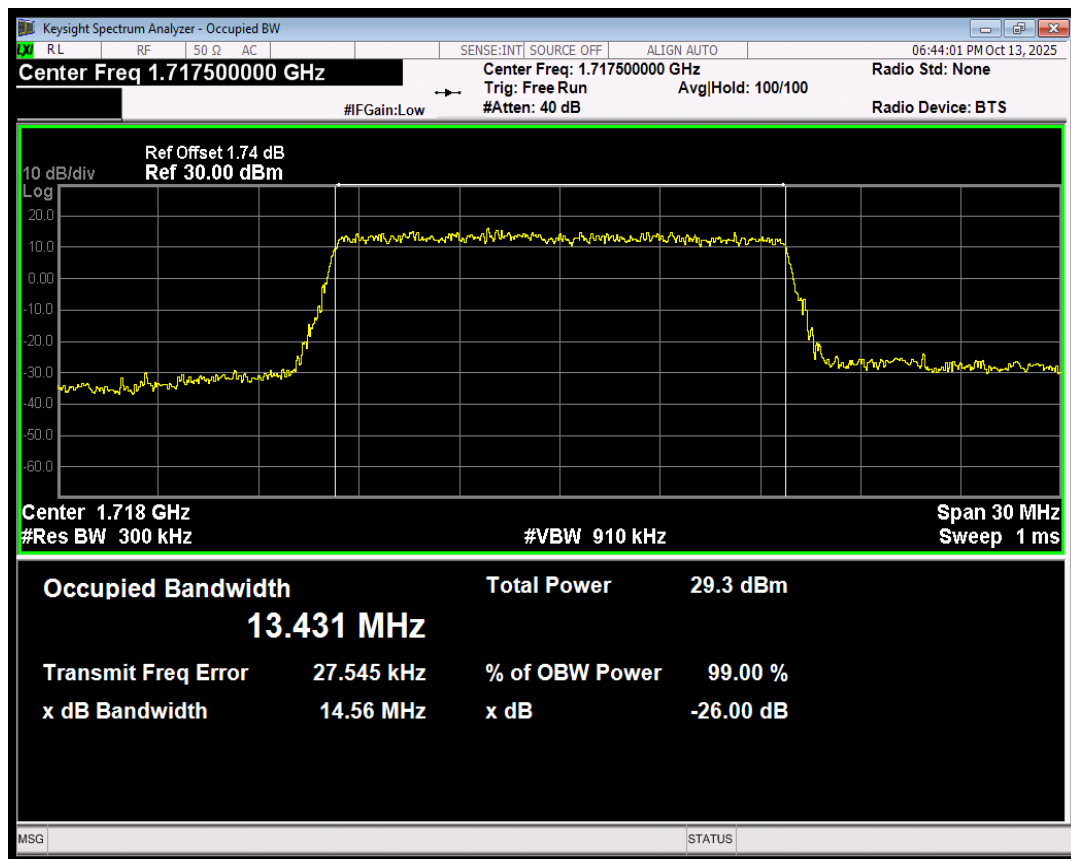
LTE Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



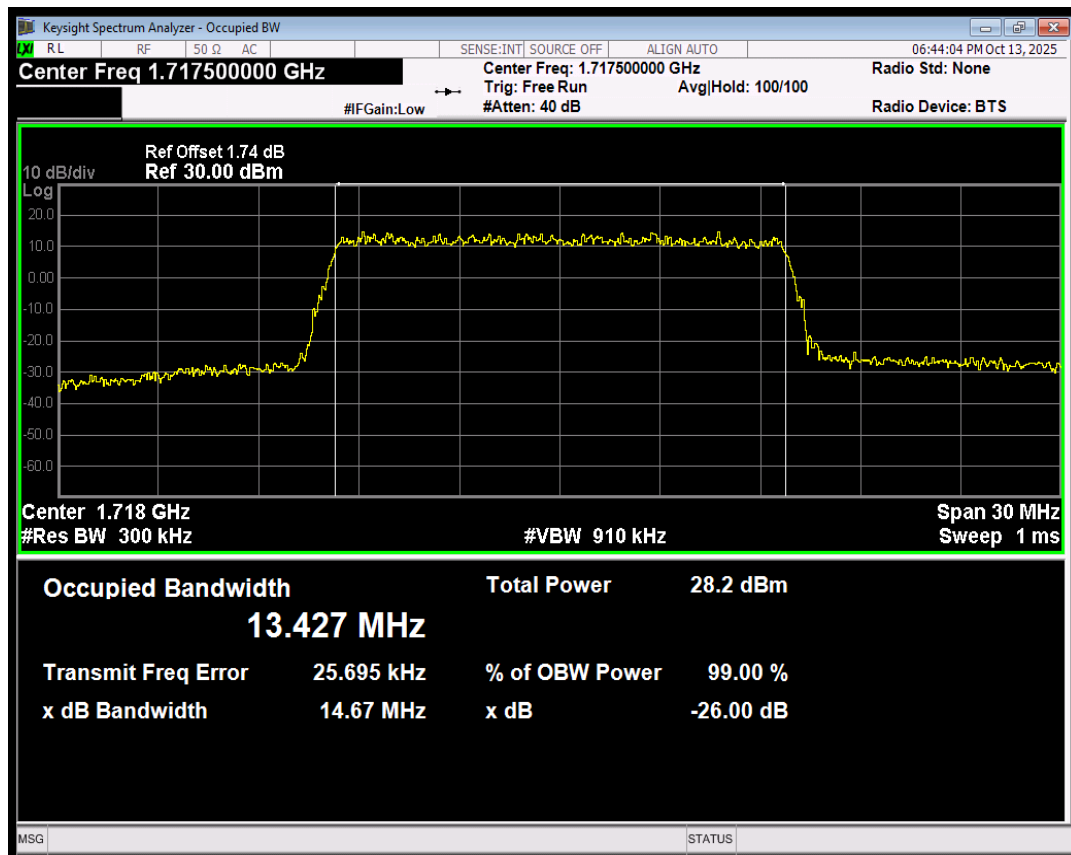
LTE Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0



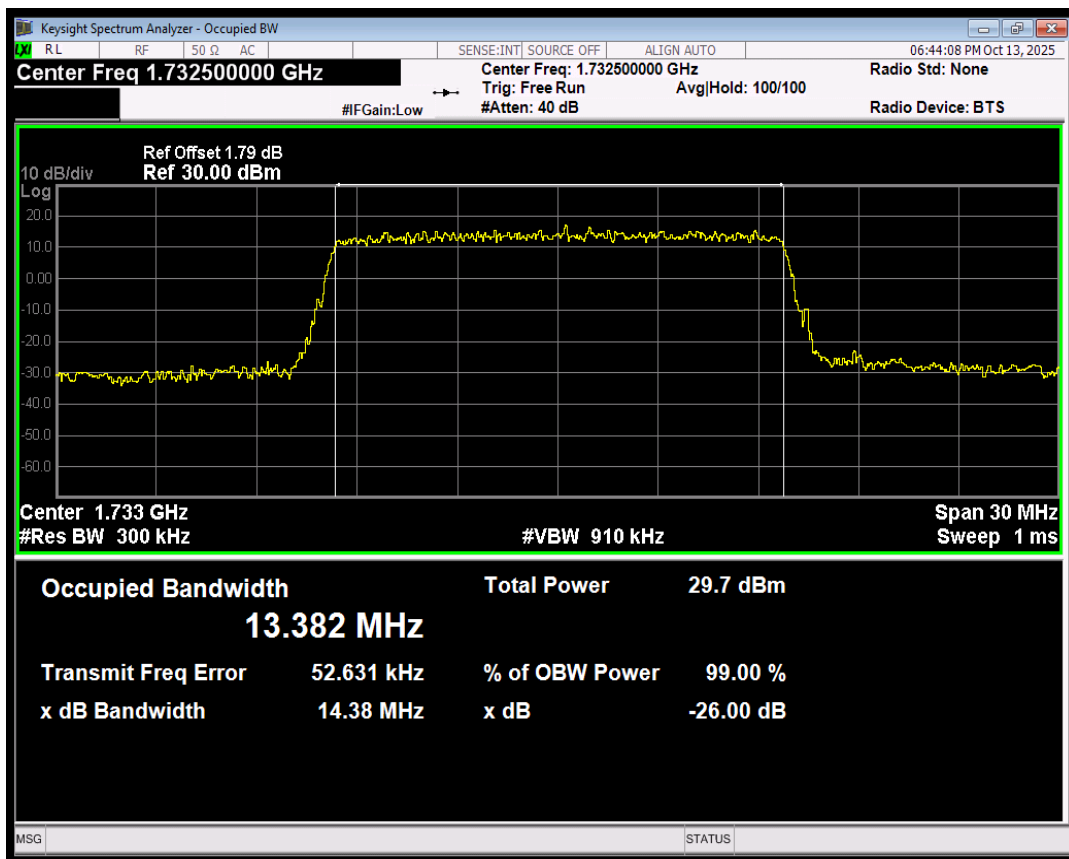
LTE Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



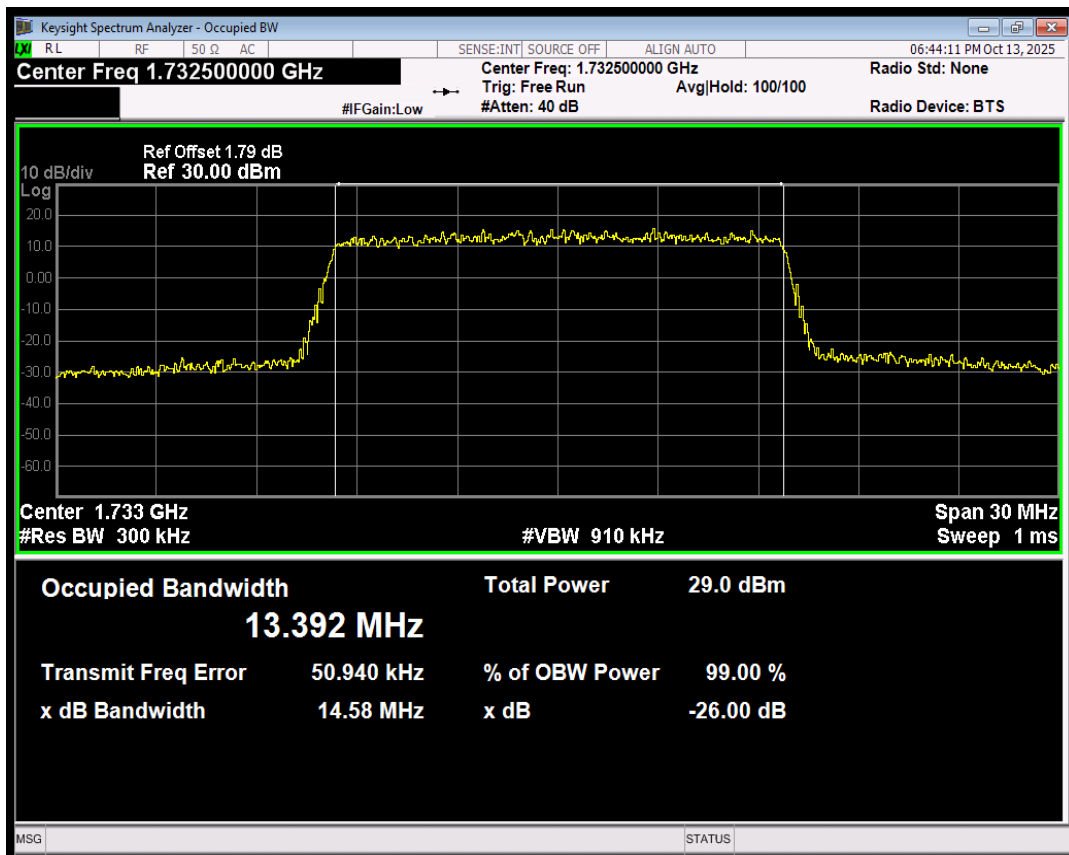
LTE Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0



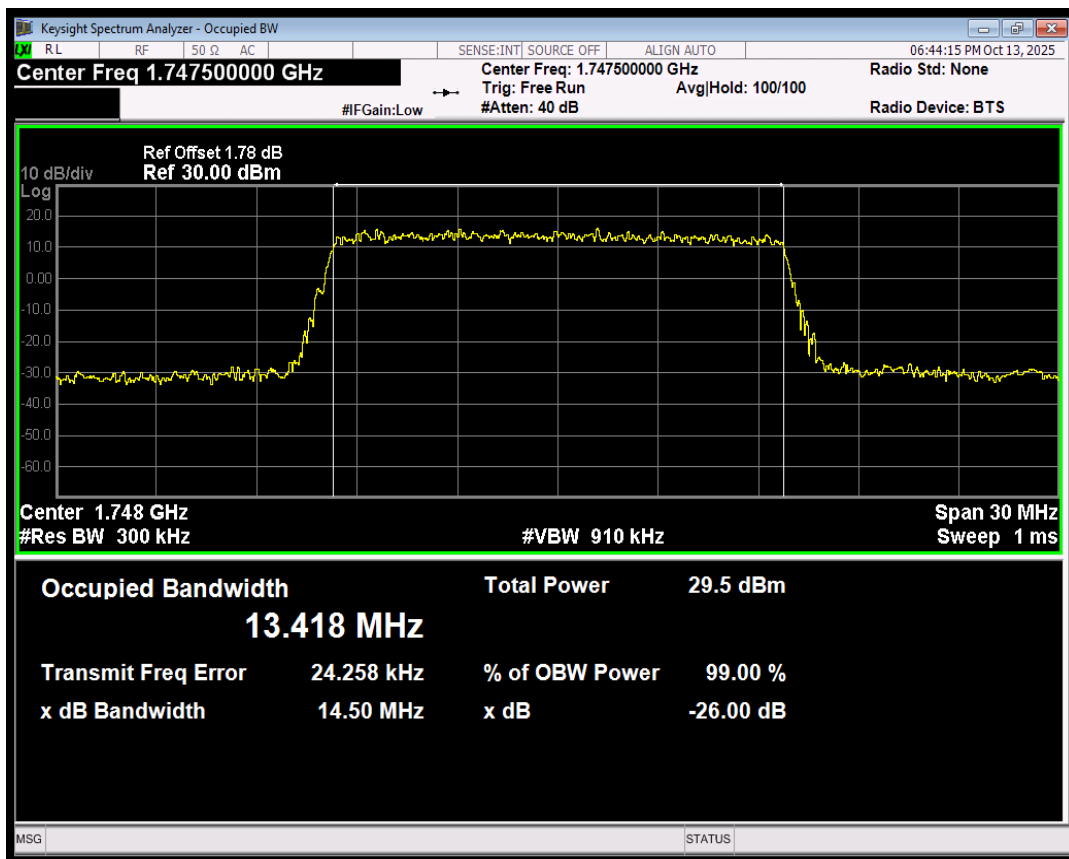
LTE Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



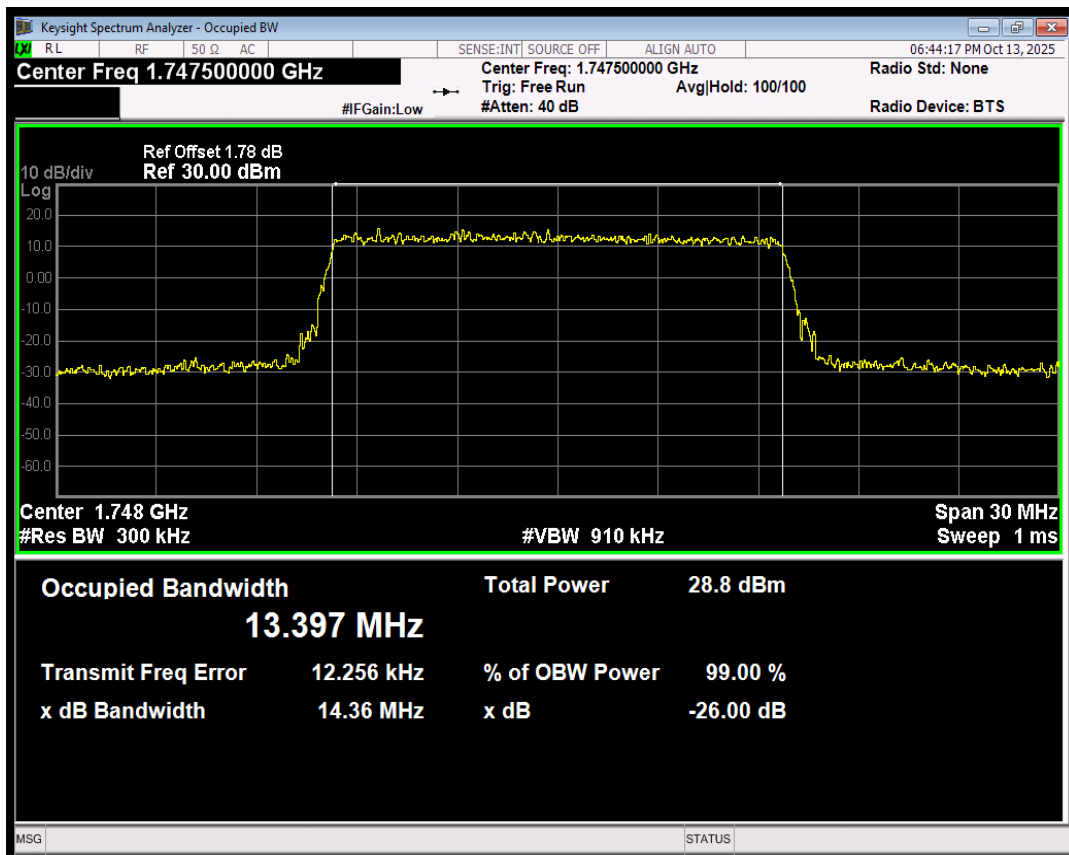
LTE Band4 QAM16 BW=15MHz Channel=20175 RB Size=75 Position=#0



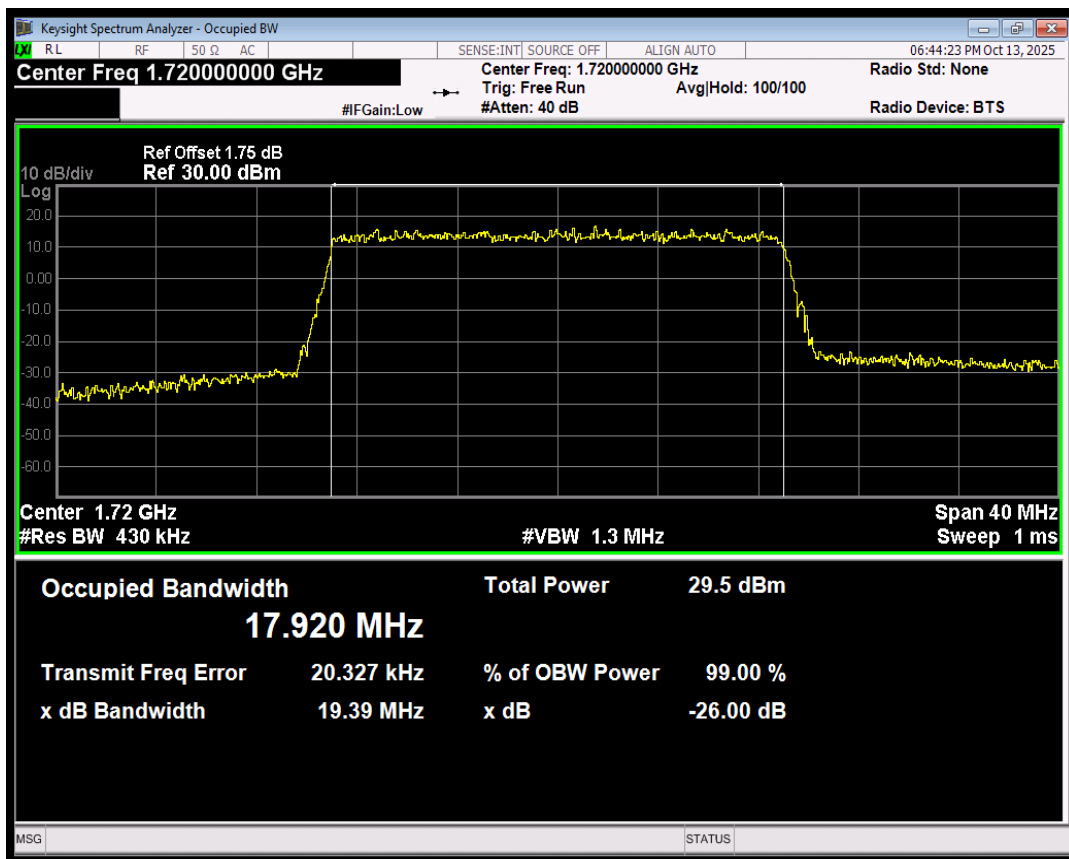
LTE Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



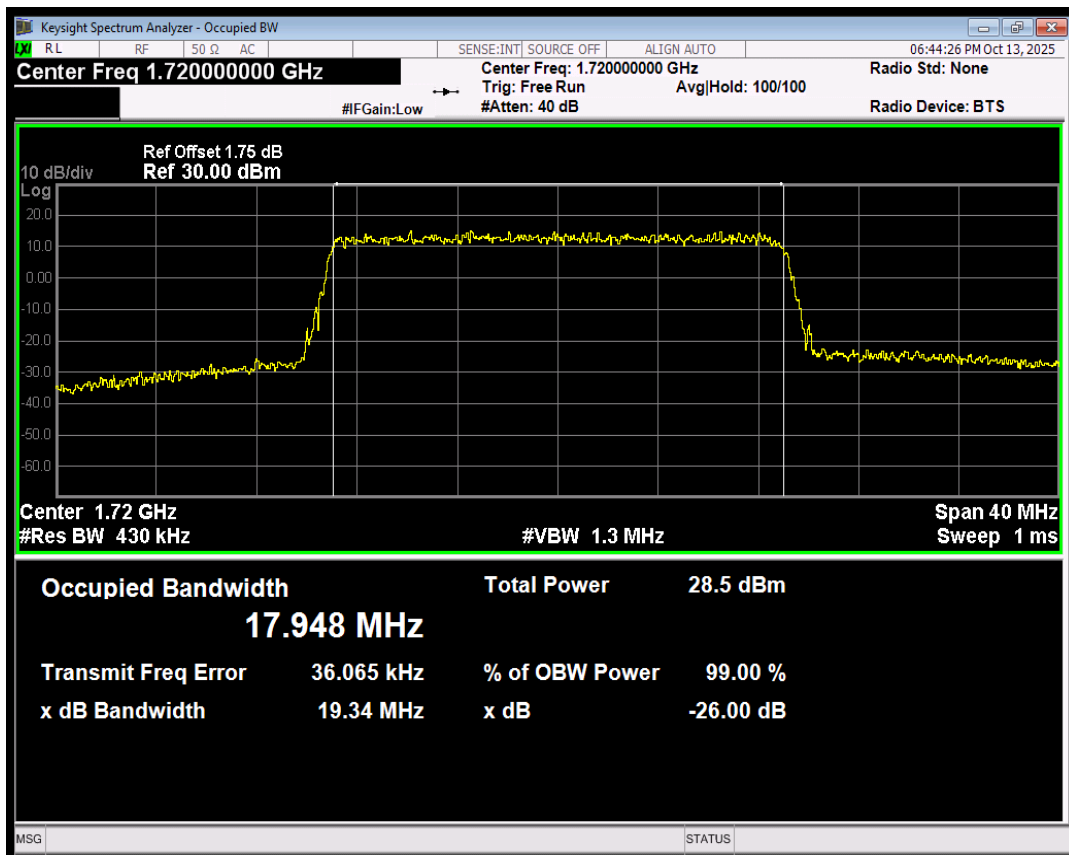
LTE Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0



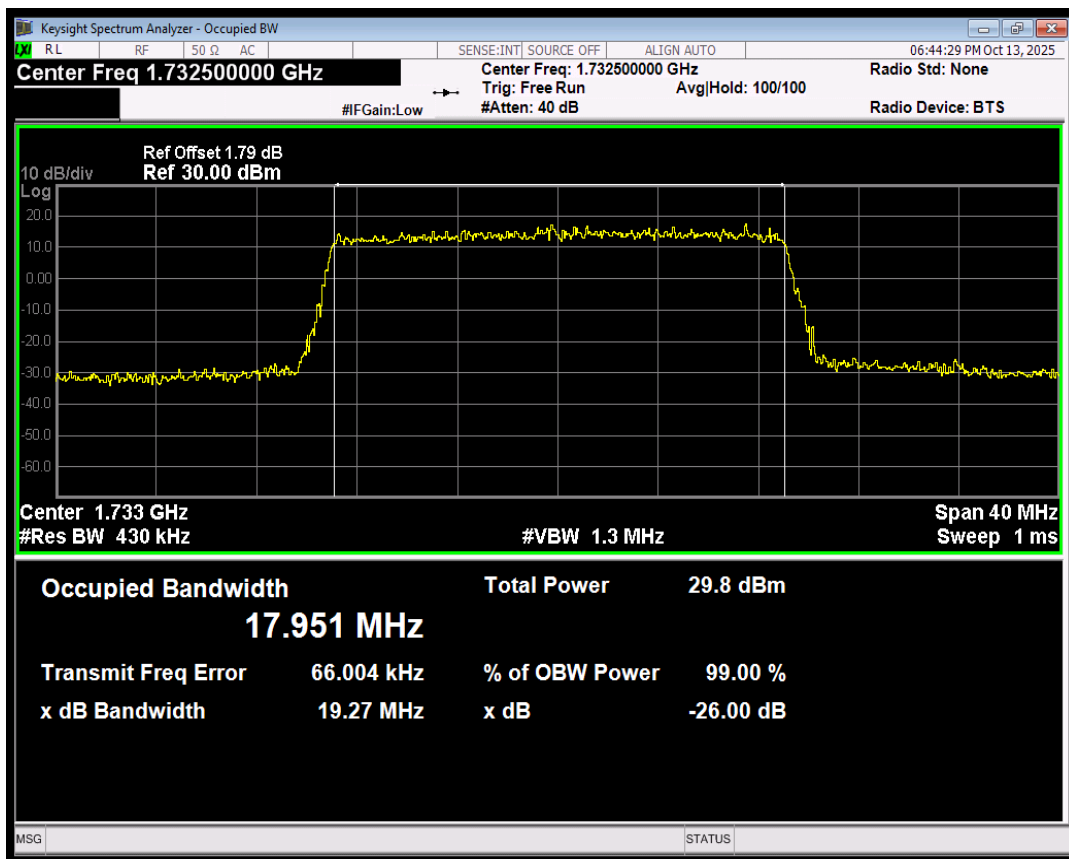
LTE Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



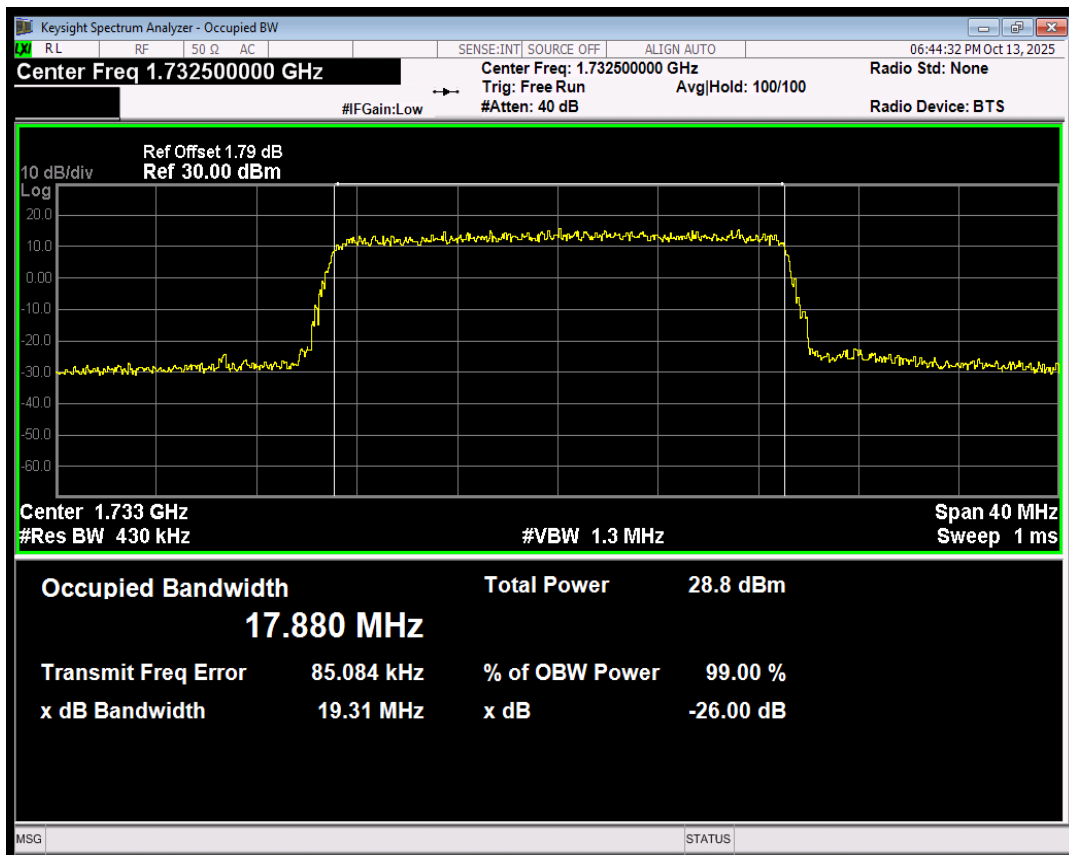
LTE Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0



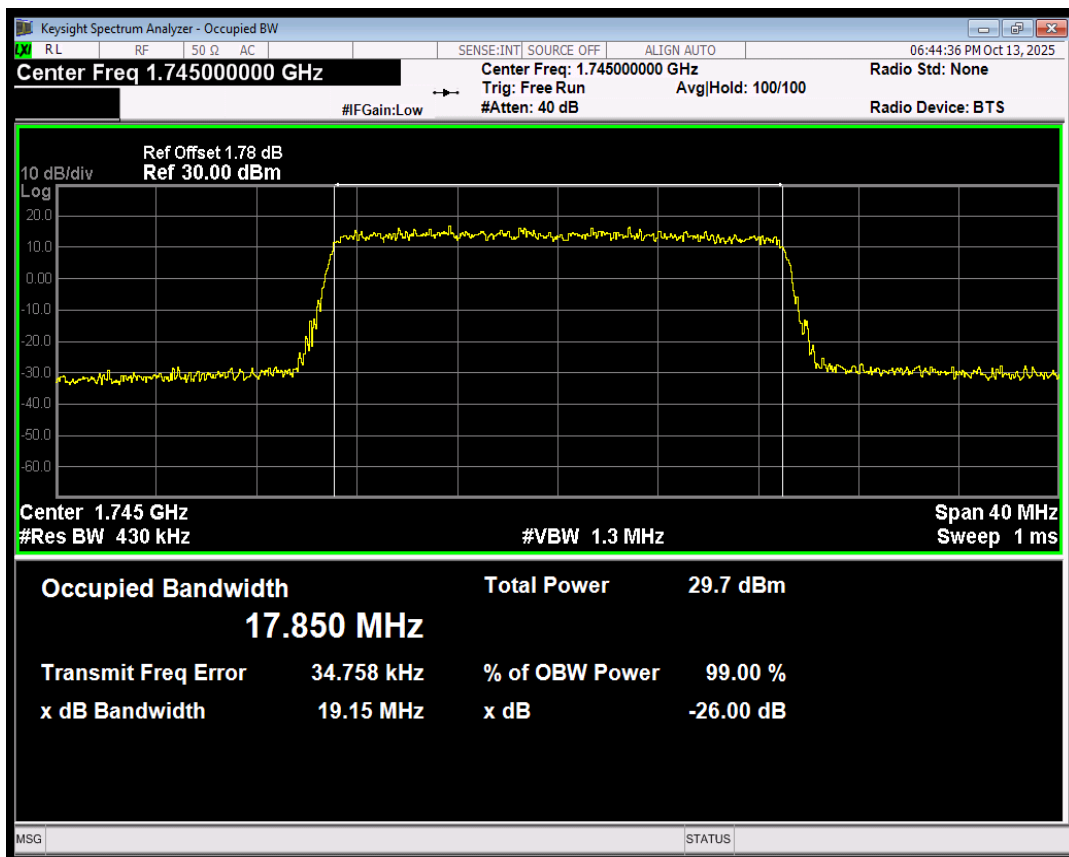
LTE Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



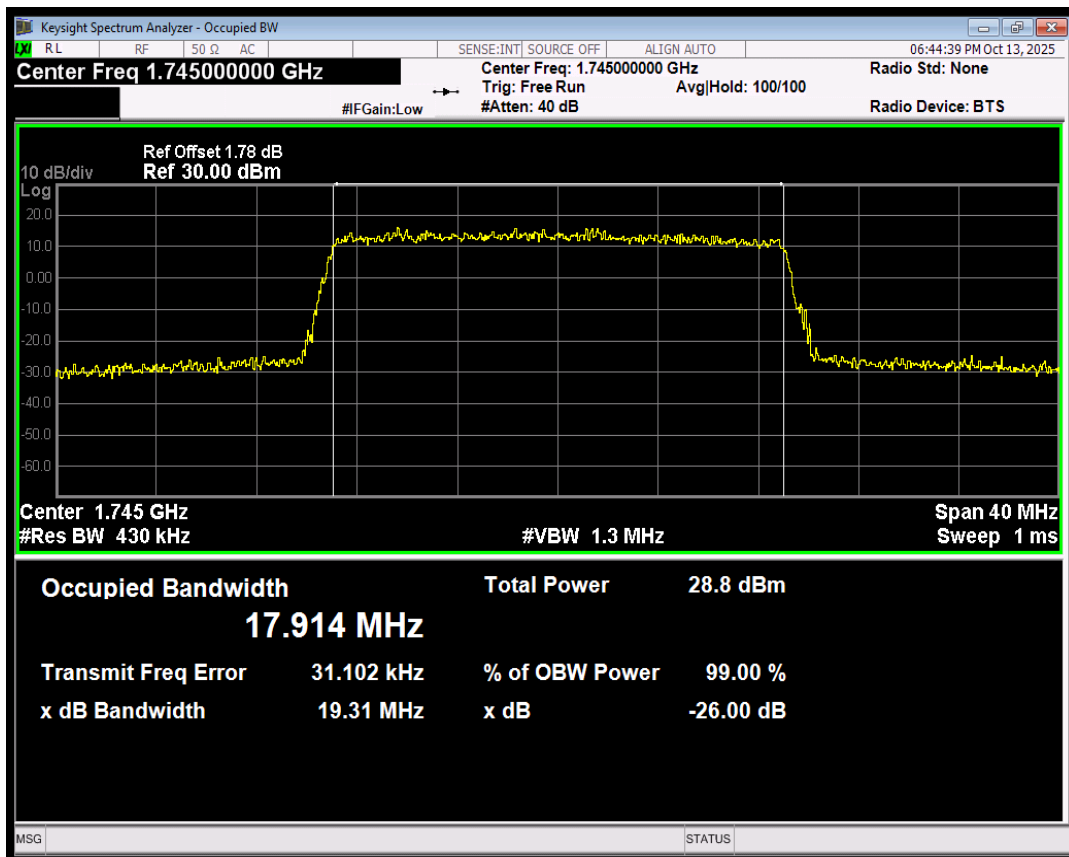
LTE Band4 QAM16 BW=20MHz Channel=20175 RB Size=100 Position=#0



LTE Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



LTE Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0



6.3 Band Edge Compliance

LTE Band2 QPSK BW=1.4MHz Channel=18607 RB Size=1 Position=#0

