RF TEST REPORT

Applicant	MeiG Smart Technology Co., Ltd
FCC ID	2APJ4-SLM336-L
Product	LTE Cat1 Module
Brand	MEIGLink
Model	SLM336-L
Report No.	EFTA25010039-IE-06-R1
Issue Date	February 24, 2025

Eurofins TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 2 (2024)/ FCC CFR 47 Part 22H (2024) / FCC CFR 47 Part 24E (2024) / FCC CFR47 Part 27C (2024)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Prepared by: Xu Ying *Approved by: Xu Kai*

Eurofins TA Technology (Shanghai) Co., Ltd.

Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China
TEL: +86-021-50791141/2/3
FAX: +86-021-50791141/2/3-8000

TABLE OF CONTENT

Summary of Measurement Results

No.	Test Case	Clause in FCC rules	Verdict
1	RF Power Output and Effective Radiated Power	2.1046 22.913(a)(5) 24.232(c) 27.50(d)(4) 27.50(h)(2)	PASS
2	Occupied Bandwidth	2.1049	PASS
3	Band Edge Compliance	2.1051 22.917(a) 24.238(a) 27.53(h) 27.53(m)	PASS
4	Peak-to-Average Power Ratio	22.913(d) 24.232 27.50(d) KDB 971168 D01(5.7)	PASS
5	Frequency Stability	2.1055 22.355 24.235 27.54	PASS
6	Spurious Emissions at Antenna Terminals	2.1051 22.917(a) 24.238(a) 27.53(h) 27.53(m)	PASS
7	Radiated Spurious Emission	2.1053 22.917 (a) 24.238(a) 27.53(h) 27.53(m)	PASS
Date of Testing: January 2, 2025 ~ January 26, 2025 Date of Sample Received: December 30, 2024			
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
Contact:	Xu Kai
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	MeiG Smart Technology Co., Ltd
Applicant address	2nd Floor,Office Building,No.5 Lingxia Road,Fenghuang,Fuyong Street,Bao'an District,Shenzhen, China.
Manufacturer	MeiG Smart Technology Co., Ltd
Manufacturer address	2nd Floor,Office Building,No.5 Lingxia Road,Fenghuang,Fuyong Street,Bao'an District,Shenzhen, China.

2.2. General Information

EUT Description		
Model	SLM336-L	
IMEI	Conducted: 867442070188525 Radiated: 867442070189994	
Hardware Version	SLM336E_MB_PCB_V1.00	
Software Version	V51_U04	
Power Supply	DC 3.8V	
Antenna Type	External Antenna	
Antenna Gain	GSM 850	2.52 dBi
	GSM 1900	2.10 dBi
	LTE Band 2	2.10 dBi
	LTE Band 4	2.40 dBi
	LTE Band 5	2.52 dBi
	LTE Band 7	3.19 dBi
	LTE Band 66	2.40 dBi
Test Mode(s)	GSM 850; GSM 1900; LTE Band 2/4/5/7/66;	
Test Modulation	(GSM/GPRS)GMSK, (LTE) QPSK, 16QAM;	
GPRS Multislot Class	12	
LTE Category	1	
Maximum E.R.P / EIRP	GSM 850	33.64 dBm
	GSM 1900	32.67 dBm
	LTE Band 2	25.68 dBm
	LTE Band 4	25.60 dBm
	LTE Band 5	24.02 dBm
	LTE Band 7	26.83 dBm
	LTE Band 66	25.82 dBm
Rated Power Supply Voltage	3.8VDC	

Operating Voltage	Minimum: 3.5VDC Maximum: 4.5VDC		
Operating Temperature	Lowest: -35°C Highest: +75°C		
Testing Temperature	Lowest: -30°C Highest: +50°C		
Operating Frequency Range(s)	Band	Tx (MHz)	Rx (MHz)
	GSM 850	824 ~ 849	869 ~ 894
	GSM 1900	1850 ~ 1910	1930 ~ 1990
	LTE Band 2	1850 ~ 1910	1930 ~ 1990
	LTE Band 4	1710 ~ 1755	2110 ~ 2155
	LTE Band 5	824 ~ 849	869 ~ 894
	LTE Band 7	2500 ~ 2570	2620 ~ 2690
	LTE Band 66	1710 ~ 1780	2110 ~ 2180
Note: 1. The EUT is sent from the applicant to Eurofins TA and the information of the EUT is declared by the applicant.			

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 22H (2024)

FCC CFR 47 Part 24E (2024)

FCC CFR47 Part 27C (2024)

FCC CFR47 Part 2 (2024)

Reference standard:
ANSI C63.26-2015

KDB 971168 D01 Power Meas License Digital Systems v03r01

4. Test Configuration

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes. EUT stand-up position (Z axis), lie-down position (X, Y axis). Receiver antenna polarization (horizontal and vertical), the worst emission was found in position (Y axis, vertical polarization) and the worst case was recorded.

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 GSM/ LTE is set based on the maximum RF Output Power.
Test modes are chosen to be reported as the worst case configuration below:

Test items	Modes/Modulation	
	GSM 850	GSM 1900
RF Power Output and Effective Radiated power	GSM GPRS	GSM GPRS
Occupied Bandwidth	GSM GPRS(1Tx slot)	GSM GPRS(1Tx slot)
Band Edge Compliance	GSM GPRS(1Tx slot)	GSM GPRS(1Tx slot)
Peak-to-Average Power Ratio	GSM GPRS(1Tx slot)	GSM GPRS(1Tx slot)
Frequency Stability	GSM GPRS(1Tx slot)	GSM GPRS(1Tx slot)
Spurious Emissions at Antenna Terminals	GPRS	GPRS
Radiated Spurious Emission	GPRS	GPRS

Test modes are chosen 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
	LTE 5	O	O	O	O	-	-	O	O	O	O	O	O	O	O
	LTE 7	-	-	O	O	O	O	O	O	O	O	O	O	O	O
	LTE 66	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
	LTE 5	O	O	O	O	-	-	O	O	-	-	O	O	O	O
	LTE 7	-	-	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 66	O	O	O	O	O	O	O	O	-	-	O	O	O	O
Band Edge	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

Compliance	LTE 5	O	O	O	O	-	-	O	O	O	-	O	O	-	O
	LTE 7	-	-	O	O	O	O	O	O	O	-	O	O	-	O
	LTE 66	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
	LTE 5	O	O	O	O	-	-	O	O	-	-	O	O	O	O
	LTE 7	-	-	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 66	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
	LTE 5	O	O	O	O	-	-	O	-	-	-	O	O	-	O
	LTE 7	-	-	O	O	O	O	O	-	-	-	O	O	-	O
	LTE 66	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
	LTE 5	O	O	O	O	-	-	O	-	O	-	-	O	O	O
	LTE 7	-	-	O	O	O	O	O	-	O	-	-	O	O	O
	LTE 66	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	-
	LTE 5	O	-	O	O	-	-	O	-	O	-	-	-	O	-
	LTE 7	-	-	O	-	-	O	O	-	O	-	-	-	O	-
	LTE 66	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 Radiated Power

Ambient Condition

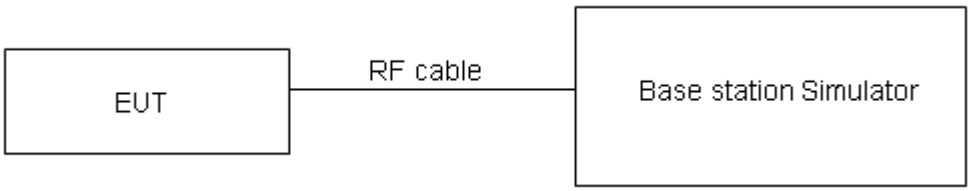
Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

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 (dBm) = Output Power (dBm) + Antenna Gain (dBi)
EIRP (dBm) = ERP (dBm) + 2.15 (dB).

Test Setup



Limits

No specific RF power output requirements in part 2.1046.

Rule Part 22.913(a)(5) specifies that "Mobile/portable stations are limited to 7 watts ERP".
Rule Part 24.232(c) Mobile and portable stations are limited to 2 watts EIRP.
Rule Part 24.232(e) Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.
Rule Part 27.50(d) (4) specifies that "Fixed, mobile and portable (hand-held) stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP"
Rule Part 27.50(h) (2) specifies that "Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power."

Part 22.913(a)(5) Limit	≤ 7 W (38.45 dBm)
Part 24.232(c)(e) Limit	≤ 2 W (33 dBm)
Part 27.50(d)(4) Limit	≤ 1 W (30 dBm)
Part 27.50(h)(2) Limit	≤ 2 W (33 dBm)

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 for RF power output, *k* = 2, *U*= 1.19 dB for ERP.

Test Results

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

5.2. Occupied Bandwidth

Ambient Condition

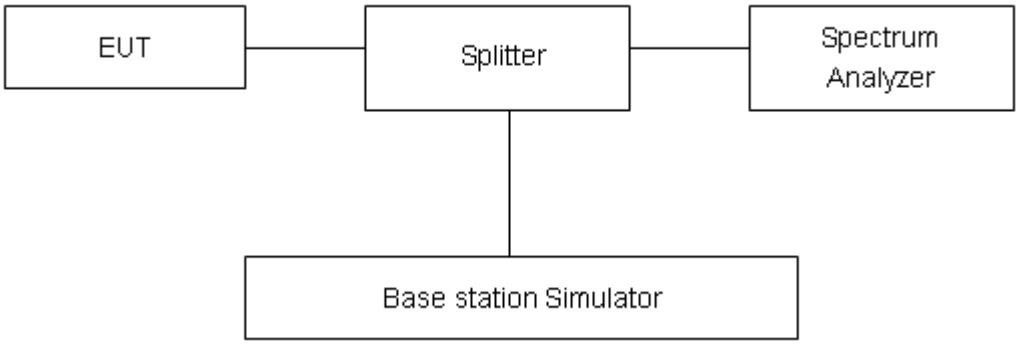
Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

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 ≥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



Limits

No specific occupied bandwidth requirements in part 2.1049.

Measurement Uncertainty

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

Test Results

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

5.3. Band Edge Compliance

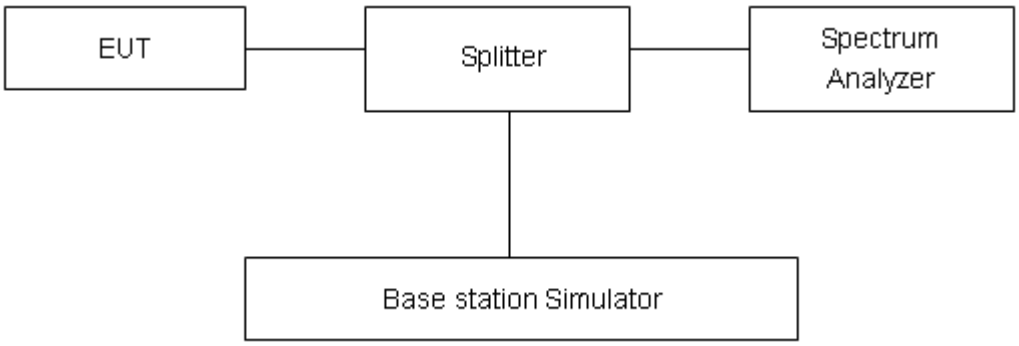
Ambient Condition

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.
For Band 7 set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
For other bands, RBW is set to ≥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



Limits

Rule Part 22.917(a) specifies that “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.”
Rule Part 24.238(a) specifies that “on any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least 43 + 10 log10 (P) dB.”
Rule Part 27.53(h) specifies that “ for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 $\log_{10}$ (P) dB”
Rule Part 27.53(m) (4) specifies that “for BRS and EBS stations. For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel

edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(4) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Example:

The limit line is derived from 43 + 10log (P) dB below the transmitter power P(Watts)

= P(W)- [43 + 10log(P)] (dB)

= [30 + 10log (P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.

Measurement Uncertainty

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

Test Results

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

5.4. Peak-to-Average Power Ratio (PAPR)

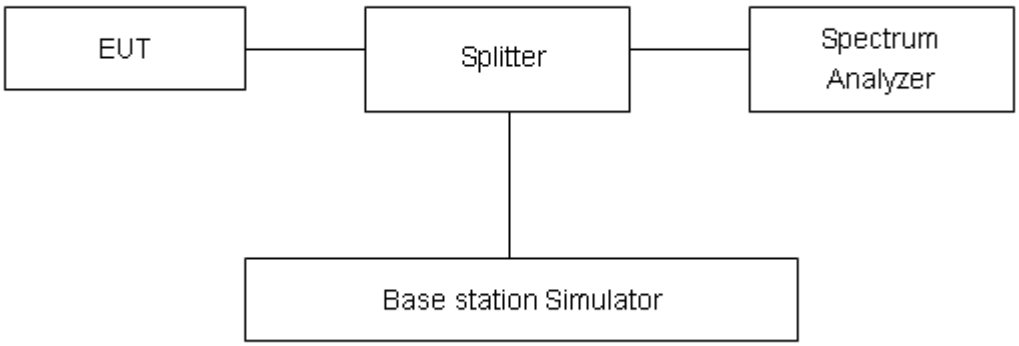
Ambient Condition

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 P_{Pk}. And measure the total average power and record as P_{Avg}. Both the peak and average power levels must be expressed in the same logarithmic units (*e.g.*, dBm). Determine the PAPR from:
PAPR (dB) = P_{Pk} (dBm) - P_{Avg} (dBm).

Test Setup



Limits

Rule Part 22.913(d), the peak-to-average ratio (PAR) of the transmission must not exceed 13 dB.

Rule 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.

Rule Part 27.50(d)(5) Equipment employed must be authorized in accordance with the provisions of 24.51. Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (d)(6) of this section. 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.

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 0°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.

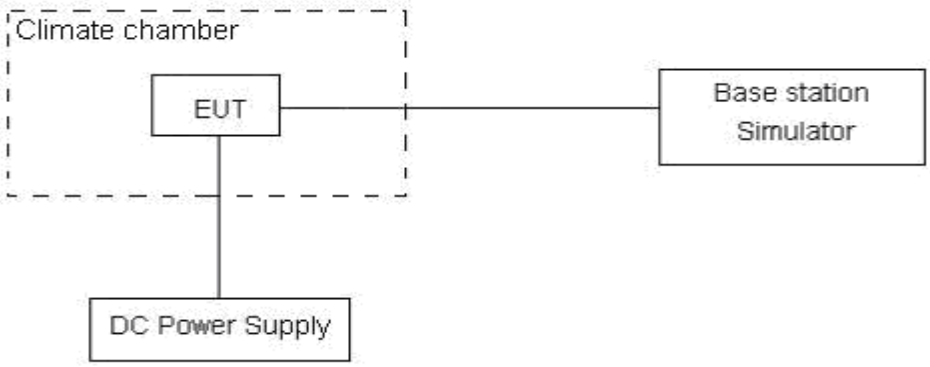
(3) Repeat the above measurements at 10°C increments from -30°C to +50°C. Allow at least 1.5 hours at each temperature, un-powered, before making measurements. Frequency Stability (Voltage Variation)

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 3.5 V and 4.5 V, with a nominal voltage of 3.8V.

Test Setup



Limits

For Rule Part 22.355, the frequency stability of the carrier shall be accurate to within 2.5 ppm of the received frequency for mobile stations.

For Rule Part 24, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

For Rule Part 27, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

Measurement Uncertainty

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

Test Results

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

5.6. Spurious Emissions at Antenna Terminals

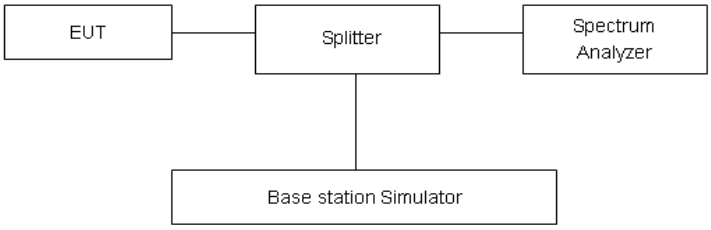
Ambient Condition

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 100 kHz (30MHz~1000 MHz)
RBW is set to 1000 kHz (above 1000MHz)
Sweep is set to AUTO.
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test Setup



Limits

Rule Part 22.917(a) specifies that “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.”
Rule Part 24.238(a) specifies that “on any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least 43 + 10 log10 (P) dB.”
Rule Part 27.53(h) specifies that “for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log10 (P) dB.”
Rule Part 27.53(m) 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(4) of this section.

Part 22.917(a) Limit	-13 dBm
Part 24.238(a) Limit	-13 dBm
Part 27.53(h)/(g) Limit	-13 dBm
Part 27.53(m) Limit	-25 dBm

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
1GHz-26.5GHz	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

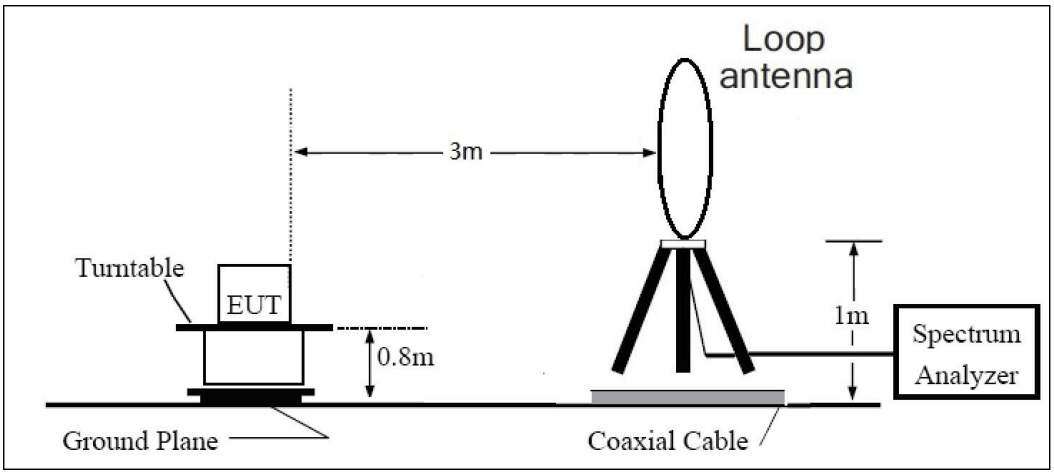
Method of Measurement

1. The testing follows FCC KDB 971168 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, 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:
Power (EIRP) = PMea - PAg - Pcl + Ga
The measurement results are amend as described below:
Power (EIRP) = PMea - Pcl + Ga
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, ERP = EIRP-2.15dB.

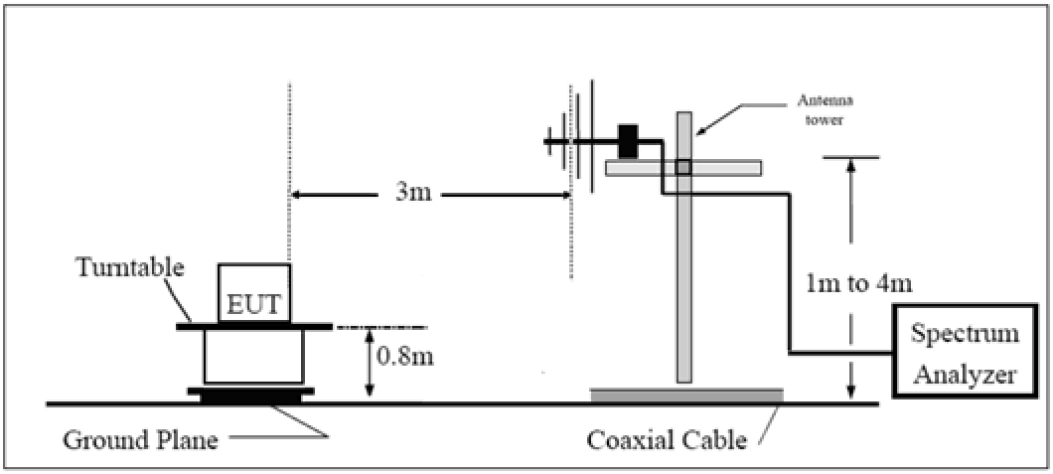
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test Setup

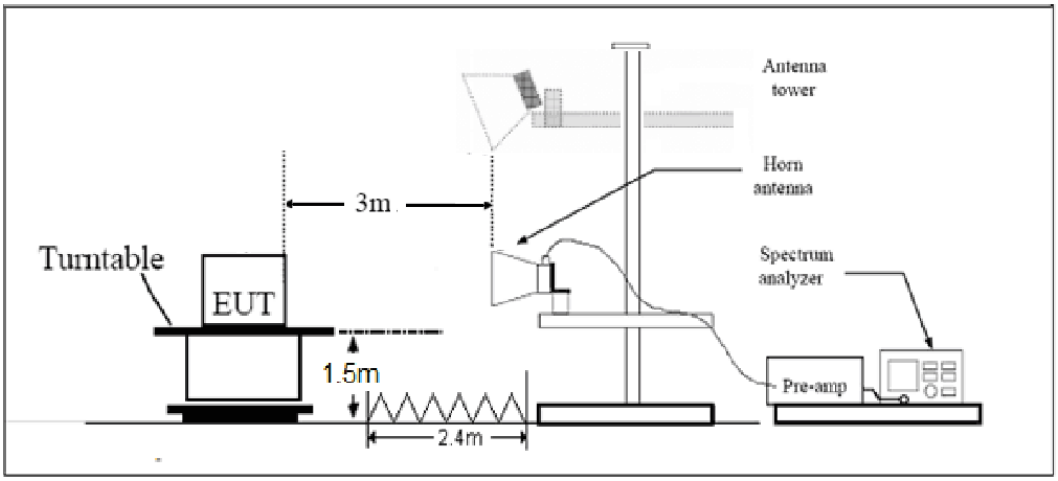
9KHz~ 30MHz



30MHz~ 1GHz



Above 1GHz



Note: Area side: 2.4mX3.6m

Limits

Rule Part 22.917(a) specifies that “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.”
Rule Part 24.238(a) specifies that “on any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least 43 + 10 log10 (P) dB.”
Rule Part 27.53(h) specifies that “for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log10 (P) dB.”
Rule Part 27.53(m) 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(4) of this section.

Part 22.917(a) Limit	-13 dBm
Part 24.238(a) Limit	-13 dBm
Part 27.53 (h)/(g) Limit	-13 dBm
Part 27.53(m) Limit	-25 dBm

Measurement Uncertainty

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

Test Results

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

6. Test Result

6.1. RF Power Output and Effective Radiated Power

GSM 850		Maximum Output Power (dBm)			ERP (dBm)		
		Channel 128	Channel 190	Channel 251	Channel 128	Channel 190	Channel 251
		824.2 (MHz)	836.6 (MHz)	848.8 (MHz)	824.2 (MHz)	836.6 (MHz)	848.8 (MHz)
GSM(GMSK)	Results	33.27	33.09	32.60	33.64	33.46	32.97
GPRS (GMSK)	1Txslot	33.25	33.04	32.64	33.62	33.41	33.01
	2Txslots	31.28	31.06	30.76	31.65	31.43	31.13
	3Txslots	29.28	29.05	28.74	29.65	29.42	29.11
	4Txslots	27.43	27.13	26.84	27.80	27.50	27.21

GSM 1900		Maximum Output Power (dBm)			EIRP (dBm)		
		Channel 512	Channel 661	Channel 810	Channel 512	Channel 661	Channel 810
		1850.2 (MHz)	1880 (MHz)	1909.8 (MHz)	1850.2 (MHz)	1880 (MHz)	1909.8 (MHz)
GSM(GMSK)	Results	30.56	30.29	29.63	32.66	32.39	31.73
GPRS (GMSK)	1TXslot	30.57	30.27	29.61	32.67	32.37	31.71
	2TXslots	28.77	28.33	27.70	30.87	30.43	29.80
	3TXslots	26.58	26.21	25.68	28.68	28.31	27.78
	4Txslots	24.77	24.48	23.87	26.87	26.58	25.97

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)
Band2	1.4	18607	1	#0	QPSK	23.27	25.37
Band2	1.4	18607	1	#Mid	QPSK	23.13	25.23
Band2	1.4	18607	1	#Max	QPSK	22.76	24.86
Band2	1.4	18607	3	#0	QPSK	23.27	25.37
Band2	1.4	18607	3	#Mid	QPSK	23.50	25.60
Band2	1.4	18607	3	#Max	QPSK	22.78	24.88
Band2	1.4	18607	6	#0	QPSK	22.12	24.22
Band2	1.4	18607	1	#0	16QAM	22.34	24.44
Band2	1.4	18607	1	#Mid	16QAM	22.29	24.39
Band2	1.4	18607	1	#Max	16QAM	21.96	24.06
Band2	1.4	18607	3	#0	16QAM	22.14	24.24
Band2	1.4	18607	3	#Mid	16QAM	22.38	24.48
Band2	1.4	18607	3	#Max	16QAM	21.72	23.82
Band2	1.4	18607	6	#0	16QAM	21.33	23.43
Band2	1.4	18900	1	#0	QPSK	23.26	25.36
Band2	1.4	18900	1	#Mid	QPSK	23.41	25.51
Band2	1.4	18900	1	#Max	QPSK	23.07	25.17
Band2	1.4	18900	3	#0	QPSK	23.42	25.52
Band2	1.4	18900	3	#Mid	QPSK	23.58	25.68
Band2	1.4	18900	3	#Max	QPSK	23.07	25.17
Band2	1.4	18900	6	#0	QPSK	22.54	24.64
Band2	1.4	18900	1	#0	16QAM	22.46	24.56
Band2	1.4	18900	1	#Mid	16QAM	22.60	24.70
Band2	1.4	18900	1	#Max	16QAM	22.37	24.47
Band2	1.4	18900	3	#0	16QAM	22.48	24.58
Band2	1.4	18900	3	#Mid	16QAM	22.54	24.64
Band2	1.4	18900	3	#Max	16QAM	22.06	24.16
Band2	1.4	18900	6	#0	16QAM	21.63	23.73
Band2	1.4	19193	1	#0	QPSK	23.30	25.40
Band2	1.4	19193	1	#Mid	QPSK	23.31	25.41
Band2	1.4	19193	1	#Max	QPSK	22.91	25.01
Band2	1.4	19193	3	#0	QPSK	23.50	25.60
Band2	1.4	19193	3	#Mid	QPSK	23.57	25.67
Band2	1.4	19193	3	#Max	QPSK	22.93	25.03
Band2	1.4	19193	6	#0	QPSK	22.45	24.55
Band2	1.4	19193	1	#0	16QAM	22.46	24.56
Band2	1.4	19193	1	#Mid	16QAM	22.44	24.54
Band2	1.4	19193	1	#Max	16QAM	22.23	24.33
Band2	1.4	19193	3	#0	16QAM	22.49	24.59
Band2	1.4	19193	3	#Mid	16QAM	22.66	24.76

Band2	1.4	19193	3	#Max	16QAM	21.95	24.05
Band2	1.4	19193	6	#0	16QAM	21.57	23.67
Band2	3	18615	1	#0	QPSK	22.72	24.82
Band2	3	18615	1	#Mid	QPSK	22.64	24.74
Band2	3	18615	1	#Max	QPSK	22.19	24.29
Band2	3	18615	8	#0	QPSK	21.35	23.45
Band2	3	18615	8	#Mid	QPSK	21.70	23.80
Band2	3	18615	8	#Max	QPSK	21.49	23.59
Band2	3	18615	15	#0	QPSK	21.84	23.94
Band2	3	18615	1	#0	16QAM	21.87	23.97
Band2	3	18615	1	#Mid	16QAM	22.10	24.20
Band2	3	18615	1	#Max	16QAM	21.61	23.71
Band2	3	18615	8	#0	16QAM	20.46	22.56
Band2	3	18615	8	#Mid	16QAM	20.78	22.88
Band2	3	18615	8	#Max	16QAM	20.60	22.70
Band2	3	18615	15	#0	16QAM	21.07	23.17
Band2	3	18900	1	#0	QPSK	23.20	25.30
Band2	3	18900	1	#Mid	QPSK	23.25	25.35
Band2	3	18900	1	#Max	QPSK	22.68	24.78
Band2	3	18900	8	#0	QPSK	21.96	24.06
Band2	3	18900	8	#Mid	QPSK	22.16	24.26
Band2	3	18900	8	#Max	QPSK	21.83	23.93
Band2	3	18900	15	#0	QPSK	22.36	24.46
Band2	3	18900	1	#0	16QAM	22.31	24.41
Band2	3	18900	1	#Mid	16QAM	22.54	24.64
Band2	3	18900	1	#Max	16QAM	22.09	24.19
Band2	3	18900	8	#0	16QAM	21.26	23.36
Band2	3	18900	8	#Mid	16QAM	21.43	23.53
Band2	3	18900	8	#Max	16QAM	21.15	23.25
Band2	3	18900	15	#0	16QAM	21.43	23.53
Band2	3	19185	1	#0	QPSK	23.23	25.33
Band2	3	19185	1	#Mid	QPSK	23.19	25.29
Band2	3	19185	1	#Max	QPSK	22.55	24.65
Band2	3	19185	8	#0	QPSK	22.09	24.19
Band2	3	19185	8	#Mid	QPSK	22.14	24.24
Band2	3	19185	8	#Max	QPSK	21.72	23.82
Band2	3	19185	15	#0	QPSK	22.36	24.46
Band2	3	19185	1	#0	16QAM	22.51	24.61
Band2	3	19185	1	#Mid	16QAM	22.53	24.63
Band2	3	19185	1	#Max	16QAM	21.80	23.90
Band2	3	19185	8	#0	16QAM	21.19	23.29
Band2	3	19185	8	#Mid	16QAM	21.24	23.34
Band2	3	19185	8	#Max	16QAM	20.84	22.94

Band2	3	19185	15	#0	16QAM	21.46	23.56
Band2	5	18625	1	#0	QPSK	22.63	24.73
Band2	5	18625	1	#Mid	QPSK	22.64	24.74
Band2	5	18625	1	#Max	QPSK	22.21	24.31
Band2	5	18625	12	#0	QPSK	21.76	23.86
Band2	5	18625	12	#Mid	QPSK	21.90	24.00
Band2	5	18625	12	#Max	QPSK	21.47	23.57
Band2	5	18625	25	#0	QPSK	21.61	23.71
Band2	5	18625	1	#0	16QAM	21.88	23.98
Band2	5	18625	1	#Mid	16QAM	21.86	23.96
Band2	5	18625	1	#Max	16QAM	21.47	23.57
Band2	5	18625	12	#0	16QAM	20.98	23.08
Band2	5	18625	12	#Mid	16QAM	21.17	23.27
Band2	5	18625	12	#Max	16QAM	20.72	22.82
Band2	5	18625	25	#0	16QAM	20.88	22.98
Band2	5	18900	1	#0	QPSK	23.18	25.28
Band2	5	18900	1	#Mid	QPSK	23.13	25.23
Band2	5	18900	1	#Max	QPSK	22.98	25.08
Band2	5	18900	12	#0	QPSK	22.16	24.26
Band2	5	18900	12	#Mid	QPSK	22.04	24.14
Band2	5	18900	12	#Max	QPSK	22.13	24.23
Band2	5	18900	25	#0	QPSK	22.27	24.37
Band2	5	18900	1	#0	16QAM	22.35	24.45
Band2	5	18900	1	#Mid	16QAM	22.32	24.42
Band2	5	18900	1	#Max	16QAM	22.33	24.43
Band2	5	18900	12	#0	16QAM	21.44	23.54
Band2	5	18900	12	#Mid	16QAM	21.33	23.43
Band2	5	18900	12	#Max	16QAM	21.21	23.31
Band2	5	18900	25	#0	16QAM	21.32	23.42
Band2	5	19175	1	#0	QPSK	22.63	24.73
Band2	5	19175	1	#Mid	QPSK	23.28	25.38
Band2	5	19175	1	#Max	QPSK	22.97	25.07
Band2	5	19175	12	#0	QPSK	21.91	24.01
Band2	5	19175	12	#Mid	QPSK	21.89	23.99
Band2	5	19175	12	#Max	QPSK	22.41	24.51
Band2	5	19175	25	#0	QPSK	22.46	24.56
Band2	5	19175	1	#0	16QAM	21.88	23.98
Band2	5	19175	1	#Mid	16QAM	22.56	24.66
Band2	5	19175	1	#Max	16QAM	22.33	24.43
Band2	5	19175	12	#0	16QAM	21.22	23.32
Band2	5	19175	12	#Mid	16QAM	21.01	23.11
Band2	5	19175	12	#Max	16QAM	21.53	23.63
Band2	5	19175	25	#0	16QAM	21.56	23.66

Band2	10	18650	1	#0	QPSK	22.59	24.69
Band2	10	18650	1	#Mid	QPSK	22.80	24.90
Band2	10	18650	1	#Max	QPSK	22.25	24.35
Band2	10	18650	25	#0	QPSK	21.90	24.00
Band2	10	18650	25	#Mid	QPSK	21.73	23.83
Band2	10	18650	25	#Max	QPSK	21.70	23.80
Band2	10	18650	50	#0	QPSK	21.91	24.01
Band2	10	18900	1	#0	QPSK	23.25	25.35
Band2	10	18900	1	#Mid	QPSK	23.15	25.25
Band2	10	18900	1	#Max	QPSK	22.38	24.48
Band2	10	18900	25	#0	QPSK	22.24	24.34
Band2	10	18900	25	#Mid	QPSK	22.01	24.11
Band2	10	18900	25	#Max	QPSK	22.08	24.18
Band2	10	18900	50	#0	QPSK	22.24	24.34
Band2	10	19150	1	#0	QPSK	22.44	24.54
Band2	10	19150	1	#Mid	QPSK	22.47	24.57
Band2	10	19150	1	#Max	QPSK	23.02	25.12
Band2	10	19150	25	#0	QPSK	22.19	24.29
Band2	10	19150	25	#Mid	QPSK	22.24	24.34
Band2	10	19150	25	#Max	QPSK	22.64	24.74
Band2	10	19150	50	#0	QPSK	21.48	23.58
Band2	15	18675	1	#0	QPSK	22.72	24.82
Band2	15	18675	1	#Mid	QPSK	22.18	24.28
Band2	15	18675	1	#Max	QPSK	22.86	24.96
Band2	15	18675	36	#0	QPSK	21.84	23.94
Band2	15	18675	36	#Mid	QPSK	21.74	23.84
Band2	15	18675	36	#Max	QPSK	21.94	24.04
Band2	15	18675	75	#0	QPSK	21.79	23.89
Band2	15	18900	1	#0	QPSK	23.43	25.53
Band2	15	18900	1	#Mid	QPSK	23.15	25.25
Band2	15	18900	1	#Max	QPSK	22.66	24.76
Band2	15	18900	36	#0	QPSK	22.77	24.87
Band2	15	18900	36	#Mid	QPSK	22.56	24.66
Band2	15	18900	36	#Max	QPSK	22.33	24.43
Band2	15	18900	75	#0	QPSK	22.26	24.36
Band2	15	19125	1	#0	QPSK	22.46	24.56
Band2	15	19125	1	#Mid	QPSK	23.07	25.17
Band2	15	19125	1	#Max	QPSK	23.16	25.26
Band2	15	19125	36	#0	QPSK	21.94	24.04
Band2	15	19125	36	#Mid	QPSK	22.26	24.36
Band2	15	19125	36	#Max	QPSK	22.81	24.91
Band2	15	19125	75	#0	QPSK	22.11	24.21
Band2	20	18700	1	#0	QPSK	22.71	24.81

Band2	20	18700	1	#Mid	QPSK	22.29	24.39
Band2	20	18700	1	#Max	QPSK	23.31	25.41
Band2	20	18700	50	#0	QPSK	21.78	23.88
Band2	20	18700	50	#Mid	QPSK	21.94	24.04
Band2	20	18700	50	#Max	QPSK	22.24	24.34
Band2	20	18700	100	#0	QPSK	21.93	24.03
Band2	20	18900	1	#0	QPSK	23.14	25.24
Band2	20	18900	1	#Mid	QPSK	23.14	25.24
Band2	20	18900	1	#Max	QPSK	22.19	24.29
Band2	20	18900	50	#0	QPSK	22.58	24.68
Band2	20	18900	50	#Mid	QPSK	22.42	24.52
Band2	20	18900	50	#Max	QPSK	22.22	24.32
Band2	20	18900	100	#0	QPSK	22.24	24.34
Band2	20	19100	1	#0	QPSK	22.89	24.99
Band2	20	19100	1	#Mid	QPSK	23.03	25.13
Band2	20	19100	1	#Max	QPSK	23.17	25.27
Band2	20	19100	50	#0	QPSK	22.01	24.11
Band2	20	19100	50	#Mid	QPSK	22.24	24.34
Band2	20	19100	50	#Max	QPSK	22.67	24.77
Band2	20	19100	100	#0	QPSK	21.77	23.87
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)
Band4	1.4	19957	1	#0	QPSK	22.58	24.98
Band4	1.4	19957	1	#Mid	QPSK	22.51	24.91
Band4	1.4	19957	1	#Max	QPSK	22.22	24.62
Band4	1.4	19957	3	#0	QPSK	22.81	25.21
Band4	1.4	19957	3	#Mid	QPSK	22.98	25.38
Band4	1.4	19957	3	#Max	QPSK	22.21	24.61
Band4	1.4	19957	6	#0	QPSK	21.77	24.17
Band4	1.4	19957	1	#0	16QAM	21.64	24.04
Band4	1.4	19957	1	#Mid	16QAM	21.75	24.15
Band4	1.4	19957	1	#Max	16QAM	21.44	23.84
Band4	1.4	19957	3	#0	16QAM	21.92	24.32
Band4	1.4	19957	3	#Mid	16QAM	22.04	24.44
Band4	1.4	19957	3	#Max	16QAM	21.25	23.65
Band4	1.4	19957	6	#0	16QAM	20.91	23.31
Band4	1.4	20175	1	#0	QPSK	22.56	24.96
Band4	1.4	20175	1	#Mid	QPSK	22.65	25.05
Band4	1.4	20175	1	#Max	QPSK	22.41	24.81
Band4	1.4	20175	3	#0	QPSK	22.77	25.17
Band4	1.4	20175	3	#Mid	QPSK	23.06	25.46
Band4	1.4	20175	3	#Max	QPSK	22.40	24.80
Band4	1.4	20175	6	#0	QPSK	22.01	24.41

Band4	1.4	20175	1	#0	16QAM	21.86	24.26
Band4	1.4	20175	1	#Mid	16QAM	21.97	24.37
Band4	1.4	20175	1	#Max	16QAM	21.72	24.12
Band4	1.4	20175	3	#0	16QAM	21.92	24.32
Band4	1.4	20175	3	#Mid	16QAM	22.22	24.62
Band4	1.4	20175	3	#Max	16QAM	21.47	23.87
Band4	1.4	20175	6	#0	16QAM	21.18	23.58
Band4	1.4	20393	1	#0	QPSK	22.58	24.98
Band4	1.4	20393	1	#Mid	QPSK	22.46	24.86
Band4	1.4	20393	1	#Max	QPSK	22.11	24.51
Band4	1.4	20393	3	#0	QPSK	22.75	25.15
Band4	1.4	20393	3	#Mid	QPSK	22.93	25.33
Band4	1.4	20393	3	#Max	QPSK	22.18	24.58
Band4	1.4	20393	6	#0	QPSK	21.79	24.19
Band4	1.4	20393	1	#0	16QAM	21.75	24.15
Band4	1.4	20393	1	#Mid	16QAM	21.75	24.15
Band4	1.4	20393	1	#Max	16QAM	21.47	23.87
Band4	1.4	20393	3	#0	16QAM	21.87	24.27
Band4	1.4	20393	3	#Mid	16QAM	22.09	24.49
Band4	1.4	20393	3	#Max	16QAM	21.26	23.66
Band4	1.4	20393	6	#0	16QAM	20.94	23.34
Band4	3	19965	1	#0	QPSK	22.69	25.09
Band4	3	19965	1	#Mid	QPSK	22.66	25.06
Band4	3	19965	1	#Max	QPSK	22.19	24.59
Band4	3	19965	8	#0	QPSK	21.38	23.78
Band4	3	19965	8	#Mid	QPSK	21.63	24.03
Band4	3	19965	8	#Max	QPSK	21.35	23.75
Band4	3	19965	15	#0	QPSK	21.84	24.24
Band4	3	19965	1	#0	16QAM	21.83	24.23
Band4	3	19965	1	#Mid	16QAM	21.98	24.38
Band4	3	19965	1	#Max	16QAM	21.48	23.88
Band4	3	19965	8	#0	16QAM	20.52	22.92
Band4	3	19965	8	#Mid	16QAM	20.76	23.16
Band4	3	19965	8	#Max	16QAM	20.47	22.87
Band4	3	19965	15	#0	16QAM	20.93	23.33
Band4	3	20175	1	#0	QPSK	22.78	25.18
Band4	3	20175	1	#Mid	QPSK	22.87	25.27
Band4	3	20175	1	#Max	QPSK	22.39	24.79
Band4	3	20175	8	#0	QPSK	21.53	23.93
Band4	3	20175	8	#Mid	QPSK	21.89	24.29
Band4	3	20175	8	#Max	QPSK	21.63	24.03
Band4	3	20175	15	#0	QPSK	21.99	24.39
Band4	3	20175	1	#0	16QAM	21.98	24.38

Band4	3	20175	1	#Mid	16QAM	22.22	24.62
Band4	3	20175	1	#Max	16QAM	21.83	24.23
Band4	3	20175	8	#0	16QAM	20.69	23.09
Band4	3	20175	8	#Mid	16QAM	21.05	23.45
Band4	3	20175	8	#Max	16QAM	20.76	23.16
Band4	3	20175	15	#0	16QAM	21.07	23.47
Band4	3	20385	1	#0	QPSK	22.76	25.16
Band4	3	20385	1	#Mid	QPSK	22.64	25.04
Band4	3	20385	1	#Max	QPSK	22.08	24.48
Band4	3	20385	8	#0	QPSK	21.37	23.77
Band4	3	20385	8	#Mid	QPSK	21.60	24.00
Band4	3	20385	8	#Max	QPSK	21.31	23.71
Band4	3	20385	15	#0	QPSK	21.92	24.32
Band4	3	20385	1	#0	16QAM	22.03	24.43
Band4	3	20385	1	#Mid	16QAM	22.02	24.42
Band4	3	20385	1	#Max	16QAM	21.44	23.84
Band4	3	20385	8	#0	16QAM	20.52	22.92
Band4	3	20385	8	#Mid	16QAM	20.73	23.13
Band4	3	20385	8	#Max	16QAM	20.45	22.85
Band4	3	20385	15	#0	16QAM	21.03	23.43
Band4	5	19975	1	#0	QPSK	22.82	25.22
Band4	5	19975	1	#Mid	QPSK	22.73	25.13
Band4	5	19975	1	#Max	QPSK	22.71	25.11
Band4	5	19975	12	#0	QPSK	21.85	24.25
Band4	5	19975	12	#Mid	QPSK	21.86	24.26
Band4	5	19975	12	#Max	QPSK	21.92	24.32
Band4	5	19975	25	#0	QPSK	21.83	24.23
Band4	5	19975	1	#0	16QAM	22.10	24.50
Band4	5	19975	1	#Mid	16QAM	22.08	24.48
Band4	5	19975	1	#Max	16QAM	22.15	24.55
Band4	5	19975	12	#0	16QAM	20.92	23.32
Band4	5	19975	12	#Mid	16QAM	20.93	23.33
Band4	5	19975	12	#Max	16QAM	20.99	23.39
Band4	5	19975	25	#0	16QAM	20.89	23.29
Band4	5	20175	1	#0	QPSK	22.77	25.17
Band4	5	20175	1	#Mid	QPSK	22.89	25.29
Band4	5	20175	1	#Max	QPSK	22.95	25.35
Band4	5	20175	12	#0	QPSK	21.89	24.29
Band4	5	20175	12	#Mid	QPSK	21.99	24.39
Band4	5	20175	12	#Max	QPSK	22.15	24.55
Band4	5	20175	25	#0	QPSK	22.08	24.48
Band4	5	20175	1	#0	16QAM	22.02	24.42
Band4	5	20175	1	#Mid	16QAM	22.24	24.64

Band4	5	20175	1	#Max	16QAM	22.27	24.67
Band4	5	20175	12	#0	16QAM	20.97	23.37
Band4	5	20175	12	#Mid	16QAM	21.09	23.49
Band4	5	20175	12	#Max	16QAM	21.25	23.65
Band4	5	20175	25	#0	16QAM	21.18	23.58
Band4	5	20375	1	#0	QPSK	22.90	25.30
Band4	5	20375	1	#Mid	QPSK	22.74	25.14
Band4	5	20375	1	#Max	QPSK	22.67	25.07
Band4	5	20375	12	#0	QPSK	21.99	24.39
Band4	5	20375	12	#Mid	QPSK	21.95	24.35
Band4	5	20375	12	#Max	QPSK	21.97	24.37
Band4	5	20375	25	#0	QPSK	22.05	24.45
Band4	5	20375	1	#0	16QAM	22.14	24.54
Band4	5	20375	1	#Mid	16QAM	22.09	24.49
Band4	5	20375	1	#Max	16QAM	22.03	24.43
Band4	5	20375	12	#0	16QAM	21.07	23.47
Band4	5	20375	12	#Mid	16QAM	21.06	23.46
Band4	5	20375	12	#Max	16QAM	21.05	23.45
Band4	5	20375	25	#0	16QAM	21.13	23.53
Band4	10	20000	1	#0	QPSK	22.89	25.29
Band4	10	20000	1	#Mid	QPSK	22.86	25.26
Band4	10	20000	1	#Max	QPSK	22.47	24.87
Band4	10	20000	25	#0	QPSK	21.87	24.27
Band4	10	20000	25	#Mid	QPSK	21.78	24.18
Band4	10	20000	25	#Max	QPSK	21.90	24.30
Band4	10	20000	50	#0	QPSK	21.96	24.36
Band4	10	20175	1	#0	QPSK	22.94	25.34
Band4	10	20175	1	#Mid	QPSK	22.89	25.29
Band4	10	20175	1	#Max	QPSK	22.70	25.10
Band4	10	20175	25	#0	QPSK	22.00	24.40
Band4	10	20175	25	#Mid	QPSK	22.09	24.49
Band4	10	20175	25	#Max	QPSK	22.15	24.55
Band4	10	20175	50	#0	QPSK	22.05	24.45
Band4	10	20350	1	#0	QPSK	22.92	25.32
Band4	10	20350	1	#Mid	QPSK	22.90	25.30
Band4	10	20350	1	#Max	QPSK	22.57	24.97
Band4	10	20350	25	#0	QPSK	22.12	24.52
Band4	10	20350	25	#Mid	QPSK	22.01	24.41
Band4	10	20350	25	#Max	QPSK	22.15	24.55
Band4	10	20350	50	#0	QPSK	22.10	24.50
Band4	15	20025	1	#0	QPSK	22.88	25.28
Band4	15	20025	1	#Mid	QPSK	22.76	25.16
Band4	15	20025	1	#Max	QPSK	22.89	25.29

Band4	15	20025	36	#0	QPSK	22.10	24.50
Band4	15	20025	36	#Mid	QPSK	21.96	24.36
Band4	15	20025	36	#Max	QPSK	22.22	24.62
Band4	15	20025	75	#0	QPSK	21.94	24.34
Band4	15	20175	1	#0	QPSK	22.85	25.25
Band4	15	20175	1	#Mid	QPSK	22.94	25.34
Band4	15	20175	1	#Max	QPSK	23.08	25.48
Band4	15	20175	36	#0	QPSK	22.15	24.55
Band4	15	20175	36	#Mid	QPSK	22.28	24.68
Band4	15	20175	36	#Max	QPSK	22.43	24.83
Band4	15	20175	75	#0	QPSK	22.15	24.55
Band4	15	20325	1	#0	QPSK	23.09	25.49
Band4	15	20325	1	#Mid	QPSK	23.00	25.40
Band4	15	20325	1	#Max	QPSK	22.81	25.21
Band4	15	20325	36	#0	QPSK	22.36	24.76
Band4	15	20325	36	#Mid	QPSK	22.43	24.83
Band4	15	20325	36	#Max	QPSK	22.48	24.88
Band4	15	20325	75	#0	QPSK	22.22	24.62
Band4	20	20050	1	#0	QPSK	22.87	25.27
Band4	20	20050	1	#Mid	QPSK	22.73	25.13
Band4	20	20050	1	#Max	QPSK	22.80	25.20
Band4	20	20050	50	#0	QPSK	22.06	24.46
Band4	20	20050	50	#Mid	QPSK	21.97	24.37
Band4	20	20050	50	#Max	QPSK	22.40	24.80
Band4	20	20050	100	#0	QPSK	22.00	24.40
Band4	20	20175	1	#0	QPSK	22.81	25.21
Band4	20	20175	1	#Mid	QPSK	23.03	25.43
Band4	20	20175	1	#Max	QPSK	22.95	25.35
Band4	20	20175	50	#0	QPSK	22.19	24.59
Band4	20	20175	50	#Mid	QPSK	22.34	24.74
Band4	20	20175	50	#Max	QPSK	22.59	24.99
Band4	20	20175	100	#0	QPSK	22.14	24.54
Band4	20	20300	1	#0	QPSK	23.13	25.53
Band4	20	20300	1	#Mid	QPSK	23.20	25.60
Band4	20	20300	1	#Max	QPSK	22.86	25.26
Band4	20	20300	50	#0	QPSK	22.42	24.82
Band4	20	20300	50	#Mid	QPSK	22.49	24.89
Band4	20	20300	50	#Max	QPSK	22.63	25.03
Band4	20	20300	100	#0	QPSK	22.20	24.60
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	ERP (dBm)
Band5	1.4	20407	1	#0	QPSK	22.67	23.04
Band5	1.4	20407	1	#Mid	QPSK	22.83	23.20

Band5	1.4	20407	1	#Max	QPSK	22.45	22.82
Band5	1.4	20407	3	#0	QPSK	22.96	23.33
Band5	1.4	20407	3	#Mid	QPSK	23.28	23.65
Band5	1.4	20407	3	#Max	QPSK	22.48	22.85
Band5	1.4	20407	6	#0	QPSK	21.68	22.05
Band5	1.4	20407	1	#0	16QAM	21.92	22.29
Band5	1.4	20407	1	#Mid	16QAM	21.91	22.28
Band5	1.4	20407	1	#Max	16QAM	21.58	21.95
Band5	1.4	20407	3	#0	16QAM	21.92	22.29
Band5	1.4	20407	3	#Mid	16QAM	22.30	22.67
Band5	1.4	20407	3	#Max	16QAM	21.47	21.84
Band5	1.4	20407	6	#0	16QAM	20.77	21.14
Band5	1.4	20525	1	#0	QPSK	22.84	23.21
Band5	1.4	20525	1	#Mid	QPSK	22.94	23.31
Band5	1.4	20525	1	#Max	QPSK	22.39	22.76
Band5	1.4	20525	3	#0	QPSK	23.15	23.52
Band5	1.4	20525	3	#Mid	QPSK	23.26	23.63
Band5	1.4	20525	3	#Max	QPSK	22.61	22.98
Band5	1.4	20525	6	#0	QPSK	21.78	22.15
Band5	1.4	20525	1	#0	16QAM	22.07	22.44
Band5	1.4	20525	1	#Mid	16QAM	22.18	22.55
Band5	1.4	20525	1	#Max	16QAM	21.73	22.10
Band5	1.4	20525	3	#0	16QAM	22.11	22.48
Band5	1.4	20525	3	#Mid	16QAM	22.20	22.57
Band5	1.4	20525	3	#Max	16QAM	21.55	21.92
Band5	1.4	20525	6	#0	16QAM	20.82	21.19
Band5	1.4	20643	1	#0	QPSK	23.33	23.70
Band5	1.4	20643	1	#Mid	QPSK	23.33	23.70
Band5	1.4	20643	1	#Max	QPSK	22.87	23.24
Band5	1.4	20643	3	#0	QPSK	23.50	23.87
Band5	1.4	20643	3	#Mid	QPSK	23.65	24.02
Band5	1.4	20643	3	#Max	QPSK	22.93	23.30
Band5	1.4	20643	6	#0	QPSK	22.16	22.53
Band5	1.4	20643	1	#0	16QAM	22.47	22.84
Band5	1.4	20643	1	#Mid	16QAM	22.58	22.95
Band5	1.4	20643	1	#Max	16QAM	22.22	22.59
Band5	1.4	20643	3	#0	16QAM	22.46	22.83
Band5	1.4	20643	3	#Mid	16QAM	22.16	22.53
Band5	1.4	20643	3	#Max	16QAM	21.90	22.27
Band5	1.4	20643	6	#0	16QAM	21.30	21.67
Band5	3	20415	1	#0	QPSK	22.99	23.36
Band5	3	20415	1	#Mid	QPSK	23.03	23.40
Band5	3	20415	1	#Max	QPSK	22.71	23.08

Band5	3	20415	8	#0	QPSK	21.18	21.55
Band5	3	20415	8	#Mid	QPSK	21.62	21.99
Band5	3	20415	8	#Max	QPSK	21.38	21.75
Band5	3	20415	15	#0	QPSK	21.86	22.23
Band5	3	20415	1	#0	16QAM	22.16	22.53
Band5	3	20415	1	#Mid	16QAM	22.28	22.65
Band5	3	20415	1	#Max	16QAM	21.97	22.34
Band5	3	20415	8	#0	16QAM	20.10	20.47
Band5	3	20415	8	#Mid	16QAM	20.57	20.94
Band5	3	20415	8	#Max	16QAM	20.32	20.69
Band5	3	20415	15	#0	16QAM	20.79	21.16
Band5	3	20525	1	#0	QPSK	23.09	23.46
Band5	3	20525	1	#Mid	QPSK	22.80	23.17
Band5	3	20525	1	#Max	QPSK	22.18	22.55
Band5	3	20525	8	#0	QPSK	21.33	21.70
Band5	3	20525	8	#Mid	QPSK	21.48	21.85
Band5	3	20525	8	#Max	QPSK	21.13	21.50
Band5	3	20525	15	#0	QPSK	21.72	22.09
Band5	3	20525	1	#0	16QAM	22.26	22.63
Band5	3	20525	1	#Mid	16QAM	22.06	22.43
Band5	3	20525	1	#Max	16QAM	21.49	21.86
Band5	3	20525	8	#0	16QAM	20.36	20.73
Band5	3	20525	8	#Mid	16QAM	20.48	20.85
Band5	3	20525	8	#Max	16QAM	20.13	20.50
Band5	3	20525	15	#0	16QAM	20.68	21.05
Band5	3	20635	1	#0	QPSK	23.45	23.82
Band5	3	20635	1	#Mid	QPSK	23.27	23.64
Band5	3	20635	1	#Max	QPSK	22.58	22.95
Band5	3	20635	8	#0	QPSK	21.78	22.15
Band5	3	20635	8	#Mid	QPSK	22.06	22.43
Band5	3	20635	8	#Max	QPSK	21.69	22.06
Band5	3	20635	15	#0	QPSK	22.20	22.57
Band5	3	20635	1	#0	16QAM	22.61	22.98
Band5	3	20635	1	#Mid	16QAM	22.62	22.99
Band5	3	20635	1	#Max	16QAM	21.76	22.13
Band5	3	20635	8	#0	16QAM	20.77	21.14
Band5	3	20635	8	#Mid	16QAM	21.08	21.45
Band5	3	20635	8	#Max	16QAM	20.70	21.07
Band5	3	20635	15	#0	16QAM	21.26	21.63
Band5	5	20425	1	#0	QPSK	22.97	23.34
Band5	5	20425	1	#Mid	QPSK	23.17	23.54
Band5	5	20425	1	#Max	QPSK	23.44	23.81
Band5	5	20425	12	#0	QPSK	21.84	22.21

Band5	5	20425	12	#Mid	QPSK	22.07	22.44
Band5	5	20425	12	#Max	QPSK	22.32	22.69
Band5	5	20425	25	#0	QPSK	22.00	22.37
Band5	5	20425	1	#0	16QAM	22.16	22.53
Band5	5	20425	1	#Mid	16QAM	22.37	22.74
Band5	5	20425	1	#Max	16QAM	22.69	23.06
Band5	5	20425	12	#0	16QAM	20.73	21.10
Band5	5	20425	12	#Mid	16QAM	20.96	21.33
Band5	5	20425	12	#Max	16QAM	21.23	21.60
Band5	5	20425	25	#0	16QAM	20.92	21.29
Band5	5	20525	1	#0	QPSK	23.25	23.62
Band5	5	20525	1	#Mid	QPSK	22.73	23.10
Band5	5	20525	1	#Max	QPSK	22.83	23.20
Band5	5	20525	12	#0	QPSK	21.93	22.30
Band5	5	20525	12	#Mid	QPSK	21.72	22.09
Band5	5	20525	12	#Max	QPSK	21.73	22.10
Band5	5	20525	25	#0	QPSK	21.70	22.07
Band5	5	20525	1	#0	16QAM	22.52	22.89
Band5	5	20525	1	#Mid	16QAM	21.96	22.33
Band5	5	20525	1	#Max	16QAM	22.20	22.57
Band5	5	20525	12	#0	16QAM	20.87	21.24
Band5	5	20525	12	#Mid	16QAM	20.67	21.04
Band5	5	20525	12	#Max	16QAM	20.69	21.06
Band5	5	20525	25	#0	16QAM	20.66	21.03
Band5	5	20625	1	#0	QPSK	23.02	23.39
Band5	5	20625	1	#Mid	QPSK	23.27	23.64
Band5	5	20625	1	#Max	QPSK	23.06	23.43
Band5	5	20625	12	#0	QPSK	22.14	22.51
Band5	5	20625	12	#Mid	QPSK	22.15	22.52
Band5	5	20625	12	#Max	QPSK	22.15	22.52
Band5	5	20625	25	#0	QPSK	22.22	22.59
Band5	5	20625	1	#0	16QAM	22.20	22.57
Band5	5	20625	1	#Mid	16QAM	22.47	22.84
Band5	5	20625	1	#Max	16QAM	22.37	22.74
Band5	5	20625	12	#0	16QAM	21.03	21.40
Band5	5	20625	12	#Mid	16QAM	21.16	21.53
Band5	5	20625	12	#Max	16QAM	21.21	21.58
Band5	5	20625	25	#0	16QAM	21.25	21.62
Band5	10	20450	1	#0	QPSK	23.02	23.39
Band5	10	20450	1	#Mid	QPSK	23.55	23.92
Band5	10	20450	1	#Max	QPSK	23.15	23.52
Band5	10	20450	25	#0	QPSK	22.09	22.46
Band5	10	20450	25	#Mid	QPSK	22.26	22.63

Band5	10	20450	25	#Max	QPSK	22.41	22.78
Band5	10	20450	50	#0	QPSK	22.41	22.78
Band5	10	20525	1	#0	QPSK	23.51	23.88
Band5	10	20525	1	#Mid	QPSK	22.87	23.24
Band5	10	20525	1	#Max	QPSK	22.54	22.91
Band5	10	20525	25	#0	QPSK	21.90	22.27
Band5	10	20525	25	#Mid	QPSK	21.62	21.99
Band5	10	20525	25	#Max	QPSK	21.43	21.80
Band5	10	20525	50	#0	QPSK	21.84	22.21
Band5	10	20600	1	#0	QPSK	22.50	22.87
Band5	10	20600	1	#Mid	QPSK	22.82	23.19
Band5	10	20600	1	#Max	QPSK	23.08	23.45
Band5	10	20600	25	#0	QPSK	21.60	21.97
Band5	10	20600	25	#Mid	QPSK	21.83	22.20
Band5	10	20600	25	#Max	QPSK	22.31	22.68
Band5	10	20600	50	#0	QPSK	21.74	22.11
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)
Band7	5	20775	1	#0	QPSK	22.66	25.85
Band7	5	20775	1	#Mid	QPSK	23.00	26.19
Band7	5	20775	1	#Max	QPSK	23.11	26.30
Band7	5	20775	12	#0	QPSK	21.74	24.93
Band7	5	20775	12	#Mid	QPSK	21.85	25.04
Band7	5	20775	12	#Max	QPSK	22.17	25.36
Band7	5	20775	25	#0	QPSK	22.04	25.23
Band7	5	20775	1	#0	16QAM	21.83	25.02
Band7	5	20775	1	#Mid	16QAM	22.40	25.59
Band7	5	20775	1	#Max	16QAM	22.46	25.65
Band7	5	20775	12	#0	16QAM	20.85	24.04
Band7	5	20775	12	#Mid	16QAM	20.93	24.12
Band7	5	20775	12	#Max	16QAM	21.29	24.48
Band7	5	20775	25	#0	16QAM	21.19	24.38
Band7	5	21100	1	#0	QPSK	22.95	26.14
Band7	5	21100	1	#Mid	QPSK	22.89	26.08
Band7	5	21100	1	#Max	QPSK	23.28	26.47
Band7	5	21100	12	#0	QPSK	22.05	25.24
Band7	5	21100	12	#Mid	QPSK	22.19	25.38
Band7	5	21100	12	#Max	QPSK	22.13	25.32
Band7	5	21100	25	#0	QPSK	21.79	24.98
Band7	5	21100	1	#0	16QAM	22.24	25.43
Band7	5	21100	1	#Mid	16QAM	22.24	25.43
Band7	5	21100	1	#Max	16QAM	22.54	25.73
Band7	5	21100	12	#0	16QAM	21.06	24.25

Band7	5	21100	12	#Mid	16QAM	21.23	24.42
Band7	5	21100	12	#Max	16QAM	21.18	24.37
Band7	5	21100	25	#0	16QAM	20.81	24.00
Band7	5	21425	1	#0	QPSK	22.17	25.36
Band7	5	21425	1	#Mid	QPSK	22.97	26.16
Band7	5	21425	1	#Max	QPSK	23.14	26.33
Band7	5	21425	12	#0	QPSK	21.41	24.60
Band7	5	21425	12	#Mid	QPSK	21.64	24.83
Band7	5	21425	12	#Max	QPSK	22.12	25.31
Band7	5	21425	25	#0	QPSK	21.81	25.00
Band7	5	21425	1	#0	16QAM	21.29	24.48
Band7	5	21425	1	#Mid	16QAM	22.31	25.50
Band7	5	21425	1	#Max	16QAM	22.40	25.59
Band7	5	21425	12	#0	16QAM	20.39	23.58
Band7	5	21425	12	#Mid	16QAM	20.66	23.85
Band7	5	21425	12	#Max	16QAM	21.14	24.33
Band7	5	21425	25	#0	16QAM	20.85	24.04
Band7	10	20800	1	#0	QPSK	22.66	25.85
Band7	10	20800	1	#Mid	QPSK	23.22	26.41
Band7	10	20800	1	#Max	QPSK	22.46	25.65
Band7	10	20800	25	#0	QPSK	22.06	25.25
Band7	10	20800	25	#Mid	QPSK	22.10	25.29
Band7	10	20800	25	#Max	QPSK	22.20	25.39
Band7	10	20800	50	#0	QPSK	22.18	25.37
Band7	10	21100	1	#0	QPSK	22.25	25.44
Band7	10	21100	1	#Mid	QPSK	22.81	26.00
Band7	10	21100	1	#Max	QPSK	23.26	26.45
Band7	10	21100	25	#0	QPSK	21.70	24.89
Band7	10	21100	25	#Mid	QPSK	22.00	25.19
Band7	10	21100	25	#Max	QPSK	22.49	25.68
Band7	10	21100	50	#0	QPSK	21.81	25.00
Band7	10	21400	1	#0	QPSK	21.51	24.70
Band7	10	21400	1	#Mid	QPSK	22.11	25.30
Band7	10	21400	1	#Max	QPSK	22.85	26.04
Band7	10	21400	25	#0	QPSK	20.72	23.91
Band7	10	21400	25	#Mid	QPSK	21.12	24.31
Band7	10	21400	25	#Max	QPSK	22.00	25.19
Band7	10	21400	50	#0	QPSK	21.05	24.24
Band7	15	20825	1	#0	QPSK	22.70	25.89
Band7	15	20825	1	#Mid	QPSK	22.85	26.04
Band7	15	20825	1	#Max	QPSK	22.20	25.39
Band7	15	20825	36	#0	QPSK	22.44	25.63
Band7	15	20825	36	#Mid	QPSK	22.28	25.47

Band7	15	20825	36	#Max	QPSK	22.01	25.20
Band7	15	20825	75	#0	QPSK	22.11	25.30
Band7	15	21100	1	#0	QPSK	22.27	25.46
Band7	15	21100	1	#Mid	QPSK	22.80	25.99
Band7	15	21100	1	#Max	QPSK	23.47	26.66
Band7	15	21100	36	#0	QPSK	22.17	25.36
Band7	15	21100	36	#Mid	QPSK	22.67	25.86
Band7	15	21100	36	#Max	QPSK	22.91	26.10
Band7	15	21100	75	#0	QPSK	21.87	25.06
Band7	15	21375	1	#0	QPSK	22.27	25.46
Band7	15	21375	1	#Mid	QPSK	21.66	24.85
Band7	15	21375	1	#Max	QPSK	22.94	26.13
Band7	15	21375	36	#0	QPSK	20.92	24.11
Band7	15	21375	36	#Mid	QPSK	21.04	24.23
Band7	15	21375	36	#Max	QPSK	21.69	24.88
Band7	15	21375	75	#0	QPSK	21.05	24.24
Band7	20	20850	1	#0	QPSK	22.73	25.92
Band7	20	20850	1	#Mid	QPSK	22.57	25.76
Band7	20	20850	1	#Max	QPSK	21.81	25.00
Band7	20	20850	50	#0	QPSK	22.42	25.61
Band7	20	20850	50	#Mid	QPSK	22.27	25.46
Band7	20	20850	50	#Max	QPSK	21.94	25.13
Band7	20	20850	100	#0	QPSK	21.95	25.14
Band7	20	21100	1	#0	QPSK	22.15	25.34
Band7	20	21100	1	#Mid	QPSK	23.58	26.77
Band7	20	21100	1	#Max	QPSK	23.64	26.83
Band7	20	21100	50	#0	QPSK	21.68	24.87
Band7	20	21100	50	#Mid	QPSK	22.36	25.55
Band7	20	21100	50	#Max	QPSK	22.90	26.09
Band7	20	21100	100	#0	QPSK	21.74	24.93
Band7	20	21350	1	#0	QPSK	23.40	26.59
Band7	20	21350	1	#Mid	QPSK	21.71	24.90
Band7	20	21350	1	#Max	QPSK	22.98	26.17
Band7	20	21350	50	#0	QPSK	21.39	24.58
Band7	20	21350	50	#Mid	QPSK	20.87	24.06
Band7	20	21350	50	#Max	QPSK	21.56	24.75
Band7	20	21350	100	#0	QPSK	20.98	24.17
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)
Band66	1.4	131979	1	#0	QPSK	22.89	25.29
Band66	1.4	131979	1	#Mid	QPSK	22.79	25.19
Band66	1.4	131979	1	#Max	QPSK	22.51	24.91
Band66	1.4	131979	3	#0	QPSK	22.98	25.38

Band66	1.4	131979	3	#Mid	QPSK	23.14	25.54
Band66	1.4	131979	3	#Max	QPSK	22.47	24.87
Band66	1.4	131979	6	#0	QPSK	21.91	24.31
Band66	1.4	131979	1	#0	16QAM	21.98	24.38
Band66	1.4	131979	1	#Mid	16QAM	22.04	24.44
Band66	1.4	131979	1	#Max	16QAM	21.73	24.13
Band66	1.4	131979	3	#0	16QAM	21.96	24.36
Band66	1.4	131979	3	#Mid	16QAM	22.14	24.54
Band66	1.4	131979	3	#Max	16QAM	21.45	23.85
Band66	1.4	131979	6	#0	16QAM	21.02	23.42
Band66	1.4	132322	1	#0	QPSK	23.02	25.42
Band66	1.4	132322	1	#Mid	QPSK	23.06	25.46
Band66	1.4	132322	1	#Max	QPSK	22.66	25.06
Band66	1.4	132322	3	#0	QPSK	23.17	25.57
Band66	1.4	132322	3	#Mid	QPSK	23.42	25.82
Band66	1.4	132322	3	#Max	QPSK	22.77	25.17
Band66	1.4	132322	6	#0	QPSK	22.34	24.74
Band66	1.4	132322	1	#0	16QAM	22.23	24.63
Band66	1.4	132322	1	#Mid	16QAM	22.30	24.70
Band66	1.4	132322	1	#Max	16QAM	22.08	24.48
Band66	1.4	132322	3	#0	16QAM	22.27	24.67
Band66	1.4	132322	3	#Mid	16QAM	22.59	24.99
Band66	1.4	132322	3	#Max	16QAM	21.98	24.38
Band66	1.4	132322	6	#0	16QAM	21.52	23.92
Band66	1.4	132665	1	#0	QPSK	22.64	25.04
Band66	1.4	132665	1	#Mid	QPSK	22.64	25.04
Band66	1.4	132665	1	#Max	QPSK	22.21	24.61
Band66	1.4	132665	3	#0	QPSK	22.78	25.18
Band66	1.4	132665	3	#Mid	QPSK	22.92	25.32
Band66	1.4	132665	3	#Max	QPSK	22.31	24.71
Band66	1.4	132665	6	#0	QPSK	21.81	24.21
Band66	1.4	132665	1	#0	16QAM	21.79	24.19
Band66	1.4	132665	1	#Mid	16QAM	21.98	24.38
Band66	1.4	132665	1	#Max	16QAM	21.47	23.87
Band66	1.4	132665	3	#0	16QAM	21.87	24.27
Band66	1.4	132665	3	#Mid	16QAM	22.00	24.40
Band66	1.4	132665	3	#Max	16QAM	21.55	23.95
Band66	1.4	132665	6	#0	16QAM	21.05	23.45
Band66	3	131987	1	#0	QPSK	22.75	25.15
Band66	3	131987	1	#Mid	QPSK	22.83	25.23
Band66	3	131987	1	#Max	QPSK	22.22	24.62
Band66	3	131987	8	#0	QPSK	21.53	23.93
Band66	3	131987	8	#Mid	QPSK	21.78	24.18

Band66	3	131987	8	#Max	QPSK	21.51	23.91
Band66	3	131987	15	#0	QPSK	21.87	24.27
Band66	3	131987	1	#0	16QAM	22.01	24.41
Band66	3	131987	1	#Mid	16QAM	22.06	24.46
Band66	3	131987	1	#Max	16QAM	21.58	23.98
Band66	3	131987	8	#0	16QAM	20.67	23.07
Band66	3	131987	8	#Mid	16QAM	20.91	23.31
Band66	3	131987	8	#Max	16QAM	20.62	23.02
Band66	3	131987	15	#0	16QAM	20.95	23.35
Band66	3	132322	1	#0	QPSK	23.11	25.51
Band66	3	132322	1	#Mid	QPSK	22.95	25.35
Band66	3	132322	1	#Max	QPSK	22.39	24.79
Band66	3	132322	8	#0	QPSK	21.65	24.05
Band66	3	132322	8	#Mid	QPSK	21.98	24.38
Band66	3	132322	8	#Max	QPSK	21.67	24.07
Band66	3	132322	15	#0	QPSK	22.41	24.81
Band66	3	132322	1	#0	16QAM	22.42	24.82
Band66	3	132322	1	#Mid	16QAM	22.30	24.70
Band66	3	132322	1	#Max	16QAM	21.82	24.22
Band66	3	132322	8	#0	16QAM	20.77	23.17
Band66	3	132322	8	#Mid	16QAM	21.10	23.50
Band66	3	132322	8	#Max	16QAM	20.81	23.21
Band66	3	132322	15	#0	16QAM	21.51	23.91
Band66	3	132657	1	#0	QPSK	22.51	24.91
Band66	3	132657	1	#Mid	QPSK	22.68	25.08
Band66	3	132657	1	#Max	QPSK	22.24	24.64
Band66	3	132657	8	#0	QPSK	21.50	23.90
Band66	3	132657	8	#Mid	QPSK	21.71	24.11
Band66	3	132657	8	#Max	QPSK	21.40	23.80
Band66	3	132657	15	#0	QPSK	21.95	24.35
Band66	3	132657	1	#0	16QAM	21.72	24.12
Band66	3	132657	1	#Mid	16QAM	21.97	24.37
Band66	3	132657	1	#Max	16QAM	21.59	23.99
Band66	3	132657	8	#0	16QAM	20.66	23.06
Band66	3	132657	8	#Mid	16QAM	20.82	23.22
Band66	3	132657	8	#Max	16QAM	20.52	22.92
Band66	3	132657	15	#0	16QAM	21.13	23.53
Band66	5	131997	1	#0	QPSK	22.71	25.11
Band66	5	131997	1	#Mid	QPSK	22.86	25.26
Band66	5	131997	1	#Max	QPSK	22.74	25.14
Band66	5	131997	12	#0	QPSK	21.87	24.27
Band66	5	131997	12	#Mid	QPSK	21.87	24.27
Band66	5	131997	12	#Max	QPSK	21.92	24.32

Band66	5	131997	25	#0	QPSK	21.97	24.37
Band66	5	131997	1	#0	16QAM	22.02	24.42
Band66	5	131997	1	#Mid	16QAM	22.19	24.59
Band66	5	131997	1	#Max	16QAM	22.03	24.43
Band66	5	131997	12	#0	16QAM	20.93	23.33
Band66	5	131997	12	#Mid	16QAM	20.97	23.37
Band66	5	131997	12	#Max	16QAM	20.98	23.38
Band66	5	131997	25	#0	16QAM	21.03	23.43
Band66	5	132322	1	#0	QPSK	23.11	25.51
Band66	5	132322	1	#Mid	QPSK	23.12	25.52
Band66	5	132322	1	#Max	QPSK	22.79	25.19
Band66	5	132322	12	#0	QPSK	22.35	24.75
Band66	5	132322	12	#Mid	QPSK	22.38	24.78
Band66	5	132322	12	#Max	QPSK	22.26	24.66
Band66	5	132322	25	#0	QPSK	22.46	24.86
Band66	5	132322	1	#0	16QAM	22.31	24.71
Band66	5	132322	1	#Mid	16QAM	22.47	24.87
Band66	5	132322	1	#Max	16QAM	22.15	24.55
Band66	5	132322	12	#0	16QAM	21.45	23.85
Band66	5	132322	12	#Mid	16QAM	21.49	23.89
Band66	5	132322	12	#Max	16QAM	21.37	23.77
Band66	5	132322	25	#0	16QAM	21.58	23.98
Band66	5	132647	1	#0	QPSK	22.56	24.96
Band66	5	132647	1	#Mid	QPSK	22.67	25.07
Band66	5	132647	1	#Max	QPSK	22.69	25.09
Band66	5	132647	12	#0	QPSK	21.83	24.23
Band66	5	132647	12	#Mid	QPSK	21.75	24.15
Band66	5	132647	12	#Max	QPSK	21.95	24.35
Band66	5	132647	25	#0	QPSK	21.83	24.23
Band66	5	132647	1	#0	16QAM	21.75	24.15
Band66	5	132647	1	#Mid	16QAM	21.97	24.37
Band66	5	132647	1	#Max	16QAM	22.08	24.48
Band66	5	132647	12	#0	16QAM	20.89	23.29
Band66	5	132647	12	#Mid	16QAM	20.95	23.35
Band66	5	132647	12	#Max	16QAM	21.15	23.55
Band66	5	132647	25	#0	16QAM	21.04	23.44
Band66	10	132022	1	#0	QPSK	22.77	25.17
Band66	10	132022	1	#Mid	QPSK	22.98	25.38
Band66	10	132022	1	#Max	QPSK	22.48	24.88
Band66	10	132022	25	#0	QPSK	21.99	24.39
Band66	10	132022	25	#Mid	QPSK	21.90	24.30
Band66	10	132022	25	#Max	QPSK	22.03	24.43
Band66	10	132022	50	#0	QPSK	22.08	24.48

Band66	10	132322	1	#0	QPSK	23.08	25.48
Band66	10	132322	1	#Mid	QPSK	23.23	25.63
Band66	10	132322	1	#Max	QPSK	22.91	25.31
Band66	10	132322	25	#0	QPSK	22.38	24.78
Band66	10	132322	25	#Mid	QPSK	22.38	24.78
Band66	10	132322	25	#Max	QPSK	22.34	24.74
Band66	10	132322	50	#0	QPSK	22.45	24.85
Band66	10	132622	1	#0	QPSK	22.49	24.89
Band66	10	132622	1	#Mid	QPSK	23.00	25.40
Band66	10	132622	1	#Max	QPSK	22.50	24.90
Band66	10	132622	25	#0	QPSK	21.55	23.95
Band66	10	132622	25	#Mid	QPSK	21.64	24.04
Band66	10	132622	25	#Max	QPSK	21.96	24.36
Band66	10	132622	50	#0	QPSK	22.06	24.46
Band66	15	132047	1	#0	QPSK	22.83	25.23
Band66	15	132047	1	#Mid	QPSK	22.86	25.26
Band66	15	132047	1	#Max	QPSK	22.77	25.17
Band66	15	132047	36	#0	QPSK	22.08	24.48
Band66	15	132047	36	#Mid	QPSK	21.94	24.34
Band66	15	132047	36	#Max	QPSK	22.09	24.49
Band66	15	132047	75	#0	QPSK	21.92	24.32
Band66	15	132322	1	#0	QPSK	23.17	25.57
Band66	15	132322	1	#Mid	QPSK	23.22	25.62
Band66	15	132322	1	#Max	QPSK	23.08	25.48
Band66	15	132322	36	#0	QPSK	22.57	24.97
Band66	15	132322	36	#Mid	QPSK	22.66	25.06
Band66	15	132322	36	#Max	QPSK	22.59	24.99
Band66	15	132322	75	#0	QPSK	22.41	24.81
Band66	15	132597	1	#0	QPSK	22.46	24.86
Band66	15	132597	1	#Mid	QPSK	22.60	25.00
Band66	15	132597	1	#Max	QPSK	22.87	25.27
Band66	15	132597	36	#0	QPSK	21.68	24.08
Band66	15	132597	36	#Mid	QPSK	21.75	24.15
Band66	15	132597	36	#Max	QPSK	22.06	24.46
Band66	15	132597	75	#0	QPSK	21.84	24.24
Band66	20	132072	1	#0	QPSK	22.96	25.36
Band66	20	132072	1	#Mid	QPSK	22.83	25.23
Band66	20	132072	1	#Max	QPSK	23.02	25.42
Band66	20	132072	50	#0	QPSK	22.19	24.59
Band66	20	132072	50	#Mid	QPSK	22.21	24.61
Band66	20	132072	50	#Max	QPSK	22.51	24.91
Band66	20	132072	100	#0	QPSK	22.00	24.40
Band66	20	132322	1	#0	QPSK	23.12	25.52

Band66	20	132322	1	#Mid	QPSK	23.33	25.73
Band66	20	132322	1	#Max	QPSK	22.89	25.29
Band66	20	132322	50	#0	QPSK	22.64	25.04
Band66	20	132322	50	#Mid	QPSK	22.72	25.12
Band66	20	132322	50	#Max	QPSK	22.75	25.15
Band66	20	132322	100	#0	QPSK	22.43	24.83
Band66	20	132572	1	#0	QPSK	22.72	25.12
Band66	20	132572	1	#Mid	QPSK	22.72	25.12
Band66	20	132572	1	#Max	QPSK	22.84	25.24
Band66	20	132572	50	#0	QPSK	21.81	24.21
Band66	20	132572	50	#Mid	QPSK	21.82	24.22
Band66	20	132572	50	#Max	QPSK	22.25	24.65
Band66	20	132572	100	#0	QPSK	21.93	24.33

6.2. Occupied Bandwidth

Mode	Channel	Frequency (MHz)	99% Power Bandwidth (MHz)	-26dBc Bandwidth (MHz)
GPRS 850 (GMSK)	128	824.2	0.24	0.29
	190	836.6	0.23	0.29
	251	848.8	0.23	0.29
EGPRS 850 (8PSK)	128	824.2	0.24	0.30
	190	836.6	0.24	0.30
	251	848.8	0.23	0.31

Mode	Channel	Frequency (MHz)	99% Power Bandwidth (MHz)	-26dBc Bandwidth (MHz)
GPRS 1900 (GMSK)	512	1850.2	0.24	0.29
	661	1880	0.23	0.29
	810	1909.8	0.23	0.29
EGPRS1900 (8PSK)	512	1850.2	0.23	0.30
	661	1880	0.23	0.29
	810	1909.8	0.24	0.30

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)
Band2	1.4	18607	6	#0	QPSK	1.098	1.424
Band2	1.4	18607	6	#0	16QAM	1.098	1.436
Band2	1.4	18900	6	#0	QPSK	1.102	1.434
Band2	1.4	18900	6	#0	16QAM	1.092	1.455
Band2	1.4	19193	6	#0	QPSK	1.095	1.423
Band2	1.4	19193	6	#0	16QAM	1.105	1.442
Band2	3	18615	15	#0	QPSK	2.692	3.103
Band2	3	18615	15	#0	16QAM	2.677	3.316
Band2	3	18900	15	#0	QPSK	2.695	3.108
Band2	3	18900	15	#0	16QAM	2.701	3.276
Band2	3	19185	15	#0	QPSK	2.698	3.270
Band2	3	19185	15	#0	16QAM	2.692	3.219
Band2	5	18625	25	#0	QPSK	4.472	5.026
Band2	5	18625	25	#0	16QAM	4.472	4.930
Band2	5	18900	25	#0	QPSK	4.474	5.009
Band2	5	18900	25	#0	16QAM	4.482	5.100

Band2	5	19175	25	#0	QPSK	4.470	4.952
Band2	5	19175	25	#0	16QAM	4.481	4.969
Band2	10	18650	50	#0	QPSK	8.937	9.480
Band2	10	18900	50	#0	QPSK	8.961	9.567
Band2	10	19150	50	#0	QPSK	8.926	9.591
Band2	15	18675	75	#0	QPSK	13.473	16.446
Band2	15	18900	75	#0	QPSK	13.460	16.121
Band2	15	19125	75	#0	QPSK	13.433	15.772
Band2	20	18700	100	#0	QPSK	17.936	20.816
Band2	20	18900	100	#0	QPSK	18.006	20.237
Band2	20	19100	100	#0	QPSK	17.858	20.805

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)
Band4	1.4	19957	6	#0	QPSK	1.099	1.437
Band4	1.4	19957	6	#0	16QAM	1.094	1.365
Band4	1.4	20175	6	#0	QPSK	1.101	1.434
Band4	1.4	20175	6	#0	16QAM	1.089	1.428
Band4	1.4	20393	6	#0	QPSK	1.094	1.456
Band4	1.4	20393	6	#0	16QAM	1.097	1.420
Band4	3	19965	15	#0	QPSK	2.693	3.154
Band4	3	19965	15	#0	16QAM	2.696	3.248
Band4	3	20175	15	#0	QPSK	2.699	3.224
Band4	3	20175	15	#0	16QAM	2.680	3.053
Band4	3	20385	15	#0	QPSK	2.696	3.264
Band4	3	20385	15	#0	16QAM	2.683	3.165
Band4	5	19975	25	#0	QPSK	4.498	5.023
Band4	5	19975	25	#0	16QAM	4.471	5.049
Band4	5	20175	25	#0	QPSK	4.462	5.051
Band4	5	20175	25	#0	16QAM	4.465	5.078
Band4	5	20375	25	#0	QPSK	4.482	5.053
Band4	5	20375	25	#0	16QAM	4.472	4.971
Band4	10	20000	50	#0	QPSK	8.942	9.623
Band4	10	20175	50	#0	QPSK	8.915	9.583
Band4	10	20350	50	#0	QPSK	8.969	9.693
Band4	15	20025	75	#0	QPSK	13.500	16.016
Band4	15	20175	75	#0	QPSK	13.448	15.576
Band4	15	20325	75	#0	QPSK	13.489	16.170
Band4	20	20050	100	#0	QPSK	17.928	20.983
Band4	20	20175	100	#0	QPSK	17.919	20.778
Band4	20	20300	100	#0	QPSK	17.937	21.326

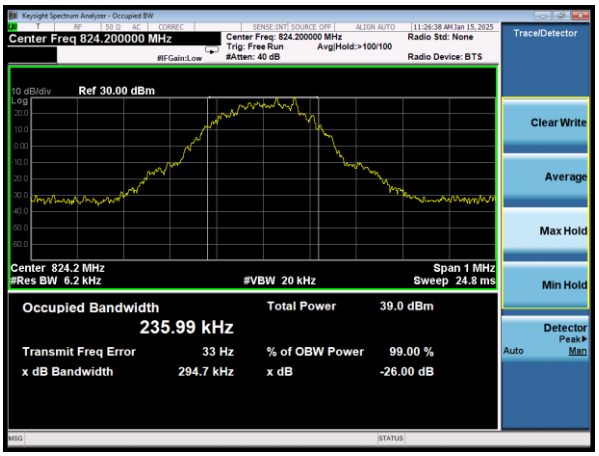
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)
Band5	1.4	20407	6	#0	QPSK	1.101	1.427
Band5	1.4	20407	6	#0	16QAM	1.095	1.442
Band5	1.4	20525	6	#0	QPSK	1.096	1.430
Band5	1.4	20525	6	#0	16QAM	1.093	1.399
Band5	1.4	20643	6	#0	QPSK	1.097	1.417
Band5	1.4	20643	6	#0	16QAM	1.102	1.465
Band5	3	20415	15	#0	QPSK	2.685	3.260
Band5	3	20415	15	#0	16QAM	2.684	3.106
Band5	3	20525	15	#0	QPSK	2.700	3.256
Band5	3	20525	15	#0	16QAM	2.697	3.174
Band5	3	20635	15	#0	QPSK	2.700	3.219
Band5	3	20635	15	#0	16QAM	2.699	3.141
Band5	5	20425	25	#0	QPSK	4.499	5.025
Band5	5	20425	25	#0	16QAM	4.484	4.999
Band5	5	20525	25	#0	QPSK	4.479	4.971
Band5	5	20525	25	#0	16QAM	4.461	5.153
Band5	5	20625	25	#0	QPSK	4.468	4.981
Band5	5	20625	25	#0	16QAM	4.462	4.982
Band5	10	20450	50	#0	QPSK	8.965	9.594
Band5	10	20450	50	#0	16QAM	8.966	9.538
Band5	10	20525	50	#0	QPSK	8.962	9.537
Band5	10	20525	50	#0	16QAM	8.916	9.570
Band5	10	20600	50	#0	QPSK	8.961	9.658
Band5	10	20600	50	#0	16QAM	8.933	9.568

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)
Band7	5	20775	25	#0	QPSK	4.475	5.035
Band7	5	20775	25	#0	16QAM	4.476	5.004
Band7	5	21100	25	#0	QPSK	4.456	5.017
Band7	5	21100	25	#0	16QAM	4.486	5.012
Band7	5	21425	25	#0	QPSK	4.477	4.993
Band7	5	21425	25	#0	16QAM	4.468	4.963
Band7	10	20800	50	#0	QPSK	8.937	9.581
Band7	10	21100	50	#0	QPSK	8.941	9.587
Band7	10	21400	50	#0	QPSK	8.963	9.684
Band7	15	20825	75	#0	QPSK	13.455	15.990
Band7	15	21100	75	#0	QPSK	13.416	16.261
Band7	15	21375	75	#0	QPSK	13.515	15.920
Band7	20	20850	100	#0	QPSK	17.904	20.789

Band7	20	21100	100	#0	QPSK	17.945	22.485
Band7	20	21350	100	#0	QPSK	17.926	20.889

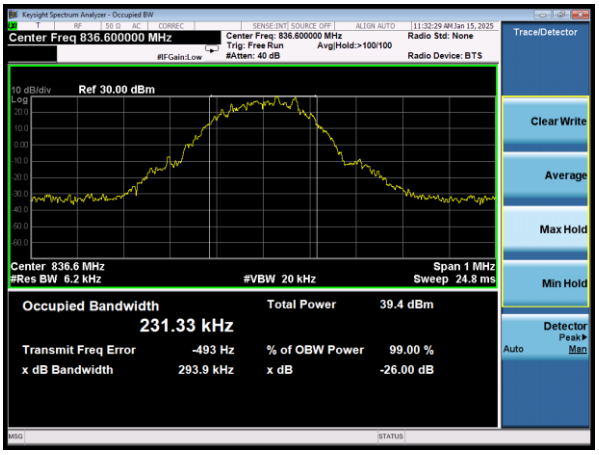
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)
Band66	1.4	131979	6	#0	QPSK	1.098	1.408
Band66	1.4	131979	6	#0	16QAM	1.098	1.338
Band66	1.4	132322	6	#0	QPSK	1.095	1.406
Band66	1.4	132322	6	#0	16QAM	1.099	1.403
Band66	1.4	132665	6	#0	QPSK	1.092	1.420
Band66	1.4	132665	6	#0	16QAM	1.097	1.472
Band66	3	131987	15	#0	QPSK	2.691	3.277
Band66	3	131987	15	#0	16QAM	2.682	3.060
Band66	3	132322	15	#0	QPSK	2.689	3.194
Band66	3	132322	15	#0	16QAM	2.682	3.139
Band66	3	132657	15	#0	QPSK	2.691	3.235
Band66	3	132657	15	#0	16QAM	2.694	3.225
Band66	5	131997	25	#0	QPSK	4.484	4.888
Band66	5	131997	25	#0	16QAM	4.470	5.072
Band66	5	132322	25	#0	QPSK	4.475	5.074
Band66	5	132322	25	#0	16QAM	4.452	4.992
Band66	5	132647	25	#0	QPSK	4.472	5.015
Band66	5	132647	25	#0	16QAM	4.463	5.020
Band66	10	132022	50	#0	QPSK	8.943	9.480
Band66	10	132322	50	#0	QPSK	8.939	9.576
Band66	10	132622	50	#0	QPSK	8.944	9.471
Band66	15	132047	75	#0	QPSK	13.509	16.156
Band66	15	132322	75	#0	QPSK	13.510	15.925
Band66	15	132597	75	#0	QPSK	13.468	15.773
Band66	20	132072	100	#0	QPSK	17.951	21.112
Band66	20	132322	100	#0	QPSK	17.972	21.465
Band66	20	132572	100	#0	QPSK	17.900	21.047

GSM 850 GPRS CH-Low

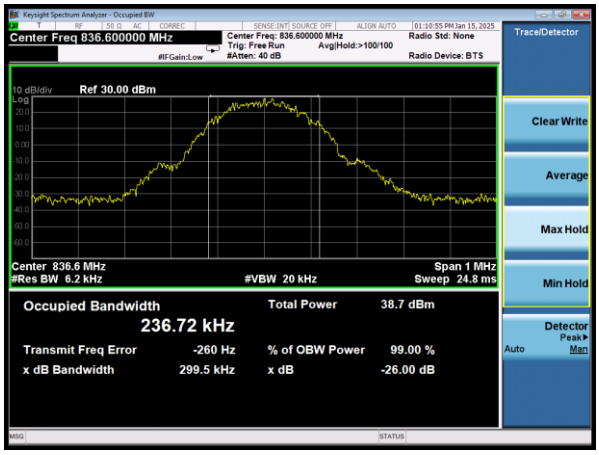


GSM 850 EGPRS CH-Low

GSM 850 GPRS CH-Middle



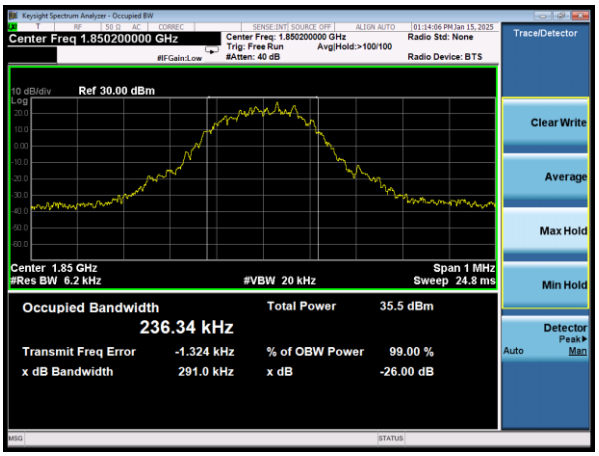
GSM 850 EGPRS CH-Middle



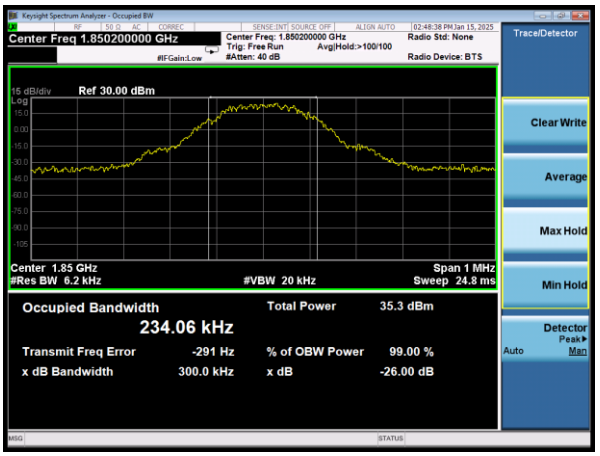
GSM 850 GPRS CH-High

GSM 850 EGPRS CH-High

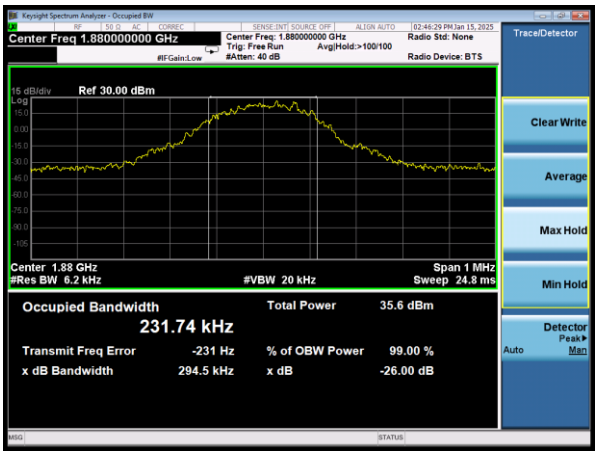
GSM 1900 GPRS CH-Low



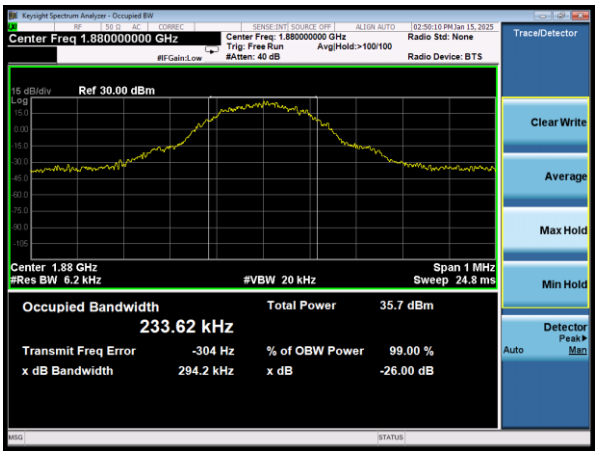
GSM 1900 EGPRS CH-Low



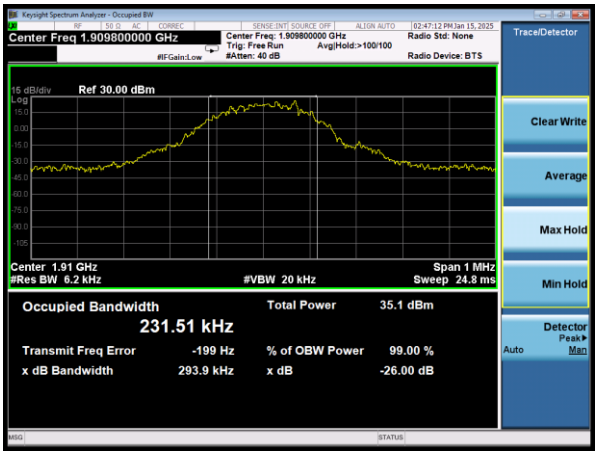
GSM 1900 GPRS CH-Middle



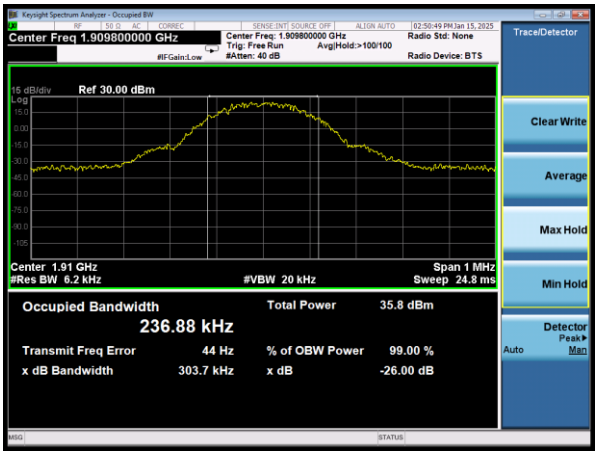
GSM 1900 EGPRS CH-Middle

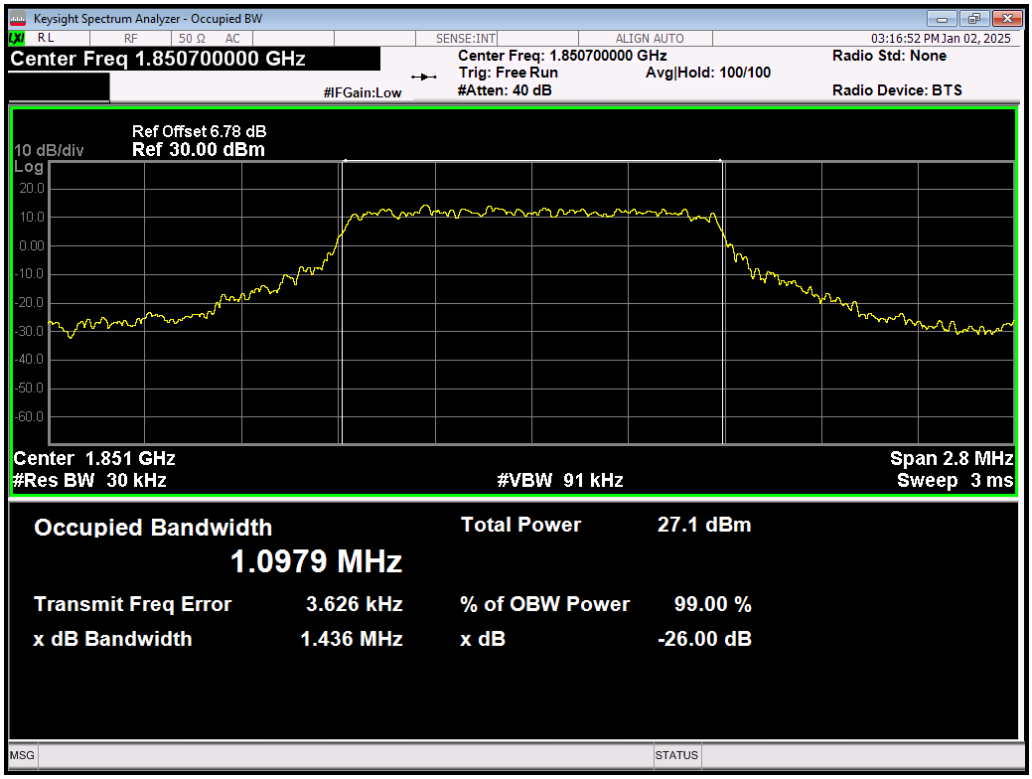


GSM 1900 GPRS CH-High

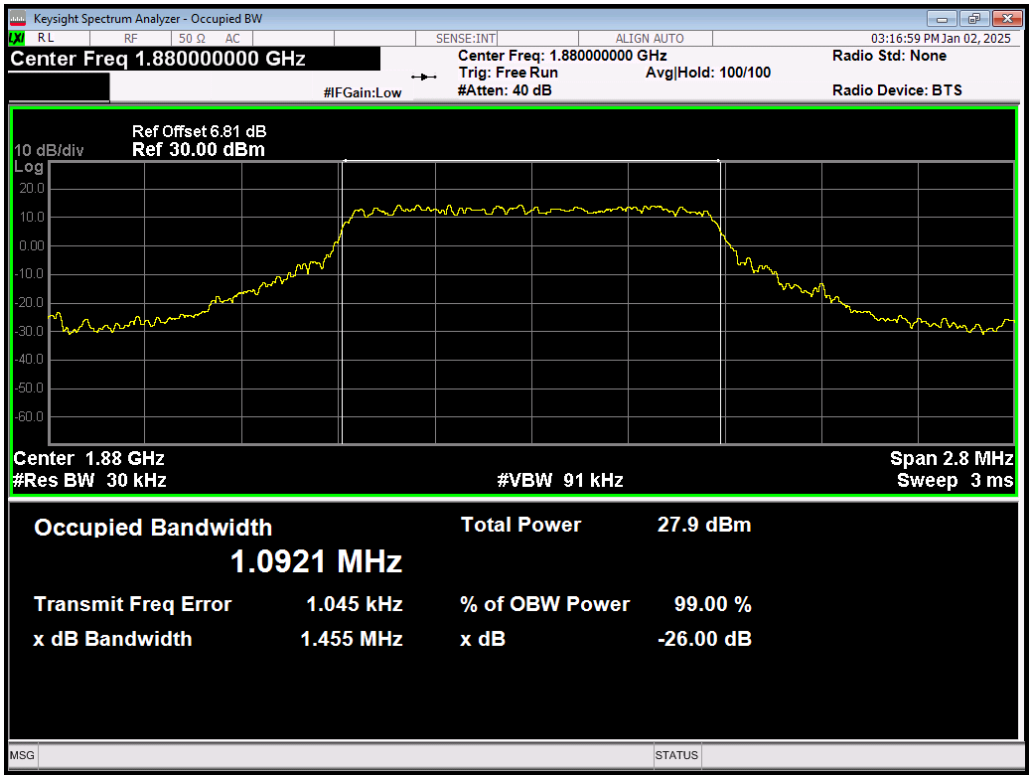


GSM 1900 EGPRS CH-High

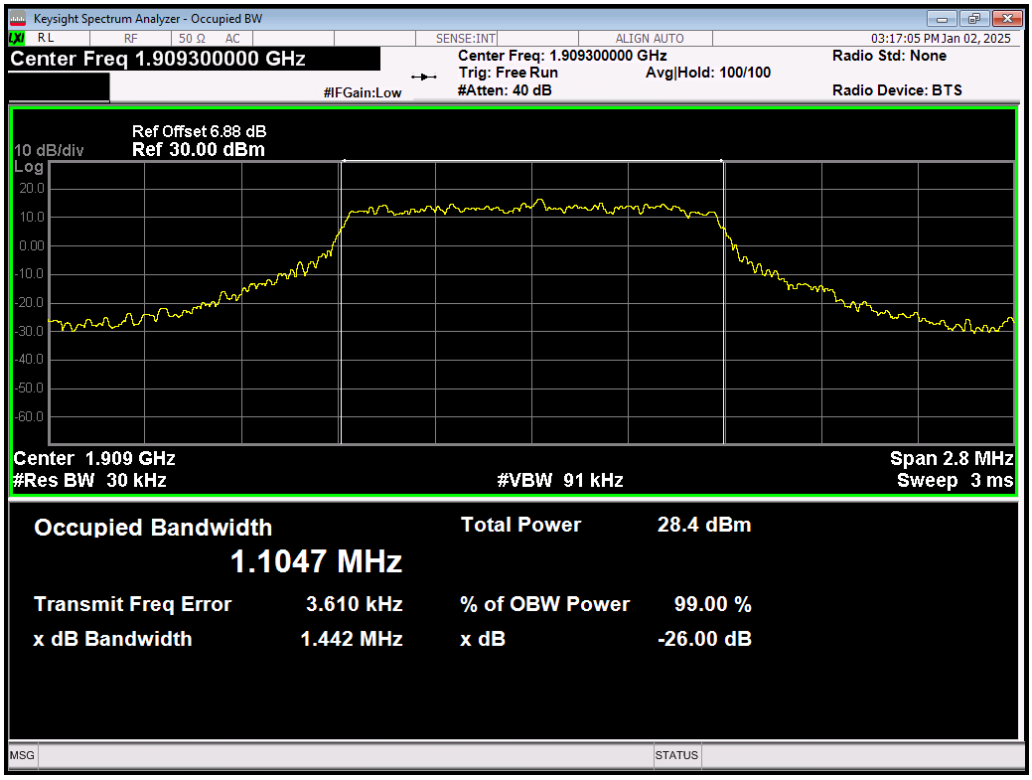




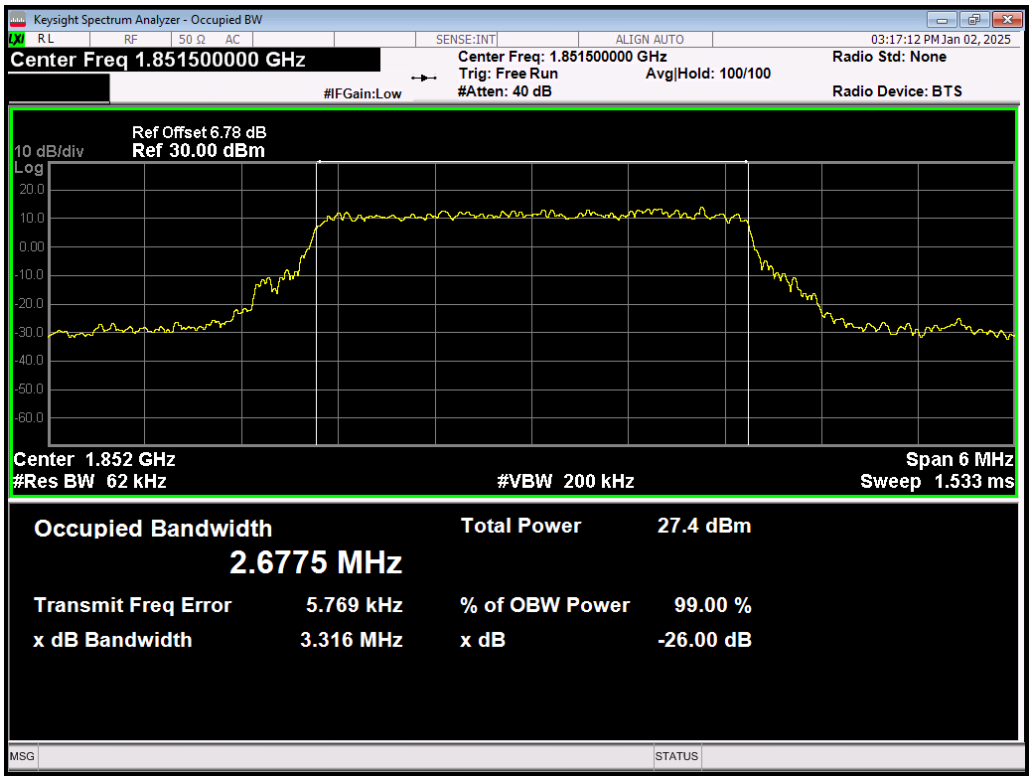
Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0



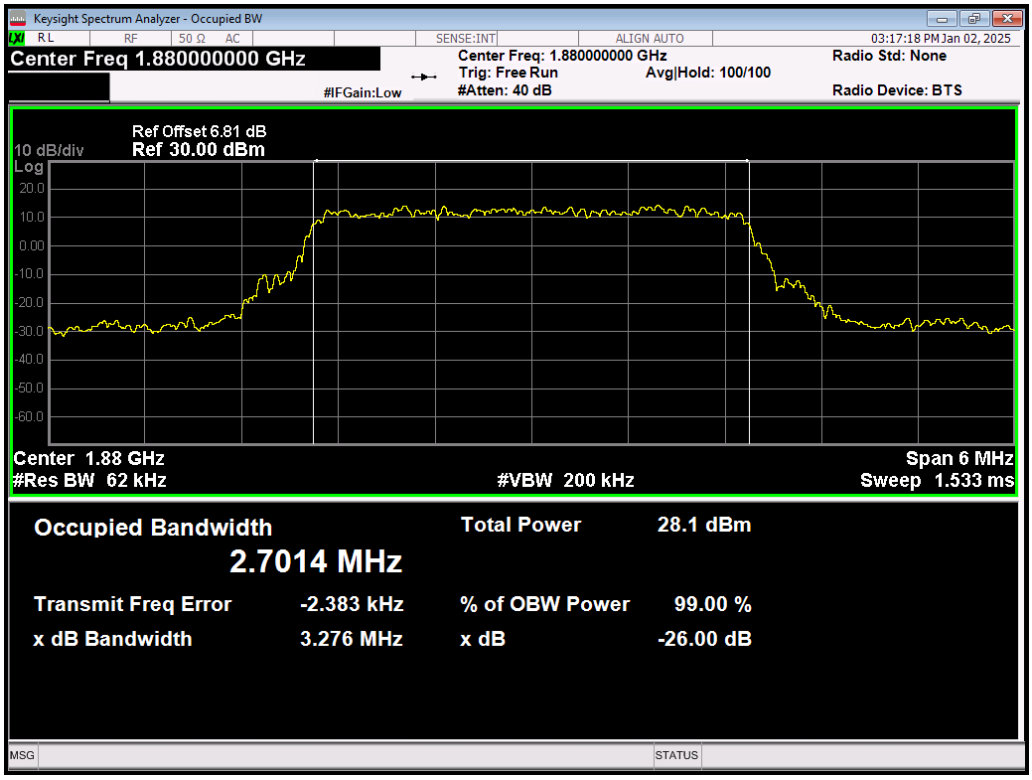
Band2 16QAM BW=1.4MHz Channel=18900 RB Size=6 Position=#0



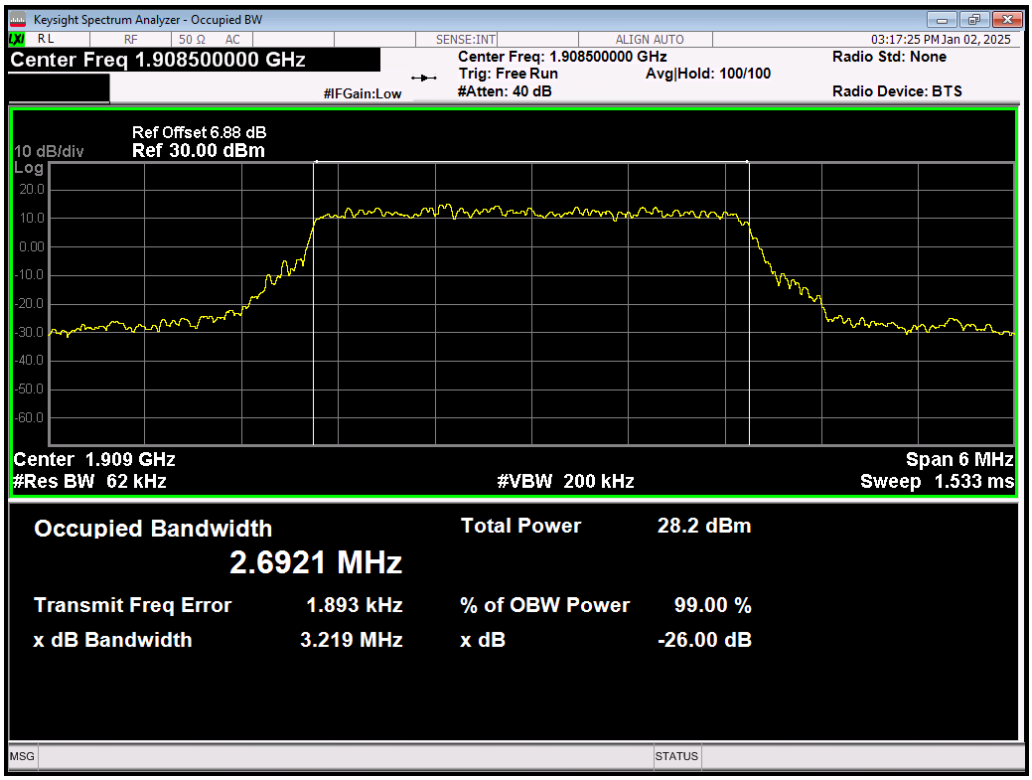
Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0



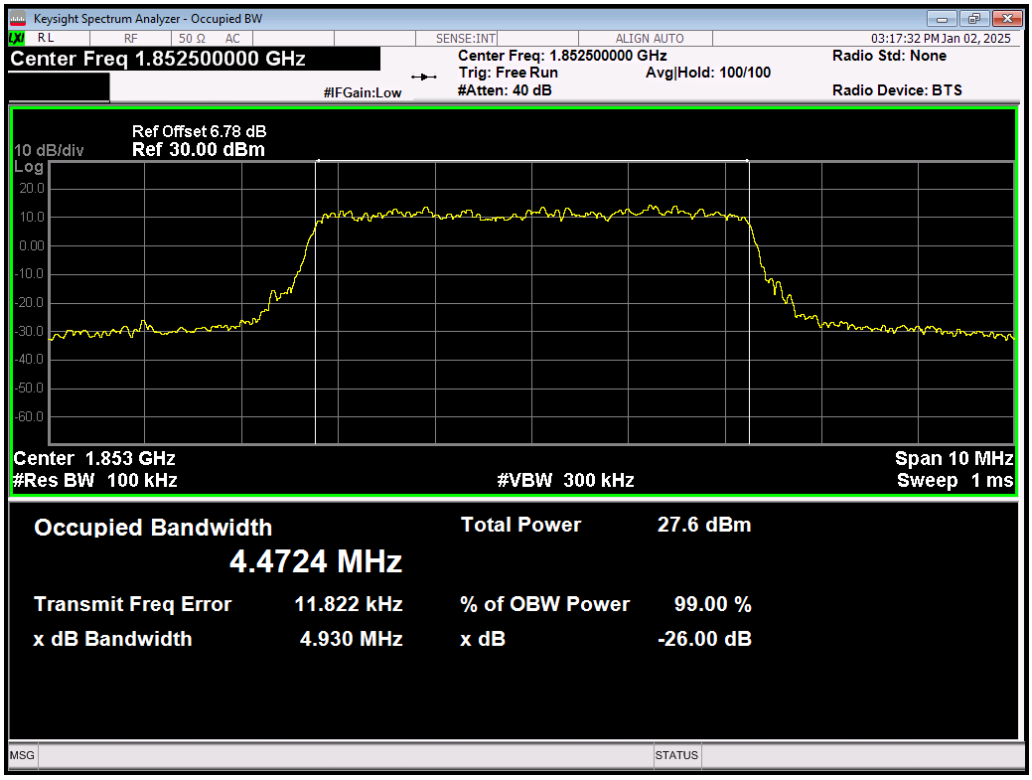
Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0



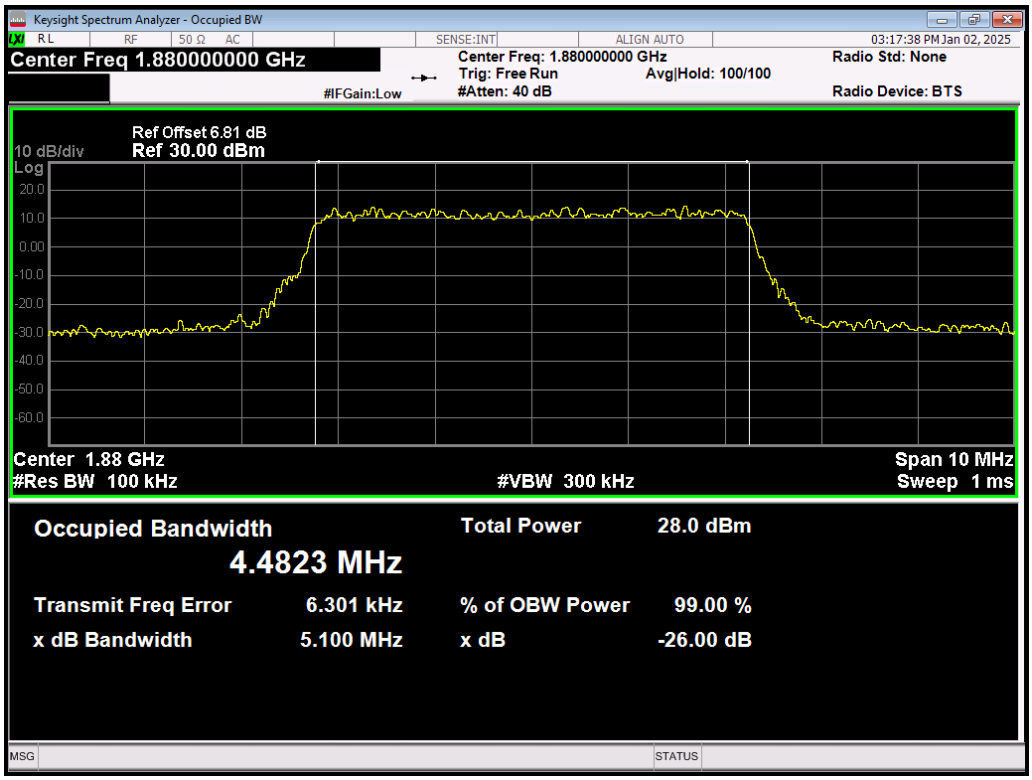
Band2 16QAM BW=3MHz Channel=18900 RB Size=15 Position=#0



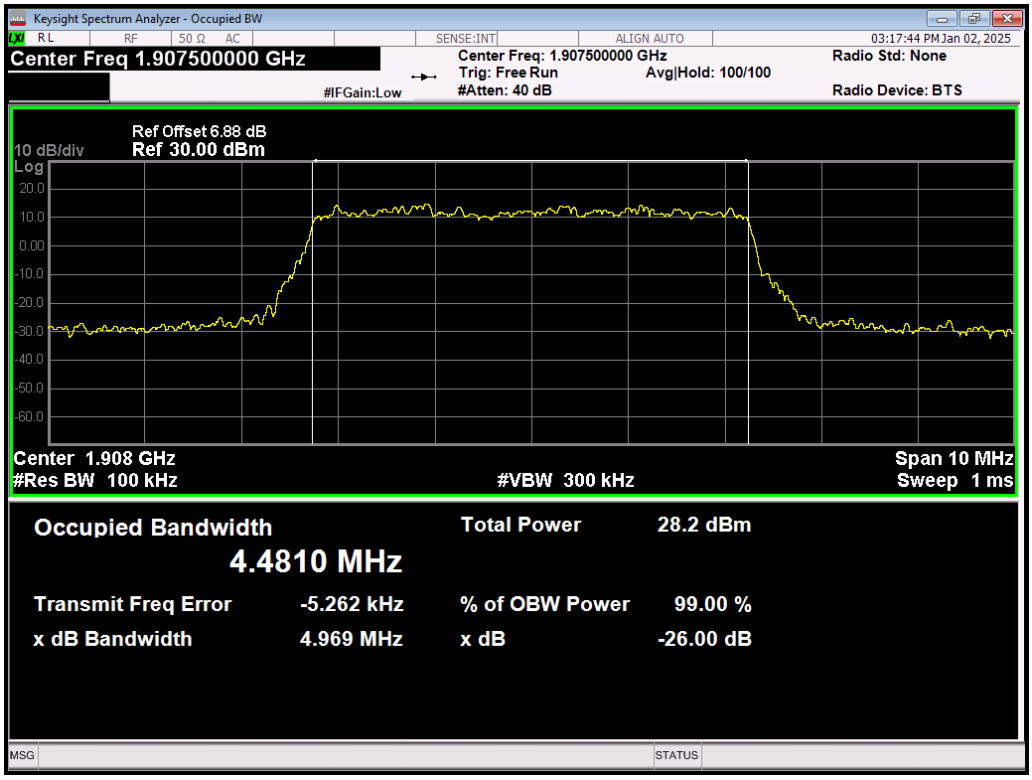
Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0



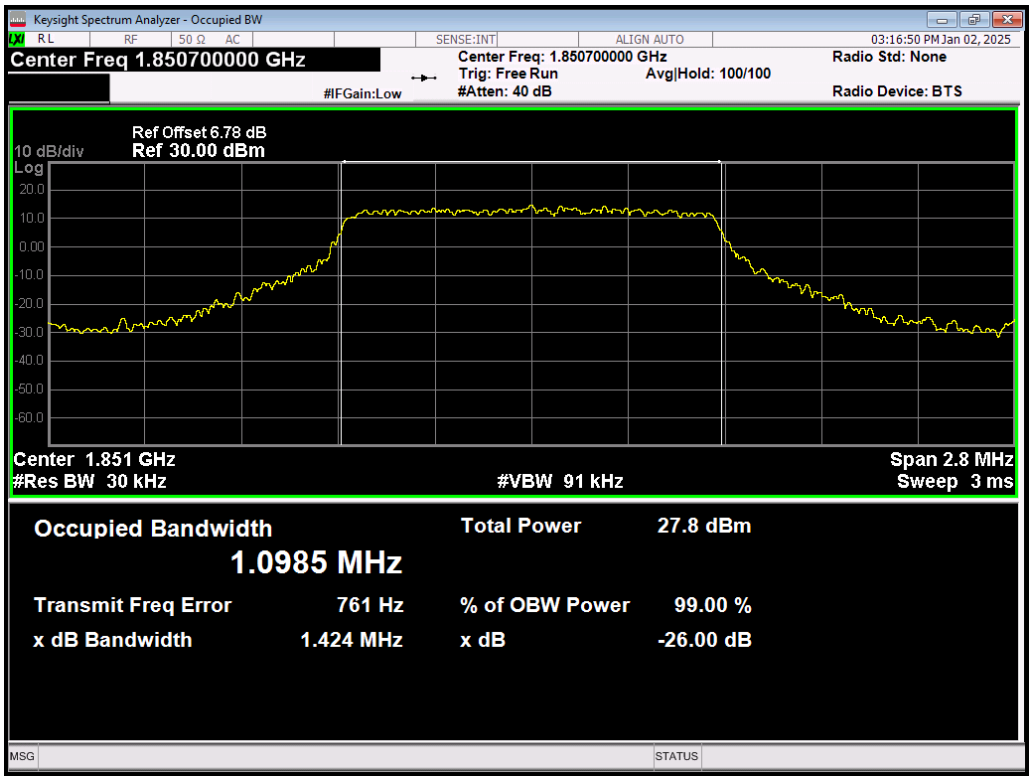
Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0



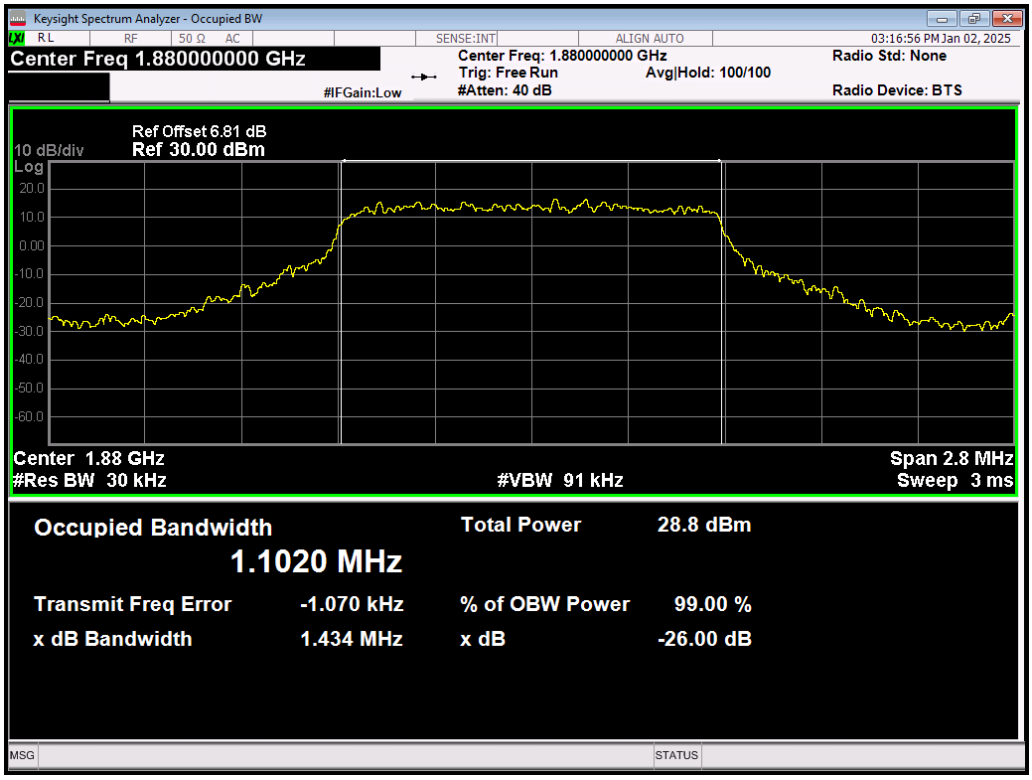
Band2 16QAM BW=5MHz Channel=18900 RB Size=25 Position=#0



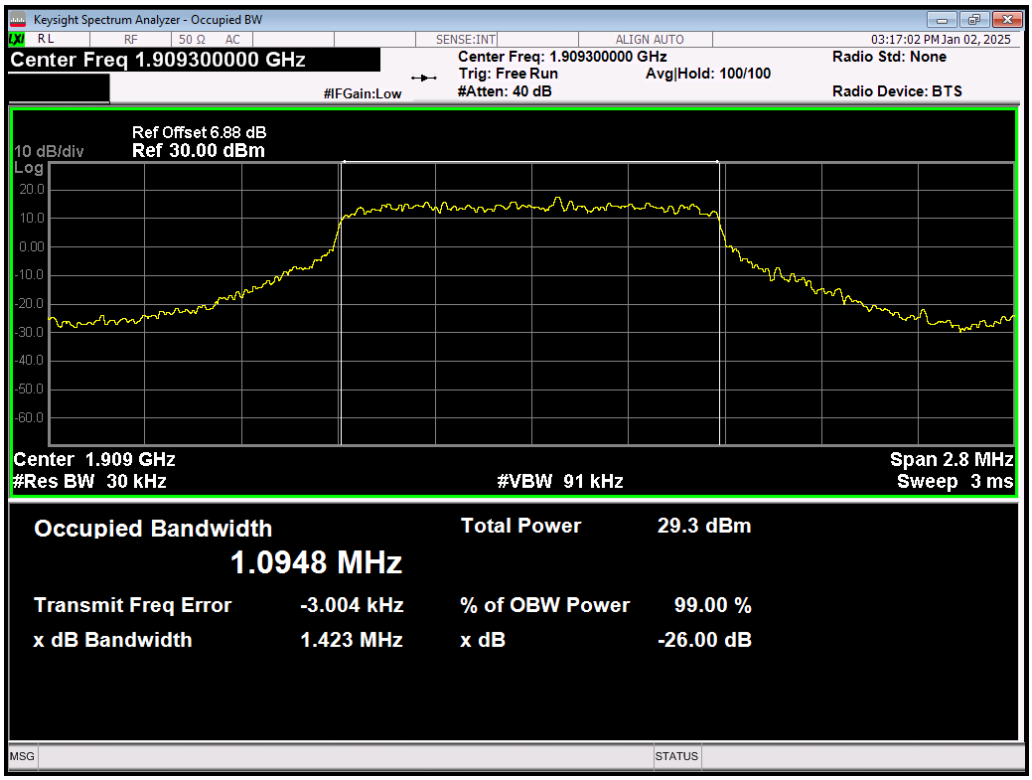
Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0



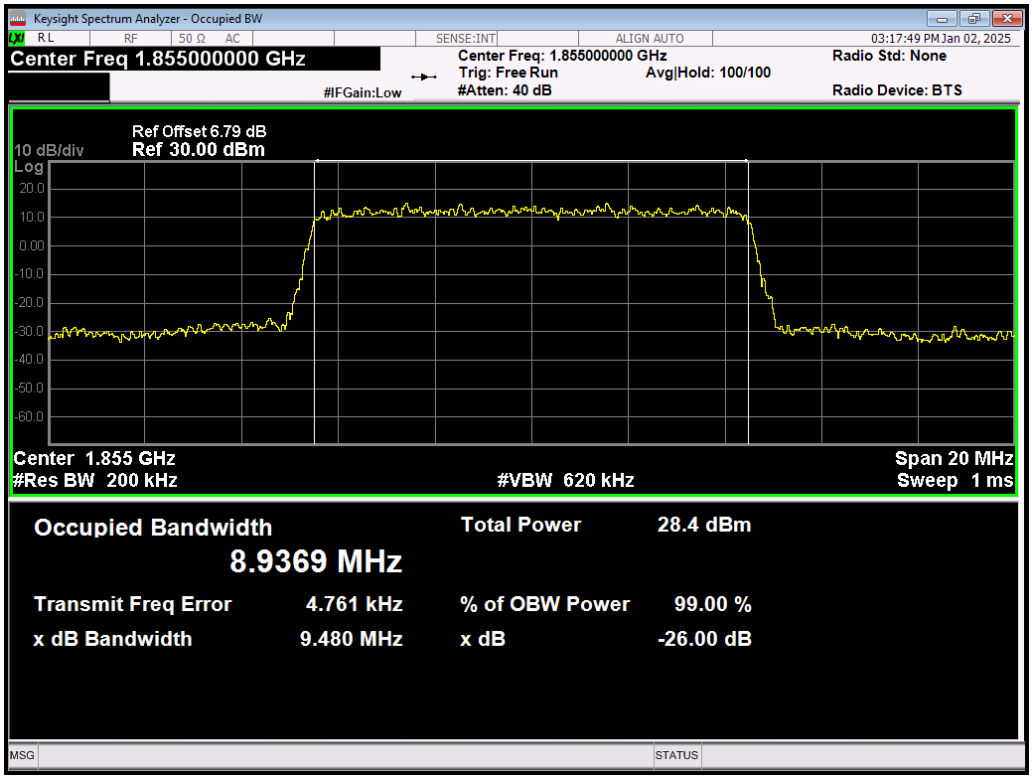
Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



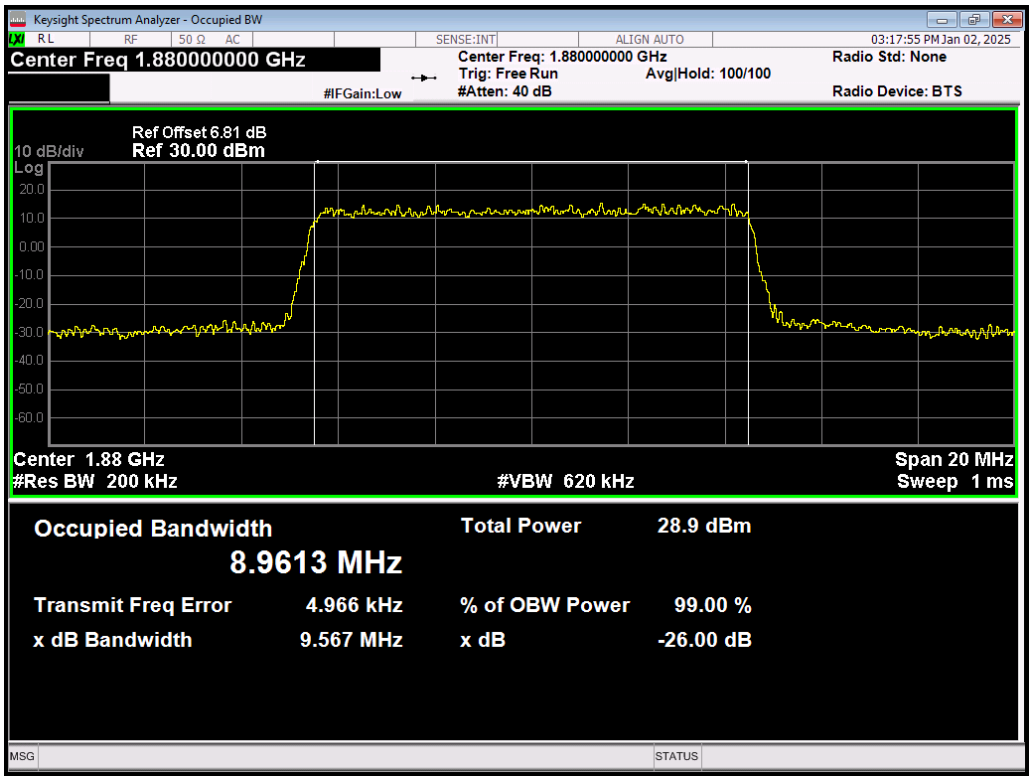
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0



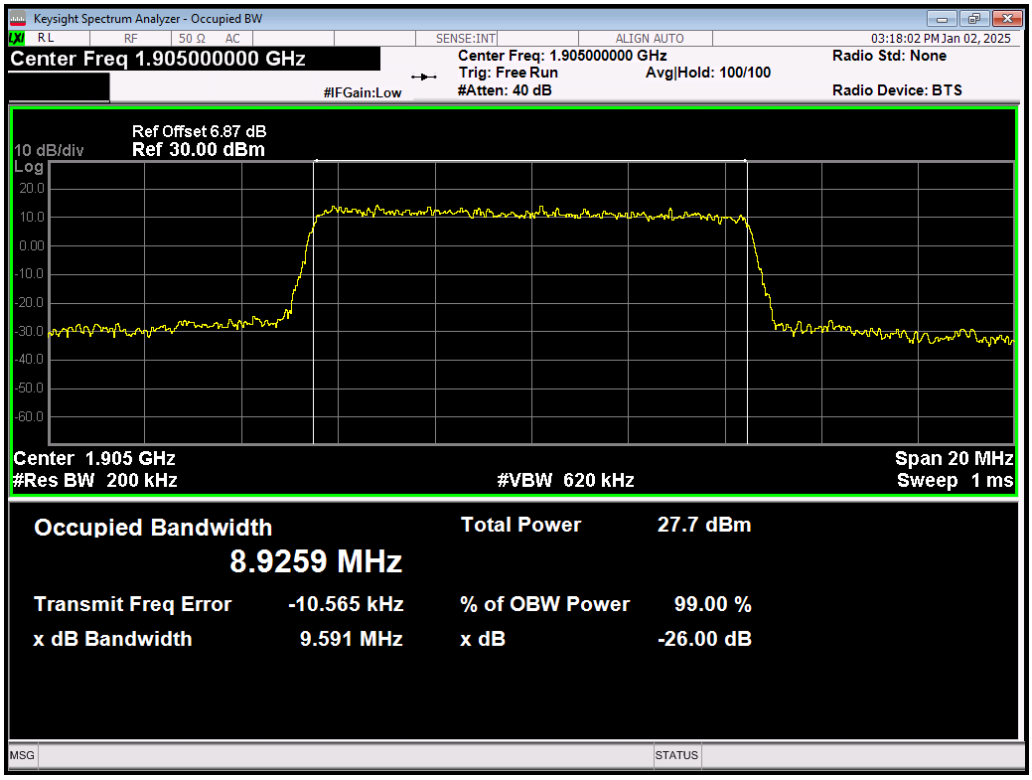
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



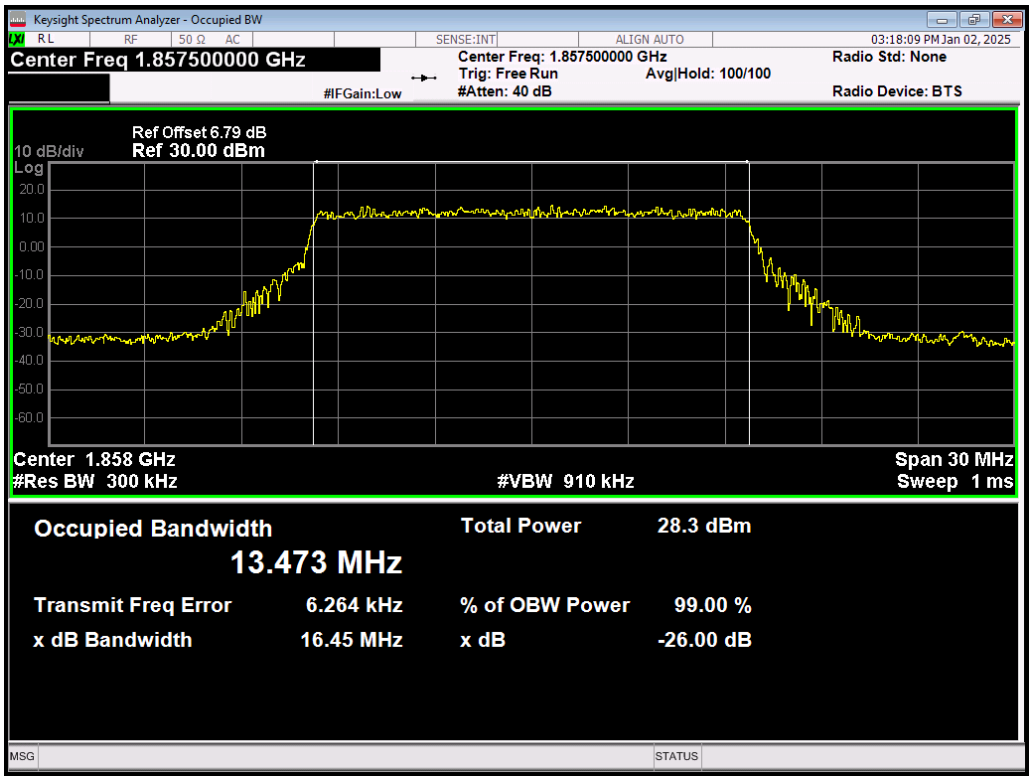
Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



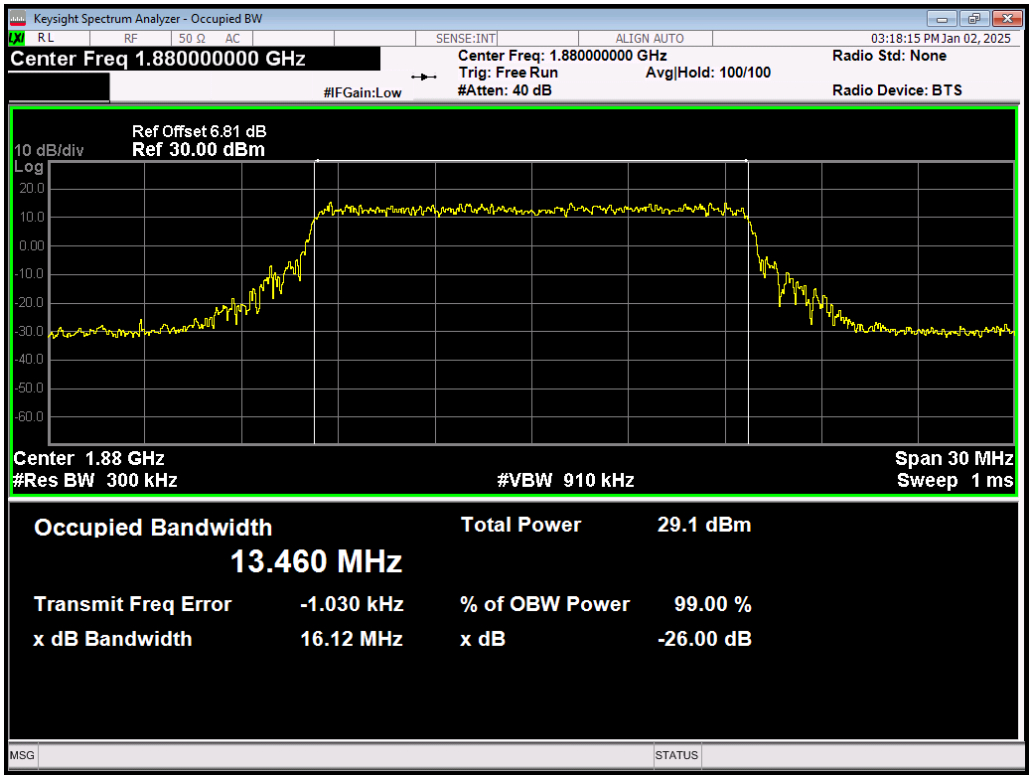
Band2 QPSK BW=10MHz Channel=18900 RB Size=50 Position=#0



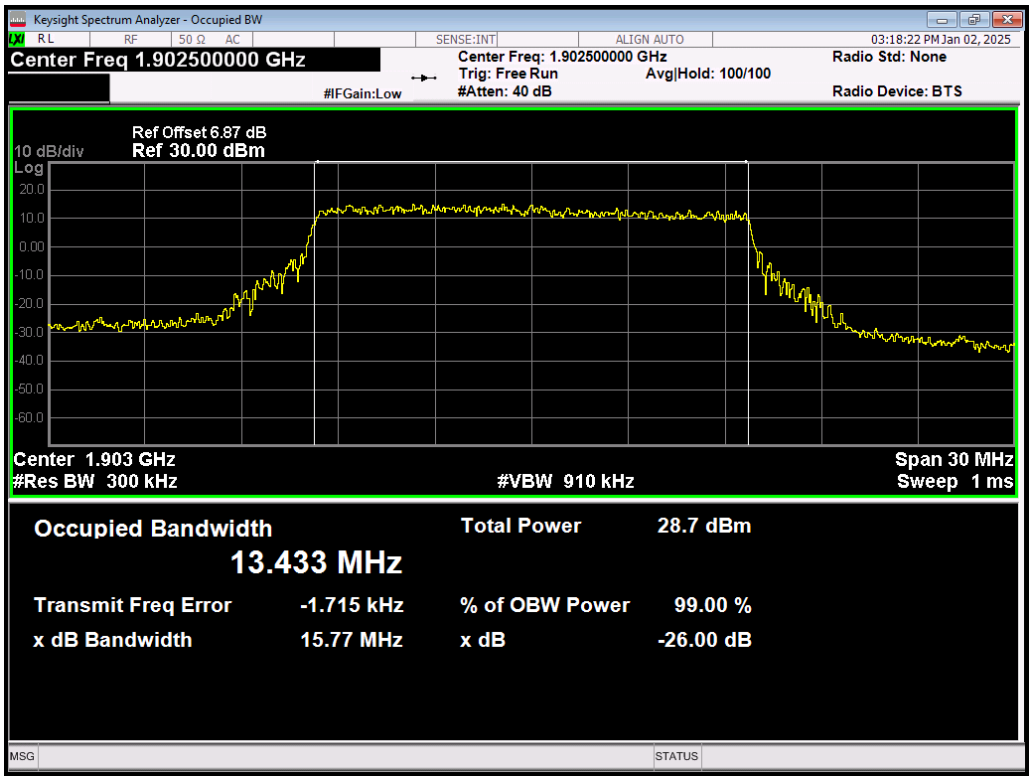
Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0



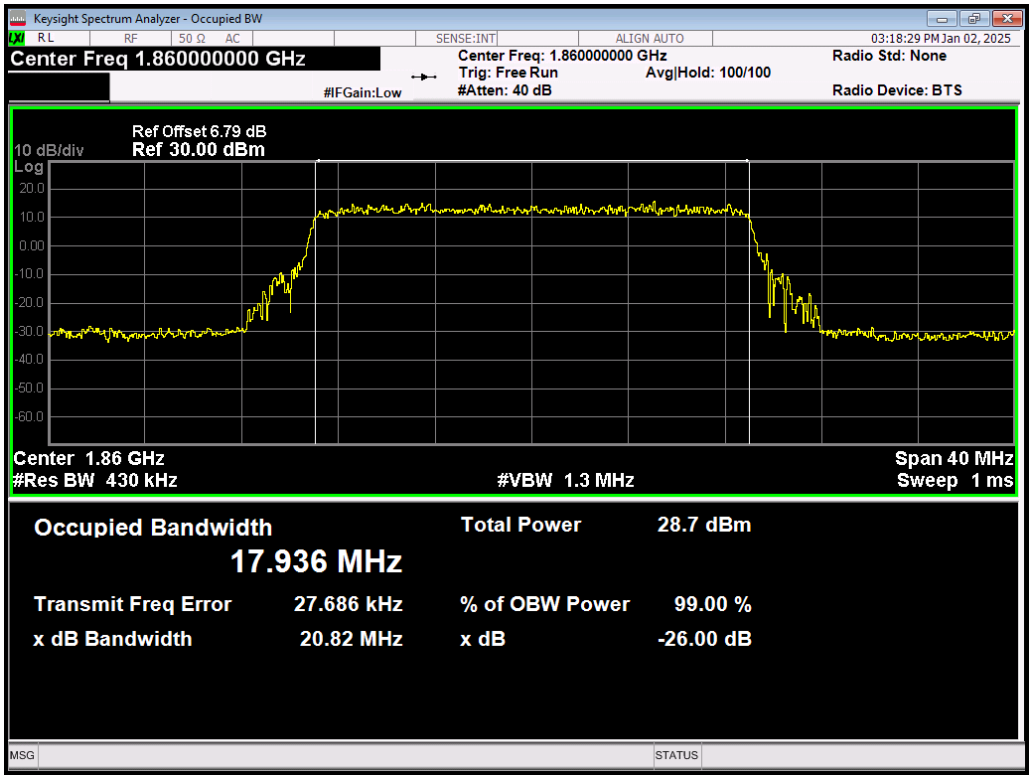
Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0



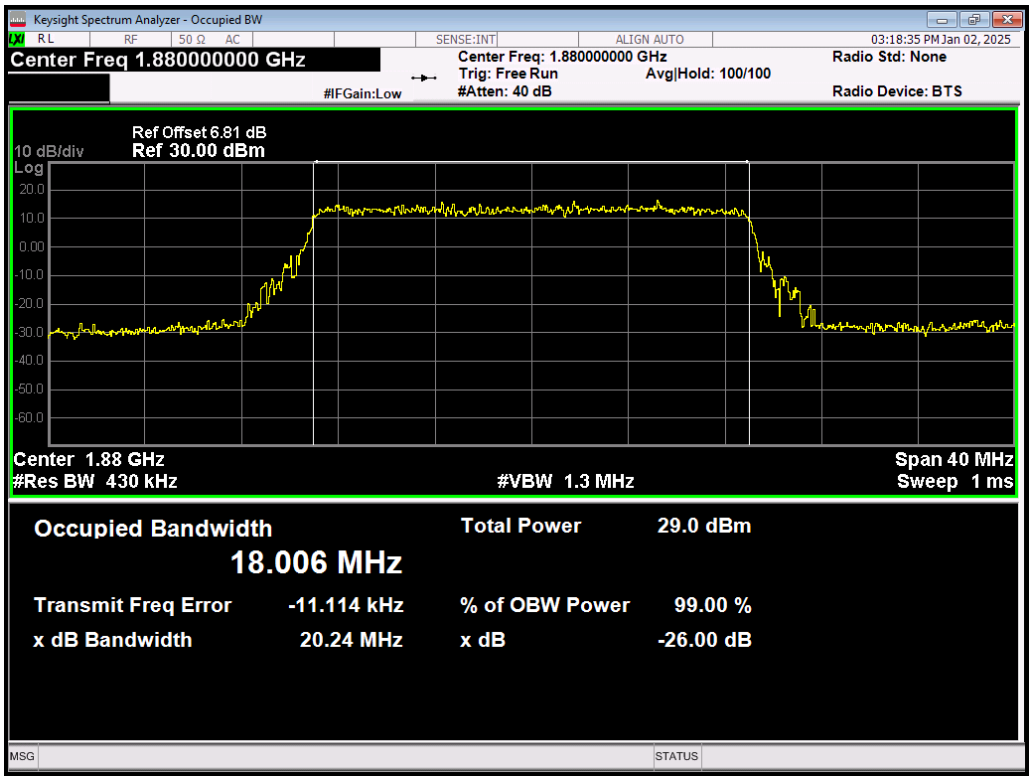
Band2 QPSK BW=15MHz Channel=18900 RB Size=75 Position=#0



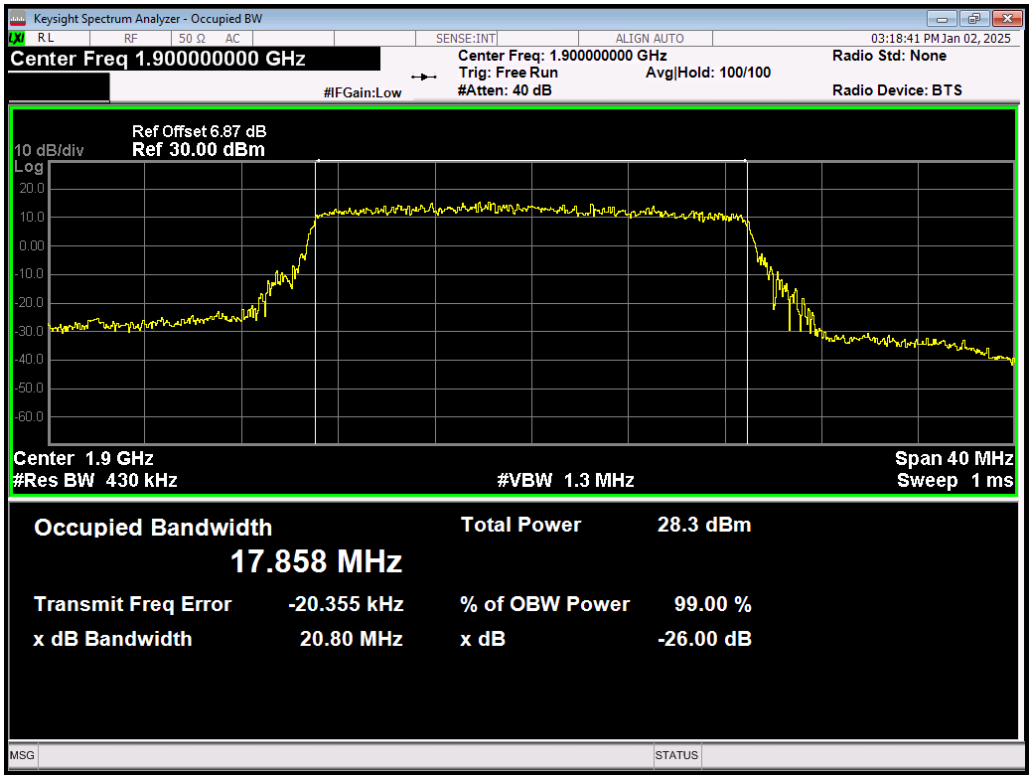
Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0



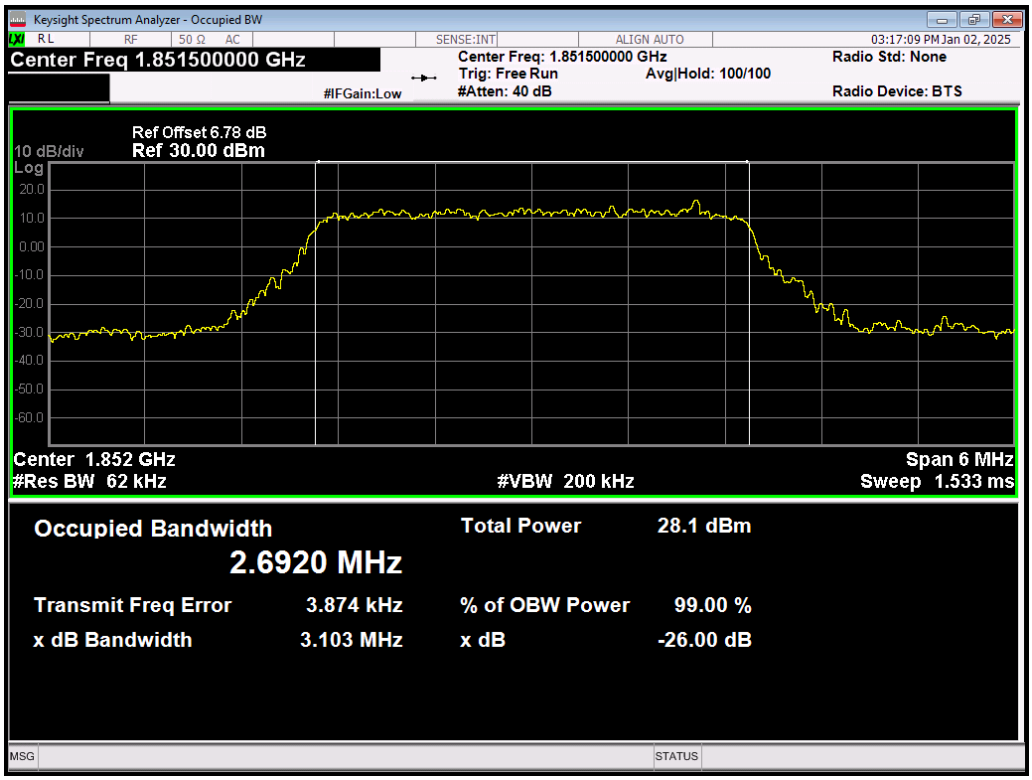
Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0



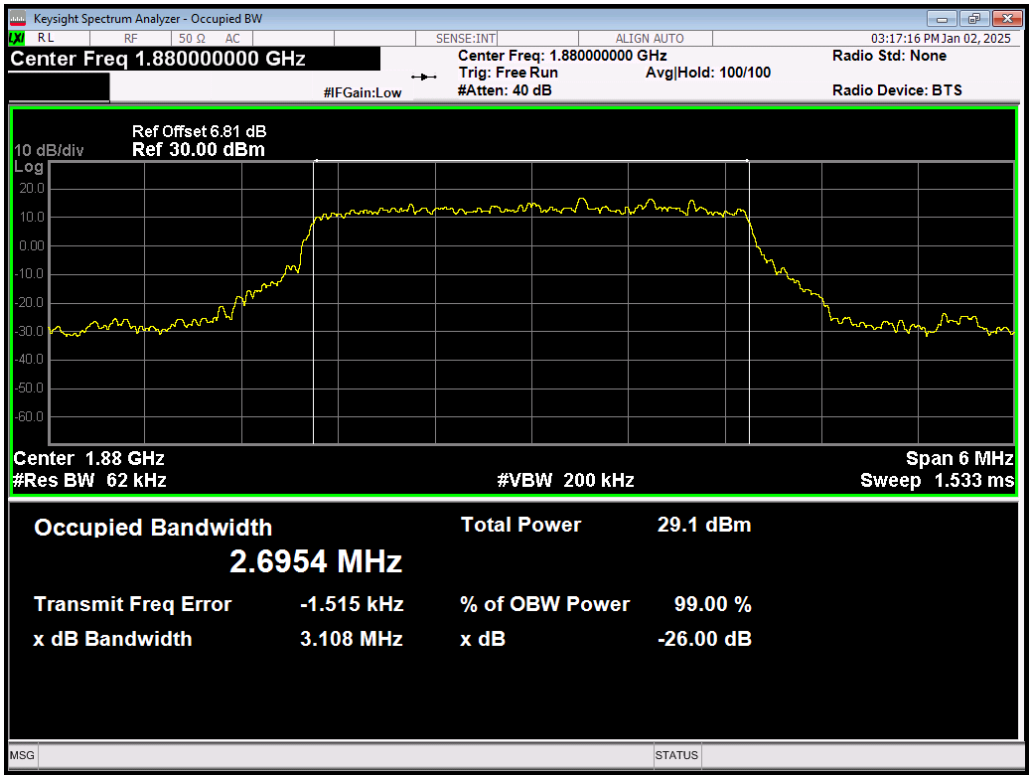
Band2 QPSK BW=20MHz Channel=18900 RB Size=100 Position=#0



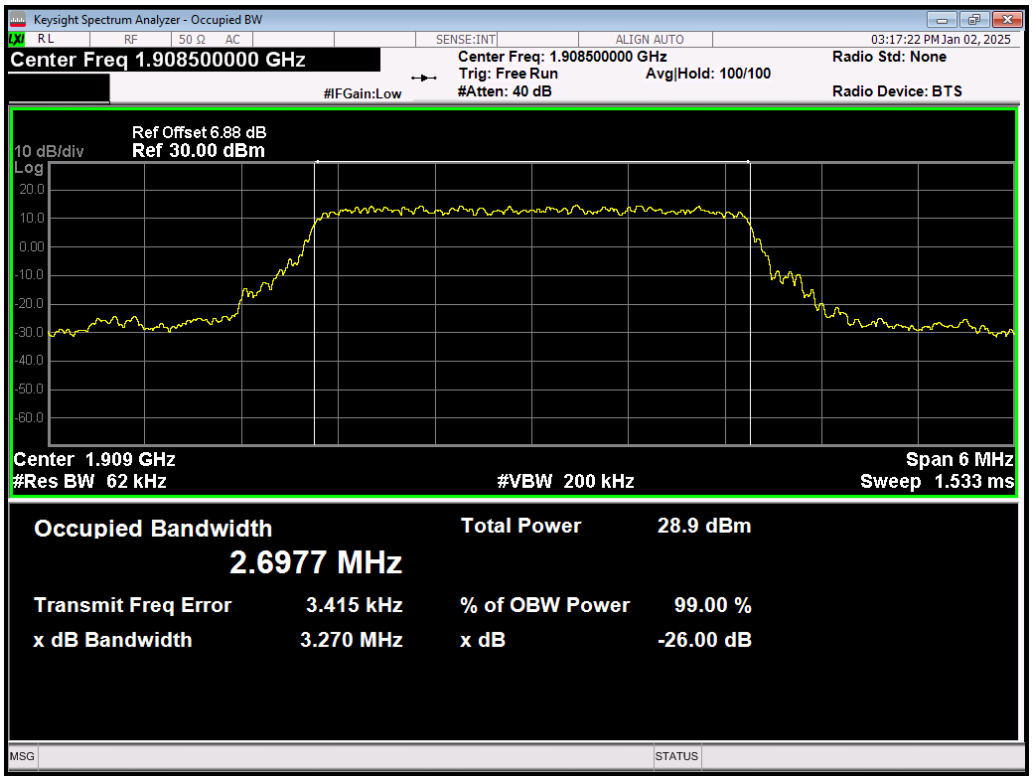
Band2 QPSK BW=20MHz Channel=19100 RB Size=100 Position=#0



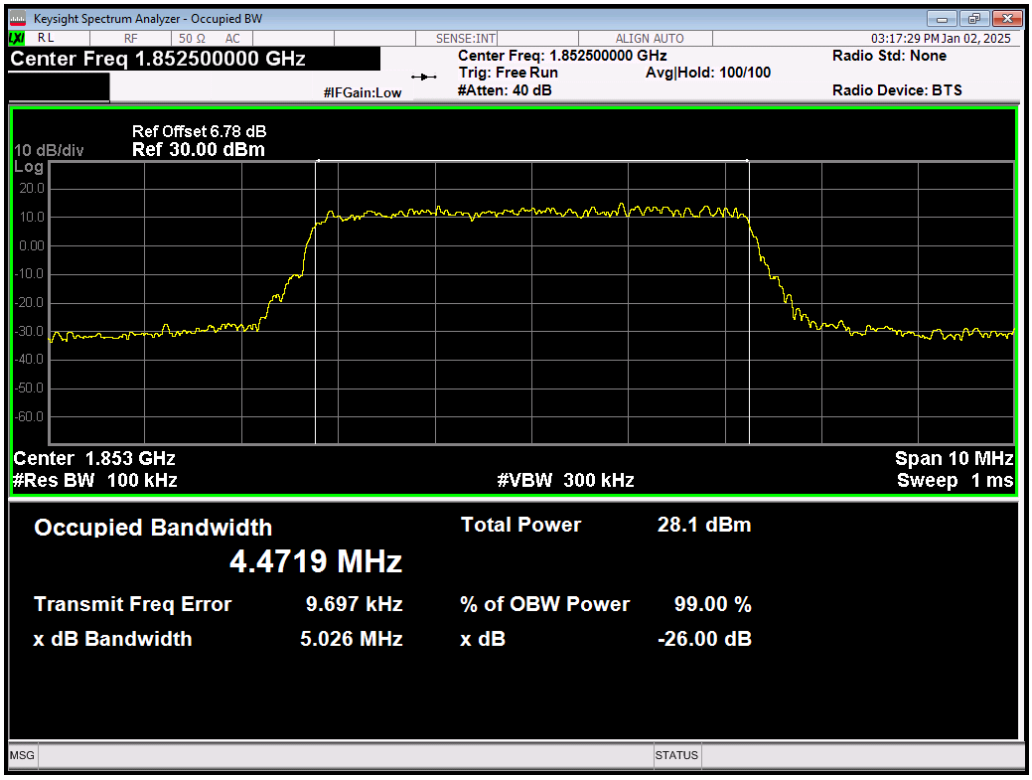
Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



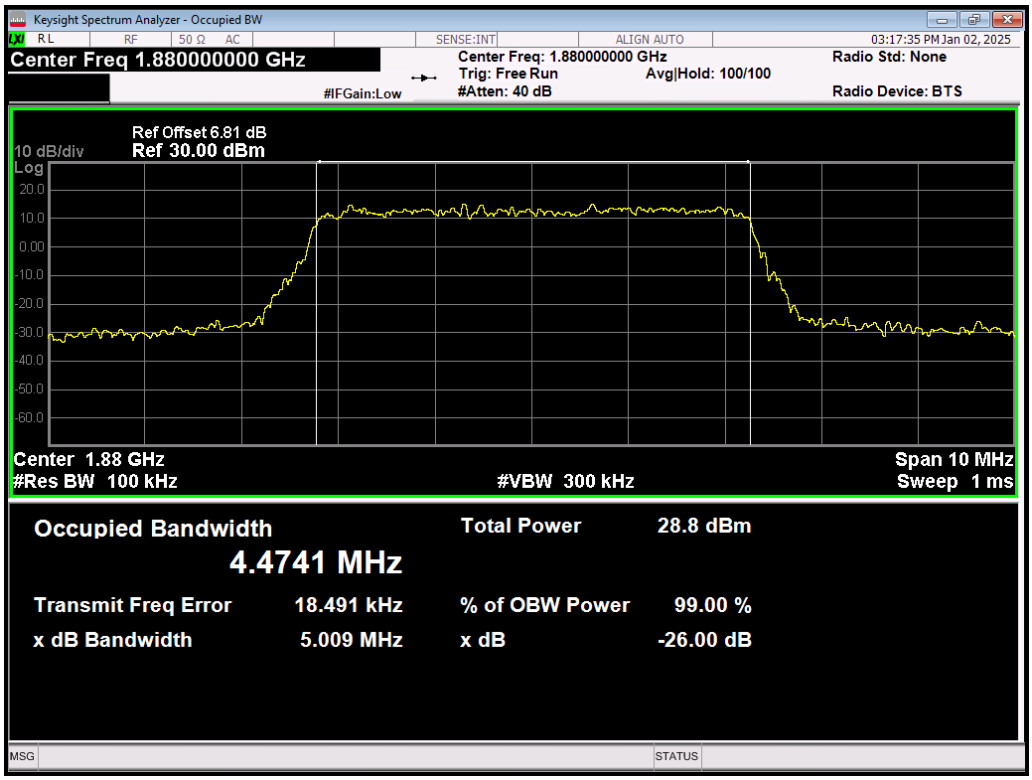
Band2 QPSK BW=3MHz Channel=18900 RB Size=15 Position=#0



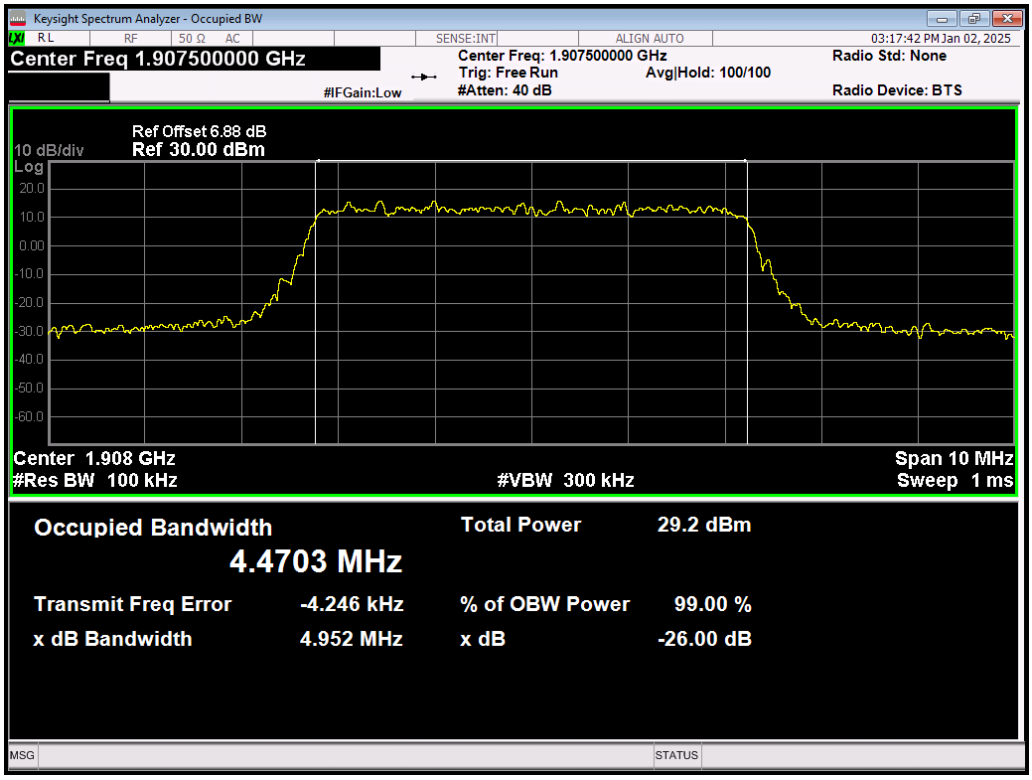
Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



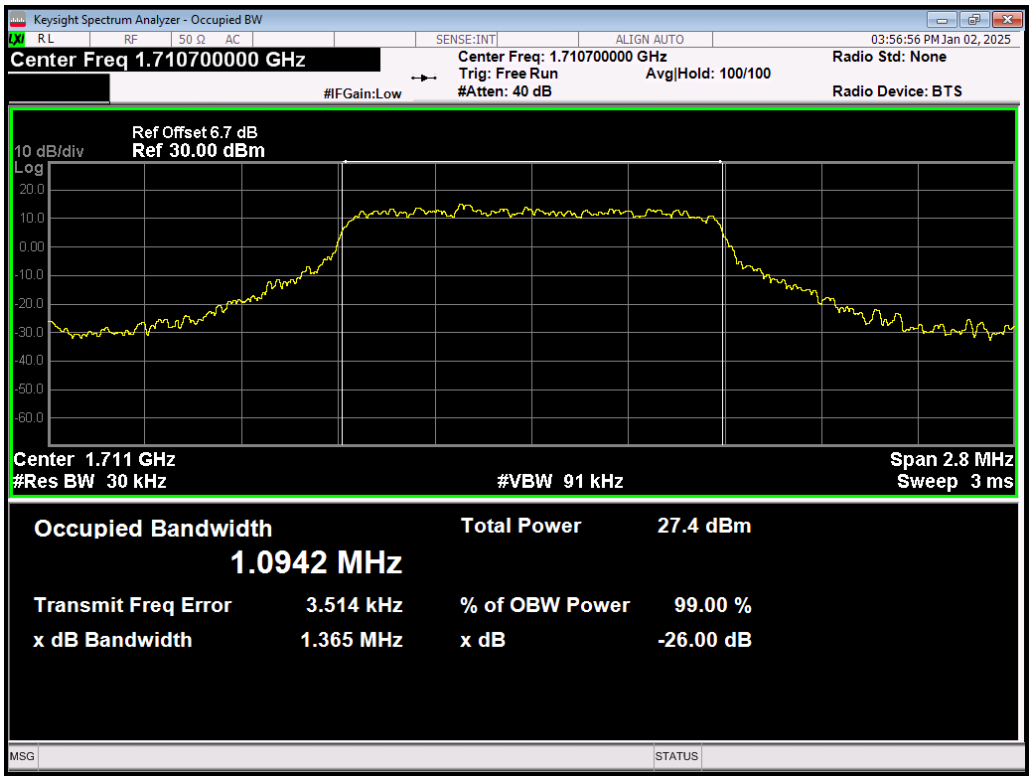
Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



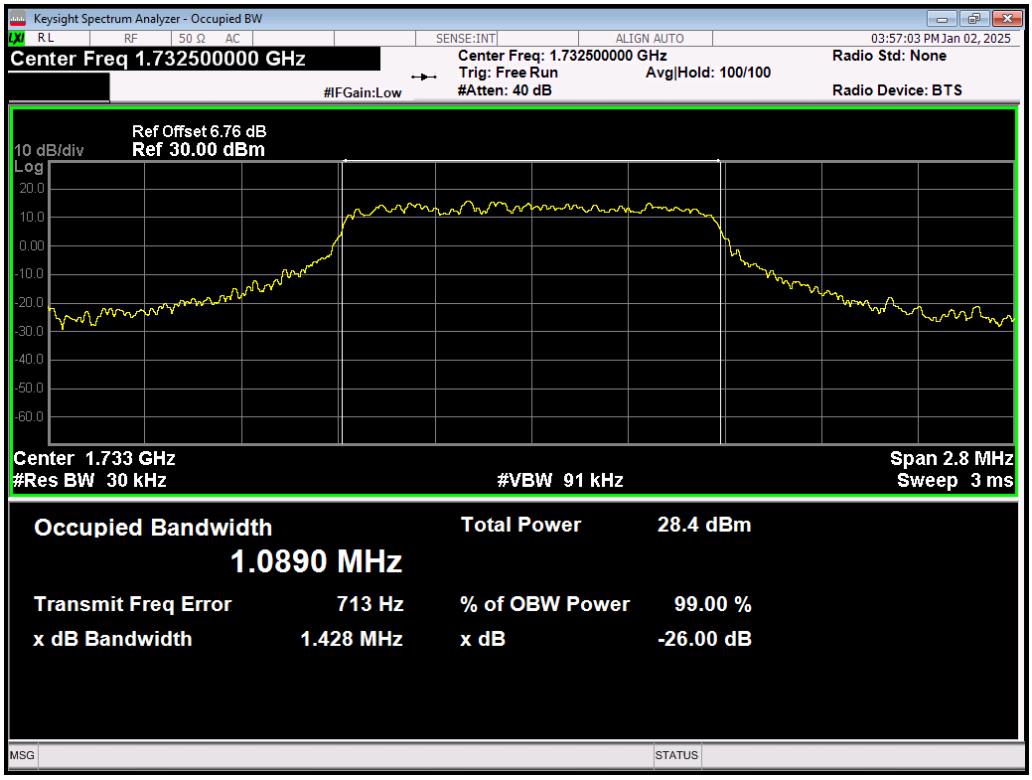
Band2 QPSK BW=5MHz Channel=18900 RB Size=25 Position=#0



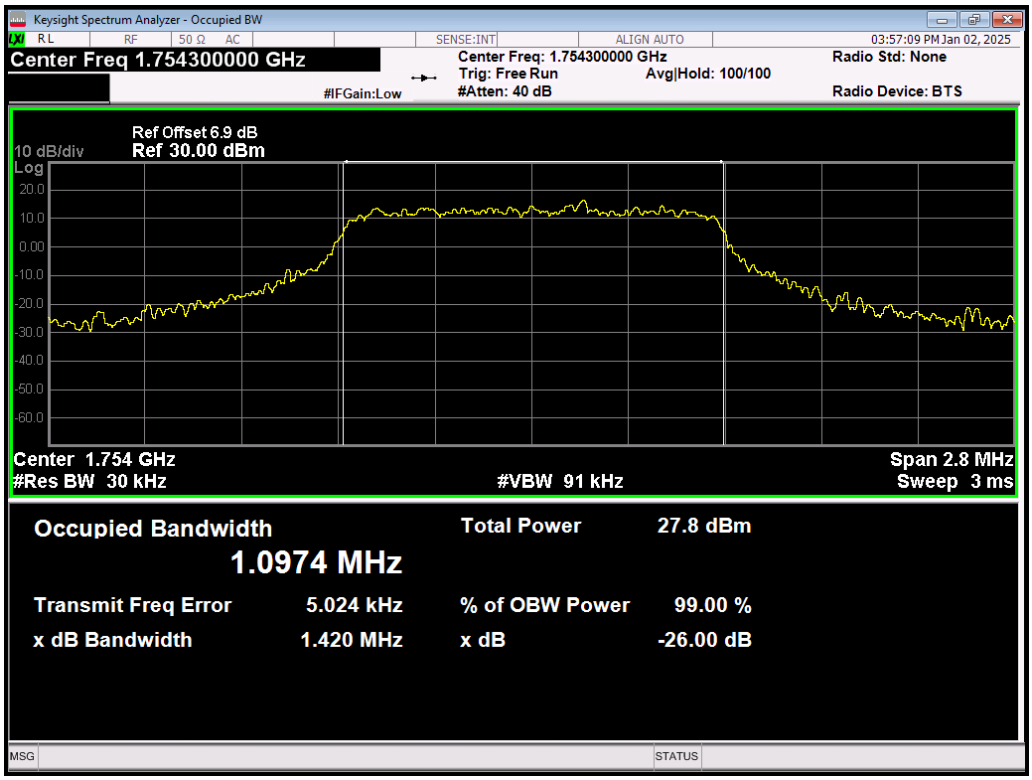
Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0



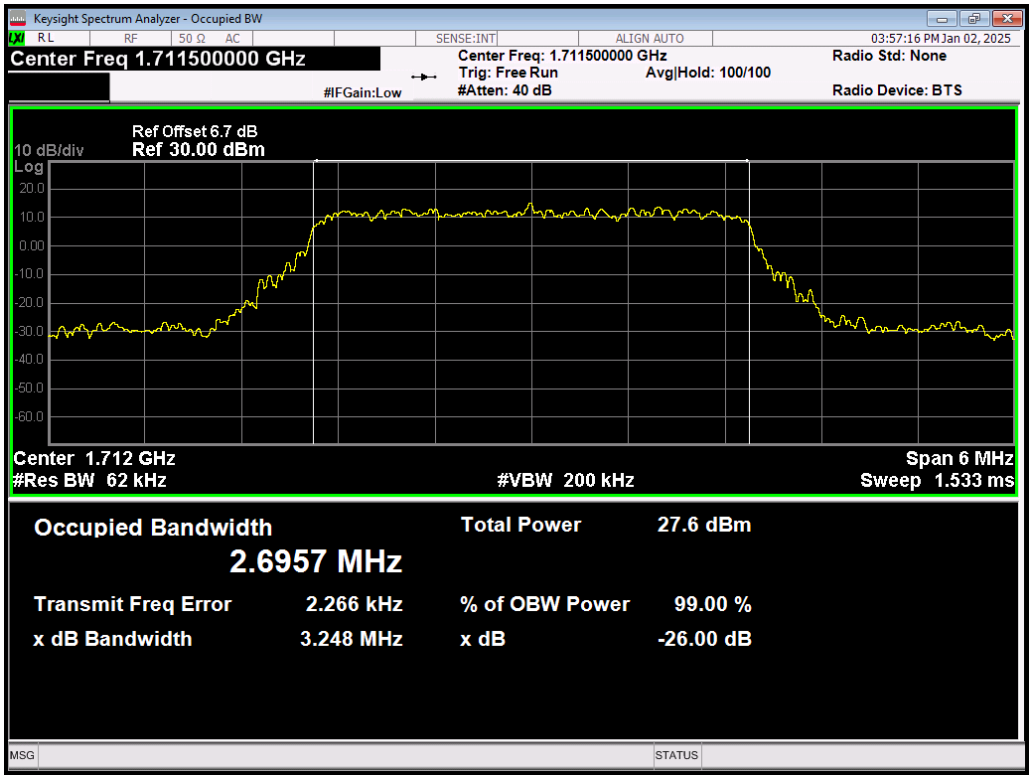
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



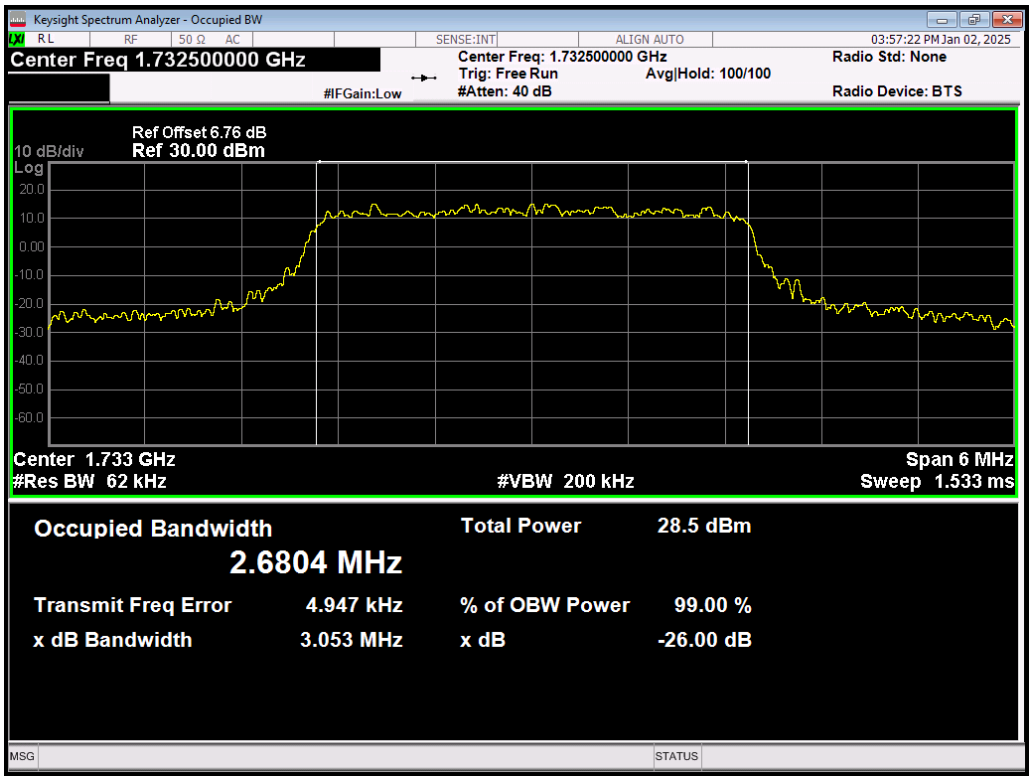
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



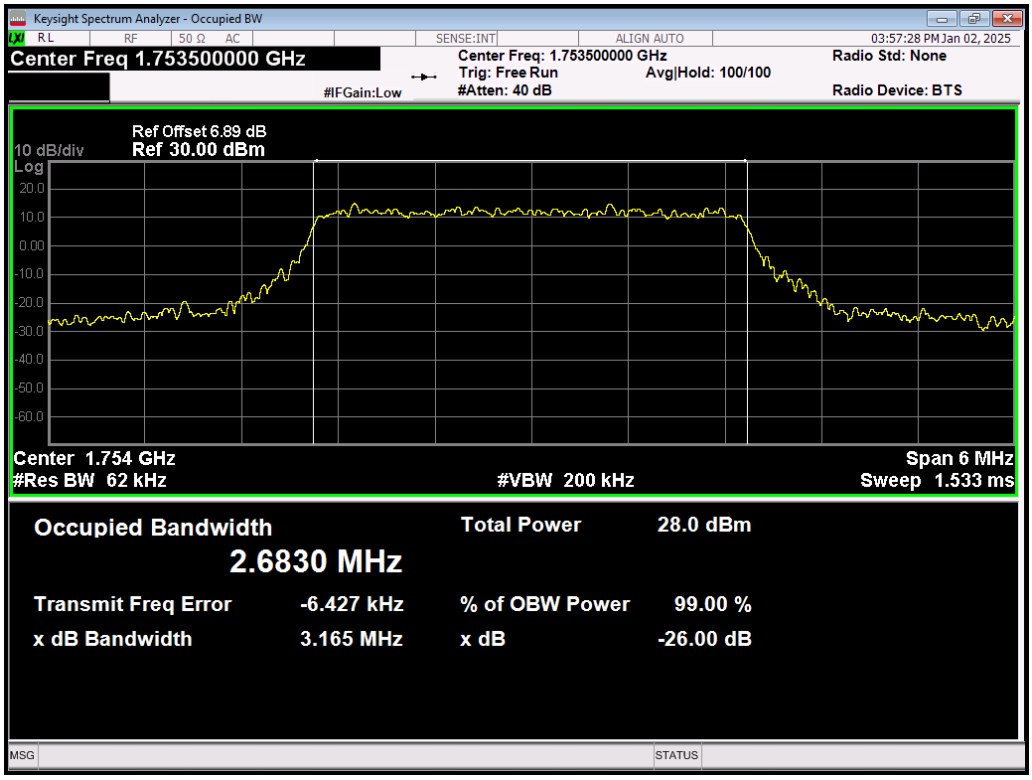
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



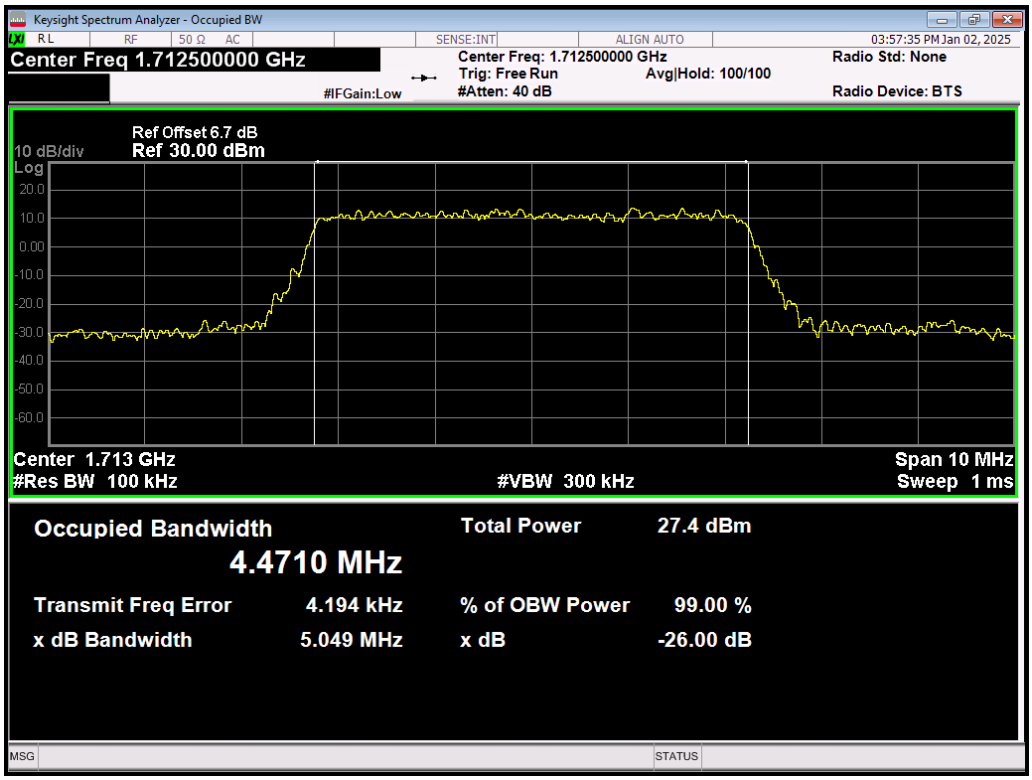
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



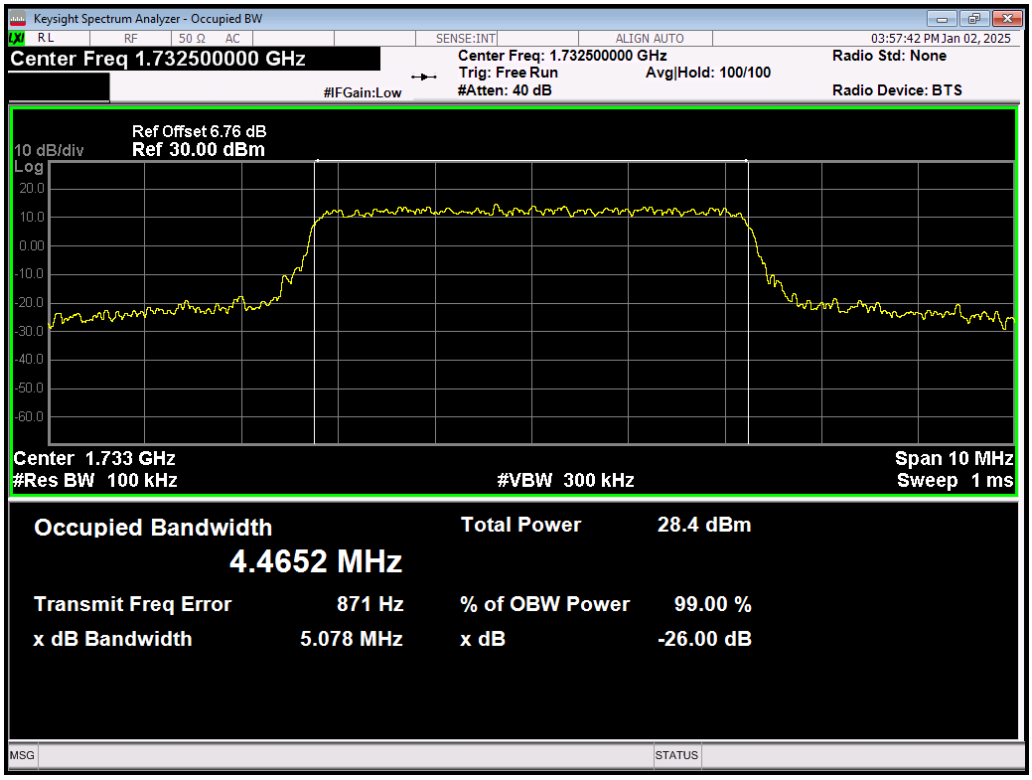
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



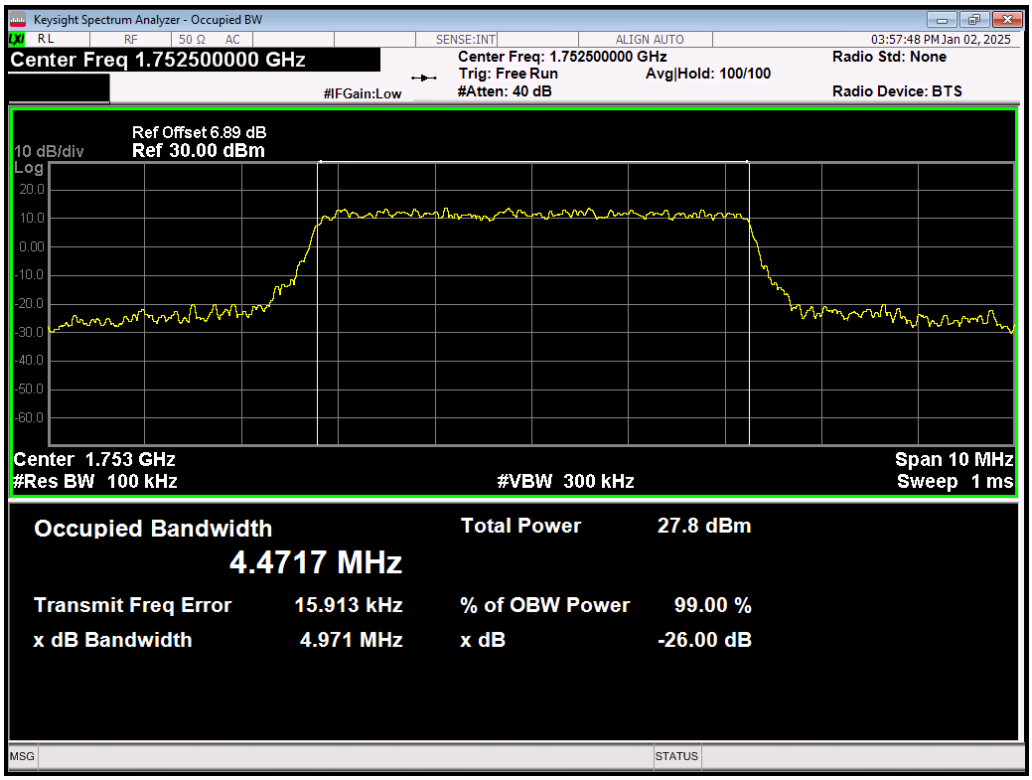
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



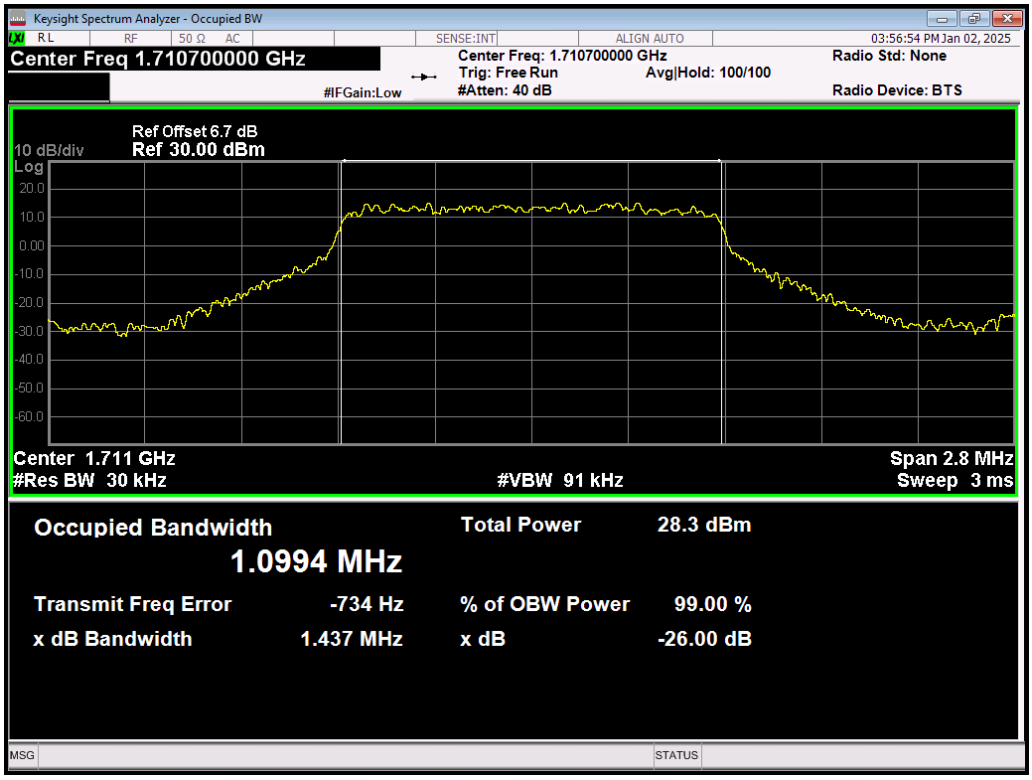
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



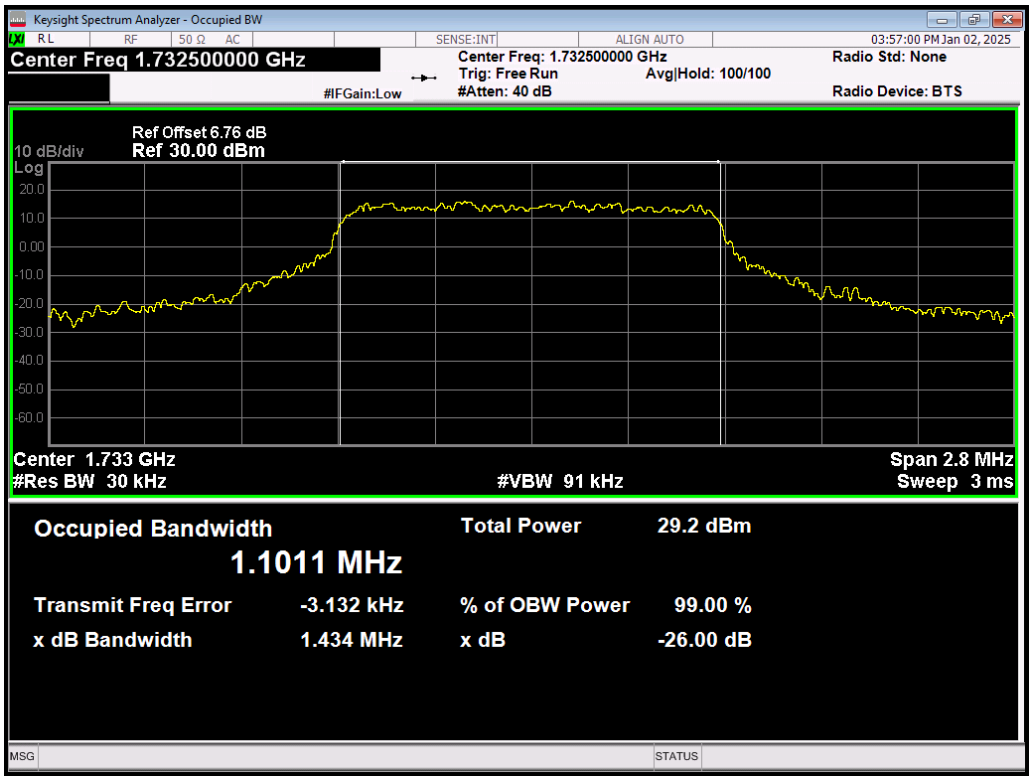
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



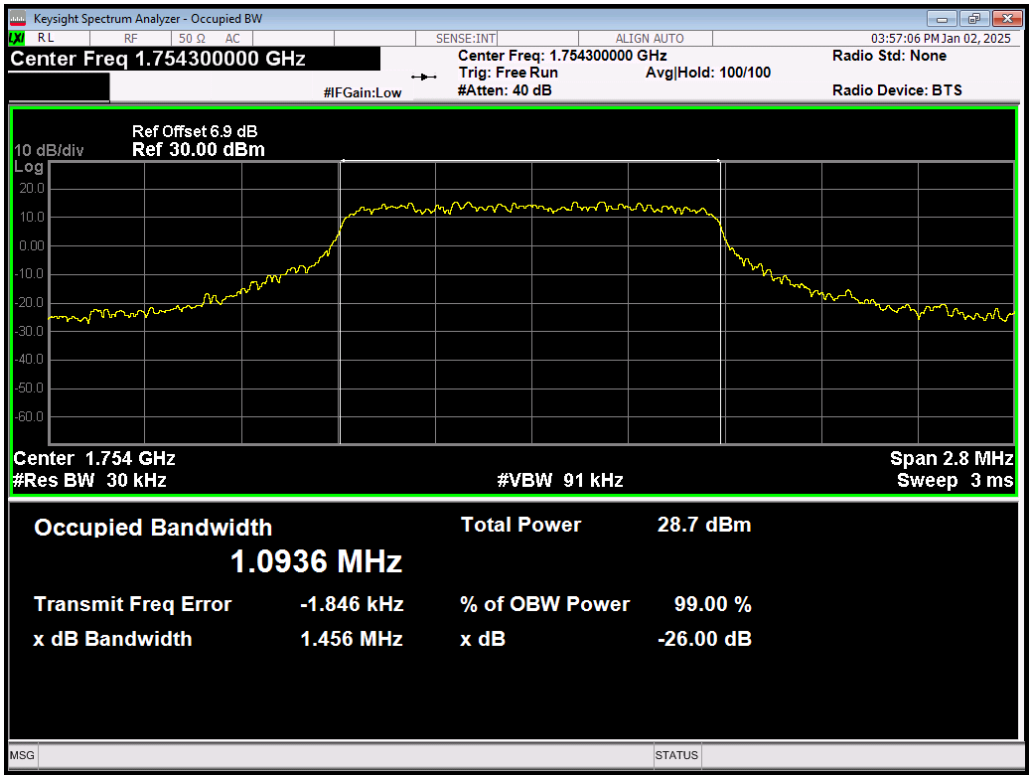
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



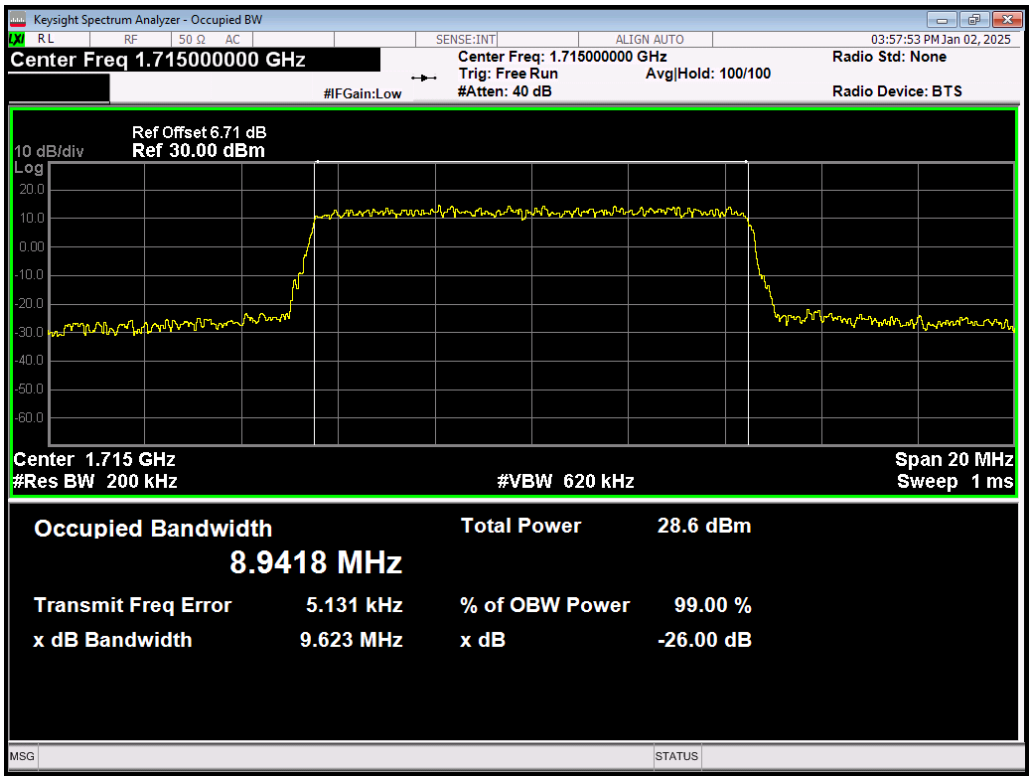
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



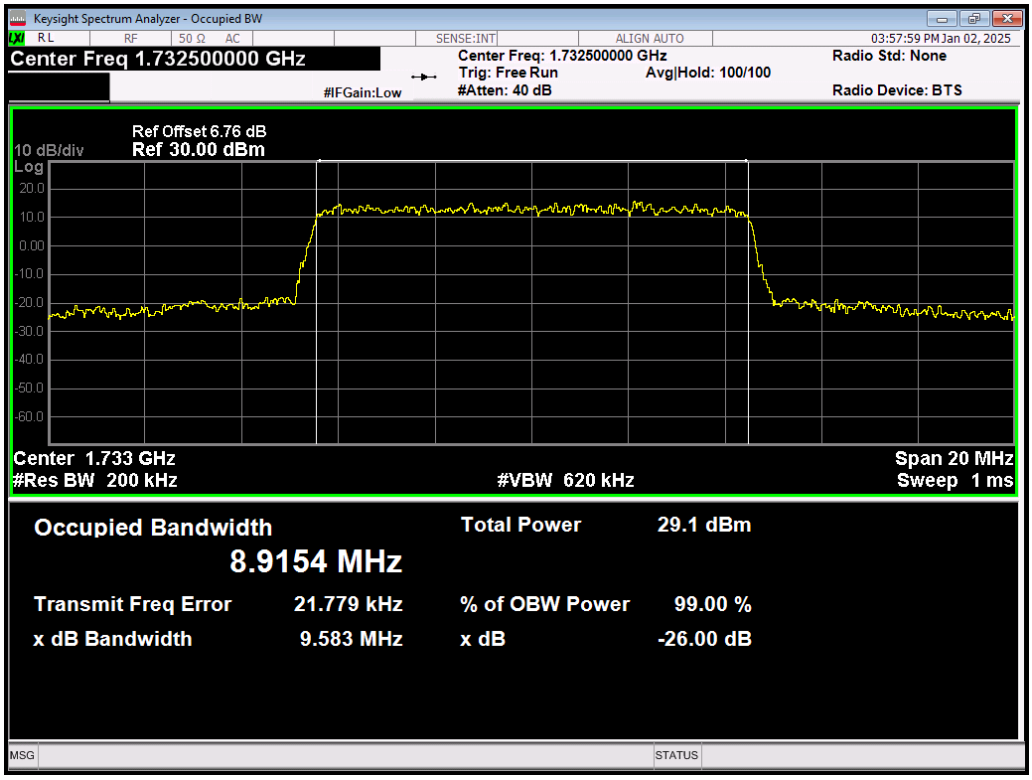
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



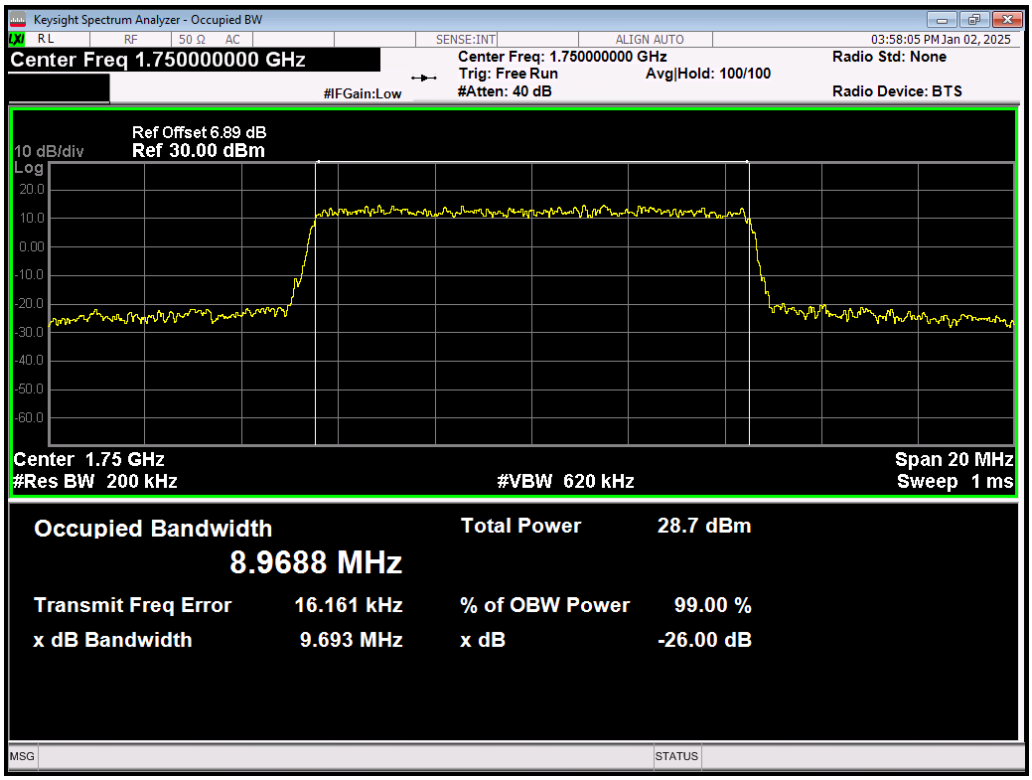
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



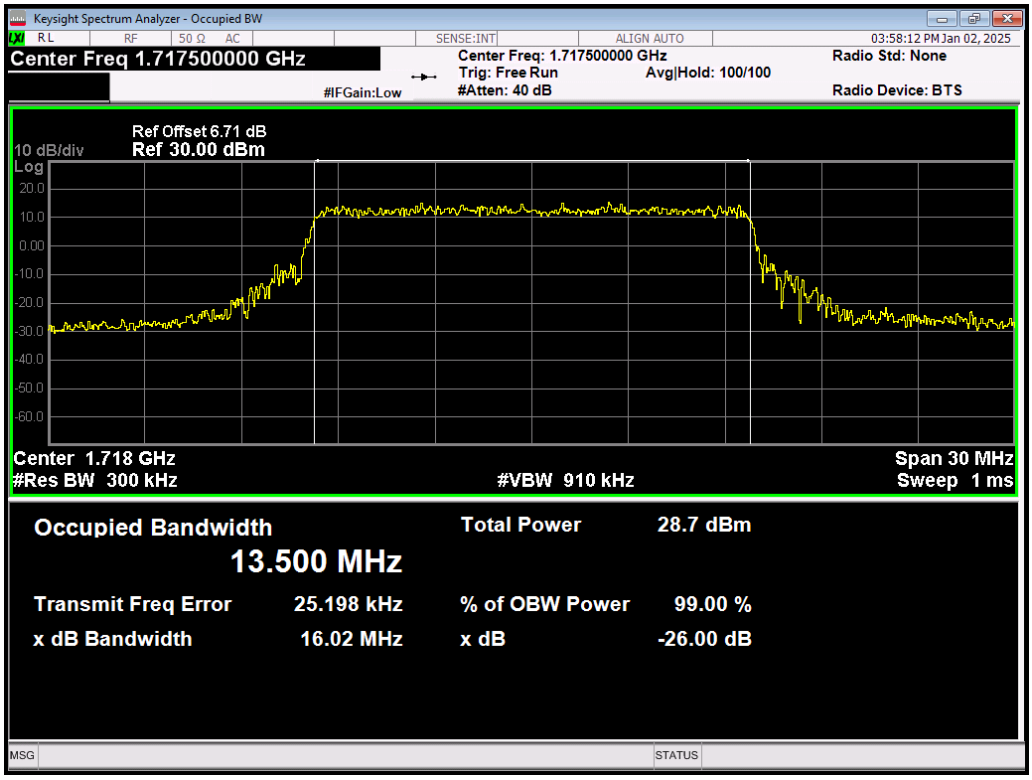
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



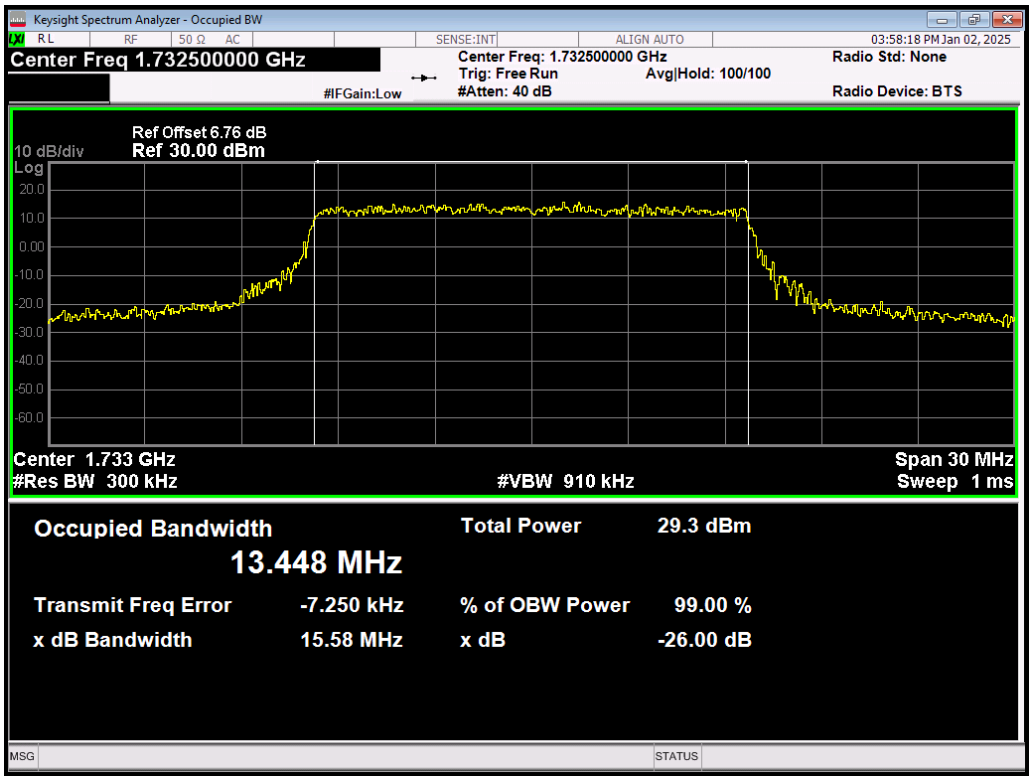
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



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



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



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