RF TEST REPORT

Applicant	ZTE Corporation
FCC ID	SRQ-Z7540
Product	5G NR Multi-Mode Digital Mobile Phone
Model	Z7540
Report No.	R2202A0144-R2
Issue Date	March 12, 2022

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 2 (2021)/ FCC CFR 47 Part 24E (2021)**. 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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Approved by: Kai Xu

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Summary of measurement results

No.	Test Case	Clause in FCC rules	Verdict
1	RF Power Output and Effective Isotropic Radiated Power	2.1046 24.232(c)	PASS
2	Occupied Bandwidth	2.1049	PASS
3	Band Edge Compliance	2.1051 /24.238(a)	PASS
4	Peak-to-Average Power Ratio	24.232/KDB 971168 D01(5.7)	PASS
5	Frequency Stability	2.1055 / 24.235	PASS
6	Spurious Emissions at Antenna Terminals	2.1051 / 24.238(a)	PASS
7	Radiates Spurious Emission	2.1053 / 24.238(a)	PASS
Date of Testing: February 14, 2022 ~ March 11, 2022 Date of Sample Received: February 14, 2022			
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 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 **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)

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)

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

1.3. Testing Location

Company:	TA Technology (Shanghai) Co., Ltd.
Address:	No.145, Jintang Rd, Tangzhen Industry Park, Pudong
City:	Shanghai
Post code:	201201
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2. General Description of Equipment under Test

2.1. Applicant and Manufacturer Information

Applicant	ZTE Corporation
Applicant address	ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China
Manufacturer	ZTE Corporation
Manufacturer address	ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China

2.2. General information

EUT Description		
Model	Z7540	
IMEI	866787060002008	
Hardware Version	Z7540HW1.0	
Software Version	Z7540_CCV1.0.0B02	
Power Supply	Battery / AC adapter	
Antenna Type	Internal Antenna	
Antenna Gain	WCDMA Band II	-2.03 dBi
	LTE Band 2	-2.03 dBi
	NR n2	-2.03 dBi
	NR n25	-2.03 dBi
Test Mode(s)	WCDMA Band	WCDMA Band II
	LTE Band	LTE Band 2
	SA Band	NR n2/n25
	NSA Band	DC_5A_n2A / DC_12A_n2A / DC_66A_n2A / DC_66A_n25A
Test Modulation	(WCDMA) BPSK, QPSK; (LTE) QPSK, 16QAM, 64QAM; (NR) CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM; DFT-s OFDM: PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM	
HSDPA UE Category	14	
HSUPA UE Category	7	
LTE Category	13	
Maximum E.I.R.P	WCDMA Band II	21.71 dBm
	LTE Band 2	21.30 dBm
	NR n2	20.69 dBm
	NR n25	20.98 dBm
	DC_12A_n2A	21.30 dBm

	DC_66A_n25A	21.20 dBm	
Rated Power Supply Voltage	3.85V		
Operating Voltage	Minimum: 3.4V Maximum: 4.4V		
Operating Temperature	Lowest: -10°C Highest: +60°C		
Testing Temperature	Lowest: -30°C Highest: +60°C		
Operating Frequency Range(s)	Band	Tx (MHz)	Rx (MHz)
	WCDMA Band II	1850 ~ 1910	1930 ~ 1990
	LTE Band 2	1850 ~ 1910	1930 ~ 1990
	NR n2	1850 ~ 1910	1930 ~ 1990
	NR n25	1850 ~ 1915	1930 ~ 1995
EUT Accessory			
Adapter 1	Manufacturer: Shenzhen Ruijing Industrial Co Ltd. Model: STC-A51030A2-Z		
Adapter 2	Manufacturer: Jiangsu Chenyang Electron Co., Ltd. Model: STC-A51030A2-Z		
Battery	Manufacturer: SCUD (Fujian) Electronics Co., LTD. Model: Li3949T44P8h906450		
USB Cable 1	Manufacturer: kingpower-tech Model: USB-TC20-W-100-M-L-HF		
USB Cable 2	Manufacturer: Shenzhen Luxshare Precision Industry Co.,Ltd. Model: USB-TC20-W-100-M-L-HF		
Note: 1. The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant. 2. There is more than one Adapter / USB cable, each one should be applied throughout the compliance test respectively, and however, only the worst case (Adapter 1 / USB Cable 2) will be recorded in this report.			

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 (2021)

FCC CFR47 Part 2 (2021)

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 (X axis, Vertical polarization for WCDMA; Z axis, Vertical polarization for LTE & NR; X axis, Horizontal polarization for NSA) 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 WCDMA/LTE/NR 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
	WCDMA Band II
RF Power Output and Effective Isotropic Radiated Power	RMC/ AMR HSDPA/HSUPA
Occupied Bandwidth	RMC
Band Edge Compliance	RMC
Peak-to-Average Power Ratio	RMC
Frequency Stability	RMC
Spurious Emissions at Antenna Terminals	RMC
Radiates Spurious Emission	RMC

Test modes are chosen to be reported as the worst case configuration below for LTE Band 2:

Test items	Bandwidth (MHz)						Modulation		RB			Test Channel		
	1.4	3	5	10	15	20	QPSK	16QAM/ 64QAM	1	50%	100%	L	M	H
RF Power Output and Effective Isotropic Radiated Power	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Occupied Bandwidth	O	O	O	O	O	O	O	O	-	-	O	O	O	O
Band Edge Compliance	O	O	O	O	O	O	O	O	O	-	O	O	-	O
Peak-to-Average Power Ratio	O	O	O	O	O	O	O	O	-	-	O	O	O	O
Frequency Stability	O	O	O	O	O	O	O	O	O	-	-	-	O	-
Spurious Emissions at Antenna Terminals	O	O	O	O	O	O	O	-	O	-	-	O	O	O

Radiates Spurious Emission	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.													

Test modes are chosen to be reported as the worst case configuration below for NR n2/NR n25/ DC_5A_n2A / DC_12A_n2A / DC_66A_n2A / DC_66A_n25A:

Test items	Mode	Bandwidth (MHz)				Modulation					RB			Test Channel		
		5	10	15	20	PI/2 BPSK	QPSK	16 QAM	64 QAM	256 QAM	1	50%	100%	L	M	H
RF Power Output and Effective Isotropic Radiated Power	NR n2	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	NR n25	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	DC_5A_n2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_12A_n2A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	DC_66A_n2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_66A_n25A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Occupied Bandwidth	NR n2	-	-	-	O	O	O	O	O	O	-	-	O	O	O	O
	NR n25	-	-	-	O	O	O	O	O	O	-	-	O	O	O	O
	DC_5A_n2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_12A_n2A	-	-	-	O	O	O	O	O	O	-	-	O	O	O	O
	DC_66A_n2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_66A_n25A	-	-	-	O	O	O	O	O	O	-	-	O	O	O	O
Band Edge Compliance	NR n2	-	-	-	O	O	O	O	O	O	O	-	O	O	-	O
	NR n25	-	-	-	O	O	O	O	O	O	O	-	O	O	-	O
	DC_5A_n2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_12A_n2A	-	-	-	O	O	O	O	O	O	O	-	O	O	-	O
	DC_66A_n2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_66A_n25A	-	-	-	O	O	O	O	O	O	O	-	O	O	-	O
Peak-to-Average Power Ratio	NR n2	-	-	-	O	O	O	O	O	O	-	-	O	O	O	O
	NR n25	-	-	-	O	O	O	O	O	O	-	-	O	O	O	O
	DC_5A_n2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_12A_n2A	-	-	-	O	O	O	O	O	O	-	-	O	O	O	O
	DC_66A_n2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_66A_n25A	-	-	-	O	O	O	O	O	O	-	-	O	O	O	O
Frequency Stability	NR n2	O	O	O	O	-	O	O	O	O	O	-	-	-	O	-
	NR n25	O	O	O	O	-	O	O	O	O	O	-	-	-	O	-
	DC_5A_n2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_12A_n2A	O	O	O	O	-	O	O	O	O	O	-	-	-	O	-
	DC_66A_n2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_66A_n25A	O	O	O	O	-	O	O	O	O	O	-	-	-	O	-
Spurious Emissions at Antenna Terminals	NR n2	-	-	-	O	O	O	O	O	O	O	-	-	O	O	O
	NR n25	-	-	-	O	O	O	O	O	O	O	-	-	O	O	O
	DC_5A_n2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	DC_12A_n2A	-	-	-	O	O	O	O	O	O	O	-	-	O	O	O
	DC_66A_n2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_66A_n25A	-	-	-	O	O	O	O	O	O	O	-	-	O	O	O
Radiates Spurious Emission	NR n2	O	O	-	O	-	O	-	-	-	O	-	-	-	O	-
	NR n25	O	O	-	O	-	O	-	-	-	O	-	-	-	O	-
	DC_5A_n2A	O	O	-	O	-	O	-	-	-	O	-	-	-	O	-
	DC_12A_n2A	O	O	-	O	-	O	-	-	-	O	-	-	-	O	-
	DC_66A_n2A	-	O	O	O	-	O	-	-	-	O	-	-	-	O	-
	DC_66A_n25A	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. 3. Sub 6GHz operates using 15kHz Subcarrier Spacing with both CP-OFDM and DFT-s OFDM waveforms. The band supports PI/2 BPSK, QPSK, 16QAM, 64QAM, and 256QAM modulation. The test data provided in this report represents the worst case configurations.															

5. Test Case

5.1. RF Power Output and Effective Isotropic Radiated Power

Ambient condition

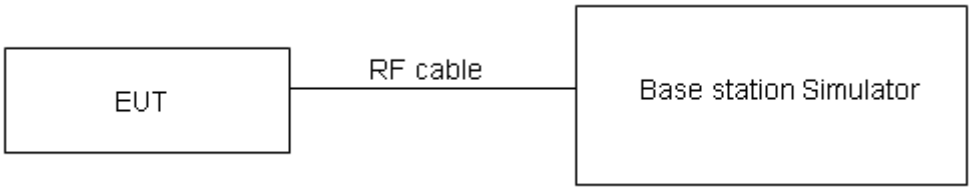
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

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) - Losses (dB) + Antenna Gain (dBi)
where:dBd refers to gain relative to an ideal dipole.
EIRP (dBm) = ERP (dBm) + 2.15 (dB.)

Test Setup



Limits

No specific RF power output requirements in part 2.1046.

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.

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 EIRP.

Test Results

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

5.2. Occupied Bandwidth

Ambient condition

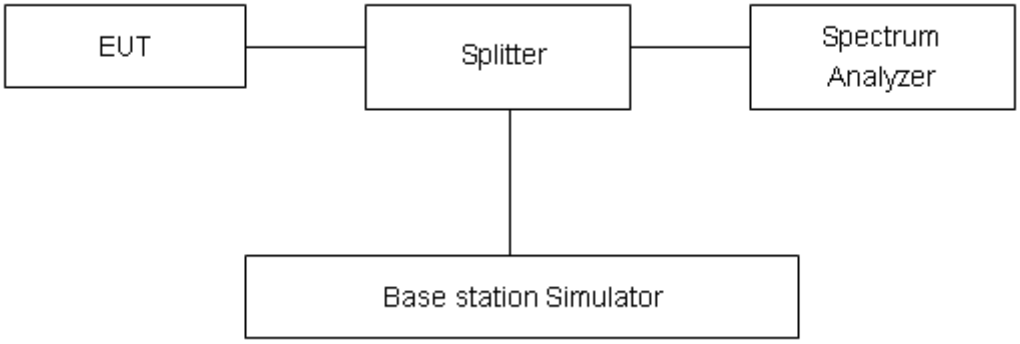
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

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

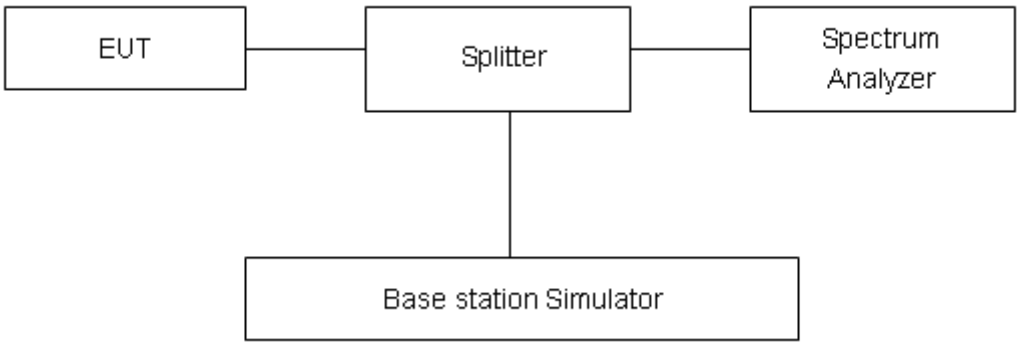
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

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 Average detector is used and RBW is set to ≥1%EBW, VBW is set to 3x RBW.

Spectrum analyzer plots are included on the following pages.

Test Setup



Limits

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.”

Limit	-13 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=0.684dB.

Test Results

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

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

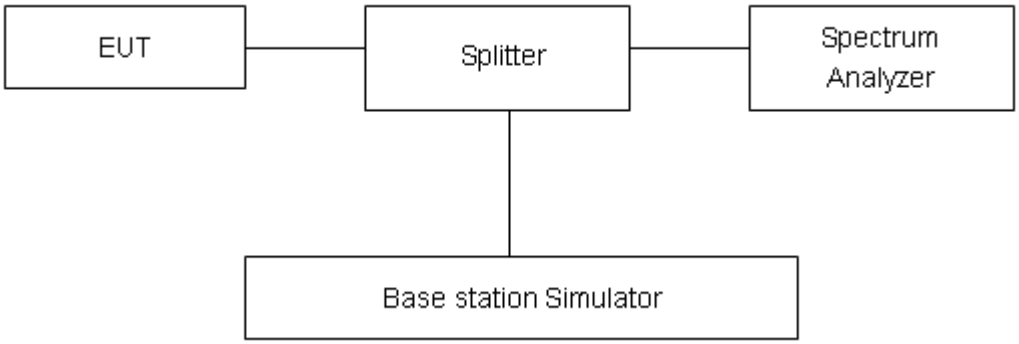
Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

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:
PAPR (dB) = PPk (dBm) - PAvg (dBm).

Test Setup



Limits

In measuring transmissions in this band using an average power technique, the peakto-average ratio (PAR) of the transmission may not exceed 13 dB in 24.232(d).

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
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

Frequency Stability (Temperature Variation)

The temperature inside the climate chamber is varied from -30°C to +60°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 +60°C. Allow at least 1.5 hours at each temperature, un-powered, before making measurements.

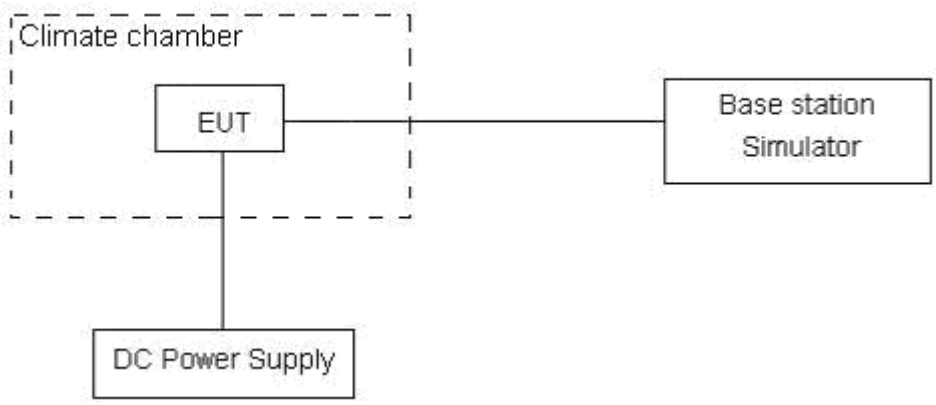
Frequency Stability (Voltage Variation)

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 3.4 V and 4.4 V, with a nominal voltage of 3.85V.

Test setup



Limits

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block

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

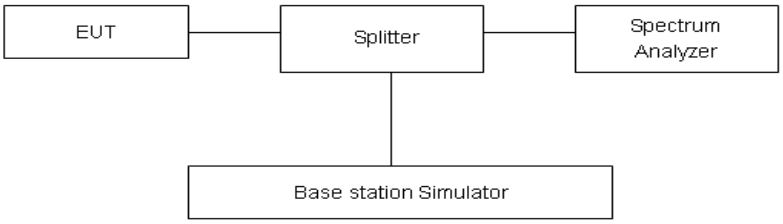
Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

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 100kHz, VBW is set to 300kHz for 30MHz~1GHz
RBW is set to 1MHz, VBW is set to 3MHz for above 1GHz, Sweep is set to ATUO.
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)
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test setup



Limits

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.”

Limit	-13 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-20GHz	1.407 dB

Test Results

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

5.7. Radiates Spurious Emission

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

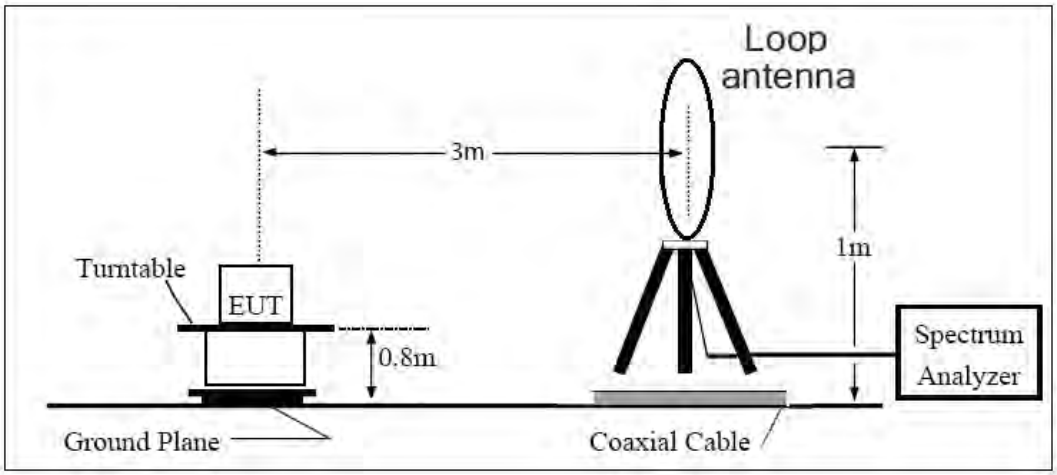
1. The testing follows FCC KDB 971168 v03r01 Section 5.8 and ANSI C63.26 (2015).
2. Below 1GHz: The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable 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=1MHz, VBW=3MHz, 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.

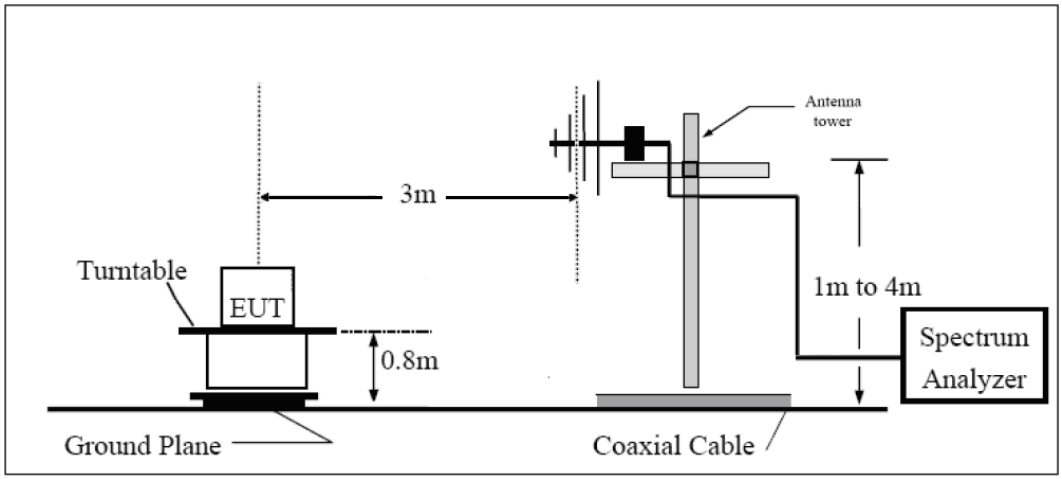
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test setup

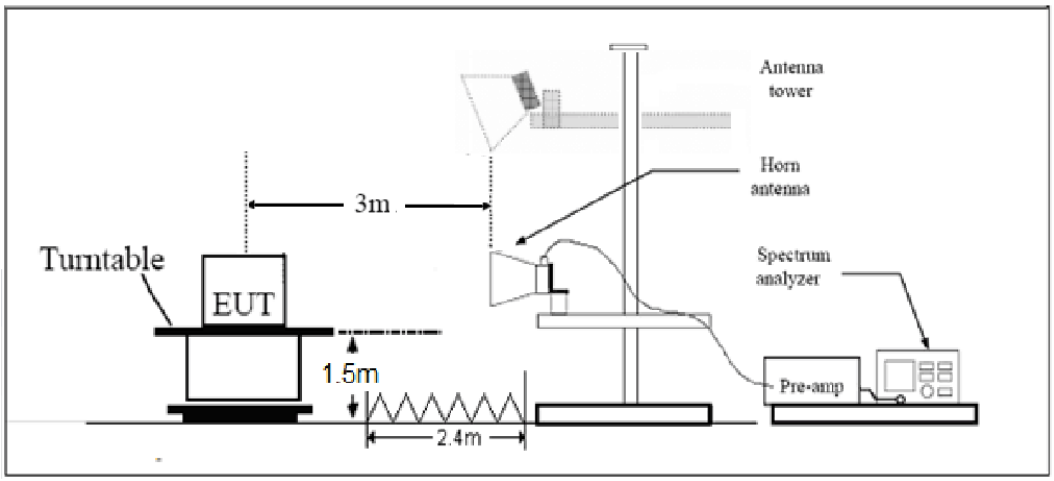
9KHz ~ 30MHz



30MHz ~ 1GHz



Above 1GHz



Note: Area side: 2.4mX3.6m

Limits

Rule Part 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.”

Limit	-13 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 Results

6.1. RF Power Output and Effective Isotropic Radiated Power

WCDMA Band II		Maximum Output Power (dBm)			EIRP (dBm)		
		Channel 9262	Channel 9400	Channel 9538	Channel 9262	Channel 9400	Channel 9538
		1852.4 (MHz)	1880 (MHz)	1907.6 (MHz)	1852.4 (MHz)	1880 (MHz)	1907.6 (MHz)
RMC		23.60	23.52	23.58	21.57	21.49	21.55
AMR		23.74	23.54	23.72	21.71	21.51	21.69
HSDPA	Sub - Test 1	22.48	22.68	22.50	20.45	20.65	20.47
	Sub - Test 2	22.76	22.46	22.66	20.73	20.43	20.63
	Sub - Test 3	21.96	22.02	22.22	19.93	19.99	20.19
	Sub - Test 4	22.04	21.90	22.18	20.01	19.87	20.15
HSUPA	Sub - Test 1	21.20	21.06	20.92	19.17	19.03	18.89
	Sub - Test 2	20.48	20.56	20.52	18.45	18.53	18.49
	Sub - Test 3	21.56	21.56	21.60	19.53	19.53	19.57
	Sub - Test 4	20.02	20.06	20.22	17.99	18.03	18.19
	Sub - Test 5	21.64	21.58	21.50	19.61	19.55	19.47

LTE Band 2				Maximum Output Power(dBm)			EIRP (dBm)		
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)					
				18607/ 1850.7	18900/ 1880	19193/ 1909.3	18607/ 1850.7	18900/ 1880	19193/ 1909.3
1.4MHz	QPSK	1	0	23.22	23.20	23.15	21.19	21.17	21.12
		1	2	23.33	23.27	23.22	21.30	21.24	21.19
		1	5	23.16	23.09	23.16	21.13	21.06	21.13
		3	0	23.22	23.24	23.25	21.19	21.21	21.22
		3	2	23.17	23.26	23.26	21.14	21.23	21.23
		3	3	23.21	23.13	23.20	21.18	21.10	21.17
		6	0	22.27	22.29	22.33	20.24	20.26	20.30
	16QAM	1	0	22.55	22.45	22.43	20.52	20.42	20.40
		1	2	22.53	22.58	22.52	20.50	20.55	20.49
		1	5	22.43	22.40	22.40	20.40	20.37	20.37
		3	0	22.21	22.15	22.23	20.18	20.12	20.20
		3	2	22.19	22.20	22.25	20.16	20.17	20.22
		3	3	22.18	22.14	22.16	20.15	20.11	20.13
		6	0	21.26	21.23	21.28	19.23	19.20	19.25

	64QAM	1	0	21.28	21.37	21.35	19.25	19.34	19.32
		1	2	21.33	21.46	21.46	19.30	19.43	19.43
		1	5	21.20	21.33	21.23	19.17	19.30	19.20
		3	0	21.17	21.10	21.21	19.14	19.07	19.18
		3	2	21.21	21.18	21.23	19.18	19.15	19.20
		3	3	21.16	21.11	21.08	19.13	19.08	19.05
		6	0	20.24	20.23	20.28	18.21	18.20	18.25
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)					
				18615/ 1851.5	18900/ 1880	19185/ 1908.5	18615/ 1851.5	18900/ 1880	19185/ 1908.5
3MHz	QPSK	1	0	23.24	23.24	23.18	21.21	21.21	21.15
		1	7	23.31	23.30	23.26	21.28	21.27	21.23
		1	14	23.19	23.14	23.20	21.16	21.11	21.17
		8	0	22.32	22.36	22.38	20.29	20.33	20.35
		8	4	22.29	22.36	22.38	20.26	20.33	20.35
		8	7	22.31	22.24	22.30	20.28	20.21	20.27
		15	0	22.27	22.33	22.36	20.24	20.30	20.33
	16QAM	1	0	22.58	22.47	22.46	20.55	20.44	20.43
		1	7	22.56	22.58	22.56	20.53	20.55	20.53
		1	14	22.45	22.44	22.43	20.42	20.41	20.40
		8	0	21.32	21.28	21.35	19.29	19.25	19.32
		8	4	21.30	21.33	21.37	19.27	19.30	19.34
		8	7	21.28	21.26	21.29	19.25	19.23	19.26
		15	0	21.29	21.27	21.31	19.26	19.24	19.28
	64QAM	1	0	21.31	21.39	21.38	19.28	19.36	19.35
		1	7	21.36	21.46	21.48	19.33	19.43	19.45
		1	14	21.22	21.32	21.26	19.19	19.29	19.23
		8	0	20.28	20.23	20.33	18.25	18.20	18.30
		8	4	20.32	20.31	20.35	18.29	18.28	18.32
		8	7	20.26	20.23	20.21	18.23	18.20	18.18
		15	0	20.27	20.27	20.31	18.24	18.24	18.28
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)					
				18625/ 1852.5	18900/ 1880	19175/ 1907.5	18625/ 1852.5	18900/ 1880	19175/ 1907.5
5MHz	QPSK	1	0	23.21	23.22	23.14	21.18	21.19	21.11
		1	13	23.29	23.26	23.23	21.26	21.23	21.20
		1	24	23.16	23.09	23.16	21.13	21.06	21.13
		12	0	22.29	22.31	22.34	20.26	20.28	20.31
		12	6	22.27	22.32	22.33	20.24	20.29	20.30
		12	13	22.29	22.22	22.26	20.26	20.19	20.23
		25	0	22.27	22.32	22.34	20.24	20.29	20.31
	16QAM	1	0	22.55	22.43	22.43	20.52	20.40	20.40
		1	13	22.53	22.56	22.53	20.50	20.53	20.50

		1	24	22.42	22.42	22.39	20.39	20.39	20.36
		12	0	21.30	21.24	21.32	19.27	19.21	19.29
		12	6	21.27	21.28	21.33	19.24	19.25	19.30
		12	13	21.25	21.21	21.25	19.22	19.18	19.22
		25	0	21.27	21.23	21.26	19.24	19.20	19.23
	64QAM	1	0	21.28	21.39	21.35	19.25	19.36	19.32
		1	13	21.33	21.48	21.45	19.30	19.45	19.42
		1	24	21.23	21.30	21.22	19.20	19.27	19.19
		12	0	20.26	20.19	20.34	18.23	18.16	18.31
		12	6	20.29	20.26	20.31	18.26	18.23	18.28
		12	13	20.23	20.18	20.17	18.20	18.15	18.14
		25	0	20.25	20.23	20.26	18.22	18.20	18.23
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)					
				18650/ 1855	18900/ 1880	19150/ 1905	18650/ 1855	18900/ 1880	19150/ 1905
10MHz	QPSK	1	0	23.23	23.23	23.17	21.20	21.20	21.14
		1	25	23.32	23.31	23.27	21.29	21.28	21.24
		1	49	23.18	23.13	23.19	21.15	21.10	21.16
		25	0	22.32	22.36	22.38	20.29	20.33	20.35
		25	13	22.30	22.37	22.37	20.27	20.34	20.34
		25	25	22.31	22.26	22.31	20.28	20.23	20.28
		50	0	22.31	22.34	22.38	20.28	20.31	20.35
	16QAM	1	0	22.57	22.46	22.45	20.54	20.43	20.42
		1	25	22.56	22.60	22.56	20.53	20.57	20.53
		1	49	22.45	22.44	22.42	20.42	20.41	20.39
		25	0	21.33	21.29	21.36	19.30	19.26	19.33
		25	13	21.29	21.32	21.36	19.26	19.29	19.33
		25	25	21.28	21.26	21.29	19.25	19.23	19.26
		50	0	21.30	21.28	21.30	19.27	19.25	19.27
	64QAM	1	0	21.30	21.38	21.37	19.27	19.35	19.34
		1	25	21.36	21.48	21.48	19.33	19.45	19.45
		1	49	21.22	21.32	21.25	19.19	19.29	19.22
		25	0	20.29	20.24	20.34	18.26	18.21	18.31
		25	13	20.31	20.30	20.34	18.28	18.27	18.31
		25	25	20.26	20.23	20.21	18.23	18.20	18.18
		50	0	20.28	20.28	20.30	18.25	18.25	18.27
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)					
				18675/ 1857.5	18900/ 1880	19125/ 1902.5	18675/ 1857.5	18900/ 1880	19125/ 1902.5
15MHz	QPSK	1	0	23.22	23.19	23.15	21.19	21.16	21.12
		1	38	23.30	23.30	23.24	21.27	21.27	21.21
		1	74	23.15	23.08	23.15	21.12	21.05	21.12
		36	0	22.30	22.32	22.35	20.27	20.29	20.32

		36	18	22.27	22.32	22.33	20.24	20.29	20.30
		36	39	22.28	22.23	22.27	20.25	20.20	20.24
		75	0	22.29	22.30	22.33	20.26	20.27	20.30
	16QAM	1	0	22.52	22.44	22.43	20.49	20.41	20.40
		1	38	22.54	22.57	22.54	20.51	20.54	20.51
		1	74	22.42	22.40	22.39	20.39	20.37	20.36
		36	0	21.30	21.27	21.33	19.27	19.24	19.30
		36	18	21.26	21.27	21.32	19.23	19.24	19.29
		36	39	21.26	21.22	21.26	19.23	19.19	19.23
		75	0	21.27	21.23	21.26	19.24	19.20	19.23
	64QAM	1	0	21.25	21.36	21.35	19.22	19.33	19.32
		1	38	21.34	21.45	21.46	19.31	19.42	19.43
		1	74	21.23	21.31	21.26	19.20	19.28	19.23
		36	0	20.28	20.26	20.35	18.25	18.23	18.32
		36	18	20.29	20.27	20.33	18.26	18.24	18.30
		36	39	20.24	20.19	20.18	18.21	18.16	18.15
		75	0	20.25	20.23	20.26	18.22	18.20	18.23
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)					
				18700/ 1860	18900/ 1880	19100/ 1900	18700/ 1860	18900/ 1880	19100/ 1900
20MHz	QPSK	1	0	23.19	23.15	23.12	21.16	21.12	21.09
		1	50	23.29	23.26	23.22	21.26	21.23	21.19
		1	99	23.13	23.07	23.12	21.10	21.04	21.09
		50	0	22.27	22.27	22.31	20.24	20.24	20.28
		50	25	22.25	22.28	22.30	20.22	20.25	20.27
		50	50	22.25	22.18	22.23	20.22	20.15	20.20
		100	0	22.26	22.25	22.29	20.23	20.22	20.26
	16QAM	1	0	22.44	22.40	22.38	20.41	20.37	20.35
		1	50	22.50	22.55	22.50	20.47	20.52	20.47
		1	99	22.40	22.37	22.37	20.37	20.34	20.34
		50	0	21.27	21.23	21.30	19.24	19.20	19.27
		50	25	21.23	21.25	21.29	19.20	19.22	19.26
		50	50	21.23	21.17	21.22	19.20	19.14	19.19
		100	0	21.25	21.19	21.23	19.22	19.16	19.20
	64QAM	1	0	21.23	21.32	21.30	19.20	19.29	19.27
		1	50	21.30	21.43	21.42	19.27	19.40	19.39
		1	99	21.17	21.25	21.20	19.14	19.22	19.17
		50	0	20.23	20.18	20.28	18.20	18.15	18.25
		50	25	20.25	20.23	20.27	18.22	18.20	18.24
		50	50	20.21	20.14	20.14	18.18	18.11	18.11
		100	0	20.23	20.19	20.23	18.20	18.16	18.20

NR n2											
Bandwidth (MHz)	Modulation	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			EIRP (dBm)			
					370500	376000	381500	370500	376000	381500	
					1852.5	1880	1907.5	1852.5	1880	1907.5	
5	PI/2 BPSK	15	1	0	21.56	21.55	21.51	19.53	19.52	19.48	
			1	1	22.62	22.68	22.56	20.59	20.65	20.53	
			12	6	22.69	22.62	22.62	20.66	20.59	20.59	
			25	0	21.72	21.70	21.64	19.69	19.67	19.61	
	QPSK		1	0	21.56	21.67	21.61	19.53	19.64	19.58	
			1	1	22.64	22.70	22.55	20.61	20.67	20.52	
			12	6	22.68	22.70	22.62	20.65	20.67	20.59	
			25	0	21.71	21.75	21.67	19.68	19.72	19.64	
	16QAM		1	0	20.78	20.64	20.76	18.75	18.61	18.73	
			1	1	21.71	21.61	21.72	19.68	19.58	19.69	
			12	6	21.65	21.62	21.52	19.62	19.59	19.49	
			25	0	20.67	20.74	20.71	18.64	18.71	18.68	
	64QAM		1	0	20.44	20.58	20.43	18.41	18.55	18.40	
			1	1	20.41	20.67	20.36	18.38	18.64	18.33	
			12	6	20.32	20.31	20.38	18.29	18.28	18.35	
			25	0	20.31	20.30	20.24	18.28	18.27	18.21	
	256QAM		1	0	18.27	18.24	18.21	16.24	16.21	16.18	
			1	1	18.25	18.27	18.37	16.22	16.24	16.34	
			12	6	18.42	18.35	18.29	16.39	16.32	16.26	
			25	0	18.31	18.29	18.32	16.28	16.26	16.29	
Bandwidth (MHz)	Modulation	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			EIRP (dBm)			
					371000	376000	381000	371000	376000	381000	
					1855	1880	1905	1855	1880	1905	
10	PI/2 BPSK	15	1	0	21.48	21.39	21.48	19.45	19.36	19.45	
			1	1	22.56	22.45	22.42	20.53	20.42	20.39	
			25	12	22.60	22.56	22.43	20.57	20.53	20.40	
			50	0	21.56	21.51	21.47	19.53	19.48	19.44	
	QPSK		1	0	21.54	21.47	21.39	19.51	19.44	19.36	
			1	1	22.51	22.46	22.41	20.48	20.43	20.38	
			25	12	22.65	22.51	22.44	20.62	20.48	20.41	
			50	0	21.62	21.53	21.56	19.59	19.50	19.53	
	16QAM		1	0	20.51	20.62	20.68	18.48	18.59	18.65	
			1	1	21.55	21.68	21.69	19.52	19.65	19.66	
			25	12	21.59	21.52	21.51	19.56	19.49	19.48	
			50	0	20.53	20.51	20.42	18.50	18.48	18.39	
	64QAM		1	0	20.52	20.25	20.43	18.49	18.22	18.40	

			1	1	20.45	20.27	20.30	18.42	18.24	18.27
			25	12	20.18	20.14	20.05	18.15	18.11	18.02
			50	0	20.22	20.13	20.12	18.19	18.10	18.09
	256QAM		1	0	18.25	18.09	18.10	16.22	16.06	16.07
			1	1	18.16	18.14	18.07	16.13	16.11	16.04
			25	12	18.20	18.16	18.17	16.17	16.13	16.14
			50	0	18.24	18.10	18.12	16.21	16.07	16.09
Bandwidth (MHz)	Modulation	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			EIRP (dBm)		
					371500	376000	380500	371500	376000	380500
					1857.5	1880	1902.5	1857.5	1880	1902.5
15	PI/2 BPSK	15	1	0	21.60	21.59	21.46	19.57	19.56	19.43
			1	1	22.64	22.57	22.51	20.61	20.54	20.48
			36	18	22.71	22.67	22.67	20.68	20.64	20.64
			75	0	21.70	21.63	21.56	19.67	19.60	19.53
	QPSK		1	0	21.71	21.51	21.38	19.68	19.48	19.35
			1	1	22.69	22.55	22.51	20.66	20.52	20.48
			36	18	22.69	22.66	22.60	20.66	20.63	20.57
			75	0	21.72	21.63	21.64	19.69	19.60	19.61
	16QAM		1	0	20.53	20.72	20.64	18.50	18.69	18.61
			1	1	21.65	21.74	21.57	19.62	19.71	19.54
			36	18	21.72	21.66	21.53	19.69	19.63	19.50
			75	0	20.70	20.71	20.611	18.67	18.68	18.581
	64QAM		1	0	20.60	20.44	20.28	18.57	18.41	18.25
			1	1	20.56	20.36	20.19	18.53	18.33	18.16
			36	18	20.28	20.23	20.23	18.25	18.20	18.20
			75	0	20.35	20.21	20.15	18.32	18.18	18.12
	256QAM		1	0	18.24	18.21	18.12	16.21	16.18	16.09
			1	1	18.23	18.24	18.06	16.20	16.21	16.03
			36	18	18.36	18.37	18.22	16.33	16.34	16.19
			75	0	18.47	18.36	18.23	16.44	16.33	16.20
Bandwidth (MHz)	Modulation	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			EIRP (dBm)		
					372000	376000	380000	372000	376000	380000
					1860	1880	1900	1860	1880	1900
20	PI/2 BPSK	15	1	0	21.54	21.60	21.46	19.51	19.57	19.43
			1	1	22.61	22.63	22.58	20.58	20.60	20.55
			50	25	22.72	22.69	22.67	20.69	20.66	20.64
			100	0	21.69	21.73	21.61	19.66	19.70	19.58
	QPSK		1	0	21.57	21.52	21.49	19.54	19.49	19.46
			1	1	22.63	22.64	22.59	20.60	20.61	20.56
			50	25	22.71	22.72	22.62	20.68	20.69	20.59
			100	0	21.71	21.72	21.70	19.68	19.69	19.67

	16QAM		1	0	20.57	20.74	20.49	18.54	18.71	18.46
			1	1	21.57	21.79	21.45	19.54	19.76	19.42
			50	25	21.74	21.71	21.66	19.71	19.68	19.63
			100	0	20.62	20.73	20.67	18.59	18.70	18.64
	64QAM		1	0	20.53	20.41	20.47	18.50	18.38	18.44
			1	1	20.59	20.32	20.46	18.56	18.29	18.43
			50	25	20.41	20.41	20.29	18.38	18.38	18.26
			100	0	20.36	20.34	20.25	18.33	18.31	18.22
	256QAM		1	0	18.25	18.27	18.14	16.22	16.24	16.11
			1	1	18.23	18.23	18.15	16.20	16.20	16.12
			50	25	18.41	18.32	18.26	16.38	16.29	16.23
			100	0	18.37	18.35	18.33	16.34	16.32	16.30

NR n25										
Bandwidth (MHz)	Modulation	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			EIRP (dBm)		
					370500	376500	382500	370500	376500	382500
					1852.5	1882.5	1912.5	1852.5	1882.5	1912.5
5	PI/2 BPSK	15	1	0	21.87	21.91	21.79	19.84	19.88	19.76
			1	1	22.86	22.75	22.70	20.83	20.72	20.67
			12	6	22.96	22.95	22.76	20.93	20.92	20.73
			25	0	21.93	21.95	21.73	19.90	19.92	19.70
	QPSK		1	0	21.91	21.89	21.84	19.88	19.86	19.81
			1	1	22.87	22.84	22.70	20.84	20.81	20.67
			12	6	22.89	22.89	22.75	20.86	20.86	20.72
			25	0	21.93	21.93	21.76	19.90	19.90	19.73
	16QAM		1	0	20.72	20.75	20.67	18.69	18.72	18.64
			1	1	21.75	21.70	21.62	19.72	19.67	19.59
			12	6	21.93	21.90	21.86	19.90	19.87	19.83
			25	0	20.91	20.91	20.71	18.88	18.88	18.68
	64QAM		1	0	20.55	20.42	20.37	18.52	18.39	18.34
			1	1	20.56	20.35	20.31	18.53	18.32	18.28
			12	6	20.46	20.35	20.33	18.43	18.32	18.30
			25	0	20.60	20.37	20.36	18.57	18.34	18.33
	256QAM		1	0	18.60	18.61	15.57	16.57	16.58	13.54
			1	1	18.59	18.59	18.56	16.56	16.56	16.53
			12	6	18.54	18.49	18.37	16.51	16.46	16.34
			25	0	18.52	18.36	18.35	16.49	16.33	16.32
Bandwidth (MHz)	Modulation	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			EIRP (dBm)		
					371000	376500	382000	371000	376500	382000
					1855	1882.5	1910	1855	1882.5	1910
10	PI/2 BPSK	15	1	0	21.72	21.62	21.65	19.69	19.59	19.62

			1	1	22.76	22.61	22.64	20.73	20.58	20.61
			25	12	22.77	22.79	22.69	20.74	20.76	20.66
			50	0	21.74	21.72	21.72	19.71	19.69	19.69
	QPSK		1	0	21.75	21.65	21.60	19.72	19.62	19.57
			1	1	22.72	22.65	22.62	20.69	20.62	20.59
			25	12	22.76	22.78	22.64	20.73	20.75	20.61
			50	0	21.74	21.76	21.71	19.71	19.73	19.68
	16QAM		1	0	20.66	20.51	20.48	18.63	18.48	18.45
			1	1	21.62	21.57	21.51	19.59	19.54	19.48
			25	12	21.81	21.65	21.64	19.78	19.62	19.61
			50	0	20.84	20.75	20.63	18.81	18.72	18.60
	64QAM		1	0	20.39	20.25	20.32	18.36	18.22	18.29
			1	1	20.40	20.19	20.27	18.37	18.16	18.24
			25	12	20.47	20.24	20.27	18.44	18.21	18.24
			50	0	20.37	20.16	20.26	18.34	18.13	18.23
	256QAM		1	0	18.47	18.40	18.35	16.44	16.37	16.32
			1	1	18.46	18.41	18.41	16.43	16.38	16.38
			25	12	18.37	18.24	18.17	16.34	16.21	16.14
			50	0	18.39	18.31	18.25	16.36	16.28	16.22

Bandwidth (MHz)	Modulation	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			EIRP (dBm)		
					371500	376500	381500	371500	376500	381500
					1857.5	1882.5	1907.5	1857.5	1882.5	1907.5
15	PI/2 BPSK	15	1	0	21.89	21.73	21.76	19.86	19.70	19.73
			1	1	22.87	22.84	22.67	20.84	20.81	20.64
			36	18	22.91	22.85	22.94	20.88	20.82	20.91
			75	0	21.87	21.85	21.90	19.84	19.82	19.87
	QPSK		1	0	21.86	21.84	21.73	19.83	19.81	19.70
			1	1	22.85	22.73	22.80	20.82	20.70	20.77
			36	18	22.99	22.82	22.95	20.96	20.79	20.92
			75	0	21.90	21.90	21.85	19.87	19.87	19.82
	16QAM		1	0	20.67	20.69	20.61	18.64	18.66	18.58
			1	1	21.79	21.60	21.56	19.76	19.57	19.53
			36	18	21.93	21.89	21.96	19.90	19.86	19.93
			75	0	20.94	20.91	20.82	18.91	18.88	18.79
	64QAM		1	0	20.58	20.43	20.49	18.55	18.40	18.46
			1	1	20.47	20.48	20.39	18.44	18.45	18.36
			36	18	20.57	20.50	20.35	18.54	18.47	18.32
			75	0	20.56	20.51	20.41	18.53	18.48	18.38
	256QAM		1	0	18.63	18.46	18.54	16.60	16.43	16.51
			1	1	18.52	18.52	18.43	16.49	16.49	16.40
			36	18	18.56	18.49	18.43	16.53	16.46	16.40
			75	0	18.49	18.41	18.46	16.46	16.38	16.43

Bandwidth (MHz)	Modulation	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			EIRP (dBm)		
					372000	376500	381000	372000	376500	381000
					1860	1882.5	1905	1860	1882.5	1905
20	PI/2 BPSK	15	1	0	21.76	21.71	21.72	19.73	19.68	19.69
			1	1	22.73	22.74	22.77	20.70	20.71	20.74
			50	25	22.98	22.92	23.01	20.95	20.89	20.98
			100	0	21.93	21.86	21.86	19.90	19.83	19.83
	QPSK		1	0	21.76	21.73	21.64	19.73	19.70	19.61
			1	1	22.78	22.70	22.73	20.75	20.67	20.70
			50	25	22.98	22.85	22.90	20.95	20.82	20.87
			100	0	21.86	21.80	21.83	19.83	19.77	19.80
	16QAM		1	0	20.61	20.57	20.56	18.58	18.54	18.53
			1	1	21.67	21.65	21.63	19.64	19.62	19.60
			50	25	21.99	21.96	21.91	19.96	19.93	19.88
			100	0	20.85	20.80	20.92	18.82	18.77	18.89
	64QAM		1	0	20.43	20.43	20.36	18.40	18.40	18.33
			1	1	20.46	20.39	20.41	18.43	18.36	18.38
			50	25	20.51	20.46	20.52	18.48	18.43	18.49
			100	0	20.45	20.44	20.46	18.42	18.41	18.43
	256QAM		1	0	18.53	18.48	18.40	16.50	16.45	16.37
			1	1	18.56	18.47	18.66	16.53	16.44	16.63
			50	25	18.51	18.43	18.48	16.48	16.40	16.45
			100	0	18.48	18.45	18.54	16.45	16.42	16.51

DC_12A_n2A											
Bandwidth (MHz)	Modulation	Modulation (LTE)	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			EIRP (dBm)		
						370500	376000	381500	370500	376000	381500
						1852.5	1880	1907.5	1852.5	1880	1907.5
5	PI/2 BPSK	Band12-10MHz-707.5MHz-QPSK-1#0	15	1	0	22.15	22.19	22.12	20.12	20.16	20.09
				1	1	23.13	23.13	23.09	21.10	21.10	21.06
				12	6	23.17	23.21	23.13	21.14	21.18	21.10
				25	0	22.23	22.24	22.18	20.20	20.21	20.15
	QPSK			1	0	22.13	22.17	22.11	20.10	20.14	20.08
				1	1	23.14	23.20	23.07	21.11	21.17	21.04
				12	6	23.19	23.20	23.15	21.16	21.17	21.12
				25	0	22.21	22.27	22.17	20.18	20.24	20.14
	16QAM			1	0	21.10	21.15	21.05	19.07	19.12	19.02
				1	1	22.12	22.16	22.07	20.09	20.13	20.04
				12	6	22.12	22.17	22.12	20.09	20.14	20.09
				25	0	21.18	21.21	21.14	19.15	19.18	19.11
	64QAM			1	0	20.78	20.74	20.69	18.75	18.71	18.66

				1	1	20.74	20.80	20.73	18.71	18.77	18.70
				12	6	20.58	20.60	20.53	18.55	18.57	18.50
				25	0	20.64	20.72	20.62	18.61	18.69	18.59
				1	0	18.57	18.56	18.60	16.54	16.53	16.57
	256QAM			1	1	18.56	18.78	18.54	16.53	16.75	16.51
				12	6	18.70	18.66	18.65	16.67	16.63	16.62
				25	0	18.69	18.81	18.71	16.66	16.78	16.68
Bandwidth (MHz)	Modulation	Modulation (LTE)	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			EIRP (dBm)		
						371000	376000	381000	371000	376000	381000
						1855	1880	1905	1855	1880	1905
				1	0	22.02	21.99	21.96	19.99	19.96	19.93
	PI/2 BPSK			1	1	23.00	22.91	22.94	20.97	20.88	20.91
				25	12	23.11	23.01	23.00	21.08	20.98	20.97
				50	0	22.06	21.93	21.98	20.03	19.90	19.95
				1	0	22.02	21.95	21.99	19.99	19.92	19.96
	QPSK			1	1	22.98	22.88	22.91	20.95	20.85	20.88
				25	12	23.07	23.08	23.01	21.04	21.05	20.98
				50	0	22.11	22.04	21.96	20.08	20.01	19.93
				1	0	20.95	20.94	20.91	18.92	18.91	18.88
	16QAM			1	1	21.96	21.92	21.90	19.93	19.89	19.87
				25	12	22.12	22.09	21.97	20.09	20.06	19.94
				50	0	21.01	20.95	20.92	18.98	18.92	18.89
				1	0	20.60	20.60	20.57	18.57	18.57	18.54
	64QAM			1	1	20.53	20.47	20.55	18.50	18.44	18.52
				25	12	20.56	20.51	20.44	18.53	18.48	18.41
				50	0	20.51	20.48	20.43	18.48	18.45	18.4
				1	0	18.43	18.45	18.41	16.40	16.42	16.38
	256QAM			1	1	18.46	18.40	18.40	16.43	16.37	16.37
				25	12	18.70	18.60	18.54	16.67	16.57	16.51
				50	0	18.54	18.57	18.50	16.51	16.54	16.47
Bandwidth (MHz)	Modulation	Modulation (LTE)	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			EIRP (dBm)		
						371500	376000	380500	371500	376000	380500
						1857.5	1880	1902.5	1857.5	1880	1902.5
				1	0	22.15	22.04	22.01	20.12	20.01	19.98
	PI/2 BPSK			1	1	23.09	23.05	22.98	21.06	21.02	20.95
				36	18	23.30	23.26	23.14	21.27	21.23	21.11
				75	0	22.26	22.20	22.23	20.23	20.17	20.20
				1	0	22.14	22.06	22.01	20.11	20.03	19.98
	QPSK			1	1	23.10	23.01	23.00	21.07	20.98	20.97
				36	18	23.25	23.31	23.18	21.22	21.28	21.15
				75	0	22.27	22.23	22.20	20.24	20.20	20.17

10	Band12-10MHz-707.5MHz-QPSK-1#0	15
15	Band12-10MHz-707.5MHz-QPSK-1#0	15

	16QAM			1	0	21.13	21.04	20.97	19.10	19.01	18.94
				1	1	22.10	22.07	22.01	20.07	20.04	19.98
				36	18	22.28	22.30	22.14	20.25	20.27	20.11
				75	0	21.18	21.19	21.09	19.15	19.16	19.06
	64QAM			1	0	20.74	20.66	20.67	18.71	18.63	18.64
				1	1	20.73	20.71	20.62	18.70	18.68	18.59
				36	18	20.69	20.63	20.58	18.66	18.60	18.55
				75	0	20.67	20.65	20.67	18.64	18.62	18.64
	256QAM			1	0	18.64	18.54	18.49	16.61	16.51	16.46
				1	1	18.56	18.47	18.50	16.53	16.44	16.47
				36	18	18.89	18.88	18.79	16.86	16.85	16.76
				75	0	18.81	18.78	18.72	16.78	16.75	16.69

Bandwidth (MHz)	Modulation	Modulation (LTE)	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			EIRP (dBm)		
						372000	376000	380000	372000	376000	380000
						1860	1880	1900	1860	1880	1900
20	PI/2 BPSK	Band12-10MHz-707.5MHz-QPSK-1#0	15	1	0	22.08	22.02	22.05	20.05	19.99	20.02
				1	1	23.04	23.05	23.01	21.01	21.02	20.98
				50	25	23.26	23.28	23.21	21.23	21.25	21.18
				100	0	22.21	22.21	22.18	20.18	20.18	20.15
	QPSK			1	0	22.09	22.03	22.05	20.06	20.00	20.02
				1	1	23.05	23.01	23.05	21.02	20.98	21.02
				50	25	23.33	23.3	23.16	21.30	21.27	21.13
				100	0	22.28	22.21	22.21	20.25	20.18	20.18
	16QAM			1	0	21.04	20.98	21.06	19.01	18.95	19.03
				1	1	22.09	22.04	22.08	20.06	20.01	20.05
				50	25	22.21	22.26	22.16	20.18	20.23	20.13
				100	0	21.15	21.13	21.15	19.12	19.10	19.12
	64QAM			1	0	20.64	20.64	20.70	18.61	18.61	18.67
				1	1	20.68	20.62	20.69	18.65	18.59	18.66
				50	25	20.75	20.71	20.66	18.72	18.68	18.63
				100	0	20.69	20.67	20.65	18.66	18.64	18.62
	256QAM			1	0	18.56	18.50	18.50	16.53	16.47	16.47
				1	1	18.57	18.51	18.51	16.54	16.48	16.48
				50	25	18.79	18.76	18.75	16.76	16.73	16.72
				100	0	18.78	18.76	18.74	16.75	16.73	16.71

DC_66A_n25A												
Bandwidth (MHz)	Modulation	Modulation (LTE)	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			EIRP (dBm)			
						370500	376500	382500	370500	376500	382500	
						1852.5	1882.5	1912.5	1852.5	1882.5	1912.5	
5	PI/2 BPSK	Band66-10MHz-1745MHz-QPSK-1#0	15	1	0	22.14	22.15	22.03	20.11	20.12	20.00	
				1	1	23.09	23.12	23.03	21.06	21.09	21.00	
				12	6	23.22	23.18	23.16	21.19	21.15	21.13	
				25	0	22.21	22.17	22.12	20.18	20.14	20.09	
	QPSK			1	0	22.10	22.13	22.07	20.07	20.10	20.04	
				1	1	23.12	23.12	23.04	21.09	21.09	21.01	
				12	6	23.19	23.18	23.17	21.16	21.15	21.14	
				25	0	22.23	22.24	22.10	20.20	20.21	20.07	
	16QAM			1	0	21.22	21.22	21.13	19.19	19.19	19.10	
				1	1	22.21	22.23	22.12	20.18	20.20	20.09	
				12	6	22.22	22.23	22.17	20.19	20.20	20.14	
				25	0	21.13	21.15	21.06	19.10	19.12	19.03	
	64QAM			1	0	20.86	20.88	20.79	18.83	18.85	18.76	
				1	1	20.85	20.86	20.78	18.82	18.83	18.75	
				12	6	20.68	20.68	20.62	18.65	18.65	18.59	
				25	0	20.66	20.71	20.61	18.63	18.68	18.58	
	256QAM			1	0	18.83	18.85	18.76	16.80	16.82	16.73	
				1	1	18.84	18.83	18.77	16.81	16.80	16.74	
				12	6	18.74	18.72	18.64	16.71	16.69	16.61	
				25	0	18.82	18.86	18.72	16.79	16.83	16.69	
Bandwidth (MHz)	Modulation	Modulation (LTE)	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			EIRP (dBm)			
						371000	376500	382000	371000	376500	382000	
						1855	1882.5	1910	1855	1882.5	1910	
10	PI/2 BPSK	Band66-10MHz-1745MHz-QPSK-1#0	15	1	0	21.91	21.85	21.79	19.88	19.82	19.76	
				1	1	22.87	22.81	22.78	20.84	20.78	20.75	
				25	12	23.02	22.96	22.93	20.99	20.93	20.90	
				50	0	22.02	22.00	21.92	19.99	19.97	19.89	
	QPSK			1	0	21.87	21.85	21.81	19.84	19.82	19.78	
				1	1	22.86	22.78	22.83	20.83	20.75	20.80	
				25	12	23.05	23.01	22.90	21.02	20.98	20.87	
				50	0	22.01	22.00	21.89	19.98	19.97	19.86	
	16QAM			1	0	21.02	20.93	20.91	18.99	18.90	18.88	
				1	1	22.02	21.91	21.92	19.99	19.88	19.89	
				25	12	21.97	21.93	21.91	19.94	19.90	19.88	
				50	0	21.00	20.94	20.87	18.97	18.91	18.84	
	64QAM			1	0	20.71	20.61	20.57	18.68	18.58	18.54	

				1	1	20.66	20.59	20.60	18.63	18.56	18.57
				25	12	20.54	20.46	20.39	18.51	18.43	18.36
				50	0	20.49	20.45	20.34	18.46	18.42	18.31
				1	0	18.64	18.62	18.55	16.61	16.59	16.52
	256QAM			1	1	18.61	18.59	18.57	16.58	16.56	16.54
				25	12	18.68	18.63	18.59	16.65	16.60	16.56
				50	0	18.66	18.57	18.50	16.63	16.54	16.47
Bandwidth (MHz)	Modulation	Modulation (LTE)	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			EIRP (dBm)		
						371500	376500	381500	371500	376500	381500
						1857.5	1882.5	1907.5	1857.5	1882.5	1907.5
				1	0	22.00	21.95	21.92	19.97	19.92	19.89
	PI/2 BPSK			1	1	22.94	22.92	22.96	20.91	20.89	20.93
				36	18	23.21	23.18	23.12	21.18	21.15	21.09
				75	0	22.15	22.11	22.09	20.12	20.08	20.06
				1	0	21.97	21.99	21.91	19.94	19.96	19.88
	QPSK			1	1	23.02	22.93	22.94	20.99	20.90	20.91
				36	18	23.17	23.12	23.13	21.14	21.09	21.10
				75	0	22.18	22.14	22.06	20.15	20.11	20.03
				1	0	21.10	21.04	21.05	19.07	19.01	19.02
	16QAM	Band66-10MHz-1745MHz-QPSK-1#0		1	1	22.15	22.02	22.04	20.12	19.99	20.01
				36	18	22.14	22.12	22.12	20.11	20.09	20.09
				75	0	21.16	21.12	21.06	19.13	19.09	19.03
				1	0	20.79	20.69	20.74	18.76	18.66	18.71
	64QAM			1	1	20.77	20.68	20.73	18.74	18.65	18.70
				36	18	20.68	20.63	20.61	18.65	18.60	18.58
				75	0	20.60	20.59	20.51	18.57	18.56	18.48
				1	0	18.78	18.67	18.69	16.75	16.64	16.66
15	256QAM		15	1	1	18.71	18.66	18.65	16.68	16.63	16.62
				36	18	18.81	18.73	18.73	16.78	16.70	16.70
				75	0	18.76	18.68	18.59	16.73	16.65	16.56
Bandwidth (MHz)	Modulation	Modulation (LTE)	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			EIRP (dBm)		
						372000	376500	381000	372000	376500	381000
						1860	1882.5	1905	1860	1882.5	1905
				1	0	21.99	21.85	21.89	19.96	19.82	19.86
	PI/2 BPSK			1	1	22.97	22.88	22.83	20.94	20.85	20.80
				50	25	23.12	23.23	23.14	21.09	21.20	21.11
				100	0	22.15	22.11	22.13	20.12	20.08	20.10
				1	0	21.98	21.85	21.90	19.95	19.82	19.87
20	QPSK	Band66-10MHz-1745MHz-QPSK-1#0	15	1	1	22.96	22.82	22.87	20.93	20.79	20.84
				50	25	23.15	23.18	23.12	21.12	21.15	21.09
				100	0	22.13	22.14	22.10	20.10	20.11	20.07

	16QAM			1	0	21.05	20.97	21.01	19.02	18.94	18.98
				1	1	22.11	21.98	21.99	20.08	19.95	19.96
				50	25	22.16	22.15	22.13	20.13	20.12	20.10
				100	0	21.13	21.12	21.07	19.10	19.09	19.04
	64QAM			1	0	20.78	20.67	20.62	18.75	18.64	18.59
				1	1	20.81	20.69	20.67	18.78	18.66	18.64
				50	25	20.63	20.62	20.61	18.60	18.59	18.58
				100	0	20.61	20.59	20.60	18.58	18.56	18.57
	256QAM			1	0	18.72	18.65	18.62	16.69	16.62	16.59
				1	1	18.70	18.64	18.63	16.67	16.61	16.60
				50	25	18.78	18.76	18.72	16.75	16.73	16.69
				100	0	18.70	18.77	18.70	16.67	16.74	16.67

6.2. Occupied Bandwidth

Mode	Channel	Frequency (MHz)	99% Power Bandwidth (MHz)	-26dBc Bandwidth(MHz)
WCDMA Band II (RMC)	9262	1852.4	4.140	4.683
	9400	1880	4.140	4.654
	9538	1907.6	4.142	4.651

LTE Band 2						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	1.4	18607	1850.7	1.097	1.289
			18900	1880.0	1.090	1.289
			19193	1909.3	1.092	1.271
		3	18615	1851.5	2.691	2.936
			18900	1880	2.696	2.945
			19185	1908.5	2.688	2.920
		5	18625	1852.5	4.524	4.911
			18900	1880	4.504	4.940
			19175	1907.5	4.504	4.930
		10	18650	1855	8.991	9.743
			18900	1880	8.985	9.632
			19150	1905	8.972	9.712
		15	18675	1857.5	13.439	14.546
			18900	1880	13.451	14.626
			19125	1902.5	13.509	14.483
		20	18700	1860	18.000	19.253
			18900	1880	17.967	19.195
			19100	1900	17.975	19.315
	16QAM	1.4	18607	1850.7	1.093	1.294
			18900	1880.0	1.098	1.287
			19193	1909.3	1.092	1.277
		3	18615	1851.5	2.698	2.932
			18900	1880	2.700	2.948
			19185	1908.5	2.689	2.979
		5	18625	1852.5	4.501	4.934
			18900	1880	4.523	4.877
			19175	1907.5	4.518	4.993

		10	18650	1855	8.978	9.701
			18900	1880	8.967	9.612
			19150	1905	8.998	9.717
		15	18675	1857.5	13.480	14.561
			18900	1880	13.470	14.501
			19125	1902.5	13.448	14.550
		20	18700	1860	17.951	19.267
			18900	1880	17.909	19.359
			19100	1900	17.903	19.183
	64QAM	1.4	18607	1850.7	1.092	1.288
			18900	1880.0	1.099	1.282
			19193	1909.3	1.097	1.267
		3	18615	1851.5	2.685	2.941
			18900	1880	2.696	2.924
			19185	1908.5	2.691	2.945
		5	18625	1852.5	4.509	4.957
			18900	1880	4.508	4.931
			19175	1907.5	4.516	4.933
		10	18650	1855	8.992	9.782
			18900	1880	8.973	9.688
			19150	1905	9.005	9.781
		15	18675	1857.5	13.419	14.554
			18900	1880	13.452	14.608
			19125	1902.5	13.470	14.629
		20	18700	1860	17.952	19.362
			18900	1880	17.950	19.440
			19100	1900	17.986	19.264

NR n2						
RB	**Bandwidth (MHz)**	**Modulation**	**Channel**	**Frequency (MHz)**	**99% Power Bandwidth (MHz)**	**-26dBc Bandwidth (MHz)**
100%	20M	P1/2 BPSK	372000	1860	18.468	20.34
			376000	1880	18.529	20.34
			380000	1900	18.479	20.23
		QPSK	372000	1860	18.506	20.24
			376000	1880	18.516	20.31
			380000	1900	18.511	20.33
		16QAM	372000	1860	18.334	20.31
			376000	1880	18.347	20.34
			380000	1900	18.357	20.24

		64QAM	372000	1860	18.342	20.32
			376000	1880	18.346	20.32
			380000	1900	18.358	20.29
		256QAM	372000	1860	18.334	20.35
			376000	1880	18.355	20.31
			380000	1900	18.363	20.38

NR n25						
RB	**Bandwidth (MHz)**	**Modulation**	**Channel**	**Frequency (MHz)**	**99% Power Bandwidth (MHz)**	**-26dBc Bandwidth (MHz)**
100%	20M	P1/2 BPSK	372000	1860	18.411	20.36
			376500	1882.5	18.403	20.45
			381000	1905	18.381	20.48
		QPSK	372000	1860	18.400	20.36
			376500	1882.5	18.397	21.01
			381000	1905	18.407	20.37
		16QAM	372000	1860	18.353	20.35
			376500	1882.5	18.353	20.57
			381000	1905	18.355	20.33
		64QAM	372000	1860	18.441	20.46
			376500	1882.5	18.427	20.33
			381000	1905	18.414	20.31
		256QAM	372000	1860	18.399	20.38
			376500	1882.5	18.406	20.37
			381000	1905	18.365	20.58

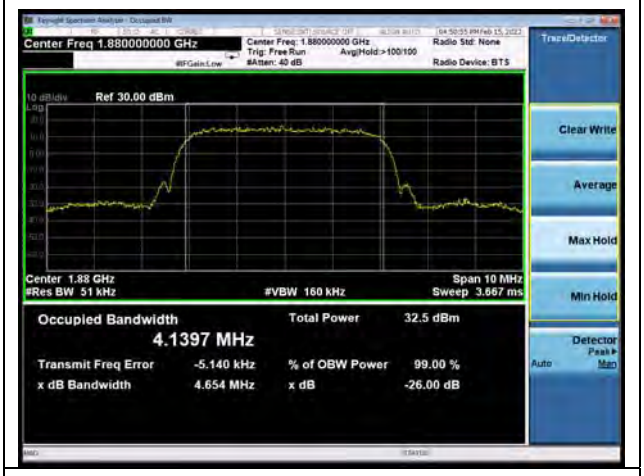
DC_12A_n2A						
RB	**Bandwidth (MHz)**	**Modulation**	**Channel**	**Frequency (MHz)**	**99% Power Bandwidth (MHz)**	**-26dBc Bandwidth (MHz)**
100%	20M	P1/2 BPSK	372000	1860	18.523	20.38
			376000	1880	18.510	20.44
			380000	1900	18.462	20.36
		QPSK	372000	1860	18.498	20.33
			376000	1880	18.508	20.37
			380000	1900	18.489	20.23
		16QAM	372000	1860	18.346	20.32
			376000	1880	18.347	20.37
			380000	1900	18.379	20.30
		64QAM	372000	1860	18.342	20.35

			376000	1880	18.345	20.30
			380000	1900	18.363	20.25
		256QAM	372000	1860	18.337	20.25
			376000	1880	18.354	20.29
			380000	1900	18.368	20.55

DC_66A_n25A						
RB	**Bandwidth (MHz)**	**Modulation**	**Channel**	**Frequency (MHz)**	**99% Power Bandwidth (MHz)**	**-26dBc Bandwidth (MHz)**
100%	20M	P1/2 BPSK	372000	1860	18.499	20.48
			376500	1882.5	18.437	20.36
			381000	1905	18.454	20.27
		QPSK	372000	1860	18.466	20.31
			376500	1882.5	18.475	20.32
			381000	1905	18.474	20.23
		16QAM	372000	1860	18.368	20.30
			376500	1882.5	18.338	20.38
			381000	1905	18.349	20.35
		64QAM	372000	1860	18.461	20.50
			376500	1882.5	18.460	20.47
			381000	1905	18.451	20.42
		256QAM	372000	1860	18.335	20.43
			376500	1882.5	18.365	20.36
			381000	1905	18.346	20.46

WCDMA Band II RMC CH-LOW

WCDMA Band II RMC CH-Middle



WCDMA Band II RMC CH-High

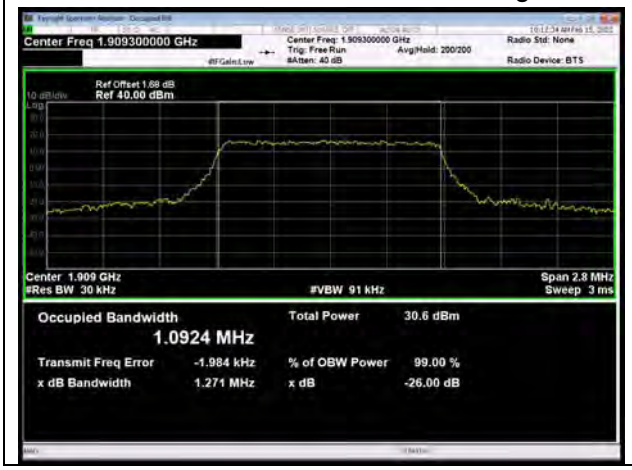
LTE Band 2 1.4MHz QPSK CH-Low

LTE Band 2 3MHz QPSK CH-Low

LTE Band 2 1.4MHz QPSK CH-Middle

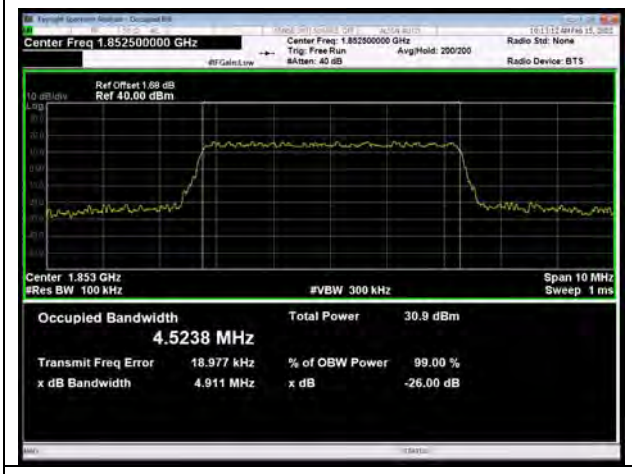
LTE Band 2 3MHz QPSK CH-Middle

LTE Band 2 1.4MHz QPSK CH-High



LTE Band 2 3MHz QPSK CH-High

LTE Band 2 5MHz QPSK CH-Low

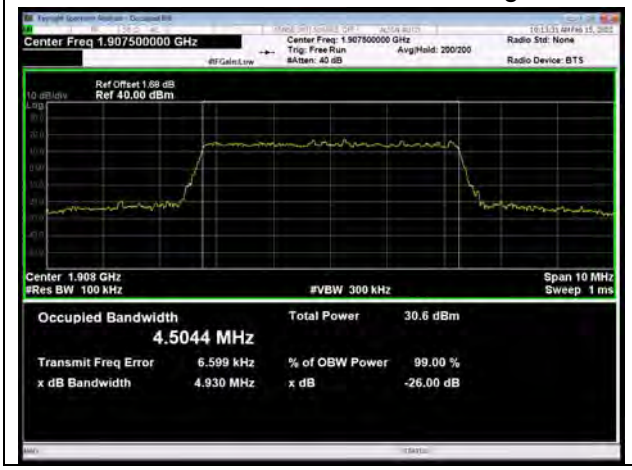


LTE Band 2 10MHz QPSK CH-Low

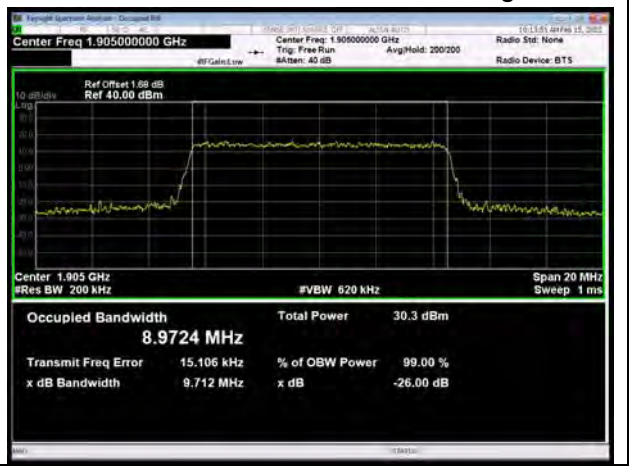
LTE Band 2 5MHz QPSK CH-Middle

LTE Band 2 10MHz QPSK CH-Middle

LTE Band 2 5MHz QPSK CH-High



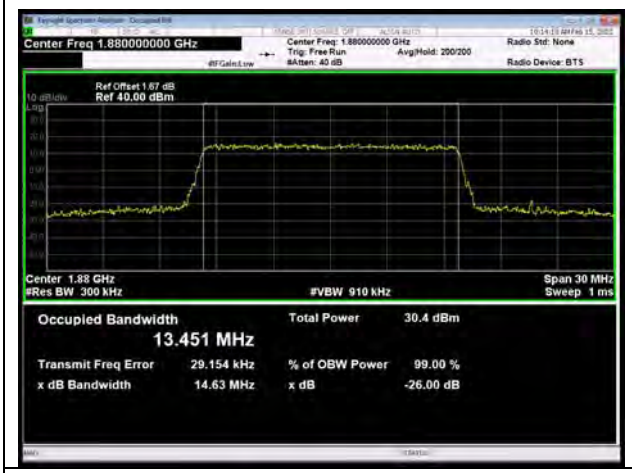
LTE Band 2 10MHz QPSK CH-High



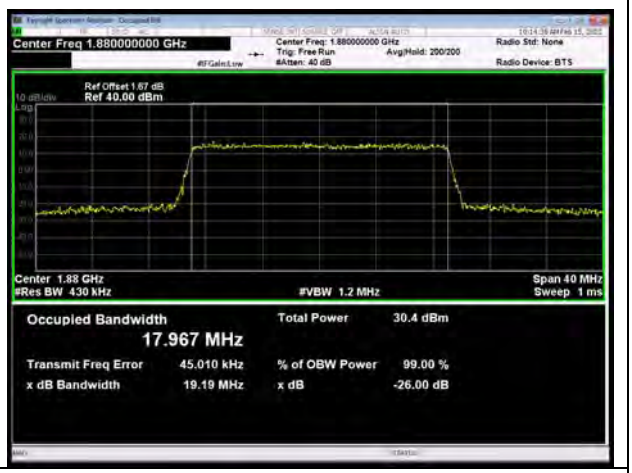
LTE Band 2 15MHz QPSK CH-Low

LTE Band 2 20MHz QPSK CH-Low

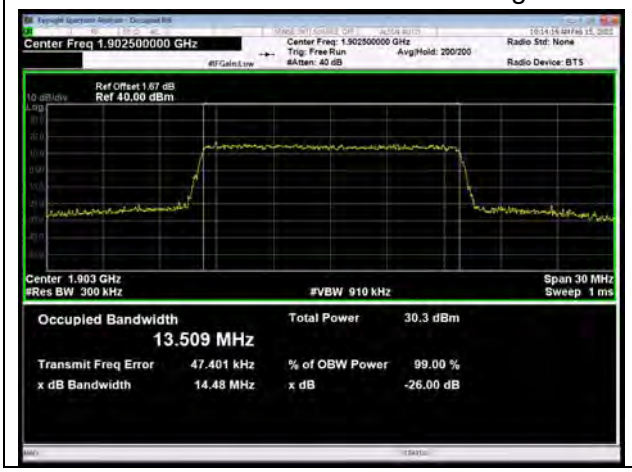
LTE Band 2 15MHz QPSK CH-Middle



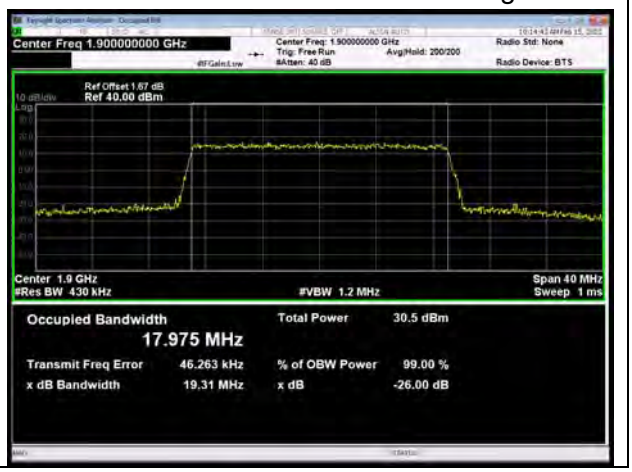
LTE Band 2 20MHz QPSK CH-Middle



LTE Band 2 15MHz QPSK CH-High



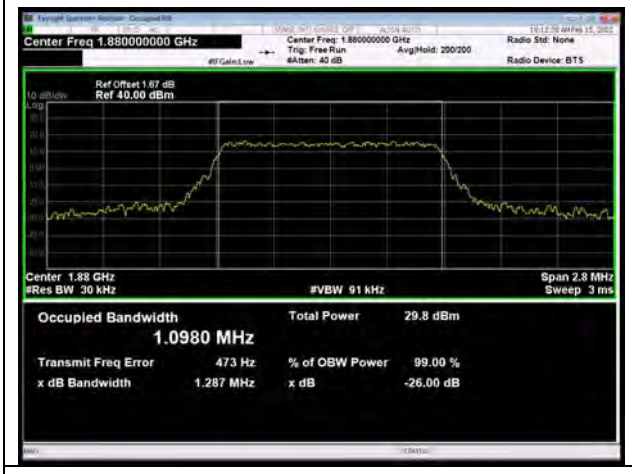
LTE Band 2 20MHz QPSK CH-High



LTE Band 2 1.4MHz 16QAM CH-Low

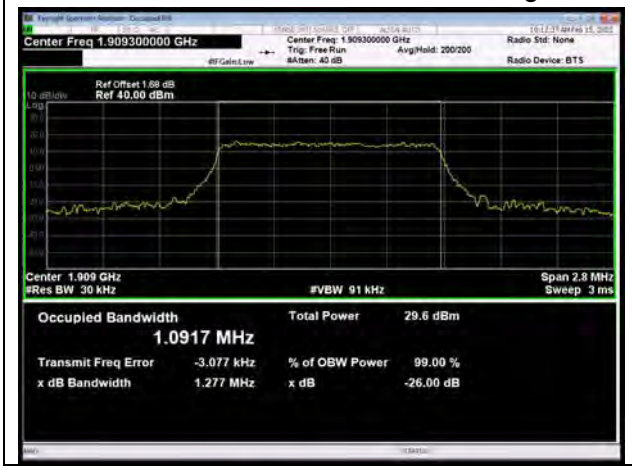
LTE Band 2 3MHz 16QAM CH-Low

LTE Band 2 1.4MHz 16QAM CH-Middle

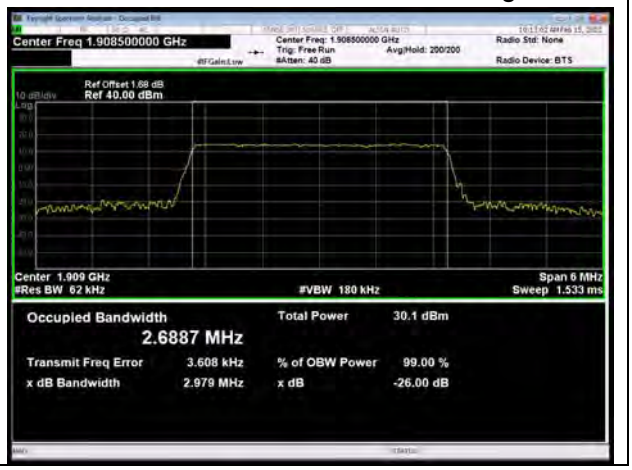


LTE Band 2 3MHz 16QAM CH-Middle

LTE Band 2 1.4MHz 16QAM CH-High



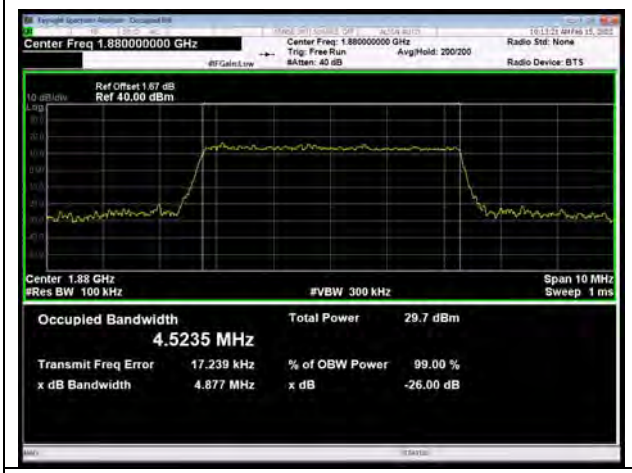
LTE Band 2 3MHz 16QAM CH-High



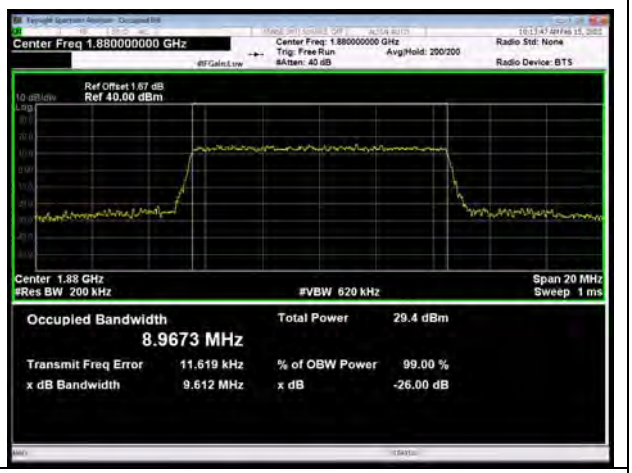
LTE Band 2 5MHz 16QAM CH-Low

LTE Band 2 10MHz 16QAM CH-Low

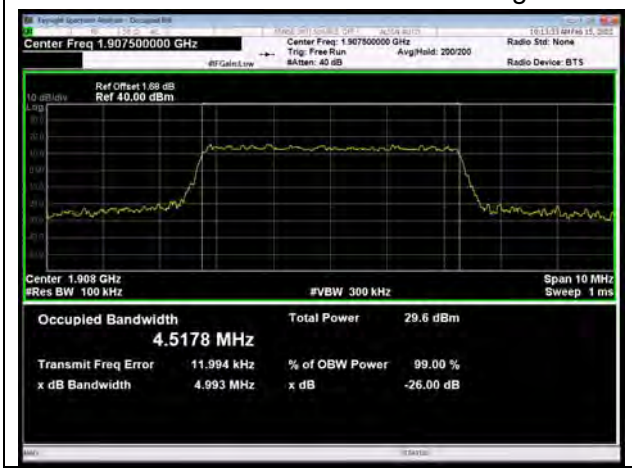
LTE Band 2 5MHz 16QAM CH-Middle



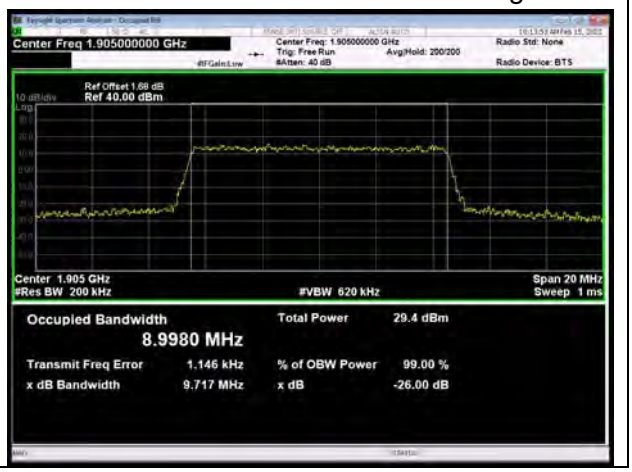
LTE Band 2 10MHz 16QAM CH-Middle



LTE Band 2 5MHz 16QAM CH-High



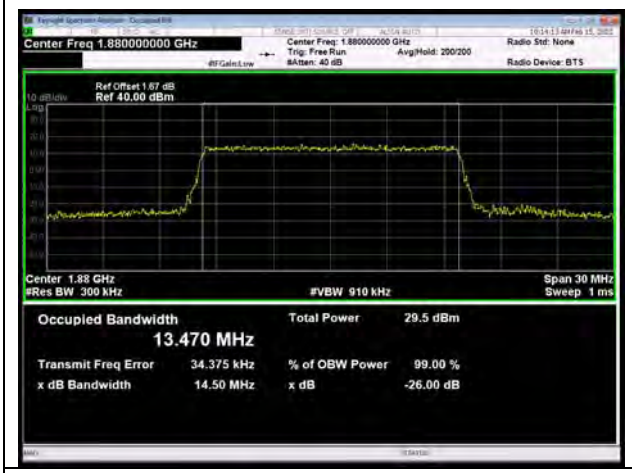
LTE Band 2 10MHz 16QAM CH-High



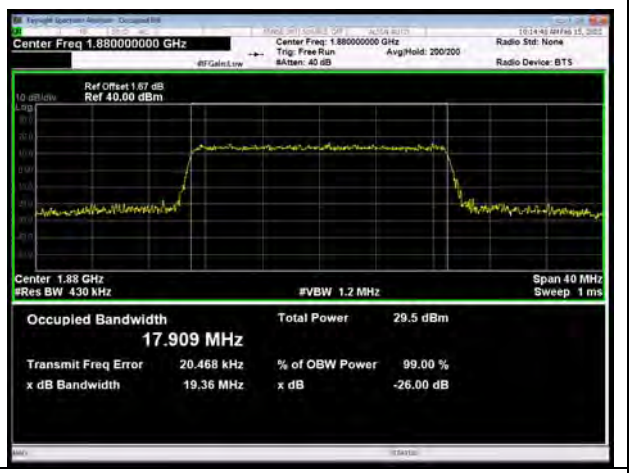
LTE Band 2 15MHz 16QAM CH-Low

LTE Band 2 20MHz 16QAM CH-Low

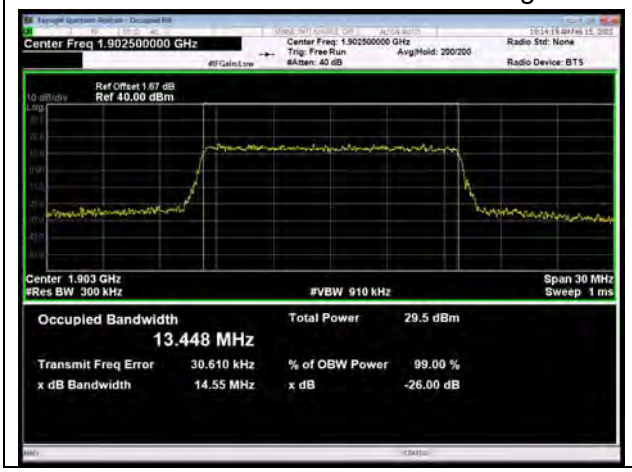
LTE Band 2 15MHz 16QAM CH-Middle



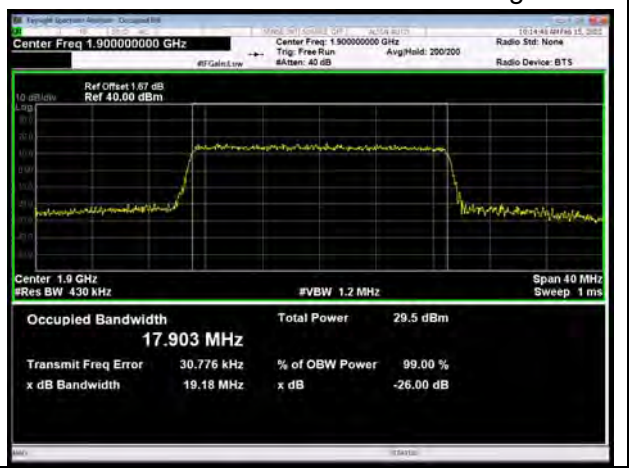
LTE Band 2 20MHz 16QAM CH-Middle



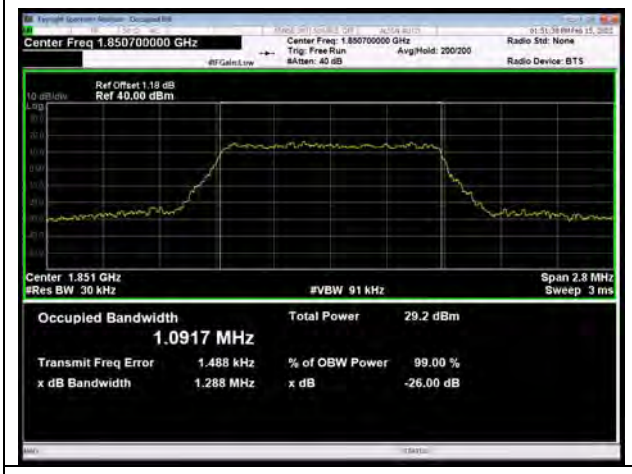
LTE Band 2 15MHz 16QAM CH-High



LTE Band 2 20MHz 16QAM CH-High

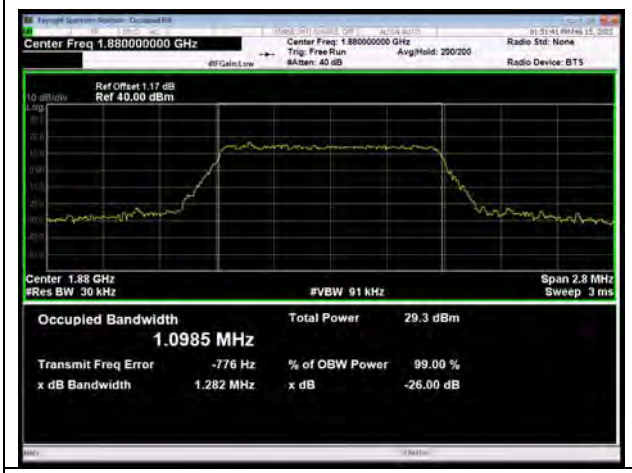


LTE Band 2 1.4MHz 64QAM CH-Low

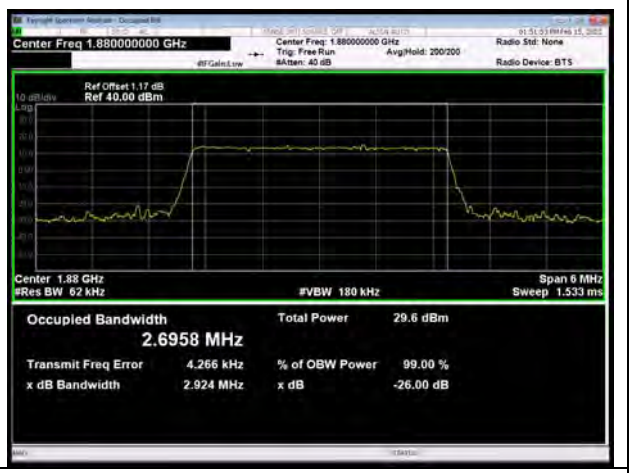


LTE Band 2 3MHz 64QAM CH-Low

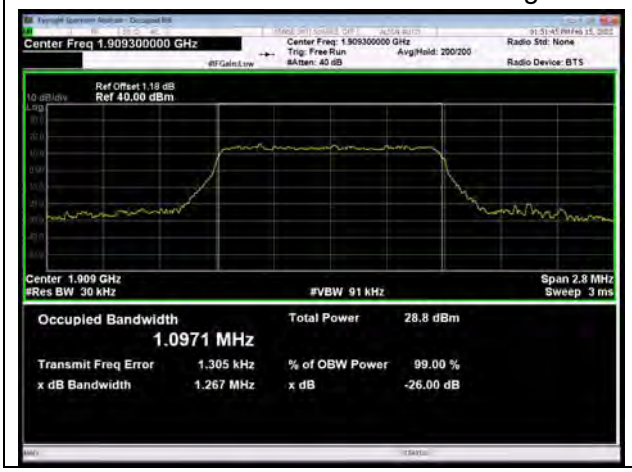
LTE Band 2 1.4MHz 64QAM CH-Middle



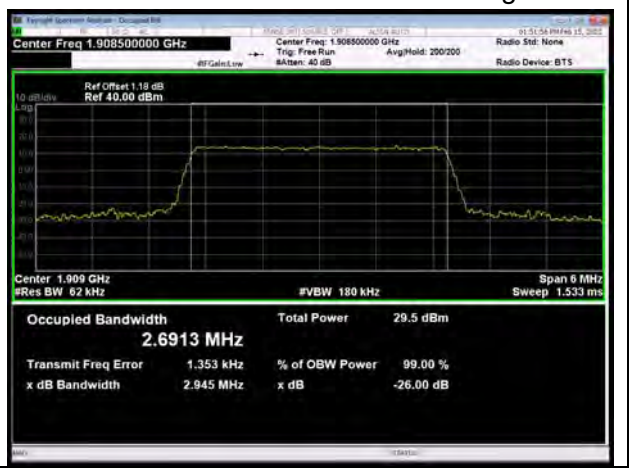
LTE Band 2 3MHz 64QAM CH-Middle



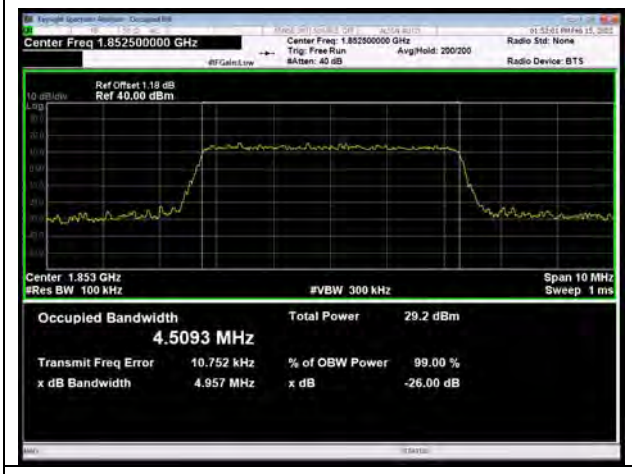
LTE Band 2 1.4MHz 64QAM CH-High



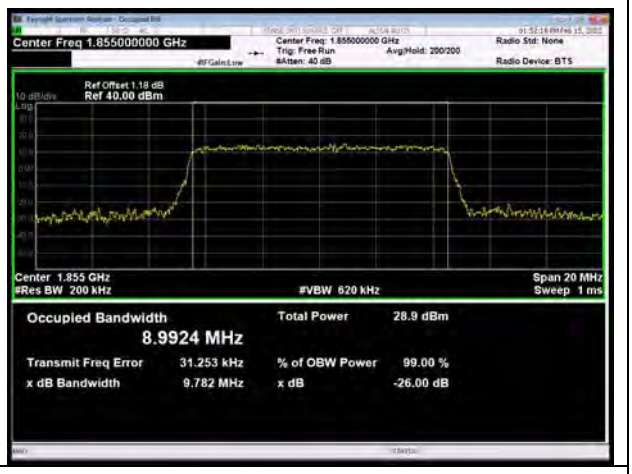
LTE Band 2 3MHz 64QAM CH-High



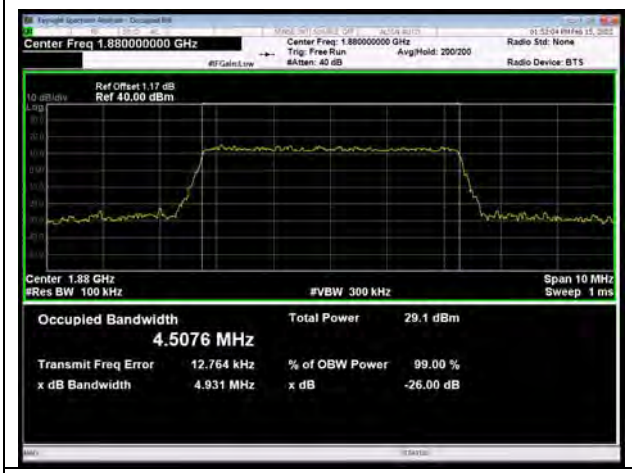
LTE Band 2 5MHz 64QAM CH-Low



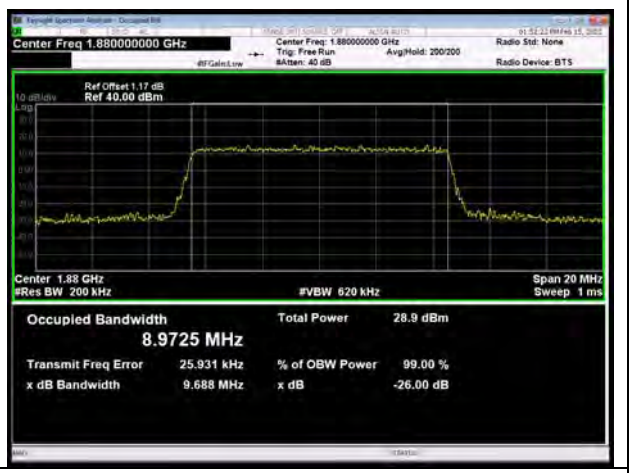
LTE Band 2 10MHz 64QAM CH-Low



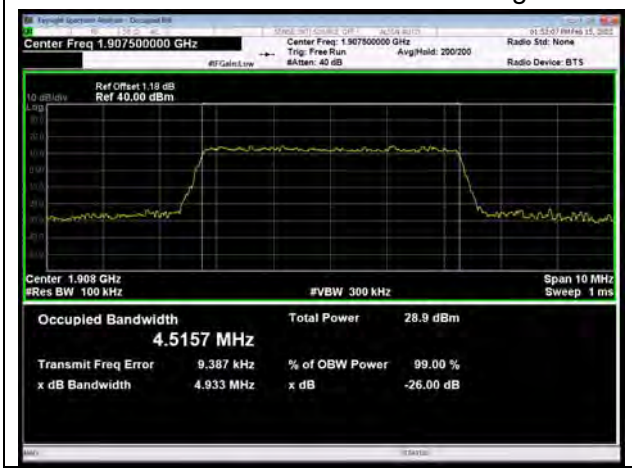
LTE Band 2 5MHz 64QAM CH-Middle



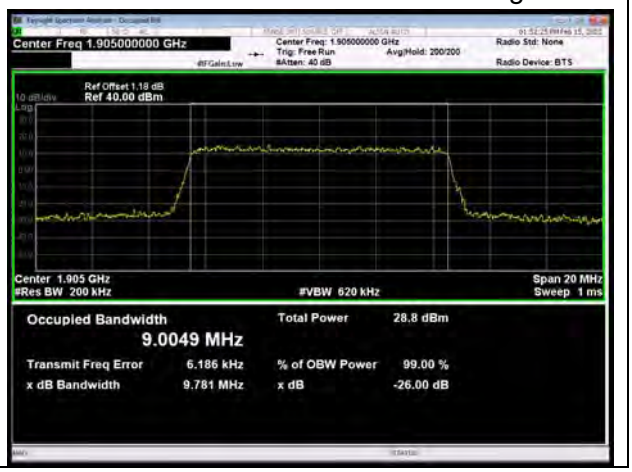
LTE Band 2 10MHz 64QAM CH-Middle



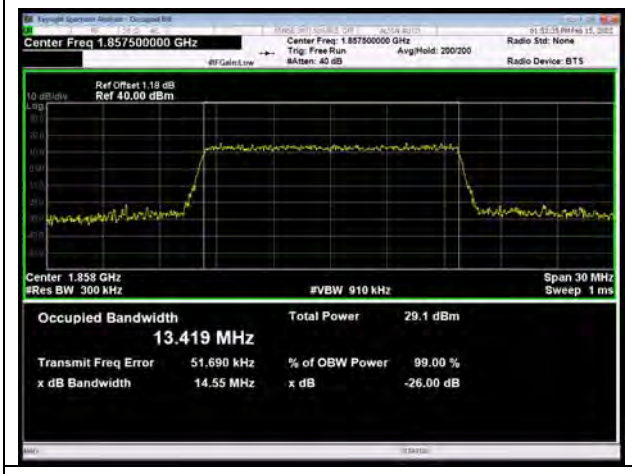
LTE Band 2 5MHz 64QAM CH-High



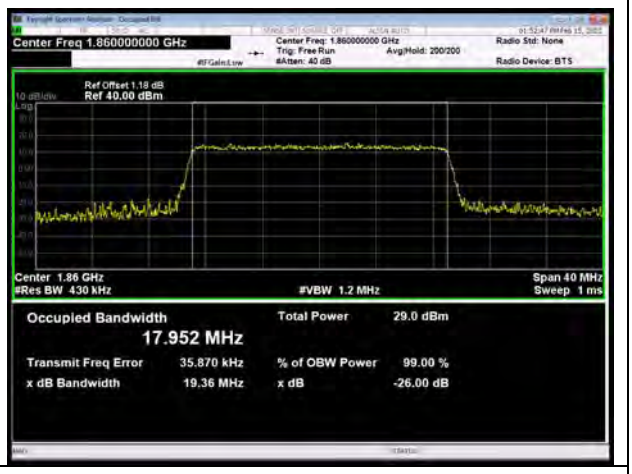
LTE Band 2 10MHz 64QAM CH-High



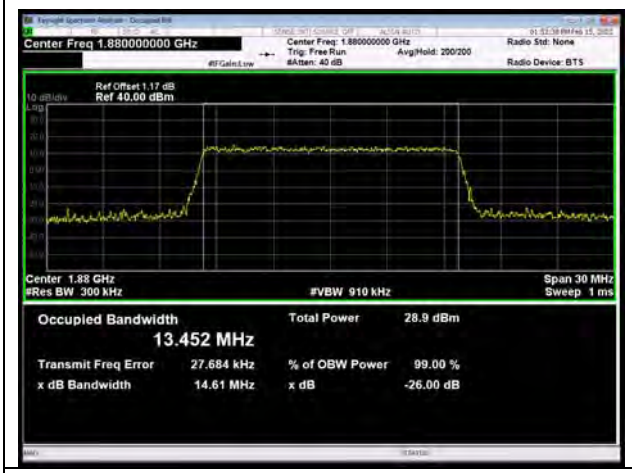
LTE Band 2 15MHz 64QAM CH-Low



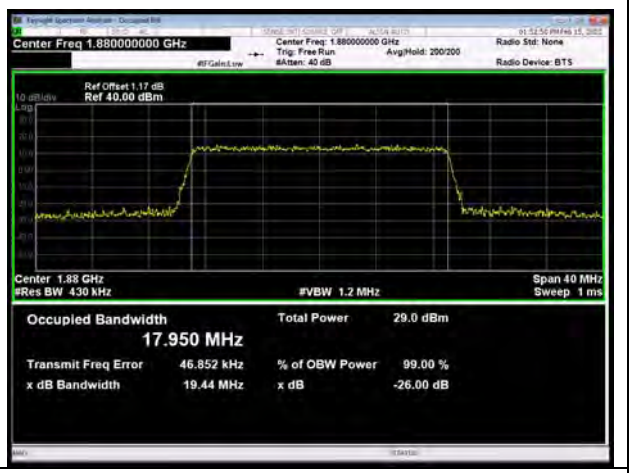
LTE Band 2 20MHz 64QAM CH-Low



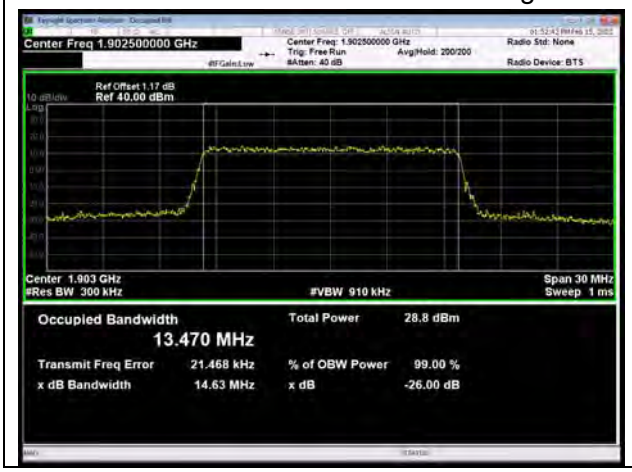
LTE Band 2 15MHz 64QAM CH-Middle



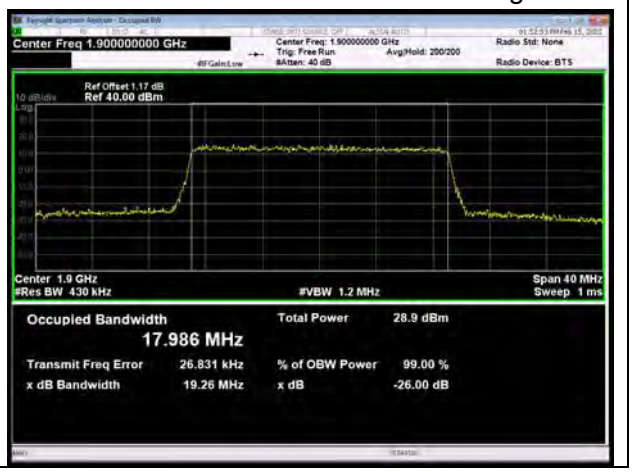
LTE Band 2 20MHz 64QAM CH-Middle



LTE Band 2 15MHz 64QAM CH-High



LTE Band 2 20MHz 64QAM CH-High



NR n2 P1/2 BPSK 20MHz CH-Low

NR n2 QPSK 20MHz CH-Low

NR n2 P1/2 BPSK 20MHz CH-Middle

NR n2 QPSK 20MHz CH-Middle

NR n2 P1/2 BPSK 20MHz CH-High

NR n2 QPSK 20MHz CH-High

NR n2 16QAM 20MHz CH-Low

NR n2 64QAM 20MHz CH-Low

NR n2 16QAM 20MHz CH-Middle

NR n2 64QAM 20MHz CH-Middle

NR n2 16QAM 20MHz CH-High

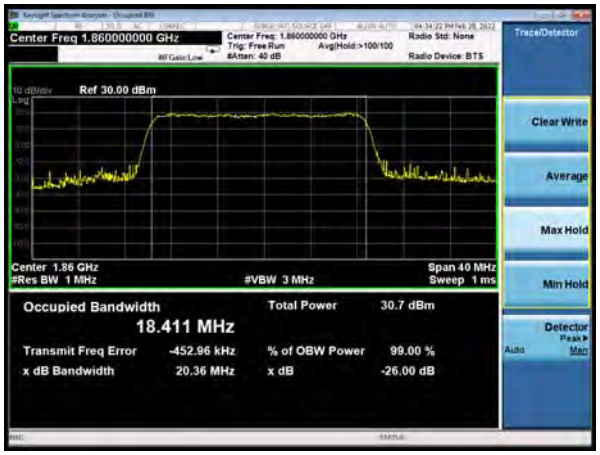
NR n2 64QAM 20MHz CH-High

NR n2 256QAM 20MHz CH-Low

NR n2 256QAM 20MHz CH-Middle

NR n2 256QAM 20MHz CH-High

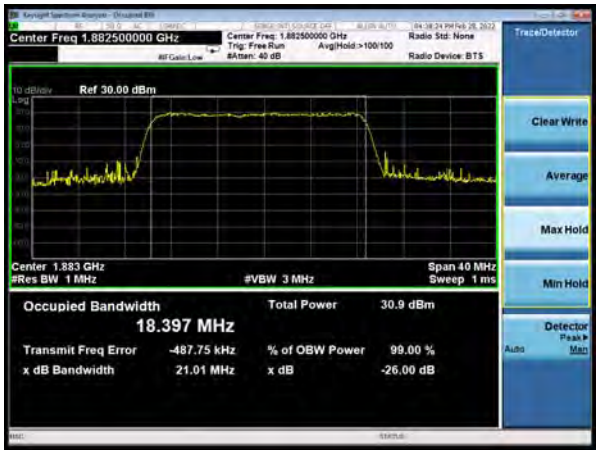
NR n25 P1/2 BPSK 20MHz CH-Low



NR n25 QPSK 20MHz CH-Low

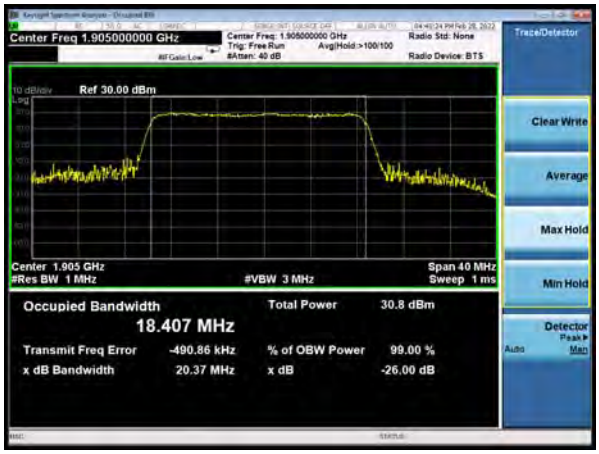
NR n25 P1/2 BPSK 20MHz CH-Middle

NR n25 QPSK 20MHz CH-Middle



NR n25 P1/2 BPSK 20MHz CH-High

NR n25 QPSK 20MHz CH-High

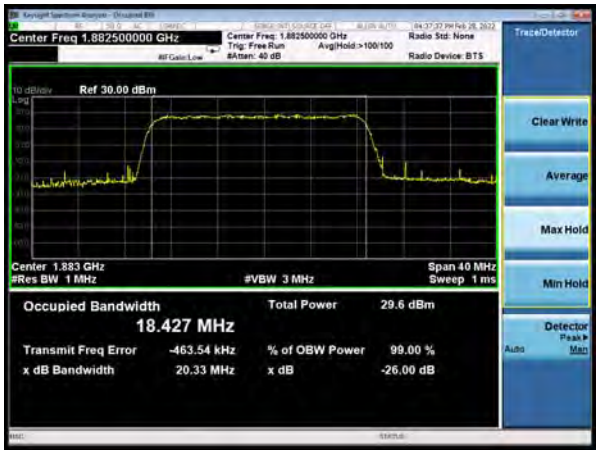


NR n25 16QAM 20MHz CH-Low

NR n25 64QAM 20MHz CH-Low

NR n25 16QAM 20MHz CH-Middle

NR n25 64QAM 20MHz CH-Middle

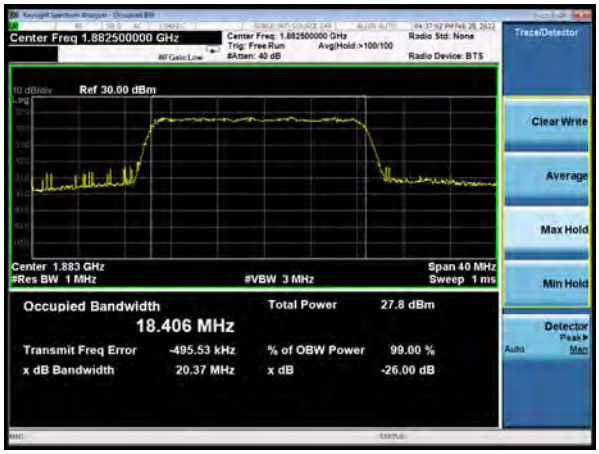


NR n25 16QAM 20MHz CH-High

NR n25 64QAM 20MHz CH-High

NR n25 256QAM 20MHz CH-Low

NR n25 256QAM 20MHz CH-Middle



NR n25 256QAM 20MHz CH-High

DC_12A_n2A P1/2 BPSK 20MHz CH-Low

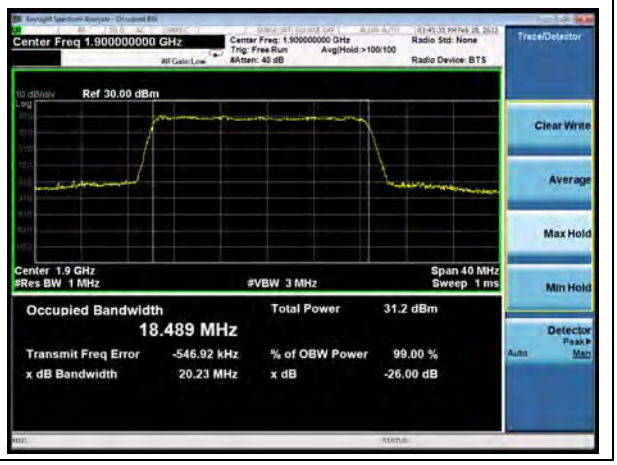
DC_12A_n2A QPSK 20MHz CH-Low

DC_12A_n2A P1/2 BPSK 20MHz CH-Middle

DC_12A_n2A QPSK 20MHz CH-Middle

DC_12A_n2A P1/2 BPSK 20MHz CH-High

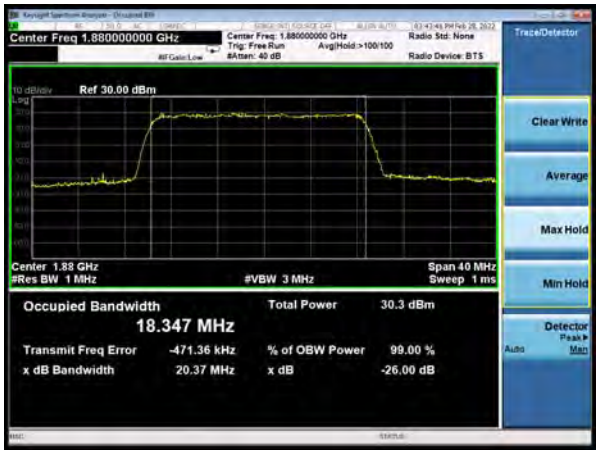
DC_12A_n2A QPSK 20MHz CH-High



DC_12A_n2A 16QAM 20MHz CH-Low

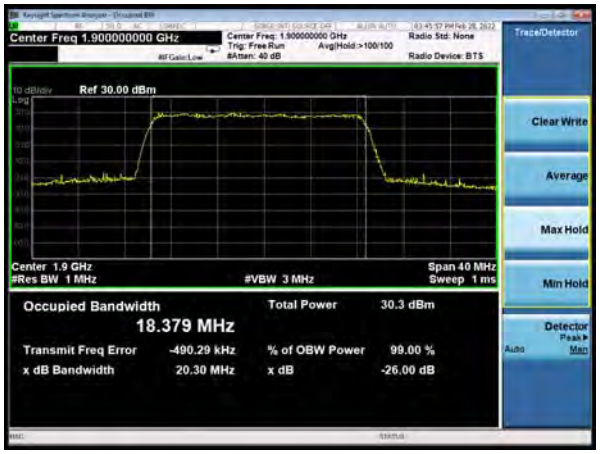
DC_12A_n2A 64QAM 20MHz CH-Low

DC_12A_n2A 16QAM 20MHz CH-Middle



DC_12A_n2A 64QAM 20MHz CH-Middle

DC_12A_n2A 16QAM 20MHz CH-High



DC_12A_n2A 64QAM 20MHz CH-High

DC_12A_n2A 256QAM 20MHz CH-Low

DC_12A_n2A 256QAM 20MHz CH-Middle

DC_12A_n2A 256QAM 20MHz CH-High

DC_66A_n25A P1/2 BPSK 20MHz CH-Low

DC_66A_n25A QPSK 20MHz CH-Low

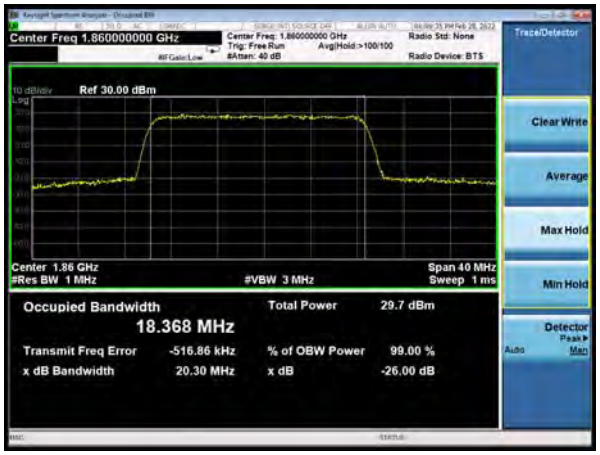
DC_66A_n25A P1/2 BPSK 20MHz CH-Middle

DC_66A_n25A QPSK 20MHz CH-Middle

DC_66A_n25A P1/2 BPSK 20MHz CH-High

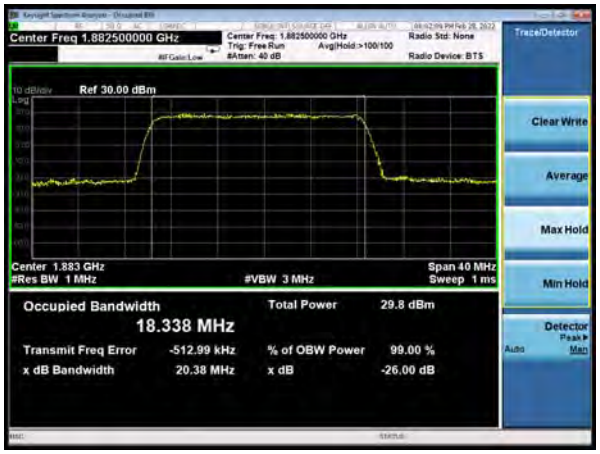
DC_66A_n25A QPSK 20MHz CH-High

DC_66A_n25A 16QAM 20MHz CH-Low



DC_66A_n25A 64QAM 20MHz CH-Low

DC_66A_n25A 16QAM 20MHz CH-Middle



DC_66A_n25A 64QAM 20MHz CH-Middle

DC_66A_n25A 16QAM 20MHz CH-High

DC_66A_n25A 64QAM 20MHz CH-High

DC_66A_n25A 256QAM 20MHz CH-Low

DC_66A_n25A 256QAM 20MHz CH-Middle

DC_66A_n25A 256QAM 20MHz CH-High

6.3. Band Edge Compliance

WCDMA Band II RMC CH-Low	WCDMA Band II RMC CH-High
	

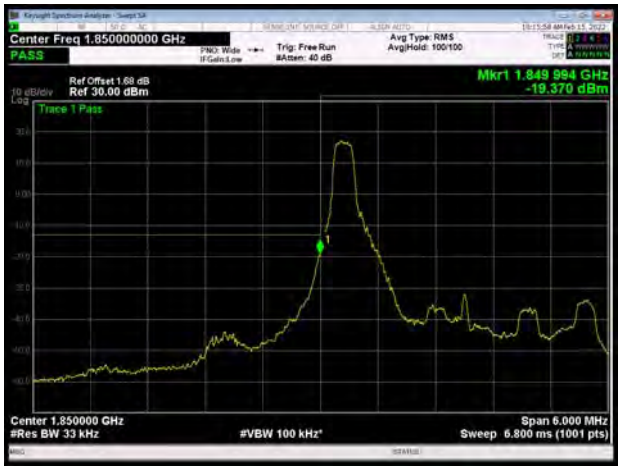
LTE Band 2 1.4MHz QPSK 1RB CH-Low

LTE Band 2 1.4MHz QPSK 1RB CH-High

LTE Band 2 1.4MHz QPSK 100%RB CH-Low

LTE Band 2 1.4MHz QPSK 100%RB CH-High

LTE Band 2 3MHz QPSK 1RB CH-Low



LTE Band 2 3MHz QPSK 1RB CH-High

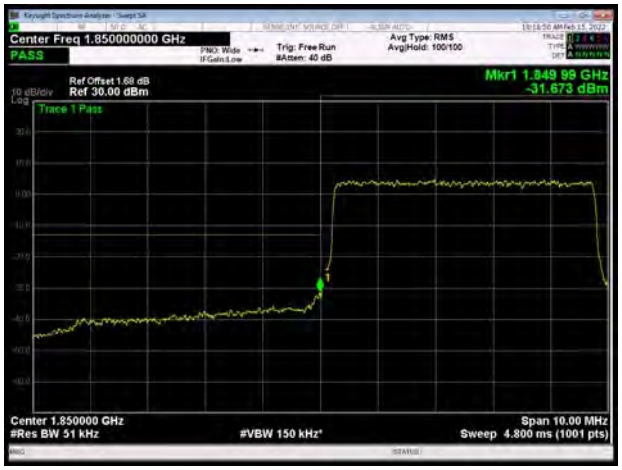
LTE Band 2 3MHz QPSK 100%RB CH-Low

LTE Band 2 3MHz QPSK 100%RB CH-High

LTE Band 2 5MHz QPSK 1RB CH-Low

LTE Band 2 5MHz QPSK 1RB CH-High

LTE Band 2 5MHz QPSK 100%RB CH-Low



LTE Band 2 5MHz QPSK 100%RB CH-High

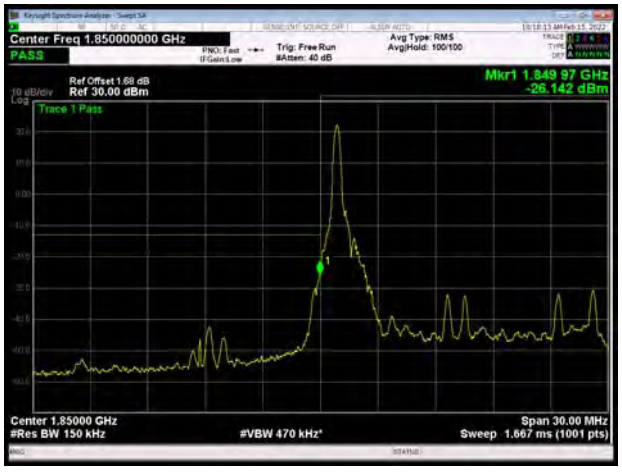
LTE Band 2 10MHz QPSK 1RB CH-Low

LTE Band 2 10MHz QPSK 1RB CH-High

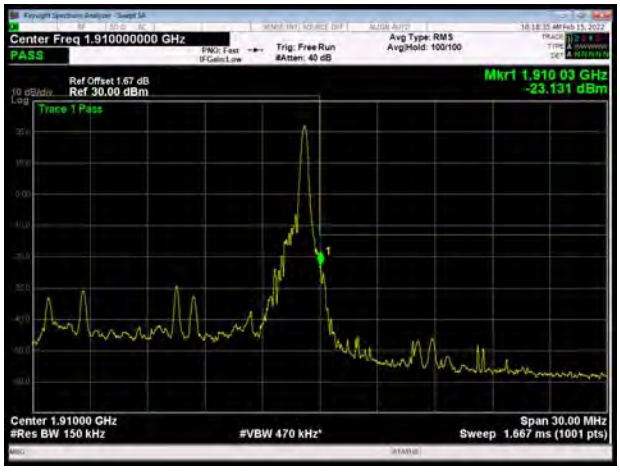
LTE Band 2 10MHz QPSK 100%RB CH-Low

LTE Band 2 10MHz QPSK 100%RB CH-High

LTE Band 2 15MHz QPSK 1RB CH-Low



LTE Band 2 15MHz QPSK 1RB CH-High



LTE Band 2 15MHz QPSK 100%RB CH-Low

LTE Band 2 15MHz QPSK 100%RB CH-High

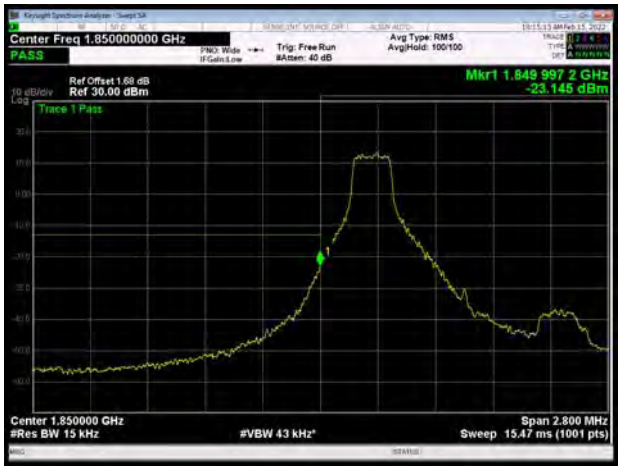
LTE Band 2 20MHz QPSK 1RB CH-Low

LTE Band 2 20MHz QPSK 1RB CH-High

LTE Band 2 20MHz QPSK 100%RB CH-Low

LTE Band 2 20MHz QPSK 100%RB CH-High

LTE Band 2 1.4MHz 16QAM 1RB CH-Low



LTE Band 2 1.4MHz 16QAM 1RB CH-High

LTE Band 2 1.4MHz 16QAM 100%RB CH-Low

LTE Band 2 1.4MHz 16QAM 100%RB CH-High

LTE Band 2 3MHz 16QAM 1RB CH-Low

LTE Band 2 3MHz 16QAM 1RB CH-High

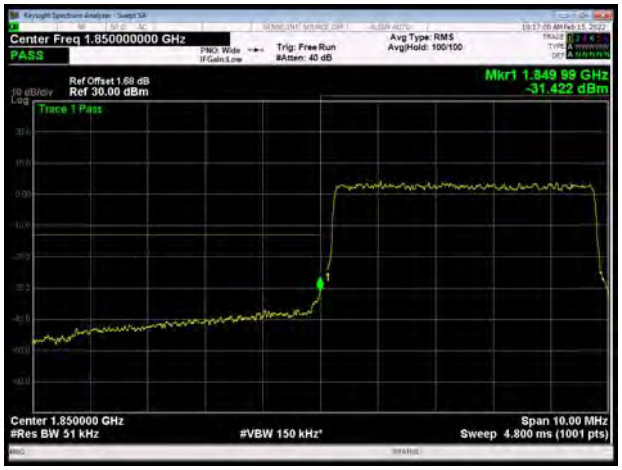
LTE Band 2 3MHz 16QAM 100%RB CH-Low

LTE Band 2 3MHz 16QAM 100%RB CH-High

LTE Band 2 5MHz 16QAM 1RB CH-Low

LTE Band 2 5MHz 16QAM 1RB CH-High

LTE Band 2 5MHz 16QAM 100%RB CH-Low



LTE Band 2 5MHz 16QAM 100%RB CH-High

LTE Band 2 10MHz 16QAM 1RB CH-Low

LTE Band 2 10MHz 16QAM 1RB CH-High

LTE Band 2 10MHz 16QAM 100%RB CH-Low

LTE Band 2 10MHz 16QAM 100%RB CH-High

LTE Band 2 15MHz 16QAM 1RB CH-Low

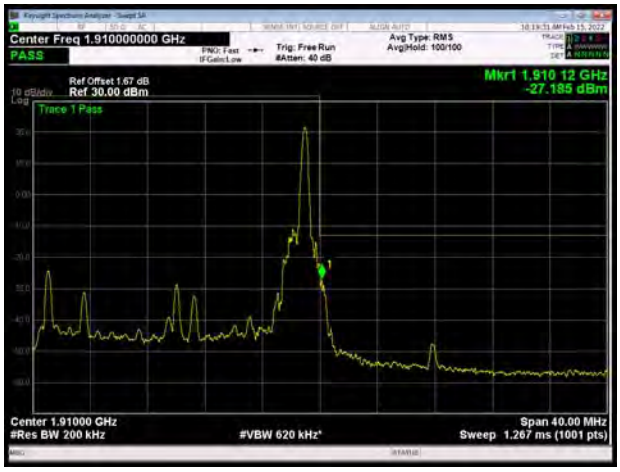
LTE Band 2 15MHz 16QAM 1RB CH-High

LTE Band 2 15MHz 16QAM 100%RB CH-Low

LTE Band 2 15MHz 16QAM 100%RB CH-High

LTE Band 2 20MHz 16QAM 1RB CH-Low

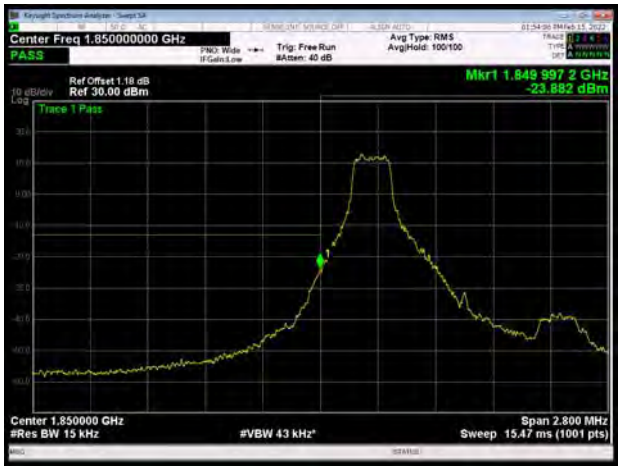
LTE Band 2 20MHz 16QAM 1RB CH-High



LTE Band 2 20MHz 16QAM 100%RB CH-Low

LTE Band 2 20MHz 16QAM 100%RB CH-High

LTE Band 2 1.4MHz 64QAM 1RB CH-Low



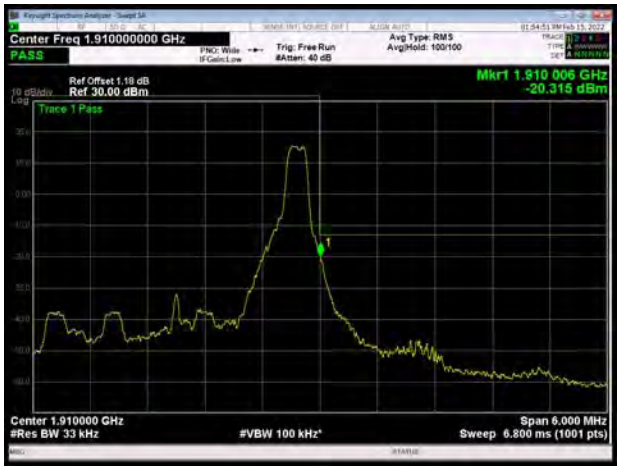
LTE Band 2 1.4MHz 64QAM 1RB CH-High

LTE Band 2 1.4MHz 64QAM 100%RB CH-Low

LTE Band 2 1.4MHz 64QAM 100%RB CH-High

LTE Band 2 3MHz 64QAM 1RB CH-Low

LTE Band 2 3MHz 64QAM 1RB CH-High



LTE Band 2 3MHz 64QAM 100%RB CH-Low

LTE Band 2 3MHz 64QAM 100%RB CH-High

LTE Band 2 5MHz 64QAM 1RB CH-Low

LTE Band 2 5MHz 64QAM 1RB CH-High

LTE Band 2 5MHz 64QAM 100%RB CH-Low

LTE Band 2 5MHz 64QAM 100%RB CH-High

LTE Band 2 10MHz 64QAM 1RB CH-Low

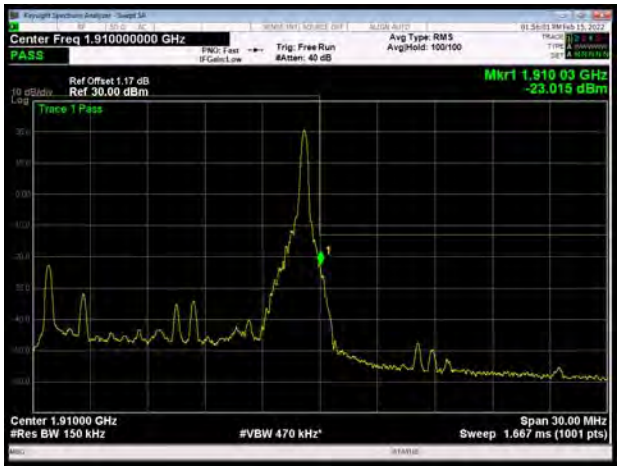
LTE Band 2 10MHz 64QAM 1RB CH-High

LTE Band 2 10MHz 64QAM 100%RB CH-Low

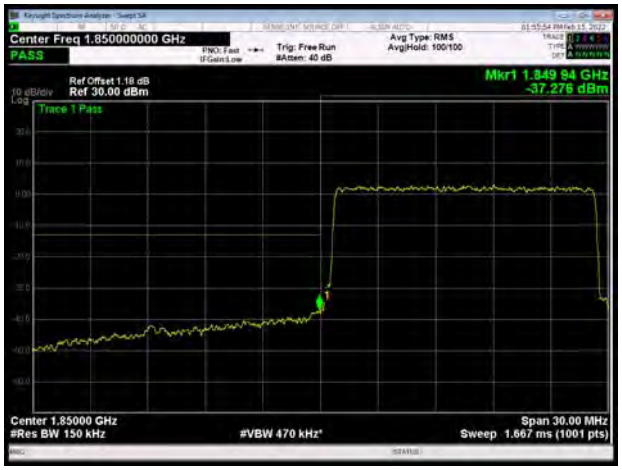
LTE Band 2 10MHz 64QAM 100%RB CH-High

LTE Band 2 15MHz 64QAM 1RB CH-Low

LTE Band 2 15MHz 64QAM 1RB CH-High



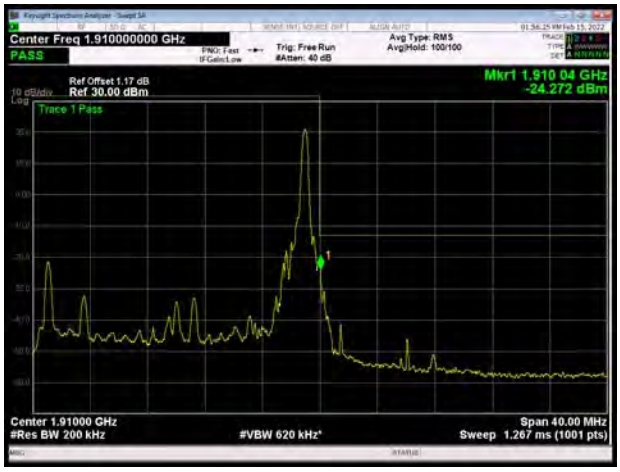
LTE Band 2 15MHz 64QAM 100%RB CH-Low



LTE Band 2 15MHz 64QAM 100%RB CH-High

LTE Band 2 20MHz 64QAM 1RB CH-Low

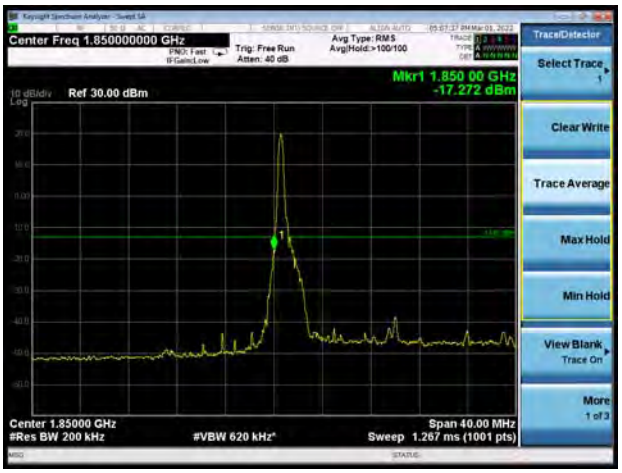
LTE Band 2 20MHz 64QAM 1RB CH-High



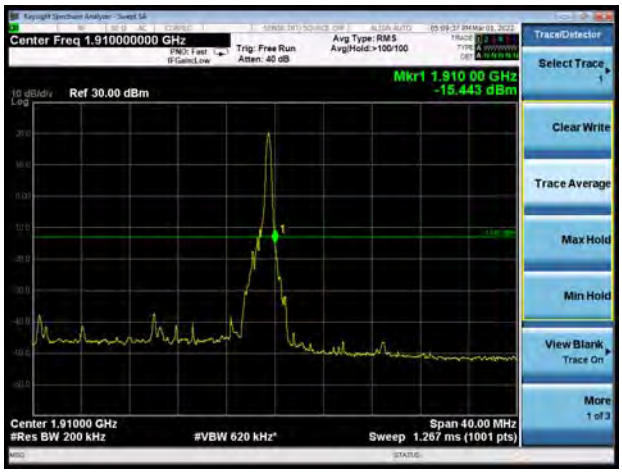
LTE Band 2 20MHz 64QAM 100%RB CH-Low

LTE Band 2 20MHz 64QAM 100%RB CH-High

NR n2 P1/2 BPSK 20MHz CH-Low 1RB



NR n2 P1/2 BPSK 20MHz CH-High 1RB

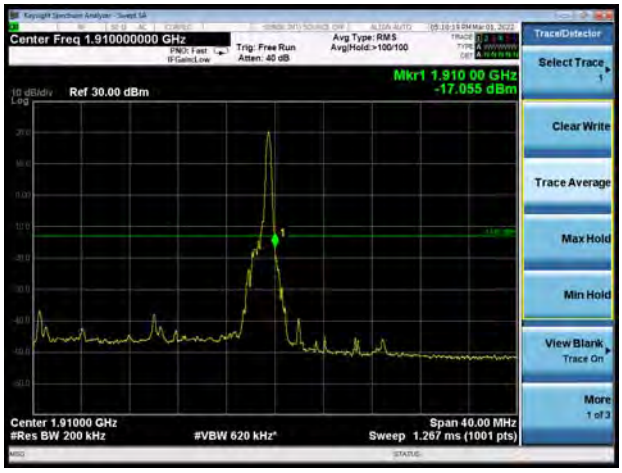


NR n2 P1/2 BPSK 20MHz CH-Low 100%RB

NR n2 P1/2 BPSK 20MHz CH-High 100%RB

NR n2 QPSK 20MHz CH-Low 1RB

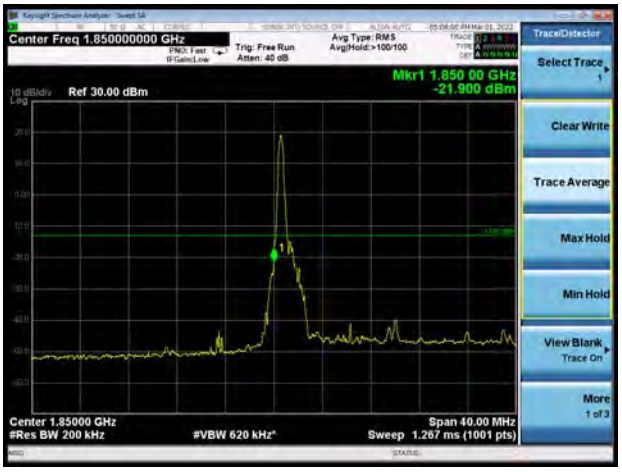
NR n2 QPSK 20MHz CH-High 1RB



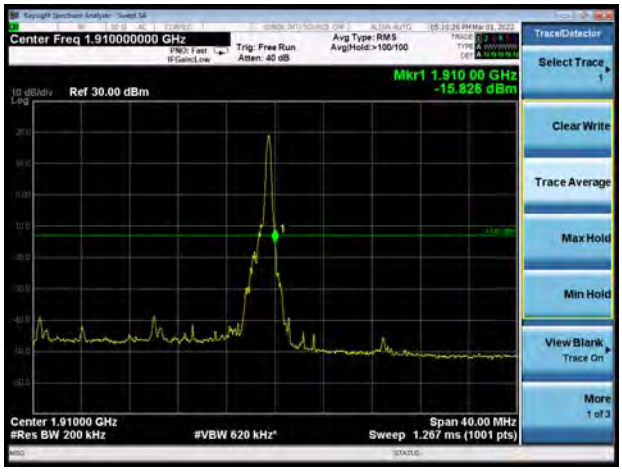
NR n2 QPSK 20MHz CH-Low 100%RB

NR n2 QPSK 20MHz CH-High 100%RB

NR n2 16QAM 20MHz CH-Low 1RB



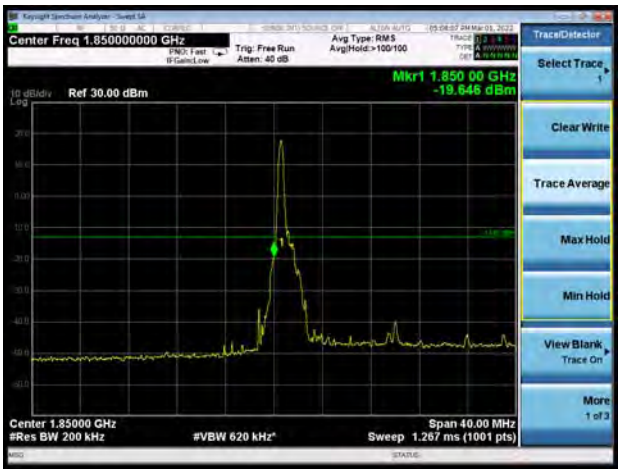
NR n2 16QAM 20MHz CH-High 1RB



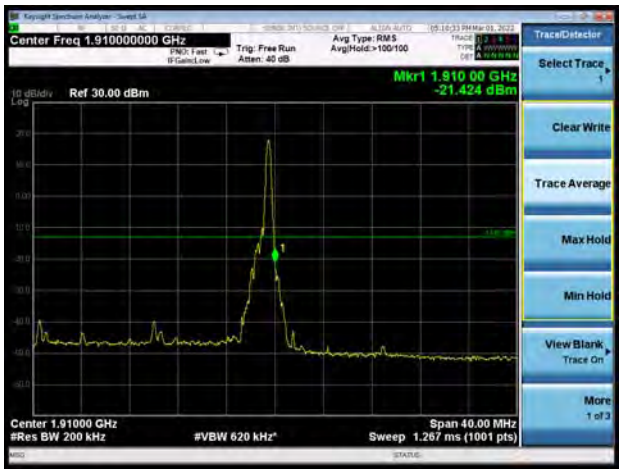
NR n2 16QAM 20MHz CH-Low 100%RB

NR n2 16QAM 20MHz CH-High 100%RB

NR n2 64QAM 20MHz CH-Low 1RB



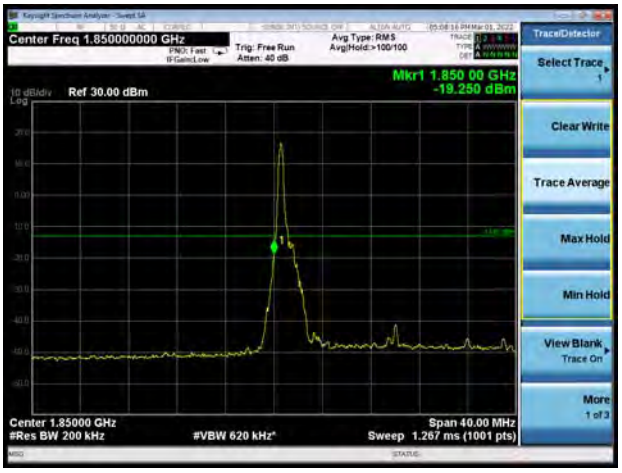
NR n2 64QAM 20MHz CH-High 1RB



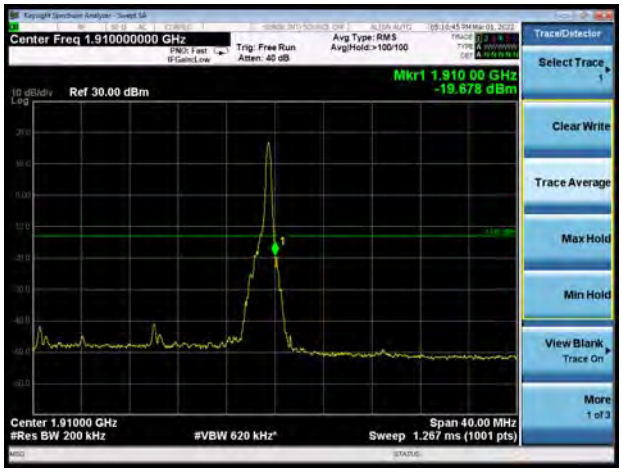
NR n2 64QAM 20MHz CH-Low 100%RB

NR n2 64QAM 20MHz CH-High 100%RB

NR n2 256QAM 20MHz CH-Low 1RB

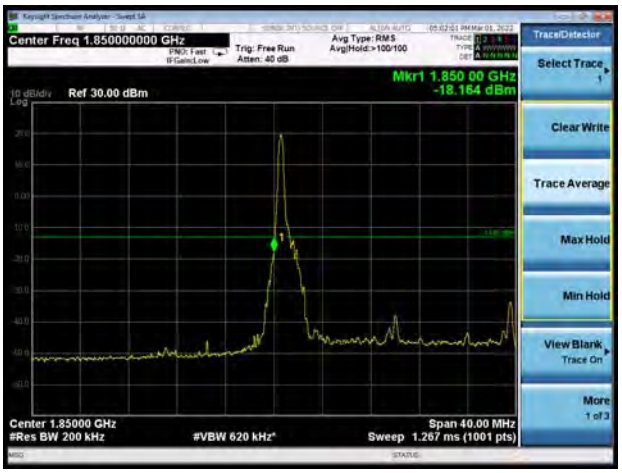


NR n2 256QAM 20MHz CH-High 1RB

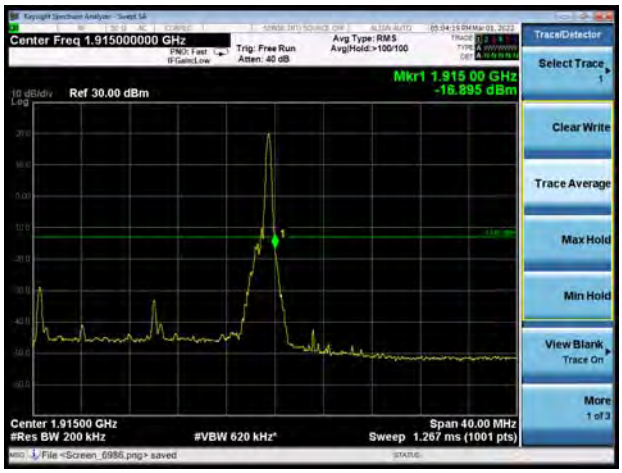


NR n2 256QAM 20MHz CH-Low 100%RB	NR n2 256QAM 20MHz CH-High 100%RB
	

NR n25 P1/2 BPSK 20MHz CH-Low 1RB



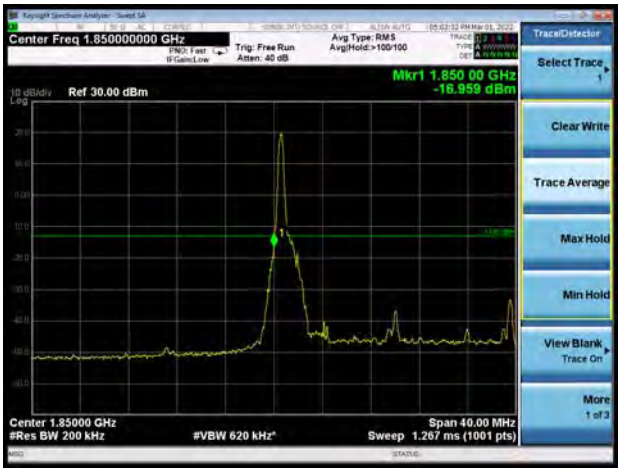
NR n25 P1/2 BPSK 20MHz CH-High 1RB



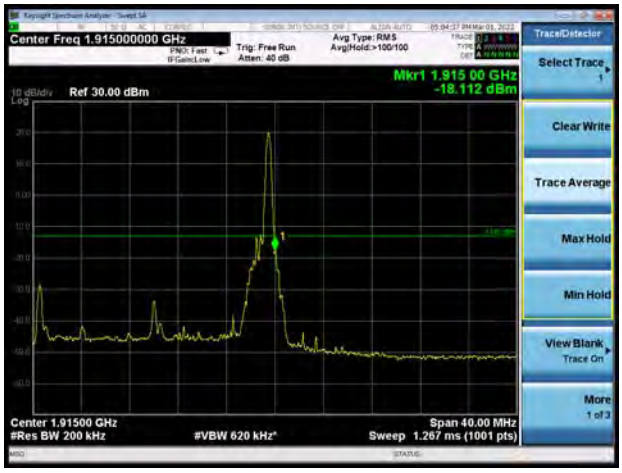
NR n25 P1/2 BPSK 20MHz CH-Low 100%RB

NR n25 P1/2 BPSK 20MHz CH-High 100%RB

NR n25 QPSK 20MHz CH-Low 1RB



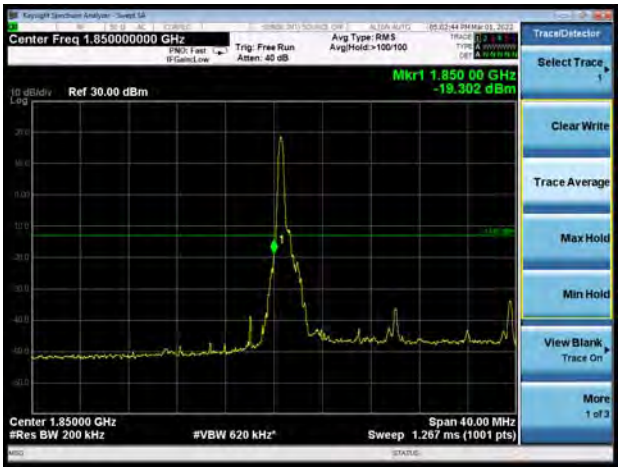
NR n25 QPSK 20MHz CH-High 1RB



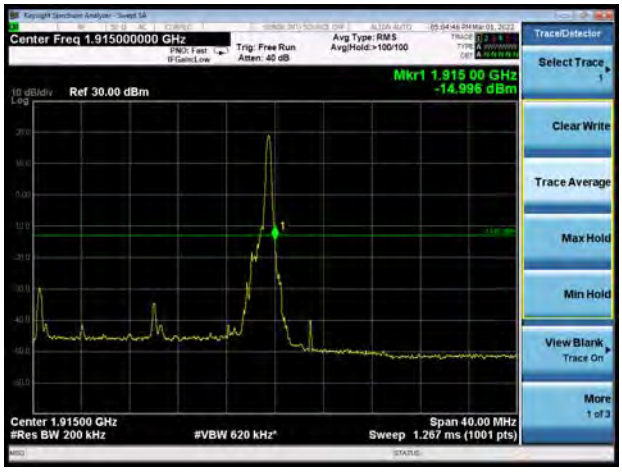
NR n25 QPSK 20MHz CH-Low 100%RB

NR n25 QPSK 20MHz CH-High 100%RB

NR n25 16QAM 20MHz CH-Low 1RB



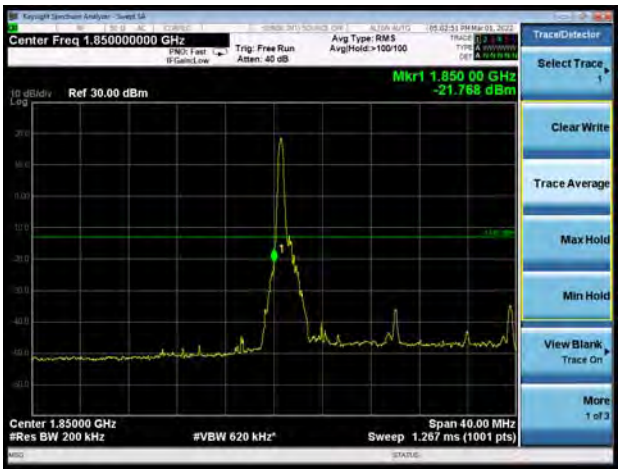
NR n25 16QAM 20MHz CH-High 1RB



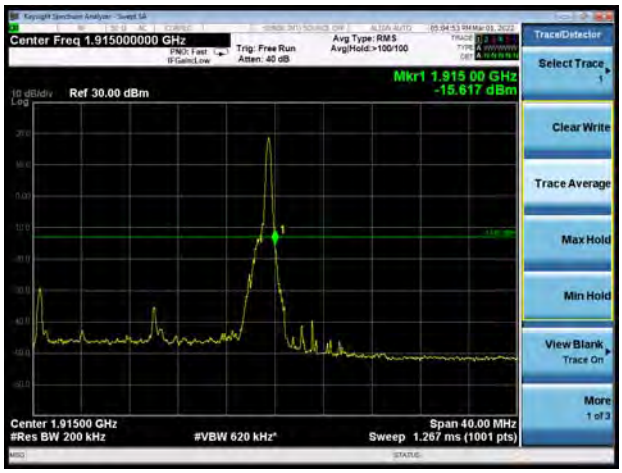
NR n25 16QAM 20MHz CH-Low 100%RB

NR n25 16QAM 20MHz CH-High 100%RB

NR n25 64QAM 20MHz CH-Low 1RB



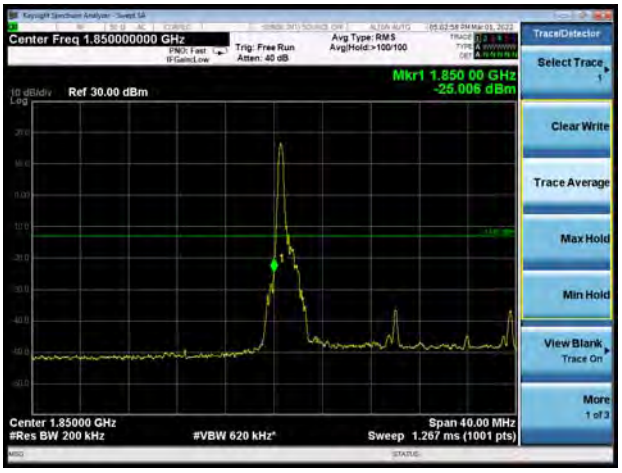
NR n25 64QAM 20MHz CH-High 1RB



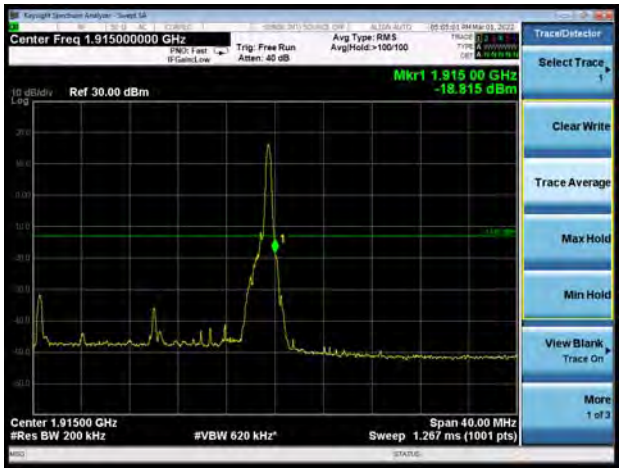
NR n25 64QAM 20MHz CH-Low 100%RB

NR n25 64QAM 20MHz CH-High 100%RB

NR n25 256QAM 20MHz CH-Low 1RB

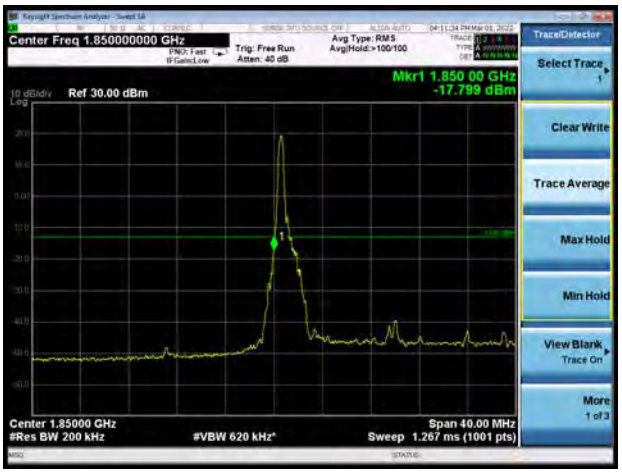


NR n25 256QAM 20MHz CH-High 1RB

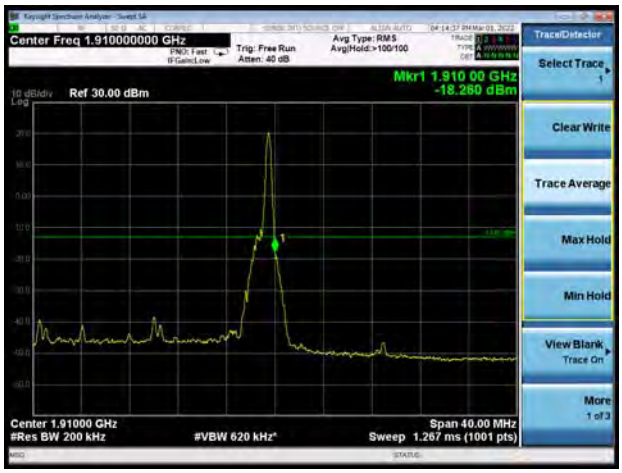


NR n25 256QAM 20MHz CH-Low 100%RB	NR n25 256QAM 20MHz CH-High 100%RB
	

DC_12A_n2A P1/2 BPSK 20MHz CH-Low 1RB



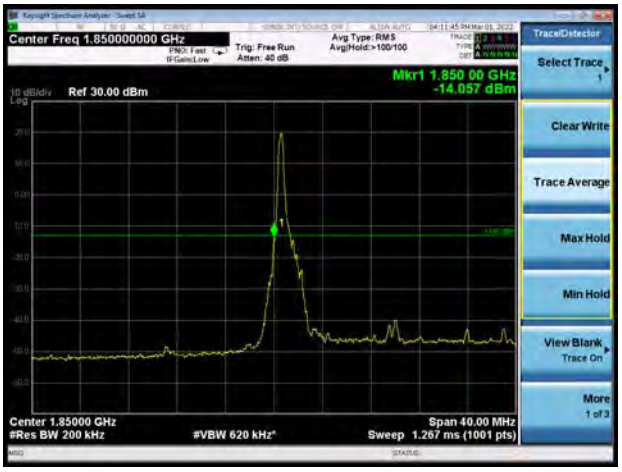
DC_12A_n2A P1/2 BPSK 20MHz CH-High 1RB



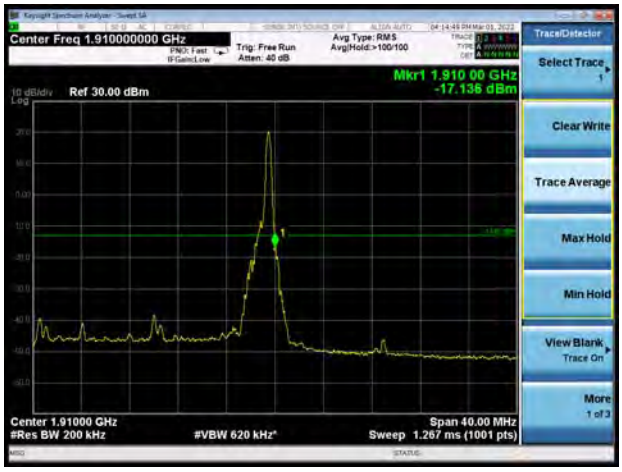
DC_12A_n2A P1/2 BPSK 20MHz CH-Low 100%RB

DC_12A_n2A P1/2 BPSK 20MHz CH-High 100%RB

DC_12A_n2A QPSK 20MHz CH-Low 1RB



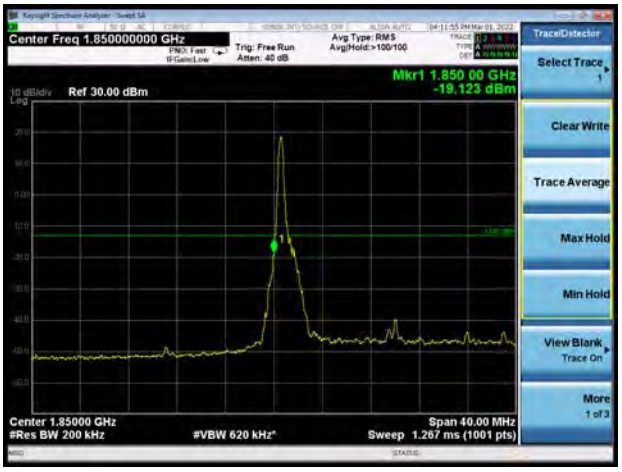
DC_12A_n2A QPSK 20MHz CH-High 1RB



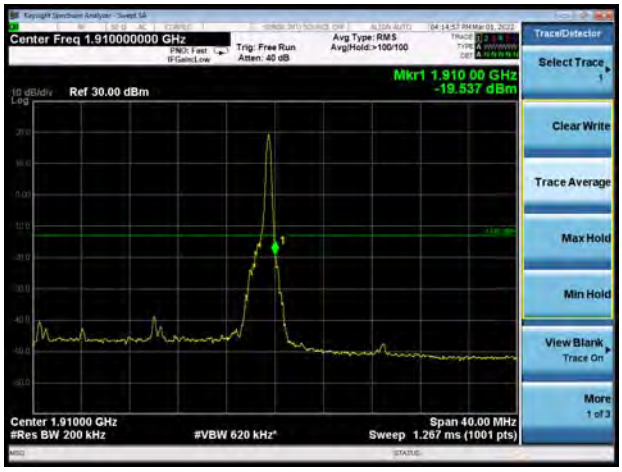
DC_12A_n2A QPSK 20MHz CH-Low 100%RB

DC_12A_n2A QPSK 20MHz CH-High 100%RB

DC_12A_n2A 16QAM 20MHz CH-Low 1RB



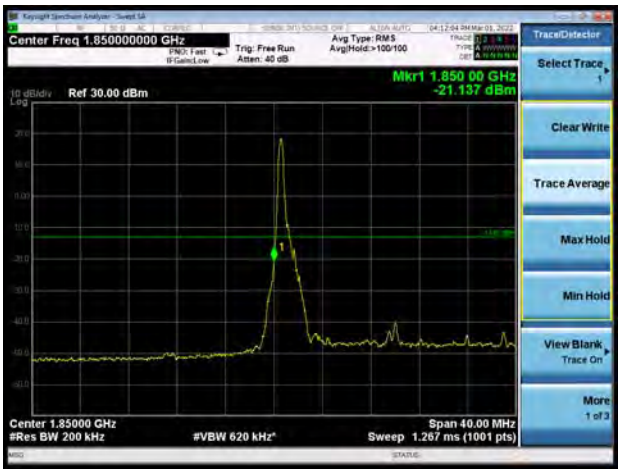
DC_12A_n2A 16QAM 20MHz CH-High 1RB



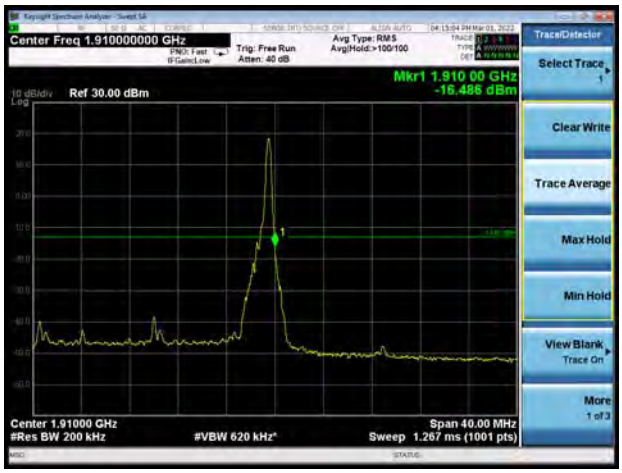
DC_12A_n2A 16QAM 20MHz CH-Low 100%RB

DC_12A_n2A 16QAM 20MHz CH-High 100%RB

DC_12A_n2A 64QAM 20MHz CH-Low 1RB



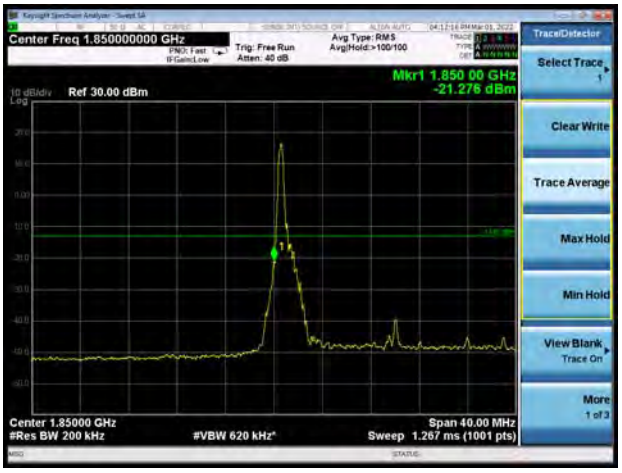
DC_12A_n2A 64QAM 20MHz CH-High 1RB



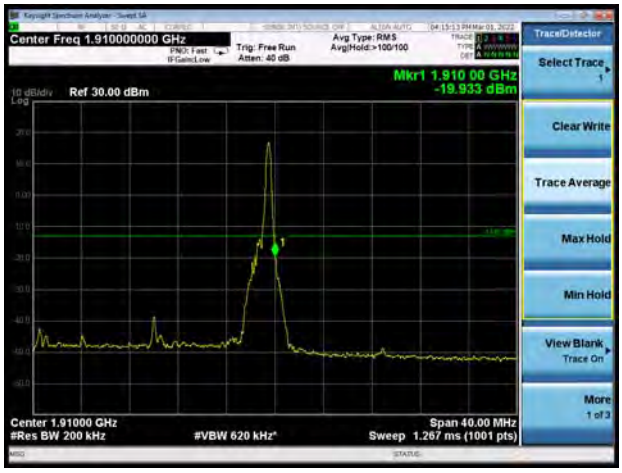
DC_12A_n2A 64QAM 20MHz CH-Low 100%RB

DC_12A_n2A 64QAM 20MHz CH-High 100%RB

DC_12A_n2A 256QAM 20MHz CH-Low 1RB

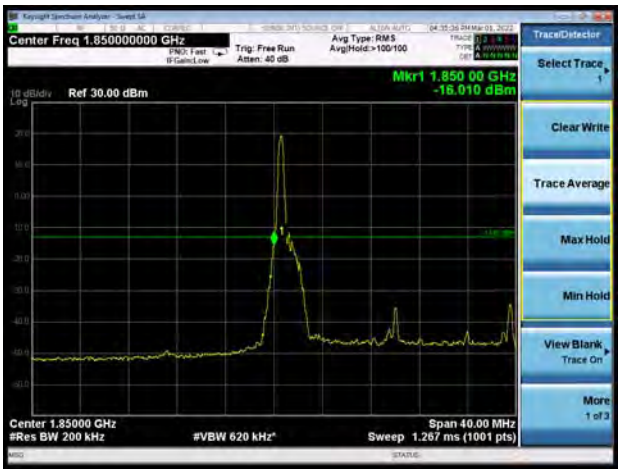


DC_12A_n2A 256QAM 20MHz CH-High 1RB

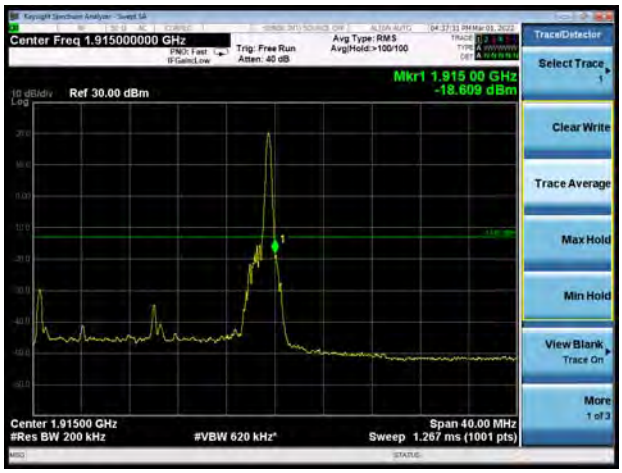


DC_12A_n2A 256QAM 20MHz CH-Low 100%RB	DC_12A_n2A 256QAM 20MHz CH-High 100%RB
	

DC_66A_n25A P1/2 BPSK 20MHz CH-Low 1RB



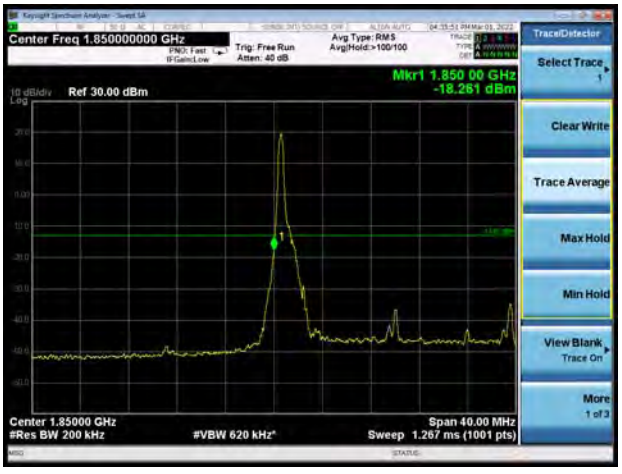
DC_66A_n25A P1/2 BPSK 20MHz CH-High 1RB



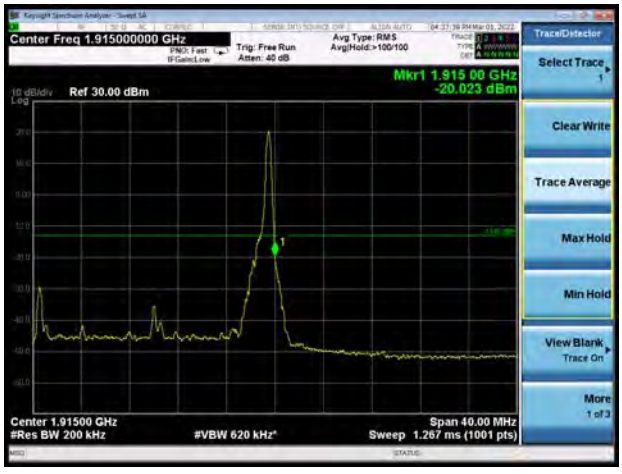
DC_66A_n25A P1/2 BPSK 20MHz CH-Low 100%RB

DC_66A_n25A P1/2 BPSK 20MHz CH-High 100%RB

DC_66A_n25A QPSK 20MHz CH-Low 1RB



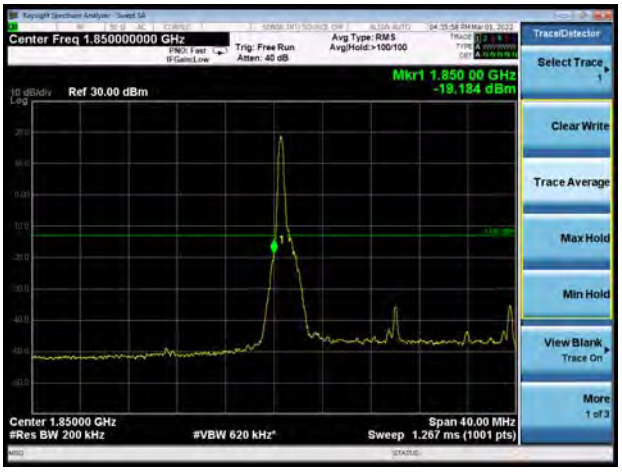
DC_66A_n25A QPSK 20MHz CH-High 1RB



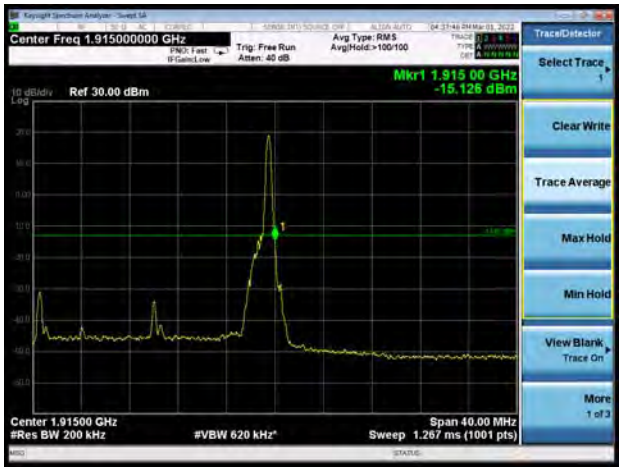
DC_66A_n25A QPSK 20MHz CH-Low 100%RB

DC_66A_n25A QPSK 20MHz CH-High 100%RB

DC_66A_n25A 16QAM 20MHz CH-Low 1RB



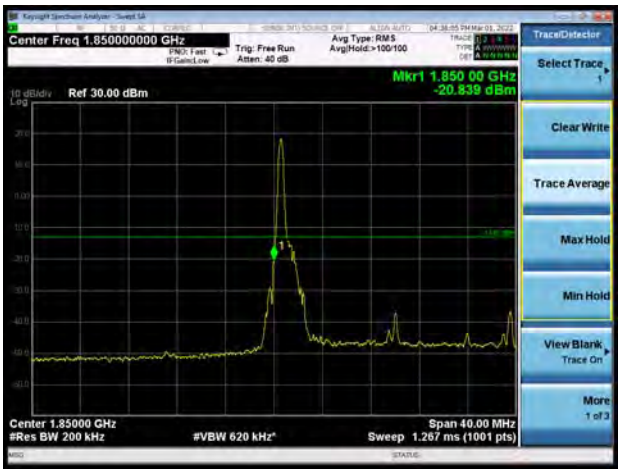
DC_66A_n25A 16QAM 20MHz CH-High 1RB



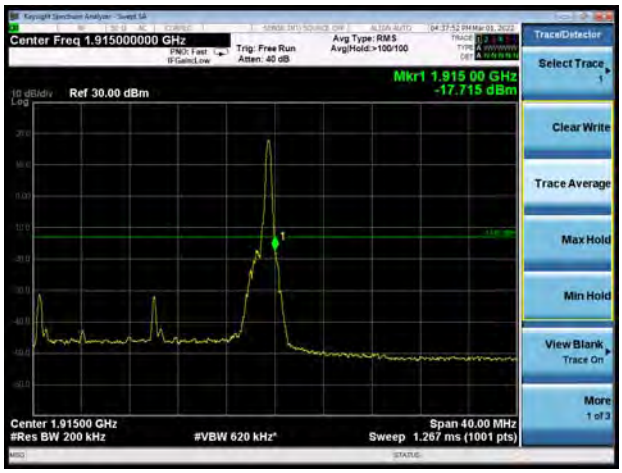
DC_66A_n25A 16QAM 20MHz CH-Low 100%RB

DC_66A_n25A 16QAM 20MHz CH-High 100%RB

DC_66A_n25A 64QAM 20MHz CH-Low 1RB



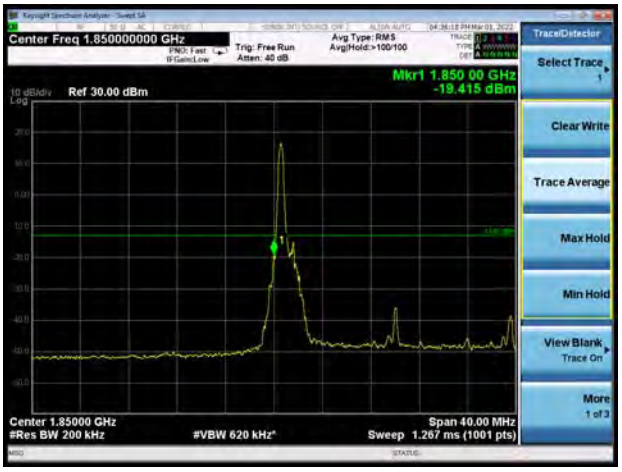
DC_66A_n25A 64QAM 20MHz CH-High 1RB



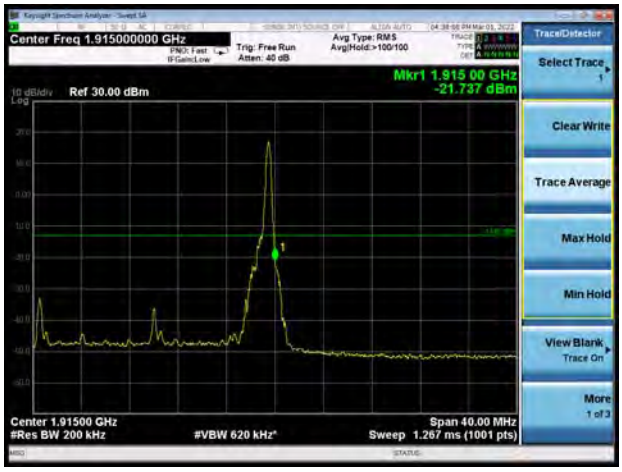
DC_66A_n25A 64QAM 20MHz CH-Low 100%RB

DC_66A_n25A 64QAM 20MHz CH-High 100%RB

DC_66A_n25A 256QAM 20MHz CH-Low 1RB



DC_66A_n25A 256QAM 20MHz CH-High 1RB



DC_66A_n25A 256QAM 20MHz CH-Low 100%RB	DC_66A_n25A 256QAM 20MHz CH-High 100%RB
	

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

Mode	Channel	Frequency (MHz)	Peak(dBm)	Avg(dBm)	PAPR(dB)	Limit(dB)	Conclusion
WCDMA Band II (RMC)	9262	1852.4	26.47	23.44	3.03	≤13	PASS
	9400	1880	26.88	23.76	3.12	≤13	PASS
	9538	1907.6	26.14	23.07	3.07	≤13	PASS

LTE Band 2								
Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
QPSK	1.4	18607	1850.7	27.57	22.65	4.92	≤13	PASS
		18900	1880.0	27.66	22.58	5.08	≤13	PASS
		19193	1909.3	27.31	22.51	4.80	≤13	PASS
	3	18615	1851.5	27.58	22.65	4.93	≤13	PASS
		18900	1880	27.67	22.54	5.13	≤13	PASS
		19185	1908.5	27.37	22.50	4.87	≤13	PASS
	5	18625	1852.5	27.66	22.66	5.00	≤13	PASS
		18900	1880	27.73	22.62	5.11	≤13	PASS
		19175	1907.5	27.55	22.51	5.04	≤13	PASS
	10	18650	1855	27.75	22.69	5.06	≤13	PASS
		18900	1880	27.67	22.58	5.09	≤13	PASS
		19150	1905	27.73	22.54	5.19	≤13	PASS
	15	18675	1857.5	28.08	22.64	5.44	≤13	PASS
		18900	1880	28.03	22.55	5.48	≤13	PASS
		19125	1902.5	28.15	22.54	5.61	≤13	PASS
	20	18700	1860	27.94	22.68	5.26	≤13	PASS
		18900	1880	27.85	22.54	5.31	≤13	PASS
		19100	1900	27.92	22.51	5.41	≤13	PASS
16QAM	1.4	18607	1850.7	27.39	21.67	5.72	≤13	PASS
		18900	1880.0	27.43	21.58	5.85	≤13	PASS
		19193	1909.3	27.25	21.53	5.72	≤13	PASS
	3	18615	1851.5	27.45	21.66	5.79	≤13	PASS
		18900	1880	27.56	21.56	6.00	≤13	PASS
		19185	1908.5	27.29	21.51	5.78	≤13	PASS
	5	18625	1852.5	27.44	21.66	5.78	≤13	PASS
		18900	1880	27.54	21.61	5.93	≤13	PASS
		19175	1907.5	27.40	21.56	5.84	≤13	PASS
	10	18650	1855	27.56	21.65	5.91	≤13	PASS
		18900	1880	27.51	21.57	5.94	≤13	PASS
		19150	1905	27.51	21.53	5.98	≤13	PASS

	15	18675	1857.5	27.69	21.63	6.06	≤13	PASS
		18900	1880	27.63	21.57	6.06	≤13	PASS
		19125	1902.5	27.73	21.51	6.22	≤13	PASS
	20	18700	1860	27.69	21.65	6.04	≤13	PASS
		18900	1880	27.64	21.57	6.07	≤13	PASS
		19100	1900	27.70	21.48	6.22	≤13	PASS
64QAM	1.4	18607	1850.7	27.00	21.03	5.97	≤13	PASS
		18900	1880.0	27.10	21.02	6.08	≤13	PASS
		19193	1909.3	27.09	21.02	6.07	≤13	PASS
	3	18615	1851.5	27.19	21.08	6.11	≤13	PASS
		18900	1880	27.17	20.99	6.18	≤13	PASS
		19185	1908.5	27.04	20.96	6.08	≤13	PASS
	5	18625	1852.5	27.13	21.07	6.06	≤13	PASS
		18900	1880	27.19	21.08	6.11	≤13	PASS
		19175	1907.5	27.05	20.97	6.08	≤13	PASS
	10	18650	1855	27.13	21.05	6.08	≤13	PASS
		18900	1880	27.21	21.03	6.18	≤13	PASS
		19150	1905	27.19	20.98	6.21	≤13	PASS
	15	18675	1857.5	27.29	21.05	6.24	≤13	PASS
		18900	1880	27.26	20.98	6.28	≤13	PASS
		19125	1902.5	27.30	20.92	6.38	≤13	PASS
	20	18700	1860	27.24	21.07	6.17	≤13	PASS
		18900	1880	27.29	20.99	6.30	≤13	PASS
		19100	1900	27.28	20.89	6.39	≤13	PASS

NR n2								
Bandwidth (MHz)	**Modulation**	**Channel**	**Frequency (MHz)**	**Peak (dBm)**	**Avg (dBm)**	**PAPR (dB)**	**Limit (dB)**	**Conclusion**
20	P1/2 BPSK	372000	1860	27.80	21.96	5.84	≤13	PASS
		376000	1880	28.04	22.26	5.78	≤13	PASS
		380000	1900	28.13	22.31	5.82	≤13	PASS
	QPSK	372000	1860	27.80	21.97	5.83	≤13	PASS
		376000	1880	28.05	22.27	5.78	≤13	PASS
		380000	1900	28.13	22.30	5.83	≤13	PASS
	16QAM	372000	1860	27.54	20.95	6.59	≤13	PASS
		376000	1880	27.79	21.25	6.54	≤13	PASS
		380000	1900	27.87	21.27	6.60	≤13	PASS
	64QAM	372000	1860	27.16	20.40	6.76	≤13	PASS
		376000	1880	27.37	20.65	6.72	≤13	PASS
		380000	1900	27.53	20.77	6.76	≤13	PASS
	256QAM	372000	1860	25.35	18.58	6.77	≤13	PASS
		376000	1880	25.58	18.82	6.76	≤13	PASS

		380000	1900	25.73	18.93	6.80	≤13	PASS

NR n25								
Bandwidth (MHz)	**Modulation**	**Channel**	**Frequency (MHz)**	**Peak (dBm)**	**Avg (dBm)**	**PAPR (dB)**	**Limit (dB)**	**Conclusion**
20	P1/2 BPSK	372000	1860	27.84	21.74	6.10	≤13	PASS
		376500	1882.5	28.06	22.07	5.99	≤13	PASS
		381000	1905	28.05	22.12	5.93	≤13	PASS
	QPSK	372000	1860	27.86	21.87	5.99	≤13	PASS
		376500	1882.5	28.09	22.14	5.95	≤13	PASS
		381000	1905	28.00	22.01	5.99	≤13	PASS
	16QAM	372000	1860	27.54	20.80	6.74	≤13	PASS
		376500	1882.5	27.77	20.95	6.82	≤13	PASS
		381000	1905	27.66	20.96	6.70	≤13	PASS
	64QAM	372000	1860	27.32	20.35	6.97	≤13	PASS
		376500	1882.5	27.51	20.53	6.98	≤13	PASS
		381000	1905	27.42	20.54	6.88	≤13	PASS
	256QAM	372000	1860	25.50	18.08	7.42	≤13	PASS
		376500	1882.5	25.84	18.73	7.11	≤13	PASS
		381000	1905	25.77	18.69	7.08	≤13	PASS

DC_12A_n2A								
Bandwidth (MHz)	**Modulation**	**Channel**	**Frequency (MHz)**	**Peak (dBm)**	**Avg (dBm)**	**PAPR (dB)**	**Limit (dB)**	**Conclusion**
20	P1/2 BPSK	372000	1860	27.85	22.03	5.82	≤13	PASS
		376000	1880	28.05	22.27	5.78	≤13	PASS
		380000	1900	28.15	22.32	5.83	≤13	PASS
	QPSK	372000	1860	27.85	22.02	5.83	≤13	PASS
		376000	1880	28.06	22.28	5.78	≤13	PASS
		380000	1900	28.14	22.32	5.82	≤13	PASS
	16QAM	372000	1860	27.56	20.96	6.60	≤13	PASS
		376000	1880	27.79	21.24	6.55	≤13	PASS
		380000	1900	27.87	21.28	6.59	≤13	PASS
	64QAM	372000	1860	27.24	20.48	6.76	≤13	PASS
		376000	1880	27.45	20.73	6.72	≤13	PASS
		380000	1900	27.55	20.79	6.76	≤13	PASS
	256QAM	372000	1860	25.43	18.66	6.77	≤13	PASS
		376000	1880	25.65	18.89	6.76	≤13	PASS
		380000	1900	25.70	18.90	6.80	≤13	PASS

DC_66A_n25A								
Bandwidth (MHz)	Modulation	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
20	P1/2 BPSK	372000	1860	27.74	21.90	5.84	≤13	PASS
		376500	1882.5	28.03	22.24	5.79	≤13	PASS
		381000	1905	27.99	22.22	5.77	≤13	PASS
	QPSK	372000	1860	27.79	21.95	5.84	≤13	PASS
		376500	1882.5	27.99	22.18	5.81	≤13	PASS
		381000	1905	27.99	22.21	5.78	≤13	PASS
	16QAM	372000	1860	27.44	20.93	6.51	≤13	PASS
		376500	1882.5	27.64	21.17	6.47	≤13	PASS
		381000	1905	27.66	21.19	6.47	≤13	PASS
	64QAM	372000	1860	27.39	20.46	6.93	≤13	PASS
		376500	1882.5	27.58	20.68	6.90	≤13	PASS
		381000	1905	27.57	20.68	6.89	≤13	PASS
	256QAM	372000	1860	25.38	18.54	6.84	≤13	PASS
		376500	1882.5	25.65	18.81	6.84	≤13	PASS
		381000	1905	25.70	18.81	6.89	≤13	PASS

6.5. Frequency Stability

WCDMA Band 2						
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
Temperature	Voltage	BPSK	QPSK	BPSK	QPSK	
Normal (25℃)	Normal	9.29	8.09	0.00494	0.00430	PASS
Extreme (60℃)		14.58	17.27	0.00776	0.00919	PASS
Extreme (50℃)		7.34	6.19	0.00391	0.00329	PASS
Extreme (40℃)		16.44	8.00	0.00875	0.00426	PASS
Extreme (30℃)		7.56	7.68	0.00402	0.00408	PASS
Extreme (20℃)		15.35	14.24	0.00817	0.00757	PASS
Extreme (10℃)		4.90	12.28	0.00261	0.00653	PASS
Extreme (0℃)		5.74	3.89	0.00305	0.00207	PASS
Extreme (-10℃)		2.84	4.53	0.00151	0.00241	PASS
Extreme (-20℃)		3.31	14.56	0.00176	0.00774	PASS
Extreme (-30℃)		12.69	12.89	0.00675	0.00685	PASS
25℃	LV	3.39	16.68	0.00180	0.00887	PASS
	HV	16.70	9.93	0.00888	0.00528	PASS

LTE Band 2								
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	1.4MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25℃)	Normal	9.34	15.74	9.94	0.00497	0.00837	0.00529	PASS
Extreme (60℃)		12.69	13.90	1.43	0.00675	0.00739	0.00076	PASS
Extreme (50℃)		4.44	10.58	10.08	0.00236	0.00563	0.00536	PASS
Extreme (40℃)		12.16	3.72	11.26	0.00647	0.00198	0.00599	PASS
Extreme (30℃)		2.82	15.59	13.82	0.00150	0.00829	0.00735	PASS
Extreme (20℃)		13.28	2.30	16.49	0.00707	0.00122	0.00877	PASS
Extreme (10℃)		10.18	10.80	10.94	0.00542	0.00575	0.00582	PASS
Extreme (0℃)		17.57	1.76	17.76	0.00934	0.00094	0.00945	PASS
Extreme (-10℃)		1.68	12.30	6.53	0.00089	0.00654	0.00348	PASS
Extreme (-20℃)		9.12	12.85	16.81	0.00485	0.00684	0.00894	PASS
Extreme (-30℃)		11.63	14.45	2.60	0.00618	0.00768	0.00138	PASS
25℃	LV	10.01	16.86	15.19	0.00533	0.00897	0.00808	PASS
	HV	3.95	17.67	16.84	0.00210	0.00940	0.00896	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability	Frequency Stability	Frequency Stability	Verdict

BANDWIDTH	3MHz				(ppm)	(ppm)	(ppm)	
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25℃)	Normal	12.65	13.05	2.86	0.00673	0.00694	0.00152	PASS
Extreme (60℃)		10.39	17.16	6.60	0.00553	0.00913	0.00351	PASS
Extreme (50℃)		3.81	14.76	2.56	0.00203	0.00785	0.00136	PASS
Extreme (40℃)		15.88	10.93	14.36	0.00844	0.00581	0.00764	PASS
Extreme (30℃)		11.60	1.13	2.72	0.00617	0.00060	0.00145	PASS
Extreme (20℃)		10.45	17.04	13.46	0.00556	0.00906	0.00716	PASS
Extreme (10℃)		7.45	6.15	11.84	0.00396	0.00327	0.00630	PASS
Extreme (0℃)		17.34	4.30	9.59	0.00922	0.00229	0.00510	PASS
Extreme (-10℃)		10.78	4.29	10.40	0.00573	0.00228	0.00553	PASS
Extreme (-20℃)		14.94	3.49	4.32	0.00795	0.00186	0.00230	PASS
Extreme (-30℃)		4.06	12.66	8.42	0.00216	0.00674	0.00448	PASS
25℃	LV	10.24	14.09	15.64	0.00545	0.00749	0.00832	PASS
	HV	8.60	16.82	4.67	0.00457	0.00895	0.00248	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	5MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25℃)	Normal	13.85	16.36	1.20	0.00737	0.00870	0.00064	PASS
Extreme (60℃)		6.55	3.38	10.58	0.00349	0.00180	0.00563	PASS
Extreme (50℃)		4.32	9.43	6.97	0.00230	0.00501	0.00371	PASS
Extreme (40℃)		12.21	15.97	17.56	0.00650	0.00849	0.00934	PASS
Extreme (30℃)		11.57	5.10	10.67	0.00615	0.00271	0.00567	PASS
Extreme (20℃)		14.52	17.52	1.42	0.00772	0.00932	0.00076	PASS
Extreme (10℃)		12.15	2.64	11.91	0.00646	0.00140	0.00633	PASS
Extreme (0℃)		7.43	8.62	8.32	0.00395	0.00459	0.00443	PASS
Extreme (-10℃)		8.75	17.90	11.19	0.00465	0.00952	0.00595	PASS
Extreme (-20℃)		3.67	2.64	2.42	0.00195	0.00140	0.00129	PASS
Extreme (-30℃)		6.24	8.23	3.47	0.00332	0.00438	0.00185	PASS
25℃	LV	3.30	2.94	6.22	0.00176	0.00156	0.00331	PASS
	HV	10.78	16.36	5.80	0.00573	0.00870	0.00309	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	10MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25℃)	Normal	12.87	10.50	14.57	0.00684	0.00558	0.00775	PASS
Extreme (60℃)		2.92	10.42	13.40	0.00155	0.00554	0.00713	PASS
Extreme (50℃)		7.05	5.30	4.50	0.00375	0.00282	0.00239	PASS
Extreme (40℃)		15.89	10.35	17.69	0.00845	0.00551	0.00941	PASS
Extreme (30℃)		5.78	17.14	1.31	0.00307	0.00912	0.00070	PASS
Extreme (20℃)		7.25	6.96	6.69	0.00386	0.00370	0.00356	PASS
Extreme (10℃)		10.61	2.66	9.89	0.00564	0.00142	0.00526	PASS

Extreme (0℃)		16.69	4.29	8.84	0.00888	0.00228	0.00470	PASS
Extreme (-10℃)		4.58	4.15	16.58	0.00244	0.00221	0.00882	PASS
Extreme (-20℃)		13.03	8.78	3.04	0.00693	0.00467	0.00162	PASS
Extreme (-30℃)		1.20	16.62	3.40	0.00064	0.00884	0.00181	PASS
25℃	LV	2.54	15.61	7.93	0.00135	0.00830	0.00422	PASS
	HV	2.43	6.63	11.60	0.00129	0.00353	0.00617	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	15MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25℃)		11.34	2.30	17.86	0.00603	0.00123	0.00950	PASS
Extreme (60℃)		6.61	5.85	5.71	0.00352	0.00311	0.00304	PASS
Extreme (50℃)		13.28	4.19	13.42	0.00706	0.00223	0.00714	PASS
Extreme (40℃)		3.42	6.40	4.30	0.00182	0.00341	0.00229	PASS
Extreme (30℃)		6.97	3.83	4.25	0.00371	0.00204	0.00226	PASS
Extreme (20℃)	Normal	16.73	11.27	11.66	0.00890	0.00600	0.00620	PASS
Extreme (10℃)		8.32	4.30	4.46	0.00443	0.00229	0.00237	PASS
Extreme (0℃)		15.24	8.42	7.63	0.00810	0.00448	0.00406	PASS
Extreme (-10℃)		8.07	12.53	13.07	0.00429	0.00666	0.00695	PASS
Extreme (-20℃)		12.63	15.02	16.25	0.00672	0.00799	0.00864	PASS
Extreme (-30℃)		4.51	3.33	7.62	0.00240	0.00177	0.00405	PASS
25℃	LV	11.15	1.76	13.99	0.00593	0.00094	0.00744	PASS
	HV	12.37	17.18	6.81	0.00658	0.00914	0.00362	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	20MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25℃)		2.73	9.64	14.64	0.00145	0.00513	0.00779	PASS
Extreme (60℃)		7.32	13.30	3.23	0.00389	0.00708	0.00172	PASS
Extreme (50℃)		17.55	10.93	13.02	0.00934	0.00582	0.00693	PASS
Extreme (40℃)		17.95	14.00	15.82	0.00955	0.00745	0.00842	PASS
Extreme (30℃)		9.73	15.80	1.62	0.00518	0.00840	0.00086	PASS
Extreme (20℃)	Normal	17.86	8.98	3.53	0.00950	0.00477	0.00188	PASS
Extreme (10℃)		15.19	14.28	16.54	0.00808	0.00759	0.00880	PASS
Extreme (0℃)		10.20	14.45	6.49	0.00542	0.00768	0.00345	PASS
Extreme (-10℃)		14.01	4.32	7.12	0.00745	0.00230	0.00379	PASS
Extreme (-20℃)		9.57	5.91	14.01	0.00509	0.00314	0.00745	PASS
Extreme (-30℃)		13.79	8.45	2.76	0.00734	0.00449	0.00147	PASS
25℃	LV	7.00	6.22	11.76	0.00372	0.00331	0.00625	PASS
	HV	2.54	15.50	14.51	0.00135	0.00825	0.00772	PASS

NR n2										
Condition		Freq. Error (Hz)	Freq. Error (Hz)	Freq. Error (Hz)	Freq. Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	5MHz									
Temperature	Voltage	256QAM	64QAM	16QAM	QPSK	256QAM	64QAM	16QAM	QPSK	
Normal (25℃)	Normal	6.82	4.66	11.21	17.82	0.00363	0.00248	0.00596	0.00948	PASS
Extreme (60℃)		13.86	14.07	7.97	9.86	0.00737	0.00749	0.00424	0.00524	PASS
Extreme (50℃)		4.51	6.44	14.62	4.51	0.00240	0.00343	0.00778	0.00240	PASS
Extreme (40℃)		17.50	12.97	13.01	13.50	0.00931	0.00690	0.00692	0.00718	PASS
Extreme (30℃)		5.46	10.80	3.94	10.46	0.00291	0.00574	0.00210	0.00557	PASS
Extreme (20℃)		2.34	12.80	8.11	14.34	0.00124	0.00681	0.00431	0.00763	PASS
Extreme (10℃)		13.81	9.23	10.05	12.81	0.00734	0.00491	0.00534	0.00681	PASS
Extreme (0℃)		7.33	16.03	14.04	13.33	0.00390	0.00853	0.00747	0.00709	PASS
Extreme (-10℃)		1.18	8.37	6.55	17.18	0.00063	0.00445	0.00348	0.00914	PASS
Extreme (-20℃)		2.09	3.54	11.05	8.09	0.00111	0.00188	0.00588	0.00430	PASS
Extreme (-30℃)		9.95	7.29	13.06	10.95	0.00529	0.00388	0.00695	0.00583	PASS
25℃	LV	4.09	6.30	17.28	8.09	0.00217	0.00335	0.00919	0.00430	PASS
	HV	7.42	13.85	6.22	4.42	0.00395	0.00737	0.00331	0.00235	PASS
Condition		Freq. Error (Hz)	Freq. Error (Hz)	Freq. Error (Hz)	Freq. Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	10MHz									
Temperature	Voltage	256QAM	64QAM	16QAM	QPSK	256QAM	64QAM	16QAM	QPSK	
Normal (25℃)	Normal	14.55	15.82	12.80	3.55	0.00774	0.00841	0.00681	0.00189	PASS
Extreme (60℃)		13.24	8.04	6.25	1.24	0.00704	0.00428	0.00332	0.00066	PASS
Extreme (50℃)		5.54	7.32	6.82	16.54	0.00295	0.00389	0.00363	0.00880	PASS
Extreme (40℃)		10.43	5.24	3.95	7.43	0.00555	0.00279	0.00210	0.00395	PASS
Extreme (30℃)		5.41	7.67	11.11	11.41	0.00288	0.00408	0.00591	0.00607	PASS
Extreme (20℃)		1.24	16.69	4.44	1.24	0.00066	0.00888	0.00236	0.00066	PASS
Extreme (10℃)		4.93	7.43	1.15	10.93	0.00262	0.00395	0.00061	0.00582	PASS
Extreme (0℃)		16.84	6.22	3.61	4.84	0.00896	0.00331	0.00192	0.00257	PASS
Extreme (-10℃)		9.95	1.42	10.74	14.95	0.00529	0.00076	0.00571	0.00795	PASS
Extreme (-20℃)		12.67	4.58	9.03	16.67	0.00674	0.00244	0.00480	0.00887	PASS
Extreme (-30℃)		12.00	16.31	1.40	2.00	0.00638	0.00868	0.00075	0.00106	PASS
25℃	LV	16.59	12.17	1.29	16.59	0.00883	0.00647	0.00069	0.00883	PASS
	HV	17.87	10.58	14.67	8.87	0.00950	0.00563	0.00780	0.00472	PASS
Condition		Freq. Error (Hz)	Freq. Error (Hz)	Freq. Error (Hz)	Freq. Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	15MHz									
Temperature	Voltage	256QAM	64QAM	16QAM	QPSK	256QAM	64QAM	16QAM	QPSK	
Normal (25℃)	Normal	11.27	5.75	13.97	11.27	0.00600	0.00306	0.00743	0.00600	PASS
Extreme (60℃)		1.83	6.52	17.13	11.83	0.00097	0.00347	0.00911	0.00629	PASS
Extreme (50℃)		6.88	4.13	16.71	7.88	0.00366	0.00219	0.00889	0.00419	PASS

Extreme (40℃)		2.52	10.01	10.23	6.52	0.00134	0.00532	0.00544	0.00347	PASS
Extreme (30℃)		11.53	14.17	2.40	8.53	0.00613	0.00753	0.00128	0.00454	PASS
Extreme (20℃)		17.26	15.97	3.88	5.26	0.00918	0.00849	0.00206	0.00280	PASS
Extreme (10℃)		6.42	13.52	6.31	3.42	0.00341	0.00719	0.00335	0.00182	PASS
Extreme (0℃)		17.64	4.91	8.43	9.64	0.00938	0.00261	0.00448	0.00513	PASS
Extreme (-10℃)		17.88	3.84	16.37	16.88	0.00951	0.00204	0.00871	0.00898	PASS
Extreme (-20℃)		4.11	11.47	11.90	13.11	0.00219	0.00610	0.00633	0.00697	PASS
Extreme (-30℃)		15.67	7.39	11.65	4.67	0.00834	0.00393	0.00620	0.00249	PASS
25℃	LV	15.17	7.97	13.68	16.17	0.00807	0.00424	0.00728	0.00860	PASS
	HV	15.37	15.01	5.06	5.37	0.00818	0.00798	0.00269	0.00286	PASS
Condition		Freq. Error	Freq. Error	Freq. Error	Freq. Error	Frequency Stability	Frequency Stability	Frequency Stability	Frequency Stability	Verdict
BANDWIDTH	20MHz	(Hz)	(Hz)	(Hz)	(Hz)	(ppm)	(ppm)	(ppm)	(ppm)	
Temperature	Voltage	256QAM	64QAM	16QAM	QPSK	256QAM	64QAM	16QAM	QPSK	
Normal (25℃)		17.21	10.07	9.26	2.21	0.00916	0.00536	0.00492	0.00118	PASS
Extreme (60℃)		8.90	5.69	4.19	1.90	0.00474	0.00303	0.00223	0.00101	PASS
Extreme (50℃)		2.11	10.82	9.68	16.11	0.00112	0.00575	0.00515	0.00857	PASS
Extreme (40℃)		17.45	12.31	1.27	11.45	0.00928	0.00655	0.00068	0.00609	PASS
Extreme (30℃)		5.01	10.13	4.11	10.01	0.00267	0.00539	0.00219	0.00533	PASS
Extreme (20℃)	Normal	7.71	5.98	14.66	15.71	0.00410	0.00318	0.00780	0.00836	PASS
Extreme (10℃)		3.86	9.10	4.54	3.86	0.00205	0.00484	0.00241	0.00205	PASS
Extreme (0℃)		1.99	2.71	6.46	13.99	0.00106	0.00144	0.00344	0.00744	PASS
Extreme (-10℃)		10.34	6.20	7.93	5.34	0.00550	0.00330	0.00422	0.00284	PASS
Extreme (-20℃)		15.33	14.30	12.65	13.33	0.00815	0.00761	0.00673	0.00709	PASS
Extreme (-30℃)		15.14	9.25	16.53	6.14	0.00805	0.00492	0.00879	0.00327	PASS
25℃	LV	1.17	13.64	7.41	3.17	0.00062	0.00726	0.00394	0.00168	PASS
	HV	14.18	5.77	17.22	12.18	0.00754	0.00307	0.00916	0.00648	PASS

NR n25										
Condition		Freq. Error	Freq. Error	Freq. Error	Freq. Error	Frequency Stability	Frequency Stability	Frequency Stability	Frequency Stability	Verdict
BANDWIDTH	5MHz	(Hz)	(Hz)	(Hz)	(Hz)	(ppm)	(ppm)	(ppm)	(ppm)	
Temperature	Voltage	256QAM	64QAM	16QAM	QPSK	256QAM	64QAM	16QAM	QPSK	
Normal (25℃)		6.01	9.64	12.63	12.01	0.00319	0.00513	0.00672	0.00639	PASS
Extreme (60℃)		12.21	4.32	9.21	10.21	0.00649	0.00230	0.00490	0.00543	PASS
Extreme (50℃)		17.09	1.99	10.55	7.09	0.00909	0.00106	0.00561	0.00377	PASS
Extreme (40℃)		9.87	9.34	6.06	2.87	0.00525	0.00497	0.00323	0.00152	PASS
Extreme (30℃)	Normal	8.30	15.76	12.61	16.30	0.00441	0.00838	0.00671	0.00867	PASS
Extreme (20℃)		9.93	1.45	8.77	1.93	0.00528	0.00077	0.00466	0.00103	PASS
Extreme (10℃)		7.73	6.95	14.40	7.73	0.00411	0.00369	0.00766	0.00411	PASS
Extreme (0℃)		10.42	6.46	1.13	7.42	0.00554	0.00344	0.00060	0.00395	PASS
Extreme (-10℃)		6.55	8.34	12.63	12.55	0.00349	0.00444	0.00672	0.00668	PASS

Extreme (-20℃)		11.21	11.27	13.51	5.21	0.00596	0.00599	0.00718	0.00277	PASS
Extreme (-30℃)		3.87	5.30	3.80	1.87	0.00206	0.00282	0.00202	0.00100	PASS
25℃	LV	3.03	12.33	5.65	2.03	0.00161	0.00656	0.00301	0.00108	PASS
	HV	1.85	15.13	8.73	4.85	0.00098	0.00805	0.00465	0.00258	PASS
Condition		Freq. Error	Freq. Error	Freq. Error	Freq. Error	Frequency Stability	Frequency Stability	Frequency Stability	Frequency Stability	Verdict
BANDWIDTH	10MHz	(Hz)	(Hz)	(Hz)	(Hz)	(ppm)	(ppm)	(ppm)	(ppm)	
Temperature	Voltage	256QAM	64QAM	16QAM	QPSK	256QAM	64QAM	16QAM	QPSK	
Normal (25℃)		12.40	16.75	1.11	12.40	0.00659	0.00891	0.00059	0.00659	PASS
Extreme (60℃)		15.65	7.96	4.33	12.65	0.00832	0.00423	0.00230	0.00673	PASS
Extreme (50℃)		15.04	13.91	10.13	16.04	0.00800	0.00740	0.00539	0.00853	PASS
Extreme (40℃)		17.03	1.53	5.29	16.03	0.00906	0.00082	0.00281	0.00853	PASS
Extreme (30℃)		14.20	16.69	6.51	12.20	0.00755	0.00888	0.00346	0.00649	PASS
Extreme (20℃)	Normal	13.66	2.99	16.95	15.66	0.00726	0.00159	0.00902	0.00833	PASS
Extreme (10℃)		2.12	10.88	2.44	1.12	0.00113	0.00579	0.00130	0.00060	PASS
Extreme (0℃)		8.90	8.38	6.62	3.90	0.00473	0.00446	0.00352	0.00207	PASS
Extreme (-10℃)		12.60	17.21	2.39	3.60	0.00670	0.00915	0.00127	0.00191	PASS
Extreme (-20℃)		15.50	9.23	6.87	5.50	0.00825	0.00491	0.00365	0.00293	PASS
Extreme (-30℃)		3.04	10.68	9.86	1.04	0.00162	0.00568	0.00525	0.00055	PASS
25℃	LV	7.63	7.51	15.52	15.63	0.00406	0.00399	0.00826	0.00831	PASS
	HV	14.46	11.38	2.05	17.46	0.00769	0.00605	0.00109	0.00929	PASS
Condition		Freq. Error	Freq. Error	Freq. Error	Freq. Error	Frequency Stability	Frequency Stability	Frequency Stability	Frequency Stability	Verdict
BANDWIDTH	15MHz	(Hz)	(Hz)	(Hz)	(Hz)	(ppm)	(ppm)	(ppm)	(ppm)	
Temperature	Voltage	256QAM	64QAM	16QAM	QPSK	256QAM	64QAM	16QAM	QPSK	
Normal (25℃)		16.04	9.42	14.71	10.04	0.00853	0.00501	0.00782	0.00534	PASS
Extreme (60℃)		11.04	8.08	17.31	6.04	0.00587	0.00430	0.00921	0.00321	PASS
Extreme (50℃)		9.93	12.46	14.09	2.93	0.00528	0.00663	0.00749	0.00156	PASS
Extreme (40℃)		15.89	9.48	10.23	11.89	0.00845	0.00504	0.00544	0.00632	PASS
Extreme (30℃)		17.83	15.10	5.85	13.83	0.00948	0.00803	0.00311	0.00735	PASS
Extreme (20℃)	Normal	3.26	3.61	13.44	4.26	0.00173	0.00192	0.00715	0.00226	PASS
Extreme (10℃)		3.57	16.02	11.32	4.57	0.00190	0.00852	0.00602	0.00243	PASS
Extreme (0℃)		14.17	17.14	1.01	6.17	0.00754	0.00912	0.00053	0.00328	PASS
Extreme (-10℃)		16.03	15.31	14.08	14.03	0.00853	0.00814	0.00749	0.00746	PASS
Extreme (-20℃)		3.24	17.74	11.94	1.24	0.00172	0.00944	0.00635	0.00066	PASS
Extreme (-30℃)		1.32	13.56	17.07	11.32	0.00070	0.00721	0.00908	0.00602	PASS
25℃	LV	5.68	4.41	6.60	1.68	0.00302	0.00234	0.00351	0.00089	PASS
	HV	14.42	15.21	5.67	14.42	0.00767	0.00809	0.00302	0.00767	PASS
Condition		Freq. Error	Freq. Error	Freq. Error	Freq. Error	Frequency Stability	Frequency Stability	Frequency Stability	Frequency Stability	Verdict
BANDWIDTH	20MHz	(Hz)	(Hz)	(Hz)	(Hz)	(ppm)	(ppm)	(ppm)	(ppm)	
Temperature	Voltage	256QAM	64QAM	16QAM	QPSK	256QAM	64QAM	16QAM	QPSK	
Normal (25℃)	Normal	5.53	3.58	10.35	6.53	0.00294	0.00190	0.00551	0.00347	PASS

Extreme (60℃)		6.39	4.54	8.05	13.39	0.00340	0.00241	0.00428	0.00712	PASS
Extreme (50℃)		12.13	13.09	4.97	4.13	0.00645	0.00696	0.00264	0.00220	PASS
Extreme (40℃)		11.11	16.90	9.60	9.11	0.00591	0.00899	0.00511	0.00485	PASS
Extreme (30℃)		6.60	10.54	3.40	5.60	0.00351	0.00561	0.00181	0.00298	PASS
Extreme (20℃)		2.69	8.96	2.16	16.69	0.00143	0.00476	0.00115	0.00888	PASS
Extreme (10℃)		5.62	2.75	13.65	4.62	0.00299	0.00146	0.00726	0.00246	PASS
Extreme (0℃)		4.96	7.55	3.96	9.96	0.00264	0.00402	0.00211	0.00530	PASS
Extreme (-10℃)		5.09	17.74	8.76	2.09	0.00271	0.00944	0.00466	0.00111	PASS
Extreme (-20℃)		6.90	16.24	10.74	10.90	0.00367	0.00864	0.00571	0.00580	PASS
Extreme (-30℃)		17.51	12.05	14.49	2.51	0.00931	0.00641	0.00771	0.00133	PASS
25℃	LV	12.69	11.57	3.82	1.69	0.00675	0.00616	0.00203	0.00090	PASS
	HV	17.19	17.66	17.15	7.19	0.00914	0.00939	0.00912	0.00382	PASS

DC_12A_n2										
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	5MHz									
Temperature	Voltage	256QAM	64QAM	16QAM	QPSK	256QAM	64QAM	16QAM	QPSK	
Normal (25℃)	Normal	4.97	10.11	11.59	10.97	0.00264	0.00538	0.00616	0.00583	PASS
Extreme (60℃)		15.97	12.79	14.24	10.97	0.00849	0.00680	0.00757	0.00583	PASS
Extreme (50℃)		12.79	17.04	3.58	4.79	0.00680	0.00907	0.00190	0.00255	PASS
Extreme (40℃)		4.95	8.76	10.49	8.95	0.00263	0.00466	0.00558	0.00476	PASS
Extreme (30℃)		17.10	10.68	1.87	13.10	0.00910	0.00568	0.00099	0.00697	PASS
Extreme (20℃)		17.61	6.99	5.51	1.61	0.00937	0.00372	0.00293	0.00086	PASS
Extreme (10℃)		6.82	5.85	17.58	15.82	0.00363	0.00311	0.00935	0.00842	PASS
Extreme (0℃)		12.90	17.17	5.13	6.90	0.00686	0.00913	0.00273	0.00367	PASS
Extreme (-10℃)		6.78	13.04	12.49	9.78	0.00361	0.00693	0.00664	0.00520	PASS
Extreme (-20℃)		1.61	16.92	10.26	6.61	0.00086	0.00900	0.00546	0.00352	PASS
Extreme (-30℃)		5.56	7.95	2.51	8.56	0.00296	0.00423	0.00133	0.00456	PASS
25℃	LV	9.62	1.96	11.35	13.62	0.00512	0.00104	0.00604	0.00724	PASS
	HV	1.98	12.61	18.00	7.98	0.00105	0.00671	0.00957	0.00424	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	10MHz									
Temperature	Voltage	256QAM	64QAM	16QAM	QPSK	256QAM	64QAM	16QAM	QPSK	
Normal (25℃)	Normal	4.59	15.02	5.40	10.59	0.00244	0.00799	0.00287	0.00563	PASS
Extreme (60℃)		6.04	17.19	5.87	4.04	0.00321	0.00914	0.00312	0.00215	PASS
Extreme (50℃)		6.59	4.93	9.00	8.59	0.00351	0.00262	0.00479	0.00457	PASS
Extreme (40℃)		9.38	3.56	1.10	3.38	0.00499	0.00189	0.00059	0.00180	PASS
Extreme (30℃)		1.76	5.64	7.25	2.76	0.00094	0.00300	0.00386	0.00147	PASS
Extreme (20℃)		2.81	16.73	9.44	16.81	0.00149	0.00890	0.00502	0.00894	PASS
Extreme (10℃)		12.98	11.19	4.70	9.98	0.00690	0.00595	0.00250	0.00531	PASS

Extreme (0℃)		1.14	6.28	8.40	1.14	0.00061	0.00334	0.00447	0.00061	PASS
Extreme (-10℃)		9.08	7.80	4.50	15.08	0.00483	0.00415	0.00239	0.00802	PASS
Extreme (-20℃)		17.33	5.69	14.48	9.33	0.00922	0.00303	0.00770	0.00496	PASS
Extreme (-30℃)		5.84	5.38	4.63	10.84	0.00311	0.00286	0.00246	0.00577	PASS
25℃	LV	10.62	10.40	1.87	1.62	0.00565	0.00553	0.00099	0.00086	PASS
	HV	4.47	17.43	13.32	14.47	0.00238	0.00927	0.00708	0.00769	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	15MHz									
Temperature	Voltage	256QAM	64QAM	16QAM	QPSK	256QAM	64QAM	16QAM	QPSK	
Normal (25℃)		4.49	4.56	3.93	1.49	0.00239	0.00243	0.00209	0.00079	PASS
Extreme (60℃)		6.86	11.04	17.59	10.86	0.00365	0.00587	0.00936	0.00577	PASS
Extreme (50℃)		2.51	12.39	6.02	14.51	0.00134	0.00659	0.00320	0.00772	PASS
Extreme (40℃)		6.37	13.98	8.55	12.37	0.00339	0.00743	0.00455	0.00658	PASS
Extreme (30℃)		4.94	10.49	7.18	12.94	0.00263	0.00558	0.00382	0.00688	PASS
Extreme (20℃)	Normal	10.53	8.49	17.42	16.53	0.00560	0.00451	0.00927	0.00879	PASS
Extreme (10℃)		11.30	13.53	14.35	4.30	0.00601	0.00720	0.00763	0.00229	PASS
Extreme (0℃)		10.58	14.60	14.72	10.58	0.00563	0.00777	0.00783	0.00563	PASS
Extreme (-10℃)		17.54	2.25	15.80	15.54	0.00933	0.00120	0.00840	0.00826	PASS
Extreme (-20℃)		9.75	2.52	10.39	5.75	0.00519	0.00134	0.00553	0.00306	PASS
Extreme (-30℃)		13.53	13.35	4.72	13.53	0.00720	0.00710	0.00251	0.00720	PASS
25℃	LV	2.05	9.36	5.09	9.05	0.00109	0.00498	0.00271	0.00482	PASS
	HV	14.77	10.90	7.17	10.77	0.00785	0.00580	0.00381	0.00573	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	20MHz									
Temperature	Voltage	256QAM	64QAM	16QAM	QPSK	256QAM	64QAM	16QAM	QPSK	
Normal (25℃)		6.46	10.66	1.03	2.46	0.00344	0.00567	0.00055	0.00131	PASS
Extreme (60℃)		17.34	13.10	1.63	16.34	0.00923	0.00697	0.00087	0.00869	PASS
Extreme (50℃)		5.64	5.72	16.71	1.64	0.00300	0.00304	0.00889	0.00087	PASS
Extreme (40℃)		14.32	16.02	14.79	15.32	0.00762	0.00852	0.00787	0.00815	PASS
Extreme (30℃)		16.32	15.14	3.64	15.32	0.00868	0.00805	0.00194	0.00815	PASS
Extreme (20℃)	Normal	17.34	17.32	14.12	1.34	0.00923	0.00921	0.00751	0.00071	PASS
Extreme (10℃)		14.52	11.71	12.72	3.52	0.00772	0.00623	0.00676	0.00187	PASS
Extreme (0℃)		13.89	15.42	3.16	9.89	0.00739	0.00820	0.00168	0.00526	PASS
Extreme (-10℃)		10.08	15.84	15.21	14.08	0.00536	0.00842	0.00809	0.00749	PASS
Extreme (-20℃)		3.70	14.77	16.16	11.70	0.00197	0.00786	0.00860	0.00622	PASS
Extreme (-30℃)		3.18	16.94	8.38	6.18	0.00169	0.00901	0.00446	0.00328	PASS
25℃	LV	11.79	3.81	10.58	16.79	0.00627	0.00202	0.00563	0.00893	PASS
	HV	6.33	15.69	9.31	8.33	0.00336	0.00834	0.00495	0.00443	PASS

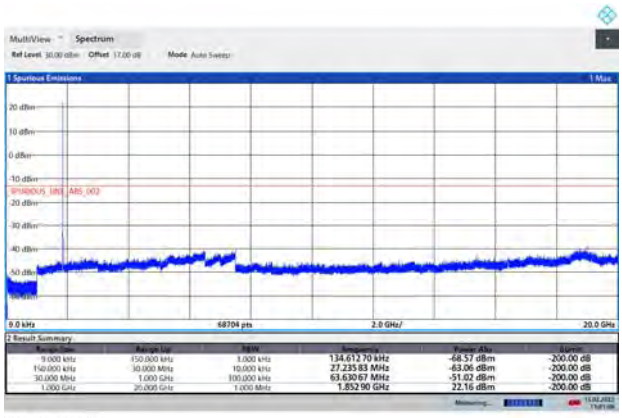
DC_66A_n25										
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	5MHz									
Temperature	Voltage	256QAM	64QAM	16QAM	QPSK	256QAM	64QAM	16QAM	QPSK	
Normal (25℃)	Normal	13.35	15.02	17.65	7.35	0.00710	0.00799	0.00939	0.00391	PASS
Extreme (60℃)		2.80	2.06	5.70	6.80	0.00149	0.00110	0.00303	0.00362	PASS
Extreme (50℃)		9.50	9.23	12.32	15.50	0.00505	0.00491	0.00655	0.00825	PASS
Extreme (40℃)		6.09	15.92	7.71	12.09	0.00324	0.00847	0.00410	0.00643	PASS
Extreme (30℃)		3.52	3.53	6.25	10.52	0.00187	0.00188	0.00332	0.00559	PASS
Extreme (20℃)		8.98	7.15	4.67	7.98	0.00478	0.00380	0.00249	0.00424	PASS
Extreme (10℃)		5.10	2.75	3.11	13.10	0.00271	0.00146	0.00165	0.00697	PASS
Extreme (0℃)		16.47	2.42	5.93	12.47	0.00876	0.00129	0.00316	0.00663	PASS
Extreme (-10℃)		2.67	15.79	13.31	3.67	0.00142	0.00840	0.00708	0.00195	PASS
Extreme (-20℃)		5.90	11.86	12.34	11.90	0.00314	0.00631	0.00656	0.00633	PASS
Extreme (-30℃)		5.09	15.89	9.36	8.09	0.00271	0.00845	0.00498	0.00430	PASS
25℃	LV	8.52	15.22	17.53	15.52	0.00453	0.00810	0.00933	0.00826	PASS
	HV	13.14	6.43	11.35	4.14	0.00699	0.00342	0.00604	0.00220	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	10MHz									
Temperature	Voltage	256QAM	64QAM	16QAM	QPSK	256QAM	64QAM	16QAM	QPSK	
Normal (25℃)	Normal	10.83	9.70	17.37	12.83	0.00576	0.00516	0.00924	0.00683	PASS
Extreme (60℃)		3.05	10.94	6.84	17.05	0.00162	0.00582	0.00364	0.00907	PASS
Extreme (50℃)		16.63	8.89	15.29	5.63	0.00885	0.00473	0.00813	0.00299	PASS
Extreme (40℃)		2.30	9.73	4.83	2.30	0.00122	0.00518	0.00257	0.00122	PASS
Extreme (30℃)		8.03	10.09	10.39	11.03	0.00427	0.00536	0.00553	0.00587	PASS
Extreme (20℃)		16.92	5.56	14.62	1.92	0.00900	0.00296	0.00778	0.00102	PASS
Extreme (10℃)		15.01	1.48	13.22	15.01	0.00798	0.00078	0.00703	0.00798	PASS
Extreme (0℃)		1.32	12.82	15.42	12.32	0.00070	0.00682	0.00820	0.00655	PASS
Extreme (-10℃)		13.89	14.24	9.75	15.89	0.00739	0.00757	0.00518	0.00845	PASS
Extreme (-20℃)		11.83	12.02	7.35	11.83	0.00629	0.00639	0.00391	0.00629	PASS
Extreme (-30℃)		1.94	1.67	15.58	1.94	0.00103	0.00089	0.00828	0.00103	PASS
25℃	LV	2.70	10.51	10.26	2.70	0.00144	0.00559	0.00546	0.00144	PASS
	HV	14.03	1.37	12.60	12.03	0.00746	0.00073	0.00670	0.00640	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	15MHz									
Temperature	Voltage	256QAM	64QAM	16QAM	QPSK	256QAM	64QAM	16QAM	QPSK	
Normal (25℃)	Normal	2.89	11.53	9.92	1.89	0.00154	0.00613	0.00528	0.00101	PASS
Extreme (60℃)		10.08	11.65	16.68	1.08	0.00536	0.00620	0.00887	0.00058	PASS
Extreme (50℃)		8.39	16.49	7.80	5.39	0.00446	0.00877	0.00415	0.00287	PASS

Extreme (40℃)		4.10	8.71	13.73	4.10	0.00218	0.00463	0.00730	0.00218	PASS
Extreme (30℃)		1.94	2.68	5.55	14.94	0.00103	0.00142	0.00295	0.00795	PASS
Extreme (20℃)		2.52	5.68	8.66	2.52	0.00134	0.00302	0.00460	0.00134	PASS
Extreme (10℃)		14.85	2.36	3.43	11.85	0.00790	0.00126	0.00182	0.00630	PASS
Extreme (0℃)		2.38	13.45	6.48	9.38	0.00127	0.00716	0.00345	0.00499	PASS
Extreme (-10℃)		16.55	7.15	15.97	12.55	0.00881	0.00380	0.00850	0.00668	PASS
Extreme (-20℃)		15.47	2.92	4.37	16.47	0.00823	0.00155	0.00233	0.00876	PASS
Extreme (-30℃)		7.84	6.86	17.71	4.84	0.00417	0.00365	0.00942	0.00258	PASS
25℃	LV	11.19	17.36	15.68	13.19	0.00595	0.00923	0.00834	0.00702	PASS
	HV	8.01	8.42	6.92	3.01	0.00426	0.00448	0.00368	0.00160	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	20MHz									
Temperature	Voltage	256QAM	64QAM	16QAM	QPSK	256QAM	64QAM	16QAM	QPSK	
Normal (25℃)	Normal	12.25	14.80	16.92	3.25	0.00652	0.00787	0.00900	0.00173	PASS
Extreme (60℃)		5.30	10.12	18.00	11.30	0.00282	0.00538	0.00957	0.00601	PASS
Extreme (50℃)		12.25	1.53	13.70	16.25	0.00652	0.00081	0.00729	0.00864	PASS
Extreme (40℃)		3.28	3.56	14.09	11.28	0.00174	0.00189	0.00749	0.00600	PASS
Extreme (30℃)		6.85	10.45	1.15	9.85	0.00364	0.00556	0.00061	0.00524	PASS
Extreme (20℃)		1.29	2.36	10.33	5.29	0.00069	0.00125	0.00549	0.00282	PASS
Extreme (10℃)		8.81	11.36	13.92	10.81	0.00469	0.00604	0.00740	0.00575	PASS
Extreme (0℃)		8.46	1.24	7.11	15.46	0.00450	0.00066	0.00378	0.00822	PASS
Extreme (-10℃)		6.33	15.50	6.44	15.33	0.00337	0.00825	0.00343	0.00816	PASS
Extreme (-20℃)		17.07	15.41	7.20	13.07	0.00908	0.00820	0.00383	0.00695	PASS
Extreme (-30℃)		8.99	7.04	5.85	4.99	0.00478	0.00374	0.00311	0.00265	PASS
25℃	LV	17.00	10.23	6.33	4.00	0.00904	0.00544	0.00337	0.00213	PASS
	HV	10.67	15.16	15.63	13.67	0.00568	0.00806	0.00831	0.00727	PASS

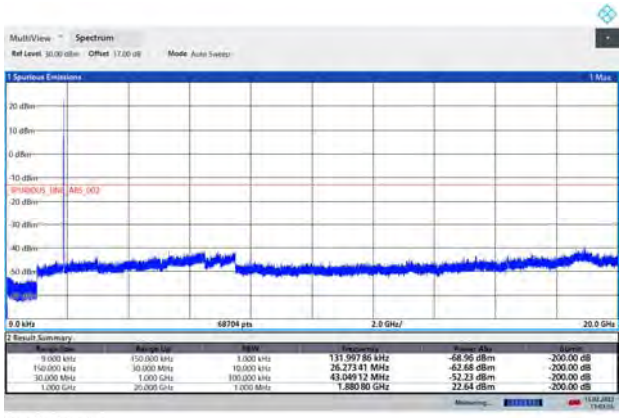
6.6. Spurious Emissions at Antenna Terminals

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the emissions more than 20 dB below the limit are not reported.
The signal beyond the limit is carrier.

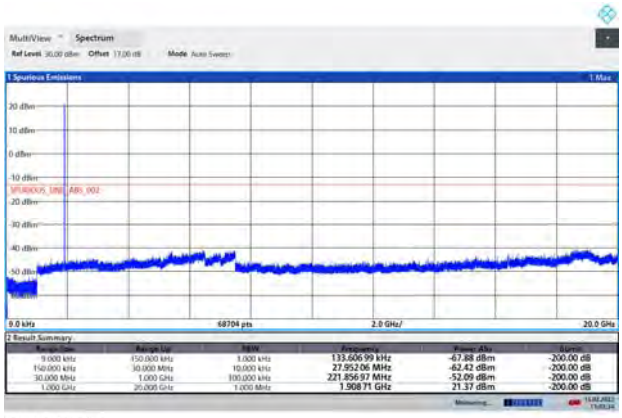
WCDMA BAND II CH-Low 9kHz ~ 20GHz



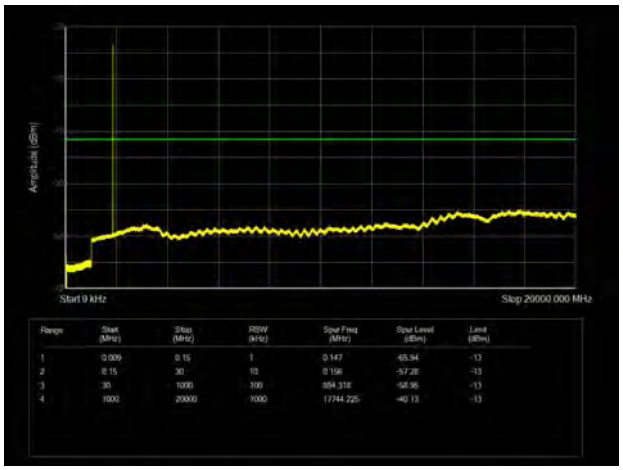
WCDMA BAND II CH- Middle 9kHz ~ 20GHz



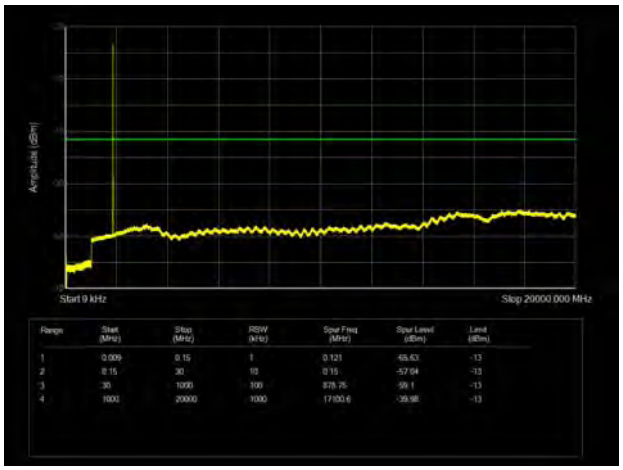
WCDMA BAND II CH-High 9kHz ~ 20GHz



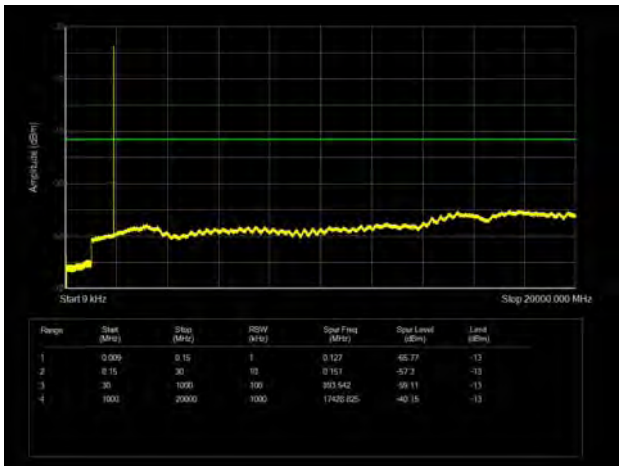
LTE Band 2 1.4MHz CH-Low 9kHz~20GHz



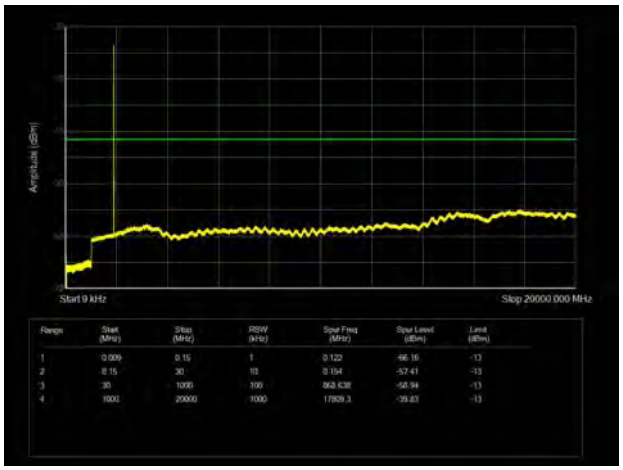
LTE Band 2 3MHz CH-Low 9kHz~20GHz



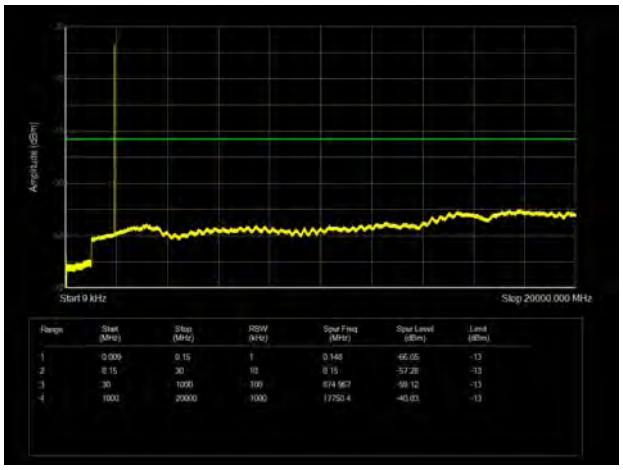
LTE Band 2 1.4MHz CH-Middle 9kHz~20GHz



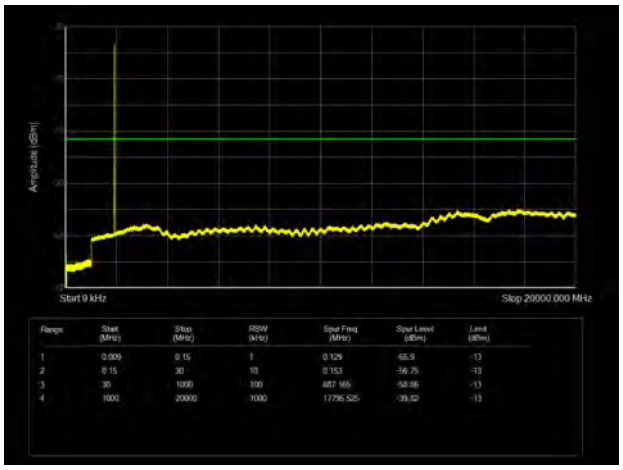
LTE Band 2 3MHz CH-Middle 9kHz~20GHz



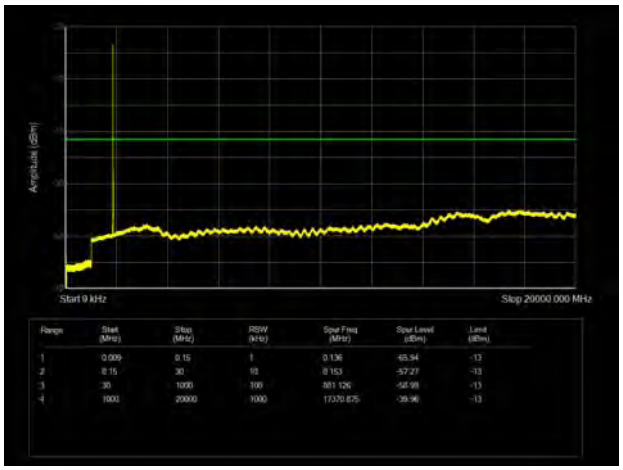
LTE Band 2 1.4MHz CH-High 9kHz~20GHz



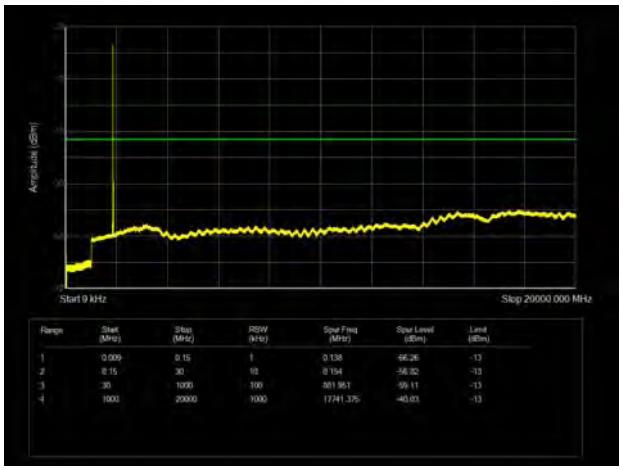
LTE Band 2 3MHz CH-High 9kHz~20GHz



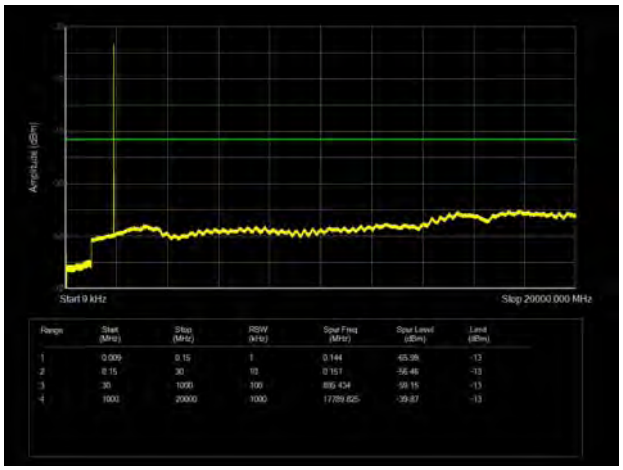
LTE Band 2 5MHz CH-Low 9kHz~20GHz



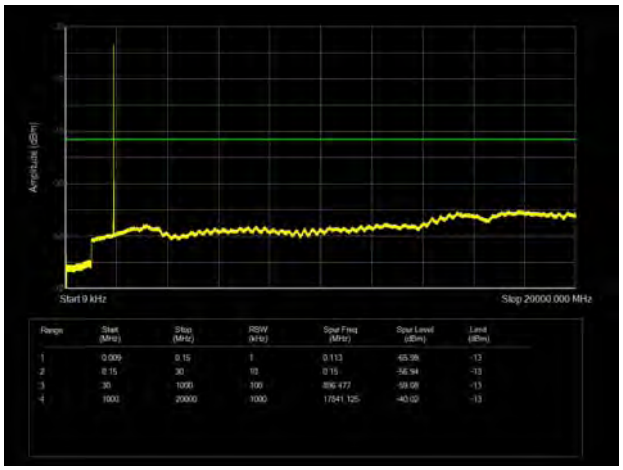
LTE Band 2 10MHz CH-Low 9kHz~20GHz



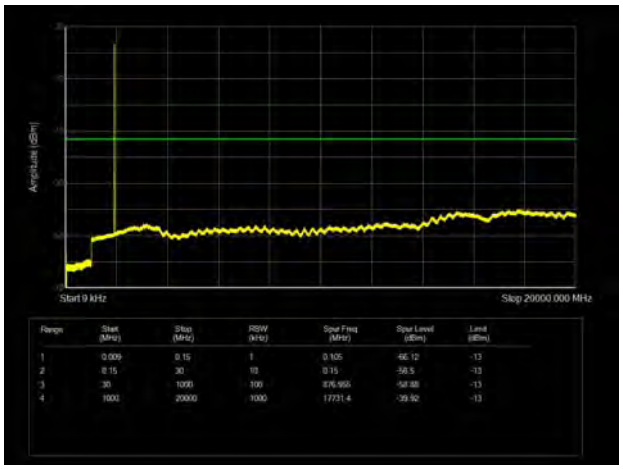
LTE Band 2 5MHz CH-Middle 9kHz~20GHz



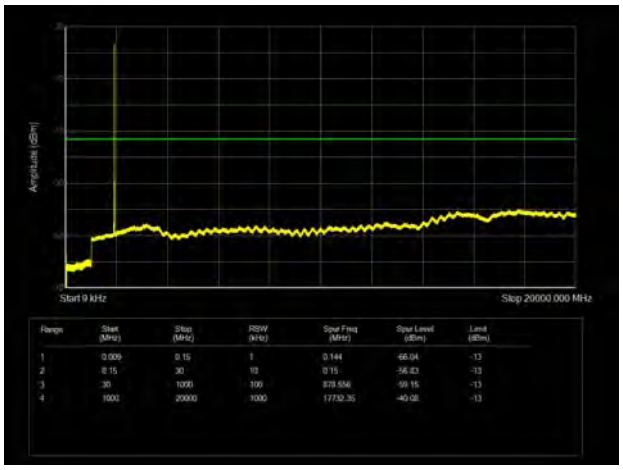
LTE Band 2 10MHz CH-Middle 9kHz~20GHz



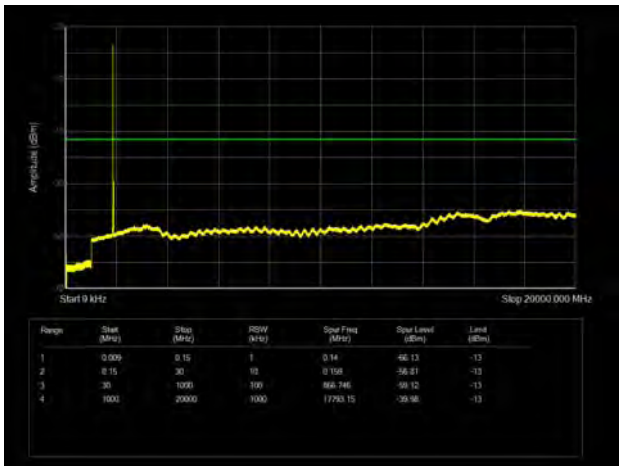
LTE Band 2 5MHz CH-High 9kHz~20GHz



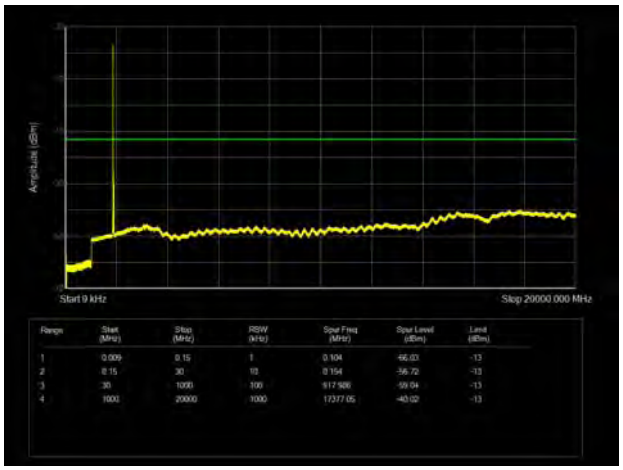
LTE Band 2 10MHz CH-High 9kHz~20GHz



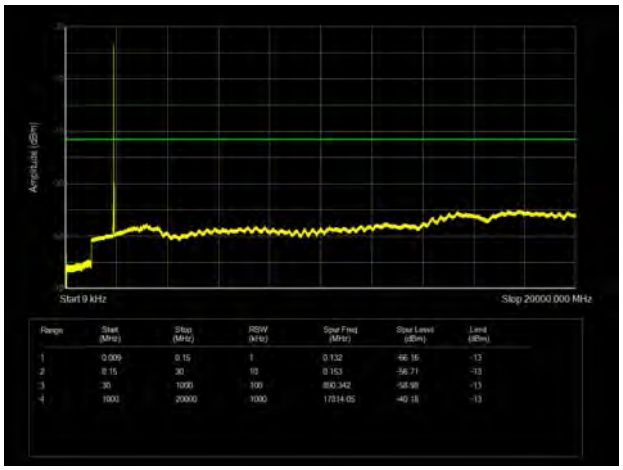
LTE Band 2 15MHz CH-Low 9kHz~20GHz



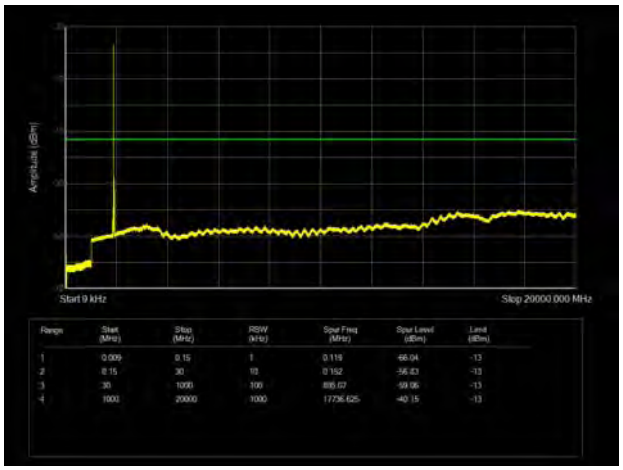
LTE Band 2 20MHz CH-Low 9kHz~20GHz



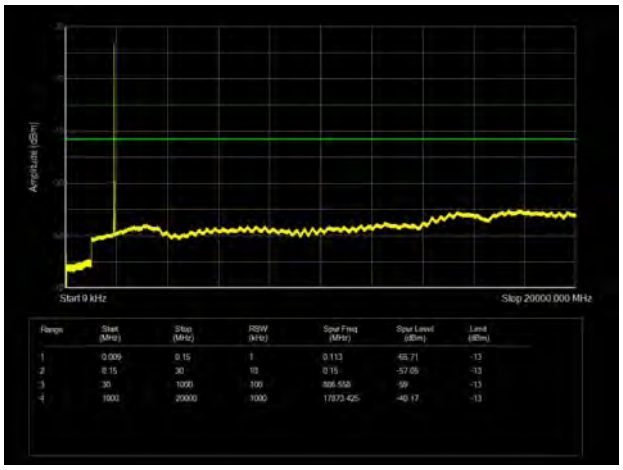
LTE Band 2 15MHz CH-Middle 9kHz~20GHz



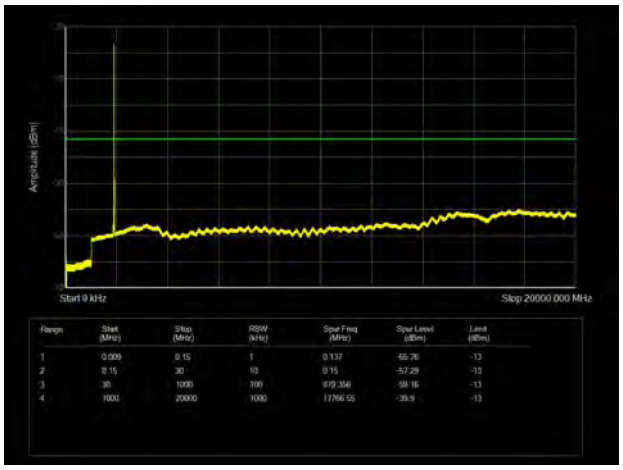
LTE Band 2 20MHz CH-Middle 9kHz~20GHz



LTE Band 2 15MHz CH-High 9kHz~20GHz

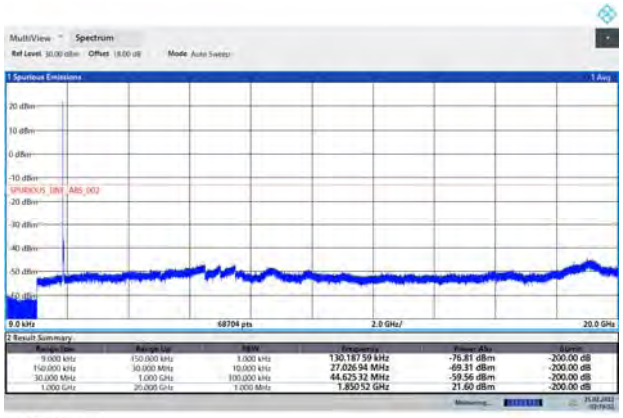


LTE Band 2 20MHz CH-High 9kHz~20GHz



NR n2 P1/2 BPSK 20MHz CH-Low 9kHz~20GHz

NR n2 QPSK 20MHz CH-Low 9kHz~20GHz



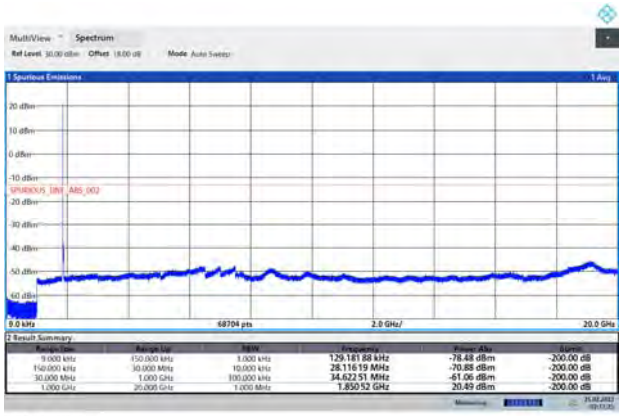
NR n2 P1/2 BPSK 20MHz CH-Middle 9kHz~20GHz

NR n2 QPSK 20MHz CH-Middle 9kHz~20GHz

NR n2 P1/2 BPSK 20MHz CH-High 9kHz~20GHz

NR n2 QPSK 20MHz CH-High 9kHz~20GHz

NR n2 16QAM 20MHz CH-Low 9kHz~20GHz



NR n2 64QAM 20MHz CH-Low 9kHz~20GHz

NR n2 16QAM 20MHz CH-Middle 9kHz~20GHz

NR n2 64QAM 20MHz CH-Middle 9kHz~20GHz

NR n2 16QAM 20MHz CH-High 9kHz~20GHz

NR n2 64QAM 20MHz CH-High 9kHz~20GHz

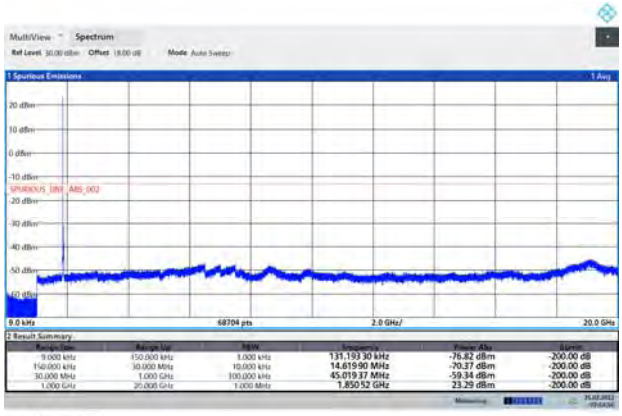
NR n2 256QAM 20MHz CH-Low 9kHz~20GHz

NR n2 256QAM 20MHz CH-Middle 9kHz~20GHz

NR n2 256QAM 20MHz CH-High 9kHz~20GHz

NR n25 P1/2 BPSK 20MHz CH-Low 9kHz~20GHz

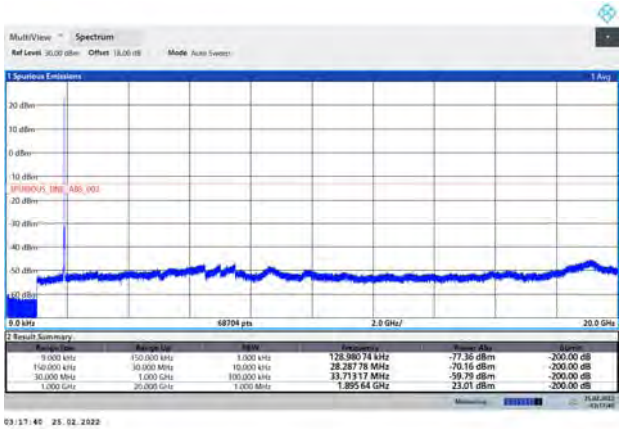
NR n25 QPSK 20MHz CH-Low 9kHz~20GHz



NR n25 P1/2 BPSK 20MHz CH-Middle 9kHz~20GHz

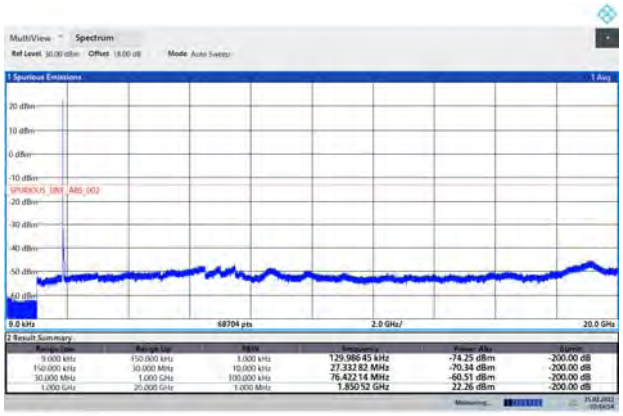
NR n25 QPSK 20MHz CH-Middle 9kHz~20GHz

NR n25 P1/2 BPSK 20MHz CH-High 9kHz~20GHz



NR n25 QPSK 20MHz CH-High 9kHz~20GHz

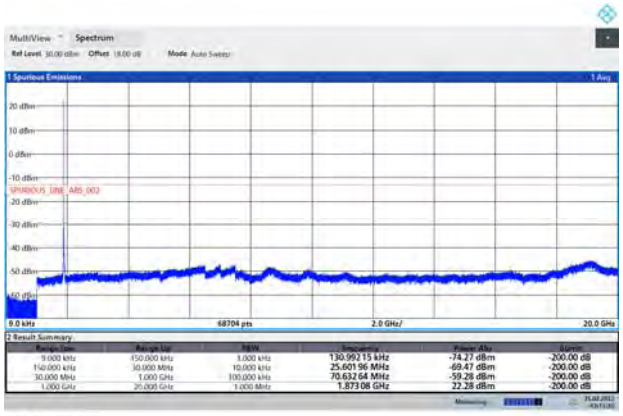
NR n25 16QAM 20MHz CH-Low 9kHz~20GHz



NR n25 64QAM 20MHz CH-Low 9kHz~20GHz

NR n25 16QAM 20MHz CH-Middle 9kHz~20GHz

NR n25 64QAM 20MHz CH-Middle 9kHz~20GHz



NR n25 16QAM 20MHz CH-High 9kHz~20GHz

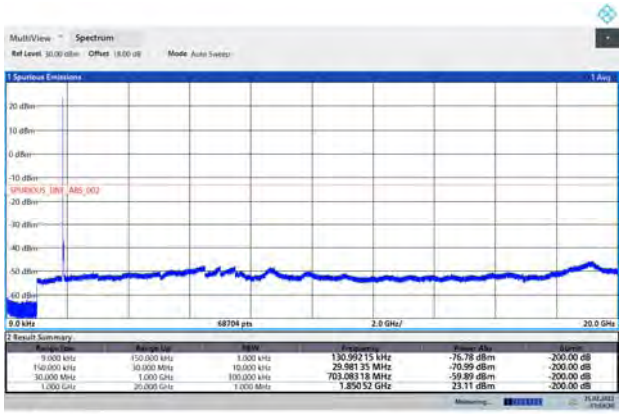
NR n25 64QAM 20MHz CH-High 9kHz~20GHz

NR n25 256QAM 20MHz CH-Low 9kHz~20GHz

NR n25 256QAM 20MHz CH-Middle 9kHz~20GHz

NR n25 256QAM 20MHz CH-High 9kHz~20GHz

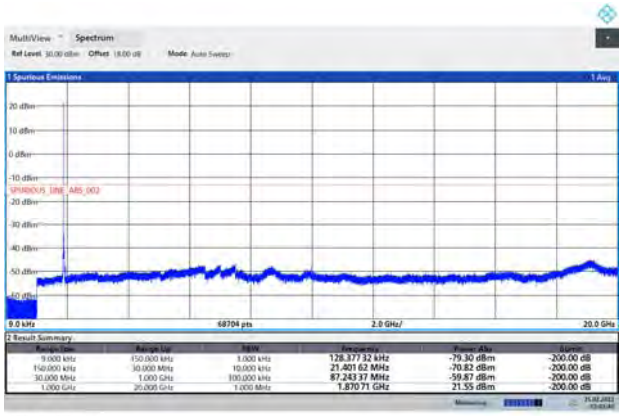
DC_12A_n2A P1/2 BPSK 20MHz CH-Low
9kHz~20GHz



DC_12A_n2A QPSK 20MHz CH-Low
9kHz~20GHz

DC_12A_n2A P1/2 BPSK 20MHz CH-Middle
9kHz~20GHz

DC_12A_n2A QPSK 20MHz CH-Middle
9kHz~20GHz



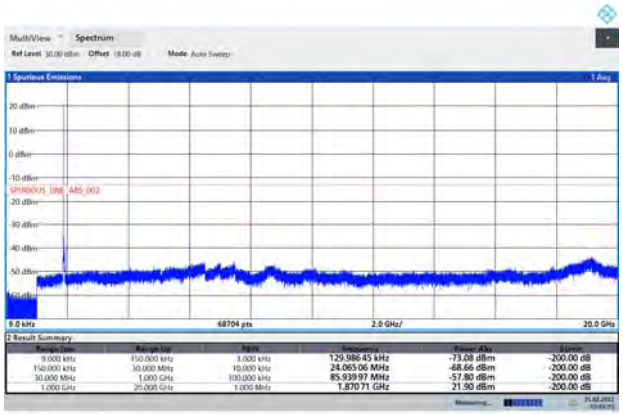
DC_12A_n2A P1/2 BPSK 20MHz CH-High
9kHz~20GHz

DC_12A_n2A QPSK 20MHz CH-High
9kHz~20GHz

DC_12A_n2A 16QAM 20MHz CH-Low
9kHz~20GHz

DC_12A_n2A 64QAM 20MHz CH-Low
9kHz~20GHz

DC_12A_n2A 16QAM 20MHz CH-Middle
9kHz~20GHz



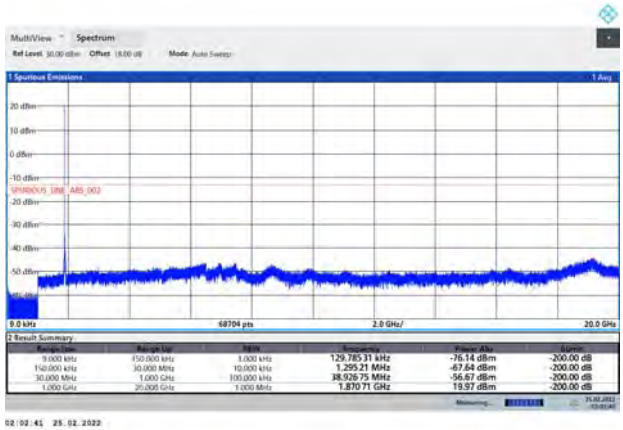
DC_12A_n2A 64QAM 20MHz CH-Middle
9kHz~20GHz

DC_12A_n2A 16QAM 20MHz CH-High
9kHz~20GHz

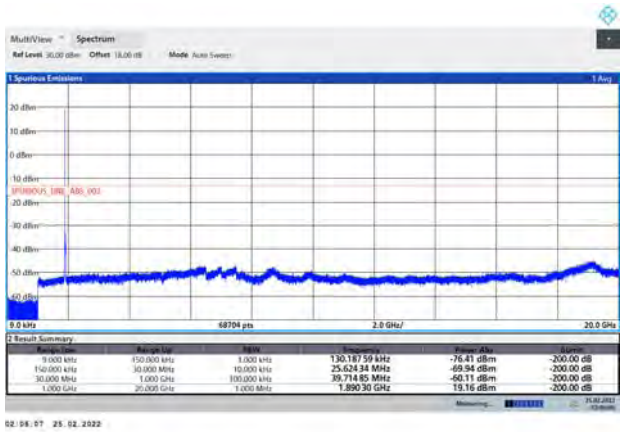
DC_12A_n2A 64QAM 20MHz CH-High
9kHz~20GHz

DC_12A_n2A 256QAM 20MHz CH-Low
9kHz~20GHz

DC_12A_n2A 256QAM 20MHz CH-Middle
9kHz~20GHz



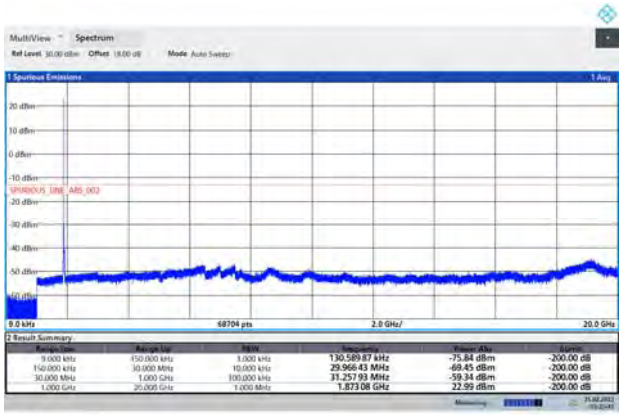
DC_12A_n2A 256QAM 20MHz CH-High
9kHz~20GHz



DC_66A_n25A P1/2 BPSK 20MHz CH-Low
9kHz~20GHz

DC_66A_n25A QPSK 20MHz CH-Low
9kHz~20GHz

DC_66A_n25A P1/2 BPSK 20MHz CH-Middle
9kHz~20GHz

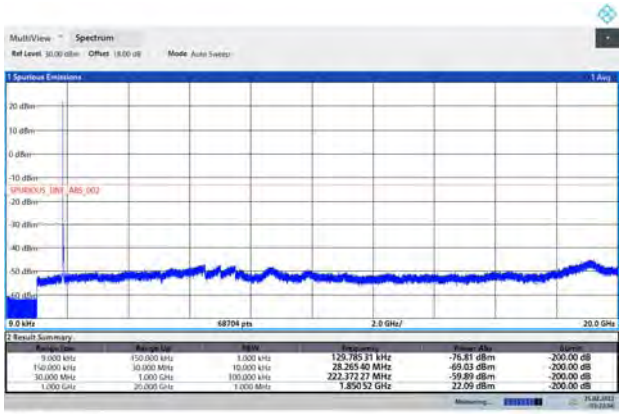


DC_66A_n25A QPSK 20MHz CH-Middle
9kHz~20GHz

DC_66A_n25A P1/2 BPSK 20MHz CH-High
9kHz~20GHz

DC_66A_n25A QPSK 20MHz CH-High
9kHz~20GHz

DC_66A_n25A 16QAM 20MHz CH-Low
9kHz~20GHz



DC_66A_n25A 64QAM 20MHz CH-Low
9kHz~20GHz

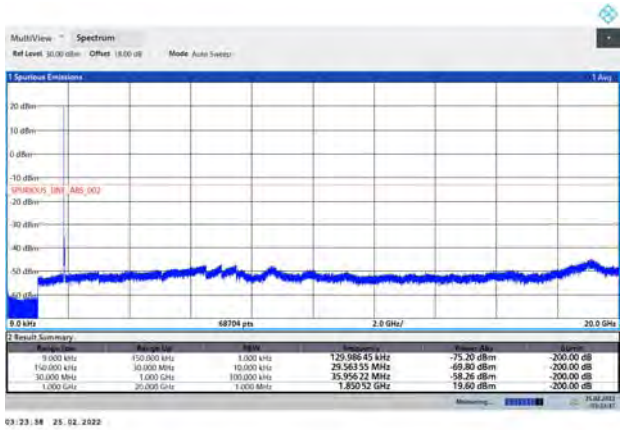
DC_66A_n25A 16QAM 20MHz CH-Middle
9kHz~20GHz

DC_66A_n25A 64QAM 20MHz CH-Middle
9kHz~20GHz

DC_66A_n25A 16QAM 20MHz CH-High
9kHz~20GHz

DC_66A_n25A 64QAM 20MHz CH-High
9kHz~20GHz

DC_66A_n25A 256QAM 20MHz CH-Low
9kHz~20GHz



DC_66A_n25A 256QAM 20MHz CH-Middle
9kHz~20GHz

DC_66A_n25A 256QAM 20MHz CH-High
9kHz~20GHz

6.7. Radiates Spurious Emission

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the emissions below the noise floor will not be recorded in the report.

WCDMA Band II CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3760.00	-63.17	2.60	12.50	Vertical	-53.27	-13.00	40.27	45
3	5640.00	-45.04	3.30	12.50	Vertical	-35.84	-13.00	22.84	90
4	7520.00	-55.74	4.20	12.20	Vertical	-47.74	-13.00	34.74	45
5	9400.00	-51.68	4.30	11.10	Vertical	-44.88	-13.00	31.88	225
6	11280.00	-46.81	5.90	11.90	Vertical	-40.81	-13.00	27.81	315
7	13160.00	-51.06	5.70	14.00	Vertical	-42.76	-13.00	29.76	0
8	15040.00	-51.97	5.80	13.10	Vertical	-44.67	-13.00	31.67	0
9	16920.00	-49.23	6.10	14.60	Vertical	-40.73	-13.00	27.73	45
10	18800.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

LTE Band 2 1.4MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3759.00	-45.78	2.60	12.50	Vertical	-35.88	-13.00	22.88	45
3	5638.88	-58.08	3.30	12.50	Vertical	-48.88	-13.00	35.88	135
4	7520.00	-49.76	4.20	12.20	Vertical	-41.76	-13.00	28.76	225
5	9400.00	-38.83	4.30	11.10	Vertical	-32.03	-13.00	19.03	0
6	11280.00	-43.58	5.90	11.90	Vertical	-37.58	-13.00	24.58	0
7	13160.00	-47.84	5.70	14.00	Vertical	-39.54	-13.00	26.54	45
8	15040.00	-47.22	5.80	13.10	Vertical	-39.92	-13.00	26.92	90
9	16920.00	-54.28	6.10	14.60	Vertical	-45.78	-13.00	32.78	180
10	18800.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

LTE Band 2 5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3755.63	-47.01	2.60	12.50	Vertical	-37.11	-13.00	24.11	45
3	5633.63	-59.54	3.30	12.50	Vertical	-50.34	-13.00	37.34	0
4	7520.00	-49.27	4.20	12.20	Vertical	-41.27	-13.00	28.27	45
5	9400.00	-37.00	4.30	11.10	Vertical	-30.20	-13.00	17.20	135
6	11280.00	-44.85	5.90	11.90	Vertical	-38.85	-13.00	25.85	225
7	13160.00	-48.45	5.70	14.00	Vertical	-40.15	-13.00	27.15	225
8	15040.00	-51.77	5.80	13.10	Vertical	-44.47	-13.00	31.47	0
9	16920.00	-54.57	6.10	14.60	Vertical	-46.07	-13.00	33.07	90
10	18800.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

LTE Band 2 20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3742.13	-47.48	2.60	12.50	Vertical	-37.58	-13.00	24.58	45
3	5613.38	-58.54	3.30	12.50	Vertical	-49.34	-13.00	36.34	135
4	7484.63	-49.53	4.20	12.20	Vertical	-41.53	-13.00	28.53	225
5	9400.00	-37.89	4.30	11.10	Vertical	-31.09	-13.00	18.09	90
6	11280.00	-47.68	5.90	11.90	Vertical	-41.68	-13.00	28.68	180
7	13160.00	-49.21	5.70	14.00	Vertical	-40.91	-13.00	27.91	45
8	15040.00	-51.26	5.80	13.10	Vertical	-43.96	-13.00	30.96	225
9	16920.00	-49.23	6.10	14.60	Vertical	-40.73	-13.00	27.73	0
10	18800.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

NR n2 5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3755.00	-62.19	2.60	12.50	Vertical	-52.29	-13.00	39.29	225
3	5632.50	-61.75	3.30	12.50	Vertical	-52.55	-13.00	39.55	45
4	7510.00	-48.11	4.20	12.20	Vertical	-40.11	-13.00	27.11	315
5	9387.50	-52.62	4.30	11.10	Vertical	-45.82	-13.00	32.82	90
6	11266.60	-41.84	5.90	11.90	Vertical	-35.84	-13.00	22.84	135
7	13142.50	-53.18	5.70	14.00	Vertical	-44.88	-13.00	31.88	225
8	15020.00	-51.65	5.80	13.10	Vertical	-44.35	-13.00	31.35	90
9	16897.50	-50.76	6.10	14.60	Vertical	-42.26	-13.00	29.26	225
10	18775.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

NR n2 10MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3750.00	-62.54	2.60	12.50	Vertical	-52.64	-13.00	39.64	90
3	5625.00	-62.27	3.30	12.50	Vertical	-53.07	-13.00	40.07	225
4	7500.00	-46.77	4.20	12.20	Vertical	-38.77	-13.00	25.77	90
5	9375.00	-51.40	4.30	11.10	Vertical	-44.60	-13.00	31.60	45
6	11250.00	-43.44	5.90	11.90	Vertical	-37.44	-13.00	24.44	315
7	13125.00	-52.49	5.70	14.00	Vertical	-44.19	-13.00	31.19	225
8	15000.00	-52.12	5.80	13.10	Vertical	-44.82	-13.00	31.82	90
9	16875.00	-51.91	6.10	14.60	Vertical	-43.41	-13.00	30.41	180
10	18750.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

NR n2 20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3740.00	-62.03	2.60	12.50	Vertical	-52.13	-13.00	39.13	315
3	5610.00	-63.49	3.30	12.50	Vertical	-54.29	-13.00	41.29	270
4	7480.00	-55.98	4.20	12.20	Vertical	-47.98	-13.00	34.98	225
5	9350.00	-53.33	4.30	11.10	Vertical	-46.53	-13.00	33.53	90
6	11222.60	-44.97	5.90	11.90	Vertical	-38.97	-38.97	25.97	90
7	13090.00	-52.28	5.70	14.00	Vertical	-43.98	-13.00	30.98	0
8	14960.00	-51.76	5.80	13.10	Vertical	-44.46	-13.00	31.46	270
9	16830.00	-50.14	6.10	14.60	Vertical	-41.64	-13.00	28.64	135
10	18700.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

NR n25 5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3760.00	-61.29	2.60	12.50	Vertical	-51.39	-13.00	38.39	0
3	5640.00	-63.70	3.30	12.50	Vertical	-54.50	-13.00	41.50	135
4	7520.00	-44.36	4.20	12.20	Vertical	-36.36	-13.00	23.36	180
5	9400.00	-52.50	4.30	11.10	Vertical	-45.70	-13.00	32.70	90
6	11280.00	-39.52	5.90	11.90	Vertical	-33.52	-13.00	20.52	45
7	13160.00	-52.52	5.70	14.00	Vertical	-44.22	-13.00	31.22	270
8	15040.00	-53.17	5.80	13.10	Vertical	-45.87	-13.00	32.87	90
9	16920.00	-50.69	6.10	14.60	Vertical	-42.19	-13.00	29.19	225
10	18800.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

NR n25 10MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3755.00	-61.86	2.60	12.50	Vertical	-51.96	-13.00	38.96	180
3	5632.50	-65.14	3.30	12.50	Vertical	-55.94	-13.00	42.94	45
4	7510.00	-45.95	4.20	12.20	Vertical	-37.95	-13.00	24.95	225
5	9387.50	-51.72	4.30	11.10	Vertical	-44.92	-13.00	31.92	0
6	11265.00	-40.32	5.90	11.90	Vertical	-34.32	-13.00	21.32	90
7	13142.50	-52.21	5.70	14.00	Vertical	-43.91	-13.00	30.91	90
8	15020.00	-52.41	5.80	13.10	Vertical	-45.11	-13.00	32.11	225
9	16897.50	-49.23	6.10	14.60	Vertical	-40.73	-13.00	27.73	135
10	18775.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

NR n25 20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3745.00	-60.48	2.60	12.50	Vertical	-50.58	-13.00	37.58	45
3	5617.50	-64.55	3.30	12.50	Vertical	-55.35	-13.00	42.35	225
4	7490.00	-48.25	4.20	12.20	Vertical	-40.25	-13.00	27.25	90
5	9362.50	-48.80	4.30	11.10	Vertical	-42.00	-13.00	29.00	180
6	11235.00	-39.71	5.90	11.90	Vertical	-33.71	-13.00	20.71	90
7	13107.50	-52.65	5.70	14.00	Vertical	-44.35	-13.00	31.35	315
8	14980.00	-52.16	5.80	13.10	Vertical	-44.86	-13.00	31.86	90
9	16852.50	-50.56	6.10	14.60	Vertical	-42.06	-13.00	29.06	225
10	18725.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

DC_5A_n2A 5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3755.00	-60.75	2.60	12.50	Horizontal	-50.85	-13.00	37.85	135
3	5632.50	-62.24	3.30	12.50	Horizontal	-53.04	-13.00	40.04	225
4	7510.00	-56.26	4.20	12.20	Horizontal	-48.26	-13.00	35.26	45
5	9387.50	-54.60	4.30	11.10	Horizontal	-47.80	-13.00	34.80	180
6	11265.00	-41.75	5.90	11.90	Horizontal	-35.75	-13.00	22.75	315
7	13142.50	-53.97	5.70	14.00	Horizontal	-45.67	-13.00	32.67	315
8	15020.00	-54.43	5.80	13.10	Horizontal	-47.13	-13.00	34.13	315
9	16897.50	-52.17	6.10	14.60	Horizontal	-43.67	-13.00	30.67	225
10	18775.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

DC_5A_n2A 10MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3750.00	-60.21	2.60	12.50	Horizontal	-50.31	-13.00	37.31	135
3	5625.00	-60.57	3.30	12.50	Horizontal	-51.37	-13.00	38.37	225
4	7500.00	-58.77	4.20	12.20	Horizontal	-50.77	-13.00	37.77	45
5	9375.00	-52.52	4.30	11.10	Horizontal	-45.72	-13.00	32.72	90
6	11250.00	-43.30	5.90	11.90	Horizontal	-37.30	-13.00	24.30	135
7	13125.00	-53.73	5.70	14.00	Horizontal	-45.43	-13.00	32.43	225
8	15000.00	-52.07	5.80	13.10	Horizontal	-44.77	-13.00	31.77	45
9	16875.00	-54.44	6.10	14.60	Horizontal	-45.94	-13.00	32.94	135
10	18750.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

DC_5A_n2A 20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3740.00	-63.56	2.60	12.50	Horizontal	-53.66	-13.00	40.66	0
3	5610.00	-59.20	3.30	12.50	Horizontal	-50.00	-13.00	37.00	45
4	7480.00	-51.59	4.20	12.20	Horizontal	-43.59	-13.00	30.59	0
5	9350.00	-49.10	4.30	11.10	Horizontal	-42.30	-13.00	29.30	0
6	11220.00	-43.01	5.90	11.90	Horizontal	-37.01	-13.00	24.01	135
7	13090.00	-52.26	5.70	14.00	Horizontal	-43.96	-13.00	30.96	225
8	14960.00	-48.39	5.80	13.10	Horizontal	-41.09	-13.00	28.09	315
9	16830.00	-49.16	6.10	14.60	Horizontal	-40.66	-13.00	27.66	45
10	18700.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

DC_12A_n2A 5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3755.00	-62.48	2.60	12.50	Horizontal	-52.58	-13.00	39.58	0
3	5632.50	-62.38	3.30	12.50	Horizontal	-53.18	-13.00	40.18	0
4	7510.00	-54.40	4.20	12.20	Horizontal	-46.40	-13.00	33.40	180
5	9387.50	-51.84	4.30	11.10	Horizontal	-45.04	-13.00	32.04	315
6	11265.00	-46.69	5.90	11.90	Horizontal	-40.69	-13.00	27.69	225
7	13142.50	-52.29	5.70	14.00	Horizontal	-43.99	-13.00	30.99	45
8	15020.00	-50.25	5.80	13.10	Horizontal	-42.95	-13.00	29.95	135
9	16897.50	-48.88	6.10	14.60	Horizontal	-40.38	-13.00	27.38	225
10	18775.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

DC_12A_n2A 10MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3750.00	-62.20	2.60	12.50	Horizontal	-52.30	-13.00	39.30	135
3	5625.00	-61.64	3.30	12.50	Horizontal	-52.44	-13.00	39.44	225
4	7500.00	-56.65	4.20	12.20	Horizontal	-48.65	-13.00	35.65	45
5	9375.00	-48.55	4.30	11.10	Horizontal	-41.75	-13.00	28.75	135
6	11250.00	-45.11	5.90	11.90	Horizontal	-39.11	-13.00	26.11	225
7	13125.00	-52.76	5.70	14.00	Horizontal	-44.46	-13.00	31.46	45
8	15000.00	-50.91	5.80	13.10	Horizontal	-43.61	-13.00	30.61	135
9	16875.00	-52.60	6.10	14.60	Horizontal	-44.10	-13.00	31.10	225
10	18750.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

DC_12A_n2A 20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3740.00	-61.83	2.60	12.50	Horizontal	-51.93	-13.00	38.93	135
3	5610.00	-59.01	3.30	12.50	Horizontal	-49.81	-13.00	36.81	225
4	7480.00	-59.27	4.20	12.20	Horizontal	-51.27	-13.00	38.27	45
5	9350.00	-48.81	4.30	11.10	Horizontal	-42.01	-13.00	29.01	135
6	11220.00	-44.36	5.90	11.90	Horizontal	-38.36	-13.00	25.36	225
7	13090.00	-48.65	5.70	14.00	Horizontal	-40.35	-13.00	27.35	45
8	14960.00	-50.31	5.80	13.10	Horizontal	-43.01	-13.00	30.01	135
9	16830.00	-52.07	6.10	14.60	Horizontal	-43.57	-13.00	30.57	225
10	18700.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

DC_66A_n2A 10MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3755.00	-63.69	2.60	12.50	Horizontal	-53.79	-13.00	40.79	0
3	5632.50	-64.05	3.30	12.50	Horizontal	-54.85	-13.00	41.85	0
4	7510.00	-55.87	4.20	12.20	Horizontal	-47.87	-13.00	34.87	225
5	9387.50	-46.21	4.30	11.10	Horizontal	-39.41	-13.00	26.41	45
6	11265.00	-46.19	5.90	11.90	Horizontal	-40.19	-13.00	27.19	180
7	13142.50	-52.44	5.70	14.00	Horizontal	-44.14	-13.00	31.14	315
8	15020.00	-52.59	5.80	13.10	Horizontal	-45.29	-13.00	32.29	225
9	16897.50	-53.62	6.10	14.60	Horizontal	-45.12	-13.00	32.12	0
10	18775.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

DC_66A_n2A 15MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3750.00	-60.02	2.60	12.50	Horizontal	-50.12	-13.00	37.12	0
3	5625.00	-62.40	3.30	12.50	Horizontal	-53.20	-13.00	40.20	180
4	7500.00	-55.59	4.20	12.20	Horizontal	-47.59	-13.00	34.59	90
5	9375.00	-47.48	4.30	11.10	Horizontal	-40.68	-13.00	27.68	90
6	11250.00	-45.18	5.90	11.90	Horizontal	-39.18	-13.00	26.18	90
7	13125.00	-52.35	5.70	14.00	Horizontal	-44.05	-13.00	31.05	180
8	15000.00	-51.40	5.80	13.10	Horizontal	-44.10	-13.00	31.10	180
9	16875.00	-49.14	6.10	14.60	Horizontal	-40.64	-13.00	27.64	135
10	18750.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

DC_66A_n2A 20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3740.00	-63.71	2.60	12.50	Horizontal	-53.81	-13.00	40.81	45
3	5610.00	-60.81	3.30	12.50	Horizontal	-51.61	-13.00	38.61	135
4	7480.00	-58.99	4.20	12.20	Horizontal	-50.99	-13.00	37.99	45
5	9350.00	-48.83	4.30	11.10	Horizontal	-42.03	-13.00	29.03	135
6	11220.00	-39.99	5.90	11.90	Horizontal	-33.99	-13.00	20.99	225
7	13090.00	-47.90	5.70	14.00	Horizontal	-39.60	-13.00	26.60	45
8	14960.00	-49.82	5.80	13.10	Horizontal	-42.52	-13.00	29.52	135
9	16830.00	-52.15	6.10	14.60	Horizontal	-43.65	-13.00	30.65	225
10	18700.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

DC_66A_n25A 5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3760.00	-63.65	2.60	12.50	Horizontal	-53.75	-13.00	40.75	45
3	5640.00	-65.75	3.30	12.50	Horizontal	-56.55	-13.00	43.55	270
4	7520.00	-58.17	4.20	12.20	Horizontal	-50.17	-13.00	37.17	45
5	9400.00	-54.07	4.30	11.10	Horizontal	-47.27	-13.00	34.27	225
6	11280.00	-50.59	5.90	11.90	Horizontal	-44.59	-13.00	31.59	90
7	13160.00	-53.22	5.70	14.00	Horizontal	-44.92	-13.00	31.92	45
8	15040.00	-51.23	5.80	13.10	Horizontal	-43.93	-13.00	30.93	315
9	16920.00	-50.96	6.10	14.60	Horizontal	-42.46	-13.00	29.46	90
10	18800.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

DC_66A_n25A 10MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3755.00	-61.62	2.60	12.50	Horizontal	-51.72	-13.00	38.72	90
3	5632.50	-62.46	3.30	12.50	Horizontal	-53.26	-13.00	40.26	45
4	7510.00	-51.21	4.20	12.20	Horizontal	-43.21	-13.00	30.21	270
5	9387.50	-50.05	4.30	11.10	Horizontal	-43.25	-13.00	30.25	90
6	11265.00	-39.92	5.90	11.90	Horizontal	-33.92	-13.00	20.92	45
7	13142.50	-51.30	5.70	14.00	Horizontal	-43.00	-13.00	30.00	225
8	15020.00	-52.86	5.80	13.10	Horizontal	-45.56	-13.00	32.56	90
9	16897.50	-49.62	6.10	14.60	Horizontal	-41.12	-13.00	28.12	135
10	18775.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

DC_66A_n25A 20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3745.00	-62.86	2.60	12.50	Horizontal	-52.96	-13.00	39.96	270
3	5617.50	-63.62	3.30	12.50	Horizontal	-54.42	-13.00	41.42	90
4	7490.00	-48.49	4.20	12.20	Horizontal	-40.49	-13.00	27.49	225
5	9362.50	-47.96	4.30	11.10	Horizontal	-41.16	-13.00	28.16	180
6	11235.00	-40.53	5.90	11.90	Horizontal	-34.53	-13.00	21.53	45
7	13107.50	-52.23	5.70	14.00	Horizontal	-43.93	-13.00	30.93	315
8	14980.00	-50.95	5.80	13.10	Horizontal	-43.65	-13.00	30.65	90
9	16852.50	-49.68	6.10	14.60	Horizontal	-41.18	-13.00	28.18	225
10	18725.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

7. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Base Station Simulator	R&S	CMW500	113645	2021-05-15	2022-05-14
Base Station Simulator	Anritsu	MT8000A	6261844783	2021-05-15	2022-05-14
Base Station Simulator	Anritsu	MT8821C	6201538758	2021-05-15	2022-05-14
Climate Chamber	WEISS	VT 4002	58226119450010	2021-05-15	2022-05-14
Spectrum Analyzer	Keysight	N9020A	MY52330084	2021-05-15	2022-05-14
Universal Radio Communication Tester	Agilent	E5515C	GB44400275	2021-05-15	2022-05-14
Universal Radio Communication Tester	StarPoint	SP9500	SP9500-20440	2021-05-15	2022-05-14
Signal Analyzer	R&S	FSV3030	101411	2021-12-12	2022-12-11
Signal Analyzer	R&S	FSV30	104028	2021-05-15	2022-05-14
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	01111	2019--9-12	2022-09-11
Horn Antenna	Schwarzbeck	BBHA 9120D	1594	2020-12-17	2023-12-16
Software	R&S	EMC32	10.35.10	/	/

********END OF REPORT ********

ANNEX A: The EUT Appearance

The EUT Appearance is submitted separately.

ANNEX B: Test Setup Photos

The Test Setup Photos is submitted separately.