



FCC PART 27
FCC PART 22H, PART 24E
TEST REPORT

For

Evolve 3 Holdings Pty Ltd

PO BOX 6222, NARRAWEENA NSW, Australia, 2099

FCC ID:2AWLG-MEB116

Report Type: Original Report	Product Type: Maestro EBook
Report Number: RSZ200529002-00D	
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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product	Maestro EBook
Model	Maestro-EBook11
Frequency Range	WCDMA Band 2: 1850-1910 MHz(TX); 1930-1990 MHz(RX) WCDMA Band 5: 824-849 MHz(TX); 869-894 MHz(RX) LTE Band 2: 1850-1910 MHz(TX); 1930-1990 MHz(RX) LTE Band 4: 1710-1755 MHz(TX); 2110-2155 MHz(RX) LTE Band 5: 824-849 MHz(TX); 869-894 MHz(RX) LTE Band 12: 699-716MHz(TX); 729-746MHz(RX) LTE Band 13: 777-787 MHz(TX); 746-756 MHz(RX) LTE Band 66: 1710-1780MHz(TX); 2100-2200MHz(RX) LTE Band 71: 663-698 MHz(TX); 617-652 MHz(RX)
Maximum Target Output Power	WCDMA Band 2: 25dBm WCDMA Band 5: 25dBm LTE Band 2: 25dBm LTE Band 4: 25dBm LTE Band 5: 25dBm LTE Band 12: 25dBm LTE Band 13: 25dBm LTE Band 66: 25dBm LTE Band 71: 25dBm
Modulation Technique	3G: BPSK, QPSK, 16QAM 4G: QPSK, 16QAM
Antenna Specification	FPC Antennas
Voltage Range	DC 7.6V from battery or DC 12.0V from adapter
Date of Test	2020-07-09 to 2020-08-10
Sample serial number	RSZ200529002-RF-S1 (Assigned by BA CL, Shenzhen)
Received date	2020-05-29
Sample/EUT Status	Good condition
Adapter information	Model: SAW30A-120-2000U Input: AC 100-240V, 50/60Hz, 0.8A Output: DC 12.0V, 2000mA

Objective

This test report is prepared on behalf of *Evolve 3 Holdings Pty Ltd* in accordance with Part 2-Subpart J, Part 22-Subpart H and Part 24-Subpart E and Subpart 27 of the Federal Communication Commissions rules.

The objective is to determine the compliance of the EUT with FCC rules for output power, modulation characteristic, occupied bandwidth, and spurious emission at antenna terminal, spurious radiated emission, frequency stability and band edge.

Related Submittal(s)/Grant(s)

FCC Part 15.247 DSS & DTS submissions with FCC ID: 2AWLG-MEB116.

Test Methodology

All tests and measurements indicated in this document were performed in accordance with the Code of Federal Regulations Title 47 Part 2-Subpart J as well as the following parts:

Part 22 Subpart H - Public Mobile Services
Part 24 Subpart E - Personal Communication Services
Part 27 – Miscellaneous wireless communications services

Applicable Standards: TIA-603-E.

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		±5%
RF output power, conducted		±0.73dB
Unwanted Emission, conducted		±1.6dB
Emissions, Radiated	Below 1GHz	±4.75dB
	Above 1GHz	±4.88dB
Temperature		±1°C
Humidity		±6%
Supply voltages		±0.4%

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 6/F., West Wing, Third Phase of Wanli Industrial Building, Shihua Road, Futian Free Trade Zone, Shenzhen, Guangdong, China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No.: 342867, the FCC Designation No.: CN1221.

The test site has been registered with ISED Canada under ISED Canada Registration Number 3062B.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The EUT was configured for testing according to TIA-603-E.

The final qualification test was performed with the EUT operating at normal mode.

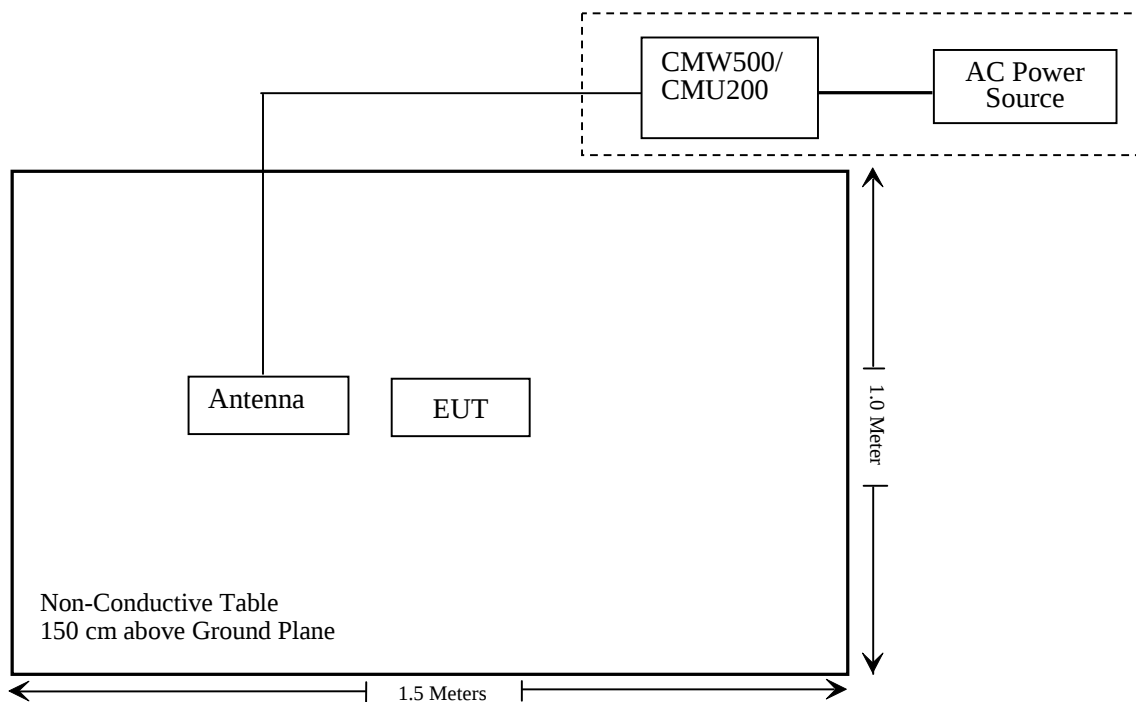
Equipment Modifications

No modification was made to the EUT.

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	1201.002K50-116218-UY
Rohde & Schwarz	Universal Radio Communication Tester	CMU200	110605

Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§ 1.1307 , §2.1093	RF Exposure (SAR)	Compliance*
§2.1046; § 22.913 (a); § 24.232 (c); §27.50 (d) (h)	RF Output Power	Compliance
§ 2.1047	Modulation Characteristics	Not Applicable
§ 2.1049; § 22.905; § 22.917; § 24.238; §27.53	Occupied Bandwidth	Compliance**
§ 2.1051; § 22.917 (a); § 24.238 (a); §27.53	Spurious Emissions at Antenna Terminal	Compliance**
§ 2.1053; § 22.917 (a); § 24.238 (a); §27.53	Field Strength of Spurious Radiation	Compliance
§ 22.917 (a); § 24.238 (a); §27.53(h) (m)	Band Edge	Compliance**
§ 2.1055; § 22.355; § 24.235; §27.54;	Frequency stability	Compliance**
KDB484596 D01	Spot-check Test Data	Compliance***

Compliance*: Please refer to SAR report released by BACL, report number: RSZ200529002-SA.

Compliance**: The EUT has a LTE modular which the RF section is same as the certified LTE modular (FCC ID: 2AWLG201808EC25AF). Please refer to the attestation letter for the details.

Compliance***: the test data within the tune-up tolerance range of the EUT.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test					
R&S	EMI Test Receiver	ESR3	102455	2020/7/9	2021/7/8
Sonoma instrument	Pre-amplifier	310 N	186238	2020/4/20	2021/4/20
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2017/12/22	2020/12/21
COM-POWER	Dipole Antenna	AD-100	721027	NCR	NCR
Unknown	Cable 2	RF Cable 2	F-03-EM197	2019/11/29	2020/11/28
Unknown	Cable	Chamber Cable 1	F-03-EM236	2019/11/29	2020/11/28
Rohde & Schwarz	Spectrum Analyzer	FSV40-N	102259	2019/7/22	2020/07/21
COM-POWER	Pre-amplifier	PA-122	181919	2019/11/29	2020/11/28
Quinstar	Amplifier	QLW-18405536-J0	15964001002	2019/11/29	2020/11/28
Sunol Sciences	Horn Antenna	DRH-118	A052604	2017/12/22	2020/12/21
A.H.System	Horn Antenna	SAS-200/571	135	2018/9/1	2021/8/31
Insulated Wire Inc.	RF Cable	SPS-2503-3150	02222010	2019/11/29	2020/11/28
Unknown	RF Cable	W1101-EQ1 OUT	F-19-EM005	2019/11/29	2020/11/28
MICRO-TRONICS	Passband filter	HPM50111	F-19-EM006	2020/4/20	2021/4/20
Unknown	High Pass filter	1.3GHz	101120	2020/4/20	2021/4/20
Rohde & Schwarz	Wideband Radio Communication Tester	CMU200	106891	2019/9/12	2020/9/11
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	1201.002K50-146520-wh	2020/7/9	2021/7/8
Agilent	Signal Generator	N5183A	MY51040755	2019/12/4	2020/12/4
RF Conducted Test					
Rohde & Schwarz	SPECTRUM ANALYZER	FSU26	200120	2020/3/1	2021/3/1
WEINSCHL	3dB Attenuator	Unknown	F-03-EM121	2019/11/29	2020/11/28
Unknown	RF Cable	Unknown	2301 276	2019/11/29	2020/11/28
Unknown	RF Cable	Unknown	0501 067	2019/11/29	2020/11/28
Weinschel	Power divider	1515	RH386	2020/4/20	2021/4/20
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	1201.002K50-146520-wh	2020/7/9	2021/7/8

* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC §1.1307(b) & §2.1093 - RF EXPOSURE INFORMATION

Applicable Standard

FCC§1.1310 and §2.1093.

Test Result

Compliance, please refer to the SAR report: RSZ200529002-SA

FCC § 2.1046, § 22.913 (a) & § 24.232 (c); §27.50 (d) (h) - RF OUTPUT POWER

Applicable Standard

According to FCC §2.1046 and §22.913 (a), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC §2.1046 and §24.232 (C), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

Rule Part 27.50(b) (10) specifies that "Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP"

Rule Part 27.50(c) (10) specifies that "Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP"

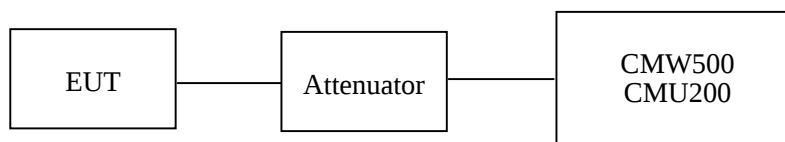
Rule Part 27.50(d) (4) specifies that "Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP."

Part 27.50(b)(10)Limit	≤ 3 W (34.77 dBm)
Part 27.50(c)(10)Limit	≤ 3 W (34.77 dBm)
Part 27.50(d)(4)Limit	≤ 1 W (30 dBm)

Test Procedure

Conducted method:

The RF output of the transmitter was connected to the CMW500/CMU200 through sufficient attenuation.



Radiated method:

TIA-603-E section 2.2.17

Test Data

Environmental Conditions

Temperature:	24~25 °C
Relative Humidity:	52~56 %
ATM Pressure:	101.0 kPa

The testing was performed by Leo Huang on 2020-07-16.

Radiated Power**WCDMA Mode:**

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (m)	Polar (H/V)	Level (dBm)	Cable loss (dB)	Antenna Gain (dBd/dBi)			
ERP for WCDMA Band V (Part 22H), Middle Channel										
836.6	83.35	176	1.9	H	23.4	1.90	0.0	21.50	38.45	16.95
836.6	80.56	104	1.3	V	21.2	1.90	0.0	19.30	38.45	19.15
EIRP for WCDMA Band II (Part 24E), Middle Channel										
1880.00	86.07	60	1.5	H	16.4	1.30	9.40	24.50	33	8.5
1880.00	77.73	97	2.0	V	7.8	1.30	9.40	15.90	33	17.1

Note:

Absolute Level = Substituted Level - Cable loss + Antenna Gain

Margin = Limit- Absolute Level

dBd is for the ERP, dBi is for EIRP.

LTE Band 2:**QPSK:**

Frequency (MHz)	Receiver Reading (dBμV)	Turn table Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBi)		
Middle Channel									
1.4 MHz Bandwidth									
1880.00	84.45	174	2.2	H	14.8	1.30	9.40	22.90	33
1880.00	83.17	271	1.6	V	13.3	1.30	9.40	21.40	33
3 MHz Bandwidth									
1880.00	83.24	58	2.1	H	13.6	1.30	9.40	21.70	33
1880.00	81.99	67	1.2	V	12.1	1.30	9.40	20.20	33
5 MHz Bandwidth									
1880.00	82.66	208	2.3	H	13.0	1.30	9.40	21.10	33
1880.00	82.73	304	1.0	V	12.8	1.30	9.40	20.90	33
10 MHz Bandwidth									
1880.00	82.35	112	2.2	H	12.7	1.30	9.40	20.80	33
1880.00	82.01	360	2.5	V	12.1	1.30	9.40	20.20	33
15 MHz Bandwidth									
1880.00	84.21	251	1.9	H	14.2	1.30	8.50	21.40	33
1880.00	83.26	275	2.4	V	13.0	1.30	8.50	20.20	33
20 MHz Bandwidth									
1880.00	85.32	216	1.4	H	15.3	1.30	8.50	22.50	33
1880.00	84.01	151	1.7	V	13.7	1.30	8.50	20.90	33

16QAM:

Frequency (MHz)	Receiver Reading (dBμV)	Turn table Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBi)		
Middle Channel									
1.4 MHz Bandwidth									
1880.00	84.42	315	1.9	H	14.7	1.30	9.40	22.80	33
1880.00	82.93	206	1.3	V	13.0	1.30	9.40	21.10	33
3 MHz Bandwidth									
1880.00	83.54	113	2.3	H	13.9	1.30	9.40	22.00	33
1880.00	83.02	203	1.9	V	13.1	1.30	9.40	21.20	33
5 MHz Bandwidth									
1880.00	85.64	224	2.3	H	15.6	1.30	8.50	22.80	33
1880.00	84.21	72	1.8	V	13.9	1.30	8.50	21.10	33
10 MHz Bandwidth									
1880.00	84.21	350	1.4	H	14.2	1.30	8.50	21.40	33
1880.00	84.26	324	1.9	V	14.0	1.30	8.50	21.20	33
15 MHz Bandwidth									
1880.00	85.42	141	1.1	H	15.4	1.30	8.50	22.60	33
1880.00	84.12	96	2.3	V	13.9	1.30	8.50	21.10	33
20 MHz Bandwidth									
1880.00	86.21	318	1.8	H	16.2	1.30	8.50	23.40	33
1880.00	85.14	117	2.0	V	14.9	1.30	8.50	22.10	33

LTE Band 4:**QPSK:**

Frequency (MHz)	Receiver Reading (dBμV)	Turn table Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBi)		
Middle Channel									
1.4 MHz Bandwidth									
1732.50	86.24	226	1.9	H	13.1	1.30	9.10	20.90	30
1732.50	85.98	52	2.1	V	13.4	1.30	9.10	21.20	30
3 MHz Bandwidth									
1732.50	85.47	236	1.2	H	12.3	1.30	9.10	20.10	30
1732.50	86.52	351	2.0	V	14.0	1.30	9.10	21.80	30
5 MHz Bandwidth									
1732.50	85.74	329	1.8	H	12.6	1.30	9.10	20.40	30
1732.50	85.01	149	1.4	V	12.4	1.30	9.10	20.20	30
10 MHz Bandwidth									
1732.50	85.69	259	1.3	H	12.5	1.30	9.10	20.30	30
1732.50	84.71	239	2.2	V	12.1	1.30	9.10	19.90	30
15 MHz Bandwidth									
1732.50	86.21	315	2.1	H	13.0	1.30	9.10	20.80	30
1732.50	84.79	107	1.0	V	12.2	1.30	9.10	20.00	30
20 MHz Bandwidth									
1732.50	86.44	205	2.3	H	13.3	1.30	9.10	21.10	30
1732.50	85.01	186	1.3	V	12.4	1.30	9.10	20.20	30

16QAM:

Frequency (MHz)	Receiver Reading (dBμV)	Turn table Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBi)		
Middle Channel									
1.4 MHz Bandwidth									
1732.50	87.42	211	1.3	H	14.3	1.30	9.10	22.10	30
1732.50	86.21	264	1.8	V	13.6	1.30	9.10	21.40	30
3 MHz Bandwidth									
1732.50	88.08	245	1.8	H	14.9	1.30	9.10	22.70	30
1732.50	87.11	318	1.1	V	14.5	1.30	9.10	22.30	30
5 MHz Bandwidth									
1732.50	87.66	25	2.0	H	14.5	1.30	9.10	22.30	30
1732.50	87.04	69	1.9	V	14.5	1.30	9.10	22.30	30
10 MHz Bandwidth									
1732.50	88.54	280	2.3	H	15.4	1.30	9.10	23.20	30
1732.50	87.23	350	2.0	V	14.7	1.30	9.10	22.50	30
15 MHz Bandwidth									
1732.50	87.96	72	1.4	H	14.8	1.30	9.10	22.60	30
1732.50	86.85	140	2.5	V	14.3	1.30	9.10	22.10	30
20 MHz Bandwidth									
1732.50	87.54	51	1.4	H	14.4	1.30	9.10	22.20	30
1732.50	86.12	34	1.3	V	13.6	1.30	9.10	21.40	30

LTE Band 5:**QPSK:**

Frequency (MHz)	Receiver Reading (dBμV)	Turn table Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd)		
Middle Channel									
1.4 MHz Bandwidth									
836.5	84.09	264	1.1	H	24.1	1.90	0.0	22.20	38.45
836.5	82.93	53	2.1	V	23.6	1.90	0.0	21.70	38.45
3 MHz Bandwidth									
836.5	83.82	311	1.5	H	23.8	1.90	0.0	21.90	38.45
836.5	82.67	335	1.2	V	23.3	1.90	0.0	21.40	38.45
5 MHz Bandwidth									
836.5	82.51	198	1.4	H	23.1	1.90	0.0	21.20	38.45
836.5	80.74	337	2.2	V	20.7	1.90	0.0	18.80	38.45
10 MHz Bandwidth									
836.5	82.46	329	1.9	H	23.1	1.90	0.0	21.20	38.45
836.5	80.63	278	1.5	V	20.6	1.90	0.0	18.70	38.45

16QAM:

Frequency (MHz)	Receiver Reading (dBμV)	Turn table Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd)		
Middle Channel									
1.4 MHz Bandwidth									
836.5	82.46	313	1.7	H	23.1	1.90	0.0	21.20	38.45
836.5	81.23	232	1.8	V	21.2	1.90	0.0	19.30	38.45
3 MHz Bandwidth									
836.5	82.23	212	1.2	H	22.9	1.90	0.0	21.00	38.45
836.5	81.98	23	1.2	V	22.0	1.90	0.0	20.10	38.45
5 MHz Bandwidth									
836.5	81.36	81	1.7	H	22.0	1.90	0.0	20.10	38.45
836.5	80.98	155	2.4	V	21.0	1.90	0.0	19.10	38.45
10 MHz Bandwidth									
836.5	82.14	81	2.0	H	22.8	1.90	0.0	20.90	38.45
836.5	81.14	266	1.8	V	21.1	1.90	0.0	19.20	38.45

LTE Band 12:**QPSK:**

Frequency (MHz)	Receiver Reading (dBμV)	Turn table Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd)		
Middle Channel									
1.4 MHz Bandwidth									
707.5	82.36	81	1.2	H	23.0	1.56	0.0	21.44	34.77
707.5	81.24	111	2.1	V	21.2	1.56	0.0	19.64	34.77
3 MHz Bandwidth									
707.5	81.96	81	1.7	H	22.6	1.56	0.0	21.04	34.77
707.5	80.78	110	1.5	V	20.8	1.56	0.0	19.24	34.77
5 MHz Bandwidth									
707.5	81.45	81	1.3	H	22.1	1.56	0.0	20.54	34.77
707.5	80.69	343	1.4	V	20.7	1.56	0.0	19.14	34.77
10 MHz Bandwidth									
707.5	82.03	81	2.0	H	22.7	1.56	0.0	21.14	34.77
707.5	81.63	155	2.1	V	21.6	1.56	0.0	20.04	34.77

16QAM:

Frequency (MHz)	Receiver Reading (dBμV)	Turn table Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd)		
Middle Channel									
1.4 MHz Bandwidth									
707.5	81.69	81	1.6	H	22.3	1.56	0.0	20.74	34.77
707.5	80.78	283	2.2	V	20.8	1.56	0.0	19.24	34.77
3 MHz Bandwidth									
707.5	82.12	81	1.7	H	22.7	1.56	0.0	21.14	34.77
707.5	82.01	281	1.2	V	22.0	1.56	0.0	20.44	34.77
5 MHz Bandwidth									
707.5	82.42	81	2.5	H	23.0	1.56	0.0	21.44	34.77
707.5	81.14	33	1.4	V	21.1	1.56	0.0	19.54	34.77
10 MHz Bandwidth									
707.5	82.19	81	1.1	H	22.8	1.56	0.0	21.24	34.77
707.5	81.97	295	1.1	V	22.0	1.56	0.0	20.44	34.77

LTE Band 13:**QPSK:**

Frequency (MHz)	Receiver Reading (dBμV)	Turn table Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd)		
Middle Channel									
5 MHz Bandwidth									
782	81.47	245	1.5	H	22.1	1.68	0.0	20.42	34.77
782	82.01	72	1.2	V	22.0	1.68	0.0	20.32	34.77
10 MHz Bandwidth									
782	82.23	257	2.2	H	22.9	1.68	0.0	21.22	34.77
782	81.75	360	1.2	V	21.8	1.68	0.0	20.12	34.77

16QAM:

Frequency (MHz)	Receiver Reading (dBμV)	Turn table Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd)		
Middle Channel									
5 MHz Bandwidth									
782	84.11	120	2.0	H	22.8	1.68	0.0	21.12	34.77
782	82.29	240	1.2	V	20.8	1.68	0.0	19.12	34.77
10 MHz Bandwidth									
782	82.13	219	2.2	H	22.8	1.68	0.0	21.12	34.77
782	80.99	311	1.5	V	21.0	1.68	0.0	19.32	34.77

LTE Band 66:**QPSK:**

Frequency (MHz)	Receiver Reading (dBμV)	Turn table Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBi)		
Middle Channel									
1.4 MHz Bandwidth									
1745.00	87.45	172	1.5	H	14.3	1.30	9.10	22.10	30
1745.00	86.23	189	1.7	V	13.7	1.30	9.10	21.50	30
3 MHz Bandwidth									
1745.00	87.56	171	2.2	H	14.4	1.30	9.10	22.20	30
1745.00	85.47	293	1.8	V	12.9	1.30	9.10	20.70	30
5 MHz Bandwidth									
1745.00	86.69	277	1.3	H	13.5	1.30	9.10	21.30	30
1745.00	85.47	221	1.5	V	12.9	1.30	9.10	20.70	30
10 MHz Bandwidth									
1745.00	87.01	14	1.5	H	13.8	1.30	9.10	21.60	30
1745.00	86.36	130	1.1	V	13.8	1.30	9.10	21.60	30
15 MHz Bandwidth									
1745.00	87.21	4	2.0	H	14.0	1.30	9.10	21.80	30
1745.00	86.59	354	2.3	V	14.0	1.30	9.10	21.80	30
20 MHz Bandwidth									
1745.00	86.96	37	2.0	H	13.8	1.30	9.10	21.60	30
1745.00	85.24	288	2.3	V	12.7	1.30	9.10	20.50	30

16QAM:

Frequency (MHz)	Receiver Reading (dBμV)	Turn table Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBi)		
Middle Channel									
1.4 MHz Bandwidth									
1745.00	87.12	56	2.0	H	14.0	1.30	9.10	21.80	30
1745.00	86.21	130	1.5	V	13.6	1.30	9.10	21.40	30
3 MHz Bandwidth									
1745.00	88.23	128	1.5	H	15.1	1.30	9.10	22.90	30
1745.00	86.32	250	2.3	V	13.8	1.30	9.10	21.60	30
5 MHz Bandwidth									
1745.00	87.14	351	2.0	H	14.0	1.30	9.10	21.80	30
1745.00	86.06	356	1.8	V	13.5	1.30	9.10	21.30	30
10 MHz Bandwidth									
1745.00	88.12	54	1.6	H	15.0	1.30	9.10	22.80	30
1745.00	85.06	349	1.1	V	12.5	1.30	9.10	20.30	30
15 MHz Bandwidth									
1745.00	87.42	227	1.1	H	14.3	1.30	9.10	22.10	30
1745.00	85.41	28	1.0	V	12.8	1.30	9.10	20.60	30
20 MHz Bandwidth									
1745.00	87.31	296	1.0	H	14.1	1.30	9.10	21.90	30
1745.00	86.08	249	1.9	V	13.5	1.30	9.10	21.30	30

LTE Band 71:**QPSK:**

Frequency (MHz)	Receiver Reading (dBμV)	Turn table Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd)		
Middle Channel									
5 MHz Bandwidth									
680.5	82.14	234	2.2	H	22.8	1.56	0.0	21.24	34.77
680.5	81.21	34	1.5	V	21.2	1.56	0.0	19.64	34.77
10 MHz Bandwidth									
680.5	81.96	182	1.8	H	22.6	1.56	0.0	21.04	34.77
680.5	80.78	131	2.4	V	20.8	1.56	0.0	19.24	34.77
15 MHz Bandwidth									
680.5	81.86	1	2.1	H	22.5	1.56	0.0	20.94	34.77
680.5	80.75	220	2.2	V	20.8	1.56	0.0	19.24	34.77
20 MHz Bandwidth									
680.5	82.46	67	1.8	H	23.1	1.56	0.0	21.54	34.77
680.5	81.56	112	1.2	V	21.6	1.56	0.0	20.04	34.77

16QAM:

Frequency (MHz)	Receiver Reading (dBμV)	Turn table Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd)		
Middle Channel									
5 MHz Bandwidth									
680.5	82.13	164	2.3	H	22.8	1.56	0.0	21.24	34.77
680.5	81.45	111	2.0	V	21.5	1.56	0.0	19.94	34.77
10 MHz Bandwidth									
680.5	81.96	85	2.2	H	22.6	1.56	0.0	21.04	34.77
680.5	80.85	276	2.3	V	20.9	1.56	0.0	19.34	34.77
15 MHz Bandwidth									
680.5	82.13	223	2.0	H	22.8	1.56	0.0	21.24	34.77
680.5	81.45	92	2.1	V	21.5	1.56	0.0	19.94	34.77
20 MHz Bandwidth									
680.5	81.78	20	1.4	H	22.4	1.56	0.0	20.84	34.77
680.5	80.67	217	2.0	V	20.7	1.56	0.0	19.14	34.77

Note:

All above data were tested with no amplifier

Absolute Level = Substituted Level - Cable loss + Antenna Gain

Margin = Limit- Absolute Level

FCC § 2.1053; § 22.917 (a); § 24.238 (a); § 27.53 SPURIOUS RADIATED EMISSIONS

Applicable Standard

FCC § 2.1053, § 22.917(a) and § 24.238(a) and § 27.53

Test Procedure

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the receiving antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

Test Data**Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	52 %
ATM Pressure:	101.0 kPa

The testing was performed by Harris He on 2020-07-17 for below 1GHz and Leven Gan on 2020-07-09 for above 1GHz.

EUT operation mode: Transmitting

30 MHz ~ 20 GHz:

Pre-scan with Low, Middle and High channel, the worst case as below:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	FCC Part 22H	
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)		Limit (dBm)	Margin (dB)
WCDMA Mode Band V, Middle channel										
958.4	37.26	190	2.5	H	-63.3	1.37	0.0	-64.67	-13	51.67
958.4	38.35	279	1.3	V	-61.0	1.37	0.0	-62.37	-13	49.37
1673.20	46.41	232	1.6	H	-59.9	1.30	8.90	-52.30	-13	39.3
1673.20	44.84	272	1.2	V	-60.9	1.30	8.90	-53.30	-13	40.3
2509.80	47.42	176	1.5	H	-55.9	2.60	10.20	-48.30	-13	35.3
2509.80	45.33	28	2.4	V	-57.4	2.60	10.20	-49.80	-13	36.8
3346.40	42.54	261	2.2	H	-58.4	1.50	11.70	-48.20	-13	35.2
3346.40	43.71	222	2.1	V	-57.2	1.50	11.70	-47.00	-13	34.0

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	FCC Part 24E	
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)		Limit (dBm)	Margin (dB)
WCDMA Mode Band II, Middle channel										
960.2	37.49	170	1.4	H	-63.1	1.37	0.0	-64.47	-13	51.47
960.2	38.65	172	1.5	V	-60.7	1.37	0.0	-62.07	-13	49.07
3760.00	47.52	62	1.0	H	-54.9	1.50	11.80	-44.60	-13	31.6
3760.00	45.40	344	1.3	V	-56.5	1.50	11.80	-46.20	-13	33.2

LTE Band: (Pre-scan with all the bandwidths, and worse case is lowest bandwidth QPSK mode as below)

Frequency	Receiver	Turntable	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
(MHz)	Reading (dBμV)	Angle Degree	Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
Band 2, Middle channel										
957.4	37.34	335	2.4	H	-63.3	1.37	0.0	-64.67	-13	51.67
957.4	38.26	316	1.5	V	-61.1	1.37	0.0	-62.47	-13	49.47
3760.00	42.47	235	1.9	H	-59.6	1.50	11.80	-49.30	-13	36.3
3760.00	43.11	259	2.0	V	-58.5	1.50	11.80	-48.20	-13	35.2
Band 4, Middle channel										
949.3	37.25	234	2.2	H	-63.3	1.37	0.0	-64.67	-13	51.67
949.3	38.18	230	1.8	V	-61.2	1.37	0.0	-62.57	-13	49.57
3465.00	43.41	86	2.2	H	-57.3	1.50	12.00	-46.80	-13	33.8
3465.00	42.96	7	2.0	V	-58.5	1.50	12.00	-48.00	-13	35.0
Band 5, Middle channel										
952.1	37.35	211	1.1	H	-63.2	1.37	0.0	-64.57	-13	51.57
952.1	38.42	262	2.1	V	-60.9	1.37	0.0	-62.27	-13	49.27
1673.00	44.21	280	1.6	H	-62.1	1.30	8.90	-54.50	-13	41.5
1673.00	42.98	269	1.9	V	-62.8	1.30	8.90	-55.20	-13	42.2
Band 12, Middle channel										
947.0	37.68	201	1.8	H	-62.9	1.37	0.0	-64.27	-13	51.27
947.0	38.72	347	2.0	V	-60.6	1.37	0.0	-61.97	-13	48.97
1415.00	42.54	250	2.4	H	-65.6	1.60	7.90	-59.30	-13	46.3
1415.00	41.72	286	1.0	V	-66.7	1.60	7.90	-60.40	-13	47.4
Band 13, Middle channel										
963.5	37.47	156	2.0	H	-63.1	1.37	0.0	-64.47	-13	51.47
963.5	38.52	145	2.1	V	-60.8	1.37	0.0	-62.17	-13	49.17
1564.00	43.63	95	2.0	H	-64.7	1.40	8.90	-57.20	-13	44.2
1564.00	41.67	181	2.3	V	-66.4	1.40	8.90	-58.90	-13	45.9
Band 66, Middle channel										
954.8	37.24	108	1.2	H	-63.4	1.37	0.0	-64.77	-13	51.77
954.8	38.17	200	2.1	V	-61.2	1.37	0.0	-62.57	-13	49.57
3490.00	44.87	281	1.2	H	-55.9	1.50	12.00	-45.40	-13	32.4
3490.00	43.41	330	1.5	V	-58.1	1.50	12.00	-47.60	-13	34.6
Band 71, Middle channel										
960.5	37.38	124	1.9	H	-63.2	1.37	0.0	-64.57	-13	51.57
960.5	38.42	286	1.5	V	-60.9	1.37	0.0	-62.27	-13	49.27
1361.00	42.34	45	1.0	H	-65.8	1.60	7.90	-59.50	-13	46.5
1361.00	41.81	196	1.3	V	-66.6	1.60	7.90	-60.30	-13	47.3

Note:

Absolute Level = Substituted Level - Cable loss + Antenna Gain

Margin = Limit- Absolute Level

dBd is for the ERP, dBi is for EIRP.

SPOT-CHECK TEST DATA

RF OUTPUT POWER**Test Data****Environmental Conditions**

Temperature:	22.3~24.5 °C
Relative Humidity:	50~61 %
ATM Pressure:	101.2~101.3 kPa

The testing was performed by Seven Liang, Ricardo Lan, Thomas Deng from 2020-06-21 to 2020-06-24.

Test result: Compliance.

EUT operation mode: transmitting

Please refer to the following data table.

WCDMA Band 2:

Test Condition	Test Mode	3GPP Sub Test	Averaged Mean Power (dBm)		
			Low Frequency	Mid Frequency	High Frequency
Normal	RMC12.2k		24.17	24.80	23.83
	HSDPA	1	22.20	22.08	22.02
		2	22.18	22.07	21.99
		3	22.79	21.65	21.48
		4	21.74	21.54	21.58
	HSUPA	1	22.23	22.10	22.01
		2	21.75	21.58	21.58
		3	22.16	22.10	22.01
		4	22.39	22.21	22.21
		5	22.19	22.15	22.04
	DC- HSDPA	1	23.04	23.02	22.98
		2	23.16	22.98	22.96
		3	22.63	22.45	22.44
		4	22.53	22.46	22.47

WCDMA Band 5:

Test Condition	Test Mode	3GPP Sub Test	Averaged Mean Power (dBm)		
			Low Frequency	Mid Frequency	High Frequency
Normal	RMC12.2k		23.17	23.11	23.14
	HSDPA	1	22.20	22.24	22.32
		2	22.17	22.23	22.24
		3	21.77	21.66	21.68
		4	21.71	21.61	21.70
	HSUPA	1	22.07	22.32	22.24
		2	21.72	21.62	21.77
		3	22.16	22.28	22.25
		4	22.23	22.27	22.18
		5	22.22	22.16	22.21
	DC- HSDPA	1	23.03	23.03	23.07
		2	23.16	23.04	23.03
		3	22.61	22.57	22.61
		4	22.68	22.46	22.54

LTE Band 2:

BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1850.7MHz	1880MHz	1909.3MHz
1.4	QPSK	RB Size=1, RB Offset=0	0	0	23.37	23.40	22.96
		RB Size=1, RB Offset=2	0	0	23.47	23.73	22.98
		RB Size=1, RB Offset=5	0	0	23.29	23.19	22.94
		RB Size=3, RB Offset=0	1	1	23.32	23.22	23.08
		RB Size=3, RB Offset=2	1	1	22.18	23.11	23.28
		RB Size=3, RB Offset=3	1	1	23.36	23.27	22.91
		RB Size=6, RB Offset=0	1	1	22.27	22.52	22.05
	16QAM	RB Size=1, RB Offset=0	1	1	22.44	22.88	22.75
		RB Size=1, RB Offset=2	1	1	22.34	22.91	23.04
		RB Size=1, RB Offset=5	1	1	22.18	22.95	23.06
		RB Size=3, RB Offset=0	2	2	22.31	22.26	22.24
		RB Size=3, RB Offset=2	2	2	22.39	22.16	22.04
		RB Size=3, RB Offset=3	2	2	22.24	22.36	22.08
		RB Size=6, RB Offset=0	2	2	21.42	21.30	21.32
BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1851.5MHz	1880MHz	1908.5MHz
3	QPSK	RB Size=1, RB Offset=0	0	0	23.38	23.44	23.09
		RB Size=1, RB Offset=7	0	0	23.44	23.78	23.09
		RB Size=1, RB Offset=14	0	0	23.36	23.35	22.98
		RB Size=8, RB Offset=0	1	1	22.41	22.33	22.32
		RB Size=8, RB Offset=4	1	1	22.35	22.19	22.32
		RB Size=8, RB Offset=7	1	1	22.50	22.45	22.05
		RB Size=15, RB Offset=0	1	1	22.20	22.47	22.08
	16QAM	RB Size=1, RB Offset=0	1	1	22.47	22.96	22.62
		RB Size=1, RB Offset=7	1	1	22.42	23.07	23.04
		RB Size=1, RB Offset=14	1	1	22.22	22.99	23.09
		RB Size=8, RB Offset=0	2	2	21.44	21.27	21.28
		RB Size=8, RB Offset=4	2	2	21.53	21.34	21.12
		RB Size=8, RB Offset=7	2	2	21.50	21.34	21.11
		RB Size=15, RB Offset=0	2	2	21.47	21.37	21.33

BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1852.5MHz	1880MHz	1907.5MHz
5	QPSK	RB Size=1, RB Offset=0	0	0	23.28	23.51	23.00
		RB Size=1, RB Offset=13	0	0	23.46	23.74	23.04
		RB Size=1, RB Offset=24	0	0	23.34	23.26	22.99
		RB Size=12, RB Offset=0	1	1	22.43	23.37	22.16
		RB Size=12, RB Offset=6	1	1	22.26	22.15	22.35
		RB Size=12, RB Offset=13	1	1	22.38	22.33	21.87
	16QAM	RB Size=25, RB Offset=0	1	1	22.29	22.52	22.08
		RB Size=1, RB Offset=0	1	1	22.44	22.98	22.63
		RB Size=1, RB Offset=13	1	1	22.35	23.05	22.97
		RB Size=1, RB Offset=24	1	1	22.14	23.01	22.94
		RB Size=12, RB Offset=0	2	2	21.38	21.36	21.23
		RB Size=12, RB Offset=6	2	2	21.55	21.24	21.16
10	QPSK	RB Size=12, RB Offset=13	2	2	21.42	21.42	21.12
		RB Size=25, RB Offset=0	2	2	21.45	21.25	21.23
		RB Size=1, RB Offset=0	0	0	23.33	23.51	22.95
		RB Size=1, RB Offset=25	0	0	23.50	23.91	23.05
		RB Size=1, RB Offset=49	0	0	23.31	23.30	23.01
		RB Size=25, RB Offset=0	1	1	22.39	22.38	22.28
		RB Size=25, RB Offset=13	1	1	22.27	22.19	22.28
	16QAM	RB Size=25, RB Offset=25	1	1	22.54	22.38	22.04
		RB Size=50, RB Offset=0	1	1	22.32	22.53	22.11
		RB Size=1, RB Offset=0	1	1	22.43	22.93	22.74
		RB Size=1, RB Offset=25	1	1	22.43	23.01	23.04
		RB Size=1, RB Offset=49	1	1	22.14	23.03	23.10
		RB Size=25, RB Offset=0	2	2	21.40	21.39	21.31
		RB Size=25, RB Offset=13	2	2	21.51	21.24	21.13
		RB Size=25, RB Offset=25	2	2	21.45	21.48	21.25
		RB Size=50, RB Offset=0	2	2	21.43	21.32	21.38

BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1857.5MHz	1880MHz	1902.5MHz
15	QPSK	RB Size=1, RB Offset=0	0	0	23.39	23.45	23.07
		RB Size=1, RB Offset=38	0	0	23.36	23.87	22.93
		RB Size=1, RB Offset=74	0	0	23.37	23.20	22.95
		RB Size=36, RB Offset=0	1	1	22.35	22.41	22.22
		RB Size=36, RB Offset=18	1	1	22.33	22.10	22.22
		RB Size=36, RB Offset=39	1	1	22.45	22.31	21.99
		RB Size=75, RB Offset=0	1	1	22.28	22.57	22.01
	16QAM	RB Size=1, RB Offset=0	1	1	22.31	22.93	22.66
		RB Size=1, RB Offset=38	1	1	22.47	22.96	23.01
		RB Size=1, RB Offset=74	1	1	22.23	23.03	22.97
		RB Size=36, RB Offset=0	2	2	21.41	21.36	21.27
		RB Size=36, RB Offset=18	2	2	21.42	21.27	21.15
		RB Size=36, RB Offset=39	2	2	21.38	21.42	21.08
		RB Size=75, RB Offset=0	2	2	21.35	21.28	21.27
BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1860MHz	1880MHz	1900MHz
20	QPSK	RB Size=1, RB Offset=0	0	0	23.82	24.1	23.18
		RB Size=1, RB Offset=50	0	0	23.40	23.72	23.03
		RB Size=1, RB Offset=99	0	0	23.33	23.16	22.82
		RB Size=50, RB Offset=0	1	1	23.44	23.6	23.15
		RB Size=50, RB Offset=25	1	1	22.27	22.15	22.23
		RB Size=50, RB Offset=50	1	1	22.43	22.25	22.01
		RB Size=100, RB Offset=0	1	1	22.24	22.39	22.04
	16QAM	RB Size=1, RB Offset=0	0	0	22.33	22.84	22.55
		RB Size=1, RB Offset=50	0	0	22.35	22.93	23.05
		RB Size=1, RB Offset=99	0	0	22.19	22.92	23.05
		RB Size=50, RB Offset=0	1	1	21.42	21.25	21.18
		RB Size=50, RB Offset=25	1	1	21.50	21.15	21.08
		RB Size=50, RB Offset=50	1	1	21.38	21.33	21.13
		RB Size=100, RB Offset=0	1	1	21.33	21.24	21.32

LTE Band 4:

BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1710.7MHz	1732.5MHz	1754.3MHz
1.4	QPSK	RB Size=1, RB Offset=0	0	0	23.51	23.19	23.48
		RB Size=1, RB Offset=2	0	0	23.36	23.53	23.52
		RB Size=1, RB Offset=5	0	0	23.27	23.57	23.61
		RB Size=3, RB Offset=0	1	1	23.29	23.26	23.47
		RB Size=3, RB Offset=2	1	1	23.28	23.27	23.38
		RB Size=3, RB Offset=3	1	1	23.28	23.40	23.47
		RB Size=6, RB Offset=0	1	1	22.38	22.42	22.70
	16QAM	RB Size=1, RB Offset=0	1	1	22.39	22.18	23.30
		RB Size=1, RB Offset=2	1	1	22.58	22.72	23.13
		RB Size=1, RB Offset=5	1	1	22.38	23.01	23.34
		RB Size=3, RB Offset=0	2	2	22.26	22.28	22.52
		RB Size=3, RB Offset=2	2	2	22.28	22.37	22.18
		RB Size=3, RB Offset=3	2	2	22.33	22.49	22.47
		RB Size=6, RB Offset=0	2	2	21.29	21.47	21.62
BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1711.5MHz	1732.5MHz	1753.5MHz
3	QPSK	RB Size=1, RB Offset=0	0	0	23.63	23.28	23.40
		RB Size=1, RB Offset=7	0	0	23.46	23.66	23.47
		RB Size=1, RB Offset=14	0	0	23.18	23.54	23.71
		RB Size=8, RB Offset=0	1	1	22.50	22.41	22.67
		RB Size=8, RB Offset=4	1	1	22.48	22.38	22.55
		RB Size=8, RB Offset=7	1	1	22.32	22.58	22.52
		RB Size=15, RB Offset=0	1	1	22.28	22.40	22.60
	16QAM	RB Size=1, RB Offset=0	1	1	22.51	22.25	23.29
		RB Size=1, RB Offset=7	1	1	22.52	22.80	23.14
		RB Size=1, RB Offset=14	1	1	22.47	23.02	23.37
		RB Size=8, RB Offset=0	2	2	21.36	21.53	21.50
		RB Size=8, RB Offset=4	2	2	21.41	21.49	21.30
		RB Size=8, RB Offset=7	2	2	21.55	21.65	21.58
		RB Size=15, RB Offset=0	2	2	21.43	21.58	21.78

BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1712.5MHz	1732.5MHz	1752.5MHz
5	QPSK	RB Size=1, RB Offset=0	0	0	23.57	23.27	23.48
		RB Size=1, RB Offset=13	0	0	23.45	23.55	23.51
		RB Size=1, RB Offset=24	0	0	23.22	23.61	23.76
		RB Size=12, RB Offset=0	1	1	22.34	22.36	22.60
		RB Size=12, RB Offset=6	1	1	22.38	22.35	22.55
		RB Size=12, RB Offset=13	1	1	22.35	22.56	22.47
		RB Size=25, RB Offset=0	1	1	22.22	22.38	22.71
	16QAM	RB Size=1, RB Offset=0	1	1	22.36	22.30	23.20
		RB Size=1, RB Offset=13	1	1	22.57	22.86	23.17
		RB Size=1, RB Offset=24	1	1	22.33	23.07	23.37
		RB Size=12, RB Offset=0	2	2	21.30	21.48	21.44
		RB Size=12, RB Offset=6	2	2	21.34	21.53	21.34
		RB Size=12, RB Offset=13	2	2	21.38	21.46	21.51
		RB Size=25, RB Offset=0	2	2	21.34	21.54	21.71
BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1715MHz	1732.5MHz	1750MHz
10	QPSK	RB Size=1, RB Offset=0	0	0	23.53	23.23	23.45
		RB Size=1, RB Offset=25	0	0	23.41	23.64	23.47
		RB Size=1, RB Offset=49	0	0	23.16	23.63	23.63
		RB Size=25, RB Offset=0	1	1	22.40	22.35	22.60
		RB Size=25, RB Offset=13	1	1	22.41	22.49	22.49
		RB Size=25, RB Offset=25	1	1	22.35	22.52	22.55
		RB Size=50, RB Offset=0	1	1	22.31	22.49	22.74
	16QAM	RB Size=1, RB Offset=0	1	1	22.45	22.25	23.26
		RB Size=1, RB Offset=25	1	1	22.62	22.94	23.18
		RB Size=1, RB Offset=49	1	1	22.38	23.08	23.38
		RB Size=25, RB Offset=0	2	2	21.27	21.53	21.53
		RB Size=25, RB Offset=13	2	2	21.44	21.44	21.43
		RB Size=25, RB Offset=25	2	2	21.51	21.52	21.55
		RB Size=50, RB Offset=0	2	2	21.36	21.53	21.69

BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1717.5MHz	1732.5MHz	1747.5MHz
15	QPSK	RB Size=1, RB Offset=0	0	0	23.52	23.19	23.46
		RB Size=1, RB Offset=38	0	0	23.54	23.65	23.51
		RB Size=1, RB Offset=74	0	0	23.17	23.52	23.63
		RB Size=36, RB Offset=0	1	1	22.38	22.33	22.64
		RB Size=36, RB Offset=18	1	1	22.44	22.36	22.41
		RB Size=36, RB Offset=39	1	1	22.39	22.45	22.50
		RB Size=75, RB Offset=0	1	1	22.45	22.34	22.56
	16QAM	RB Size=1, RB Offset=0	1	1	22.42	22.30	23.25
		RB Size=1, RB Offset=38	1	1	22.52	22.86	23.16
		RB Size=1, RB Offset=74	1	1	22.29	22.95	23.34
		RB Size=36, RB Offset=0	2	2	21.37	21.44	21.53
		RB Size=36, RB Offset=18	2	2	21.37	21.50	21.30
		RB Size=36, RB Offset=39	2	2	21.45	21.56	21.49
		RB Size=75, RB Offset=0	2	2	21.37	21.54	21.58
BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1720MHz	1732.5MHz	1745MHz
20	QPSK	RB Size=1, RB Offset=0	0	0	23.52	23.12	23.34
		RB Size=1, RB Offset=50	0	0	23.38	23.60	23.52
		RB Size=1, RB Offset=99	0	0	23.12	23.54	23.61
		RB Size=50, RB Offset=0	1	1	22.38	22.19	22.61
		RB Size=50, RB Offset=25	1	1	22.42	22.38	22.39
		RB Size=50, RB Offset=50	1	1	22.42	22.54	22.41
		RB Size=100, RB Offset=0	1	1	22.32	22.34	22.54
	16QAM	RB Size=1, RB Offset=0	1	1	22.40	22.25	23.17
		RB Size=1, RB Offset=50	1	1	22.42	22.87	23.20
		RB Size=1, RB Offset=99	1	1	22.29	22.93	23.27
		RB Size=50, RB Offset=0	2	2	21.29	21.42	21.49
		RB Size=50, RB Offset=25	2	2	21.38	21.49	21.38
		RB Size=50, RB Offset=50	2	2	21.48	21.56	21.60
		RB Size=100, RB Offset=0	2	2	21.41	21.42	21.55

LTE Band 5:

BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					824.7MHz	836.5MHz	848.3MHz
1.4	QPSK	RB Size=1, RB Offset=0	0	0	23.80	23.99	23.87
		RB Size=1, RB Offset=2	0	0	23.88	23.84	24.05
		RB Size=1, RB Offset=5	0	0	23.92	23.82	23.76
		RB Size=3, RB Offset=0	1	1	23.72	23.71	23.70
		RB Size=3, RB Offset=2	1	1	23.68	23.82	23.75
		RB Size=3, RB Offset=3	1	1	23.81	23.78	23.82
		RB Size=6, RB Offset=0	1	1	22.83	22.95	22.93
	16QAM	RB Size=1, RB Offset=0	1	1	23.52	23.03	22.76
		RB Size=1, RB Offset=2	1	1	23.12	23.38	22.69
		RB Size=1, RB Offset=5	1	1	23.31	23.00	22.66
		RB Size=3, RB Offset=0	2	2	22.63	22.61	22.83
		RB Size=3, RB Offset=2	2	2	22.77	22.65	22.66
		RB Size=3, RB Offset=3	2	2	22.77	22.66	22.60
		RB Size=6, RB Offset=0	2	2	23.80	23.99	23.87
BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					825.5MHz	836.5MHz	847.5MHz
3	QPSK	RB Size=1, RB Offset=0	0	0	23.80	23.89	23.77
		RB Size=1, RB Offset=7	0	0	23.84	23.88	24.11
		RB Size=1, RB Offset=14	0	0	24.02	23.97	23.85
		RB Size=8, RB Offset=0	1	1	22.84	22.84	22.94
		RB Size=8, RB Offset=4	1	1	22.76	22.81	22.91
		RB Size=8, RB Offset=7	1	1	22.99	22.82	22.81
		RB Size=15, RB Offset=0	1	1	22.77	22.95	22.87
	16QAM	RB Size=1, RB Offset=0	1	1	23.43	23.05	22.86
		RB Size=1, RB Offset=7	1	1	23.10	23.51	22.77
		RB Size=1, RB Offset=14	1	1	23.24	23.10	22.73
		RB Size=8, RB Offset=0	2	2	21.67	21.74	21.93
		RB Size=8, RB Offset=4	2	2	21.97	21.82	21.75
		RB Size=8, RB Offset=7	2	2	21.92	21.74	21.72
		RB Size=15, RB Offset=0	2	2	21.76	21.83	21.81

BW (MHz)	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					826.5MHz	836.5MHz	846.5MHz
5	QPSK	RB Size=1, RB Offset=0	0	0	23.84	23.94	23.80
		RB Size=1, RB Offset=13	0	0	23.85	23.93	24.07
		RB Size=1, RB Offset=24	0	0	23.93	23.91	23.79
		RB Size=12, RB Offset=0	1	1	22.68	22.77	22.77
		RB Size=12, RB Offset=6	1	1	22.82	22.80	22.82
		RB Size=12, RB Offset=13	1	1	22.95	22.90	22.79
		RB Size=25, RB Offset=0	1	1	22.84	22.97	22.82
	16QAM	RB Size=1, RB Offset=0	1	1	23.36	23.06	22.80
		RB Size=1, RB Offset=13	1	1	23.20	23.51	22.65
		RB Size=1, RB Offset=24	1	1	23.27	23.07	22.62
		RB Size=12, RB Offset=0	2	2	21.70	21.75	21.83
		RB Size=12, RB Offset=6	2	2	21.80	21.63	21.75
		RB Size=12, RB Offset=13	2	2	21.87	21.77	21.58
		RB Size=25, RB Offset=0	2	2	21.66	21.83	21.73
BW (MHz)	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					829MHz	836.5MHz	844MHz
10	QPSK	RB Size=1, RB Offset=0	0	0	23.73	23.88	23.82
		RB Size=1, RB Offset=25	0	0	23.91	23.96	23.97
		RB Size=1, RB Offset=49	0	0	23.96	23.91	23.81
		RB Size=25, RB Offset=0	1	1	22.74	22.65	22.77
		RB Size=25, RB Offset=13	1	1	22.74	22.73	22.74
		RB Size=25, RB Offset=25	1	1	22.80	22.75	22.76
		RB Size=50, RB Offset=0	1	1	22.83	22.92	22.83
	16QAM	RB Size=1, RB Offset=0	1	1	23.25	22.99	22.74
		RB Size=1, RB Offset=25	1	1	23.17	23.39	22.72
		RB Size=1, RB Offset=49	1	1	23.26	22.97	22.68
		RB Size=25, RB Offset=0	2	2	21.74	21.81	21.77
		RB Size=25, RB Offset=13	2	2	21.77	21.69	21.70
		RB Size=25, RB Offset=25	2	2	21.89	21.68	21.62
		RB Size=50, RB Offset=0	2	2	21.65	21.69	21.68

LTE Band 12:

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					699.7MHz	707.5MHz	715.3MHz
1.4M	QPSK	RB Size=1, RB Offset=0	0	0	23.59	23.56	23.56
		RB Size=1, RB Offset=2	0	0	23.65	23.59	23.63
		RB Size=1, RB Offset=5	0	0	23.67	23.51	23.64
		RB Size=3, RB Offset=0	1	1	23.56	23.59	23.60
		RB Size=3, RB Offset=2	1	1	23.39	23.49	23.53
		RB Size=3, RB Offset=3	1	1	23.74	23.66	23.58
		RB Size=6, RB Offset=0	1	1	22.62	22.57	22.66
	16QAM	RB Size=1, RB Offset=0	1	1	22.94	22.26	23.02
		RB Size=1, RB Offset=2	1	1	22.97	22.57	23.17
		RB Size=1, RB Offset=5	1	1	22.68	22.40	22.91
		RB Size=3, RB Offset=0	2	2	22.64	22.57	22.79
		RB Size=3, RB Offset=2	2	2	22.56	22.52	22.55
		RB Size=3, RB Offset=3	2	2	22.44	22.58	22.48
		RB Size=6, RB Offset=0	2	2	21.71	21.58	21.76
BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					700.5MHz	707.5MHz	714.5MHz
3M	QPSK	RB Size=1, RB Offset=0	0	0	23.73	23.63	23.58
		RB Size=1, RB Offset=7	0	0	23.67	23.66	23.68
		RB Size=1, RB Offset=14	0	0	23.60	23.60	23.75
		RB Size=8, RB Offset=0	1	1	22.56	22.57	22.71
		RB Size=8, RB Offset=4	1	1	22.64	22.61	22.63
		RB Size=8, RB Offset=7	1	1	22.78	22.65	22.66
		RB Size=15, RB Offset=0	1	1	22.61	22.55	22.74
	16QAM	RB Size=1, RB Offset=0	1	1	22.96	22.20	23.07
		RB Size=1, RB Offset=7	1	1	22.99	22.55	23.25
		RB Size=1, RB Offset=14	1	1	22.81	22.47	22.80
		RB Size=8, RB Offset=0	2	2	21.62	21.72	21.90
		RB Size=8, RB Offset=4	2	2	21.55	21.67	21.61
		RB Size=8, RB Offset=7	2	2	21.70	21.74	21.55
		RB Size=15, RB Offset=0	2	2	21.69	21.65	21.88

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					701.5MHz	707.5MHz	713.5MHz
5M	QPSK	RB Size=1, RB Offset=0	0	0	23.57	23.68	23.63
		RB Size=1, RB Offset=13	0	0	23.75	23.69	23.77
		RB Size=1, RB Offset=24	0	0	23.63	23.53	23.62
		RB Size=12, RB Offset=0	1	1	22.57	22.59	22.77
		RB Size=12, RB Offset=6	1	1	22.56	22.50	22.59
		RB Size=12, RB Offset=13	1	1	22.75	22.77	22.63
		RB Size=25, RB Offset=0	1	1	22.65	22.51	22.73
	16QAM	RB Size=1, RB Offset=0	1	1	22.99	22.21	22.98
		RB Size=1, RB Offset=13	1	1	23.00	22.64	23.22
		RB Size=1, RB Offset=24	1	1	22.73	22.30	22.85
		RB Size=12, RB Offset=0	2	2	21.62	21.79	21.81
		RB Size=12, RB Offset=6	2	2	21.60	21.64	21.61
		RB Size=12, RB Offset=13	2	2	21.68	21.58	21.58
		RB Size=25, RB Offset=0	2	2	21.78	21.57	21.90
BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					704MHz	707.5MHz	711MHz
10M	QPSK	RB Size=1, RB Offset=0	0	0	23.66	23.52	23.64
		RB Size=1, RB Offset=25	0	0	23.63	23.56	23.60
		RB Size=1, RB Offset=49	0	0	23.62	23.55	23.68
		RB Size=25, RB Offset=0	1	1	22.52	22.60	22.71
		RB Size=25, RB Offset=13	1	1	22.52	22.58	22.67
		RB Size=25, RB Offset=25	1	1	22.65	22.73	22.68
		RB Size=50, RB Offset=0	1	1	22.65	22.52	22.69
	16QAM	RB Size=1, RB Offset=0	1	1	22.85	22.13	22.86
		RB Size=1, RB Offset=25	1	1	22.98	22.58	23.14
		RB Size=1, RB Offset=49	1	1	22.66	22.39	22.87
		RB Size=25, RB Offset=0	2	2	21.61	21.76	21.77
		RB Size=25, RB Offset=13	2	2	21.64	21.54	21.63
		RB Size=25, RB Offset=25	2	2	21.57	21.64	21.46
		RB Size=50, RB Offset=0	2	2	21.65	21.65	21.74

LTE Band 13:

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					779.5MHz	782MHz	784.5MHz
5M	QPSK	RB Size=1, RB Offset=0	0	0	23.68	23.56	23.77
		RB Size=1, RB Offset=13	0	0	23.82	23.68	23.75
		RB Size=1, RB Offset=24	0	0	23.51	23.75	23.59
		RB Size=12, RB Offset=0	1	1	22.89	22.78	22.84
		RB Size=12, RB Offset=6	1	1	22.83	22.73	22.91
		RB Size=12, RB Offset=13	1	1	22.82	22.84	22.78
		RB Size=25, RB Offset=0	1	1	22.87	22.67	22.76
	16QAM	RB Size=1, RB Offset=0	1	1	23.06	22.42	22.66
		RB Size=1, RB Offset=13	1	1	23.19	22.37	22.30
		RB Size=1, RB Offset=24	1	1	23.10	22.11	22.40
		RB Size=12, RB Offset=0	2	2	21.56	21.49	21.74
		RB Size=12, RB Offset=6	2	2	21.61	21.79	21.60
		RB Size=12, RB Offset=13	2	2	21.73	21.57	21.53
		RB Size=25, RB Offset=0	2	2	21.69	21.94	21.58
BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					/	782MHz	/
10M	QPSK	RB Size=1, RB Offset=0	0	0	/	23.76	/
		RB Size=1, RB Offset=25	0	0	/	23.80	/
		RB Size=1, RB Offset=49	0	0	/	23.66	/
		RB Size=25, RB Offset=0	1	1	/	22.86	/
		RB Size=25, RB Offset=13	1	1	/	22.73	/
		RB Size=25, RB Offset=25	1	1	/	22.91	/
		RB Size=50, RB Offset=0	1	1	/	22.77	/
	16QAM	RB Size=1, RB Offset=0	1	1	/	23.17	/
		RB Size=1, RB Offset=25	1	1	/	23.40	/
		RB Size=1, RB Offset=49	1	1	/	22.97	/
		RB Size=25, RB Offset=0	2	2	/	21.70	/
		RB Size=25, RB Offset=13	2	2	/	21.86	/
		RB Size=25, RB Offset=25	2	2	/	21.84	/
		RB Size=50, RB Offset=0	2	2	/	21.80	/

LTE Band 66:

BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1710.7MHz	1745MHz	1779.3MHz
1.4	QPSK	RB Size=1, RB Offset=0	0	0	23.42	23.52	23.53
		RB Size=1, RB Offset=2	0	0	23.31	23.68	23.53
		RB Size=1, RB Offset=5	0	0	23.45	23.60	23.37
		RB Size=3, RB Offset=0	1	1	23.49	23.63	23.22
		RB Size=3, RB Offset=2	1	1	23.30	23.78	23.37
		RB Size=3, RB Offset=3	1	1	23.53	23.60	23.33
		RB Size=6, RB Offset=0	1	1	22.52	22.71	22.31
	16QAM	RB Size=1, RB Offset=0	1	1	22.87	22.42	22.14
		RB Size=1, RB Offset=2	1	1	22.39	22.72	22.58
		RB Size=1, RB Offset=5	1	1	22.58	22.41	22.27
		RB Size=3, RB Offset=0	2	2	22.55	22.65	22.33
		RB Size=3, RB Offset=2	2	2	22.31	22.80	22.46
		RB Size=3, RB Offset=3	2	2	22.67	22.57	22.48
		RB Size=6, RB Offset=0	2	2	21.62	21.84	21.43
BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1711.5MHz	1745MHz	1778.5MHz
3	QPSK	RB Size=1, RB Offset=0	0	0	23.35	23.67	23.53
		RB Size=1, RB Offset=7	0	0	23.39	23.86	23.57
		RB Size=1, RB Offset=14	0	0	23.36	23.68	23.48
		RB Size=8, RB Offset=0	1	1	22.59	22.68	22.44
		RB Size=8, RB Offset=4	1	1	22.41	22.84	22.43
		RB Size=8, RB Offset=7	1	1	22.66	22.73	22.47
		RB Size=15, RB Offset=0	1	1	22.53	22.75	22.37
	16QAM	RB Size=1, RB Offset=0	1	1	22.90	22.42	22.17
		RB Size=1, RB Offset=7	1	1	22.38	22.82	22.59
		RB Size=1, RB Offset=14	1	1	22.58	22.44	22.32
		RB Size=8, RB Offset=0	2	2	21.68	21.74	21.36
		RB Size=8, RB Offset=4	2	2	21.47	21.97	21.55
		RB Size=8, RB Offset=7	2	2	21.73	21.74	21.53
		RB Size=15, RB Offset=0	2	2	21.64	21.93	21.48

BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1712.5MHz	1745MHz	1777.5MHz
5	QPSK	RB Size=1, RB Offset=0	0	0	23.41	23.55	23.52
		RB Size=1, RB Offset=13	0	0	23.39	23.75	23.62
		RB Size=1, RB Offset=24	0	0	23.29	23.64	23.50
		RB Size=12, RB Offset=0	1	1	22.48	22.63	22.36
		RB Size=12, RB Offset=6	1	1	22.45	22.85	22.43
		RB Size=12, RB Offset=13	1	1	22.61	22.56	22.43
		RB Size=25, RB Offset=0	1	1	22.49	22.74	22.30
	16QAM	RB Size=1, RB Offset=0	1	1	22.91	22.33	22.22
		RB Size=1, RB Offset=13	1	1	22.46	22.80	22.51
		RB Size=1, RB Offset=24	1	1	22.50	22.39	22.29
		RB Size=12, RB Offset=0	2	2	21.67	21.72	21.39
		RB Size=12, RB Offset=6	2	2	21.45	21.90	21.59
		RB Size=12, RB Offset=13	2	2	21.84	21.70	21.48
		RB Size=25, RB Offset=0	2	2	21.69	21.90	21.43
BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1715MHz	1745MHz	1775MHz
10	QPSK	RB Size=1, RB Offset=0	0	0	23.50	23.64	23.52
		RB Size=1, RB Offset=25	0	0	23.29	23.78	23.65
		RB Size=1, RB Offset=49	0	0	23.35	23.74	23.47
		RB Size=25, RB Offset=0	1	1	22.49	22.75	22.31
		RB Size=25, RB Offset=13	1	1	22.52	22.93	22.39
		RB Size=25, RB Offset=25	1	1	22.75	22.60	22.55
		RB Size=50, RB Offset=0	1	1	22.55	22.77	22.45
	16QAM	RB Size=1, RB Offset=0	1	1	22.82	22.37	22.21
		RB Size=1, RB Offset=25	1	1	22.38	22.88	22.56
		RB Size=1, RB Offset=49	1	1	22.66	22.38	22.16
		RB Size=25, RB Offset=0	2	2	21.62	21.64	21.44
		RB Size=25, RB Offset=13	2	2	21.50	21.82	21.60
		RB Size=25, RB Offset=25	2	2	21.81	21.67	21.63
		RB Size=50, RB Offset=0	2	2	21.72	21.88	21.42

BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1717.5MHz	1745MHz	1772.5MHz
15	QPSK	RB Size=1, RB Offset=0	0	0	23.36	23.53	23.55
		RB Size=1, RB Offset=38	0	0	23.37	23.82	23.55
		RB Size=1, RB Offset=74	0	0	23.35	23.58	23.39
		RB Size=36, RB Offset=0	1	1	22.58	22.60	22.39
		RB Size=36, RB Offset=18	1	1	22.42	22.83	22.41
		RB Size=36, RB Offset=39	1	1	22.64	22.73	22.48
		RB Size=75, RB Offset=0	1	1	22.51	22.69	22.33
	16QAM	RB Size=1, RB Offset=0	1	1	22.80	22.38	22.21
		RB Size=1, RB Offset=38	1	1	22.43	22.74	22.66
		RB Size=1, RB Offset=74	1	1	22.48	22.37	22.24
		RB Size=36, RB Offset=0	2	2	21.69	21.73	21.39
		RB Size=36, RB Offset=18	2	2	21.44	21.80	21.51
		RB Size=36, RB Offset=39	2	2	21.78	21.74	21.54
		RB Size=75, RB Offset=0	2	2	21.67	21.87	21.38
BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1720MHz	1745MHz	1770MHz
20	QPSK	RB Size=1, RB Offset=0	0	0	23.39	23.58	23.60
		RB Size=1, RB Offset=50	0	0	23.30	23.80	23.61
		RB Size=1, RB Offset=99	0	0	23.34	23.59	23.39
		RB Size=50, RB Offset=0	1	1	22.55	22.61	22.29
		RB Size=50, RB Offset=25	1	1	22.36	22.70	22.33
		RB Size=50, RB Offset=50	1	1	22.62	22.64	22.38
		RB Size=100, RB Offset=0	1	1	22.53	22.74	22.27
	16QAM	RB Size=1, RB Offset=0	1	1	22.74	22.32	22.13
		RB Size=1, RB Offset=50	1	1	22.44	22.84	22.56
		RB Size=1, RB Offset=99	1	1	22.48	22.46	22.26
		RB Size=50, RB Offset=0	2	2	21.58	21.65	21.26
		RB Size=50, RB Offset=25	2	2	21.43	21.84	21.52
		RB Size=50, RB Offset=50	2	2	21.75	21.61	21.56
		RB Size=100, RB Offset=0	2	2	21.65	21.86	21.45

LTE Band 71:

BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					665.5MHz	680.5MHz	695.5MHz
5	QPSK	RB Size=1, RB Offset=0	0	0	23.09	23.29	23.05
		RB Size=1, RB Offset=13	0	0	23.38	23.15	23.04
		RB Size=1, RB Offset=24	0	0	23.18	23.04	23.10
		RB Size=12, RB Offset=0	1	1	22.17	22.39	22.29
		RB Size=12, RB Offset=6	1	1	22.12	22.19	22.17
		RB Size=12, RB Offset=13	1	1	22.44	22.34	22.41
		RB Size=25, RB Offset=0	1	1	22.11	22.33	22.18
	16QAM	RB Size=1, RB Offset=0	1	1	22.06	22.66	22.93
		RB Size=1, RB Offset=13	1	1	22.28	22.79	22.88
		RB Size=1, RB Offset=24	1	1	22.14	22.42	22.82
		RB Size=12, RB Offset=0	2	2	21.30	21.27	21.03
		RB Size=12, RB Offset=6	2	2	21.23	21.27	21.21
		RB Size=12, RB Offset=13	2	2	21.41	21.19	21.12
		RB Size=25, RB Offset=0	2	2	21.39	21.50	21.35
BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					668MHz	680.5MHz	693MHz
10	QPSK	RB Size=1, RB Offset=0	0	0	23.21	23.25	23.04
		RB Size=1, RB Offset=25	0	0	23.53	23.23	23.12
		RB Size=1, RB Offset=49	0	0	23.24	23.03	23.11
		RB Size=25, RB Offset=0	1	1	22.19	22.34	22.25
		RB Size=25, RB Offset=13	1	1	22.19	22.24	22.30
		RB Size=25, RB Offset=25	1	1	22.47	22.41	22.32
		RB Size=50, RB Offset=0	1	1	22.20	22.39	22.17
	16QAM	RB Size=1, RB Offset=0	1	1	22.07	22.66	22.84
		RB Size=1, RB Offset=25	1	1	22.28	22.93	22.97
		RB Size=1, RB Offset=49	1	1	22.33	22.53	22.82
		RB Size=25, RB Offset=0	2	2	21.34	21.32	21.14
		RB Size=25, RB Offset=13	2	2	21.29	21.40	21.31
		RB Size=25, RB Offset=25	2	2	21.36	21.34	21.17
		RB Size=50, RB Offset=0	2	2	21.37	21.63	21.28

BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					670.5MHz	680.5MHz	690.5MHz
15	QPSK	RB Size=1, RB Offset=0	0	0	23.12	22.94	23.03
		RB Size=1, RB Offset=38	0	0	23.43	23.16	23.13
		RB Size=1, RB Offset=74	0	0	23.28	23.12	23.02
		RB Size=36, RB Offset=0	1	1	22.16	22.22	22.36
		RB Size=36, RB Offset=18	1	1	22.14	22.24	22.16
		RB Size=36, RB Offset=39	1	1	22.33	22.06	22.26
		RB Size=75, RB Offset=0	1	1	22.23	22.16	22.17
	16QAM	RB Size=1, RB Offset=0	1	1	22.09	22.03	22.90
		RB Size=1, RB Offset=38	1	1	22.21	22.15	23.00
		RB Size=1, RB Offset=74	1	1	22.17	22.15	22.80
		RB Size=36, RB Offset=0	2	2	21.28	21.29	21.08
		RB Size=36, RB Offset=18	2	2	21.25	21.17	21.20
		RB Size=36, RB Offset=39	2	2	21.32	21.07	21.18
		RB Size=75, RB Offset=0	2	2	21.34	21.12	21.38
BW (MHz)	Modulation	Resource Block Size & Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					673MHz	683MHz	688MHz
20	QPSK	RB Size=1, RB Offset=0	0	0	23.11	23.64	22.95
		RB Size=1, RB Offset=50	0	0	23.49	23.17	23.08
		RB Size=1, RB Offset=99	0	0	23.29	23.04	23.09
		RB Size=50, RB Offset=0	1	1	22.06	22.27	22.23
		RB Size=50, RB Offset=25	1	1	22.18	22.23	22.17
		RB Size=50, RB Offset=50	1	1	22.34	22.25	22.29
		RB Size=100, RB Offset=0	1	1	22.28	22.33	22.17
	16QAM	RB Size=1, RB Offset=0	1	1	22.11	22.57	22.92
		RB Size=1, RB Offset=50	1	1	22.12	22.78	22.87
		RB Size=1, RB Offset=99	1	1	22.12	22.37	22.84
		RB Size=50, RB Offset=0	2	2	21.30	21.29	20.99
		RB Size=50, RB Offset=25	2	2	21.14	21.18	21.27
		RB Size=50, RB Offset=50	2	2	21.38	21.13	21.13
		RB Size=100, RB Offset=0	2	2	21.35	21.54	21.21

OCCUPIED BANDWIDTH**Test Data****Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	55 %
ATM Pressure:	101.0 kPa

The testing was performed by James Fu from 2020-08-09 to 2020-08-10.

Test result: Compliance.

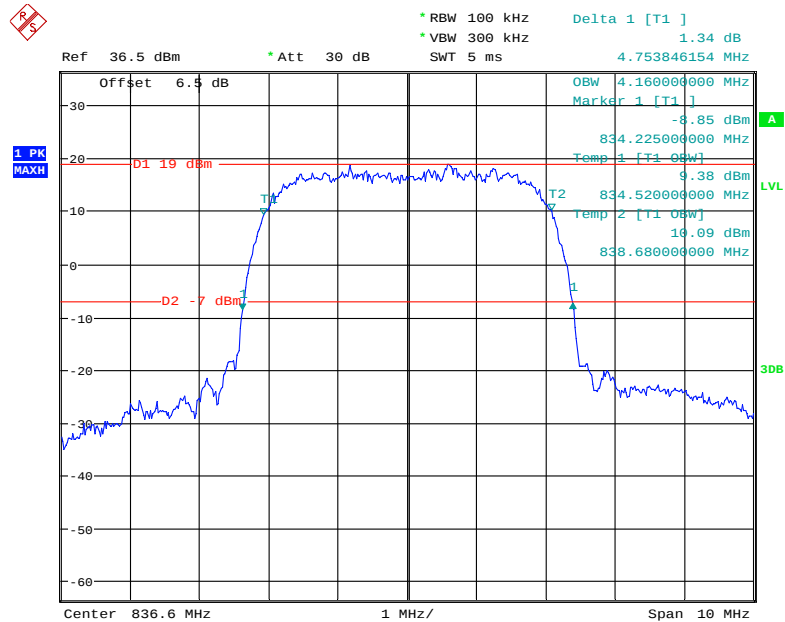
EUT operation mode: transmitting (worst case)

Test Result: Compliance. Please refer to the following data and plots.

Band	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)
WCDMA B5	836.6	4.16	4.75
WCDMA B2	1880.0	4.14	4.75
LTE B2 (QPSK)	1880.0	17.92	19.36
LTE B2 (16QAM)	1880.0	17.92	19.36
LTE B4 (QPSK)	1732.5	17.92	19.44
LTE B4 (16QAM)	1732.5	18.00	19.52
LTE B5 (QPSK)	836.5	8.92	9.68
LTE B5 (16QAM)	836.5	8.92	9.64
LTE B12 (QPSK)	707.5	8.92	9.80
LTE B12 (16QAM)	707.5	9.00	9.60
LTE B13 (QPSK)	782.0	8.96	9.72
LTE B13 (16QAM)	782.0	8.96	9.64
LTE B66 (QPSK)	1745.0	17.92	19.28
LTE B66 (16QAM)	1745.0	18.00	19.36
LTE B71 (QPSK)	683.0	17.92	19.54
LTE B71 (16QAM)	683.0	17.92	19.48

Cellular Band (Part 22H)

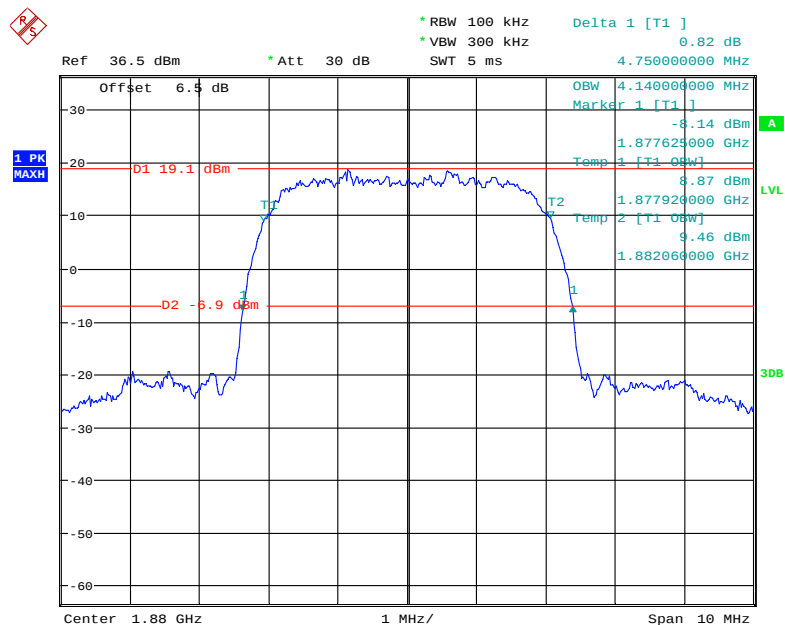
26 dB Emissions & 99% Occupied Bandwidth for RMC (BPSK) Mode



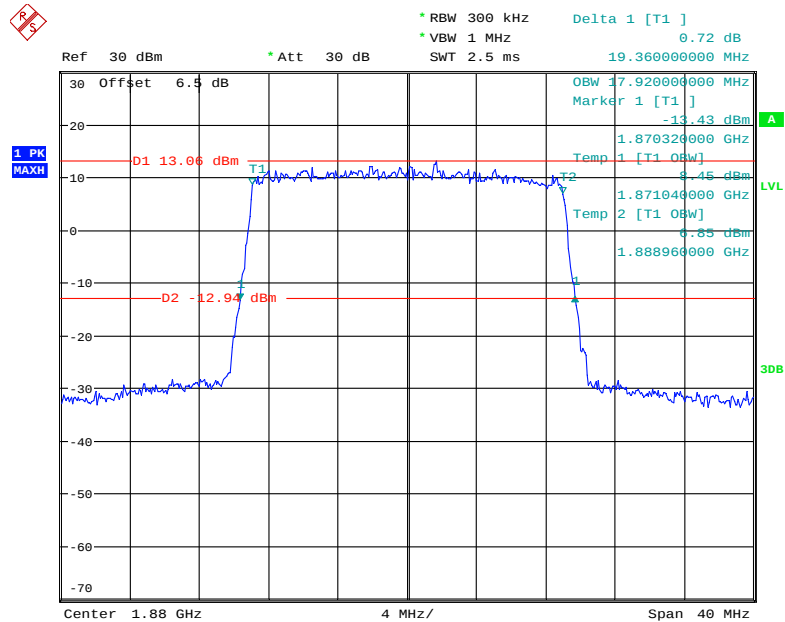
Date: 10.AUG.2020 15:37:37

PCS Band (Part 24E)

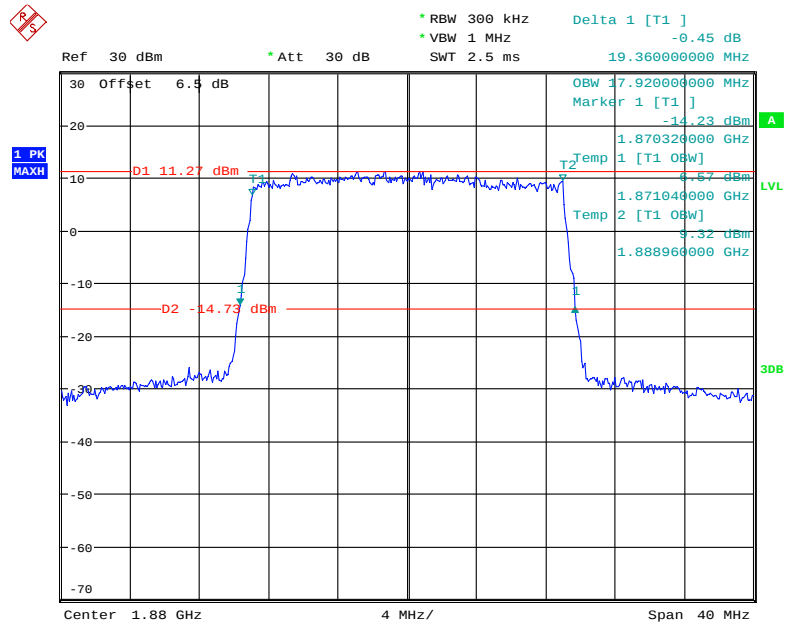
26 dB Emissions & 99% Occupied Bandwidth for RMC (BPSK) Mode



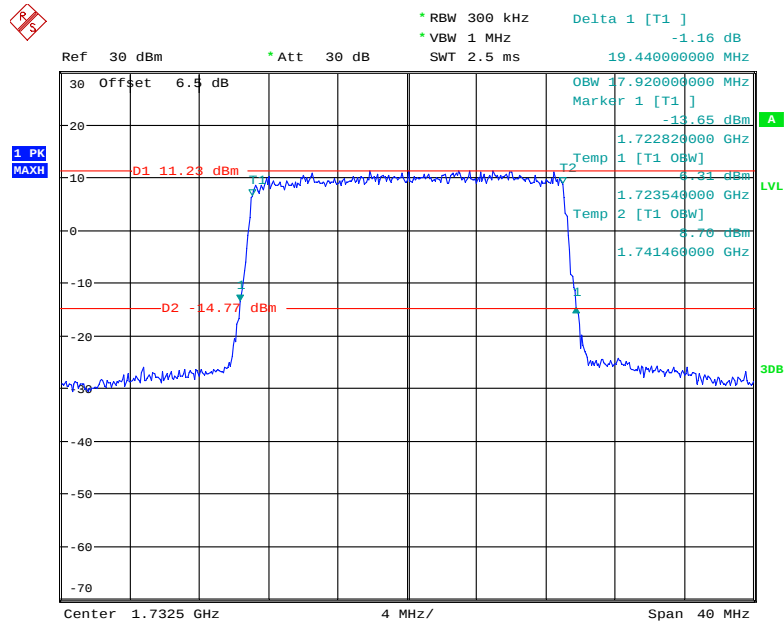
Date: 10.AUG.2020 15:38:39

LTE Band 2: (worst case)**QPSK (20.0 MHz) - 26 dB Bandwidth & 99% Occupied Bandwidth, Middle channel**

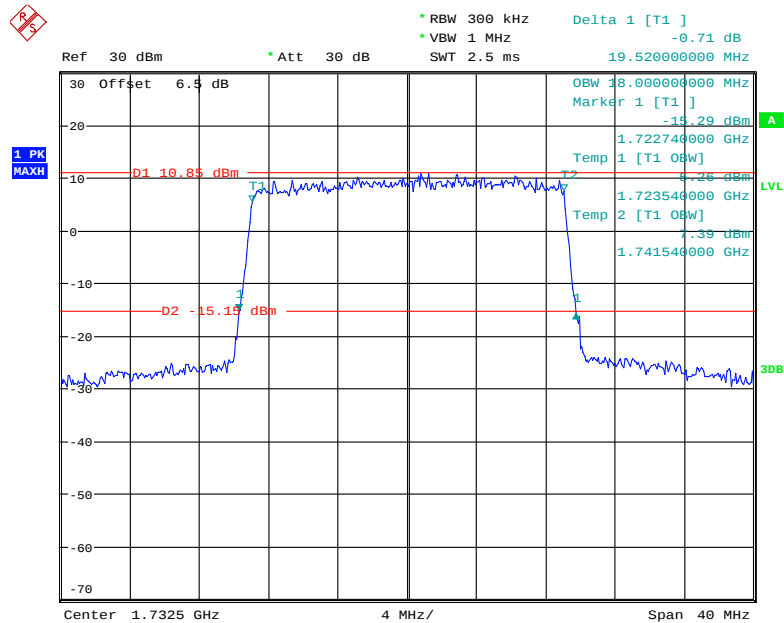
Date: 9.AUG.2020 14:23:30

16-QAM (20.0 MHz) - 26 dB Bandwidth & 99% Occupied Bandwidth, Middle channel

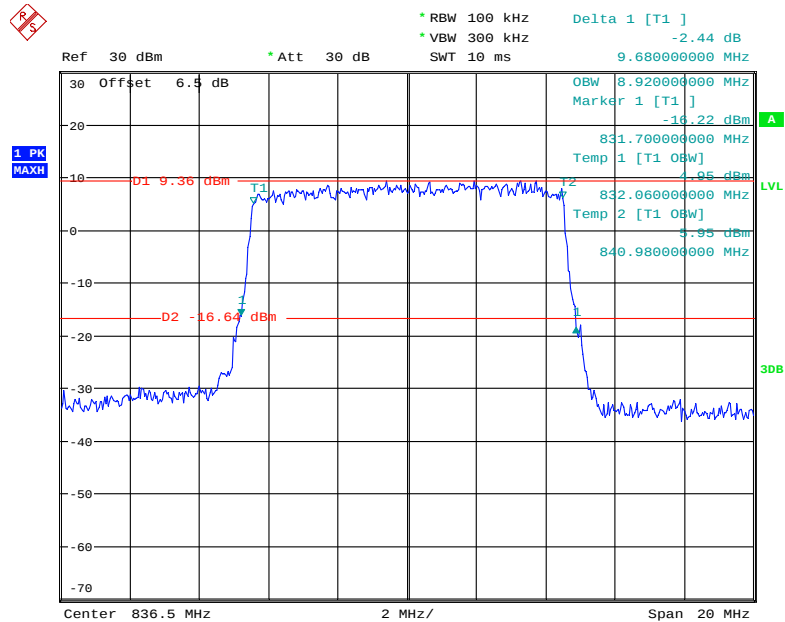
Date: 9.AUG.2020 14:23:53

LTE Band 4: (worst case)**QPSK (20.0 MHz) - 26 dB Bandwidth & 99% Occupied Bandwidth, Middle channel**

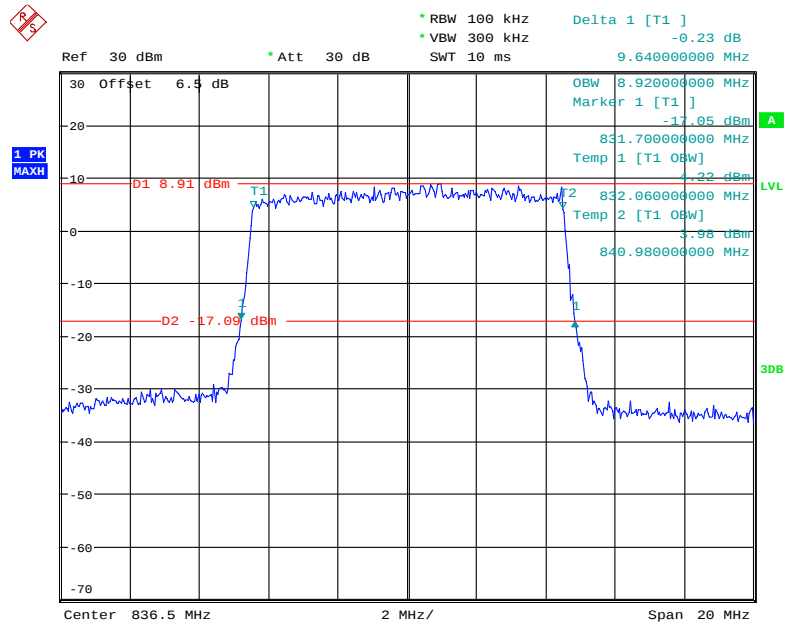
Date: 9.AUG.2020 14:27:29

16-QAM (20.0 MHz) - 26 dB Bandwidth & 99% Occupied Bandwidth, Middle channel

Date: 9.AUG.2020 14:27:48

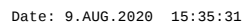
LTE Band 5: (worst case)**QPSK (10.0 MHz) - 26 dB Bandwidth & 99% Occupied Bandwidth, Middle channel**

Date: 9.AUG.2020 15:32:52

16-QAM (10.0 MHz) - 26 dB Bandwidth & 99% Occupied Bandwidth, Middle channel

Date: 9.AUG.2020 15:33:13

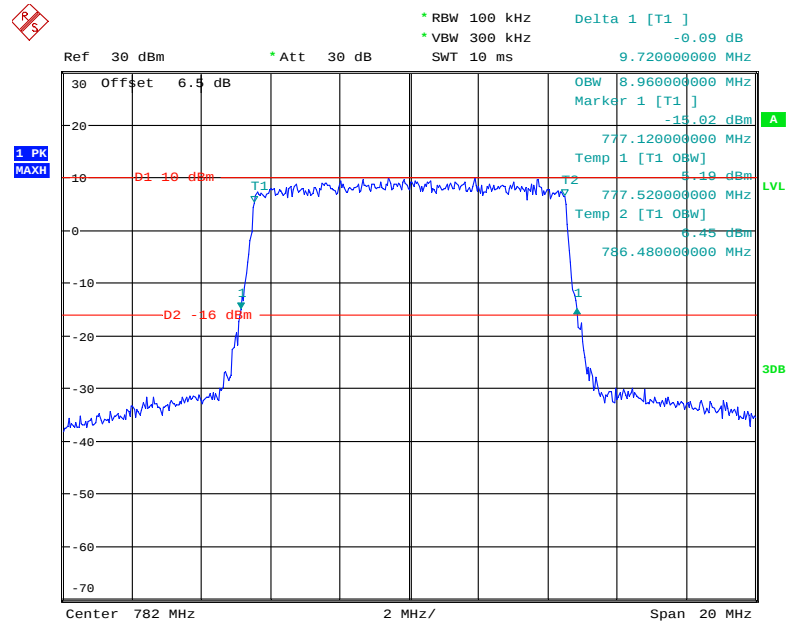
QPSK (10.0 MHz) - 26 dB Bandwidth & 99% Occupied Bandwidth, Middle channel



Date: 9.AUG.2020 15:35:51

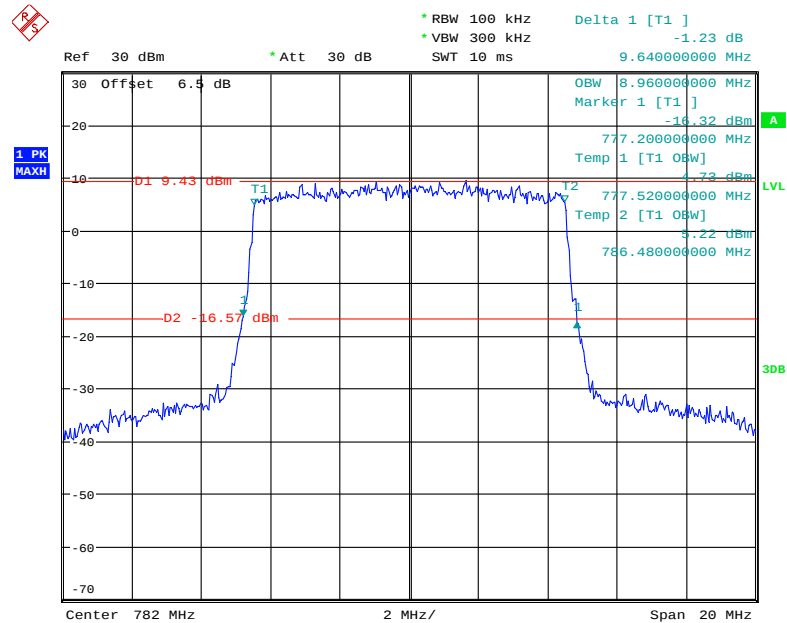
LTE Band 13: (worst case)

QPSK (10.0 MHz) - 26 dB Bandwidth & 99% Occupied Bandwidth, Middle channel

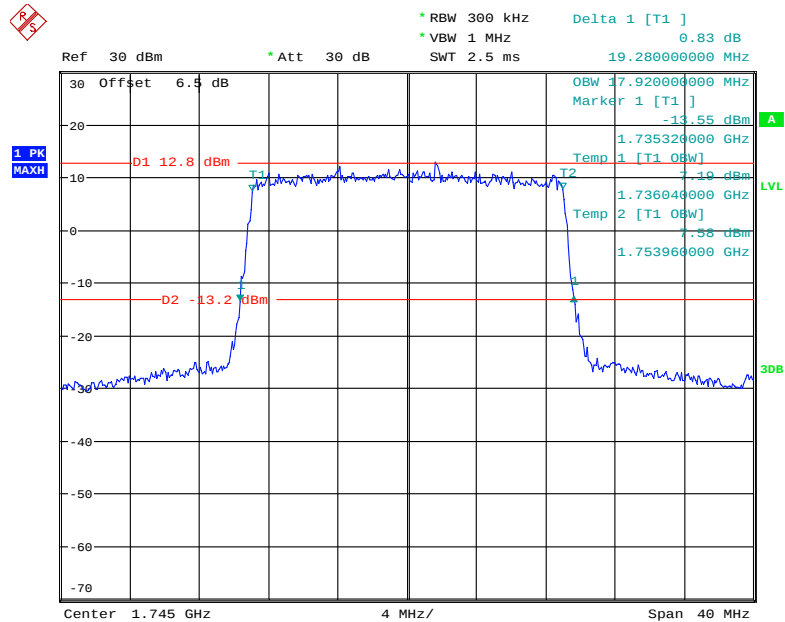


Date: 9.AUG.2020 15:36:53

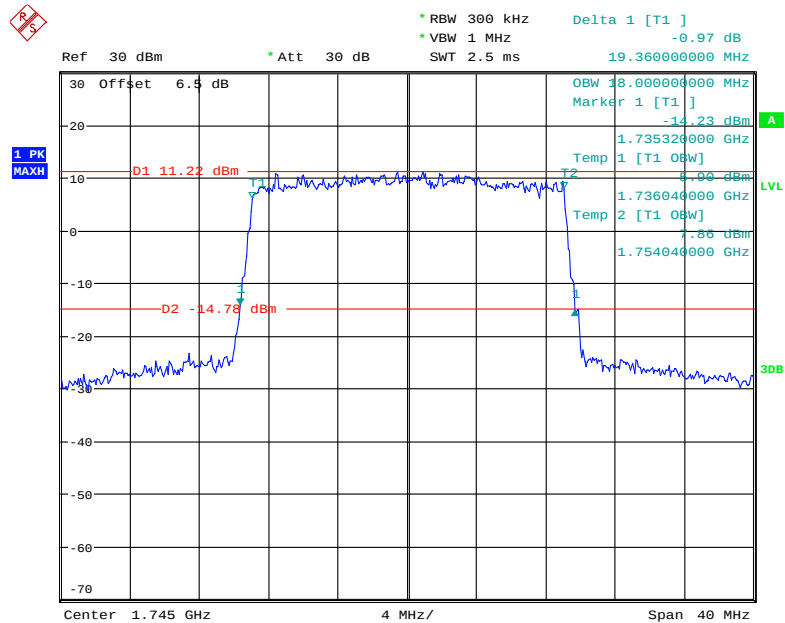
16-QAM (10.0 MHz) - 26 dB Bandwidth & 99% Occupied Bandwidth, Middle channel



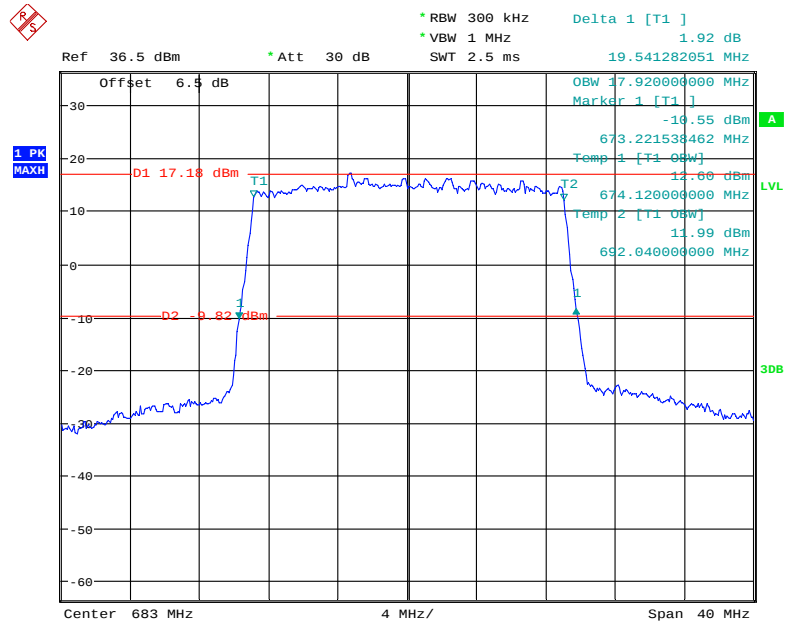
Date: 9.AUG.2020 15:37:10

LTE Band 66: (worst case)**QPSK (20.0 MHz) - 26 dB Bandwidth & 99% Occupied Bandwidth, Middle channel**

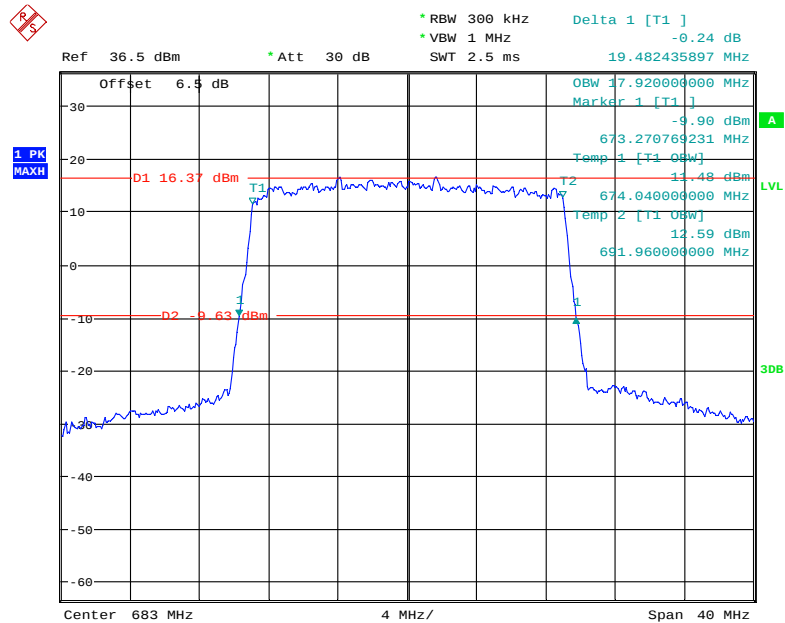
Date: 9.AUG.2020 15:09:55

16-QAM (20.0 MHz) - 26 dB Bandwidth & 99% Occupied Bandwidth, Middle channel

Date: 9.AUG.2020 15:10:14

LTE Band 71: (worst case)**QPSK (20.0 MHz) - 26 dB Bandwidth & 99% Occupied Bandwidth, Middle channel**

Date: 10.AUG.2020 10:44:46

16-QAM (20.0 MHz) - 26 dB Bandwidth & 99% Occupied Bandwidth, Middle channel

Date: 10.AUG.2020 10:35:57

SPURIOUS EMISSIONS AT ANTENNA TERMINALS**Test Data****Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	55 %
ATM Pressure:	101.0 kPa

The testing was performed by James Fu from 2020-08-09 to 2020-08-10.

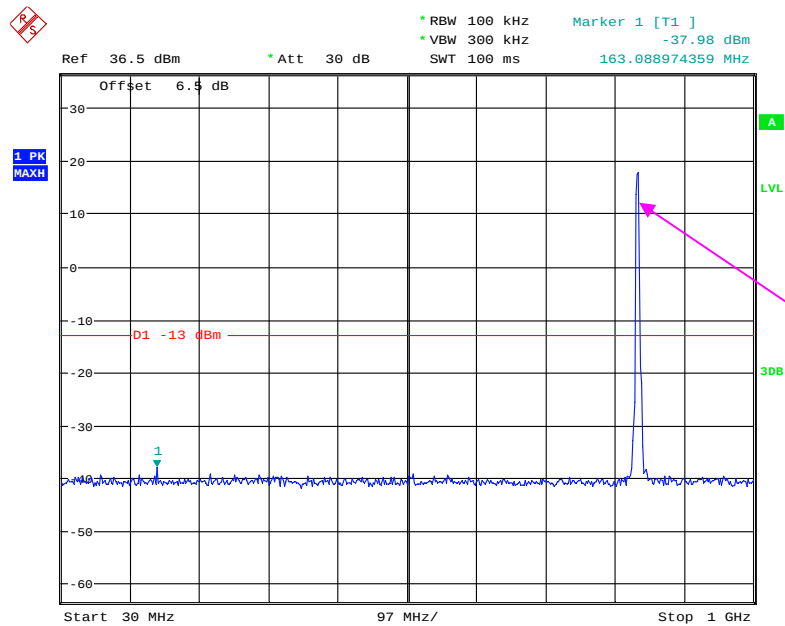
Test result: Compliance.

EUT operation mode: transmitting

Test Result: Compliance. Please refer to the following plots.

Cellular Band (Part 22H)

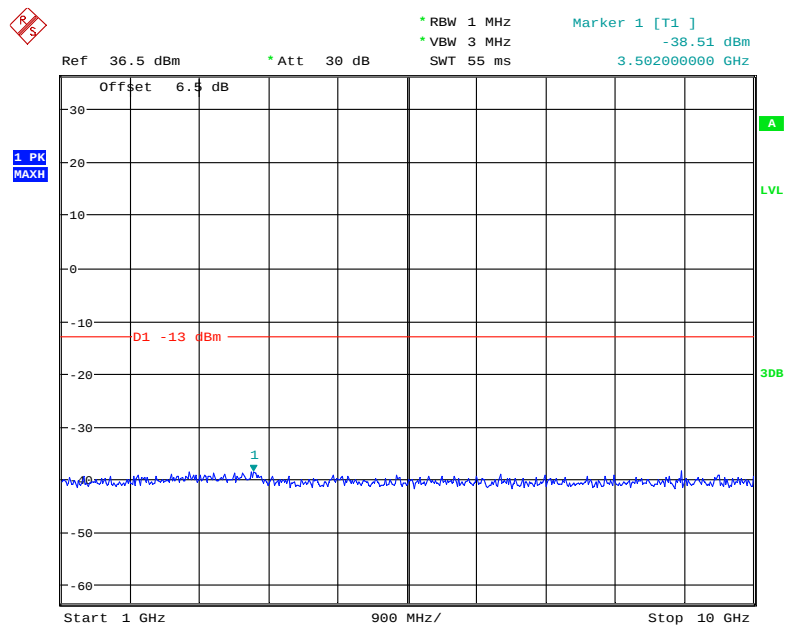
30 MHz – 1 GHz (WCDMA Mode)



Fundamental test

Date: 10.AUG.2020 15:35:05

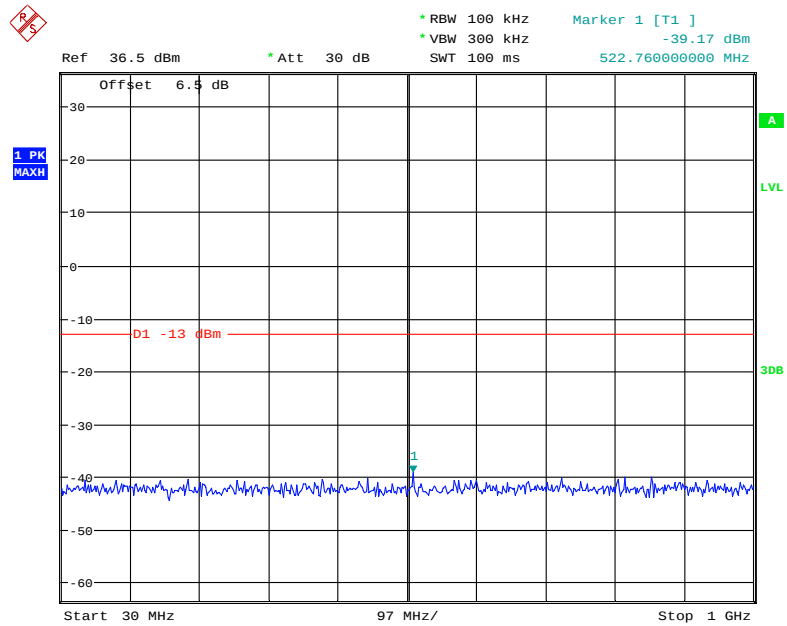
1 GHz – 10 GHz (WCDMA Mode)



Date: 10.AUG.2020 15:35:47

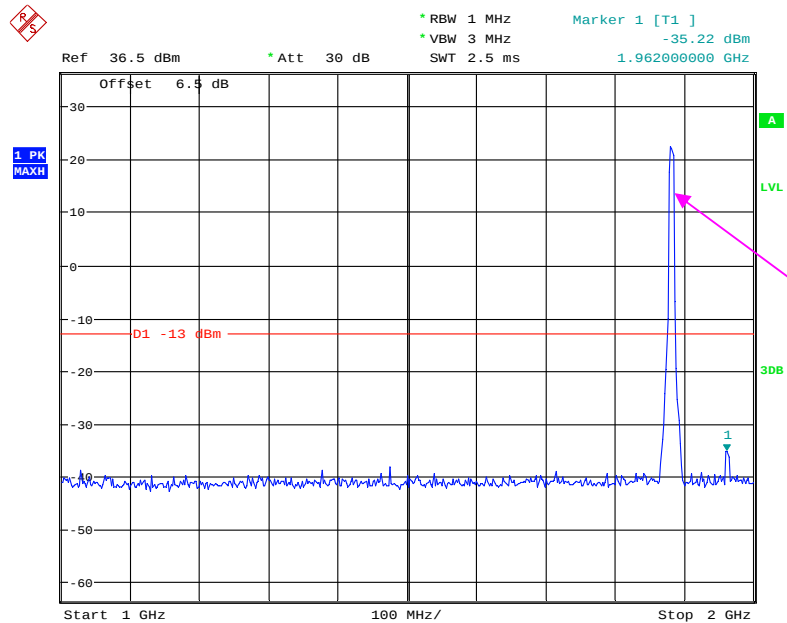
PCS Band (Part 24E)

30 MHz – 1 GHz (WCDMA Mode)



Date: 10.AUG.2020 15:34:01

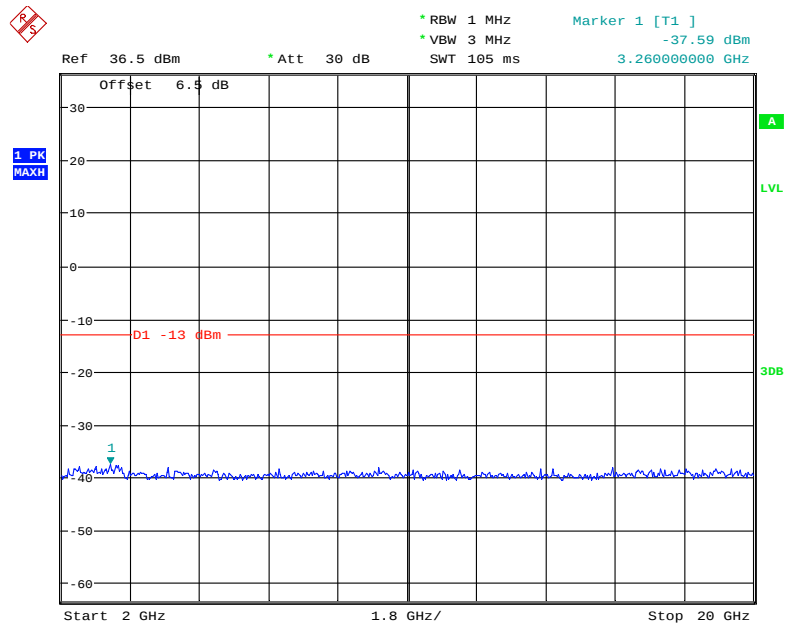
1 GHz – 2 GHz (WCDMA Mode)



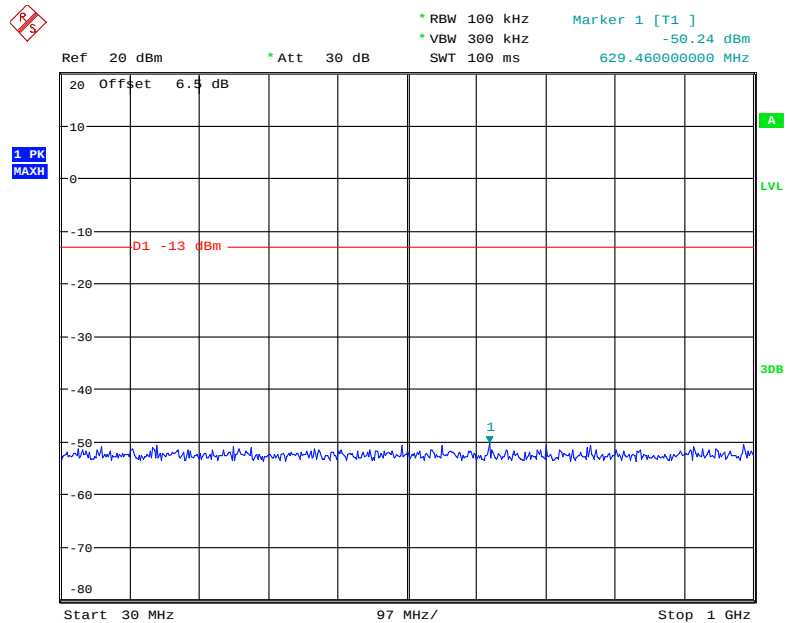
Fundamental test

Date: 10.AUG.2020 15:33:13

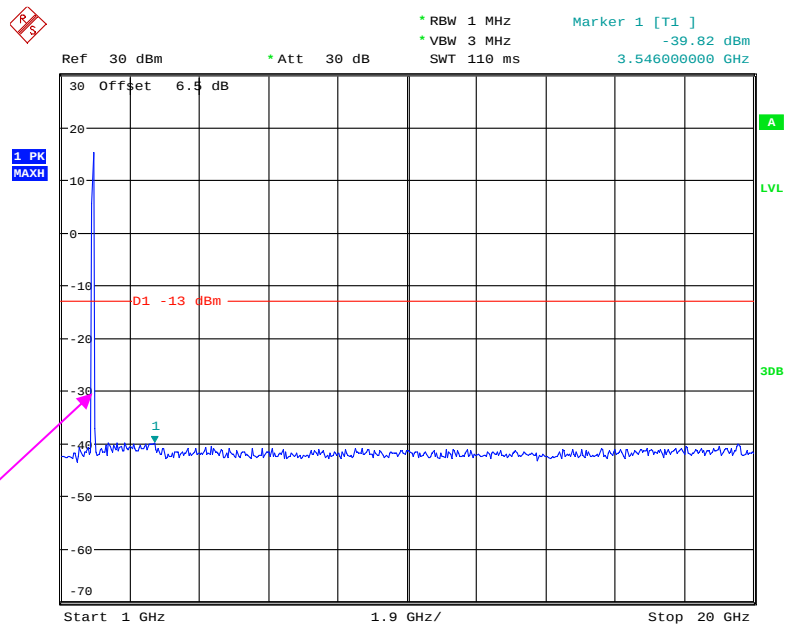
2 GHz – 20 GHz (WCDMA Mode)



Date: 10.AUG.2020 15:32:45

LTE Band 2: (worst case)**30 MHz - 1 GHz (20.0 MHz, Middle Channel)**

Date: 9.AUG.2020 14:53:45

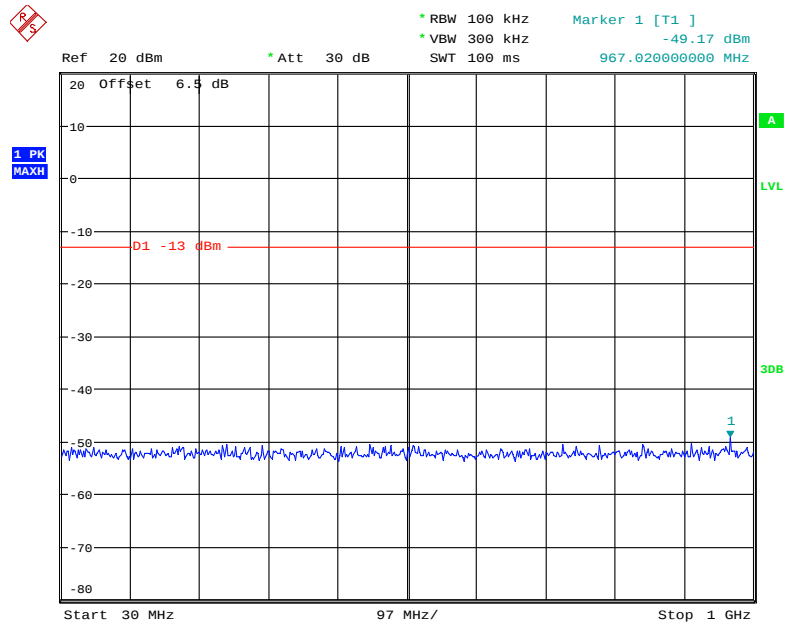
1 GHz - 20 GHz (20.0 MHz, Middle Channel)

Fundamental test

Date: 9.AUG.2020 14:53:55

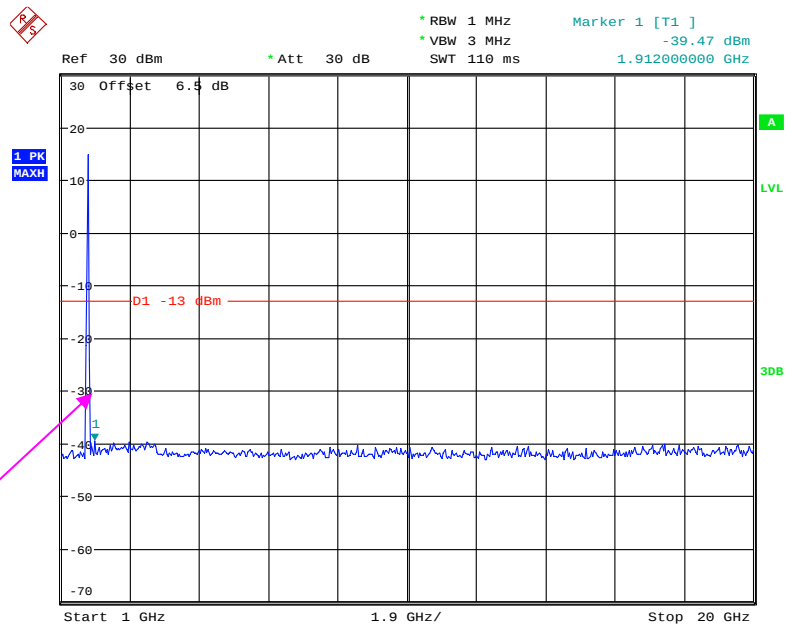
LTE Band 4: (worst case)

30 MHz - 1 GHz (20.0 MHz, Middle Channel)



Date: 9.AUG.2020 14:56:49

1 GHz - 20 GHz (20.0 MHz, Middle Channel)

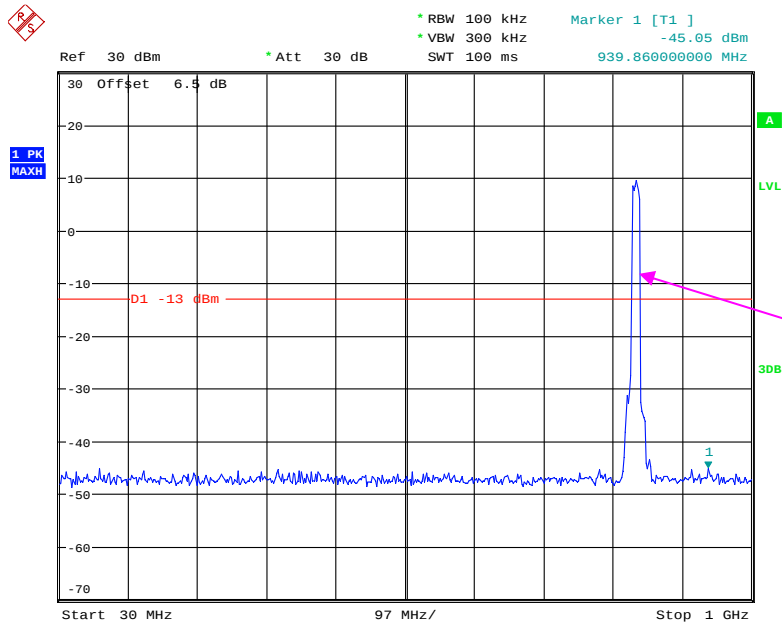


Fundamental test

Date: 9.AUG.2020 14:57:00

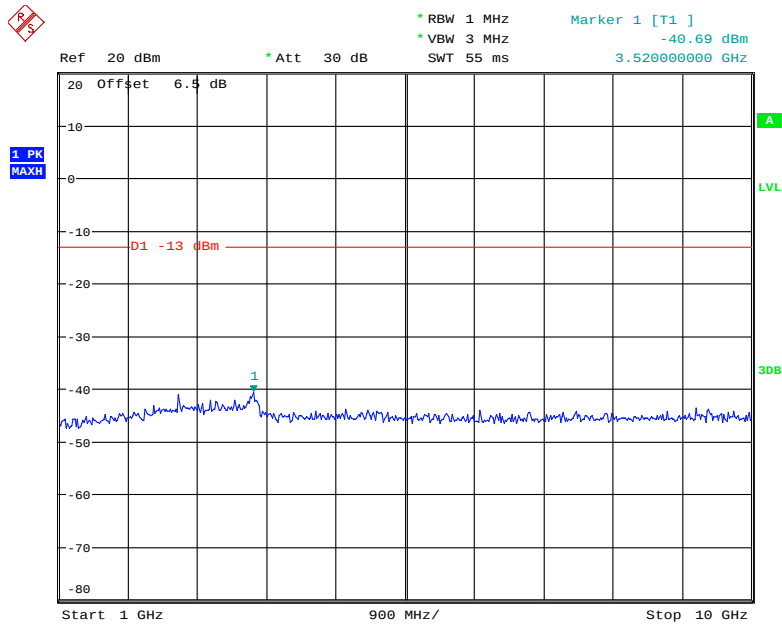
LTE Band 5: (worst case)

30 MHz - 1 GHz (10.0 MHz, Middle Channel)



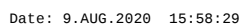
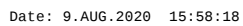
Date: 9.AUG.2020 15:56:16

1 GHz - 10 GHz (10.0 MHz, Middle Channel)



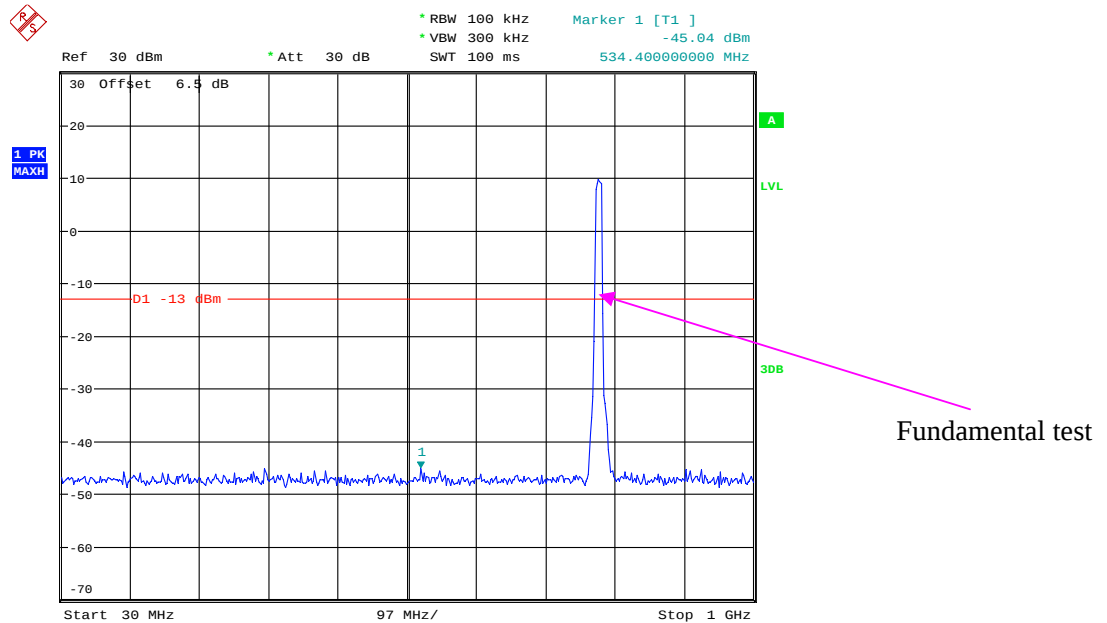
Date: 9.AUG.2020 15:56:26

30 MHz - 1 GHz (10.0 MHz, Middle Channel)



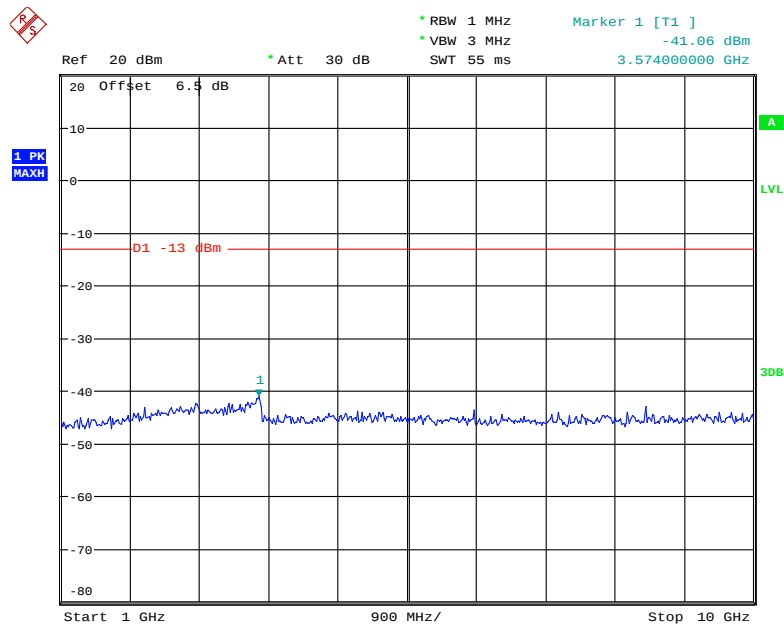
LTE Band 13: (worst case)

30 MHz - 1 GHz (10.0 MHz, Middle Channel)



Date: 9.AUG.2020 15:59:19

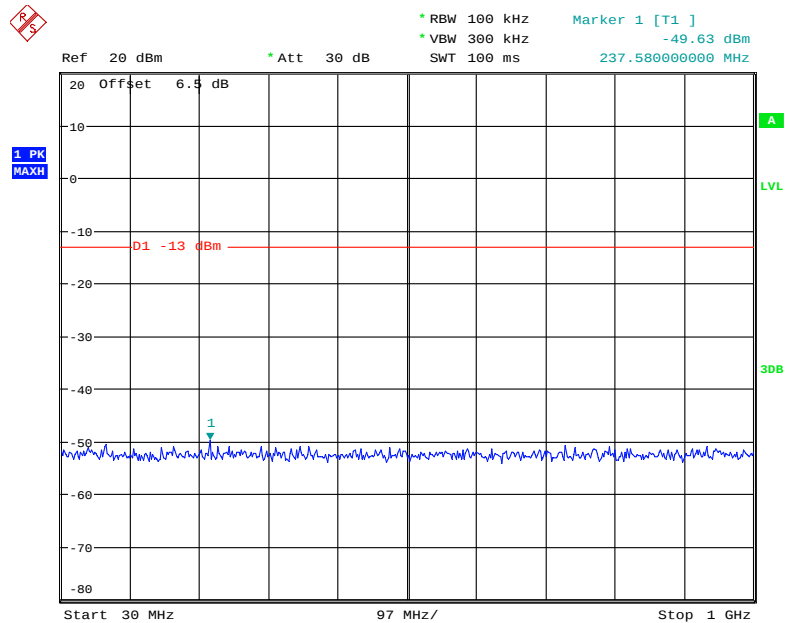
1 GHz - 10 GHz (10.0 MHz, Middle Channel)



Date: 9.AUG.2020 15:59:29

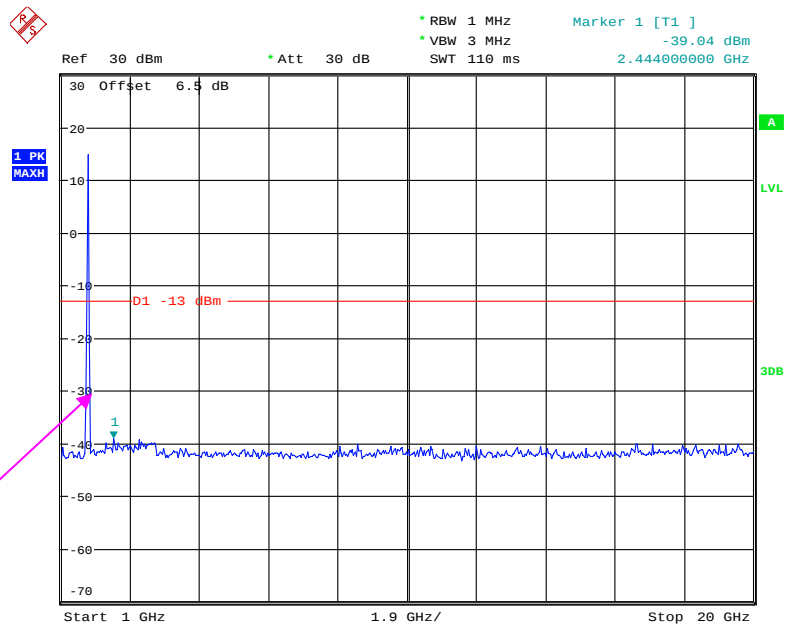
LTE Band 66: (worst case)

30 MHz - 1 GHz (20.0 MHz, Middle Channel)



Date: 9.AUG.2020 15:20:54

1 GHz - 20 GHz (20.0 MHz, Middle Channel)

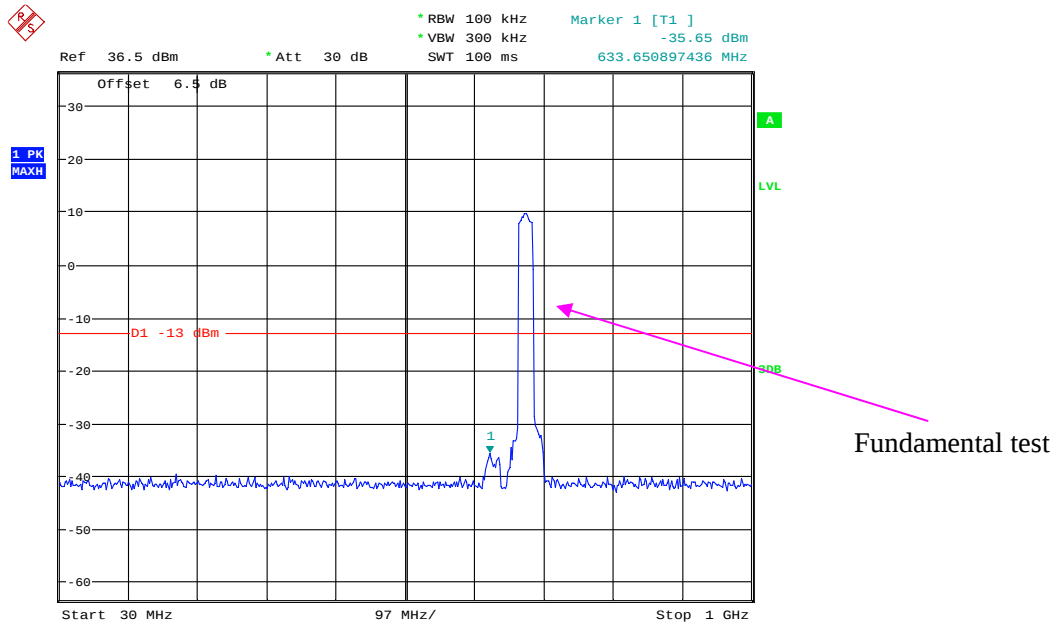


Fundamental test

Date: 9.AUG.2020 15:21:04

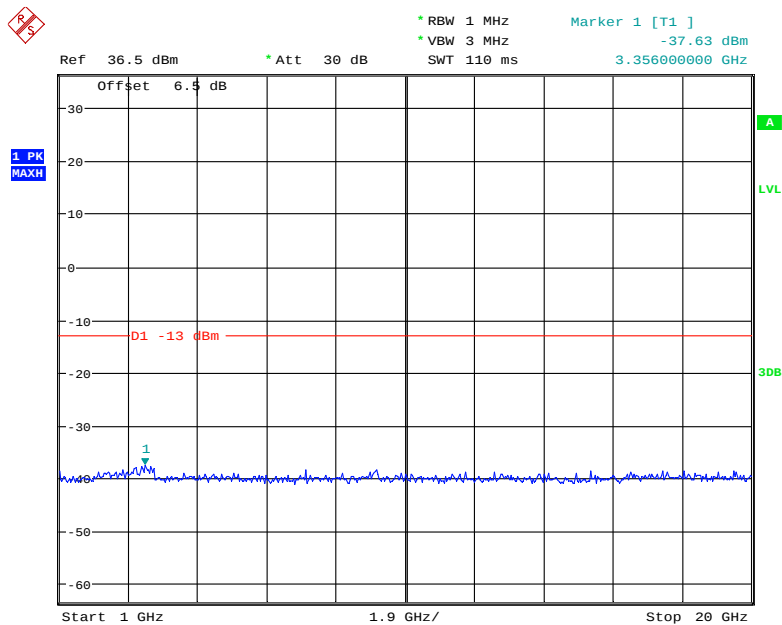
LTE Band 71: (worst case)

30 MHz - 1 GHz (20.0 MHz, Middle Channel)



Date: 10.AUG.2020 10:47:53

1 GHz - 20 GHz (20.0 MHz, Middle Channel)



Date: 10.AUG.2020 10:49:32

BAND EDGES**Test Data****Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	55 %
ATM Pressure:	101.0 kPa

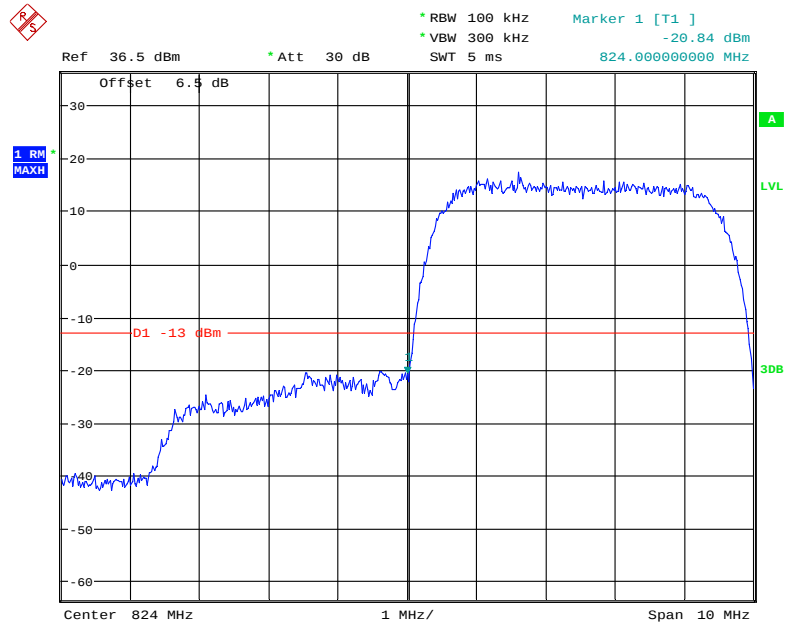
The testing was performed by James Fu on 2020-08-10.

Test result: Compliance.

EUT operation mode: transmitting

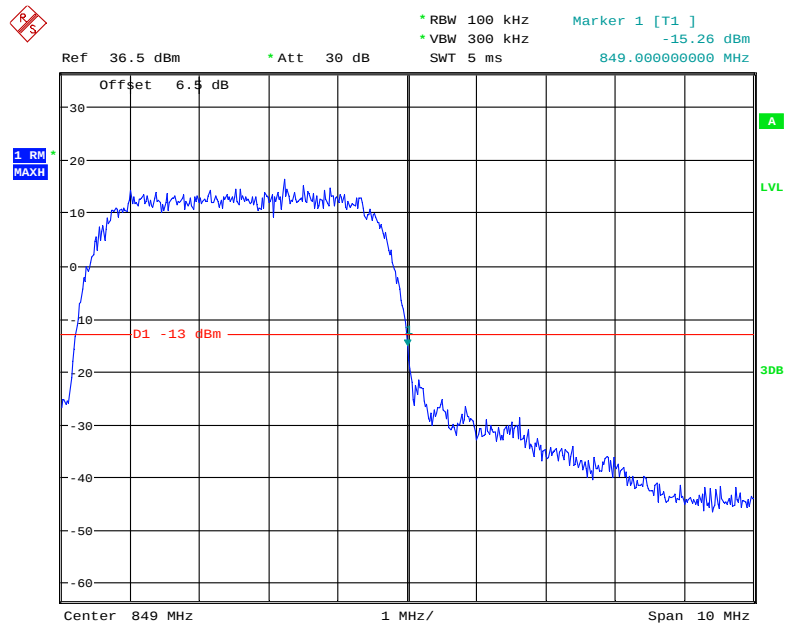
Test Result: Compliance. Please refer to the following plots.

Cellular Band, Left Band Edge for WCDMA (BPSK) Mode



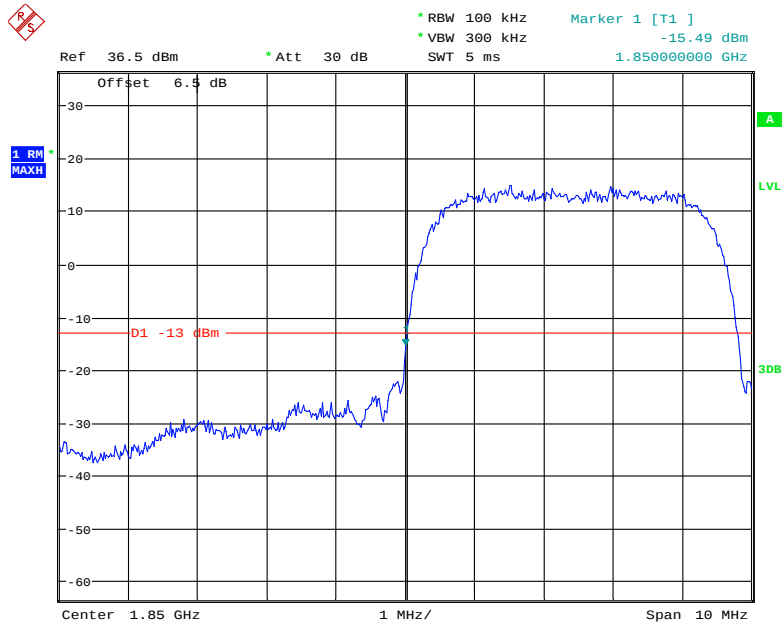
Date: 10.AUG.2020 15:22:12

Cellular Band, Right Band Edge for WCDMA (BPSK) Mode



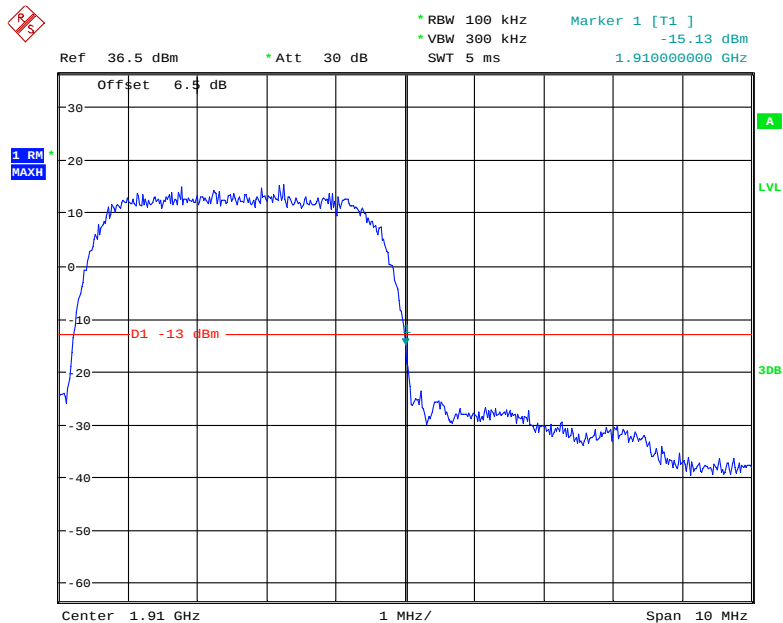
Date: 10.AUG.2020 15:24:53

PCS Band, Left Band Edge for WCDMA (BPSK) Mode



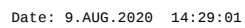
Date: 10.AUG.2020 15:18:14

PCS Band, Right Band Edge for WCDMA (BPSK) Mode



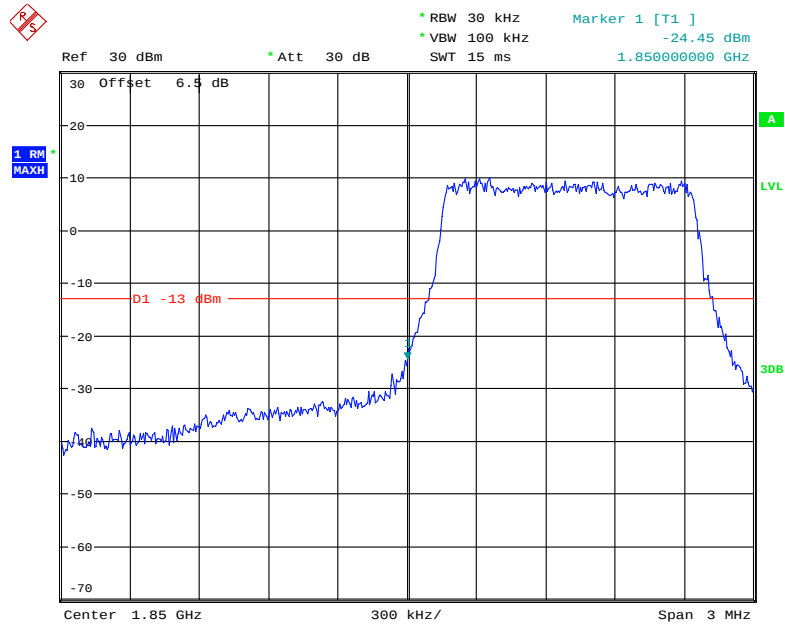
Date: 10.AUG.2020 15:20:40

QPSK (1.4 MHz, FULL RB) - Left Band Edge



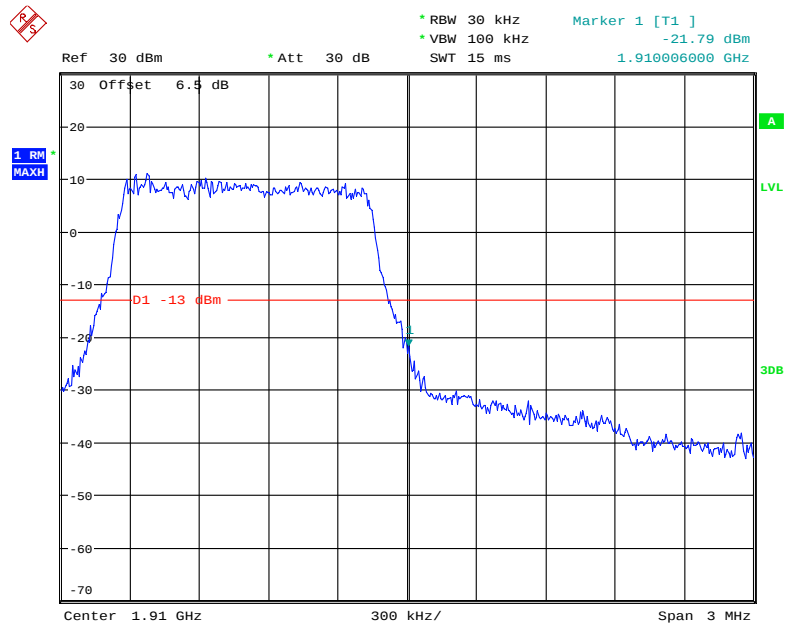
Date: 9.AUG.2020 14:29:33

16-QAM (1.4 MHz, FULL RB) - Left Band Edge



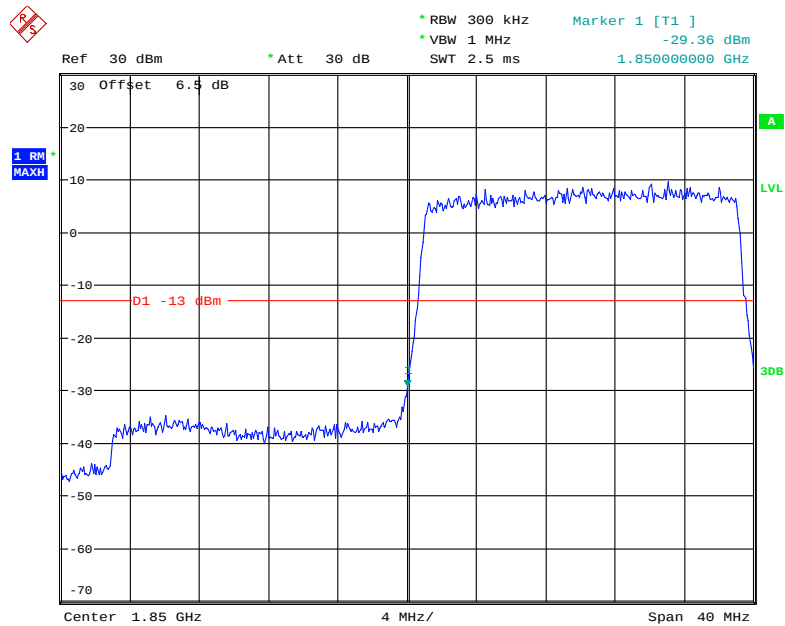
Date: 9.AUG.2020 14:29:17

16-QAM (1.4 MHz, FULL RB) - Right Band Edge



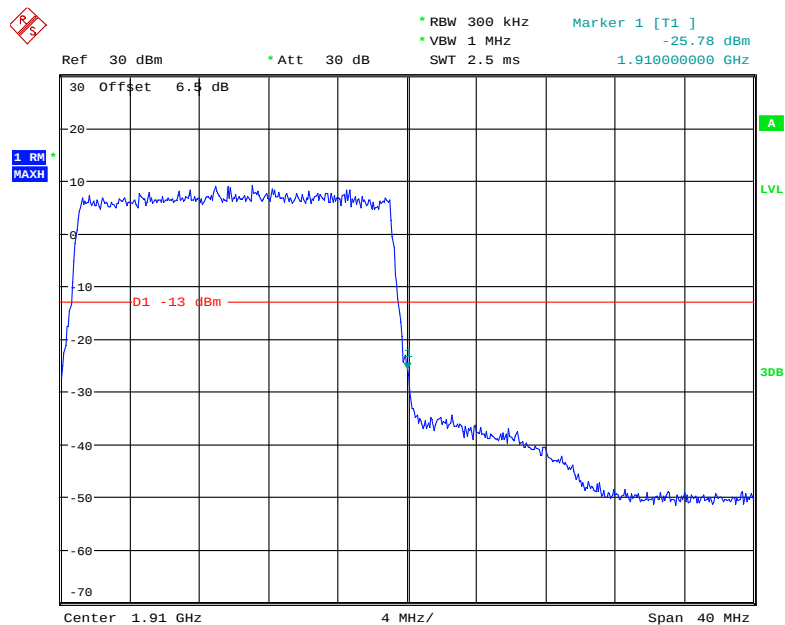
Date: 9.AUG.2020 14:29:49

QPSK (20.0 MHz, FULL RB) - Left Band Edge

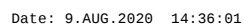
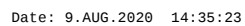


Date: 9.AUG.2020 14:35:04

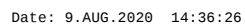
QPSK (20.0 MHz, FULL RB) - Right Band Edge



Date: 9.AUG.2020 14:35:42

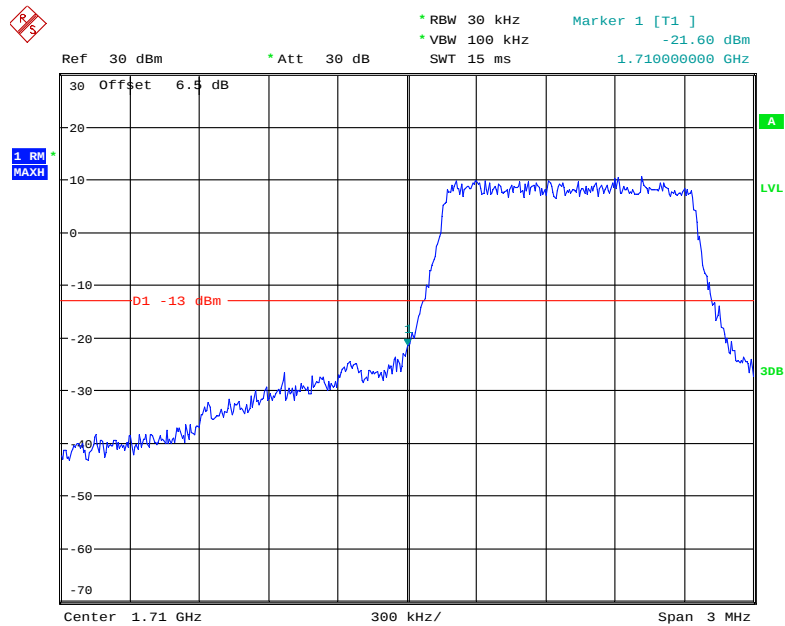


QPSK (1.4 MHz, FULL RB) - Left Band Edge



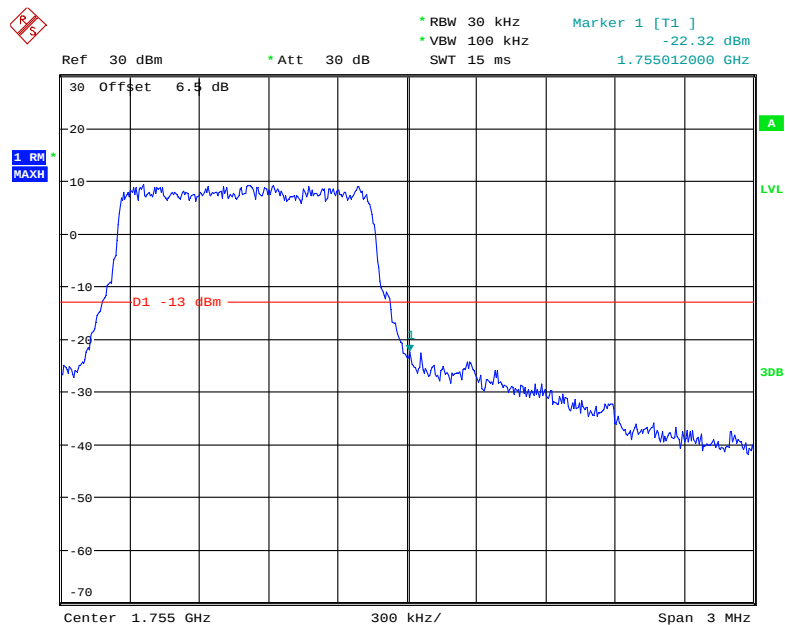
Date: 9.AUG.2020 14:37:01

16-QAM (1.4 MHz, FULL RB) - Left Band Edge



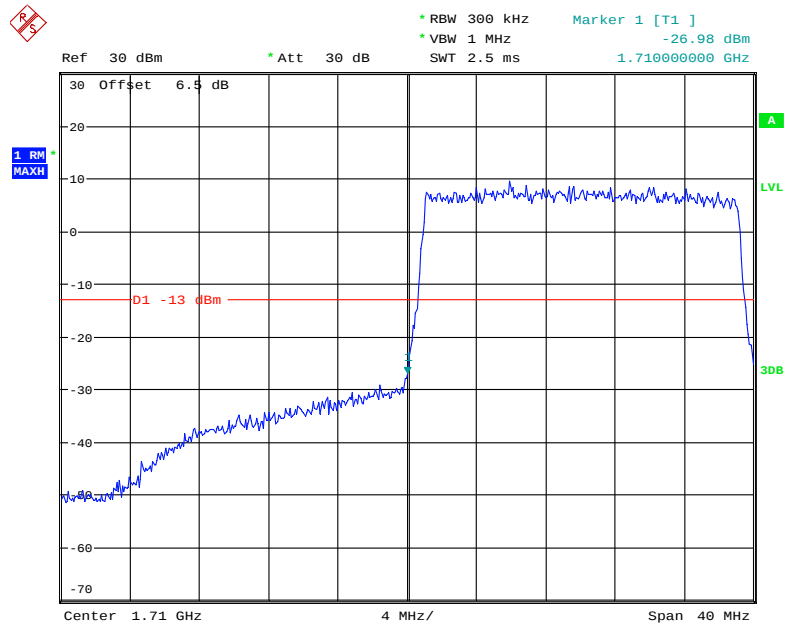
Date: 9.AUG.2020 14:36:45

16-QAM (1.4 MHz, FULL RB) - Right Band Edge



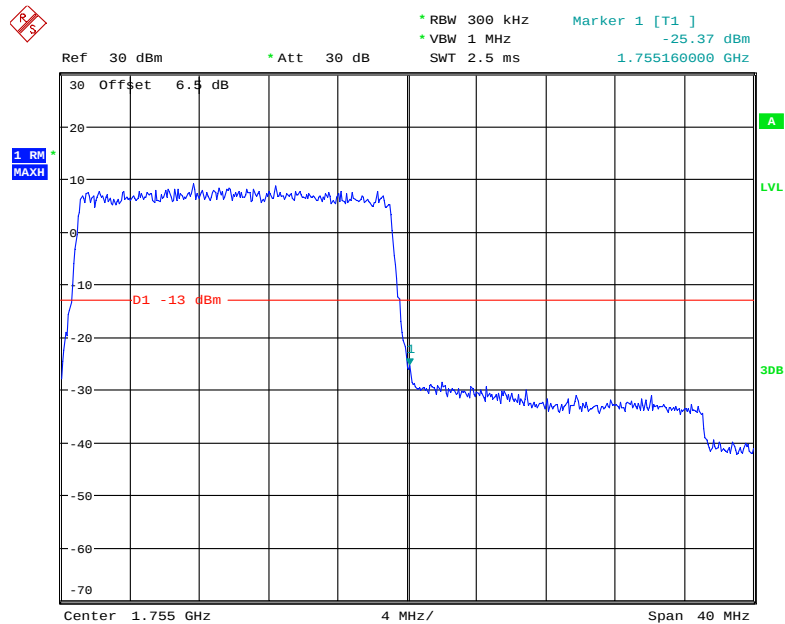
Date: 9.AUG.2020 14:37:16

QPSK (20.0 MHz, FULL RB) - Left Band Edge



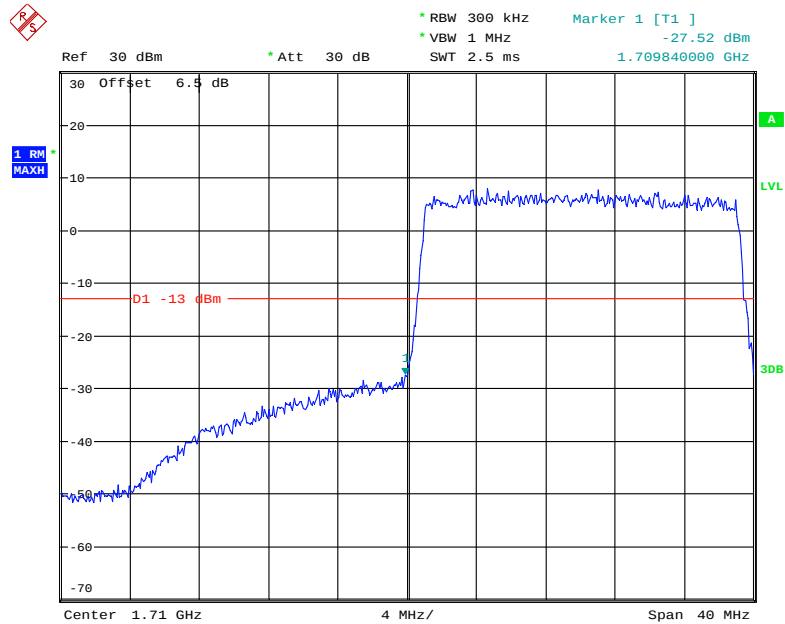
Date: 9.AUG.2020 14:49:52

QPSK (20.0 MHz, FULL RB) - Right Band Edge



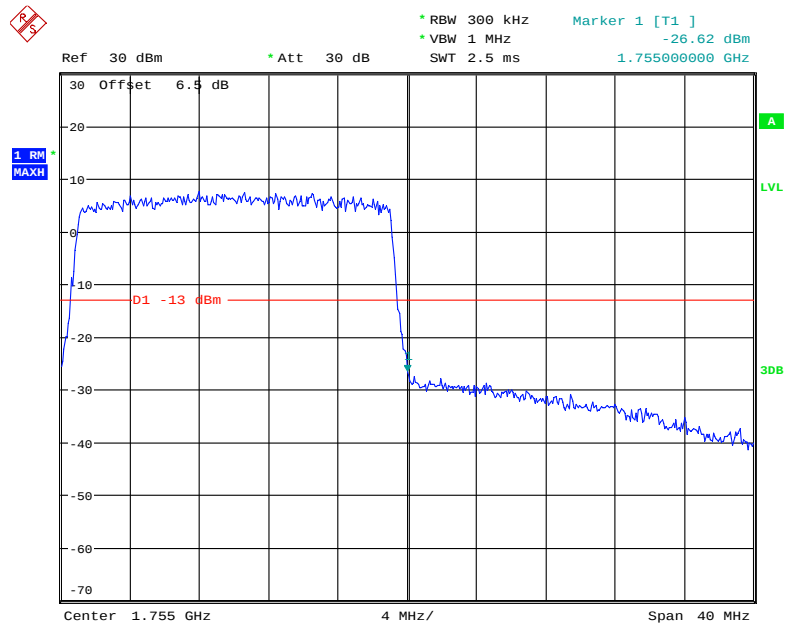
Date: 9.AUG.2020 14:50:31

16-QAM (20.0 MHz, FULL RB) - Left Band Edge

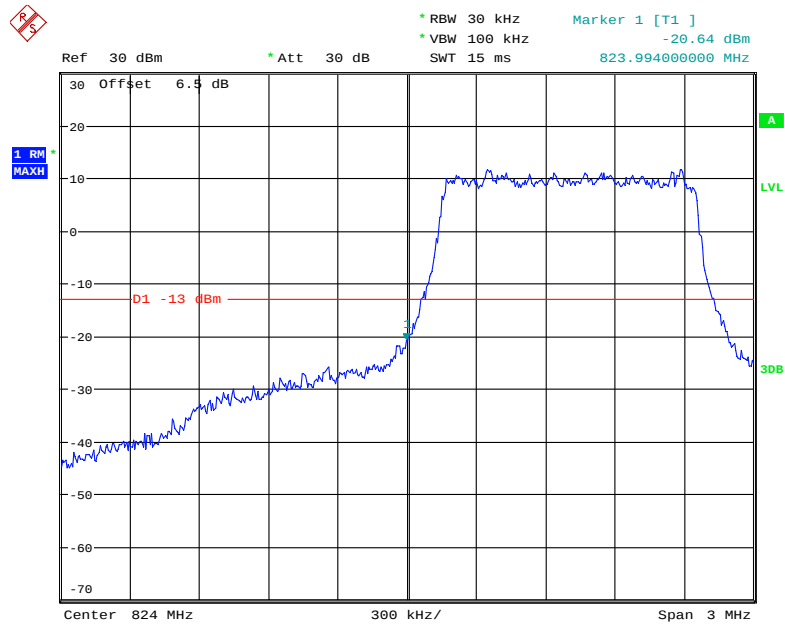


Date: 9.AUG.2020 14:50:11

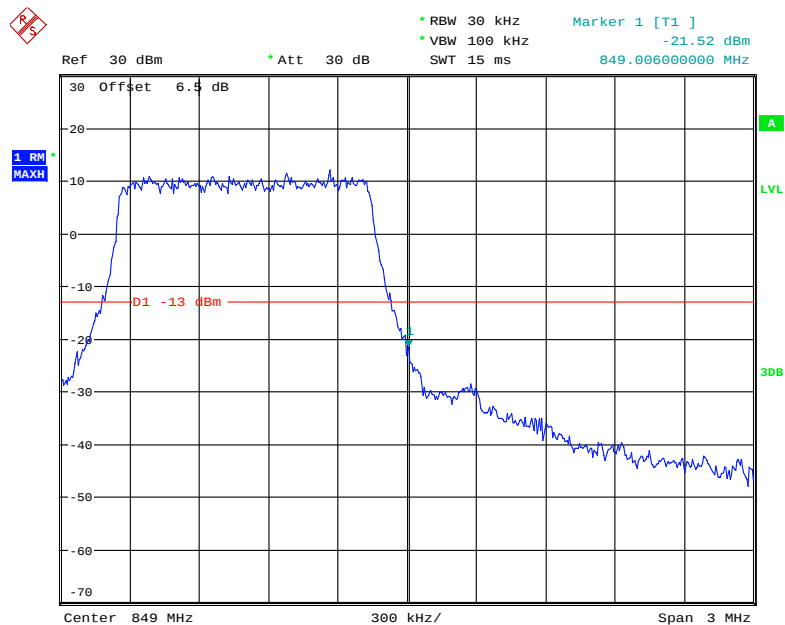
16-QAM (20.0 MHz, FULL RB) - Right Band Edge



Date: 9.AUG.2020 14:50:50

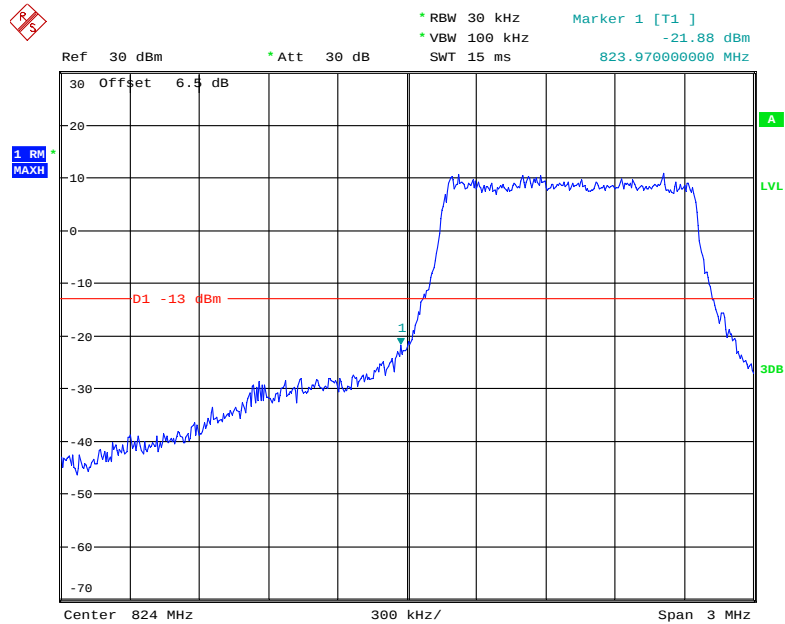
LTE Band 5: (worst case)**QPSK (1.4 MHz, FULL RB) - Left Band Edge**

Date: 9.AUG.2020 15:40:26

QPSK (1.4 MHz, FULL RB) - Right Band Edge

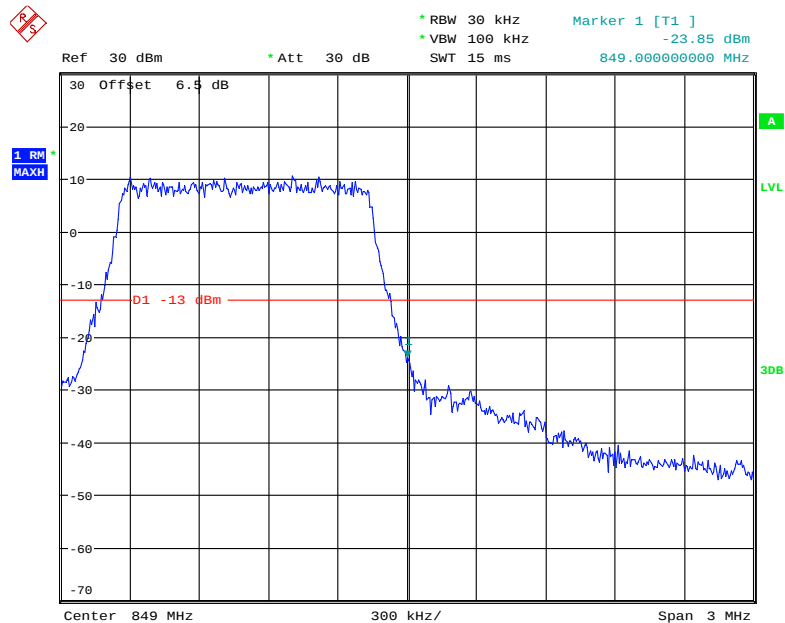
Date: 9.AUG.2020 15:41:04

16-QAM (1.4 MHz, FULL RB) - Left Band Edge



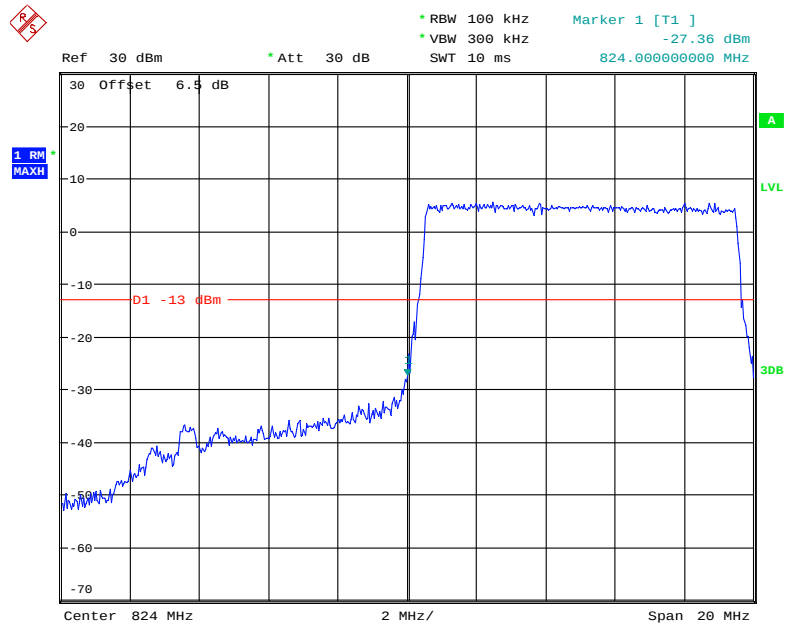
Date: 9.AUG.2020 15:40:45

16-QAM (1.4 MHz, FULL RB) - Right Band Edge



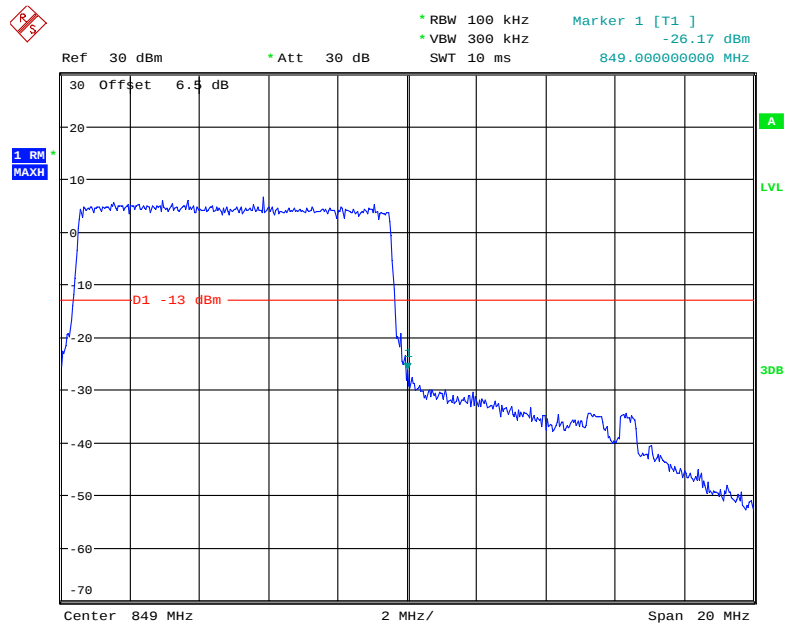
Date: 9.AUG.2020 15:41:20

QPSK (10.0 MHz, FULL RB) - Left Band Edge



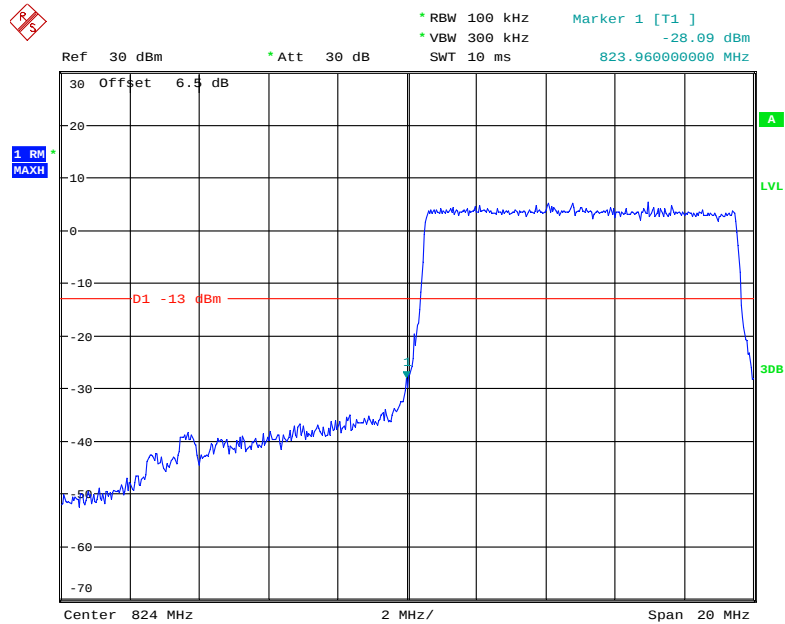
Date: 9.AUG.2020 15:43:57

QPSK (10.0 MHz, FULL RB) - Right Band Edge



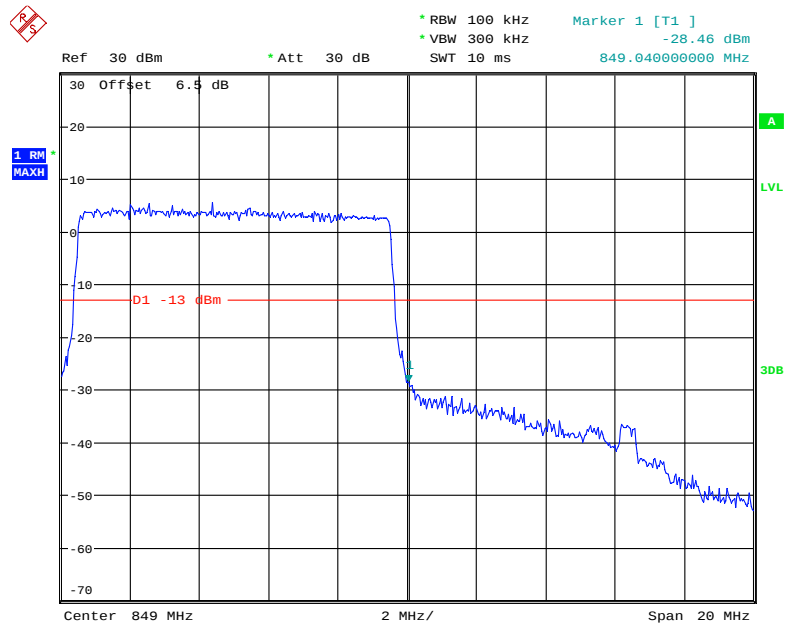
Date: 9.AUG.2020 15:44:31

16-QAM (10.0 MHz, FULL RB) - Left Band Edge

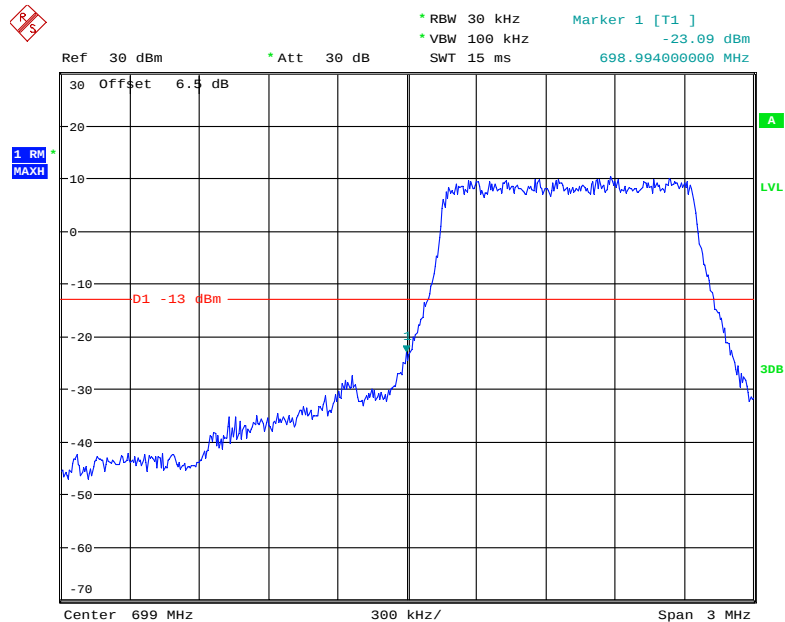


Date: 9.AUG.2020 15:44:14

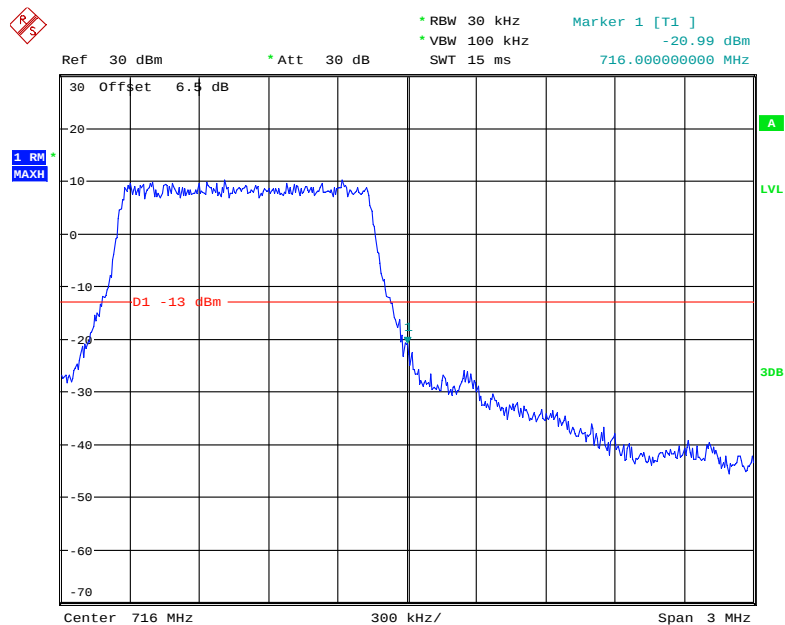
16-QAM (10.0 MHz, FULL RB) - Right Band Edge



Date: 9.AUG.2020 15:44:48

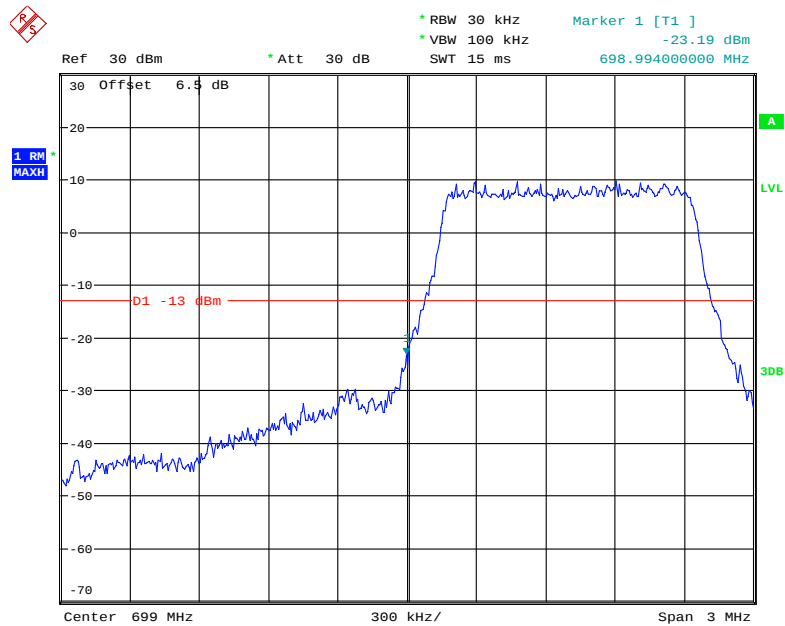
LTE Band 12: (worst case)**QPSK (1.4 MHz, FULL RB) - Left Band Edge**

Date: 9.AUG.2020 15:45:13

QPSK (1.4 MHz, FULL RB) - Right Band Edge

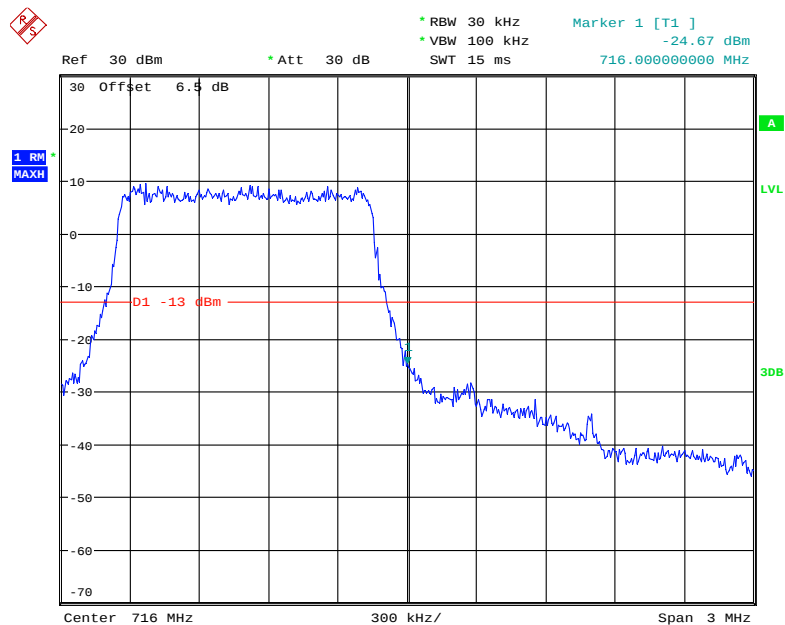
Date: 9.AUG.2020 15:45:48

16-QAM (1.4 MHz, FULL RB) - Left Band Edge



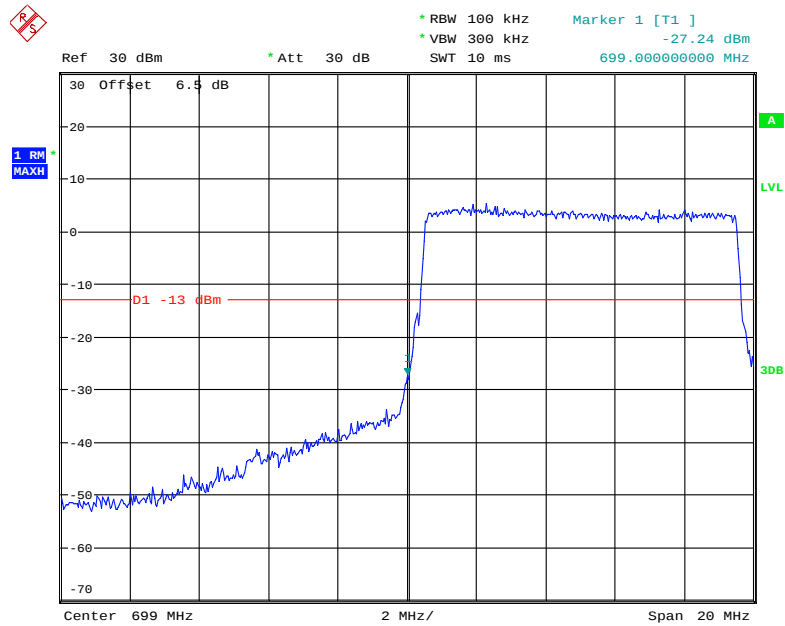
Date: 9.AUG.2020 15:45:32

16-QAM (1.4 MHz, FULL RB) - Right Band Edge



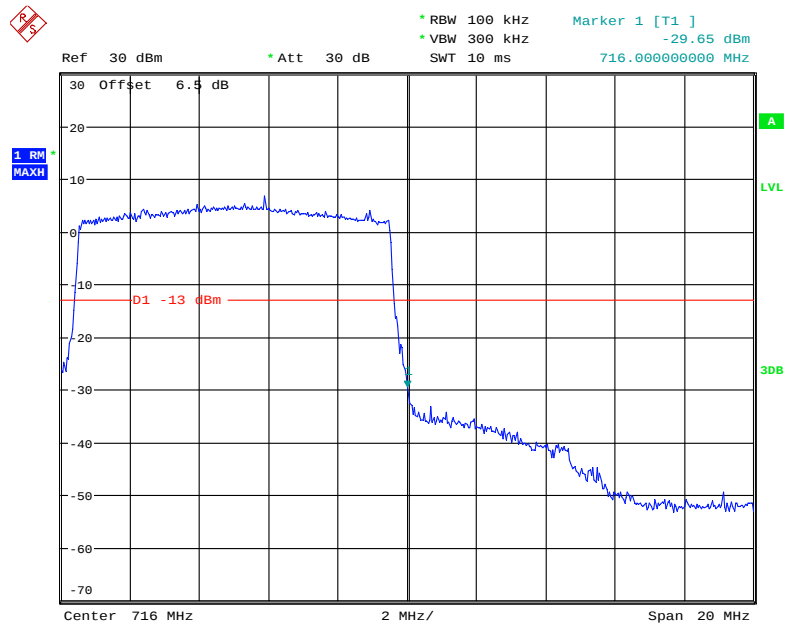
Date: 9.AUG.2020 15:46:04

QPSK (10.0 MHz, FULL RB) - Left Band Edge



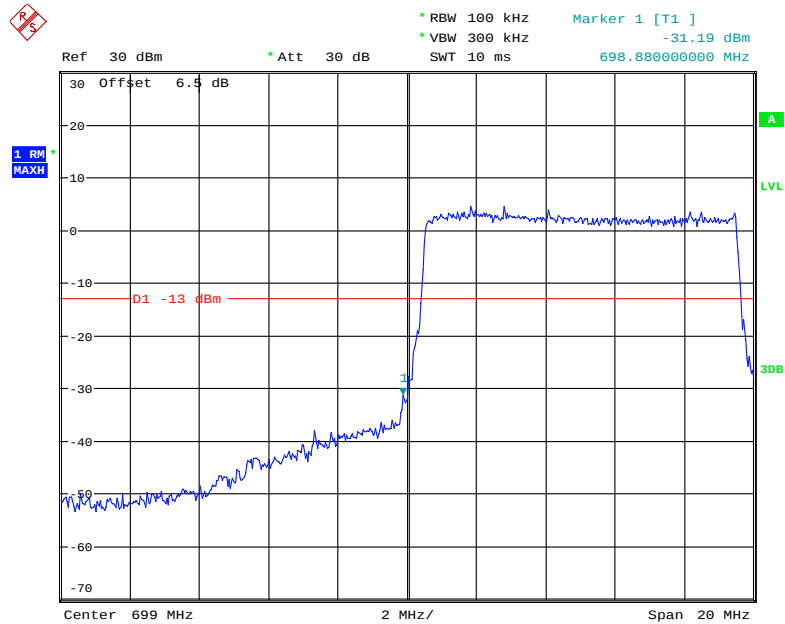
Date: 9.AUG.2020 15:48:50

QPSK (10.0 MHz, FULL RB) - Right Band Edge



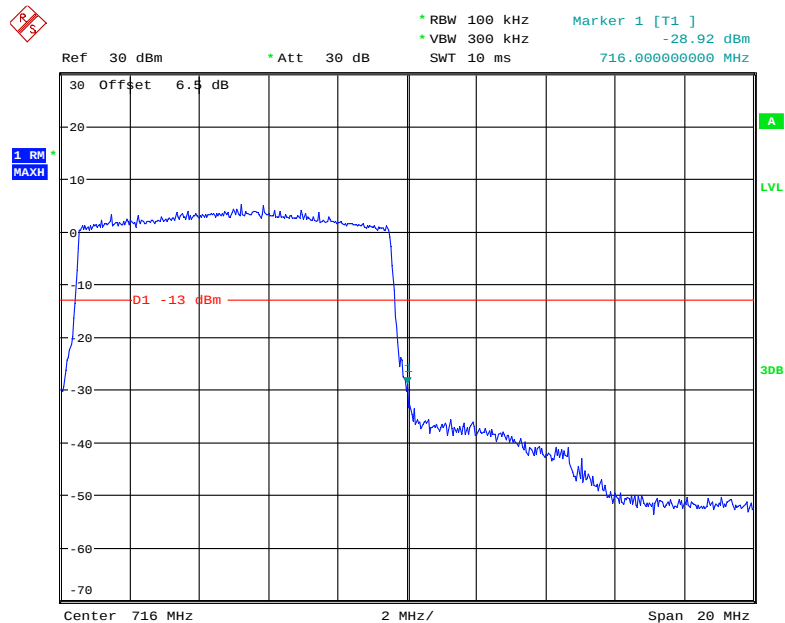
Date: 9.AUG.2020 15:49:24

16-QAM (10.0 MHz, FULL RB) - Left Band Edge



Date: 9.AUG.2020 15:49:07

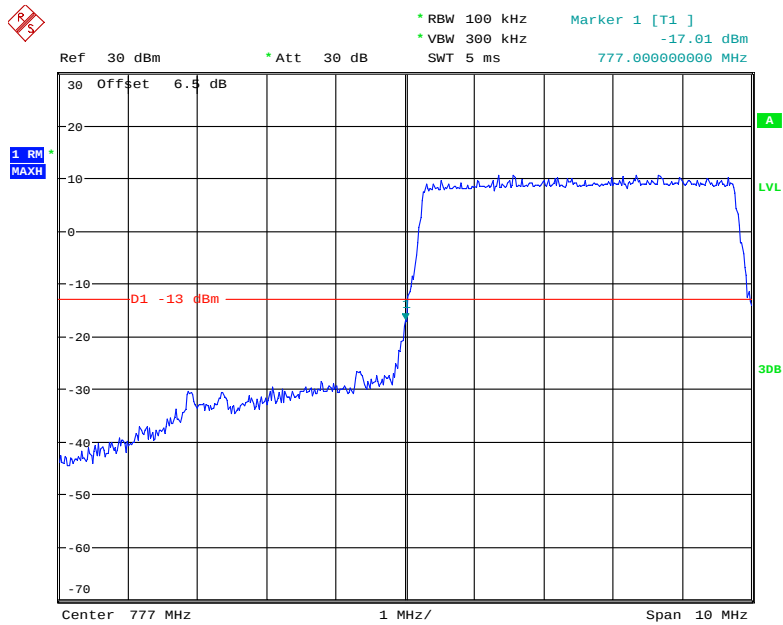
16-QAM (10.0 MHz, FULL RB) - Right Band Edge



Date: 9.AUG.2020 15:49:41

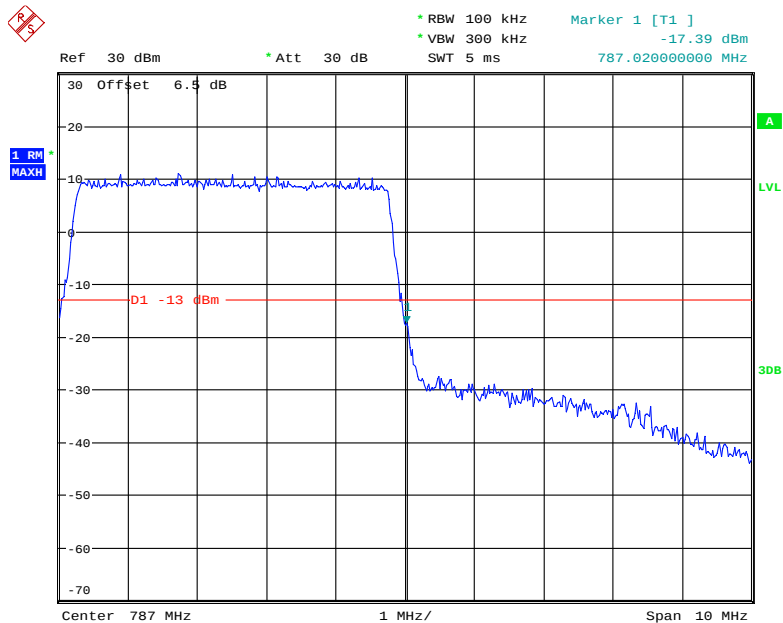
LTE Band 13: (worst case)

QPSK (5.0 MHz, FULL RB) - Left Band Edge



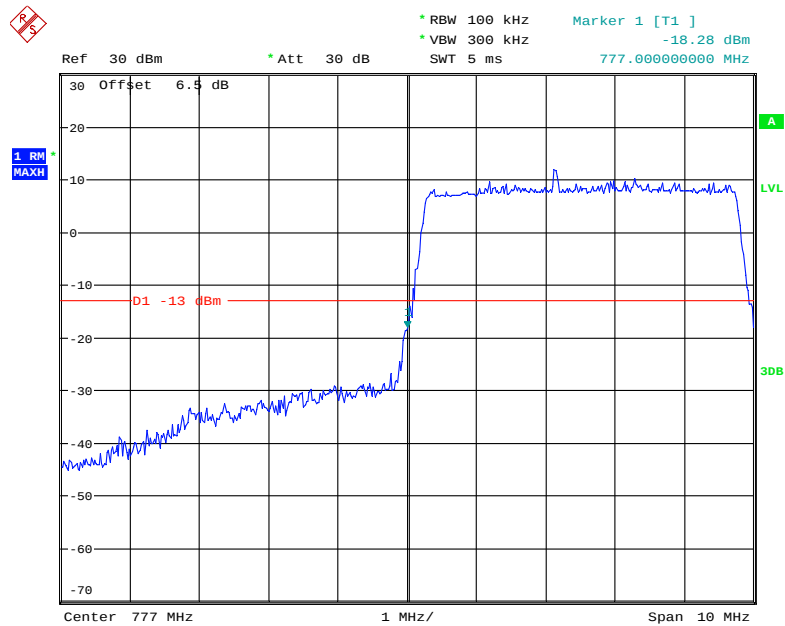
Date: 9.AUG.2020 15:50:08

QPSK (5.0 MHz, FULL RB) - Right Band Edge



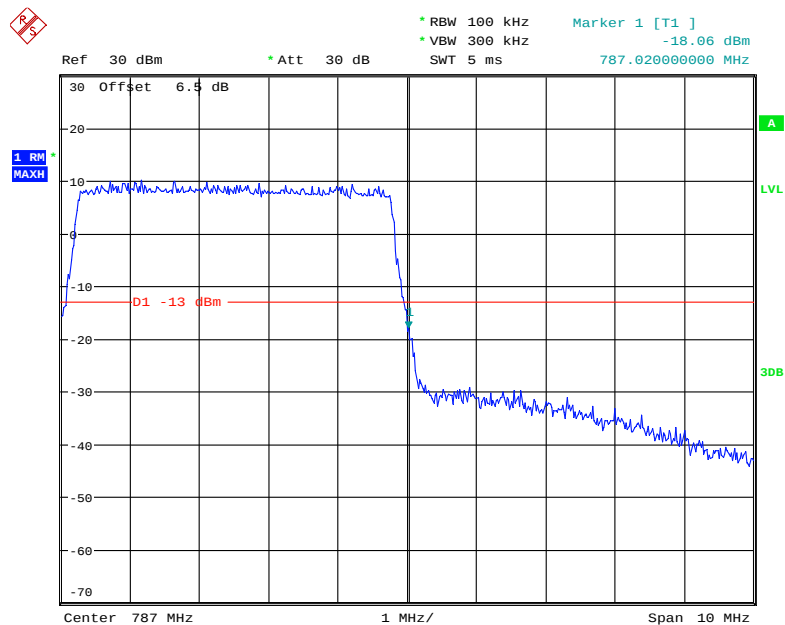
Date: 9.AUG.2020 15:50:40

16-QAM (5.0 MHz, FULL RB) - Left Band Edge



Date: 9.AUG.2020 15:50:24

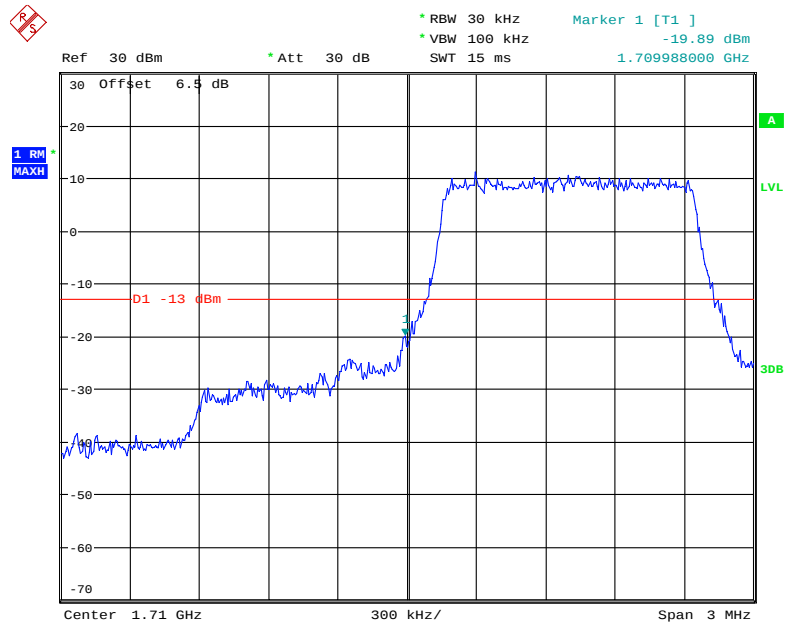
16-QAM (5.0 MHz, FULL RB) - Right Band Edge



Date: 9.AUG.2020 15:50:59

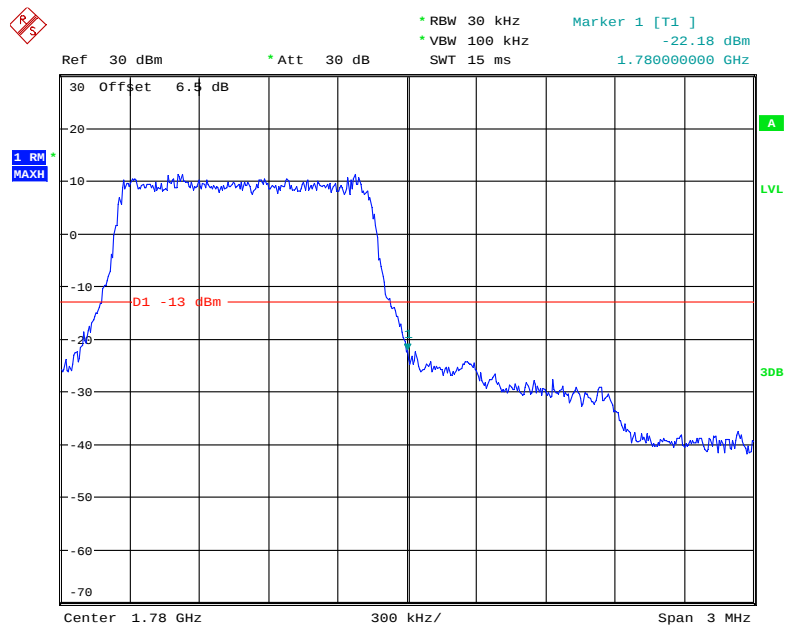
LTE Band 66: (worst case)

QPSK (1.4 MHz, FULL RB) - Left Band Edge



Date: 9.AUG.2020 15:11:02

QPSK (1.4 MHz, FULL RB) - Right Band Edge



Date: 9.AUG.2020 15:11:34

Ref 30 dBm * Att 30 dB * RBW 30 kHz Marker 1 [T1] -23.46 dBm
 * VBW 100 kHz SWT 15 ms 1.710000000 GHz

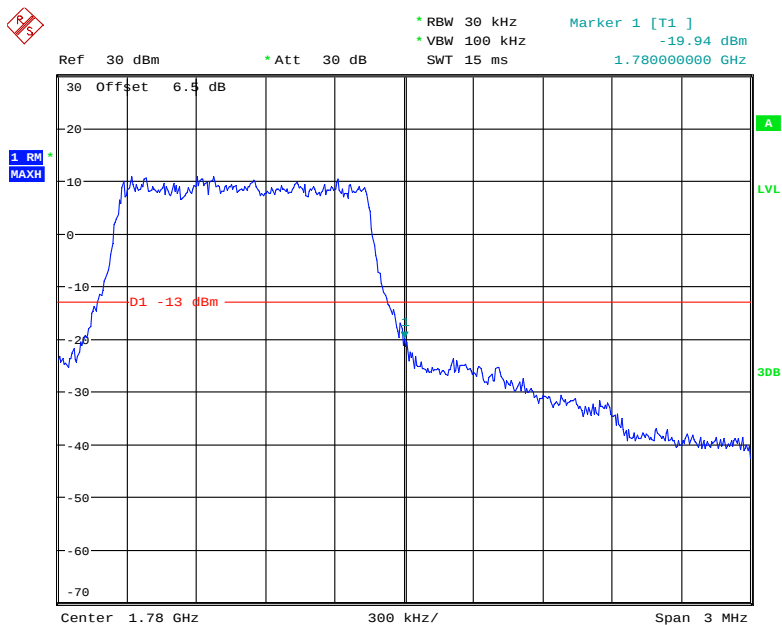
1. RM
 MAXH

Offset 6.5 dB

D1 -13 dBm

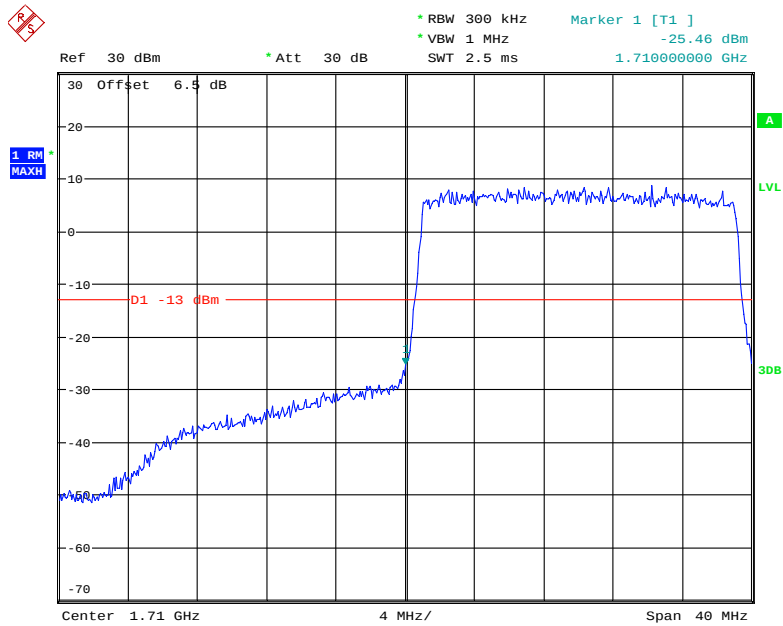
Center 1.71 GHz 300 kHz/ Span 3 MHz

16-QAM (1.4 MHz, FULL RB) - Right Band Edge



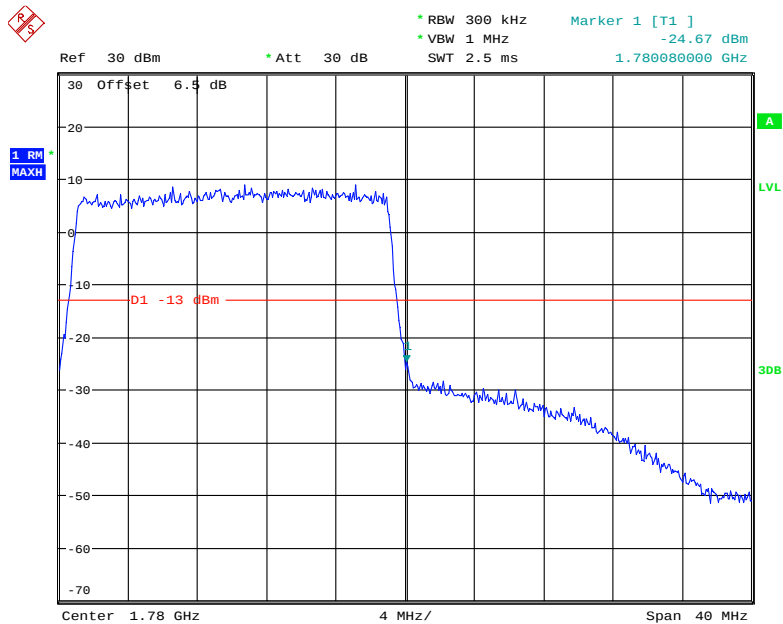
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QPSK (20.0 MHz, FULL RB) - Left Band Edge



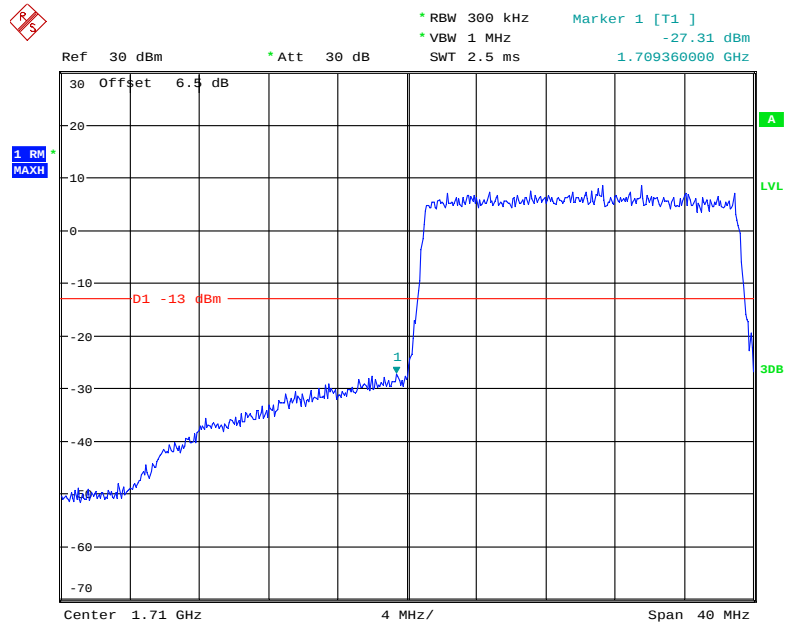
Date: 9.AUG.2020 15:17:01

QPSK (20.0 MHz, FULL RB) - Right Band Edge



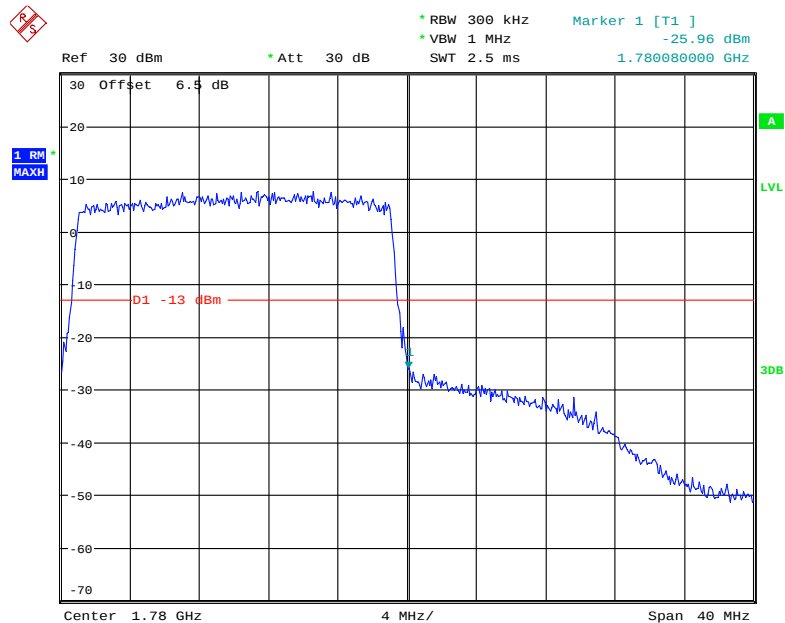
Date: 9.AUG.2020 15:17:40

16-QAM (20.0 MHz, FULL RB) - Left Band Edge



Date: 9.AUG.2020 15:17:20

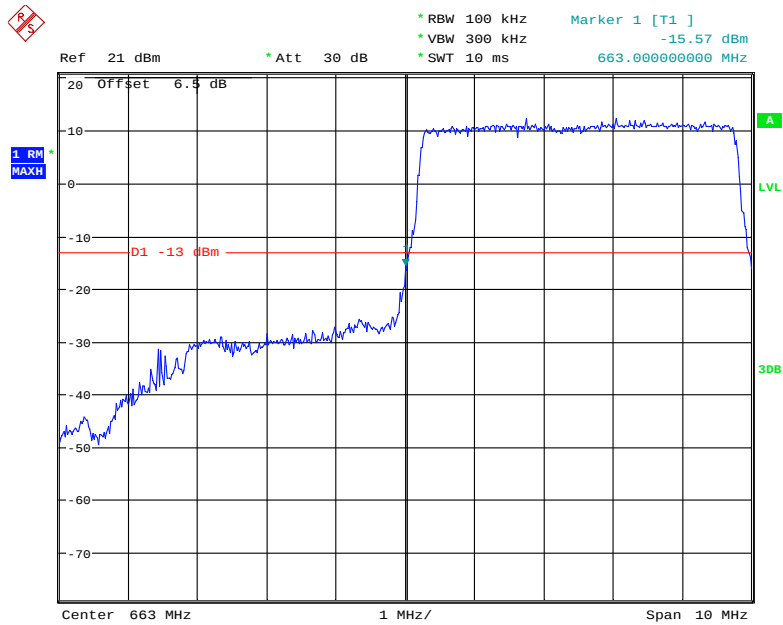
16-QAM (20.0 MHz, FULL RB) - Right Band Edge



Date: 9.AUG.2020 15:17:59

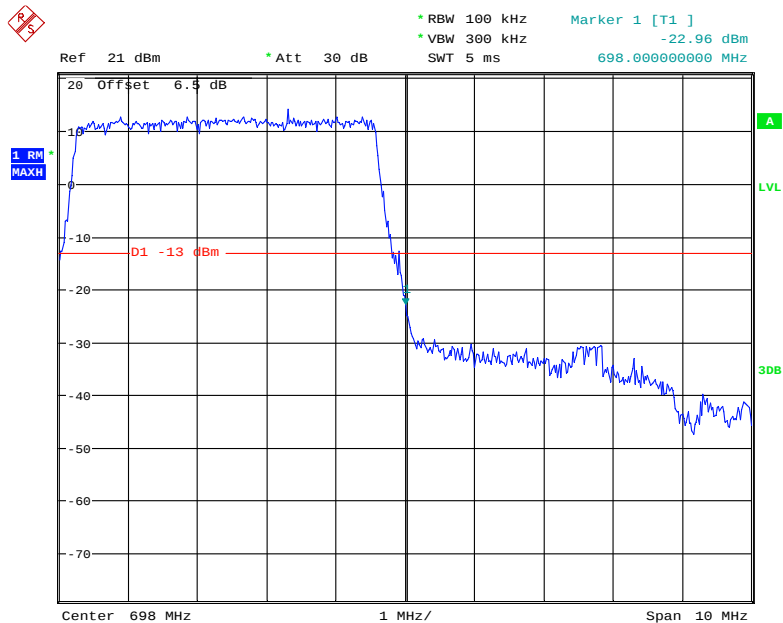
LTE Band 71: (worst case)

QPSK (5.0 MHz, FULL RB) - Left Band Edge



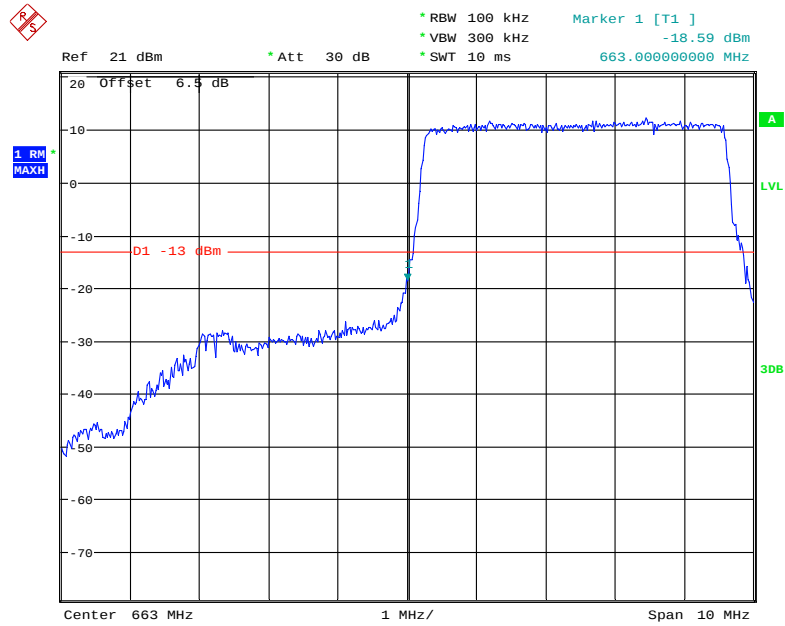
Date: 10.AUG.2020 10:06:45

QPSK (5.0 MHz, FULL RB) - Right Band Edge



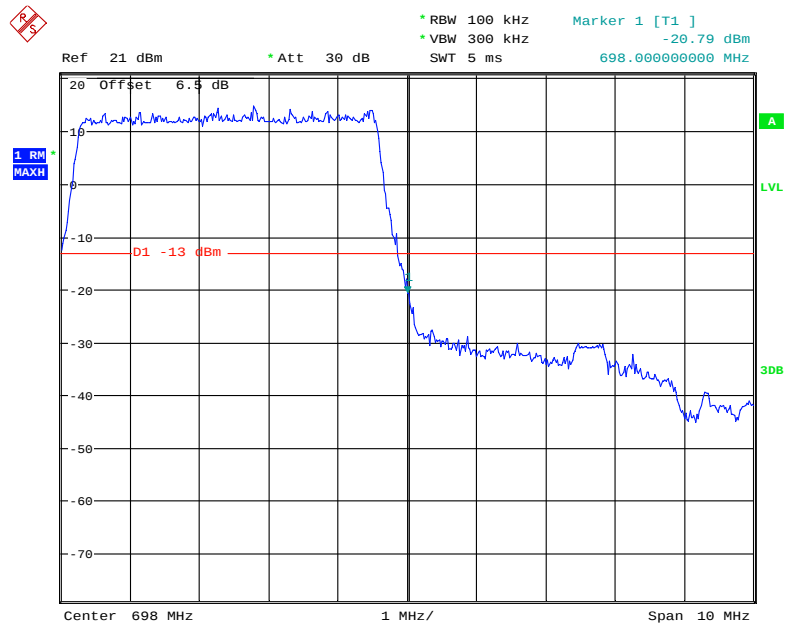
Date: 10.AUG.2020 10:08:52

16-QAM (5.0 MHz, FULL RB) - Left Band Edge



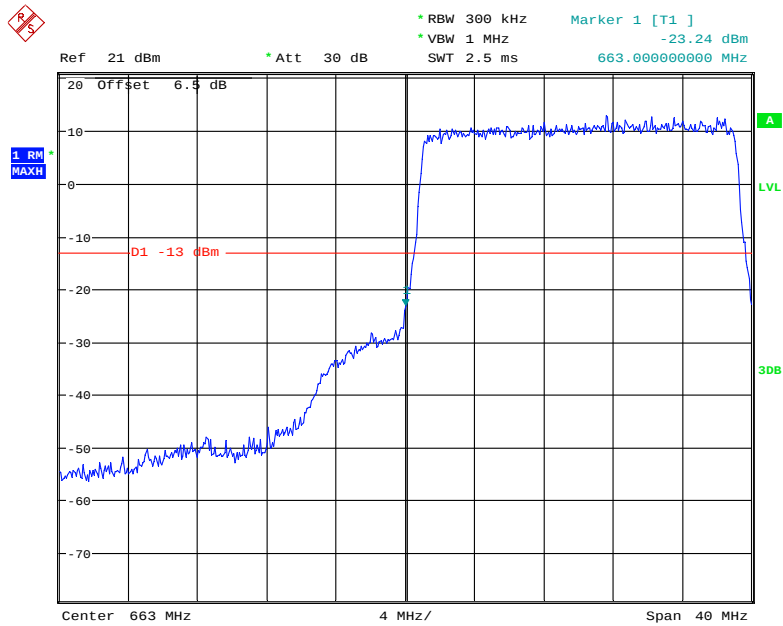
Date: 10.AUG.2020 10:07:17

16-QAM (5.0 MHz, FULL RB) - Right Band Edge



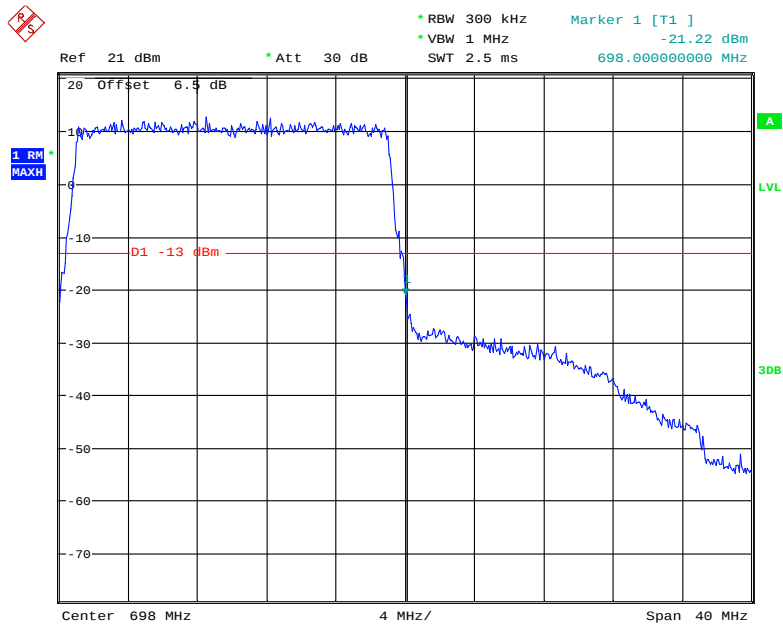
Date: 10.AUG.2020 10:08:30

QPSK (20.0 MHz, FULL RB) - Left Band Edge



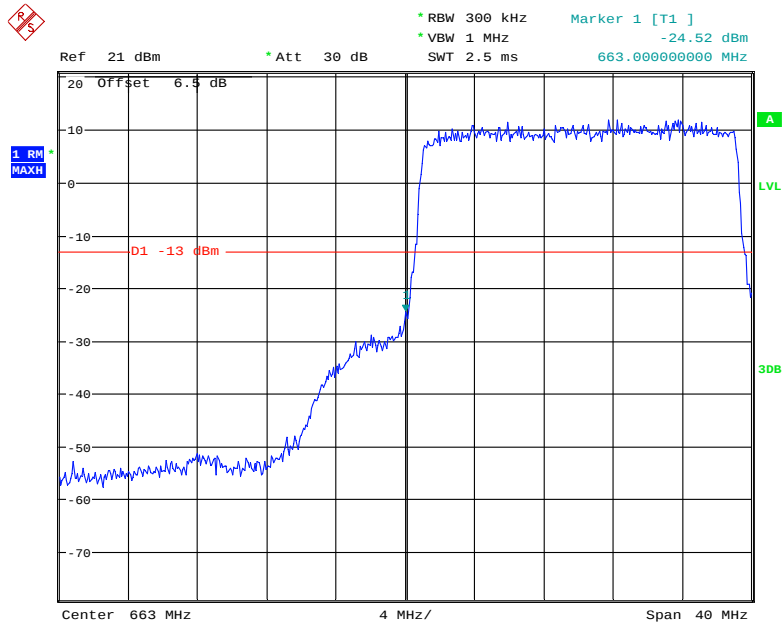
Date: 10.AUG.2020 10:12:57

QPSK (20.0 MHz, FULL RB) - Right Band Edge



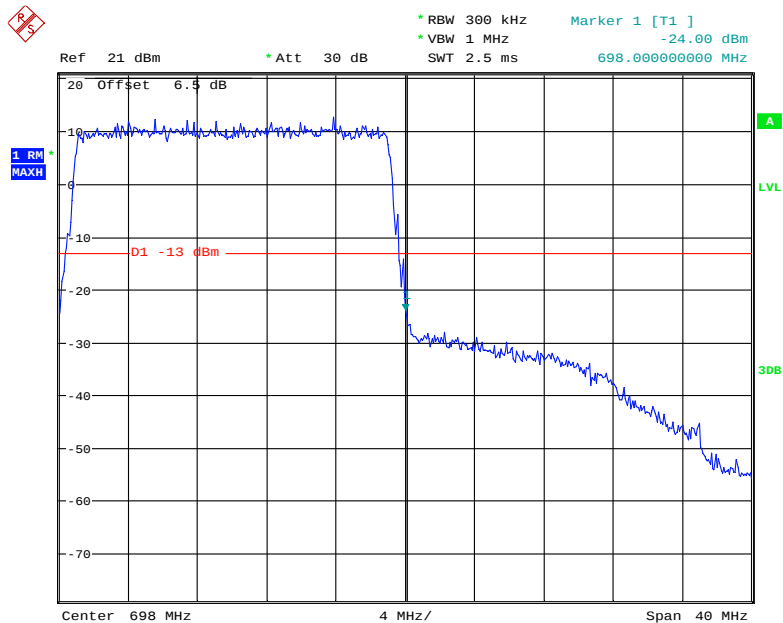
Date: 10.AUG.2020 10:13:59

16-QAM (20.0 MHz, FULL RB) - Left Band Edge



Date: 10.AUG.2020 10:13:17

16-QAM (20.0 MHz, FULL RB) - Right Band Edge



Date: 10.AUG.2020 10:15:14

FREQUENCY STABILITY**Test Data****Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	55 %
ATM Pressure:	101.0 kPa

The testing was performed by James Fu on 2020-08-10.

Test result: Compliance.

EUT operation mode: transmitting

Test Result: Compliance. Please refer to the following tables.

Cellular Band (Part 22H)**WCDMA Mode**

Middle Channel, $f_0=836.6\text{MHz}$				
Temperature (°C)	Voltage Supplied (V_{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	7.6	6	0.0072	2.5
-20		1	0.0012	2.5
-10		-5	-0.0060	2.5
0		3	0.0036	2.5
10		2	0.0024	2.5
20		1	0.0012	2.5
30		-4	-0.0048	2.5
40		2	0.0024	2.5
50		-3	-0.0036	2.5
20	V min.= 6.84	4	0.0048	2.5
	V max.= 8.36	6	0.0072	2.5

PCS Band (Part 24E)**WCDMA Mode**

Middle Channel, $f_0=1880.0$ MHz				
Temperature (°C)	Voltage Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Result
-30	7.6	4	0.0021	pass
-20		-1	-0.0005	pass
-10		5	0.0027	pass
0		3	0.0016	pass
10		-3	-0.0016	pass
20		5	0.0027	pass
30		7	0.0037	pass
40		5	0.0027	pass
50		-1	-0.0005	pass
20	V min.= 6.84	3	0.0016	pass
	V max.= 8.36	4	0.0021	pass

LTE Mode

QPSK:
Band 2:

10.0 MHz Middle Channel, $f_0=1880$ MHz				
Temperature (°C)	Voltage Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Result
-30	7.6	-3.86	-0.0021	pass
-20		-9.97	-0.0053	pass
-10		-6.13	-0.0033	pass
0		6.17	0.0033	pass
10		7.92	0.0042	pass
20		6.46	0.0034	pass
30		-6.52	-0.0035	pass
40		7.18	0.0038	pass
50		-9.69	-0.0052	pass
20	V min.= 6.84	-8.17	-0.0043	pass
	V max.= 8.36	-7.05	-0.0038	pass

Band 4:

10 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	7.6	1710.6536	1754.4356	1710.0000	1755.0000
-20		1710.6586	1754.4296	1710.0000	1755.0000
-10		1710.6586	1754.4365	1710.0000	1755.0000
0		1710.6547	1754.4348	1710.0000	1755.0000
10		1710.6589	1754.4375	1710.0000	1755.0000
20		1710.6546	1754.4366	1710.0000	1755.0000
30		1710.6577	1754.4385	1710.0000	1755.0000
40		1710.6586	1754.4336	1710.0000	1755.0000
50		1710.6576	1754.4341	1710.0000	1755.0000
20	V min.= 6.84	1710.6548	1754.4366	1710.0000	1755.0000
	V max.= 8.36	1710.6536	1754.4356	1710.0000	1755.0000

Band 5:

Middle Channel, f ₀ =836.5MHz				
Temperature (°C)	Voltage Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	7.6	-1.00	-0.0012	2.5
-20		-9.97	-0.0119	2.5
-10		-6.13	-0.0073	2.5
0		6.17	0.0074	2.5
10		7.92	0.0095	2.5
20		6.46	0.0077	2.5
30		-6.52	-0.0078	2.5
40		7.18	0.0086	2.5
50		-9.69	-0.0116	2.5
20	V min.= 6.84	-8.17	-0.0098	2.5
	V max.= 8.36	-7.05	-0.0084	2.5

Band 12:

10 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	7.6	699.2563	715.7363	699	716
-20		699.2564	715.7345	699	716
-10		699.2575	715.7368	699	716
0		699.2581	715.7354	699	716
10		699.2576	715.7314	699	716
20		699.2544	715.7385	699	716
30		699.2588	715.7342	699	716
40		699.2564	715.7362	699	716
50		699.2531	715.7355	699	716
20	V min.= 6.84	699.2546	715.7361	699	716
	V max.= 8.36	699.2563	715.7363	699	716

Band 13:

10 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	7.6	777.4356	786.5745	777	787
-20		777.4355	786.5714	777	787
-10		777.4363	786.5769	777	787
0		777.4351	786.5744	777	787
10		777.4361	786.5796	777	787
20		777.4385	786.5734	777	787
30		777.4361	786.5759	777	787
40		777.4334	786.5791	777	787
50		777.4351	786.5743	777	787
20	V min.= 6.84	777.4328	786.5765	777	787
	V max.= 8.36	777.4356	786.5745	777	787

Band 66:

10 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	7.6	1710.3456	1779.6752	1710	1780
-20		1710.3465	1779.6754	1710	1780
-10		1710.3415	1779.6785	1710	1780
0		1710.3461	1779.6742	1710	1780
10		1710.3452	1779.6734	1710	1780
20		1710.3478	1779.6764	1710	1780
30		1710.3461	1779.6764	1710	1780
40		1710.3462	1779.6784	1710	1780
50		1710.3455	1779.6746	1710	1780
20	V min.= 6.84	1710.3463	1779.6742	1710	1780
	V max.= 8.36	1710.3456	1779.6752	1710	1780

Band 71:

10 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	7.6	663.5363	697.4963	663	698
-20		663.5376	697.4952	663	698
-10		663.5387	697.4966	663	698
0		663.5381	697.5012	663	698
10		663.5347	697.4984	663	698
20		663.5342	697.4951	663	698
30		663.5374	697.4925	663	698
40		663.5367	697.5003	663	698
50		663.5326	697.4951	663	698
20	V min.= 6.84	663.5346	697.4935	663	698
	V max.= 8.36	663.5363	697.4963	663	698

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