



FCC RADIO TEST REPORT

FCC ID : 2ABZ2-EF136
Equipment : Smart Phone
Brand Name : ONEPLUS
Model Name : LE2117
Applicant : OnePlus Technology (Shenzhen) Co., Ltd.
18C02, 18C03, 18C04 and 18C05, Shum Yip
Terra Building, Binhe Avenue North, Futian
District, Shenzhen
Manufacturer : OnePlus Technology (Shenzhen) Co., Ltd.
18C02, 18C03, 18C04 and 18C05, Shum Yip
Terra Building, Binhe Avenue North, Futian
District, Shenzhen
Standard : FCC 47 CFR Part 2, 27

The product was received on Dec. 15, 2020 and testing was started from Dec. 20, 2020 and completed on Jan. 05, 2021. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issued Date
FG002626-02B	01	Initial issue of report	Feb. 04, 2021



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
	§27.50 (h)(2)	Equivalent Isotropic Radiated Power (Band 41)	Pass	
3.3	-	Peak-to-Average Ratio	Reporting only	-
3.4	§2.1049	Occupied Bandwidth	Reporting only	-
3.5	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (Band 41)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (Band 41)		

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Wii Chang

Report Producer: Vivian Hsu



1 General Description

1.1 Product Feature of Equipment Under Test

GSM/CDMA/WCDMA/LTE/5G NR, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, NFC, GNSS, ANT+, and WPC/WPT

Product Specification subjective to this standard	
Antenna Type	WWAN: <Down Antenna>: Coupling type (LDS) Antenna <Upper Antenna>: Coupling type (LDS) Antenna Bluetooth: PIFA Antenna WLAN: <Ant. 4>: PIFA Antenna <Ant. 6>: PIFA Antenna NFC: Loop Antenna BDS/Galileo/GLONASS/GPS/SBAS: PIFA Antenna ANT+: PIFA Antenna WPC/WPT: Loop Antenna
Antenna Gain	<Upper Antenna>: -3 dBi <Down Antenna>: -2 dBi

1.2 Modification of EUT

No modifications are made to the EUT during all test items.



1.3 Testing Location

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. TH05-HY
Test Engineer	Bryant Liu
Temperature	22~24°C
Relative Humidity	55~56%

FCC Designation No.: TW1190

1.4 Applicable Standards

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

- ♦ ANSI C63.26-2015
- ♦ ANSI / TIA-603-E
- ♦ FCC 47 CFR Part 2, 27
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.
3. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

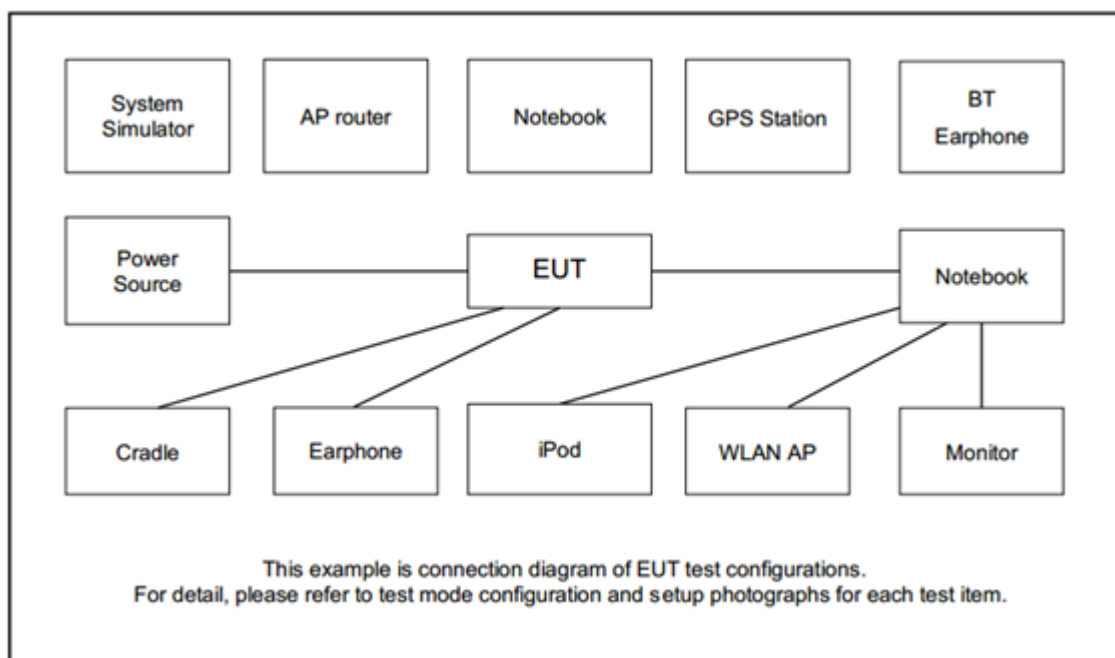
2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168

D01 Power Meas. License Digital Systems v03r01 with maximum output power.

Test Items	Band	Bandwidth (MHz)										Modulation				RB #			Test Channel		
		20+20	20+15	15+20	20+10	10+20	20+5	5+20	15+15	15+10	10+15	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
26dB and 99% Bandwidth	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v			v		v	
Conducted Band Edge	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v			v	v	v
E.I.R.P.	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	Max Power					
Remark	1. The mark “v ” means that this configuration is chosen for testing 2. The mark “-” means that this bandwidth is not supported. 3. All test items were performed with Down Antenna.																				

2.2 Connection Diagram of Test System





2.3 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

Example :

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$



2.4 Frequency List of Low/Middle/High Channels

LTE Band 41 Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	39750	40521	41292
		Frequency	2506.0	2583.1	2660.2
	SCC	Channel	39948	40719	41490
		Frequency	2525.8	2602.9	2680.0
20 + 15	PCC	Channel	39750	40546	41341
		Frequency	2506.0	2585.6	2665.1
	SCC	Channel	39921	40717	41512
		Frequency	2523.1	2602.7	2682.2
15 + 20	PCC	Channel	39728	40523	41319
		Frequency	2503.8	2593.3	2662.9
	SCC	Channel	39899	40694	41490
		Frequency	2520.9	2600.4	2680.0
20 + 10	PCC	Channel	39750	40571	41391
		Frequency	2506.0	2588.1	2670.1
	SCC	Channel	39894	40715	41535
		Frequency	2520.4	2602.5	2684.5
10 + 20	PCC	Channel	39705	40526	41346
		Frequency	2501.5	2583.6	2665.6
	SCC	Channel	39849	40670	41490
		Frequency	2515.9	2598.0	2680.0



LTE Band 41 Channel and Frequency List					
20 + 5	PCC	Channel	39750	40595	41440
		Frequency	2506.0	2590.5	2675.0
	SCC	Channel	39867	40712	41557
		Frequency	2517.7	2602.2	2686.7
5 + 20	PCC	Channel	39683	40528	41373
		Frequency	2499.3	2583.8	2668.3
	SCC	Channel	39800	40645	41490
		Frequency	2511.0	2595.5	2680.0
15 + 15	PCC	Channel	39725	40545	41365
		Frequency	2503.5	2585.5	2667.5
	SCC	Channel	39875	40695	41515
		Frequency	2518.5	2600.5	2682.5
10 + 15	PCC	Channel	39703	40549	41395
		Frequency	2501.3	2585.9	2670.5
	SCC	Channel	39823	40669	41515
		Frequency	2513.3	2597.9	2682.5
15 + 10	PCC	Channel	39725	40571	41417
		Frequency	2503.5	2588.1	2672.7
	SCC	Channel	39845	40691	41537
		Frequency	2515.5	2600.1	2684.7

3 Conducted Test Items

3.1 Measuring Instruments

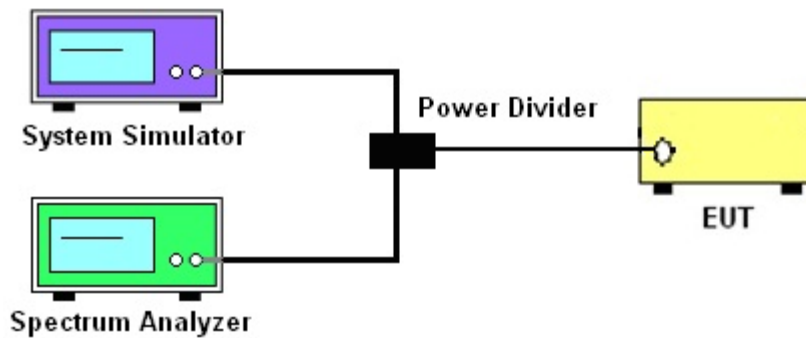
See list of measuring instruments of this test report.

3.1.1 Test Setup

3.1.2 Conducted Output Power



3.1.3 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge and Conducted Spurious Emission



3.1.4 Test Result of Conducted Test

Please refer to Appendix A.



3.2 Conducted Output Power and EIRP

3.2.1 Description of the Conducted Output Power Measurement and EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 41

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.2.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.



3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

1. The EUT was connected to spectrum and system simulator via a power divider.
2. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
3. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
4. Record the deviation as Peak to Average Ratio.



3.4 Occupied Bandwidth

3.4.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.4.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.4.3 (26dB) and Section 5.4.4 (99OB)

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
3. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
4. Set the detection mode to peak, and the trace mode to max hold.
5. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.
(this is the reference value)
6. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
7. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.



3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.

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

For LTE Band 41

The other 40 dB, and 55 dB have additionally applied same calculation above.

3.6 Conducted Spurious Emission

3.6.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For LTE Band 41

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.
The path loss was compensated to the results for each measurement.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
6. Set spectrum analyzer with RMS detector.
7. Taking the record of maximum spurious emission.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

For LTE Band 41

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Base Station (Measure)	Anritsu	MT8821C	6201664755	N/A	Jul. 12, 2020	Dec. 20, 2020~ Jan. 05, 2021	Jul. 11, 2021	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Nov. 27, 2020	Dec. 20, 2020~ Jan. 05, 2021	Nov. 26, 2021	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SU-241	92003713	-30℃~95℃	May 15, 2020	Dec. 20, 2020~ Jan. 05, 2021	May 14, 2021	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL890089	1V~20V 0.5A~5A	Feb. 21, 2020	Dec. 20, 2020~ Jan. 05, 2021	Feb. 20, 2021	Conducted (TH05-HY)
Coupler	Warison	20dB 25W SMA Directional Coupler	#A	1-18GHz	Jan. 13, 2020	Dec. 20, 2020~ Jan. 05, 2021	Jan. 12, 2021	Conducted (TH05-HY)



Appendix A. Test Results of Conducted and EIRP Test

Conducted Output Power (Average power & EIRP)

<Down Antenna>

LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = -2 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	100	0	100	0	QPSK	21.57	22.87	22.85	25.05	0.3199
20+20	1	0	1	99		18.53	18.81	18.88		
20+20	1	99	1	0		26.77	27.05	27.04		
20+20	100	0	100	0	16-QAM	22.67	22.89	22.79	24.19	0.2624
20+20	1	0	1	99		19.01	19.29	19.43		
20+20	1	99	1	0		25.82	26.08	26.19		
20+20	100	0	100	0	64-QAM	21.11	22.38	22.43	23.45	0.2213
20+20	1	0	1	99		18.63	18.84	19.06		
20+20	1	99	1	0		23.89	25.28	25.45		
20+20	100	0	100	0	256-QAM	21.91	22.16	22.23	20.23	0.1054
20+20	1	0	1	99		18.61	18.86	18.94		
20+20	1	99	1	0		21.95	22.06	22.08		
20+15	100	0	75	0	QPSK	23.08	24.36	24.37	25.13	0.3258
20+15	1	0	1	74		18.46	18.82	18.93		
20+15	1	99	1	0		26.71	27.12	27.13		
20+15	100	0	75	0	16-QAM	23.05	24.36	24.43	24.19	0.2624
20+15	1	0	1	74		19.03	19.25	19.37		
20+15	1	99	1	0		25.91	26.10	26.19		
20+15	100	0	75	0	64-QAM	23.11	24.39	24.45	22.45	0.1758
20+15	1	0	1	74		18.86	18.85	18.87		
20+15	1	99	1	0		24.00	24.06	23.97		
20+15	100	0	75	0	256-QAM	21.98	22.01	22.03	20.03	0.1007
20+15	1	0	1	74		18.65	18.53	18.66		
20+15	1	99	1	0		21.95	21.98	21.99		
15+20	75	0	100	0	QPSK	22.04	23.36	23.44	25.03	0.3184
15+20	1	0	1	99		18.40	18.78	18.86		
15+20	1	74	1	0		26.74	27.03	27.03		
15+20	75	0	100	0	16-QAM	22.57	23.47	23.48	24.21	0.2636
15+20	1	0	1	99		19.06	19.24	19.34		
15+20	1	74	1	0		25.89	26.06	26.21		
15+20	75	0	100	0	64-QAM	22.63	22.90	22.97	23.48	0.2228
15+20	1	0	1	99		18.67	19.17	19.03		
15+20	1	74	1	0		23.53	25.25	25.48		
15+20	75	0	100	0	256-QAM	21.99	22.05	22.11	20.11	0.1026
15+20	1	0	1	99		18.58	18.62	18.69		
15+20	1	74	1	0		22.01	22.01	22.09		
Limit	EIRP < 2W					Result			Pass	



LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = -2 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	100	0	50	0	QPSK	24.76	25.08	25.10	25.21	0.3319
20+10	1	0	1	49		18.48	18.85	18.96		
20+10	1	99	1	0		26.50	27.15	27.21		
20+10	100	0	50	0	16-QAM	23.77	24.02	24.06	24.32	0.2704
20+10	1	0	1	49		19.05	19.23	19.43		
20+10	1	99	1	0		25.88	26.15	26.32		
20+10	100	0	50	0	64-QAM	23.86	24.10	24.20	22.60	0.1820
20+10	1	0	1	49		18.71	18.88	19.16		
20+10	1	99	1	0		24.24	24.60	24.43		
20+10	100	0	50	0	256-QAM	21.98	22.05	22.06	20.09	0.1021
20+10	1	0	1	49		18.55	18.59	18.59		
20+10	1	99	1	0		21.96	22.01	22.09		
10+20	50	0	100	0	QPSK	21.81	22.10	22.10	25.13	0.3258
10+20	1	0	1	99		18.59	18.84	18.98		
10+20	1	49	1	0		26.70	27.08	27.13		
10+20	50	0	100	0	16-QAM	21.92	22.15	22.14	24.26	0.2667
10+20	1	0	1	99		19.13	19.34	19.49		
10+20	1	49	1	0		25.88	26.15	26.26		
10+20	50	0	100	0	64-QAM	21.87	22.14	22.15	23.41	0.2193
10+20	1	0	1	99		18.68	18.94	19.09		
10+20	1	49	1	0		24.29	25.33	25.41		
10+20	50	0	100	0	256-QAM	21.95	22.08	22.05	20.08	0.1019
10+20	1	0	1	99		18.65	18.63	18.58		
10+20	1	49	1	0		21.94	22.01	22.03		
20+5	100	0	25	0	QPSK	23.77	24.04	24.14	24.96	0.3133
20+5	1	0	1	24		18.60	18.83	18.79		
20+5	1	99	1	0		26.66	26.82	26.96		
20+5	100	0	25	0	16-QAM	23.81	24.04	24.15	24.02	0.2523
20+5	1	0	1	24		18.75	19.37	19.25		
20+5	1	99	1	0		25.82	25.90	26.02		
20+5	100	0	25	0	64-QAM	23.82	24.06	24.14	23.23	0.2104
20+5	1	0	1	24		18.58	19.26	19.24		
20+5	1	99	1	0		23.99	25.23	24.25		
20+5	100	0	25	0	256-QAM	21.96	21.99	22.05	20.13	0.1030
20+5	1	0	1	24		18.53	18.60	18.62		
20+5	1	99	1	0		21.88	22.03	22.13		
Limit	EIRP < 2W					Result			Pass	



LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = -2 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	25	0	100	0	QPSK	21.79	22.08	22.18	25.04	0.3192
5+20	1	0	1	99		18.34	18.59	18.62		
5+20	1	24	1	0		26.56	26.84	27.04		
5+20	25	0	100	0	16-QAM	21.85	22.19	22.26	24.06	0.2547
5+20	1	0	1	99		18.76	19.02	19.18		
5+20	1	24	1	0		25.69	25.93	26.06		
5+20	25	0	100	0	64-QAM	21.88	22.11	22.27	23.37	0.2173
5+20	1	0	1	99		18.48	18.69	18.87		
5+20	1	24	1	0		23.55	25.24	25.37		
5+20	25	0	100	0	256-QAM	21.90	21.96	22.07	20.15	0.1035
5+20	1	0	1	99		18.60	18.53	18.65		
5+20	1	24	1	0		21.94	22.01	22.15		
15+10	75	0	50	0	QPSK	23.21	23.04	23.58	25.18	0.3296
15+10	1	0	1	49		18.54	18.84	18.94		
15+10	1	74	1	0		26.77	27.07	27.18		
15+10	75	0	50	0	16-QAM	23.20	23.05	23.40	24.27	0.2673
15+10	1	0	1	49		19.09	19.30	19.41		
15+10	1	74	1	0		25.91	26.13	26.27		
15+10	75	0	50	0	64-QAM	22.77	22.57	23.05	23.54	0.2259
15+10	1	0	1	49		18.71	18.90	19.14		
15+10	1	74	1	0		24.87	25.33	25.54		
15+10	75	0	50	0	256-QAM	21.92	22.03	22.19	20.19	0.1045
15+10	1	0	1	49		18.49	18.55	18.64		
15+10	1	74	1	0		21.98	22.00	22.14		
10+15	50	0	75	0	QPSK	22.31	22.50	22.63	25.22	0.3327
10+15	1	0	1	74		18.54	18.78	18.98		
10+15	1	49	1	0		26.75	27.03	27.22		
10+15	50	0	75	0	16-QAM	22.36	22.57	22.74	24.29	0.2685
10+15	1	0	1	74		19.14	19.34	19.45		
10+15	1	49	1	0		25.92	26.06	26.29		
10+15	50	0	75	0	64-QAM	21.83	22.03	22.22	23.42	0.2198
10+15	1	0	1	74		18.72	18.91	18.94		
10+15	1	49	1	0		24.60	25.31	25.42		
10+15	50	0	75	0	256-QAM	21.97	21.99	22.10	20.10	0.1023
10+15	1	0	1	74		18.45	18.58	18.66		
10+15	1	49	1	0		21.98	22.01	22.09		
Limit	EIRP < 2W					Result			Pass	



LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = -2 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+15	75	0	75	0	QPSK	21.57	22.88	22.92	25.09	0.3228
15+15	1	0	1	74		18.50	18.83	18.92		
15+15	1	74	1	0		26.77	27.00	27.09		
15+15	75	0	75	0	16-QAM	21.09	22.42	22.45	24.17	0.2612
15+15	1	0	1	74		19.08	19.18	19.43		
15+15	1	74	1	0		25.90	26.00	26.17		
15+15	75	0	75	0	64-QAM	21.12	21.92	21.96	23.56	0.2270
15+15	1	0	1	74		18.71	18.84	19.12		
15+15	1	74	1	0		23.45	25.23	25.56		
15+15	75	0	75	0	256-QAM	21.95	22.03	22.11	20.18	0.1042
15+15	1	0	1	74		18.48	18.59	18.63		
15+15	1	74	1	0		22.01	22.09	22.18		
Limit	EIRP < 2W					Result			Pass	



<Upper Antenna>

LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = -3 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	100	0	100	0	QPSK	20.26	20.75	20.85	23.00	0.1995
20+20	1	0	1	99		17.22	17.70	17.81		
20+20	1	99	1	0		25.55	26.00	25.99		
20+20	100	0	100	0	16-QAM	21.50	21.79	21.86	22.15	0.1641
20+20	1	0	1	99		17.95	18.18	18.34		
20+20	1	99	1	0		24.73	24.97	25.15		
20+20	100	0	100	0	64-QAM	20.05	20.27	20.42	21.51	0.1416
20+20	1	0	1	99		17.58	17.79	17.98		
20+20	1	99	1	0		23.90	24.13	24.51		
20+20	100	0	100	0	256-QAM	21.03	21.20	21.32	18.32	0.0679
20+20	1	0	1	99		17.68	17.93	18.05		
20+20	1	99	1	0		21.00	21.25	21.25		
20+15	100	0	75	0	QPSK	22.00	22.13	22.33	23.15	0.2065
20+15	1	0	1	74		17.40	17.64	17.87		
20+15	1	99	1	0		25.80	26.15	26.14		
20+15	100	0	75	0	16-QAM	22.02	22.15	22.32	22.17	0.1648
20+15	1	0	1	74		17.95	18.11	18.36		
20+15	1	99	1	0		24.78	25.04	25.17		
20+15	100	0	75	0	64-QAM	20.06	22.16	22.36	21.37	0.1371
20+15	1	0	1	74		17.57	17.68	18.00		
20+15	1	99	1	0		22.49	24.05	24.37		
20+15	100	0	75	0	256-QAM	20.98	21.22	21.32	18.35	0.0684
20+15	1	0	1	74		17.67	17.92	18.07		
20+15	1	99	1	0		21.07	21.33	21.35		
15+20	75	0	100	0	QPSK	20.93	21.12	21.24	22.92	0.1959
15+20	1	0	1	99		17.37	17.59	17.74		
15+20	1	74	1	0		25.73	25.92	25.90		
15+20	75	0	100	0	16-QAM	21.46	21.70	21.79	22.05	0.1603
15+20	1	0	1	99		17.87	18.10	18.26		
15+20	1	74	1	0		24.70	24.89	25.05		
15+20	75	0	100	0	64-QAM	21.47	21.67	21.79	21.39	0.1377
15+20	1	0	1	99		17.52	17.67	18.05		
15+20	1	74	1	0		23.84	24.00	24.39		
15+20	75	0	100	0	256-QAM	20.99	21.23	21.35	18.35	0.0684
15+20	1	0	1	99		17.69	17.87	18.05		
15+20	1	74	1	0		21.01	21.28	21.23		
Limit	EIRP < 2W					Result			Pass	



LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = -3 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	100	0	50	0	QPSK	23.98	24.23	24.31	23.20	0.2089
20+10	1	0	1	49		17.44	17.79	17.92		
20+10	1	99	1	0		25.80	26.19	26.20		
20+10	100	0	50	0	16-QAM	22.97	23.27	23.35	22.24	0.1675
20+10	1	0	1	49		17.95	18.26	18.39		
20+10	1	99	1	0		24.80	25.12	25.24		
20+10	100	0	50	0	64-QAM	23.01	23.31	23.38	21.44	0.1393
20+10	1	0	1	49		17.60	17.85	18.05		
20+10	1	99	1	0		23.32	24.21	24.44		
20+10	100	0	50	0	256-QAM	20.74	21.22	21.12	18.40	0.0692
20+10	1	0	1	49		17.51	18.00	17.89		
20+10	1	99	1	0		20.87	21.40	21.20		
10+20	50	0	100	0	QPSK	21.05	21.36	21.39	23.16	0.2070
10+20	1	0	1	99		17.64	17.87	17.89		
10+20	1	49	1	0		25.82	26.07	26.16		
10+20	50	0	100	0	16-QAM	21.10	21.28	21.45	22.27	0.1687
10+20	1	0	1	99		18.11	18.15	18.45		
10+20	1	49	1	0		24.87	24.95	25.27		
10+20	50	0	100	0	64-QAM	21.08	21.23	21.42	21.50	0.1413
10+20	1	0	1	99		17.83	17.89	18.13		
10+20	1	49	1	0		23.96	24.26	24.50		
10+20	50	0	100	0	256-QAM	21.03	21.29	21.42	18.42	0.0695
10+20	1	0	1	99		17.68	18.00	18.12		
10+20	1	49	1	0		21.04	21.36	21.30		
20+5	100	0	25	0	QPSK	23.11	23.18	23.46	23.34	0.2158
20+5	1	0	1	24		14.62	14.73	14.96		
20+5	1	99	1	0		26.07	26.13	26.34		
20+5	100	0	25	0	16-QAM	23.11	23.20	23.45	22.33	0.1710
20+5	1	0	1	24		15.00	15.24	15.40		
20+5	1	99	1	0		24.76	25.12	25.33		
20+5	100	0	25	0	64-QAM	23.18	23.22	23.51	21.46	0.1400
20+5	1	0	1	24		14.68	14.85	15.18		
20+5	1	99	1	0		23.49	24.12	24.46		
20+5	100	0	25	0	256-QAM	20.97	21.21	21.37	18.46	0.0701
20+5	1	0	1	24		17.69	17.99	18.13		
20+5	1	99	1	0		21.16	21.41	21.46		
Limit	EIRP < 2W					Result			Pass	



LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = -3 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	25	0	100	0	QPSK	20.04	20.14	20.35	23.13	0.2056
5+20	1	0	1	99		14.43	14.67	14.79		
5+20	1	24	1	0		25.81	26.13	26.13		
5+20	25	0	100	0	16-QAM	21.04	21.20	21.34	22.13	0.1633
5+20	1	0	1	99		14.95	15.19	15.31		
5+20	1	24	1	0		24.84	25.13	24.62		
5+20	25	0	100	0	64-QAM	21.07	21.27	21.44	21.49	0.1409
5+20	1	0	1	99		14.62	14.89	15.05		
5+20	1	24	1	0		23.54	24.27	24.49		
5+20	25	0	100	0	256-QAM	20.98	21.27	21.38	18.38	0.0689
5+20	1	0	1	99		17.67	17.93	18.08		
5+20	1	24	1	0		21.20	21.34	21.37		
15+10	75	0	50	0	QPSK	21.99	22.22	22.46	23.20	0.2089
15+10	1	0	1	49		14.99	15.20	15.49		
15+10	1	74	1	0		25.86	26.20	26.18		
15+10	75	0	50	0	16-QAM	22.07	22.21	22.43	22.23	0.1671
15+10	1	0	1	49		15.52	15.70	15.80		
15+10	1	74	1	0		24.89	25.12	25.23		
15+10	75	0	50	0	64-QAM	21.59	21.72	21.93	21.59	0.1442
15+10	1	0	1	49		15.23	15.44	15.65		
15+10	1	74	1	0		23.96	24.34	24.59		
15+10	75	0	50	0	256-QAM	20.95	21.22	21.35	18.36	0.0685
15+10	1	0	1	49		17.70	18.02	18.13		
15+10	1	74	1	0		21.12	21.33	21.36		
10+15	50	0	75	0	QPSK	22.97	21.71	21.87	23.21	0.2094
10+15	1	0	1	74		14.53	14.74	14.99		
10+15	1	49	1	0		25.75	26.21	25.99		
10+15	50	0	75	0	16-QAM	21.55	21.85	21.94	22.19	0.1656
10+15	1	0	1	74		15.01	15.43	15.55		
10+15	1	49	1	0		24.91	25.11	25.19		
10+15	50	0	75	0	64-QAM	20.99	21.28	21.38	21.48	0.1406
10+15	1	0	1	74		14.58	14.89	15.35		
10+15	1	49	1	0		24.04	24.26	24.48		
10+15	50	0	75	0	256-QAM	21.01	21.25	21.41	18.41	0.0693
10+15	1	0	1	74		17.73	17.99	18.15		
10+15	1	49	1	0		21.05	21.29	21.33		
Limit	EIRP < 2W					Result			Pass	



LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = -3 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+15	75	0	75	0	QPSK	20.48	20.78	20.81	22.96	0.1977
15+15	1	0	1	74		17.38	17.69	17.75		
15+15	1	74	1	0		25.72	25.94	25.96		
15+15	75	0	75	0	16-QAM	20.00	20.29	20.32	22.10	0.1622
15+15	1	0	1	74		17.91	18.23	18.27		
15+15	1	74	1	0		24.70	24.91	25.10		
15+15	75	0	75	0	64-QAM	19.96	20.30	20.34	21.42	0.1387
15+15	1	0	1	74		17.55	17.83	17.93		
15+15	1	74	1	0		23.86	24.07	24.42		
15+15	75	0	75	0	256-QAM	20.97	21.19	21.33	18.33	0.0681
15+15	1	0	1	74		17.69	17.98	18.11		
15+15	1	74	1	0		21.06	21.27	21.30		
Limit	EIRP < 2W					Result			Pass	



LTE Band 41C

26dB Bandwidth

Mode	LTE Band 41C : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.78	24.98	30.03	24.98	30.51
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.97	24.88	30.03	34.97	39.80

Mode	LTE Band 41C : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.78	25.18	29.73	25.03	30.51
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.76	24.98	29.91	34.97	39.88

Mode	LTE Band 41C : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.78	25.03	29.73	25.23	30.51
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.90	24.83	29.97	34.97	39.80

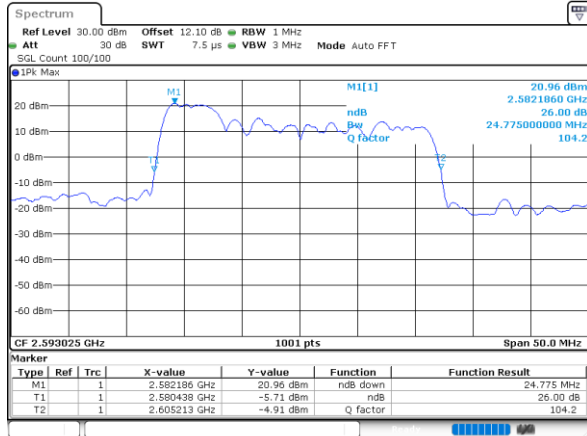
Mode	LTE Band 41C : 26dB BW(MHz)				
256QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.73	24.93	29.73	25.08	30.45
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.83	24.88	29.91	34.83	39.80



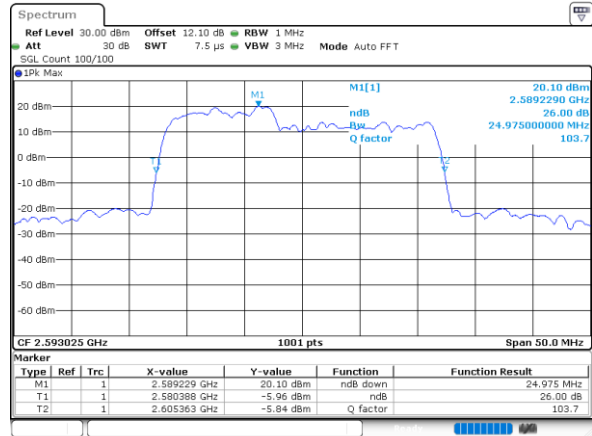
LTE Band 41C

QPSK

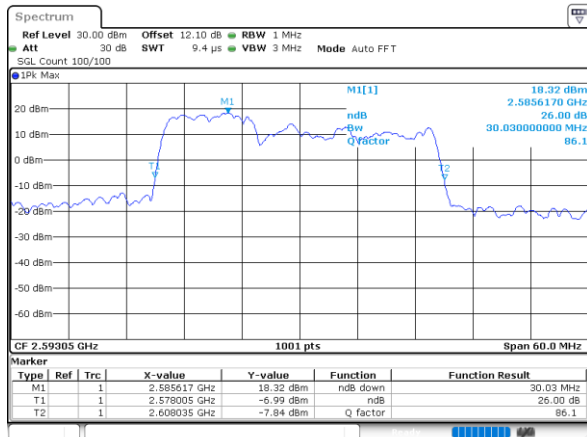
Middle Channel / 5MHz+20MHz



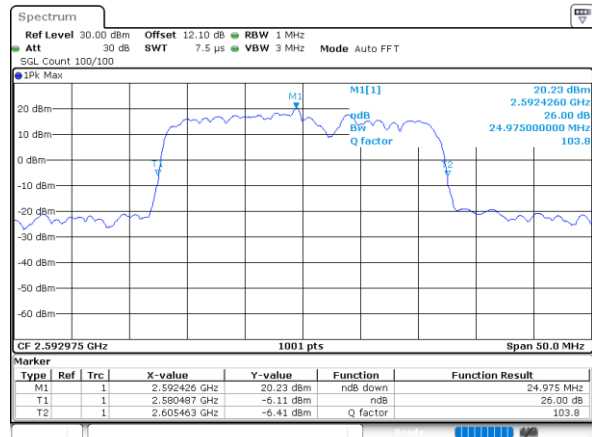
Middle Channel / 10MHz+15MHz



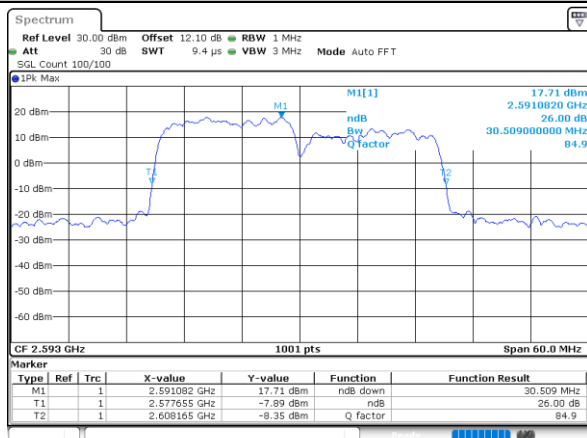
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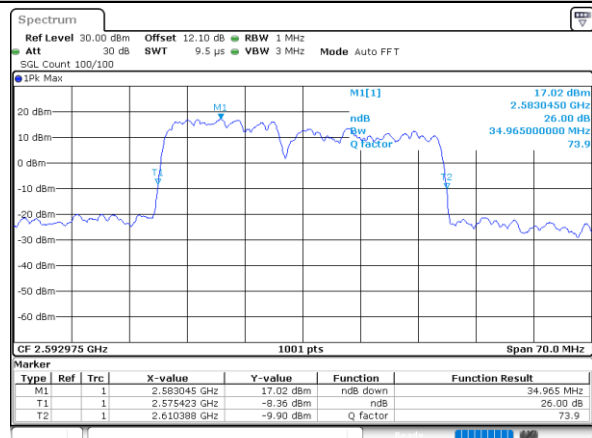
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

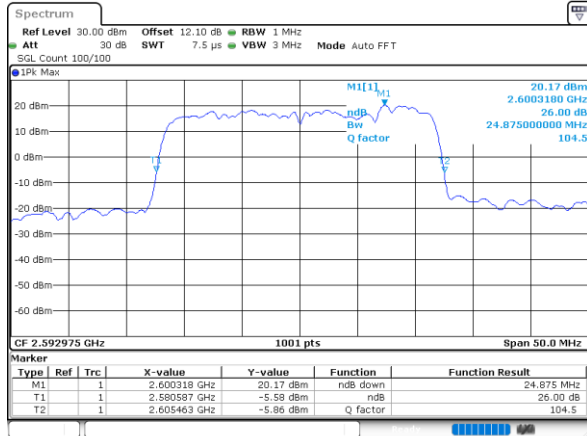




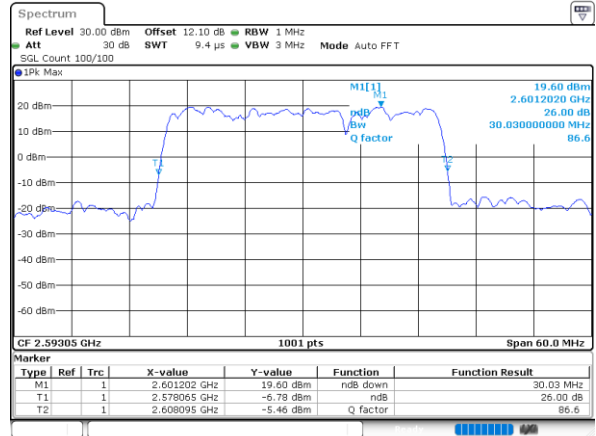
LTE Band 41C

QPSK

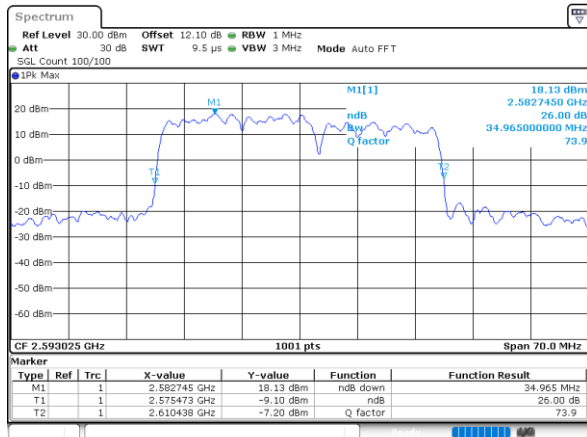
Middle Channel / 20MHz+5MHz



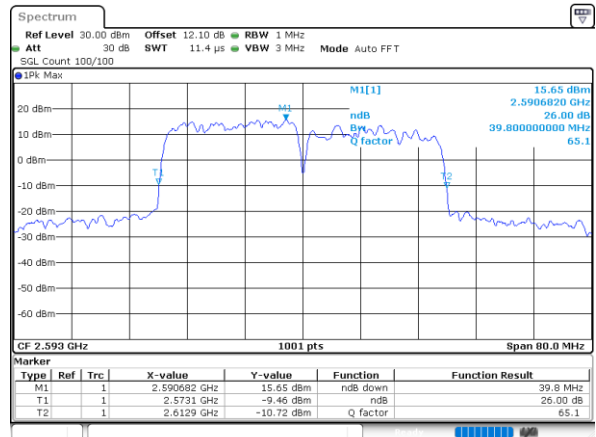
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

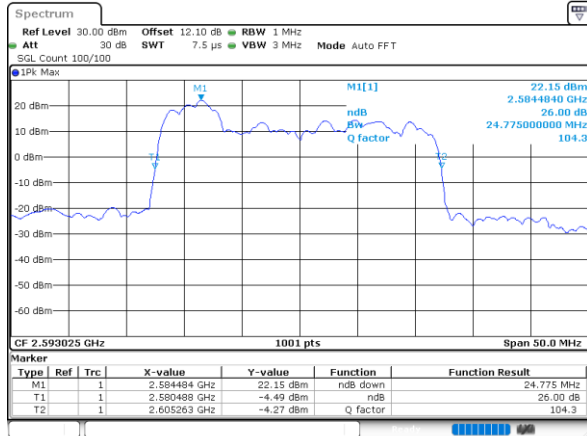




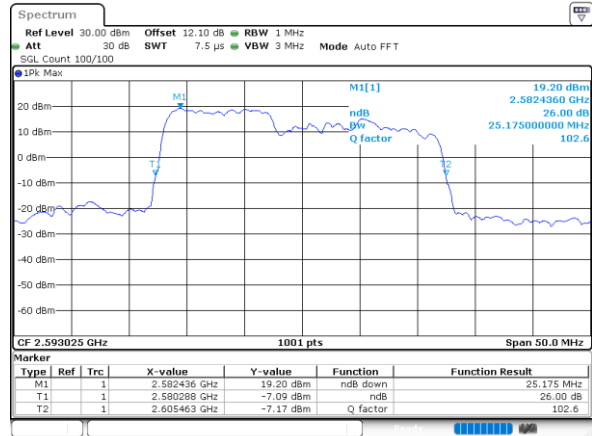
LTE Band 41C

16QAM

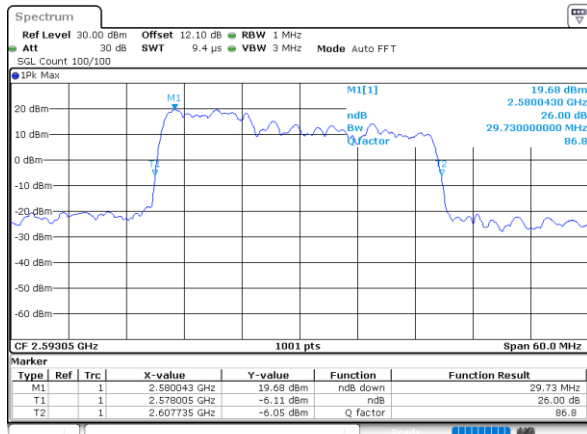
Middle Channel / 5MHz+20MHz



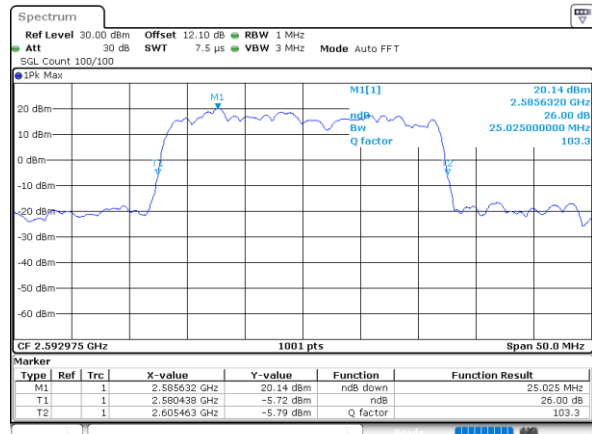
Middle Channel / 10MHz+15MHz



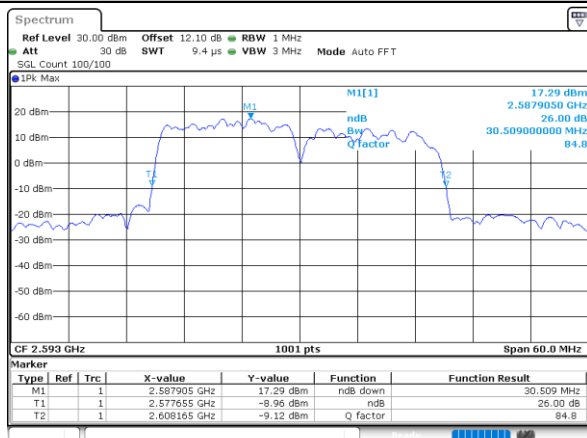
Middle Channel / 10MHz+20MHz



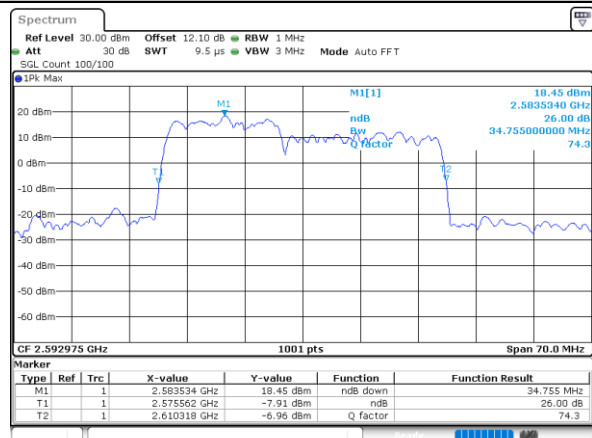
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

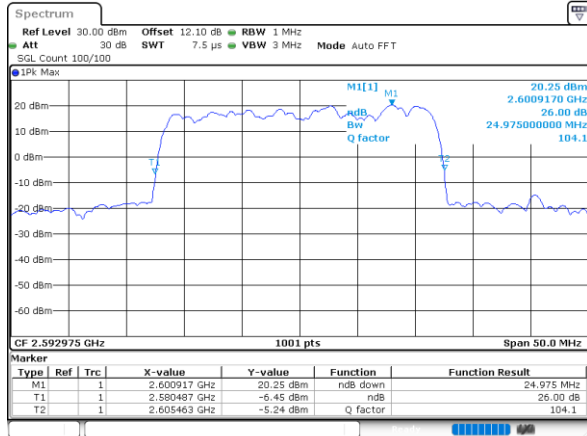




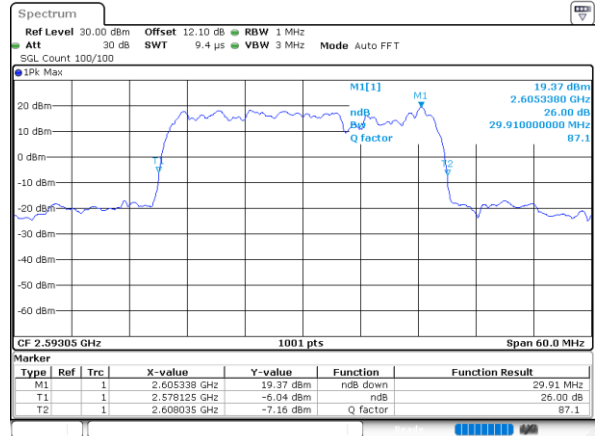
LTE Band 41C

16QAM

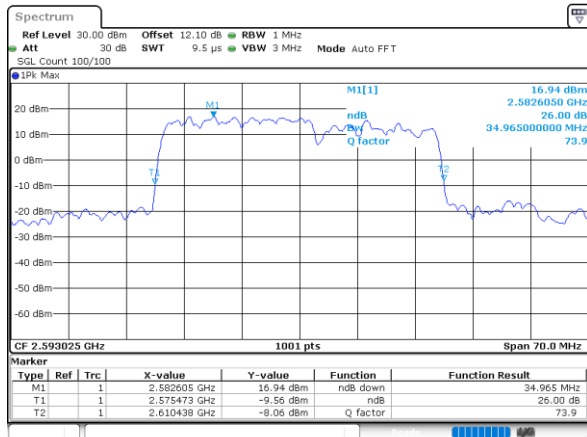
Middle Channel / 20MHz+5MHz



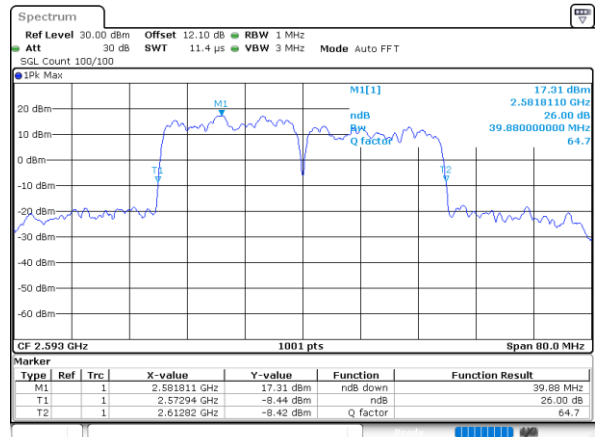
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

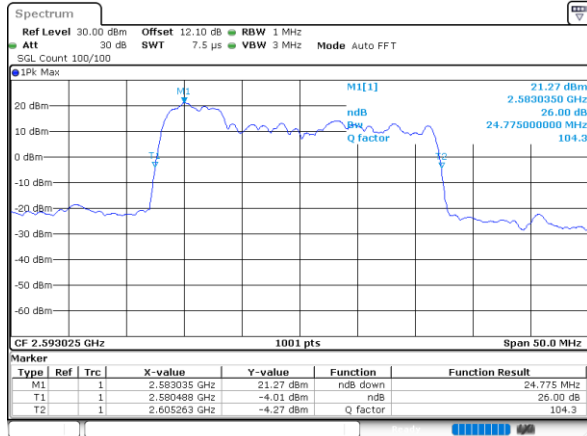




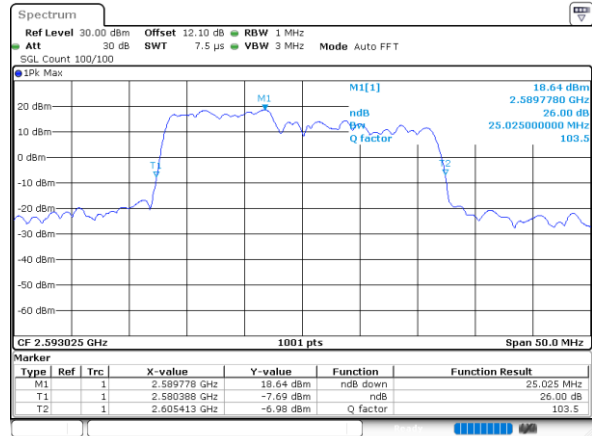
LTE Band 41C

64QAM

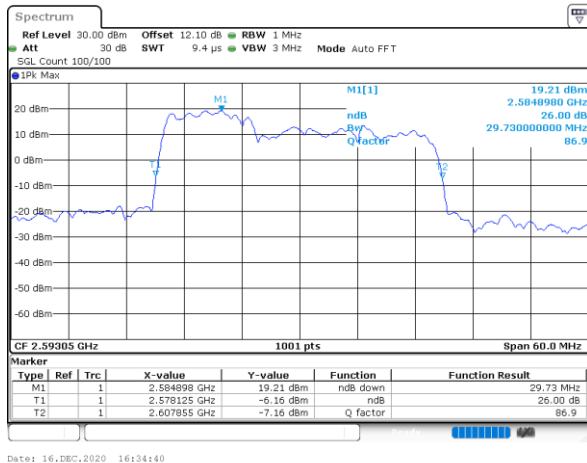
Middle Channel / 5MHz+20MHz



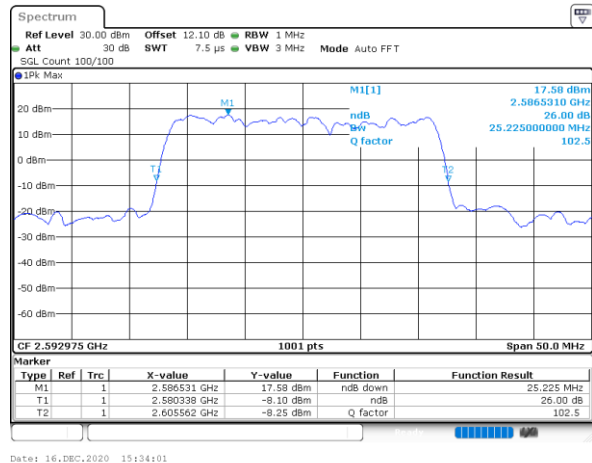
Middle Channel / 10MHz+15MHz



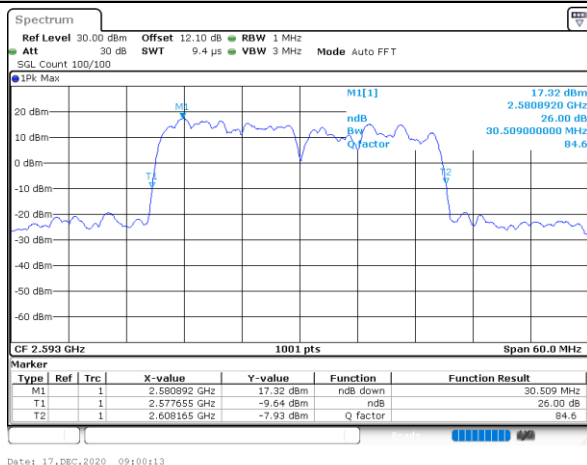
Middle Channel / 10MHz+20MHz



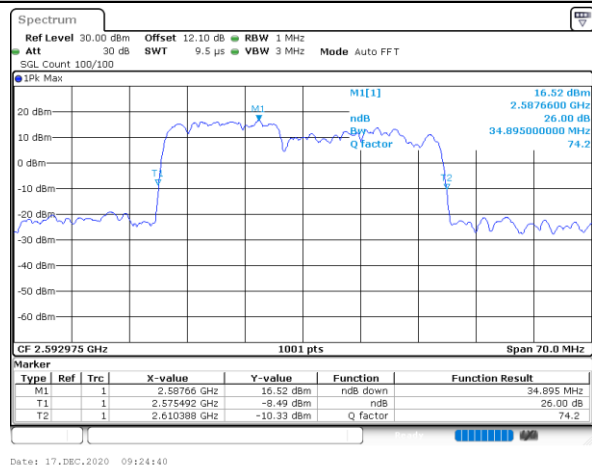
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

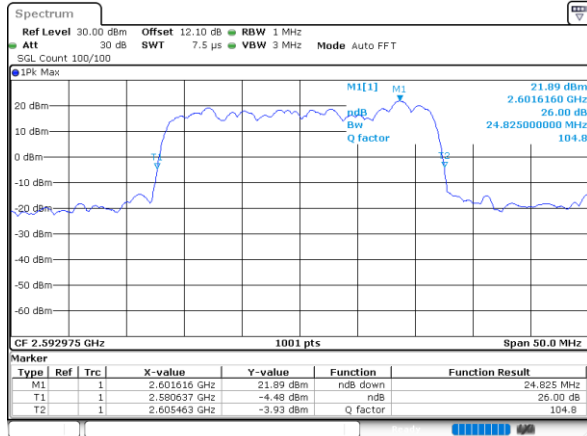




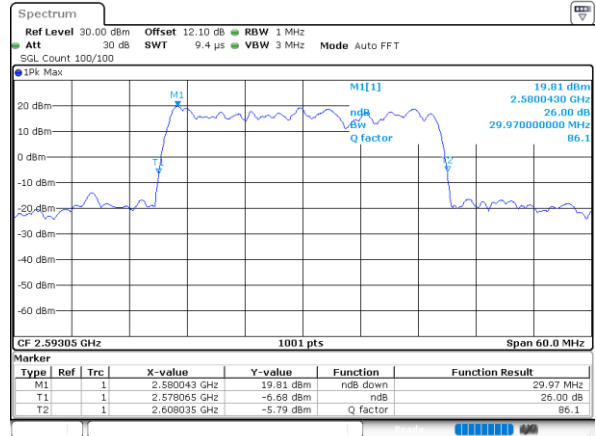
LTE Band 41C

64QAM

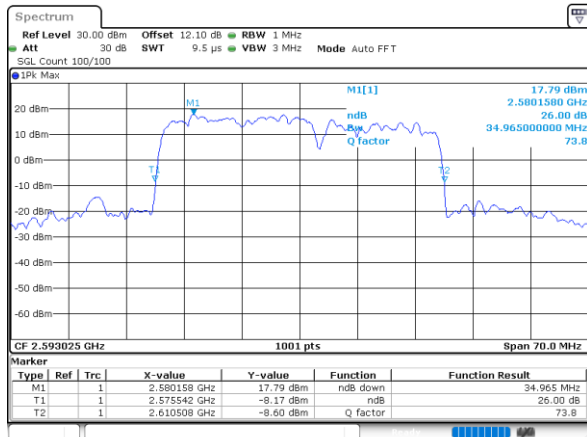
Middle Channel / 20MHz+5MHz



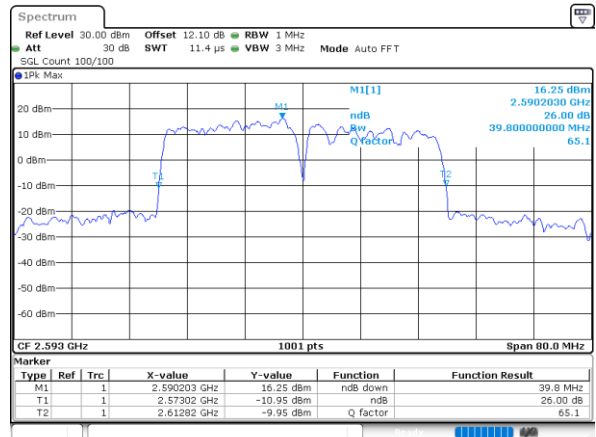
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

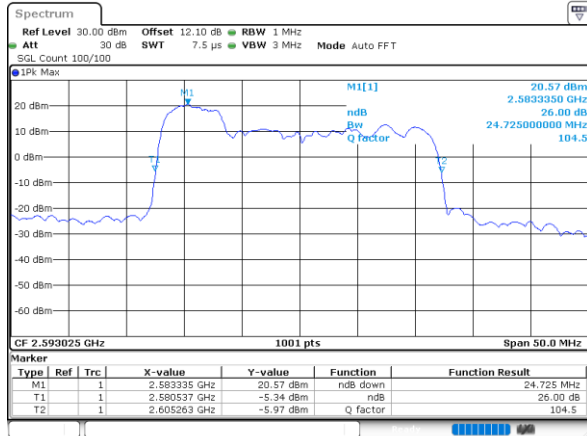




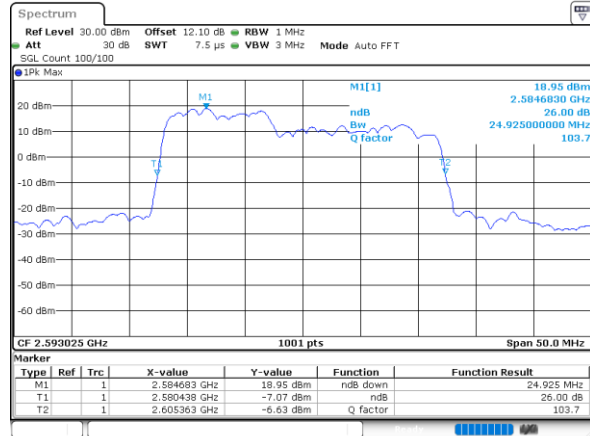
LTE Band 41C

256QAM

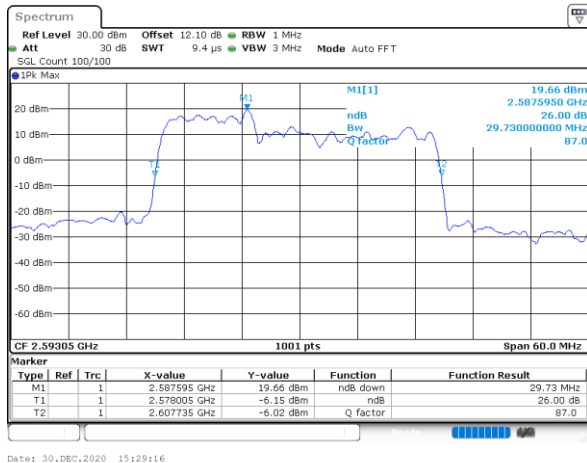
Middle Channel / 5MHz+20MHz



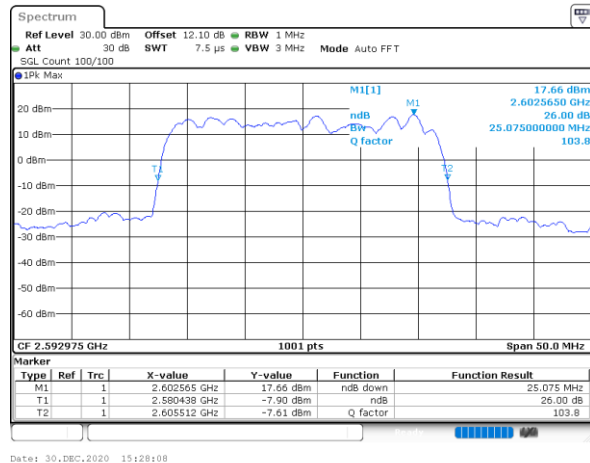
Middle Channel / 10MHz+15MHz



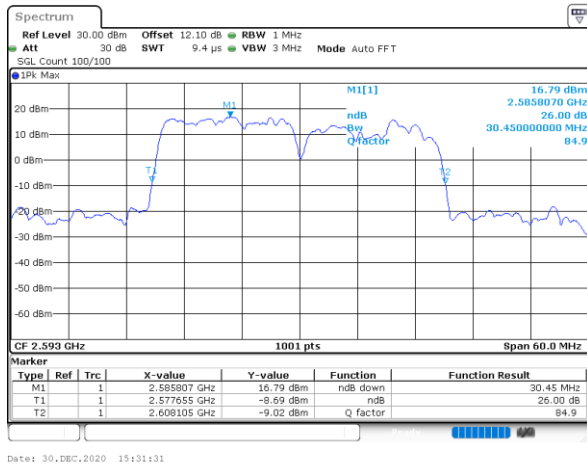
Middle Channel / 10MHz+20MHz



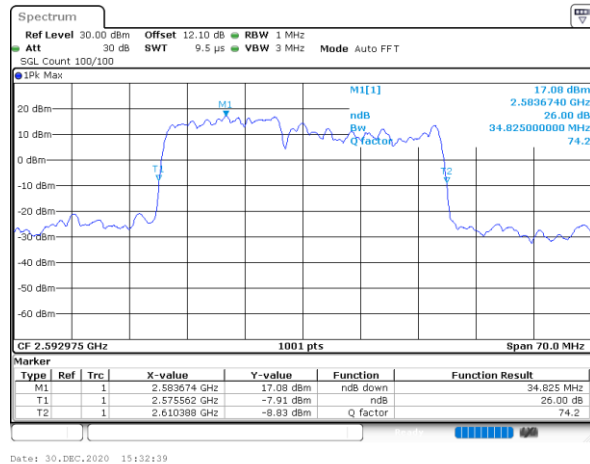
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

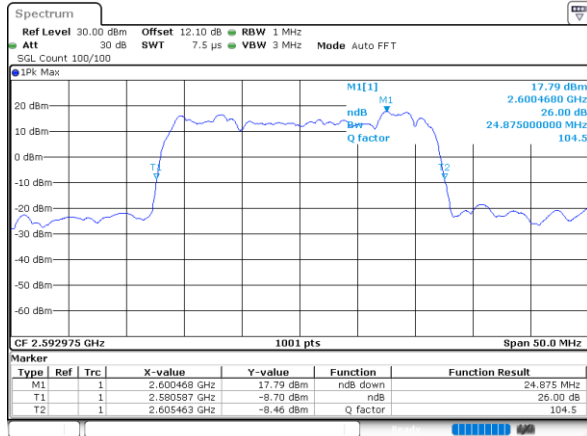




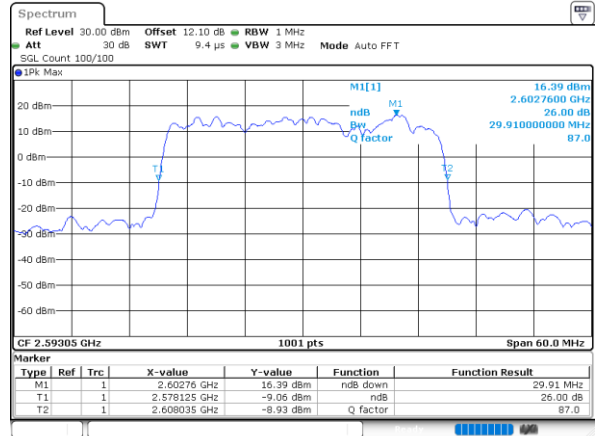
LTE Band 41C

256QAM

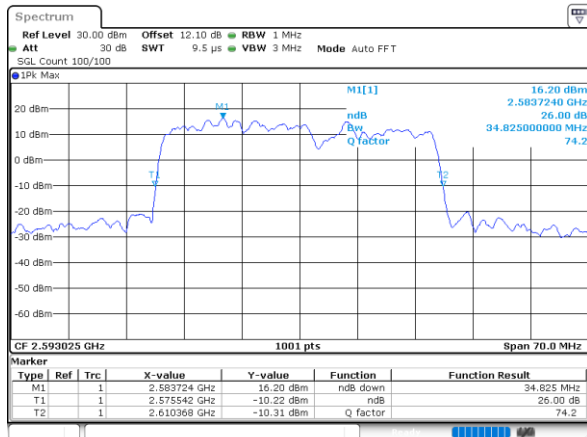
Middle Channel / 20MHz+5MHz



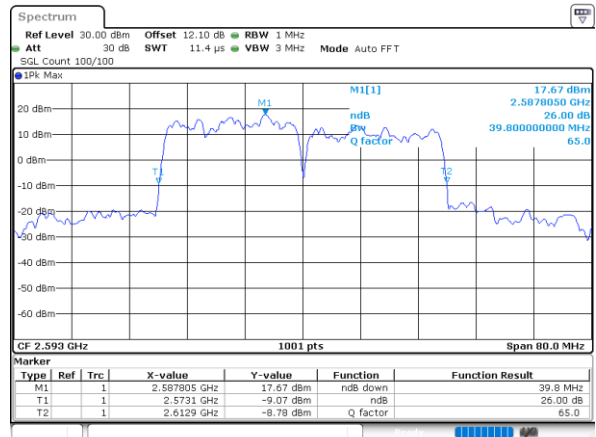
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz



**Occupied Bandwidth**

Mode	LTE Band 41C : 99%OBW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.18	23.23	27.75	23.28	28.35
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.45	23.23	27.99	32.87	37.80

Mode	LTE Band 41C : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	22.98	23.28	27.69	23.38	28.35
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.73	23.13	28.23	32.52	37.40

Mode	LTE Band 41C : 99%OBW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	22.93	23.28	27.75	23.08	28.53
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.87	23.23	27.99	32.80	37.56

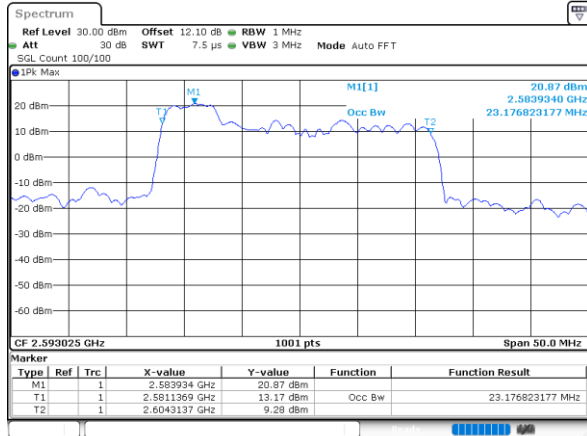
Mode	LTE Band 41C : 99%OBW(MHz)				
256QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.08	23.23	27.99	23.33	28.35
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.80	23.23	27.69	32.52	37.56



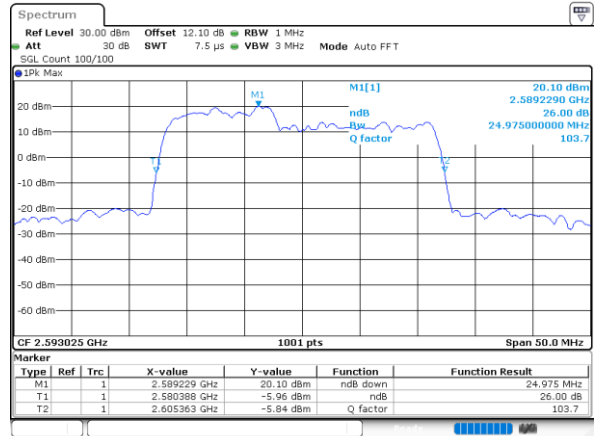
LTE Band 41C

QPSK

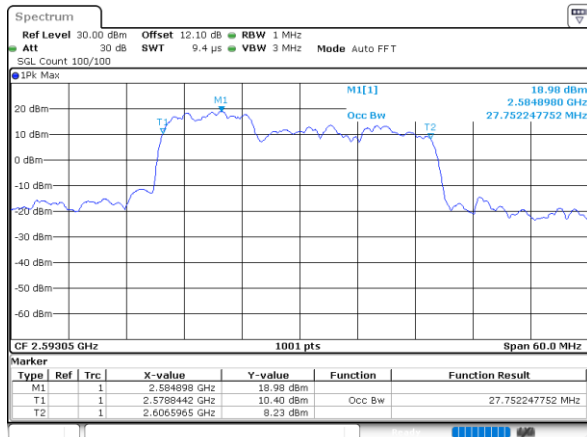
Middle Channel / 5MHz+20MHz



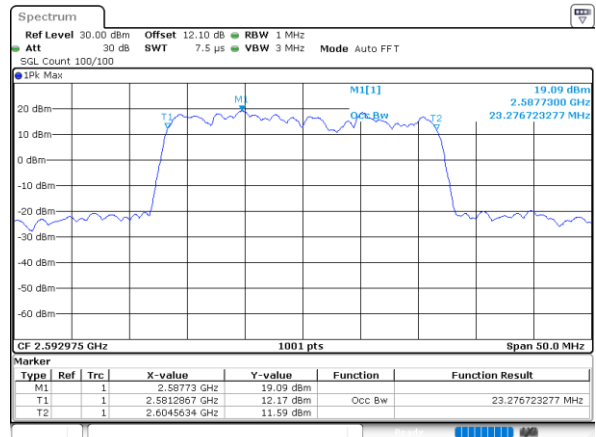
Middle Channel / 10MHz+15MHz



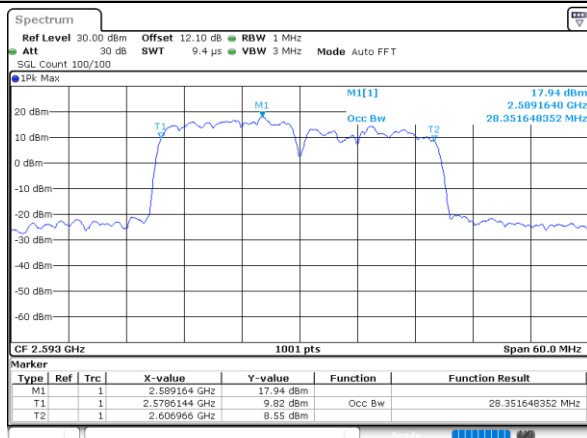
Middle Channel / 10MHz+20MHz



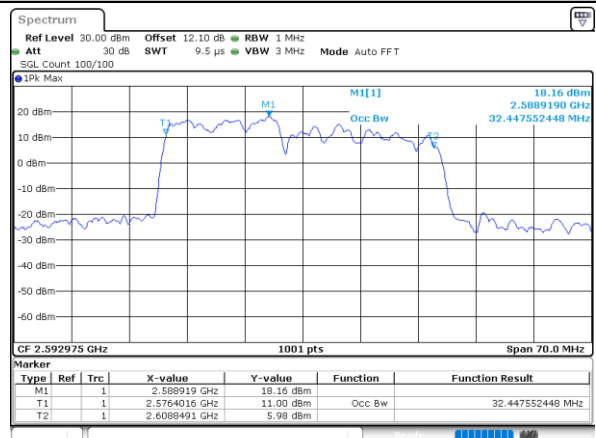
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

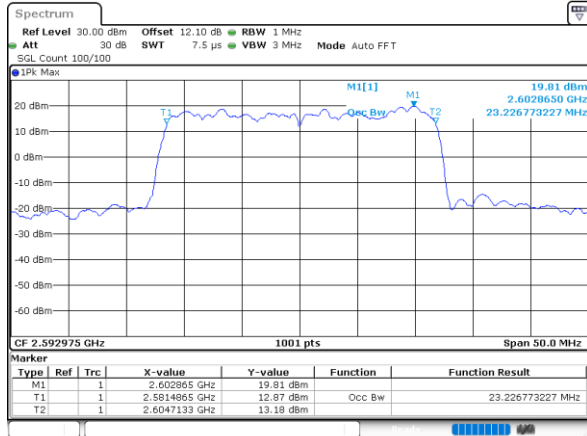




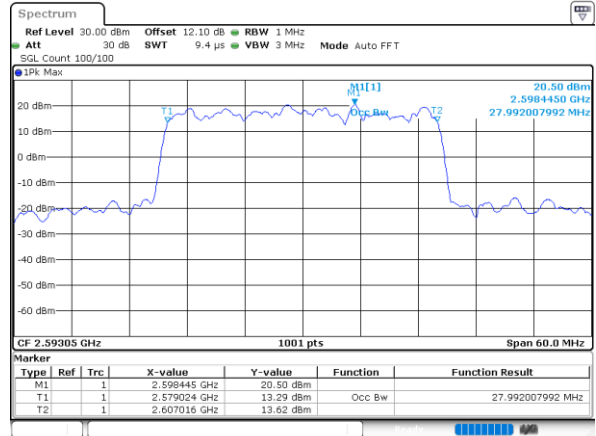
LTE Band 41C

QPSK

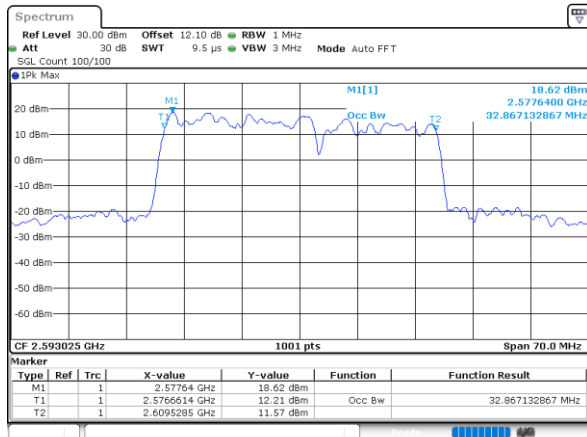
Middle Channel / 20MHz+5MHz



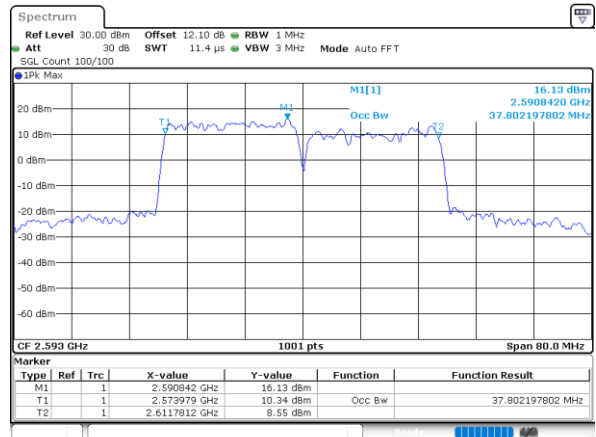
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

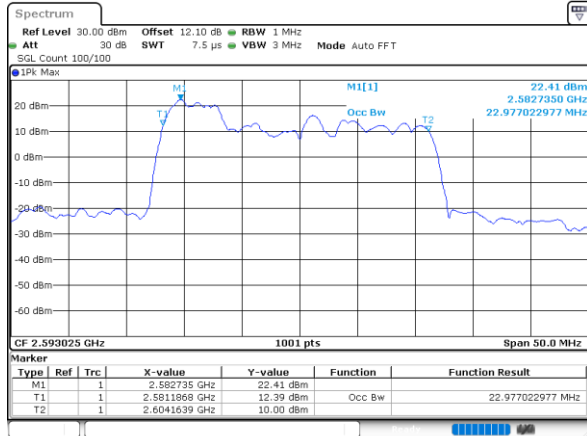




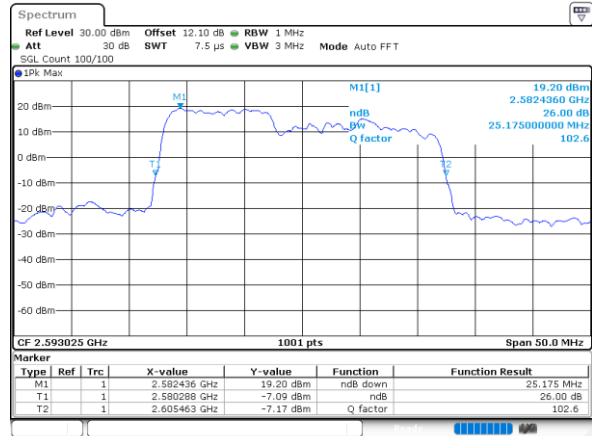
LTE Band 41C

16QAM

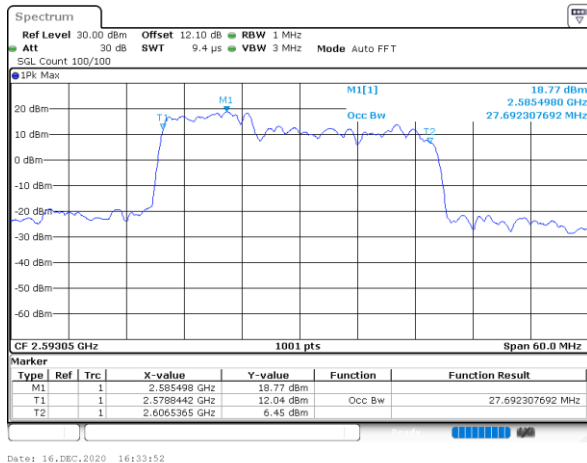
Middle Channel / 5MHz+20MHz



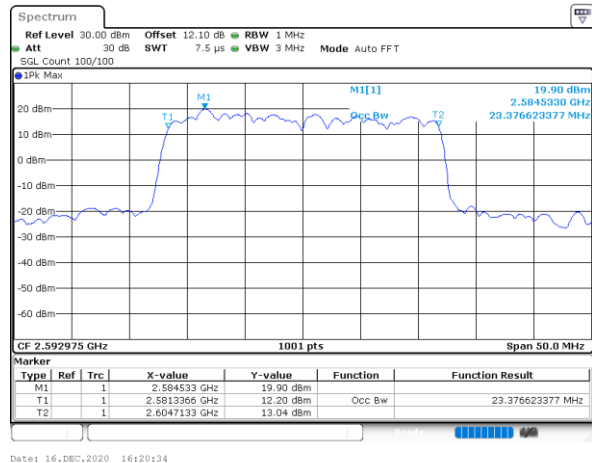
Middle Channel / 10MHz+15MHz



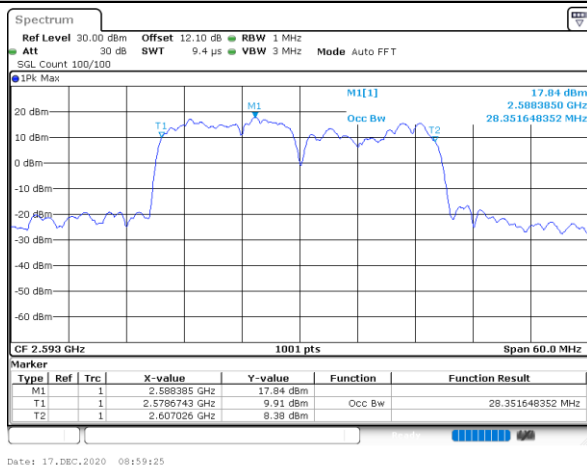
Middle Channel / 10MHz+20MHz



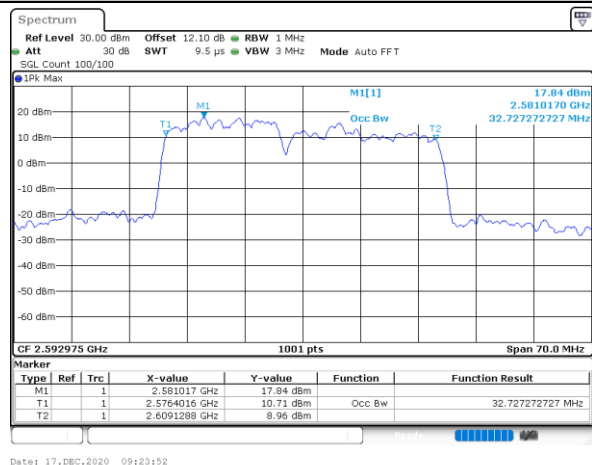
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

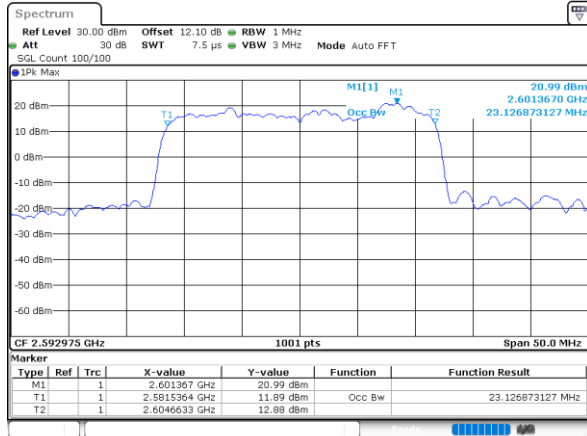




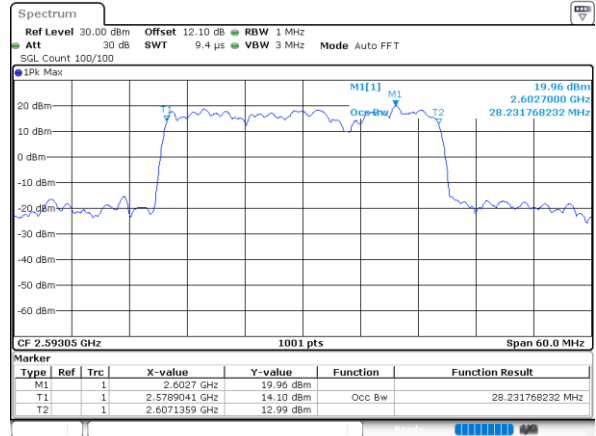
LTE Band 41C

16QAM

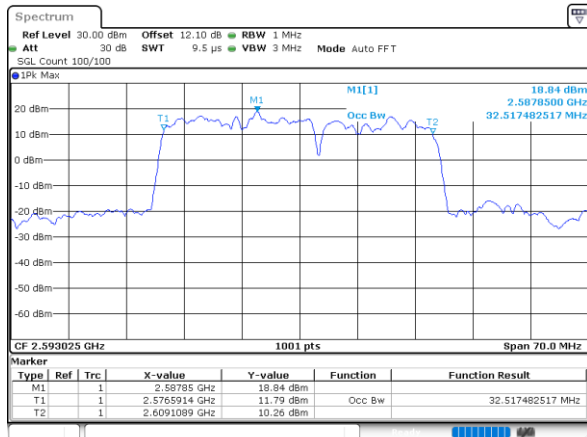
Middle Channel / 20MHz+5MHz



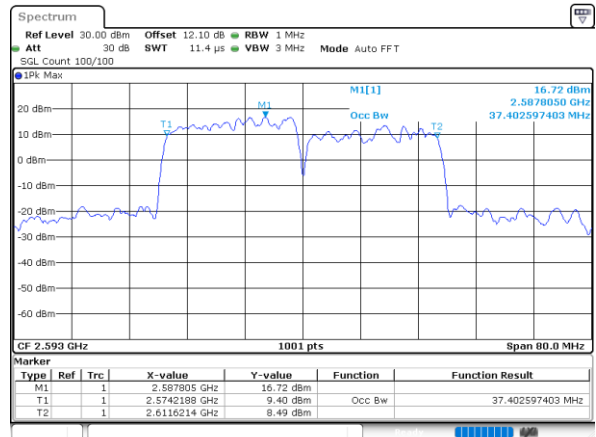
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

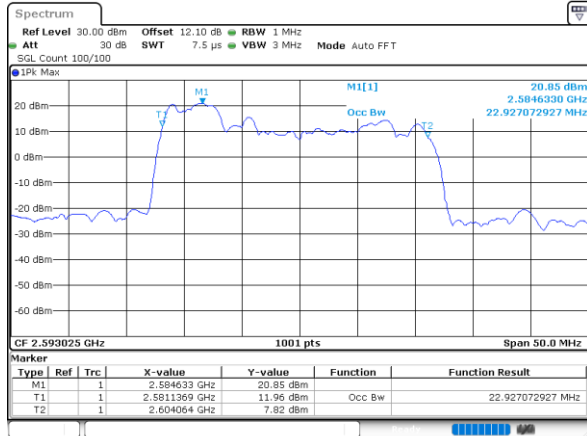




LTE Band 41C

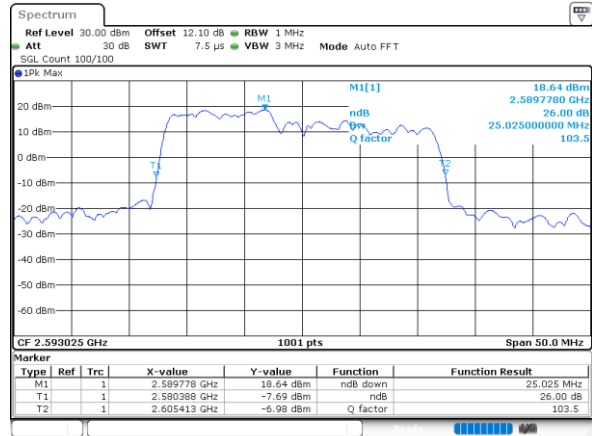
64QAM

Middle Channel / 5MHz+20MHz



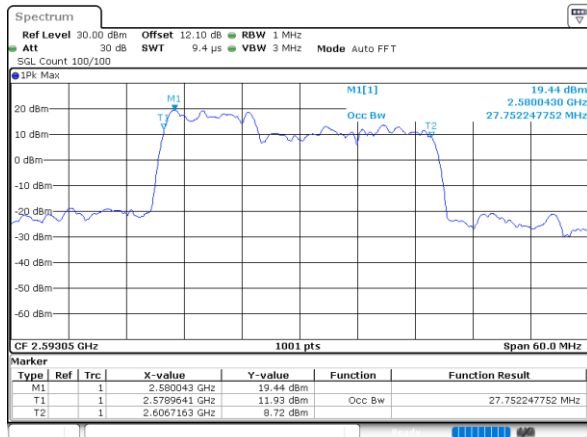
Date: 16, DEC, 2020 13:48:04

Middle Channel / 10MHz+15MHz



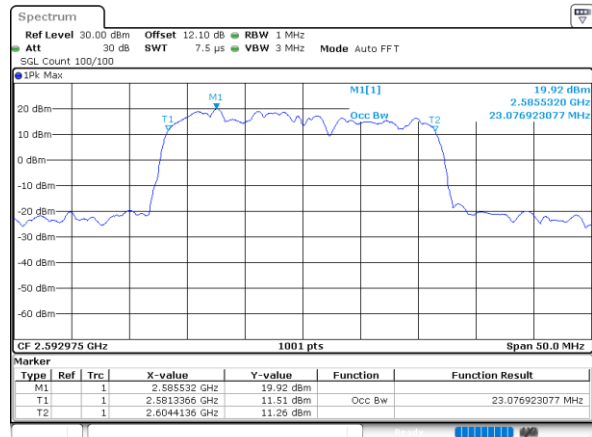
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Middle Channel / 10MHz+20MHz



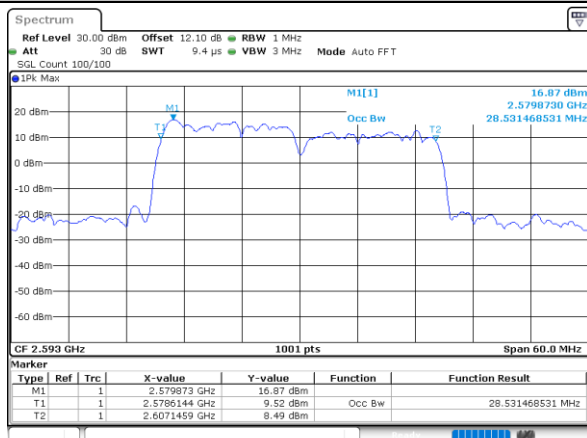
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Middle Channel / 15MHz+10MHz



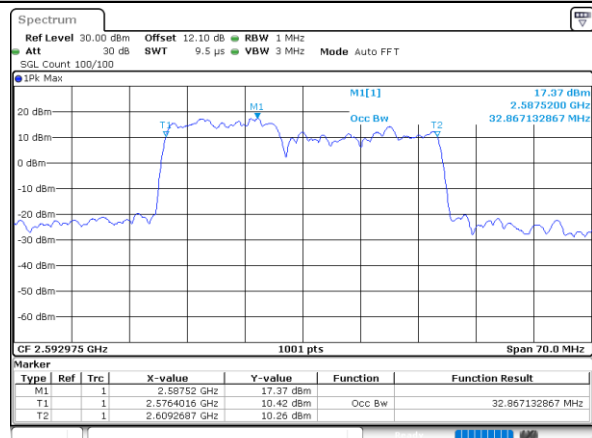
Date: 16, DEC, 2020 16:20:58

Middle Channel / 15MHz+15MHz



Date: 17, DEC, 2020 08:59:49

Middle Channel / 15MHz+20MHz



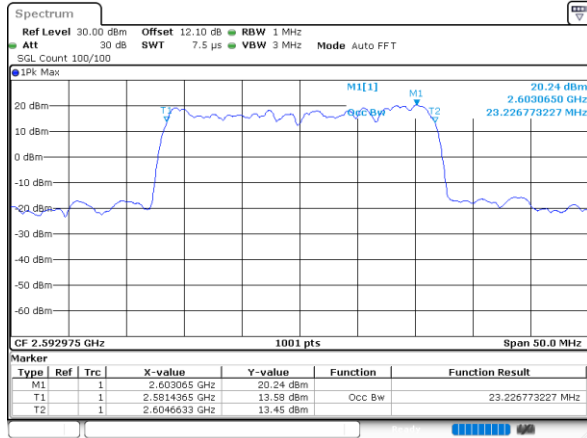
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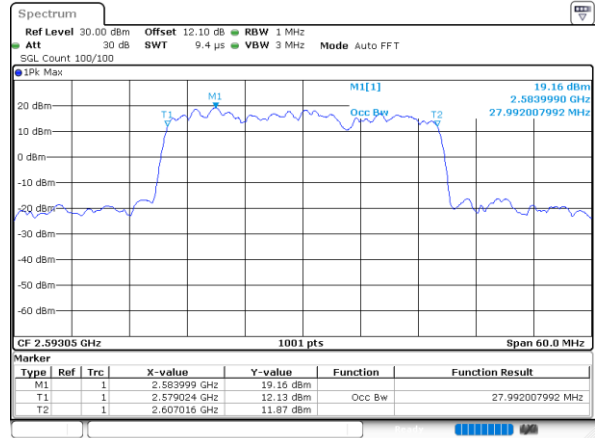
LTE Band 41C

64QAM

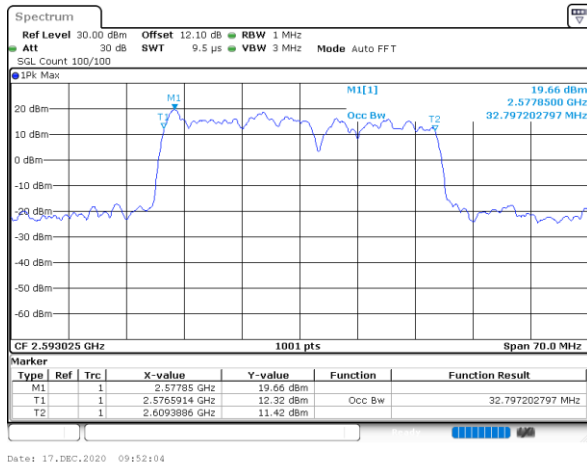
Middle Channel / 20MHz+5MHz



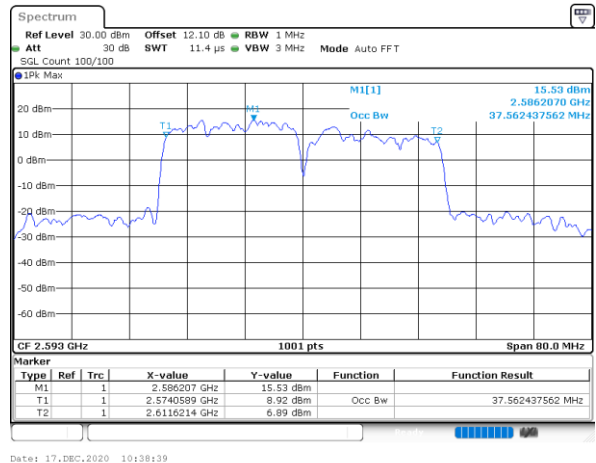
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

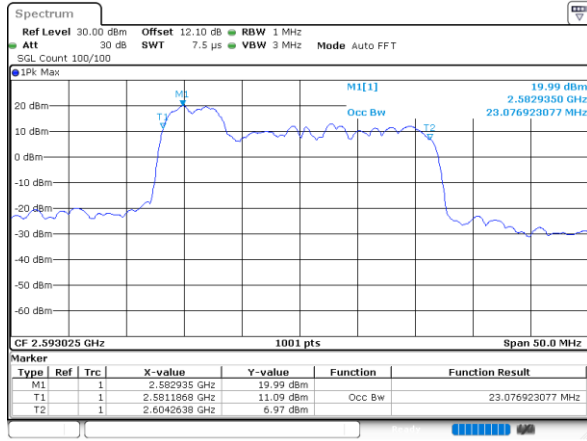




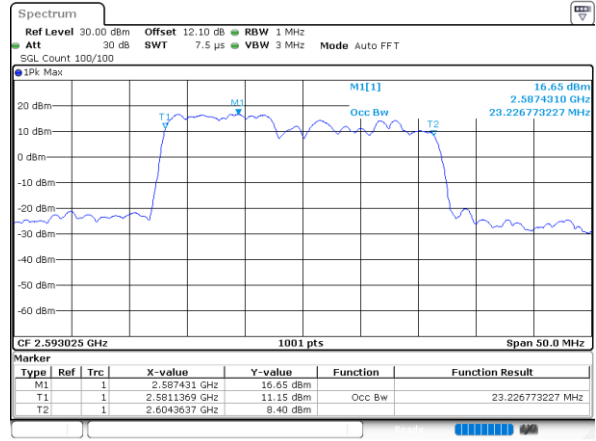
LTE Band 41C

256QAM

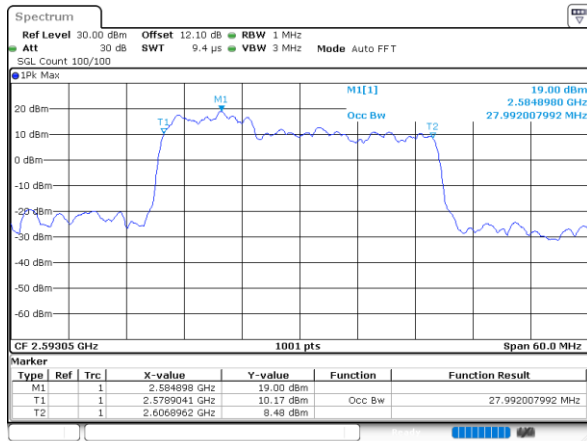
Middle Channel / 5MHz+20MHz



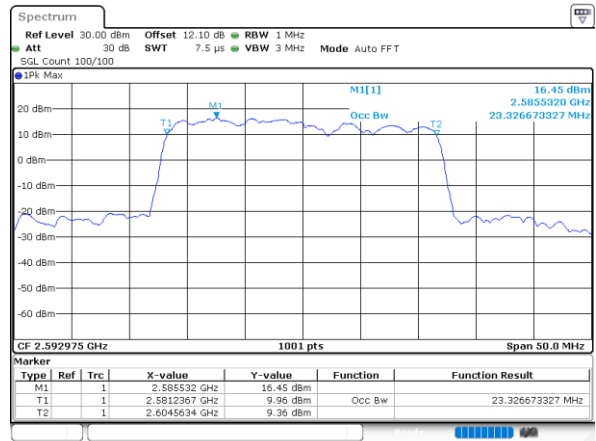
Middle Channel / 10MHz+15MHz



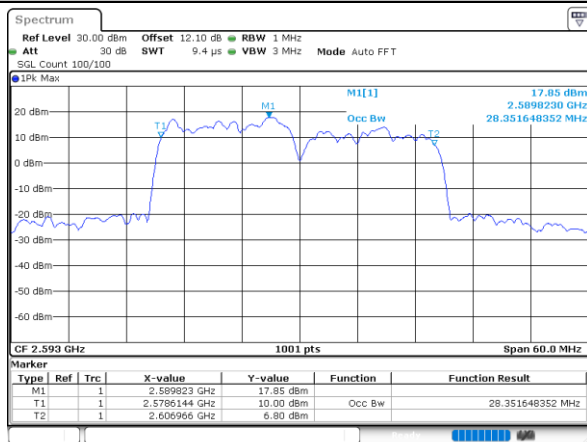
Middle Channel / 10MHz+20MHz



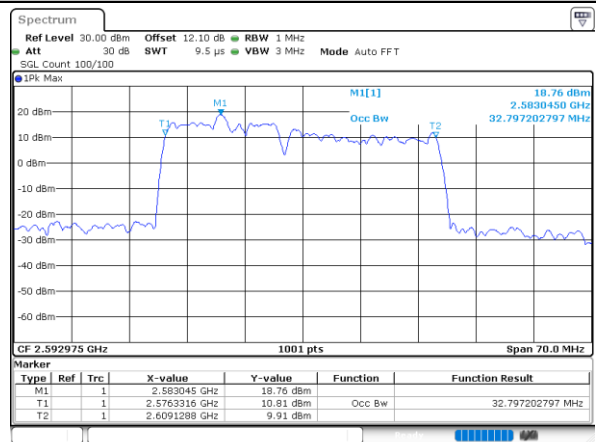
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

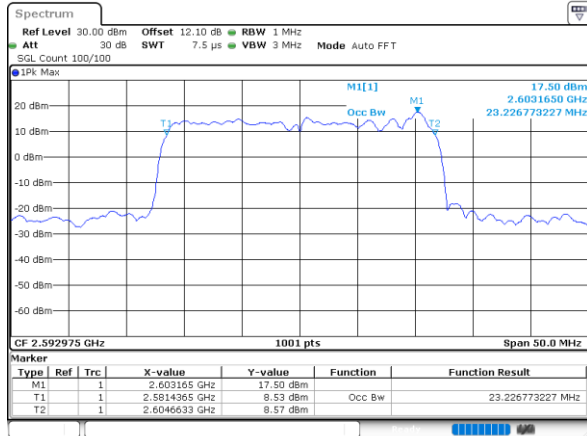




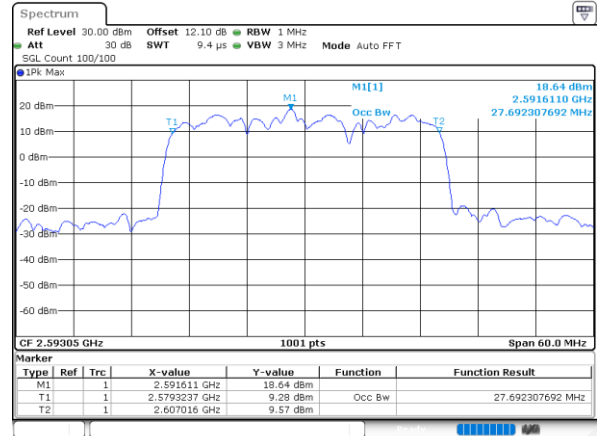
LTE Band 41C

256QAM

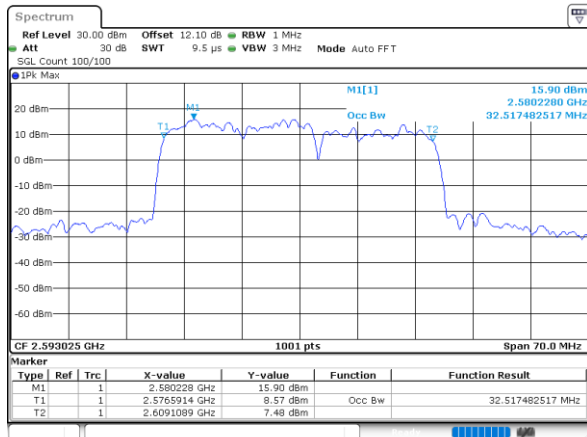
Middle Channel / 20MHz+5MHz



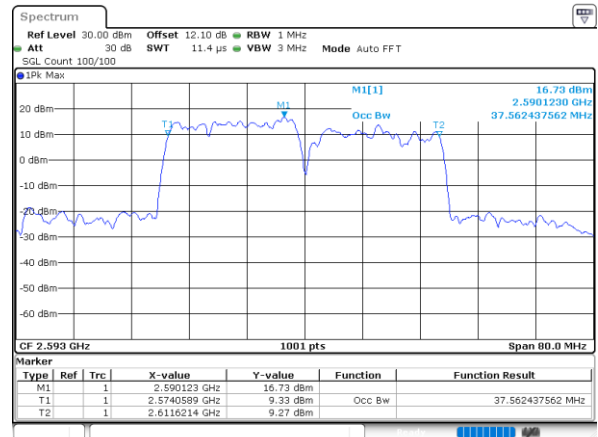
Middle Channel / 20MHz+10MHz

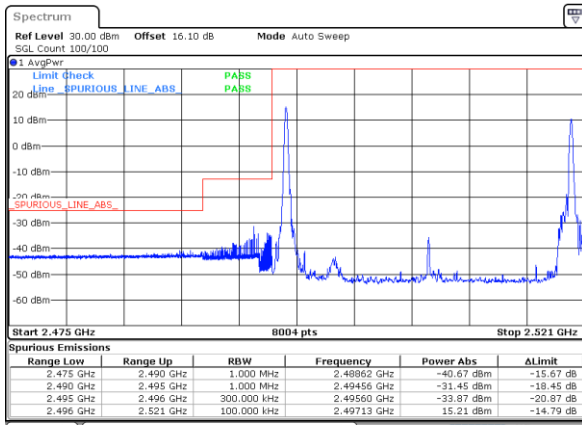
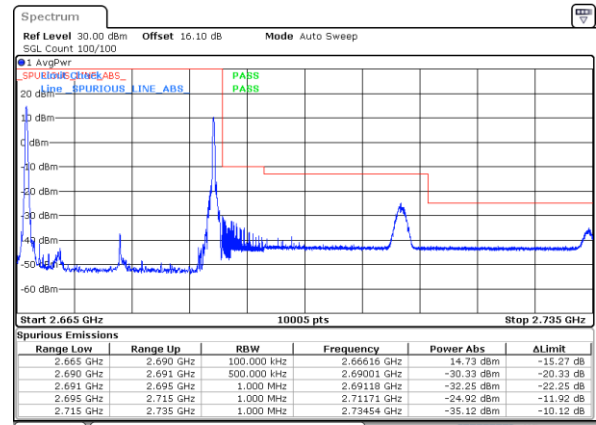
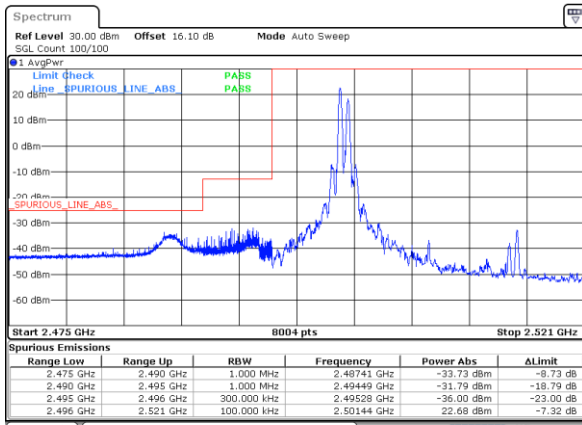
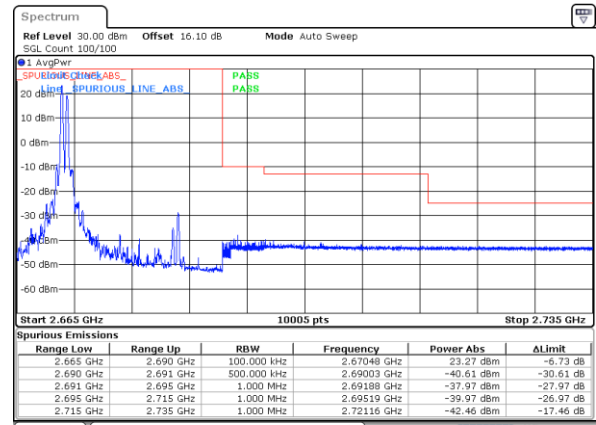


Middle Channel / 20MHz+15MHz



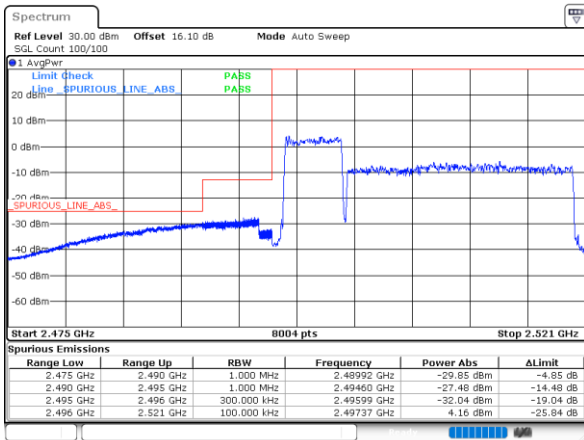
Middle Channel / 20MHz+20MHz



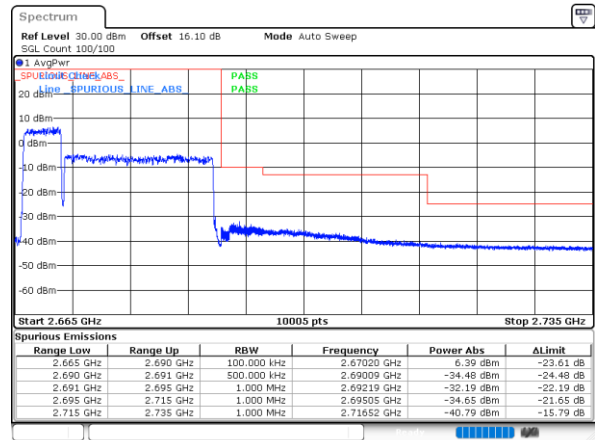
**Conducted Band Edge****LTE Band 41C / 5MHz+20MHz****QPSK****Lowest Band Edge / 1RB0 and 1RB99****Highest Band Edge / 1RB0 and 1RB99****Lowest Band Edge / 1RB24 and 1RB0****Highest Band Edge / 1RB24 and 1RB0**

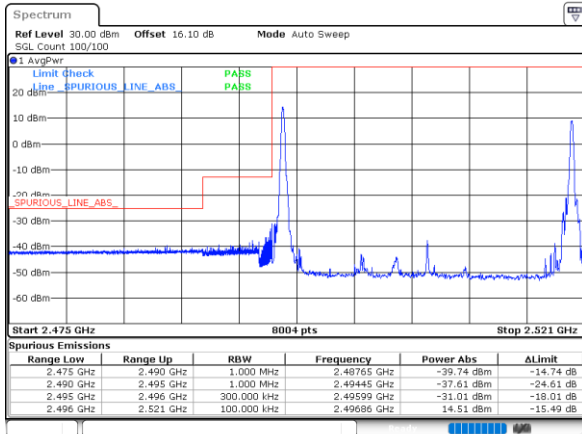
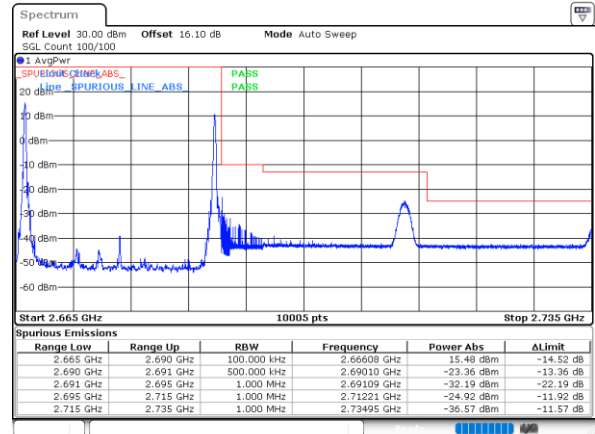
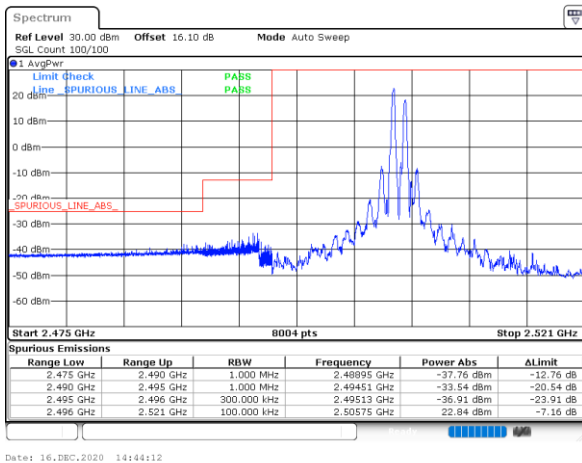
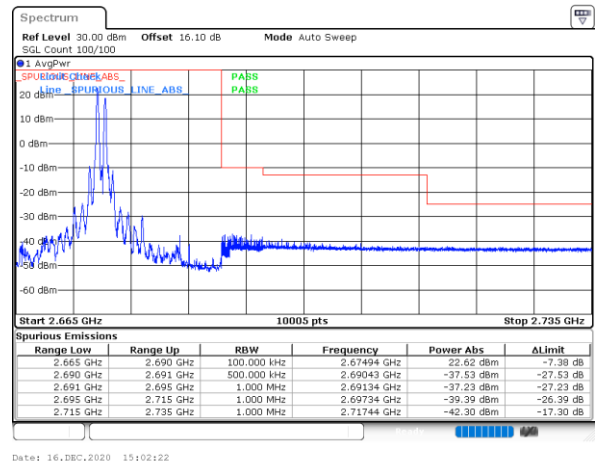
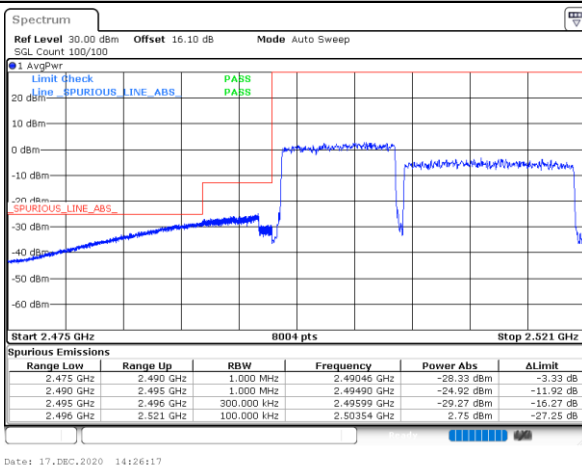
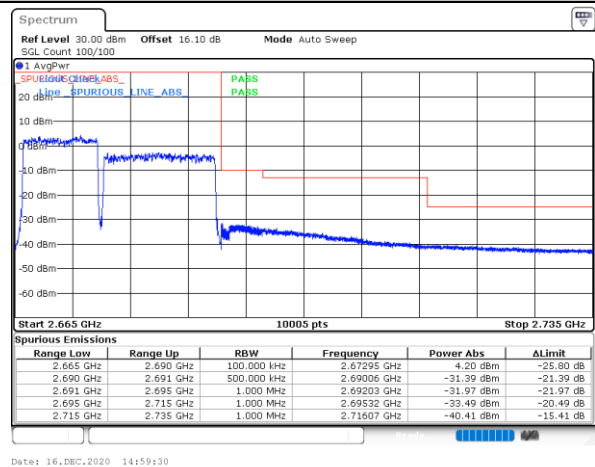


Lowest Band Edge / Full RB



Highest Band Edge / Full RB



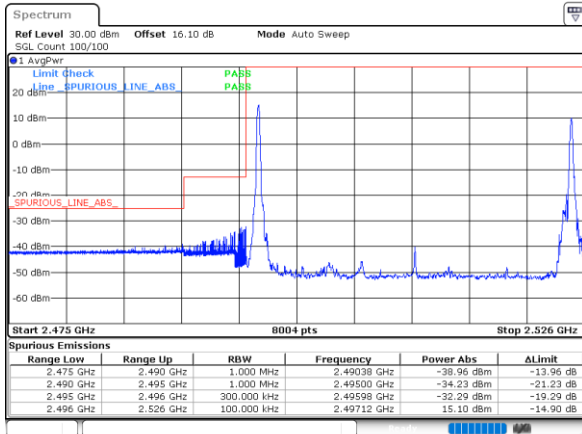
LTE Band 41C / 10MHz+15MHz
QPSK
Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

Lowest Band Edge / Full RB

Highest Band Edge / Full RB




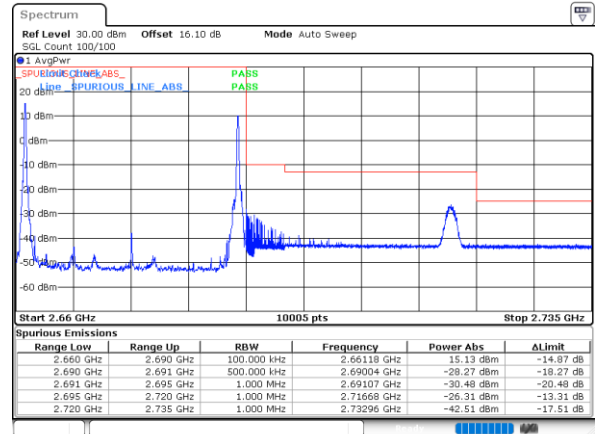
LTE Band 41C / 10MHz+20MHz

QPSK

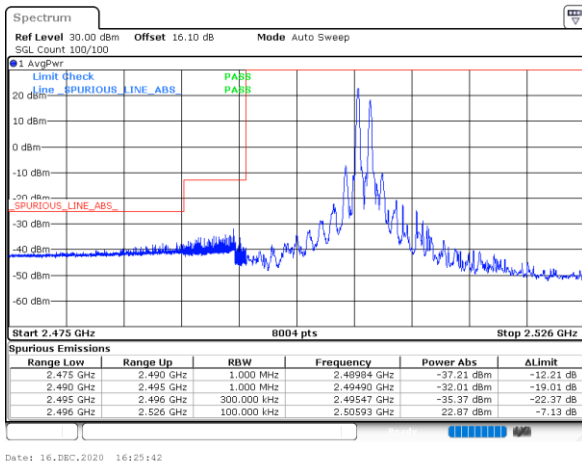
Lowest Band Edge / 1RB0 and 1RB99



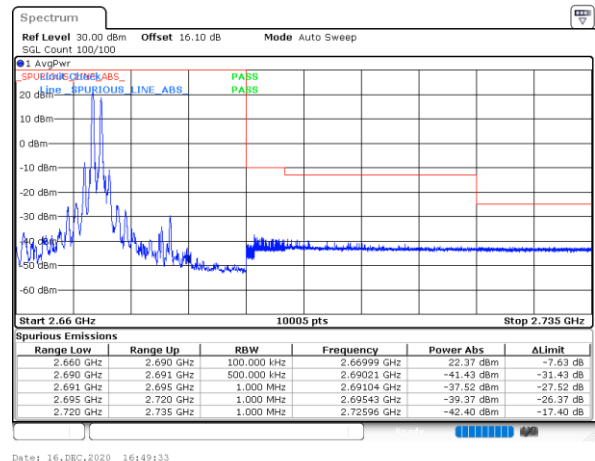
Highest Band Edge / 1RB0 and 1RB99



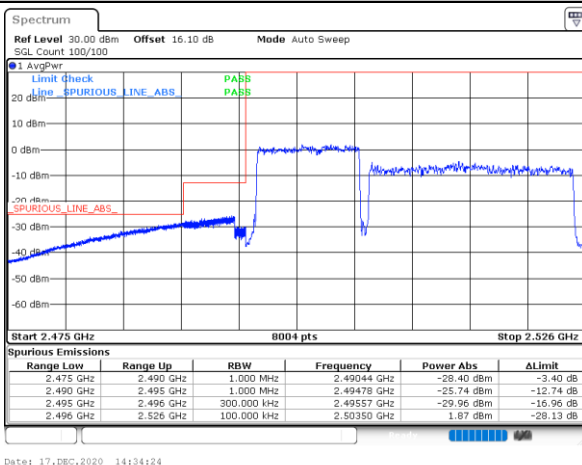
Lowest Band Edge / 1RB49 and 1RB0



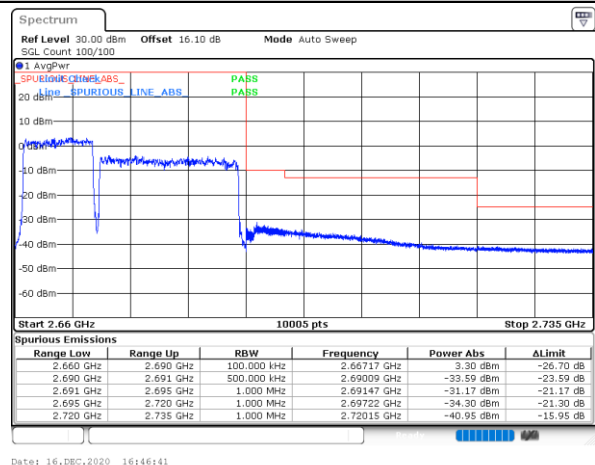
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

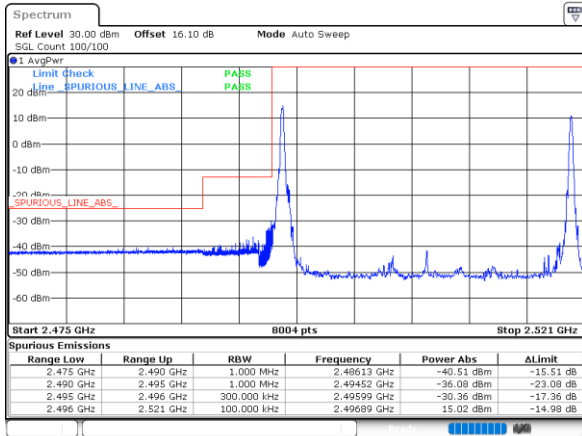




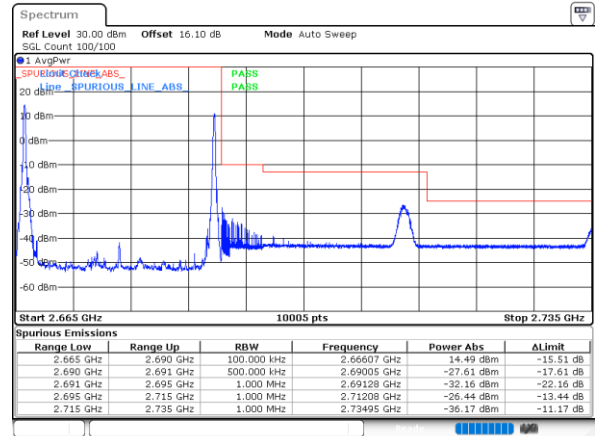
LTE Band 41C / 15MHz+10MHz

QPSK

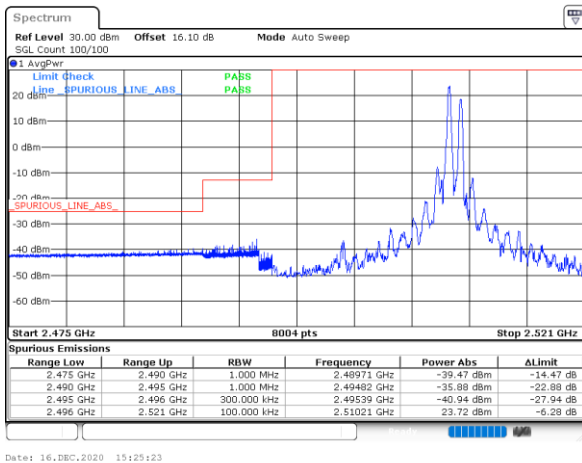
Lowest Band Edge / 1RB0 and 1RB49



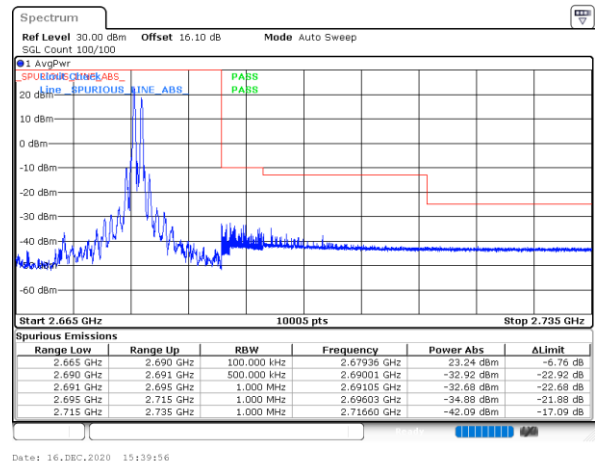
Highest Band Edge / 1RB0 and 1RB49



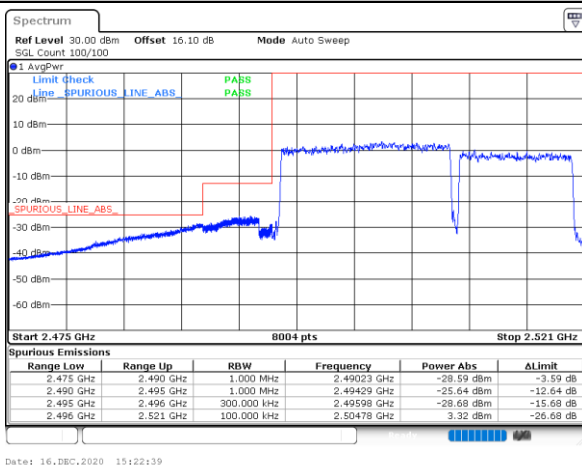
Lowest Band Edge / 1RB74 and 1RB0



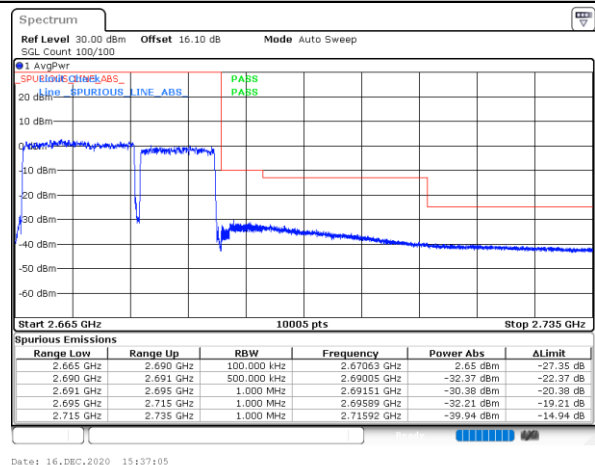
Highest Band Edge / 1RB74 and 1RB0

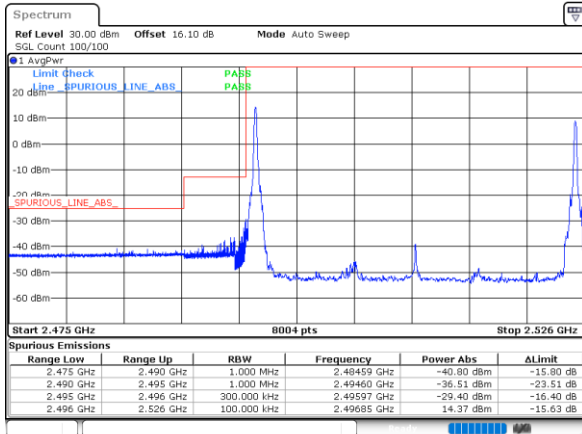
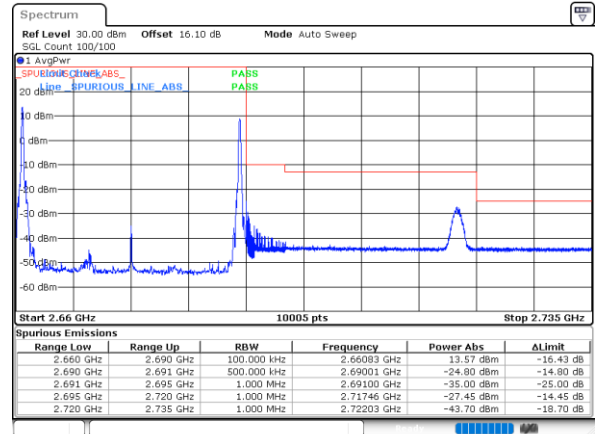
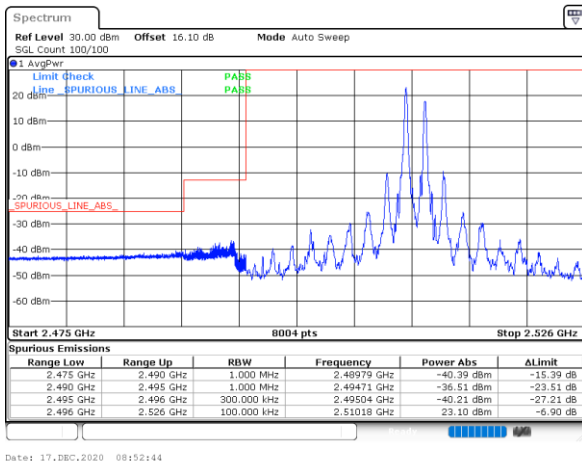
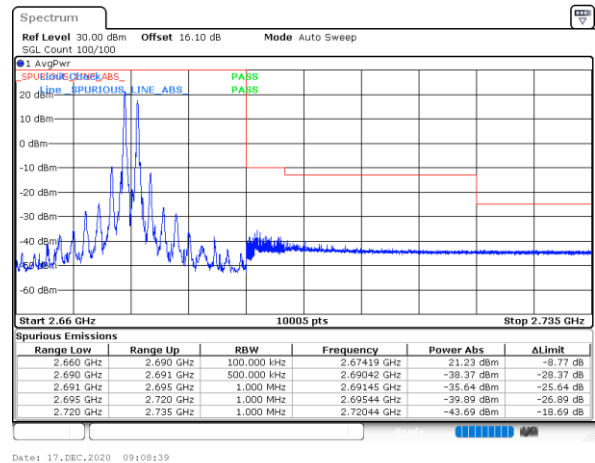
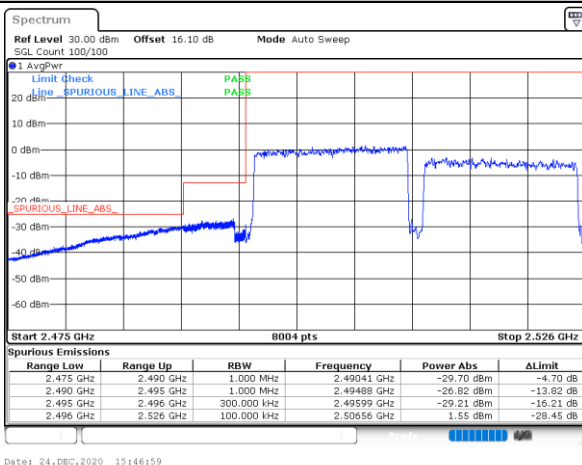
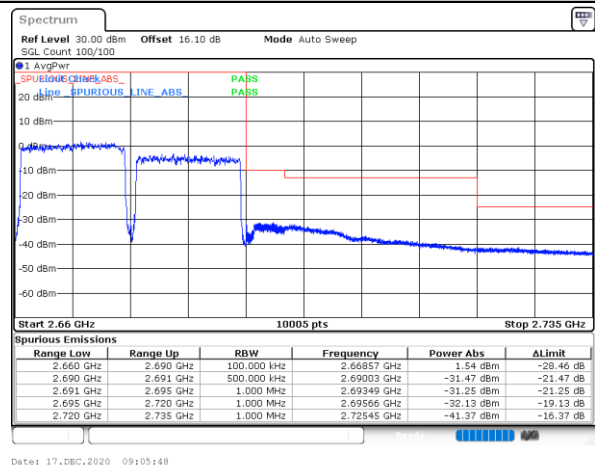


Lowest Band Edge / Full RB



Highest Band Edge / Full RB



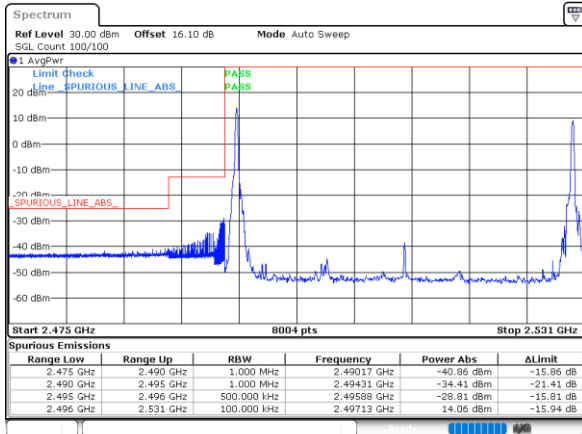
LTE Band 41C / 15MHz+15MHz
QPSK
Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

Lowest Band Edge / Full RB

Highest Band Edge / Full RB




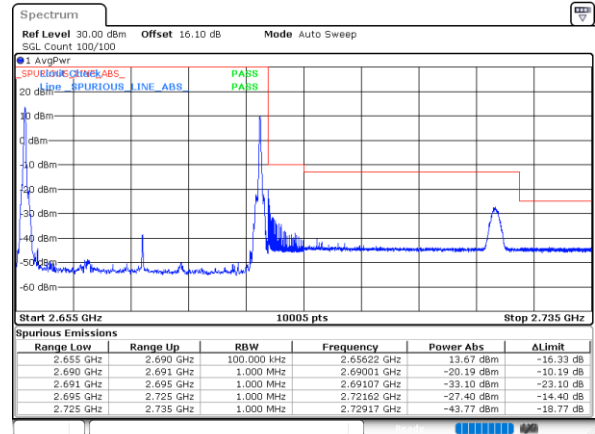
LTE Band 41C / 15MHz+20MHz

QPSK

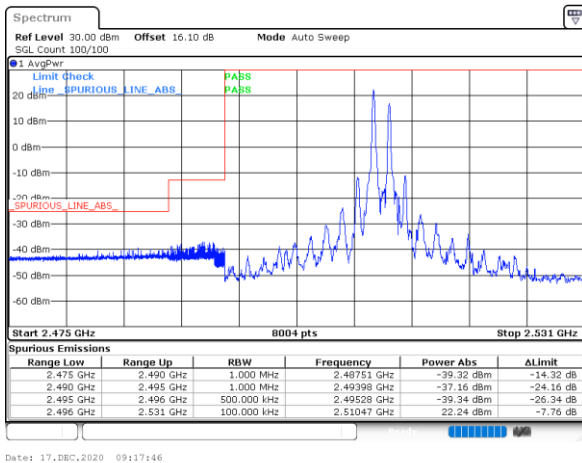
Lowest Band Edge / 1RB0 and 1RB99



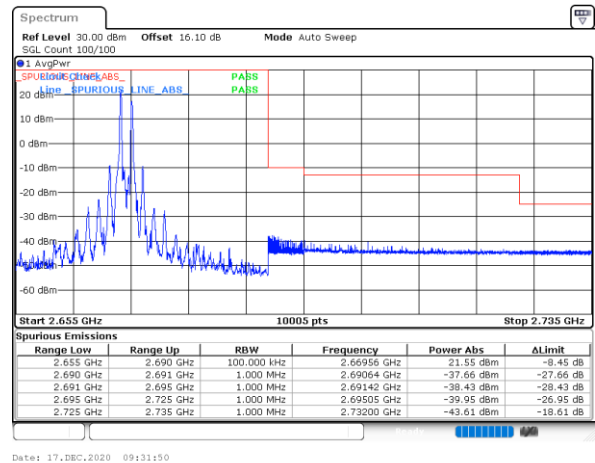
Highest Band Edge / 1RB0 and 1RB99



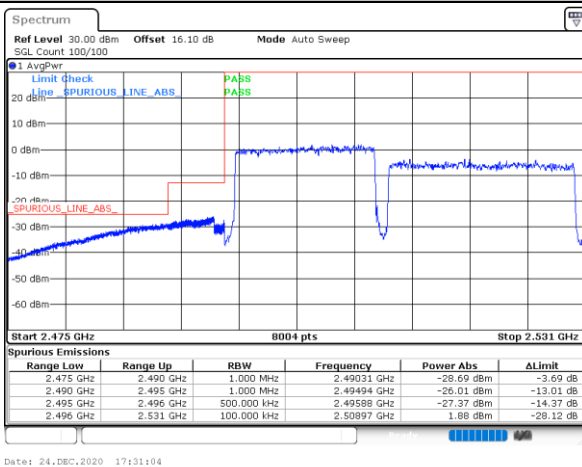
Lowest Band Edge / 1RB74 and 1RB0



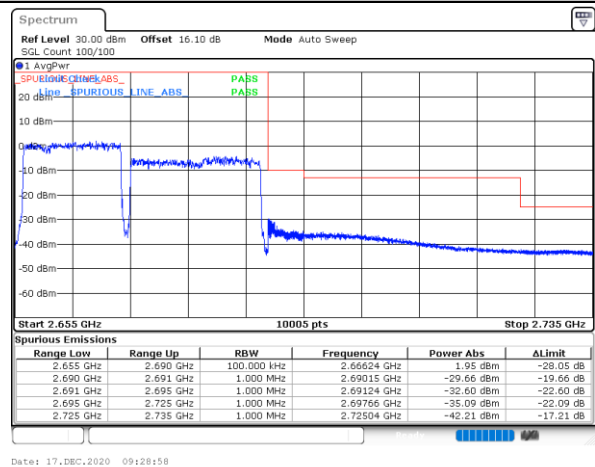
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

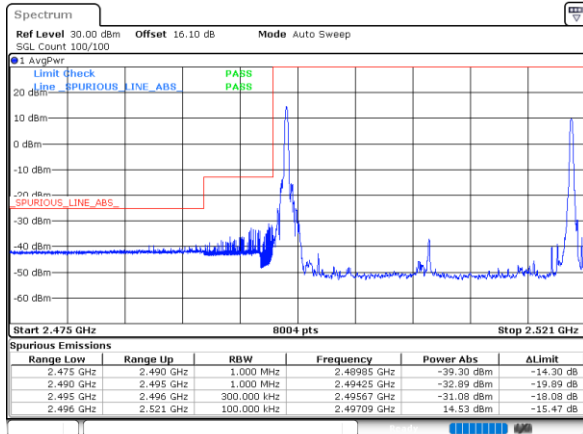




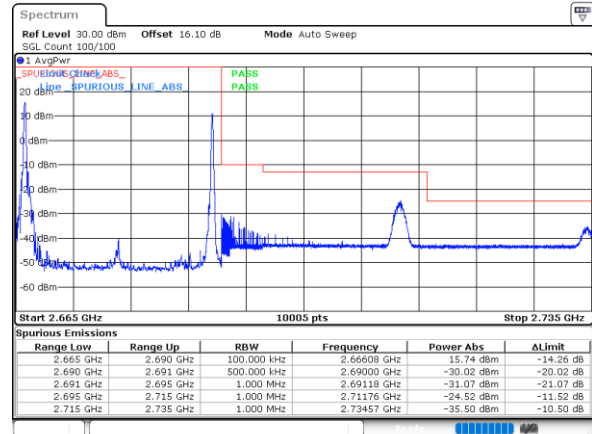
LTE Band 41C / 20MHz+5MHz

QPSK

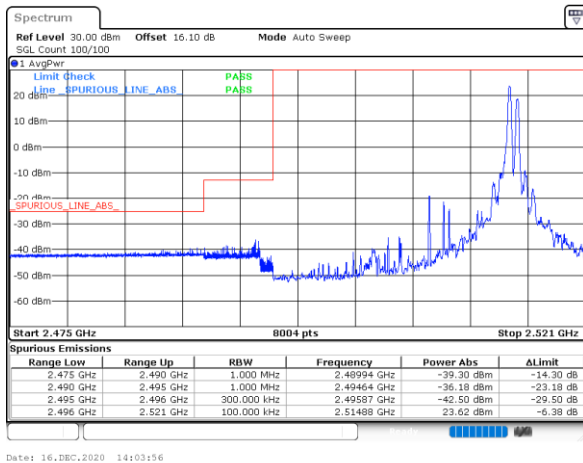
Lowest Band Edge / 1RB0 and 1RB24



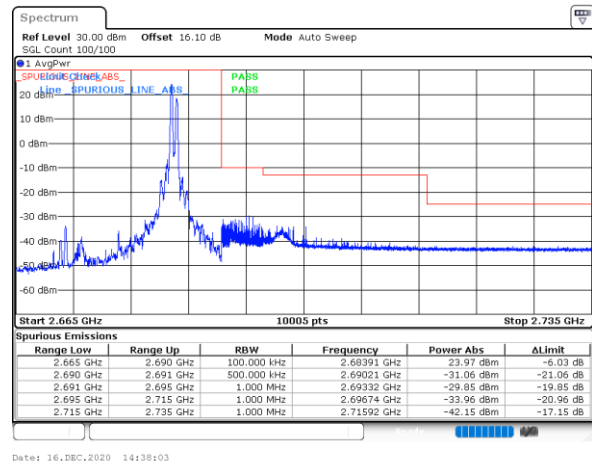
Highest Band Edge / 1RB0 and 1RB24



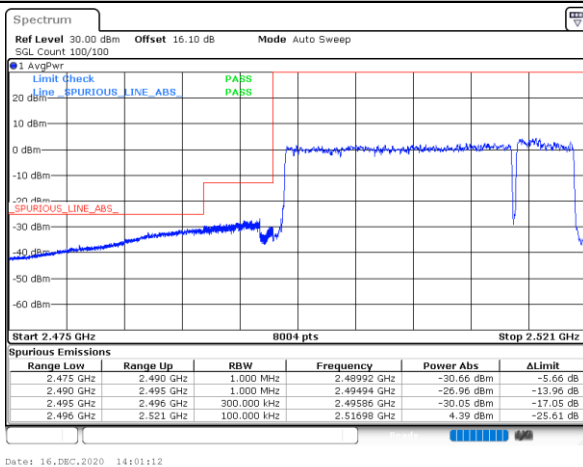
Lowest Band Edge / 1RB99 and 1RB0



Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

