FCC RADIO TEST REPORT

FCC ID	:	**2AQ68T99B226**
Equipment	:	**LTE Small Cell**
Model Name	:	**T99B226**
Applicant	:	**HON LIN Technology Co., Ltd** **11F, No. 32, Jihu Rd., Neihu Dist., Taipei City, Taiwan.**
Manufacturer	:	**HON LIN Technology Co., Ltd** **11F, No. 32, Jihu Rd., Neihu Dist., Taipei City, Taiwan.**
Standard	:	**FCC 47 CFR Part 2, 96**

The product was received on Oct. 12, 2020 and testing was started from Oct. 17, 2020 and completed on Nov. 18, 2020. 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 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
FG0O1212	01	Initial issue of report	Jan. 18, 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	-
3.3	§96.41	Peak-to-Average Ratio	Pass	
3.4	§96.41	Effective Isotropic Radiated Power	Pass	-
		Power Density	Pass	-
3.5	§2.1049 §96.41	Occupied Bandwidth	Reporting only	-
3.6	§2.1051 §96.41	Conducted Band Edge Measurement	Pass	-
3.7	§2.1051 §96.41	Conducted Spurious Emission	Pass	
4.4	§2.1051 §96.41	Radiated Spurious Emission	Pass	Under limit 0.82 dB at 14242.000 MHz

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: Dara Chiu

1 General Description

1.1 Product Feature of Equipment Under Test

LTE and GNSS

Product Specification subjective to this standard	
Sample 1	EUT with Internal Antenna Sku
Sample 2	EUT with External Antenna Sku
Antenna Type / Gain	WWAN <External Antenna>: Monopole Antenna, peak gain: 7.47dBi <Internal Antenna>: Patch Antenna, peak gain: 13.2dBi GPS/Glonass: External Antenna

Remark: The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

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	Sherry Wu and Luffy Lin
Temperature (℃)	23 ~ 25
Relative Humidity (%)	51 ~ 56

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH12-HY
Test Engineer	Jack Cheng, Lance Chiang, and Chuan Chu
Temperature (℃)	22.3 ~ 26.4
Relative Humidity (%)	58 ~ 66

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190 and TW0007

1.4 Applied 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, 96
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- FCC KDB 940660 D01 Part 96 CBRS Eqpt v02
- FCC KDB 662911 D02 MIMO with Cross Polarized Antenna v01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- FCC KDB 414788 D01 Radiated Test Site 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.

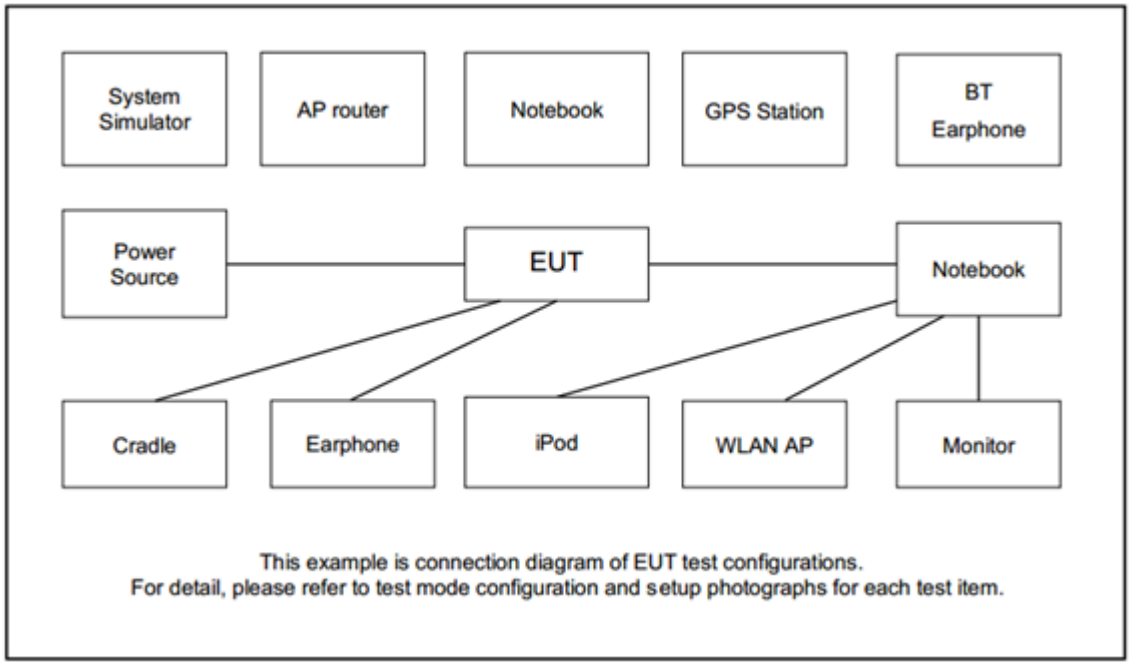
For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z, and the worst cases which listed below were recorded in this report

1. X Plane with PoE Plane for LTE Band 48 (Outdoor External Ant.)
2. Z Plane with PoE Plane for LTE Band 48CA (Outdoor External Ant.)
3. X Plane with PoE Plane for LTE Band 48 (Outdoor Internal Ant.)
4. X Plane with PoE Plane for LTE Band 48CA (Outdoor Internal Ant.)

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	48	-	-		v		v	v	v	v	v	v	v	v	v	v
Peak EIRP Density	48	-	-		v		v	v	v	v			v	v	v	v
26dB and 99% Bandwidth	48	-	-		v		v	v	v	v			v	v	v	v
Conducted Band Edge	48	-	-		v		v	v	v	v			v	v	v	v
Peak-to-Average Ratio	48	-	-				v	v	v	v	v		v	v	v	v
Conducted Spurious Emission	48	-	-		v		v	v	v	v	v		v	v	v	v
E.I.R.P	48	-	-		v		v	v	v	v	v			v	v	v
Radiated Spurious Emission	48	Worst Case												v	v	v
Remark	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.															

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	1	Half	Full	L	M	H
Max. Output Power	48_CA	v							-	-	-	v	v	v	v	v	v	v	v	v
Peak EIRP Density	48_CA	v							-	-	-	v	v	v	v	v	v	v	v	v
26dB and 99% Bandwidth	48_CA	v							-	-	-	v	v	v			v	v	v	v
Conducted Band Edge	48_CA	v							-	-	-	v	v	v			v	v		v
Conducted Spurious Emission	48_CA	v							-	-	-	v	v	v			v	v	v	v
E.I.R.P.	48_CA	v							-	-	-	v	v	v	v			v	v	v
Radiated Spurious Emission	48_CA	Worst Case																v	v	v
Remark	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.																			

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	Power Supply	GWINSTEK	PSS-2002	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
3.	Fixture	INTEL	NGFF Card Carrier	N/A	N/A	N/A

2.4 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 :

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.2 + 10 = 14.2 (dB)

Remark: The 10 log (NANT) parameter has been included in the test data, where NANT is the number of Tx.

2.5 Frequency List of Low/Middle/High Channels

LTE Band 48 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	55340	55990	56640
	Frequency	3560.0	3625.0	3690.0
10	Channel	55290	55990	56690
	Frequency	3555.0	3625.0	3695.0

LTE Band 48_CA Channel and Frequency List					
BW [MHz]	**Channel/Frequency(MHz)**		**Lowest**	**Middle**	**Highest**
20 + 20	PCC	Channel	55340	55891	56442
		Frequency	3560	3615.1	3670.2
	SCC	Channel	55538	56089	56640
		Frequency	3579.8	3634.9	3690

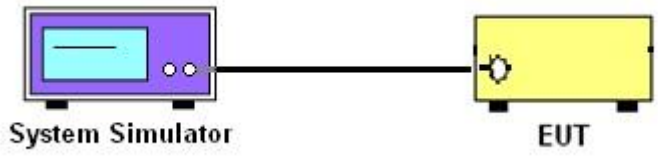
3 Conducted Test Items

3.1 Measuring Instruments

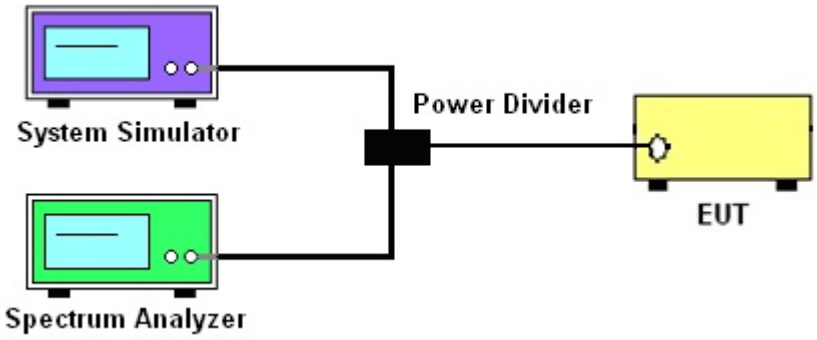
See list of measuring instruments of this test report.

3.1.1 Test Setup

3.1.2 Conducted Output Power



3.1.3 EIRP, Power Density, 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

3.2.1 Description of the Conducted Output Power 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.

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.

Remark: EIRP use worst case measure the total power to cover per 10MHz Power.

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 EIRP and Power Density

3.4.1 Description of the EIRP and Power Density Measurement

The EIRP of mobile transmitters must not exceed 23 dBm /10 megahertz for LTE Band 42 and Band 43, and Band 48.

The testing follows ANSI C63.26-2015 Section 5.2.5.5

According to KDB 412172 D01 Power Approach,

EIRP = $P_T + G_T – L_C$, 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

EIRP and PSD limits for CBRS equipment as below tabel:

Device	Maximum EIRP (dBm/10 MHz)	Maximum PSD (dBm/MHz)
End User Device	23	n/a
Category A CBSD	30	20
Category B CBSD	47	37

3.4.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.4.5

1. Set instrument center frequency to OBW center frequency.
2. Set span to at least 1.5 times the OBW.
3. Set the RBW to the specified reference bandwidth (often 1 MHz).
4. Set VBW ≥ 3 × RBW.
5. Detector = RMS (power averaging).
6. Ensure that the number of measurement points in the sweep ≥ 2 × span/RBW.
7. Sweep time = auto couple.
8. Employ trace averaging (RMS) mode over a minimum of 100 traces.
9. Use the peak marker function to determine the maximum amplitude level within the reference bandwidth (PSD).
10. Determine the EIRP by adding the effective antenna gain to the adjusted power level.

3.5 Occupied Bandwidth

3.5.1 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.

The occupied bandwidth shall not exceed the equipment's channel bandwidth, which is declared by the manufacturer.

3.5.2 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.

3.6 Conducted Band Edge

3.6.1 Description of Conducted Band Edge Measurement

The power of any emission outside outside the fundamental emission (whether in or outside of the authorized band) shall not exceed −13 dBm/MHz. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or less, but at least one percent of the emission bandwidth of the fundamental emission of the transmitter, provided the measured energy is integrated over a 1 MHz bandwidth.

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 band edges of low and high channels for the highest RF powers were measured.
3. Set RBW >= 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. The conducted power of any emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed −13 dBm/MHz within 0-10 megahertz above the upper SAS-assigned channel edge and within 0-10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any emission shall not exceed −25 dBm/MHz

3.7 Conducted Spurious Emission

3.7.1 Description of Conducted Spurious Emission Measurement

96.41 (e)(2)

The conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed −40dBm/MHz.

3.7.2 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 −40dBm/MHz.

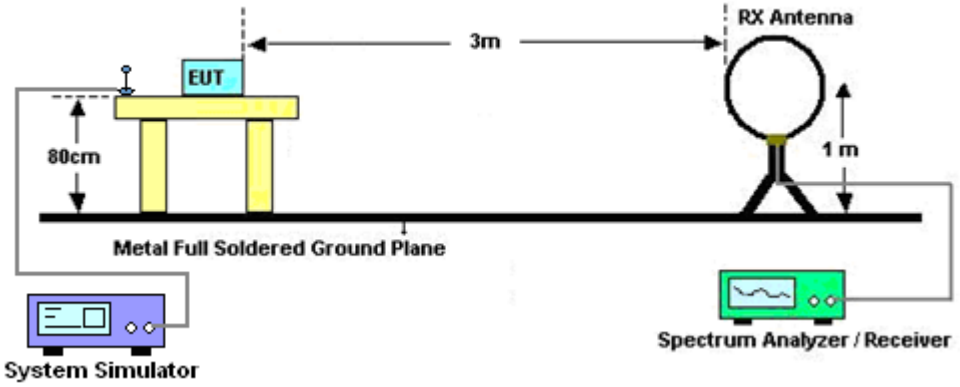
4 Radiated Test Items

4.1 Measuring Instruments

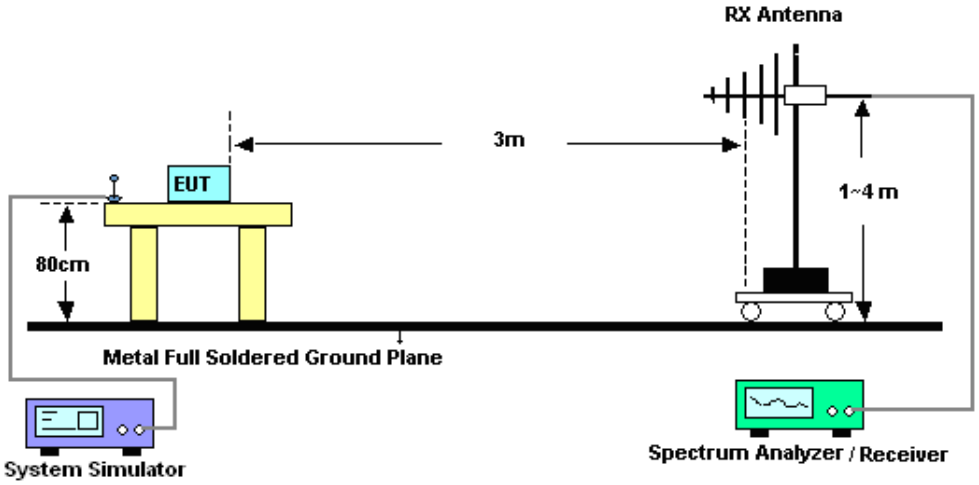
See list of measuring instruments of this test report.

4.2 Test Setup

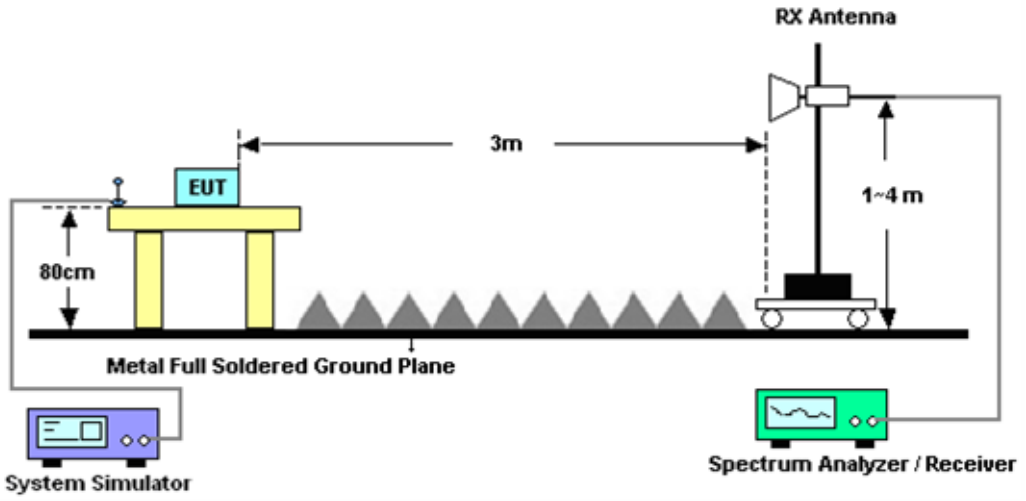
For radiated emissions below 30MHz



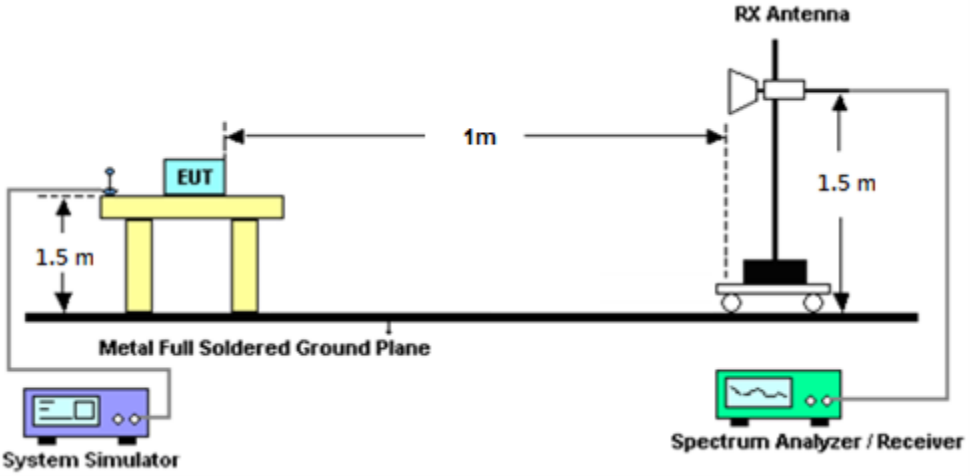
For radiated emissions from 30MHz to 1GHz



<For radiated emissions from 1 ~ 18GHz>



<For radiated emissions from 18 ~ 40GHz>



4.3 Test Result of Radiated Test

Please refer to Appendix B.

Note:

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least -40dBm / MHz .

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.4.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI / TIA-603-E Section 2.2.12.

1. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
5. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
   Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
   EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
   ERP (dBm) = EIRP - 2.15
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
   The limit line is −40dBm/MHz
9. The EUT antenna is termincated by 50Ohm, a representative external antenna is listed in report for reference

5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	Rohde & Schwarz	FSV40	101909	10Hz~40GHz	May 19, 2020	Oct. 17, 2020 ~ Dec. 11, 2020	May 18, 2021	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	SPS-606	GES842931	0V~60V 0A~6A	Aug. 19, 2020	Oct. 17, 2020 ~ Dec. 11, 2020	Aug. 18, 2021	Conducted (TH05-HY)
Coupler	Warison	20dB 25W SMA Directional Coupler	#B	1-18GHz	Jan. 11, 2020	Oct. 17, 2020 ~ Dec. 11, 2020	Jan. 10, 2021	Conducted (TH05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Dec. 26, 2019	Oct. 27, 2020 ~ Nov. 18, 2020	Dec. 25, 2020	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	40103 & 07	30MHz~1GHz	Apr. 29, 2020	Oct. 27, 2020 ~ Nov. 18, 2020	Apr. 28, 2021	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1212	1GHz~18GHz	May 20, 2020	Oct. 27, 2020 ~ Nov. 18, 2020	May 19, 2020	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1241	1GHz ~ 18GHz	Jul. 15. 2020	Oct. 27, 2020 ~ Nov. 18, 2020	Jul. 14. 2021	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz~40GHz	Dec. 10, 2019	Oct. 27, 2020 ~ Nov. 18, 2020	Dec. 09, 2020	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170980	18GHz ~ 40GHz	Jan. 10, 2020	Oct. 27, 2020 ~ Nov. 18, 2020	Jan. 09, 2021	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 25, 2020	Oct. 27, 2020 ~ Nov. 18, 2020	Mar. 24, 2021	Radiation (03CH12-HY)
Preamplifier	Keysight	83017A	MY57280120	1GHz~26.5GHz	Jul. 20, 2020	Oct. 27, 2020 ~ Nov. 18, 2020	Jul. 19, 2021	Radiation (03CH12-HY)
Preamplifier	Jet-Power	JPA0118-55-303K	1710001800054002	1GHz~18GHz	Feb. 07, 2020	Oct. 27, 2020 ~ Nov. 18, 2020	Feb. 06, 2021	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 13, 2019	Oct. 27, 2020 ~ Nov. 18, 2020	Dec. 12, 2020	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY54200485	10Hz~44GHz	Feb. 10, 2020	Oct. 27, 2020 ~ Nov. 18, 2020	Feb. 09, 2021	Radiation (03CH12-HY)
Signal Generator	Anritsu	MG3694C	163401	0.1Hz~40GHz	Feb. 15, 2020	Oct. 27, 2020 ~ Nov. 18, 2020	Feb. 14, 2021	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 12, 2020	Oct. 27, 2020 ~ Nov. 18, 2020	Mar. 11, 2021	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 12, 2019	Oct. 27, 2020 ~ Nov. 18, 2020	Dec. 11, 2020	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Feb. 25, 2020	Oct. 27, 2020 ~ Nov. 18, 2020	Feb. 24, 2021	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz~40GHz	Feb. 25, 2020	Oct. 27, 2020 ~ Nov. 18, 2020	Feb. 24, 2021	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP140349	N/A	Oct. 02, 2020	Oct. 27, 2020 ~ Nov. 18, 2020	Oct. 01, 2021	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Oct. 27, 2020 ~ Nov. 18, 2020	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Oct. 27, 2020 ~ Nov. 18, 2020	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Oct. 27, 2020 ~ Nov. 18, 2020	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Oct. 27, 2020 ~ Nov. 18, 2020	N/A	Radiation (03CH12-HY)

6 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.07**

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.21**

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.80**

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power)

<MIMO 4TX Port 1>

LTE Band 48 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	100	0	QPSK	22.74	23.90	21.65
20	100	0	16-QAM	22.10	**23.96**	20.95
20	100	0	64-QAM	22.77	**23.96**	21.97

LTE Band 48 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	50	0	QPSK	23.42	23.66	23.94
10	50	0	16-QAM	23.80	23.74	23.94
10	50	0	64-QAM	23.93	23.79	23.94

<MIMO 4TX Port 2>

LTE Band 48 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	100	0	QPSK	23.37	23.38	22.70
20	100	0	16-QAM	23.24	23.48	22.32
20	100	0	64-QAM	23.16	23.58	22.73

LTE Band 48 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	50	0	QPSK	23.93	23.90	23.76
10	50	0	16-QAM	23.87	**23.95**	23.70
10	50	0	64-QAM	23.68	23.85	23.71

<MIMO 4TX Port 3>

LTE Band 48 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	100	0	QPSK	22.39	23.92	21.49
20	100	0	16-QAM	21.75	23.88	21.23
20	100	0	64-QAM	22.60	23.92	21.50

LTE Band 48 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	50	0	QPSK	23.98	23.81	22.50
10	50	0	16-QAM	23.97	**23.99**	22.36
10	50	0	64-QAM	23.95	23.96	23.93

<MIMO 4TX Port 4>

LTE Band 48 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	100	0	QPSK	22.71	23.84	22.29
20	100	0	16-QAM	21.63	23.91	22.17
20	100	0	64-QAM	22.67	23.95	21.86

LTE Band 48 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	50	0	QPSK	23.84	23.80	**23.96**
10	50	0	16-QAM	23.81	23.92	23.78
10	50	0	64-QAM	23.95	23.89	23.79

<MIMO 4TX Port combine>

LTE Band 48 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	100	0	QPSK	28.84	29.79	28.08
20	100	0	16-QAM	28.25	29.83	27.73
20	100	0	64-QAM	28.83	29.88	28.06

LTE Band 48 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	50	0	QPSK	29.90	29.81	29.60
10	50	0	16-QAM	29.88	**29.92**	29.51
10	50	0	64-QAM	29.90	29.89	29.86

<MIMO 2TX Port 1&3>

LTE Band 48C_CA Maximum Average Power [dBm]								
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest
	RB Size	RB Offset	RB Size	RB Offset				
20+20	100	0	100	0	QPSK	26.26	**26.87**	26.59
20+20	100	0	100	0	16-QAM	25.37	26.36	26.40
20+20	100	0	100	0	64-QAM	25.43	26.34	26.47

<MIMO 2TX Port 1&4>

LTE Band 48C_CA Maximum Average Power [dBm]								
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest
	RB Size	RB Offset	RB Size	RB Offset				
20+20	100	0	100	0	QPSK	25.44	26.39	26.14
20+20	100	0	100	0	16-QAM	**26.46**	26.39	26.39
20+20	100	0	100	0	64-QAM	25.42	26.37	26.20

<MIMO 2TX Port 2&3>

LTE Band 48C_CA Maximum Average Power [dBm]								
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest
	RB Size	RB Offset	RB Size	RB Offset				
20+20	100	0	100	0	QPSK	26.13	26.17	26.07
20+20	100	0	100	0	16-QAM	26.13	26.25	26.17
20+20	100	0	100	0	64-QAM	26.18	26.24	**26.36**

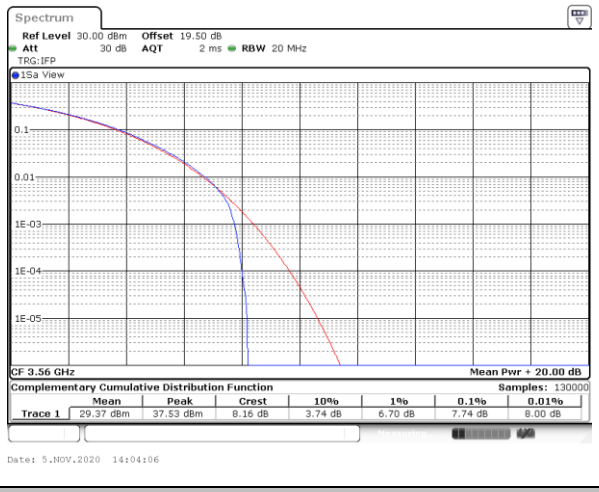
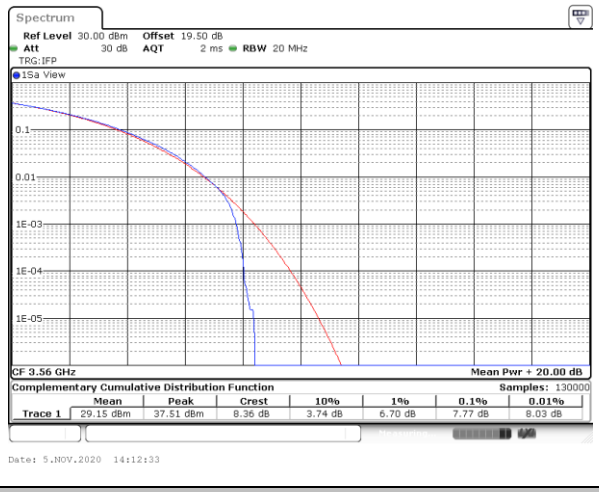
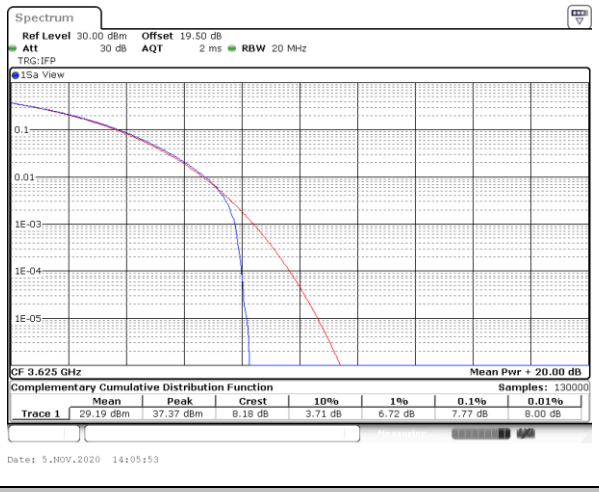
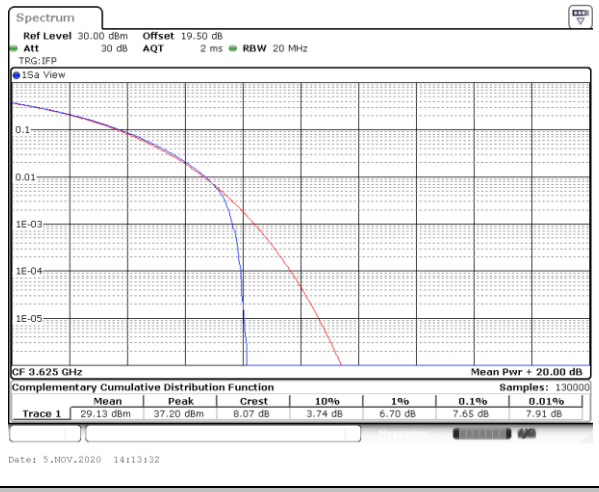
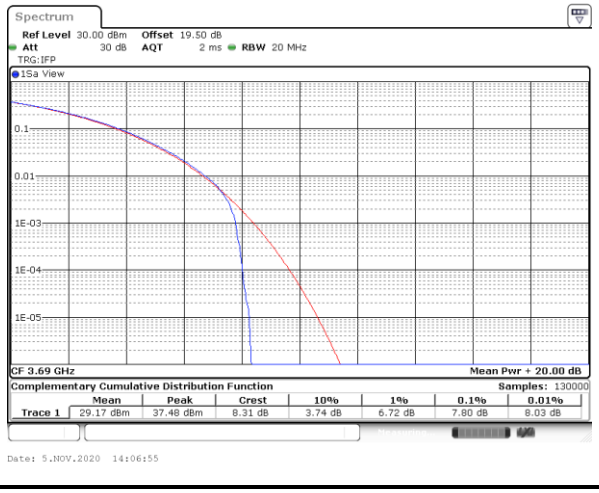
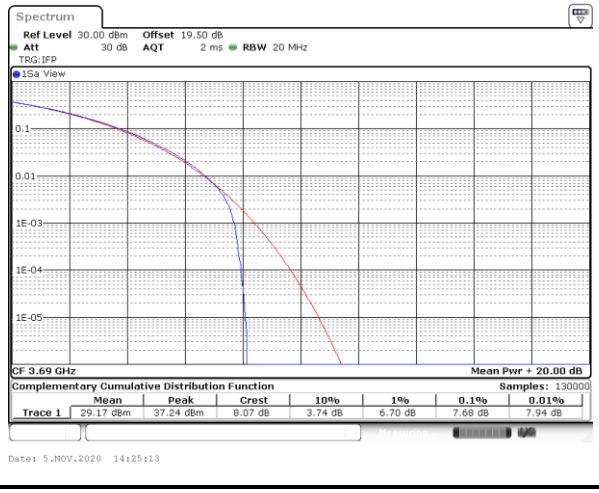
<MIMO 2TX Port 2&4>

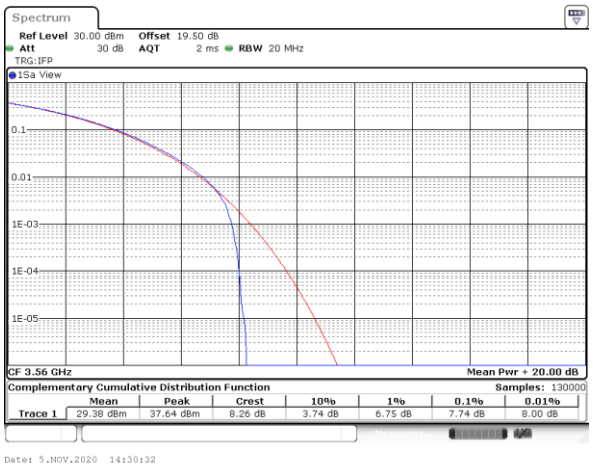
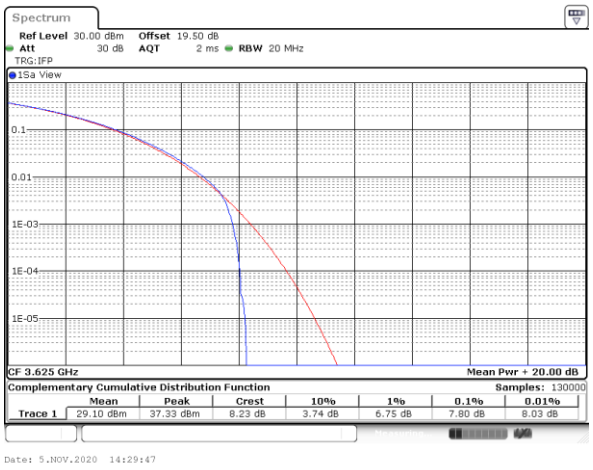
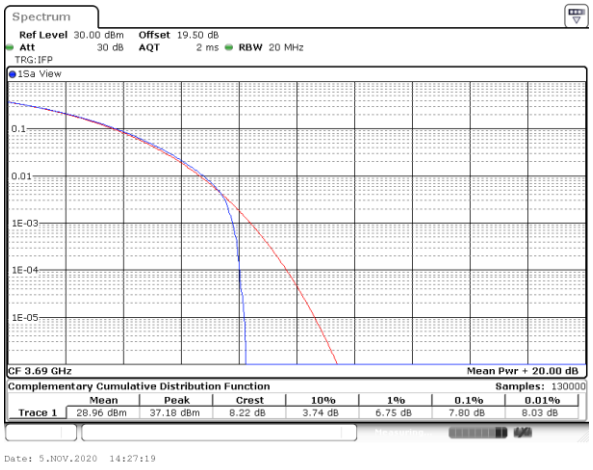
LTE Band 48C_CA Maximum Average Power [dBm]								
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest
	RB Size	RB Offset	RB Size	RB Offset				
20+20	100	0	100	0	QPSK	26.28	26.40	26.17
20+20	100	0	100	0	16-QAM	26.15	26.36	26.17
20+20	100	0	100	0	64-QAM	26.45	26.49	26.11

LTE Band 48 <MIMO 4TX Port 1>

Peak-to-Average Ratio

Mode	LTE Band 48 / 20MHz				Limit: 13dB
Mod.	QPSK		16QAM		
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	N/A	7.74	N/A	7.77	PASS
Middle CH	N/A	7.77	N/A	7.65	
Highest CH	N/A	7.80	N/A	7.68	
Mode	LTE Band 48 / 20MHz				Limit: 13dB
Mod.	64QAM		-		
RB Size	1RB	Full RB	-	-	Result
Lowest CH	N/A	7.74	-	-	PASS
Middle CH	N/A	7.80	-	-	
Highest CH	N/A	7.80	-	-	

LTE Band 48 / 20MHz / QPSK	LTE Band 48 / 20MHz / 16QAM
Lowest Channel / Full RB	**Lowest Channel / Full RB**
	
Middle Channel / Full RB	**Middle Channel / Full RB**
	
Highest Channel / Full RB	**Highest Channel / Full RB**
	

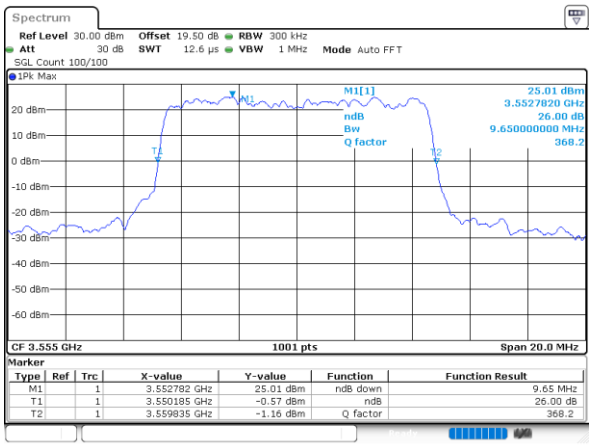
LTE Band 48 / 20MHz / 64QAM	
Lowest Channel / Full RB	**N/A**
	
Middle Channel / Full RB	**N/A**
	
Highest Channel / Full RB	**N/A**
	

26dB Bandwidth

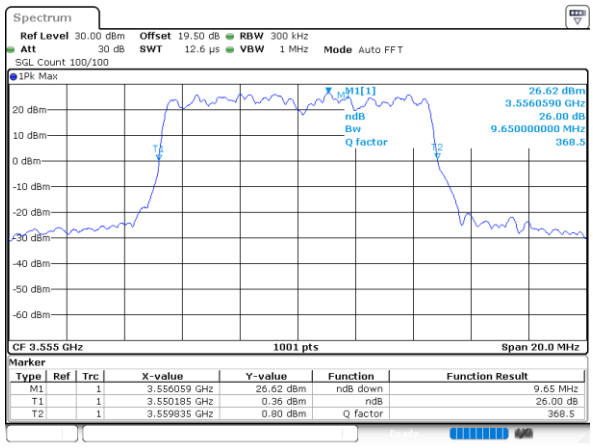
Mode	LTE Band 48 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-			9.65	9.65			18.74	18.82
Middle CH	-	-	-	-			9.75	9.65			18.98	18.90
Highest CH	-	-	-	-			9.83	9.69			18.74	18.86
Mode	LTE Band 48 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-		-	9.81	-		-	18.74	-
Middle CH	-	-	-	-		-	9.71	-		-	18.98	-
Highest CH	-	-	-	-		-	9.63	-		-	18.86	-

LTE Band 48

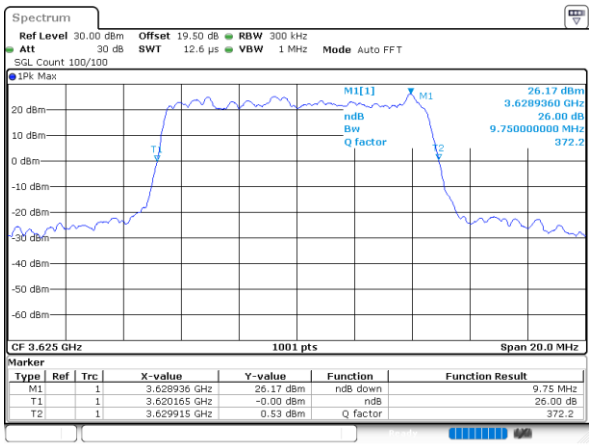
Lowest Channel / 10MHz / QPSK



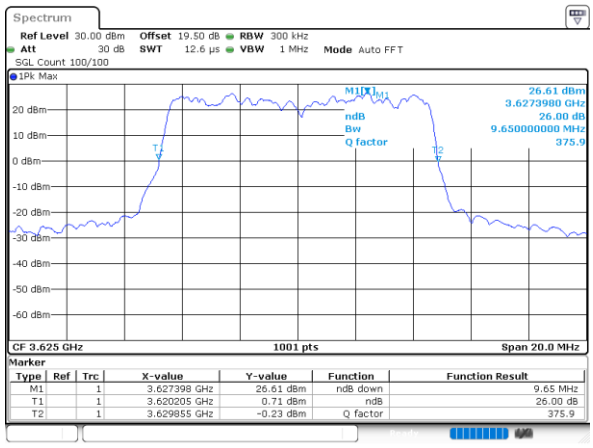
Lowest Channel / 10MHz / 16QAM



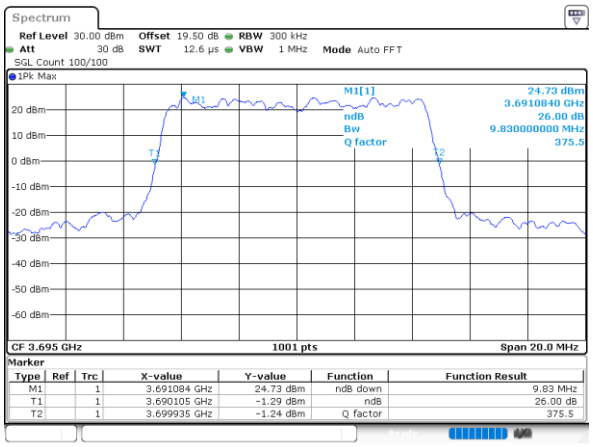
Middle Channel / 10MHz / QPSK



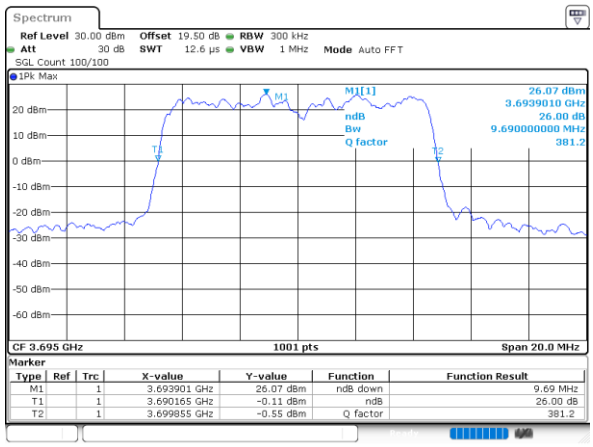
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

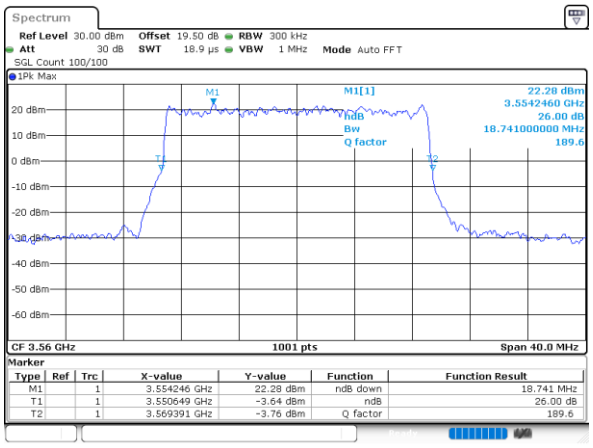


Highest Channel / 10MHz / 16QAM

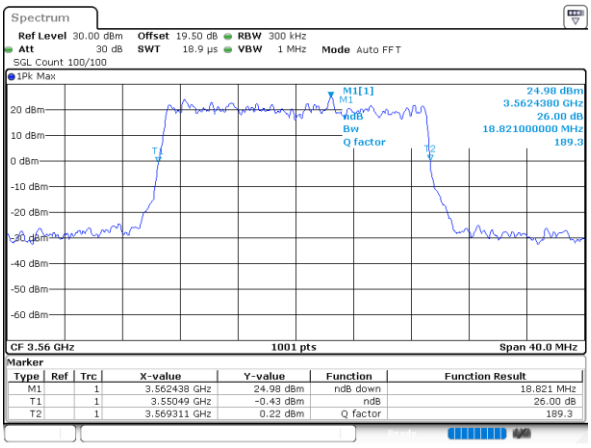


LTE Band 48

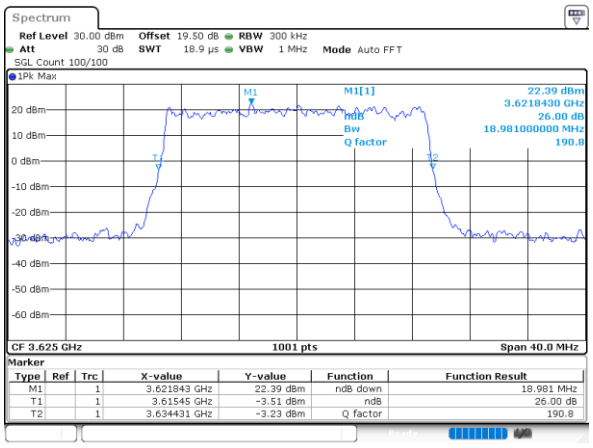
Lowest Channel / 20MHz / QPSK



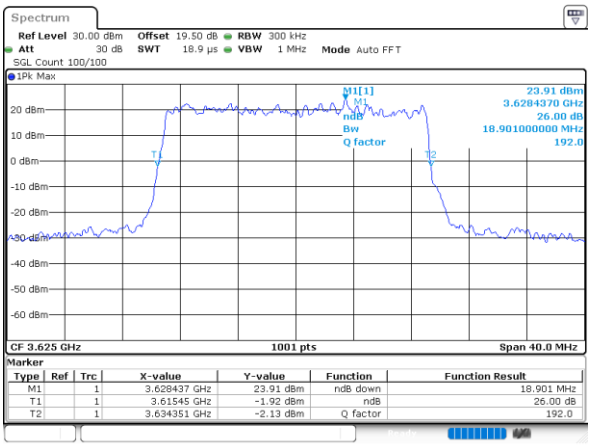
Lowest Channel / 20MHz / 16QAM



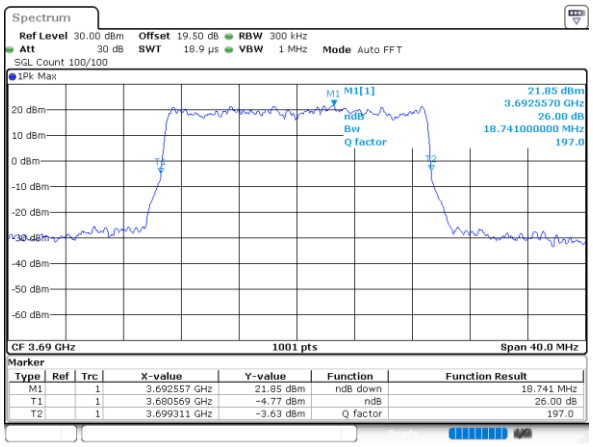
Middle Channel / 20MHz / QPSK



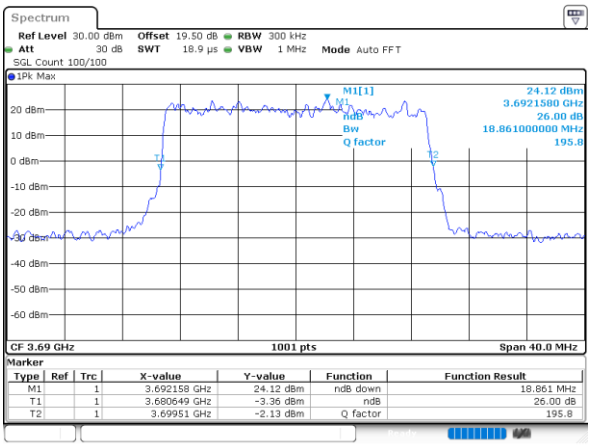
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

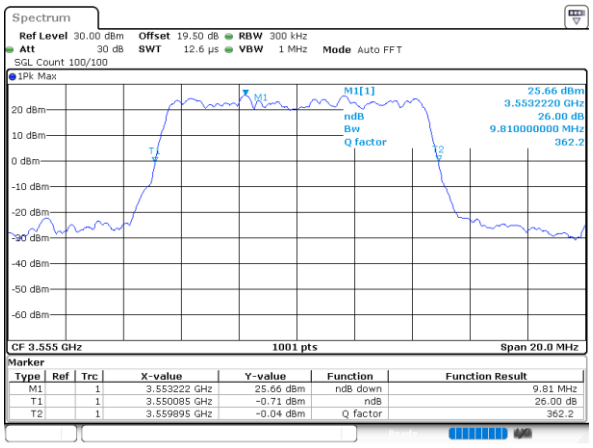


Highest Channel / 20MHz / 16QAM

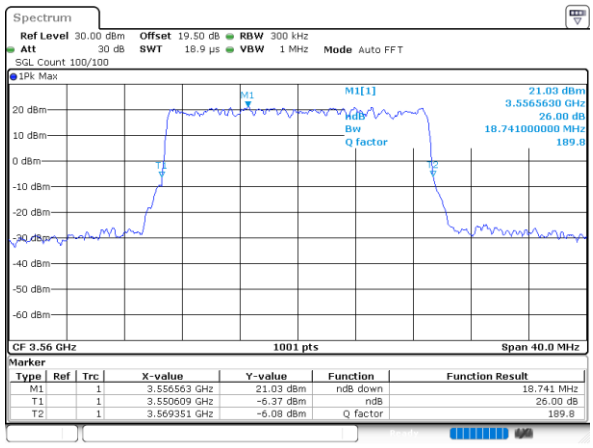


LTE Band 48

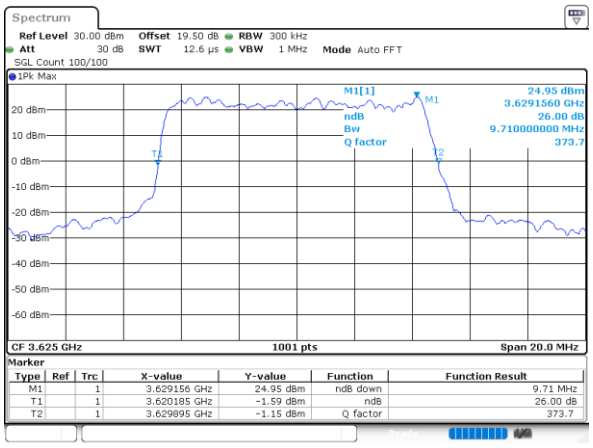
Lowest Channel / 10MHz / 64QAM



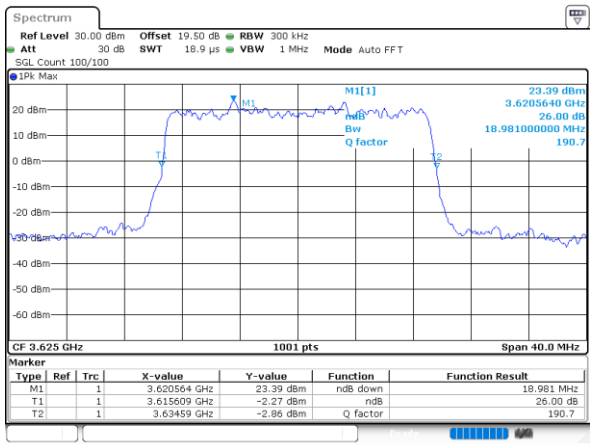
Lowest Channel / 20MHz / 64QAM



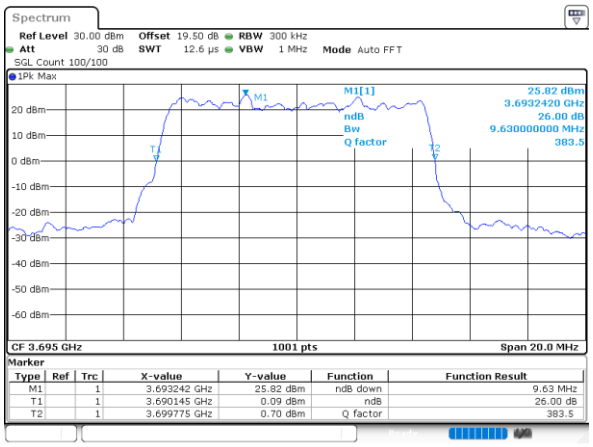
Middle Channel / 10MHz / 64QAM



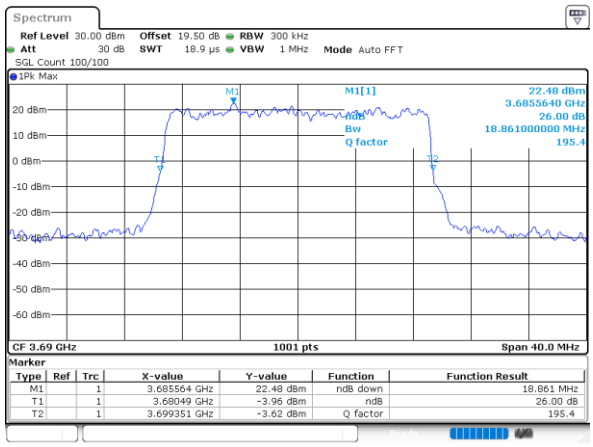
Middle Channel / 20MHz / 64QAM



Highest Channel / 10MHz / 64QAM



Highest Channel / 20MHz / 64QAM

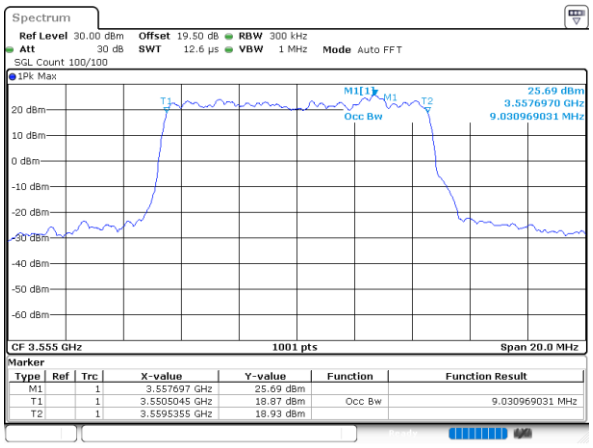


Occupied Bandwidth

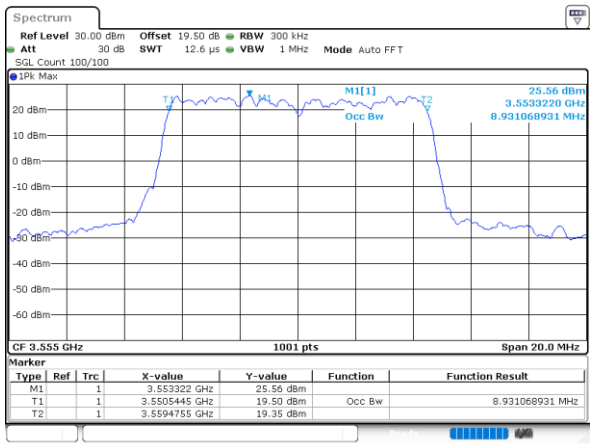
Mode	LTE Band 48 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	-	-	9.03	8.93	-	-	17.90	17.94
Middle CH	-	-	-	-	-	-	9.03	8.99	-	-	17.94	17.94
Highest CH	-	-	-	-	-	-	9.01	8.97	-	-	17.94	17.90
Mode	LTE Band 48 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Lowest CH	-	-	-	-	-	-	9.01	-	-	-	17.98	-
Middle CH	-	-	-	-	-	-	8.95	-	-	-	17.90	-
Highest CH	-	-	-	-	-	-	8.95	-	-	-	17.86	-

LTE Band 48

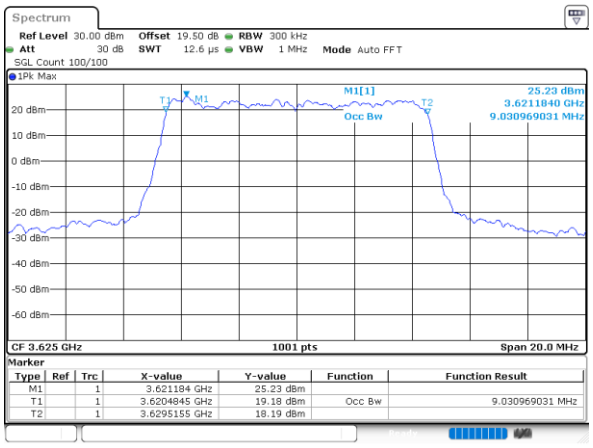
Lowest Channel / 10MHz / QPSK



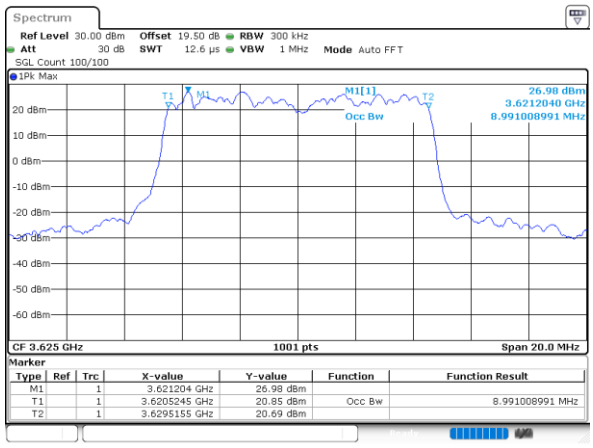
Lowest Channel / 10MHz / 16QAM



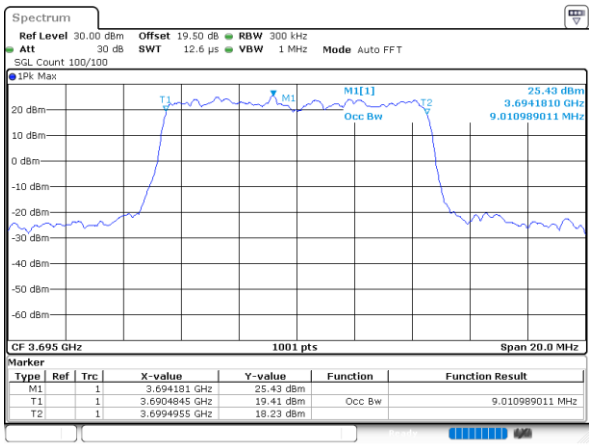
Middle Channel / 10MHz / QPSK



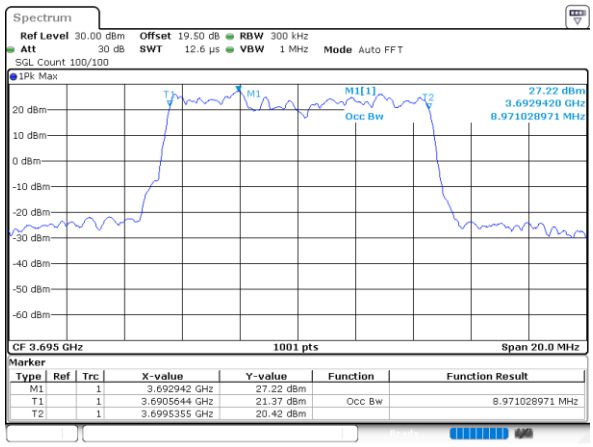
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

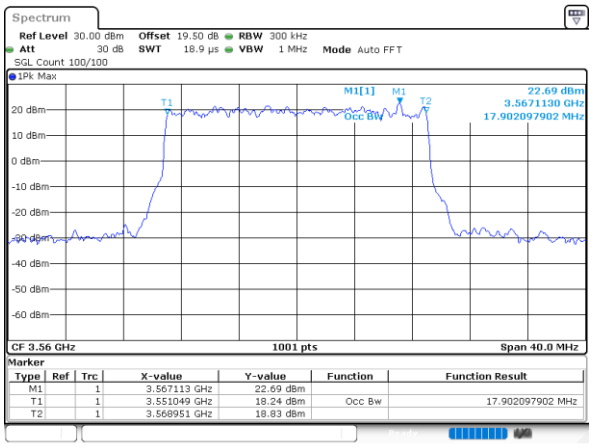


Highest Channel / 10MHz / 16QAM

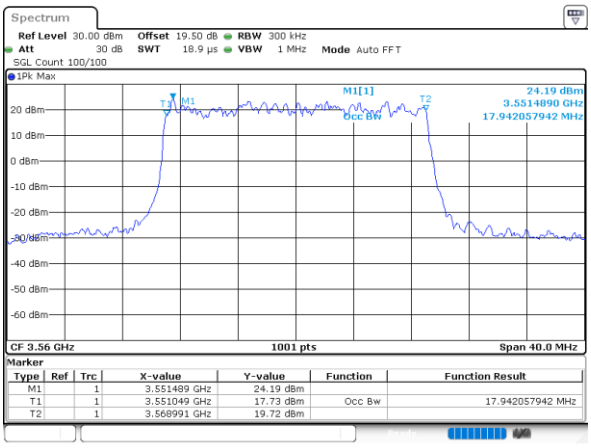


LTE Band 48

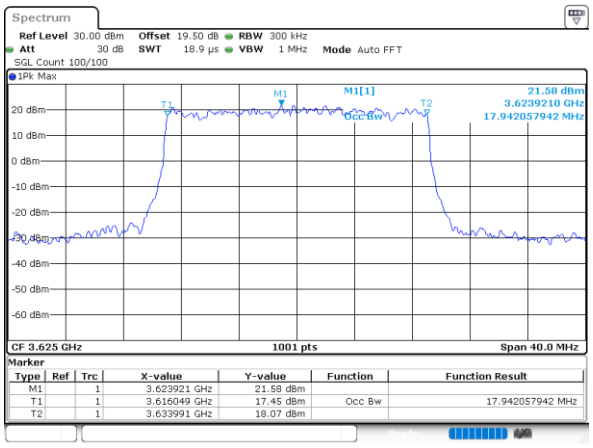
Lowest Channel / 20MHz / QPSK



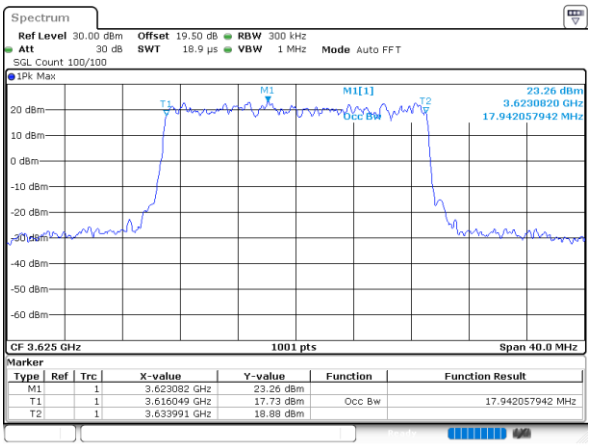
Lowest Channel / 20MHz / 16QAM



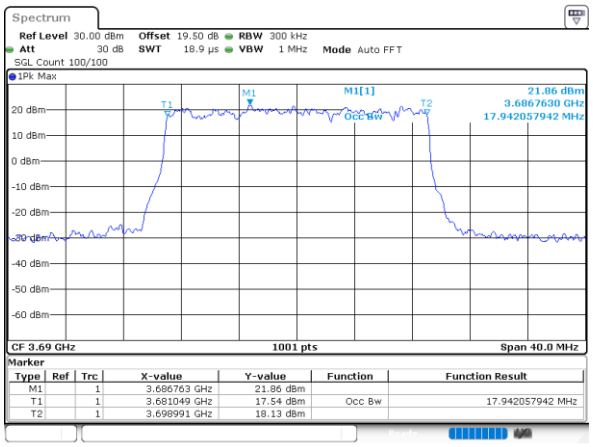
Middle Channel / 20MHz / QPSK



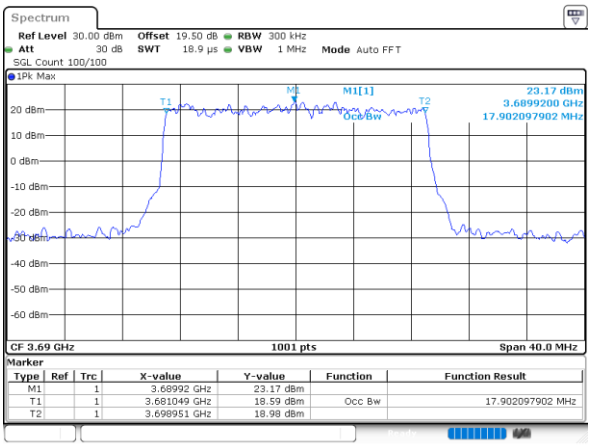
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

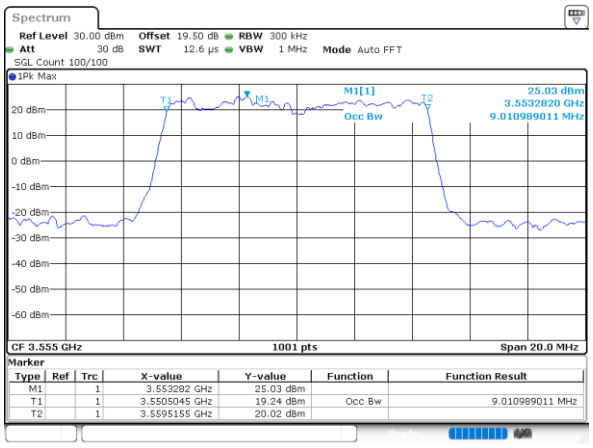


Highest Channel / 20MHz / 16QAM

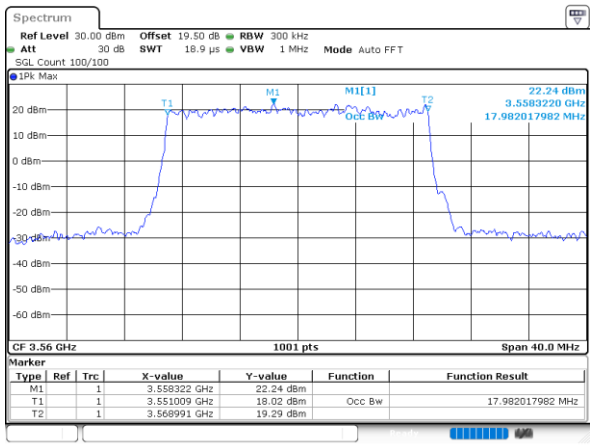


LTE Band 48

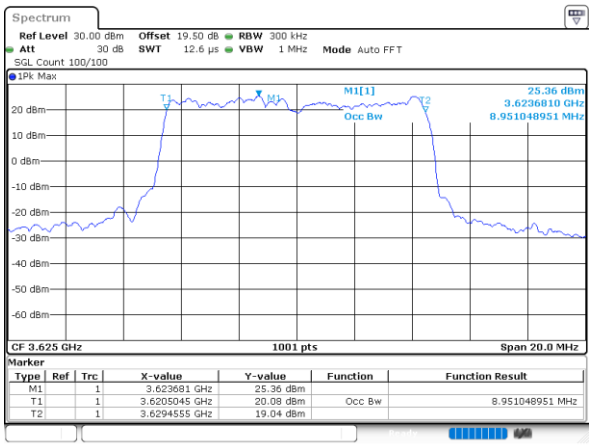
Lowest Channel / 10MHz / 64QAM



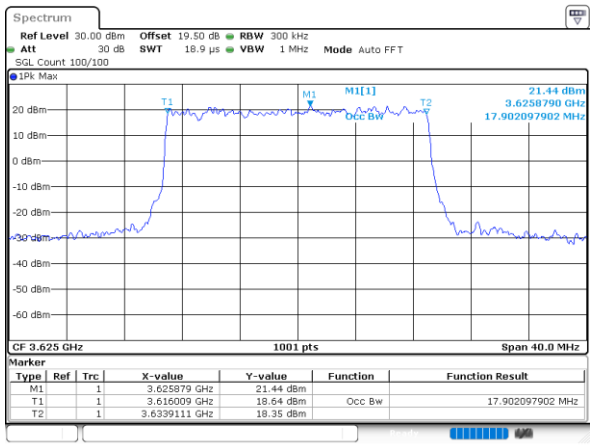
Lowest Channel / 20MHz / 64QAM



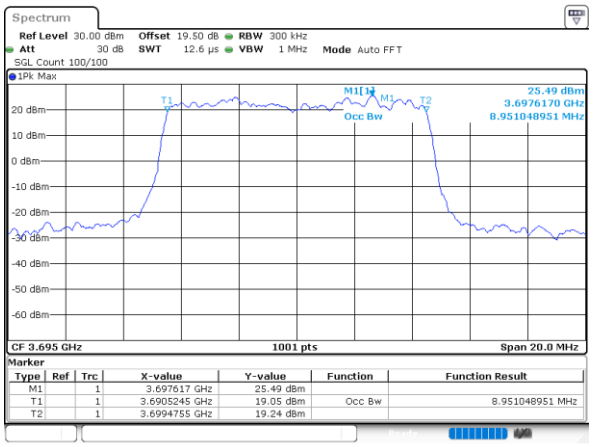
Middle Channel / 10MHz / 64QAM



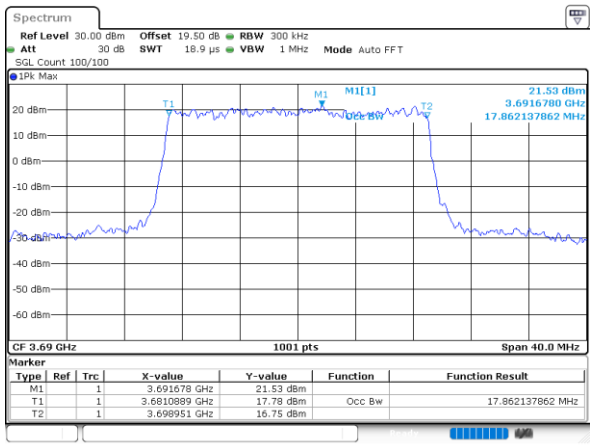
Middle Channel / 20MHz / 64QAM



Highest Channel / 10MHz / 64QAM



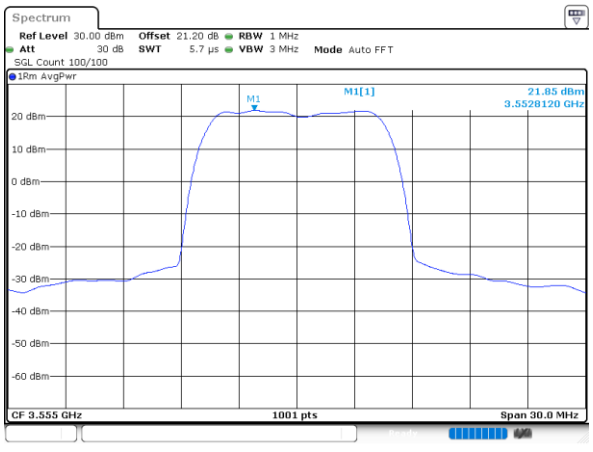
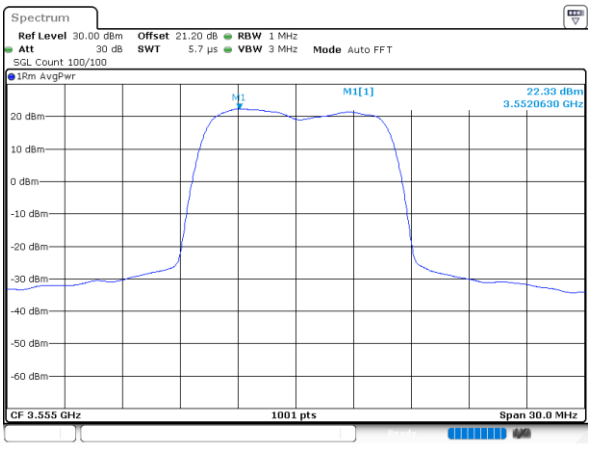
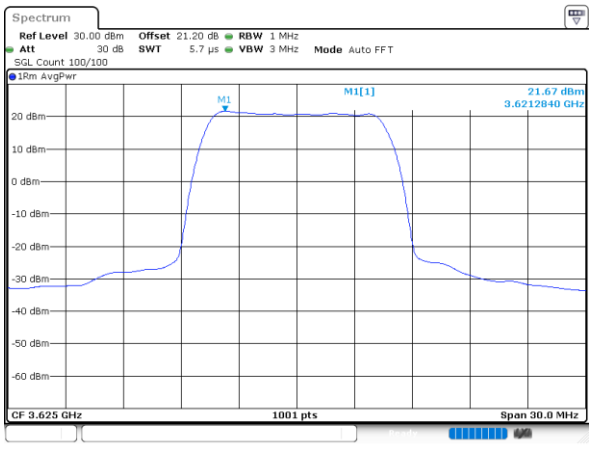
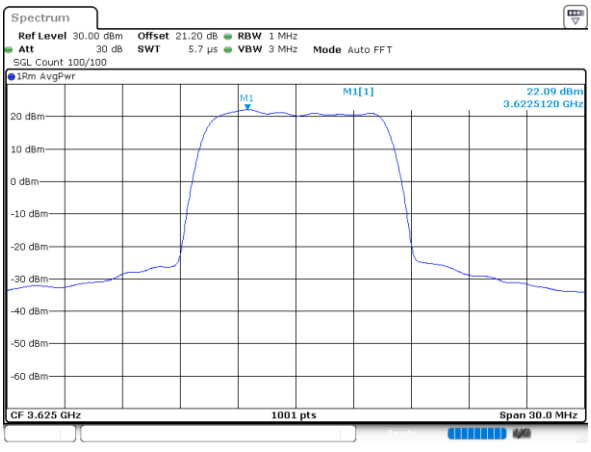
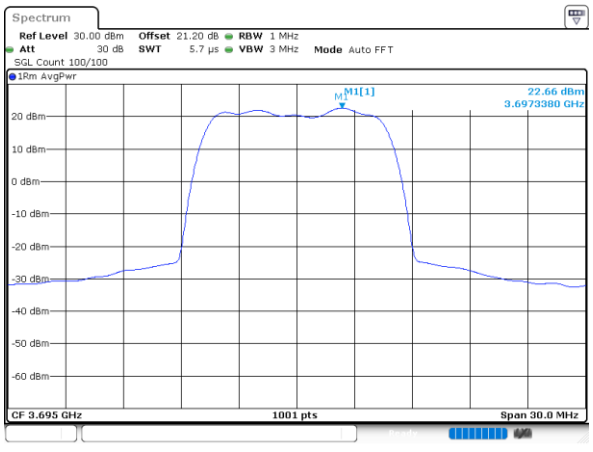
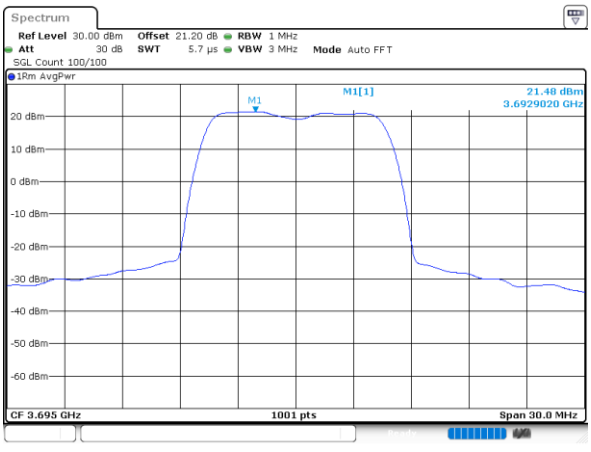
Highest Channel / 20MHz / 64QAM

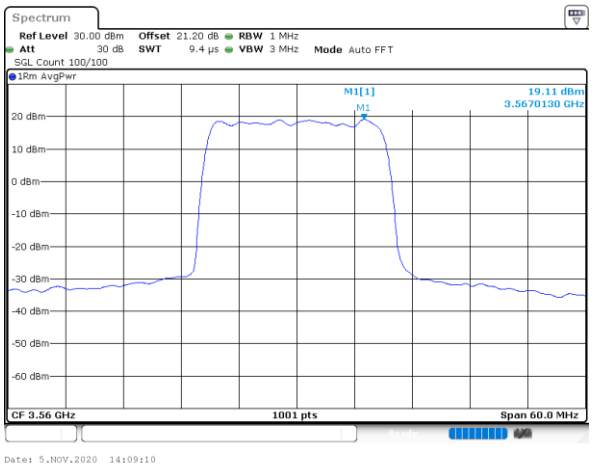
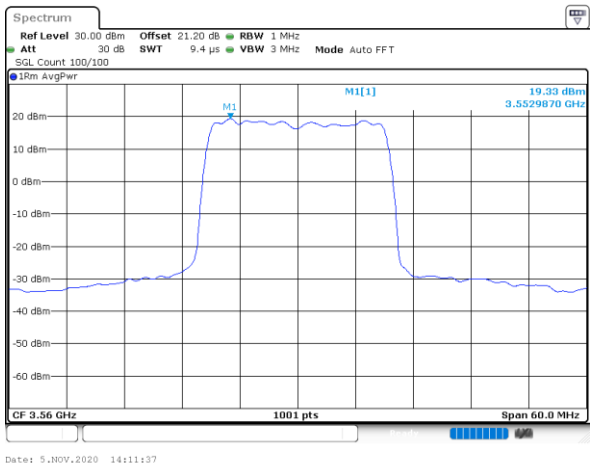
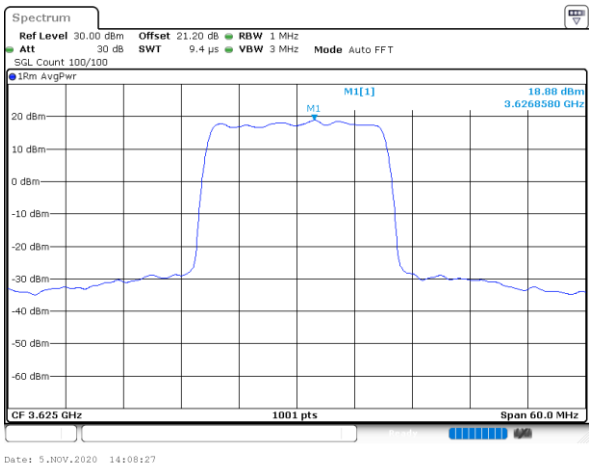
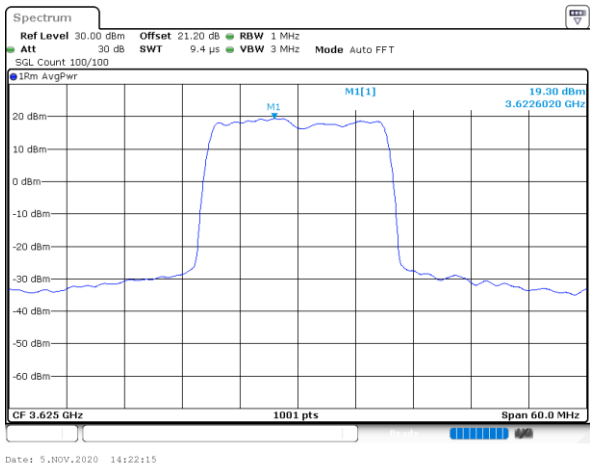
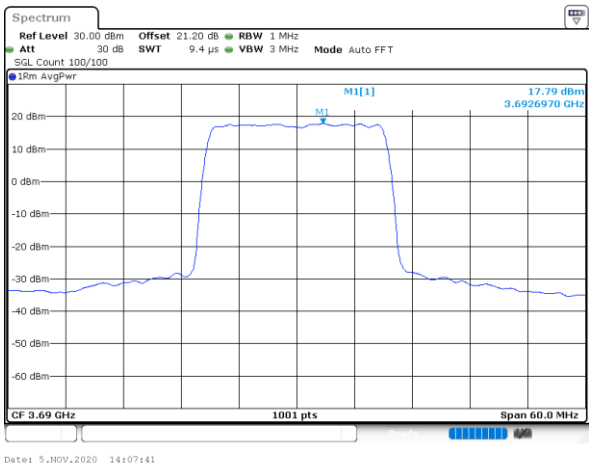
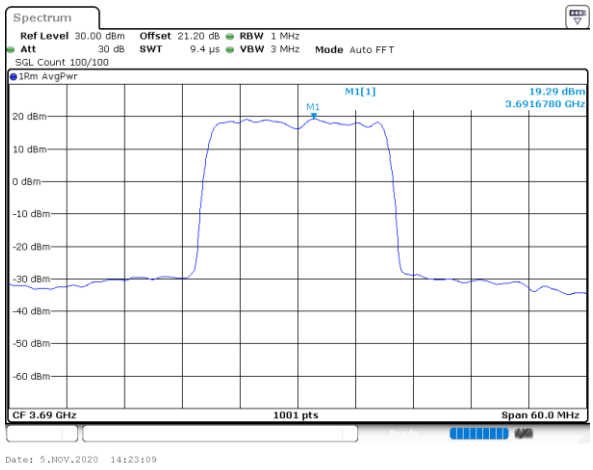


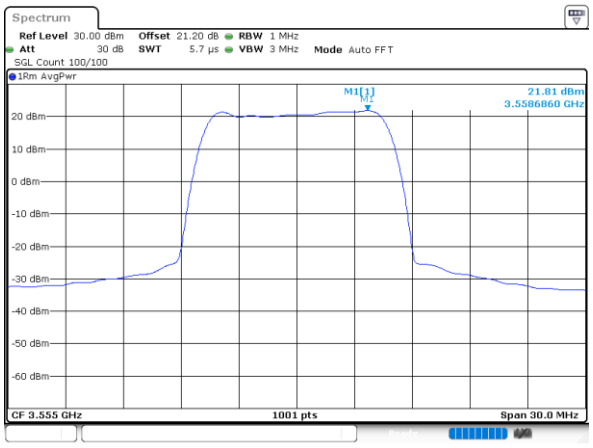
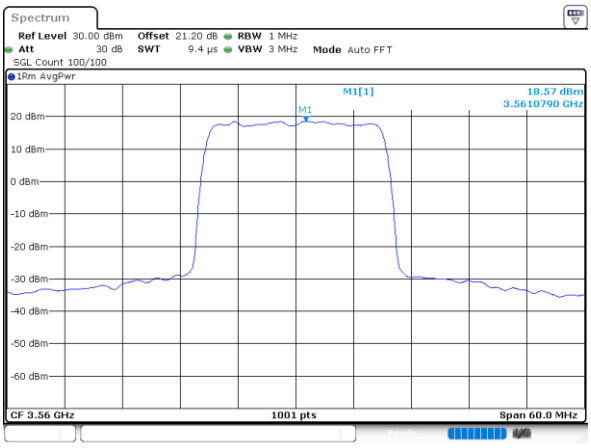
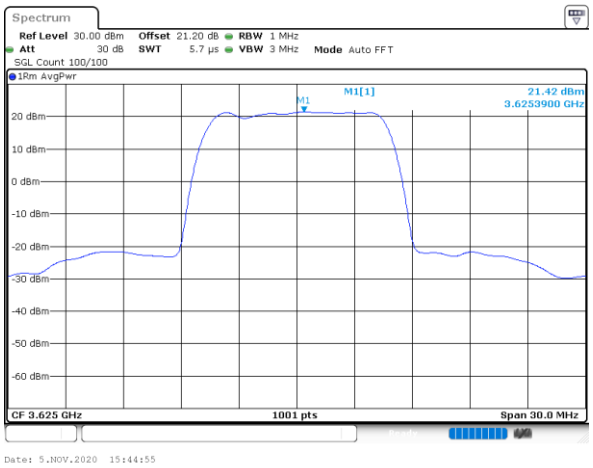
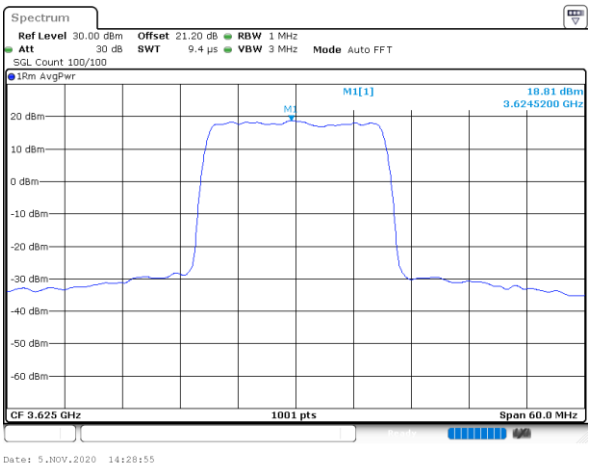
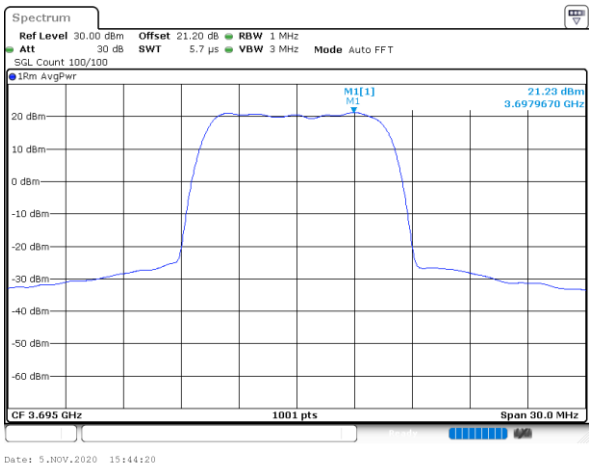
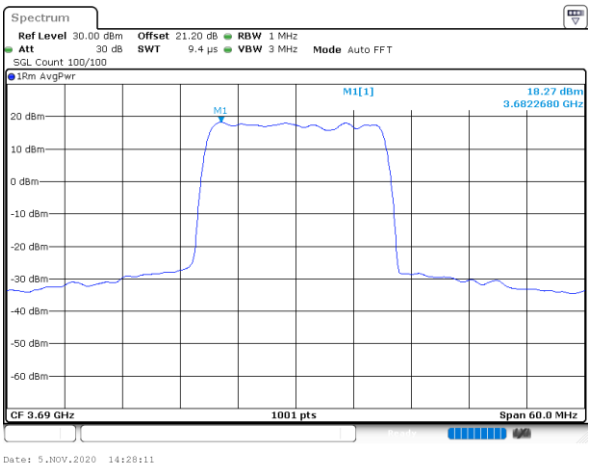
Power Density

Mode	LTE Band 48 : Conducted Power Density (dBm/MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	-	-	21.85	22.33	-	-	19.11	19.33
Middle CH	-	-	-	-	-	-	21.67	22.09	-	-	18.88	19.30
Highest CH	-	-	-	-	-	-	22.66	21.48	-	-	17.79	19.29
Mode	LTE Band 48 : Conducted Power Density (dBm/MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Lowest CH	-	-	-	-	-	-	21.81	-	-	-	18.57	-
Middle CH	-	-	-	-	-	-	21.42	-	-	-	18.81	-
Highest CH	-	-	-	-	-	-	21.23	-	-	-	18.27	-

Mode	LTE Band 48 : EIRP Power Density (dBm/MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-			35.05	35.53			32.31	32.53
Middle CH	-	-	-	-			34.87	35.29			32.08	32.5
Highest CH	-	-	-	-			35.86	34.68			30.99	32.49
Mode	LTE Band 48 : EIRP Power Density (dBm/MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Lowest CH	-	-	-	-		-	35.01	-		-	31.77	-
Middle CH	-	-	-	-		-	34.62	-		-	32.01	-
Highest CH	-	-	-	-		-	34.43	-		-	31.47	-
Antenna Gain	13.2 dBi											
Limit	37dBm / MHz											
Result	Pass											

LTE Band 48 / 10MHz	
Lowest Channel / 10MHz / Full / QPSK	**Lowest Channel / 10MHz / Full / 16QAM**
	
Middle Channel / 10MHz / Full / QPSK	**Middle Channel / 10MHz / Full / 16QAM**
	
Highest Channel / 10MHz / Full / QPSK	**Highest Channel / 10MHz / Full / 16QAM**
	

LTE Band 48 / 20MHz	
Lowest Channel / 20MHz / Full / QPSK	**Lowest Channel / 20MHz / Full / 16QAM**
	
Middle Channel / 20MHz / Full / QPSK	**Middle Channel / 20MHz / Full / 16QAM**
	
Highest Channel / 20MHz / Full / QPSK	**Highest Channel / 20MHz / Full / 16QAM**
	

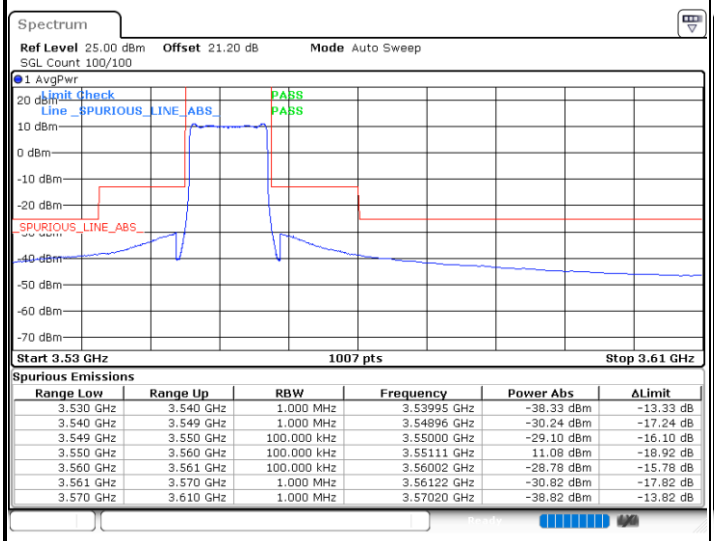
LTE Band 48 / 10MHz	LTE Band 48 / 20MHz
Lowest Channel / 10MHz / Full / 64QAM	**Lowest Channel / 20MHz / Full / 64QAM**
	
Middle Channel / 10MHz / Full / 64QAM	**Middle Channel / 20MHz / Full / 64QAM**
	
Highest Channel / 10MHz / Full / 64QAM	**Highest Channel / 20MHz / Full / 64QAM**
	

Conducted Band Edge

LTE Band 48 / 10MHz

QPSK

Lowest Channel / FullRB

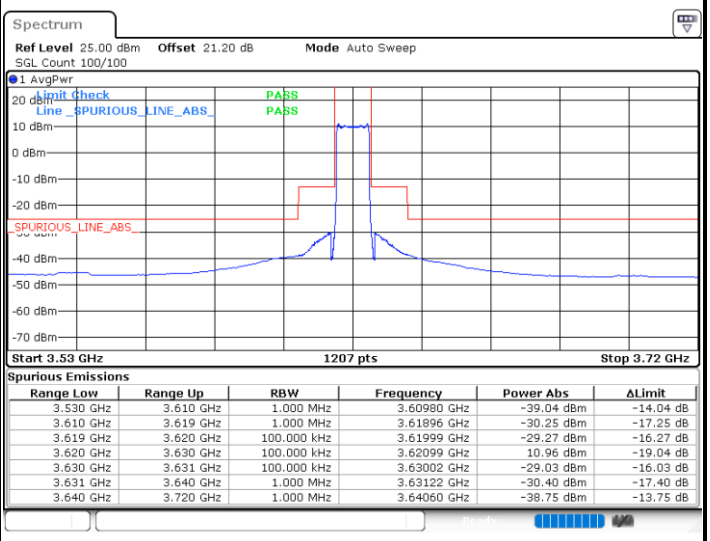


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.540 GHz	1.000 MHz	3.53995 GHz	-38.33 dBm	-13.33 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54896 GHz	-30.24 dBm	-17.24 dB
3.549 GHz	3.550 GHz	100.000 kHz	3.55000 GHz	-29.10 dBm	-16.10 dB
3.550 GHz	3.560 GHz	100.000 kHz	3.55111 GHz	11.08 dBm	-18.92 dB
3.560 GHz	3.561 GHz	100.000 kHz	3.56002 GHz	-28.78 dBm	-15.78 dB
3.561 GHz	3.570 GHz	1.000 MHz	3.56122 GHz	-30.82 dBm	-17.82 dB
3.570 GHz	3.610 GHz	1.000 MHz	3.57020 GHz	-38.82 dBm	-13.82 dB

Date: 28.OCT.2020 15:40:26

Middle Channel / FullRB

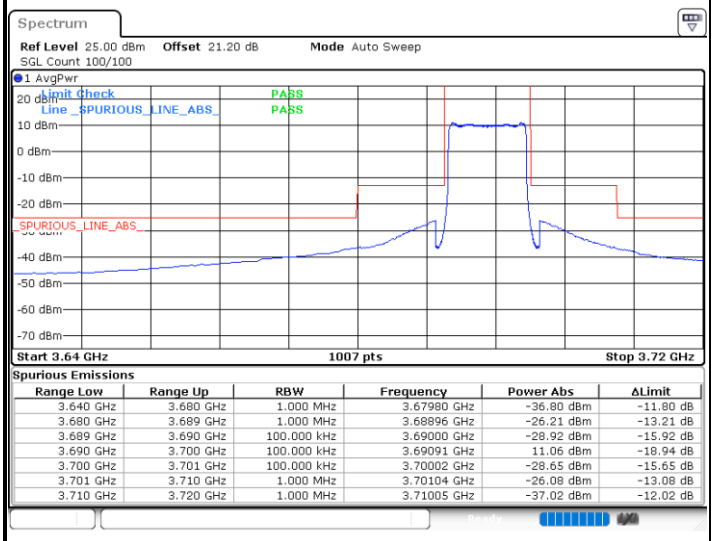


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.610 GHz	1.000 MHz	3.60980 GHz	-39.04 dBm	-14.04 dB
3.610 GHz	3.619 GHz	1.000 MHz	3.61896 GHz	-30.25 dBm	-17.25 dB
3.619 GHz	3.620 GHz	100.000 kHz	3.61999 GHz	-29.27 dBm	-16.27 dB
3.620 GHz	3.630 GHz	100.000 kHz	3.62099 GHz	10.96 dBm	-19.04 dB
3.630 GHz	3.631 GHz	100.000 kHz	3.63002 GHz	-29.03 dBm	-16.03 dB
3.631 GHz	3.640 GHz	1.000 MHz	3.63122 GHz	-30.40 dBm	-17.40 dB
3.640 GHz	3.720 GHz	1.000 MHz	3.64060 GHz	-38.75 dBm	-13.75 dB

Date: 28.OCT.2020 15:38:39

Highest Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.640 GHz	3.680 GHz	1.000 MHz	3.67980 GHz	-36.80 dBm	-11.80 dB
3.680 GHz	3.689 GHz	1.000 MHz	3.68896 GHz	-26.21 dBm	-13.21 dB
3.689 GHz	3.690 GHz	100.000 kHz	3.69000 GHz	-28.92 dBm	-15.92 dB
3.690 GHz	3.700 GHz	100.000 kHz	3.69091 GHz	11.06 dBm	-18.94 dB
3.700 GHz	3.701 GHz	100.000 kHz	3.70002 GHz	-28.65 dBm	-15.65 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70104 GHz	-26.08 dBm	-13.08 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71005 GHz	-37.02 dBm	-12.02 dB

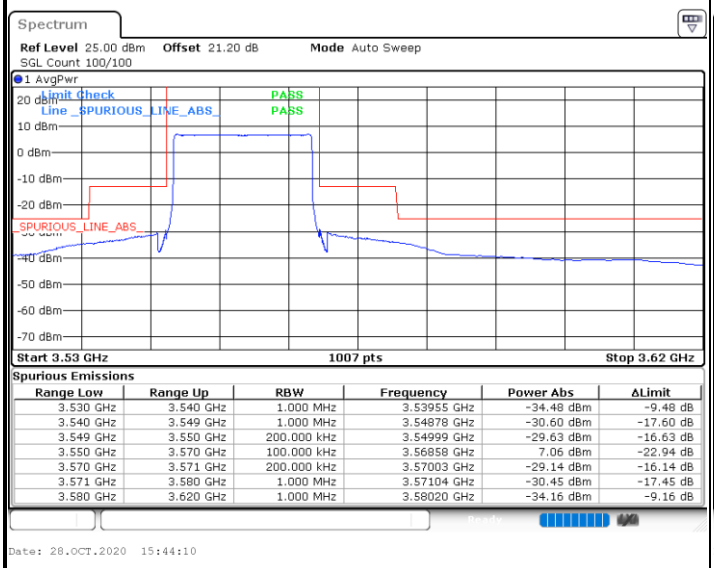
Date: 28.OCT.2020 15:37:21

N/A

LTE Band 48 / 20MHz

QPSK

Lowest Channel / FullRB

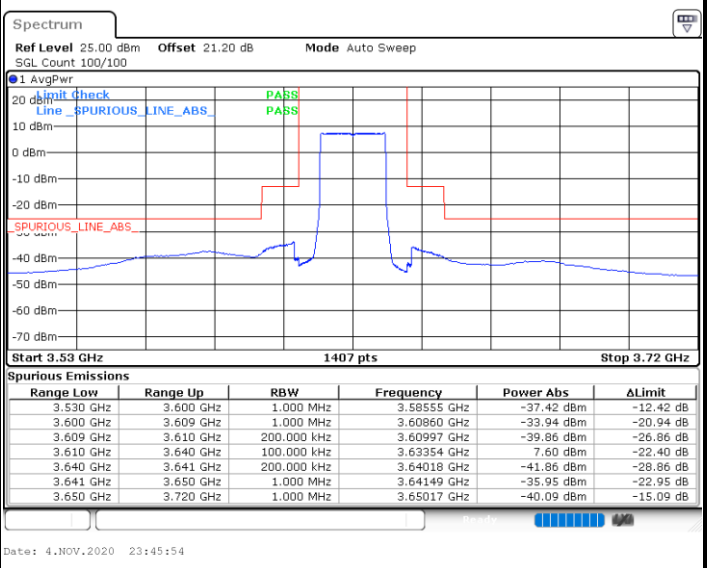


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.540 GHz	1.000 MHz	3.53955 GHz	-34.48 dBm	-9.48 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54878 GHz	-30.60 dBm	-17.60 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54999 GHz	-29.63 dBm	-16.63 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56858 GHz	7.06 dBm	-22.94 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57003 GHz	-29.14 dBm	-16.14 dB
3.571 GHz	3.580 GHz	1.000 MHz	3.57104 GHz	-30.45 dBm	-17.45 dB
3.580 GHz	3.620 GHz	1.000 MHz	3.58020 GHz	-34.16 dBm	-9.16 dB

Date: 28.OCT.2020 15:44:10

Middle Channel / FullRB

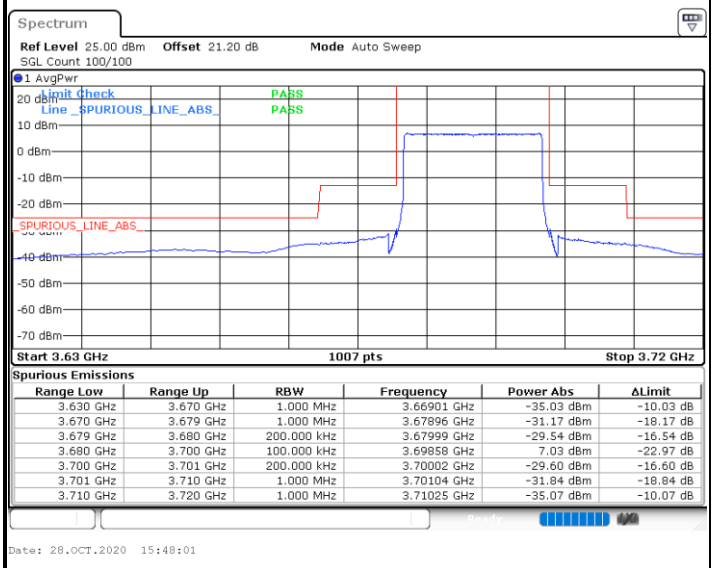


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.600 GHz	1.000 MHz	3.58555 GHz	-37.42 dBm	-12.42 dB
3.600 GHz	3.609 GHz	1.000 MHz	3.60860 GHz	-33.94 dBm	-20.94 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60997 GHz	-39.86 dBm	-26.86 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63354 GHz	7.60 dBm	-22.40 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64018 GHz	-41.86 dBm	-28.86 dB
3.641 GHz	3.650 GHz	1.000 MHz	3.64149 GHz	-35.95 dBm	-22.95 dB
3.650 GHz	3.720 GHz	1.000 MHz	3.65017 GHz	-40.09 dBm	-15.09 dB

Date: 4.NOV.2020 23:45:54

Highest Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.670 GHz	1.000 MHz	3.66901 GHz	-35.03 dBm	-10.03 dB
3.670 GHz	3.679 GHz	1.000 MHz	3.67896 GHz	-31.17 dBm	-18.17 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67999 GHz	-29.54 dBm	-16.54 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69858 GHz	7.03 dBm	-22.97 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70002 GHz	-29.60 dBm	-16.60 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70104 GHz	-31.84 dBm	-18.84 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71025 GHz	-35.07 dBm	-10.07 dB

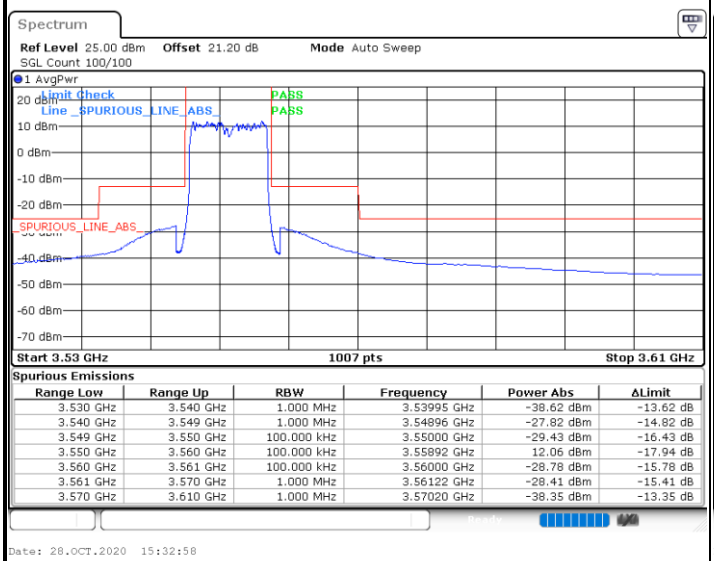
Date: 28.OCT.2020 15:48:01

N/A

LTE Band 48 / 10MHz

16QAM

Lowest Channel / FullRB

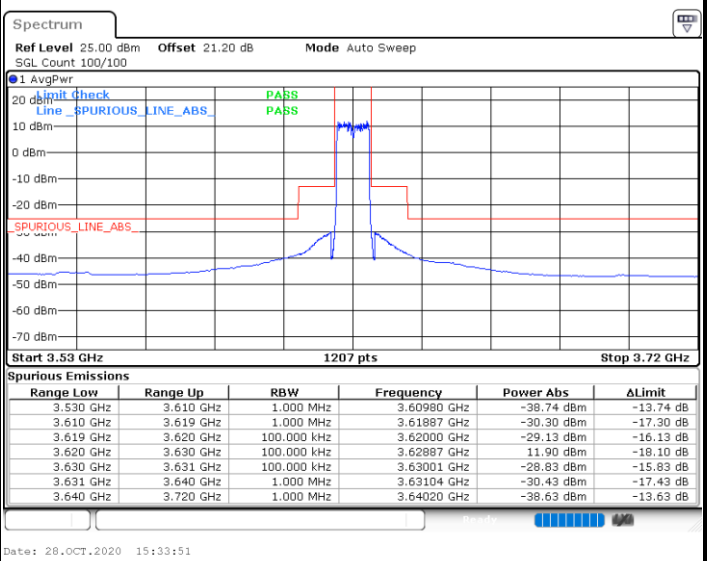


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.540 GHz	1.000 MHz	3.53995 GHz	-38.62 dBm	-13.62 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54896 GHz	-27.82 dBm	-14.82 dB
3.549 GHz	3.550 GHz	100.000 kHz	3.55000 GHz	-29.43 dBm	-16.43 dB
3.550 GHz	3.560 GHz	100.000 kHz	3.55892 GHz	12.06 dBm	-17.94 dB
3.560 GHz	3.561 GHz	100.000 kHz	3.56000 GHz	-28.78 dBm	-15.78 dB
3.561 GHz	3.570 GHz	1.000 MHz	3.56122 GHz	-28.41 dBm	-15.41 dB
3.570 GHz	3.610 GHz	1.000 MHz	3.57020 GHz	-38.35 dBm	-13.35 dB

Date: 28.OCT.2020 15:32:58

Middle Channel / FullRB

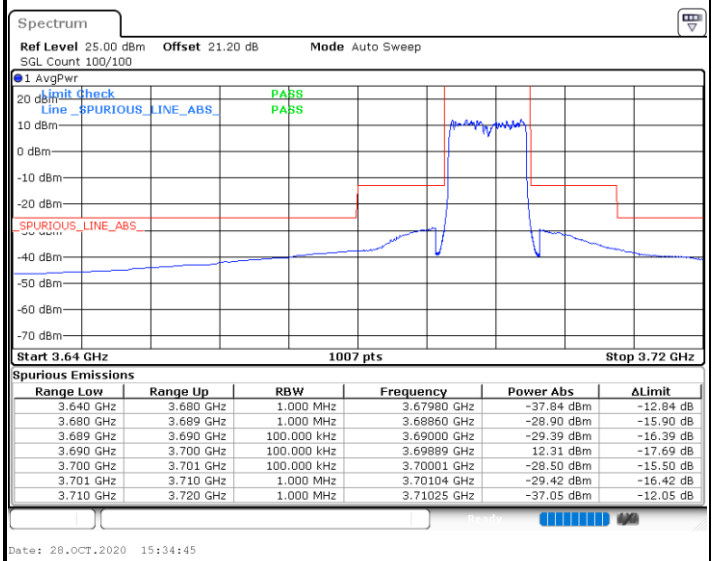


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.610 GHz	1.000 MHz	3.60980 GHz	-38.74 dBm	-13.74 dB
3.610 GHz	3.619 GHz	1.000 MHz	3.61887 GHz	-30.30 dBm	-17.30 dB
3.619 GHz	3.620 GHz	100.000 kHz	3.62000 GHz	-29.13 dBm	-16.13 dB
3.620 GHz	3.630 GHz	100.000 kHz	3.62887 GHz	11.90 dBm	-18.10 dB
3.630 GHz	3.631 GHz	100.000 kHz	3.63001 GHz	-28.83 dBm	-15.83 dB
3.631 GHz	3.640 GHz	1.000 MHz	3.63104 GHz	-30.43 dBm	-17.43 dB
3.640 GHz	3.720 GHz	1.000 MHz	3.64020 GHz	-38.63 dBm	-13.63 dB

Date: 28.OCT.2020 15:33:51

Highest Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.640 GHz	3.680 GHz	1.000 MHz	3.67980 GHz	-37.84 dBm	-12.84 dB
3.680 GHz	3.689 GHz	1.000 MHz	3.68860 GHz	-28.90 dBm	-15.90 dB
3.689 GHz	3.690 GHz	100.000 kHz	3.69000 GHz	-29.39 dBm	-16.39 dB
3.690 GHz	3.700 GHz	100.000 kHz	3.69889 GHz	12.31 dBm	-17.69 dB
3.700 GHz	3.701 GHz	100.000 kHz	3.70001 GHz	-28.50 dBm	-15.50 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70104 GHz	-29.42 dBm	-16.42 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71025 GHz	-37.05 dBm	-12.05 dB

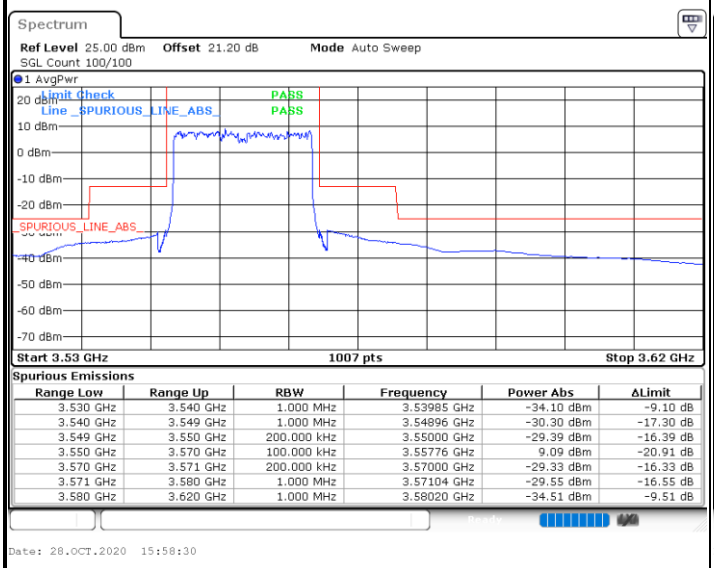
Date: 28.OCT.2020 15:34:45

N/A

LTE Band 48 / 20MHz

16QAM

Lowest Channel / FullRB

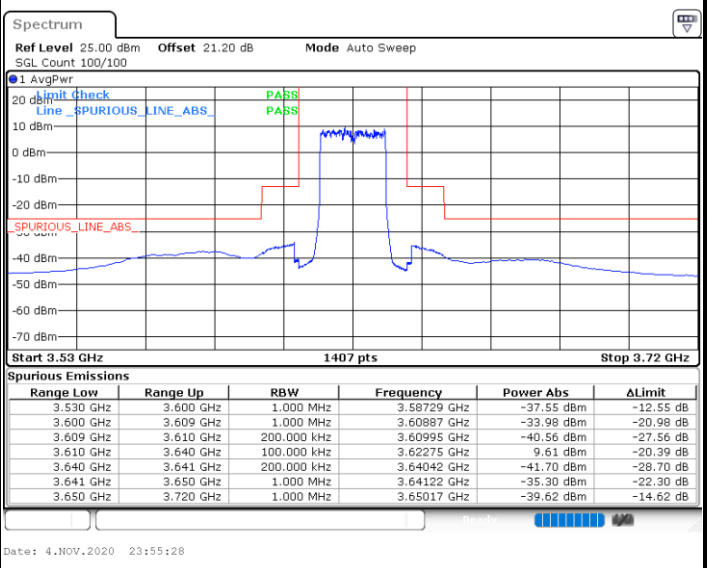


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.540 GHz	1.000 MHz	3.53985 GHz	-34.10 dBm	-9.10 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54896 GHz	-30.30 dBm	-17.30 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.55000 GHz	-29.39 dBm	-16.39 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55776 GHz	9.09 dBm	-20.91 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57000 GHz	-29.33 dBm	-16.33 dB
3.571 GHz	3.580 GHz	1.000 MHz	3.57104 GHz	-29.55 dBm	-16.55 dB
3.580 GHz	3.620 GHz	1.000 MHz	3.58020 GHz	-34.51 dBm	-9.51 dB

Date: 28.OCT.2020 15:58:30

Middle Channel / FullRB

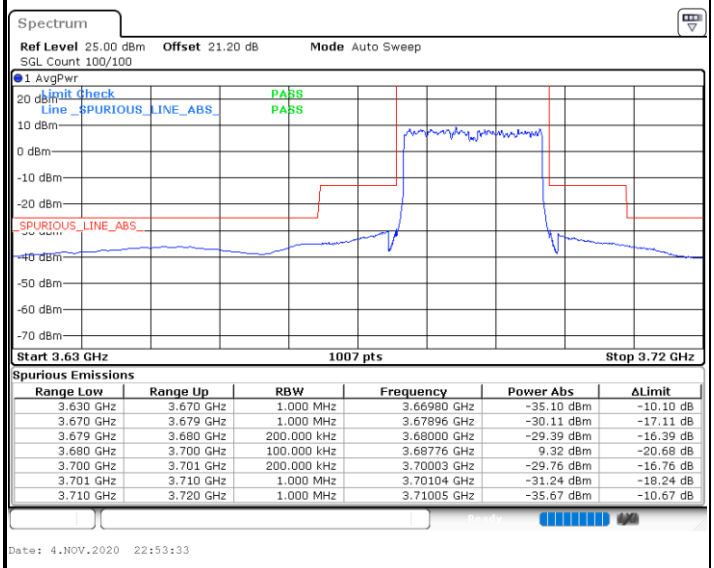


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.600 GHz	1.000 MHz	3.58729 GHz	-37.55 dBm	-12.55 dB
3.600 GHz	3.609 GHz	1.000 MHz	3.60887 GHz	-33.98 dBm	-20.98 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60995 GHz	-40.56 dBm	-27.56 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62275 GHz	9.61 dBm	-20.39 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64042 GHz	-41.70 dBm	-28.70 dB
3.641 GHz	3.650 GHz	1.000 MHz	3.64122 GHz	-35.30 dBm	-22.30 dB
3.650 GHz	3.720 GHz	1.000 MHz	3.65017 GHz	-39.62 dBm	-14.62 dB

Date: 4.NOV.2020 23:55:28

Highest Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.670 GHz	1.000 MHz	3.66980 GHz	-35.10 dBm	-10.10 dB
3.670 GHz	3.679 GHz	1.000 MHz	3.67896 GHz	-30.11 dBm	-17.11 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.68000 GHz	-29.39 dBm	-16.39 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68776 GHz	9.32 dBm	-20.68 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70003 GHz	-29.76 dBm	-16.76 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70104 GHz	-31.24 dBm	-18.24 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71005 GHz	-35.67 dBm	-10.67 dB

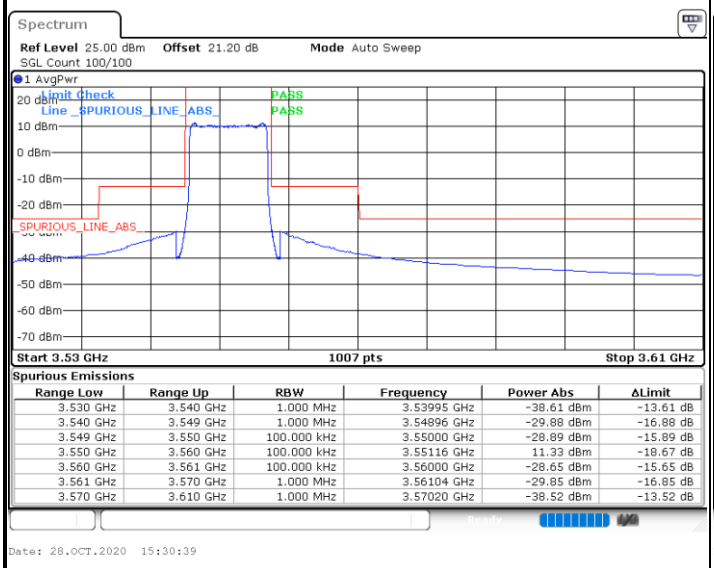
Date: 4.NOV.2020 22:53:33

N/A

LTE Band 48 / 10MHz

64QAM

Lowest Channel / FullRB

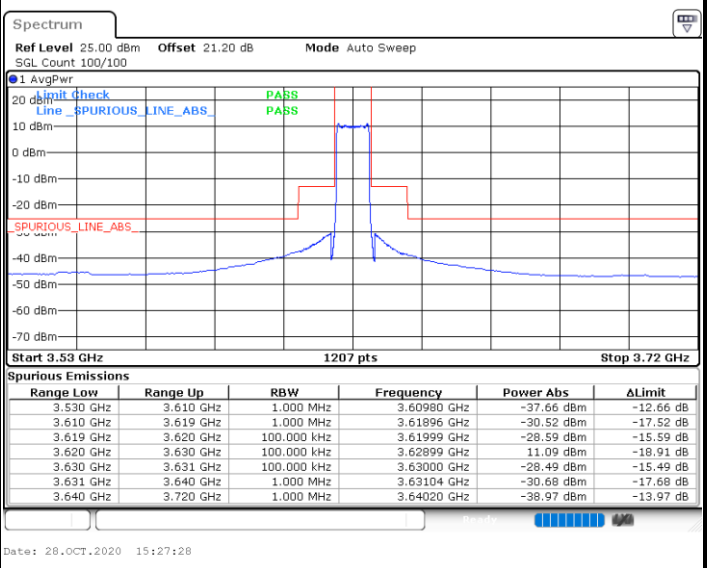


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.540 GHz	1.000 MHz	3.53995 GHz	-38.61 dBm	-13.61 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54896 GHz	-29.88 dBm	-16.88 dB
3.549 GHz	3.550 GHz	100.000 kHz	3.55000 GHz	-28.89 dBm	-15.89 dB
3.550 GHz	3.560 GHz	100.000 kHz	3.55116 GHz	11.33 dBm	-18.67 dB
3.560 GHz	3.561 GHz	100.000 kHz	3.56000 GHz	-28.65 dBm	-15.65 dB
3.561 GHz	3.570 GHz	1.000 MHz	3.56104 GHz	-29.85 dBm	-16.85 dB
3.570 GHz	3.610 GHz	1.000 MHz	3.57020 GHz	-38.52 dBm	-13.52 dB

Date: 28.OCT.2020 15:30:39

Middle Channel / FullRB

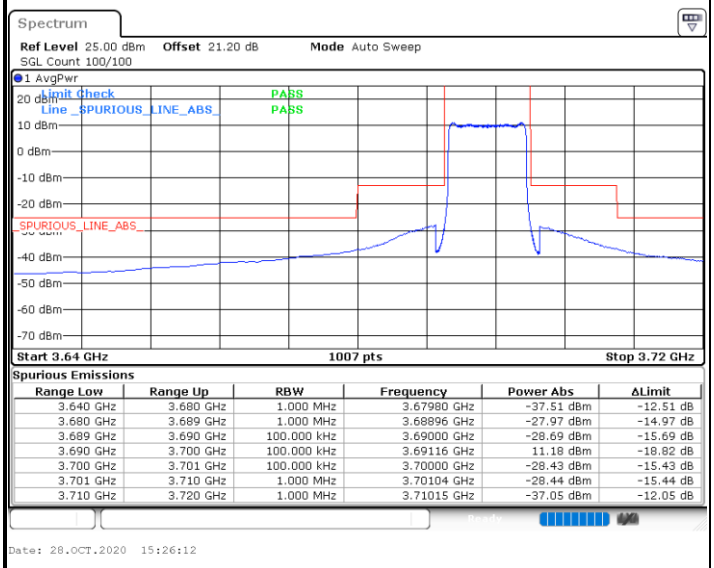


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.610 GHz	1.000 MHz	3.60980 GHz	-37.66 dBm	-12.66 dB
3.610 GHz	3.619 GHz	1.000 MHz	3.61896 GHz	-30.52 dBm	-17.52 dB
3.619 GHz	3.620 GHz	100.000 kHz	3.61999 GHz	-28.59 dBm	-15.59 dB
3.620 GHz	3.630 GHz	100.000 kHz	3.62899 GHz	11.09 dBm	-18.91 dB
3.630 GHz	3.631 GHz	100.000 kHz	3.63000 GHz	-28.49 dBm	-15.49 dB
3.631 GHz	3.640 GHz	1.000 MHz	3.63104 GHz	-30.68 dBm	-17.68 dB
3.640 GHz	3.720 GHz	1.000 MHz	3.64020 GHz	-38.97 dBm	-13.97 dB

Date: 28.OCT.2020 15:27:28

Highest Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.640 GHz	3.680 GHz	1.000 MHz	3.67980 GHz	-37.51 dBm	-12.51 dB
3.680 GHz	3.689 GHz	1.000 MHz	3.68896 GHz	-27.97 dBm	-14.97 dB
3.689 GHz	3.690 GHz	100.000 kHz	3.69000 GHz	-28.69 dBm	-15.69 dB
3.690 GHz	3.700 GHz	100.000 kHz	3.69116 GHz	11.18 dBm	-18.82 dB
3.700 GHz	3.701 GHz	100.000 kHz	3.70000 GHz	-28.43 dBm	-15.43 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70104 GHz	-28.44 dBm	-15.44 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71015 GHz	-37.05 dBm	-12.05 dB

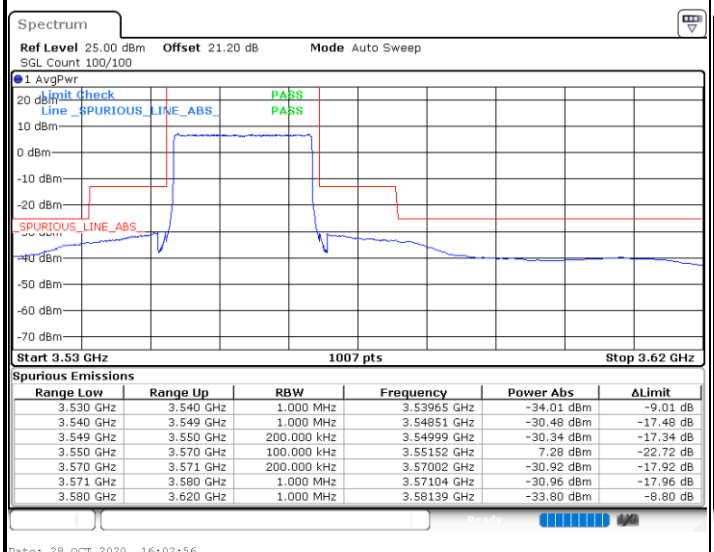
Date: 28.OCT.2020 15:26:12

N/A

LTE Band 48 / 20MHz

64QAM

Lowest Channel / FullRB

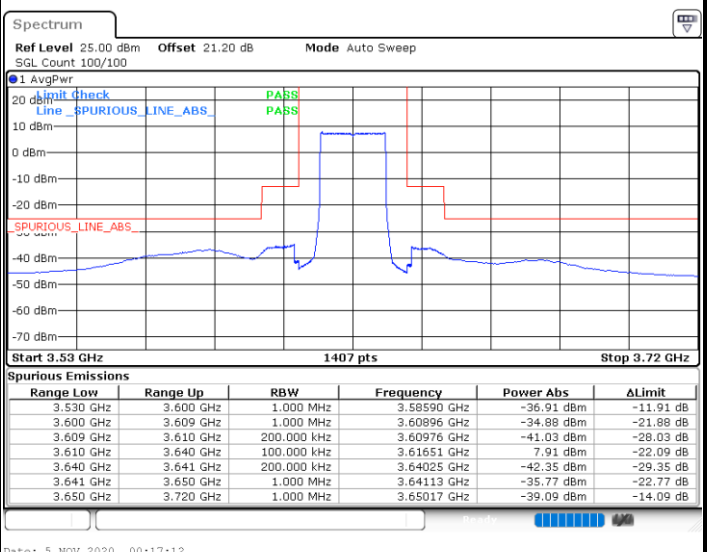


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.540 GHz	1.000 MHz	3.53965 GHz	-34.01 dBm	-9.01 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54851 GHz	-30.48 dBm	-17.48 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54999 GHz	-30.34 dBm	-17.34 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55152 GHz	7.28 dBm	-22.72 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57002 GHz	-30.92 dBm	-17.92 dB
3.571 GHz	3.580 GHz	1.000 MHz	3.57104 GHz	-30.96 dBm	-17.96 dB
3.580 GHz	3.620 GHz	1.000 MHz	3.58139 GHz	-33.80 dBm	-8.80 dB

Date: 28.OCT.2020 16:02:56

Middle Channel / FullRB

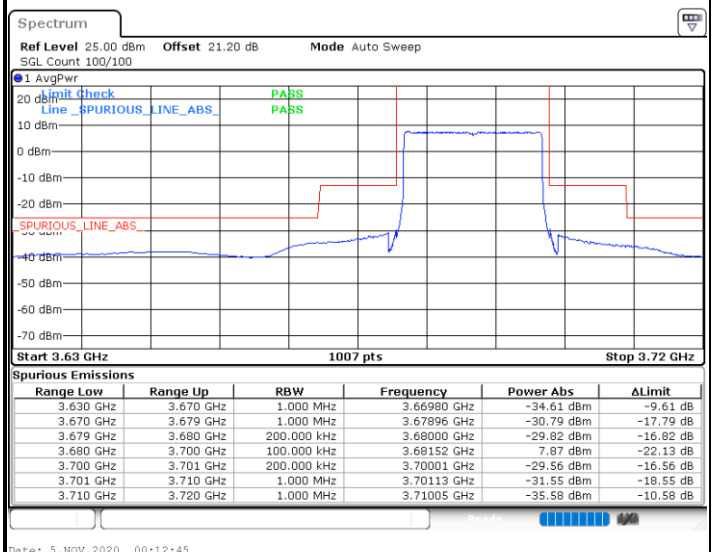


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.600 GHz	1.000 MHz	3.58590 GHz	-36.91 dBm	-11.91 dB
3.600 GHz	3.609 GHz	1.000 MHz	3.60896 GHz	-34.88 dBm	-21.88 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60976 GHz	-41.03 dBm	-28.03 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61651 GHz	7.91 dBm	-22.09 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64025 GHz	-42.35 dBm	-29.35 dB
3.641 GHz	3.650 GHz	1.000 MHz	3.64113 GHz	-35.77 dBm	-22.77 dB
3.650 GHz	3.720 GHz	1.000 MHz	3.65017 GHz	-39.09 dBm	-14.09 dB

Date: 5.NOV.2020 00:17:12

Highest Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.670 GHz	1.000 MHz	3.66980 GHz	-34.61 dBm	-9.61 dB
3.670 GHz	3.679 GHz	1.000 MHz	3.67896 GHz	-30.79 dBm	-17.79 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.68000 GHz	-29.82 dBm	-16.82 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68152 GHz	7.87 dBm	-22.13 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70001 GHz	-29.56 dBm	-16.56 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70113 GHz	-31.55 dBm	-18.55 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71005 GHz	-35.58 dBm	-10.58 dB

Date: 5.NOV.2020 00:12:45

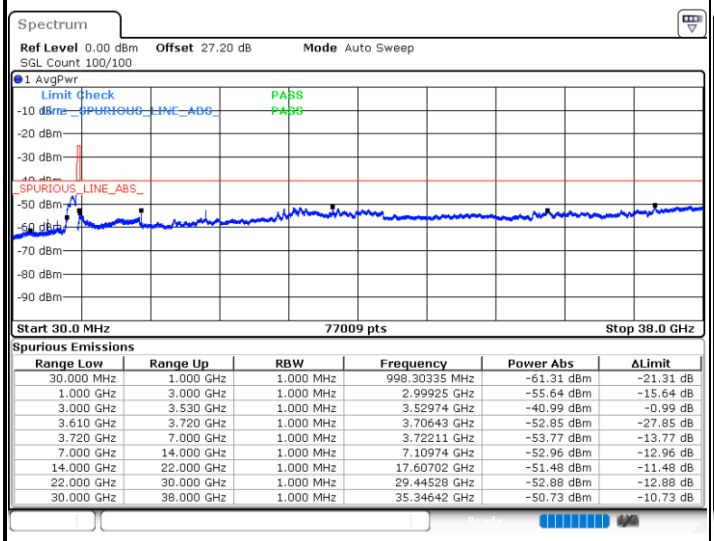
N/A

Conducted Spurious Emission

LTE Band 48 / 10MHz

QPSK

Lowest Channel / FullRB

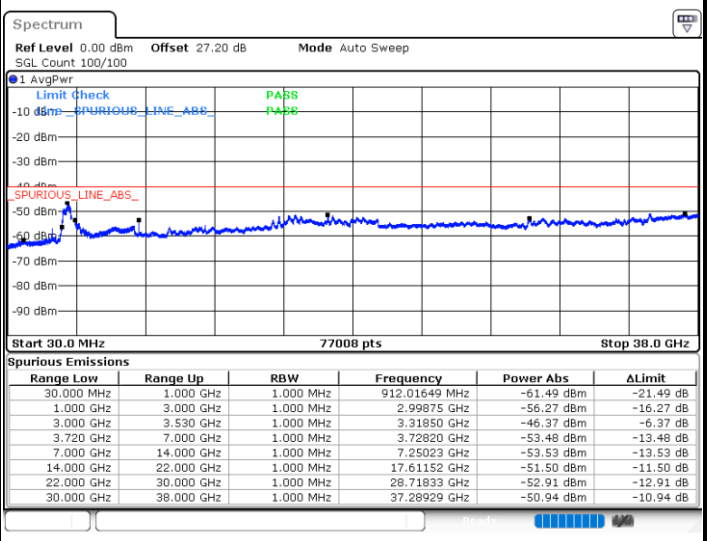


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.30335 MHz	-61.31 dBm	-21.31 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99925 GHz	-55.64 dBm	-15.64 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.52974 GHz	-40.99 dBm	-0.99 dB
3.610 GHz	3.720 GHz	1.000 MHz	3.70643 GHz	-52.85 dBm	-27.85 dB
3.720 GHz	7.000 GHz	1.000 MHz	3.72211 GHz	-53.77 dBm	-13.77 dB
7.000 GHz	14.000 GHz	1.000 MHz	7.10974 GHz	-52.96 dBm	-12.96 dB
14.000 GHz	22.000 GHz	1.000 MHz	17.60702 GHz	-51.48 dBm	-11.48 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.44528 GHz	-52.88 dBm	-12.88 dB
30.000 GHz	38.000 GHz	1.000 MHz	35.34642 GHz	-50.73 dBm	-10.73 dB

Date: 5.NOV.2020 17:12:43

Middle Channel / FullRB

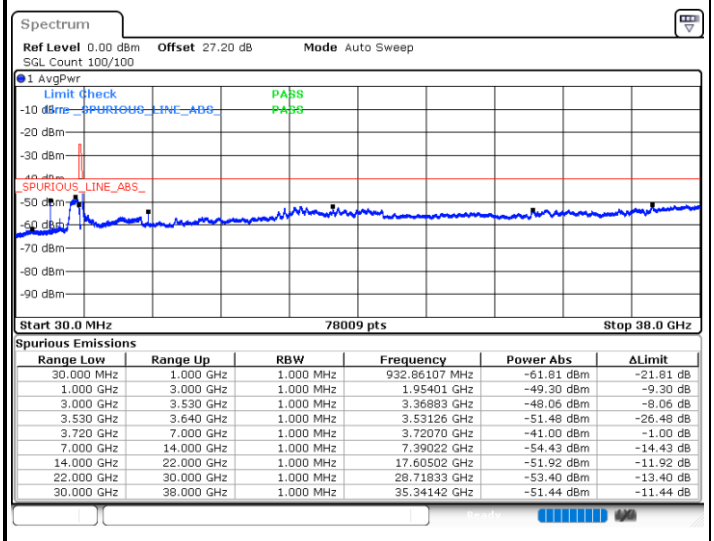


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.01649 MHz	-61.49 dBm	-21.49 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99875 GHz	-56.27 dBm	-16.27 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.31850 GHz	-46.37 dBm	-6.37 dB
3.720 GHz	7.000 GHz	1.000 MHz	3.72820 GHz	-53.48 dBm	-13.48 dB
7.000 GHz	14.000 GHz	1.000 MHz	7.25023 GHz	-53.53 dBm	-13.53 dB
14.000 GHz	22.000 GHz	1.000 MHz	17.61152 GHz	-51.50 dBm	-11.50 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.71833 GHz	-52.91 dBm	-12.91 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.28929 GHz	-50.94 dBm	-10.94 dB

Date: 5.NOV.2020 17:10:37

Highest Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	932.86107 MHz	-61.81 dBm	-21.81 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.95401 GHz	-49.30 dBm	-9.30 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.36883 GHz	-48.06 dBm	-8.06 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.53126 GHz	-51.48 dBm	-26.48 dB
3.720 GHz	7.000 GHz	1.000 MHz	3.72070 GHz	-41.00 dBm	-1.00 dB
7.000 GHz	14.000 GHz	1.000 MHz	7.39022 GHz	-54.43 dBm	-14.43 dB
14.000 GHz	22.000 GHz	1.000 MHz	17.60502 GHz	-51.92 dBm	-11.92 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.71833 GHz	-53.40 dBm	-13.40 dB
30.000 GHz	38.000 GHz	1.000 MHz	35.34142 GHz	-51.44 dBm	-11.44 dB

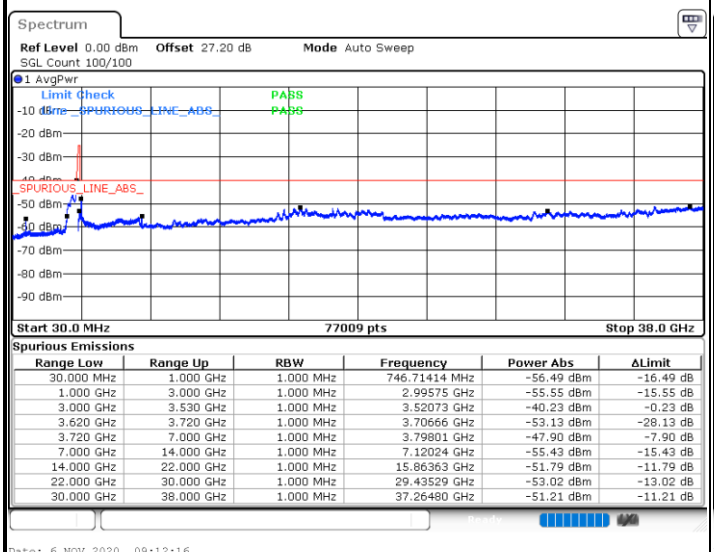
Date: 9.NOV.2020 10:48:22

N/A

LTE Band 48 / 20MHz

QPSK

Lowest Channel / FullRB

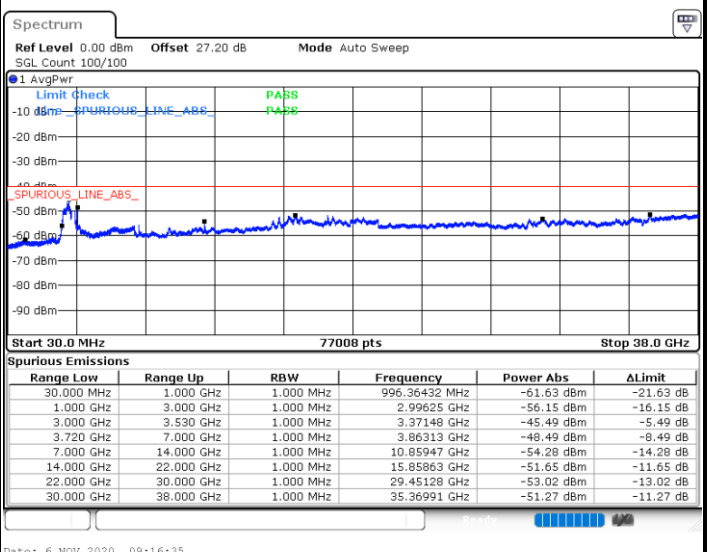


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	746.71414 MHz	-56.49 dBm	-16.49 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99575 GHz	-55.55 dBm	-15.55 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.52073 GHz	-40.23 dBm	-0.23 dB
3.620 GHz	3.720 GHz	1.000 MHz	3.70666 GHz	-53.13 dBm	-28.13 dB
3.720 GHz	7.000 GHz	1.000 MHz	3.79801 GHz	-47.90 dBm	-7.90 dB
7.000 GHz	14.000 GHz	1.000 MHz	7.12024 GHz	-55.43 dBm	-15.43 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.86363 GHz	-51.79 dBm	-11.79 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.43529 GHz	-53.02 dBm	-13.02 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.26480 GHz	-51.21 dBm	-11.21 dB

Date: 6.NOV.2020 09:12:16

Middle Channel / FullRB

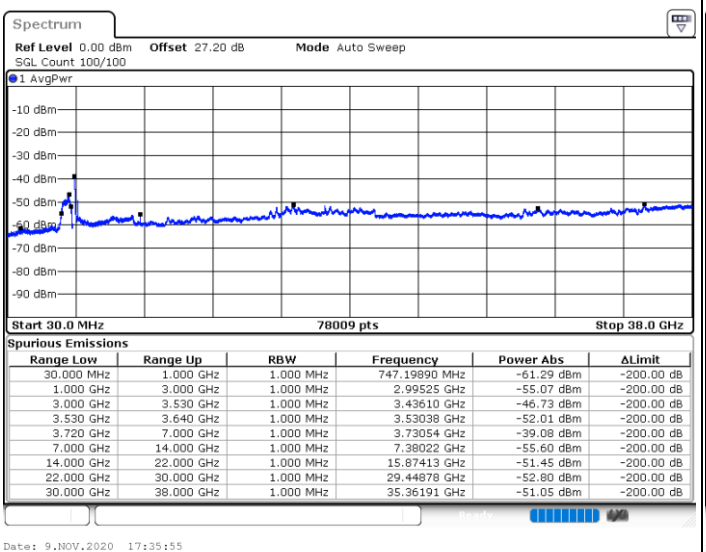


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	996.36432 MHz	-61.63 dBm	-21.63 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99625 GHz	-56.15 dBm	-16.15 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.37148 GHz	-45.49 dBm	-5.49 dB
3.720 GHz	7.000 GHz	1.000 MHz	3.86313 GHz	-48.49 dBm	-8.49 dB
7.000 GHz	14.000 GHz	1.000 MHz	10.85947 GHz	-54.28 dBm	-14.28 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.85863 GHz	-51.65 dBm	-11.65 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.45128 GHz	-53.02 dBm	-13.02 dB
30.000 GHz	38.000 GHz	1.000 MHz	35.36991 GHz	-51.27 dBm	-11.27 dB

Date: 6.NOV.2020 09:16:35

Highest Channel / FullRB

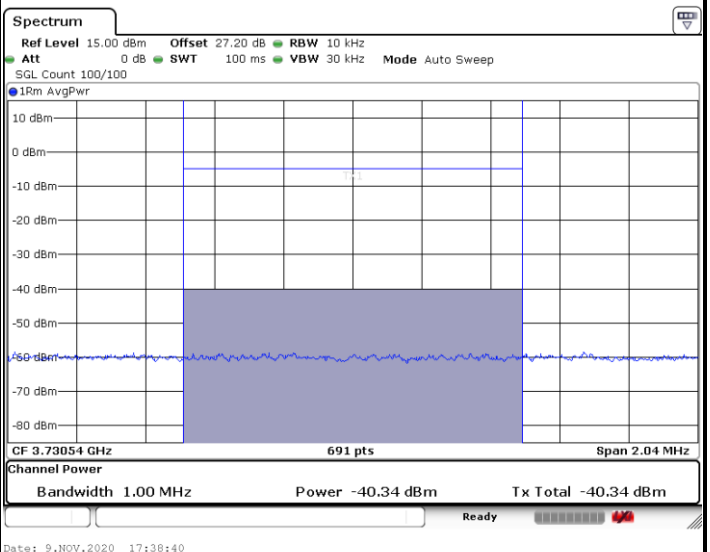


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	747.19890 MHz	-61.29 dBm	-200.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99525 GHz	-55.07 dBm	-200.00 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.43610 GHz	-46.73 dBm	-200.00 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.53038 GHz	-52.01 dBm	-200.00 dB
3.720 GHz	7.000 GHz	1.000 MHz	3.73054 GHz	-39.08 dBm	-200.00 dB
7.000 GHz	14.000 GHz	1.000 MHz	7.38022 GHz	-55.60 dBm	-200.00 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.87413 GHz	-51.45 dBm	-200.00 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.44878 GHz	-52.80 dBm	-200.00 dB
30.000 GHz	38.000 GHz	1.000 MHz	35.36191 GHz	-51.05 dBm	-200.00 dB

Date: 9.NOV.2020 17:35:55

Channel Power -40.34dBm<-40dBm(Pass)

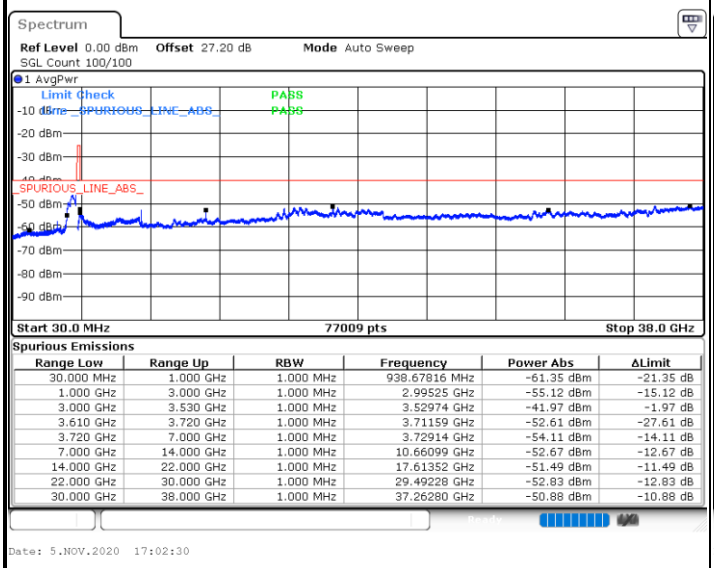


Date: 9.NOV.2020 17:38:40

LTE Band 48 / 10MHz

16QAM

Lowest Channel / FullRB

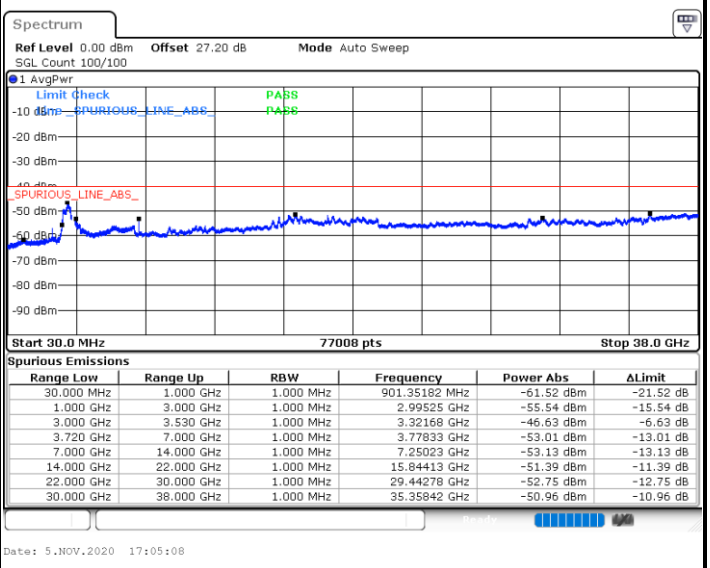


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	938.67816 MHz	-61.35 dBm	-21.35 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99525 GHz	-55.12 dBm	-15.12 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.52974 GHz	-41.97 dBm	-1.97 dB
3.610 GHz	3.720 GHz	1.000 MHz	3.71159 GHz	-52.61 dBm	-27.61 dB
3.720 GHz	7.000 GHz	1.000 MHz	3.72914 GHz	-54.11 dBm	-14.11 dB
7.000 GHz	14.000 GHz	1.000 MHz	10.66099 GHz	-52.67 dBm	-12.67 dB
14.000 GHz	22.000 GHz	1.000 MHz	17.61352 GHz	-51.49 dBm	-11.49 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.49228 GHz	-52.83 dBm	-12.83 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.26280 GHz	-50.88 dBm	-10.88 dB

Date: 5.NOV.2020 17:02:30

Middle Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	901.35182 MHz	-61.52 dBm	-21.52 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99525 GHz	-55.54 dBm	-15.54 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.32168 GHz	-46.63 dBm	-6.63 dB
3.720 GHz	7.000 GHz	1.000 MHz	3.77833 GHz	-53.01 dBm	-13.01 dB
7.000 GHz	14.000 GHz	1.000 MHz	7.25023 GHz	-53.13 dBm	-13.13 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.84413 GHz	-51.39 dBm	-11.39 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.44278 GHz	-52.75 dBm	-12.75 dB
30.000 GHz	38.000 GHz	1.000 MHz	35.35842 GHz	-50.96 dBm	-10.96 dB

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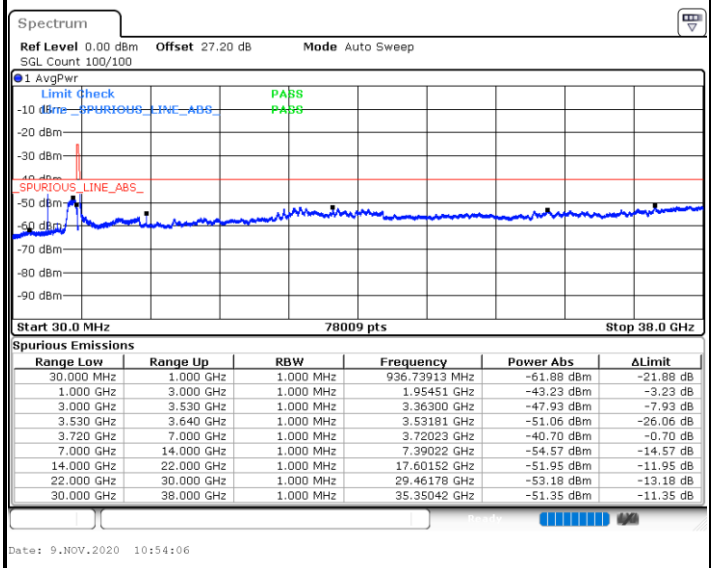
Highest Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	936.73913 MHz	-61.88 dBm	-21.88 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.95451 GHz	-43.23 dBm	-3.23 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.36300 GHz	-47.93 dBm	-7.93 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.53181 GHz	-51.06 dBm	-26.06 dB
3.720 GHz	7.000 GHz	1.000 MHz	3.72023 GHz	-40.70 dBm	-0.70 dB
7.000 GHz	14.000 GHz	1.000 MHz	7.39022 GHz	-54.57 dBm	-14.57 dB
14.000 GHz	22.000 GHz	1.000 MHz	17.60152 GHz	-51.95 dBm	-11.95 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.46178 GHz	-53.18 dBm	-13.18 dB
30.000 GHz	38.000 GHz	1.000 MHz	35.35042 GHz	-51.35 dBm	-11.35 dB

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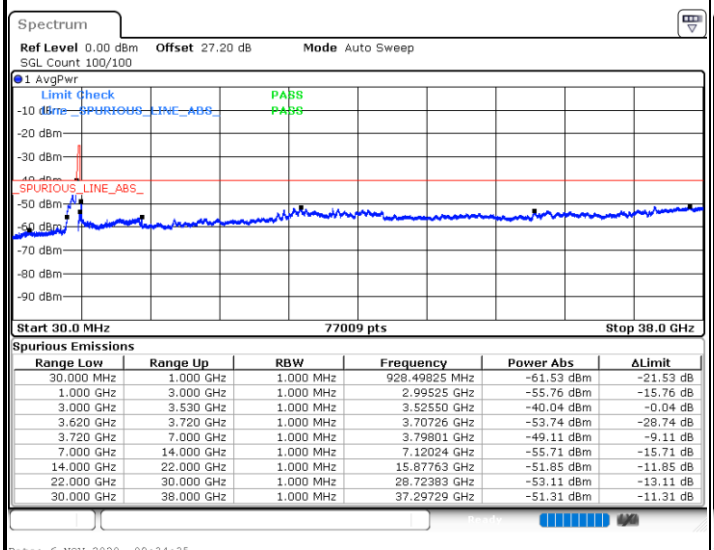
N/A

LTE Band 48 / 20MHz

16QAM

Lowest Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.49825 MHz	-61.53 dBm	-21.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99525 GHz	-55.76 dBm	-15.76 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.52550 GHz	-40.04 dBm	-0.04 dB
3.620 GHz	3.720 GHz	1.000 MHz	3.70726 GHz	-53.74 dBm	-28.74 dB
3.720 GHz	7.000 GHz	1.000 MHz	3.79801 GHz	-49.11 dBm	-9.11 dB
7.000 GHz	14.000 GHz	1.000 MHz	7.12024 GHz	-55.71 dBm	-15.71 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.87763 GHz	-51.85 dBm	-11.85 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.72383 GHz	-53.11 dBm	-13.11 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.29729 GHz	-51.31 dBm	-11.31 dB

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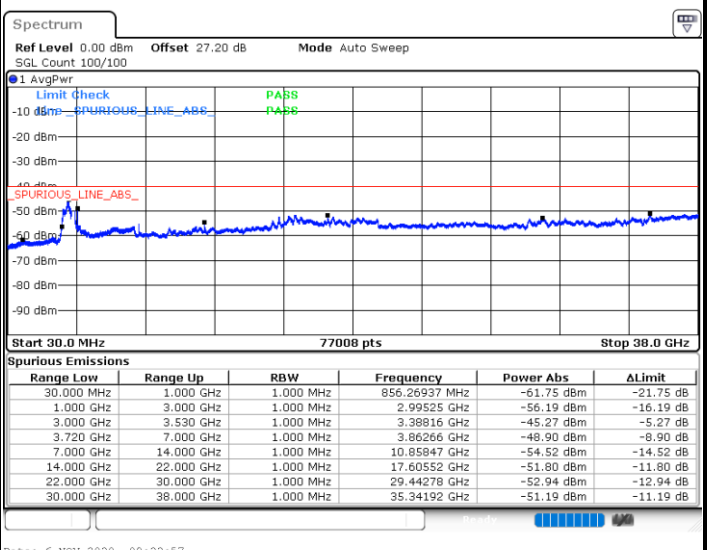
Middle Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	856.26937 MHz	-61.75 dBm	-21.75 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99525 GHz	-56.19 dBm	-16.19 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.38816 GHz	-45.27 dBm	-5.27 dB
3.720 GHz	7.000 GHz	1.000 MHz	3.86266 GHz	-48.90 dBm	-8.90 dB
7.000 GHz	14.000 GHz	1.000 MHz	10.85847 GHz	-54.52 dBm	-14.52 dB
14.000 GHz	22.000 GHz	1.000 MHz	17.60552 GHz	-51.80 dBm	-11.80 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.44278 GHz	-52.94 dBm	-12.94 dB
30.000 GHz	38.000 GHz	1.000 MHz	35.34192 GHz	-51.19 dBm	-11.19 dB

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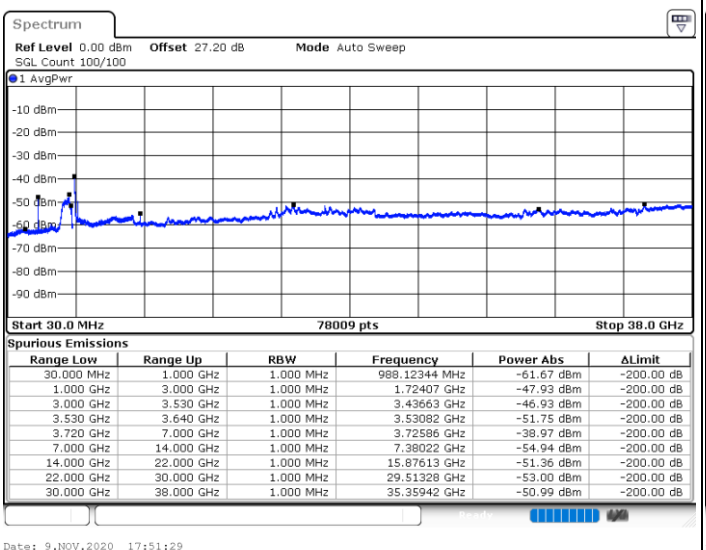
Highest Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	988.12344 MHz	-61.67 dBm	-200.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.72407 GHz	-47.93 dBm	-200.00 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.43663 GHz	-46.93 dBm	-200.00 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.53082 GHz	-51.75 dBm	-200.00 dB
3.720 GHz	7.000 GHz	1.000 MHz	3.72586 GHz	-38.97 dBm	-200.00 dB
7.000 GHz	14.000 GHz	1.000 MHz	7.38022 GHz	-54.94 dBm	-200.00 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.87613 GHz	-51.36 dBm	-200.00 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.51328 GHz	-53.00 dBm	-200.00 dB
30.000 GHz	38.000 GHz	1.000 MHz	35.35942 GHz	-50.99 dBm	-200.00 dB

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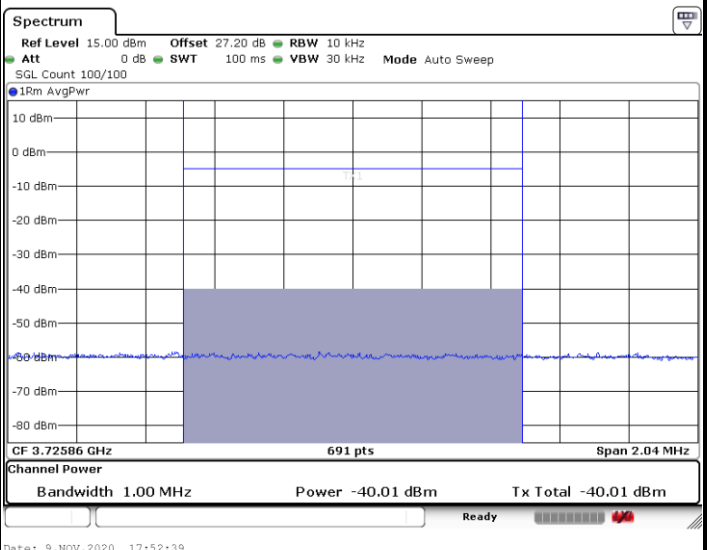
Channel Power -40.01dBm<-40dBm(Pass)



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