



FCC RADIO TEST REPORT

FCC ID : XIA-221
Equipment : 4G LTE Cat 1 Industrial IoT Router;
Vodafone MachineLink 4G Lite
Brand Name : NetComm;  NetComm ;  NetCommWireless
Casa; Casa Systems;  casa systems ; Vodafone 
Model Name : NTC-221, NWL-221
Applicant : NetComm Wireless Pty Ltd
Level 5, 18-20 Orion Road
Lane Cove, NSW 2066, Australia
Manufacturer : NetComm Wireless Pty Ltd
Level 5, 18-20 Orion Road
Lane Cove, NSW 2066, Australia
Standard : 47 CFR Part 2, 22(H), 24(E), 27

The product was received on Jul. 31, 2020, and testing was started from Aug. 17, 2020 and completed on Sep. 07, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI/TIA-603-E-2016 and shown 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.



Approved by: Allen Lin

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
FG891369-04	01	Initial issue of report	Sep. 24, 2020
FG891369-04	02	1. Test Photos was updated 2. Comments and Explanations was updated 3. Appendix C.1 was updated 4. The 2.1 section Test Condition was added This report is the latest version replacing for the report issued on Sep. 24, 2020	Sep. 28, 2020



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	2.1046	Conducted Output Power	PASS	-
	27.50(b)(10) 27.50(c)(10)	Effective Radiated Power	PASS	-
	24.232(a) 27.50(d)(2) 27.50(d)(4) 27.50(h)(2)	Equivalent Isotropic Radiated Power		
3.2	24.232(d) 27.50(d)(5)	Peak-to-Average Ratio	PASS	-
3.3	2.1049	Occupied Bandwidth	PASS	-
3.4	2.1051 24.238(a) 27.53(h) 27.53(m)(4)	Conducted Band Edge	PASS	-
3.5	2.1051 24.238(a) 27.53(h) 27.53(m)(4)	Conducted Spurious Emission	PASS	-
3.6	2.1053 24.238(a) 27.53(h) 27.53(m)(4)	Radiated Spurious Emission	PASS	-
3.7	2.1055 24.235 27.54	Frequency Stability for Temperature & Voltage	PASS	-

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.

For WCDMA Band V and LTE Band 5, please refer to test report FG891369-06.

Reviewed by: Sam Tsai

Report Producer: Jenny Yang



1 General Description

1.1 Information

1.1.1 RF General Information

Items	Description			
	Band	Bandwidth (MHz)	TX Frequency (MHz)	RX Frequency (MHz)
Operating Frequency	☒ GSM 850	0.2	824.2 – 849.2	869.2 – 894.2
	☒ PCS 1900	0.2	1850.2 - 1909.8	1930.2 - 1989.8
	☒ WCDMA Band V	5	826.4 - 846.6	871.4 - 891.6
	☒ WCDMA Band II	5	1852.4 - 1907.6	1932.4 - 1987.6
	☐ WCDMA Band IV	5	1712.4 - 1752.6	2112.4 - 2152.6
	☒ LTE Band 5	1.4	824.7 - 848.3	869.7 - 893.3
		3	825.5 - 847.5	870.5 - 892.5
		5	826.5 - 846.5	871.5 - 891.5
		10	829.0 - 844.0	874.0 - 889.0
	☒ LTE Band 2	1.4	1850.7 - 1909.3	1930.7 - 1989.3
		3	1851.5 - 1908.5	1931.5 - 1988.5
		5	1852.5 - 1907.5	1932.5 - 1987.5
		10	1855.0 - 1905.0	1935.0 - 1985.0
		15	1857.5 - 1902.5	1937.5 - 1982.5
		20	1860.0 - 1900.0	1940.0 - 1980.0
	☒ LTE Band 4	1.4	1710.7 - 1754.3	2110.7 - 2154.3
		3	1711.5 - 1753.5	2111.5 - 2153.5
		5	1712.5 - 1752.5	2112.5 - 2152.5
		10	1715.0 - 1750.0	2115.0 - 2150.0
		15	1717.5 - 1747.5	2117.5 - 2147.5
		20	1720.0 - 1745.0	2120.0 - 2145.0
	☒ LTE Band 7	5	2502.5 – 2567.5	2622.5 – 2687.5
		10	2505 – 2565	2625 – 2685
		15	2507.5 – 2562.5	2627.5 – 2682.5
		20	2510 - 2560	2630 - 2680
	☐ LTE Band 12	1.4	699.7 - 715.3	729.7 - 745.3
		3	700.5 - 714.5	730.5 - 744.5
		5	701.5 - 713.5	731.5 - 743.5
		10	704.0 - 711.0	734.0 - 741.0
	☐ LTE Band 13	5	779.5 - 784.5	748.5 - 753.5
		10	782.0	751.0
	☐ LTE Band 14	5	790.5 - 795.5	760.5 - 765.5
		10	793	763
	☐ LTE Band 17	5	706.5 - 713.5	736.5 - 743.5
		10	709 - 711	739 - 741
	☐ LTE Band 25	1.4	1850.7 - 1914.3	1930.7 - 1994.3
		3	1851.5 - 1913.5	1931.5 - 1993.5
		5	1852.5 - 1912.5	1932.5 - 1992.5
		10	1855 - 1910	1935 - 1990
		15	1857.5 - 1907.5	1937.5 - 1987.5
		20	1860 - 1905	1940 - 1985



	☐	LTE Band 26	1.4	814.7 - 848.3	859.7 - 893.3
			3	815.5 - 847.5	860.5 - 892.5
			5	816.5 - 846.5	861.5 - 891.5
			10	819 - 844	864 - 889
			15	821.5 - 841.5	866.5 - 886.5
	☐	LTE Band 66	1.4	1710.7 - 1779.3	2110.7 - 2179.3
			3	1711.5 - 1778.5	2111.5 - 2178.5
			5	1712.5 - 1777.5	2112.5 - 2177.5
			10	1715 - 1775	2115 - 2175
			15	1717.5 - 1772.5	2117.5 - 2172.5
			20	1720 - 1770	2120 - 2170
Type of Modulation	GPRS: GMSK EDGE: 8PSK WCDMA: BPSK / QPSK / 16QAM HSDPA: BPSK / QPSK / 16 QAM HSUPA: BPSK / QPSK / 16 QAM LTE: QPSK / 16QAM				

Note: The above information was declared by manufacturer.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector
1	1	-	NANT-00001	Dipole	SMA
2	1	-	NANT-00006	Dipole	SMA

Ant.	Port	Gain (dBi)			
		GSM 850	PCS 1900 / WCDMA II / LTE Band 2	LTE Band 4	LTE Band 7
1	1	3.13	3.42	3.28	3.8
2	1	0.61	2.72	2.09	3.17

Note 1: The EUT has two types as marketing (for more detail please references section 1.1.4)

Because Ant. 1 and Ant. 2 are the same type antennas, only the higher gain antennas "Ant. 1" was tested and recorded in the report.

For WWAN function:

Ant. 1 (port 1) or Ant. 2 (port 1) could transmit/receive.

**1.1.3 EUT Information**

Operational Condition				
EUT Power Type	From AC Adapter			
EUT Function	☐	Base Station	☒	Mobile Station
	☒	Indoor	☐	Outdoor
Type of EUT				
☒	Stand-alone			
☐	Combined (EUT where the radio part is fully integrated within another device)			
	Combined Equipment - Brand Name / Model No.:		...	
☐	Plug-in radio (EUT intended for a variety of host systems)			
	Host System - Brand Name / Model No.:		...	
☐	Other:			

1.1.4 Table for Multiple Listing

Equipment	Model Name	Description
4G LTE Cat 1 Industrial IoT Router	NTC-221	The difference of models is in sales marketing.
Vodafone MachineLink 4G Lite	NWL-221	

Note: The information from manufacturer.



1.2 Applicable Standards

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

- 47 CFR Part 2, 22(H), 24(E), 27
- ANSI/TIA-603-E-2016
- KDB 971168 D01 v03r01

1.3 Testing Location

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
Test site Designation No. TW1190 with FCC.			
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.			
☐	Wen Shan	ADD : No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)	
		TEL : 886-3-318-0787	FAX : 886-3-318-0287
Test site Designation No. TW1097 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH06-HY	Raven Chien	22.8~24.1°C / 50~59%	17/Aug/2020~07/Sep/2020
Radiated Emission	03CH02-HY	Daniel Lin	20.6~25.9°C / 53~ 63%	27/Aug/2020~05/Sep/2020

1.4 Measurement Uncertainty

Test Items	Uncertainty	Remark
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

2 Test Configuration of Equipment Under Test

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
TminVmin	Vnom	120V
TminVmax	Vmin	102V
TmaxVmin	Vmax	138V
TmaxVmax	Tmin	-40°C
	Tmax	70°C

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Conducted Output Power, Peak-to-Average Ratio, Occupied Bandwidth, Conducted Band Edge, Conducted Spurious Emission, Frequency Stability
Test Condition	Conducted measurement at transmit chains
1	EUT with GSM 850 Link
2	EUT with PCS 1900 Link
3	EUT with WCDMA Band 2 Link
4	EUT with LTE Band 2 Link
5	EUT with LTE Band 4 Link
6	EUT with LTE Band 7 Link

The Worst Case Mode for Following Conformance Tests			
Tests Item	Radiated Spurious Emission		
Test Condition	Radiated measurement		
1	Adapter mode		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT			V



2.3 Accessories

Accessories				
AC Adapter	Brand Name	NA	Model Name	S018BAM1200150
	Power Rating	I/P: 100 - 240 Vac, 0.5 A, O/P: 12 Vdc, 1.5 A		
	Power Cord	1.5 meter, non-shielded cable, w/o ferrite core		
RJ45 Cable	Brand Name	NA	Model Name	NA
	Power Cord	1.5 meter, non-shielded cable		
DIN rail mounting bracket	Brand Name	NA	Model Name	NA

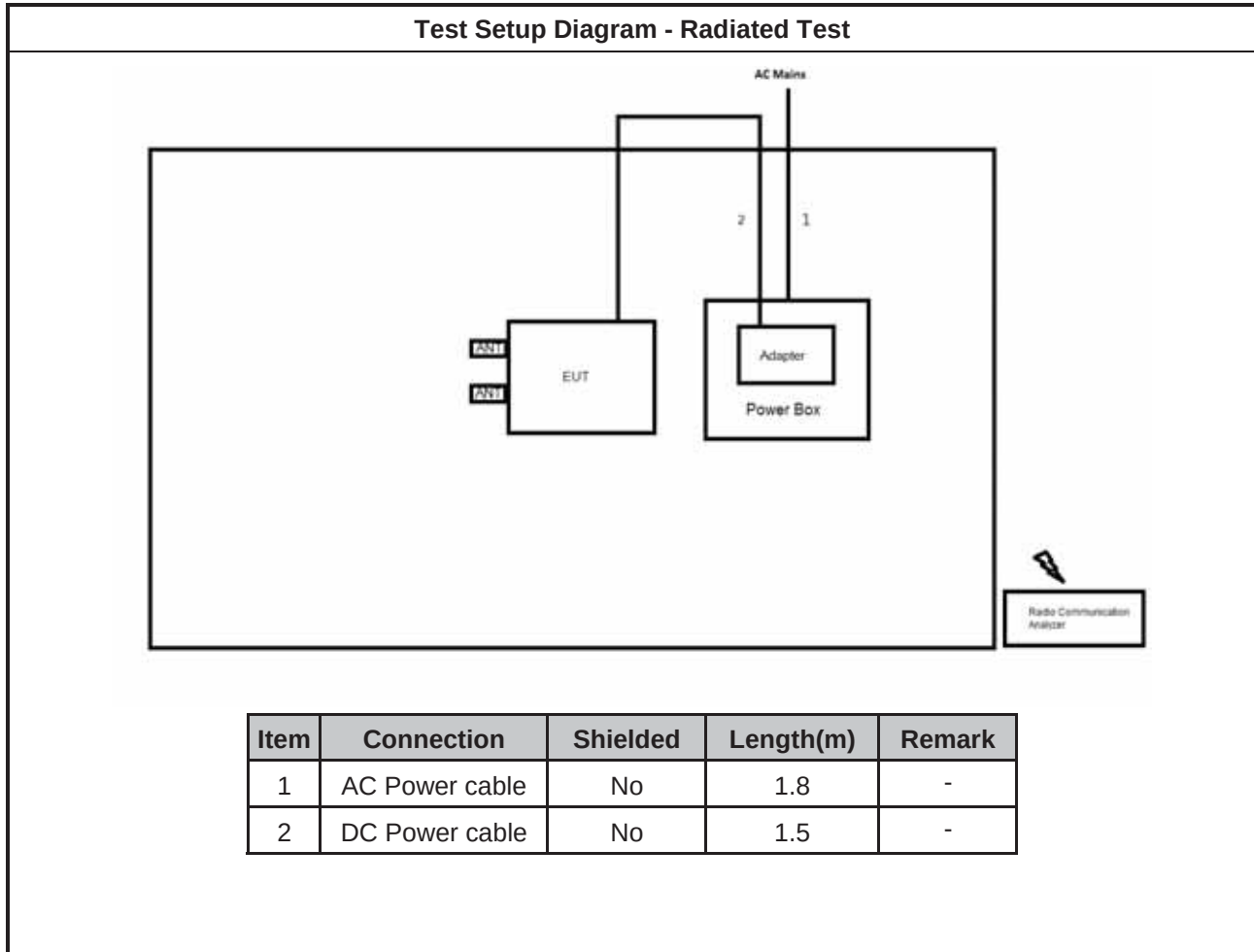
Reminder: Regarding to more detail and other information, please refer to user manual.

2.4 Support Equipment

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	SIM card	SPORTON	SPORTON	-	-
2	Radio Communication Analyzer	Anritsu	MT8820C	-	-

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	SIM card	SPORTON	SPORTON	-	-
2	Radio Communication Analyzer (remote)	Anritsu	MT8820C	-	-

2.5 Test Setup Diagram





3 Test Result

3.1 Conducted Output Power and ERP/EIRP Measurement

3.1.1 Description of the Conducted Output Power and ERP/EIRP Measurement

Conducted Output Power Limit	
N/A	
Effective Radiated Power (ERP) Limit	
☒ GSM 850	Base Station: 500 Watts or 400Watts (PSD) Mobile Station: 7 Watts
☒ WCDMA Band V	
☒ LTE Band 5	
☐ LTE Band 26	
☐ LTE Band 12	Base Station: 1000 Watts Mobile Station: 30 Watts hand-held devices: 3 Watts
☐ LTE Band 13	
☐ LTE Band 14	
☐ LTE Band 17	
Equivalent Isotropic Radiated Power (EIRP) Limit	
☒ PCS 1900	Base Station: 1640 Watts Mobile Station: 2 Watts
☒ WCDMA Band II	
☒ LTE Band 2	
☒ LTE Band 7	
☐ LTE Band 25	Base Station: 1640 Watts Mobile Station: 1 Watts
☐ WCDMA Band IV	
☒ LTE Band 4	
☐ LTE Band 66	
Note 1: A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.	
Note 2: According to ANSI/TIA-603-E-2016 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	

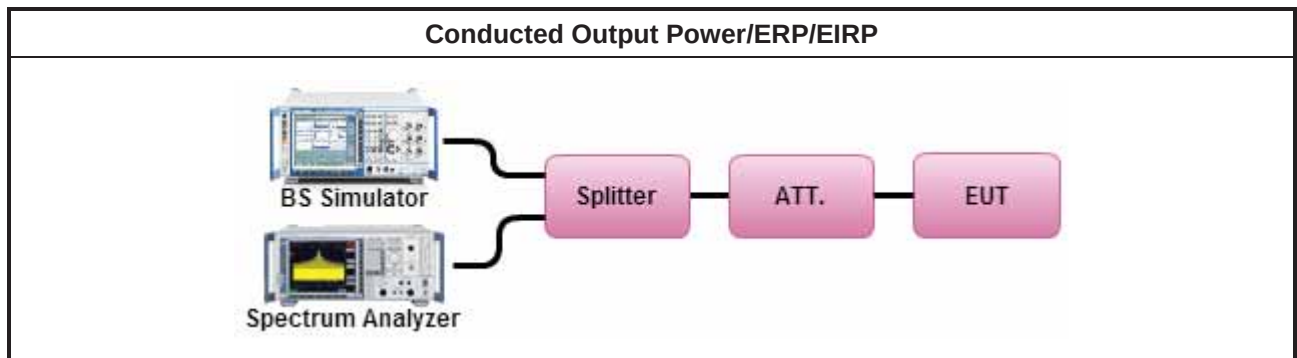
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through 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.

3.1.4 Test Setup



3.1.5 Test Result of Conducted Output Power

Refer as Appendix A

3.1.6 Test Result of ERP/EIRP

Refer as Appendix A

3.2 Peak-to-Average Ratio Measurement

3.2.1 Description of the PAR Measurement

The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

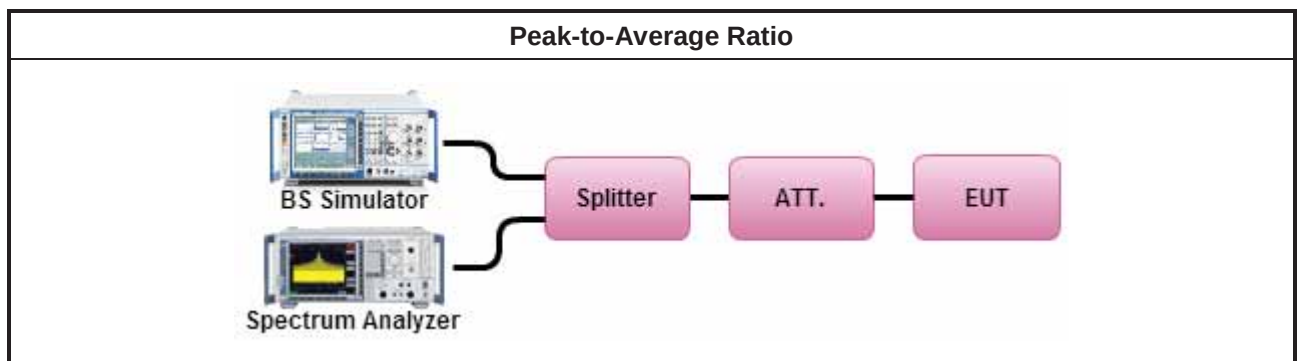
3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

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.

3.2.4 Test Setup



3.2.5 Test Result of Peak-to-Average Ratio

Refer as Appendix B



3.3 Occupied Bandwidth Measurement

3.3.1 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.

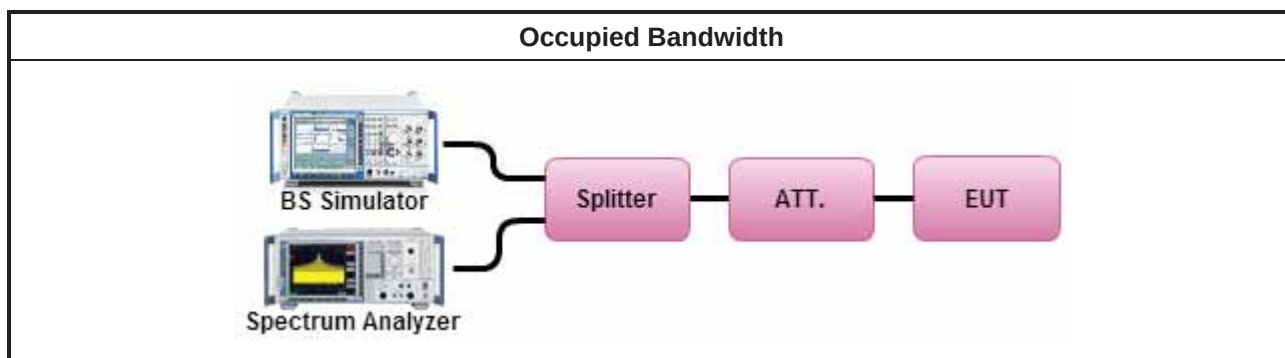
3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

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.

3.3.4 Test Setup



3.3.5 Test Result of Occupied Bandwidth

Refer as Appendix C



3.4 Conducted Band Edge Measurement

3.4.1 Description of Conducted Band Edge Measurement

Conducted Band Edge	
☒ GSM 850	43 + 10log ₁₀ (P[Watts]) dB below the transmitter power P(Watts) in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.
☒ WCDMA V	
☒ LTE Band 5	
☐ LTE Band 26	
☒ PCS 1900	43 + 10log ₁₀ (P[Watts]) dB below the transmitter power P(Watts) in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.
☒ WCDMA II	
☒ LTE Band 2	
☐ LTE Band 25	
☒ LTE Band 4	43 + 10log ₁₀ (P[Watts]) dB below the transmitter power P(Watts) in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.
☐ LTE Band 66	
☐ LTE Band 12	43 + 10log ₁₀ (P[Watts]) dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.
☐ LTE Band 17	
☐ LTE Band 13	43 + 10log ₁₀ (P[Watts]) dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed.
☐ LTE Band 14	(1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations. (2) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations. (3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least 43 + 10 log (P) dB. Compliance with the provisions of paragraph (3) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of 30 kHz may be employed.
☒ LTE Band 7	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 that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB

at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

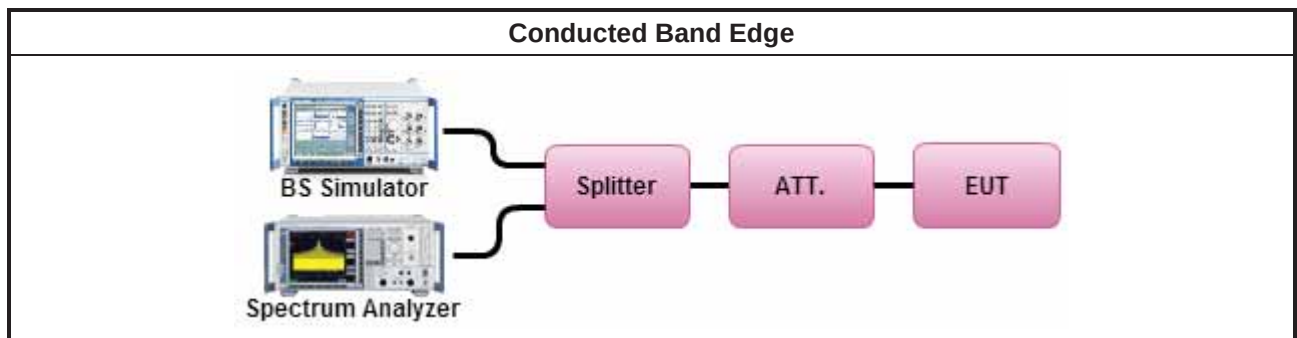
3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

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.

3.4.4 Test Setup



3.4.5 Test Result of Conducted Band Edge

Refer as Appendix D



3.5 Conducted Spurious Emission Measurement

3.5.1 Description of Conducted Spurious Emission Measurement

Conducted Band Edge	
☒ GSM 850 ☒ PCS 1900 ☒ WCDMA V ☒ WCDMA II ☐ WCDMA IV ☒ LTE Band 5 ☒ LTE Band 2 ☒ LTE Band 4 ☐ LTE Band 12 ☐ LTE Band 13 ☐ LTE Band 14 ☐ LTE Band 17 ☐ LTE Band 25 ☐ LTE Band 28 ☐ LTE Band 26 ☐ LTE Band 66	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.
☒ LTE Band 7	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 10 th harmonic.

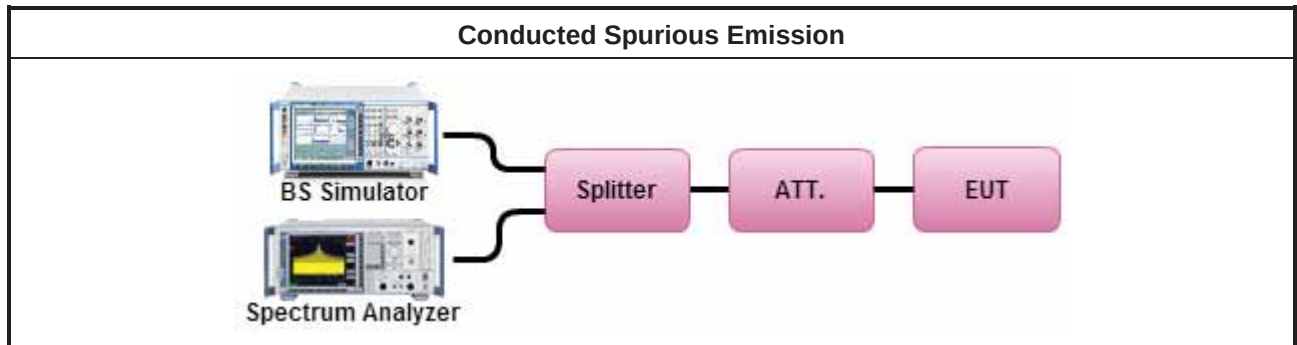
3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

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.

3.5.4 Test Setup



3.5.5 Test Result of Conducted Spurious Emission

Refer as Appendix D



3.6 Radiated Spurious Emission Measurement

3.6.1 Description of Radiated Spurious Emission Measurement

Radiated Spurious Emission	
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 $43 + 10 \log (P)$ dB.	
☐ LTE Band 12	Emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.
☐ LTE Band 13	

3.6.2 Measuring Instruments

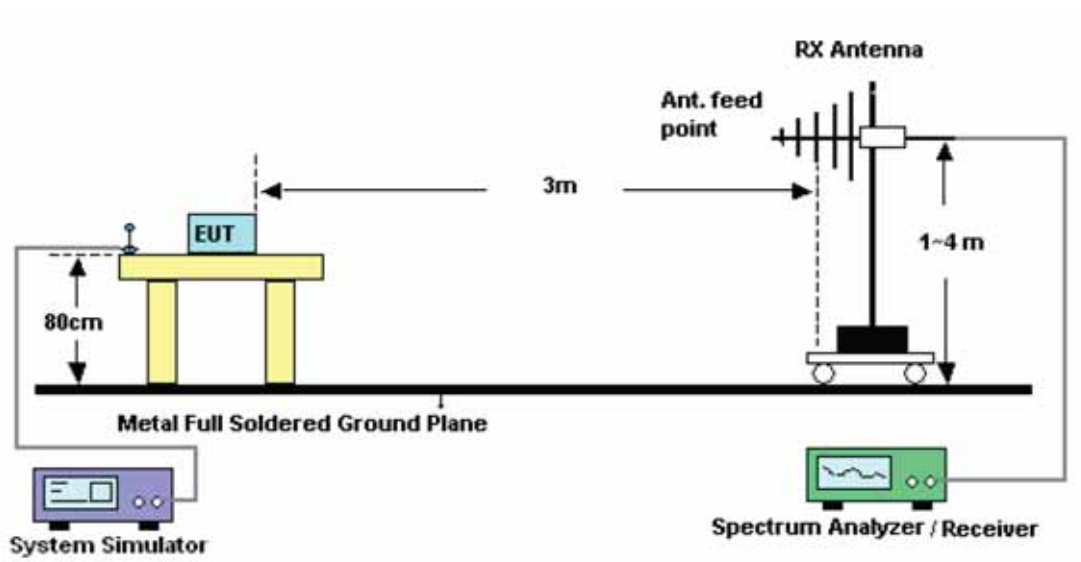
The measuring equipment is listed in the section 4 of this test report.

3.6.3 Test Procedures

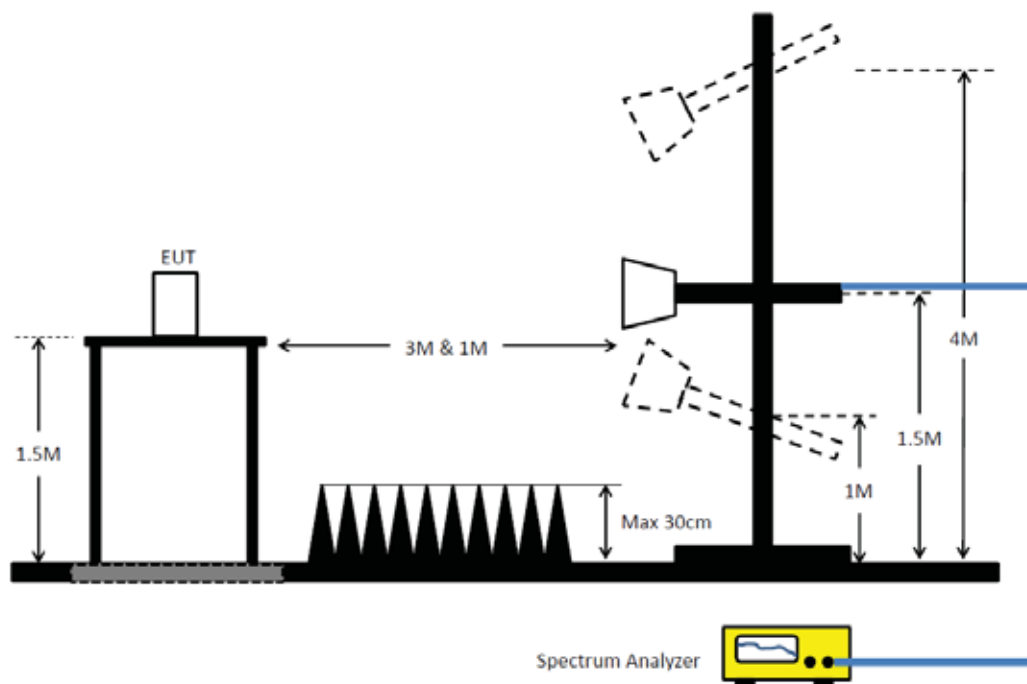
1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

3.6.4 Test Setup

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz





3.6.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor (if applicable) = Level.

3.6.6 Test Result of Radiated Spurious Emission

Refer as Appendix E



3.7 Frequency Stability Measurement

3.7.1 Description of Frequency Stability Measurement

Frequency Stability	
☒ GSM 850	Base Station: $\pm 1.5\text{ppm}$ Mobile Station: $\pm 2.5\text{ppm}$
☒ WCDMA V	
☒ LTE Band 5	
☒ LTE Band 7	
☒ PCS 1900	Within Authorized Band
☒ WCDMA II	
☒ LTE Band 2	
☒ LTE Band 4	
☐ LTE Band 12	
☐ LTE Band 13	
☐ LTE Band 17	
☐ LTE Band 25	
☐ LTE Band 66	
☐ LTE Band 14	$\pm 1.25\text{ppm}$
☐ LTE Band 26	$\pm 2.5\text{ppm}$
Note: The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block.	

3.7.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

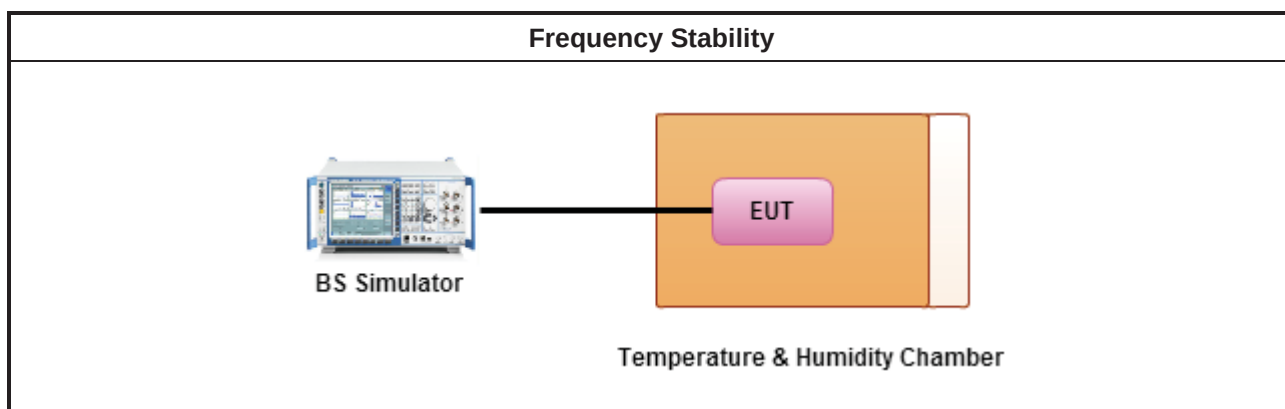
3.7.3 Test Procedures for Temperature Variation

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in -30°C steps up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.7.4 Test Procedures for Voltage Variation

1. The EUT was placed in a temperature chamber at $25 \pm 5^{\circ}\text{C}$ and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85 to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

3.7.5 Test Setup



3.7.6 Test Result of Frequency Stability

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10KHz ~ 40GHz	01/Oct/2019	30/Sep/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	11/Nov/2020
WIDEBAND ADIO COMMUNICATI ON TESTER	R&S	CMW 500	141962	70MHz~3.3GHz	11/Sep/2019	10/Sep/2020

**Instrument for Radiated Test**

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	04/Aug/2020	03/Aug/2021
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	02/Aug/2020	01/Aug/2021
Signal Analyzer	R&S	FSP40	100593	1GHz~26.5GHz	27/Feb/2020	26/Feb/2021
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	30/Jun/2020	29/Jun/2021
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~18GHz	16/Oct/2019	15/Oct/2020
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	28/Feb/2020	27/Feb/2021
Double Ridged Guide Horn Antenna	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	09/Jun/2020	08/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz~30MHz	20/Jun/2020	19/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB017	30MHz~1GHz	25/Mar/2020	24/Mar/2021
RF Cable-R03m	HUBER+ SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	08/Apr/2020	07/Apr/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	10/Mar/2020	09/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2020	15/Mar/2021
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	29/May/2020	28/May/2021
Double ridged Guide Horn Antenna	COM-POWER	AH-118	10094	1GHz~18GHz	08/Jul/2020	07/Jul/2021

**Summary**

Mode	Power (dBm)	Power (W)	EIRP/ERP (dBm)	EIRP (W)
850	-	-	-	-
GPRS_200kHz_Nss1,Multislot 1 up_1TX	32.42	1.746	32.77	1.89234
GPRS_200kHz_Nss1,Multislot 2 up_1TX	32.21	1.663	32.56	1.80302
GPRS_200kHz_Nss1,Multislot 3 up_1TX	29.84	0.964	30.19	1.04472
GPRS_200kHz_Nss1,Multislot 4 up_1TX	28.57	0.719	28.92	0.77983
EGPRS_200kHz_Nss1,Multislot 1 up_1TX	26.52	0.449	26.87	0.48641
EGPRS_200kHz_Nss1,Multislot 2 up_1TX	26.39	0.436	26.74	0.47206
EGPRS_200kHz_Nss1,Multislot 3 up_1TX	26.23	0.420	26.58	0.45499
EGPRS_200kHz_Nss1,Multislot 4 up_1TX	25.92	0.391	26.27	0.42364
1900	-	-	-	-
GPRS_200kHz_Nss1,Multislot 1 up_1TX	29.55	0.902	32.97	1.98153
GPRS_200kHz_Nss1,Multislot 2 up_1TX	29.43	0.877	32.85	1.92752
GPRS_200kHz_Nss1,Multislot 3 up_1TX	29.38	0.867	32.80	1.90546
GPRS_200kHz_Nss1,Multislot 4 up_1TX	29.38	0.867	32.80	1.90546
EGPRS_200kHz_Nss1,Multislot 1 up_1TX	26.51	0.448	29.93	0.98401
EGPRS_200kHz_Nss1,Multislot 2 up_1TX	26.44	0.441	29.86	0.96828
EGPRS_200kHz_Nss1,Multislot 3 up_1TX	26.11	0.408	29.53	0.89743
EGPRS_200kHz_Nss1,Multislot 4 up_1TX	24.81	0.303	28.23	0.66527

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	Power Lim. (W)	EIRP/ERP (dBm)	EIRP/ERP (W)	EIRP/ERP Lim. (W)
850	-	-	-	-	-	-	-	-	-
GPRS_200kHz_Multislot 1 up_824.2	Pass	2.50	32.42	32.42	1.746	Inf	32.77	1.89234	7
GPRS_200kHz_Multislot 2 up_824.2	Pass	2.50	32.21	32.21	1.663	Inf	32.56	1.80302	7
GPRS_200kHz_Multislot 3 up_824.2	Pass	2.50	29.84	29.84	0.964	Inf	30.19	1.04472	7
GPRS_200kHz_Multislot 4 up_824.2	Pass	2.50	28.38	28.38	0.689	Inf	28.73	0.74645	7
GPRS_200kHz_Multislot 1 up_836.4	Pass	2.50	32.39	32.39	1.734	Inf	32.74	1.87932	7
GPRS_200kHz_Multislot 2 up_836.4	Pass	2.50	32.16	32.16	1.644	Inf	32.51	1.78238	7
GPRS_200kHz_Multislot 3 up_836.4	Pass	2.50	29.81	29.81	0.957	Inf	30.16	1.03753	7
GPRS_200kHz_Multislot 4 up_836.4	Pass	2.50	28.57	28.57	0.719	Inf	28.92	0.77983	7
GPRS_200kHz_Multislot 1 up_848.8	Pass	2.50	32.30	32.30	1.698	Inf	32.65	1.84077	7
GPRS_200kHz_Multislot 2 up_848.8	Pass	2.50	32.04	32.04	1.600	Inf	32.39	1.73380	7
GPRS_200kHz_Multislot 3 up_848.8	Pass	2.50	29.75	29.75	0.944	Inf	30.10	1.02329	7
GPRS_200kHz_Multislot 4 up_848.8	Pass	2.50	28.35	28.35	0.684	Inf	28.70	0.74131	7
1900	-	-	-	-	-	-	-	-	-
GPRS_200kHz_Multislot 1 up_1850.2	Pass	3.42	29.52	29.52	0.895	Inf	32.94	1.96789	2
GPRS_200kHz_Multislot 2 up_1850.2	Pass	3.42	29.43	29.43	0.877	Inf	32.85	1.92752	2
GPRS_200kHz_Multislot 3 up_1850.2	Pass	3.42	29.26	29.26	0.843	Inf	32.68	1.85353	2
GPRS_200kHz_Multislot 4 up_1850.2	Pass	3.42	28.77	28.77	0.753	Inf	32.19	1.65577	2
GPRS_200kHz_Multislot 1 up_1880	Pass	3.42	29.55	29.55	0.902	Inf	32.97	1.98153	2
GPRS_200kHz_Multislot 2 up_1880	Pass	3.42	29.43	29.43	0.877	Inf	32.85	1.92752	2
GPRS_200kHz_Multislot 3 up_1880	Pass	3.42	29.26	29.26	0.843	Inf	32.68	1.85353	2
GPRS_200kHz_Multislot 4 up_1880	Pass	3.42	29.38	29.38	0.867	Inf	32.80	1.90546	2
GPRS_200kHz_Multislot 1 up_1909.8	Pass	3.42	29.26	29.26	0.843	Inf	32.68	1.85353	2
GPRS_200kHz_Multislot 2 up_1909.8	Pass	3.42	29.18	29.18	0.828	Inf	32.60	1.81970	2
GPRS_200kHz_Multislot 3 up_1909.8	Pass	3.42	29.38	29.38	0.867	Inf	32.80	1.90546	2
GPRS_200kHz_Multislot 4 up_1909.8	Pass	3.42	28.68	28.68	0.738	Inf	32.10	1.62181	2
850	-	-	-	-	-	-	-	-	-
EGPRS_200kHz_Multislot 1 up_824.2	Pass	2.50	26.52	26.52	0.449	Inf	26.87	0.48641	7
EGPRS_200kHz_Multislot 2 up_824.2	Pass	2.50	26.21	26.21	0.418	Inf	26.56	0.45290	7
EGPRS_200kHz_Multislot 3 up_824.2	Pass	2.50	26.09	26.09	0.406	Inf	26.44	0.44055	7
EGPRS_200kHz_Multislot 4 up_824.2	Pass	2.50	25.91	25.91	0.390	Inf	26.26	0.42267	7
EGPRS_200kHz_Multislot 1 up_836.4	Pass	2.50	26.40	26.40	0.437	Inf	26.75	0.47315	7
EGPRS_200kHz_Multislot 2 up_836.4	Pass	2.50	26.27	26.27	0.424	Inf	26.62	0.45920	7
EGPRS_200kHz_Multislot 3 up_836.4	Pass	2.50	26.23	26.23	0.420	Inf	26.58	0.45499	7
EGPRS_200kHz_Multislot 4 up_836.4	Pass	2.50	25.92	25.92	0.391	Inf	26.27	0.42364	7
EGPRS_200kHz_Multislot 1 up_848.8	Pass	2.50	26.52	26.52	0.449	Inf	26.87	0.48641	7
EGPRS_200kHz_Multislot 2 up_848.8	Pass	2.50	26.39	26.39	0.436	Inf	26.74	0.47206	7
EGPRS_200kHz_Multislot 3 up_848.8	Pass	2.50	26.22	26.22	0.419	Inf	26.57	0.45394	7
EGPRS_200kHz_Multislot 4 up_848.8	Pass	2.50	25.01	25.01	0.317	Inf	25.36	0.34356	7
1900	-	-	-	-	-	-	-	-	-
EGPRS_200kHz_Multislot 1 up_1850.2	Pass	3.42	26.48	26.48	0.445	Inf	29.90	0.97724	2
EGPRS_200kHz_Multislot 2 up_1850.2	Pass	3.42	26.24	26.24	0.421	Inf	29.66	0.92470	2
EGPRS_200kHz_Multislot 3 up_1850.2	Pass	3.42	26.07	26.07	0.405	Inf	29.49	0.88920	2
EGPRS_200kHz_Multislot 4 up_1850.2	Pass	3.42	24.74	24.74	0.298	Inf	28.16	0.65464	2
EGPRS_200kHz_Multislot 1 up_1880	Pass	3.42	26.49	26.49	0.446	Inf	29.91	0.97949	2
EGPRS_200kHz_Multislot 2 up_1880	Pass	3.42	26.21	26.21	0.418	Inf	29.63	0.91833	2
EGPRS_200kHz_Multislot 3 up_1880	Pass	3.42	26.11	26.11	0.408	Inf	29.53	0.89743	2
EGPRS_200kHz_Multislot 4 up_1880	Pass	3.42	24.81	24.81	0.303	Inf	28.23	0.66527	2



Average Power_2G

Appendix A.1

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	Power Lim. (W)	EIRP/ERP (dBm)	EIRP/ERP (W)	EIRP/ERP Lim. (W)
EGPRS_200kHz_Multislot 1 up_1909.8	Pass	3.42	26.51	26.51	0.448	Inf	29.93	0.98401	2
EGPRS_200kHz_Multislot 2 up_1909.8	Pass	3.42	26.44	26.44	0.441	Inf	29.86	0.96828	2
EGPRS_200kHz_Multislot 3 up_1909.8	Pass	3.42	25.37	25.37	0.344	Inf	28.79	0.75683	2
EGPRS_200kHz_Multislot 4 up_1909.8	Pass	3.42	24.29	24.29	0.269	Inf	27.71	0.59020	2

DG = Directional Gain; **Port n** = Port n output power

**Summary**

Mode	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)
Band 2	-	-	-	-
WCDMA_5MHz_Nss1_1TX	22.97	0.198	26.39	0.436
HSDPA_5MHz_Nss1,Subtest 1_1TX	21.89	0.155	25.31	0.340
HSDPA_5MHz_Nss1,Subtest 2_1TX	21.95	0.157	25.37	0.344
HSDPA_5MHz_Nss1,Subtest 3_1TX	21.52	0.142	24.94	0.312
HSDPA_5MHz_Nss1,Subtest 4_1TX	21.51	0.142	24.93	0.311
HSUPA_5MHz_Nss1,Subtest 1_1TX	21.59	0.144	25.01	0.317
HSUPA_5MHz_Nss1,Subtest 2_1TX	21.15	0.130	24.57	0.286
HSUPA_5MHz_Nss1,Subtest 3_1TX	21.63	0.146	25.05	0.320
HSUPA_5MHz_Nss1,Subtest 4_1TX	21.57	0.144	24.99	0.316
HSUPA_5MHz_Nss1,Subtest 5_1TX	21.52	0.142	24.94	0.312



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	Power Lim. (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
WCDMA_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-
1852.4MHz	Pass	3.42	22.88	22.88	0.194	Inf	26.30	0.427	2
1880MHz	Pass	3.42	22.97	22.97	0.198	Inf	26.39	0.436	2
1907.6MHz	Pass	3.42	22.81	22.81	0.191	Inf	26.23	0.420	2
HSDPA_5MHz_Nss1,Subtest 1_1TX	-	-	-	-	-	-	-	-	-
1852.4MHz	Pass	3.42	21.75	21.75	0.150	Inf	25.17	0.329	2
1880MHz	Pass	3.42	21.89	21.89	0.155	Inf	25.31	0.340	2
1907.6MHz	Pass	3.42	21.64	21.64	0.146	Inf	25.06	0.321	2
HSDPA_5MHz_Nss1,Subtest 2_1TX	-	-	-	-	-	-	-	-	-
1852.4MHz	Pass	3.42	21.79	21.79	0.151	Inf	25.21	0.332	2
1880MHz	Pass	3.42	21.95	21.95	0.157	Inf	25.37	0.344	2
1907.6MHz	Pass	3.42	21.74	21.74	0.149	Inf	25.16	0.328	2
HSDPA_5MHz_Nss1,Subtest 3_1TX	-	-	-	-	-	-	-	-	-
1852.4MHz	Pass	3.42	21.30	21.30	0.135	Inf	24.72	0.296	2
1880MHz	Pass	3.42	21.52	21.52	0.142	Inf	24.94	0.312	2
1907.6MHz	Pass	3.42	21.27	21.27	0.134	Inf	24.69	0.294	2
HSDPA_5MHz_Nss1,Subtest 4_1TX	-	-	-	-	-	-	-	-	-
1852.4MHz	Pass	3.42	21.33	21.33	0.136	Inf	24.75	0.299	2
1880MHz	Pass	3.42	21.51	21.51	0.142	Inf	24.93	0.311	2
1907.6MHz	Pass	3.42	21.25	21.25	0.133	Inf	24.67	0.293	2
HSUPA_5MHz_Nss1,Subtest 1_1TX	-	-	-	-	-	-	-	-	-
1852.4MHz	Pass	3.42	21.58	21.58	0.144	Inf	25.00	0.316	2
1880MHz	Pass	3.42	21.59	21.59	0.144	Inf	25.01	0.317	2
1907.6MHz	Pass	3.42	21.44	21.44	0.139	Inf	24.86	0.306	2
HSUPA_5MHz_Nss1,Subtest 2_1TX	-	-	-	-	-	-	-	-	-
1852.4MHz	Pass	3.42	21.04	21.04	0.127	Inf	24.46	0.279	2
1880MHz	Pass	3.42	21.15	21.15	0.130	Inf	24.57	0.286	2
1907.6MHz	Pass	3.42	20.81	20.81	0.121	Inf	24.23	0.265	2
HSUPA_5MHz_Nss1,Subtest 3_1TX	-	-	-	-	-	-	-	-	-
1852.4MHz	Pass	3.42	21.46	21.46	0.140	Inf	24.88	0.308	2
1880MHz	Pass	3.42	21.63	21.63	0.146	Inf	25.05	0.320	2
1907.6MHz	Pass	3.42	21.37	21.37	0.137	Inf	24.79	0.301	2
HSUPA_5MHz_Nss1,Subtest 4_1TX	-	-	-	-	-	-	-	-	-
1852.4MHz	Pass	3.42	21.46	21.46	0.140	Inf	24.88	0.308	2
1880MHz	Pass	3.42	21.57	21.57	0.144	Inf	24.99	0.316	2
1907.6MHz	Pass	3.42	21.35	21.35	0.136	Inf	24.77	0.300	2
HSUPA_5MHz_Nss1,Subtest 5_1TX	-	-	-	-	-	-	-	-	-
1852.4MHz	Pass	3.42	21.51	21.51	0.142	Inf	24.93	0.311	2
1880MHz	Pass	3.42	21.52	21.52	0.142	Inf	24.94	0.312	2
1907.6MHz	Pass	3.42	21.28	21.28	0.134	Inf	24.70	0.295	2

DG = Directional Gain; Port n = Port n output power

**Summary**

Mode	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)
Band 2	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	21.93	0.156	25.35	0.34277
LTE_3MHz_Nss1,QPSK_1TX	21.61	0.145	25.03	0.31842
LTE_5MHz_Nss1,QPSK_1TX	21.75	0.150	25.17	0.32885
LTE_10MHz_Nss1,QPSK_1TX	22.90	0.195	26.32	0.42855
LTE_15MHz_Nss1,QPSK_1TX	22.09	0.162	25.51	0.35563
LTE_20MHz_Nss1,QPSK_1TX	22.74	0.188	26.16	0.41305
LTE_1.4MHz_Nss1,16QAM_1TX	20.74	0.119	24.16	0.26062
LTE_3MHz_Nss1,16QAM_1TX	20.59	0.115	24.01	0.25177
LTE_5MHz_Nss1,16QAM_1TX	20.64	0.116	24.06	0.25468
LTE_10MHz_Nss1,16QAM_1TX	21.52	0.142	24.94	0.31189
LTE_15MHz_Nss1,16QAM_1TX	21.47	0.140	24.89	0.30832
LTE_20MHz_Nss1,16QAM_1TX	21.75	0.150	25.17	0.32885
Band 4	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	22.00	0.158	25.28	0.33729
LTE_3MHz_Nss1,QPSK_1TX	22.62	0.183	25.90	0.38905
LTE_5MHz_Nss1,QPSK_1TX	22.29	0.169	25.57	0.36058
LTE_10MHz_Nss1,QPSK_1TX	22.28	0.169	25.56	0.35975
LTE_15MHz_Nss1,QPSK_1TX	22.08	0.161	25.36	0.34356
LTE_20MHz_Nss1,QPSK_1TX	22.45	0.176	25.73	0.37411
LTE_1.4MHz_Nss1,16QAM_1TX	22.14	0.164	25.42	0.34834
LTE_3MHz_Nss1,16QAM_1TX	22.04	0.160	25.32	0.34041
LTE_5MHz_Nss1,16QAM_1TX	22.34	0.171	25.62	0.36475
LTE_10MHz_Nss1,16QAM_1TX	21.47	0.140	24.75	0.29854
LTE_15MHz_Nss1,16QAM_1TX	21.45	0.140	24.73	0.29717
LTE_20MHz_Nss1,16QAM_1TX	21.50	0.141	24.78	0.30061
Band 7	-	-	-	-
LTE_5MHz_Nss1,QPSK_1TX	22.84	0.192	26.64	0.46132
LTE_10MHz_Nss1,QPSK_1TX	22.33	0.171	26.13	0.41020
LTE_15MHz_Nss1,QPSK_1TX	22.25	0.168	26.05	0.40272
LTE_20MHz_Nss1,QPSK_1TX	22.58	0.181	26.38	0.43451
LTE_5MHz_Nss1,16QAM_1TX	21.05	0.127	24.85	0.30549
LTE_10MHz_Nss1,16QAM_1TX	21.29	0.135	25.09	0.32285
LTE_15MHz_Nss1,16QAM_1TX	21.57	0.144	25.37	0.34435
LTE_20MHz_Nss1,16QAM_1TX	21.44	0.139	25.24	0.33420

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	Power Lim. (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
Band 2_LTE_1.4MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
1850.7MHz_RB 6,#RB 0	Pass	3.42	20.74	20.74	0.119	Inf	24.16	0.26062	2
1850.7MHz_RB 1,#RB L	Pass	3.42	21.62	21.62	0.145	Inf	25.04	0.31915	2
1850.7MHz_RB 1,#RB M	Pass	3.42	21.82	21.82	0.152	Inf	25.24	0.33420	2
1850.7MHz_RB 1,#RB H	Pass	3.42	21.62	21.62	0.145	Inf	25.04	0.31915	2
1850.7MHz_RB 3,#RB L	Pass	3.42	21.93	21.93	0.156	Inf	25.35	0.34277	2
1850.7MHz_RB 3,#RB M	Pass	3.42	21.68	21.68	0.147	Inf	25.10	0.32359	2
1850.7MHz_RB 3,#RB H	Pass	3.42	21.74	21.74	0.149	Inf	25.16	0.32810	2
1880MHz_RB 6,#RB 0	Pass	3.42	20.62	20.62	0.115	Inf	24.04	0.25351	2
1880MHz_RB 1,#RB L	Pass	3.42	21.58	21.58	0.144	Inf	25.00	0.31623	2
1880MHz_RB 1,#RB M	Pass	3.42	21.64	21.64	0.146	Inf	25.06	0.32063	2
1880MHz_RB 1,#RB H	Pass	3.42	21.60	21.60	0.145	Inf	25.02	0.31769	2
1880MHz_RB 3,#RB L	Pass	3.42	21.36	21.36	0.137	Inf	24.78	0.30061	2
1880MHz_RB 3,#RB M	Pass	3.42	21.50	21.50	0.141	Inf	24.92	0.31046	2
1880MHz_RB 3,#RB H	Pass	3.42	21.35	21.35	0.136	Inf	24.77	0.29992	2
1909.3MHz_RB 6,#RB 0	Pass	3.42	20.37	20.37	0.109	Inf	23.79	0.23933	2
1909.3MHz_RB 1,#RB L	Pass	3.42	21.32	21.32	0.136	Inf	24.74	0.29785	2
1909.3MHz_RB 1,#RB M	Pass	3.42	21.39	21.39	0.138	Inf	24.81	0.30269	2
1909.3MHz_RB 1,#RB H	Pass	3.42	21.18	21.18	0.131	Inf	24.60	0.28840	2
1909.3MHz_RB 3,#RB L	Pass	3.42	21.25	21.25	0.133	Inf	24.67	0.29309	2
1909.3MHz_RB 3,#RB M	Pass	3.42	21.26	21.26	0.134	Inf	24.68	0.29376	2
1909.3MHz_RB 3,#RB H	Pass	3.42	21.18	21.18	0.131	Inf	24.60	0.28840	2
Band 2_LTE_3MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
1851.5MHz_RB 15,#RB 0	Pass	3.42	20.63	20.63	0.116	Inf	24.05	0.25410	2
1851.5MHz_RB 1,#RB L	Pass	3.42	21.32	21.32	0.136	Inf	24.74	0.29785	2
1851.5MHz_RB 1,#RB M	Pass	3.42	21.61	21.61	0.145	Inf	25.03	0.31842	2
1851.5MHz_RB 1,#RB H	Pass	3.42	21.49	21.49	0.141	Inf	24.91	0.30974	2
1851.5MHz_RB 8,#RB L	Pass	3.42	20.66	20.66	0.116	Inf	24.08	0.25586	2
1851.5MHz_RB 8,#RB M	Pass	3.42	20.64	20.64	0.116	Inf	24.06	0.25468	2
1851.5MHz_RB 8,#RB H	Pass	3.42	20.49	20.49	0.112	Inf	23.91	0.24604	2
1880MHz_RB 15,#RB 0	Pass	3.42	20.44	20.44	0.111	Inf	23.86	0.24322	2
1880MHz_RB 1,#RB L	Pass	3.42	21.35	21.35	0.136	Inf	24.77	0.29992	2
1880MHz_RB 1,#RB M	Pass	3.42	21.53	21.53	0.142	Inf	24.95	0.31261	2
1880MHz_RB 1,#RB H	Pass	3.42	21.30	21.30	0.135	Inf	24.72	0.29648	2
1880MHz_RB 8,#RB L	Pass	3.42	20.37	20.37	0.109	Inf	23.79	0.23933	2
1880MHz_RB 8,#RB M	Pass	3.42	20.41	20.41	0.110	Inf	23.83	0.24155	2
1880MHz_RB 8,#RB H	Pass	3.42	20.49	20.49	0.112	Inf	23.91	0.24604	2
1908.5MHz_RB 15,#RB 0	Pass	3.42	20.34	20.34	0.108	Inf	23.76	0.23768	2
1908.5MHz_RB 1,#RB L	Pass	3.42	21.15	21.15	0.130	Inf	24.57	0.28642	2
1908.5MHz_RB 1,#RB M	Pass	3.42	21.38	21.38	0.137	Inf	24.80	0.30200	2
1908.5MHz_RB 1,#RB H	Pass	3.42	21.44	21.44	0.139	Inf	24.86	0.30620	2
1908.5MHz_RB 8,#RB L	Pass	3.42	20.29	20.29	0.107	Inf	23.71	0.23496	2
1908.5MHz_RB 8,#RB M	Pass	3.42	20.28	20.28	0.107	Inf	23.70	0.23442	2
1908.5MHz_RB 8,#RB H	Pass	3.42	20.17	20.17	0.104	Inf	23.59	0.22856	2
Band 2_LTE_5MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
1852.5MHz_RB 25,#RB 0	Pass	3.42	20.66	20.66	0.116	Inf	24.08	0.25586	2
1852.5MHz_RB 1,#RB L	Pass	3.42	21.42	21.42	0.139	Inf	24.84	0.30479	2
1852.5MHz_RB 1,#RB M	Pass	3.42	21.75	21.75	0.150	Inf	25.17	0.32885	2



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Appendix A.3

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	Power Lim. (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1852.5MHz_RB 1,#RB H	Pass	3.42	21.50	21.50	0.141	Inf	24.92	0.31046	2
1852.5MHz_RB 12,#RB L	Pass	3.42	20.63	20.63	0.116	Inf	24.05	0.25410	2
1852.5MHz_RB 12,#RB M	Pass	3.42	20.59	20.59	0.115	Inf	24.01	0.25177	2
1852.5MHz_RB 12,#RB H	Pass	3.42	20.56	20.56	0.114	Inf	23.98	0.25003	2
1880MHz_RB 25,#RB 0	Pass	3.42	20.22	20.22	0.105	Inf	23.64	0.23121	2
1880MHz_RB 1,#RB L	Pass	3.42	21.30	21.30	0.135	Inf	24.72	0.29648	2
1880MHz_RB 1,#RB M	Pass	3.42	21.50	21.50	0.141	Inf	24.92	0.31046	2
1880MHz_RB 1,#RB H	Pass	3.42	21.30	21.30	0.135	Inf	24.72	0.29648	2
1880MHz_RB 12,#RB L	Pass	3.42	20.27	20.27	0.106	Inf	23.69	0.23388	2
1880MHz_RB 12,#RB M	Pass	3.42	20.38	20.38	0.109	Inf	23.80	0.23988	2
1880MHz_RB 12,#RB H	Pass	3.42	20.41	20.41	0.110	Inf	23.83	0.24155	2
1907.5MHz_RB 25,#RB 0	Pass	3.42	20.33	20.33	0.108	Inf	23.75	0.23714	2
1907.5MHz_RB 1,#RB L	Pass	3.42	21.30	21.30	0.135	Inf	24.72	0.29648	2
1907.5MHz_RB 1,#RB M	Pass	3.42	21.43	21.43	0.139	Inf	24.85	0.30549	2
1907.5MHz_RB 1,#RB H	Pass	3.42	21.15	21.15	0.130	Inf	24.57	0.28642	2
1907.5MHz_RB 12,#RB L	Pass	3.42	20.31	20.31	0.107	Inf	23.73	0.23605	2
1907.5MHz_RB 12,#RB M	Pass	3.42	20.29	20.29	0.107	Inf	23.71	0.23496	2
1907.5MHz_RB 12,#RB H	Pass	3.42	20.17	20.17	0.104	Inf	23.59	0.22856	2
Band 2_LTE_10MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
1855MHz_RB 50,#RB 0	Pass	3.42	21.54	21.54	0.143	Inf	24.96	0.31333	2
1855MHz_RB 1,#RB L	Pass	3.42	22.89	22.89	0.195	Inf	26.31	0.42756	2
1855MHz_RB 1,#RB M	Pass	3.42	22.90	22.90	0.195	Inf	26.32	0.42855	2
1855MHz_RB 1,#RB H	Pass	3.42	22.16	22.16	0.164	Inf	25.58	0.36141	2
1855MHz_RB 25,#RB L	Pass	3.42	21.02	21.02	0.126	Inf	24.44	0.27797	2
1855MHz_RB 25,#RB M	Pass	3.42	20.84	20.84	0.121	Inf	24.26	0.26669	2
1855MHz_RB 25,#RB H	Pass	3.42	20.89	20.89	0.123	Inf	24.31	0.26977	2
1880MHz_RB 50,#RB 0	Pass	3.42	21.39	21.39	0.138	Inf	24.81	0.30269	2
1880MHz_RB 1,#RB L	Pass	3.42	22.31	22.31	0.170	Inf	25.73	0.37411	2
1880MHz_RB 1,#RB M	Pass	3.42	22.60	22.60	0.182	Inf	26.02	0.39994	2
1880MHz_RB 1,#RB H	Pass	3.42	22.19	22.19	0.166	Inf	25.61	0.36392	2
1880MHz_RB 25,#RB L	Pass	3.42	20.92	20.92	0.124	Inf	24.34	0.27164	2
1880MHz_RB 25,#RB M	Pass	3.42	20.74	20.74	0.119	Inf	24.16	0.26062	2
1880MHz_RB 25,#RB H	Pass	3.42	20.75	20.75	0.119	Inf	24.17	0.26122	2
1905MHz_RB 50,#RB 0	Pass	3.42	20.93	20.93	0.124	Inf	24.35	0.27227	2
1905MHz_RB 1,#RB L	Pass	3.42	22.36	22.36	0.172	Inf	25.78	0.37844	2
1905MHz_RB 1,#RB M	Pass	3.42	22.43	22.43	0.175	Inf	25.85	0.38459	2
1905MHz_RB 1,#RB H	Pass	3.42	21.97	21.97	0.157	Inf	25.39	0.34594	2
1905MHz_RB 25,#RB L	Pass	3.42	20.81	20.81	0.121	Inf	24.23	0.26485	2
1905MHz_RB 25,#RB M	Pass	3.42	20.70	20.70	0.117	Inf	24.12	0.25823	2
1905MHz_RB 25,#RB H	Pass	3.42	20.63	20.63	0.116	Inf	24.05	0.25410	2
Band 2_LTE_15MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
1857.5MHz_RB 75,#RB 0	Pass	3.42	21.50	21.50	0.141	Inf	24.92	0.31046	2
1857.5MHz_RB 1,#RB L	Pass	3.42	21.88	21.88	0.154	Inf	25.30	0.33884	2
1857.5MHz_RB 1,#RB M	Pass	3.42	22.09	22.09	0.162	Inf	25.51	0.35563	2
1857.5MHz_RB 1,#RB H	Pass	3.42	21.90	21.90	0.155	Inf	25.32	0.34041	2
1857.5MHz_RB 36,#RB L	Pass	3.42	20.67	20.67	0.117	Inf	24.09	0.25645	2
1857.5MHz_RB 36,#RB M	Pass	3.42	20.82	20.82	0.121	Inf	24.24	0.26546	2
1857.5MHz_RB 36,#RB H	Pass	3.42	20.81	20.81	0.121	Inf	24.23	0.26485	2
1880MHz_RB 75,#RB 0	Pass	3.42	21.16	21.16	0.131	Inf	24.58	0.28708	2



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Appendix A.3

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	Power Lim. (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1880MHz_RB 1,#RB L	Pass	3.42	21.99	21.99	0.158	Inf	25.41	0.34754	2
1880MHz_RB 1,#RB M	Pass	3.42	21.76	21.76	0.150	Inf	25.18	0.32961	2
1880MHz_RB 1,#RB H	Pass	3.42	21.68	21.68	0.147	Inf	25.10	0.32359	2
1880MHz_RB 36,#RB L	Pass	3.42	20.68	20.68	0.117	Inf	24.10	0.25704	2
1880MHz_RB 36,#RB M	Pass	3.42	20.89	20.89	0.123	Inf	24.31	0.26977	2
1880MHz_RB 36,#RB H	Pass	3.42	20.74	20.74	0.119	Inf	24.16	0.26062	2
1902.5MHz_RB 75,#RB 0	Pass	3.42	20.74	20.74	0.119	Inf	24.16	0.26062	2
1902.5MHz_RB 1,#RB L	Pass	3.42	21.80	21.80	0.151	Inf	25.22	0.33266	2
1902.5MHz_RB 1,#RB M	Pass	3.42	21.84	21.84	0.153	Inf	25.26	0.33574	2
1902.5MHz_RB 1,#RB H	Pass	3.42	21.67	21.67	0.147	Inf	25.09	0.32285	2
1902.5MHz_RB 36,#RB L	Pass	3.42	20.60	20.60	0.115	Inf	24.02	0.25235	2
1902.5MHz_RB 36,#RB M	Pass	3.42	20.52	20.52	0.113	Inf	23.94	0.24774	2
1902.5MHz_RB 36,#RB H	Pass	3.42	20.56	20.56	0.114	Inf	23.98	0.25003	2
Band 2_LTE_20MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
1860MHz_RB 100,#RB 0	Pass	3.42	21.41	21.41	0.138	Inf	24.83	0.30409	2
1860MHz_RB 1,#RB L	Pass	3.42	22.29	22.29	0.169	Inf	25.71	0.37239	2
1860MHz_RB 1,#RB M	Pass	3.42	22.74	22.74	0.188	Inf	26.16	0.41305	2
1860MHz_RB 1,#RB H	Pass	3.42	21.86	21.86	0.153	Inf	25.28	0.33729	2
1860MHz_RB 50,#RB L	Pass	3.42	21.06	21.06	0.128	Inf	24.48	0.28054	2
1860MHz_RB 50,#RB M	Pass	3.42	20.94	20.94	0.124	Inf	24.36	0.27290	2
1860MHz_RB 50,#RB H	Pass	3.42	20.78	20.78	0.120	Inf	24.20	0.26303	2
1880MHz_RB 100,#RB 0	Pass	3.42	21.47	21.47	0.140	Inf	24.89	0.30832	2
1880MHz_RB 1,#RB L	Pass	3.42	22.16	22.16	0.164	Inf	25.58	0.36141	2
1880MHz_RB 1,#RB M	Pass	3.42	22.38	22.38	0.173	Inf	25.80	0.38019	2
1880MHz_RB 1,#RB H	Pass	3.42	22.11	22.11	0.163	Inf	25.53	0.35727	2
1880MHz_RB 50,#RB L	Pass	3.42	20.85	20.85	0.122	Inf	24.27	0.26730	2
1880MHz_RB 50,#RB M	Pass	3.42	20.85	20.85	0.122	Inf	24.27	0.26730	2
1880MHz_RB 50,#RB H	Pass	3.42	20.86	20.86	0.122	Inf	24.28	0.26792	2
1900MHz_RB 100,#RB 0	Pass	3.42	21.29	21.29	0.135	Inf	24.71	0.29580	2
1900MHz_RB 1,#RB L	Pass	3.42	22.37	22.37	0.173	Inf	25.79	0.37931	2
1900MHz_RB 1,#RB M	Pass	3.42	22.10	22.10	0.162	Inf	25.52	0.35645	2
1900MHz_RB 1,#RB H	Pass	3.42	21.80	21.80	0.151	Inf	25.22	0.33266	2
1900MHz_RB 50,#RB L	Pass	3.42	20.71	20.71	0.118	Inf	24.13	0.25882	2
1900MHz_RB 50,#RB M	Pass	3.42	20.78	20.78	0.120	Inf	24.20	0.26303	2
1900MHz_RB 50,#RB H	Pass	3.42	20.75	20.75	0.119	Inf	24.17	0.26122	2
Band 2_LTE_1.4MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
1850.7MHz_RB 6,#RB 0	Pass	3.42	19.63	19.63	0.092	Inf	23.05	0.20184	2
1850.7MHz_RB 1,#RB L	Pass	3.42	20.51	20.51	0.112	Inf	23.93	0.24717	2
1850.7MHz_RB 1,#RB M	Pass	3.42	20.60	20.60	0.115	Inf	24.02	0.25235	2
1850.7MHz_RB 1,#RB H	Pass	3.42	20.61	20.61	0.115	Inf	24.03	0.25293	2
1850.7MHz_RB 3,#RB L	Pass	3.42	20.74	20.74	0.119	Inf	24.16	0.26062	2
1850.7MHz_RB 3,#RB M	Pass	3.42	20.71	20.71	0.118	Inf	24.13	0.25882	2
1850.7MHz_RB 3,#RB H	Pass	3.42	20.61	20.61	0.115	Inf	24.03	0.25293	2
1880MHz_RB 6,#RB 0	Pass	3.42	19.55	19.55	0.090	Inf	22.97	0.19815	2
1880MHz_RB 1,#RB L	Pass	3.42	20.17	20.17	0.104	Inf	23.59	0.22856	2
1880MHz_RB 1,#RB M	Pass	3.42	20.39	20.39	0.109	Inf	23.81	0.24044	2
1880MHz_RB 1,#RB H	Pass	3.42	20.33	20.33	0.108	Inf	23.75	0.23714	2
1880MHz_RB 3,#RB L	Pass	3.42	20.60	20.60	0.115	Inf	24.02	0.25235	2
1880MHz_RB 3,#RB M	Pass	3.42	20.47	20.47	0.111	Inf	23.89	0.24491	2



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Appendix A.3

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	Power Lim. (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1880MHz_RB 3,#RB H	Pass	3.42	20.67	20.67	0.117	Inf	24.09	0.25645	2
1909.3MHz_RB 6,#RB O	Pass	3.42	19.46	19.46	0.088	Inf	22.88	0.19409	2
1909.3MHz_RB 1,#RB L	Pass	3.42	20.09	20.09	0.102	Inf	23.51	0.22439	2
1909.3MHz_RB 1,#RB M	Pass	3.42	20.16	20.16	0.104	Inf	23.58	0.22803	2
1909.3MHz_RB 1,#RB H	Pass	3.42	19.95	19.95	0.099	Inf	23.37	0.21727	2
1909.3MHz_RB 3,#RB L	Pass	3.42	20.19	20.19	0.104	Inf	23.61	0.22961	2
1909.3MHz_RB 3,#RB M	Pass	3.42	20.29	20.29	0.107	Inf	23.71	0.23496	2
1909.3MHz_RB 3,#RB H	Pass	3.42	20.37	20.37	0.109	Inf	23.79	0.23933	2
Band 2_LTE_3MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
1851.5MHz_RB 15,#RB O	Pass	3.42	19.49	19.49	0.089	Inf	22.91	0.19543	2
1851.5MHz_RB 1,#RB L	Pass	3.42	20.51	20.51	0.112	Inf	23.93	0.24717	2
1851.5MHz_RB 1,#RB M	Pass	3.42	20.59	20.59	0.115	Inf	24.01	0.25177	2
1851.5MHz_RB 1,#RB H	Pass	3.42	20.31	20.31	0.107	Inf	23.73	0.23605	2
1851.5MHz_RB 8,#RB L	Pass	3.42	19.64	19.64	0.092	Inf	23.06	0.20230	2
1851.5MHz_RB 8,#RB M	Pass	3.42	19.59	19.59	0.091	Inf	23.01	0.19999	2
1851.5MHz_RB 8,#RB H	Pass	3.42	19.57	19.57	0.091	Inf	22.99	0.19907	2
1880MHz_RB 15,#RB O	Pass	3.42	19.36	19.36	0.086	Inf	22.78	0.18967	2
1880MHz_RB 1,#RB L	Pass	3.42	20.13	20.13	0.103	Inf	23.55	0.22646	2
1880MHz_RB 1,#RB M	Pass	3.42	20.46	20.46	0.111	Inf	23.88	0.24434	2
1880MHz_RB 1,#RB H	Pass	3.42	20.37	20.37	0.109	Inf	23.79	0.23933	2
1880MHz_RB 8,#RB L	Pass	3.42	19.38	19.38	0.087	Inf	22.80	0.19055	2
1880MHz_RB 8,#RB M	Pass	3.42	19.40	19.40	0.087	Inf	22.82	0.19143	2
1880MHz_RB 8,#RB H	Pass	3.42	19.36	19.36	0.086	Inf	22.78	0.18967	2
1908.5MHz_RB 15,#RB O	Pass	3.42	19.38	19.38	0.087	Inf	22.80	0.19055	2
1908.5MHz_RB 1,#RB L	Pass	3.42	20.17	20.17	0.104	Inf	23.59	0.22856	2
1908.5MHz_RB 1,#RB M	Pass	3.42	20.15	20.15	0.104	Inf	23.57	0.22751	2
1908.5MHz_RB 1,#RB H	Pass	3.42	20.09	20.09	0.102	Inf	23.51	0.22439	2
1908.5MHz_RB 8,#RB L	Pass	3.42	19.16	19.16	0.082	Inf	22.58	0.18113	2
1908.5MHz_RB 8,#RB M	Pass	3.42	19.17	19.17	0.083	Inf	22.59	0.18155	2
1908.5MHz_RB 8,#RB H	Pass	3.42	19.30	19.30	0.085	Inf	22.72	0.18707	2
Band 2_LTE_5MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
1852.5MHz_RB 25,#RB O	Pass	3.42	19.62	19.62	0.092	Inf	23.04	0.20137	2
1852.5MHz_RB 1,#RB L	Pass	3.42	20.31	20.31	0.107	Inf	23.73	0.23605	2
1852.5MHz_RB 1,#RB M	Pass	3.42	20.64	20.64	0.116	Inf	24.06	0.25468	2
1852.5MHz_RB 1,#RB H	Pass	3.42	20.18	20.18	0.104	Inf	23.60	0.22909	2
1852.5MHz_RB 12,#RB L	Pass	3.42	19.60	19.60	0.091	Inf	23.02	0.20045	2
1852.5MHz_RB 12,#RB M	Pass	3.42	19.48	19.48	0.089	Inf	22.90	0.19498	2
1852.5MHz_RB 12,#RB H	Pass	3.42	19.63	19.63	0.092	Inf	23.05	0.20184	2
1880MHz_RB 25,#RB O	Pass	3.42	19.35	19.35	0.086	Inf	22.77	0.18923	2
1880MHz_RB 1,#RB L	Pass	3.42	20.21	20.21	0.105	Inf	23.63	0.23067	2
1880MHz_RB 1,#RB M	Pass	3.42	20.18	20.18	0.104	Inf	23.60	0.22909	2
1880MHz_RB 1,#RB H	Pass	3.42	20.13	20.13	0.103	Inf	23.55	0.22646	2
1880MHz_RB 12,#RB L	Pass	3.42	19.37	19.37	0.086	Inf	22.79	0.19011	2
1880MHz_RB 12,#RB M	Pass	3.42	19.30	19.30	0.085	Inf	22.72	0.18707	2
1880MHz_RB 12,#RB H	Pass	3.42	19.40	19.40	0.087	Inf	22.82	0.19143	2
1907.5MHz_RB 25,#RB O	Pass	3.42	19.38	19.38	0.087	Inf	22.80	0.19055	2
1907.5MHz_RB 1,#RB L	Pass	3.42	20.07	20.07	0.102	Inf	23.49	0.22336	2
1907.5MHz_RB 1,#RB M	Pass	3.42	20.21	20.21	0.105	Inf	23.63	0.23067	2
1907.5MHz_RB 1,#RB H	Pass	3.42	19.91	19.91	0.098	Inf	23.33	0.21528	2



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Appendix A.3

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	Power Lim. (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1907.5MHz_RB 12,#RB L	Pass	3.42	19.18	19.18	0.083	Inf	22.60	0.18197	2
1907.5MHz_RB 12,#RB M	Pass	3.42	19.25	19.25	0.084	Inf	22.67	0.18493	2
1907.5MHz_RB 12,#RB H	Pass	3.42	19.19	19.19	0.083	Inf	22.61	0.18239	2
Band 2_LTE_10MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
1855MHz_RB 1,#RB L	Pass	3.42	21.31	21.31	0.135	Inf	24.73	0.29717	2
1855MHz_RB 1,#RB M	Pass	3.42	21.43	21.43	0.139	Inf	24.85	0.30549	2
1855MHz_RB 1,#RB H	Pass	3.42	21.50	21.50	0.141	Inf	24.92	0.31046	2
1855MHz_RB 25,#RB L	Pass	3.42	20.50	20.50	0.112	Inf	23.92	0.24660	2
1855MHz_RB 25,#RB M	Pass	3.42	20.52	20.52	0.113	Inf	23.94	0.24774	2
1855MHz_RB 25,#RB H	Pass	3.42	20.53	20.53	0.113	Inf	23.95	0.24831	2
1880MHz_RB 1,#RB L	Pass	3.42	21.41	21.41	0.138	Inf	24.83	0.30409	2
1880MHz_RB 1,#RB M	Pass	3.42	21.45	21.45	0.140	Inf	24.87	0.30690	2
1880MHz_RB 1,#RB H	Pass	3.42	21.52	21.52	0.142	Inf	24.94	0.31189	2
1880MHz_RB 25,#RB L	Pass	3.42	20.59	20.59	0.115	Inf	24.01	0.25177	2
1880MHz_RB 25,#RB M	Pass	3.42	20.47	20.47	0.111	Inf	23.89	0.24491	2
1880MHz_RB 25,#RB H	Pass	3.42	20.44	20.44	0.111	Inf	23.86	0.24322	2
1905MHz_RB 1,#RB L	Pass	3.42	21.06	21.06	0.128	Inf	24.48	0.28054	2
1905MHz_RB 1,#RB M	Pass	3.42	21.24	21.24	0.133	Inf	24.66	0.29242	2
1905MHz_RB 1,#RB H	Pass	3.42	20.99	20.99	0.126	Inf	24.41	0.27606	2
1905MHz_RB 25,#RB L	Pass	3.42	20.60	20.60	0.115	Inf	24.02	0.25235	2
1905MHz_RB 25,#RB M	Pass	3.42	20.34	20.34	0.108	Inf	23.76	0.23768	2
1905MHz_RB 25,#RB H	Pass	3.42	20.24	20.24	0.106	Inf	23.66	0.23227	2
Band 2_LTE_15MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
1857.5MHz_RB 1,#RB L	Pass	3.42	21.47	21.47	0.140	Inf	24.89	0.30832	2
1857.5MHz_RB 1,#RB M	Pass	3.42	21.23	21.23	0.133	Inf	24.65	0.29174	2
1857.5MHz_RB 1,#RB H	Pass	3.42	21.30	21.30	0.135	Inf	24.72	0.29648	2
1880MHz_RB 1,#RB L	Pass	3.42	21.20	21.20	0.132	Inf	24.62	0.28973	2
1880MHz_RB 1,#RB M	Pass	3.42	21.04	21.04	0.127	Inf	24.46	0.27925	2
1880MHz_RB 1,#RB H	Pass	3.42	21.16	21.16	0.131	Inf	24.58	0.28708	2
1902.5MHz_RB 1,#RB L	Pass	3.42	21.05	21.05	0.127	Inf	24.47	0.27990	2
1902.5MHz_RB 1,#RB M	Pass	3.42	21.04	21.04	0.127	Inf	24.46	0.27925	2
1902.5MHz_RB 1,#RB H	Pass	3.42	20.97	20.97	0.125	Inf	24.39	0.27479	2
Band 2_LTE_20MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
1860MHz_RB 1,#RB L	Pass	3.42	21.05	21.05	0.127	Inf	24.47	0.27990	2
1860MHz_RB 1,#RB M	Pass	3.42	21.25	21.25	0.133	Inf	24.67	0.29309	2
1860MHz_RB 1,#RB H	Pass	3.42	20.87	20.87	0.122	Inf	24.29	0.26853	2
1880MHz_RB 1,#RB L	Pass	3.42	21.29	21.29	0.135	Inf	24.71	0.29580	2
1880MHz_RB 1,#RB M	Pass	3.42	21.17	21.17	0.131	Inf	24.59	0.28774	2
1880MHz_RB 1,#RB H	Pass	3.42	21.03	21.03	0.127	Inf	24.45	0.27861	2
1900MHz_RB 1,#RB L	Pass	3.42	21.10	21.10	0.129	Inf	24.52	0.28314	2
1900MHz_RB 1,#RB M	Pass	3.42	21.75	21.75	0.150	Inf	25.17	0.32885	2
1900MHz_RB 1,#RB H	Pass	3.42	20.95	20.95	0.124	Inf	24.37	0.27353	2
Band 4_LTE_1.4MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
1710.7MHz_RB 6,#RB 0	Pass	3.28	21.27	21.27	0.134	Inf	24.55	0.28510	1
1710.7MHz_RB 1,#RB L	Pass	3.28	21.86	21.86	0.153	Inf	25.14	0.32659	1
1710.7MHz_RB 1,#RB M	Pass	3.28	21.91	21.91	0.155	Inf	25.19	0.33037	1
1710.7MHz_RB 1,#RB H	Pass	3.28	21.88	21.88	0.154	Inf	25.16	0.32810	1
1710.7MHz_RB 3,#RB L	Pass	3.28	21.83	21.83	0.152	Inf	25.11	0.32434	1
1710.7MHz_RB 3,#RB M	Pass	3.28	21.87	21.87	0.154	Inf	25.15	0.32734	1



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Appendix A.3

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	Power Lim. (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1710.7MHz_RB 3,#RB H	Pass	3.28	21.92	21.92	0.156	Inf	25.20	0.33113	1
1732.5MHz_RB 6,#RB 0	Pass	3.28	21.16	21.16	0.131	Inf	24.44	0.27797	1
1732.5MHz_RB 1,#RB L	Pass	3.28	21.95	21.95	0.157	Inf	25.23	0.33343	1
1732.5MHz_RB 1,#RB M	Pass	3.28	21.86	21.86	0.153	Inf	25.14	0.32659	1
1732.5MHz_RB 1,#RB H	Pass	3.28	21.87	21.87	0.154	Inf	25.15	0.32734	1
1732.5MHz_RB 3,#RB L	Pass	3.28	21.84	21.84	0.153	Inf	25.12	0.32509	1
1732.5MHz_RB 3,#RB M	Pass	3.28	21.91	21.91	0.155	Inf	25.19	0.33037	1
1732.5MHz_RB 3,#RB H	Pass	3.28	21.76	21.76	0.150	Inf	25.04	0.31915	1
1754.3MHz_RB 6,#RB 0	Pass	3.28	20.68	20.68	0.117	Inf	23.96	0.24889	1
1754.3MHz_RB 1,#RB L	Pass	3.28	21.92	21.92	0.156	Inf	25.20	0.33113	1
1754.3MHz_RB 1,#RB M	Pass	3.28	22.00	22.00	0.158	Inf	25.28	0.33729	1
1754.3MHz_RB 1,#RB H	Pass	3.28	21.73	21.73	0.149	Inf	25.01	0.31696	1
1754.3MHz_RB 3,#RB L	Pass	3.28	21.54	21.54	0.143	Inf	24.82	0.30339	1
1754.3MHz_RB 3,#RB M	Pass	3.28	21.62	21.62	0.145	Inf	24.90	0.30903	1
1754.3MHz_RB 3,#RB H	Pass	3.28	21.65	21.65	0.146	Inf	24.93	0.31117	1
Band 4_LTE_3MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
1711.5MHz_RB 15,#RB 0	Pass	3.28	21.29	21.29	0.135	Inf	24.57	0.28642	1
1711.5MHz_RB 1,#RB L	Pass	3.28	22.62	22.62	0.183	Inf	25.90	0.38905	1
1711.5MHz_RB 1,#RB M	Pass	3.28	22.08	22.08	0.161	Inf	25.36	0.34356	1
1711.5MHz_RB 1,#RB H	Pass	3.28	21.99	21.99	0.158	Inf	25.27	0.33651	1
1711.5MHz_RB 8,#RB L	Pass	3.28	21.30	21.30	0.135	Inf	24.58	0.28708	1
1711.5MHz_RB 8,#RB M	Pass	3.28	21.08	21.08	0.128	Inf	24.36	0.27290	1
1711.5MHz_RB 8,#RB H	Pass	3.28	20.99	20.99	0.126	Inf	24.27	0.26730	1
1732.5MHz_RB 15,#RB 0	Pass	3.28	21.38	21.38	0.137	Inf	24.66	0.29242	1
1732.5MHz_RB 1,#RB L	Pass	3.28	22.01	22.01	0.159	Inf	25.29	0.33806	1
1732.5MHz_RB 1,#RB M	Pass	3.28	22.03	22.03	0.160	Inf	25.31	0.33963	1
1732.5MHz_RB 1,#RB H	Pass	3.28	21.91	21.91	0.155	Inf	25.19	0.33037	1
1732.5MHz_RB 8,#RB L	Pass	3.28	21.26	21.26	0.134	Inf	24.54	0.28445	1
1732.5MHz_RB 8,#RB M	Pass	3.28	20.96	20.96	0.125	Inf	24.24	0.26546	1
1732.5MHz_RB 8,#RB H	Pass	3.28	20.76	20.76	0.119	Inf	24.04	0.25351	1
1753.5MHz_RB 15,#RB 0	Pass	3.28	20.93	20.93	0.124	Inf	24.21	0.26363	1
1753.5MHz_RB 1,#RB L	Pass	3.28	22.16	22.16	0.164	Inf	25.44	0.34995	1
1753.5MHz_RB 1,#RB M	Pass	3.28	21.87	21.87	0.154	Inf	25.15	0.32734	1
1753.5MHz_RB 1,#RB H	Pass	3.28	21.76	21.76	0.150	Inf	25.04	0.31915	1
1753.5MHz_RB 8,#RB L	Pass	3.28	20.67	20.67	0.117	Inf	23.95	0.24831	1
1753.5MHz_RB 8,#RB M	Pass	3.28	20.62	20.62	0.115	Inf	23.90	0.24547	1
1753.5MHz_RB 8,#RB H	Pass	3.28	20.63	20.63	0.116	Inf	23.91	0.24604	1
Band 4_LTE_5MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
1712.5MHz_RB 25,#RB 0	Pass	3.28	21.38	21.38	0.137	Inf	24.66	0.29242	1
1712.5MHz_RB 1,#RB L	Pass	3.28	22.04	22.04	0.160	Inf	25.32	0.34041	1
1712.5MHz_RB 1,#RB M	Pass	3.28	22.04	22.04	0.160	Inf	25.32	0.34041	1
1712.5MHz_RB 1,#RB H	Pass	3.28	22.06	22.06	0.161	Inf	25.34	0.34198	1
1712.5MHz_RB 12,#RB L	Pass	3.28	21.02	21.02	0.126	Inf	24.30	0.26915	1
1712.5MHz_RB 12,#RB M	Pass	3.28	20.98	20.98	0.125	Inf	24.26	0.26669	1
1712.5MHz_RB 12,#RB H	Pass	3.28	20.94	20.94	0.124	Inf	24.22	0.26424	1
1732.5MHz_RB 25,#RB 0	Pass	3.28	21.21	21.21	0.132	Inf	24.49	0.28119	1
1732.5MHz_RB 1,#RB L	Pass	3.28	21.92	21.92	0.156	Inf	25.20	0.33113	1
1732.5MHz_RB 1,#RB M	Pass	3.28	22.01	22.01	0.159	Inf	25.29	0.33806	1
1732.5MHz_RB 1,#RB H	Pass	3.28	22.29	22.29	0.169	Inf	25.57	0.36058	1



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Appendix A.3

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	Power Lim. (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1732.5MHz_RB 12,#RB L	Pass	3.28	20.98	20.98	0.125	Inf	24.26	0.26669	1
1732.5MHz_RB 12,#RB M	Pass	3.28	21.04	21.04	0.127	Inf	24.32	0.27040	1
1732.5MHz_RB 12,#RB H	Pass	3.28	20.73	20.73	0.118	Inf	24.01	0.25177	1
1752.5MHz_RB 25,#RB 0	Pass	3.28	21.00	21.00	0.126	Inf	24.28	0.26792	1
1752.5MHz_RB 1,#RB L	Pass	3.28	22.00	22.00	0.158	Inf	25.28	0.33729	1
1752.5MHz_RB 1,#RB M	Pass	3.28	21.78	21.78	0.151	Inf	25.06	0.32063	1
1752.5MHz_RB 1,#RB H	Pass	3.28	21.87	21.87	0.154	Inf	25.15	0.32734	1
1752.5MHz_RB 12,#RB L	Pass	3.28	20.82	20.82	0.121	Inf	24.10	0.25704	1
1752.5MHz_RB 12,#RB M	Pass	3.28	20.82	20.82	0.121	Inf	24.10	0.25704	1
1752.5MHz_RB 12,#RB H	Pass	3.28	20.87	20.87	0.122	Inf	24.15	0.26002	1
Band 4_LTE_10MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
1715MHz_RB 50,#RB 0	Pass	3.28	21.63	21.63	0.146	Inf	24.91	0.30974	1
1715MHz_RB 1,#RB L	Pass	3.28	22.25	22.25	0.168	Inf	25.53	0.35727	1
1715MHz_RB 1,#RB M	Pass	3.28	22.27	22.27	0.169	Inf	25.55	0.35892	1
1715MHz_RB 1,#RB H	Pass	3.28	22.05	22.05	0.160	Inf	25.33	0.34119	1
1715MHz_RB 25,#RB L	Pass	3.28	20.98	20.98	0.125	Inf	24.26	0.26669	1
1715MHz_RB 25,#RB M	Pass	3.28	20.92	20.92	0.124	Inf	24.20	0.26303	1
1715MHz_RB 25,#RB H	Pass	3.28	20.80	20.80	0.120	Inf	24.08	0.25586	1
1732.5MHz_RB 50,#RB 0	Pass	3.28	21.28	21.28	0.134	Inf	24.56	0.28576	1
1732.5MHz_RB 1,#RB L	Pass	3.28	22.22	22.22	0.167	Inf	25.50	0.35481	1
1732.5MHz_RB 1,#RB M	Pass	3.28	22.11	22.11	0.163	Inf	25.39	0.34594	1
1732.5MHz_RB 1,#RB H	Pass	3.28	21.85	21.85	0.153	Inf	25.13	0.32584	1
1732.5MHz_RB 25,#RB L	Pass	3.28	20.93	20.93	0.124	Inf	24.21	0.26363	1
1732.5MHz_RB 25,#RB M	Pass	3.28	20.89	20.89	0.123	Inf	24.17	0.26122	1
1732.5MHz_RB 25,#RB H	Pass	3.28	20.73	20.73	0.118	Inf	24.01	0.25177	1
1750MHz_RB 50,#RB 0	Pass	3.28	21.01	21.01	0.126	Inf	24.29	0.26853	1
1750MHz_RB 1,#RB L	Pass	3.28	22.28	22.28	0.169	Inf	25.56	0.35975	1
1750MHz_RB 1,#RB M	Pass	3.28	22.19	22.19	0.166	Inf	25.47	0.35237	1
1750MHz_RB 1,#RB H	Pass	3.28	22.14	22.14	0.164	Inf	25.42	0.34834	1
1750MHz_RB 25,#RB L	Pass	3.28	20.81	20.81	0.121	Inf	24.09	0.25645	1
1750MHz_RB 25,#RB M	Pass	3.28	20.76	20.76	0.119	Inf	24.04	0.25351	1
1750MHz_RB 25,#RB H	Pass	3.28	20.63	20.63	0.116	Inf	23.91	0.24604	1
Band 4_LTE_15MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
1717.5MHz_RB 75,#RB 0	Pass	3.28	21.78	21.78	0.151	Inf	25.06	0.32063	1
1717.5MHz_RB 1,#RB L	Pass	3.28	21.96	21.96	0.157	Inf	25.24	0.33420	1
1717.5MHz_RB 1,#RB M	Pass	3.28	21.95	21.95	0.157	Inf	25.23	0.33343	1
1717.5MHz_RB 1,#RB H	Pass	3.28	22.04	22.04	0.160	Inf	25.32	0.34041	1
1717.5MHz_RB 36,#RB L	Pass	3.28	20.71	20.71	0.118	Inf	23.99	0.25061	1
1717.5MHz_RB 36,#RB M	Pass	3.28	20.75	20.75	0.119	Inf	24.03	0.25293	1
1717.5MHz_RB 36,#RB H	Pass	3.28	20.76	20.76	0.119	Inf	24.04	0.25351	1
1732.5MHz_RB 75,#RB 0	Pass	3.28	21.03	21.03	0.127	Inf	24.31	0.26977	1
1732.5MHz_RB 1,#RB L	Pass	3.28	21.99	21.99	0.158	Inf	25.27	0.33651	1
1732.5MHz_RB 1,#RB M	Pass	3.28	21.99	21.99	0.158	Inf	25.27	0.33651	1
1732.5MHz_RB 1,#RB H	Pass	3.28	21.97	21.97	0.157	Inf	25.25	0.33497	1
1732.5MHz_RB 36,#RB L	Pass	3.28	20.67	20.67	0.117	Inf	23.95	0.24831	1
1732.5MHz_RB 36,#RB M	Pass	3.28	20.75	20.75	0.119	Inf	24.03	0.25293	1
1732.5MHz_RB 36,#RB H	Pass	3.28	20.69	20.69	0.117	Inf	23.97	0.24946	1
1747.5MHz_RB 75,#RB 0	Pass	3.28	20.79	20.79	0.120	Inf	24.07	0.25527	1
1747.5MHz_RB 1,#RB L	Pass	3.28	22.08	22.08	0.161	Inf	25.36	0.34356	1



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Appendix A.3

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	Power Lim. (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1747.5MHz_RB 1,#RB M	Pass	3.28	21.97	21.97	0.157	Inf	25.25	0.33497	1
1747.5MHz_RB 1,#RB H	Pass	3.28	21.88	21.88	0.154	Inf	25.16	0.32810	1
1747.5MHz_RB 36,#RB L	Pass	3.28	20.75	20.75	0.119	Inf	24.03	0.25293	1
1747.5MHz_RB 36,#RB M	Pass	3.28	20.84	20.84	0.121	Inf	24.12	0.25823	1
1747.5MHz_RB 36,#RB H	Pass	3.28	20.67	20.67	0.117	Inf	23.95	0.24831	1
Band 4_LTE_20MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
1720MHz_RB 100,#RB 0	Pass	3.28	21.33	21.33	0.136	Inf	24.61	0.28907	1
1720MHz_RB 1,#RB L	Pass	3.28	22.09	22.09	0.162	Inf	25.37	0.34435	1
1720MHz_RB 1,#RB M	Pass	3.28	22.21	22.21	0.166	Inf	25.49	0.35400	1
1720MHz_RB 1,#RB H	Pass	3.28	21.79	21.79	0.151	Inf	25.07	0.32137	1
1720MHz_RB 50,#RB L	Pass	3.28	20.74	20.74	0.119	Inf	24.02	0.25235	1
1720MHz_RB 50,#RB M	Pass	3.28	20.92	20.92	0.124	Inf	24.20	0.26303	1
1720MHz_RB 50,#RB H	Pass	3.28	20.92	20.92	0.124	Inf	24.20	0.26303	1
1732.5MHz_RB 100,#RB 0	Pass	3.28	21.36	21.36	0.137	Inf	24.64	0.29107	1
1732.5MHz_RB 1,#RB L	Pass	3.28	22.40	22.40	0.174	Inf	25.68	0.36983	1
1732.5MHz_RB 1,#RB M	Pass	3.28	22.10	22.10	0.162	Inf	25.38	0.34514	1
1732.5MHz_RB 1,#RB H	Pass	3.28	21.92	21.92	0.156	Inf	25.20	0.33113	1
1732.5MHz_RB 50,#RB L	Pass	3.28	20.71	20.71	0.118	Inf	23.99	0.25061	1
1732.5MHz_RB 50,#RB M	Pass	3.28	20.74	20.74	0.119	Inf	24.02	0.25235	1
1732.5MHz_RB 50,#RB H	Pass	3.28	20.74	20.74	0.119	Inf	24.02	0.25235	1
1745MHz_RB 100,#RB 0	Pass	3.28	21.02	21.02	0.126	Inf	24.30	0.26915	1
1745MHz_RB 1,#RB L	Pass	3.28	22.45	22.45	0.176	Inf	25.73	0.37411	1
1745MHz_RB 1,#RB M	Pass	3.28	22.22	22.22	0.167	Inf	25.50	0.35481	1
1745MHz_RB 1,#RB H	Pass	3.28	21.92	21.92	0.156	Inf	25.20	0.33113	1
1745MHz_RB 50,#RB L	Pass	3.28	20.82	20.82	0.121	Inf	24.10	0.25704	1
1745MHz_RB 50,#RB M	Pass	3.28	20.74	20.74	0.119	Inf	24.02	0.25235	1
1745MHz_RB 50,#RB H	Pass	3.28	20.58	20.58	0.114	Inf	23.86	0.24322	1
Band 4_LTE_1.4MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
1710.7MHz_RB 6,#RB 0	Pass	3.28	20.83	20.83	0.121	Inf	24.11	0.25763	1
1710.7MHz_RB 1,#RB L	Pass	3.28	21.63	21.63	0.146	Inf	24.91	0.30974	1
1710.7MHz_RB 1,#RB M	Pass	3.28	22.14	22.14	0.164	Inf	25.42	0.34834	1
1710.7MHz_RB 1,#RB H	Pass	3.28	21.91	21.91	0.155	Inf	25.19	0.33037	1
1710.7MHz_RB 3,#RB L	Pass	3.28	21.92	21.92	0.156	Inf	25.20	0.33113	1
1710.7MHz_RB 3,#RB M	Pass	3.28	21.96	21.96	0.157	Inf	25.24	0.33420	1
1710.7MHz_RB 3,#RB H	Pass	3.28	21.91	21.91	0.155	Inf	25.19	0.33037	1
1732.5MHz_RB 6,#RB 0	Pass	3.28	20.69	20.69	0.117	Inf	23.97	0.24946	1
1732.5MHz_RB 1,#RB L	Pass	3.28	21.86	21.86	0.153	Inf	25.14	0.32659	1
1732.5MHz_RB 1,#RB M	Pass	3.28	21.82	21.82	0.152	Inf	25.10	0.32359	1
1732.5MHz_RB 1,#RB H	Pass	3.28	21.55	21.55	0.143	Inf	24.83	0.30409	1
1732.5MHz_RB 3,#RB L	Pass	3.28	21.86	21.86	0.153	Inf	25.14	0.32659	1
1732.5MHz_RB 3,#RB M	Pass	3.28	22.06	22.06	0.161	Inf	25.34	0.34198	1
1732.5MHz_RB 3,#RB H	Pass	3.28	21.59	21.59	0.144	Inf	24.87	0.30690	1
1754.3MHz_RB 6,#RB 0	Pass	3.28	21.06	21.06	0.128	Inf	24.34	0.27164	1
1754.3MHz_RB 1,#RB L	Pass	3.28	21.63	21.63	0.146	Inf	24.91	0.30974	1
1754.3MHz_RB 1,#RB M	Pass	3.28	21.77	21.77	0.150	Inf	25.05	0.31989	1
1754.3MHz_RB 1,#RB H	Pass	3.28	21.72	21.72	0.149	Inf	25.00	0.31623	1
1754.3MHz_RB 3,#RB L	Pass	3.28	21.40	21.40	0.138	Inf	24.68	0.29376	1
1754.3MHz_RB 3,#RB M	Pass	3.28	21.87	21.87	0.154	Inf	25.15	0.32734	1
1754.3MHz_RB 3,#RB H	Pass	3.28	21.45	21.45	0.140	Inf	24.73	0.29717	1



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Appendix A.3

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	Power Lim. (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
Band 4_LTE_3MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
1711.5MHz_RB 15,#RB 0	Pass	3.28	21.06	21.06	0.128	Inf	24.34	0.27164	1
1711.5MHz_RB 1,#RB L	Pass	3.28	21.75	21.75	0.150	Inf	25.03	0.31842	1
1711.5MHz_RB 1,#RB M	Pass	3.28	21.62	21.62	0.145	Inf	24.90	0.30903	1
1711.5MHz_RB 1,#RB H	Pass	3.28	22.04	22.04	0.160	Inf	25.32	0.34041	1
1711.5MHz_RB 8,#RB L	Pass	3.28	21.04	21.04	0.127	Inf	24.32	0.27040	1
1711.5MHz_RB 8,#RB M	Pass	3.28	21.10	21.10	0.129	Inf	24.38	0.27416	1
1711.5MHz_RB 8,#RB H	Pass	3.28	20.99	20.99	0.126	Inf	24.27	0.26730	1
1732.5MHz_RB 15,#RB 0	Pass	3.28	20.84	20.84	0.121	Inf	24.12	0.25823	1
1732.5MHz_RB 1,#RB L	Pass	3.28	21.56	21.56	0.143	Inf	24.84	0.30479	1
1732.5MHz_RB 1,#RB M	Pass	3.28	21.54	21.54	0.143	Inf	24.82	0.30339	1
1732.5MHz_RB 1,#RB H	Pass	3.28	21.59	21.59	0.144	Inf	24.87	0.30690	1
1732.5MHz_RB 8,#RB L	Pass	3.28	20.93	20.93	0.124	Inf	24.21	0.26363	1
1732.5MHz_RB 8,#RB M	Pass	3.28	20.95	20.95	0.124	Inf	24.23	0.26485	1
1732.5MHz_RB 8,#RB H	Pass	3.28	20.80	20.80	0.120	Inf	24.08	0.25586	1
1753.5MHz_RB 15,#RB 0	Pass	3.28	20.68	20.68	0.117	Inf	23.96	0.24889	1
1753.5MHz_RB 1,#RB L	Pass	3.28	21.39	21.39	0.138	Inf	24.67	0.29309	1
1753.5MHz_RB 1,#RB M	Pass	3.28	21.25	21.25	0.133	Inf	24.53	0.28379	1
1753.5MHz_RB 1,#RB H	Pass	3.28	21.51	21.51	0.142	Inf	24.79	0.30130	1
1753.5MHz_RB 8,#RB L	Pass	3.28	20.85	20.85	0.122	Inf	24.13	0.25882	1
1753.5MHz_RB 8,#RB M	Pass	3.28	21.17	21.17	0.131	Inf	24.45	0.27861	1
1753.5MHz_RB 8,#RB H	Pass	3.28	20.80	20.80	0.120	Inf	24.08	0.25586	1
Band 4_LTE_5MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
1712.5MHz_RB 25,#RB 0	Pass	3.28	20.85	20.85	0.122	Inf	24.13	0.25882	1
1712.5MHz_RB 1,#RB L	Pass	3.28	21.53	21.53	0.142	Inf	24.81	0.30269	1
1712.5MHz_RB 1,#RB M	Pass	3.28	21.58	21.58	0.144	Inf	24.86	0.30620	1
1712.5MHz_RB 1,#RB H	Pass	3.28	22.34	22.34	0.171	Inf	25.62	0.36475	1
1712.5MHz_RB 12,#RB L	Pass	3.28	20.67	20.67	0.117	Inf	23.95	0.24831	1
1712.5MHz_RB 12,#RB M	Pass	3.28	20.62	20.62	0.115	Inf	23.90	0.24547	1
1712.5MHz_RB 12,#RB H	Pass	3.28	20.78	20.78	0.120	Inf	24.06	0.25468	1
1732.5MHz_RB 25,#RB 0	Pass	3.28	20.87	20.87	0.122	Inf	24.15	0.26002	1
1732.5MHz_RB 1,#RB L	Pass	3.28	21.31	21.31	0.135	Inf	24.59	0.28774	1
1732.5MHz_RB 1,#RB M	Pass	3.28	21.12	21.12	0.129	Inf	24.40	0.27542	1
1732.5MHz_RB 1,#RB H	Pass	3.28	21.38	21.38	0.137	Inf	24.66	0.29242	1
1732.5MHz_RB 12,#RB L	Pass	3.28	20.58	20.58	0.114	Inf	23.86	0.24322	1
1732.5MHz_RB 12,#RB M	Pass	3.28	20.44	20.44	0.111	Inf	23.72	0.23550	1
1732.5MHz_RB 12,#RB H	Pass	3.28	20.45	20.45	0.111	Inf	23.73	0.23605	1
1752.5MHz_RB 25,#RB 0	Pass	3.28	20.84	20.84	0.121	Inf	24.12	0.25823	1
1752.5MHz_RB 1,#RB L	Pass	3.28	21.38	21.38	0.137	Inf	24.66	0.29242	1
1752.5MHz_RB 1,#RB M	Pass	3.28	21.10	21.10	0.129	Inf	24.38	0.27416	1
1752.5MHz_RB 1,#RB H	Pass	3.28	21.54	21.54	0.143	Inf	24.82	0.30339	1
1752.5MHz_RB 12,#RB L	Pass	3.28	20.60	20.60	0.115	Inf	23.88	0.24434	1
1752.5MHz_RB 12,#RB M	Pass	3.28	20.56	20.56	0.114	Inf	23.84	0.24210	1
1752.5MHz_RB 12,#RB H	Pass	3.28	20.72	20.72	0.118	Inf	24.00	0.25119	1
Band 4_LTE_10MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
1715MHz_RB 1,#RB L	Pass	3.28	21.27	21.27	0.134	Inf	24.55	0.28510	1
1715MHz_RB 1,#RB M	Pass	3.28	21.47	21.47	0.140	Inf	24.75	0.29854	1
1715MHz_RB 1,#RB H	Pass	3.28	20.94	20.94	0.124	Inf	24.22	0.26424	1
1715MHz_RB 25,#RB L	Pass	3.28	20.77	20.77	0.119	Inf	24.05	0.25410	1



Average Power_4G

Appendix A.3

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	Power Lim. (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1715MHz_RB 25,#RB M	Pass	3.28	20.65	20.65	0.116	Inf	23.93	0.24717	1
1715MHz_RB 25,#RB H	Pass	3.28	20.74	20.74	0.119	Inf	24.02	0.25235	1
1732.5MHz_RB 1,#RB L	Pass	3.28	21.14	21.14	0.130	Inf	24.42	0.27669	1
1732.5MHz_RB 1,#RB M	Pass	3.28	21.47	21.47	0.140	Inf	24.75	0.29854	1
1732.5MHz_RB 1,#RB H	Pass	3.28	21.06	21.06	0.128	Inf	24.34	0.27164	1
1732.5MHz_RB 25,#RB L	Pass	3.28	20.58	20.58	0.114	Inf	23.86	0.24322	1
1732.5MHz_RB 25,#RB M	Pass	3.28	20.44	20.44	0.111	Inf	23.72	0.23550	1
1732.5MHz_RB 25,#RB H	Pass	3.28	20.48	20.48	0.112	Inf	23.76	0.23768	1
1750MHz_RB 1,#RB L	Pass	3.28	20.92	20.92	0.124	Inf	24.20	0.26303	1
1750MHz_RB 1,#RB M	Pass	3.28	21.22	21.22	0.132	Inf	24.50	0.28184	1
1750MHz_RB 1,#RB H	Pass	3.28	21.42	21.42	0.139	Inf	24.70	0.29512	1
1750MHz_RB 25,#RB L	Pass	3.28	20.45	20.45	0.111	Inf	23.73	0.23605	1
1750MHz_RB 25,#RB M	Pass	3.28	20.45	20.45	0.111	Inf	23.73	0.23605	1
1750MHz_RB 25,#RB H	Pass	3.28	20.67	20.67	0.117	Inf	23.95	0.24831	1
Band 4_LTE_15MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
1717.5MHz_RB 1,#RB L	Pass	3.28	21.45	21.45	0.140	Inf	24.73	0.29717	1
1717.5MHz_RB 1,#RB M	Pass	3.28	21.37	21.37	0.137	Inf	24.65	0.29174	1
1717.5MHz_RB 1,#RB H	Pass	3.28	21.37	21.37	0.137	Inf	24.65	0.29174	1
1732.5MHz_RB 1,#RB L	Pass	3.28	21.26	21.26	0.134	Inf	24.54	0.28445	1
1732.5MHz_RB 1,#RB M	Pass	3.28	20.95	20.95	0.124	Inf	24.23	0.26485	1
1732.5MHz_RB 1,#RB H	Pass	3.28	21.22	21.22	0.132	Inf	24.50	0.28184	1
1747.5MHz_RB 1,#RB L	Pass	3.28	21.34	21.34	0.136	Inf	24.62	0.28973	1
1747.5MHz_RB 1,#RB M	Pass	3.28	21.22	21.22	0.132	Inf	24.50	0.28184	1
1747.5MHz_RB 1,#RB H	Pass	3.28	21.27	21.27	0.134	Inf	24.55	0.28510	1
Band 4_LTE_20MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
1720MHz_RB 1,#RB L	Pass	3.28	21.37	21.37	0.137	Inf	24.65	0.29174	1
1720MHz_RB 1,#RB M	Pass	3.28	21.50	21.50	0.141	Inf	24.78	0.30061	1
1720MHz_RB 1,#RB H	Pass	3.28	21.33	21.33	0.136	Inf	24.61	0.28907	1
1732.5MHz_RB 1,#RB L	Pass	3.28	21.15	21.15	0.130	Inf	24.43	0.27733	1
1732.5MHz_RB 1,#RB M	Pass	3.28	21.22	21.22	0.132	Inf	24.50	0.28184	1
1732.5MHz_RB 1,#RB H	Pass	3.28	21.16	21.16	0.131	Inf	24.44	0.27797	1
1745MHz_RB 1,#RB L	Pass	3.28	21.27	21.27	0.134	Inf	24.55	0.28510	1
1745MHz_RB 1,#RB M	Pass	3.28	21.37	21.37	0.137	Inf	24.65	0.29174	1
1745MHz_RB 1,#RB H	Pass	3.28	21.39	21.39	0.138	Inf	24.67	0.29309	1
Band 7_LTE_5MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
2502.5MHz_RB 25,#RB 0	Pass	3.80	21.22	21.22	0.132	Inf	25.02	0.31769	2
2502.5MHz_RB 1,#RB L	Pass	3.80	22.11	22.11	0.163	Inf	25.91	0.38994	2
2502.5MHz_RB 1,#RB M	Pass	3.80	22.15	22.15	0.164	Inf	25.95	0.39355	2
2502.5MHz_RB 1,#RB H	Pass	3.80	22.02	22.02	0.159	Inf	25.82	0.38194	2
2502.5MHz_RB 12,#RB L	Pass	3.80	21.20	21.20	0.132	Inf	25.00	0.31623	2
2502.5MHz_RB 12,#RB M	Pass	3.80	20.90	20.90	0.123	Inf	24.70	0.29512	2
2502.5MHz_RB 12,#RB H	Pass	3.80	20.98	20.98	0.125	Inf	24.78	0.30061	2
2535MHz_RB 25,#RB 0	Pass	3.80	21.53	21.53	0.142	Inf	25.33	0.34119	2
2535MHz_RB 1,#RB L	Pass	3.80	22.73	22.73	0.187	Inf	26.53	0.44978	2
2535MHz_RB 1,#RB M	Pass	3.80	22.37	22.37	0.173	Inf	26.17	0.41400	2
2535MHz_RB 1,#RB H	Pass	3.80	22.17	22.17	0.165	Inf	25.97	0.39537	2
2535MHz_RB 12,#RB L	Pass	3.80	21.17	21.17	0.131	Inf	24.97	0.31405	2
2535MHz_RB 12,#RB M	Pass	3.80	21.25	21.25	0.133	Inf	25.05	0.31989	2
2535MHz_RB 12,#RB H	Pass	3.80	21.24	21.24	0.133	Inf	25.04	0.31915	2



Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	Power Lim. (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
2567.5MHz_RB 25,#RB 0	Pass	3.80	21.80	21.80	0.151	Inf	25.60	0.36308	2
2567.5MHz_RB 1,#RB L	Pass	3.80	22.84	22.84	0.192	Inf	26.64	0.46132	2
2567.5MHz_RB 1,#RB M	Pass	3.80	22.13	22.13	0.163	Inf	25.93	0.39174	2
2567.5MHz_RB 1,#RB H	Pass	3.80	21.87	21.87	0.154	Inf	25.67	0.36898	2
2567.5MHz_RB 12,#RB L	Pass	3.80	20.90	20.90	0.123	Inf	24.70	0.29512	2
2567.5MHz_RB 12,#RB M	Pass	3.80	20.84	20.84	0.121	Inf	24.64	0.29107	2
2567.5MHz_RB 12,#RB H	Pass	3.80	20.79	20.79	0.120	Inf	24.59	0.28774	2
Band 7_LTE_10MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
2505MHz_RB 50,#RB 0	Pass	3.80	20.83	20.83	0.121	Inf	24.63	0.29040	2
2505MHz_RB 1,#RB L	Pass	3.80	21.99	21.99	0.158	Inf	25.79	0.37931	2
2505MHz_RB 1,#RB M	Pass	3.80	21.99	21.99	0.158	Inf	25.79	0.37931	2
2505MHz_RB 1,#RB H	Pass	3.80	21.90	21.90	0.155	Inf	25.70	0.37154	2
2505MHz_RB 25,#RB L	Pass	3.80	20.82	20.82	0.121	Inf	24.62	0.28973	2
2505MHz_RB 25,#RB M	Pass	3.80	20.79	20.79	0.120	Inf	24.59	0.28774	2
2505MHz_RB 25,#RB H	Pass	3.80	20.73	20.73	0.118	Inf	24.53	0.28379	2
2535MHz_RB 50,#RB 0	Pass	3.80	21.13	21.13	0.130	Inf	24.93	0.31117	2
2535MHz_RB 1,#RB L	Pass	3.80	22.28	22.28	0.169	Inf	26.08	0.40551	2
2535MHz_RB 1,#RB M	Pass	3.80	22.33	22.33	0.171	Inf	26.13	0.41020	2
2535MHz_RB 1,#RB H	Pass	3.80	22.05	22.05	0.160	Inf	25.85	0.38459	2
2535MHz_RB 25,#RB L	Pass	3.80	21.19	21.19	0.132	Inf	24.99	0.31550	2
2535MHz_RB 25,#RB M	Pass	3.80	20.95	20.95	0.124	Inf	24.75	0.29854	2
2535MHz_RB 25,#RB H	Pass	3.80	21.04	21.04	0.127	Inf	24.84	0.30479	2
2565MHz_RB 50,#RB 0	Pass	3.80	20.79	20.79	0.120	Inf	24.59	0.28774	2
2565MHz_RB 1,#RB L	Pass	3.80	22.19	22.19	0.166	Inf	25.99	0.39719	2
2565MHz_RB 1,#RB M	Pass	3.80	22.29	22.29	0.169	Inf	26.09	0.40644	2
2565MHz_RB 1,#RB H	Pass	3.80	22.25	22.25	0.168	Inf	26.05	0.40272	2
2565MHz_RB 25,#RB L	Pass	3.80	21.10	21.10	0.129	Inf	24.90	0.30903	2
2565MHz_RB 25,#RB M	Pass	3.80	21.18	21.18	0.131	Inf	24.98	0.31477	2
2565MHz_RB 25,#RB H	Pass	3.80	21.13	21.13	0.130	Inf	24.93	0.31117	2
Band 7_LTE_15MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
2507.5MHz_RB 75,#RB 0	Pass	3.80	21.24	21.24	0.133	Inf	25.04	0.31915	2
2507.5MHz_RB 1,#RB L	Pass	3.80	22.25	22.25	0.168	Inf	26.05	0.40272	2
2507.5MHz_RB 1,#RB M	Pass	3.80	21.87	21.87	0.154	Inf	25.67	0.36898	2
2507.5MHz_RB 1,#RB H	Pass	3.80	21.96	21.96	0.157	Inf	25.76	0.37670	2
2507.5MHz_RB 36,#RB L	Pass	3.80	20.85	20.85	0.122	Inf	24.65	0.29174	2
2507.5MHz_RB 36,#RB M	Pass	3.80	20.83	20.83	0.121	Inf	24.63	0.29040	2
2507.5MHz_RB 36,#RB H	Pass	3.80	20.83	20.83	0.121	Inf	24.63	0.29040	2
2535MHz_RB 75,#RB 0	Pass	3.80	21.76	21.76	0.150	Inf	25.56	0.35975	2
2535MHz_RB 1,#RB L	Pass	3.80	22.23	22.23	0.167	Inf	26.03	0.40087	2
2535MHz_RB 1,#RB M	Pass	3.80	22.15	22.15	0.164	Inf	25.95	0.39355	2
2535MHz_RB 1,#RB H	Pass	3.80	22.18	22.18	0.165	Inf	25.98	0.39628	2
2535MHz_RB 36,#RB L	Pass	3.80	21.19	21.19	0.132	Inf	24.99	0.31550	2
2535MHz_RB 36,#RB M	Pass	3.80	21.15	21.15	0.130	Inf	24.95	0.31261	2
2535MHz_RB 36,#RB H	Pass	3.80	21.20	21.20	0.132	Inf	25.00	0.31623	2
2562.5MHz_RB 75,#RB 0	Pass	3.80	21.16	21.16	0.131	Inf	24.96	0.31333	2
2562.5MHz_RB 1,#RB L	Pass	3.80	22.12	22.12	0.163	Inf	25.92	0.39084	2
2562.5MHz_RB 1,#RB M	Pass	3.80	21.78	21.78	0.151	Inf	25.58	0.36141	2
2562.5MHz_RB 1,#RB H	Pass	3.80	21.63	21.63	0.146	Inf	25.43	0.34914	2
2562.5MHz_RB 36,#RB L	Pass	3.80	20.84	20.84	0.121	Inf	24.64	0.29107	2



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Appendix A.3

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	Power Lim. (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
2562.5MHz_RB 36,#RB M	Pass	3.80	20.81	20.81	0.121	Inf	24.61	0.28907	2
2562.5MHz_RB 36,#RB H	Pass	3.80	20.86	20.86	0.122	Inf	24.66	0.29242	2
Band 7_LTE_20MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
2510MHz_RB 100,#RB 0	Pass	3.80	21.22	21.22	0.132	Inf	25.02	0.31769	2
2510MHz_RB 1,#RB L	Pass	3.80	22.10	22.10	0.162	Inf	25.90	0.38905	2
2510MHz_RB 1,#RB M	Pass	3.80	21.93	21.93	0.156	Inf	25.73	0.37411	2
2510MHz_RB 1,#RB H	Pass	3.80	22.10	22.10	0.162	Inf	25.90	0.38905	2
2510MHz_RB 50,#RB L	Pass	3.80	20.96	20.96	0.125	Inf	24.76	0.29923	2
2510MHz_RB 50,#RB M	Pass	3.80	20.78	20.78	0.120	Inf	24.58	0.28708	2
2510MHz_RB 50,#RB H	Pass	3.80	20.80	20.80	0.120	Inf	24.60	0.28840	2
2535MHz_RB 100,#RB 0	Pass	3.80	21.43	21.43	0.139	Inf	25.23	0.33343	2
2535MHz_RB 1,#RB L	Pass	3.80	22.32	22.32	0.171	Inf	26.12	0.40926	2
2535MHz_RB 1,#RB M	Pass	3.80	22.33	22.33	0.171	Inf	26.13	0.41020	2
2535MHz_RB 1,#RB H	Pass	3.80	22.22	22.22	0.167	Inf	26.02	0.39994	2
2535MHz_RB 50,#RB L	Pass	3.80	21.12	21.12	0.129	Inf	24.92	0.31046	2
2535MHz_RB 50,#RB M	Pass	3.80	21.12	21.12	0.129	Inf	24.92	0.31046	2
2535MHz_RB 50,#RB H	Pass	3.80	21.08	21.08	0.128	Inf	24.88	0.30761	2
2560MHz_RB 100,#RB 0	Pass	3.80	21.20	21.20	0.132	Inf	25.00	0.31623	2
2560MHz_RB 1,#RB L	Pass	3.80	22.58	22.58	0.181	Inf	26.38	0.43451	2
2560MHz_RB 1,#RB M	Pass	3.80	22.05	22.05	0.160	Inf	25.85	0.38459	2
2560MHz_RB 1,#RB H	Pass	3.80	21.99	21.99	0.158	Inf	25.79	0.37931	2
2560MHz_RB 50,#RB L	Pass	3.80	20.90	20.90	0.123	Inf	24.70	0.29512	2
2560MHz_RB 50,#RB M	Pass	3.80	20.77	20.77	0.119	Inf	24.57	0.28642	2
2560MHz_RB 50,#RB H	Pass	3.80	20.67	20.67	0.117	Inf	24.47	0.27990	2
Band 7_LTE_5MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
2502.5MHz_RB 25,#RB 0	Pass	3.80	19.94	19.94	0.099	Inf	23.74	0.23659	2
2502.5MHz_RB 1,#RB L	Pass	3.80	20.68	20.68	0.117	Inf	24.48	0.28054	2
2502.5MHz_RB 1,#RB M	Pass	3.80	20.49	20.49	0.112	Inf	24.29	0.26853	2
2502.5MHz_RB 1,#RB H	Pass	3.80	20.52	20.52	0.113	Inf	24.32	0.27040	2
2502.5MHz_RB 12,#RB L	Pass	3.80	19.69	19.69	0.093	Inf	23.49	0.22336	2
2502.5MHz_RB 12,#RB M	Pass	3.80	19.65	19.65	0.092	Inf	23.45	0.22131	2
2502.5MHz_RB 12,#RB H	Pass	3.80	19.63	19.63	0.092	Inf	23.43	0.22029	2
2535MHz_RB 25,#RB 0	Pass	3.80	20.32	20.32	0.108	Inf	24.12	0.25823	2
2535MHz_RB 1,#RB L	Pass	3.80	20.90	20.90	0.123	Inf	24.70	0.29512	2
2535MHz_RB 1,#RB M	Pass	3.80	20.86	20.86	0.122	Inf	24.66	0.29242	2
2535MHz_RB 1,#RB H	Pass	3.80	20.95	20.95	0.124	Inf	24.75	0.29854	2
2535MHz_RB 12,#RB L	Pass	3.80	19.90	19.90	0.098	Inf	23.70	0.23442	2
2535MHz_RB 12,#RB M	Pass	3.80	19.96	19.96	0.099	Inf	23.76	0.23768	2
2535MHz_RB 12,#RB H	Pass	3.80	20.15	20.15	0.104	Inf	23.95	0.24831	2
2567.5MHz_RB 25,#RB 0	Pass	3.80	19.98	19.98	0.100	Inf	23.78	0.23878	2
2567.5MHz_RB 1,#RB L	Pass	3.80	21.05	21.05	0.127	Inf	24.85	0.30549	2
2567.5MHz_RB 1,#RB M	Pass	3.80	20.97	20.97	0.125	Inf	24.77	0.29992	2
2567.5MHz_RB 1,#RB H	Pass	3.80	20.37	20.37	0.109	Inf	24.17	0.26122	2
2567.5MHz_RB 12,#RB L	Pass	3.80	19.86	19.86	0.097	Inf	23.66	0.23227	2
2567.5MHz_RB 12,#RB M	Pass	3.80	19.79	19.79	0.095	Inf	23.59	0.22856	2
2567.5MHz_RB 12,#RB H	Pass	3.80	19.64	19.64	0.092	Inf	23.44	0.22080	2
Band 7_LTE_10MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
2505MHz_RB 1,#RB L	Pass	3.80	20.71	20.71	0.118	Inf	24.51	0.28249	2
2505MHz_RB 1,#RB M	Pass	3.80	19.96	19.96	0.099	Inf	23.76	0.23768	2



Average Power_4G

Appendix A.3

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	Power Lim. (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
2505MHz_RB 1,#RB H	Pass	3.80	20.36	20.36	0.109	Inf	24.16	0.26062	2
2505MHz_RB 25,#RB L	Pass	3.80	19.86	19.86	0.097	Inf	23.66	0.23227	2
2505MHz_RB 25,#RB M	Pass	3.80	19.87	19.87	0.097	Inf	23.67	0.23281	2
2505MHz_RB 25,#RB H	Pass	3.80	19.85	19.85	0.097	Inf	23.65	0.23174	2
2535MHz_RB 1,#RB L	Pass	3.80	21.03	21.03	0.127	Inf	24.83	0.30409	2
2535MHz_RB 1,#RB M	Pass	3.80	21.15	21.15	0.130	Inf	24.95	0.31261	2
2535MHz_RB 1,#RB H	Pass	3.80	20.96	20.96	0.125	Inf	24.76	0.29923	2
2535MHz_RB 25,#RB L	Pass	3.80	20.28	20.28	0.107	Inf	24.08	0.25586	2
2535MHz_RB 25,#RB M	Pass	3.80	20.14	20.14	0.103	Inf	23.94	0.24774	2
2535MHz_RB 25,#RB H	Pass	3.80	20.24	20.24	0.106	Inf	24.04	0.25351	2
2565MHz_RB 1,#RB L	Pass	3.80	21.00	21.00	0.126	Inf	24.80	0.30200	2
2565MHz_RB 1,#RB M	Pass	3.80	21.29	21.29	0.135	Inf	25.09	0.32285	2
2565MHz_RB 1,#RB H	Pass	3.80	21.10	21.10	0.129	Inf	24.90	0.30903	2
2565MHz_RB 25,#RB L	Pass	3.80	20.34	20.34	0.108	Inf	24.14	0.25942	2
2565MHz_RB 25,#RB M	Pass	3.80	20.24	20.24	0.106	Inf	24.04	0.25351	2
2565MHz_RB 25,#RB H	Pass	3.80	20.39	20.39	0.109	Inf	24.19	0.26242	2
Band 7_LTE_15MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
2507.5MHz_RB 1,#RB L	Pass	3.80	21.31	21.31	0.135	Inf	25.11	0.32434	2
2507.5MHz_RB 1,#RB M	Pass	3.80	21.15	21.15	0.130	Inf	24.95	0.31261	2
2507.5MHz_RB 1,#RB H	Pass	3.80	21.09	21.09	0.129	Inf	24.89	0.30832	2
2535MHz_RB 1,#RB L	Pass	3.80	21.44	21.44	0.139	Inf	25.24	0.33420	2
2535MHz_RB 1,#RB M	Pass	3.80	21.29	21.29	0.135	Inf	25.09	0.32285	2
2535MHz_RB 1,#RB H	Pass	3.80	21.57	21.57	0.144	Inf	25.37	0.34435	2
2562.5MHz_RB 1,#RB L	Pass	3.80	21.00	21.00	0.126	Inf	24.80	0.30200	2
2562.5MHz_RB 1,#RB M	Pass	3.80	21.18	21.18	0.131	Inf	24.98	0.31477	2
2562.5MHz_RB 1,#RB H	Pass	3.80	20.99	20.99	0.126	Inf	24.79	0.30130	2
Band 7_LTE_20MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
2510MHz_RB 1,#RB L	Pass	3.80	21.12	21.12	0.129	Inf	24.92	0.31046	2
2510MHz_RB 1,#RB M	Pass	3.80	21.07	21.07	0.128	Inf	24.87	0.30690	2
2510MHz_RB 1,#RB H	Pass	3.80	20.63	20.63	0.116	Inf	24.43	0.27733	2
2535MHz_RB 1,#RB L	Pass	3.80	21.22	21.22	0.132	Inf	25.02	0.31769	2
2535MHz_RB 1,#RB M	Pass	3.80	20.65	20.65	0.116	Inf	24.45	0.27861	2
2535MHz_RB 1,#RB H	Pass	3.80	20.80	20.80	0.120	Inf	24.60	0.28840	2
2560MHz_RB 1,#RB L	Pass	3.80	21.44	21.44	0.139	Inf	25.24	0.33420	2
2560MHz_RB 1,#RB M	Pass	3.80	21.04	21.04	0.127	Inf	24.84	0.30479	2
2560MHz_RB 1,#RB H	Pass	3.80	20.35	20.35	0.108	Inf	24.15	0.26002	2

DG = Directional Gain; Port n = Port n output power



Summary

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
1900	-	-	-	-	-
GPRS_200kHz_Nss1_1TX	Pass	1850.2	13.00	1.22	1
EGPRS_200kHz_Nss1_1TX	Pass	1880	13.00	3.92	1
850	-	-	-	-	-
GPRS_200kHz_Nss1_1TX	Pass	836.4	13.00	1.58	1
EGPRS_200kHz_Nss1_1TX	Pass	836.4	13.00	3.83	1



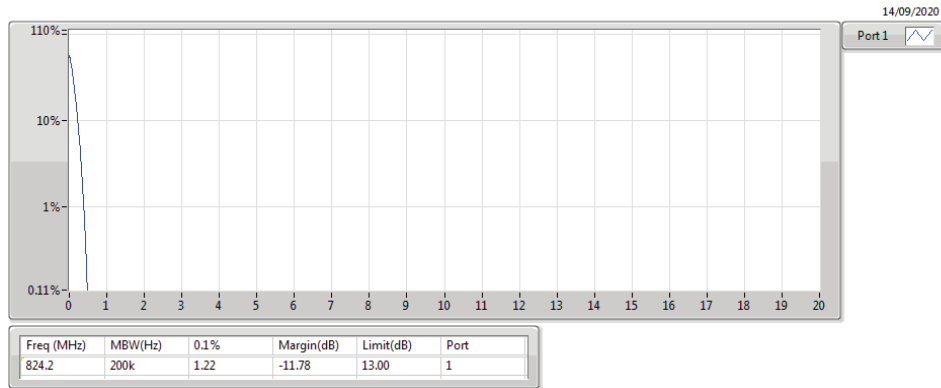
Result

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
850_GPRS_200kHz_Nss1_1TX	-	-	-	-	-
824.2MHz	Pass	824.2	13.00	1.22	1
836.4MHz	Pass	836.4	13.00	1.58	1
848.8MHz	Pass	848.8	13.00	1.24	1
1900_GPRS_200kHz_Nss1_1TX	-	-	-	-	-
1850.2MHz	Pass	1850.2	13.00	1.22	1
1880MHz	Pass	1880	13.00	1.21	1
1909.8MHz	Pass	1909.8	13.00	1.21	1
850_EGPRS_200kHz_Nss1_1TX	-	-	-	-	-
824.2MHz	Pass	824.2	13.00	3.81	1
836.4MHz	Pass	836.4	13.00	3.83	1
848.8MHz	Pass	848.8	13.00	3.81	1
1900_EGPRS_200kHz_Nss1_1TX	-	-	-	-	-
1850.2MHz	Pass	1850.2	13.00	3.91	1
1880MHz	Pass	1880	13.00	3.92	1
1909.8MHz	Pass	1909.8	13.00	3.88	1

850_GPRS_200kHz_Nss1_1TX

PAR

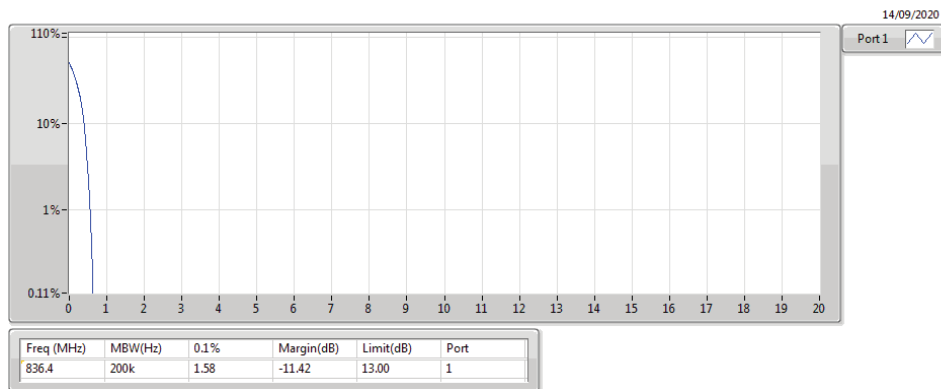
824.2MHz



850_GPRS_200kHz_Nss1_1TX

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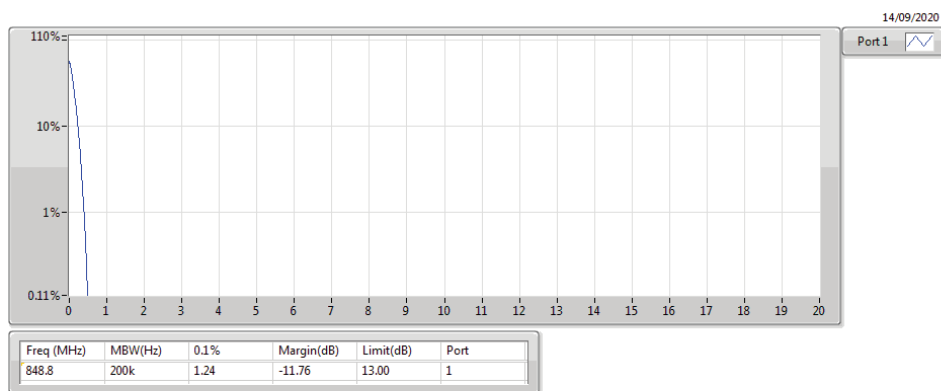
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850_GPRS_200kHz_Nss1_1TX

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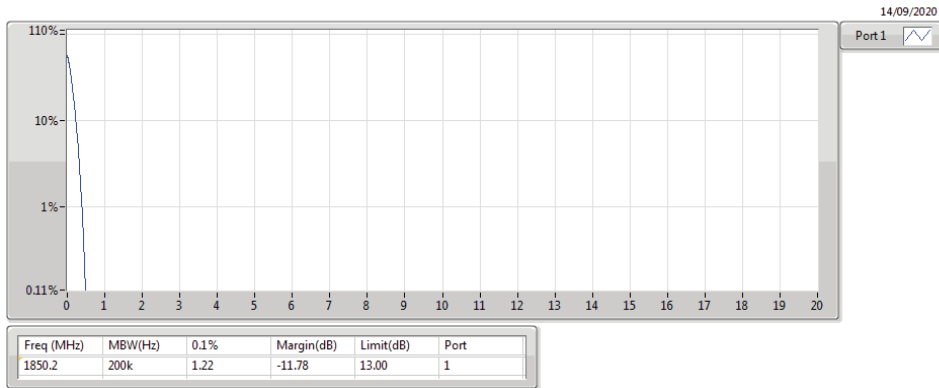
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1900_GPRS_200kHz_Nss1_1TX

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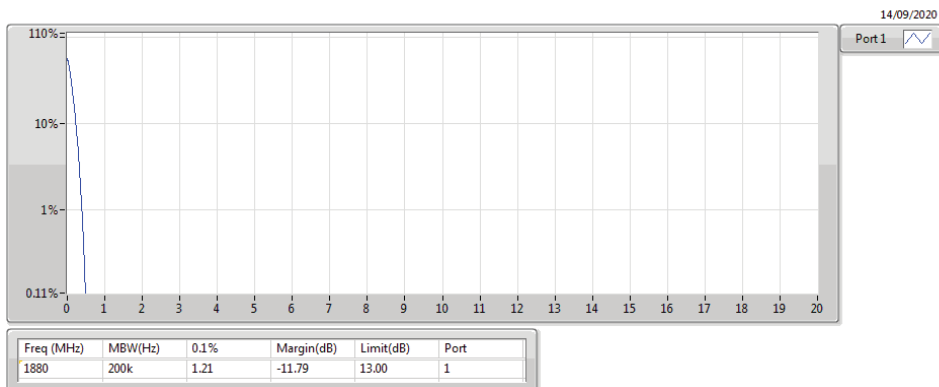
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1900_GPRS_200kHz_Nss1_1TX

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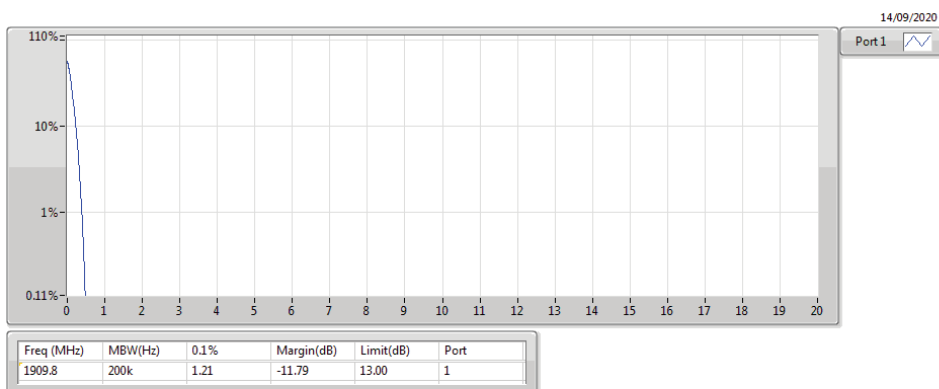
1880MHz



1900_GPRS_200kHz_Nss1_1TX

PAR

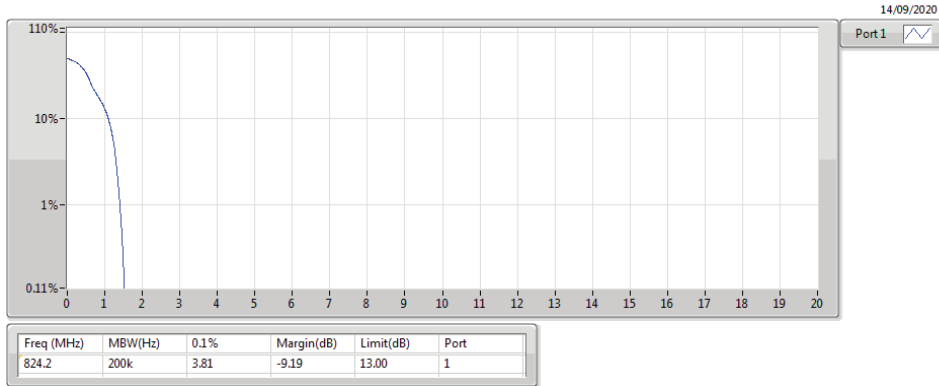
1909.8MHz



850_EGPRS_200kHz_Nss1_1TX

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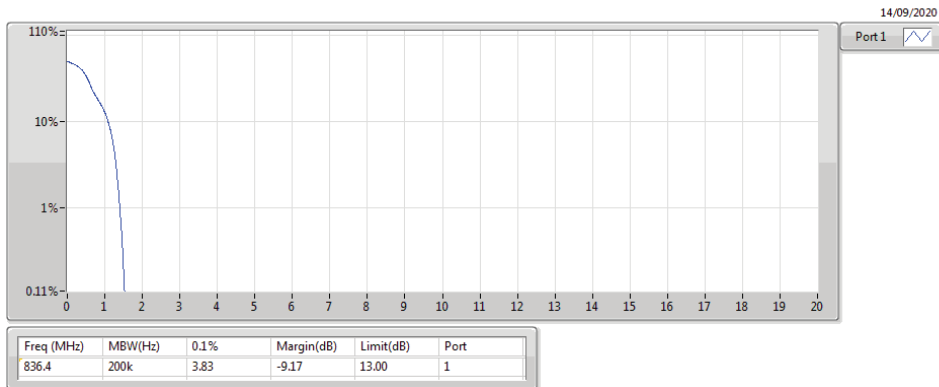
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850_EGPRS_200kHz_Nss1_1TX

PAR

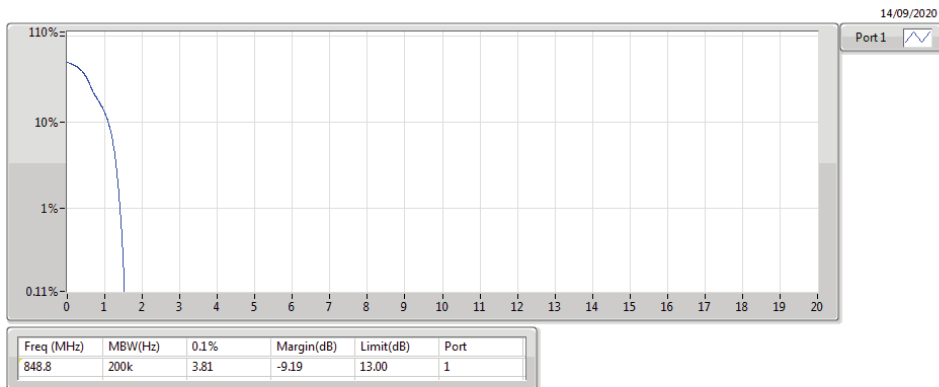
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850_EGPRS_200kHz_Nss1_1TX

PAR

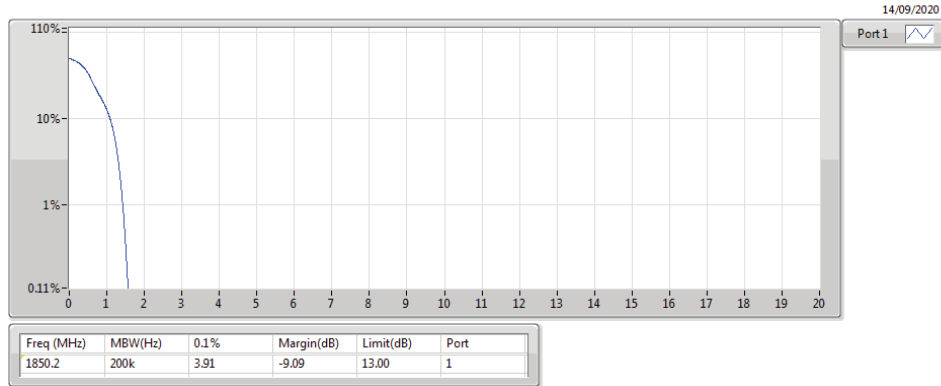
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1900_EGPRS_200kHz_Nss1_1TX

PAR

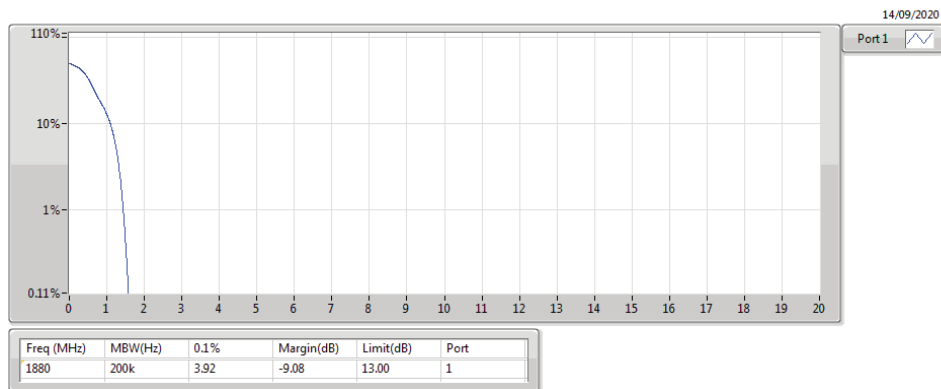
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1900_EGPRS_200kHz_Nss1_1TX

PAR

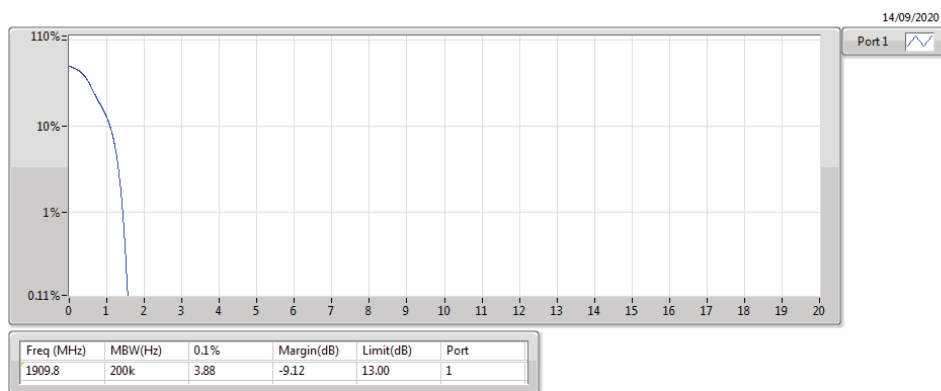
1880MHz



1900_EGPRS_200kHz_Nss1_1TX

PAR

1909.8MHz





Peak to Average Power Ratio (PAPR)_3G

Appendix B.2

Summary

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 2	-	-	-	-	-
WCDMA_5MHz_Nss1_1TX	Pass	1880	13.00	3.33	1



Peak to Average Power Ratio (PAPR)_3G

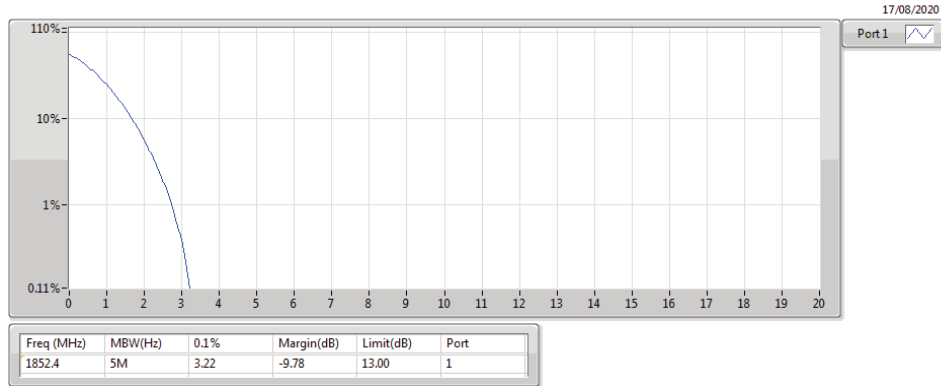
Appendix B.2

Result

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 2_WCDMA_5MHz_Nss1_1TX	-	-	-	-	-
1852.4MHz	Pass	1852.4	13.00	3.22	1
1880MHz	Pass	1880	13.00	3.33	1
1907.6MHz	Pass	1907.6	13.00	3.30	1

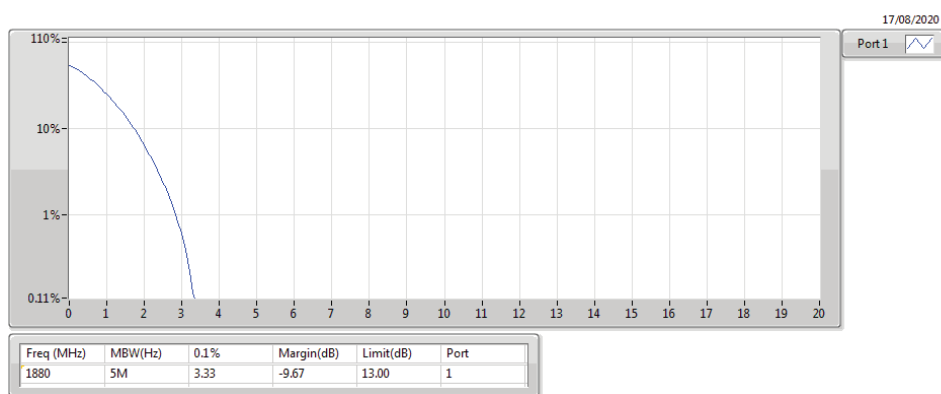
Band 2_WCDMA_5MHz_Nss1_1TX
1852.4MHz

PAR



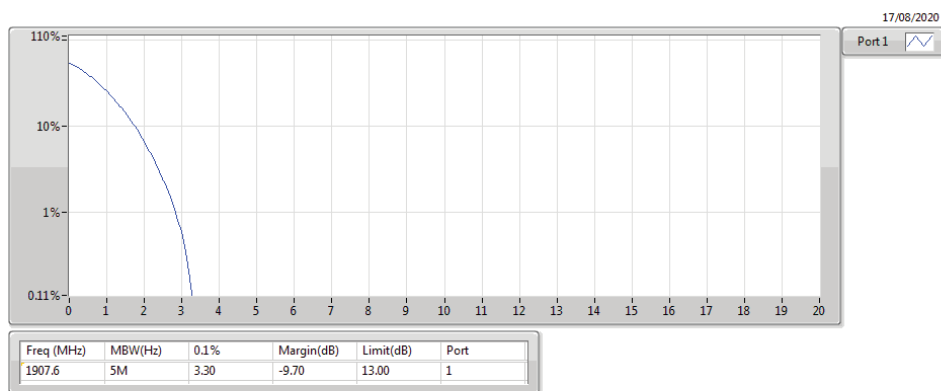
Band 2_WCDMA_5MHz_Nss1_1TX
1880MHz

PAR



Band 2_WCDMA_5MHz_Nss1_1TX
1907.6MHz

PAR



**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 2	-	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	Pass	1909.3	13.00	8.46	1
LTE_3MHz_Nss1,QPSK_1TX	Pass	1880	13.00	8.52	1
LTE_5MHz_Nss1,QPSK_1TX	Pass	1880	13.00	8.61	1
LTE_10MHz_Nss1,QPSK_1TX	Pass	1905	13.00	8.49	1
LTE_15MHz_Nss1,QPSK_1TX	Pass	1902.5	13.00	8.52	1
LTE_20MHz_Nss1,QPSK_1TX	Pass	1860	13.00	8.55	1
LTE_1.4MHz_Nss1,16QAM_1TX	Pass	1850.7	13.00	8.61	1
LTE_3MHz_Nss1,16QAM_1TX	Pass	1880	13.00	8.55	1
LTE_5MHz_Nss1,16QAM_1TX	Pass	1852.5	13.00	8.55	1
LTE_10MHz_Nss1,16QAM_1TX	Pass	1880	13.00	5.97	1
LTE_15MHz_Nss1,16QAM_1TX	Pass	1880	13.00	5.71	1
LTE_20MHz_Nss1,16QAM_1TX	Pass	1880	13.00	5.62	1
Band 4	-	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	Pass	1754.3	13.00	8.67	1
LTE_3MHz_Nss1,QPSK_1TX	Pass	1732.5	13.00	8.55	1
LTE_5MHz_Nss1,QPSK_1TX	Pass	1712.5	13.00	8.55	1
LTE_10MHz_Nss1,QPSK_1TX	Pass	1715	13.00	8.55	1
LTE_15MHz_Nss1,QPSK_1TX	Pass	1717.5	13.00	8.52	1
LTE_20MHz_Nss1,QPSK_1TX	Pass	1720	13.00	8.52	1
LTE_1.4MHz_Nss1,16QAM_1TX	Pass	1710.7	13.00	6.26	1
LTE_3MHz_Nss1,16QAM_1TX	Pass	1711.5	13.00	6.17	1
LTE_5MHz_Nss1,16QAM_1TX	Pass	1732.5	13.00	6.14	1
LTE_10MHz_Nss1,16QAM_1TX	Pass	1732.5	13.00	6.00	1
LTE_15MHz_Nss1,16QAM_1TX	Pass	1732.5	13.00	5.77	1
LTE_20MHz_Nss1,16QAM_1TX	Pass	1720	13.00	5.59	1
Band 7	-	-	-	-	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	2567.5	13.00	4.81	1
LTE_10MHz_Nss1,QPSK_1TX	Pass	2565	13.00	4.84	1
LTE_15MHz_Nss1,QPSK_1TX	Pass	2562.5	13.00	4.87	1
LTE_20MHz_Nss1,QPSK_1TX	Pass	2560	13.00	4.81	1
LTE_5MHz_Nss1,16QAM_1TX	Pass	2567.5	13.00	5.83	1
LTE_10MHz_Nss1,16QAM_1TX	Pass	2565	13.00	5.77	1
LTE_15MHz_Nss1,16QAM_1TX	Pass	2562.5	13.00	4.96	1
LTE_20MHz_Nss1,16QAM_1TX	Pass	2560	13.00	5.39	1



Result

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 2_LTE_1.4MHz_Nss1,QPSK_1TX	-	-	-	-	-
1850.7MHz_RB 6,#RB 0	Pass	1850.7	13.00	8.29	1
1850.7MHz_RB 1,#RB M	Pass	1850.7	13.00	8.43	1
1850.7MHz_RB 3,#RB M	Pass	1850.7	13.00	8.38	1
1880MHz_RB 6,#RB 0	Pass	1880	13.00	8.35	1
1880MHz_RB 1,#RB M	Pass	1880	13.00	8.43	1
1880MHz_RB 3,#RB M	Pass	1880	13.00	8.38	1
1909.3MHz_RB 6,#RB 0	Pass	1909.3	13.00	8.46	1
1909.3MHz_RB 1,#RB M	Pass	1909.3	13.00	8.46	1
1909.3MHz_RB 3,#RB M	Pass	1909.3	13.00	8.46	1
Band 2_LTE_3MHz_Nss1,QPSK_1TX	-	-	-	-	-
1851.5MHz_RB 15,#RB 0	Pass	1851.5	13.00	8.46	1
1851.5MHz_RB 1,#RB M	Pass	1851.5	13.00	8.43	1
1851.5MHz_RB 8,#RB M	Pass	1851.5	13.00	8.46	1
1880MHz_RB 15,#RB 0	Pass	1880	13.00	8.41	1
1880MHz_RB 1,#RB M	Pass	1880	13.00	8.52	1
1880MHz_RB 8,#RB M	Pass	1880	13.00	8.41	1
1908.5MHz_RB 15,#RB 0	Pass	1908.5	13.00	8.38	1
1908.5MHz_RB 1,#RB M	Pass	1908.5	13.00	8.35	1
1908.5MHz_RB 8,#RB M	Pass	1908.5	13.00	8.35	1
Band 2_LTE_5MHz_Nss1,QPSK_1TX	-	-	-	-	-
1852.5MHz_RB 25,#RB 0	Pass	1852.5	13.00	8.52	1
1852.5MHz_RB 1,#RB M	Pass	1852.5	13.00	8.41	1
1852.5MHz_RB 12,#RB M	Pass	1852.5	13.00	8.52	1
1880MHz_RB 25,#RB 0	Pass	1880	13.00	8.43	1
1880MHz_RB 1,#RB M	Pass	1880	13.00	8.46	1
1880MHz_RB 12,#RB M	Pass	1880	13.00	8.61	1
1907.5MHz_RB 25,#RB 0	Pass	1907.5	13.00	8.43	1
1907.5MHz_RB 1,#RB M	Pass	1907.5	13.00	8.46	1
1907.5MHz_RB 12,#RB M	Pass	1907.5	13.00	8.55	1
Band 2_LTE_10MHz_Nss1,QPSK_1TX	-	-	-	-	-
1855MHz_RB 50,#RB 0	Pass	1855	13.00	8.43	1
1855MHz_RB 1,#RB M	Pass	1855	13.00	8.41	1
1855MHz_RB 25,#RB M	Pass	1855	13.00	8.41	1
1880MHz_RB 50,#RB 0	Pass	1880	13.00	8.41	1
1880MHz_RB 1,#RB M	Pass	1880	13.00	8.43	1
1880MHz_RB 25,#RB M	Pass	1880	13.00	8.38	1
1905MHz_RB 50,#RB 0	Pass	1905	13.00	8.49	1
1905MHz_RB 1,#RB M	Pass	1905	13.00	8.46	1
1905MHz_RB 25,#RB M	Pass	1905	13.00	8.41	1
Band 2_LTE_15MHz_Nss1,QPSK_1TX	-	-	-	-	-
1857.5MHz_RB 75,#RB 0	Pass	1857.5	13.00	8.43	1
1857.5MHz_RB 1,#RB M	Pass	1857.5	13.00	8.49	1
1857.5MHz_RB 36,#RB M	Pass	1857.5	13.00	8.38	1



Peak to Average Power Ratio (PAPR)_4G

Appendix B.3

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
1880MHz_RB 75,#RB 0	Pass	1880	13.00	8.46	1
1880MHz_RB 1,#RB M	Pass	1880	13.00	8.41	1
1880MHz_RB 36,#RB M	Pass	1880	13.00	8.49	1
1902.5MHz_RB 75,#RB 0	Pass	1902.5	13.00	8.49	1
1902.5MHz_RB 1,#RB M	Pass	1902.5	13.00	8.35	1
1902.5MHz_RB 36,#RB M	Pass	1902.5	13.00	8.52	1
Band 2_LTE_20MHz_Nss1,QPSK_1TX	-	-	-	-	-
1860MHz_RB 100,#RB 0	Pass	1860	13.00	8.55	1
1860MHz_RB 1,#RB M	Pass	1860	13.00	8.43	1
1860MHz_RB 50,#RB M	Pass	1860	13.00	8.52	1
1880MHz_RB 100,#RB 0	Pass	1880	13.00	8.46	1
1880MHz_RB 1,#RB M	Pass	1880	13.00	8.46	1
1880MHz_RB 50,#RB M	Pass	1880	13.00	8.41	1
1900MHz_RB 100,#RB 0	Pass	1900	13.00	8.43	1
1900MHz_RB 1,#RB M	Pass	1900	13.00	8.52	1
1900MHz_RB 50,#RB M	Pass	1900	13.00	8.49	1
Band 2_LTE_1.4MHz_Nss1,16QAM_1TX	-	-	-	-	-
1850.7MHz_RB 6,#RB 0	Pass	1850.7	13.00	8.38	1
1850.7MHz_RB 1,#RB M	Pass	1850.7	13.00	8.43	1
1850.7MHz_RB 3,#RB M	Pass	1850.7	13.00	8.61	1
1880MHz_RB 6,#RB 0	Pass	1880	13.00	8.38	1
1880MHz_RB 1,#RB M	Pass	1880	13.00	8.43	1
1880MHz_RB 3,#RB M	Pass	1880	13.00	8.61	1
1909.3MHz_RB 6,#RB 0	Pass	1909.3	13.00	8.29	1
1909.3MHz_RB 1,#RB M	Pass	1909.3	13.00	8.55	1
1909.3MHz_RB 3,#RB M	Pass	1909.3	13.00	8.23	1
Band 2_LTE_3MHz_Nss1,16QAM_1TX	-	-	-	-	-
1851.5MHz_RB 15,#RB 0	Pass	1851.5	13.00	8.32	1
1851.5MHz_RB 1,#RB M	Pass	1851.5	13.00	8.32	1
1851.5MHz_RB 8,#RB M	Pass	1851.5	13.00	8.41	1
1880MHz_RB 15,#RB 0	Pass	1880	13.00	8.55	1
1880MHz_RB 1,#RB M	Pass	1880	13.00	8.52	1
1880MHz_RB 8,#RB M	Pass	1880	13.00	8.35	1
1908.5MHz_RB 15,#RB 0	Pass	1908.5	13.00	8.43	1
1908.5MHz_RB 1,#RB M	Pass	1908.5	13.00	8.38	1
1908.5MHz_RB 8,#RB M	Pass	1908.5	13.00	8.35	1
Band 2_LTE_5MHz_Nss1,16QAM_1TX	-	-	-	-	-
1852.5MHz_RB 25,#RB 0	Pass	1852.5	13.00	8.55	1
1852.5MHz_RB 1,#RB M	Pass	1852.5	13.00	8.43	1
1852.5MHz_RB 12,#RB M	Pass	1852.5	13.00	8.52	1
1880MHz_RB 25,#RB 0	Pass	1880	13.00	8.46	1
1880MHz_RB 1,#RB M	Pass	1880	13.00	8.41	1
1880MHz_RB 12,#RB M	Pass	1880	13.00	8.49	1
1907.5MHz_RB 25,#RB 0	Pass	1907.5	13.00	8.46	1
1907.5MHz_RB 1,#RB M	Pass	1907.5	13.00	8.49	1



Peak to Average Power Ratio (PAPR)_4G

Appendix B.3

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
1907.5MHz_RB 12,#RB M	Pass	1907.5	13.00	8.41	1
Band 2_LTE_10MHz_Nss1,16QAM_1TX	-	-	-	-	-
1855MHz_RB 1,#RB M	Pass	1855	13.00	5.48	1
1855MHz_RB 25,#RB M	Pass	1855	13.00	5.86	1
1880MHz_RB 1,#RB M	Pass	1880	13.00	5.45	1
1880MHz_RB 25,#RB M	Pass	1880	13.00	5.97	1
1905MHz_RB 1,#RB M	Pass	1905	13.00	5.22	1
1905MHz_RB 25,#RB M	Pass	1905	13.00	5.94	1
Band 2_LTE_15MHz_Nss1,16QAM_1TX	-	-	-	-	-
1857.5MHz_RB 1,#RB M	Pass	1857.5	13.00	5.57	1
1880MHz_RB 1,#RB M	Pass	1880	13.00	5.71	1
1902.5MHz_RB 1,#RB M	Pass	1902.5	13.00	5.36	1
Band 2_LTE_20MHz_Nss1,16QAM_1TX	-	-	-	-	-
1860MHz_RB 1,#RB M	Pass	1860	13.00	5.57	1
1880MHz_RB 1,#RB M	Pass	1880	13.00	5.62	1
1900MHz_RB 1,#RB M	Pass	1900	13.00	5.33	1
Band 4_LTE_1.4MHz_Nss1,QPSK_1TX	-	-	-	-	-
1710.7MHz_RB 6,#RB 0	Pass	1710.7	13.00	8.55	1
1710.7MHz_RB 1,#RB M	Pass	1710.7	13.00	8.58	1
1710.7MHz_RB 3,#RB M	Pass	1710.7	13.00	8.58	1
1732.5MHz_RB 6,#RB 0	Pass	1732.5	13.00	8.49	1
1732.5MHz_RB 1,#RB M	Pass	1732.5	13.00	8.49	1
1732.5MHz_RB 3,#RB M	Pass	1732.5	13.00	8.58	1
1754.3MHz_RB 6,#RB 0	Pass	1754.3	13.00	8.43	1
1754.3MHz_RB 1,#RB M	Pass	1754.3	13.00	8.52	1
1754.3MHz_RB 3,#RB M	Pass	1754.3	13.00	8.67	1
Band 4_LTE_3MHz_Nss1,QPSK_1TX	-	-	-	-	-
1711.5MHz_RB 15,#RB 0	Pass	1711.5	13.00	8.49	1
1711.5MHz_RB 1,#RB M	Pass	1711.5	13.00	8.43	1
1711.5MHz_RB 8,#RB M	Pass	1711.5	13.00	8.46	1
1732.5MHz_RB 15,#RB 0	Pass	1732.5	13.00	8.38	1
1732.5MHz_RB 1,#RB M	Pass	1732.5	13.00	8.43	1
1732.5MHz_RB 8,#RB M	Pass	1732.5	13.00	8.55	1
1753.5MHz_RB 15,#RB 0	Pass	1753.5	13.00	8.46	1
1753.5MHz_RB 1,#RB M	Pass	1753.5	13.00	8.49	1
1753.5MHz_RB 8,#RB M	Pass	1753.5	13.00	8.46	1
Band 4_LTE_5MHz_Nss1,QPSK_1TX	-	-	-	-	-
1712.5MHz_RB 25,#RB 0	Pass	1712.5	13.00	8.46	1
1712.5MHz_RB 1,#RB M	Pass	1712.5	13.00	8.46	1
1712.5MHz_RB 12,#RB M	Pass	1712.5	13.00	8.55	1
1732.5MHz_RB 25,#RB 0	Pass	1732.5	13.00	8.38	1
1732.5MHz_RB 1,#RB M	Pass	1732.5	13.00	8.52	1
1732.5MHz_RB 12,#RB M	Pass	1732.5	13.00	8.43	1
1752.5MHz_RB 25,#RB 0	Pass	1752.5	13.00	8.41	1
1752.5MHz_RB 1,#RB M	Pass	1752.5	13.00	8.49	1



Peak to Average Power Ratio (PAPR)_4G

Appendix B.3

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
1752.5MHz_RB 12,#RB M	Pass	1752.5	13.00	8.55	1
Band 4_LTE_10MHz_Nss1,QPSK_1TX	-	-	-	-	-
1715MHz_RB 50,#RB 0	Pass	1715	13.00	8.41	1
1715MHz_RB 1,#RB M	Pass	1715	13.00	8.55	1
1715MHz_RB 25,#RB M	Pass	1715	13.00	8.46	1
1732.5MHz_RB 50,#RB 0	Pass	1732.5	13.00	8.38	1
1732.5MHz_RB 1,#RB M	Pass	1732.5	13.00	8.55	1
1732.5MHz_RB 25,#RB M	Pass	1732.5	13.00	8.49	1
1750MHz_RB 50,#RB 0	Pass	1750	13.00	8.55	1
1750MHz_RB 1,#RB M	Pass	1750	13.00	8.46	1
1750MHz_RB 25,#RB M	Pass	1750	13.00	8.55	1
Band 4_LTE_15MHz_Nss1,QPSK_1TX	-	-	-	-	-
1717.5MHz_RB 75,#RB 0	Pass	1717.5	13.00	8.46	1
1717.5MHz_RB 1,#RB M	Pass	1717.5	13.00	8.41	1
1717.5MHz_RB 36,#RB M	Pass	1717.5	13.00	8.52	1
1732.5MHz_RB 75,#RB 0	Pass	1732.5	13.00	8.41	1
1732.5MHz_RB 1,#RB M	Pass	1732.5	13.00	8.41	1
1732.5MHz_RB 36,#RB M	Pass	1732.5	13.00	8.41	1
1747.5MHz_RB 75,#RB 0	Pass	1747.5	13.00	8.43	1
1747.5MHz_RB 1,#RB M	Pass	1747.5	13.00	8.43	1
1747.5MHz_RB 36,#RB M	Pass	1747.5	13.00	8.46	1
Band 4_LTE_20MHz_Nss1,QPSK_1TX	-	-	-	-	-
1720MHz_RB 100,#RB 0	Pass	1720	13.00	8.46	1
1720MHz_RB 1,#RB M	Pass	1720	13.00	8.43	1
1720MHz_RB 50,#RB M	Pass	1720	13.00	8.52	1
1732.5MHz_RB 100,#RB 0	Pass	1732.5	13.00	8.43	1
1732.5MHz_RB 1,#RB M	Pass	1732.5	13.00	8.49	1
1732.5MHz_RB 50,#RB M	Pass	1732.5	13.00	8.38	1
1745MHz_RB 100,#RB 0	Pass	1745	13.00	8.46	1
1745MHz_RB 1,#RB M	Pass	1745	13.00	8.46	1
1745MHz_RB 50,#RB M	Pass	1745	13.00	8.46	1
Band 4_LTE_1.4MHz_Nss1,16QAM_1TX	-	-	-	-	-
1710.7MHz_RB 6,#RB 0	Pass	1710.7	13.00	6.26	1
1710.7MHz_RB 1,#RB M	Pass	1710.7	13.00	5.57	1
1710.7MHz_RB 3,#RB M	Pass	1710.7	13.00	5.80	1
1732.5MHz_RB 6,#RB 0	Pass	1732.5	13.00	6.26	1
1732.5MHz_RB 1,#RB M	Pass	1732.5	13.00	5.45	1
1732.5MHz_RB 3,#RB M	Pass	1732.5	13.00	5.83	1
1754.3MHz_RB 6,#RB 0	Pass	1754.3	13.00	6.12	1
1754.3MHz_RB 1,#RB M	Pass	1754.3	13.00	5.33	1
1754.3MHz_RB 3,#RB M	Pass	1754.3	13.00	5.71	1
Band 4_LTE_3MHz_Nss1,16QAM_1TX	-	-	-	-	-
1711.5MHz_RB 15,#RB 0	Pass	1711.5	13.00	6.17	1
1711.5MHz_RB 1,#RB M	Pass	1711.5	13.00	5.65	1
1711.5MHz_RB 8,#RB M	Pass	1711.5	13.00	6.06	1



Peak to Average Power Ratio (PAPR)_4G

Appendix B.3

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
1732.5MHz_RB 15,#RB 0	Pass	1732.5	13.00	6.17	1
1732.5MHz_RB 1,#RB M	Pass	1732.5	13.00	5.59	1
1732.5MHz_RB 8,#RB M	Pass	1732.5	13.00	6.03	1
1753.5MHz_RB 15,#RB 0	Pass	1753.5	13.00	6.09	1
1753.5MHz_RB 1,#RB M	Pass	1753.5	13.00	5.33	1
1753.5MHz_RB 8,#RB M	Pass	1753.5	13.00	5.94	1
Band 4_LTE_5MHz_Nss1,16QAM_1TX	-	-	-	-	-
1712.5MHz_RB 25,#RB 0	Pass	1712.5	13.00	6.12	1
1712.5MHz_RB 1,#RB M	Pass	1712.5	13.00	5.48	1
1712.5MHz_RB 12,#RB M	Pass	1712.5	13.00	6.00	1
1732.5MHz_RB 25,#RB 0	Pass	1732.5	13.00	6.14	1
1732.5MHz_RB 1,#RB M	Pass	1732.5	13.00	5.59	1
1732.5MHz_RB 12,#RB M	Pass	1732.5	13.00	5.97	1
1752.5MHz_RB 25,#RB 0	Pass	1752.5	13.00	6.09	1
1752.5MHz_RB 1,#RB M	Pass	1752.5	13.00	5.39	1
1752.5MHz_RB 12,#RB M	Pass	1752.5	13.00	5.88	1
Band 4_LTE_10MHz_Nss1,16QAM_1TX	-	-	-	-	-
1715MHz_RB 1,#RB M	Pass	1715	13.00	5.71	1
1715MHz_RB 25,#RB M	Pass	1715	13.00	5.97	1
1732.5MHz_RB 1,#RB M	Pass	1732.5	13.00	5.57	1
1732.5MHz_RB 25,#RB M	Pass	1732.5	13.00	6.00	1
1750MHz_RB 1,#RB M	Pass	1750	13.00	5.30	1
1750MHz_RB 25,#RB M	Pass	1750	13.00	5.91	1
Band 4_LTE_15MHz_Nss1,16QAM_1TX	-	-	-	-	-
1717.5MHz_RB 1,#RB M	Pass	1717.5	13.00	5.68	1
1732.5MHz_RB 1,#RB M	Pass	1732.5	13.00	5.77	1
1747.5MHz_RB 1,#RB M	Pass	1747.5	13.00	5.33	1
Band 4_LTE_20MHz_Nss1,16QAM_1TX	-	-	-	-	-
1720MHz_RB 1,#RB M	Pass	1720	13.00	5.59	1
1732.5MHz_RB 1,#RB M	Pass	1732.5	13.00	5.57	1
1745MHz_RB 1,#RB M	Pass	1745	13.00	5.42	1
Band 7_LTE_5MHz_Nss1,QPSK_1TX	-	-	-	-	-
2502.5MHz_RB 25,#RB 0	Pass	2502.5	13.00	4.14	1
2502.5MHz_RB 1,#RB M	Pass	2502.5	13.00	3.68	1
2502.5MHz_RB 12,#RB M	Pass	2502.5	13.00	4.41	1
2535MHz_RB 25,#RB 0	Pass	2535	13.00	4.17	1
2535MHz_RB 1,#RB M	Pass	2535	13.00	3.77	1
2535MHz_RB 12,#RB M	Pass	2535	13.00	4.35	1
2567.5MHz_RB 25,#RB 0	Pass	2567.5	13.00	4.49	1
2567.5MHz_RB 1,#RB M	Pass	2567.5	13.00	4.09	1
2567.5MHz_RB 12,#RB M	Pass	2567.5	13.00	4.81	1
Band 7_LTE_10MHz_Nss1,QPSK_1TX	-	-	-	-	-
2505MHz_RB 50,#RB 0	Pass	2505	13.00	4.55	1
2505MHz_RB 1,#RB M	Pass	2505	13.00	3.51	1
2505MHz_RB 25,#RB M	Pass	2505	13.00	4.49	1



Peak to Average Power Ratio (PAPR)_4G

Appendix B.3

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
2535MHz_RB 50,#RB 0	Pass	2535	13.00	4.43	1
2535MHz_RB 1,#RB M	Pass	2535	13.00	3.62	1
2535MHz_RB 25,#RB M	Pass	2535	13.00	4.35	1
2565MHz_RB 50,#RB 0	Pass	2565	13.00	4.84	1
2565MHz_RB 1,#RB M	Pass	2565	13.00	4.06	1
2565MHz_RB 25,#RB M	Pass	2565	13.00	4.84	1
Band 7_LTE_15MHz_Nss1,QPSK_1TX	-	-	-	-	-
2507.5MHz_RB 75,#RB 0	Pass	2507.5	13.00	4.84	1
2507.5MHz_RB 1,#RB M	Pass	2507.5	13.00	3.80	1
2507.5MHz_RB 36,#RB M	Pass	2507.5	13.00	4.58	1
2535MHz_RB 75,#RB 0	Pass	2535	13.00	4.09	1
2535MHz_RB 1,#RB M	Pass	2535	13.00	3.68	1
2535MHz_RB 36,#RB M	Pass	2535	13.00	4.38	1
2562.5MHz_RB 75,#RB 0	Pass	2562.5	13.00	4.38	1
2562.5MHz_RB 1,#RB M	Pass	2562.5	13.00	4.17	1
2562.5MHz_RB 36,#RB M	Pass	2562.5	13.00	4.87	1
Band 7_LTE_20MHz_Nss1,QPSK_1TX	-	-	-	-	-
2510MHz_RB 100,#RB 0	Pass	2510	13.00	3.91	1
2510MHz_RB 1,#RB M	Pass	2510	13.00	3.71	1
2510MHz_RB 50,#RB M	Pass	2510	13.00	4.61	1
2535MHz_RB 100,#RB 0	Pass	2535	13.00	3.77	1
2535MHz_RB 1,#RB M	Pass	2535	13.00	3.57	1
2535MHz_RB 50,#RB M	Pass	2535	13.00	4.35	1
2560MHz_RB 100,#RB 0	Pass	2560	13.00	3.94	1
2560MHz_RB 1,#RB M	Pass	2560	13.00	4.00	1
2560MHz_RB 50,#RB M	Pass	2560	13.00	4.81	1
Band 7_LTE_5MHz_Nss1,16QAM_1TX	-	-	-	-	-
2502.5MHz_RB 25,#RB 0	Pass	2502.5	13.00	5.42	1
2502.5MHz_RB 1,#RB M	Pass	2502.5	13.00	4.58	1
2502.5MHz_RB 12,#RB M	Pass	2502.5	13.00	5.25	1
2535MHz_RB 25,#RB 0	Pass	2535	13.00	5.39	1
2535MHz_RB 1,#RB M	Pass	2535	13.00	4.58	1
2535MHz_RB 12,#RB M	Pass	2535	13.00	5.30	1
2567.5MHz_RB 25,#RB 0	Pass	2567.5	13.00	5.83	1
2567.5MHz_RB 1,#RB M	Pass	2567.5	13.00	5.13	1
2567.5MHz_RB 12,#RB M	Pass	2567.5	13.00	5.68	1
Band 7_LTE_10MHz_Nss1,16QAM_1TX	-	-	-	-	-
2505MHz_RB 1,#RB M	Pass	2505	13.00	4.58	1
2505MHz_RB 25,#RB M	Pass	2505	13.00	5.30	1
2535MHz_RB 1,#RB M	Pass	2535	13.00	4.58	1
2535MHz_RB 25,#RB M	Pass	2535	13.00	5.22	1
2565MHz_RB 1,#RB M	Pass	2565	13.00	5.13	1
2565MHz_RB 25,#RB M	Pass	2565	13.00	5.77	1
Band 7_LTE_15MHz_Nss1,16QAM_1TX	-	-	-	-	-
2507.5MHz_RB 1,#RB M	Pass	2507.5	13.00	4.78	1



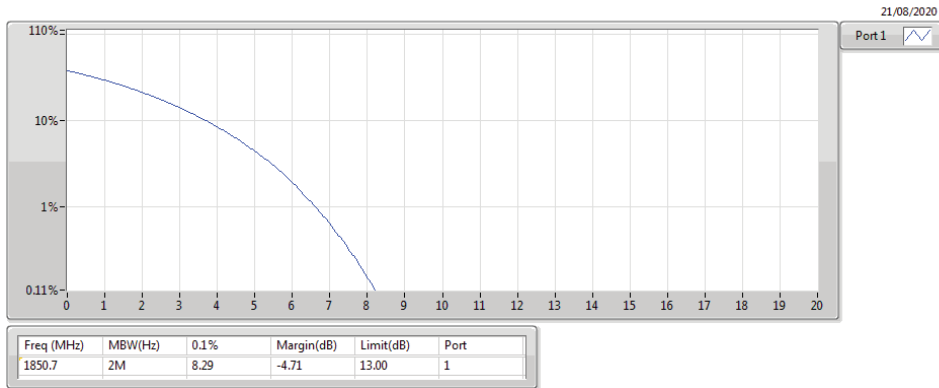
Peak to Average Power Ratio (PAPR)_4G

Appendix B.3

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
2535MHz_RB 1,#RB M	Pass	2535	13.00	4.58	1
2562.5MHz_RB 1,#RB M	Pass	2562.5	13.00	4.96	1
Band 7_LTE_20MHz_Nss1,16QAM_1TX	-	-	-	-	-
2510MHz_RB 1,#RB M	Pass	2510	13.00	4.72	1
2535MHz_RB 1,#RB M	Pass	2535	13.00	4.52	1
2560MHz_RB 1,#RB M	Pass	2560	13.00	5.39	1

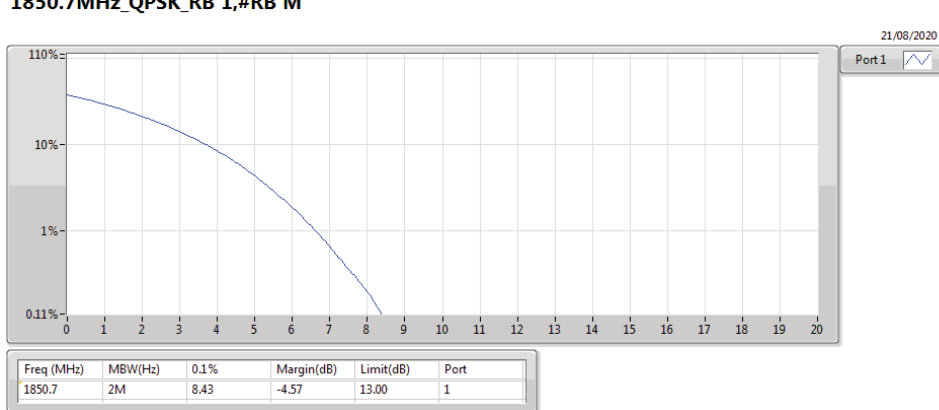
Band 2_LTE_1.4MHz_Nss1,QPSK_1TX
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PAR



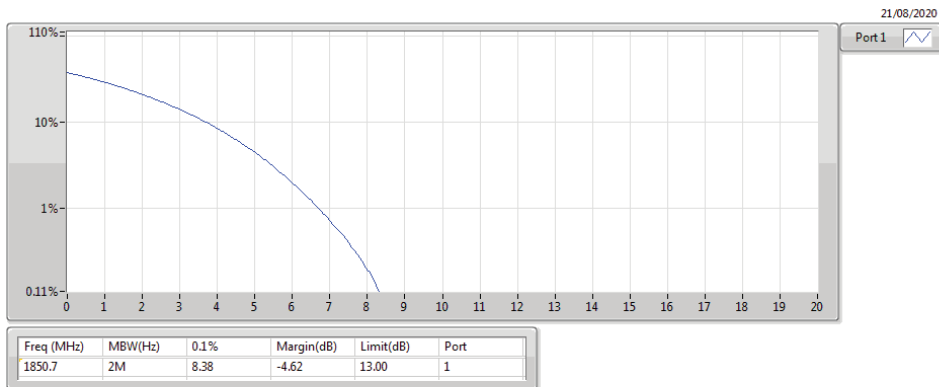
Band 2_LTE_1.4MHz_Nss1,QPSK_1TX
1850.7MHz_QPSK_RB 1,#RB M

PAR



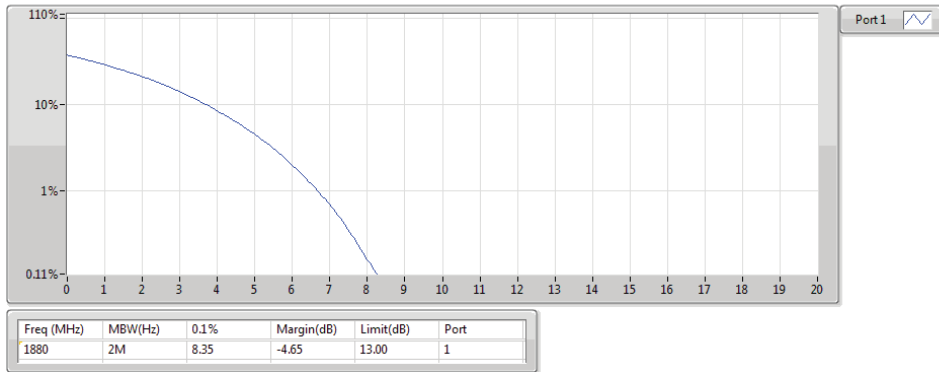
Band 2_LTE_1.4MHz_Nss1,QPSK_1TX
1850.7MHz_QPSK_RB 3,#RB M

PAR



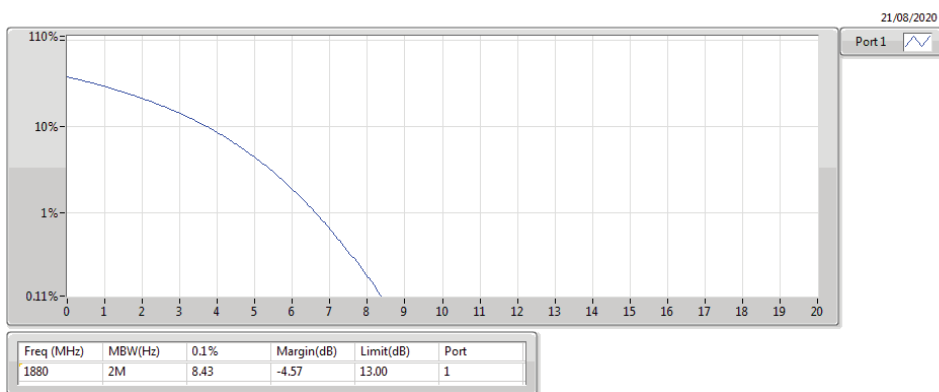
Band 2_LTE_1.4MHz_Nss1,QPSK_1TX
1880MHz_QPSK_RB 6,#RB 0

PAR



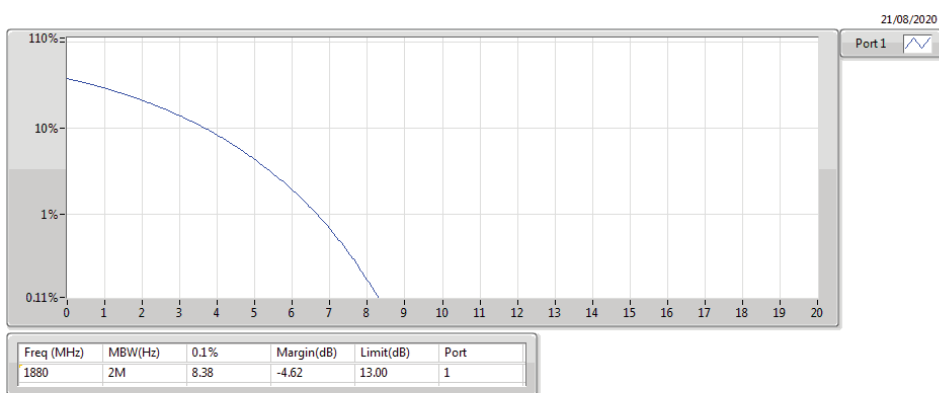
Band 2_LTE_1.4MHz_Nss1,QPSK_1TX
1880MHz_QPSK_RB 1,#RB M

PAR



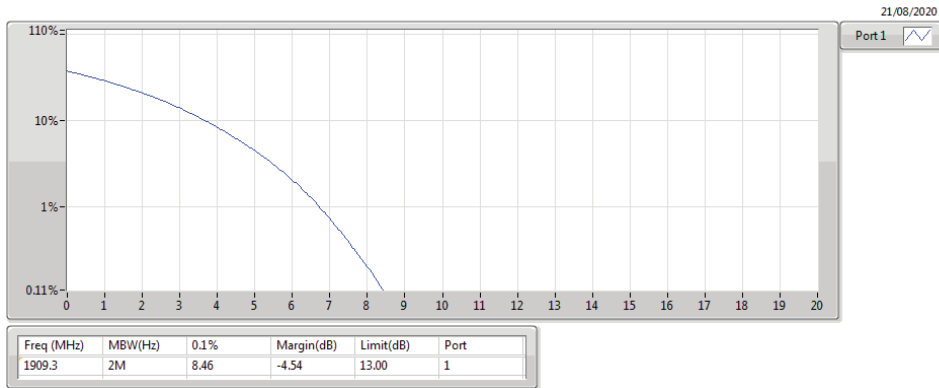
Band 2_LTE_1.4MHz_Nss1,QPSK_1TX
1880MHz_QPSK_RB 3,#RB M

PAR



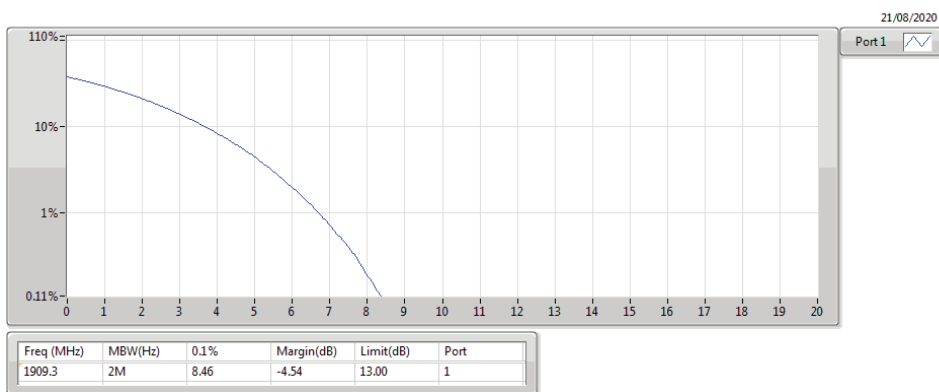
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1909.3MHz_QPSK_RB 6,#RB 0

PAR



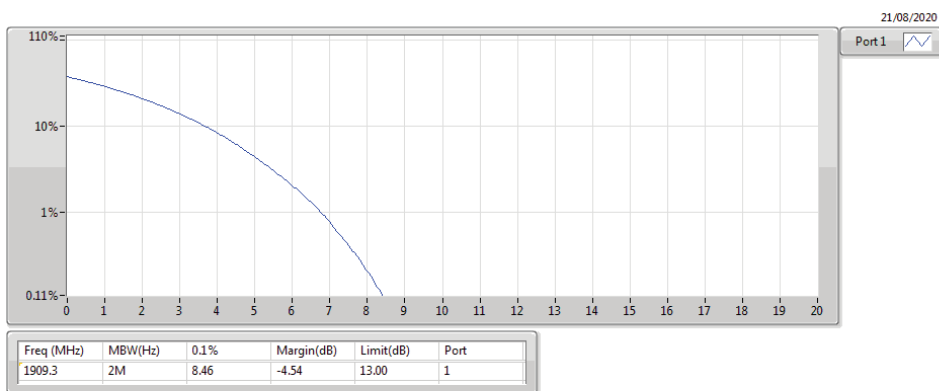
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1909.3MHz_QPSK_RB 1,#RB M

PAR



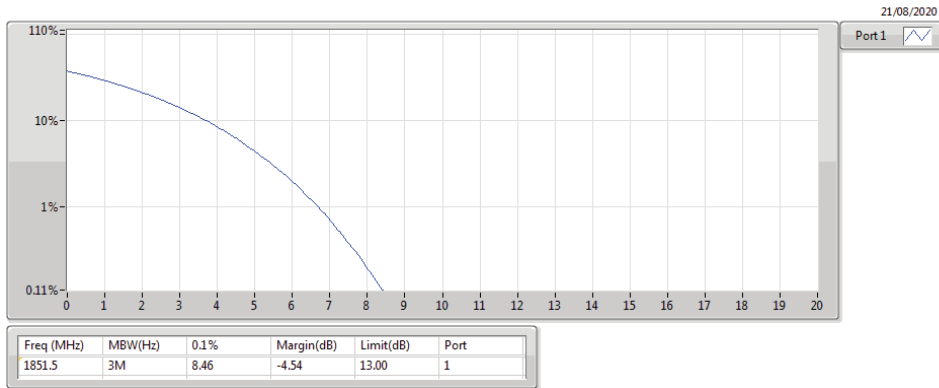
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1909.3MHz_QPSK_RB 3,#RB M

PAR



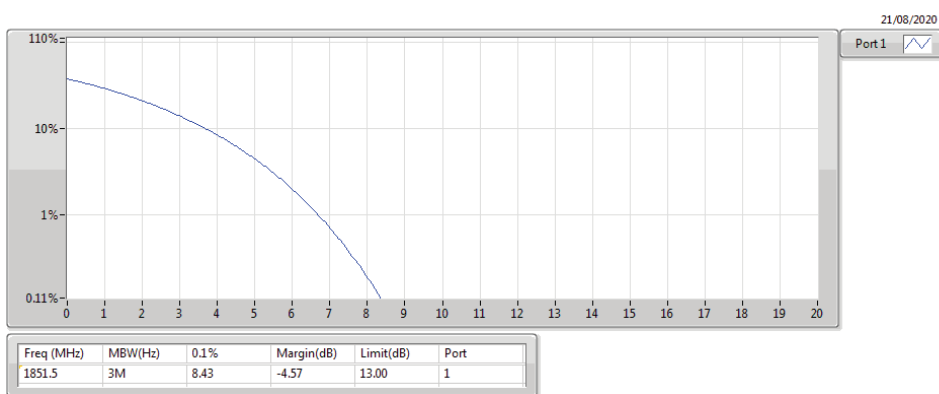
Band 2_LTE_3MHz_Nss1,QPSK_1TX
1851.5MHz_QPSK_RB 15,#RB 0

PAR



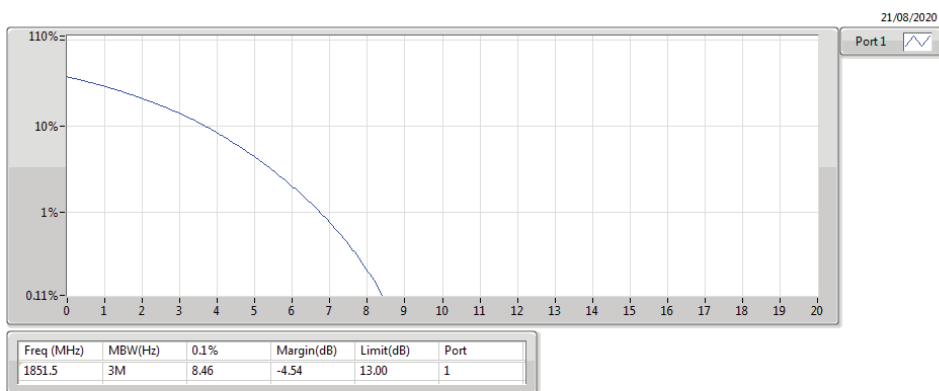
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1851.5MHz_QPSK_RB 1,#RB M

PAR



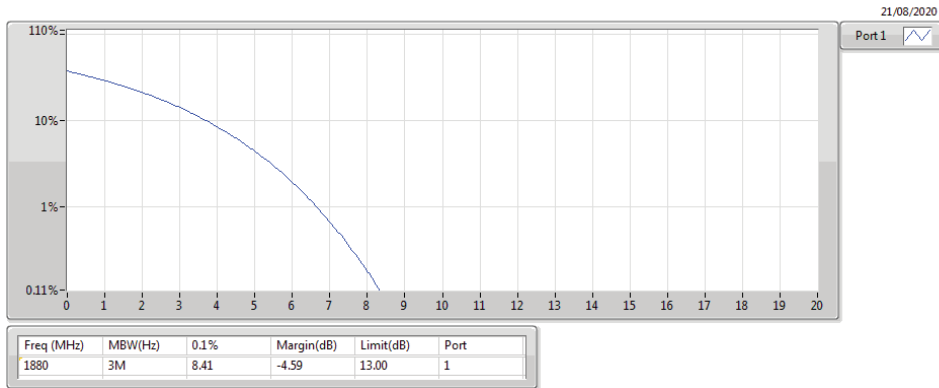
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1851.5MHz_QPSK_RB 8,#RB M

PAR



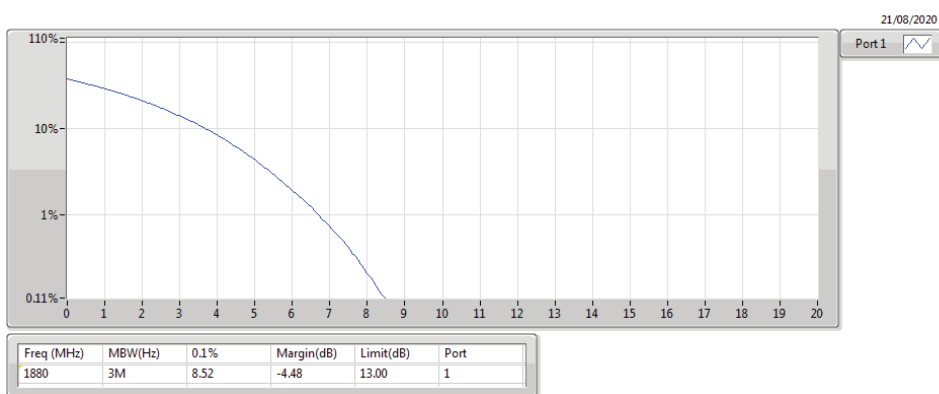
Band 2_LTE_3MHz_Nss1,QPSK_1TX
1880MHz_QPSK_RB 15,#RB 0

PAR



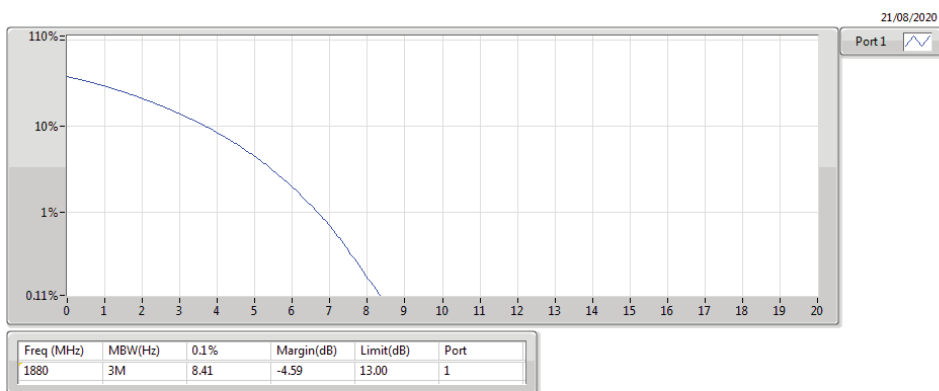
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1880MHz_QPSK_RB 1,#RB M

PAR



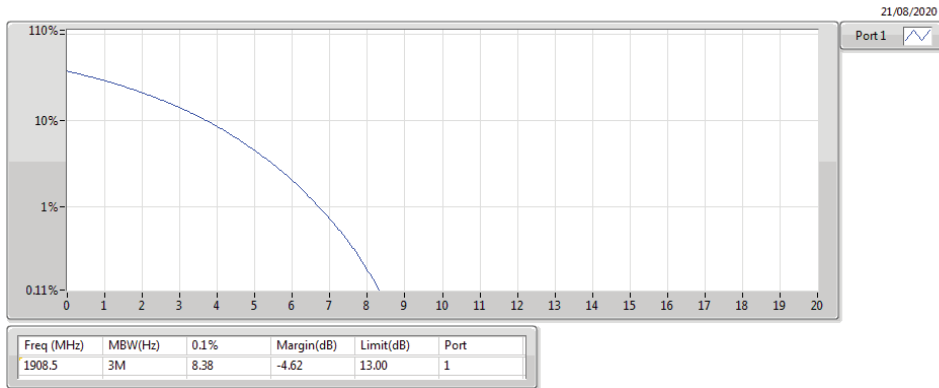
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PAR



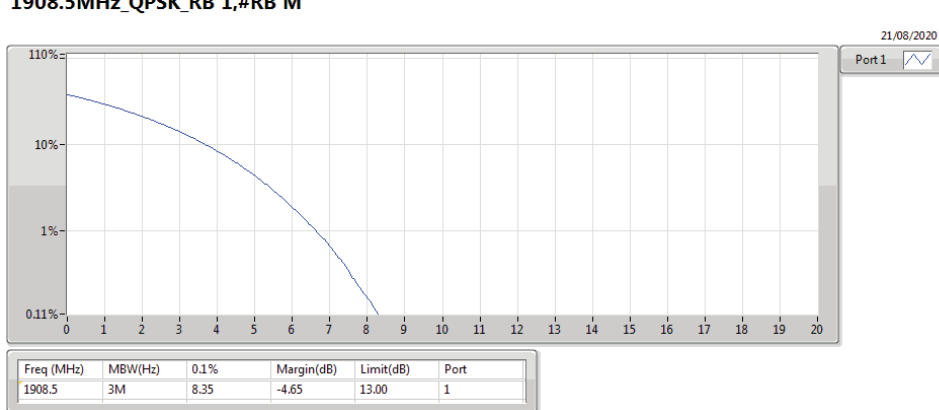
Band 2_LTE_3MHz_Nss1,QPSK_1TX
1908.5MHz_QPSK_RB 15,#RB 0

PAR



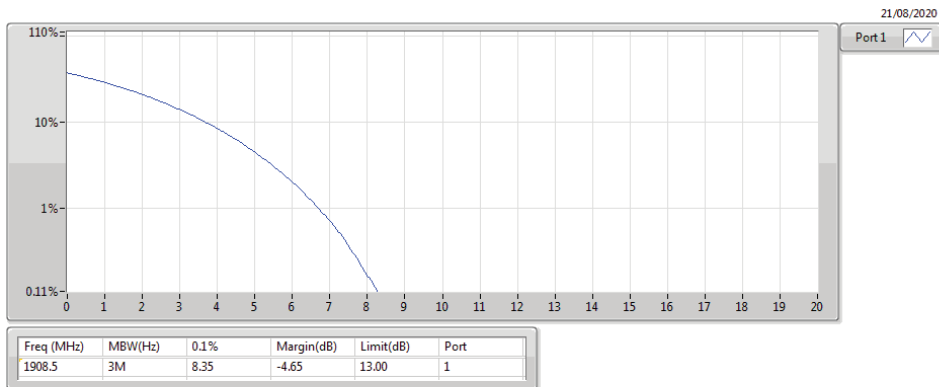
Band 2_LTE_3MHz_Nss1,QPSK_1TX
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PAR



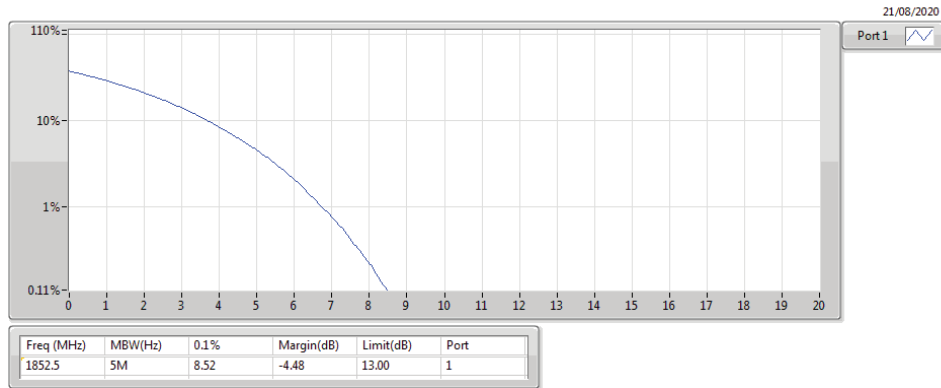
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PAR



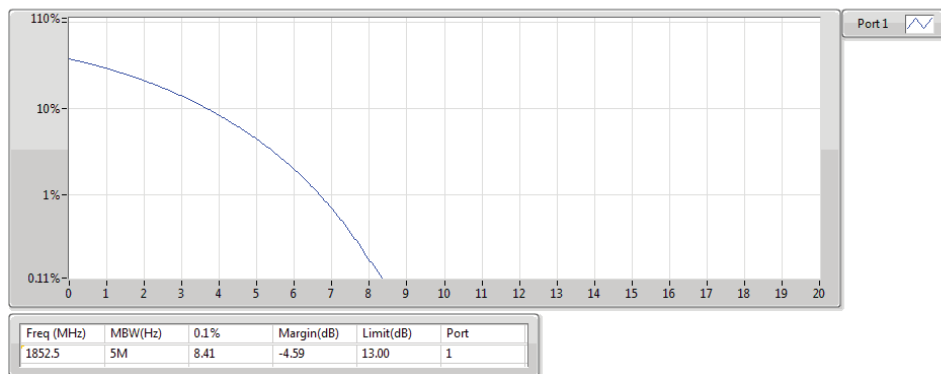
Band 2_LTE_5MHz_Nss1,QPSK_1TX
1852.5MHz_QPSK_RB 25,#RB 0

PAR



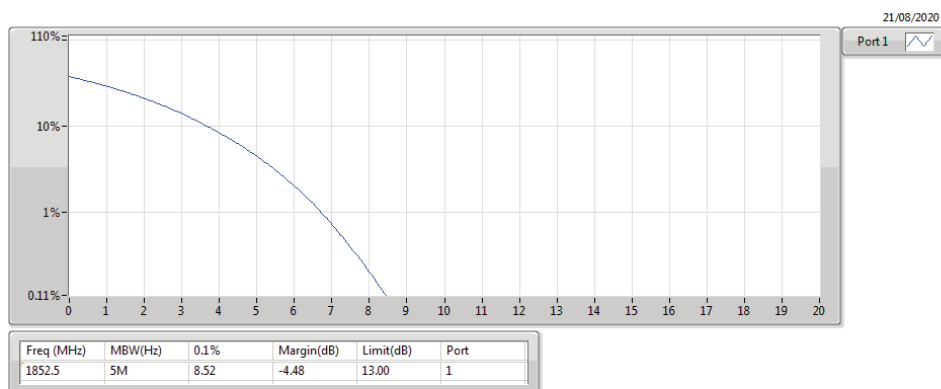
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1852.5MHz_QPSK_RB 1,#RB M

PAR



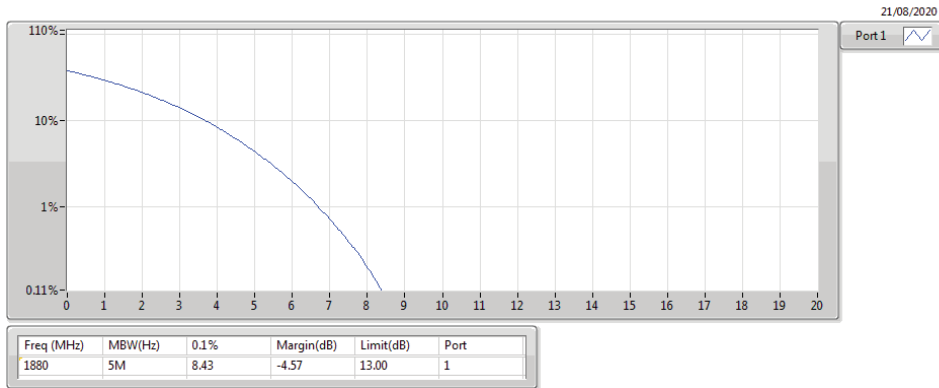
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1852.5MHz_QPSK_RB 12,#RB M

PAR



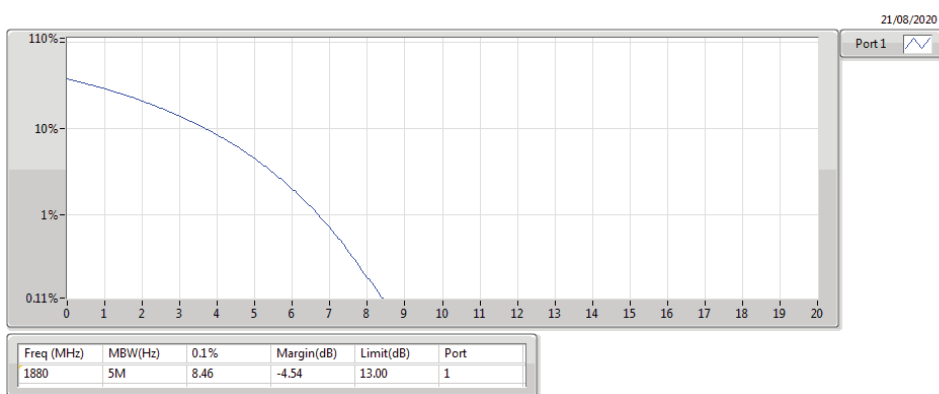
Band 2_LTE_5MHz_Nss1,QPSK_1TX
1880MHz_QPSK_RB 25,#RB 0

PAR



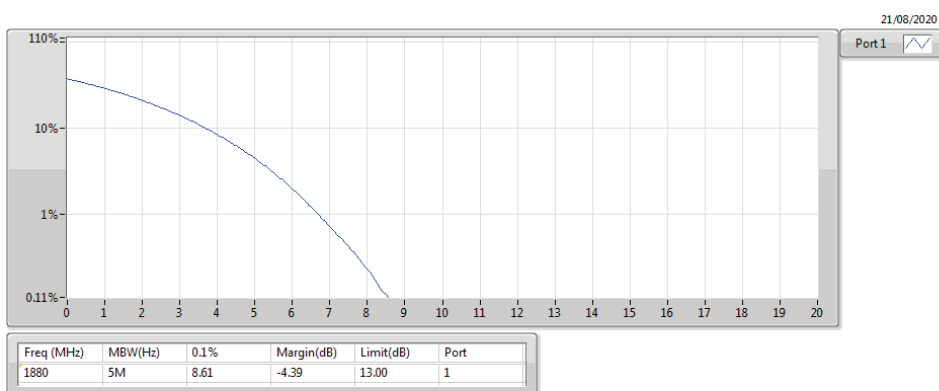
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1880MHz_QPSK_RB 1,#RB M

PAR



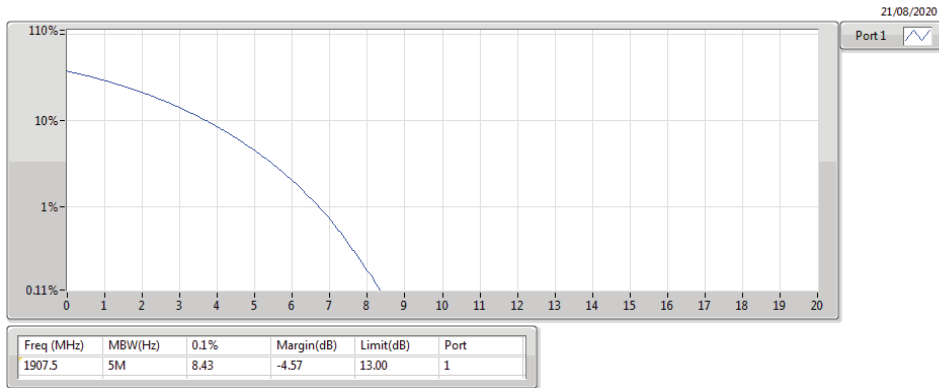
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1880MHz_QPSK_RB 12,#RB M

PAR



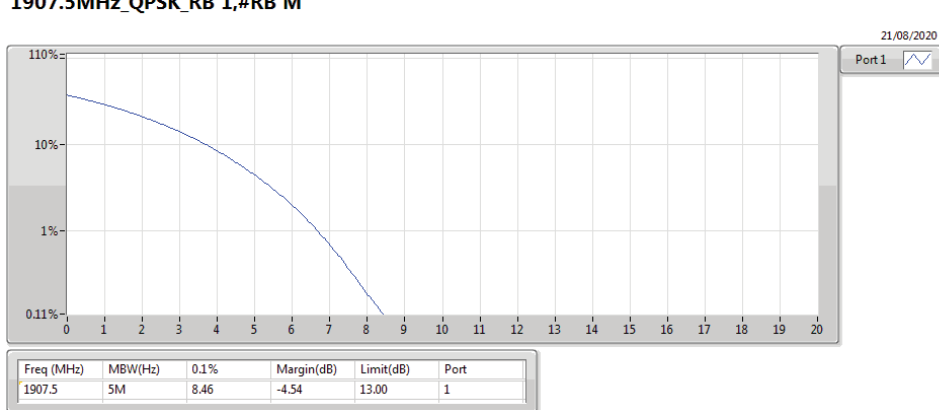
Band 2_LTE_5MHz_Nss1,QPSK_1TX
1907.5MHz_QPSK_RB 25,#RB 0

PAR



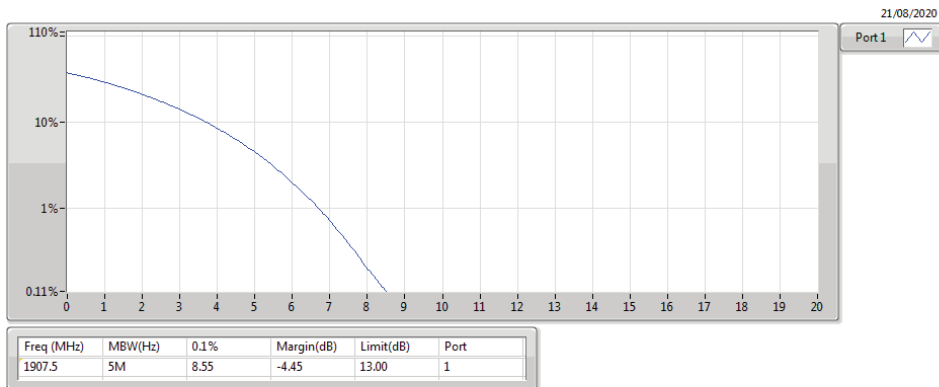
Band 2_LTE_5MHz_Nss1,QPSK_1TX
1907.5MHz_QPSK_RB 1,#RB M

PAR



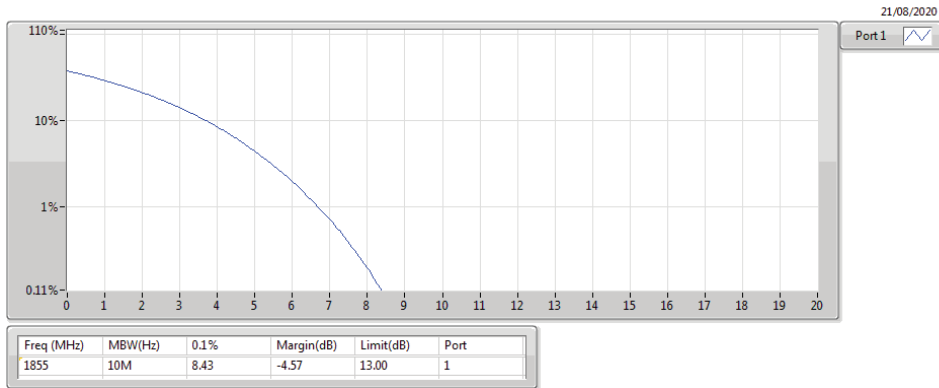
Band 2_LTE_5MHz_Nss1,QPSK_1TX
1907.5MHz_QPSK_RB 12,#RB M

PAR



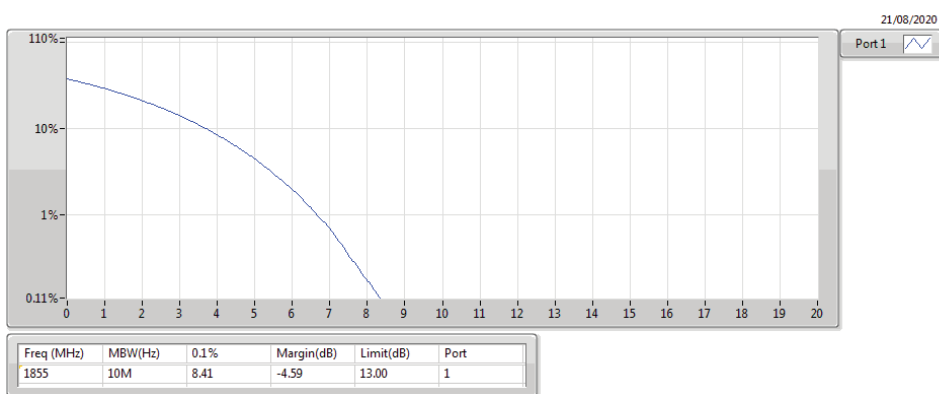
Band 2_LTE_10MHz_Nss1,QPSK_1TX
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PAR



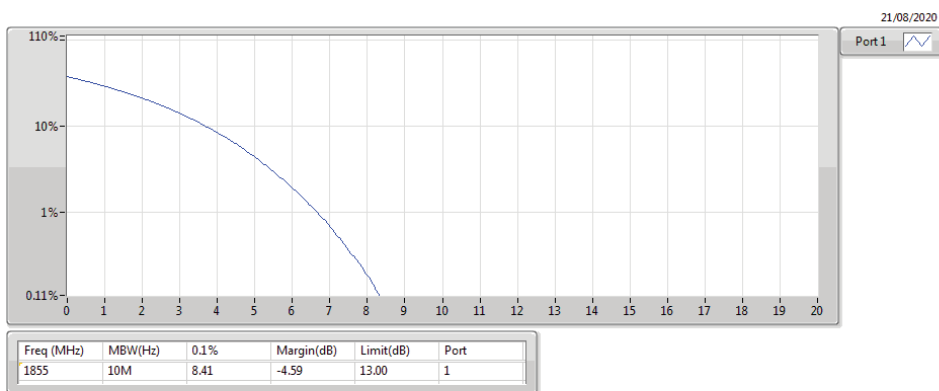
Band 2_LTE_10MHz_Nss1,QPSK_1TX
1855MHz_QPSK_RB 1,#RB M

PAR



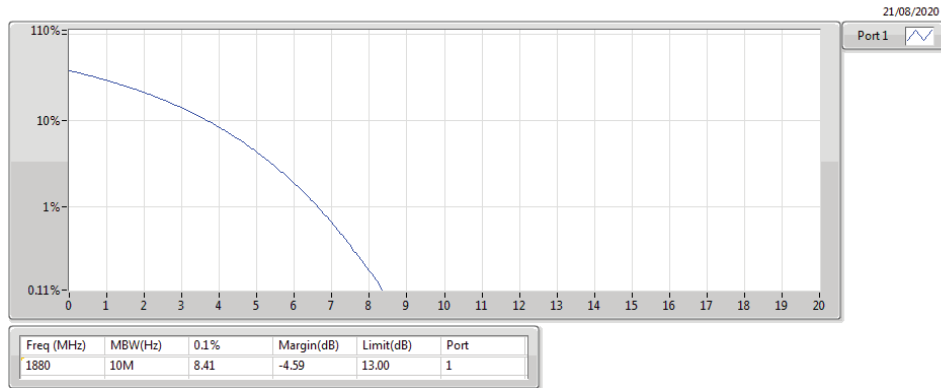
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PAR



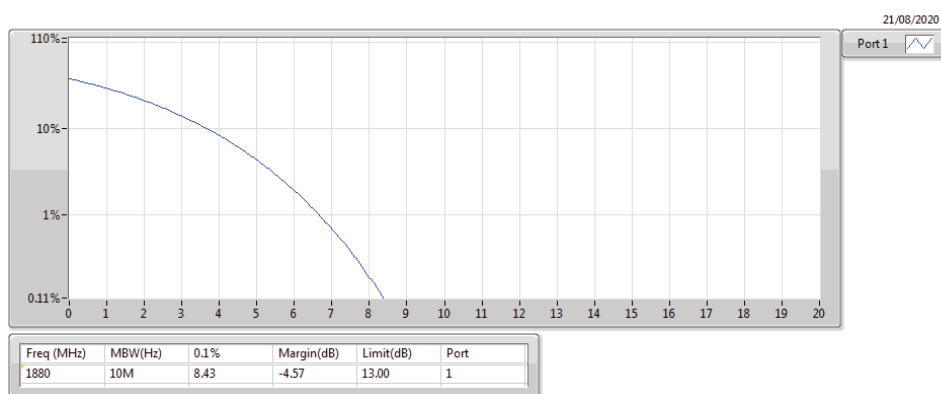
Band 2_LTE_10MHz_Nss1,QPSK_1TX
1880MHz_QPSK_RB 50,#RB 0

PAR



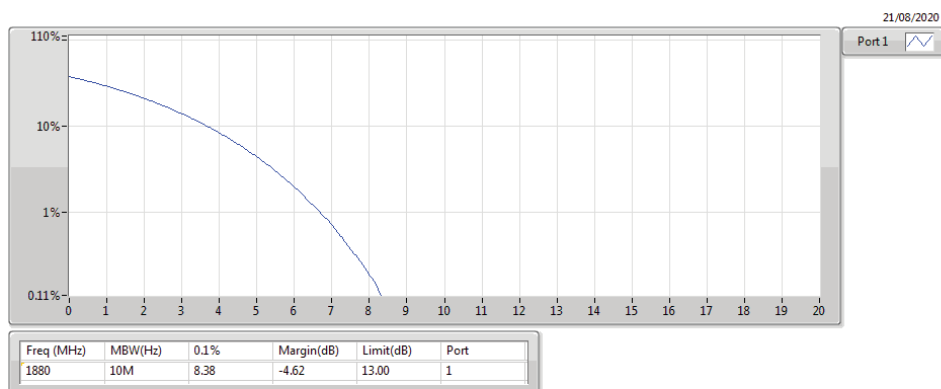
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PAR



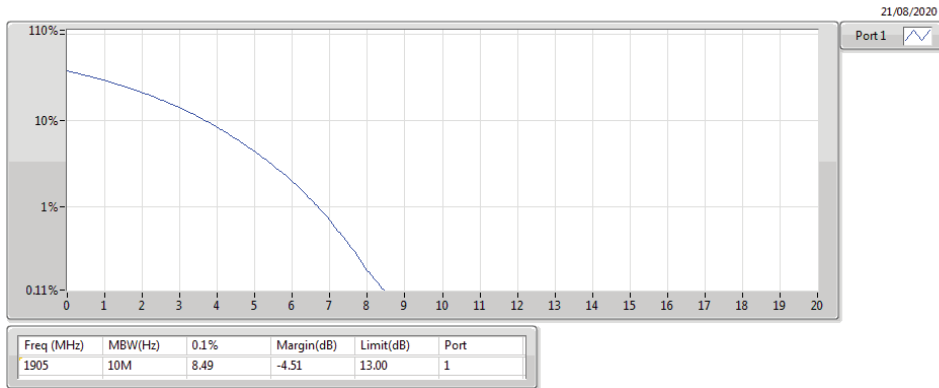
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PAR



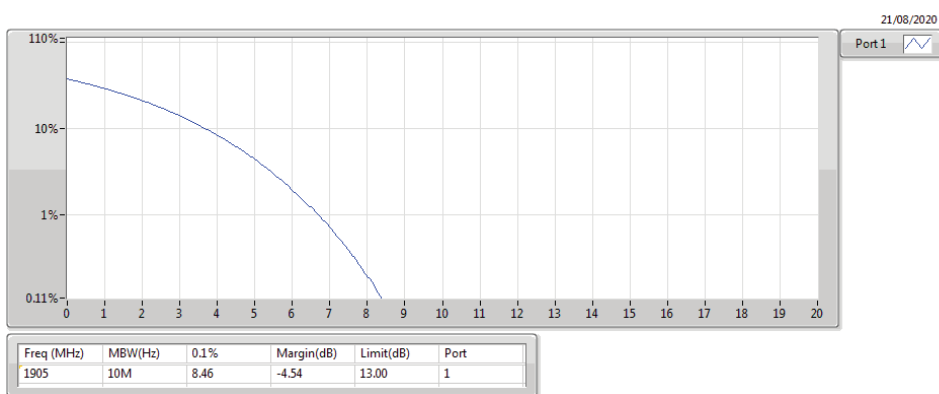
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PAR



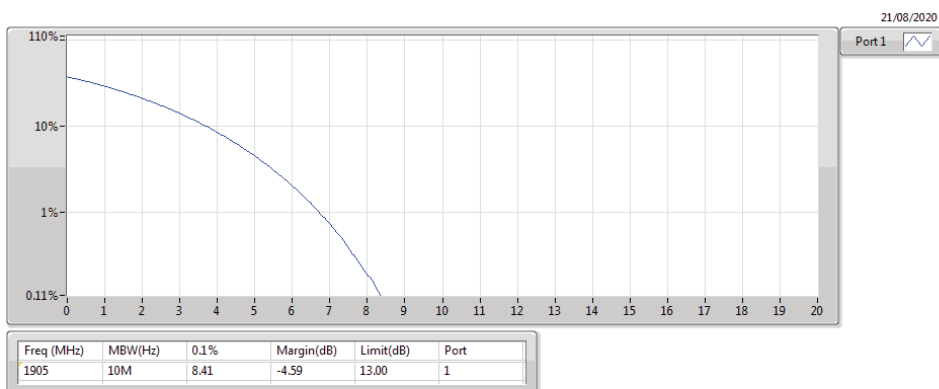
Band 2_LTE_10MHz_Nss1,QPSK_1TX
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PAR



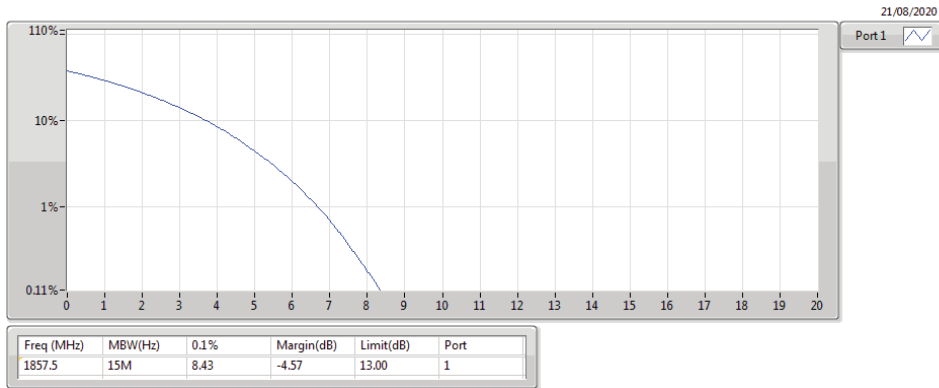
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PAR



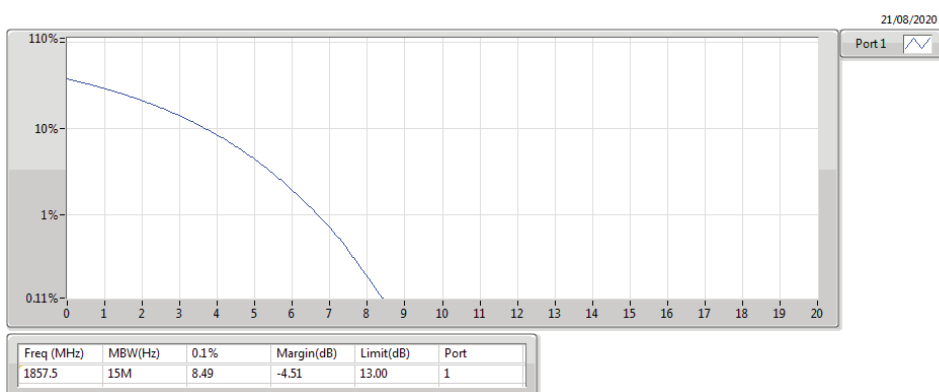
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PAR



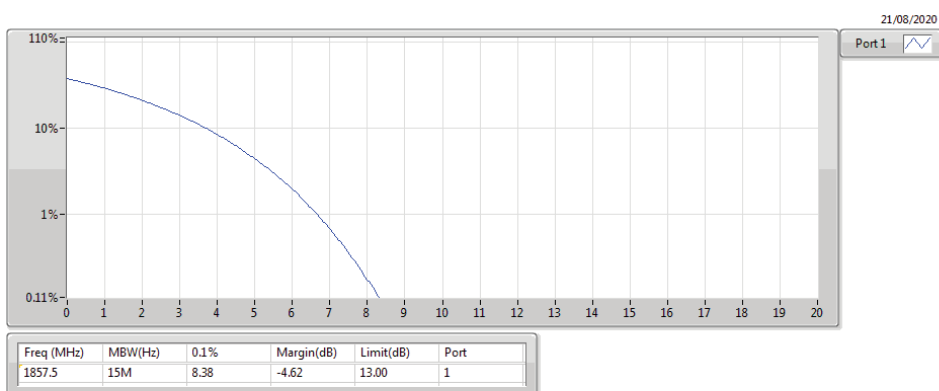
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PAR



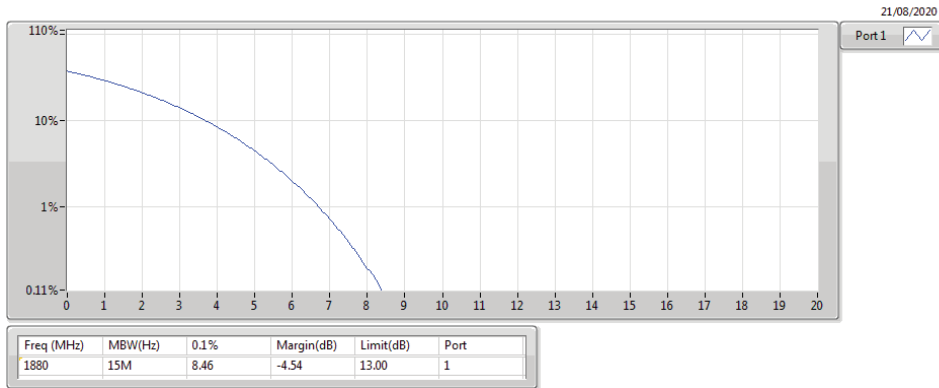
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PAR



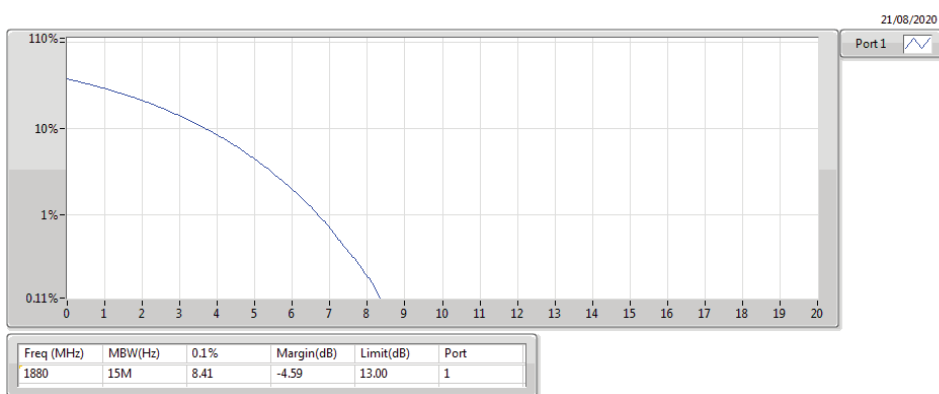
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PAR



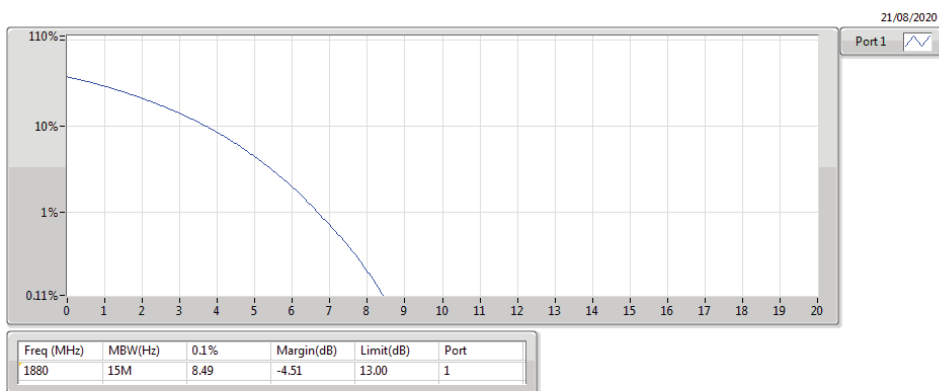
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PAR



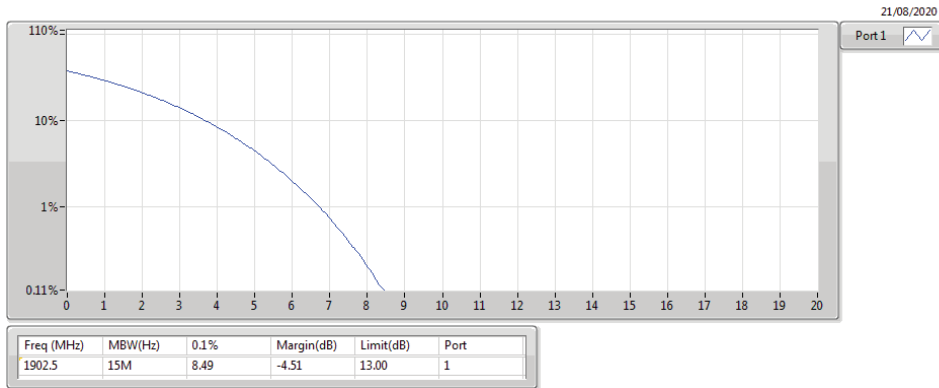
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PAR



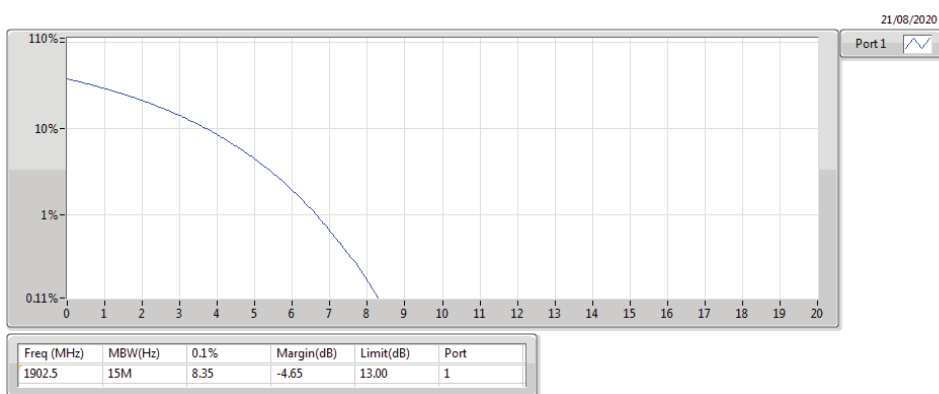
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PAR



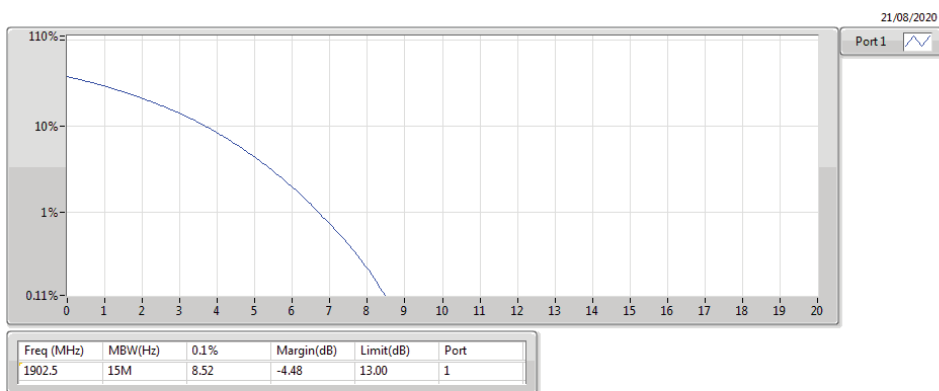
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PAR



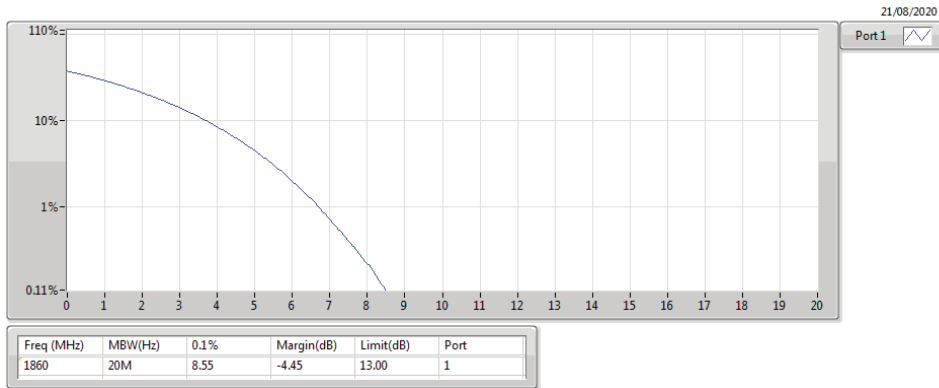
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PAR



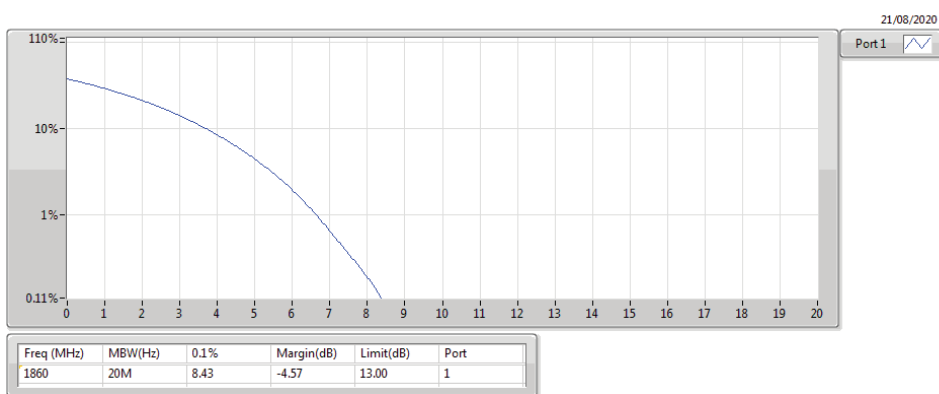
Band 2_LTE_20MHz_Nss1,QPSK_1TX
1860MHz_QPSK_RB 100,#RB 0

PAR



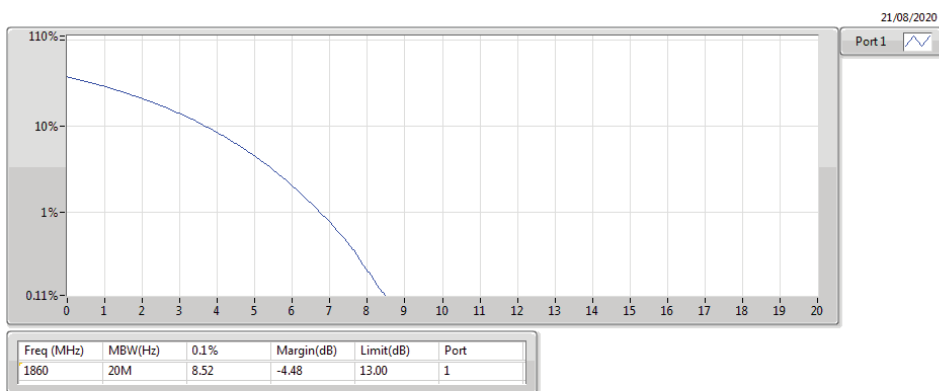
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PAR



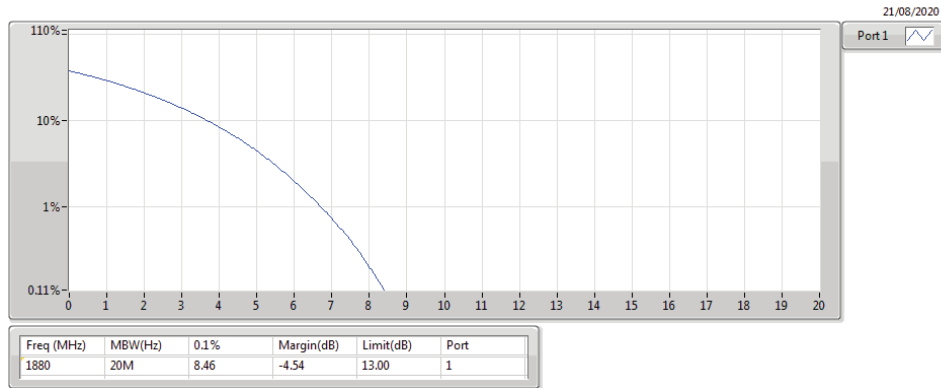
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PAR



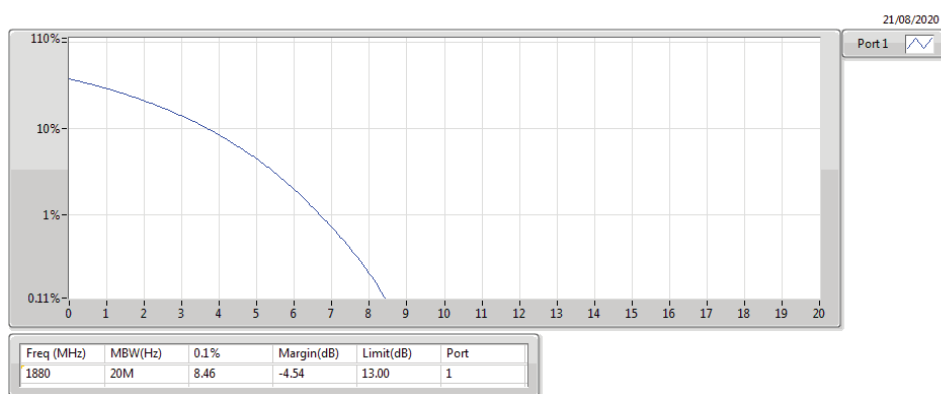
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PAR



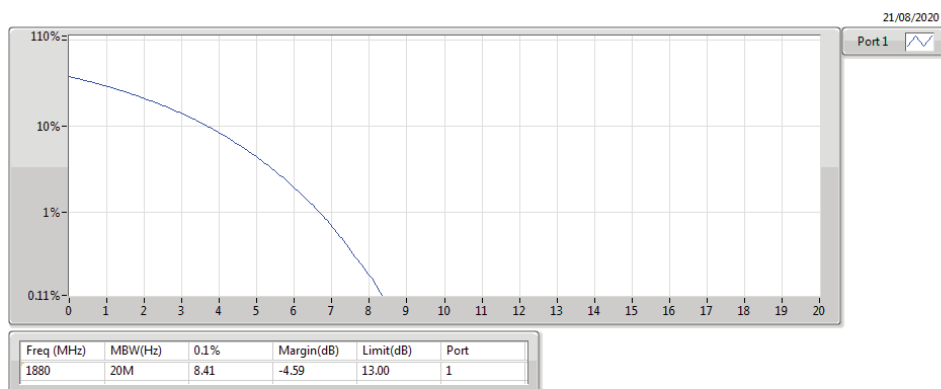
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PAR



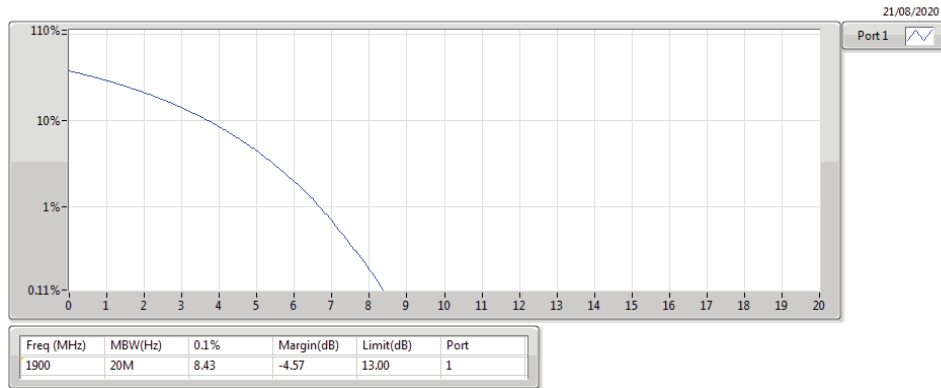
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PAR



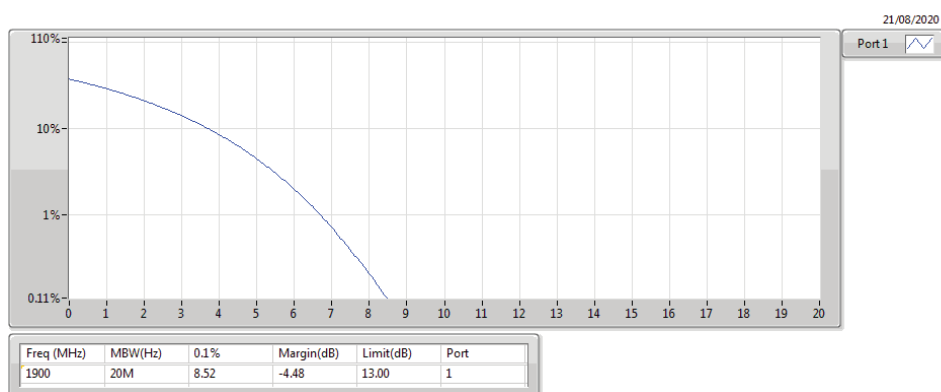
Band 2_LTE_20MHz_Nss1,QPSK_1TX
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PAR



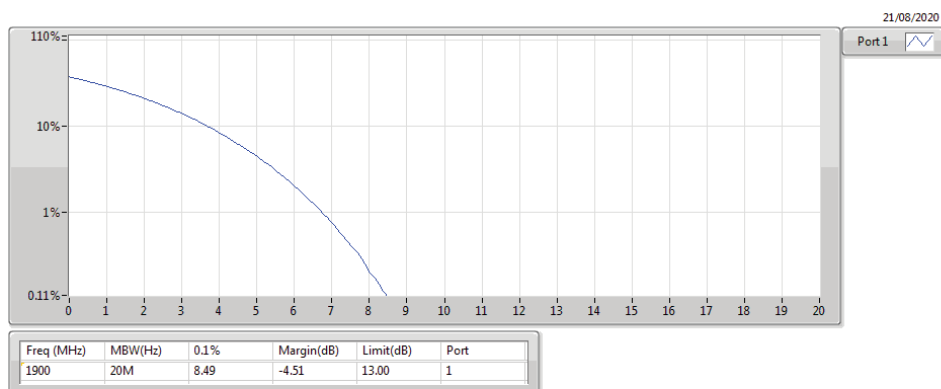
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1900MHz_QPSK_RB 1,#RB M

PAR



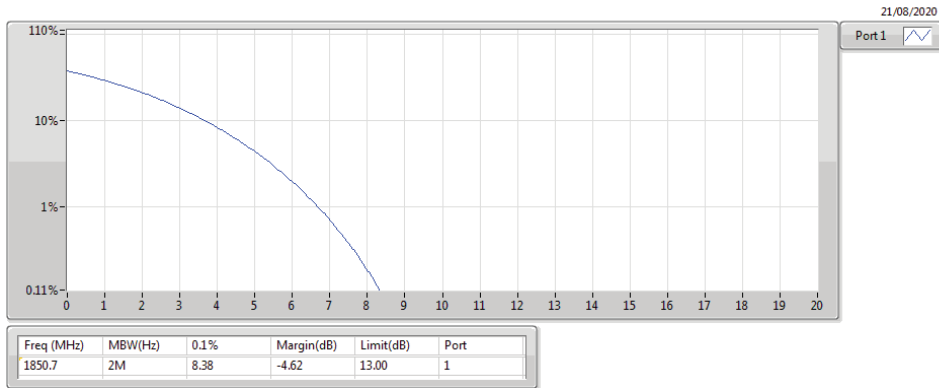
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1900MHz_QPSK_RB 50,#RB M

PAR



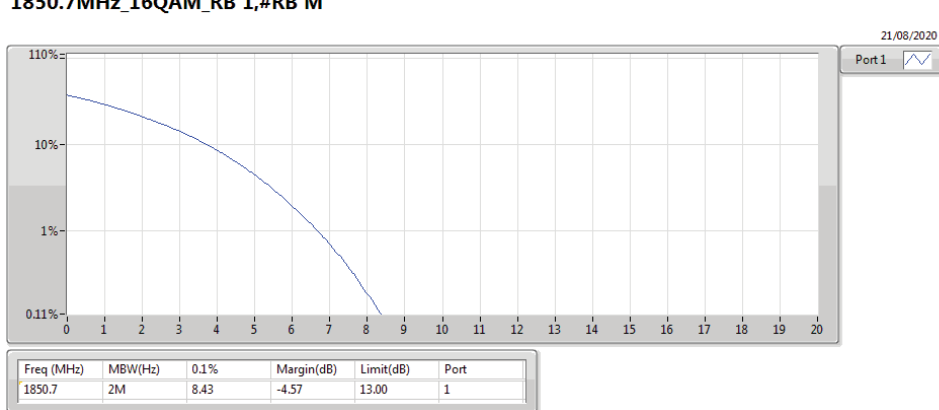
Band 2_LTE_1.4MHz_Nss1,16QAM_1TX
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PAR



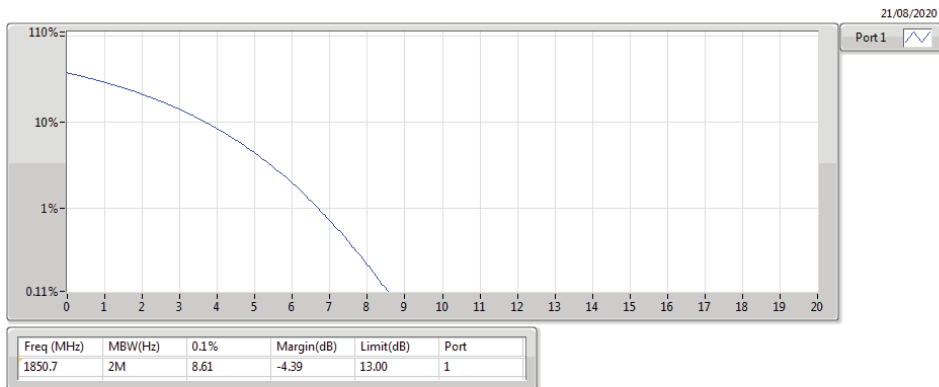
Band 2_LTE_1.4MHz_Nss1,16QAM_1TX
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PAR



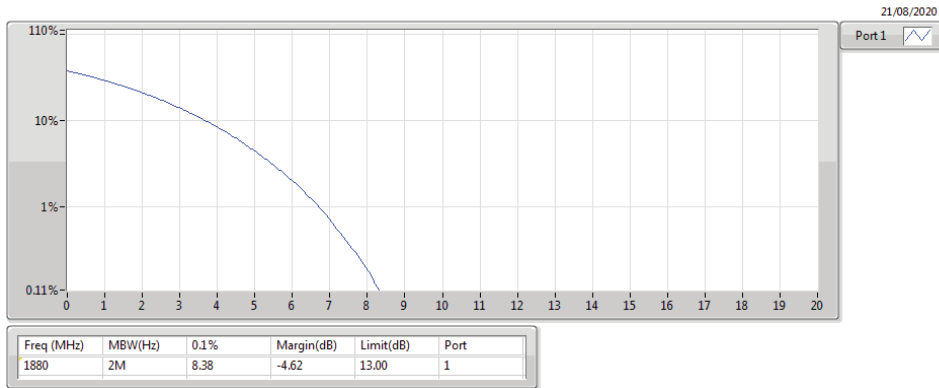
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PAR



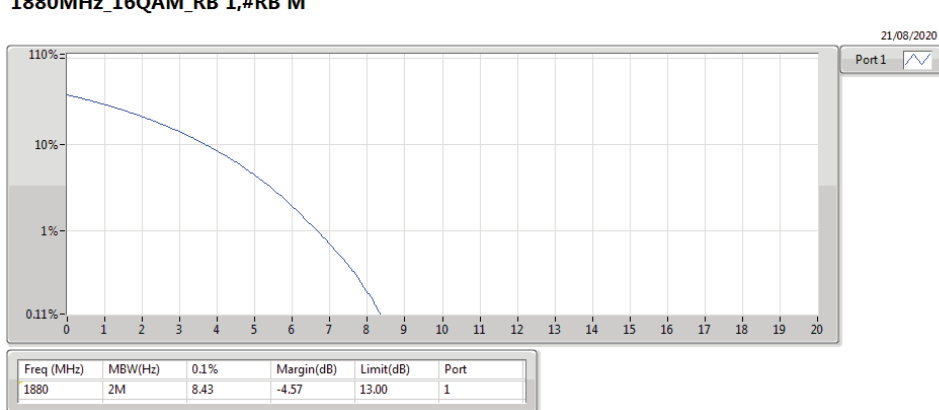
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PAR



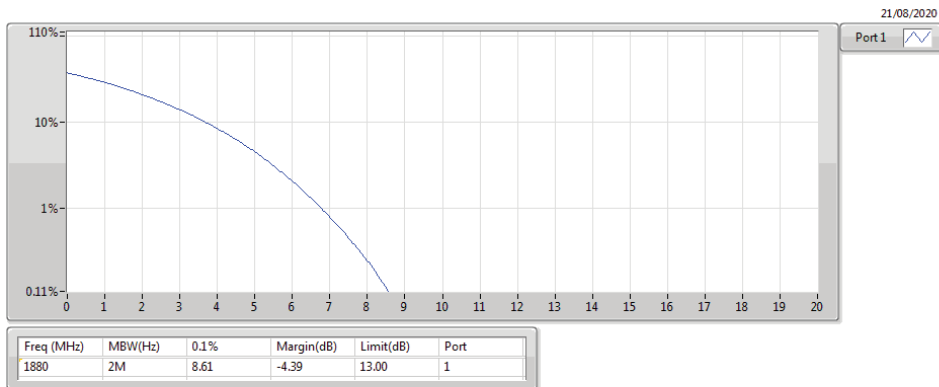
Band 2_LTE_1.4MHz_Nss1,16QAM_1TX
1880MHz_16QAM_RB 1,#RB M

PAR



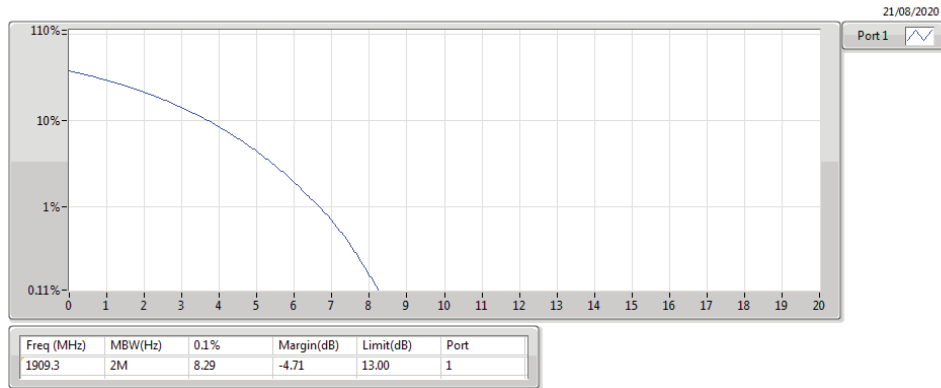
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1880MHz_16QAM_RB 3,#RB M

PAR



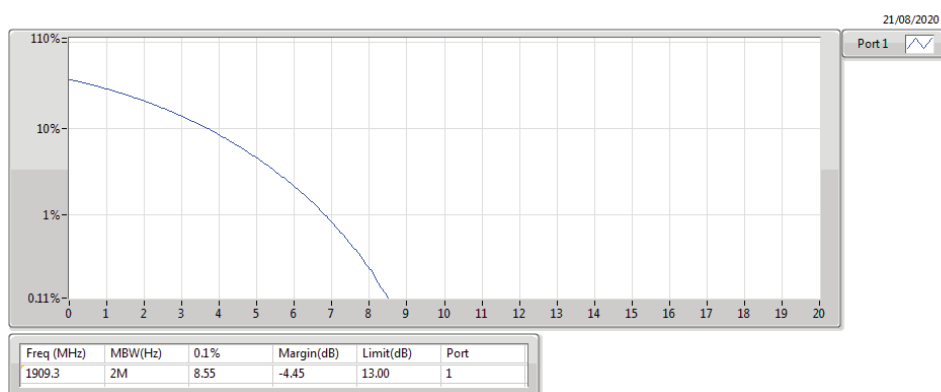
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PAR



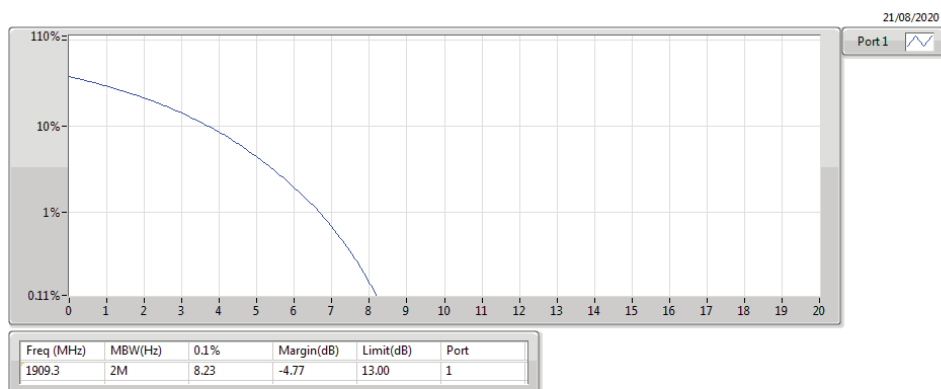
Band 2_LTE_1.4MHz_Nss1,16QAM_1TX
1909.3MHz_16QAM_RB 1,#RB M

PAR



Band 2_LTE_1.4MHz_Nss1,16QAM_1TX
1909.3MHz_16QAM_RB 3,#RB M

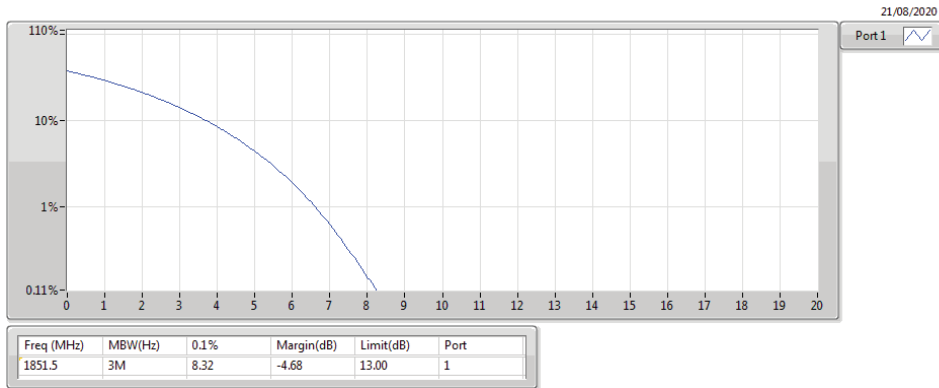
PAR



Band 2_LTE_3MHz_Nss1,16QAM_1TX

PAR

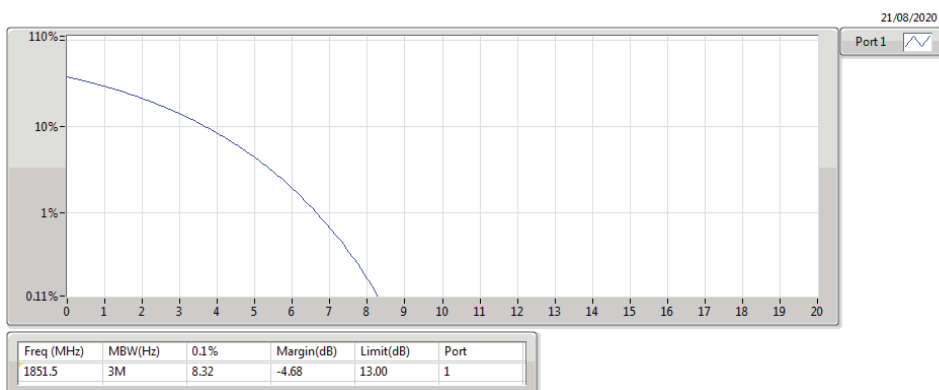
1851.5MHz_16QAM_RB 15,#RB 0



Band 2_LTE_3MHz_Nss1,16QAM_1TX

PAR

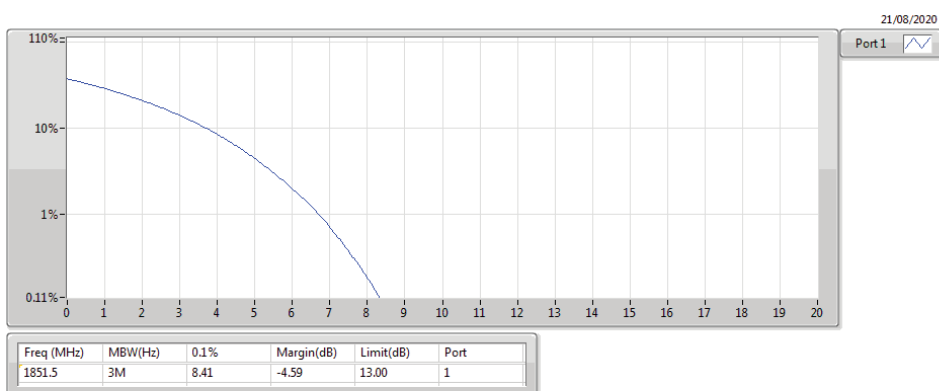
1851.5MHz_16QAM_RB 1,#RB M



Band 2_LTE_3MHz_Nss1,16QAM_1TX

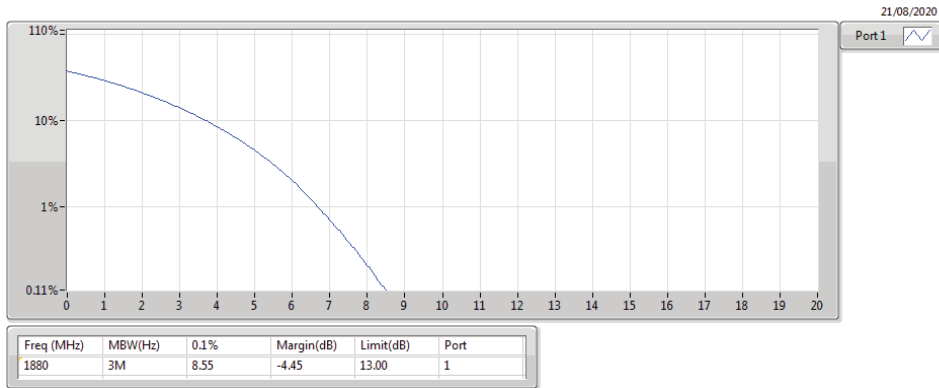
PAR

1851.5MHz_16QAM_RB 8,#RB M



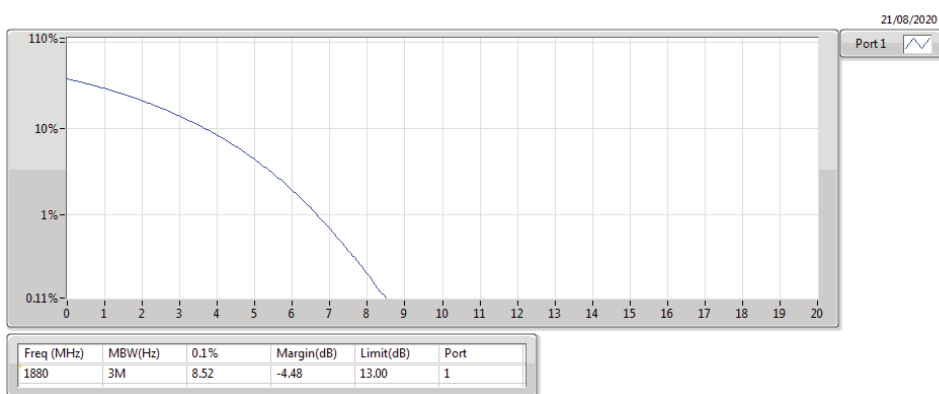
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1880MHz_16QAM_RB 15,#RB 0

PAR



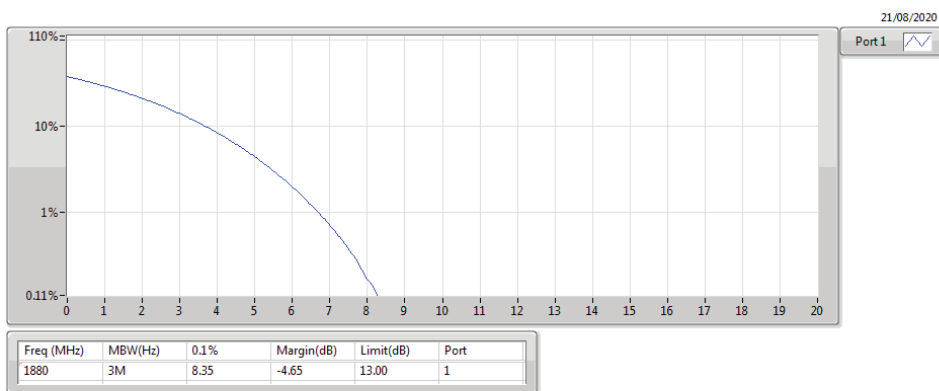
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PAR



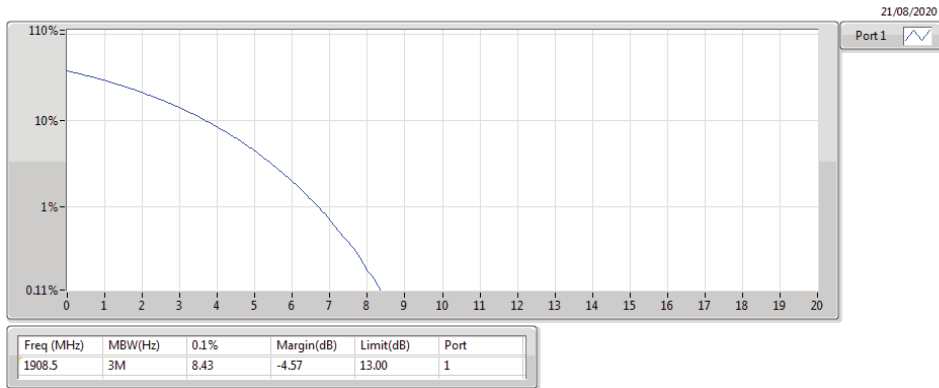
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PAR



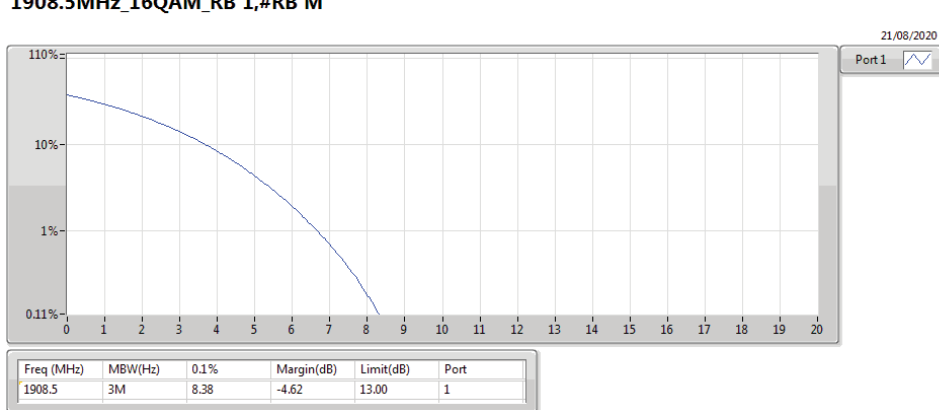
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PAR



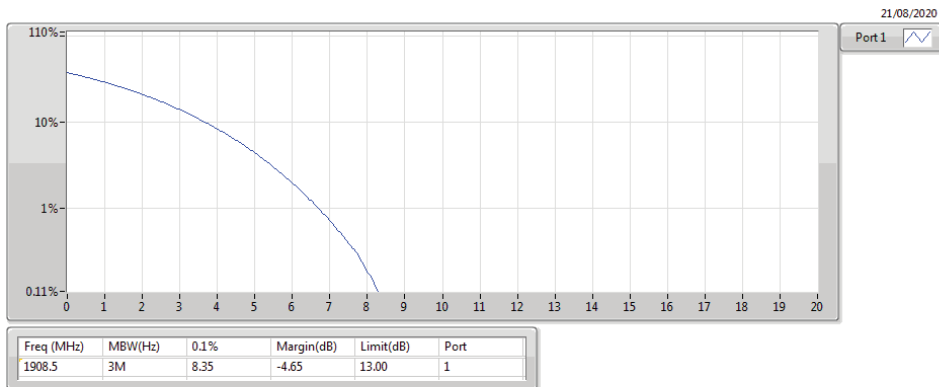
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1908.5MHz_16QAM_RB 1,#RB M

PAR



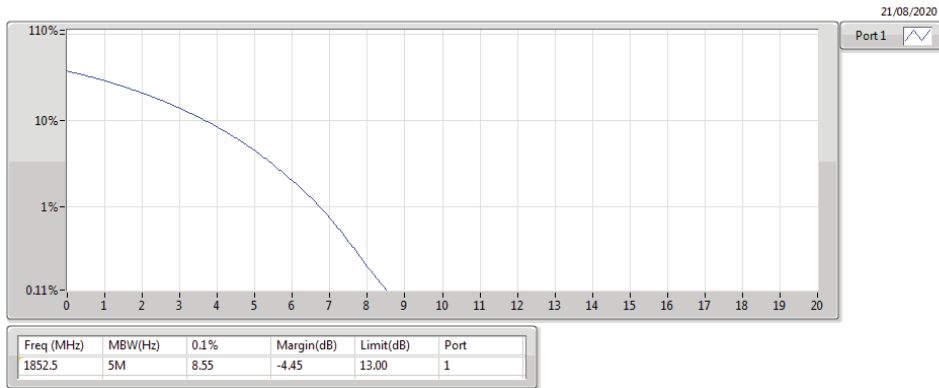
Band 2_LTE_3MHz_Nss1,16QAM_1TX
1908.5MHz_16QAM_RB 8,#RB M

PAR



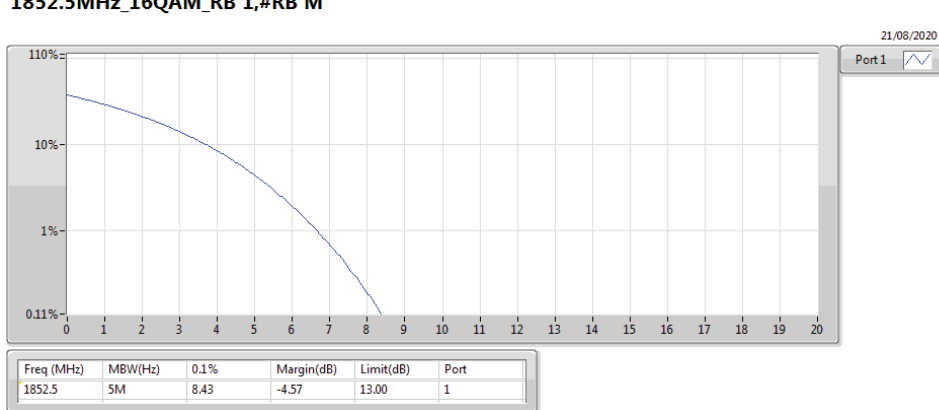
Band 2_LTE_5MHz_Nss1,16QAM_1TX
1852.5MHz_16QAM_RB 25,#RB 0

PAR



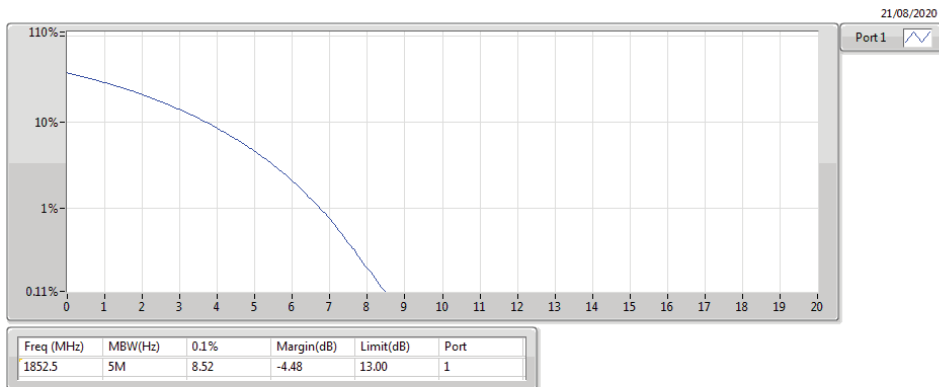
Band 2_LTE_5MHz_Nss1,16QAM_1TX
1852.5MHz_16QAM_RB 1,#RB M

PAR



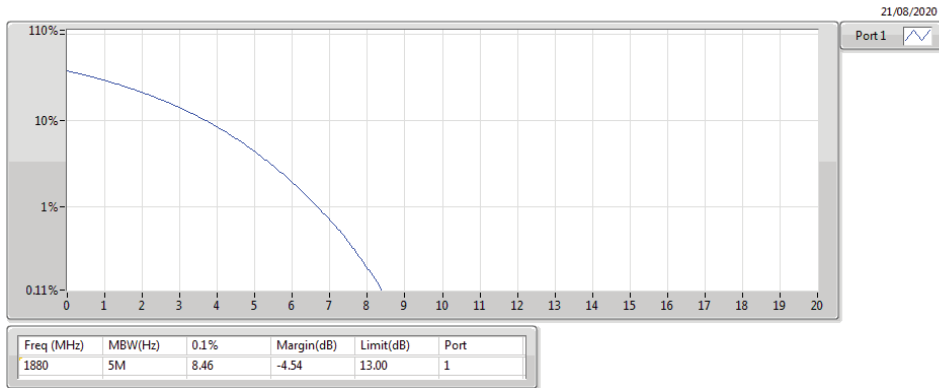
Band 2_LTE_5MHz_Nss1,16QAM_1TX
1852.5MHz_16QAM_RB 12,#RB M

PAR



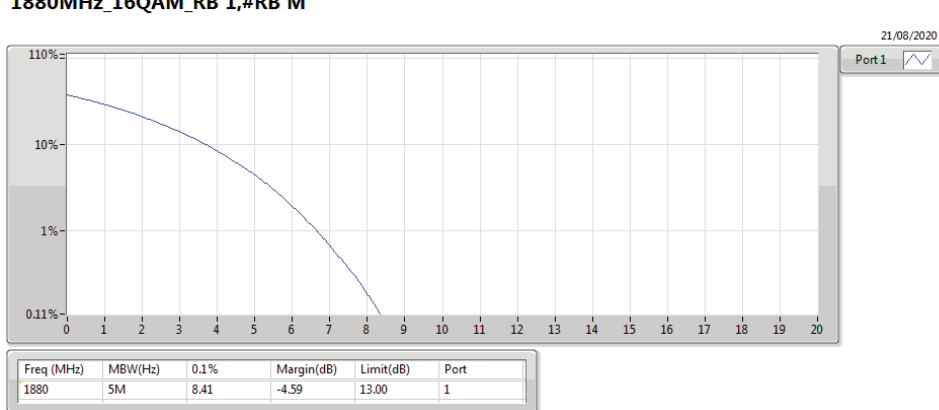
Band 2_LTE_5MHz_Nss1,16QAM_1TX
1880MHz_16QAM_RB 25,#RB 0

PAR



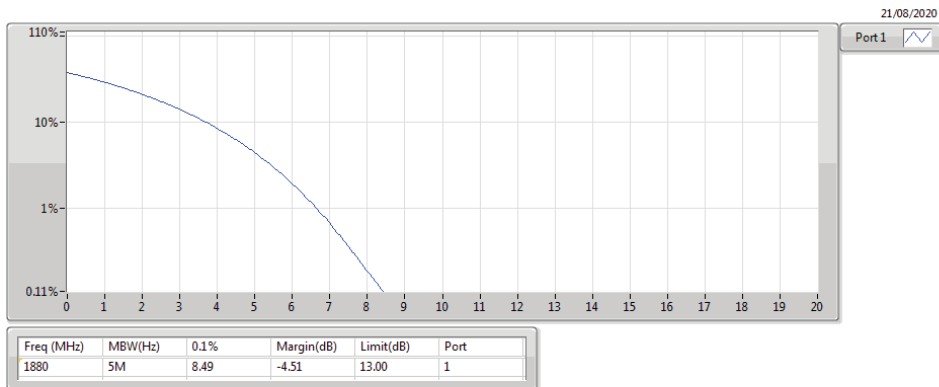
Band 2_LTE_5MHz_Nss1,16QAM_1TX
1880MHz_16QAM_RB 1,#RB M

PAR



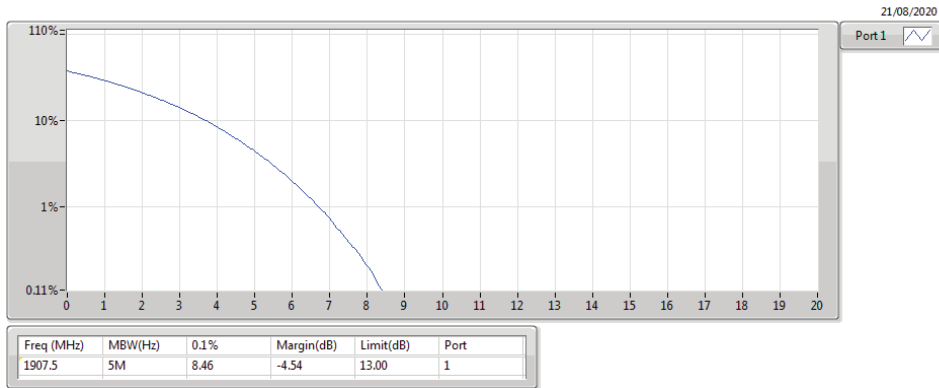
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1880MHz_16QAM_RB 12,#RB M

PAR



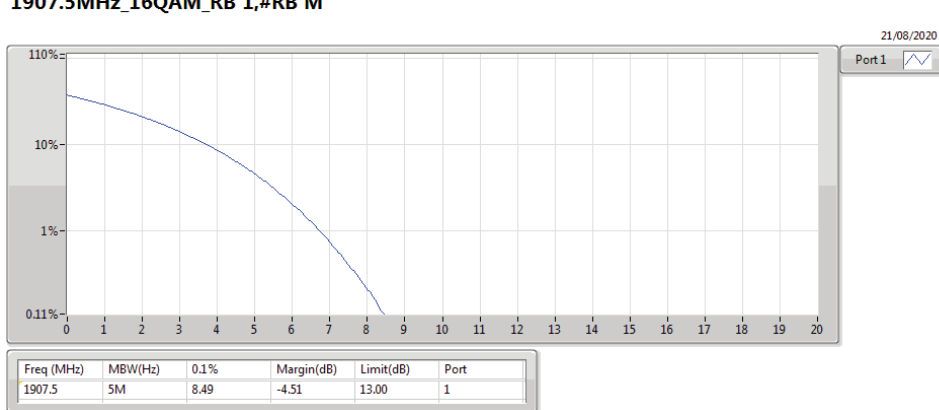
Band 2_LTE_5MHz_Nss1,16QAM_1TX
1907.5MHz_16QAM_RB 25,#RB 0

PAR



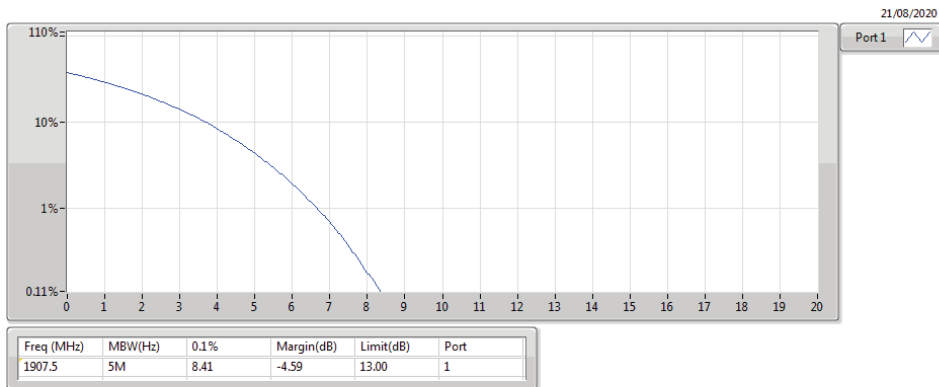
Band 2_LTE_5MHz_Nss1,16QAM_1TX
1907.5MHz_16QAM_RB 1,#RB M

PAR



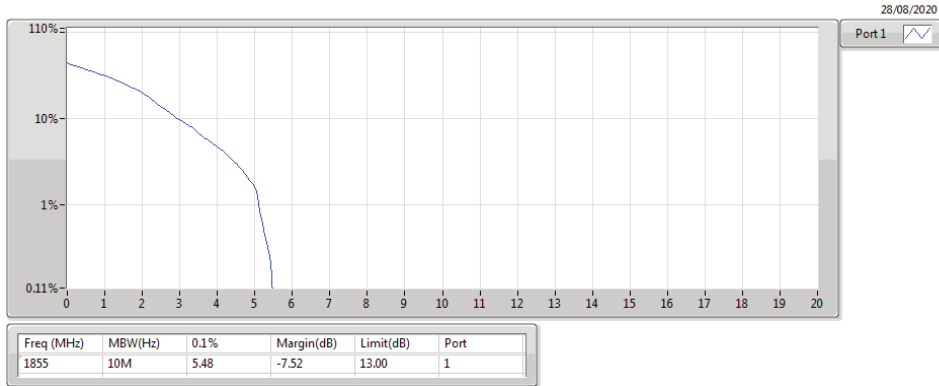
Band 2_LTE_5MHz_Nss1,16QAM_1TX
1907.5MHz_16QAM_RB 12,#RB M

PAR



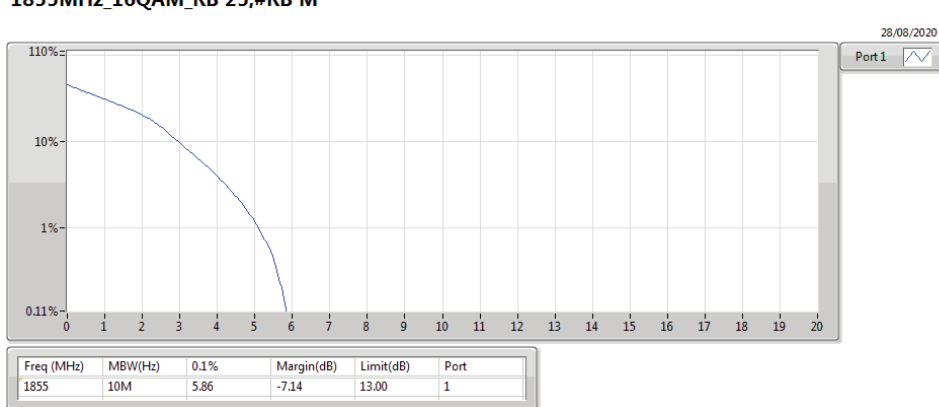
Band 2_LTE_10MHz_Nss1,16QAM_1TX
1855MHz_16QAM_RB 1,#RB M

PAR



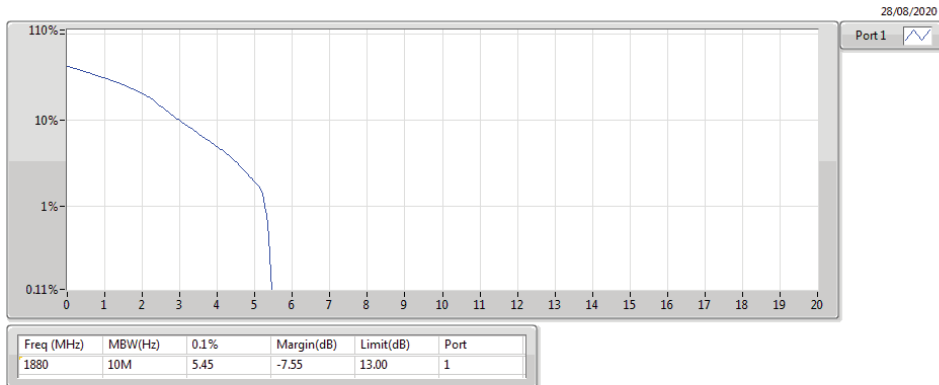
Band 2_LTE_10MHz_Nss1,16QAM_1TX
1855MHz_16QAM_RB 25,#RB M

PAR



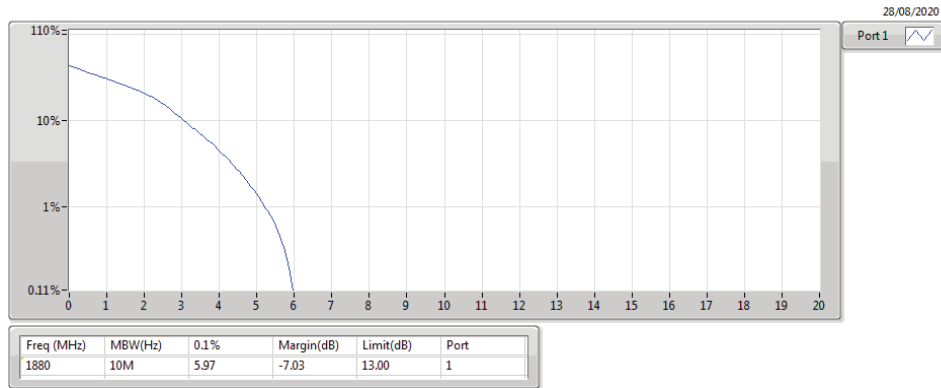
Band 2_LTE_10MHz_Nss1,16QAM_1TX
1880MHz_16QAM_RB 1,#RB M

PAR



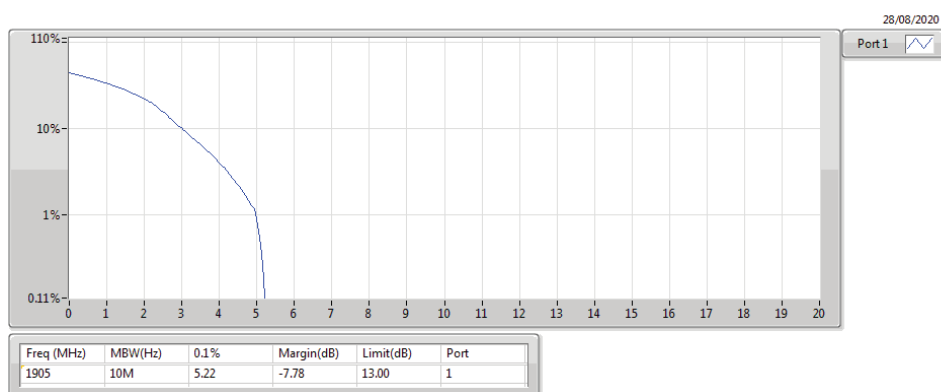
Band 2_LTE_10MHz_Nss1,16QAM_1TX
1880MHz_16QAM_RB 25,#RB M

PAR



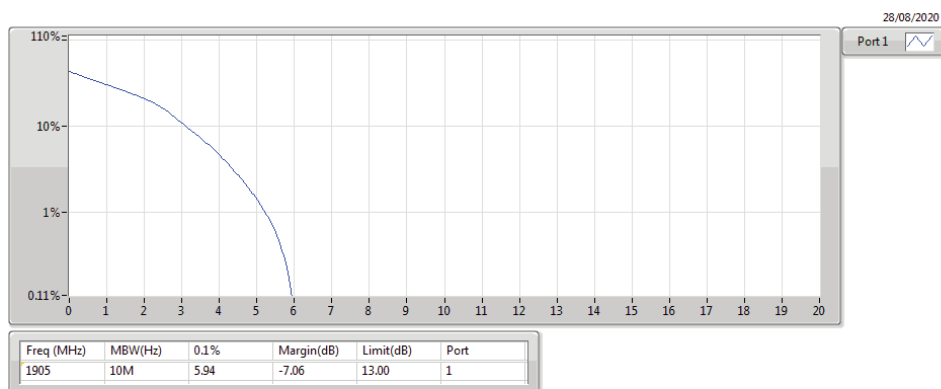
Band 2_LTE_10MHz_Nss1,16QAM_1TX
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PAR



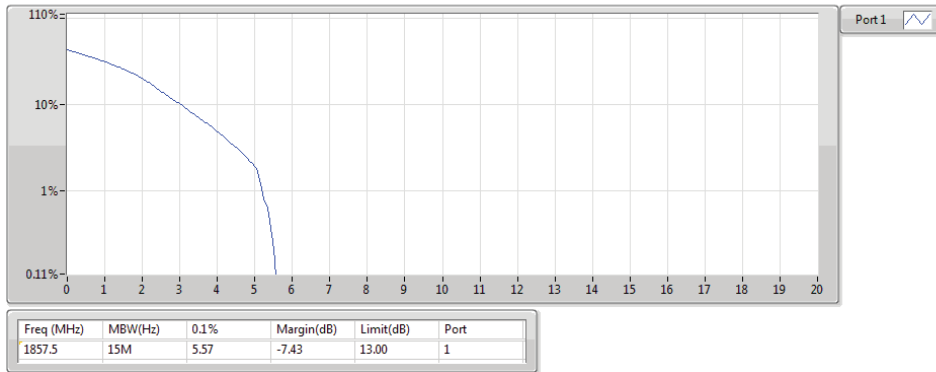
Band 2_LTE_10MHz_Nss1,16QAM_1TX
1905MHz_16QAM_RB 25,#RB M

PAR



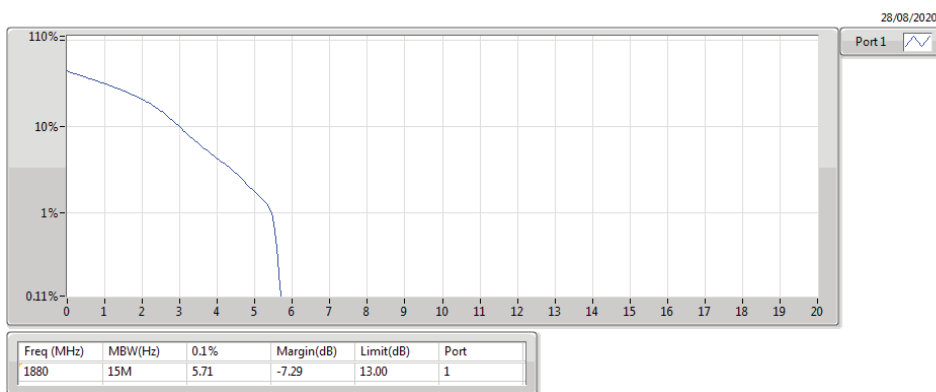
Band 2_LTE_15MHz_Nss1,16QAM_1TX
1857.5MHz_16QAM_RB 1,#RB M

PAR



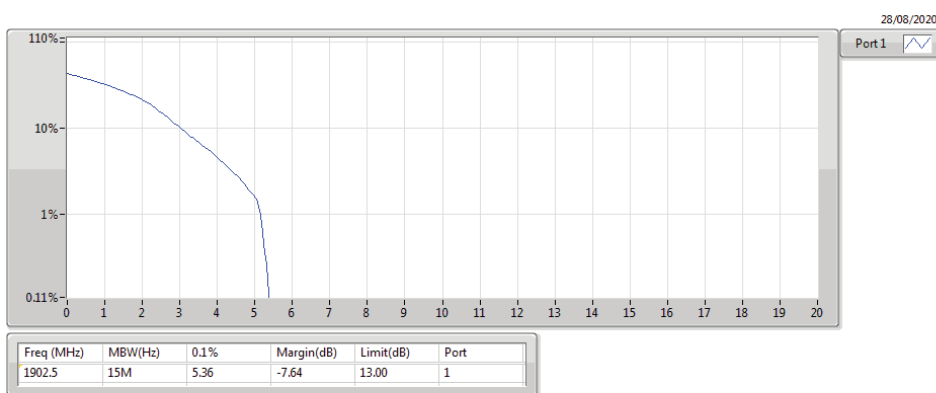
Band 2_LTE_15MHz_Nss1,16QAM_1TX
1880MHz_16QAM_RB 1,#RB M

PAR



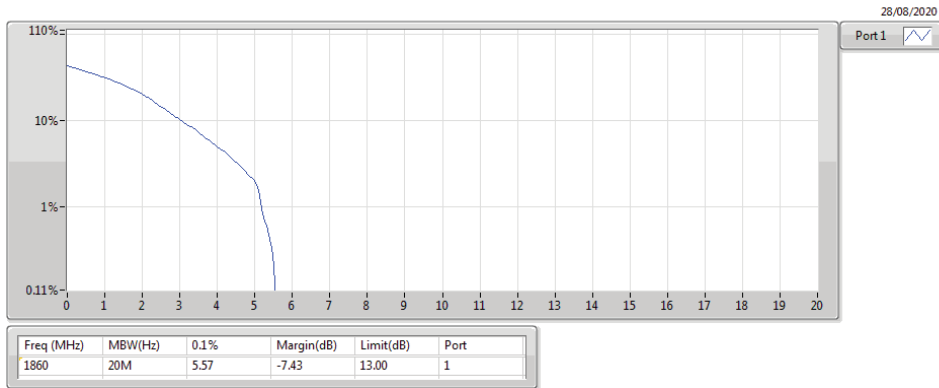
Band 2_LTE_15MHz_Nss1,16QAM_1TX
1902.5MHz_16QAM_RB 1,#RB M

PAR



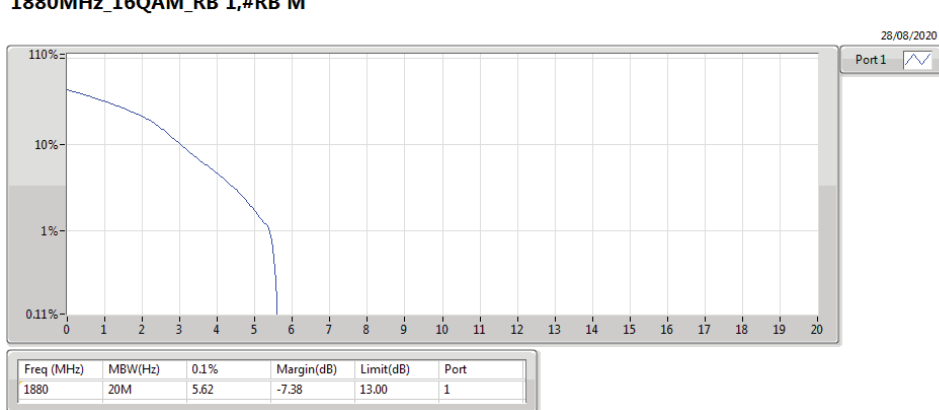
Band 2_LTE_20MHz_Nss1,16QAM_1TX
1860MHz_16QAM_RB 1,#RB M

PAR



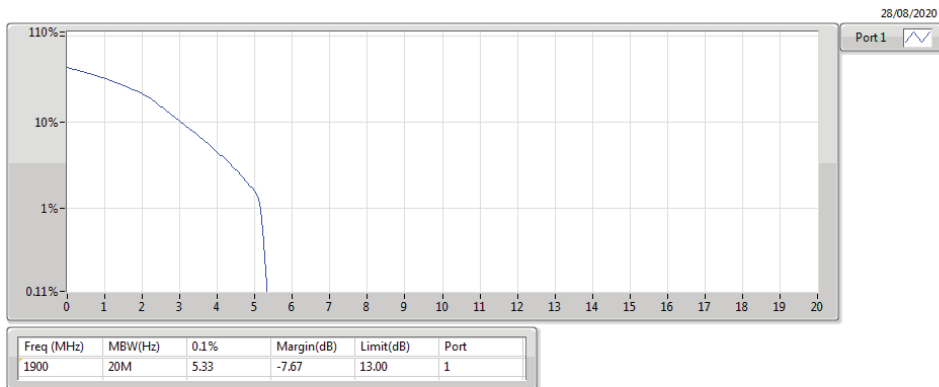
Band 2_LTE_20MHz_Nss1,16QAM_1TX
1880MHz_16QAM_RB 1,#RB M

PAR



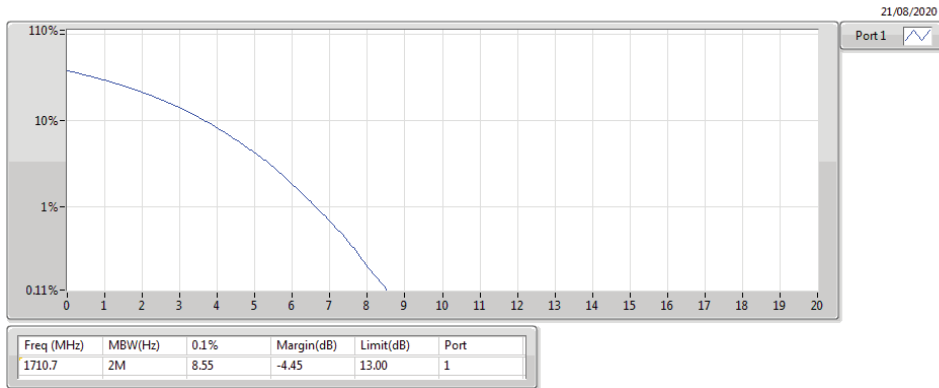
Band 2_LTE_20MHz_Nss1,16QAM_1TX
1900MHz_16QAM_RB 1,#RB M

PAR



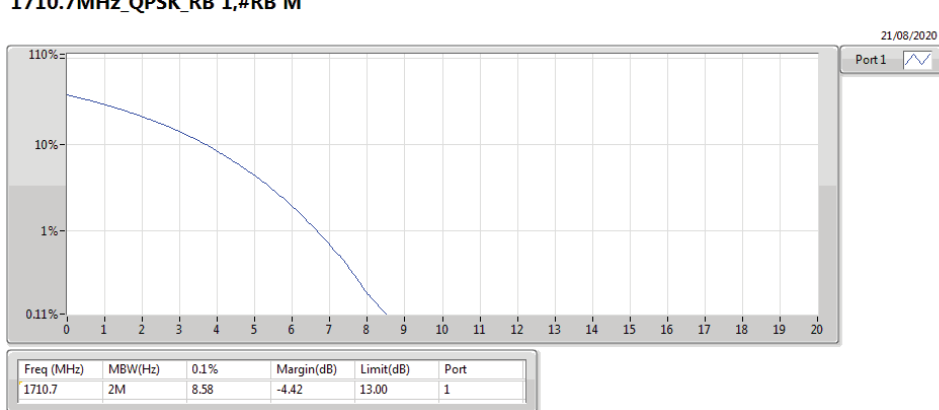
Band 4_LTE_1.4MHz_Nss1,QPSK_1TX
1710.7MHz_QPSK_RB 6,#RB 0

PAR



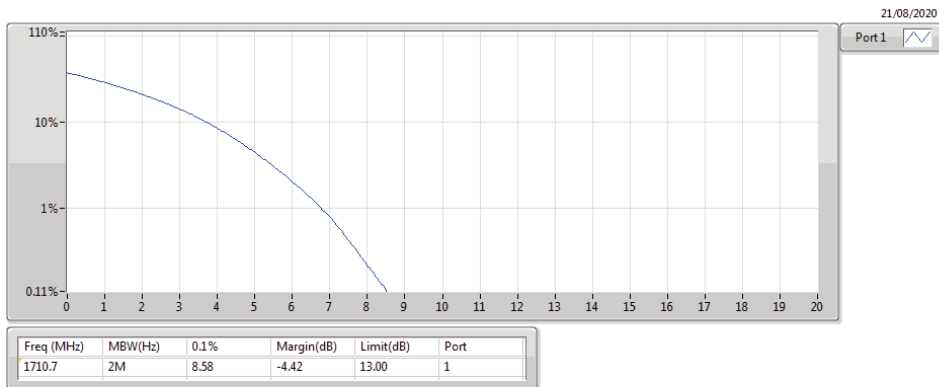
Band 4_LTE_1.4MHz_Nss1,QPSK_1TX
1710.7MHz_QPSK_RB 1,#RB M

PAR



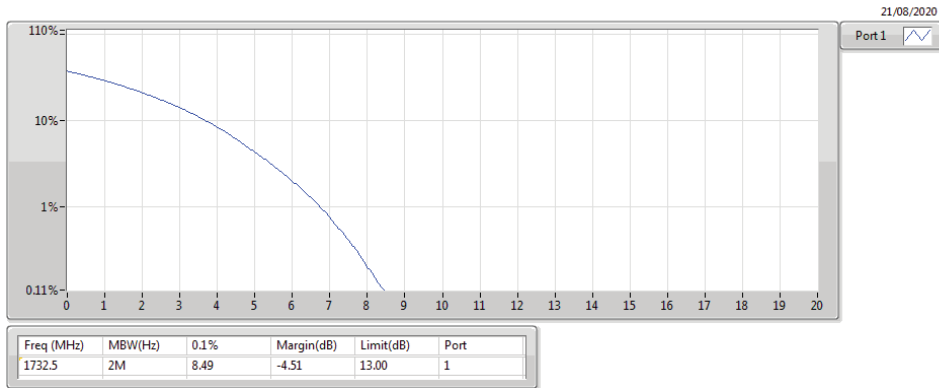
Band 4_LTE_1.4MHz_Nss1,QPSK_1TX
1710.7MHz_QPSK_RB 3,#RB M

PAR



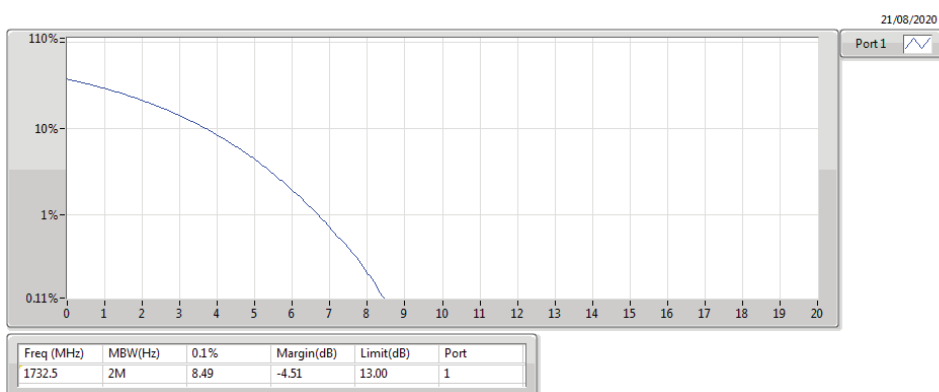
Band 4_LTE_1.4MHz_Nss1,QPSK_1TX
1732.5MHz_QPSK_RB 6,#RB 0

PAR



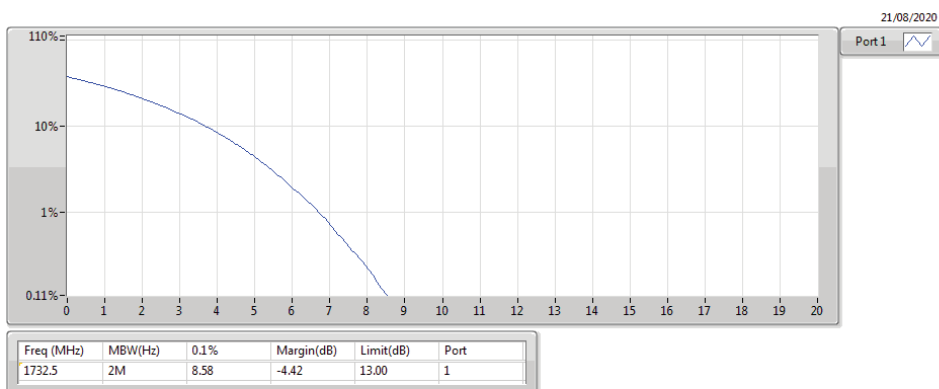
Band 4_LTE_1.4MHz_Nss1,QPSK_1TX
1732.5MHz_QPSK_RB 1,#RB M

PAR



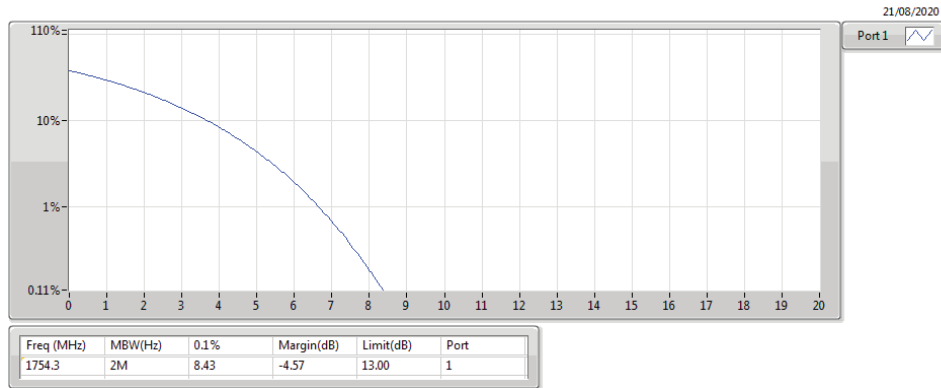
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1732.5MHz_QPSK_RB 3,#RB M

PAR



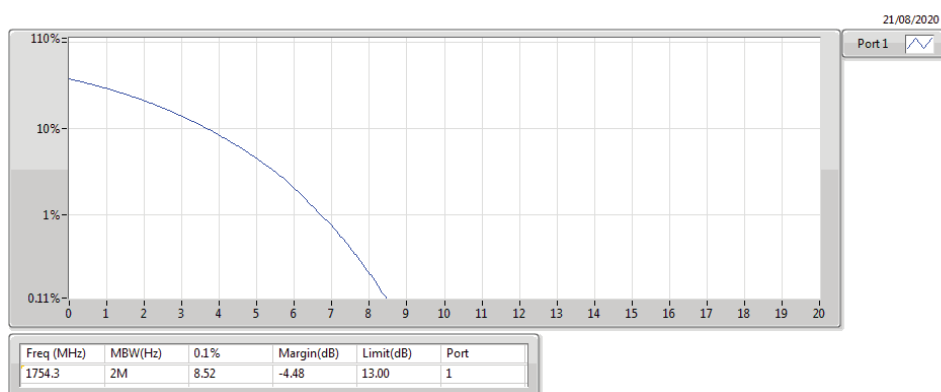
Band 4_LTE_1.4MHz_Nss1,QPSK_1TX
1754.3MHz_QPSK_RB 6,#RB 0

PAR



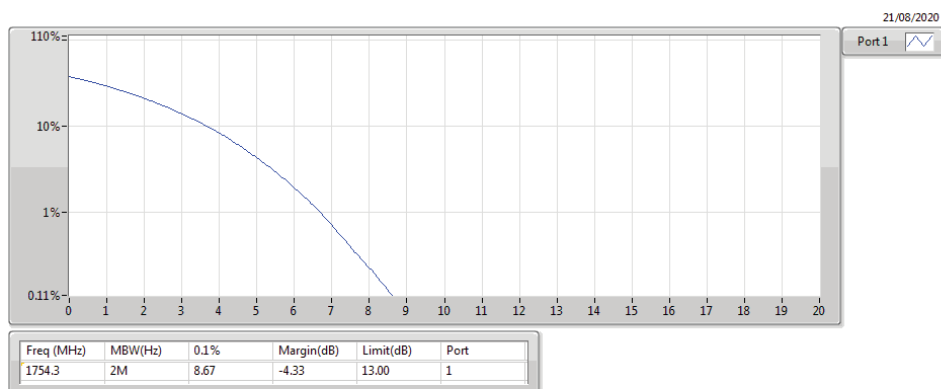
Band 4_LTE_1.4MHz_Nss1,QPSK_1TX
1754.3MHz_QPSK_RB 1,#RB M

PAR



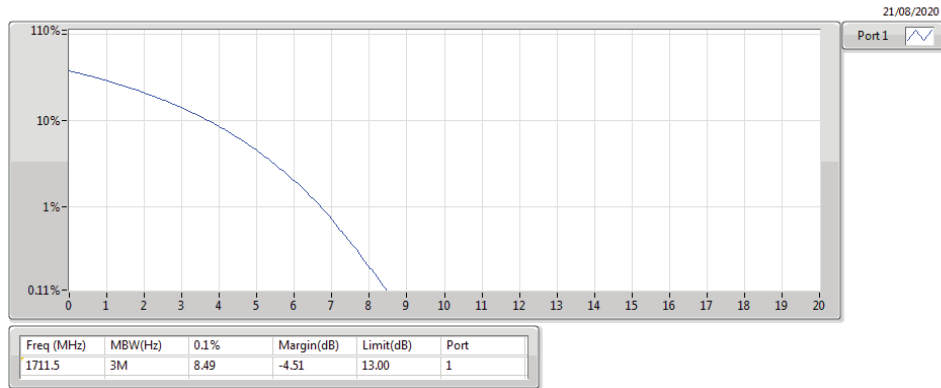
Band 4_LTE_1.4MHz_Nss1,QPSK_1TX
1754.3MHz_QPSK_RB 3,#RB M

PAR



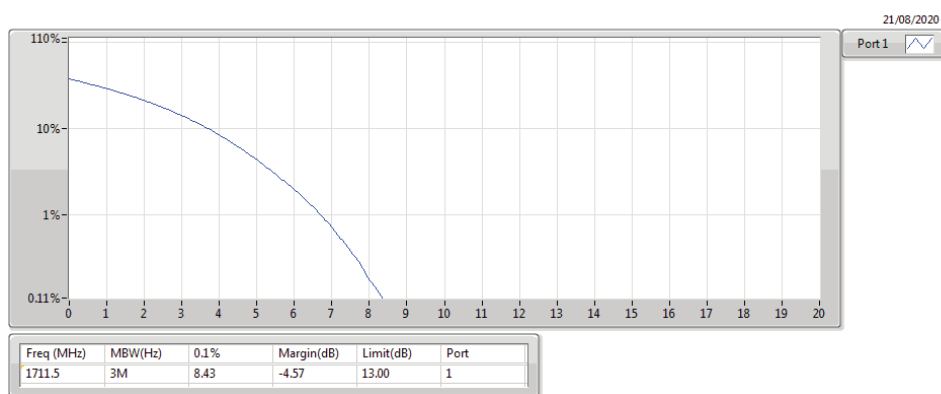
Band 4_LTE_3MHz_Nss1,QPSK_1TX
1711.5MHz_QPSK_RB 15,#RB 0

PAR



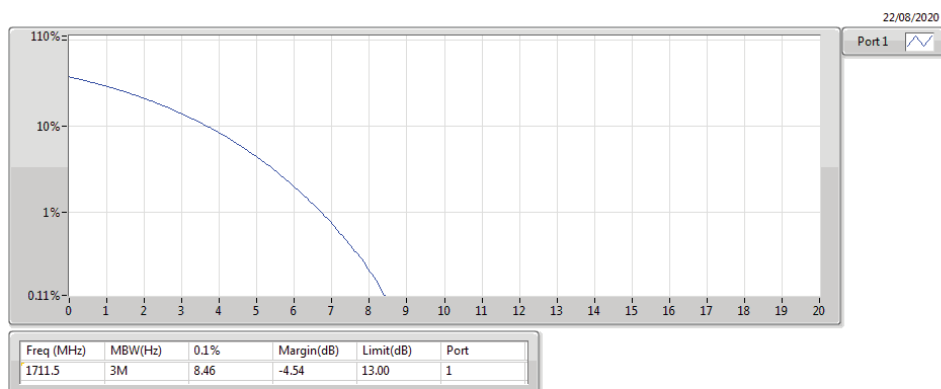
Band 4_LTE_3MHz_Nss1,QPSK_1TX
1711.5MHz_QPSK_RB 1,#RB M

PAR



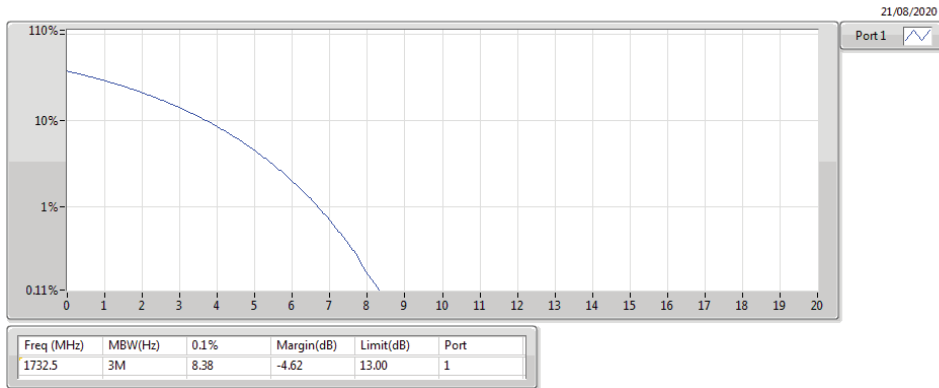
Band 4_LTE_3MHz_Nss1,QPSK_1TX
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PAR



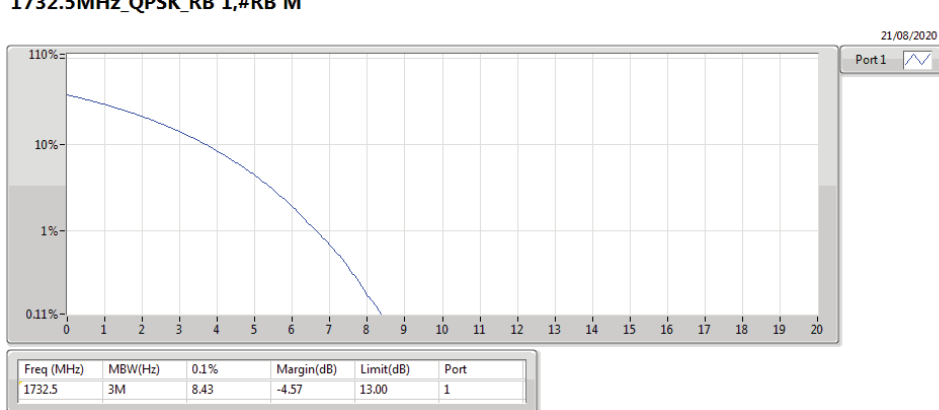
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PAR



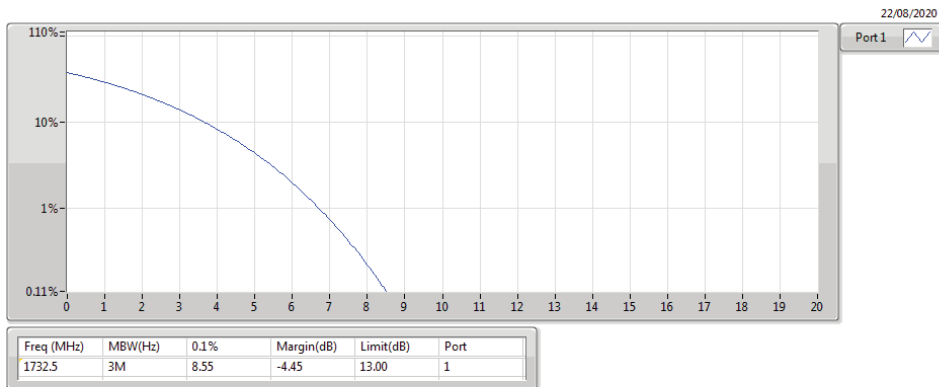
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1732.5MHz_QPSK_RB 1,#RB M

PAR



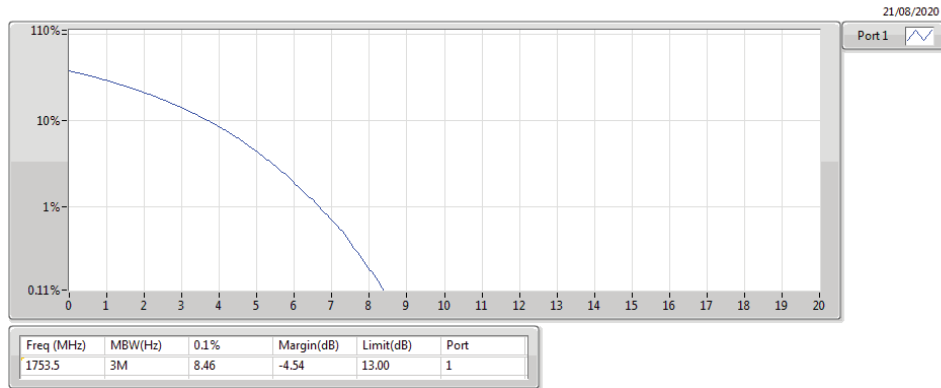
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PAR



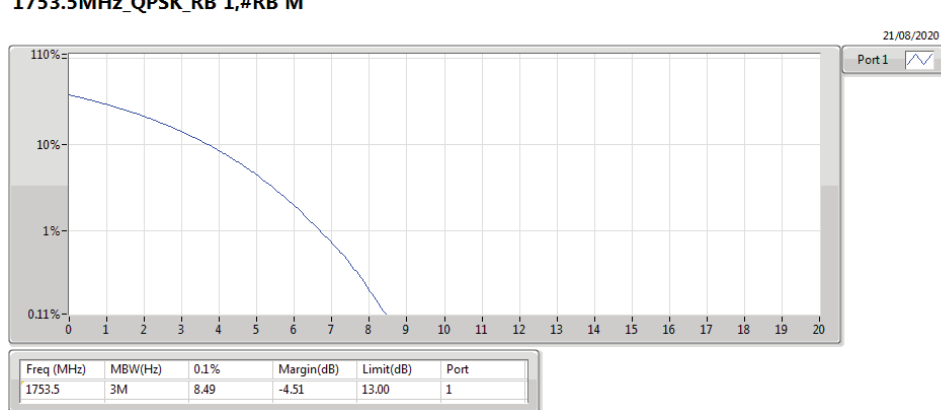
Band 4_LTE_3MHz_Nss1,QPSK_1TX
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PAR



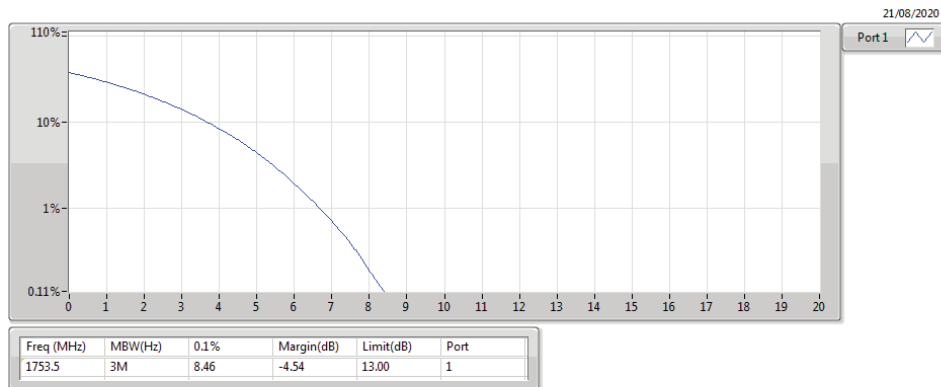
Band 4_LTE_3MHz_Nss1,QPSK_1TX
1753.5MHz_QPSK_RB 1,#RB M

PAR



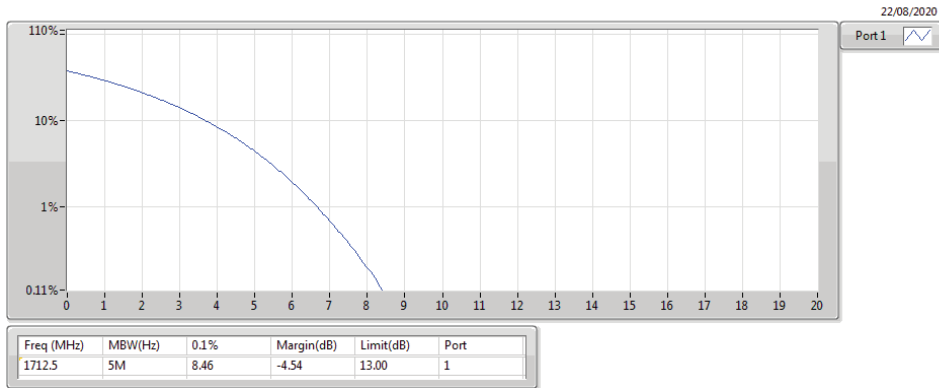
Band 4_LTE_3MHz_Nss1,QPSK_1TX
1753.5MHz_QPSK_RB 8,#RB M

PAR



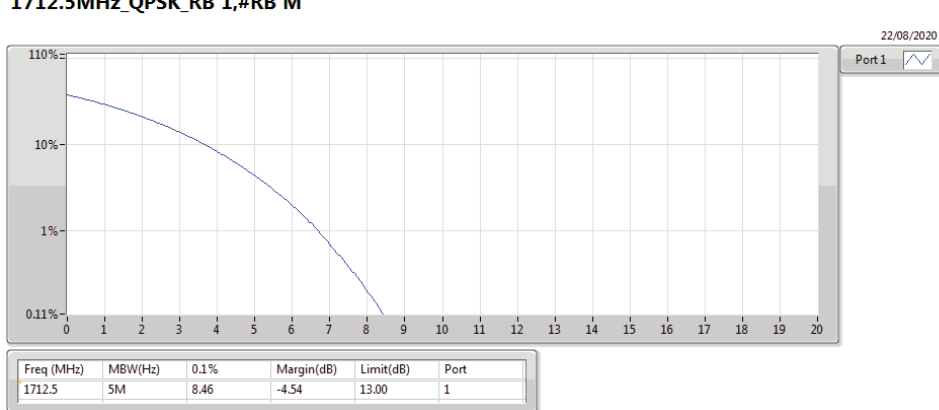
Band 4_LTE_5MHz_Nss1,QPSK_1TX
1712.5MHz_QPSK_RB 25,#RB 0

PAR



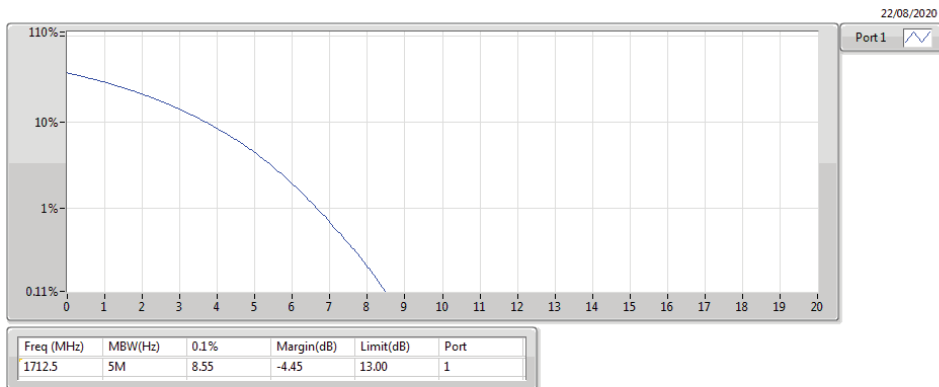
Band 4_LTE_5MHz_Nss1,QPSK_1TX
1712.5MHz_QPSK_RB 1,#RB M

PAR



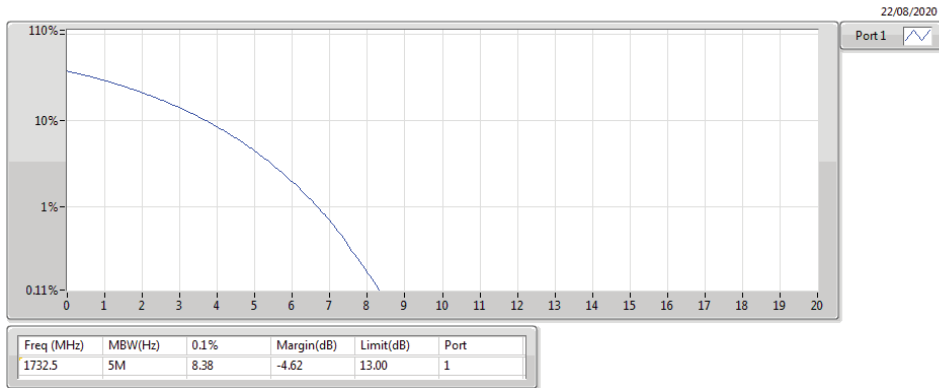
Band 4_LTE_5MHz_Nss1,QPSK_1TX
1712.5MHz_QPSK_RB 12,#RB M

PAR



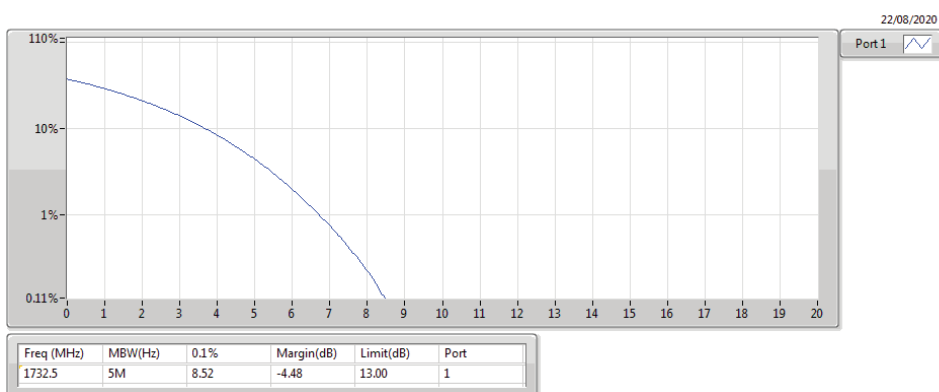
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1732.5MHz_QPSK_RB 25,#RB 0

PAR



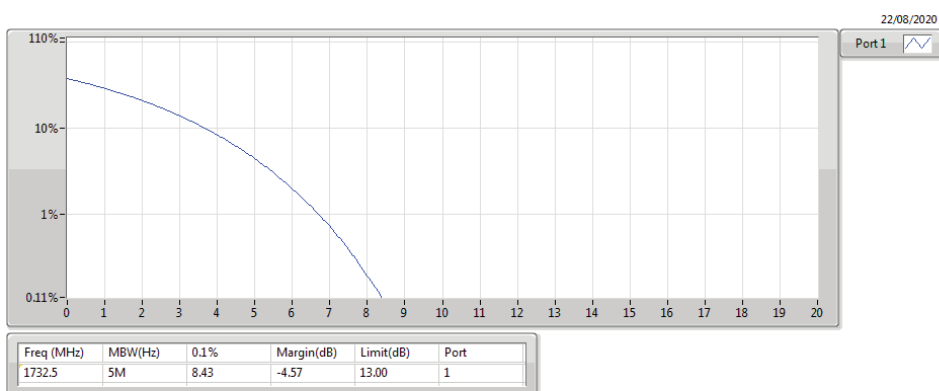
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1732.5MHz_QPSK_RB 1,#RB M

PAR



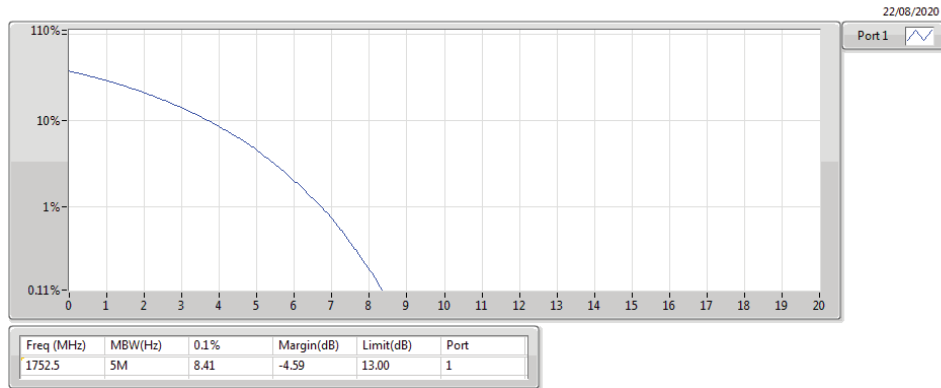
Band 4_LTE_5MHz_Nss1,QPSK_1TX
1732.5MHz_QPSK_RB 12,#RB M

PAR



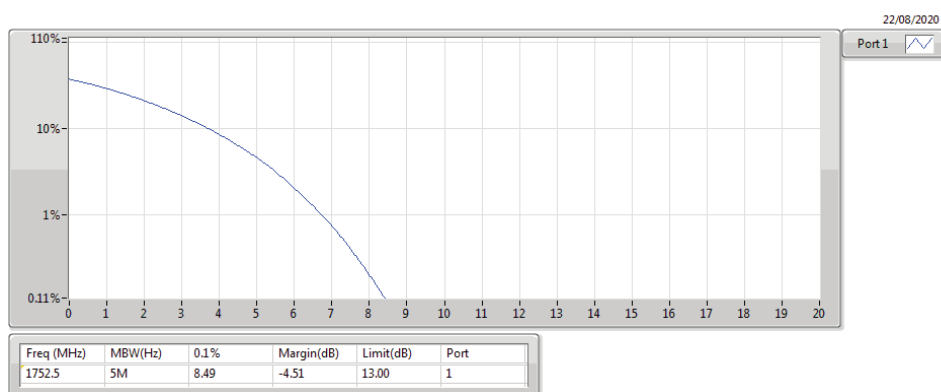
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1752.5MHz_QPSK_RB 25,#RB 0

PAR



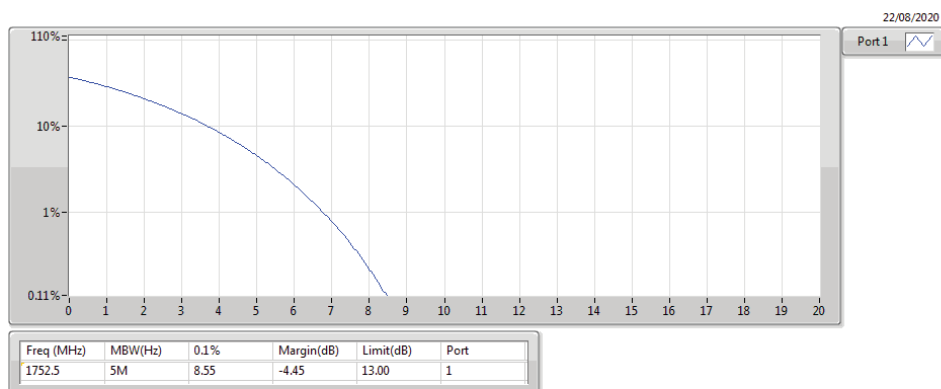
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1752.5MHz_QPSK_RB 1,#RB M

PAR



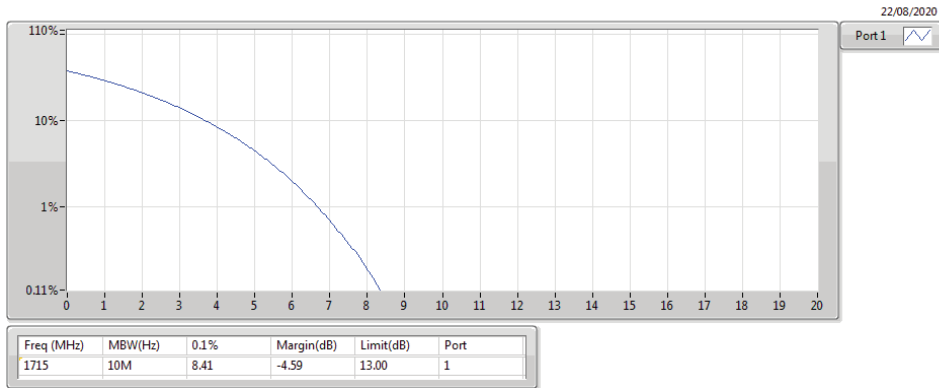
Band 4_LTE_5MHz_Nss1,QPSK_1TX
1752.5MHz_QPSK_RB 12,#RB M

PAR



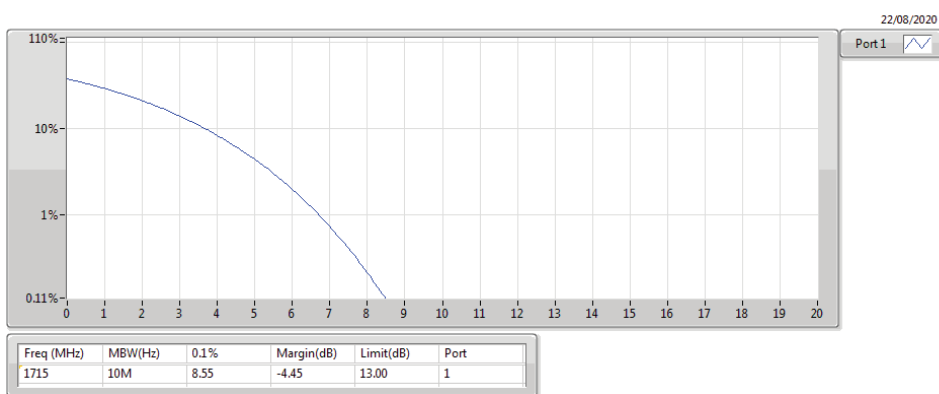
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PAR



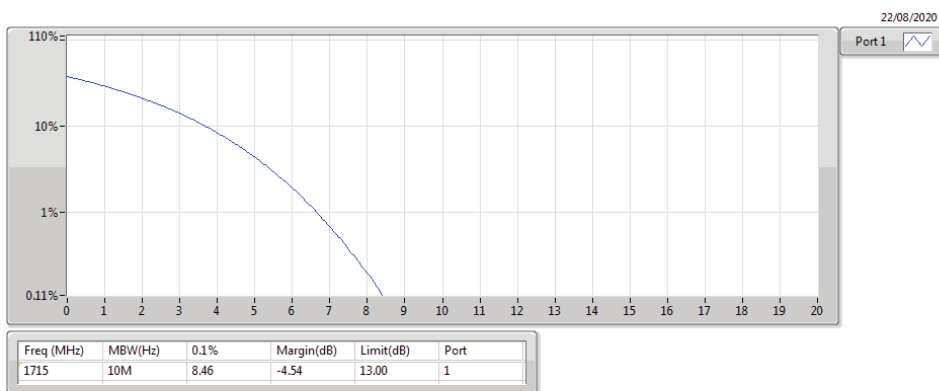
Band 4_LTE_10MHz_Nss1,QPSK_1TX
1715MHz_QPSK_RB 1,#RB M

PAR



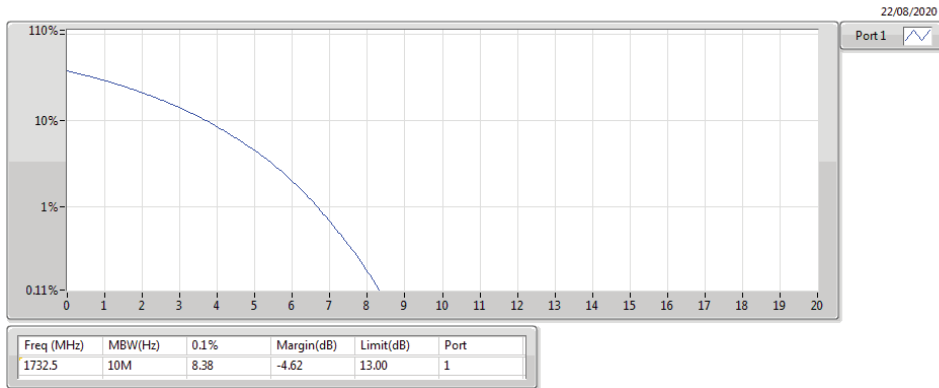
Band 4_LTE_10MHz_Nss1,QPSK_1TX
1715MHz_QPSK_RB 25,#RB M

PAR



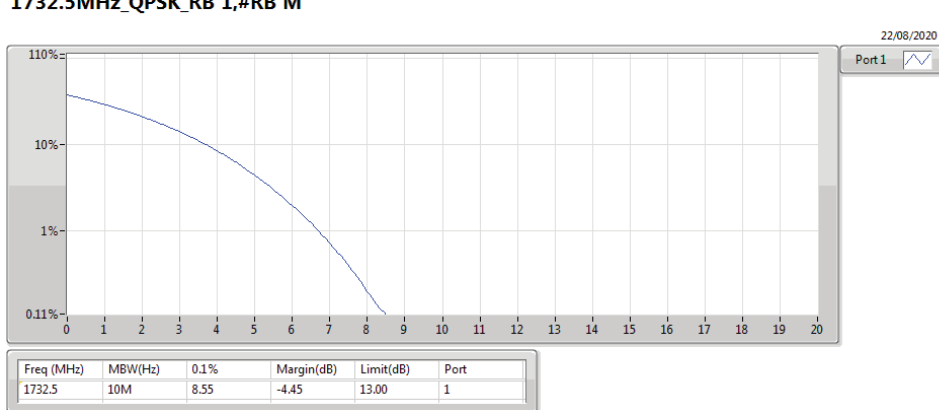
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PAR



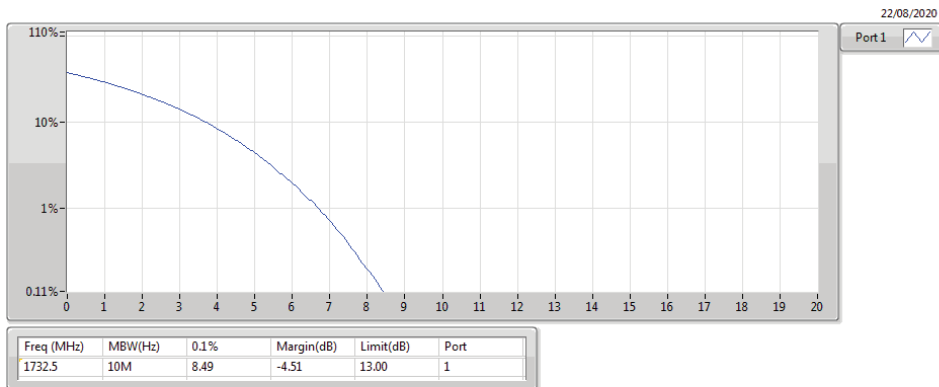
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1732.5MHz_QPSK_RB 1,#RB M

PAR



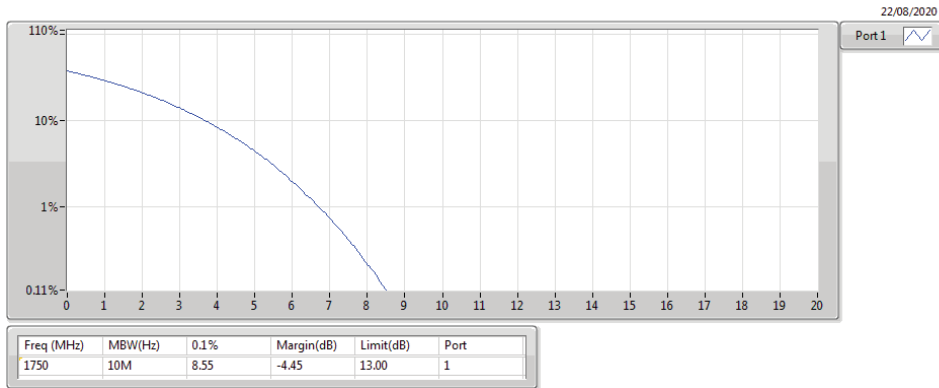
Band 4_LTE_10MHz_Nss1,QPSK_1TX
1732.5MHz_QPSK_RB 25,#RB M

PAR



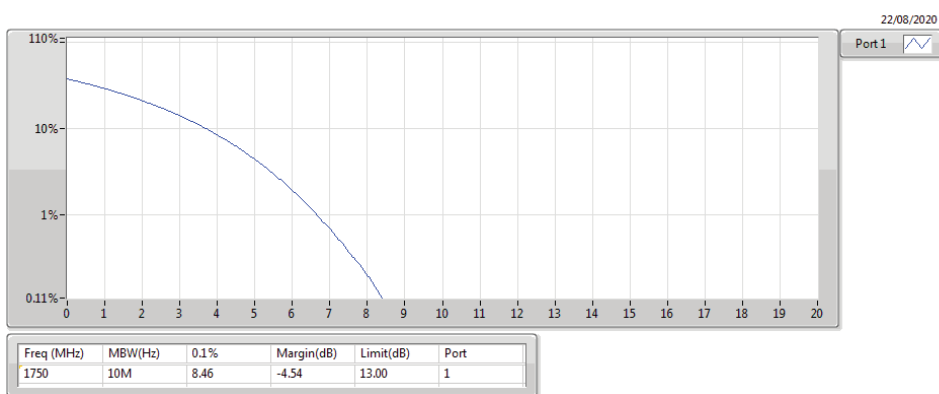
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1750MHz_QPSK_RB 50,#RB 0

PAR



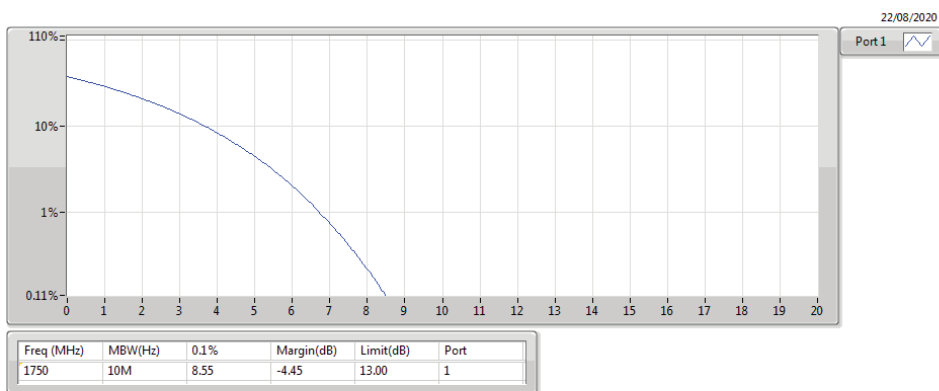
Band 4_LTE_10MHz_Nss1,QPSK_1TX
1750MHz_QPSK_RB 1,#RB M

PAR



Band 4_LTE_10MHz_Nss1,QPSK_1TX
1750MHz_QPSK_RB 25,#RB M

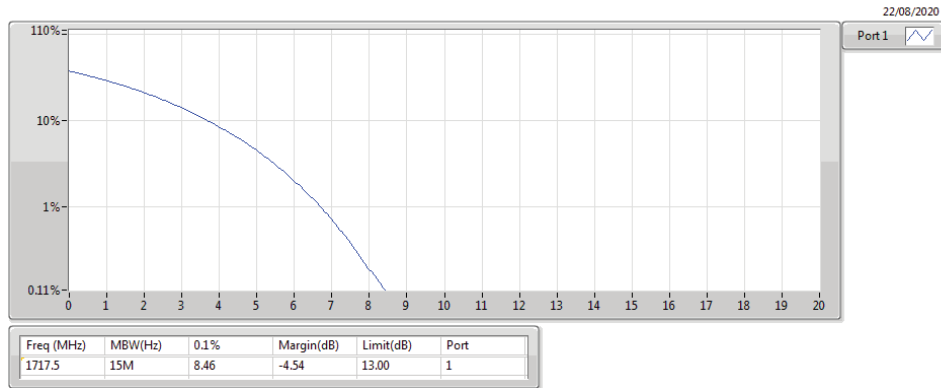
PAR



Band 4_LTE_15MHz_Nss1,QPSK_1TX

PAR

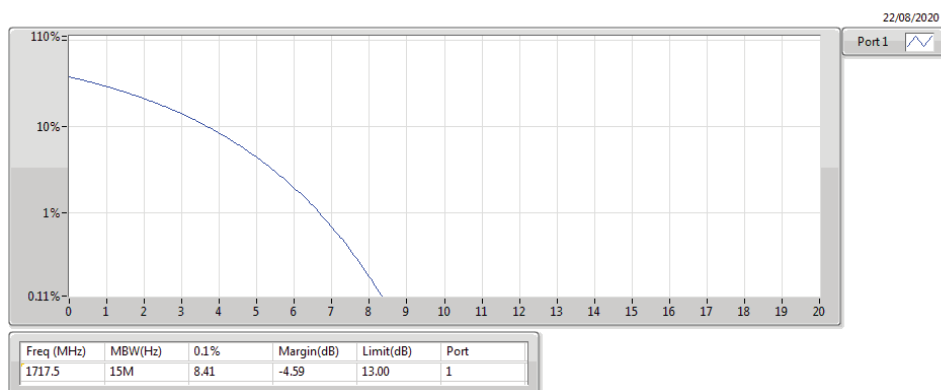
1717.5MHz_QPSK_RB 75,#RB 0



Band 4_LTE_15MHz_Nss1,QPSK_1TX

PAR

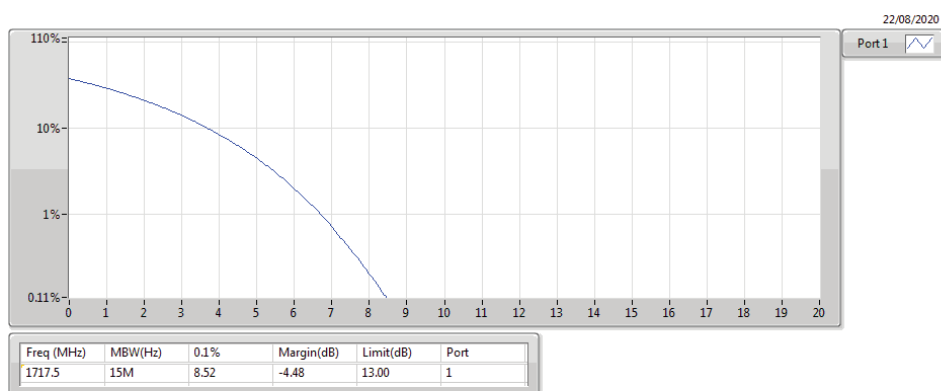
1717.5MHz_QPSK_RB 1,#RB M



Band 4_LTE_15MHz_Nss1,QPSK_1TX

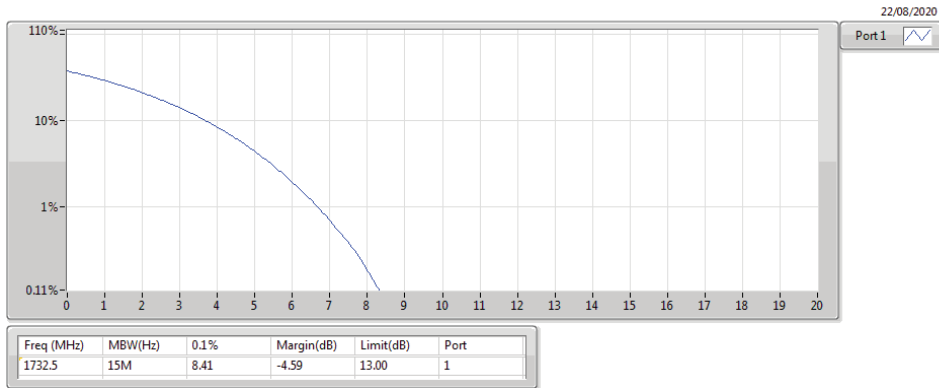
PAR

1717.5MHz_QPSK_RB 36,#RB M



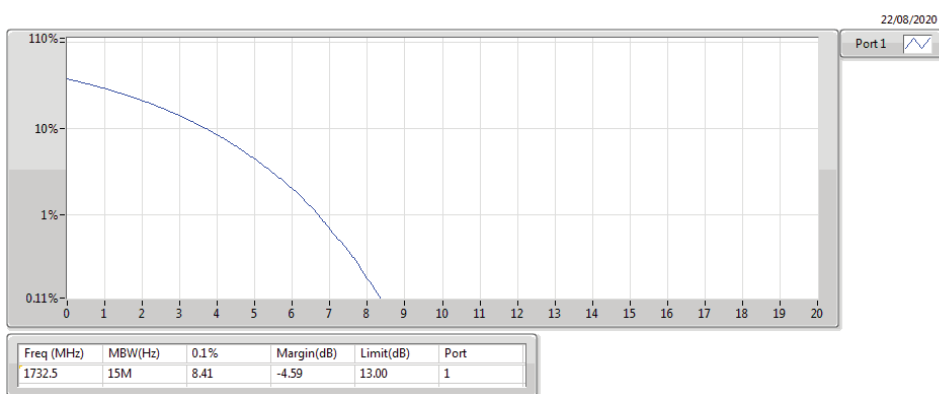
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1732.5MHz_QPSK_RB 75,#RB 0

PAR



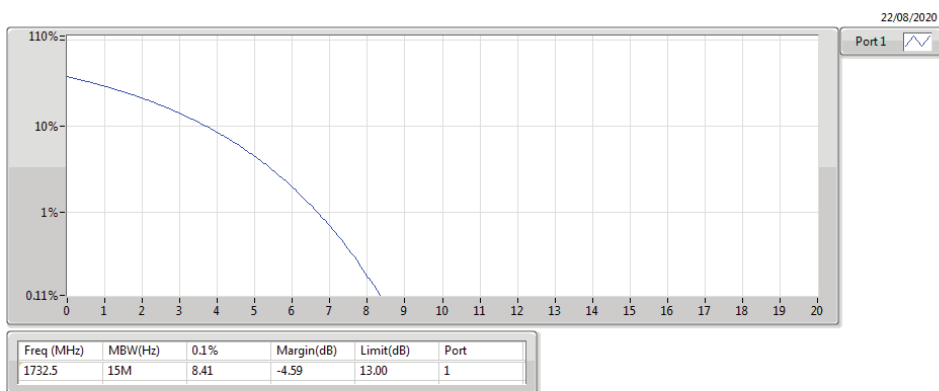
Band 4_LTE_15MHz_Nss1,QPSK_1TX
1732.5MHz_QPSK_RB 1,#RB M

PAR



Band 4_LTE_15MHz_Nss1,QPSK_1TX
1732.5MHz_QPSK_RB 36,#RB M

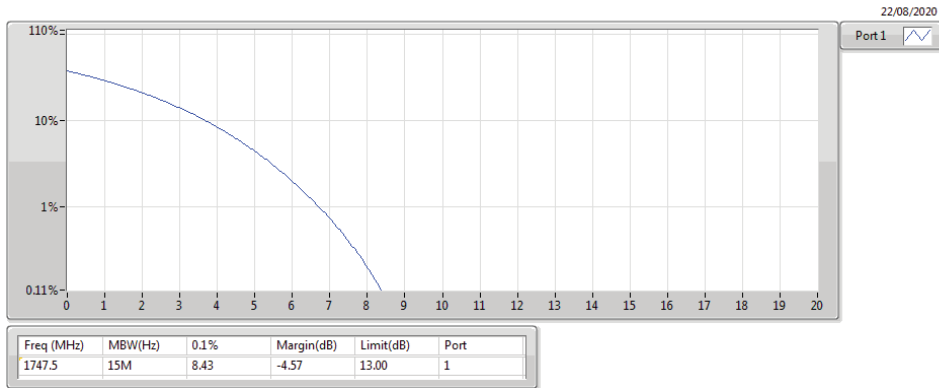
PAR



Band 4_LTE_15MHz_Nss1,QPSK_1TX

PAR

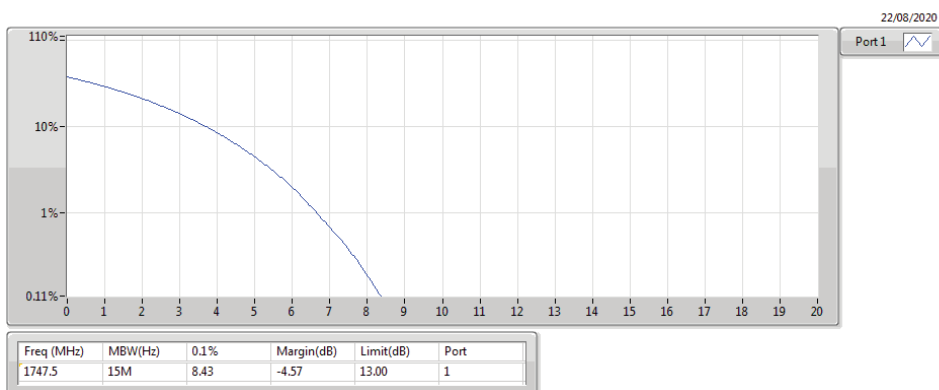
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Band 4_LTE_15MHz_Nss1,QPSK_1TX

PAR

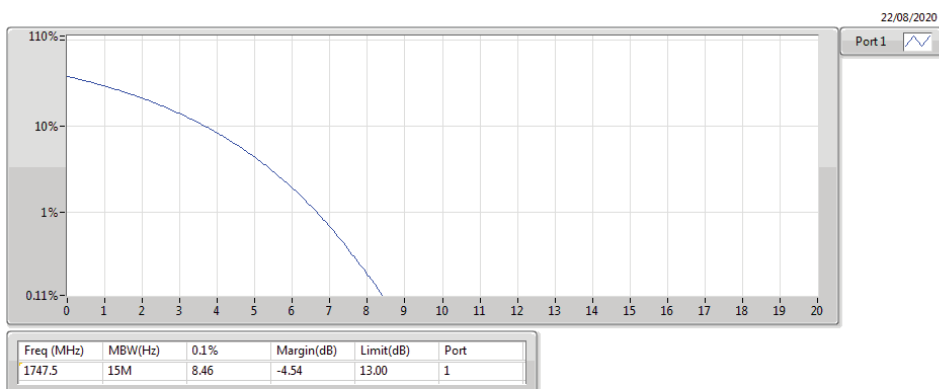
1747.5MHz_QPSK_RB 1,#RB M



Band 4_LTE_15MHz_Nss1,QPSK_1TX

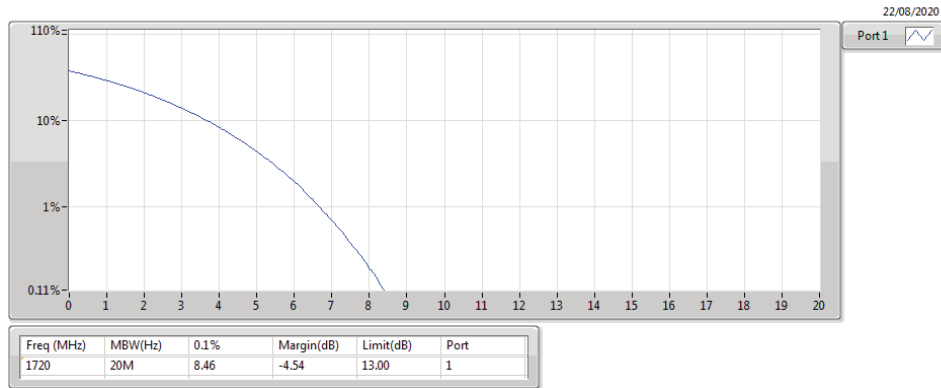
PAR

1747.5MHz_QPSK_RB 36,#RB M



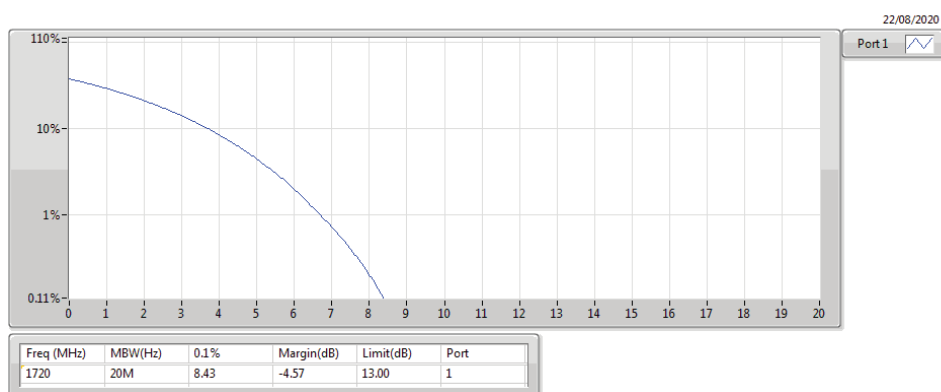
Band 4_LTE_20MHz_Nss1,QPSK_1TX
1720MHz_QPSK_RB 100,#RB 0

PAR



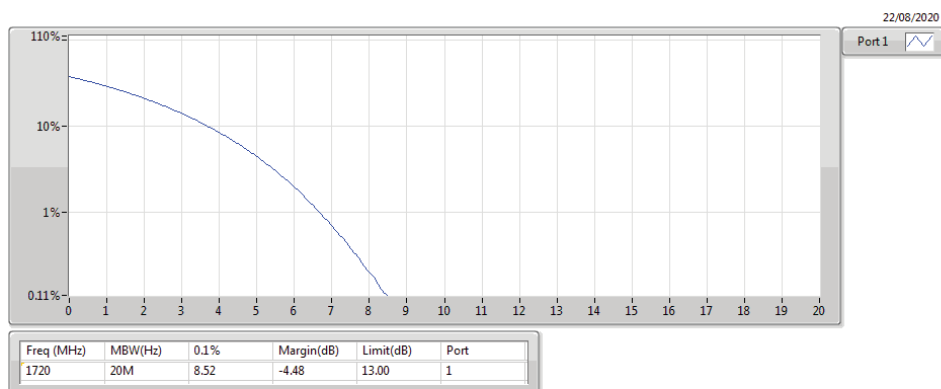
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1720MHz_QPSK_RB 1,#RB M

PAR



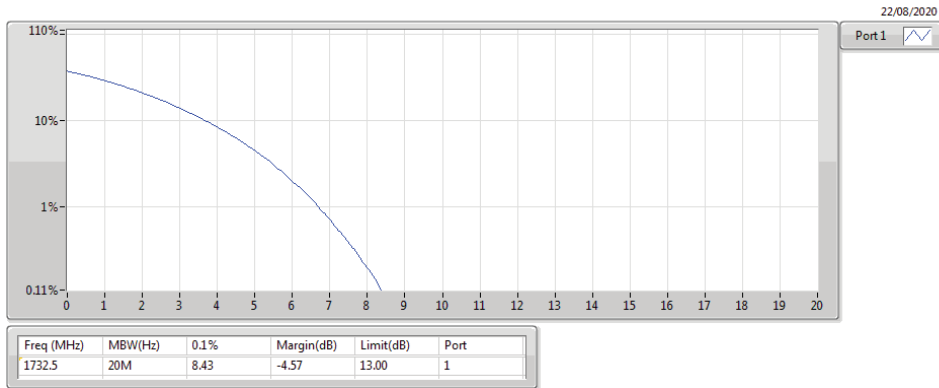
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PAR



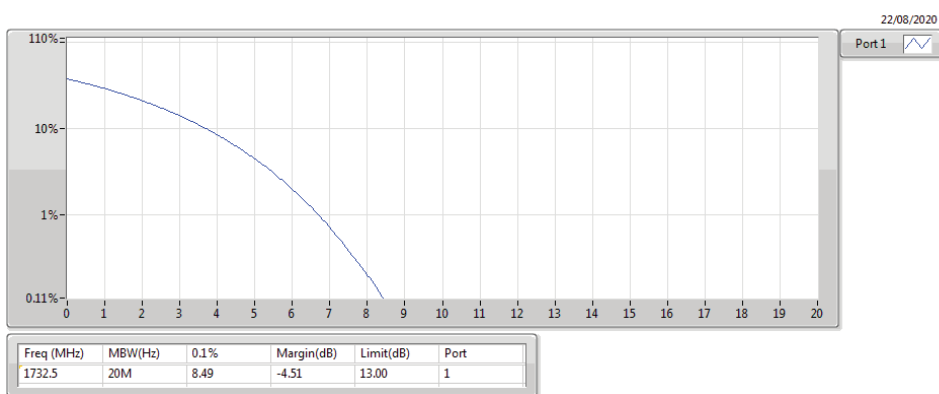
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PAR



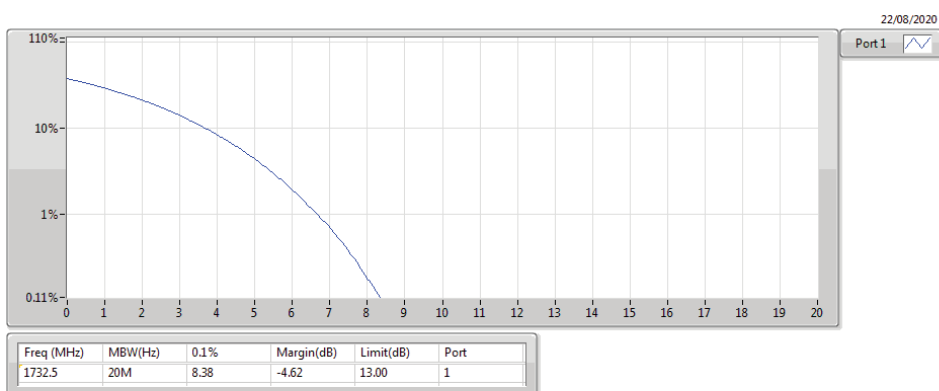
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1732.5MHz_QPSK_RB 1,#RB M

PAR



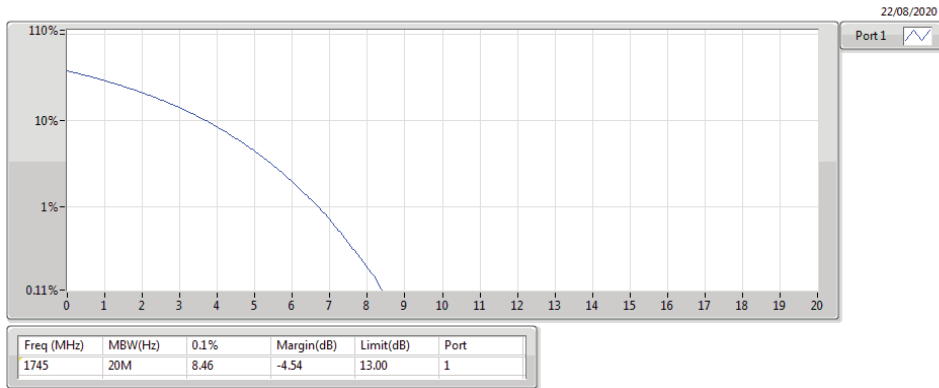
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PAR



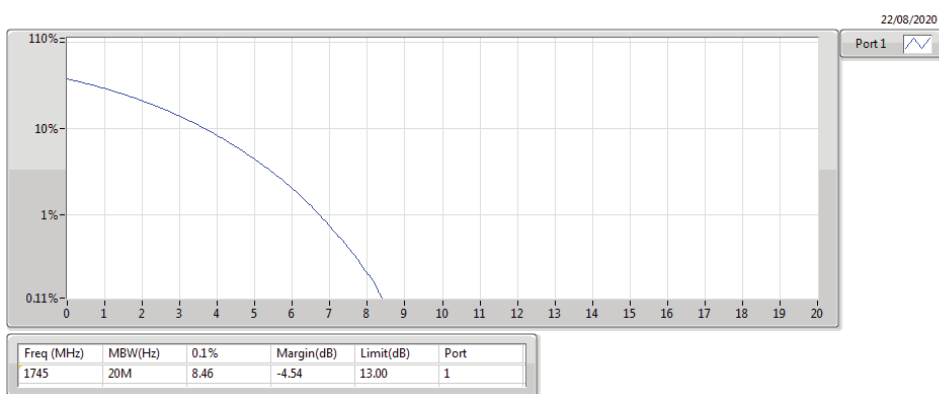
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1745MHz_QPSK_RB 100,#RB 0

PAR



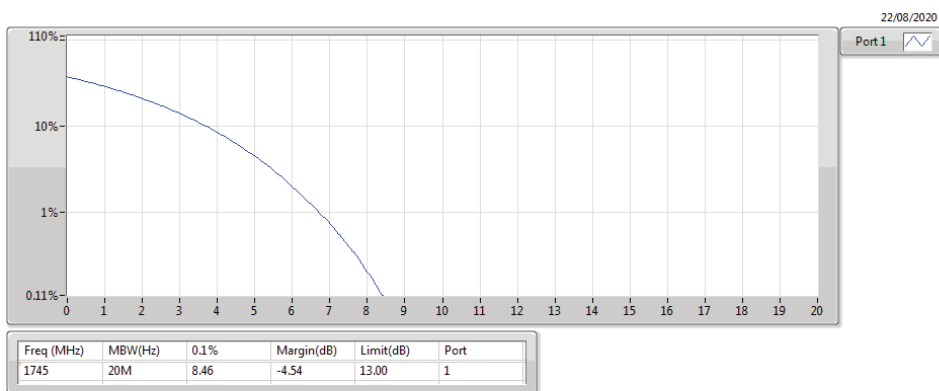
Band 4_LTE_20MHz_Nss1,QPSK_1TX
1745MHz_QPSK_RB 1,#RB M

PAR



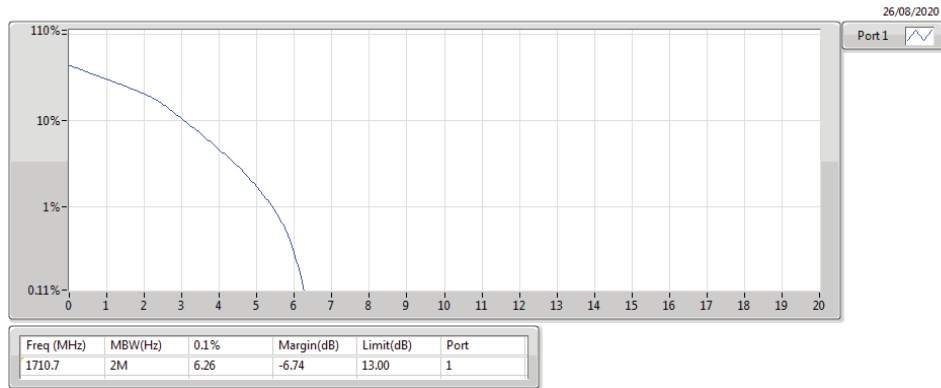
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1745MHz_QPSK_RB 50,#RB M

PAR



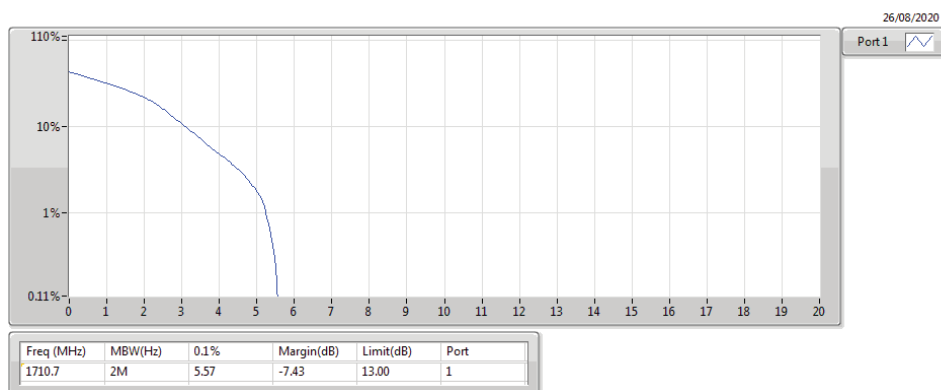
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1710.7MHz_16QAM_RB 6,#RB 0

PAR



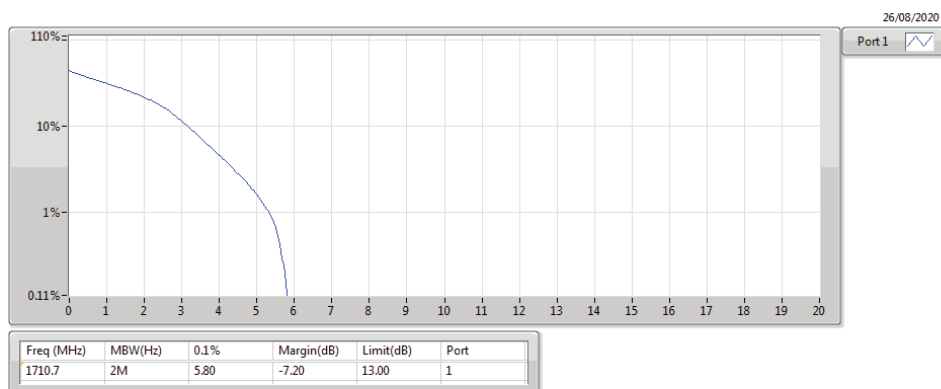
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1710.7MHz_16QAM_RB 1,#RB M

PAR



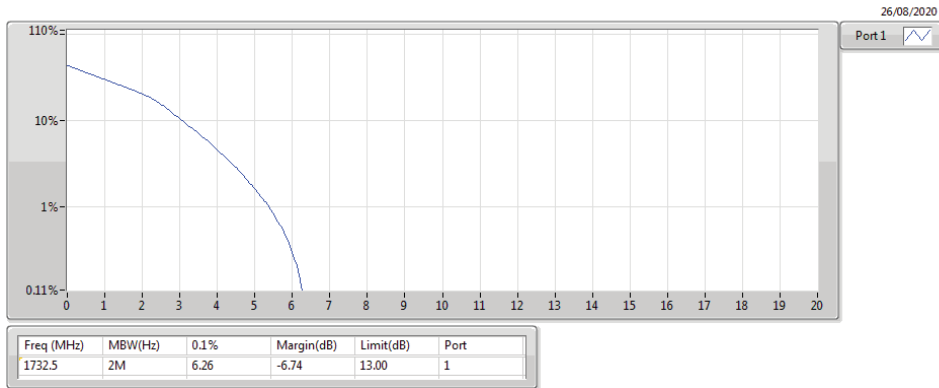
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1710.7MHz_16QAM_RB 3,#RB M

PAR



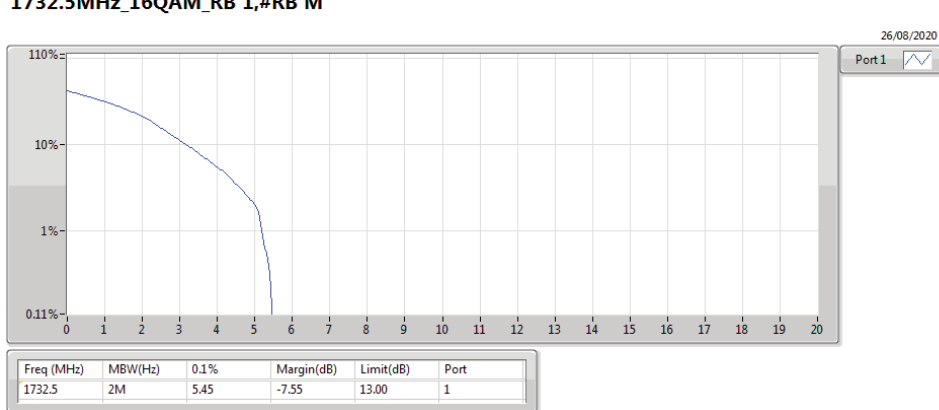
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PAR



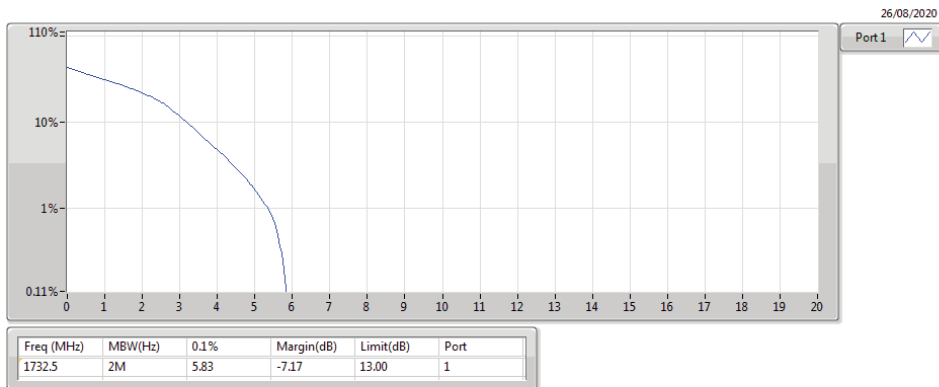
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1732.5MHz_16QAM_RB 1,#RB M

PAR



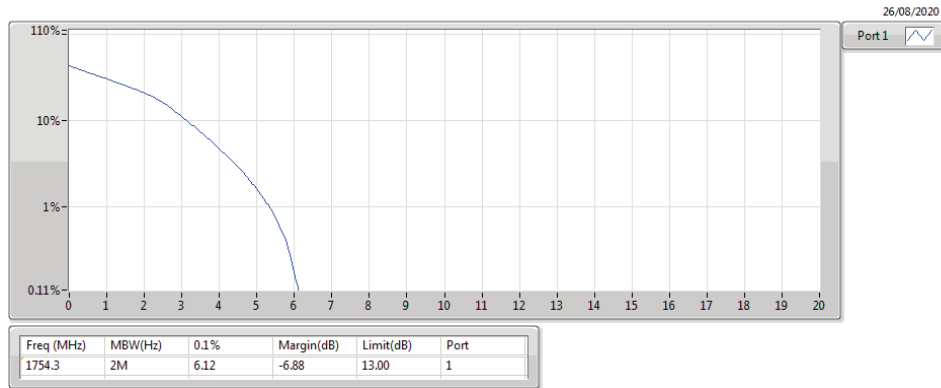
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PAR



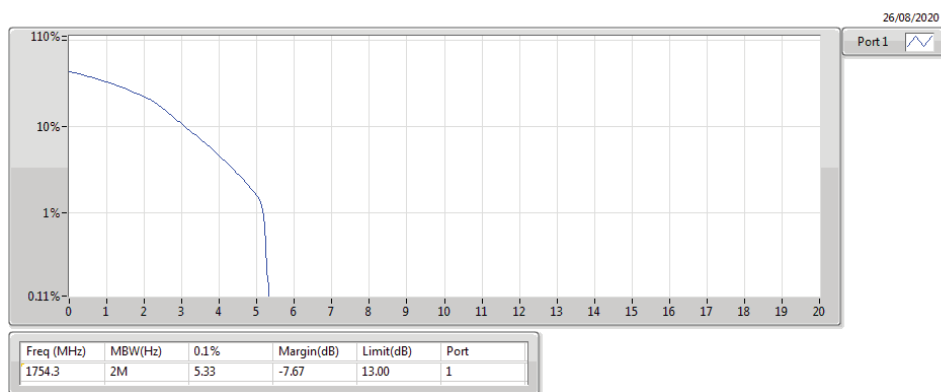
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PAR



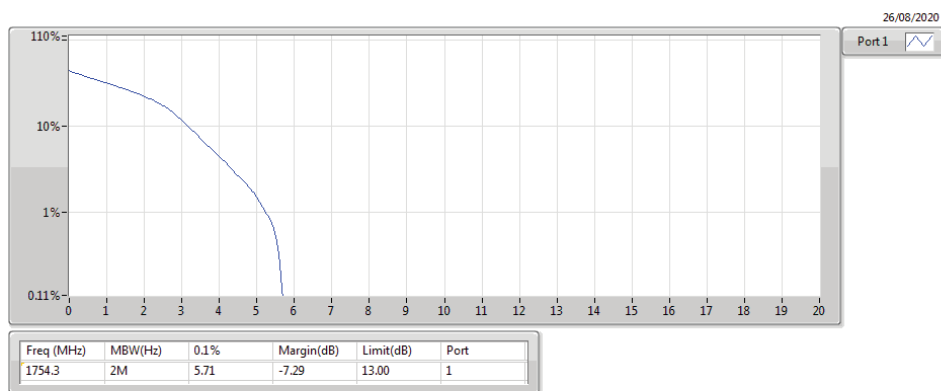
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PAR



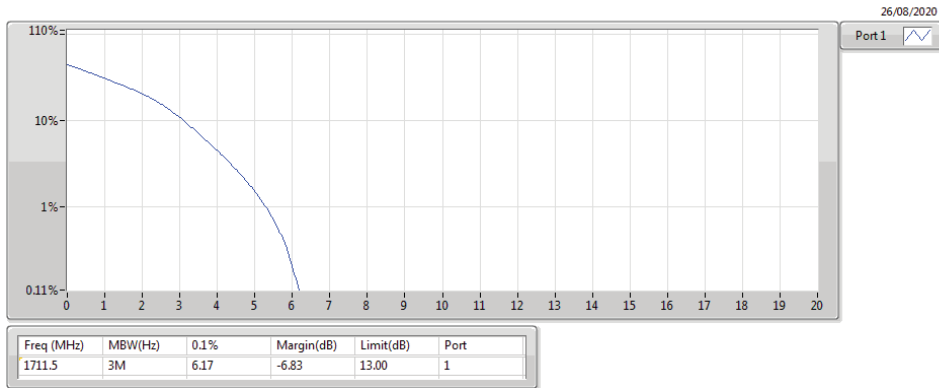
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PAR



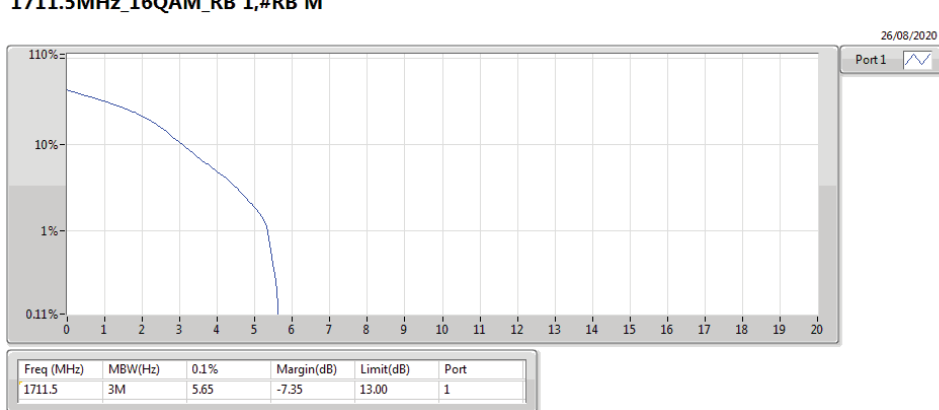
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PAR



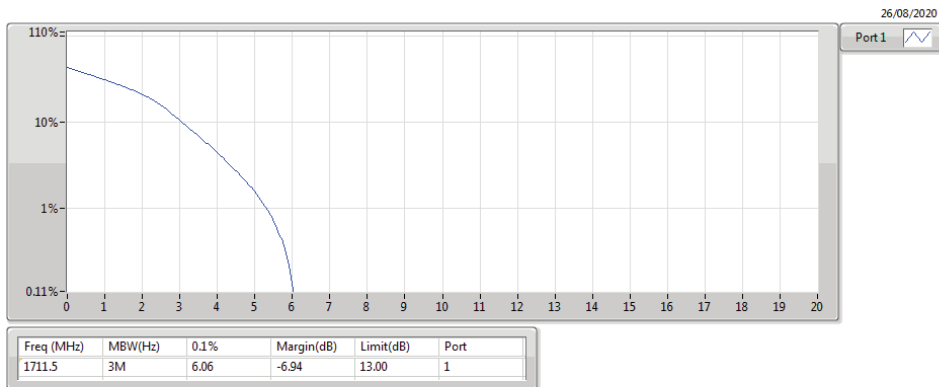
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1711.5MHz_16QAM_RB 1,#RB M

PAR



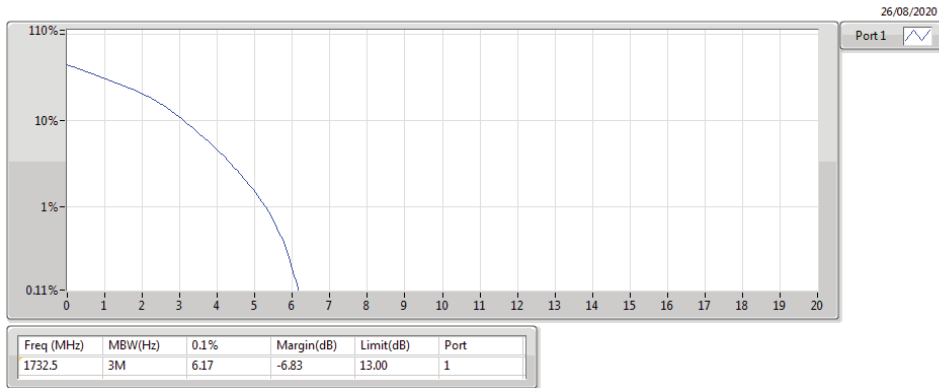
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1711.5MHz_16QAM_RB 8,#RB M

PAR



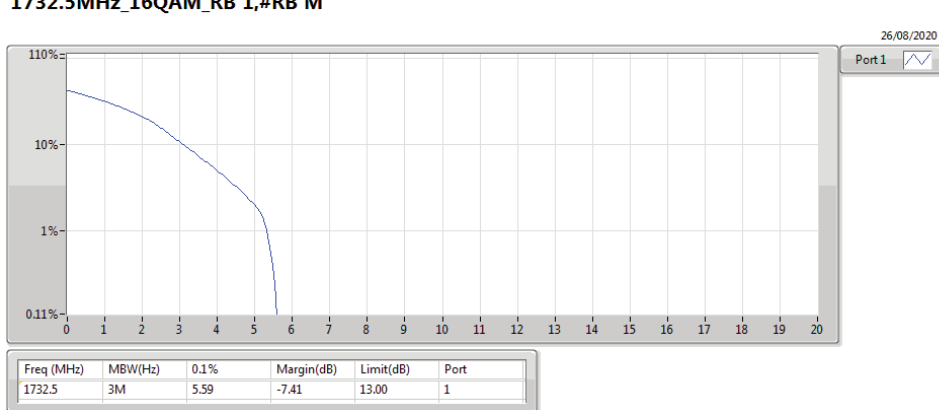
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PAR



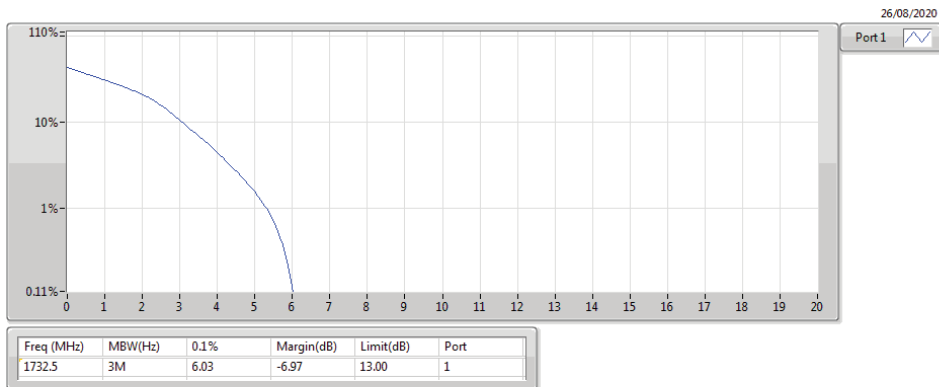
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PAR



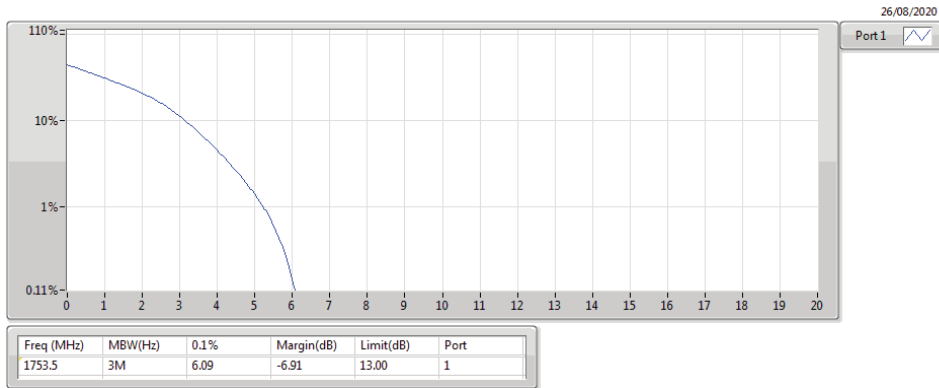
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PAR



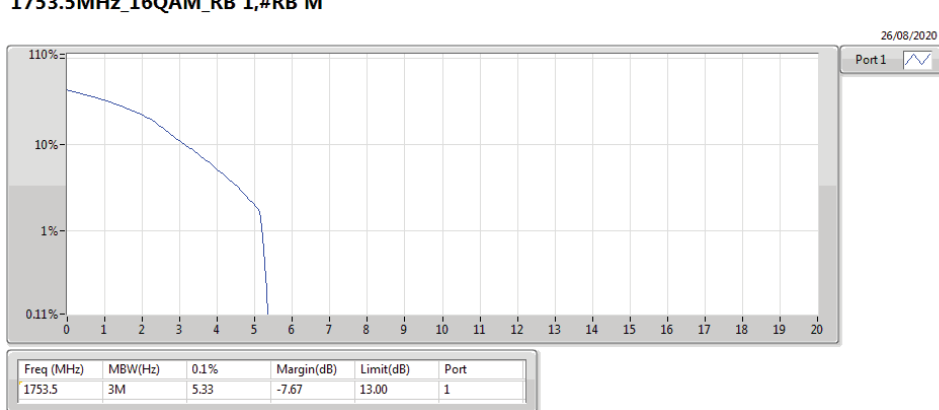
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PAR



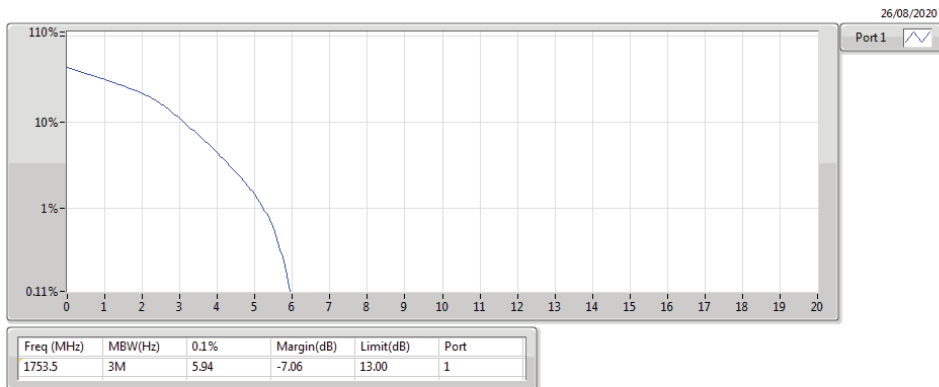
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PAR



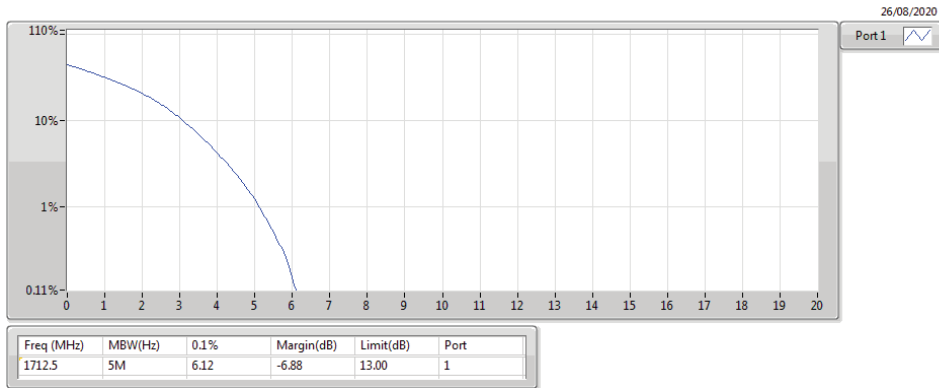
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PAR



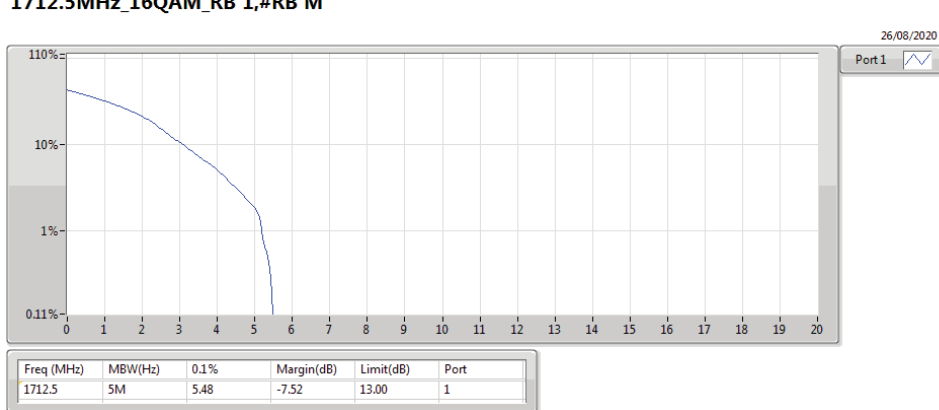
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PAR



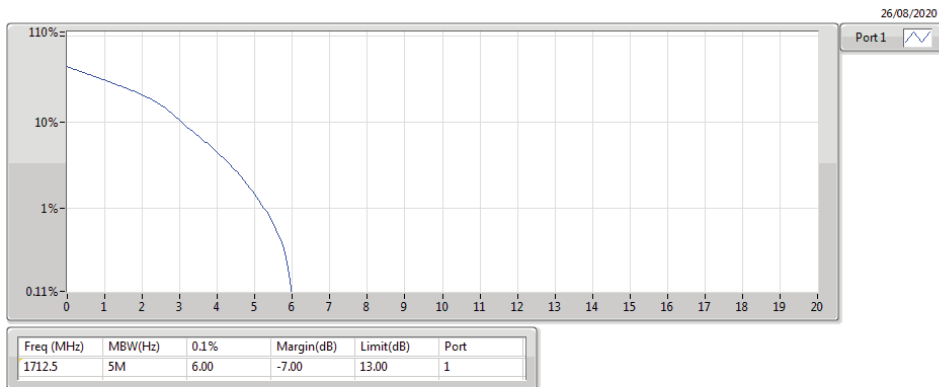
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PAR



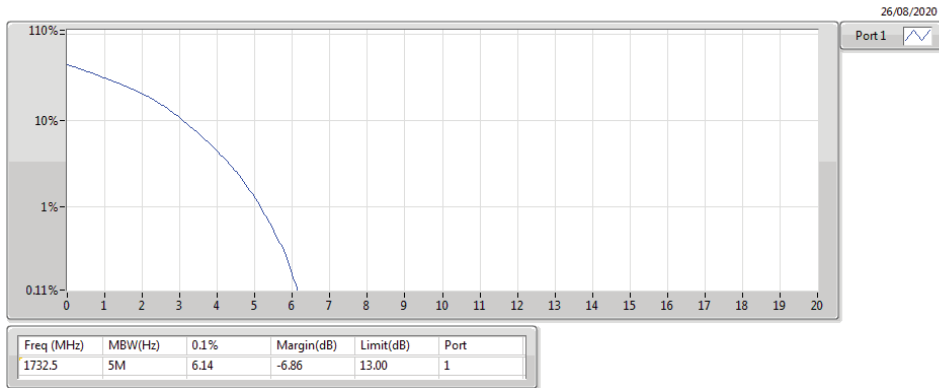
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PAR



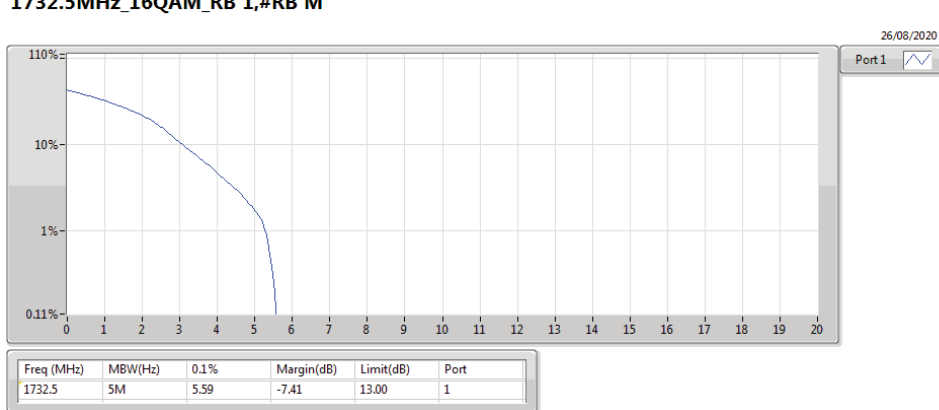
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PAR



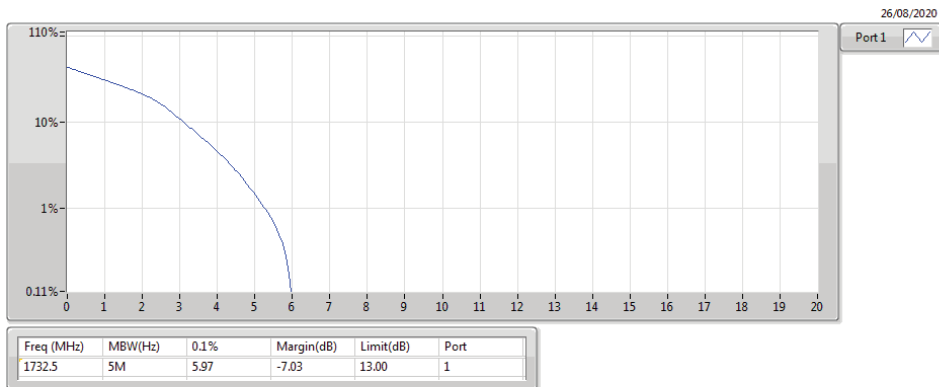
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PAR



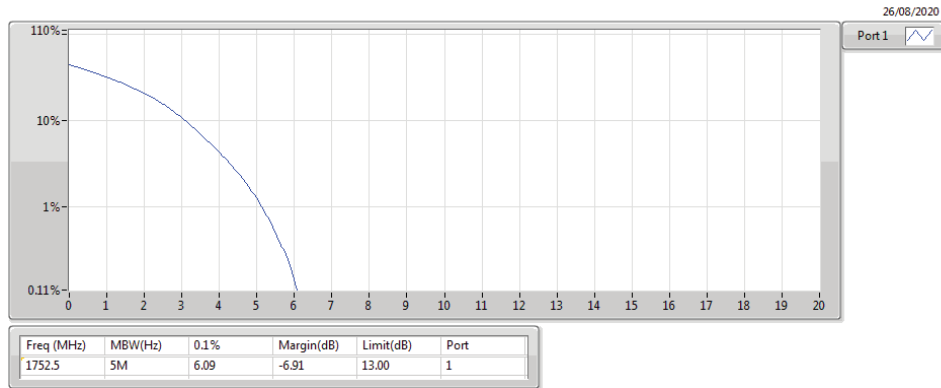
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PAR



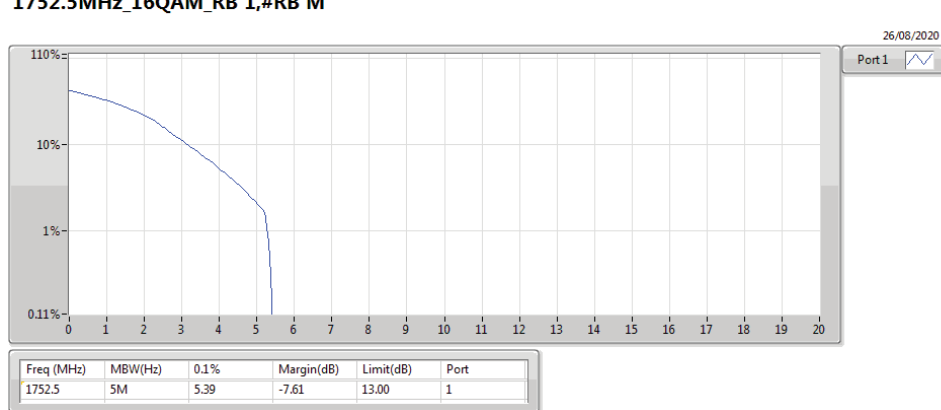
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PAR



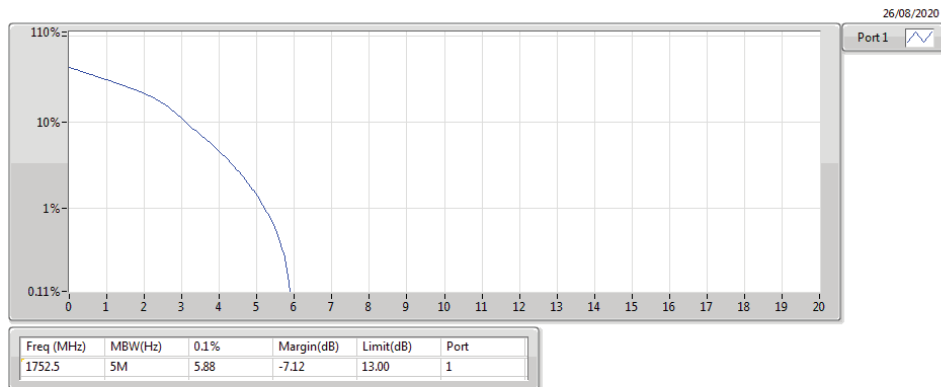
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PAR



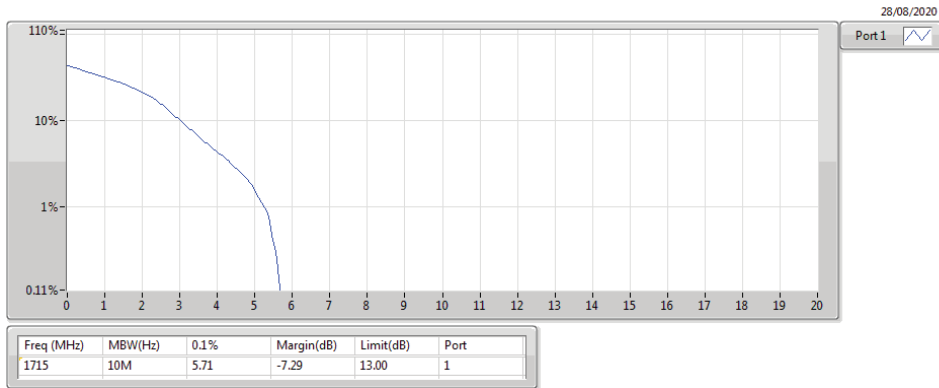
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PAR



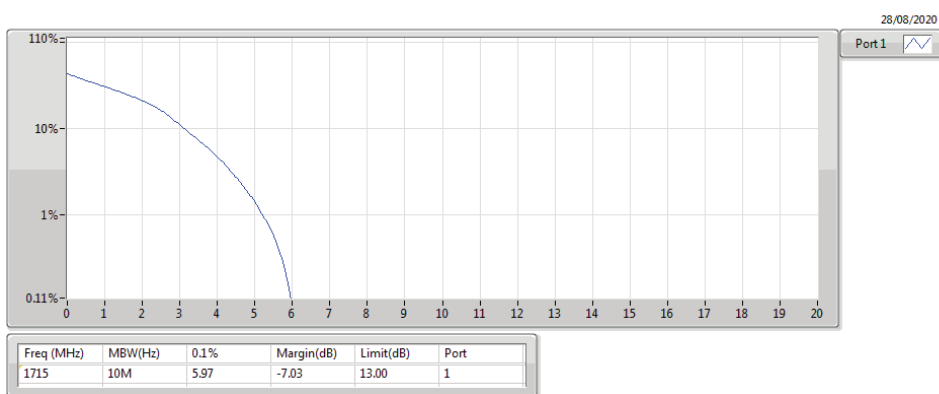
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PAR



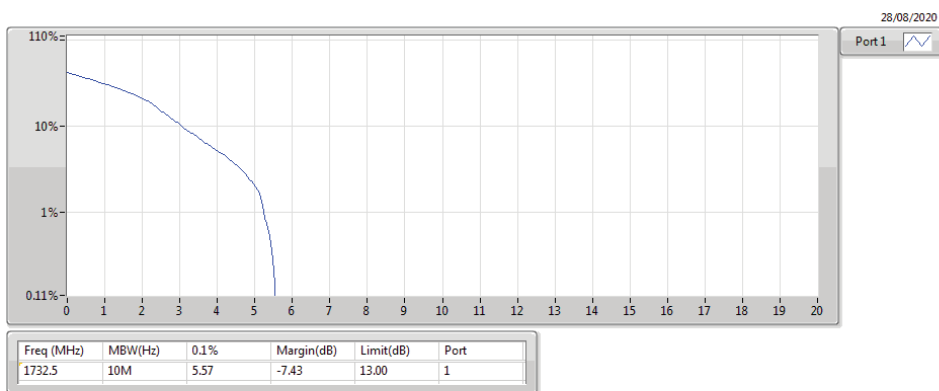
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PAR



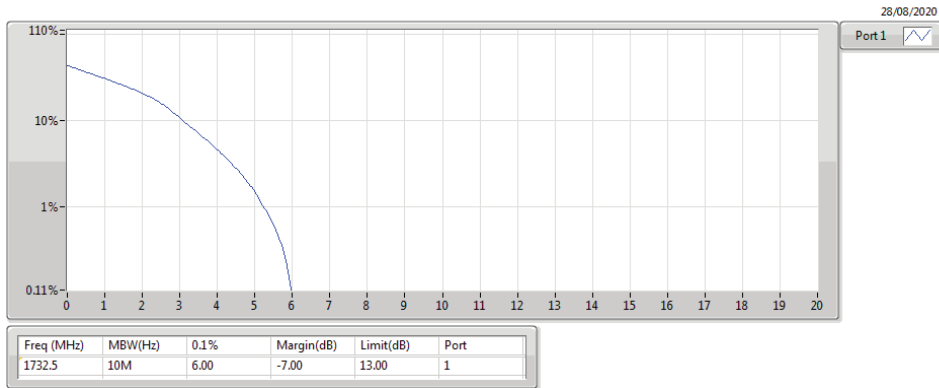
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PAR



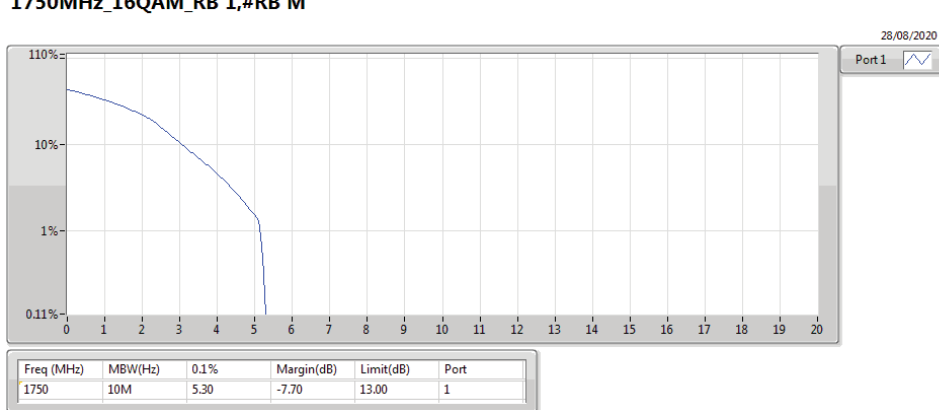
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PAR



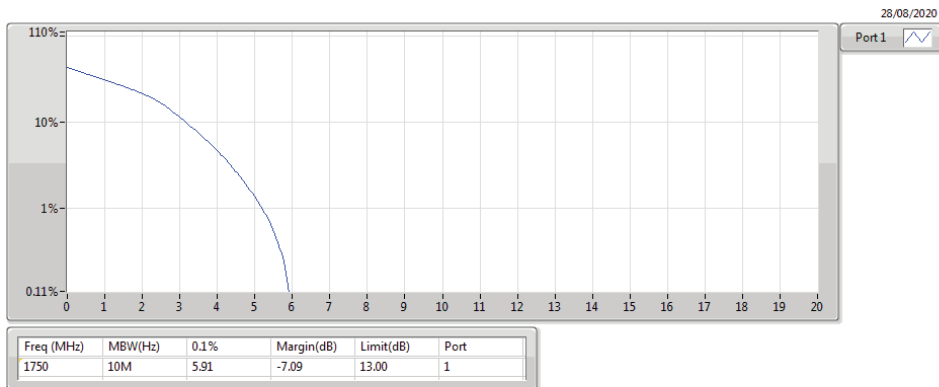
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PAR



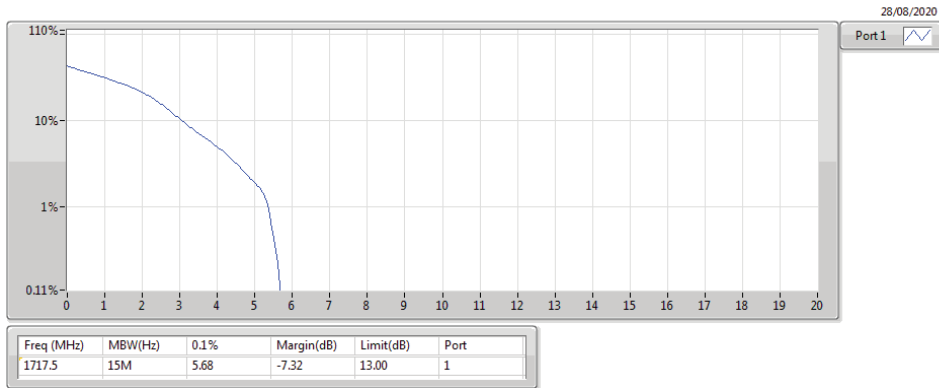
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PAR



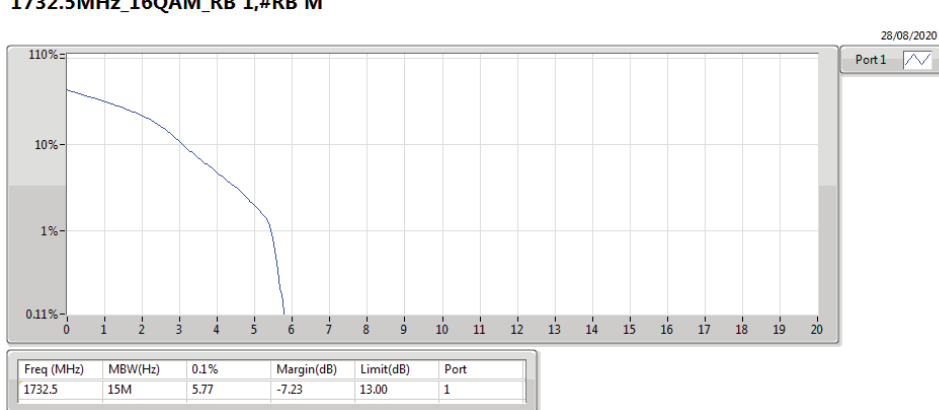
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PAR



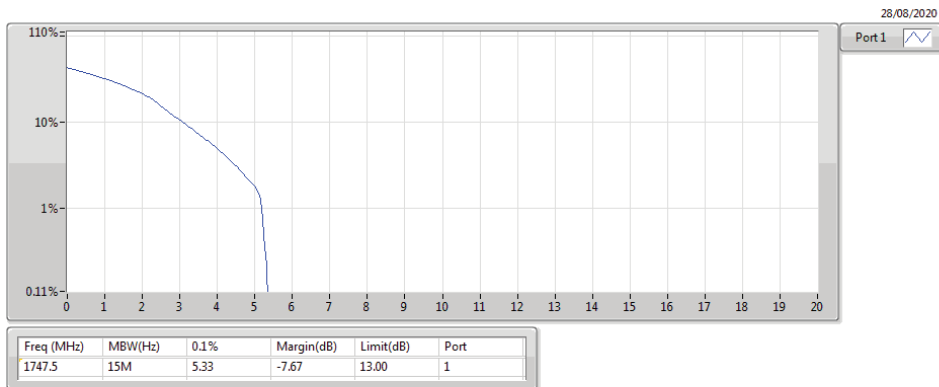
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PAR



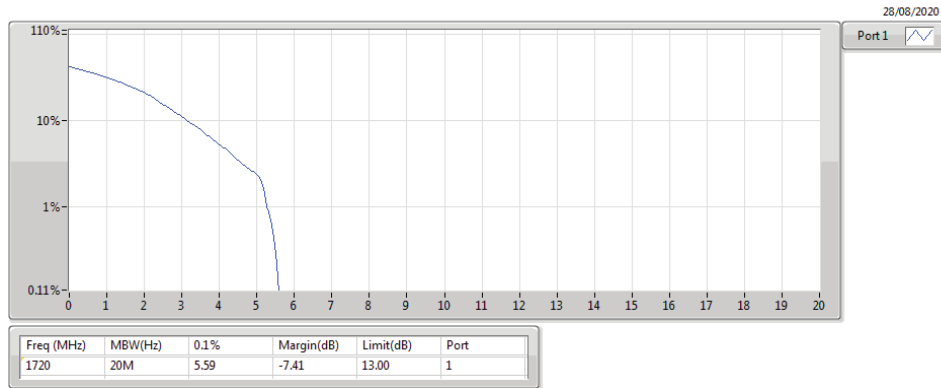
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PAR



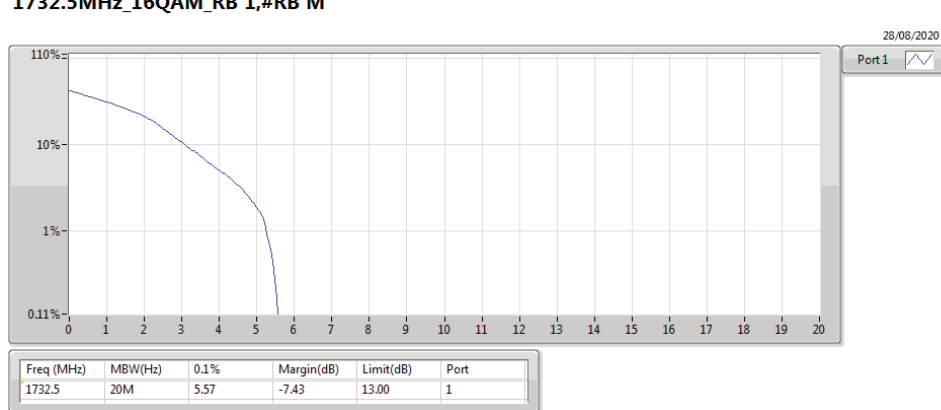
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PAR



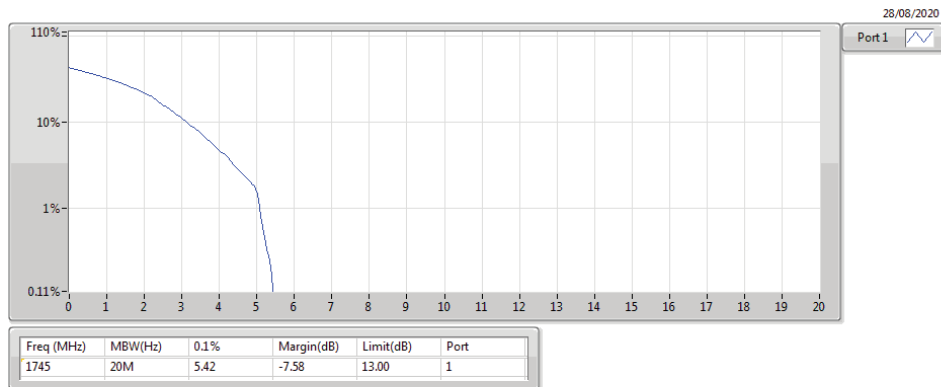
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PAR



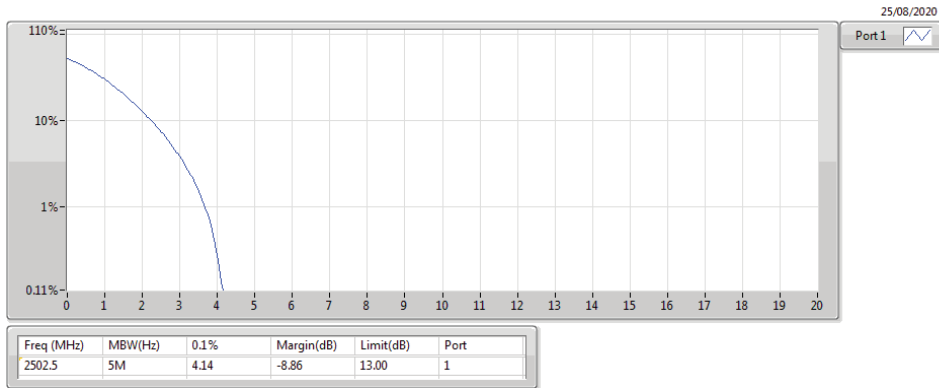
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PAR



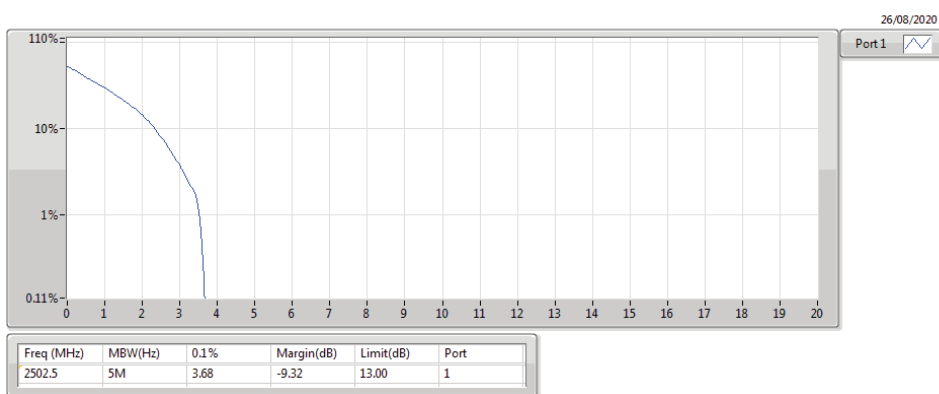
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PAR



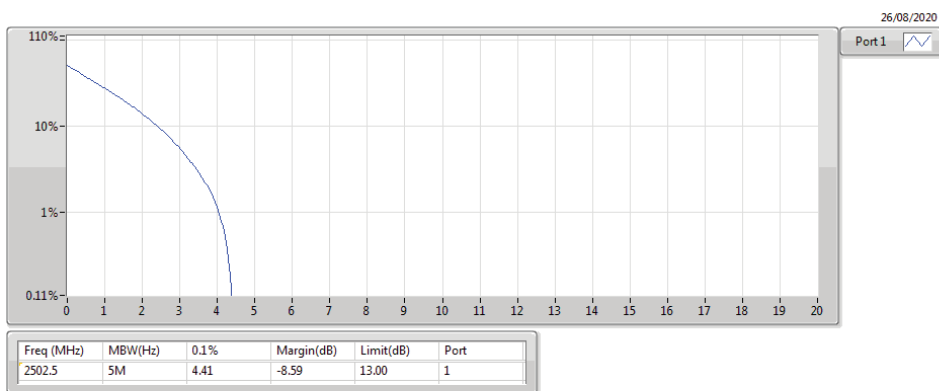
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PAR



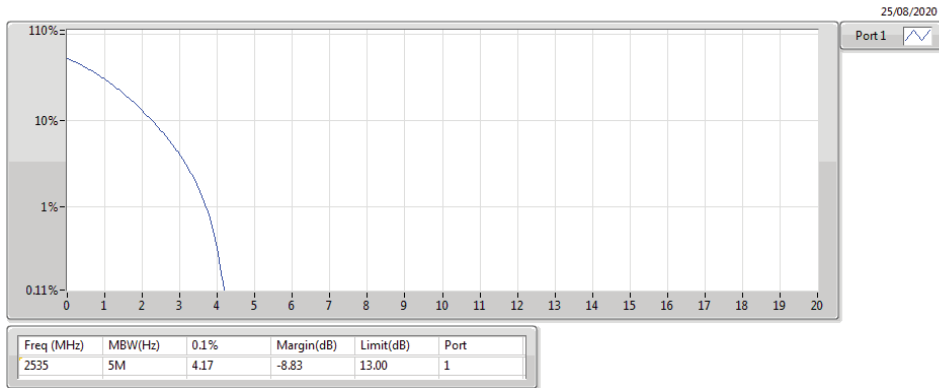
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PAR



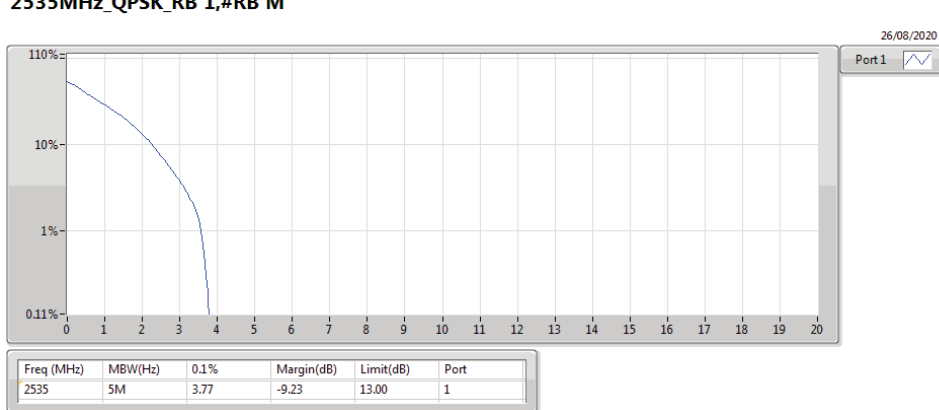
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PAR



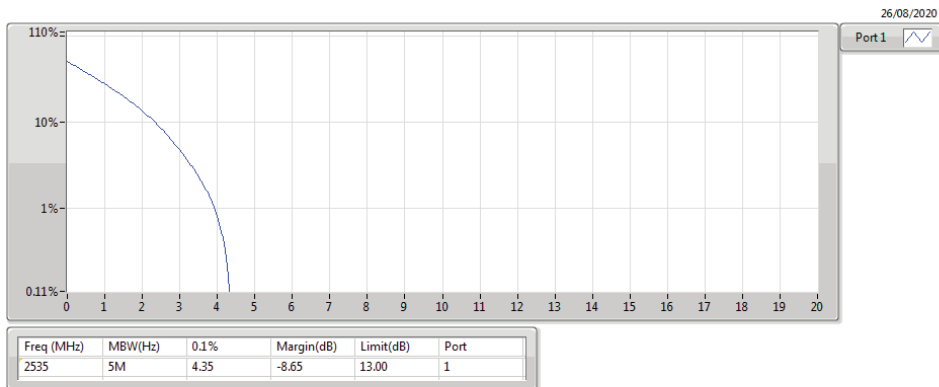
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PAR



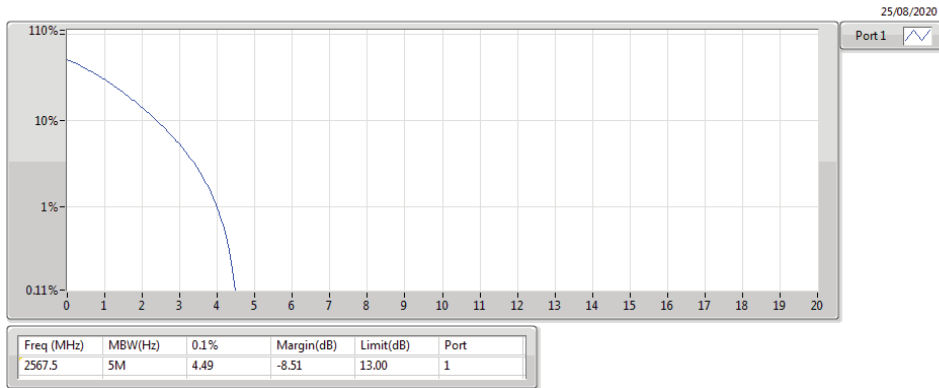
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PAR



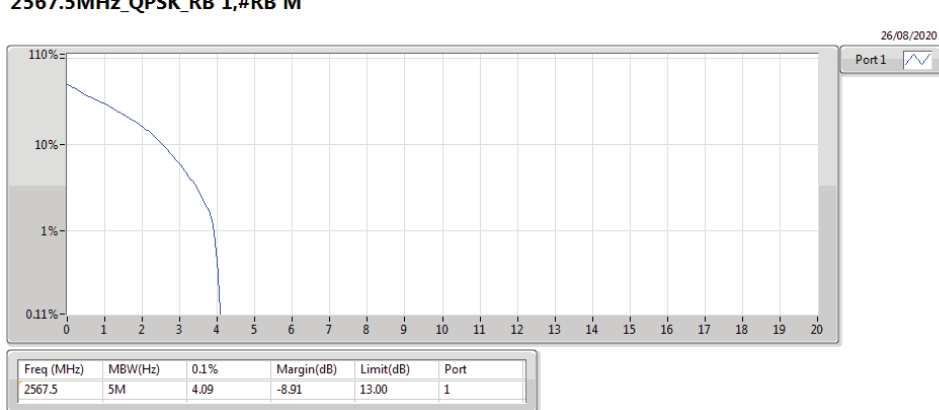
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PAR



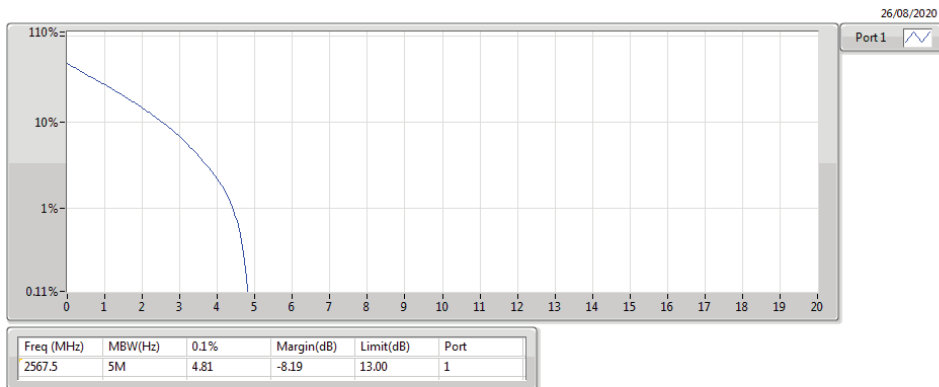
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PAR



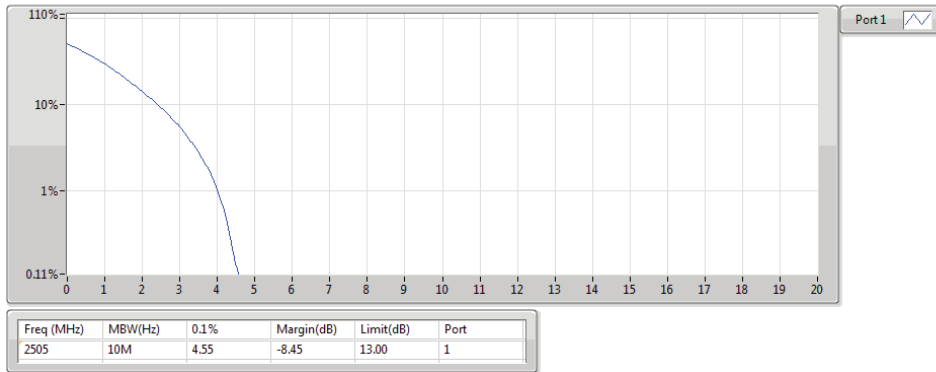
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PAR



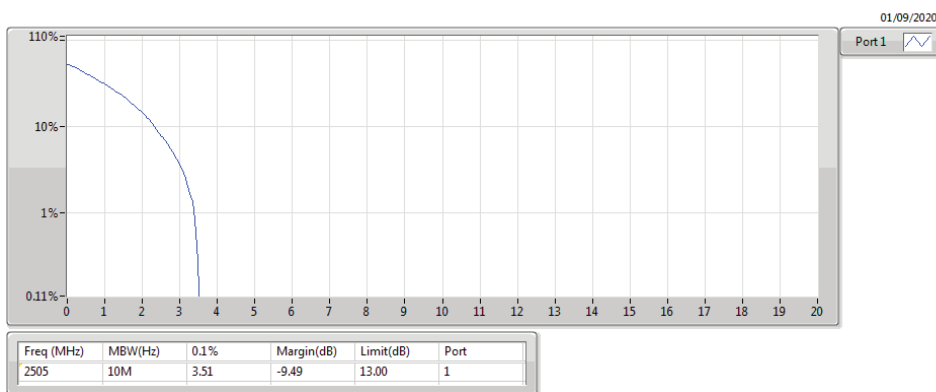
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PAR



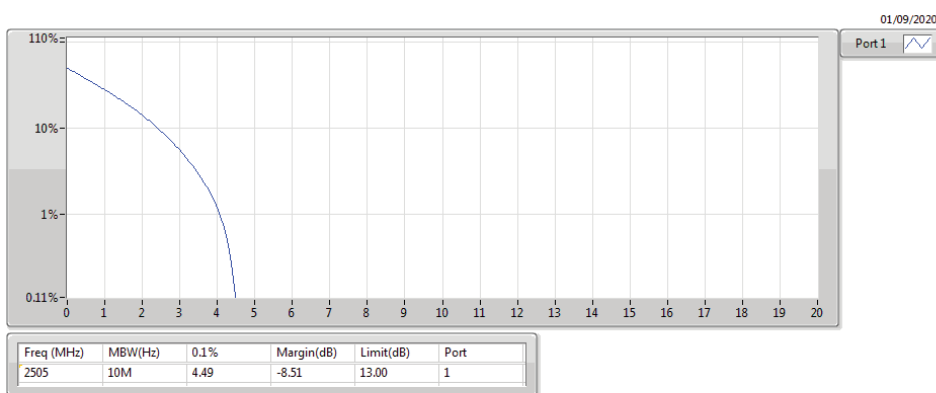
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PAR



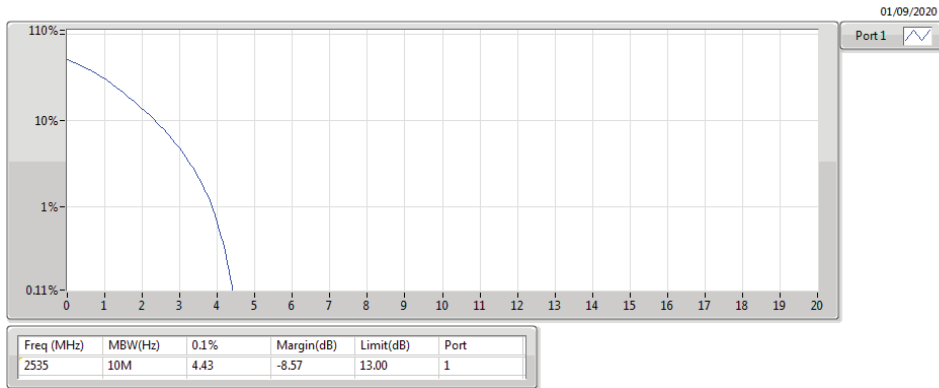
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PAR



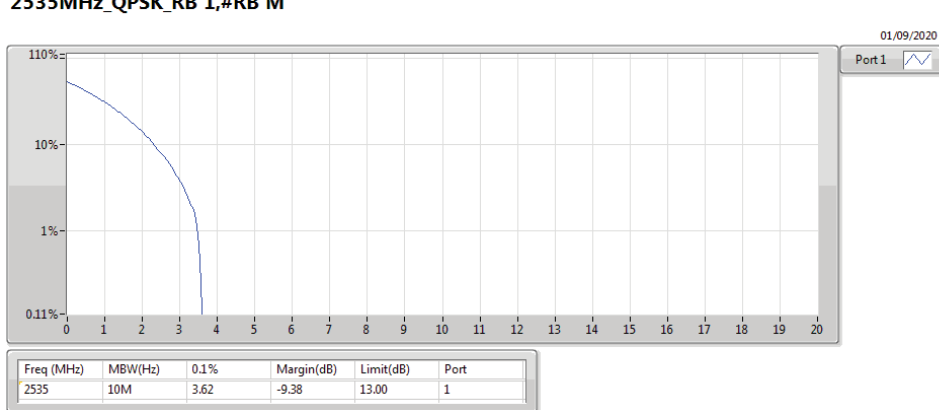
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PAR



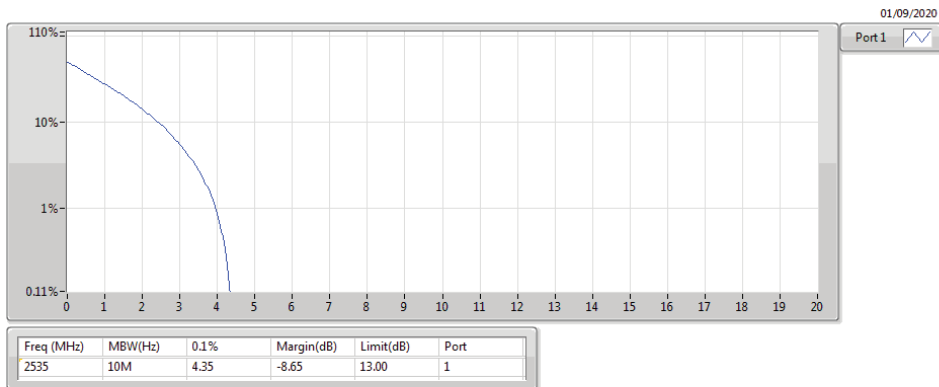
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PAR



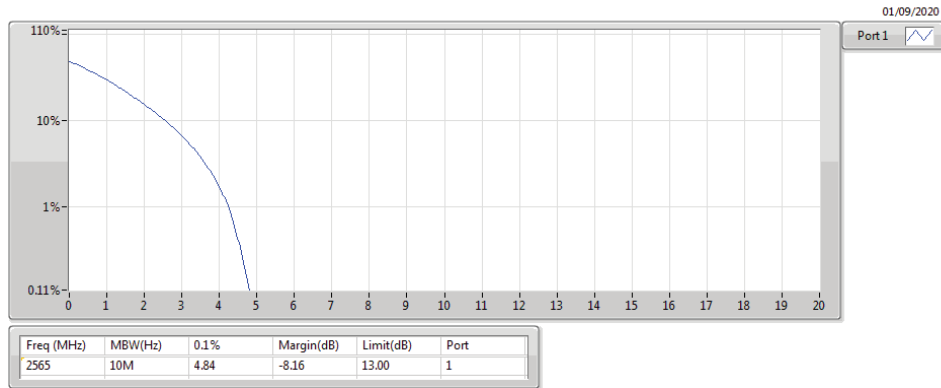
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PAR



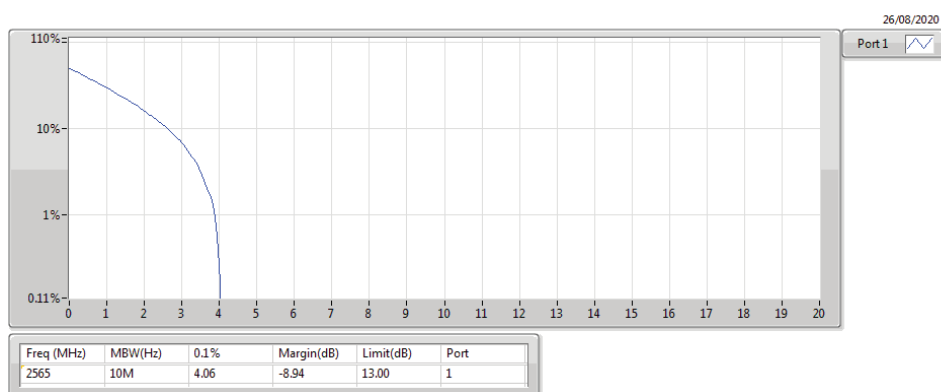
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2565MHz_QPSK_RB 50,#RB 0

PAR



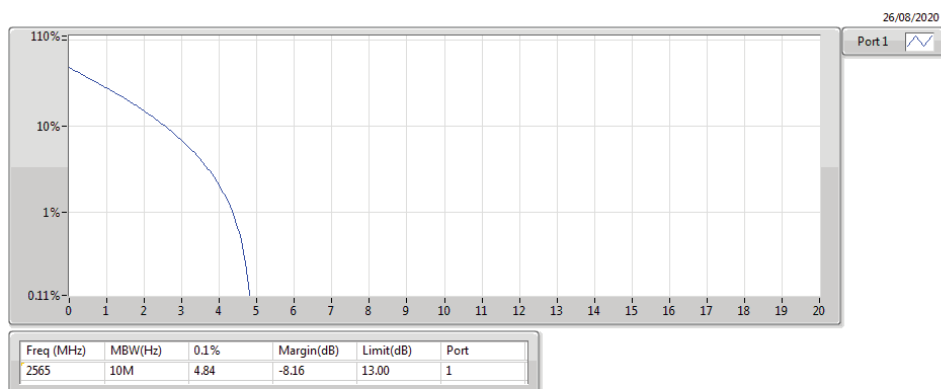
Band 7_LTE_10MHz_Nss1,QPSK_1TX
2565MHz_QPSK_RB 1,#RB M

PAR



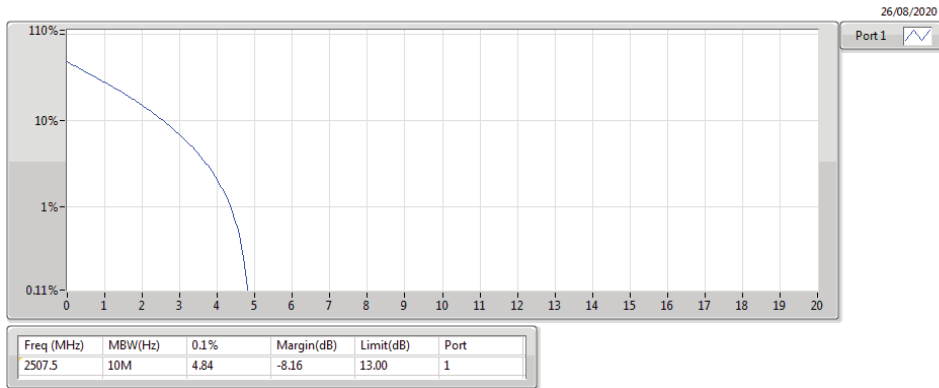
Band 7_LTE_10MHz_Nss1,QPSK_1TX
2565MHz_QPSK_RB 25,#RB M

PAR



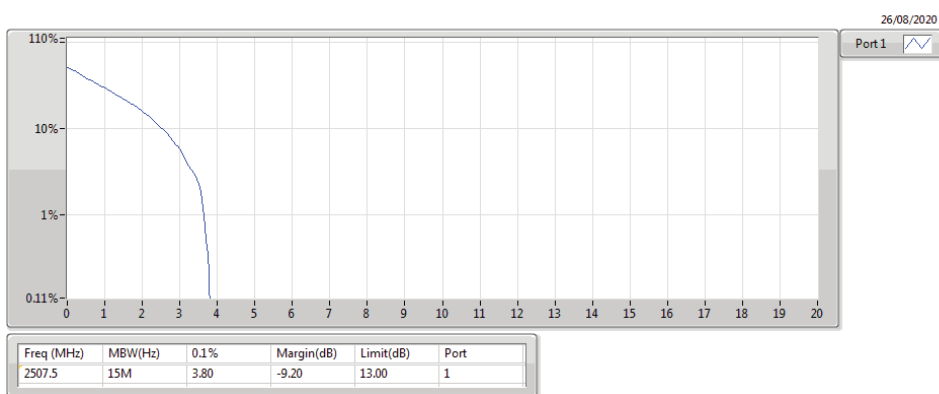
Band 7_LTE_15MHz_Nss1,QPSK_1TX
2507.5MHz_QPSK_RB 75,#RB 0

PAR



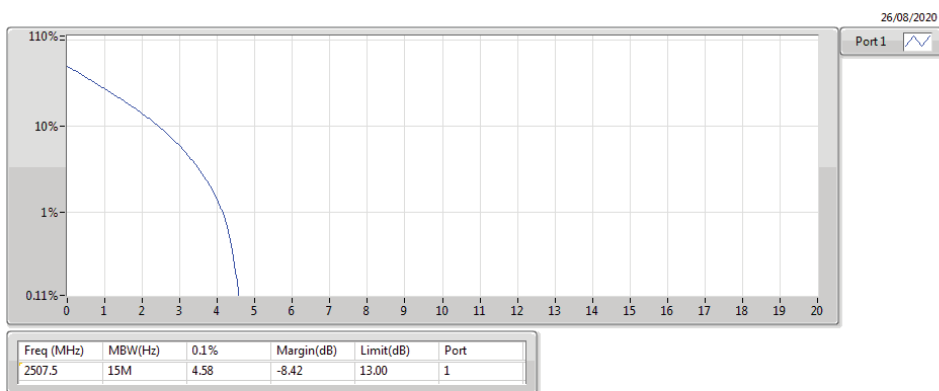
Band 7_LTE_15MHz_Nss1,QPSK_1TX
2507.5MHz_QPSK_RB 1,#RB M

PAR



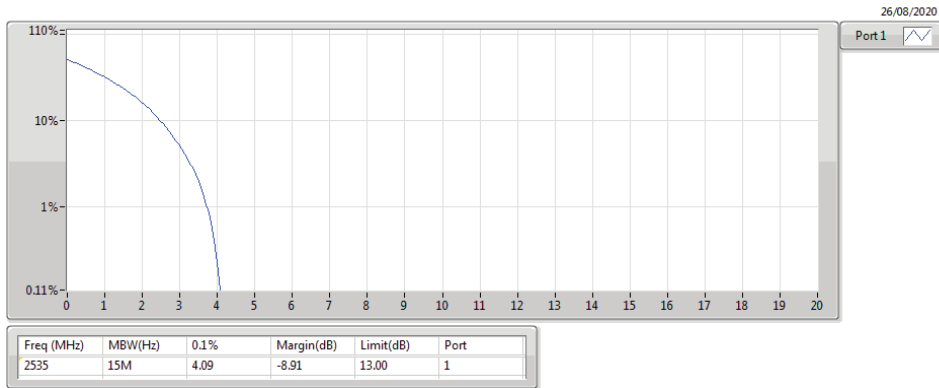
Band 7_LTE_15MHz_Nss1,QPSK_1TX
2507.5MHz_QPSK_RB 36,#RB M

PAR



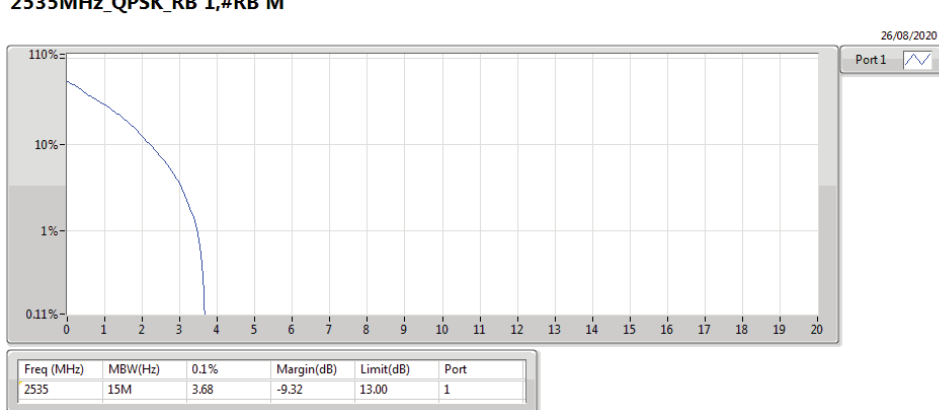
Band 7_LTE_15MHz_Nss1,QPSK_1TX
2535MHz_QPSK_RB 75,#RB 0

PAR



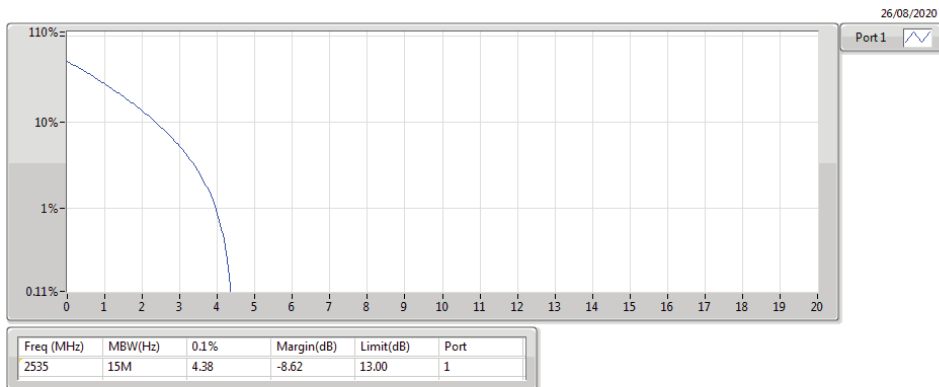
Band 7_LTE_15MHz_Nss1,QPSK_1TX
2535MHz_QPSK_RB 1,#RB M

PAR



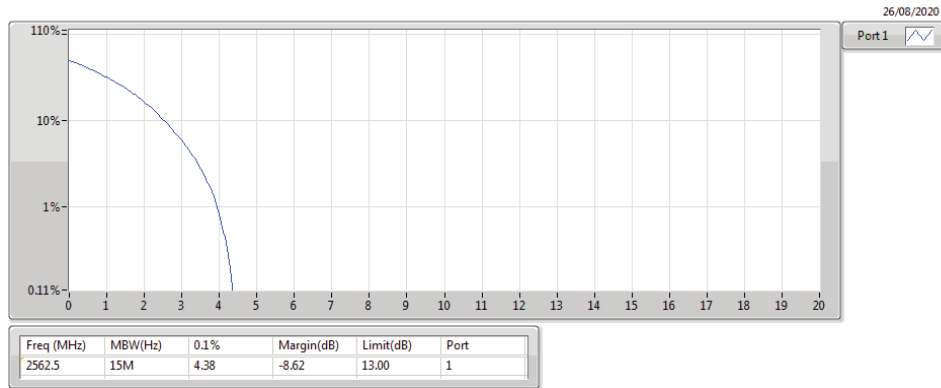
Band 7_LTE_15MHz_Nss1,QPSK_1TX
2535MHz_QPSK_RB 36,#RB M

PAR



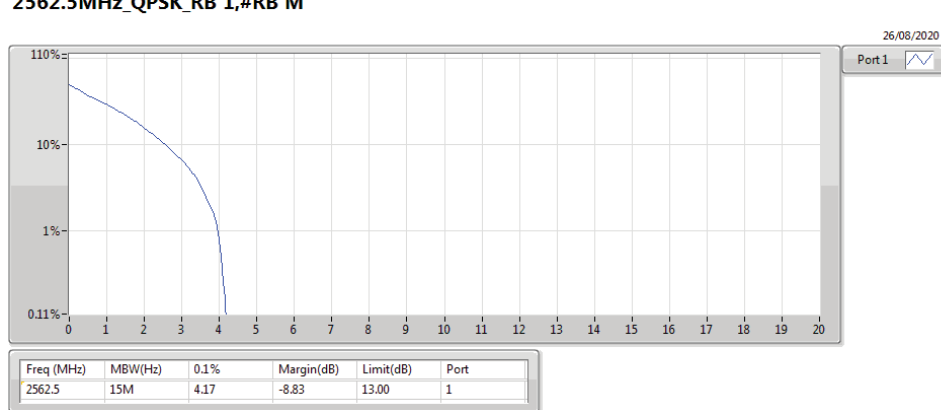
Band 7_LTE_15MHz_Nss1,QPSK_1TX
2562.5MHz_QPSK_RB 75,#RB 0

PAR



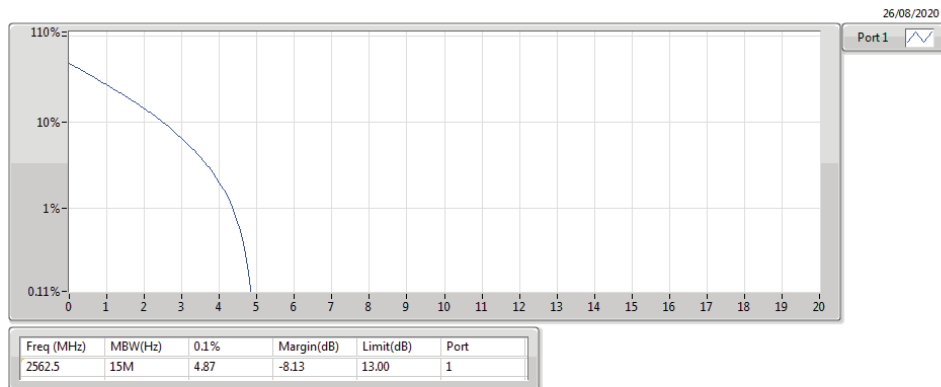
Band 7_LTE_15MHz_Nss1,QPSK_1TX
2562.5MHz_QPSK_RB 1,#RB M

PAR



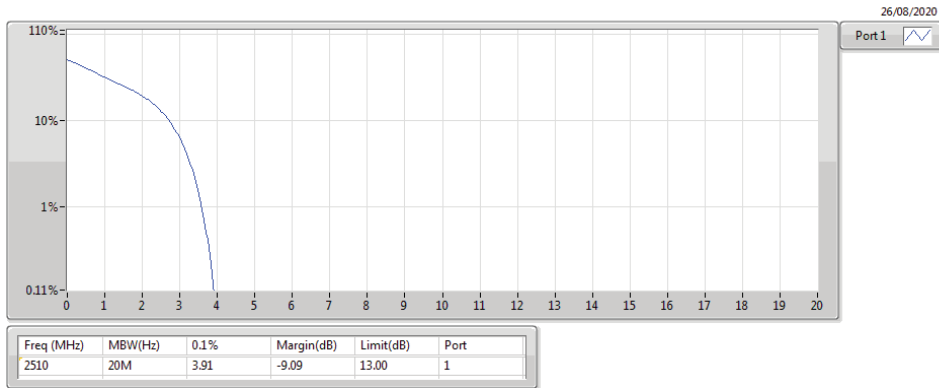
Band 7_LTE_15MHz_Nss1,QPSK_1TX
2562.5MHz_QPSK_RB 36,#RB M

PAR



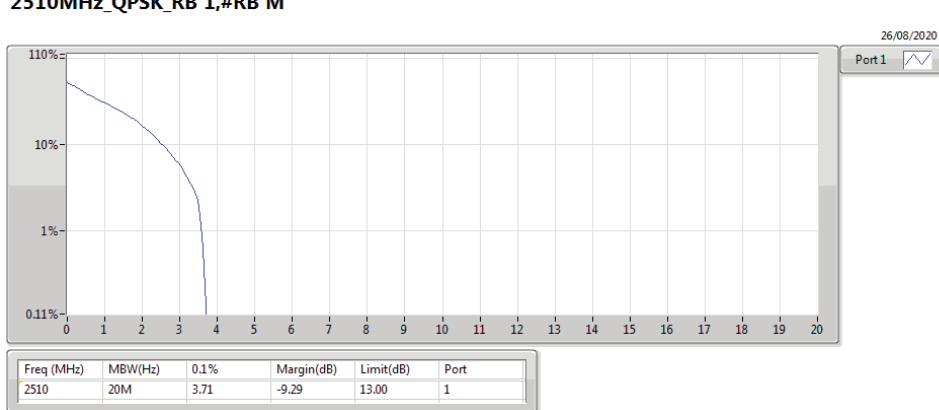
Band 7_LTE_20MHz_Nss1,QPSK_1TX
2510MHz_QPSK_RB 100,#RB 0

PAR



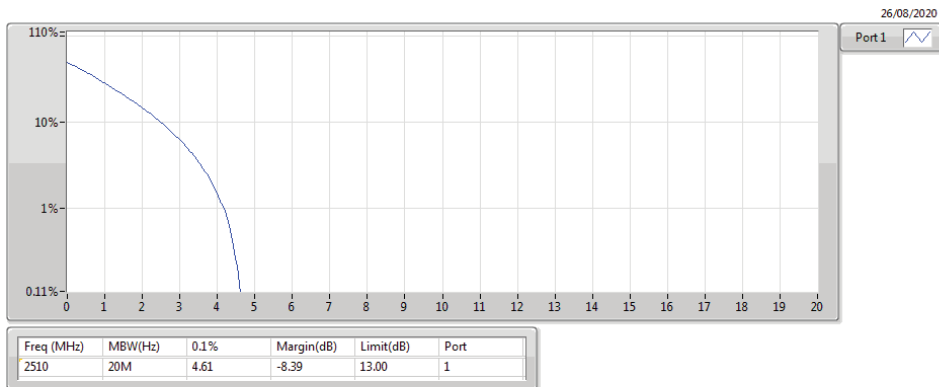
Band 7_LTE_20MHz_Nss1,QPSK_1TX
2510MHz_QPSK_RB 1,#RB M

PAR



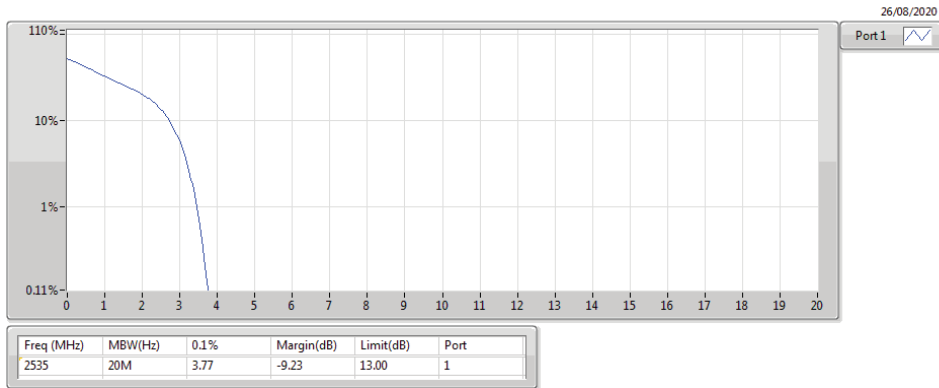
Band 7_LTE_20MHz_Nss1,QPSK_1TX
2510MHz_QPSK_RB 50,#RB M

PAR



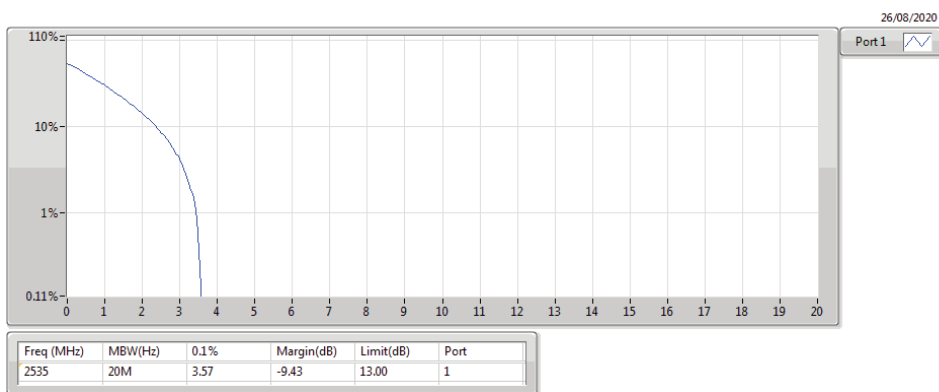
Band 7_LTE_20MHz_Nss1,QPSK_1TX
2535MHz_QPSK_RB 100,#RB 0

PAR



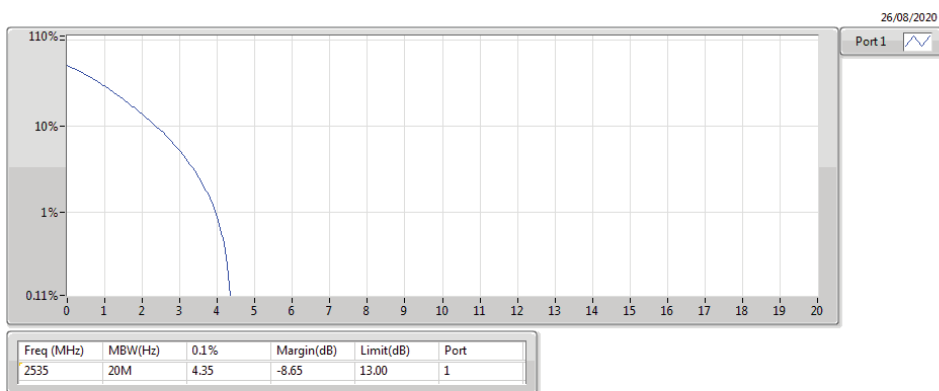
Band 7_LTE_20MHz_Nss1,QPSK_1TX
2535MHz_QPSK_RB 1,#RB M

PAR



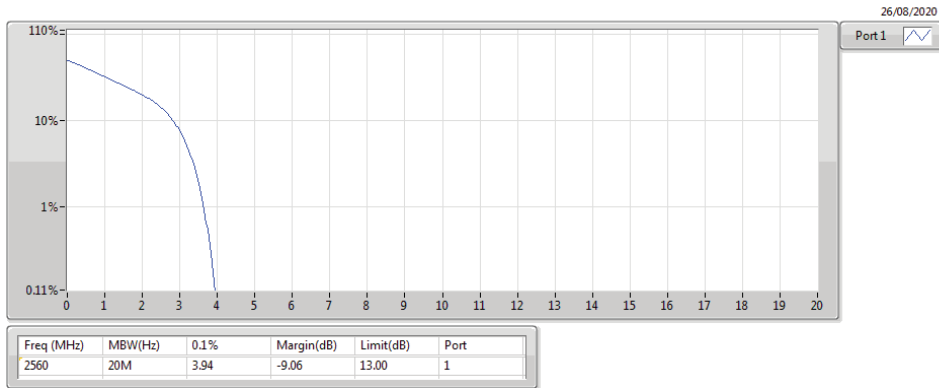
Band 7_LTE_20MHz_Nss1,QPSK_1TX
2535MHz_QPSK_RB 50,#RB M

PAR



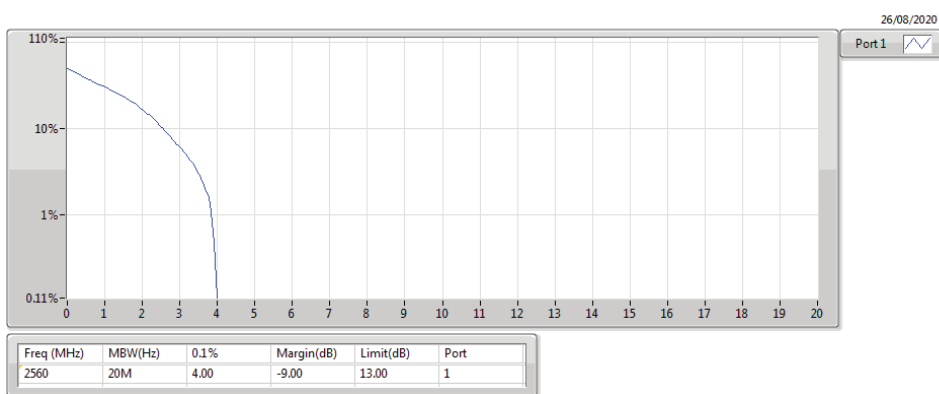
Band 7_LTE_20MHz_Nss1,QPSK_1TX
2560MHz_QPSK_RB 100,#RB 0

PAR



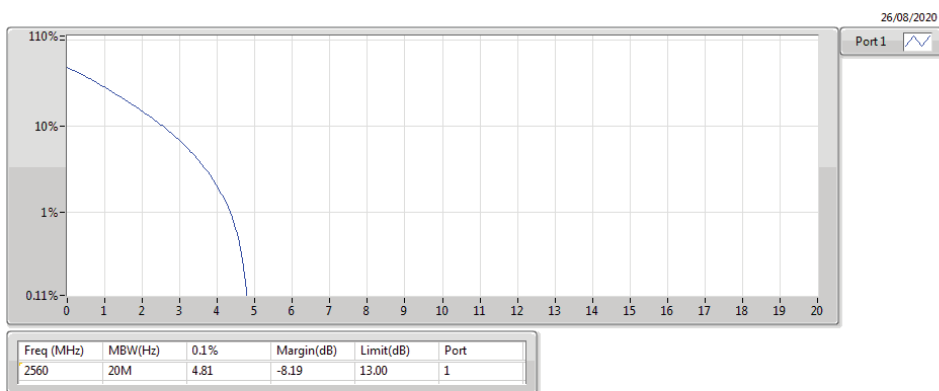
Band 7_LTE_20MHz_Nss1,QPSK_1TX
2560MHz_QPSK_RB 1,#RB M

PAR



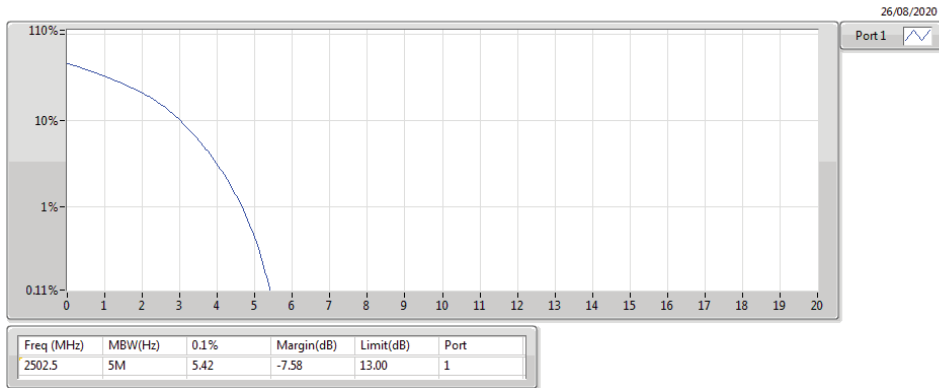
Band 7_LTE_20MHz_Nss1,QPSK_1TX
2560MHz_QPSK_RB 50,#RB M

PAR



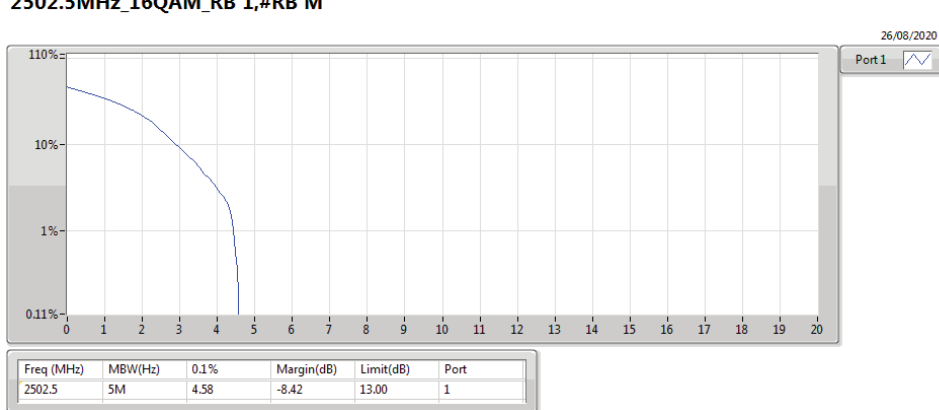
Band 7_LTE_5MHz_Nss1,16QAM_1TX
2502.5MHz_16QAM_RB 25,#RB 0

PAR



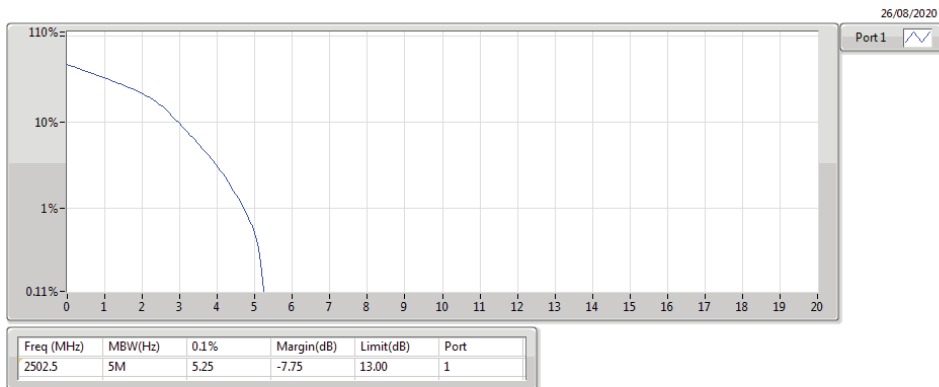
Band 7_LTE_5MHz_Nss1,16QAM_1TX
2502.5MHz_16QAM_RB 1,#RB M

PAR



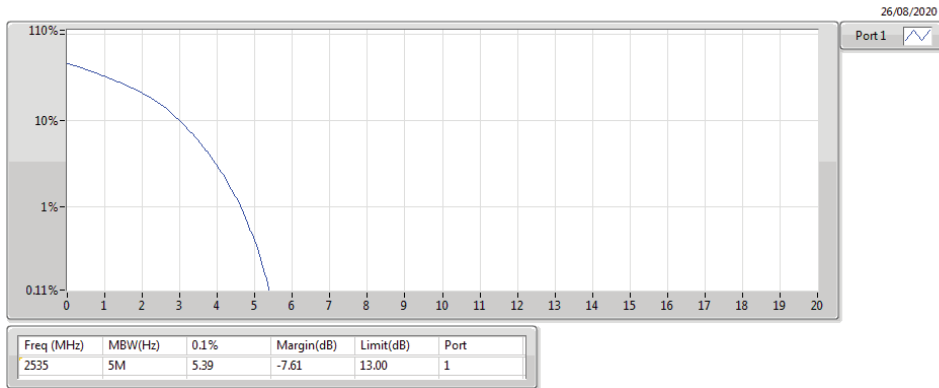
Band 7_LTE_5MHz_Nss1,16QAM_1TX
2502.5MHz_16QAM_RB 12,#RB M

PAR



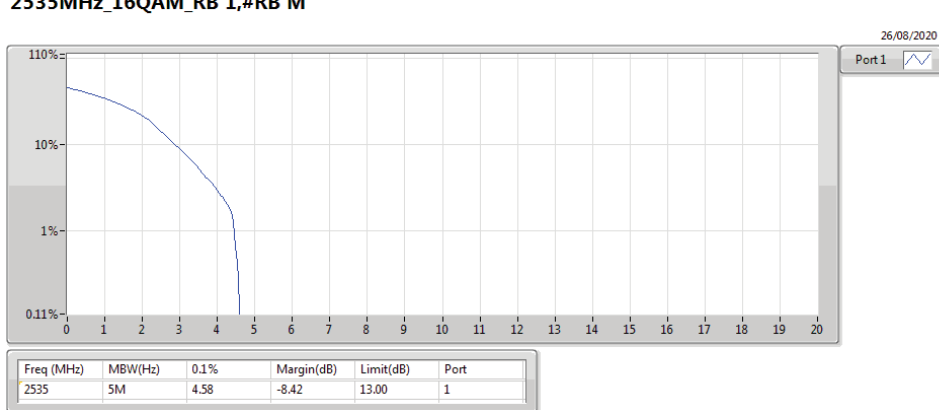
Band 7_LTE_5MHz_Nss1,16QAM_1TX
2535MHz_16QAM_RB 25,#RB 0

PAR



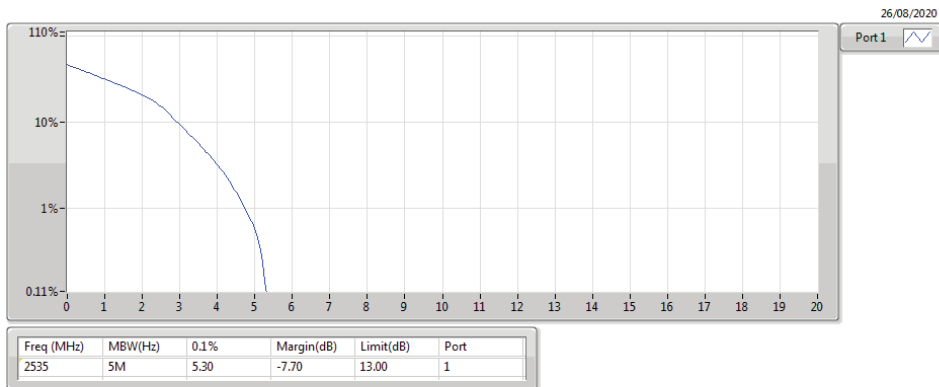
Band 7_LTE_5MHz_Nss1,16QAM_1TX
2535MHz_16QAM_RB 1,#RB M

PAR



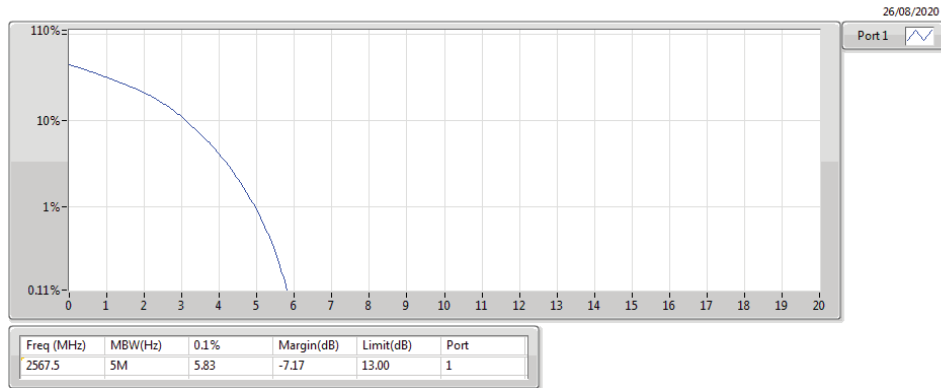
Band 7_LTE_5MHz_Nss1,16QAM_1TX
2535MHz_16QAM_RB 12,#RB M

PAR



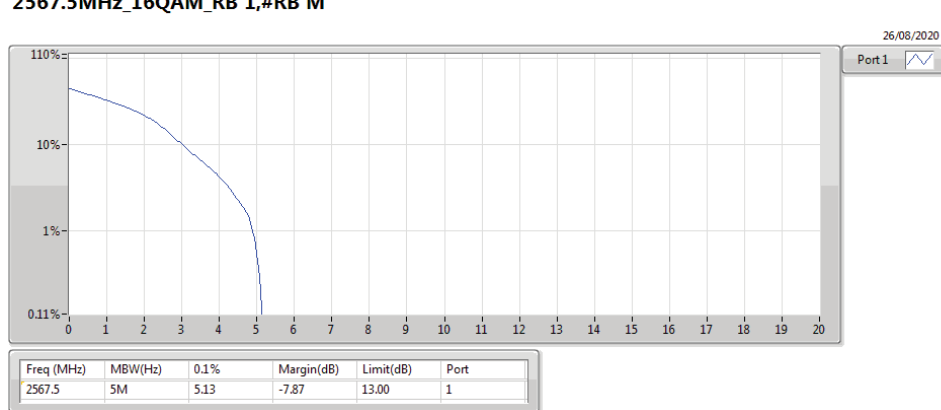
Band 7_LTE_5MHz_Nss1,16QAM_1TX
2567.5MHz_16QAM_RB 25,#RB 0

PAR



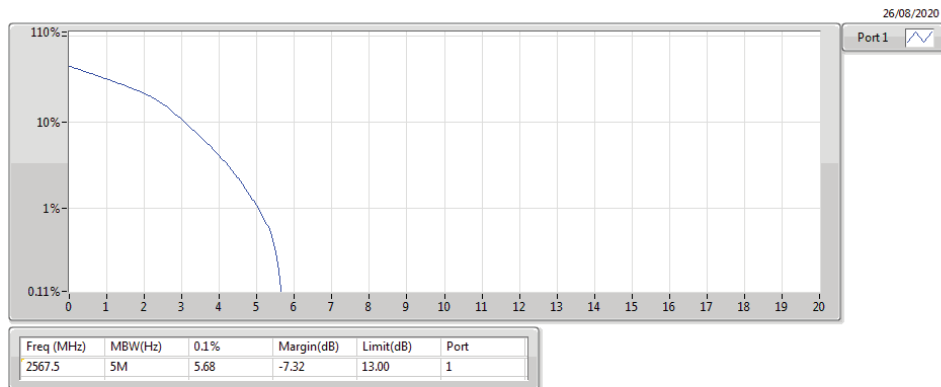
Band 7_LTE_5MHz_Nss1,16QAM_1TX
2567.5MHz_16QAM_RB 1,#RB M

PAR



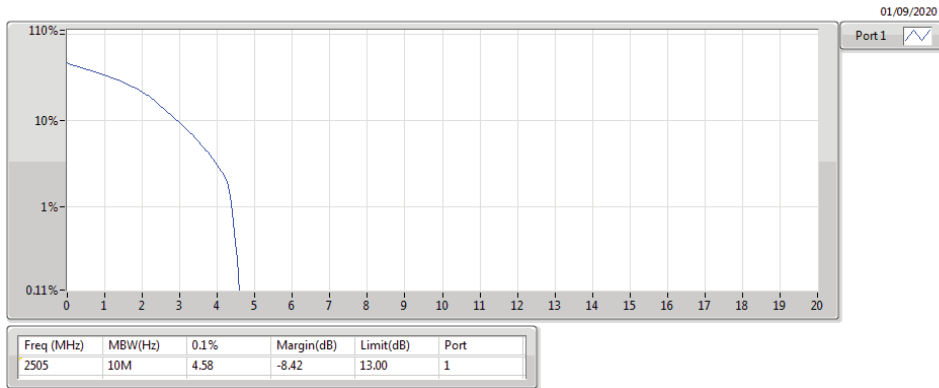
Band 7_LTE_5MHz_Nss1,16QAM_1TX
2567.5MHz_16QAM_RB 12,#RB M

PAR



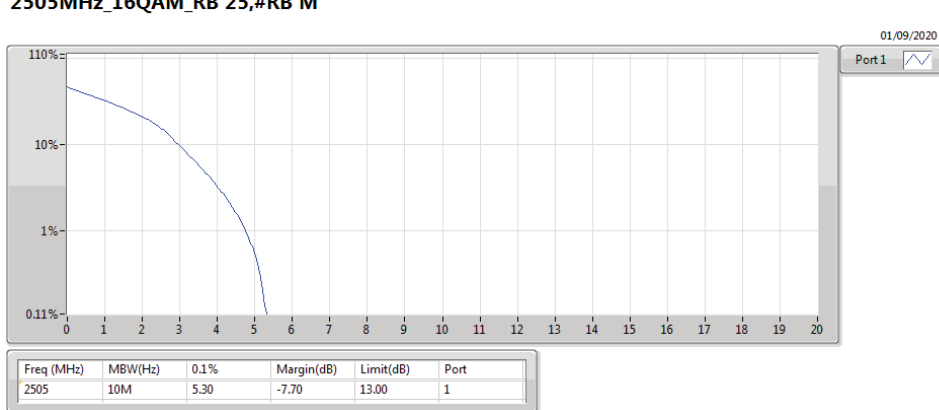
Band 7_LTE_10MHz_Nss1,16QAM_1TX
2505MHz_16QAM_RB 1,#RB M

PAR



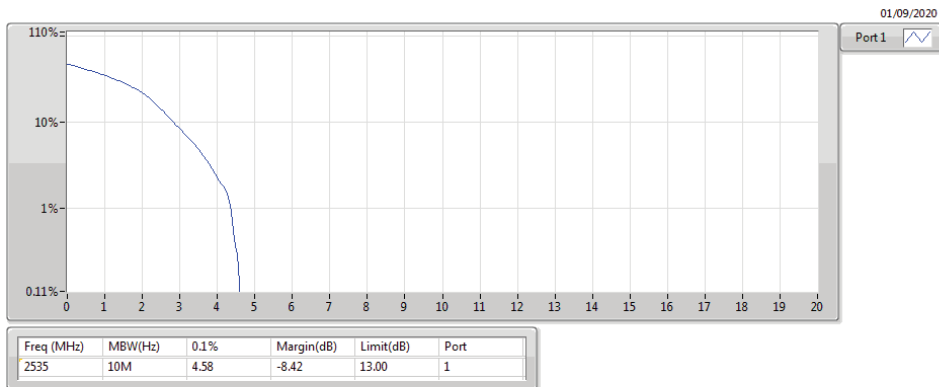
Band 7_LTE_10MHz_Nss1,16QAM_1TX
2505MHz_16QAM_RB 25,#RB M

PAR



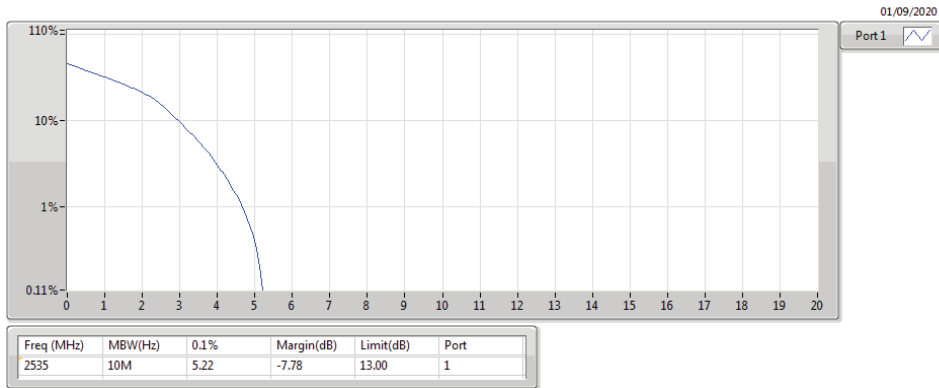
Band 7_LTE_10MHz_Nss1,16QAM_1TX
2535MHz_16QAM_RB 1,#RB M

PAR



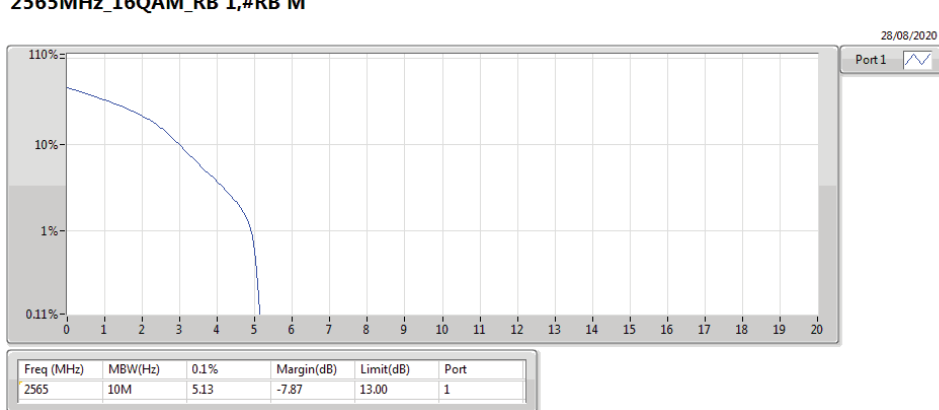
Band 7_LTE_10MHz_Nss1,16QAM_1TX
2535MHz_16QAM_RB 25,#RB M

PAR



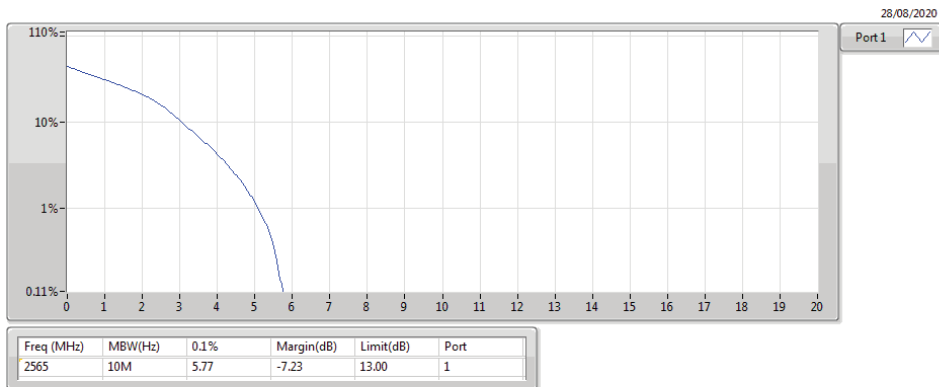
Band 7_LTE_10MHz_Nss1,16QAM_1TX
2565MHz_16QAM_RB 1,#RB M

PAR



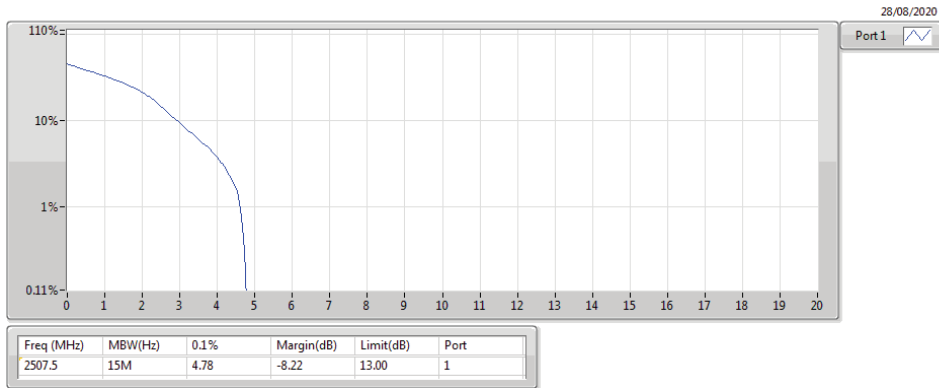
Band 7_LTE_10MHz_Nss1,16QAM_1TX
2565MHz_16QAM_RB 25,#RB M

PAR



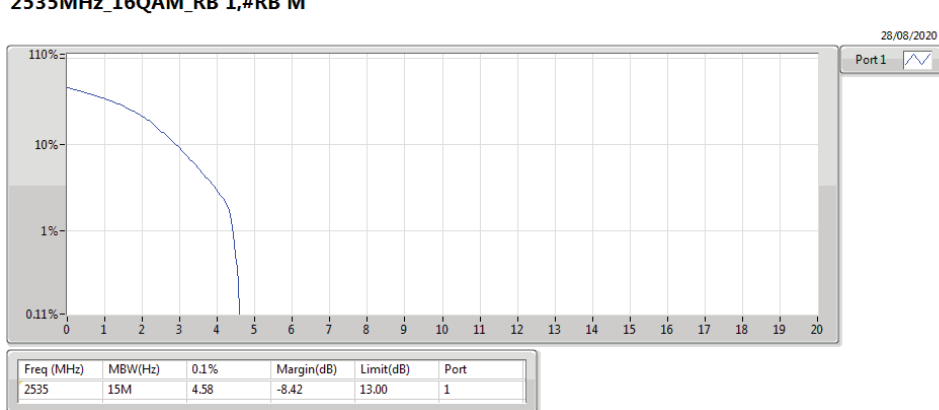
Band 7_LTE_15MHz_Nss1,16QAM_1TX
2507.5MHz_16QAM_RB 1,#RB M

PAR



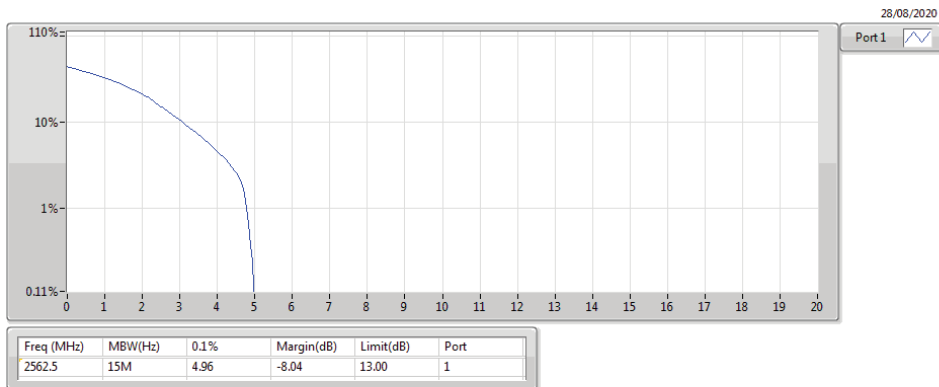
Band 7_LTE_15MHz_Nss1,16QAM_1TX
2535MHz_16QAM_RB 1,#RB M

PAR



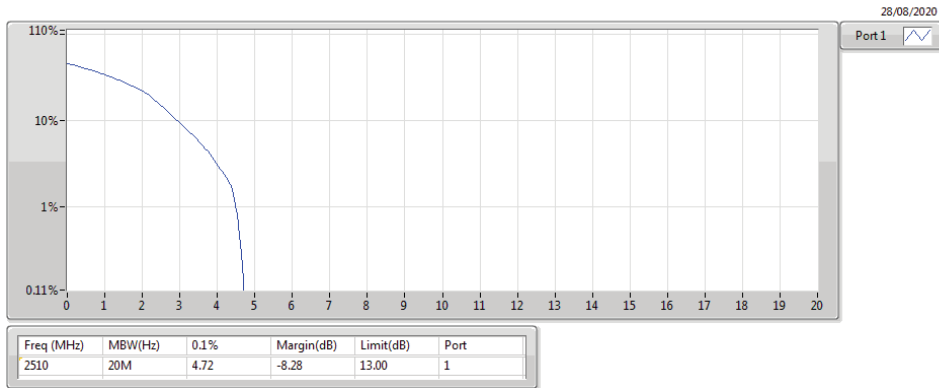
Band 7_LTE_15MHz_Nss1,16QAM_1TX
2562.5MHz_16QAM_RB 1,#RB M

PAR



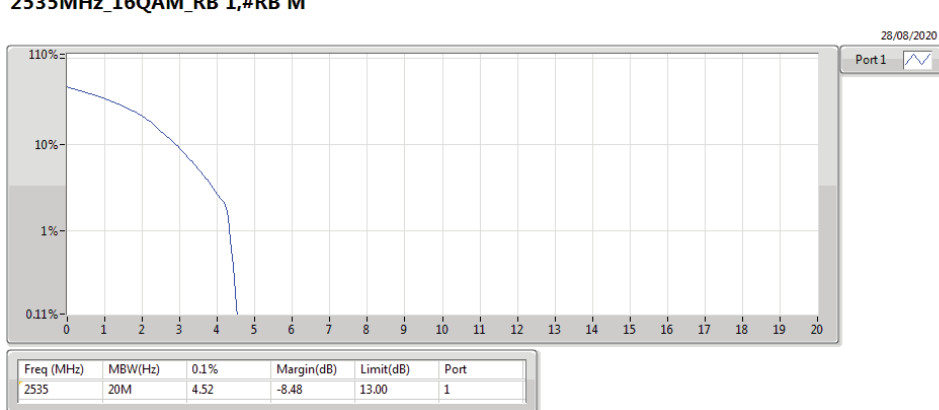
Band 7_LTE_20MHz_Nss1,16QAM_1TX
2510MHz_16QAM_RB 1,#RB M

PAR



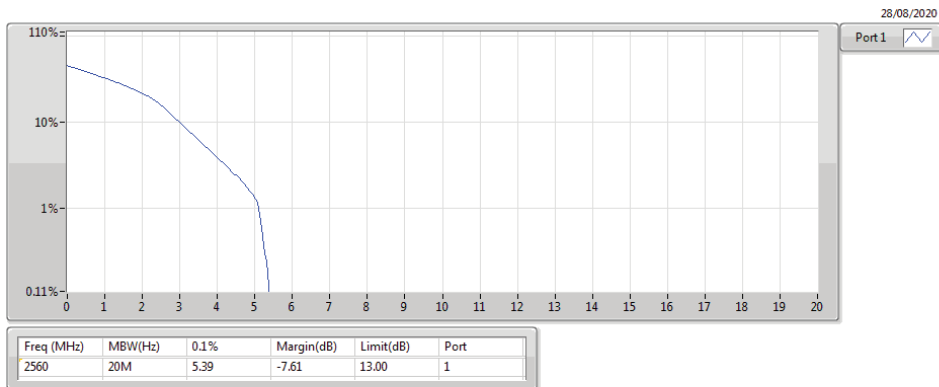
Band 7_LTE_20MHz_Nss1,16QAM_1TX
2535MHz_16QAM_RB 1,#RB M

PAR



Band 7_LTE_20MHz_Nss1,16QAM_1TX
2560MHz_16QAM_RB 1,#RB M

PAR



Summary

Mode	Max-OBW (Hz)	Max-	ITU-Code	Min-OBW (Hz)	Min-
850	-	-	-	-	-
GPRS_200kHz_Nss1_1TX	244.878k	Inf	245KGXW	241.129k	Inf
EGPRS_200kHz_Nss1_1TX	244.878k	Inf	245KG7W	238.381k	Inf
1900	-	-	-	-	-
GPRS_200kHz_Nss1_1TX	248.876k	Inf	245KGXW	232.884k	Inf
EGPRS_200kHz_Nss1_1TX	251.124k	Inf	251KG7W	235.132k	Inf

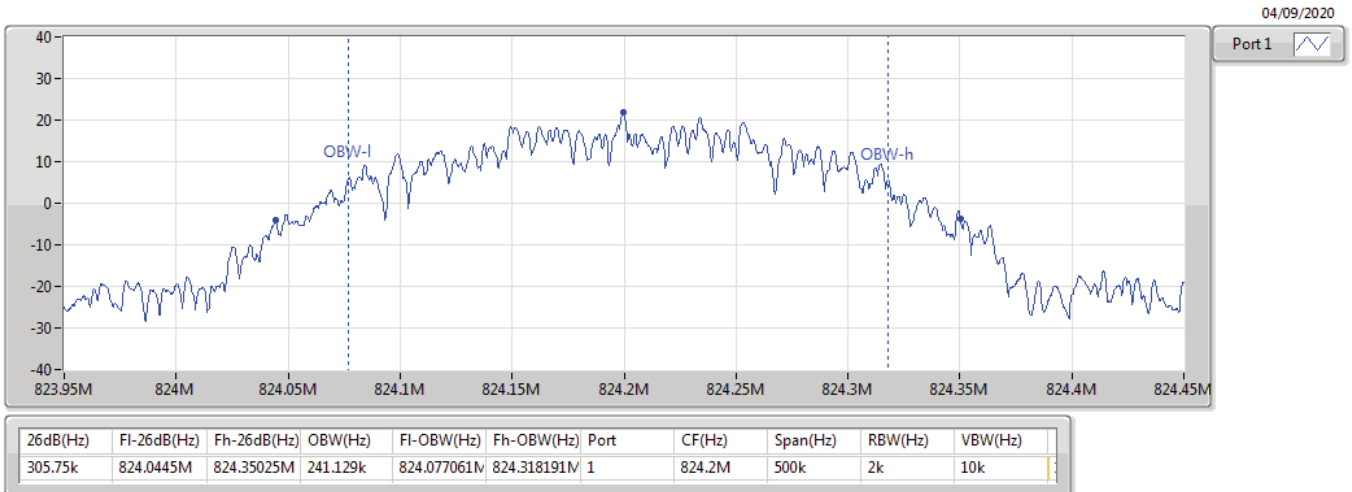
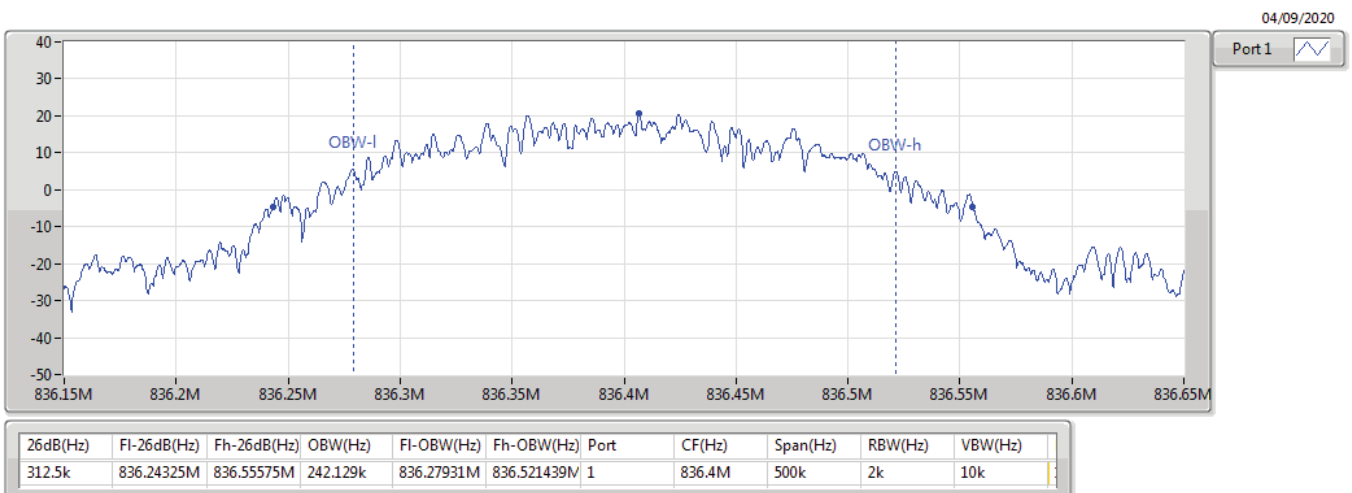
Max-N dB = Maximum 26dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

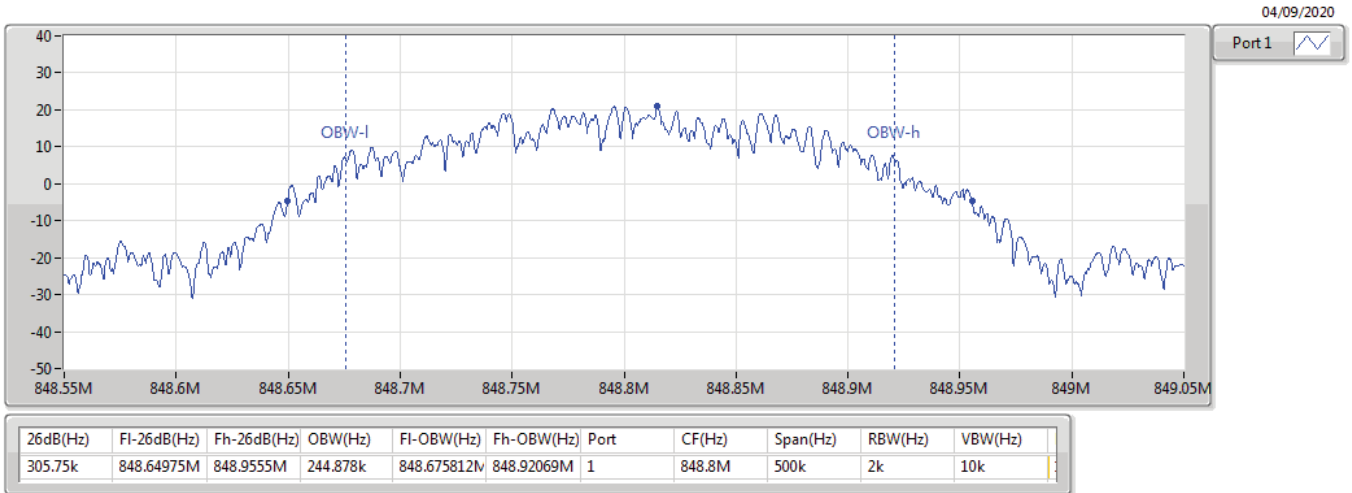
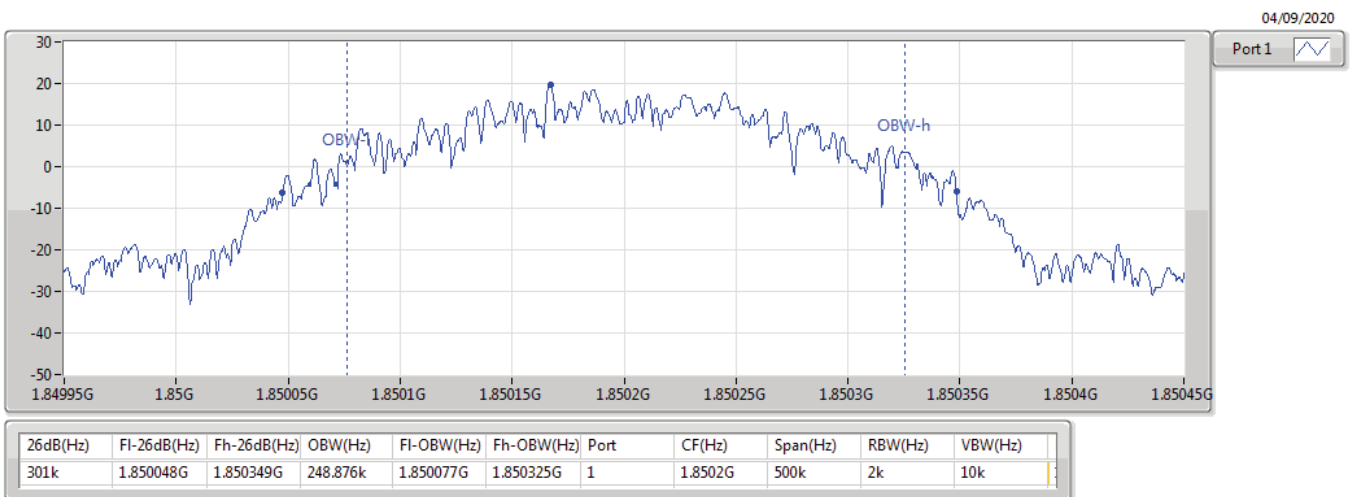
Min-N dB = Minimum 26dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

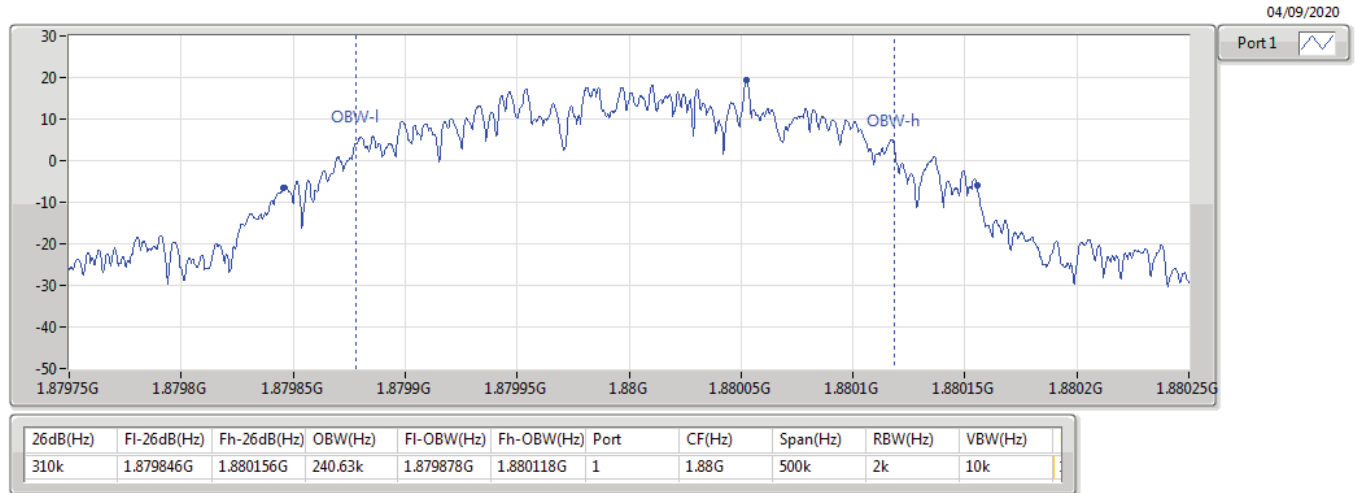
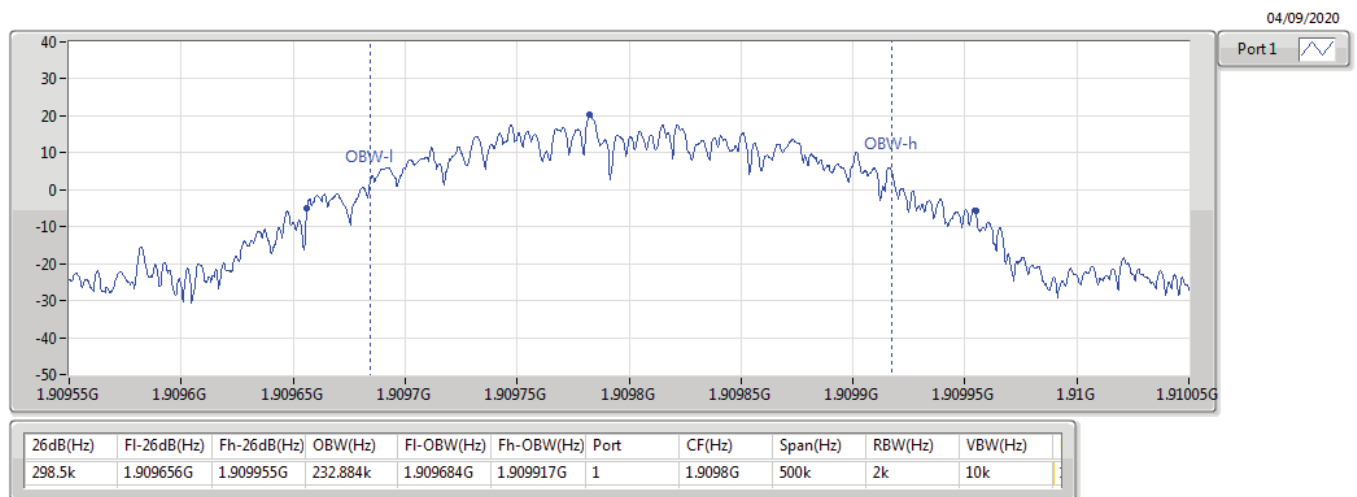
Result

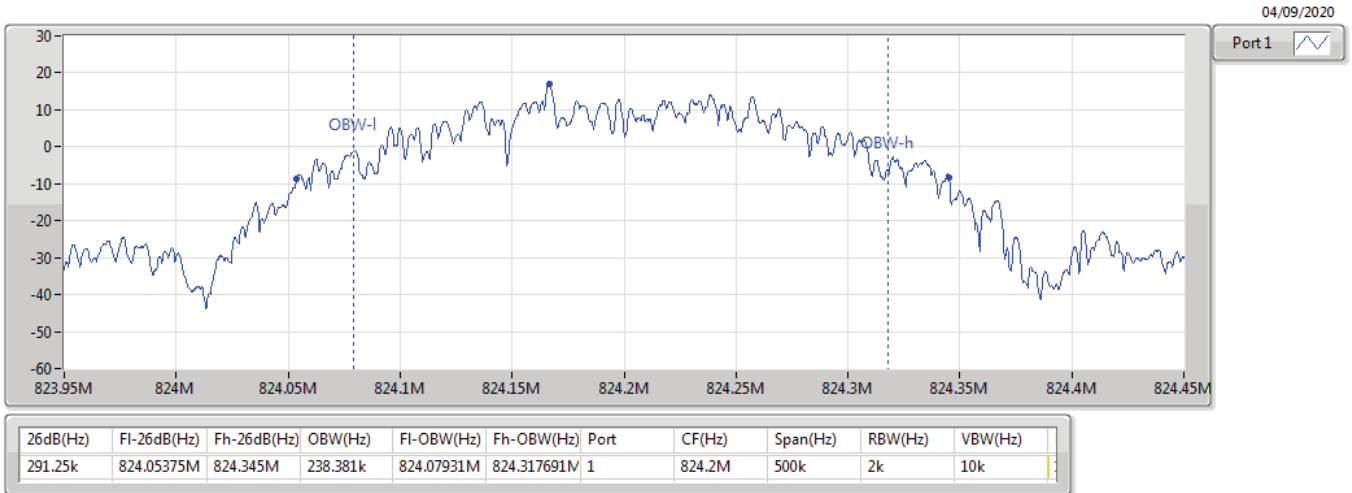
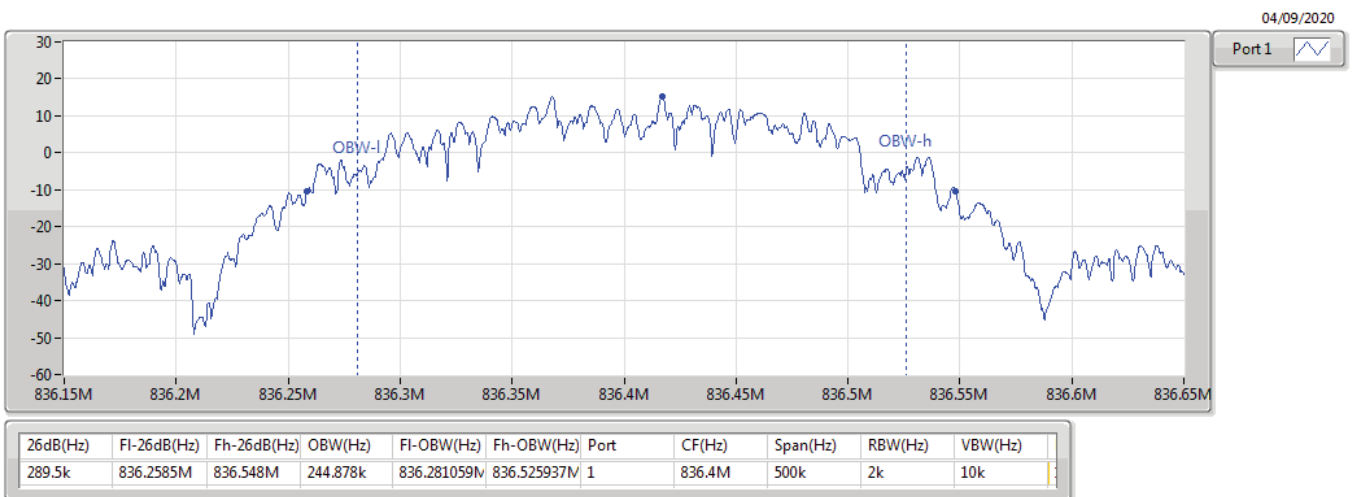
Mode	Result	Port 1-NdB (Hz)	Port 1-OBW (Hz)	Limit (Hz)
850_GPRS_200kHz_Nss1_1TX	-	-	-	-
824.2MHz	Pass	305.75k	241.129k	Inf
836.4MHz	Pass	312.5k	242.129k	Inf
848.8MHz	Pass	305.75k	244.878k	Inf
1900_GPRS_200kHz_Nss1_1TX	-	-	-	-
1850.2MHz	Pass	301k	248.876k	Inf
1880MHz	Pass	310k	240.63k	Inf
1909.8MHz	Pass	298.5k	232.884k	Inf
850_EGPRS_200kHz_Nss1_1TX	-	-	-	-
824.2MHz	Pass	291.25k	238.381k	Inf
836.4MHz	Pass	289.5k	244.878k	Inf
848.8MHz	Pass	293.75k	243.628k	Inf
1900_EGPRS_200kHz_Nss1_1TX	-	-	-	-
1850.2MHz	Pass	300.75k	235.132k	Inf
1880MHz	Pass	291k	251.124k	Inf
1909.8MHz	Pass	289.75k	243.378k	Inf

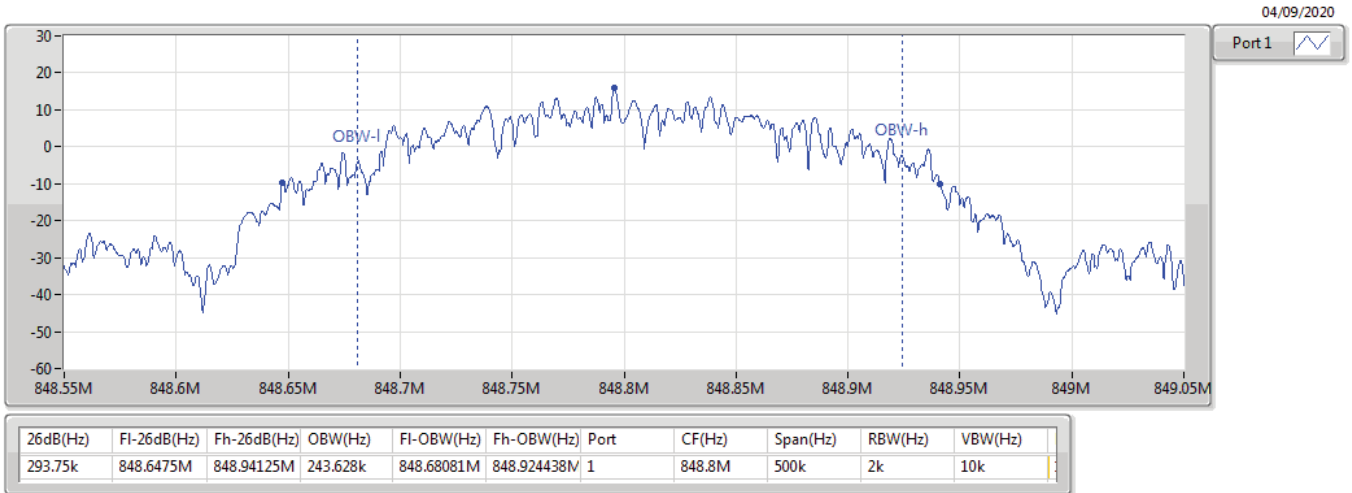
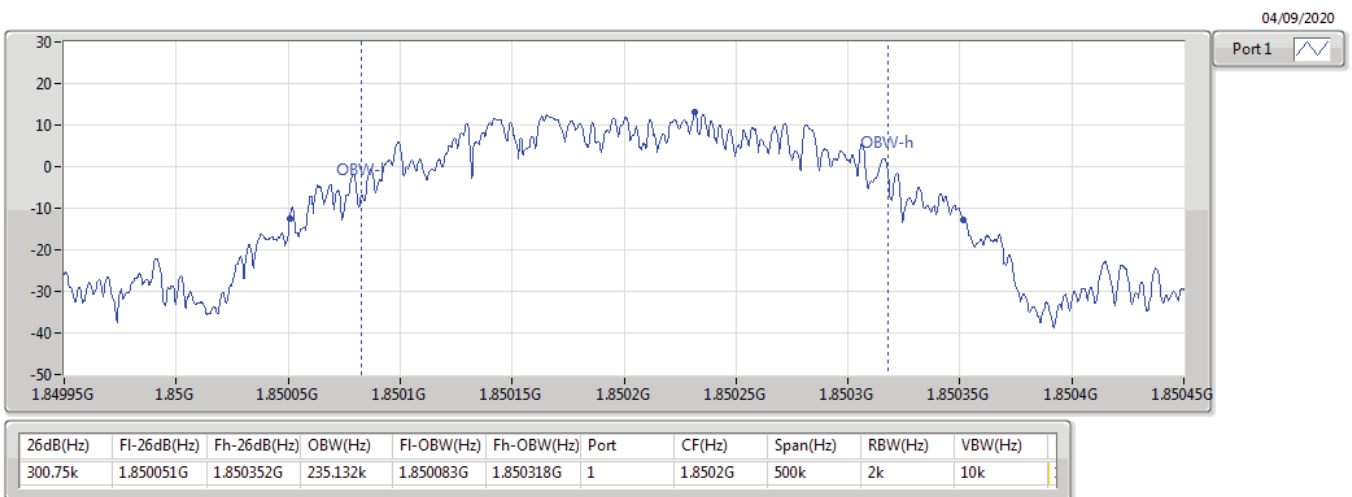
Port X-N dB = Port X 26dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

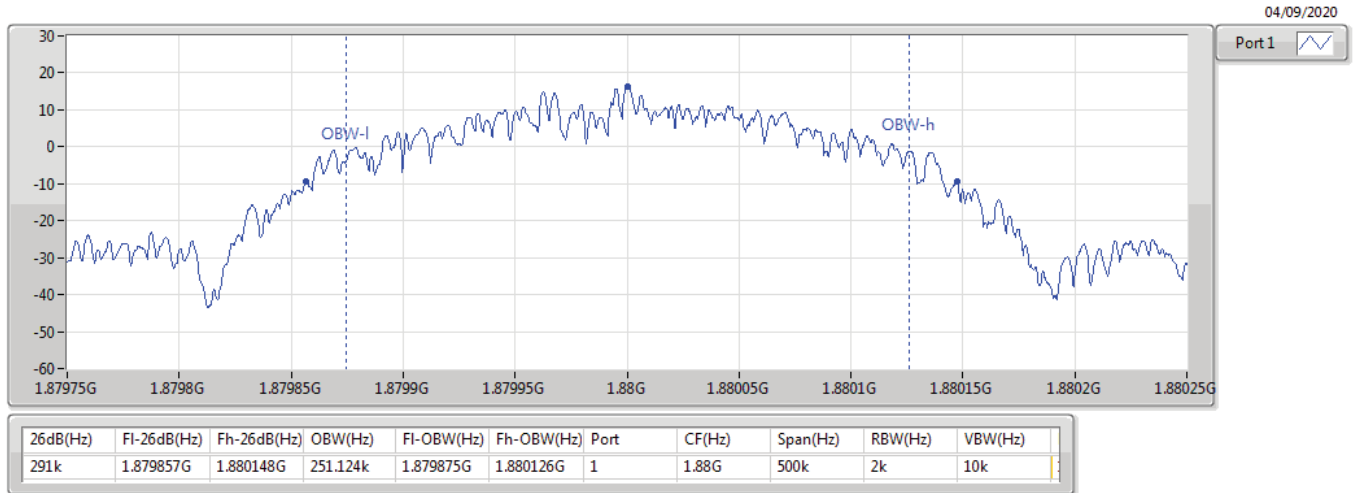
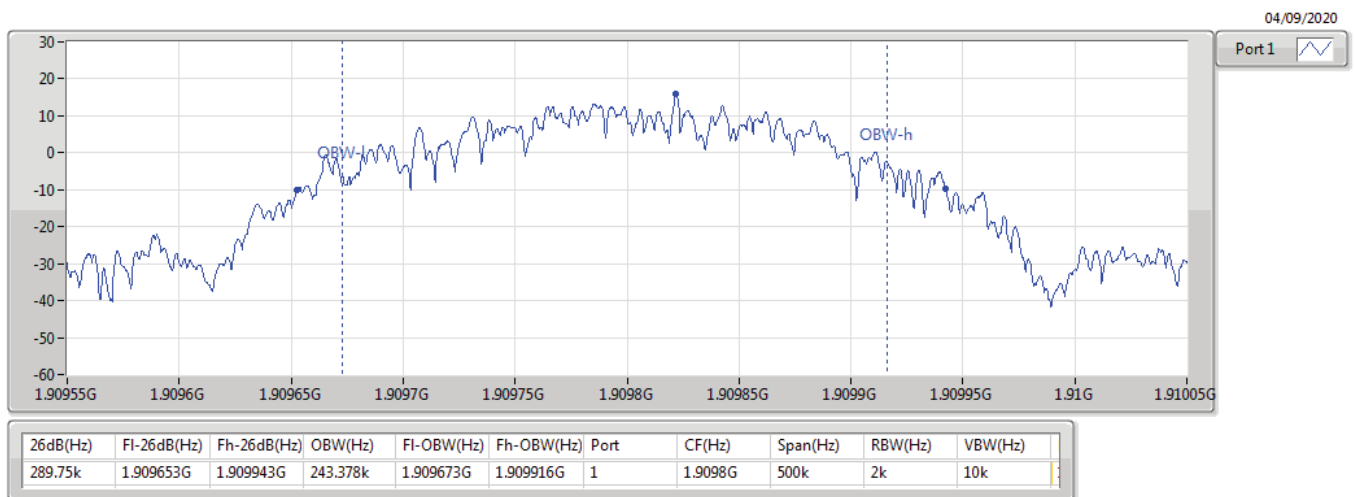
850_GPRS_200kHz_Nss1_1TX
EBW
824.2MHz

850_GPRS_200kHz_Nss1_1TX
EBW
836.4MHz


850_GPRS_200kHz_Nss1_1TX
EBW
848.8MHz

1900_GPRS_200kHz_Nss1_1TX
EBW
1850.2MHz


1900_GPRS_200kHz_Nss1_1TX
EBW
1880MHz

1900_GPRS_200kHz_Nss1_1TX
EBW
1909.8MHz


850_EGPRS_200kHz_Nss1_1TX
EBW
824.2MHz

850_EGPRS_200kHz_Nss1_1TX
EBW
836.4MHz


850_EGPRS_200kHz_Nss1_1TX
EBW
848.8MHz

1900_EGPRS_200kHz_Nss1_1TX
EBW
1850.2MHz


1900_EGPRS_200kHz_Nss1_1TX
EBW
1880MHz

1900_EGPRS_200kHz_Nss1_1TX
EBW
1909.8MHz


**Summary**

Mode	Max-OBW (Hz)	Max-	ITU-Code	Min-OBW (Hz)	Min-
Band 2	-	-	-	-	-
WCDMA_5MHz_Nss1_1TX	4.135M	Inf	4M1F9W	4.098M	Inf

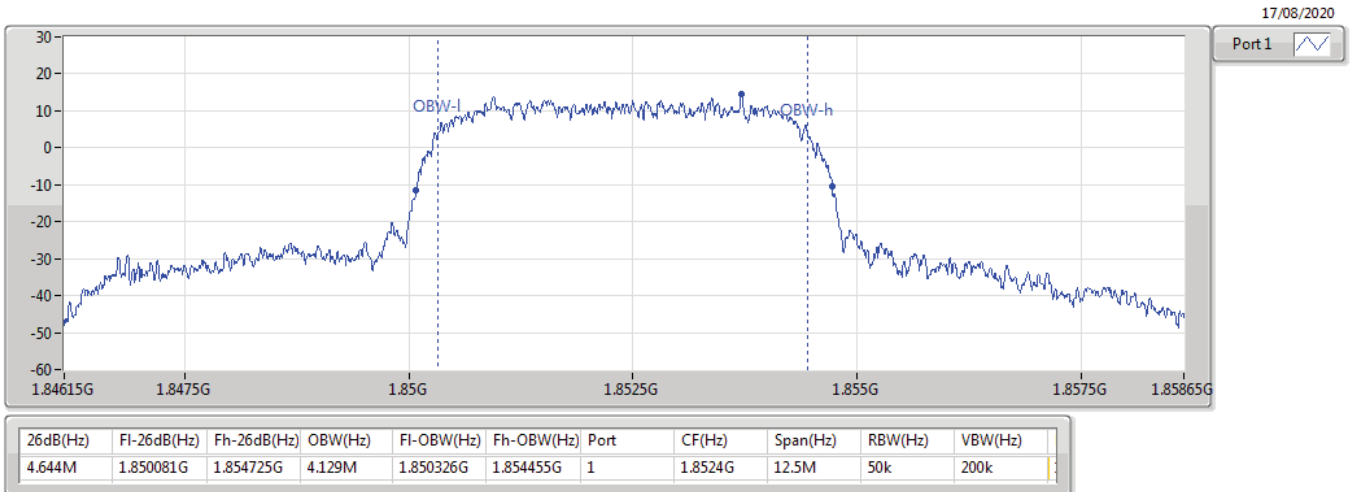
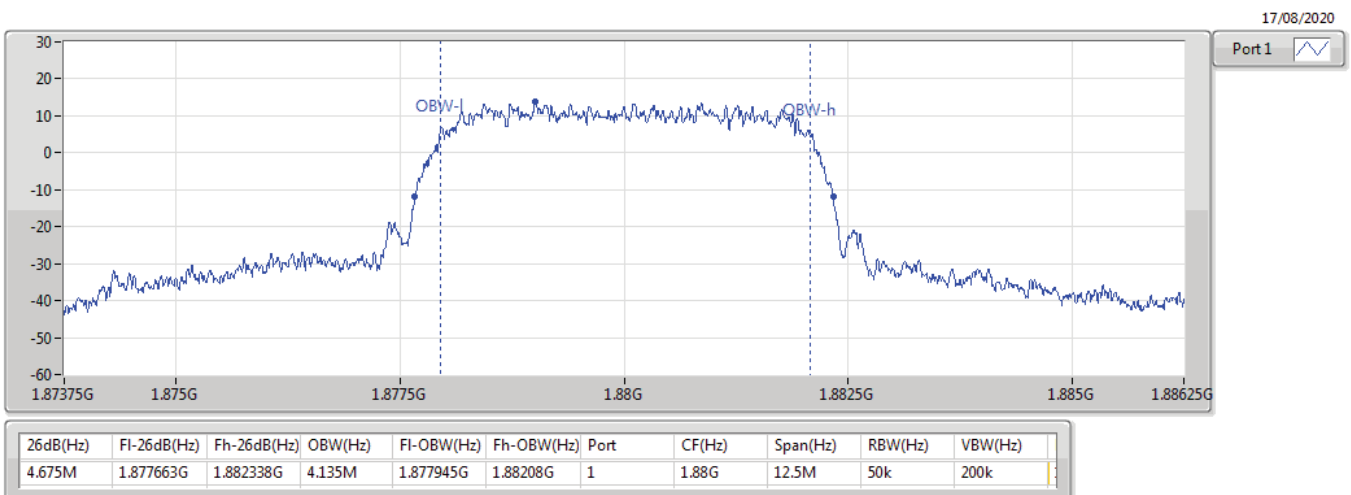
Max-N dB = Maximum 26dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 26dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

**Result**

Mode	Result	Port 1-NdB (Hz)	Port 1-OBW (Hz)	Limit (Hz)
Band 2_WCDMA_5MHz_Nss1_1TX	-	-	-	-
1852.4MHz	Pass	4.644M	4.129M	Inf
1880MHz	Pass	4.675M	4.135M	Inf
1907.6MHz	Pass	4.656M	4.098M	Inf

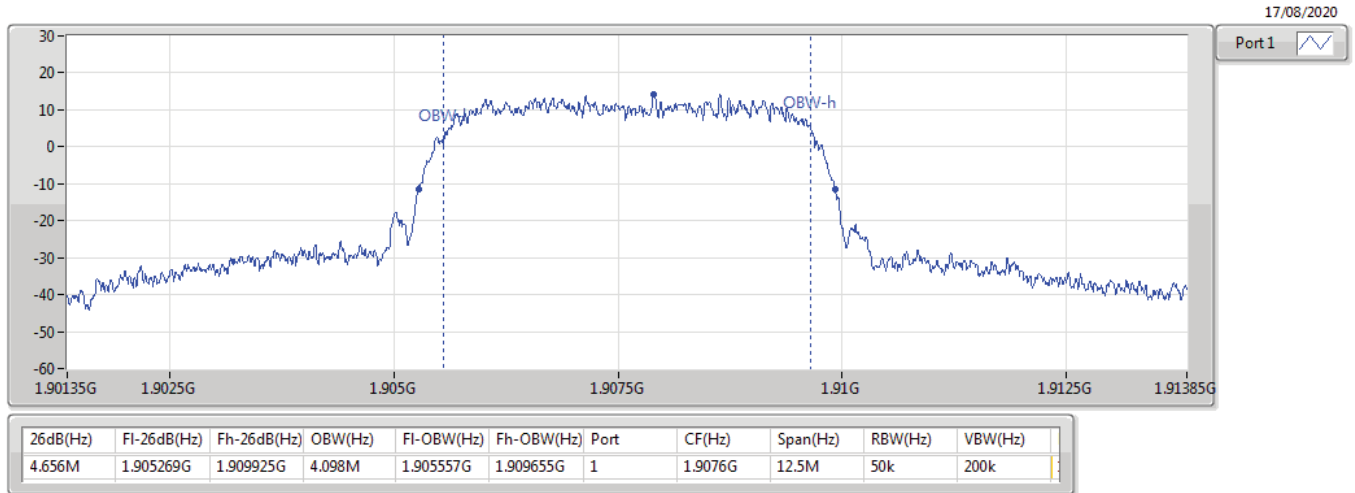
Port X-N dB = Port X 26dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

Band 2_WCDMA_5MHz_Nss1_1TX
EBW
1852.4MHz

Band 2_WCDMA_5MHz_Nss1_1TX
EBW
1880MHz


Band 2_WCDMA_5MHz_Nss1_1TX

EBW

1907.6MHz



Summary

Mode	Max-OBW (Hz)	Max-	ITU-Code	Min-OBW (Hz)	Min-
Band 2	-	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	1.083M	Inf	1M1G7D	1.076M	Inf
LTE_3MHz_Nss1,QPSK_1TX	2.695M	Inf	2M7G7D	2.676M	Inf
LTE_5MHz_Nss1,QPSK_1TX	4.485M	Inf	4M5G7D	4.473M	Inf
LTE_10MHz_Nss1,QPSK_1TX	8.921M	Inf	8M9G7D	8.908M	Inf
LTE_15MHz_Nss1,QPSK_1TX	13.381M	Inf	13M4G7D	13.362M	Inf
LTE_20MHz_Nss1,QPSK_1TX	17.816M	Inf	17M8G7D	17.766M	Inf
LTE_1.4MHz_Nss1,16QAM_1TX	1.088M	Inf	1M1W7D	1.083M	Inf
LTE_3MHz_Nss1,16QAM_1TX	2.687M	Inf	2M7W7D	2.68M	Inf
LTE_5MHz_Nss1,16QAM_1TX	4.479M	Inf	4M5W7D	4.448M	Inf
Band 4	-	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	1.081M	Inf	1M1G7D	1.079M	Inf
LTE_3MHz_Nss1,QPSK_1TX	2.68M	Inf	2M7G7D	2.665M	Inf
LTE_5MHz_Nss1,QPSK_1TX	4.473M	Inf	4M5G7D	4.454M	Inf
LTE_10MHz_Nss1,QPSK_1TX	8.908M	Inf	8M9G7D	8.896M	Inf
LTE_15MHz_Nss1,QPSK_1TX	13.4M	Inf	13M4G7D	13.343M	Inf
LTE_20MHz_Nss1,QPSK_1TX	17.841M	Inf	17M8G7D	17.791M	Inf
LTE_1.4MHz_Nss1,16QAM_1TX	1.084M	Inf	1M1W7D	1.079M	Inf
LTE_3MHz_Nss1,16QAM_1TX	2.68M	Inf	2M7W7D	2.676M	Inf
LTE_5MHz_Nss1,16QAM_1TX	4.473M	Inf	4M5W7D	4.46M	Inf
Band 7	-	-	-	-	-
LTE_5MHz_Nss1,QPSK_1TX	4.473M	Inf	4M5G7D	4.46M	Inf
LTE_10MHz_Nss1,QPSK_1TX	8.921M	Inf	8M9G7D	8.896M	Inf
LTE_15MHz_Nss1,QPSK_1TX	13.381M	Inf	13M4G7D	13.343M	Inf
LTE_20MHz_Nss1,QPSK_1TX	17.841M	Inf	17M8W7D	17.741M	Inf
LTE_5MHz_Nss1,16QAM_1TX	4.485M	Inf	4M5W7D	4.448M	Inf

Max-N dB = Maximum 26dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

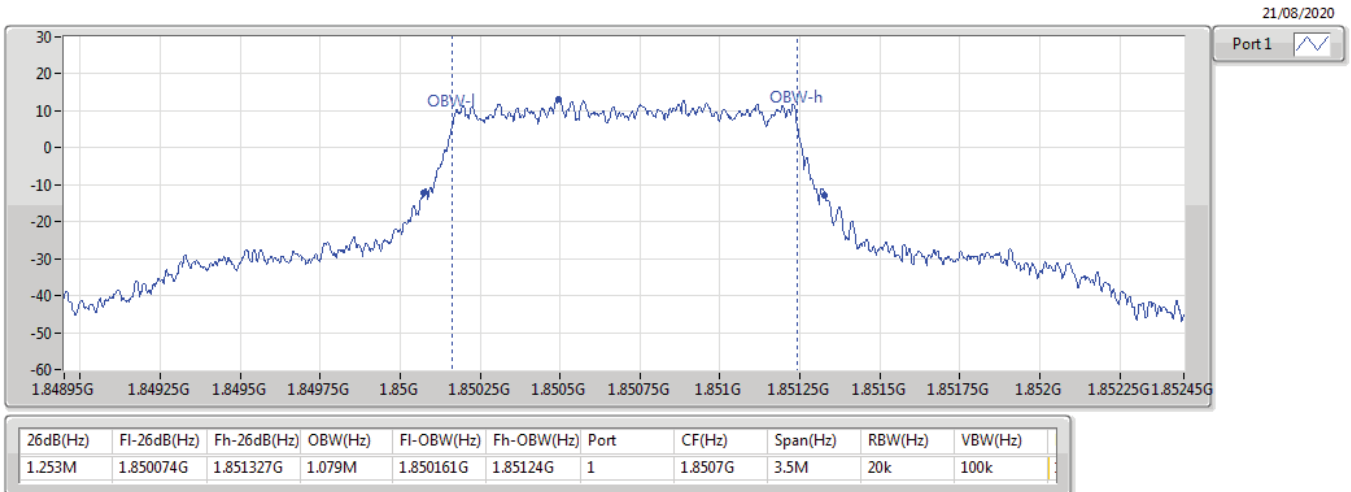
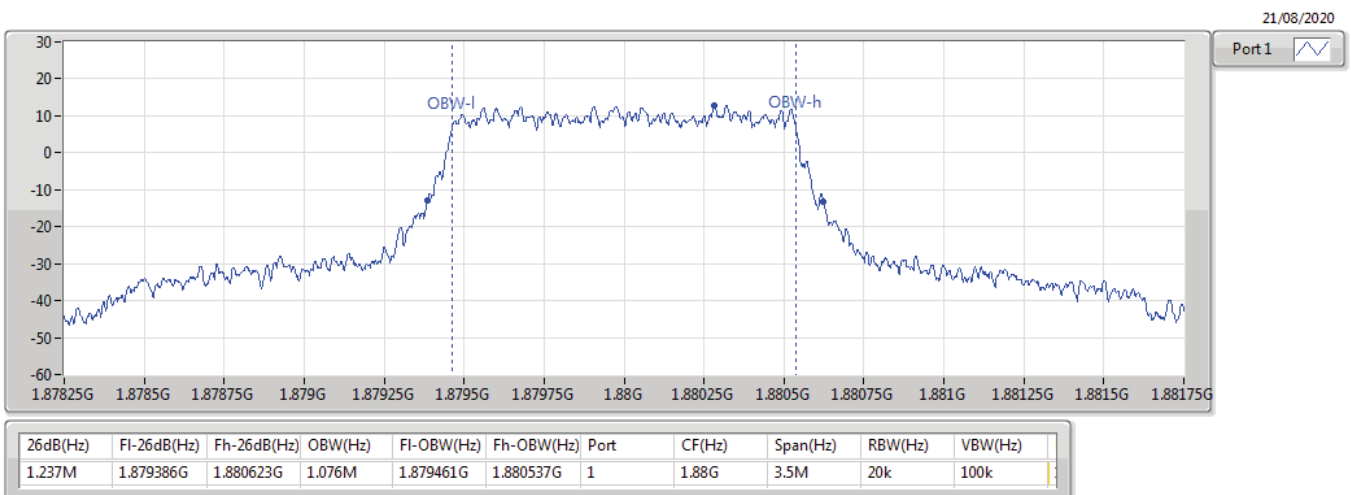
Min-N dB = Minimum 26dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

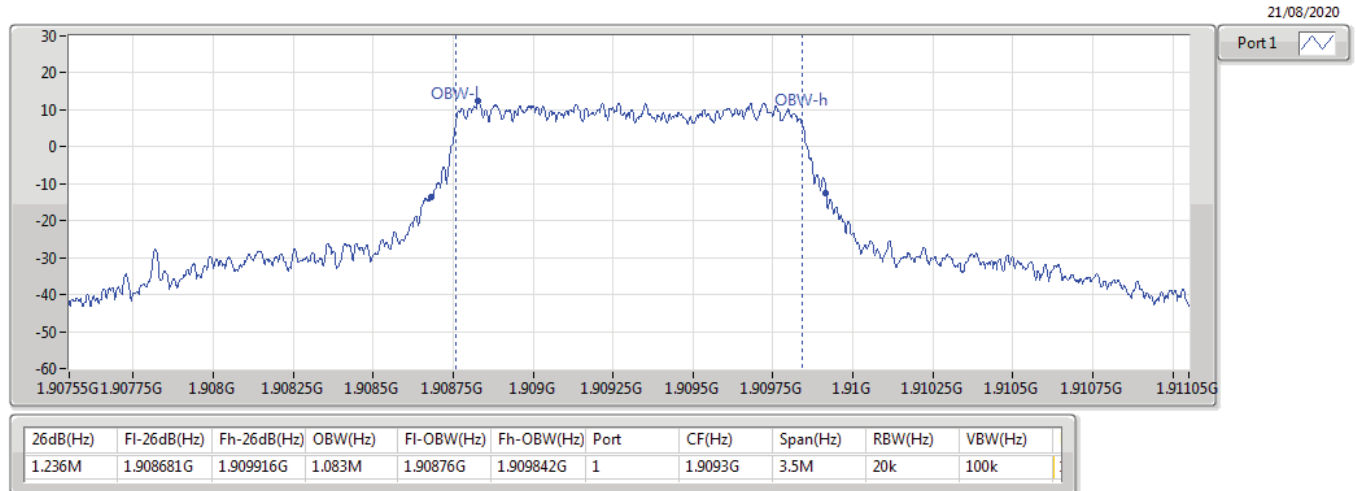
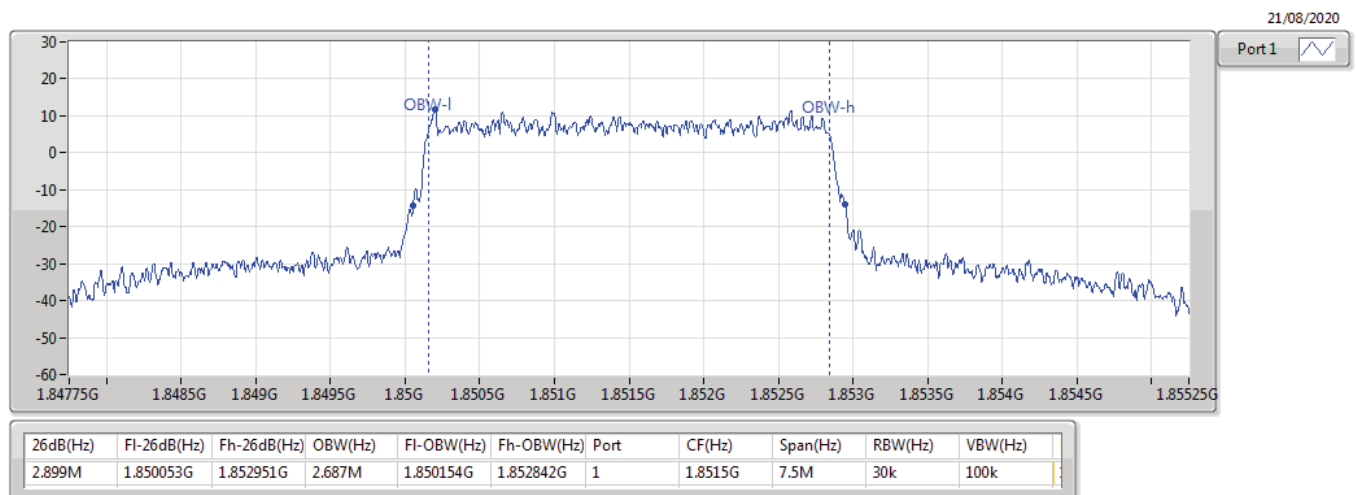
Result

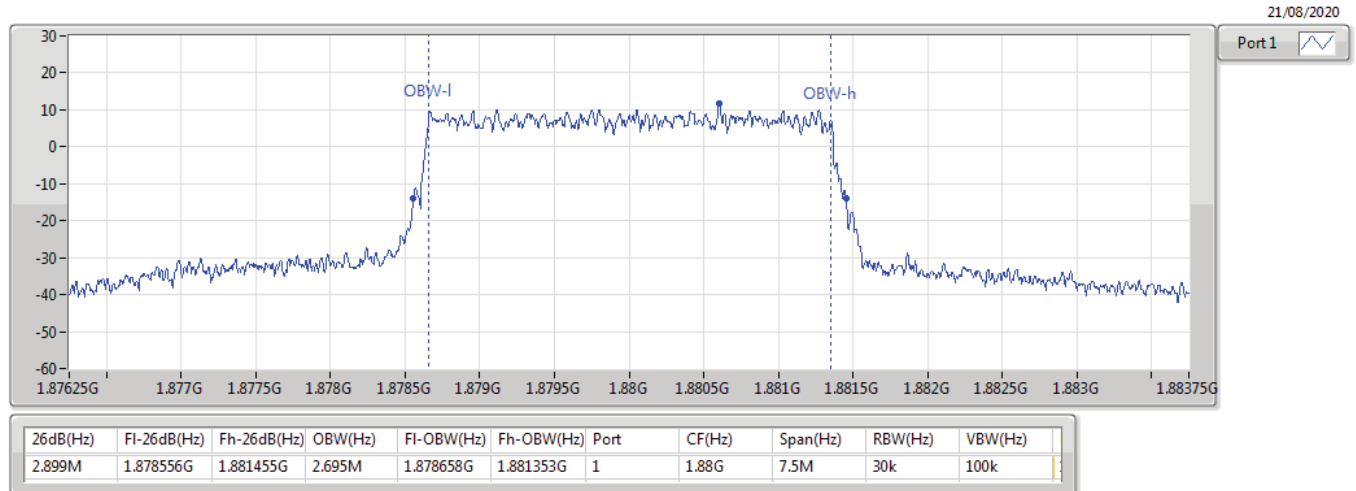
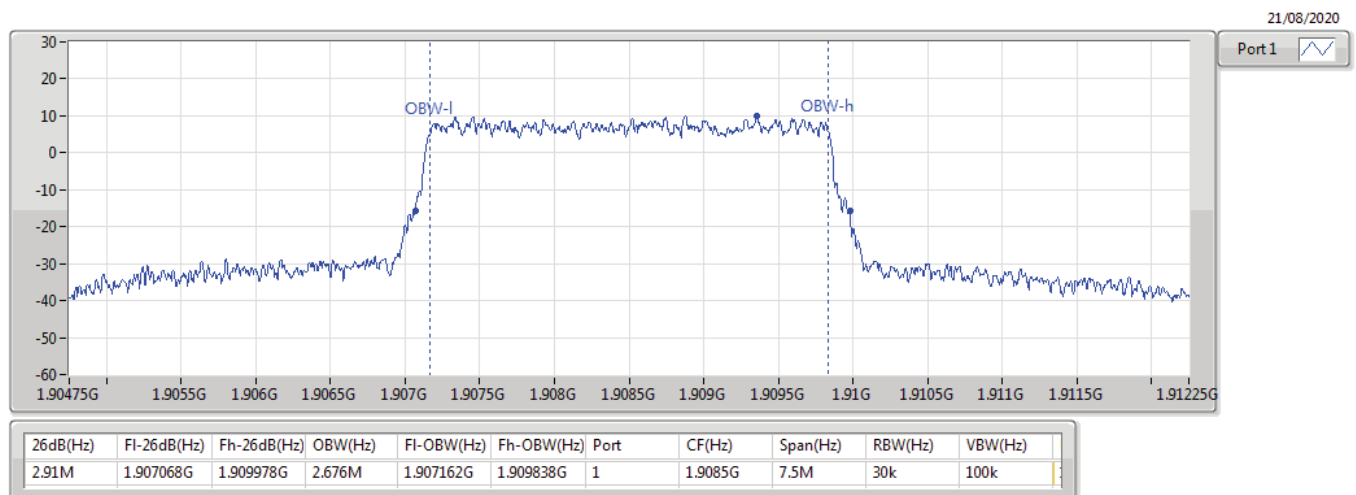
Mode	Result	Port 1-NdB (Hz)	Port 1-OBW (Hz)	Limit (Hz)
Band 2_LTE_1.4MHz_Nss1,QPSK_1TX	-	-	-	-
1850.7MHz_RB 6,#RB 0	Pass	1.253M	1.079M	Inf
1880MHz_RB 6,#RB 0	Pass	1.237M	1.076M	Inf
1909.3MHz_RB 6,#RB 0	Pass	1.236M	1.083M	Inf
Band 2_LTE_3MHz_Nss1,QPSK_1TX	-	-	-	-
1851.5MHz_RB 15,#RB 0	Pass	2.899M	2.687M	Inf
1880MHz_RB 15,#RB 0	Pass	2.899M	2.695M	Inf
1908.5MHz_RB 15,#RB 0	Pass	2.91M	2.676M	Inf
Band 2_LTE_5MHz_Nss1,QPSK_1TX	-	-	-	-
1852.5MHz_RB 25,#RB 0	Pass	4.763M	4.473M	Inf
1880MHz_RB 25,#RB 0	Pass	4.856M	4.485M	Inf
1907.5MHz_RB 25,#RB 0	Pass	4.825M	4.473M	Inf
Band 2_LTE_10MHz_Nss1,QPSK_1TX	-	-	-	-
1855MHz_RB 50,#RB 0	Pass	9.488M	8.908M	Inf
1880MHz_RB 50,#RB 0	Pass	9.65M	8.908M	Inf
1905MHz_RB 50,#RB 0	Pass	9.563M	8.921M	Inf
Band 2_LTE_15MHz_Nss1,QPSK_1TX	-	-	-	-
1857.5MHz_RB 75,#RB 0	Pass	14.344M	13.381M	Inf
1880MHz_RB 75,#RB 0	Pass	14.381M	13.381M	Inf
1902.5MHz_RB 75,#RB 0	Pass	14.269M	13.362M	Inf
Band 2_LTE_20MHz_Nss1,QPSK_1TX	-	-	-	-
1860MHz_RB 100,#RB 0	Pass	18.85M	17.791M	Inf
1880MHz_RB 100,#RB 0	Pass	18.8M	17.816M	Inf
1900MHz_RB 100,#RB 0	Pass	18.875M	17.766M	Inf
Band 2_LTE_1.4MHz_Nss1,16QAM_1TX	-	-	-	-
1850.7MHz_RB 6,#RB 0	Pass	1.236M	1.088M	Inf
1880MHz_RB 6,#RB 0	Pass	1.258M	1.083M	Inf
1909.3MHz_RB 6,#RB 0	Pass	1.229M	1.083M	Inf
Band 2_LTE_3MHz_Nss1,16QAM_1TX	-	-	-	-
1851.5MHz_RB 15,#RB 0	Pass	2.873M	2.687M	Inf
1880MHz_RB 15,#RB 0	Pass	2.925M	2.68M	Inf
1908.5MHz_RB 15,#RB 0	Pass	2.914M	2.68M	Inf
Band 2_LTE_5MHz_Nss1,16QAM_1TX	-	-	-	-
1852.5MHz_RB 25,#RB 0	Pass	4.825M	4.467M	Inf
1880MHz_RB 25,#RB 0	Pass	4.75M	4.479M	Inf
1907.5MHz_RB 25,#RB 0	Pass	4.769M	4.448M	Inf
Band 4_LTE_1.4MHz_Nss1,QPSK_1TX	-	-	-	-
1710.7MHz_RB 6,#RB 0	Pass	1.251M	1.079M	Inf
1732.5MHz_RB 6,#RB 0	Pass	1.234M	1.081M	Inf
1754.3MHz_RB 6,#RB 0	Pass	1.211M	1.079M	Inf
Band 4_LTE_3MHz_Nss1,QPSK_1TX	-	-	-	-
1711.5MHz_RB 15,#RB 0	Pass	2.903M	2.68M	Inf
1732.5MHz_RB 15,#RB 0	Pass	2.891M	2.665M	Inf
1753.5MHz_RB 15,#RB 0	Pass	2.873M	2.672M	Inf
Band 4_LTE_5MHz_Nss1,QPSK_1TX	-	-	-	-
1712.5MHz_RB 25,#RB 0	Pass	4.8M	4.454M	Inf
1732.5MHz_RB 25,#RB 0	Pass	4.794M	4.473M	Inf
1752.5MHz_RB 25,#RB 0	Pass	4.788M	4.473M	Inf

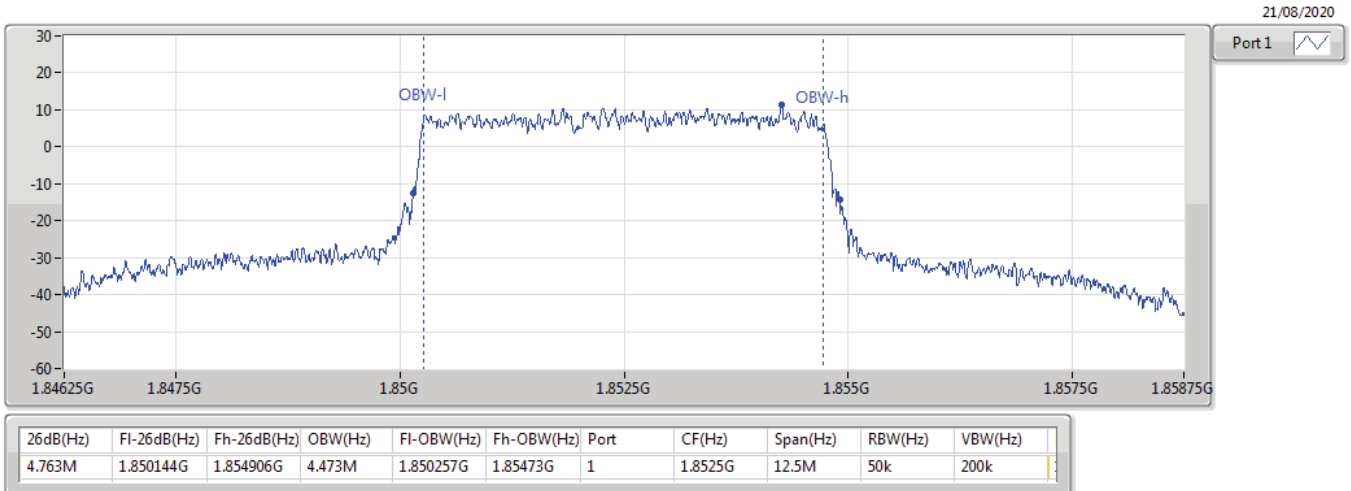
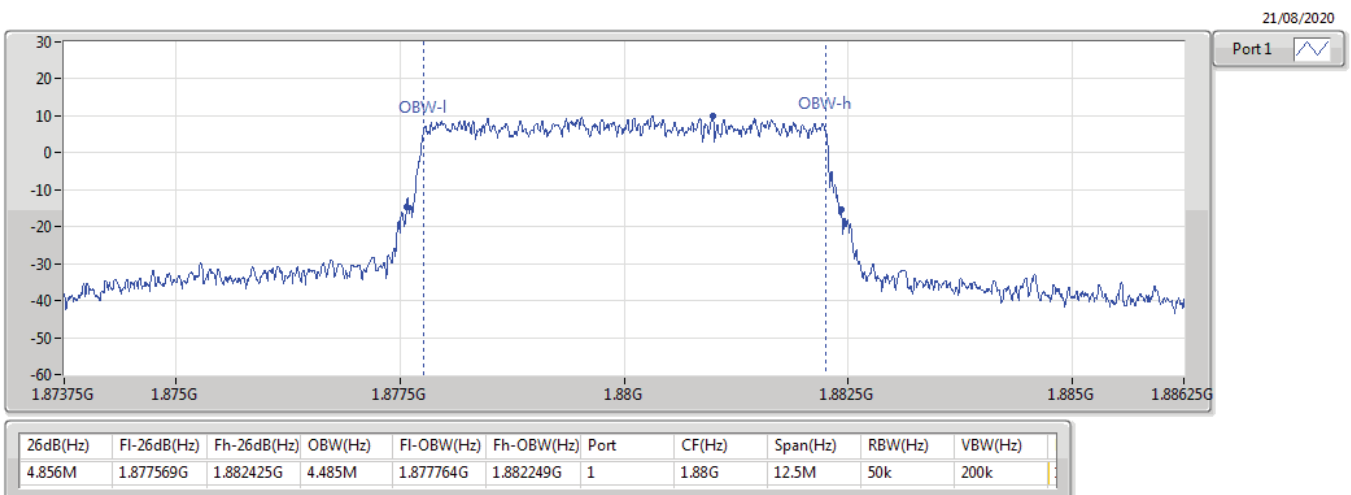
Mode	Result	Port 1-NdB (Hz)	Port 1-OBW (Hz)	Limit (Hz)
Band 4_LTE_10MHz_Nss1,QPSK_1TX	-	-	-	-
1715MHz_RB 50,#RB 0	Pass	9.588M	8.908M	Inf
1732.5MHz_RB 50,#RB 0	Pass	9.463M	8.908M	Inf
1750MHz_RB 50,#RB 0	Pass	9.513M	8.896M	Inf
Band 4_LTE_15MHz_Nss1,QPSK_1TX	-	-	-	-
1717.5MHz_RB 75,#RB 0	Pass	14.4M	13.4M	Inf
1732.5MHz_RB 75,#RB 0	Pass	14.419M	13.343M	Inf
1747.5MHz_RB 75,#RB 0	Pass	14.325M	13.343M	Inf
Band 4_LTE_20MHz_Nss1,QPSK_1TX	-	-	-	-
1720MHz_RB 100,#RB 0	Pass	18.95M	17.791M	Inf
1732.5MHz_RB 100,#RB 0	Pass	18.9M	17.791M	Inf
1745MHz_RB 100,#RB 0	Pass	18.775M	17.841M	Inf
Band 4_LTE_1.4MHz_Nss1,16QAM_1TX	-	-	-	-
1710.7MHz_RB 6,#RB 0	Pass	1.239M	1.083M	Inf
1732.5MHz_RB 6,#RB 0	Pass	1.241M	1.079M	Inf
1754.3MHz_RB 6,#RB 0	Pass	1.239M	1.084M	Inf
Band 4_LTE_3MHz_Nss1,16QAM_1TX	-	-	-	-
1711.5MHz_RB 15,#RB 0	Pass	2.899M	2.68M	Inf
1732.5MHz_RB 15,#RB 0	Pass	2.91M	2.68M	Inf
1753.5MHz_RB 15,#RB 0	Pass	2.899M	2.676M	Inf
Band 4_LTE_5MHz_Nss1,16QAM_1TX	-	-	-	-
1712.5MHz_RB 25,#RB 0	Pass	4.744M	4.473M	Inf
1732.5MHz_RB 25,#RB 0	Pass	4.806M	4.473M	Inf
1752.5MHz_RB 25,#RB 0	Pass	4.819M	4.46M	Inf
Band 7_LTE_5MHz_Nss1,QPSK_1TX	-	-	-	-
2502.5MHz_RB 25,#RB 0	Pass	4.869M	4.473M	Inf
2535MHz_RB 25,#RB 0	Pass	4.781M	4.46M	Inf
2567.5MHz_RB 25,#RB 0	Pass	4.744M	4.473M	Inf
Band 7_LTE_10MHz_Nss1,QPSK_1TX	-	-	-	-
2505MHz_RB 50,#RB 0	Pass	9.588M	8.921M	Inf
2535MHz_RB 50,#RB 0	Pass	9.413M	8.896M	Inf
2565MHz_RB 50,#RB 0	Pass	9.525M	8.921M	Inf
Band 7_LTE_15MHz_Nss1,QPSK_1TX	-	-	-	-
2507.5MHz_RB 75,#RB 0	Pass	14.288M	13.381M	Inf
2535MHz_RB 75,#RB 0	Pass	14.288M	13.381M	Inf
2562.5MHz_RB 75,#RB 0	Pass	14.325M	13.343M	Inf
Band 7_LTE_20MHz_Nss1,QPSK_1TX	-	-	-	-
2510MHz_RB 100,#RB 0	Pass	18.8M	17.841M	Inf
2535MHz_RB 100,#RB 0	Pass	18.75M	17.741M	Inf
2560MHz_RB 100,#RB 0	Pass	18.625M	17.841M	Inf
Band 7_LTE_5MHz_Nss1,16QAM_1TX	-	-	-	-
2502.5MHz_RB 25,#RB 0	Pass	4.756M	4.46M	Inf
2535MHz_RB 25,#RB 0	Pass	4.919M	4.448M	Inf
2567.5MHz_RB 25,#RB 0	Pass	4.781M	4.485M	Inf

Port X-N dB = Port X 26dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

Band 2_LTE_1.4MHz_Nss1,QPSK_1TX
1850.7MHz_QPSK_RB 6,#RB 0
EBW

Band 2_LTE_1.4MHz_Nss1,QPSK_1TX
1880MHz_QPSK_RB 6,#RB 0
EBW


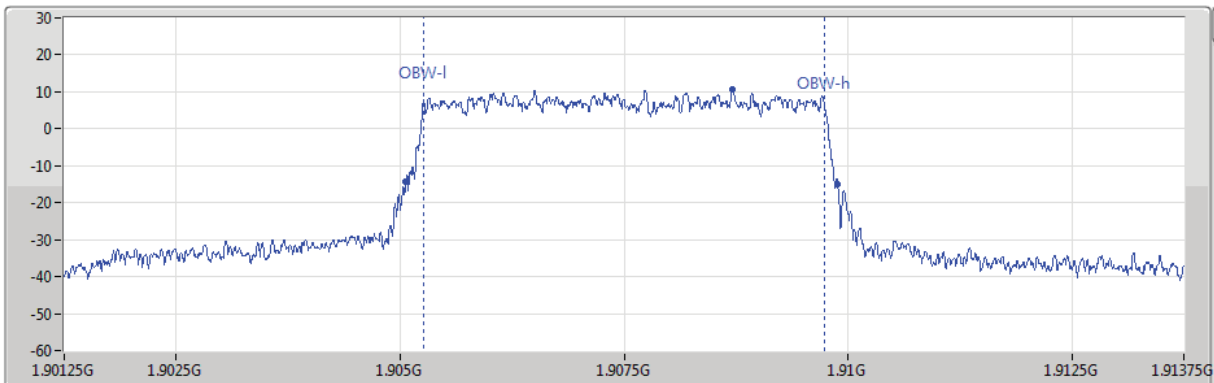
Band 2_LTE_1.4MHz_Nss1,QPSK_1TX
EBW
1909.3MHz_QPSK_RB 6,#RB 0

Band 2_LTE_3MHz_Nss1,QPSK_1TX
EBW
1851.5MHz_QPSK_RB 15,#RB 0


Band 2_LTE_3MHz_Nss1,QPSK_1TX
EBW
1880MHz_QPSK_RB 15,#RB 0

Band 2_LTE_3MHz_Nss1,QPSK_1TX
EBW
1908.5MHz_QPSK_RB 15,#RB 0


Band 2_LTE_5MHz_Nss1,QPSK_1TX
1852.5MHz_QPSK_RB 25,#RB 0
EBW

Band 2_LTE_5MHz_Nss1,QPSK_1TX
1880MHz_QPSK_RB 25,#RB 0
EBW


Band 2_LTE_5MHz_Nss1,QPSK_1TX
EBW
1907.5MHz_QPSK_RB 25,#RB 0

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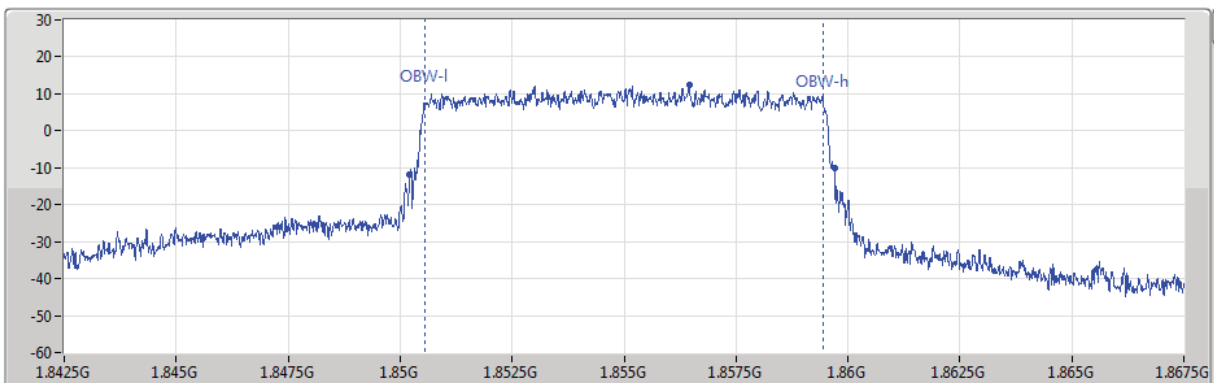


Port 1

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
4.825M	1.905063G	1.909888G	4.473M	1.905264G	1.909736G	1	1.9075G	12.5M	50k	200k

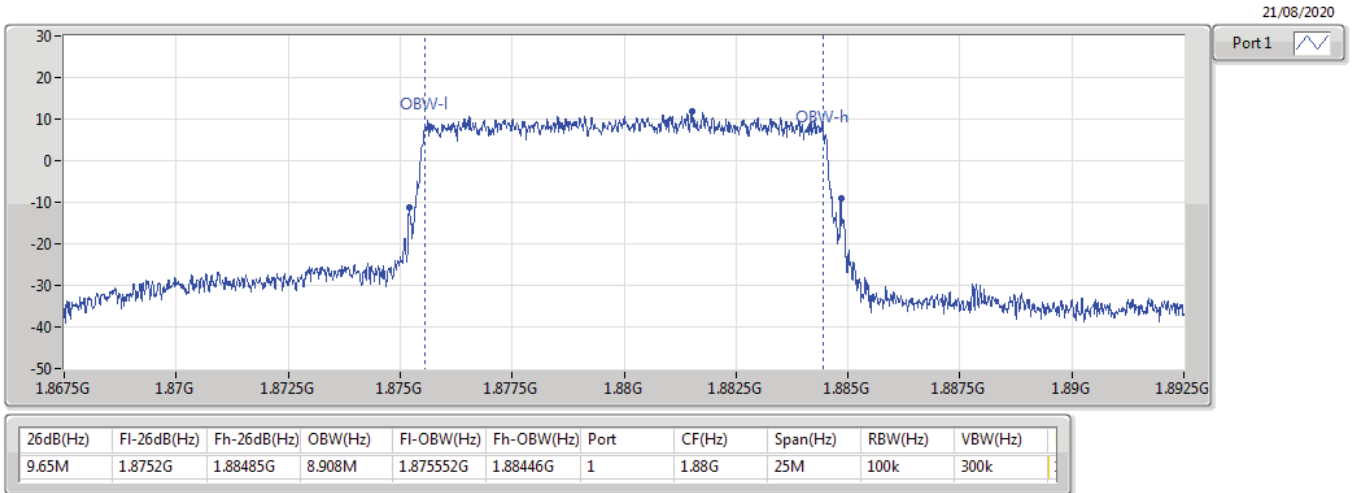
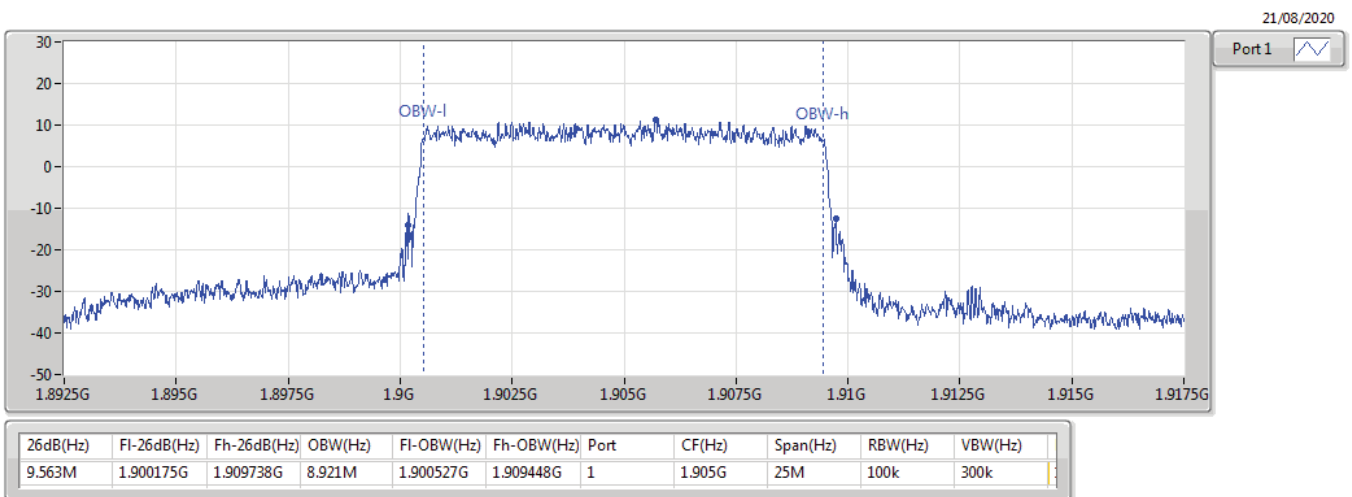
Band 2_LTE_10MHz_Nss1,QPSK_1TX
EBW
1855MHz_QPSK_RB 50,#RB 0

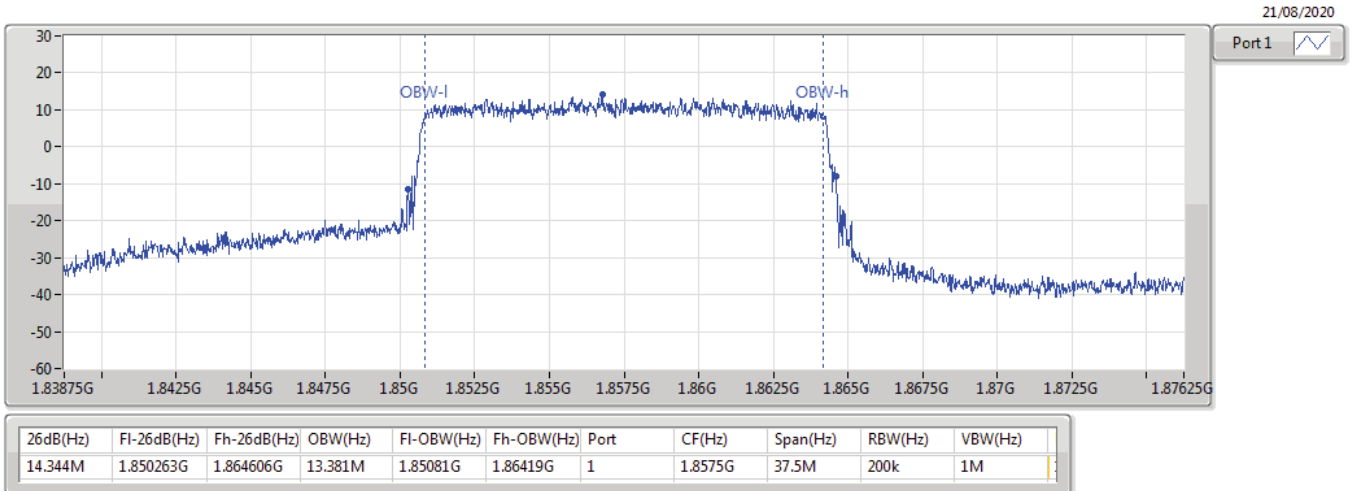
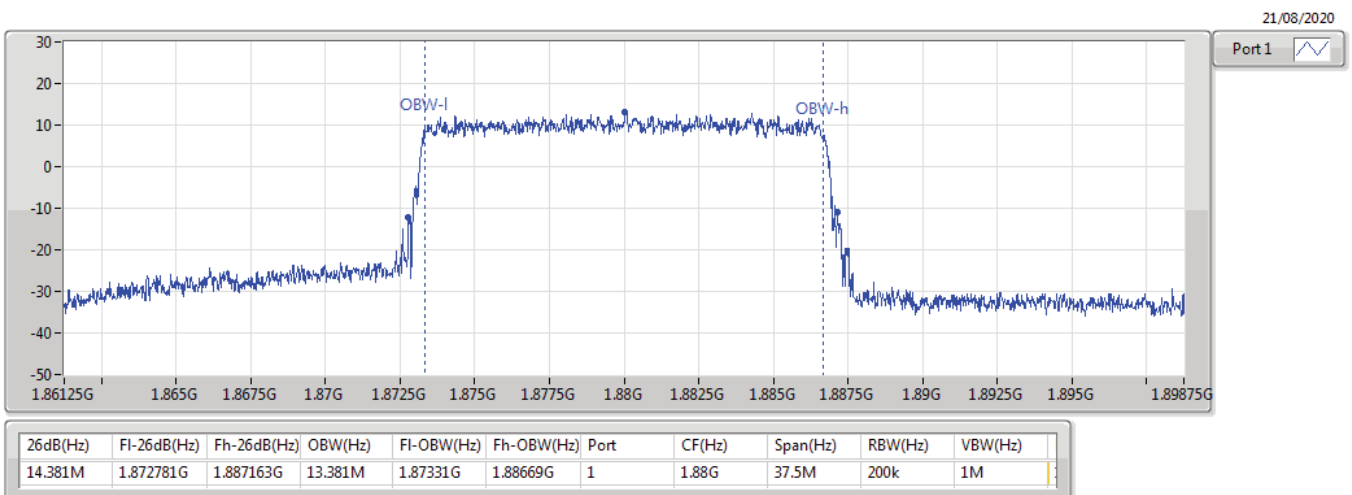
21/08/2020

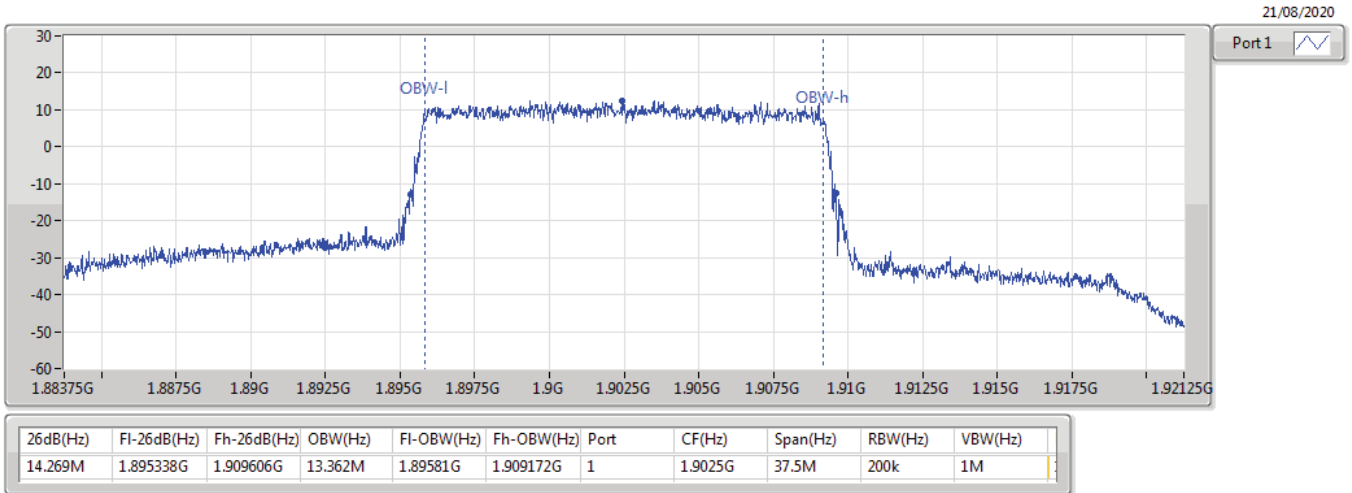
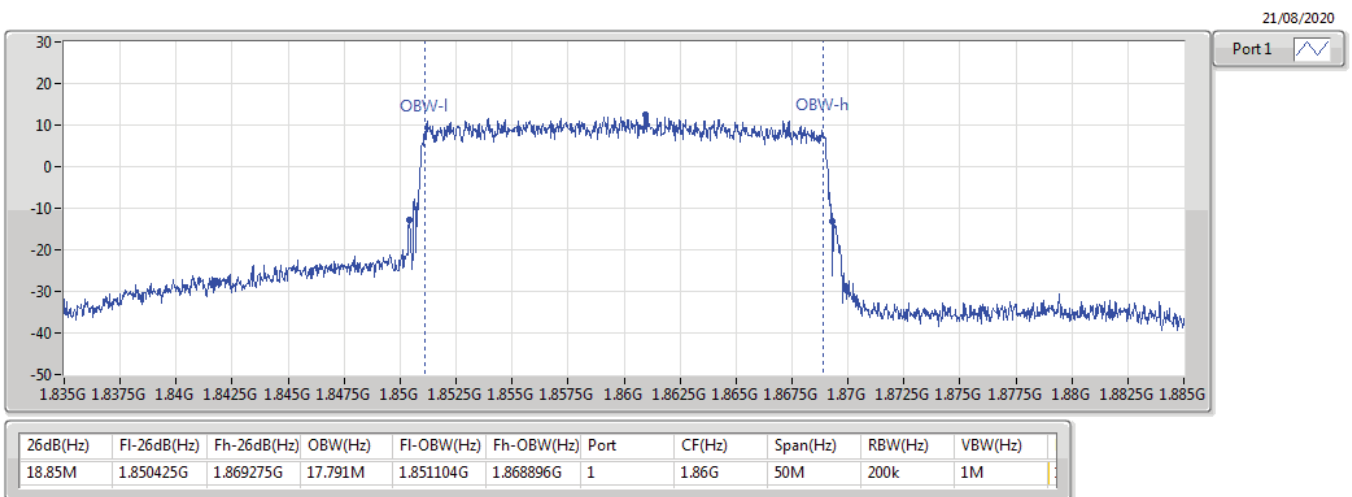


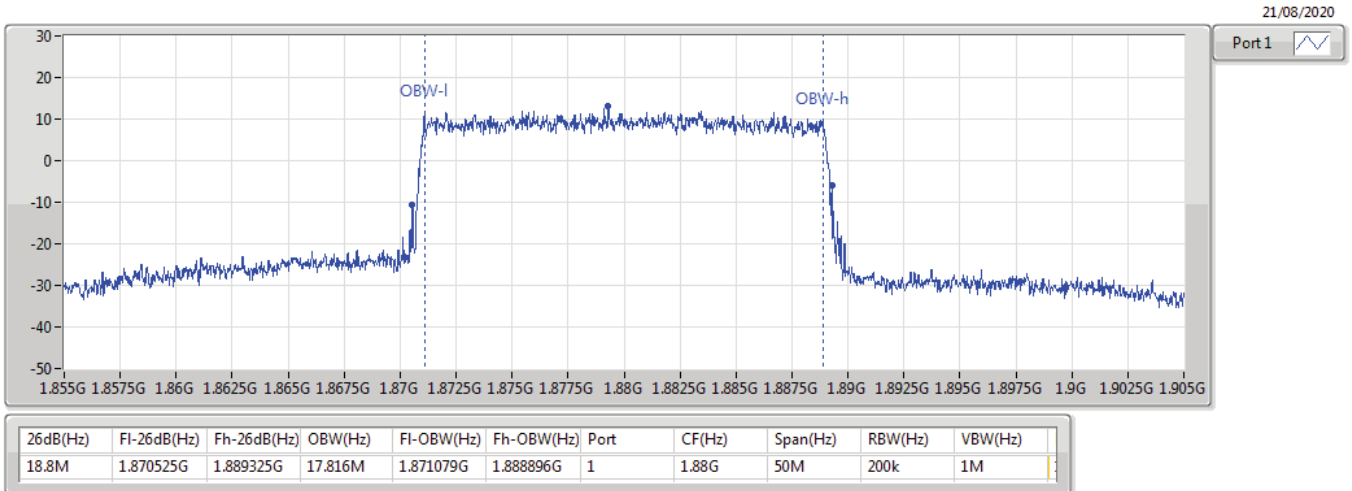
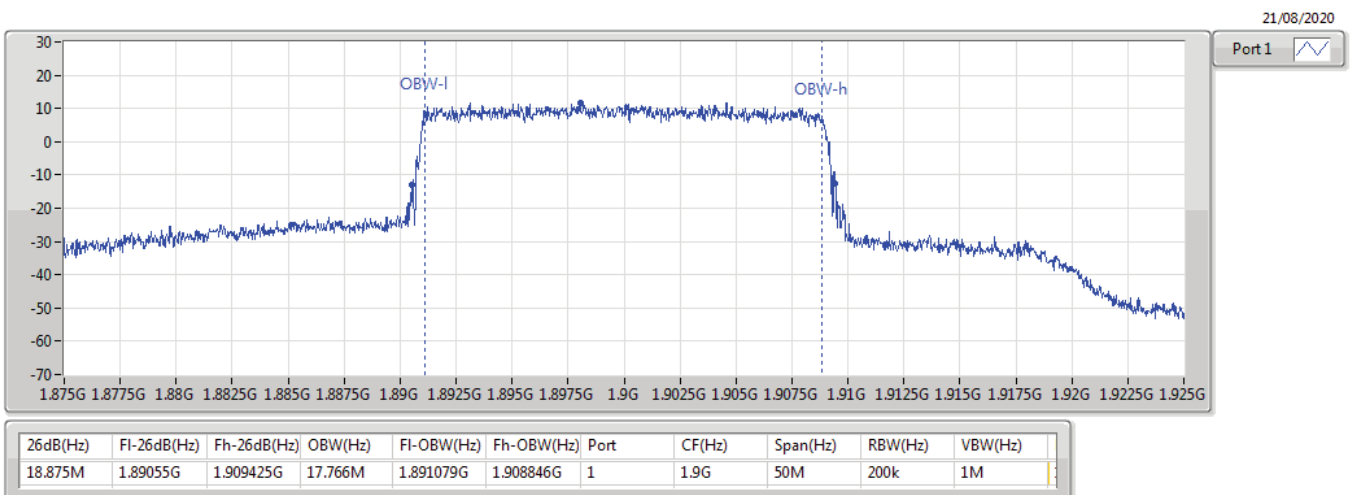
Port 1

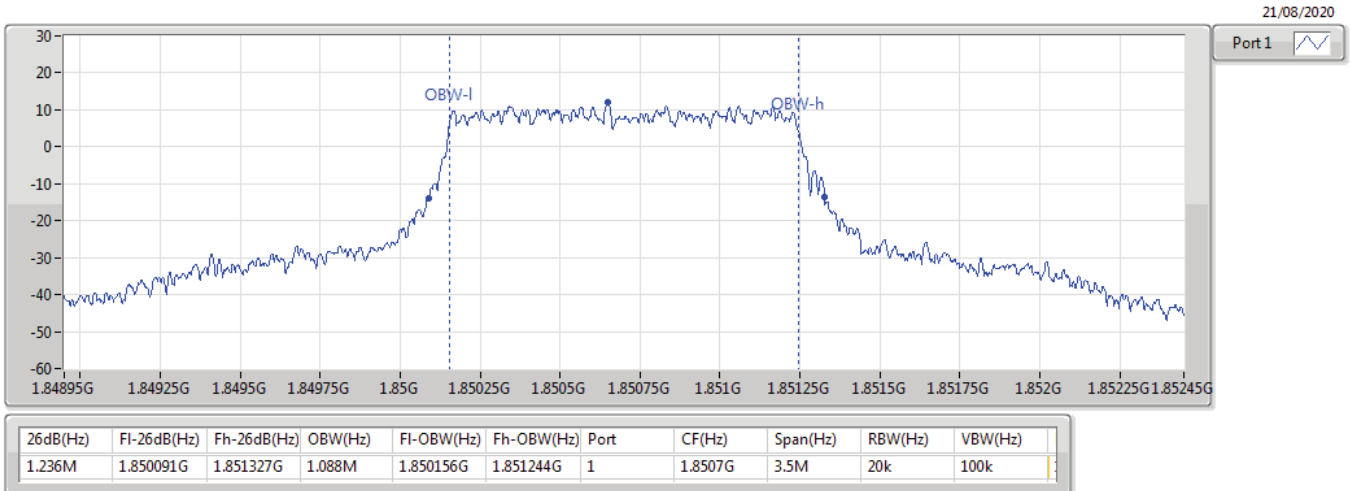
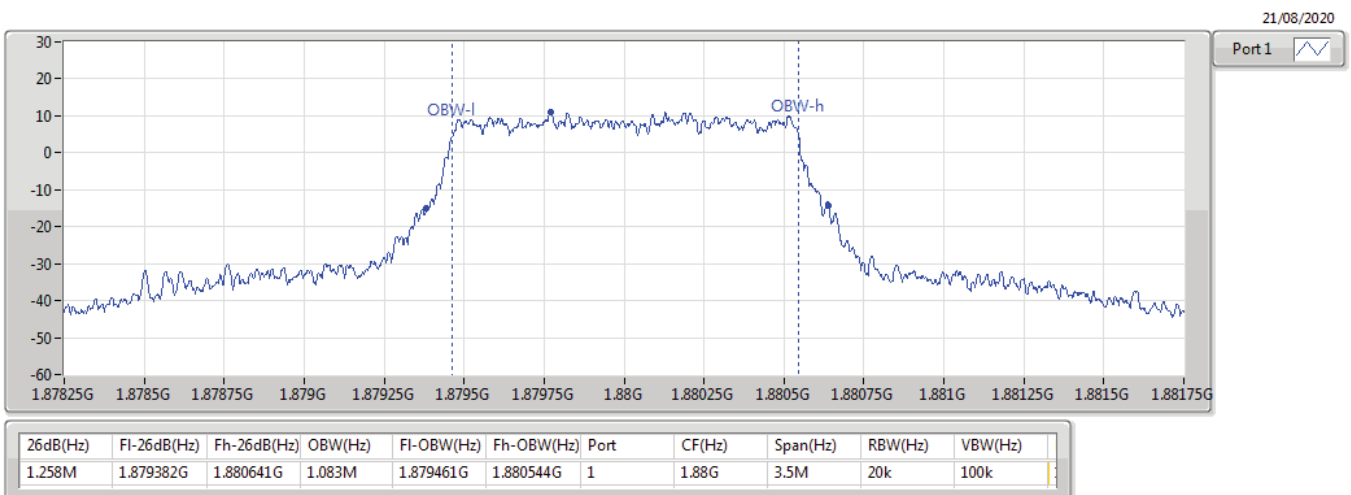
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.488M	1.850213G	1.8597G	8.908M	1.850552G	1.85946G	1	1.855G	25M	100k	300k

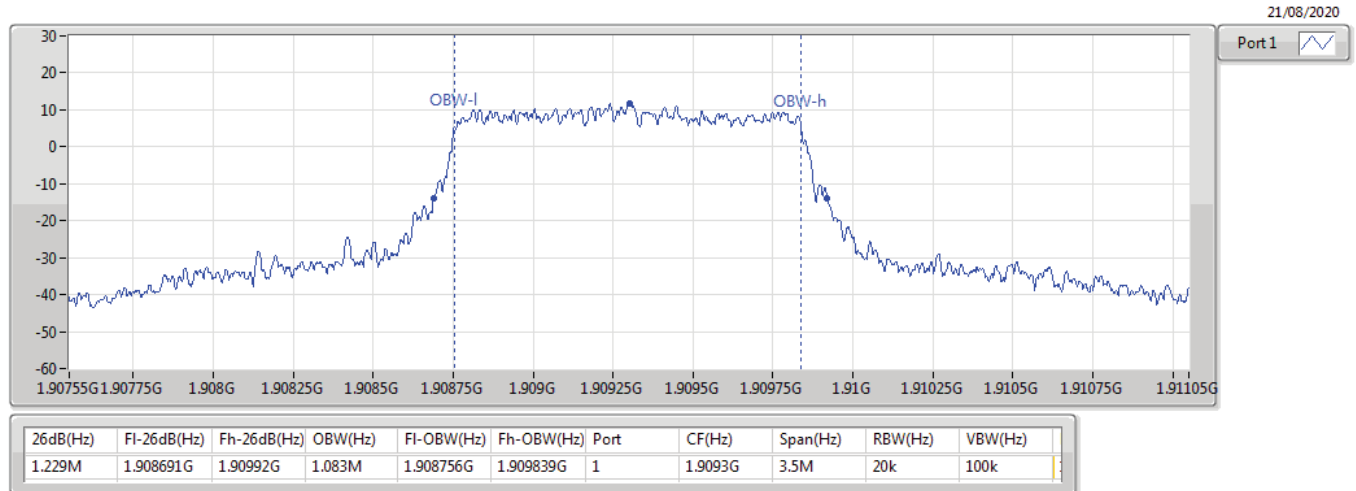
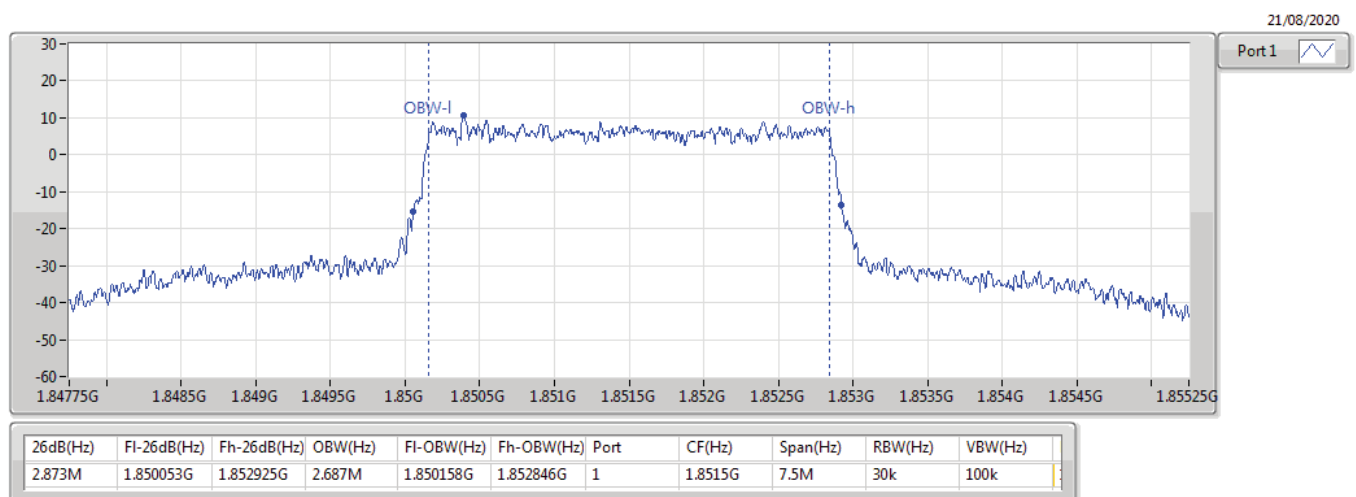
Band 2_LTE_10MHz_Nss1,QPSK_1TX
EBW
1880MHz_QPSK_RB 50,#RB 0

Band 2_LTE_10MHz_Nss1,QPSK_1TX
EBW
1905MHz_QPSK_RB 50,#RB 0


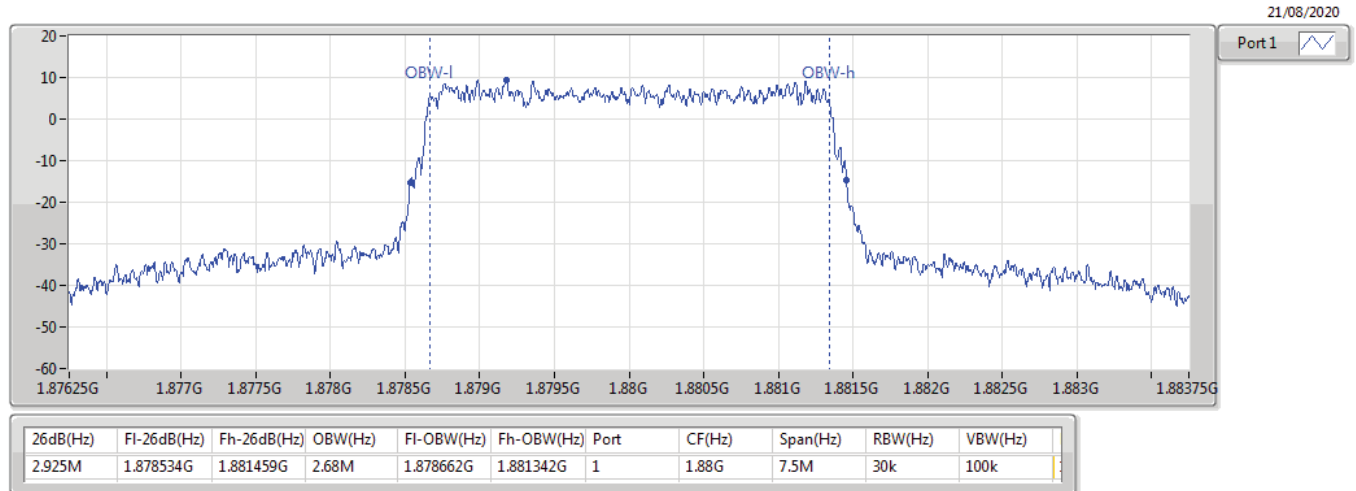
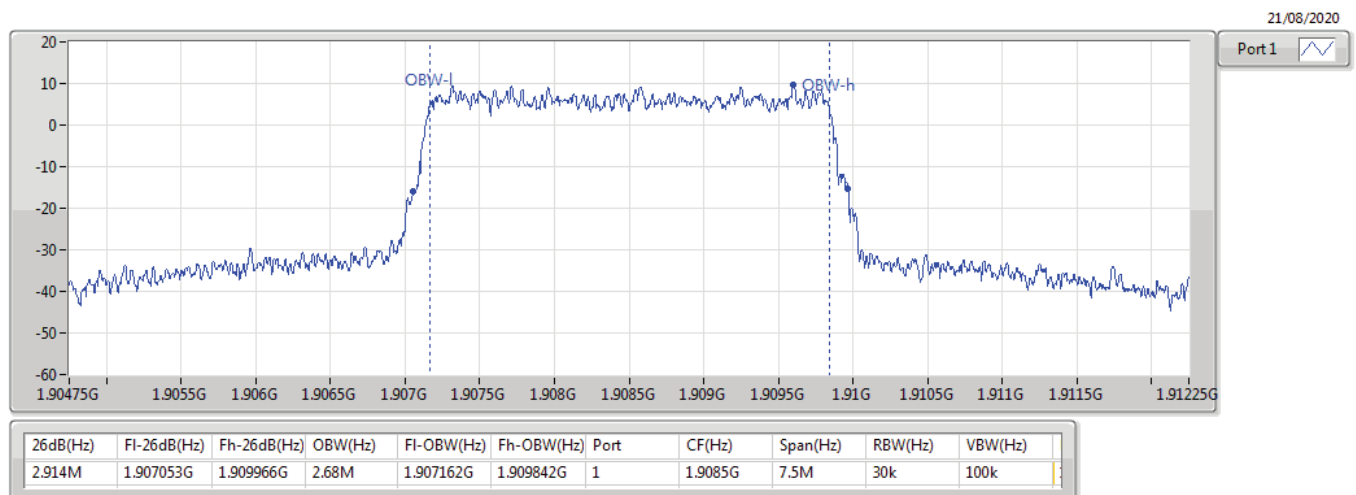
Band 2_LTE_15MHz_Nss1,QPSK_1TX
1857.5MHz_QPSK_RB 75,#RB 0
EBW

Band 2_LTE_15MHz_Nss1,QPSK_1TX
1880MHz_QPSK_RB 75,#RB 0
EBW


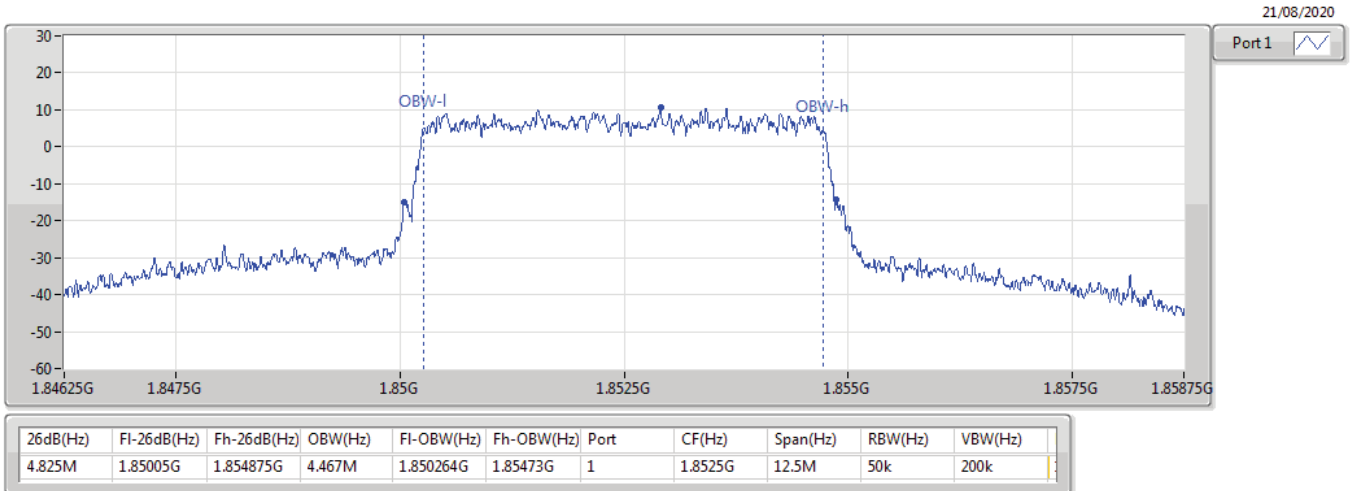
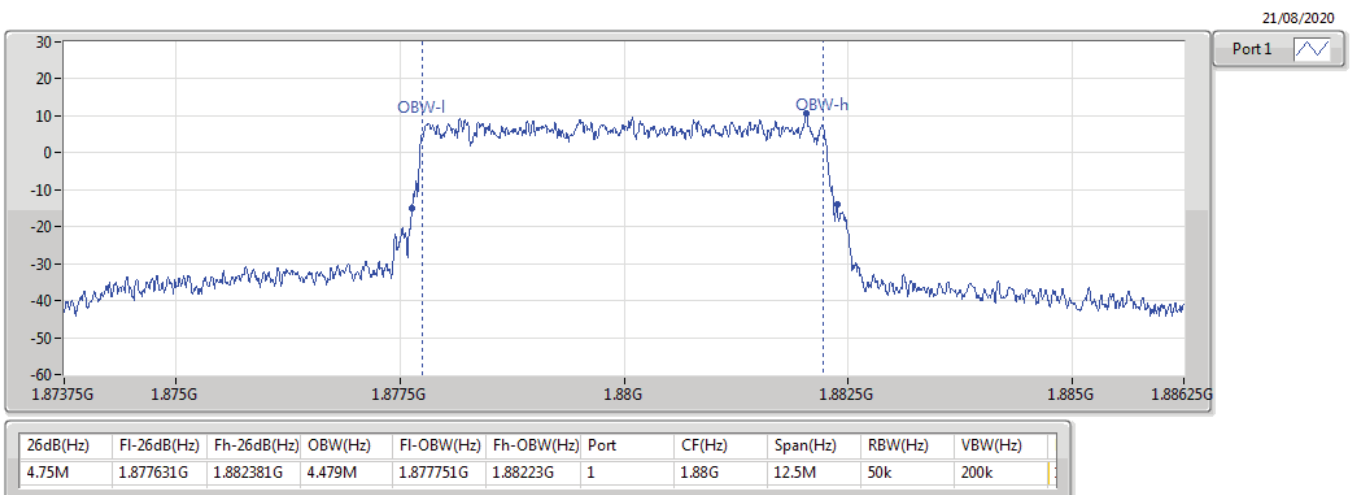
Band 2_LTE_15MHz_Nss1,QPSK_1TX
EBW
1902.5MHz_QPSK_RB 75,#RB 0

Band 2_LTE_20MHz_Nss1,QPSK_1TX
EBW
1860MHz_QPSK_RB 100,#RB 0


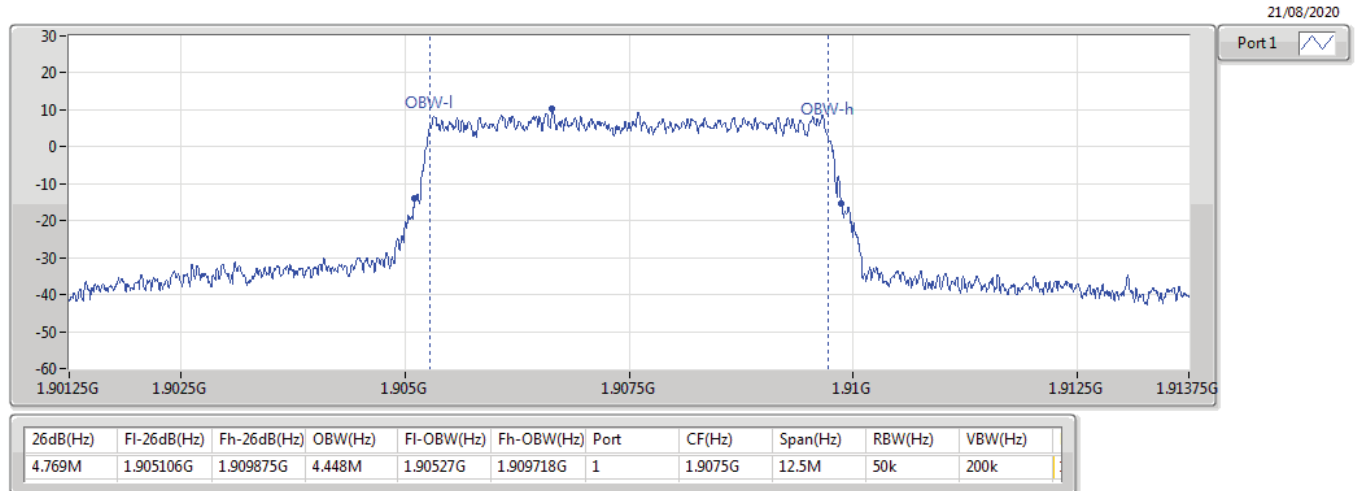
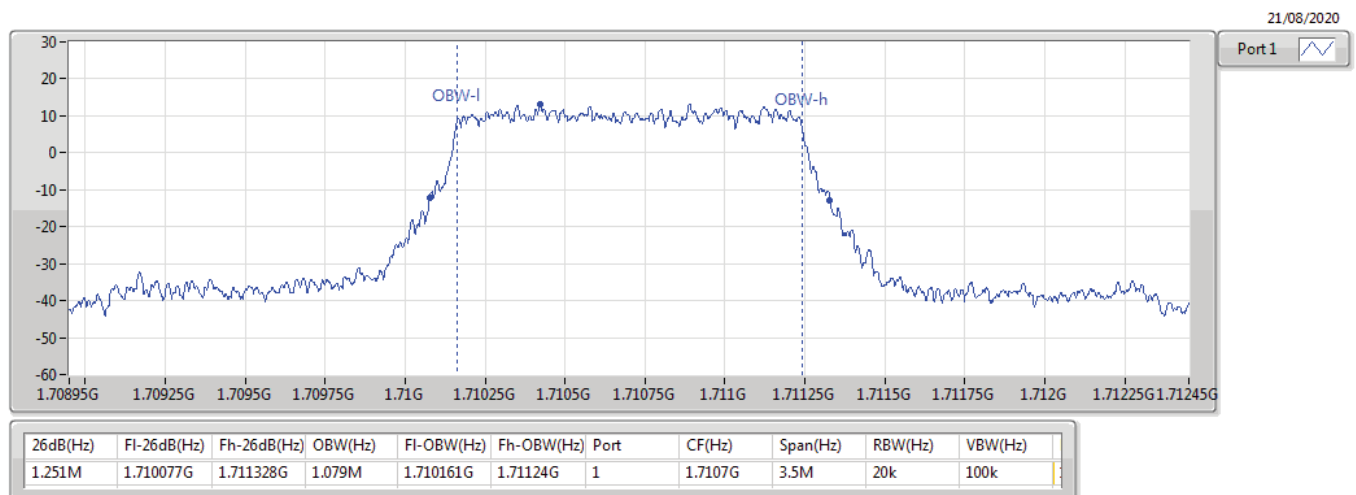
Band 2_LTE_20MHz_Nss1,QPSK_1TX
1880MHz_QPSK_RB 100,#RB 0
EBW

Band 2_LTE_20MHz_Nss1,QPSK_1TX
1900MHz_QPSK_RB 100,#RB 0
EBW


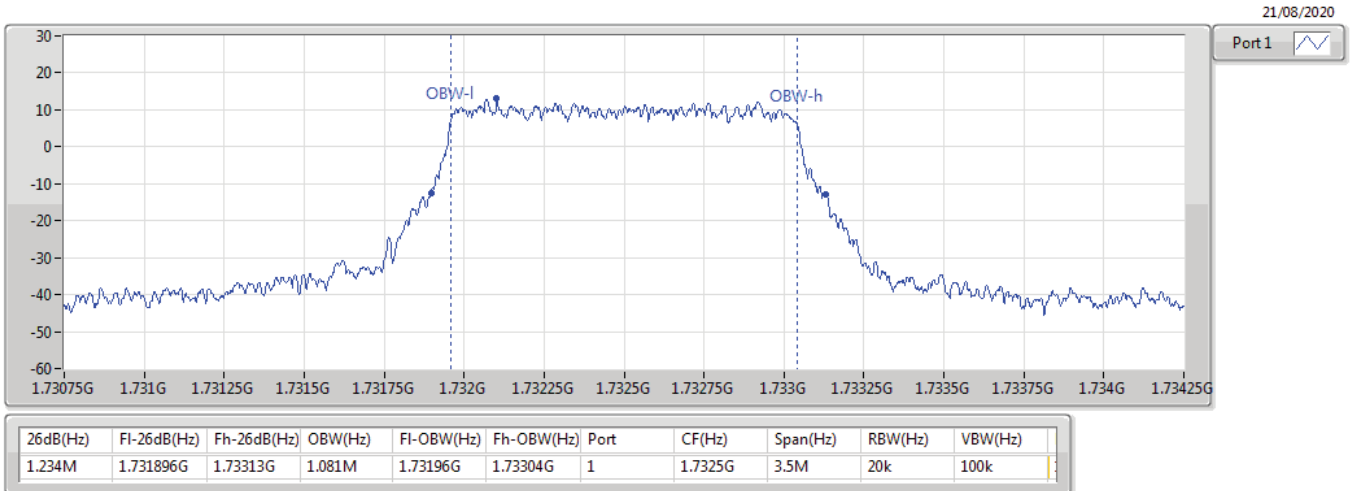
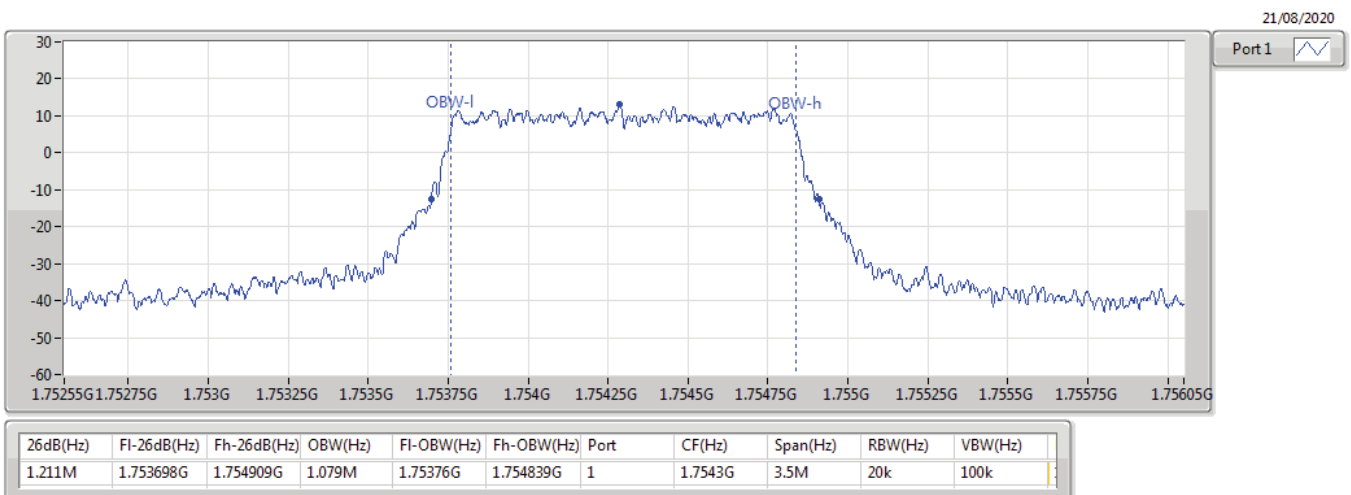
Band 2_LTE_1.4MHz_Nss1,16QAM_1TX
1850.7MHz_16QAM_RB 6,#RB 0
EBW

Band 2_LTE_1.4MHz_Nss1,16QAM_1TX
1880MHz_16QAM_RB 6,#RB 0
EBW


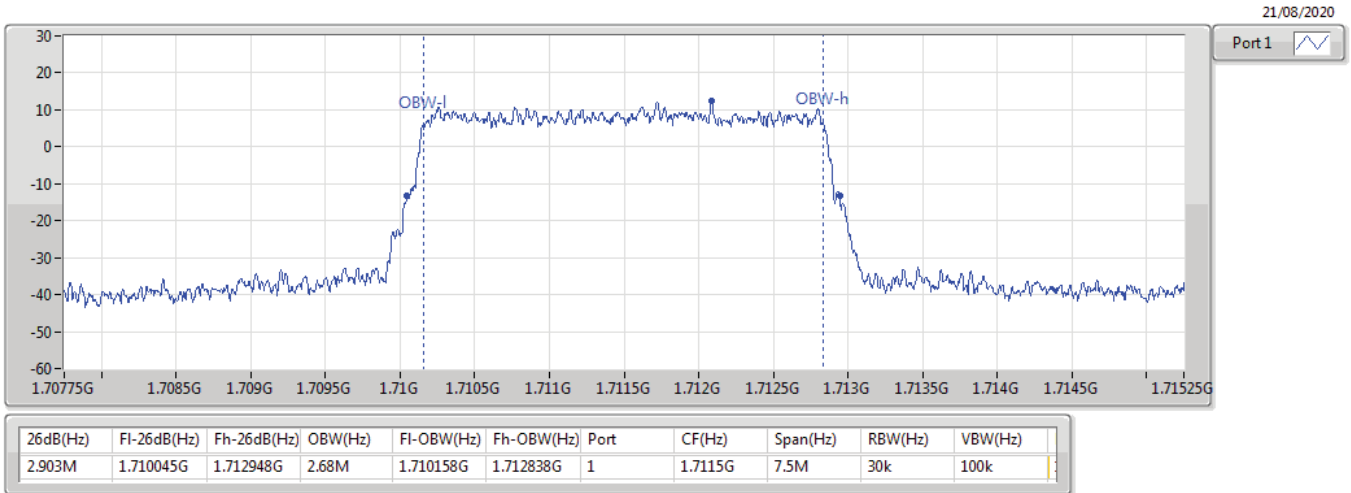
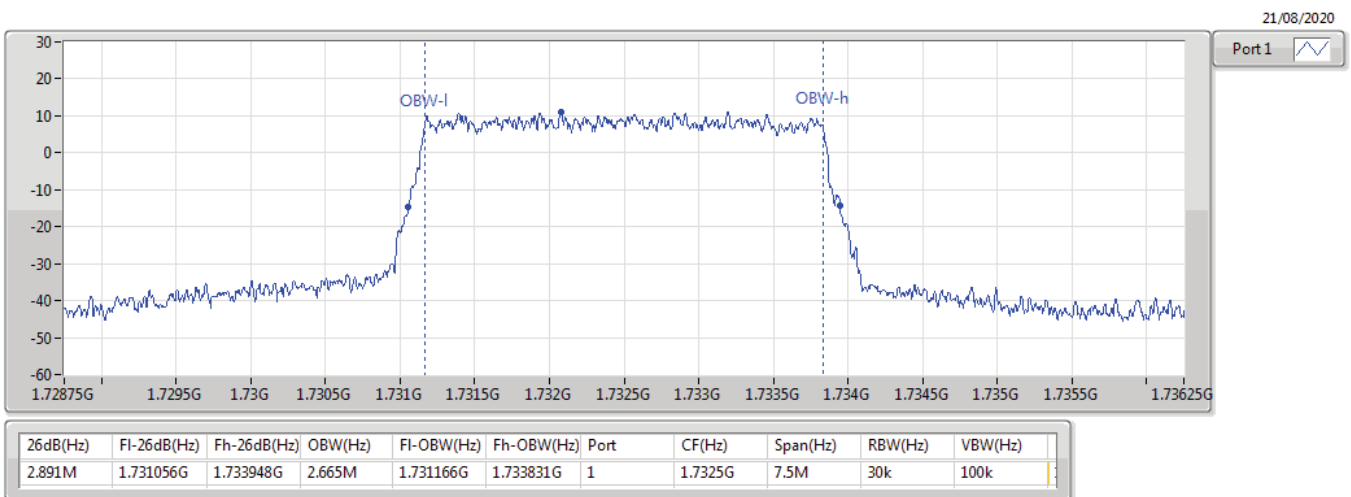
Band 2_LTE_1.4MHz_Nss1,16QAM_1TX
EBW
1909.3MHz_16QAM_RB 6,#RB 0

Band 2_LTE_3MHz_Nss1,16QAM_1TX
EBW
1851.5MHz_16QAM_RB 15,#RB 0


Band 2_LTE_3MHz_Nss1,16QAM_1TX
EBW
1880MHz_16QAM_RB 15,#RB 0

Band 2_LTE_3MHz_Nss1,16QAM_1TX
EBW
1908.5MHz_16QAM_RB 15,#RB 0


Band 2_LTE_5MHz_Nss1,16QAM_1TX
1852.5MHz_16QAM_RB 25,#RB 0
EBW

Band 2_LTE_5MHz_Nss1,16QAM_1TX
1880MHz_16QAM_RB 25,#RB 0
EBW


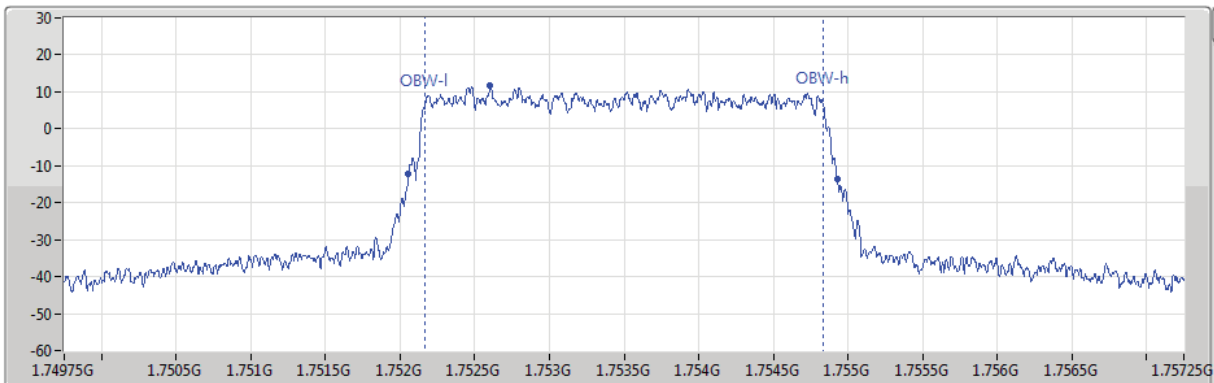
Band 2_LTE_5MHz_Nss1,16QAM_1TX
EBW
1907.5MHz_16QAM_RB 25,#RB 0

Band 4_LTE_1.4MHz_Nss1,QPSK_1TX
EBW
1710.7MHz_QPSK_RB 6,#RB 0


Band 4_LTE_1.4MHz_Nss1,QPSK_1TX
1732.5MHz_QPSK_RB 6,#RB 0
EBW

Band 4_LTE_1.4MHz_Nss1,QPSK_1TX
1754.3MHz_QPSK_RB 6,#RB 0
EBW


Band 4_LTE_3MHz_Nss1,QPSK_1TX
EBW
1711.5MHz_QPSK_RB 15,#RB 0

Band 4_LTE_3MHz_Nss1,QPSK_1TX
EBW
1732.5MHz_QPSK_RB 15,#RB 0


Band 4_LTE_3MHz_Nss1,QPSK_1TX
EBW
1753.5MHz_QPSK_RB 15,#RB 0

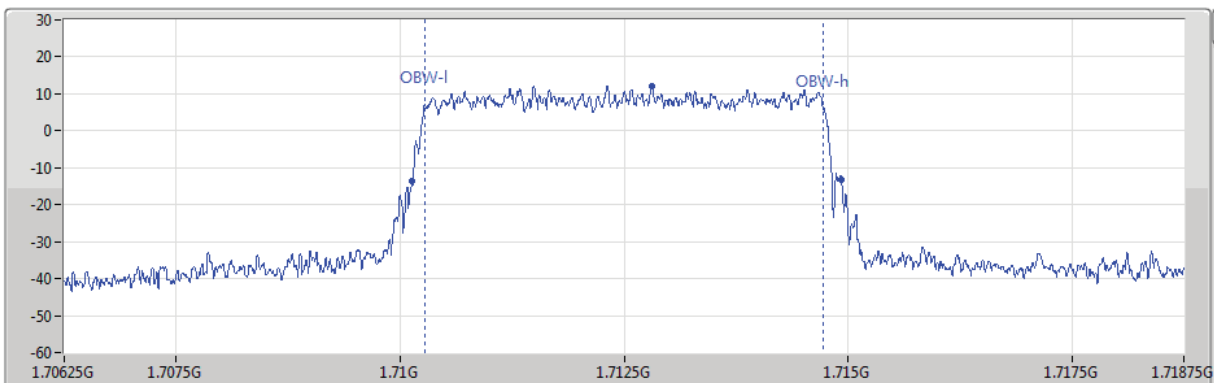
21/08/2020



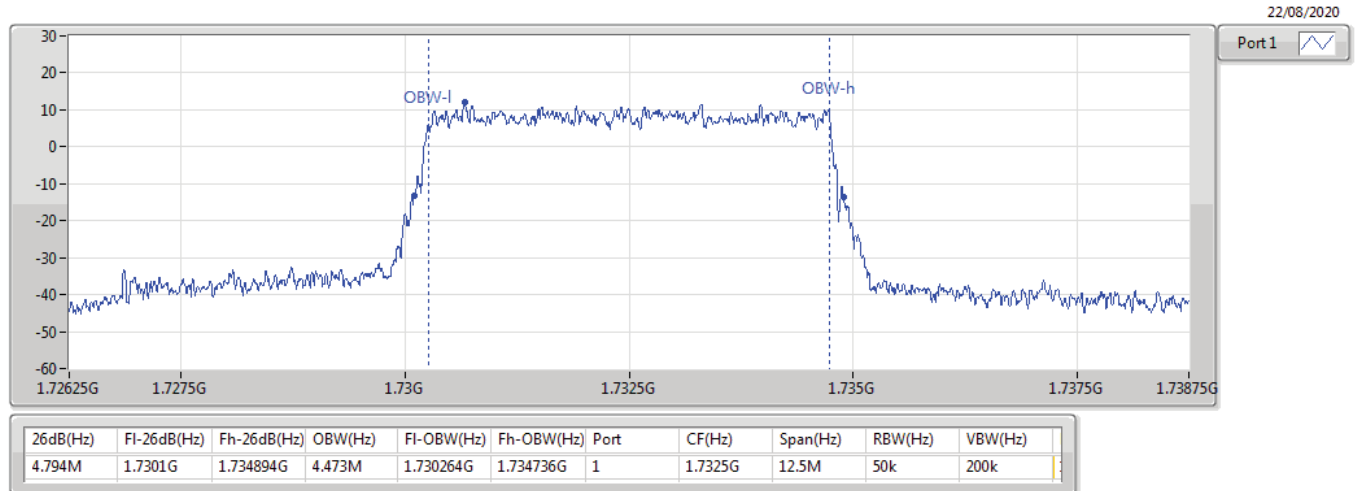
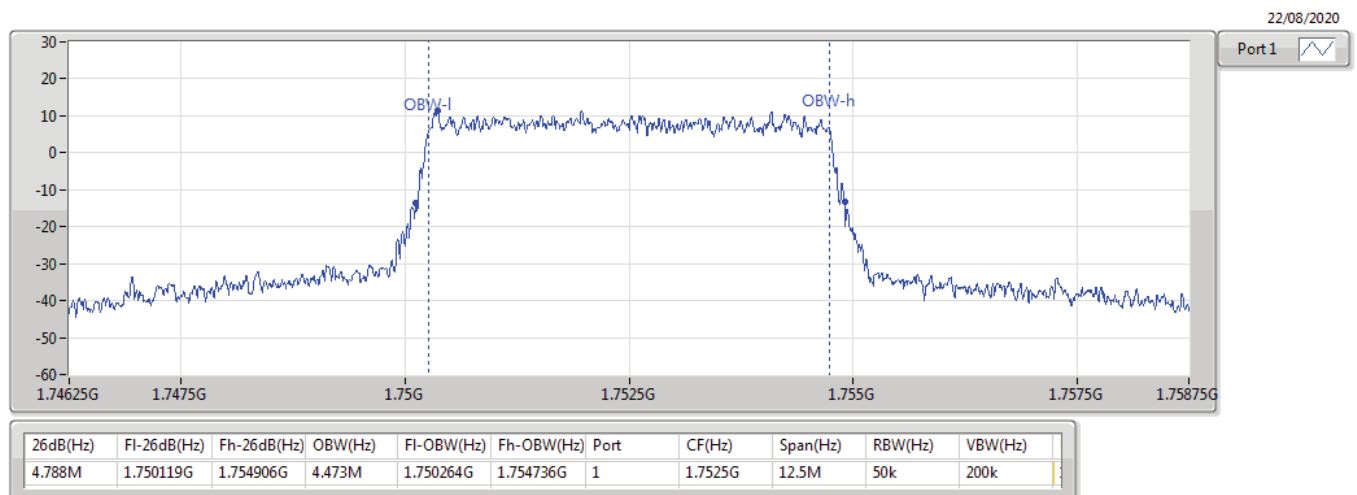
26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
2.873M	1.752056G	1.754929G	2.672M	1.752162G	1.754834G	1	1.7535G	7.5M	30k	100k

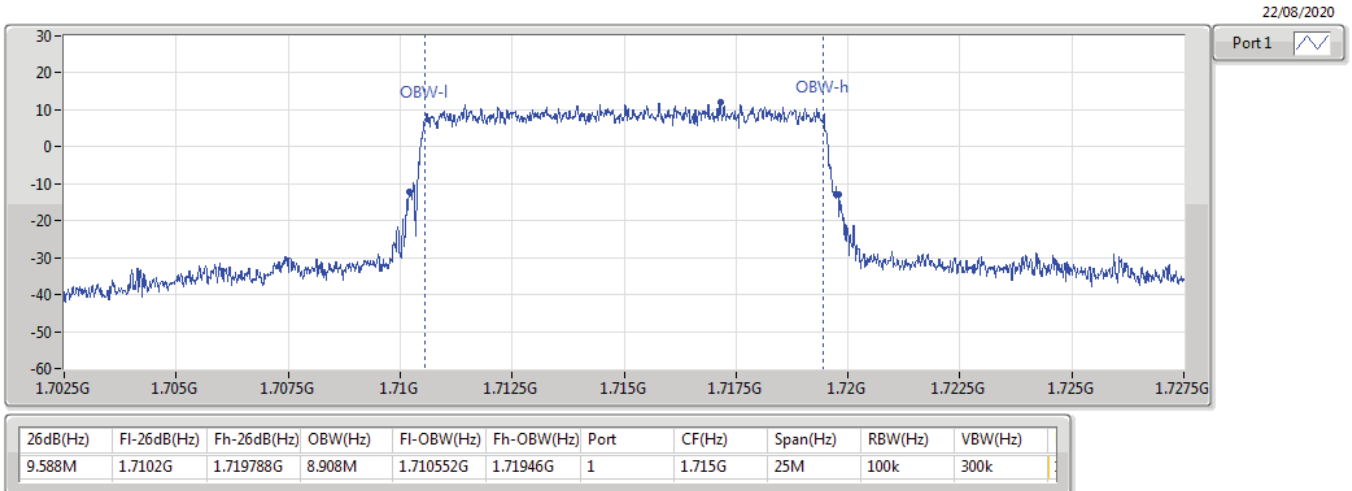
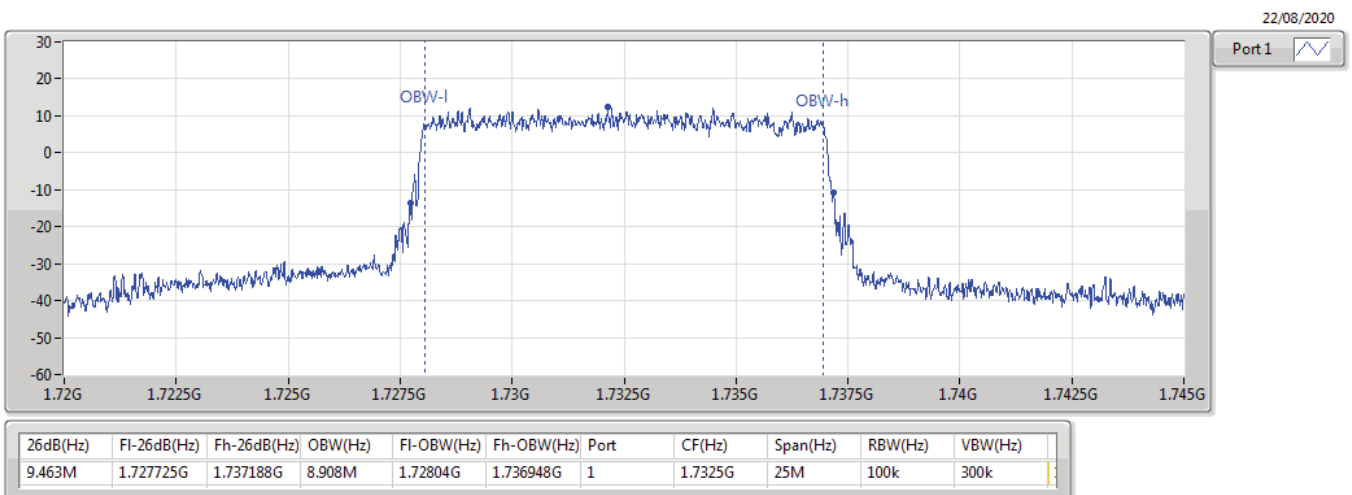
Band 4_LTE_5MHz_Nss1,QPSK_1TX
EBW
1712.5MHz_QPSK_RB 25,#RB 0

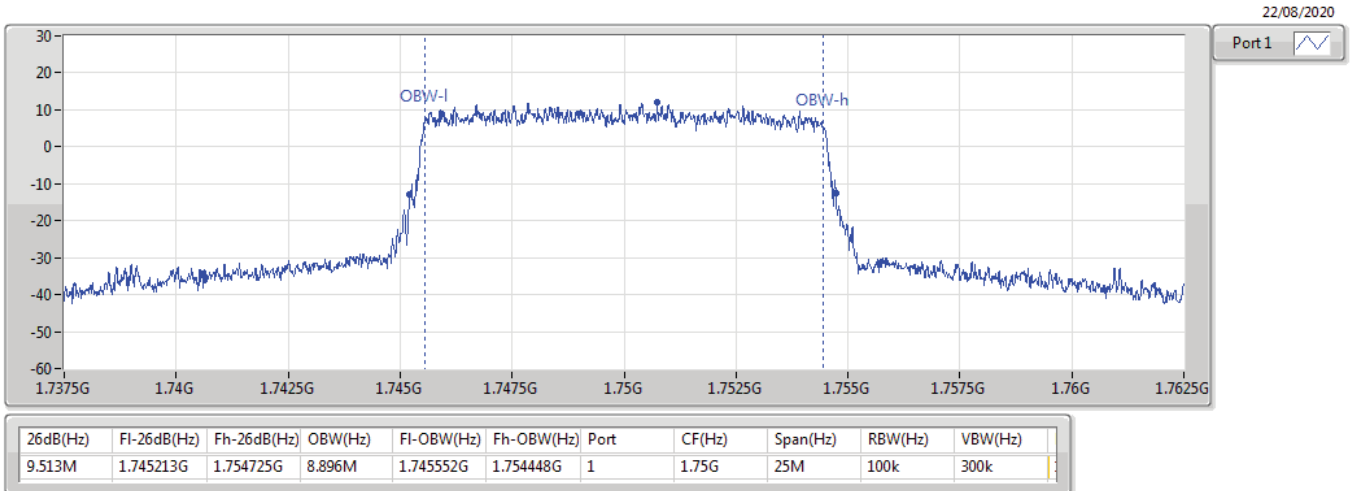
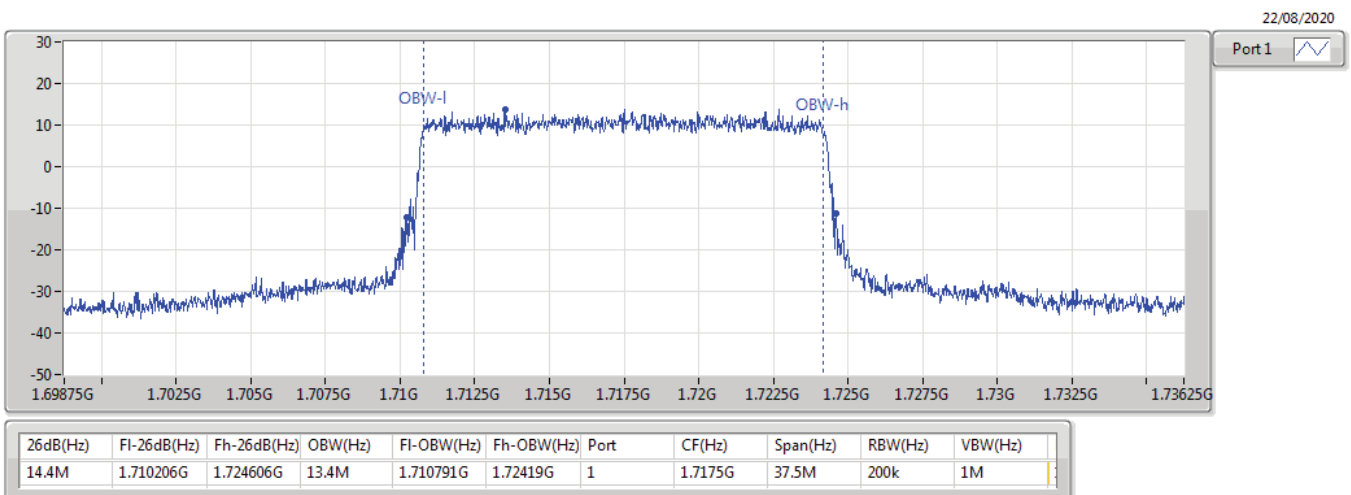
22/08/2020

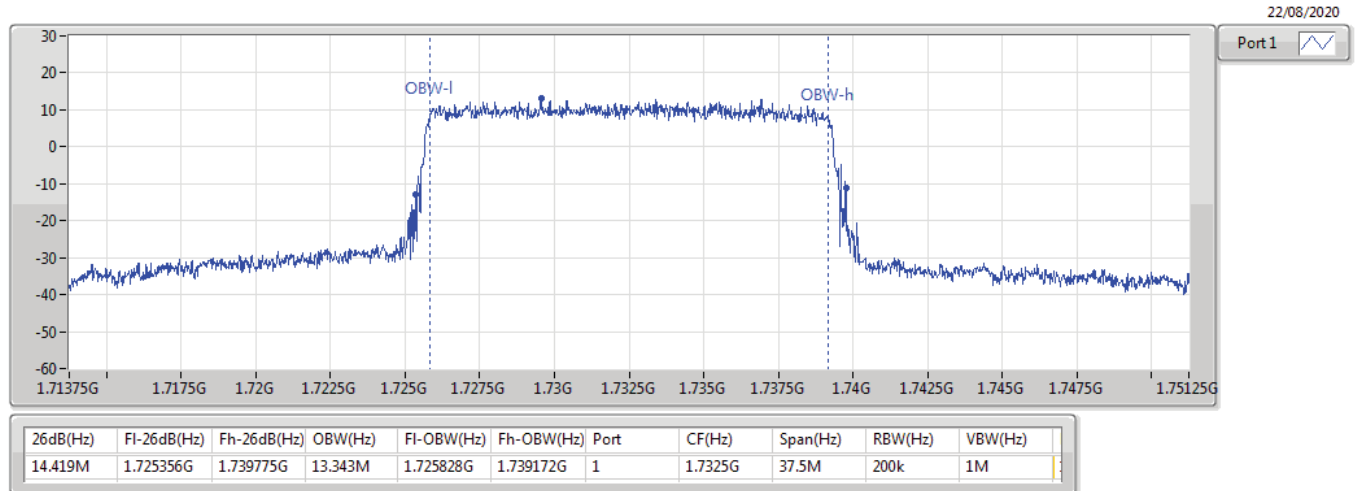
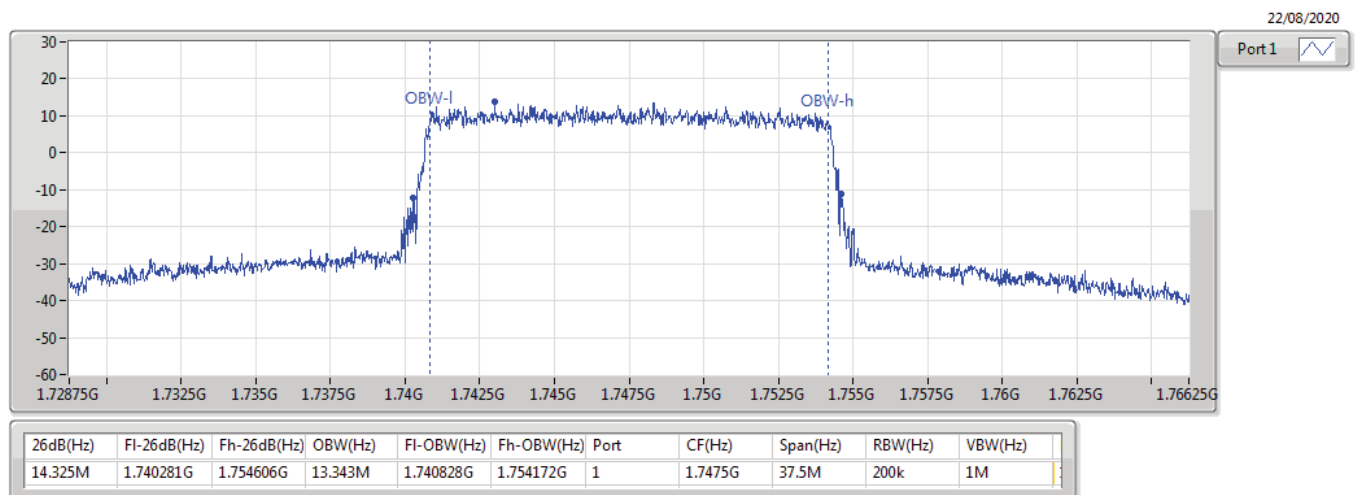


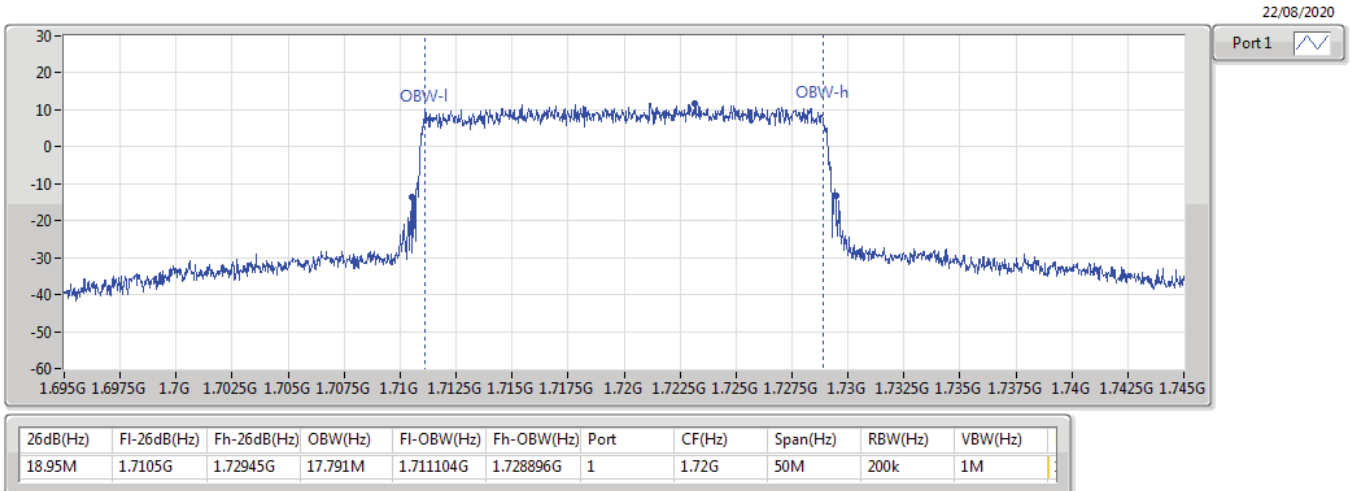
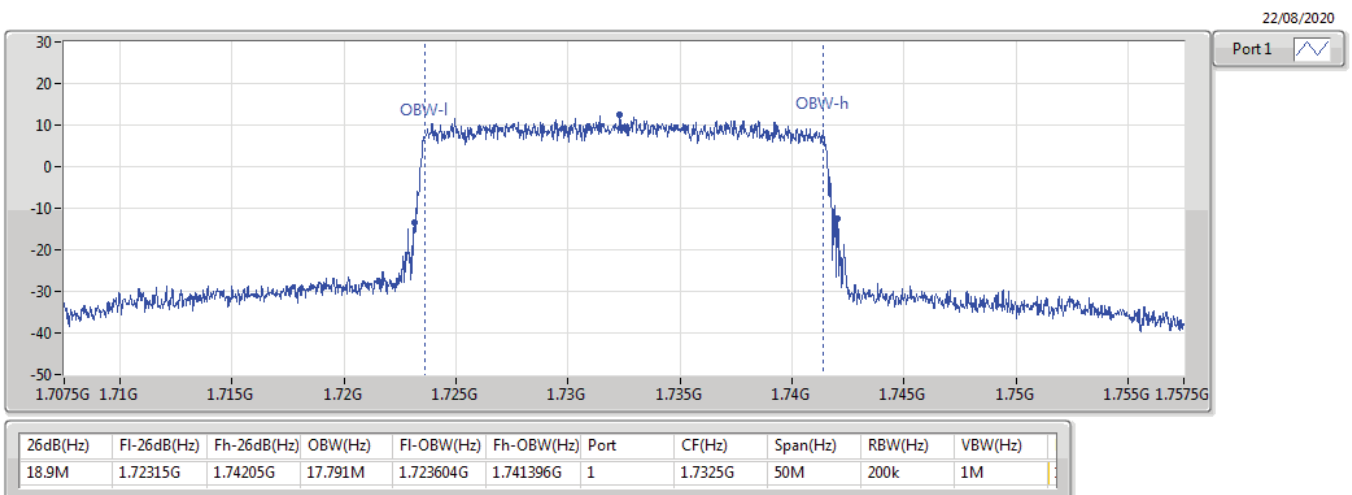
26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
4.8M	1.710131G	1.714931G	4.454M	1.710276G	1.71473G	1	1.7125G	12.5M	50k	200k

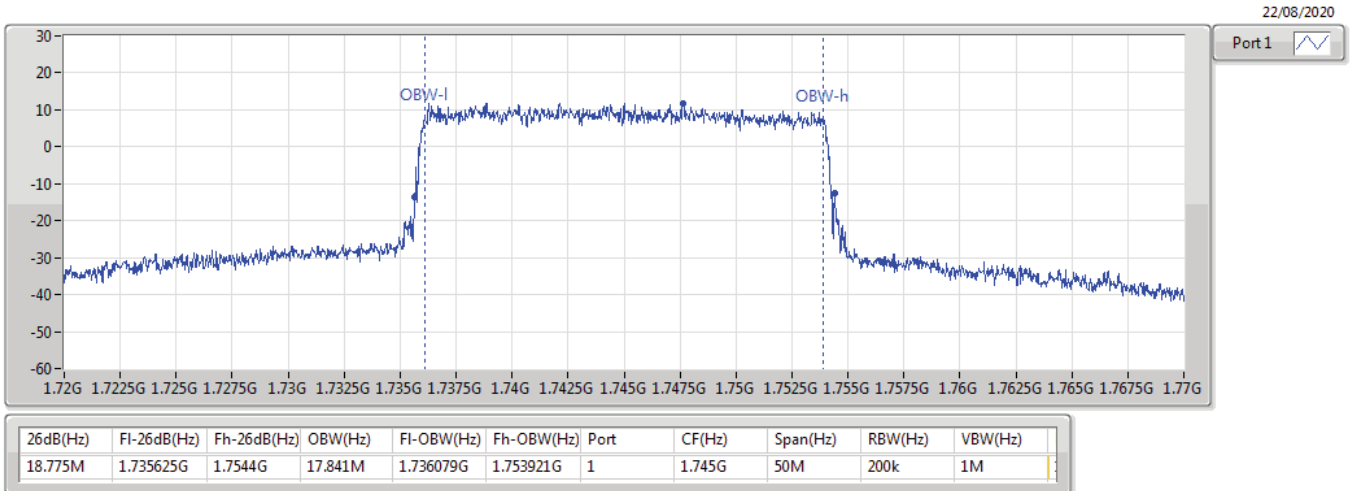
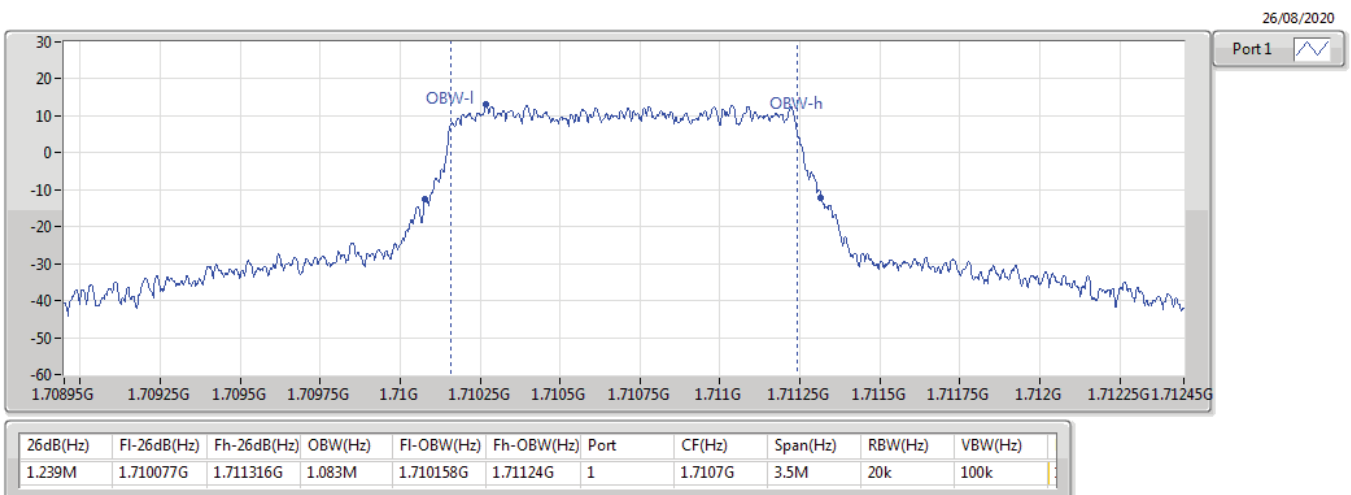
Band 4_LTE_5MHz_Nss1,QPSK_1TX
EBW
1732.5MHz_QPSK_RB 25,#RB 0

Band 4_LTE_5MHz_Nss1,QPSK_1TX
EBW
1752.5MHz_QPSK_RB 25,#RB 0


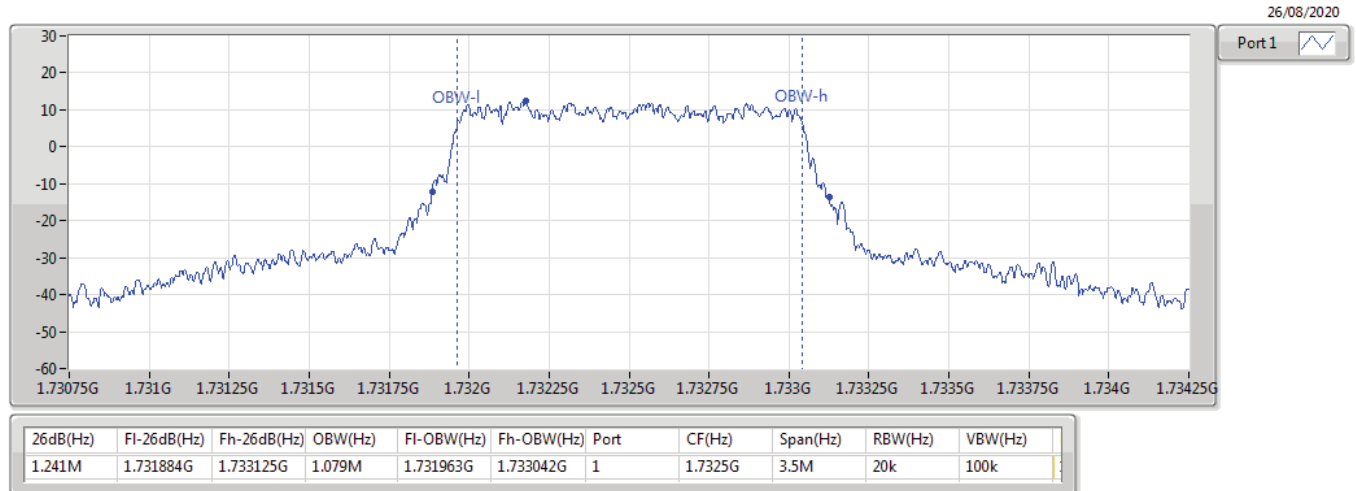
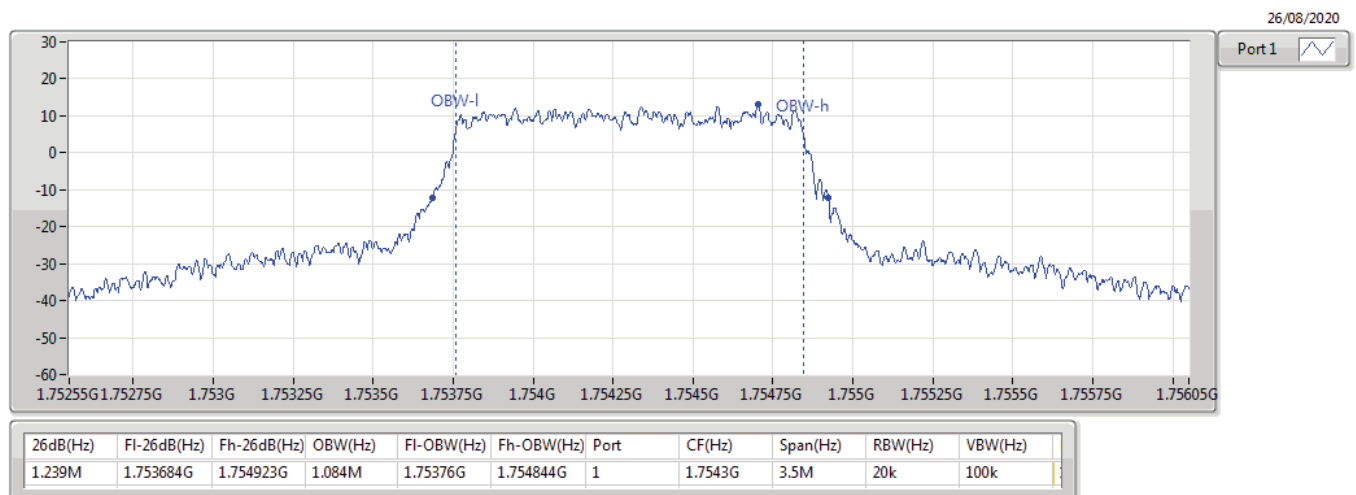
Band 4_LTE_10MHz_Nss1,QPSK_1TX
EBW
1715MHz_QPSK_RB 50,#RB 0

Band 4_LTE_10MHz_Nss1,QPSK_1TX
EBW
1732.5MHz_QPSK_RB 50,#RB 0


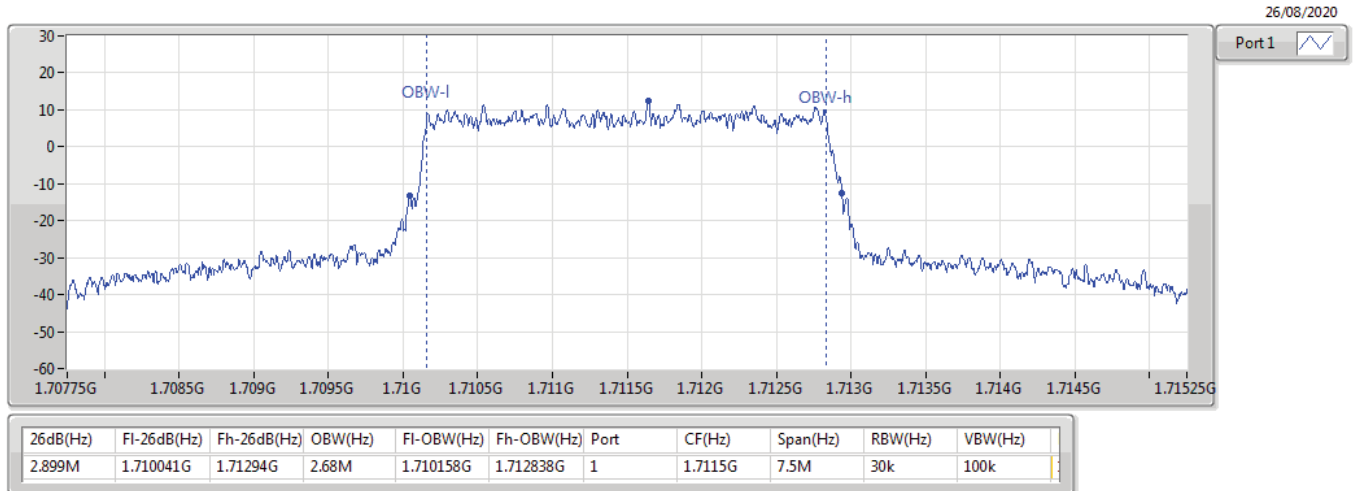
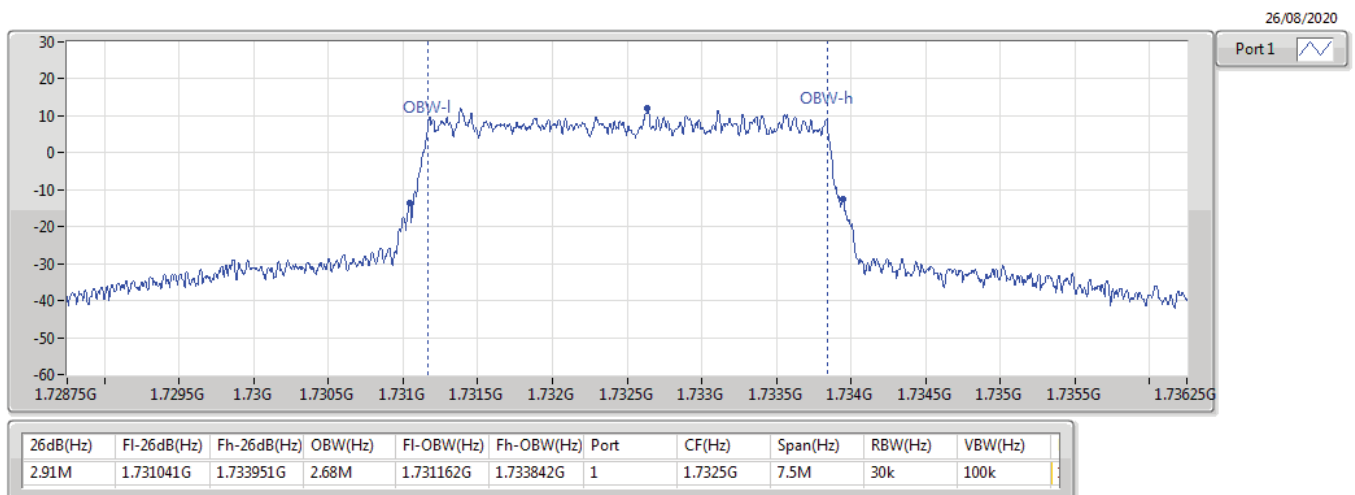
Band 4_LTE_10MHz_Nss1,QPSK_1TX
EBW
1750MHz_QPSK_RB 50,#RB 0

Band 4_LTE_15MHz_Nss1,QPSK_1TX
EBW
1717.5MHz_QPSK_RB 75,#RB 0


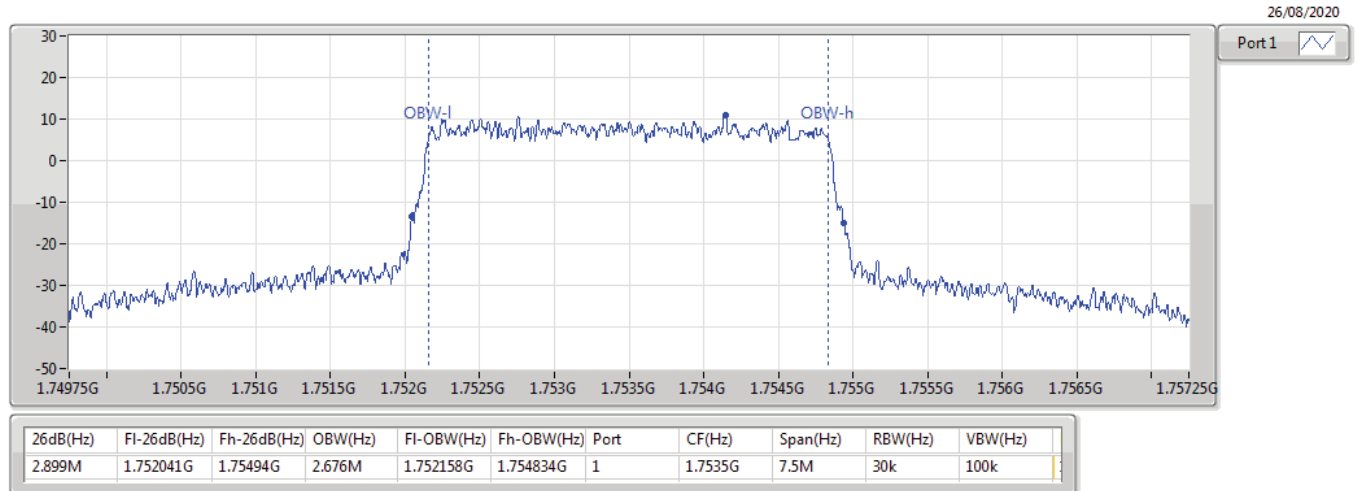
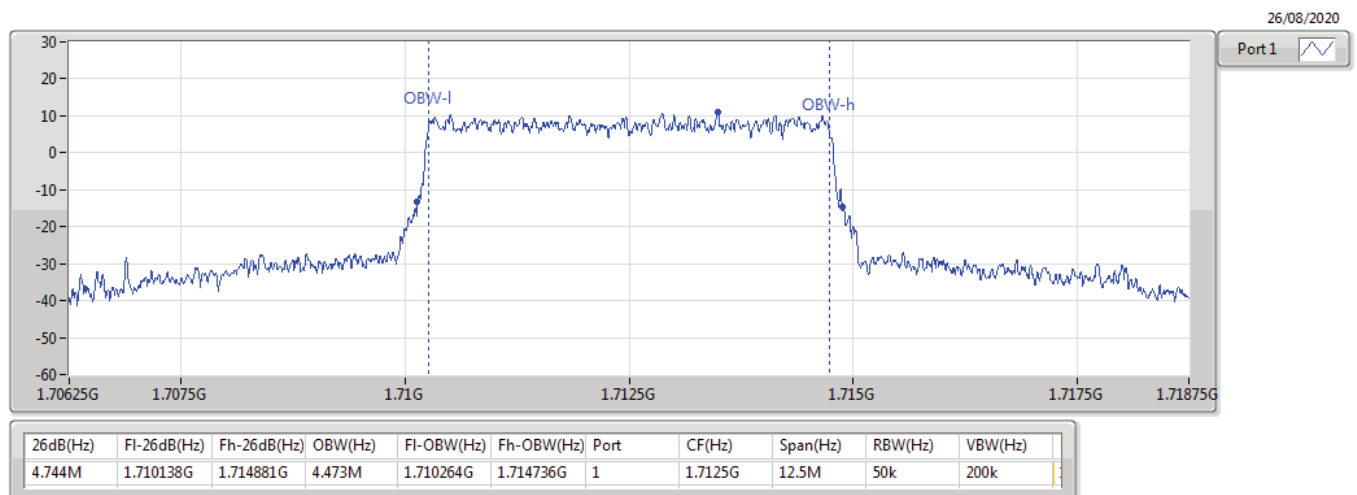
Band 4_LTE_15MHz_Nss1,QPSK_1TX
EBW
1732.5MHz_QPSK_RB 75,#RB 0

Band 4_LTE_15MHz_Nss1,QPSK_1TX
EBW
1747.5MHz_QPSK_RB 75,#RB 0


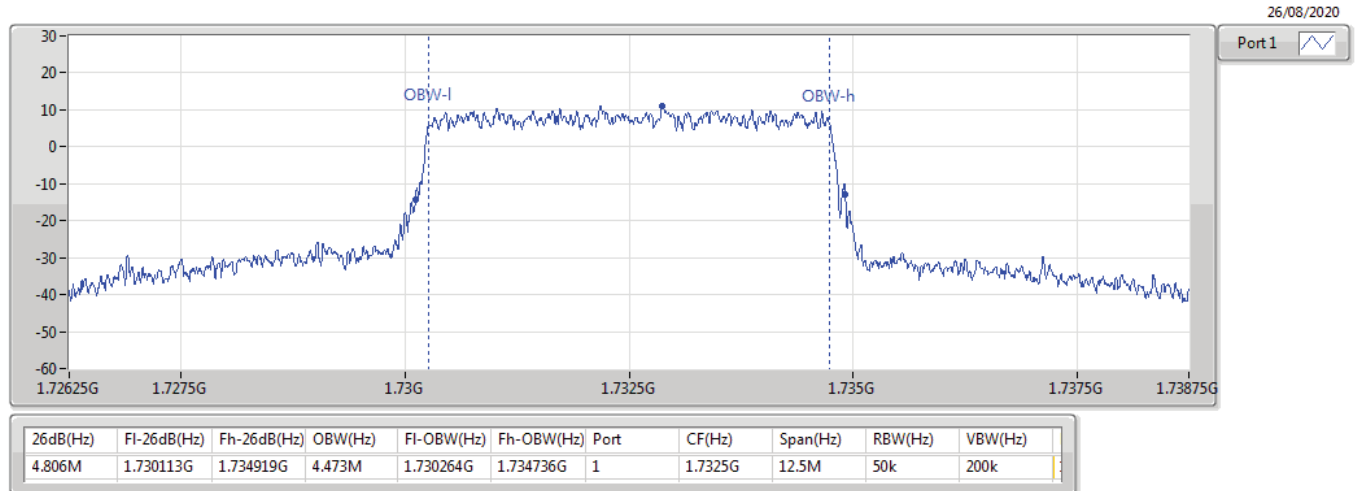
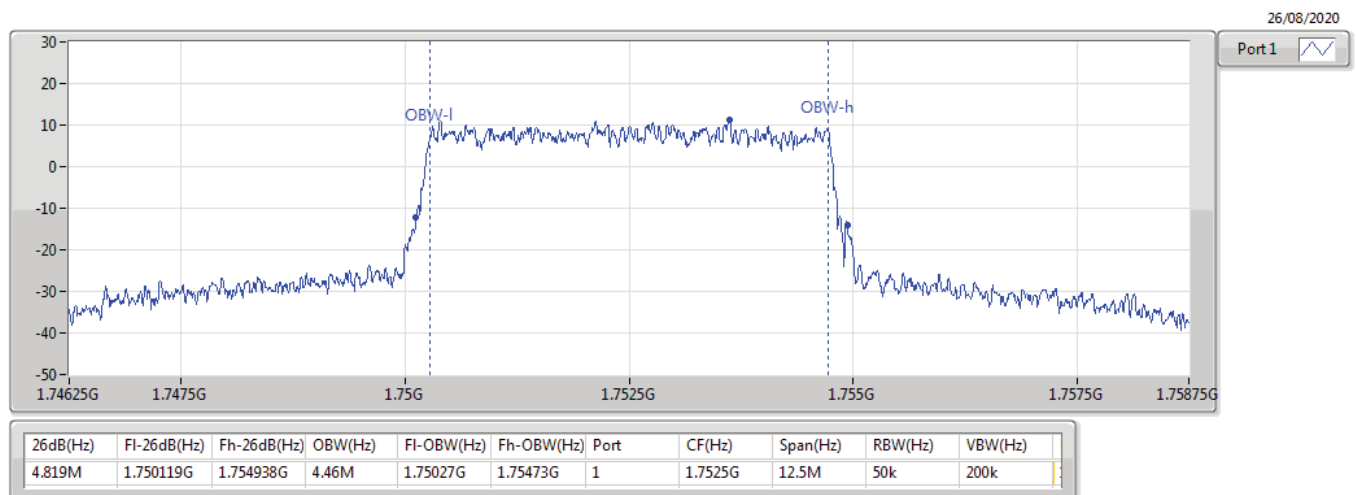
Band 4_LTE_20MHz_Nss1,QPSK_1TX
EBW
1720MHz_QPSK_RB 100,#RB 0

Band 4_LTE_20MHz_Nss1,QPSK_1TX
EBW
1732.5MHz_QPSK_RB 100,#RB 0


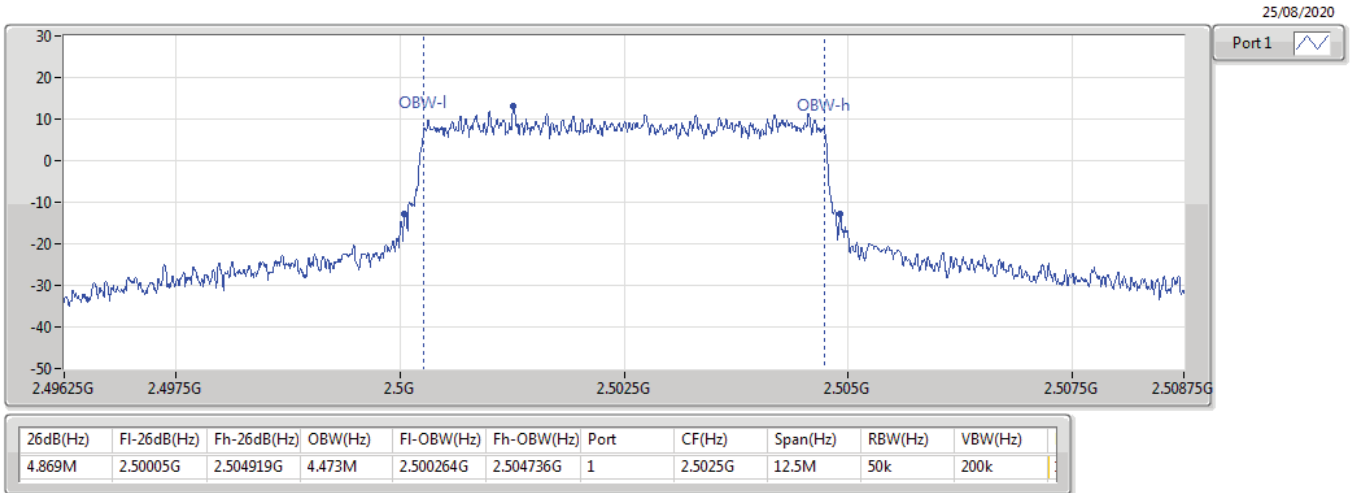
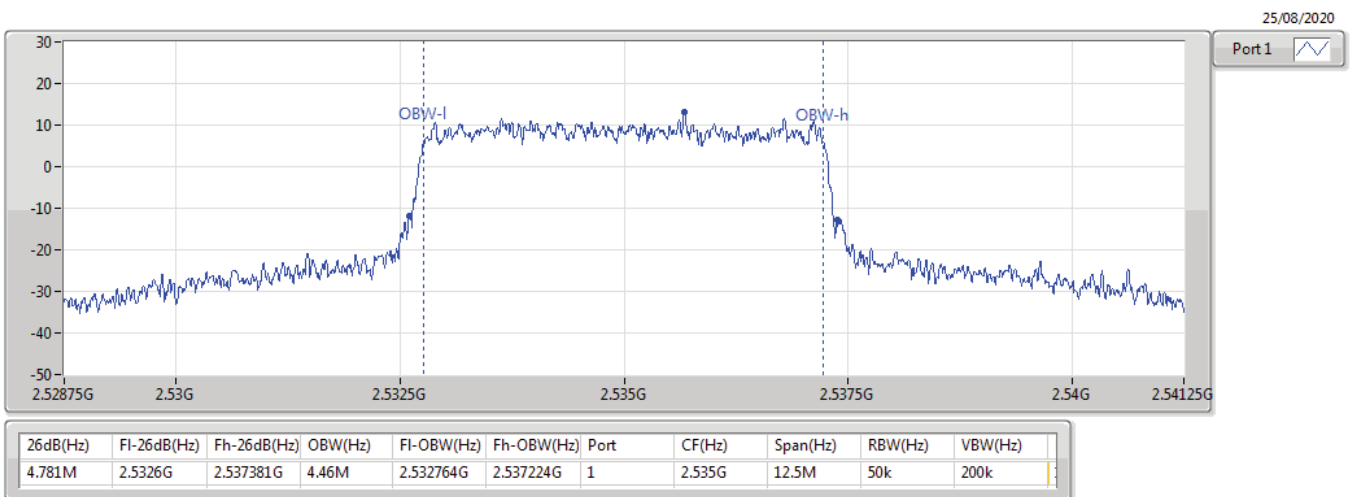
Band 4_LTE_20MHz_Nss1,QPSK_1TX
1745MHz_QPSK_RB 100,#RB 0
EBW

Band 4_LTE_1.4MHz_Nss1,16QAM_1TX
1710.7MHz_16QAM_RB 6,#RB 0
EBW


Band 4_LTE_1.4MHz_Nss1,16QAM_1TX
EBW
1732.5MHz_16QAM_RB 6,#RB 0

Band 4_LTE_1.4MHz_Nss1,16QAM_1TX
EBW
1754.3MHz_16QAM_RB 6,#RB 0


Band 4_LTE_3MHz_Nss1,16QAM_1TX
1711.5MHz_16QAM_RB 15,#RB 0
EBW

Band 4_LTE_3MHz_Nss1,16QAM_1TX
1732.5MHz_16QAM_RB 15,#RB 0
EBW


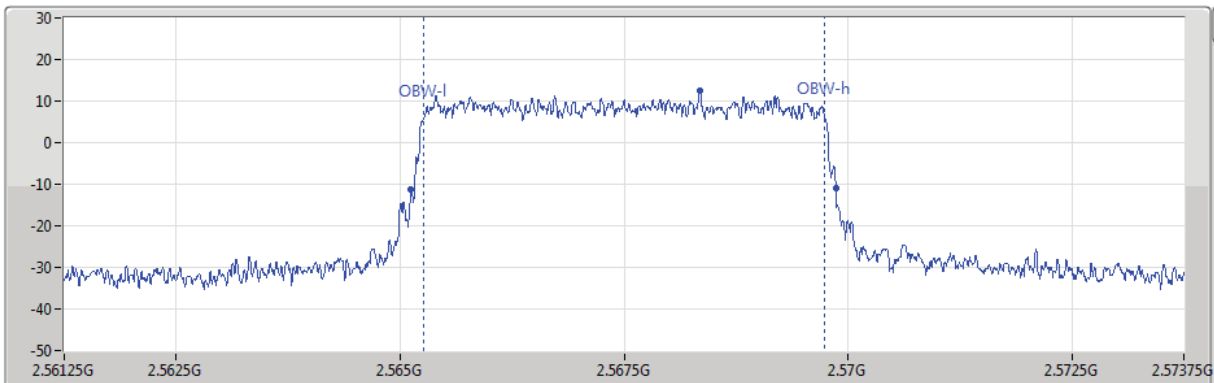
Band 4_LTE_3MHz_Nss1,16QAM_1TX
EBW
1753.5MHz_16QAM_RB 15,#RB 0

Band 4_LTE_5MHz_Nss1,16QAM_1TX
EBW
1712.5MHz_16QAM_RB 25,#RB 0


Band 4_LTE_5MHz_Nss1,16QAM_1TX
EBW
1732.5MHz_16QAM_RB 25,#RB 0

Band 4_LTE_5MHz_Nss1,16QAM_1TX
EBW
1752.5MHz_16QAM_RB 25,#RB 0


Band 7_LTE_5MHz_Nss1,QPSK_1TX
EBW
2502.5MHz_QPSK_RB 25,#RB 0

Band 7_LTE_5MHz_Nss1,QPSK_1TX
EBW
2535MHz_QPSK_RB 25,#RB 0


Band 7_LTE_5MHz_Nss1,QPSK_1TX
EBW
2567.5MHz_QPSK_RB 25,#RB 0

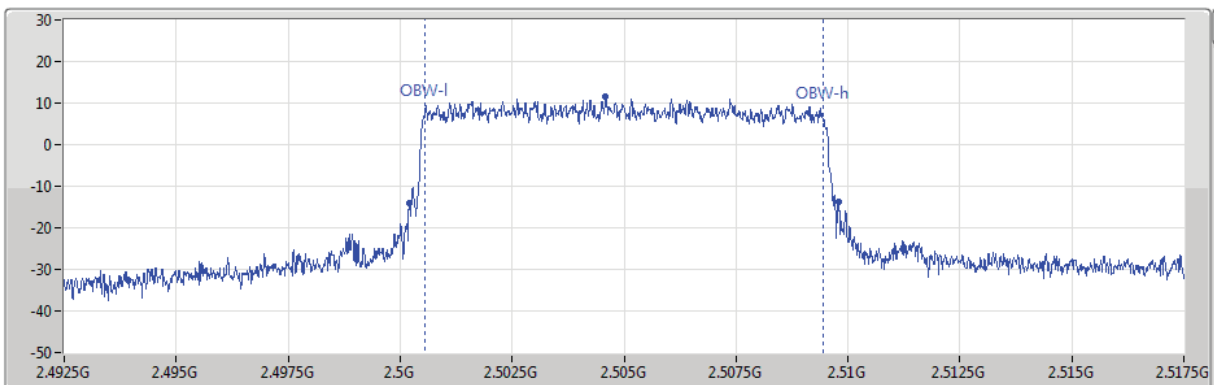
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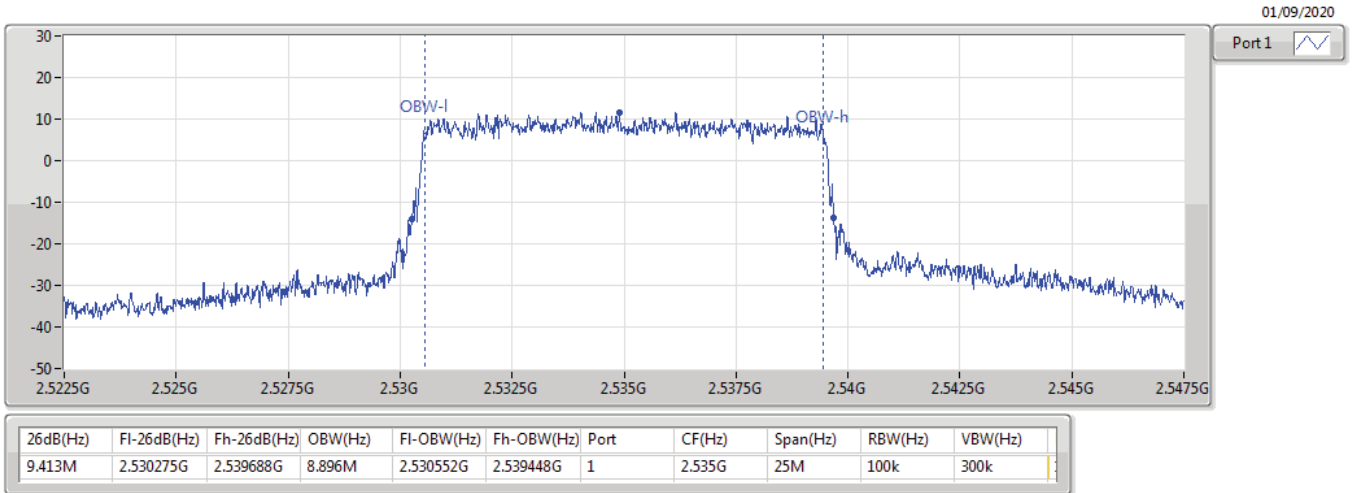
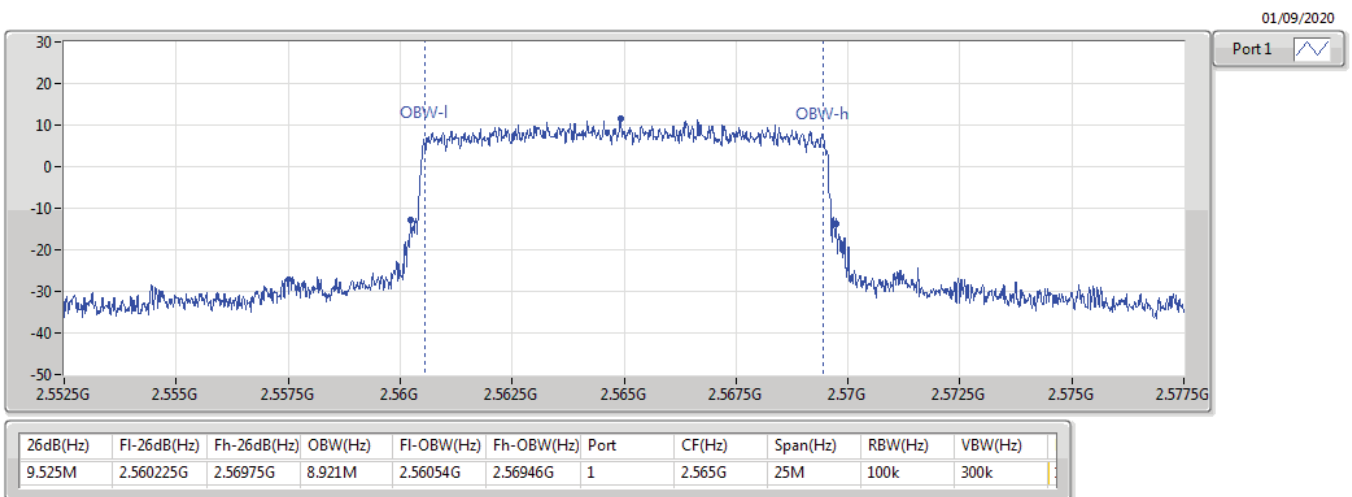
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
4.744M	2.565119G	2.569863G	4.473M	2.565264G	2.569736G	1	2.5675G	12.5M	50k	200k

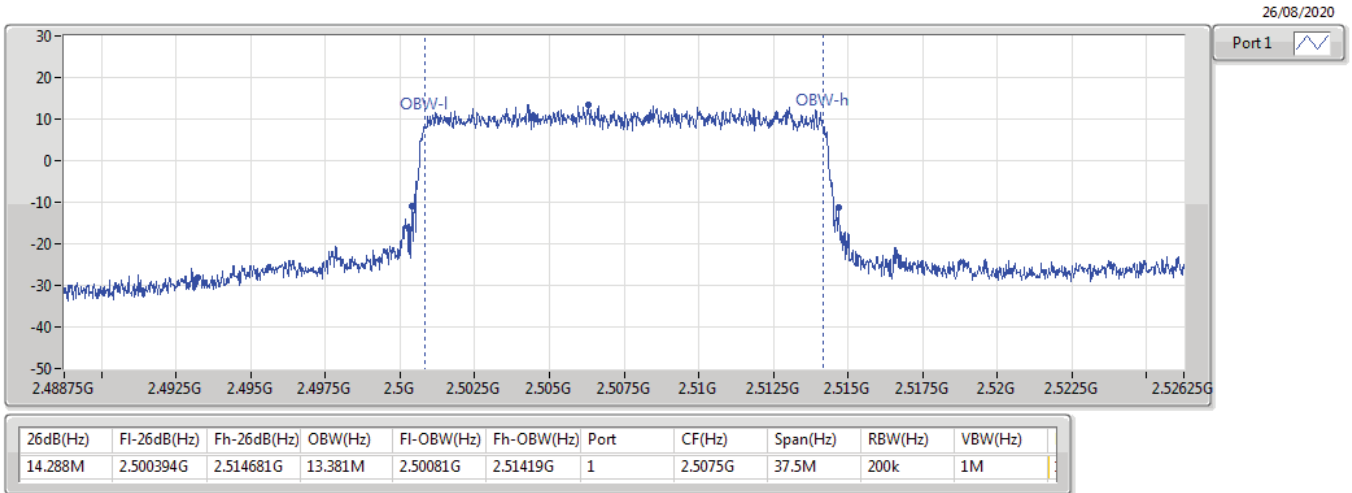
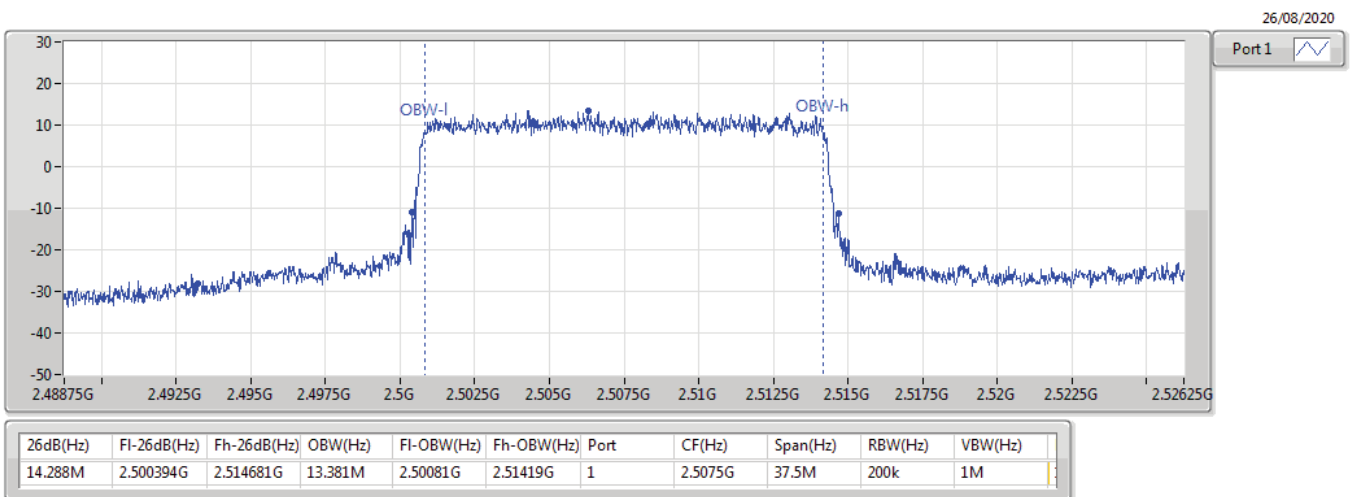
Band 7_LTE_10MHz_Nss1,QPSK_1TX
EBW
2505MHz_QPSK_RB 50,#RB 0

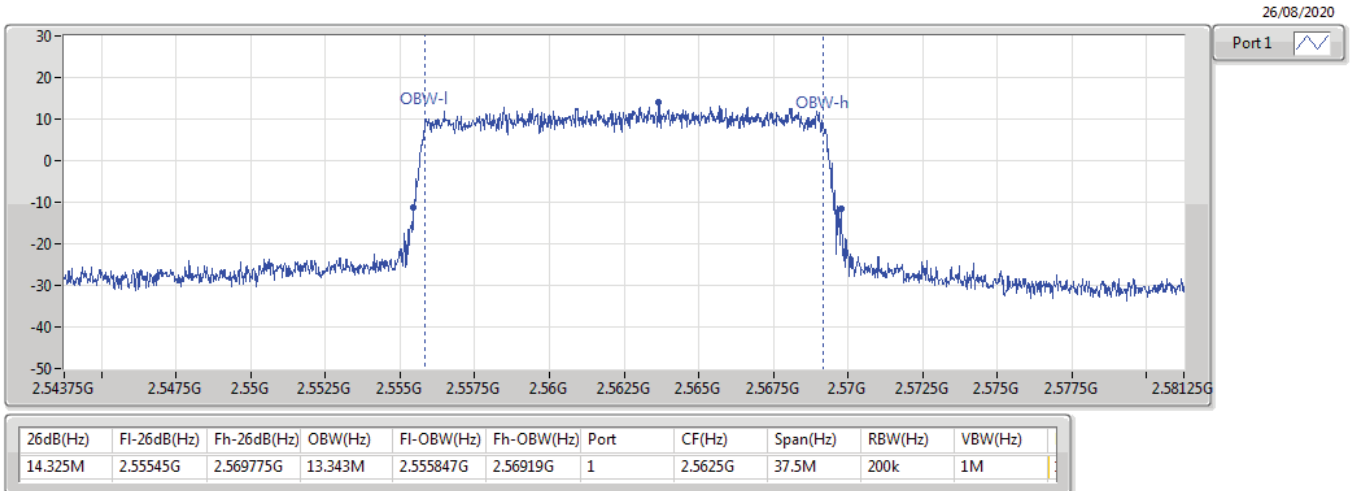
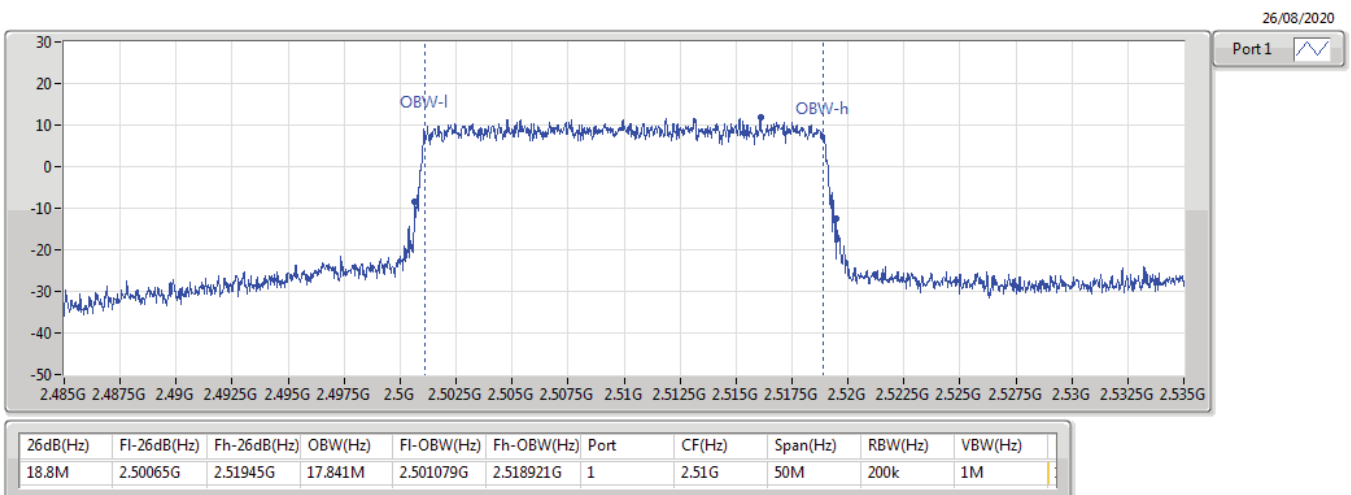
01/09/2020

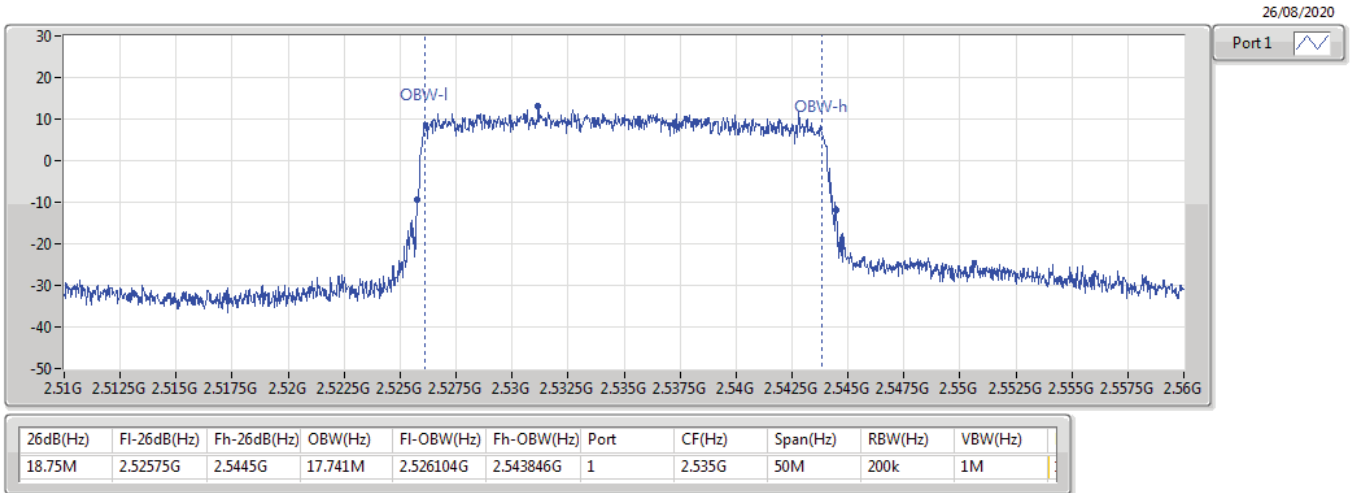
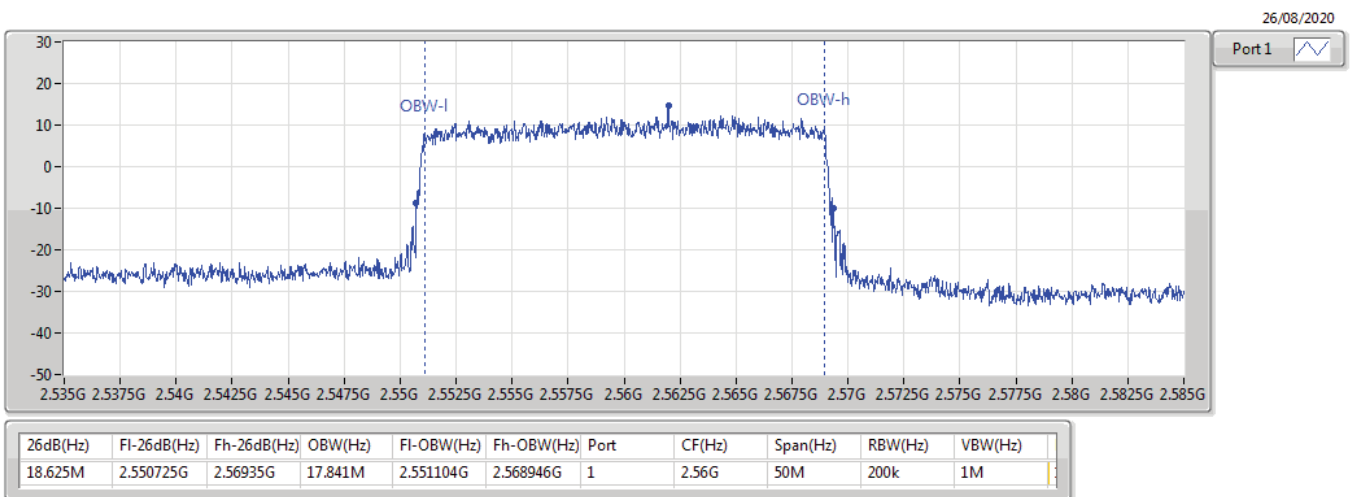


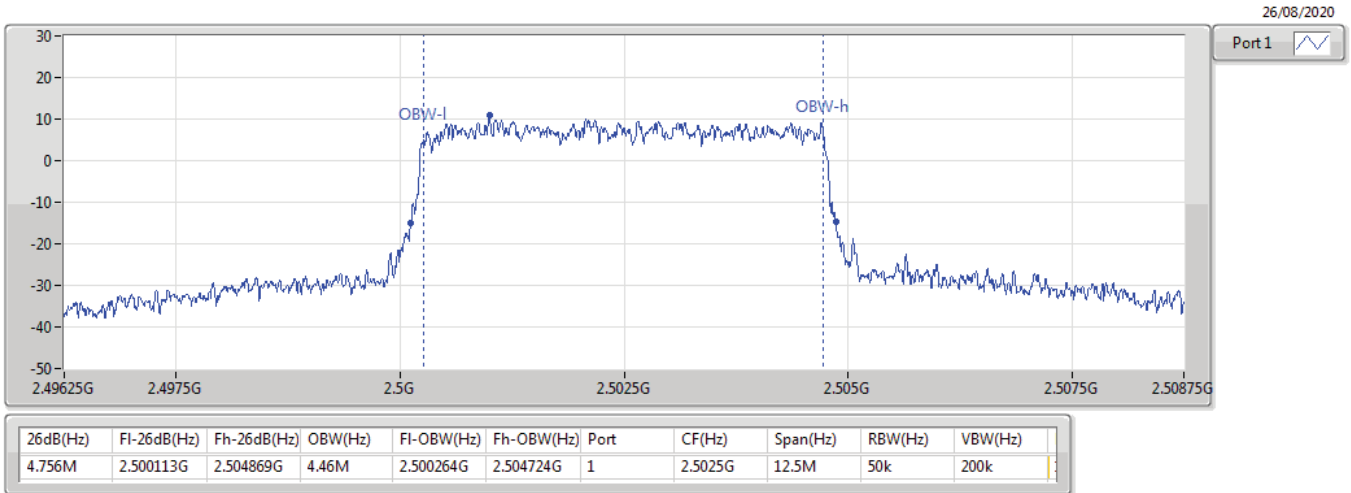
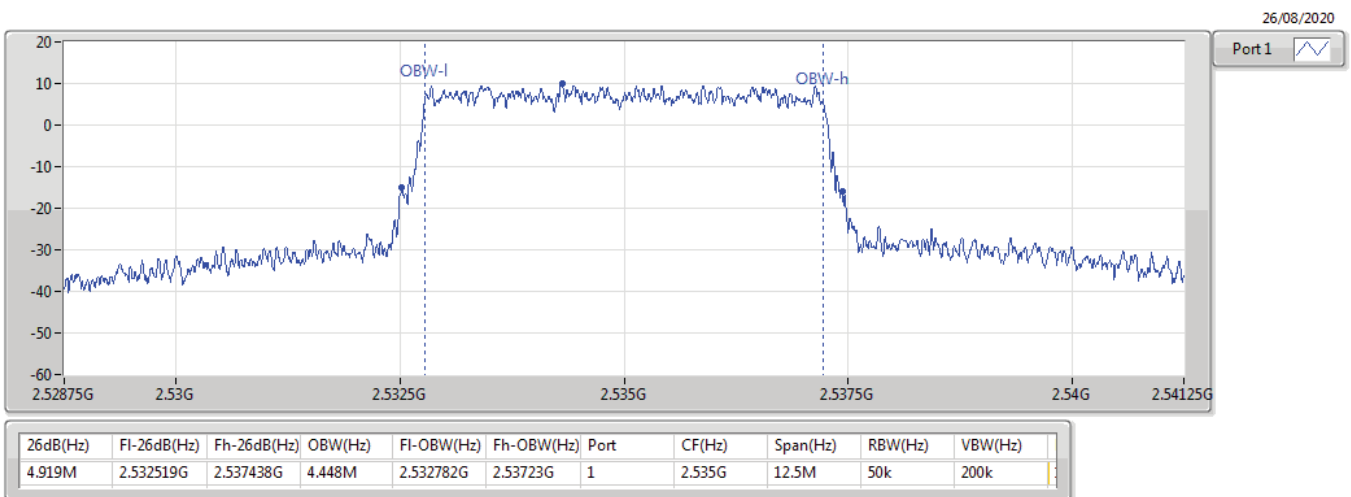
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.588M	2.5002G	2.509788G	8.921M	2.50054G	2.50946G	1	2.505G	25M	100k	300k

Band 7_LTE_10MHz_Nss1,QPSK_1TX
EBW
2535MHz_QPSK_RB 50,#RB 0

Band 7_LTE_10MHz_Nss1,QPSK_1TX
EBW
2565MHz_QPSK_RB 50,#RB 0


Band 7_LTE_15MHz_Nss1,QPSK_1TX
EBW
2507.5MHz_QPSK_RB 75,#RB 0

Band 7_LTE_15MHz_Nss1,QPSK_1TX
EBW
2535MHz_QPSK_RB 75,#RB 0


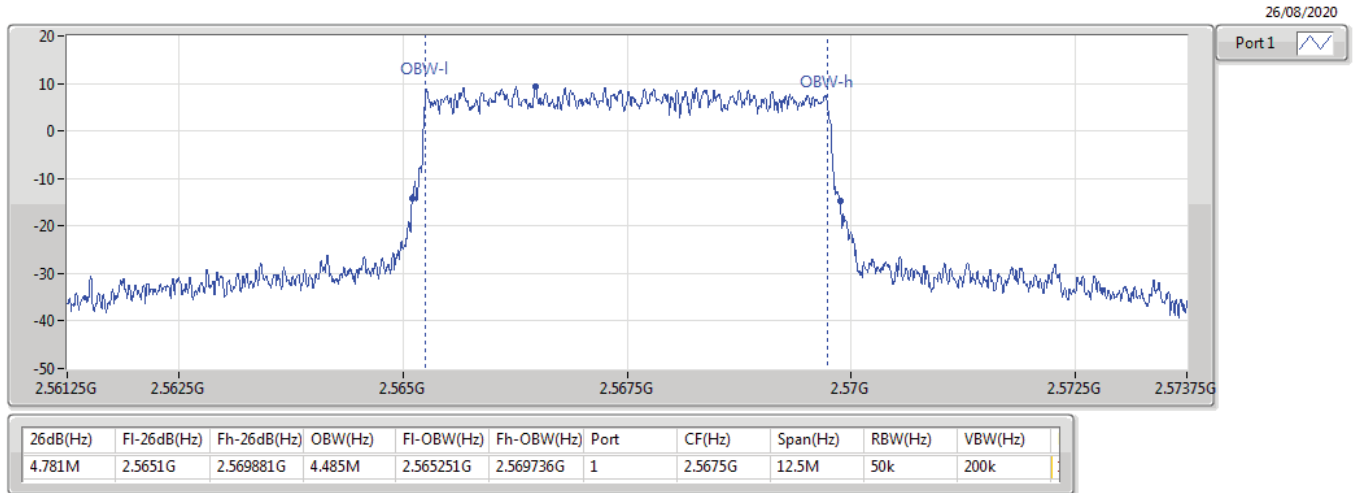
Band 7_LTE_15MHz_Nss1,QPSK_1TX
EBW
2562.5MHz_QPSK_RB 75,#RB 0

Band 7_LTE_20MHz_Nss1,QPSK_1TX
EBW
2510MHz_QPSK_RB 100,#RB 0


Band 7_LTE_20MHz_Nss1,QPSK_1TX
EBW
2535MHz_QPSK_RB 100,#RB 0

Band 7_LTE_20MHz_Nss1,QPSK_1TX
EBW
2560MHz_QPSK_RB 100,#RB 0


Band 7_LTE_5MHz_Nss1,16QAM_1TX
EBW
2502.5MHz_16QAM_RB 25,#RB 0

Band 7_LTE_5MHz_Nss1,16QAM_1TX
EBW
2535MHz_16QAM_RB 25,#RB 0


Band 7_LTE_5MHz_Nss1,16QAM_1TX
2567.5MHz_16QAM_RB 25,#RB 0

EBW



**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark	Ref.Limit (dB)
850	-	-	-	-	-	-	-	-	-	-	-	-
GPRS_200kHz_Nss1_1TX	Pass	823.9M	824M	2k	10k	Peak	823.97M	-16.04	-13.00	-3.04	-	-
EGPRS_200kHz_Nss1_1TX	Pass	849M	849.1M	2k	10k	Peak	849.01M	-24.92	-13.00	-11.92	-	-
1900	-	-	-	-	-	-	-	-	-	-	-	-
GPRS_200kHz_Nss1_1TX	Pass	1.91G	1.911G	2k	10k	Peak	1.91002G	-18.46	-13.00	-5.46	-	-
EGPRS_200kHz_Nss1_1TX	Pass	1.849G	1.85G	2k	10k	Peak	1.84999G	-22.17	-13.00	-9.17	-	-



Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark	Ref.Limit (dB)
850_GPRS_200kHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-	-
824.2MHz	Pass	9k	150k	200	1k	Peak	9.916k	-61.37	-13.00	-48.37	-	-
824.2MHz	Pass	150k	30M	10k	30k	Peak	172.388k	-67.84	-13.00	-54.84	-	-
824.2MHz	Pass	30M	500M	100k	300k	Peak	429.27M	-57.61	-13.00	-44.61	-	-
824.2MHz	Pass	500M	823.6M	100k	300k	Peak	775.22M	-56.47	-13.00	-43.47	-	-
824.2MHz	Pass	823.6M	823.9M	2k	10k	Peak	823.85M	-26.32	-13.00	-13.32	MBW 100k	-
824.2MHz	Pass	823.9M	824M	2k	10k	Peak	823.97M	-16.04	-13.00	-3.04	-	-
824.2MHz	Pass	849M	849.1M	2k	10k	Peak	849.08M	-73.87	-13.00	-60.87	-	-
824.2MHz	Pass	849.1M	849.4M	2k	10k	Peak	849.15M	-61.36	-13.00	-48.36	MBW 100k	-
824.2MHz	Pass	849.4M	2G	100k	300k	Peak	1.64849G	-26.65	-13.00	-13.65	-	-
824.2MHz	Pass	2G	10G	100k	300k	Peak	2.472G	-35.46	-13.00	-22.46	-	-
836.4MHz	Pass	9k	150k	200	1k	Peak	9.916k	-61.17	-13.00	-48.17	-	-
836.4MHz	Pass	150k	30M	10k	30k	Peak	18.612M	-68.05	-13.00	-55.05	-	-
836.4MHz	Pass	30M	500M	100k	300k	Peak	237.51M	-57.76	-13.00	-44.76	-	-
836.4MHz	Pass	500M	823.6M	100k	300k	Peak	751.52M	-56.59	-13.00	-43.59	-	-
836.4MHz	Pass	823.6M	823.9M	2k	10k	Peak	823.85M	-62.25	-13.00	-49.25	MBW 100k	-
836.4MHz	Pass	823.9M	824M	2k	10k	Peak	823.92M	-75.38	-13.00	-62.38	-	-
836.4MHz	Pass	849M	849.1M	2k	10k	Peak	849.06M	-72.70	-13.00	-59.70	-	-
836.4MHz	Pass	849.1M	849.4M	2k	10k	Peak	849.25M	-61.25	-13.00	-48.25	MBW 100k	-
836.4MHz	Pass	849.4M	2G	100k	300k	Peak	1.67294G	-25.87	-13.00	-12.87	-	-
836.4MHz	Pass	2G	10G	100k	300k	Peak	2.509G	-38.39	-13.00	-25.39	-	-
848.8MHz	Pass	9k	150k	200	1k	Peak	9.987k	-61.55	-13.00	-48.55	-	-
848.8MHz	Pass	150k	30M	10k	30k	Peak	187.312k	-66.98	-13.00	-53.98	-	-
848.8MHz	Pass	30M	500M	100k	300k	Peak	332.8M	-57.68	-13.00	-44.68	-	-
848.8MHz	Pass	500M	823.6M	100k	300k	Peak	716.73M	-56.90	-13.00	-43.90	-	-
848.8MHz	Pass	823.6M	823.9M	2k	10k	Peak	823.75M	-62.06	-13.00	-49.06	MBW 100k	-
848.8MHz	Pass	823.9M	824M	2k	10k	Peak	823.97M	-74.98	-13.00	-61.98	-	-
848.8MHz	Pass	849M	849.1M	2k	10k	Peak	849M	-16.95	-13.00	-3.95	-	-
848.8MHz	Pass	849.1M	849.4M	2k	10k	Peak	849.15M	-26.79	-13.00	-13.79	MBW 100k	-
848.8MHz	Pass	849.4M	2G	100k	300k	Peak	1.9557G	-54.08	-13.00	-41.08	-	-
848.8MHz	Pass	2G	10G	100k	300k	Peak	2.546G	-38.80	-13.00	-25.80	-	-
1900_GPRS_200kHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-	-
1850.2MHz	Pass	9k	150k	200	1k	Peak	9.67k	-70.77	-13.00	-57.77	-	-
1850.2MHz	Pass	150k	30M	10k	30k	Peak	20M	-67.26	-13.00	-54.26	-	-
1850.2MHz	Pass	30M	1.5G	1M	3M	Peak	1.14885G	-45.93	-13.00	-32.93	-	-
1850.2MHz	Pass	1.5G	1.844G	1M	3M	Peak	1.84318G	-43.02	-13.00	-30.02	-	-
1850.2MHz	Pass	1.844G	1.849G	2k	10k	Peak	1.8485G	-39.43	-13.00	-26.43	MBW 1M	-
1850.2MHz	Pass	1.849G	1.85G	2k	10k	Peak	1.84998G	-18.87	-13.00	-5.87	-	-
1850.2MHz	Pass	1.91G	1.911G	2k	10k	Peak	1.91027G	-72.46	-13.00	-59.46	-	-
1850.2MHz	Pass	1.911G	1.916G	2k	10k	Peak	1.9135G	-50.68	-13.00	-37.68	MBW 1M	-
1850.2MHz	Pass	1.916G	5G	1M	3M	Peak	3.70087G	-37.67	-13.00	-24.67	-	-
1850.2MHz	Pass	5G	20G	1M	3M	Peak	19.88563G	-31.72	-13.00	-18.72	-	-
1880MHz	Pass	9k	150k	200	1k	Peak	9.776k	-70.65	-13.00	-57.65	-	-
1880MHz	Pass	150k	30M	10k	30k	Peak	20.784M	-68.34	-13.00	-55.34	-	-
1880MHz	Pass	30M	1.5G	1M	3M	Peak	867.72M	-46.50	-13.00	-33.50	-	-
1880MHz	Pass	1.5G	1.844G	1M	3M	Peak	1.76871G	-44.91	-13.00	-31.91	-	-
1880MHz	Pass	1.844G	1.849G	2k	10k	Peak	1.8445G	-50.61	-13.00	-37.61	MBW 1M	-
1880MHz	Pass	1.849G	1.85G	2k	10k	Peak	1.84992G	-72.95	-13.00	-59.95	-	-
1880MHz	Pass	1.91G	1.911G	2k	10k	Peak	1.91033G	-72.57	-13.00	-59.57	-	-
1880MHz	Pass	1.911G	1.916G	2k	10k	Peak	1.9155G	-50.53	-13.00	-37.53	MBW 1M	-
1880MHz	Pass	1.916G	5G	1M	3M	Peak	3.76023G	-37.21	-13.00	-24.21	-	-
1880MHz	Pass	5G	20G	1M	3M	Peak	19.60063G	-31.83	-13.00	-18.83	-	-
1909.8MHz	Pass	9k	150k	200	1k	Peak	9.987k	-69.34	-13.00	-56.34	-	-



Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark	Ref.Limit (dB)
1909.8MHz	Pass	150k	30M	10k	30k	Peak	20.105M	-67.66	-13.00	-54.66	-	-
1909.8MHz	Pass	30M	1.5G	1M	3M	Peak	1.03328G	-45.72	-13.00	-32.72	-	-
1909.8MHz	Pass	1.5G	1.844G	1M	3M	Peak	1.6818G	-43.77	-13.00	-30.77	-	-
1909.8MHz	Pass	1.844G	1.849G	2k	10k	Peak	1.8445G	-50.57	-13.00	-37.57	MBW 1M	-
1909.8MHz	Pass	1.849G	1.85G	2k	10k	Peak	1.84976G	-73.38	-13.00	-60.38	-	-
1909.8MHz	Pass	1.91G	1.911G	2k	10k	Peak	1.91002G	-18.46	-13.00	-5.46	-	-
1909.8MHz	Pass	1.911G	1.916G	2k	10k	Peak	1.9115G	-39.27	-13.00	-26.27	MBW 1M	-
1909.8MHz	Pass	1.916G	5G	1M	3M	Peak	3.81998G	-39.91	-13.00	-26.91	-	-
1909.8MHz	Pass	5G	20G	1M	3M	Peak	19.97375G	-31.46	-13.00	-18.46	-	-
850_EGPRS_200kHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-	-
824.2MHz	Pass	9k	150k	200	1k	Peak	15.345k	-64.33	-13.00	-51.33	-	-
824.2MHz	Pass	150k	30M	10k	30k	Peak	157.462k	-55.38	-13.00	-42.38	-	-
824.2MHz	Pass	30M	500M	100k	300k	Peak	344.55M	-57.60	-13.00	-44.60	-	-
824.2MHz	Pass	500M	823.6M	100k	300k	Peak	822.87M	-34.16	-13.00	-21.16	-	-
824.2MHz	Pass	823.6M	823.9M	2k	10k	Peak	823.85M	-35.04	-13.00	-22.04	MBW 100k	-
824.2MHz	Pass	823.9M	824M	2k	10k	Peak	823.98M	-25.28	-13.00	-12.28	-	-
824.2MHz	Pass	849M	849.1M	2k	10k	Peak	849.07M	-75.10	-13.00	-62.10	-	-
824.2MHz	Pass	849.1M	849.4M	2k	10k	Peak	849.15M	-61.58	-13.00	-48.58	MBW 100k	-
824.2MHz	Pass	849.4M	2G	100k	300k	Peak	1.64849G	-41.16	-13.00	-28.16	-	-
824.2MHz	Pass	2G	10G	100k	300k	Peak	9.199G	-46.08	-13.00	-33.08	-	-
836.4MHz	Pass	9k	150k	200	1k	Peak	12.102k	-64.56	-13.00	-51.56	-	-
836.4MHz	Pass	150k	30M	10k	30k	Peak	150k	-50.81	-13.00	-37.81	-	-
836.4MHz	Pass	30M	500M	100k	300k	Peak	251.37M	-57.08	-13.00	-44.08	-	-
836.4MHz	Pass	500M	823.6M	100k	300k	Peak	822.47M	-56.52	-13.00	-43.52	-	-
836.4MHz	Pass	823.6M	823.9M	2k	10k	Peak	823.65M	-61.86	-13.00	-48.86	MBW 100k	-
836.4MHz	Pass	823.9M	824M	2k	10k	Peak	823.97M	-74.82	-13.00	-61.82	-	-
836.4MHz	Pass	849M	849.1M	2k	10k	Peak	849.03M	-75.64	-13.00	-62.64	-	-
836.4MHz	Pass	849.1M	849.4M	2k	10k	Peak	849.35M	-61.60	-13.00	-48.60	MBW 100k	-
836.4MHz	Pass	849.4M	2G	100k	300k	Peak	1.67294G	-36.72	-13.00	-23.72	-	-
836.4MHz	Pass	2G	10G	100k	300k	Peak	9.212G	-46.46	-13.00	-33.46	-	-
848.8MHz	Pass	9k	150k	200	1k	Peak	30.467k	-64.49	-13.00	-51.49	-	-
848.8MHz	Pass	150k	30M	10k	30k	Peak	187.312k	-54.09	-13.00	-41.09	-	-
848.8MHz	Pass	30M	500M	100k	300k	Peak	492.72M	-58.22	-13.00	-45.22	-	-
848.8MHz	Pass	500M	823.6M	100k	300k	Peak	762.68M	-57.12	-13.00	-44.12	-	-
848.8MHz	Pass	823.6M	823.9M	2k	10k	Peak	823.65M	-61.94	-13.00	-48.94	MBW 100k	-
848.8MHz	Pass	823.9M	824M	2k	10k	Peak	823.99M	-75.51	-13.00	-62.51	-	-
848.8MHz	Pass	849M	849.1M	2k	10k	Peak	849.01M	-24.92	-13.00	-11.92	-	-
848.8MHz	Pass	849.1M	849.4M	2k	10k	Peak	849.15M	-34.50	-13.00	-21.50	MBW 100k	-
848.8MHz	Pass	849.4M	2G	100k	300k	Peak	1.69768G	-35.26	-13.00	-22.26	-	-
848.8MHz	Pass	2G	10G	100k	300k	Peak	9.27G	-46.51	-13.00	-33.51	-	-
1900_EGPRS_200kHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-	-
1850.2MHz	Pass	9k	150k	200	1k	Peak	32.3k	-69.59	-13.00	-56.59	-	-
1850.2MHz	Pass	150k	30M	10k	30k	Peak	157.462k	-57.78	-13.00	-44.78	-	-
1850.2MHz	Pass	30M	1.5G	1M	3M	Peak	1.11541G	-46.03	-13.00	-33.03	-	-
1850.2MHz	Pass	1.5G	1.844G	1M	3M	Peak	1.84348G	-44.58	-13.00	-31.58	-	-
1850.2MHz	Pass	1.844G	1.849G	2k	10k	Peak	1.8485G	-41.51	-13.00	-28.51	MBW 1M	-
1850.2MHz	Pass	1.849G	1.85G	2k	10k	Peak	1.84999G	-22.17	-13.00	-9.17	-	-
1850.2MHz	Pass	1.91G	1.911G	2k	10k	Peak	1.91096G	-73.36	-13.00	-60.36	-	-
1850.2MHz	Pass	1.911G	1.916G	2k	10k	Peak	1.9145G	-50.09	-13.00	-37.09	MBW 1M	-
1850.2MHz	Pass	1.916G	5G	1M	3M	Peak	3.70087G	-39.24	-13.00	-26.24	-	-
1850.2MHz	Pass	5G	20G	1M	3M	Peak	19.49188G	-31.53	-13.00	-18.53	-	-
1880MHz	Pass	9k	150k	200	1k	Peak	9.599k	-68.45	-13.00	-55.45	-	-
1880MHz	Pass	150k	30M	10k	30k	Peak	194.775k	-62.03	-13.00	-49.03	-	-
1880MHz	Pass	30M	1.5G	1M	3M	Peak	1.30339G	-45.48	-13.00	-32.48	-	-



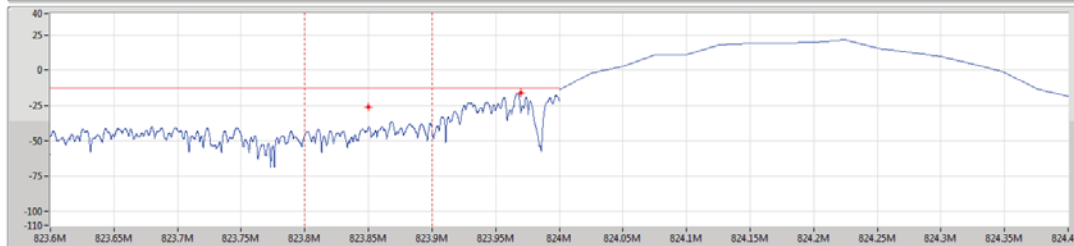
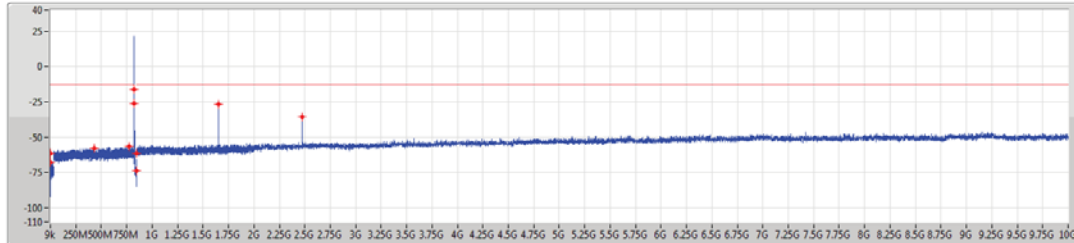
Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark	Ref.Limit (dB)
1880MHz	Pass	1.5G	1.844G	1M	3M	Peak	1.76338G	-44.79	-13.00	-31.79	-	-
1880MHz	Pass	1.844G	1.849G	2k	10k	Peak	1.8455G	-50.03	-13.00	-37.03	MBW 1M	-
1880MHz	Pass	1.849G	1.85G	2k	10k	Peak	1.84996G	-73.33	-13.00	-60.33	-	-
1880MHz	Pass	1.91G	1.911G	2k	10k	Peak	1.91019G	-72.74	-13.00	-59.74	-	-
1880MHz	Pass	1.911G	1.916G	2k	10k	Peak	1.9155G	-50.15	-13.00	-37.15	MBW 1M	-
1880MHz	Pass	1.916G	5G	1M	3M	Peak	4.98689G	-40.78	-13.00	-27.78	-	-
1880MHz	Pass	5G	20G	1M	3M	Peak	19.9325G	-31.17	-13.00	-18.17	-	-
1909.8MHz	Pass	9k	150k	200	1k	Peak	16.79k	-69.65	-13.00	-56.65	-	-
1909.8MHz	Pass	150k	30M	10k	30k	Peak	150k	-54.80	-13.00	-41.80	-	-
1909.8MHz	Pass	30M	1.5G	1M	3M	Peak	1.4186G	-45.67	-13.00	-32.67	-	-
1909.8MHz	Pass	1.5G	1.844G	1M	3M	Peak	1.83845G	-44.55	-13.00	-31.55	-	-
1909.8MHz	Pass	1.844G	1.849G	2k	10k	Peak	1.8475G	-50.12	-13.00	-37.12	MBW 1M	-
1909.8MHz	Pass	1.849G	1.85G	2k	10k	Peak	1.84927G	-72.39	-13.00	-59.39	-	-
1909.8MHz	Pass	1.91G	1.911G	2k	10k	Peak	1.91001G	-27.40	-13.00	-14.40	-	-
1909.8MHz	Pass	1.911G	1.916G	2k	10k	Peak	1.9115G	-42.62	-13.00	-29.62	MBW 1M	-
1909.8MHz	Pass	1.916G	5G	1M	3M	Peak	4.79646G	-40.84	-13.00	-27.84	-	-
1909.8MHz	Pass	5G	20G	1M	3M	Peak	19.37375G	-31.69	-13.00	-18.69	-	-

850_GPRS_200kHz_Nss1_1TX
824.2MHz

CSE-TX-Sum

04/09/2020

Limit
Port 1



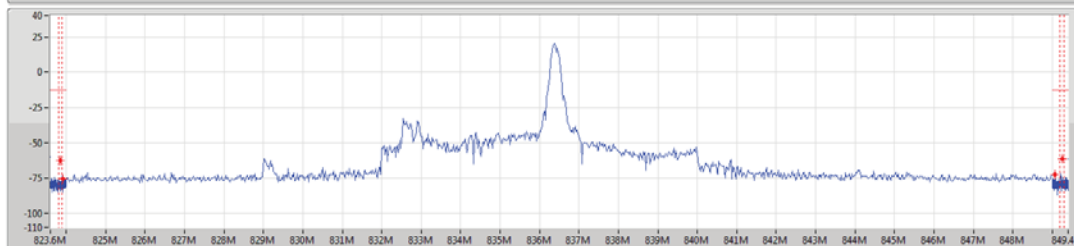
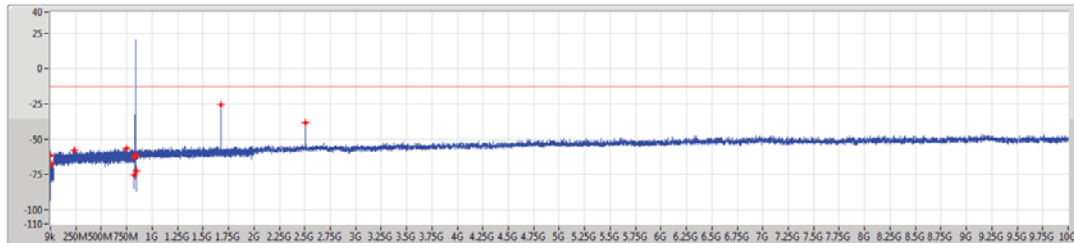
F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	200	1k	Peak	9.916k	-61.37	-13.00	-48.37	-	-
150k	30M	10k	30k	Peak	172.388k	-67.84	-13.00	-54.84	-	-
30M	500M	100k	300k	Peak	429.271M	-57.61	-13.00	-44.61	-	-
500M	823.6M	100k	300k	Peak	775.121M	-56.47	-13.00	-43.47	-	-
823.6M	823.9M	2k	10k	Peak	823.85M	-26.32	-13.00	-13.32	MBW 100k	-
823.9M	824M	2k	10k	Peak	823.97M	-16.04	-13.00	-3.04	-	-
849M	849.1M	2k	10k	Peak	849.08M	-73.87	-13.00	-60.87	-	-
849.1M	849.4M	2k	10k	Peak	849.15M	-61.36	-13.00	-48.36	MBW 100k	-
849.4M	2G	100k	300k	Peak	1.64849G	-26.65	-13.00	-13.65	-	-
2G	10G	100k	300k	Peak	2.472G	-35.46	-13.00	-22.46	-	-

850_GPRS_200kHz_Nss1_1TX
836.4MHz

CSE-TX-Sum

04/09/2020

Limit
Port 1



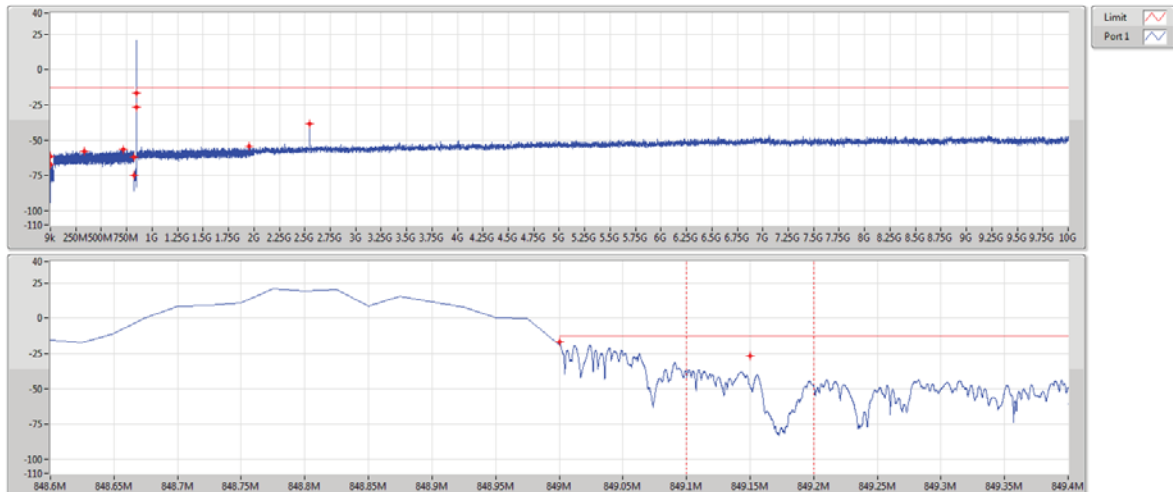
F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	200	1k	Peak	9.916k	-61.17	-13.00	-48.17	-	-
150k	30M	10k	30k	Peak	18.612M	-66.05	-13.00	-53.05	-	-
30M	500M	100k	300k	Peak	237.511M	-57.76	-13.00	-44.76	-	-
500M	823.6M	100k	300k	Peak	751.52M	-56.59	-13.00	-43.59	-	-
823.6M	823.9M	2k	10k	Peak	823.85M	-62.25	-13.00	-49.25	MBW 100k	-
823.9M	824M	2k	10k	Peak	823.92M	-75.38	-13.00	-62.38	-	-
849M	849.1M	2k	10k	Peak	849.06M	-72.70	-13.00	-59.70	-	-
849.1M	849.4M	2k	10k	Peak	849.25M	-61.25	-13.00	-48.25	MBW 100k	-
849.4M	2G	100k	300k	Peak	1.67294G	-25.87	-13.00	-12.87	-	-
2G	10G	100k	300k	Peak	2.509G	-38.39	-13.00	-25.39	-	-

850_GPRS_200kHz_Nss1_1TX

CSE-TX-Sum

848.8MHz

04/09/2020



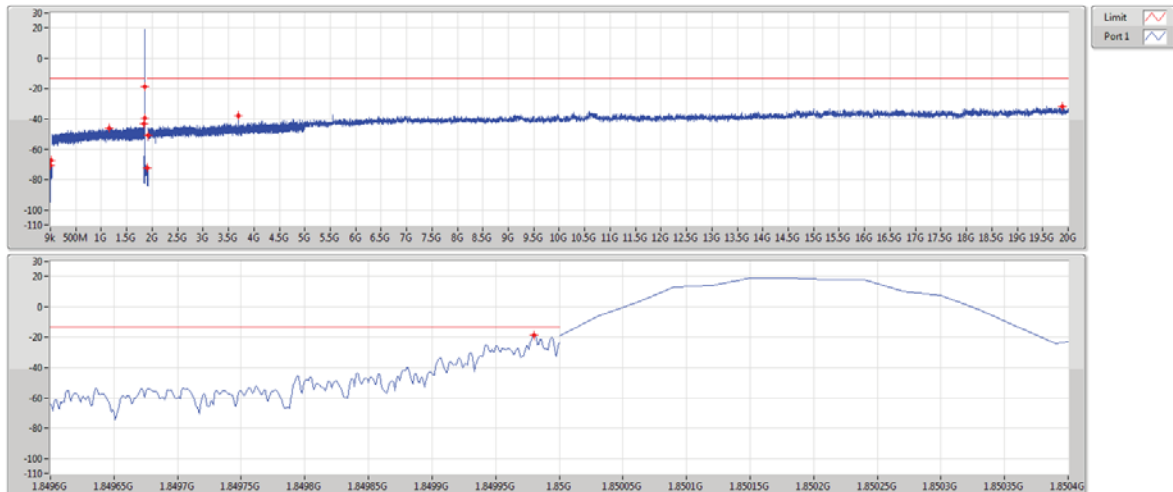
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	200	1k	Peak	9.987k	-61.55	-13.00	-48.55	-	-
150k	30M	10k	30k	Peak	187.312k	-66.98	-13.00	-53.98	-	-
30M	500M	100k	300k	Peak	332.8M	-57.68	-13.00	-44.68	-	-
500M	823.6M	100k	300k	Peak	716.73M	-56.90	-13.00	-43.90	-	-
823.6M	823.9M	2k	10k	Peak	823.75M	-62.06	-13.00	-49.06	MBW 100k	-
823.9M	824M	2k	10k	Peak	823.97M	-74.98	-13.00	-61.98	-	-
849M	849.1M	2k	10k	Peak	849M	-16.95	-13.00	-3.95	-	-
849.1M	849.4M	2k	10k	Peak	849.15M	-26.79	-13.00	-13.79	MBW 100k	-
849.4M	2G	100k	300k	Peak	1.9557G	-54.08	-13.00	-41.08	-	-
2G	10G	100k	300k	Peak	2.546G	-38.80	-13.00	-25.80	-	-

1900_GPRS_200kHz_Nss1_1TX

CSE-TX-Sum

1850.2MHz

04/09/2020



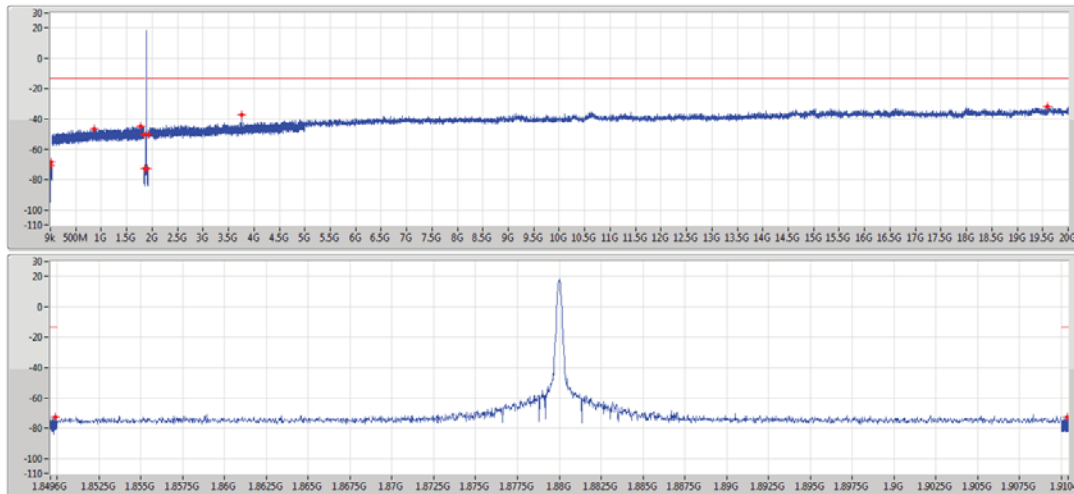
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	200	1k	Peak	9.67k	-70.77	-13.00	-57.77	-	-
150k	30M	10k	30k	Peak	20M	-67.26	-13.00	-54.26	-	-
30M	1.5G	1M	3M	Peak	1.14885G	-45.93	-13.00	-32.93	-	-
1.5G	1.844G	1M	3M	Peak	1.84318G	-43.02	-13.00	-30.02	-	-
1.844G	1.849G	2k	10k	Peak	1.8485G	-39.43	-13.00	-26.43	MBW 1M	-
1.849G	1.85G	2k	10k	Peak	1.84998G	-18.87	-13.00	-5.87	-	-
1.91G	1.911G	2k	10k	Peak	1.91027G	-72.46	-13.00	-59.46	-	-
1.911G	1.916G	2k	10k	Peak	1.9135G	-50.68	-13.00	-37.68	MBW 1M	-
1.916G	5G	1M	3M	Peak	3.70087G	-37.67	-13.00	-24.67	-	-
5G	20G	1M	3M	Peak	19.88563G	-31.72	-13.00	-18.72	-	-

1900_GPRS_200kHz_Nss1_1TX

CSE-TX-Sum

1880MHz

04/09/2020



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	200	1k	Peak	9.776k	-70.65	-13.00	-57.65	-	-
150k	30M	10k	30k	Peak	20.784M	-68.34	-13.00	-55.34	-	-
30M	1.5G	1M	3M	Peak	867.72M	-46.50	-13.00	-33.50	-	-
1.5G	1.844G	1M	3M	Peak	1.78871G	-44.91	-13.00	-31.91	-	-
1.844G	1.849G	2k	10k	Peak	1.8445G	-50.61	-13.00	-37.61	MBW 1M	-
1.849G	1.85G	2k	10k	Peak	1.84992G	-72.95	-13.00	-59.95	-	-
1.91G	1.911G	2k	10k	Peak	1.91033G	-72.57	-13.00	-59.57	-	-
1.911G	1.916G	2k	10k	Peak	1.9155G	-50.53	-13.00	-37.53	MBW 1M	-
1.916G	5G	1M	3M	Peak	3.76023G	-37.21	-13.00	-24.21	-	-
5G	20G	1M	3M	Peak	19.6063G	-31.83	-13.00	-18.83	-	-

1900_GPRS_200kHz_Nss1_1TX

CSE-TX-Sum

1909.8MHz

04/09/2020



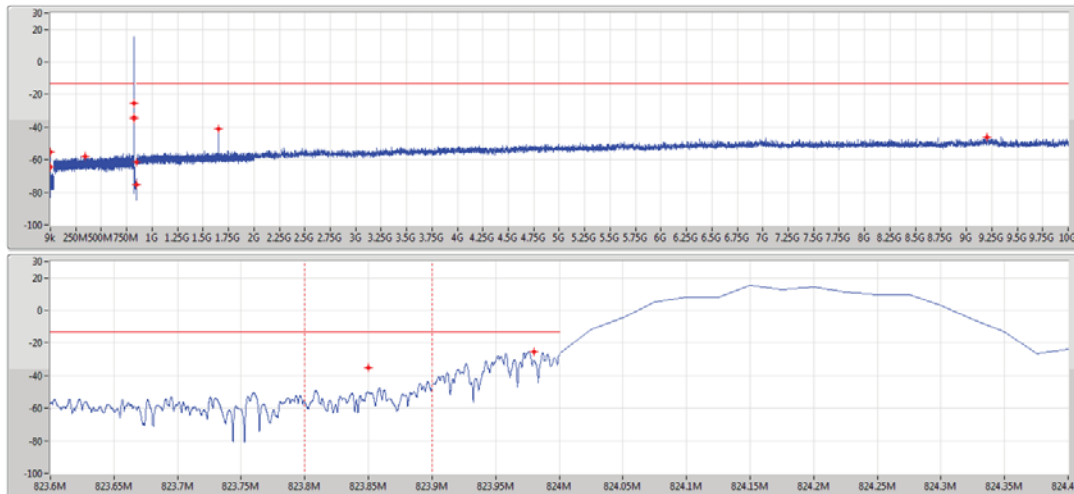
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	200	1k	Peak	9.987k	-69.34	-13.00	-56.34	-	-
150k	30M	10k	30k	Peak	20.105M	-67.66	-13.00	-54.66	-	-
30M	1.5G	1M	3M	Peak	1.03328G	-45.72	-13.00	-32.72	-	-
1.5G	1.844G	1M	3M	Peak	1.6818G	-43.77	-13.00	-30.77	-	-
1.844G	1.849G	2k	10k	Peak	1.8445G	-50.57	-13.00	-37.57	MBW 1M	-
1.849G	1.85G	2k	10k	Peak	1.84976G	-73.38	-13.00	-60.38	-	-
1.91G	1.911G	2k	10k	Peak	1.91002G	-18.46	-13.00	-5.46	-	-
1.911G	1.916G	2k	10k	Peak	1.9115G	-39.27	-13.00	-26.27	MBW 1M	-
1.916G	5G	1M	3M	Peak	3.81998G	-39.91	-13.00	-26.91	-	-
5G	20G	1M	3M	Peak	19.97375G	-31.46	-13.00	-18.46	-	-

850_EGPRS_200kHz_Nss1_1TX

824.2MHz

CSE-TX-Sum

04/09/2020



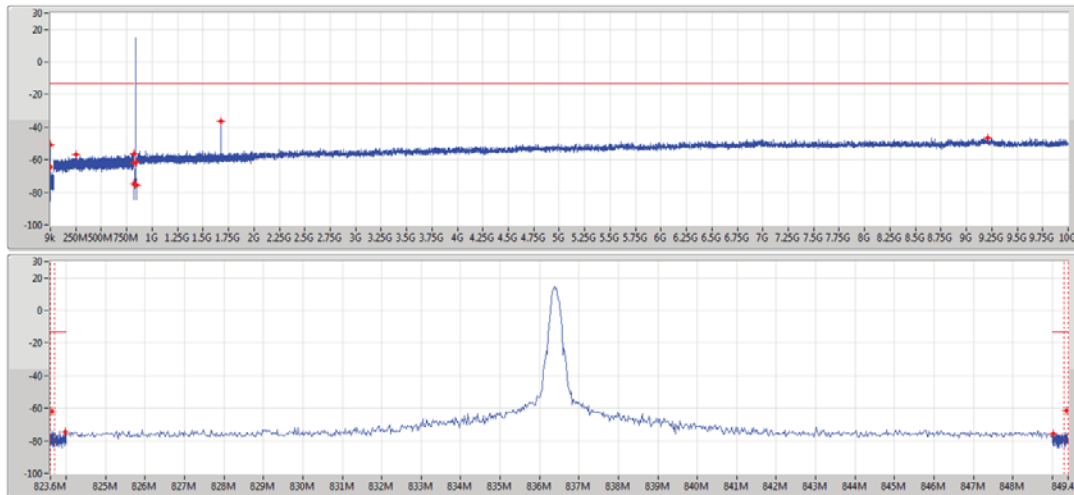
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	200	1k	Peak	15.345k	-64.33	-13.00	-51.33	-	-
150k	30M	10k	30k	Peak	157.462k	-55.38	-13.00	-42.38	-	-
30M	500M	100k	300k	Peak	344.55M	-57.60	-13.00	-44.60	-	-
500M	823.6M	100k	300k	Peak	822.87M	-34.16	-13.00	-21.16	-	-
823.6M	823.9M	2k	10k	Peak	823.85M	-25.04	-13.00	-12.04	MBW 100k	-
823.9M	824M	2k	10k	Peak	823.98M	-25.28	-13.00	-12.28	-	-
849M	849.1M	2k	10k	Peak	849.07M	-75.10	-13.00	-62.10	-	-
849.1M	849.4M	2k	10k	Peak	849.15M	-61.58	-13.00	-48.58	MBW 100k	-
849.4M	2G	100k	300k	Peak	1.68489G	-41.18	-13.00	-28.18	-	-
2G	10G	100k	300k	Peak	9.199G	-46.08	-13.00	-33.08	-	-

850_EGPRS_200kHz_Nss1_1TX

836.4MHz

CSE-TX-Sum

04/09/2020



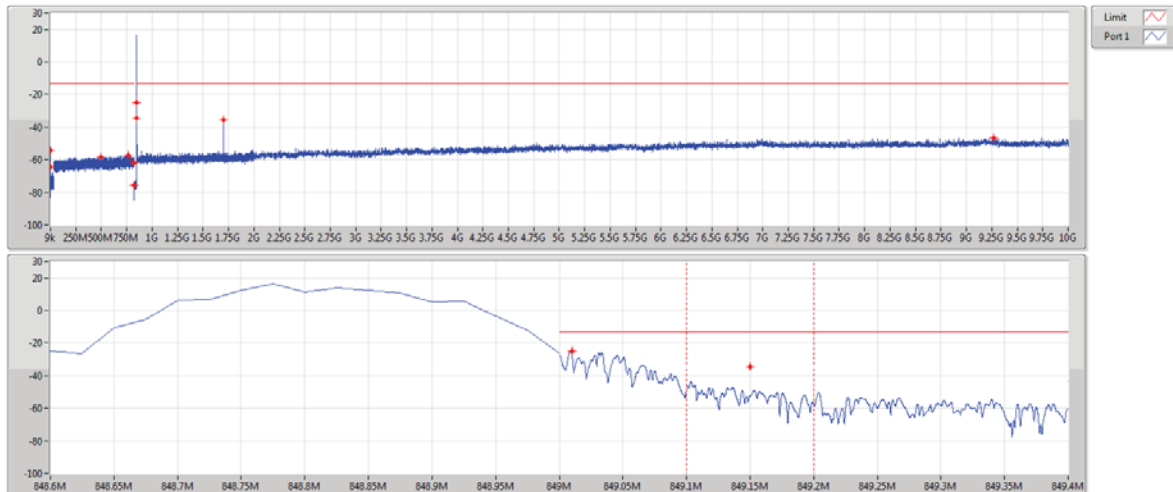
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	200	1k	Peak	12.102k	-64.56	-13.00	-51.56	-	-
150k	30M	10k	30k	Peak	150k	-50.81	-13.00	-37.81	-	-
30M	500M	100k	300k	Peak	251.37M	-57.08	-13.00	-44.08	-	-
500M	823.6M	100k	300k	Peak	822.47M	-56.52	-13.00	-43.52	-	-
823.6M	823.9M	2k	10k	Peak	823.65M	-61.86	-13.00	-48.86	MBW 100k	-
823.9M	824M	2k	10k	Peak	823.97M	-74.82	-13.00	-61.82	-	-
849M	849.1M	2k	10k	Peak	849.03M	-75.64	-13.00	-62.64	-	-
849.1M	849.4M	2k	10k	Peak	849.35M	-61.60	-13.00	-48.60	MBW 100k	-
849.4M	2G	100k	300k	Peak	1.67294G	-36.72	-13.00	-23.72	-	-
2G	10G	100k	300k	Peak	9.212G	-46.46	-13.00	-33.46	-	-

850_EGPRS_200kHz_Nss1_1TX

CSE-TX-Sum

848.8MHz

04/09/2020



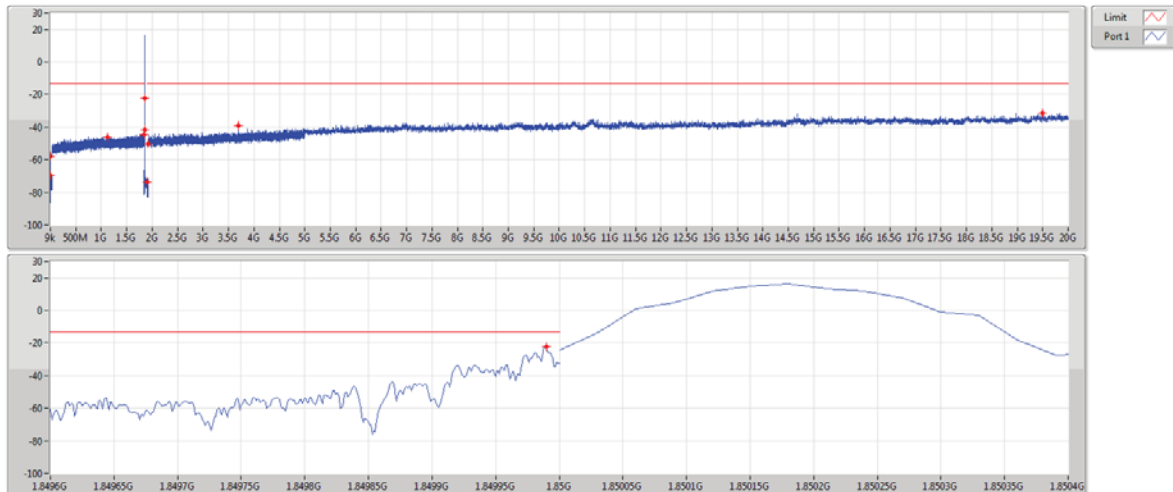
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	200	1k	Peak	30.467k	-64.49	-13.00	-51.49	-	-
150k	30M	10k	30k	Peak	187.312k	-54.09	-13.00	-41.09	-	-
30M	500M	100k	300k	Peak	492.72M	-58.22	-13.00	-45.22	-	-
500M	823.6M	100k	300k	Peak	762.68M	-57.12	-13.00	-44.12	-	-
823.6M	823.9M	2k	10k	Peak	823.65M	-61.94	-13.00	-48.94	MBW 100k	-
823.9M	849M	2k	10k	Peak	823.99M	-75.51	-13.00	-62.51	-	-
849M	849.1M	2k	10k	Peak	849.01M	-24.92	-13.00	-11.92	-	-
849.1M	849.4M	2k	10k	Peak	849.15M	-34.50	-13.00	-21.50	MBW 100k	-
849.4M	2G	100k	300k	Peak	1.89788G	-35.26	-13.00	-22.26	-	-
2G	10G	100k	300k	Peak	9.27G	-46.51	-13.00	-33.51	-	-

1900_EGPRS_200kHz_Nss1_1TX

CSE-TX-Sum

1850.2MHz

04/09/2020



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	200	1k	Peak	32.3k	-69.59	-13.00	-56.59	-	-
150k	30M	10k	30k	Peak	157.462k	-57.78	-13.00	-44.78	-	-
30M	1.5G	1M	3M	Peak	1.11541G	-46.03	-13.00	-33.03	-	-
1.5G	1.844G	1M	3M	Peak	1.84348G	-44.58	-13.00	-31.58	-	-
1.844G	1.849G	2k	10k	Peak	1.8485G	-41.51	-13.00	-28.51	MBW 1M	-
1.849G	1.85G	2k	10k	Peak	1.84999G	-22.17	-13.00	-9.17	-	-
1.91G	1.911G	2k	10k	Peak	1.91096G	-73.36	-13.00	-60.36	-	-
1.911G	1.916G	2k	10k	Peak	1.9145G	-50.09	-13.00	-37.09	MBW 1M	-
1.916G	5G	1M	3M	Peak	3.70087G	-39.24	-13.00	-26.24	-	-
5G	20G	1M	3M	Peak	19.49188G	-31.53	-13.00	-18.53	-	-