

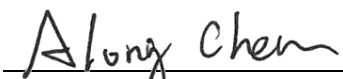
FCC Test Report

FCC ID : 2A7G3XS5G0304
Equipment : 5G DATA CARD
Model No. : XS5G03-GB0
(Refer to item 1.1.1 for more details)
Brand Name : XSquare
Applicant : XSquare Communications Corporation
Address : NO.6 INNOVATION ROAD II, SCIENCE PARK,
HSINCHU 30076, TAIWAN, R.O.C
Standard : 47 CFR FCC Part 24 Subpart E
Received Date : Jun. 13, 2022
Tested Date : Jun. 28 ~ Aug. 19, 2022

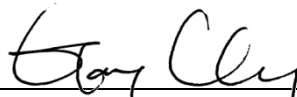
We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:

Approved by:



Along Chen / Assistant Manager



Gary Chang / Manager

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APPENDIX A TEST RESULTS FOR EFFECTIVE ISOTROPICALLY RADIATED POWER

APPENDIX B TEST RESULTS FOR RADIATED EMISSIONS

APPENDIX C.1 TEST RESULTS FOR OUT OF BAND EMISSIONS

APPENDIX C.2 TEST RESULTS FOR BAND EDGE

APPENDIX D TEST RESULTS FOR OCCUPIED AND 26 dB BANDWIDTH

APPENDIX E TEST RESULTS FOR PEAK TO AVERAGE POWER RATIO

APPENDIX F TEST RESULTS FOR FREQUENCY STABILITY

Release Record

Report No.	Version	Description	Issued Date
FG261301P24-1	Rev. 01	Initial issue	Sep. 22, 2022

Summary of Test Results

FCC Rules	Test Items	Measured	Result
2.1046 / 24.232(c)	Equivalent Isotropically Radiated Power	Power[dBm] : 22.55	Pass
2.1053 / 24.238(a)	Radiated Emissions	Meet the requirement of limit	Pass
2.1051 / 24.238(a)	Conducted Emissions	Meet the requirement of limit	Pass
2.1051 / 24.238(a)	Band Edge	Meet the requirement of limit	Pass
2.1049	Occupied Bandwidth	Meet the requirement of limit	Pass
24.232(d)	Peak to Average Power Ratio	Meet the requirement of limit	Pass
2.1055 / 24.235	Frequency Stability	Meet the requirement of limit	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.

1 General Description

1.1 Information

1.1.1 Product Details

The following models are provided to this EUT.

Brand Name	Model Name	Product Name	Description
XSquare	XS5G03-GB0	5G DATA CARD	-
	XS5G04-GB0		Disable EN-DC by software.
✦ The above models, model XS5G03-GB0 was the worst case and was selected for the final test and only its data was recorded in this report.			

1.1.2 Specification of the Equipment under Test (EUT)

Operating Frequency	5G NR n2: 1850 MHz ~ 1910 MHz
Uplink Modulation	QPSK , 16QAM , 64AQM , 256QAM for CP-OFDM $\pi/2$ -BPSK, QPSK, 16QAM, 64QAM and 256QAM for DFT-s-OFDM
Downlink Modulation	QPSK , 16QAM , 64AQM , 256QAM for CP-OFDM
EN DC	DC 5A_n2A

1.1.3 Antenna Details

Ant. No.	Brand	Model	Type	Connector	Gain (dBi)
1	Anjie	AELQ2S-B066L	Dipole	UFL	0.2

1.1.4 Power Supply Type of Equipment under Test (EUT)

Supply Voltage	3.3Vdc from host		
Operational Voltage	☒ Vnom (3.3 V)	☒ Vmax (3.63 V)	☒ Vmin (3.135 V)
Operational Climatic	☒ Tnom (20°C)	☒ Tmax (70°C)	☒ Tmin (-30°C)

1.1.5 Accessories

N/A.

1.1.6 Maximum Conducted Power and Emission Designator

Channel Bandwidth	Modulation	Maximum Conducted Power (W)	Emission Designator
20 MHz	$\pi/2$ -BPSK	0.172	17M9G7D
20 MHz	QPSK	0.167	18M9G7D
20 MHz	16QAM	0.141	18M9W7D
20 MHz	64QAM	0.107	18M9W7D
20 MHz	256QAM	0.065	18M9W7D
15 MHz	$\pi/2$ -BPSK	0.172	13M4G7D
15 MHz	QPSK	0.167	14M1G7D
15 MHz	16QAM	0.141	14M1W7D
15 MHz	64QAM	0.107	14M1W7D
15 MHz	256QAM	0.065	14M1W7D
10 MHz	$\pi/2$ -BPSK	0.150	8M92G7D
10 MHz	QPSK	0.147	9M28G7D
10 MHz	16QAM	0.124	9M27W7D
10 MHz	64QAM	0.097	9M28W7D
10 MHz	256QAM	0.062	9M27W7D
5 MHz	$\pi/2$ -BPSK	0.152	4M48G7D
5 MHz	QPSK	0.150	4M46G7D
5 MHz	16QAM	0.122	4M47W7D
5 MHz	64QAM	0.092	4M46W7D
5 MHz	256QAM	0.061	4M46W7D

1.1.7 Operating Channel List

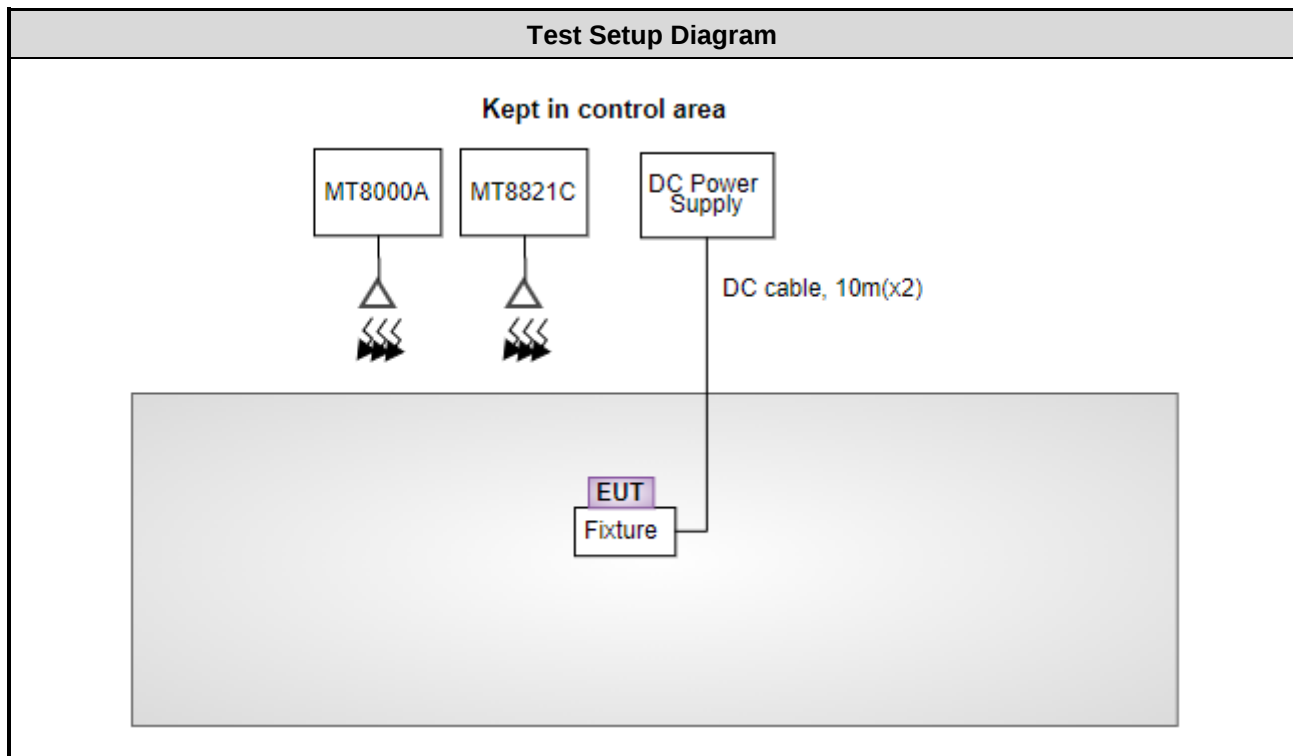
5G NR n2		
Channel Bandwidth (MHz)	Channel	Frequency (MHz)
20	372000	1860.0
20	376000	1880.0
20	380000	1900.0
15	371500	1857.5
15	376000	1880.0
15	380500	1902.5
10	371000	1855.0
10	376000	1880.0
10	381000	1905.0
5	370500	1852.5
5	376000	1880.0
5	381500	1907.5

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	DC Power Supply	GWINSTEK	GPC-60300	---	---
2	Notebook	DELL	Latitude 5400	---	Provided by applicant.
3	Fixture	---	---	---	Provided by applicant.

Note: The support notebook was disconnected from EUT and was removed from test table after sending command from notebook to control EUT to transmit continuously.

1.3 Test Setup Chart



1.4 The Equipment List

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Aug. 12 ~ Aug. 19, 2022				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Mar. 15, 2022	Mar. 14, 2023
Spectrum Analyzer	R&S	FSV40	101498	Nov. 29, 2021	Nov. 28, 2022
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 08, 2021	Nov. 07, 2022
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-685	Jun. 28, 2022	Jun. 27, 2023
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Dec. 03, 2021	Dec. 02, 2022
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 04, 2021	Nov. 03, 2022
Preamplifier	EMC	EMC02325	980225	Jun. 28, 2022	Jun. 27, 2023
Preamplifier	EMC	EMC118A45SE	980898	Jul. 16, 2022	Jul. 15, 2023
Preamplifier	EMC	EMC184045B	980192	Jul. 08, 2022	Jul. 07, 2023
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 05, 2021	Oct. 04, 2022
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 05, 2021	Oct. 04, 2022
LF cable 11M	EMC	EMCCFD400-NW-NW-11000	200801	Oct. 05, 2021	Oct. 04, 2022
LF cable 1M	EMC	EMCCFD400-NM-NM-1000	160502	Oct. 05, 2021	Oct. 04, 2022
RF Cable	EMC	EMC104-35M-35M-8000	210920	Oct. 05, 2021	Oct. 04, 2022
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Oct. 05, 2021	Oct. 04, 2022
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Radio Communication Analyzer	Anritsu	MT8821C	6262149999	Sep. 16, 2021	Sep. 15, 2022
Radio Communication Test Station	Anritsu	MT8000A	6262148276	Sep. 16, 2021	Sep. 15, 2022
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Jun. 28 ~ Aug. 12, 2022				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101910	Apr. 18, 2022	Apr. 17, 2023
Spectrum Analyzer	keysight	N9020A	MY53420894	Oct. 19, 2021	Oct. 18, 2022
Power Meter	Anritsu	ML2495A	1241002	Nov. 07, 2021	Nov. 06, 2022
Power Sensor	Anritsu	MA2411B	1207366	Nov. 07, 2021	Nov. 06, 2022
DC POWER SOURCE	GW INSTEK	GPC-6030D	GES855395	Nov. 08, 2021	Nov. 07, 2022
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	Jun. 22, 2022	Jun. 21, 2023
Measurement Software	Sporton	SENSE-FCC_2G-4G	V6.1.5	NA	NA
Radio Communication Analyzer	Anritsu	MT8821C	6262149999	Sep. 16, 2021	Sep. 15, 2022
Radio Communication Test Station	Anritsu	MT8000A	6262148276	Sep. 16, 2021	Sep. 15, 2022
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

47 CFR FCC Part 24 Subpart E
ANSI C63.26-2015

1.6 Reference Guidance

FCC KDB 412172 D01 Determining ERP and EIRP v01r01
FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
FCC KDB 971168 D02 Misc Rev Approv License Devices v02r01

1.7 Deviation from Test Standard and Measurement Procedure

None

1.8 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Measurement Uncertainty	
Parameters	Uncertainty
Bandwidth	± 34.130 Hz
Conducted power	± 0.808 dB
Frequency error	$\pm 1 \times 10^{-9}$
Conducted emission	± 2.715 dB
Radiated emission ≤ 1 GHz	± 3.41 dB
Radiated emission > 1 GHz	± 4.59 dB
Temperature	± 0.4 °C

2 Test Configuration

2.1 Testing Condition and Location Information

Test Item	Test Site	Ambient Condition	Tested By
Radiated Emissions	03CH01-WS	20-22°C / 68-69%	Brad Wu
RF Conducted	TH01-WS	22-24°C / 61-66%	Aska Huang

- FCC Designation No.: TW2732
- FCC site registration No.: 181692
- ISED#: 10807A
- CAB identifier: TW2732

2.2 Testing Facility

Test Laboratory	International Certification Corp.
Test Site	03CH01-WS, TH01-WS
Address of Test Site	No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.

2.3 The Worst Test Modes and Channel Details

Test items	Band	Bandwidth(MHz)				Modulation					RB#			Test Channel		
		5	10	15	20	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	n2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
peak-to-Average Ratio	n2				v	v	v	v	v	v			v		v	
26dB and 99% Bandwidth	n2	v	v	v	v	v	v	v	v	v			v		v	
Conducted Band edge	n2	v	v	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	n2	v	v	v	v	v					v			v	v	v
Frequency Stability	n2				v	v										
E.I.R.P	n2	v	v	v	v	v	v	v	v	v	Max. power					
Radiated Spurious Emission	n2	Worst Case												v	v	v
Remark	1. "v": this configuration is for testing. 2. "-":This bandwidth is not supported. 3. Frequency range of radiated measurement is from 30 MHz to 10th harmonic of fundamental frequency. 4. All spurious emissions below 1000 MHz are more than 20 dB below the limit. 5. DFT-s OFDM and CP OFDM had been covered during the pretest. The worst adapter is DFT-s OFDM and only its data was record in this test report. 6. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.															

3 Test Results

3.1 Equivalent Isotropically Radiated Power

3.1.1 Limit of Equivalent Isotropically Radiated Power

Mobile and portable stations are limited to 2 watts EIRP.

3.1.2 Test Procedures

For E.I.R.P measurement

EIPR can be calculated by below formula from KDB 412172 D01.

1. $EIRP = P_T + G_T - L_C$

P_T = transmitter output power, in dBm.

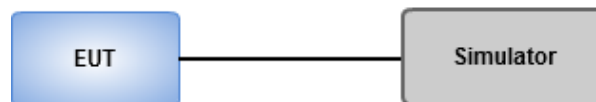
G_T = gain of the transmitting antenna, in dBi (EIRP).

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

For Conducted power measurement

1. The EUT links up with simulator and is set to maximum output power level at low / middel / high channel.
2. Measure the output power of low / middle / high channel of the EUT

3.1.3 Test Setup



3.1.4 Test Result of Equivalent Isotropically Radiated Power and Conducted Power (dBm)

Refer to Appendix A.

3.2 Radiated Emissions

3.2.1 Limit of Radiated Emissions

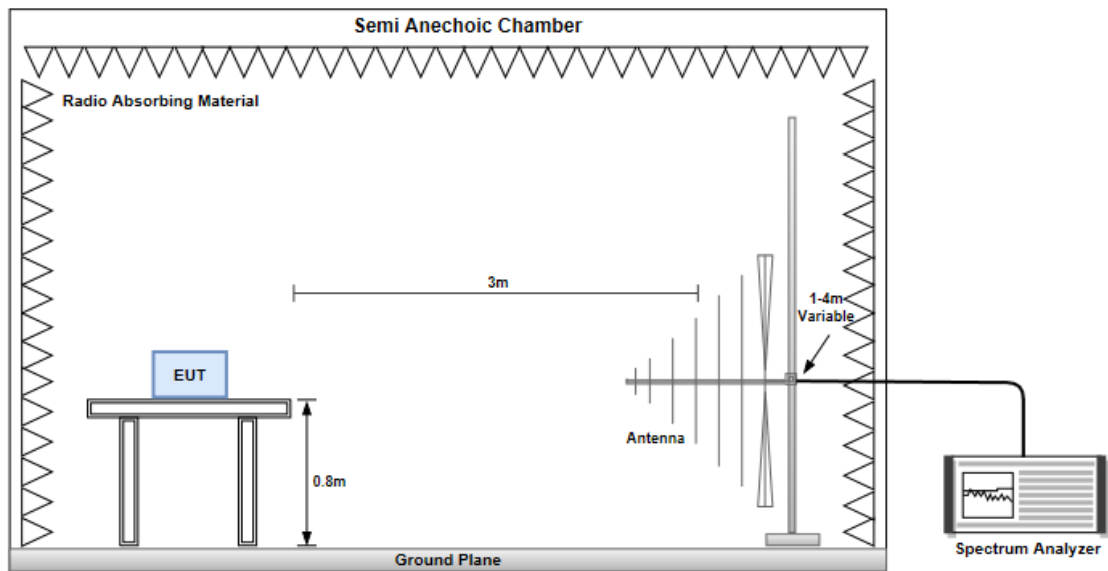
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB equal to -13dBm.

3.2.2 Test Procedures

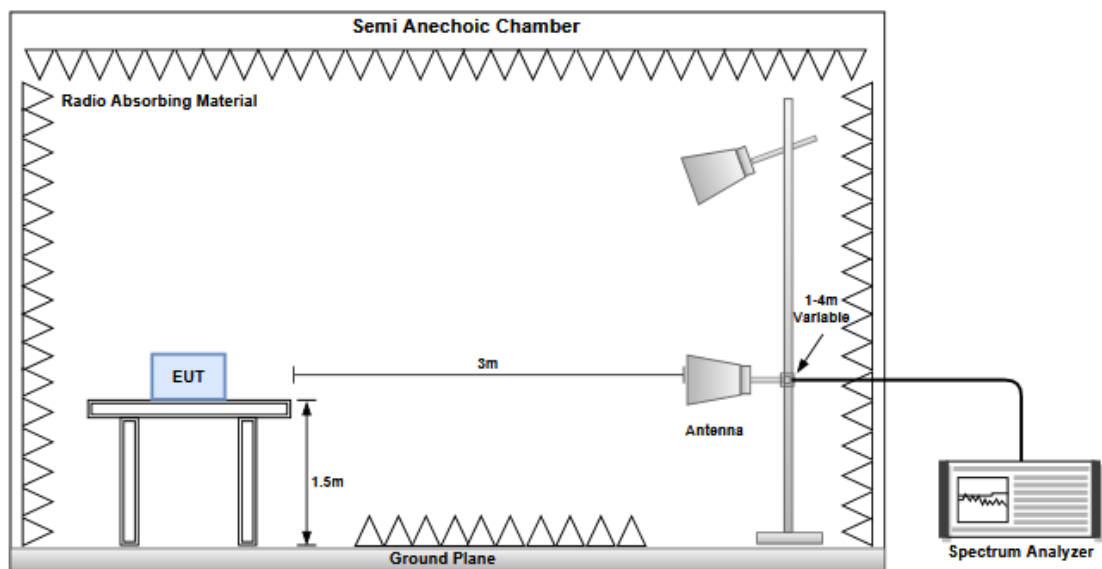
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m.
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.
4. After finding the max radiated emission, substitution method will be used for getting effective radiated power. EUT will be removed and substitution antenna will be placed at same position. Signal generator will output CW signal to substitution antenna through a RF cable. Rotate turntable and move antenna to find maximum radiated emission. Adjust output power of signal generator to let the maximum radiated emission is same as step 3. Record the output power level.
5. E.I.R.P = output power of step 4 + gain of substitution antenna – cable loss of RF cable.

3.2.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



3.2.4 Test Result of Radiated Emissions

Refer to Appendix B.

3.3 Out of Band Emissions & Band Edge

3.3.1 Limit of Out of Band Emissions & Band Edge

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB equal to -13dBm.

3.3.2 Test Procedures

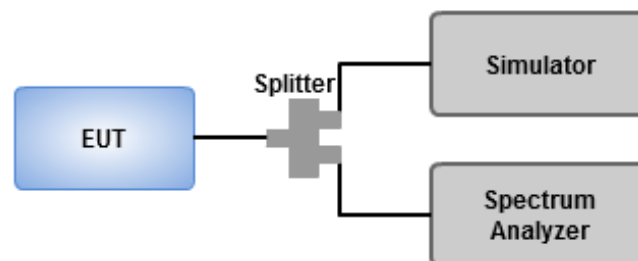
Out of band emission

1. Lowest, middle and highest operating channels are tested for this item.
2. Scan frequency range is from 30 MHz ~ 20 GHz.
3. Set RBW = 1 MHz, VBW = 3 MHz, detector = RMS, sweep time = auto.
4. Record the max trace value and capture the test plot of each sub frequency band.

Band edge

1. Lowest and highest operating channels are tested for this item.
2. Set RBW = 1% of EBW, VBW = 3 x RBW, detector = RMS, sweep time = auto.
3. Record the max trace value and capture the test plot of each sub frequency band.

3.3.3 Test Setup



3.3.4 Test Result of Conducted Emissions & Band Edge

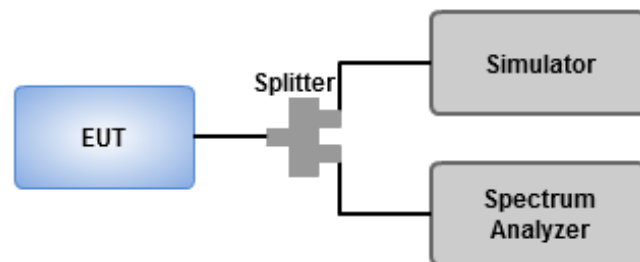
Refer to Appendix C.1, C.2.

3.4 Occupied and 26 dB Bandwidth

3.4.1 Test Procedures

1. Set resolution bandwidth (RBW) = 1% ~ 5 % of OBW, Video bandwidth = 3 x RBW
2. Detector = Peak, Trace mode = max hold.
3. Sweep = auto couple, Allow the trace to stabilize.
4. Using occupied bandwidth measurement function of spectrum analyzer to measure occupied bandwidth
5. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 26dB relative to the maximum level measured in the fundamental emission.

3.4.2 Test Setup



3.4.3 Test Result of Occupied and 26 dB Bandwidth

Refer to Appendix D.

3.5 Peak to Average Power Ratio

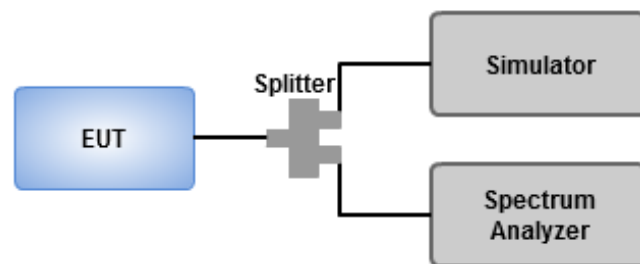
3.5.1 Limit of Peak to Average Power Ratio

Peak-to-average power ratio of the transmission may not exceed 13 dB.

3.5.2 Test Procedures

1. Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth.
2. Set the number of counts to a value that stabilizes the measured CCDF curve.
3. Set the measurement interval to 1 ms.
4. Record the maximum PAPR level associated with a probability of 0.1%.

3.5.3 Test Setup



3.5.4 Test Result of Peak to Average Power Ratio

Refer to Appendix E.

3.6 Frequency Stability

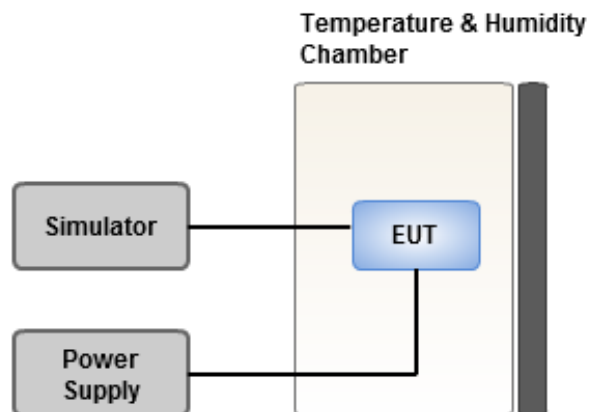
3.6.1 Limit of Frequency Stability

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

3.6.2 Test Procedures

1. EUT was placed at temperature chamber and connected to an external power supply.
2. Temperature and voltage condition shall be tested to confirm frequency stability.
3. The test shall be performed under normal and extreme condition for temperature and voltage.
4. Link up EUT and simulator. Confirm frequency drift value of simulator and record it.

3.6.3 Test Setup



3.6.4 Test Result of Frequency Stability

Refer to Appendix F.

4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <http://www.icertifi.com.tw>.

Linkou

Tel: 886-2-2601-1640

No.30-2, Ding Fwu Tsuen, Lin Kou
District, New Taipei City, Taiwan
(R.O.C.)

Kwei Shan

Tel: 886-3-271-8666

No.3-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)
No.2-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 333, Taiwan (R.O.C.)

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666

Fax: 886-3-318-0345

Email: ICC_Service@icertifi.com.tw

==END==

NR n2 Maximum Average Power [dBm](GT-LC= 0.2 dB)								
BW(MHz)	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	21.79	21.81	21.98	22.55	0.1799
20	1	104		21.74	21.77	21.76		
20	50	25		22.16	22.25	22.35		
20	1	0		21.22	21.21	21.16		
20	1	105		21.26	21.25	21.31		
20	100	0		21.73	21.58	21.46		
20	1	1	QPSK	21.71	21.72	21.76	22.44	0.1754
20	1	104		21.68	21.62	21.75		
20	50	25		22.13	22.16	22.24		
20	1	0		20.93	20.86	20.94		
20	1	105		20.92	20.82	21.02		
20	100	0		21.55	21.45	21.27		
20	1	1	16-QAM	21.18	20.89	21.49	21.69	0.1476
20	50	25		21.37	21.09	21.46		
20	100	0		20.55	20.21	20.64		
20	1	1	64-QAM	19.26	18.57	19.48	20.51	0.1125
20	50	25		20.13	19.85	20.27		
20	100	0		20.08	19.97	20.31		
20	1	1	256-QAM	17.63	17.54	17.84	18.34	0.0682
20	50	25		18.03	17.78	18.1		
20	100	0		18.01	17.91	18.14		

NR n2 Maximum Average Power [dBm](GT-LC= 0.2 dB)								
BW(MHz)	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	21.25	21.18	21.29	21.92	0.1556
15	1	77		21.26	21.19	21.17		
15	36	18		21.68	21.72	21.69		
15	1	0		20.68	20.67	20.62		
15	1	78		20.69	20.71	20.75		
15	75	0		21.18	21.05	20.91		
15	1	1	QPSK	21.11	21.11	21.23	21.9	0.1549
15	1	77		21.01	21.08	21.15		
15	36	18		21.62	21.7	21.66		
15	1	0		20.28	20.22	20.23		
15	1	78		20.35	20.28	20.43		
15	75	0		20.98	20.83	20.72		
15	1	1	16-QAM	20.93	20.5	20.85	21.23	0.1327
15	36	18		21.03	20.87	21.01		
15	75	0		20.2	20.01	20.06		
15	1	1	64-QAM	18.53	18.46	18.88	20.11	0.1026
15	36	18		19.84	19.58	19.78		
15	75	0		19.91	19.67	19.82		
15	1	1	256-QAM	17.71	17.51	17.6	18.12	0.0649
15	36	18		17.92	17.71	17.85		
15	75	0		17.9	17.78	17.89		

NR n2 Maximum Average Power [dBm](GT-LC= 0.2 dB)								
BW(MHz)	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	21.18	21.25	21.15	21.95	0.1567
10	1	50		21.08	21.11	21.05		
10	25	12		21.62	21.7	21.75		
10	1	0		20.63	20.75	20.73		
10	1	51		20.68	20.73	20.71		
10	50	0		21.01	21.18	21.08		
10	1	1	QPSK	21.12	21.13	21.14	21.87	0.1538
10	1	50		21.01	21.07	21.01		
10	25	12		21.53	21.66	21.67		
10	1	0		20.25	20.35	20.33		
10	1	51		20.28	20.31	20.35		
10	50	0		20.78	20.9	20.98		
10	1	1	16-QAM	20.51	20.66	20.87	21.12	0.1294
10	25	12		20.8	20.92	20.87		
10	50	0		20.01	20.14	20.03		
10	1	1	64-QAM	18.8	18.68	18.91	20.07	0.1016
10	25	12		19.58	19.74	19.74		
10	50	0		19.59	19.87	19.78		
10	1	1	256-QAM	17.52	17.58	17.6	18.13	0.0650
10	25	12		17.73	17.86	17.8		
10	50	0		17.76	17.93	17.93		

NR n2 Maximum Average Power [dBm](GT-LC= 0.2 dB)								
BW(MHz)	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	21.29	21.45	21.35	22.03	0.1596
5	1	23		21.16	21.29	21.22		
5	12	6		21.66	21.72	21.83		
5	1	0		20.66	20.81	20.78		
5	1	24		20.72	20.79	20.75		
5	25	0		21.08	21.27	21.13		
5	1	1	QPSK	21.16	21.32	21.33	21.96	0.1570
5	1	23		21.14	21.18	21.16		
5	12	6		21.66	21.71	21.76		
5	1	0		20.32	20.42	20.46		
5	1	24		20.33	20.36	20.45		
5	25	0		20.86	20.95	21.01		
5	1	1	16-QAM	20.78	20.69	20.75	21.08	0.1282
5	12	6		20.88	20.71	20.76		
5	25	0		20.15	20.02	20.09		
5	1	1	64-QAM	18.87	18.58	18.59	19.85	0.0966
5	12	6		19.61	19.48	19.51		
5	25	0		19.65	19.55	19.49		
5	1	1	256-QAM	17.6	17.53	17.58	18.08	0.0643
5	12	6		17.78	17.7	17.77		
5	25	0		17.8	17.74	17.88		

Mode	EN-DC 5A_n2, PI/2 BPSK, CB:20 MHz, 1 RB, Channel: 372000						
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
3702.4	H	-59.76	-13	-46.76	-69.21	-66.01	6.25
5553.6	H	-57.85	-13	-44.85	-69.45	-63.98	6.13
7404.8	H	-54.12	-13	-41.12	-69.33	-56.97	2.85
3702.4	V	-59.88	-13	-46.88	-69.45	-66.13	6.25
5553.6	V	-57.73	-13	-44.73	-69.53	-63.86	6.13
7404.8	V	-53.4	-13	-40.4	-69.1	-56.25	2.85

Mode	EN-DC 5A_n2, PI/2 BPSK, CB:20 MHz, 1 RB, Channel: 376000						
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
3742.4	H	-59.95	-13	-46.95	-69.47	-66.26	6.31
5613.6	H	-57.65	-13	-44.65	-69.18	-63.69	6.04
7484.8	H	-53.87	-13	-40.87	-69.21	-56.94	3.07
3742.4	V	-59.81	-13	-46.81	-69.42	-66.12	6.31
5613.6	V	-57.81	-13	-44.81	-69.55	-63.85	6.04
7484.8	V	-53.42	-13	-40.42	-69.22	-56.49	3.07

Mode	EN-DC 5A_n2, PI/2 BPSK, CB:20 MHz, 1 RB, Channel: 380000						
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
3782.4	H	-59.89	-13	-46.89	-69.48	-66.25	6.36
5673.6	H	-57.39	-13	-44.39	-69.42	-63.47	6.08
7564.8	H	-53.8	-13	-40.8	-69.31	-57.09	3.29
3782.4	V	-59.61	-13	-46.61	-69.25	-65.97	6.36
5673.6	V	-57.59	-13	-44.59	-69.63	-63.67	6.08
7564.8	V	-53.29	-13	-40.29	-69.23	-56.58	3.29

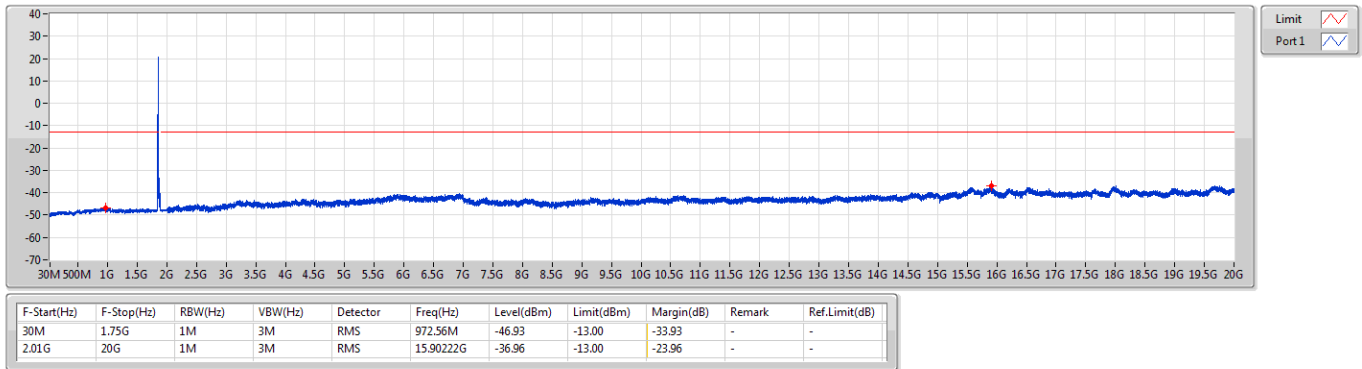
NOTE: EIRP = S.G power value + correction factor

**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)
Band n2	-	-	-	-	-	-	-	-	-	-	-	-
NR_20MHz_Nss1,DFT-s-OFDM_PI2BPSK_1TX	Pass	2.01G	20G	1M	3M	RMS	17.97388G	-36.53	-13.00	-23.53	-	-
NR_15MHz_Nss1,DFT-s-OFDM_PI2BPSK_1TX	Pass	2.01G	20G	1M	3M	RMS	19.69248G	-36.74	-13.00	-23.74	-	-
NR_10MHz_Nss1,DFT-s-OFDM_PI2BPSK_1TX	Pass	2.01G	20G	1M	3M	RMS	19.62558G	-36.59	-13.00	-23.59	-	-
NR_5MHz_Nss1,DFT-s-OFDM_PI2BPSK_1TX	Pass	2.01G	20G	1M	3M	RMS	17.97163G	-36.64	-13.00	-23.64	-	-

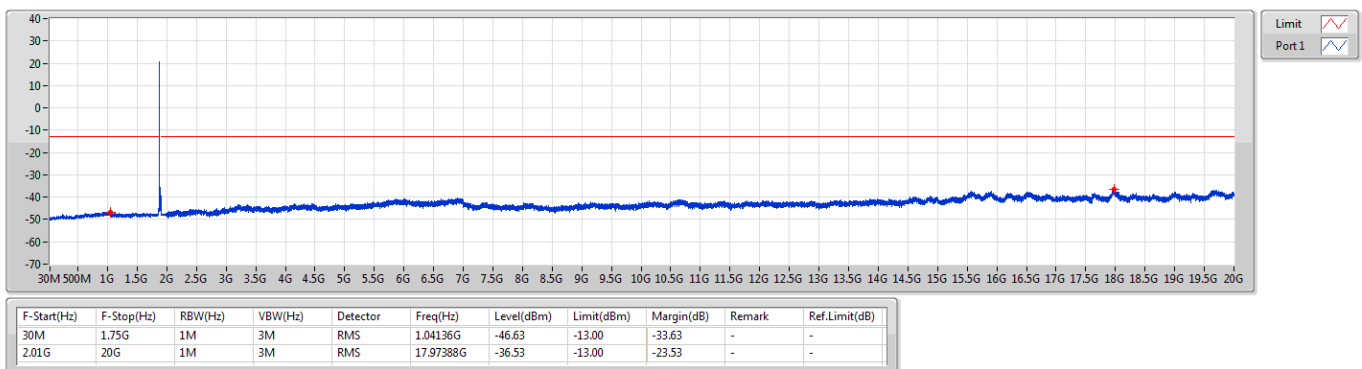
Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX
1860MHz_DFT-s-OFDM_PI2BPSK_1RB

CSE-TX-Sum



Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX
1880MHz_DFT-s-OFDM_PI2BPSK_1RB

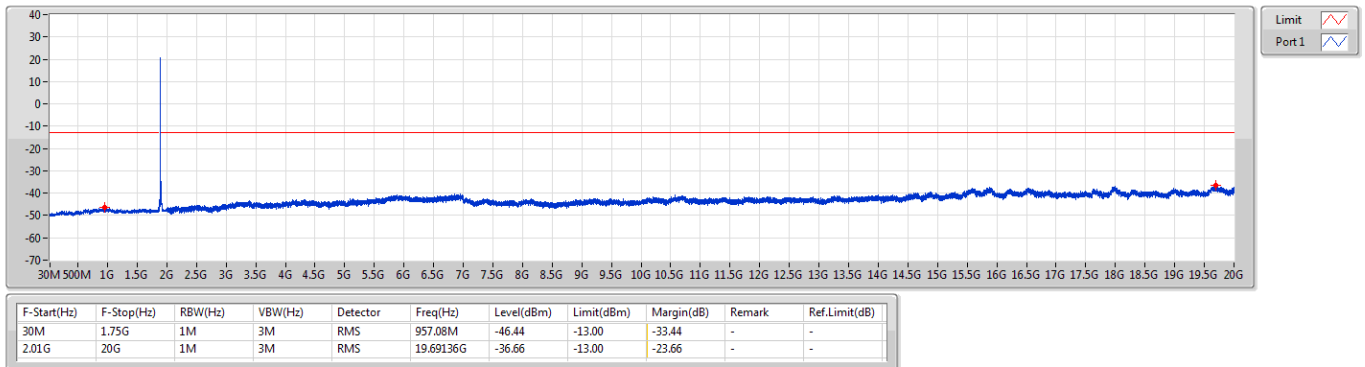
CSE-TX-Sum



Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX

CSE-TX-Sum

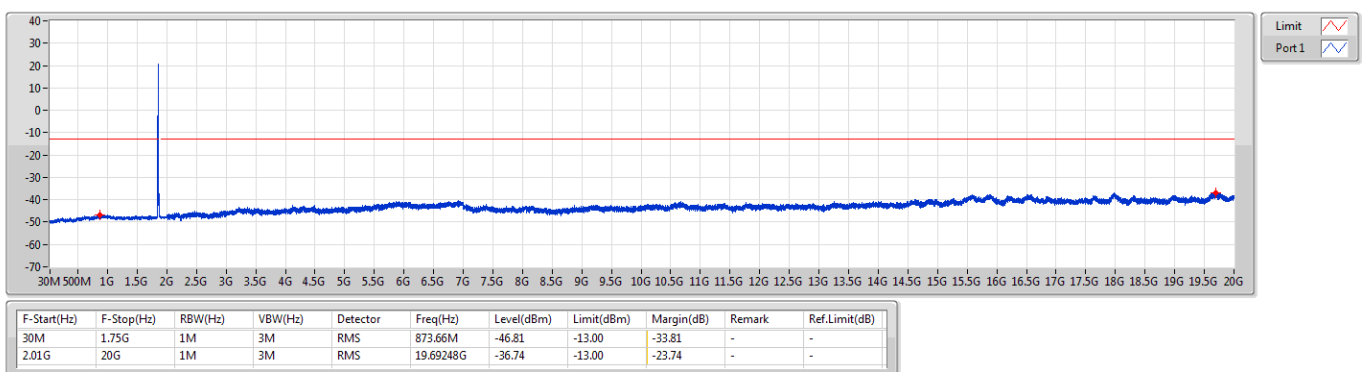
1900MHz_DFT-s-OFDM_PI2BPSK_1RB



Band n2_NR_15MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX

CSE-TX-Sum

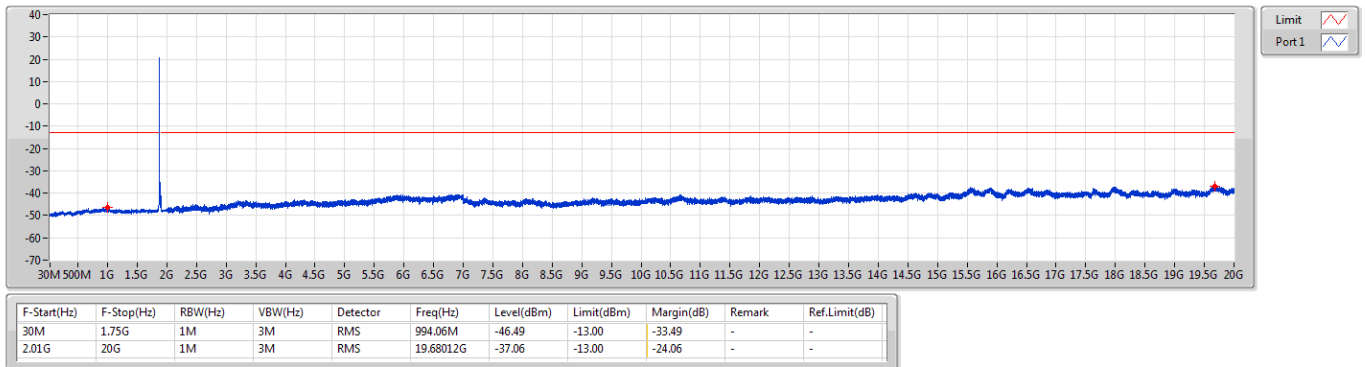
1857.5MHz_DFT-s-OFDM_PI2BPSK_1RB



Band n2_NR_15MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX

CSE-TX-Sum

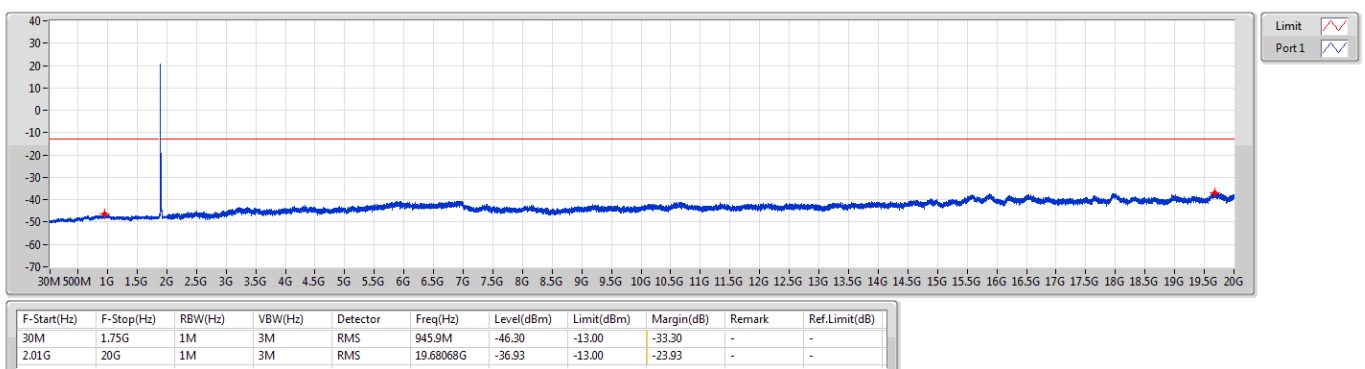
1880MHz_DFT-s-OFDM_PI2BPSK_1RB



Band n2_NR_15MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX

CSE-TX-Sum

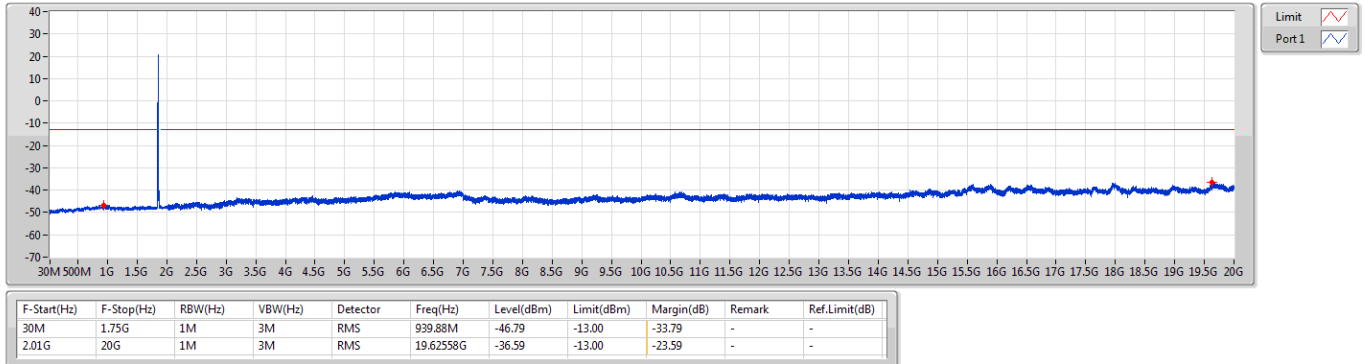
1902.5MHz_DFT-s-OFDM_PI2BPSK_1RB



Band n2_NR_10MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX

CSE-TX-Sum

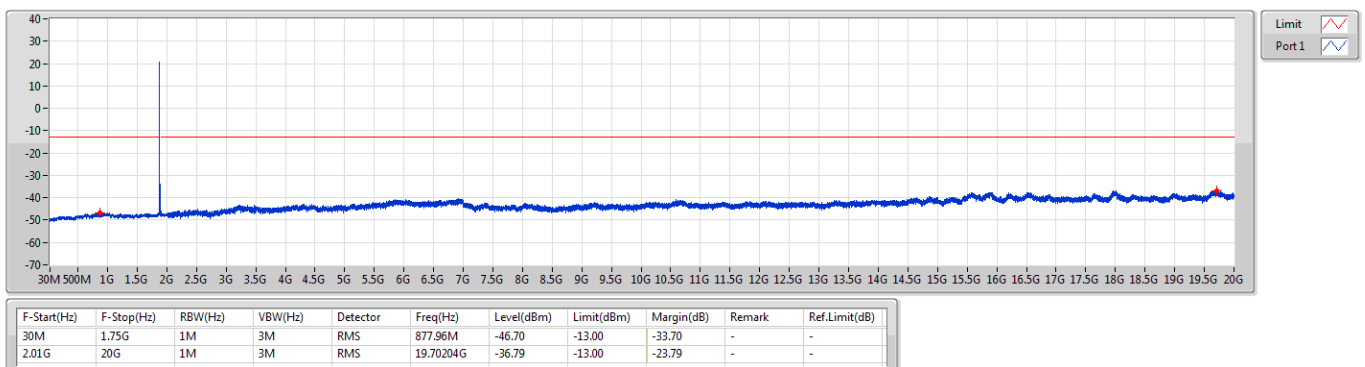
1855MHz_DFT-s-OFDM_PI2BPSK_1RB



Band n2_NR_10MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX

CSE-TX-Sum

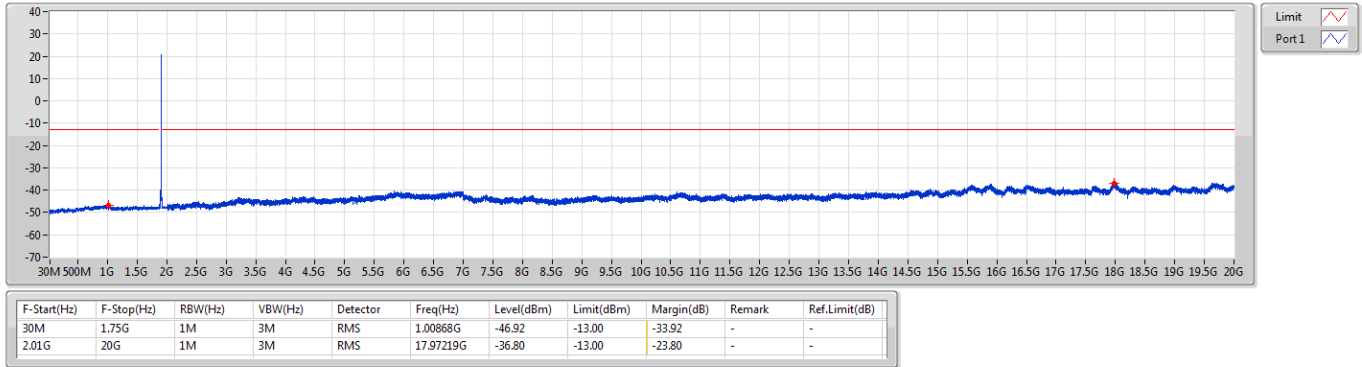
1880MHz_DFT-s-OFDM_PI2BPSK_1RB



Band n2_NR_10MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX

CSE-TX-Sum

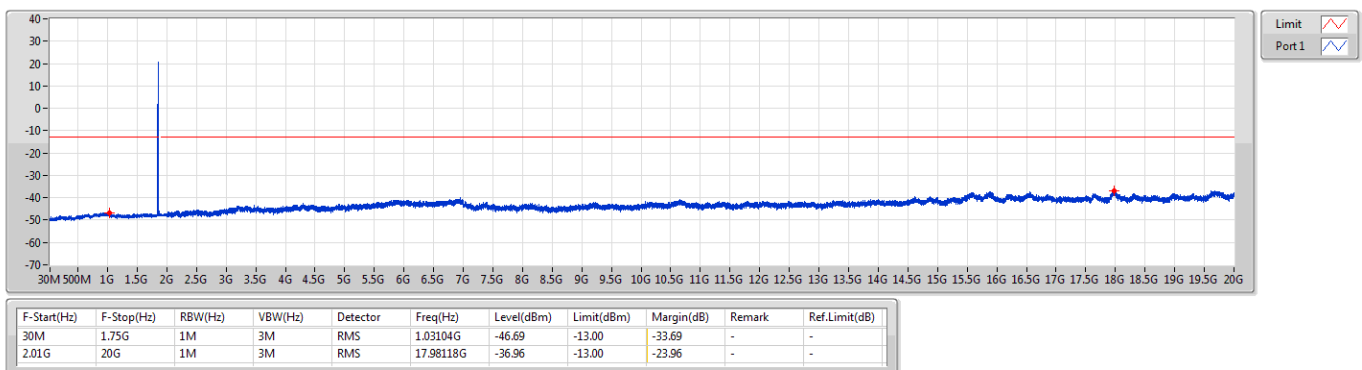
1905MHz_DFT-s-OFDM_PI2BPSK_1RB



Band n2_NR_5MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX

CSE-TX-Sum

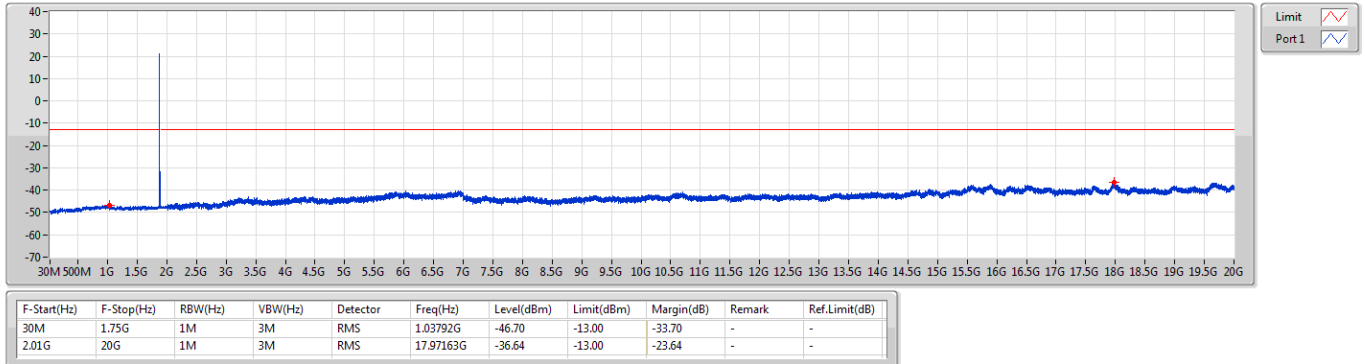
1852.5MHz_DFT-s-OFDM_PI2BPSK_1RB



Band n2_NR_5MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX

CSE-TX-Sum

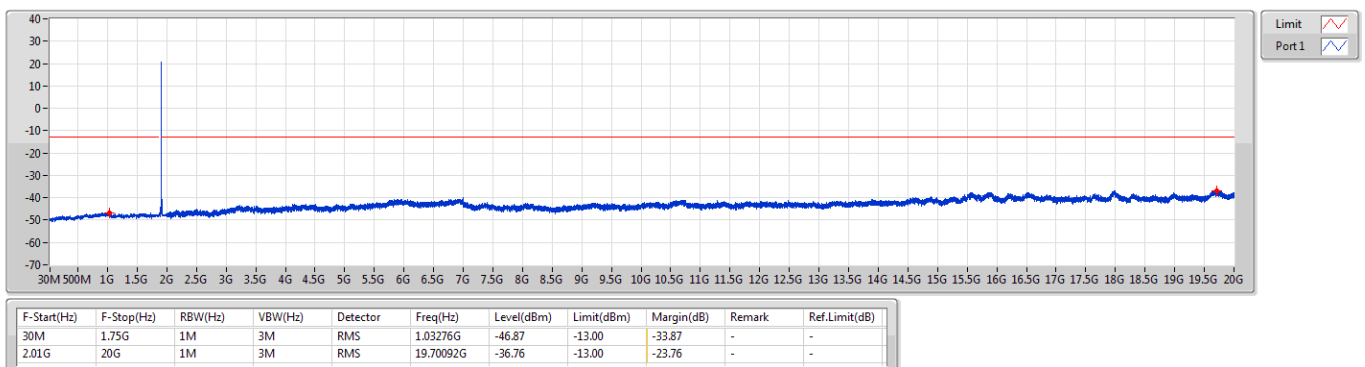
1880MHz_DFT-s-OFDM_PI2BPSK_1RB



Band n2_NR_5MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX

CSE-TX-Sum

1907.5MHz_DFT-s-OFDM_PI2BPSK_1RB

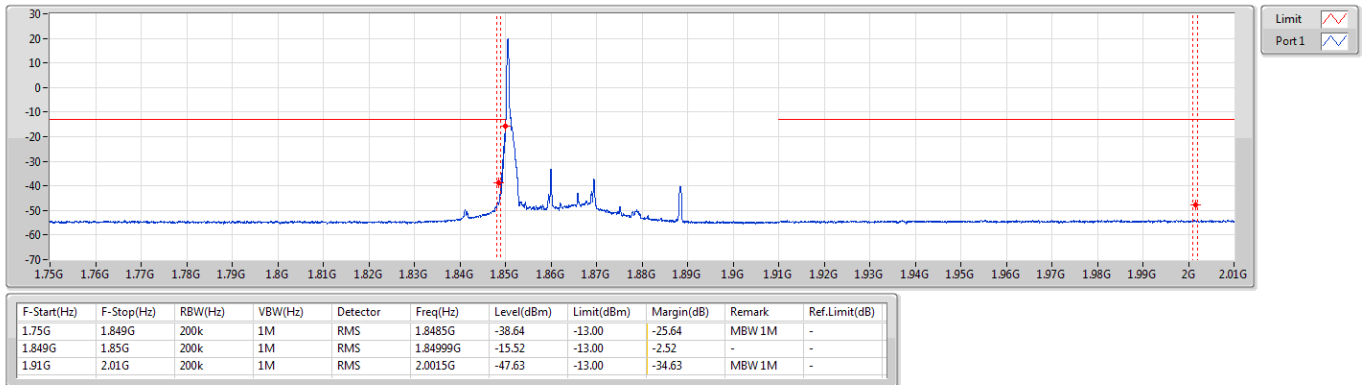


Summary

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)
Band n2	-	-	-	-	-	-	-	-	-	-	-	-
NR_20MHz_Nss1,DFT-s-OFDM_PI2BPSK_1TX	Pass	1.849G	1.85G	200k	1M	RMS	1.84999G	-15.52	-13.00	-2.52	-	-
NR_20MHz_Nss1,DFT-s-OFDM_QPSK_1TX	Pass	1.849G	1.85G	200k	1M	RMS	1.85G	-15.61	-13.00	-2.61	-	-
NR_20MHz_Nss1,DFT-s-OFDM_16QAM_1TX	Pass	1.91G	1.911G	200k	1M	RMS	1.91001G	-17.02	-13.00	-4.02	-	-
NR_20MHz_Nss1,DFT-s-OFDM_64QAM_1TX	Pass	1.849G	1.85G	200k	1M	RMS	1.84998G	-17.79	-13.00	-4.79	-	-
NR_20MHz_Nss1,DFT-s-OFDM_256QAM_1TX	Pass	1.849G	1.85G	200k	1M	RMS	1.84999G	-16.61	-13.00	-3.61	-	-
NR_20MHz_Nss1,CP-OFDM_QPSK_1TX	Pass	1.75G	1.849G	200k	1M	RMS	1.8485G	-29.94	-13.00	-16.94	MBW 1M	-
NR_15MHz_Nss1,DFT-s-OFDM_PI2BPSK_1TX	Pass	1.849G	1.85G	200k	1M	RMS	1.85G	-15.94	-13.00	-2.94	-	-
NR_15MHz_Nss1,DFT-s-OFDM_QPSK_1TX	Pass	1.849G	1.85G	200k	1M	RMS	1.85G	-16.59	-13.00	-3.59	-	-
NR_15MHz_Nss1,DFT-s-OFDM_16QAM_1TX	Pass	1.849G	1.85G	200k	1M	RMS	1.84999G	-17.44	-13.00	-4.44	-	-
NR_15MHz_Nss1,DFT-s-OFDM_64QAM_1TX	Pass	1.849G	1.85G	200k	1M	RMS	1.85G	-18.71	-13.00	-5.71	-	-
NR_15MHz_Nss1,DFT-s-OFDM_256QAM_1TX	Pass	1.849G	1.85G	200k	1M	RMS	1.84998G	-19.59	-13.00	-6.59	-	-
NR_15MHz_Nss1,CP-OFDM_QPSK_1TX	Pass	1.911G	2.01G	200k	500k	RMS	1.9115G	-29.91	-13.00	-16.91	MBW 1M	-
NR_10MHz_Nss1,DFT-s-OFDM_PI2BPSK_1TX	Pass	1.849G	1.85G	100k	300k	RMS	1.85G	-17.28	-13.00	-4.28	-	-
NR_10MHz_Nss1,DFT-s-OFDM_QPSK_1TX	Pass	1.91G	1.911G	100k	300k	RMS	1.91G	-18.18	-13.00	-5.18	-	-
NR_10MHz_Nss1,DFT-s-OFDM_16QAM_1TX	Pass	1.849G	1.85G	100k	300k	RMS	1.85G	-18.69	-13.00	-5.69	-	-
NR_10MHz_Nss1,DFT-s-OFDM_64QAM_1TX	Pass	1.849G	1.85G	100k	300k	RMS	1.84999G	-21.62	-13.00	-8.62	-	-
NR_10MHz_Nss1,DFT-s-OFDM_256QAM_1TX	Pass	1.849G	1.85G	100k	300k	RMS	1.84999G	-21.17	-13.00	-8.17	-	-
NR_10MHz_Nss1,CP-OFDM_QPSK_1TX	Pass	1.75G	1.849G	100k	300k	RMS	1.8485G	-26.69	-13.00	-13.69	MBW 1M	-
NR_5MHz_Nss1,DFT-s-OFDM_PI2BPSK_1TX	Pass	1.91G	1.911G	50k	200k	RMS	1.91G	-22.13	-13.00	-9.13	-	-
NR_5MHz_Nss1,DFT-s-OFDM_QPSK_1TX	Pass	1.91G	1.911G	50k	200k	RMS	1.91G	-21.67	-13.00	-8.67	-	-
NR_5MHz_Nss1,DFT-s-OFDM_16QAM_1TX	Pass	1.911G	2.01G	50k	200k	RMS	1.9115G	-22.53	-13.00	-9.53	MBW 1M	-
NR_5MHz_Nss1,DFT-s-OFDM_64QAM_1TX	Pass	1.911G	2.01G	50k	200k	RMS	1.9115G	-23.85	-13.00	-10.85	MBW 1M	-
NR_5MHz_Nss1,DFT-s-OFDM_256QAM_1TX	Pass	1.911G	2.01G	50k	200k	RMS	1.9115G	-26.04	-13.00	-13.04	MBW 1M	-
NR_5MHz_Nss1,CP-OFDM_QPSK_1TX	Pass	1.911G	2.01G	50k	200k	RMS	1.9115G	-24.31	-13.00	-11.31	MBW 1M	-

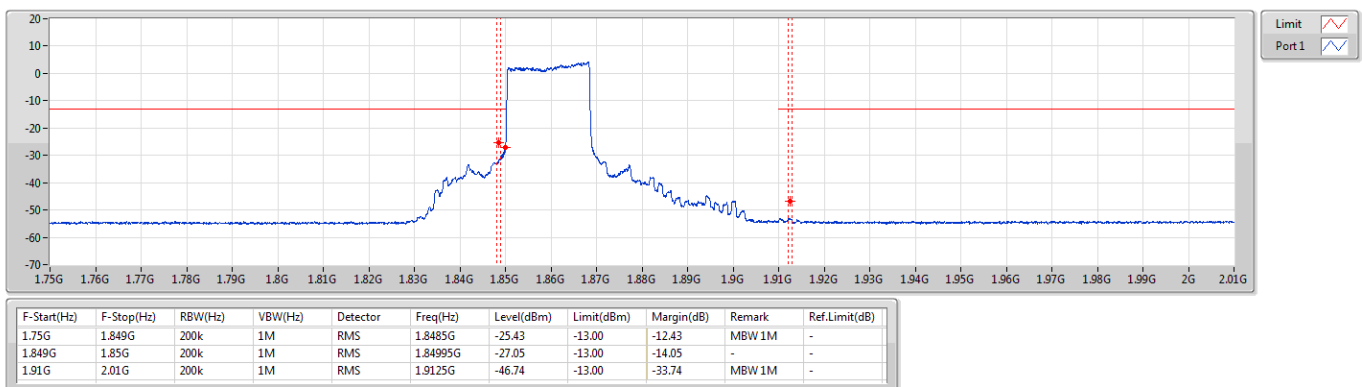
Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX
1860MHz_DFT-s-OFDM_PI2BPSK_Edge_1RB_Left

CSE-TX-Sum



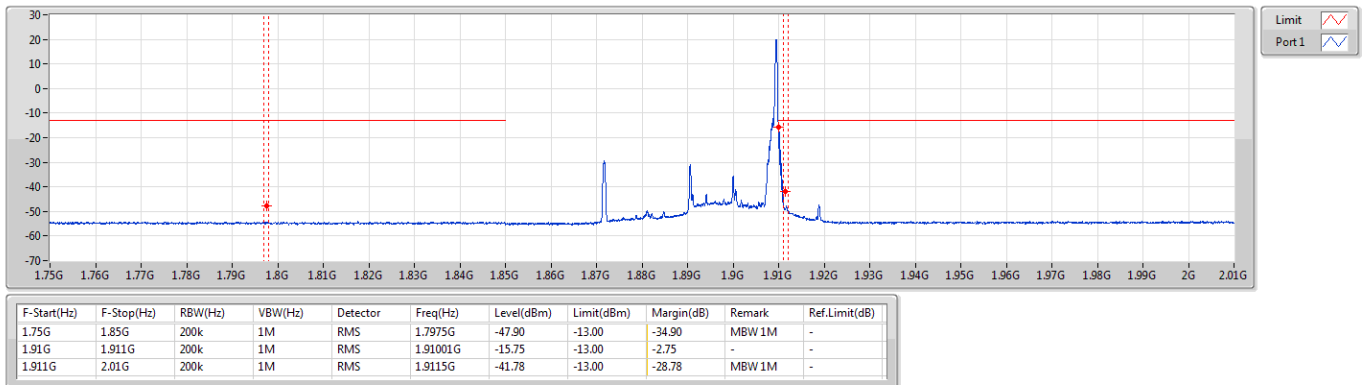
Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX
1860MHz_DFT-s-OFDM_PI2BPSK_Outer_Full

CSE-TX-Sum



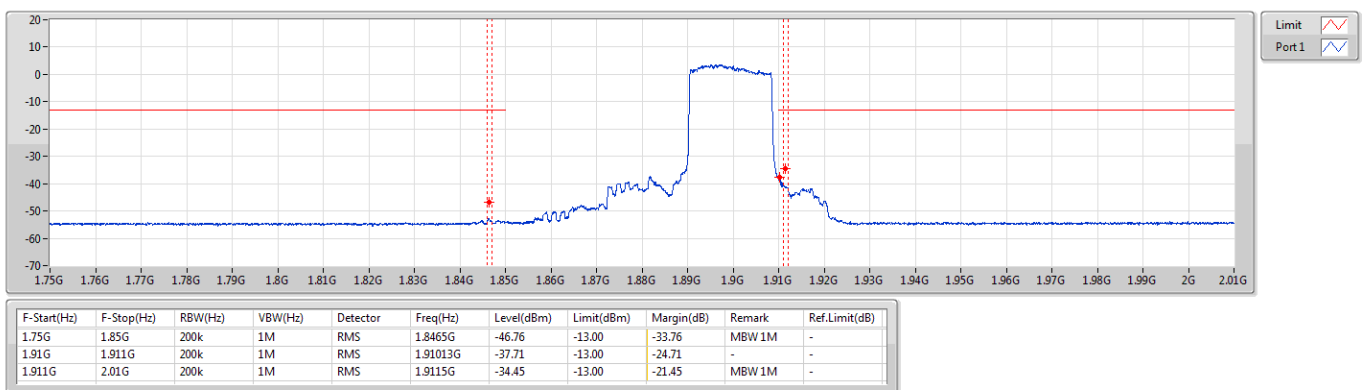
Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX
1900MHz_DFT-s-OFDM_PI2BPSK_Edge_1RB_Right

CSE-TX-Sum



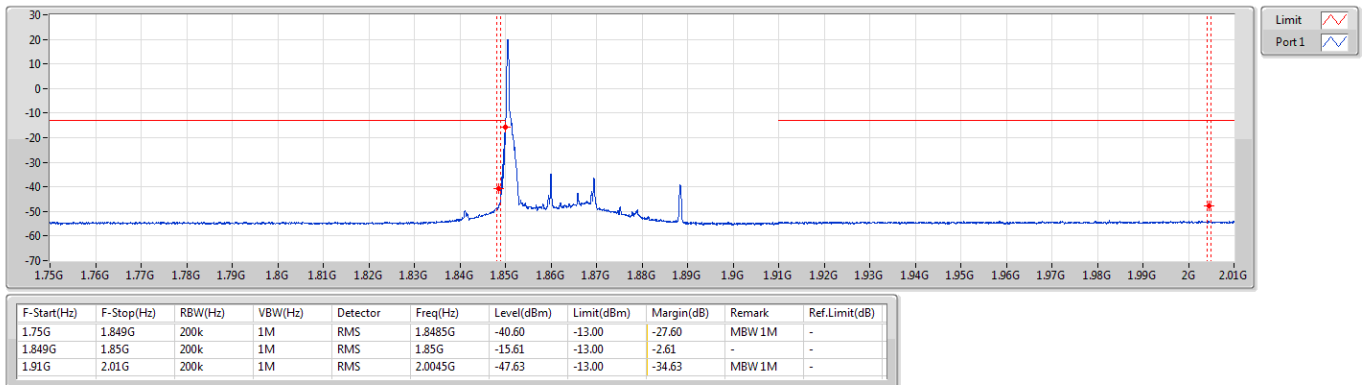
Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX
1900MHz_DFT-s-OFDM_PI2BPSK_Outer_Full

CSE-TX-Sum



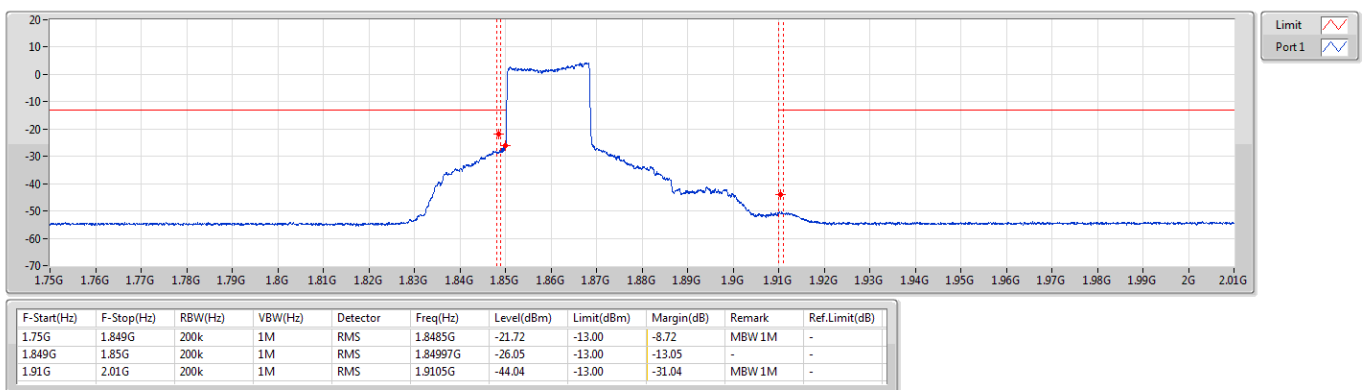
Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_QPSK_1TX
1860MHz_DFT-s-OFDM_QPSK_Edge_1RB_Left

CSE-TX-Sum



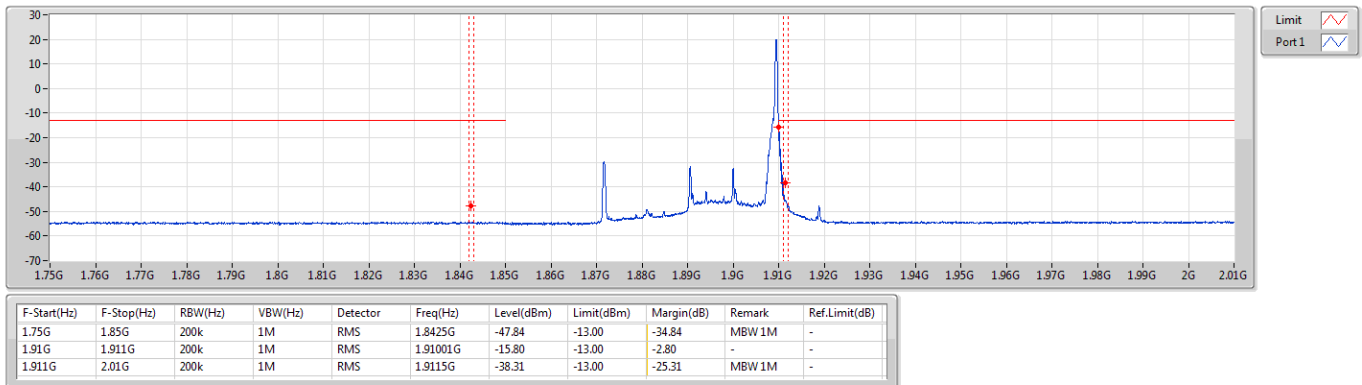
Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_QPSK_1TX
1860MHz_DFT-s-OFDM_QPSK_Outer_Full

CSE-TX-Sum



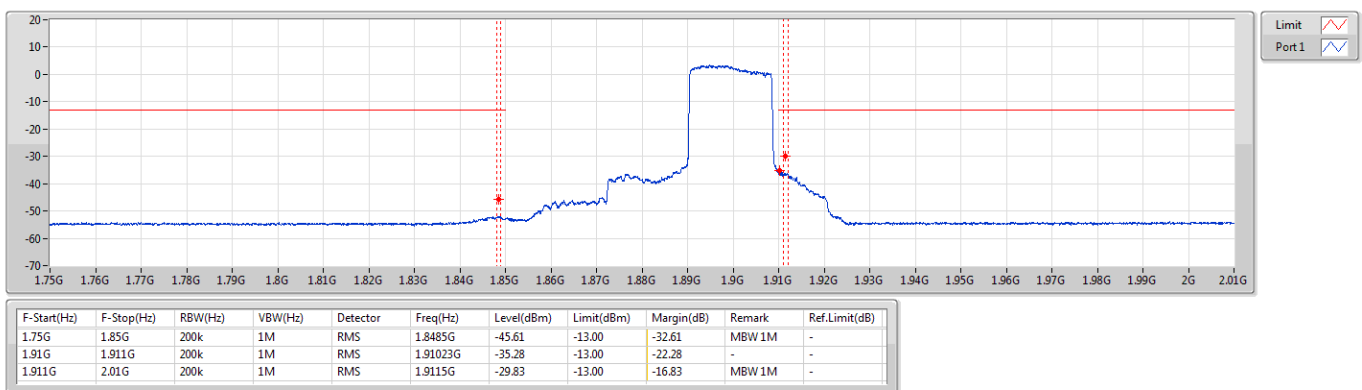
Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_QPSK_1TX
1900MHz_DFT-s-OFDM_QPSK_Edge_1RB_Right

CSE-TX-Sum



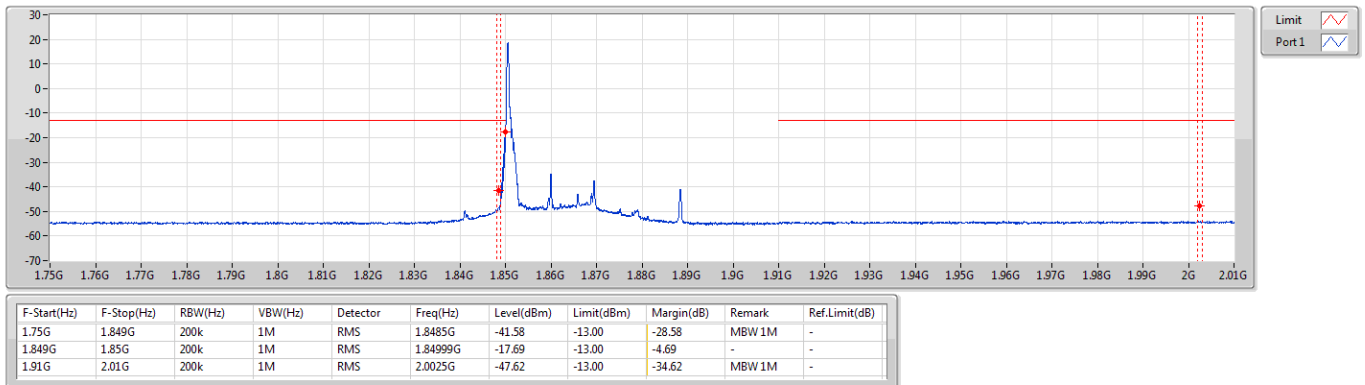
Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_QPSK_1TX
1900MHz_DFT-s-OFDM_QPSK_Outer_Full

CSE-TX-Sum



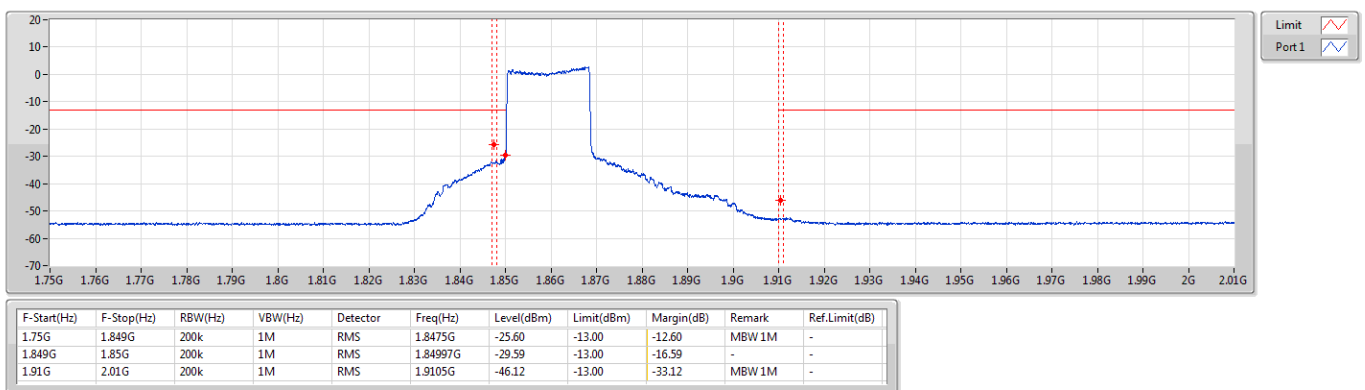
Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_16QAM_1TX
1860MHz_DFT-s-OFDM_16QAM_Edge_1RB_Left

CSE-TX-Sum



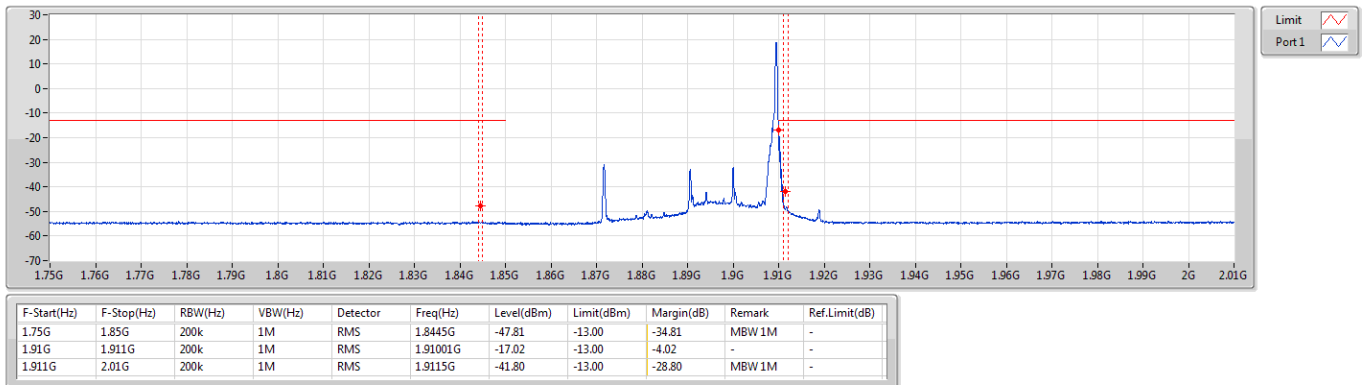
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1860MHz_DFT-s-OFDM_16QAM_Outer_Full

CSE-TX-Sum



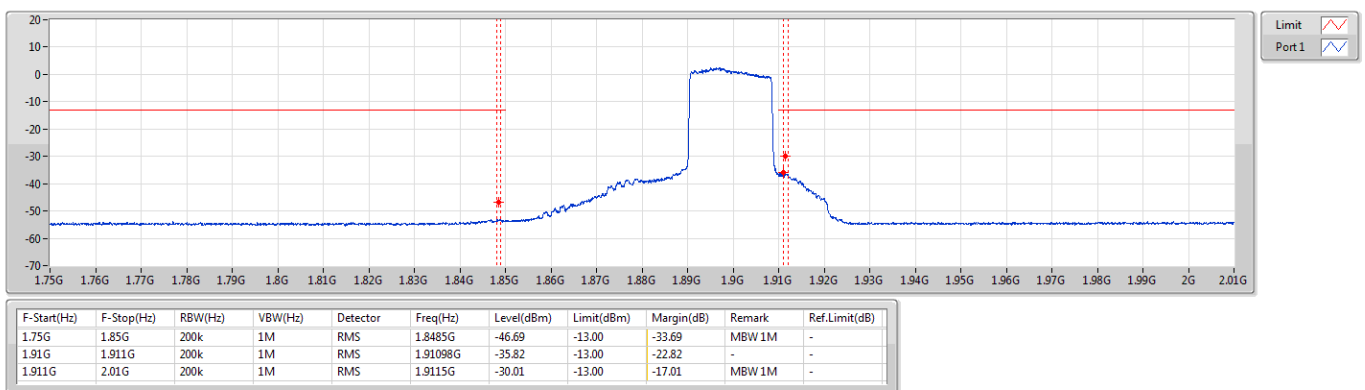
Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_16QAM_1TX
1900MHz_DFT-s-OFDM_16QAM_Edge_1RB_Right

CSE-TX-Sum



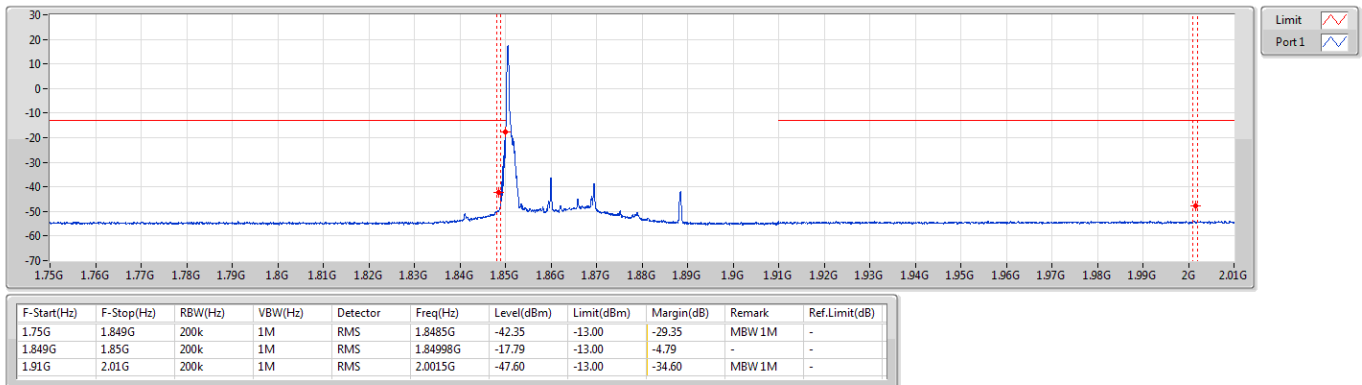
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1900MHz_DFT-s-OFDM_16QAM_Outer_Full

CSE-TX-Sum



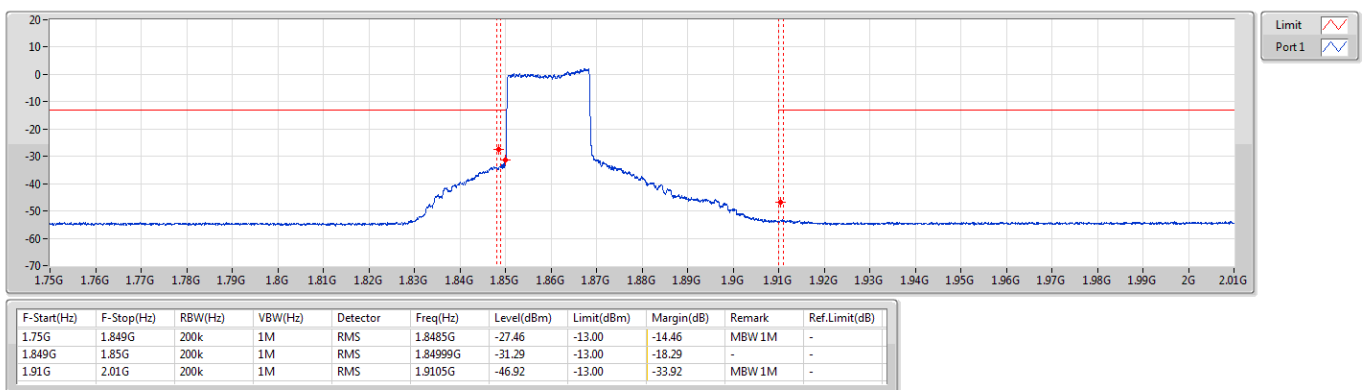
Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_64QAM_1TX
1860MHz_DFT-s-OFDM_64QAM_Edge_1RB_Left

CSE-TX-Sum



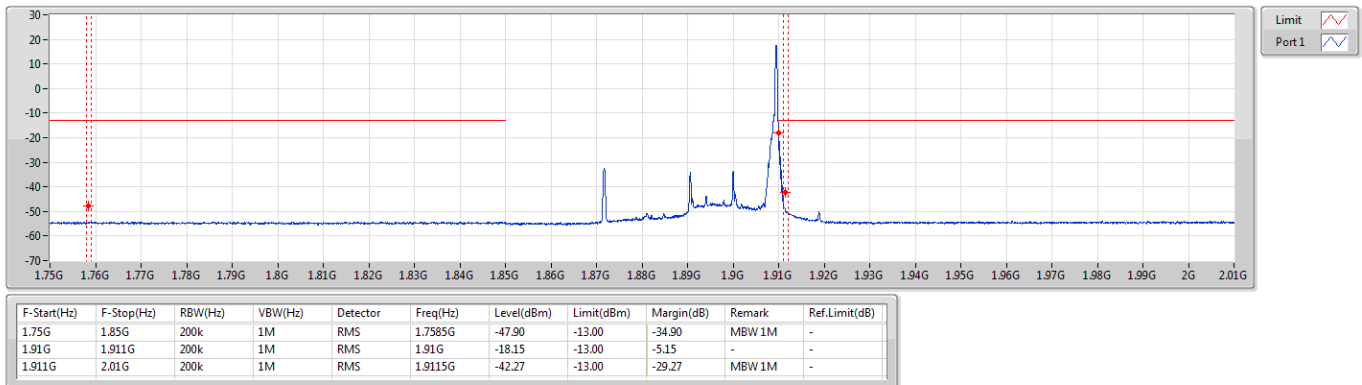
Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_64QAM_1TX
1860MHz_DFT-s-OFDM_64QAM_Outer_Full

CSE-TX-Sum



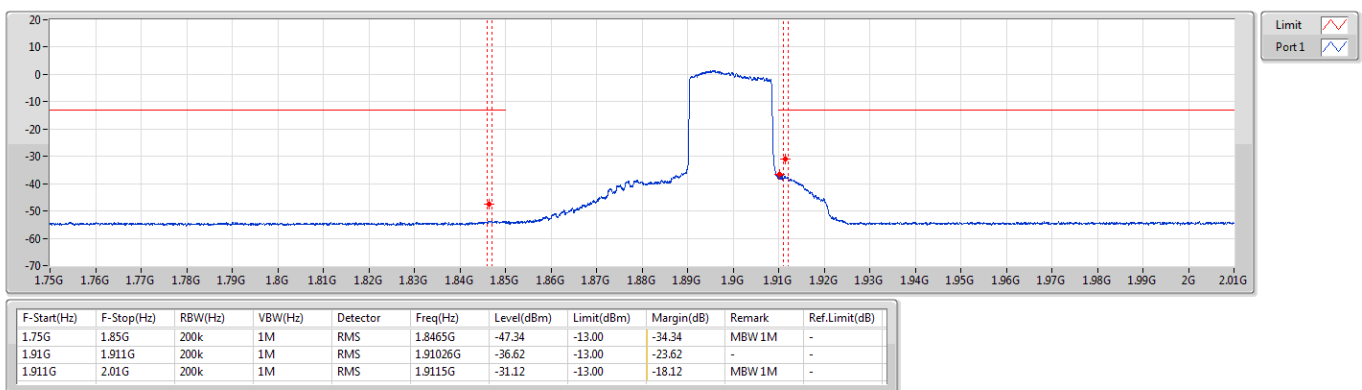
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1900MHz_DFT-s-OFDM_64QAM_Edge_1RB_Right

CSE-TX-Sum



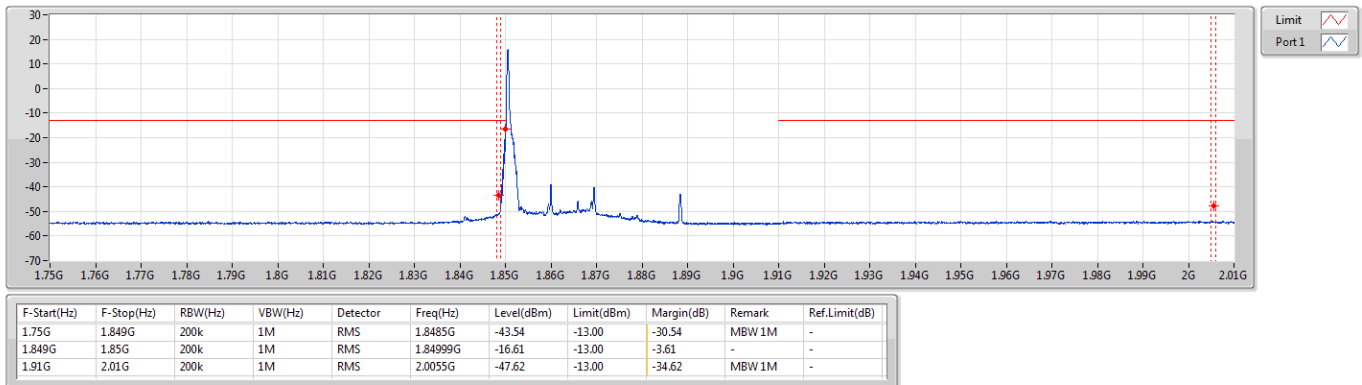
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1900MHz_DFT-s-OFDM_64QAM_Outer_Full

CSE-TX-Sum



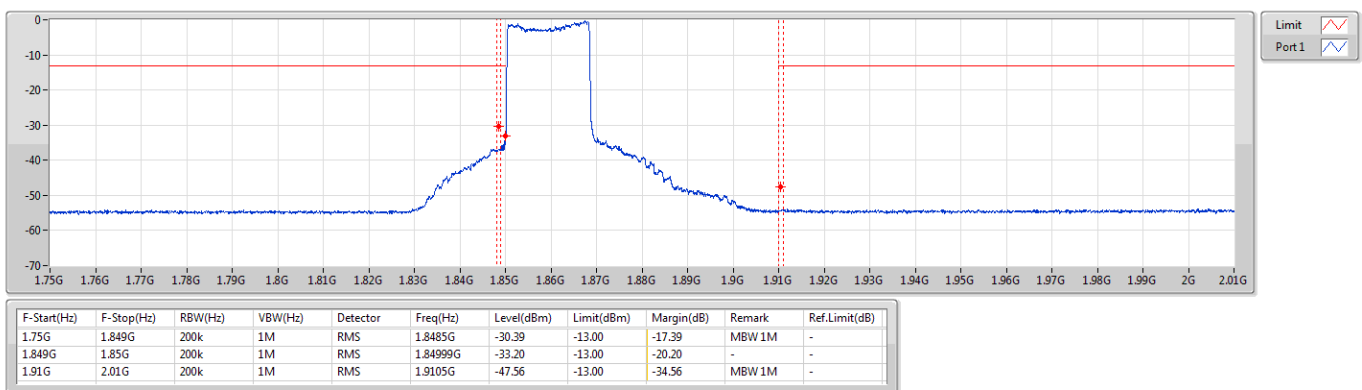
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1860MHz_DFT-s-OFDM_256QAM_Edge_1RB_Left

CSE-TX-Sum



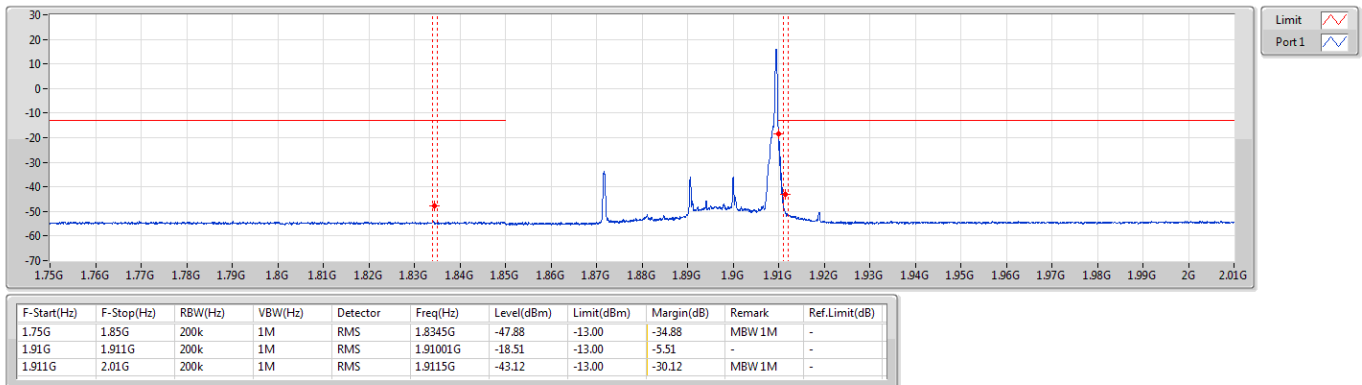
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1860MHz_DFT-s-OFDM_256QAM_Outer_Full

CSE-TX-Sum



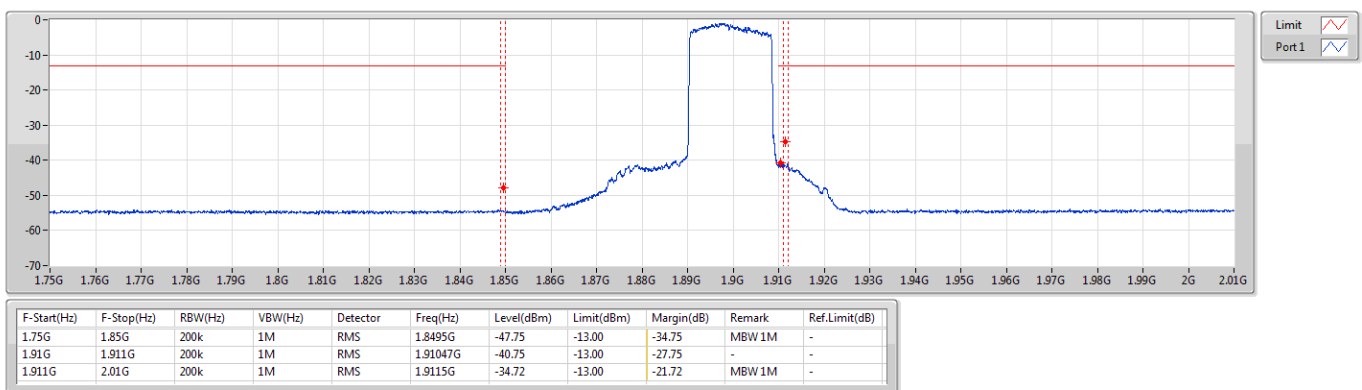
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1900MHz_DFT-s-OFDM_256QAM_Edge_1RB_Right

CSE-TX-Sum



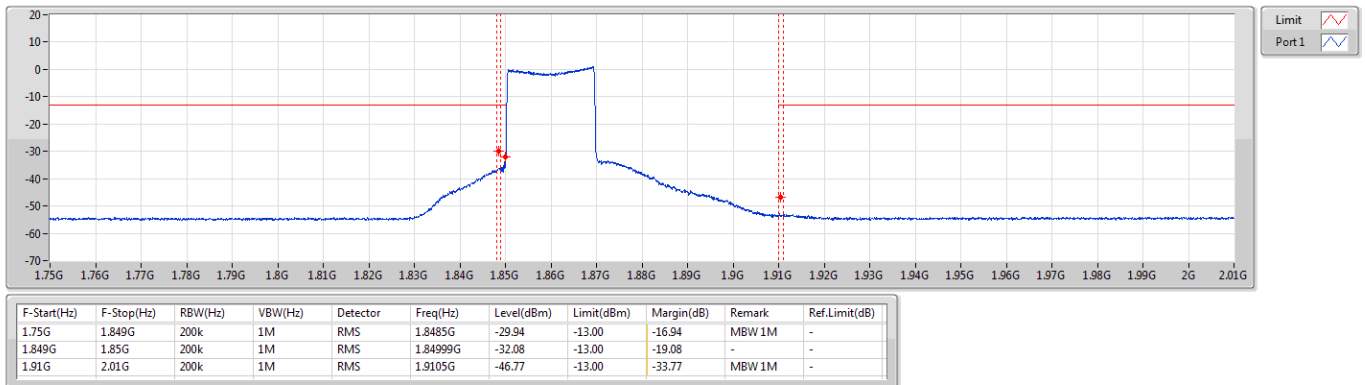
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1900MHz_DFT-s-OFDM_256QAM_Outer_Full

CSE-TX-Sum



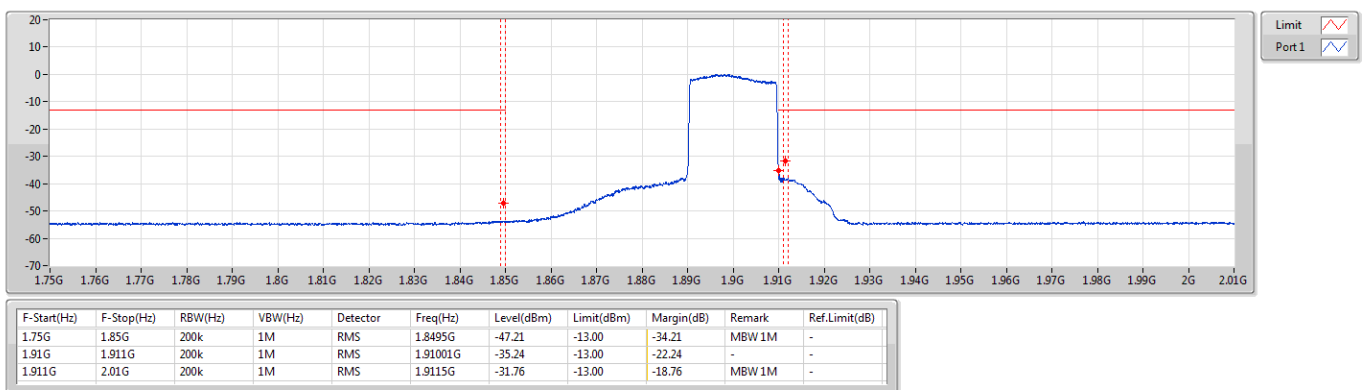
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CSE-TX-Sum



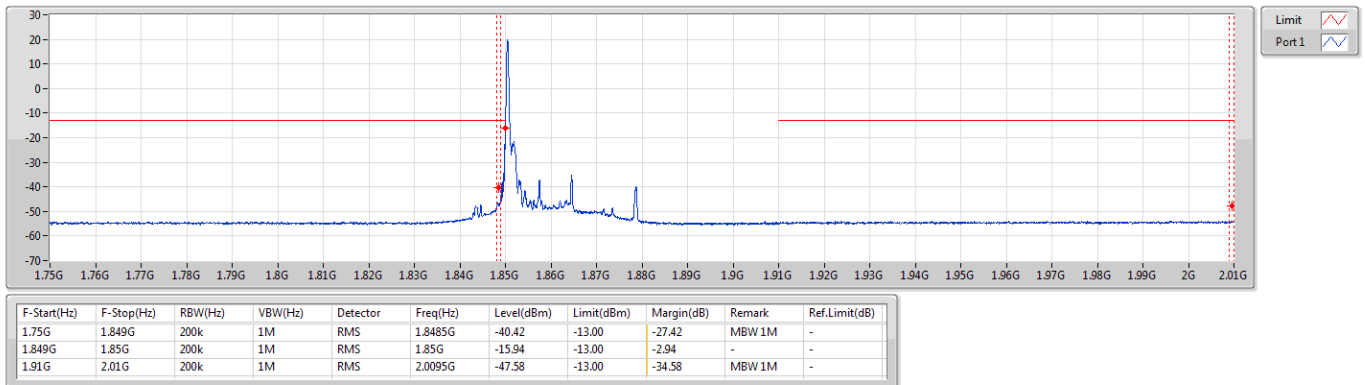
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1900MHz_CP-OFDM_QPSK_Outer_Full

CSE-TX-Sum



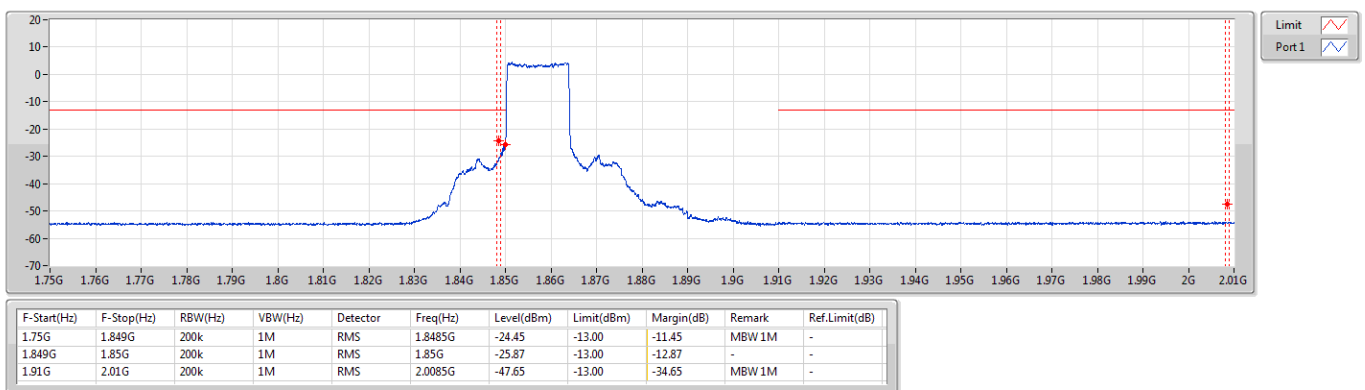
Band n2_NR_15MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX
1857.5MHz_DFT-s-OFDM_PI2BPSK_Edge_1RB_Left

CSE-TX-Sum



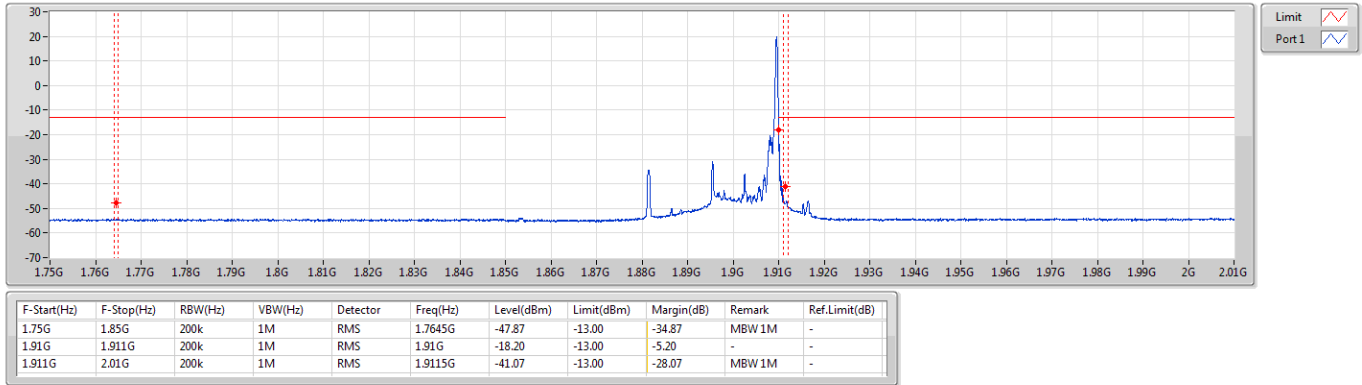
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1857.5MHz_DFT-s-OFDM_PI2BPSK_Outer_Full

CSE-TX-Sum



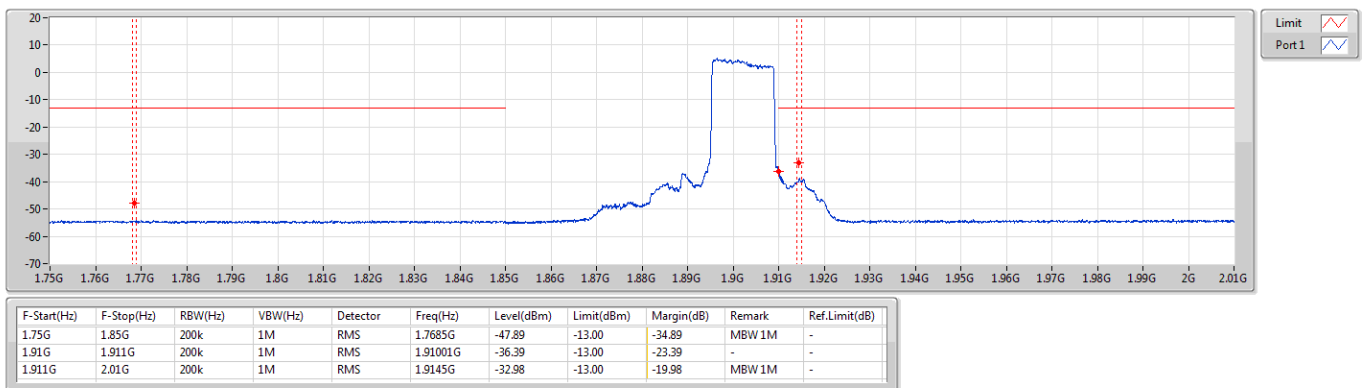
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CSE-TX-Sum



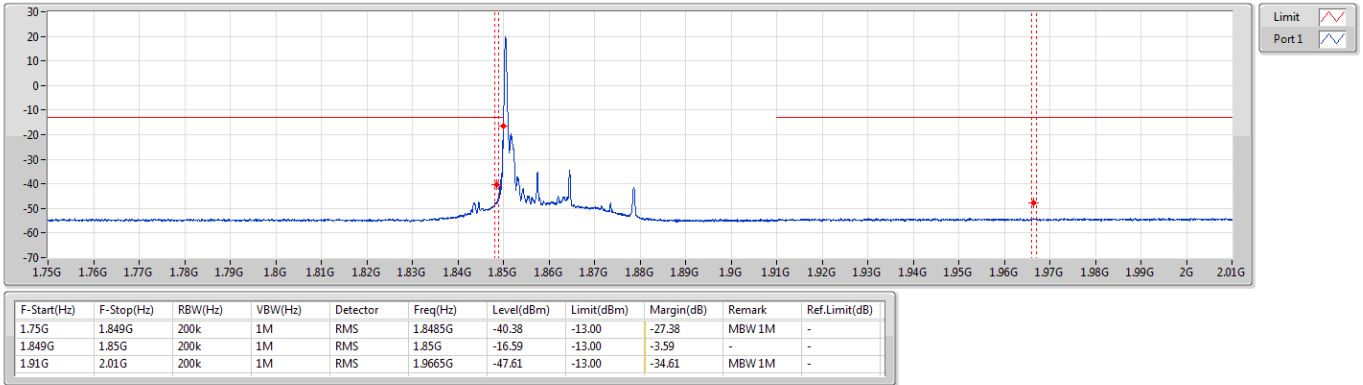
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CSE-TX-Sum



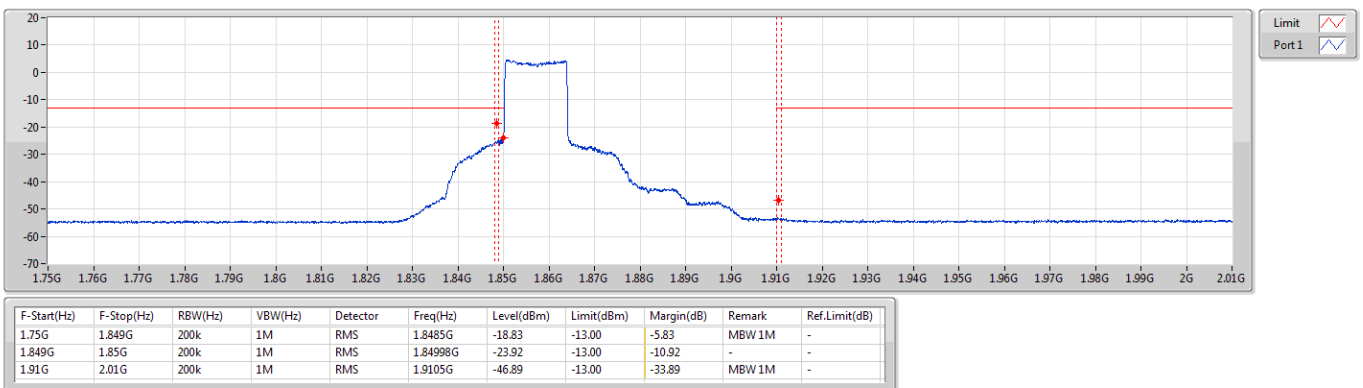
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1857.5MHz_DFT-s-OFDM_QPSK_Edge_1RB_Left

CSE-TX-Sum



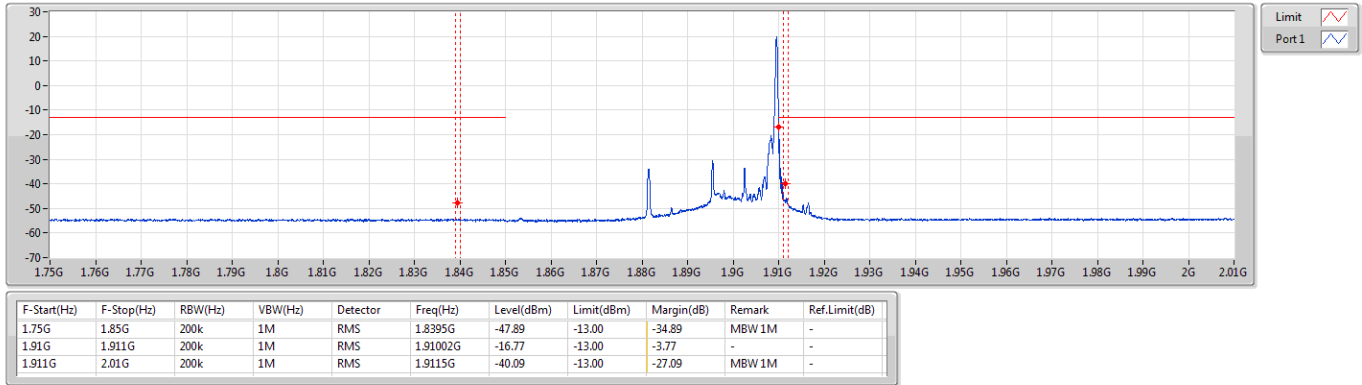
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CSE-TX-Sum



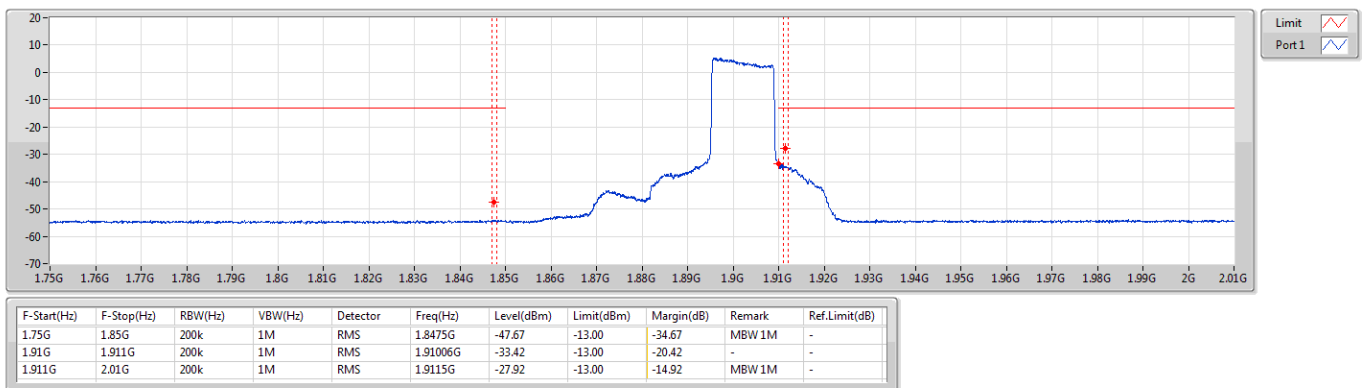
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1902.5MHz_DFT-s-OFDM_QPSK_Edge_1RB_Right

CSE-TX-Sum



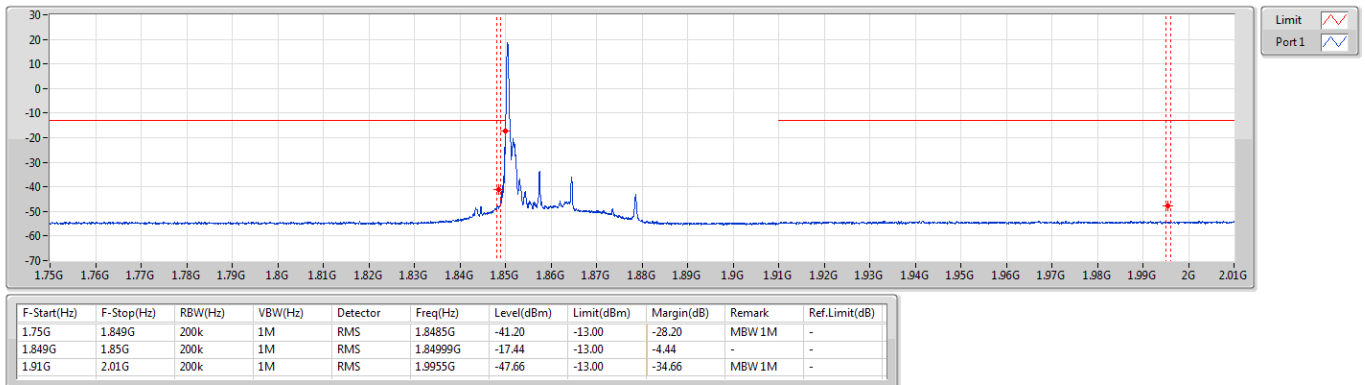
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CSE-TX-Sum



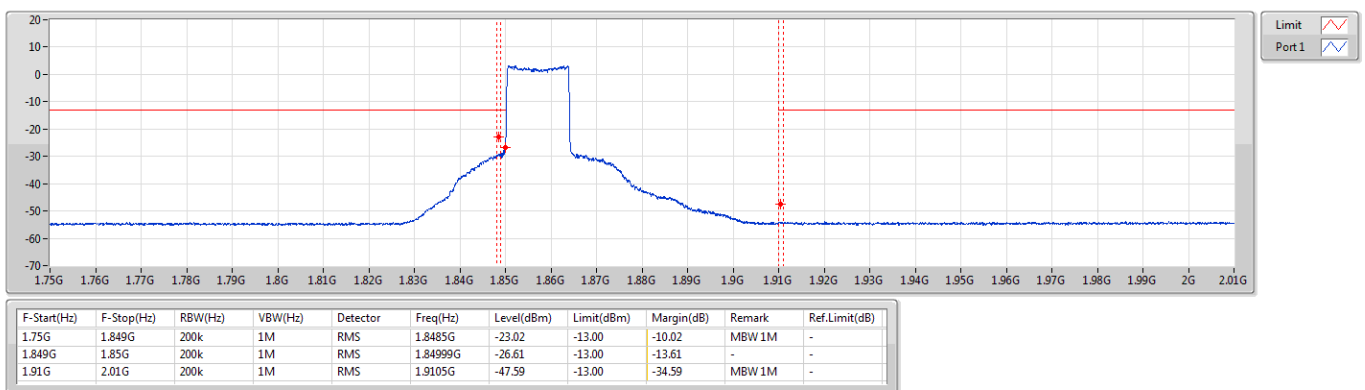
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1857.5MHz_DFT-s-OFDM_16QAM_Edge_1RB_Left

CSE-TX-Sum



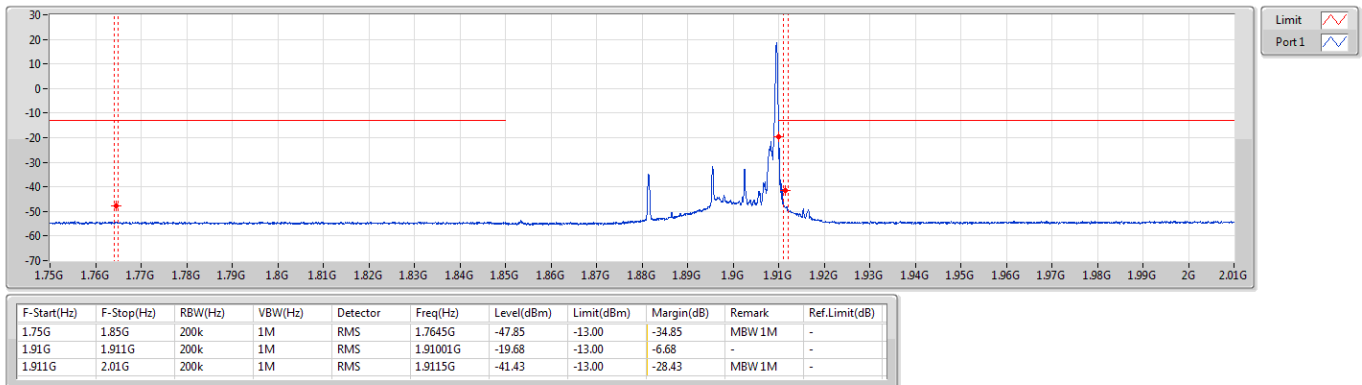
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1857.5MHz_DFT-s-OFDM_16QAM_Outer_Full

CSE-TX-Sum



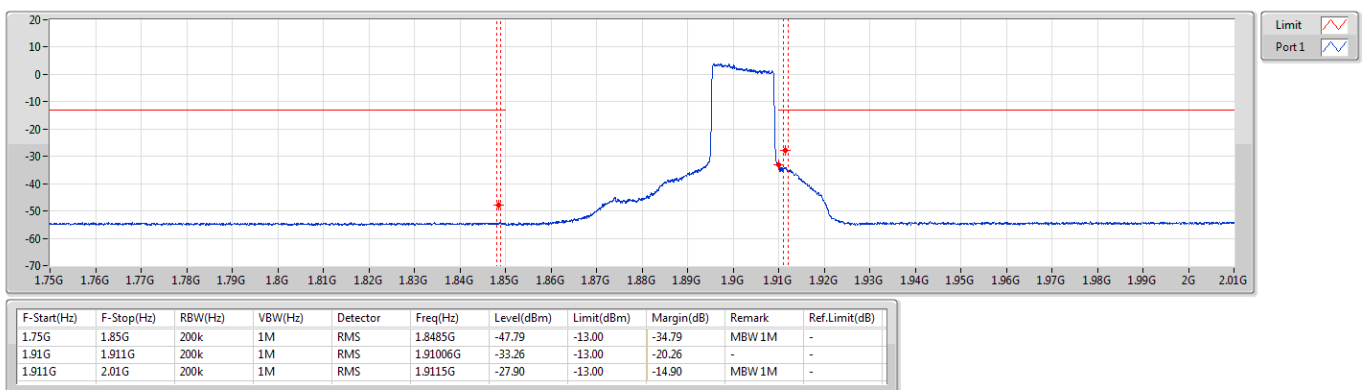
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CSE-TX-Sum



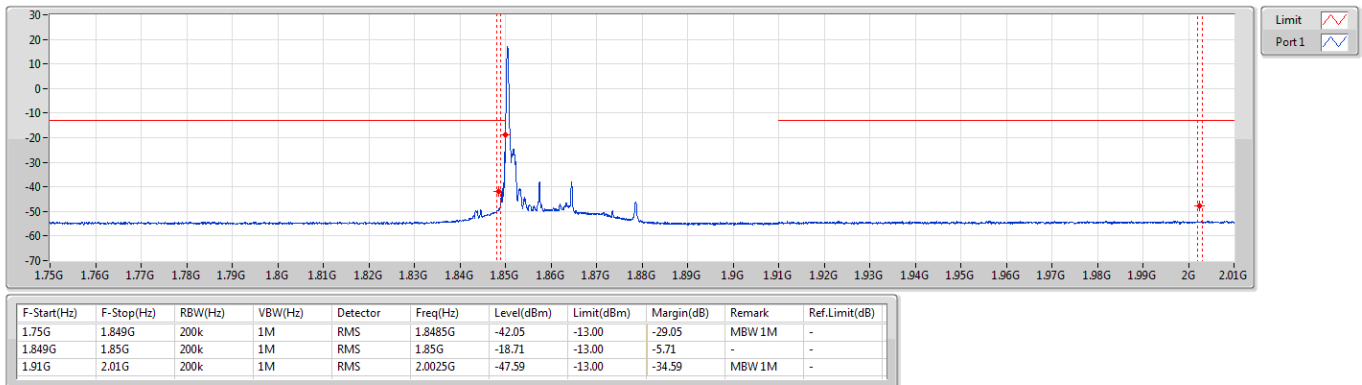
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CSE-TX-Sum



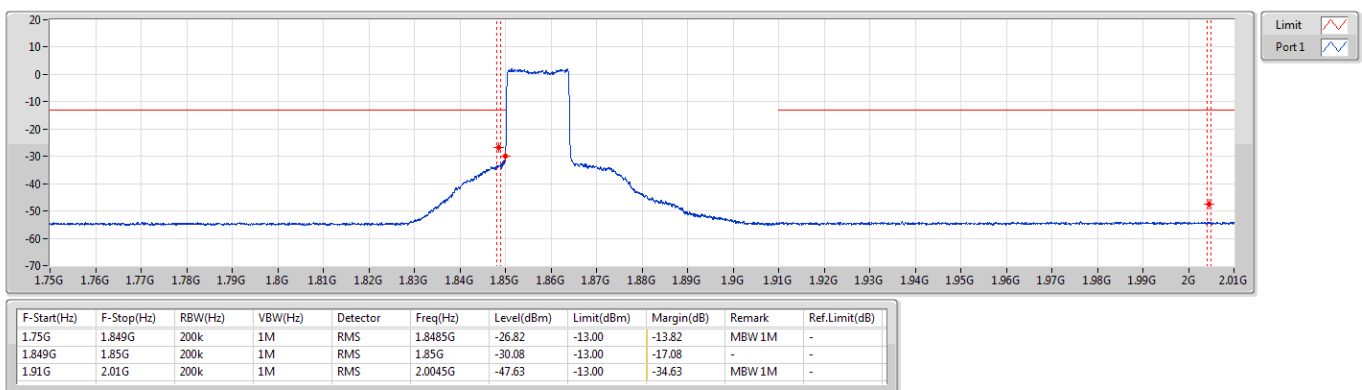
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1857.5MHz_DFT-s-OFDM_64QAM_Edge_1RB_Left

CSE-TX-Sum



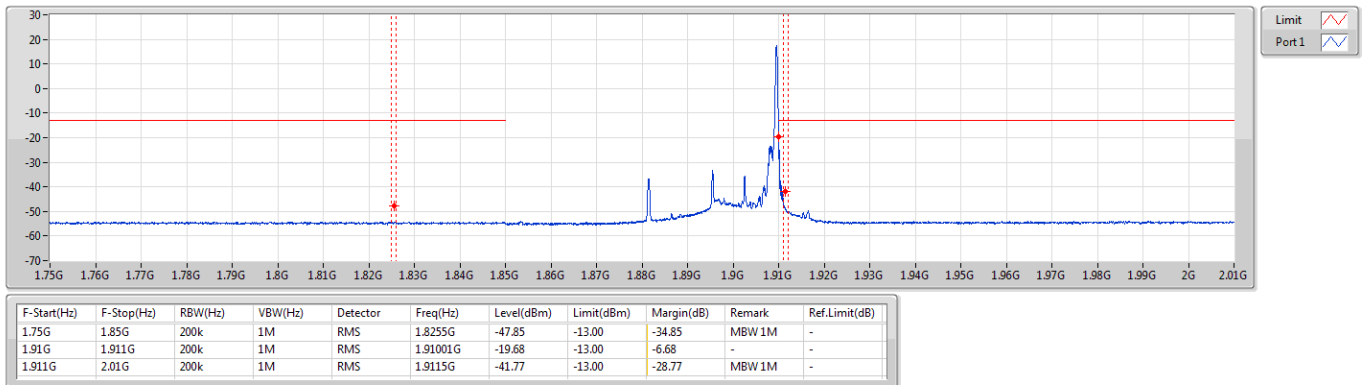
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CSE-TX-Sum



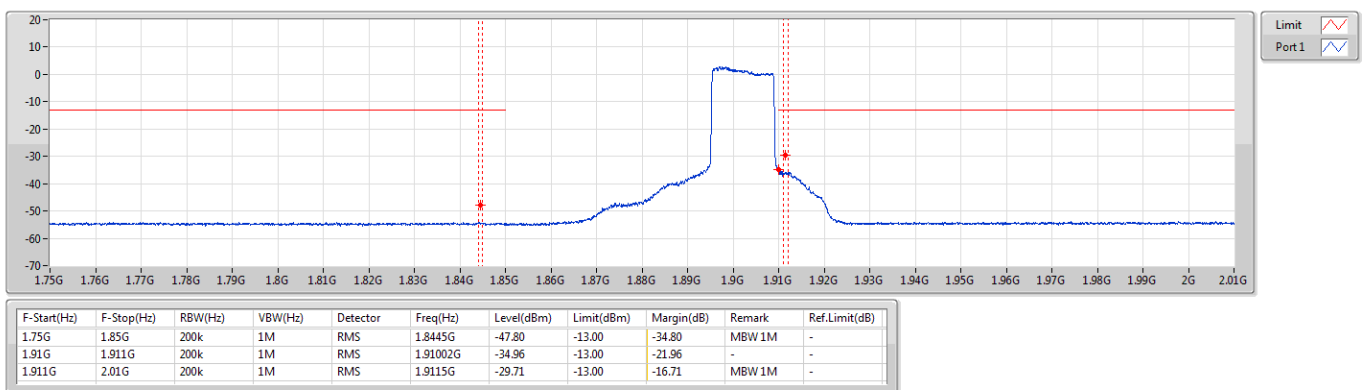
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1902.5MHz_DFT-s-OFDM_64QAM_Edge_1RB_Right

CSE-TX-Sum



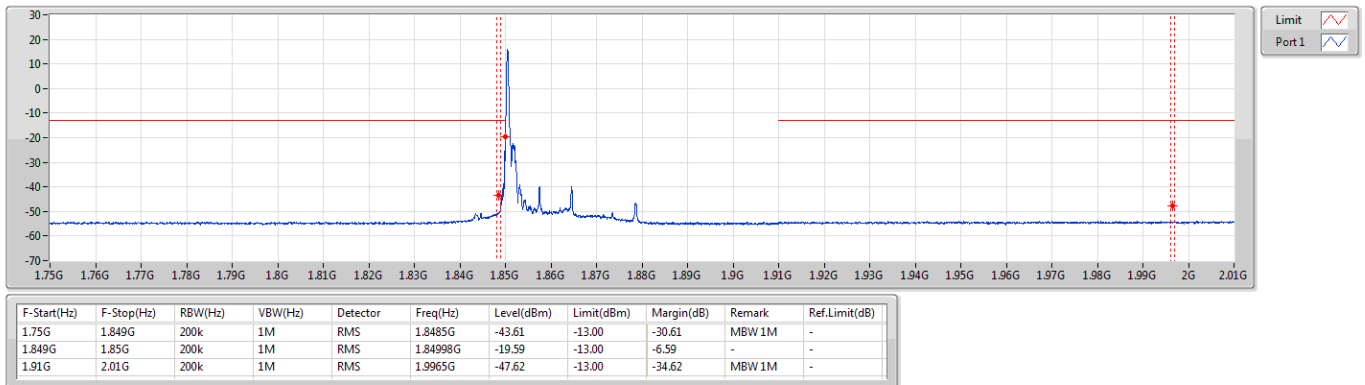
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1902.5MHz_DFT-s-OFDM_64QAM_Outer_Full

CSE-TX-Sum



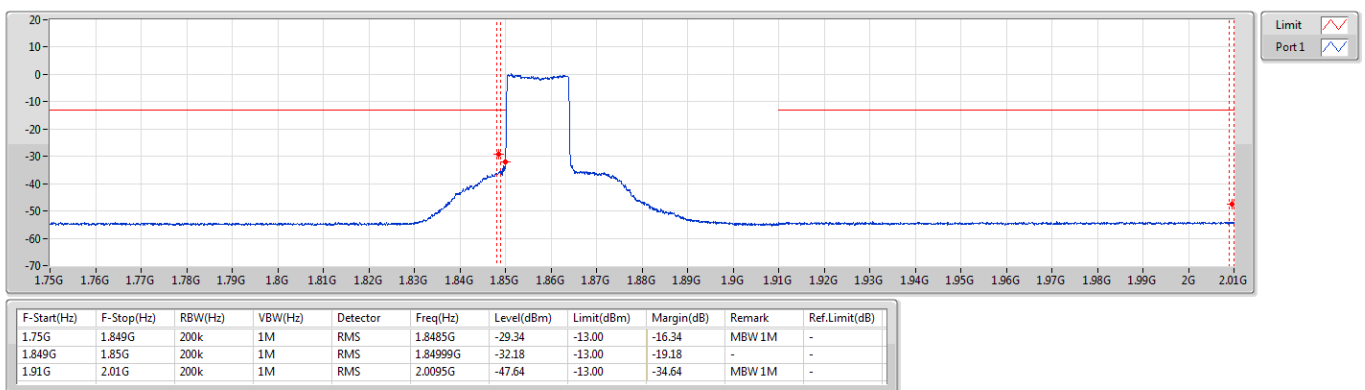
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1857.5MHz_DFT-s-OFDM_256QAM_Edge_1RB_Left

CSE-TX-Sum



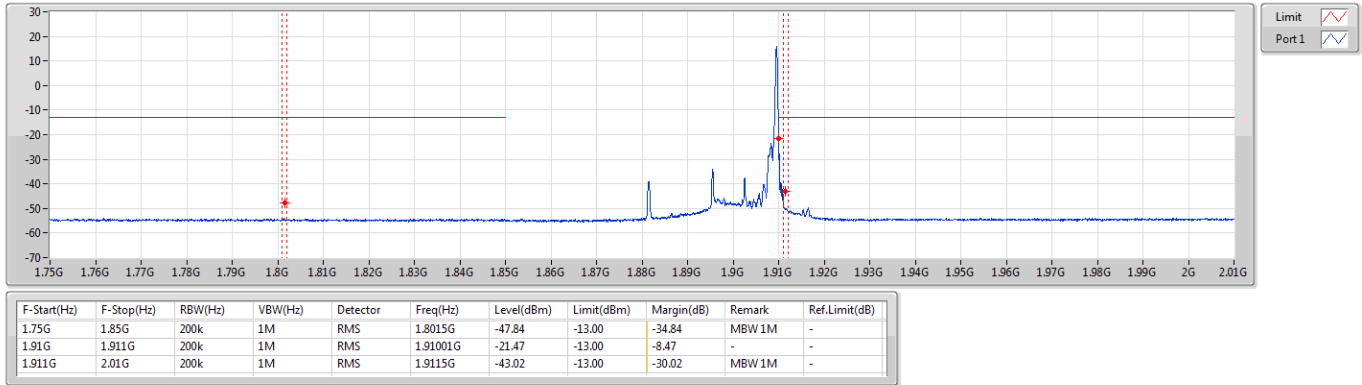
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CSE-TX-Sum



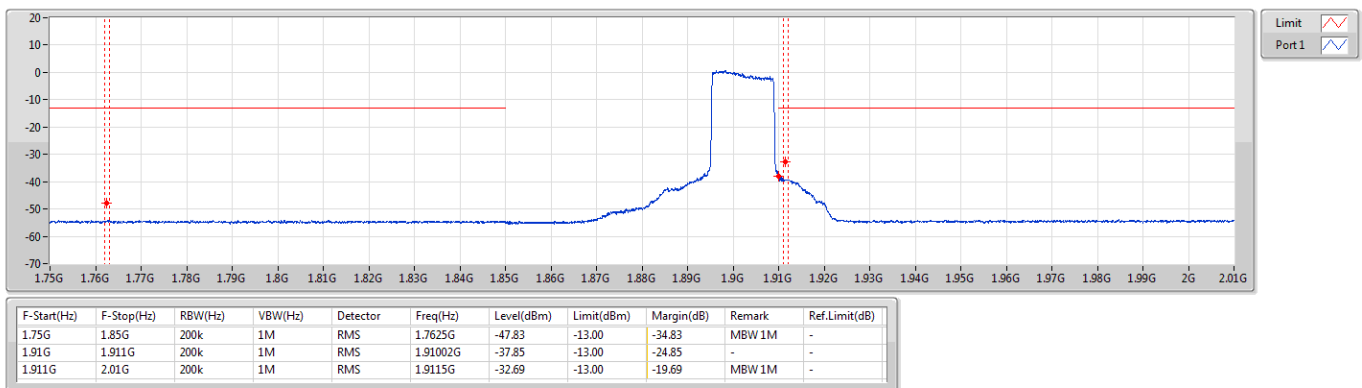
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CSE-TX-Sum



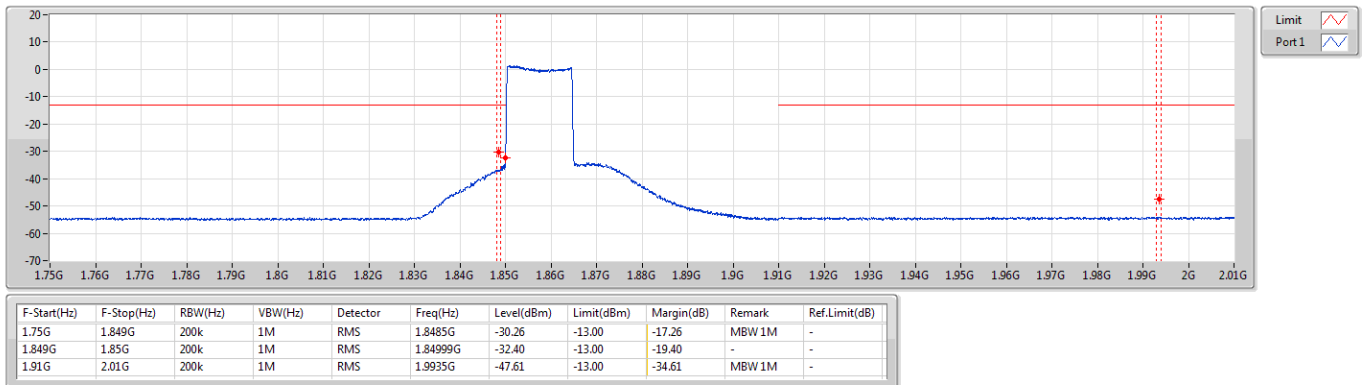
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CSE-TX-Sum



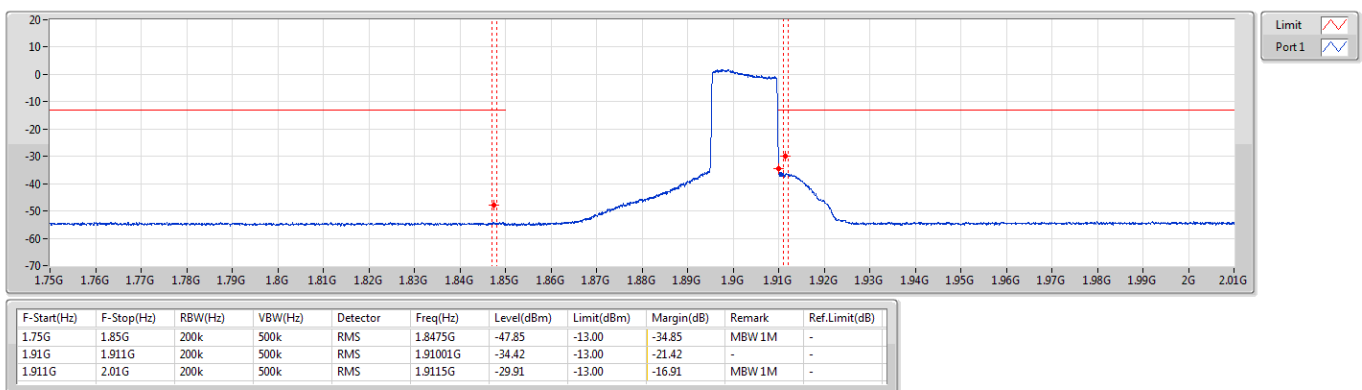
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CSE-TX-Sum



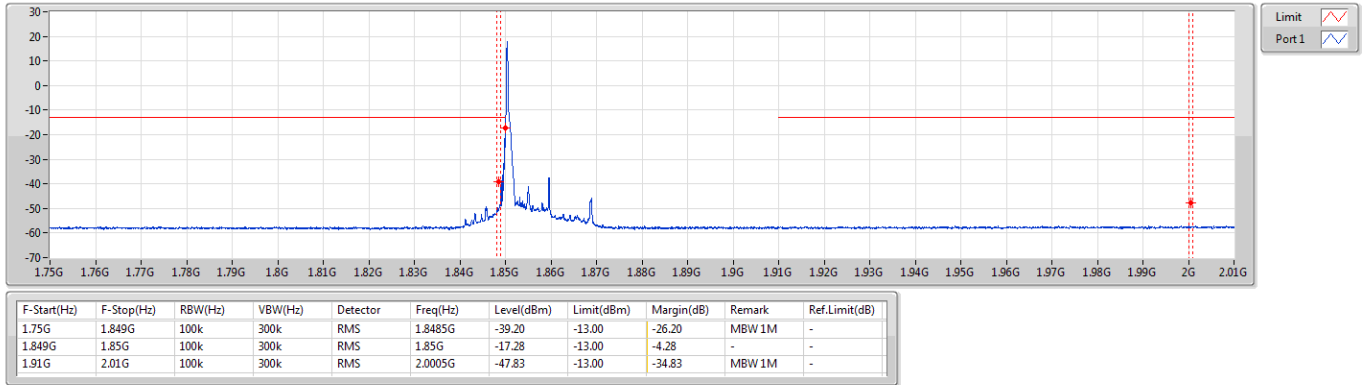
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CSE-TX-Sum



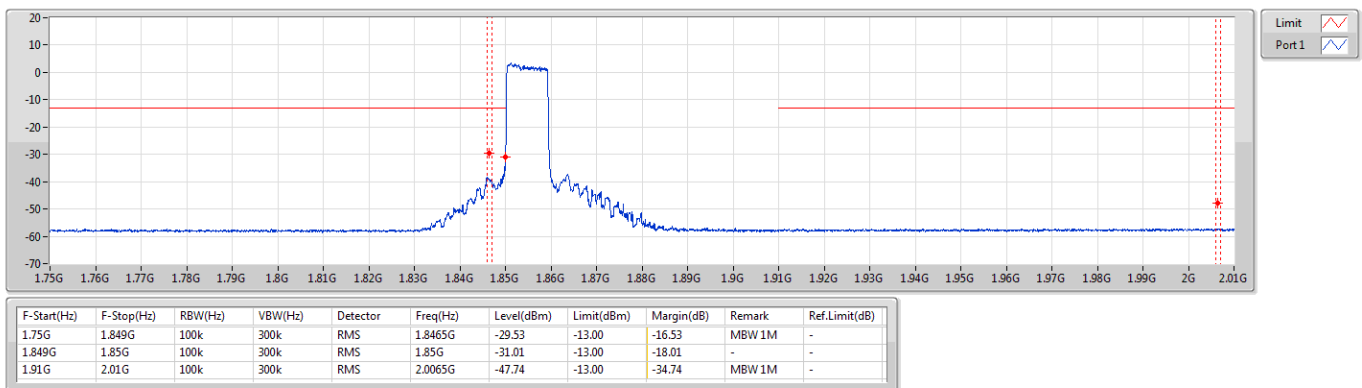
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CSE-TX-Sum



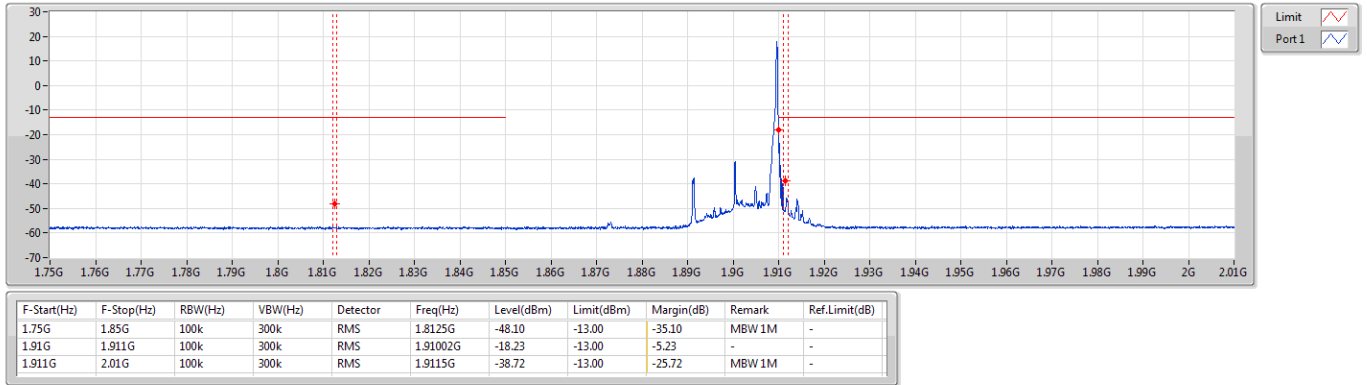
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CSE-TX-Sum



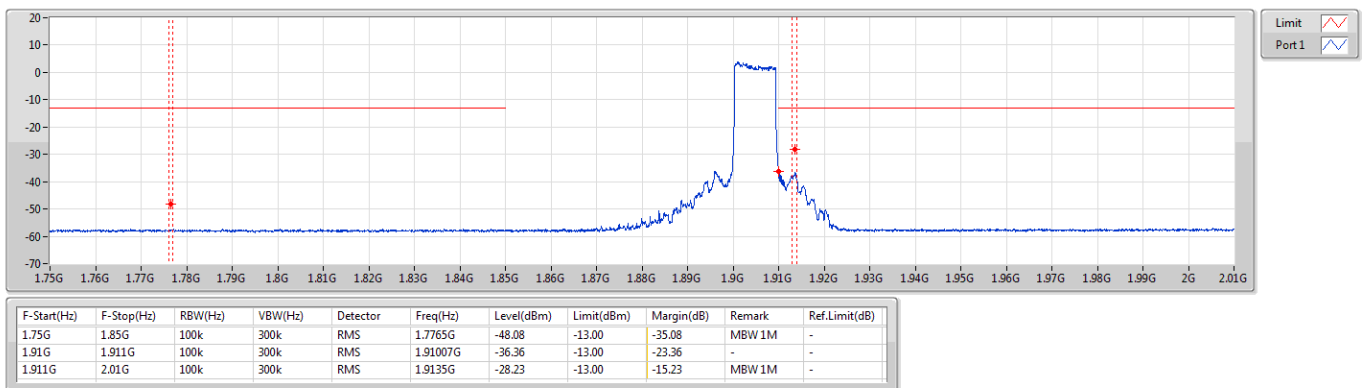
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CSE-TX-Sum



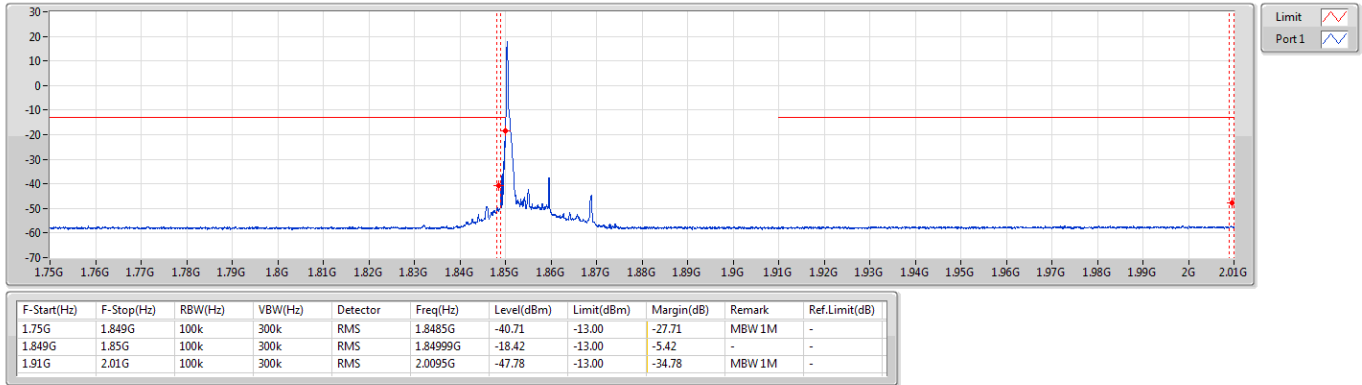
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CSE-TX-Sum



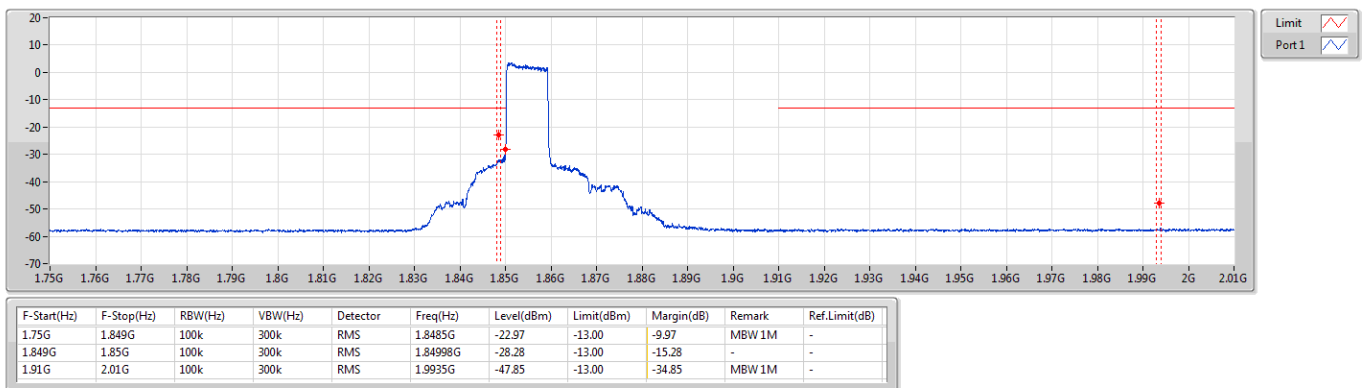
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CSE-TX-Sum



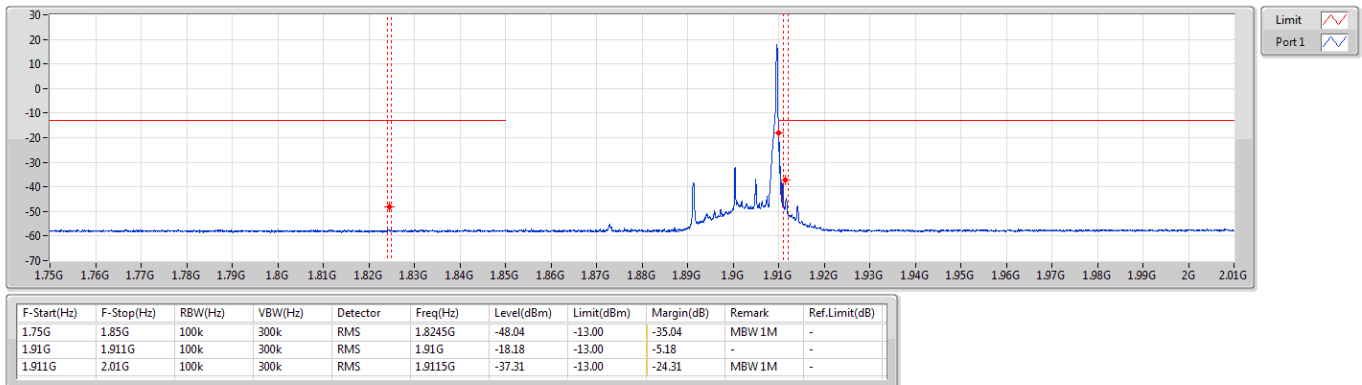
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CSE-TX-Sum



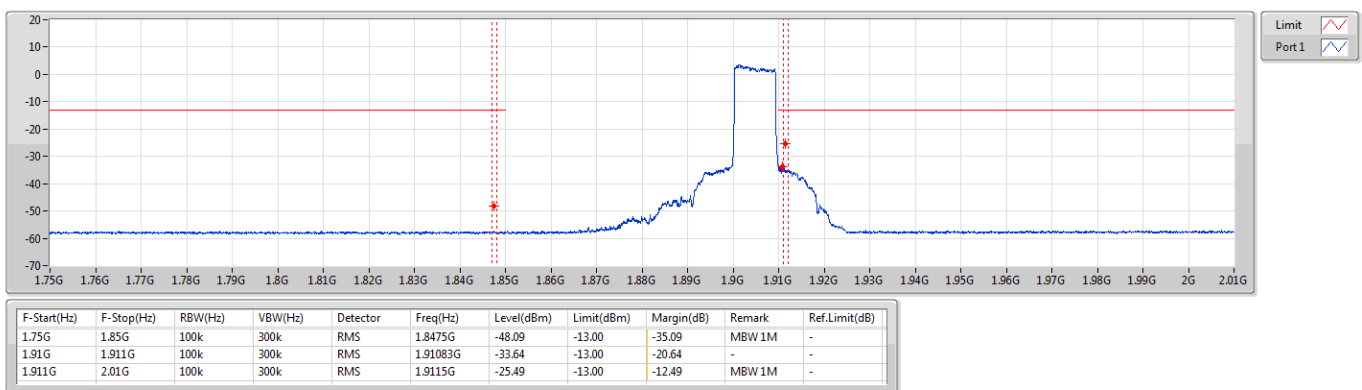
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CSE-TX-Sum



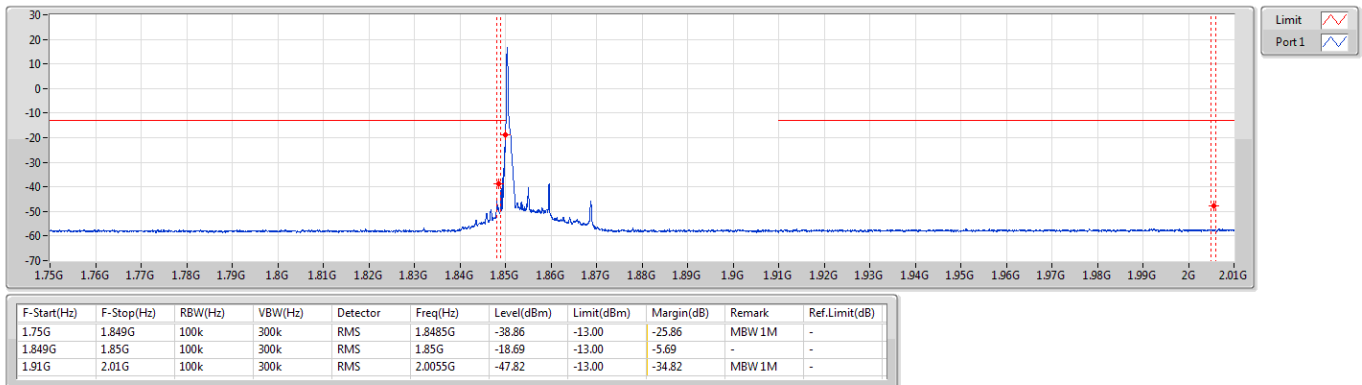
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CSE-TX-Sum



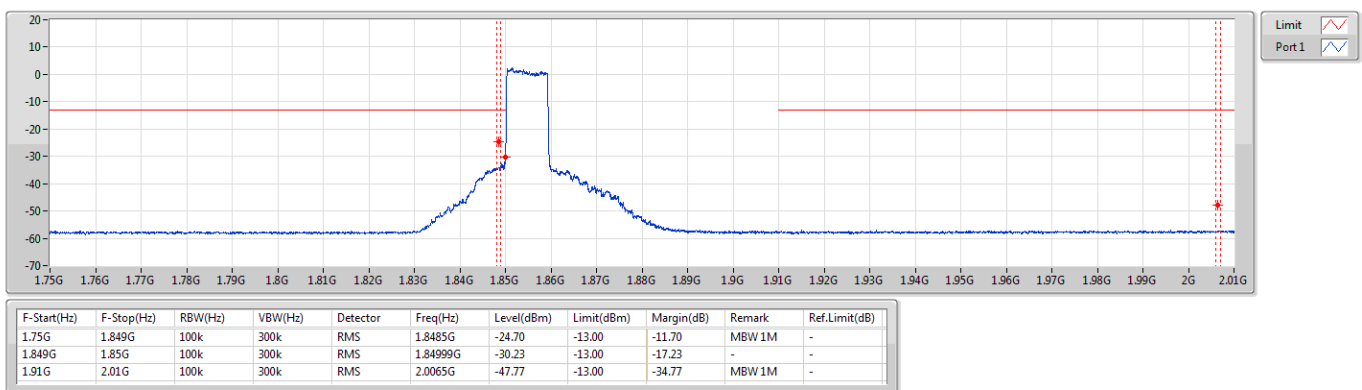
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CSE-TX-Sum



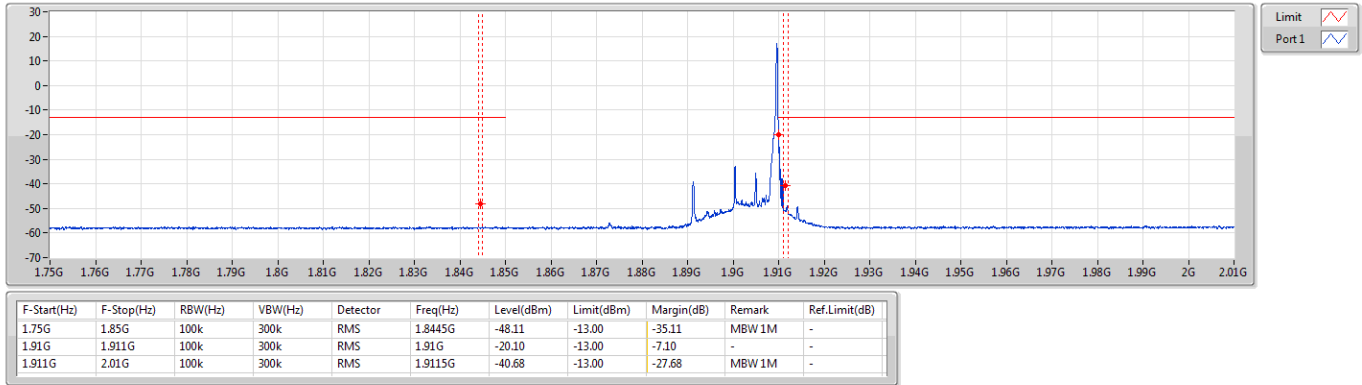
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CSE-TX-Sum



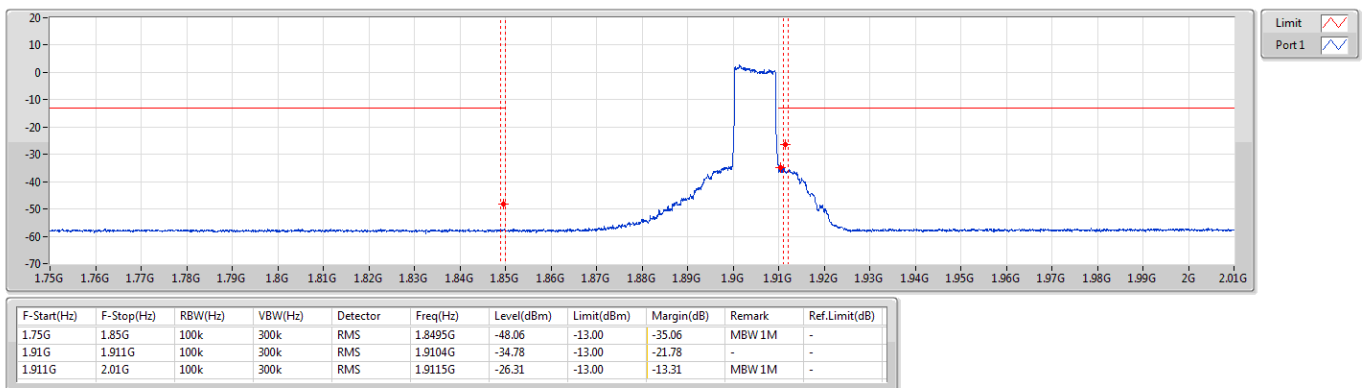
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CSE-TX-Sum



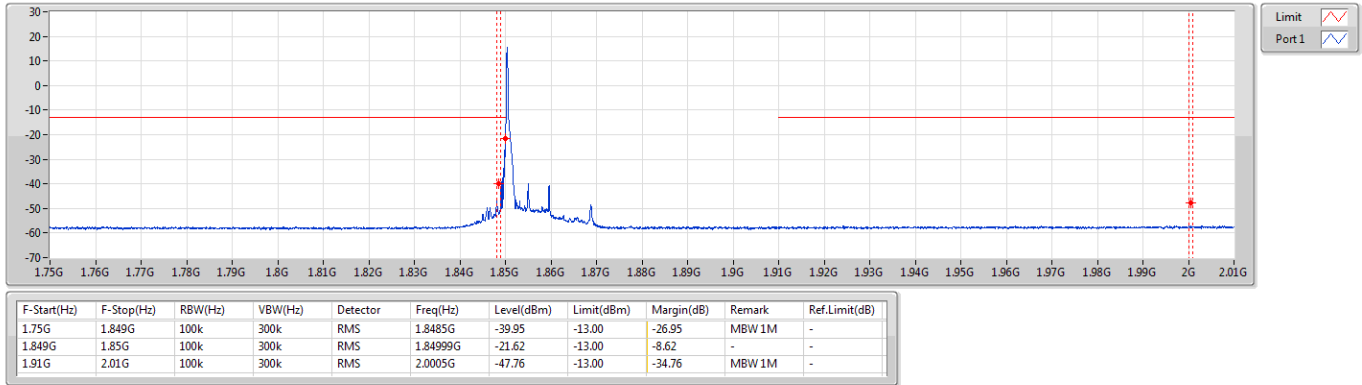
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CSE-TX-Sum



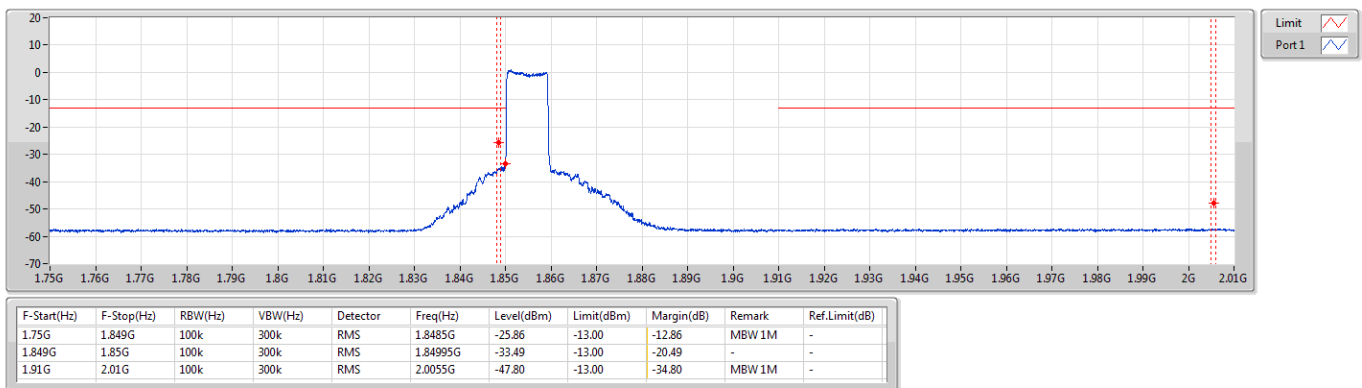
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CSE-TX-Sum



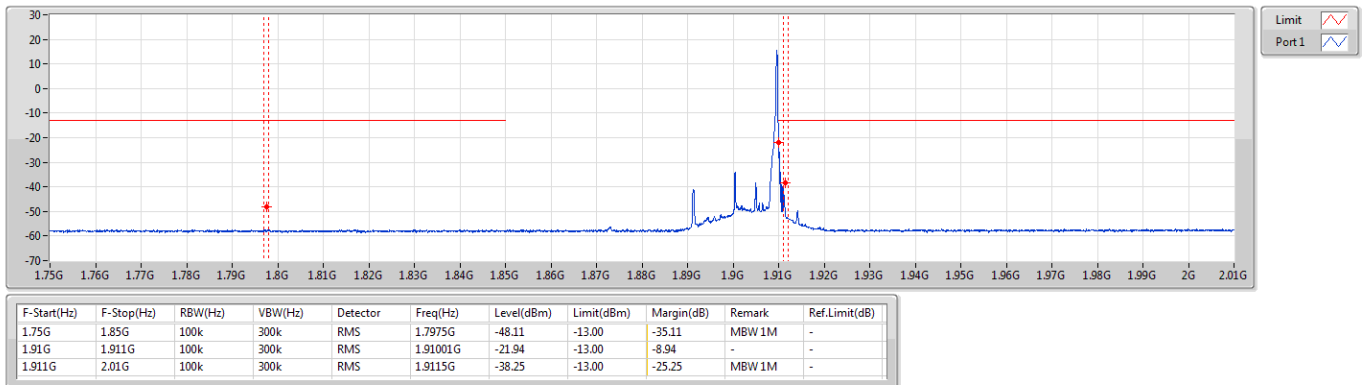
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CSE-TX-Sum



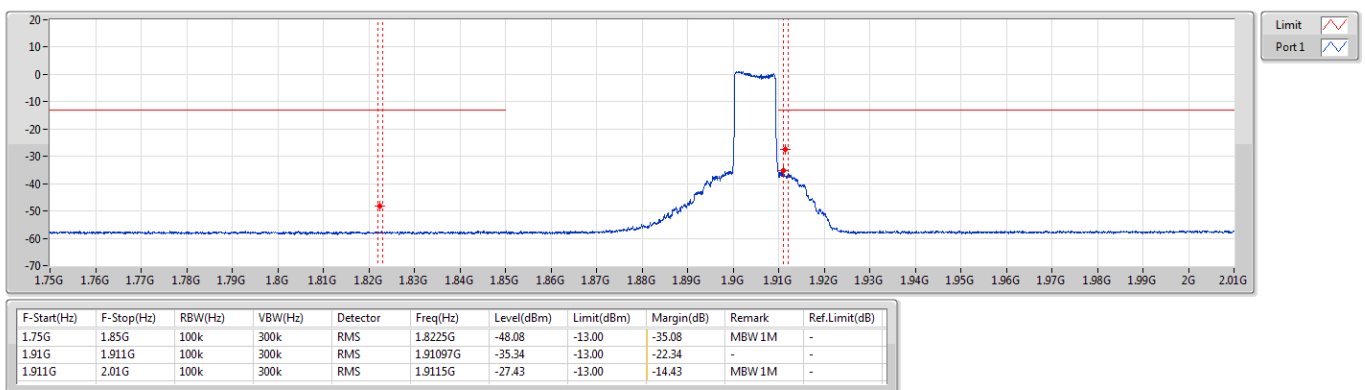
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CSE-TX-Sum



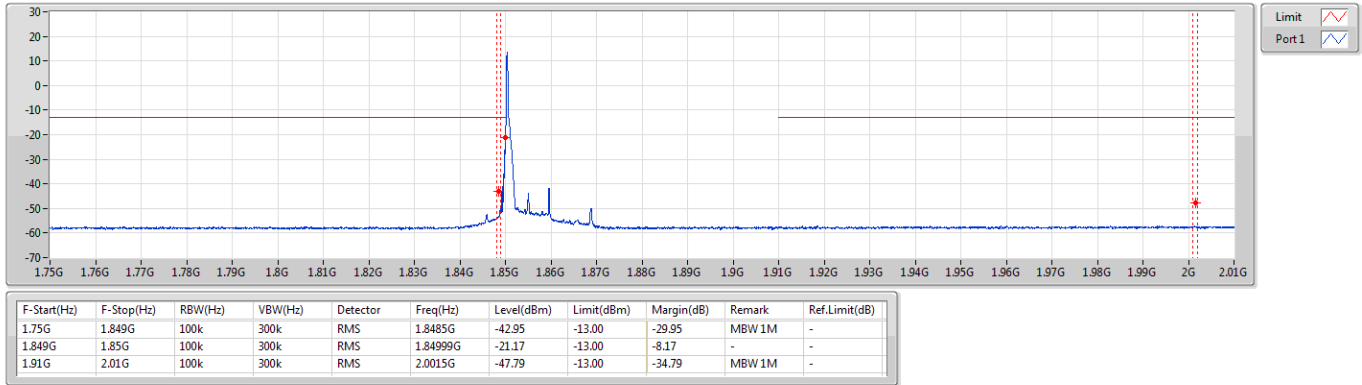
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CSE-TX-Sum



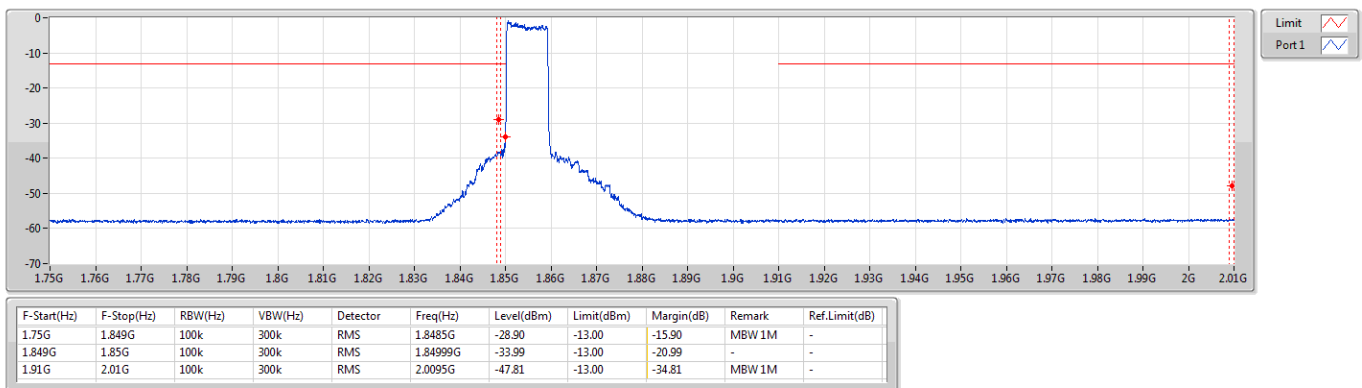
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1855MHz_DFT-s-OFDM_256QAM_Edge_1RB_Left

CSE-TX-Sum



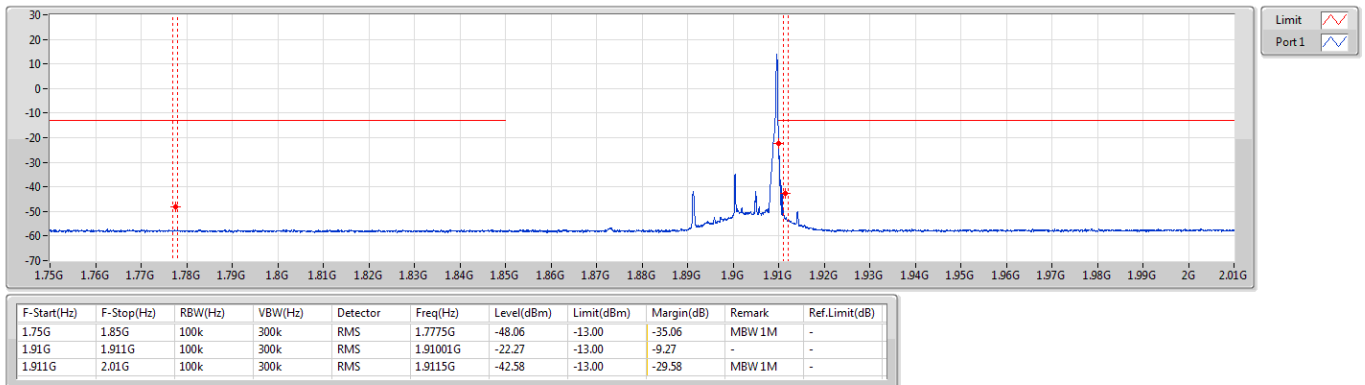
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CSE-TX-Sum



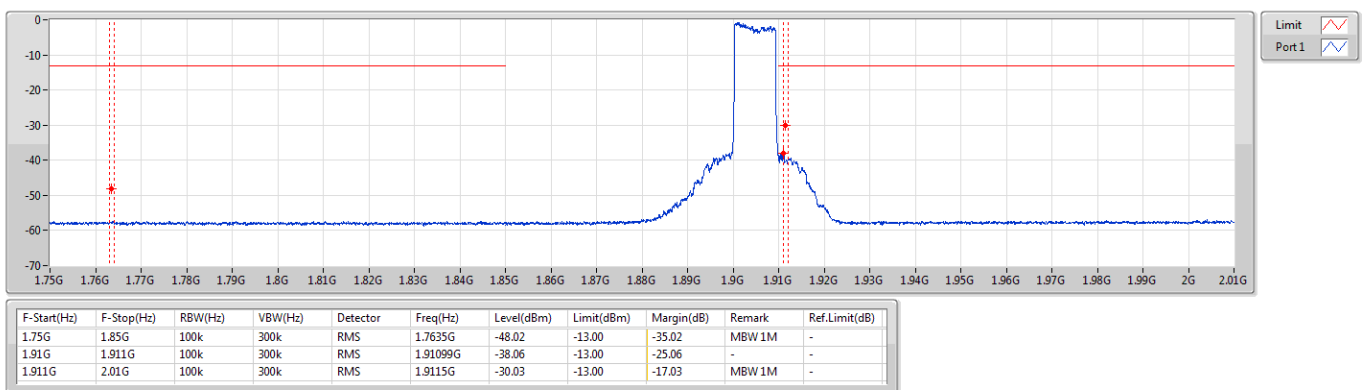
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CSE-TX-Sum



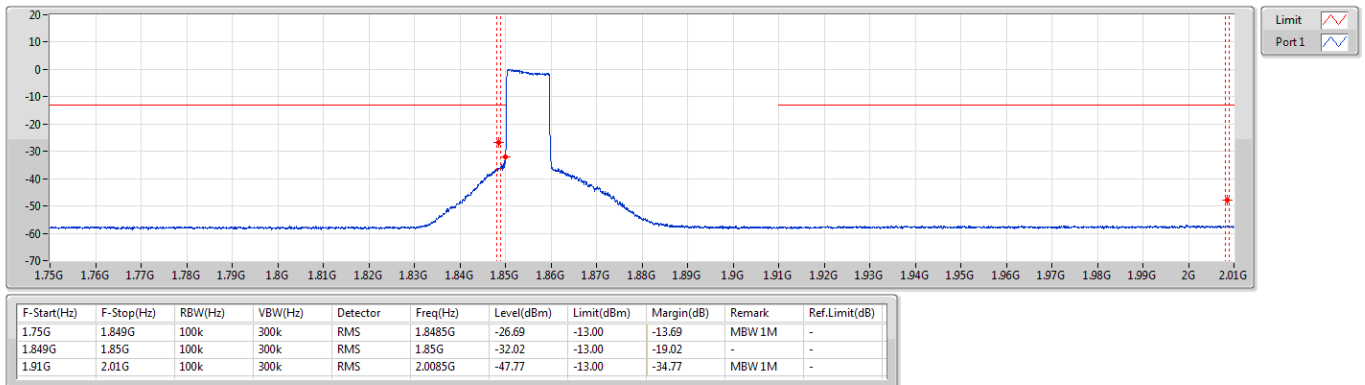
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CSE-TX-Sum



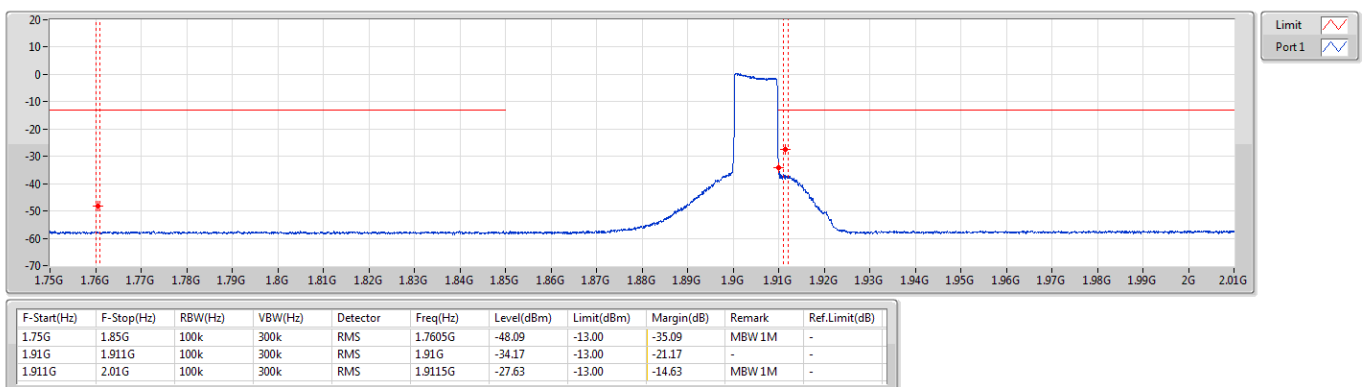
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CSE-TX-Sum



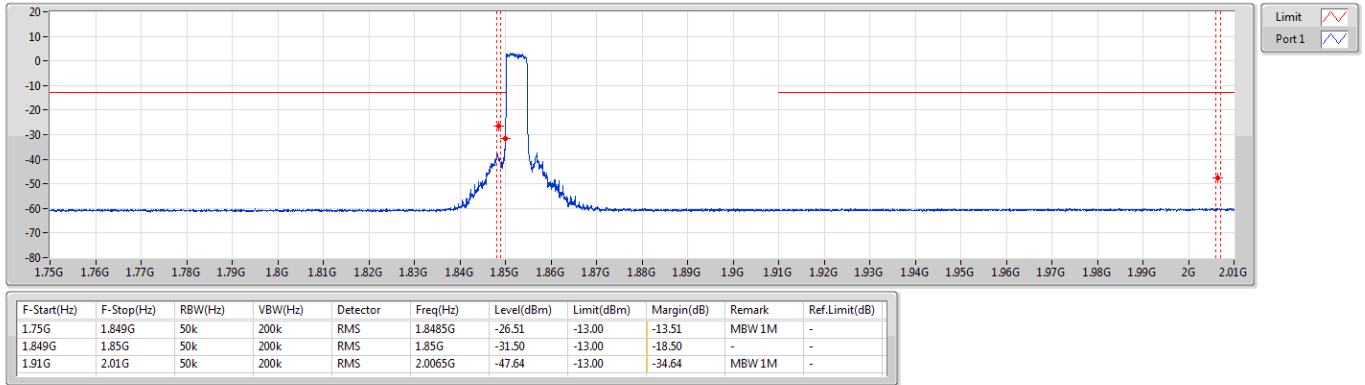
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CSE-TX-Sum



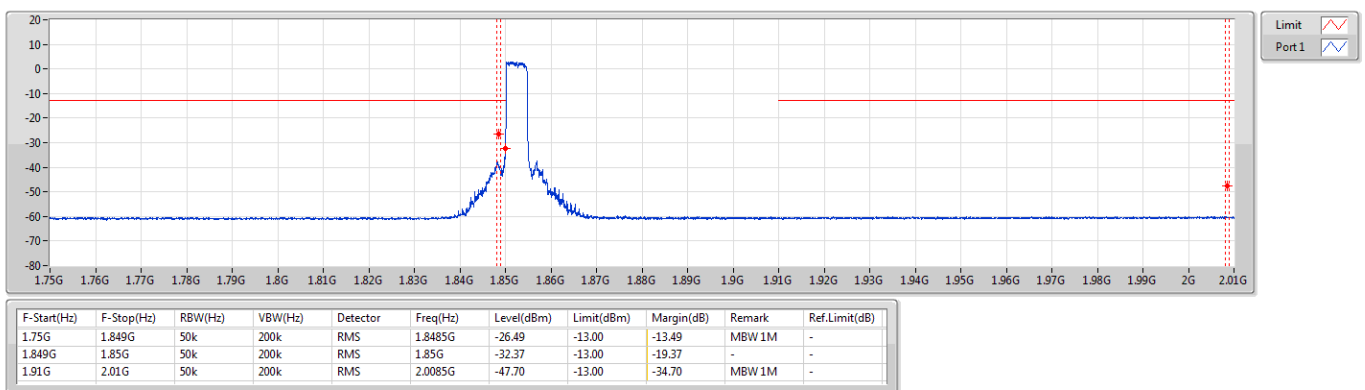
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CSE-TX-Sum



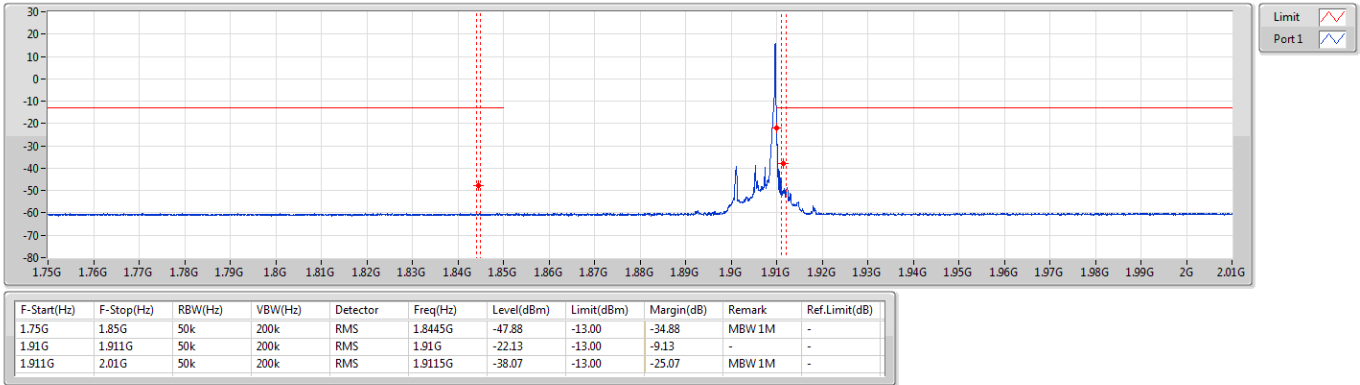
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CSE-TX-Sum



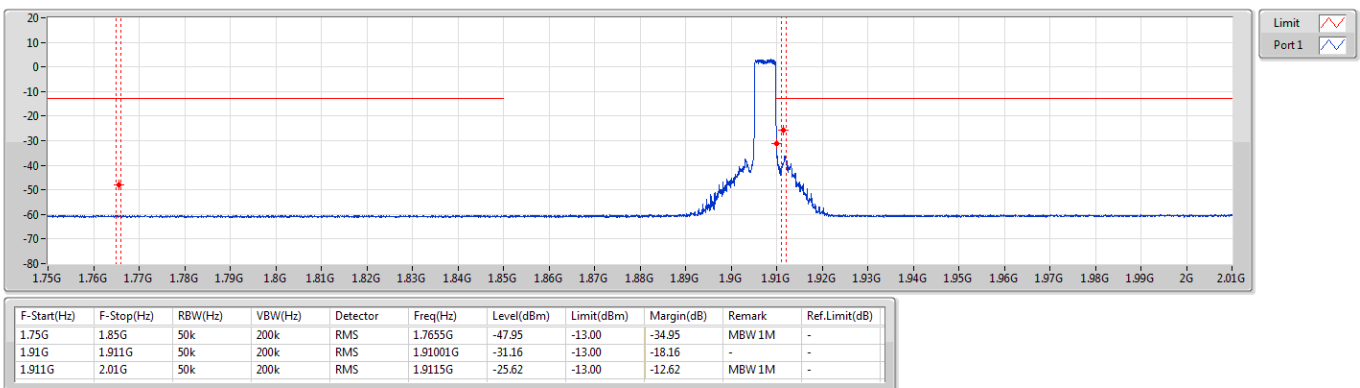
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1907.5MHz_DFT-s-OFDM_PI2BPSK_Edge_1RB_Right

CSE-TX-Sum



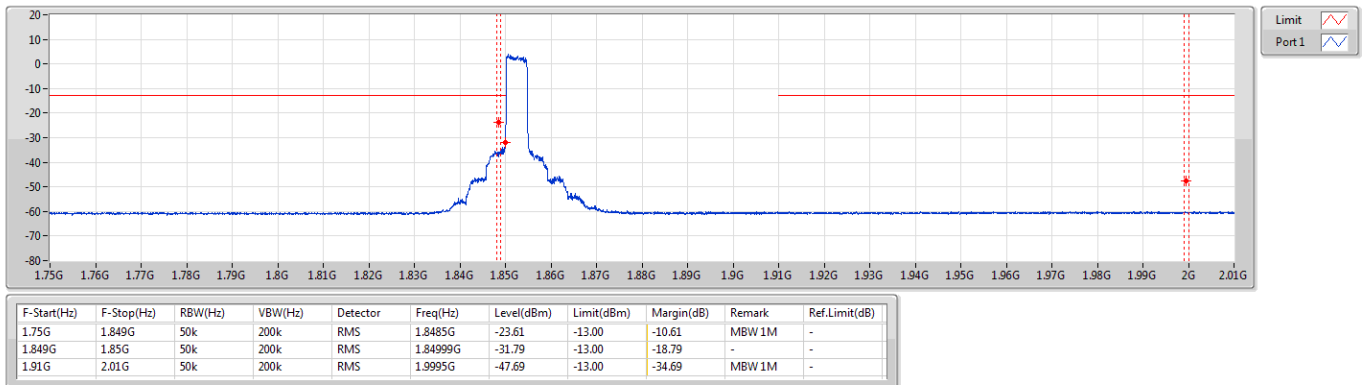
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CSE-TX-Sum



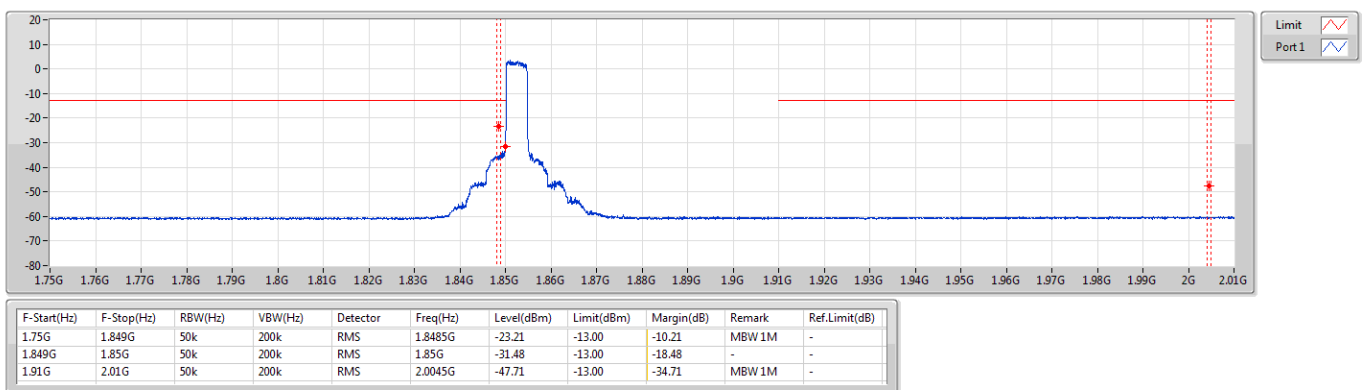
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CSE-TX-Sum



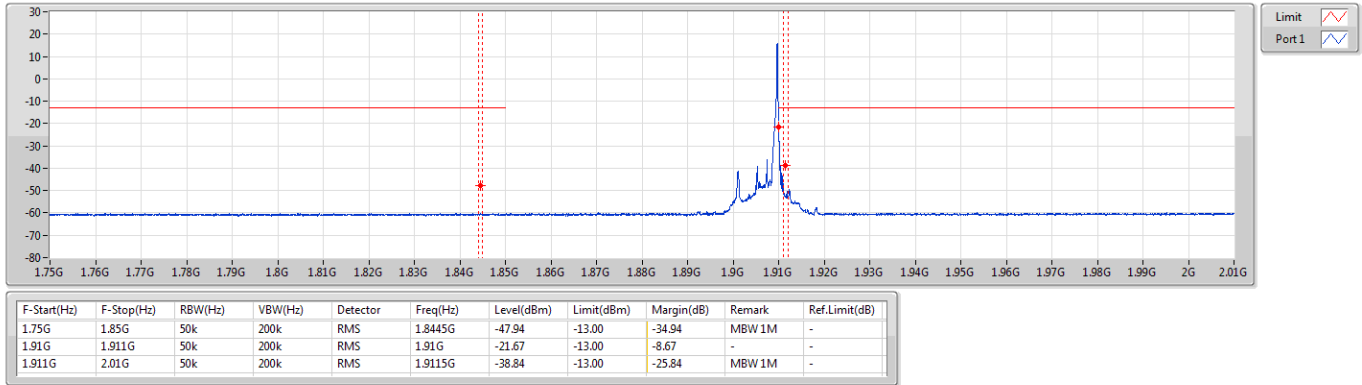
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CSE-TX-Sum



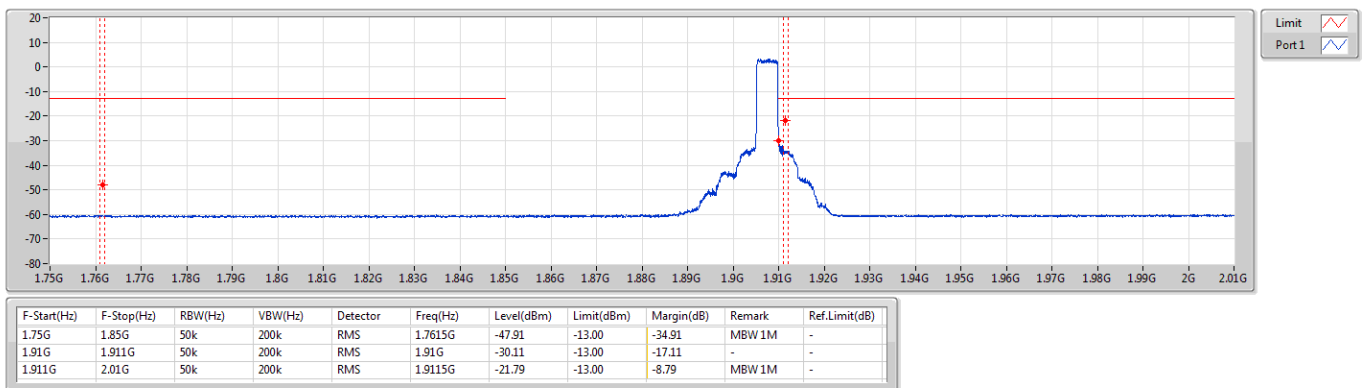
Band n2_NR_5MHz_Nss1,MbpsFT-s-OFDMCS_QPSK_1TX
1907.5MHz_DFT-s-OFDM_QPSK_Edge_1RB_Right

CSE-TX-Sum



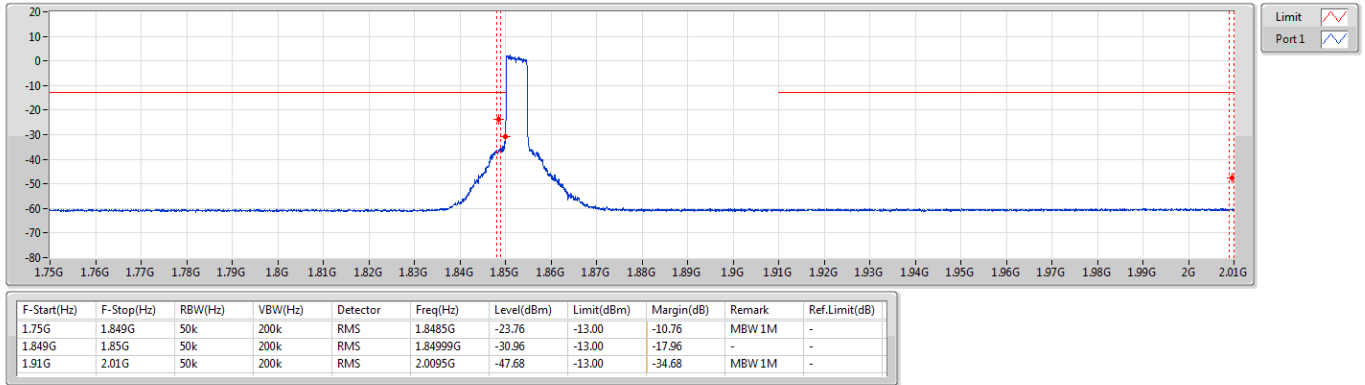
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1907.5MHz_DFT-s-OFDM_QPSK_Outer_Full

CSE-TX-Sum



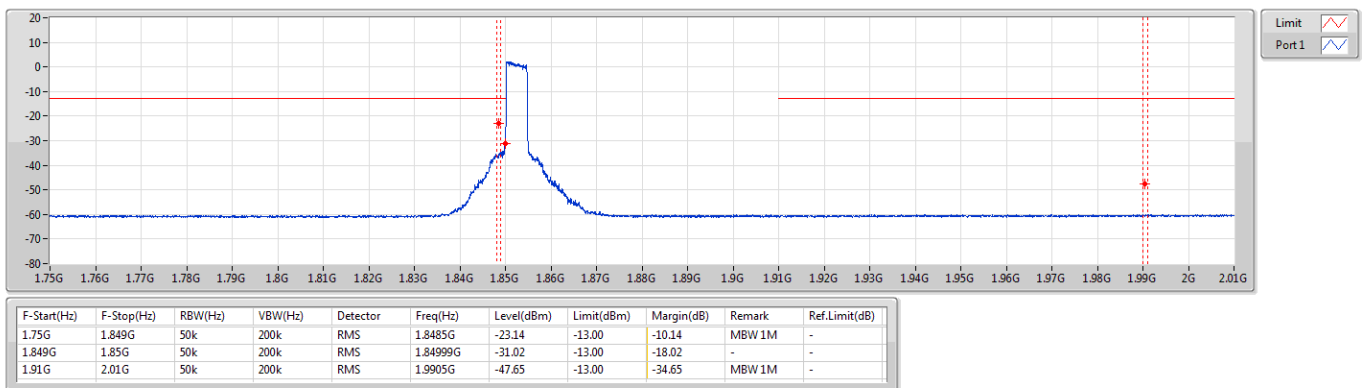
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1852.5MHz_DFT-s-OFDM_16QAM_Edge_1RB_Left

CSE-TX-Sum



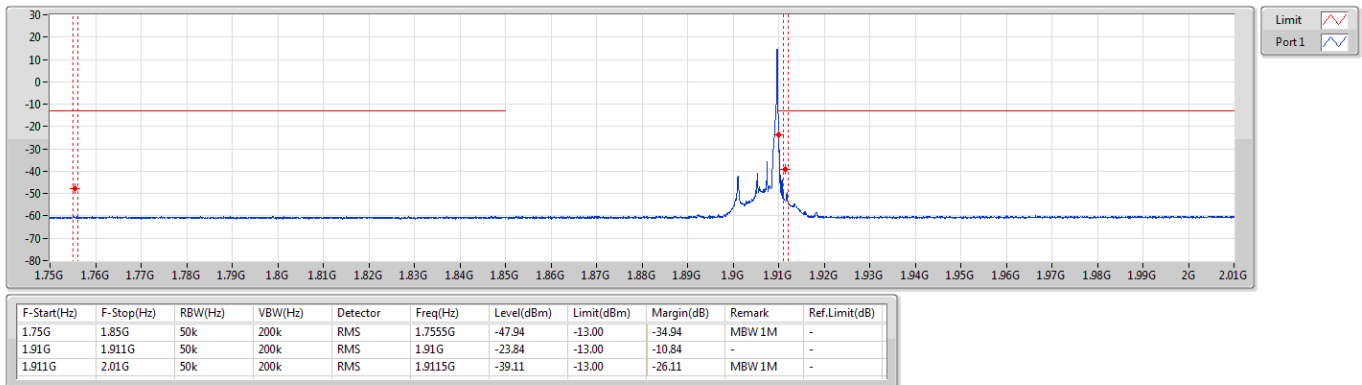
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1852.5MHz_DFT-s-OFDM_16QAM_Outer_Full

CSE-TX-Sum



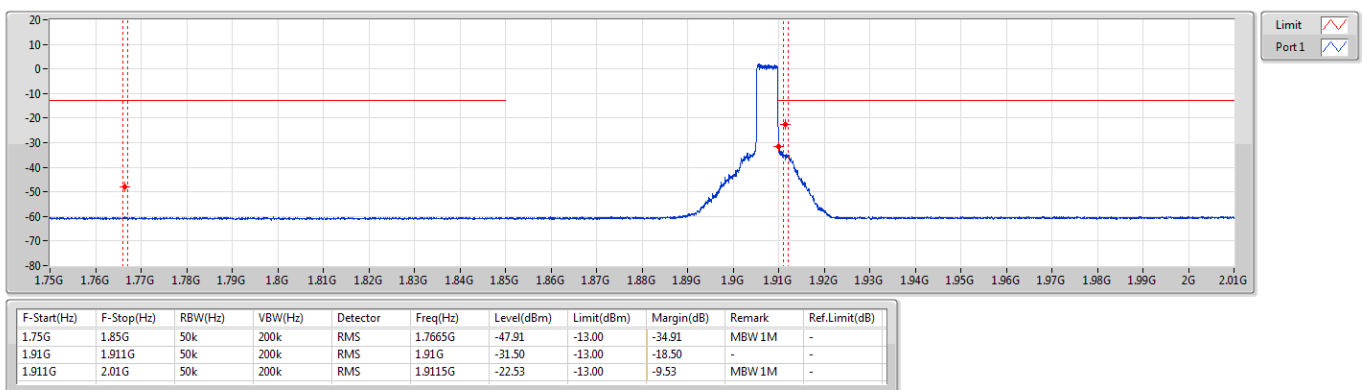
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1907.5MHz_DFT-s-OFDM_16QAM_Edge_1RB_Right

CSE-TX-Sum



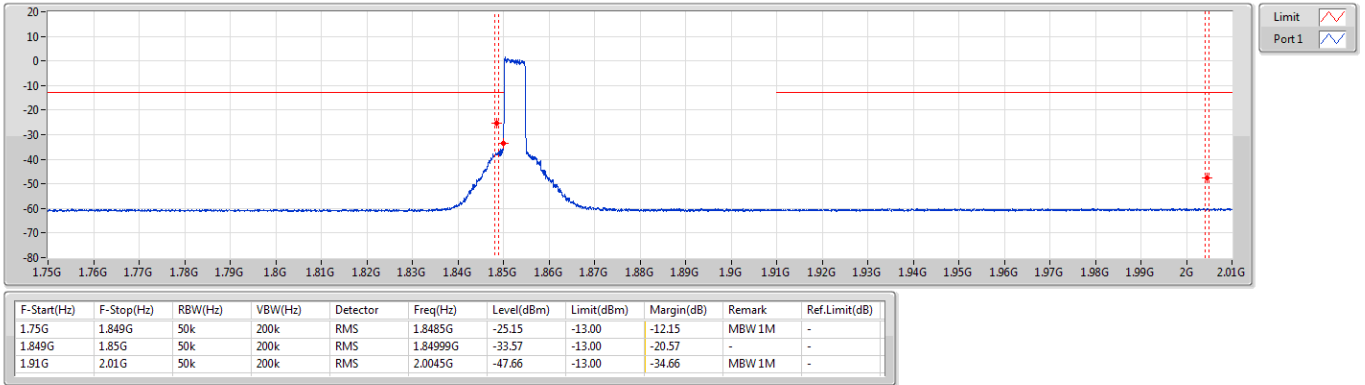
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CSE-TX-Sum



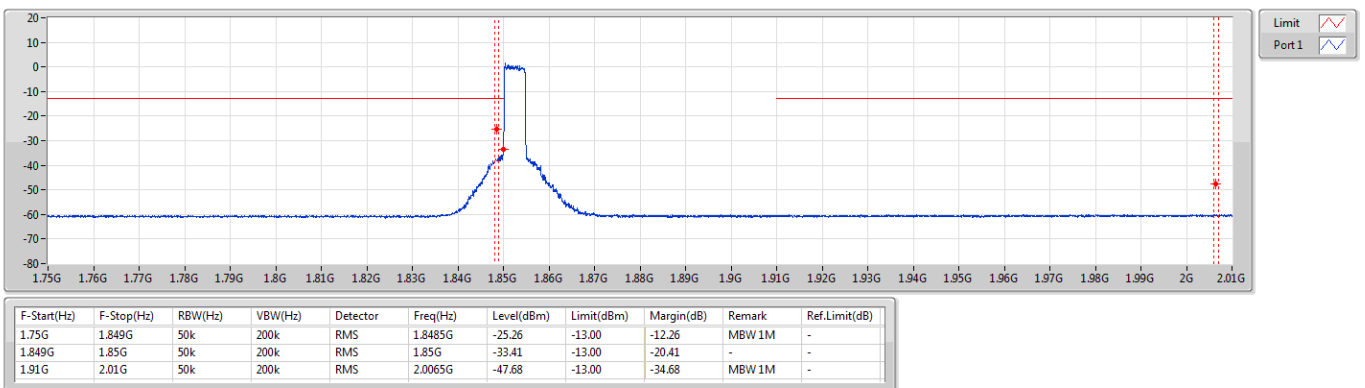
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CSE-TX-Sum



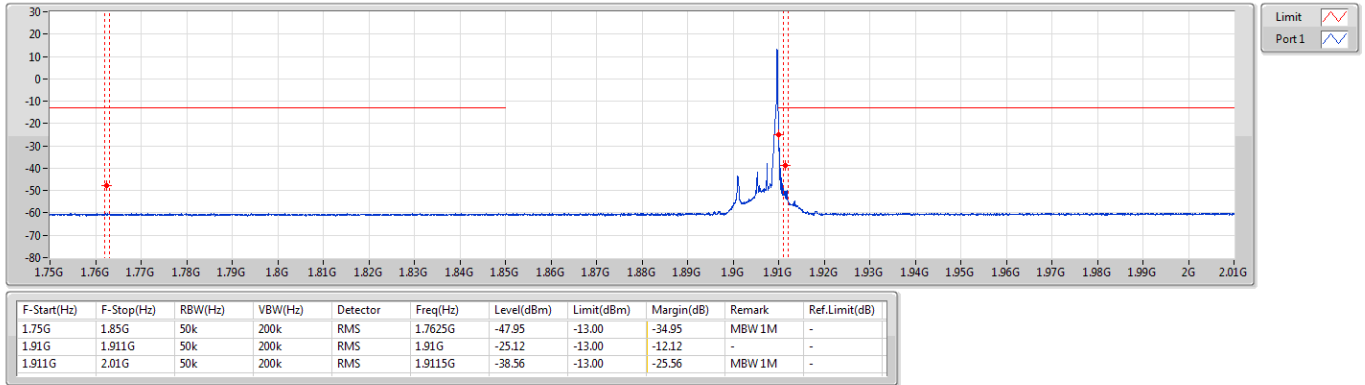
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CSE-TX-Sum



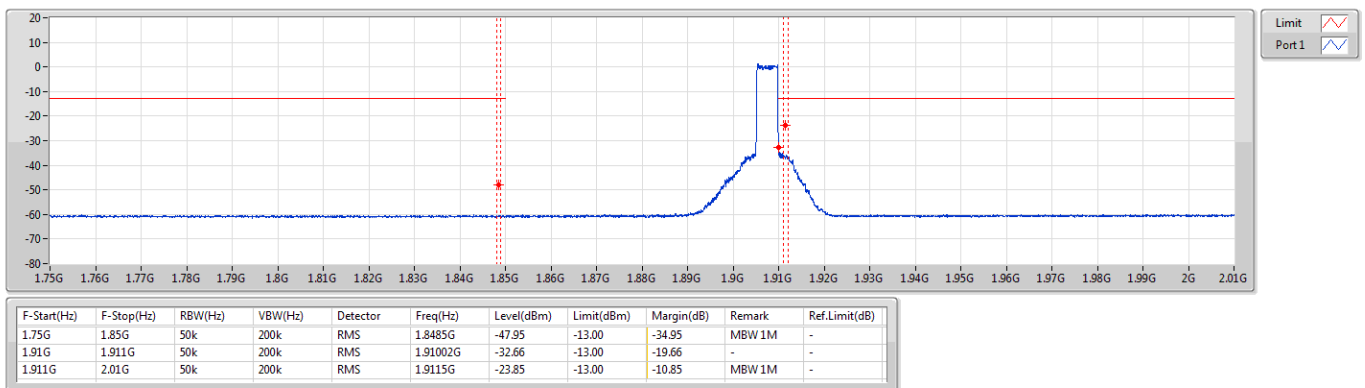
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1907.5MHz_DFT-s-OFDM_64QAM_Edge_1RB_Right

CSE-TX-Sum



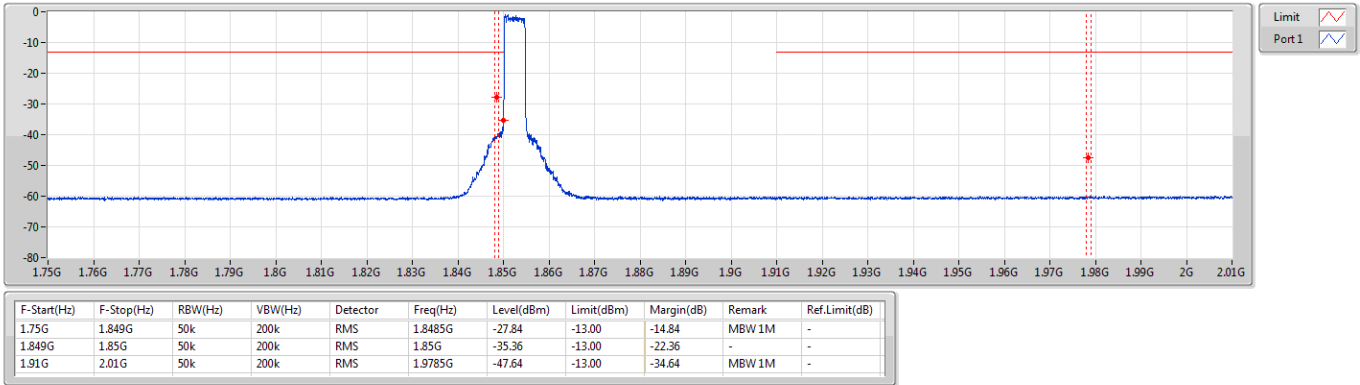
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1907.5MHz_DFT-s-OFDM_64QAM_Outer_Full

CSE-TX-Sum



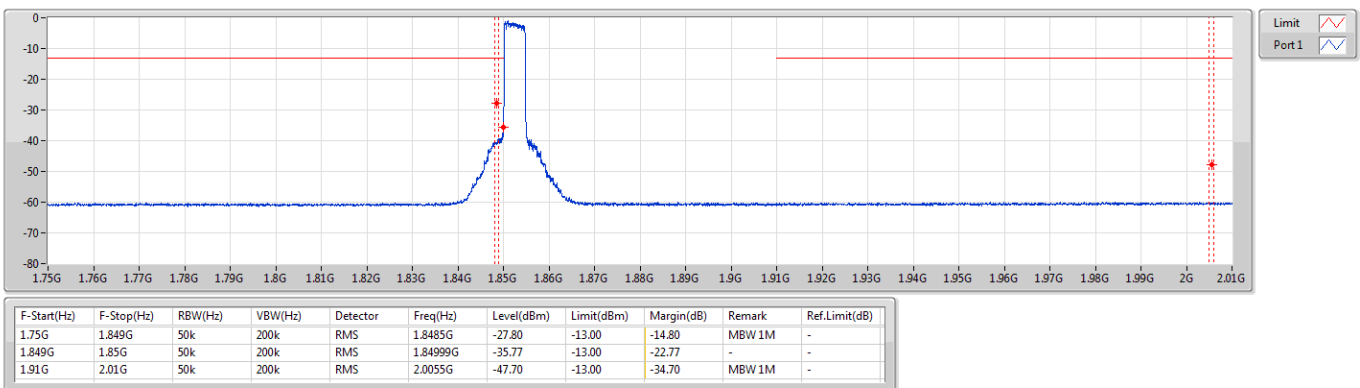
Band n2_NR_5MHz_Nss1,MbpsFT-s-OFDMCS_256QAM_1TX
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CSE-TX-Sum



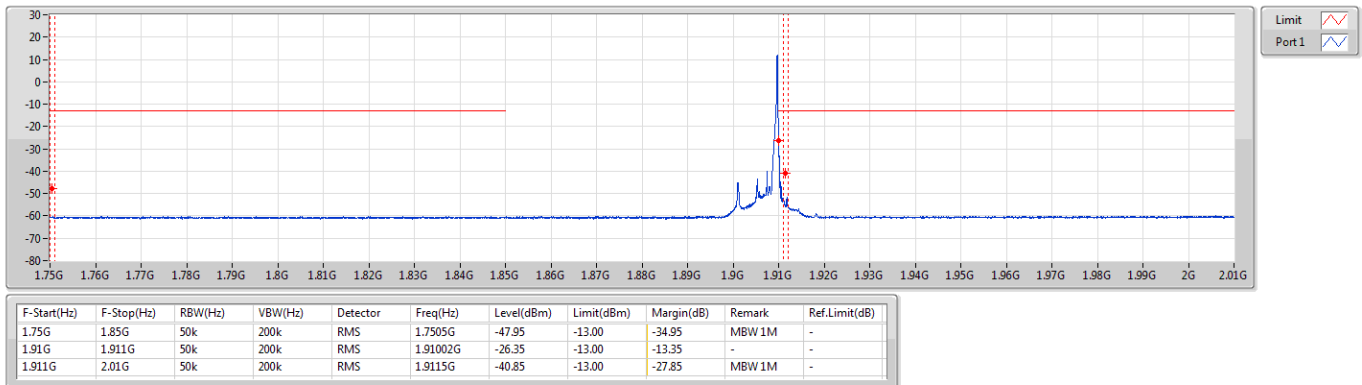
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1852.5MHz_DFT-s-OFDM_256QAM_Outer_Full

CSE-TX-Sum



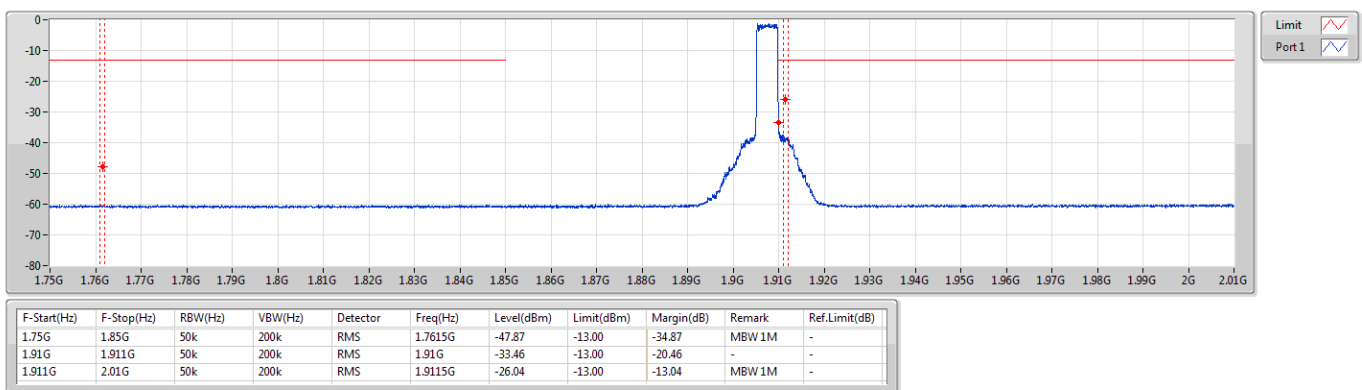
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1907.5MHz_DFT-s-OFDM_256QAM_Edge_1RB_Right

CSE-TX-Sum



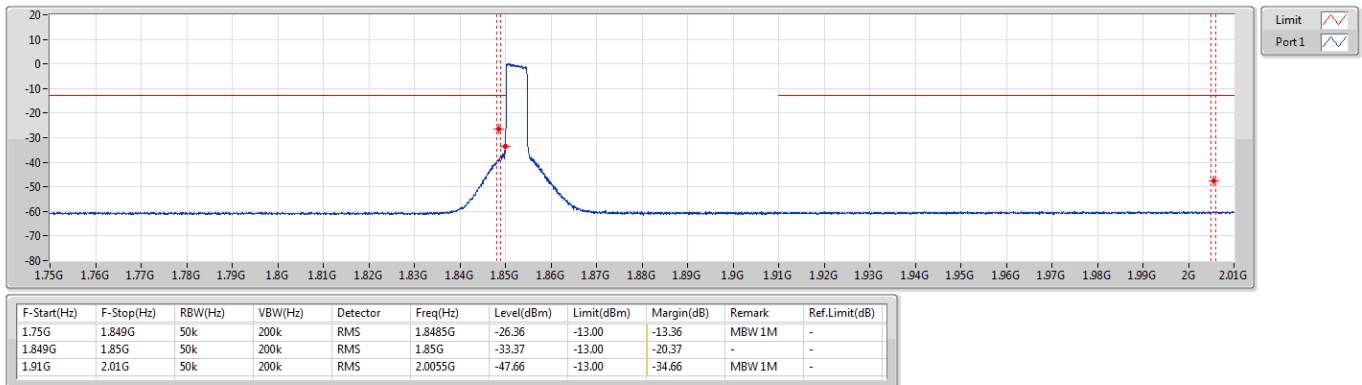
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1907.5MHz_DFT-s-OFDM_256QAM_Outer_Full

CSE-TX-Sum



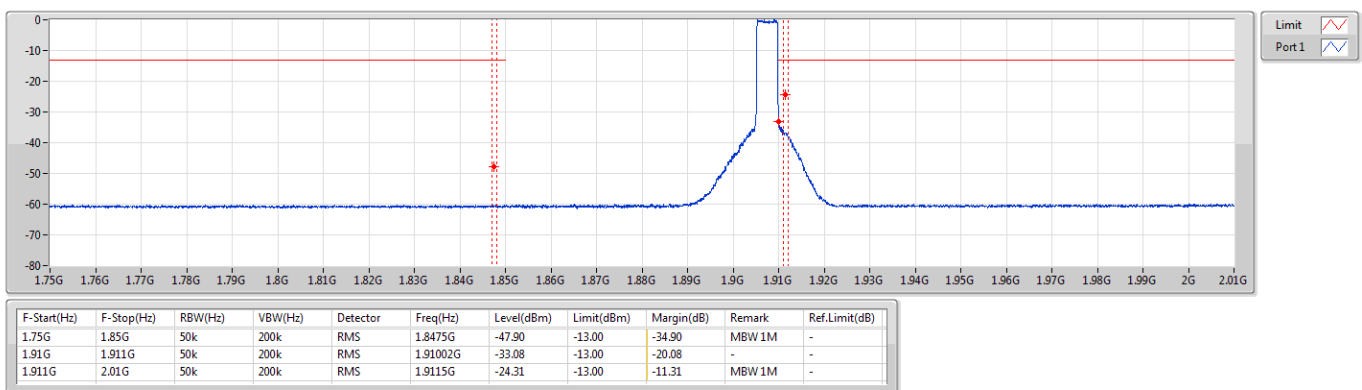
Band n2_NR_5MHz_Nss1,CP-OFMbpsMCS_QPSK_1TX
1852.5MHz_CP-OFDM_QPSK_Outer_Full

CSE-TX-Sum



Band n2_NR_5MHz_Nss1,CP-OFMbpsMCS_QPSK_1TX
1907.5MHz_CP-OFDM_QPSK_Outer_Full

CSE-TX-Sum



Summary

Mode	Max-NdB (Hz)	Max-OBW (Hz)	ITU-Code	Min-NdB (Hz)	Min-OBW (Hz)
Band n2	-	-	-	-	-
NR_20MHz_Nss1,DFT-s-OFDM_PI2BPSK_1TX	18.85M	17.866M	17M9G7D	18.85M	17.866M
NR_20MHz_Nss1,CP-OFDM_QPSK_1TX	19.875M	18.891M	18M9G7D	19.875M	18.891M
NR_20MHz_Nss1,CP-OFDM_16QAM_1TX	19.85M	18.941M	18M9W7D	19.85M	18.941M
NR_20MHz_Nss1,CP-OFDM_64QAM_1TX	19.775M	18.891M	18M9W7D	19.775M	18.891M
NR_20MHz_Nss1,CP-OFDM_256QAM_1TX	19.8M	18.941M	18M9W7D	19.8M	18.941M
NR_15MHz_Nss1,DFT-s-OFDM_PI2BPSK_1TX	14.25M	13.418M	13M4G7D	14.25M	13.418M
NR_15MHz_Nss1,CP-OFDM_QPSK_1TX	14.85M	14.074M	14M1G7D	14.85M	14.074M
NR_15MHz_Nss1,CP-OFDM_16QAM_1TX	14.831M	14.074M	14M1W7D	14.831M	14.074M
NR_15MHz_Nss1,CP-OFDM_64QAM_1TX	14.813M	14.093M	14M1W7D	14.813M	14.093M
NR_15MHz_Nss1,CP-OFDM_256QAM_1TX	14.813M	14.112M	14M1W7D	14.813M	14.112M
NR_10MHz_Nss1,DFT-s-OFDM_PI2BPSK_1TX	9.488M	8.921M	8M92G7D	9.488M	8.921M
NR_10MHz_Nss1,CP-OFDM_QPSK_1TX	9.875M	9.283M	9M28G7D	9.875M	9.283M
NR_10MHz_Nss1,CP-OFDM_16QAM_1TX	10.1M	9.27M	9M27W7D	10.1M	9.27M
NR_10MHz_Nss1,CP-OFDM_64QAM_1TX	9.863M	9.283M	9M28W7D	9.863M	9.283M
NR_10MHz_Nss1,CP-OFDM_256QAM_1TX	9.913M	9.27M	9M27W7D	9.913M	9.27M
NR_5MHz_Nss1,DFT-s-OFDM_PI2BPSK_1TX	4.831M	4.479M	4M48G7D	4.831M	4.479M
NR_5MHz_Nss1,CP-OFDM_QPSK_1TX	4.806M	4.46M	4M46G7D	4.806M	4.46M
NR_5MHz_Nss1,CP-OFDM_16QAM_1TX	4.781M	4.467M	4M47W7D	4.781M	4.467M
NR_5MHz_Nss1,CP-OFDM_64QAM_1TX	4.781M	4.46M	4M46W7D	4.781M	4.46M
NR_5MHz_Nss1,CP-OFDM_256QAM_1TX	4.794M	4.46M	4M46W7D	4.794M	4.46M

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

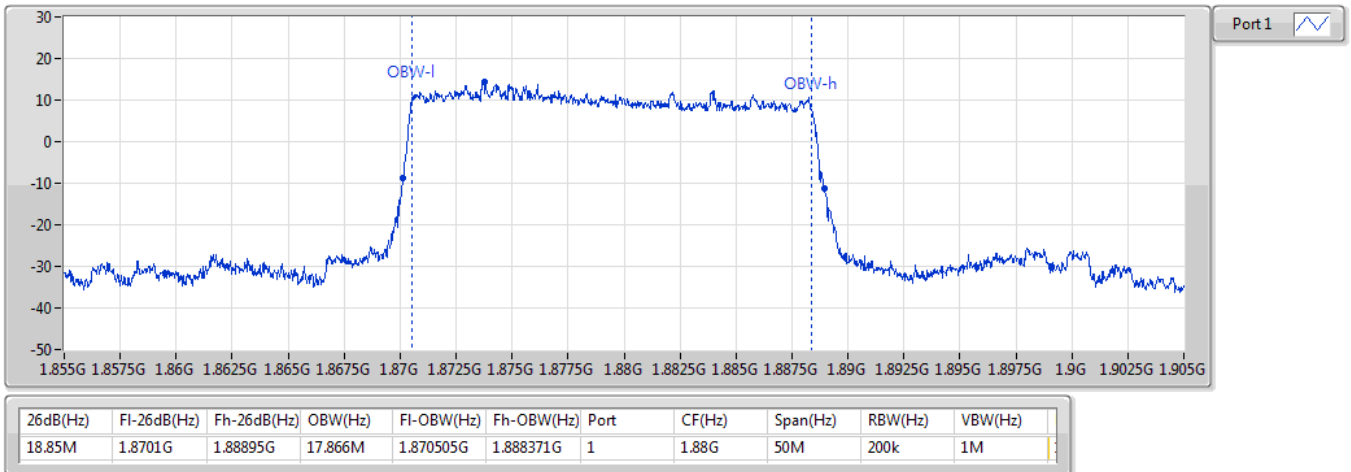
Result

Mode	Result	Port 1-NdB (Hz)	Port 1-OBW (Hz)	Limit (Hz)
Band n2_NR_20MHz_Nss1_1TX	-	-	-	-
1880MHz_DFT-s-OFDM_PI2BPSK_Outer_Full	Pass	18.85M	17.866M	Inf
1880MHz_CP-OFDM_QPSK_Outer_Full	Pass	19.875M	18.891M	Inf
1880MHz_CP-OFDM_16QAM_Outer_Full	Pass	19.85M	18.941M	Inf
1880MHz_CP-OFDM_64QAM_Outer_Full	Pass	19.775M	18.891M	Inf
1880MHz_CP-OFDM_256QAM_Outer_Full	Pass	19.8M	18.941M	Inf
Band n2_NR_15MHz_Nss1_1TX	-	-	-	-
1880MHz_DFT-s-OFDM_PI2BPSK_Outer_Full	Pass	14.25M	13.418M	Inf
1880MHz_CP-OFDM_QPSK_Outer_Full	Pass	14.85M	14.074M	Inf
1880MHz_CP-OFDM_16QAM_Outer_Full	Pass	14.831M	14.074M	Inf
1880MHz_CP-OFDM_64QAM_Outer_Full	Pass	14.813M	14.093M	Inf
1880MHz_CP-OFDM_256QAM_Outer_Full	Pass	14.813M	14.112M	Inf
Band n2_NR_10MHz_Nss1_1TX	-	-	-	-
1880MHz_DFT-s-OFDM_PI2BPSK_Outer_Full	Pass	9.488M	8.921M	Inf
1880MHz_CP-OFDM_QPSK_Outer_Full	Pass	9.875M	9.283M	Inf
1880MHz_CP-OFDM_16QAM_Outer_Full	Pass	10.1M	9.27M	Inf
1880MHz_CP-OFDM_64QAM_Outer_Full	Pass	9.863M	9.283M	Inf
1880MHz_CP-OFDM_256QAM_Outer_Full	Pass	9.913M	9.27M	Inf
Band n2_NR_5MHz_Nss1_1TX	-	-	-	-
1880MHz_DFT-s-OFDM_PI2BPSK_Outer_Full	Pass	4.831M	4.479M	Inf
1880MHz_CP-OFDM_QPSK_Outer_Full	Pass	4.806M	4.46M	Inf
1880MHz_CP-OFDM_16QAM_Outer_Full	Pass	4.781M	4.467M	Inf
1880MHz_CP-OFDM_64QAM_Outer_Full	Pass	4.781M	4.46M	Inf
1880MHz_CP-OFDM_256QAM_Outer_Full	Pass	4.794M	4.46M	Inf

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

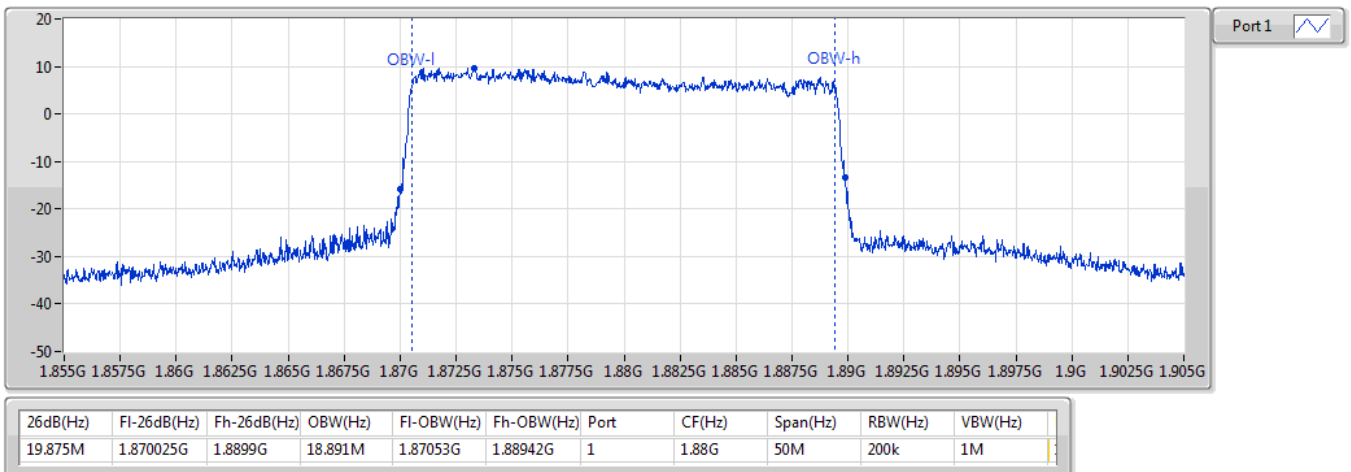
Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX
1880MHz_DFT-s-OFDM_PI2BPSK_Outer_Full

EBW



Band n2_NR_20MHz_Nss1,CP-OFMbpsMCS_QPSK_1TX
1880MHz_CP-OFDM_QPSK_Outer_Full

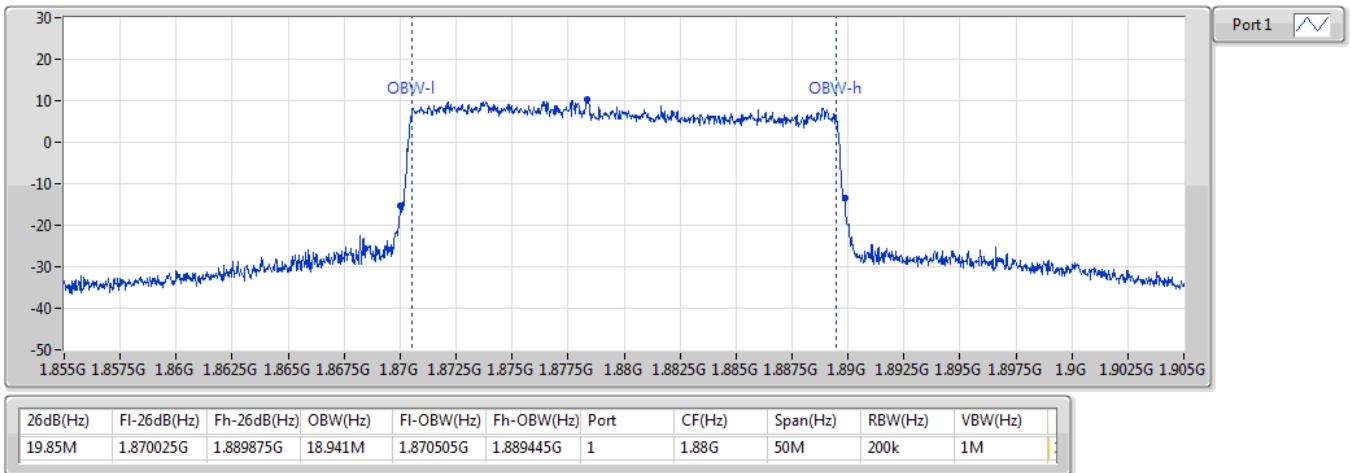
EBW



Band n2_NR_20MHz_Nss1,CP-OFMbpsMCS_16QAM_1TX

EBW

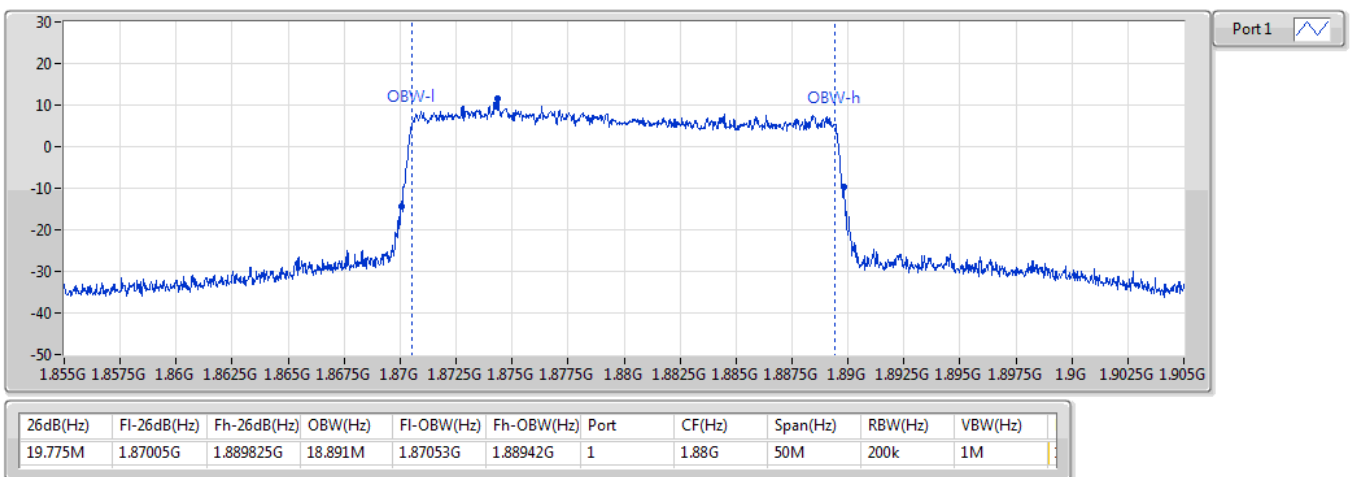
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Band n2_NR_20MHz_Nss1,CP-OFMbpsMCS_64QAM_1TX

EBW

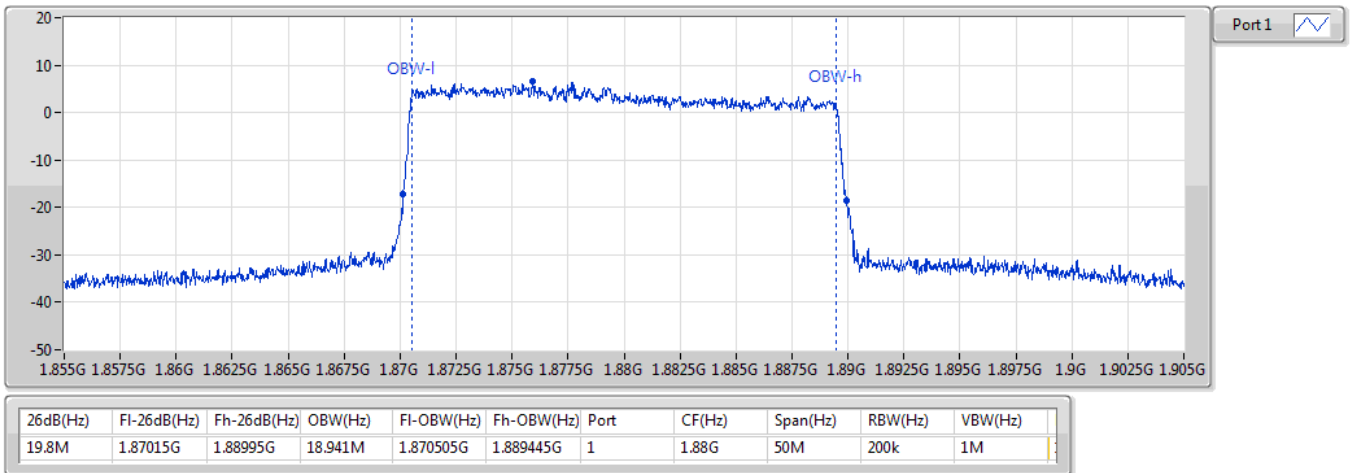
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Band n2_NR_20MHz_Nss1,CP-OFMbpMCS_256QAM_1TX

EBW

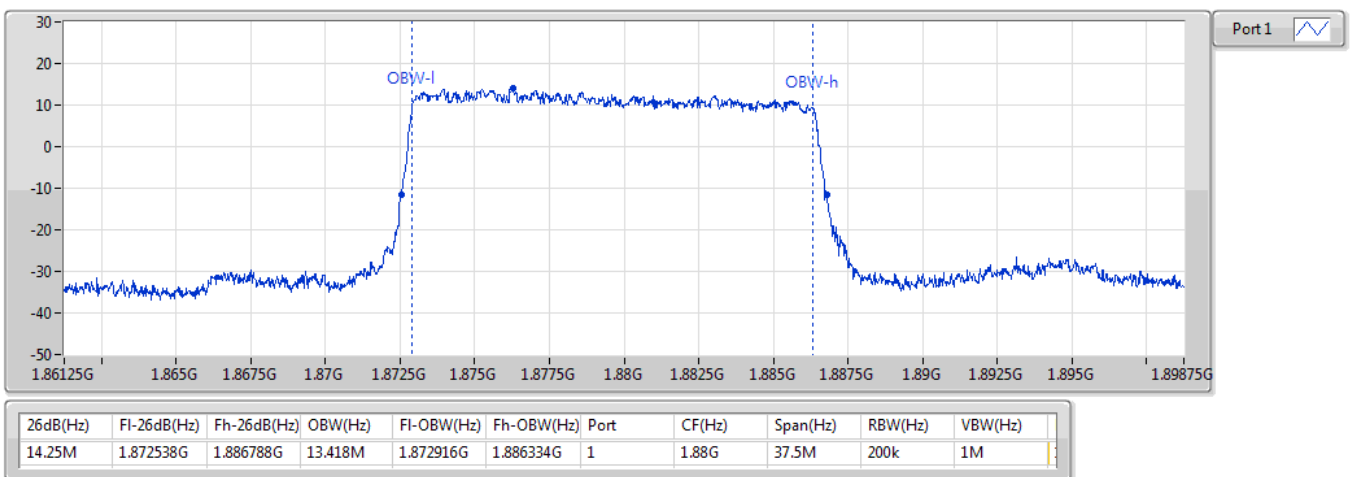
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Band n2_NR_15MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX

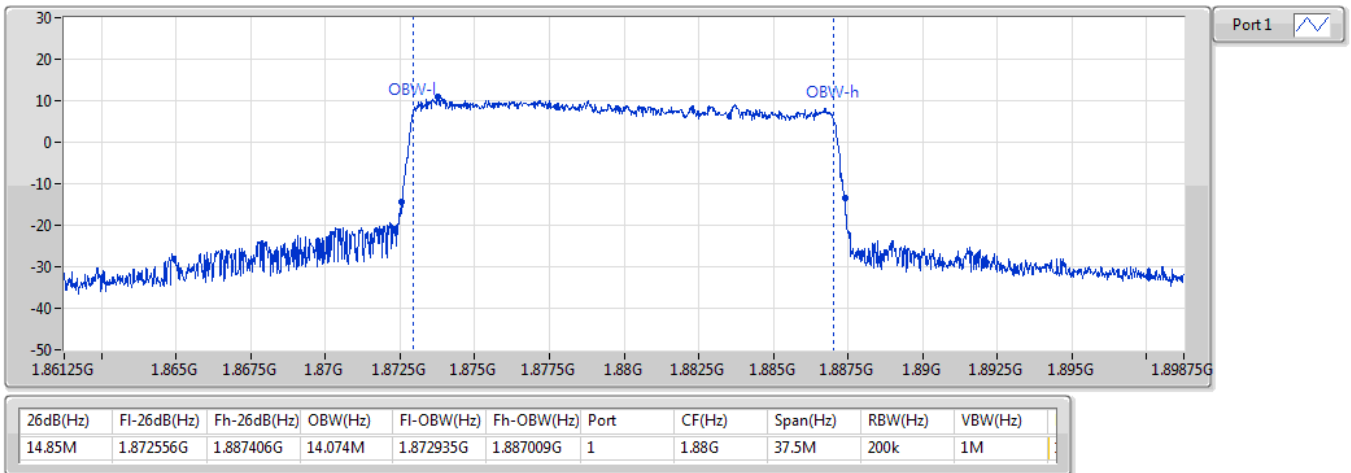
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1880MHz_DFT-s-OFDM_PI2BPSK_Outer_Full



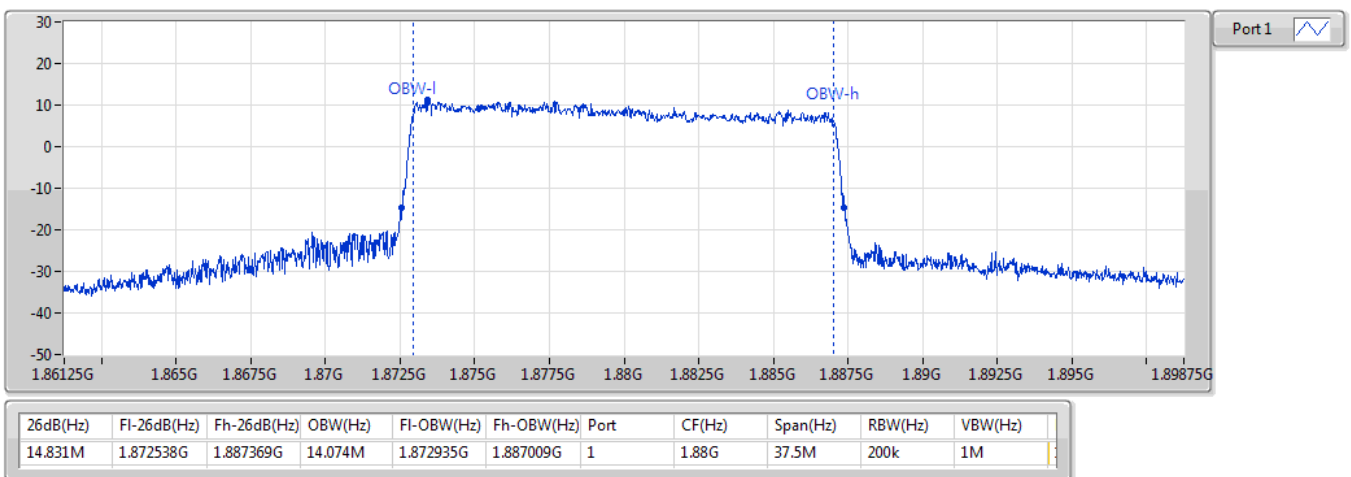
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1880MHz_CP-OFDM_QPSK_Outer_Full

EBW



Band n2_NR_15MHz_Nss1,CP-OFMbpsMCS_16QAM_1TX
1880MHz_CP-OFDM_16QAM_Outer_Full

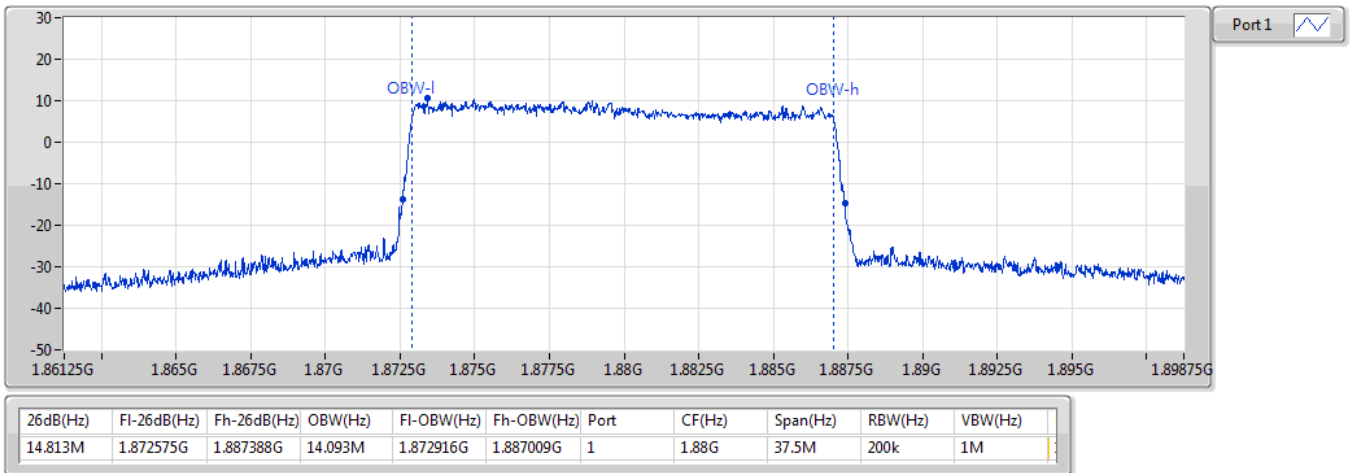
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Band n2_NR_15MHz_Nss1,CP-OFMbpsMCS_64QAM_1TX

EBW

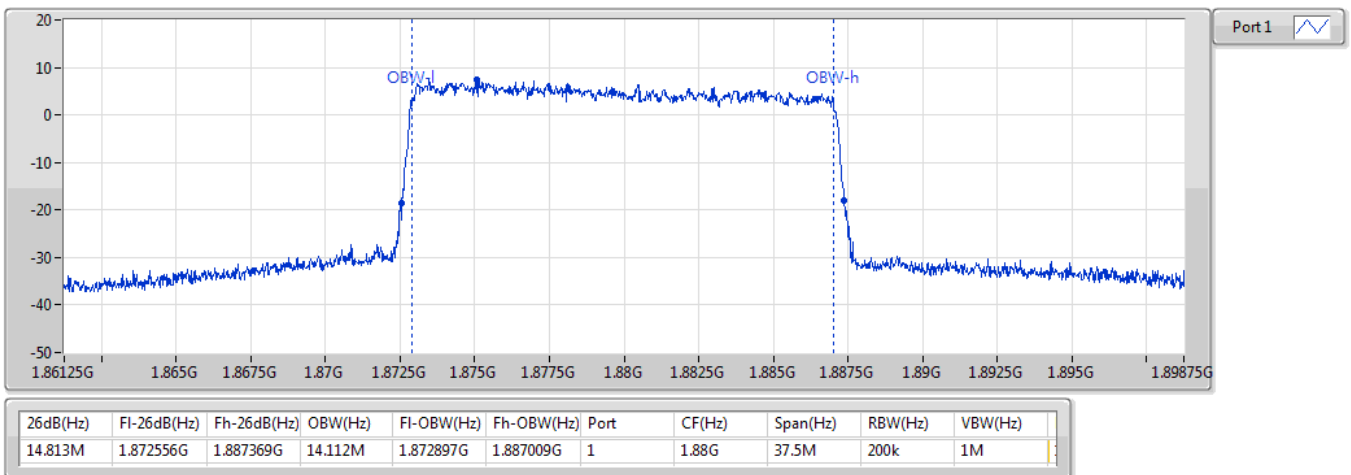
1880MHz_CP-OFDM_64QAM_Outer_Full



Band n2_NR_15MHz_Nss1,CP-OFMbpsMCS_256QAM_1TX

EBW

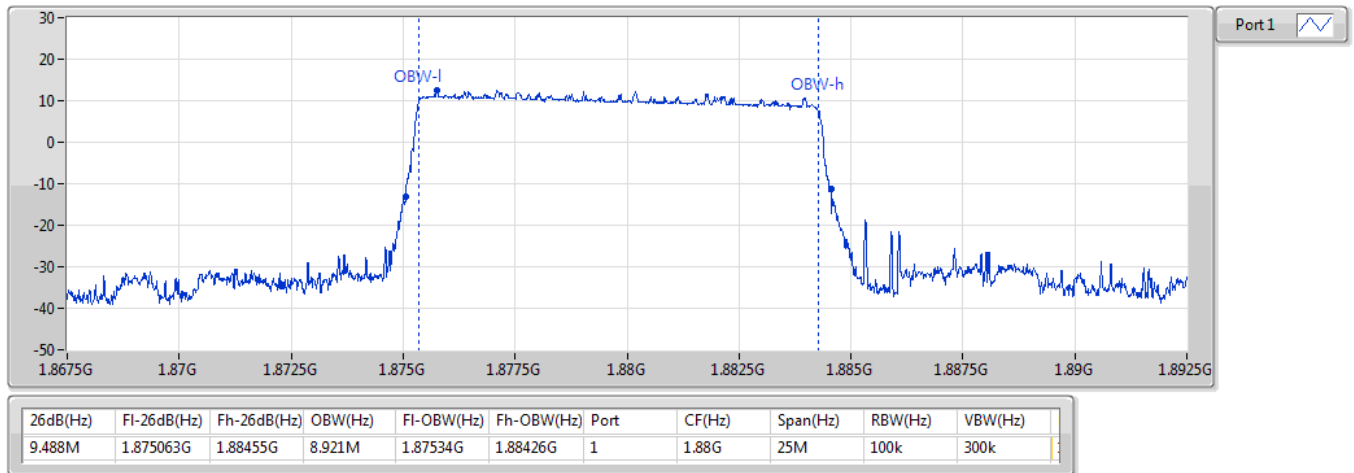
1880MHz_CP-OFDM_256QAM_Outer_Full



Band n2_NR_10MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX

EBW

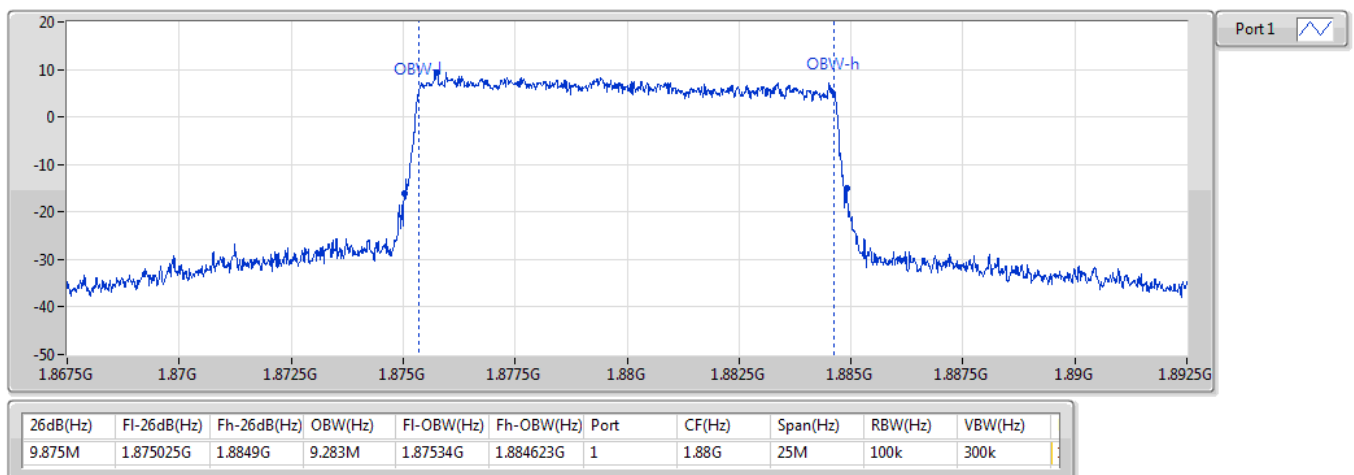
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Band n2_NR_10MHz_Nss1,CP-OFMbpsMCS_QPSK_1TX

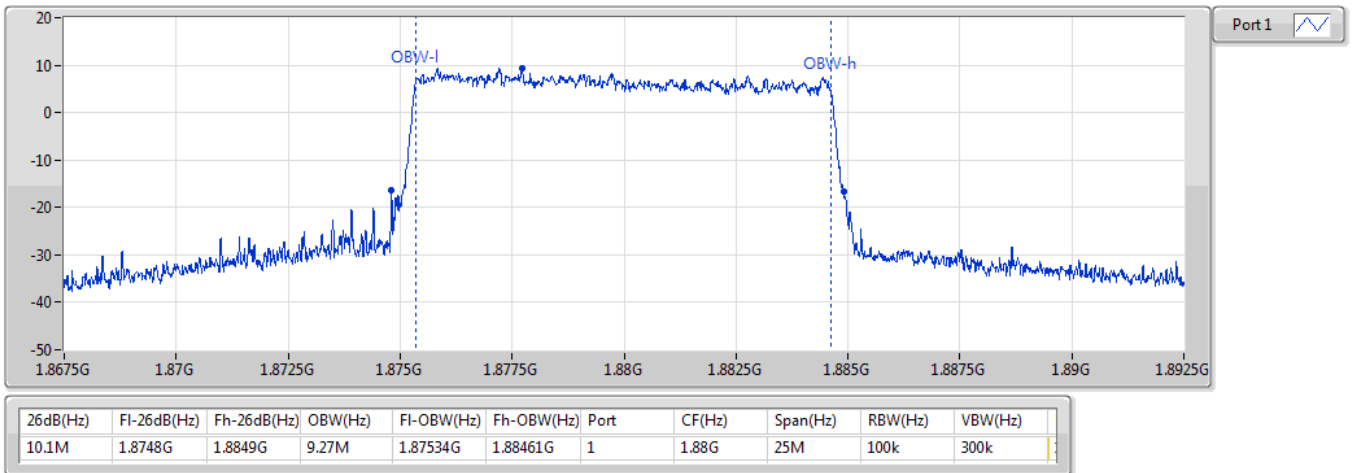
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1880MHz_CP-OFDM_QPSK_Outer_Full



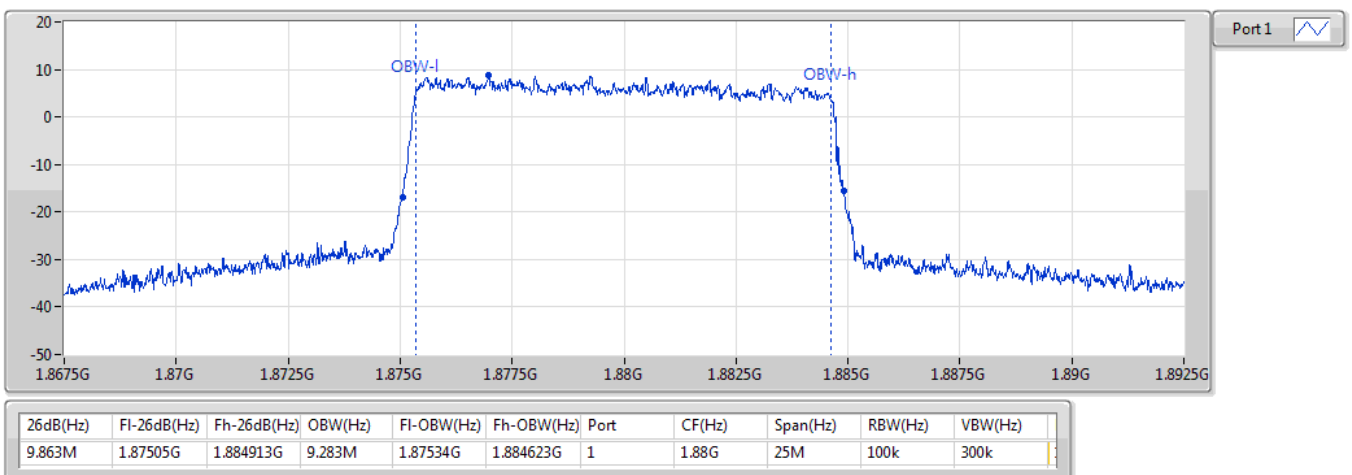
Band n2_NR_10MHz_Nss1,CP-OFMbpsMCS_16QAM_1TX
1880MHz_CP-OFDM_16QAM_Outer_Full

EBW



Band n2_NR_10MHz_Nss1,CP-OFMbpsMCS_64QAM_1TX
1880MHz_CP-OFDM_64QAM_Outer_Full

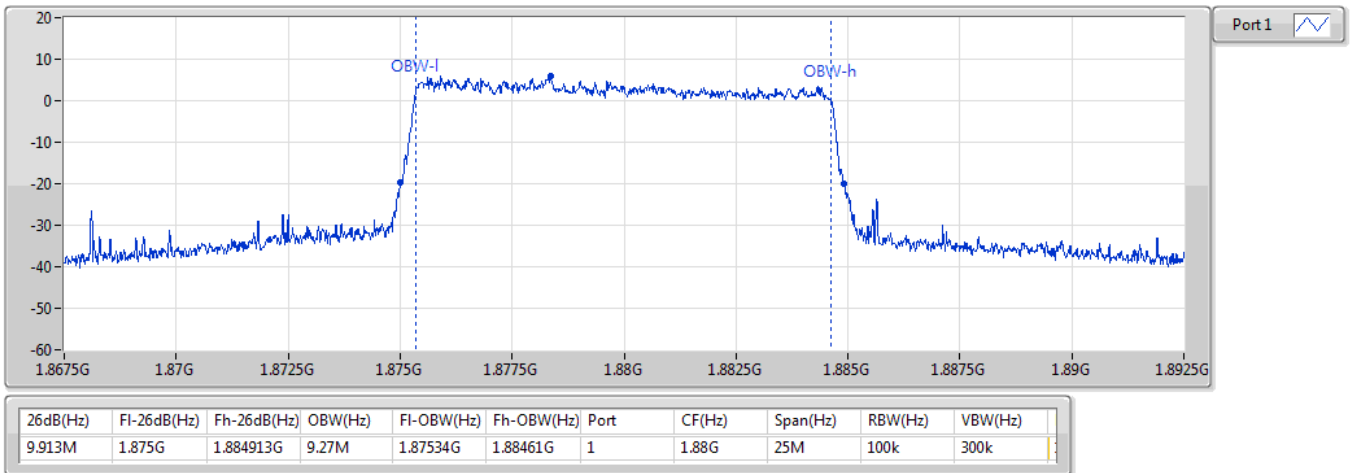
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Band n2_NR_10MHz_Nss1,CP-OFMbpMCS_256QAM_1TX

EBW

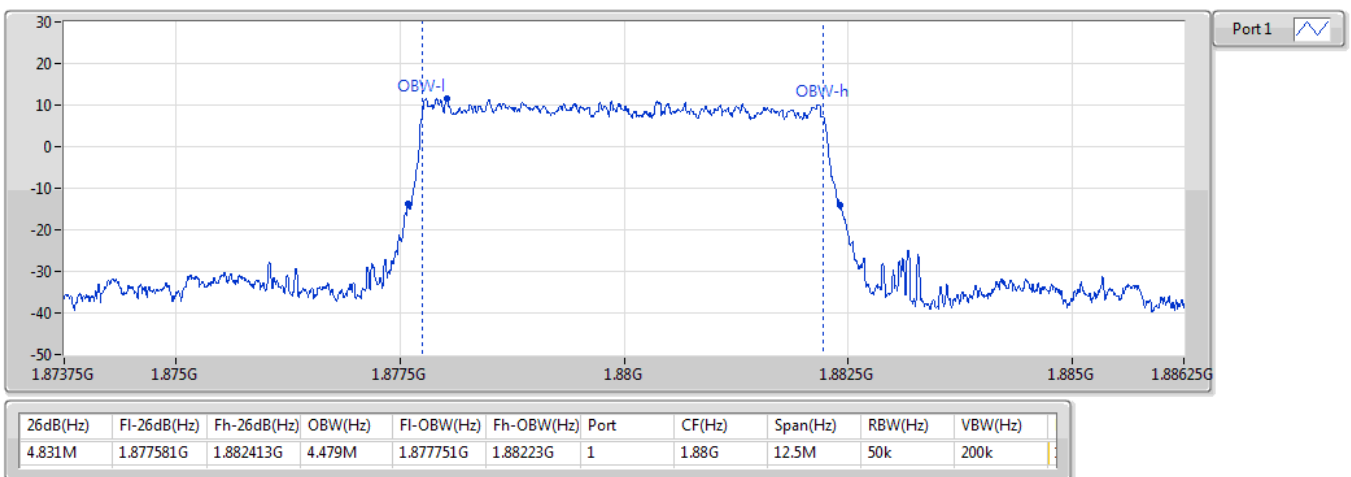
1880MHz_CP-OFDM_256QAM_Outer_Full



Band n2_NR_5MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX

EBW

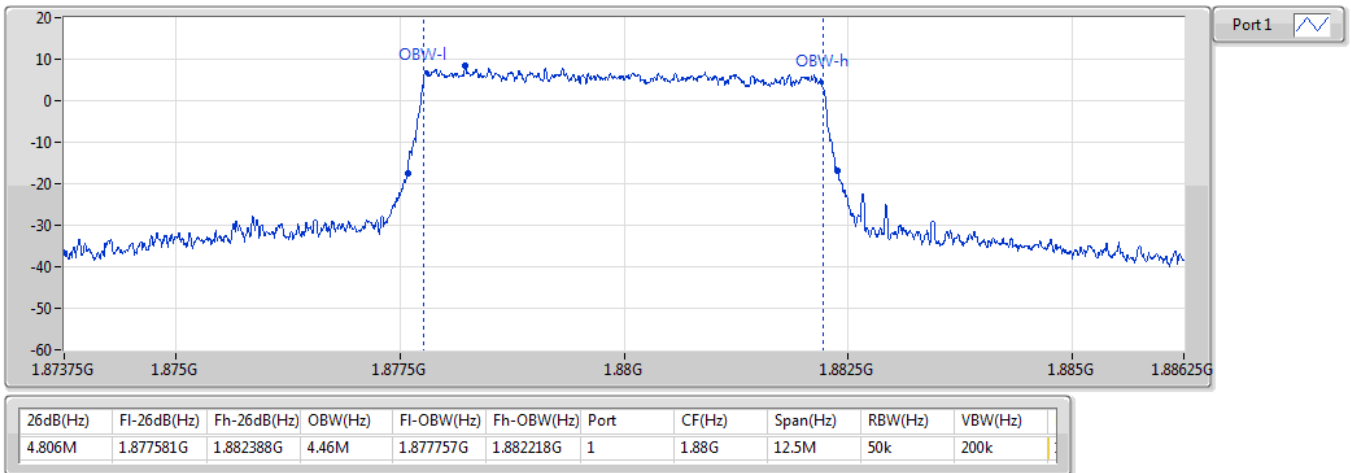
1880MHz_DFT-s-OFDM_PI2BPSK_Outer_Full



Band n2_NR_5MHz_Nss1,CP-OFMbpsMCS_QPSK_1TX

EBW

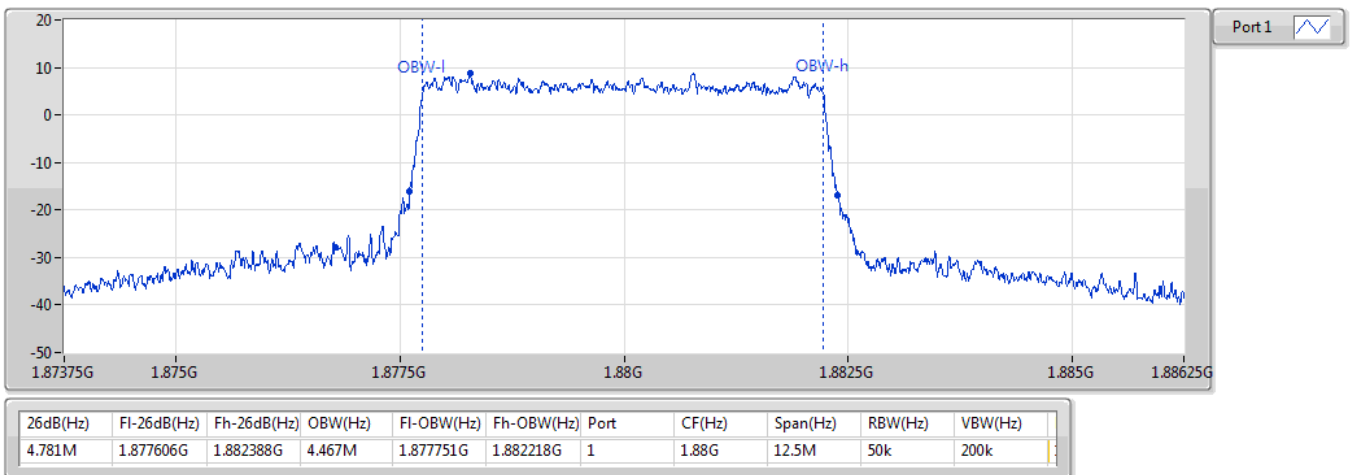
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Band n2_NR_5MHz_Nss1,CP-OFMbpsMCS_16QAM_1TX

EBW

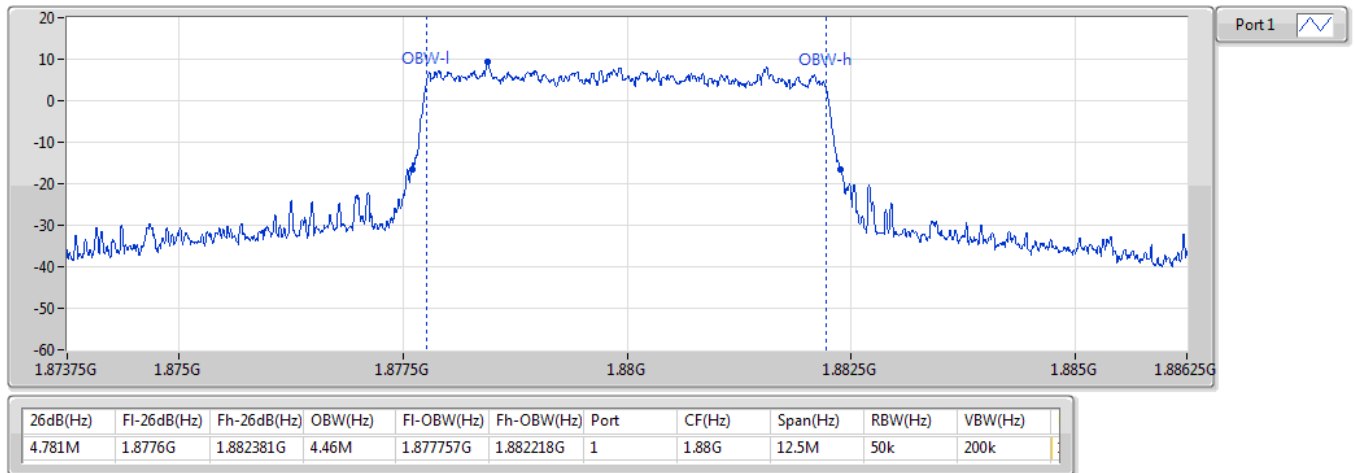
1880MHz_CP-OFDM_16QAM_Outer_Full



Band n2_NR_5MHz_Nss1,CP-OFMbpsMCS_64QAM_1TX

EBW

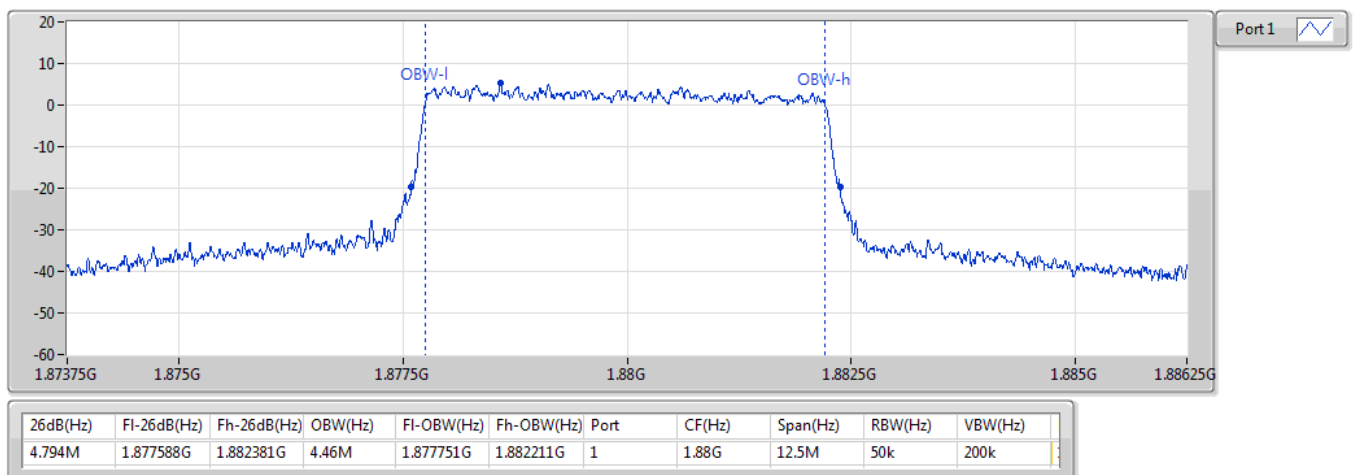
1880MHz_CP-OFDM_64QAM_Outer_Full



Band n2_NR_5MHz_Nss1,CP-OFMbpsMCS_256QAM_1TX

EBW

1880MHz_CP-OFDM_256QAM_Outer_Full



**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band n2	-	-	-	-	-
NR_20MHz_Nss1,DFT-s-OFDM_PI2BPSK_1TX	Pass	1880	13.00	4.14	1
NR_20MHz_Nss1,DFT-s-OFDM_QPSK_1TX	Pass	1880	13.00	4.12	1
NR_20MHz_Nss1,DFT-s-OFDM_16QAM_1TX	Pass	1880	13.00	5.65	1
NR_20MHz_Nss1,DFT-s-OFDM_64QAM_1TX	Pass	1880	13.00	6.17	1
NR_20MHz_Nss1,DFT-s-OFDM_256QAM_1TX	Pass	1880	13.00	6.32	1

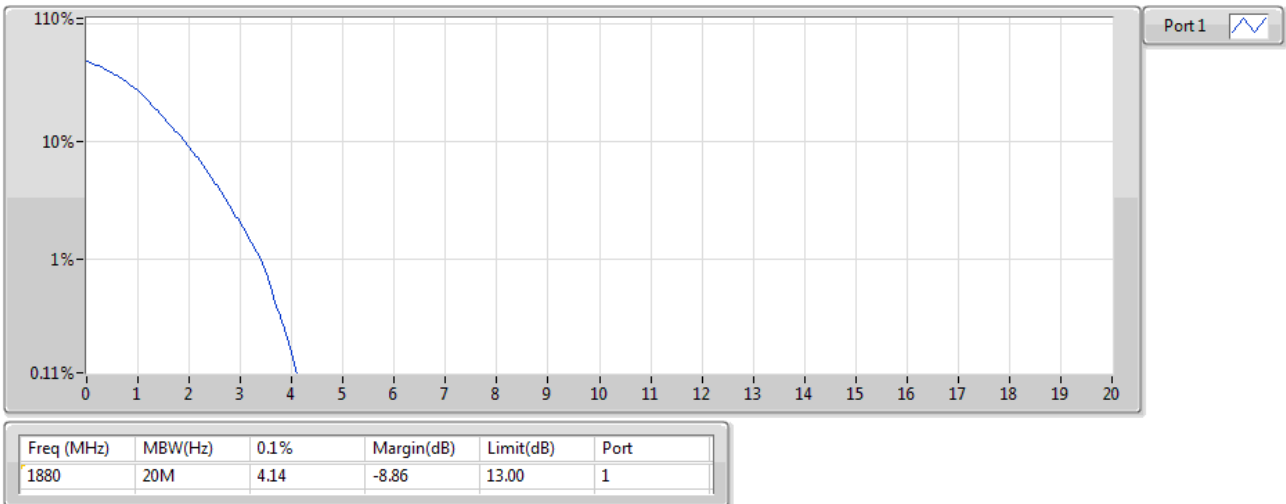
Result

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band n2_NR_20MHz_Nss1_1TX	-	-	-	-	-
1880MHz_DFT-s-OFDM_PI2BPSK_Inner_Full	Pass	1880	13.00	4.14	1
1880MHz_DFT-s-OFDM_QPSK_Inner_Full	Pass	1880	13.00	4.12	1
1880MHz_DFT-s-OFDM_16QAM_Inner_Full	Pass	1880	13.00	5.65	1
1880MHz_DFT-s-OFDM_64QAM_Inner_Full	Pass	1880	13.00	6.17	1
1880MHz_DFT-s-OFDM_256QAM_Inner_Full	Pass	1880	13.00	6.32	1

Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_PI2BPSK_1TX

PAPR

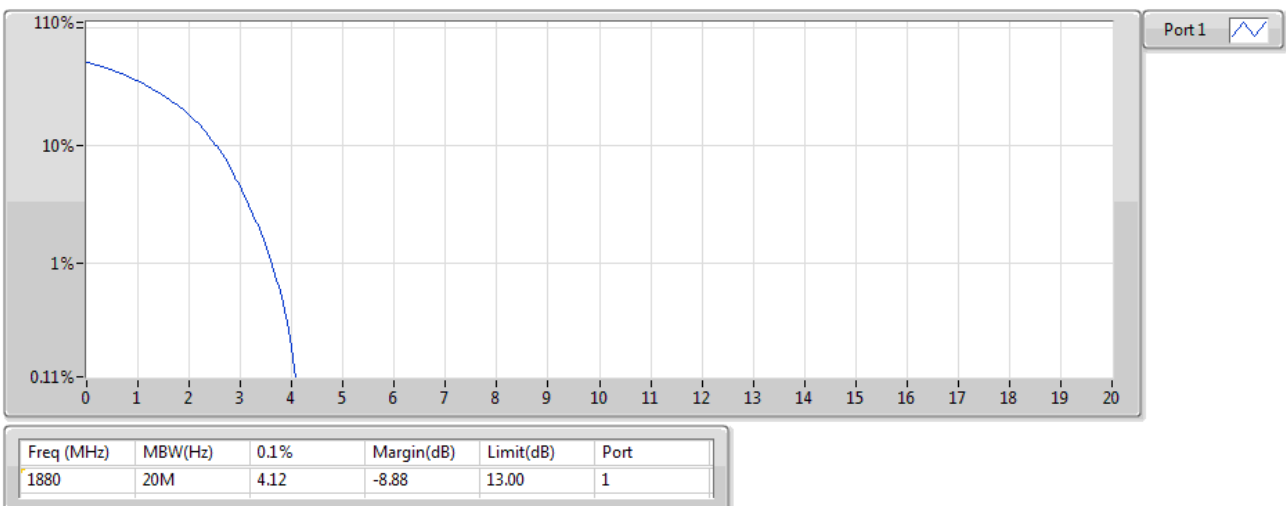
1880MHz_DFT-s-OFDM_PI2BPSK_Inner_Full



Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_QPSK_1TX

PAPR

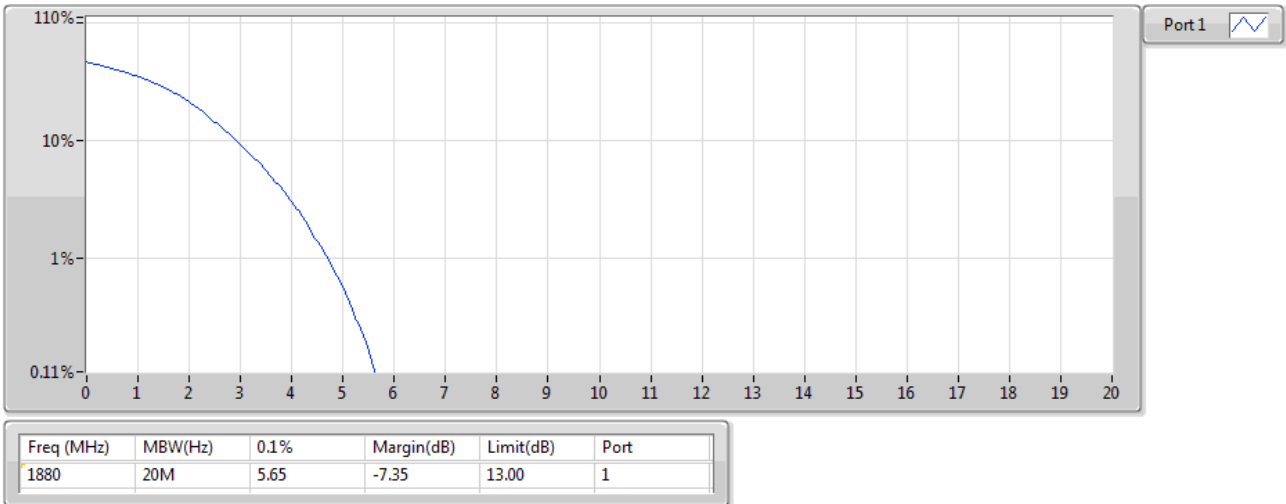
1880MHz_DFT-s-OFDM_QPSK_Inner_Full



Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_16QAM_1TX

PAPR

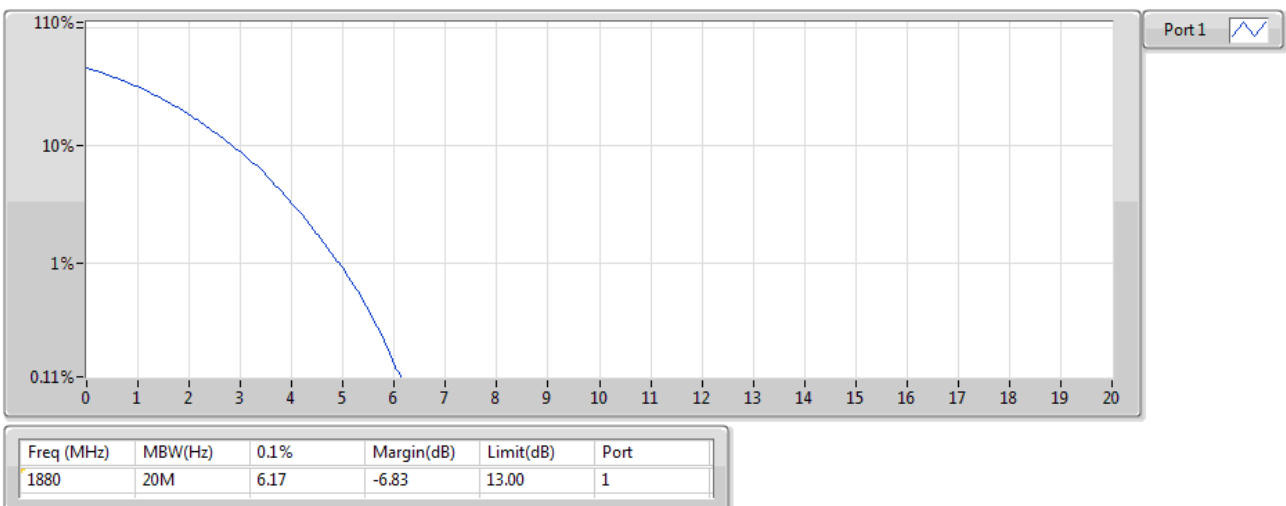
1880MHz_DFT-s-OFDM_16QAM_Inner_Full



Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_64QAM_1TX

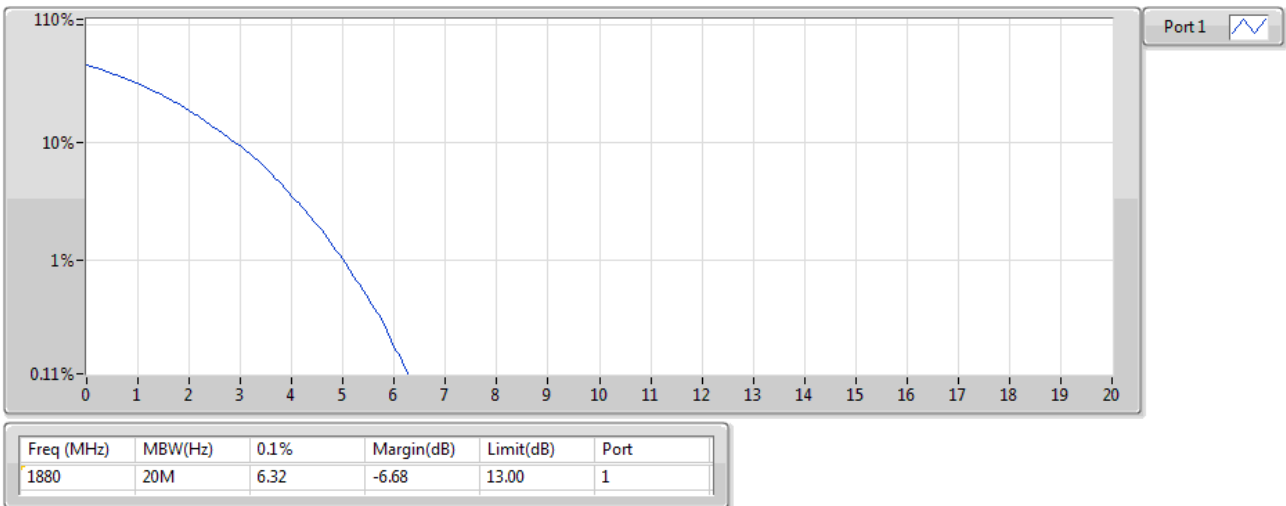
PAPR

1880MHz_DFT-s-OFDM_64QAM_Inner_Full



Band n2_NR_20MHz_Nss1,MbpsFT-s-OFDMCS_256QAM_1TX
1880MHz_DFT-s-OFDM_256QAM_Inner_Full

PAPR



Ref. Freq:	1880 MHz	
Test Conditions	FR1 n5 (BPSK) / Middle channel	
Temperature (°C)	Deviation (ppm)	Limit
		Result Note 1
T20°CVmax	0.02	PASS
T20°CVmin	0.02	
T70°CVnom	0.03	
T60°CVnom	0.02	
T50°CVnom	0.01	
T40°CVnom	0.04	
T30°CVnom	0.05	
T20°CVnom	0.04	
T10°CVnom	0.03	
T0°CVnom	0.04	
T-10°CVnom	0.01	
T-20°CVnom	0.01	
T-30°CVnom	0.03	

Note:

1. The frequency fundamental emissions stay within the authorized frequency block.