FCC/ISED Test Report

Product Name	:	Module
Trade Name	:	AirPrime
Model No.	:	WP7611
FCC ID.	:	N7NWP76B
IC ID.	:	2417C-WP76B

Applicant : SIERRA WIRELESS HONG KONG LIMITED

Address : 6/F Enterprise Place, No.5 Science Park West Avenue, Hong Kong Science Park, Shatin, New Territories, Hong Kong

Date of Receipt	:	May 24, 2019
Issued Date	:	Nov. 20, 2019
Report No.	:	1950376R-HPUSP50V00
Report Version	:	V3.0

Testing Laboratory
3024

Test Report Certification

Issued Date : Nov. 20, 2019
Report No. : 1950376R-HPUSP50V00

Product Name	:	Module
Applicant	:	SIERRA WIRELESS HONG KONG LIMITED
Address	:	6/F Enterprise Place, No.5 Science Park West Avenue, Hong Kong Science Park, Shatin, New Territories, Hong Kong
Manufacturer	:	SIERRA WIRELESS HONG KONG LIMITED
Address	:	6/F Enterprise Place, No.5 Science Park West Avenue, Hong Kong Science Park, Shatin, New Territories, Hong Kong
Trade name	:	AirPrime
Model No.	:	WP7611
FCC ID.	:	N7NWP76B
IC ID.	:	2417C-WP76B
EUT Voltage	:	DC 3.7V
Testing Voltage	:	DC 3.7V
Applicable Standard	:	FCC CFR Title 47 Part 22 Subpart H FCC CFR Title 47 Part 24 Subpart E FCC CFR Title 47 Part 27 Subpart L, Subpart F FCC CFR Title 47 Part 90 Subpart R KDB 971168 D01 Power Meas License Digital Systems v03 Industry Canada RSS-GEN Issue 5 Industry Canada RSS-130 Issue 1 Industry Canada RSS-132 Issue 3 Industry Canada RSS-133 Issue 6 Industry Canada RSS-139 Issue 3 Industry Canada RSS-140 Issue 1 ANSI/TIA-603-D-2010
Test Lab	:	Hsin Chu Laboratory
Address	:	No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 310, Taiwan, R.O.C. TEL: +886-3-582-8001 / FAX: +886-3-582-8958
Test Result	:	Complied

Documented By : Carol Tsai

(Carol Tsai / Senior Engineering Adm. Specialist)

Tested By : Max Chang

(Max Chang / Engineer)

Approved By : Louis Hsu

(Louis Hsu / Deputy Manager)

Revision History

Report No.	Version	Description	Issued Date
1950376R-HPUSP50V00	V1.0	Initial issue of report	Oct. 25, 2019
1950376R-HPUSP50V00	V2.0	Modify Spurious Emission at Antenna Terminal B12/B13 Data	Nov. 15, 2019
1950376R-HPUSP50V00	V3.0	Modify Spurious Emission at Antenna Terminal B12 150KHz Data	Nov. 20, 2019

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1. General Information

1.1. EUT Description

Product Name	Module	
Trade Name	AirPrime	
Model No.	WP7611	
Uplink Frequency Range (MHz)	LTE Band 2: 1850~1910 LTE Band 4: 1710~1755 LTE Band 5: 824~849 LTE Band 12: 699~716 LTE Band 13: 777~787	LTE Band 25: 1850~1915 LTE Band 26: 814~849 LTE Band 66: 1710~1780 LTE Band 71: 663~698
Downlink Frequency Range (MHz)	LTE Band 2: 1930~1990 LTE Band 4: 2110~2115 LTE Band 5: 869~894 LTE Band 12: 729~746 LTE Band 13: 746~756	LTE Band 25: 1930~1995 LTE Band 26: 859~894 LTE Band 66: 2110~2200 LTE Band 71: 617~652
Modulation	QPSK / 16QAM	
HW Version	1.0	
FW Version	Acc to ATI9	
IMEI No.	35588210	

Antenna Information		
0	MFR. / Model	PulseLARSEN Antennas / W5095X
	Antenna Type	Dipole Antenna
	Antenna Gain	Band 2/4/25/66: 3.66 dBi Band 5/26: 1.58 dBi Band 12/13: 2.81 dBi
1	MFR. / Model	PulseLARSEN Antennas / SPDA24617_3900
	Antenna Type	Dipole Antenna
	Antenna Gain	Band 71 only: 0.58 dBi

Accessories Information	
Antenna	2set

Note:
1. The EUT description is from the customer declaration.
2. This WP7611 support WCDMA Band 2/4/5 and LTE Band 2/4/5/12/13/25/26/66/71.

1.2. Mode of Operation

DEKRA has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Test Mode
Mode 1: LTE Band 2
Mode 2: LTE Band 4
Mode 3: LTE Band 5
Mode 4: LTE Band 12
Mode 5: LTE Band 13
Mode 6: LTE Band 25
Mode 7: LTE Band 26
Mode 8: LTE Band 66
Mode 9: LTE Band 71

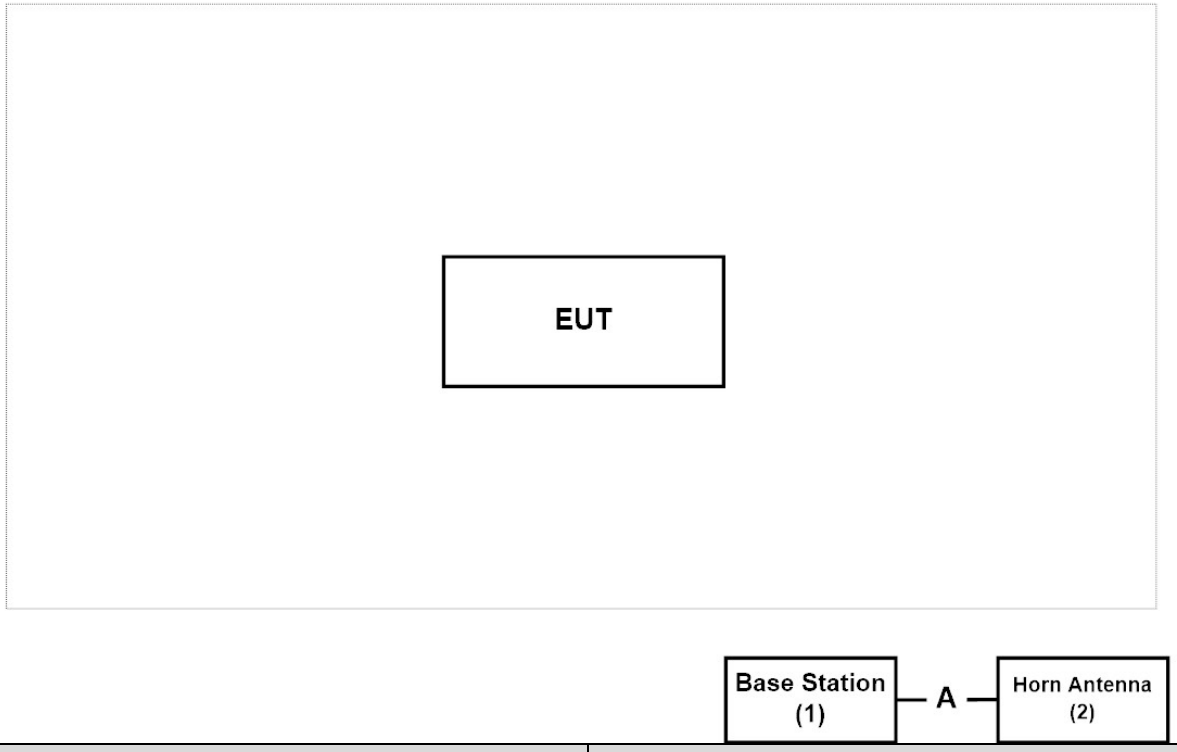
1.3. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	Base Station	R&S	CMW500	106071	DoC	Non-Shielded, 1.8m two ferrite cores bonded
2	Horn Antenna	Schwarzbeck	BBHA 9120D	1640	DoC	--

1.4. Configuration of Tested System

Connection Diagram



Signal Cable Type		Signal cable Description
A	RF Cable	Shielded, 6m.

1.5. EUT Exercise Software

1	Setup the EUT and simulators as shown on 1.4.
2	Turn on the power of all equipment. Horn link with base station.
3	The EUT link with base station and it will continue receive the signal.
4	Repeat the above procedure.

2. Technical Test

2.1. Summary of Test Result

☒ No deviations from the test standards

☐ Deviations from the test standards as below description:

Note: Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

B2

Uplink: 1850-1910MHz

Downlink: 1930-1990MHz

LTE B2					
FCC Part 24 Subpart E					
Industry Canada RSS-133, issue 6, Industry Canada RSS-GEN					
Test item	FCC Reference section	FCC Limit	IC Reference section	IC Limit	Result
RF Output Power	§2.1033 §2.1046 §24.232	<2 Watts	§6.4	<2 Watts	Pass
Occupied Bandwidth	§2.1049	N/A	RSS-GEN §4.2	N/A	Pass
Peak-to-average power ratio	§24.232	<13 dB	§6.4	<13 dB	Pass
Spurious Emissions	§2.1053 §24.238	<-13dBm	§6.5	<-13dBm	Pass
Spurious Emissions at Antenna Terminals	§27.238	<-13dBm	§6.5	<-13dBm	Pass
Frequency Stability	§2.1055 §24.235	<±2.5 ppm	§6.3	<±2.5 ppm	Pass

B4

Uplink: 1710-1755MHz

Downlink: 2100-2155MHz

LTE B4					
FCC Part 27 Subpart L					
Industry Canada RSS-139, issue 3, Industry Canada RSS-GEN					
Test item	FCC Reference section	FCC Limit	IC Reference section	IC Limit	Result
RF Output Power	§2.1033 §2.1046 §27.50	<1 Watt	§6.5	<1 Watt	Pass
Occupied Bandwidth	§2.1049	N/A	RSS-GEN §4.2	N/A	Pass
Peak-to-average power ratio	§27.50	<13 dB	§6.5	<13 dB	Pass
Spurious Emissions	§2.1053 §27.53	<-13dBm	§6.6	<-13dBm	Pass
Spurious Emissions at Antenna Terminals	§27.53	<-13dBm	§6.6	<-13dBm	Pass
Frequency Stability	§2.1055 §27.54	<2.5 ppm	§6.4	Within the frequency range	Pass

B5

Uplink: 824-849MHz

Downlink: 869-894MHz

LTE B5					
FCC Part 22 Subpart H					
Industry Canada RSS-132, issue 3, Industry Canada RSS-GEN					
Test item	FCC Reference section	FCC Limit	IC Reference section	IC Limit	Result
RF Output Power	§2.1033 §2.1046 §22.913	<7 Watts	§5.4	<7 Watts EIRP: <11.5 Watts	Pass
Occupied Bandwidth	§2.1049	N/A	RSS-GEN §4.2	N/A	Pass
Peak-to-average power ratio	§22.913	<13 dB	§5.4	<13 dB	Pass
Spurious Emissions	§2.1053 §22.917	<-13dBm	§5.5	<-13dBm	Pass
Spurious Emissions at Antenna Terminals	§22.917	<-13dBm	§5.5	<-13dBm	Pass
Frequency Stability	§2.1055 §22.335	<±2.5 ppm	§5.3	<±2.5 ppm for mobile stations <±1.5 ppm for base stations	Pass

B12

Uplink: 699-716MHz

Downlink: 729-746MHz

LTE B12					
FCC Part 27 Subpart F					
Industry Canada RSS-130, issue 1, Industry Canada RSS-GEN					
Test item	FCC Reference section	FCC Limit	IC Reference section	IC Limit	Result
RF Output Power	§2.1033 §2.1046 §27.50	<3 Watts	§4.4	<5 Watts E.I.R.P for portable equipment or for indoor fixed subscriber equipment.	Pass
Occupied Bandwidth	§2.1049	N/A	§4.2	N/A	Pass
Peak-to-average power ratio	§27.50	<13 dB	§4.4	<13 dB	Pass
Spurious Emissions	§2.1053 §27.53	<-13dBm	§4.6	<-13dBm The e.i.r.p. in the band 1559-1610 MHz shall not exceed -70 dBW/MHz for wideband signal and -80 dBW for discrete emission with bandwidth less than 700 Hz.	Pass
Spurious Emissions at Antenna Terminals	§27.53	<-13dBm	§4.6	<-13dBm	Pass
Frequency Stability	§2.1055 §27.54	<±2.5 ppm	§4.3	Within the frequency range	Pass

B13

Uplink: 777-787MHz

Downlink: 746-756MHz

LTE B13					
FCC Part 27 Subpart F					
Industry Canada RSS-130, issue 1, Industry Canada RSS-GEN					
RF Output Power	FCC Reference section	FCC Limit	IC Reference section	IC Limit	Result
RF Output Power	§2.1055 §27.54	<±2.5 ppm	§4.3	Within the frequency range	Pass
Occupied Bandwidth	§2.1033 §2.1046 §27.50	<3 Watts	§4.4	<5 Watts	Pass
Peak-to-average power ratio	§2.1049	N/A	RSS-GEN §4.2	N/A	Pass
Spurious Emissions	§27.50	<-13 dB	§4.4	<13 dB	Pass
Spurious Emissions at Antenna Terminals	§2.1053 §27.53	<-13dBm	§4.6	<-13dBm	Pass
Frequency Stability	§27.53	<-13dBm	§4.6	<-13dBm	Pass

B25

Uplink: 1850~1915MHz

Downlink: 1930~1995MHz

LTE B25					
FCC Part 24 Subpart E					
Industry Canada RSS-133, issue6, Industry Canada RSS-GEN					
Test item	FCC Reference section	FCC Limit	IC Reference section	IC Limit	Result
RF Output Power	§2.1033 §2.1046 §24.232	<2 Watts	§6.4	<2 Watts	Pass
Occupied Bandwidth	§2.1049	N/A	RSS-GEN §4.2	N/A	Pass
Peak-to-average power ratio	§24.232	<13 dB	§6.4	<13 dB	Pass
Spurious Emissions	§2.1053 §24.238	<-13dBm	§6.5	<-13dBm	Pass
Spurious Emissions at Antenna Terminals	§27.238	<-13dBm	§6.5	<-13dBm	Pass
Frequency Stability	§2.1055 §24.235	<±2.5 ppm	§6.3	<±2.5 ppm	Pass

B26

Uplink: 814~849MHz (ISDE not suppor 814~824 MHz)

Downlink: 859~894MHz

LTE B26					
FCC Part 22 Subpart H FCC Part 90 Subpart S					
Industry Canada RSS-132, issue3, Industry Canada RSS-GEN					
Test item	FCC Reference section	FCC Limit	IC Reference section	IC Limit	Result
RF Output Power	§2.1033 §2.1046 §90.635(b) §22.913	<100 Watts	§5.4	<11.5 Watts	Pass
Occupied Bandwidth	§2.1049	N/A	RSS-GEN §4.2	N/A	Pass
Peak-to-average power ratio	§22.913	<13 dB	§5.4	<13 dB	Pass
Spurious Emissions	§2.1053 §90.691 §22.917	<-13dBm	§5.5	<-13dBm	Pass
Spurious Emissions at Antenna Terminals	§90.691 §22.917	<-13dBm	§5.5	<-13dBm	Pass
Frequency Stability	§2.1055 §90.213	<±2.5 ppm	§5.2	<±2.5ppm	Pass

B66

Uplink: 1710~1780MHz

Downlink: 2110~2200MHz

LTE B66					
FCC Part 27 Subpart L					
Industry Canada RSS-139, issue 3, Industry Canada RSS-GEN					
Test item	FCC Reference section	FCC Limit	IC Reference section	IC Limit	Result
RF Output Power	§2.1033 §2.1046 §27.50	<1 Watts	§6.5	<1 Watts	Pass
Occupied Bandwidth	§2.1049	N/A	RSS-GEN §4.2	N/A	Pass
Peak-to-average power ratio	§27.50	<13 dB	§6.5	<13 dB	Pass
Spurious Emissions	§2.1053 §27.53	<-13dBm	§6.6	<-13dBm	Pass
Spurious Emissions at Antenna Terminals	§27.53	<-13dBm	§6.6	<-13dBm	Pass
Frequency Stability	§2.1055 §27.54	<2.5 ppm	§6.4	Within the frequency range	Pass

B71

Uplink: 663~698MHz

Downlink: 617~652MHz

LTE B71			
FCC Part 27 Subpart F			
Test item	FCC Reference section	FCC Limit	Result
RF Output Power	§2.1033 §2.1046 §27.50	<3 Watts	Pass
Occupied Bandwidth	§2.1049	N/A	Pass
Peak-to-average power ratio	§27.50	<13 dB	Pass
Spurious Emissions	§2.1053 §27.53	<-13dBm	Pass
Spurious Emissions at Antenna Terminals	§27.53	<-13dBm	Pass
Frequency Stability	§2.1055 §27.54	<2.5 ppm	Pass

2.2. Test Environment

Items	Required (IEC 68-1)	Actual	Test Site
Temperature (°C)	15-35	23	2 & 3
Humidity (%RH)	25-75	52	
Barometric pressure (mbar)	860-1060	950-1000	

Note: Test site information refers to Laboratory Information.

Laboratory Information

USA	**:**	**FCC Registration Number: TW3024**
Canada	**:**	**IC Registration Number: 22397-1 / 22397-2 / 22397-3**

The related certificate for our laboratories about the test site and management system can be downloaded from DEKRA Testing and Certification Co., Ltd. Web Site:
http://www.dekra.com.tw/english/about/certificates.aspx?bval=5
The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site: http://www.dekra.com.tw/index_en.aspx

If you have any comments, Please don't hesitate to contact us. Our test sites as below:

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2.3. List of Test Equipment

RF Output Power / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/12/21	2019/12/20
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2019/03/15	2020/03/14
Spectrum Analyzer	Keysight	N9030B	MY57140404	2019/06/18	2020/06/17
Spectrum Analyzer	Keysight	N9010B	MY57110159	2019/05/03	2020/05/02
Wireless Conn. Tseter	R&S	CMW500	157118	2019/08/08	2020/08/07
Wideband Radio Communication Tester	R&S	CMW500	106071	2019/01/16	2020/01/15

Occupied Bandwidth / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/12/21	2019/12/20
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2019/03/15	2020/03/14
Spectrum Analyzer	Keysight	N9030B	MY57140404	2019/06/18	2020/06/17
Spectrum Analyzer	Keysight	N9010B	MY57110159	2019/05/03	2020/05/02
Wireless Conn. Tseter	R&S	CMW500	157118	2019/08/08	2020/08/07
Wideband Radio Communication Tester	R&S	CMW500	106071	2019/01/16	2020/01/15

Peak To Average Ratio / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/12/21	2019/12/20
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2019/03/15	2020/03/14
Spectrum Analyzer	Keysight	N9030B	MY57140404	2019/06/18	2020/06/17
Spectrum Analyzer	Keysight	N9010B	MY57110159	2019/05/03	2020/05/02
Wireless Conn. Tseter	R&S	CMW500	157118	2019/08/08	2020/08/07
Wideband Radio Communication Tester	R&S	CMW500	106071	2019/01/16	2020/01/15

Conducted Spurious Emissions / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/12/21	2019/12/20
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2019/03/15	2020/03/14
Spectrum Analyzer	Keysight	N9030B	MY57140404	2019/06/18	2020/06/17
Spectrum Analyzer	Keysight	N9010B	MY57110159	2019/05/03	2020/05/02
Wireless Conn. Tseter	R&S	CMW500	157118	2019/08/08	2020/08/07
Wideband Radio Communication Tester	R&S	CMW500	106071	2019/01/16	2020/01/15

Radiated Spurious Emissions / CB4-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2019/05/28	2020/05/27
Bilog Antenna	Teseq	CBL6112D	23191	2019/06/17	2020/06/16
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/12/21	2019/12/20
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2019/03/15	2020/03/14
Signal Analyzer	R&S	FSVA40	101455	2018/11/05	2019/11/04
Horn Antenna	Schwarzbeck	BBHA 9170	202	2019/01/16	2020/01/15
Pre-Amplifier	DEKRA	AP-400C	201801231	2018/12/05	2019/12/04
Pre-Amplifier	EMCI	EMC11830I	980366	2018/12/21	2019/12/20
Horn Antenna	Schwarzbeck	BBHA 9120D	01656	2018/10/17	2019/10/16
Pre-Amplifier	DEKRA	AP-025C	201801236	2019/02/18	2020/02/17
Signal Analyzer	R&S	FSV40	101435	2019/07/08	2020/070/7
Wideband Radio Communication Tester	R&S	CMW500	106071	2019/01/16	2020/01/15
Wireless Conn. Tseter	R&S	CMW500	157118	2019/08/08	2020/08/07
Coaxial Cable(23.5m)	Suhner	SF102_SF104_SF106	CB4_1	2018/08/21	2019/08/20
EMI system	DEKRA	Version 1.0	CB4-H	NA	NA

Spurious Emissions at Antenna Terminals / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/12/21	2019/12/20
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2019/03/15	2020/03/14
Spectrum Analyzer	Keysight	N9030B	MY57140404	2019/06/18	2020/06/17
Spectrum Analyzer	Keysight	N9010B	MY57110159	2019/05/03	2020/05/02
Wireless Conn. Tseter	R&S	CMW500	157118	2019/08/08	2020/08/07
Wideband Radio Communication Tester	R&S	CMW500	106071	2019/01/16	2020/01/15

Frequency Stability / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/12/21	2019/12/20
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2019/03/15	2020/03/14
Spectrum Analyzer	Keysight	N9030B	MY57140404	2019/06/18	2020/06/17
Spectrum Analyzer	Keysight	N9010B	MY57110159	2019/05/03	2020/05/02
Wireless Conn. Tseter	R&S	CMW500	157118	2019/08/08	2020/08/07
Wideband Radio Communication Tester	R&S	CMW500	106071	2019/01/16	2020/01/15

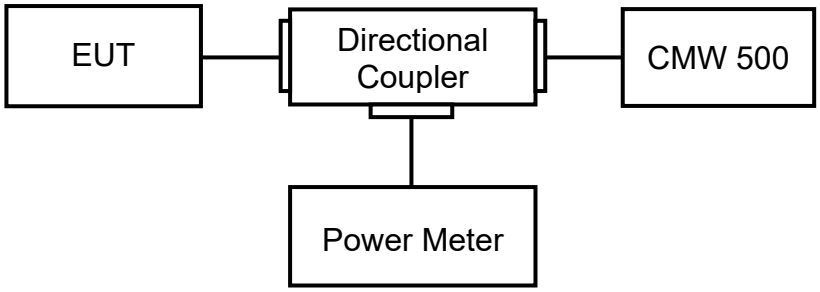
Note: All equipment upon which need to calibrated are with calibration period of 1 year.

2.4. Uncertainty

Test Item	Uncertainty
RF Output Power	±1.27 dB
Occupied Bandwidth	± 10 Hz
Peak To Average Ratio	Not exceed 13 dB
Spurious Emissions	± 1.27 dB for Conducted Measurement ± 3.2 dB for Radiated Measurement
Spurious Emissions at Antenna Terminals	± 3.2 dB
Frequency Stability	± 10 Hz

3. RF Output Power

3.1. Test Setup



3.2. Test Procedure

a) The RF output of the transmitter was connected to base station simulator.
b) 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..
c) Set EUT at maximum average power by base station simulator.
d) Measure lowest, middle, and highest channels for each bandwidth and different modulation.

Effective Isotropic Radiated Power = Conducted Power(dBm) + Antenna Gain(dBi)
Effective Radiated Power = Conducted Power(dBm) + Antenna Gain(dBi) - 2.15dB
The conversion of dBm to watts is given by the formula:

$$P_{(W)} = 1W \times \frac{10^{\left(\frac{P_{(dBm)}}{10}\right)}}{1000} = 10^{((P_{(dBm)}-30)/10)}$$

3.3. Test Method

KDB 971168 D01 Power Meas License Digital Systems v03 sub-clause 5.2.4
ANSI C63.26: 2015 Sub-clause 5.2.4.2

3.4. Test Result

Product	Module		
Test Item	RF Output Power		
Test Mode	Mode 1: LTE Band 2 Mode 2: LTE Band 4 Mode 3: LTE Band 5 Mode 4: LTE Band 12 Mode 5: LTE Band 13 Mode 6: LTE Band 25 Mode 7: LTE Band 26 Mode 8: LTE Band 66 Mode 9: LTE Band 71		
Date of Test	2019/08/21	Test Site	SR10-H

Band	Channel	Lower Limit (dBm)	Upper Limit (dBm)	Actual Result (dBm)	Uncertainty (dB)
2	Low	21	24	23.32	± 1.27
	Middle	21	24	23.27	± 1.27
	High	21	24	23.37	± 1.27
4	Low	21	24	23.28	± 1.27
	Middle	21	24	23.29	± 1.27
	High	21	24	23.40	± 1.27
5	Low	21	24	23.98	± 1.27
	Middle	21	24	23.57	± 1.27
	High	21	24	23.57	± 1.27
12	Low	21	24	23.69	± 1.27
	Middle	21	24	23.49	± 1.27
	High	21	24	23.61	± 1.27
13	Low	21	24	23.38	± 1.27
	Middle	21	24	23.46	± 1.27
	High	21	24	23.34	± 1.27
25	Low	21	24	23.47	± 1.27
	Middle	21	24	23.39	± 1.27
	High	21	24	23.55	± 1.27

Band	Channel	Lower Limit (dBm)	Upper Limit (dBm)	Actual Result (dBm)	Uncertainty (dB)
26	Low	21	24	23.66	± 1.27
	Middle	21	24	23.75	± 1.27
	High	21	24	23.61	± 1.27
66	Low	21	24	23.45	± 1.27
	Middle	21	24	23.38	± 1.27
	High	21	24	23.35	± 1.27
71	Low	21	24	23.45	± 1.27
	Middle	21	24	23.32	± 1.27
	High	21	24	23.74	± 1.27

Product	Module		
Test Item	RF Output Power		
Test Mode	Mode 1: LTE Band 2		
Date of Test	2019/08/21	Test Site	SR10-H

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 2 1.4MHz	18607 1850.7	QPSK	1	0	0	23.30	0.497	2
		QPSK		2		23.25	0.491	2
		QPSK		5		23.27	0.493	2
		QPSK	3	0	0	23.12	0.476	2
		QPSK		1		23.09	0.473	2
		QPSK		3		23.15	0.480	2
		QPSK	6	0	1	22.05	0.372	2
		16-QAM	1	0	1	22.36	0.400	2
		16-QAM		2		22.32	0.396	2
		16-QAM		5		22.35	0.399	2
		16-QAM	3	0	1	22.03	0.371	2
		16-QAM		1		22.08	0.375	2
		16-QAM		3		22.14	0.380	2
		16-QAM	6	0	2	21.12	0.301	2
	18900 1880	QPSK	1	0	0	23.13	0.478	2
		QPSK		2		22.98	0.461	2
		QPSK		5		22.94	0.457	2
		QPSK	3	0	0	23.02	0.466	2
		QPSK		1		23.07	0.471	2
		QPSK		3		23.11	0.475	2
		QPSK	6	0	1	22.21	0.386	2
		16-QAM	1	0	1	22.16	0.382	2
		16-QAM		2		22.04	0.372	2
		16-QAM		5		22.08	0.375	2
		16-QAM	3	0	1	22.10	0.377	2
		16-QAM		1		22.11	0.378	2
		16-QAM		3		22.16	0.382	2
		16-QAM	6	0	2	21.54	0.331	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 2 1.4MHz	19193 1909.3	QPSK	1	0	0	23.27	0.493	2
		QPSK		2		23.21	0.486	2
		QPSK		5		23.23	0.489	2
		QPSK	3	0	0	23.00	0.463	2
		QPSK		1		23.20	0.485	2
		QPSK		3		23.21	0.486	2
		QPSK	6	0	1	22.41	0.405	2
		16-QAM	1	0	1	22.32	0.396	2
		16-QAM		2		22.29	0.394	2
		16-QAM		5		22.28	0.393	2
		16-QAM	3	0	1	22.40	0.404	2
		16-QAM		1		22.36	0.400	2
		16-QAM		3		22.20	0.385	2
		16-QAM	6	0	2	21.29	0.313	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 2 3MHz	18615 1851.5	QPSK	1	0	0	23.16	0.481	2
		QPSK		7		23.11	0.475	2
		QPSK		14		23.09	0.473	2
		QPSK	8	0	1	23.03	0.467	2
		QPSK		4		23.05	0.469	2
		QPSK		7		23.06	0.470	2
		QPSK	15	0	1	22.28	0.393	2
		16-QAM	1	0	1	22.22	0.387	2
		16-QAM		7		22.18	0.384	2
		16-QAM		14		22.15	0.381	2
		16-QAM	8	0	2	22.11	0.378	2
		16-QAM		4		22.08	0.375	2
		16-QAM		7		22.06	0.373	2
		16-QAM	15	0	2	21.27	0.311	2
	18900 1880	QPSK	1	0	0	23.18	0.483	2
		QPSK		7		23.11	0.475	2
		QPSK		14		23.14	0.479	2
		QPSK	8	0	1	23.15	0.480	2
		QPSK		4		23.12	0.476	2
		QPSK		7		23.10	0.474	2
		QPSK	15	0	1	22.35	0.399	2
		16-QAM	1	0	1	22.25	0.390	2
		16-QAM		7		22.20	0.385	2
		16-QAM		14		22.18	0.384	2
		16-QAM	8	0	2	22.33	0.397	2
		16-QAM		4		22.31	0.395	2
		16-QAM		7		22.27	0.392	2
		16-QAM	15	0	2	21.22	0.308	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 2 3MHz	19185 1908.5	QPSK	1	0	0	23.37	0.505	2
		QPSK		7		23.34	0.501	2
		QPSK		14		23.29	0.495	2
		QPSK	8	0	1	23.18	0.483	2
		QPSK		4		23.15	0.480	2
		QPSK		7		23.00	0.463	2
		QPSK	15	0	1	22.25	0.390	2
		16-QAM	1	0	1	22.40	0.404	2
		16-QAM		7		22.37	0.401	2
		16-QAM		14		22.34	0.398	2
		16-QAM	8	0	2	22.53	0.416	2
		16-QAM		4		22.38	0.402	2
		16-QAM		7		22.17	0.383	2
		16-QAM	15	0	2	21.29	0.313	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 2 5MHz	18625 1852.5	QPSK	1	0	0	23.32	0.499	2
		QPSK		12		23.25	0.491	2
		QPSK		24		23.26	0.492	2
		QPSK	12	0	1	23.20	0.485	2
		QPSK		6		23.18	0.483	2
		QPSK		13		23.15	0.480	2
		QPSK	25	0		22.25	0.390	2
		16-QAM	1	0	1	22.31	0.395	2
		16-QAM		12		22.33	0.397	2
		16-QAM		24		22.25	0.390	2
		16-QAM	12	0	2	22.16	0.382	2
		16-QAM		6		22.15	0.381	2
		16-QAM		13		22.25	0.390	2
		16-QAM	25	0		21.32	0.315	2
	18900 1880	QPSK	1	0	0	23.11	0.475	2
		QPSK		12		23.10	0.474	2
		QPSK		24		23.08	0.472	2
		QPSK	12	0	1	23.06	0.470	2
		QPSK		6		23.05	0.469	2
		QPSK		13		23.07	0.471	2
		QPSK	25	0		22.32	0.396	2
		16-QAM	1	0	1	22.15	0.381	2
		16-QAM		12		22.12	0.378	2
		16-QAM		24		22.13	0.379	2
		16-QAM	12	0	2	22.20	0.385	2
		16-QAM		6		22.17	0.383	2
		16-QAM		13		22.15	0.381	2
		16-QAM	25	0		21.22	0.308	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 2 5MHz	19175 1907.5	QPSK	1	0	0	23.30	0.497	2
		QPSK		12		23.27	0.493	2
		QPSK		24		23.28	0.494	2
		QPSK	12	0	1	23.03	0.467	2
		QPSK		6		23.08	0.472	2
		QPSK		13		23.08	0.472	2
		QPSK	25	0		22.31	0.395	2
		16-QAM	1	0	1	22.37	0.401	2
		16-QAM		12		22.35	0.399	2
		16-QAM		24		22.32	0.396	2
		16-QAM	12	0	2	22.31	0.395	2
		16-QAM		6		22.30	0.394	2
		16-QAM		13		22.29	0.394	2
		16-QAM	25	0		21.25	0.310	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 2 10MHz	18650 1855	QPSK	1	0	0	23.32	0.499	2
		QPSK		24		23.25	0.491	2
		QPSK		49		23.21	0.486	2
		QPSK	25	0	1	23.17	0.482	2
		QPSK		12		23.15	0.480	2
		QPSK		25		23.28	0.494	2
		QPSK	50	0		22.23	0.388	2
		16-QAM	1	0	1	22.39	0.403	2
		16-QAM		24		22.37	0.401	2
		16-QAM		49		22.36	0.400	2
		16-QAM	25	0	2	21.97	0.366	2
		16-QAM		12		21.94	0.363	2
		16-QAM		25		21.93	0.362	2
		16-QAM	50	0		21.16	0.303	2
	18900 1880	QPSK	1	0	0	23.10	0.474	2
		QPSK		24		23.08	0.472	2
		QPSK		49		23.07	0.471	2
		QPSK	25	0	1	23.08	0.472	2
		QPSK		12		23.02	0.466	2
		QPSK		25		23.09	0.473	2
		QPSK	50	0		22.33	0.397	2
		16-QAM	1	0	1	22.17	0.383	2
		16-QAM		24		22.14	0.380	2
		16-QAM		49		22.11	0.378	2
		16-QAM	25	0	2	22.23	0.388	2
		16-QAM		12		22.12	0.378	2
		16-QAM		25		21.96	0.365	2
		16-QAM	50	0		21.35	0.317	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 2 10MHz	19150 1905	QPSK	1	0	0	23.22	0.488	2
		QPSK		24		23.20	0.485	2
		QPSK		49		23.21	0.486	2
		QPSK	25	0	1	23.18	0.483	2
		QPSK		12		23.15	0.480	2
		QPSK		25		23.14	0.479	2
		QPSK	50	0		22.45	0.408	2
		16-QAM	1	0	1	22.29	0.394	2
		16-QAM		24		22.26	0.391	2
		16-QAM		49		22.27	0.392	2
		16-QAM	25	0	2	22.23	0.388	2
		16-QAM		12		22.17	0.383	2
		16-QAM		25		22.09	0.376	2
		16-QAM	50	0		21.50	0.328	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 2 15MHz	18675 1857.5	QPSK	1	0	0	23.27	0.493	2
		QPSK		37		23.25	0.491	2
		QPSK		74		23.22	0.488	2
		QPSK	37	0	1	23.18	0.483	2
		QPSK		19		23.19	0.484	2
		QPSK		38		23.23	0.489	2
		QPSK	75	0		22.22	0.387	2
		16-QAM	1	0	1	22.35	0.399	2
		16-QAM		37		22.30	0.394	2
		16-QAM		74		22.31	0.395	2
		16-QAM	37	0	2	22.05	0.372	2
		16-QAM		19		22.26	0.391	2
		16-QAM		38		22.28	0.393	2
		16-QAM	75	0		21.25	0.310	2
	18900 1880	QPSK	1	0	0	23.16	0.481	2
		QPSK		37		23.11	0.475	2
		QPSK		74		23.08	0.472	2
		QPSK	37	0	1	23.02	0.466	2
		QPSK		19		23.04	0.468	2
		QPSK		38		23.08	0.472	2
		QPSK	75	0		22.33	0.397	2
		16-QAM	1	0	1	22.19	0.385	2
		16-QAM		37		22.14	0.380	2
		16-QAM		74		22.16	0.382	2
		16-QAM	37	0	2	22.25	0.390	2
		16-QAM		19		22.26	0.391	2
		16-QAM		38		22.25	0.390	2
		16-QAM	75	0		21.24	0.309	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 2 15MHz	19125 1902.5	QPSK	1	0	0	23.23	0.489	2
		QPSK		37		23.18	0.483	2
		QPSK		74		23.20	0.485	2
		QPSK	37	0	1	23.09	0.473	2
		QPSK		19		23.08	0.472	2
		QPSK		38		23.11	0.475	2
		QPSK	75	0		22.35	0.399	2
		16-QAM	1	0	1	22.30	0.394	2
		16-QAM		37		22.27	0.392	2
		16-QAM		74		22.28	0.393	2
		16-QAM	37	0	2	22.01	0.369	2
		16-QAM		19		22.19	0.385	2
		16-QAM		38		22.25	0.390	2
		16-QAM	75	0		21.16	0.303	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 2 20MHz	18700 1860	QPSK	1	0	0	23.29	0.495	2
		QPSK		49		23.26	0.492	2
		QPSK		99		23.28	0.494	2
		QPSK	50	0	1	23.11	0.475	2
		QPSK		25		23.17	0.482	2
		QPSK		50		23.25	0.491	2
		QPSK	100	0		22.33	0.397	2
		16-QAM	1	0	1	22.34	0.398	2
		16-QAM		49		22.32	0.396	2
		16-QAM		99		22.24	0.389	2
		16-QAM	50	0	2	22.31	0.395	2
		16-QAM		25		22.37	0.401	2
		16-QAM		50		22.49	0.412	2
		16-QAM	100	0		21.25	0.310	2
	18900 1880	QPSK	1	0	0	23.27	0.493	2
		QPSK		49		23.26	0.492	2
		QPSK		99		23.19	0.484	2
		QPSK	50	0	1	23.22	0.488	2
		QPSK		25		23.11	0.475	2
		QPSK		50		23.18	0.483	2
		QPSK	100	0		22.32	0.396	2
		16-QAM	1	0	1	22.31	0.395	2
		16-QAM		49		22.28	0.393	2
		16-QAM		99		22.27	0.392	2
		16-QAM	50	0	2	22.1	0.377	2
		16-QAM		25		22.12	0.378	2
		16-QAM		50		22.18	0.384	2
		16-QAM	100	0		21.38	0.319	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 2 20MHz	19100 1900	QPSK	1	0	0	23.29	0.495	2
		QPSK		49		23.27	0.493	2
		QPSK		99		23.24	0.490	2
		QPSK	50	0	1	23.14	0.479	2
		QPSK		25		23.12	0.476	2
		QPSK		50		23.11	0.475	2
		QPSK	100	0		22.30	0.394	2
		16-QAM	1	0	1	22.36	0.400	2
		16-QAM		49		22.31	0.395	2
		16-QAM		99		22.30	0.394	2
		16-QAM	50	0	2	22.29	0.394	2
		16-QAM		25		22.55	0.418	2
		16-QAM		50		22.64	0.427	2
		16-QAM	100	0		21.33	0.316	2

Product	Module		
Test Item	RF Output Power		
Test Mode	Mode 2: LTE Band 4		
Date of Test	2019/08/28	Test Site	SR10-H

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 4 1.4MHz	19957 1710.7	QPSK	1	0	0	23.20	0.485	1
		QPSK		2		23.18	0.483	1
		QPSK		5		23.19	0.484	1
		QPSK	3	0	0	23.15	0.480	1
		QPSK		1		23.07	0.471	1
		QPSK		3		23.10	0.474	1
		QPSK	6	0	1	22.08	0.375	1
		16-QAM	1	0	1	22.29	0.394	1
		16-QAM		2		22.28	0.393	1
		16-QAM		5		22.24	0.389	1
		16-QAM	3	0	1	21.95	0.364	1
		16-QAM		1		21.89	0.359	1
		16-QAM		3		21.96	0.365	1
		16-QAM	6	0	2	21.18	0.305	1
	20175 1732.5	QPSK	1	0	0	23.17	0.482	1
		QPSK		2		23.11	0.475	1
		QPSK		5		23.15	0.480	1
		QPSK	3	0	0	23.06	0.470	1
		QPSK		1		23.12	0.476	1
		QPSK		3		23.14	0.479	1
		QPSK	6	0	1	22.13	0.379	1
		16-QAM	1	0	1	22.20	0.385	1
		16-QAM		2		22.18	0.384	1
		16-QAM		5		22.12	0.378	1
		16-QAM	3	0	1	21.94	0.363	1
		16-QAM		1		21.95	0.364	1
		16-QAM		3		21.98	0.366	1
		16-QAM	6	0	2	21.11	0.300	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
		QPSK		0		23.29	0.495	1
		QPSK	1	2	0	23.27	0.493	1
		QPSK		5		23.18	0.483	1
		QPSK		0		23.11	0.475	1
		QPSK	3	1	0	23.23	0.489	1
		QPSK		3		23.26	0.492	1
	20393	QPSK	6	0	1	22.29	0.394	1
	1754.3	16-QAM		0		22.36	0.400	1
		16-QAM	1	2	1	22.31	0.395	1
		16-QAM		5		22.32	0.396	1
		16-QAM		0		22.18	0.384	1
		16-QAM	3	1	1	22.19	0.385	1
		16-QAM		3		22.27	0.392	1
		16-QAM	6	0	2	21.42	0.322	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 4 3MHz	19965 1711.5	QPSK	1	0	0	23.19	0.484	1
		QPSK		7		23.18	0.483	1
		QPSK		14		23.17	0.482	1
		QPSK	8	0	1	23.09	0.473	1
		QPSK		4		23.08	0.472	1
		QPSK		7		23.11	0.475	1
		QPSK	15	0	1	21.92	0.361	1
		16-QAM	1	0	1	22.27	0.392	1
		16-QAM		7		22.19	0.385	1
		16-QAM		14		22.24	0.389	1
		16-QAM	8	0	2	21.69	0.343	1
		16-QAM		4		21.68	0.342	1
		16-QAM		7		21.71	0.344	1
		16-QAM	15	0	2	21.06	0.296	1
	20175 1732.5	QPSK	1	0	0	23.22	0.488	1
		QPSK		7		23.19	0.484	1
		QPSK		14		23.20	0.485	1
		QPSK	8	0	1	23.16	0.481	1
		QPSK		4		23.11	0.475	1
		QPSK		7		23.15	0.480	1
		QPSK	15	0	1	22.23	0.388	1
		16-QAM	1	0	1	22.25	0.390	1
		16-QAM		7		22.23	0.388	1
		16-QAM		14		22.24	0.389	1
		16-QAM	8	0	2	22.02	0.370	1
		16-QAM		4		22.18	0.384	1
		16-QAM		7		22.20	0.385	1
		16-QAM	15	0	2	21.54	0.331	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
		QPSK	1	0	0	23.32	0.499	1
		QPSK		7		23.27	0.493	1
		QPSK		14		23.29	0.495	1
		QPSK	8	0	1	23.14	0.479	1
		QPSK		4		23.19	0.484	1
		QPSK		7		23.24	0.490	1
	20385	QPSK	15	0	1	22.40	0.404	1
	1753.5	16-QAM	1	0	1	22.40	0.404	1
		16-QAM		7		22.39	0.403	1
		16-QAM		14		22.34	0.398	1
		16-QAM	8	0	2	22.19	0.385	1
		16-QAM		4		22.10	0.377	1
		16-QAM		7		22.08	0.375	1
		16-QAM	15	0	2	21.29	0.313	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 4 5MHz	19975 1712.5	QPSK	1	0	0	23.09	0.473	1
		QPSK		12		23.07	0.471	1
		QPSK		24		23.06	0.470	1
		QPSK	12	0	1	22.91	0.454	1
		QPSK		6		22.94	0.457	1
		QPSK		13		23.02	0.466	1
		QPSK	25	0		21.97	0.366	1
		16-QAM	1	0	1	22.14	0.380	1
		16-QAM		12		22.11	0.378	1
		16-QAM		24		22.12	0.378	1
		16-QAM	12	0	2	21.82	0.353	1
		16-QAM		6		21.85	0.356	1
		16-QAM		13		21.87	0.357	1
		16-QAM	25	0		21.05	0.296	1
	20175 1732.5	QPSK	1	0	0	23.27	0.493	1
		QPSK		12		23.22	0.488	1
		QPSK		24		23.24	0.490	1
		QPSK	12	0	1	23.08	0.472	1
		QPSK		6		23.11	0.475	1
		QPSK		13		23.24	0.490	1
		QPSK	25	0		22.19	0.385	1
		16-QAM	1	0	1	22.36	0.400	1
		16-QAM		12		22.30	0.394	1
		16-QAM		24		22.31	0.395	1
		16-QAM	12	0	2	21.85	0.356	1
		16-QAM		6		21.96	0.365	1
		16-QAM		13		22.17	0.383	1
		16-QAM	25	0		21.31	0.314	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
		QPSK	1	0	0	23.36	0.504	1
		QPSK		12		23.30	0.497	1
		QPSK		24		23.31	0.498	1
		QPSK	12	0	1	23.19	0.484	1
		QPSK		6		23.28	0.494	1
		QPSK		13		23.35	0.502	1
	20375	QPSK	25	0		22.41	0.405	1
	1752.5	16-QAM	1	0	1	22.42	0.406	1
		16-QAM		12		22.37	0.401	1
		16-QAM		24		22.38	0.402	1
		16-QAM	12	0	2	22.25	0.390	1
		16-QAM		6		22.27	0.392	1
		16-QAM		13		22.26	0.391	1
		16-QAM	25	0		21.32	0.315	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 4 10MHz	20000 1715	QPSK	1	0	0	23.15	0.480	1
		QPSK		24		23.11	0.475	1
		QPSK		49		23.09	0.473	1
		QPSK	25	0	1	23.04	0.468	1
		QPSK		12		23.08	0.472	1
		QPSK		25		23.12	0.476	1
		QPSK	50	0		22.08	0.375	1
		16-QAM	1	0	1	22.21	0.386	1
		16-QAM		24		22.20	0.385	1
		16-QAM		49		22.22	0.387	1
		16-QAM	25	0	2	21.93	0.362	1
		16-QAM		12		21.97	0.366	1
		16-QAM		25		22.00	0.368	1
		16-QAM	50	0		21.11	0.300	1
	20175 1732.5	QPSK	1	0	0	23.29	0.495	1
		QPSK		24		23.25	0.491	1
		QPSK		49		23.26	0.492	1
		QPSK	25	0	1	23.21	0.486	1
		QPSK		12		23.18	0.483	1
		QPSK		25		23.08	0.472	1
		QPSK	50	0		22.05	0.372	1
		16-QAM	1	0	1	22.36	0.400	1
		16-QAM		24		22.31	0.395	1
		16-QAM		49		22.27	0.392	1
		16-QAM	25	0	2	21.91	0.361	1
		16-QAM		12		21.88	0.358	1
		16-QAM		25		21.78	0.350	1
		16-QAM	50	0		21.04	0.295	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
		QPSK		0		23.38	0.506	1
		QPSK	1	24	0	23.33	0.500	1
		QPSK		49		23.35	0.502	1
		QPSK		0		23.17	0.482	1
		QPSK	25	12	1	23.28	0.494	1
		QPSK		25		23.37	0.505	1
	20350	QPSK	50	0		22.30	0.394	1
	1750	16-QAM		0		22.41	0.405	1
		16-QAM	1	24	1	22.39	0.403	1
		16-QAM		49		22.40	0.404	1
		16-QAM		0		22.00	0.368	1
		16-QAM	25	12	2	22.15	0.381	1
		16-QAM		25		22.22	0.387	1
		16-QAM	50	0		21.34	0.316	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 4 15MHz	20025 1717.5	QPSK	1	0	0	23.19	0.484	1
		QPSK		37		23.11	0.475	1
		QPSK		74		23.18	0.483	1
		QPSK	37	0	1	23.05	0.469	1
		QPSK		19		23.03	0.467	1
		QPSK		38		23.04	0.468	1
		QPSK	75	0		22.06	0.373	1
		16-QAM	1	0	1	22.25	0.390	1
		16-QAM		37		22.21	0.386	1
		16-QAM		74		22.24	0.389	1
		16-QAM	37	0	2	21.85	0.356	1
		16-QAM		19		21.87	0.357	1
		16-QAM		38		21.93	0.362	1
		16-QAM	75	0		21.07	0.297	1
	20175 1732.5	QPSK	1	0	0	23.24	0.490	1
		QPSK		37		23.20	0.485	1
		QPSK		74		23.22	0.488	1
		QPSK	37	0	1	23.16	0.481	1
		QPSK		19		23.11	0.475	1
		QPSK		38		22.98	0.461	1
		QPSK	75	0		22.07	0.374	1
		16-QAM	1	0	1	22.28	0.393	1
		16-QAM		37		22.21	0.386	1
		16-QAM		74		22.25	0.390	1
		16-QAM	37	0	2	21.88	0.358	1
		16-QAM		19		21.98	0.366	1
		16-QAM		38		22.15	0.381	1
		16-QAM	75	0		21.07	0.297	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
		QPSK	1	0	0	23.30	0.497	1
		QPSK		37		23.29	0.495	1
		QPSK		74		23.25	0.491	1
		QPSK	37	0	1	23.19	0.484	1
		QPSK		19		23.23	0.489	1
		QPSK		38		23.26	0.492	1
	20325	QPSK	75	0		22.10	0.377	1
	1747.5	16-QAM	1	0	1	22.34	0.398	1
		16-QAM		37		22.29	0.394	1
		16-QAM		74		22.30	0.394	1
		16-QAM	37	0	2	22.12	0.378	1
		16-QAM		19		22.27	0.392	1
		16-QAM		38		22.28	0.393	1
		16-QAM	75	0		21.24	0.309	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 4 20MHz	20050 1720	QPSK	1	0	0	23.28	0.494	1
		QPSK		49		23.25	0.491	1
		QPSK		99		23.24	0.490	1
		QPSK	50	0	1	23.15	0.480	1
		QPSK		25		23.1	0.474	1
		QPSK		50		23.24	0.490	1
		QPSK	100	0		22.06	0.373	1
		16-QAM	1	0	1	22.30	0.394	1
		16-QAM		49		22.29	0.394	1
		16-QAM		99		22.28	0.393	1
		16-QAM	50	0	2	21.83	0.354	1
		16-QAM		25		21.84	0.355	1
		16-QAM		50		22.23	0.388	1
		16-QAM	100	0		21.14	0.302	1
	20175 1732.5	QPSK	1	0	0	23.22	0.488	1
		QPSK		49		23.11	0.475	1
		QPSK		99		23.18	0.483	1
		QPSK	50	0	1	23.03	0.467	1
		QPSK		25		23.05	0.469	1
		QPSK		50		23.19	0.484	1
		QPSK	100	0		22.06	0.373	1
		16-QAM	1	0	1	22.27	0.392	1
		16-QAM		49		22.24	0.389	1
		16-QAM		99		22.22	0.387	1
		16-QAM	50	0	2	21.97	0.366	1
		16-QAM		25		21.94	0.363	1
		16-QAM		50		22.36	0.400	1
		16-QAM	100	0		21.07	0.297	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
		QPSK	1	0	0	23.40	0.508	1
		QPSK		49		23.35	0.502	1
		QPSK		99		23.37	0.505	1
		QPSK	50	0	1	23.16	0.481	1
		QPSK		25		23.19	0.484	1
		QPSK		50		23.38	0.506	1
	20300	QPSK	100	0		22.17	0.383	1
	1745	16-QAM	1	0	1	22.44	0.407	1
		16-QAM		49		22.40	0.404	1
		16-QAM		99		22.42	0.406	1
		16-QAM	50	0	2	21.92	0.361	1
		16-QAM		25		22.07	0.374	1
		16-QAM		50		22.15	0.381	1
		16-QAM	100	0		21.19	0.305	1

Product	Module		
Test Item	RF Output Power		
Test Mode	Mode 3: LTE Band 5		
Date of Test	2019/08/21	Test Site	SR10-H

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 5 1.4MHz	20407 824.7	QPSK	1	0	0	23.89	0.215	7
		QPSK		2		23.79	0.210	7
		QPSK		5		23.80	0.210	7
		QPSK	3	0	0	23.61	0.201	7
		QPSK		1		23.55	0.199	7
		QPSK		3		23.63	0.202	7
		QPSK	6	0	1	22.93	0.172	7
		16-QAM	1	0	1	22.95	0.173	7
		16-QAM		2		22.89	0.171	7
		16-QAM		5		22.89	0.171	7
		16-QAM	3	0	1	22.77	0.166	7
		16-QAM		1		22.63	0.161	7
		16-QAM		3		22.69	0.163	7
		16-QAM	6	0	2	22.26	0.148	7
	20525 836.5	QPSK	1	0	0	23.57	0.200	7
		QPSK		2		23.52	0.197	7
		QPSK		5		23.52	0.197	7
		QPSK	3	0	0	23.24	0.185	7
		QPSK		1		23.15	0.181	7
		QPSK		3		23.18	0.182	7
		QPSK	6	0	1	22.59	0.159	7
		16-QAM	1	0	1	22.66	0.162	7
		16-QAM		2		22.60	0.160	7
		16-QAM		5		22.60	0.160	7
		16-QAM	3	0	1	22.3	0.149	7
		16-QAM		1		22.24	0.147	7
		16-QAM		3		22.33	0.150	7
		16-QAM	6	0	2	21.74	0.131	7

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 5 1.4MHz	20643 848.3	QPSK	1	0	0	23.57	0.200	7
		QPSK		2		23.48	0.195	7
		QPSK		5		23.48	0.195	7
		QPSK	3	0	0	23.25	0.185	7
		QPSK		1		23.16	0.182	7
		QPSK		3		23.25	0.185	7
		QPSK	6	0	1	22.53	0.157	7
		16-QAM	1	0	1	22.63	0.161	7
		16-QAM		2		22.54	0.157	7
		16-QAM		5		22.56	0.158	7
		16-QAM	3	0	1	22.34	0.150	7
		16-QAM		1		22.25	0.147	7
		16-QAM		3		22.29	0.149	7
		16-QAM	6	0	2	21.86	0.135	7

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 5 3MHz	20415 825.5	QPSK	1	0	0	23.98	0.219	7
		QPSK		7		23.92	0.216	7
		QPSK		14		23.89	0.215	7
		QPSK	7	0	1	23.02	0.176	7
		QPSK		4		22.86	0.169	7
		QPSK		8		22.83	0.168	7
		QPSK	15	0	1	22.99	0.175	7
		16-QAM	1	0	1	23.07	0.178	7
		16-QAM		7		23.02	0.176	7
		16-QAM		14		23.00	0.175	7
		16-QAM	7	0	2	21.97	0.138	7
		16-QAM		4		21.83	0.134	7
		16-QAM		8		21.88	0.135	7
		16-QAM	15	0	2	22.11	0.143	7
	20525 836.5	QPSK	1	0	0	23.51	0.197	7
		QPSK		7		23.43	0.193	7
		QPSK		14		23.44	0.194	7
		QPSK	7	0	1	22.5	0.156	7
		QPSK		4		22.51	0.156	7
		QPSK		8		22.61	0.160	7
		QPSK	15	0	1	22.55	0.158	7
		16-QAM	1	0	1	22.60	0.160	7
		16-QAM		7		22.51	0.156	7
		16-QAM		14		22.54	0.157	7
		16-QAM	7	0	2	21.57	0.126	7
		16-QAM		4		21.49	0.124	7
		16-QAM		8		21.33	0.119	7
		16-QAM	15	0	2	21.62	0.127	7

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 5 3MHz	20635 847.5	QPSK	1	0	0	23.47	0.195	7
		QPSK		7		23.40	0.192	7
		QPSK		14		23.40	0.192	7
		QPSK	7	0	1	22.63	0.161	7
		QPSK		4		22.55	0.158	7
		QPSK		8		22.57	0.158	7
		QPSK	15	0	1	22.58	0.159	7
		16-QAM	1	0	1	22.53	0.157	7
		16-QAM		7		22.46	0.155	7
		16-QAM		14		22.45	0.154	7
		16-QAM	7	0	2	22.12	0.143	7
		16-QAM		4		21.98	0.138	7
		16-QAM		8		21.45	0.122	7
		16-QAM	15	0	2	21.7	0.130	7

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 5 5MHz	20425 826.5	QPSK	1	0	0	23.82	0.211	7
		QPSK		12		23.76	0.208	7
		QPSK		24		23.74	0.207	7
		QPSK	12	0	1	23.01	0.175	7
		QPSK		6		22.81	0.167	7
		QPSK		13		22.86	0.169	7
		QPSK	25	0		22.7	0.163	7
		16-QAM	1	0	1	22.91	0.171	7
		16-QAM		12		22.83	0.168	7
		16-QAM		24		22.84	0.169	7
		16-QAM	12	0	2	22.02	0.140	7
		16-QAM		6		21.96	0.138	7
		16-QAM		13		22.01	0.139	7
		16-QAM	25	0		21.55	0.125	7
	20525 836.5	QPSK	1	0	0	23.46	0.195	7
		QPSK		12		23.37	0.191	7
		QPSK		24		23.40	0.192	7
		QPSK	12	0	1	22.44	0.154	7
		QPSK		6		22.43	0.153	7
		QPSK		13		22.7	0.163	7
		QPSK	25	0		22.68	0.163	7
		16-QAM	1	0	1	22.52	0.157	7
		16-QAM		12		22.43	0.153	7
		16-QAM		24		22.43	0.153	7
		16-QAM	12	0	2	21.91	0.136	7
		16-QAM		6		21.87	0.135	7
		16-QAM		13		21.98	0.138	7
		16-QAM	25	0		21.87	0.135	7

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 5 5MHz	20625 846.5	QPSK	1	0	0	23.49	0.196	7
		QPSK		12		23.41	0.192	7
		QPSK		24		23.39	0.191	7
		QPSK	12	0	1	22.97	0.174	7
		QPSK		6		22.49	0.156	7
		QPSK		13		22.47	0.155	7
		QPSK	25	0		22.69	0.163	7
		16-QAM	1	0	1	22.55	0.158	7
		16-QAM		12		22.48	0.155	7
		16-QAM		24		22.46	0.155	7
		16-QAM	12	0	2	22.35	0.151	7
		16-QAM		6		21.58	0.126	7
		16-QAM		13		21.58	0.126	7
		16-QAM	25	0		21.65	0.128	7

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 5 10MHz	20450 829	QPSK	1	0	0	23.85	0.213	7
		QPSK		24		23.75	0.208	7
		QPSK		49		23.80	0.210	7
		QPSK	25	0	1	22.78	0.166	7
		QPSK		12		22.76	0.166	7
		QPSK		25		22.82	0.168	7
		QPSK	50	0		22.73	0.164	7
		16-QAM	1	0	1	22.91	0.171	7
		16-QAM		24		22.83	0.168	7
		16-QAM		49		22.81	0.167	7
		16-QAM	25	0	2	21.7	0.130	7
		16-QAM		12		21.44	0.122	7
		16-QAM		25		21.53	0.125	7
		16-QAM	50	0		21.8	0.133	7
	20525 836.5	QPSK	1	0	0	23.53	0.198	7
		QPSK		24		23.43	0.193	7
		QPSK		49		23.46	0.195	7
		QPSK	25	0	1	22.82	0.168	7
		QPSK		12		22.56	0.158	7
		QPSK		25		22.49	0.156	7
		QPSK	50	0		22.75	0.165	7
		16-QAM	1	0	1	22.62	0.160	7
		16-QAM		24		22.55	0.158	7
		16-QAM		49		22.57	0.158	7
		16-QAM	25	0	2	21.61	0.127	7
		16-QAM		12		21.52	0.124	7
		16-QAM		25		21.62	0.127	7
		16-QAM	50	0		21.78	0.132	7

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 5 10MHz	20600 844	QPSK	1	0	0	23.44	0.194	7
		QPSK		24		23.37	0.191	7
		QPSK		49		23.38	0.191	7
		QPSK	25	0	1	22.45	0.154	7
		QPSK		12		22.44	0.154	7
		QPSK		25		22.49	0.156	7
		QPSK	50	0		22.75	0.165	7
		16-QAM	1	0	1	22.52	0.157	7
		16-QAM		24		22.45	0.154	7
		16-QAM		49		22.42	0.153	7
		16-QAM	25	0	2	21.59	0.126	7
		16-QAM		12		21.53	0.125	7
		16-QAM		25		21.22	0.116	7
		16-QAM	50	0		21.55	0.125	7

Product	Module		
Test Item	RF Output Power		
Test Mode	Mode 4: LTE Band 12		
Date of Test	2019/08/21	Test Site	SR10-H

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 12 1.4MHz	23017 699.7	QPSK	1	0	0	23.52	0.262	3
		QPSK		2		23.46	0.258	3
		QPSK		5		23.44	0.257	3
		QPSK	3	0	0	23.43	0.256	3
		QPSK		1		23.34	0.251	3
		QPSK		3		23.17	0.242	3
		QPSK	6	0	1	22.61	0.212	3
		16-QAM	1	0	1	22.58	0.211	3
		16-QAM		2		22.49	0.207	3
		16-QAM		5		22.49	0.207	3
		16-QAM	3	0	1	22.42	0.203	3
		16-QAM		1		22.10	0.189	3
		16-QAM		3		22.13	0.190	3
		16-QAM	6	0	2	21.67	0.171	3
	23097 707.5	QPSK	1	0	0	23.49	0.260	3
		QPSK		2		23.39	0.254	3
		QPSK		5		23.40	0.255	3
		QPSK	3	0	0	23.18	0.242	3
		QPSK		1		23.11	0.238	3
		QPSK		3		23.19	0.243	3
		QPSK	6	0	1	22.43	0.204	3
		16-QAM	1	0	1	22.55	0.209	3
		16-QAM		2		22.49	0.207	3
		16-QAM		5		22.49	0.207	3
		16-QAM	3	0	1	22.30	0.198	3
		16-QAM		1		22.24	0.195	3
		16-QAM		3		22.34	0.200	3
		16-QAM	6	0	2	21.38	0.160	3

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 12 1.4MHz	23173 715.3	QPSK	1	0	0	23.61	0.267	3
		QPSK		2		23.51	0.261	3
		QPSK		5		23.56	0.264	3
		QPSK	3	0	0	23.28	0.248	3
		QPSK		1		23.18	0.242	3
		QPSK		3		23.20	0.243	3
		QPSK	6	0	1	22.56	0.210	3
		16-QAM	1	0	1	22.66	0.215	3
		16-QAM		2		22.57	0.210	3
		16-QAM		5		22.56	0.210	3
		16-QAM	3	0	1	22.34	0.200	3
		16-QAM		1		22.28	0.197	3
		16-QAM		3		22.38	0.201	3
		16-QAM	6	0	2	21.75	0.174	3

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 12 3MHz	23025 700.5	QPSK	1	0	0	23.69	0.272	3
		QPSK		7		23.61	0.267	3
		QPSK		14		23.60	0.267	3
		QPSK	7	0	1	22.82	0.223	3
		QPSK		4		22.59	0.211	3
		QPSK		8		22.59	0.211	3
		QPSK	15	0	1	22.56	0.210	3
		16-QAM	1	0	1	22.79	0.221	3
		16-QAM		7		22.70	0.217	3
		16-QAM		14		22.73	0.218	3
		16-QAM	7	0	2	21.65	0.170	3
		16-QAM		4		21.64	0.170	3
		16-QAM		8		21.75	0.174	3
		16-QAM	15	0	2	21.58	0.167	3
	23095 707.5	QPSK	1	0	0	23.42	0.256	3
		QPSK		7		23.36	0.252	3
		QPSK		14		23.33	0.251	3
		QPSK	7	0	1	22.35	0.200	3
		QPSK		4		22.29	0.197	3
		QPSK		8		22.34	0.200	3
		QPSK	15	0	1	22.53	0.208	3
		16-QAM	1	0	1	22.47	0.206	3
		16-QAM		7		22.39	0.202	3
		16-QAM		14		22.40	0.202	3
		16-QAM	7	0	2	21.48	0.164	3
		16-QAM		4		21.33	0.158	3
		16-QAM		8		21.34	0.158	3
		16-QAM	15	0	2	21.36	0.159	3

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 12 3MHz	23165 714.5	QPSK	1	0	0	23.55	0.264	3
		QPSK		7		23.46	0.258	3
		QPSK		14		23.48	0.259	3
		QPSK	7	0	1	22.71	0.217	3
		QPSK		4		22.50	0.207	3
		QPSK		8		22.42	0.203	3
		QPSK	15	0	1	22.62	0.213	3
		16-QAM	1	0	1	22.64	0.214	3
		16-QAM		7		22.54	0.209	3
		16-QAM		14		22.54	0.209	3
		16-QAM	7	0	2	21.73	0.173	3
		16-QAM		4		21.67	0.171	3
		16-QAM		8		21.61	0.169	3
		16-QAM	15	0	2	21.58	0.167	3

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 12 5MHz	23035 701.5	QPSK	1	0	0	23.55	0.264	3
		QPSK		12		23.47	0.259	3
		QPSK		24		23.47	0.259	3
		QPSK	12	0	1	22.44	0.204	3
		QPSK		6		22.42	0.203	3
		QPSK		13		22.53	0.208	3
		QPSK	25	0		22.60	0.212	3
		16-QAM	1	0	1	22.60	0.212	3
		16-QAM		12		22.55	0.209	3
		16-QAM		24		22.54	0.209	3
		16-QAM	12	0	2	21.56	0.167	3
		16-QAM		6		21.70	0.172	3
		16-QAM		13		21.88	0.179	3
		16-QAM	25	0		21.67	0.171	3
	23095 707.5	QPSK	1	0	0	23.44	0.257	3
		QPSK		12		23.35	0.252	3
		QPSK		24		23.35	0.252	3
		QPSK	12	0	1	22.44	0.204	3
		QPSK		6		22.31	0.198	3
		QPSK		13		22.36	0.200	3
		QPSK	25	0		22.44	0.204	3
		16-QAM	1	0	1	22.51	0.207	3
		16-QAM		12		22.41	0.203	3
		16-QAM		24		22.44	0.204	3
		16-QAM	12	0	2	21.60	0.168	3
		16-QAM		6		21.45	0.163	3
		16-QAM		13		21.51	0.165	3
		16-QAM	25	0		21.40	0.161	3

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 12 5MHz	23155 713.5	QPSK	1	0	0	23.48	0.259	3
		QPSK		12		23.40	0.255	3
		QPSK		24		23.38	0.254	3
		QPSK	12	0	1	22.52	0.208	3
		QPSK		6		22.44	0.204	3
		QPSK		13		22.41	0.203	3
		QPSK	25	0		22.48	0.206	3
		16-QAM	1	0	1	22.54	0.209	3
		16-QAM		12		22.45	0.205	3
		16-QAM		24		22.48	0.206	3
		16-QAM	12	0	2	21.42	0.161	3
		16-QAM		6		21.39	0.160	3
		16-QAM		13		21.54	0.166	3
		16-QAM	25	0		21.37	0.160	3

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 12 10MHz	23060 704	QPSK	1	0	0	23.51	0.261	3
		QPSK		24		23.43	0.256	3
		QPSK		49		23.41	0.255	3
		QPSK	25	0	1	22.55	0.209	3
		QPSK		12		22.47	0.206	3
		QPSK		25		22.32	0.199	3
		QPSK	50	0		22.56	0.210	3
		16-QAM	1	0	1	22.57	0.210	3
		16-QAM		24		22.52	0.208	3
		16-QAM		49		22.49	0.207	3
		16-QAM	25	0	2	21.74	0.174	3
		16-QAM		12		21.61	0.169	3
		16-QAM		25		21.43	0.162	3
		16-QAM	50	0		21.46	0.163	3
	23095 707.5	QPSK	1	0	0	23.45	0.258	3
		QPSK		24		23.35	0.252	3
		QPSK		49		23.38	0.254	3
		QPSK	25	0	1	22.37	0.201	3
		QPSK		12		22.28	0.197	3
		QPSK		25		22.29	0.197	3
		QPSK	50	0		22.45	0.205	3
		16-QAM	1	0	1	22.53	0.208	3
		16-QAM		24		22.47	0.206	3
		16-QAM		49		22.46	0.205	3
		16-QAM	25	0	2	21.78	0.175	3
		16-QAM		12		21.71	0.173	3
		16-QAM		25		21.59	0.168	3
		16-QAM	50	0		21.55	0.166	3

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 12 10MHz	23130 711	QPSK	1	0	0	23.45	0.258	3
		QPSK		24		23.40	0.255	3
		QPSK		49		23.38	0.254	3
		QPSK	25	0	1	22.42	0.203	3
		QPSK		12		22.37	0.201	3
		QPSK		25		22.41	0.203	3
		QPSK	50	0		22.41	0.203	3
		16-QAM	1	0	1	22.54	0.209	3
		16-QAM		24		22.46	0.205	3
		16-QAM		49		22.46	0.205	3
		16-QAM	25	0	2	21.63	0.169	3
		16-QAM		12		21.58	0.167	3
		16-QAM		25		21.89	0.180	3
		16-QAM	50	0		21.41	0.161	3

Product	Module		
Test Item	RF Output Power		
Test Mode	Mode 5: LTE Band 13		
Date of Test	2019/08/21	Test Site	SR10-H

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 13 5MHz	23205 779.5	QPSK	1	0	0	23.38	0.254	3
		QPSK		12		23.25	0.246	3
		QPSK		24		23.21	0.244	3
		QPSK	12	0	1	23.22	0.244	3
		QPSK		6		23.24	0.245	3
		QPSK		13		23.36	0.252	3
		QPSK	25	0		22.41	0.203	3
		16-QAM	1	0	1	22.46	0.205	3
		16-QAM		12		22.39	0.202	3
		16-QAM		24		22.41	0.203	3
		16-QAM	12	0	2	22.27	0.196	3
		16-QAM		6		22.28	0.197	3
		16-QAM		13		22.26	0.196	3
		16-QAM	25	0		21.29	0.157	3
	23230 782	QPSK	1	0	0	23.46	0.258	3
		QPSK		12		23.41	0.255	3
		QPSK		24		23.43	0.256	3
		QPSK	12	0	1	23.44	0.257	3
		QPSK		6		23.37	0.253	3
		QPSK		13		23.35	0.252	3
		QPSK	25	0		22.39	0.202	3
		16-QAM	1	0	1	22.53	0.208	3
		16-QAM		12		22.48	0.206	3
		16-QAM		24		22.50	0.207	3
		16-QAM	12	0	2	22.44	0.204	3
		16-QAM		6		22.33	0.199	3
		16-QAM		13		22.25	0.195	3
		16-QAM	25	0		21.38	0.160	3

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 13 5MHz	23255 784.5	QPSK	1	0	0	23.34	0.251	3
		QPSK		12		23.15	0.240	3
		QPSK		24		23.26	0.247	3
		QPSK	12	0	1	23.30	0.249	3
		QPSK		6		23.24	0.245	3
		QPSK		13		23.15	0.240	3
		QPSK	25	0		22.12	0.190	3
		16-QAM	1	0	1	22.40	0.202	3
		16-QAM		12		22.36	0.200	3
		16-QAM		24		22.37	0.201	3
		16-QAM	12	0	2	22.42	0.203	3
		16-QAM		6		22.37	0.201	3
		16-QAM		13		21.97	0.183	3
		16-QAM	25	0		21.21	0.154	3

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 13 10MHz	23230 782	QPSK	1	0	0	23.18	0.242	3
		QPSK		24		23.14	0.240	3
		QPSK		49		23.16	0.241	3
		QPSK	25	0	1	23.14	0.240	3
		QPSK		12		23.07	0.236	3
		QPSK		25		23.05	0.235	3
		QPSK	50	0		22.23	0.195	3
		16-QAM	1	0	1	22.25	0.195	3
		16-QAM		24		22.20	0.193	3
		16-QAM		49		22.22	0.194	3
		16-QAM	25	0	2	22.01	0.185	3
		16-QAM		12		21.92	0.181	3
		16-QAM		25		21.88	0.179	3
		16-QAM	50	0		21.32	0.158	3

Product	Module		
Test Item	RF Output Power		
Test Mode	Mode 6: LTE Band 25		
Date of Test	2019/08/21	Test Site	SR10-H

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 25 1.4MHz	26047 1850.7	QPSK	1	0	0	23.31	0.498	2
		QPSK		2		23.20	0.485	2
		QPSK		5		23.23	0.489	2
		QPSK	3	0	0	23.20	0.485	2
		QPSK		1		23.25	0.491	2
		QPSK		3		23.29	0.495	2
		QPSK	6	0	1	22.30	0.394	2
		16-QAM	1	0	1	22.37	0.401	2
		16-QAM		2		22.28	0.393	2
		16-QAM		5		22.34	0.398	2
		16-QAM	3	0	1	22.26	0.391	2
		16-QAM		1		22.34	0.398	2
		16-QAM		3		22.41	0.405	2
		16-QAM	6	0	2	21.42	0.322	2
	26365 1882.5	QPSK	1	0	0	23.39	0.507	2
		QPSK		2		23.34	0.501	2
		QPSK		5		23.37	0.505	2
		QPSK	3	0	0	23.26	0.492	2
		QPSK		1		23.30	0.497	2
		QPSK		3		23.37	0.505	2
		QPSK	6	0	1	22.35	0.399	2
		16-QAM	1	0	1	22.47	0.410	2
		16-QAM		2		22.35	0.399	2
		16-QAM		5		22.40	0.404	2
		16-QAM	3	0	1	22.29	0.394	2
		16-QAM		1		22.25	0.390	2
		16-QAM		3		22.08	0.375	2
		16-QAM	6	0	2	21.13	0.301	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 25 1.4MHz	26683 1914.3	QPSK	1	0	0	23.45	0.514	2
		QPSK		2		23.35	0.502	2
		QPSK		5		23.37	0.505	2
		QPSK	3	0	0	23.39	0.507	2
		QPSK		1		23.40	0.508	2
		QPSK		3		23.41	0.509	2
		QPSK	6	0	1	22.36	0.400	2
		16-QAM	1	0	1	22.52	0.415	2
		16-QAM		2		22.42	0.406	2
		16-QAM		5		22.43	0.406	2
		16-QAM	3	0	1	22.40	0.404	2
		16-QAM		1		22.48	0.411	2
		16-QAM		3		22.53	0.416	2
		16-QAM	6	0	2	21.33	0.316	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 25 3MHz	26055 1851.5	QPSK	1	0	0	23.44	0.513	2
		QPSK		7		23.38	0.506	2
		QPSK		14		23.34	0.501	2
		QPSK	8	0	1	23.42	0.511	2
		QPSK		4		23.35	0.502	2
		QPSK		7		23.36	0.504	2
		QPSK	15	0	1	22.35	0.399	2
		16-QAM	1	0	1	22.50	0.413	2
		16-QAM		7		22.44	0.407	2
		16-QAM		14		22.46	0.409	2
		16-QAM	8	0	2	22.26	0.391	2
		16-QAM		4		22.20	0.385	2
		16-QAM		7		22.28	0.393	2
		16-QAM	15	0	2	21.38	0.319	2
	26365 1882.5	QPSK	1	0	0	23.25	0.491	2
		QPSK		7		23.23	0.489	2
		QPSK		14		23.24	0.490	2
		QPSK	8	0	1	23.21	0.486	2
		QPSK		4		23.20	0.485	2
		QPSK		7		23.19	0.484	2
		QPSK	15	0	1	22.30	0.394	2
		16-QAM	1	0	1	22.30	0.394	2
		16-QAM		7		22.26	0.391	2
		16-QAM		14		22.28	0.393	2
		16-QAM	8	0	2	21.95	0.364	2
		16-QAM		4		21.96	0.365	2
		16-QAM		7		22.08	0.375	2
		16-QAM	15	0	2	21.17	0.304	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 25 3MHz	26675 1913.5	QPSK	1	0	0	23.34	0.501	2
		QPSK		7		23.19	0.484	2
		QPSK		14		23.26	0.492	2
		QPSK	8	0	1	23.30	0.497	2
		QPSK		4		23.32	0.499	2
		QPSK		7		23.31	0.498	2
		QPSK	15	0	1	22.54	0.417	2
		16-QAM	1	0	1	22.39	0.403	2
		16-QAM		7		22.35	0.399	2
		16-QAM		14		22.31	0.395	2
		16-QAM	8	0	2	22.16	0.382	2
		16-QAM		4		22.43	0.406	2
		16-QAM		7		22.53	0.416	2
		16-QAM	15	0	2	21.48	0.327	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 25 5MHz	26065 1852.5	QPSK	1	0	0	23.34	0.501	2
		QPSK		12		23.28	0.494	2
		QPSK		24		23.21	0.486	2
		QPSK	12	0	1	23.17	0.482	2
		QPSK		6		23.22	0.488	2
		QPSK		13		23.29	0.495	2
		QPSK	25	0		22.30	0.394	2
		16-QAM	1	0	1	22.39	0.403	2
		16-QAM		12		22.31	0.395	2
		16-QAM		24		22.36	0.400	2
		16-QAM	12	0	2	22.24	0.389	2
		16-QAM		6		22.28	0.393	2
		16-QAM		13		22.31	0.395	2
		16-QAM	25	0		21.19	0.305	2
	26365 1882.5	QPSK	1	0	0	23.26	0.492	2
		QPSK		12		23.20	0.485	2
		QPSK		24		23.15	0.480	2
		QPSK	12	0	1	23.23	0.489	2
		QPSK		6		23.20	0.485	2
		QPSK		13		23.22	0.488	2
		QPSK	25	0		22.34	0.398	2
		16-QAM	1	0	1	22.32	0.396	2
		16-QAM		12		22.26	0.391	2
		16-QAM		24		22.28	0.393	2
		16-QAM	12	0	2	22.23	0.388	2
		16-QAM		6		23.20	0.485	2
		16-QAM		13		22.18	0.384	2
		16-QAM	25	0		21.60	0.336	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 25 5MHz	26665 1912.5	QPSK	1	0	0	23.32	0.499	2
		QPSK		12		23.28	0.494	2
		QPSK		24		23.29	0.495	2
		QPSK	12	0	1	23.24	0.490	2
		QPSK		6		23.21	0.486	2
		QPSK		13		23.29	0.495	2
		QPSK	25	0		22.36	0.400	2
		16-QAM	1	0	1	22.30	0.394	2
		16-QAM		12		22.21	0.386	2
		16-QAM		24		22.26	0.391	2
		16-QAM	12	0	2	22.37	0.401	2
		16-QAM		6		22.49	0.412	2
		16-QAM		13		22.57	0.420	2
		16-QAM	25	0		21.36	0.318	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 25 10MHz	26090 1855	QPSK	1	0	0	23.41	0.509	2
		QPSK		24		23.32	0.499	2
		QPSK		49		23.35	0.502	2
		QPSK	25	0	1	23.37	0.505	2
		QPSK		12		23.36	0.504	2
		QPSK		25		23.28	0.494	2
		QPSK	50	0		22.40	0.404	2
		16-QAM	1	0	1	22.50	0.413	2
		16-QAM		24		22.37	0.401	2
		16-QAM		49		22.34	0.398	2
		16-QAM	25	0	2	22.24	0.389	2
		16-QAM		12		22.26	0.391	2
		16-QAM		25		22.24	0.389	2
		16-QAM	50	0		21.41	0.321	2
	26365 1882.5	QPSK	1	0	0	23.35	0.502	2
		QPSK		24		23.20	0.485	2
		QPSK		49		23.22	0.488	2
		QPSK	25	0	1	23.26	0.492	2
		QPSK		12		23.31	0.498	2
		QPSK		25		23.33	0.500	2
		QPSK	50	0		22.46	0.409	2
		16-QAM	1	0	1	22.41	0.405	2
		16-QAM		24		22.27	0.392	2
		16-QAM		49		22.24	0.389	2
		16-QAM	25	0	2	22.45	0.408	2
		16-QAM		12		22.32	0.396	2
		16-QAM		25		22.07	0.374	2
		16-QAM	50	0		21.43	0.323	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 25 10MHz	26640 1910	QPSK	1	0	0	23.51	0.521	2
		QPSK		24		23.44	0.513	2
		QPSK		49		23.46	0.515	2
		QPSK	25	0	1	23.36	0.504	2
		QPSK		12		23.42	0.511	2
		QPSK		25		23.49	0.519	2
		QPSK	50	0		22.44	0.407	2
		16-QAM	1	0	1	22.56	0.419	2
		16-QAM		24		22.50	0.413	2
		16-QAM		49		22.49	0.412	2
		16-QAM	25	0	2	22.02	0.370	2
		16-QAM		12		22.18	0.384	2
		16-QAM		25		22.21	0.386	2
		16-QAM	50	0		21.48	0.327	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 25 15MHz	26115 1857.5	QPSK	1	0	0	23.39	0.507	2
		QPSK		37		23.32	0.499	2
		QPSK		74		23.37	0.505	2
		QPSK	37	0	1	23.36	0.504	2
		QPSK		19		23.28	0.494	2
		QPSK		38		23.31	0.498	2
		QPSK	75	0		22.40	0.404	2
		16-QAM	1	0	1	22.41	0.405	2
		16-QAM		37		22.38	0.402	2
		16-QAM		74		22.36	0.400	2
		16-QAM	37	0	2	22.19	0.385	2
		16-QAM		19		22.37	0.401	2
		16-QAM		38		22.40	0.404	2
		16-QAM	75	0		21.40	0.321	2
	26365 1882.5	QPSK	1	0	0	23.36	0.504	2
		QPSK		37		23.31	0.498	2
		QPSK		74		23.30	0.497	2
		QPSK	37	0	1	23.34	0.501	2
		QPSK		19		23.29	0.495	2
		QPSK		38		23.38	0.506	2
		QPSK	75	0		22.46	0.409	2
		16-QAM	1	0	1	22.38	0.402	2
		16-QAM		37		22.37	0.401	2
		16-QAM		74		22.32	0.396	2
		16-QAM	37	0	2	22.32	0.396	2
		16-QAM		19		22.38	0.402	2
		16-QAM		38		22.43	0.406	2
		16-QAM	75	0		21.39	0.320	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 25 15MHz	26615 1907.5	QPSK	1	0	0	23.52	0.522	2
		QPSK		37		23.47	0.516	2
		QPSK		74		23.42	0.511	2
		QPSK	37	0	1	23.49	0.519	2
		QPSK		19		23.35	0.502	2
		QPSK		38		23.31	0.498	2
		QPSK	75	0		22.50	0.413	2
		16-QAM	1	0	1	22.52	0.415	2
		16-QAM		37		22.46	0.409	2
		16-QAM		74		22.43	0.406	2
		16-QAM	37	0	2	22.59	0.422	2
		16-QAM		19		22.47	0.410	2
		16-QAM		38		22.34	0.398	2
		16-QAM	75	0		21.45	0.324	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 25 20MHz	26140 1860	QPSK	1	0	0	23.47	0.516	2
		QPSK		49		23.40	0.508	2
		QPSK		99		23.41	0.509	2
		QPSK	50	0	1	23.45	0.514	2
		QPSK		25		23.39	0.507	2
		QPSK		50		23.45	0.514	2
		QPSK	100	0		22.40	0.404	2
		16-QAM	1	0	1	22.46	0.409	2
		16-QAM		49		22.41	0.405	2
		16-QAM		99		22.43	0.406	2
		16-QAM	50	0	2	22.26	0.391	2
		16-QAM		25		22.37	0.401	2
		16-QAM		50		22.58	0.421	2
		16-QAM	100	0		21.41	0.321	2
	26365 1882.5	QPSK	1	0	0	23.32	0.499	2
		QPSK		49		23.27	0.493	2
		QPSK		99		23.26	0.492	2
		QPSK	50	0	1	23.30	0.497	2
		QPSK		25		23.28	0.494	2
		QPSK		50		23.26	0.492	2
		QPSK	100	0		22.41	0.405	2
		16-QAM	1	0	1	22.39	0.403	2
		16-QAM		49		22.36	0.400	2
		16-QAM		99		22.35	0.399	2
		16-QAM	50	0	2	22.39	0.403	2
		16-QAM		25		22.34	0.398	2
		16-QAM		50		22.27	0.392	2
		16-QAM	100	0		21.47	0.326	2

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 25 20MHz	26590 1905	QPSK	1	0	0	23.55	0.526	2
		QPSK		49		23.48	0.518	2
		QPSK		99		23.49	0.519	2
		QPSK	50	0	1	23.52	0.522	2
		QPSK		25		23.44	0.513	2
		QPSK		50		23.33	0.500	2
		QPSK	100	0		22.49	0.412	2
		16-QAM	1	0	1	22.52	0.415	2
		16-QAM		49		22.46	0.409	2
		16-QAM		99		22.47	0.410	2
		16-QAM	50	0	2	22.48	0.411	2
		16-QAM		25		22.55	0.418	2
		16-QAM		50		22.76	0.439	2
		16-QAM	100	0		21.45	0.324	2

Product	Module		
Test Item	RF Output Power (Part 22)		
Test Mode	Mode 7: LTE Band 26		
Date of Test	2019/08/21	Test Site	SR10-H

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 26 1.4MHz	26797 824.7	QPSK	1	0	0	23.72	0.207	7
		QPSK		2		23.68	0.205	7
		QPSK		5		23.70	0.206	7
		QPSK	3	0	0	23.59	0.200	7
		QPSK		1		23.53	0.198	7
		QPSK		3		23.51	0.197	7
		QPSK	6	0	1	22.46	0.155	7
		16-QAM	1	0	1	22.78	0.166	7
		16-QAM		2		22.75	0.165	7
		16-QAM		5		22.76	0.166	7
		16-QAM	3	0	1	22.40	0.152	7
		16-QAM		1		22.53	0.157	7
		16-QAM		3		22.66	0.162	7
		16-QAM	6	0	2	21.71	0.130	7
	26915 836.5	QPSK	1	0	0	23.78	0.209	7
		QPSK		2		23.64	0.203	7
		QPSK		5		23.69	0.205	7
		QPSK	3	0	0	23.71	0.206	7
		QPSK		1		23.66	0.204	7
		QPSK		3		23.73	0.207	7
		QPSK	6	0	1	22.65	0.161	7
		16-QAM	1	0	1	22.85	0.169	7
		16-QAM		2		22.81	0.167	7
		16-QAM		5		22.83	0.168	7
		16-QAM	3	0	1	22.72	0.164	7
		16-QAM		1		22.60	0.160	7
		16-QAM		3		22.66	0.162	7
		16-QAM	6	0	2	21.72	0.130	7

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 26 1.4MHz	27033 848.3	QPSK	1	0	0	23.49	0.196	7
		QPSK		2		23.32	0.188	7
		QPSK		5		23.44	0.194	7
		QPSK	3	0	0	23.41	0.192	7
		QPSK		1		23.38	0.191	7
		QPSK		3		23.43	0.193	7
		QPSK	6	0	1	22.59	0.159	7
		16-QAM	1	0	1	22.51	0.156	7
		16-QAM		2		22.38	0.152	7
		16-QAM		5		22.49	0.156	7
		16-QAM	3	0	1	22.61	0.160	7
		16-QAM		1		22.58	0.159	7
		16-QAM		3		22.43	0.153	7
		16-QAM	6	0	2	21.69	0.129	7

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 26 3MHz	26805 825.5	QPSK	1	0	0	23.66	0.204	7
		QPSK		7		23.58	0.200	7
		QPSK		14		23.54	0.198	7
		QPSK	8	0	1	23.57	0.200	7
		QPSK		4		23.52	0.197	7
		QPSK		7		23.64	0.203	7
		QPSK	15	0	1	22.52	0.157	7
		16-QAM	1	0	1	22.72	0.164	7
		16-QAM		7		22.65	0.161	7
		16-QAM		14		22.61	0.160	7
		16-QAM	8	0	2	22.36	0.151	7
		16-QAM		4		22.46	0.155	7
		16-QAM		7		22.55	0.158	7
		16-QAM	15	0	2	21.40	0.121	7
	26915 836.5	QPSK	1	0	0	23.76	0.208	7
		QPSK		7		23.71	0.206	7
		QPSK		14		23.74	0.207	7
		QPSK	8	0	1	23.73	0.207	7
		QPSK		4		23.66	0.204	7
		QPSK		7		23.50	0.196	7
		QPSK	15	0	1	22.66	0.162	7
		16-QAM	1	0	1	22.84	0.169	7
		16-QAM		7		22.82	0.168	7
		16-QAM		14		21.83	0.134	7
		16-QAM	8	0	2	22.75	0.165	7
		16-QAM		4		22.72	0.164	7
		16-QAM		7		22.75	0.165	7
		16-QAM	15	0	2	21.63	0.128	7

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 26 3MHz	27025 847.5	QPSK	1	0	0	23.61	0.201	7
		QPSK		7		23.56	0.199	7
		QPSK		14		23.54	0.198	7
		QPSK	8	0	1	23.58	0.200	7
		QPSK		4		23.55	0.199	7
		QPSK		7		23.43	0.193	7
		QPSK	15	0	1	22.60	0.160	7
		16-QAM	1	0	1	22.69	0.163	7
		16-QAM		7		22.65	0.161	7
		16-QAM		14		22.63	0.161	7
		16-QAM	8	0	2	22.64	0.161	7
		16-QAM		4		22.59	0.159	7
		16-QAM		7		22.19	0.145	7
		16-QAM	15	0	2	21.36	0.120	7

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 26 5MHz	26815 826.5	QPSK	1	0	0	23.64	0.203	7
		QPSK		12		23.60	0.201	7
		QPSK		24		23.58	0.200	7
		QPSK	12	0	1	23.46	0.195	7
		QPSK		6		23.52	0.197	7
		QPSK		13		23.60	0.201	7
		QPSK	25	0		22.65	0.161	7
		16-QAM	1	0	1	22.70	0.163	7
		16-QAM		12		22.68	0.163	7
		16-QAM		24		22.63	0.161	7
		16-QAM	12	0	2	22.49	0.156	7
		16-QAM		6		22.52	0.157	7
		16-QAM		13		22.50	0.156	7
		16-QAM	25	0		21.36	0.120	7
	26915 836.5	QPSK	1	0	0	23.64	0.203	7
		QPSK		12		23.52	0.197	7
		QPSK		24		23.58	0.200	7
		QPSK	12	0	1	23.60	0.201	7
		QPSK		6		23.57	0.200	7
		QPSK		13		23.46	0.195	7
		QPSK	25	0		22.66	0.162	7
		16-QAM	1	0	1	22.73	0.164	7
		16-QAM		12		22.66	0.162	7
		16-QAM		24		22.68	0.163	7
		16-QAM	12	0	2	22.74	0.165	7
		16-QAM		6		22.68	0.163	7
		16-QAM		13		22.56	0.158	7
		16-QAM	25	0		21.55	0.125	7

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 26 5MHz	27015 846.5	QPSK	1	0	0	23.55	0.199	7
		QPSK		12		23.48	0.195	7
		QPSK		24		23.49	0.196	7
		QPSK	12	0	1	23.53	0.198	7
		QPSK		6		23.51	0.197	7
		QPSK		13		23.40	0.192	7
		QPSK	25	0		22.57	0.158	7
		16-QAM	1	0	1	22.61	0.160	7
		16-QAM		12		22.59	0.159	7
		16-QAM		24		22.60	0.160	7
		16-QAM	12	0	2	22.65	0.161	7
		16-QAM		6		22.60	0.160	7
		16-QAM		13		22.48	0.155	7
		16-QAM	25	0		21.55	0.125	7

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 26 10MHz	26840 829	QPSK	1	0	0	23.58	0.200	7
		QPSK		24		23.50	0.196	7
		QPSK		49		23.51	0.197	7
		QPSK	25	0	1	23.46	0.195	7
		QPSK		12		23.47	0.195	7
		QPSK		25		23.54	0.198	7
		QPSK	50	0		22.55	0.158	7
		16-QAM	1	0	1	22.63	0.161	7
		16-QAM		24		22.61	0.160	7
		16-QAM		49		22.56	0.158	7
		16-QAM	25	0	2	22.41	0.153	7
		16-QAM		12		22.39	0.152	7
		16-QAM		25		22.23	0.147	7
		16-QAM	50	0		21.65	0.128	7
	26915 836.5	QPSK	1	0	0	23.69	0.205	7
		QPSK		24		23.66	0.204	7
		QPSK		49		23.61	0.201	7
		QPSK	25	0	1	23.65	0.203	7
		QPSK		12		23.51	0.197	7
		QPSK		25		23.52	0.197	7
		QPSK	50	0		22.63	0.161	7
		16-QAM	1	0	1	22.75	0.165	7
		16-QAM		24		22.71	0.164	7
		16-QAM		49		22.63	0.161	7
		16-QAM	25	0	2	22.46	0.155	7
		16-QAM		12		22.38	0.152	7
		16-QAM		25		22.32	0.150	7
		16-QAM	50	0		21.56	0.126	7

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 26 10MHz	26990 844	QPSK	1	0	0	23.52	0.197	7
		QPSK		24		23.44	0.194	7
		QPSK		49		23.48	0.195	7
		QPSK	25	0	1	23.50	0.196	7
		QPSK		12		23.43	0.193	7
		QPSK		25		23.50	0.196	7
		QPSK	50	0		22.61	0.160	7
		16-QAM	1	0	1	22.61	0.160	7
		16-QAM		24		22.53	0.157	7
		16-QAM		49		22.55	0.158	7
		16-QAM	25	0	2	22.49	0.156	7
		16-QAM		12		22.44	0.154	7
		16-QAM		25		22.42	0.153	7
		16-QAM	50	0		21.38	0.121	7

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 26 15MHz	26865 831.5	QPSK	1	0	0	23.67	0.204	7
		QPSK		37		23.60	0.201	7
		QPSK		74		23.61	0.201	7
		QPSK	37	0	1	23.46	0.195	7
		QPSK		19		23.57	0.200	7
		QPSK		38		23.60	0.201	7
		QPSK	75	0		22.54	0.157	7
		16-QAM	1	0	1	22.71	0.164	7
		16-QAM		37		22.68	0.163	7
		16-QAM		74		22.69	0.163	7
		16-QAM	37	0	2	22.43	0.153	7
		16-QAM		19		22.56	0.158	7
		16-QAM		38		22.58	0.159	7
		16-QAM	75	0		21.66	0.129	7
	26915 836.5	QPSK	1	0	0	23.66	0.204	7
		QPSK		37		23.59	0.200	7
		QPSK		74		23.58	0.200	7
		QPSK	37	0	1	23.63	0.202	7
		QPSK		19		23.51	0.197	7
		QPSK		38		23.43	0.193	7
		QPSK	75	0		22.61	0.160	7
		16-QAM	1	0	1	22.72	0.164	7
		16-QAM		37		22.64	0.161	7
		16-QAM		74		22.65	0.161	7
		16-QAM	37	0	2	22.58	0.159	7
		16-QAM		19		22.42	0.153	7
		16-QAM		38		22.44	0.154	7
		16-QAM	75	0		21.61	0.127	7

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 26 15MHz	26965 841.5	QPSK	1	0	0	23.53	0.198	7
		QPSK		37		23.47	0.195	7
		QPSK		74		23.46	0.195	7
		QPSK	37	0	1	23.51	0.197	7
		QPSK		19		23.46	0.195	7
		QPSK		38		23.49	0.196	7
		QPSK	75	0		22.37	0.151	7
		16-QAM	1	0	1	22.55	0.158	7
		16-QAM		37		22.51	0.156	7
		16-QAM		74		22.53	0.157	7
		16-QAM	37	0	2	22.43	0.153	7
		16-QAM		19		22.45	0.154	7
		16-QAM		38		22.46	0.155	7
		16-QAM	75	0		21.47	0.123	7

Product	Module		
Test Item	RF Output Power (Part 22)		
Test Mode	Mode 7: LTE Band 26		
Date of Test	2019/08/21	Test Site	SR10-H

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 26 1.4MHz	26697 814.7	QPSK	1	0	0	23.66	0.204	100
		QPSK		2		23.61	0.201	100
		QPSK		5		23.55	0.199	100
		QPSK	3	0	0	23.63	0.202	100
		QPSK		1		23.59	0.200	100
		QPSK		3		23.59	0.200	100
		QPSK	6	0	1	22.65	0.161	100
		16-QAM	1	0	1	22.72	0.164	100
		16-QAM		2		22.68	0.163	100
		16-QAM		5		22.69	0.163	100
		16-QAM	3	0	1	22.63	0.161	100
		16-QAM		1		22.69	0.163	100
		16-QAM		3		22.67	0.162	100
		16-QAM	6	0	2	21.69	0.129	100
	26740 819	QPSK	1	0	0	23.78	0.209	100
		QPSK		2		23.72	0.207	100
		QPSK		5		23.76	0.208	100
		QPSK	3	0	0	23.74	0.207	100
		QPSK		1		23.69	0.205	100
		QPSK		3		23.73	0.207	100
		QPSK	6	0	1	22.55	0.158	100
		16-QAM	1	0	1	22.84	0.169	100
		16-QAM		2		22.81	0.167	100
		16-QAM		5		22.82	0.168	100
		16-QAM	3	0	1	22.66	0.162	100
		16-QAM		1		23.68	0.205	100
		16-QAM		3		22.70	0.163	100
		16-QAM	6	0	2	21.97	0.138	100

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 26 1.4MHz	26783 823.3	QPSK	1	0	0	23.75	0.208	100
		QPSK		2		23.71	0.206	100
		QPSK		5		23.74	0.207	100
		QPSK	3	0	0	23.71	0.206	100
		QPSK		1		23.68	0.205	100
		QPSK		3		23.70	0.206	100
		QPSK	6	0	1	22.69	0.163	100
		16-QAM	1	0	1	22.81	0.167	100
		16-QAM		2		22.78	0.166	100
		16-QAM		5		22.77	0.166	100
		16-QAM	3	0	1	22.66	0.162	100
		16-QAM		1		23.56	0.199	100
		16-QAM		3		22.50	0.156	100
		16-QAM	6	0	2	21.90	0.136	100

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 26 3MHz	26705 815.5	QPSK	1	0	0	23.56	0.199	100
		QPSK		7		23.51	0.197	100
		QPSK		14		23.53	0.198	100
		QPSK	8	0	1	23.44	0.194	100
		QPSK		4		23.42	0.193	100
		QPSK		7		23.52	0.197	100
		QPSK	15	0	1	22.60	0.160	100
		16-QAM	1	0	1	22.62	0.160	100
		16-QAM		7		22.57	0.158	100
		16-QAM		14		22.56	0.158	100
		16-QAM	8	0	2	22.48	0.155	100
		16-QAM		4		22.73	0.164	100
		16-QAM		7		22.85	0.169	100
		16-QAM	15	0	2	21.70	0.130	100
	26740 819	QPSK	1	0	0	23.70	0.206	100
		QPSK		7		23.68	0.205	100
		QPSK		14		23.61	0.201	100
		QPSK	8	0	1	23.67	0.204	100
		QPSK		4		23.58	0.200	100
		QPSK		7		23.55	0.199	100
		QPSK	15	0	1	22.70	0.163	100
		16-QAM	1	0	1	22.77	0.166	100
		16-QAM		7		22.73	0.164	100
		16-QAM		14		22.74	0.165	100
		16-QAM	8	0	2	22.54	0.157	100
		16-QAM		4		22.48	0.155	100
		16-QAM		7		22.30	0.149	100
		16-QAM	15	0	2	21.58	0.126	100

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 26 3MHz	26775 822.5	QPSK	1	0	0	23.66	0.204	100
		QPSK		7		23.60	0.201	100
		QPSK		14		23.58	0.200	100
		QPSK	8	0	1	23.59	0.200	100
		QPSK		4		23.62	0.202	100
		QPSK		7		23.60	0.201	100
		QPSK	15	0	1	22.61	0.160	100
		16-QAM	1	0	1	22.75	0.165	100
		16-QAM		7		22.69	0.163	100
		16-QAM		14		22.64	0.161	100
		16-QAM	8	0	2	22.28	0.148	100
		16-QAM		4		22.34	0.150	100
		16-QAM		7		22.45	0.154	100
		16-QAM	15	0	2	21.66	0.129	100

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 26 5MHz	26715 816.5	QPSK	1	0	0	23.63	0.202	100
		QPSK		12		23.49	0.196	100
		QPSK		24		23.48	0.195	100
		QPSK	12	0	1	23.51	0.197	100
		QPSK		6		23.53	0.198	100
		QPSK		13		23.57	0.200	100
		QPSK	25	0		22.35	0.151	100
		16-QAM	1	0	1	22.70	0.163	100
		16-QAM		12		22.68	0.163	100
		16-QAM		24		22.67	0.162	100
		16-QAM	12	0	2	22.55	0.158	100
		16-QAM		6		22.63	0.161	100
		16-QAM		13		22.72	0.164	100
		16-QAM	25	0		21.35	0.120	100
	26740 819	QPSK	1	0	0	23.59	0.200	100
		QPSK		12		23.54	0.198	100
		QPSK		24		23.48	0.195	100
		QPSK	12	0	1	23.52	0.197	100
		QPSK		6		23.50	0.196	100
		QPSK		13		23.48	0.195	100
		QPSK	25	0		22.62	0.160	100
		16-QAM	1	0	1	22.68	0.163	100
		16-QAM		12		22.63	0.161	100
		16-QAM		24		22.61	0.160	100
		16-QAM	12	0	2	22.75	0.165	100
		16-QAM		6		22.71	0.164	100
		16-QAM		13		22.60	0.160	100
		16-QAM	25	0		21.51	0.124	100

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 26 5MHz	26765 821.5	QPSK	1	0	0	23.65	0.203	100
		QPSK		12		23.61	0.201	100
		QPSK		24		23.58	0.200	100
		QPSK	12	0	1	23.57	0.200	100
		QPSK		6		23.64	0.203	100
		QPSK		13		23.53	0.198	100
		QPSK	25	0		22.56	0.158	100
		16-QAM	1	0	1	22.71	0.164	100
		16-QAM		12		22.64	0.161	100
		16-QAM		24		22.68	0.163	100
		16-QAM	12	0	2	22.60	0.160	100
		16-QAM		6		23.63	0.202	100
		16-QAM		13		22.52	0.157	100
		16-QAM	25	0		21.71	0.130	100

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 26 10MHz	26740 819	QPSK	1	0	0	23.66	0.204	100
		QPSK		24		23.47	0.195	100
		QPSK		49		23.50	0.196	100
		QPSK	25	0	1	23.45	0.194	100
		QPSK		12		23.52	0.197	100
		QPSK		25		23.63	0.202	100
		QPSK	50	0		22.63	0.161	100
		16-QAM	1	0	1	22.71	0.164	100
		16-QAM		24		22.68	0.163	100
		16-QAM		49		22.62	0.160	100
		16-QAM	25	0	2	22.62	0.160	100
		16-QAM		12		22.79	0.167	100
		16-QAM		25		22.81	0.167	100
		16-QAM	50	0		21.72	0.130	100

Product	Module		
Test Item	RF Output Power		
Test Mode	Mode 8: LTE Band 66		
Date of Test	2019/08/28	Test Site	SR10-H

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 66 1.4MHz	131979 1710.7	QPSK	1	0	0	23.45	0.514	1
		QPSK		2		23.40	0.508	1
		QPSK		5		23.31	0.498	1
		QPSK	3	0	0	23.29	0.495	1
		QPSK		1		23.34	0.501	1
		QPSK		3		23.30	0.497	1
		QPSK	6	0	1	22.27	0.392	1
		16-QAM	1	0	1	22.36	0.400	1
		16-QAM		2		22.32	0.396	1
		16-QAM		5		22.35	0.399	1
		16-QAM	3	0	1	22.34	0.398	1
		16-QAM		1		22.36	0.400	1
		16-QAM		3		22.30	0.394	1
		16-QAM	6	0	2	21.01	0.293	1
	132322 1745	QPSK	1	0	0	23.26	0.492	1
		QPSK		2		23.09	0.473	1
		QPSK		5		23.11	0.475	1
		QPSK	3	0	0	23.05	0.469	1
		QPSK		1		23.20	0.485	1
		QPSK		3		23.21	0.486	1
		QPSK	6	0	1	22.16	0.382	1
		16-QAM	1	0	1	22.16	0.382	1
		16-QAM		2		22.04	0.372	1
		16-QAM		5		22.08	0.375	1
		16-QAM	3	0	1	22.20	0.385	1
		16-QAM		1		22.09	0.376	1
		16-QAM		3		21.88	0.358	1
		16-QAM	6	0	2	21.20	0.306	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
		QPSK	1	0	0	23.31	0.498	1
		QPSK		2		23.21	0.486	1
		QPSK		5		23.19	0.484	1
		QPSK	3	0	0	23.02	0.466	1
		QPSK		1		23.17	0.482	1
		QPSK		3		23.24	0.490	1
	132665	QPSK	6	0	1	22.24	0.389	1
	1779.3	16-QAM	1	0	1	22.32	0.396	1
		16-QAM		2		22.29	0.394	1
		16-QAM		5		22.28	0.393	1
		16-QAM	3	0	1	22.39	0.403	1
		16-QAM		1		22.30	0.394	1
		16-QAM		3		22.27	0.392	1
		16-QAM	6	0	2	21.52	0.330	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 66 3MHz	131987 1711.5	QPSK	1	0	0	23.22	0.488	1
		QPSK		7		23.09	0.473	1
		QPSK		14		23.11	0.475	1
		QPSK	8	0	1	22.92	0.455	1
		QPSK		4		22.98	0.461	1
		QPSK		7		23.15	0.480	1
		QPSK	15	0	1	22.21	0.386	1
		16-QAM	1	0	1	22.22	0.387	1
		16-QAM		7		22.18	0.384	1
		16-QAM		14		22.15	0.381	1
		16-QAM	8	0	2	22.00	0.368	1
		16-QAM		4		21.89	0.359	1
		16-QAM		7		21.85	0.356	1
		16-QAM	15	0	2	21.16	0.303	1
	132322 1745	QPSK	1	0	0	23.29	0.495	1
		QPSK		7		23.21	0.486	1
		QPSK		14		23.27	0.493	1
		QPSK	8	0	1	23.17	0.482	1
		QPSK		4		23.05	0.469	1
		QPSK		7		22.97	0.460	1
		QPSK	15	0	1	22.13	0.379	1
		16-QAM	1	0	1	22.25	0.390	1
		16-QAM		7		22.20	0.385	1
		16-QAM		14		22.18	0.384	1
		16-QAM	8	0	2	22.33	0.397	1
		16-QAM		4		22.27	0.392	1
		16-QAM		7		21.98	0.366	1
		16-QAM	15	0	2	21.06	0.296	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
		QPSK	1	0	0	23.28	0.494	1
		QPSK		7		23.25	0.491	1
		QPSK		14		23.20	0.485	1
		QPSK	8	0	1	23.14	0.479	1
		QPSK		4		23.01	0.465	1
		QPSK		7		23.20	0.485	1
	132657	QPSK	15	0	1	22.22	0.387	1
	1778.5	16-QAM	1	0	1	22.40	0.404	1
		16-QAM		7		22.37	0.401	1
		16-QAM		14		22.34	0.398	1
		16-QAM	8	0	2	22.29	0.394	1
		16-QAM		4		21.99	0.367	1
		16-QAM		7		21.95	0.364	1
		16-QAM	15	0	2	21.33	0.316	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 66 5MHz	131997 1712.5	QPSK	1	0	0	23.19	0.484	1
		QPSK		12		23.05	0.469	1
		QPSK		24		23.07	0.471	1
		QPSK	12	0	1	23.10	0.474	1
		QPSK		6		23.02	0.466	1
		QPSK		13		22.99	0.462	1
		QPSK	25	0		22.11	0.378	1
		16-QAM	1	0	1	22.31	0.395	1
		16-QAM		12		22.33	0.397	1
		16-QAM		24		22.25	0.390	1
		16-QAM	12	0	2	22.19	0.385	1
		16-QAM		6		22.15	0.381	1
		16-QAM		13		22.08	0.375	1
		16-QAM	25	0		21.21	0.307	1
	132322 1745	QPSK	1	0	0	23.15	0.480	1
		QPSK		12		23.03	0.467	1
		QPSK		24		23.04	0.468	1
		QPSK	12	0	1	22.93	0.456	1
		QPSK		6		22.94	0.457	1
		QPSK		13		23.04	0.468	1
		QPSK	25	0		22.10	0.377	1
		16-QAM	1	0	1	22.15	0.381	1
		16-QAM		12		22.12	0.378	1
		16-QAM		24		22.13	0.379	1
		16-QAM	12	0	2	22.28	0.393	1
		16-QAM		6		22.21	0.386	1
		16-QAM		13		22.17	0.383	1
		16-QAM	25	0		21.10	0.299	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
		QPSK	1	0	0	23.29	0.495	1
		QPSK		12		23.11	0.475	1
		QPSK		24		23.09	0.473	1
		QPSK	12	0	1	23.28	0.494	1
		QPSK		6		23.02	0.466	1
		QPSK		13		23.15	0.480	1
	132647	QPSK	25	0		22.23	0.388	1
	1777.5	16-QAM	1	0	1	22.37	0.401	1
		16-QAM		12		22.35	0.399	1
		16-QAM		24		22.32	0.396	1
		16-QAM	12	0	2	22.21	0.386	1
		16-QAM		6		22.16	0.382	1
		16-QAM		13		22.14	0.380	1
		16-QAM	25	0		21.09	0.299	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 66 10MHz	132022 1715	QPSK	1	0	0	23.17	0.482	1
		QPSK		24		23.10	0.474	1
		QPSK		49		23.08	0.472	1
		QPSK	25	0	1	22.99	0.462	1
		QPSK		12		22.91	0.454	1
		QPSK		25		23.00	0.463	1
		QPSK	50	0		22.16	0.382	1
		16-QAM	1	0	1	22.39	0.403	1
		16-QAM		24		22.37	0.401	1
		16-QAM		49		22.36	0.400	1
		16-QAM	25	0	2	22.21	0.386	1
		16-QAM		12		22.28	0.393	1
		16-QAM		25		22.09	0.376	1
		16-QAM	50	0		21.09	0.299	1
	132322 1745	QPSK	1	0	0	23.23	0.489	1
		QPSK		24		23.19	0.484	1
		QPSK		49		23.17	0.482	1
		QPSK	25	0	1	23.13	0.478	1
		QPSK		12		23.03	0.467	1
		QPSK		25		22.98	0.461	1
		QPSK	50	0		22.15	0.381	1
		16-QAM	1	0	1	22.17	0.383	1
		16-QAM		24		22.14	0.380	1
		16-QAM		49		22.11	0.378	1
		16-QAM	25	0	2	22.06	0.373	1
		16-QAM		12		21.88	0.358	1
		16-QAM		25		21.71	0.344	1
		16-QAM	50	0		21.18	0.305	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
		QPSK	1	0	0	23.22	0.488	1
		QPSK		24		23.11	0.475	1
		QPSK		49		23.15	0.480	1
		QPSK	25	0	1	23.07	0.471	1
		QPSK		12		23.01	0.465	1
		QPSK		25		23.07	0.471	1
	132622	QPSK	50	0		22.10	0.377	1
	1775	16-QAM	1	0	1	22.29	0.394	1
		16-QAM		24		22.26	0.391	1
		16-QAM		49		22.27	0.392	1
		16-QAM	25	0	2	22.03	0.371	1
		16-QAM		12		21.89	0.359	1
		16-QAM		25		21.86	0.356	1
		16-QAM	50	0		21.16	0.303	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 66 15MHz	132047 1717.5	QPSK	1	0	0	23.25	0.491	1
		QPSK		37		23.21	0.486	1
		QPSK		74		23.23	0.489	1
		QPSK	37	0	1	23.17	0.482	1
		QPSK		19		22.96	0.459	1
		QPSK		38		23.00	0.463	1
		QPSK	75	0		22.04	0.372	1
		16-QAM	1	0	1	22.35	0.399	1
		16-QAM		37		22.30	0.394	1
		16-QAM		74		22.31	0.395	1
		16-QAM	37	0	2	21.94	0.363	1
		16-QAM		19		21.97	0.366	1
		16-QAM		38		21.96	0.365	1
		16-QAM	75	0		21.09	0.299	1
	132322 1745	QPSK	1	0	0	23.17	0.482	1
		QPSK		37		23.03	0.467	1
		QPSK		74		23.09	0.473	1
		QPSK	37	0	1	22.89	0.452	1
		QPSK		19		22.96	0.459	1
		QPSK		38		22.94	0.457	1
		QPSK	75	0		22.12	0.378	1
		16-QAM	1	0	1	22.19	0.385	1
		16-QAM		37		22.14	0.380	1
		16-QAM		74		22.16	0.382	1
		16-QAM	37	0	2	21.96	0.365	1
		16-QAM		19		22.21	0.386	1
		16-QAM		38		21.97	0.366	1
		16-QAM	75	0		21.05	0.296	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
		QPSK	1	0	0	23.35	0.502	1
		QPSK		37		23.06	0.470	1
		QPSK		74		23.14	0.479	1
		QPSK	37	0	1	23.06	0.470	1
		QPSK		19		23.09	0.473	1
		QPSK		38		23.35	0.502	1
	132597	QPSK	75	0		22.11	0.378	1
	1772.5	16-QAM	1	0	1	22.30	0.394	1
		16-QAM		37		22.27	0.392	1
		16-QAM		74		22.28	0.393	1
		16-QAM	37	0	2	22.12	0.378	1
		16-QAM		19		22.18	0.384	1
		16-QAM		38		22.20	0.385	1
		16-QAM	75	0		21.17	0.304	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 66 20MHz	132072 1720	QPSK	1	0	0	23.25	0.491	1
		QPSK		49		23.11	0.475	1
		QPSK		99		23.19	0.484	1
		QPSK	50	0	1	23.05	0.469	1
		QPSK		25		23.06	0.470	1
		QPSK		50		23.20	0.485	1
		QPSK	100	0		22.12	0.378	1
		16-QAM	1	0	1	22.34	0.398	1
		16-QAM		49		22.32	0.396	1
		16-QAM		99		22.24	0.389	1
		16-QAM	50	0	2	22.11	0.378	1
		16-QAM		25		22.17	0.383	1
		16-QAM		50		22.15	0.381	1
		16-QAM	100	0		21.03	0.294	1
	132322 1745	QPSK	1	0	0	23.38	0.506	1
		QPSK		49		23.22	0.488	1
		QPSK		99		23.26	0.492	1
		QPSK	50	0	1	23.28	0.494	1
		QPSK		25		23.11	0.475	1
		QPSK		50		23.05	0.469	1
		QPSK	100	0		22.13	0.379	1
		16-QAM	1	0	1	22.31	0.395	1
		16-QAM		49		22.28	0.393	1
		16-QAM		99		22.27	0.392	1
		16-QAM	50	0	2	22.33	0.397	1
		16-QAM		25		22.30	0.394	1
		16-QAM		50		22.21	0.386	1
		16-QAM	100	0		21.14	0.302	1

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
		QPSK	1	0	0	23.30	0.497	1
		QPSK		49		23.15	0.480	1
		QPSK		99		23.11	0.475	1
		QPSK	50	0	1	23.12	0.476	1
		QPSK		25		23.05	0.469	1
		QPSK		50		23.27	0.493	1
	132572	QPSK	100	0		22.19	0.385	1
	1770	16-QAM	1	0	1	22.36	0.400	1
		16-QAM		49		22.31	0.395	1
		16-QAM		99		22.30	0.394	1
		16-QAM	50	0	2	21.97	0.366	1
		16-QAM		25		22.03	0.371	1
		16-QAM		50		21.99	0.367	1
		16-QAM	100	0		21.23	0.308	1

Product	Module		
Test Item	RF Output Power		
Test Mode	Mode 9: LTE Band 71		
Date of Test	2019/08/21	Test Site	SR10-H

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 71 5MHz	113147 665.5	QPSK	1	0	0	23.28	0.148	3
		QPSK		12		23.19	0.145	3
		QPSK		24		23.22	0.146	3
		QPSK	12	0	1	22.30	0.118	3
		QPSK		6		22.22	0.116	3
		QPSK		13		22.25	0.117	3
		QPSK	25	0		22.33	0.119	3
		16-QAM	1	0	1	22.33	0.119	3
		16-QAM		12		22.27	0.117	3
		16-QAM		24		22.23	0.116	3
		16-QAM	12	0	2	21.46	0.097	3
		16-QAM		6		21.41	0.096	3
		16-QAM		13		21.47	0.098	3
		16-QAM	25	0		21.20	0.092	3
	133297 680.5	QPSK	1	0	0	23.24	0.147	3
		QPSK		12		23.14	0.144	3
		QPSK		24		23.18	0.145	3
		QPSK	12	0	1	22.47	0.123	3
		QPSK		6		22.37	0.120	3
		QPSK		13		22.40	0.121	3
		QPSK	25	0		22.46	0.123	3
		16-QAM	1	0	1	22.31	0.119	3
		16-QAM		12		22.26	0.117	3
		16-QAM		24		22.25	0.117	3
		16-QAM	12	0	2	21.71	0.103	3
		16-QAM		6		21.38	0.096	3
		16-QAM		13		21.48	0.098	3
		16-QAM	25	0		21.34	0.095	3

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 71 5MHz	133447 695.5	QPSK	1	0	0	23.65	0.161	3
		QPSK		12		23.58	0.159	3
		QPSK		24		23.60	0.160	3
		QPSK	12	0	1	22.18	0.115	3
		QPSK		6		22.36	0.120	3
		QPSK		13		22.57	0.126	3
		QPSK	25	0		22.52	0.124	3
		16-QAM	1	0	1	22.71	0.130	3
		16-QAM		12		22.62	0.127	3
		16-QAM		24		22.65	0.128	3
		16-QAM	12	0	2	21.61	0.101	3
		16-QAM		6		21.56	0.100	3
		16-QAM		13		21.90	0.108	3
		16-QAM	25	0		21.27	0.093	3

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 71 10MHz	133172 668	QPSK	1	0	0	23.45	0.154	3
		QPSK		24		23.37	0.151	3
		QPSK		49		23.37	0.151	3
		QPSK	25	0	1	22.36	0.120	3
		QPSK		12		22.30	0.118	3
		QPSK		25		22.35	0.120	3
		QPSK	50	0		22.36	0.120	3
		16-QAM	1	0	1	22.54	0.125	3
		16-QAM		24		22.45	0.122	3
		16-QAM		49		22.45	0.122	3
		16-QAM	25	0	2	21.44	0.097	3
		16-QAM		12		21.31	0.094	3
		16-QAM		25		21.40	0.096	3
		16-QAM	50	0		21.38	0.096	3
	133297 680.5	QPSK	1	0	0	23.32	0.150	3
		QPSK		24		23.25	0.147	3
		QPSK		49		23.23	0.147	3
		QPSK	25	0	1	22.50	0.124	3
		QPSK		12		22.30	0.118	3
		QPSK		25		22.34	0.119	3
		QPSK	50	0		22.40	0.121	3
		16-QAM	1	0	1	22.39	0.121	3
		16-QAM		24		22.31	0.119	3
		16-QAM		49		22.31	0.119	3
		16-QAM	25	0	2	21.38	0.096	3
		16-QAM		12		21.25	0.093	3
		16-QAM		25		21.29	0.094	3
		16-QAM	50	0		21.49	0.098	3

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 71 10MHz	133421 693	QPSK	1	0	0	23.74	0.165	3
		QPSK		24		23.66	0.162	3
		QPSK		49		23.69	0.163	3
		QPSK	25	0	1	22.46	0.123	3
		QPSK		12		22.41	0.121	3
		QPSK		25		22.43	0.122	3
		QPSK	50	0		22.49	0.124	3
		16-QAM	1	0	1	22.81	0.133	3
		16-QAM		24		22.74	0.131	3
		16-QAM		49		22.75	0.131	3
		16-QAM	25	0	2	21.44	0.097	3
		16-QAM		12		21.52	0.099	3
		16-QAM		25		21.62	0.101	3
		16-QAM	50	0		21.42	0.097	3

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 71 15MHz	133197 670.5	QPSK	1	0	0	23.36	0.151	3
		QPSK		37		23.27	0.148	3
		QPSK		74		23.31	0.149	3
		QPSK	37	0	1	22.35	0.120	3
		QPSK		19		22.30	0.118	3
		QPSK		38		22.26	0.117	3
		QPSK	75	0		22.33	0.119	3
		16-QAM	1	0	1	22.41	0.121	3
		16-QAM		37		22.31	0.119	3
		16-QAM		74		22.34	0.119	3
		16-QAM	37	0	2	21.61	0.101	3
		16-QAM		19		21.48	0.098	3
		16-QAM		38		21.58	0.100	3
		16-QAM	75	0		21.44	0.097	3
	133297 680.5	QPSK	1	0	0	23.31	0.149	3
		QPSK		37		23.24	0.147	3
		QPSK		74		23.25	0.147	3
		QPSK	37	0	1	22.34	0.119	3
		QPSK		19		22.29	0.118	3
		QPSK		38		22.36	0.120	3
		QPSK	75	0		22.45	0.122	3
		16-QAM	1	0	1	22.36	0.120	3
		16-QAM		37		22.27	0.117	3
		16-QAM		74		22.28	0.118	3
		16-QAM	37	0	2	21.41	0.096	3
		16-QAM		19		21.37	0.095	3
		16-QAM		38		21.52	0.099	3
		16-QAM	75	0		21.38	0.096	3

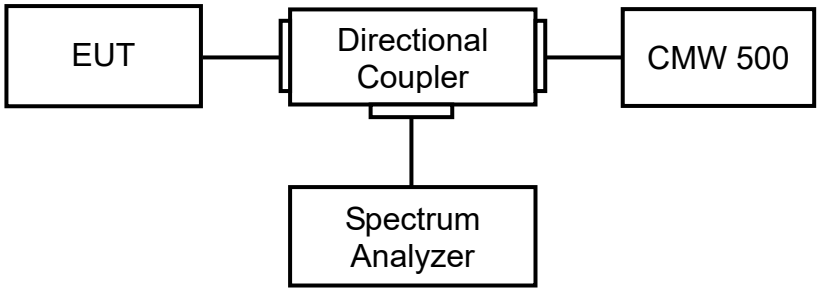
Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 71 15MHz	133397 690.5	QPSK	1	0	0	23.24	0.147	3
		QPSK		37		23.19	0.145	3
		QPSK		74		23.15	0.144	3
		QPSK	37	0	1	22.30	0.118	3
		QPSK		19		22.33	0.119	3
		QPSK		38		22.43	0.122	3
		QPSK	75	0		22.47	0.123	3
		16-QAM	1	0	1	22.31	0.119	3
		16-QAM		37		22.22	0.116	3
		16-QAM		74		22.23	0.116	3
		16-QAM	37	0	2	21.32	0.094	3
		16-QAM		19		21.29	0.094	3
		16-QAM		38		21.64	0.102	3
		16-QAM	75	0		21.42	0.097	3

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 71 20MHz	133222 673	QPSK	1	0	0	23.34	0.150	3
		QPSK		49		23.29	0.149	3
		QPSK		99		23.26	0.148	3
		QPSK	50	0	1	22.41	0.121	3
		QPSK		25		22.36	0.120	3
		QPSK		50		22.37	0.120	3
		QPSK	100	0		22.35	0.120	3
		16-QAM	1	0	1	22.40	0.121	3
		16-QAM		49		22.32	0.119	3
		16-QAM		99		22.34	0.119	3
		16-QAM	50	0	2	21.46	0.097	3
		16-QAM		25		21.45	0.097	3
		16-QAM		50		21.58	0.100	3
		16-QAM	100	0		21.41	0.096	3
	133297 680.5	QPSK	1	0	0	23.15	0.144	3
		QPSK		49		23.05	0.141	3
		QPSK		99		23.05	0.141	3
		QPSK	50	0	1	22.40	0.121	3
		QPSK		25		22.34	0.119	3
		QPSK		50		22.38	0.121	3
		QPSK	100	0		22.44	0.122	3
		16-QAM	1	0	1	22.24	0.117	3
		16-QAM		49		22.15	0.114	3
		16-QAM		99		22.15	0.114	3
		16-QAM	50	0	2	21.52	0.099	3
		16-QAM		25		21.56	0.100	3
		16-QAM		50		21.74	0.104	3
		16-QAM	100	0		21.31	0.094	3

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 71 20MHz	133371 688	QPSK	1	0	0	23.21	0.146	3
		QPSK		49		23.11	0.143	3
		QPSK		99		23.13	0.143	3
		QPSK	50	0	1	22.37	0.120	3
		QPSK		25		22.32	0.119	3
		QPSK		50		22.37	0.120	3
		QPSK	100	0		22.39	0.121	3
		16-QAM	1	0	1	22.30	0.118	3
		16-QAM		49		22.24	0.117	3
		16-QAM		99		22.21	0.116	3
		16-QAM	50	0	2	21.44	0.097	3
		16-QAM		25		21.46	0.097	3
		16-QAM		50		21.59	0.100	3
		16-QAM	100	0		21.43	0.097	3

4. Occupied Bandwidth

4.1. Test Setup



4.2. Test Procedure

1. The EUT was connected to Spectrum Analyzer and Base Station via 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 26 dB bandwidth and 99% occupied bandwidth of the low & middle & high channel for the highest RF powers were measured.

4.3. Test Method

KDB 971168 D01 Power Meas License Digital Systems v03 sub-clause 4.2 & 4.3
ANSI C63.26: 2015 Sub-clause 5.4.3 & 5.4.4

4.4. Test Result

Product	Module		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: LTE Band 2		
Date of Test	2019/08/05~2019/08/06	Test Site	SR10-H

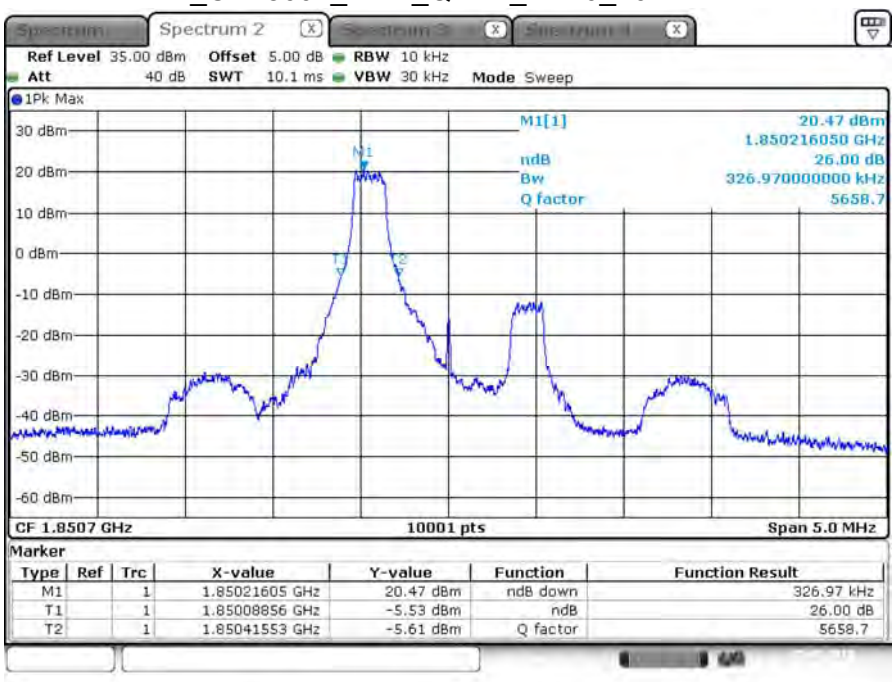
LTE Band 2_1RB Low/high					
Bandwidth (MHz)	Modulation	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
			26dB BW	99% BW	
1.4M	QPSK	1850.7	0.326	0.208	N/A
		1880	0.304	0.212	N/A
		1909.3	0.321	0.211	N/A
	16-QAM	1850.7	0.323	0.217	N/A
		1880	0.347	0.225	N/A
		1909.3	0.336	0.219	N/A
3M	QPSK	1851.5	0.324	0.219	N/A
		1880	0.329	0.211	N/A
		1908.5	0.318	0.210	N/A
	16-QAM	1851.5	0.347	0.220	N/A
		1880	0.322	0.211	N/A
		1908.5	0.324	0.215	N/A
5M	QPSK	1852.5	0.344	0.226	N/A
		1880	0.349	0.226	N/A
		1907.5	0.368	0.231	N/A
	16-QAM	1852.5	0.346	0.223	N/A
		1880	0.395	0.241	N/A
		1907.5	0.376	0.239	N/A
10M	QPSK	1855	0.360	0.245	N/A
		1880	0.372	0.247	N/A
		1905	0.364	0.237	N/A
	16-QAM	1855	0.366	0.235	N/A
		1880	0.352	0.239	N/A
		1905	0.392	0.235	N/A

LTE Band 2_1RB Low/high					
Bandwidth (MHz)	Modulation	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
			26dB BW	99% BW	
15M	QPSK	1857.5	0.369	0.257	N/A
		1880	0.393	0.251	N/A
		1902.5	0.354	0.245	N/A
	16-QAM	1857.5	0.393	0.266	N/A
		1880	0.351	0.263	N/A
		1902.5	0.390	0.257	N/A
20M	QPSK	1860	0.352	0.271	N/A
		1880	0.368	0.263	N/A
		1900	0.388	0.267	N/A
	16-QAM	1860	0.380	0.263	N/A
		1880	0.388	0.279	N/A
		1900	0.400	0.283	N/A

LTE Band 2_Full RB					
Bandwidth (MHz)	Modulation	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
			26dB BW	99% BW	
1.4M	QPSK	1850.7	1.260	1.088	N/A
		1880	1.303	1.093	N/A
		1909.3	1.277	1.103	N/A
	16-QAM	1850.7	1.295	1.094	N/A
		1880	1.272	1.095	N/A
		1909.3	1.303	1.095	N/A
3M	QPSK	1851.5	2.901	2.689	N/A
		1880	2.936	2.683	N/A
		1908.5	2.917	2.682	N/A
	16-QAM	1851.5	2.938	2.680	N/A
		1880	2.919	2.680	N/A
		1908.5	2.879	2.682	N/A
5M	QPSK	1852.5	4.891	4.460	N/A
		1880	4.932	4.482	N/A
		1907.5	4.686	4.453	N/A
	16-QAM	1852.5	4.893	4.469	N/A
		1880	4.816	4.467	N/A
		1907.5	4.685	4.455	N/A
10M	QPSK	1855	9.663	8.919	N/A
		1880	9.719	8.919	N/A
		1905	9.505	8.893	N/A
	16-QAM	1855	9.675	8.927	N/A
		1880	9.613	8.915	N/A
		1905	9.627	8.905	N/A

LTE Band 2_Full RB					
Bandwidth (MHz)	Modulation	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
			26dB BW	99% BW	
15M	QPSK	1857.5	14.413	13.405	N/A
		1880	14.215	13.363	N/A
		1902.5	14.299	13.324	N/A
	16-QAM	1857.5	14.251	13.405	N/A
		1880	14.230	13.366	N/A
		1902.5	14.233	13.348	N/A
20M	QPSK	1860	18.810	17.850	N/A
		1880	18.666	17.754	N/A
		1900	18.670	17.774	N/A
	16-QAM	1860	18.814	17.846	N/A
		1880	18.710	17.786	N/A
		1900	18.610	17.798	N/A

B2_CH18607_1.4M_QPSK_1RB0_26dB BW



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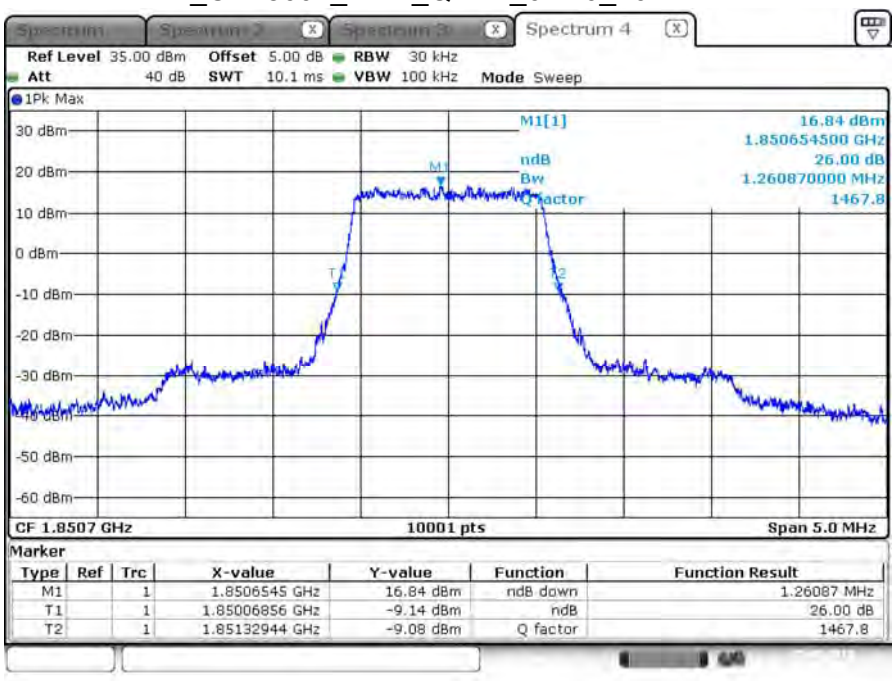

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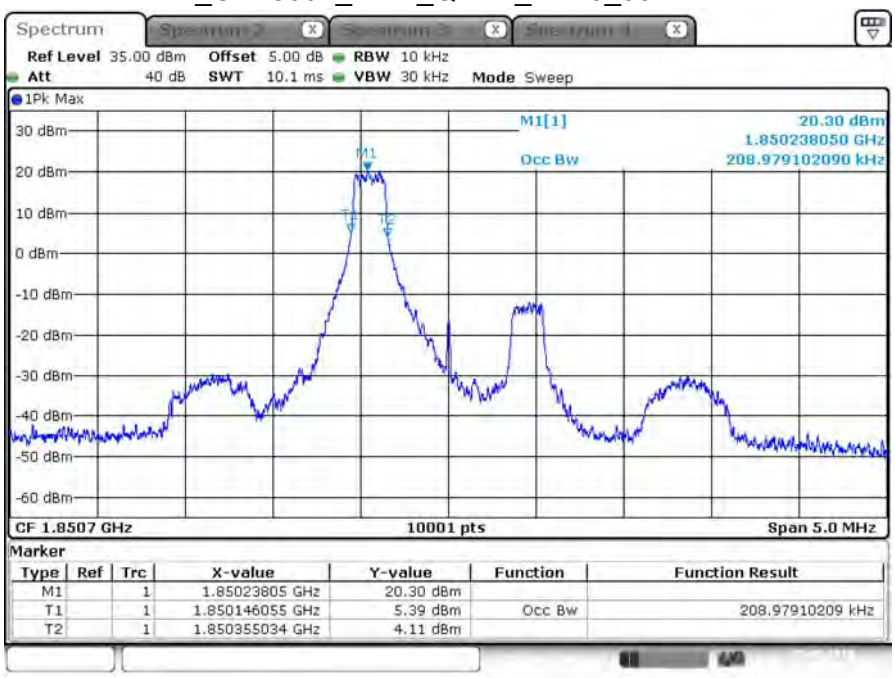

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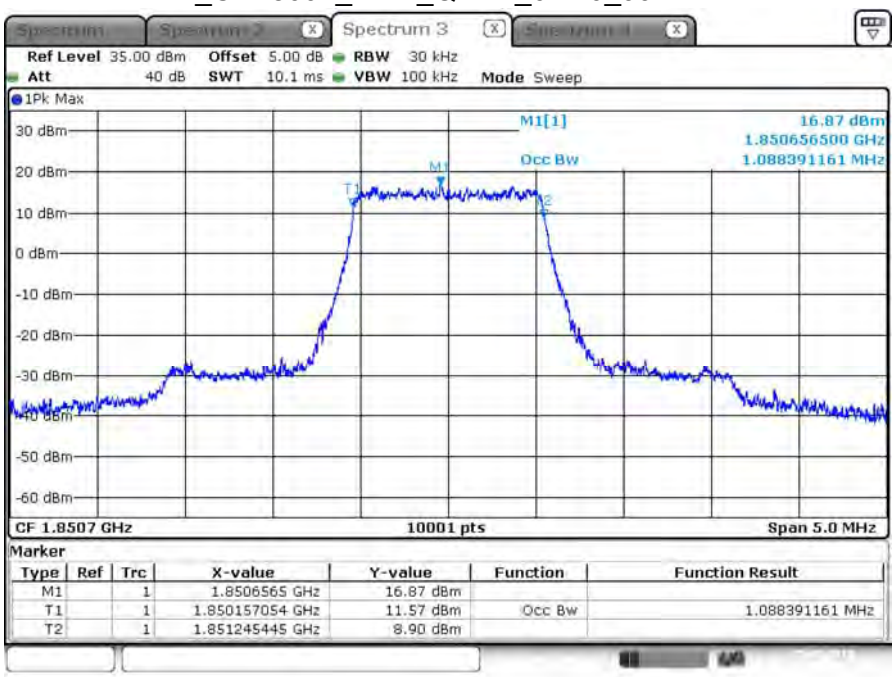

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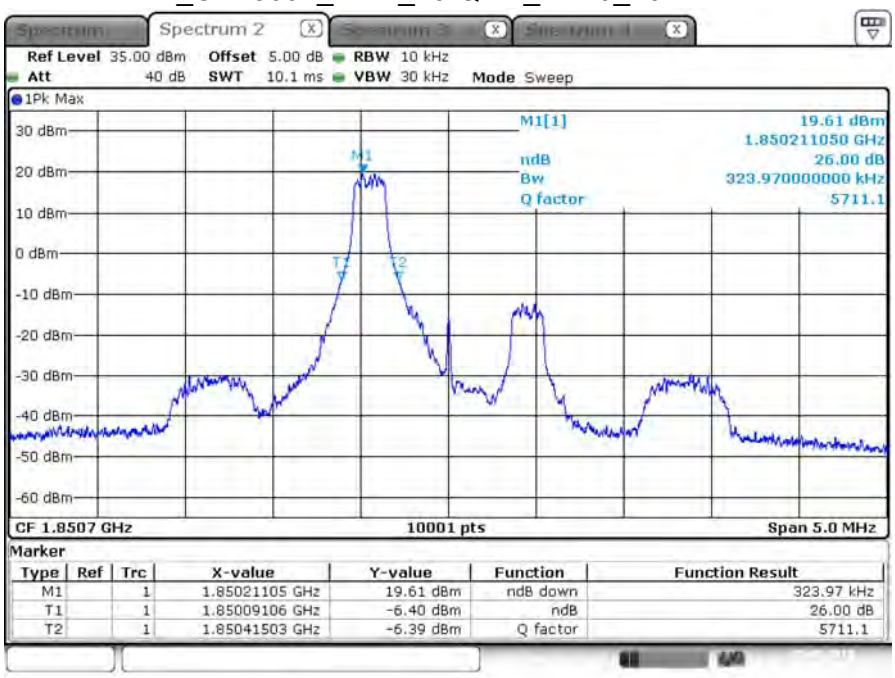

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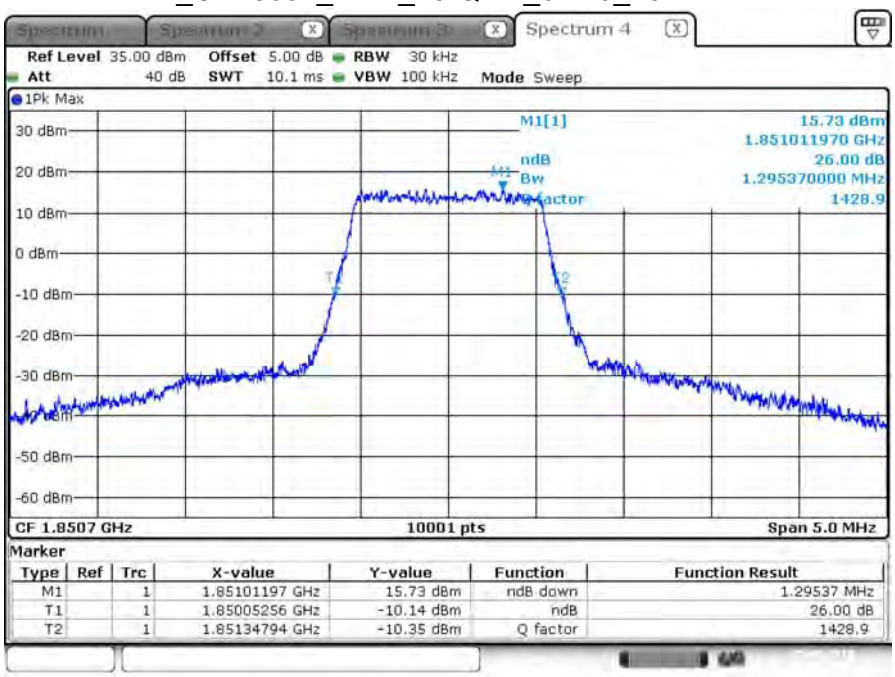

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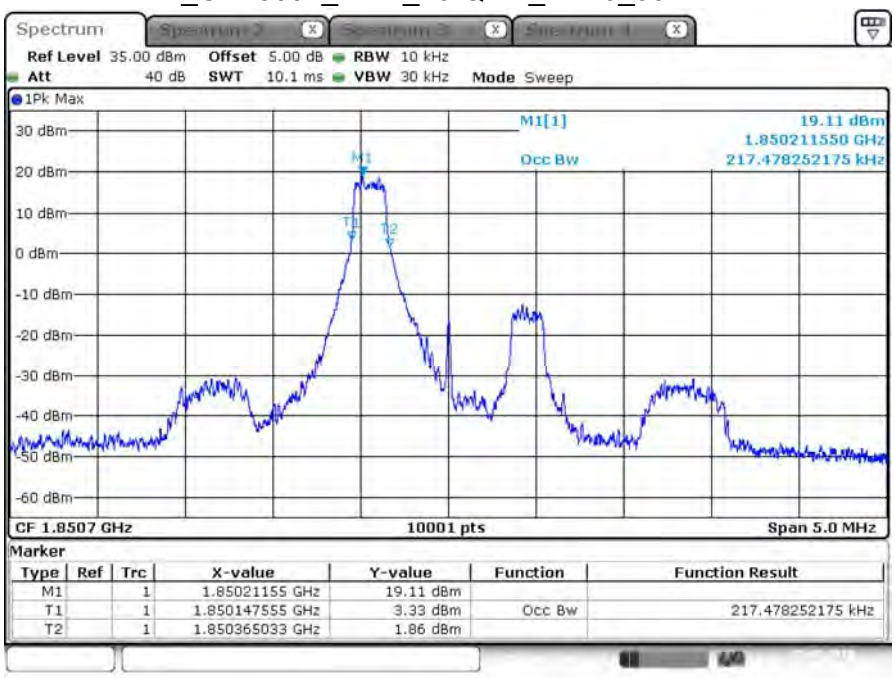

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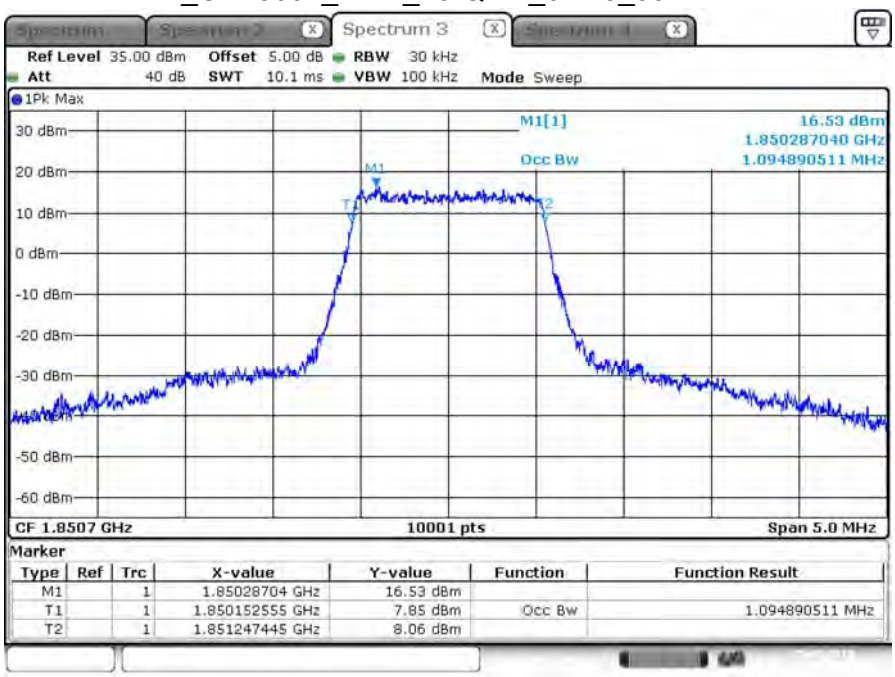

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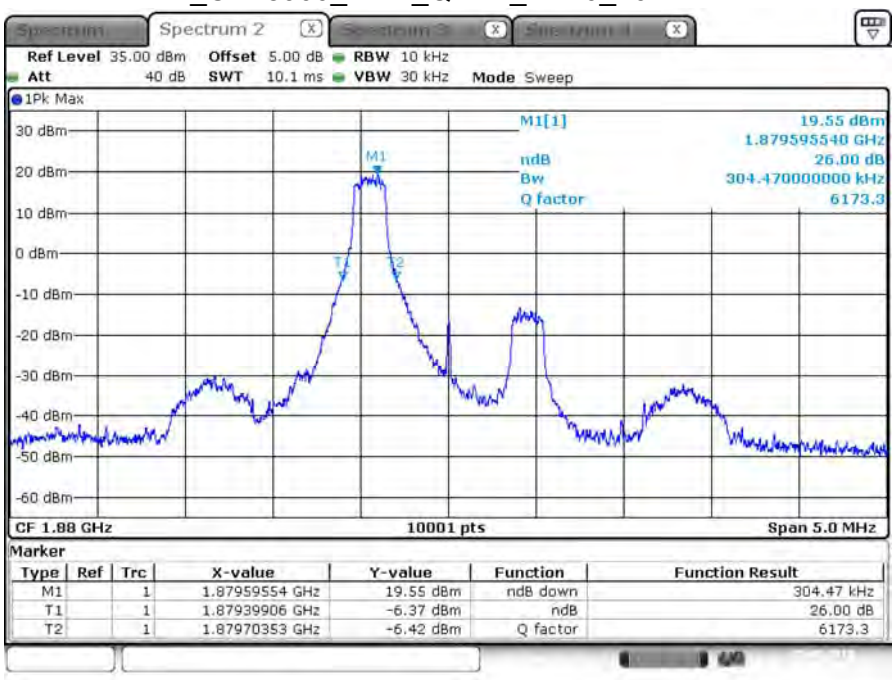

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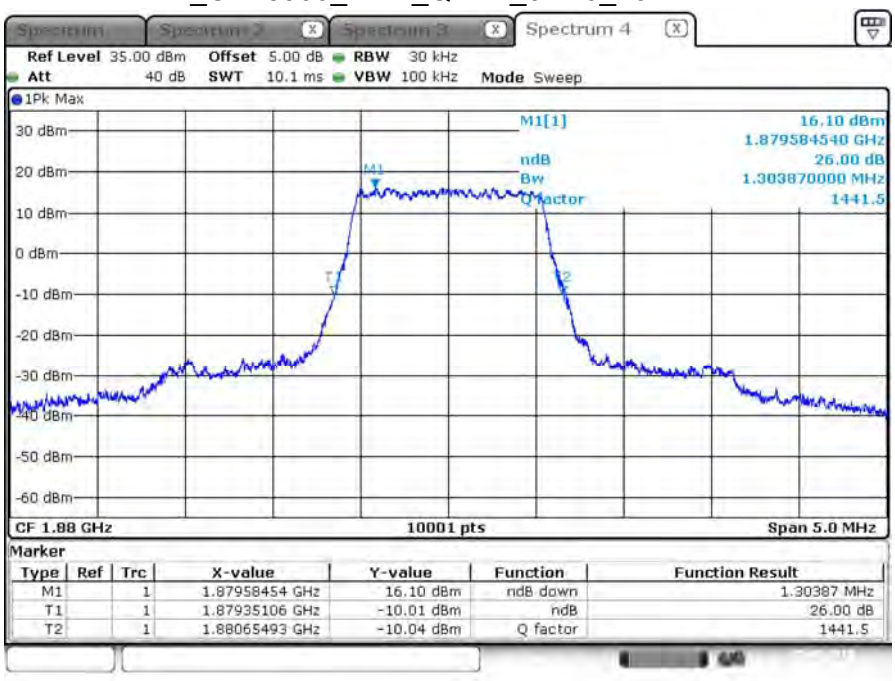

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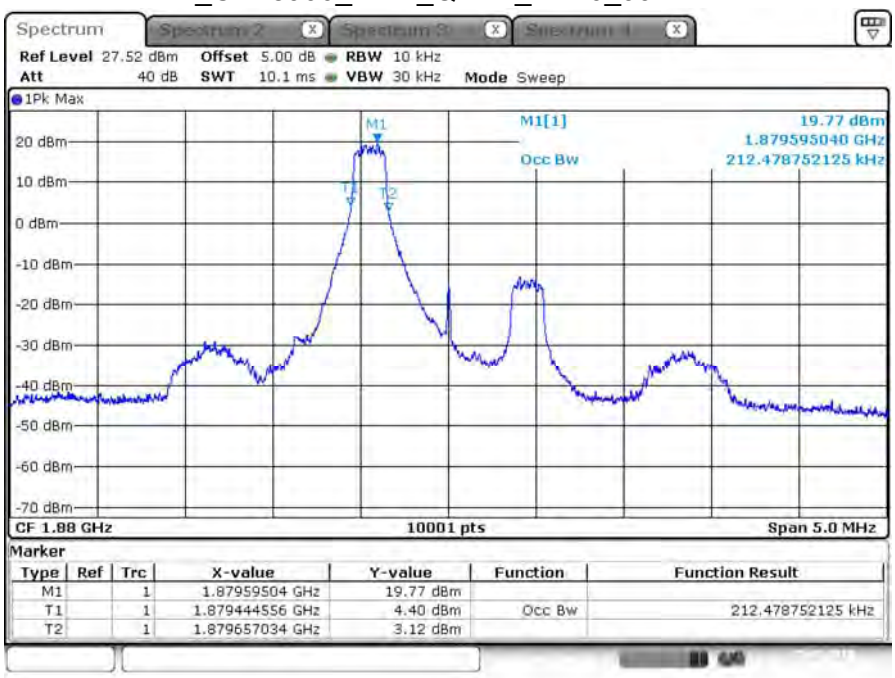

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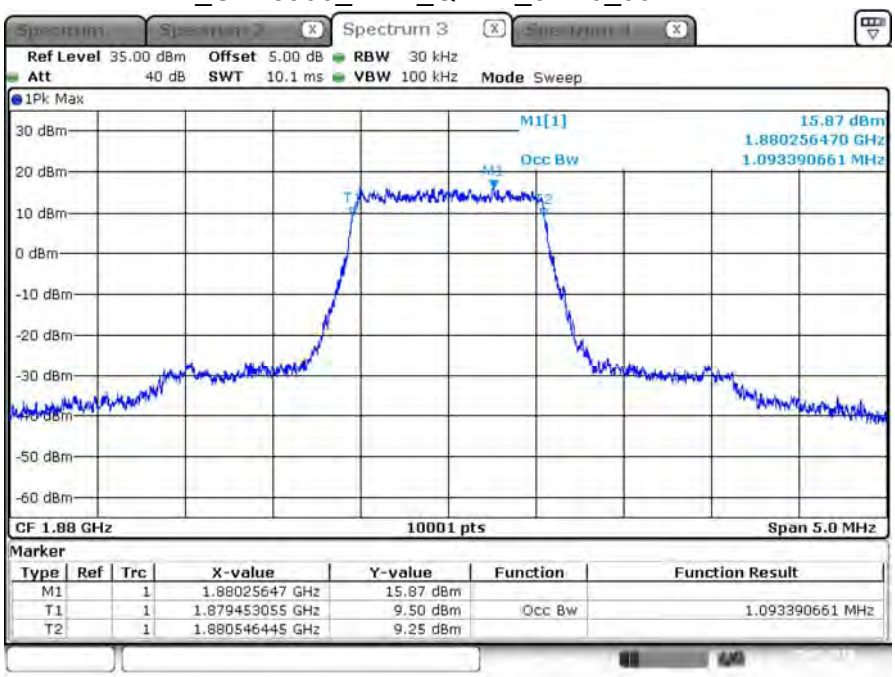

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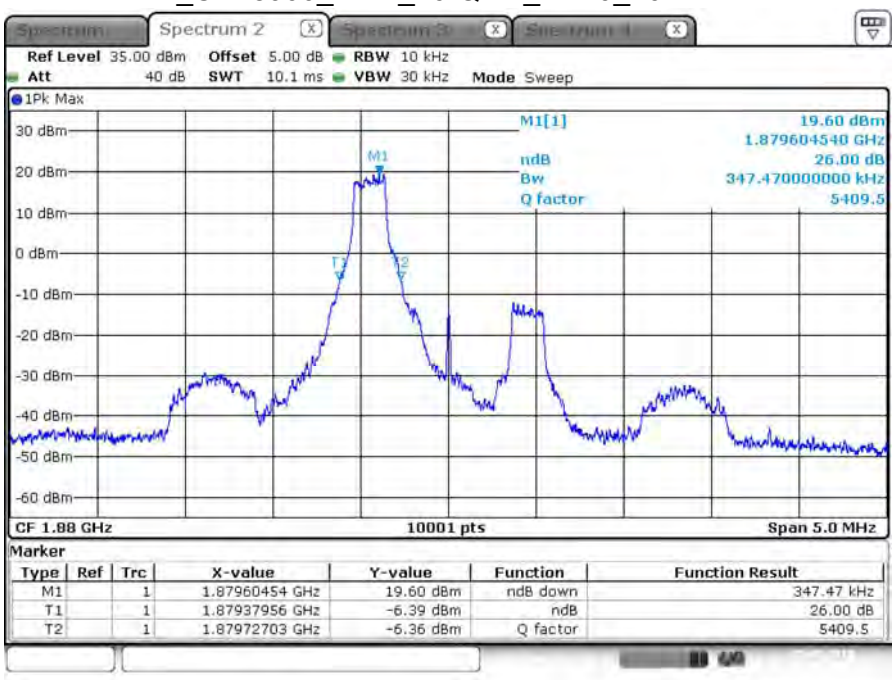

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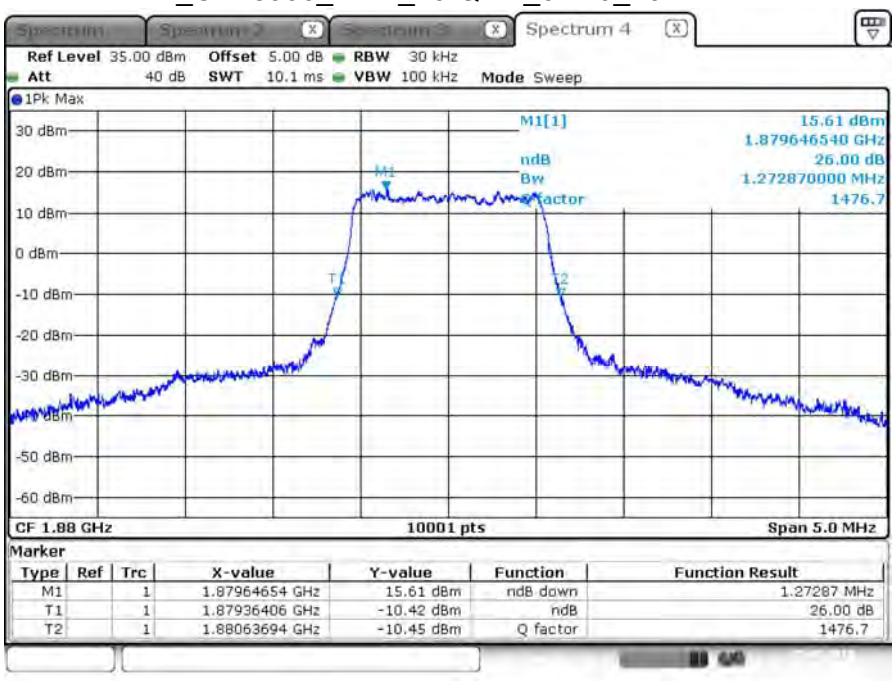

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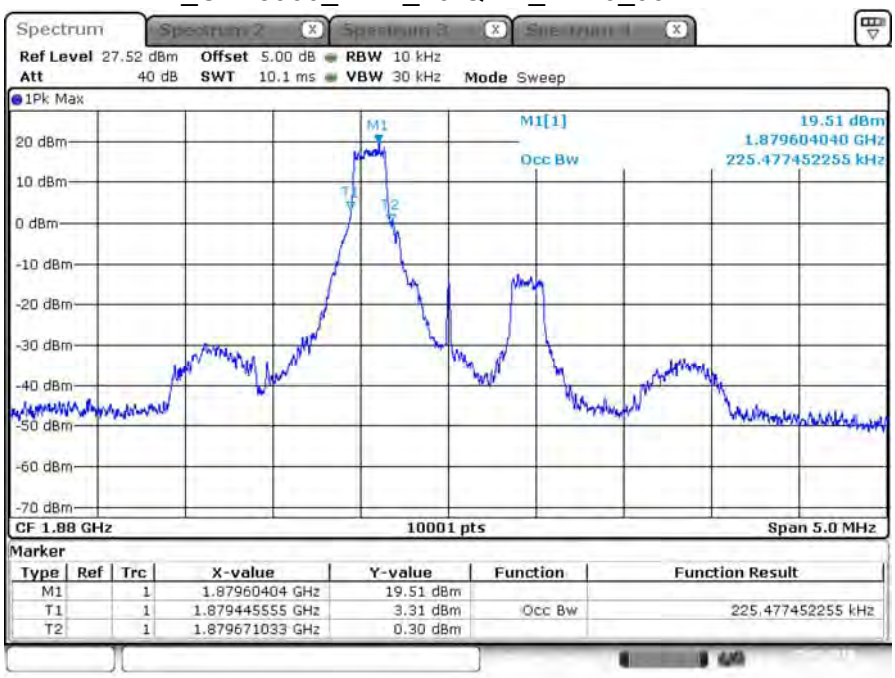

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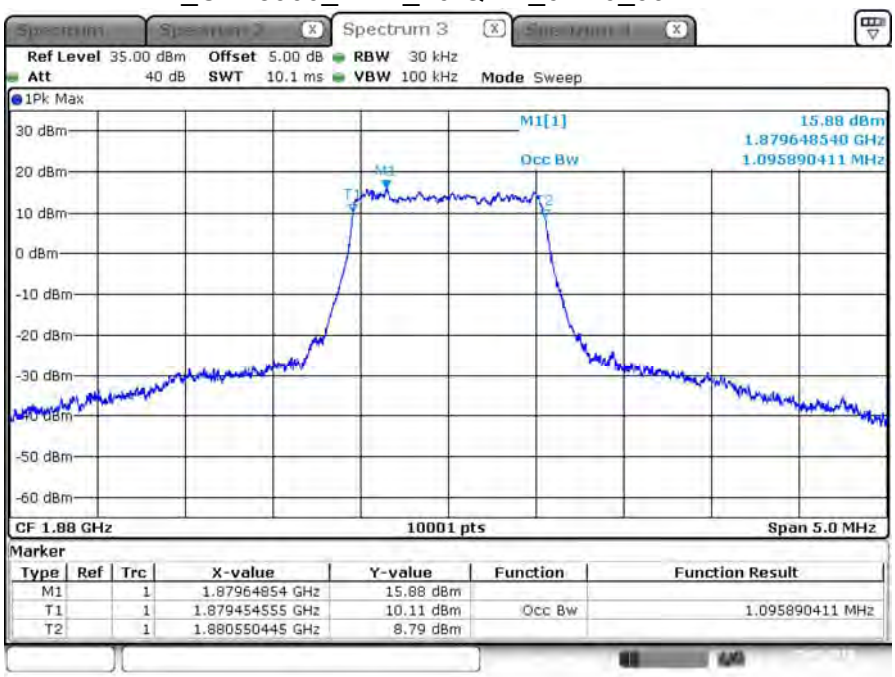

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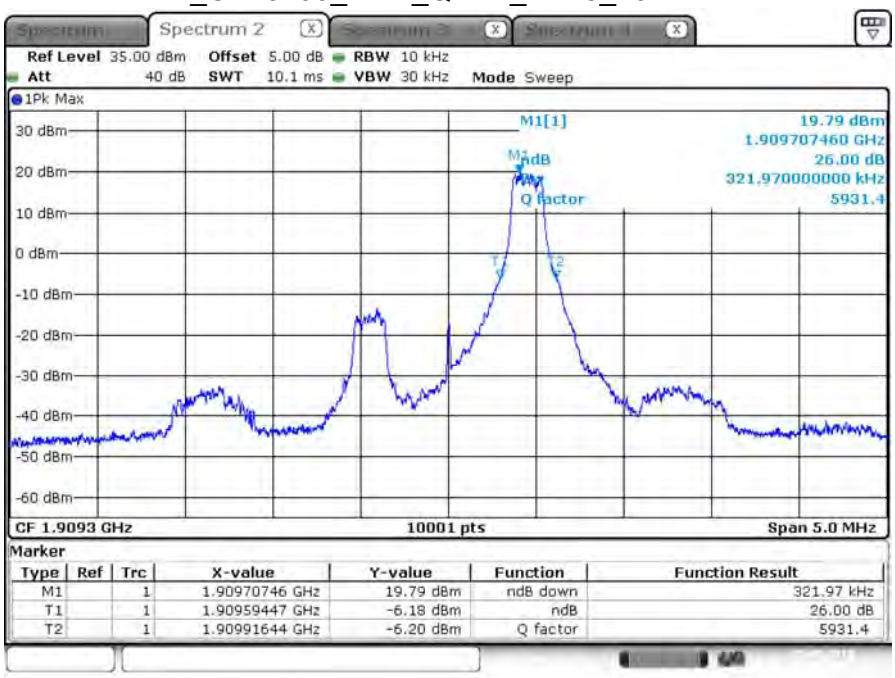

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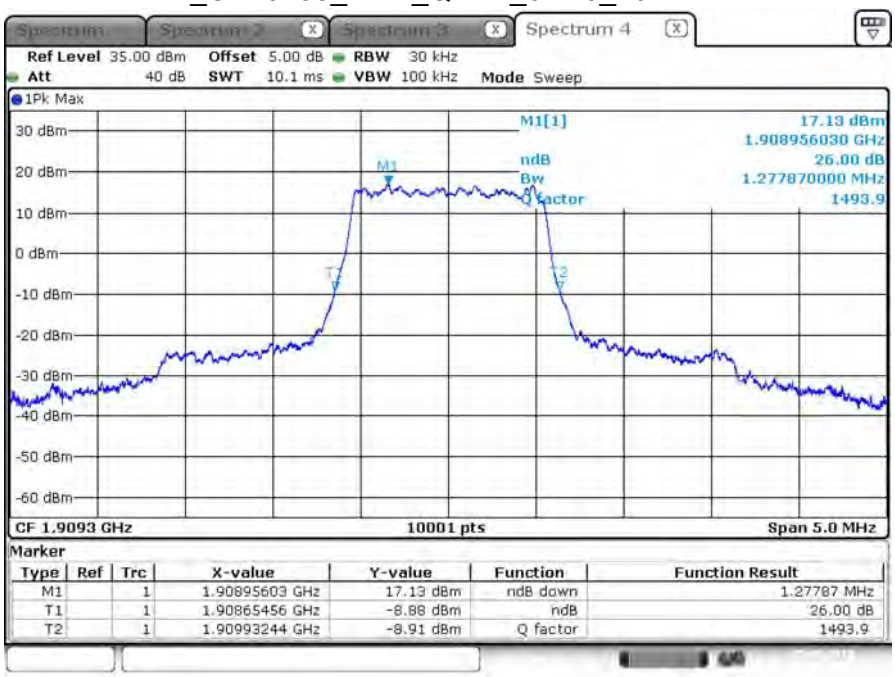

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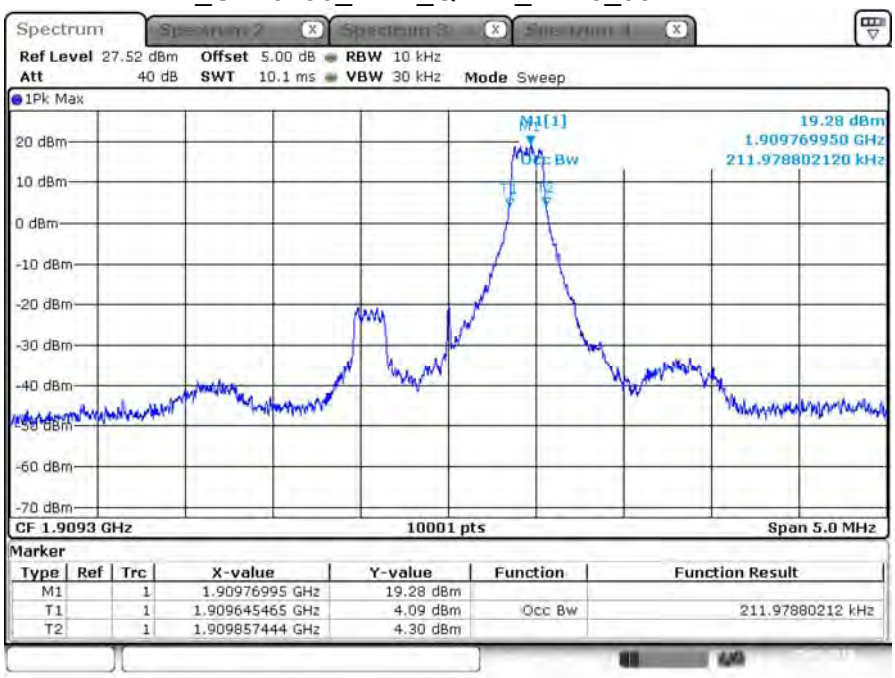

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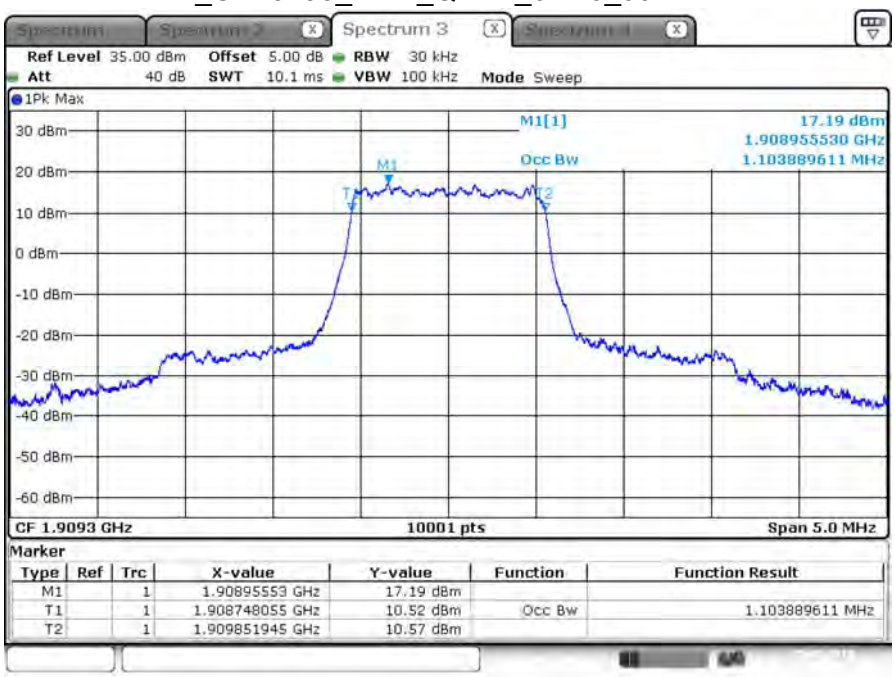

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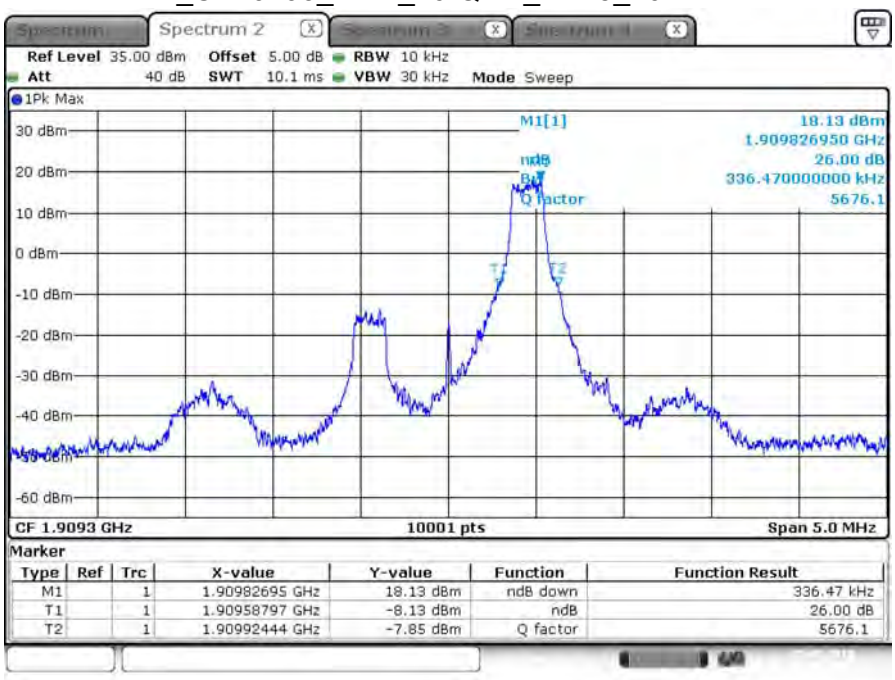

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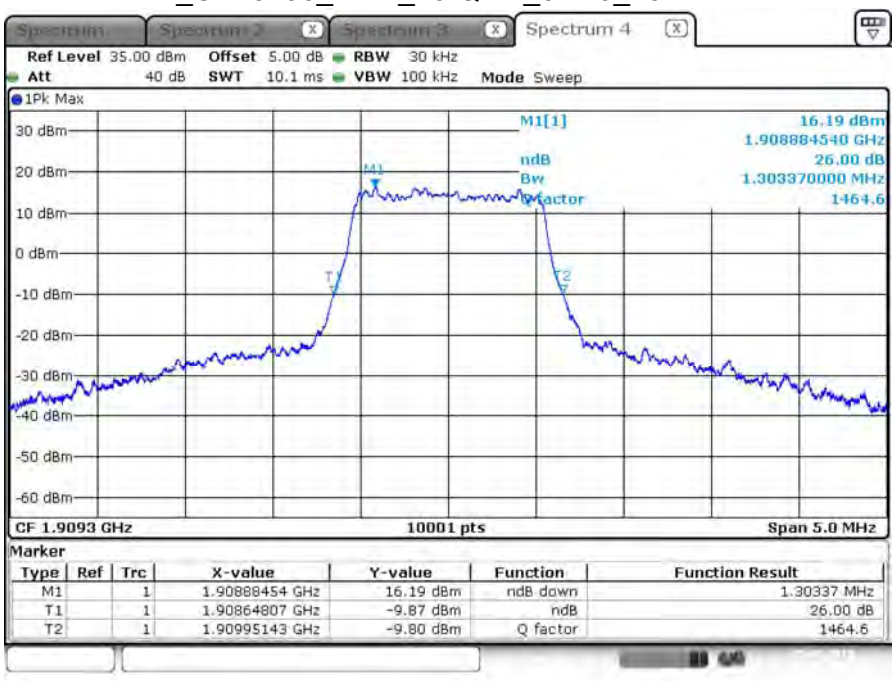

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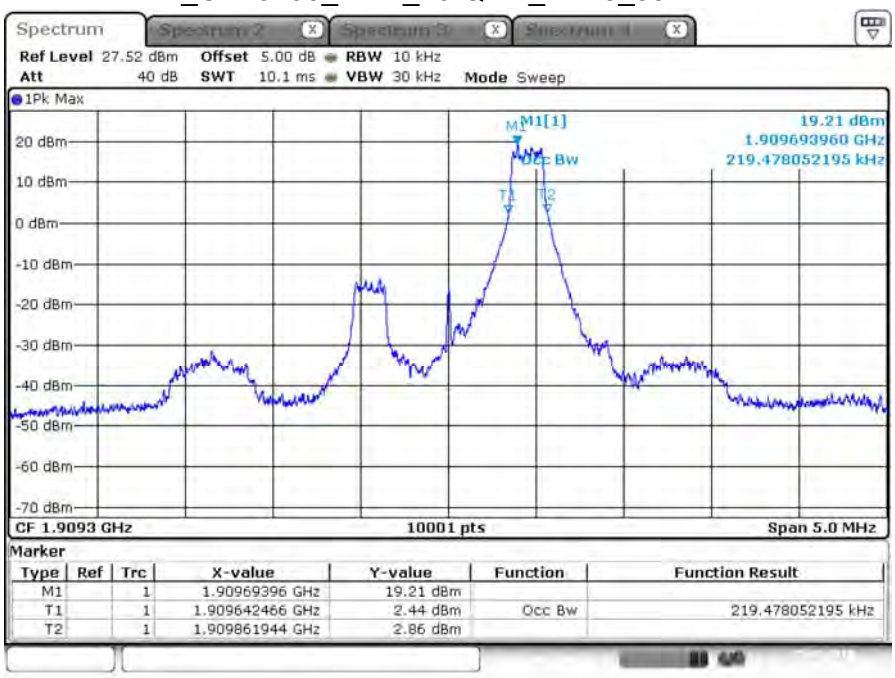

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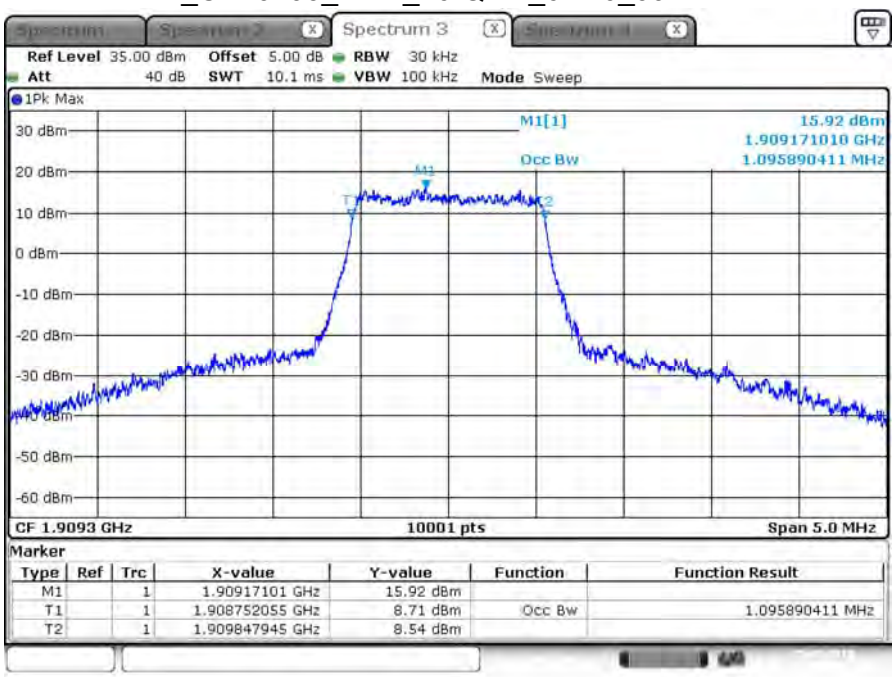

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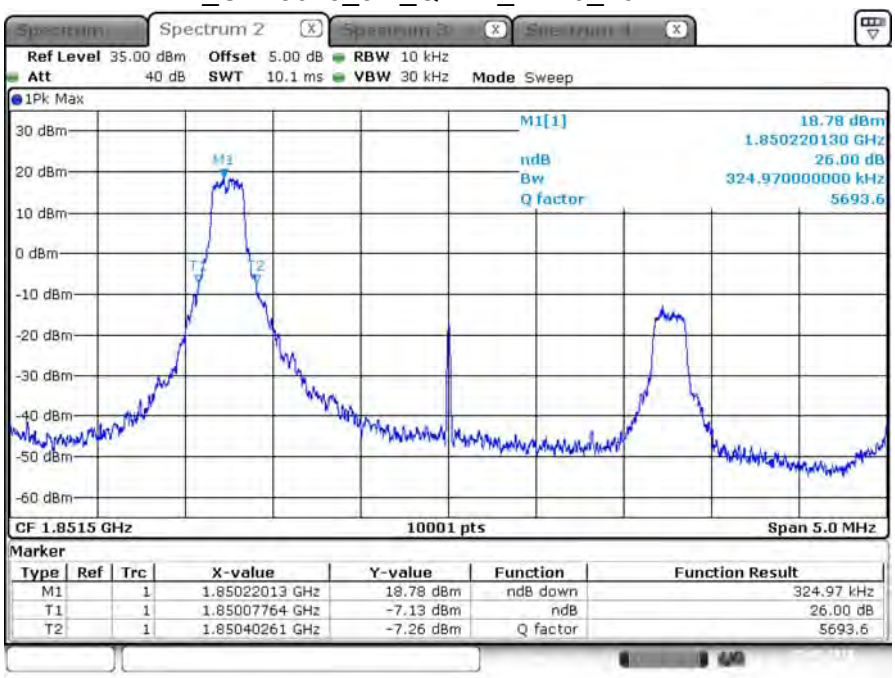

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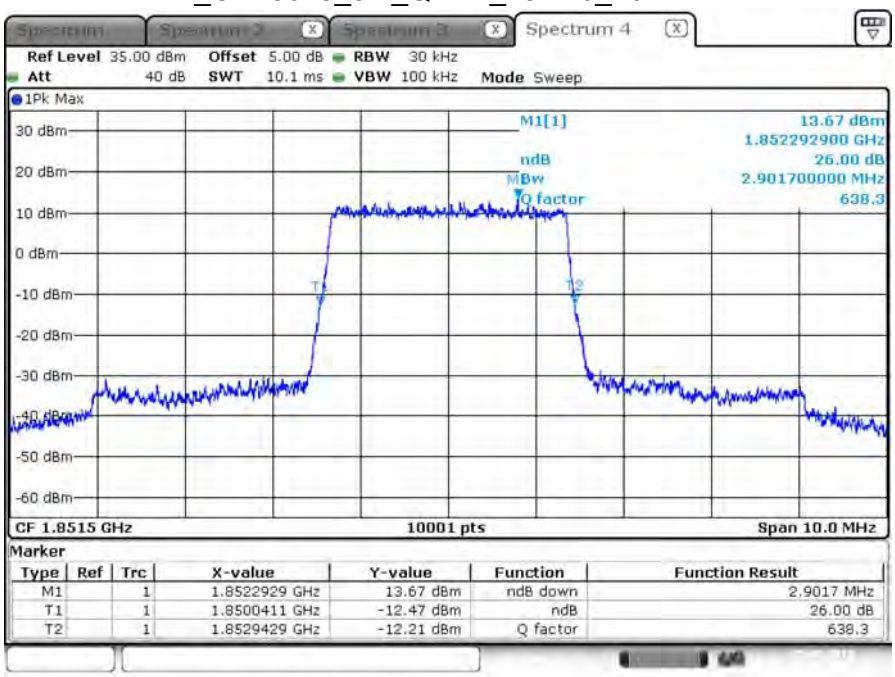

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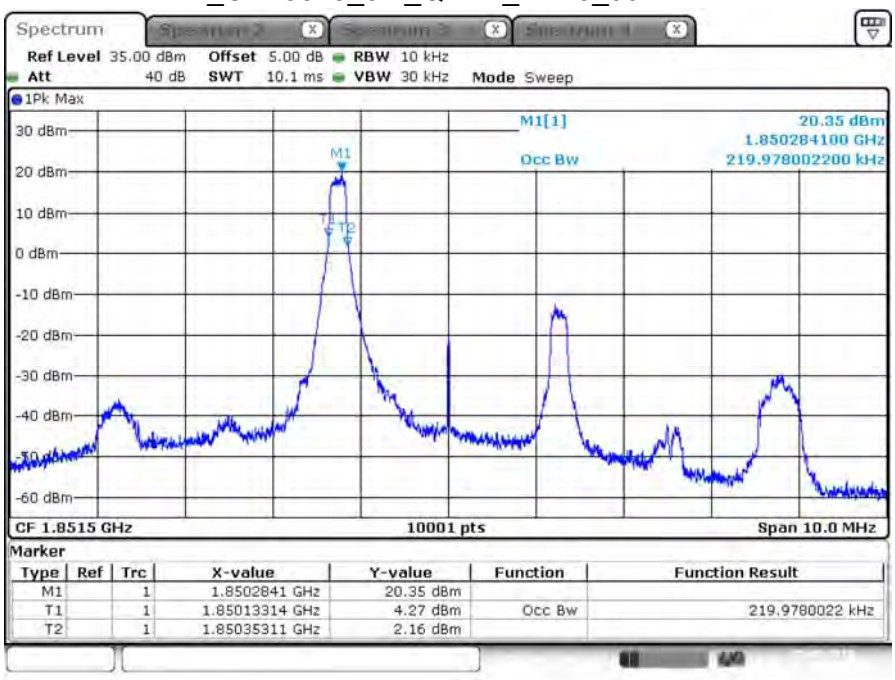

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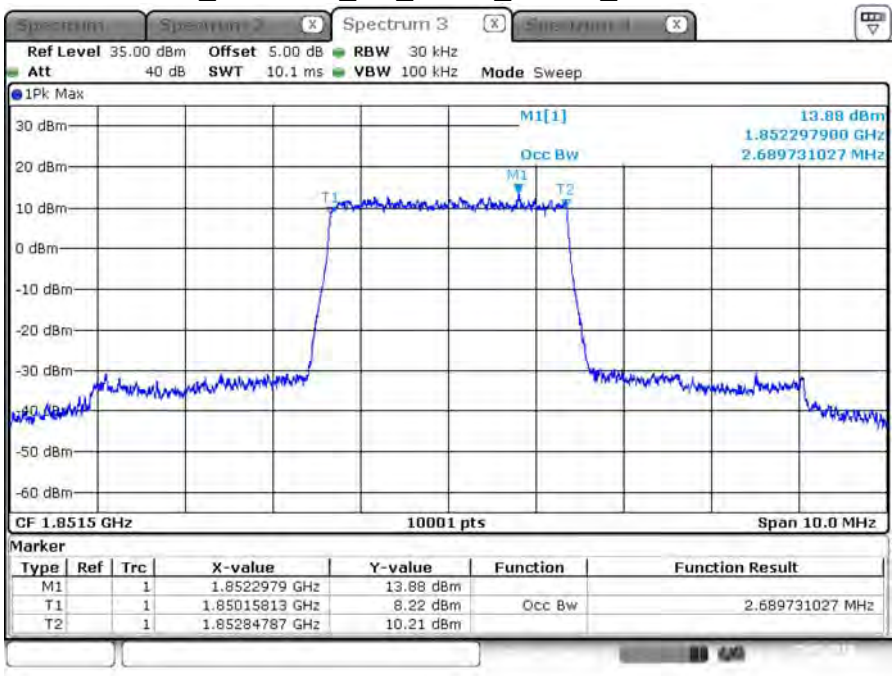

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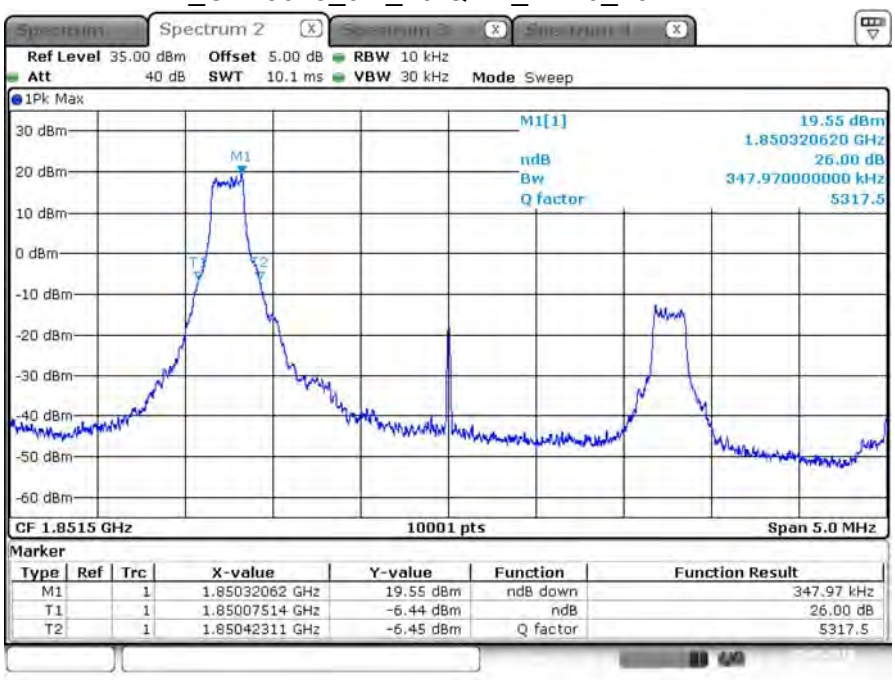

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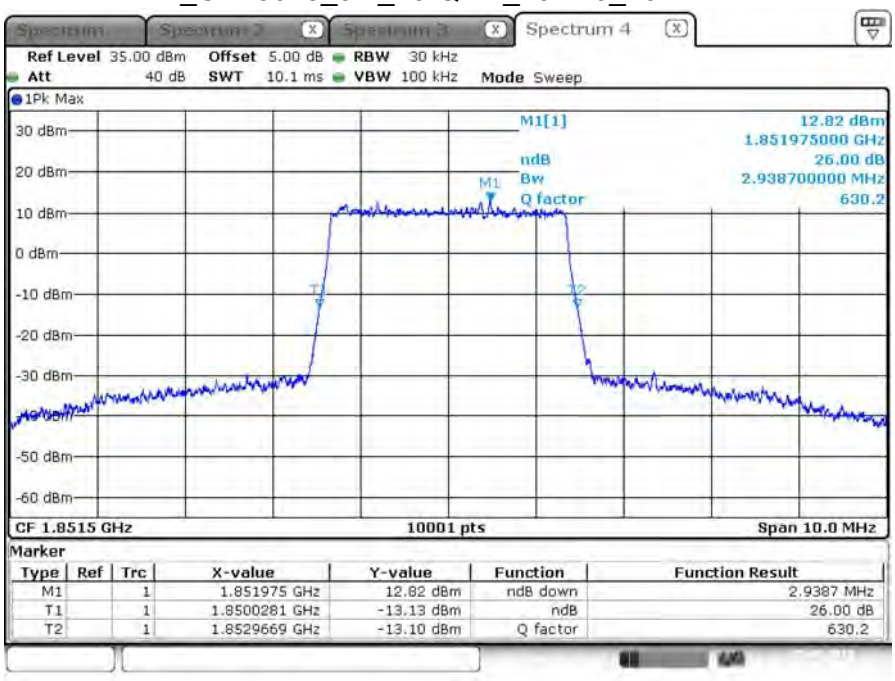

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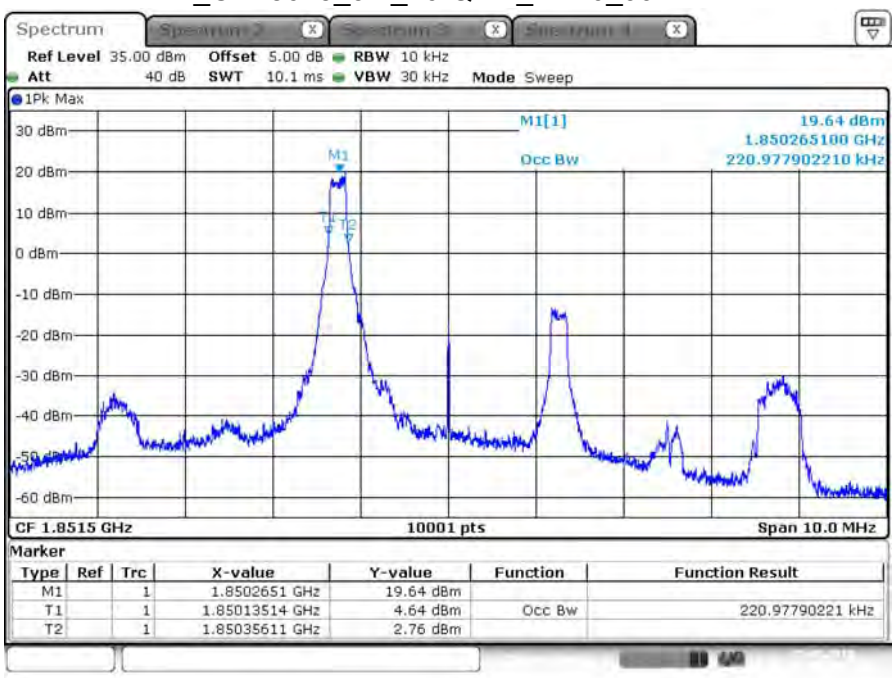

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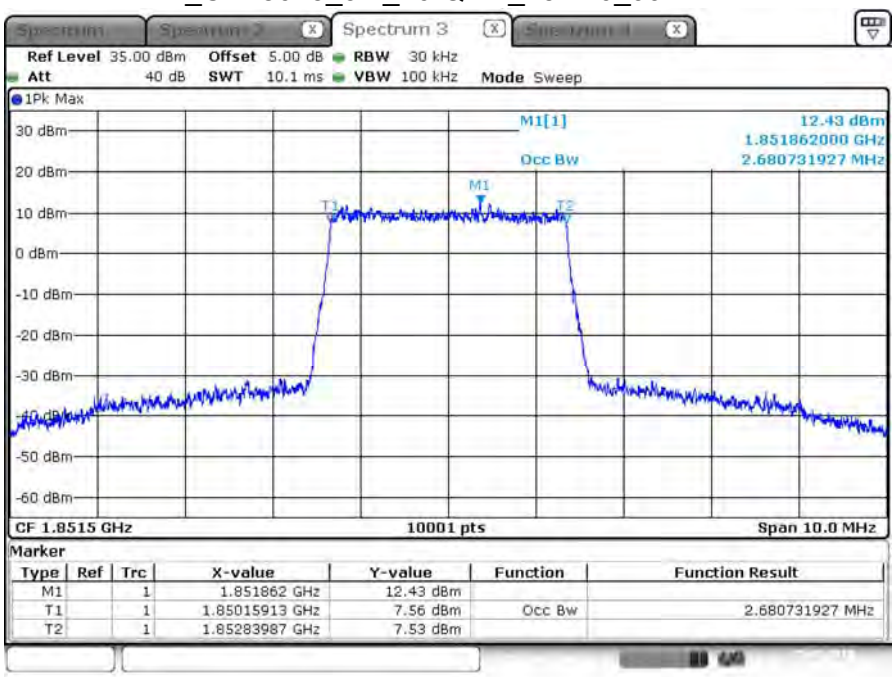

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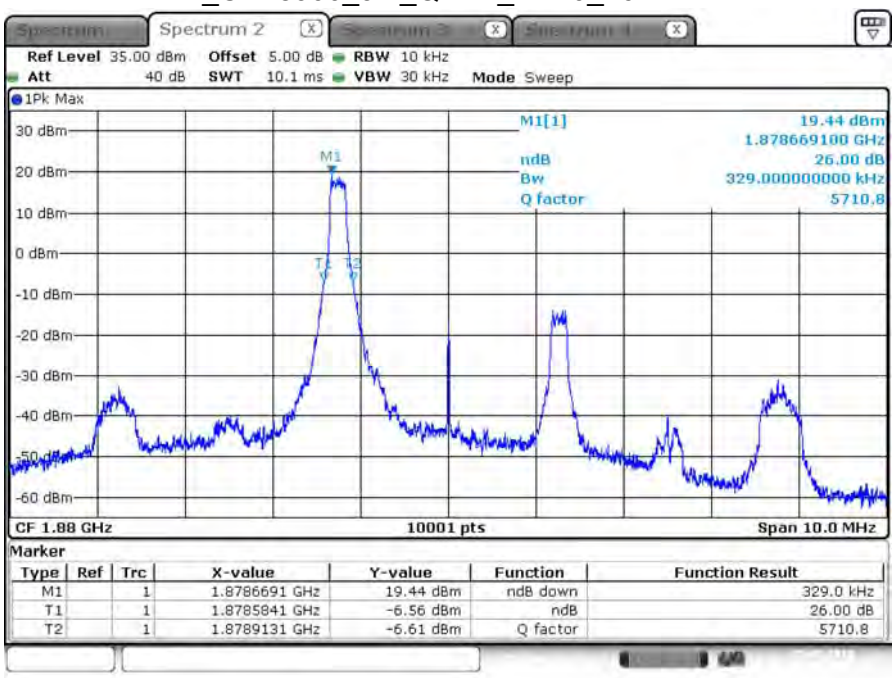

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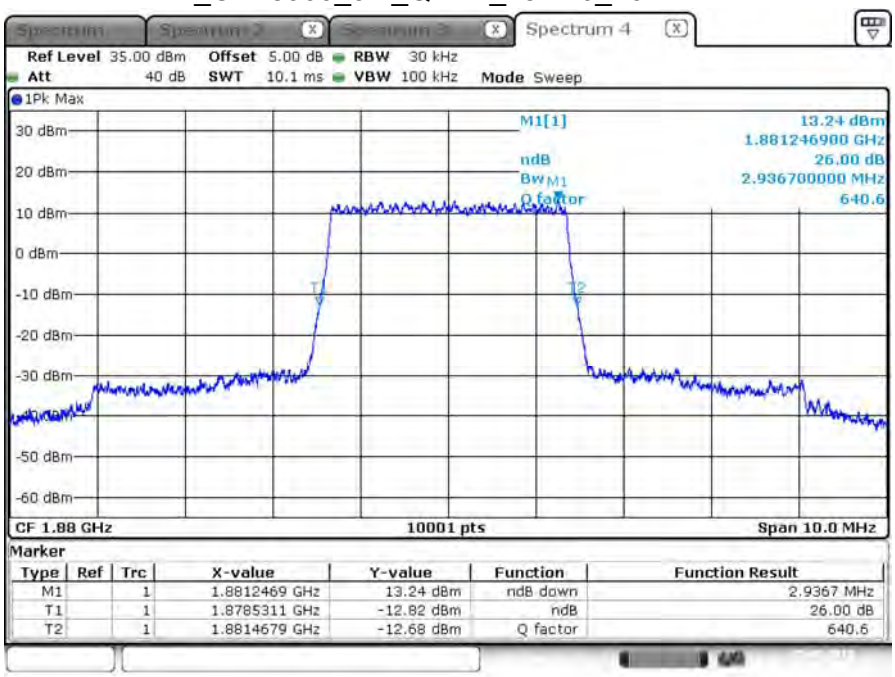

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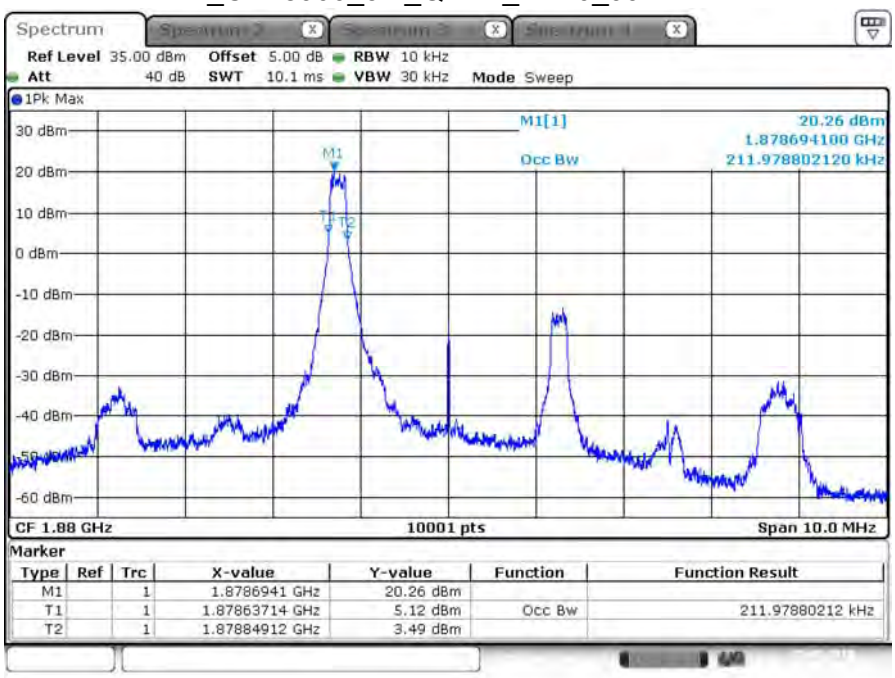
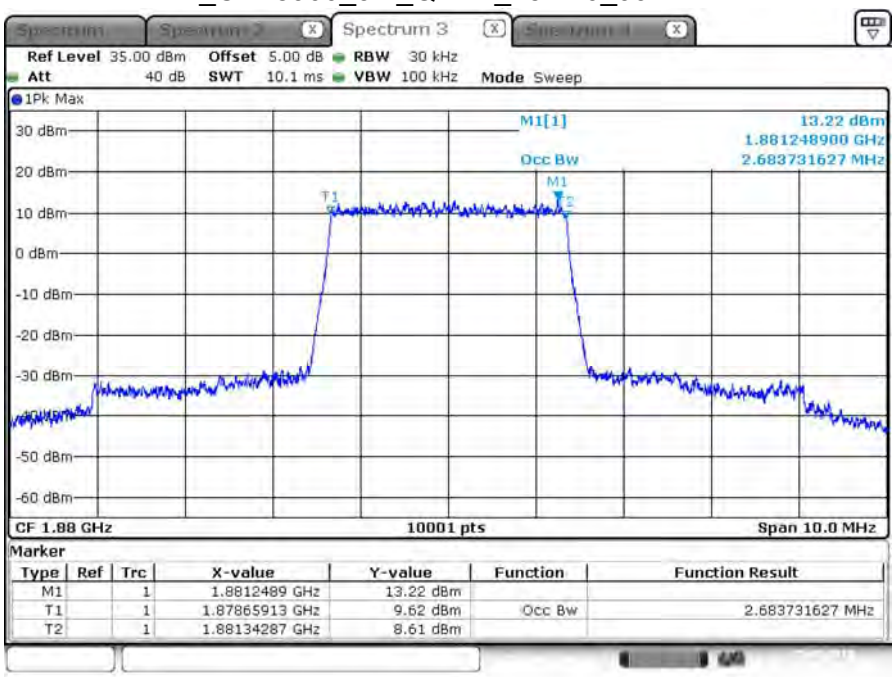


Date: 5.AUG.2019 15:22:29

B2_CH18900_3M_QPSK_15RB0_99% BW



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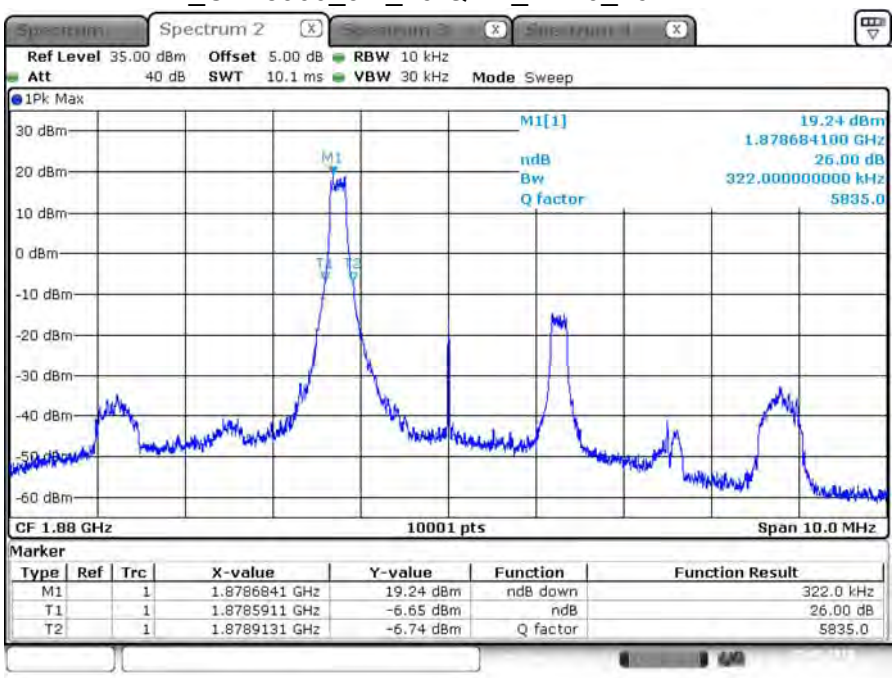
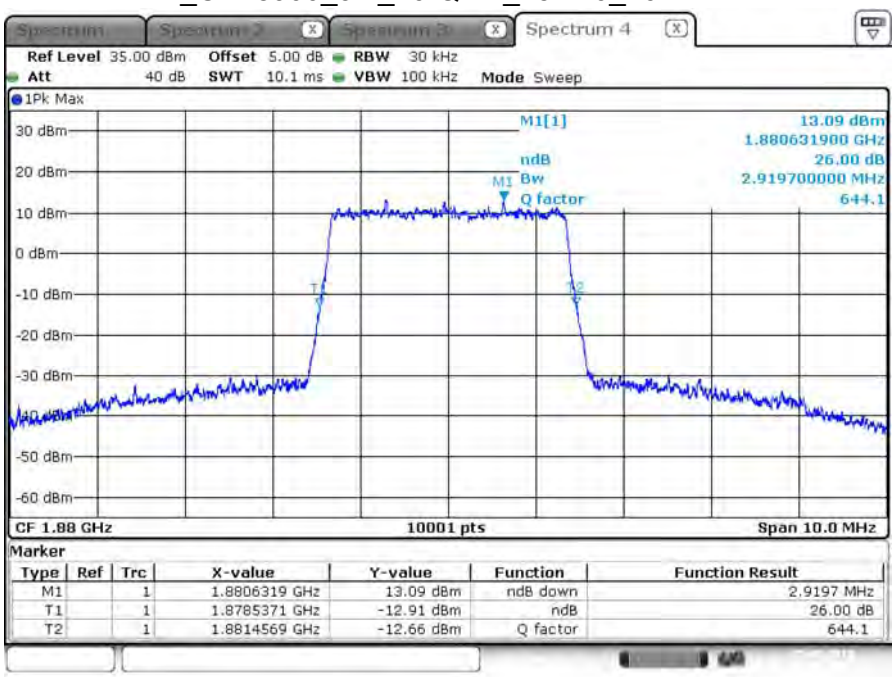
B2_CH18900_3M_16-QAM_1RB0_26dB BW



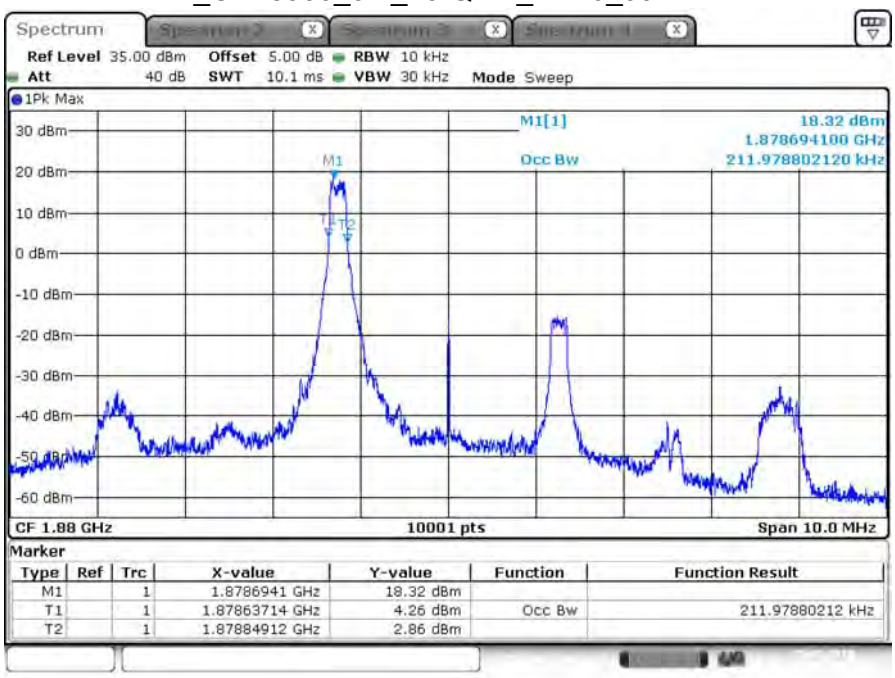
Date: 5.AUG.2019 15:23:37

B2_CH18900_3M_16-QAM_15RB0_26dB BW



Date: 5.AUG.2019 15:26:09

B2_CH18900_3M_16-QAM_1RB0_99% BW



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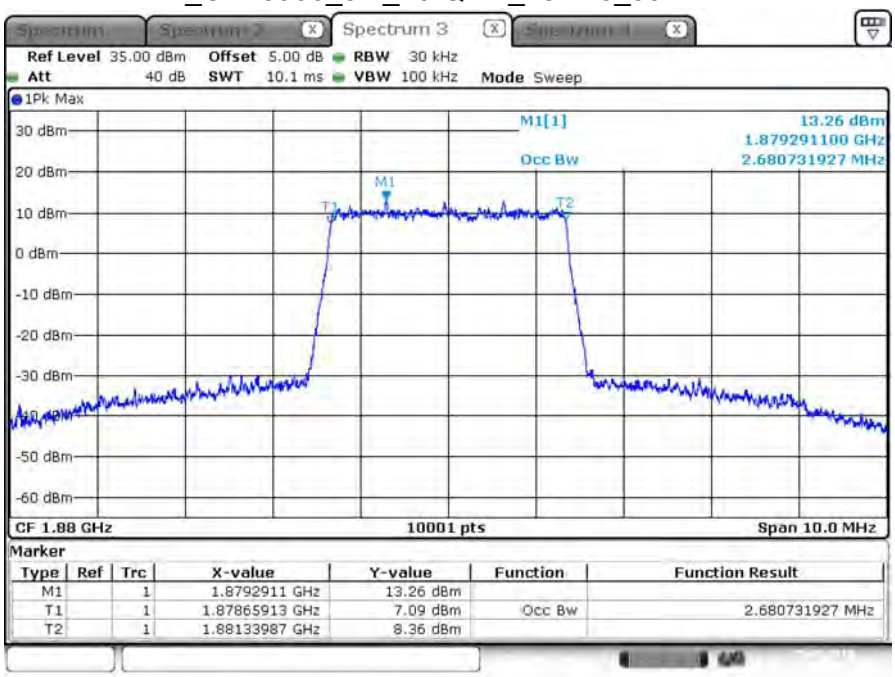

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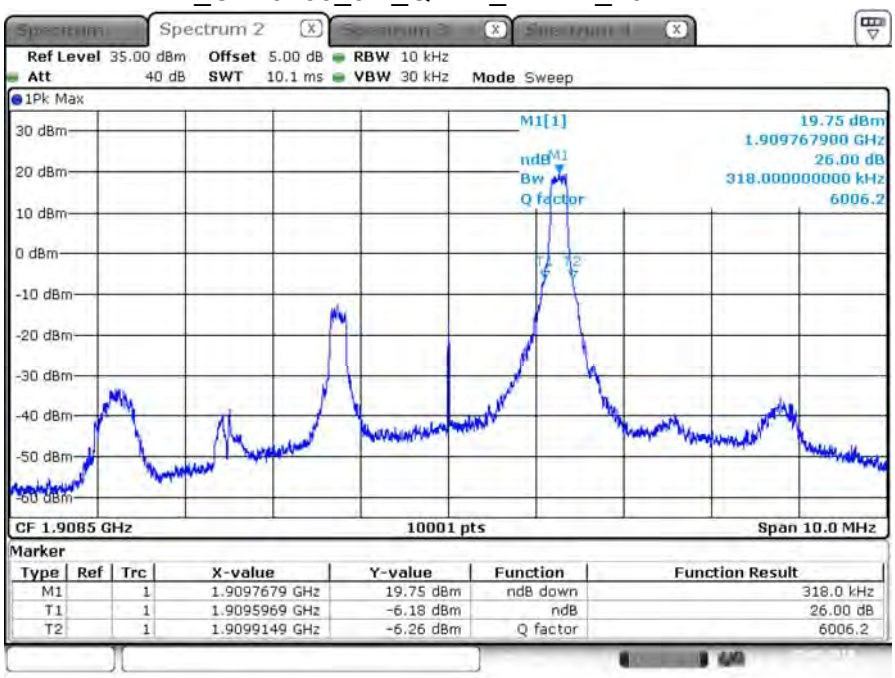
B2_CH19185_3M_QPSK_1RB14_26dB BW



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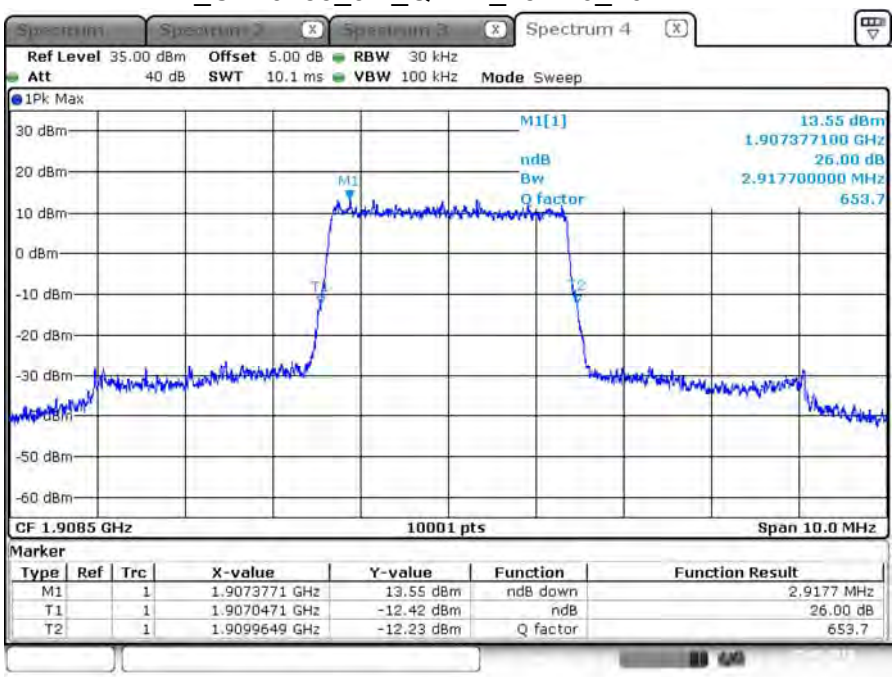

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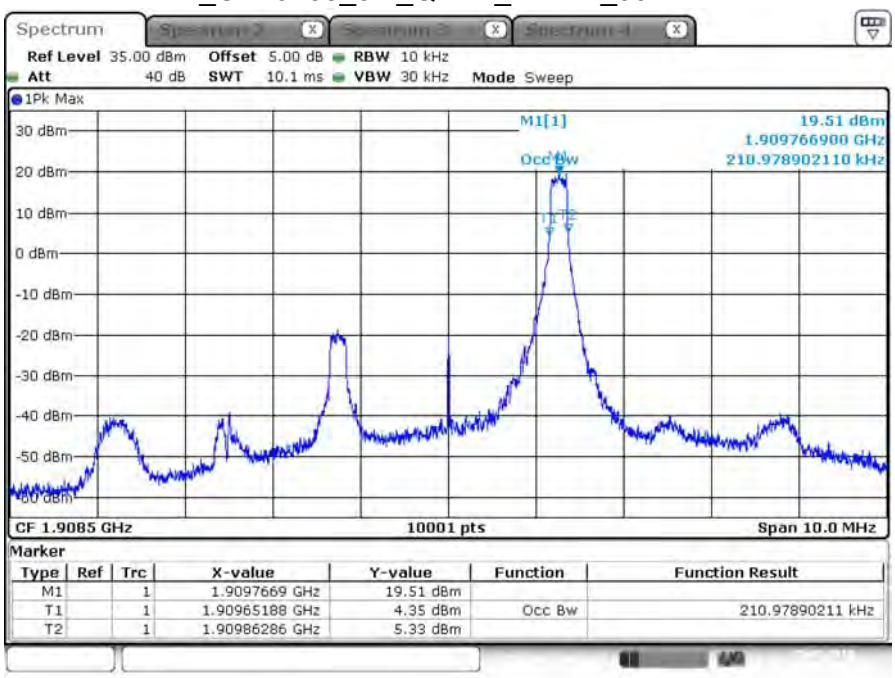

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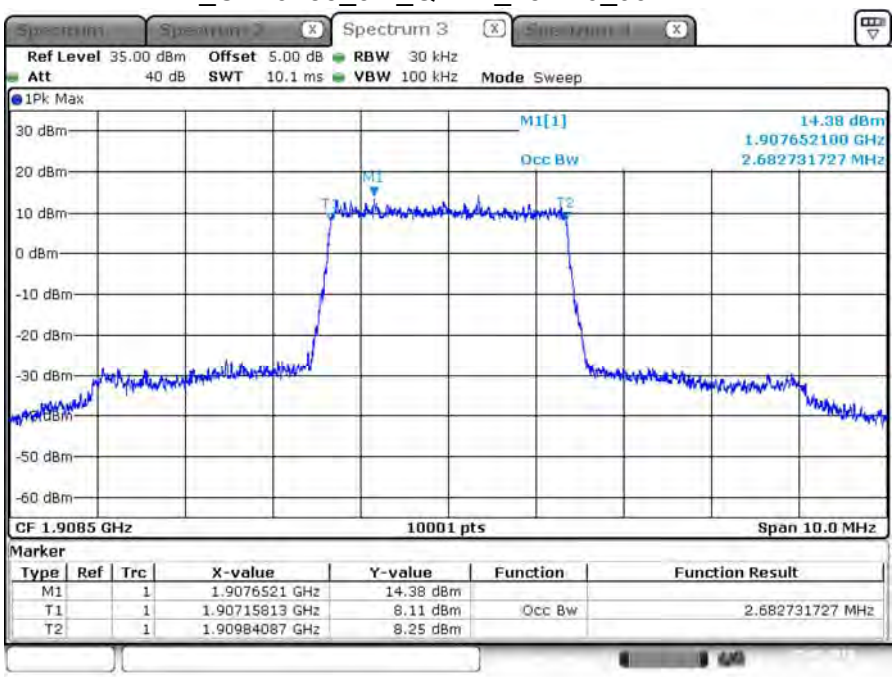

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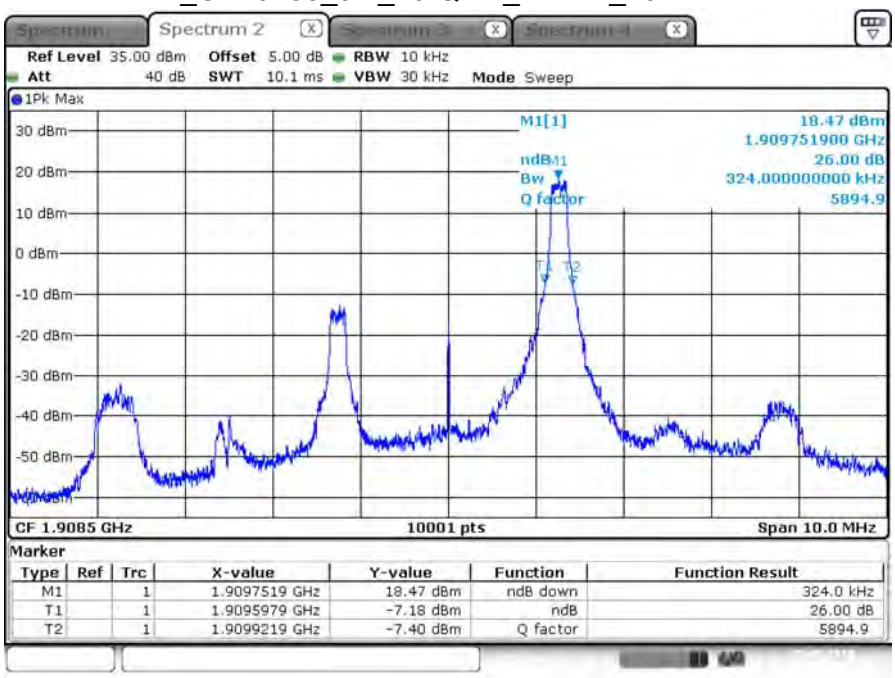

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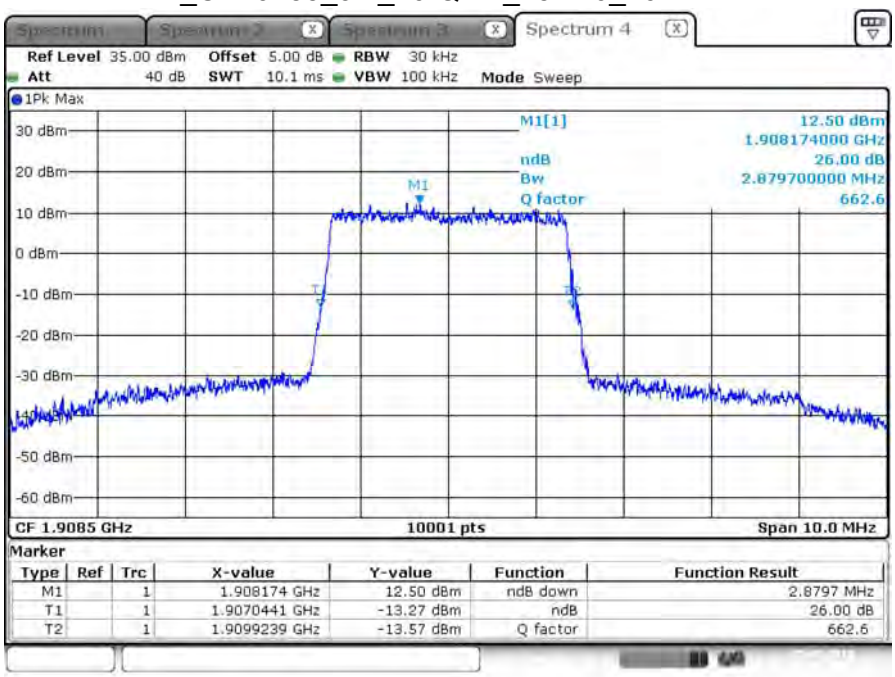
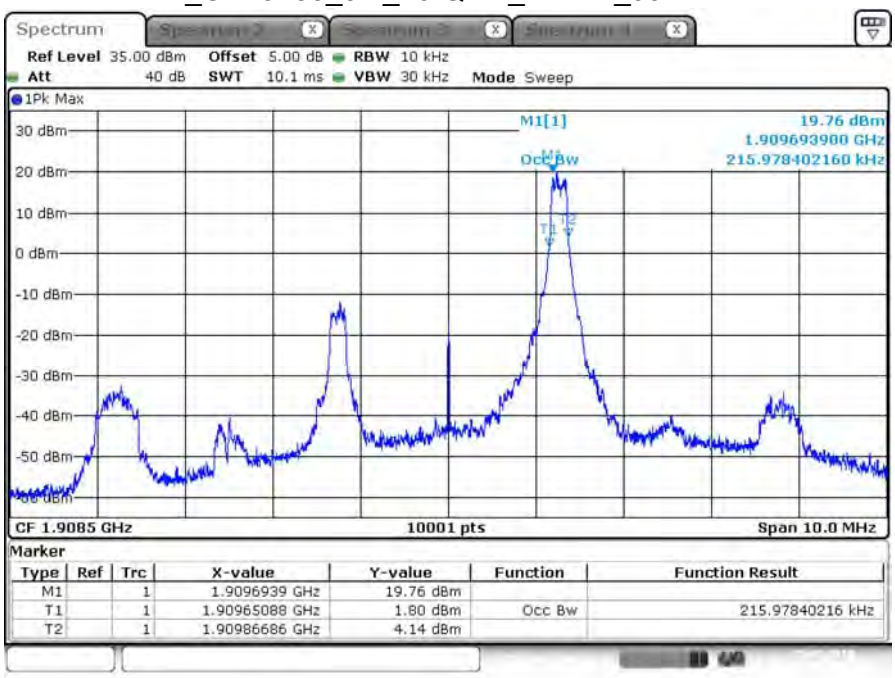


Date: 5.AUG.2019 15:35:42

B2_CH19185_3M_16-QAM_1RB14_99% BW



Date: 5.AUG.2019 15:33:30

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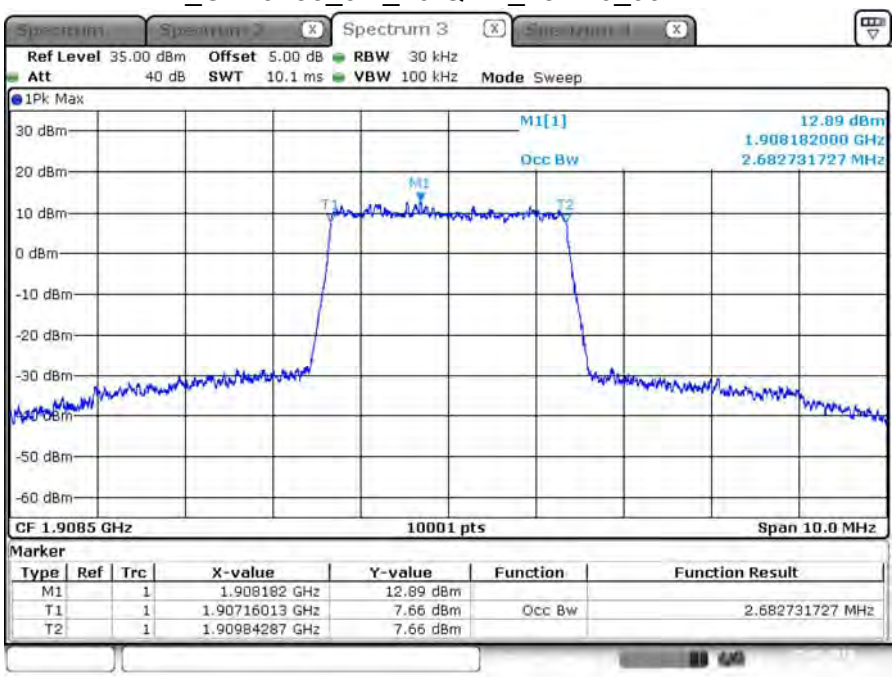

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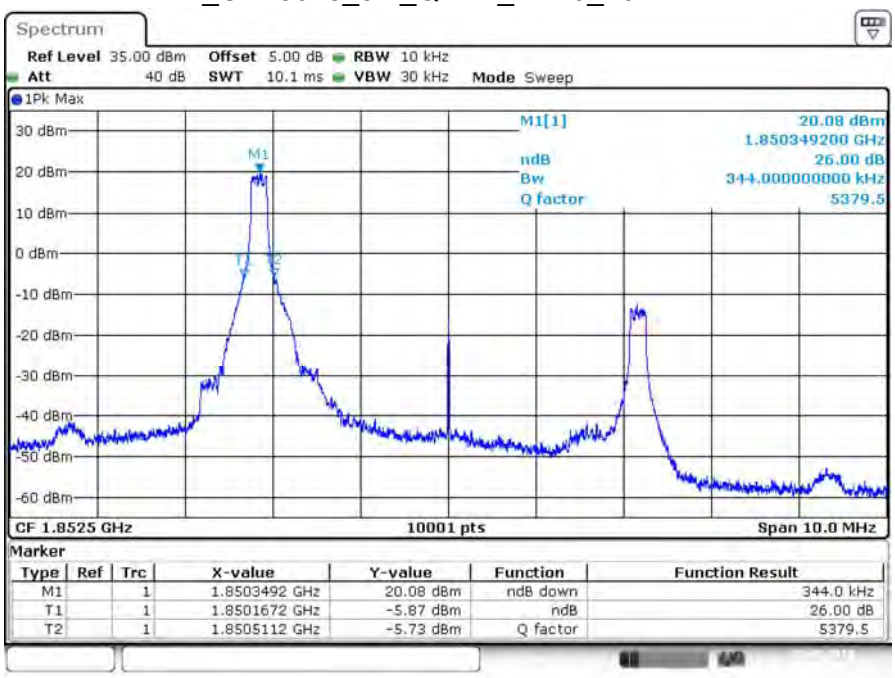
B2_CH18625_5M_QPSK_1RB0_26dB BW



Date: 6.AUG.2019 07:43:14

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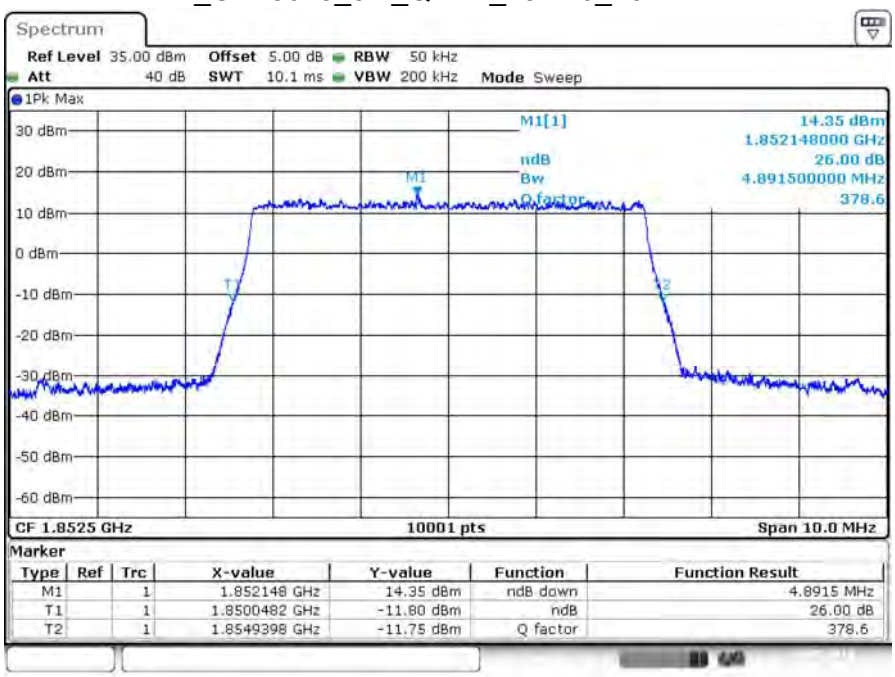

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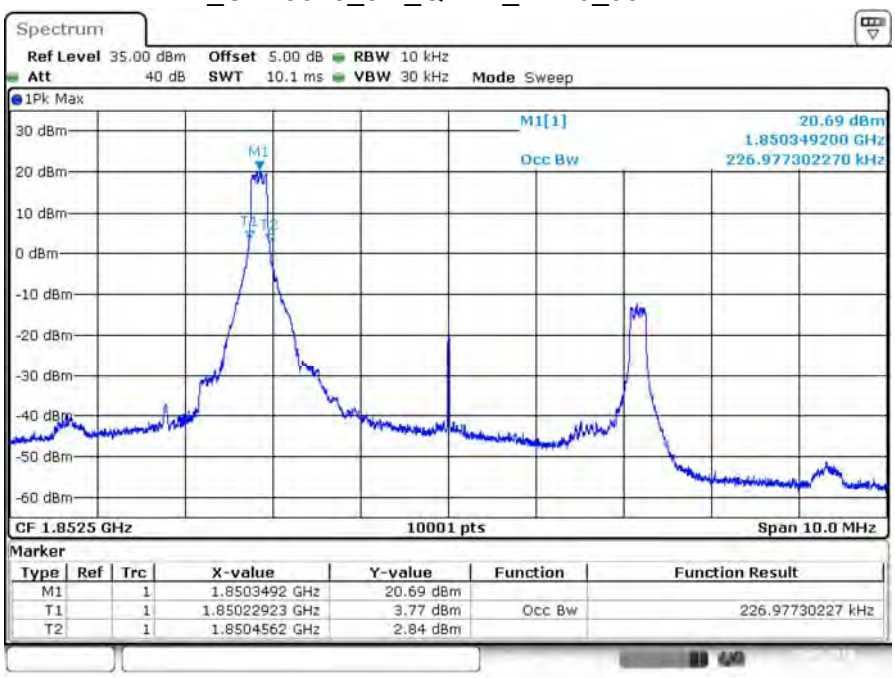

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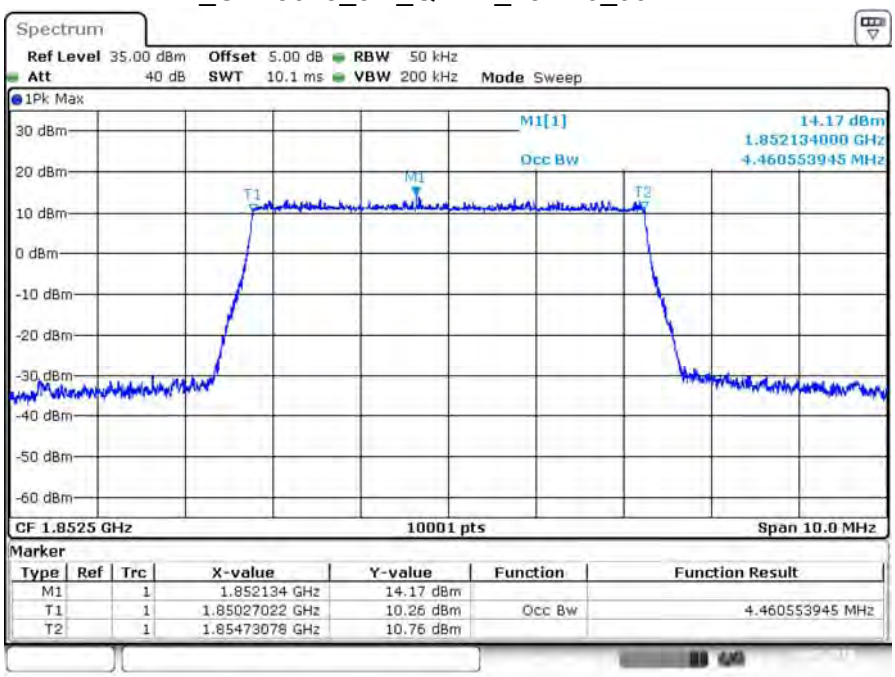
B2_CH18625_5M_QPSK_25RB0_99% BW



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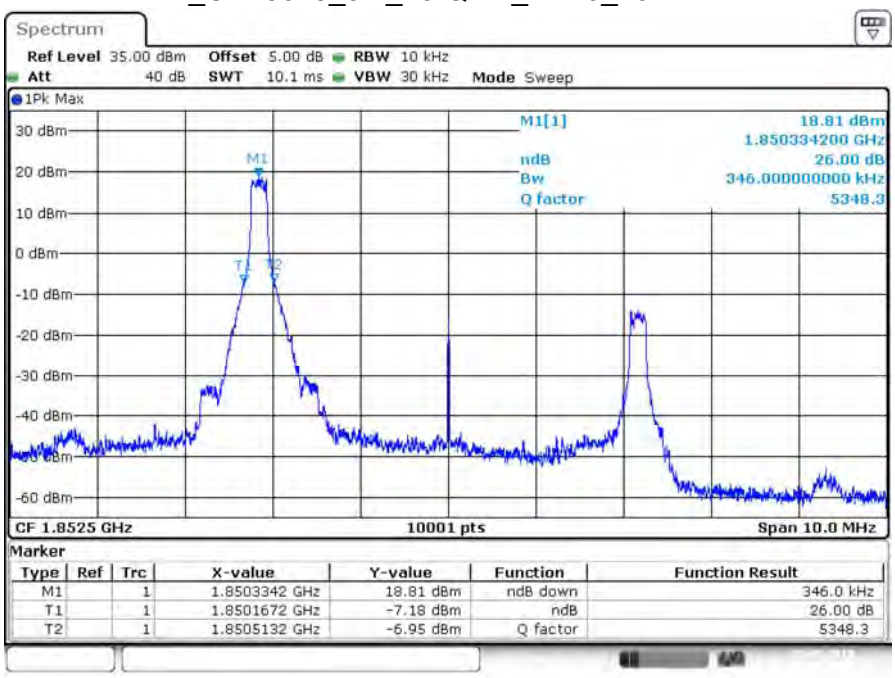

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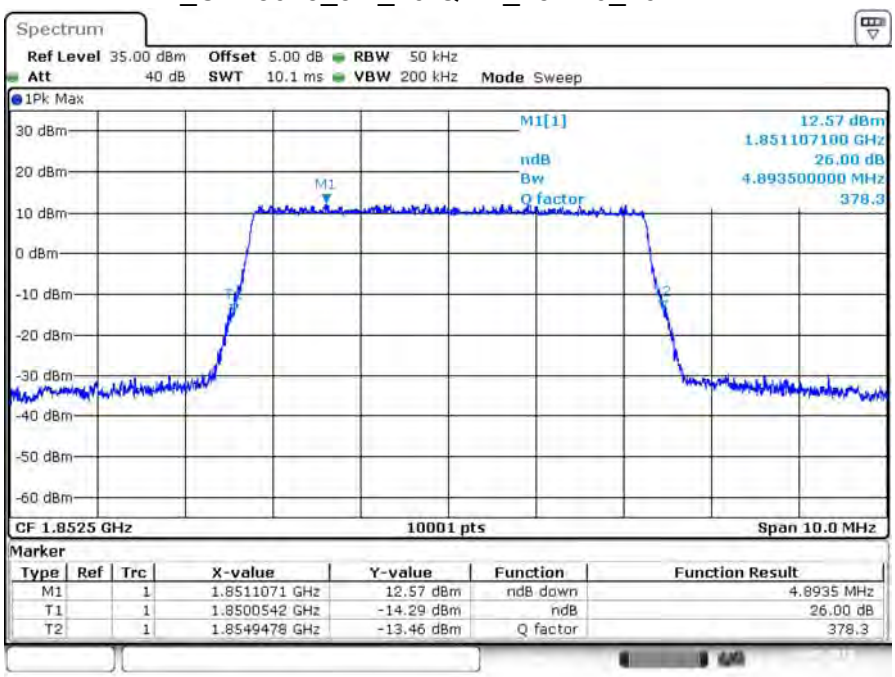

Date: 6.AUG.2019 08:18:08

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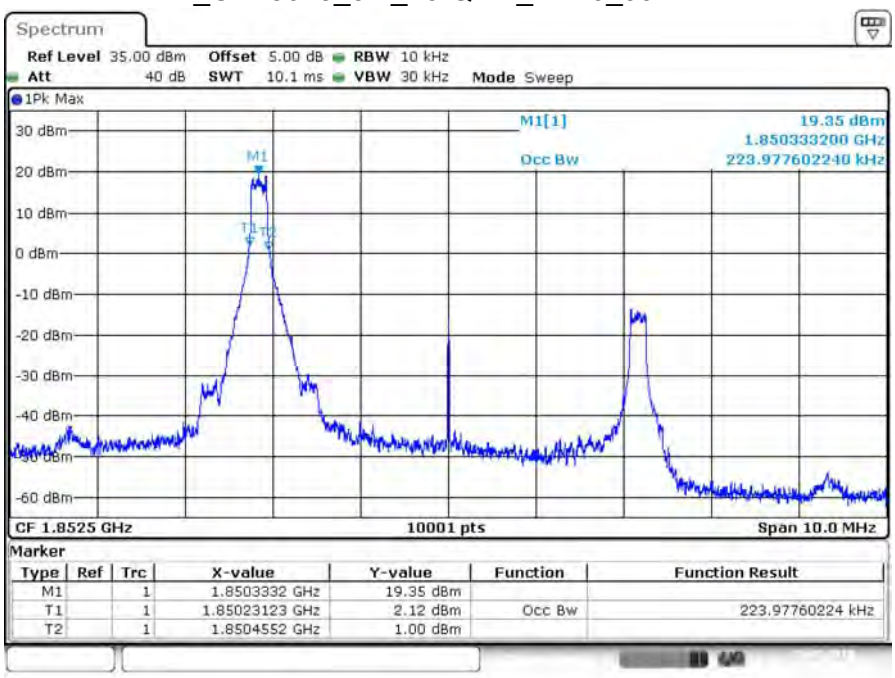

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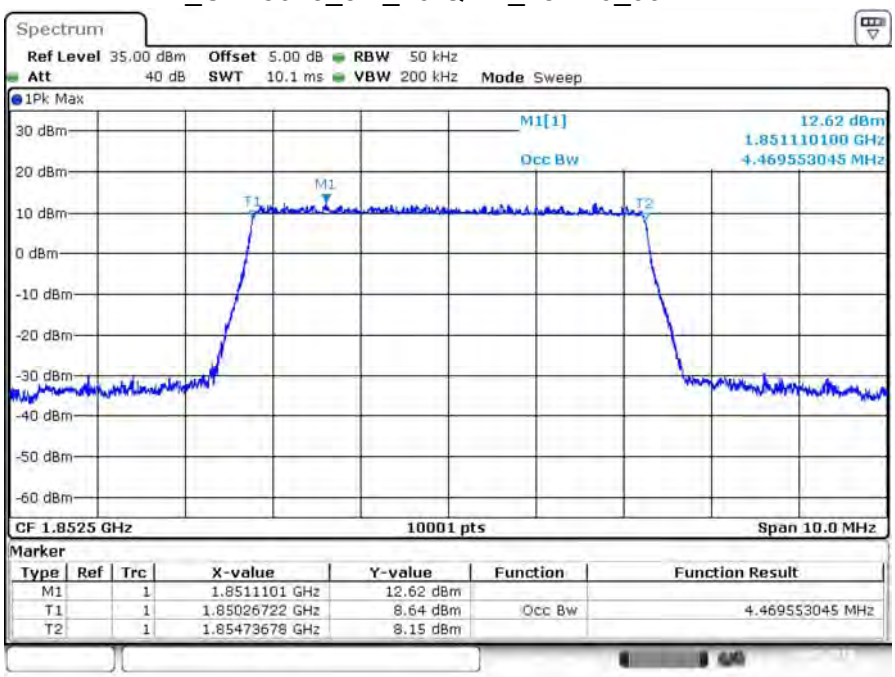

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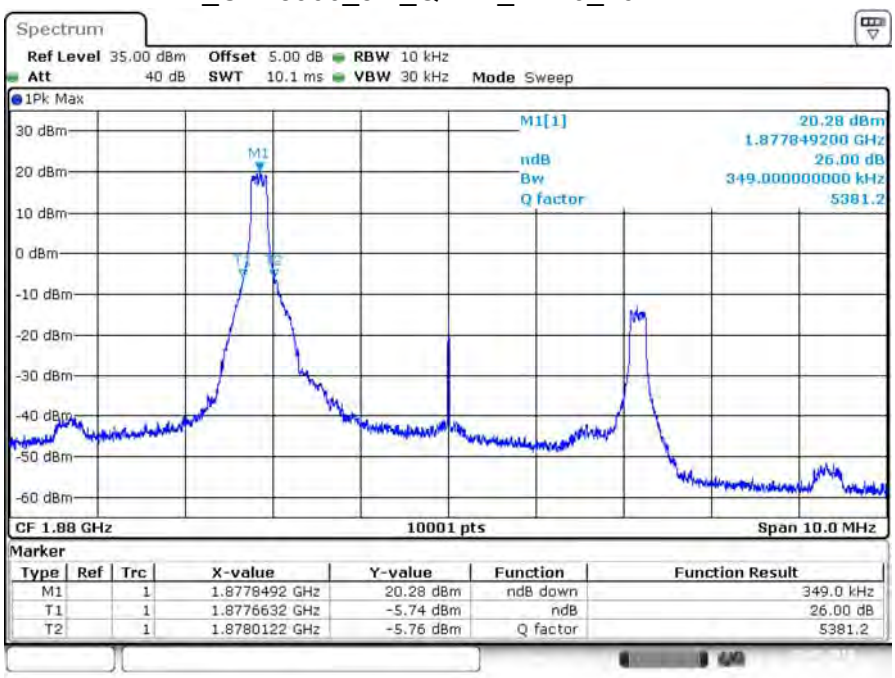
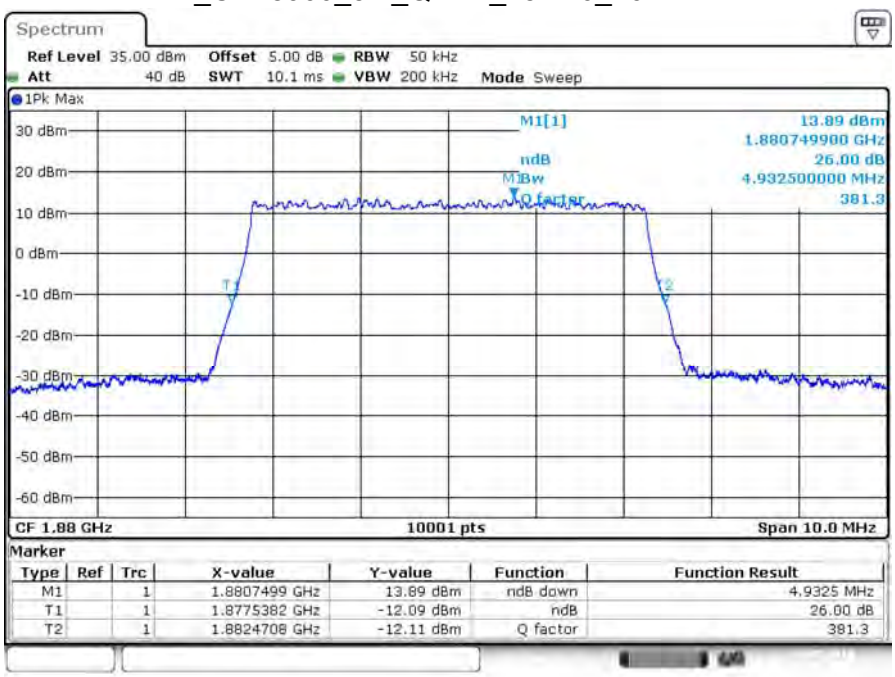
B2_CH18900_5M_QPSK_1RB0_26dB BW



Date: 6.AUG.2019 09:20:13

B2_CH18900_5M_QPSK_25RB0_26dB BW



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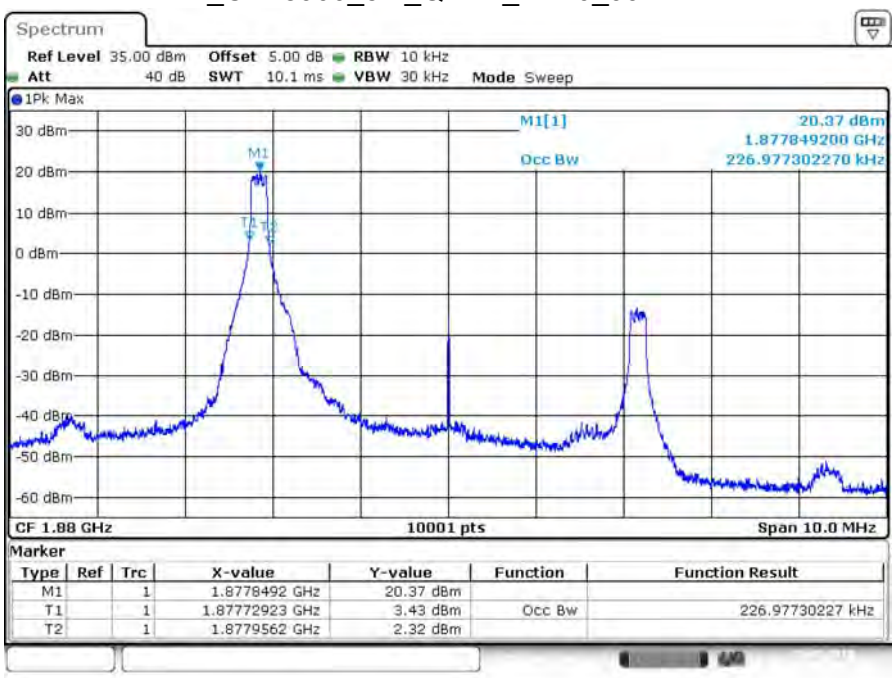
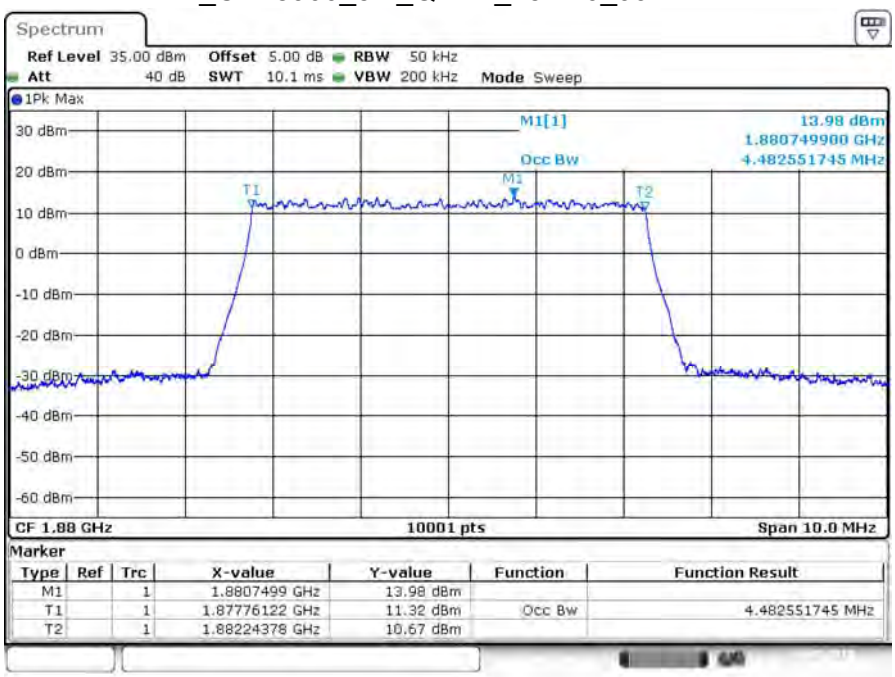


Date: 6.AUG.2019 09:22:42

B2_CH18900_5M_QPSK_25RB0_99% BW



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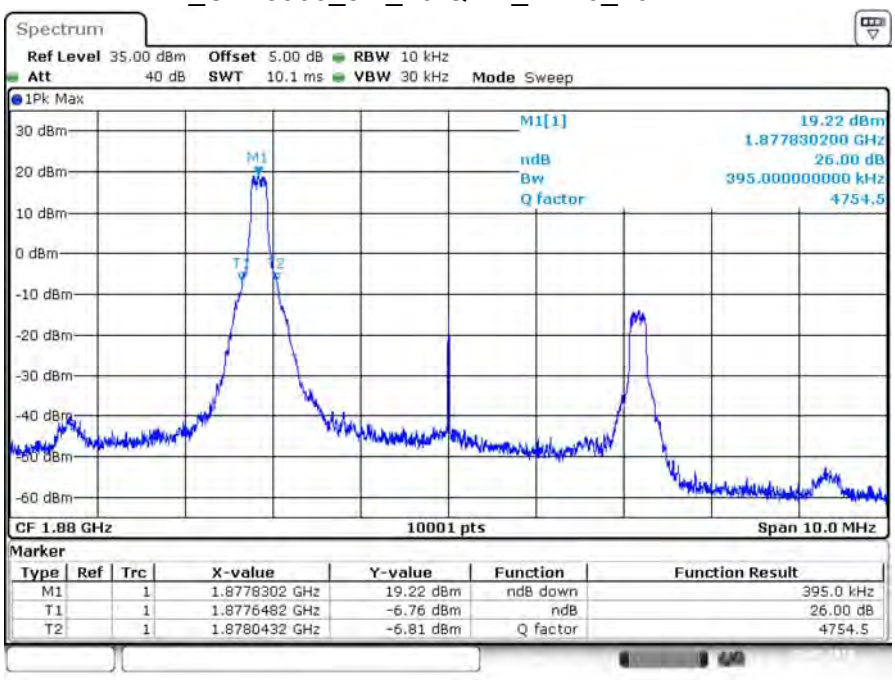

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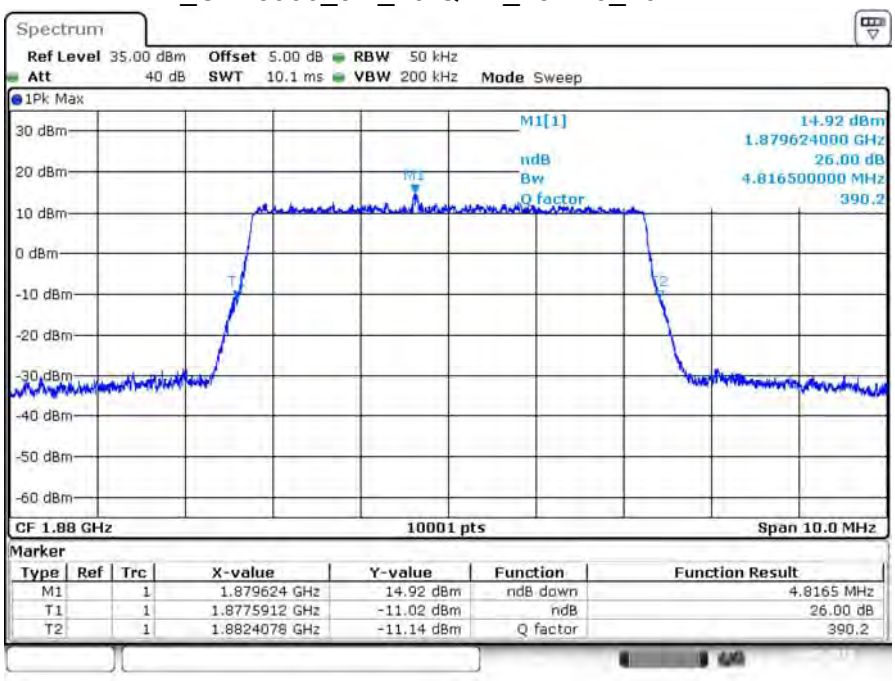

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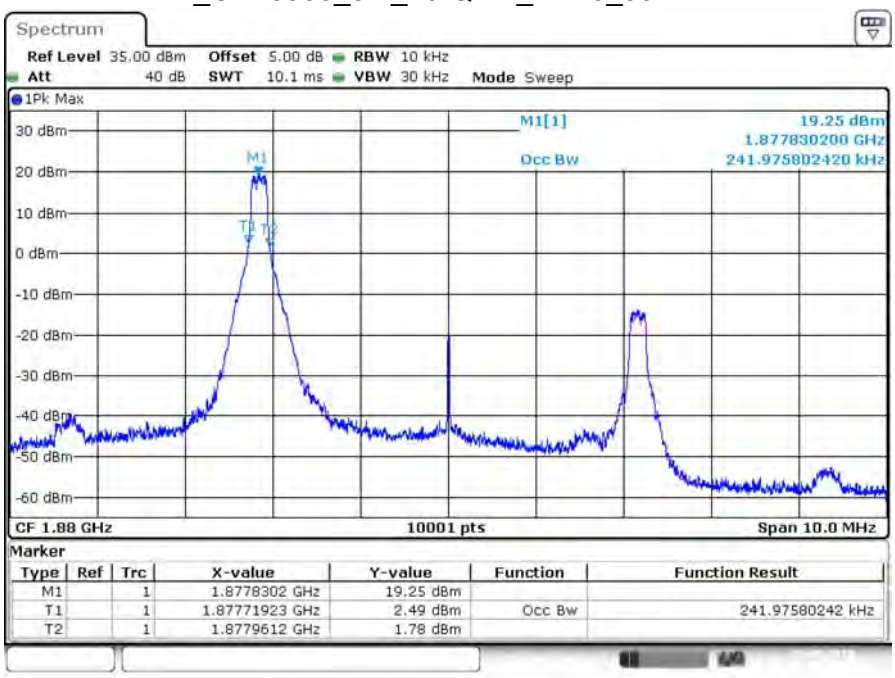

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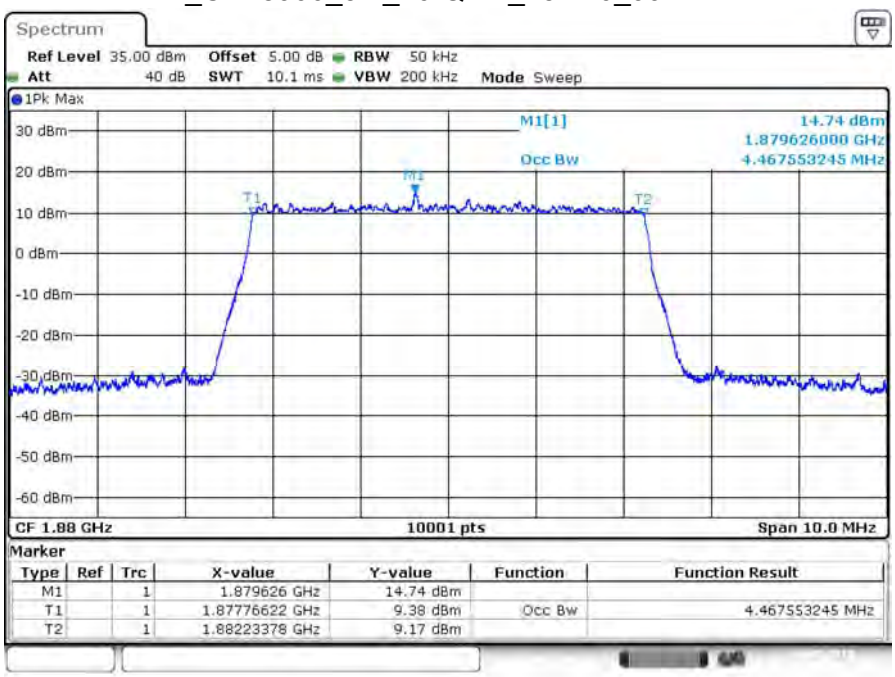

Date: 6.AUG.2019 09:16:01

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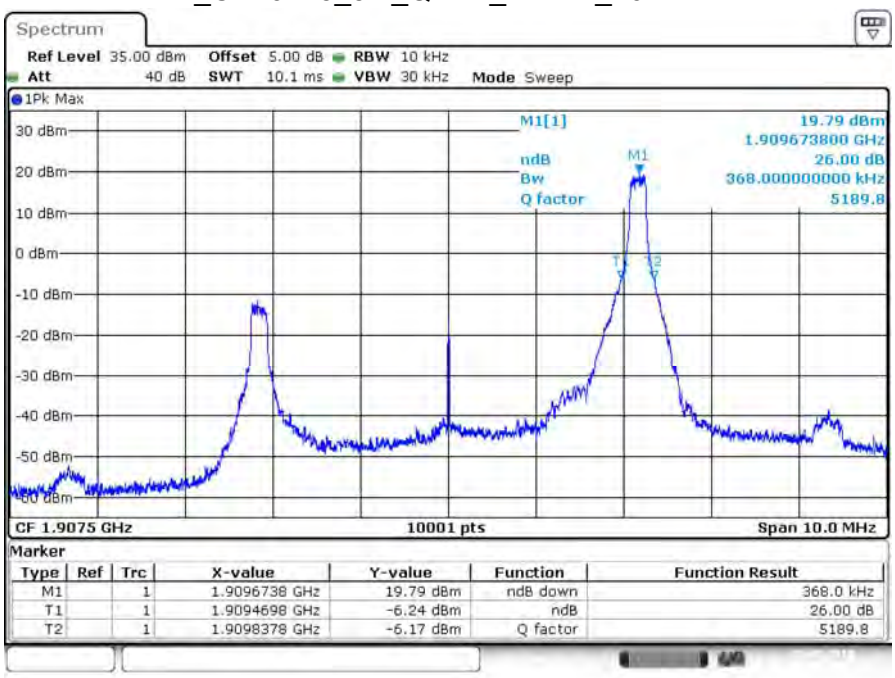

Date: 6.AUG.2019 09:31:23

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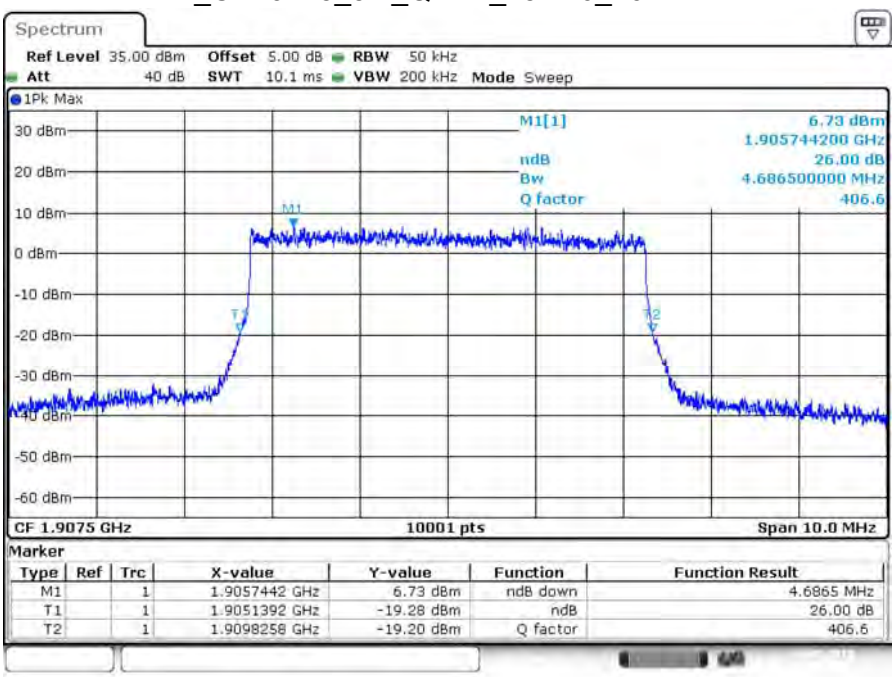

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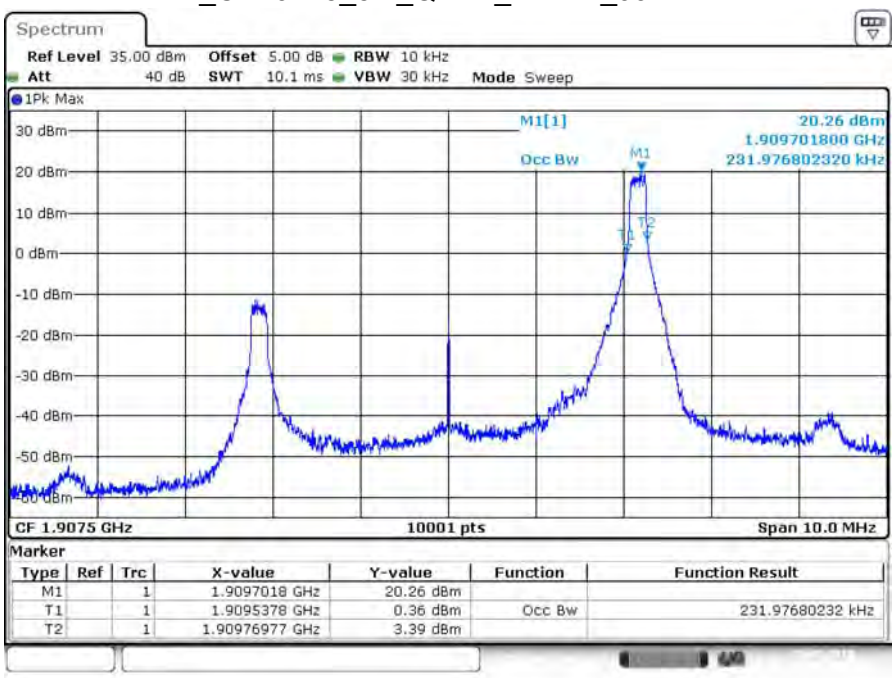

Date: 6.AUG.2019 09:29:48

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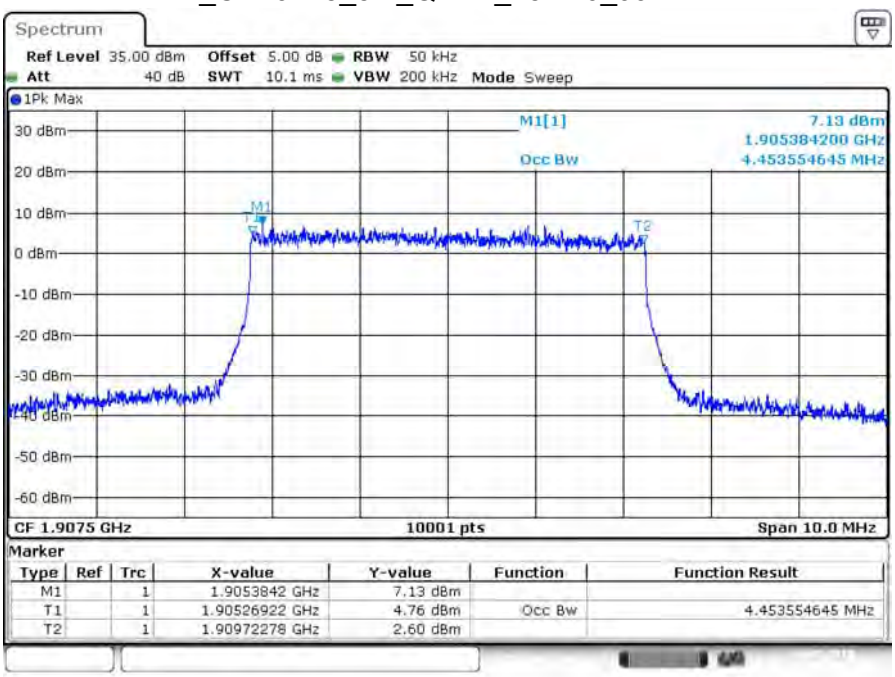

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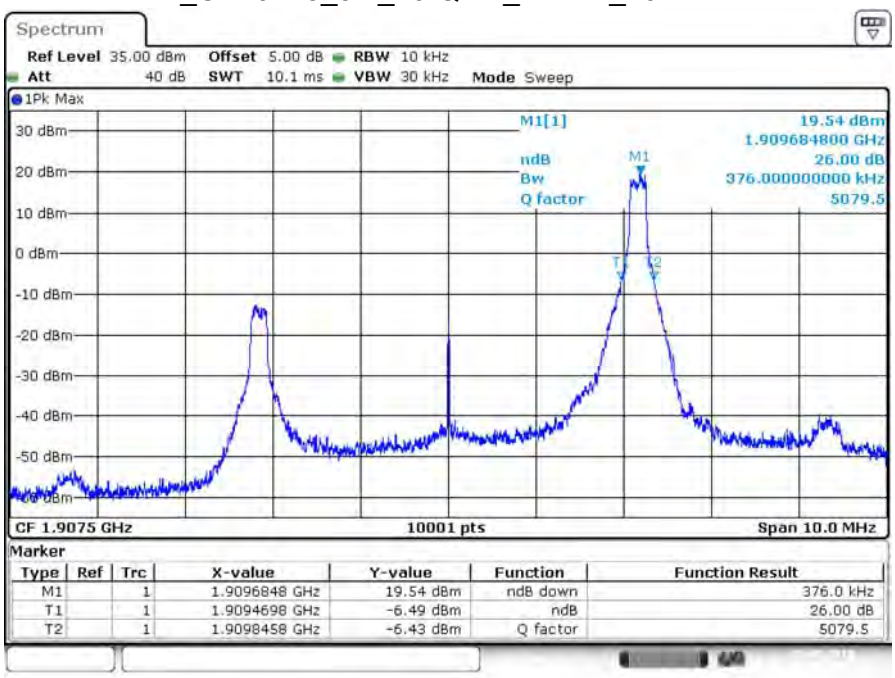

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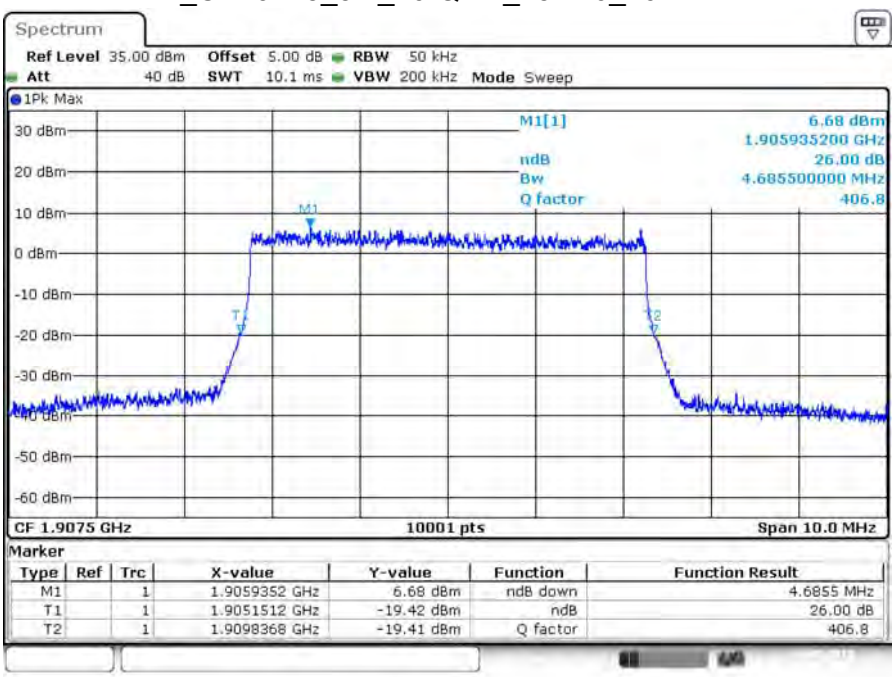

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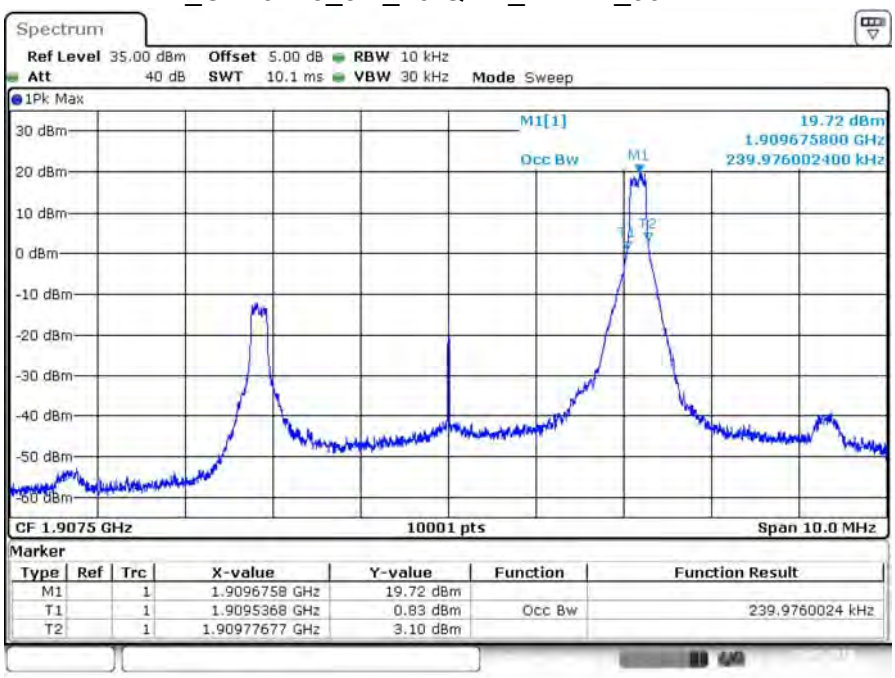

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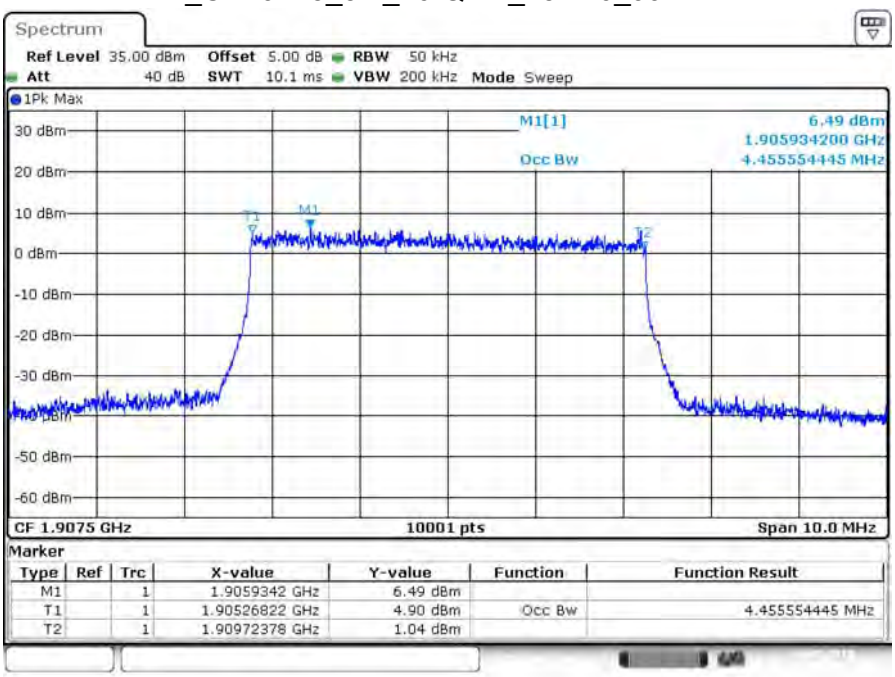

Date: 6.AUG.2019 09:41:42

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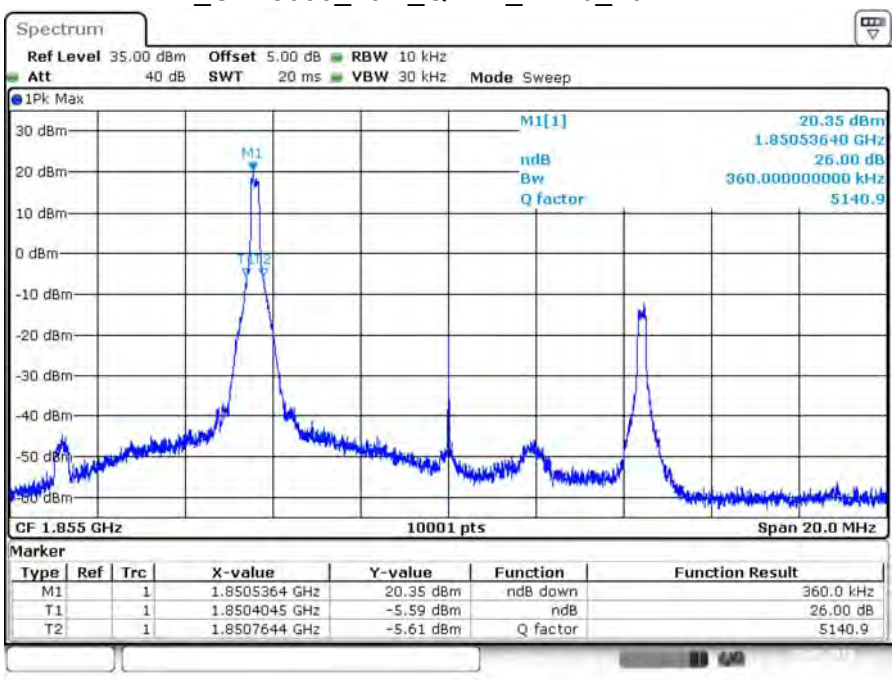

Date: 6.AUG.2019 11:05:22

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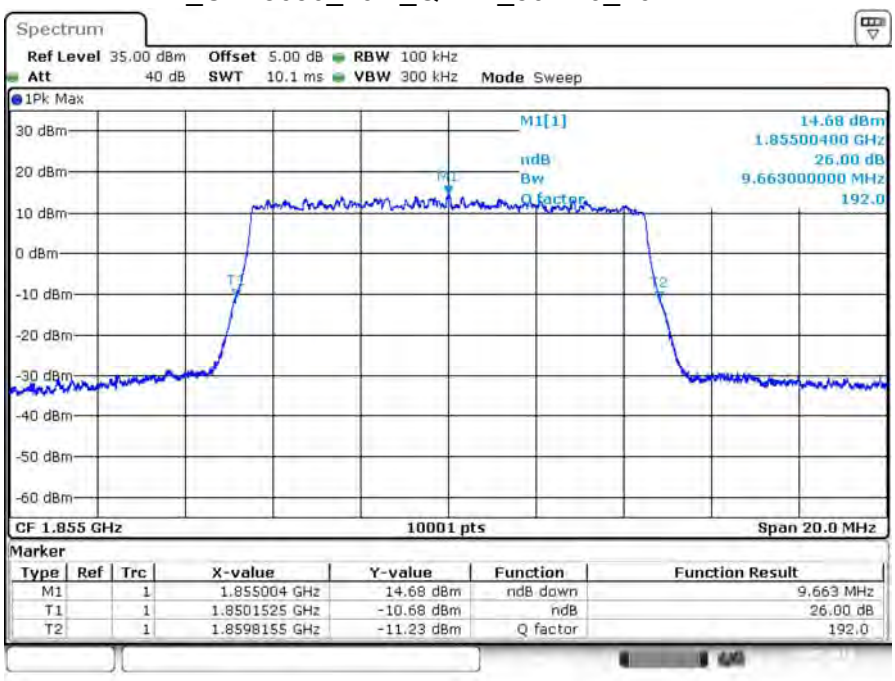

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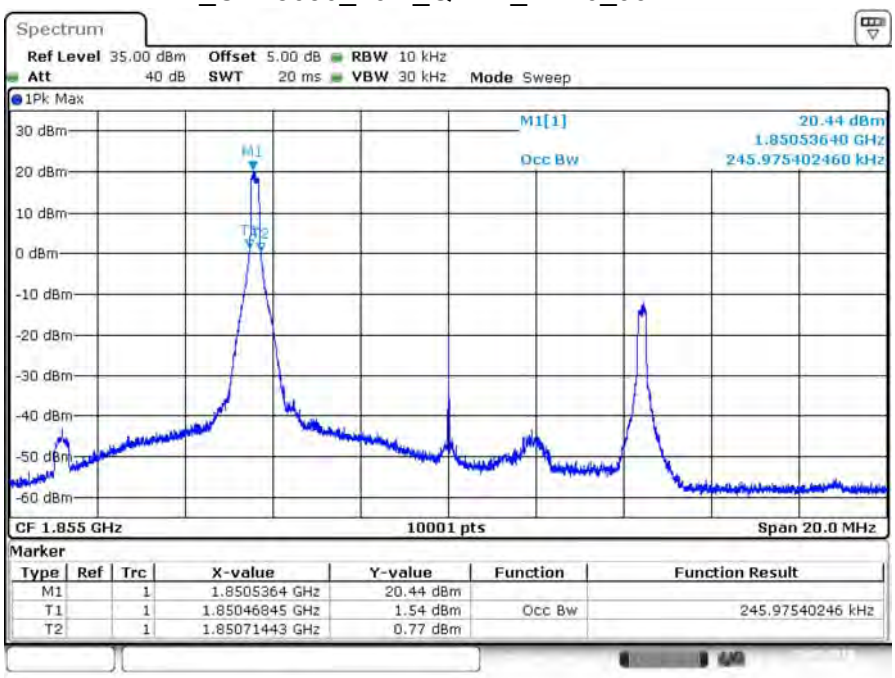

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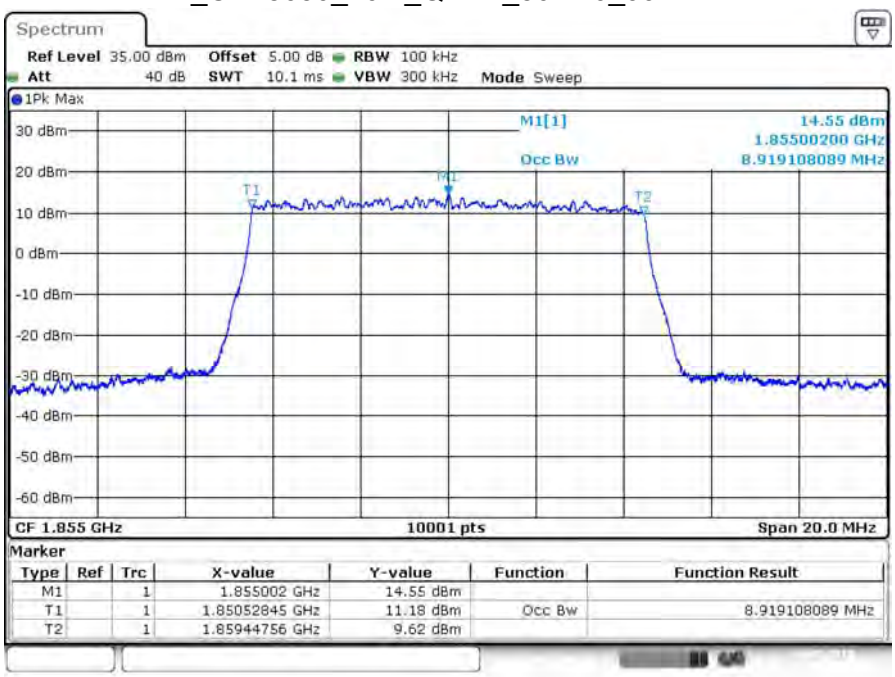

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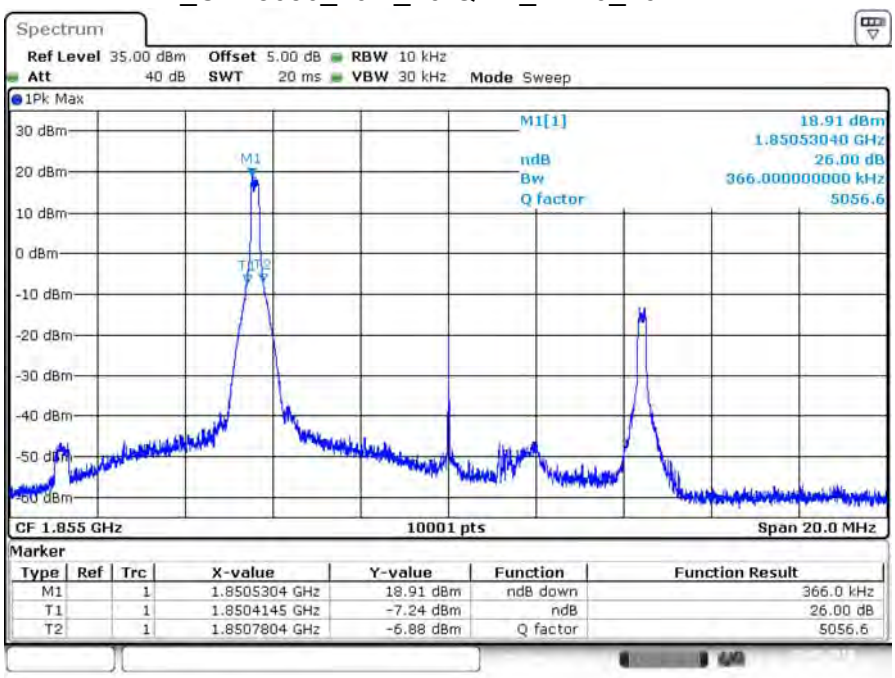

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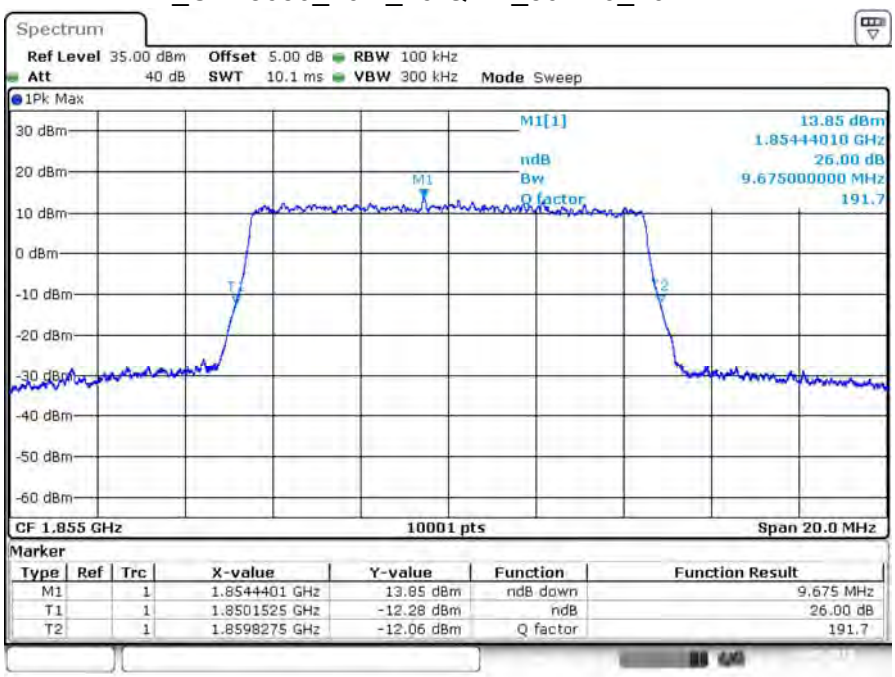

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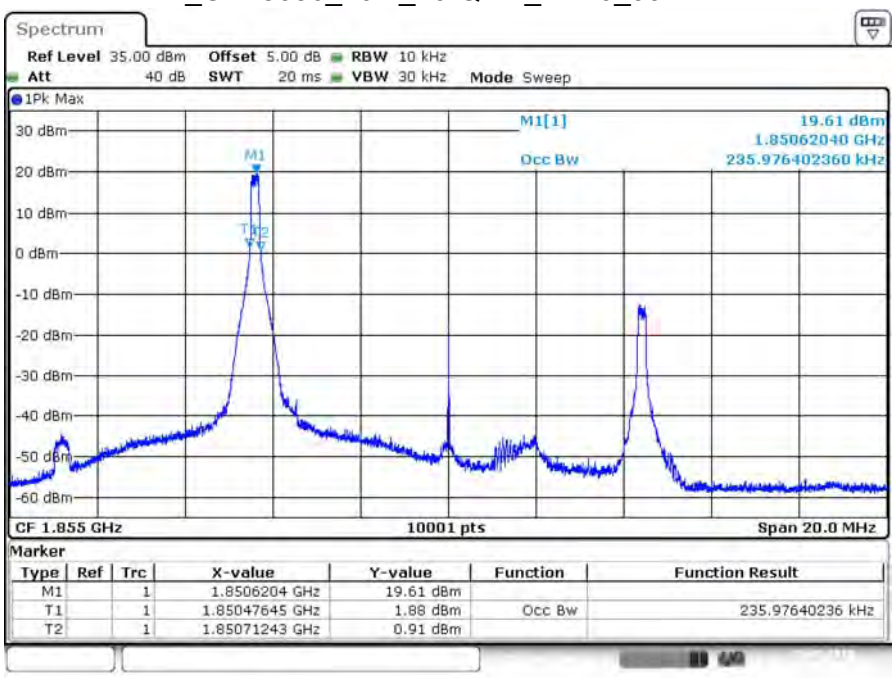

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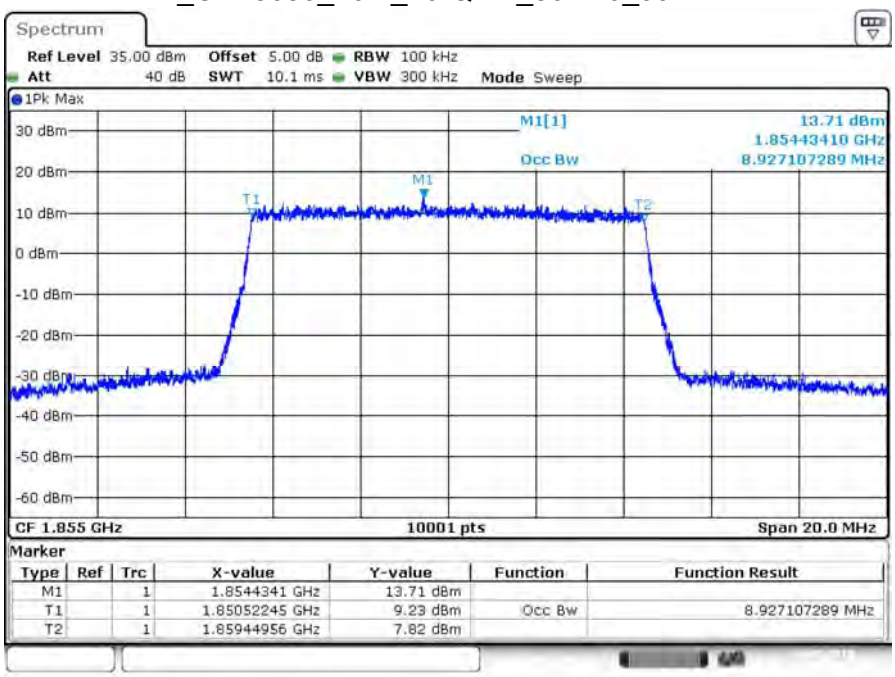

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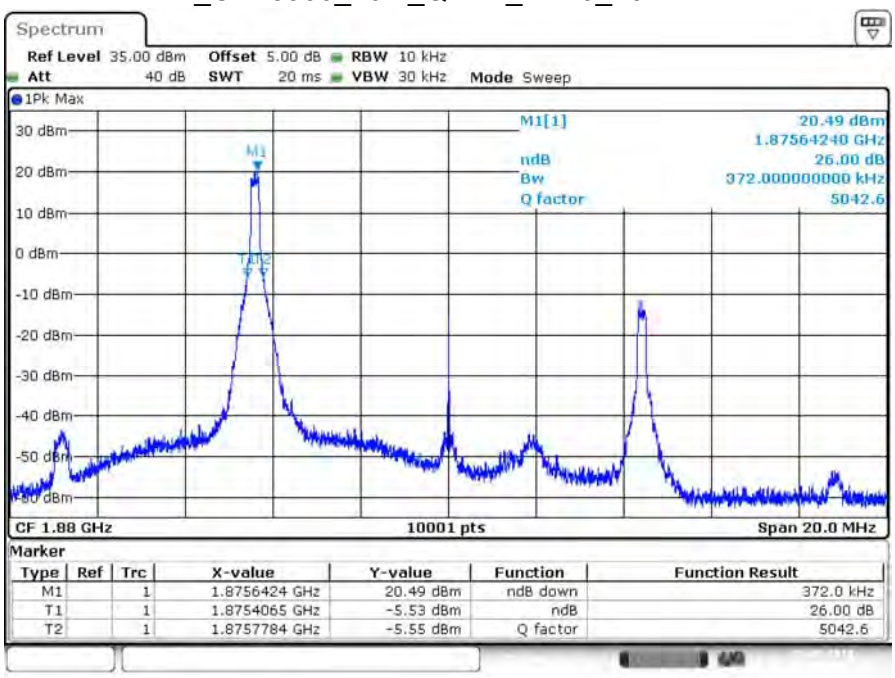
B2_CH18900_10M_QPSK_1RB0_26dB BW



Date: 6.AUG.2019 13:00:56

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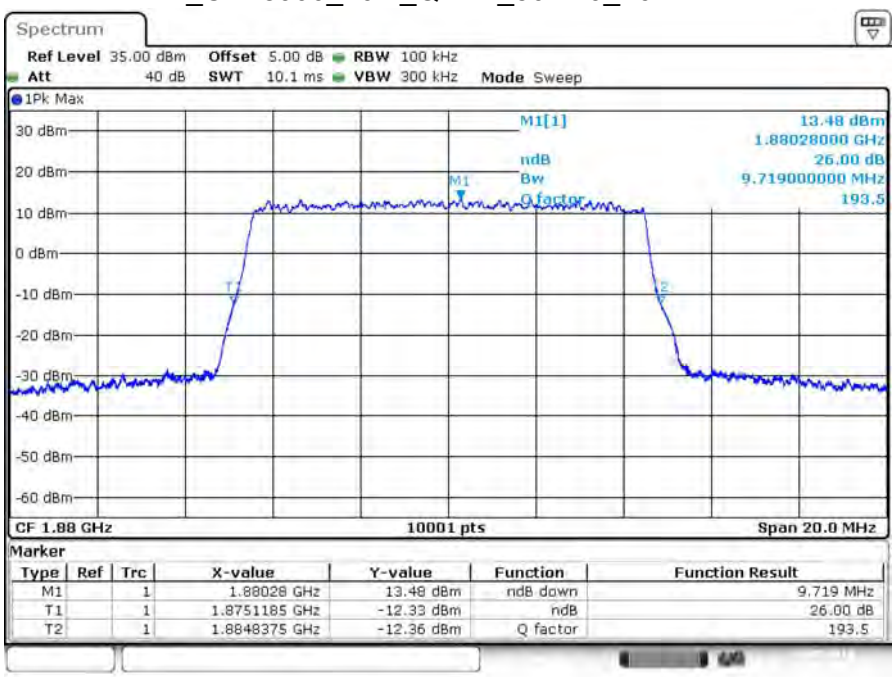

Date: 6.AUG.2019 12:06:16

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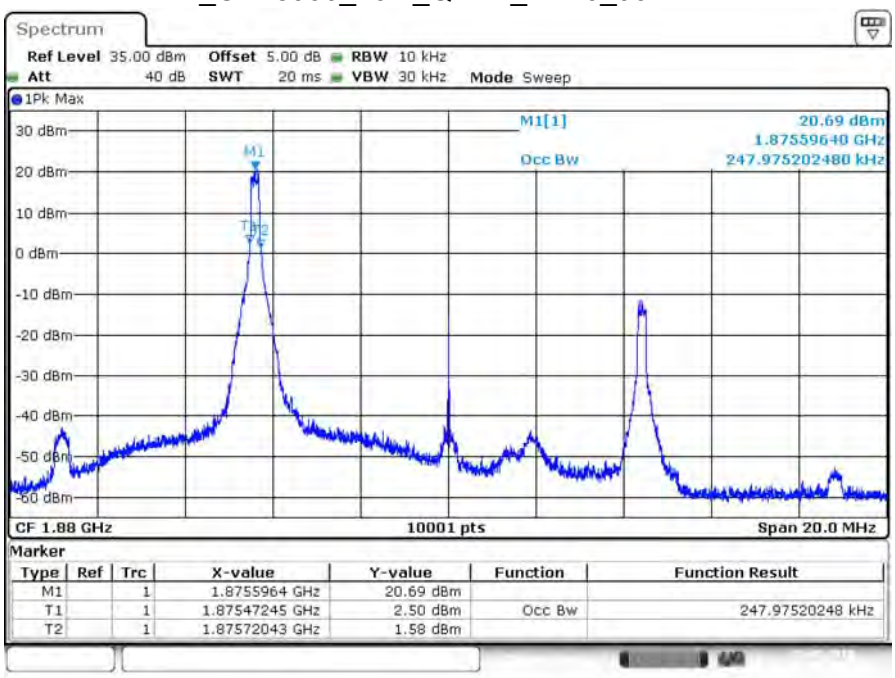
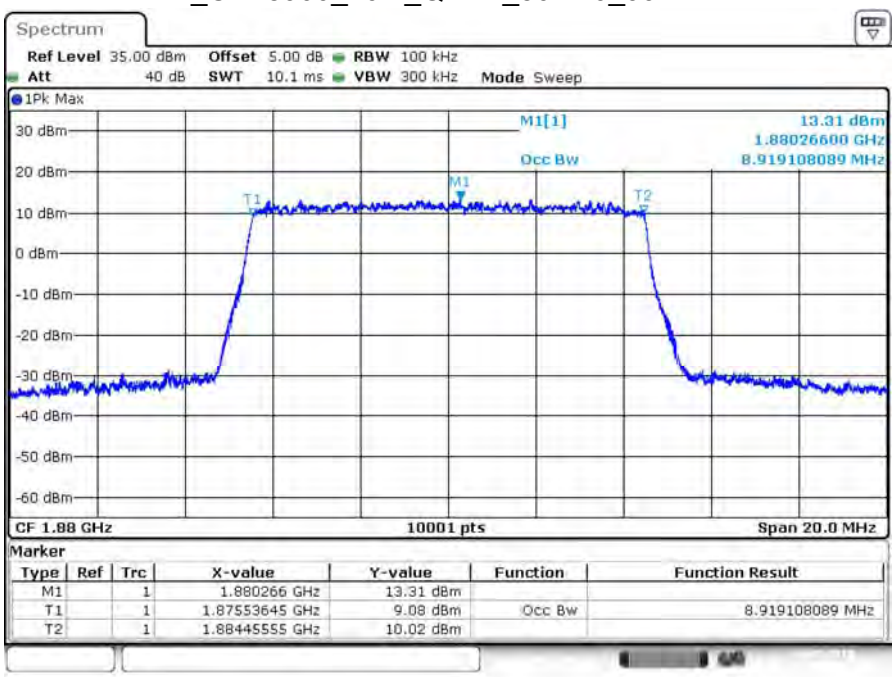


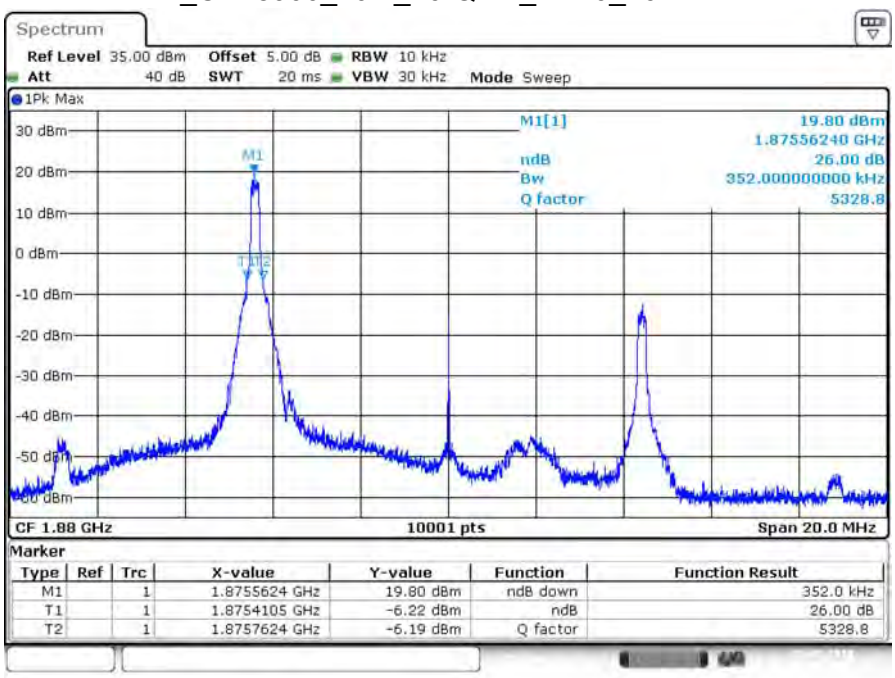
Date: 6.AUG.2019 13:00:30

B2_CH18900_10M_QPSK_50RB0_99% BW



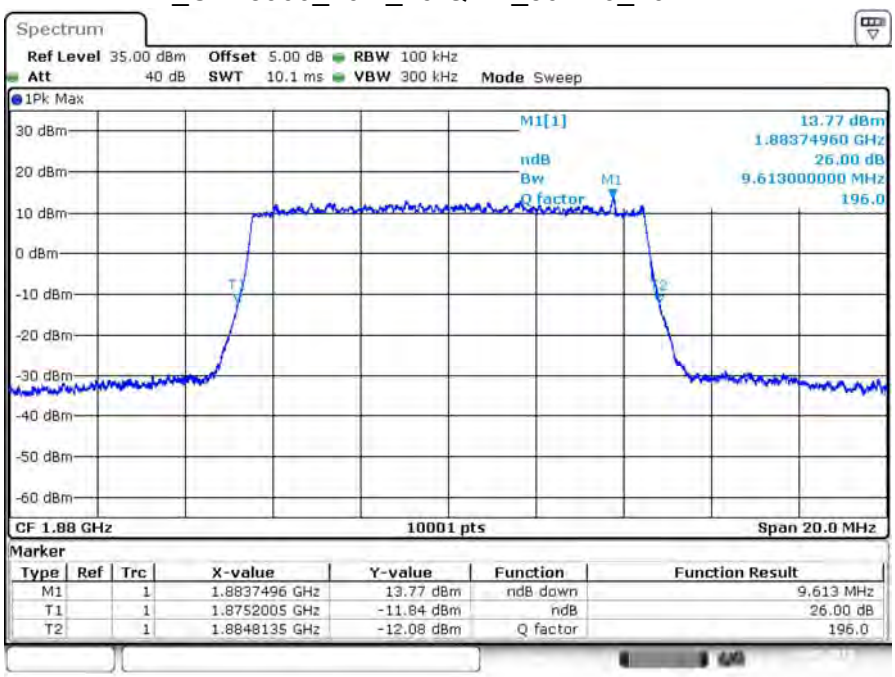
Date: 6.AUG.2019 12:01:05

B2_CH18900_10M_16-QAM_1RB0_26dB BW



Date: 6.AUG.2019 12:41:45

B2_CH18900_10M_16-QAM_50RB0_26dB BW



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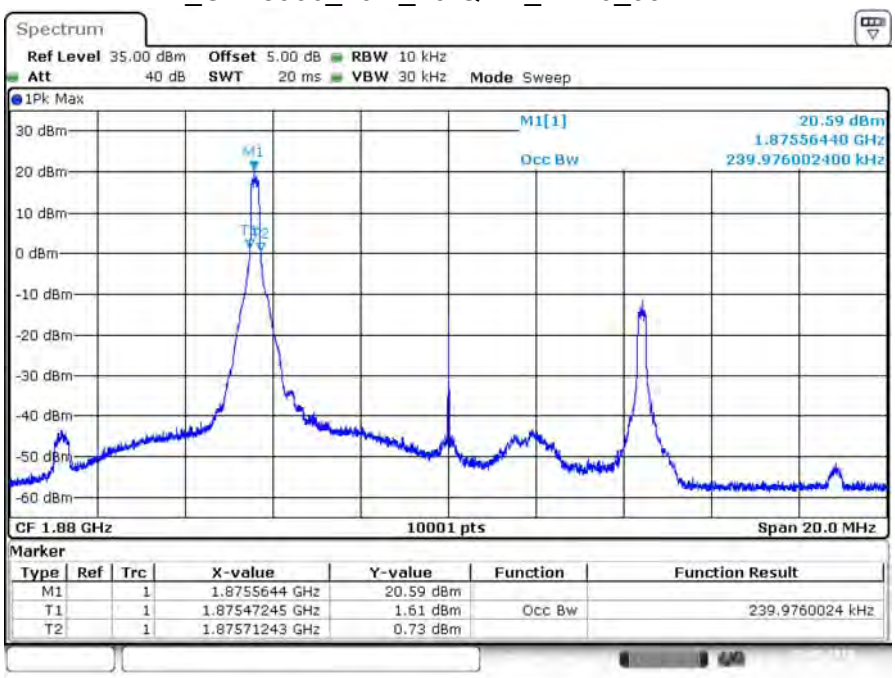
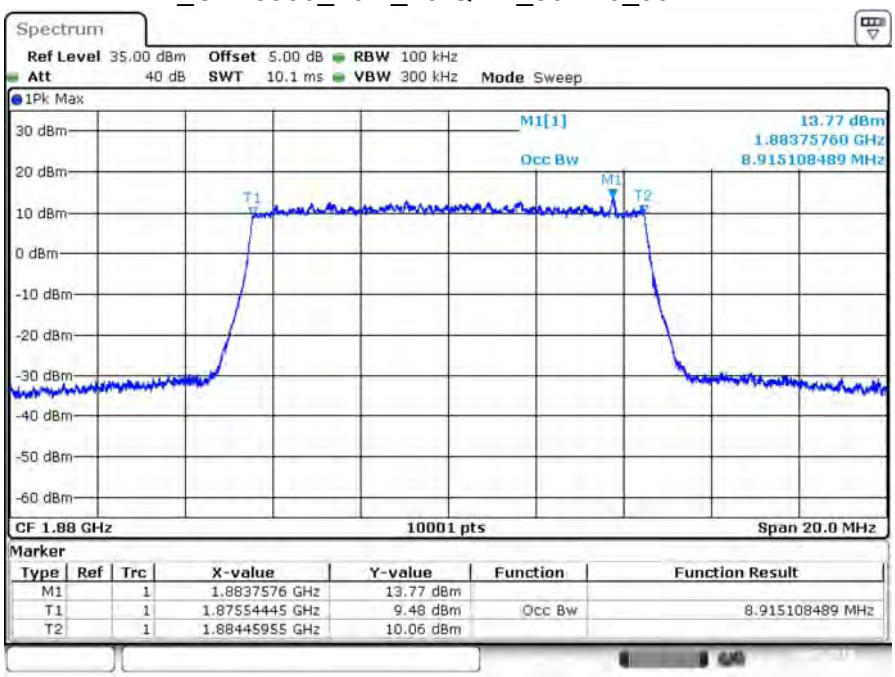


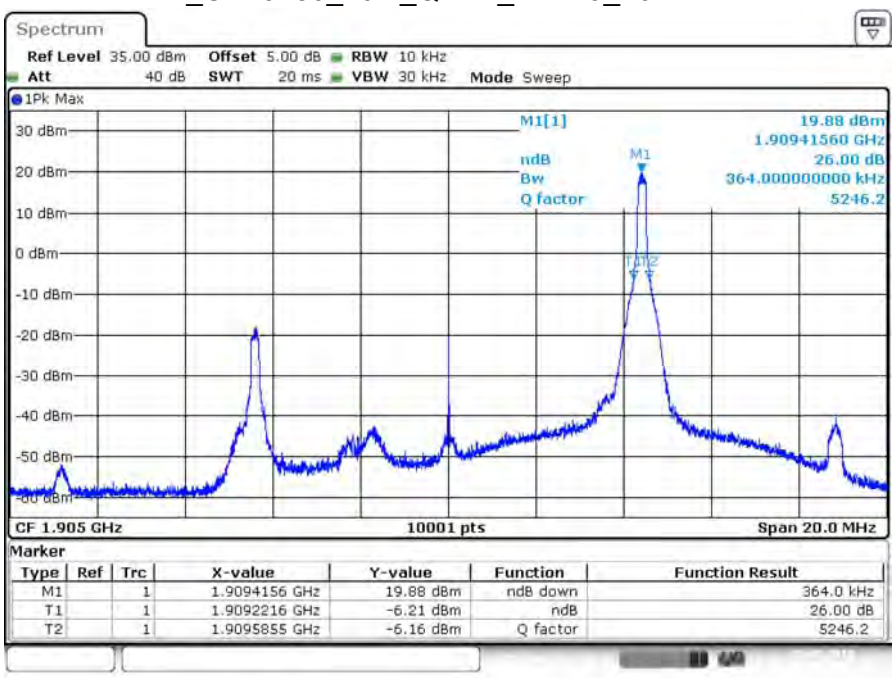
Date: 6.AUG.2019 12:41:15

B2_CH18900_10M_16-QAM_50RB0_99% BW



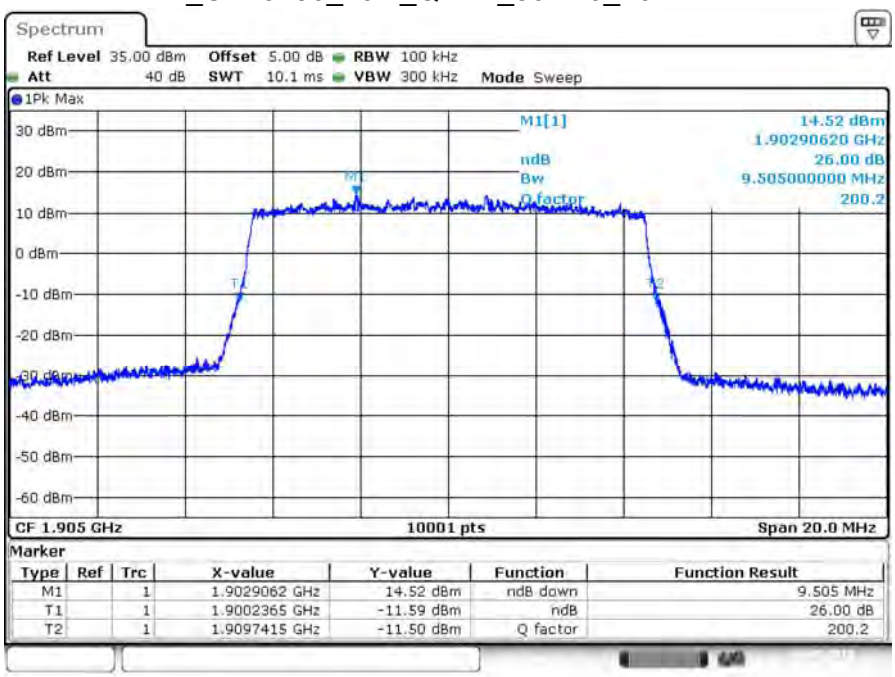
Date: 6.AUG.2019 12:10:06

B2_CH19150_10M_QPSK_1RB49_26dB BW



Date: 6.AUG.2019 13:07:43

B2_CH19150_10M_QPSK_50RB0_26dB BW



Date: 6.AUG.2019 13:43:16

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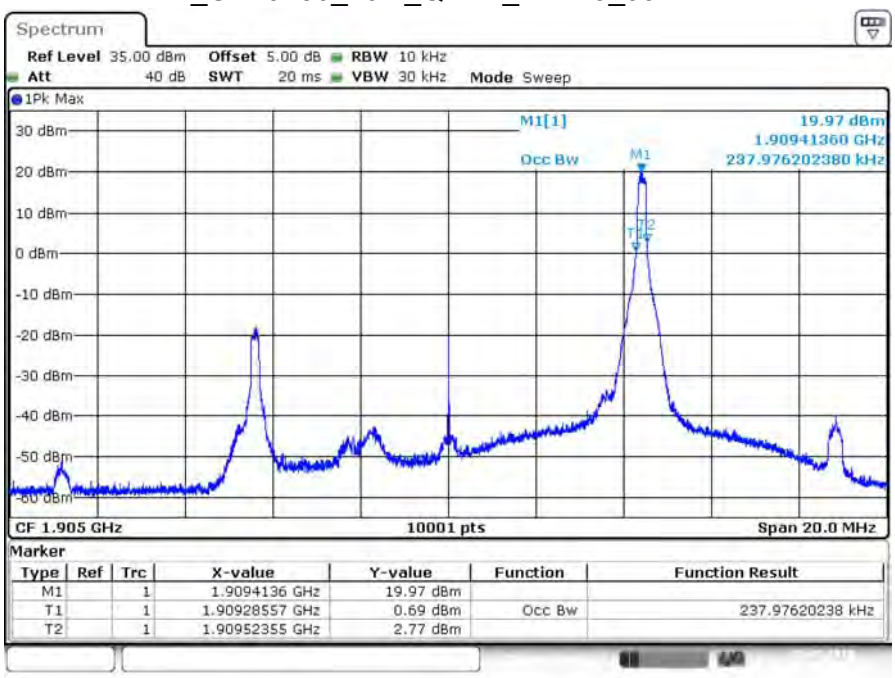
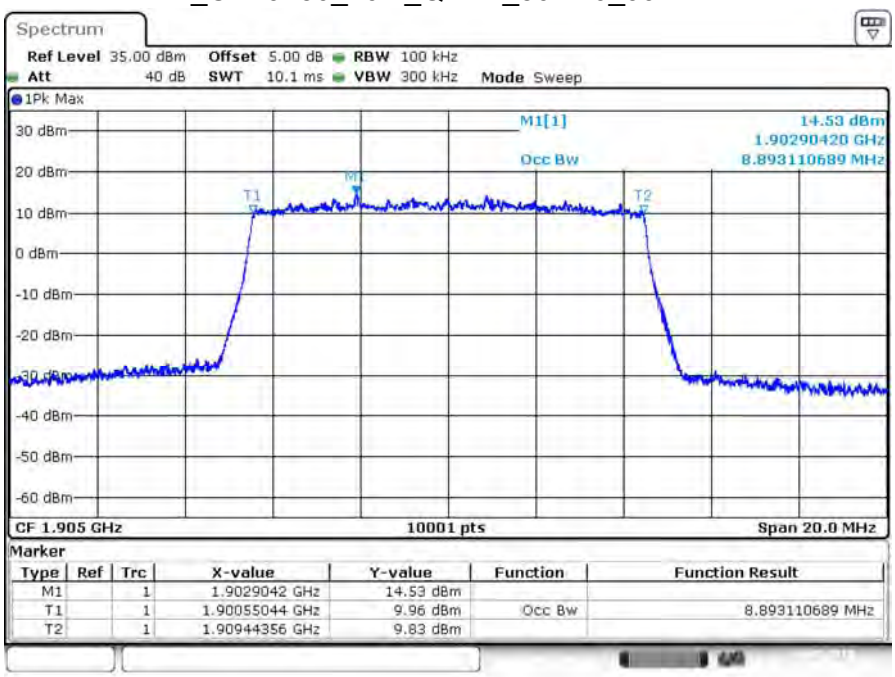


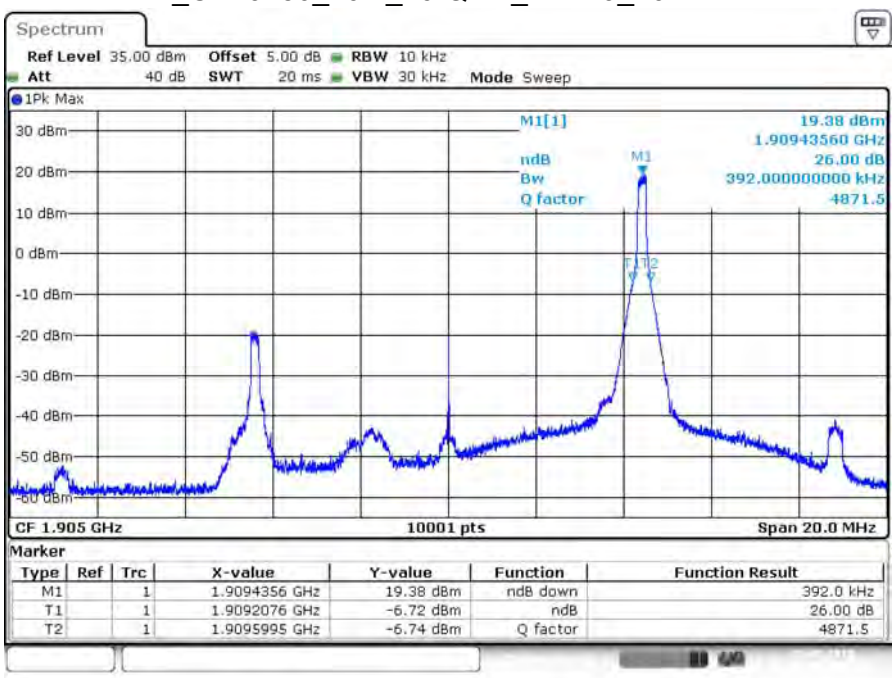
Date: 6.AUG.2019 13:05:24

B2_CH19150_10M_QPSK_50RB0_99% BW



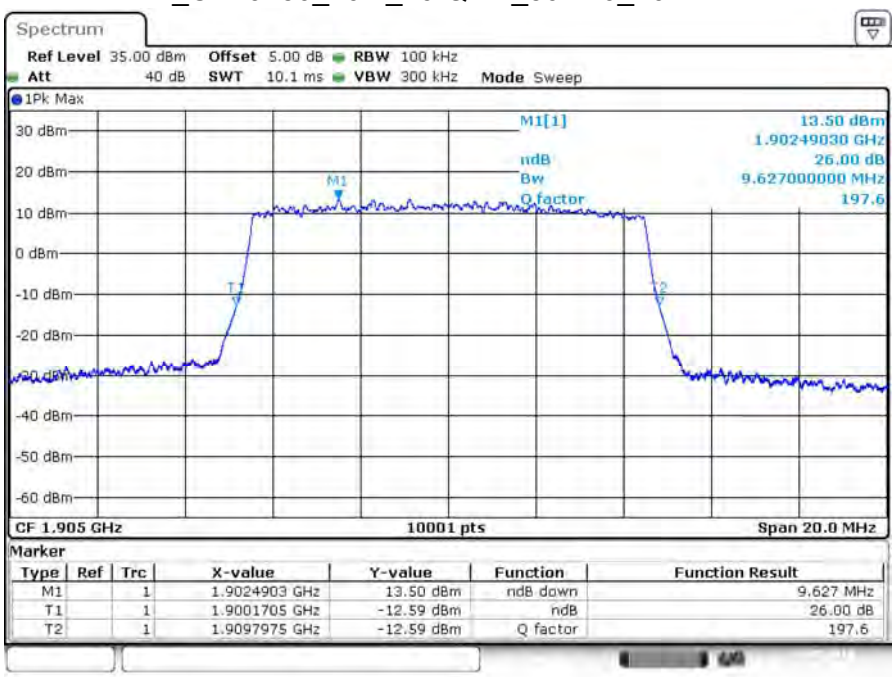
Date: 6.AUG.2019 13:42:10

B2_CH19150_10M_16-QAM_1RB49_26dB BW



Date: 6.AUG.2019 13:13:05

B2_CH19150_10M_16-QAM_50RB0_26dB BW



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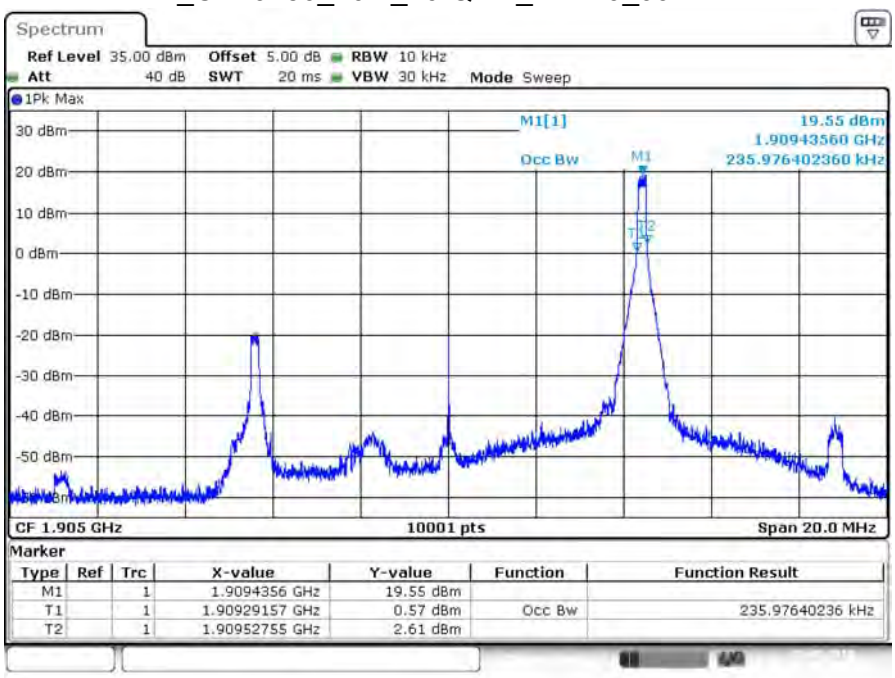
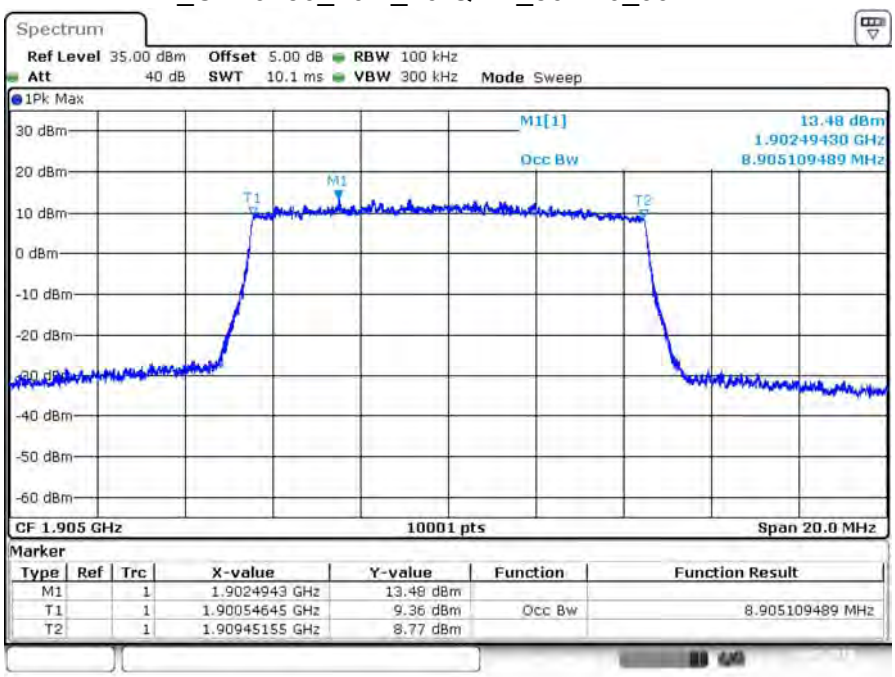
B2_CH19150_10M_16-QAM_1RB49_99% BW



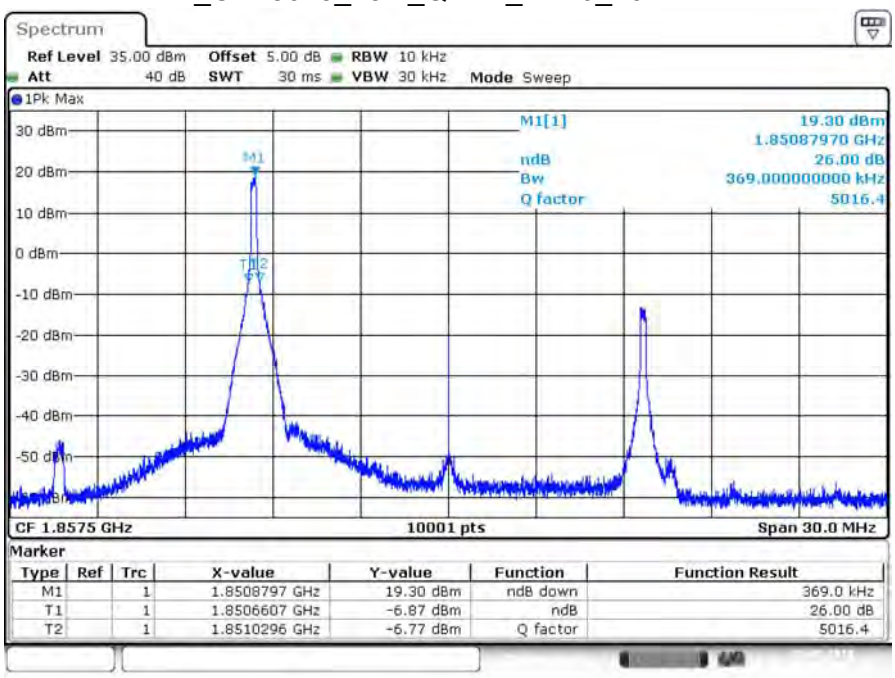
Date: 6.AUG.2019 13:13:46

B2_CH19150_10M_16-QAM_50RB0_99% BW



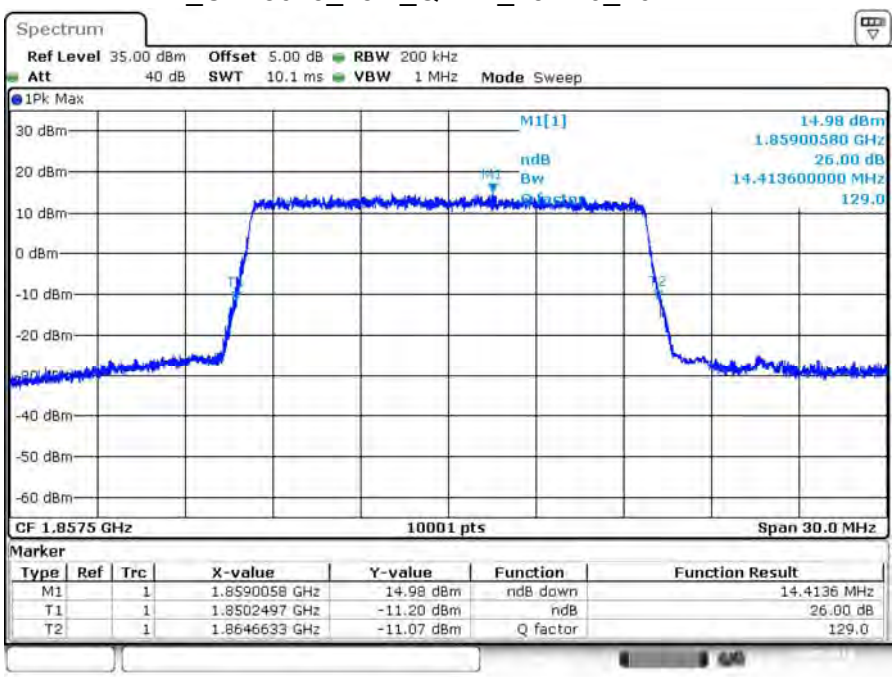
Date: 6.AUG.2019 13:27:23

B2_CH18675_15M_QPSK_1RB0_26dB BW



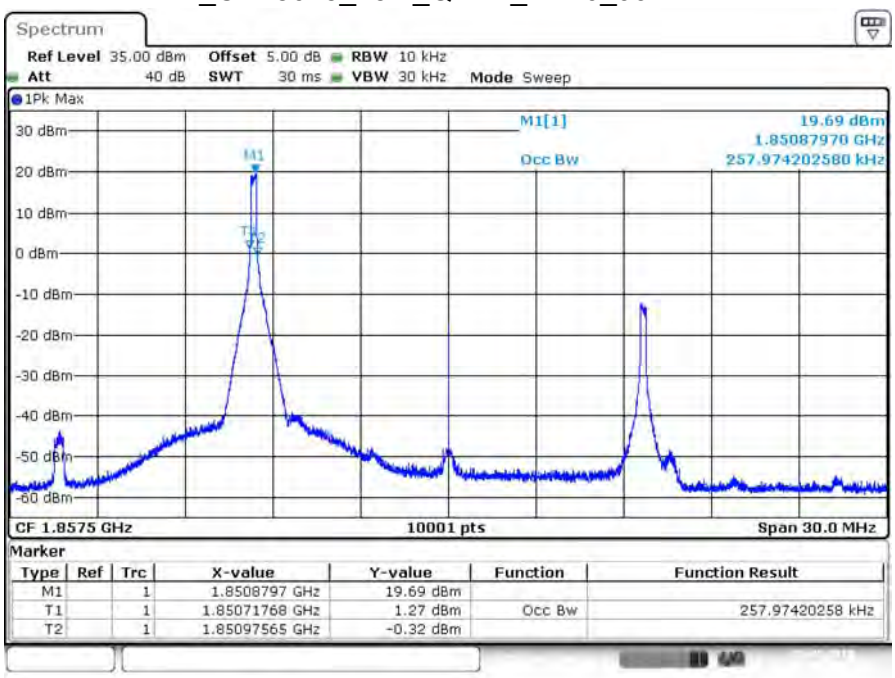
Date: 6.AUG.2019 14:43:52

B2_CH18675_15M_QPSK_75RB0_26dB BW



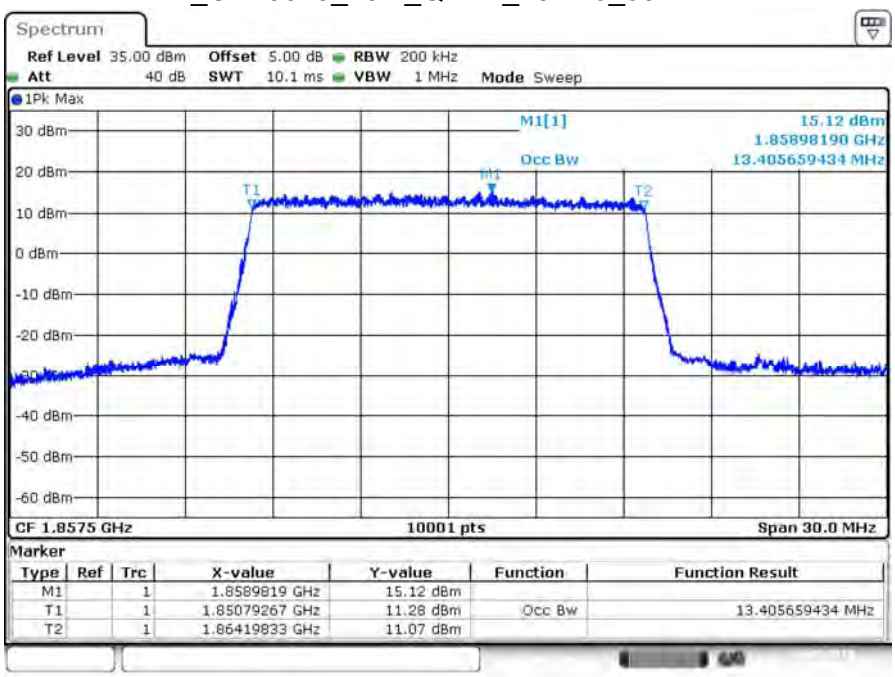
Date: 6.AUG.2019 14:51:47

B2_CH18675_15M_QPSK_1RB0_99% BW



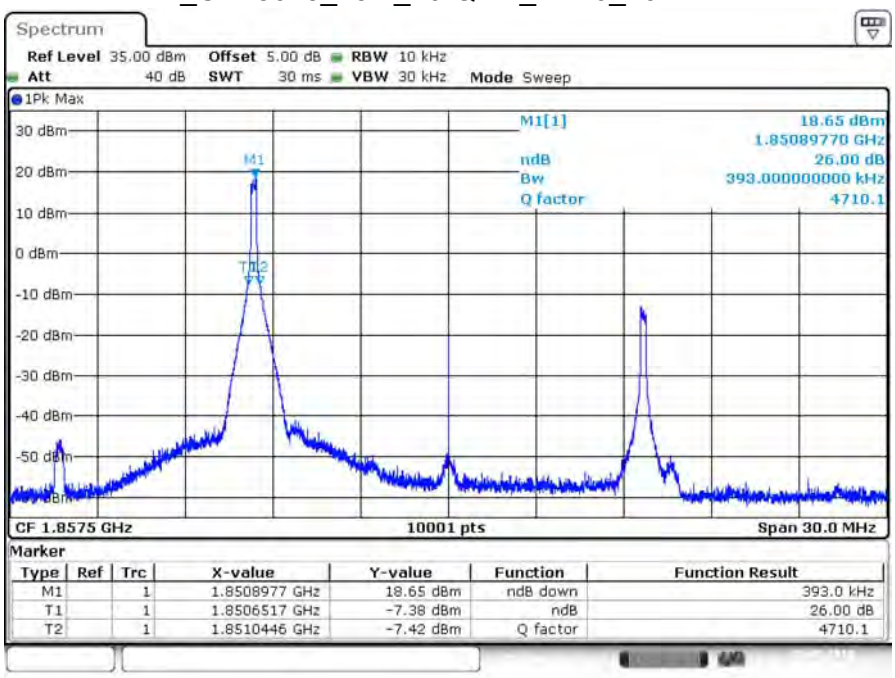
Date: 6.AUG.2019 14:42:40

B2_CH18675_15M_QPSK_75RB0_99% BW



Date: 6.AUG.2019 14:51:06

B2_CH18675_15M_16-QAM_1RB0_26dB BW



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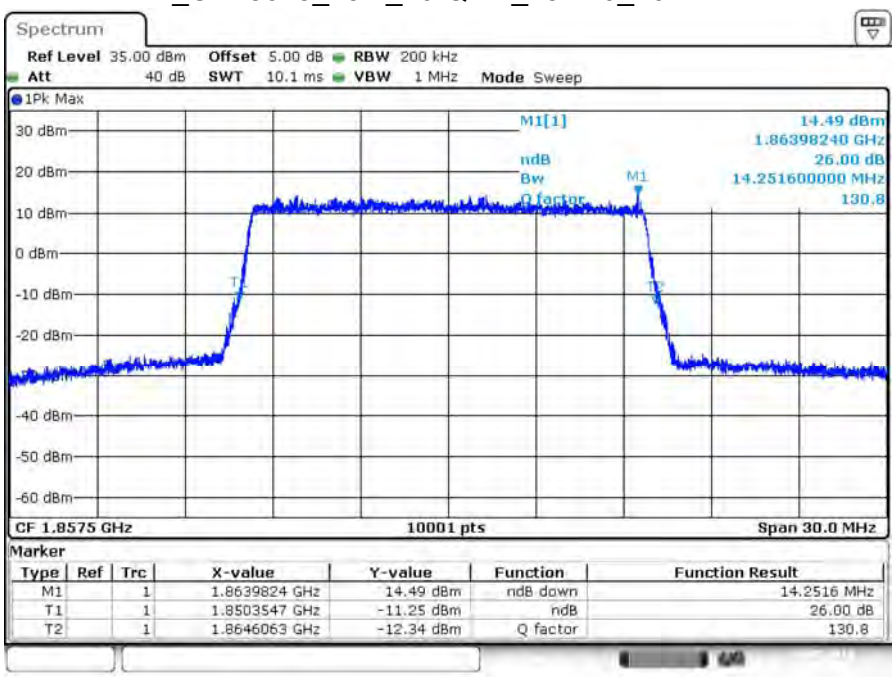
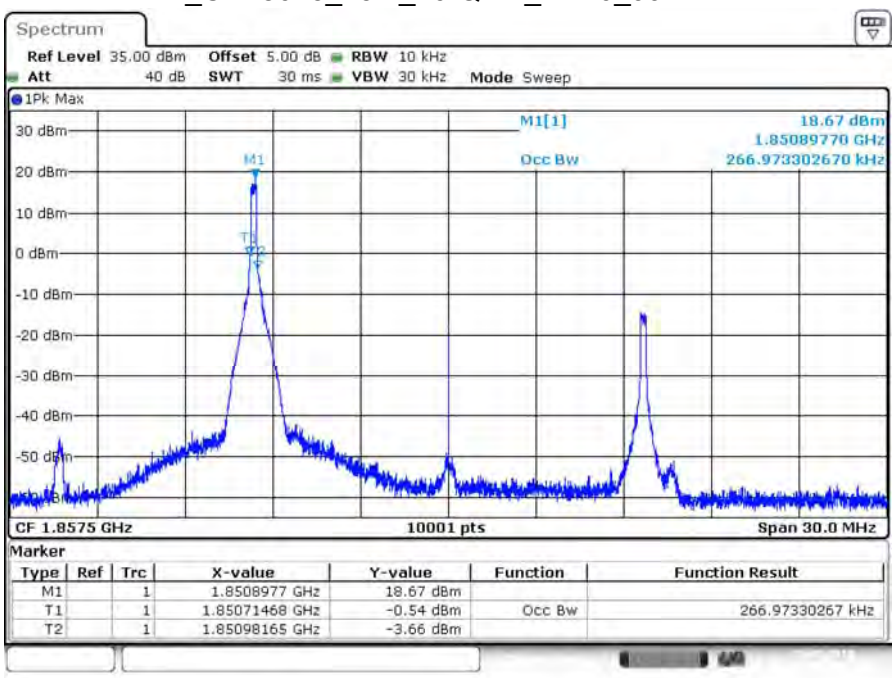
B2_CH18675_15M_16-QAM_75RB0_26dB BW



Date: 6.AUG.2019 14:49:01

B2_CH18675_15M_16-QAM_1RB0_99% BW



Date: 6.AUG.2019 14:45:01

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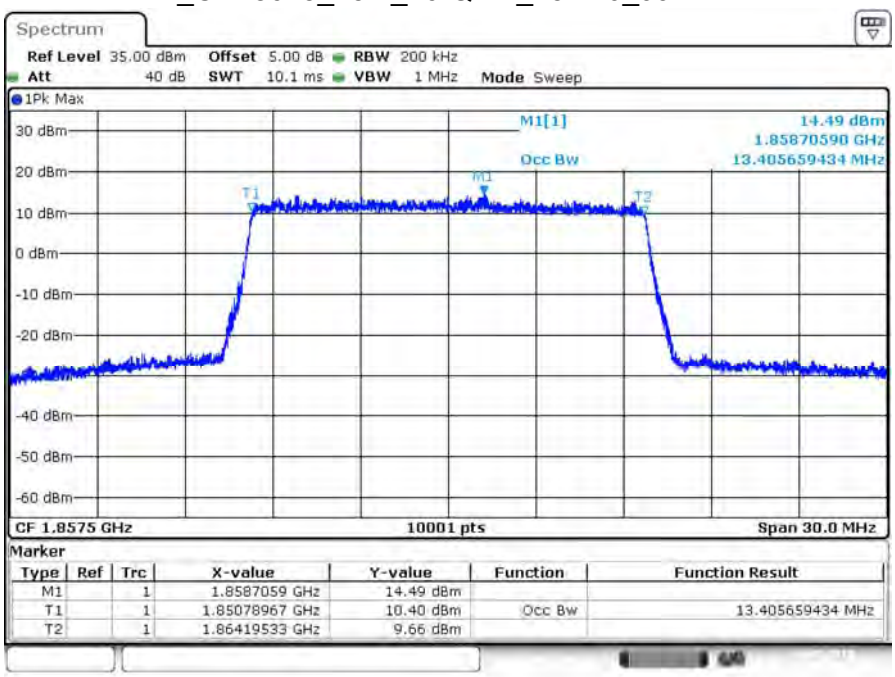

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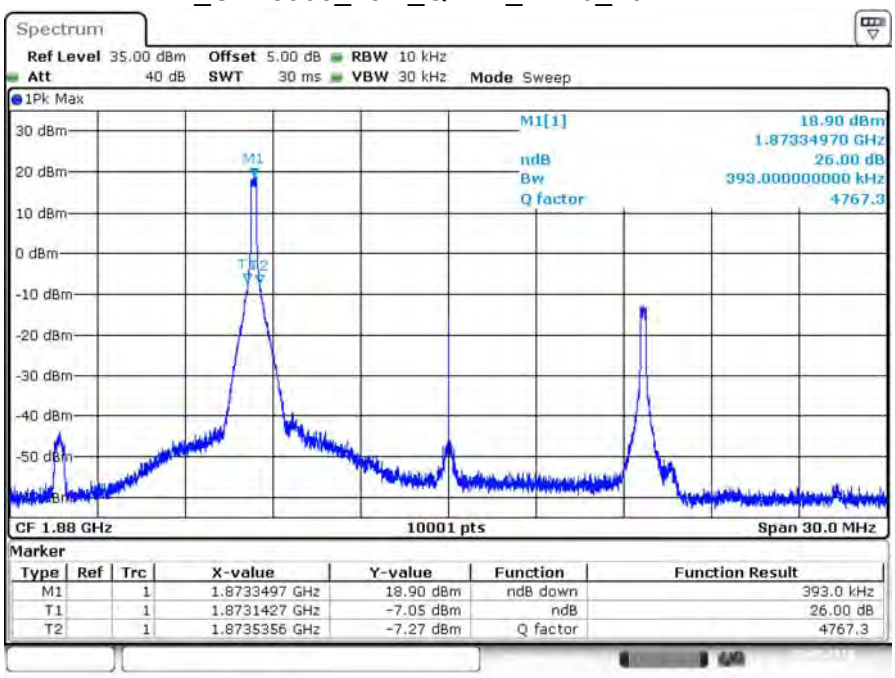

Date: 6.AUG.2019 14:58:05

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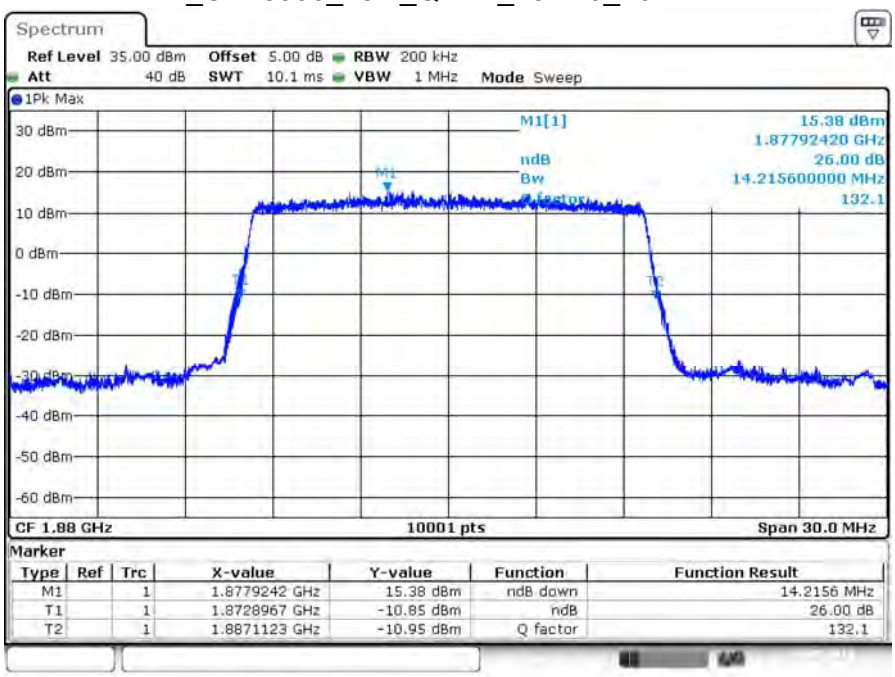
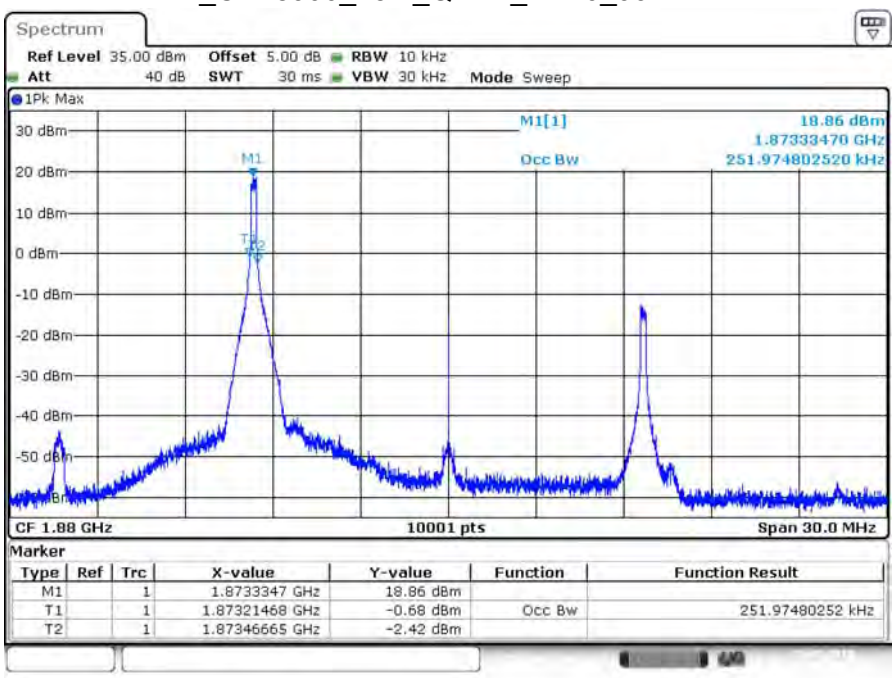


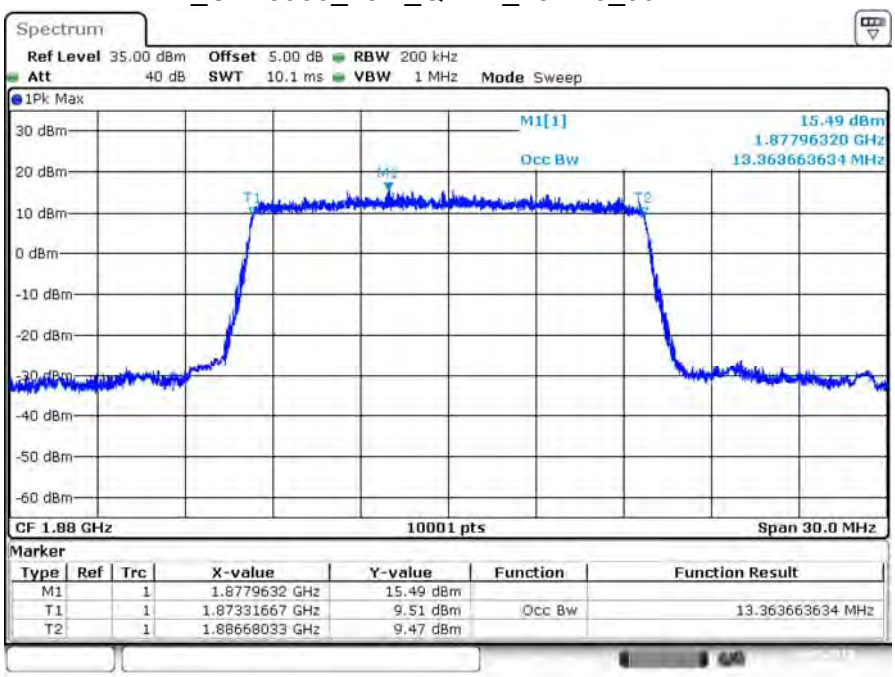
Date: 6.AUG.2019 14:52:36

B2_CH18900_15M_QPSK_1RB0_99% BW



Date: 6.AUG.2019 14:57:41

B2_CH18900_15M_QPSK_75RB0_99% BW



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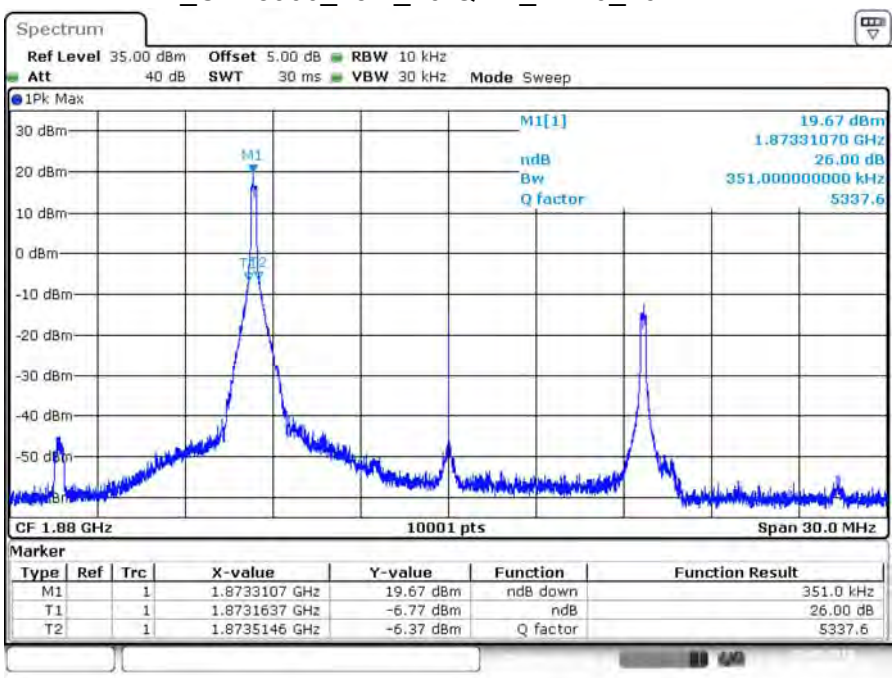

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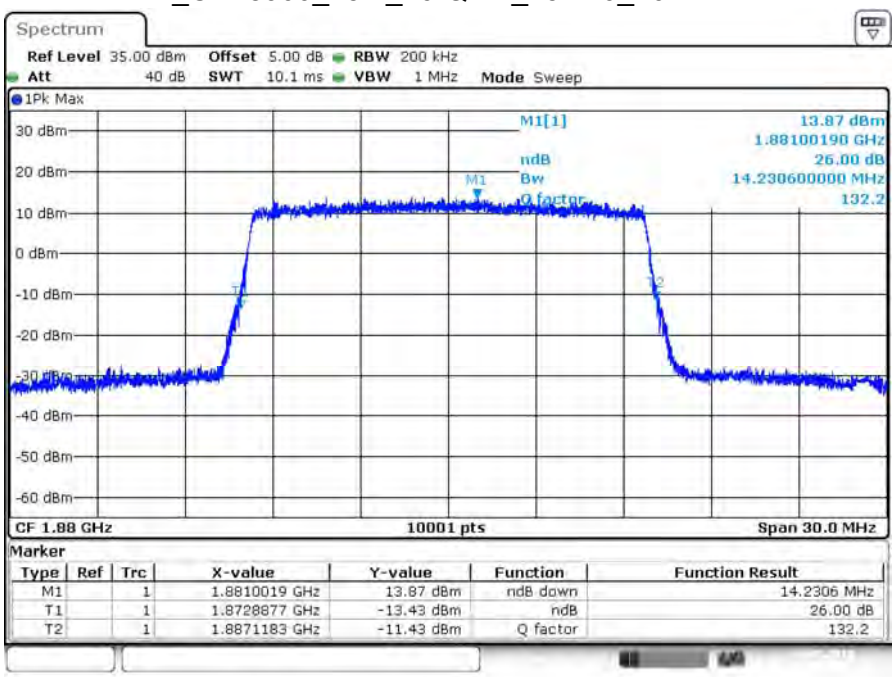

Date: 6.AUG.2019 14:55:46

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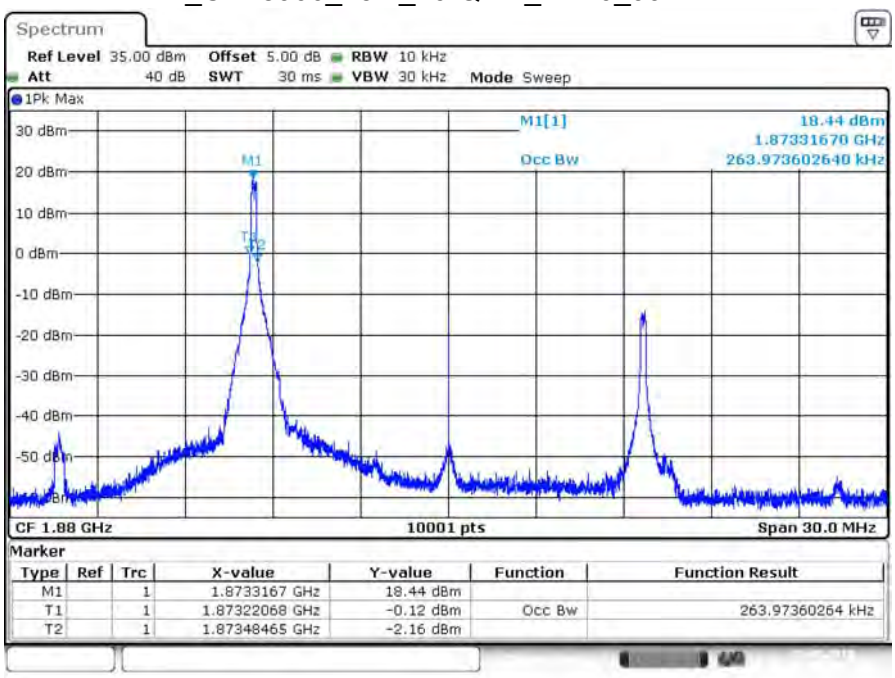
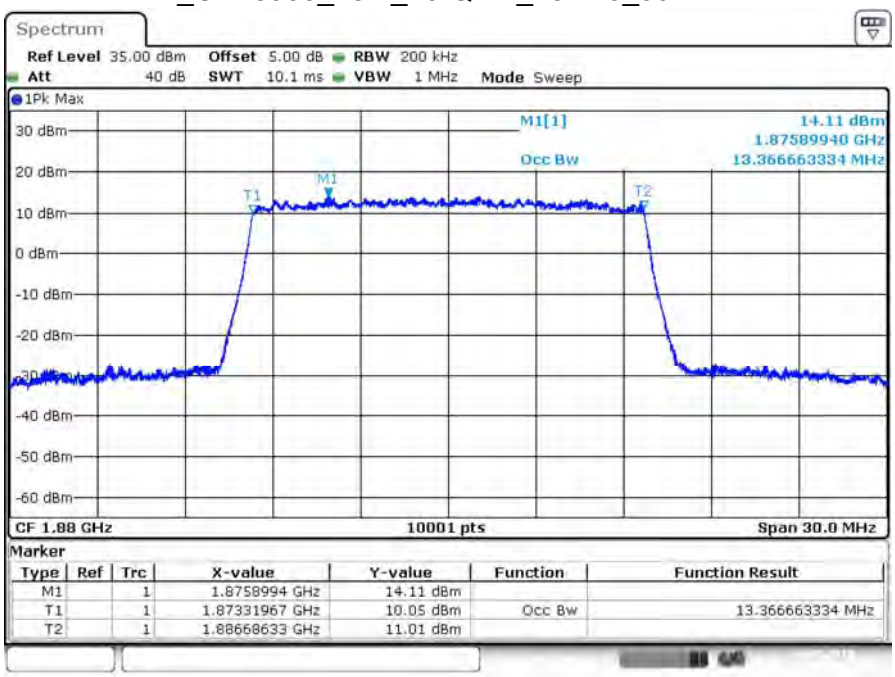


Date: 6.AUG.2019 14:57:12

B2_CH18900_15M_16-QAM_75RB0_99% BW



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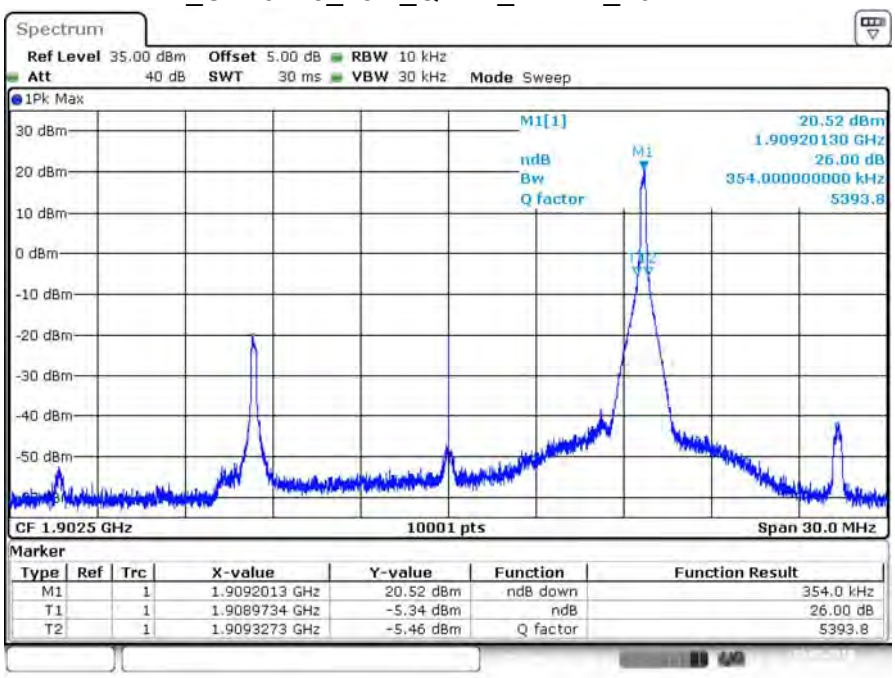
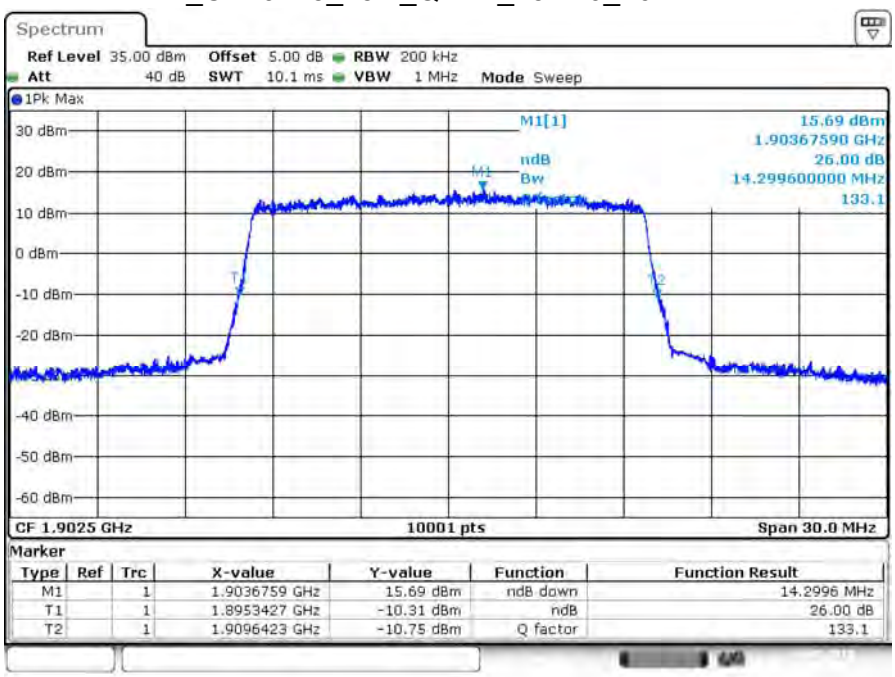
B2_CH19125_15M_QPSK_1RB74_26dB BW



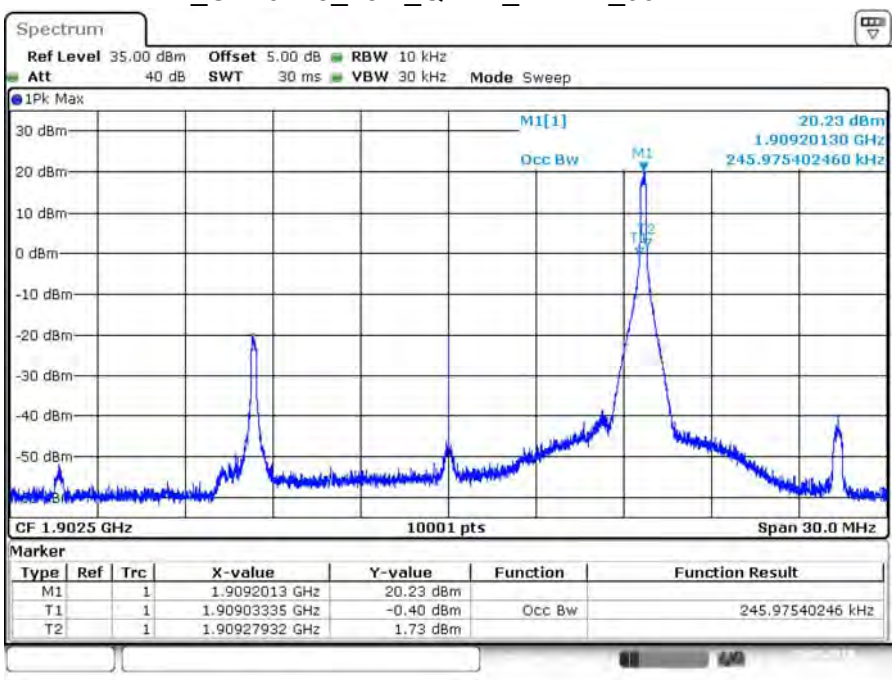
Date: 6.AUG.2019 14:59:45

B2_CH19125_15M_QPSK_75RB0_26dB BW



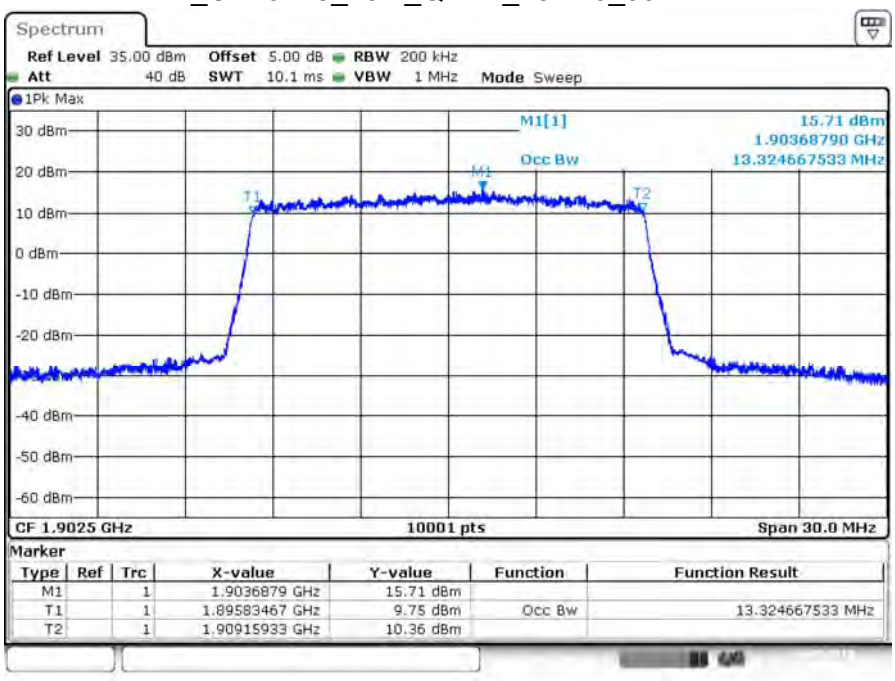
Date: 6.AUG.2019 15:03:22

B2_CH19125_15M_QPSK_1RB74_99% BW



Date: 6.AUG.2019 14:59:19

B2_CH19125_15M_QPSK_75RB0_99% BW



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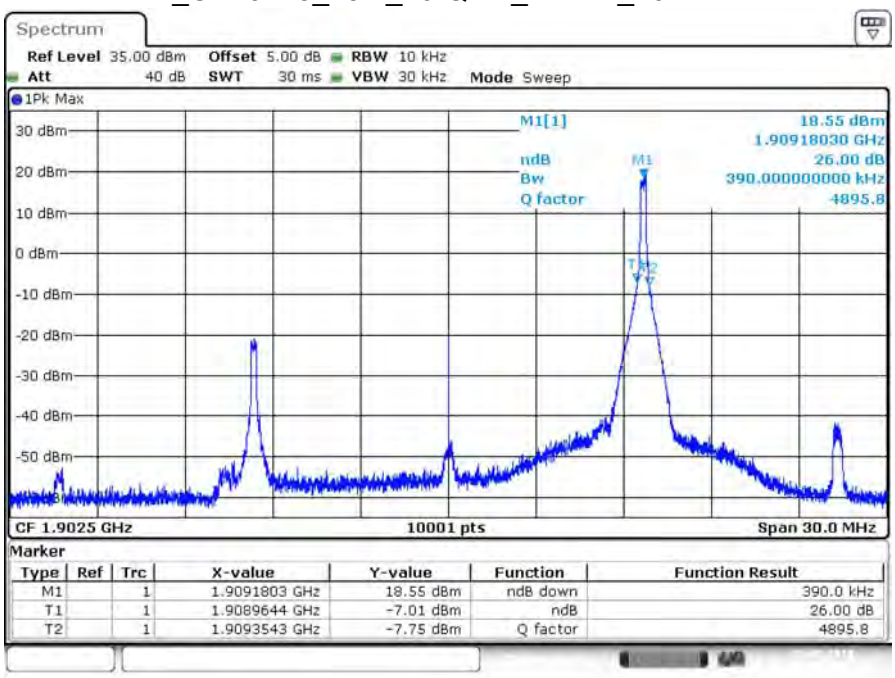
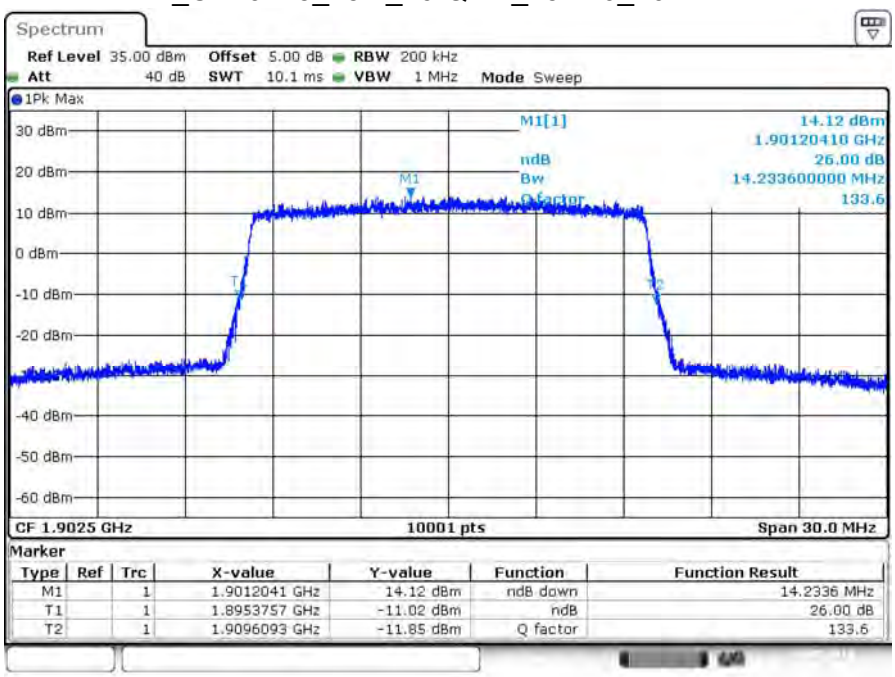


Date: 6.AUG.2019 15:00:12

B2_CH19125_15M_16-QAM_75RB0_26dB BW



Date: 6.AUG.2019 15:02:24

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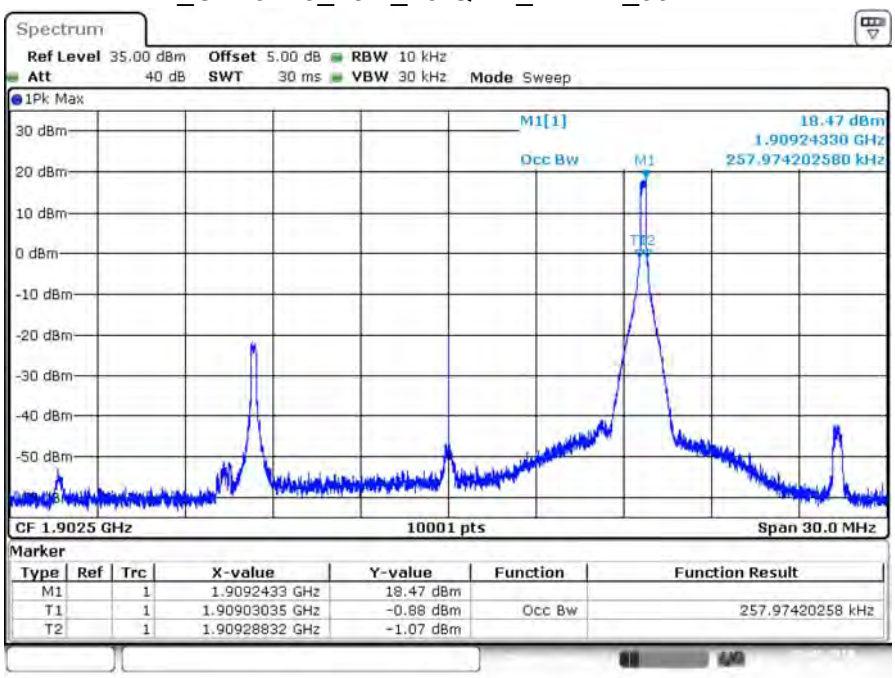

Date: 6.AUG.2019 15:00:40

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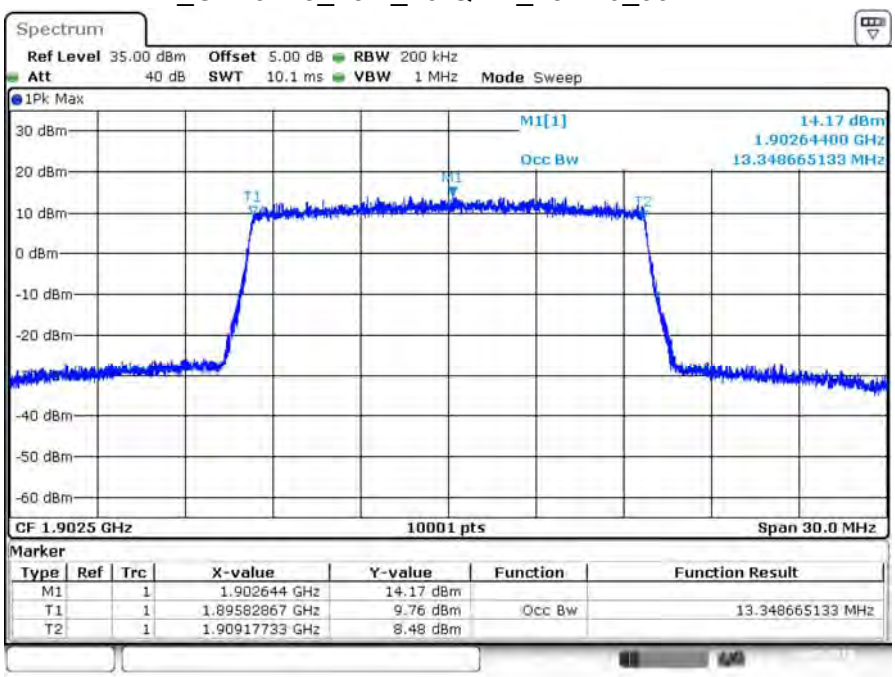

Date: 6.AUG.2019 15:01:39

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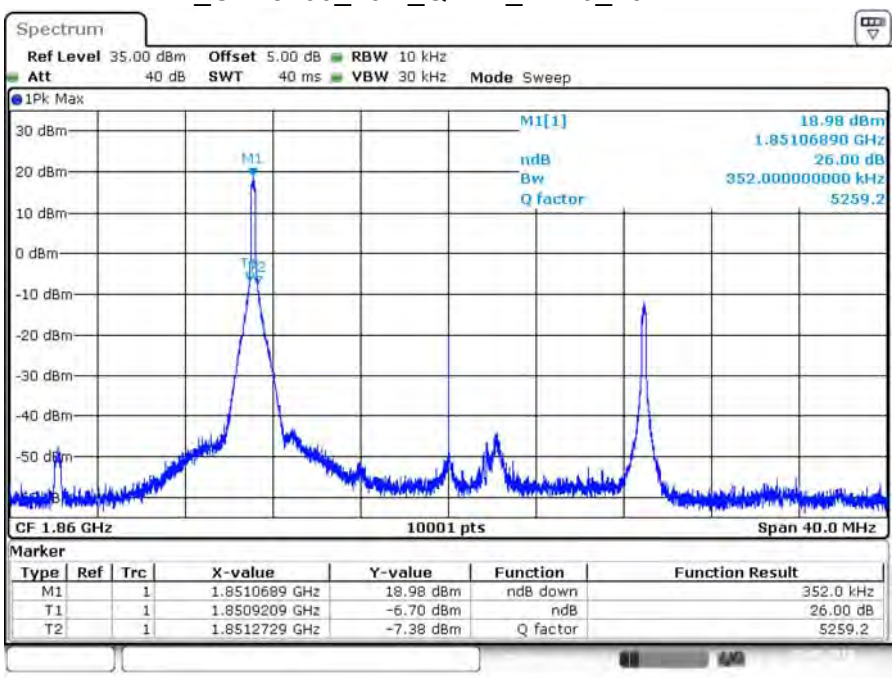

Date: 6.AUG.2019 15:19:08

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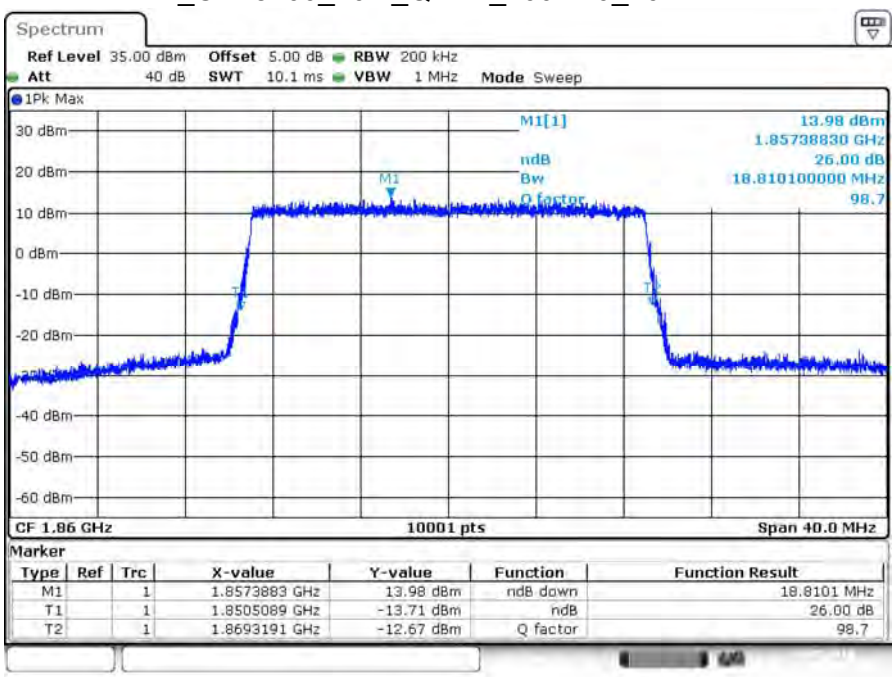

Date: 6.AUG.2019 15:25:18

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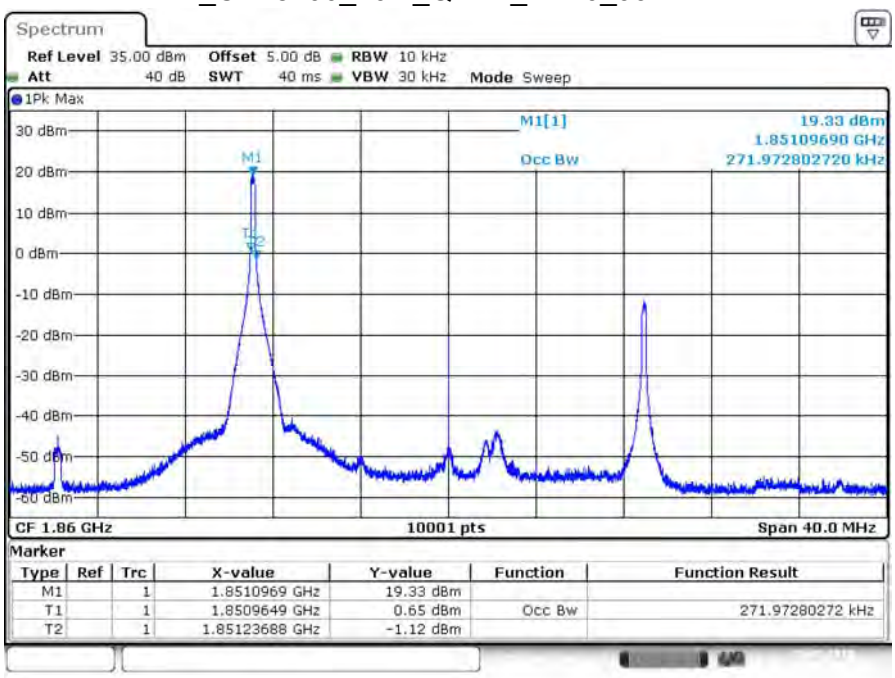

Date: 6.AUG.2019 15:18:03

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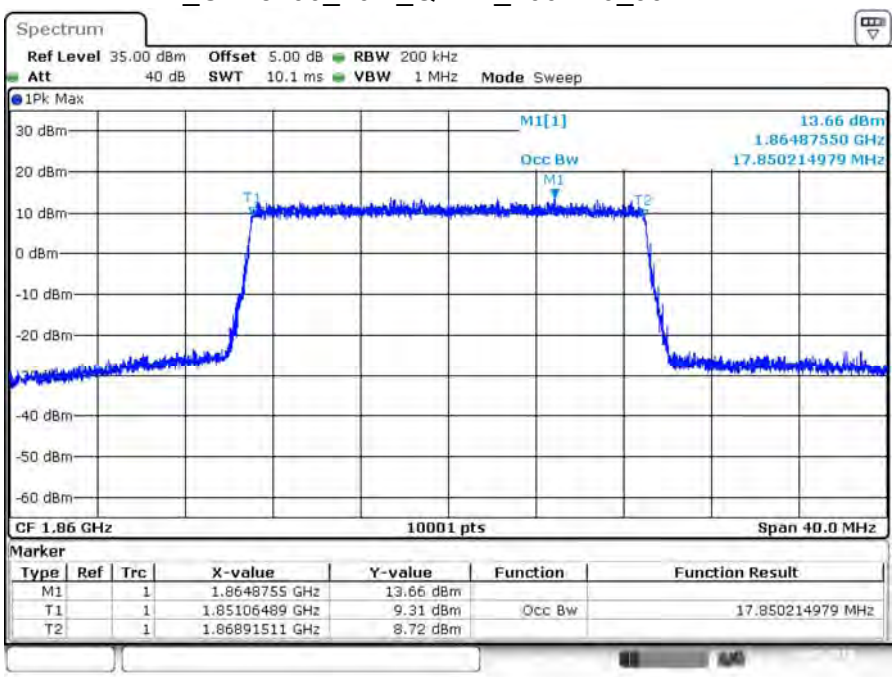
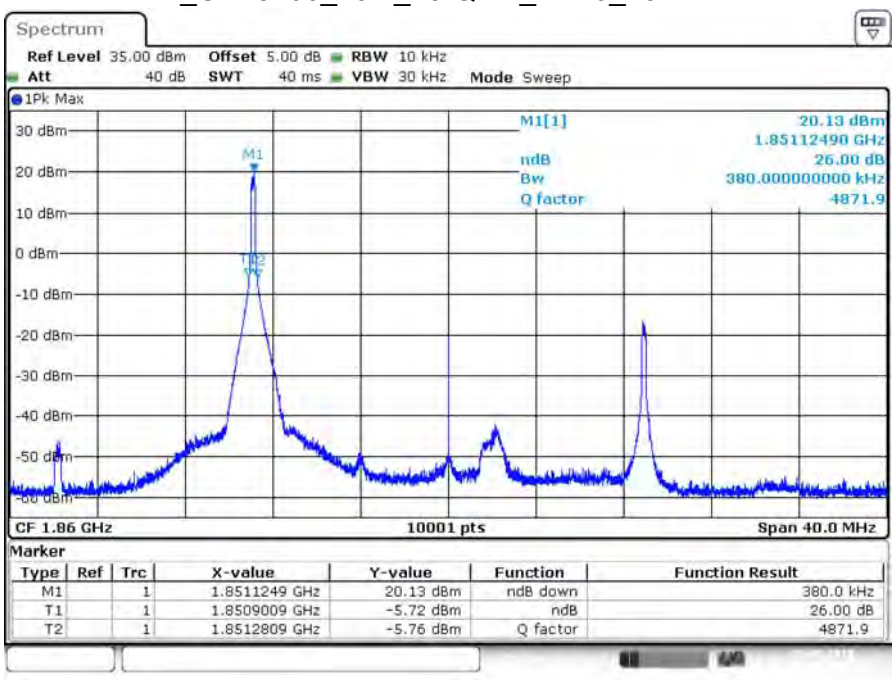


Date: 6.AUG.2019 15:25:41

B2_CH18700_20M_16-QAM_1RB0_26dB BW



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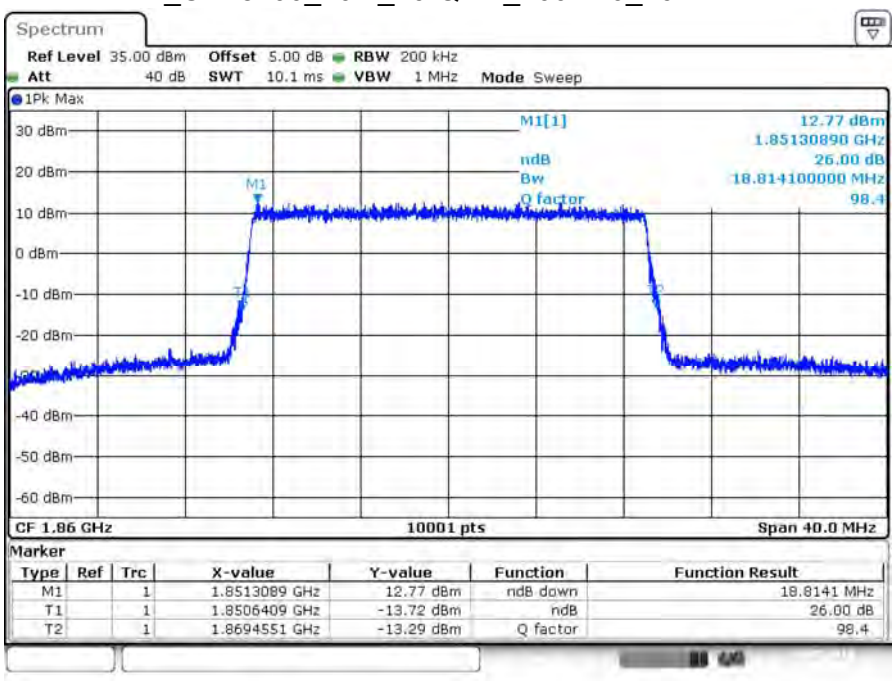
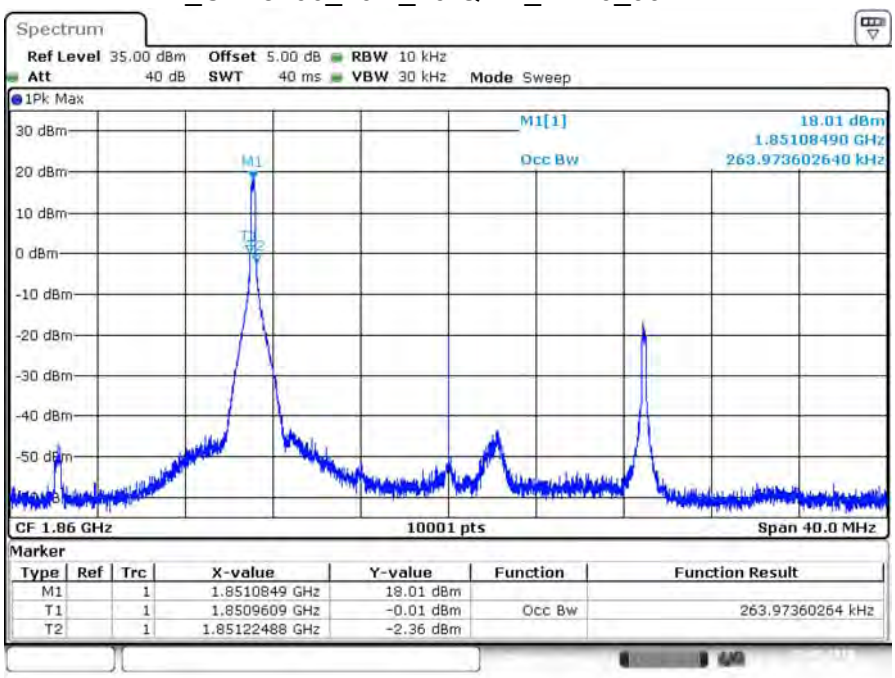


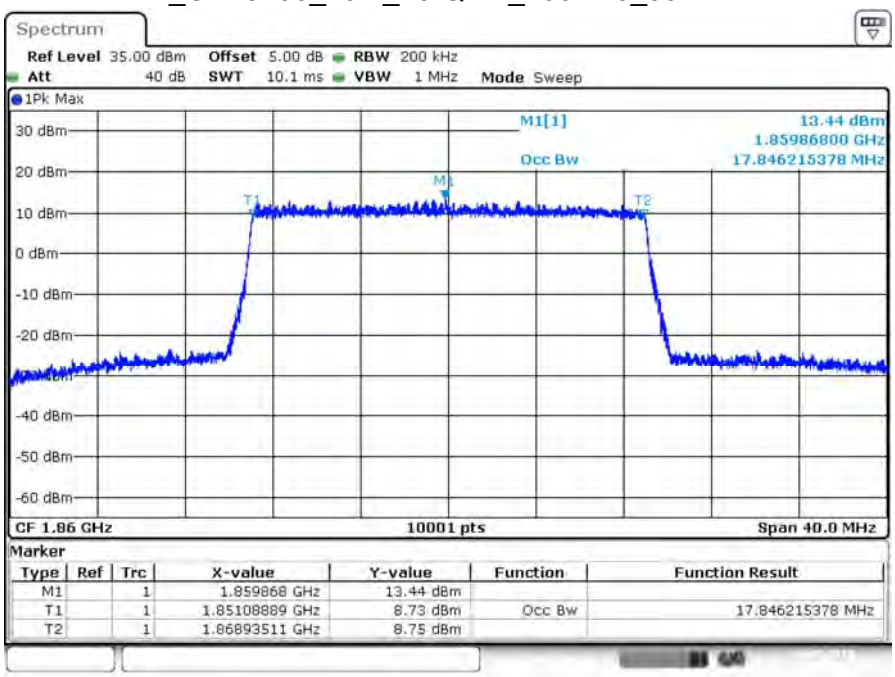
Date: 6.AUG.2019 15:24:49

B2_CH18700_20M_16-QAM_1RB0_99% BW



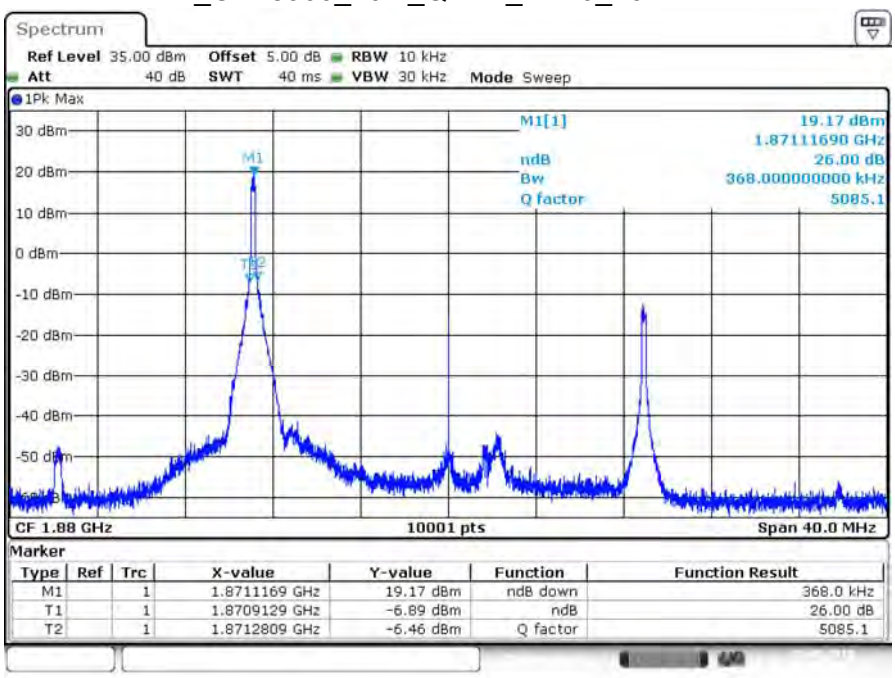
Date: 6.AUG.2019 15:23:05

B2_CH18700_20M_16-QAM_100RB0_99% BW



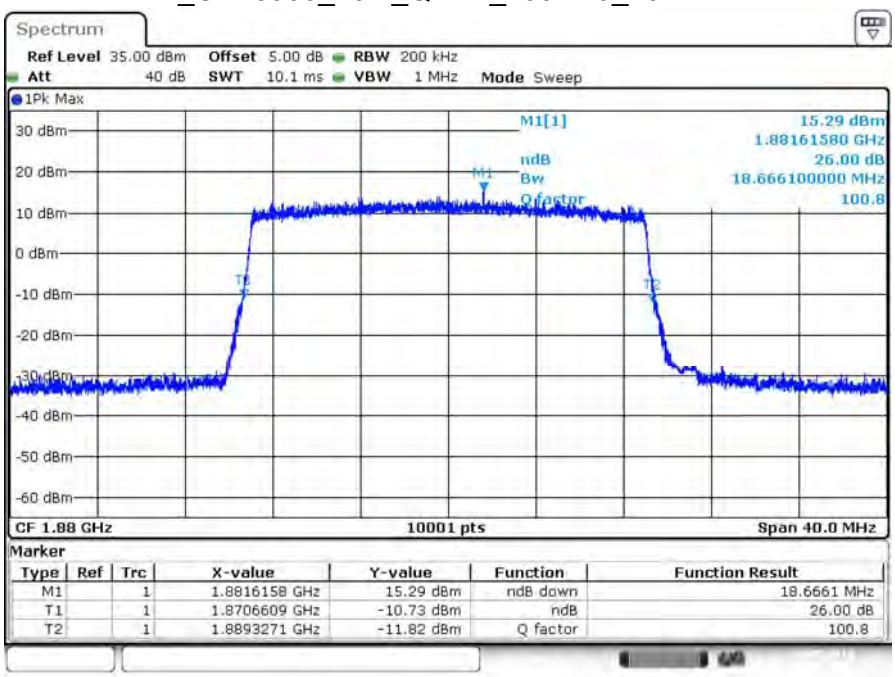
Date: 6.AUG.2019 15:24:05

B2_CH18900_20M_QPSK_1RB0_26dB BW



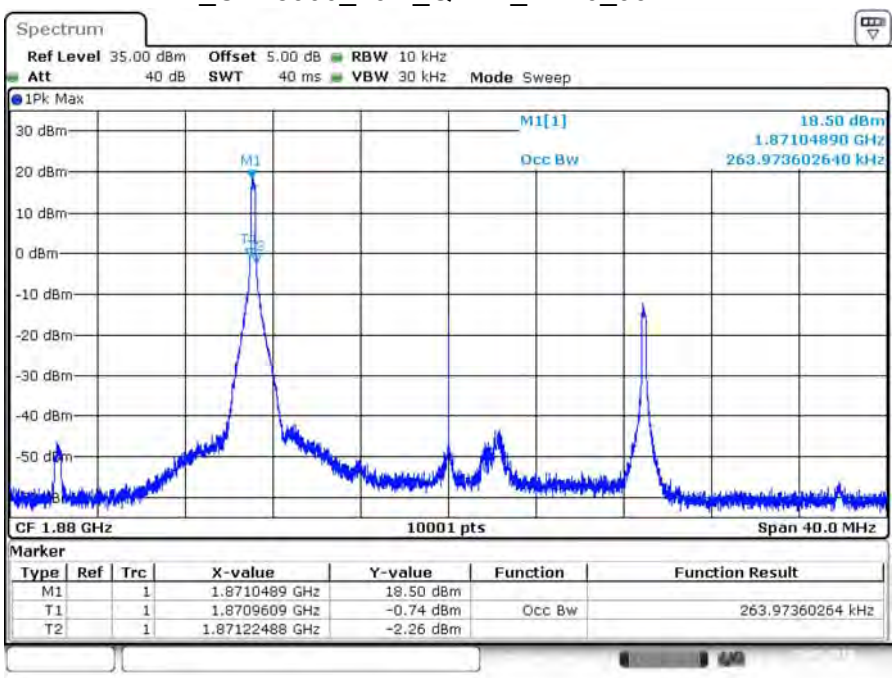
Date: 6.AUG.2019 15:29:37

B2_CH18900_20M_QPSK_100RB0_26dB BW



Date: 6.AUG.2019 15:26:47

B2_CH18900_20M_QPSK_1RB0_99% BW



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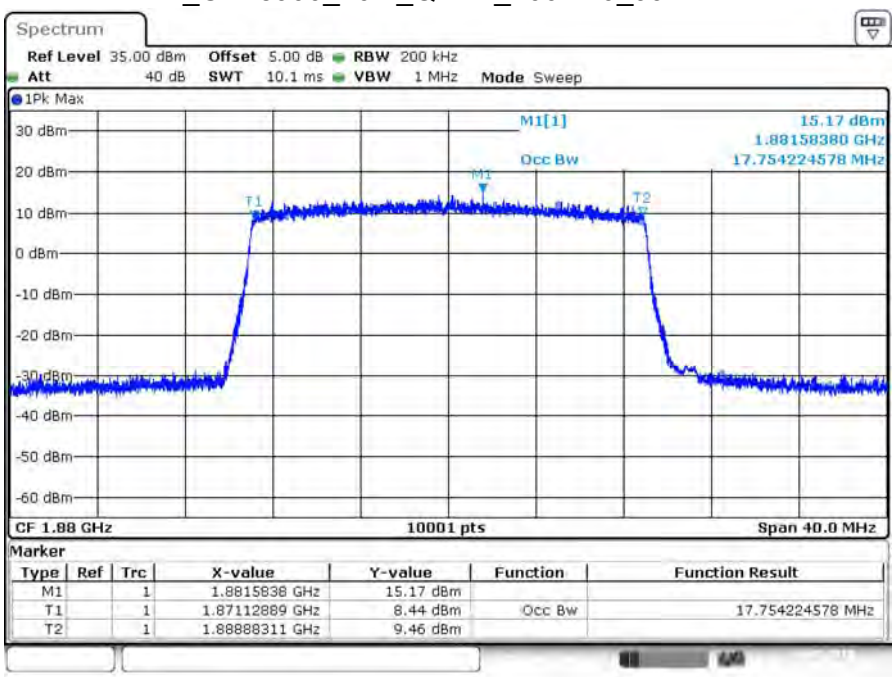

Date: 6.AUG.2019 15:26:15

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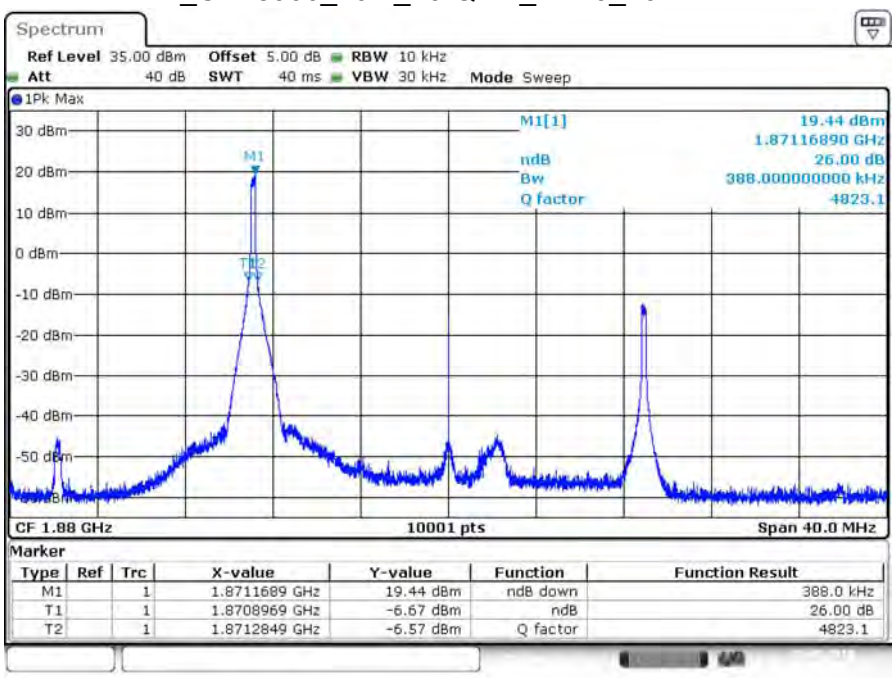
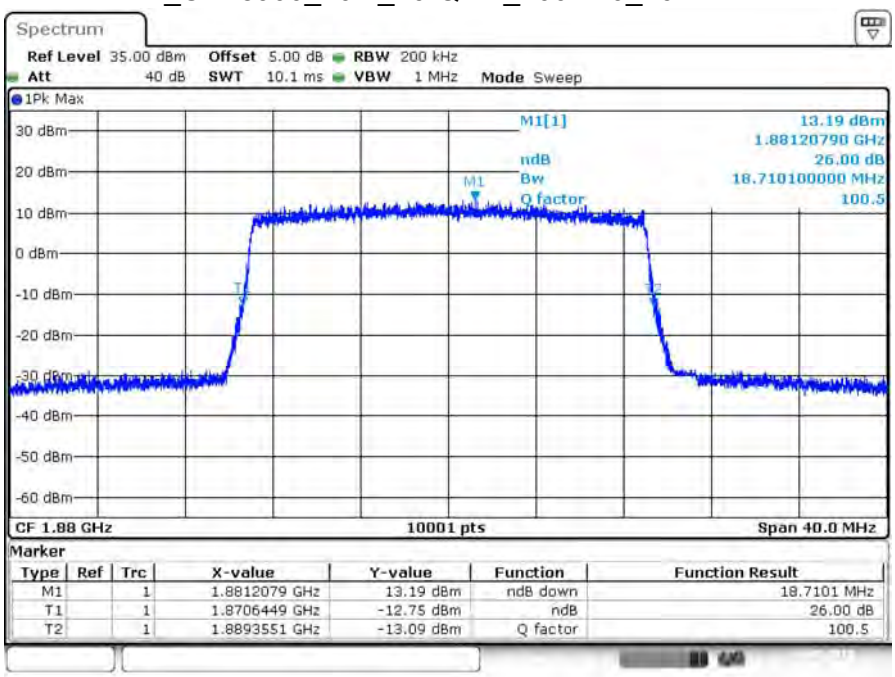


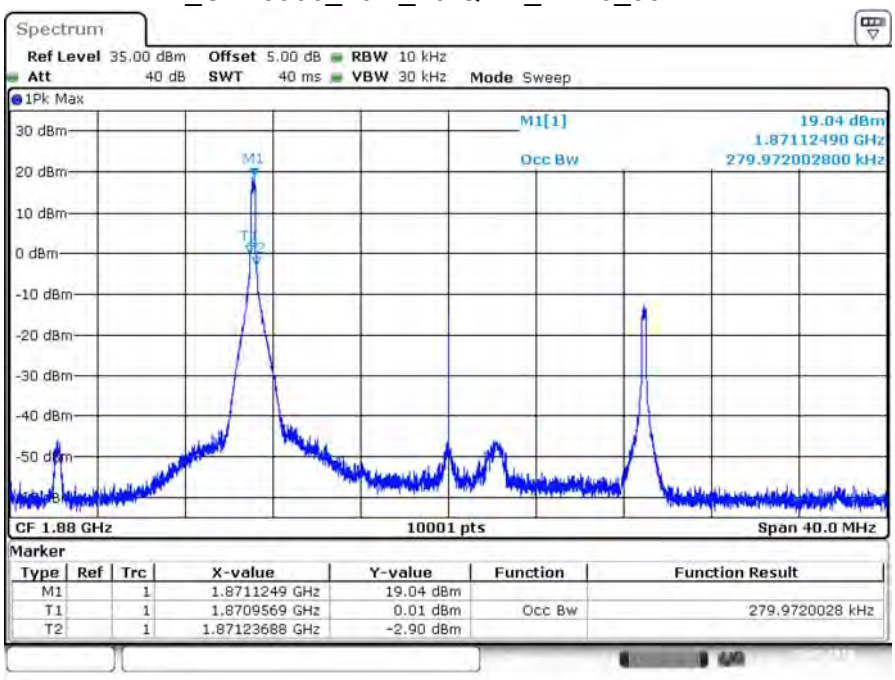
Date: 6.AUG.2019 15:29:13

B2_CH18900_20M_16-QAM_100RB0_26dB BW



Date: 6.AUG.2019 15:27:13

B2_CH18900_20M_16-QAM_1RB0_99% BW



Date: 6.AUG.2019 15:28:25

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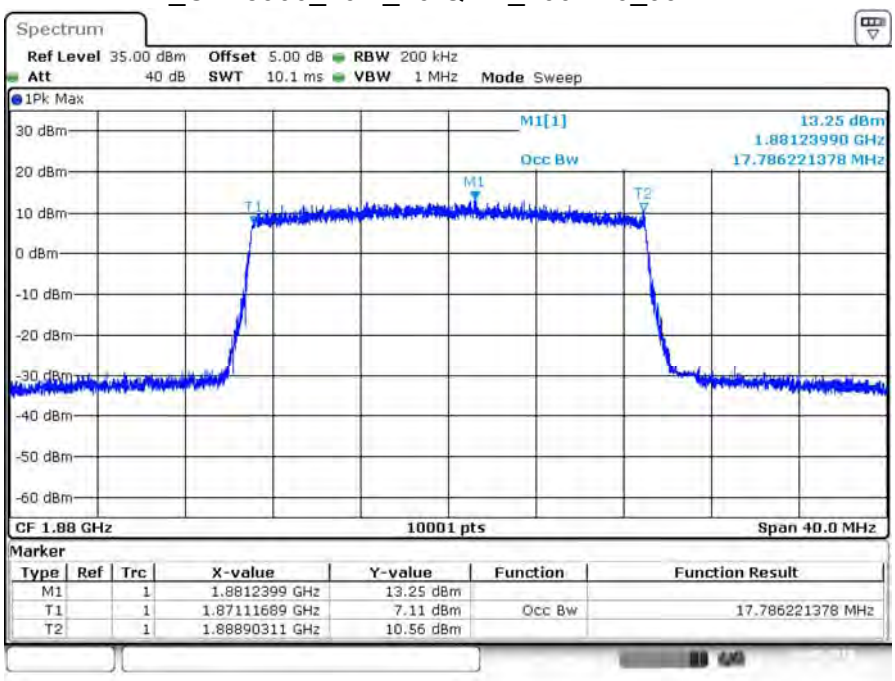
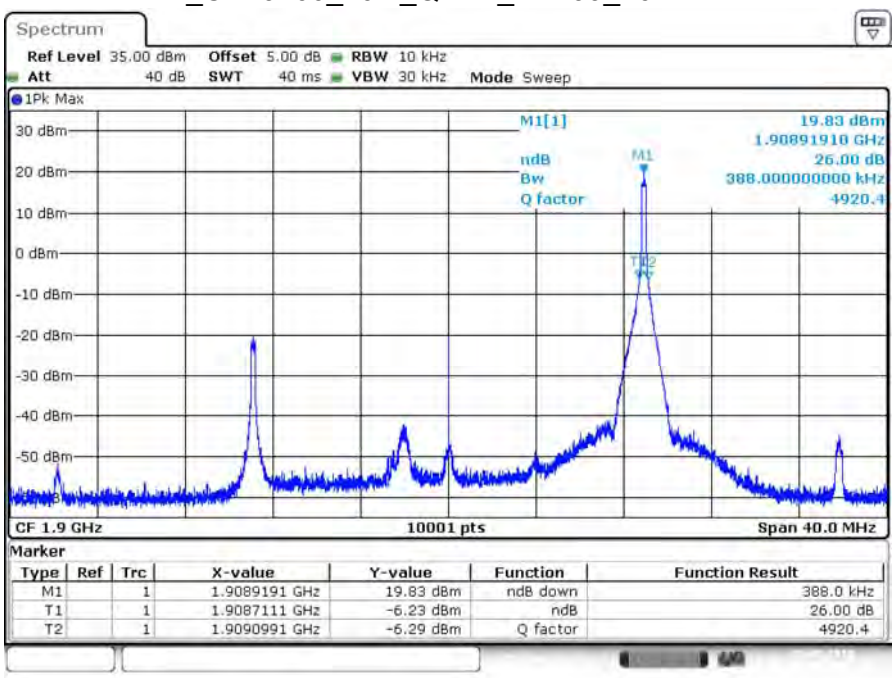


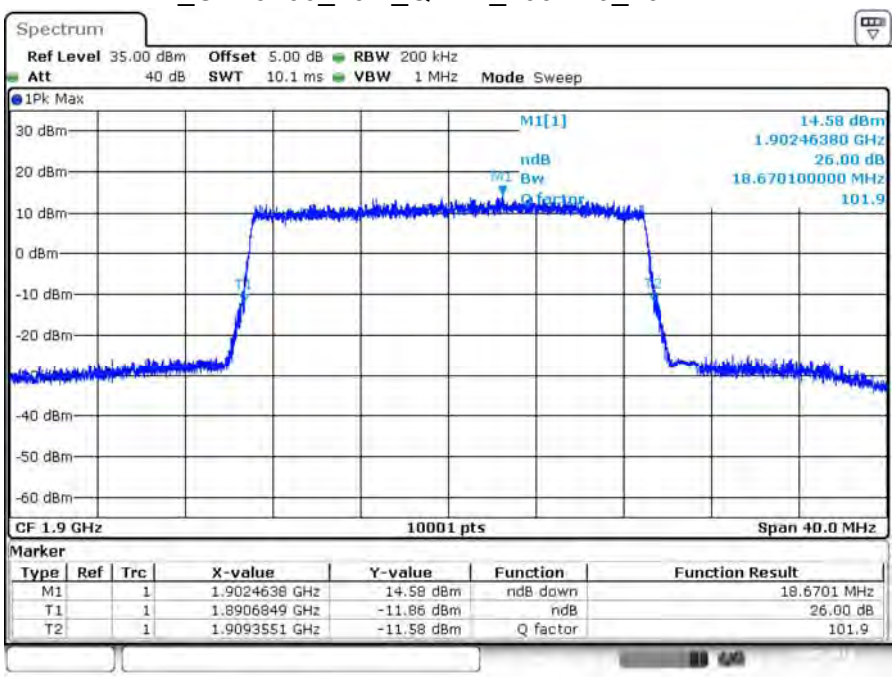
Date: 6.AUG.2019 15:27:35

B2_CH19100_20M_QPSK_1RB99_26dB BW



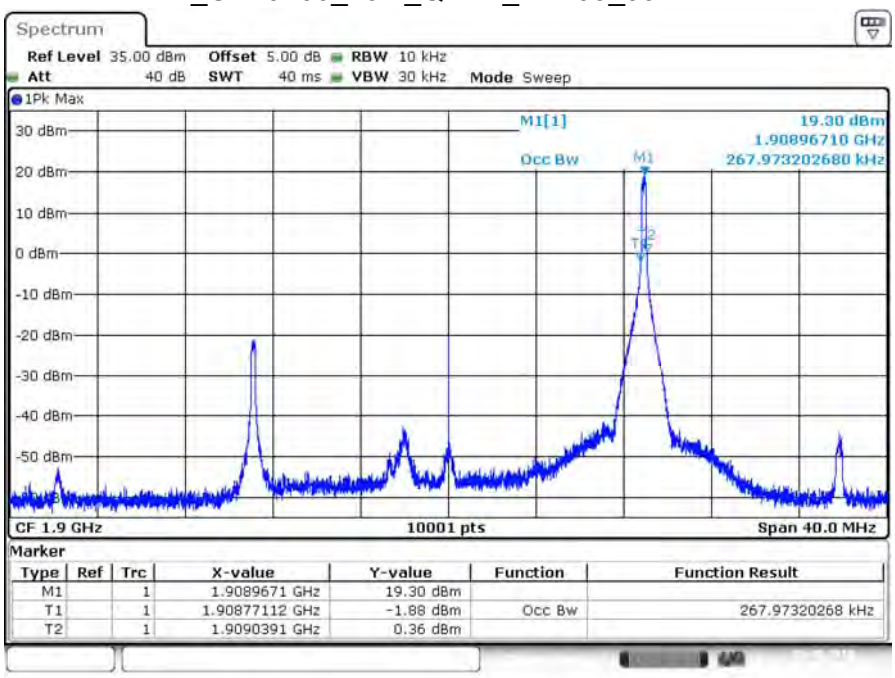
Date: 6.AUG.2019 15:31:38

B2_CH19100_20M_QPSK_100RB0_26dB BW



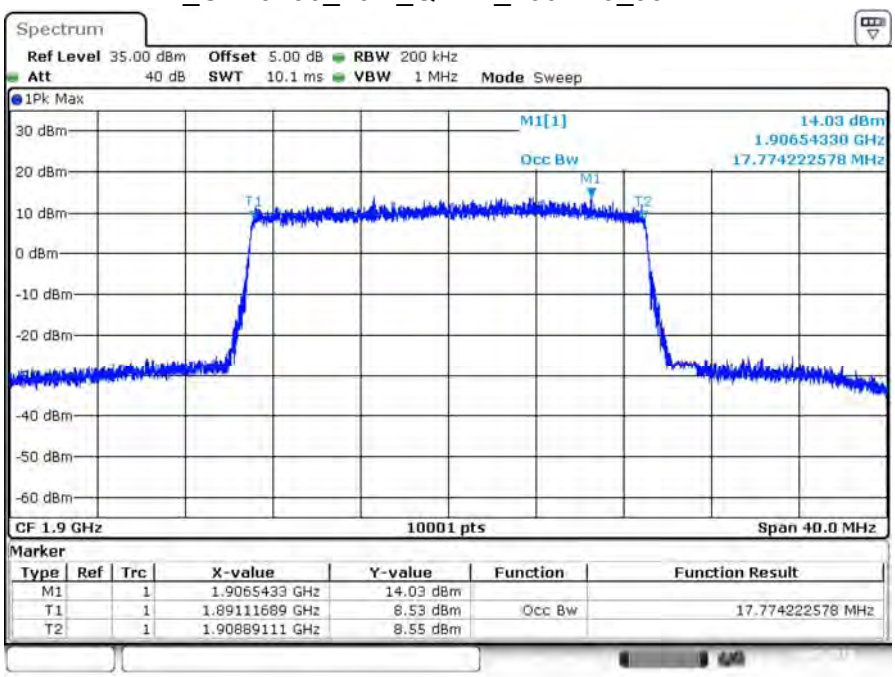
Date: 6.AUG.2019 15:34:28

B2_CH19100_20M_QPSK_1RB99_99% BW



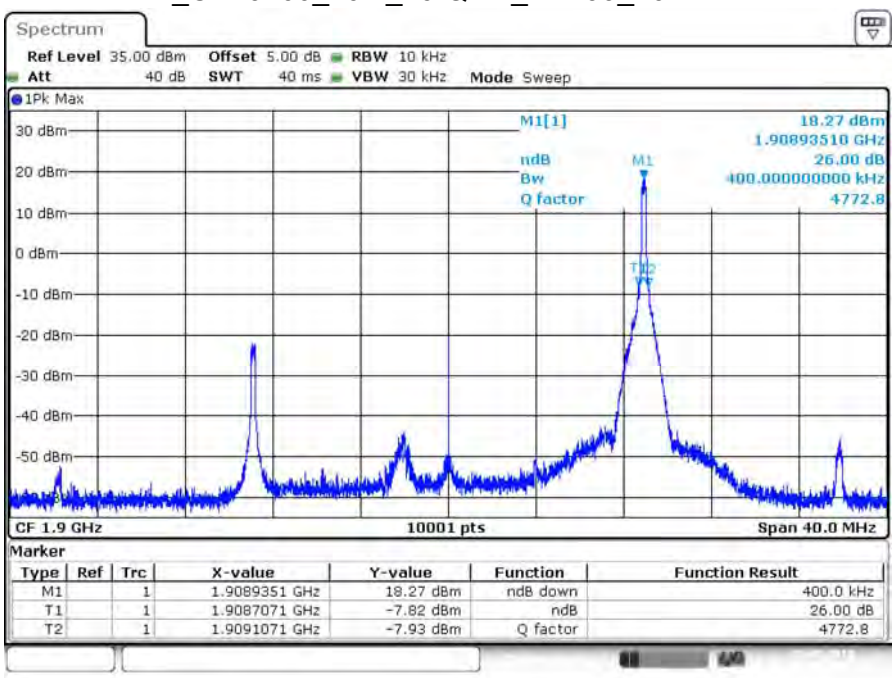
Date: 6.AUG.2019 15:31:01

B2_CH19100_20M_QPSK_100RB0_99% BW



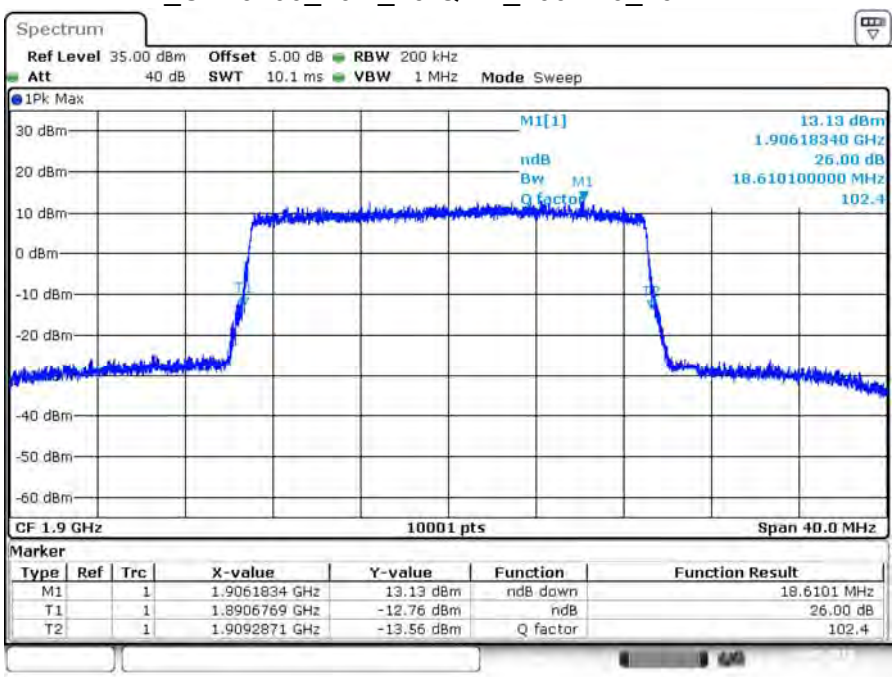
Date: 6.AUG.2019 15:34:50

B2_CH19100_20M_16-QAM_1RB99_26dB BW



Date: 6.AUG.2019 15:32:12

B2_CH19100_20M_16-QAM_100RB0_26dB BW



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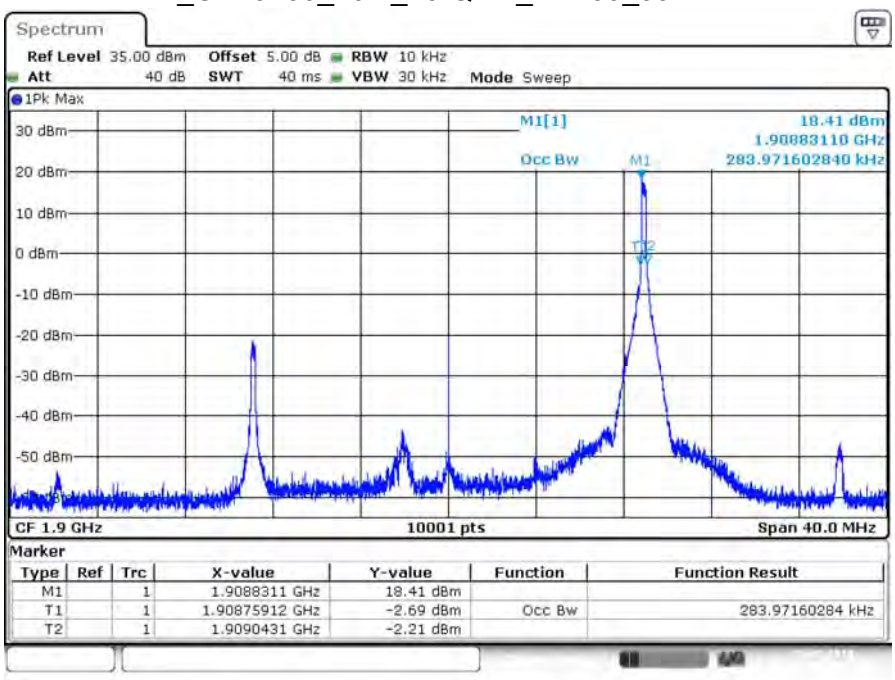
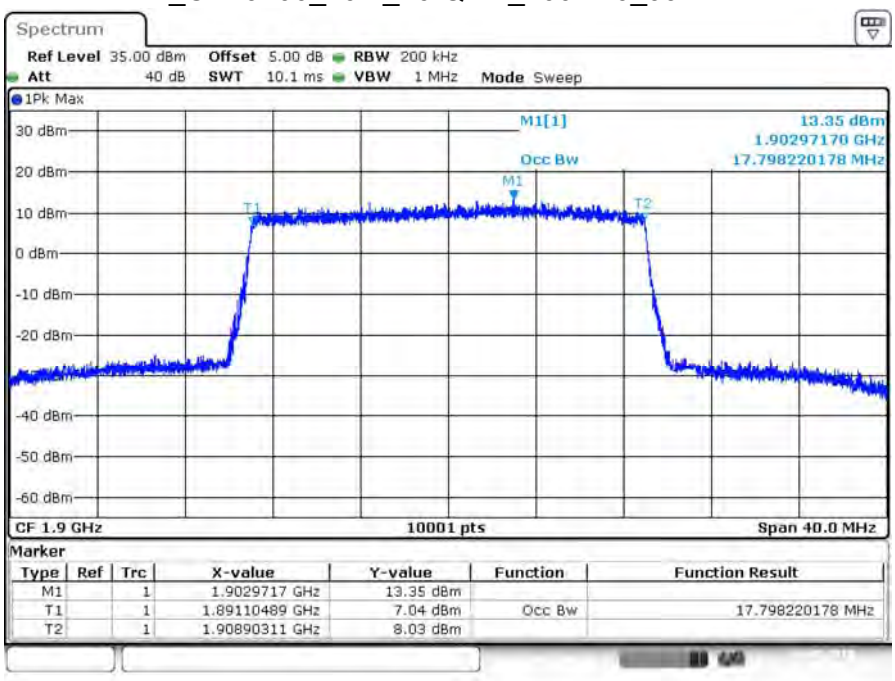
B2_CH19100_20M_16-QAM_1RB99_99% BW



Date: 6.AUG.2019 15:32:39

B2_CH19100_20M_16-QAM_100RB0_99% BW



Date: 6.AUG.2019 15:33:28

Product	Module		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: LTE Band 4		
Date of Test	2019/08/07~2019/08/08	Test Site	SR10-H

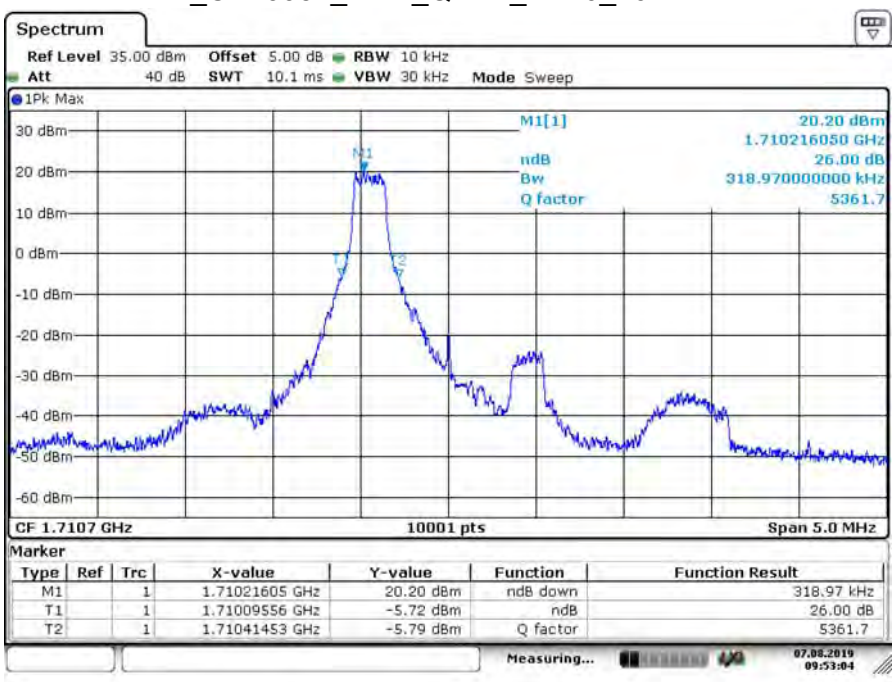
LTE Band 4_1RB Low/high					
Band width (MHz)	Modulation	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
			26dB BW	99% BW	
1.4M	QPSK	1710.7	0.318	0.211	N/A
		1732.5	0.322	0.208	N/A
		1754.3	0.323	0.210	N/A
	16-QAM	1710.7	0.320	0.211	N/A
		1732.5	0.337	0.222	N/A
		1754.3	0.331	0.212	N/A
3M	QPSK	1711.5	0.328	0.212	N/A
		1732.5	0.324	0.216	N/A
		1753.5	0.323	0.213	N/A
	16-QAM	1711.5	0.326	0.206	N/A
		1732.5	0.292	0.205	N/A
		1753.5	0.353	0.217	N/A
5M	QPSK	1712.5	0.364	0.229	N/A
		1732.5	0.338	0.214	N/A
		1752.2	0.341	0.228	N/A
	16-QAM	1712.5	0.355	0.218	N/A
		1732.5	0.395	0.241	N/A
		1752.2	0.374	0.224	N/A
10M	QPSK	1715	0.390	0.245	N/A
		1732.5	0.374	0.237	N/A
		1750	0.368	0.225	N/A
	16-QAM	1715	0.396	0.233	N/A
		1732.5	0.354	0.249	N/A
		1750	0.368	0.235	N/A

LTE Band 4_1RB Low/high					
Band width (MHz)	Modulation	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
			26dB BW	99% BW	
15M	QPSK	1717.5	0.393	0.242	N/A
		1732.5	0.378	0.245	N/A
		1747.5	0.369	0.248	N/A
	16-QAM	1717.5	0.390	0.263	N/A
		1732.5	0.405	0.275	N/A
		1747.5	0.381	0.263	N/A
20M	QPSK	1720	0.412	0.263	N/A
		1732.5	0.388	0.251	N/A
		1745	0.400	0.263	N/A
	16-QAM	1720	0.380	0.259	N/A
		1732.5	0.396	0.263	N/A
		1745	0.408	0.279	N/A

LTE Band 4_Full RB					
Band width (MHz)	Modulation	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
			26dB BW	99% BW	
1.4M	QPSK	1710.7	1.289	1.092	N/A
		1732.5	1.294	1.100	N/A
		1754.3	1.276	1.098	N/A
	16-QAM	1710.7	1.301	1.098	N/A
		1732.5	1.280	1.097	N/A
		1754.3	1.282	1.096	N/A
3M	QPSK	1711.5	2.925	2.684	N/A
		1732.5	2.901	2.688	N/A
		1753.5	2.925	2.687	N/A
	16-QAM	1711.5	2.934	2.681	N/A
		1732.5	2.945	2.682	N/A
		1753.5	2.933	2.681	N/A
5M	QPSK	1712.5	4.886	4.465	N/A
		1732.5	4.924	4.478	N/A
		1752.2	4.870	4.470	N/A
	16-QAM	1712.5	4.889	4.473	N/A
		1732.5	4.847	4.465	N/A
		1752.2	4.863	4.478	N/A
10M	QPSK	1715	9.483	8.931	N/A
		1732.5	9.601	8.933	N/A
		1750	9.525	8.921	N/A
	16-QAM	1715	9.571	8.917	N/A
		1732.5	9.495	8.929	N/A
		1750	9.453	8.921	N/A

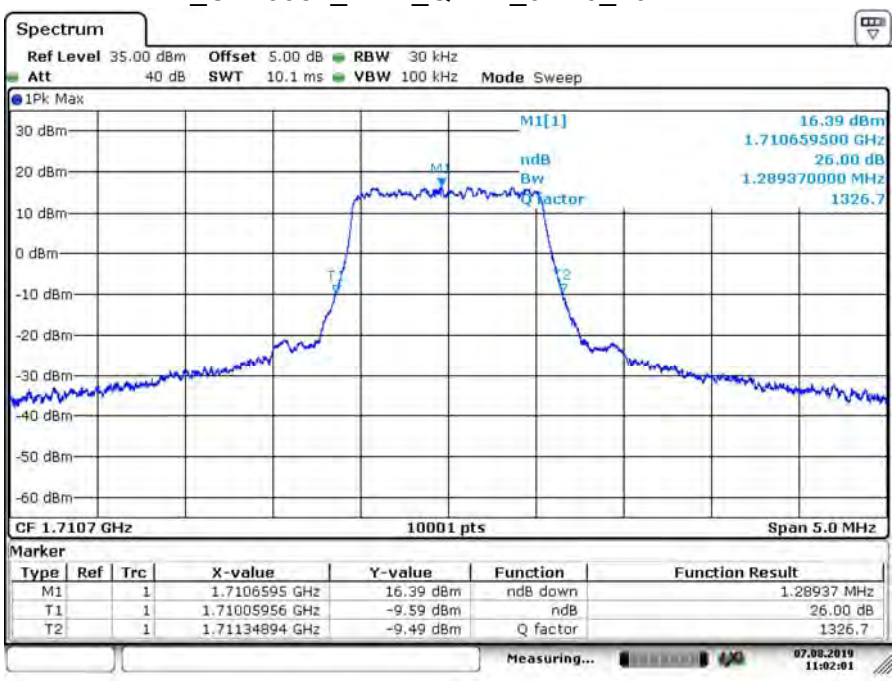
LTE Band 4_Full RB					
Band width (MHz)	Modulation	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
			26dB BW	99% BW	
15M	QPSK	1717.5	14.386	13.369	N/A
		1732.5	14.470	13.372	N/A
		1747.5	14.269	13.375	N/A
	16-QAM	1717.5	14.260	13.363	N/A
		1732.5	14.380	13.390	N/A
		1747.5	14.449	13.378	N/A
20M	QPSK	1720	19.094	17.846	N/A
		1732.5	18.754	18.874	N/A
		1745	19.066	17.782	N/A
	16-QAM	1720	18.978	17.818	N/A
		1732.5	18.870	17.834	N/A
		1745	19.022	17.794	N/A

B4_CH19957_1.4M_QPSK_1RB0_26dB BW



Date: 7.AUG.2019 09:53:04

B4_CH19957_1.4M_QPSK_6RB0_26dB BW



Date: 7.AUG.2019 11:02:01

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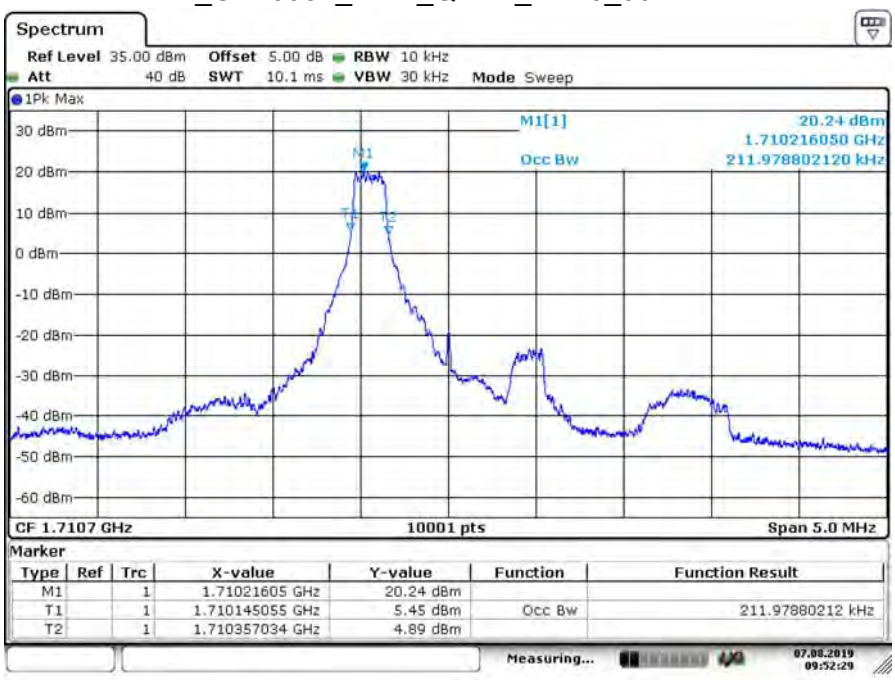

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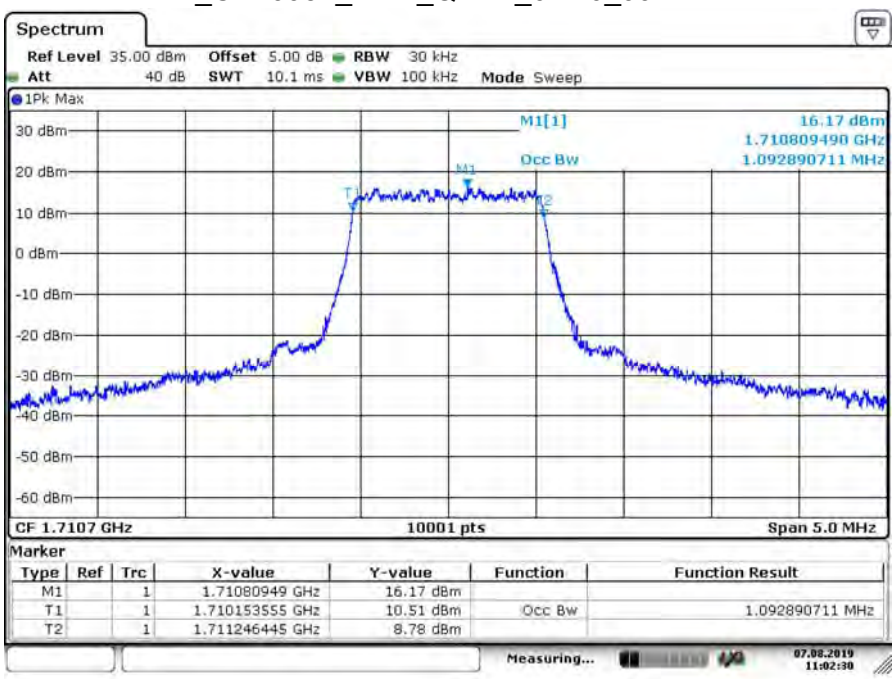

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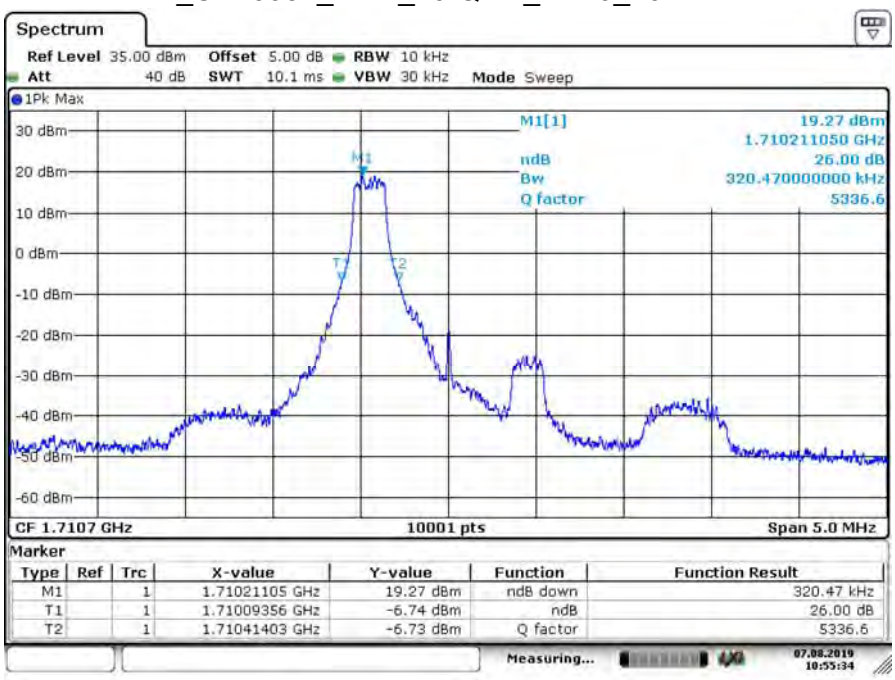

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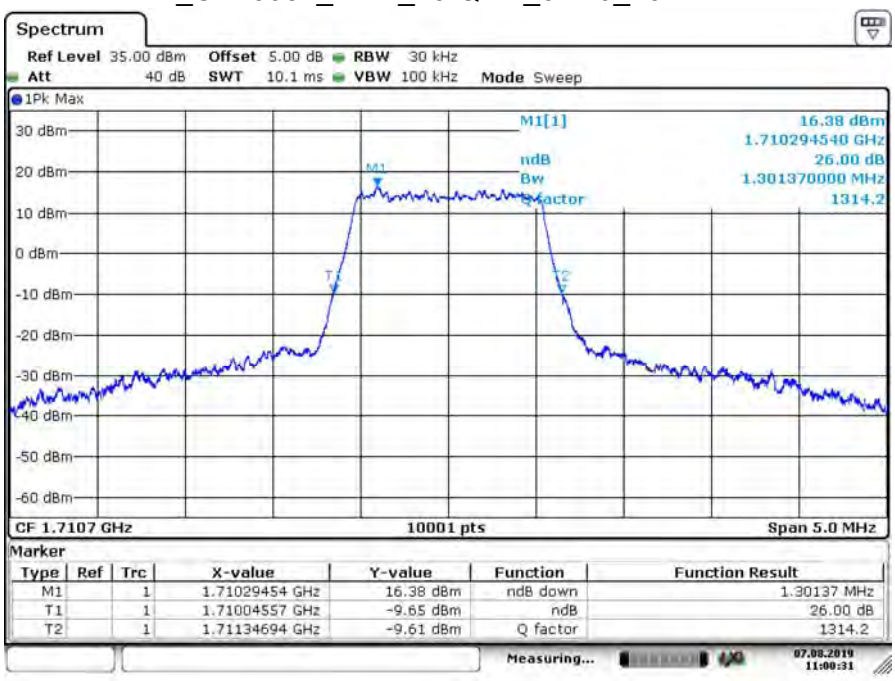

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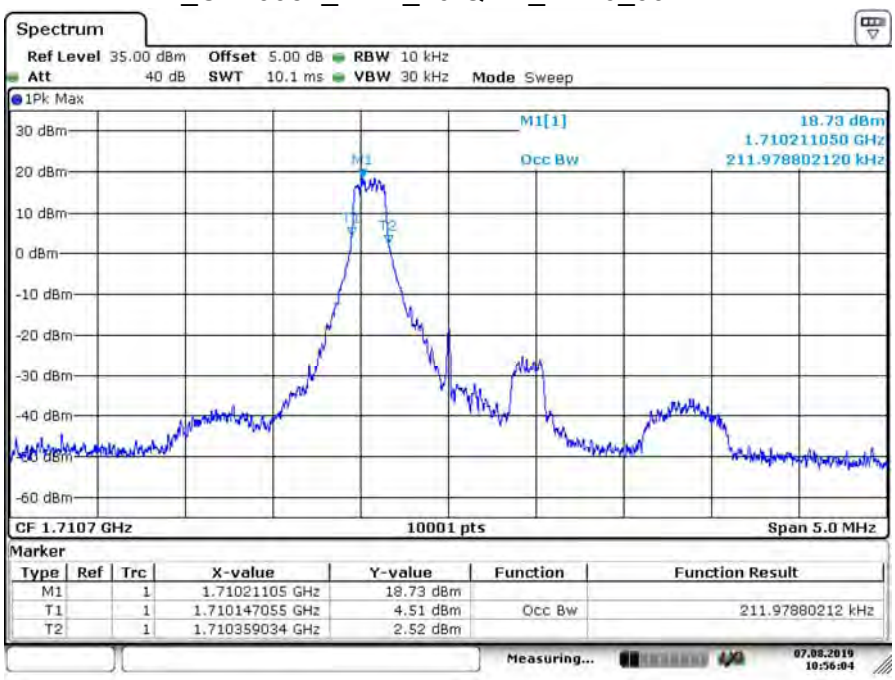

Date: 7.AUG.2019 10:56:04

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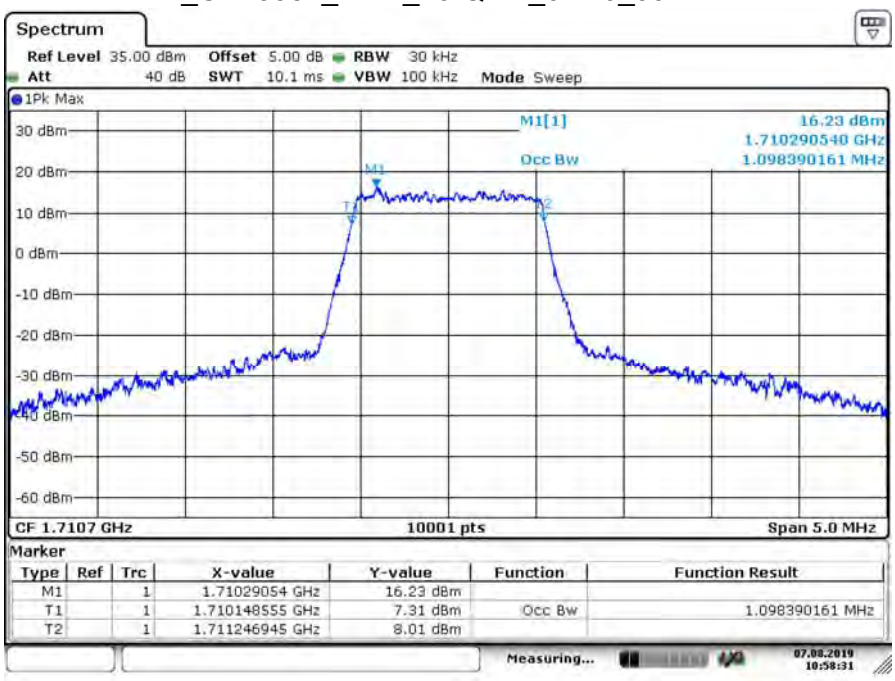

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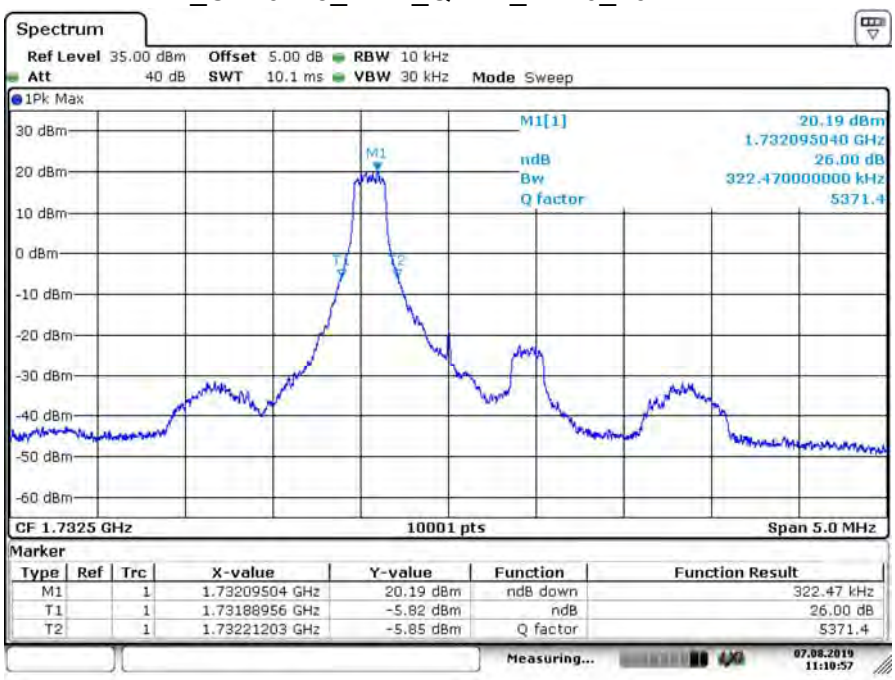

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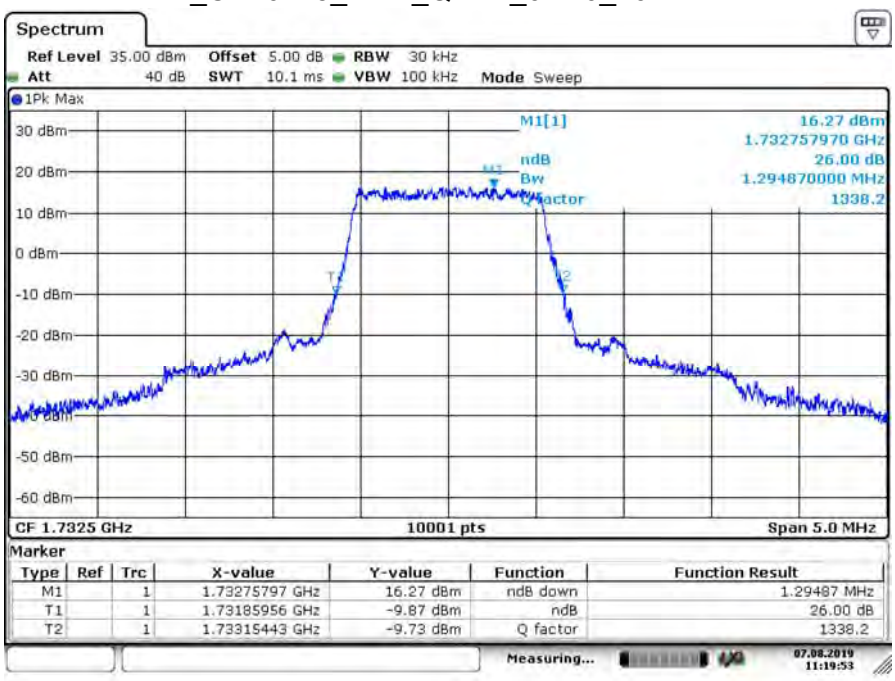

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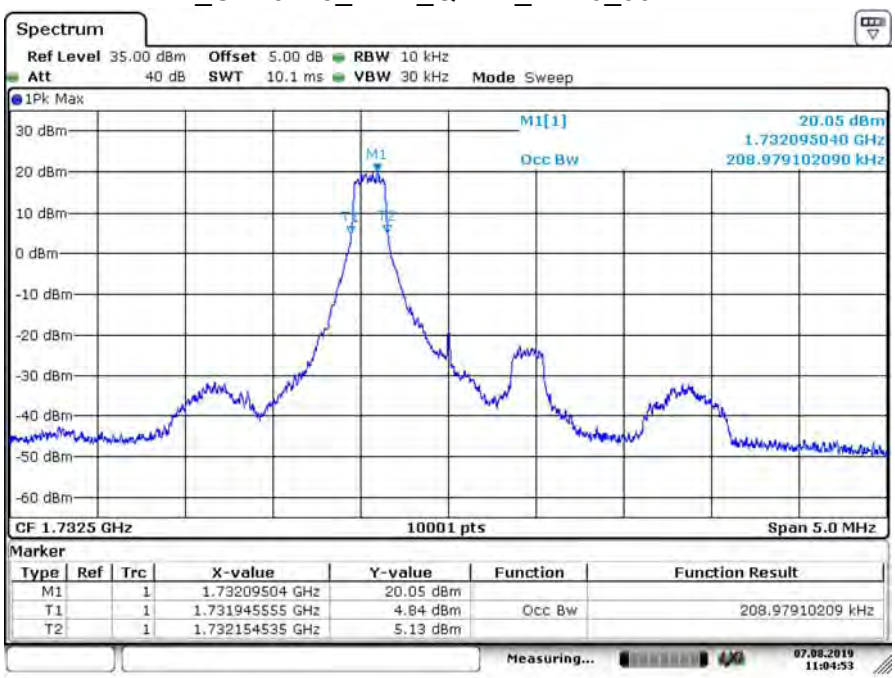

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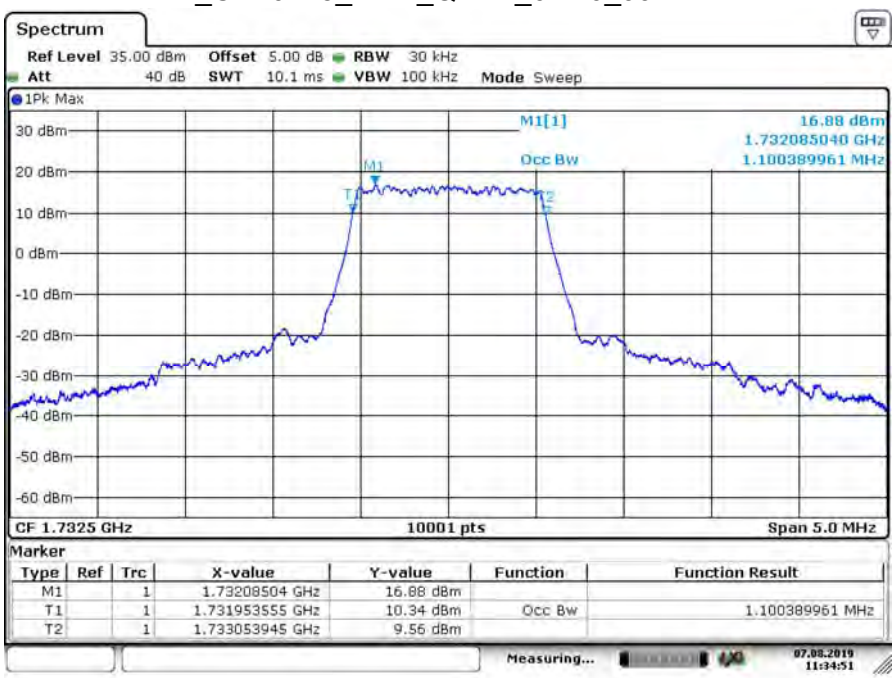

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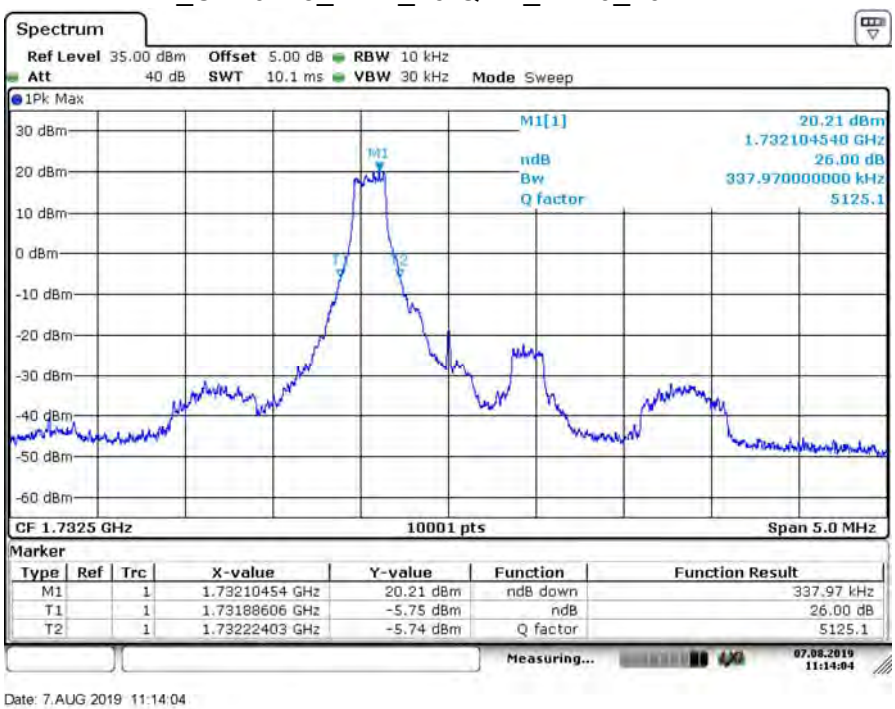

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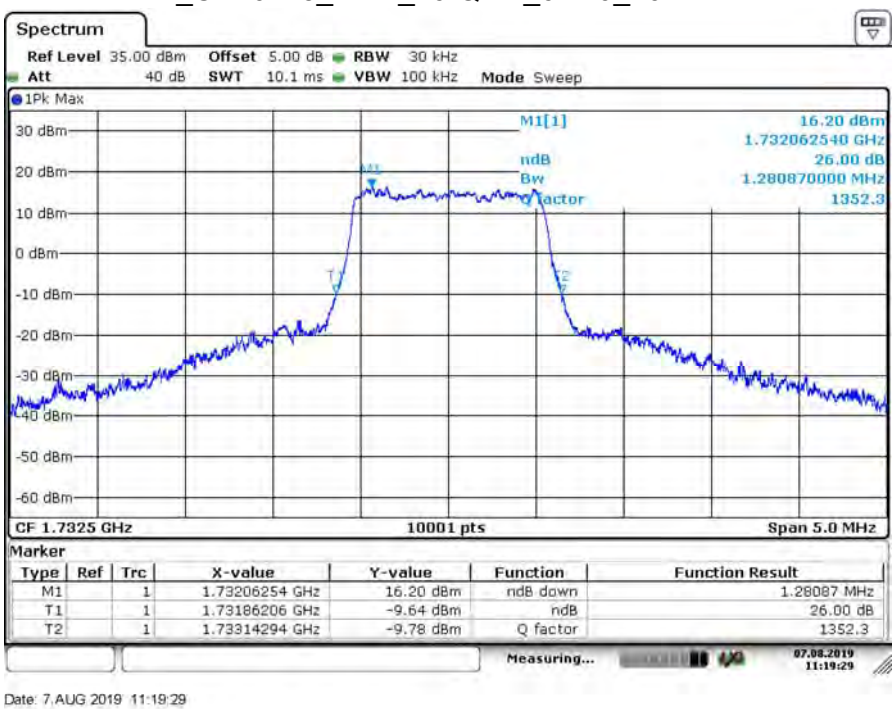

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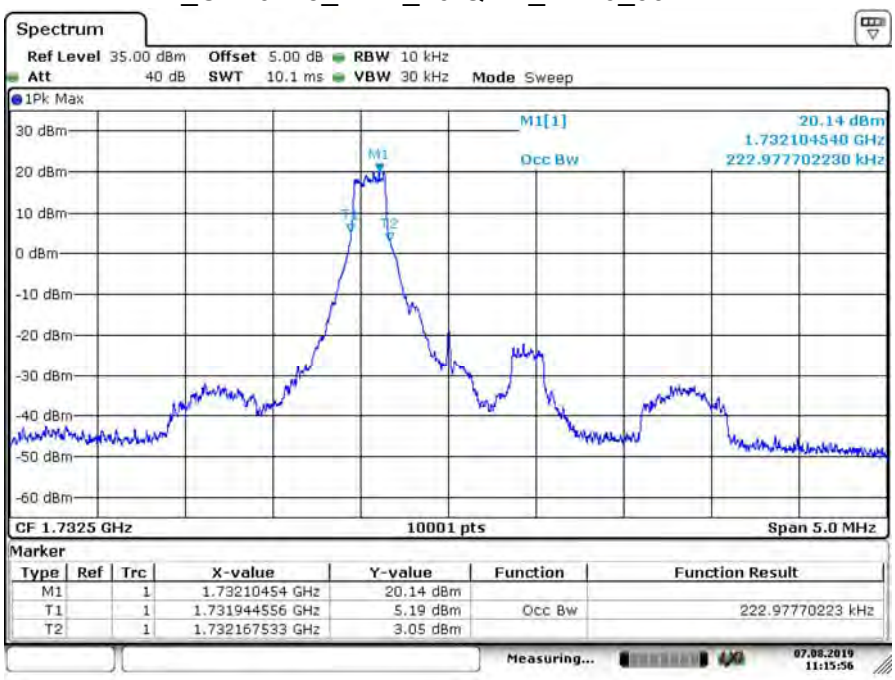

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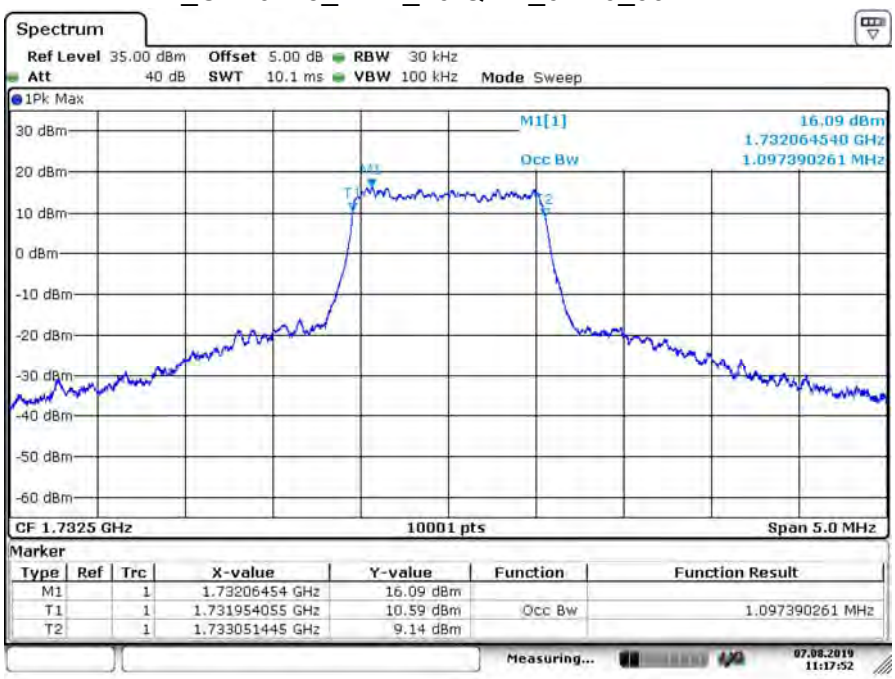

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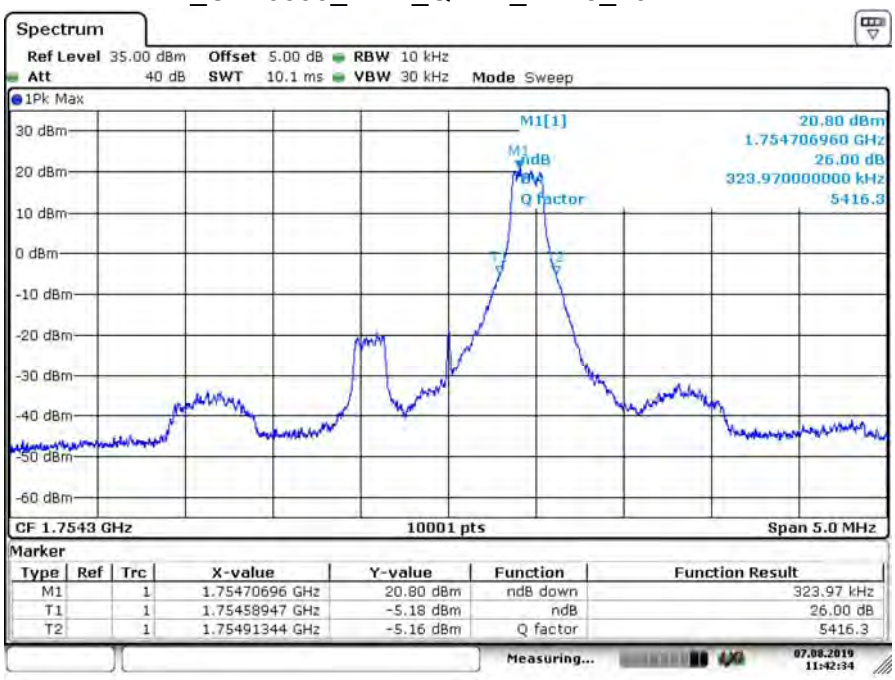
B4_CH20393_1.4M_QPSK_1RB5_26dB BW



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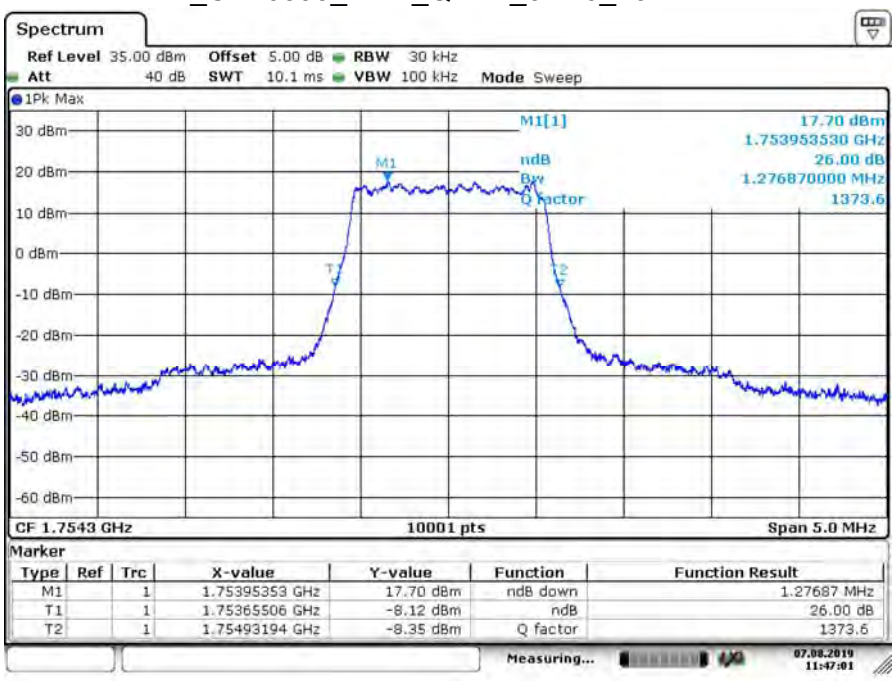
B4_CH20393_1.4M_QPSK_6RB0_26dB BW



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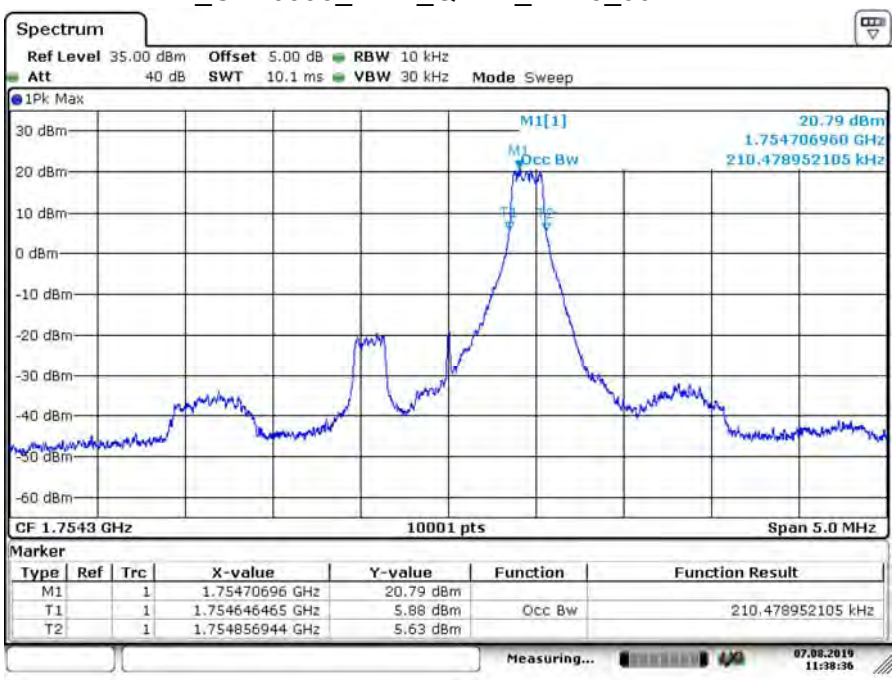

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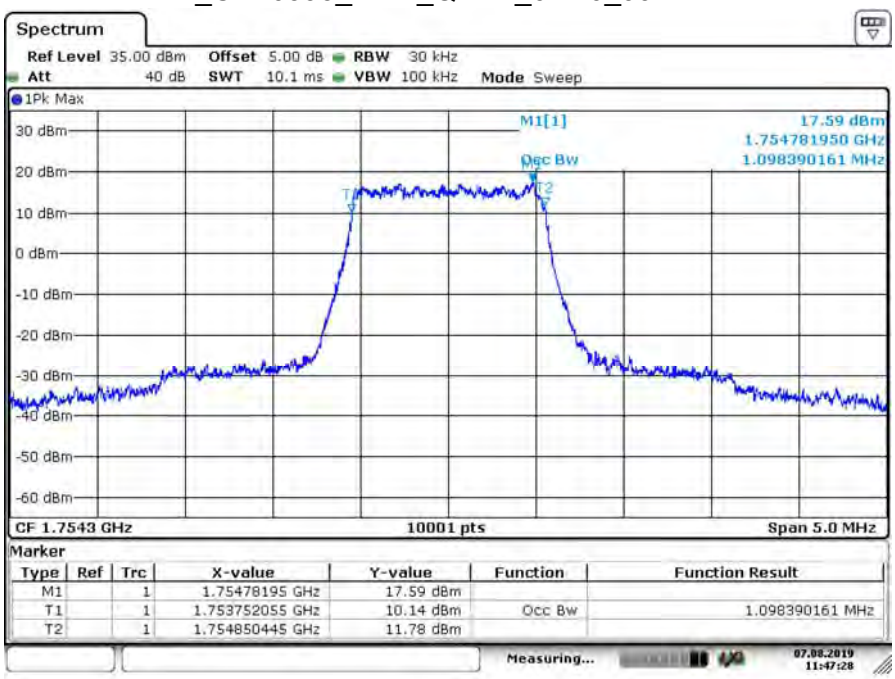
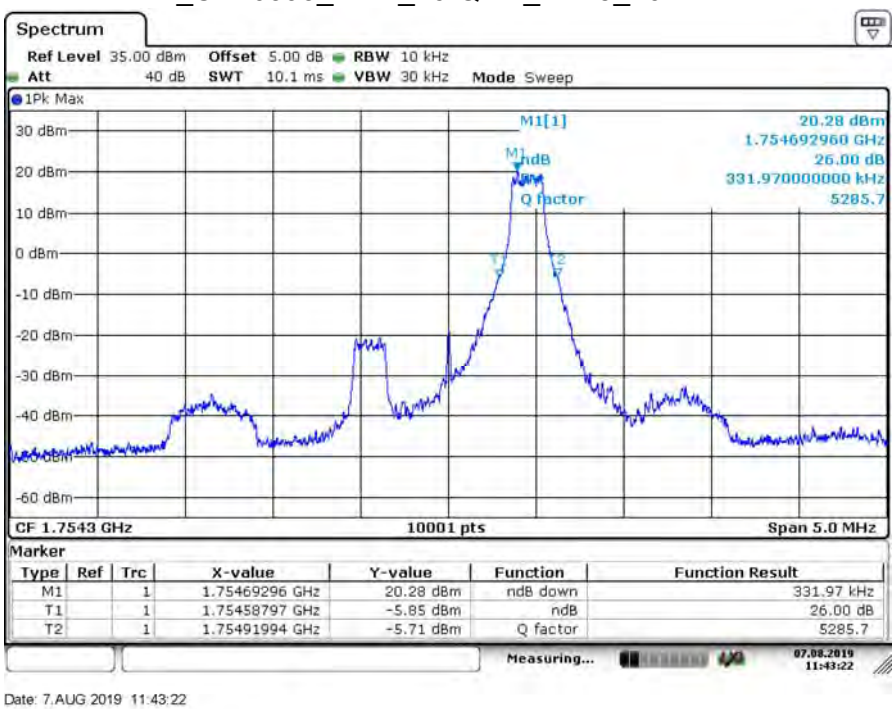


Date: 7.AUG.2019 11:47:28

B4_CH20393_1.4M_16-QAM_1RB5_26dB BW



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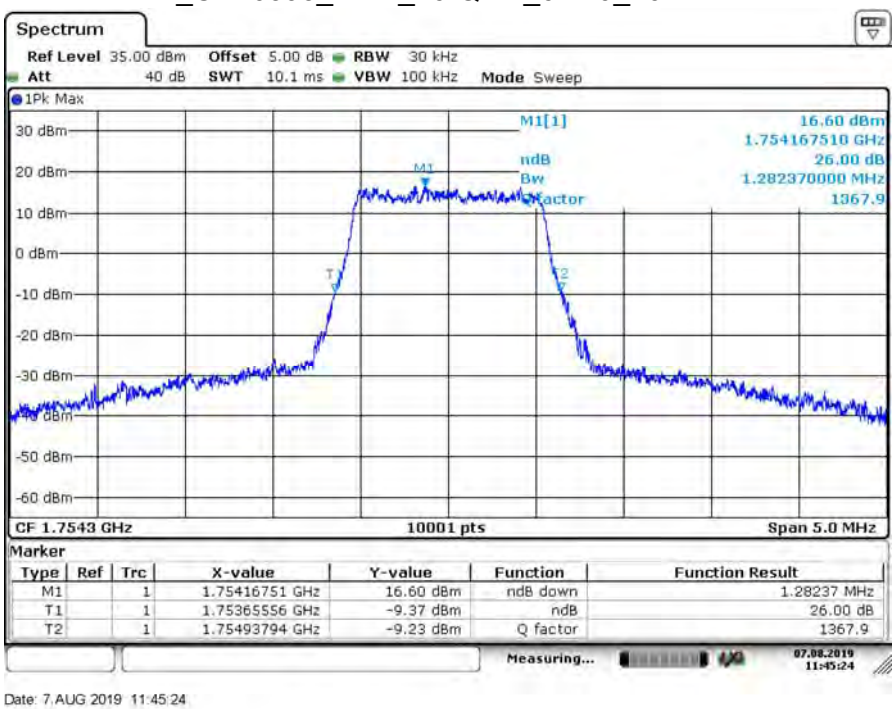

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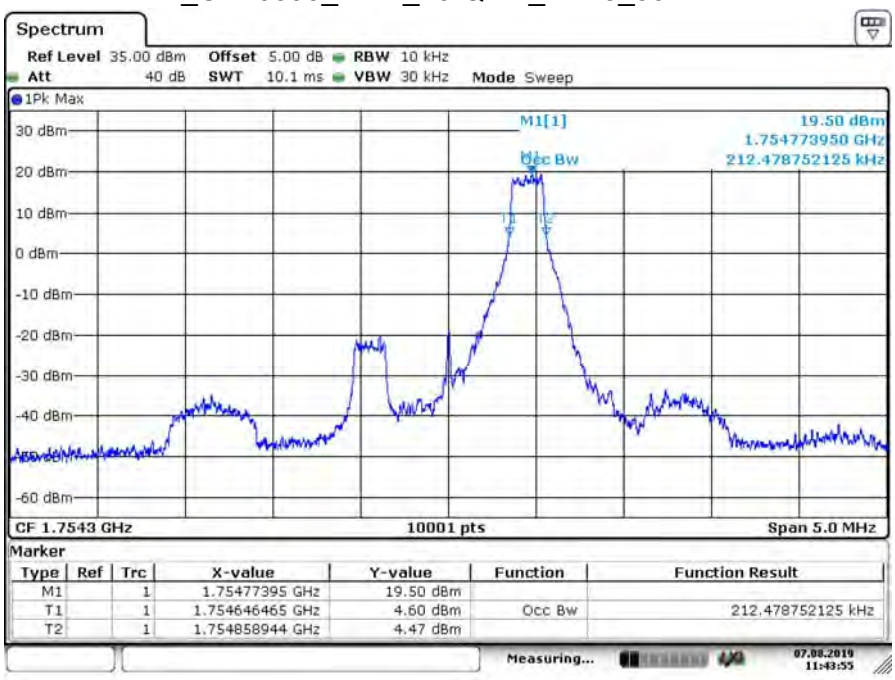

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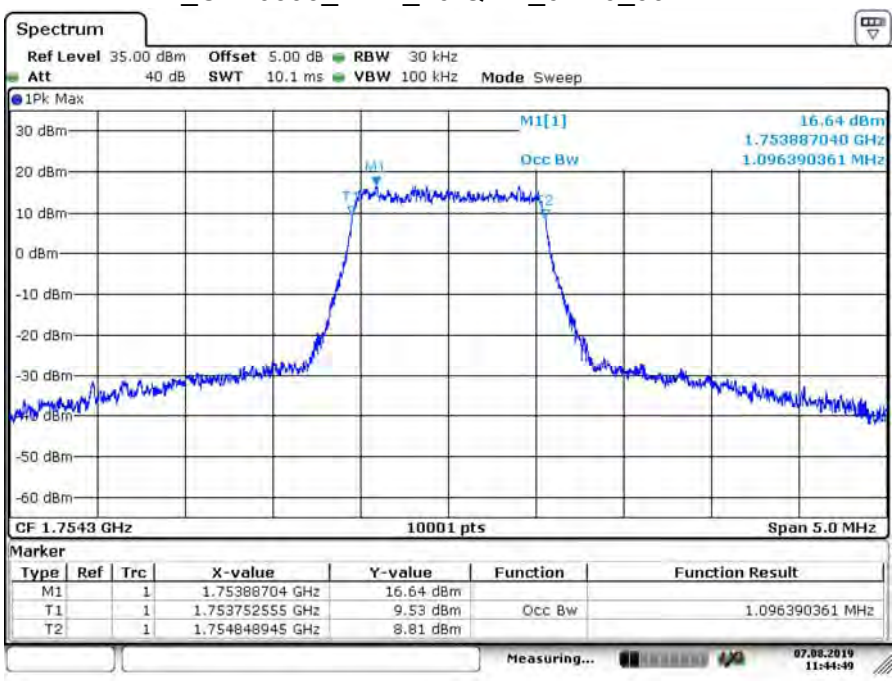

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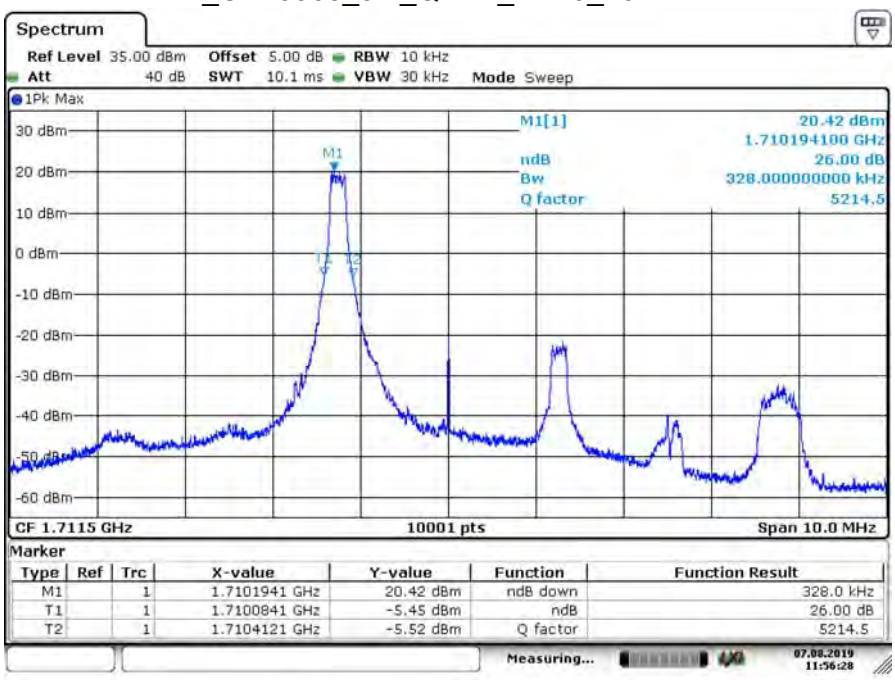
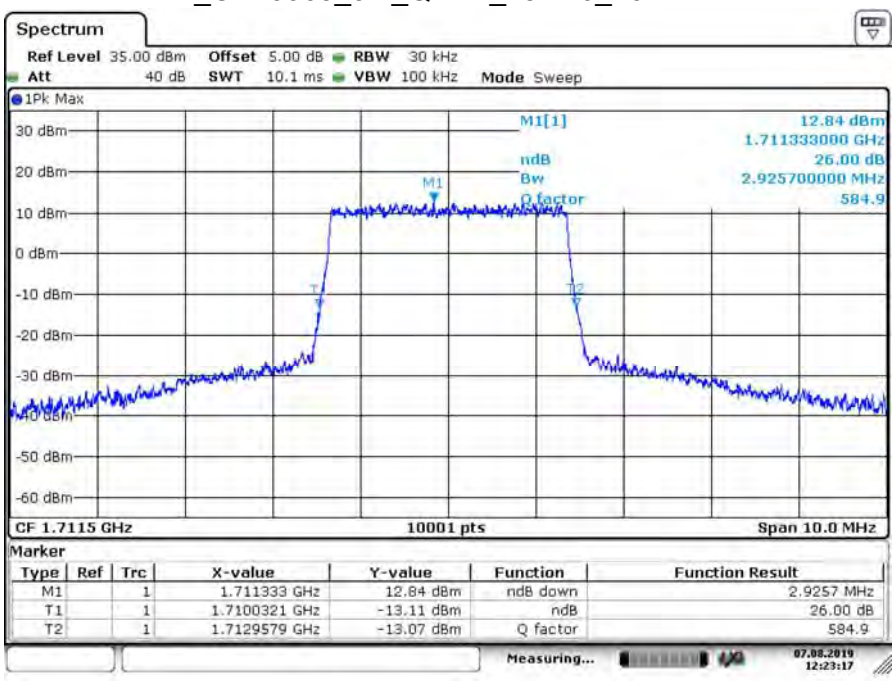


Date: 7.AUG.2019 11:56:28

B4_CH19965_3M_QPSK_15RB0_26dB BW



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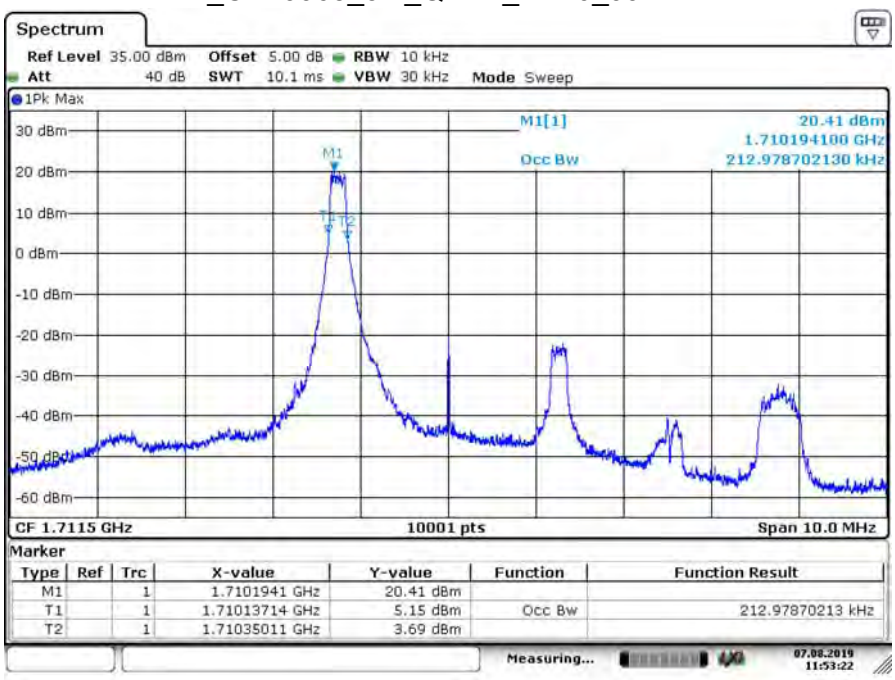
B4_CH19965_3M_QPSK_1RB0_99% BW



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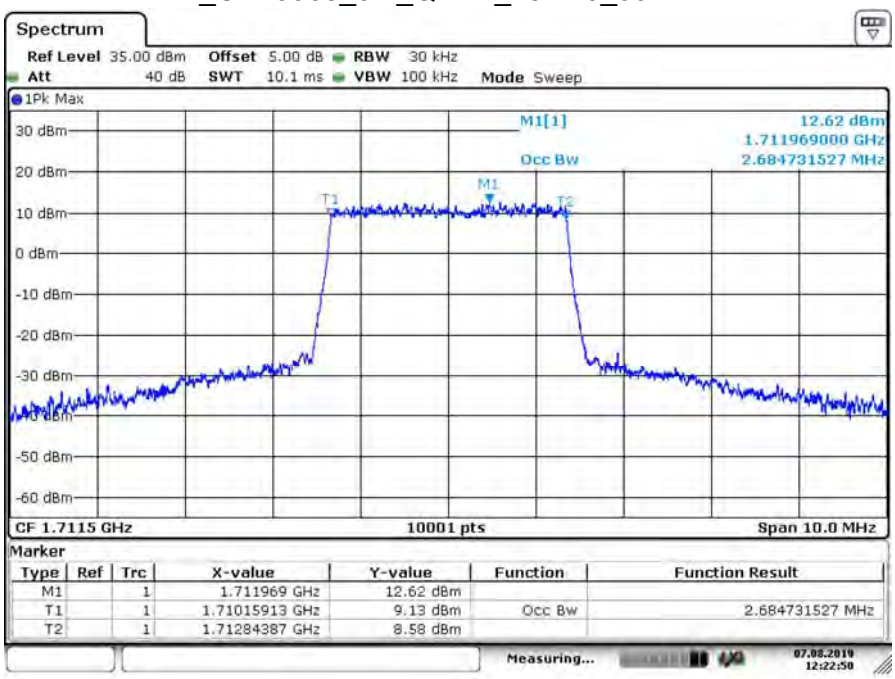

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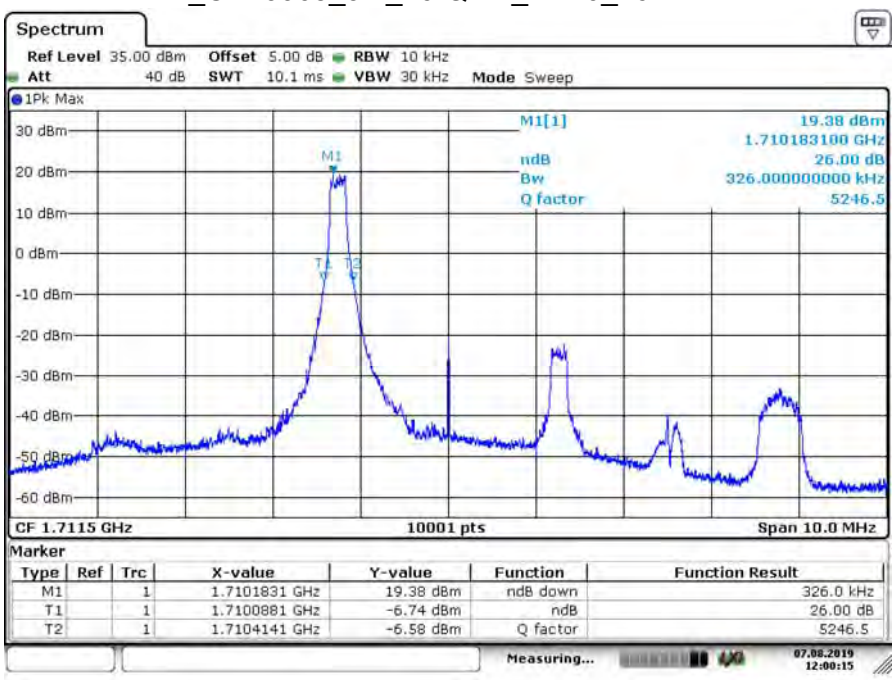

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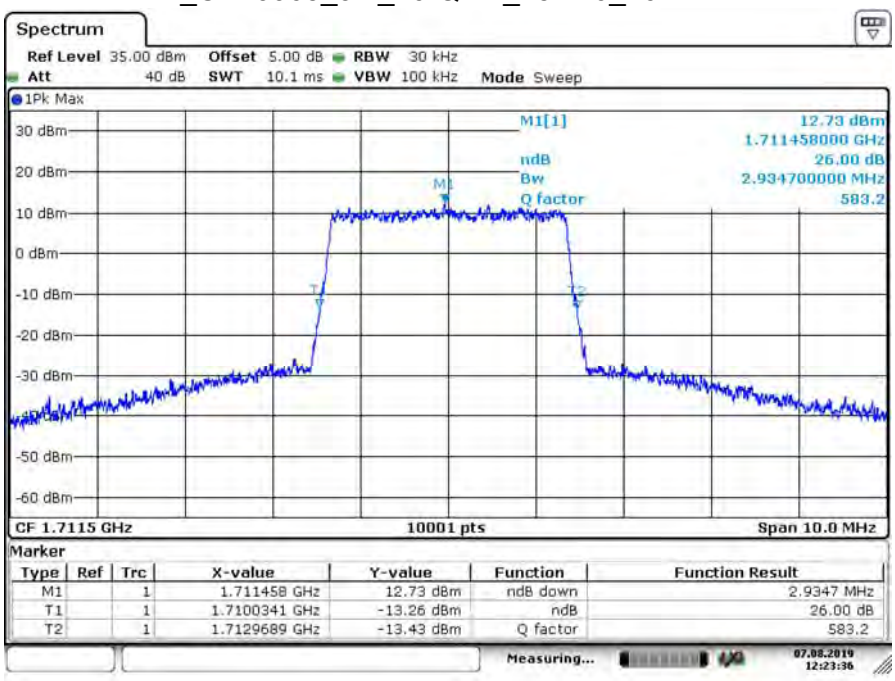
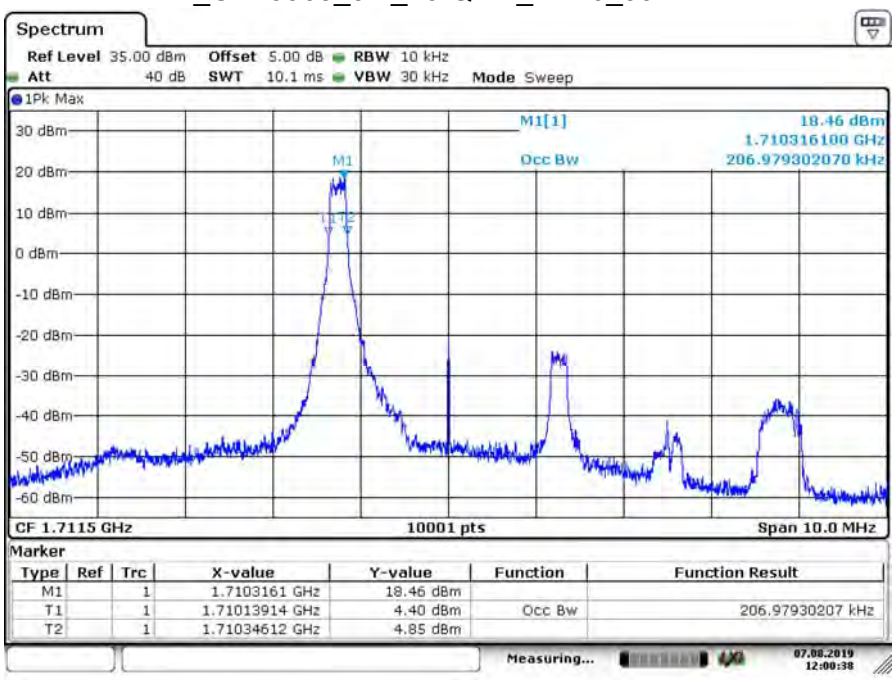


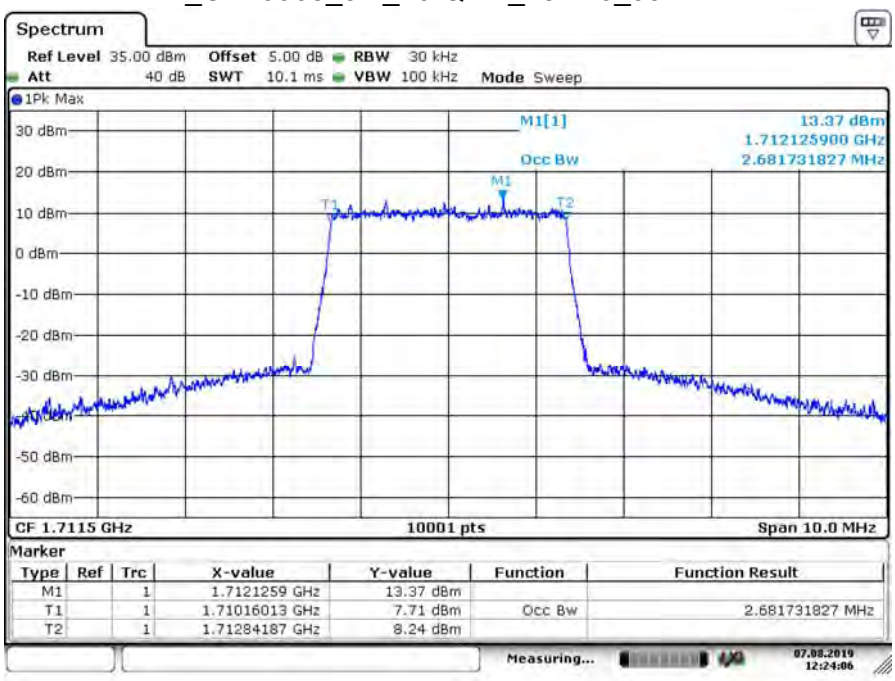
Date: 7.AUG.2019 12:23:36

B4_CH19965_3M_16-QAM_1RB0_99% BW



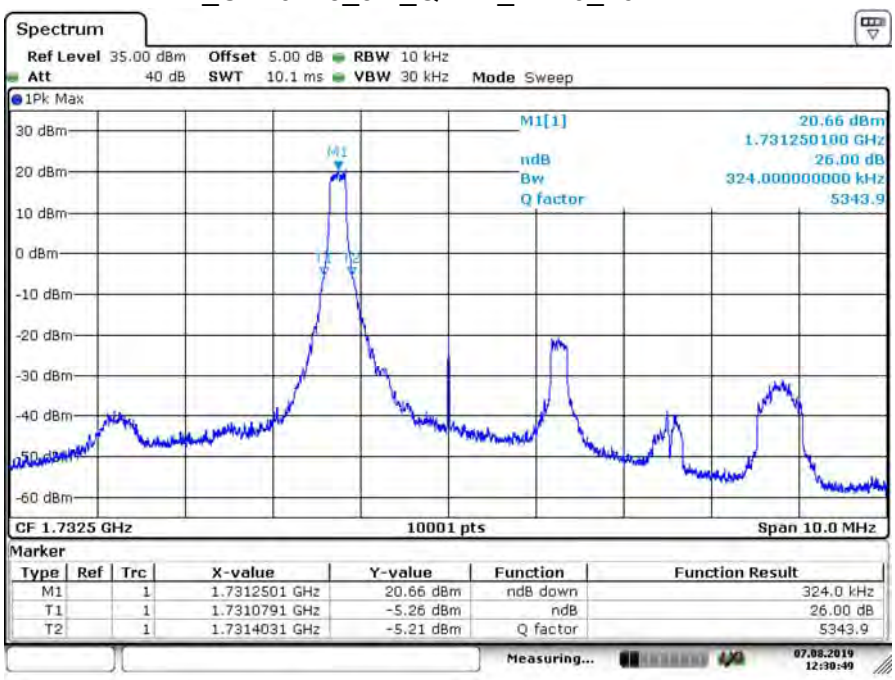
Date: 7.AUG.2019 12:00:38

B4_CH19965_3M_16-QAM_15RB0_99% BW



Date: 7.AUG.2019 12:24:06

B4_CH20175_3M_QPSK_1RB0_26dB BW



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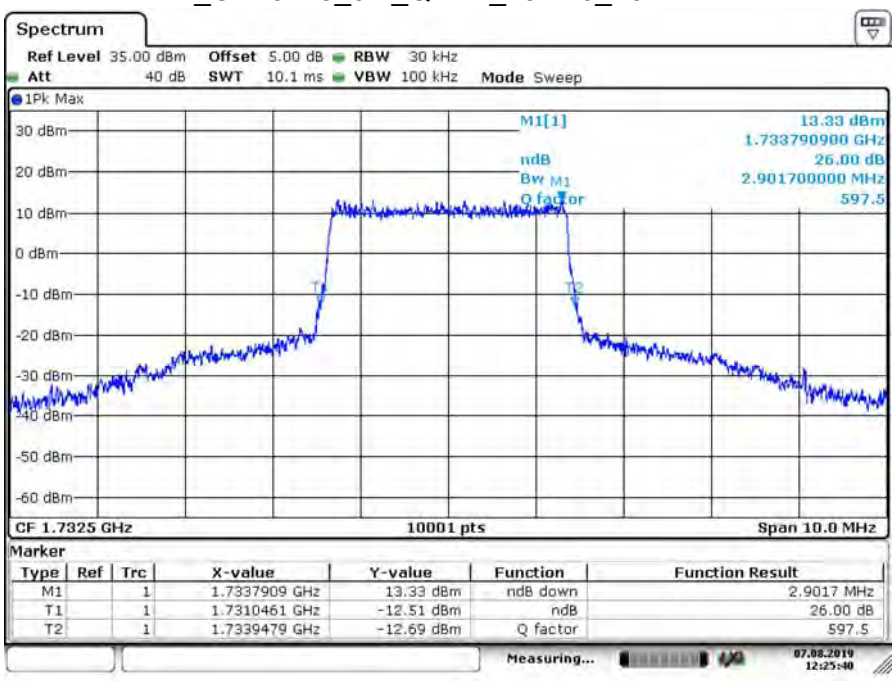

Date: 7.AUG.2019 12:25:41

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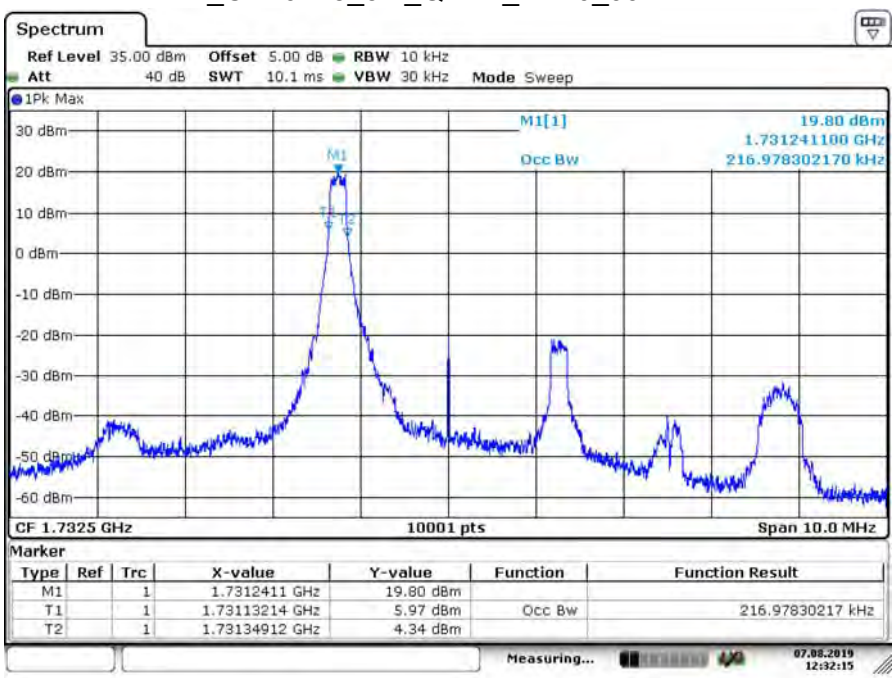

Date: 7.AUG.2019 12:32:15

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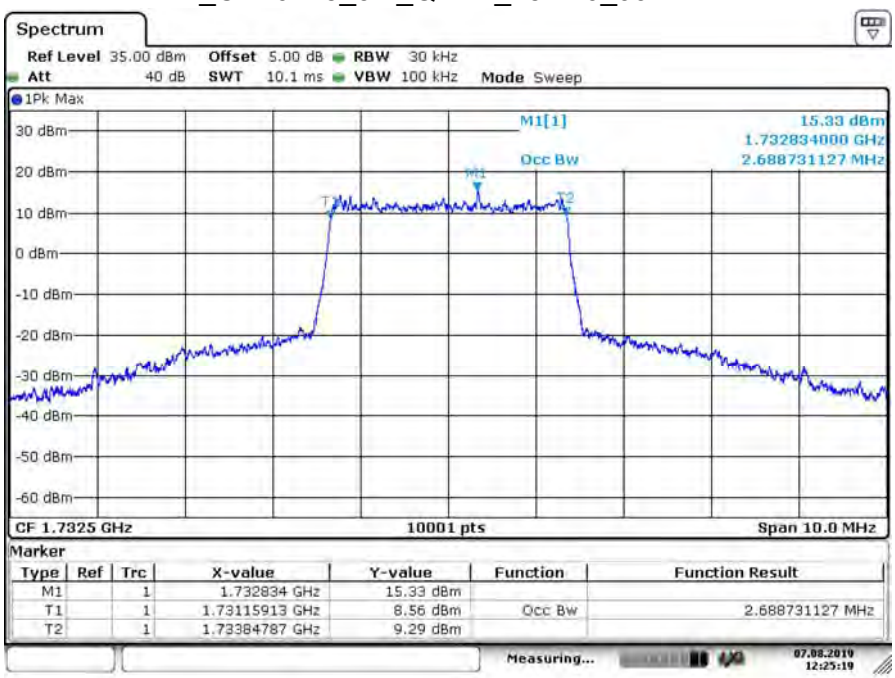

Date: 7.AUG.2019 12:25:19

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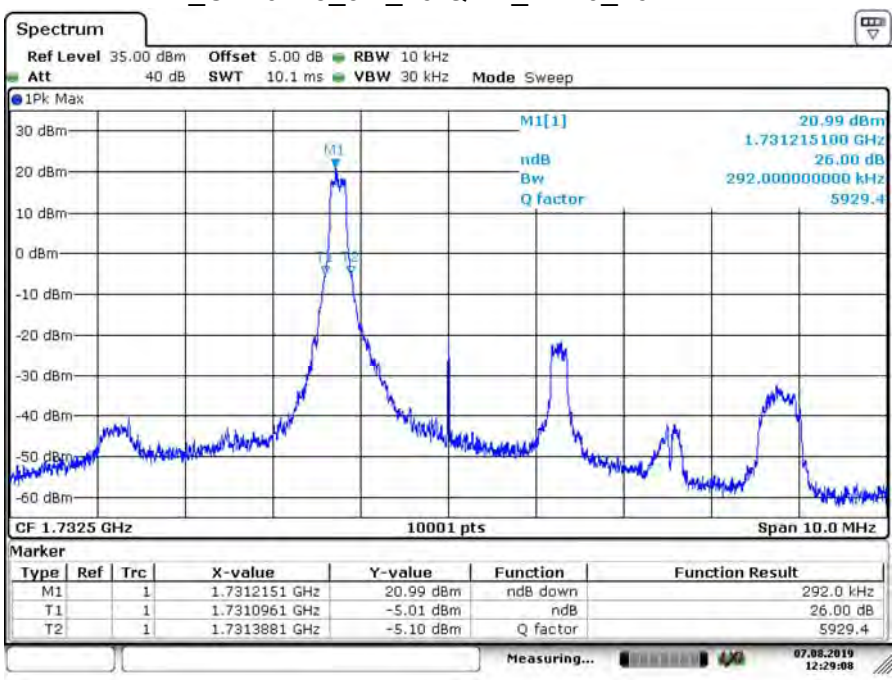

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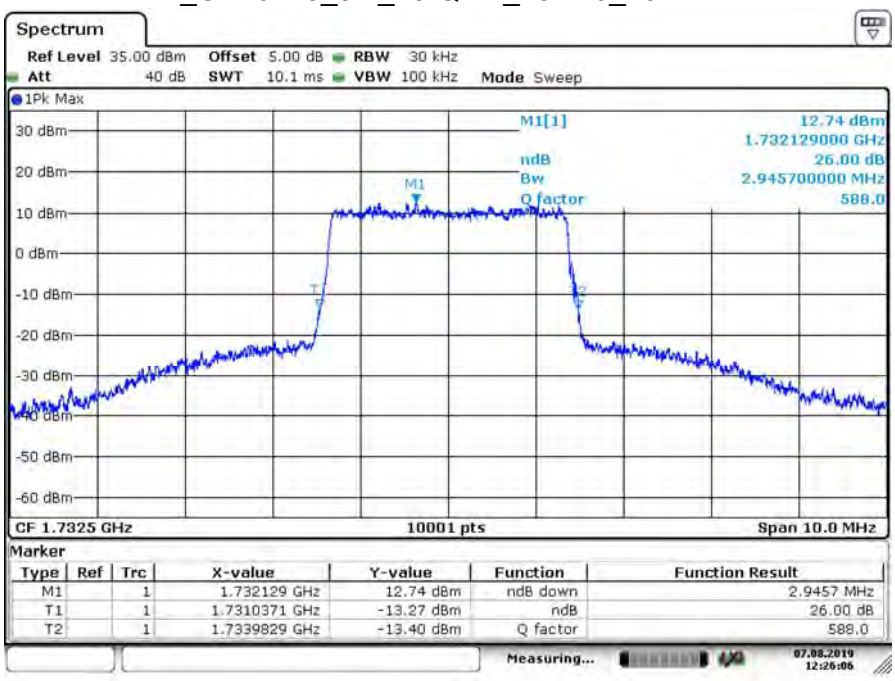

Date: 7.AUG.2019 12:26:06

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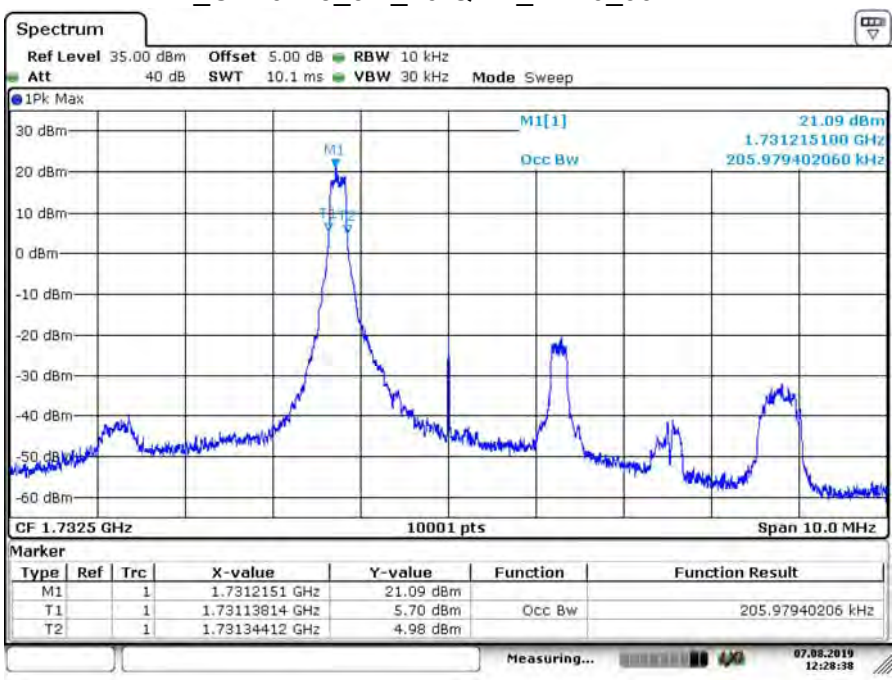

Date: 7.AUG.2019 12:28:38

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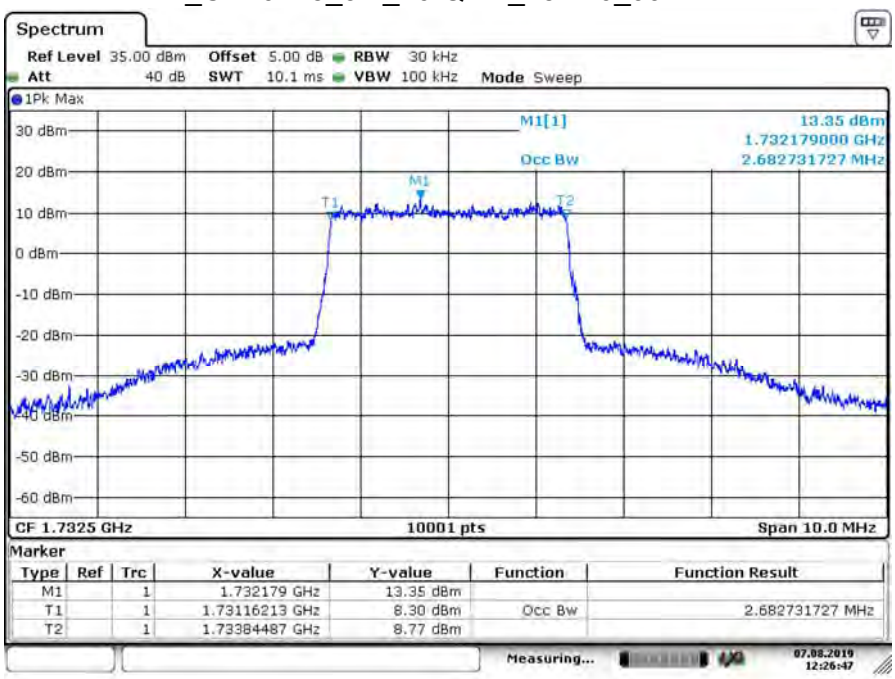

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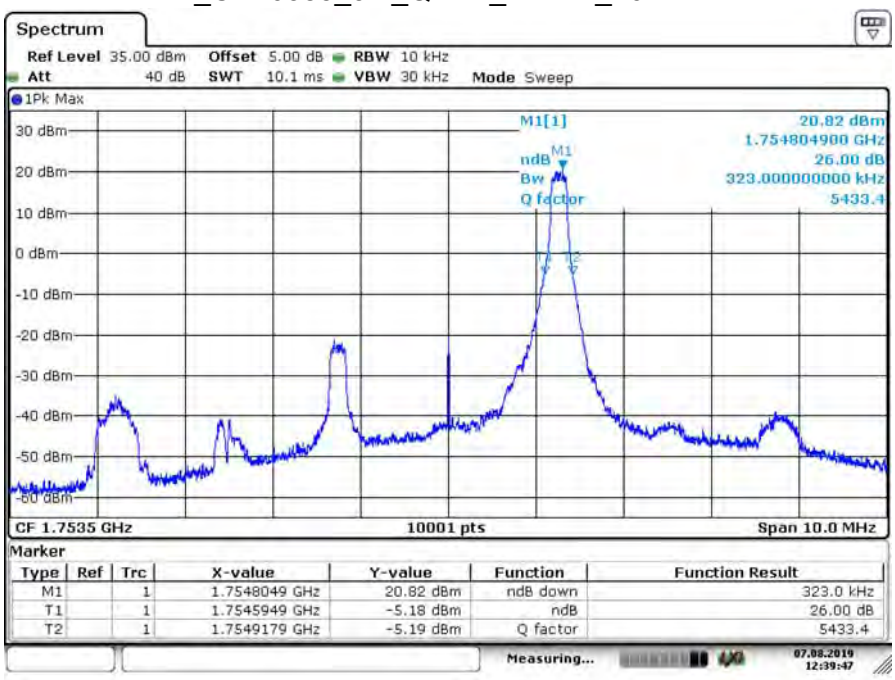
B4_CH20385_3M_QPSK_1RB14_26dB BW



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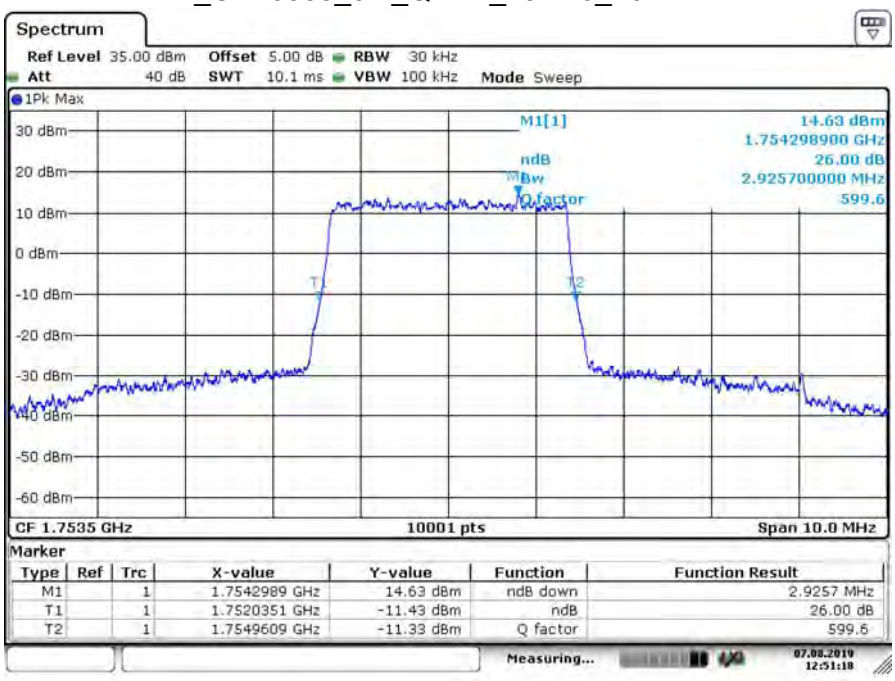

Date: 7.AUG.2019 12:51:18

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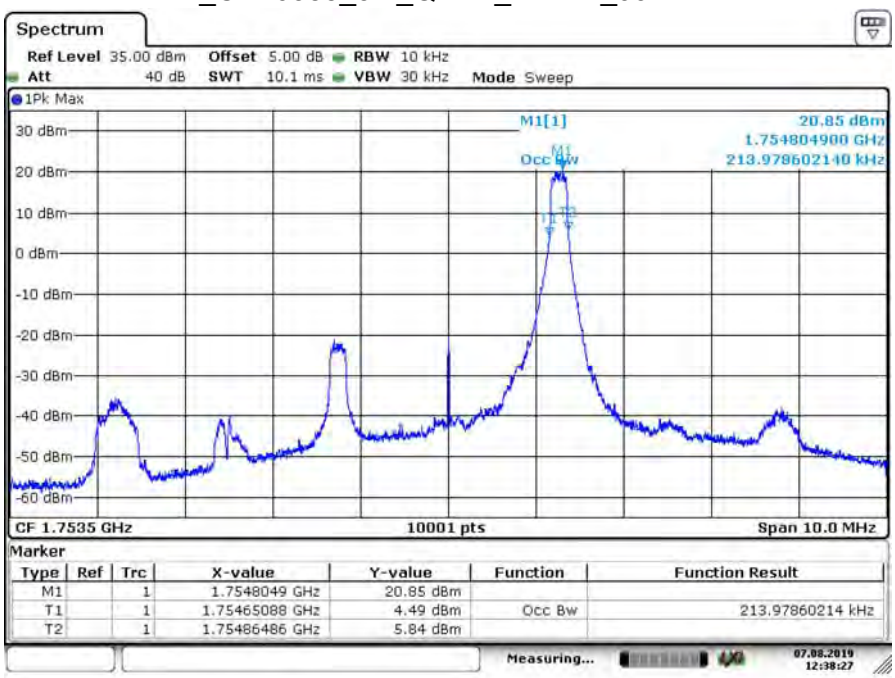

Date: 7.AUG.2019 12:38:27

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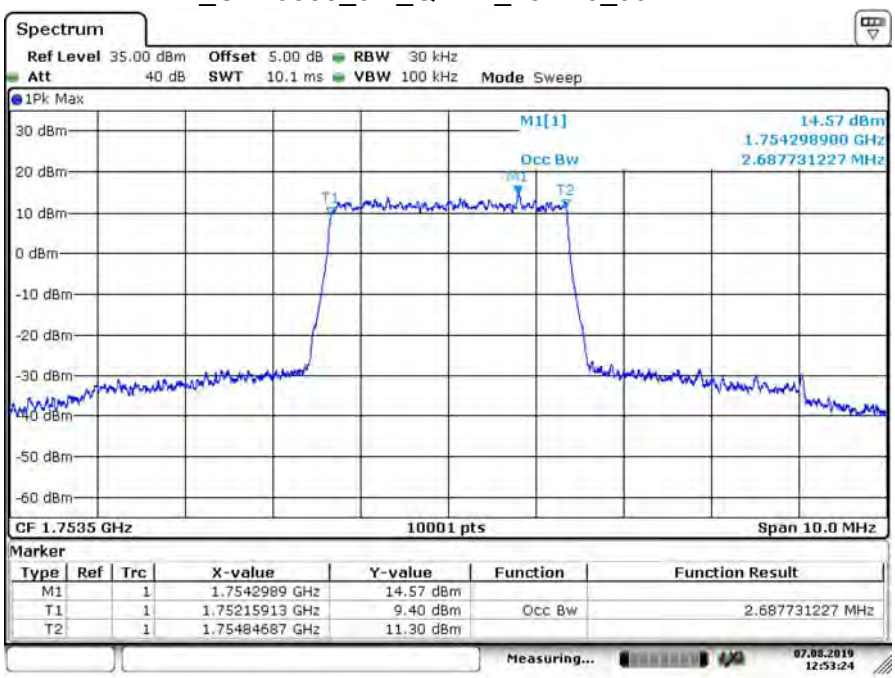
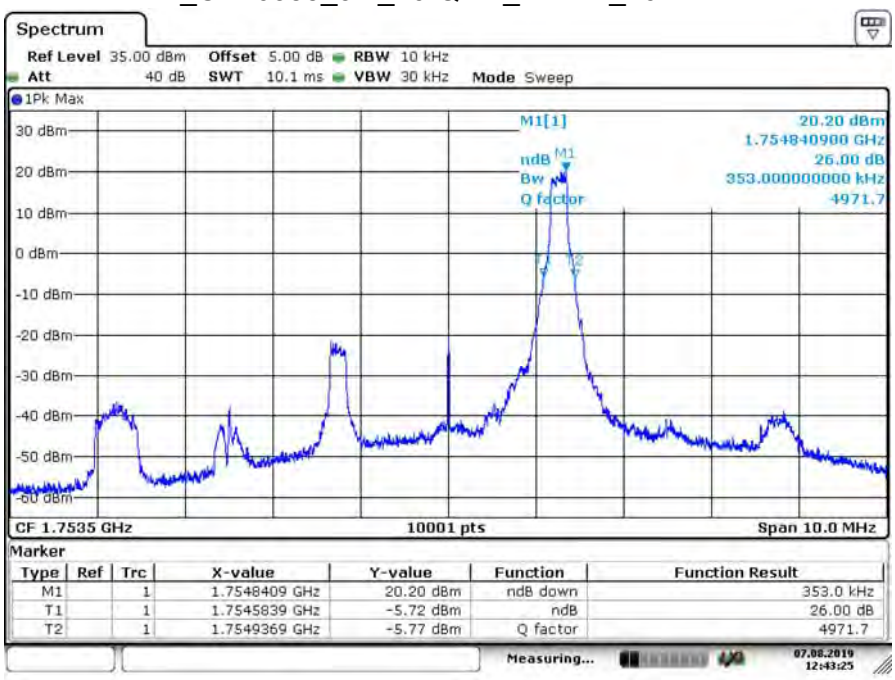


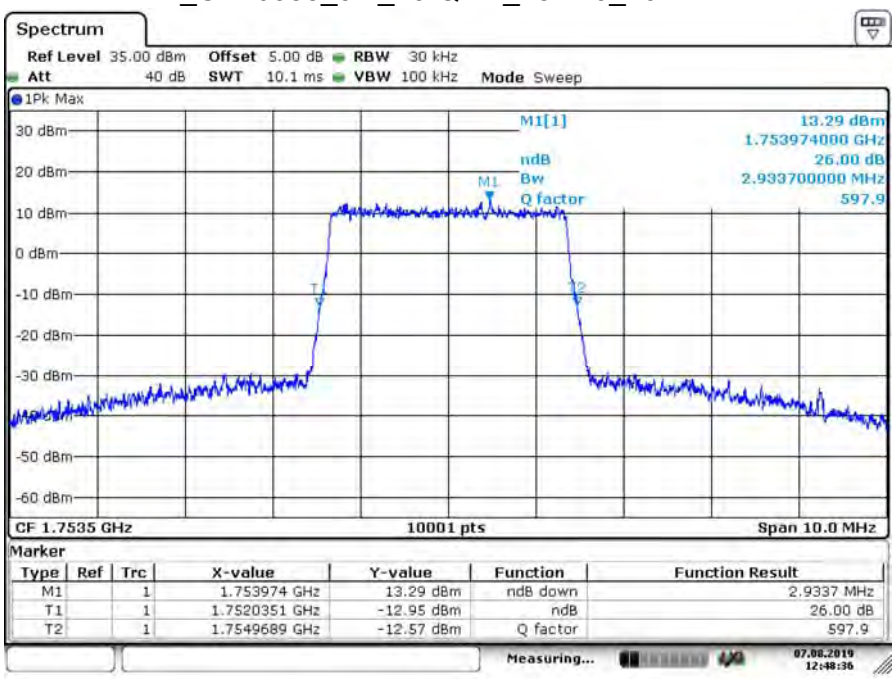
Date: 7.AUG.2019 12:53:24

B4_CH20385_3M_16-QAM_1RB14_26dB BW



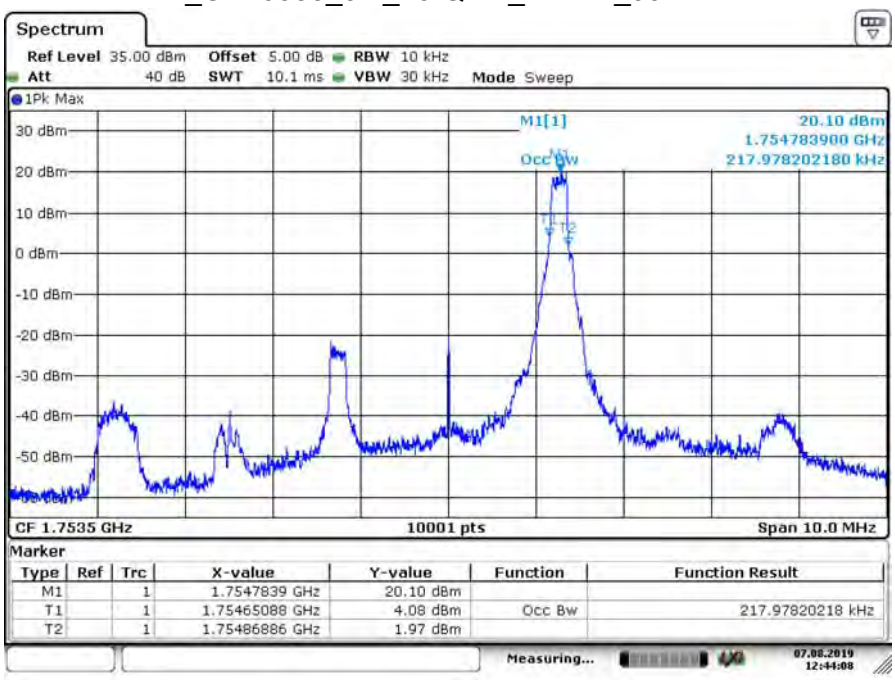
Date: 7.AUG.2019 12:43:25

B4_CH20385_3M_16-QAM_15RB0_26dB BW



Date: 7.AUG.2019 12:48:36

B4_CH20385_3M_16-QAM_1RB14_99% BW



Date: 7.AUG.2019 12:44:09

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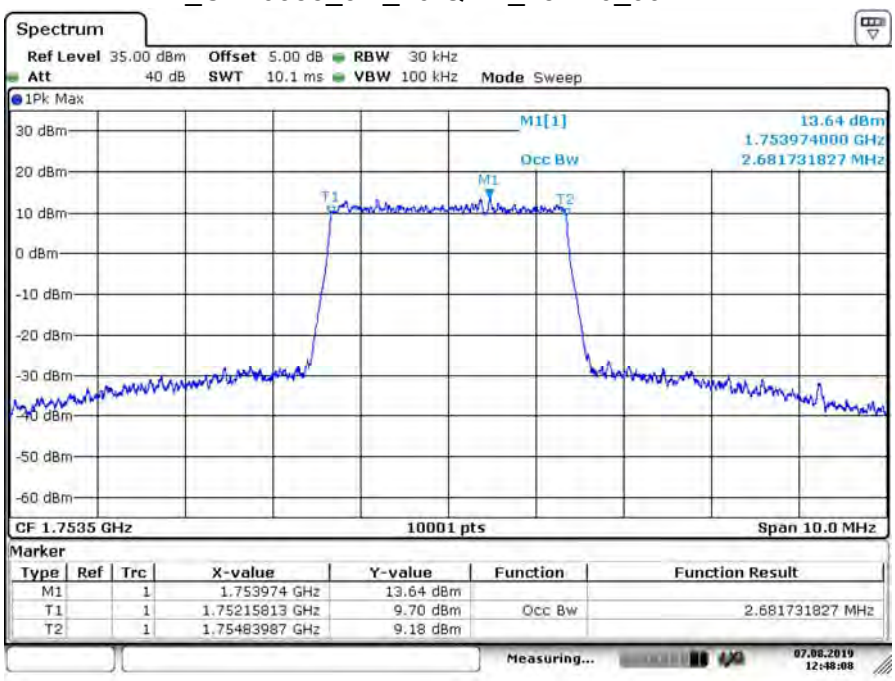

Date: 7.AUG.2019 12:48:07