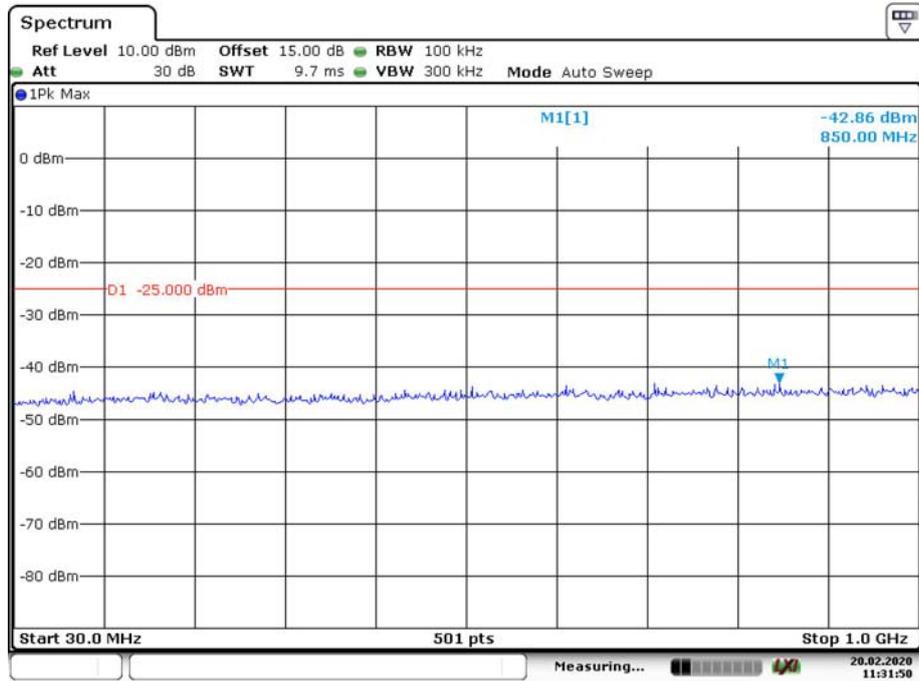
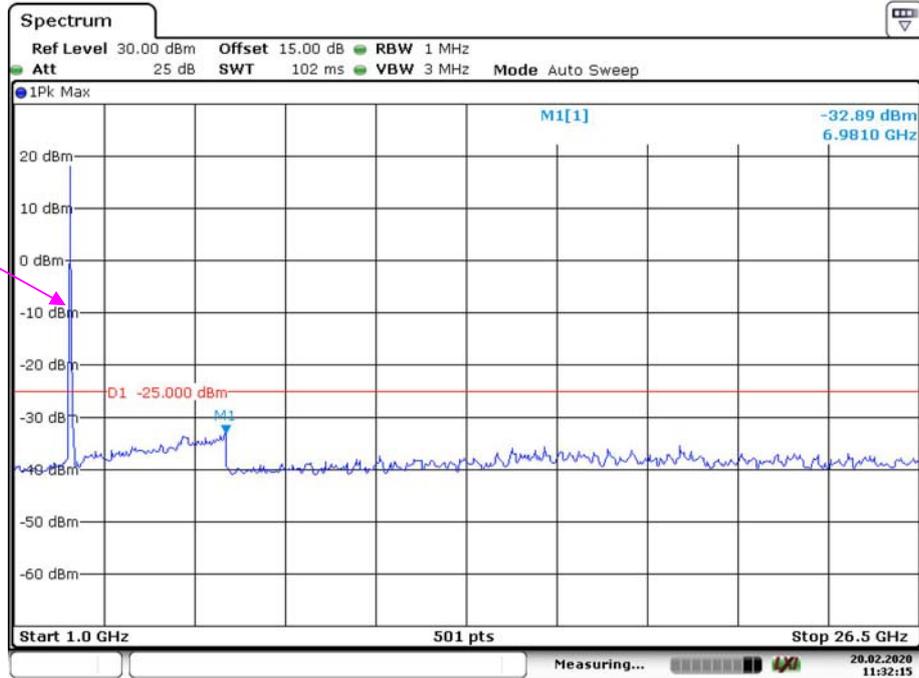
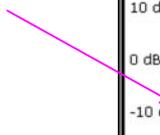


### QPSK\_20 MHz



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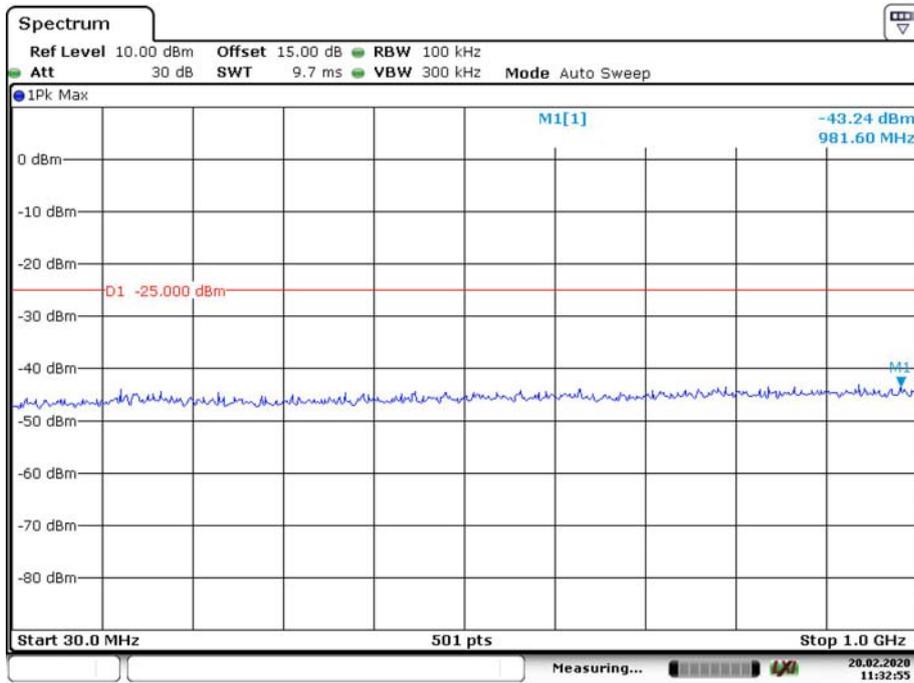
Fundamental



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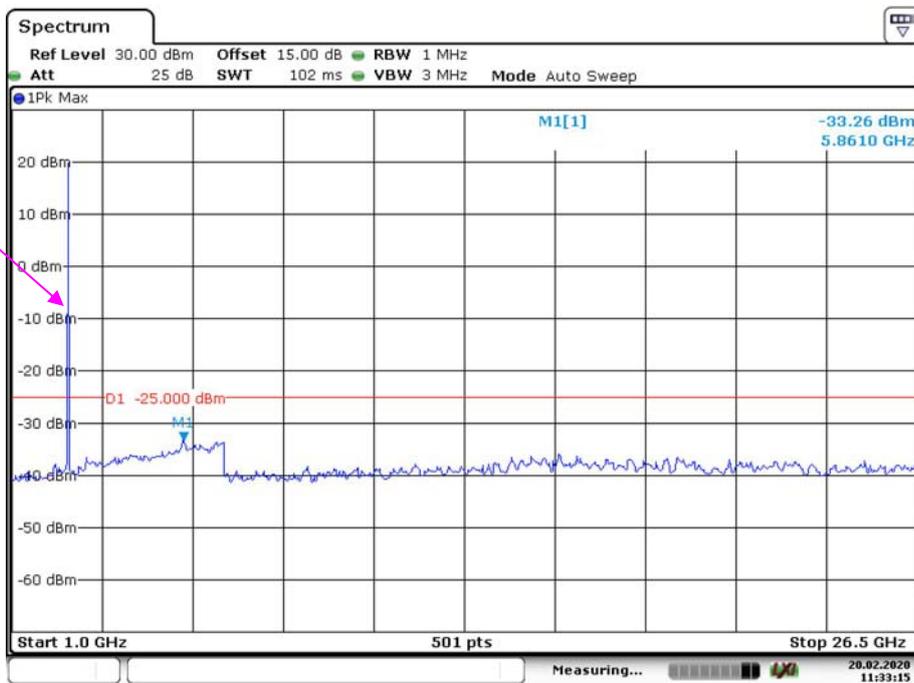
LTE Band 41 (Middle Channel)

QPSK\_5 MHz



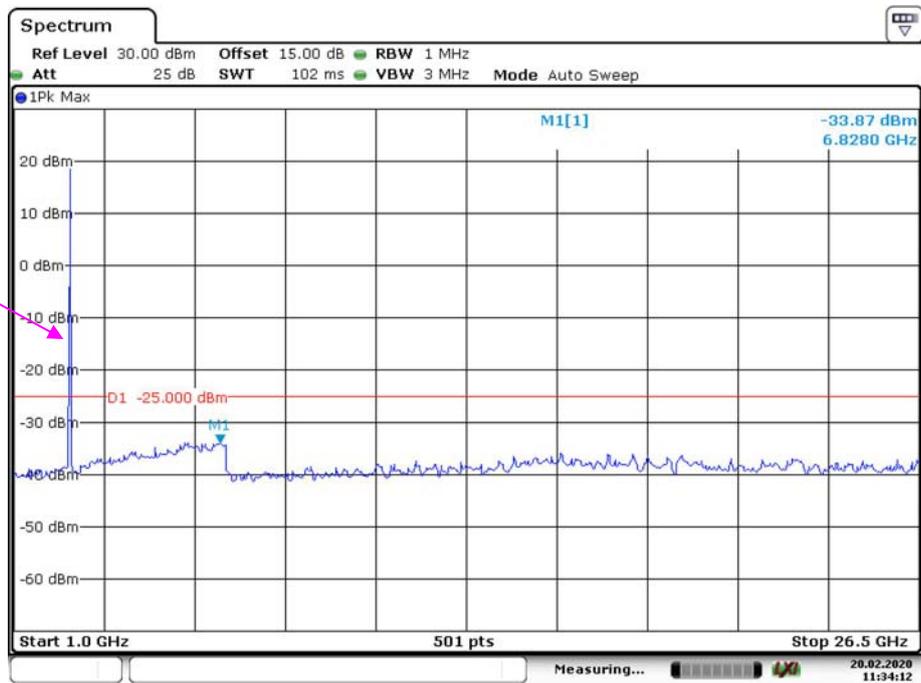
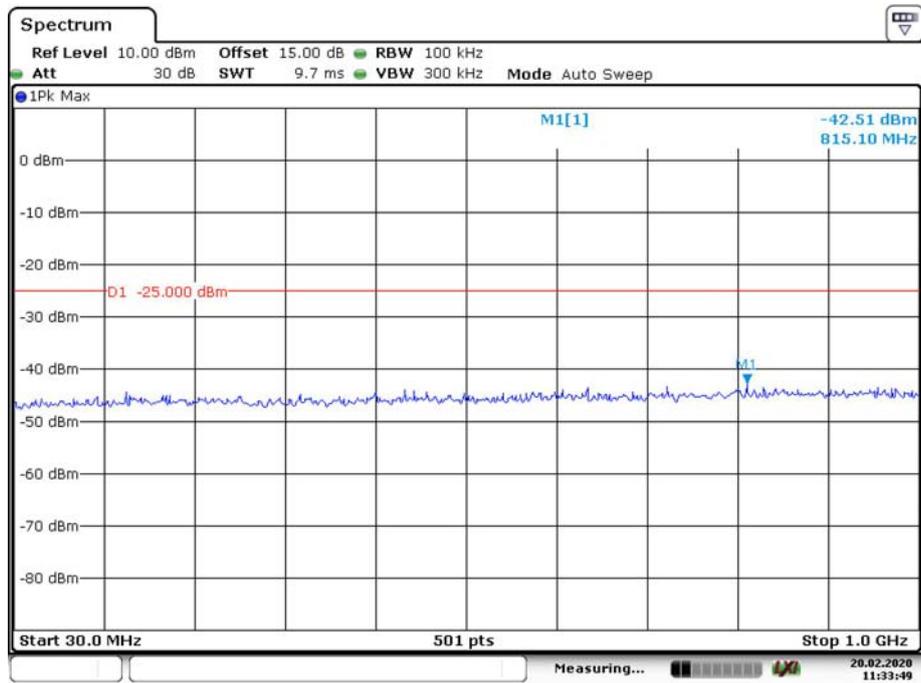
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Fundamental

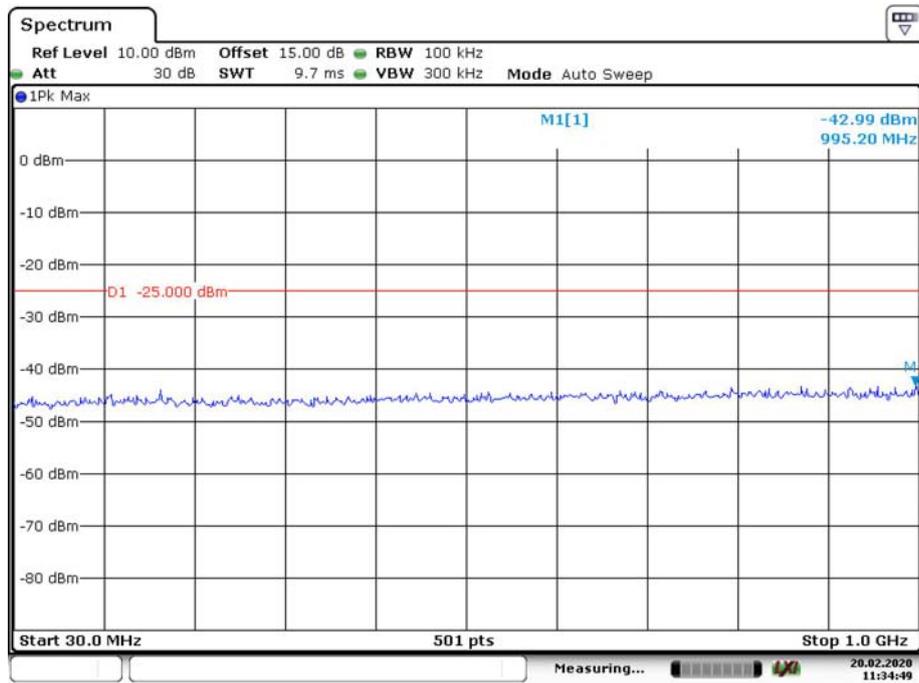


Date: 20.FEB.2020 11:33:15

### QPSK\_10 MHz

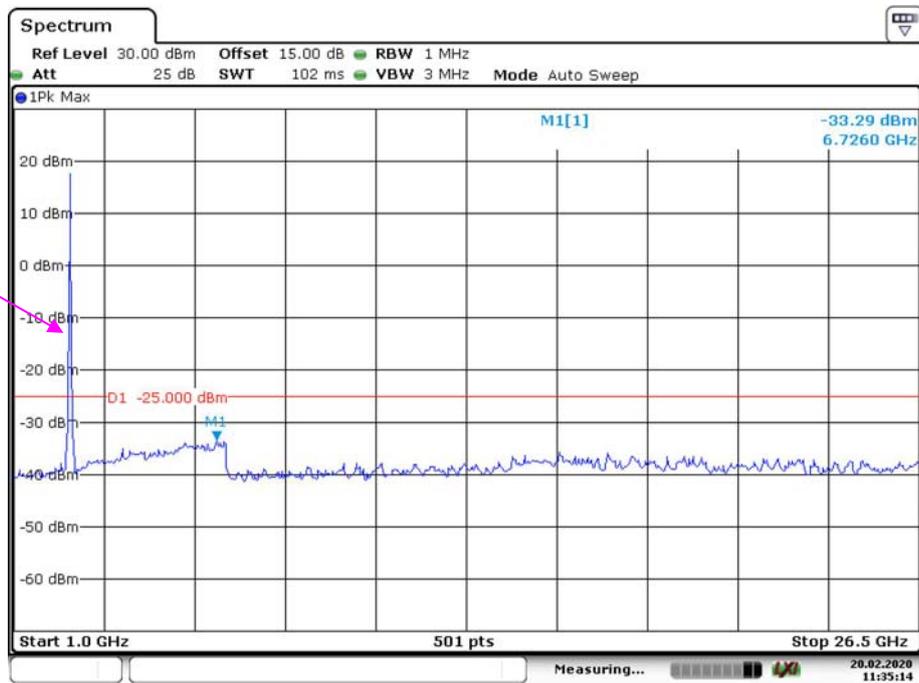


### QPSK\_15 MHz



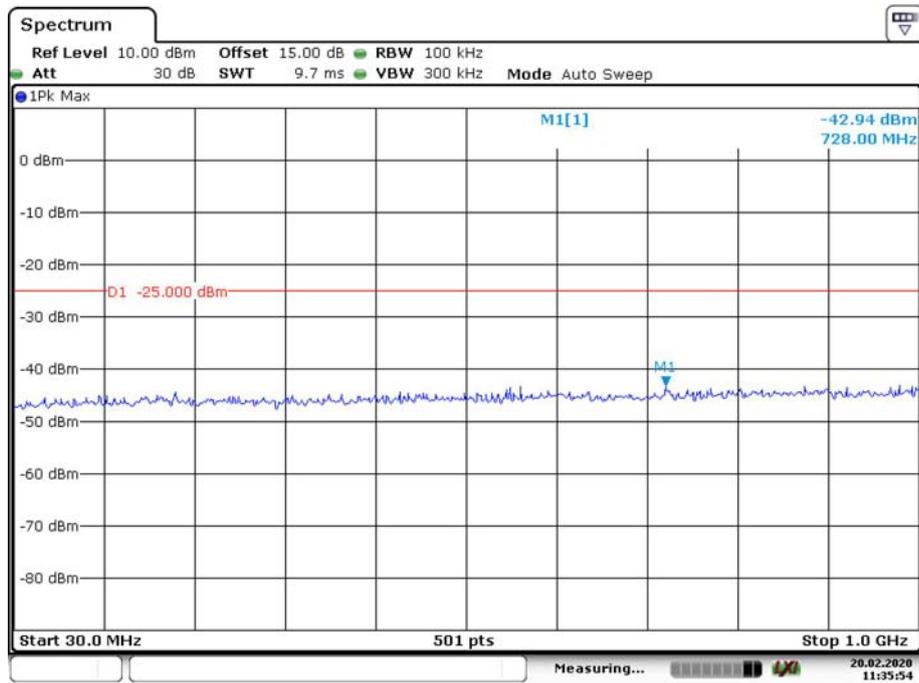
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Fundamental



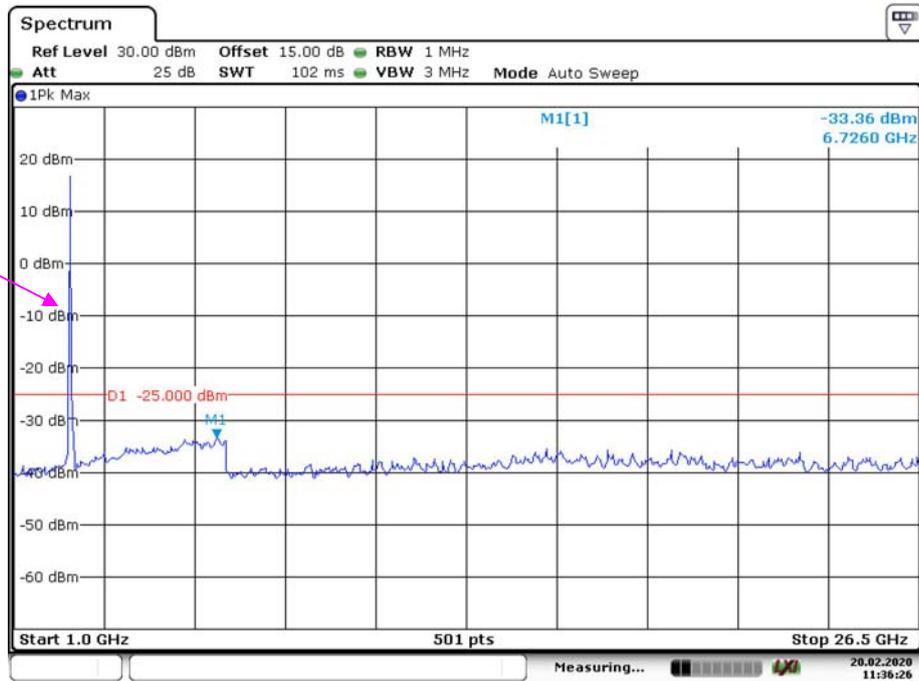
Date: 20.FEB.2020 11:35:14

### QPSK\_20 MHz



Date: 20.FEB.2020 11:35:55

Fundamental



Date: 20.FEB.2020 11:36:27

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## **FCC §2.1053, §22.917 & §24.238 & §27.53& §90.691 - SPURIOUS RADIATED EMISSIONS**

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### **Applicable Standard**

FCC § 2.1053, §22.917, § 24.238 and § 27.53, §90.691;

### **Test Procedure**

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious emissions in dB =  $10 \lg(\text{TXpwr in Watts}/0.001)$  – the absolute level

Spurious attenuation limit in dB =  $43 + 10 \text{Log}_{10}(\text{power out in Watts})$

**Test Equipment List and Details**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESR3	102453	2019-06-26	2020-06-26
Sunol Sciences	Antenna	JB3	A060611-1	2017-11-10	2020-11-10
EMCO	Adjustable Dipole Antenna	3121C	9109-753	N/A	N/A
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-01	2019-09-05	2020-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-0075-01	2019-09-05	2020-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-1400-01	2019-05-06	2020-05-06
Unknown	Coaxial Cable	C-NJNJ-50	C-0200-02	2019-09-05	2020-09-05
HP	Amplifier	8447D	2727A05902	2019-09-05	2020-09-05
Agilent	Spectrum Analyzer	E4440A	SG43360054	2019-05-09	2020-05-09
TDK RF	Horn Antenna	HRN-0118	130 084	2018-10-12	2021-10-12
ETS-Lindgren	Horn Antenna	3115	000 527 35	2018-10-12	2021-10-12
Unknown	Coaxial Cable	C-SJSJ-50	C-0800-01	2019-09-05	2020-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-0200-02	2019-09-05	2020-09-05
MITEQ	Amplifier	AFS42-00101800-25-S-42	2001271	2019-09-05	2020-09-05
Quinstar	Amplifier	QLW-18405536-JO	15964001001	2019-06-27	2020-06-27
Agilent	Signal Generator	E8247C	MY43321350	2019-12-10	2020-12-10
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-01 1304	2019-11-18	2022-11-18
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-02 1304	2019-11-18	2022-11-18
Sinoscite	Band-stop filter	BSF1710-1785MN-0383-003	0383003	2019-06-16	2020-06-16
Sinoscite	Band-stop filter	BSF824-862MS-1438-001	1438001	2019-06-16	2020-06-16
Sinoscite	Band-stop filter	BSF2300-2400MS-0777-003	0777003	2019-06-16	2020-06-16
Sinoscite	Band-stop filter	BSF1850-1910MS-0935V2	0935V2	2019-06-16	2020-06-16
Sinoscite	Band-stop filter	BSF2500-2750MS-1439-001	1437001	2019-06-16	2020-06-16

\* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

**Test Data****Environmental Conditions**

<b>Temperature:</b>	23~25.3°C
<b>Relative Humidity:</b>	45~55 %
<b>ATM Pressure:</b>	101.8 kPa
<b>Tester:</b>	Vern Shen, Felix Wang
<b>Test Date:</b>	2020-02-27

*EUT Operation Mode: Transmitting*

**30 MHz-10 GHz:**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBµV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM850, Frequency:836.600 MHz								
1673.200	H	45.91	-58.03	10.6	0.73	-48.2	-13.0	35.2
1673.200	V	46.25	-58.29	10.6	0.73	-48.4	-13.0	35.4
2509.800	H	62.61	-40.3	13.1	1.25	-28.4	-13.0	15.4
2509.800	V	58.64	-44.3	13.1	1.25	-32.4	-13.0	19.4
3346.400	H	43.63	-56.05	13.8	1.61	-43.8	-13.0	30.8
3346.400	V	45.61	-54.11	13.8	1.61	-41.9	-13.0	28.9
277.500	H	45.13	-63.78	0.0	0.51	-64.3	-13.0	51.3
300.200	V	41.20	-68.78	0.0	0.52	-69.3	-13.0	56.3
WCDMA Band V R99, Frequency:836.600 MHz								
1673.200	H	36.44	-67.5	10.6	0.73	-57.6	-13.0	44.6
1673.200	V	36.29	-68.25	10.6	0.73	-58.4	-13.0	45.4
2509.800	H	41.90	-61.01	13.1	1.25	-49.2	-13.0	36.2
2509.800	V	40.43	-62.51	13.1	1.25	-50.7	-13.0	37.7
3346.400	H	36.83	-62.85	13.8	1.61	-50.6	-13.0	37.6
3346.400	V	37.04	-62.68	13.8	1.61	-50.5	-13.0	37.5
277.500	H	44.28	-64.63	0.0	0.51	-65.1	-13.0	52.1
810.700	V	49.87	-52.19	0.0	0.94	-53.1	-13.0	40.1

**30 MHz-20 GHz:**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM1900, Frequency:1880.000 MHz								
3760.000	H	40.40	-57.24	13.8	1.63	-45.1	-13.0	32.1
3760.000	V	40.81	-56.69	13.8	1.63	-44.6	-13.0	31.6
5640.000	H	34.81	-58.78	14.0	1.31	-46.1	-13.0	33.1
5640.000	V	35.11	-58.37	14.0	1.31	-45.7	-13.0	32.7
277.800	H	46.54	-62.37	0.0	0.51	-62.9	-13.0	49.9
300.200	V	41.63	-68.35	0.0	0.52	-68.9	-13.0	55.9
WCDMA Band II R99, Frequency: 1880.000 MHz								
3760.000	H	37.61	-60.03	13.8	1.63	-47.9	-13.0	34.9
3760.000	V	38.30	-59.2	13.8	1.63	-47.1	-13.0	34.1
5640.000	H	36.00	-57.59	14.0	1.31	-44.9	-13.0	31.9
5640.000	V	37.04	-56.44	14.0	1.31	-43.7	-13.0	30.7
176.700	H	46.80	-62.53	0.0	0.44	-63.0	-13.0	50.0
227.200	V	41.07	-70.59	0.0	0.5	-71.1	-13.0	58.1
WCDMA Band IV R99, Frequency: 1732.600 MHz								
3465.200	H	36.79	-62.39	13.9	1.62	-50.1	-13.0	37.1
3465.200	V	37.61	-61.61	13.9	1.62	-49.3	-13.0	36.3
5197.800	H	35.94	-58.75	14.0	1.52	-46.3	-13.0	33.3
5197.800	V	36.04	-58.72	14.0	1.52	-46.2	-13.0	33.2
277.800	H	47.08	-61.83	0.0	0.51	-62.3	-13.0	49.3
300.200	V	41.30	-68.68	0.0	0.52	-69.2	-13.0	56.2

**LTE Band 2 (30MHz-20GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency:1880.000 MHz								
3760.00	H	38.77	-61.44	12.25	1.53	-50.72	-13.00	37.72
3760.00	V	38.00	-61.91	12.25	1.53	-51.19	-13.00	38.19
5640.00	H	36.05	-59.25	13.00	1.28	-47.53	-13.00	34.53
5640.00	V	35.46	-60.15	13.00	1.28	-48.43	-13.00	35.43
71.40	H	38.87	-74.47	-4.30	0.26	-79.03	-13.00	66.03
46.38	V	42.87	-52.58	-18.45	0.21	-71.24	-13.00	58.24

**LTE Band 4 (30MHz-20GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBµV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 1732.500 MHz								
3465.00	H	37.53	-63.44	12.21	1.60	-52.83	-13.00	39.83
3465.00	V	38.10	-61.46	12.21	1.60	-50.85	-13.00	37.85
5197.50	H	36.66	-59.42	12.92	1.36	-47.86	-13.00	34.86
5197.50	V	37.62	-58.43	12.92	1.36	-46.87	-13.00	33.87
72.60	H	38.56	-75.11	-3.70	0.28	-79.09	-13.00	66.09
46.25	V	43.20	-52.03	-18.58	0.21	-70.82	-13.00	57.82

**LTE Band 5 (30MHz-10GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBµV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 836.500 MHz								
1673.00	H	38.73	-65.65	10.52	1.27	-56.40	-13.00	43.40
1673.00	V	40.66	-63.65	10.52	1.27	-54.40	-13.00	41.40
2509.50	H	47.76	-55.01	12.20	1.24	-44.05	-13.00	31.05
2509.50	V	46.29	-57.87	12.20	1.24	-46.91	-13.00	33.91
3346.00	H	36.42	-64.77	12.26	1.58	-54.09	-13.00	41.09
3346.00	V	37.90	-62.22	12.26	1.58	-51.54	-13.00	38.54
71.40	H	40.74	-72.60	-4.30	0.26	-77.16	-13.00	64.16
46.10	V	41.15	-53.84	-18.72	0.21	-72.77	-13.00	59.77

**LTE Band 7 (30MHz-26.5GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBµV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 2535.000 MHz								
5070.00	H	36.44	-59.87	12.97	1.41	-48.31	-25.00	23.31
5070.00	V	36.71	-59.37	12.97	1.41	-47.81	-25.00	22.81
7605.00	H	36.02	-55.36	12.84	1.40	-43.92	-25.00	18.92
7605.00	V	36.43	-55.62	12.84	1.40	-44.18	-25.00	19.18
158.70	H	38.54	-68.48	0.00	0.40	-68.88	-25.00	43.88
46.24	V	42.87	-52.35	-18.58	0.21	-71.14	-25.00	46.14

**LTE Band 12 (30MHz-10 GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBµV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 707.500 MHz								
1415.00	H	44.62	-59.27	9.64	1.25	-50.88	-13.00	37.88
1415.00	V	45.98	-57.97	9.64	1.25	-49.58	-13.00	36.58
2122.50	H	47.93	-55.80	11.67	1.16	-45.29	-13.00	32.29
2122.50	V	49.31	-54.73	11.67	1.16	-44.22	-13.00	31.22
2830.00	H	37.59	-64.57	12.33	1.41	-53.65	-13.00	40.65
2830.00	V	41.20	-61.37	12.33	1.41	-50.45	-13.00	37.45
70.00	H	38.70	-74.25	-5.00	0.24	-79.49	-13.00	66.49
46.10	V	42.87	-52.12	-18.72	0.21	-71.05	-13.00	58.05

**LTE Band 13 (30MHz-10 GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBµV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 782.000 MHz								
1564.00	H	37.59	-66.90	10.19	1.32	-58.03	-40.00	18.03
1564.00	V	37.95	-66.47	10.19	1.32	-57.60	-40.00	17.6
2346.00	H	42.61	-60.57	11.98	1.21	-49.80	-13.00	36.80
2346.00	V	41.88	-62.26	11.98	1.21	-51.49	-13.00	38.49
3128.00	H	36.80	-64.80	12.35	1.53	-53.98	-13.00	40.98
3128.00	V	36.83	-64.30	12.35	1.53	-53.48	-13.00	40.48
71.40	H	40.57	-72.77	-4.30	0.26	-77.33	-13.00	64.33
46.38	V	42.87	-52.58	-18.45	0.21	-71.24	-13.00	58.24

**LTE Band 17 (30MHz-10GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBµV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 710.000 MHz								
1420.00	H	44.58	-59.35	9.66	1.25	-50.94	-13.00	37.94
1420.00	V	43.19	-60.80	9.66	1.25	-52.39	-13.00	39.39
2130.00	H	43.16	-60.56	11.68	1.16	-50.04	-13.00	37.04
2130.00	V	43.94	-60.10	11.68	1.16	-49.58	-13.00	36.58
2840.00	H	38.40	-63.74	12.34	1.42	-52.82	-13.00	39.82
2840.00	V	43.94	-58.58	12.34	1.42	-47.66	-13.00	34.66
71.40	H	39.24	-74.10	-4.30	0.26	-78.66	-13.00	65.66
46.10	V	41.02	-53.97	-18.72	0.21	-72.90	-13.00	59.90

**LTE Band 26 (30MHz-10GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 831.500 MHz								
1663.00	H	38.81	-65.58	10.49	1.28	-56.37	-13.00	43.37
1663.00	V	40.34	-63.98	10.49	1.28	-54.77	-13.00	41.77
2494.50	H	46.78	-56.02	12.19	1.24	-45.07	-13.00	32.07
2494.50	V	43.49	-60.72	12.19	1.24	-49.77	-13.00	36.77
3326.00	H	36.85	-64.38	12.27	1.57	-53.68	-13.00	40.68
3326.00	V	36.80	-63.41	12.27	1.57	-52.71	-13.00	39.71
155.60	H	36.91	-69.92	0.00	0.39	-70.31	-13.00	57.31
46.10	V	40.69	-54.30	-18.72	0.21	-73.23	-13.00	60.23

**LTE Band 38 (30MHz-26.5GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 2595.000 MHz								
5190.00	H	36.34	-58.35	13.99	1.51	-45.87	-25.00	20.87
5190.00	V	36.46	-58.28	13.99	1.51	-45.80	-25.00	20.8
7785.00	H	35.86	-53.46	13.32	1.53	-41.67	-25.00	16.67
7785.00	V	35.64	-53.93	13.32	1.53	-42.14	-25.00	17.14
157.00	H	36.87	-70.05	0.00	0.39	-70.44	-25.00	45.44
49.00	V	41.39	-58.36	-15.88	0.21	-74.45	-25.00	49.45

**LTE Band 41 (30MHz-26.5GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 2593.000 MHz								
5186.00	H	36.07	-60.03	12.93	1.37	-48.47	-25.00	23.47
5186.00	V	36.41	-59.65	12.93	1.37	-48.09	-25.00	23.09
7779.00	H	35.60	-55.51	12.91	1.53	-44.13	-25.00	19.13
7779.00	V	36.34	-55.39	12.91	1.53	-44.01	-25.00	19.01
165.50	H	38.55	-69.28	0.00	0.41	-69.69	-25.00	44.69
44.70	V	41.69	-51.12	-20.20	0.21	-71.53	-25.00	46.53

Note:

- 1) The unit of Antenna Gain is dBd for frequency below 1GHz, and the unit of Antenna Gain is dBi for frequency above 1GHz.
- 2) Absolute Level = Substituted Level - Cable loss + Antenna Gain
- 3) Margin = Limit - Absolute Level

**FCC §22.917(a) & §24.238(a) & §27.53& §90.691 - BAND EDGES**

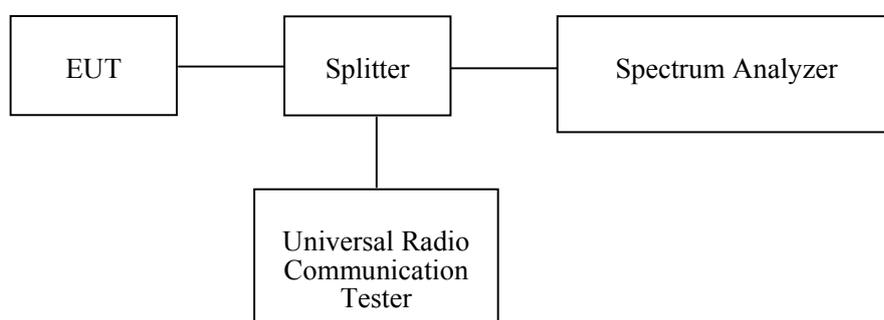
**Applicable Standard**

FCC § 2.1053, §22.917, § 24.238 and § 27.53, § 90.691;

**Test Procedure**

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

The center of the spectrum analyzer was set to block edge frequency.



**Test Equipment List and Details**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2020-01-09	2021-01-09
yzjingcheng	Coaxial Cable	KTRFBU-141-50	41005011	Each Time	/
E-Microwave	Two-way Splitter	ODP-1-6-2S	OE0120142	Each Time	/
E-Microwave	Coaxial Attenuators	EMCA10-5RN-6	OE01203239	Each Time	/

\* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

**Test Data**

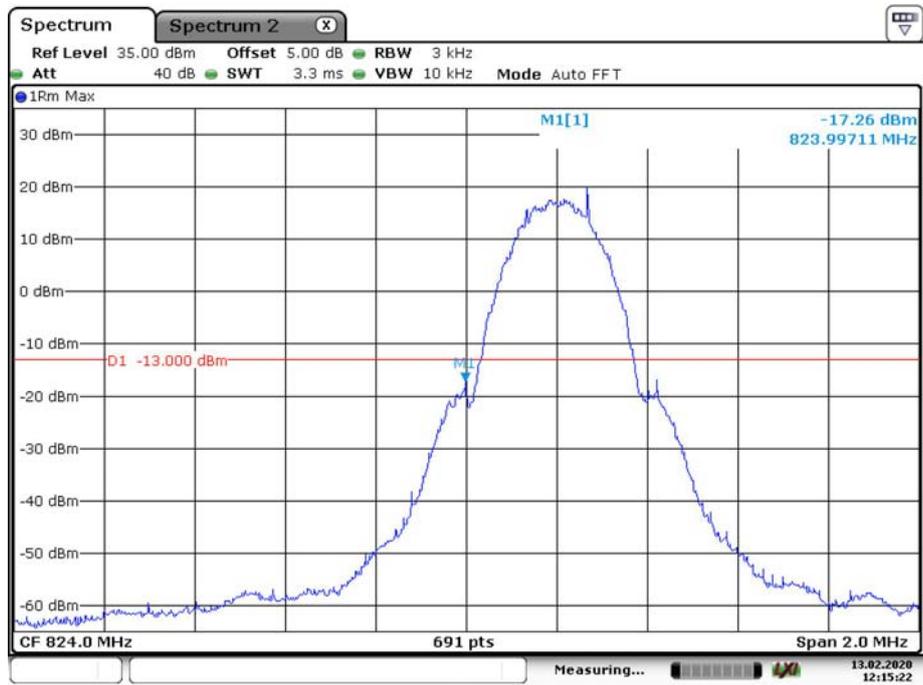
**Environmental Conditions**

<b>Temperature:</b>	19.1~22.9°C
<b>Relative Humidity:</b>	35~75 %
<b>ATM Pressure:</b>	101.6~102.6 kPa
<b>Tester:</b>	Fay Hu
<b>Test Date:</b>	2020-02-13~2020-02-20

*Test Mode: Transmitting*

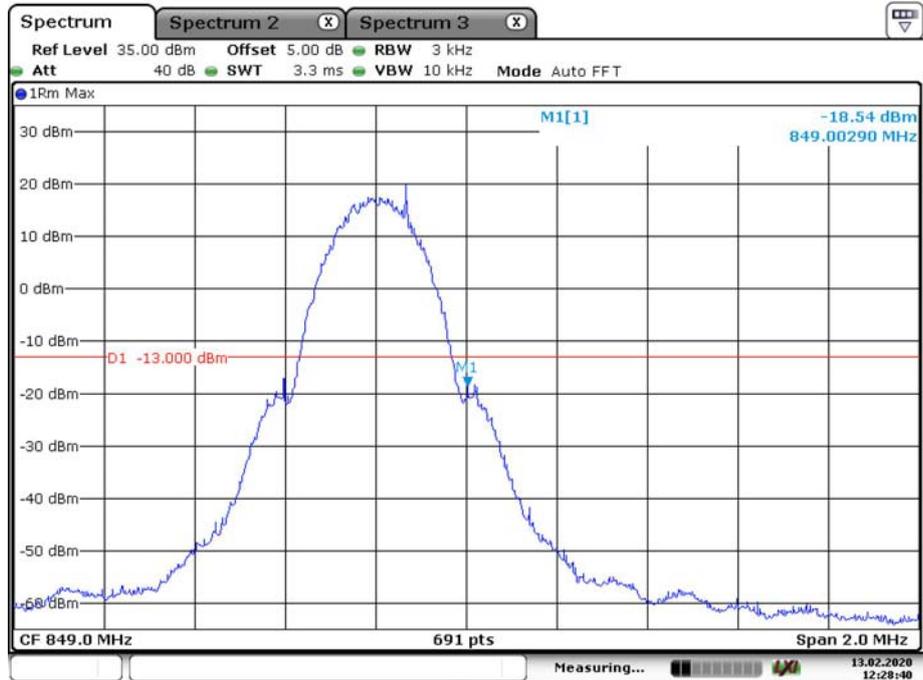
*Test Result: Compliant. Please refer to the following plots.*

### GSM 850, Left Band Edge



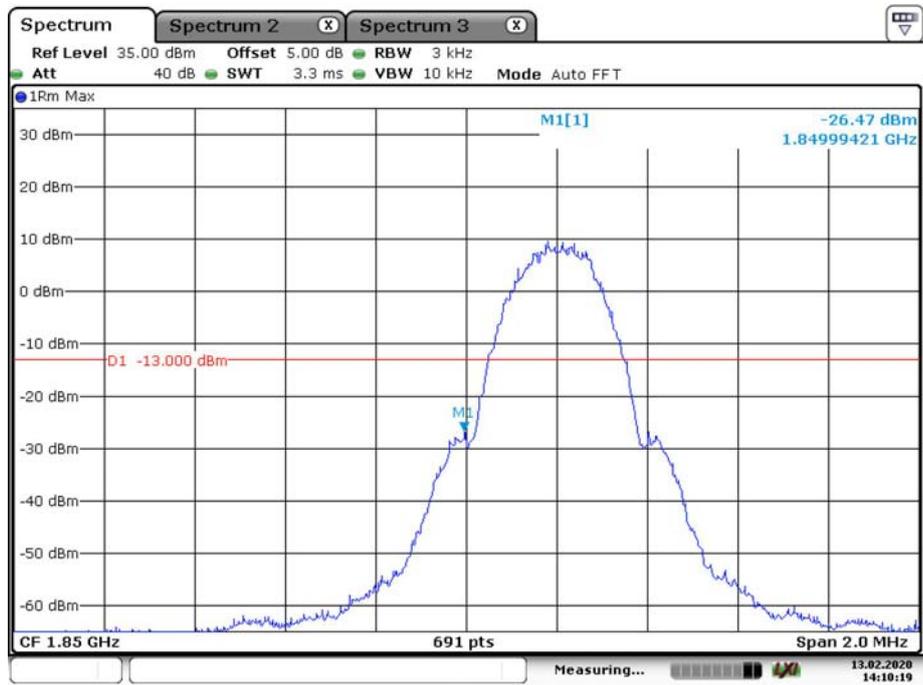
Date: 13.FEB.2020 12:15:23

### GSM 850, Right Band Edge



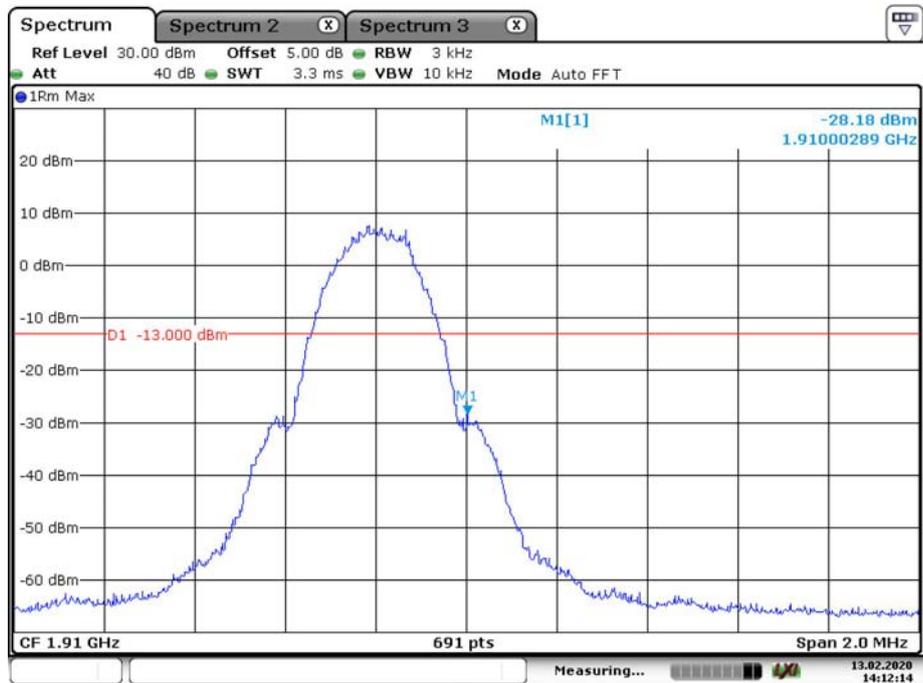
Date: 13.FEB.2020 12:28:41

### GSM 1900, Left Band Edge



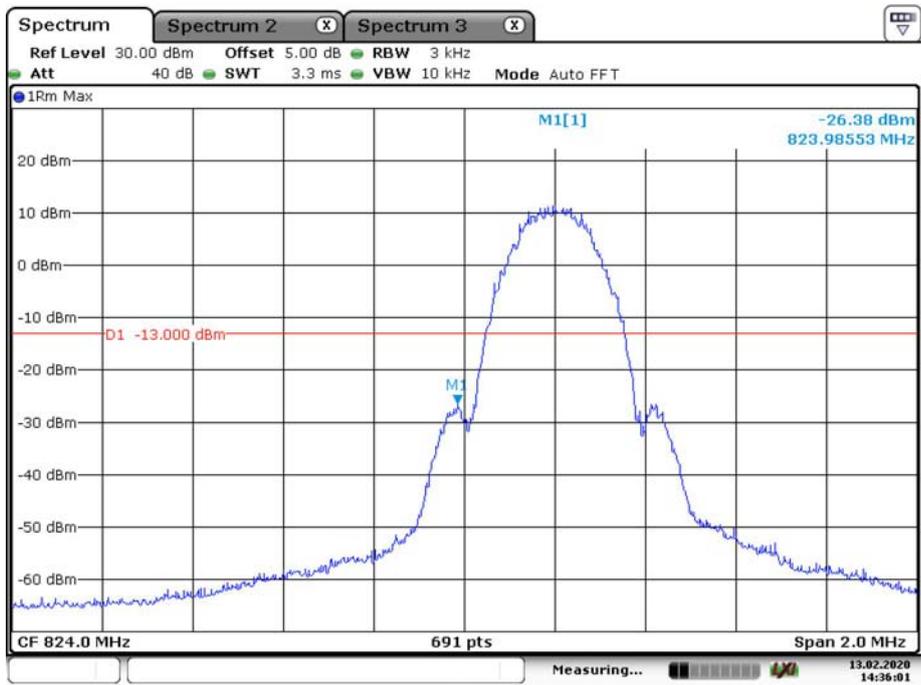
Date: 13.FEB.2020 14:10:19

### GSM 1900, Right Band Edge



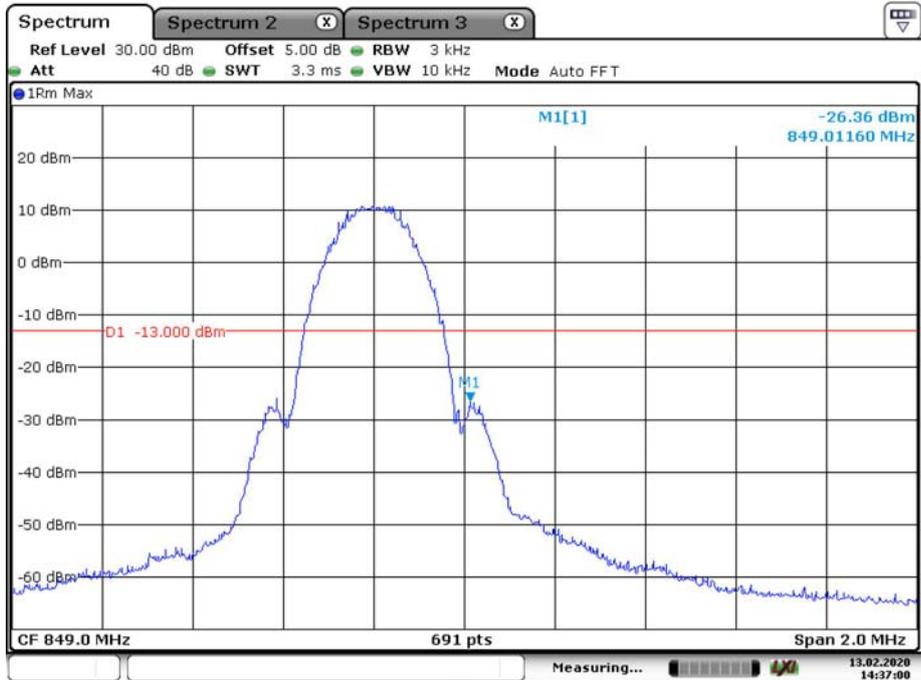
Date: 13.FEB.2020 14:12:14

### EDGE 850, Left Band Edge



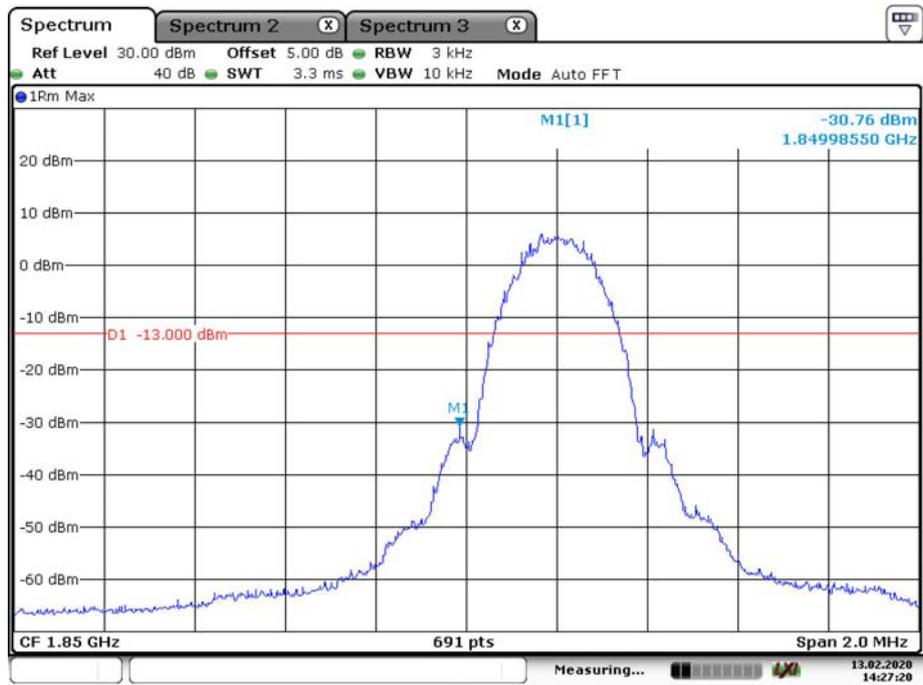
Date: 13.FEB.2020 14:36:01

### EDGE 850, Right Band Edge



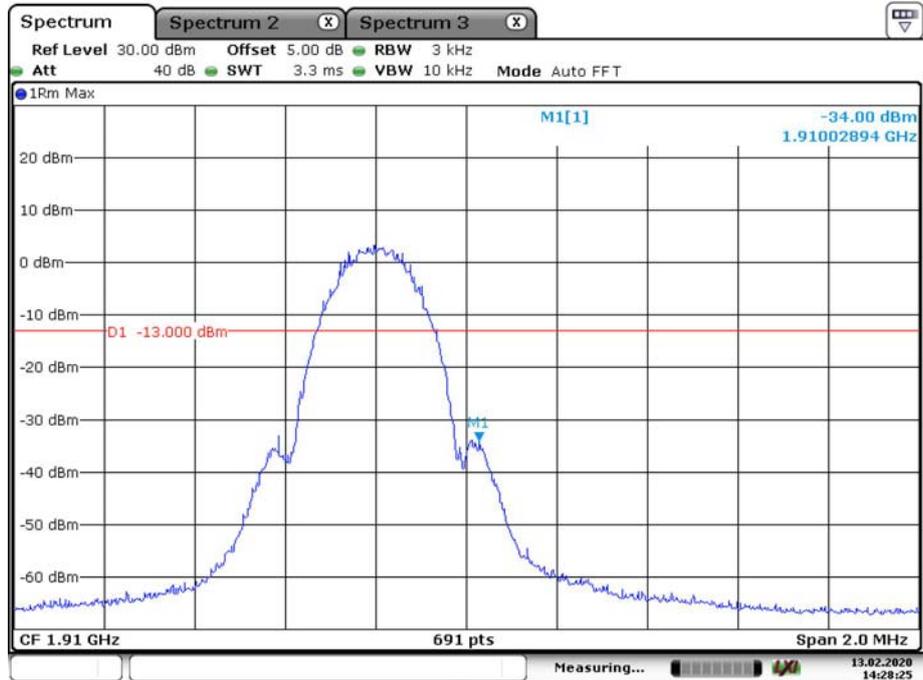
Date: 13.FEB.2020 14:37:00

### EDGE 1900, Left Band Edge



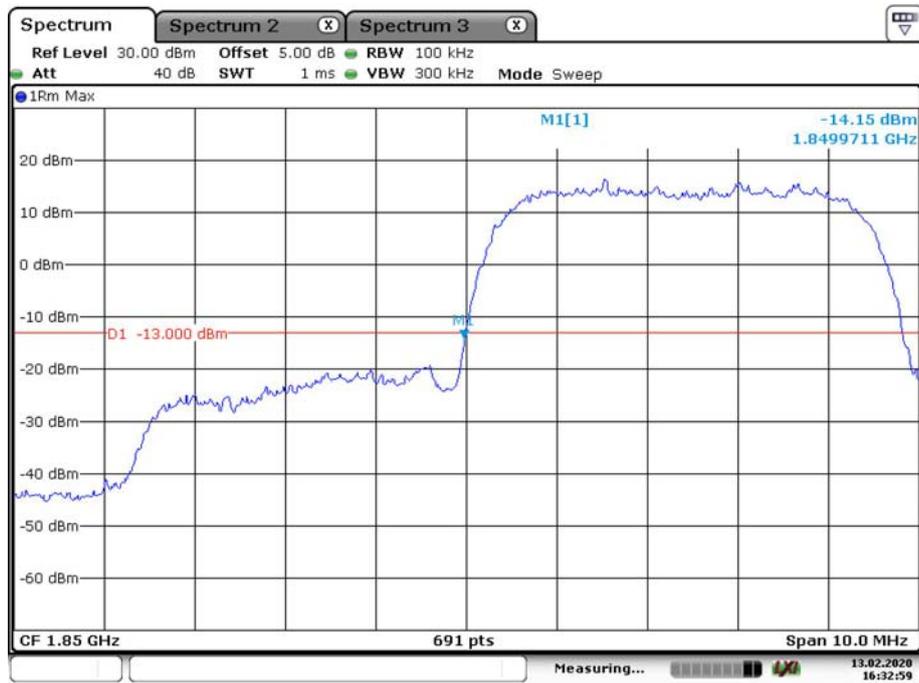
Date: 13.FEB.2020 14:27:20

### EDGE 1900, Right Band Edge



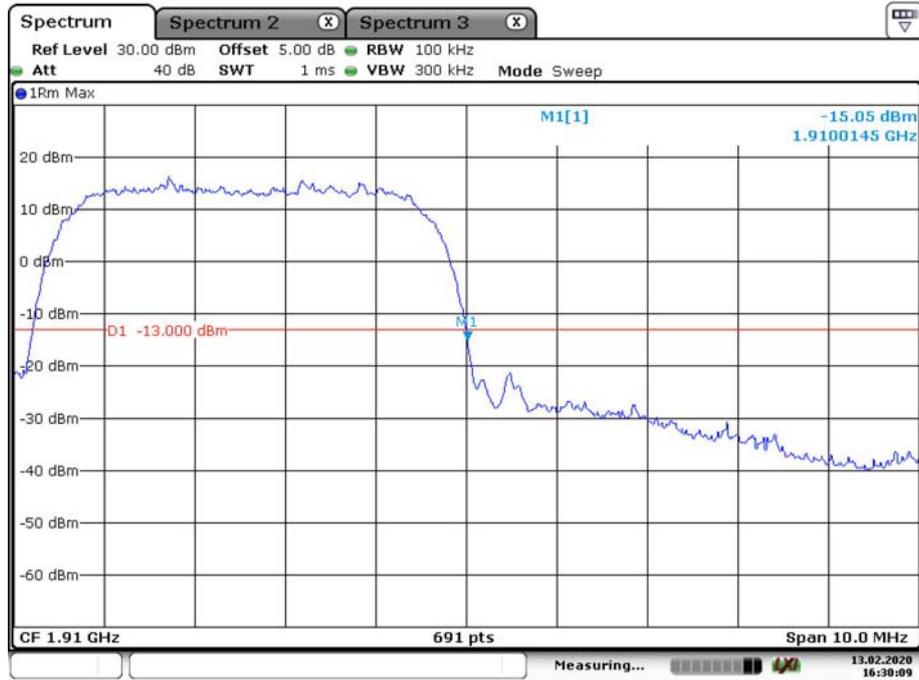
Date: 13.FEB.2020 14:28:25

### WCDMA Band II Rel 99, Left Band Edge



Date: 13.FEB.2020 16:33:00

### WCDMA Band II Rel 99, Right Band Edge



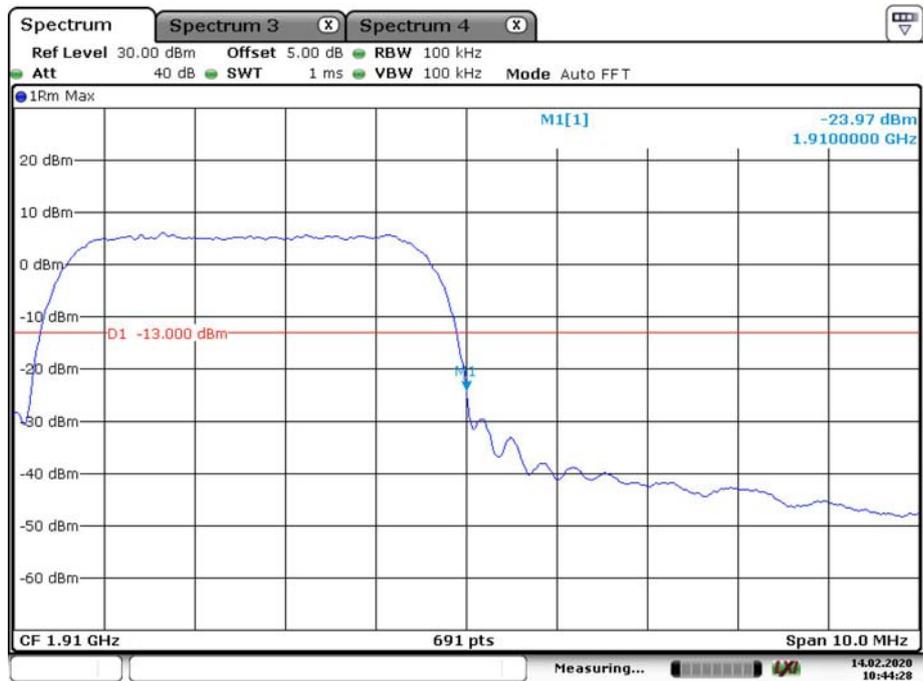
Date: 13.FEB.2020 16:30:10

### WCDMA Band II HSDPA, Left Band Edge



Date: 14.FEB.2020 10:45:29

### WCDMA Band II HSDPA, Right Band Edge



Date: 14.FEB.2020 10:44:28

### WCDMA Band II HSUPA, Left Band Edge



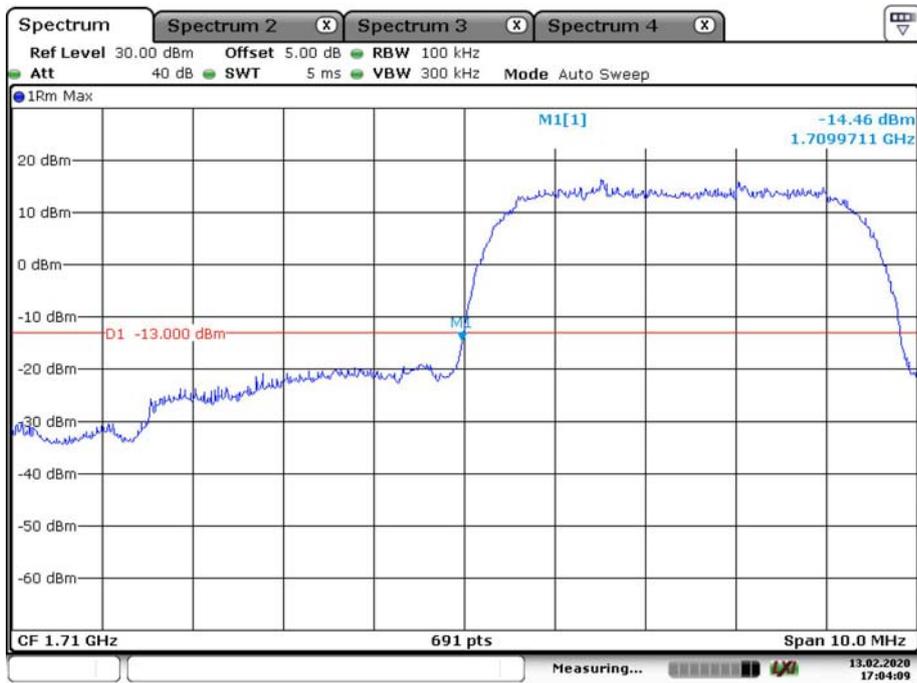
Date: 13.FEB.2020 19:24:29

### WCDMA Band II HSUPA, Right Band Edge



Date: 13.FEB.2020 19:25:13

### WCDMA Band IV Rel 99, Left Band Edge



Date: 13.FEB.2020 17:04:09

### WCDMA Band IV Rel 99, Right Band Edge



Date: 13.FEB.2020 17:05:05

### WCDMA Band IV HSDPA, Left Band Edge



Date: 14.FEB.2020 10:47:30

### WCDMA Band IV HSDPA, Right Band Edge



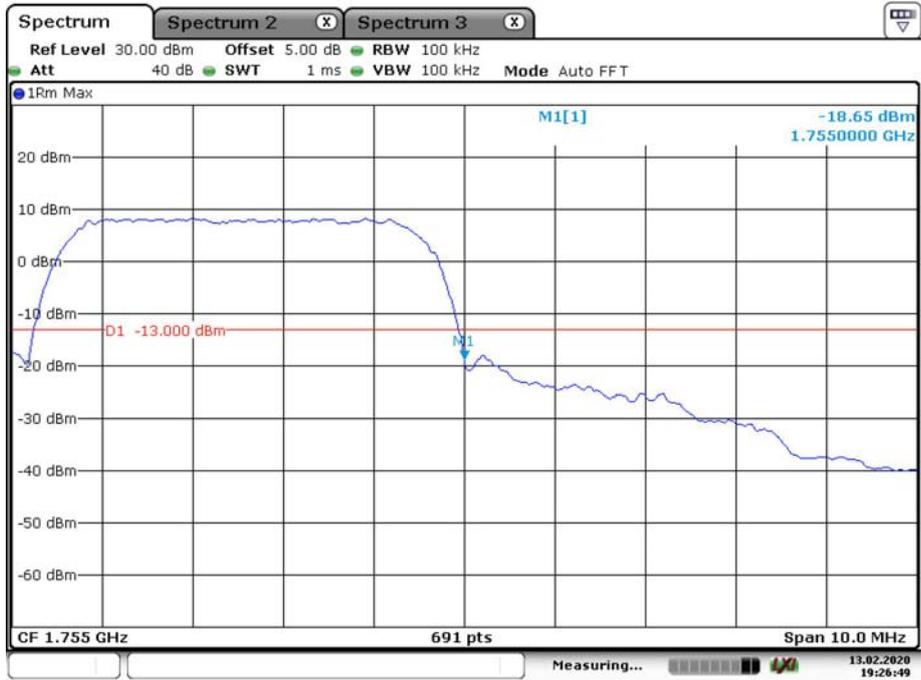
Date: 14.FEB.2020 10:48:21

### WCDMA Band IV HSUPA, Left Band Edge



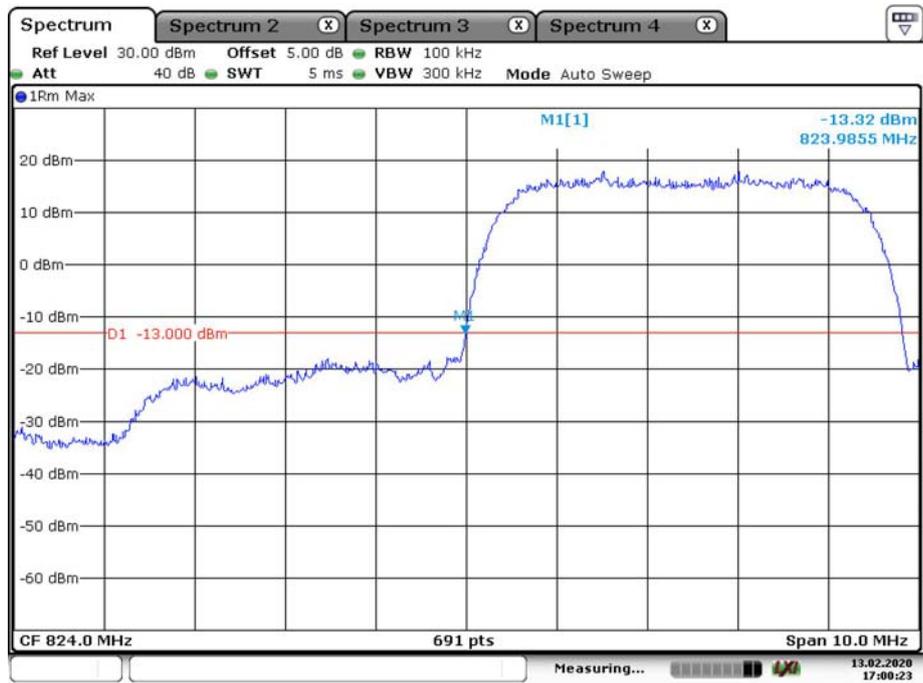
Date: 13.FEB.2020 19:26:07

### WCDMA Band IV HSUPA, Right Band Edge



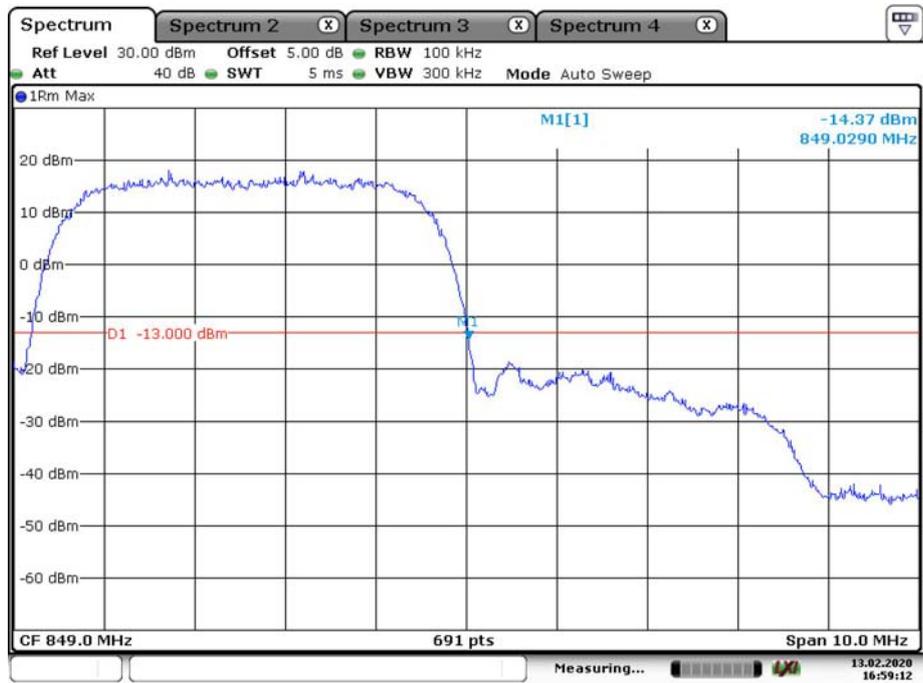
Date: 13.FEB.2020 19:26:49

### WCDMA Band V Rel 99, Left Band Edge



Date: 13.FEB.2020 17:00:23

### WCDMA Band V Rel 99, Right Band Edge



Date: 13.FEB.2020 16:59:13

### WCDMA Band V HSDPA, Left Band Edge



Date: 13.FEB.2020 19:33:20

### WCDMA Band V HSDPA, Right Band Edge



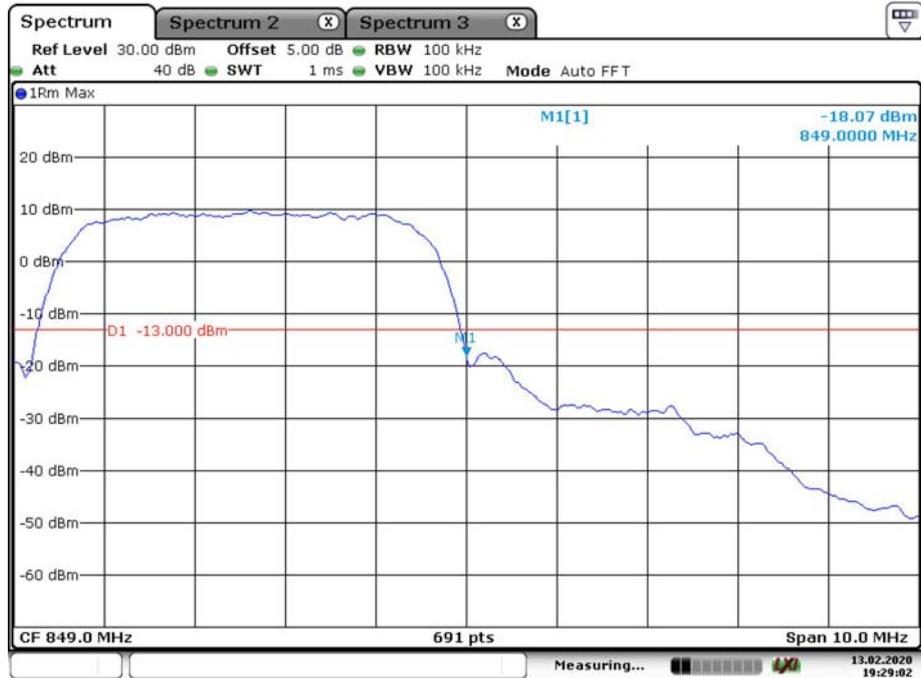
Date: 13.FEB.2020 19:34:04

### WCDMA Band V HSUPA, Left Band Edge



Date: 13.FEB.2020 19:10:32

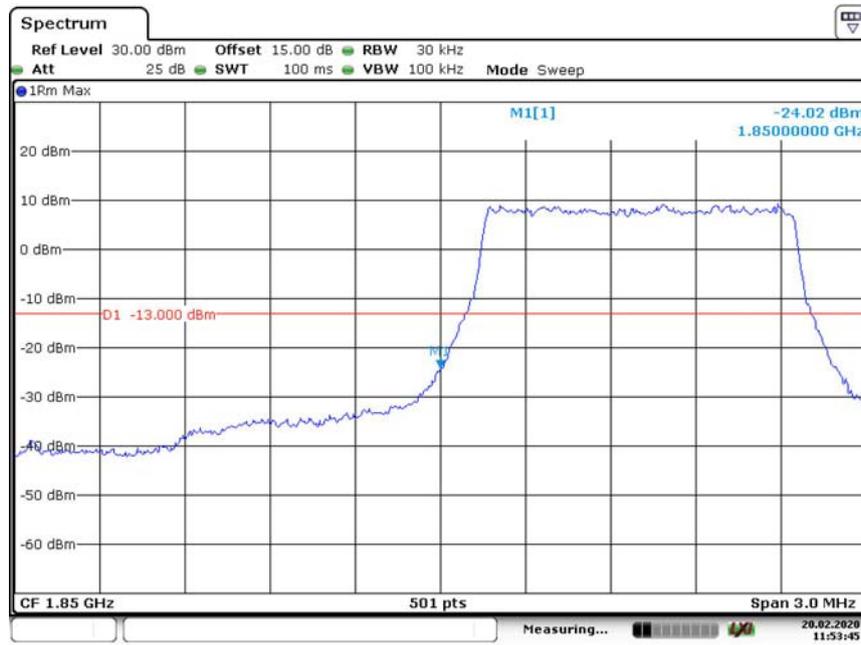
### WCDMA Band V HSUPA, Right Band Edge



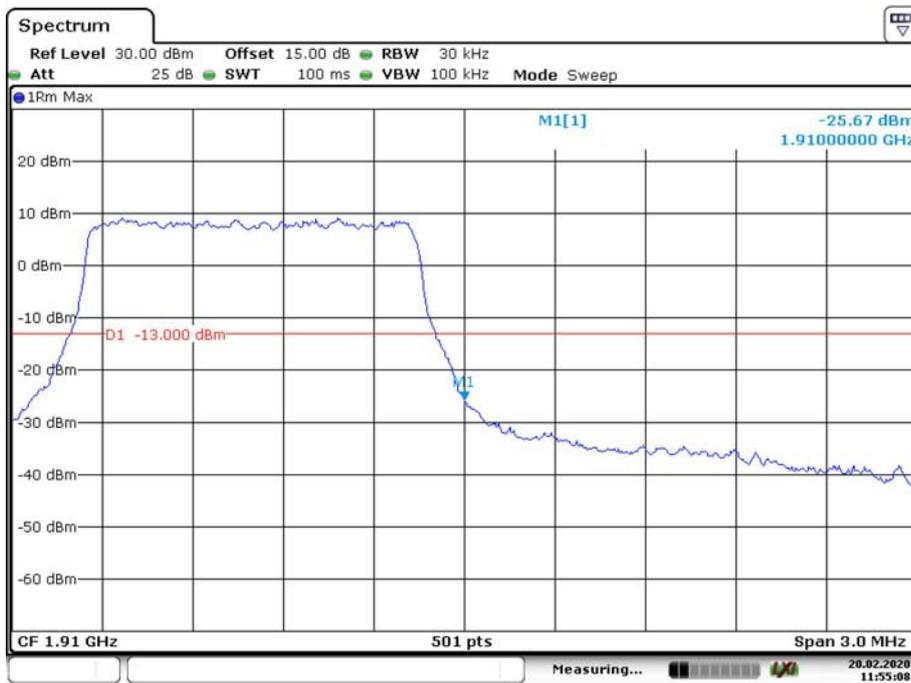
Date: 13.FEB.2020 19:29:03

LTE Band 2

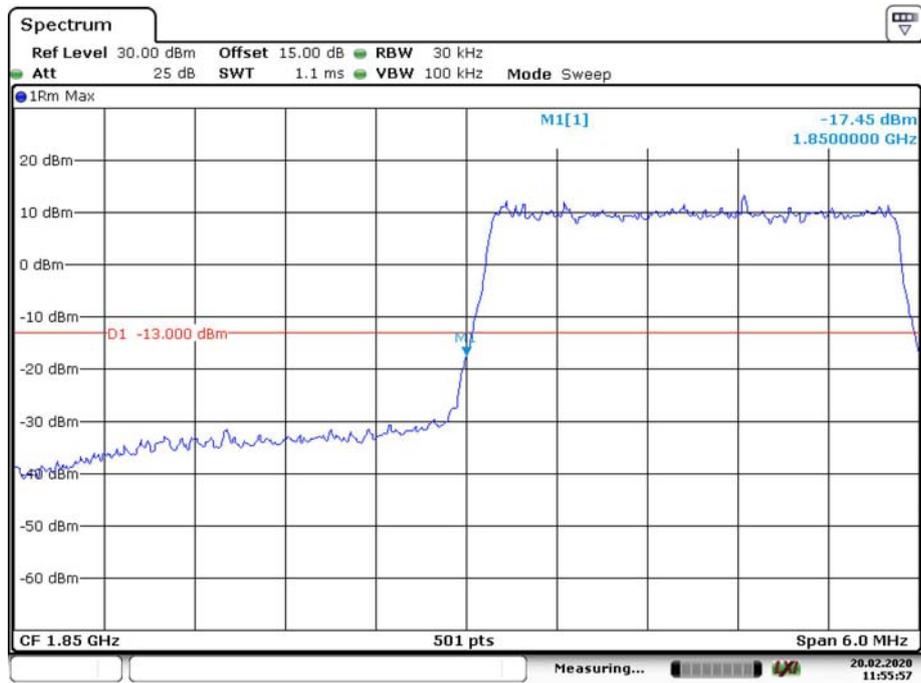
QPSK\_1.4MHz\_6 RB\_Left



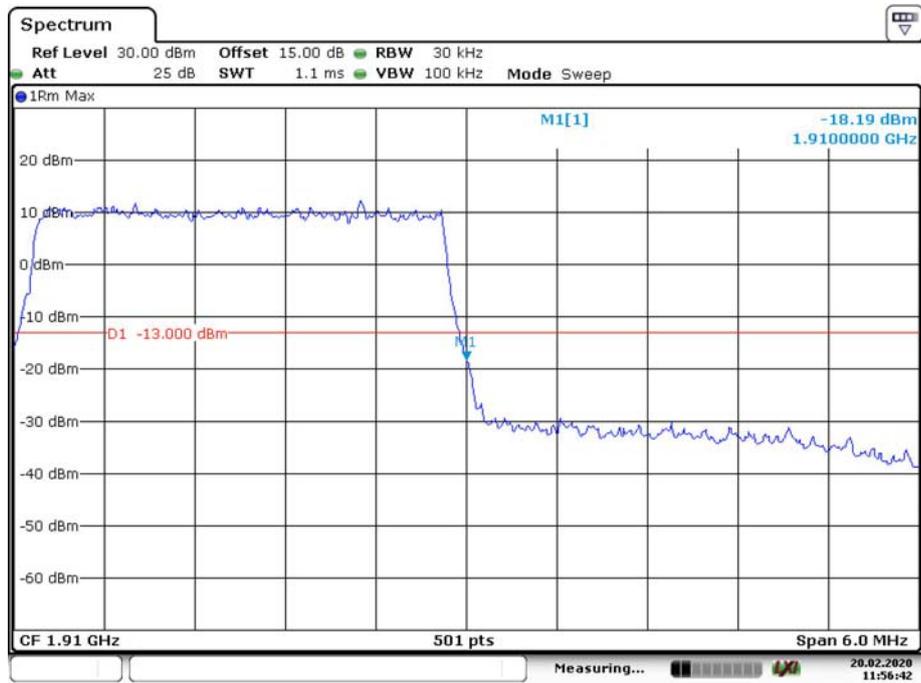
QPSK\_1.4MHz\_6 RB\_Right



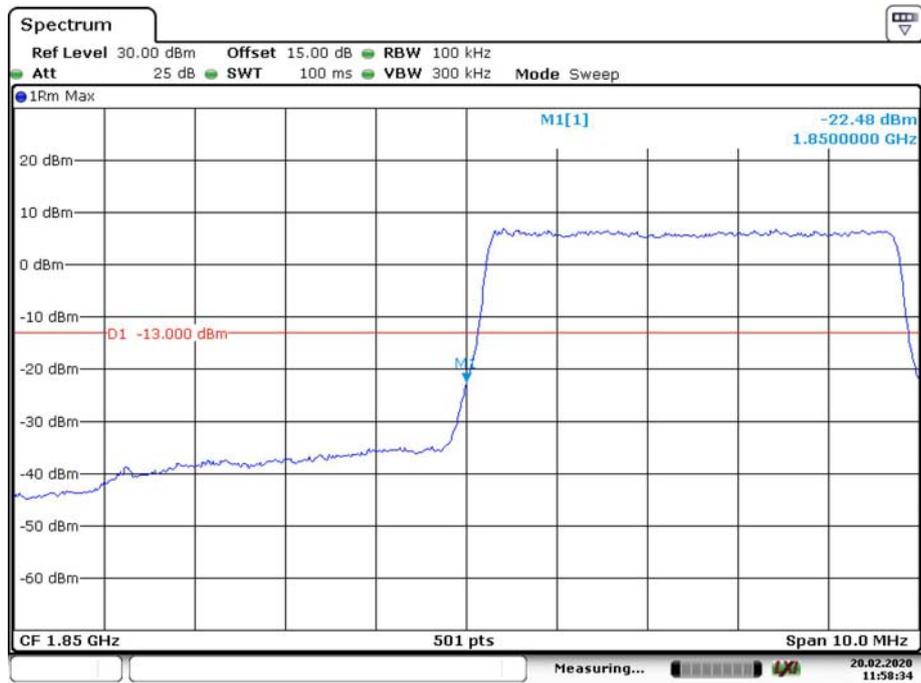
### QPSK\_3MHz\_15 RB\_Left



### QPSK\_3MHz\_15 RB\_Right

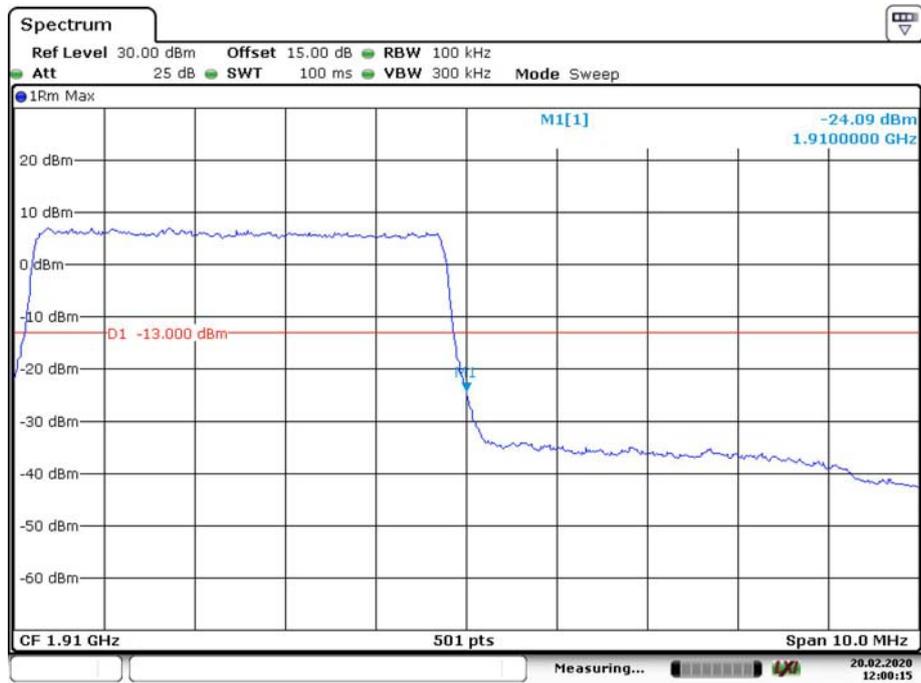


### QPSK\_5MHz\_25 RB\_ Left



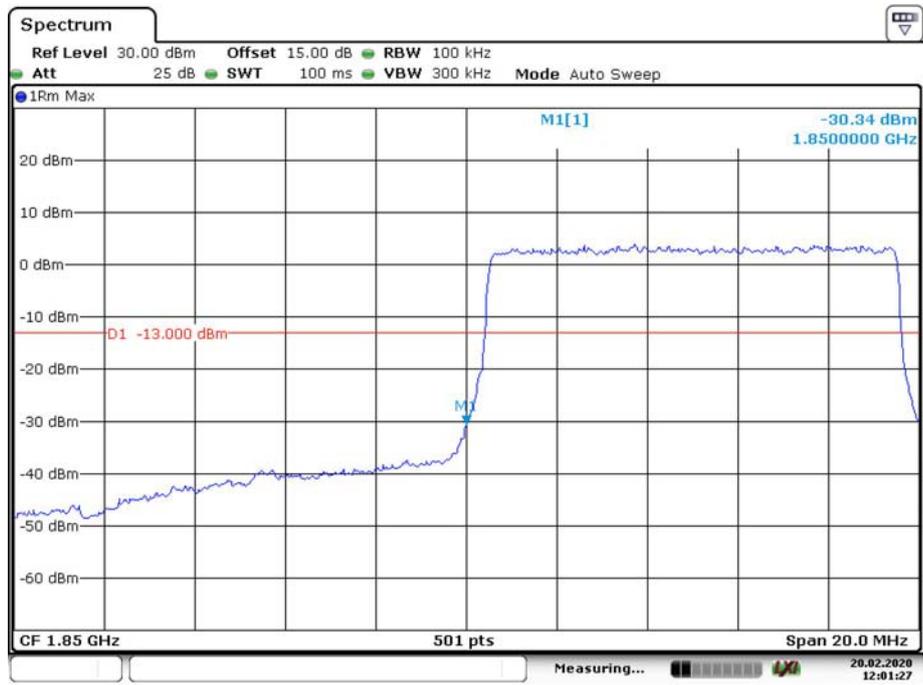
Date: 20.FEB.2020 11:58:34

### QPSK\_5MHz\_25 RB\_ Right

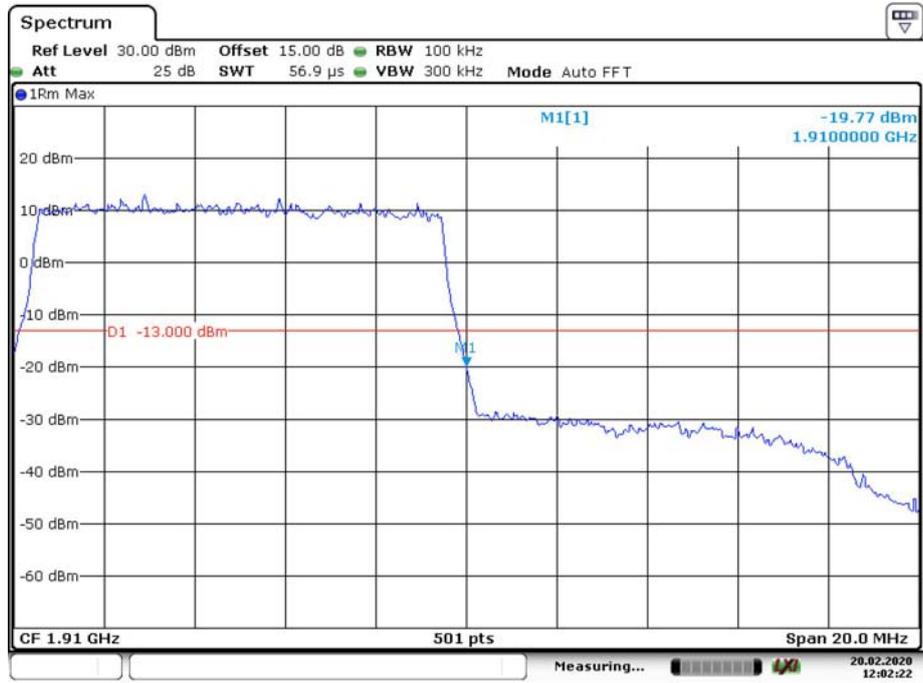


Date: 20.FEB.2020 12:00:15

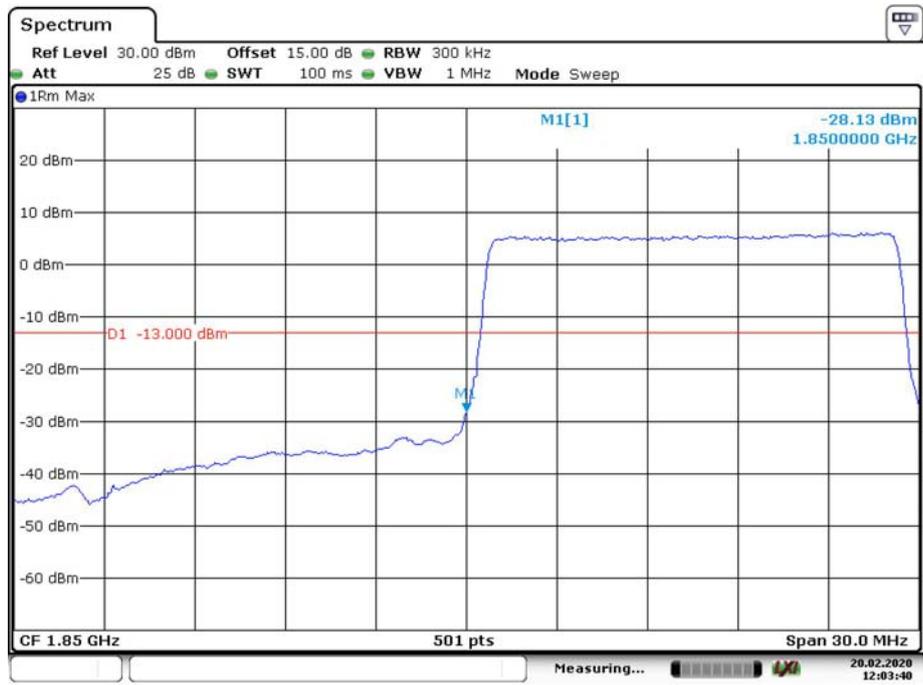
### QPSK\_10MHz\_50 RB\_Left



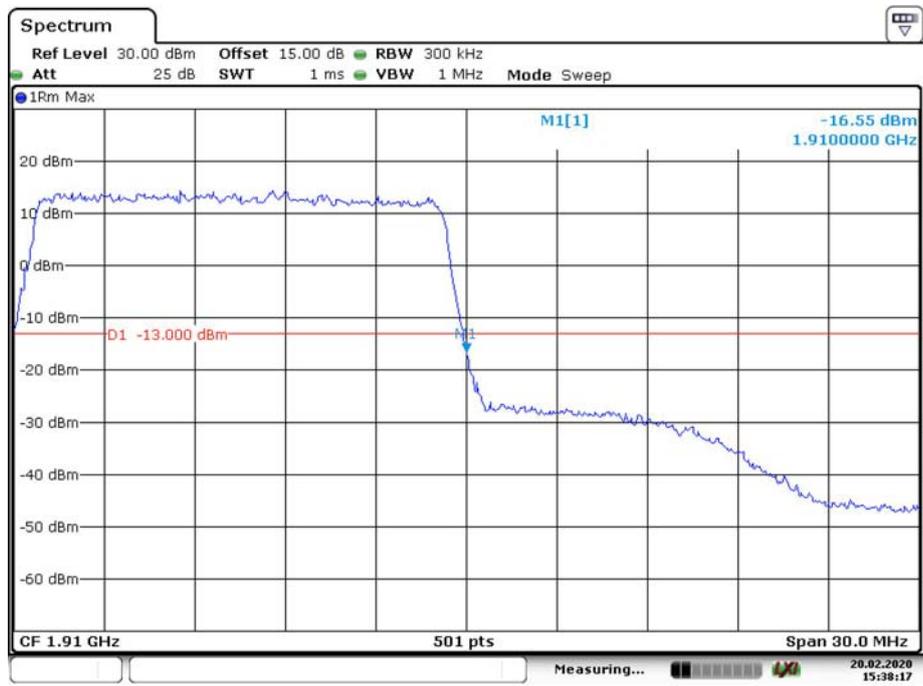
### QPSK\_10MHz\_50 RB\_Right



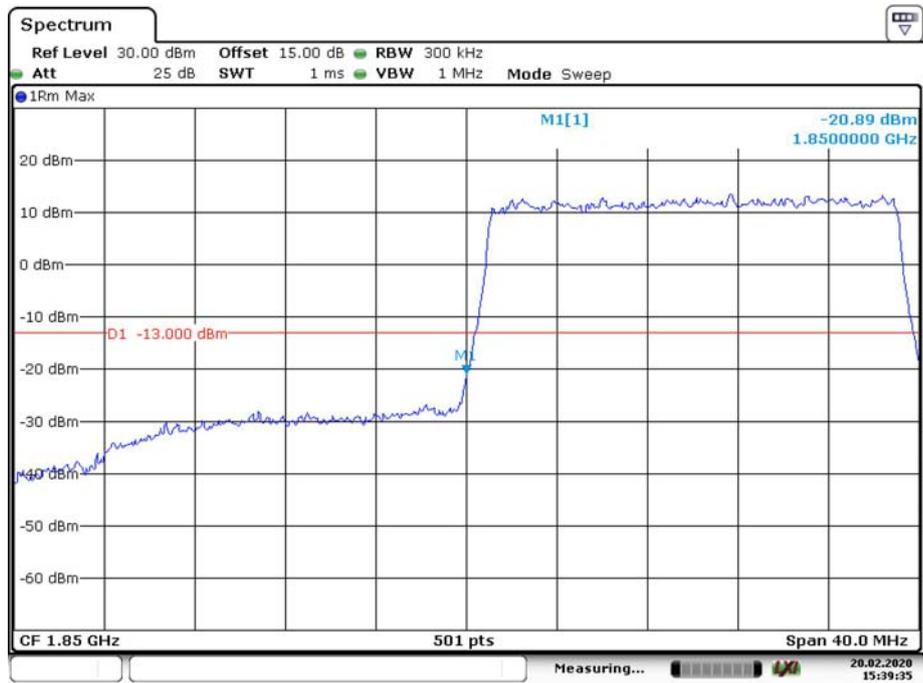
### QPSK\_15MHz\_75 RB\_Left



### QPSK\_15MHz\_75 RB\_Right

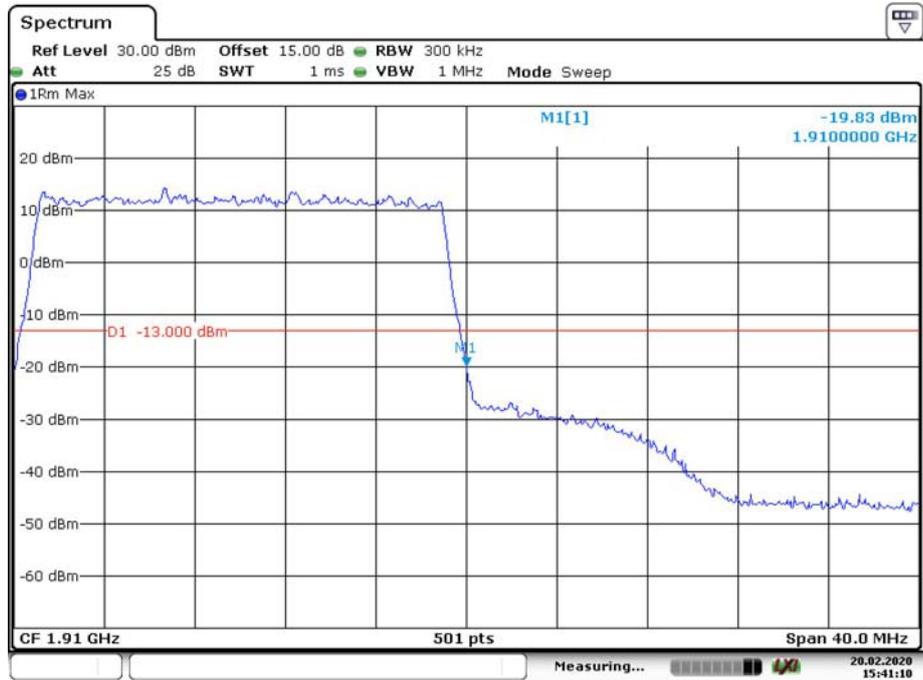


### QPSK\_20MHz\_FULL RB\_Left



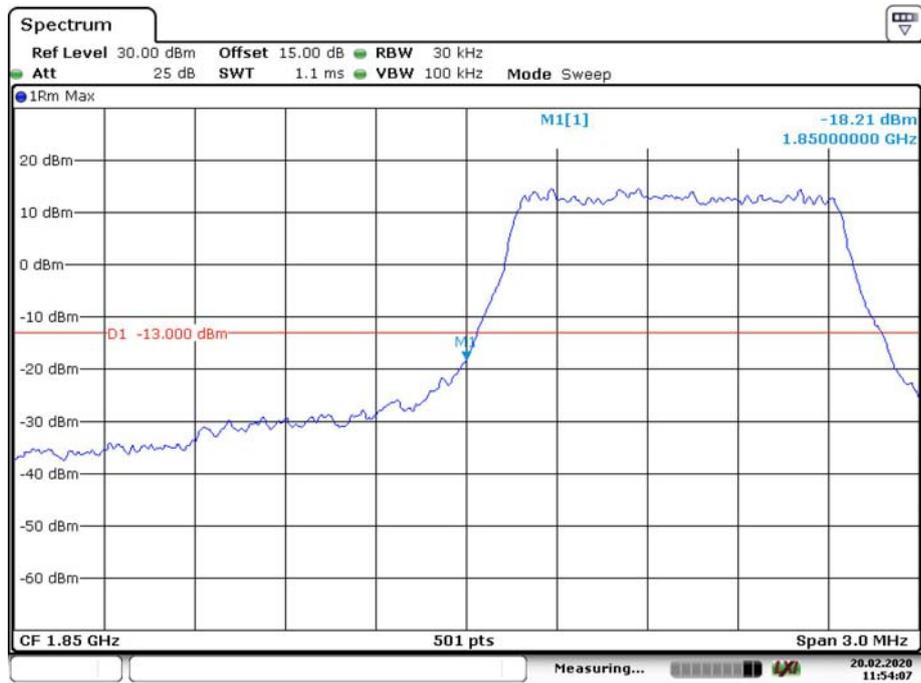
Date: 20.FEB.2020 15:39:35

### QPSK\_20MHz\_FULL RB\_Right



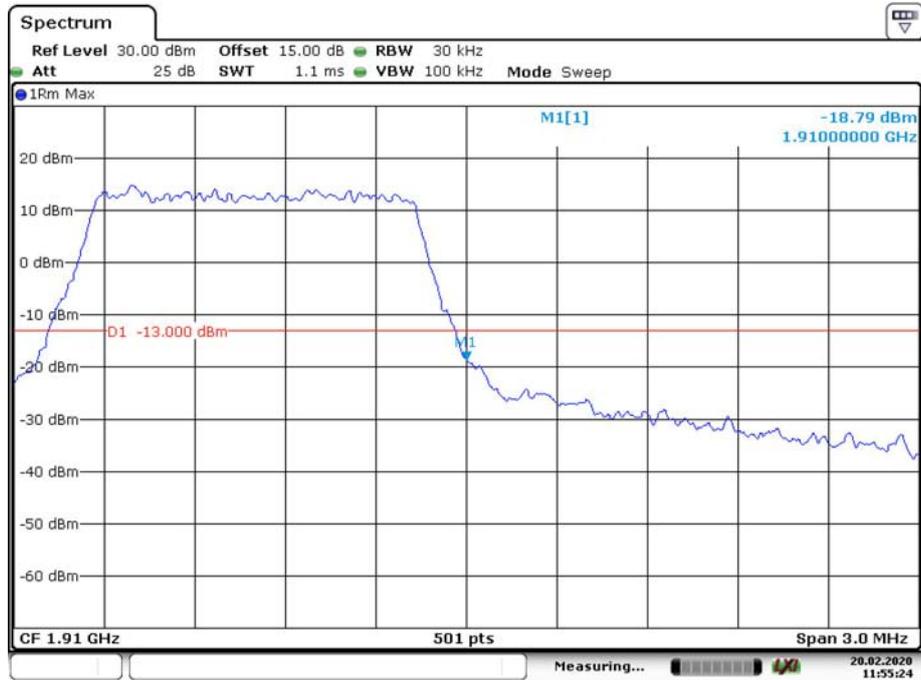
Date: 20.FEB.2020 15:41:10

### 16QAM\_1.4MHz\_6 RB\_Left



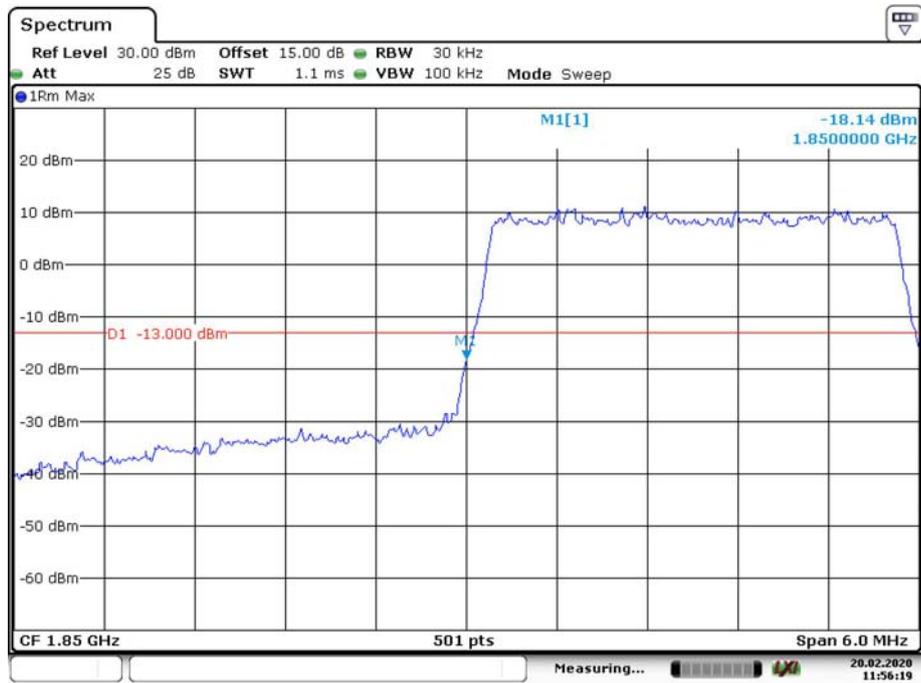
Date: 20.FEB.2020 11:54:08

### 16QAM\_1.4MHz\_6 RB\_Right



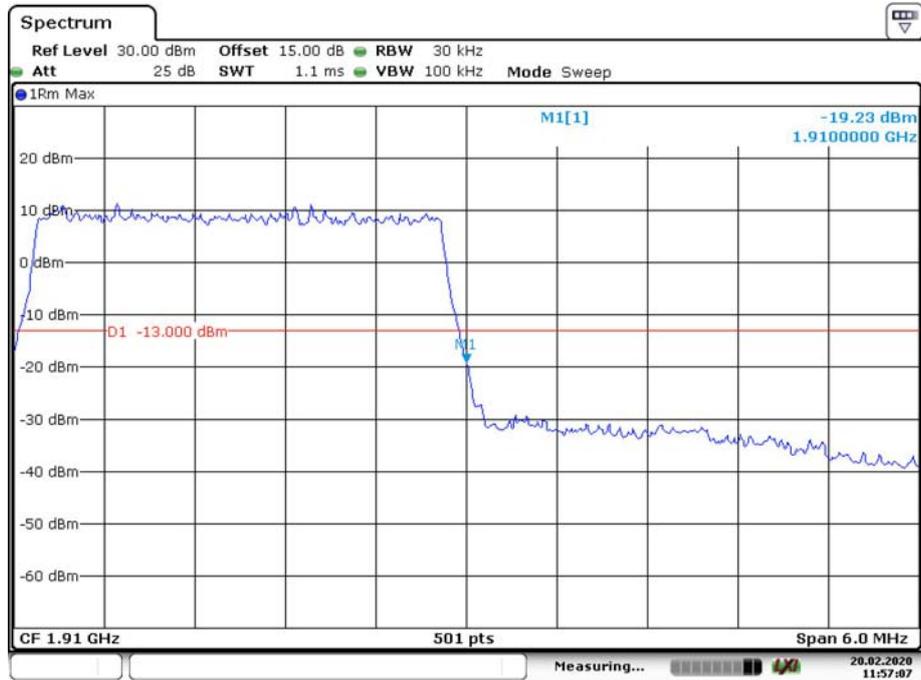
Date: 20.FEB.2020 11:55:25

### 16QAM\_3MHz\_15 RB\_Left



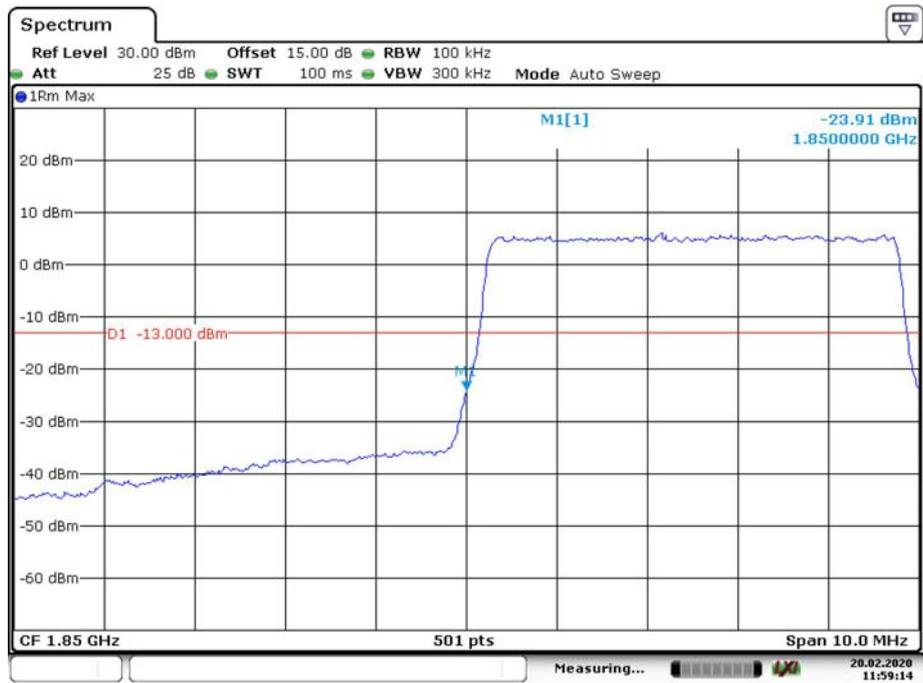
Date: 20.FEB.2020 11:56:20

### 16QAM\_3MHz\_15 RB\_Right



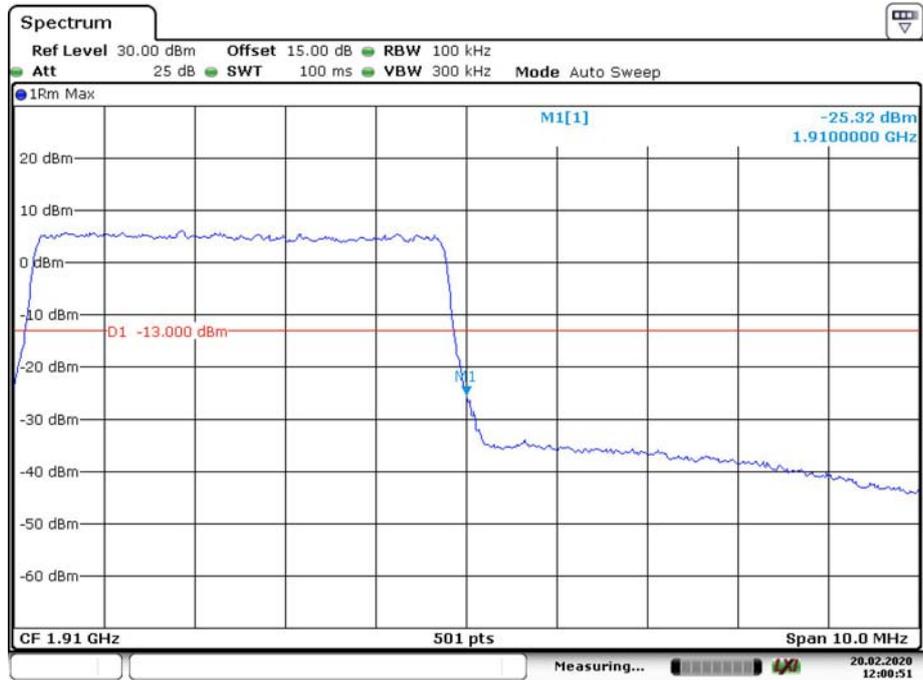
Date: 20.FEB.2020 11:57:08

### 16QAM\_5MHz\_25 RB\_Left



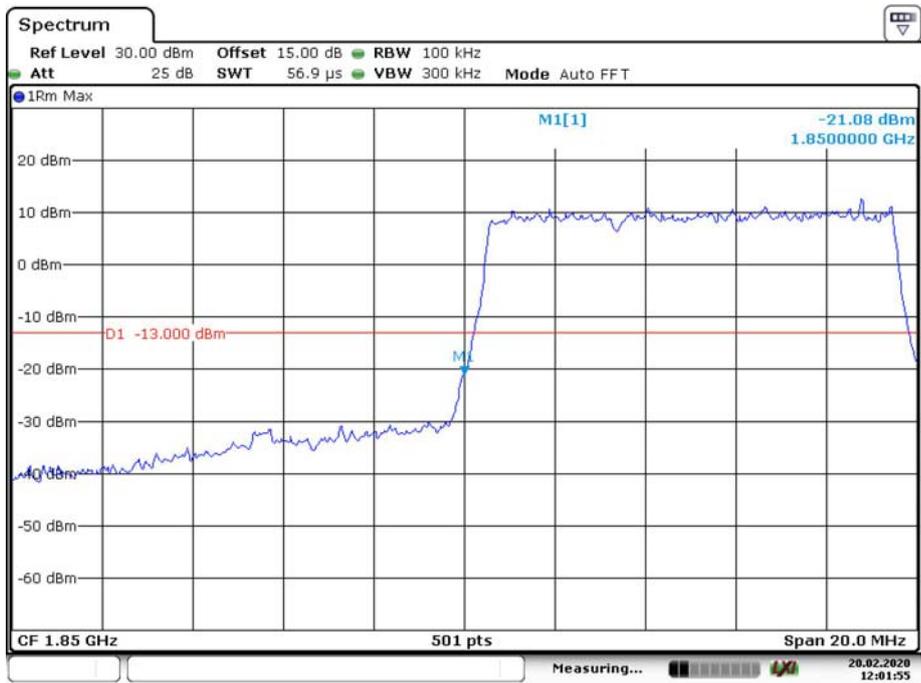
Date: 20.FEB.2020 11:59:14

### 16QAM\_5MHz\_25 RB\_Right



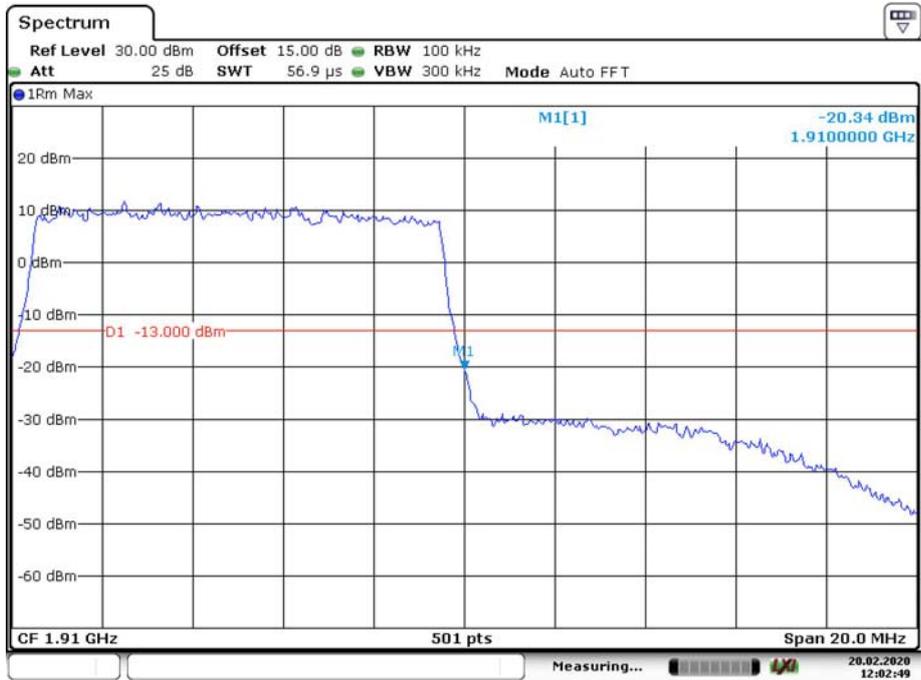
Date: 20.FEB.2020 12:00:52

### 16QAM\_10MHz\_ 50 RB\_ Left



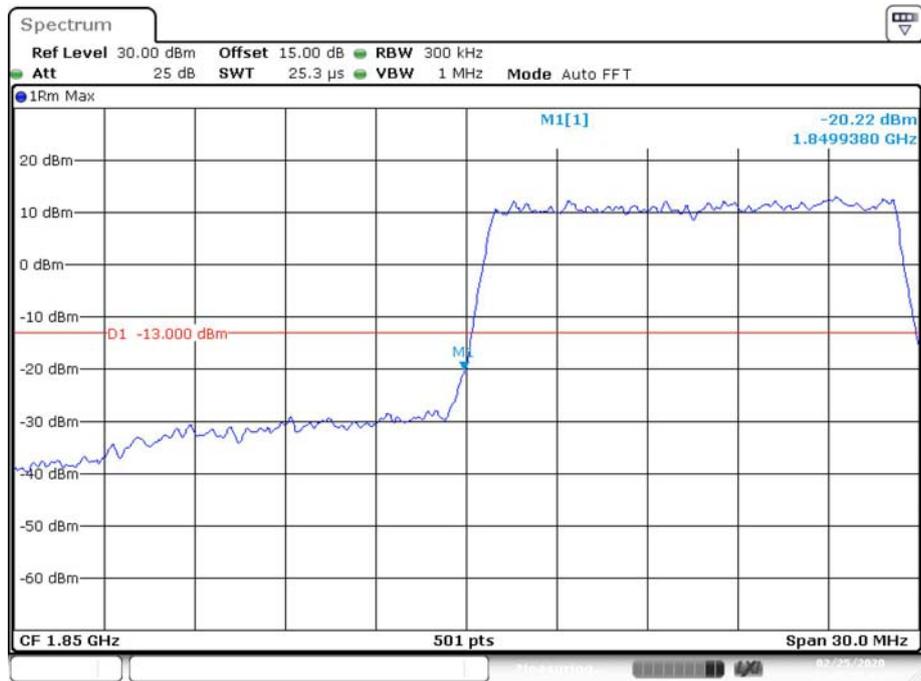
Date: 20.FEB.2020 12:01:55

### 16QAM\_10MHz\_ 50 RB\_ Right



Date: 20.FEB.2020 12:02:49

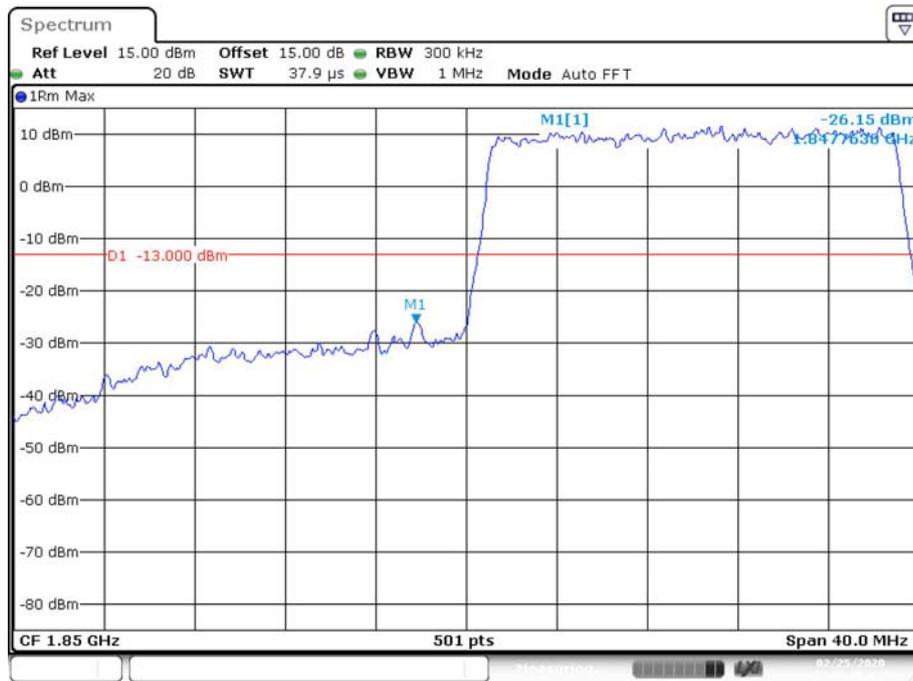
### 16QAM\_15MHz\_75 RB\_Left



### 16QAM\_15MHz\_75 RB\_Right



### 16QAM\_20MHz\_FULL RB\_Left

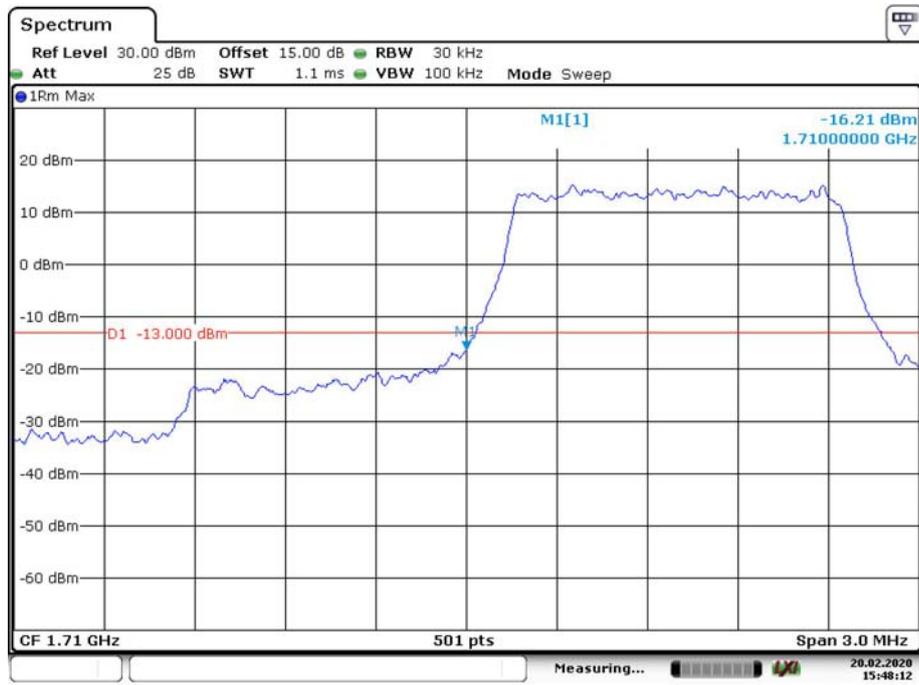


### 16QAM\_20MHz\_FULL RB\_Right



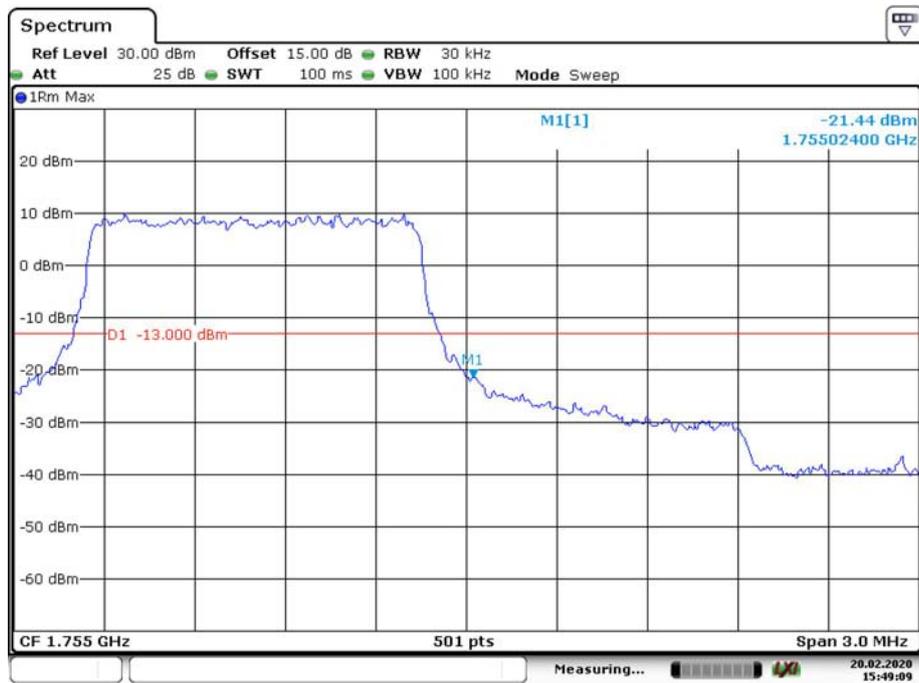
LTE Band 4

QPSK\_1.4MHz\_6 RB\_Left



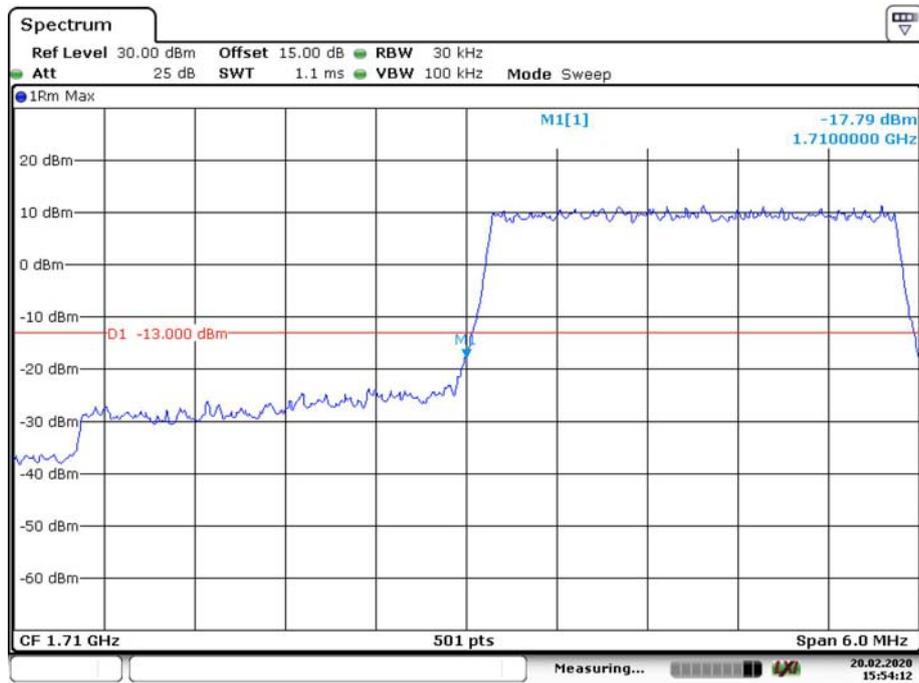
Date: 20.FEB.2020 15:48:12

QPSK\_1.4MHz\_6 RB\_Right



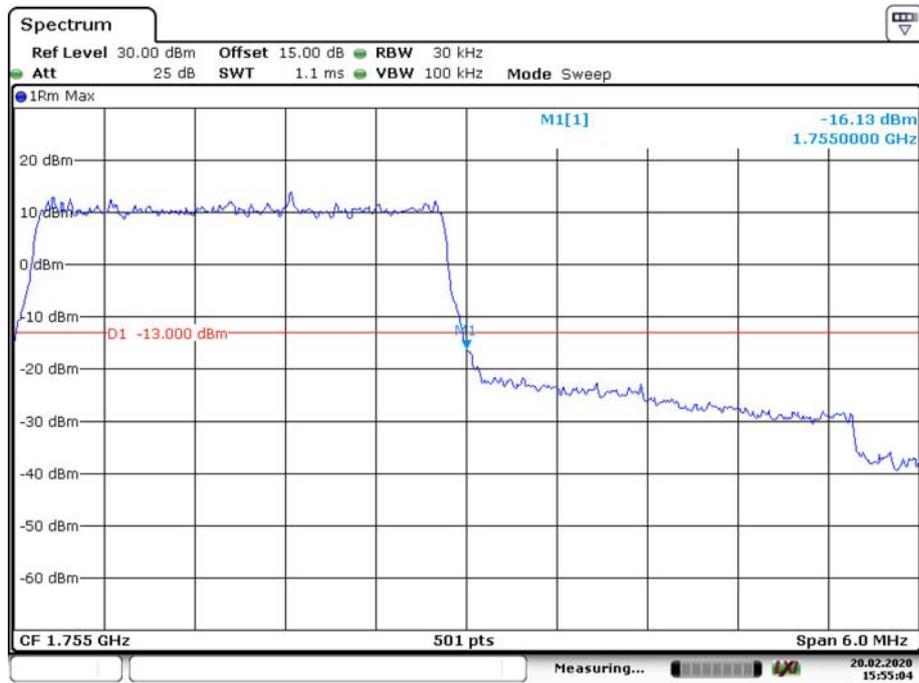
Date: 20.FEB.2020 15:49:09

### QPSK\_3MHz\_15 RB\_Left



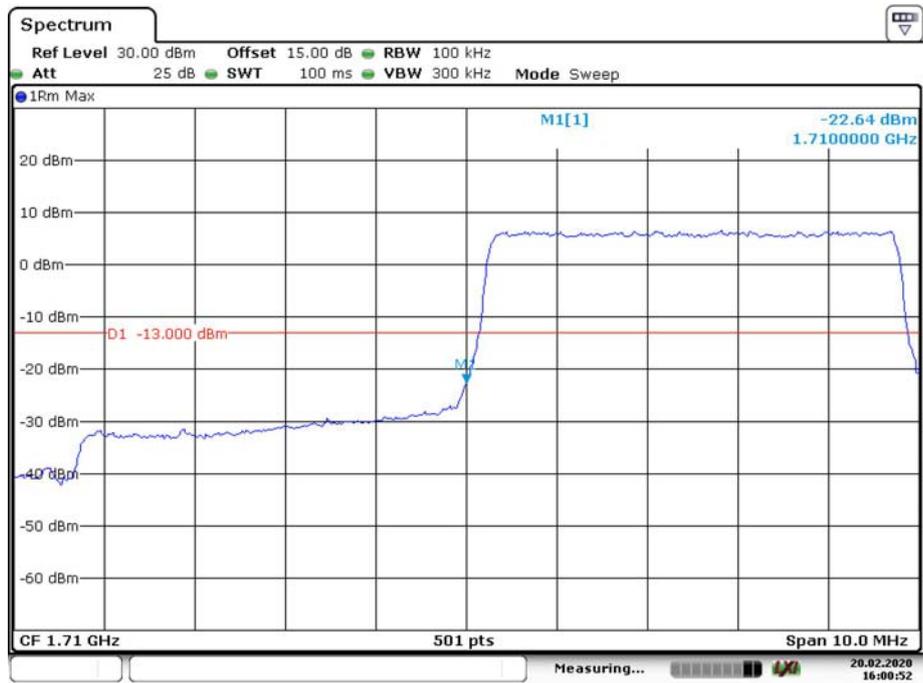
Date: 20.FEB.2020 15:54:12

### QPSK\_3MHz\_15 RB\_Right



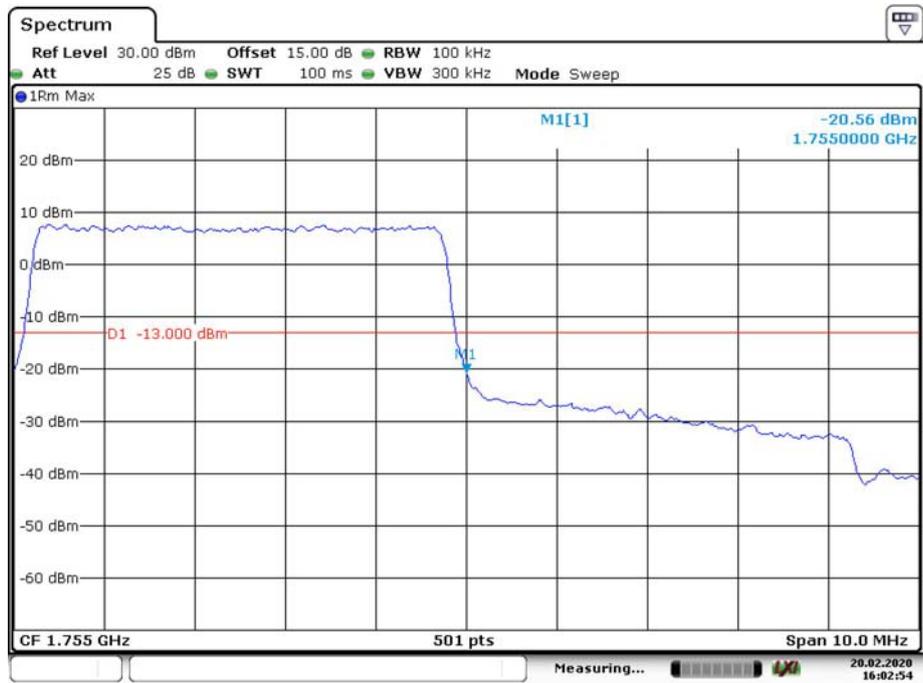
Date: 20.FEB.2020 15:55:04

### QPSK\_5MHz\_25 RB\_ Left



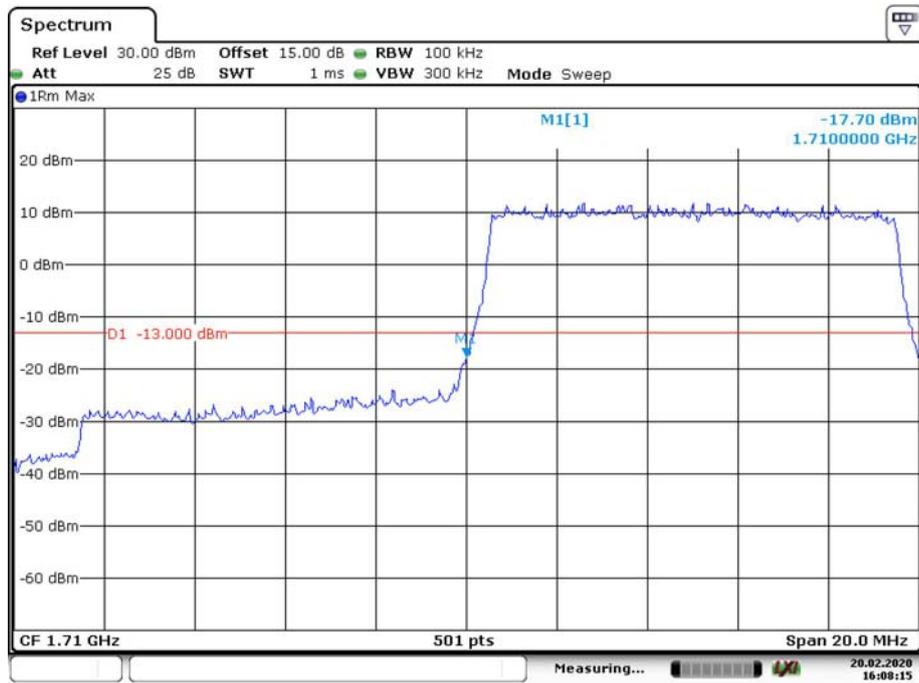
Date: 20.FEB.2020 16:00:52

### QPSK\_5MHz\_25 RB\_ Right

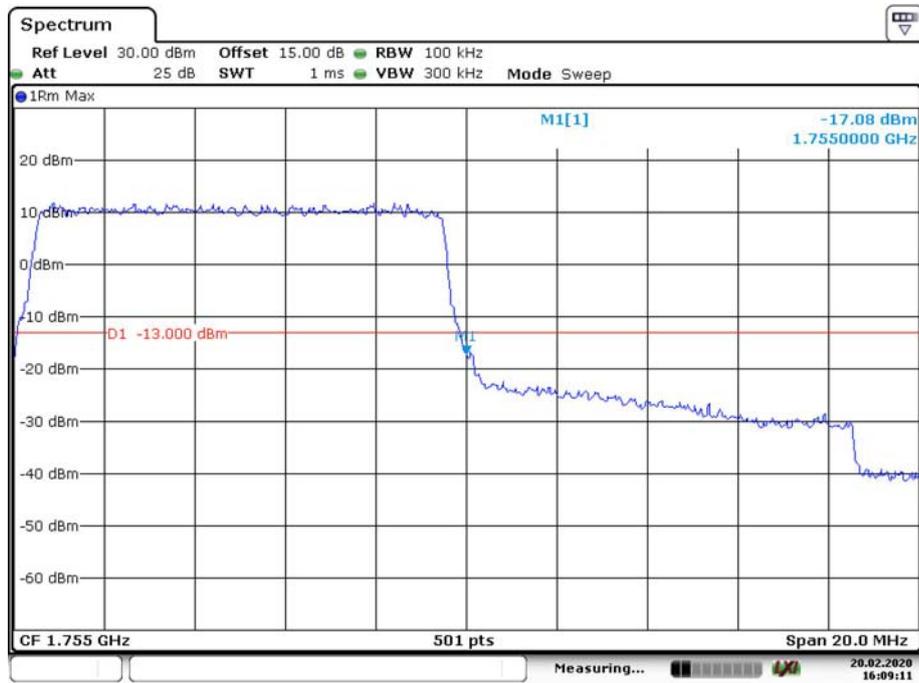


Date: 20.FEB.2020 16:02:54

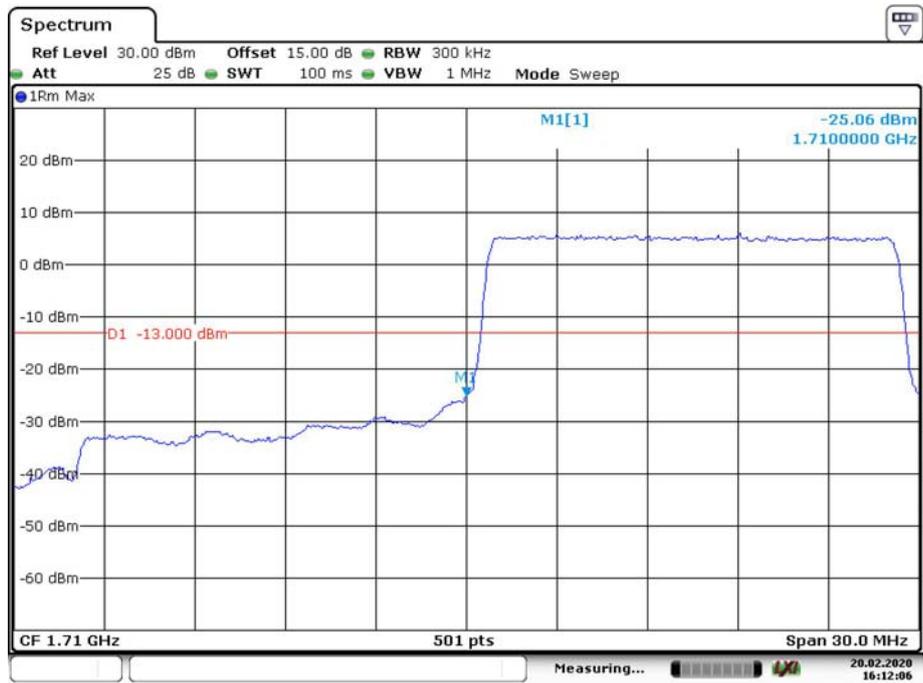
### QPSK\_10MHz\_50 RB\_Left



### QPSK\_10MHz\_50 RB\_Right



### QPSK\_15MHz\_75 RB\_ Left



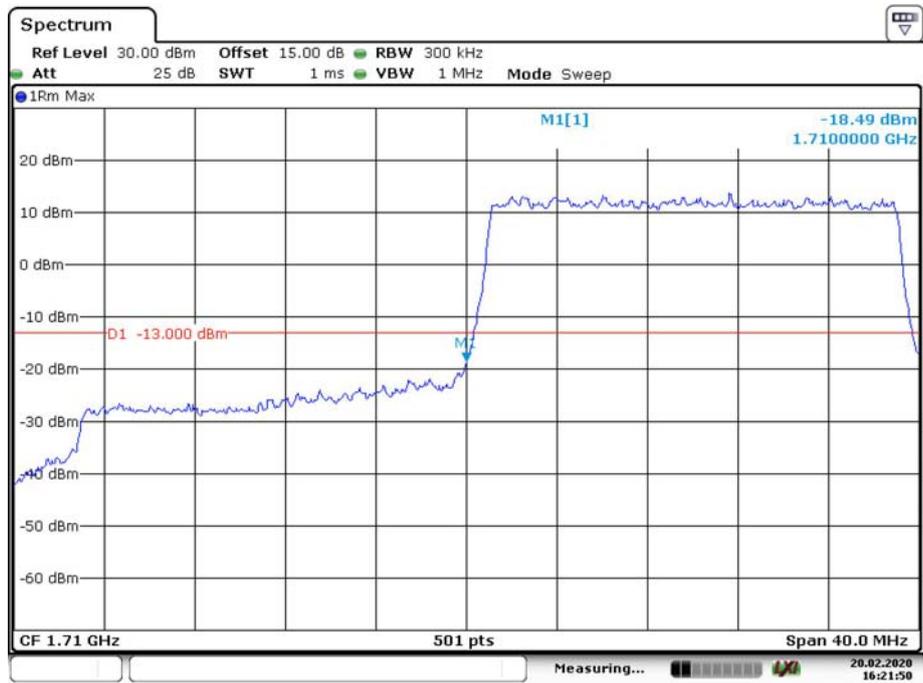
Date: 20.FEB.2020 16:12:06

### QPSK\_15MHz\_75 RB\_ Right



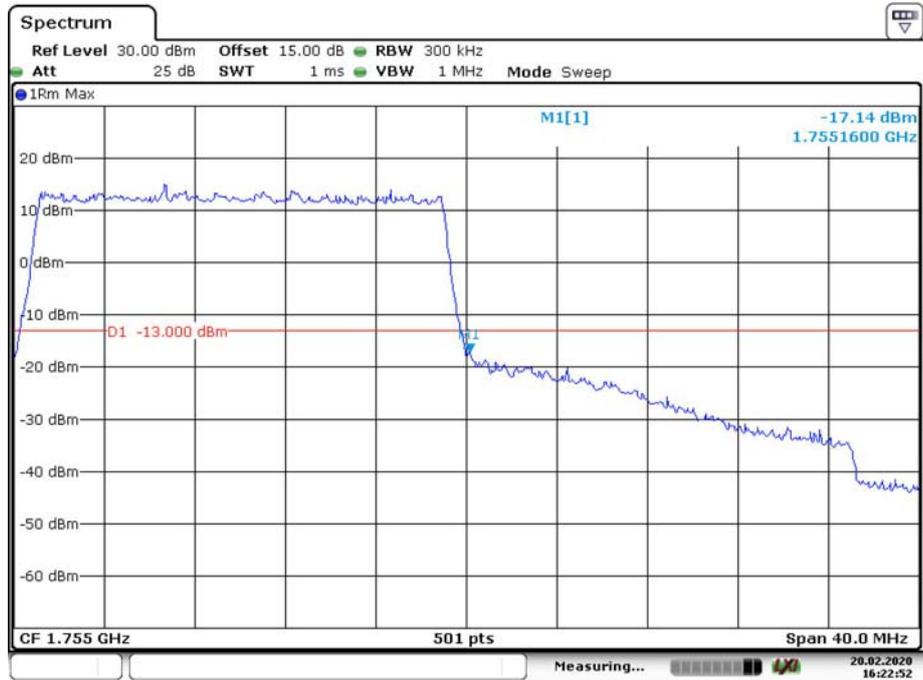
Date: 20.FEB.2020 16:13:30

### QPSK\_20MHz\_FULL RB\_Left



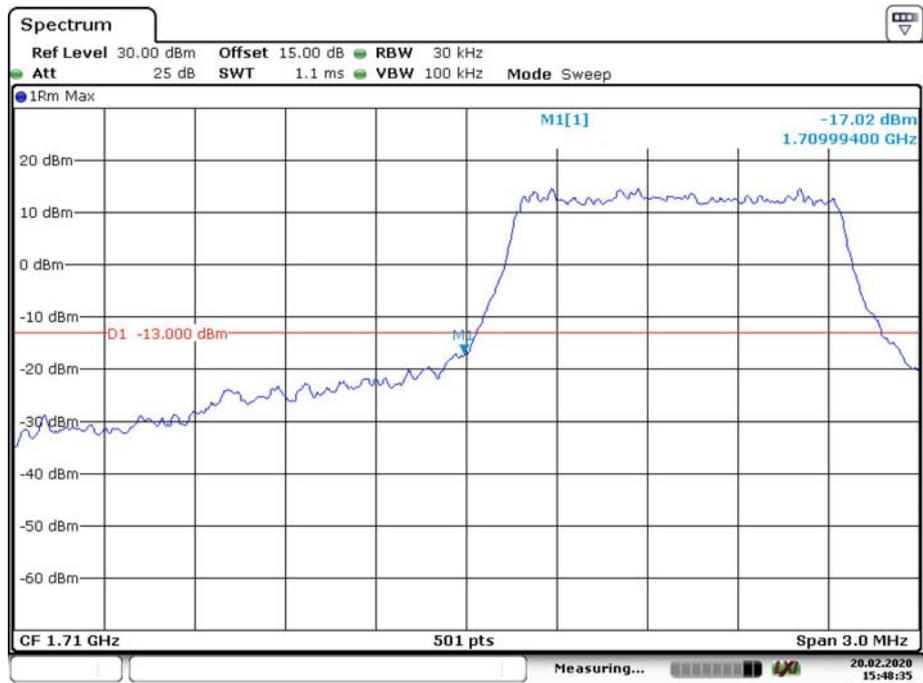
Date: 20.FEB.2020 16:21:50

### QPSK\_20MHz\_FULL RB\_Right



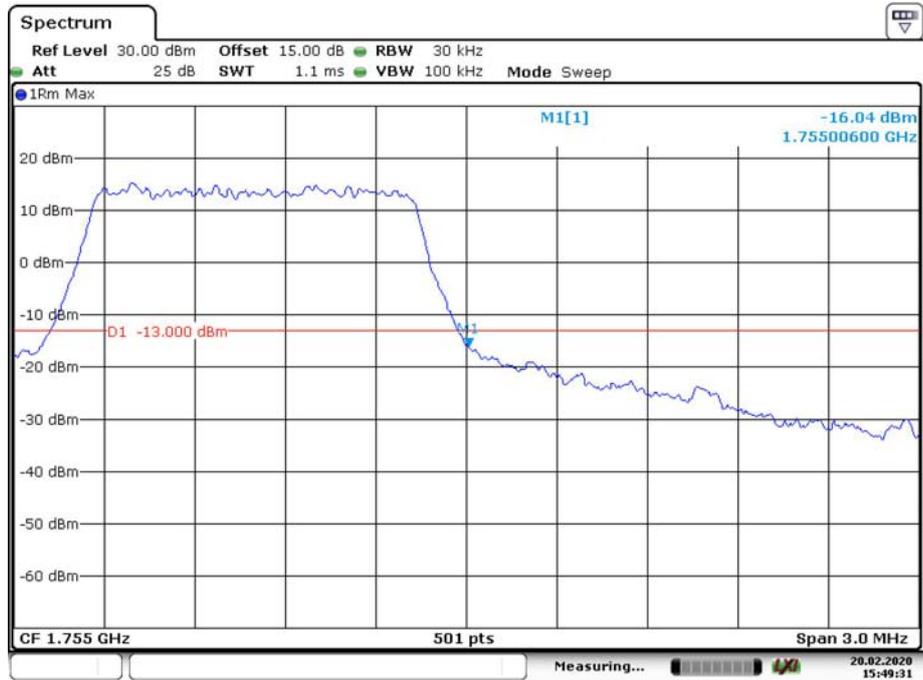
Date: 20.FEB.2020 16:22:52

### 16QAM\_1.4MHz\_6 RB\_Left



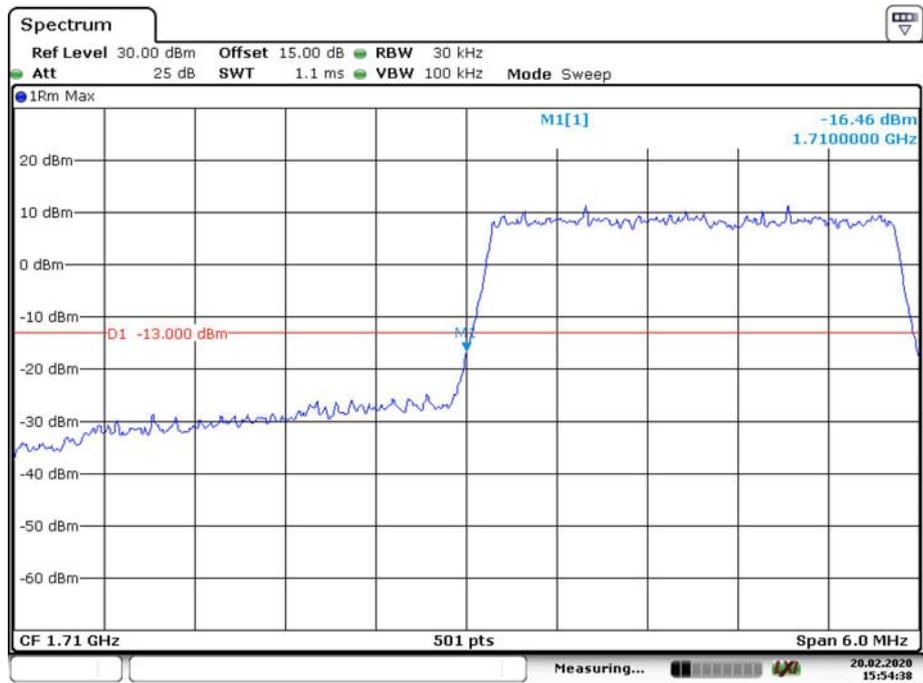
Date: 20.FEB.2020 15:48:35

### 16QAM\_1.4MHz\_6 RB\_Right



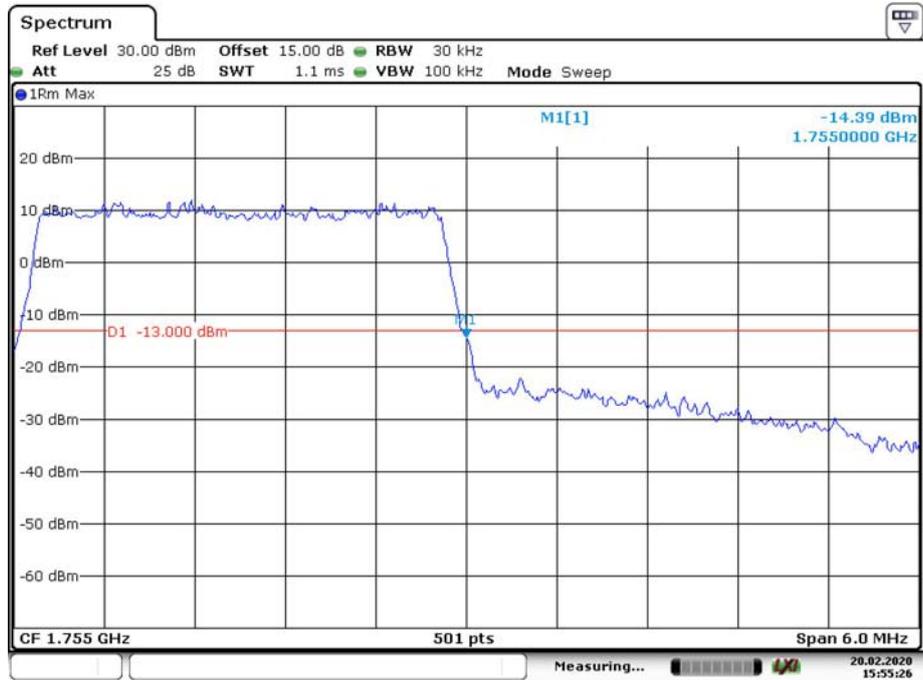
Date: 20.FEB.2020 15:49:31

### 16QAM\_3MHz\_15 RB\_Left



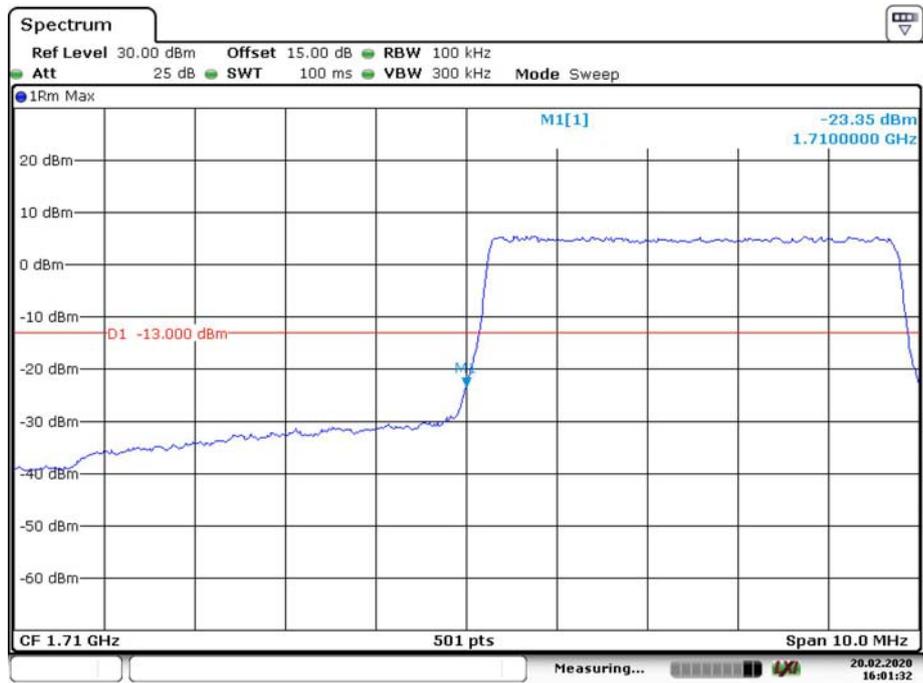
Date: 20.FEB.2020 15:54:38

### 16QAM\_3MHz\_15 RB\_Right



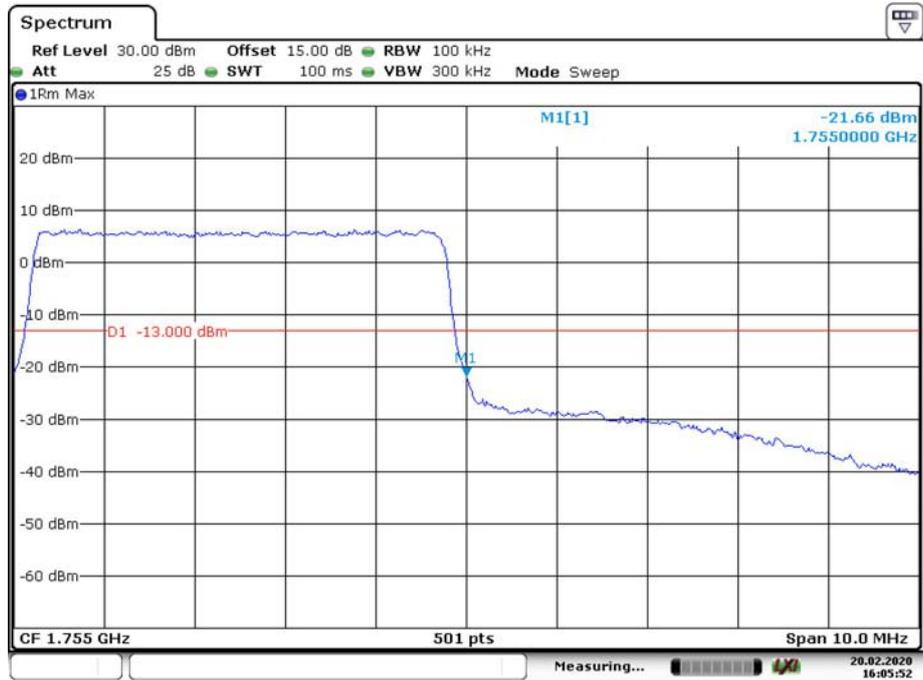
Date: 20.FEB.2020 15:55:26

### 16QAM\_5MHz\_25 RB\_Left



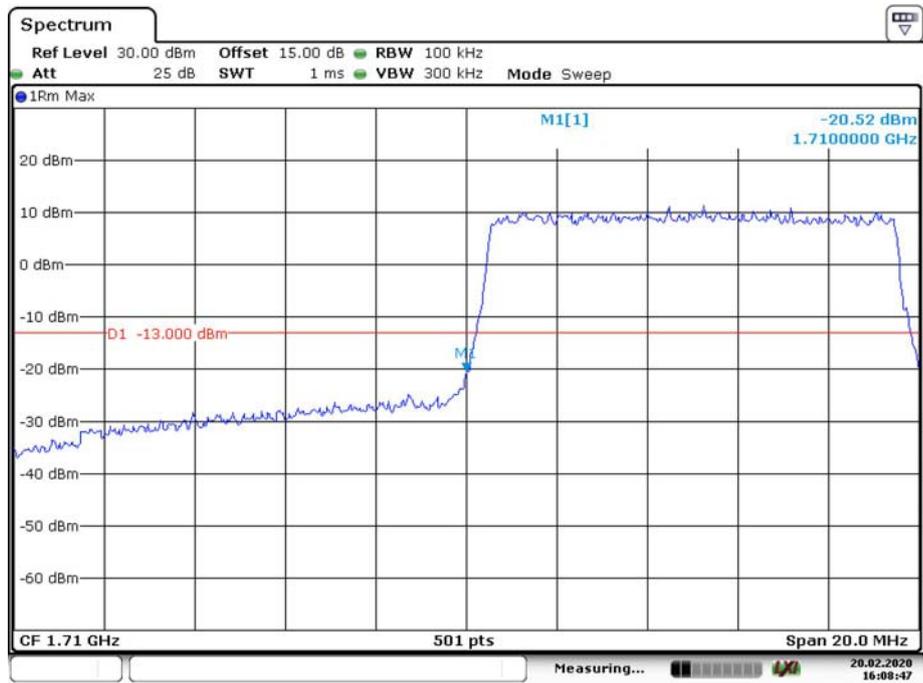
Date: 20.FEB.2020 16:01:32

### 16QAM\_5MHz\_25 RB\_Right



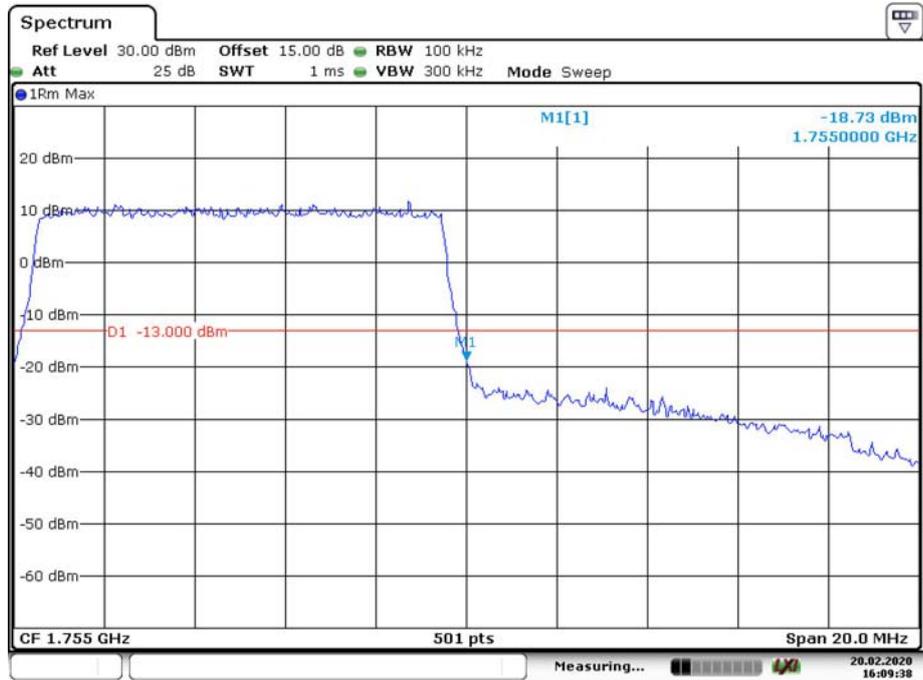
Date: 20.FEB.2020 16:05:52

### 16QAM\_10MHz\_ 50 RB\_ Left



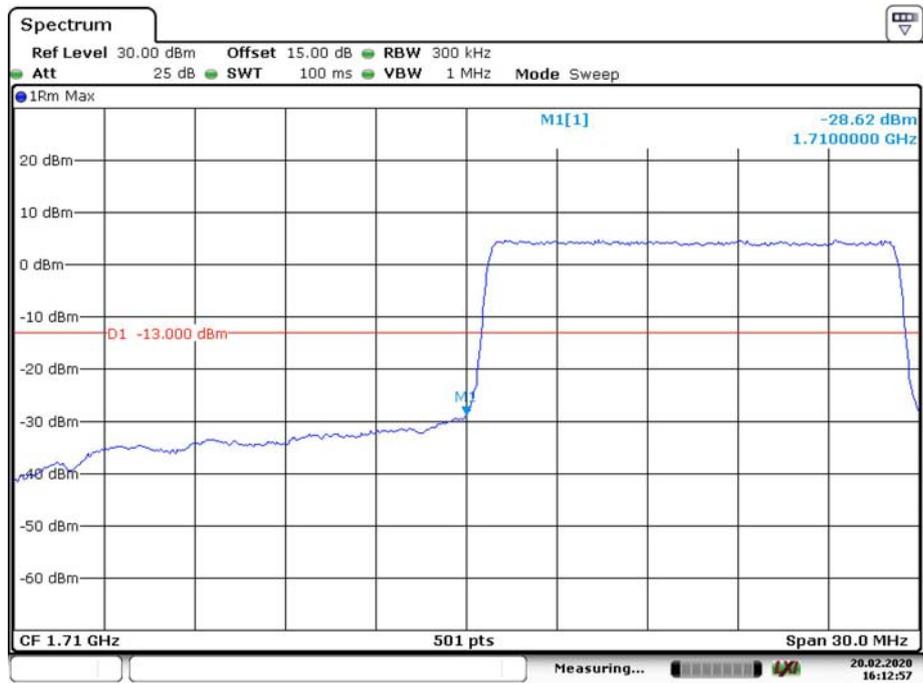
Date: 20.FEB.2020 16:08:47

### 16QAM\_10MHz\_ 50 RB\_ Right



Date: 20.FEB.2020 16:09:38

### 16QAM\_15MHz\_75 RB\_Left



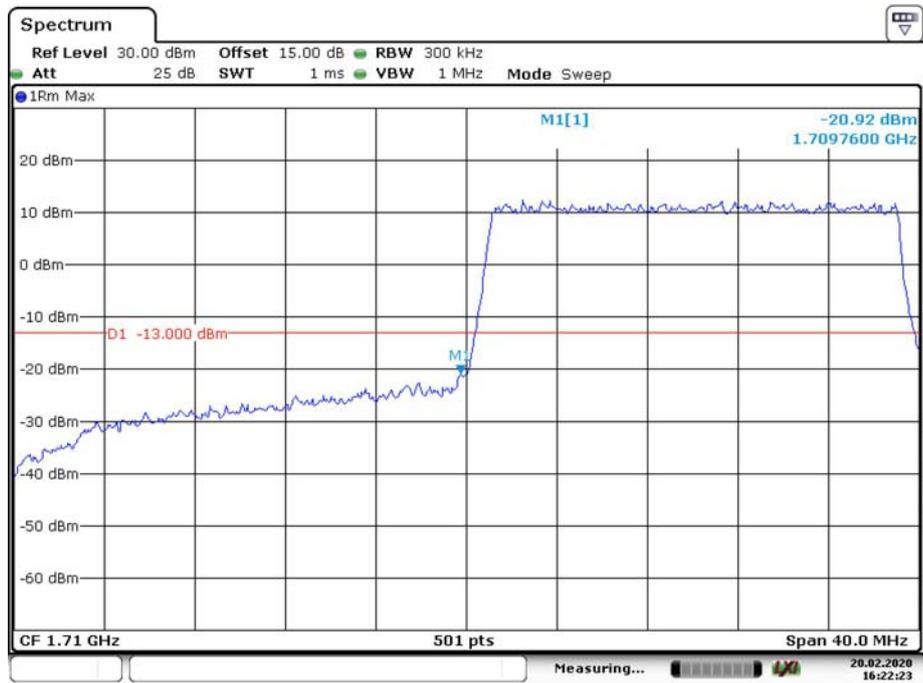
Date: 20.FEB.2020 16:12:57

### 16QAM\_15MHz\_75 RB\_Right



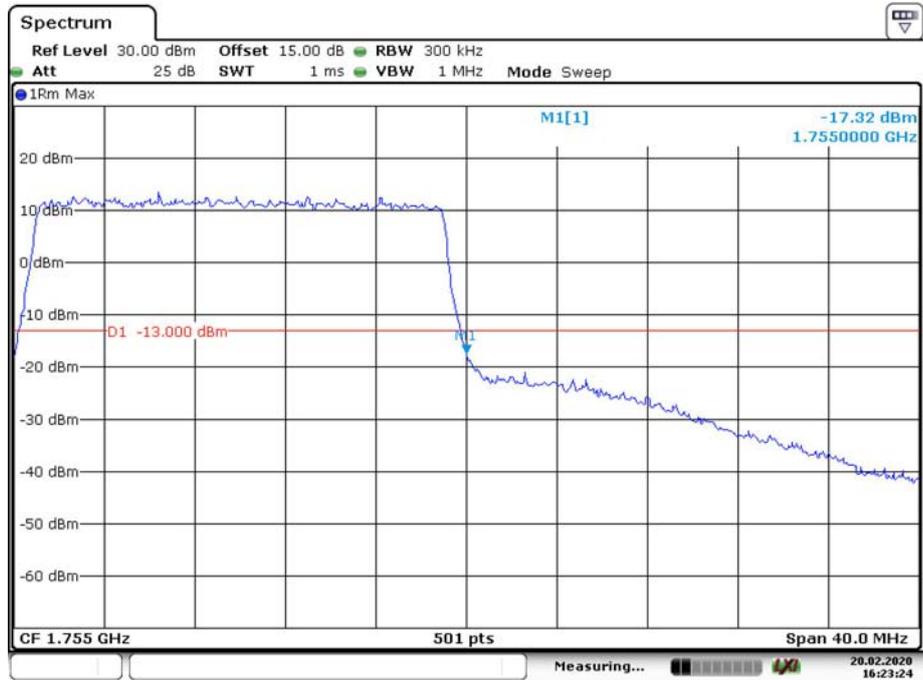
Date: 20.FEB.2020 16:14:02

### 16QAM\_20MHz\_FULL RB\_Left



Date: 20.FEB.2020 16:22:23

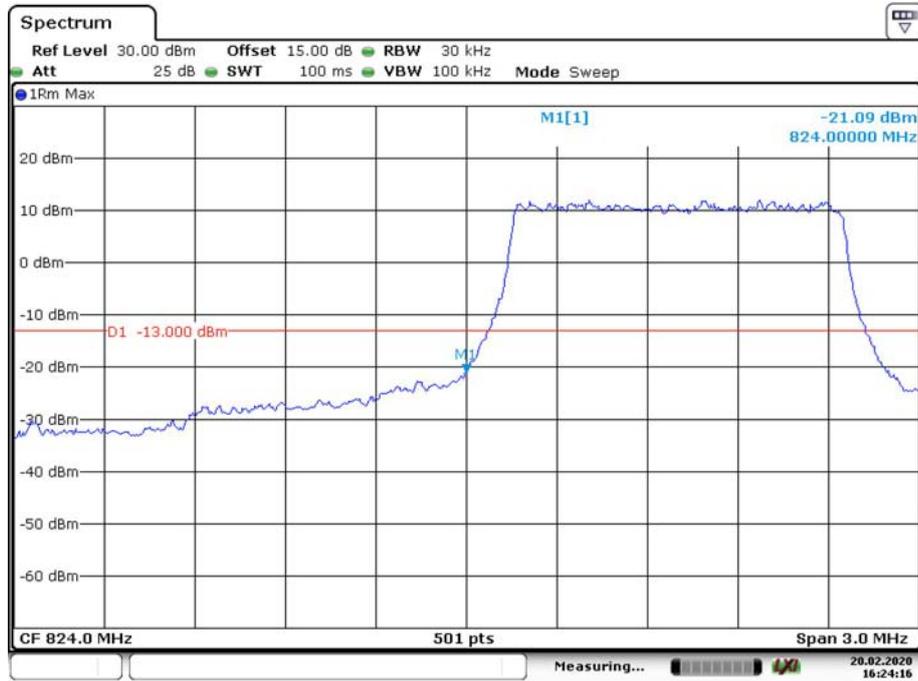
### 16QAM\_20MHz\_FULL RB\_Right



Date: 20.FEB.2020 16:23:24

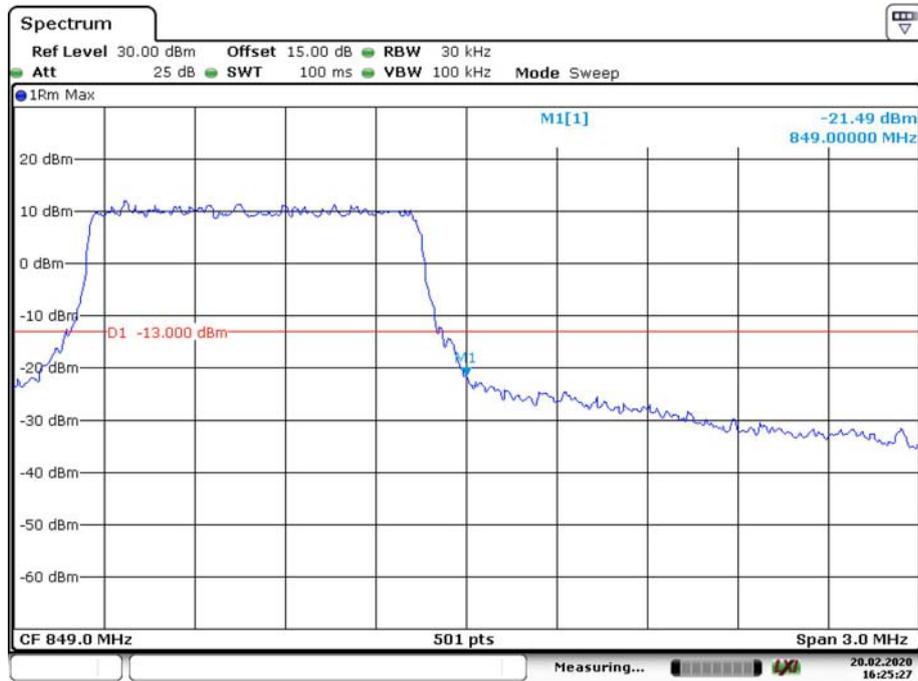
LTE Band 5

QPSK\_1.4MHz\_6 RB\_ Left



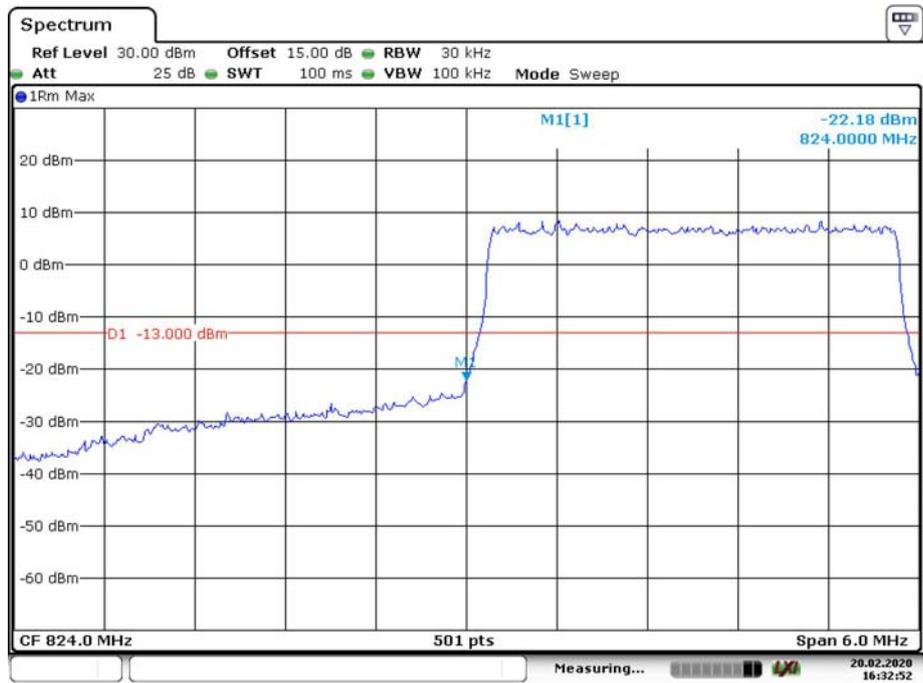
Date: 20.FEB.2020 16:24:16

QPSK\_1.4MHz\_6 RB\_ Right

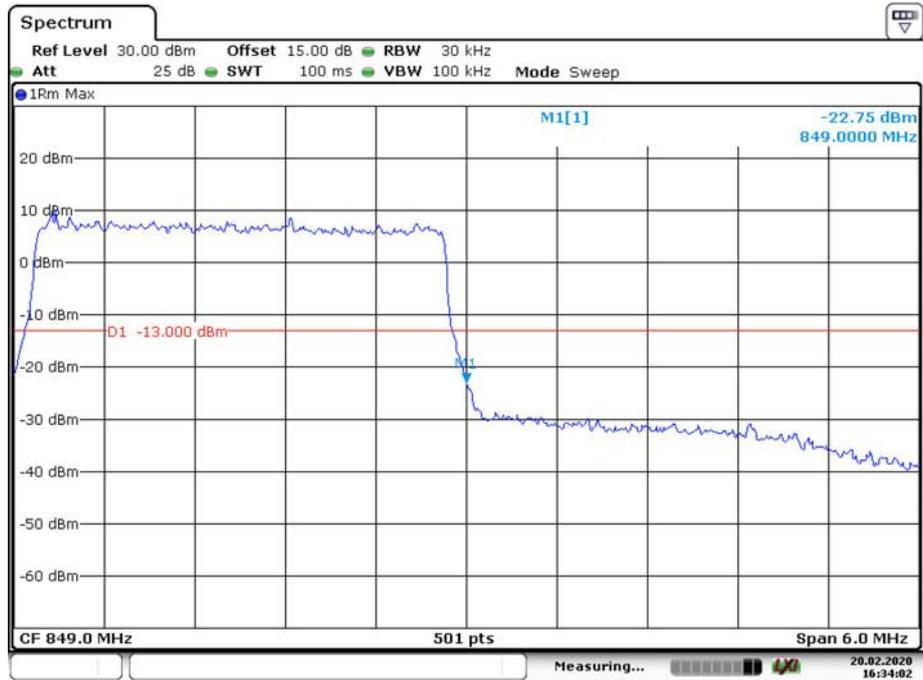


Date: 20.FEB.2020 16:25:26

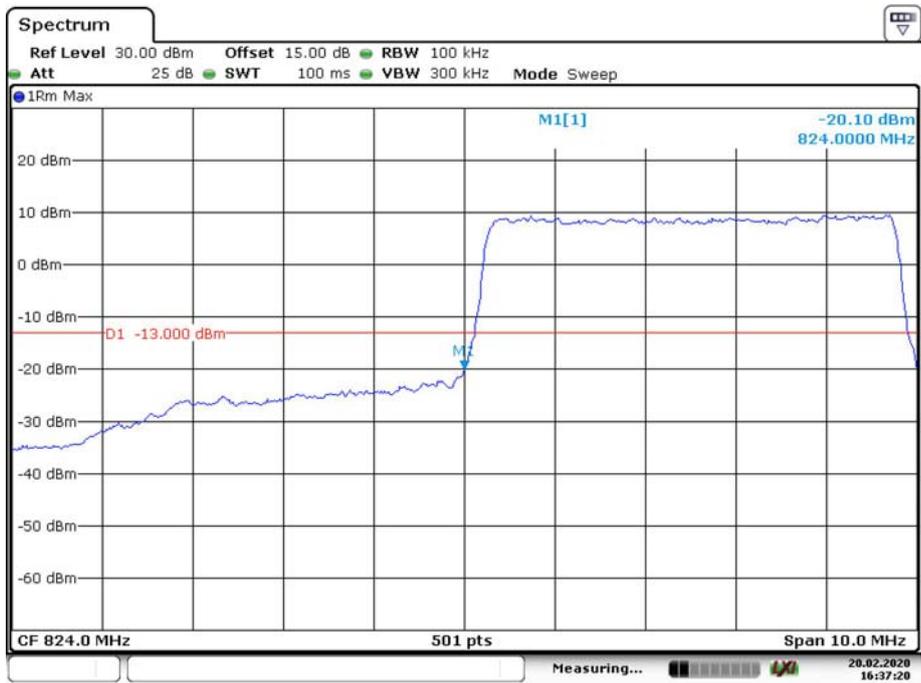
### QPSK\_3MHz\_15 RB\_Left



### QPSK\_3MHz\_15 RB\_Right

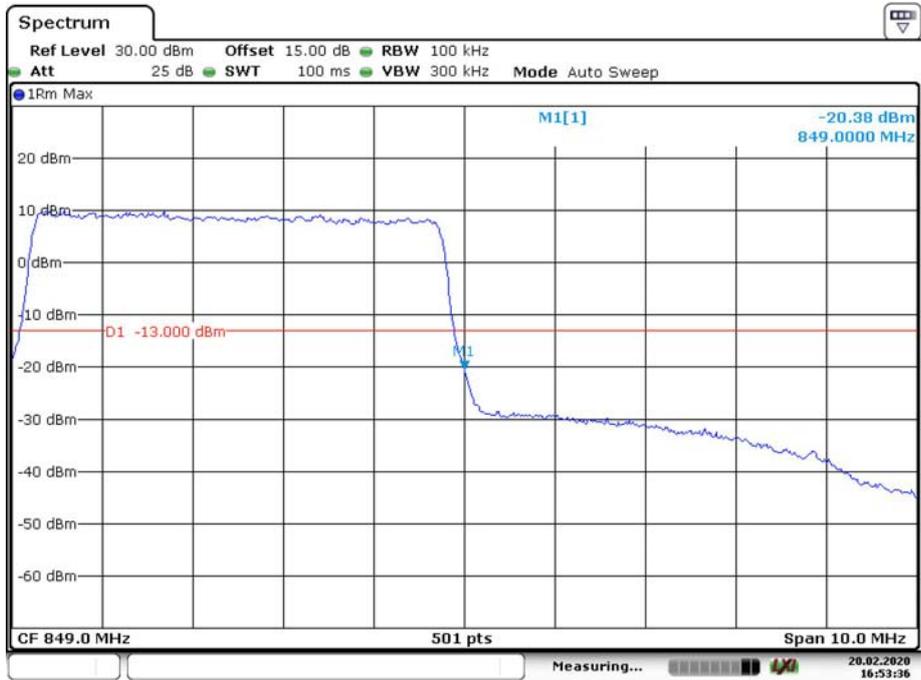


### QPSK\_5MHz\_25 RB\_Left



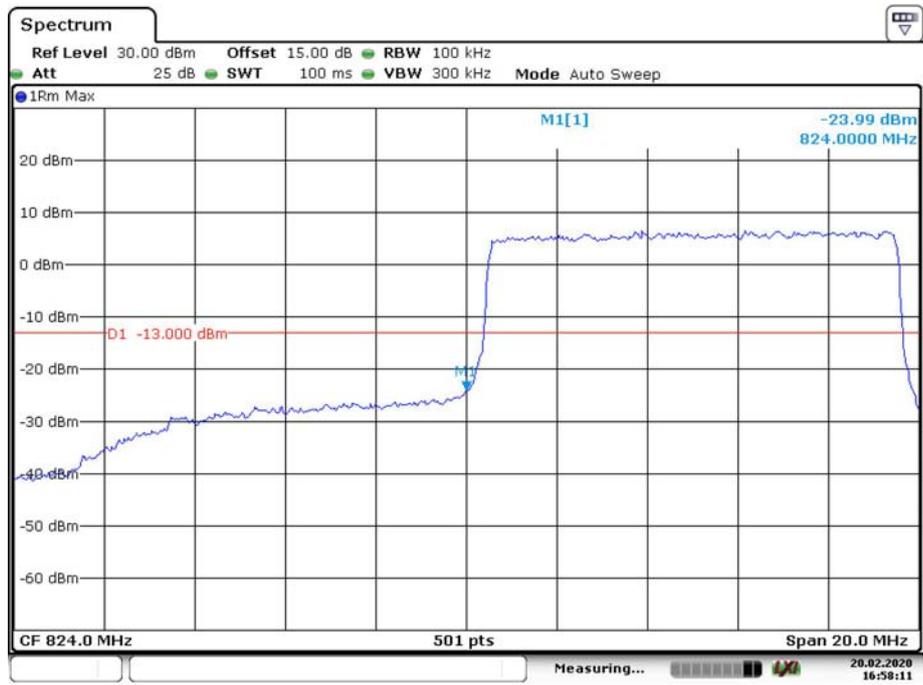
Date: 20.FEB.2020 16:37:20

### QPSK\_5MHz\_25 RB\_Right



Date: 20.FEB.2020 16:53:37

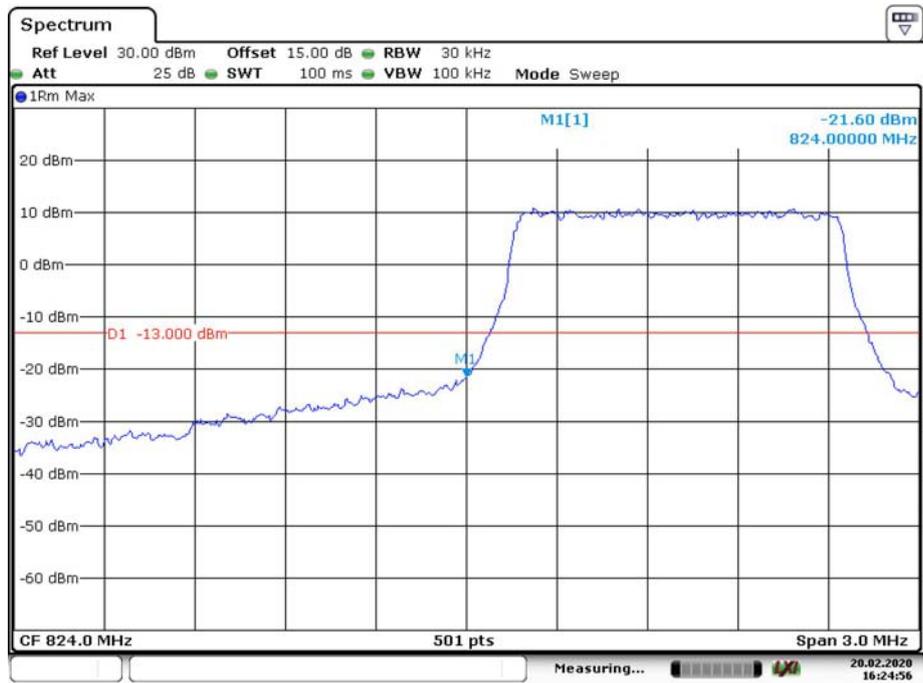
### QPSK\_10MHz\_50 RB\_Left



### QPSK\_10MHz\_50 RB\_Right

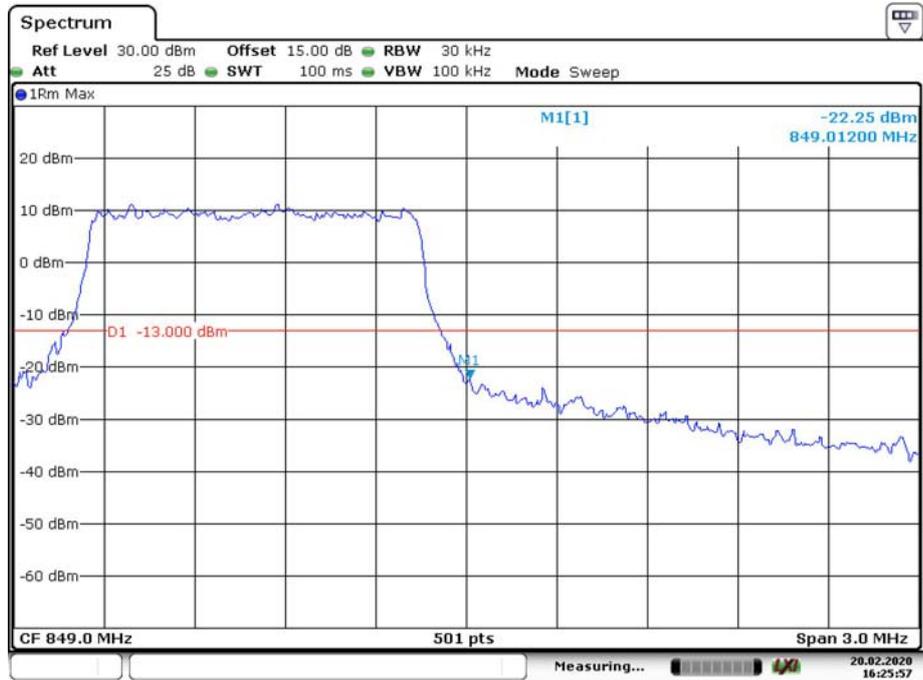


### 16QAM\_1.4MHz\_6 RB\_Left



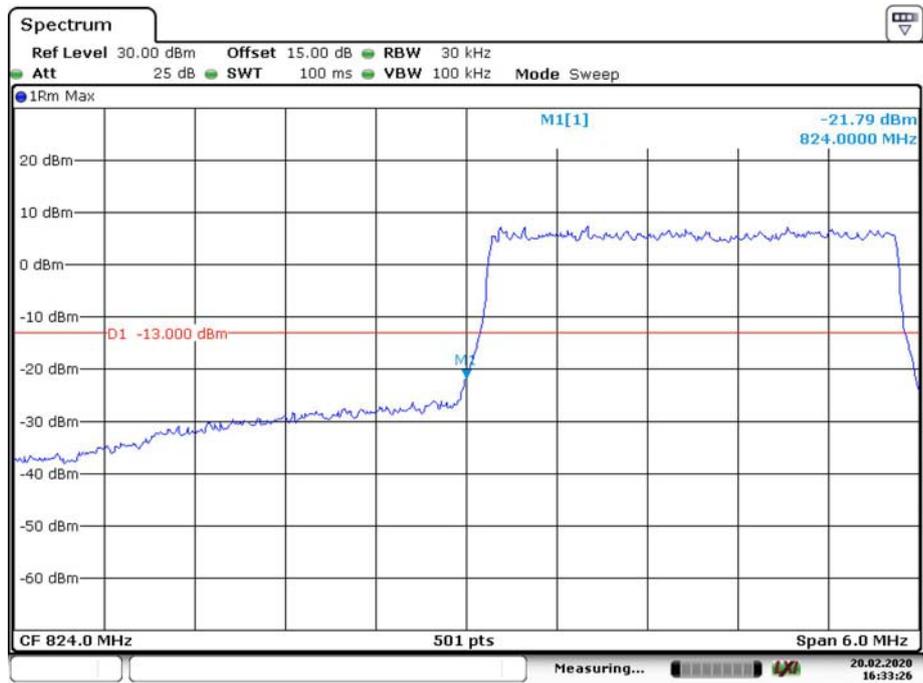
Date: 20.FEB.2020 16:24:56

### 16QAM\_1.4MHz\_6 RB\_Right



Date: 20.FEB.2020 16:25:57

### 16QAM\_3MHz\_15 RB\_ Left



Date: 20.FEB.2020 16:33:26

### 16QAM\_3MHz\_15 RB\_ Right



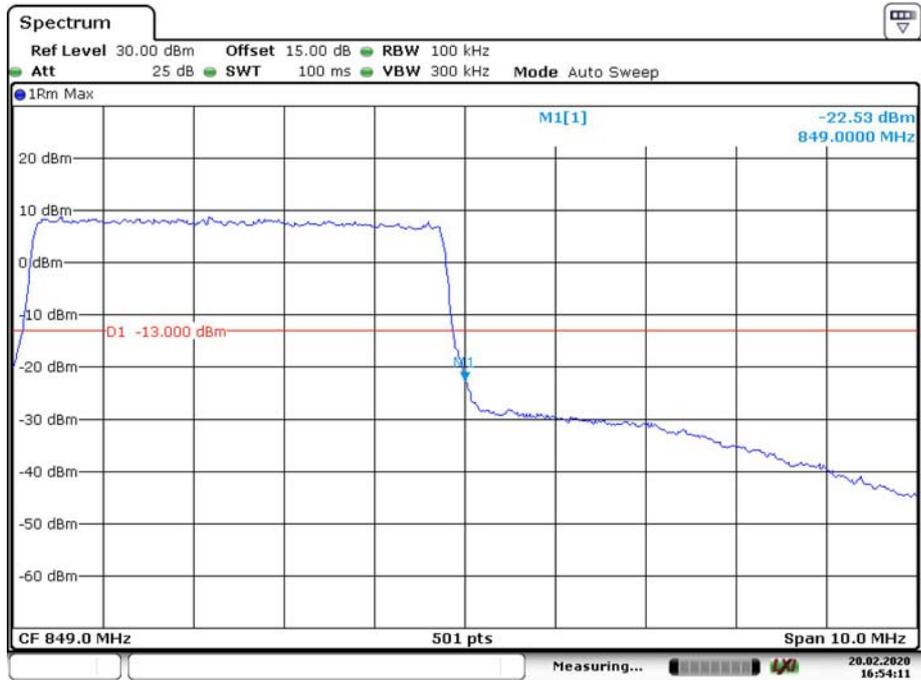
Date: 20.FEB.2020 16:34:34

### 16QAM\_5MHz\_25 RB\_Left



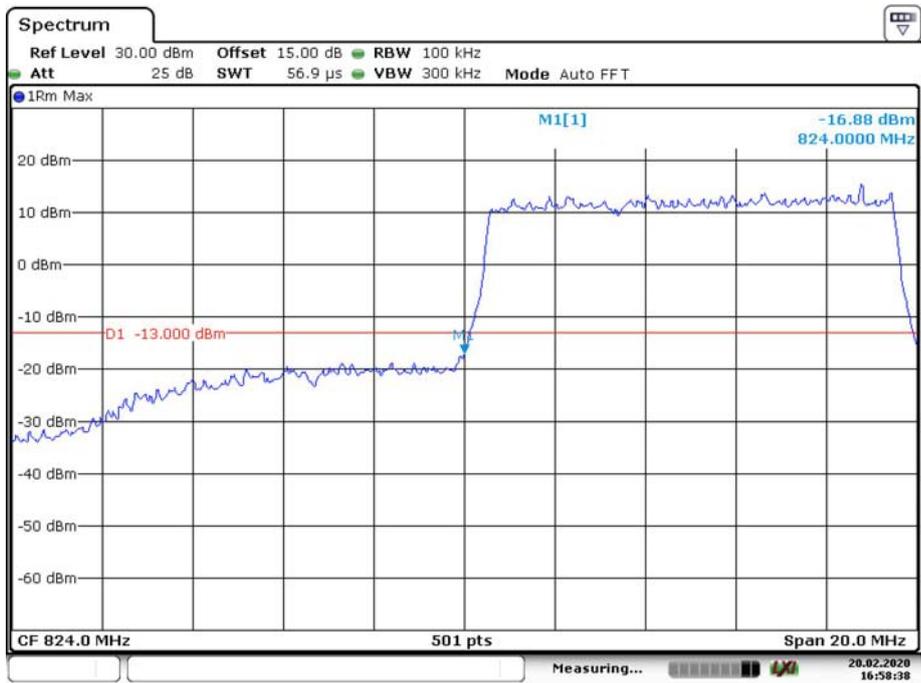
Date: 20.FEB.2020 19:29:13

### 16QAM\_5MHz\_25 RB\_Right



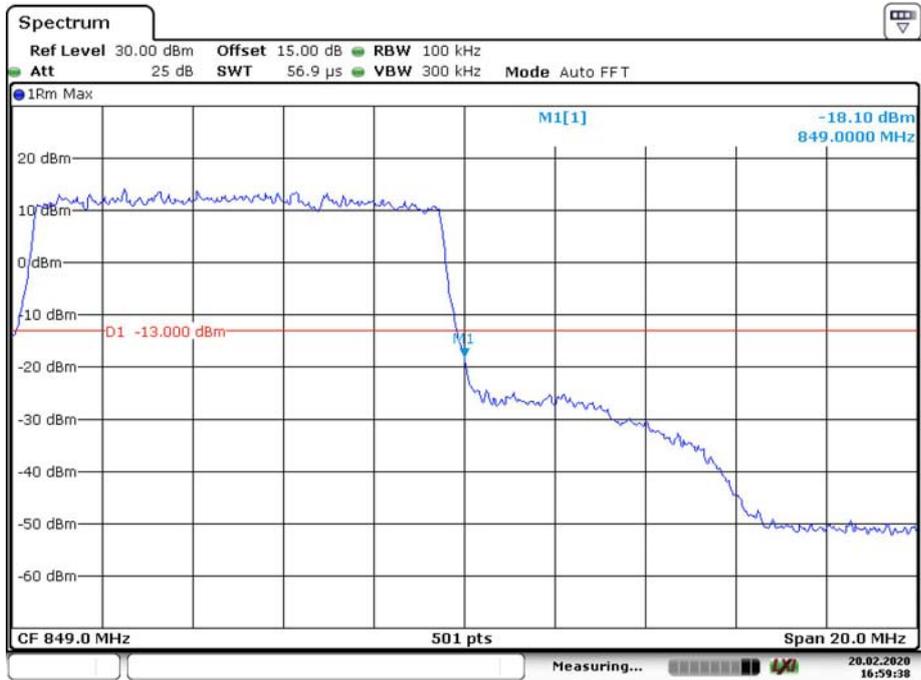
Date: 20.FEB.2020 16:54:11

### 16QAM\_10MHz\_ 50 RB\_ Left



Date: 20.FEB.2020 16:58:38

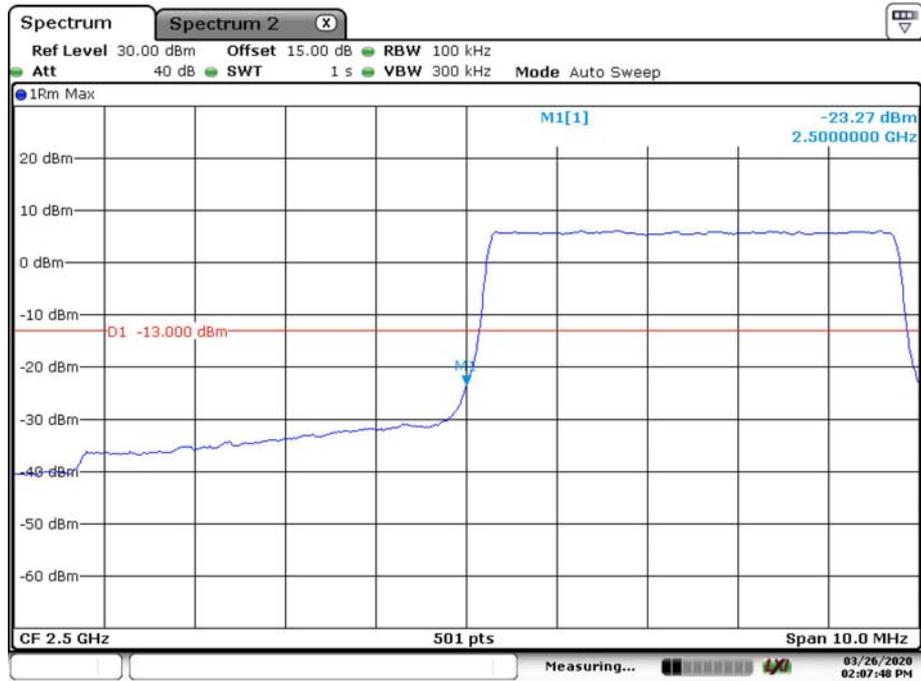
### 16QAM\_10MHz\_ 50 RB\_ Right



Date: 20.FEB.2020 16:59:38

LTE Band 7

QPSK\_5MHz\_25 RB\_Left



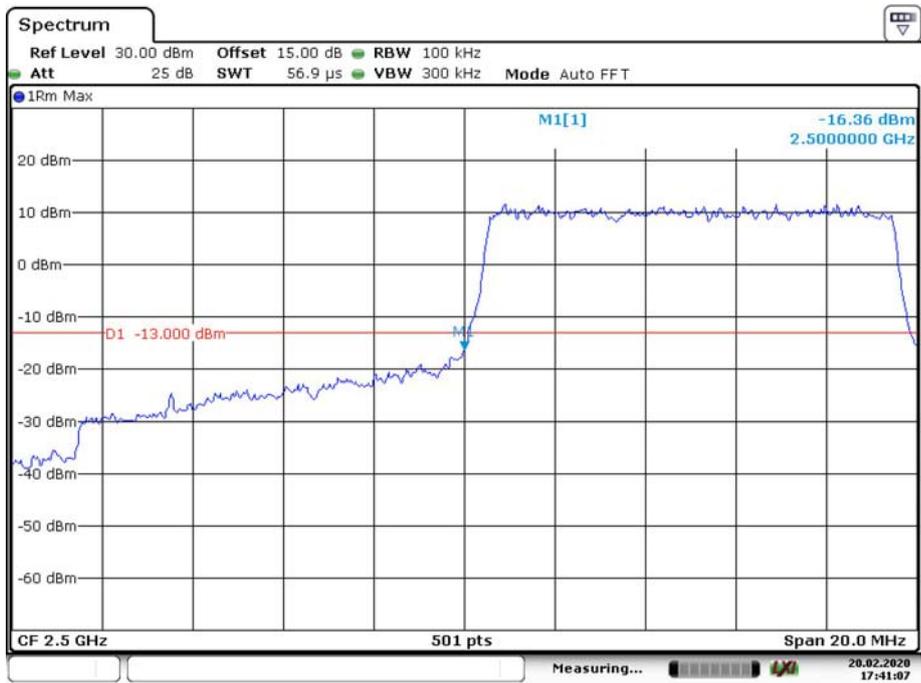
Date: 26.MAR.2020 14:07:49

QPSK\_5MHz\_25 RB\_Right



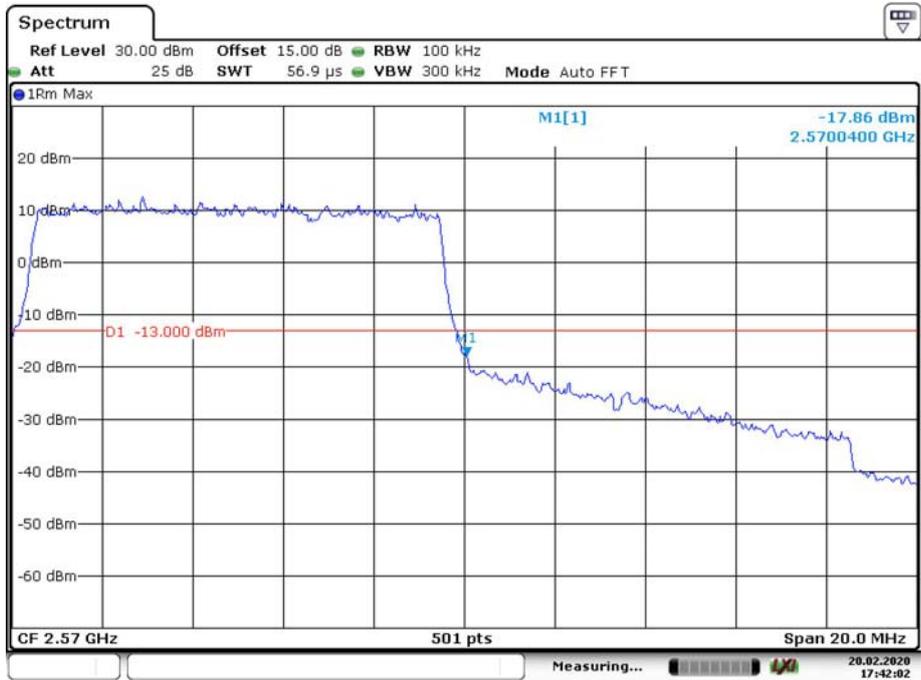
Date: 20.FEB.2020 17:40:03

### QPSK\_10MHz\_50 RB\_Left



Date: 20.FEB.2020 17:41:07

### QPSK\_10MHz\_50 RB\_Right



Date: 20.FEB.2020 17:42:03