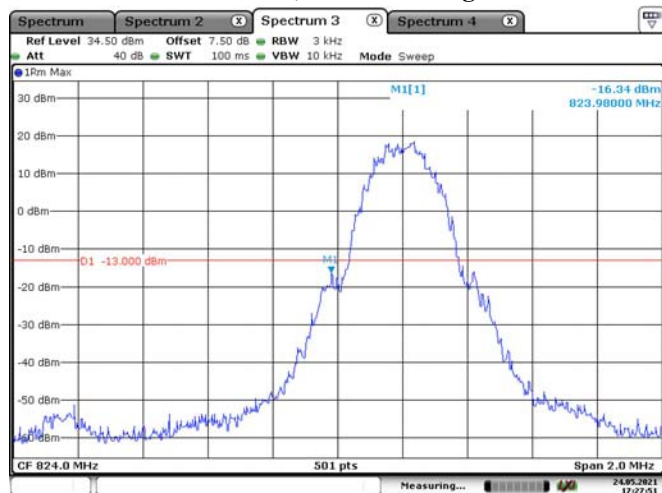
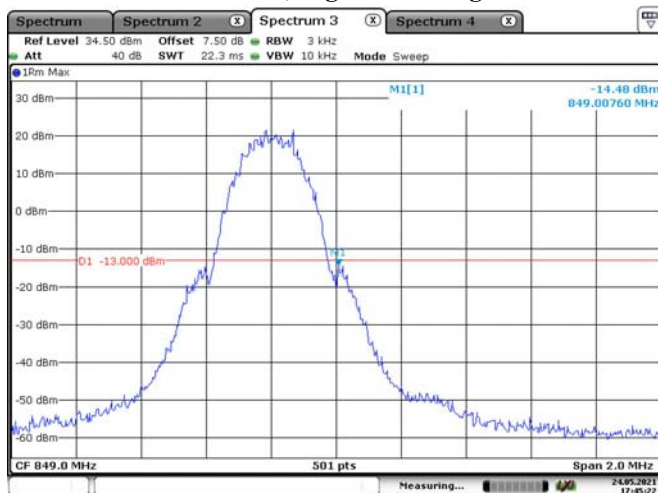


GSM 850, Left Band Edge



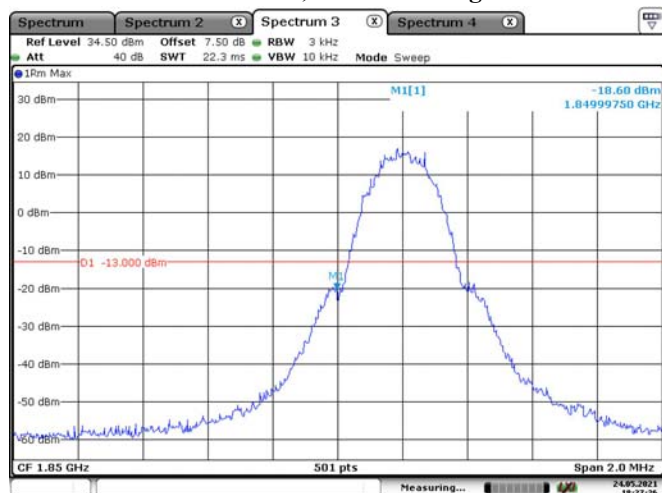
Date: 24.MAY.2021 17:27:51

GSM 850, Right Band Edge



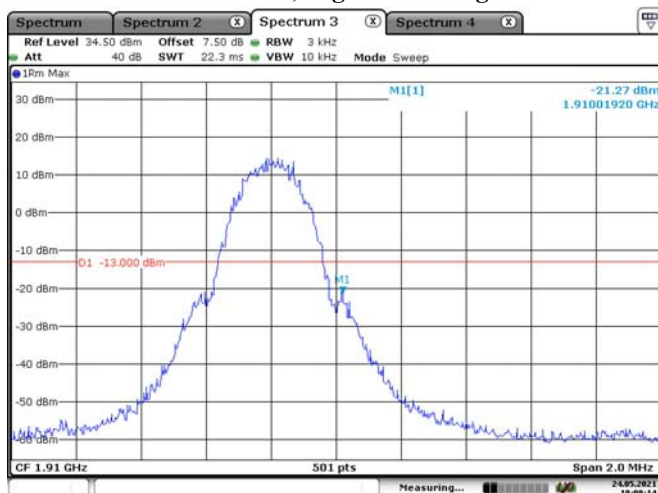
Date: 24.MAY.2021 17:45:22

GSM 1900, Left Band Edge



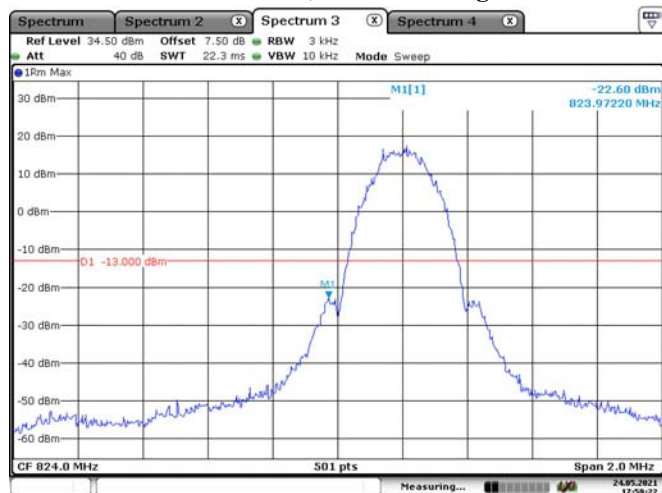
Date: 24.MAY.2021 18:27:06

GSM 1900, Right Band Edge



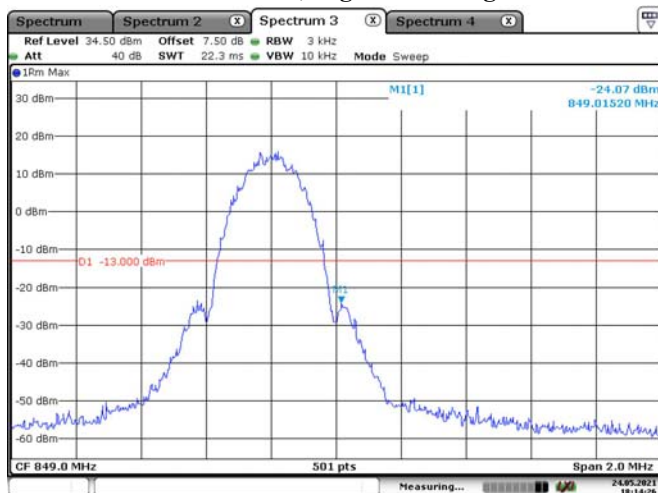
Date: 24.MAY.2021 19:09:14

EGPRS 850, Left Band Edge



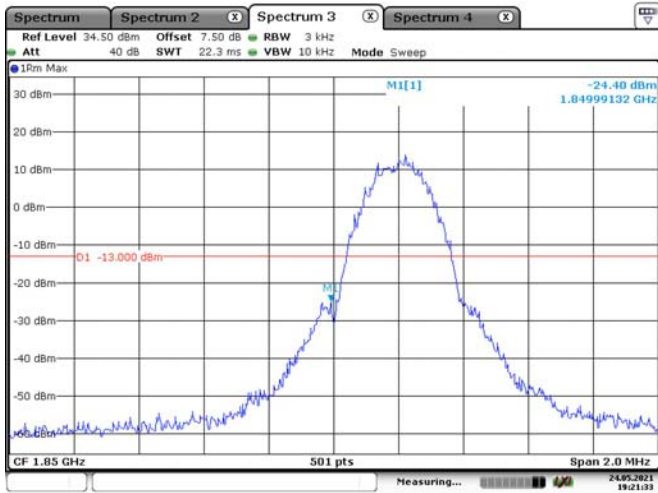
Date: 24.MAY.2021 17:59:22

EGPRS 850, Right Band Edge



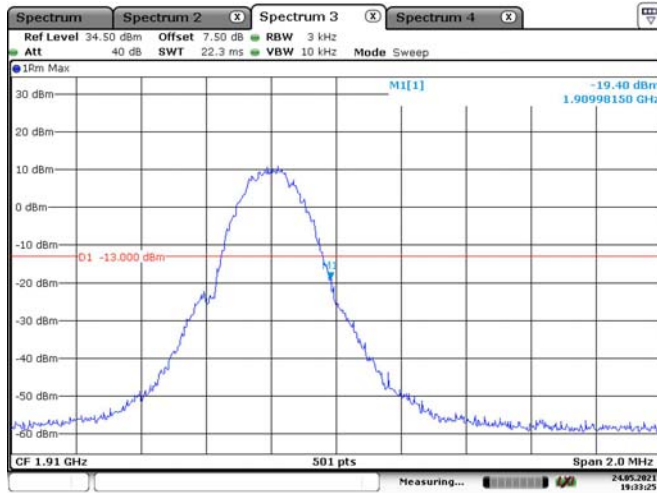
Date: 24.MAY.2021 18:14:26

EGPRS 1900, Left Band Edge



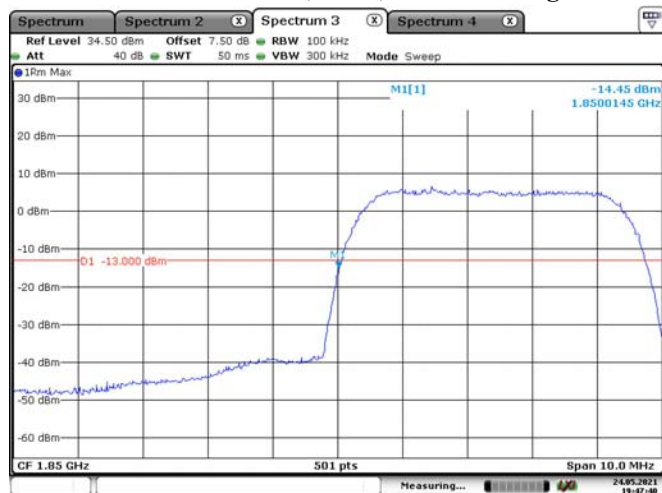
Date: 24.MAY.2021 19:21:33

EGPRS 1900, Right Band Edge



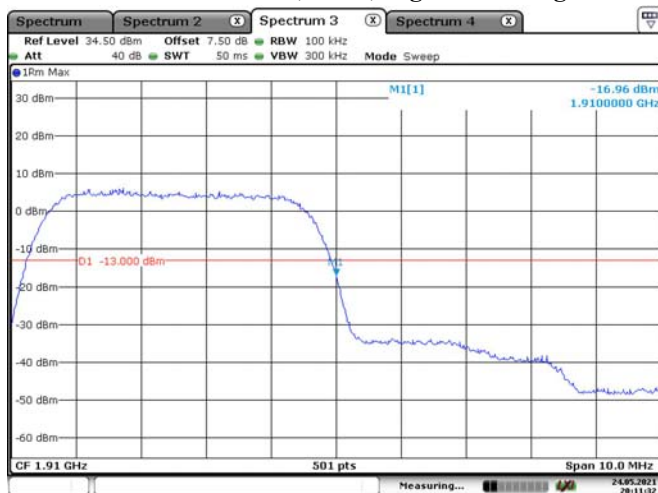
Date: 24.MAY.2021 19:33:25

WCDMA Band II, Rel99, Left Band Edge



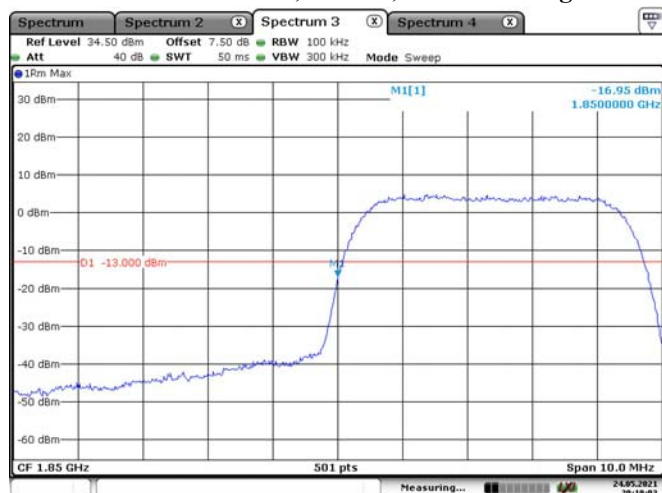
Date: 24.MAY.2021 19:47:40

WCDMA Band II, Rel99, Right Band Edge



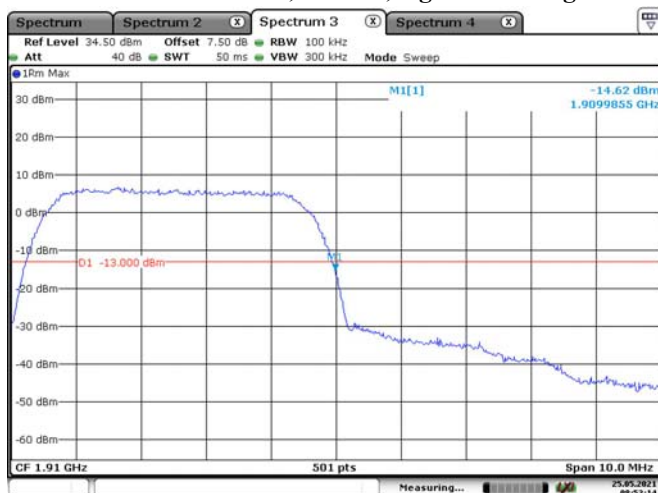
Date: 24.MAY.2021 20:11:32

WCDMA Band II, HSDPA, Left Band Edge



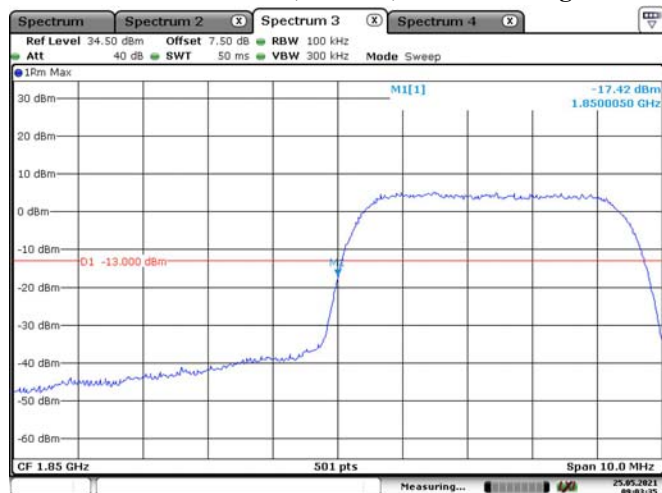
Date: 24.MAY.2021 20:19:04

WCDMA Band II, HSDPA, Right Band Edge



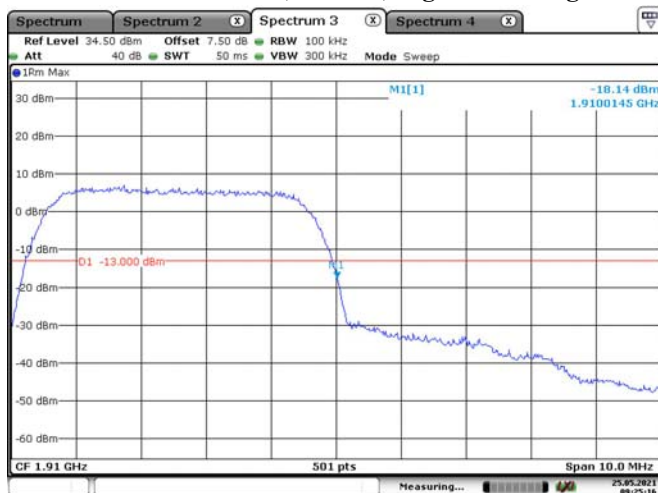
Date: 25.MAY.2021 08:53:15

WCDMA Band II, HSUPA, Left Band Edge



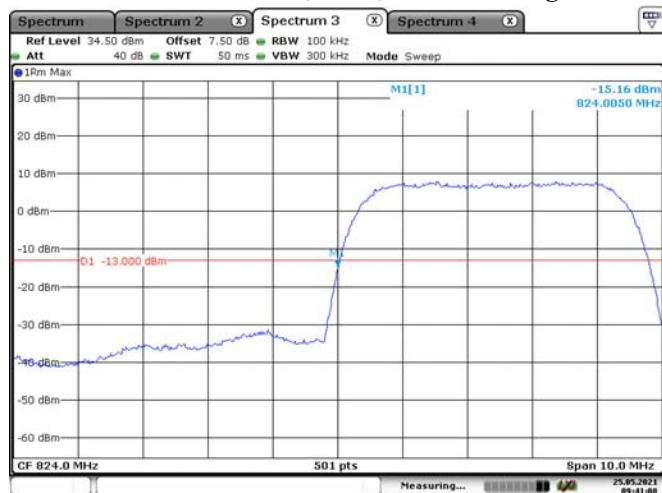
Date: 25.MAY.2021 09:03:36

WCDMA Band II, HSUPA, Right Band Edge



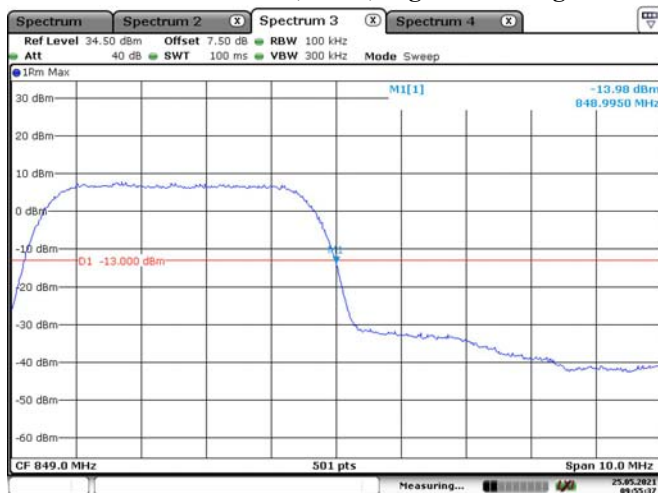
Date: 25.MAY.2021 09:25:17

WCDMA Band V, Rel99, Left Band Edge



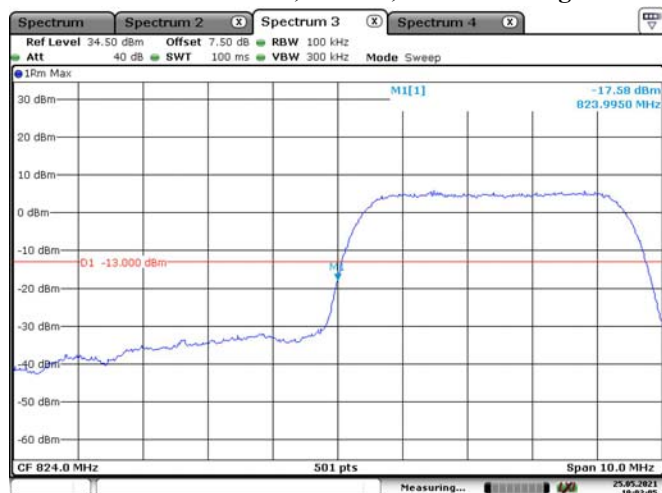
Date: 25.MAY.2021 09:41:08

WCDMA Band V, Rel99, Right Band Edge



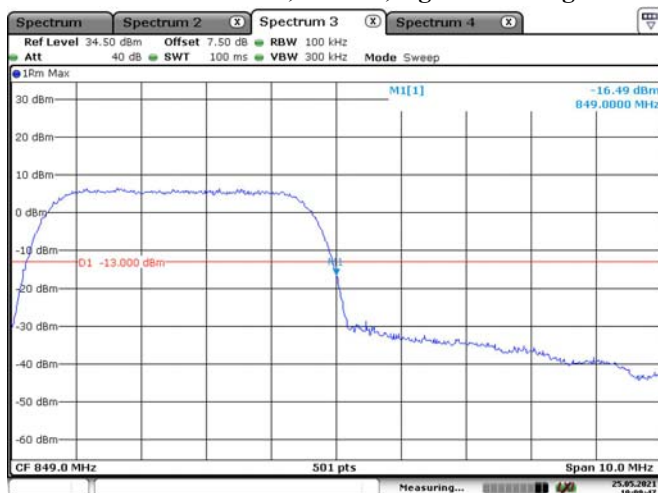
Date: 25.MAY.2021 09:55:37

WCDMA Band V, HSDPA, Left Band Edge



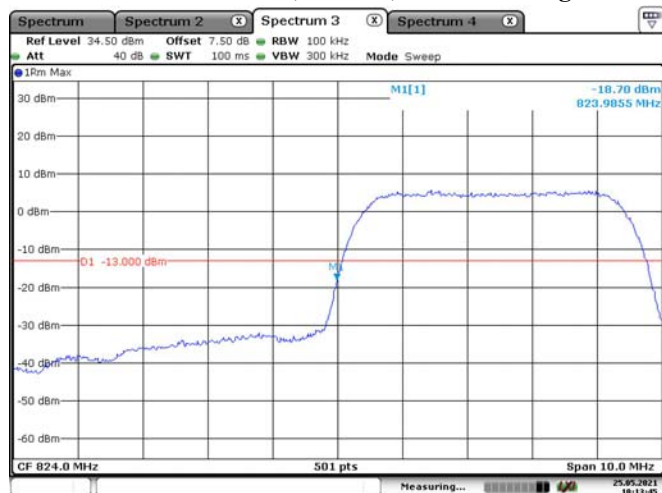
Date: 25.MAY.2021 10:03:05

WCDMA Band V, HSDPA, Right Band Edge



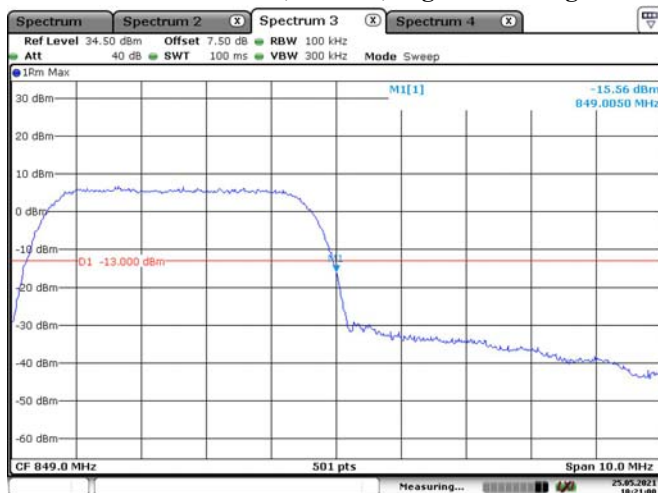
Date: 25.MAY.2021 10:09:48

WCDMA Band V, HSUPA, Left Band Edge

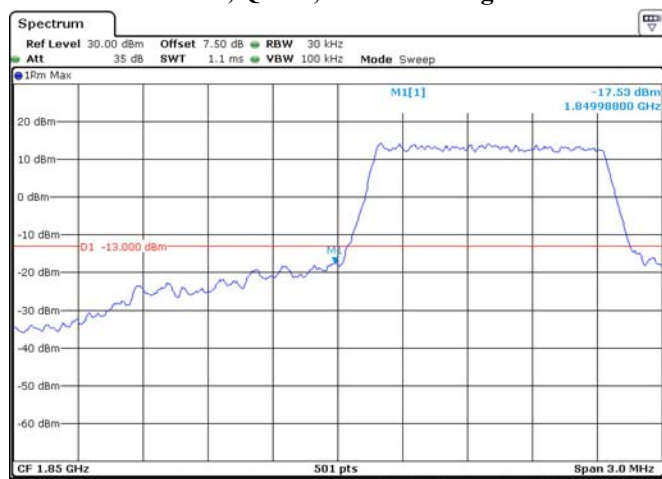
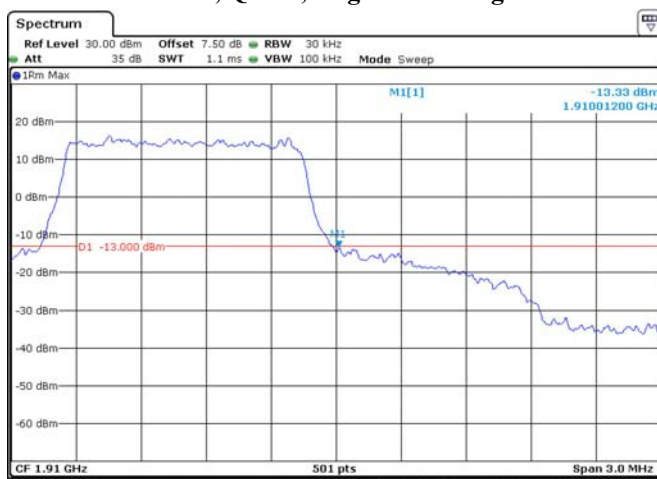
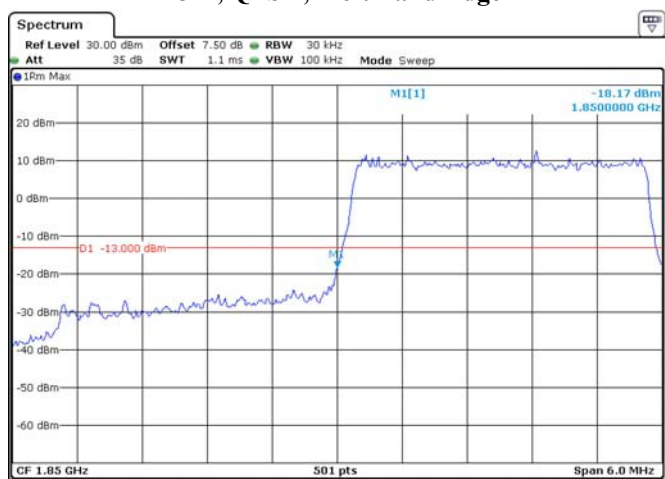
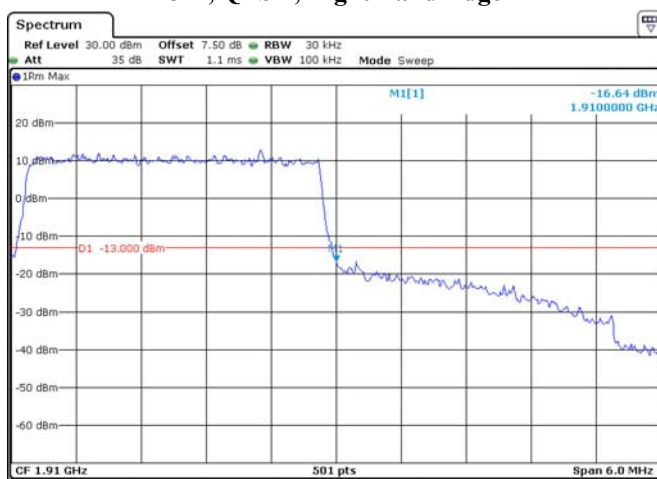
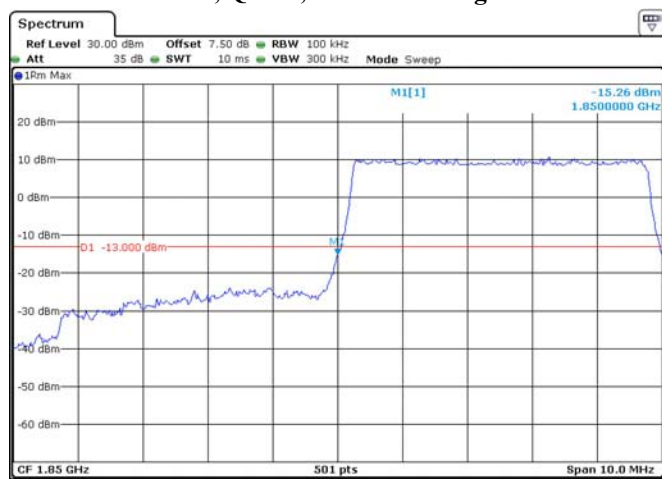
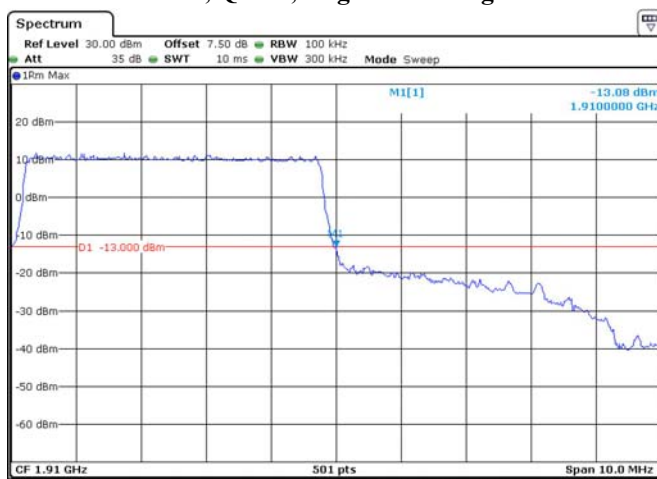


Date: 25.MAY.2021 10:13:45

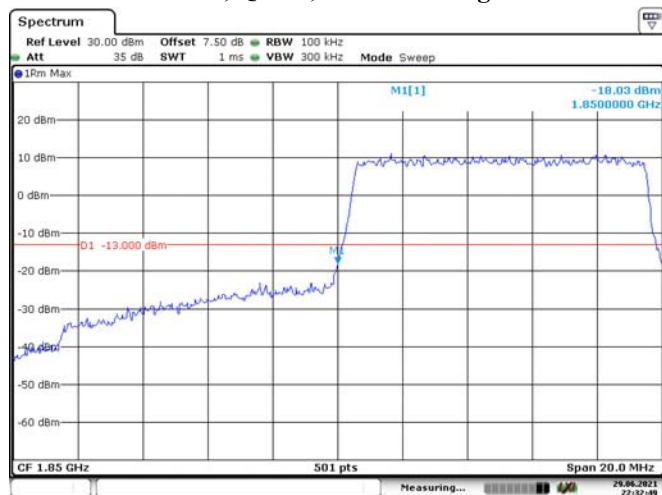
WCDMA Band V, HSUPA, Right Band Edge



Date: 25.MAY.2021 10:21:01

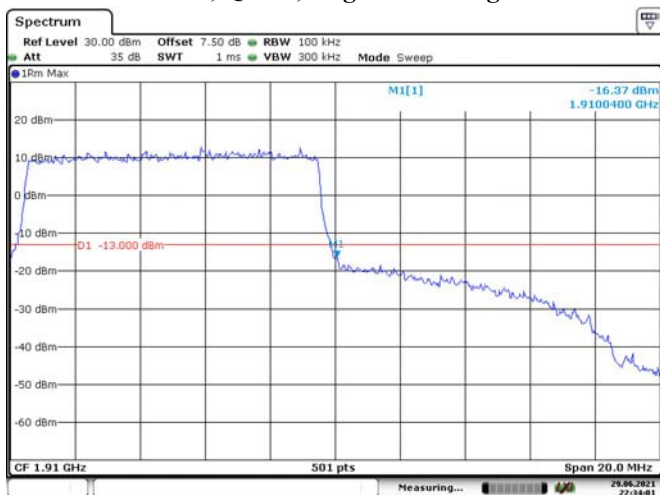
LTE Band 2:**1.4M, QPSK, Left Band Edge****1.4M, QPSK, Right Band Edge****3M, QPSK, Left Band Edge****3M, QPSK, Right Band Edge****5M, QPSK, Left Band Edge****5M, QPSK, Right Band Edge**

10M, QPSK, Left Band Edge



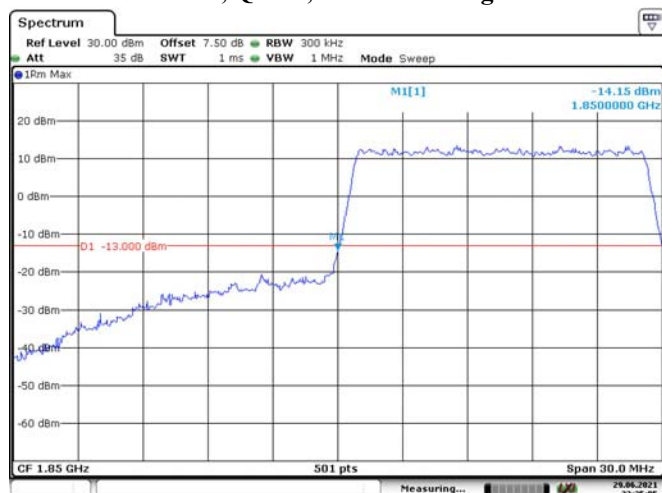
Date: 29 JUN 2021 22:32:49

10M, QPSK, Right Band Edge



Date: 29 JUN 2021 22:34:01

15M, QPSK, Left Band Edge



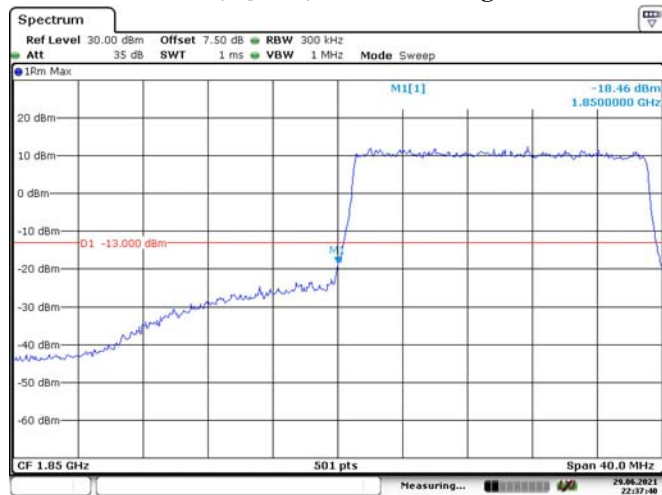
Date: 29 JUN 2021 22:35:05

15M, QPSK, Right Band Edge



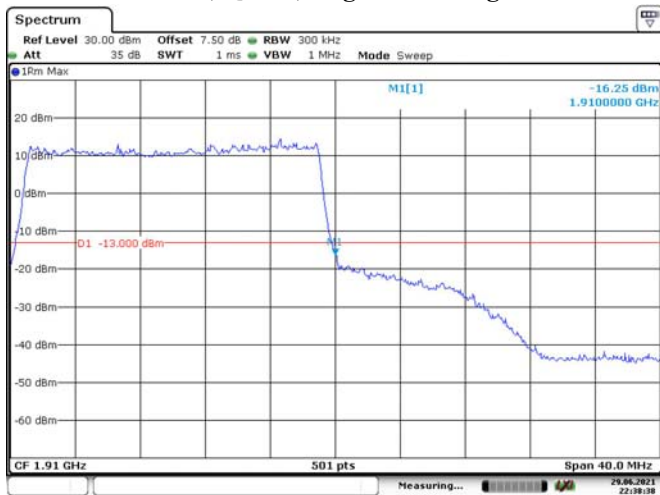
Date: 29 JUN 2021 22:36:14

20M, QPSK, Left Band Edge



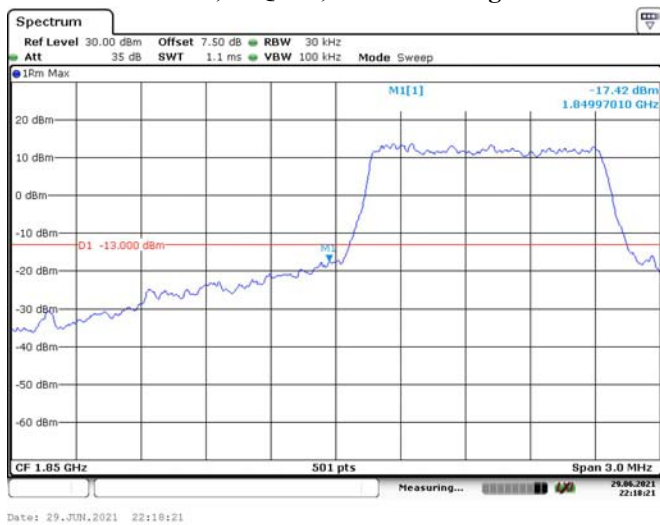
Date: 29 JUN 2021 22:37:40

20M, QPSK, Right Band Edge

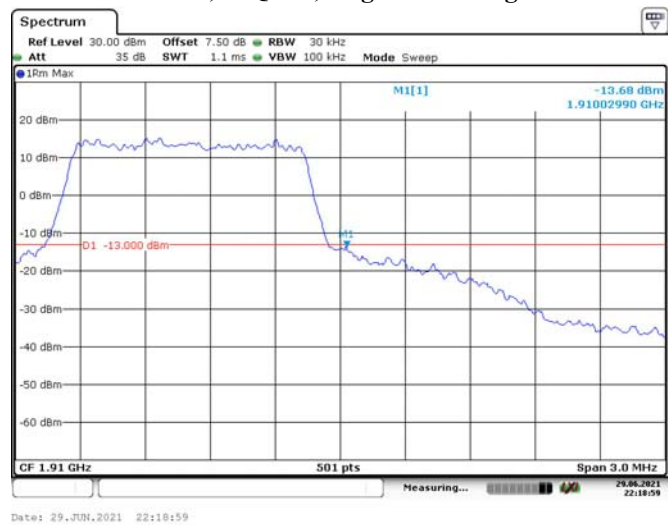


Date: 29 JUN 2021 22:38:38

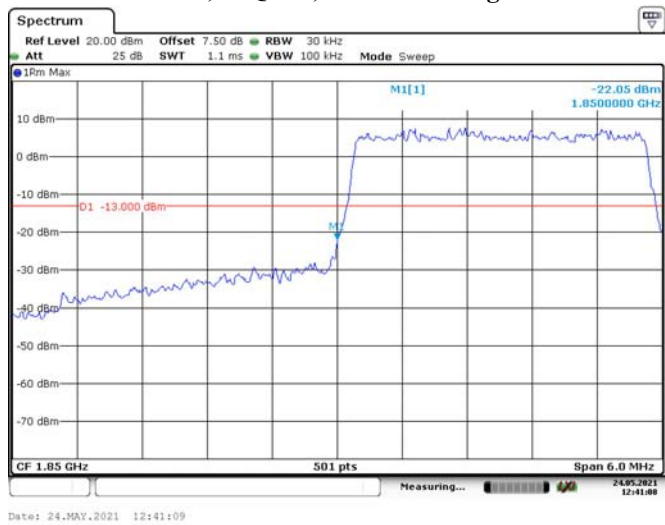
1.4M, 16QAM, Left Band Edge



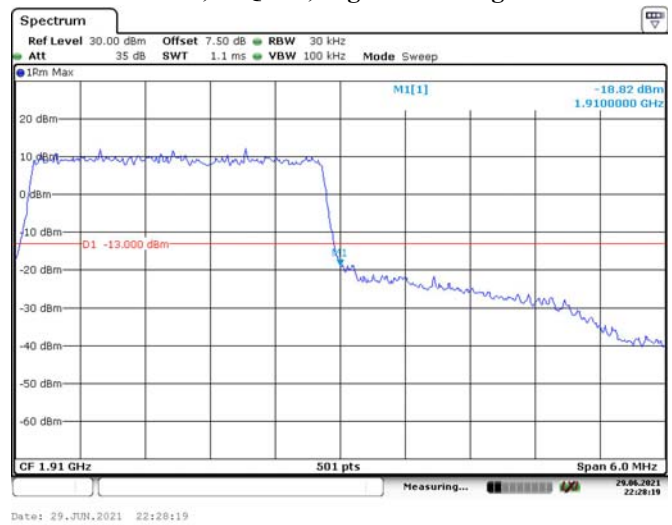
1.4M, 16QAM, Right Band Edge



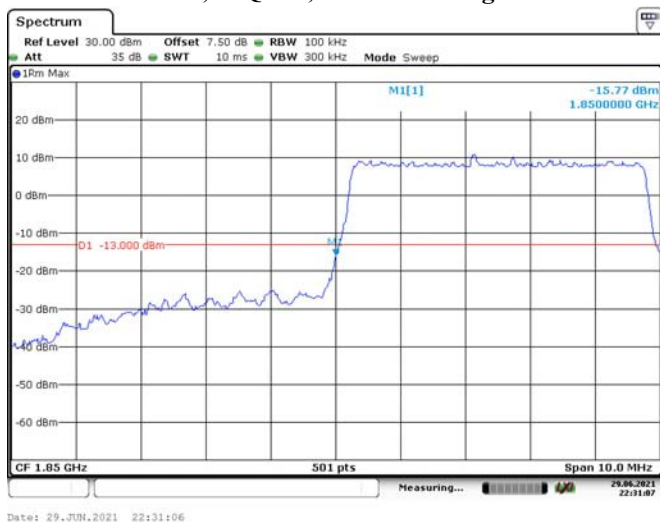
3M, 16QAM, Left Band Edge



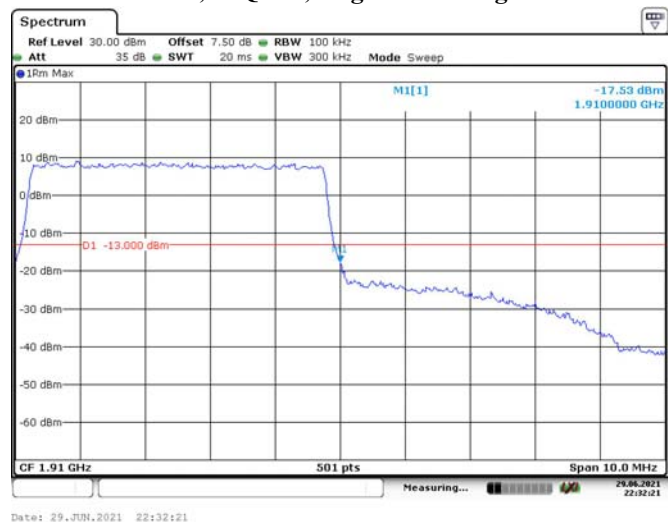
3M, 16QAM, Right Band Edge



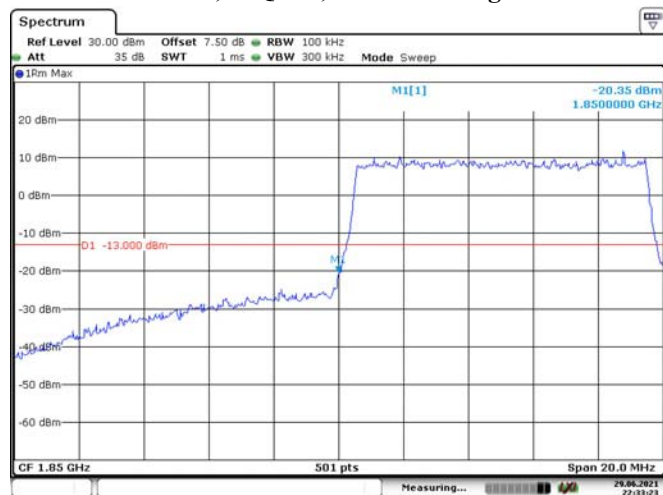
5M, 16QAM, Left Band Edge



5M, 16QAM, Right Band Edge

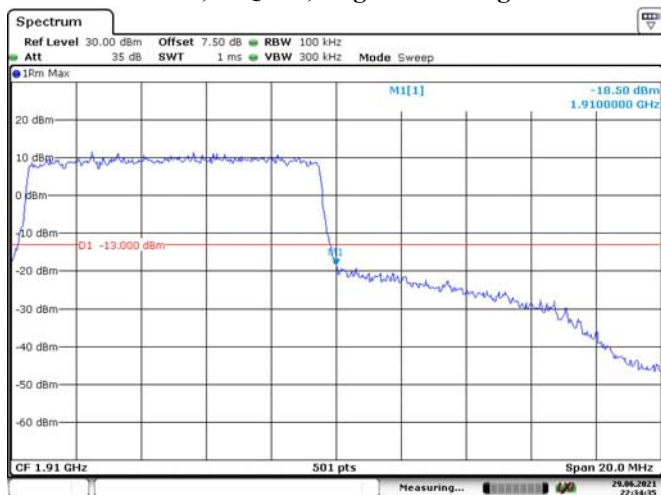


10M, 16QAM, Left Band Edge



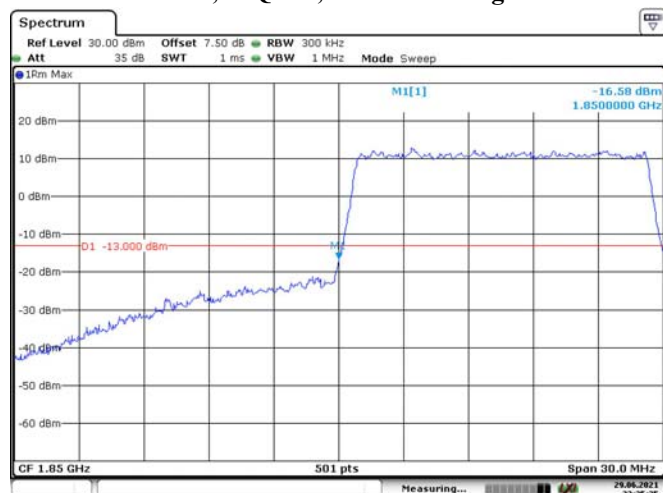
Date: 29 JUN 2021 22:33:23

10M, 16QAM, Right Band Edge



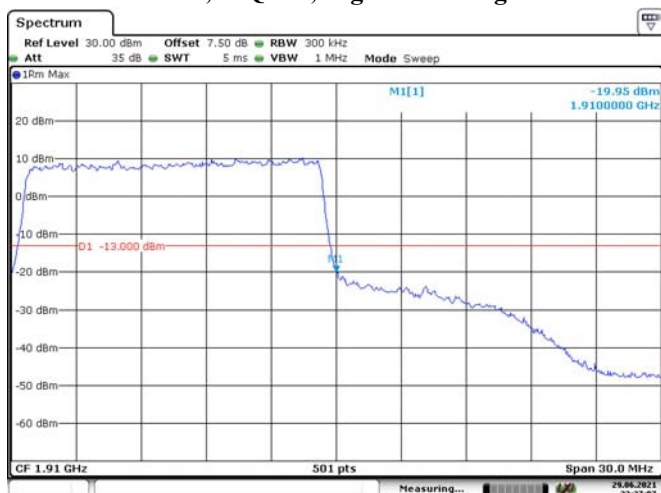
Date: 29 JUN 2021 22:34:35

15M, 16QAM, Left Band Edge



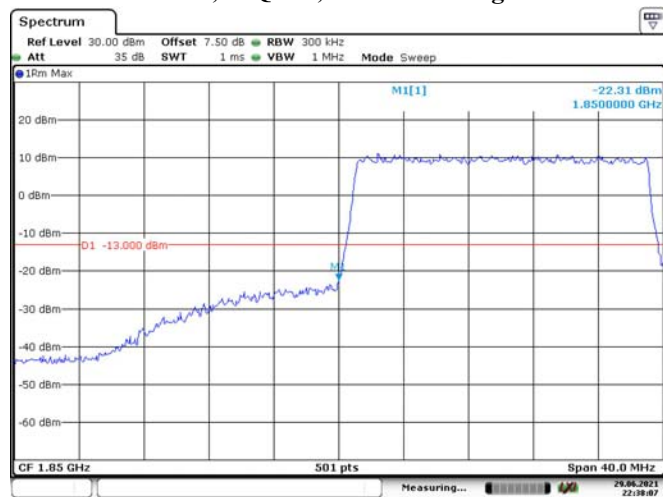
Date: 29 JUN 2021 22:35:35

15M, 16QAM, Right Band Edge



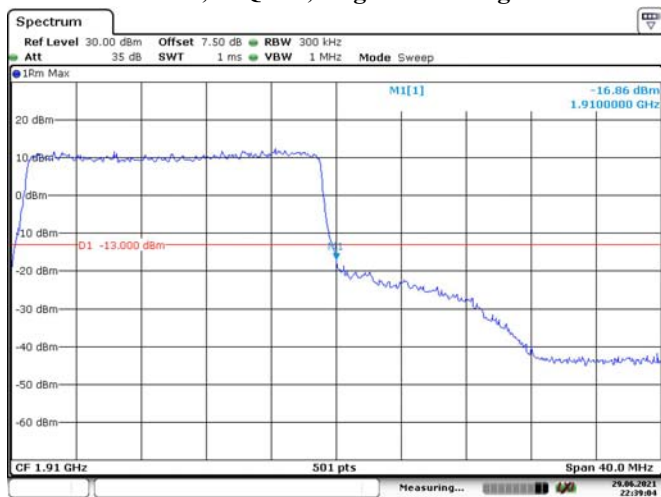
Date: 29 JUN 2021 22:37:07

20M, 16QAM, Left Band Edge

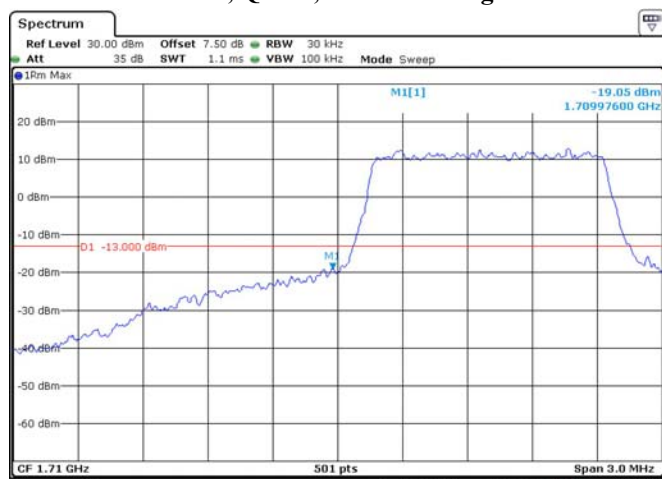


Date: 29 JUN 2021 22:38:07

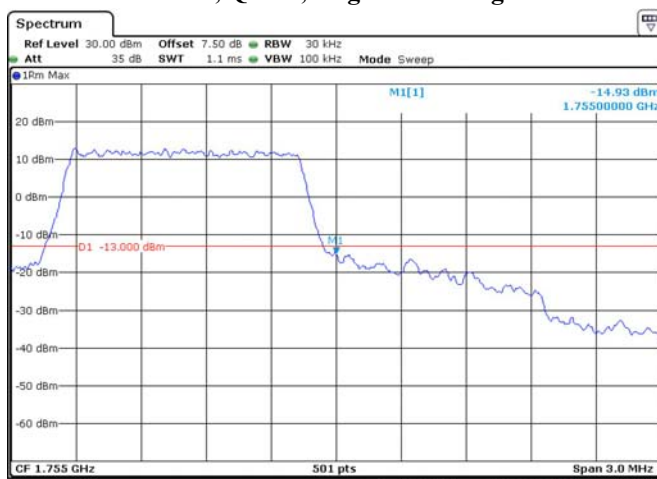
20M, 16QAM, Right Band Edge



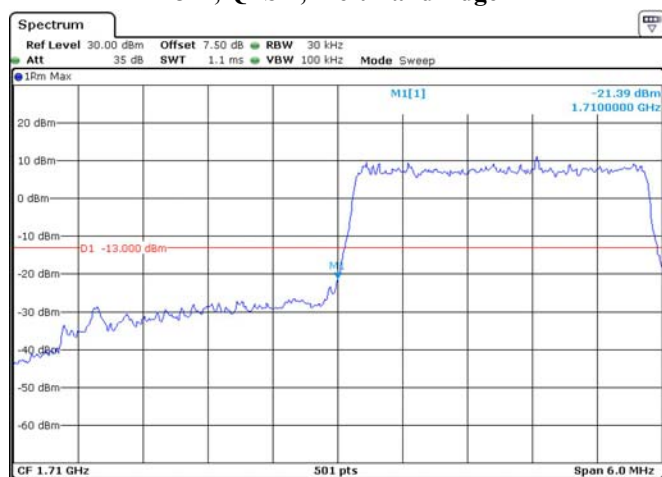
Date: 29 JUN 2021 22:39:04

LTE Band 4:**1.4M, QPSK, Left Band Edge**

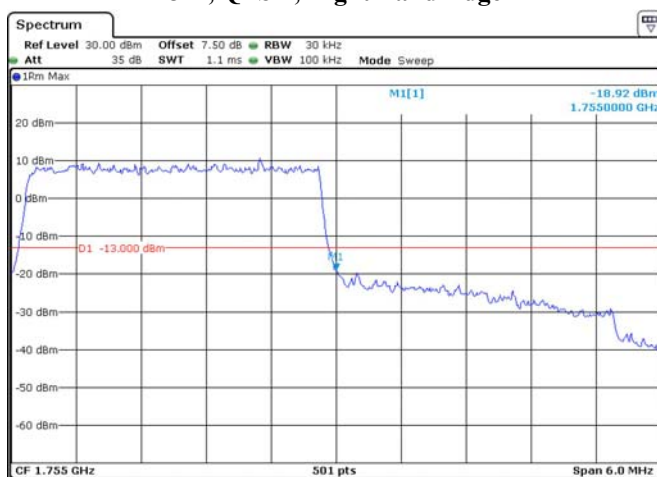
Date: 29.JUN.2021 22:39:22

1.4M, QPSK, Right Band Edge

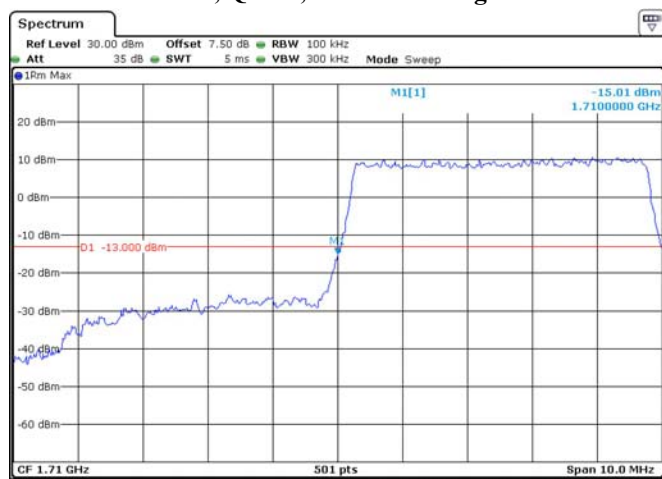
Date: 29.JUN.2021 22:40:03

3M, QPSK, Left Band Edge

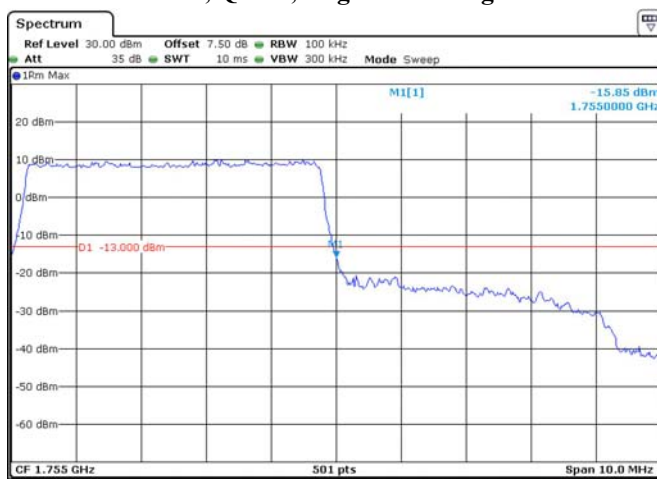
Date: 29.JUN.2021 22:40:53

3M, QPSK, Right Band Edge

Date: 29.JUN.2021 22:41:41

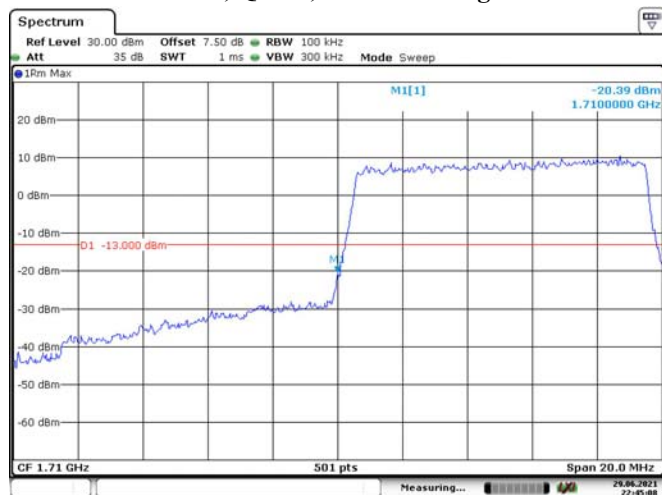
5M, QPSK, Left Band Edge

Date: 29.JUN.2021 22:42:48

5M, QPSK, Right Band Edge

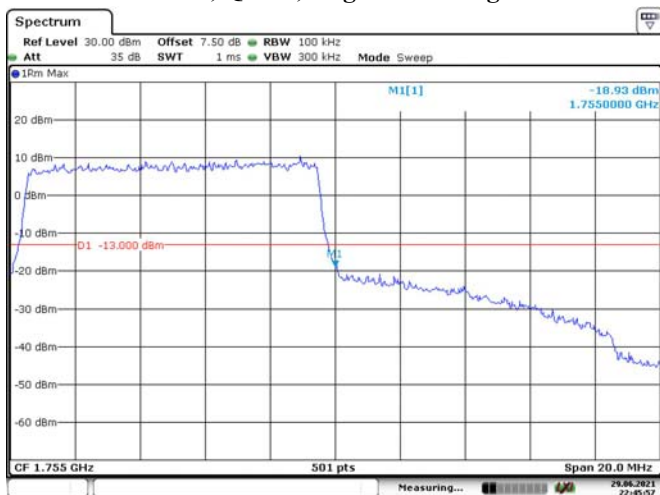
Date: 30.JUN.2021 00:10:13

10M, QPSK, Left Band Edge



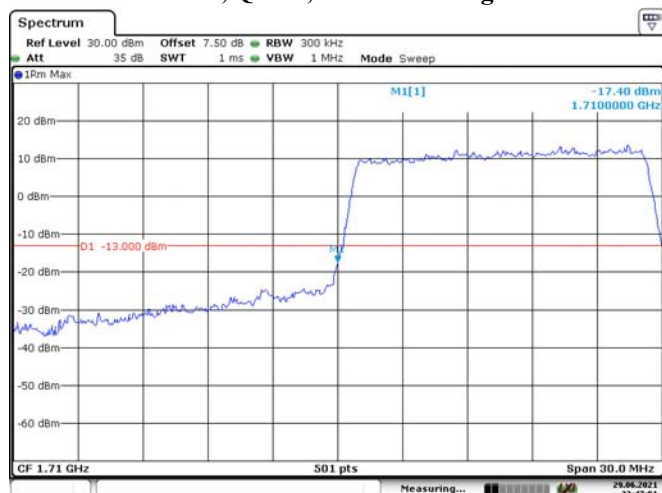
Date: 29.JUN.2021 22:45:07

10M, QPSK, Right Band Edge



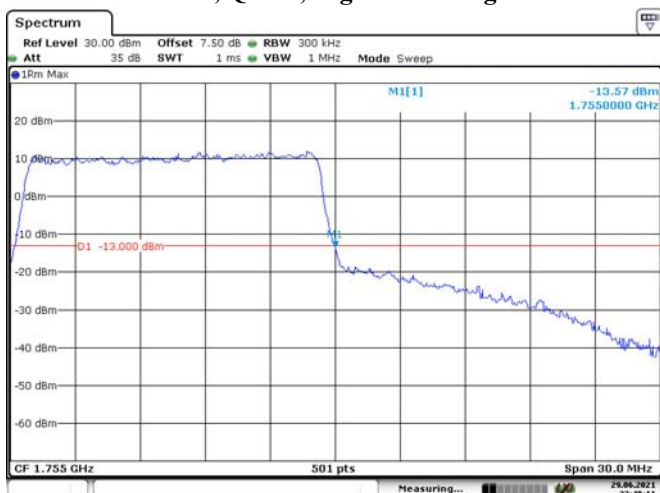
Date: 29.JUN.2021 22:45:57

15M, QPSK, Left Band Edge



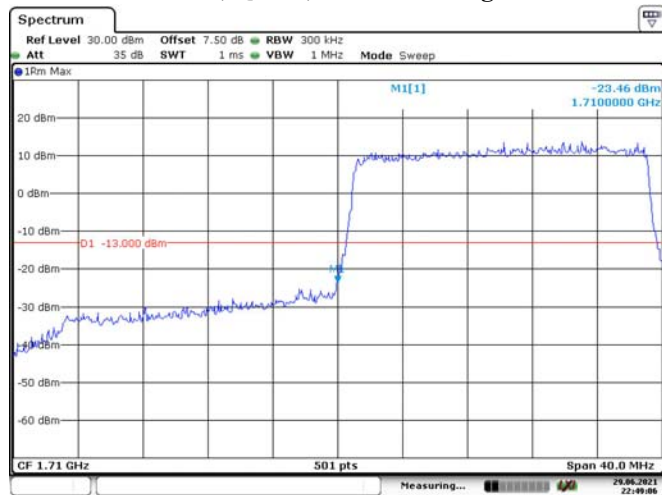
Date: 29.JUN.2021 22:47:01

15M, QPSK, Right Band Edge



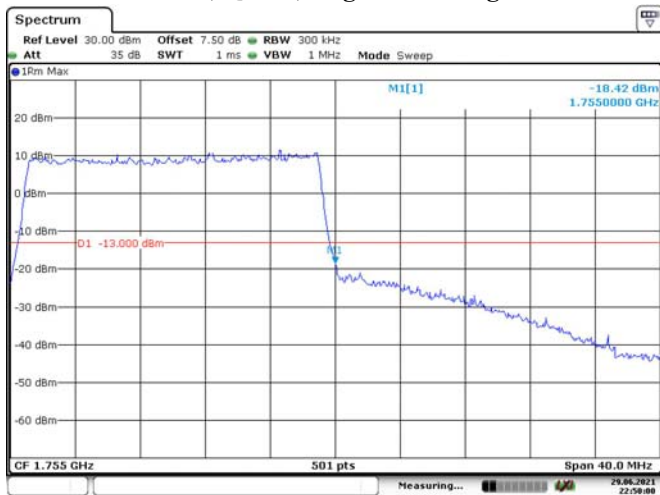
Date: 29.JUN.2021 22:48:11

20M, QPSK, Left Band Edge



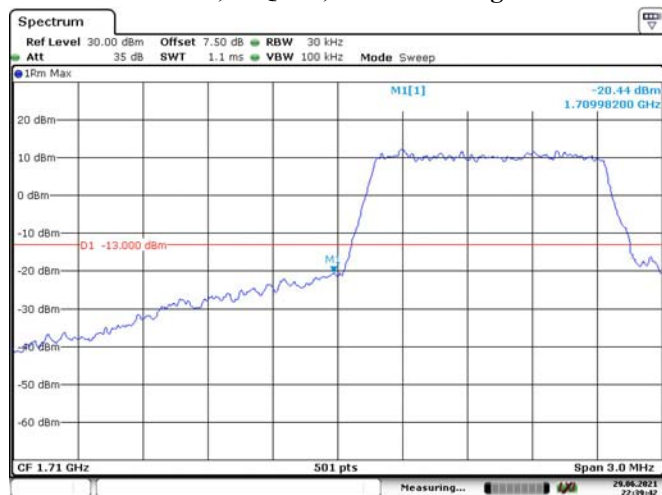
Date: 29.JUN.2021 22:49:05

20M, QPSK, Right Band Edge



Date: 29.JUN.2021 22:50:00

1.4M, 16QAM, Left Band Edge



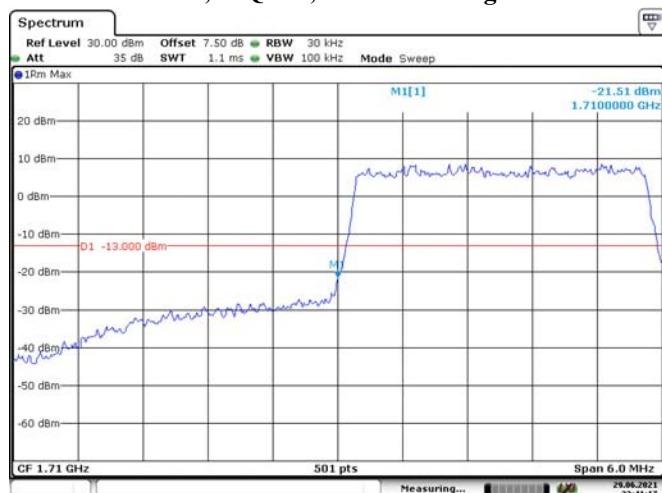
Date: 29.JUN.2021 22:39:42

1.4M, 16QAM, Right Band Edge



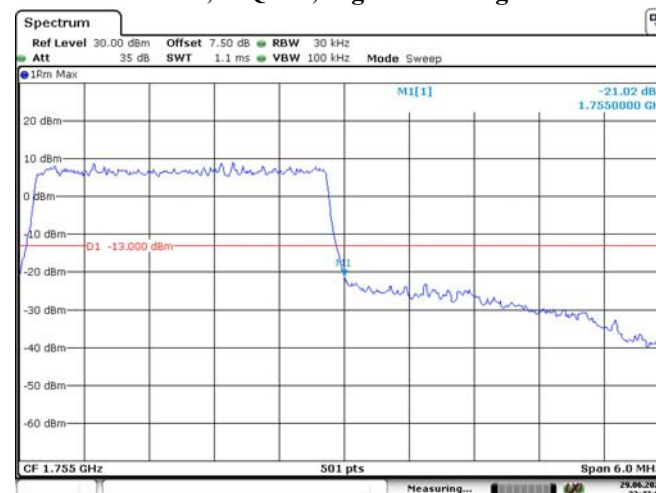
Date: 29.JUN.2021 22:40:26

3M, 16QAM, Left Band Edge



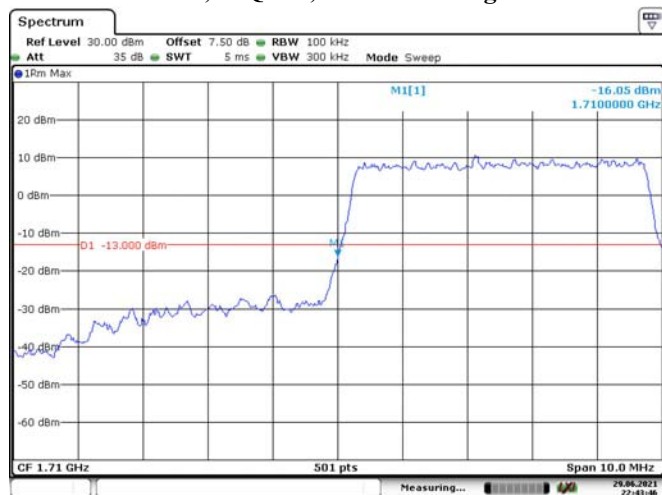
Date: 29.JUN.2021 22:41:16

3M, 16QAM, Right Band Edge



Date: 29.JUN.2021 22:42:01

5M, 16QAM, Left Band Edge



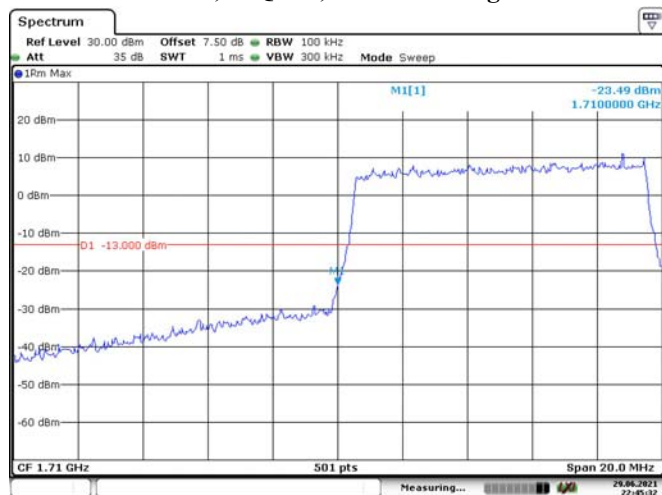
Date: 29.JUN.2021 22:43:46

5M, 16QAM, Right Band Edge

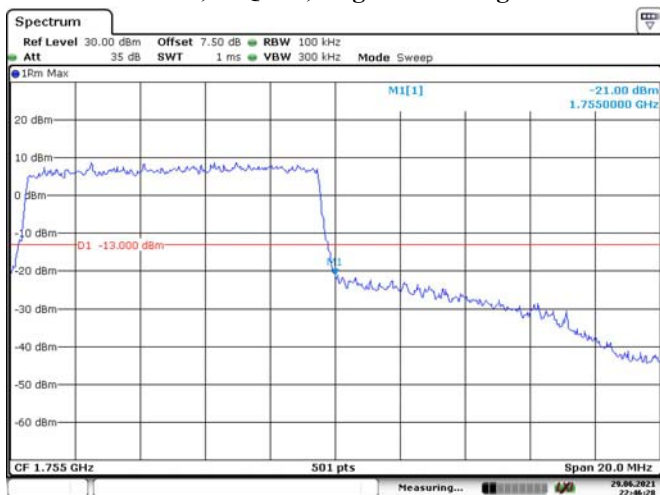


Date: 30.JUN.2021 00:10:49

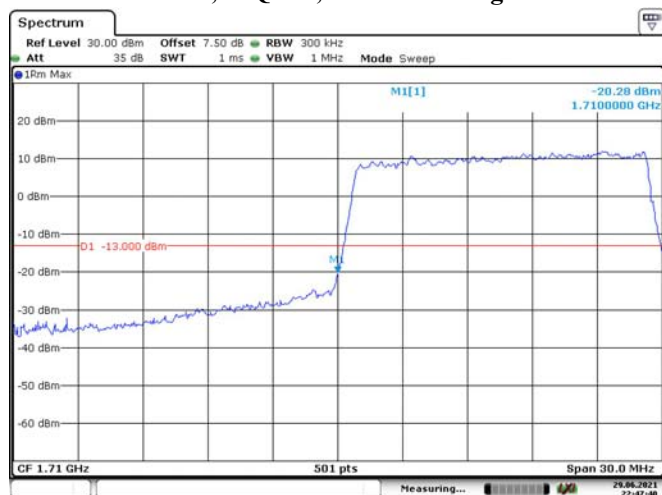
10M, 16QAM, Left Band Edge



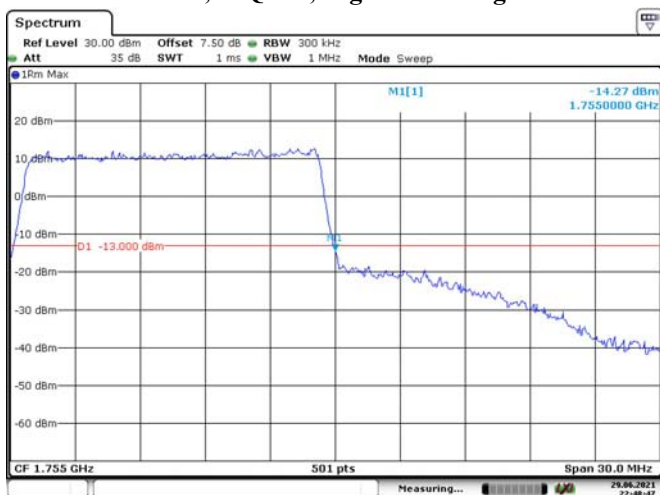
10M, 16QAM, Right Band Edge



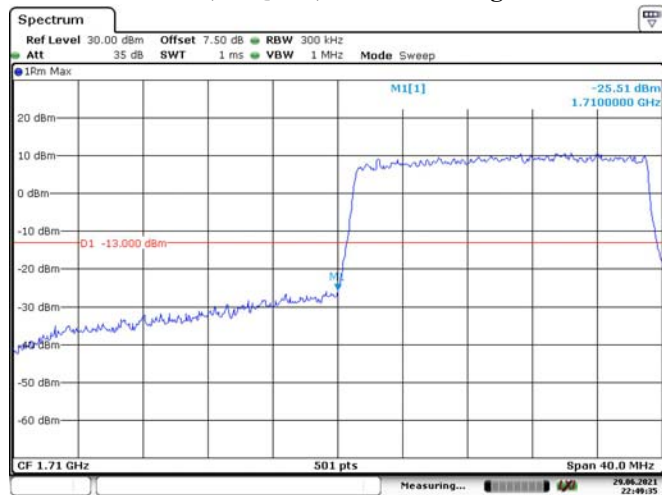
15M, 16QAM, Left Band Edge



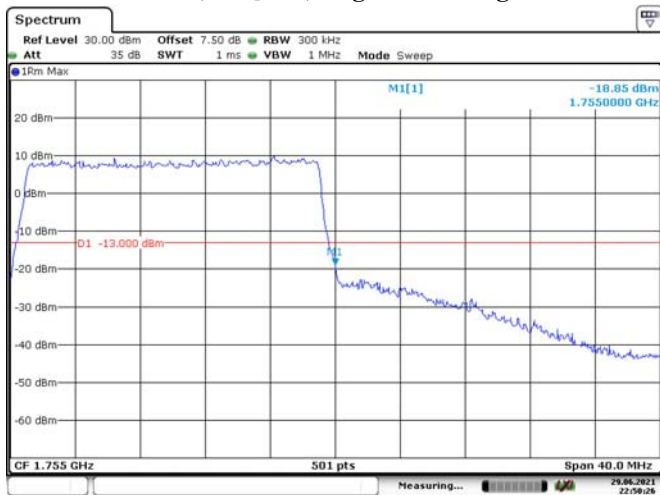
15M, 16QAM, Right Band Edge

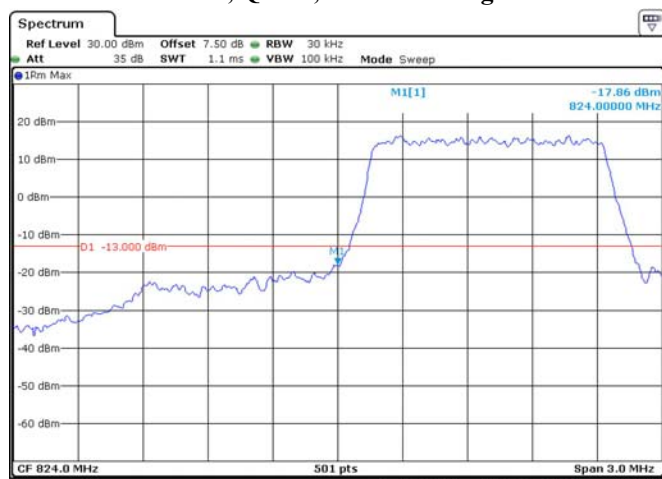
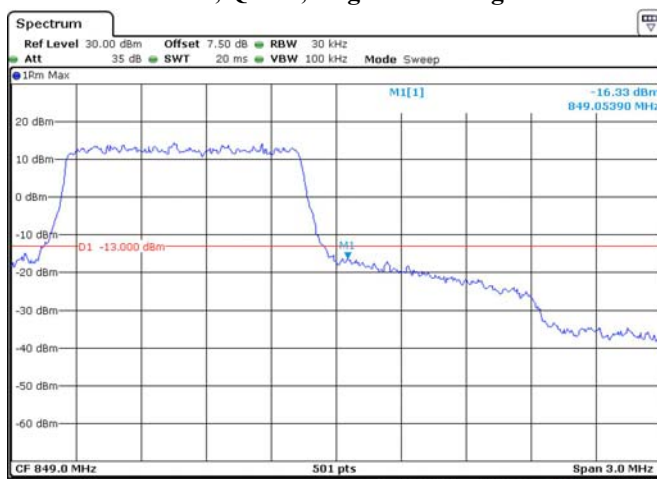
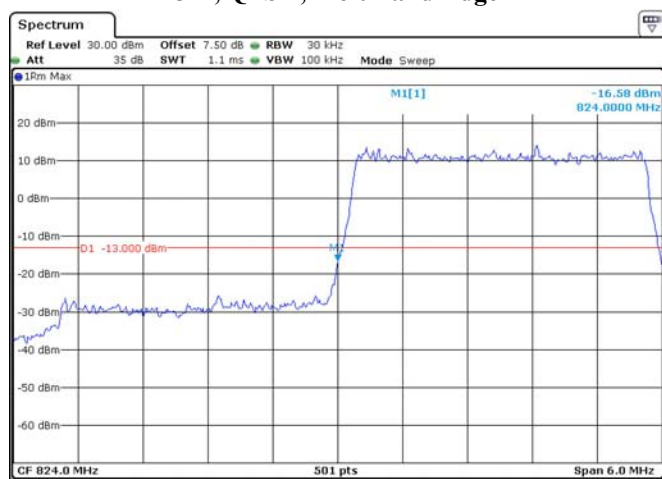
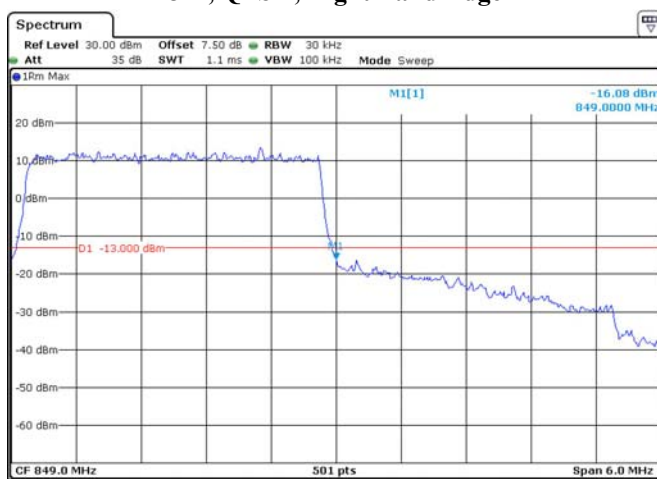
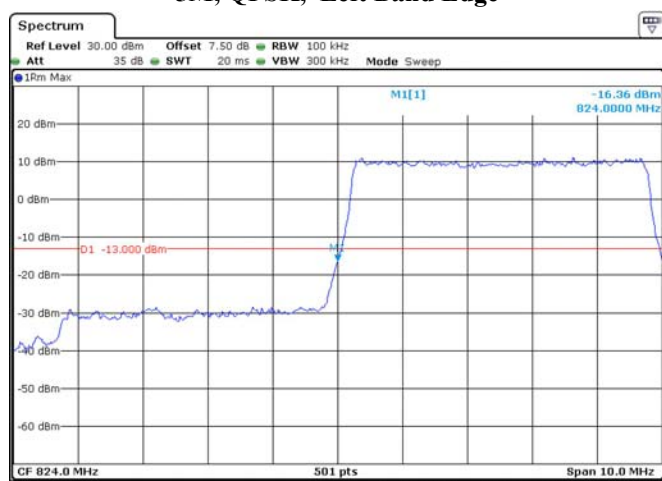


20M, 16QAM, Left Band Edge

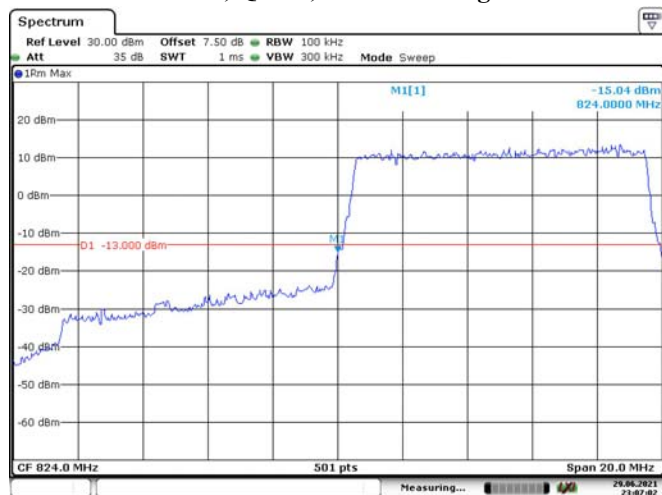


20M, 16QAM, Right Band Edge



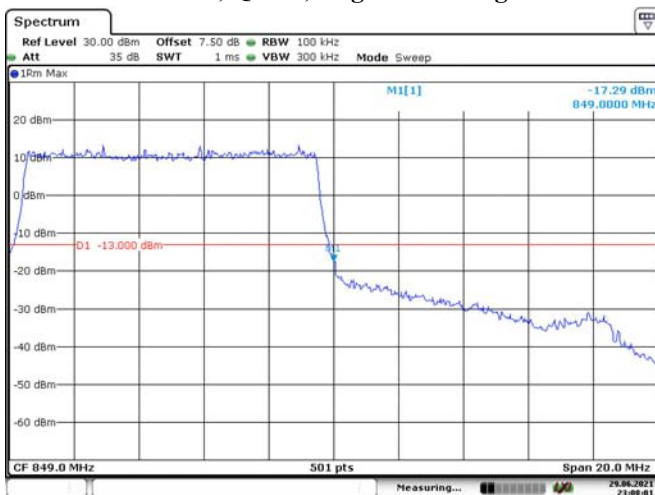
LTE Band 5:**1.4M, QPSK, Left Band Edge****1.4M, QPSK, Right Band Edge****3M, QPSK, Left Band Edge****3M, QPSK, Right Band Edge****5M, QPSK, Left Band Edge****5M, QPSK, Right Band Edge**

10M, QPSK, Left Band Edge



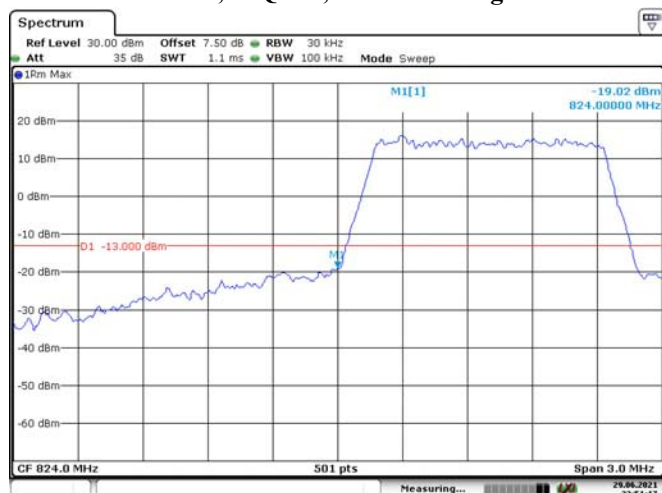
Date: 29.JUN.2021 23:07:02

10M, QPSK, Right Band Edge



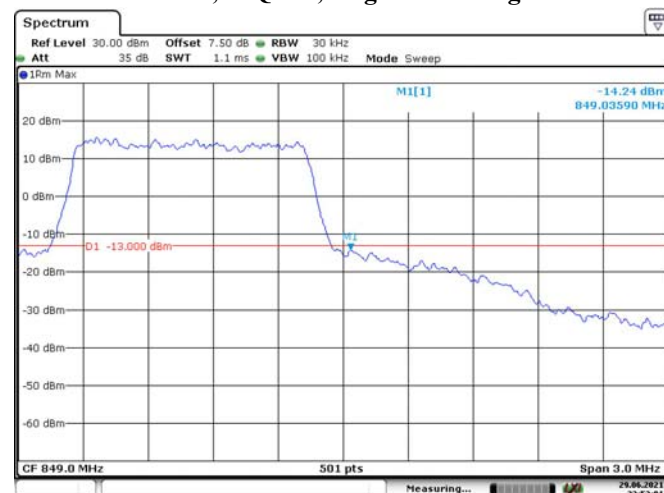
Date: 29.JUN.2021 23:08:01

1.4M, 16QAM, Left Band Edge



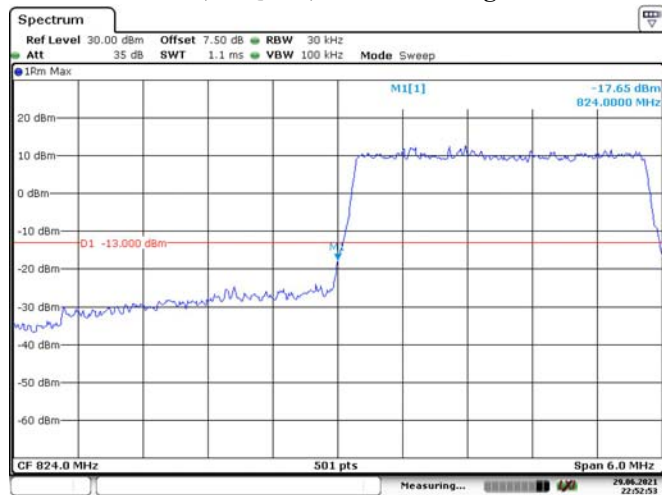
Date: 29.JUN.2021 22:51:17

1.4M, 16QAM, Right Band Edge



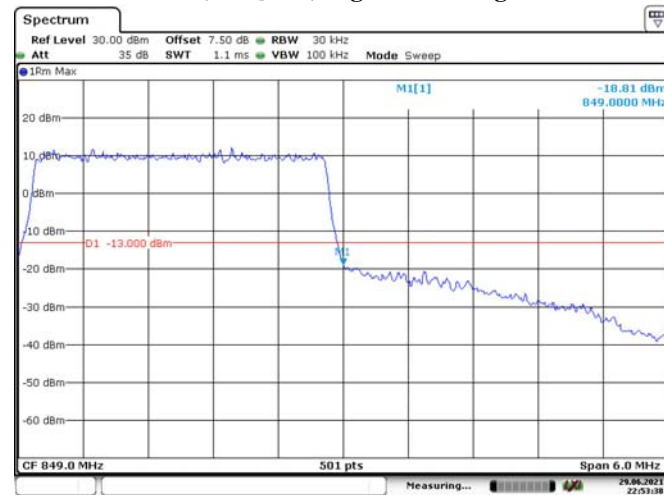
Date: 29.JUN.2021 22:52:01

3M, 16QAM, Left Band Edge



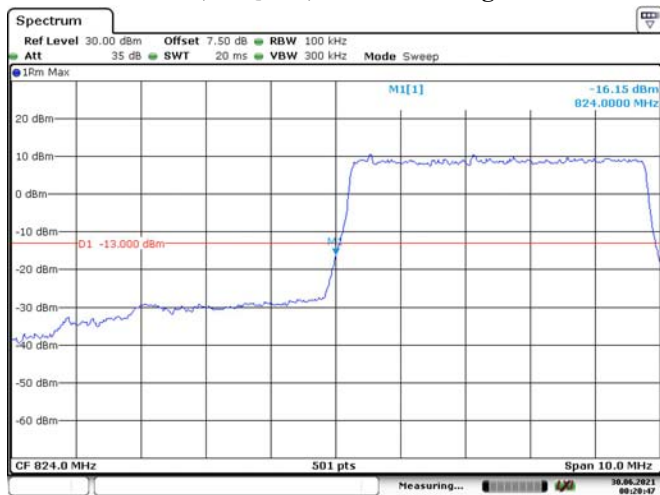
Date: 29.JUN.2021 22:52:53

3M, 16QAM, Right Band Edge



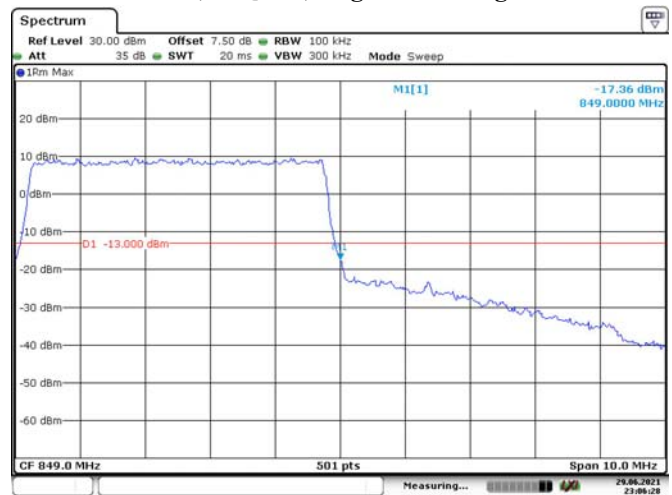
Date: 29.JUN.2021 22:53:38

5M, 16QAM, Left Band Edge



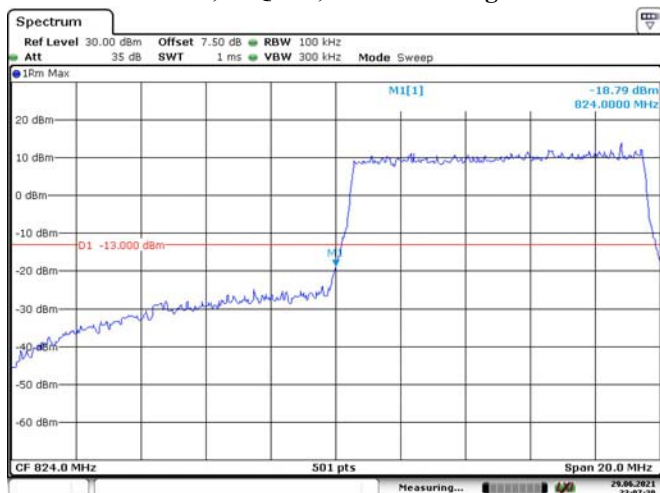
Date: 30.JUN.2021 00:20:47

5M, 16QAM, Right Band Edge



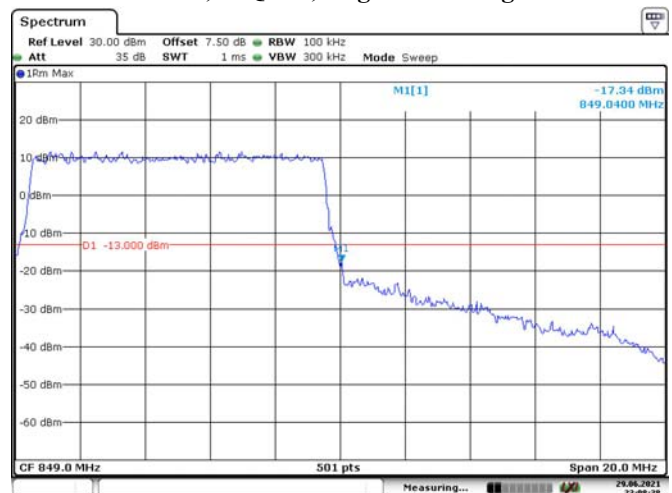
Date: 29.JUN.2021 23:06:28

10M, 16QAM, Left Band Edge

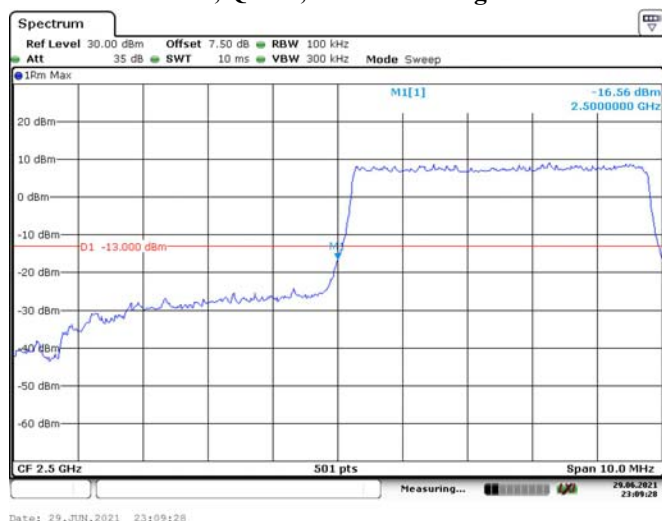
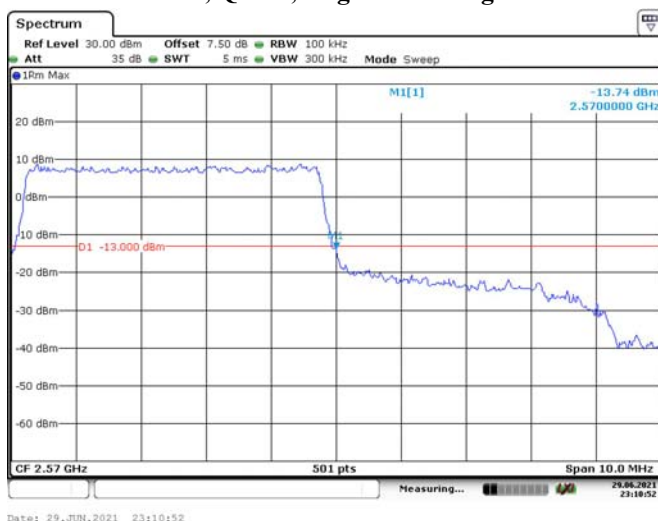
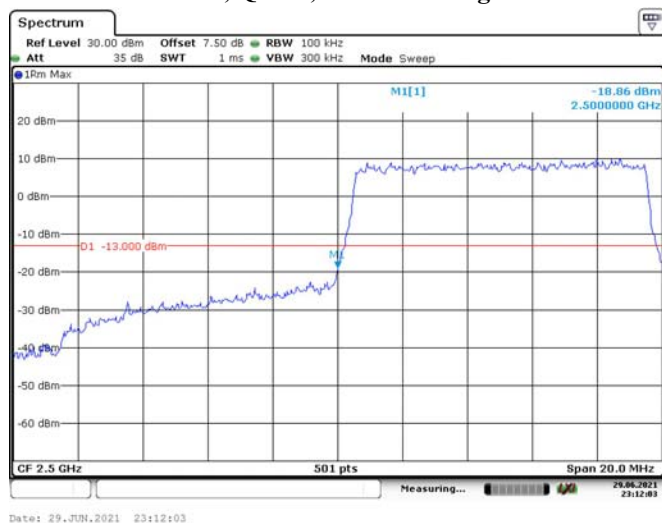
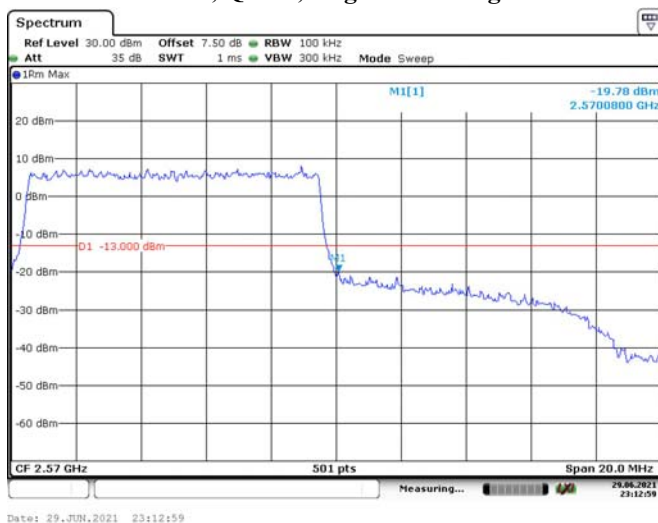
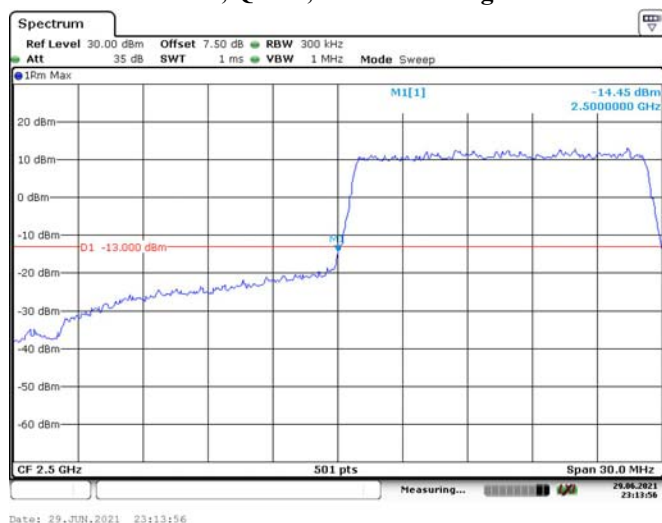
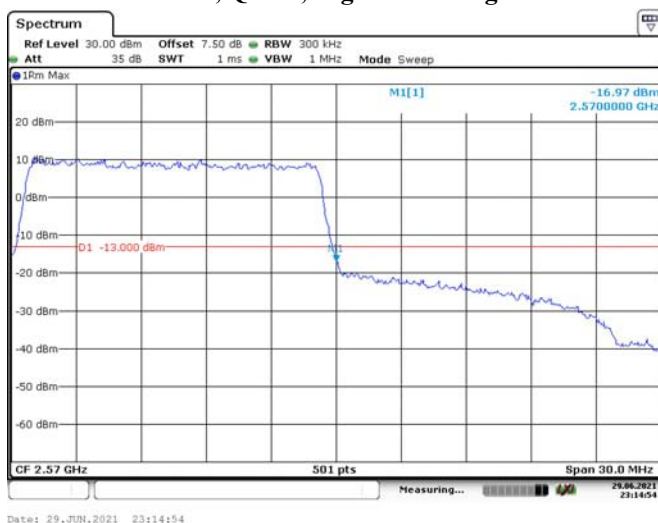


Date: 29.JUN.2021 23:07:30

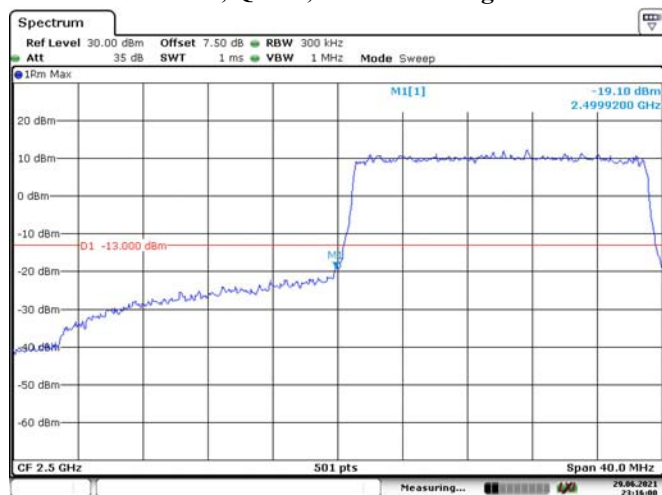
10M, 16QAM, Right Band Edge



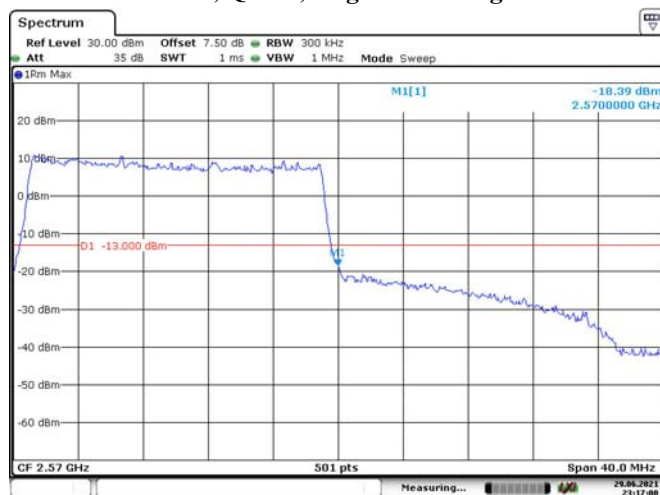
Date: 29.JUN.2021 23:08:38

LTE Band 7:**5M, QPSK, Left Band Edge****5M, QPSK, Right Band Edge****10M, QPSK, Left Band Edge****10M, QPSK, Right Band Edge****15M, QPSK, Left Band Edge****15M, QPSK, Right Band Edge**

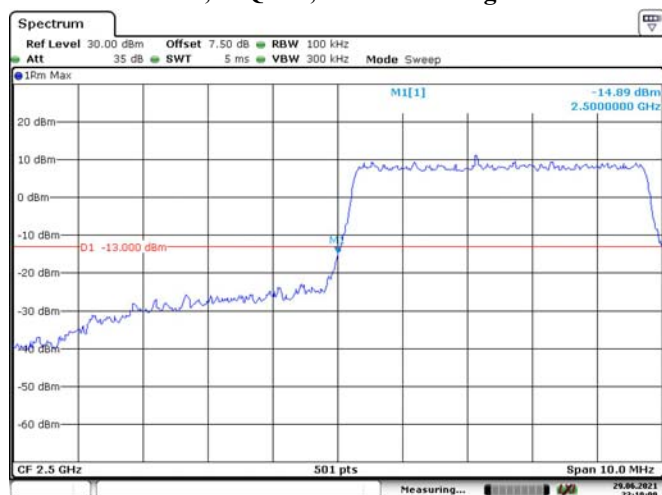
20M, QPSK, Left Band Edge



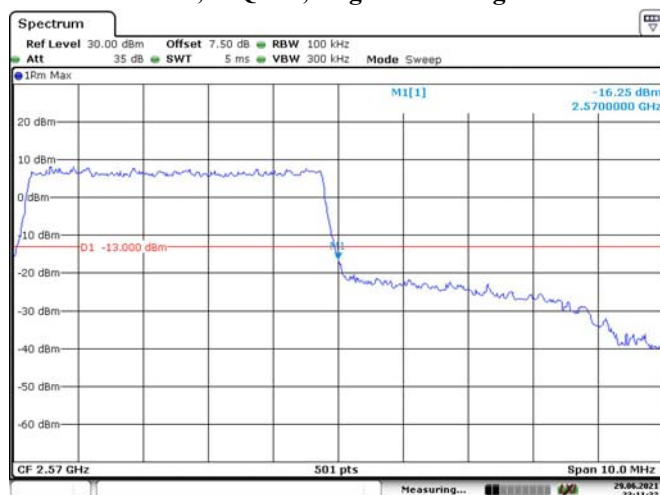
20M, QPSK, Right Band Edge



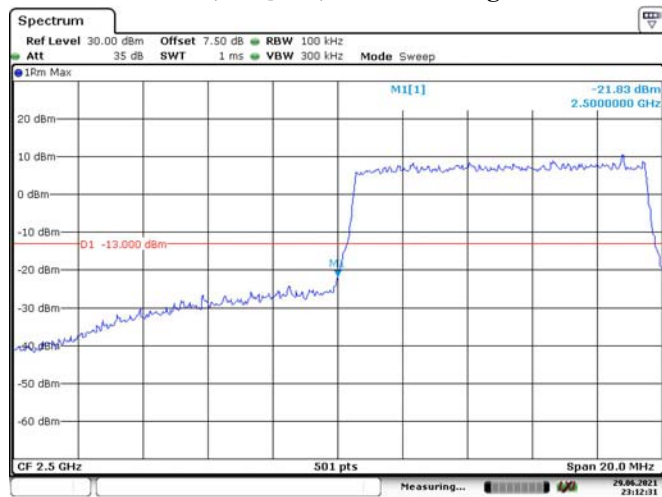
5M, 16QAM, Left Band Edge



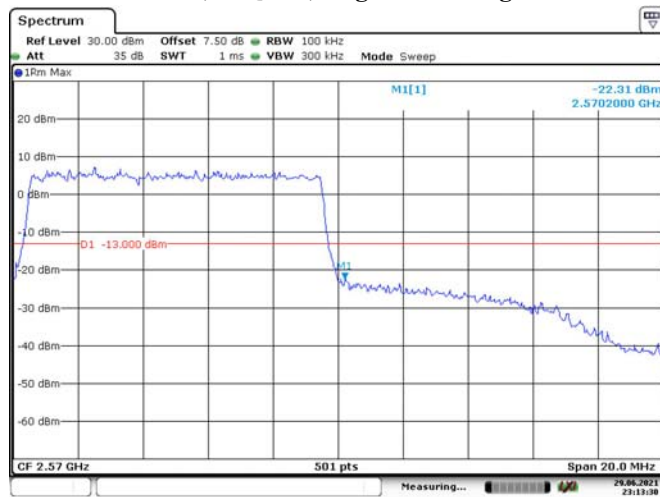
5M, 16QAM, Right Band Edge



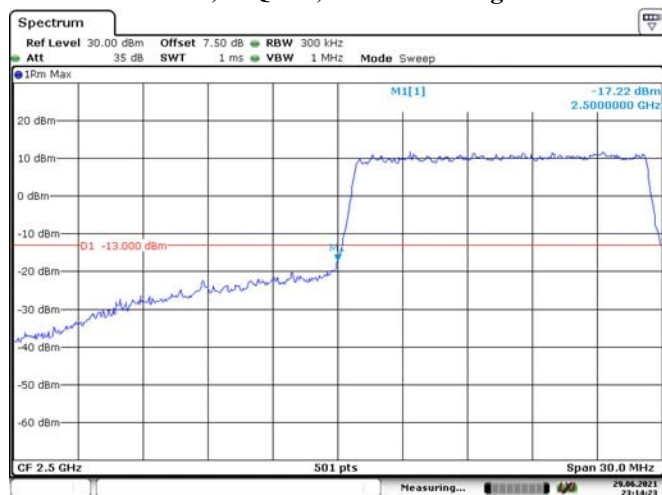
10M, 16QAM, Left Band Edge



10M, 16QAM, Right Band Edge

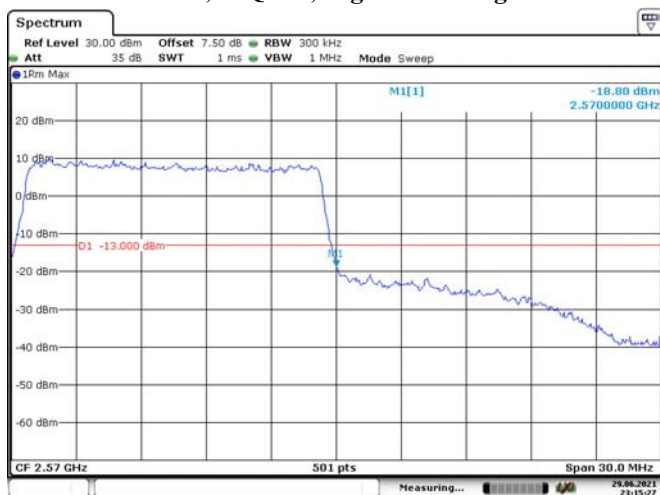


15M, 16QAM, Left Band Edge



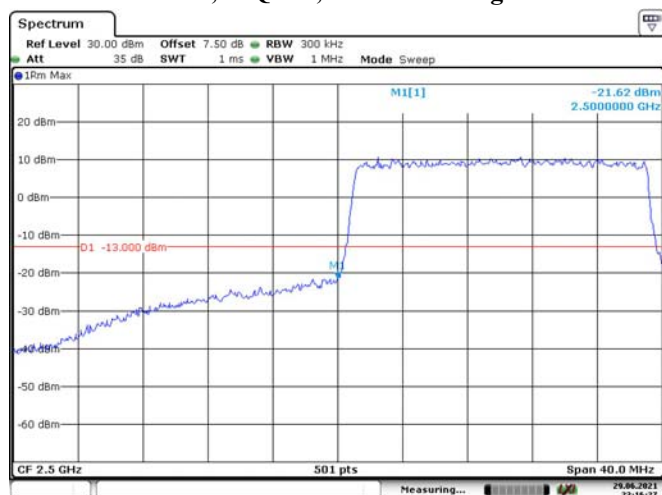
Date: 29.JUN.2021 23:14:23

15M, 16QAM, Right Band Edge



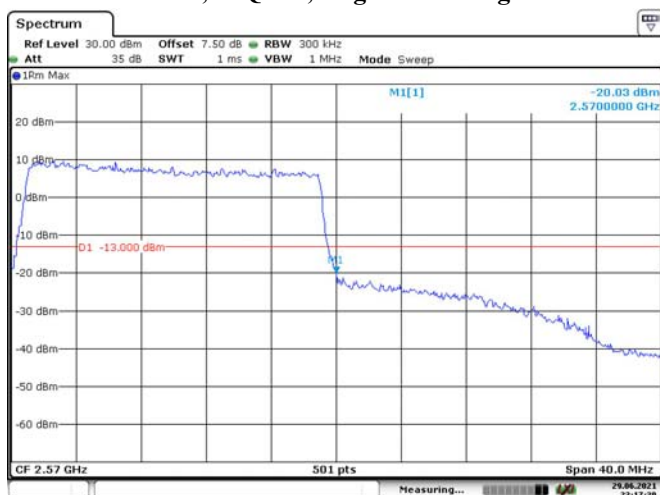
Date: 29.JUN.2021 23:15:26

20M, 16QAM, Left Band Edge

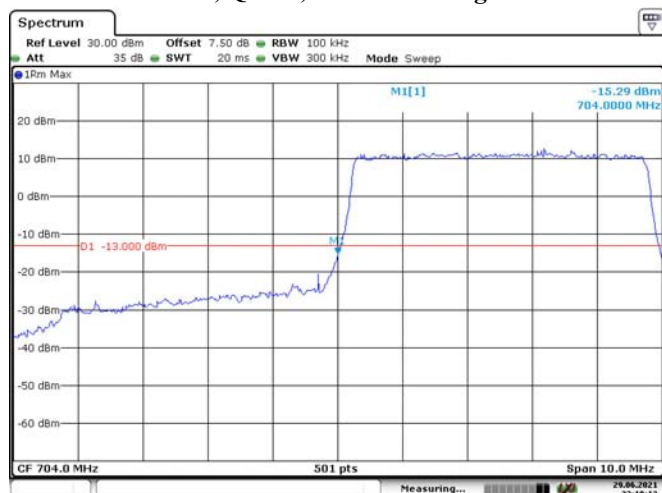


Date: 29.JUN.2021 23:16:26

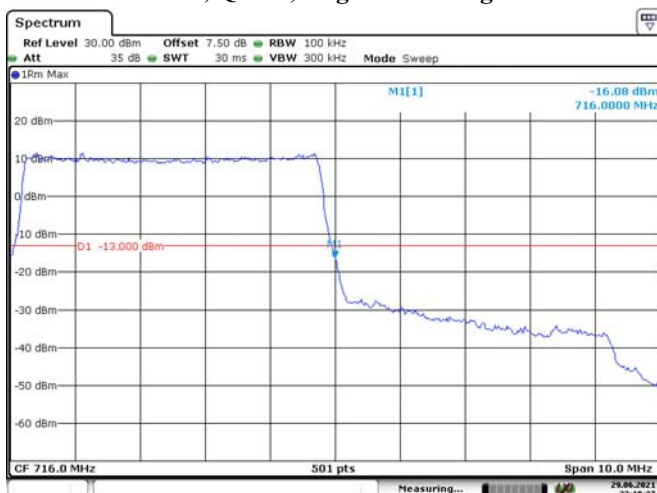
20M, 16QAM, Right Band Edge



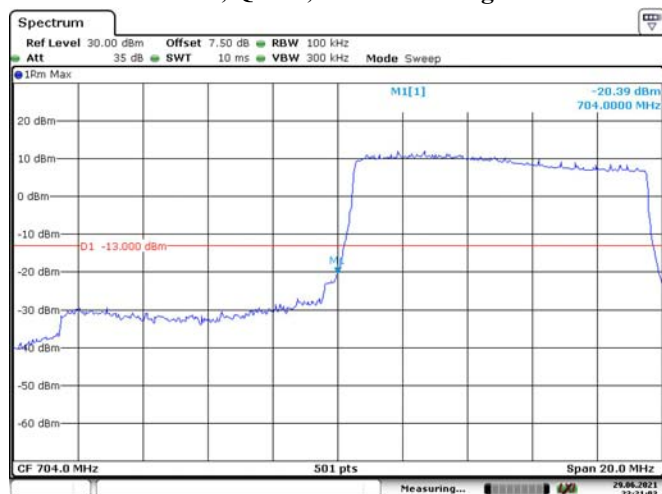
Date: 29.JUN.2021 23:17:30

LTE Band 17:**5M, QPSK, Left Band Edge**

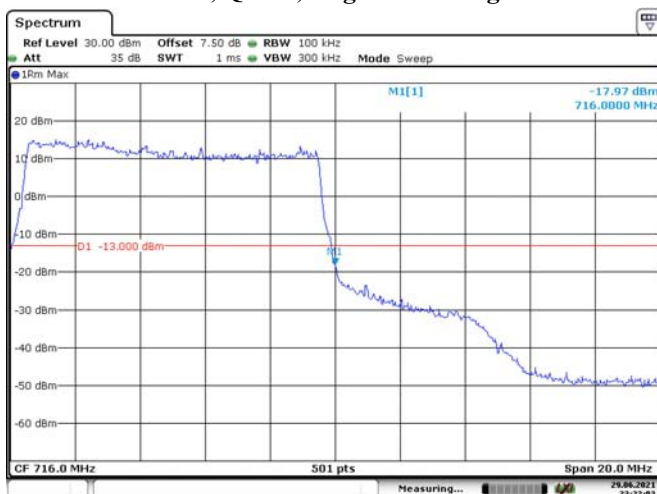
Date: 29.JUN.2021 23:18:13

5M, QPSK, Right Band Edge

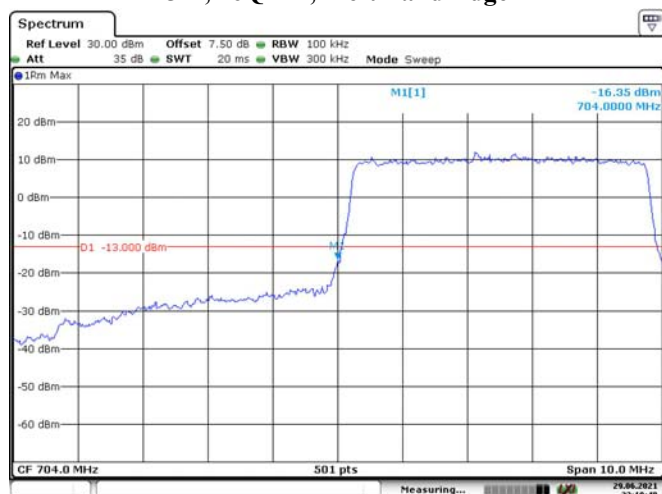
Date: 29.JUN.2021 23:19:36

10M, QPSK, Left Band Edge

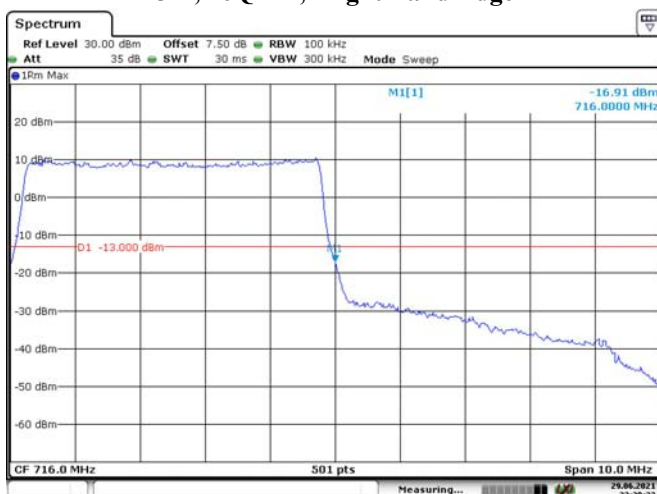
Date: 29.JUN.2021 23:21:03

10M, QPSK, Right Band Edge

Date: 29.JUN.2021 23:22:02

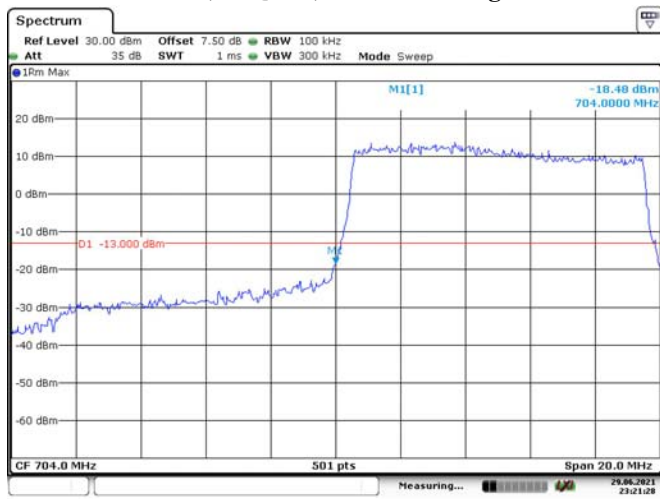
5M, 16QAM, Left Band Edge

Date: 29.JUN.2021 23:18:49

5M, 16QAM, Right Band Edge

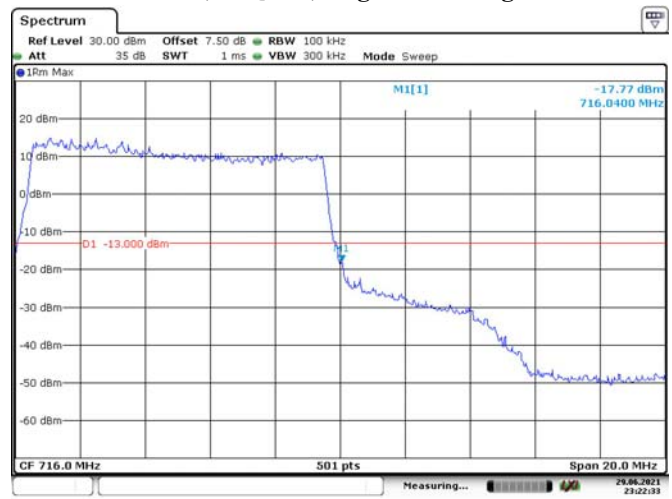
Date: 29.JUN.2021 23:20:22

10M, 16QAM, Left Band Edge

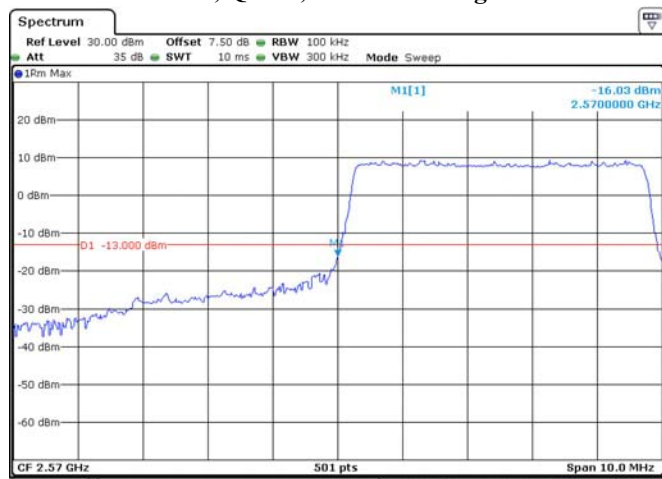


Date: 29.JUN.2021 23:21:28

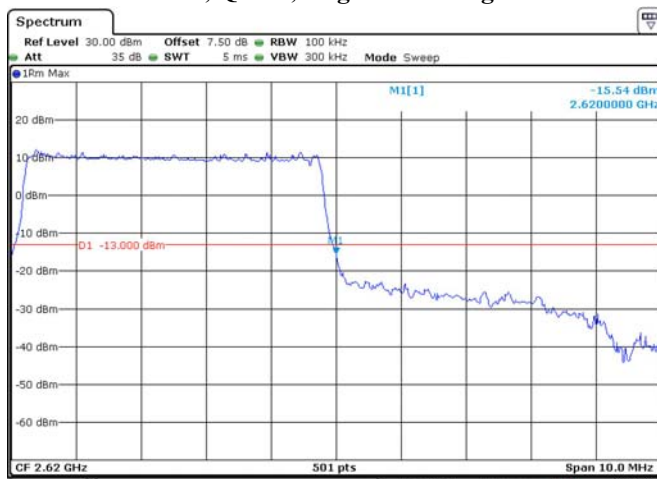
10M, 16QAM, Right Band Edge



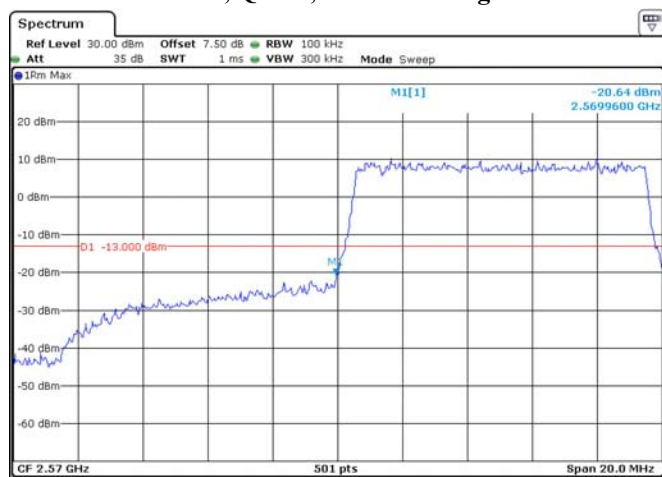
Date: 29.JUN.2021 23:22:33

LTE Band 38:**5M, QPSK, Left Band Edge**

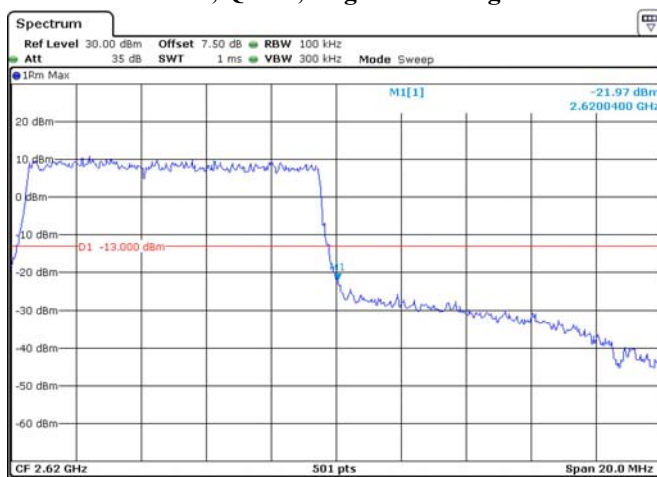
Date: 29.JUN.2021 23:25:04

5M, QPSK, Right Band Edge

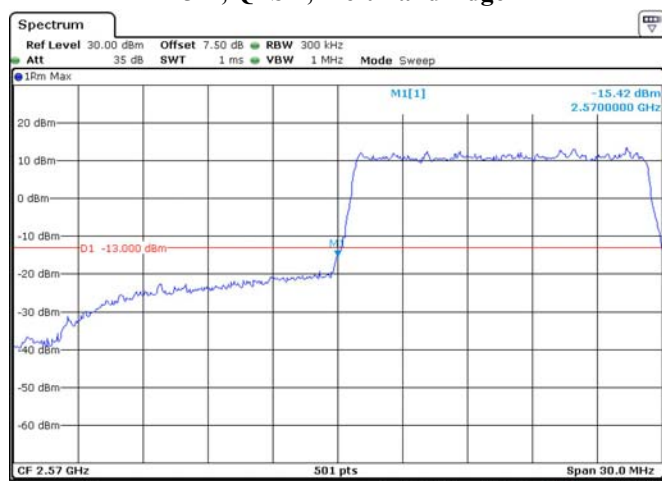
Date: 29.JUN.2021 23:26:20

10M, QPSK, Left Band Edge

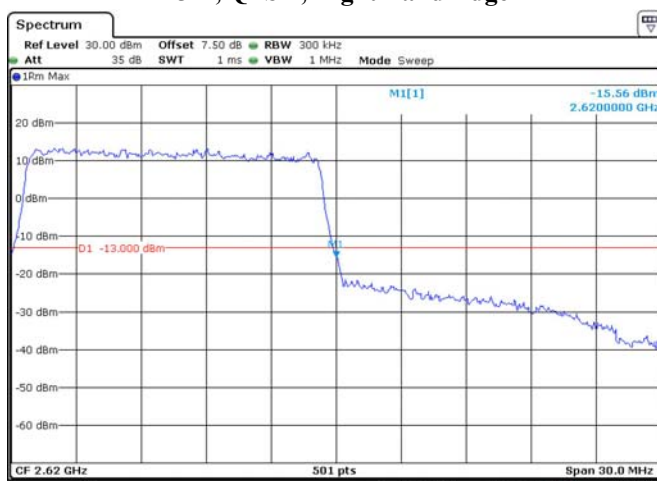
Date: 29.JUN.2021 23:27:24

10M, QPSK, Right Band Edge

Date: 29.JUN.2021 23:28:29

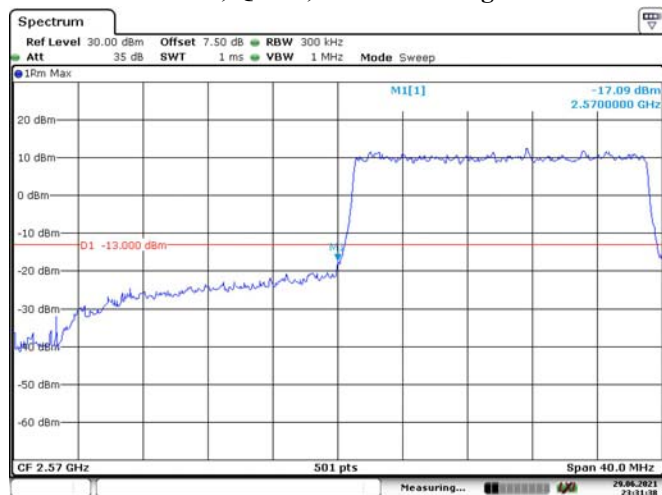
15M, QPSK, Left Band Edge

Date: 29.JUN.2021 23:29:41

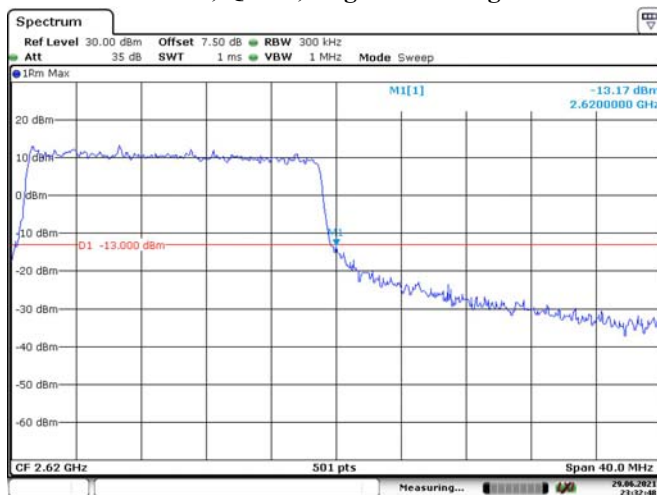
15M, QPSK, Right Band Edge

Date: 29.JUN.2021 23:30:42

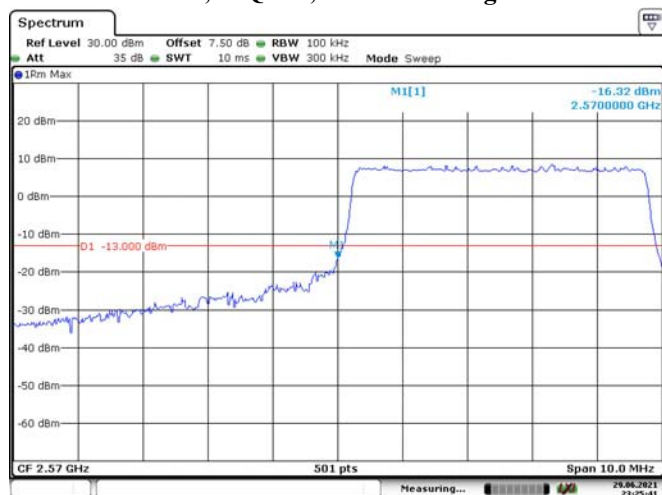
20M, QPSK, Left Band Edge



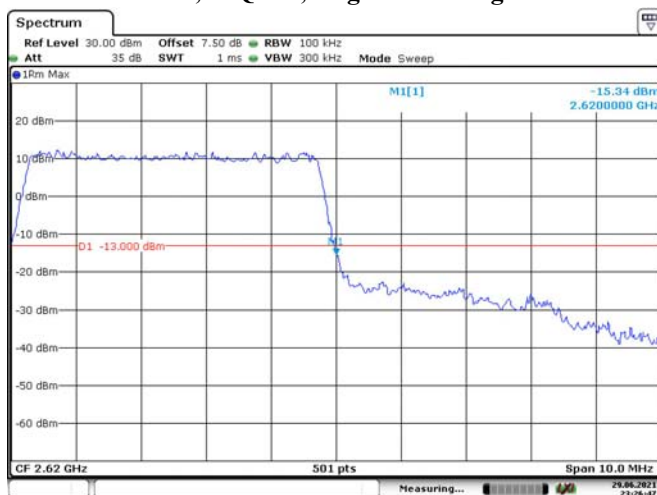
20M, QPSK, Right Band Edge



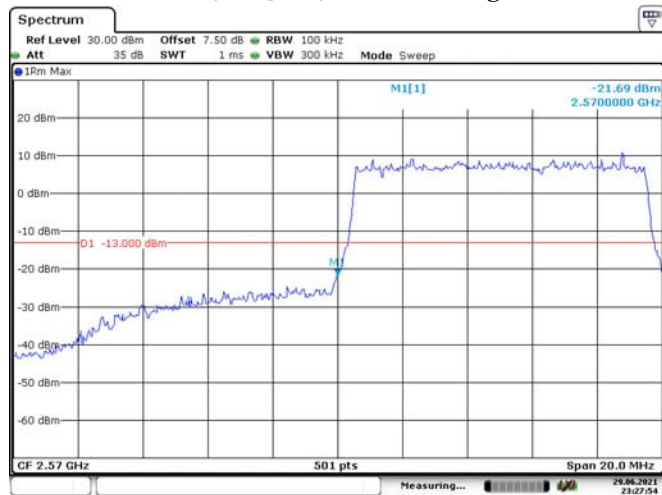
5M, 16QAM, Left Band Edge



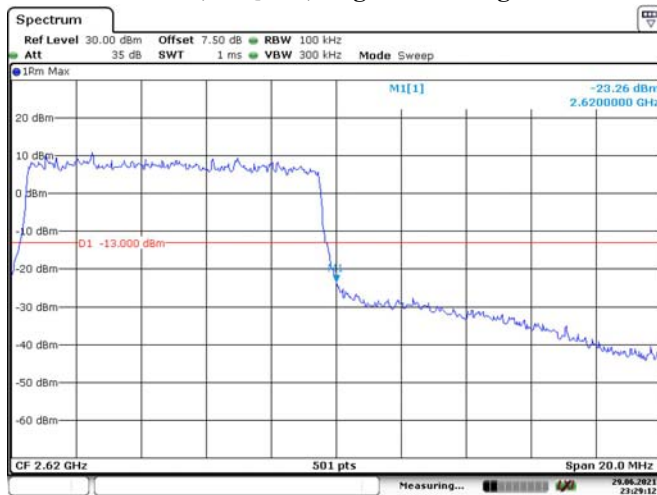
5M, 16QAM, Right Band Edge



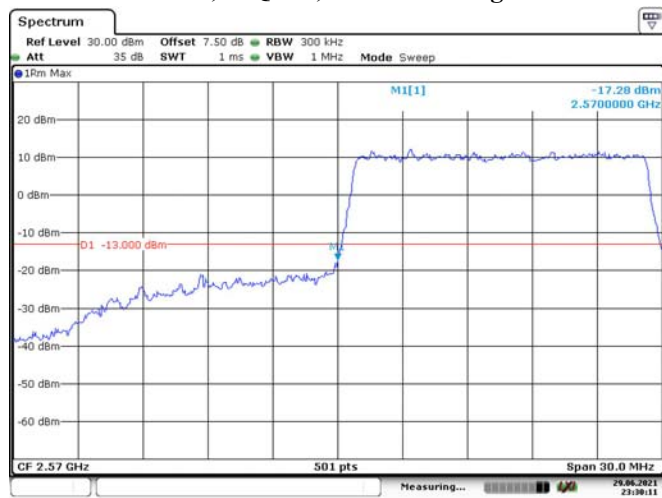
10M, 16QAM, Left Band Edge



10M, 16QAM, Right Band Edge

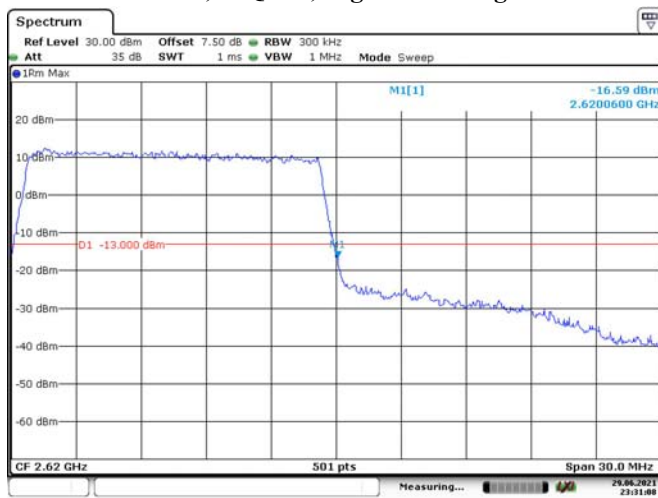


15M, 16QAM, Left Band Edge



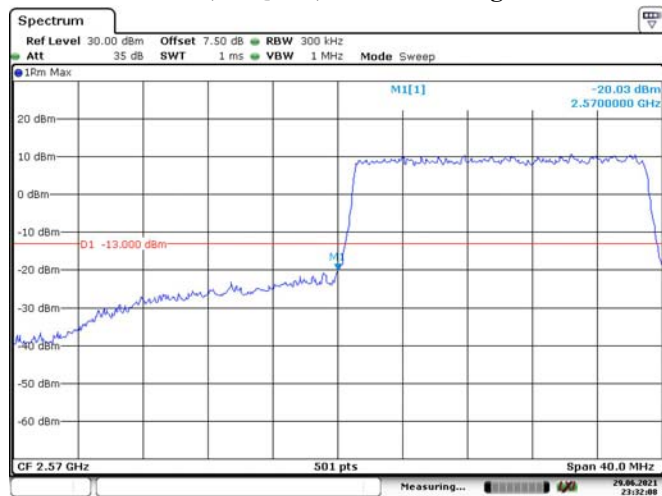
Date: 29.JUN.2021 23:30:11

15M, 16QAM, Right Band Edge



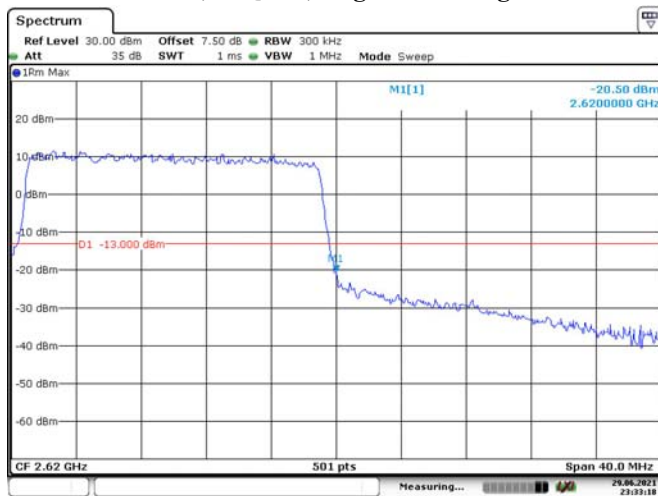
Date: 29.JUN.2021 23:31:08

20M, 16QAM, Left Band Edge

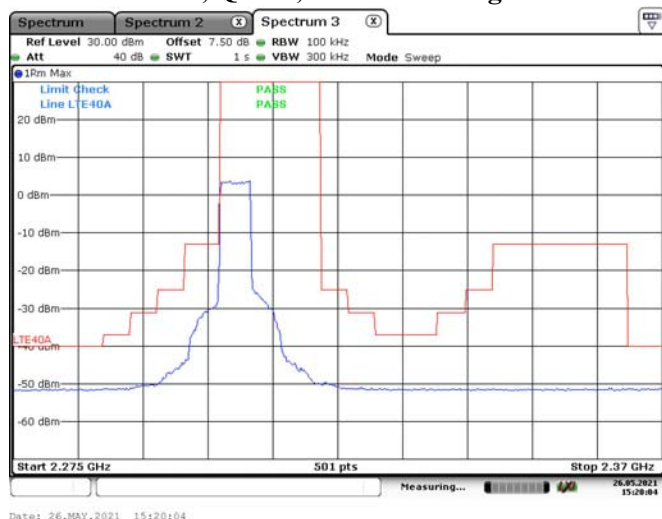
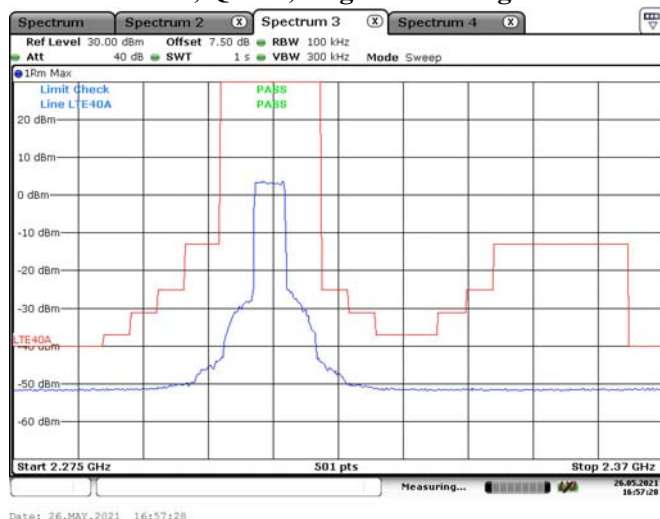
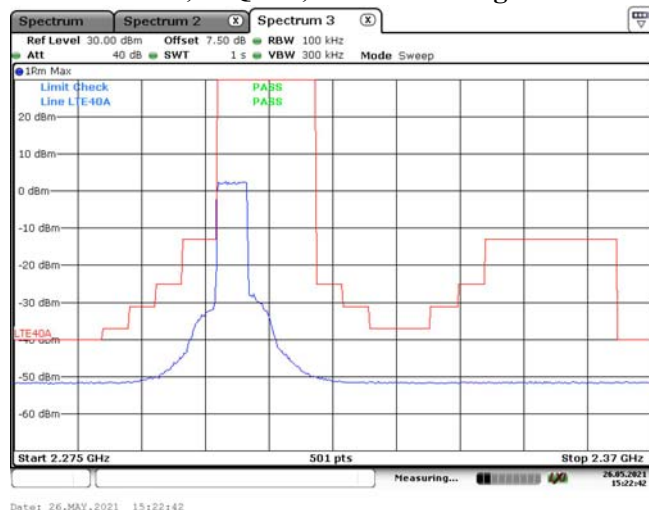
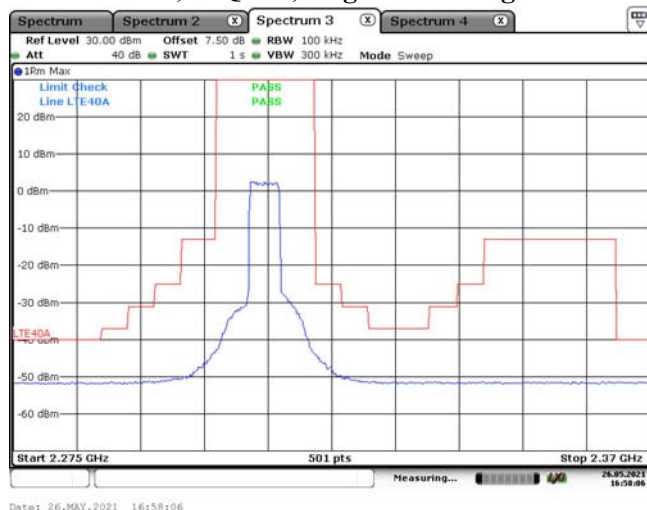
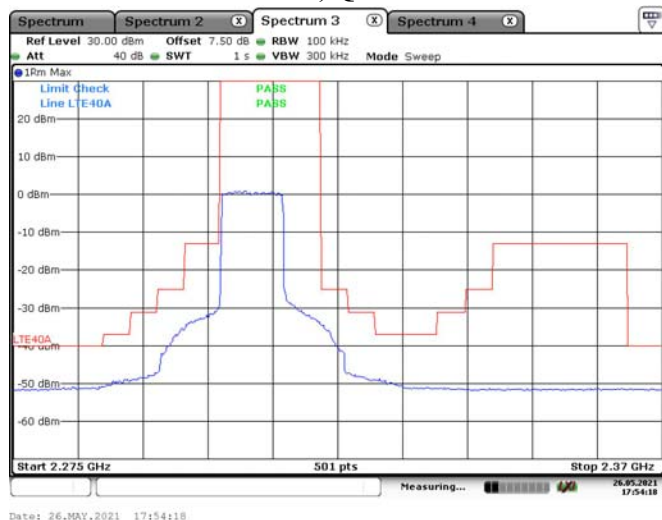
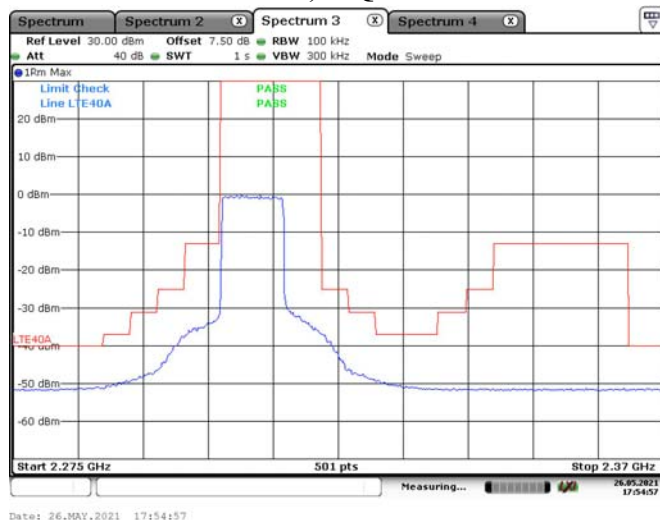


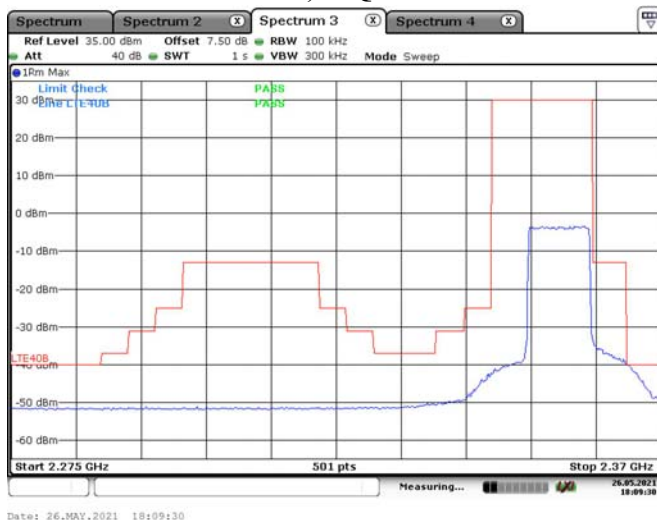
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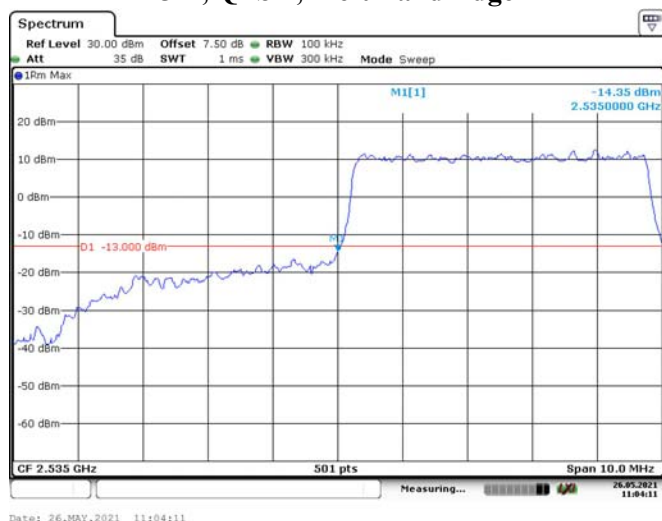
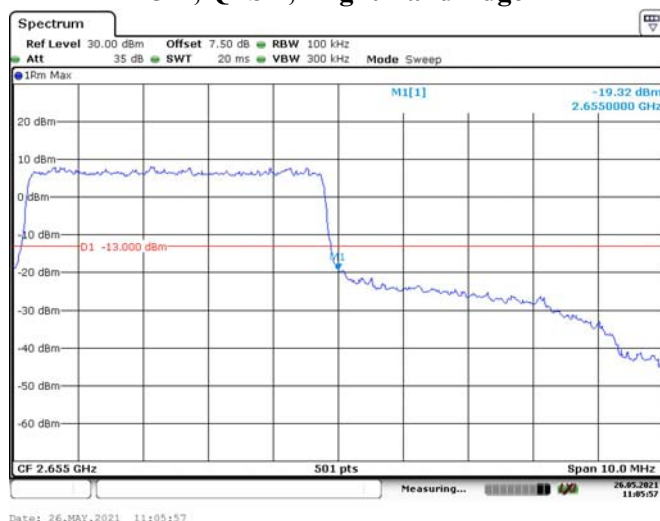
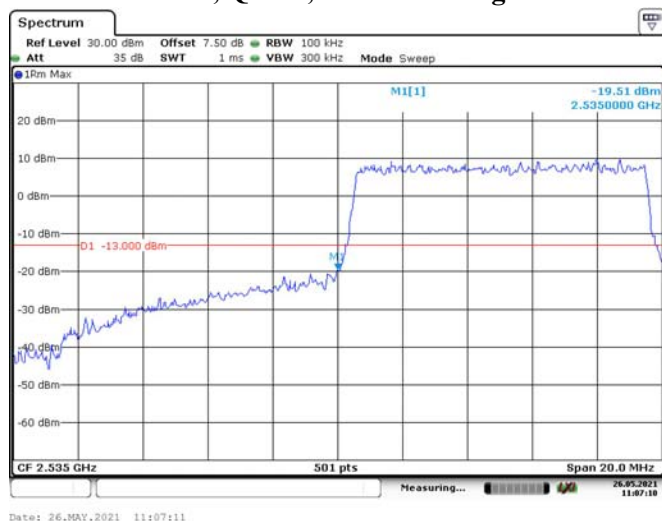
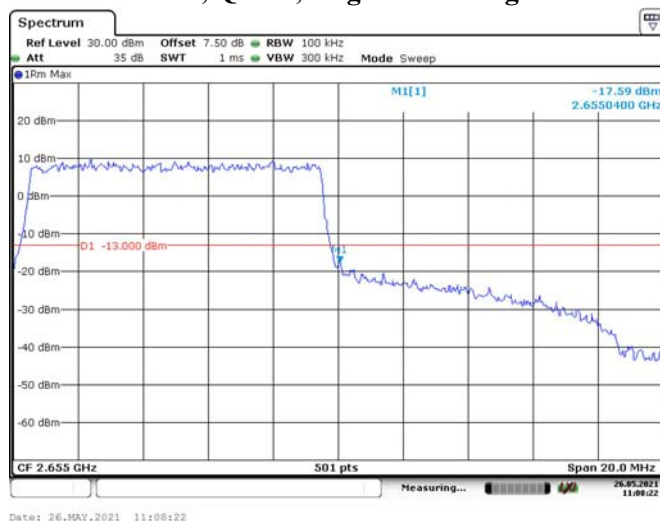
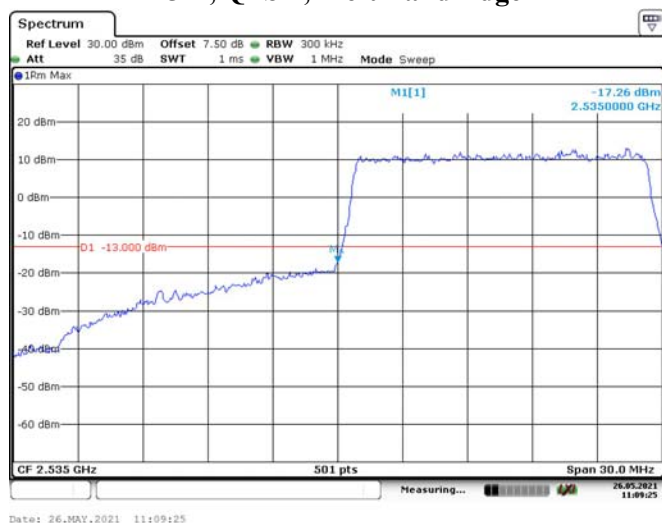
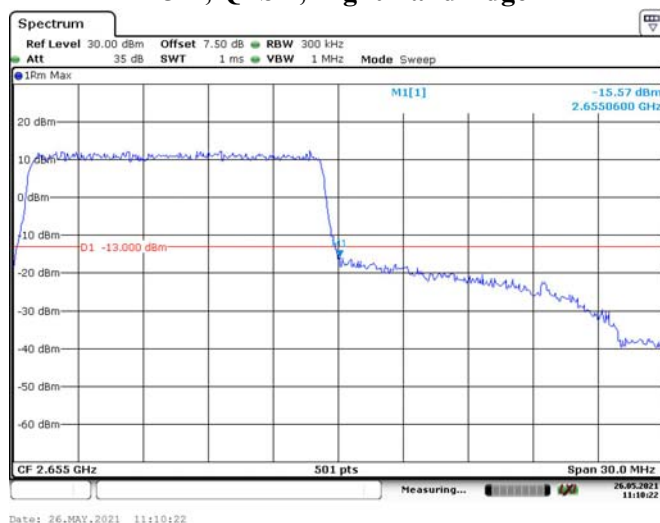
20M, 16QAM, Right Band Edge

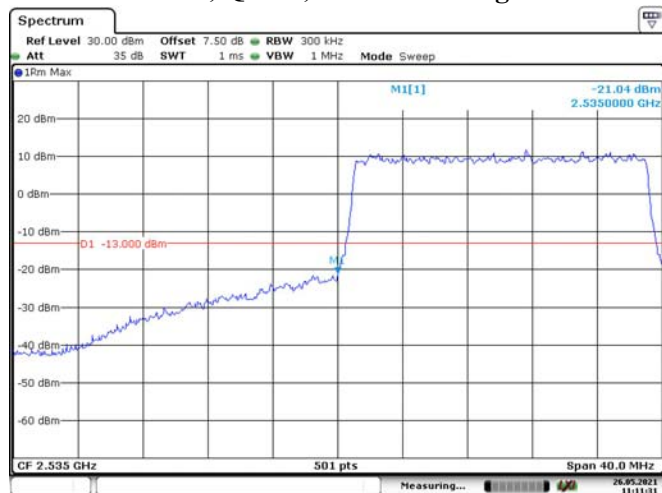
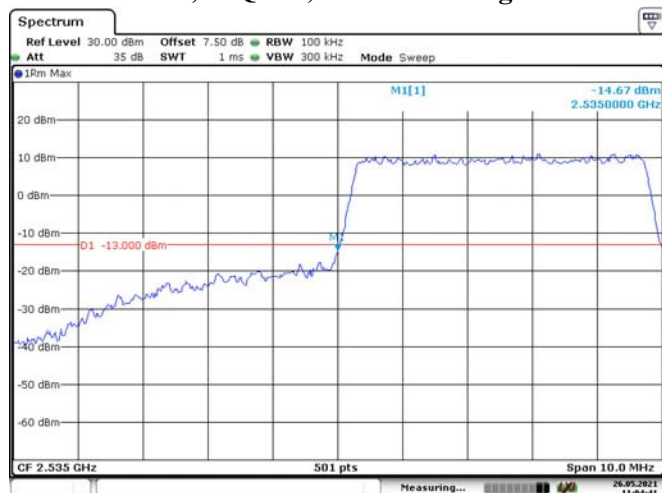
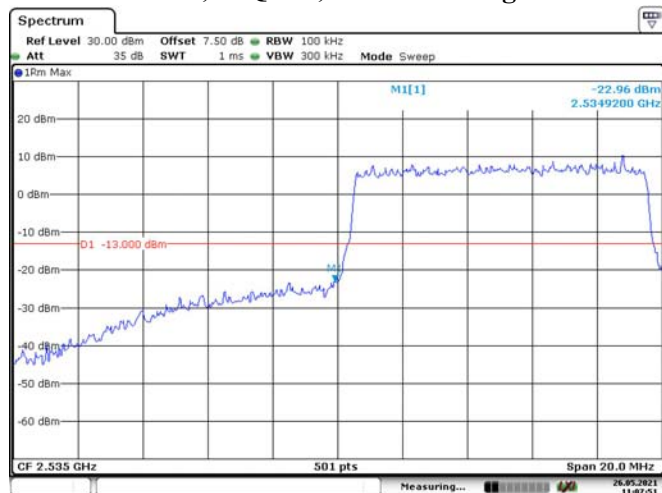
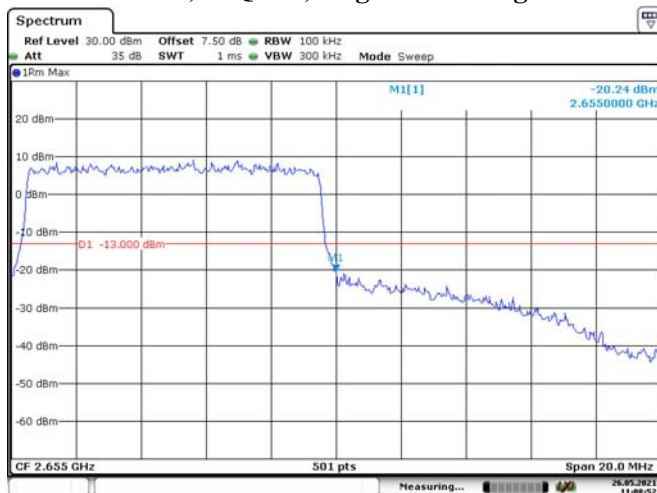


Date: 29.JUN.2021 23:33:18

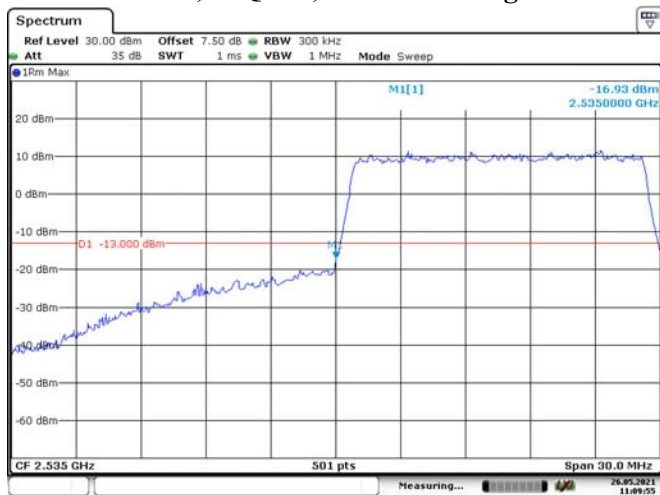
**LTE Band 40 Lower:
5M, QPSK, Left Band Edge****5M, QPSK, Right Band Edge****5M, 16QAM, Left Band Edge****5M, 16QAM, Right Band Edge****10M, QPSK****10M, 16QAM**

**LTE Band 40 Upper:
5M, QPSK, Left Band Edge****5M, QPSK, Right Band Edge****5M, 16QAM, Left Band Edge****5M, 16QAM, Right Band Edge****10M, QPSK****10M, 16QAM**

LTE Band 41:**5M, QPSK, Left Band Edge****5M, QPSK, Right Band Edge****10M, QPSK, Left Band Edge****10M, QPSK, Right Band Edge****15M, QPSK, Left Band Edge****15M, QPSK, Right Band Edge**

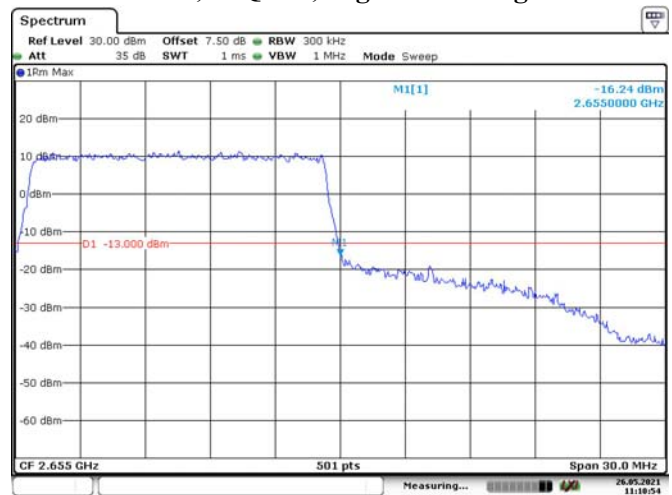
20M, QPSK, Left Band Edge**20M, QPSK, Right Band Edge****5M, 16QAM, Left Band Edge****5M, 16QAM, Right Band Edge****10M, 16QAM, Left Band Edge****10M, 16QAM, Right Band Edge**

15M, 16QAM, Left Band Edge



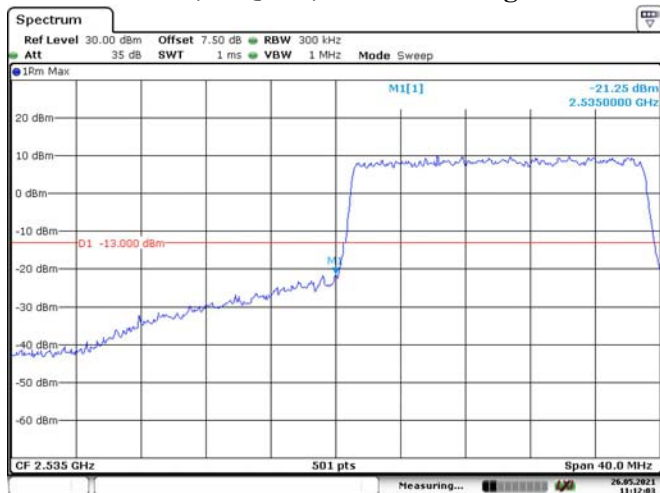
Date: 26.MAY.2021 11:09:55

15M, 16QAM, Right Band Edge



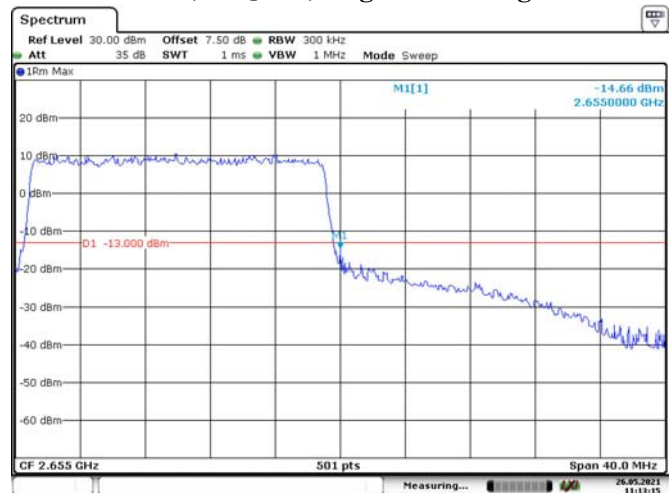
Date: 26.MAY.2021 11:10:55

20M, 16QAM, Left Band Edge



Date: 26.MAY.2021 11:12:03

20M, 16QAM, Right Band Edge



Date: 26.MAY.2021 11:13:15

FCC §2.1055, §22.355 & §24.235 & §27.54- FREQUENCY STABILITY

Applicable Standard

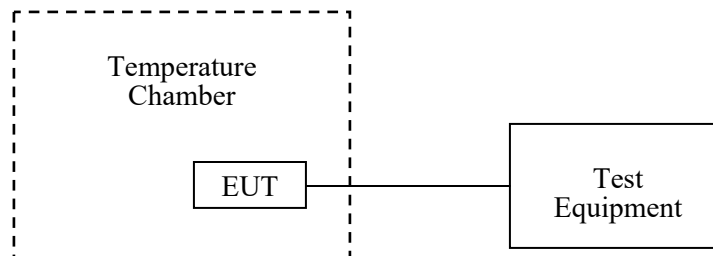
FCC § 2.1055 (a), § 2.1055 (d), §22.355, §24.235, §27.54

Test Procedure

Frequency Stability vs. Temperature: The equipment under test was connected to an external DC power supply and the RF output was connected to communication test set via feed-through attenuators. The EUT was placed inside the temperature chamber. The leads and RF output cable exited the chamber through an opening made for the purpose.

After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from the communication test set.

Frequency Stability vs. Voltage: An external variable DC power supply was connected to the battery terminals of the equipment under test. The voltage was set from 85% to 115% of the nominal value and was then decreased until the transmitter light no longer illuminated; i.e., the battery end point. The output frequency was recorded for each battery voltage.



Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSP 38	100478	2020-07-07	2021-07-07
R&S	Spectrum Analyzer	FSV40	101474	2020-07-07	2021-07-07
yzjingcheng	Coaxial Cable	KTRFBU-141-50	41010012	Each time	N/A
Unknown	Coaxial Cable	C-SJ00-0010	C0010/01	Each time	N/A
R&S	Wideband Radio Communication Tester	CMW500	147473	2020-09-23	2021-09-22
E-Microwave	Blocking Control	EMDCB-00036	0E01201047	Each time	N/A
Unknown	Attenuator	UNAT-3+	15529	Each time	N/A
R&S	Universal Radio Communication Tester	CMU200	106 891	2020-09-12	2021-09-12
ESPEC	Constant temperature and humidity Tester	ESX-4CA	018 463	2021-03-10	2022-03-09
UNI-T	Multimeter	UT39A	M130199938	2020-07-24	2021-07-24
Pro instrument	DC Power Supply	pps3300	3300012	N/A	N/A

* **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**

Temperature:	24.2~27.5 °C
Relative Humidity:	47~70 %
ATM Pressure:	100~100.8kPa
Tester:	Lay Lei
Test Date:	2021.05.22~2021-06-03

Test Result: Compliance.

GMSK, Middle Channel, $f_c = 836.6$ MHz				
Temperature	Voltage	Frequency Error	Frequency Error	Limit
°C	V _{DC}	Hz	ppm	ppm
-30	3.8	5	0.00598	2.5
-20		2	0.00239	
-10		8	0.00956	
0		-3	-0.00359	
10		9	0.01076	
20		-8	-0.00956	
30		5	0.00598	
40		2	0.00239	
50		1	0.00120	
20	3.6	9	0.01076	
20	4.3	-6	-0.00717	

GMSK, Middle Channel, $f_c = 1880$ MHz				
Temperature	Voltage	Frequency Error	Frequency Error	Result
°C	V _{DC}	Hz	ppm	
-30	3.8	17	0.00904	Pass
-20		16	0.00851	
-10		7	0.00372	
0		12	0.00638	
10		9	0.00479	
20		14	0.00745	
30		7	0.00372	
40		4	0.00213	
50		8	0.00426	
20	3.6	14	0.00745	
20	4.3	13	0.00691	

8PSK, Middle Channel, $f_c = 836.6\text{MHz}$				
Temperature	Voltage	Frequency Error	Frequency Error	Limit
$^{\circ}\text{C}$	V_{DC}	Hz	ppm	ppm
-30	3.8	11	0.01315	2.5
-20		12	0.01434	
-10		8	0.00956	
0		13	0.01554	
10		17	0.02032	
20		18	0.02152	
30		9	0.01076	
40		5	0.00598	
50		11	0.01315	
20	3.6	15	0.01793	
20	4.3	5	0.00598	

8PSK, Middle Channel, $f_c = 1880\text{ MHz}$				
Temperature	Voltage	Frequency Error	Frequency Error	Result
$^{\circ}\text{C}$	V_{DC}	Hz	ppm	
-30	3.8	14	0.00745	Pass
-20		7	0.00372	
-10		16	0.00851	
0		12	0.00638	
10		18	0.00957	
20		21	0.01117	
30		23	0.01223	
40		16	0.00851	
50		6	0.00319	
20	3.6	17	0.00904	
20	4.3	19	0.01011	

WCDMA Band II: R99

Middle Channel, $f_c = 1880.0$ MHz				
Temperature	Voltage	Frequency Error	Frequency Error	Result
°C	V _{DC}	Hz	ppm	
-30	3.8	5	0.00266	Pass
-20		-6	-0.00319	
-10		-11	-0.00585	
0		18	0.00957	
10		20	0.01064	
20		-22	-0.01170	
30		-18	-0.00957	
40		-21	-0.01117	
50		14	0.00745	
20	3.6	11	0.00585	
20	4.3	-10	-0.00532	

WCDMA Band V: R99

Middle Channel, $f_c = 836.6$ MHz				
Temperature	Voltage	Frequency Error	Frequency Error	Limit
°C	V _{DC}	Hz	ppm	ppm
-30	3.8	-15	-0.01793	2.5
-20		-12	-0.01434	
-10		-13	-0.01554	
0		-14	-0.01673	
10		-17	-0.02032	
20		-16	-0.01913	
30		-11	-0.01315	
40		-15	-0.01793	
50		-17	-0.02032	
20	3.6	-6	-0.00717	
20	4.3	-18	-0.02152	

LTE Band 2:

QPSK, Channel Bandwidth:20MHz Middle Channel, $f_c = 1880$ MHz				
Temperature	Voltage	Frequency Error	Frequency Error	Result
°C	V_{DC}	Hz	ppm	
-30	3.8	1.26	0.0007	Pass
-20		-8.61	-0.0046	
-10		5.27	0.0028	
0		9.31	0.0005	
10		8.28	0.0044	
20		7.09	0.0038	
30		-6.16	-0.0033	
40		5.12	0.0027	
50		9.24	0.0049	
20	3.6	-5.04	-0.0027	
20	4.3	-9.85	-0.0052	

16QAM, Channel Bandwidth:20MHz Middle Channel, $f_c = 1880$ MHz				
Temperature	Voltage	Frequency Error	Frequency Error	Result
°C	V_{DC}	Hz	ppm	
-30	3.8	1.23	0.0007	Pass
-20		-9.03	-0.0048	
-10		5.45	0.0029	
0		8.73	0.0046	
10		-7.02	-0.0037	
20		9.76	0.0052	
30		9.67	0.0051	
40		7.36	0.0039	
50		6.83	0.0036	
20	3.6	6.83	0.0036	
20	4.3	9.81	0.0052	

LTE Band 4

QPSK, Channel Bandwidth:10MHz					
Power Supplied	Temperature	F_L	Limit	F_H	Limit
Vdc	°C	MHz	MHz	MHz	MHz
3.8	-30	1710.528100	1710	1754.478500	1755
	-20	1710.524600		1754.472200	
	-10	1710.552860		1754.478300	
	0	1710.521500		1754.477000	
	10	1710.528800		1754.475200	
	20	1710.528900		1754.471100	
	30	1710.528800		1754.474000	
	40	1710.524000		1754.476200	
	50	1710.528300		1754.475100	
3.6	20	1710.522000		1754.477200	
4.3	20	1710.524700		1754.481000	

16-QAM, Channel Bandwidth:10MHz					
Power Supplied	Temperature	F_L	Limit	F_H	Limit
Vdc	°C	MHz	MHz	MHz	MHz
3.8	-30	1710.563100	1710	1754.516800	1755
	-20	1710.569000		1754.517000	
	-10	1710.563500		1754.514300	
	0	1710.567200		1754.515200	
	10	1710.558800		1754.511800	
	20	1710.568900		1754.511000	
	30	1710.566700		1754.514500	
	40	1710.564800		1754.512300	
	50	1710.562400		1754.517600	
3.6	20	1710.562700		1754.514000	
4.3	20	1710.567800		1754.518200	

LTE Band 5:

Middle Channel, $f_c = 836.5$ MHz, Channel Bandwidth:10MHz				
Temperature	Voltage	Frequency Error	Frequency Error	Limit
°C	V _{DC}	Hz	ppm	ppm
-30	3.8	-0.76	-0.0009	2.5
-20		-5.35	-0.0064	
-10		-5.32	-0.0064	
0		8.47	0.0101	
10		-7.66	-0.0092	
20		-6.36	-0.0076	
30		5.52	0.0066	
40		-5.68	-0.0068	
50		-9.02	-0.0108	
20	3.6	-7.36	-0.0088	
20	4.3	8.19	0.0098	

Middle Channel, $f_c = 836.5$ MHz, Channel Bandwidth:10MHz				
Temperature	Voltage	Frequency Error	Frequency Error	Limit
°C	V _{DC}	Hz	ppm	ppm
-30	3.8	1.30	0.0016	2.5
-20		-9.99	-0.0119	
-10		7.04	0.0084	
0		5.89	0.007	
10		-7.26	-0.0087	
20		-7.62	-0.0091	
30		-8.38	-0.01	
40		-6.81	-0.0081	
50		-7.22	-0.0086	
20	3.6	-5.03	-0.006	
20	4.3	-9.67	-0.0116	

LTE Band 7

QPSK, Channel Bandwidth:10MHz					
Power Supplied	Temperature	F_L	Limit	F_H	Limit
Vdc	°C	MHz	MHz	MHz	MHz
3.8	-30	2500.528500	2500	2569.518200	2570
	-20	2500.528100		2569.517500	
	-10	2500.525800		2569.517900	
	0	2500.521400		2569.518600	
	10	2500.525300		2569.512400	
	20	2500.528900		2569.511000	
	30	2500.528000		2569.514600	
	40	2500.527600		2569.512600	
	50	2500.526800		2569.517900	
3.6	20	2500.524600		2569.514800	
4.3	20	2500.527800		2569.512300	

16-QAM, Channel Bandwidth:10MHz					
Power Supplied	Temperature	F_L	Limit	F_H	Limit
Vdc	°C	MHz	MHz	MHz	MHz
3.8	-30	2500.527500	2500	2569.482400	2570
	-20	2500.526500		2569.480300	
	-10	2500.527600		2569.475600	
	0	2500.524500		2569.447030	
	10	2500.525800		2569.471000	
	20	2500.528900		2569.471100	
	30	2500.523600		2569.475800	
	40	2500.524600		2569.481200	
	50	2500.524700		2569.481700	
3.6	20	2500.524800		2569.485600	
4.3	20	2500.521800		2569.487900	

LTE Band 17:

QPSK, Channel Bandwidth:10MHz					
Power Supplied	Temperature	F_L	Limit	F_H	Limit
Vdc	°C	MHz	MHz	MHz	MHz
3.8	-30	704.521500	704	715.475500	716
	-20	704.527800		715.474200	
	-10	704.526800		715.474600	
	0	704.524100		715.475000	
	10	704.528500		715.475800	
	20	704.528900		715.471100	
	30	704.512200		715.465700	
	40	704.527600		715.470200	
	50	704.524600		715.482100	
3.6	20	704.527600		715.485200	
4.3	20	704.518300		715.484300	

16-QAM, Channel Bandwidth:10MHz					
Power Supplied	Temperature	F_L	Limit	F_H	Limit
Vdc	°C	MHz	MHz	MHz	MHz
3.8	-30	704.516500	704	715.474300	716
	-20	704.517900		715.474600	
	-10	704.516800		715.475100	
	0	704.516500		715.474600	
	10	704.528500		715.475000	
	20	704.528900		715.471100	
	30	704.520700		715.471200	
	40	704.516800		715.475400	
	50	704.519200		715.474600	
3.6	20	704.513640		715.475100	
4.3	20	704.514700		715.474900	

LTE Band 38

QPSK, Channel Bandwidth:10MHz					
Power Supplied	Temperature	F_L	Limit	F_H	Limit
Vdc	°C	MHz	MHz	MHz	MHz
3.8	-30	2570.526800	2570	2619.486400	2620
	-20	2570.527400		2619.483500	
	-10	2570.525800		2619.482200	
	0	2570.521300		2619.475600	
	10	2570.527500		2619.474500	
	20	2570.528900		2619.471100	
	30	2570.527600		2619.474500	
	40	2570.522800		2619.471600	
	50	2570.523600		2619.484300	
3.6	20	2570.527600		2619.482000	
4.3	20	2570.524600		2619.484900	

16-QAM, Channel Bandwidth:10MHz					
Power Supplied	Temperature	F_L	Limit	F_H	Limit
Vdc	°C	MHz	MHz	MHz	MHz
3.8	-30	2570.523400	2570	2619.478600	2620
	-20	2570.524800		2619.474100	
	-10	2570.527100		2619.475200	
	0	2570.521500		2619.472300	
	10	2570.520600		2619.474500	
	20	2570.528900		2619.471100	
	30	2570.527600		2619.474100	
	40	2570.524600		2619.474300	
	50	2570.525400		2619.477200	
3.6	20	2570.524600		2619.474100	
4.3	20	2570.527500		2619.470300	

LTE Band 40 Lower:

QPSK, Channel Bandwidth:10MHz					
Power Supplied	Temperature	F_L	Limit	F_H	Limit
Vdc	°C	MHz	MHz	MHz	MHz
3.8	-30	2305.521600	2305	2314.472100	2315
	-20	2305.522200		2314.473000	
	-10	2305.521300		2314.473400	
	0	2305.521300		2314.472900	
	10	2305.521800		2314.471700	
	20	2305.528900		2314.471100	
	30	2305.519800		2314.474200	
	40	2305.518900		2314.474200	
	50	2305.518100		2314.475400	
3.6	20	2305.519100		2314.474400	
4.3	20	2305.517900		2314.473200	

16-QAM, Channel Bandwidth:10MHz					
Power Supplied	Temperature	F_L	Limit	F_H	Limit
Vdc	°C	MHz	MHz	MHz	MHz
3.8	-30	2305.525400	2305	2314.474800	2315
	-20	2305.525700		2314.475100	
	-10	2305.526100		2314.476300	
	0	2305.525600		2314.477800	
	10	2305.526200		2314.476600	
	20	2305.528900		2314.471100	
	30	2305.520000		2314.475700	
	40	2305.529400		2314.476300	
	50	2305.520600		2314.475000	
3.6	20	2305.520100		2314.475000	
4.3	20	2305.529500		2314.475000	

LTE Band 40 Upper:

QPSK, Channel Bandwidth:10MHz					
Power Supplied	Temperature	F_L	Limit	F_H	Limit
Vdc	°C	MHz	MHz	MHz	MHz
3.8	-30	2350.519800	2350	2359.511800	2360
	-20	2350.518900		2359.512700	
	-10	2350.519700		2359.511500	
	0	2350.511200		2359.512500	
	10	2350.521200		2359.511300	
	20	2350.528900		2359.511000	
	30	2350.520400		2359.515400	
	40	2350.511000		2359.516000	
	50	2350.510600		2359.515200	
3.6	20	2350.511600	2350	2359.515700	2360
4.3	20	2350.513400		2359.515100	

16-QAM, Channel Bandwidth:10MHz					
Power Supplied	Temperature	F_L	Limit	F_H	Limit
Vdc	°C	MHz	MHz	MHz	MHz
3.8	-30	2350.525100	2350	2359.518800	2360
	-20	2350.524200		2359.518800	
	-10	2350.523000		2359.519600	
	0	2350.523000		2359.510600	
	10	2350.524200		2359.511800	
	20	2350.528900		2359.511000	
	30	2350.525700		2359.511200	
	40	2350.524800		2359.516200	
	50	2350.524000		2359.512400	
3.6	20	2350.524500	2350	2359.512300	2360
4.3	20	2350.523900		2359.517600	

LTE Band 41:

QPSK, Channel Bandwidth:10MHz					
Power Supplied	Temperature	F_L	Limit	F_H	Limit
Vdc	°C	MHz	MHz	MHz	MHz
3.8	-30	2535.528800	2535	2654.473600	2655
	-20	2535.528600		2654.472400	
	-10	2535.520100		2654.477500	
	0	2535.521400		2654.474600	
	10	2535.522500		2654.472500	
	20	2535.528900		2654.471100	
	30	2535.525400		2654.478900	
	40	2535.527500		2654.472300	
	50	2535.521300		2654.470800	
3.6	20	2535.525200	2535	2654.474600	2655
4.3	20	2535.521000		2654.473400	

16-QAM, Channel Bandwidth:10MHz					
Power Supplied	Temperature	F_L	Limit	F_H	Limit
Vdc	°C	MHz	MHz	MHz	MHz
3.8	-30	2535.523700	2535	2654.477900	2655
	-20	2535.524600		2654.478500	
	-10	2535.520800		2654.474600	
	0	2535.520100		2654.478700	
	10	2535.521200		2654.470300	
	20	2535.528900		2654.471100	
	30	2535.527200		2654.473200	
	40	2535.521600		2654.472000	
	50	2535.522800		2654.474100	
3.6	20	2535.527600	2535	2654.475800	2655
4.3	20	2535.522300		2654.479600	

Note: The fundamental emissions stay within the authorized bands of operation based on the frequency deviation measured is small, the extreme voltage was declared by applicant.

******* END OF REPORT *******