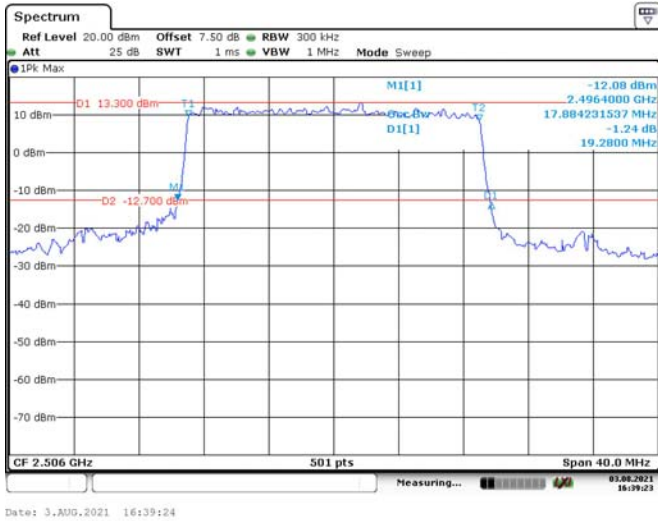
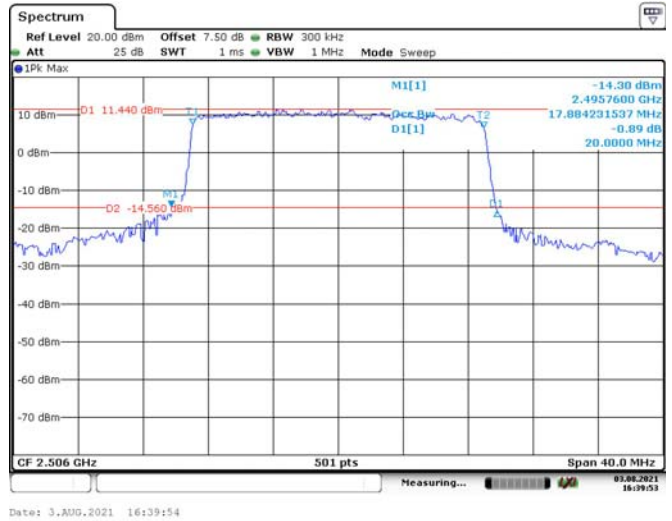


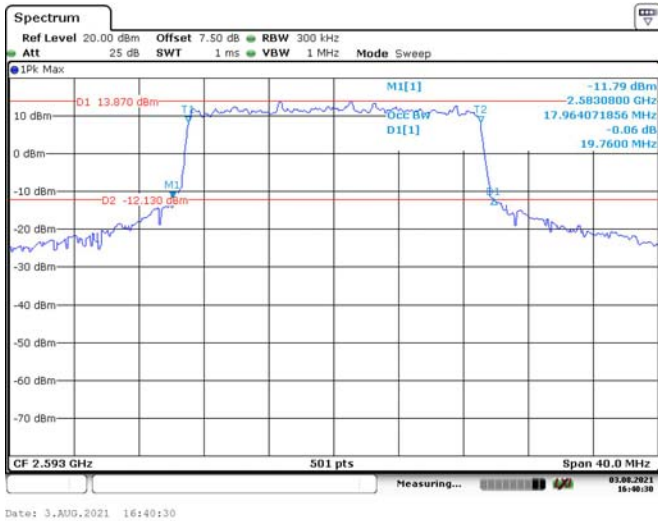
20M, QPSK, Low Channel



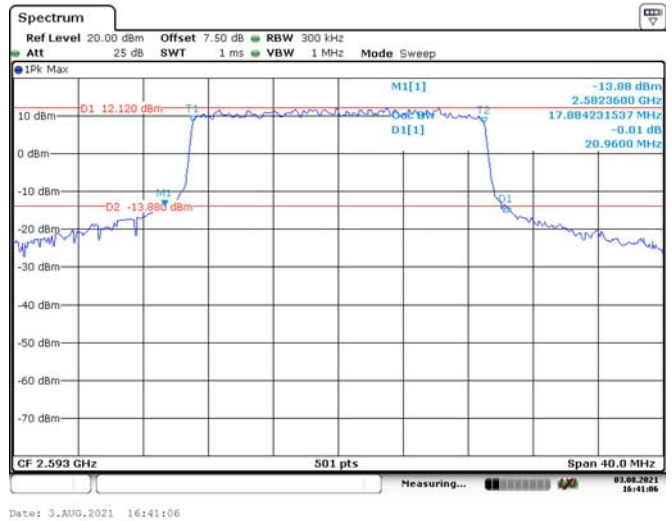
20M, 16QAM, Low Channel



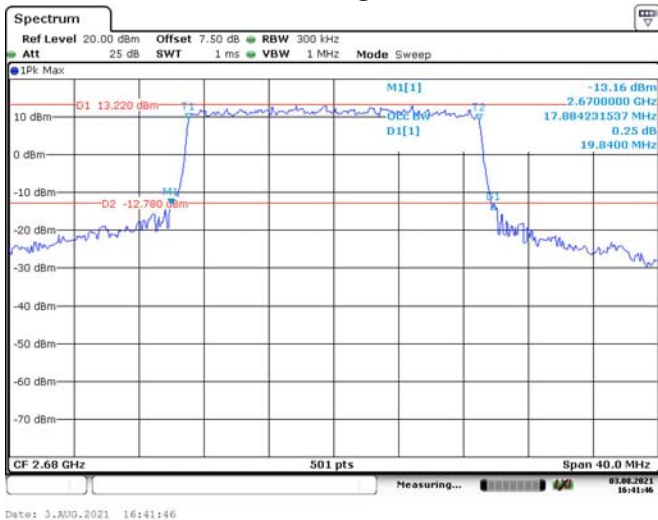
20M, QPSK, Middle Channel



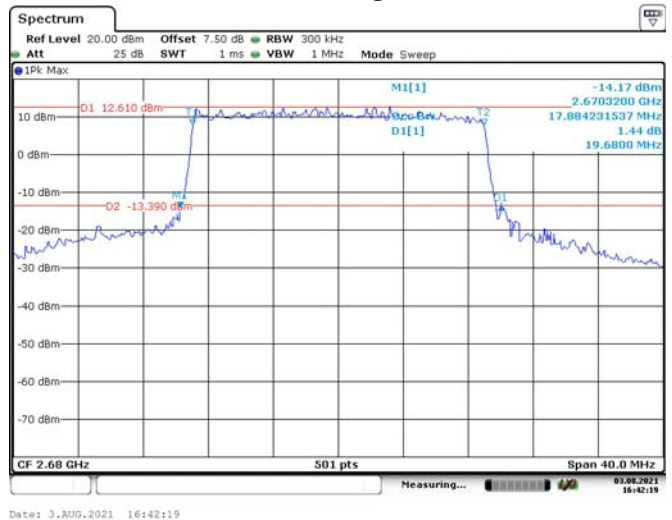
20M, 16QAM, Middle Channel



20M, QPSK, High Channel



20M, 16QAM, High Channel



FCC §2.1051, §22.917(a) & §24.238(a) & §27.53, §90.691 - SPURIOUS EMISSIONS AT ANTENNA TERMINALS

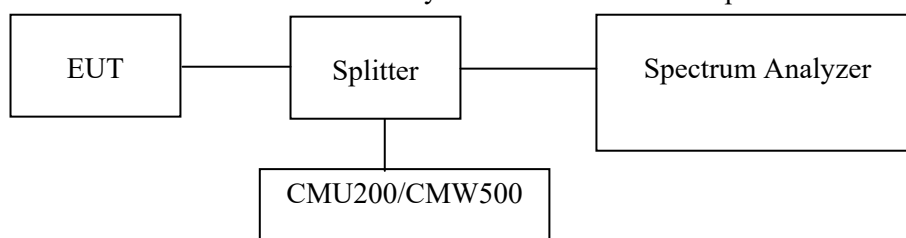
Applicable Standard

FCC §2.1051, §22.917(a), §24.238(a), §27.53, and §90.691.

The spectrum was to be investigated to the tenth harmonics of the highest fundamental frequency as specified in § 2.1051.

Test Procedure

The RF output of the transceiver was connected to a spectrum analyzer and simulator through appropriate attenuation. Sufficient scans were taken to show any out of band emissions up to 10th harmonic.



Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSP 38	100478	2021-07-07	2022-07-07
R&S	Spectrum Analyzer	FSV40	101474	2021-01-09	2022-01-09
yzjingcheng	Coaxial Cable	KTRFBU-141-50	41010012	Each time	N/A
Unknown	Coaxial Cable	C-SJ00-0010	C0010/01	Each time	N/A
E-Microwave	Blocking Control	EMDCB-00036	0E01201047	Each time	N/A
Unknown	Attenuator	UNAT-3+	15529	Each time	N/A
E-Microwave	Two-way Splitter	ODP-1-6-2S	OE0120142	Each Time	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).

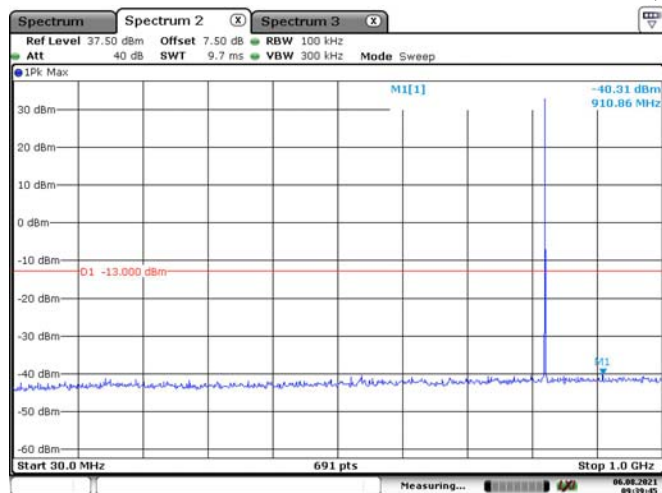
Test Data

Environmental Conditions

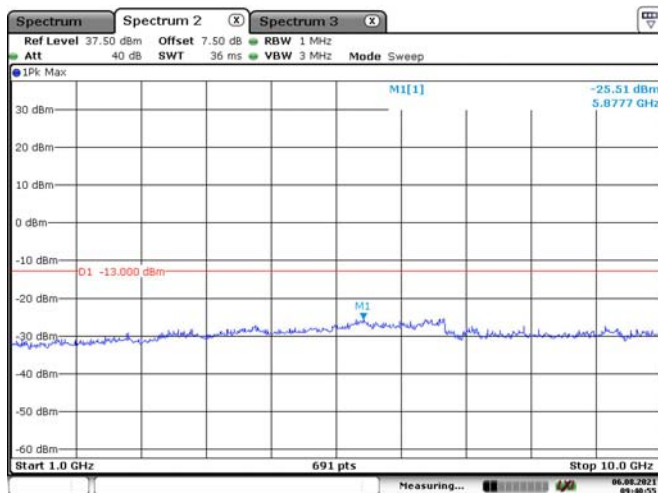
Temperature:	26.7~29.8 °C
Relative Humidity:	46~62 %
ATM Pressure:	99.3~100.7 kPa
Tester:	Lay Lei
Test Date:	2021-08-03~2021-08-20

Test Result: Compliance. Please refer to the following plots.

GPRS 850, Low Channel

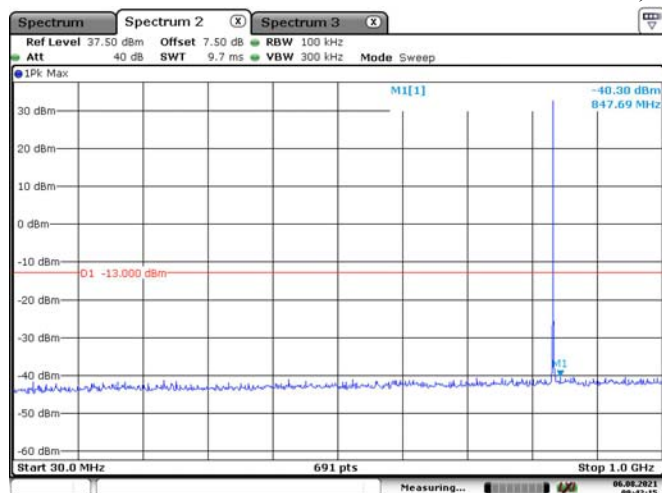


Date: 6.AUG.2021 09:39:45

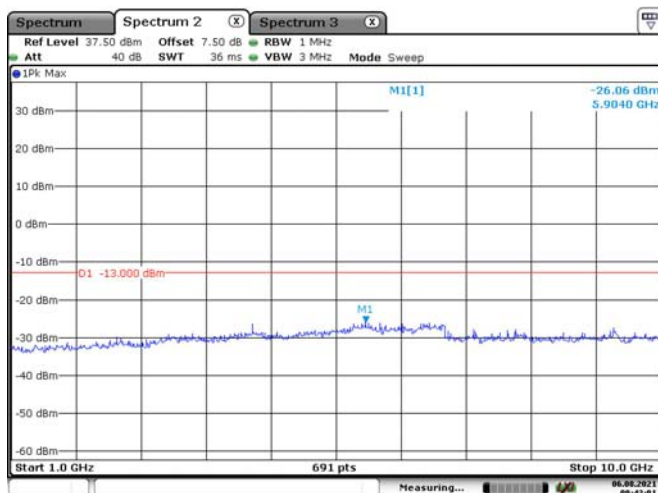


Date: 6.AUG.2021 09:40:54

GPRS 850, Middle Channel

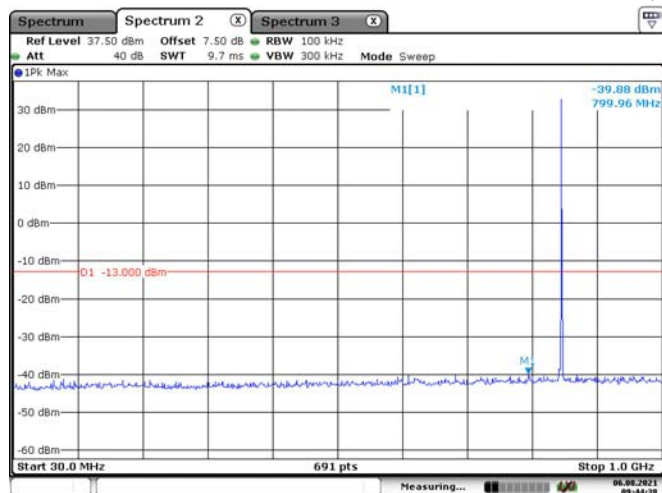


Date: 6.AUG.2021 09:42:14

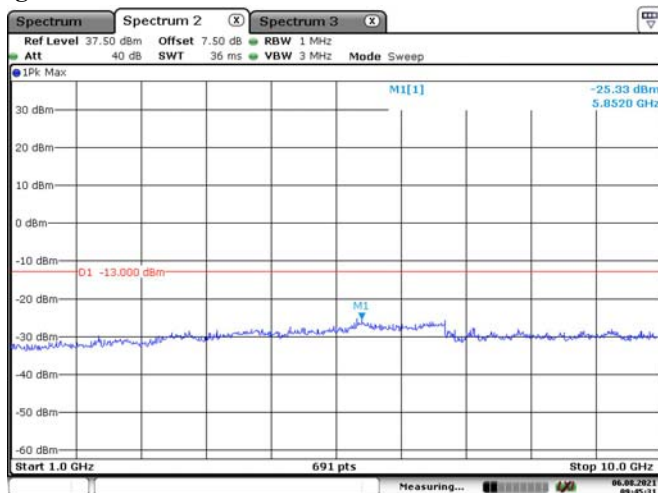


Date: 6.AUG.2021 09:43:01

GPRS 850, High Channel

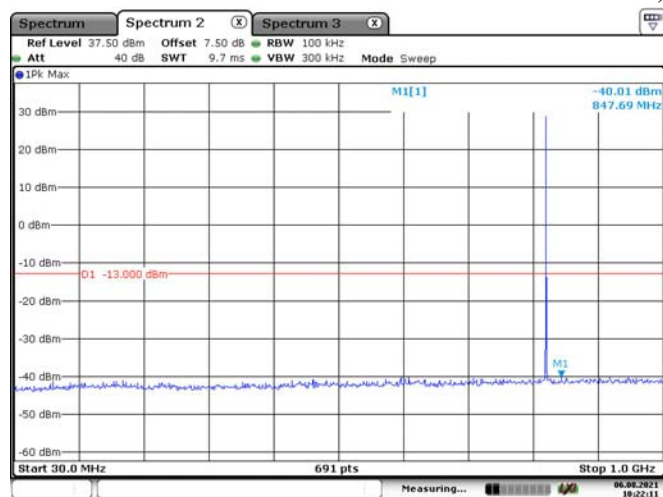


Date: 6.AUG.2021 09:44:38

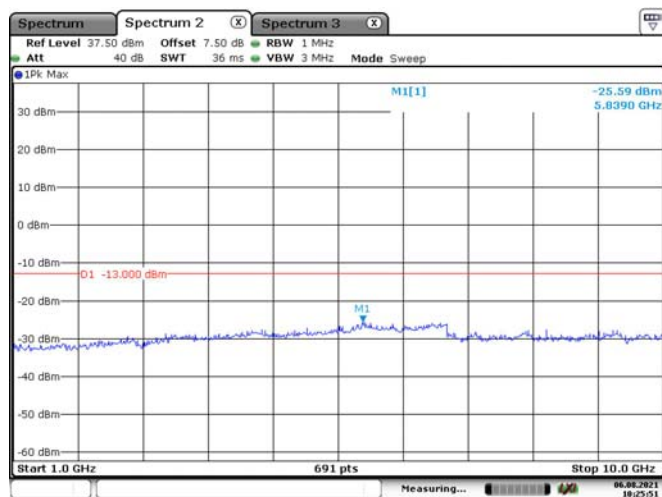


Date: 6.AUG.2021 09:45:31

EDGE 850, Low Channel

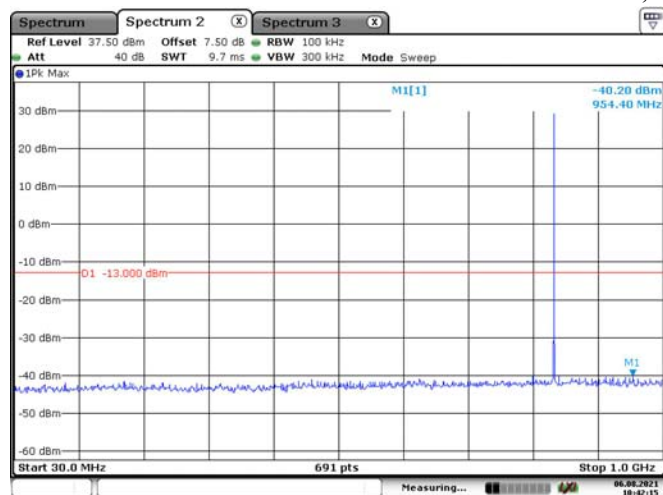


Date: 6.AUG.2021 10:22:12

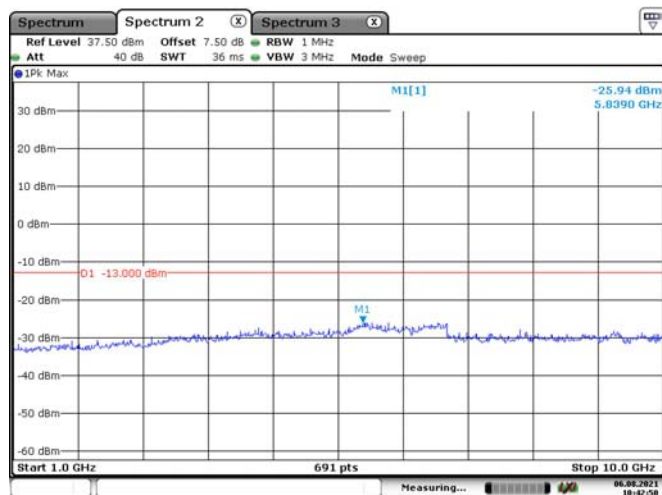


Date: 6.AUG.2021 10:25:51

EDGE 850, Middle Channel

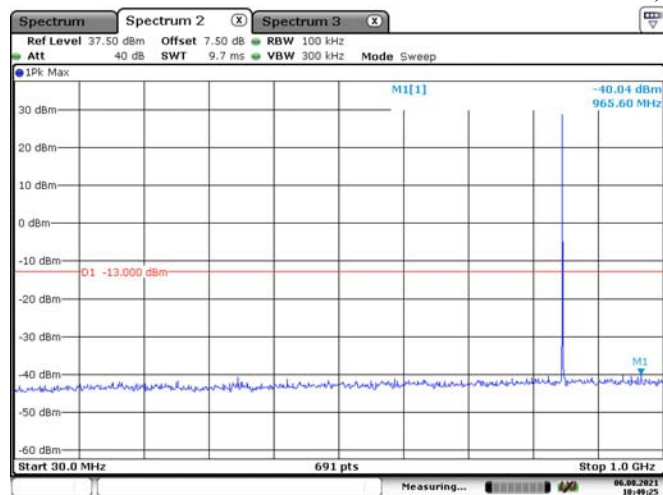


Date: 6.AUG.2021 10:42:16

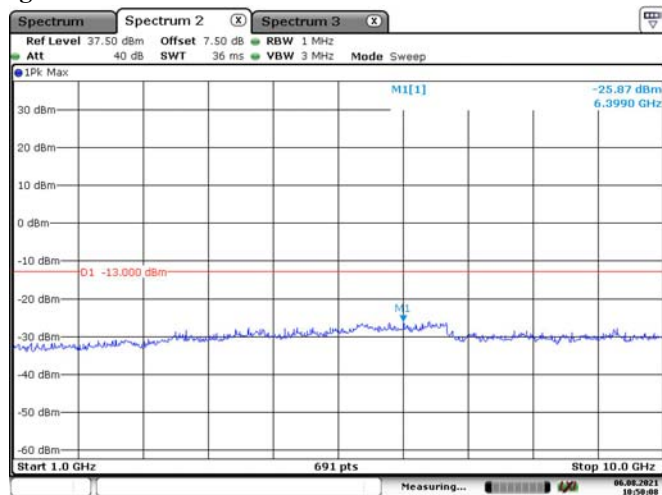


Date: 6.AUG.2021 10:42:50

EDGE 850, High Channel

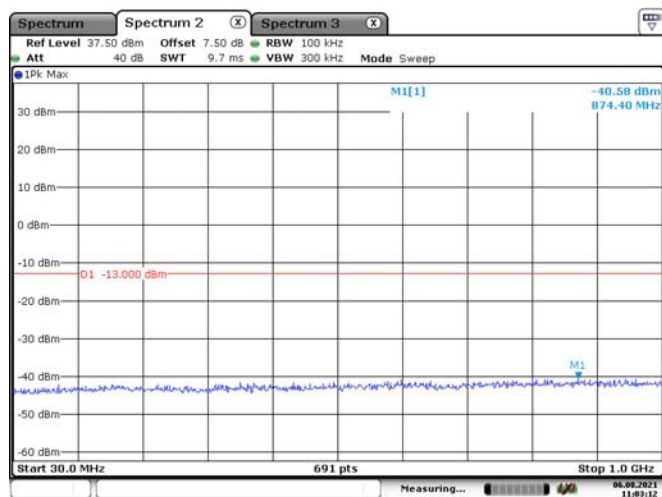


Date: 6.AUG.2021 10:49:25

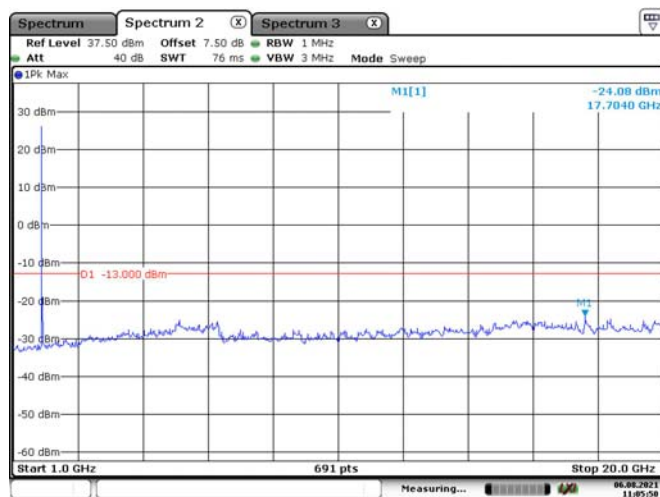


Date: 6.AUG.2021 10:50:09

GPRS 1900, Low Channel

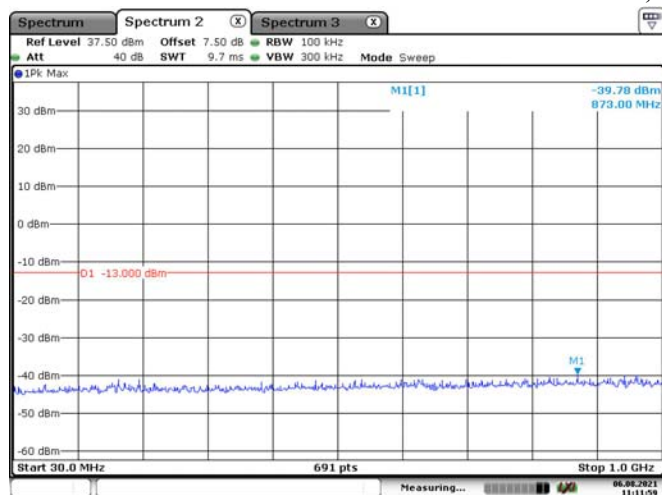


Date: 6.AUG.2021 11:03:12

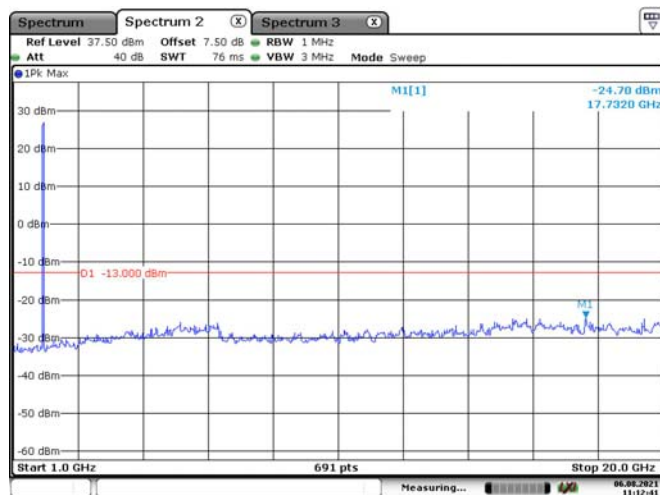


Date: 6.AUG.2021 11:05:50

GPRS 1900, Middle Channel

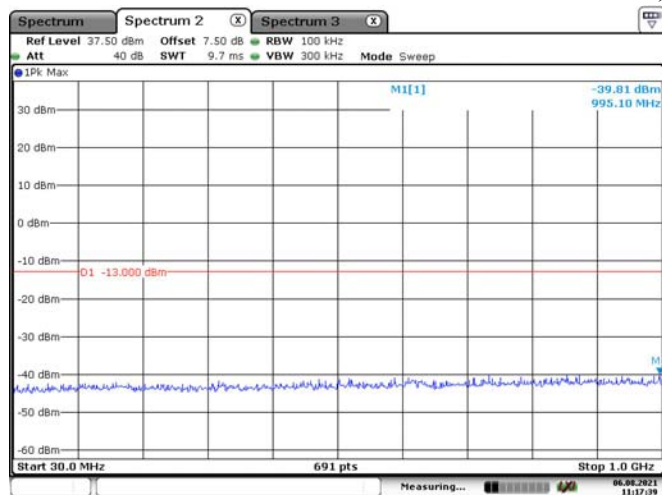


Date: 6.AUG.2021 11:11:59

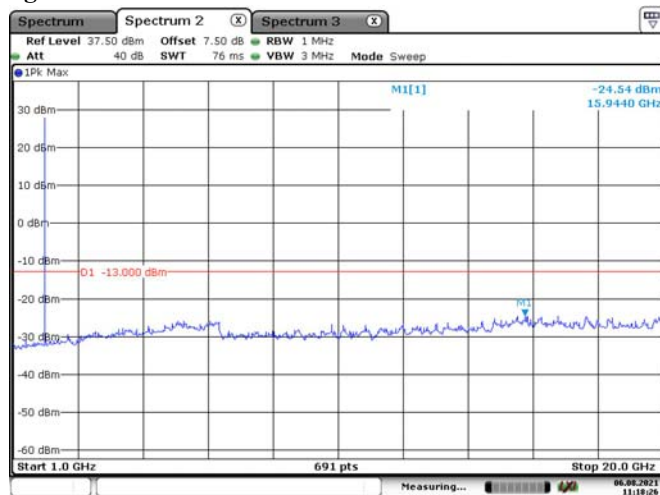


Date: 6.AUG.2021 11:12:41

GPRS 1900, High Channel

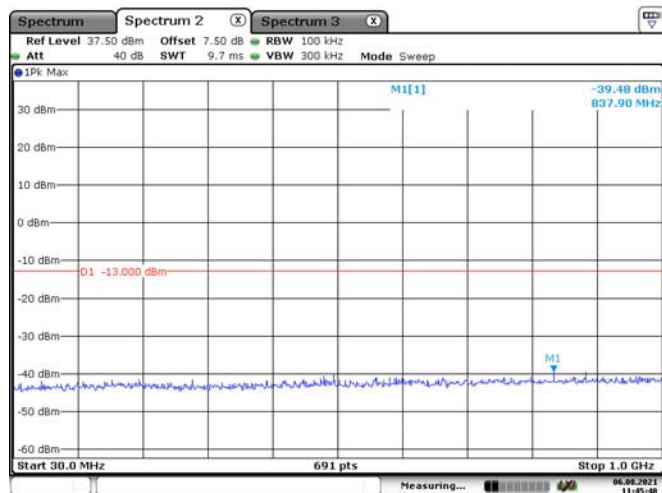


Date: 6.AUG.2021 11:17:39

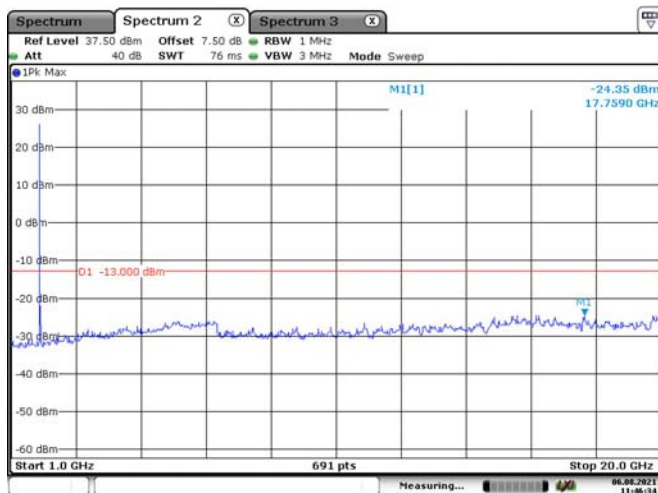


Date: 6.AUG.2021 11:18:26

EDGE 1900, Low Channel

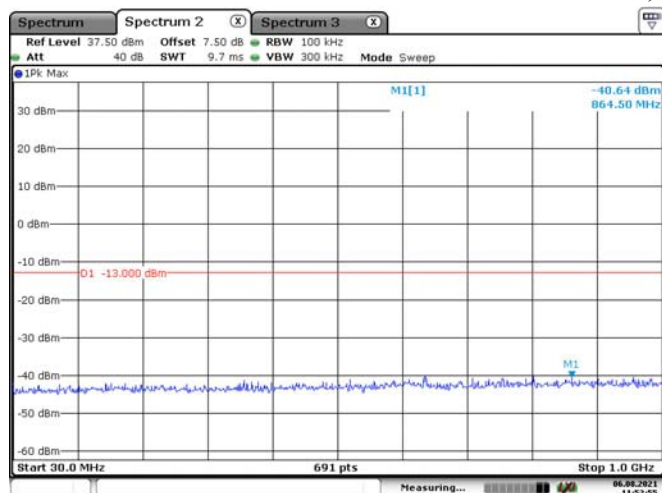


Date: 6.AUG.2021 11:45:49

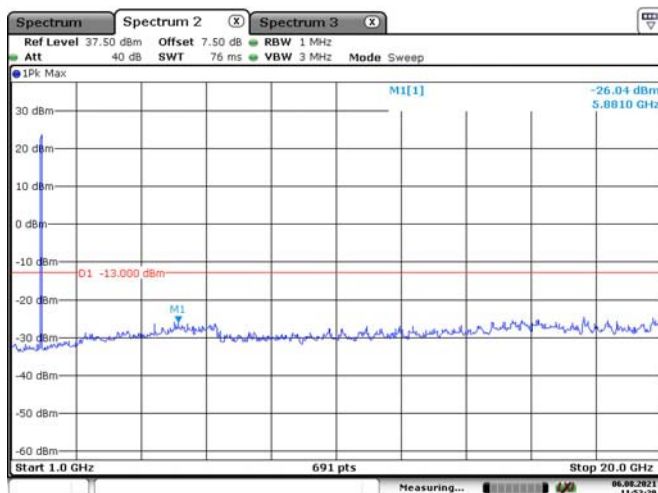


Date: 6.AUG.2021 11:46:34

EDGE 1900, Middle Channel

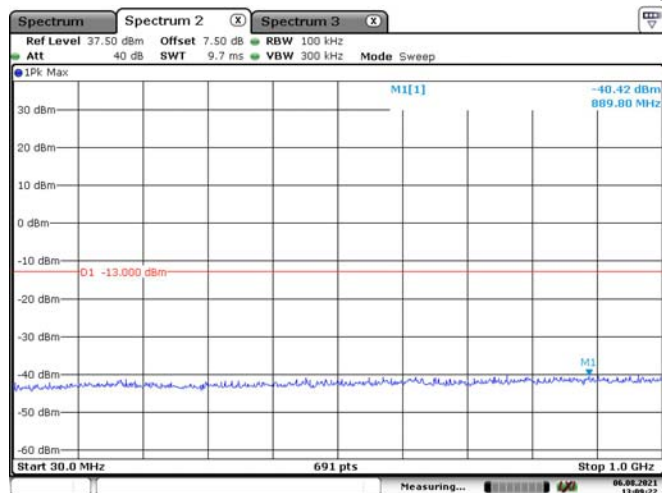


Date: 6.AUG.2021 11:52:55

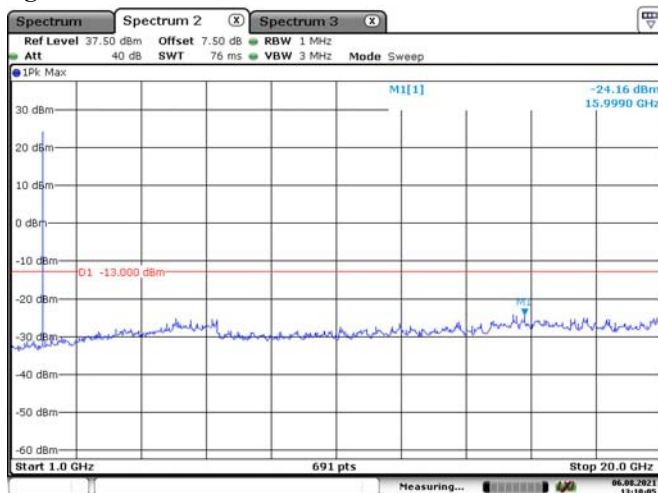


Date: 6.AUG.2021 11:53:29

EDGE 1900, High Channel

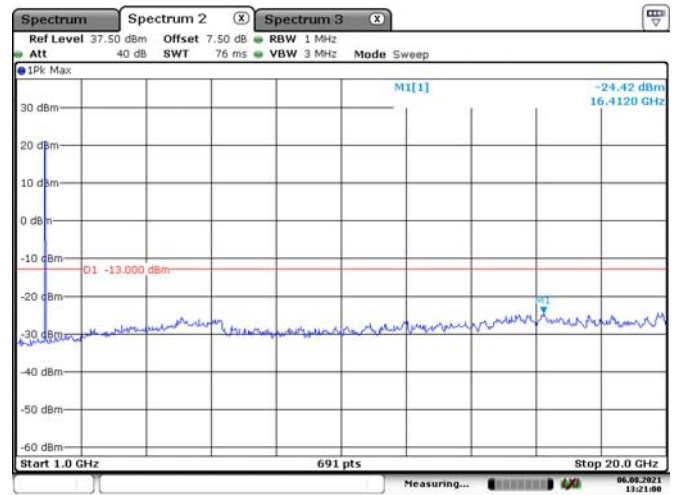
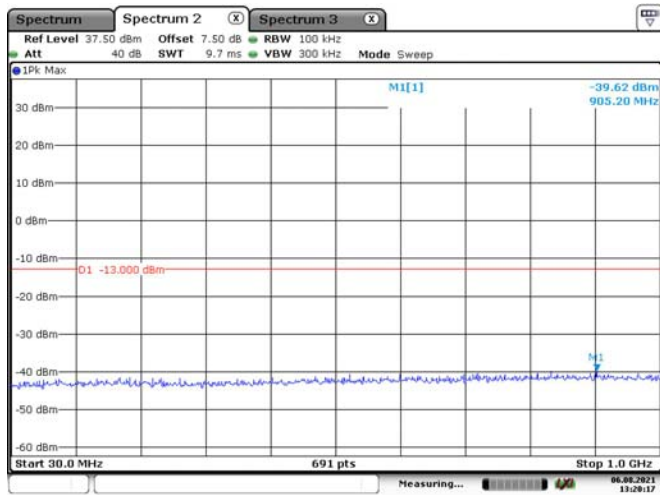


Date: 6.AUG.2021 13:09:22

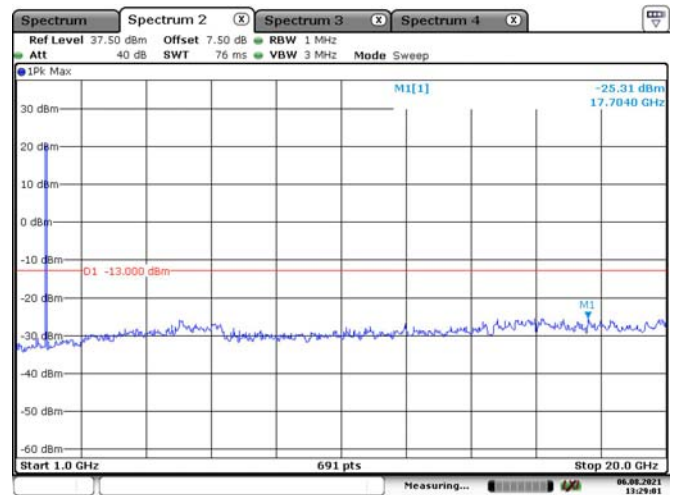
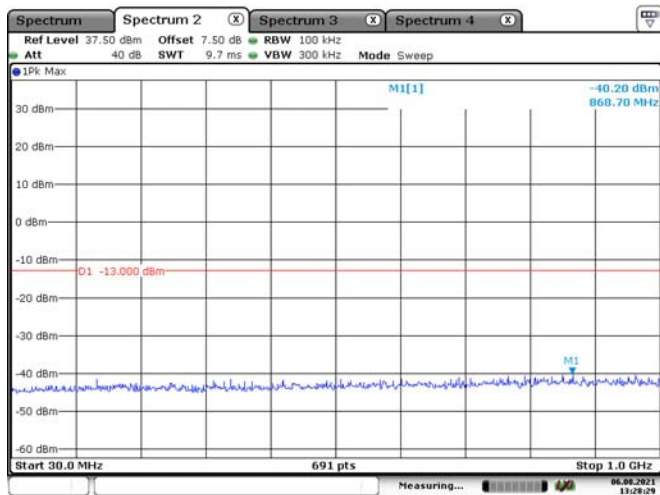


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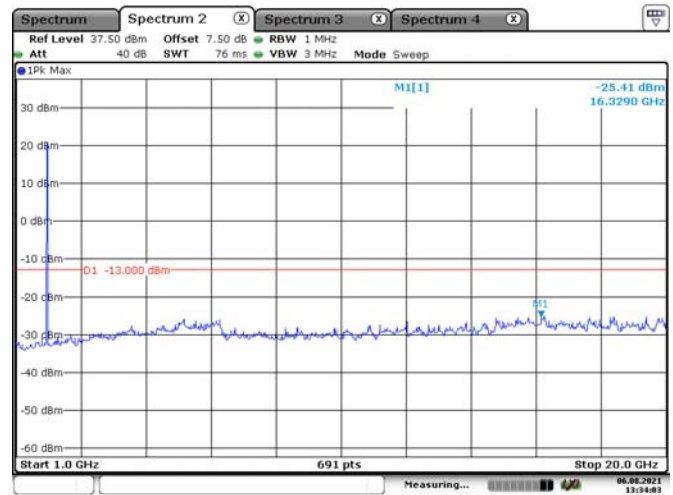
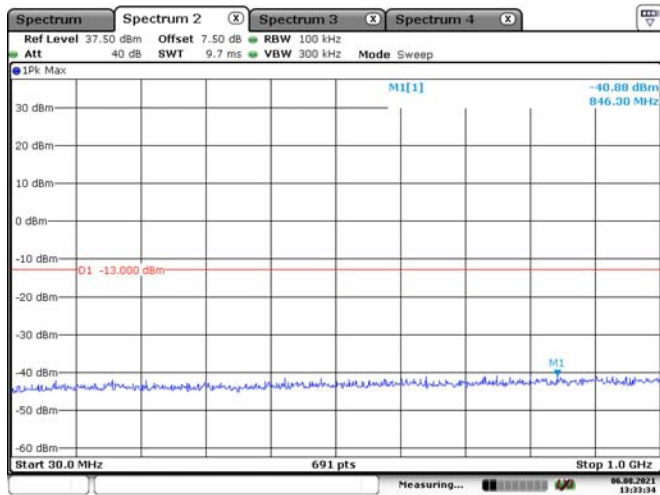
WCDMA Band II, R99, Low Channel



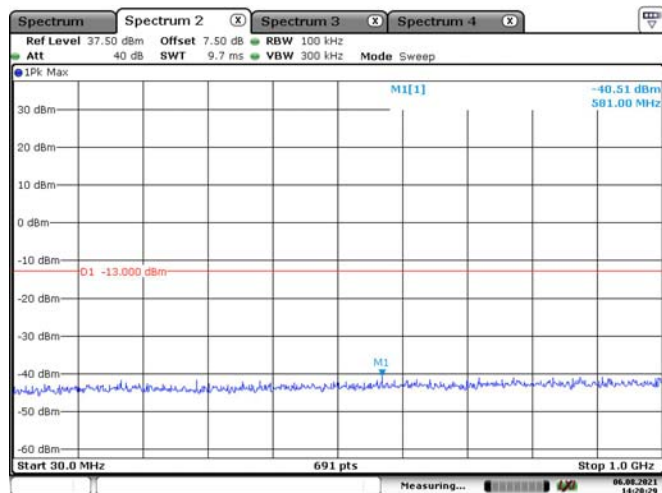
WCDMA Band II, R99, Middle Channel



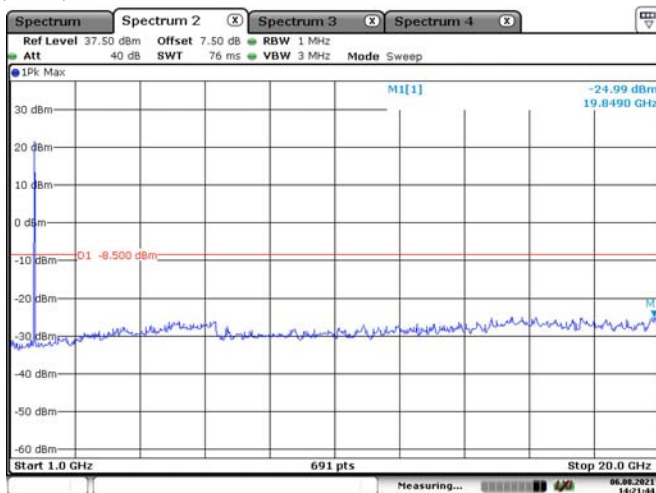
WCDMA Band II, R99, High Channel



WCDMA Band IV, R99, Low Channel

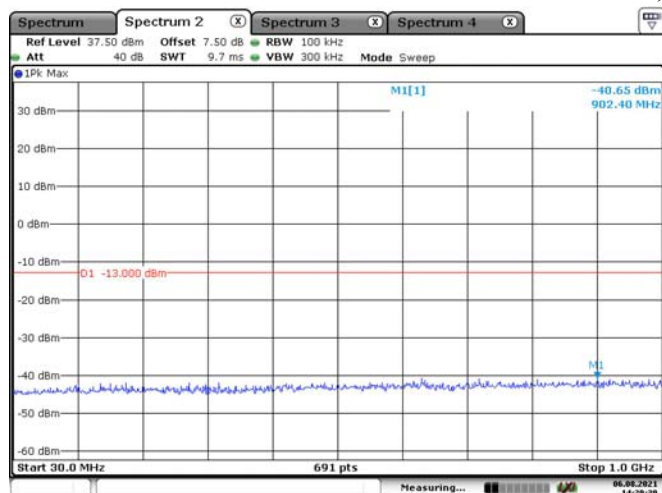


Date: 6.AUG.2021 14:20:30

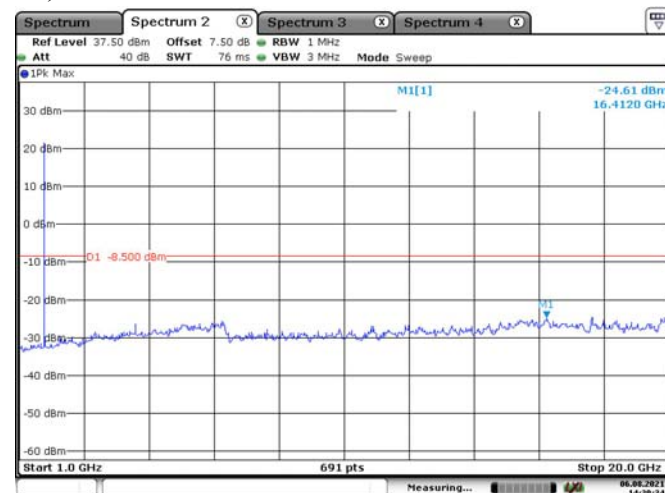


Date: 6.AUG.2021 14:21:45

WCDMA Band IV, R99, Middle Channel

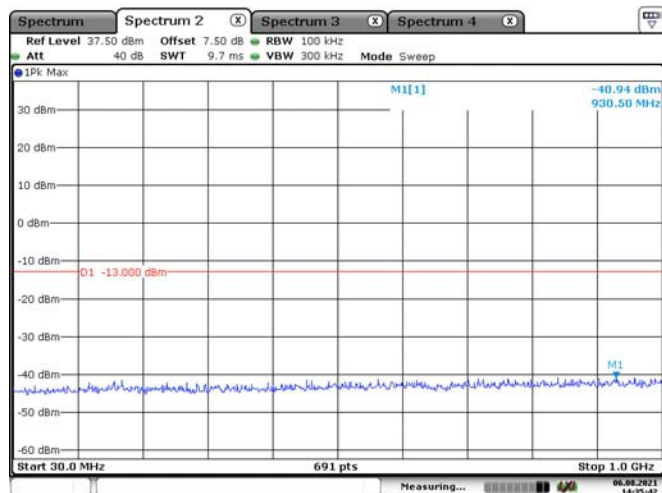


Date: 6.AUG.2021 14:29:40

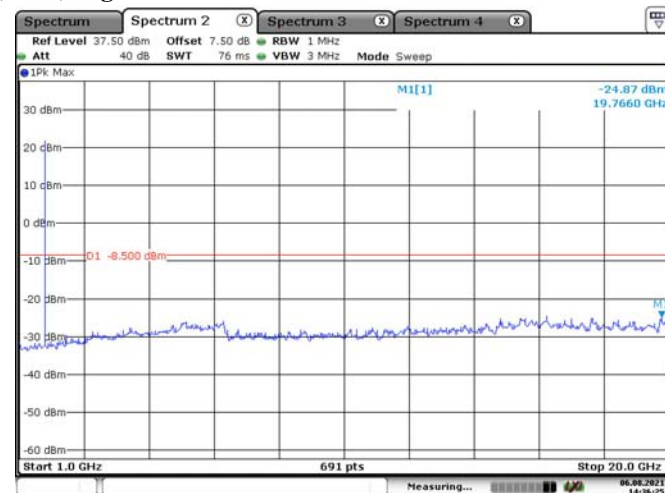


Date: 6.AUG.2021 14:30:35

WCDMA Band IV, R99, High Channel

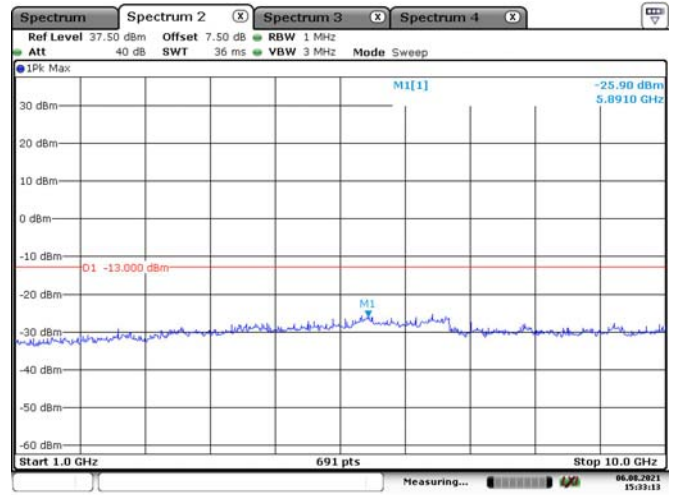
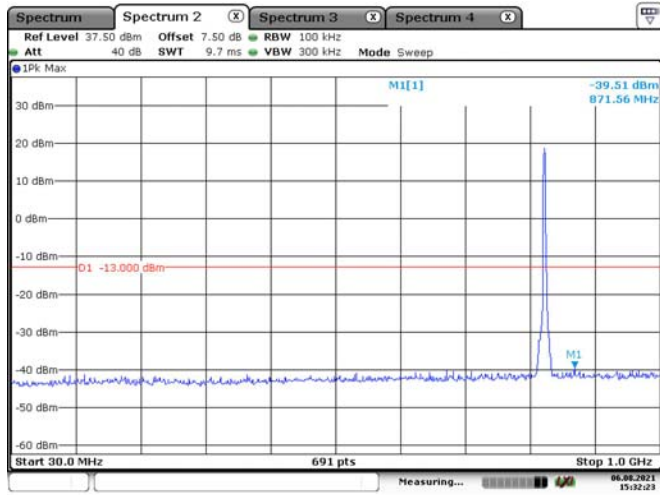


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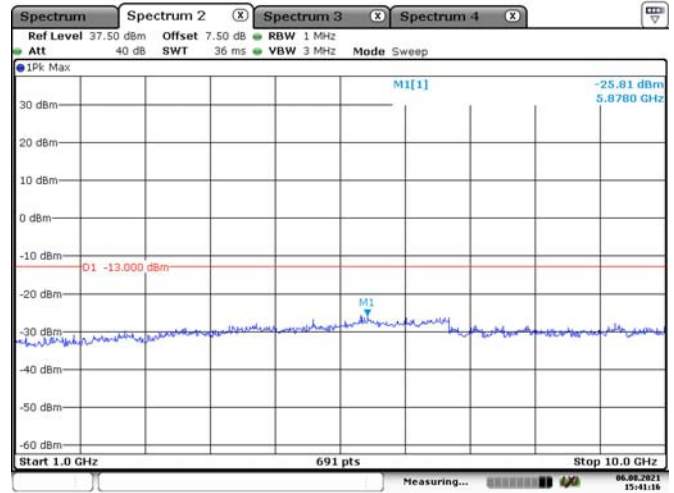
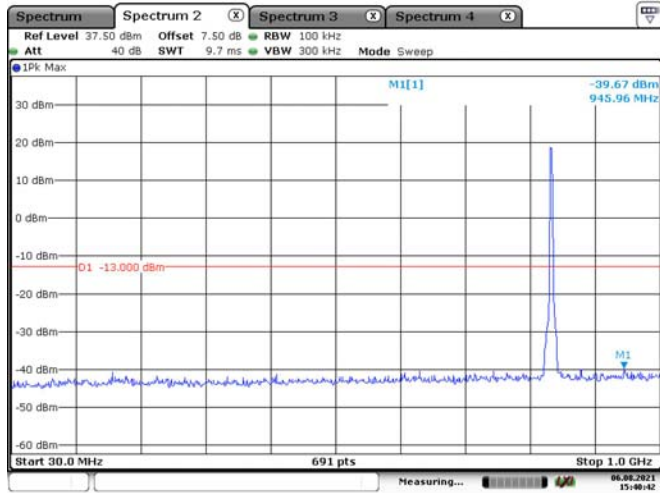


Date: 6.AUG.2021 14:36:26

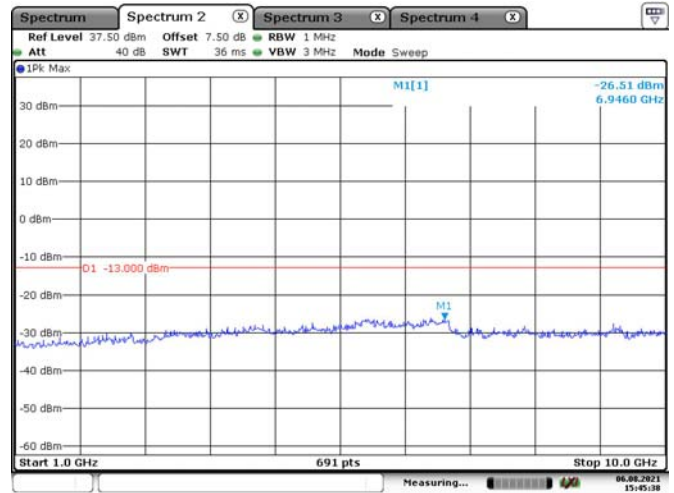
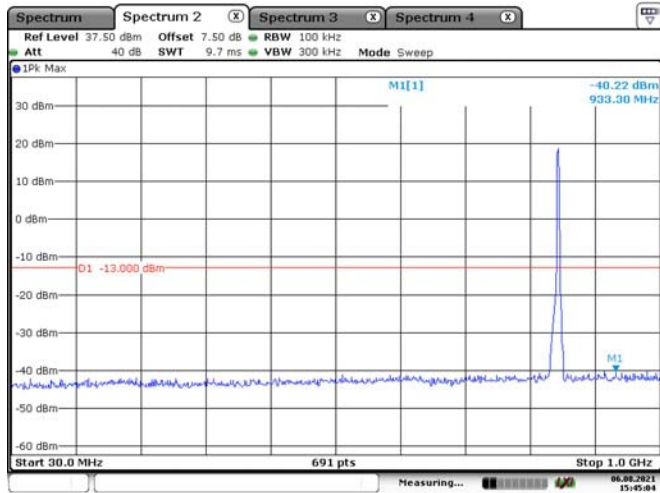
WCDMA Band V, R99, Low Channel

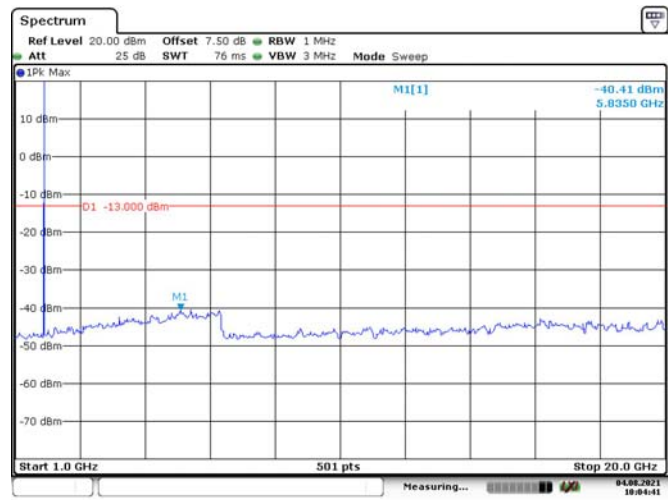
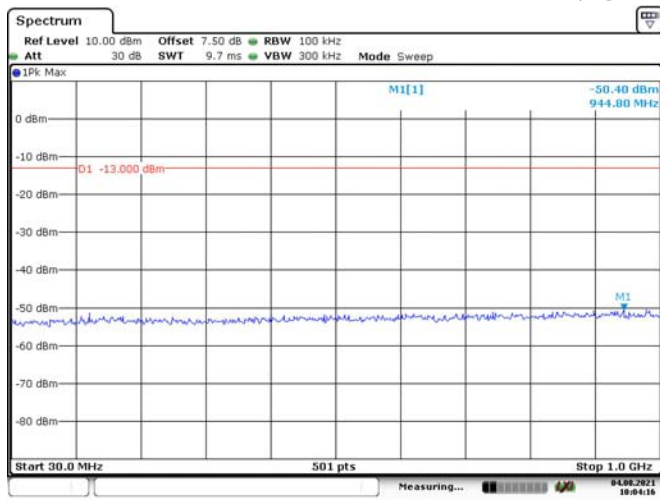
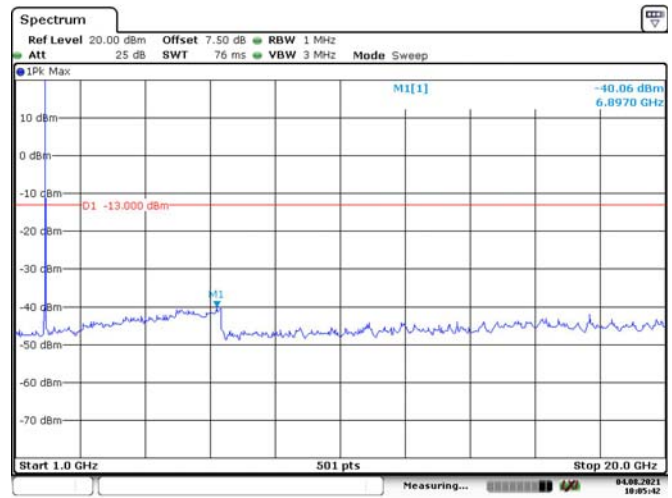
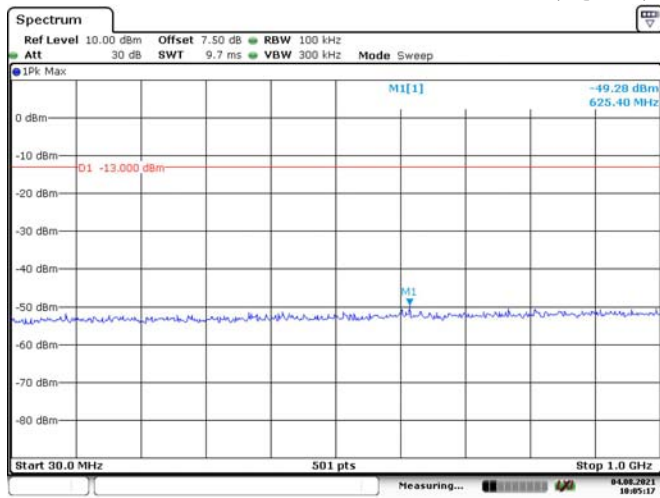
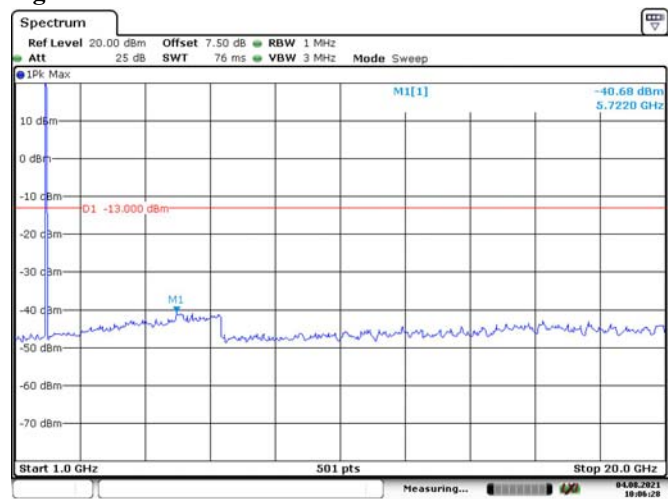
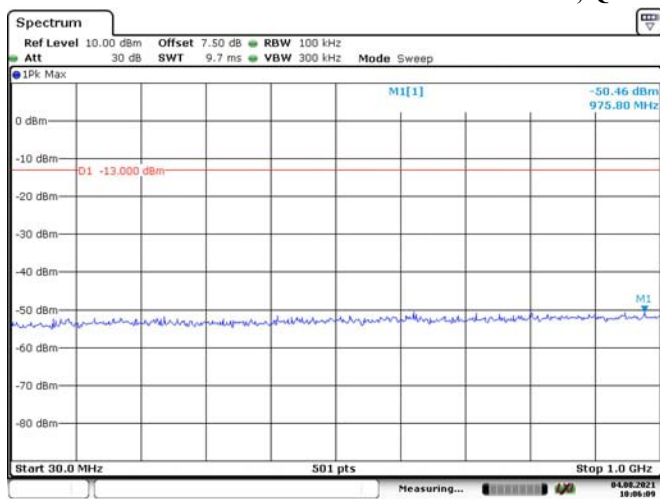


WCDMA Band V, R99, Middle Channel

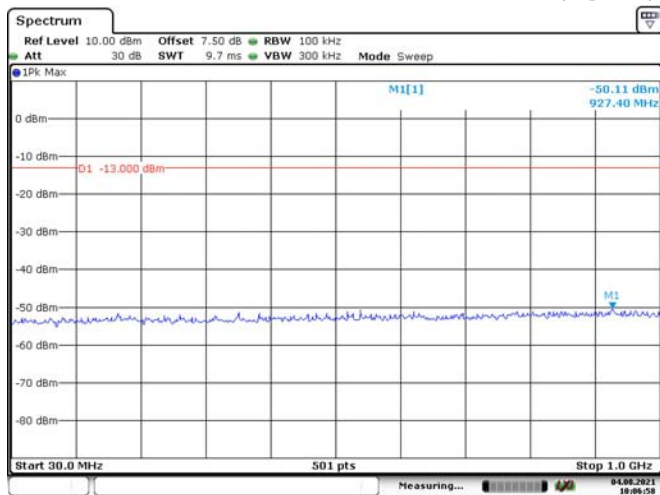


WCDMA Band V, R99, High Channel

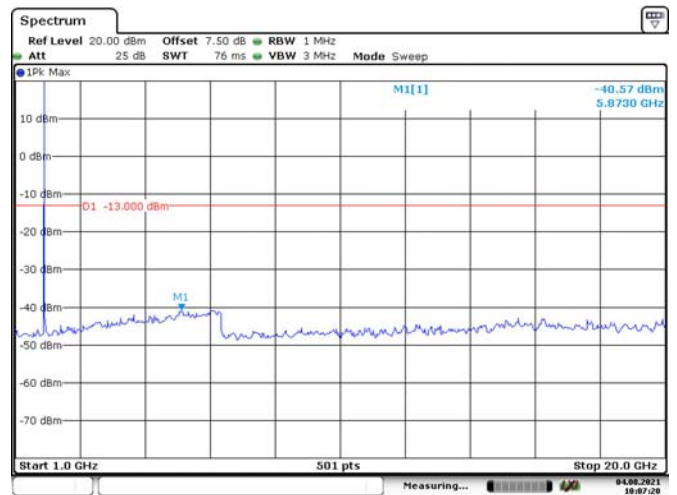


LTE Band 2:**1.4M, QPSK, Low Channel****1.4M, QPSK, Middle Channel****1.4M, QPSK, High Channel**

3M, QPSK, Low Channel

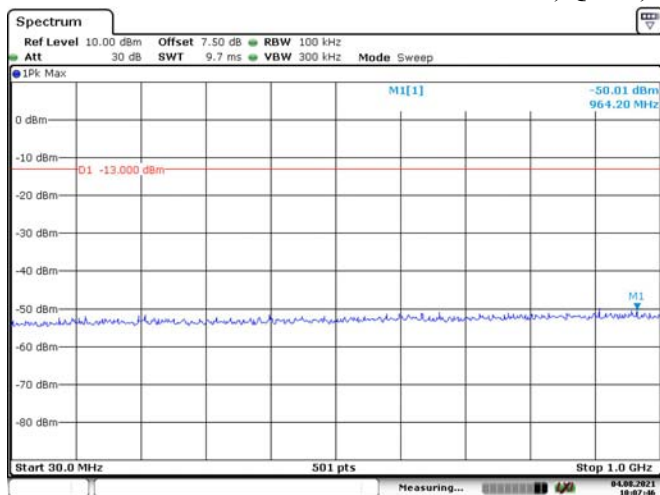


Date: 4.AUG.2021 10:06:59

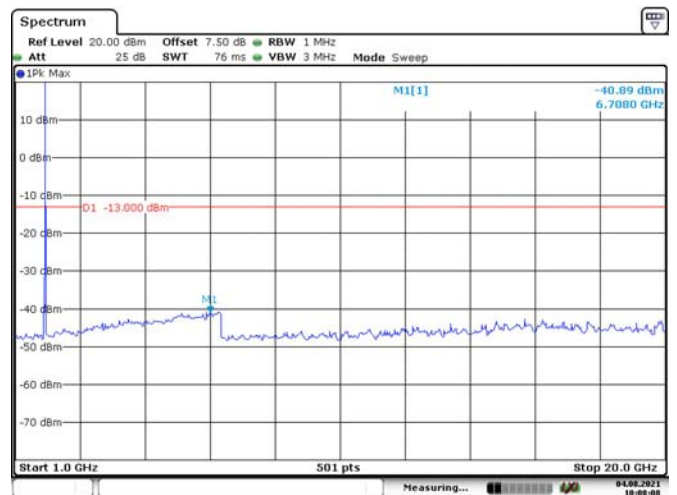


Date: 4.AUG.2021 10:07:21

3M, QPSK, Middle Channel

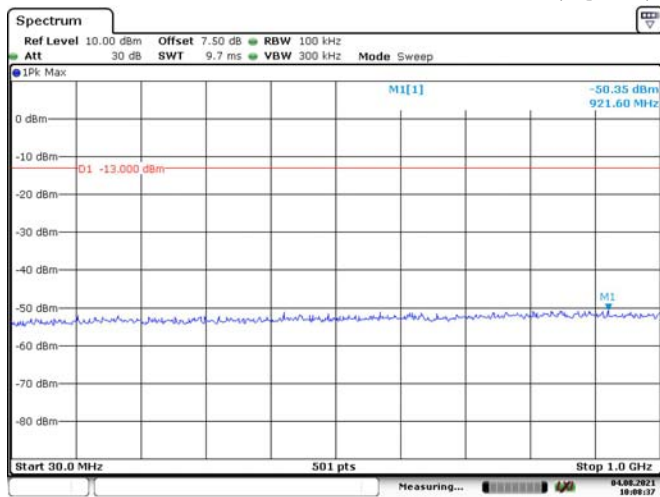


Date: 4.AUG.2021 10:07:47

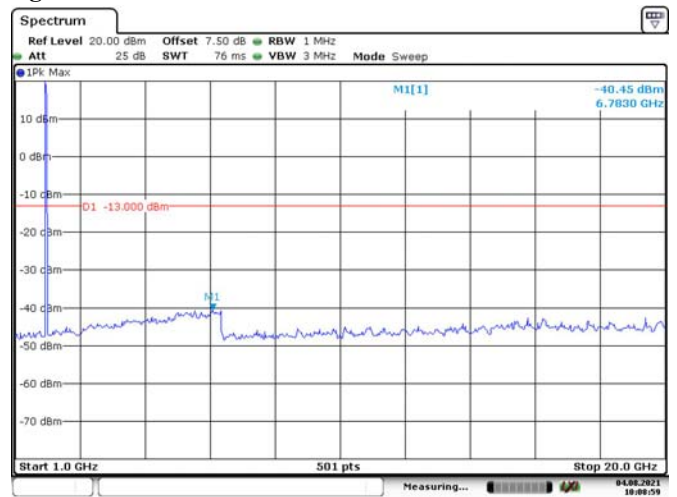


Date: 4.AUG.2021 10:08:09

3M, QPSK, High Channel

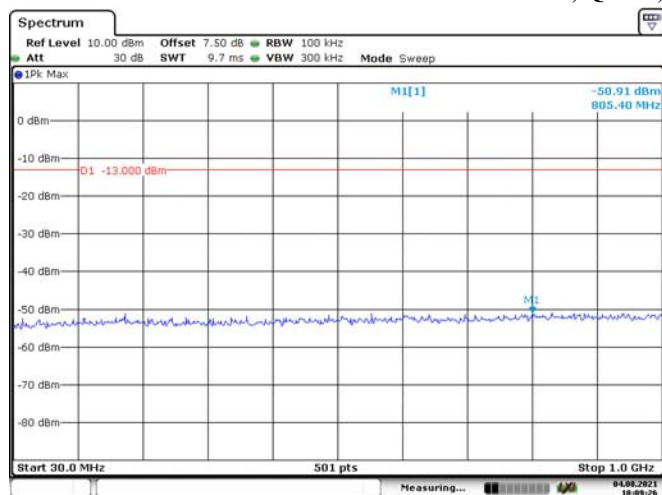


Date: 4.AUG.2021 10:08:38

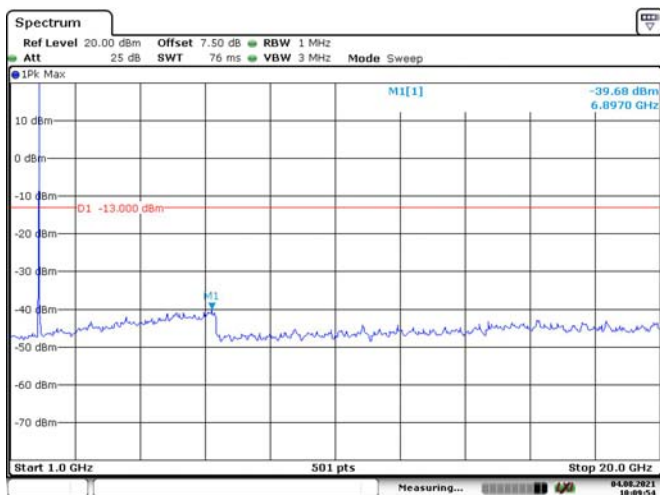


Date: 4.AUG.2021 10:09:00

5M, QPSK, Low Channel

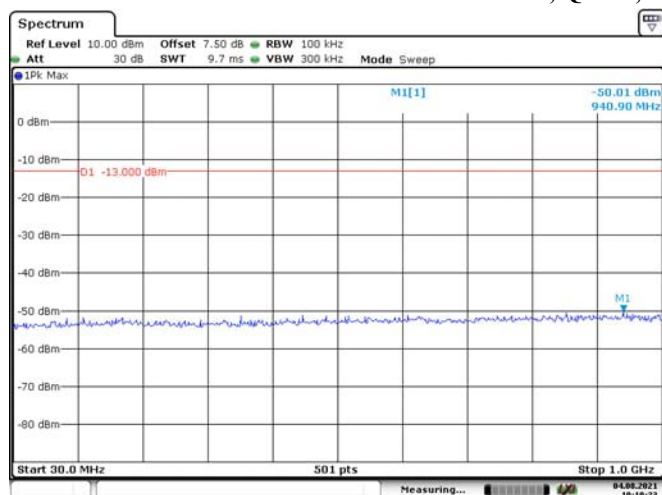


Date: 4.AUG.2021 10:09:26

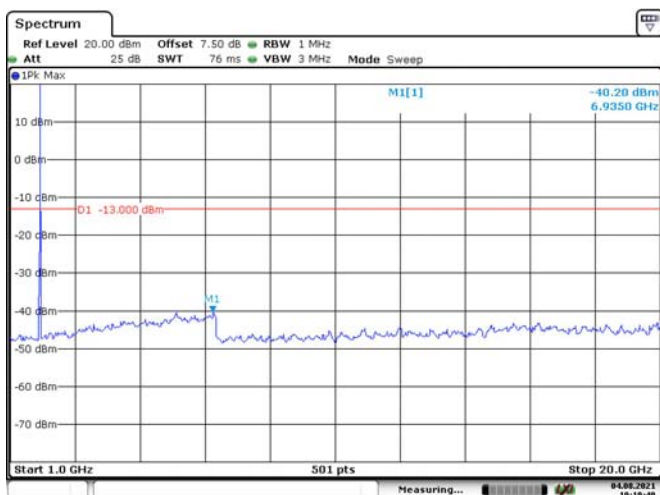


Date: 4.AUG.2021 10:09:55

5M, QPSK, Middle Channel

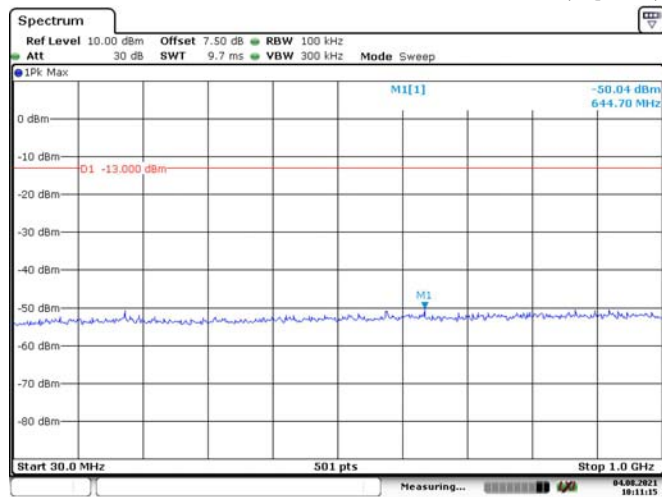


Date: 4.AUG.2021 10:10:24

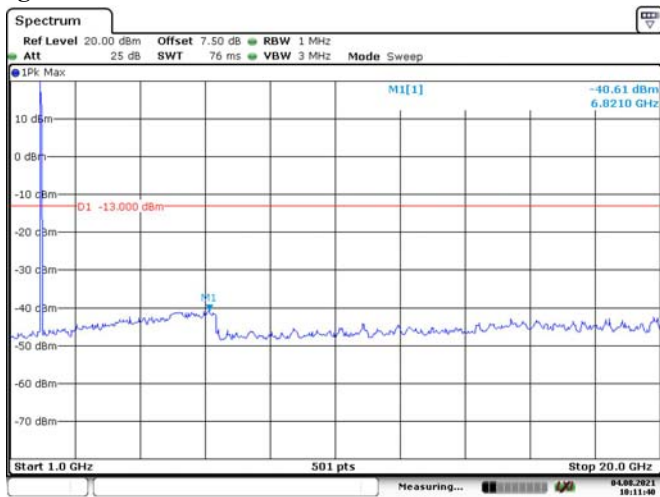


Date: 4.AUG.2021 10:10:49

5M, QPSK, High Channel

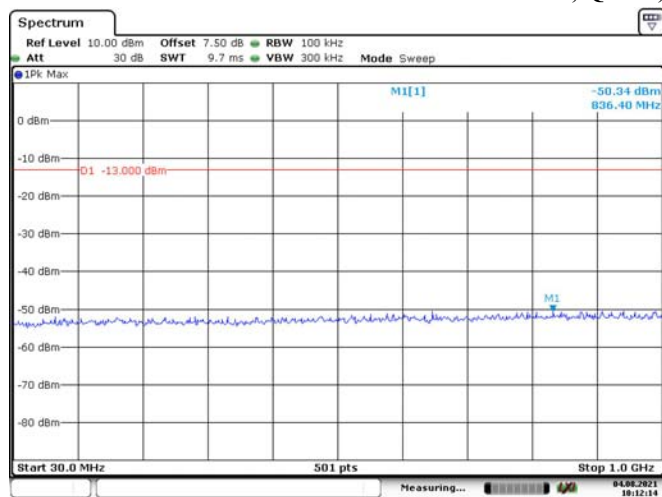


Date: 4.AUG.2021 10:11:15

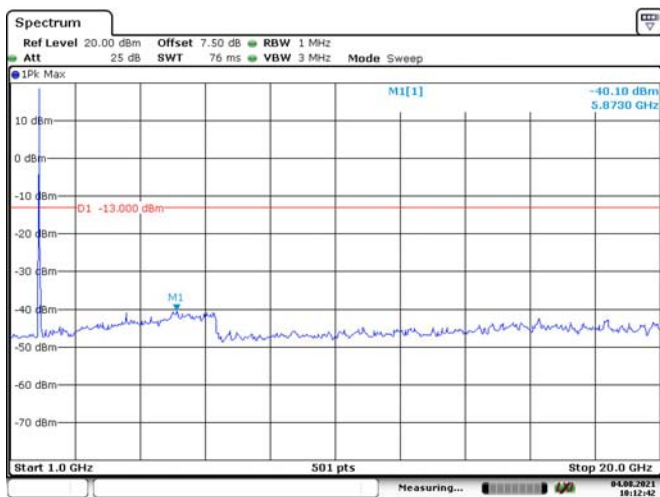


Date: 4.AUG.2021 10:11:40

10M, QPSK, Low Channel

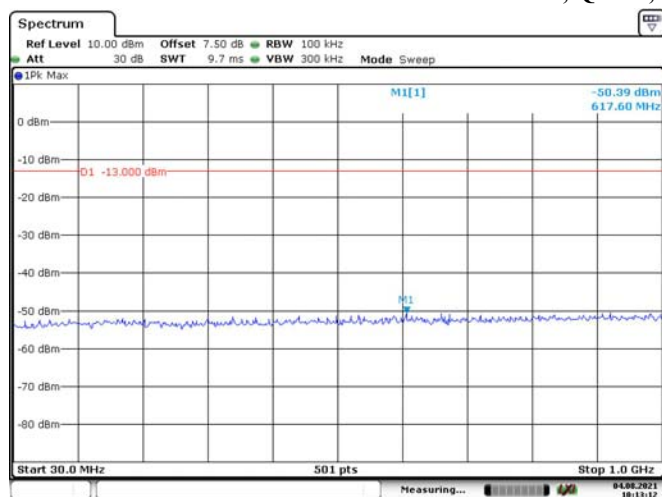


Date: 4.AUG.2021 10:12:14

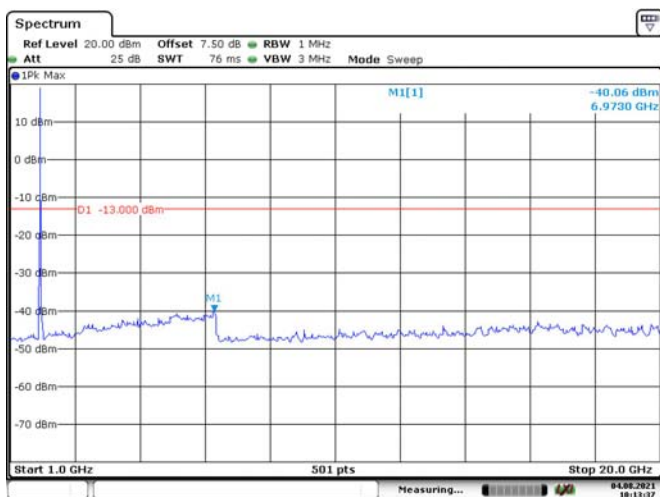


Date: 4.AUG.2021 10:12:42

10M, QPSK, Middle Channel

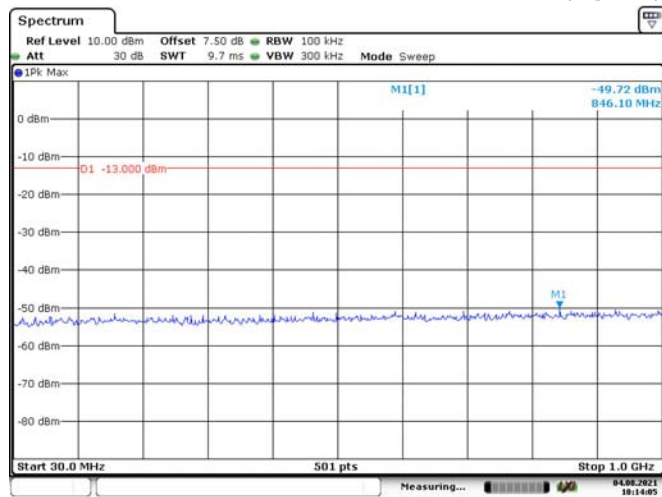


Date: 4.AUG.2021 10:13:13

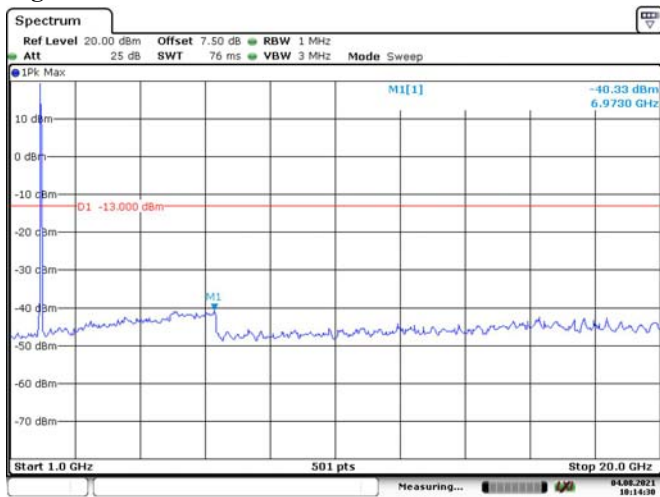


Date: 4.AUG.2021 10:13:38

10M, QPSK, High Channel

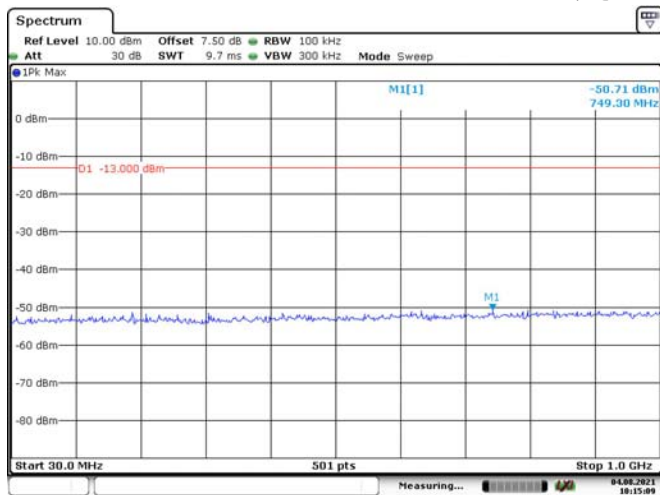


Date: 4.AUG.2021 10:14:05

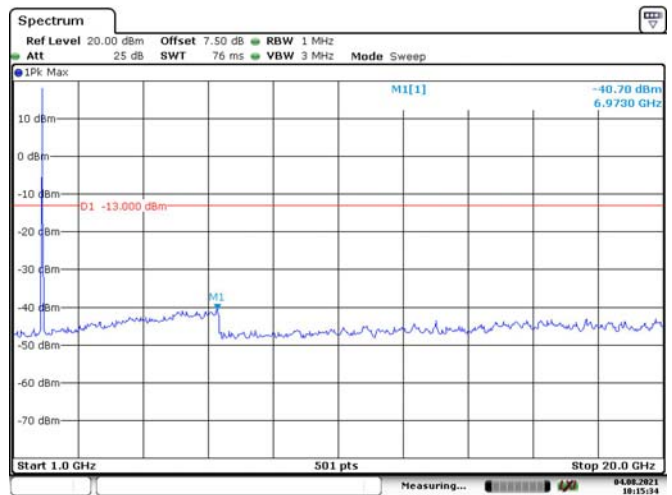


Date: 4.AUG.2021 10:14:30

15M, QPSK, Low Channel

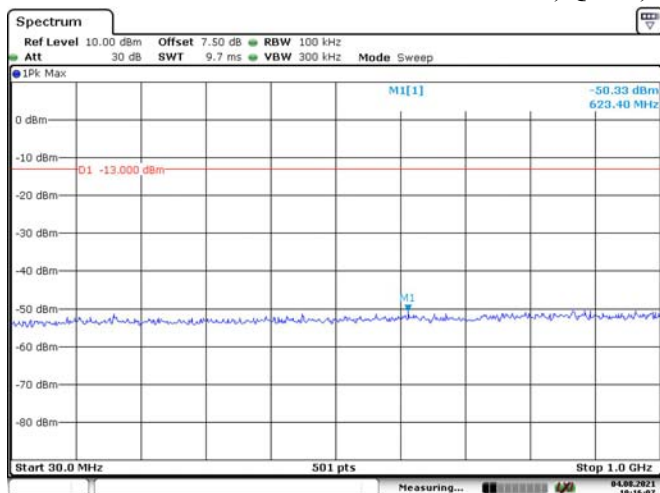


Date: 4.AUG.2021 10:15:10

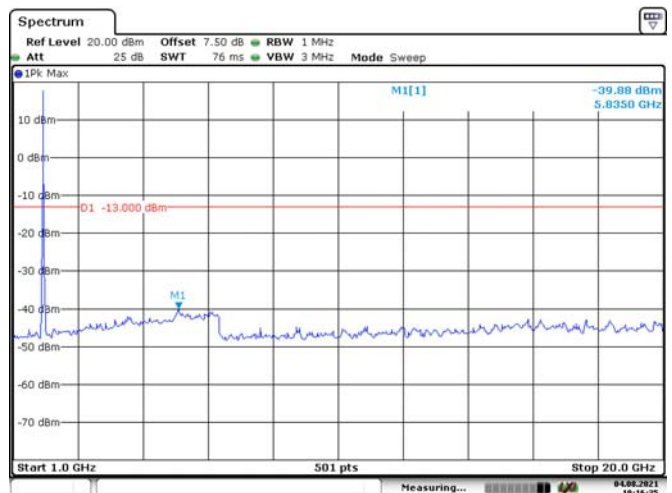


Date: 4.AUG.2021 10:15:35

15M, QPSK, Middle Channel

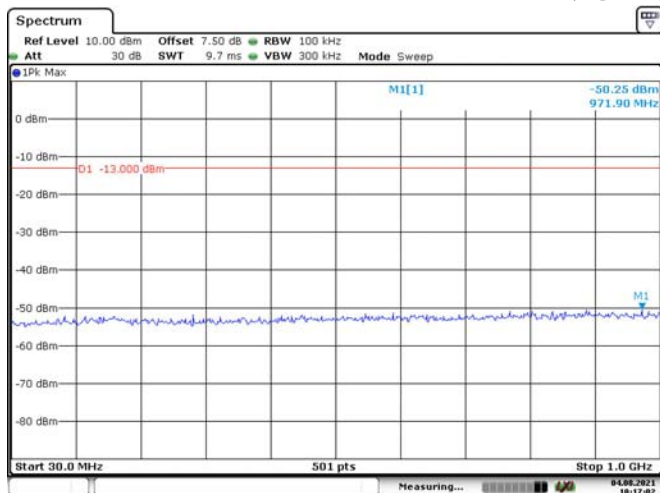


Date: 4.AUG.2021 10:16:07

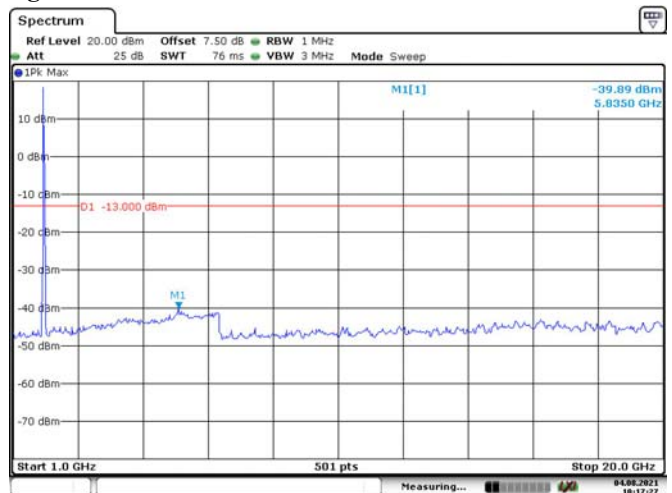


Date: 4.AUG.2021 10:16:36

15M, QPSK, High Channel

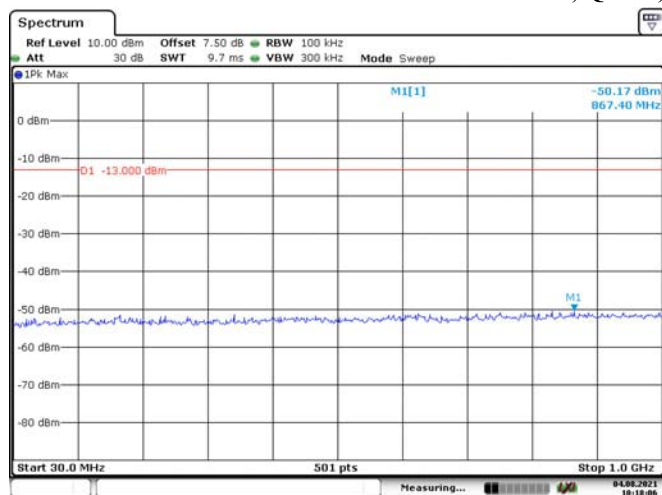


Date: 4.AUG.2021 10:17:02

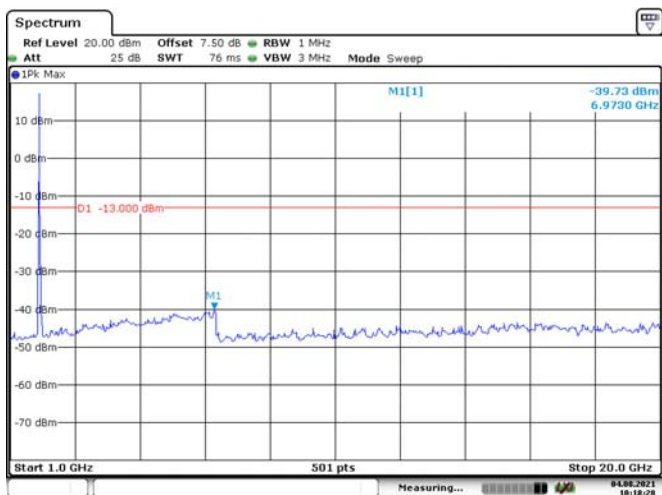


Date: 4.AUG.2021 10:17:27

20M, QPSK, Low Channel

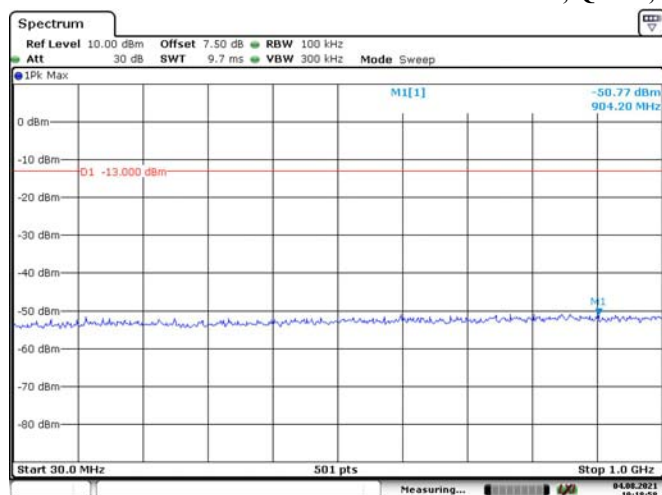


Date: 4.AUG.2021 10:18:07

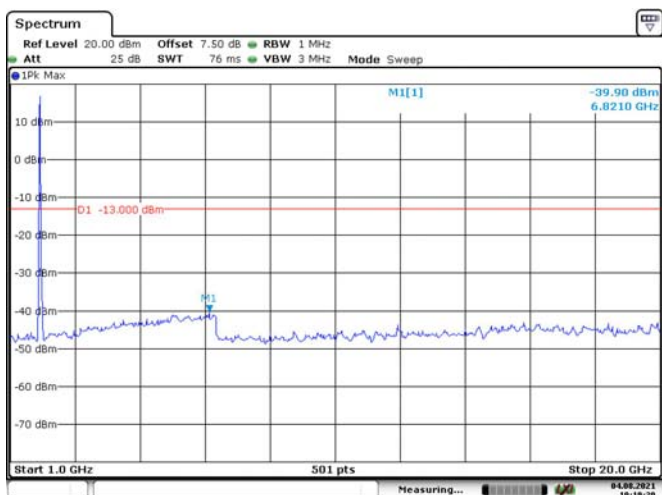


Date: 4.AUG.2021 10:18:29

20M, QPSK, Middle Channel

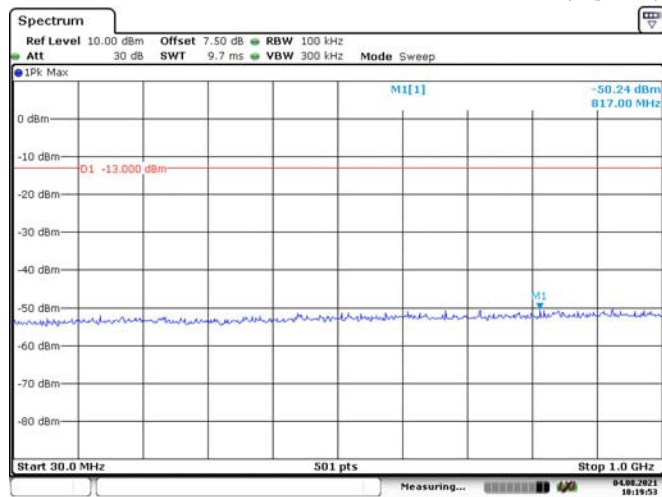


Date: 4.AUG.2021 10:18:58

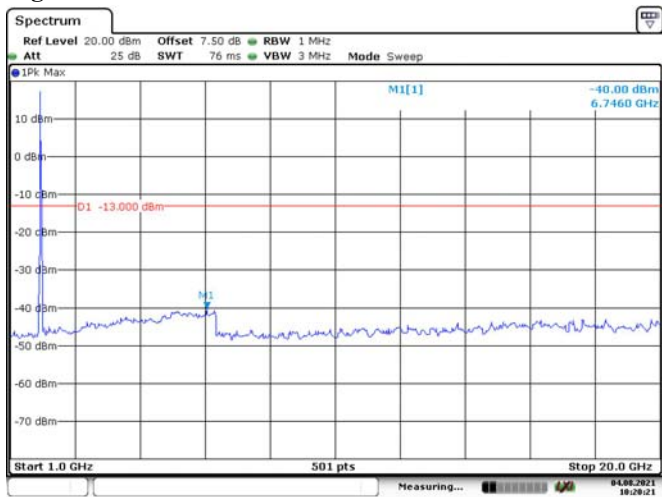


Date: 4.AUG.2021 10:19:20

20M, QPSK, High Channel



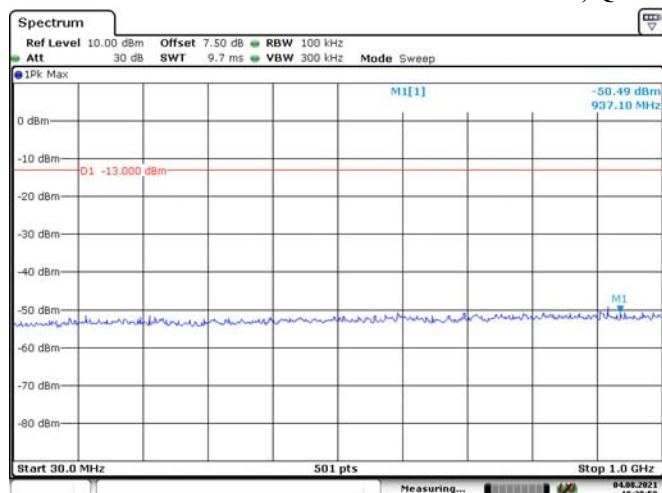
Date: 4.AUG.2021 10:19:53



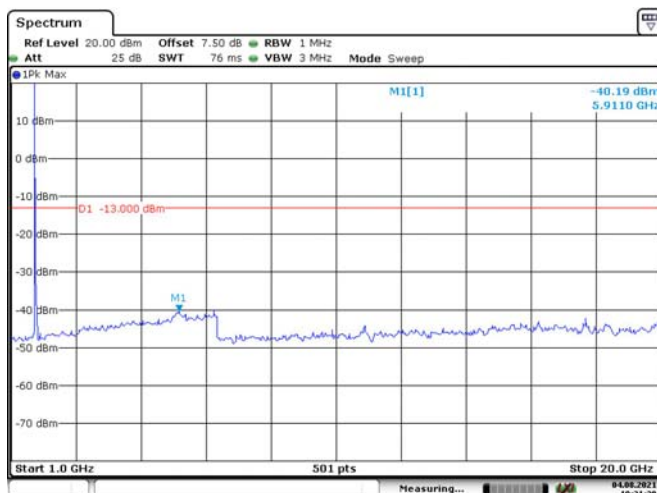
Date: 4.AUG.2021 10:20:21

LTE Band 4:

1.4M, QPSK, Low Channel

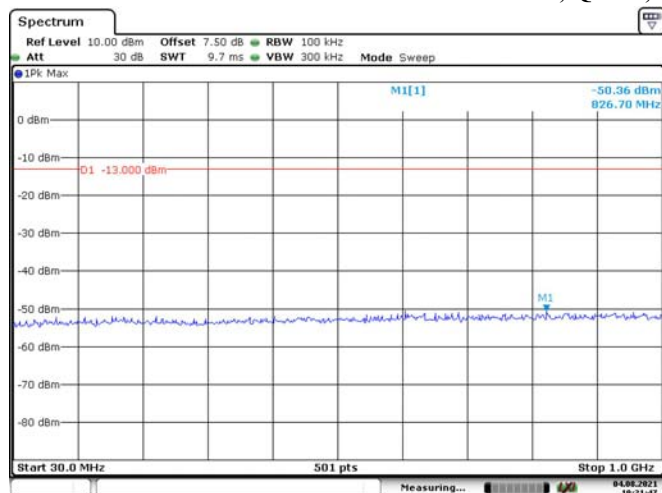


Date: 4.AUG.2021 10:20:59

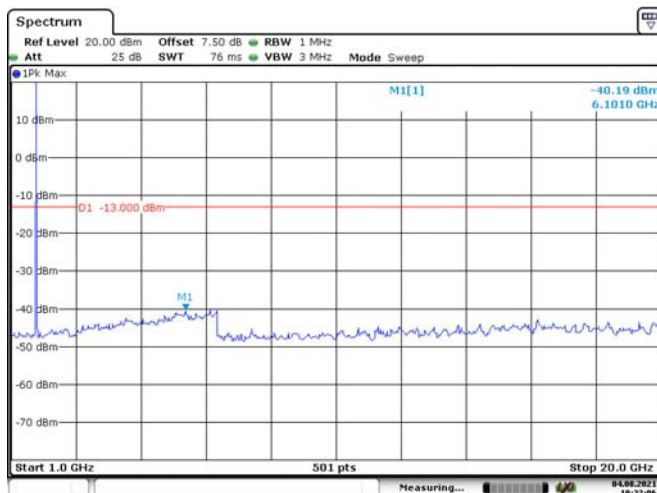


Date: 4.AUG.2021 10:21:21

1.4M, QPSK, Middle Channel

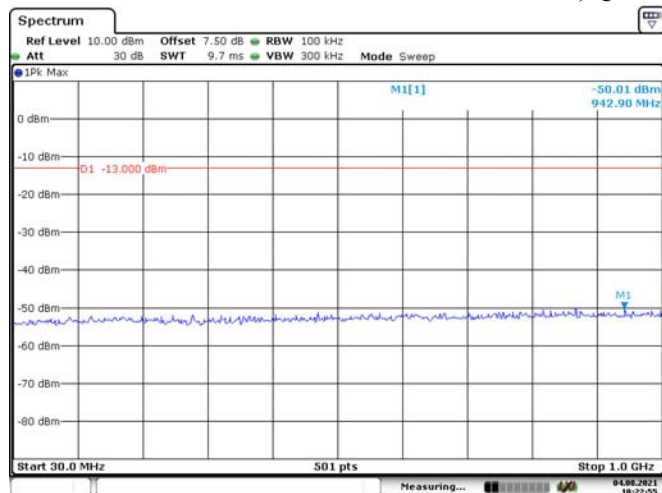


Date: 4.AUG.2021 10:21:47

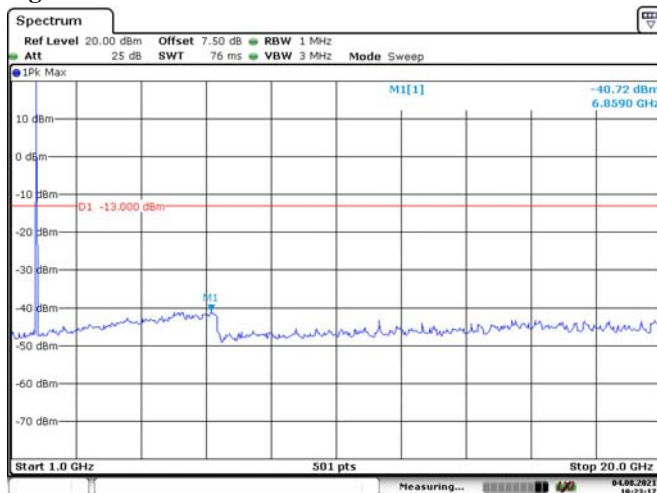


Date: 4.AUG.2021 10:22:06

1.4M, QPSK, High Channel

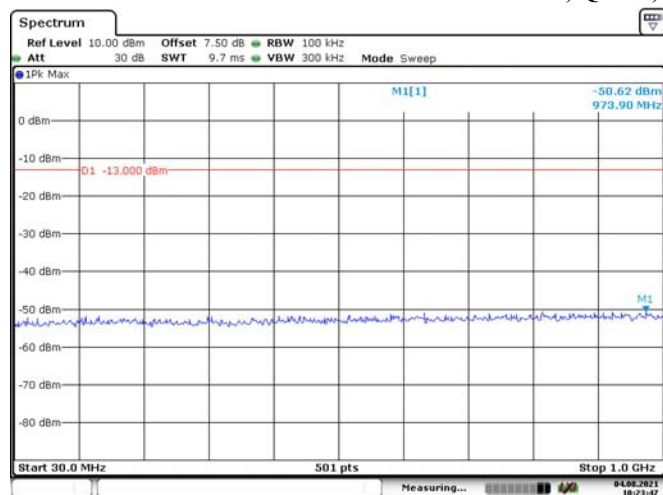


Date: 4.AUG.2021 10:22:55

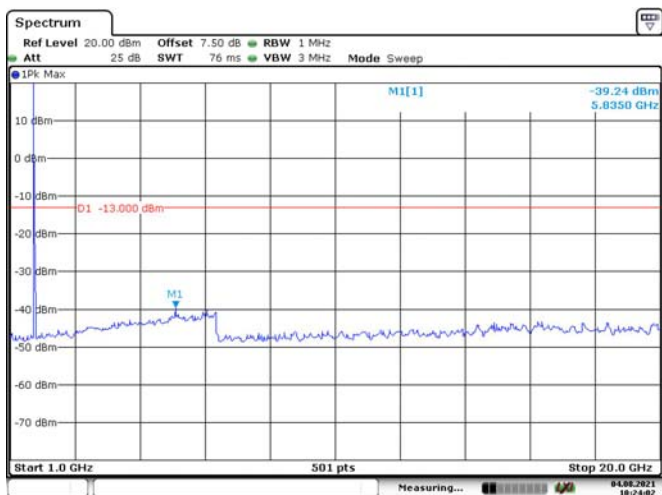


Date: 4.AUG.2021 10:23:17

3M, QPSK, Low Channel

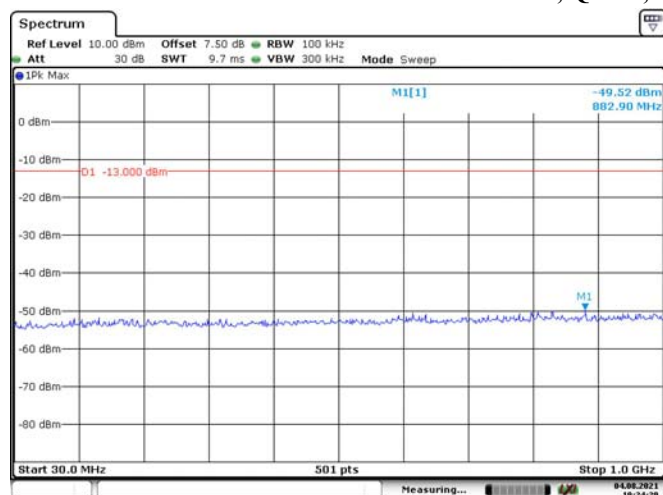


Date: 4.AUG.2021 10:23:47

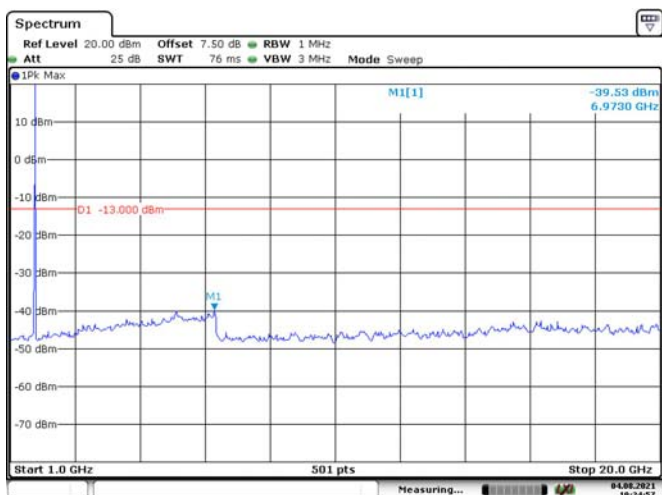


Date: 4.AUG.2021 10:24:03

3M, QPSK, Middle Channel

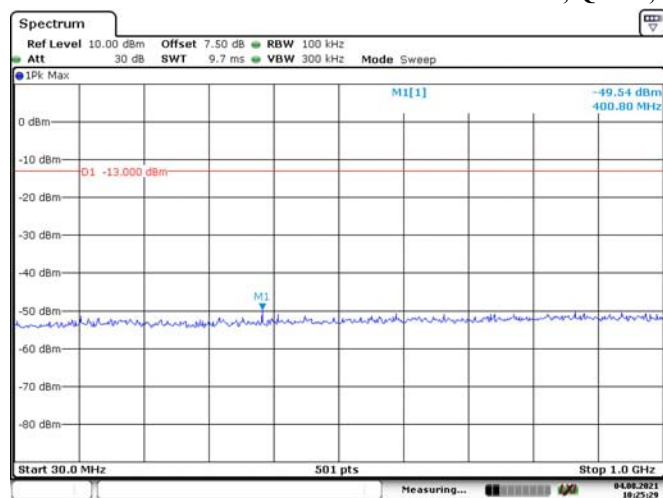


Date: 4.AUG.2021 10:24:29

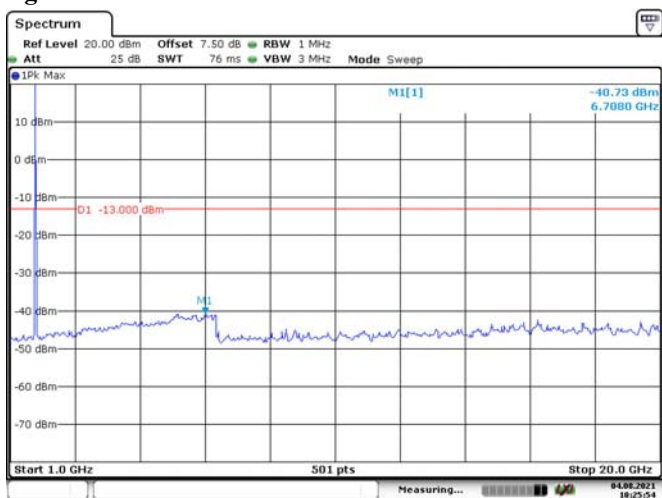


Date: 4.AUG.2021 10:24:57

3M, QPSK, High Channel

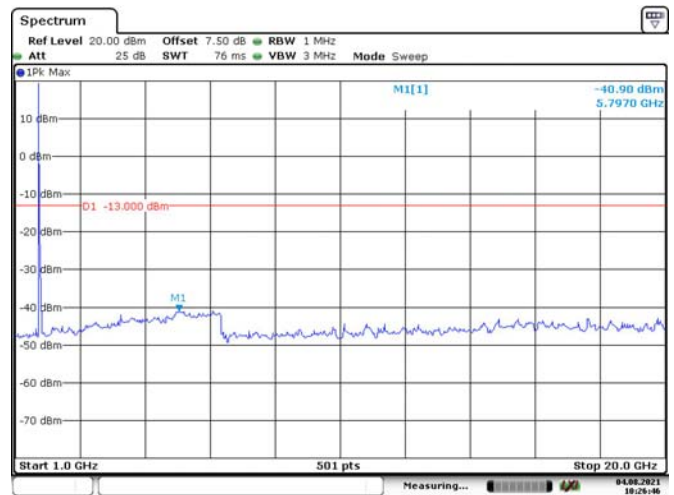
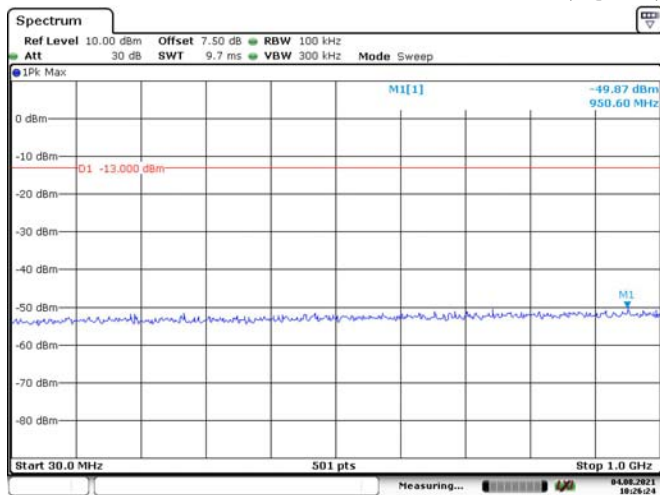


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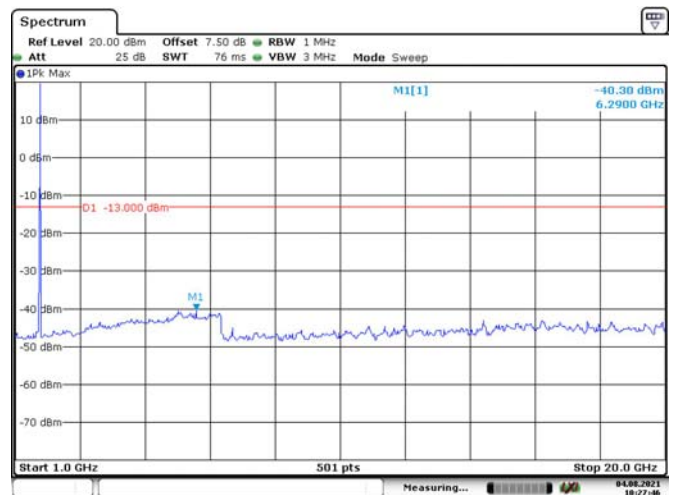
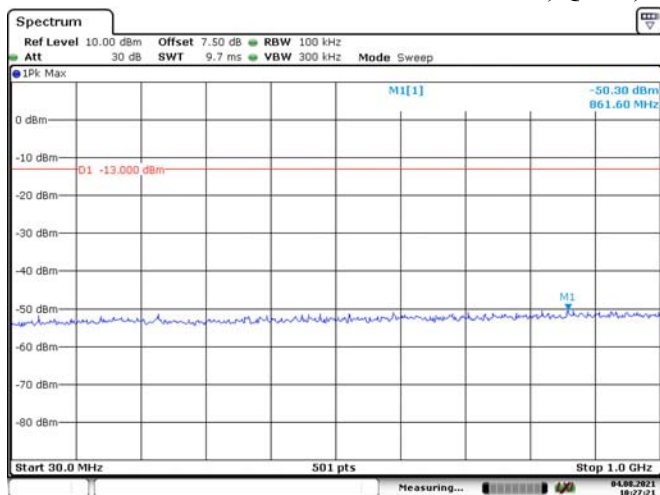


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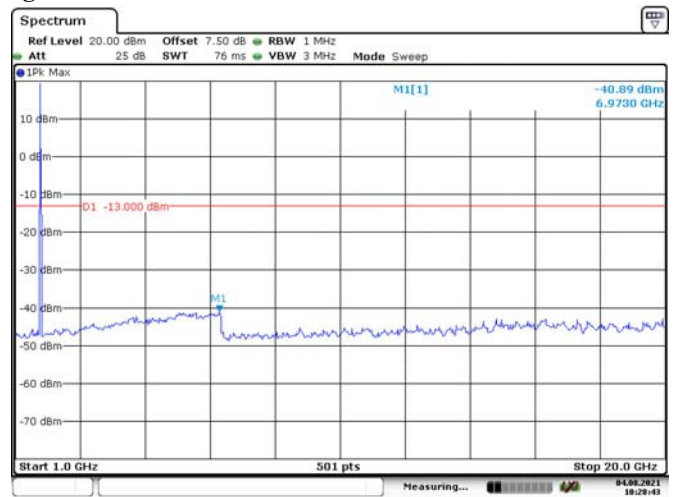
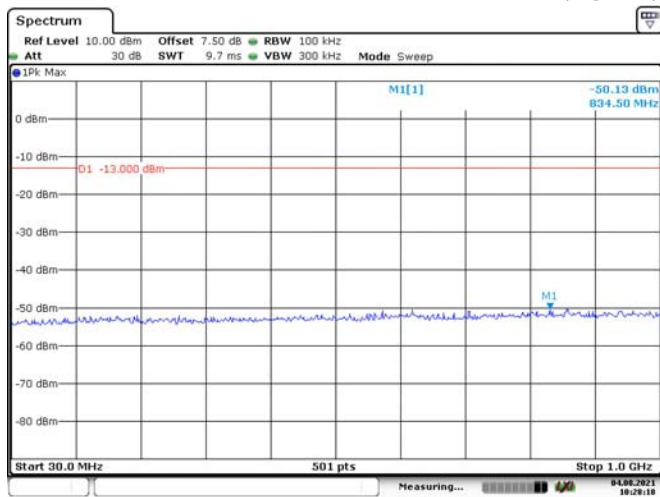
5M, QPSK, Low Channel



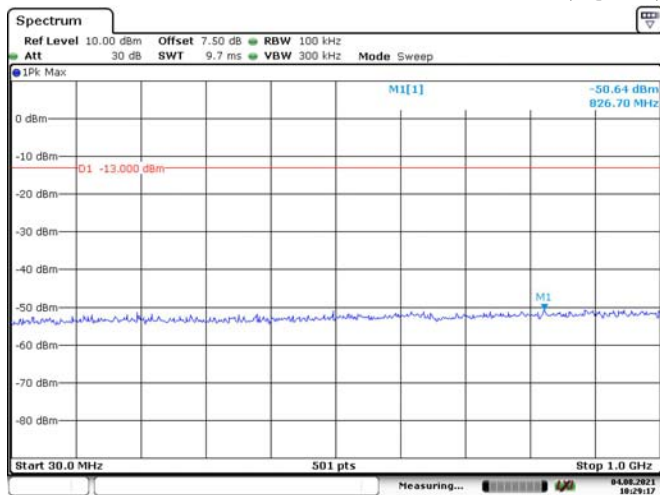
5M, QPSK, Middle Channel



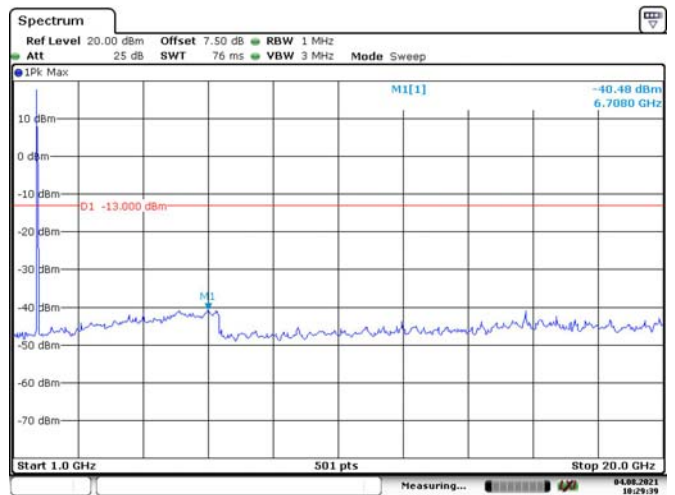
5M, QPSK, High Channel



10M, QPSK, Low Channel

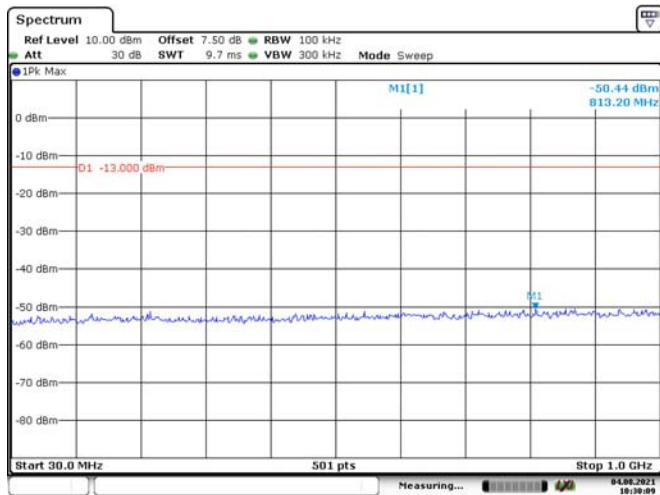


Date: 4.AUG.2021 10:29:18

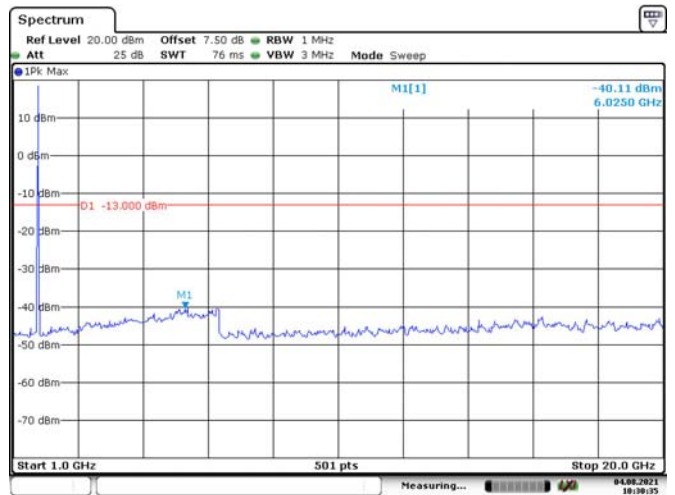


Date: 4.AUG.2021 10:29:40

10M, QPSK, Middle Channel

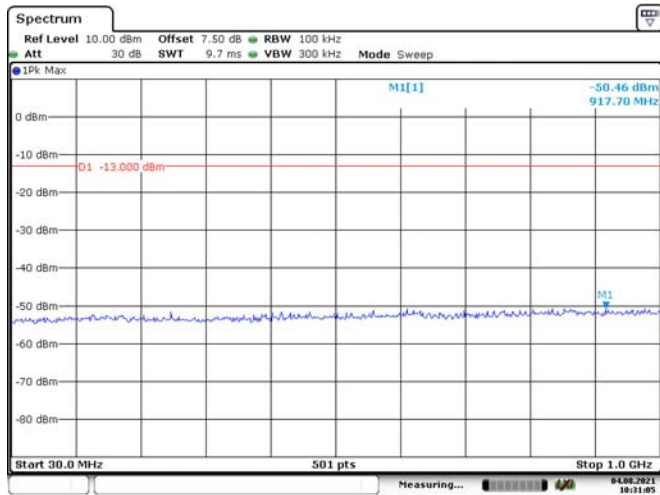


Date: 4.AUG.2021 10:30:10

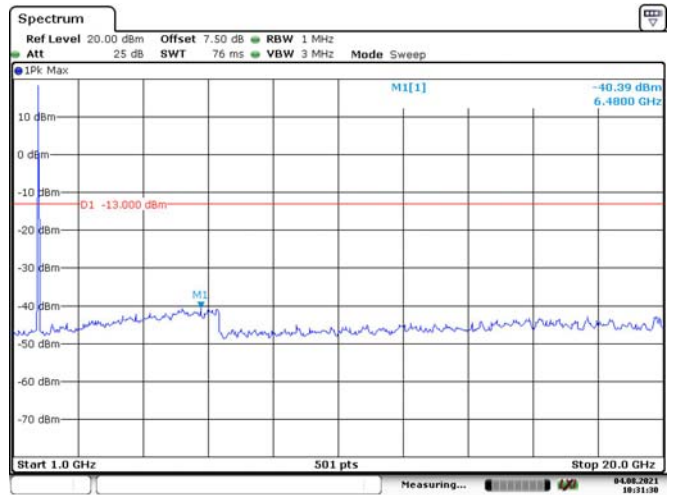


Date: 4.AUG.2021 10:30:35

10M, QPSK, High Channel

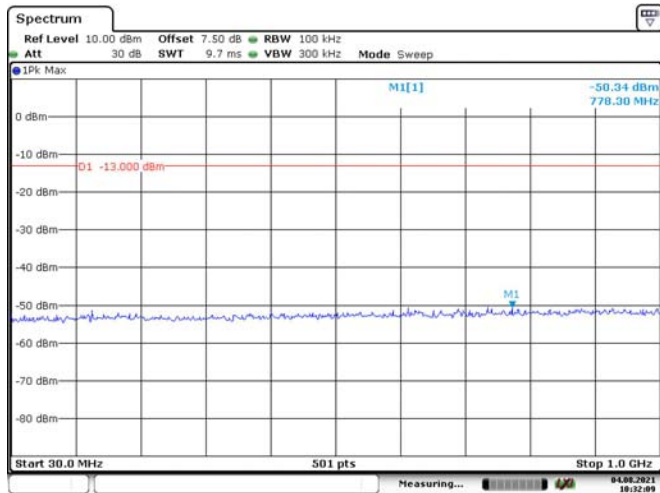


Date: 4.AUG.2021 10:31:05

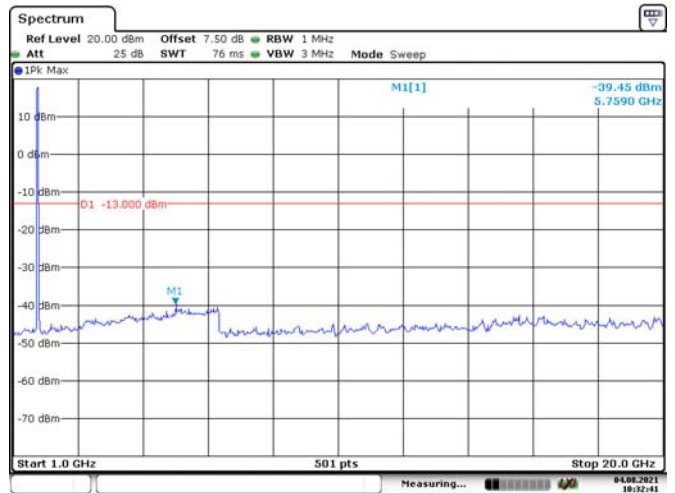


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15M, QPSK, Low Channel

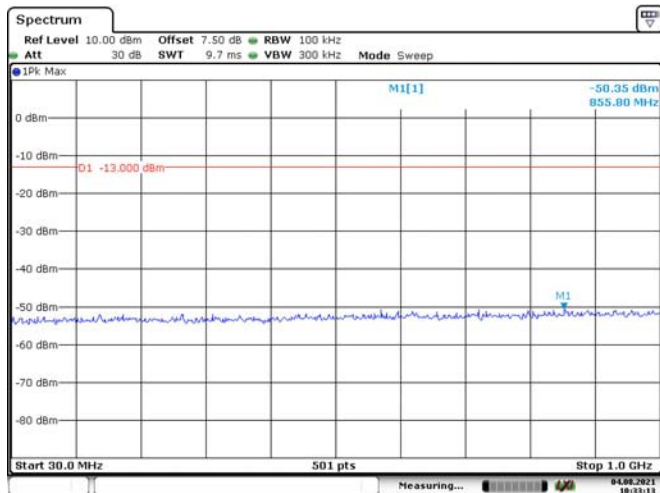


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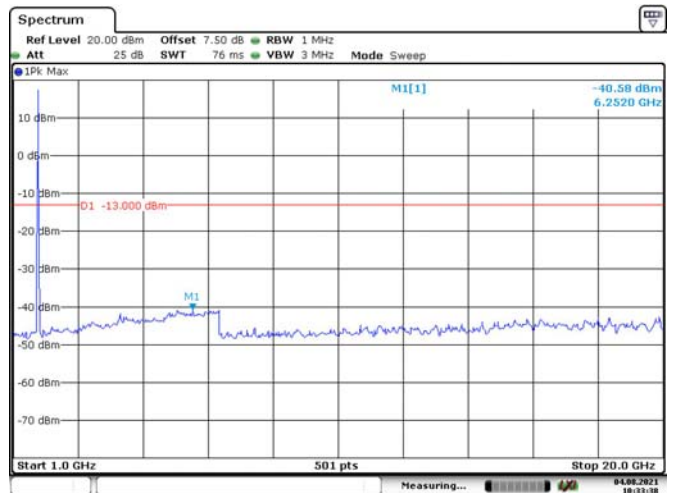


Date: 4.AUG.2021 10:32:41

15M, QPSK, Middle Channel

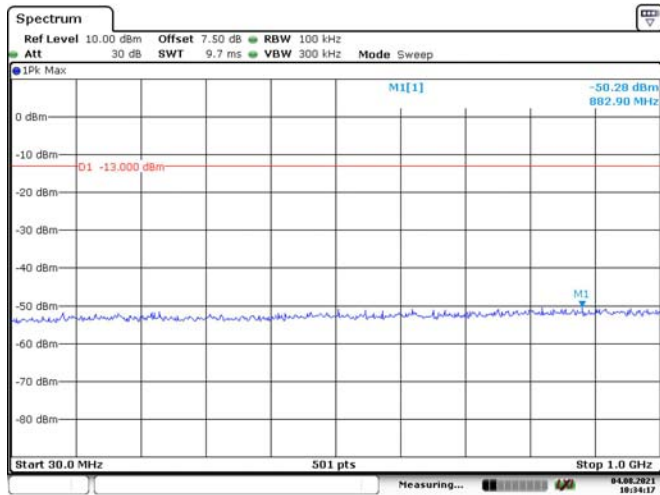


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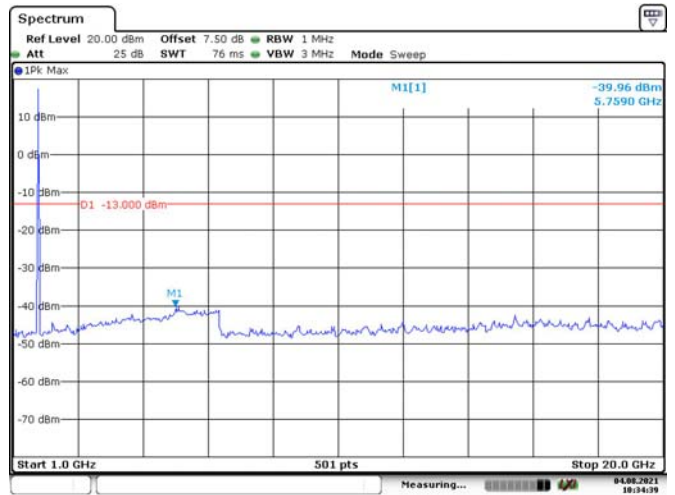


Date: 4.AUG.2021 10:33:39

15M, QPSK, High Channel

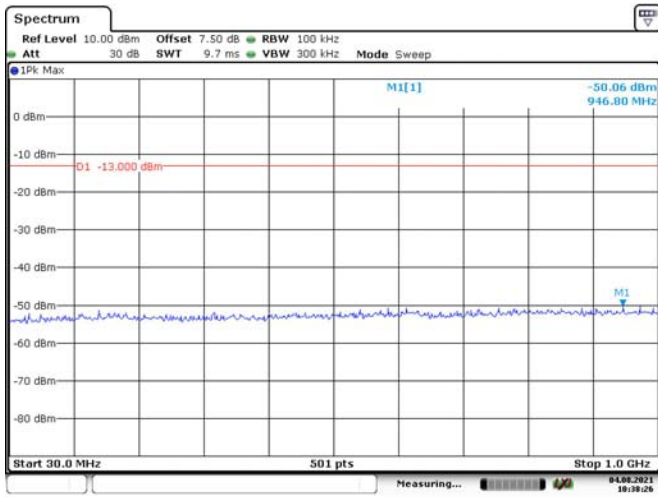


Date: 4.AUG.2021 10:34:18

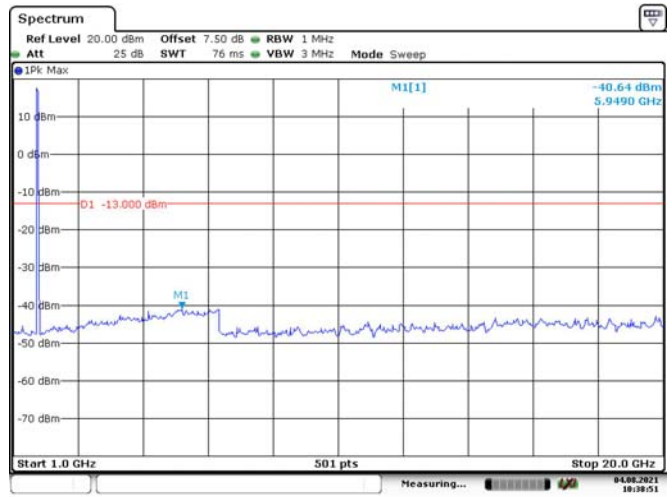


Date: 4.AUG.2021 10:34:40

20M, QPSK, Low Channel

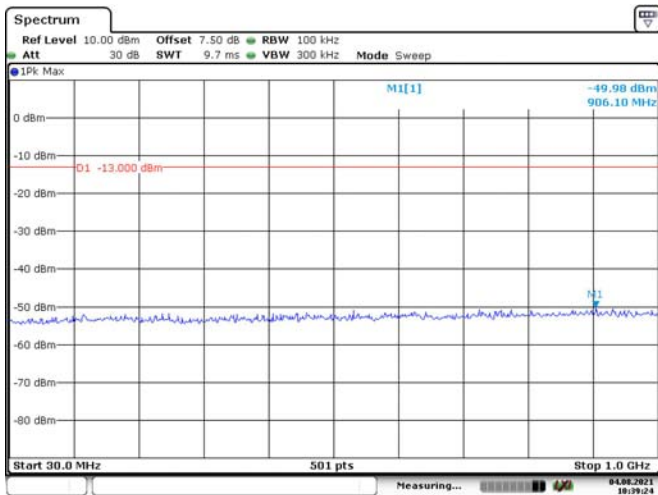


Date: 4.AUG.2021 10:38:27

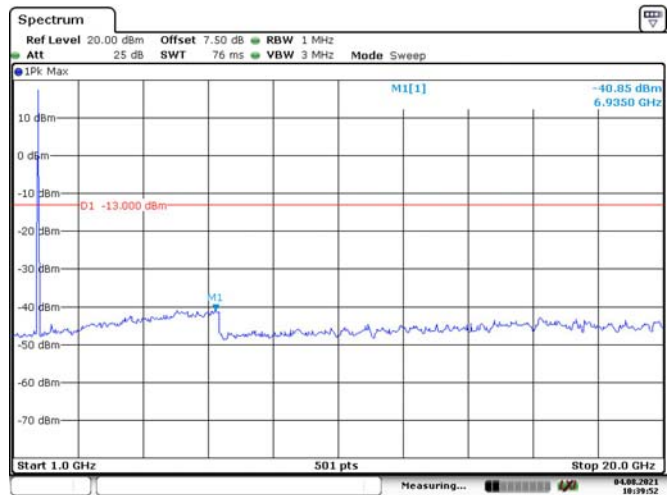


Date: 4.AUG.2021 10:38:52

20M, QPSK, Middle Channel

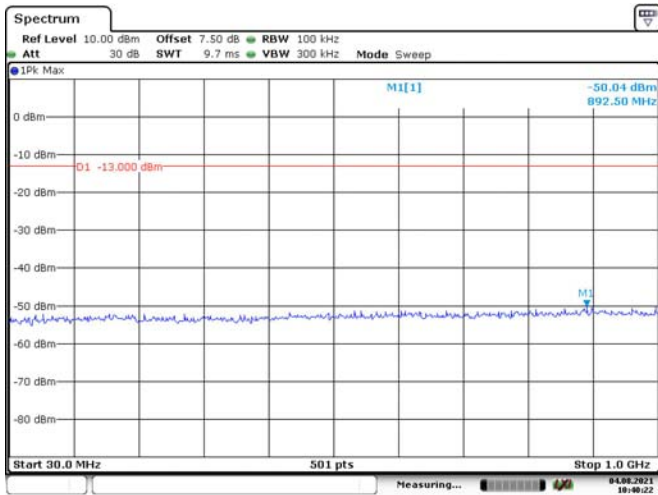


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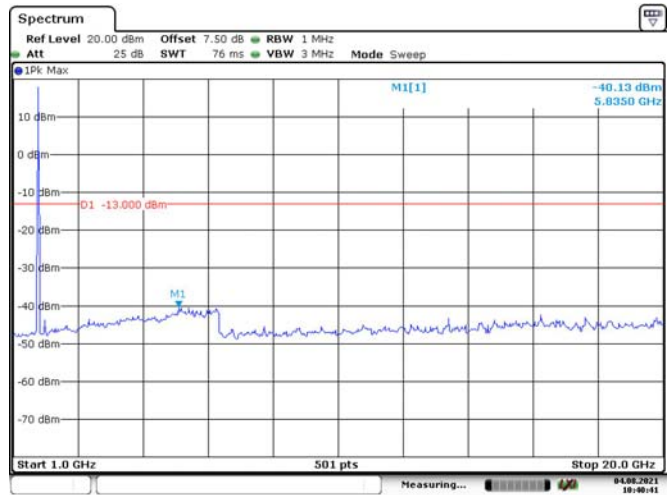


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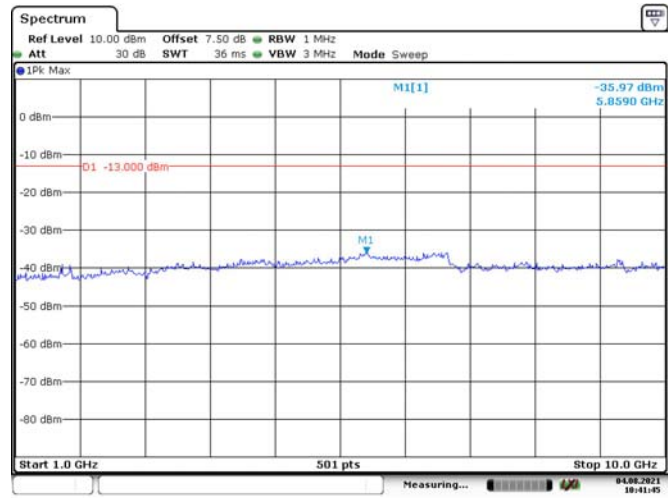
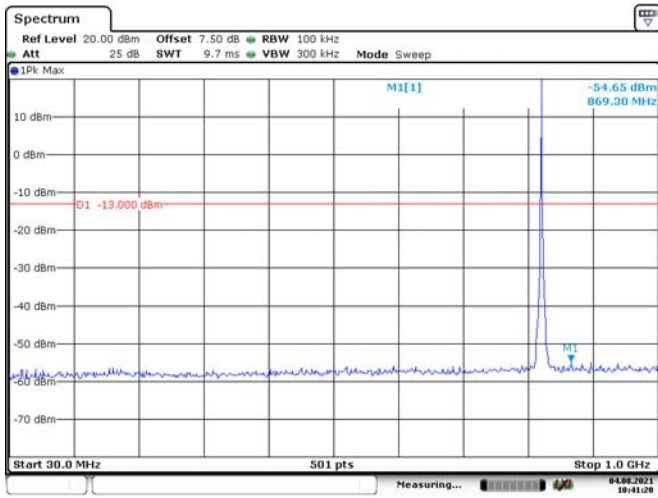
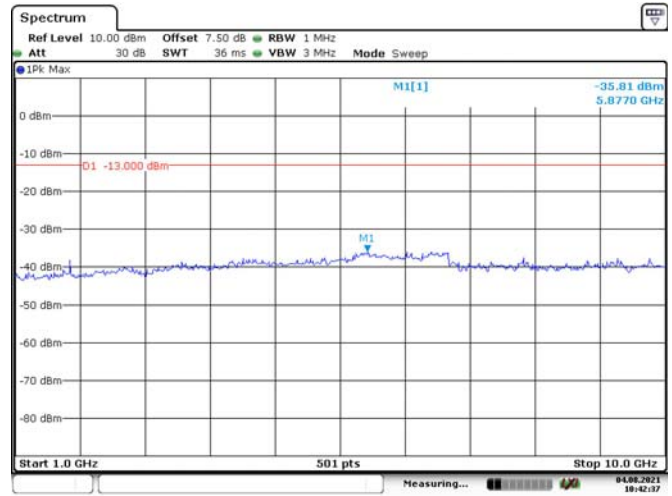
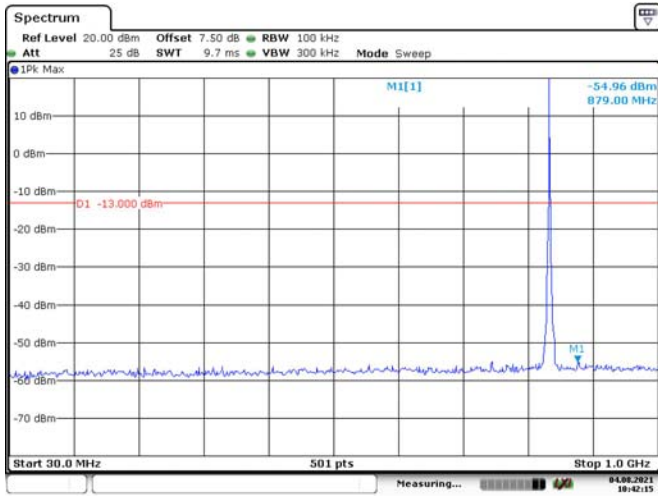
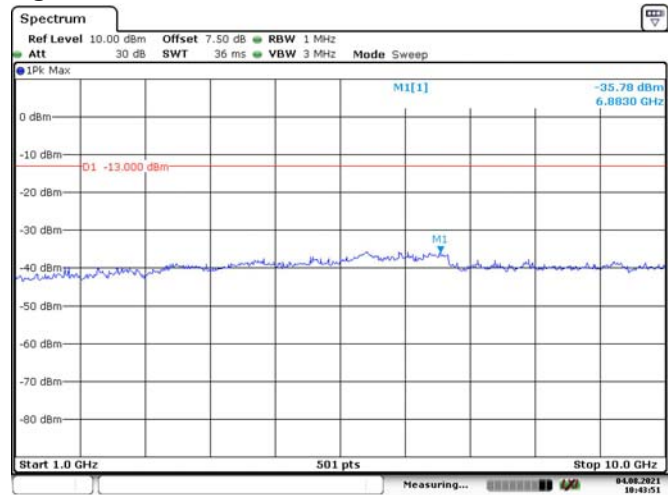
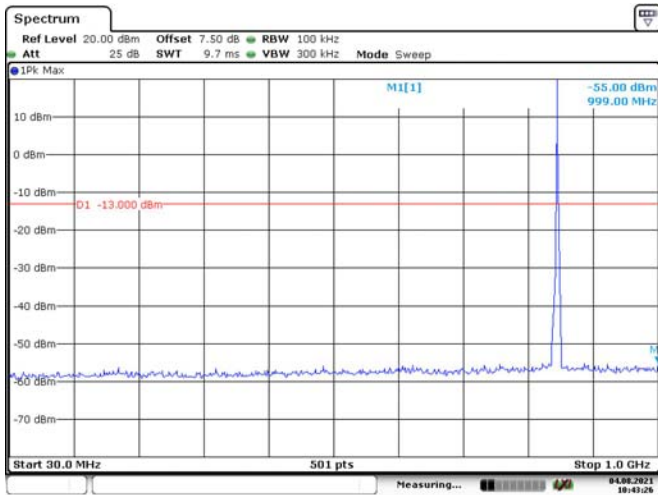
20M, QPSK, High Channel



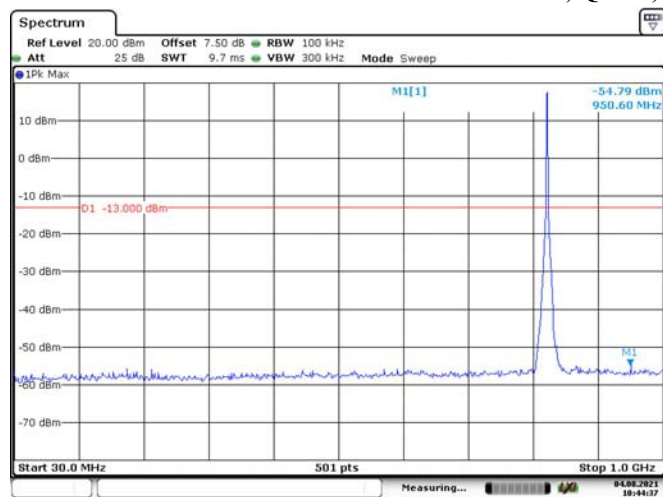
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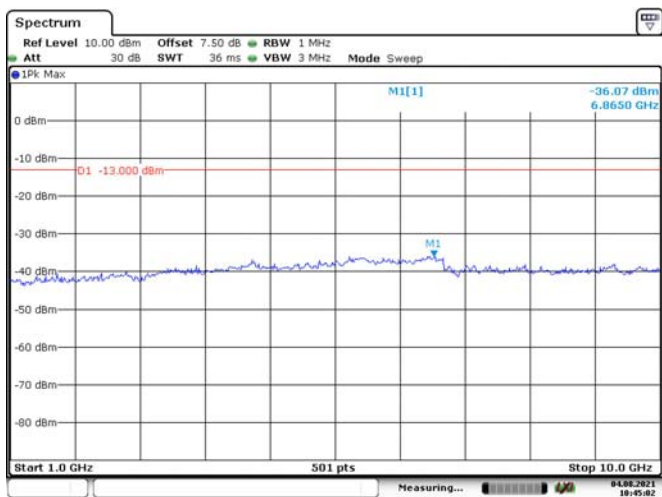
Date: 4.AUG.2021 10:40:41

LTE Band 5:**1.4M, QPSK, Low Channel****1.4M, QPSK, Middle Channel****1.4M, QPSK, High Channel**

3M, QPSK, Low Channel

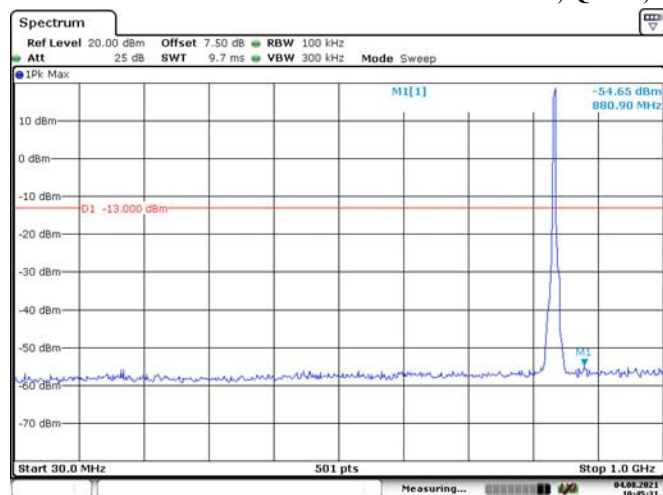


Date: 4.AUG.2021 10:44:38

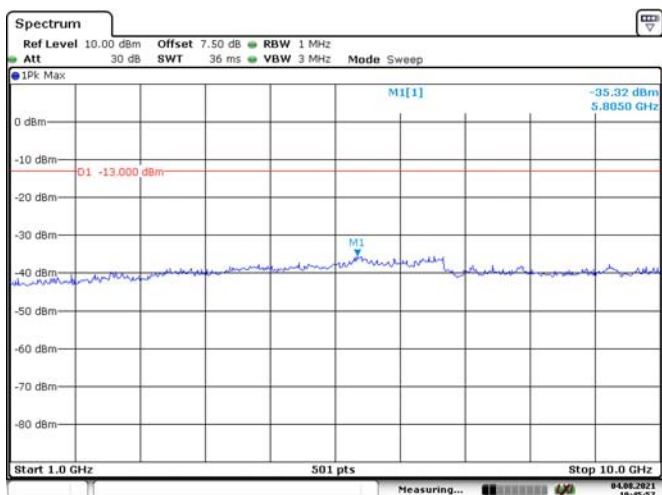


Date: 4.AUG.2021 10:45:03

3M, QPSK, Middle Channel

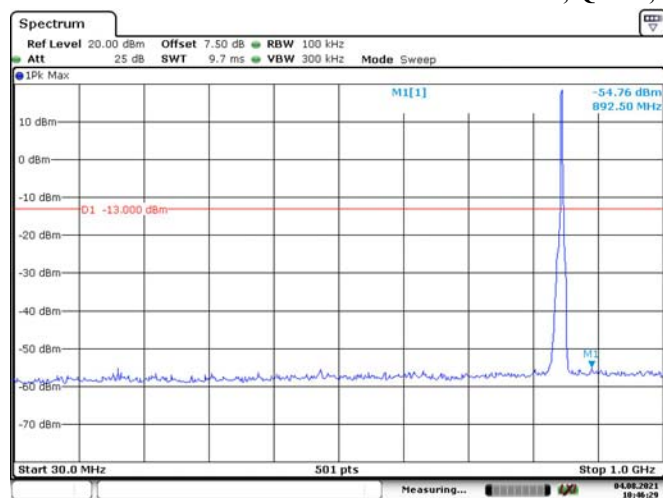


Date: 4.AUG.2021 10:45:32

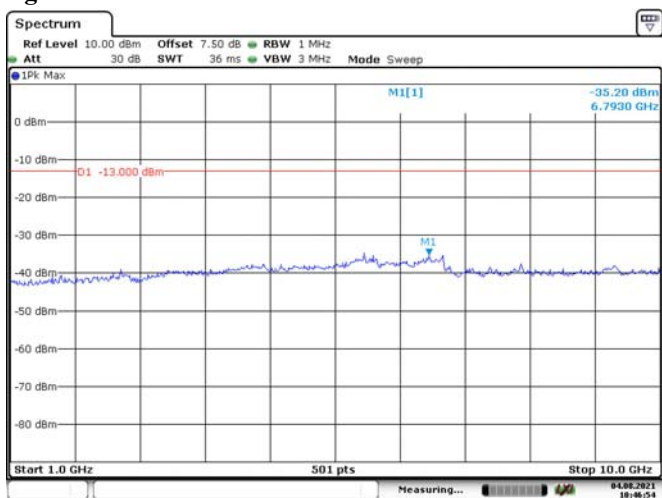


Date: 4.AUG.2021 10:45:57

3M, QPSK, High Channel

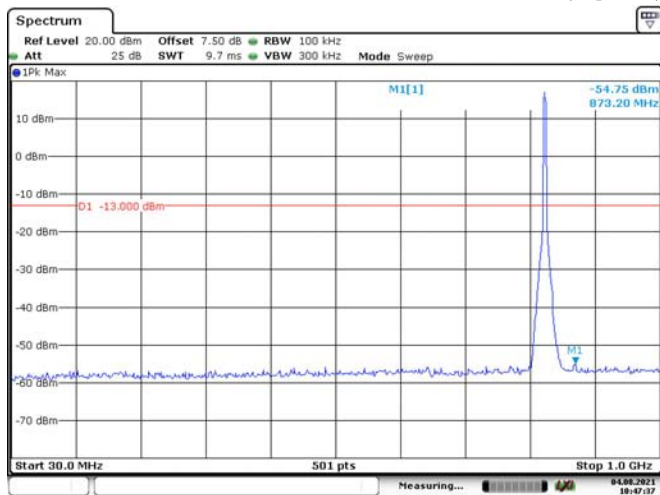


Date: 4.AUG.2021 10:46:29

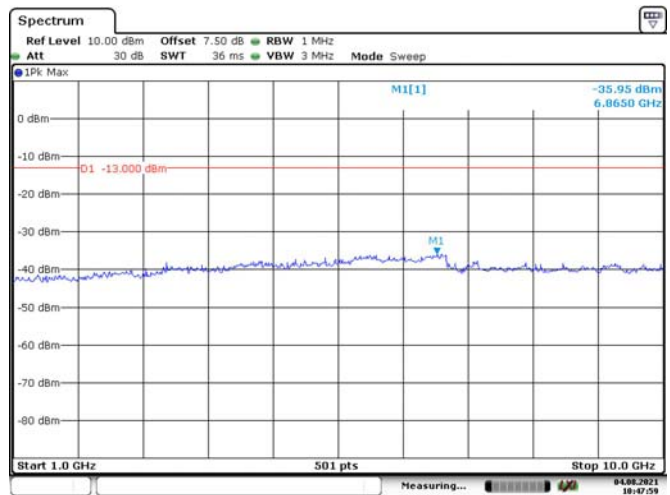


Date: 4.AUG.2021 10:46:54

5M, QPSK, Low Channel

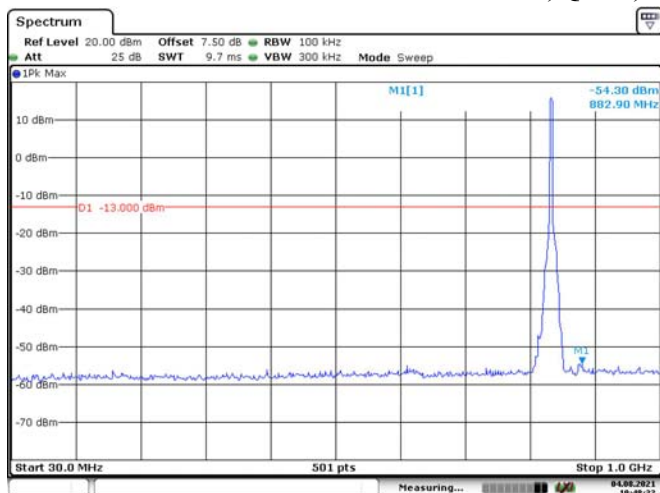


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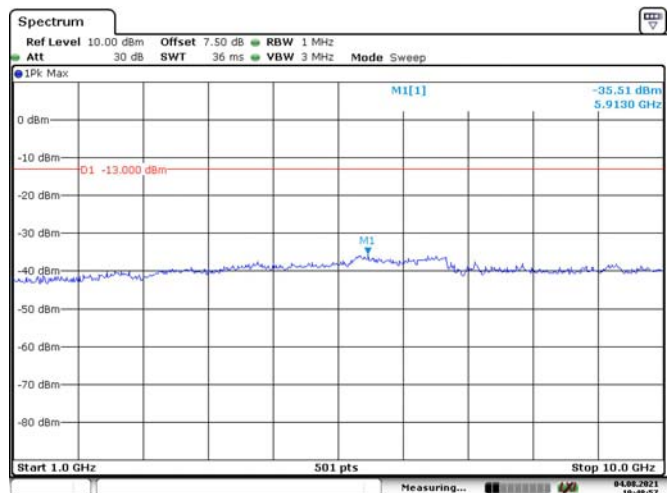


Date: 4.AUG.2021 10:48:00

5M, QPSK, Middle Channel

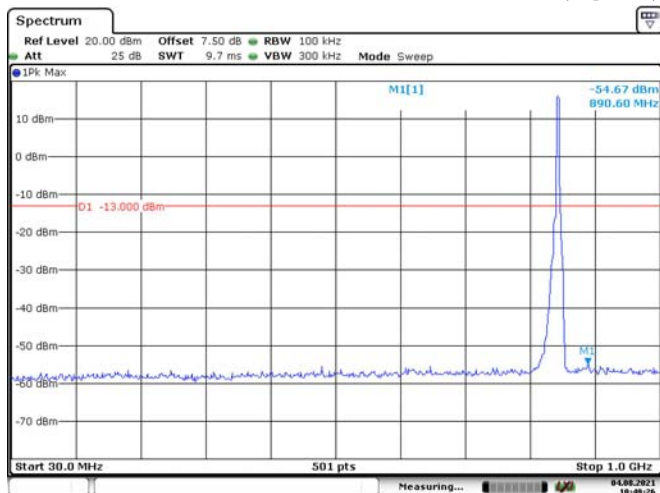


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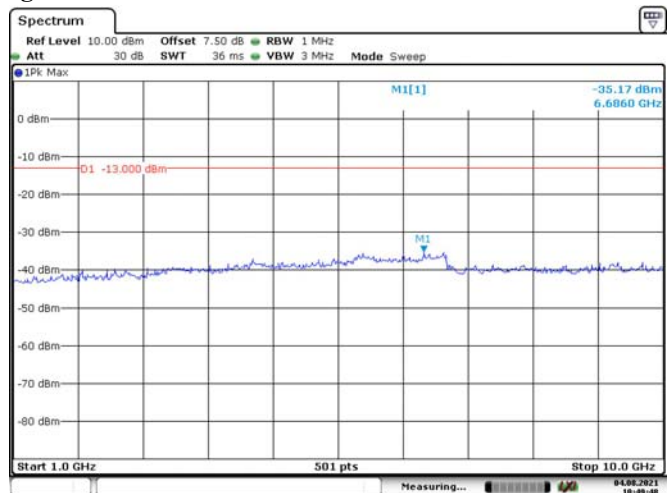


Date: 4.AUG.2021 10:48:57

5M, QPSK, High Channel

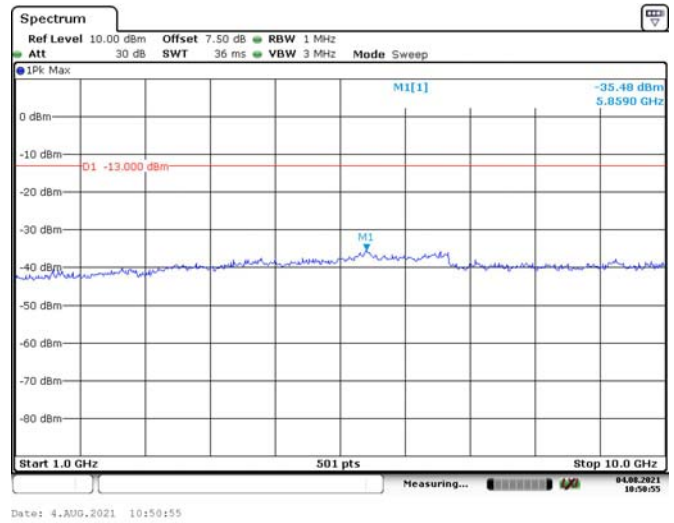
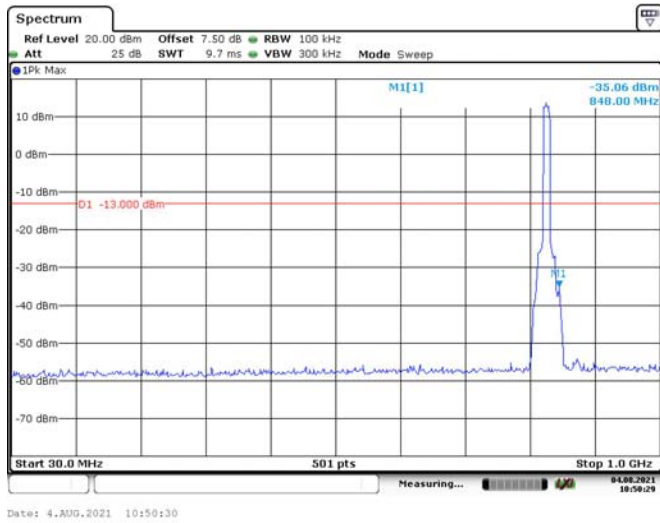


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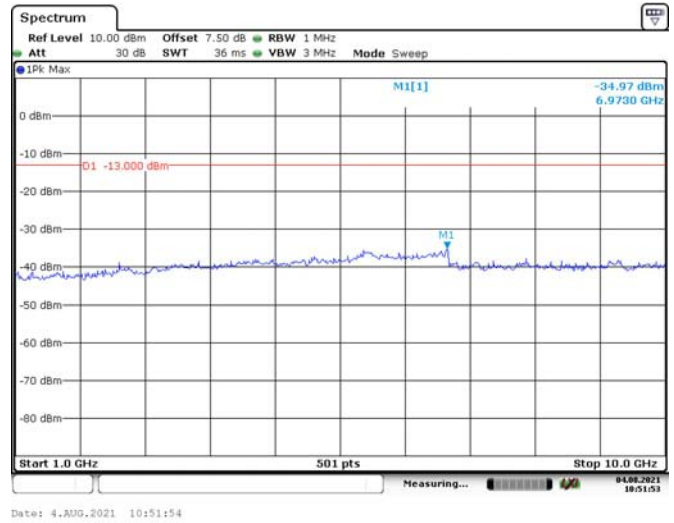
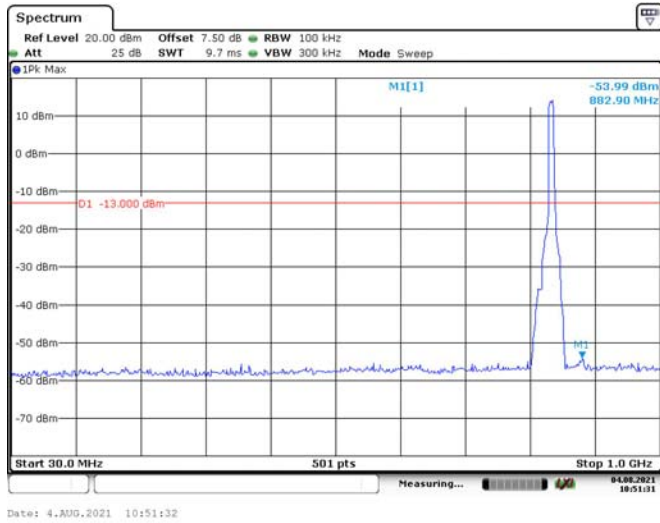


Date: 4.AUG.2021 10:49:48

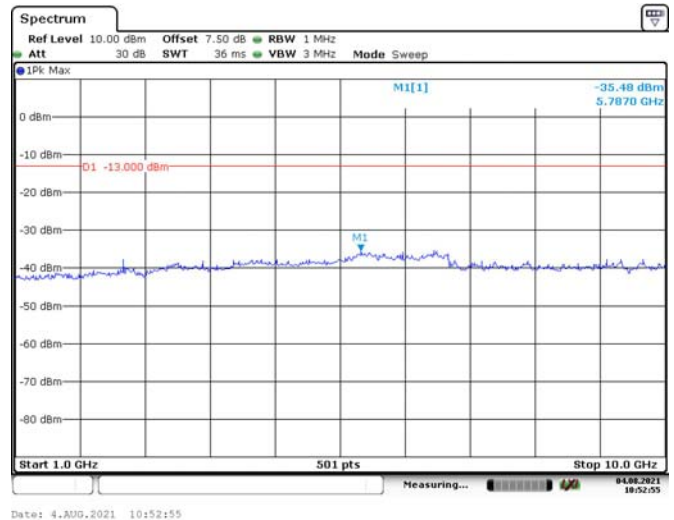
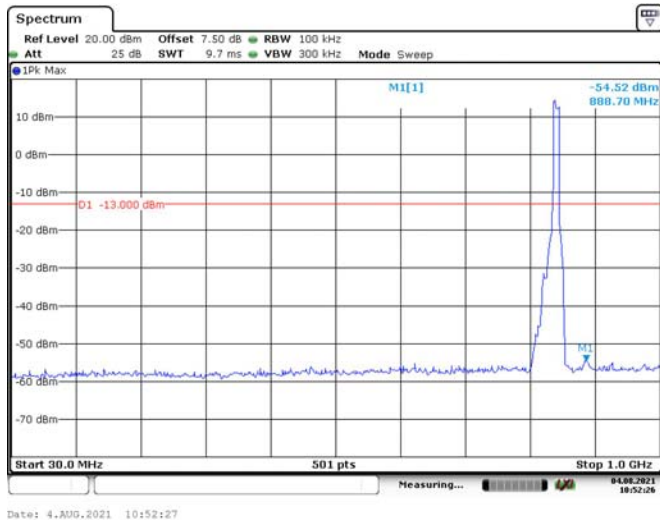
10M, QPSK, Low Channel



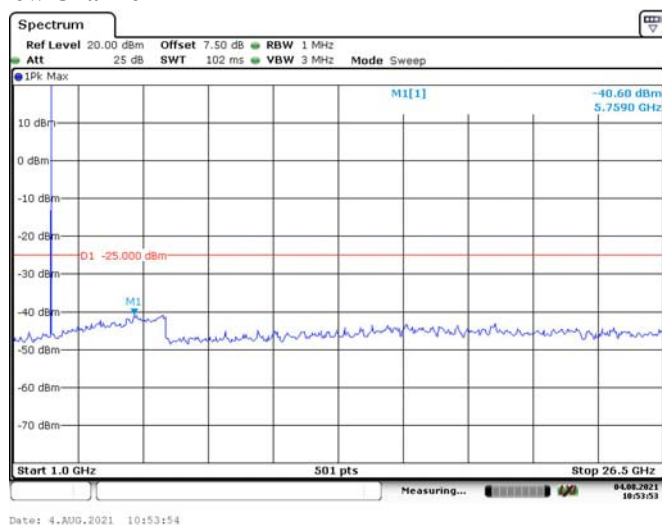
10M, QPSK, Middle Channel



10M, QPSK, High Channel



5M, QPSK, Low Channel



Spectrum

Ref Level 20.00 dBm Offset 7.50 dB RBW 1 MHz
 Att 25 dB SWT 102 ms VBW 3 MHz Mode Sweep

3Pk Max

M1[1] -40.77 dBm
 5.7590 GHz

D1 -25.000 dBm

M1

Start 1.0 GHz 501 pts Stop 26.5 GHz

Measuring...

Date: 4.AUG.2021 10:54:54

Spectrum

Ref Level 20.00 dBm Offset 7.50 dB RBW 1 MHz
 Att 25 dB SWT 102 ms VBW 3 MHz Mode Sweep

1Pk Max

M1[1] -40.71 dBm
 6.9810 GHz

D1 -25.000 dBm

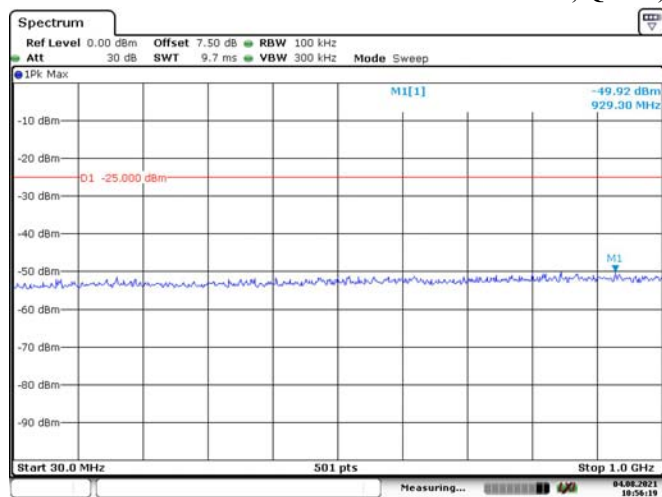
M1

Start 1.0 GHz 501 pts Stop 26.5 GHz

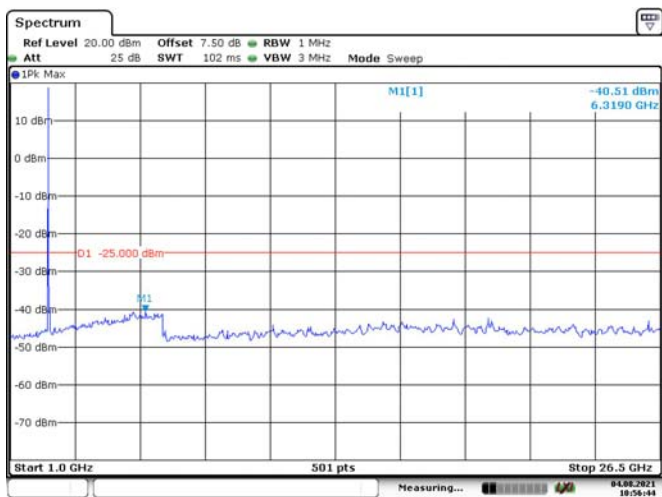
Measuring...

Date: 4.AUG.2021 10:55:45

10M, QPSK, Low Channel

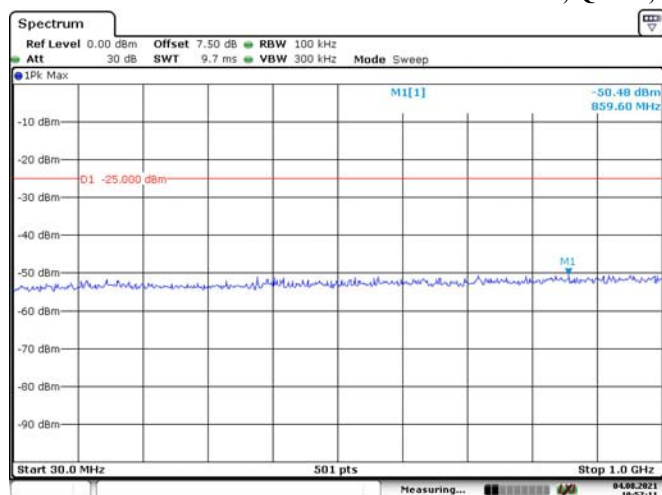


Date: 4.AUG.2021 10:56:19

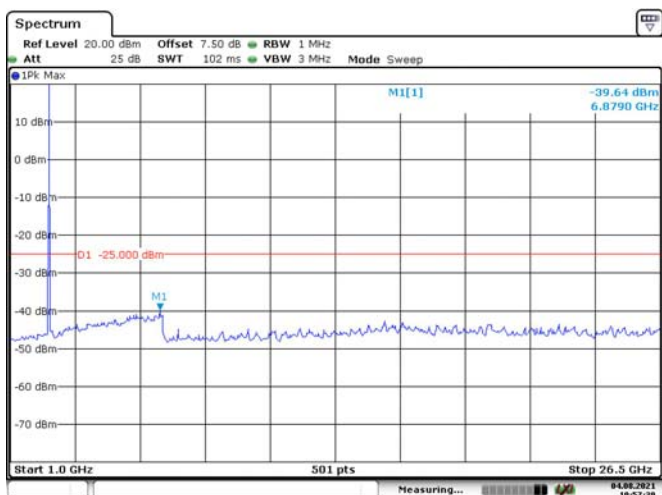


Date: 4.AUG.2021 10:56:44

10M, QPSK, Middle Channel

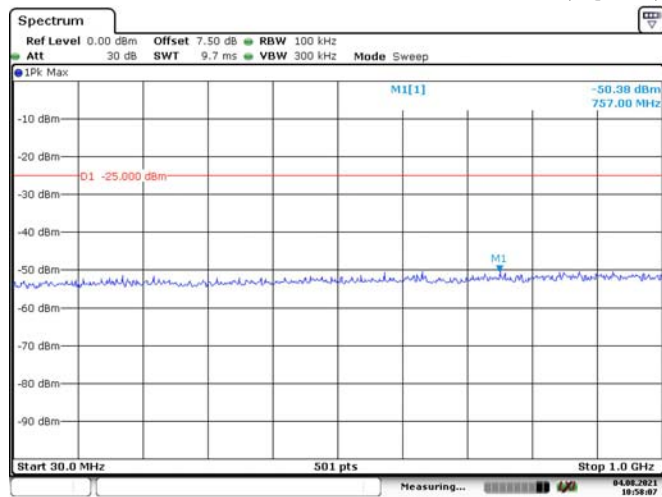


Date: 4.AUG.2021 10:57:12

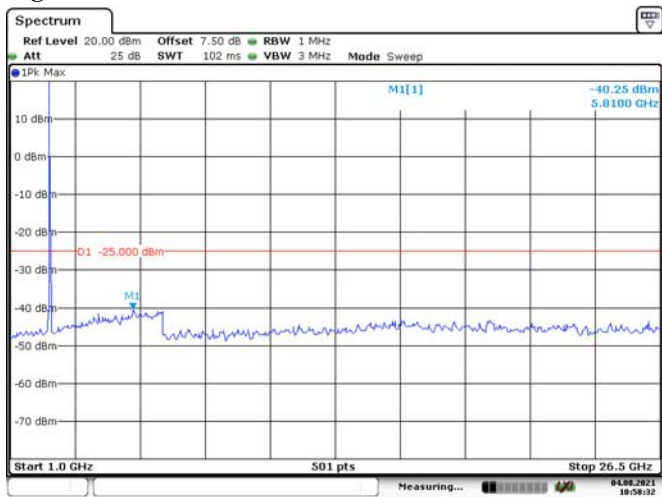


Date: 4.AUG.2021 10:57:40

10M, QPSK, High Channel

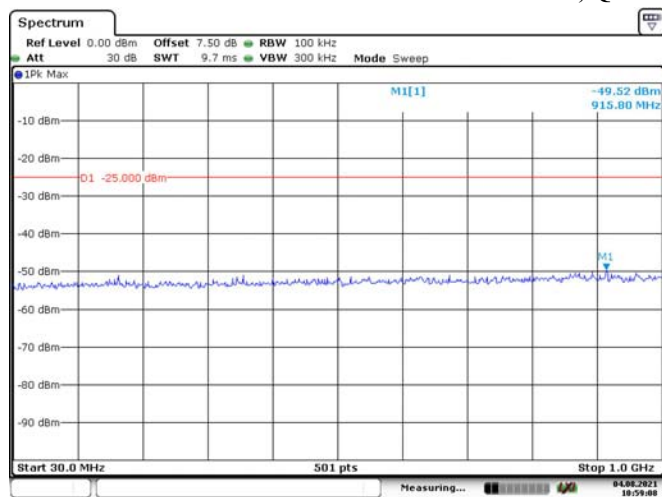


Date: 4.AUG.2021 10:58:07

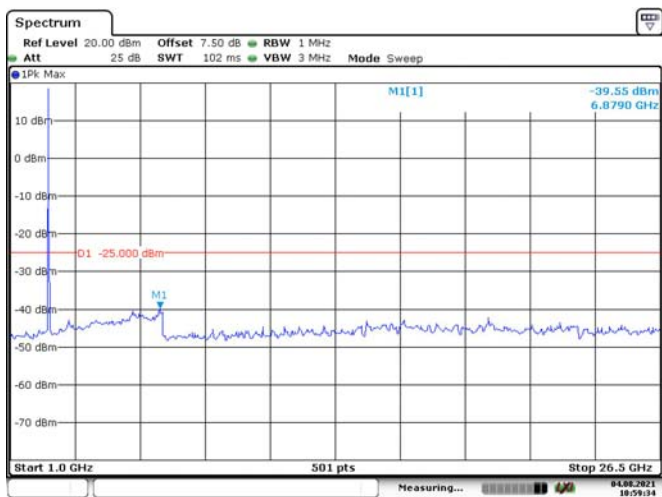


Date: 4.AUG.2021 10:58:32

15M, QPSK, Low Channel

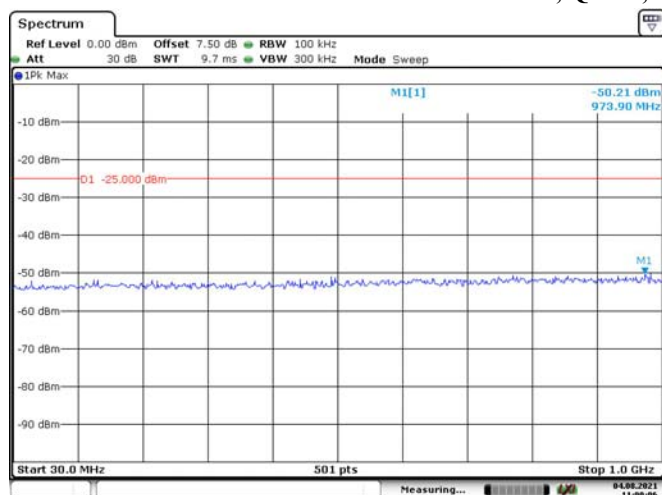


Date: 4.AUG.2021 10:59:09

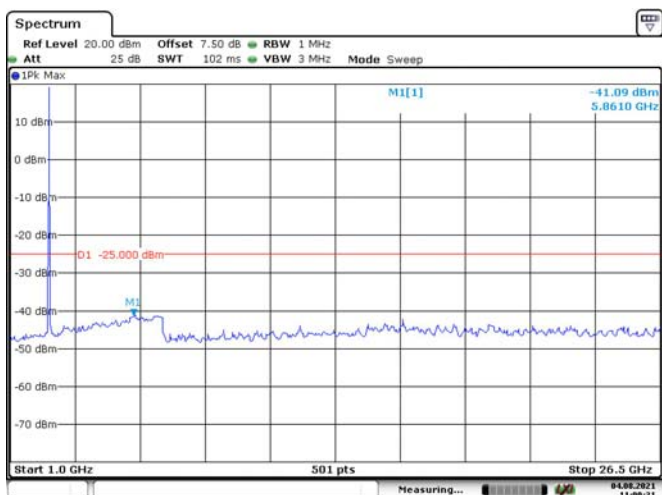


Date: 4.AUG.2021 10:59:34

15M, QPSK, Middle Channel

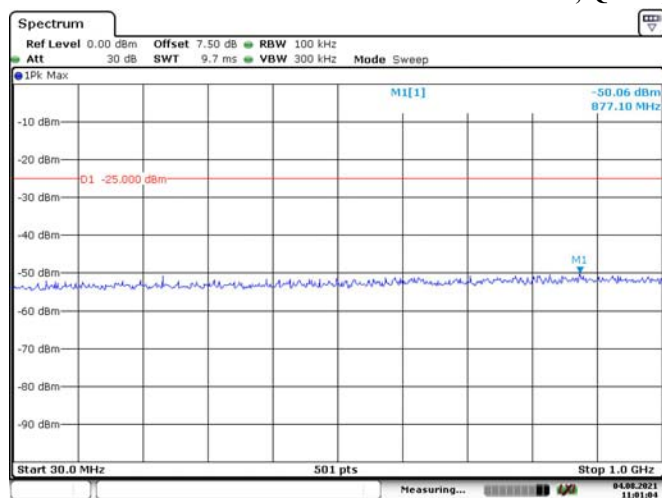


Date: 4.AUG.2021 11:00:07

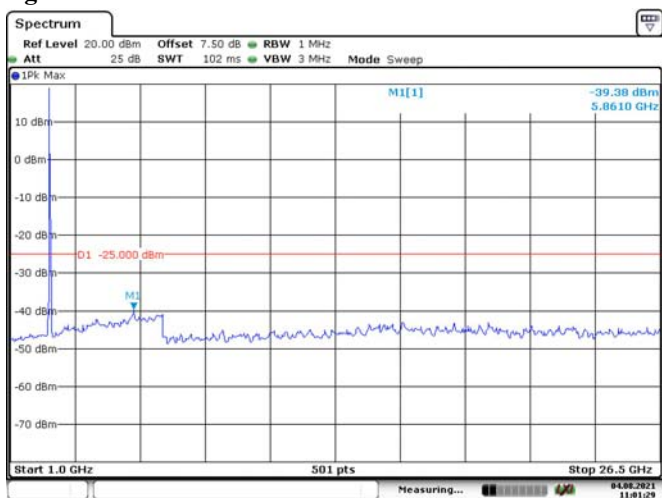


Date: 4.AUG.2021 11:00:32

15M, QPSK, High Channel

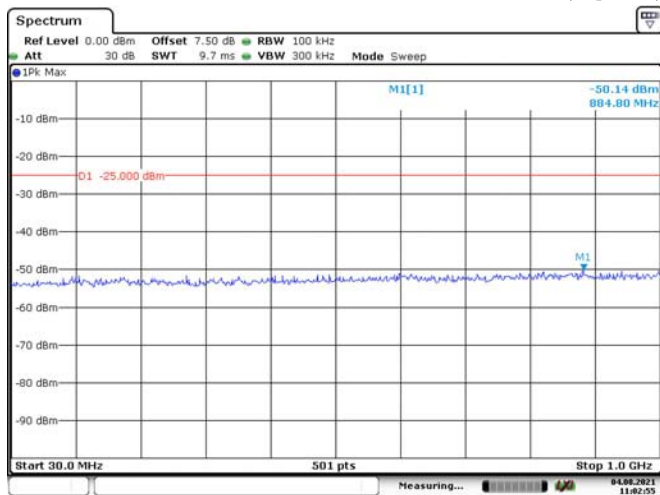


Date: 4.AUG.2021 11:01:04

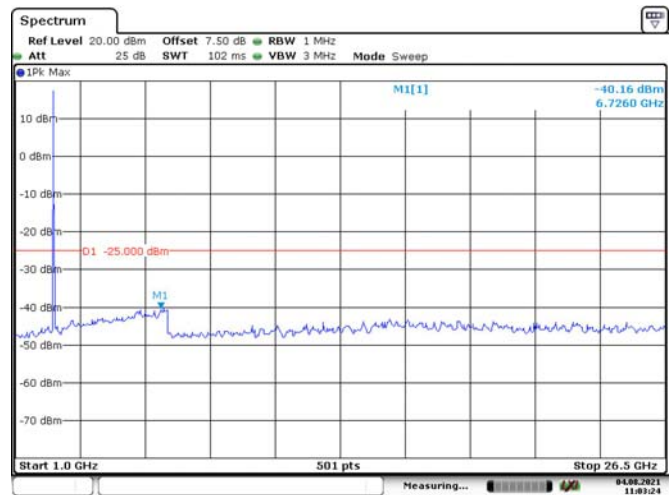


Date: 4.AUG.2021 11:01:29

20M, QPSK, Low Channel

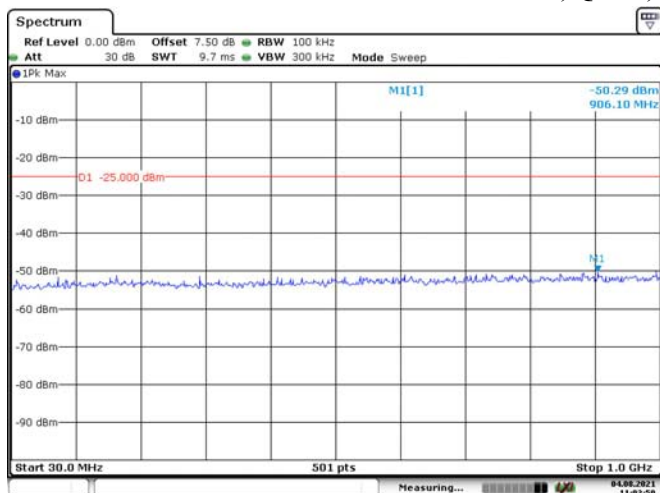


Date: 4.AUG.2021 11:02:56

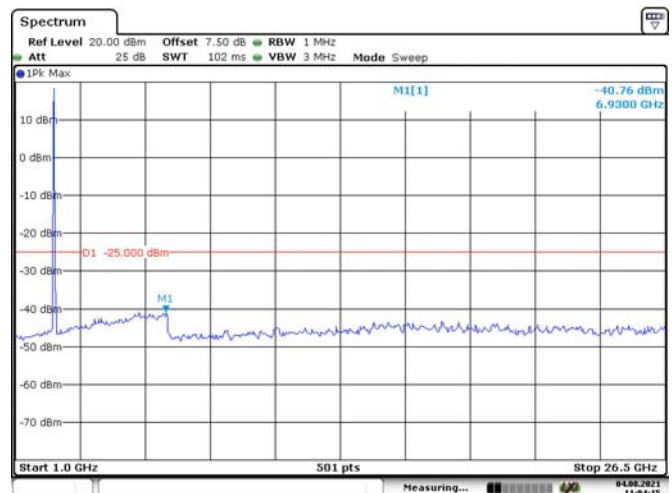


Date: 4.AUG.2021 11:03:24

20M, QPSK, Middle Channel

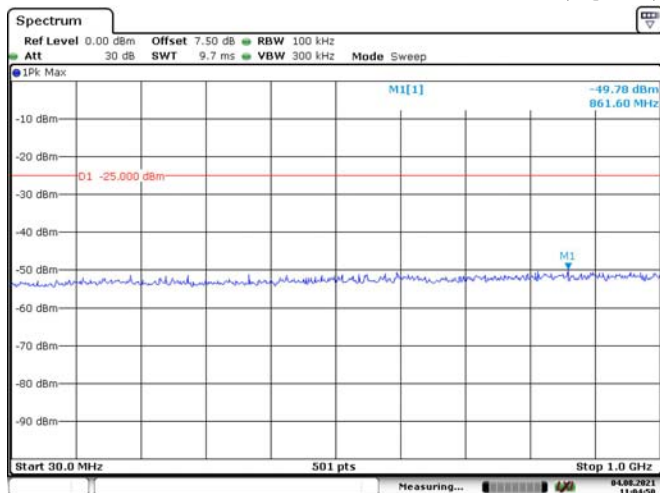


Date: 4.AUG.2021 11:03:50

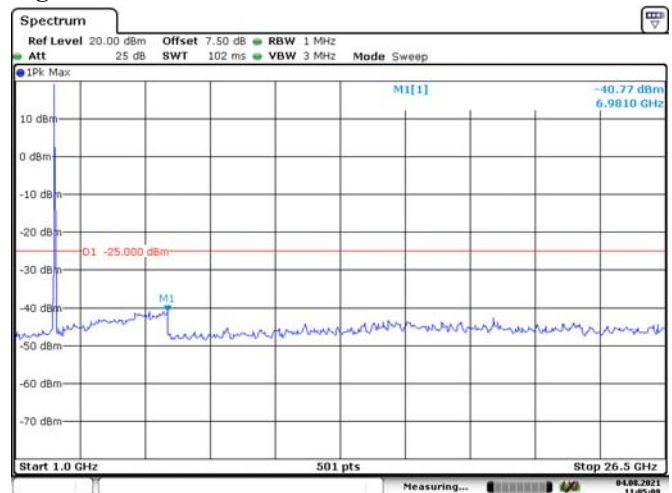


Date: 4.AUG.2021 11:04:16

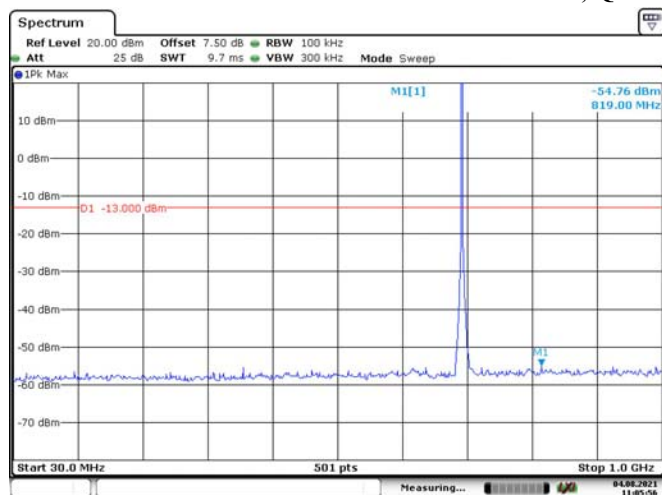
20M, QPSK, High Channel



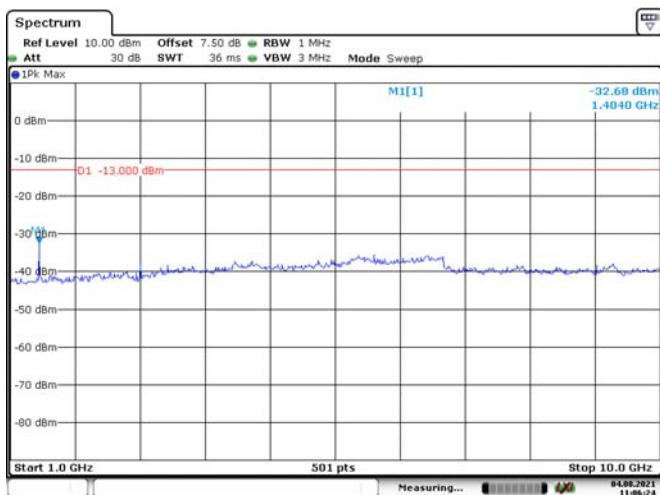
Date: 4.AUG.2021 11:04:51



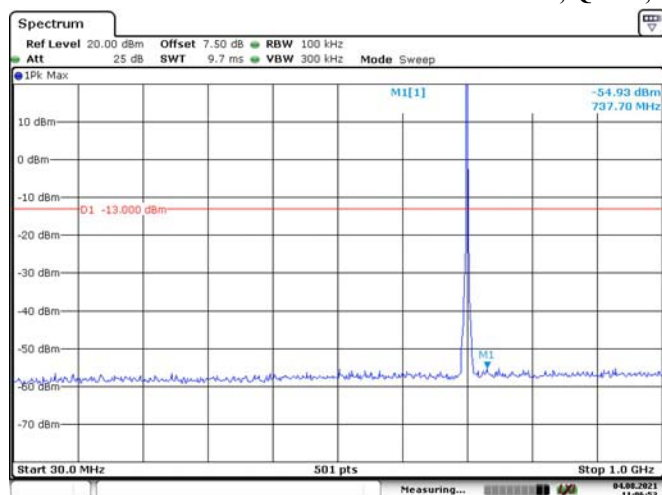
Date: 4.AUG.2021 11:05:10

LTE Band 12:**1.4M, QPSK, Low Channel**

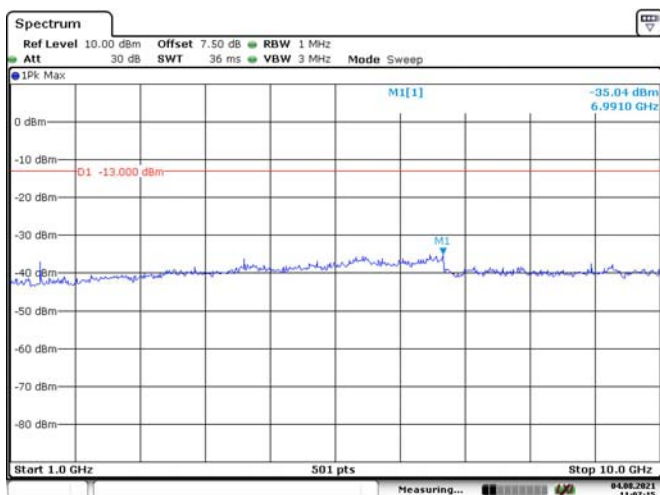
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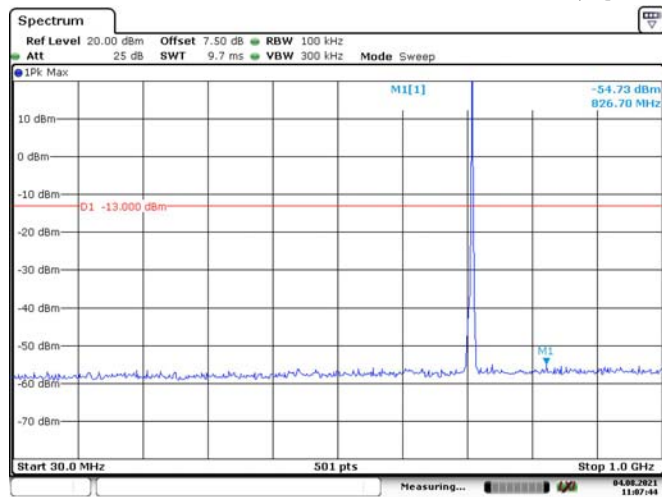
Date: 4.AUG.2021 11:06:24

1.4M, QPSK, Middle Channel

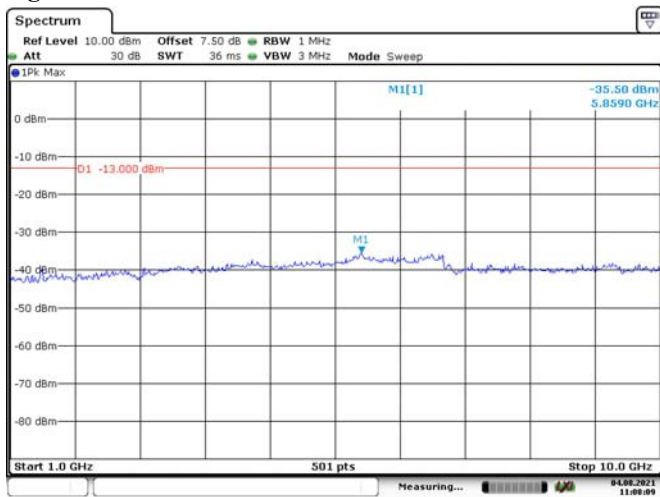
Date: 4.AUG.2021 11:06:54



Date: 4.AUG.2021 11:07:15

1.4M, QPSK, High Channel

Date: 4.AUG.2021 11:07:44



Date: 4.AUG.2021 11:08:09