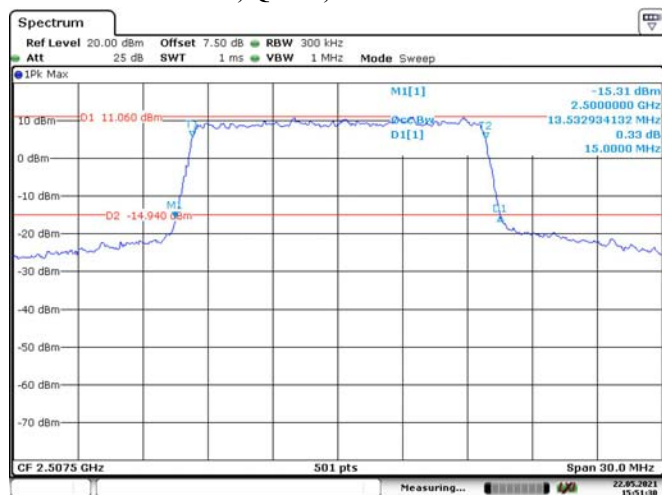
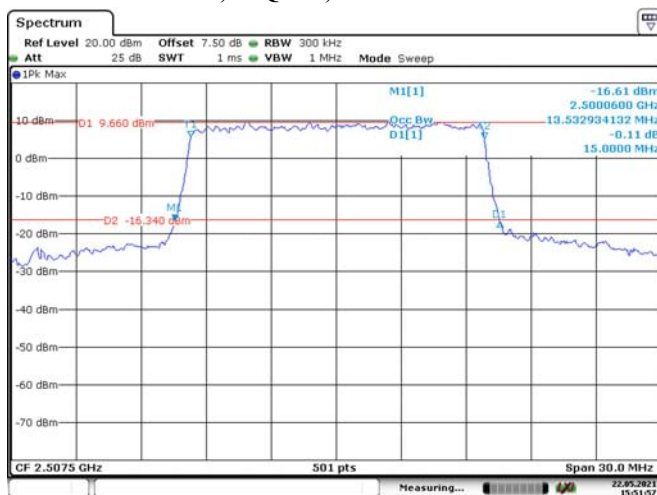


15M, QPSK, Low Channel



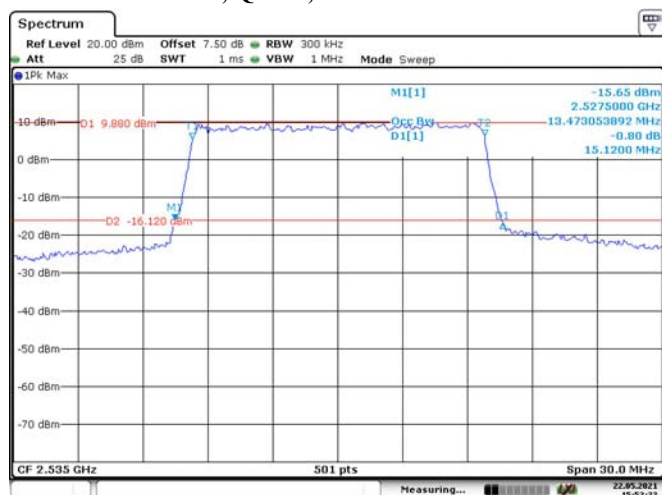
Date: 22.MAY.2021 15:51:30

15M, 16QAM, Low Channel



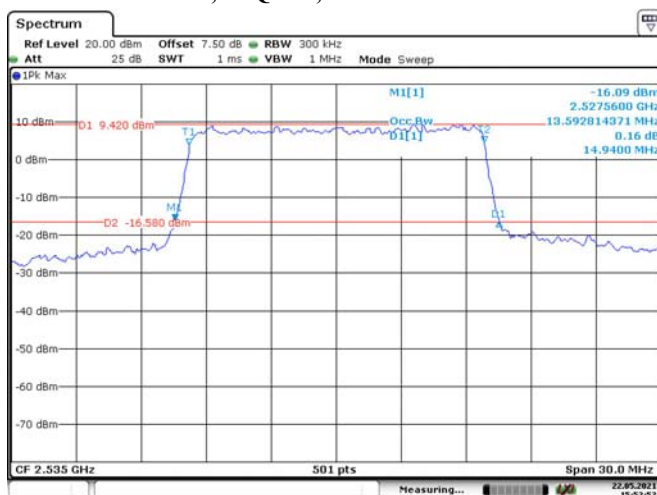
Date: 22.MAY.2021 15:51:57

15M, QPSK, Middle Channel



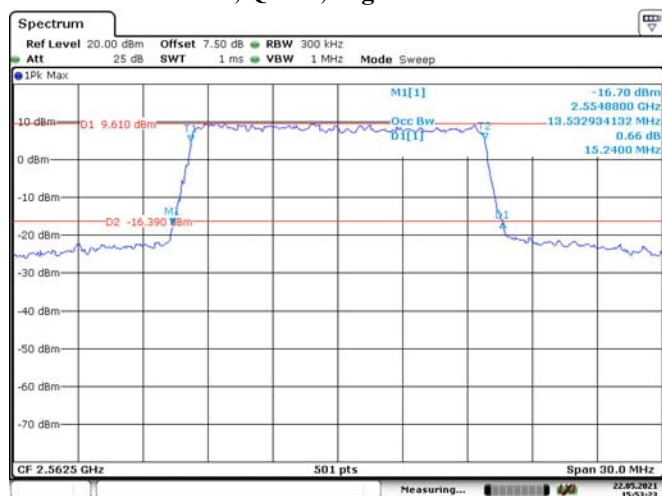
Date: 22.MAY.2021 15:52:22

15M, 16QAM, Middle Channel



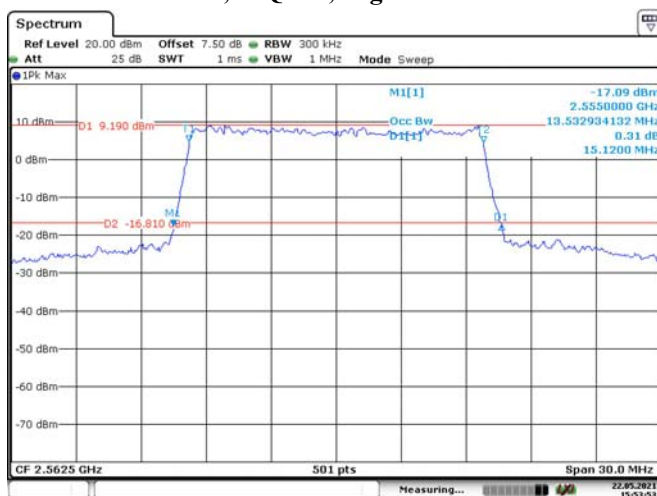
Date: 22.MAY.2021 15:52:52

15M, QPSK, High Channel



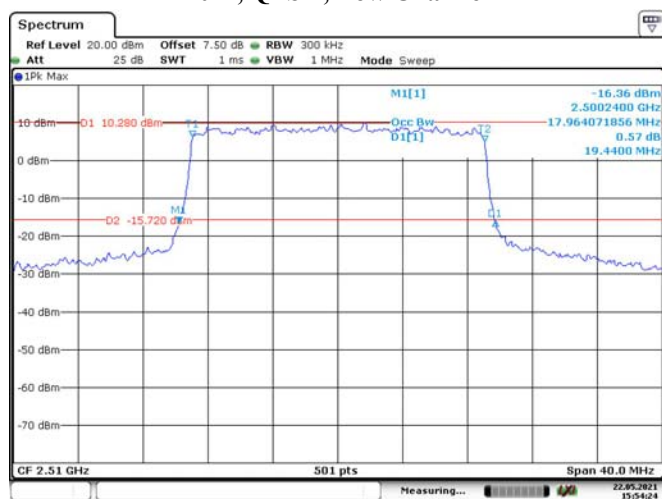
Date: 22.MAY.2021 15:53:23

15M, 16QAM, High Channel



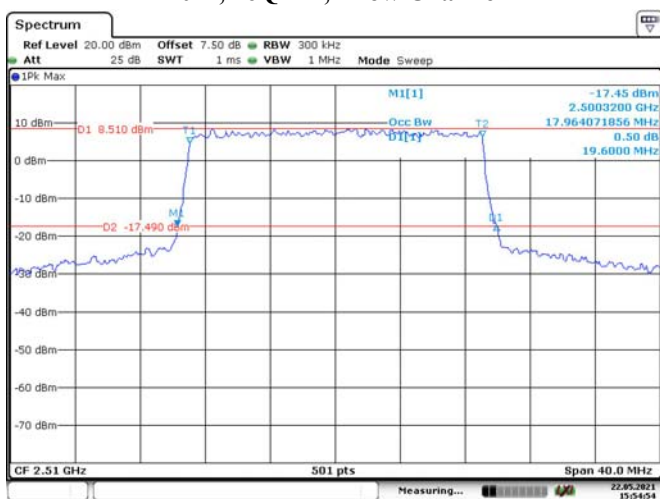
Date: 22.MAY.2021 15:53:53

20M, QPSK, Low Channel



Date: 22.MAY.2021 15:54:24

20M, 16QAM, Low Channel



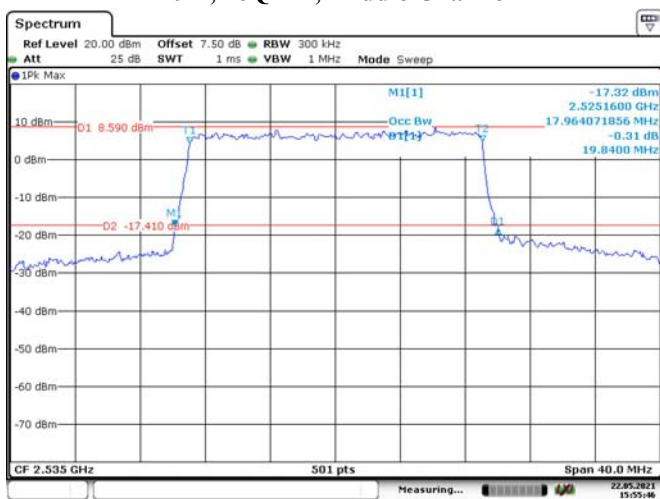
Date: 22.MAY.2021 15:54:54

20M, QPSK, Middle Channel



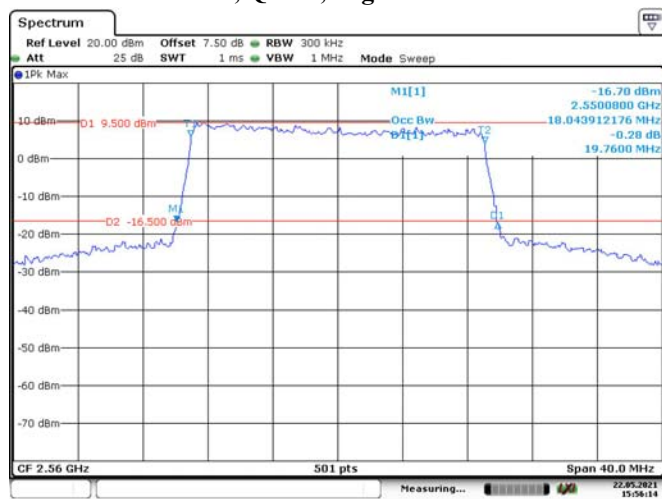
Date: 22.MAY.2021 15:55:22

20M, 16QAM, Middle Channel



Date: 22.MAY.2021 15:55:46

20M, QPSK, High Channel

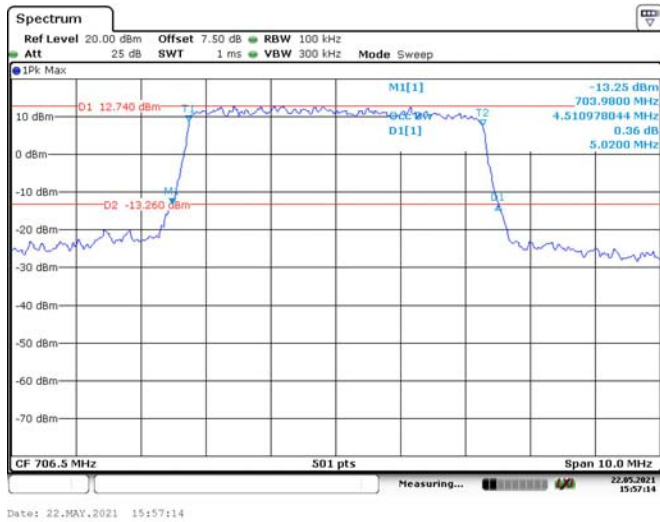
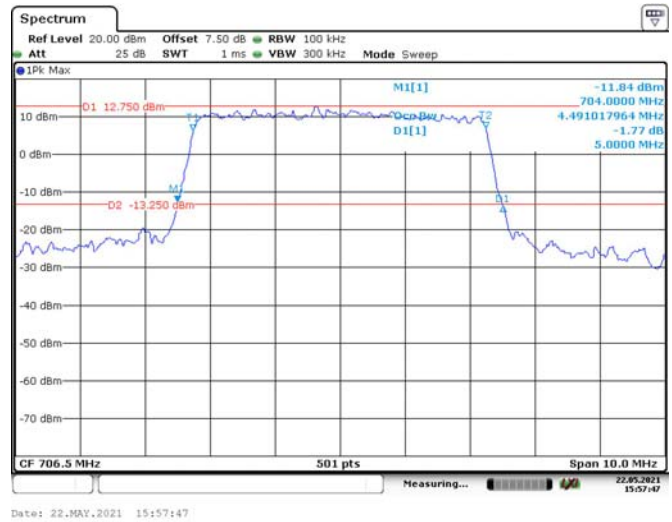
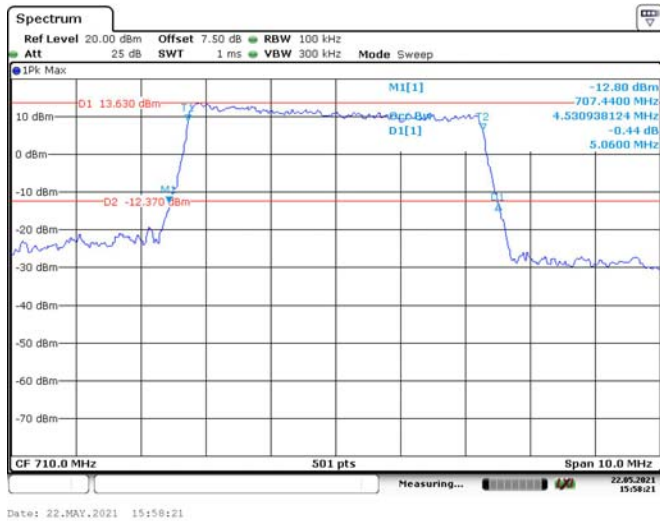
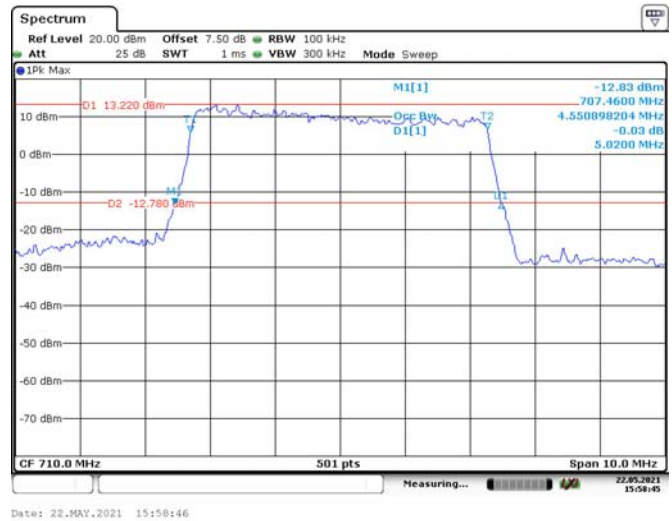
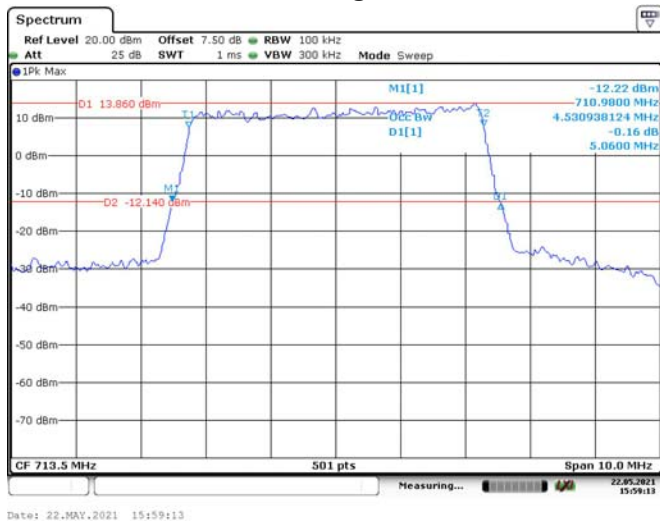
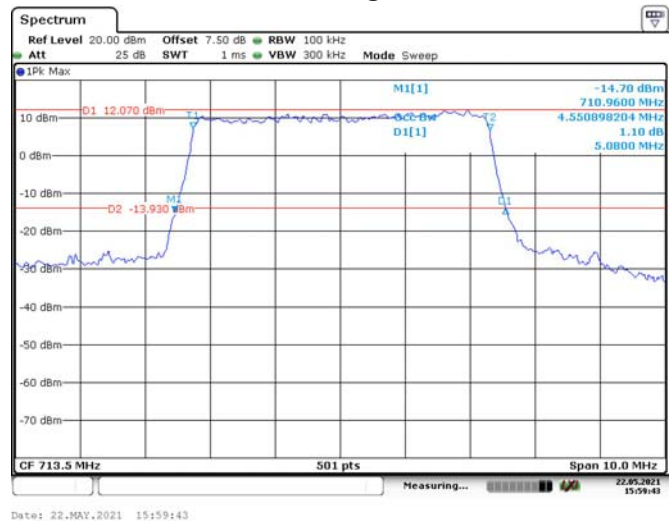


Date: 22.MAY.2021 15:56:14

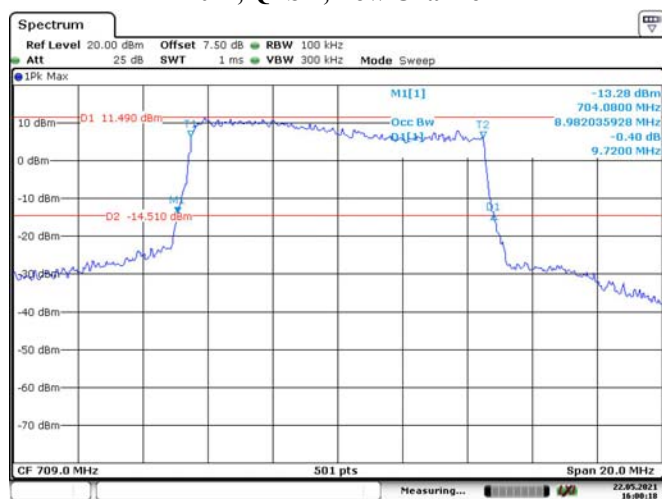
20M, 16QAM, High Channel



Date: 22.MAY.2021 15:56:41

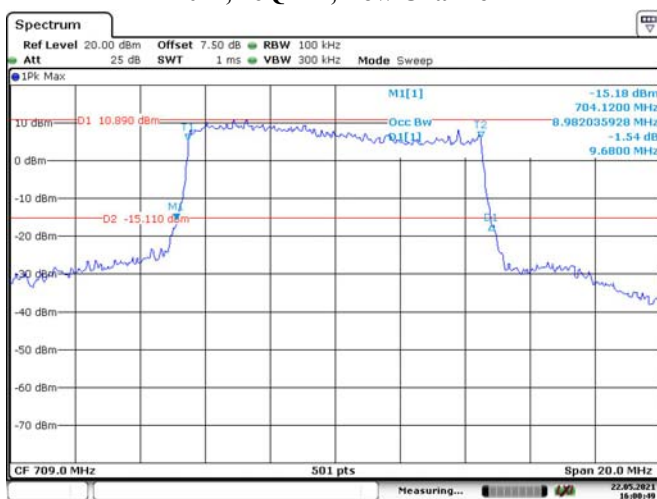
LTE Band 17:**5M, QPSK, Low Channel****5M, 16QAM, Low Channel****5M, QPSK, Middle Channel****5M, 16QAM, Middle Channel****5M, QPSK, High Channel****5M, 16QAM, High Channel**

10M, QPSK, Low Channel



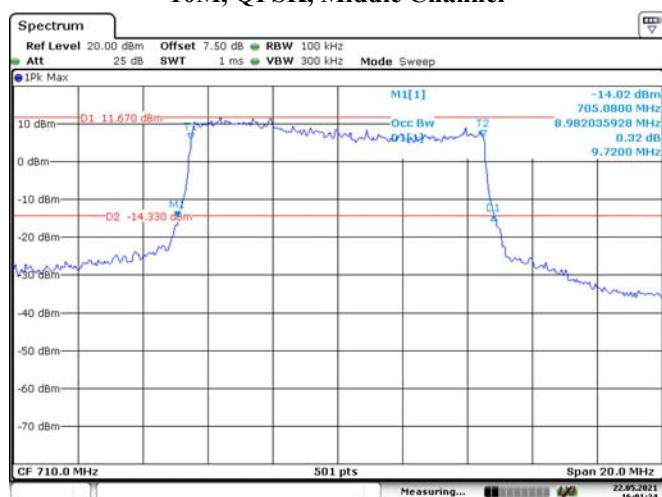
Date: 22.MAY.2021 16:00:18

10M, 16QAM, Low Channel



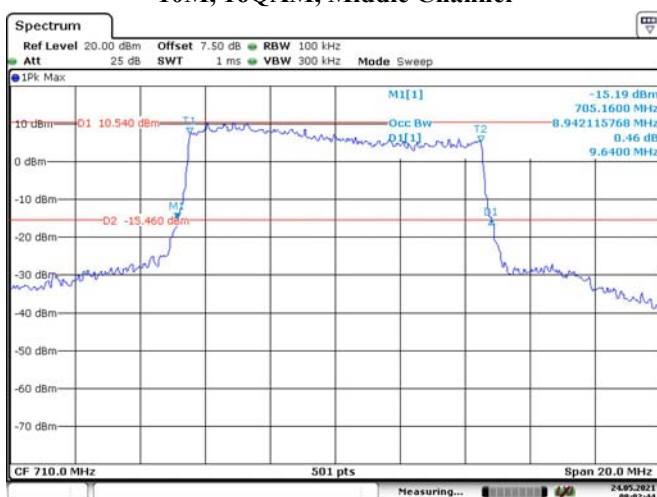
Date: 22.MAY.2021 16:00:49

10M, QPSK, Middle Channel



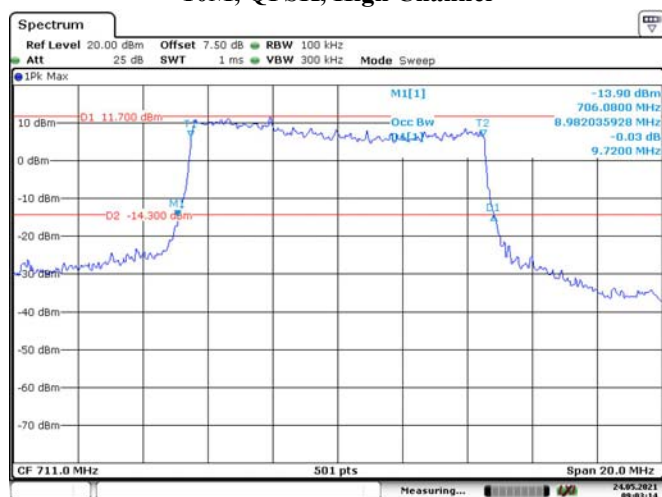
Date: 22.MAY.2021 16:01:24

10M, 16QAM, Middle Channel



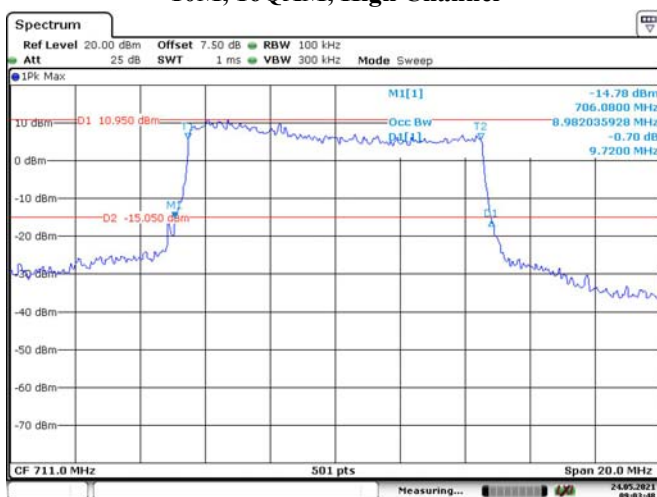
Date: 24.MAY.2021 09:02:44

10M, QPSK, High Channel

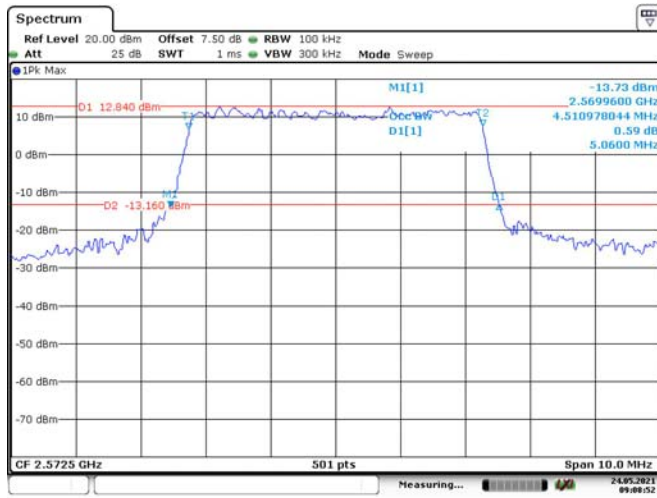


Date: 24.MAY.2021 09:03:14

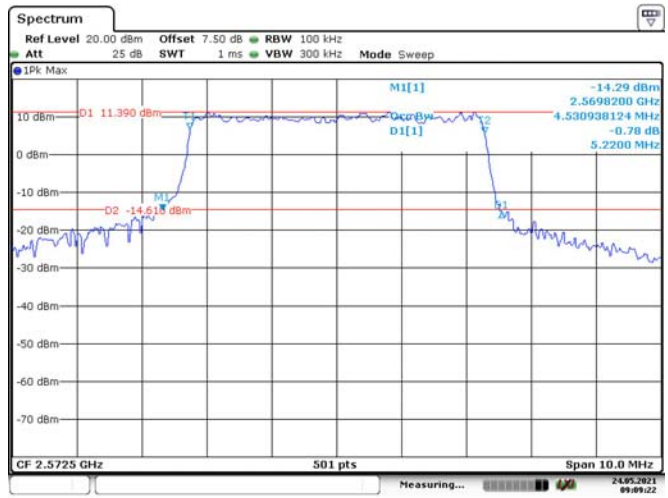
10M, 16QAM, High Channel



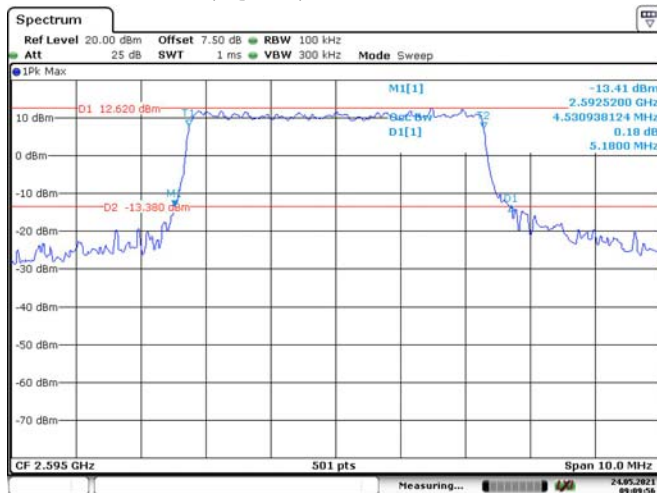
Date: 24.MAY.2021 09:03:48

LTE Band 38:**5M, QPSK, Low Channel**

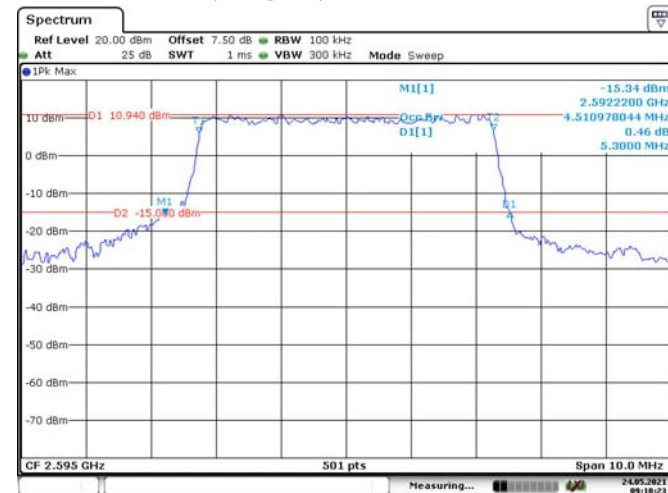
Date: 24.MAY.2021 09:09:53

5M, 16QAM, Low Channel

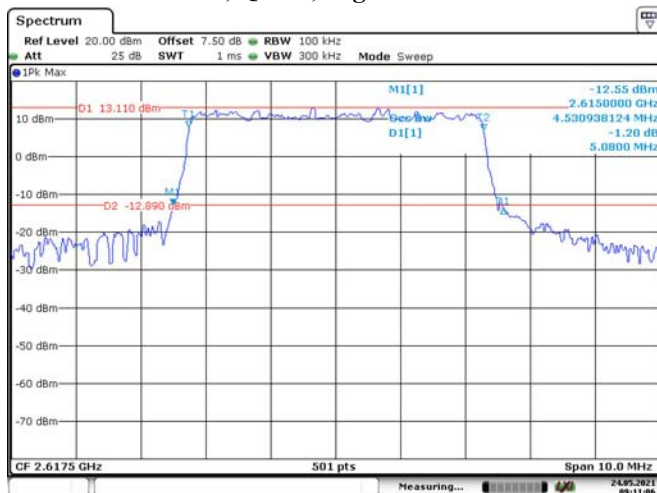
Date: 24.MAY.2021 09:09:23

5M, QPSK, Middle Channel

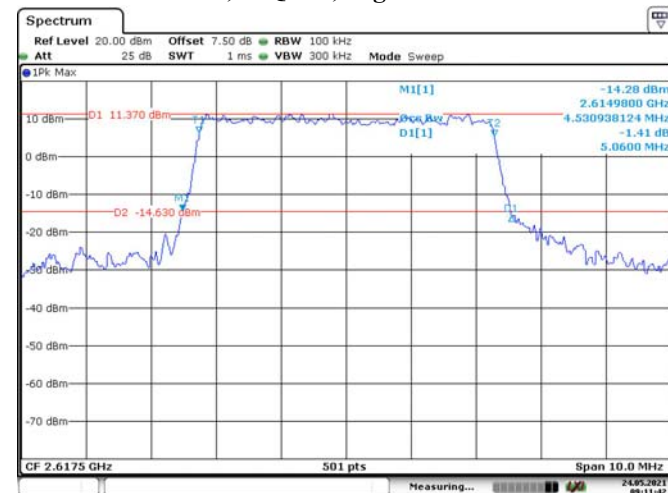
Date: 24.MAY.2021 09:09:56

5M, 16QAM, Middle Channel

Date: 24.MAY.2021 09:10:23

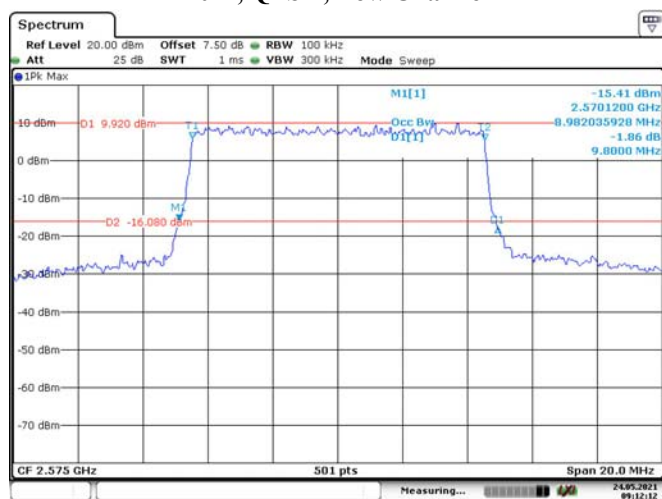
5M, QPSK, High Channel

Date: 24.MAY.2021 09:11:06

5M, 16QAM, High Channel

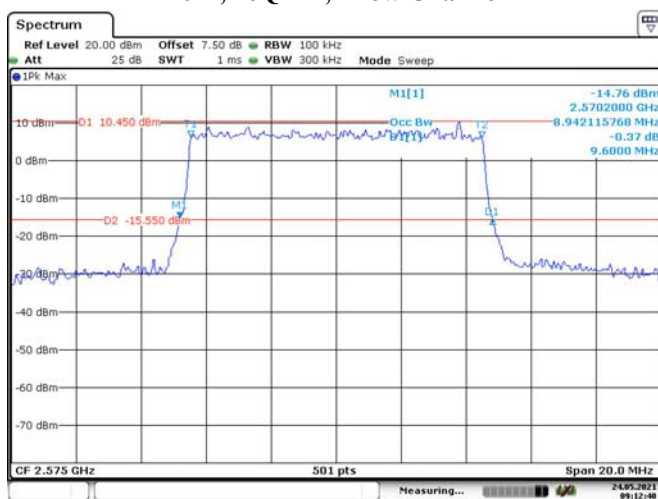
Date: 24.MAY.2021 09:11:42

10M, QPSK, Low Channel



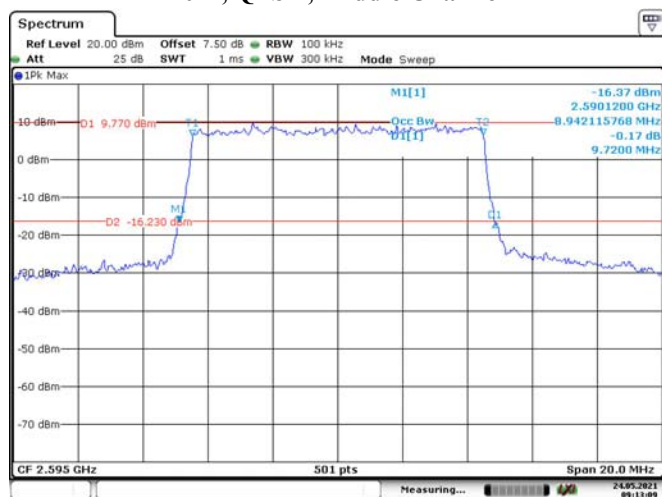
Date: 24.MAY.2021 09:12:13

10M, 16QAM, Low Channel



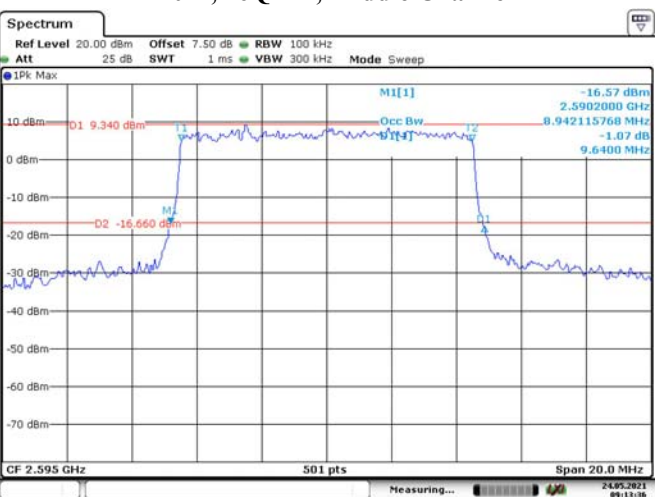
Date: 24.MAY.2021 09:12:40

10M, QPSK, Middle Channel



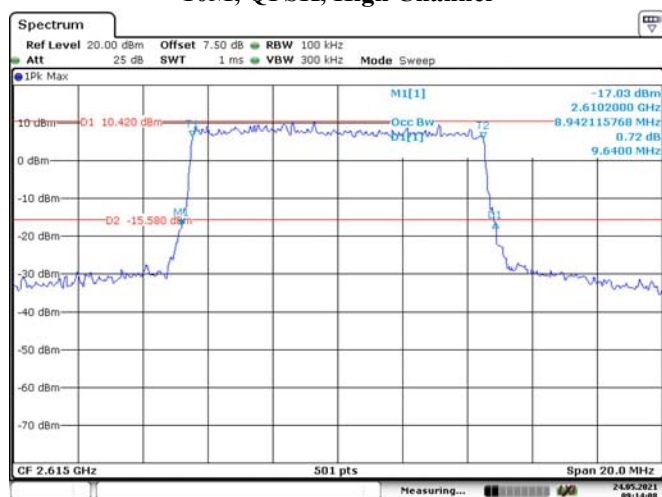
Date: 24.MAY.2021 09:13:09

10M, 16QAM, Middle Channel



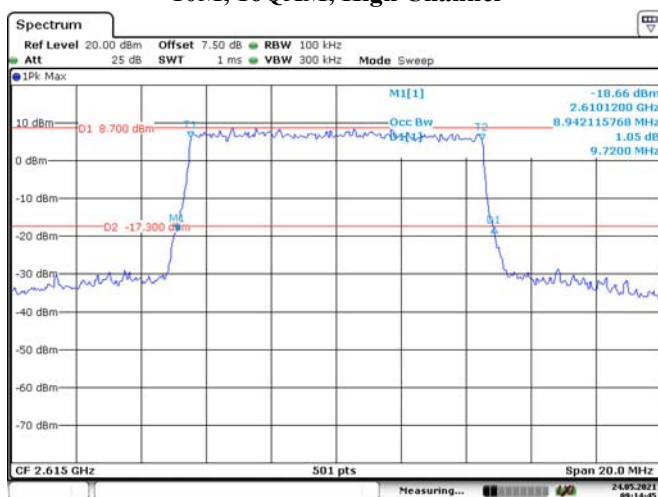
Date: 24.MAY.2021 09:13:37

10M, QPSK, High Channel



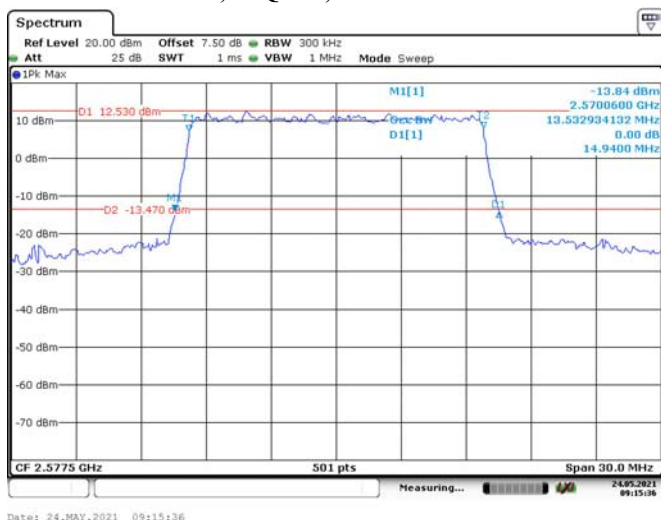
Date: 24.MAY.2021 09:14:08

10M, 16QAM, High Channel

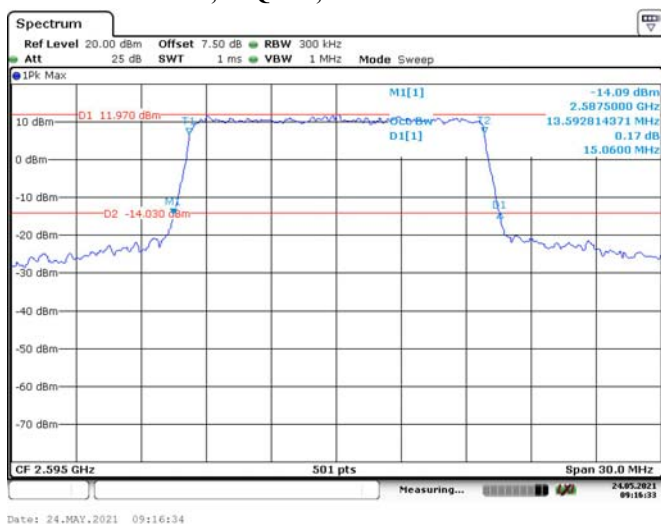


Date: 24.MAY.2021 09:14:45

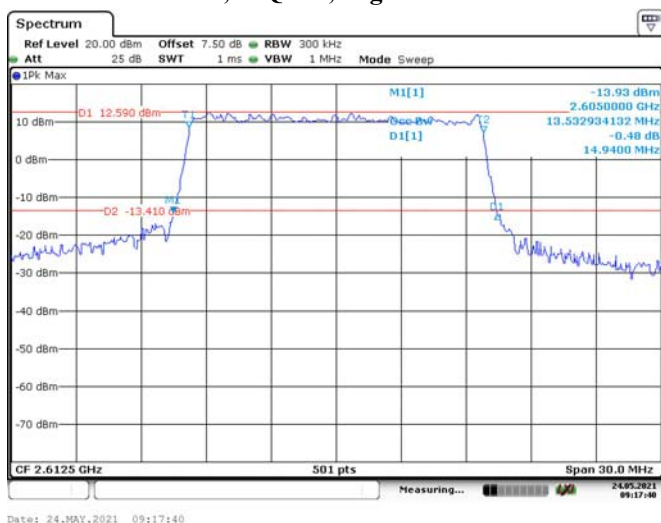
15M, 16QAM, Low Channel



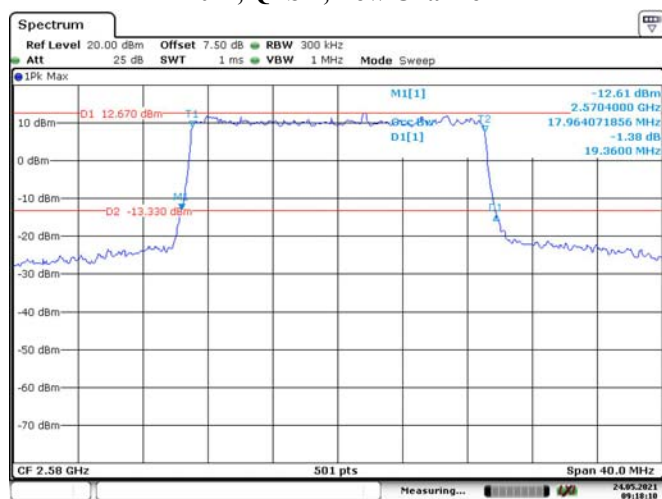
15M, 16QAM, Middle Channel



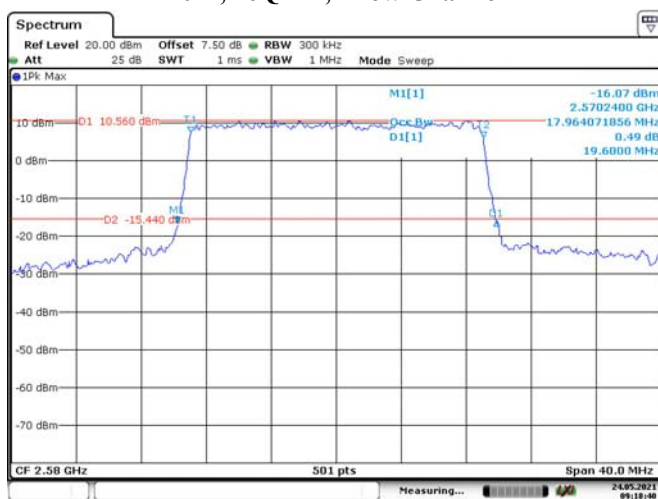
15M, 16QAM, High Channel



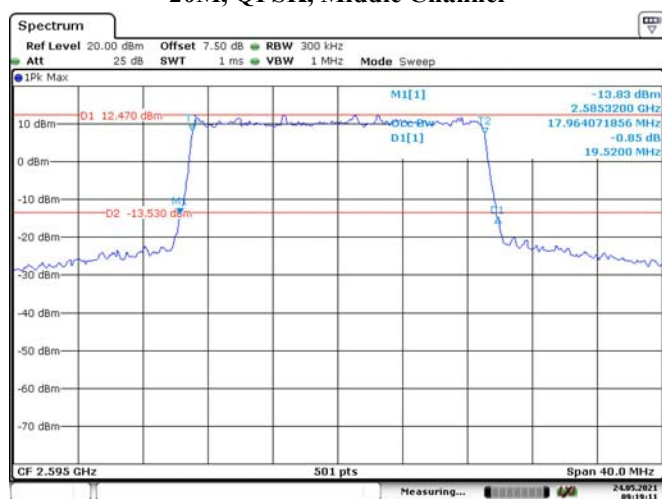
20M, QPSK, Low Channel



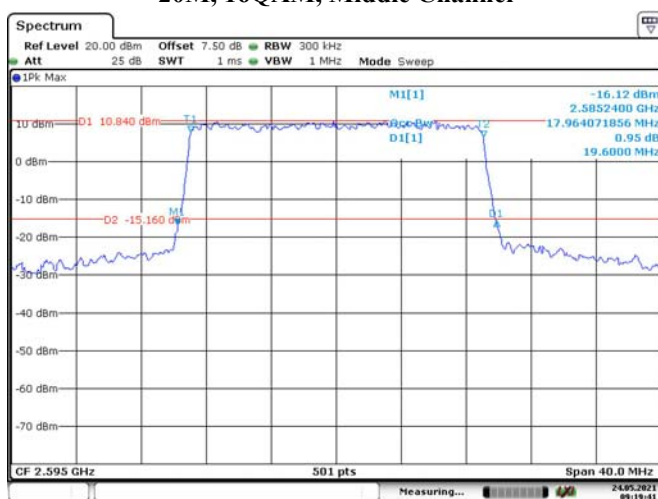
20M, 16QAM, Low Channel



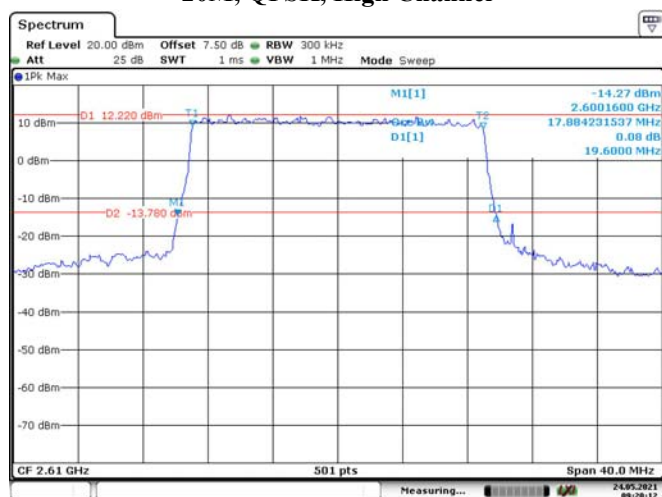
20M, QPSK, Middle Channel



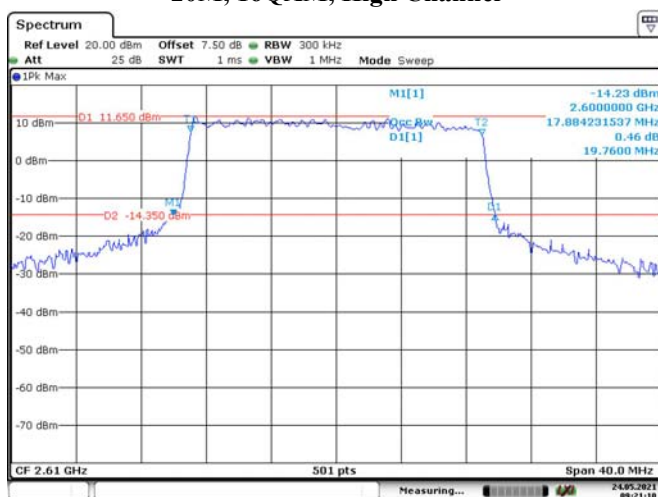
20M, 16QAM, Middle Channel

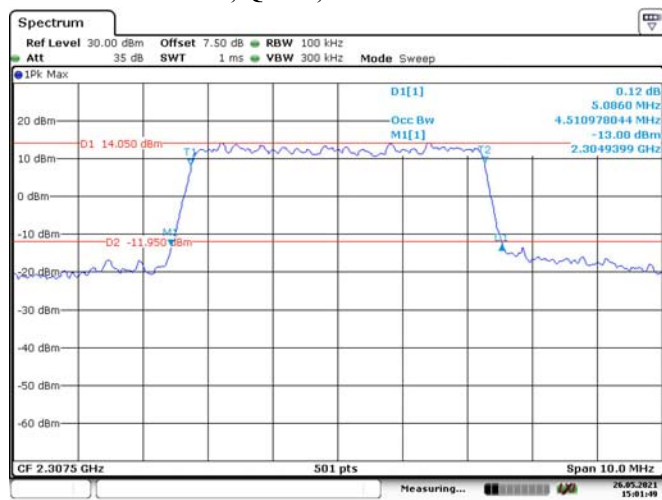


20M, QPSK, High Channel

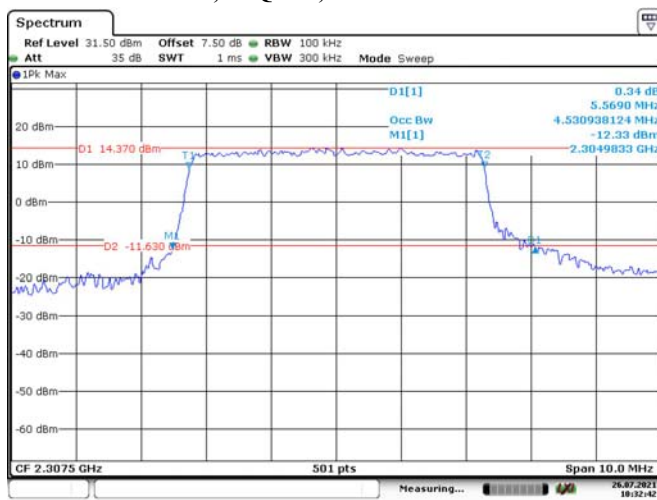


20M, 16QAM, High Channel

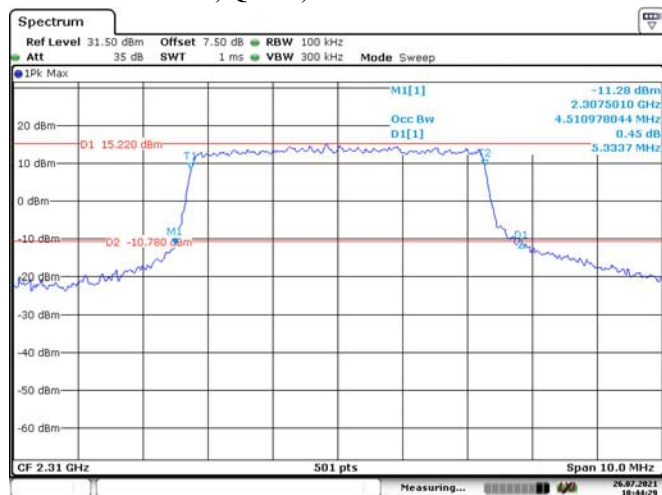


**LTE Band 40 Lower:
5M, QPSK, Low Channel**

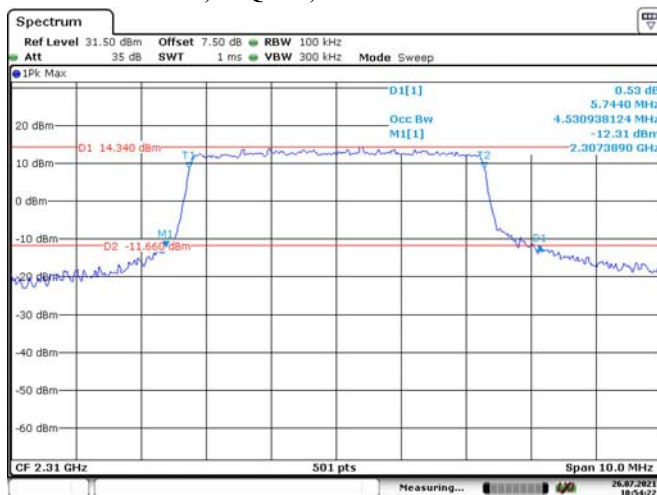
Date: 26.MAY.2021 15:01:50

5M, 16QAM, Low Channel

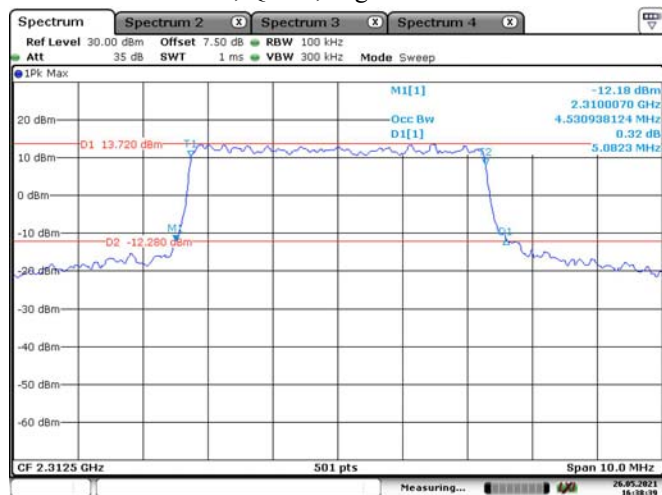
Date: 26.JUL.2021 10:32:43

5M, QPSK, Middle Channel

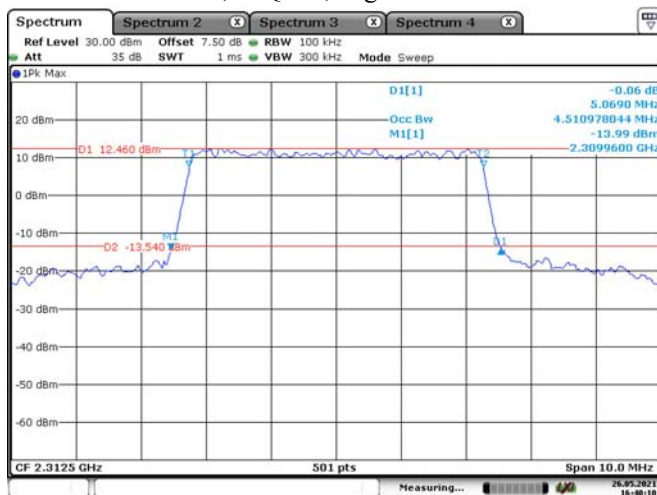
Date: 26.JUL.2021 10:44:29

5M, 16QAM, Middle Channel

Date: 26.JUL.2021 10:54:22

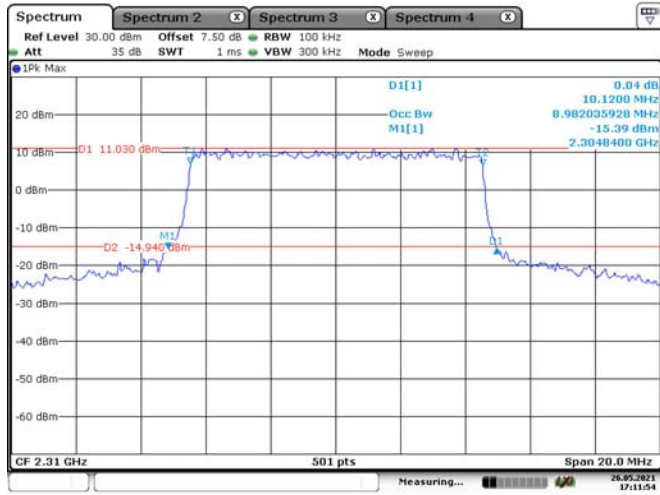
5M, QPSK, High Channel

Date: 26.MAY.2021 16:38:39

5M, 16QAM, High Channel

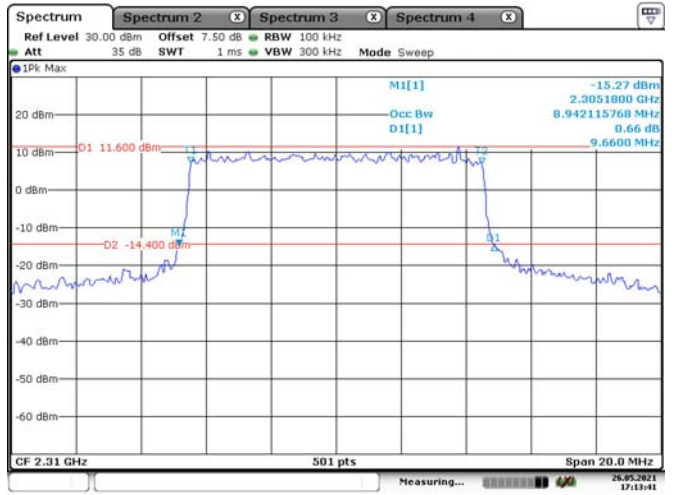
Date: 26.MAY.2021 16:40:10

10M, QPSK, Middle Channel

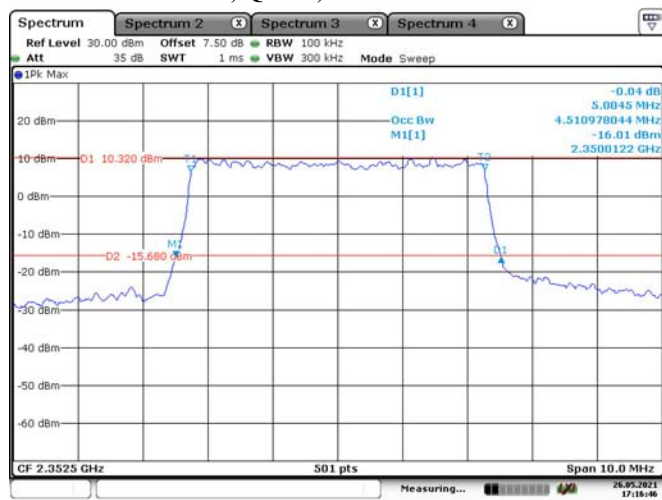


Date: 26.MAY.2021 17:11:54

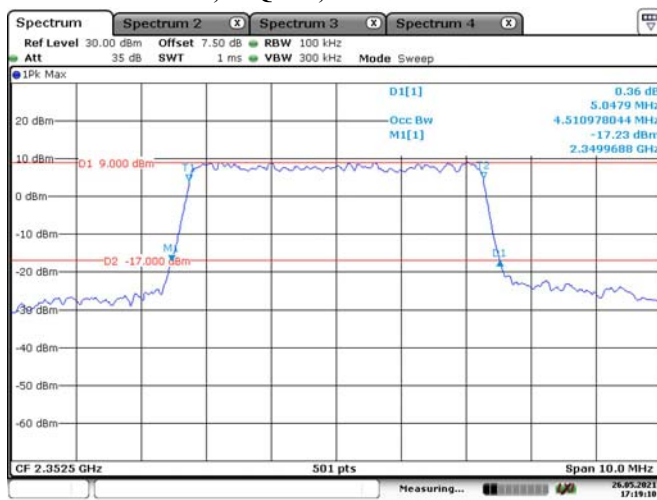
10M, 16QAM, Middle Channel



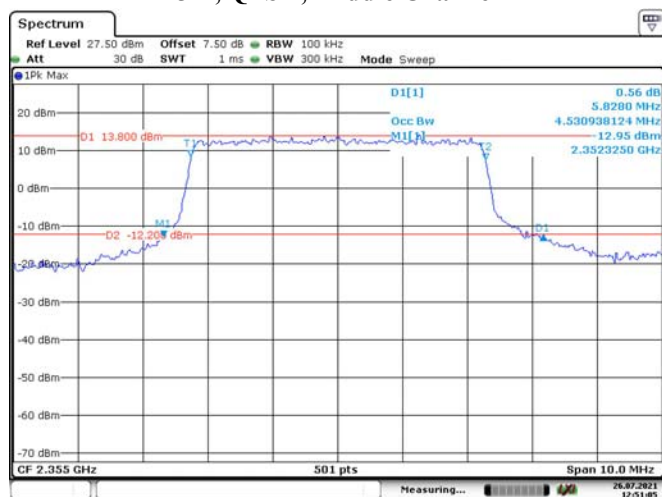
Date: 26.MAY.2021 17:13:41

**LTE Band 40 Upper:
5M, QPSK, Low Channel**

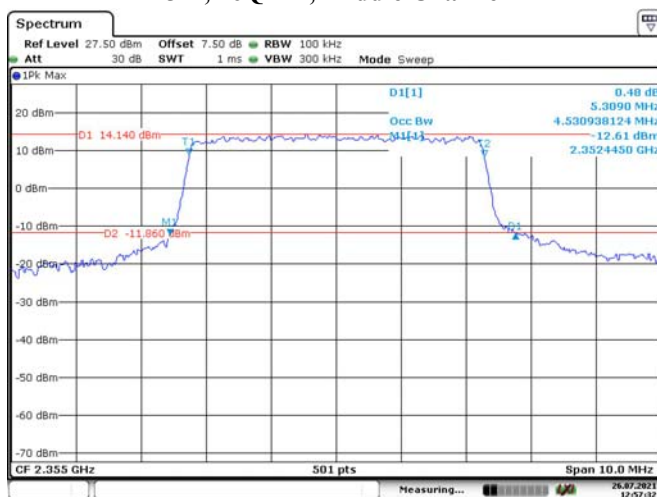
Date: 26.MAY.2021 17:16:46

5M, 16QAM, Low Channel

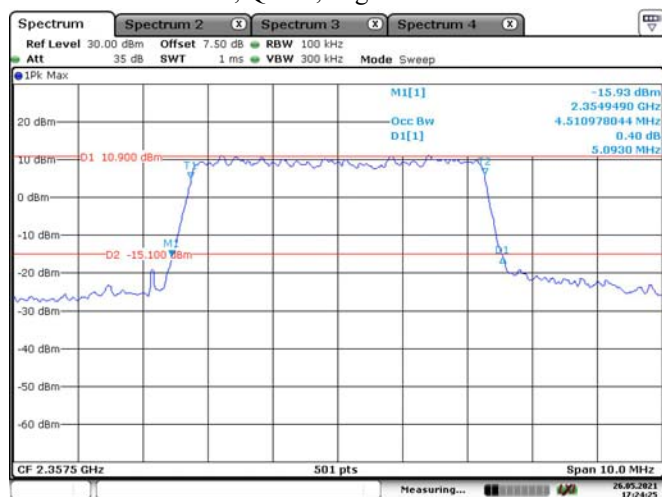
Date: 26.MAY.2021 17:19:10

5M, QPSK, Middle Channel

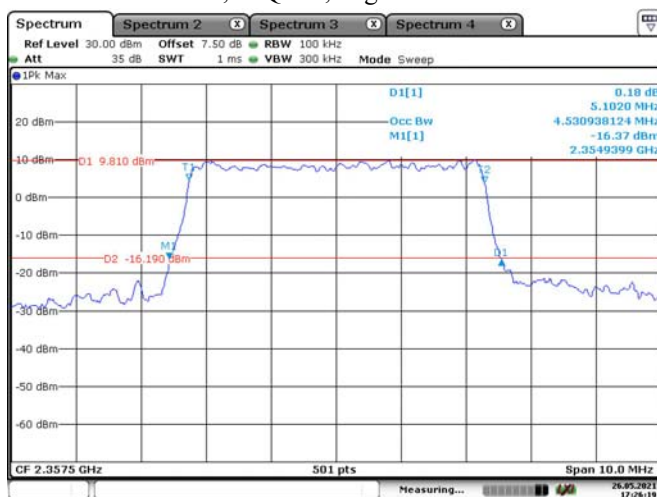
Date: 26.JUL.2021 12:51:05

5M, 16QAM, Middle Channel

Date: 26.JUL.2021 12:57:33

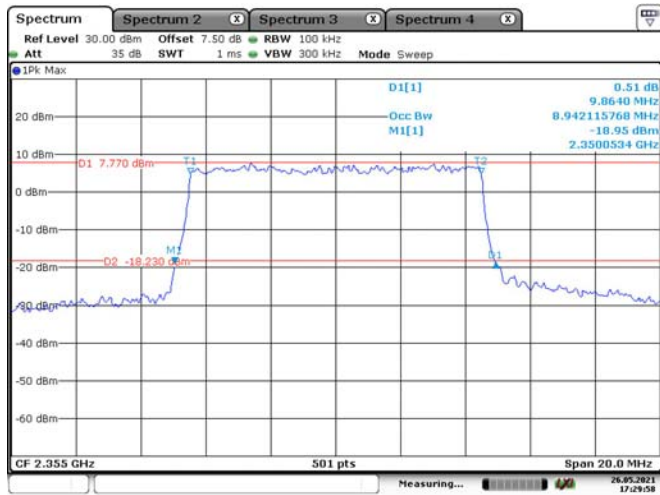
5M, QPSK, High Channel

Date: 26.MAY.2021 17:24:25

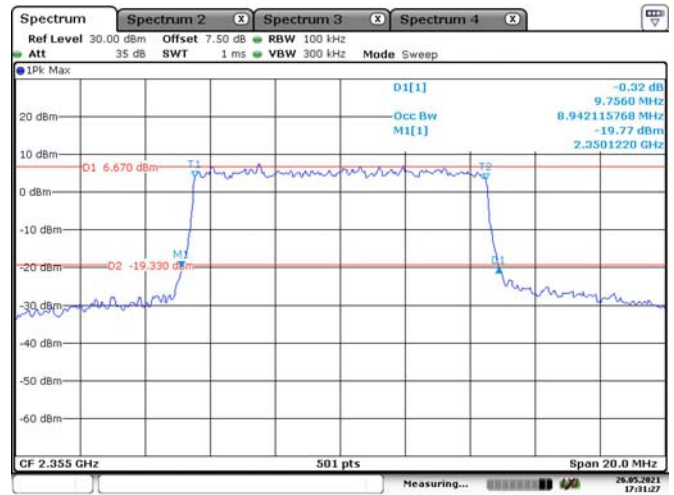
5M, 16QAM, High Channel

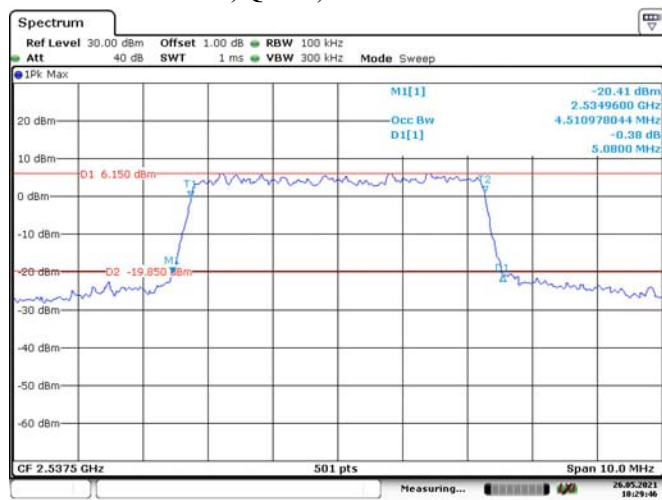
Date: 26.MAY.2021 17:26:20

10M, QPSK, Middle Channel

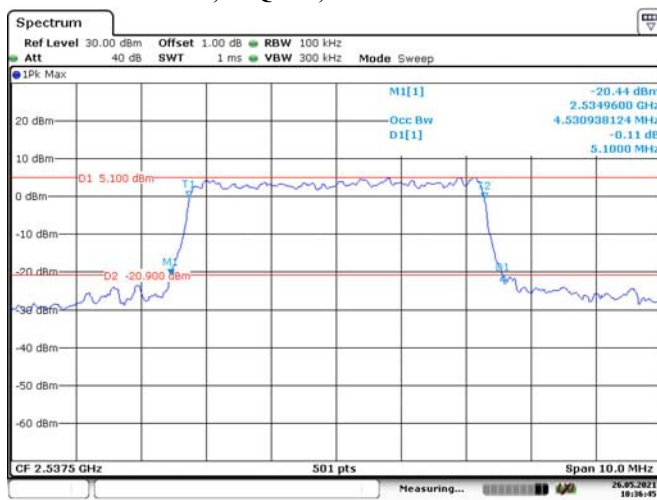


10M, 16QAM, Middle Channel

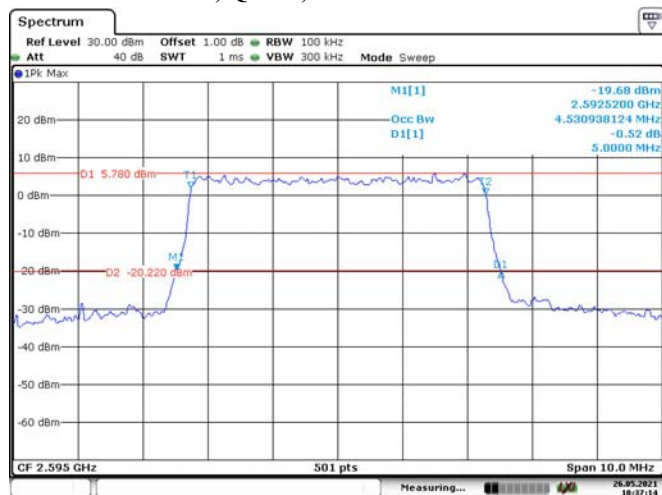


LTE Band 41:**5M, QPSK, Low Channel**

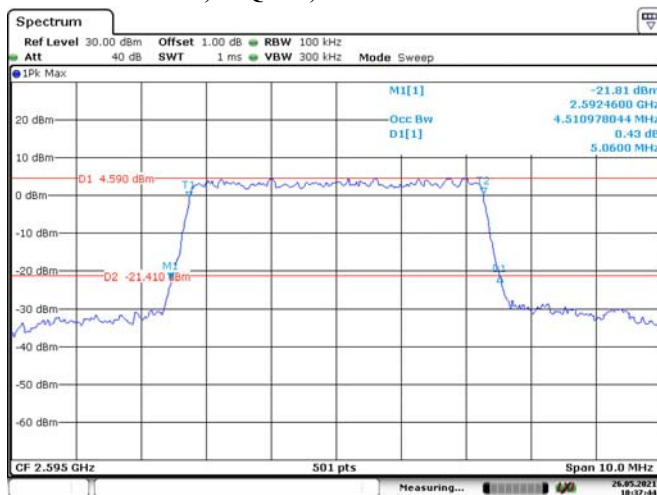
Date: 26.MAY.2021 10:29:46

5M, 16QAM, Low Channel

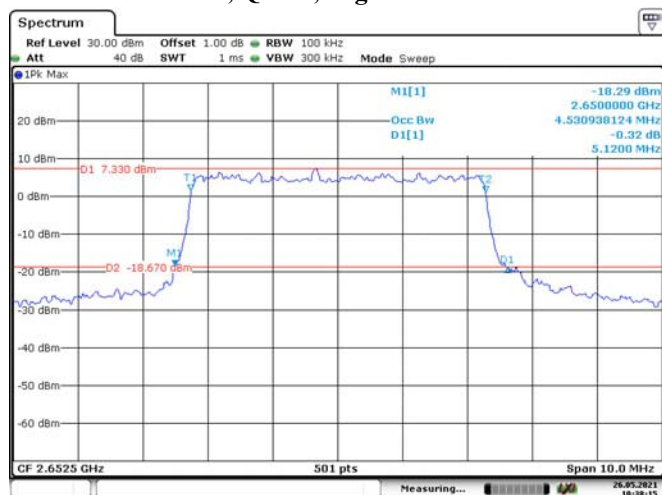
Date: 26.MAY.2021 10:36:45

5M, QPSK, Middle Channel

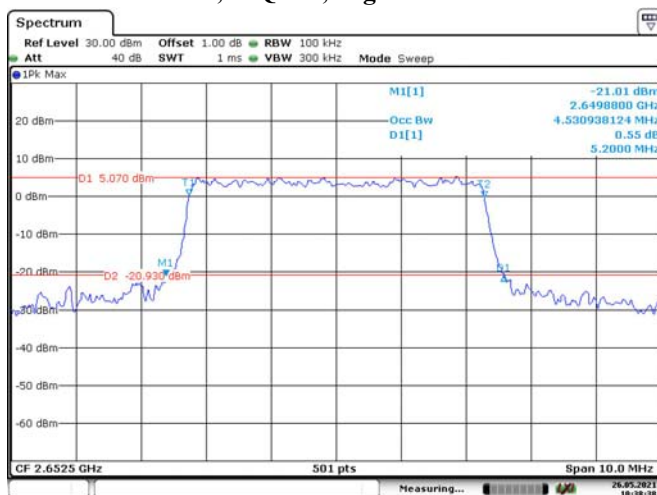
Date: 26.MAY.2021 10:37:14

5M, 16QAM, Middle Channel

Date: 26.MAY.2021 10:37:44

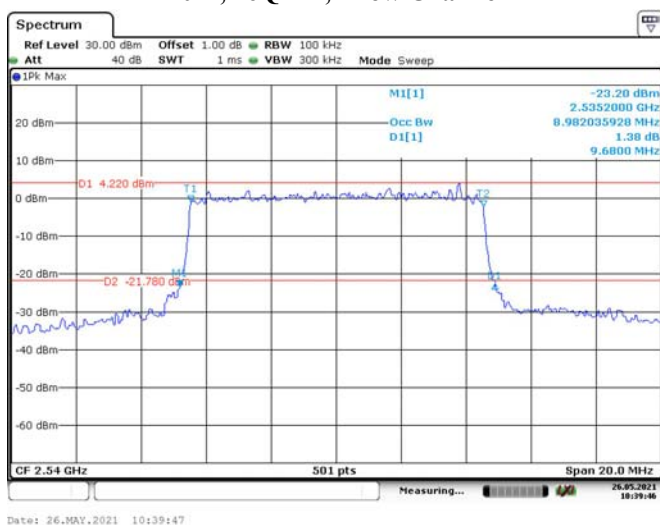
5M, QPSK, High Channel

Date: 26.MAY.2021 10:38:15

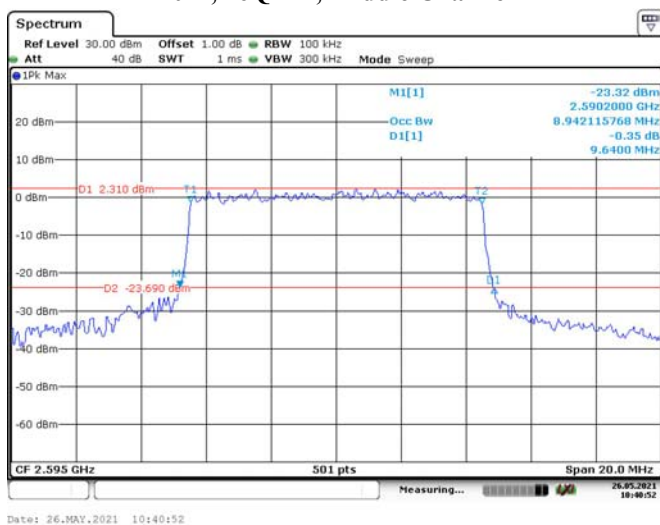
5M, 16QAM, High Channel

Date: 26.MAY.2021 10:38:36

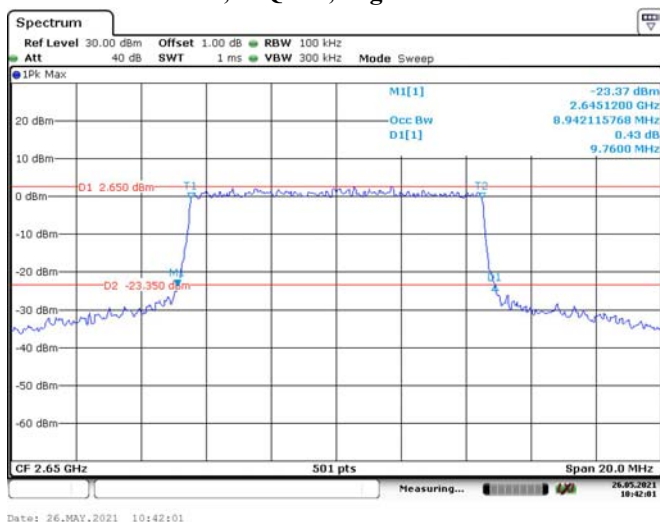
10M, 16QAM, Low Channel



10M, 16QAM, Middle Channel



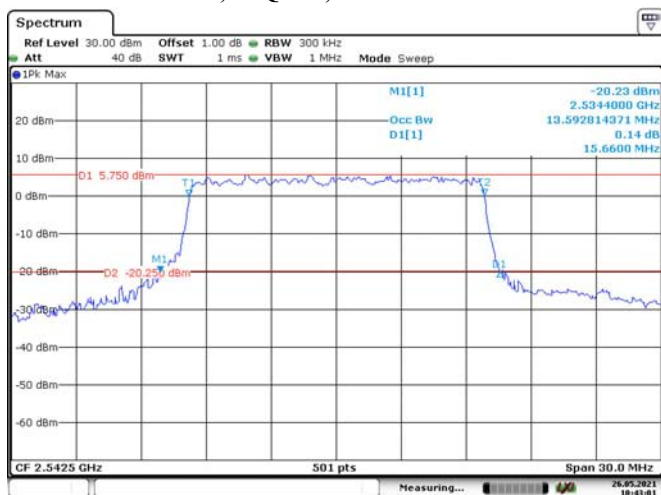
10M, 16QAM, High Channel



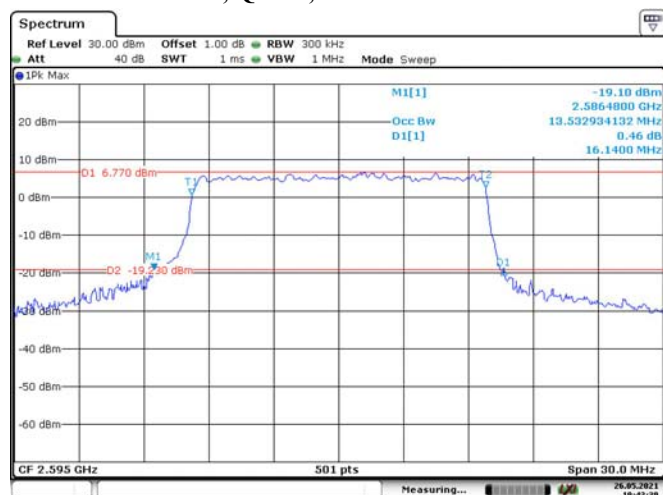
15M, QPSK, Low Channel



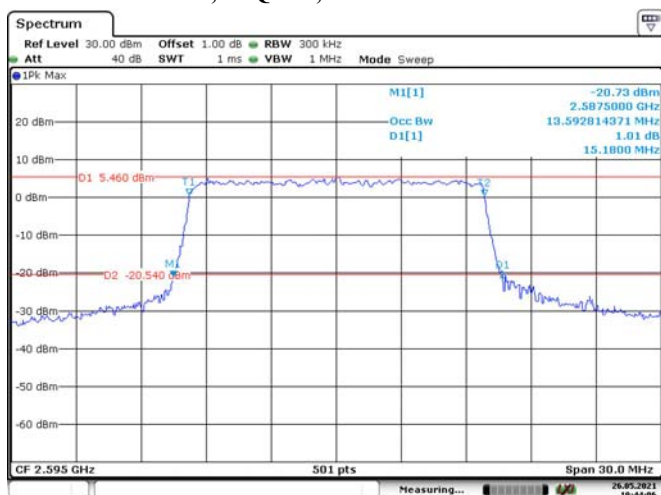
15M, 16QAM, Low Channel



15M, QPSK, Middle Channel



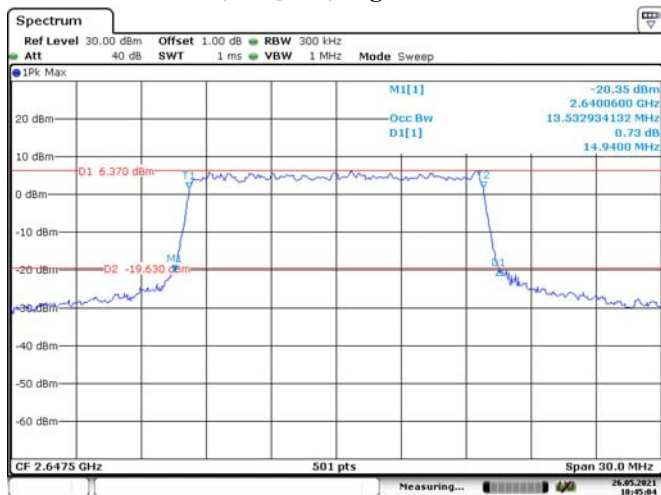
15M, 16QAM, Middle Channel



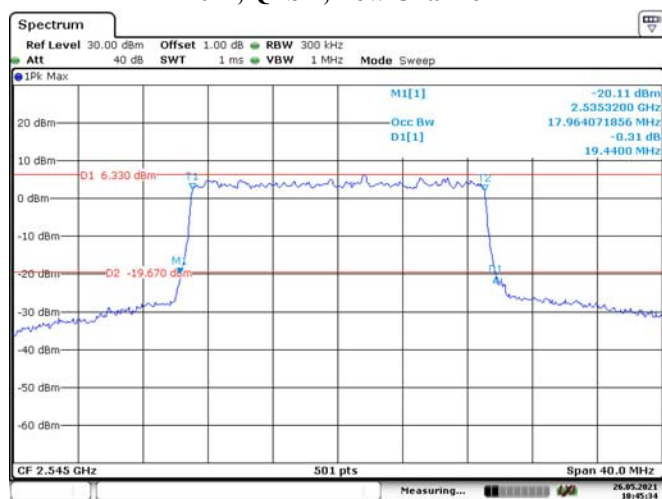
15M, QPSK, High Channel



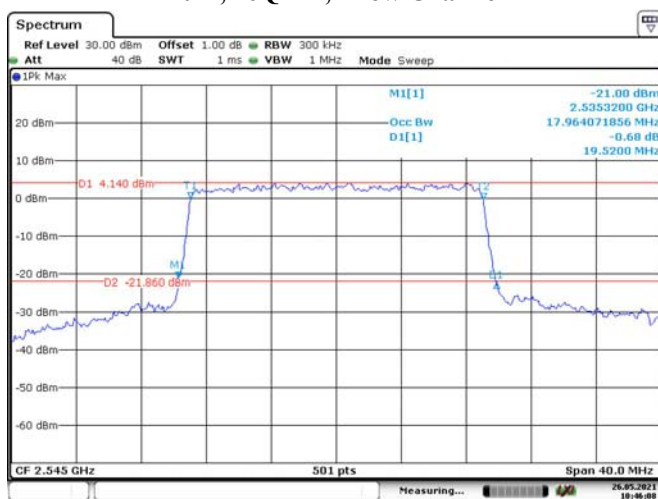
15M, 16QAM, High Channel



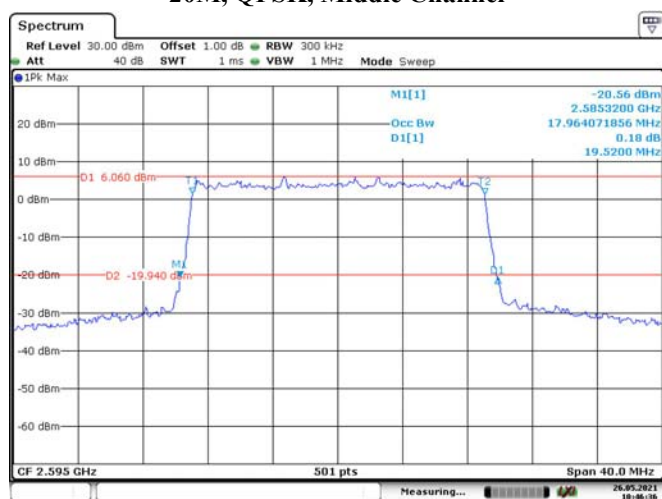
20M, QPSK, Low Channel



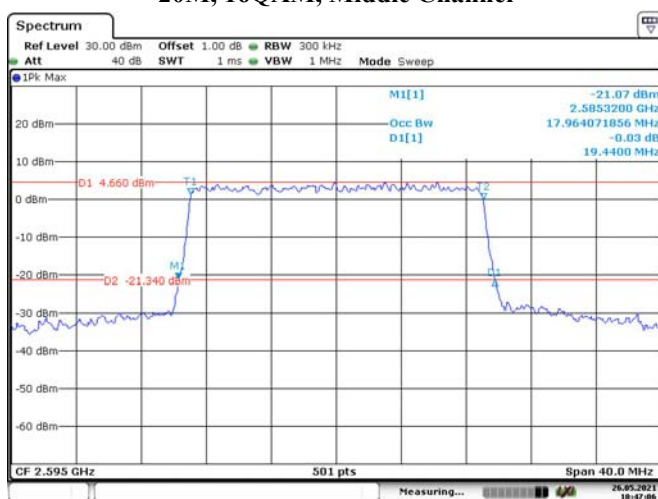
20M, 16QAM, Low Channel



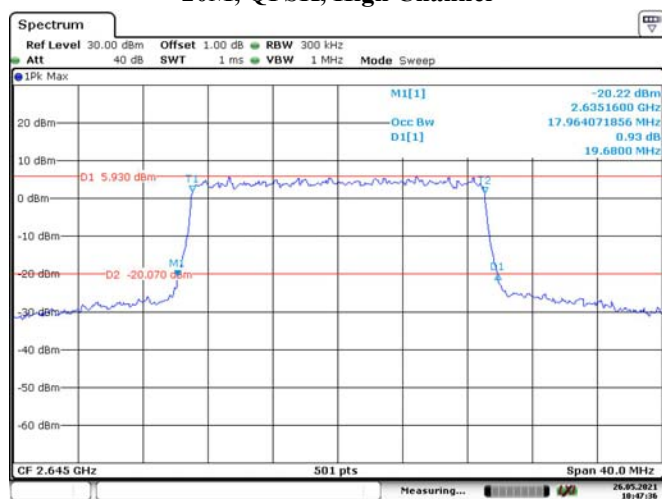
20M, QPSK, Middle Channel



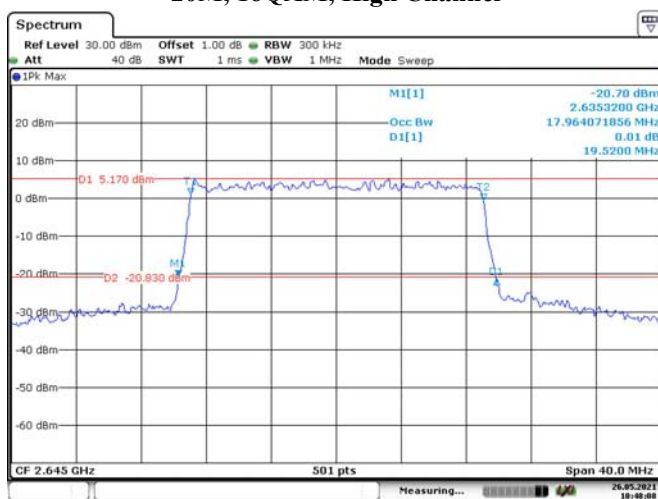
20M, 16QAM, Middle Channel



20M, QPSK, High Channel



20M, 16QAM, High Channel



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

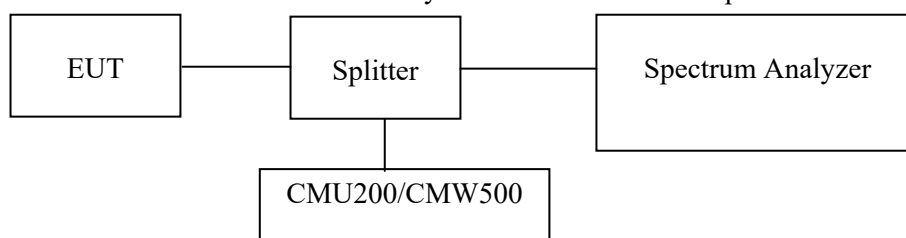
Applicable Standard

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

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	2020-07-07	2021-07-07
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).

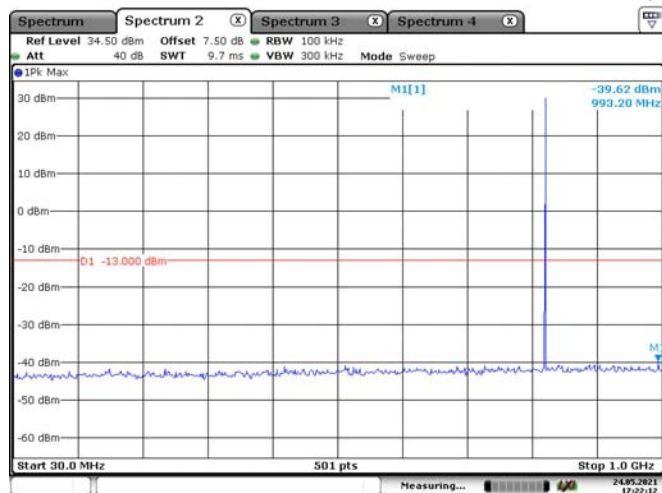
Test Data

Environmental Conditions

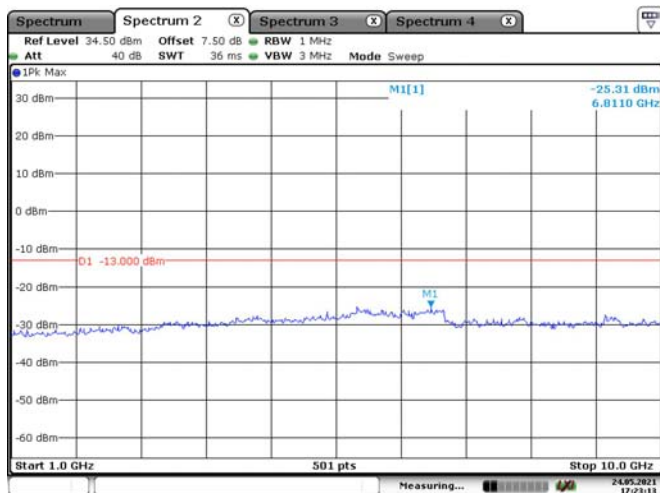
Temperature:	24.2~27.5 °C
Relative Humidity:	47~70 %
ATM Pressure:	100~100.8kPa
Tester:	Lay Lei
Test Date:	2021.05.22~2021.07.26

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

GSM 850, Low Channel

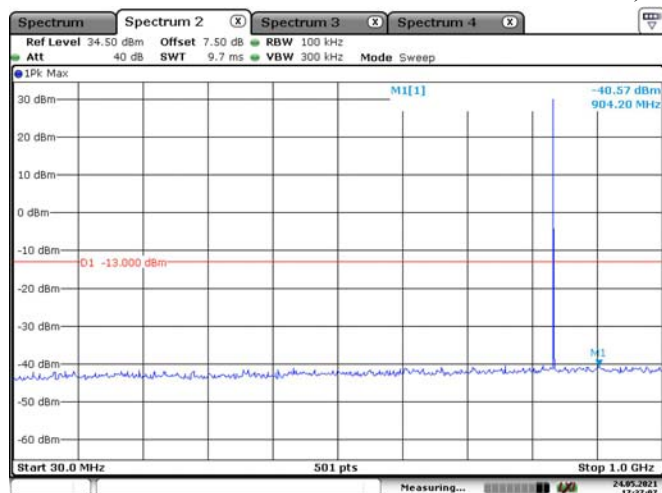


Date: 24.MAY.2021 17:22:12

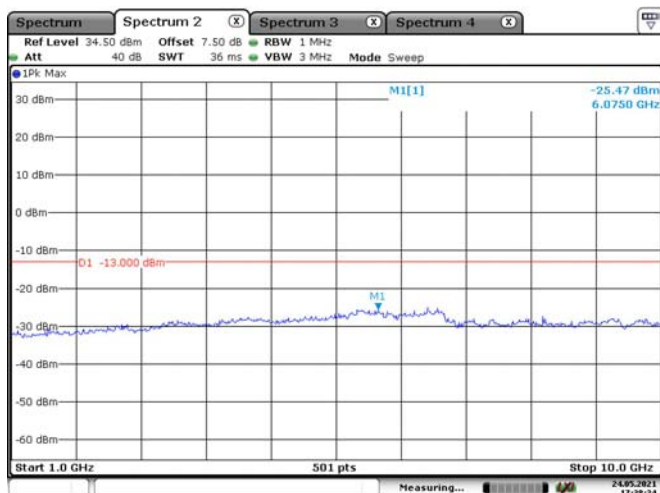


Date: 24.MAY.2021 17:23:13

GSM 850, Middle Channel

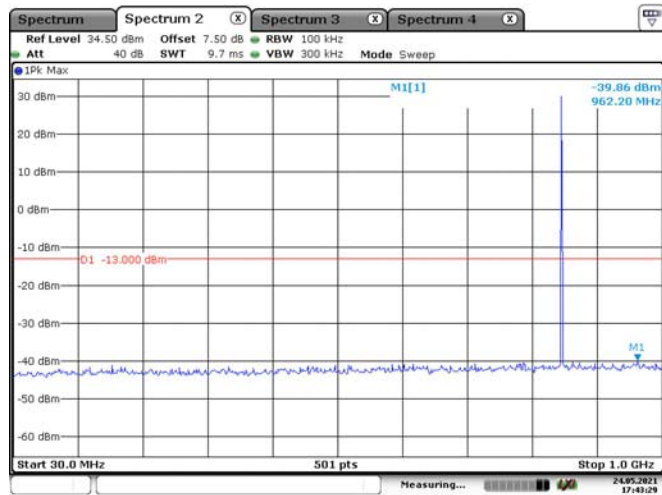


Date: 24.MAY.2021 17:37:07

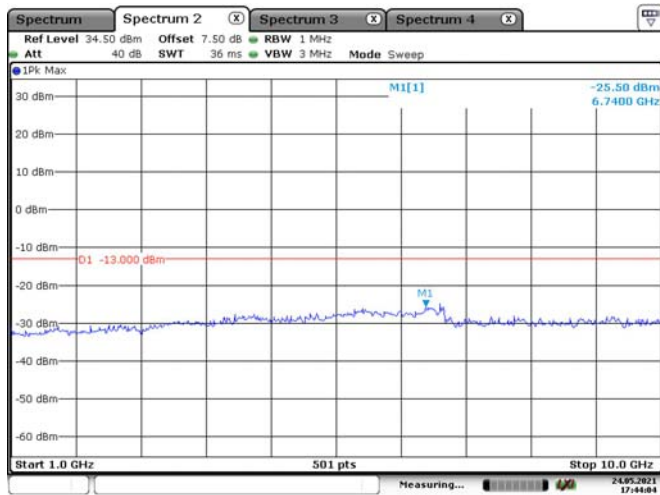


Date: 24.MAY.2021 17:38:24

GSM 850, High Channel

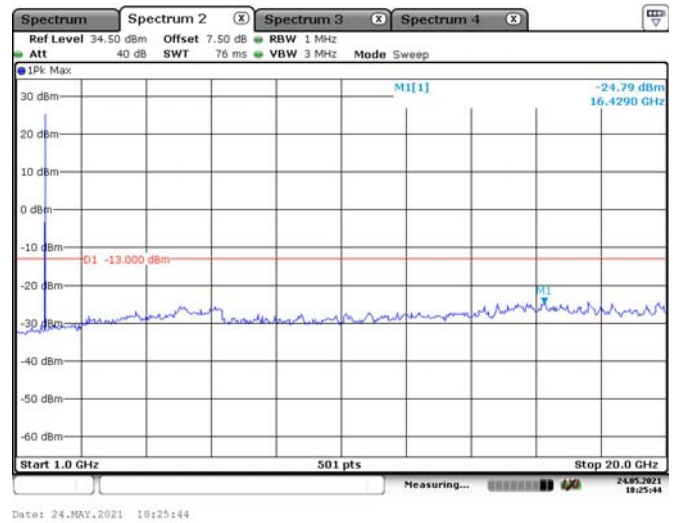
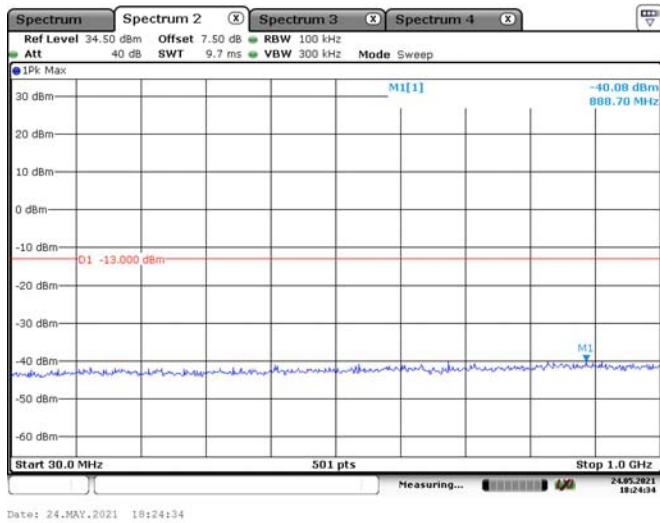


Date: 24.MAY.2021 17:43:29

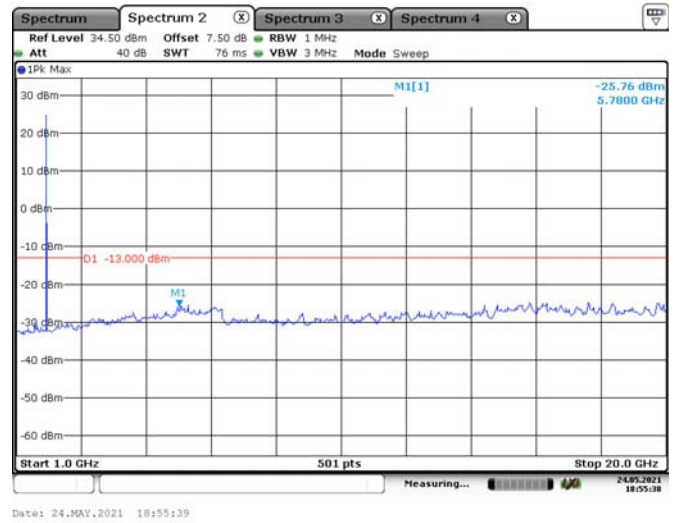
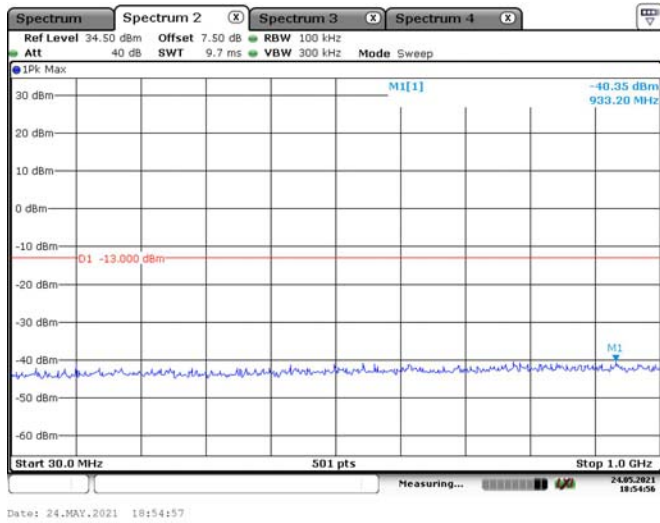


Date: 24.MAY.2021 17:44:05

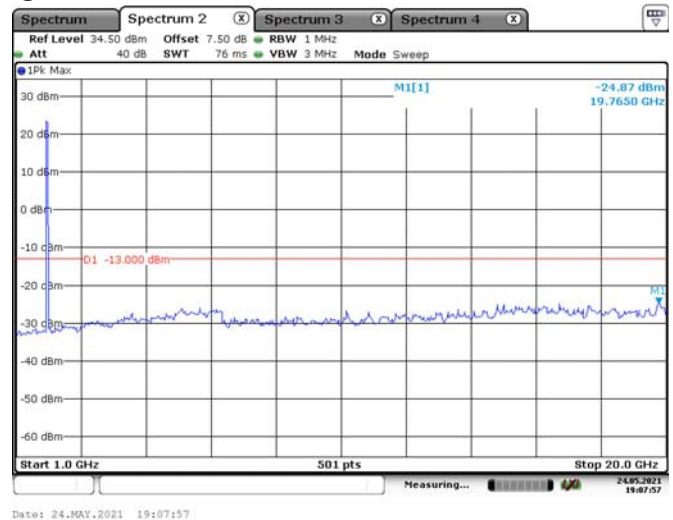
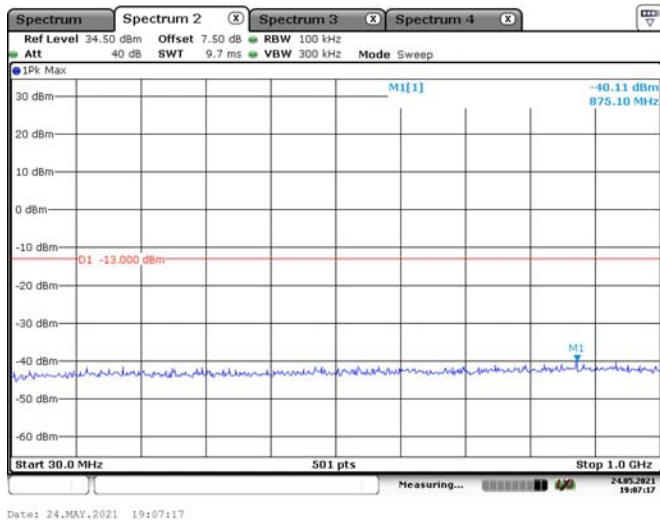
GSM 1900, Low Channel



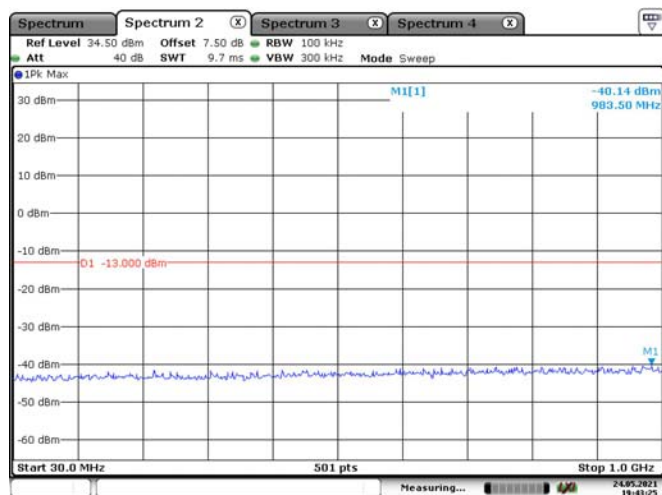
GSM 1900, Middle Channel



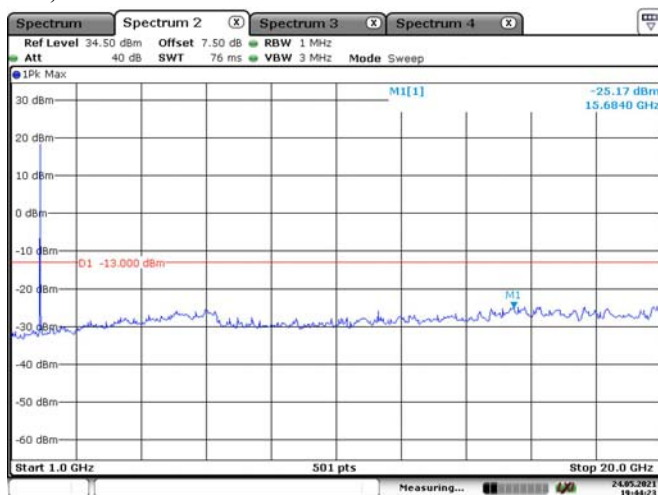
GSM 1900, High Channel



WCDMA Band II, R99, Low Channel

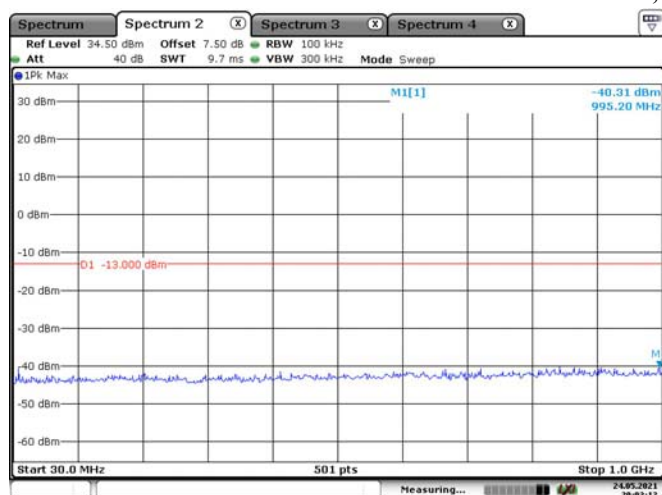


Date: 24.MAY.2021 19:43:25

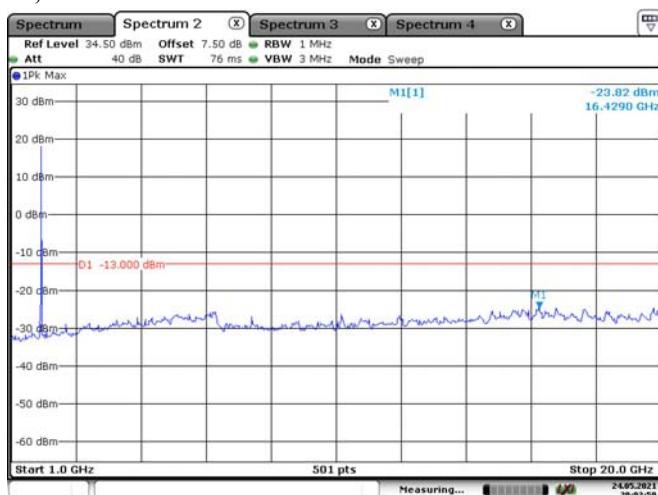


Date: 24.MAY.2021 19:44:23

WCDMA Band II, R99, Middle Channel

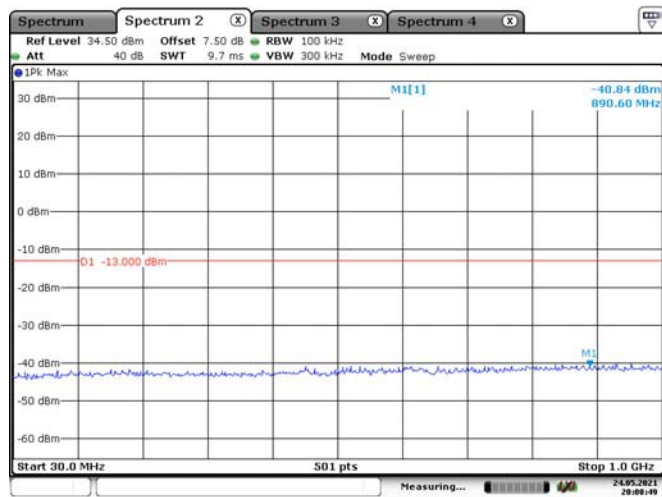


Date: 24.MAY.2021 20:03:12

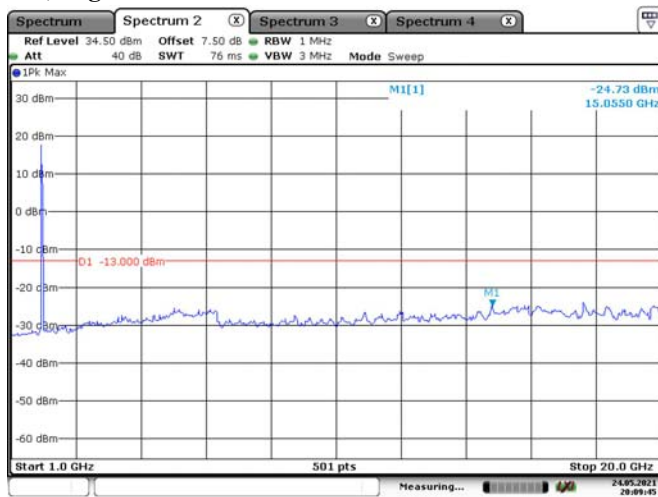


Date: 24.MAY.2021 20:03:59

WCDMA Band II, R99, High Channel

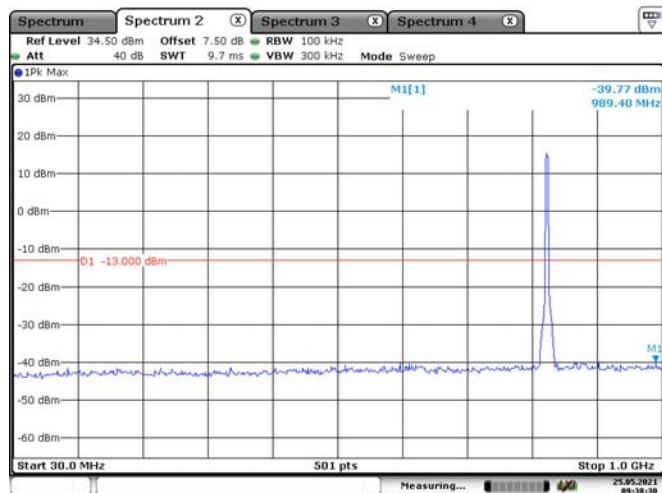


Date: 24.MAY.2021 20:08:50

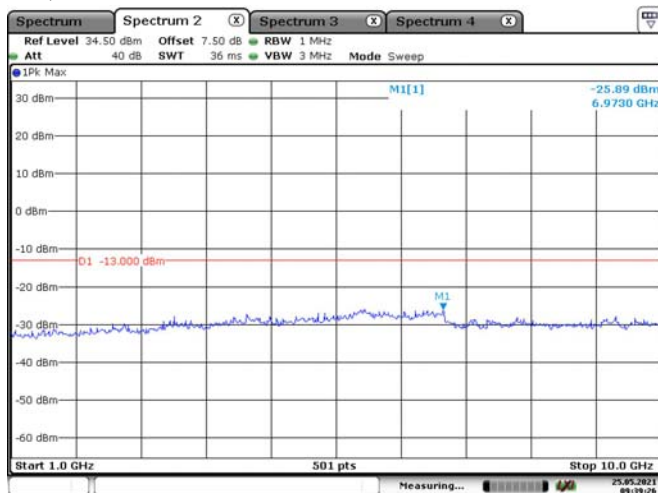


Date: 24.MAY.2021 20:09:46

WCDMA Band V, R99, Low Channel

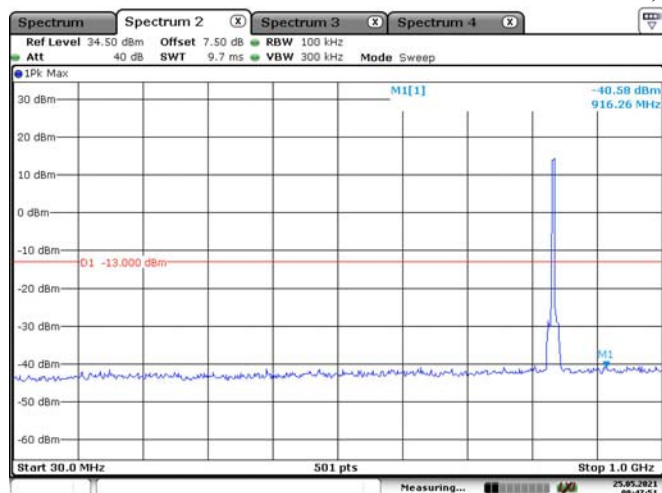


Date: 25.MAY.2021 09:39:31

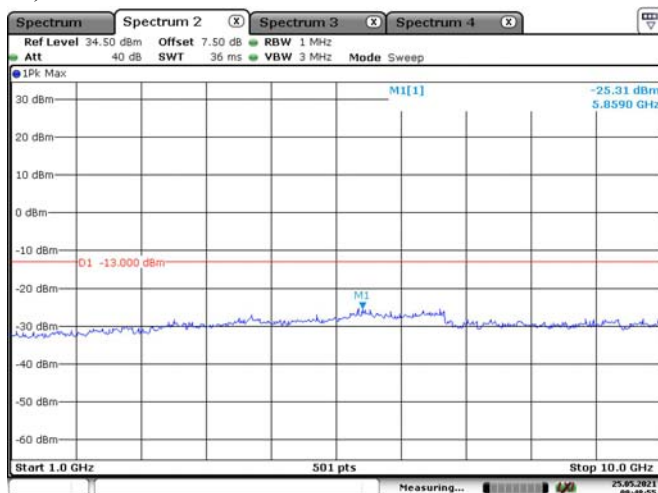


Date: 25.MAY.2021 09:39:27

WCDMA Band V, R99, Middle Channel

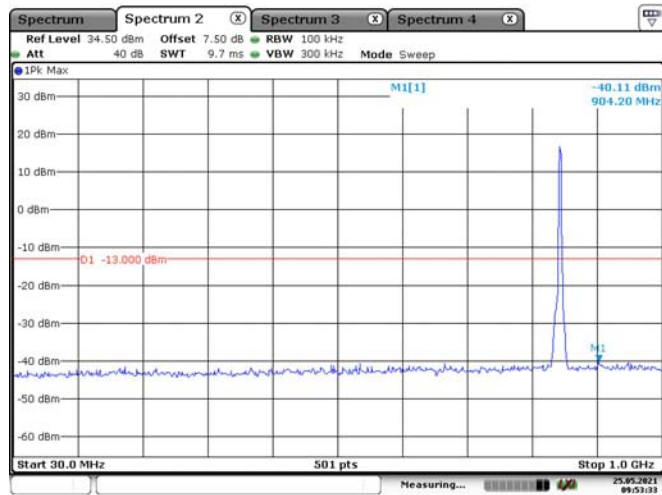


Date: 25.MAY.2021 09:47:52

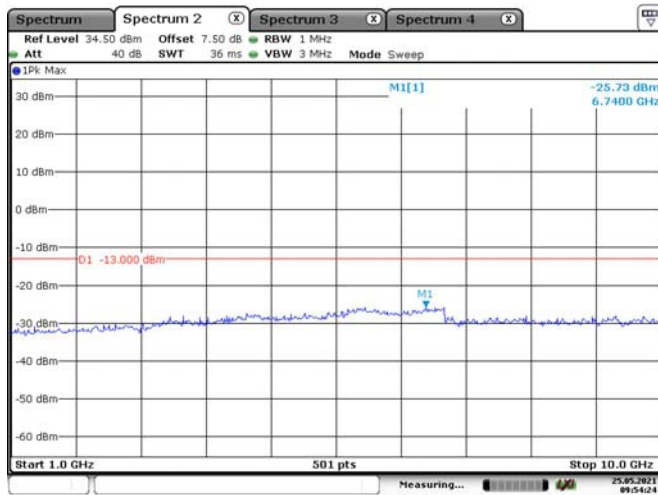


Date: 25.MAY.2021 09:48:06

WCDMA Band V, R99, High Channel



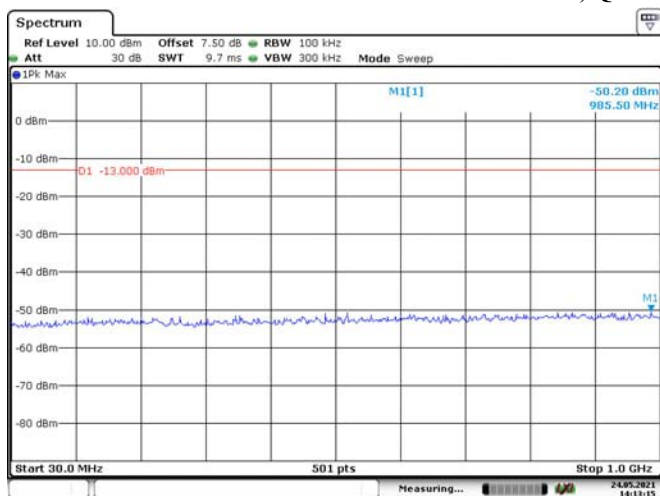
Date: 25.MAY.2021 09:53:34



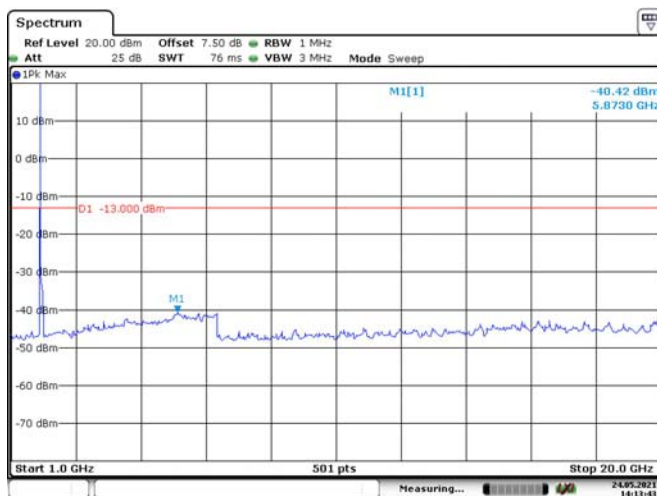
Date: 25.MAY.2021 09:54:24

LTE Band 2:

1.4M, QPSK, Low Channel

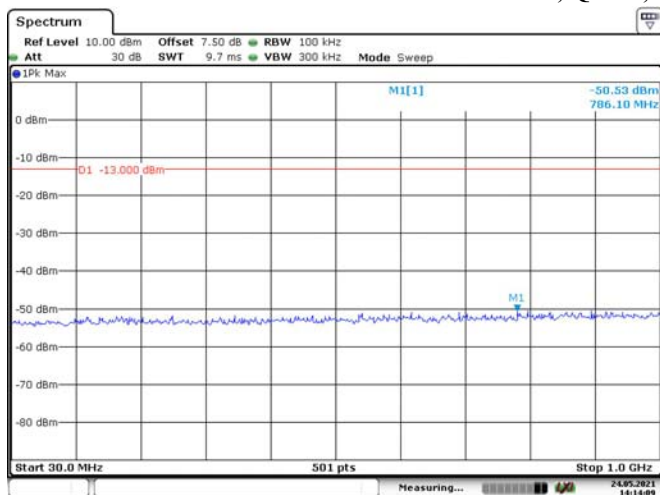


Date: 24.MAY.2021 14:13:15

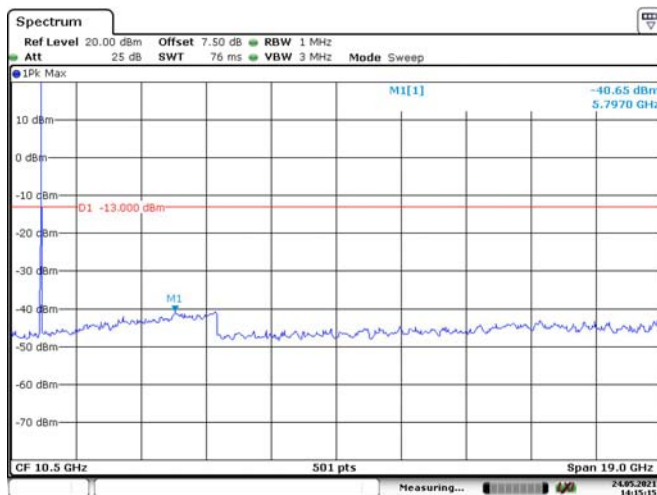


Date: 24.MAY.2021 14:13:44

1.4M, QPSK, Middle Channel

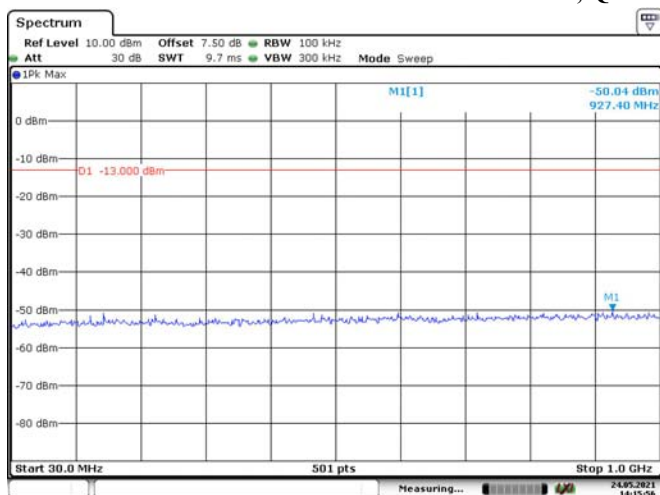


Date: 24.MAY.2021 14:14:10

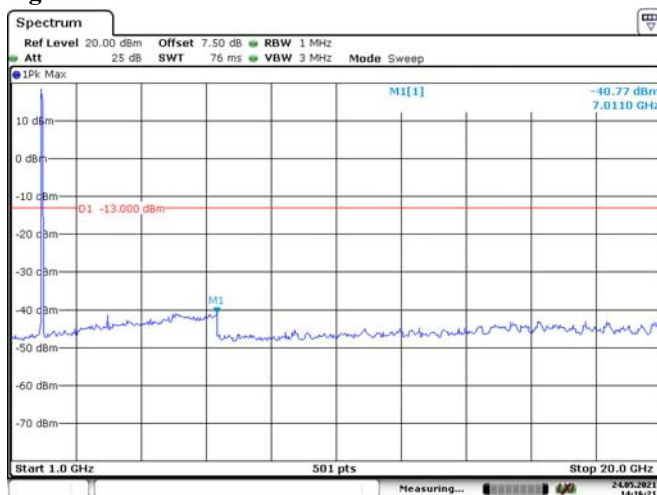


Date: 24.MAY.2021 14:15:15

1.4M, QPSK, High Channel

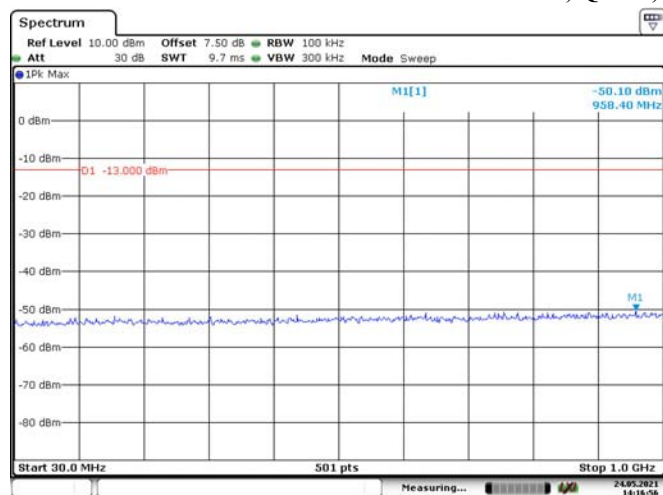


Date: 24.MAY.2021 14:15:57

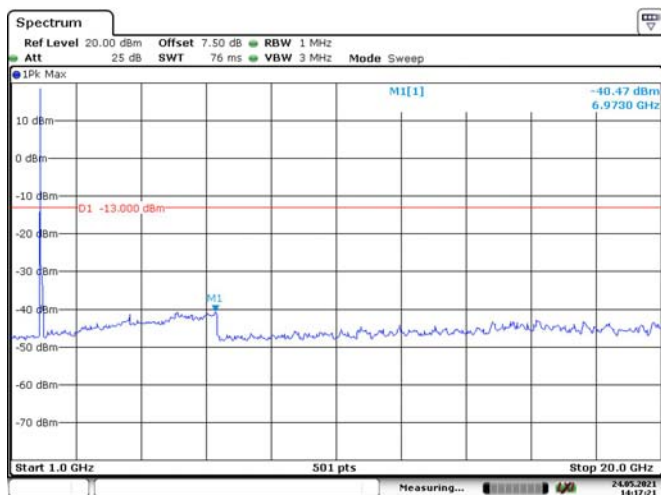


Date: 24.MAY.2021 14:16:22

3M, QPSK, Low Channel

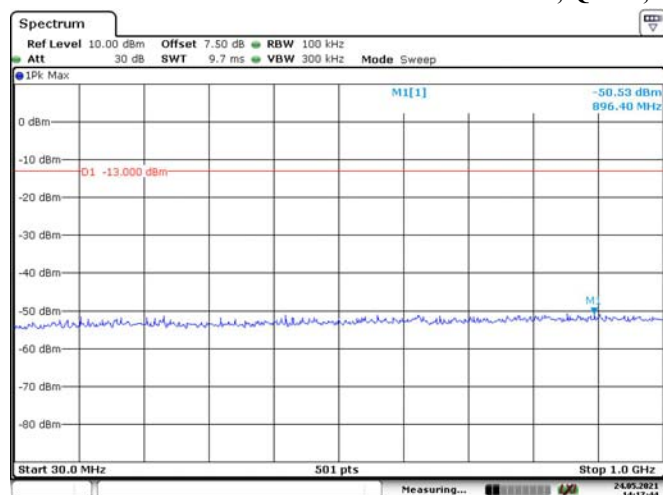


Date: 24.MAY.2021 14:16:57

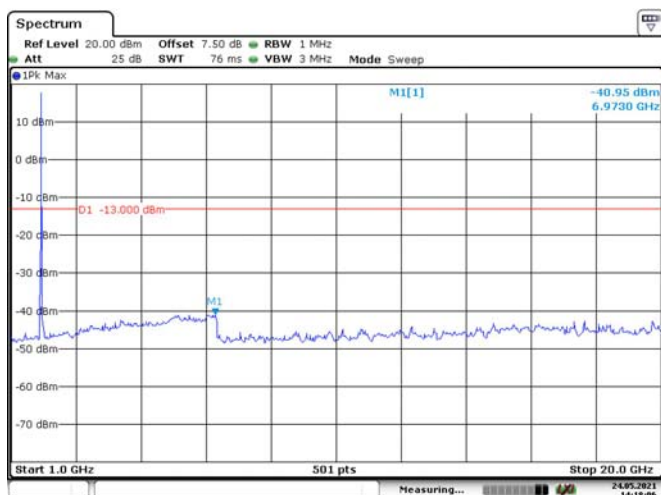


Date: 24.MAY.2021 14:17:22

3M, QPSK, Middle Channel

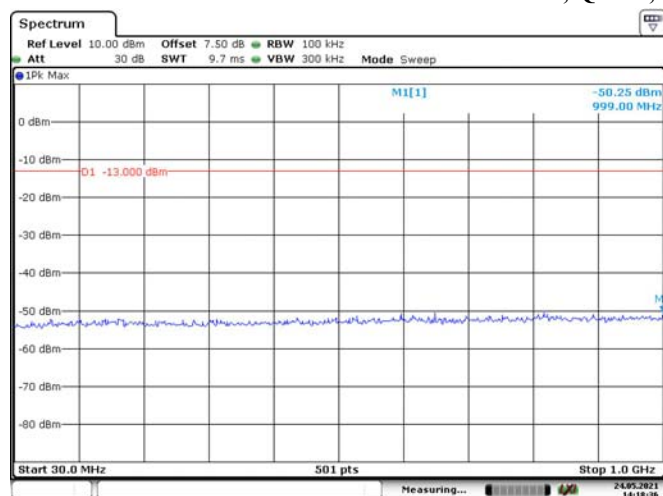


Date: 24.MAY.2021 14:17:45

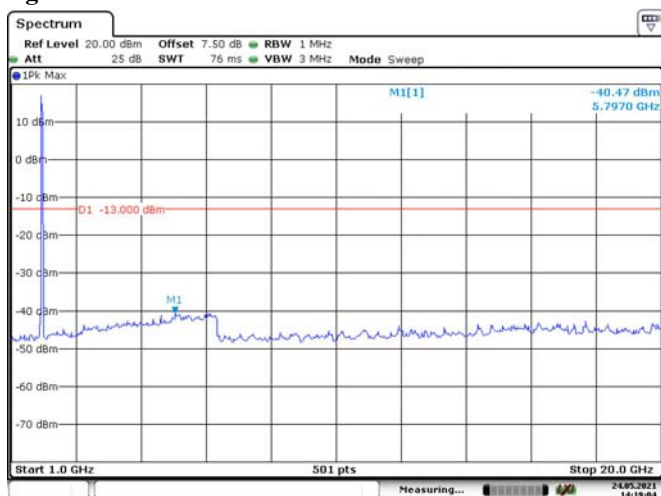


Date: 24.MAY.2021 14:18:07

3M, QPSK, High Channel

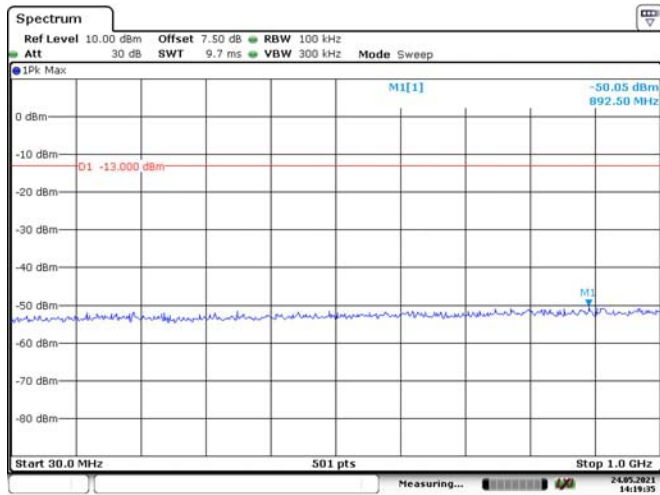


Date: 24.MAY.2021 14:18:36

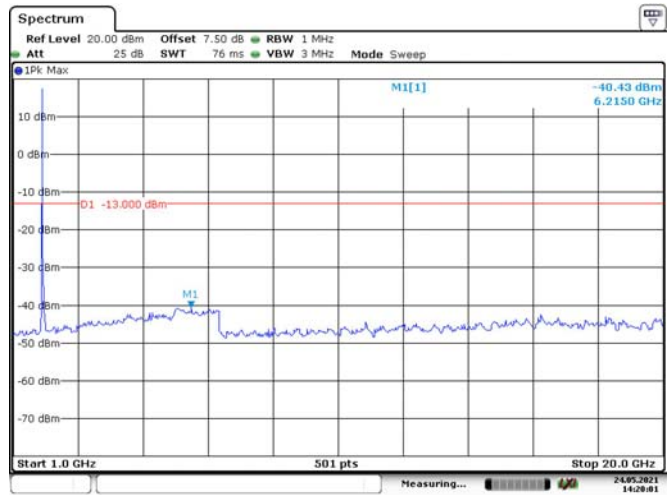


Date: 24.MAY.2021 14:19:05

5M, QPSK, Low Channel

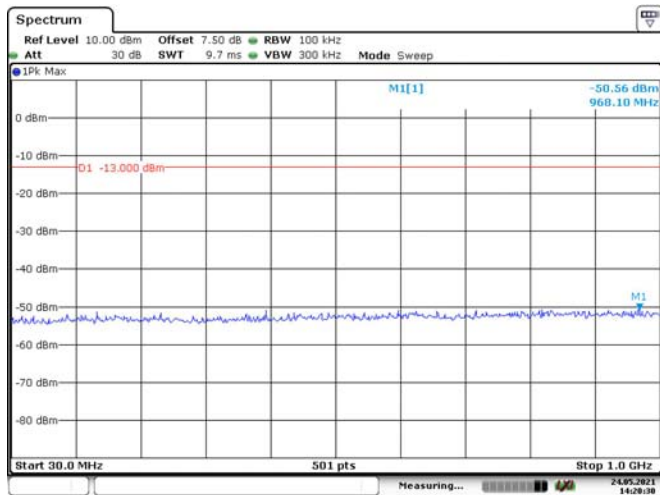


Date: 24.MAY.2021 14:19:36

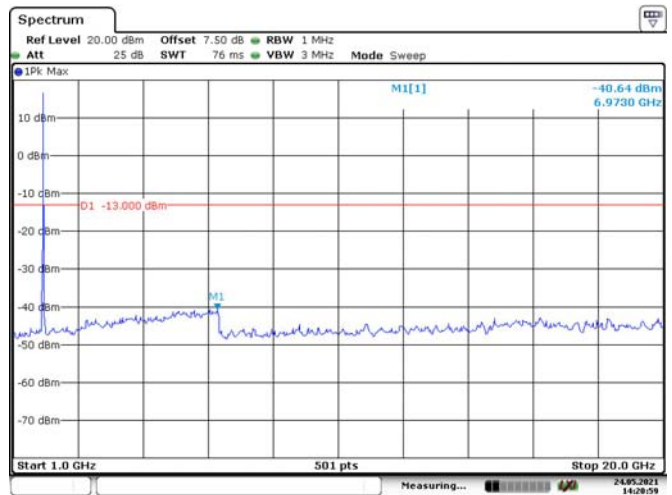


Date: 24.MAY.2021 14:20:01

5M, QPSK, Middle Channel

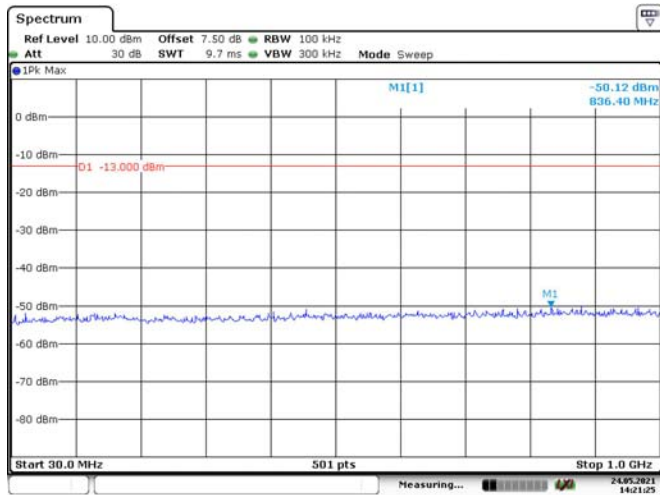


Date: 24.MAY.2021 14:20:31

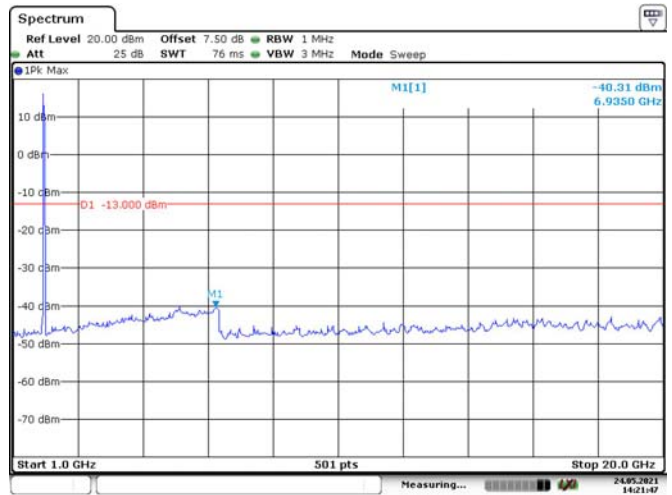


Date: 24.MAY.2021 14:20:59

5M, QPSK, High Channel

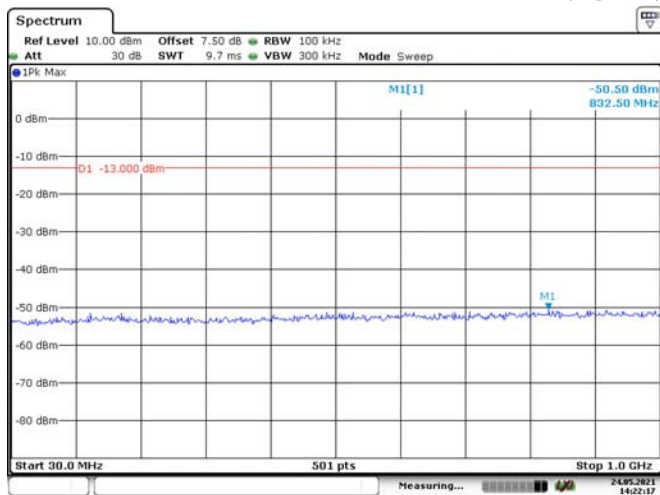


Date: 24.MAY.2021 14:21:26

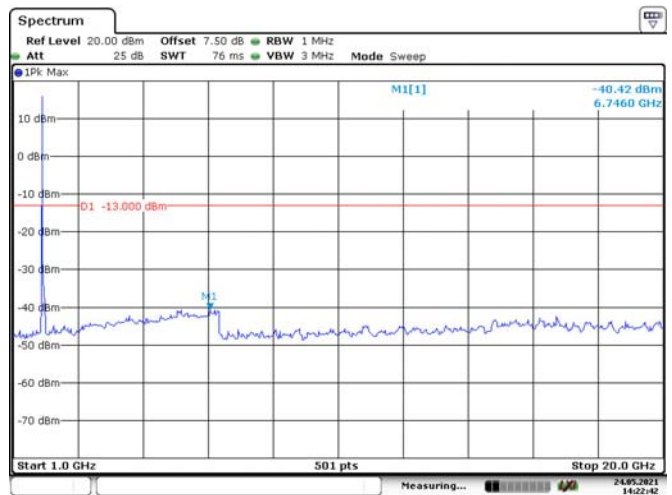


Date: 24.MAY.2021 14:21:46

10M, QPSK, Low Channel

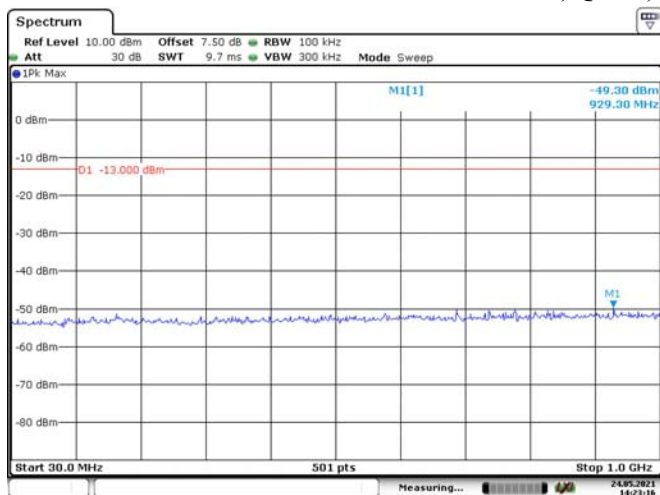


Date: 24.MAY.2021 14:22:18

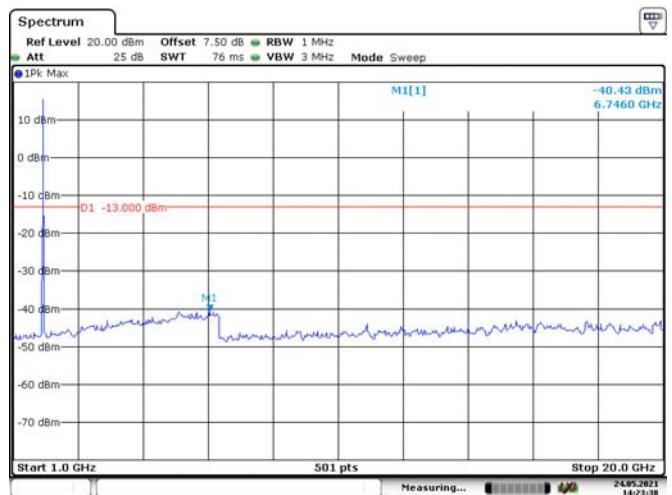


Date: 24.MAY.2021 14:22:43

10M, QPSK, Middle Channel

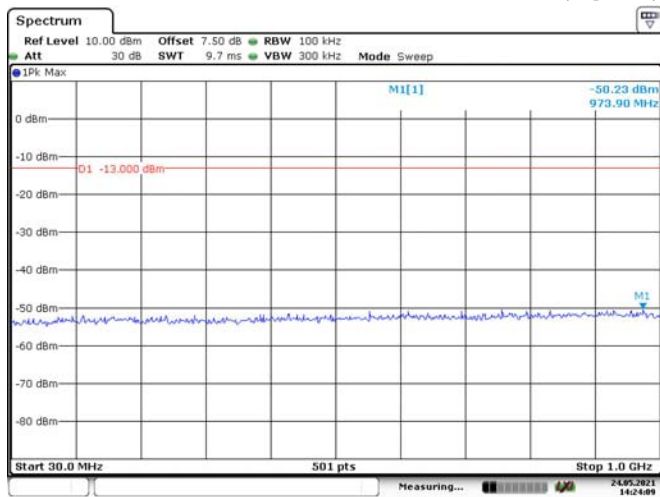


Date: 24.MAY.2021 14:23:17

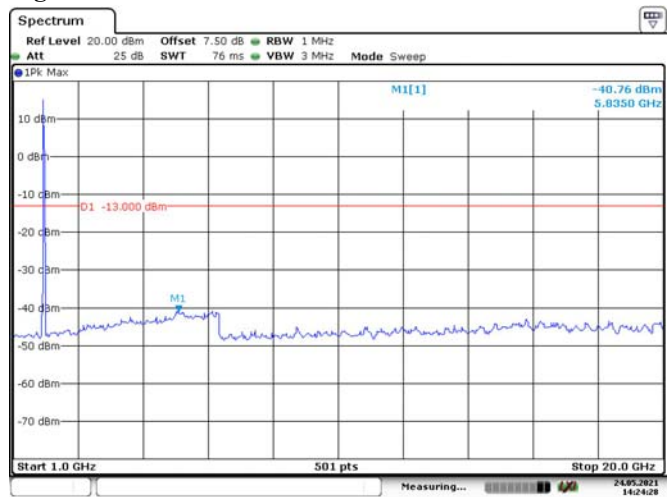


Date: 24.MAY.2021 14:23:39

10M, QPSK, High Channel

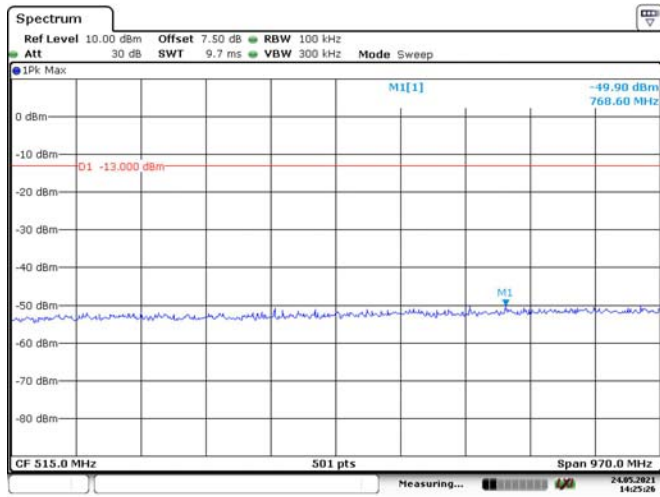


Date: 24.MAY.2021 14:24:10

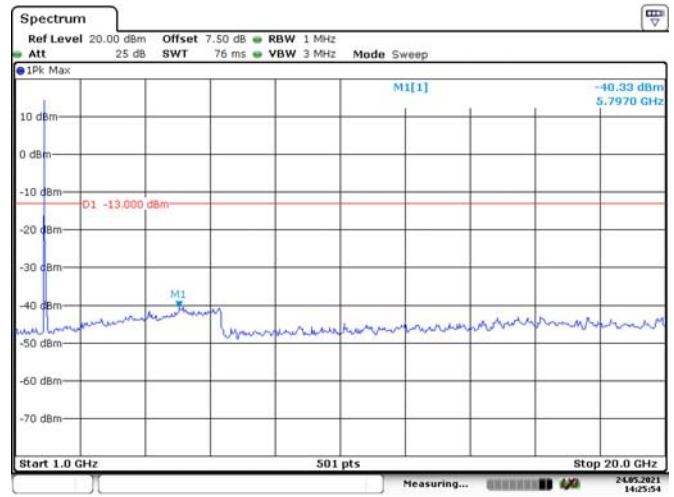


Date: 24.MAY.2021 14:24:29

15M, QPSK, Low Channel

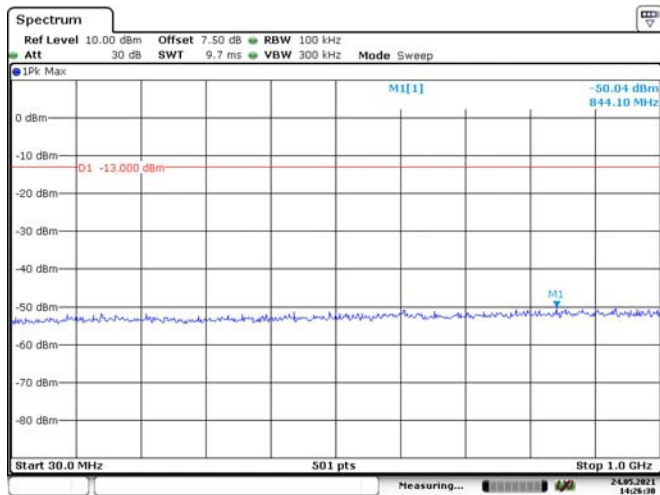


Date: 24.MAY.2021 14:25:27

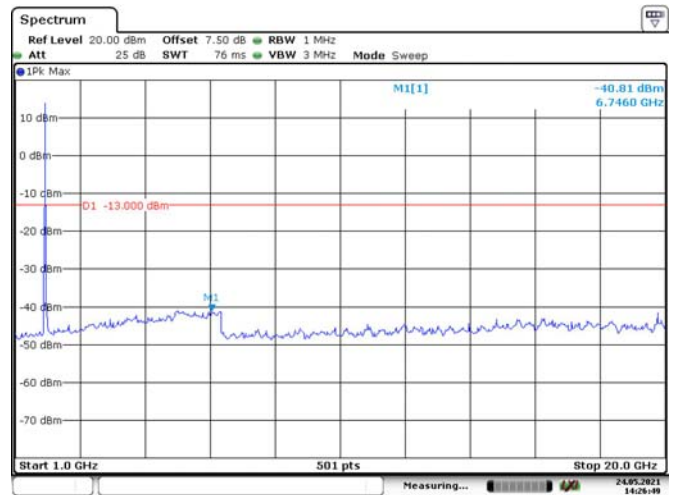


Date: 24.MAY.2021 14:25:55

15M, QPSK, Middle Channel

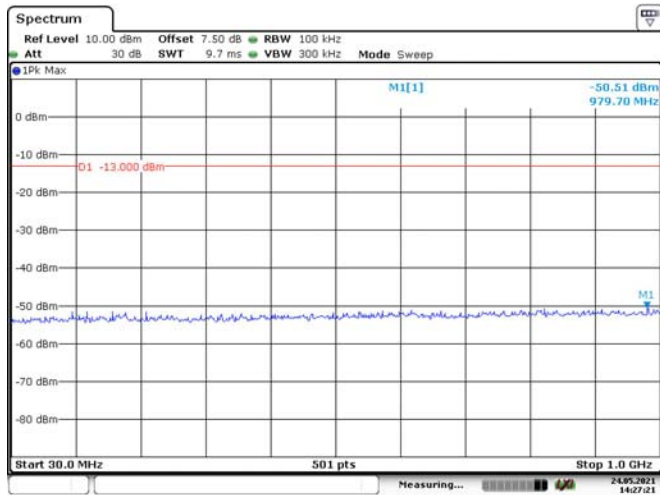


Date: 24.MAY.2021 14:26:31

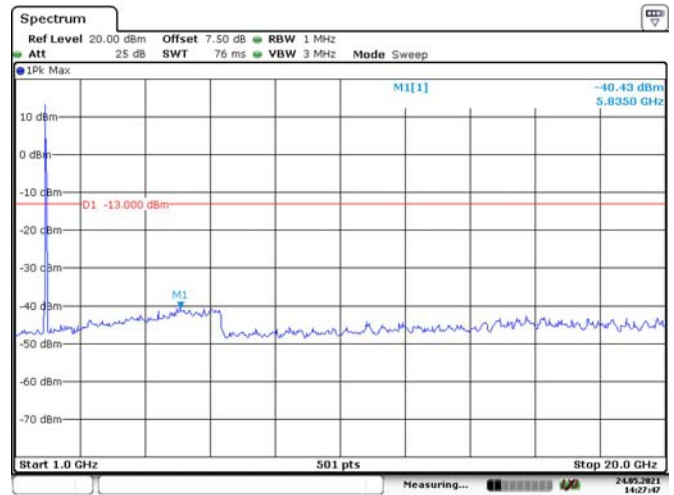


Date: 24.MAY.2021 14:26:50

15M, QPSK, High Channel

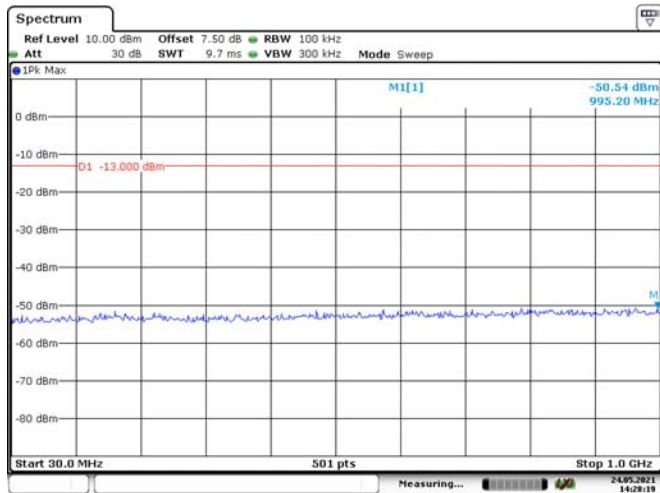


Date: 24.MAY.2021 14:27:22

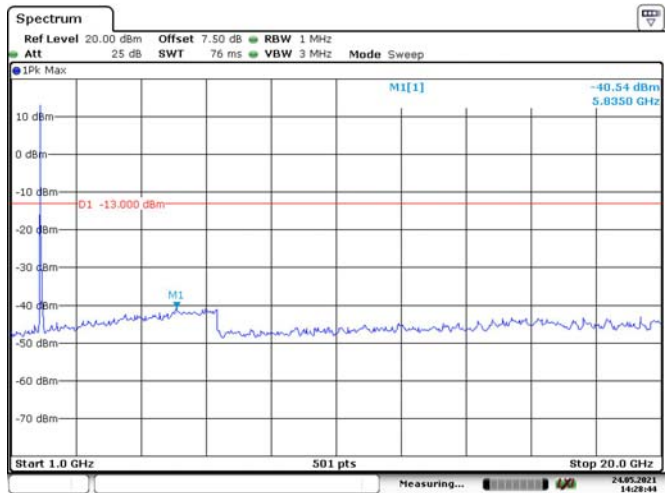


Date: 24.MAY.2021 14:27:47

20M, QPSK, Low Channel

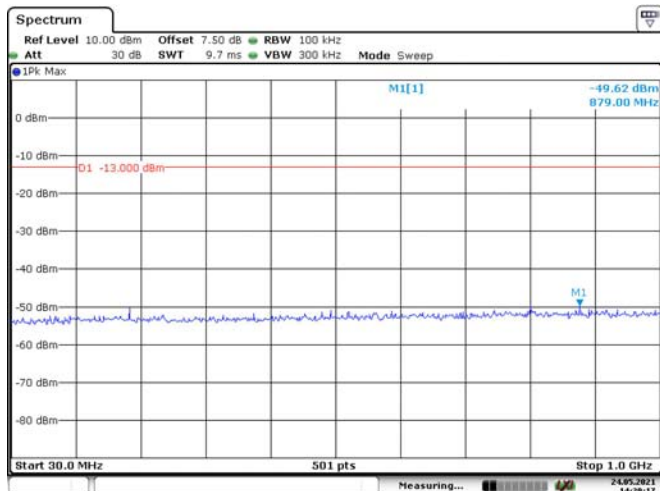


Date: 24.MAY.2021 14:28:20

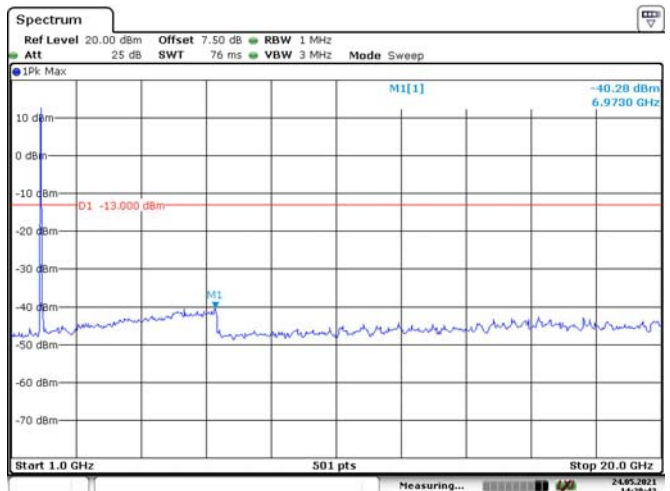


Date: 24.MAY.2021 14:28:45

20M, QPSK, Middle Channel

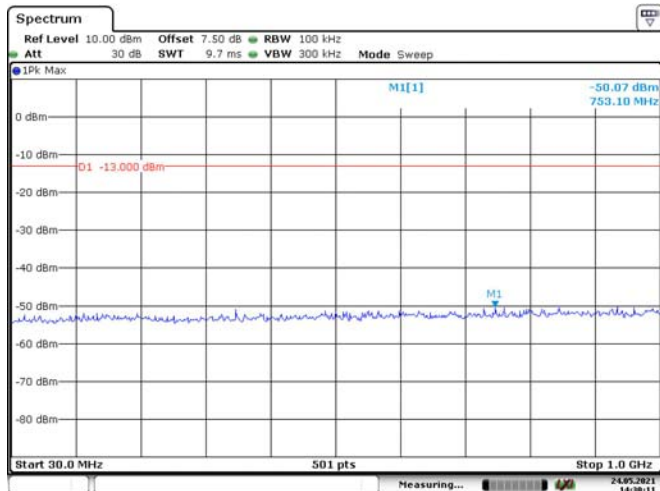


Date: 24.MAY.2021 14:29:17

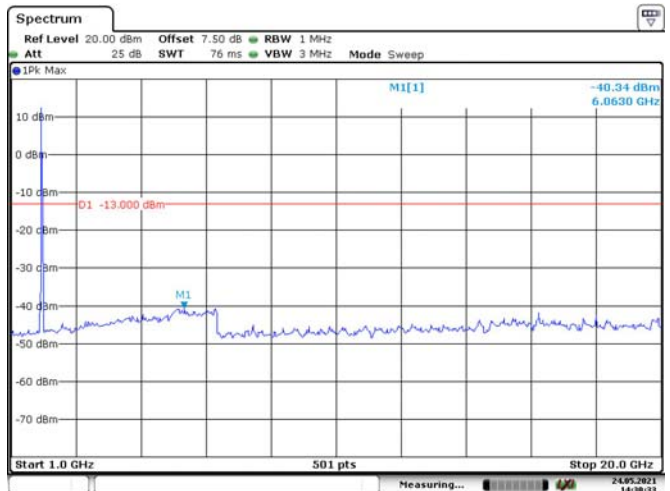


Date: 24.MAY.2021 14:29:43

20M, QPSK, High Channel



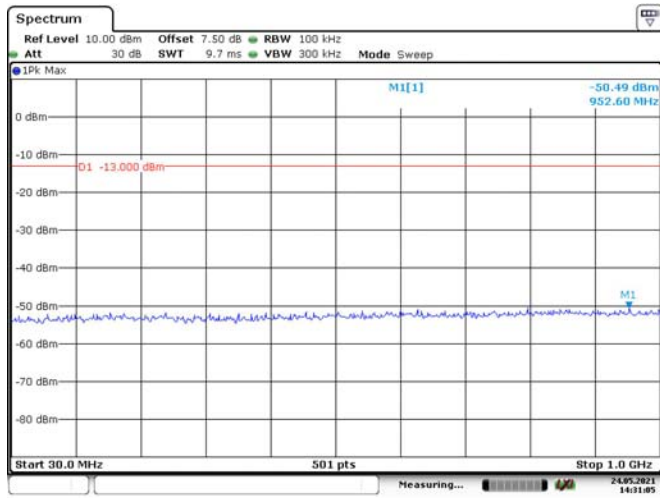
Date: 24.MAY.2021 14:30:12



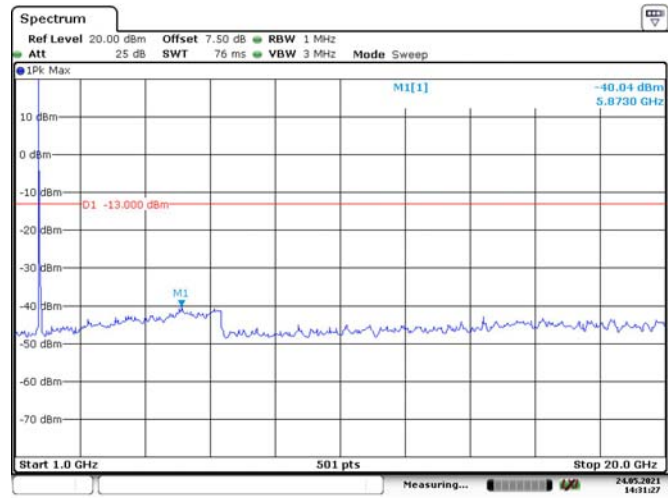
Date: 24.MAY.2021 14:30:34

LTE Band 4:

1.4M, QPSK, Low Channel

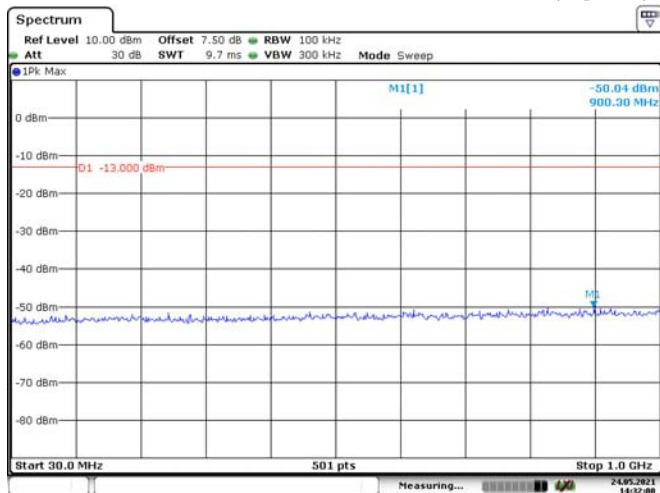


Date: 24.MAY.2021 14:31:06

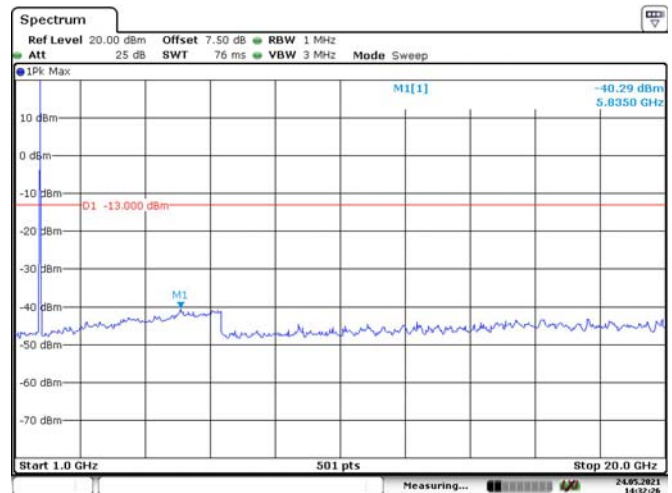


Date: 24.MAY.2021 14:31:28

1.4M, QPSK, Middle Channel

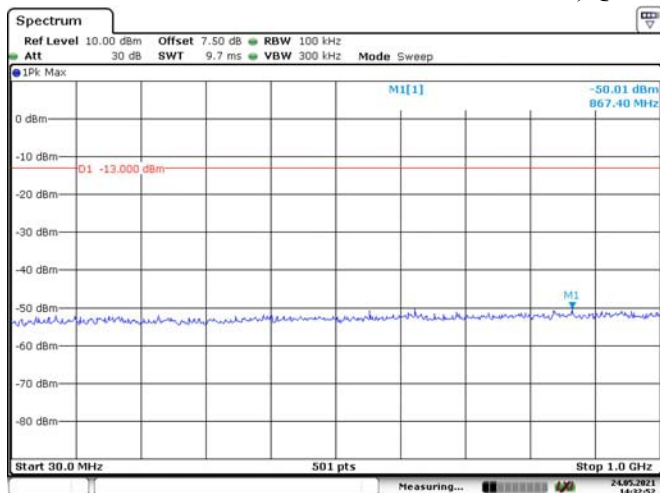


Date: 24.MAY.2021 14:32:01

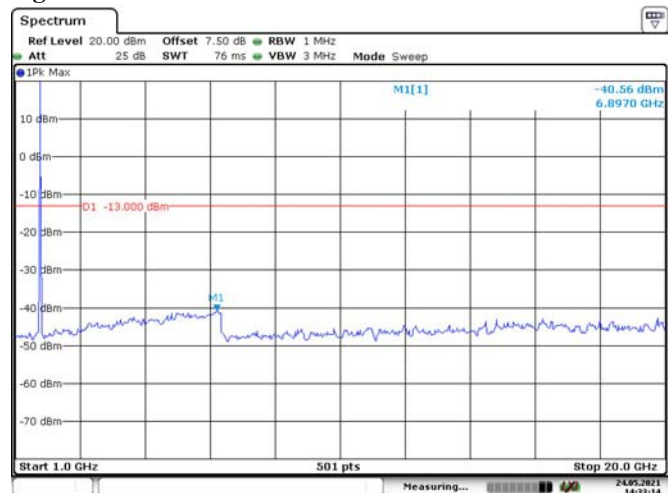


Date: 24.MAY.2021 14:32:26

1.4M, QPSK, High Channel



Date: 24.MAY.2021 14:32:53



Date: 24.MAY.2021 14:33:15

Spectrum

Ref Level 10.00 dBm Offset 7.50 dB RBW 100 kHz
 Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Sweep

1Pk Max

0 dBm
 -10 dBm
 -20 dBm
 -30 dBm
 -40 dBm
 -50 dBm
 -60 dBm
 -70 dBm
 -80 dBm

M1[1] -50.49 dBm
 940.90 MHz

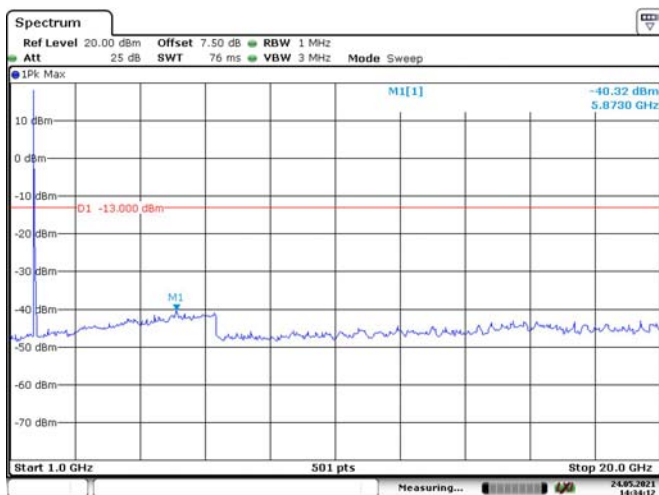
D1 -13.000 dBm

M1

Start 30.0 MHz 501 pts Stop 1.0 GHz

Measuring... 24.05.2021 16:53:06

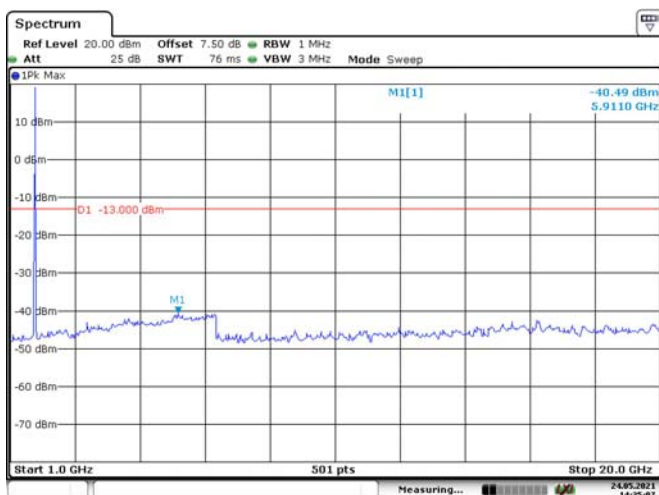
Date: 24.MAY.2021 14:33:47



Date: 24.MAY.2021 14:34:12

The screenshot shows a Spectrum Analyzer interface. At the top, the title "Spectrum" is displayed. Below it, a control bar contains the following settings: "Ref Level 10.00 dBm", "Offset 7.50 dB", "RBW 100 kHz", "Att 30 dB", "SWT 9.7 ms", "VBW 300 kHz", and "Mode Sweep". A blue cursor icon is positioned over the "1Pk Max" button. The main display area is a grid with a vertical axis labeled from 0 dBm to -80 dBm in 10 dB increments. A horizontal red line is drawn across the grid at the -13.000 dBm level, with a label "01 -13.000 dBm" on the left. A blue trace, labeled "M1[1]" at the top right, shows a noisy signal fluctuating around -50.60 dBm. On the right side of the grid, the values "-50.60 dBm" and "966.10 MHz" are displayed. At the bottom of the grid, the frequency range is indicated as "Start 30.0 MHz" and "Stop 1.0 GHz", with "501 pts" centered below the grid. A status bar at the very bottom shows "Measuring..." followed by a progress bar, a "40" icon, and the date/time "24.05.2021 14:47:41".

Date: 24.MAY.2021 14:34:42



Date: 24.MAY.2021 14:35:07

Spectrum

Ref Level 10.00 dBm Offset 7.50 dB RBW 100 kHz
 Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Sweep

1Pk Max

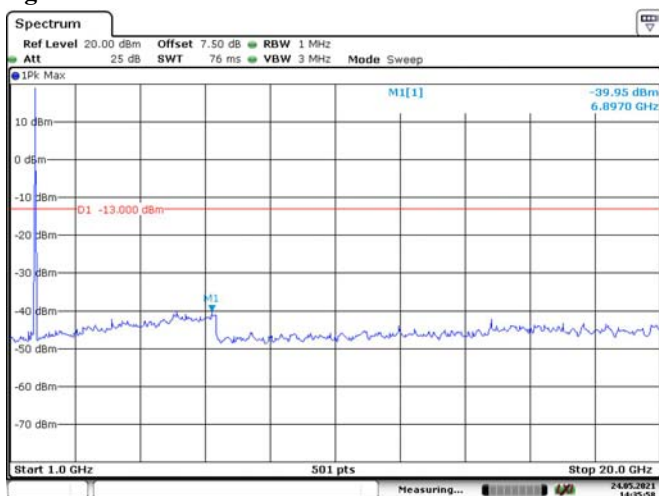
MI[1] -49.88 dBm
 820.90 MHz

0 dBm
 -10 dBm
 -20 dBm
 -30 dBm
 -40 dBm
 -50 dBm
 -60 dBm
 -70 dBm
 -80 dBm

Start 30.0 MHz 501 pts Stop 1.0 GHz

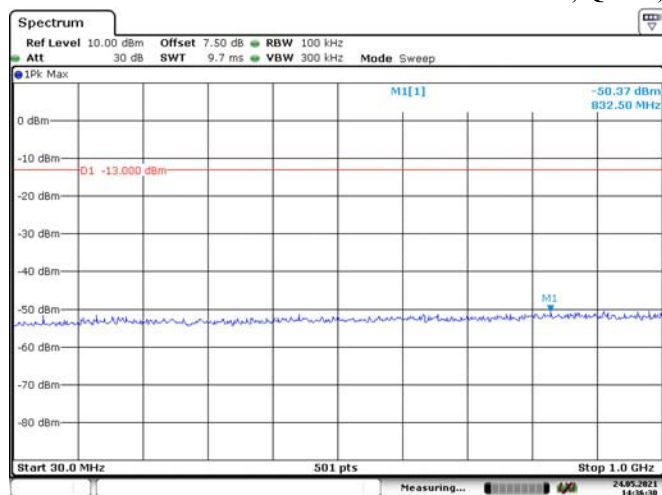
Measuring... 24.05.2021 14:00:08

Date: 24.MAY.2021 14:35:37

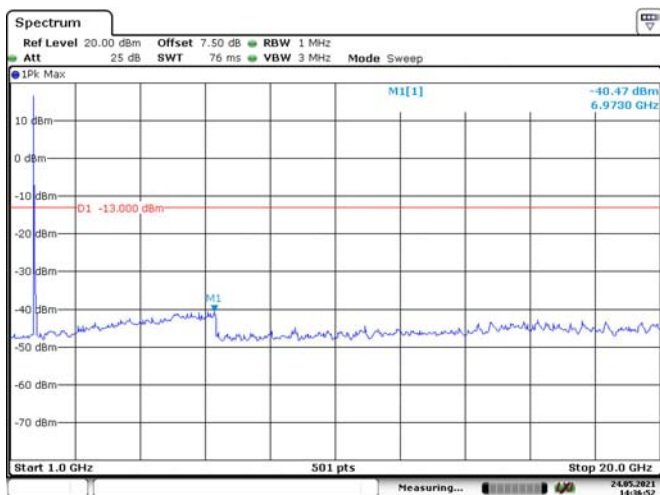


Date: 24.MAY.2021 14:35:59

5M, QPSK, Low Channel

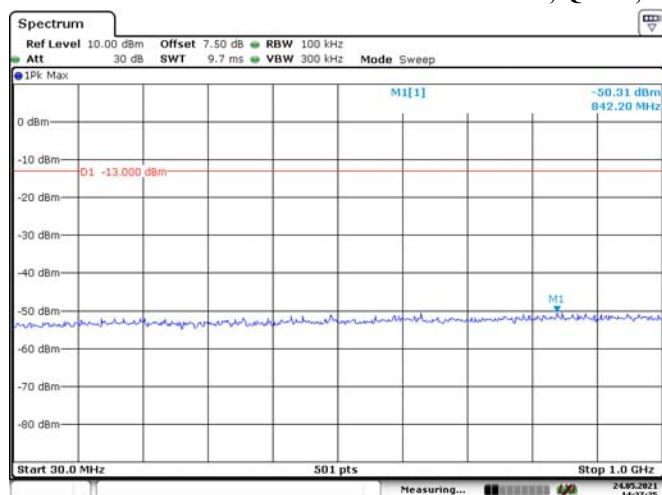


Date: 24.MAY.2021 14:36:31

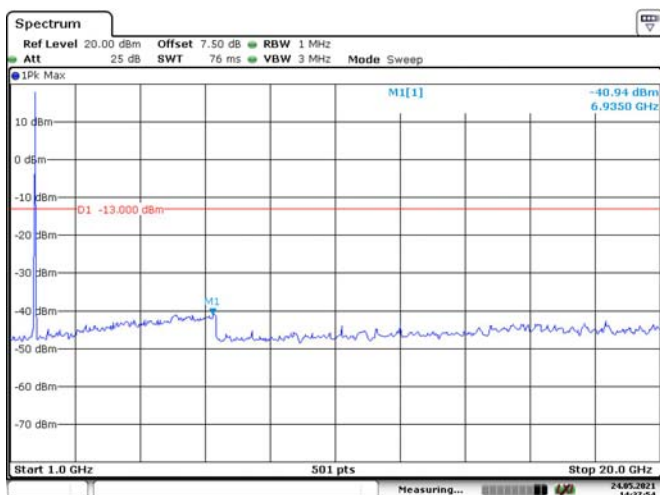


Date: 24.MAY.2021 14:36:53

5M, QPSK, Middle Channel

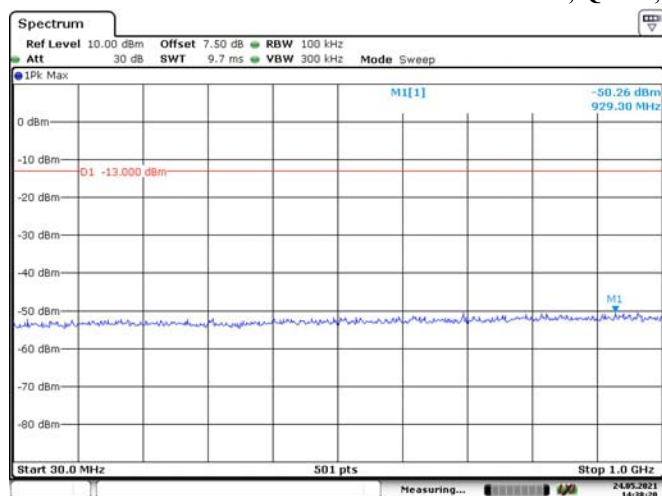


Date: 24.MAY.2021 14:37:26

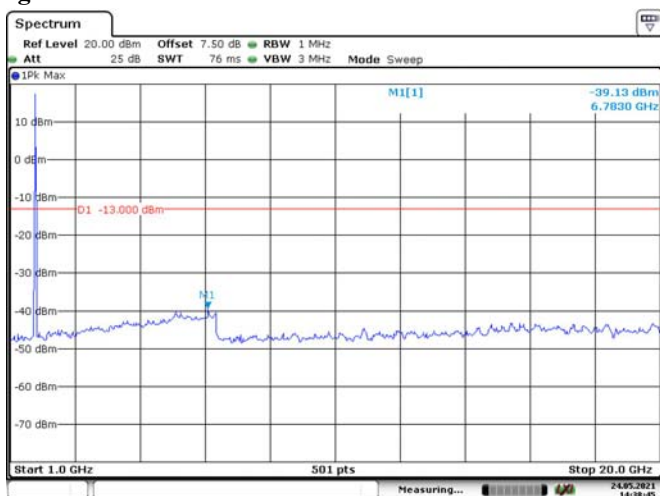


Date: 24.MAY.2021 14:37:54

5M, QPSK, High Channel



Date: 24.MAY.2021 14:38:21



Date: 24.MAY.2021 14:38:46