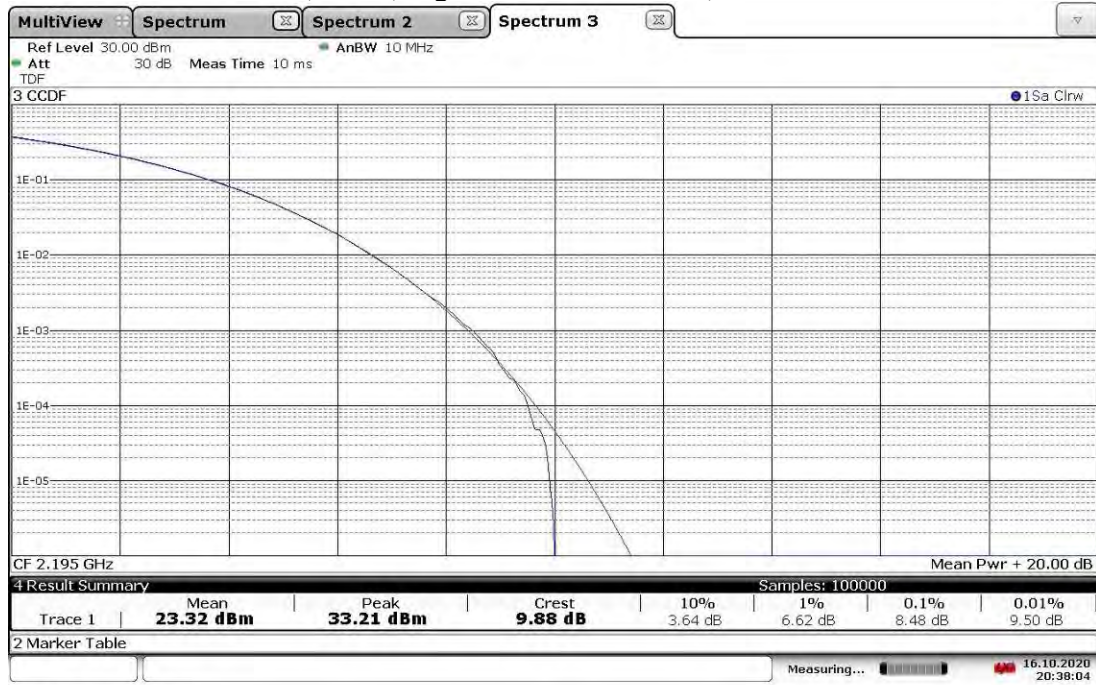
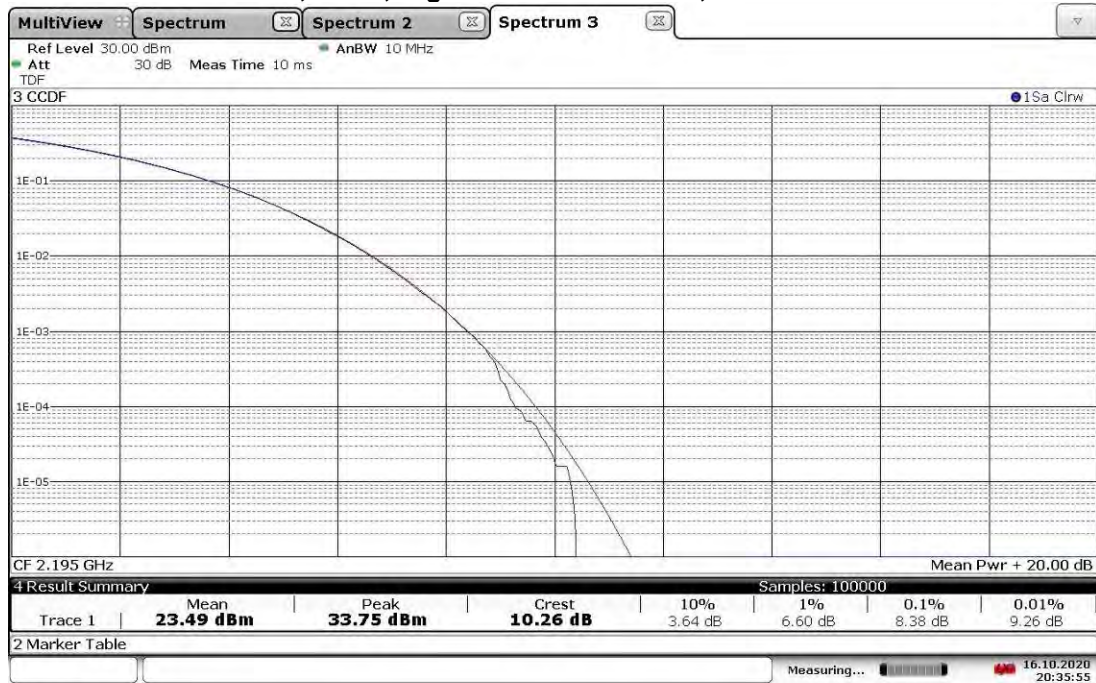


TM3.1a-256QAM_10 MHz Bandwidth
Band 66, ANT0, High Channel 2195 MHz, PAR = 9.88 dB



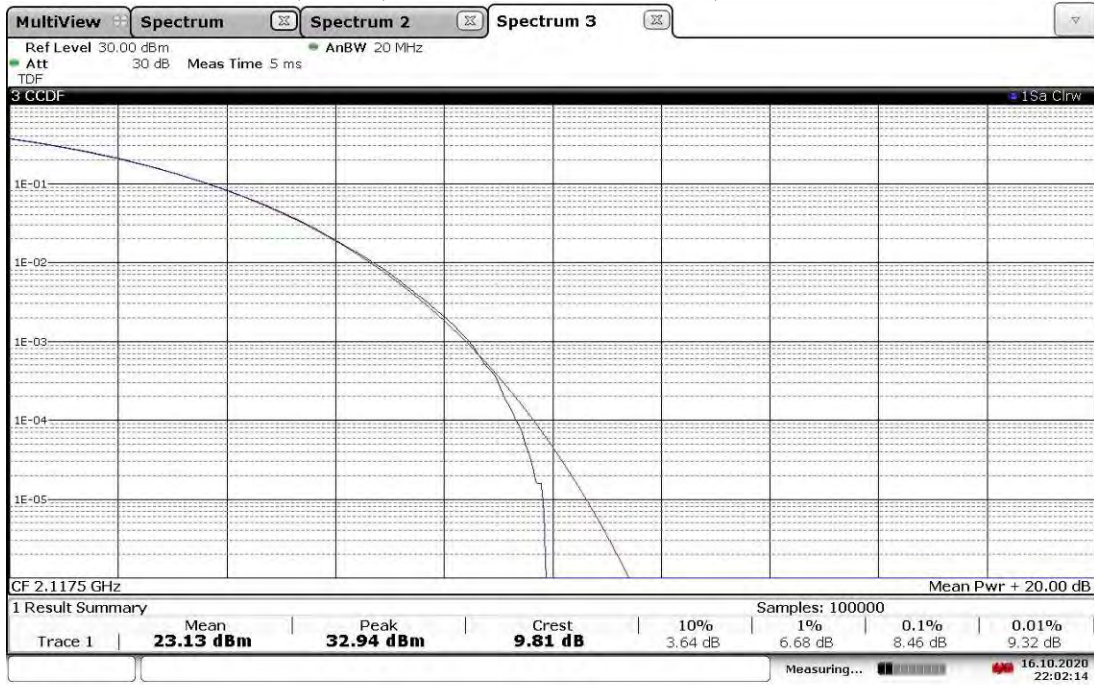
20:38:04 16.10.2020

TM3.1a-256QAM_10 MHz Bandwidth
Band 66, ANT1, High Channel 2195 MHz, PAR = 10.26 dB



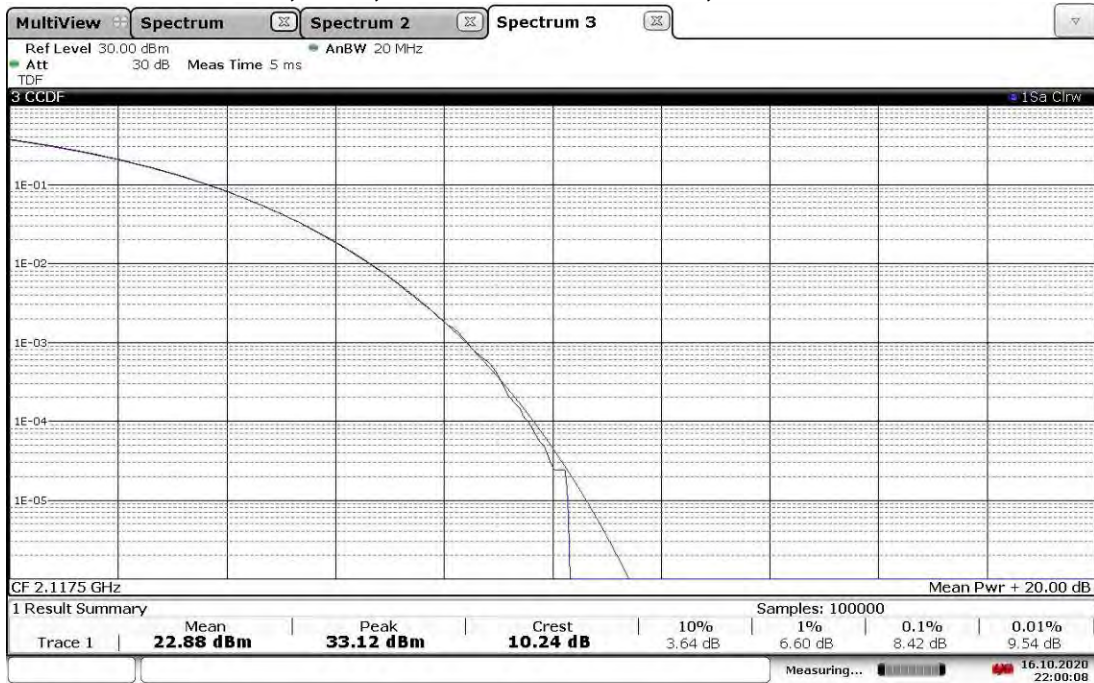
20:35:55 16.10.2020

TM3.1a-256QAM_15 MHz Bandwidth
Band 66, ANT0, Low Channel 2117.5 MHz, PAR = 9.81 dB



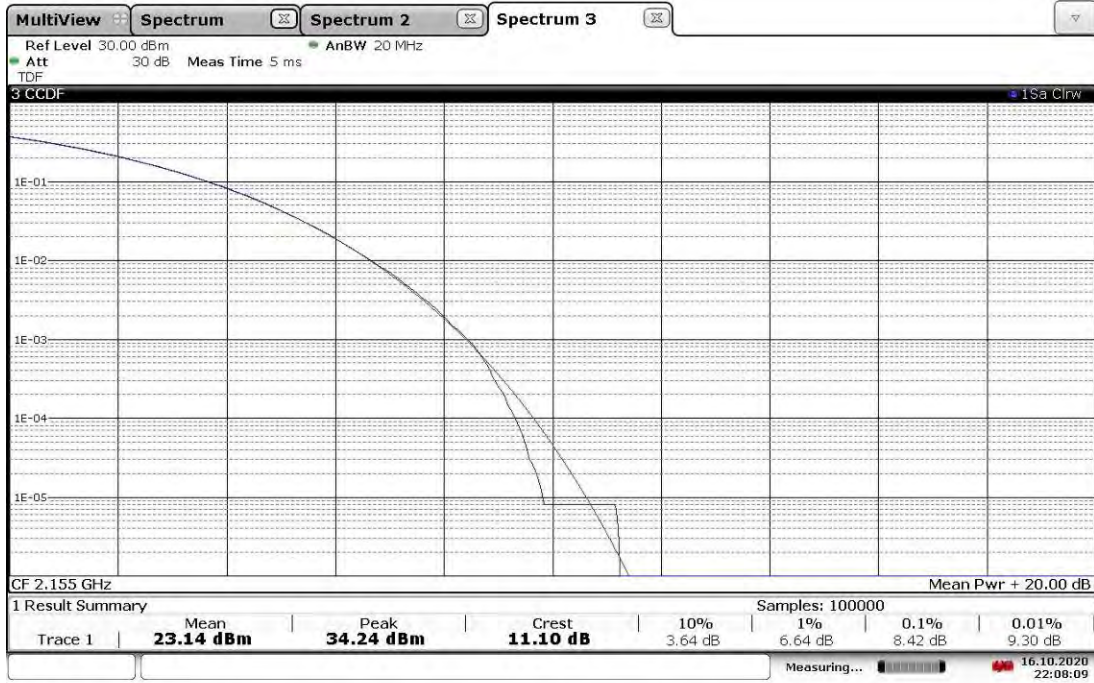
22:02:15 16.10.2020

TM3.1a-256QAM_15 MHz Bandwidth
Band 66, ANT1, Low Channel 2117.5 MHz, PAR = 10.24 dB



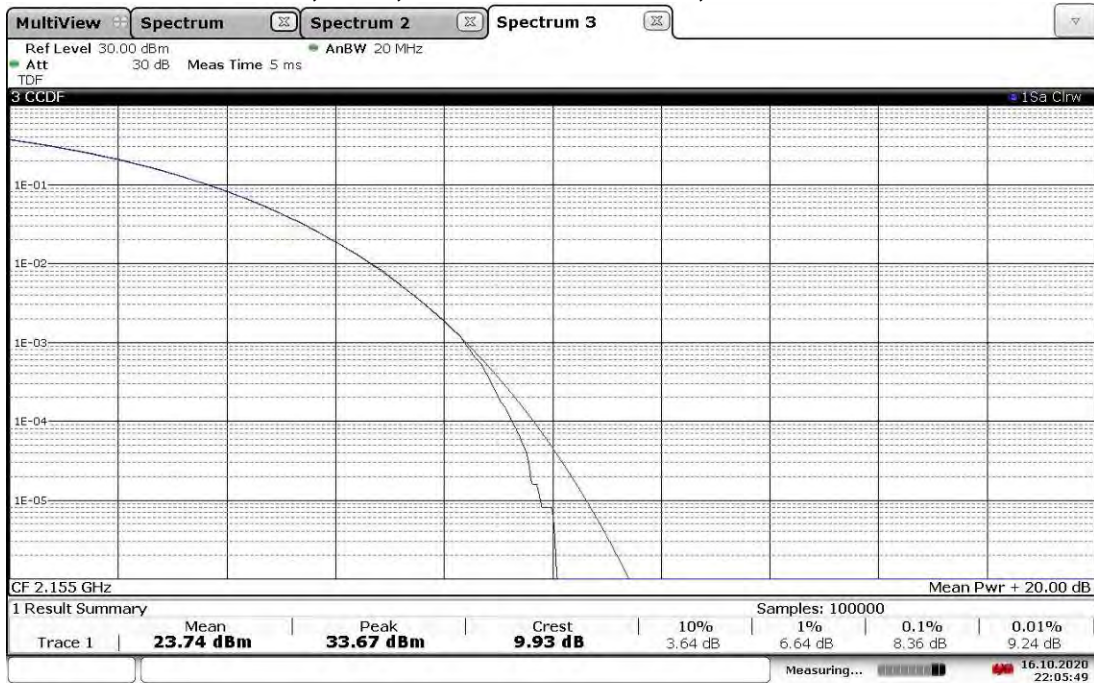
22:00:08 16.10.2020

TM3.1a-256QAM_15 MHz Bandwidth
Band 66, ANT0, Mid Channel 2155 MHz, PAR = 11.10 dB



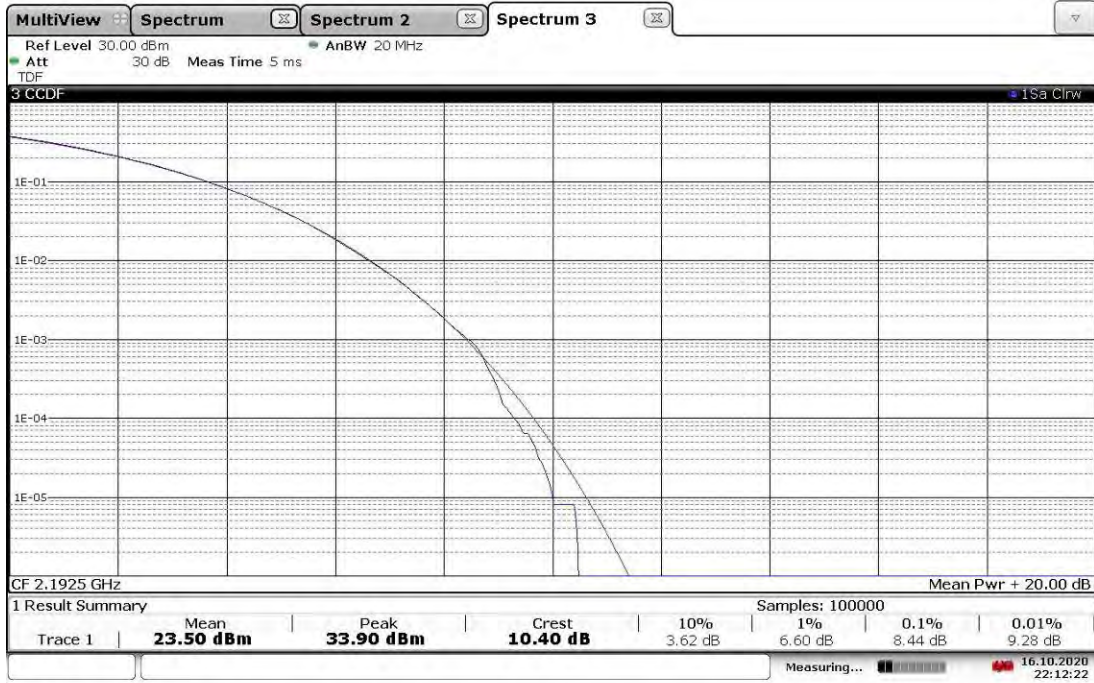
22:08:09 16.10.2020

TM3.1a-256QAM_15 MHz Bandwidth
Band 66, ANT1, Mid Channel 2155 MHz, PAR = 9.93 dB



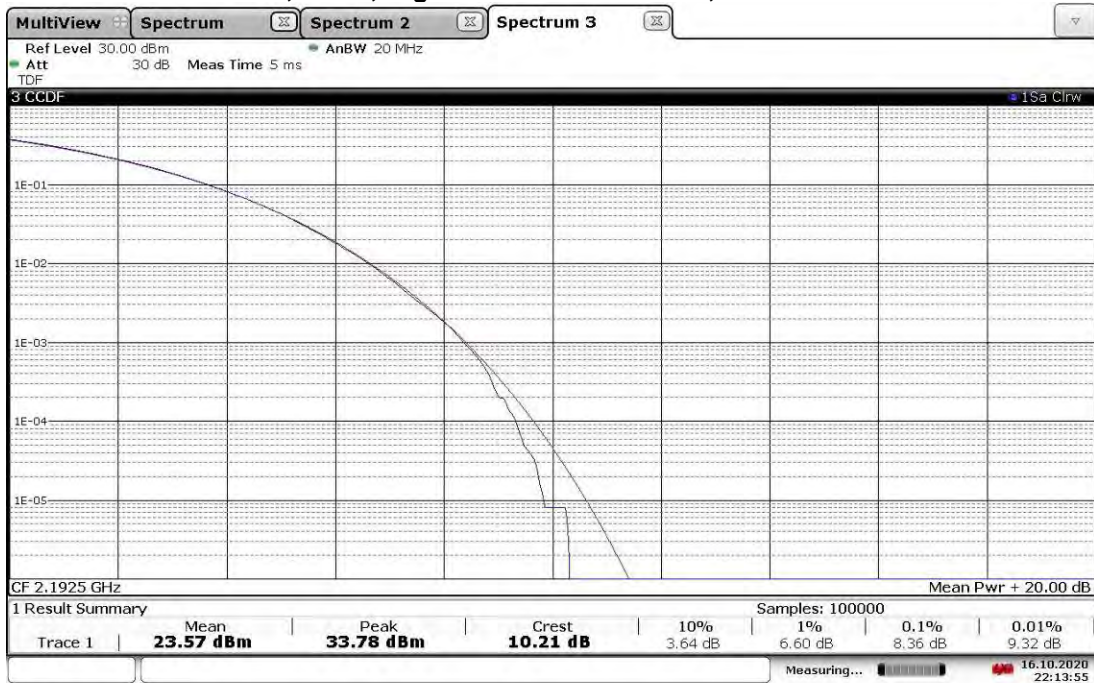
22:05:49 16.10.2020

TM3.1a-256QAM_15 MHz Bandwidth
Band 66, ANT0, High Channel 2192.5 MHz, PAR = 10.40 dB



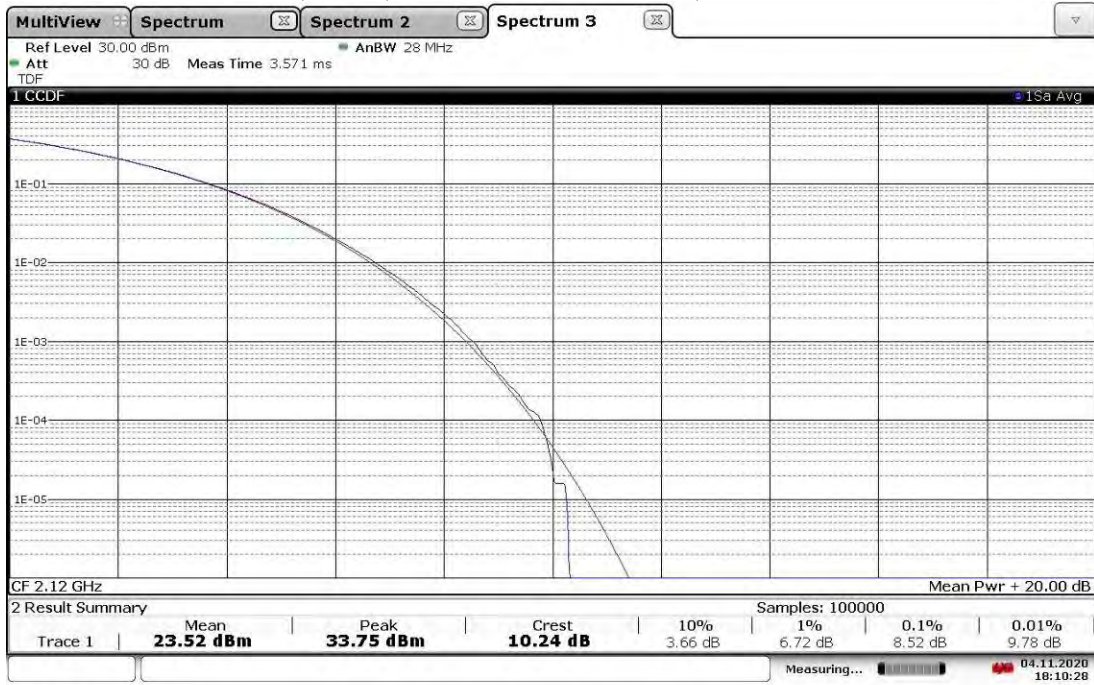
22:12:22 16.10.2020

TM3.1a-256QAM_15 MHz Bandwidth
Band 66, ANT1, High Channel 2192.5 MHz, PAR = 10.11 dB



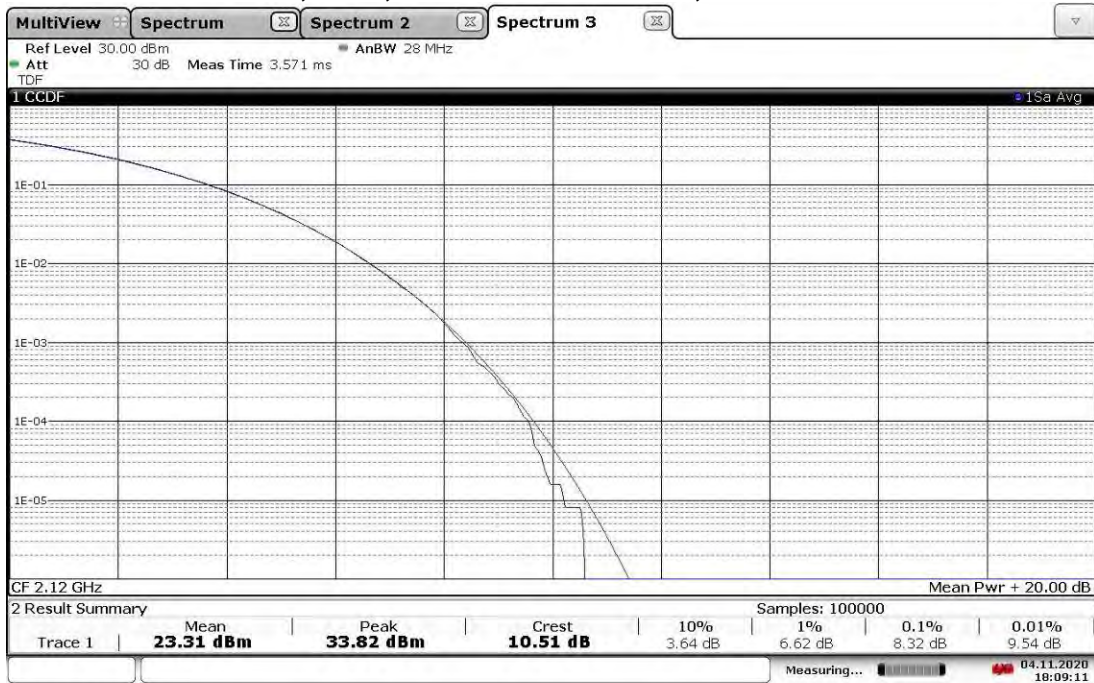
22:13:55 16.10.2020

TM3.1a-256QAM_20 MHz Bandwidth
Band 66, ANT0, Low Channel 2120 MHz, PAR = 10.24 dB



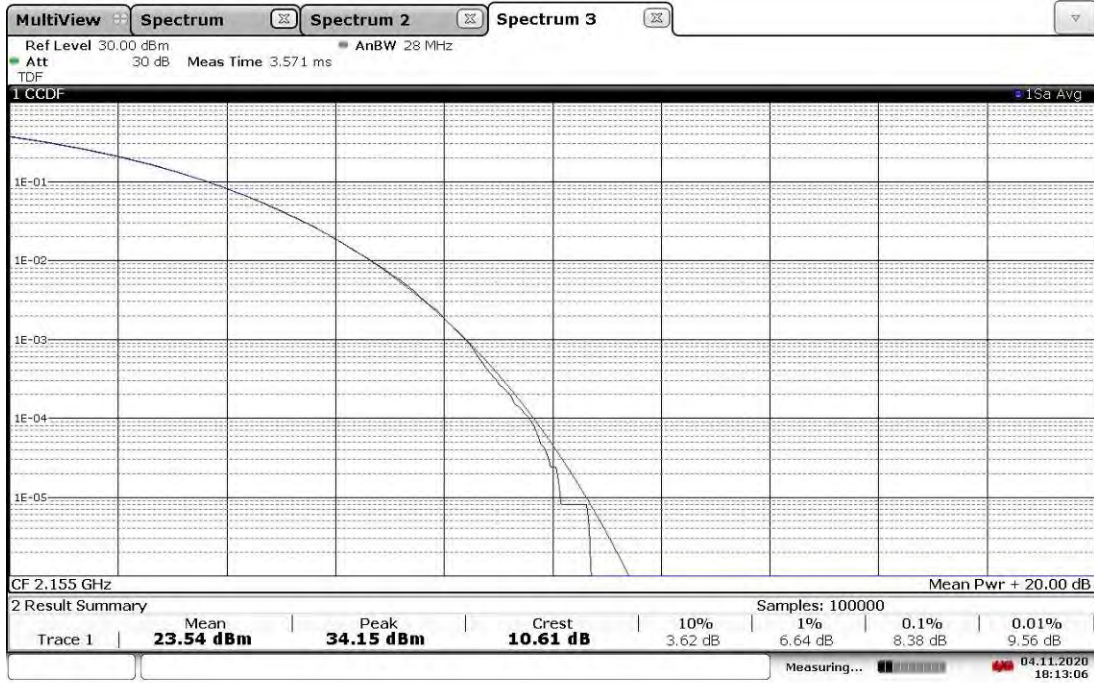
18:10:28 04.11.2020

TM3.1a-256QAM_20 MHz Bandwidth
Band 66, ANT1, Low Channel 2120 MHz, PAR = 10.51 dB



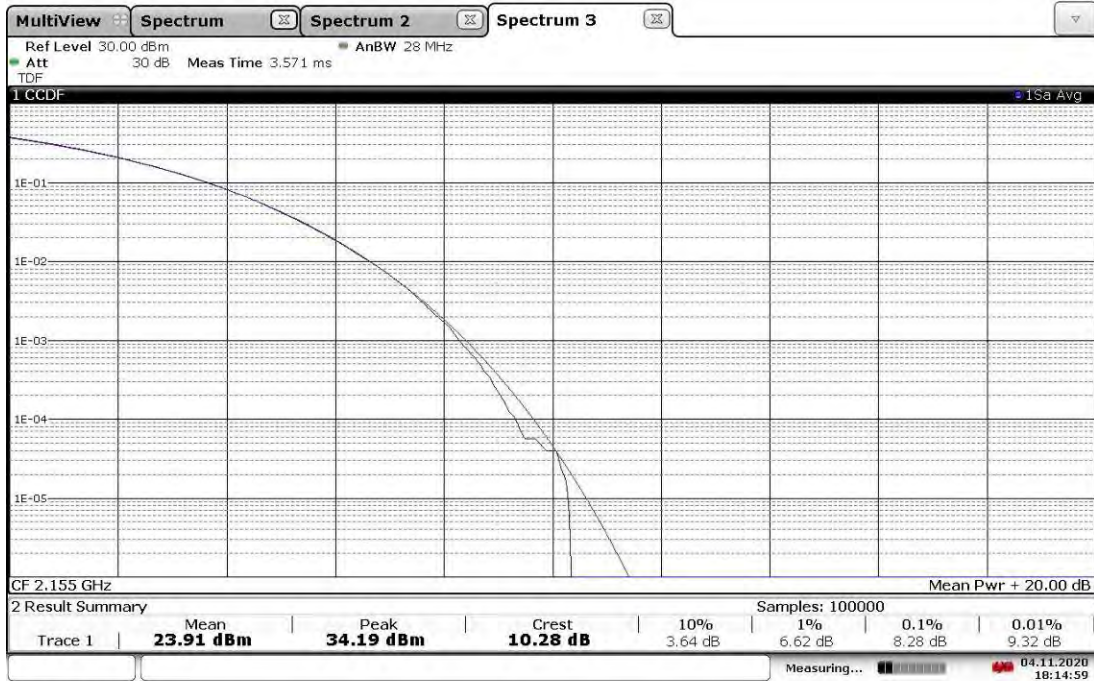
18:09:11 04.11.2020

TM3.1a-256QAM_20 MHz Bandwidth
Band 66, ANT0, Mid Channel 2155 MHz, PAR = 10.61 dB



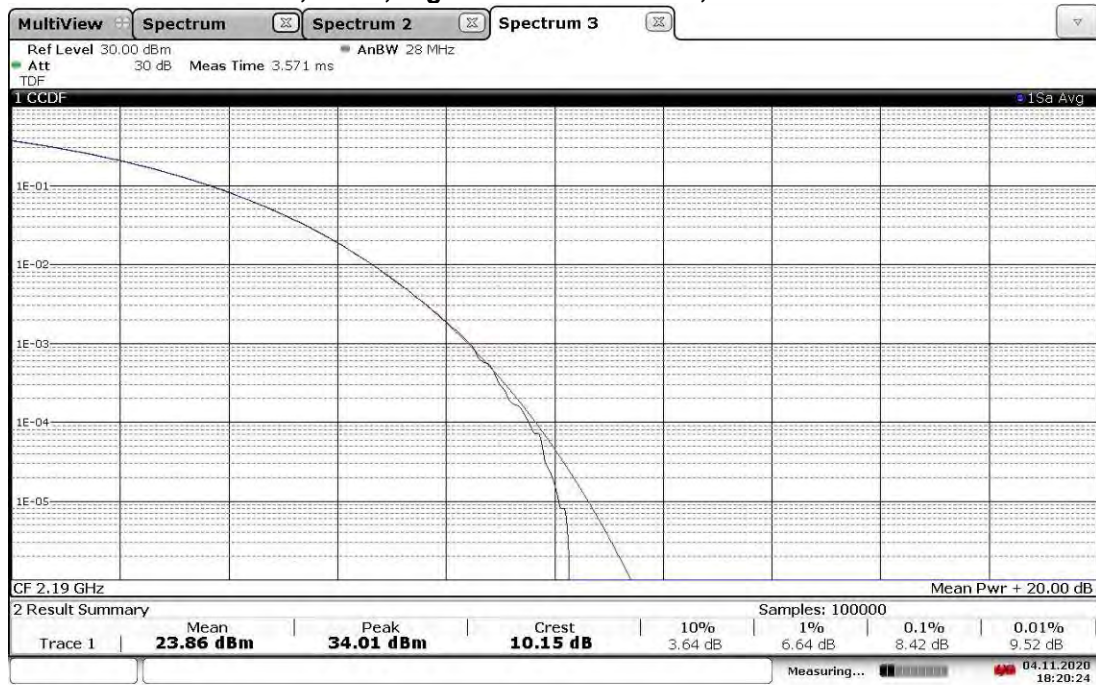
18:13:06 04.11.2020

TM3.1a-256QAM_20 MHz Bandwidth
Band 66, ANT1, Mid Channel 2155 MHz, PAR = 10.28 dB



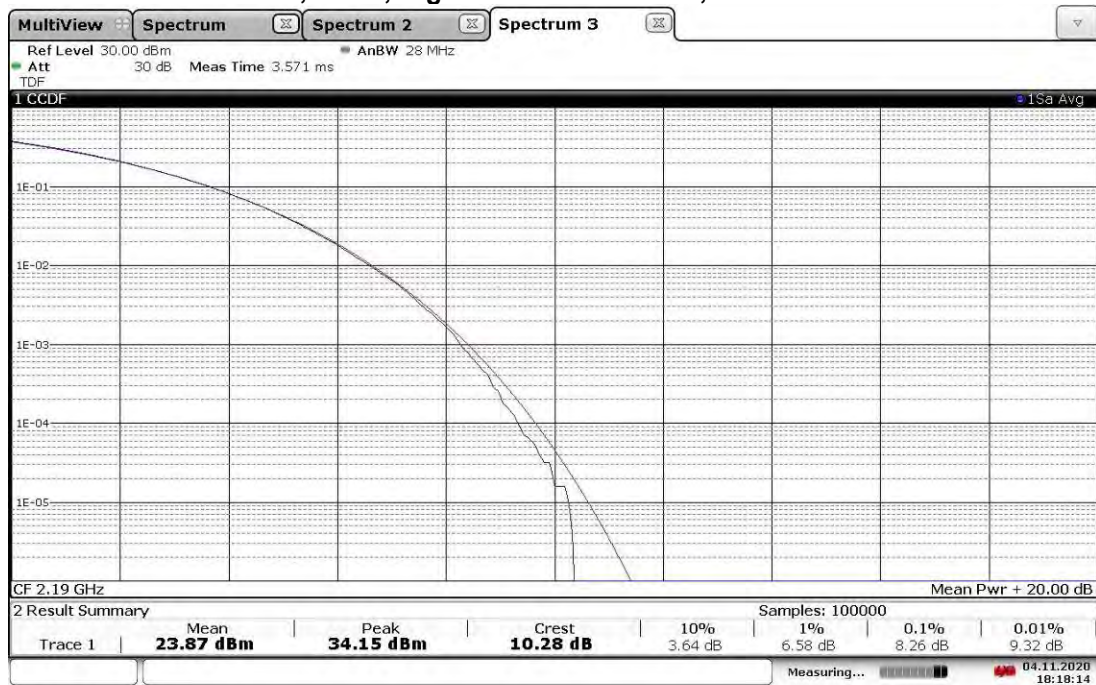
18:14:59 04.11.2020

TM3.1a-256QAM_20 MHz Bandwidth
Band 66, ANT0, High Channel 2190 MHz, PAR = 10.15 dB



18:20:24 04.11.2020

TM3.1a-256QAM_20 MHz Bandwidth
Band 66, ANT1, High Channel 2190 MHz, PAR = 10.28 dB



18:18:14 04.11.2020

Test Personnel: Kouma Sinn *KPS*
 Supervising/Reviewing
 Engineer:
 (Where Applicable) N/A

 Product Standard: FCC Part 27
 Input Voltage: 48 VDC (POE)

 Pretest Verification w/
 Ambient Signals or
 BB Source: N/A

Test Date: 10/16/2020,10/27/2020, 11/04/2020,
11/05/2020

 Limit Applied: See report section 7.3

 Ambient Temperature: 23, 22, 21, 22, 23 °C
 Relative Humidity: 59, 41,21, 24, 59 %
 Atmospheric Pressure: 1008, 1011,1022, 1017, 1008 mbars

Deviations, Additions, or Exclusions: None

8 Band Edge Compliance

8.1 Method

Tests are performed in accordance with ANSI C63.26 and CFR47 FCC Parts 2.1051, 2.1053, and 27.

TEST SITE: EMC Lab & 10m ALSE

The EMC Lab has one Semi-anechoic Chamber and one Shielded Chamber. AC Mains Power is available at 120, 230, and 277 Single Phase; 208, 400, and 480 3-Phase. Large reference ground-planes are installed in the general lab area to facilitate EMC work not requiring a shielded environment.

8.2 Test Equipment Used:

Asset	Description	Manufacturer	Model	Serial	Cal Date	Cal Due
CEN001'	DC-40GHz attenuator 20dB	Centric RF	C411-20	CEN001	01/22/2020	01/22/2021
CBLHF2012-2M-1'	2m 9kHz-40GHz Coaxial Cable - SET1	Huber & Suhner	SF102	252675001	02/17/2020	02/17/2021
ROS005-1'	Signal and Spectrum Analyzer	Rohde & Schwarz	FSW43	100646	10/27/2020	10/27/2021
DAV005'	Weather Station	Davis	6250	MS191218083	02/05/2020	02/05/2021

Software Utilized:

Name	Manufacturer	Version
None	--	--

8.3 Results:

The sample tested was found to Comply.

§ 27.53(h): The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

Intertek

Report Number: 104194737BOX-001

Issued: 11/10/2020

Band 66, Bandwidth: 5 MHz, Modulation: TM1.1-QPSK

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)
Low	2112.50	ANT0	-29.13
		ANT1	-28.65
High	2197.50	ANT0	-28.01
		ANT1	-26.56

Band 66, Bandwidth: 10 MHz, Modulation: TM1.1-QPSK

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)
Low	2115.00	ANT0	-31.90
		ANT1	-32.10
High	2195.00	ANT0	-30.55
		ANT1	-28.98

Band 66, Bandwidth: 15 MHz, Modulation: TM1.1-QPSK

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)
Low	2117.50	ANT0	-33.34
		ANT1	-32.97
High	2192.50	ANT0	-30.63
		ANT1	-31.76

Band 66, Bandwidth: 20 MHz, Modulation: TM1.1-QPSK

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)
Low	2120.00	ANT0	-34.57
		ANT1	-34.50
High	2190.00	ANT0	-33.05
		ANT1	-32.17

Band 66, Bandwidth: 5 MHz, Modulation: TM3.2-16QAM

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)
Low	2112.50	ANT0	-29.63
		ANT1	-29.19
High	2197.50	ANT0	-29.16
		ANT1	-26.79

Band 66, Bandwidth: 10 MHz, Modulation: TM3.2-16QAM

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)
Low	2115.00	ANT0	-32.65
		ANT1	-32.37
High	2195.00	ANT0	-29.18
		ANT1	-30.74

Band 66, Bandwidth: 15 MHz, Modulation: TM3.2-16QAM

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)
Low	2117.50	ANT0	-33.98
		ANT1	-33.45
High	2192.00	ANT0	-32.05
		ANT1	-32.05

Band 66, Bandwidth: 20 MHz, Modulation: TM3.2-16QAM

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)
Low	2120.00	ANT0	-34.30
		ANT1	-30.00
High	2190.00	ANT0	-32.90
		ANT1	-31.89

Intertek

Report Number: 104194737BOX-001

Issued: 11/10/2020

Band 66, Bandwidth: 5 MHz, Modulation: TM3.1-64QAM

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)
Low	2112.50	ANT0	-29.35
		ANT1	-28.81
High	2197.50	ANT0	-28.14
		ANT1	-26.75

Band 66, Bandwidth: 10 MHz, Modulation: TM3.1-64QAM

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)
Low	2115.00	ANT0	-32.26
		ANT1	-31.85
High	2195.00	ANT0	-30.65
		ANT1	-29.17

Band 66, Bandwidth: 15 MHz, Modulation: TM3.1-64QAM

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)
Low	2117.50	ANT0	-33.59
		ANT1	-32.96
High	2192.50	ANT0	-31.96
		ANT1	-30.65

Band 66, Bandwidth: 20 MHz, Modulation: TM3.1-64QAM

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)
Low	2120.00	ANT0	-32.72
		ANT1	-33.76
High	2190.00	ANT0	-32.99
		ANT1	-32.40

Band 66, Bandwidth: 5 MHz, Modulation: TM3.1a-256QAM

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)
Low	2112.50	ANT0	-28.65
		ANT1	-29.19
High	2197.50	ANT0	-28.20
		ANT1	-26.72

Band 66, Bandwidth: 10 MHz, Modulation: TM3.1a-256QAM

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)
Low	2115.00	ANT0	-32.33
		ANT1	-31.94
High	2195.00	ANT0	-30.65
		ANT1	-29.24

Band 66, Bandwidth: 15 MHz, Modulation: TM3.1a-256QAM

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)
Low	2117.50	ANT0	-34.80
		ANT1	-33.77
High	2192.50	ANT0	-31.94
		ANT1	-30.61

Band 66, Bandwidth: 20 MHz, Modulation: TM3.1a-256QAM

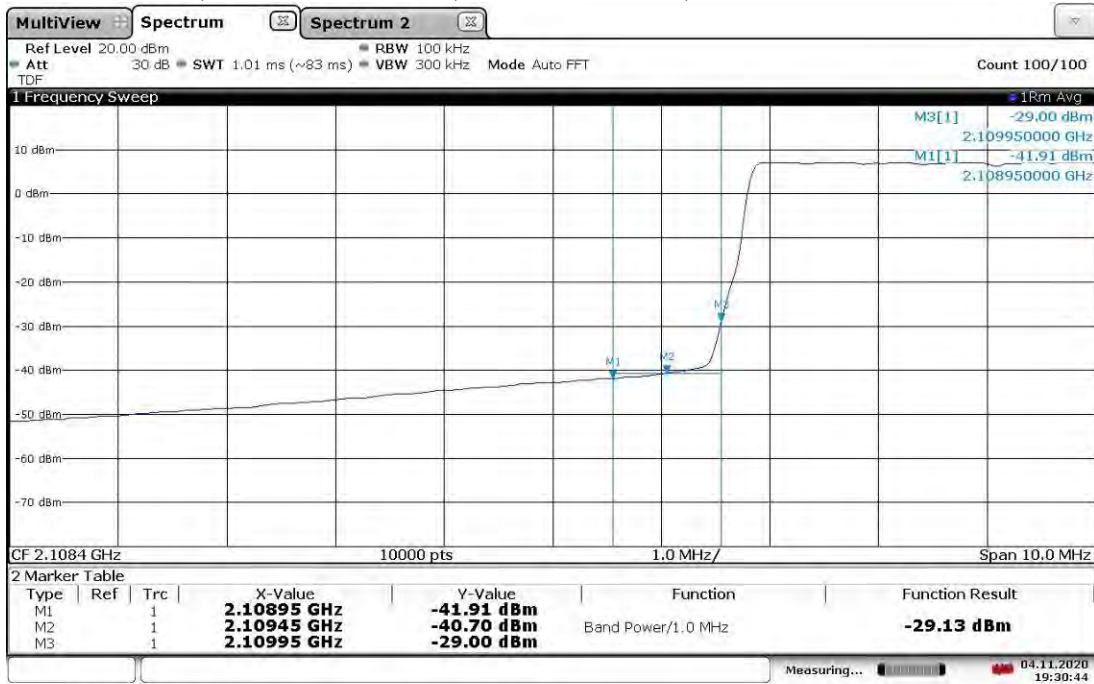
Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)
Low	2120.00	ANT0	-34.45
		ANT1	-34.15
High	2190.00	ANT0	-33.51
		ANT1	-32.50

8.4 Setup Photograph:



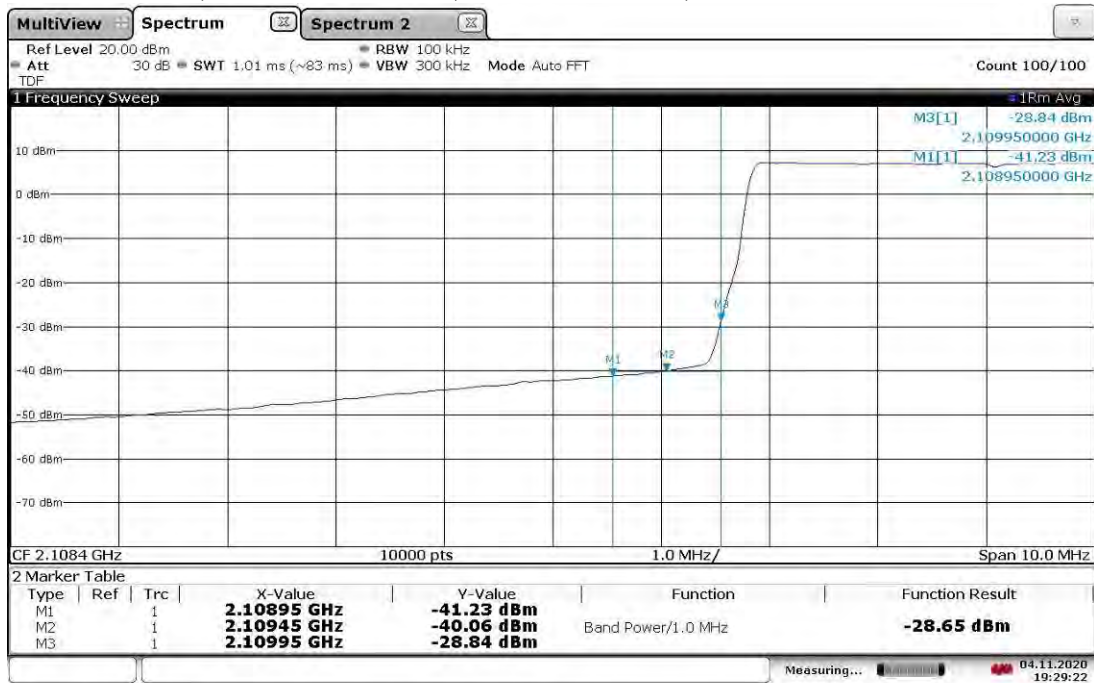
8.5 Plots/Data:

Band Edge Compliant, Lower Band Edge, 2112.5 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 5 MHz, Modulation: TM1.1-QPSK



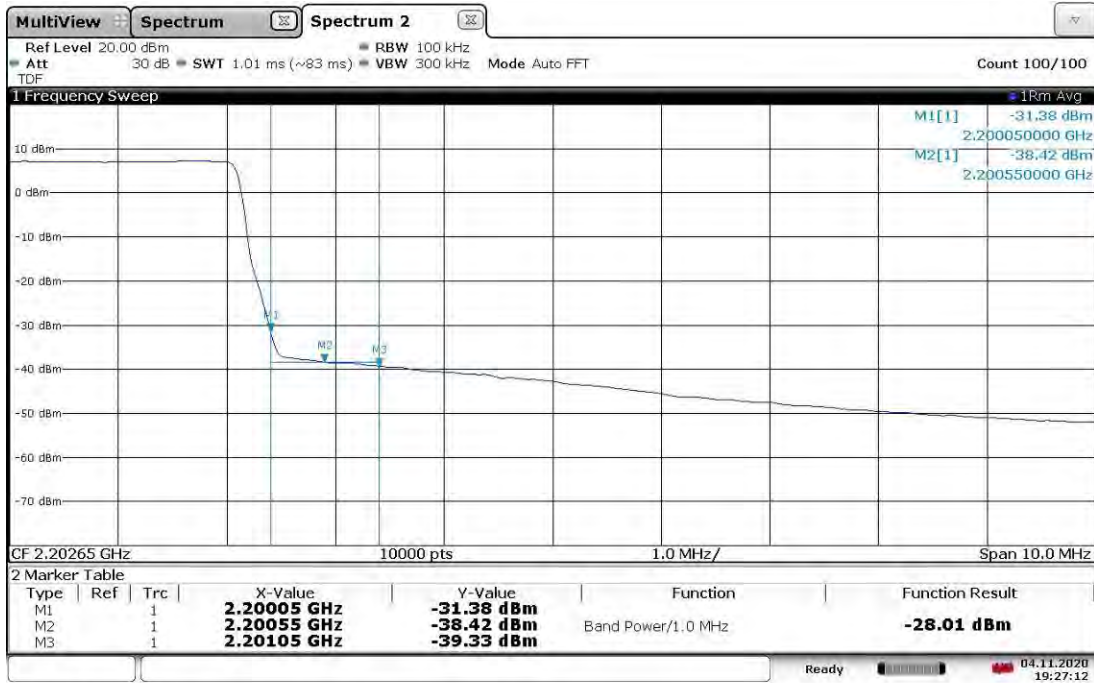
19:30:45 04.11.2020

Band Edge Compliant, Lower Band Edge, 2112.5 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 5 MHz, Modulation: TM1.1-QPSK



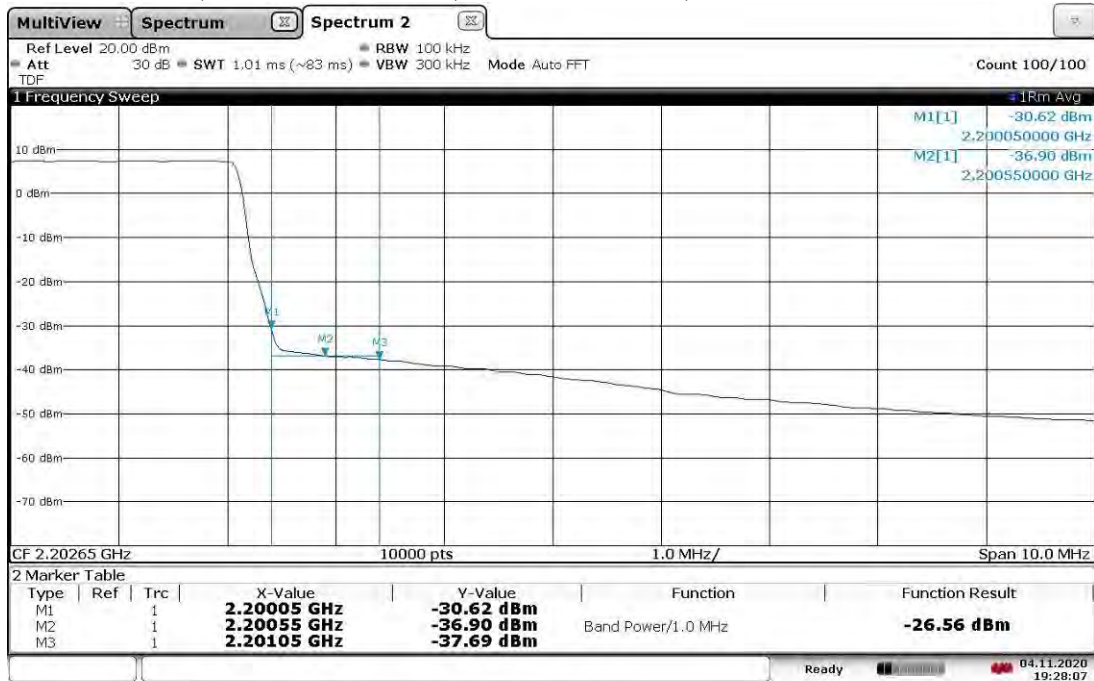
19:29:22 04.11.2020

Band Edge Compliant, Upper Band Edge, 2197.5 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 5 MHz, Modulation: TM1.1-QPSK



19:27:12 04.11.2020

Band Edge Compliant, Upper Band Edge, 2197.5 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 5 MHz, Modulation: TM1.1-QPSK



19:28:09 04.11.2020

Band Edge Compliant, Lower Band Edge, 2115 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 10 MHz, Modulation: TM1.1-QPSK



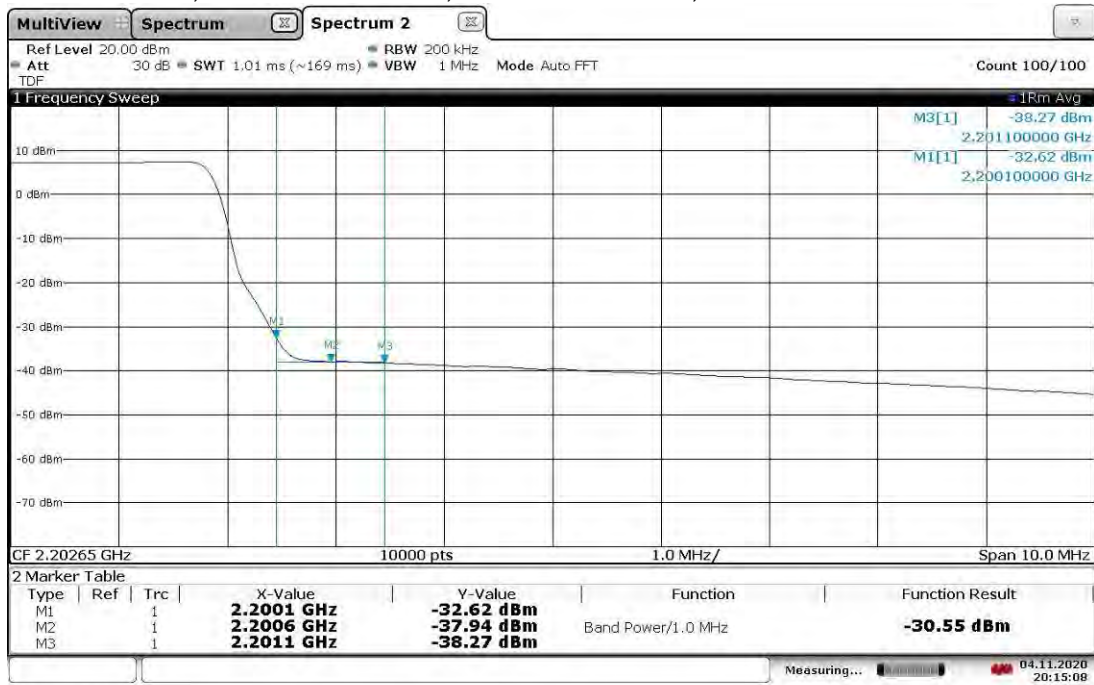
20:10:50 04.11.2020

Band Edge Compliant, Lower Band Edge, 2115 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 10 MHz, Modulation: TM1.1-QPSK



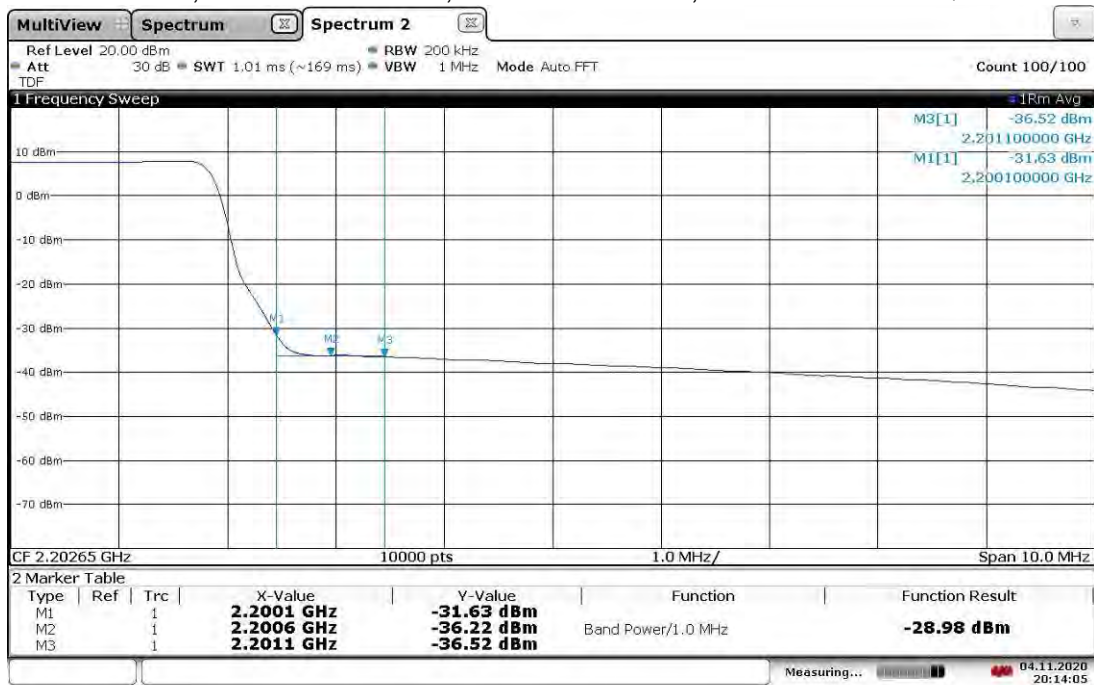
20:12:55 04.11.2020

Band Edge Compliant, Upper Band Edge, 2195 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 10 MHz, Modulation: TM1.1-QPSK



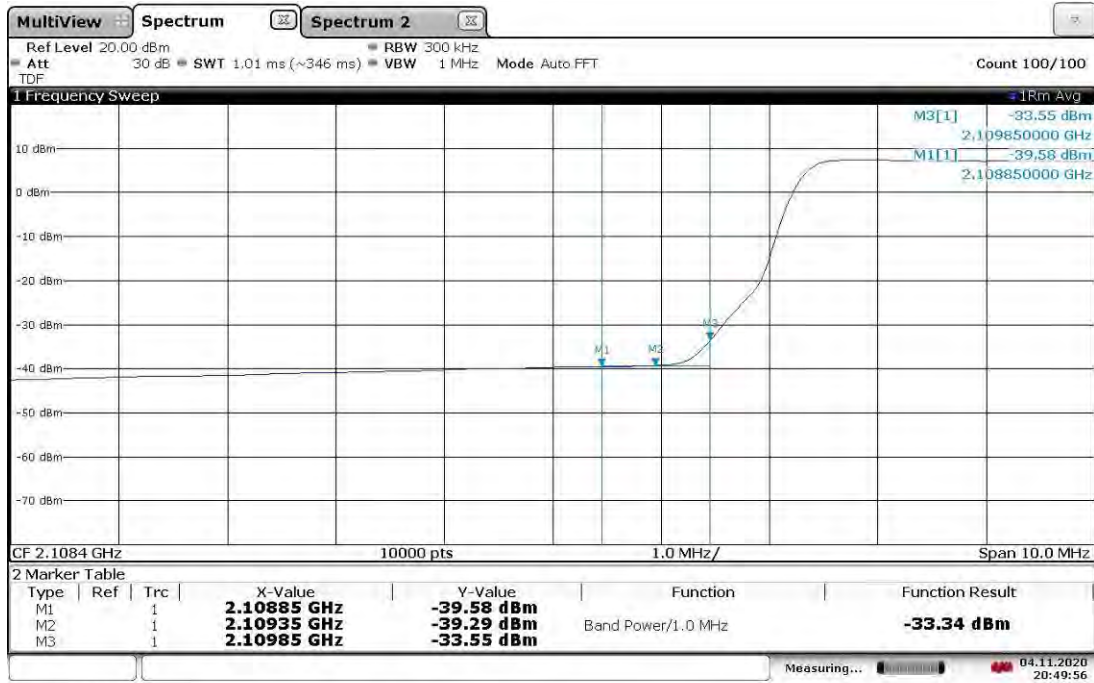
20:15:09 04.11.2020

Band Edge Compliant, Upper Band Edge, 2195 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 10 MHz, Modulation: TM1.1-QPSK



20:14:06 04.11.2020

Band Edge Compliant, Lower Band Edge, 2117.5 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 15 MHz, Modulation: TM1.1-QPSK



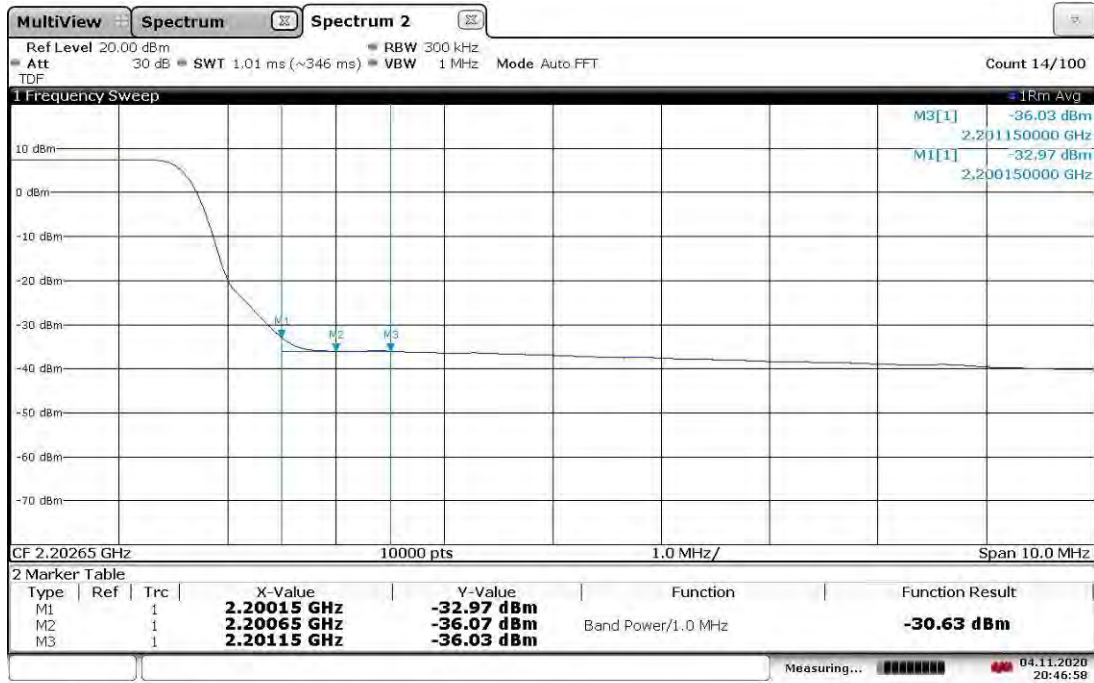
20:49:57 04.11.2020

Band Edge Compliant, Lower Band Edge, 2117.5 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 15 MHz, Modulation: TM1.1-QPSK



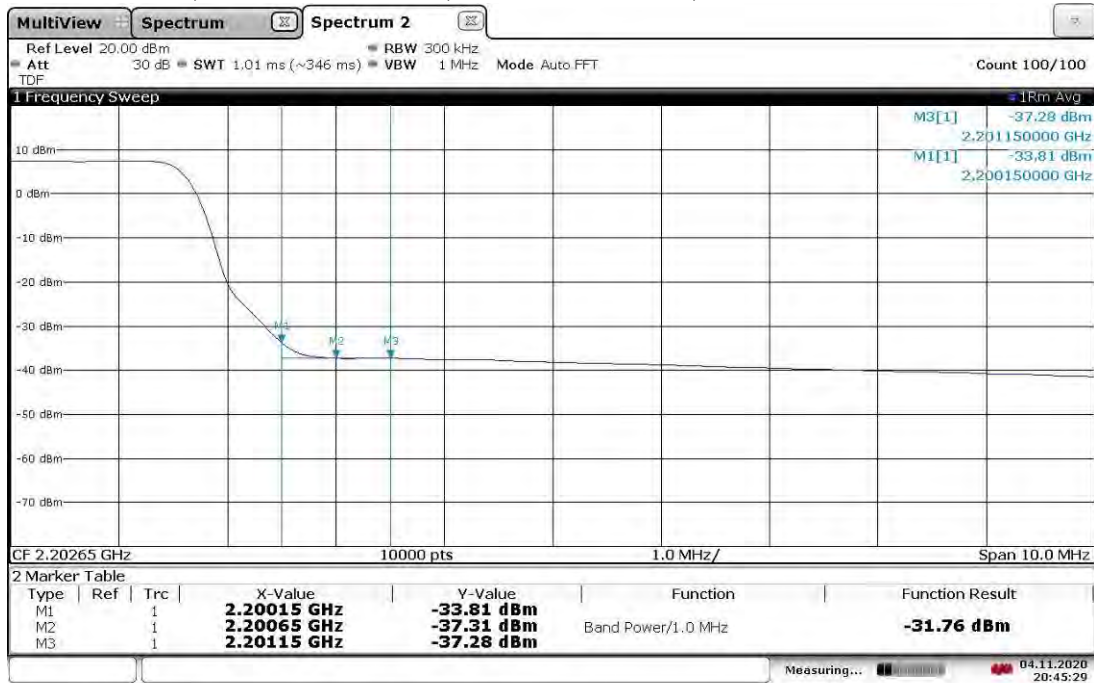
20:48:24 04.11.2020

Band Edge Compliant, Upper Band Edge, 2192.5 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 15 MHz, Modulation: TM1.1-QPSK



20:46:59 04.11.2020

Band Edge Compliant, Upper Band Edge, 2192.5 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 15 MHz, Modulation: TM1.1-QPSK



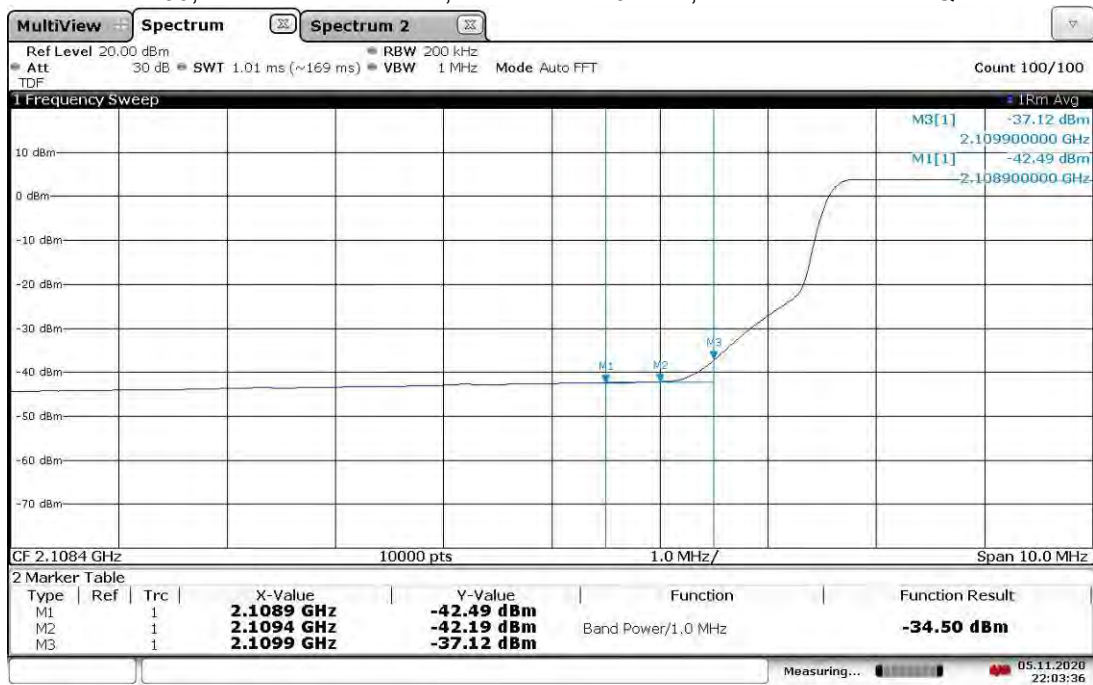
20:45:30 04.11.2020

Band Edge Compliant, Lower Band Edge, 2120 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 20 MHz, Modulation: TM1.1-QPSK



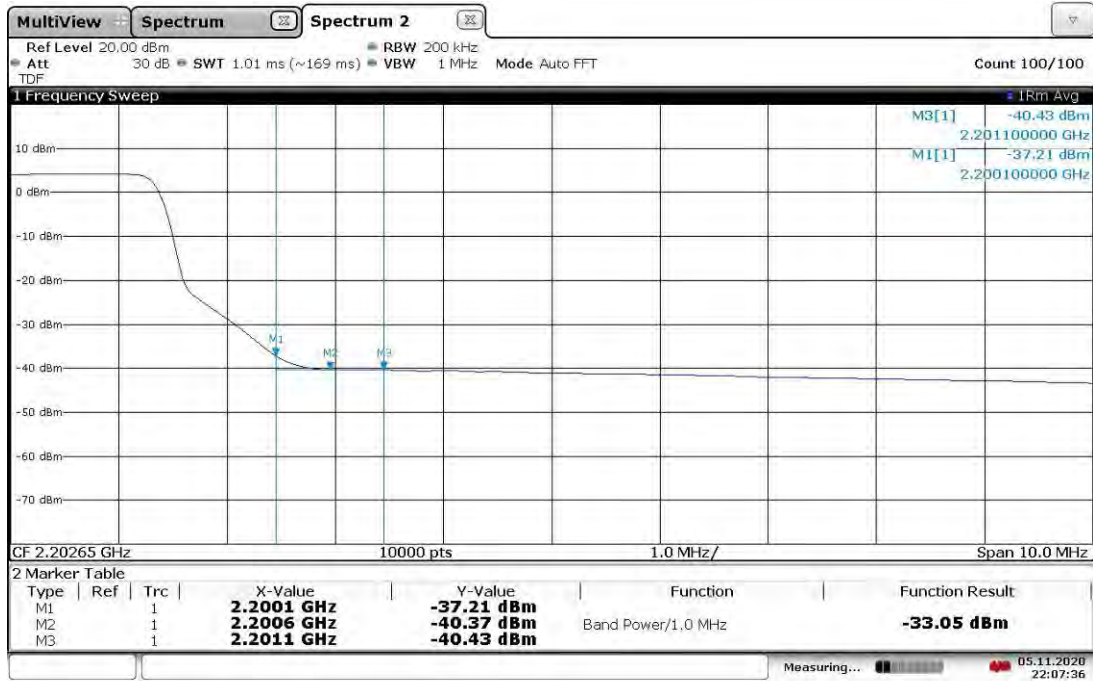
22:06:24 05.11.2020

Band Edge Compliant, Lower Band Edge, 2120 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 20 MHz, Modulation: TM1.1-QPSK



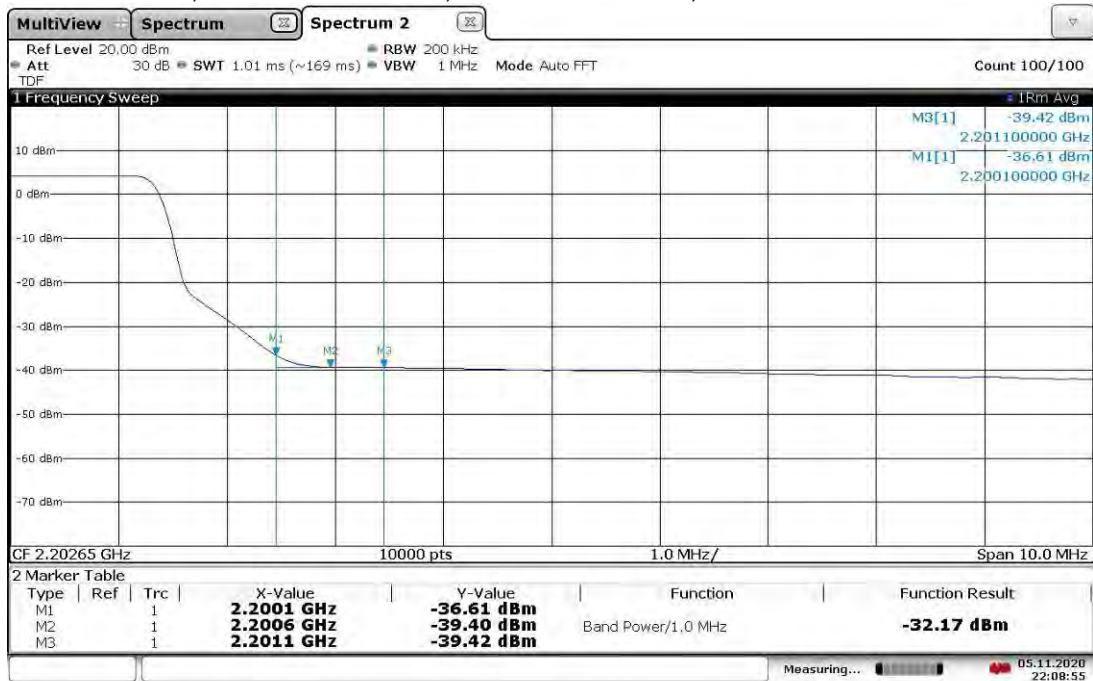
22:03:37 05.11.2020

Band Edge Compliant, Upper Band Edge, 2190 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 20 MHz, Modulation: TM1.1-QPSK



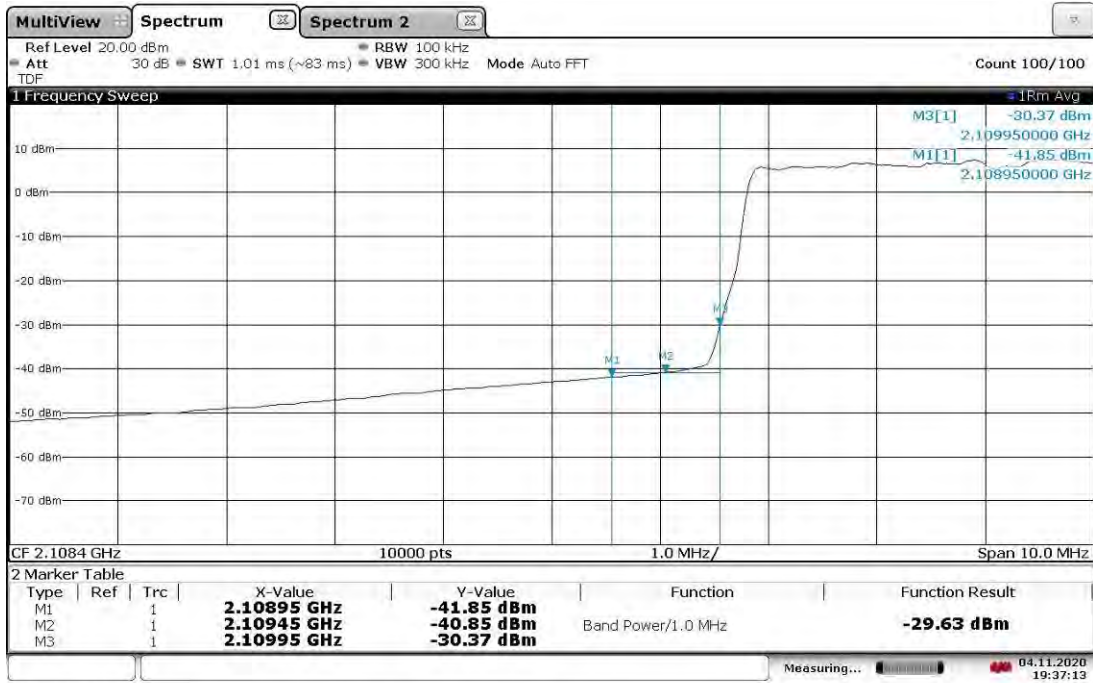
22:07:36 05.11.2020

Band Edge Compliant, Upper Band Edge, 2190 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 20 MHz, Modulation: TM1.1-QPSK



22:08:55 05.11.2020

Band Edge Compliant, Lower Band Edge, 2112.5 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 5 MHz, Modulation: TM3.2-16QAM



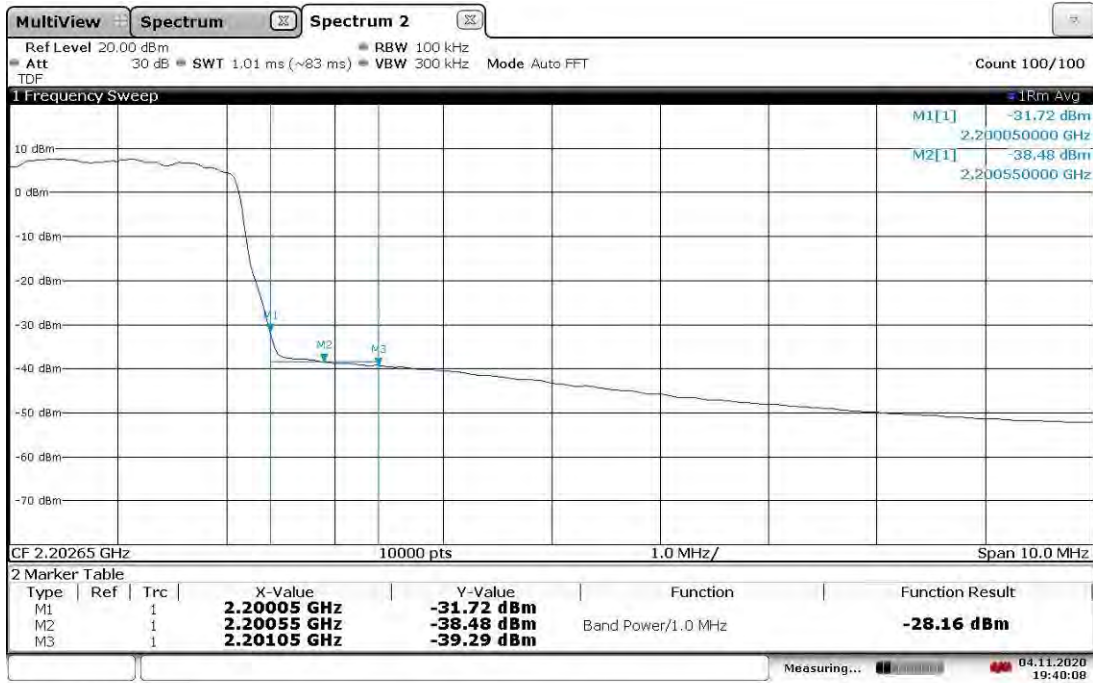
19:37:14 04.11.2020

Band Edge Compliant, Lower Band Edge, 2112.5MHz
Band 66, Antenna Port: ANT1, Bandwidth: 5 MHz, Modulation: TM3.2-16QAM



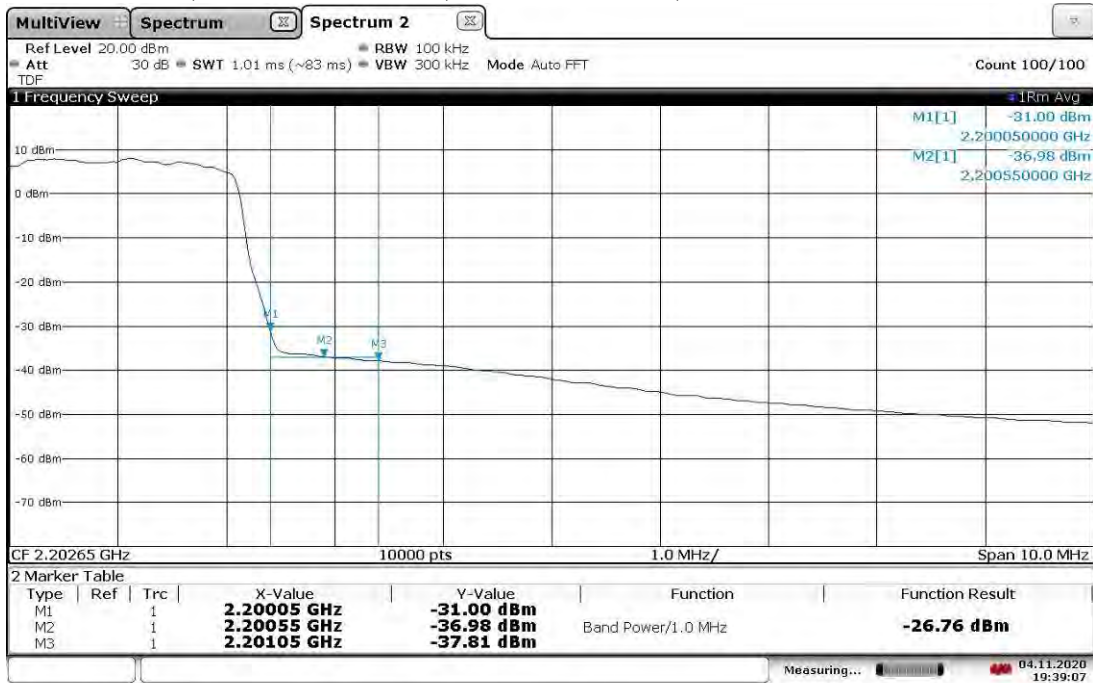
19:38:08 04.11.2020

Band Edge Compliant, Upper Band Edge, 2197.5 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 5 MHz, Modulation: TM3.2-16QAM



19:40:09 04.11.2020

Band Edge Compliant, Upper Band Edge, 2197.5 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 5 MHz, Modulation: TM3.2-16QAM



19:39:07 04.11.2020

Band Edge Compliant, Lower Band Edge, 2115 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 10 MHz, Modulation: TM3.2-16QAM



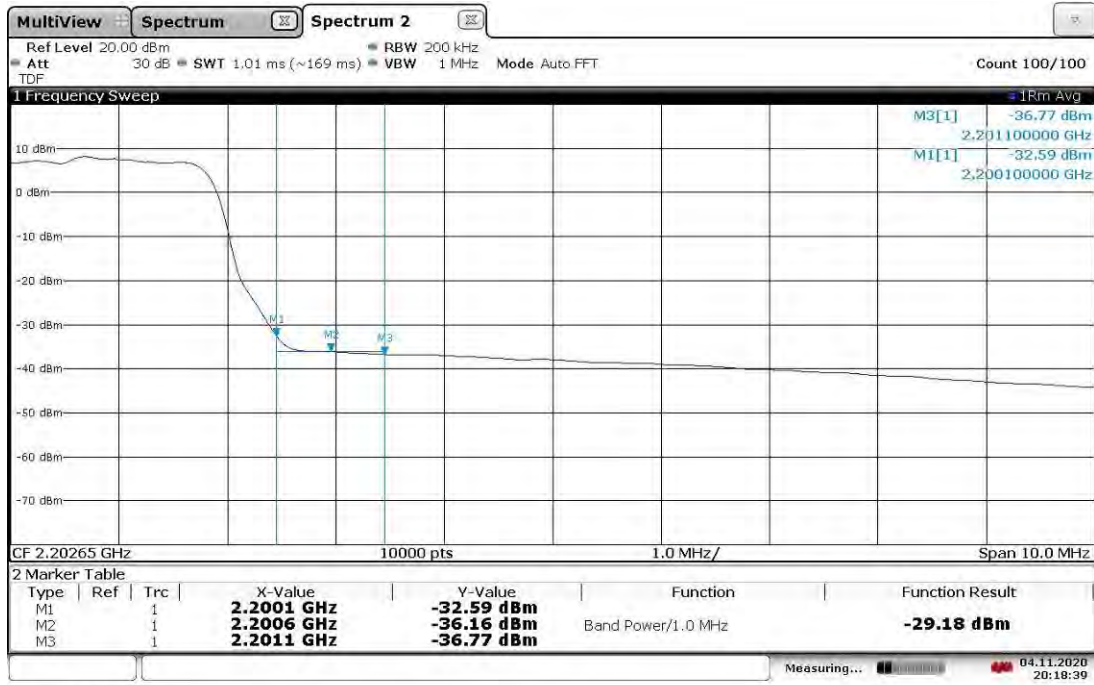
20:16:45 04.11.2020

Band Edge Compliant, Lower Band Edge, 2115 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 10 MHz, Modulation: TM3.2-16QAM



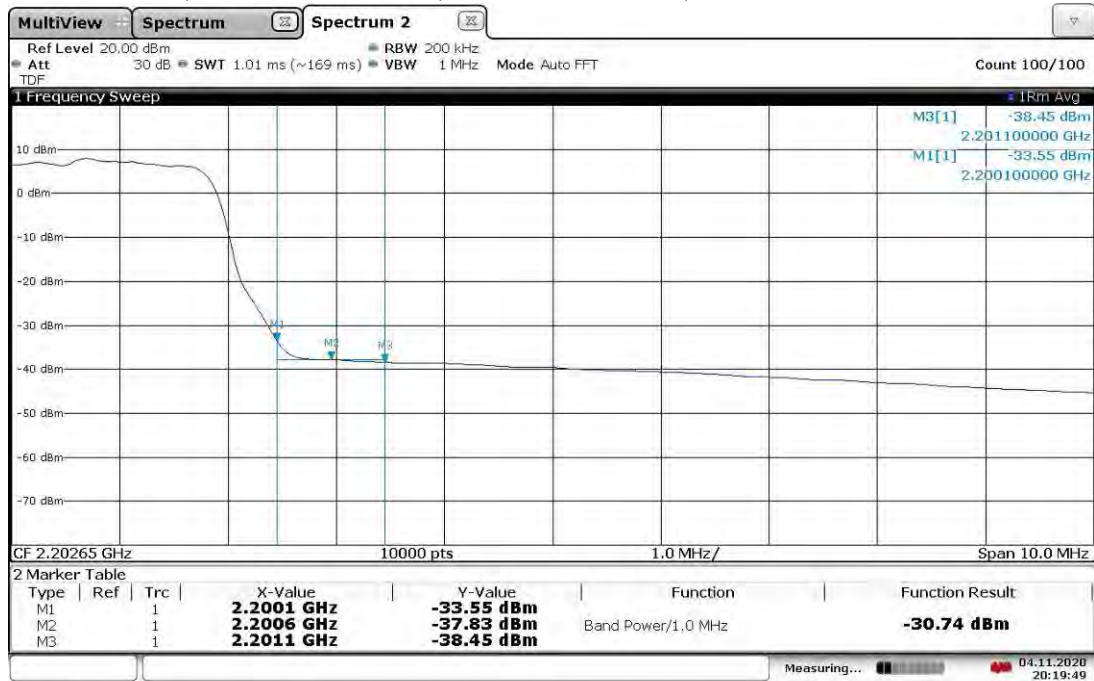
20:17:42 04.11.2020

Band Edge Compliant, Upper Band Edge, 2195 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 10 MHz, Modulation: TM3.2-16QAM



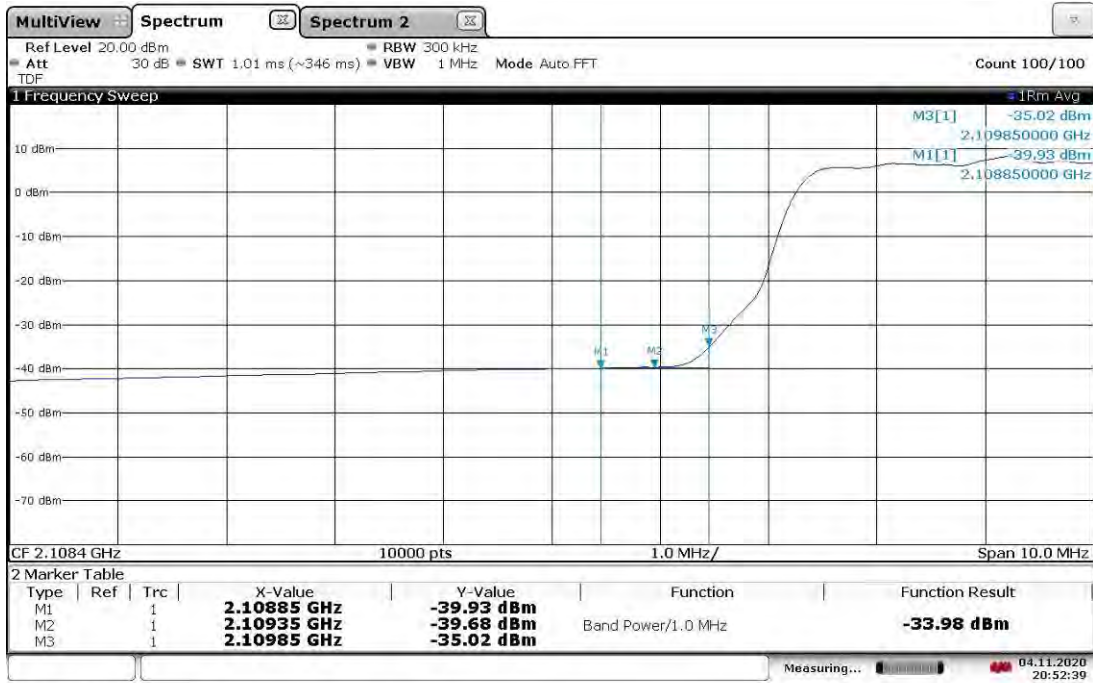
20:18:39 04.11.2020

Band Edge Compliant, Upper Band Edge, 2195 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 10 MHz, Modulation: TM3.2-16QAM



20:19:49 04.11.2020

Band Edge Compliant, Lower Band Edge, 2117.5 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 15 MHz, Modulation: TM3.2-16QAM



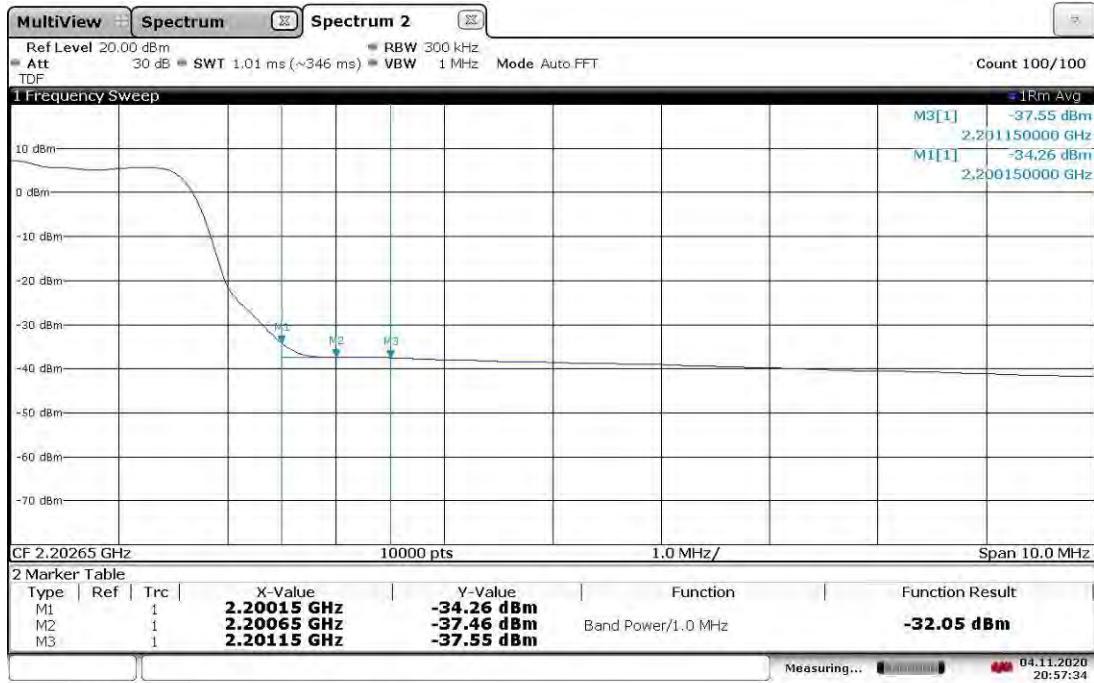
20:52:40 04.11.2020

Band Edge Compliant, Lower Band Edge, 2117.5 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 15 MHz, Modulation: TM3.2-16QAM



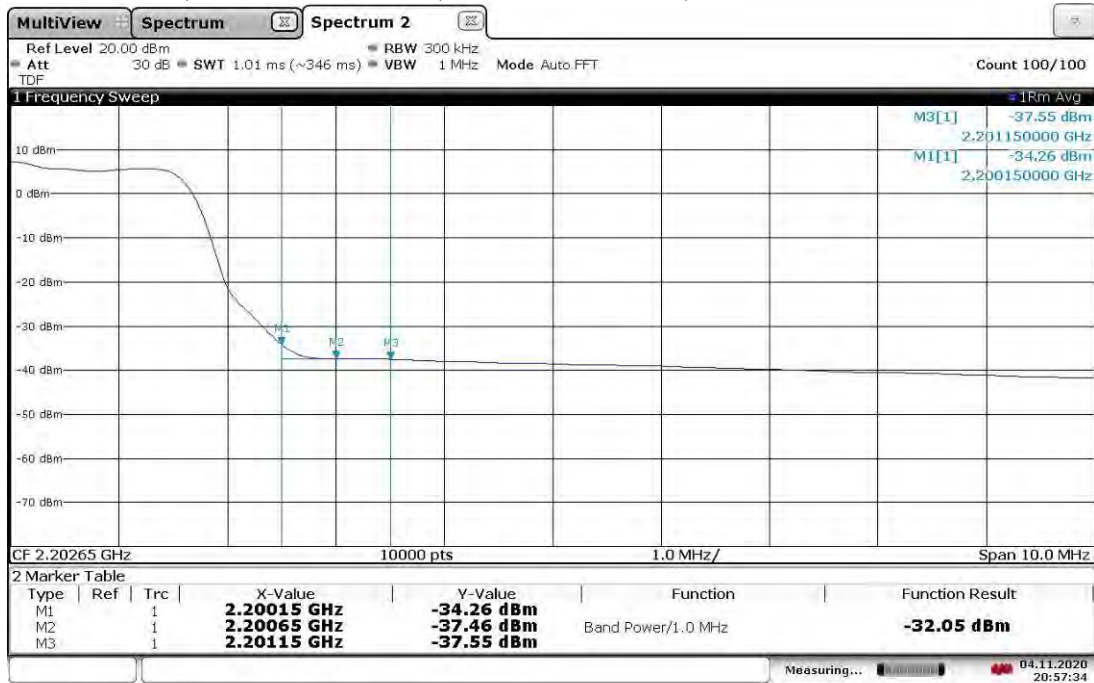
20:53:43 04.11.2020

Band Edge Compliant, Upper Band Edge, 2192.5 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 15 MHz, Modulation: TM3.2-16QAM



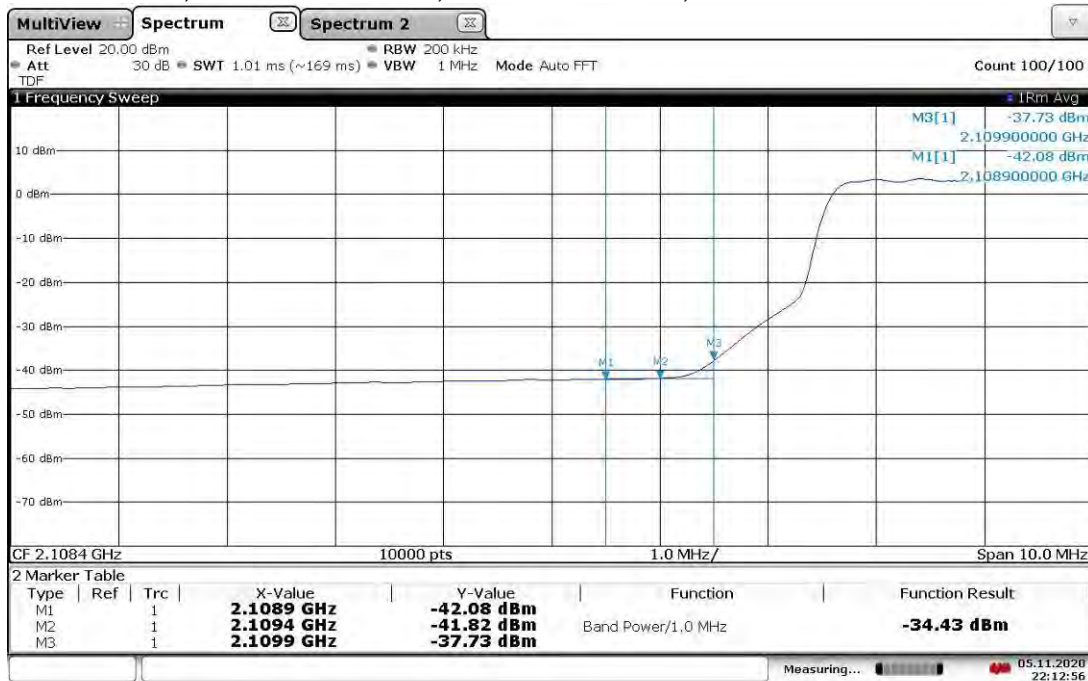
20:57:35 04.11.2020

Band Edge Compliant, Upper Band Edge, 2192.5 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 15 MHz, Modulation: TM3.2-16QAM



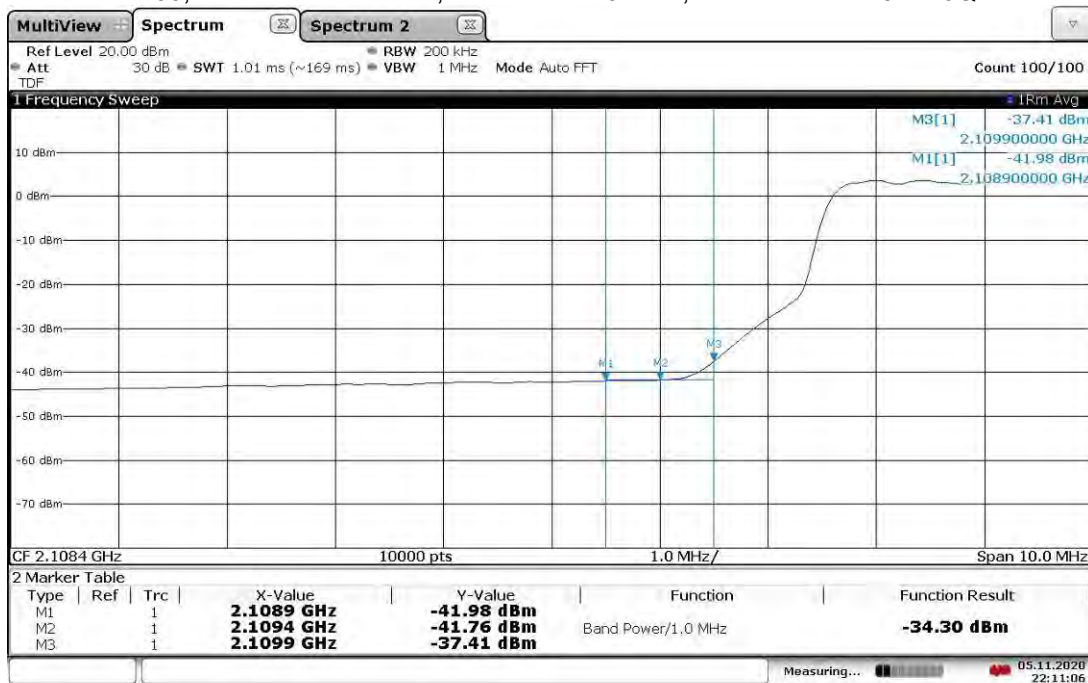
20:57:35 04.11.2020

Band Edge Compliant, Lower Band Edge, 2120 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 20 MHz, Modulation: TM3.2-16QAM



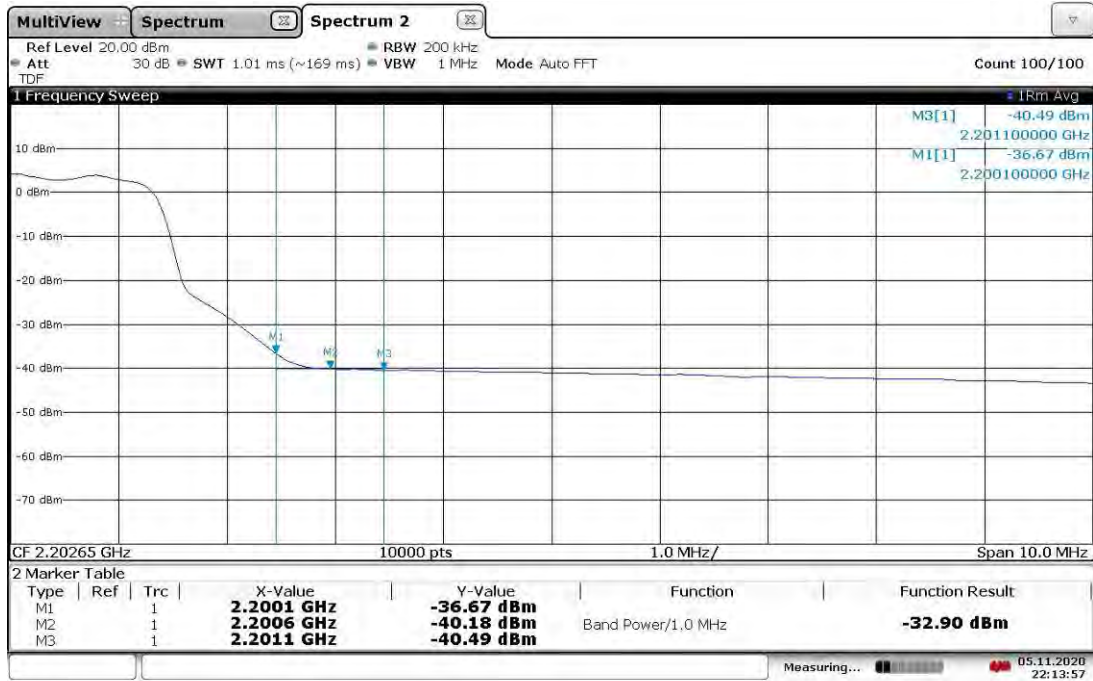
22:12:56 05.11.2020

Band Edge Compliant, Lower Band Edge, 2120 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 20 MHz, Modulation: TM3.2-16QAM



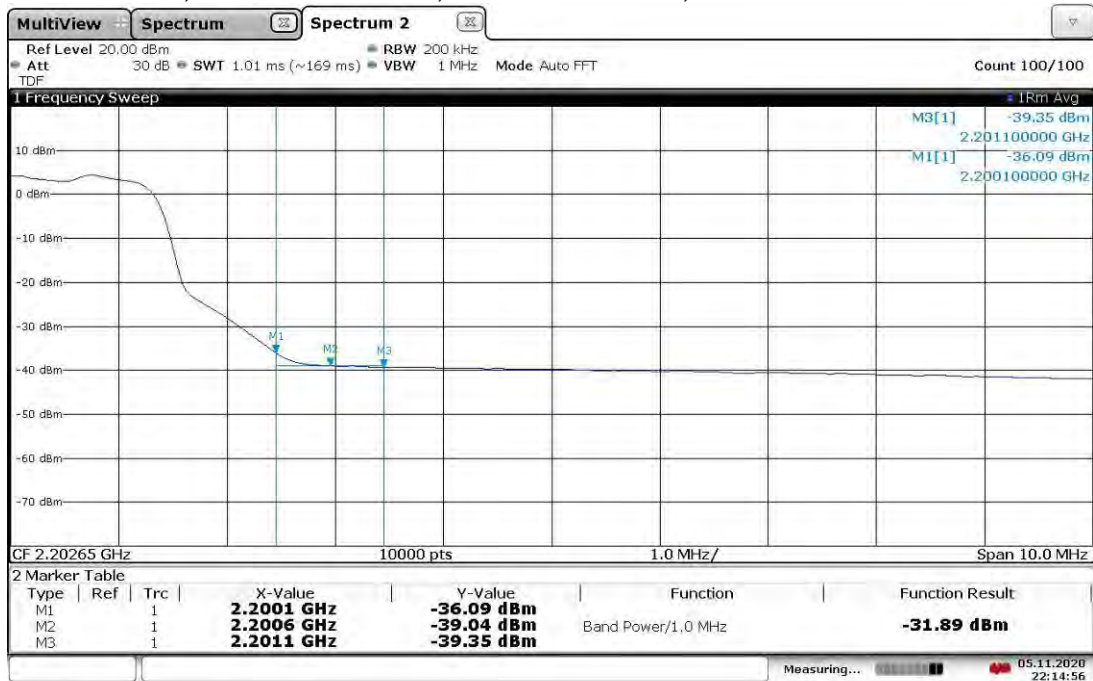
22:11:06 05.11.2020

Band Edge Compliant, Upper Band Edge, 2190 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 20 MHz, Modulation: TM3.2-16QAM



22:13:58 05.11.2020

Band Edge Compliant, Upper Band Edge, 2190 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 20 MHz, Modulation: TM3.2-16QAM



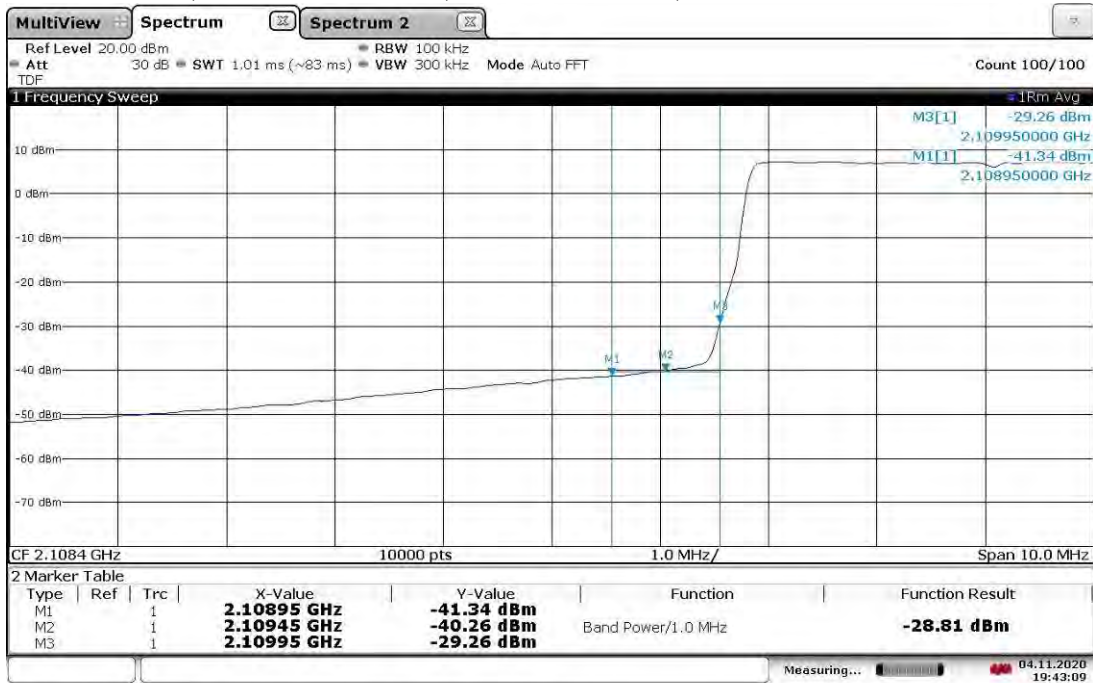
22:14:57 05.11.2020

Band Edge Compliant, Lower Band Edge, 2112.5 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 5 MHz, Modulation: TM3.1-64QAM



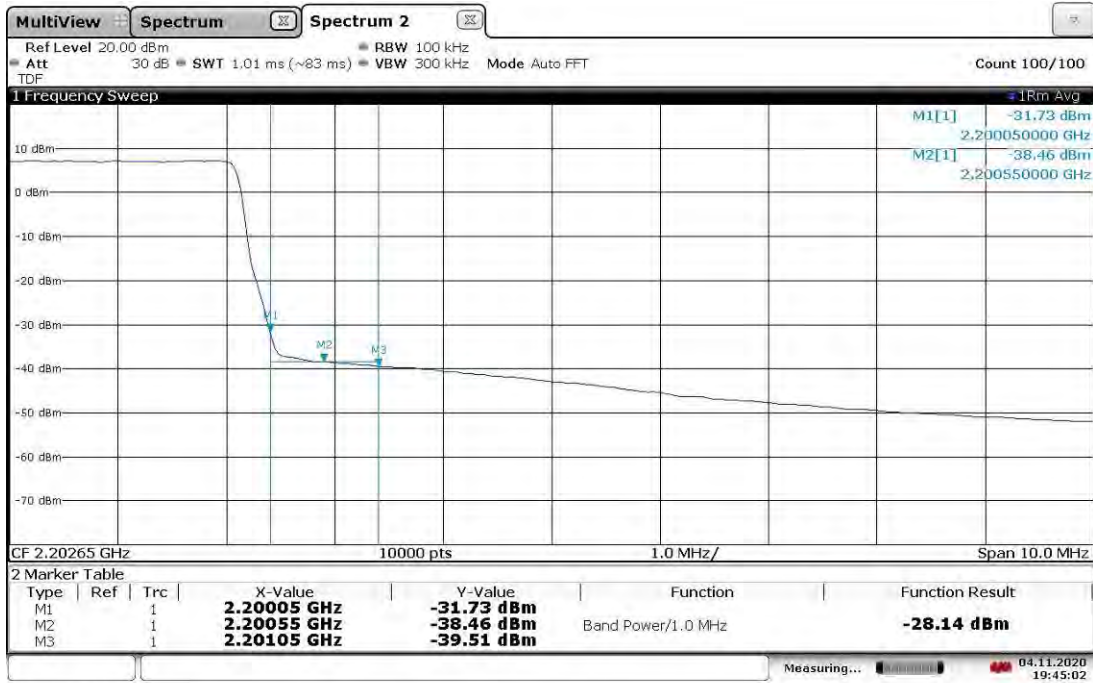
19:42:10 04.11.2020

Band Edge Compliant, Lower Band Edge, 2112.5 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 5 MHz, Modulation: TM3.1-64QAM



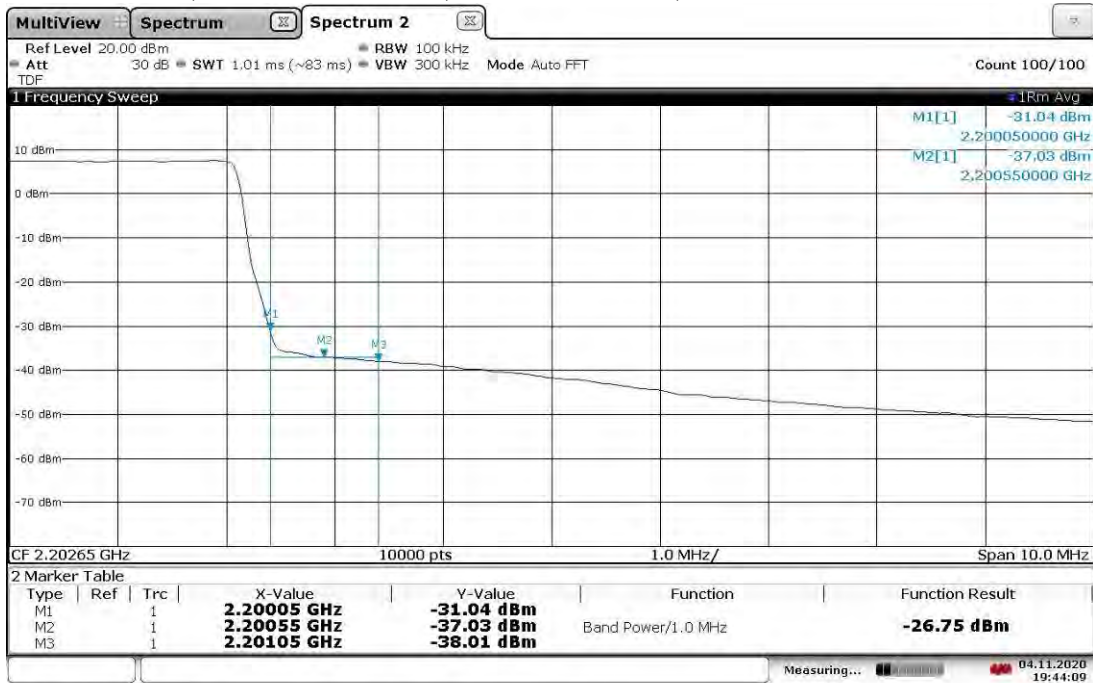
19:43:09 04.11.2020

Band Edge Compliant, Upper Band Edge, 2197.5 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 5 MHz, Modulation: TM3.1-64QAM



19:45:02 04.11.2020

Band Edge Compliant, Upper Band Edge, 2197.5 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 5 MHz, Modulation: TM3.1-64QAM



19:44:09 04.11.2020

Band Edge Compliant, Lower Band Edge, 2115 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 10 MHz, Modulation: TM3.1-64QAM



20:21:45 04.11.2020

Band Edge Compliant, Lower Band Edge, 2115 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 10 MHz, Modulation: TM3.1-64QAM



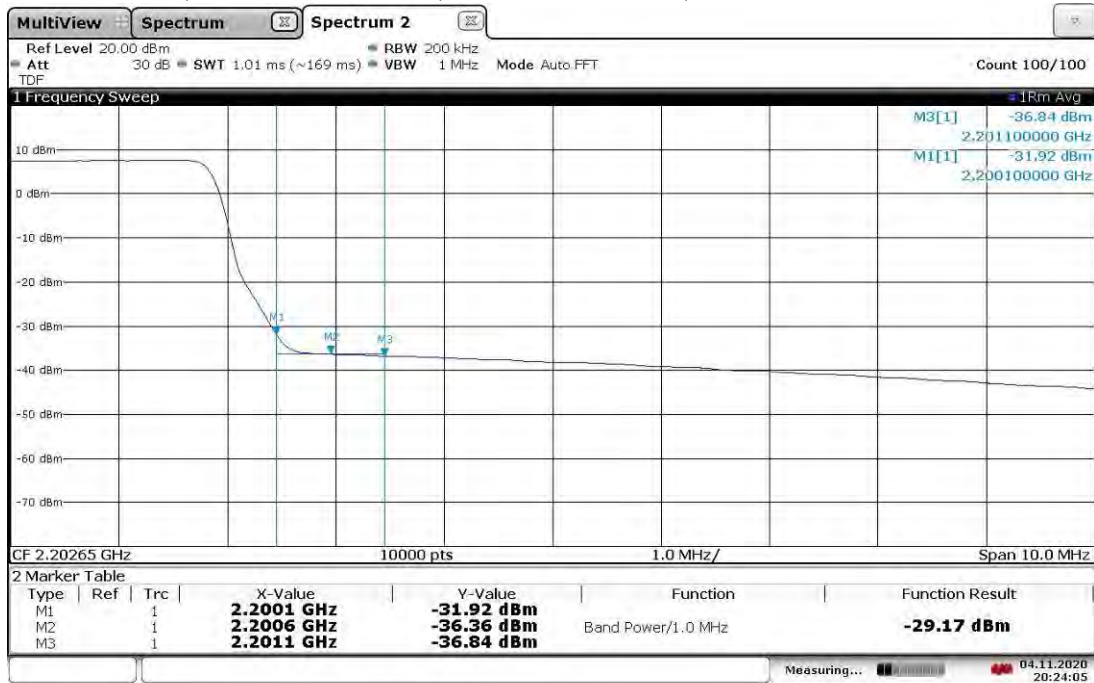
20:22:48 04.11.2020

Band Edge Compliant, Upper Band Edge, 2195 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 10 MHz, Modulation: TM3.1-64QAM



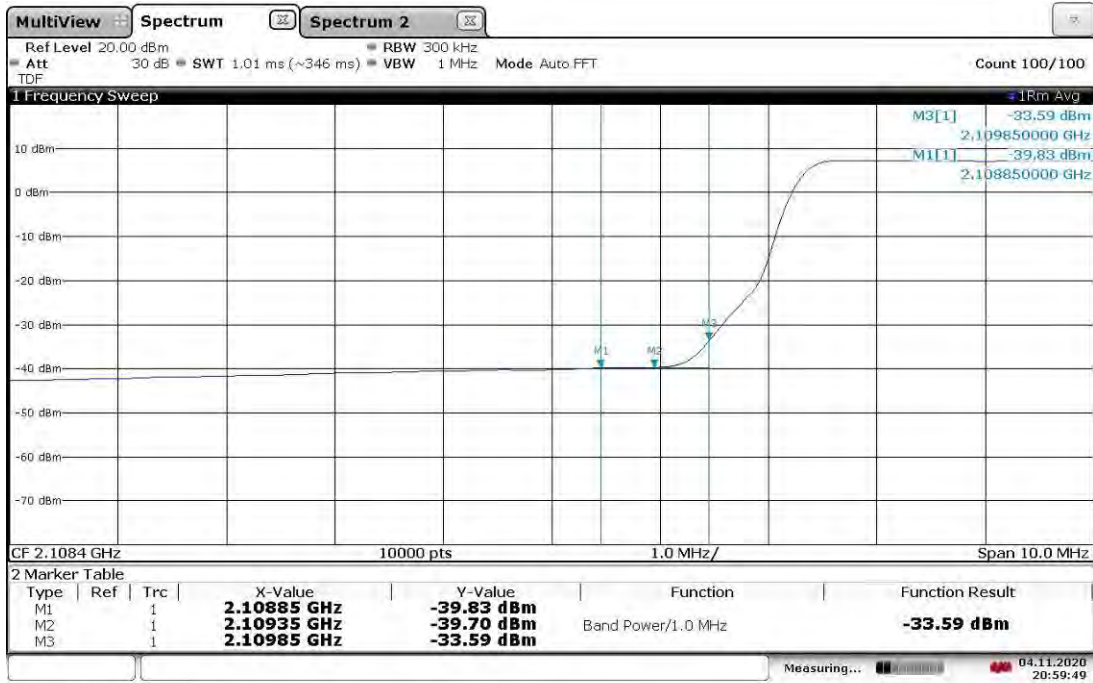
20:25:16 04.11.2020

Band Edge Compliant, Upper Band Edge, 2195 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 10 MHz, Modulation: TM3.1-64QAM



20:24:05 04.11.2020

Band Edge Compliant, Lower Band Edge, 2117.5 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 15 MHz, Modulation: TM3.1-64QAM



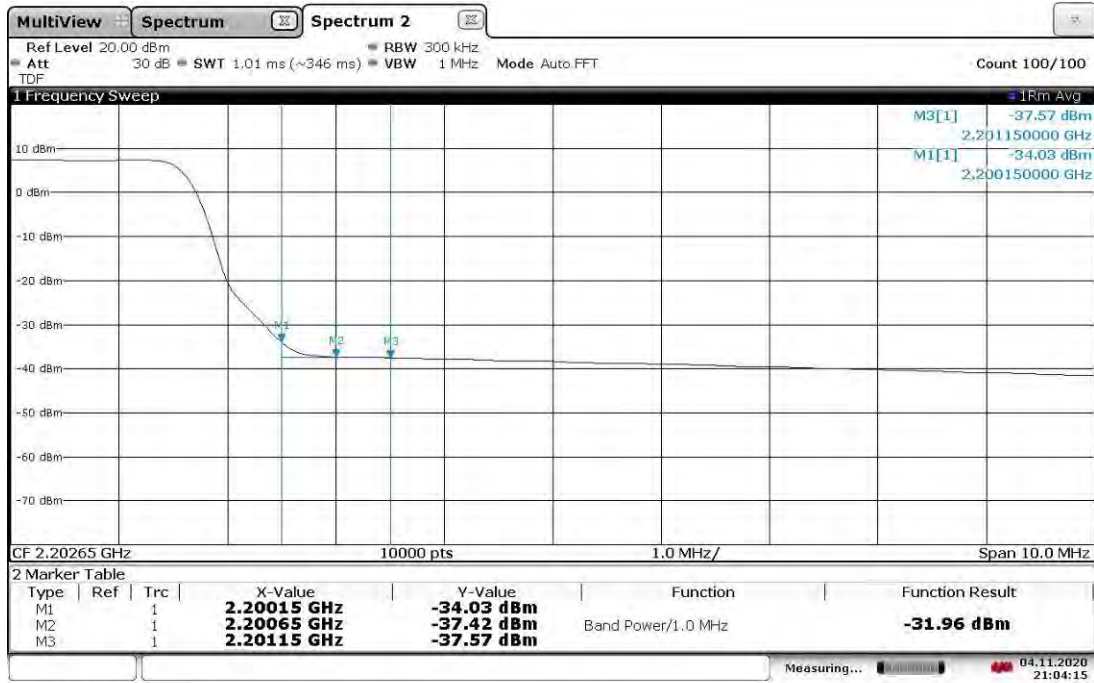
20:59:50 04.11.2020

Band Edge Compliant, Lower Band Edge, 2117.5 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 15 MHz, Modulation: TM3.1-64QAM



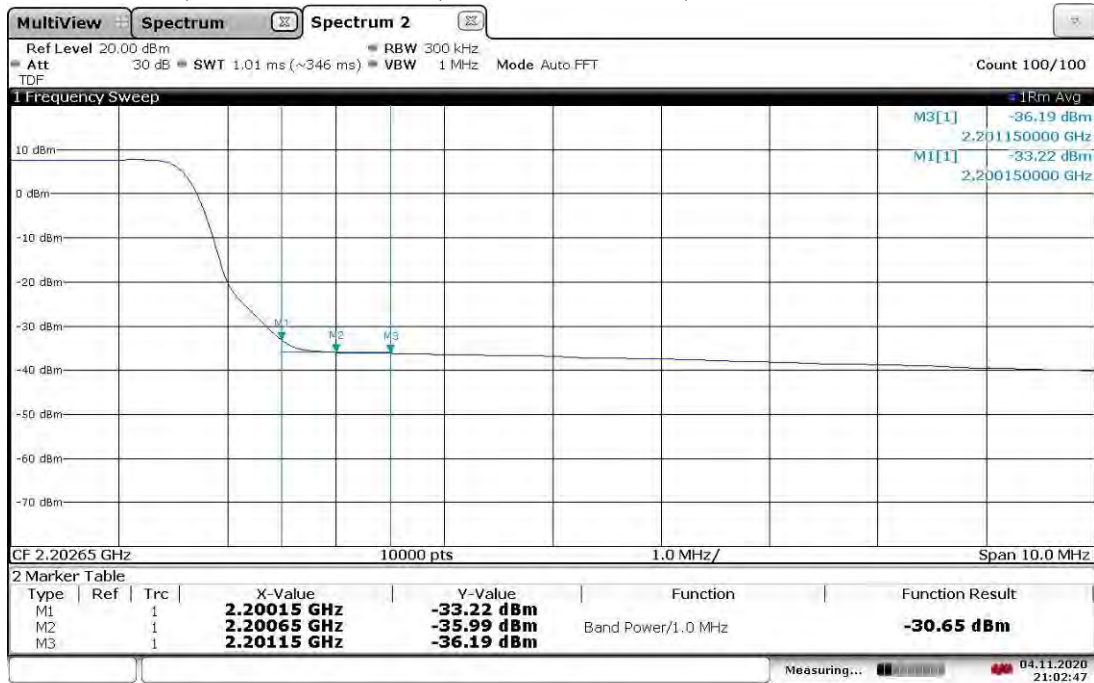
21:01:10 04.11.2020

Band Edge Compliant, Upper Band Edge, 2192.5 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 15 MHz, Modulation: TM3.1-64QAM



21:04:15 04.11.2020

Band Edge Compliant, Upper Band Edge, 2192.5 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 15 MHz, Modulation: TM3.1-64QAM



21:02:47 04.11.2020

Band Edge Compliant, Lower Band Edge, 2120 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 20 MHz, Modulation: TM3.1-64QAM



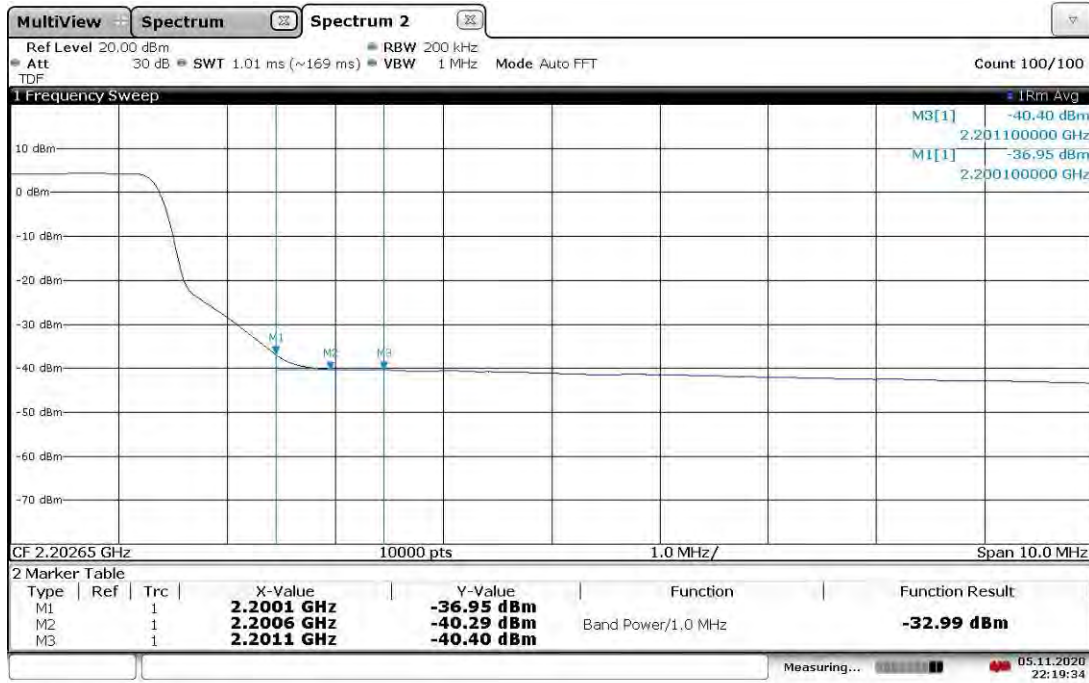
22:18:16 05.11.2020

Band Edge Compliant, Lower Band Edge, 2120 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 20 MHz, Modulation: TM3.1-64QAM



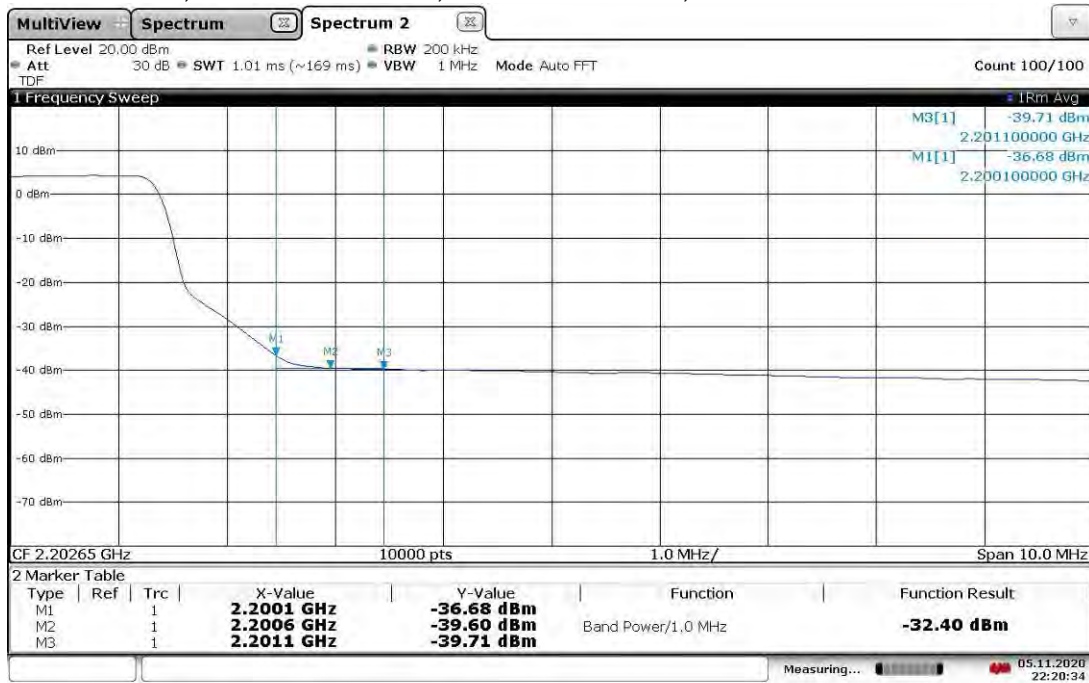
22:17:13 05.11.2020

Band Edge Compliant, Upper Band Edge, 2190 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 20 MHz, Modulation: TM3.1-64QAM



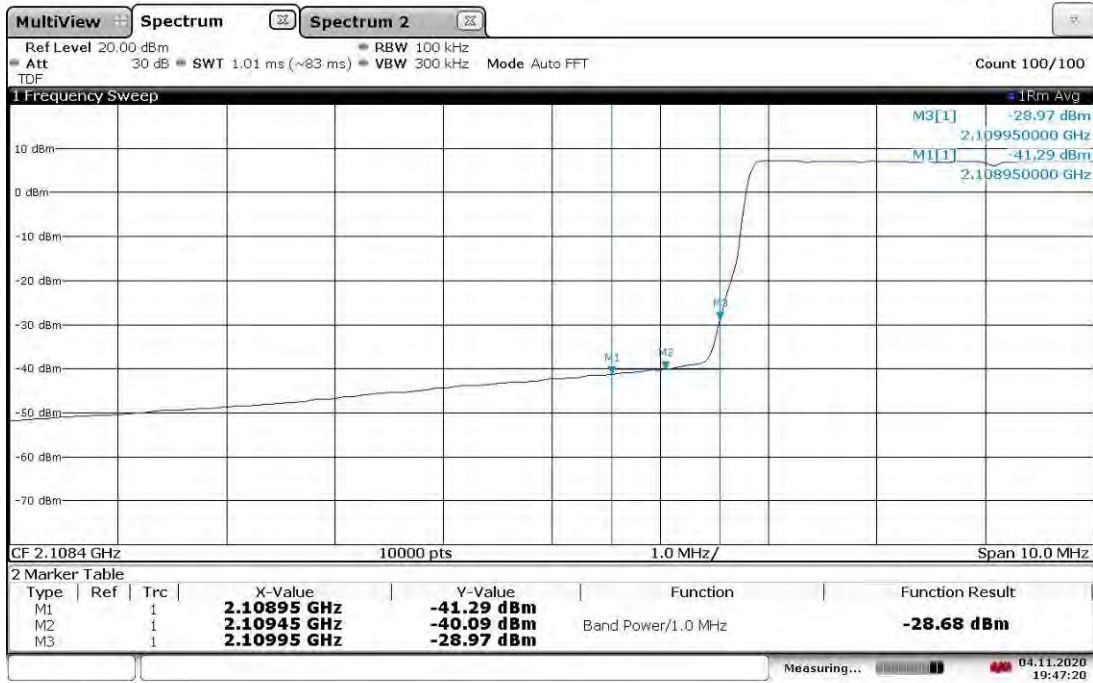
22:19:34 05.11.2020

Band Edge Compliant, Upper Band Edge, 2190 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 20 MHz, Modulation: TM3.1-64QAM



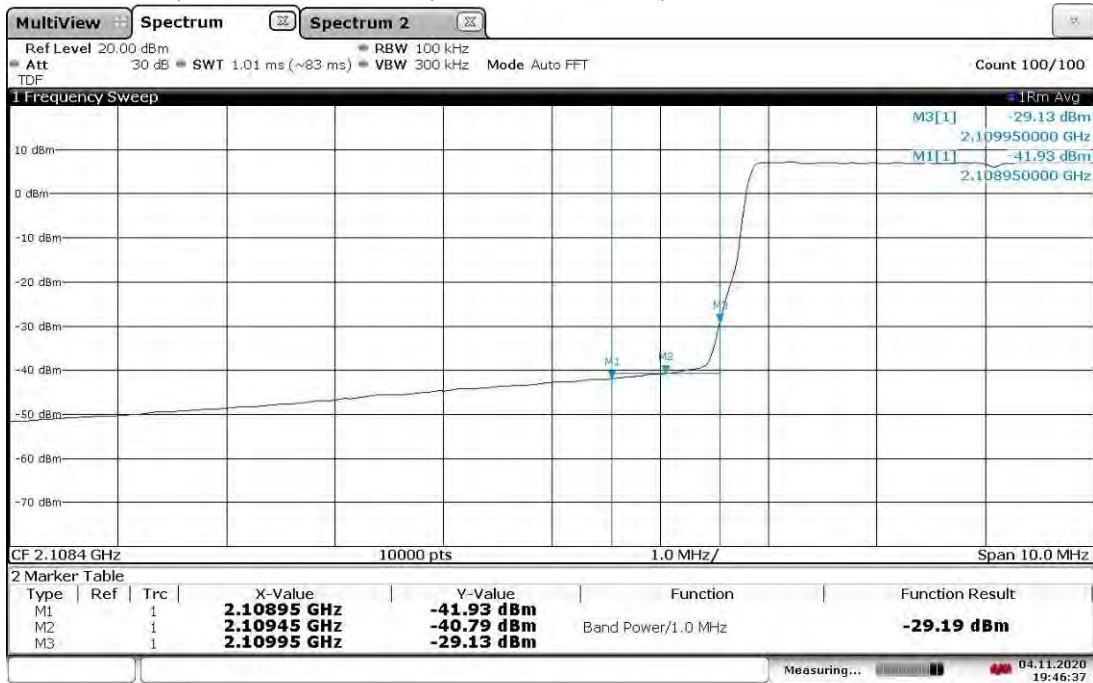
22:20:34 05.11.2020

Band Edge Compliant, Lower Band Edge, 2112.5 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 5 MHz, Modulation: TM3.1a-256QAM



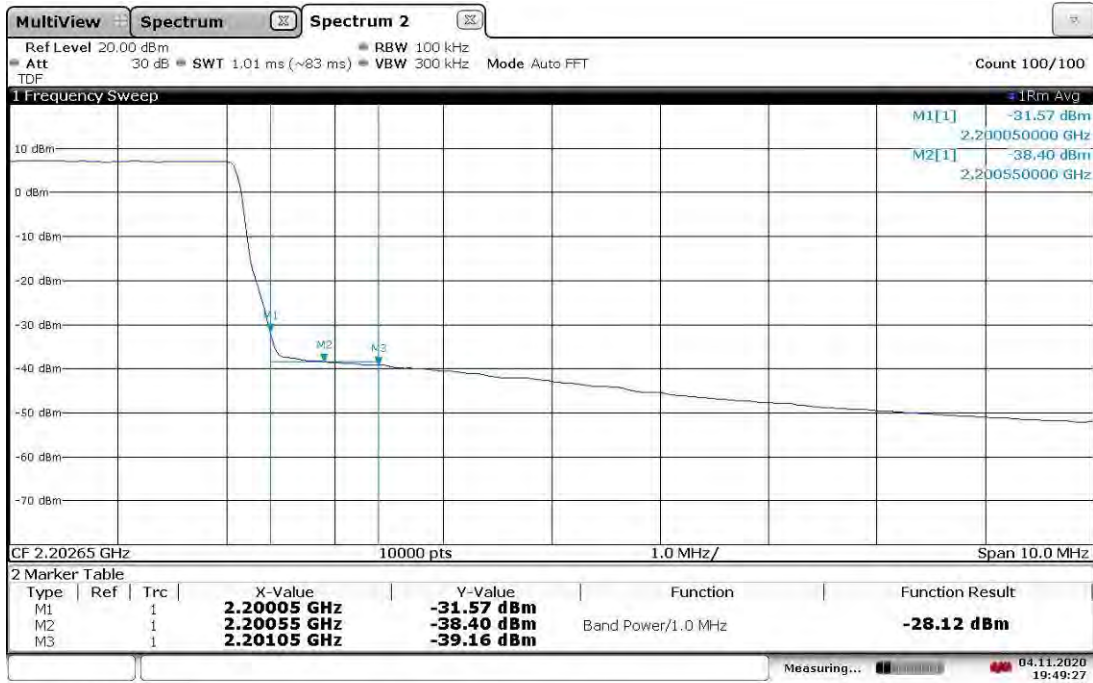
19:47:21 04.11.2020

Band Edge Compliant, Lower Band Edge, 2112.5 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 5 MHz, Modulation: TM3.1a-256QAM



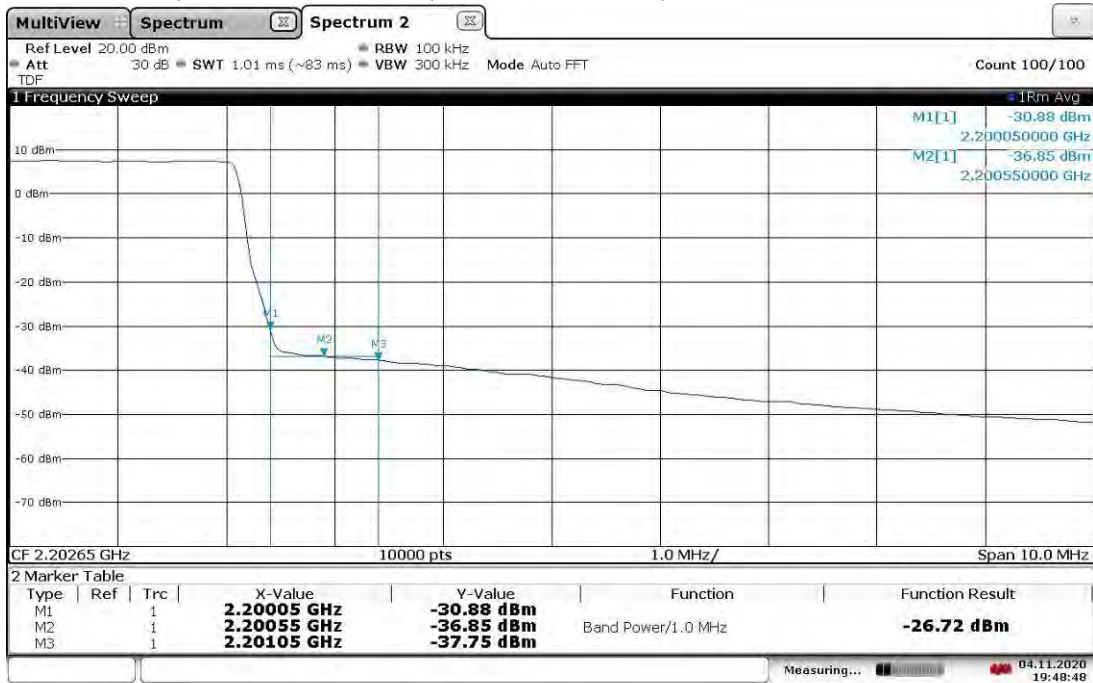
19:46:37 04.11.2020

Band Edge Compliant, Upper Band Edge, 2197.5 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 5 MHz, Modulation: TM3.1a-256QAM



19:49:27 04.11.2020

Band Edge Compliant, Upper Band Edge, 2197.5 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 5 MHz, Modulation: TM3.1a-256QAM



19:48:49 04.11.2020

Band Edge Compliant, Lower Band Edge, 2115 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 10 MHz, Modulation: TM3.1a-256QAM



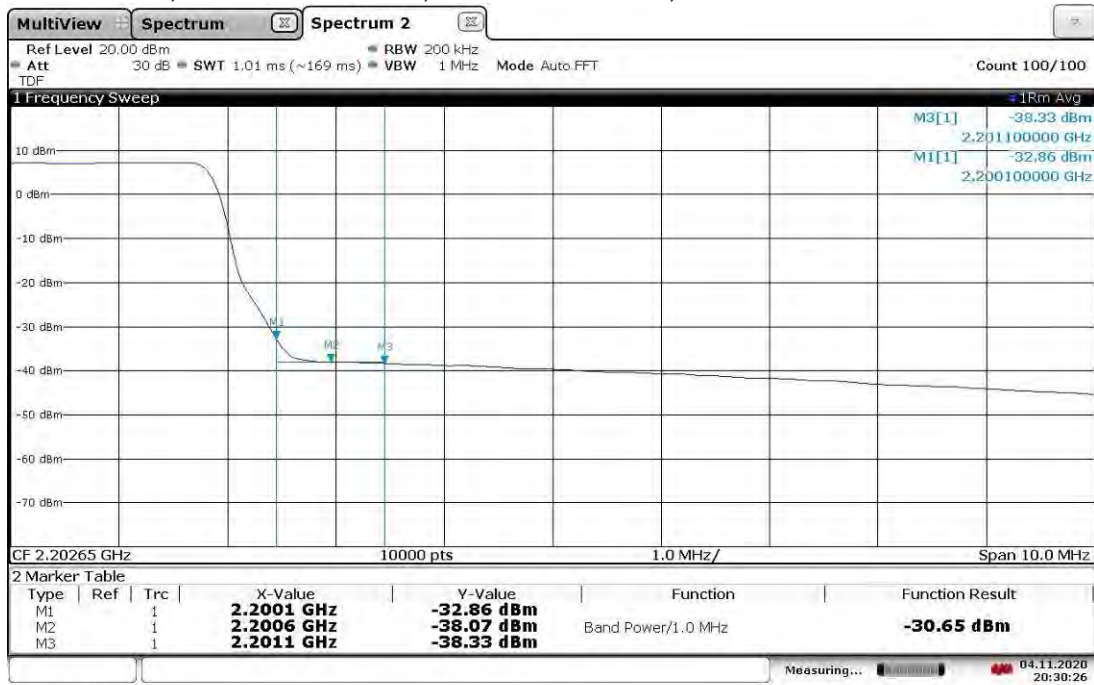
20:27:07 04.11.2020

Band Edge Compliant, Lower Band Edge, 2115 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 10 MHz, Modulation: TM3.1a-256QAM



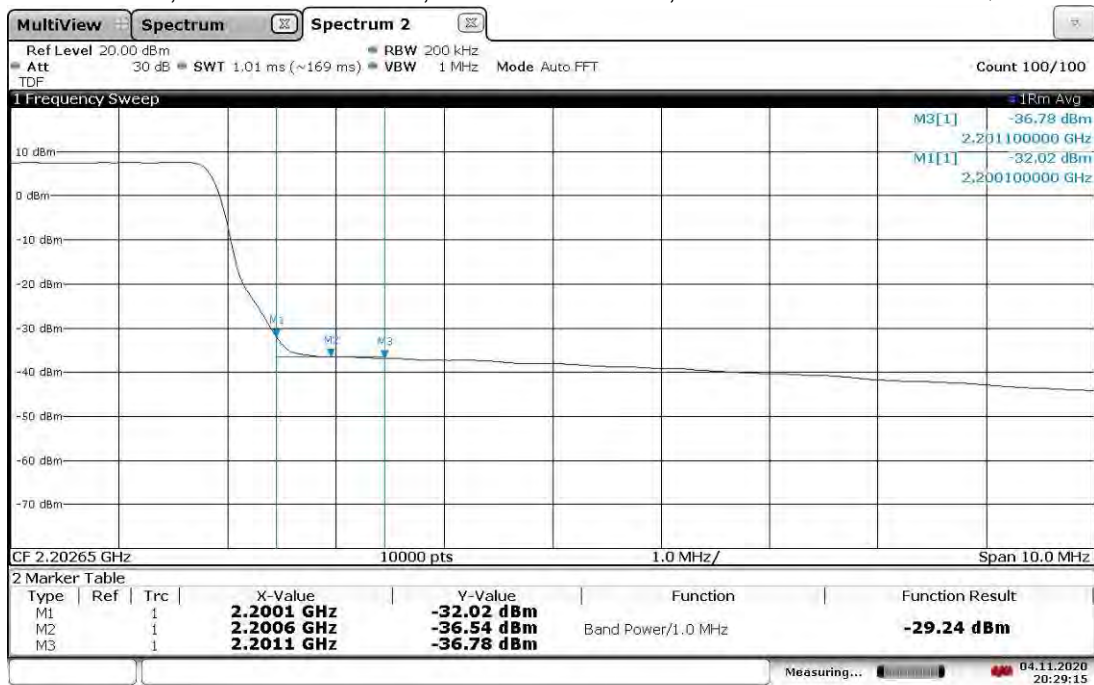
20:28:00 04.11.2020

Band Edge Compliant, Upper Band Edge, 2195 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 10 MHz, Modulation: TM3.1a-256QAM



20:30:26 04.11.2020

Band Edge Compliant, Upper Band Edge, 2195 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 10 MHz, Modulation: TM3.1a-256QAM



20:29:15 04.11.2020

Band Edge Compliant, Lower Band Edge, 2117.5 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 15 MHz, Modulation: TM3.1a-256QAM



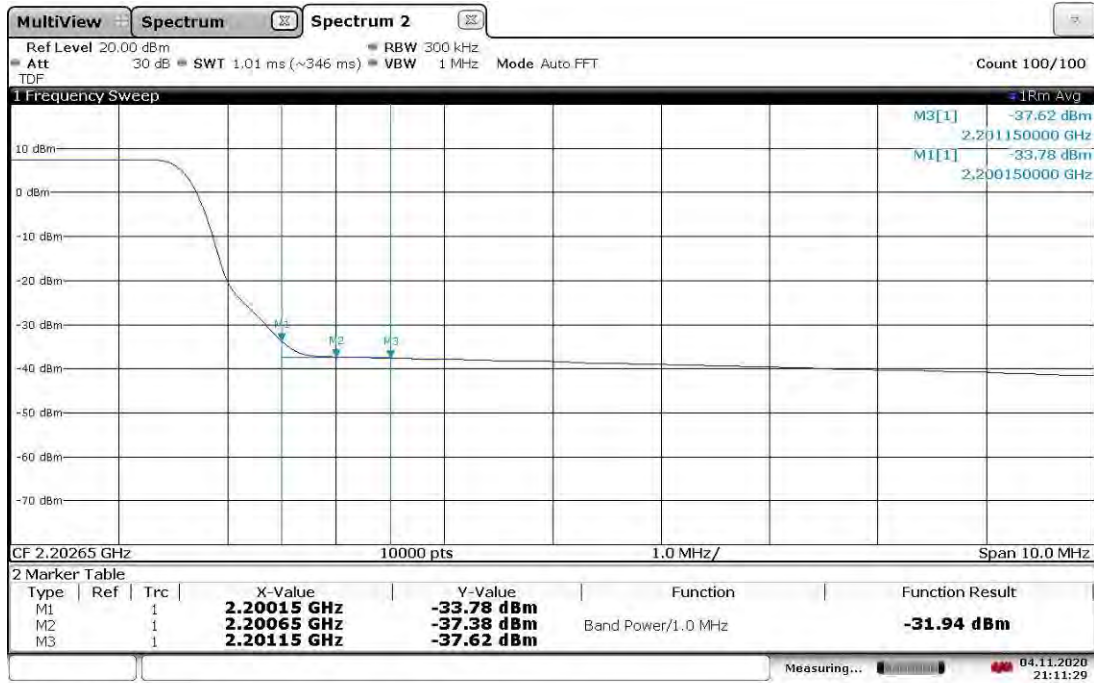
21:09:09 04.11.2020

Band Edge Compliant, Lower Band Edge, 2117.5 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 15 MHz, Modulation: TM3.1a-256QAM



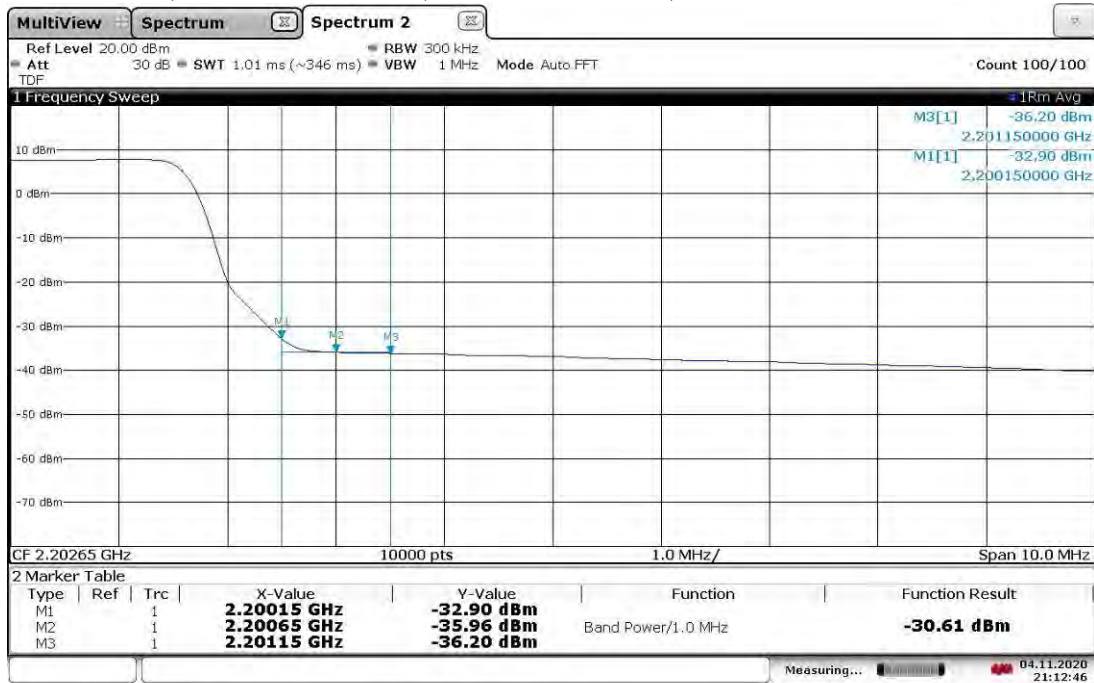
21:06:12 04.11.2020

Band Edge Compliant, Upper Band Edge, 2192.5 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 15 MHz, Modulation: TM3.1a-256QAM



21:11:29 04.11.2020

Band Edge Compliant, Upper Band Edge, 2192.5 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 15 MHz, Modulation: TM3.1a-256QAM



21:12:46 04.11.2020

Band Edge Compliant, Lower Band Edge, 2120 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 20 MHz, Modulation: TM3.1a-256QAM



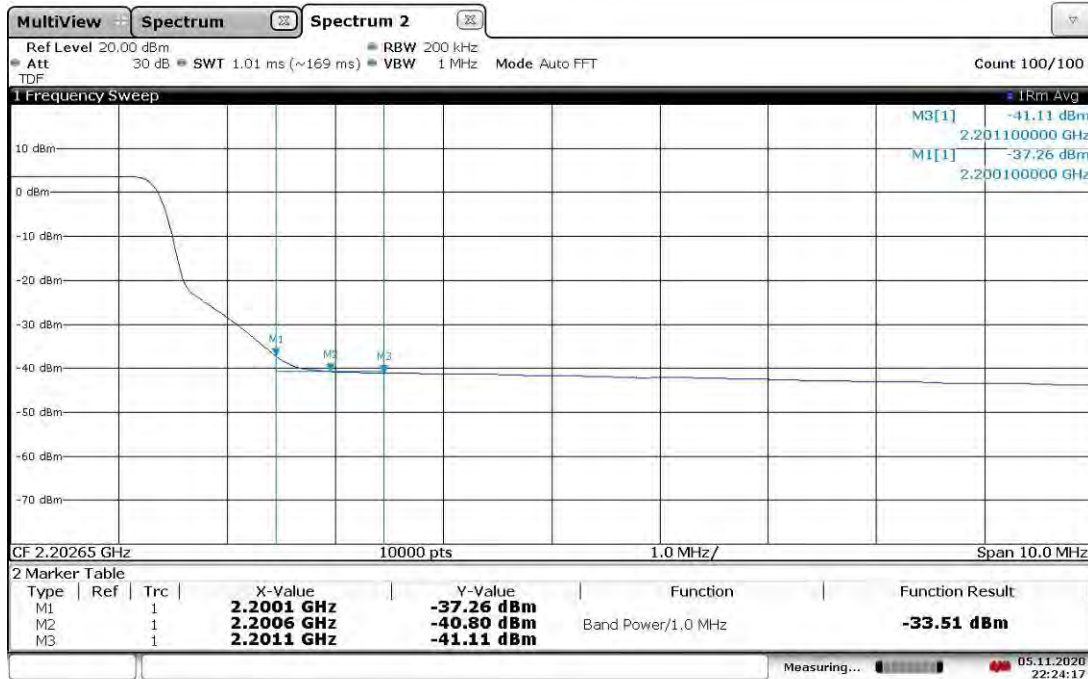
22:23:15 05.11.2020

Band Edge Compliant, Lower Band Edge, 2120 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 20 MHz, Modulation: TM3.1a-256QAM



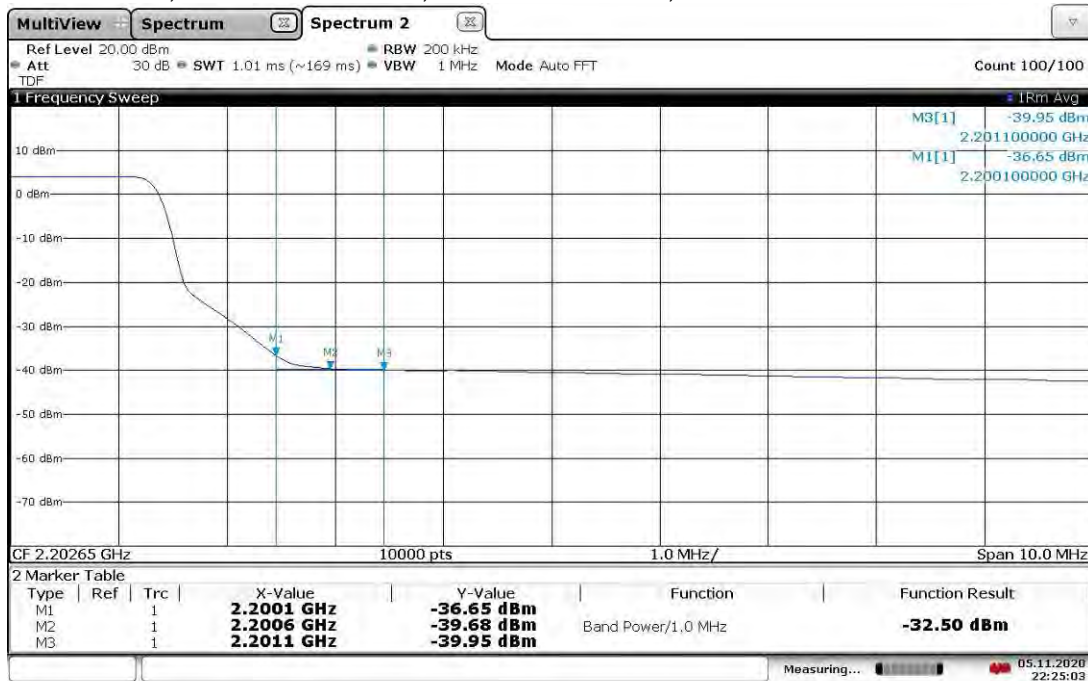
22:22:28 05.11.2020

Band Edge Compliant, Upper Band Edge, 2190 MHz
Band 66, Antenna Port: ANT0, Bandwidth: 20 MHz, Modulation: TM3.1a-256QAM



22:24:17 05.11.2020

Band Edge Compliant, Upper Band Edge, 2190 MHz
Band 66, Antenna Port: ANT1, Bandwidth: 20 MHz, Modulation: TM3.1a-256QAM



22:25:03 05.11.2020

Test Personnel: Kouma Sinn *KPS*
Supervising/Reviewing
Engineer:
(Where Applicable) N/A

Test Date: 11/04/2020, 11/05/2020

Product Standard: FCC Part 27
Input Voltage: 48 VDC (POE)

Limit Applied: See report section 8.3

Pretest Verification w/
Ambient Signals or
BB Source: N/A

Ambient Temperature: 21, 25 °C

Relative Humidity: 18, 28 %

Atmospheric Pressure: 1022, 1019 mbars

Deviations, Additions, or Exclusions: None

9 Transmitter spurious emissions

9.1 Method

Tests are performed in accordance with ANSI C63.26, CFR47 FCC Parts 2.1051, 2.1053, 2.1057, and 27.

TEST SITE: EMC Lab & 10m ALSE

TEST SITE: 10m ALSE

The 10m ALSE is 13m (Length) x 21m (Depth) x 10m (Height) with the effective size in terms of space from the tips of the absorber is 12m (Length) x 20m (Depth) x 8.5m (Height). This chamber achieves broadband performance using a unique arrangement of hybrid and ferrite tile absorber. This chamber has a built in 3m diameter turntable (Embedded type). The metal structure of the table makes electrical connection around the entire circumference of the turntable to the ground plane with a metal brush type connection. The turntable is located on one end of the chamber and the antennas are mounted 3 and 10 meters away at the other end of the chamber on the adjustable an Antenna Mast. The antenna mast is a non-conductive bore sighted type with remote control of antenna height and polarization. The Antenna Mast and the turntable can be remotely controlled through the controller located in the adjacent Control room. A Styrofoam table 80 cm high is used for table-top equipment.

Measurement Uncertainty

Measurement	Frequency Range	Expanded Uncertainty (k=2)	U _{CISPR}
Radiated Emissions, 10m	30-1000 MHz	5.0 dB	6.3 dB
Radiated Emissions, 3m	30-1000 MHz	4.6 dB	6.3 dB
Radiated Emissions, 3m	1-6 GHz	4.9 dB	5.2 dB
Radiated Emissions, 3m	6-15 GHz	5.1 dB	5.5 dB
Radiated Emissions, 3m	15-18 GHz	4.7 dB	5.5 dB
Radiated Emissions, 3m	18-40 GHz	4.7 dB	5.5 dB

As shown in the table above our radiated emissions U_{lab} is less than the corresponding U_{CISPR} reference value in CISPR 16-4-2 Table 1, hence the compliance of the product is only based on the measured value, and no measurement uncertainty correction is required, based on CISPR 22 and CISPR 11 (for 2006 and later revisions) Clause 11.

Sample Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CF - AG$$

Where

- FS = Field Strength in dB μ V/m
- RA = Receiver Amplitude (including preamplifier) in dB μ V
- CF = Cable Attenuation Factor in dB
- AF = Antenna Factor in dB
- AG = Amplifier Gain in dB

In the following table(s), the reading shown on the data table reflects the preamplifier gain. An example for the calculations in the following table is as follows.

Assume a receiver reading of 52.0 dB μ V is obtained. The antenna factor of 7.4 dB and cable factor of 1.6 dB is added. The amplifier gain of 29 dB is subtracted, giving a field strength of 32 dB μ V/m. This value in dB μ V/m was converted to its corresponding level in μ V/m.

RA = 52.0 dB μ V
AF = 7.4 dB/m
CF = 1.6 dB
AG = 29.0 dB
FS = 32 dB μ V/m

To convert from dB μ V to μ V or mV the following was used:

$UF = 10^{(NF / 20)}$ where UF = Net Reading in μ V
NF = Net Reading in dB μ V

Example:

$FS = RA + AF + CF - AG = 52.0 + 7.4 + 1.6 - 29.0 = 32.0$
 $UF = 10^{(32 \text{ dB}\mu\text{V} / 20)} = 39.8 \mu\text{V/m}$

Alternately, when BAT-EMC Emission Software is used, the "Level" includes all losses and gains and is compared directly in the "Margin" column to the "Limit". The "Correction" includes Antenna Factor, Preamp, and Cable Loss. These are already accounted for in the "Level" column.

9.2 Test Equipment Used:

Test equipment used for antenna port conducted test

Asset	Description	Manufacturer	Model	Serial	Cal Date	Cal Due
CEN001'	DC-40GHz attenuator 20dB	Centric RF	C411-20	CEN001	01/22/2020	01/22/2021
CBLHF2012-2M-1'	2m 9kHz-40GHz Coaxial Cable - SET1	Huber & Suhner	SF102	252675001	02/17/2020	02/17/2021
ROS005-1'	Signal and Spectrum Analyzer	Rohde & Schwarz	FSW43	100646	10/27/2020	10/27/2021
DAV005'	Weather Station	Davis	6250	MS191218083	02/05/2020	02/05/2021

Software Utilized:

Name	Manufacturer	Version
None	--	--

Test equipment used for Radiated emissions

Asset	Description	Manufacturer	Model	Serial	Cal Date	Cal Due
DAV007'	Weather Station Vantage Vue	Davis	6250	MS191212003	03/12/2020	03/12/2021
145-420	Uniflex Cable	Uniflex	UFB311A-0-0787-500500	145-420	02/17/2020	02/17/2021
145-422	Uniflex Cable	Uniflex	UFB311A-2-20591-700700	145-423	02/17/2020	02/17/2021
145-423	Uniflex Cable	Uniflex	SF106A/11N/11N/1.50M0	145-423	03/27/2020	03/27/2021
145-424	9KHz-40KHz Cable	Huber & Suhner	Sucoflex	145-424	03/27/2020	03/27/2021
145108'	EMI Test Receiver (20Hz - 40GHz)	Rohde & Schwarz	ESIB40	100209	06/08/2020	06/08/2021
145145'	Broadband Hybrid Antenna 30 MHz - 3 GHz	Sunol Sciences Corp.	JB3	A122313	05/07/2020	05/07/2021
PRE10'	30-1000MHz pre-amp	ITS	PRE10	PRE10	02/28/2020	02/28/2021
145-414'	Cables 145-400 145-403 145-405 145-409	Huber + Suhner	3m Track A cables	multiple	06/25/2020	06/25/2021
HS002'	DC-18GHz cable 1.5M long	Huber & Suhner	SucoFlex 106A	HS002	11/19/2019	11/19/2020
IW006'	DC-18GHz cable 8.4m long	Insulated Wire	2800-NPS	IW006	11/19/2019	11/19/2020
145108'	EMI Test Receiver (20Hz - 40GHz)	Rohde & Schwarz	ESIB40	100209	06/08/2020	06/08/2021
ETS002'	1-18GHz DRG Horn Antenna	ETS Lindgren	3117	00143260	08/03/2020	08/03/2021
BONN001'	1-18GHz low noise pre-amp	Bonn	BLMA 0118-M	1811749	07/11/2020	07/11/2021
ROS005-1'	Signal and Spectrum Analyzer	Rohde and Schwartz	FSW43	100646	10/27/2020	10/27/2021
PRE8'	PREAMPLIFIER 1- 40 GHz	MITEQ	NSP4000-NF	507145	11/01/2019	11/01/2020
CBLHF2012-2M-1'	2m 9kHz-40GHz Coaxial Cable - SET1	Huber & Suhner	SF102	252675001	02/17/2020	02/17/2021
CBLHF2012-5M-2	5m 9kHz-40GHz Coaxial Cable - SET2	Huber & Suhner	SF102	252676002	02/17/2020	02/17/2021

Software Utilized:

Name	Manufacturer	Version
BAT-EMC	Nexio	3.18.0.16

9.3 Results:

The sample tested was found to Comply. Where a resolution bandwidth of less than 1 MHz was used (in some cases, 120 kHz or 100 kHz), more than 10 dB margin to the limit is shown. Since the two antenna ports transmit uncorrelated data streams and use cross polarized antennas, no adjustments to the test results were applied due to MIMO operation, per KDB 662911.

§27.53(h): The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

9.4 Setup Photographs:

Antenna Port Conducted Emissions



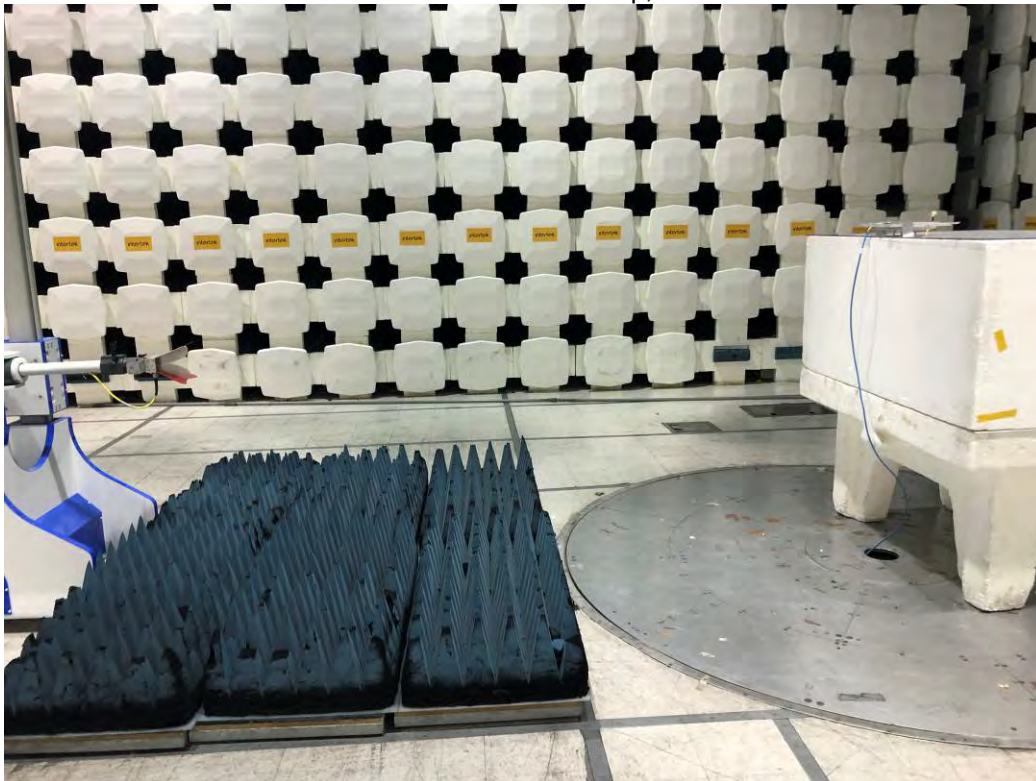
Radiated Emissions Test Setup, 30-1000 MHz



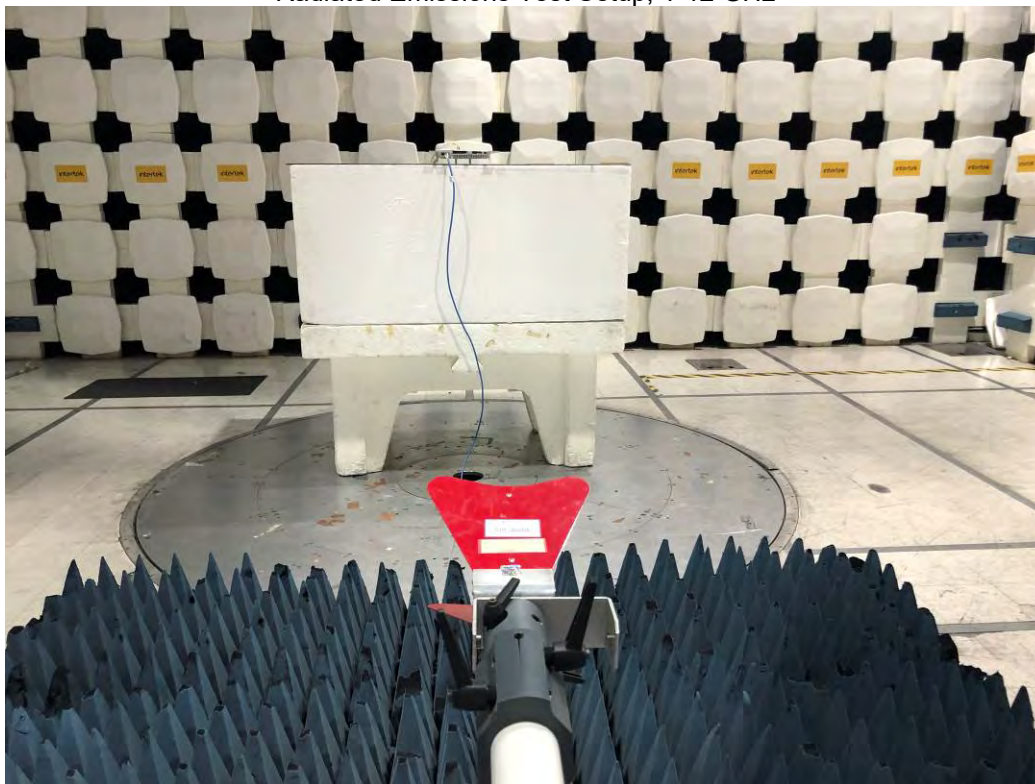
Radiated Emissions Test Setup, 30-1000 MHz



Radiated Emissions Test Setup, 1-12 GHz

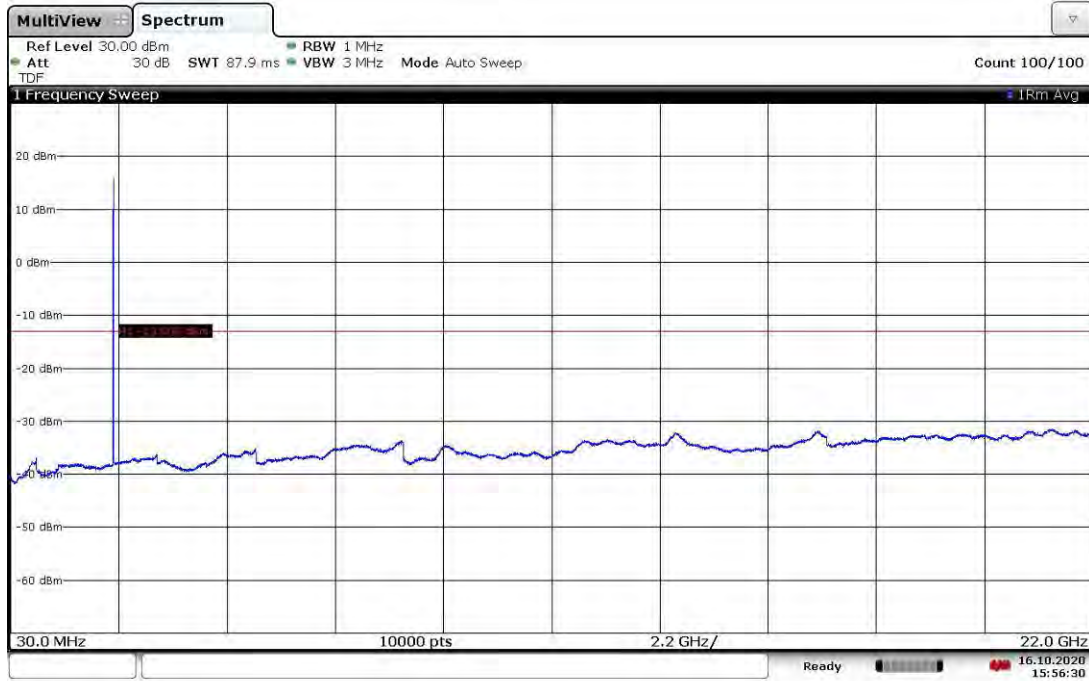


Radiated Emissions Test Setup, 1-12 GHz



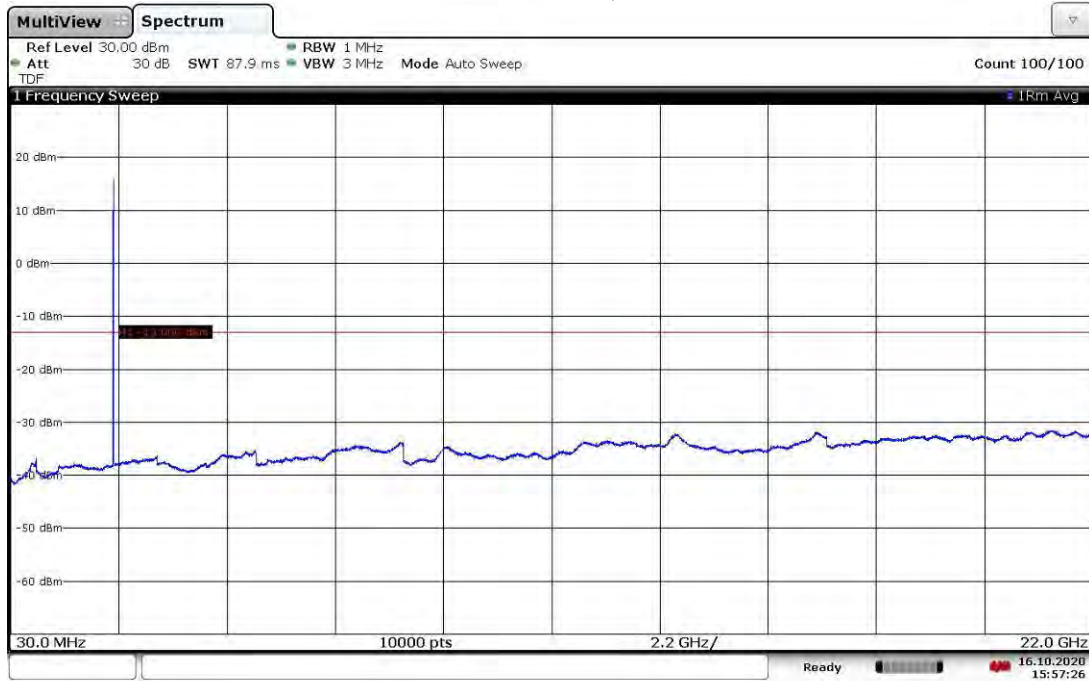
9.5 Plots/Data:

**Band 66, ANT0, Modulation: TM1.1-QPSK, Bandwidth: 5 MHz,
Low Channel: 2112.5 MHz, 30 MHz-22 GHz**



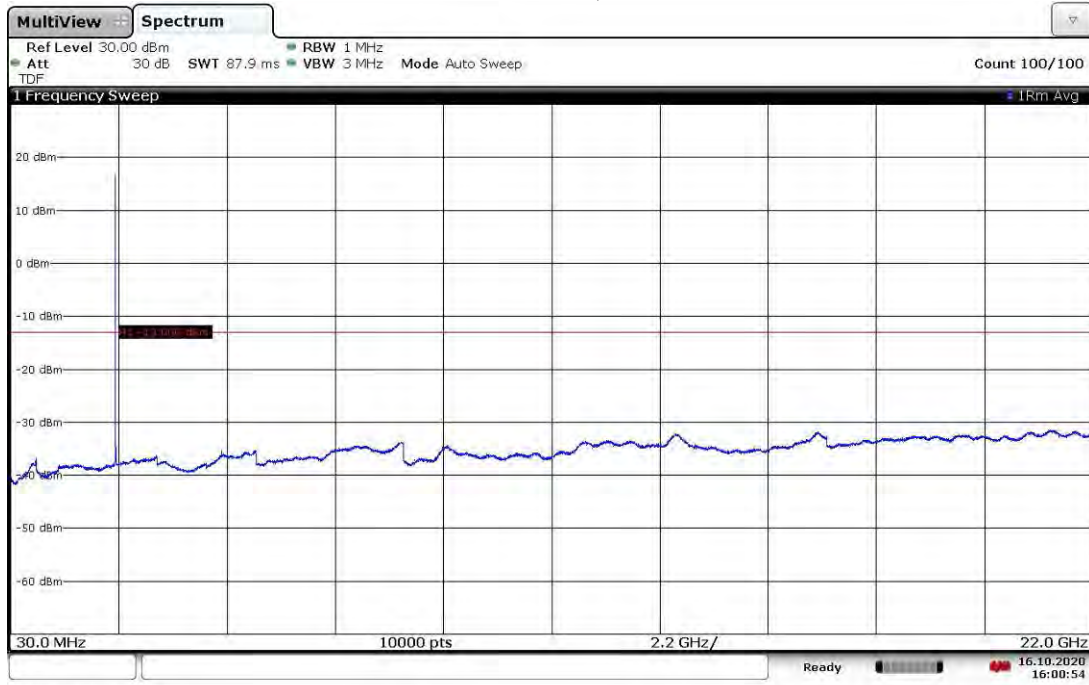
15:56:30 16.10.2020

**Band 66, ANT1, Modulation: TM1.1-QPSK, Bandwidth: 5 MHz,
Low Channel: 2112.5 MHz, 30 MHz-22 GHz**



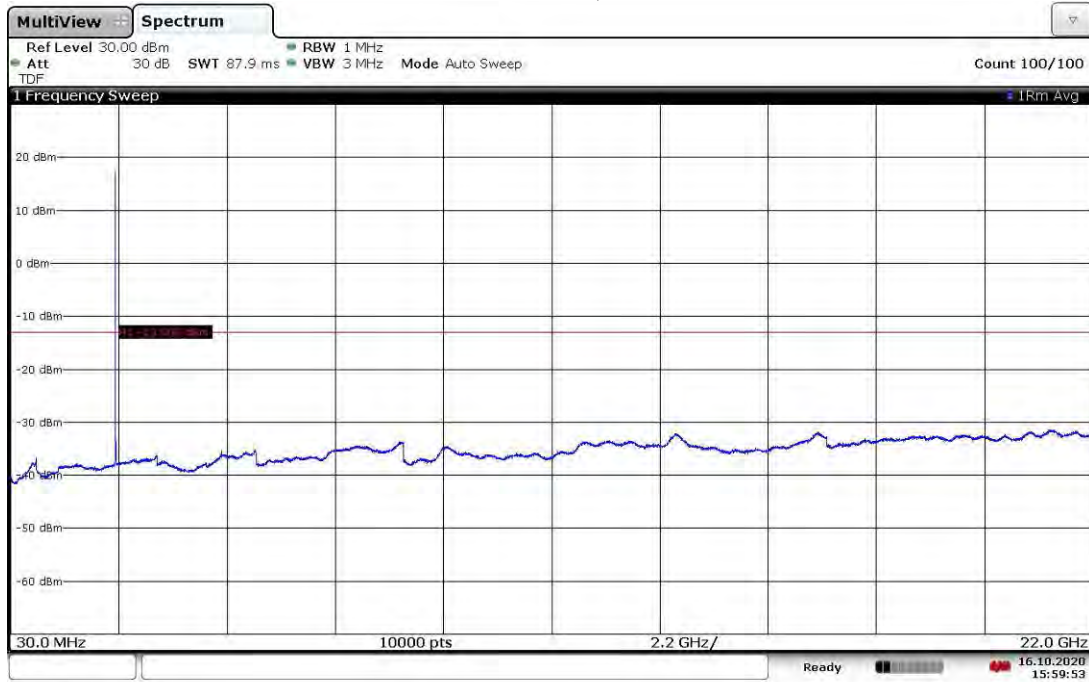
15:57:26 16.10.2020

**Band 66, ANT0, Modulation: TM1.1-QPSK, Bandwidth: 5 MHz,
Mid Channel: 2155 MHz, 30 MHz-22 GHz**

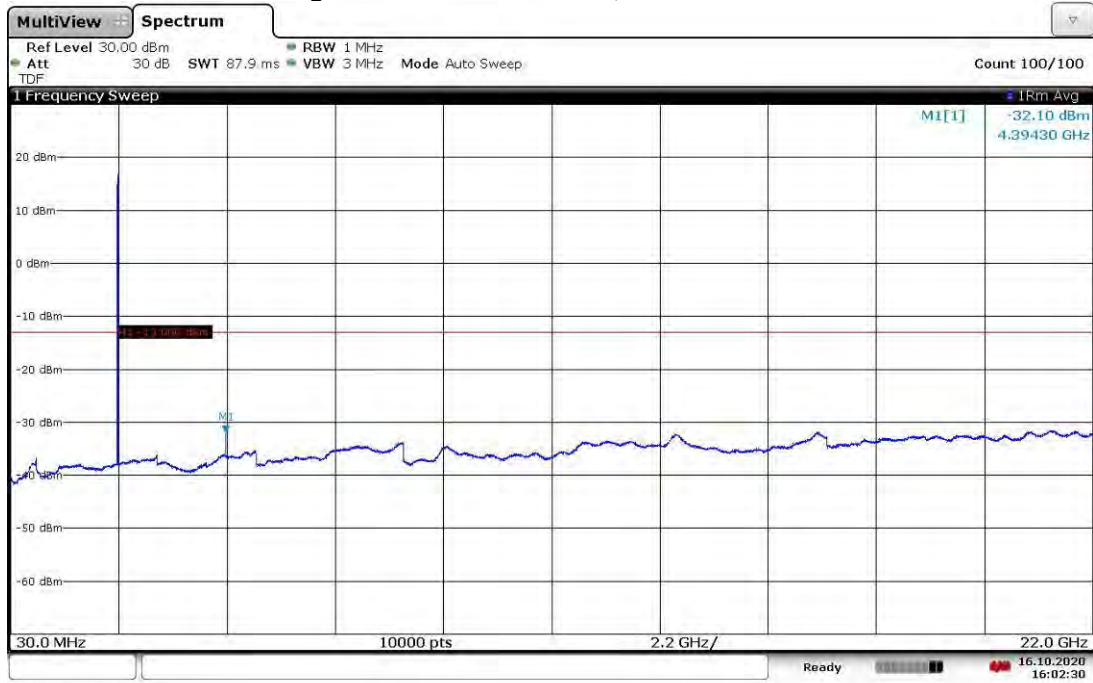


16:00:55 16.10.2020

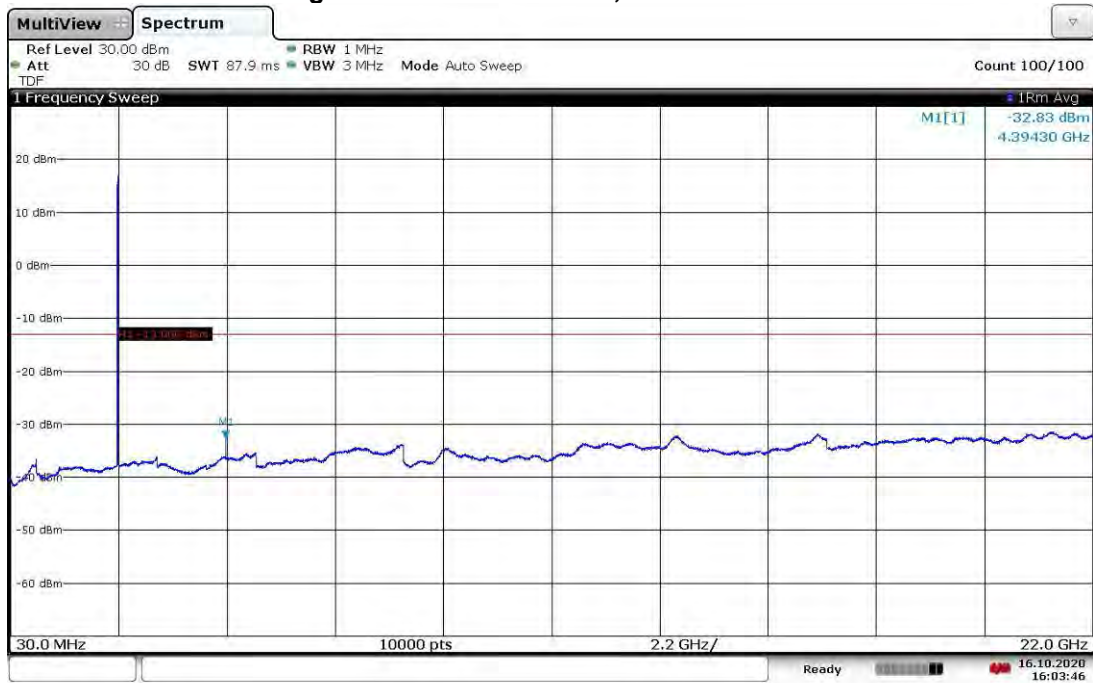
**Band 66, ANT1, Modulation: TM1.1-QPSK, Bandwidth: 5 MHz,
Mid Channel: 2155 MHz, 30 MHz-22 GHz**



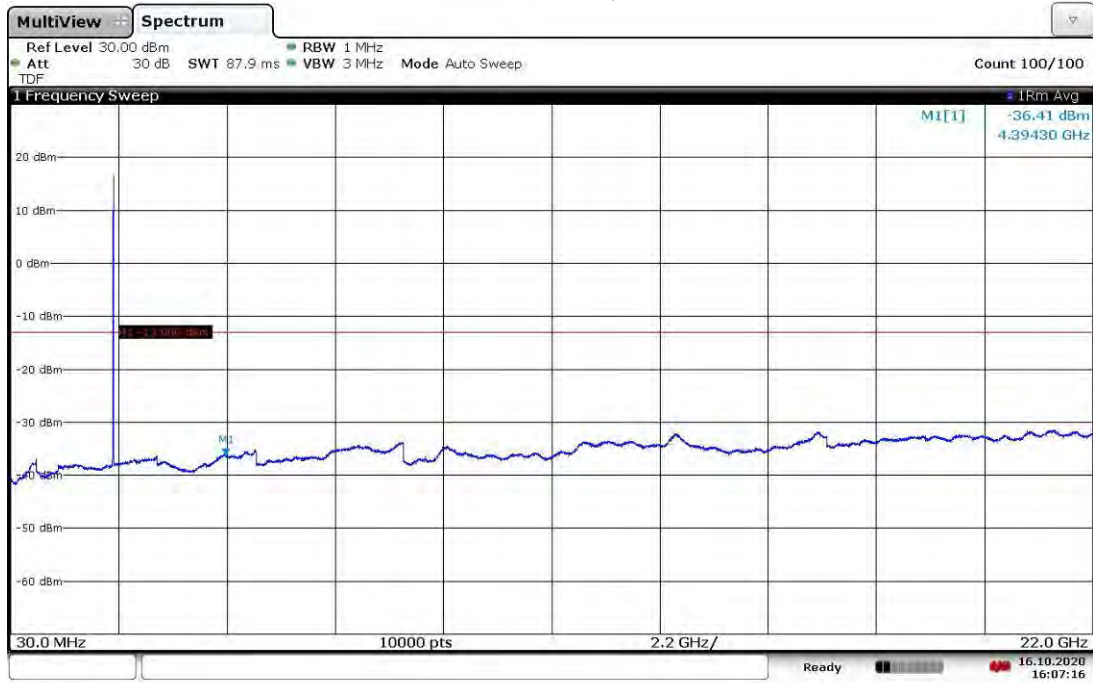
15:59:53 16.10.2020

**Band 66, ANT0, Modulation: TM1.1-QPSK, Bandwidth: 5 MHz,
High Channel: 2197.5 MHz, 30 MHz-22 GHz**

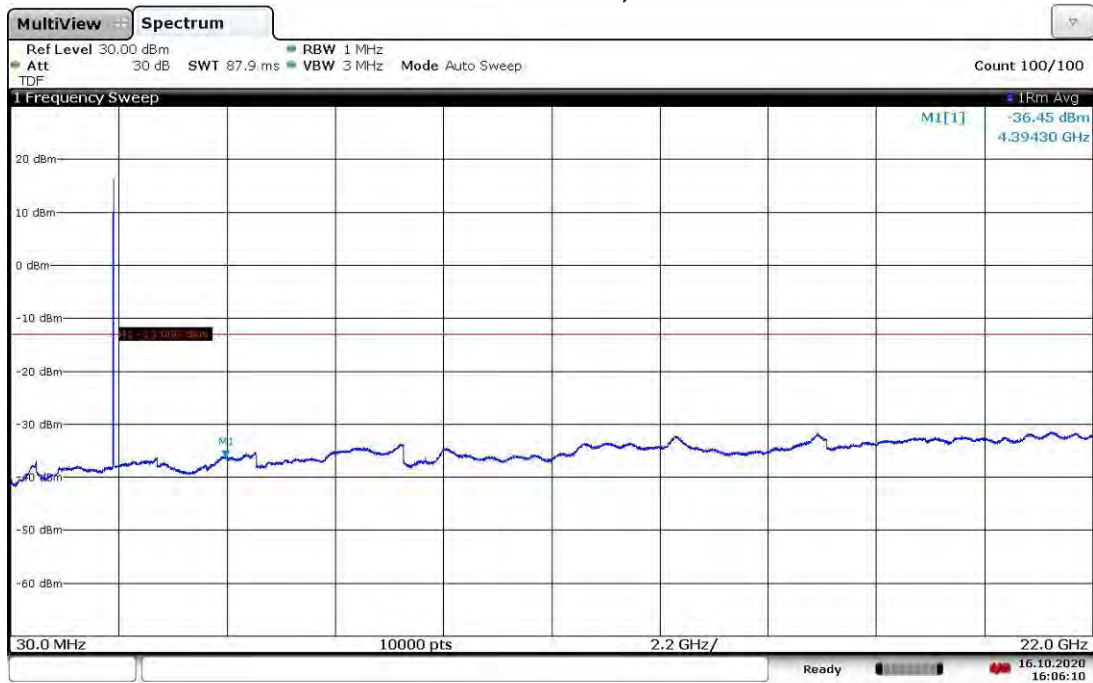
16:02:32 16.10.2020

**Band 66, ANT1, Modulation: TM1.1-QPSK, Bandwidth: 5 MHz,
High Channel: 2197.5 MHz, 30 MHz-22 GHz**

16:03:46 16.10.2020

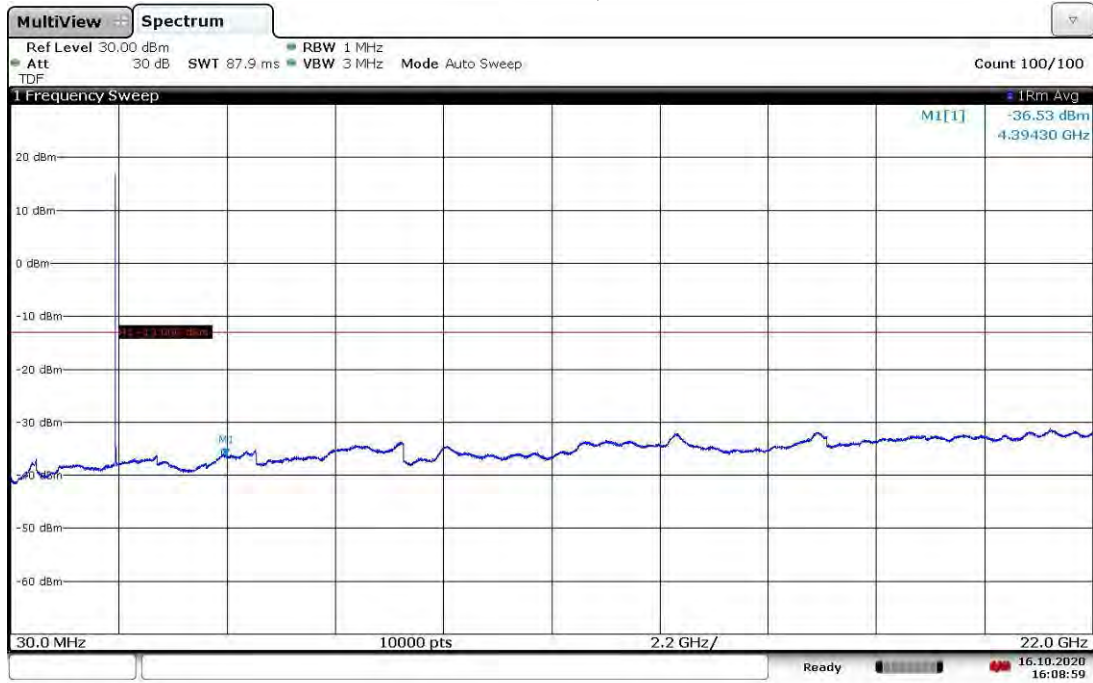
**Band 66, ANT0, Modulation: TM3.2-16QAM, Bandwidth: 5 MHz,
Low Channel: 2112.5 MHz, 30 MHz-22 GHz**

16:07:16 16.10.2020

**Band 66, ANT1, Modulation: TM3.2-16QAM, Bandwidth: 5 MHz,
Low Channel: 2112.5 MHz, 30 MHz-22 GHz**

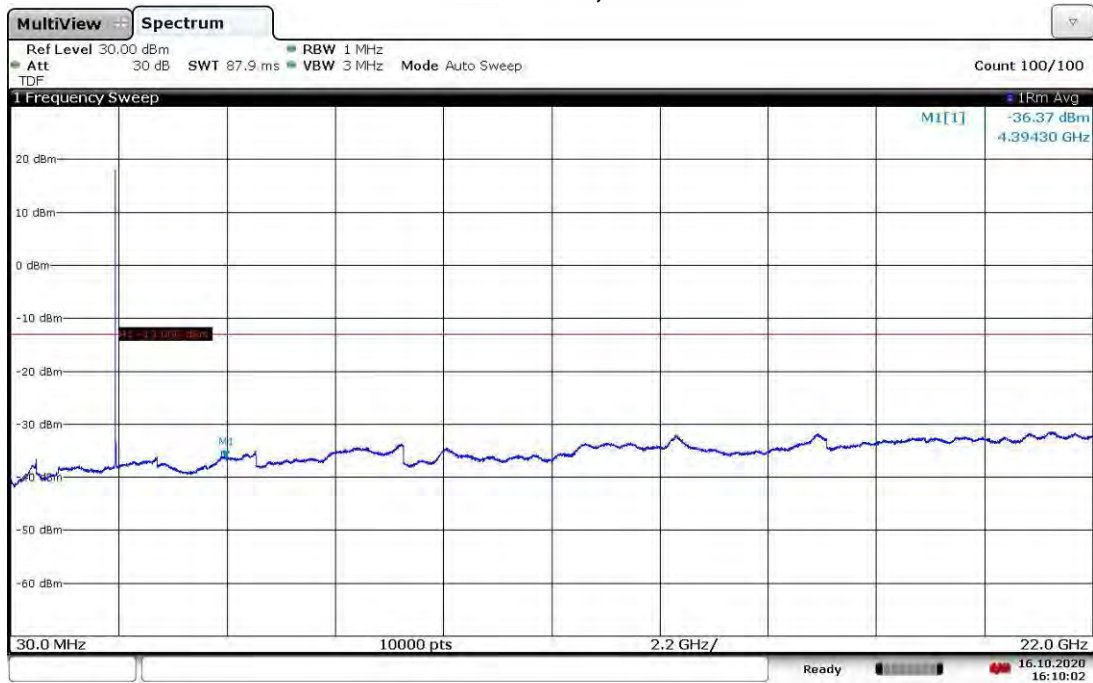
16:06:10 16.10.2020

**Band 66, ANT0, Modulation: TM3.2-16QAM, Bandwidth: 5 MHz,
Mid Channel: 2155 MHz, 30 MHz-22 GHz**

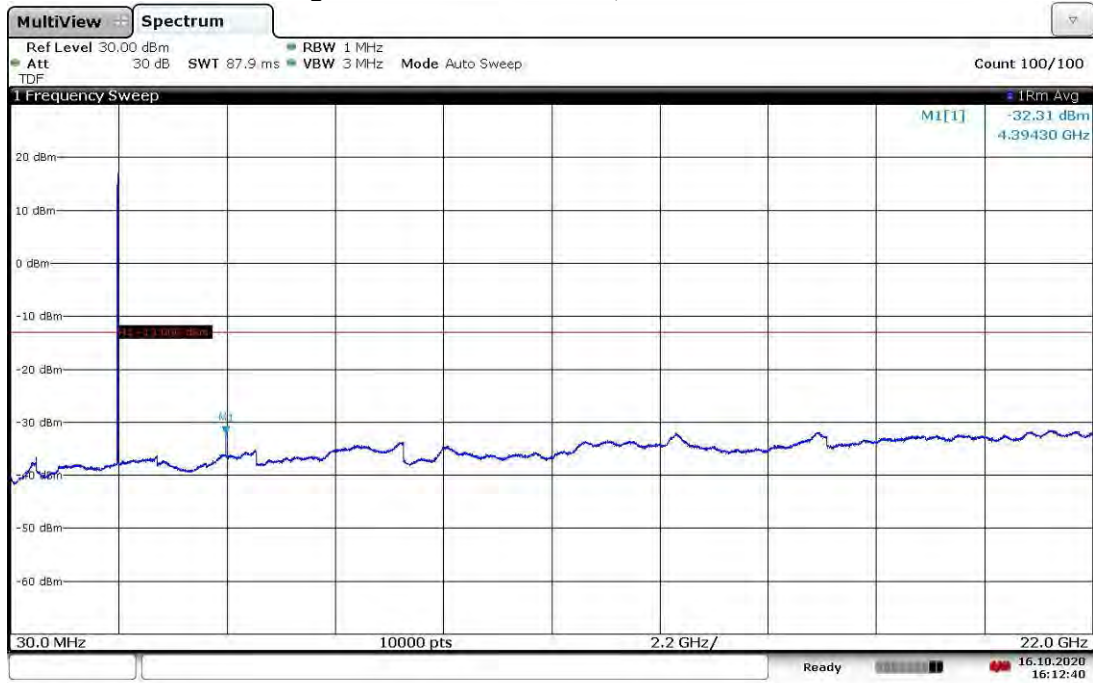


16:09:00 16.10.2020

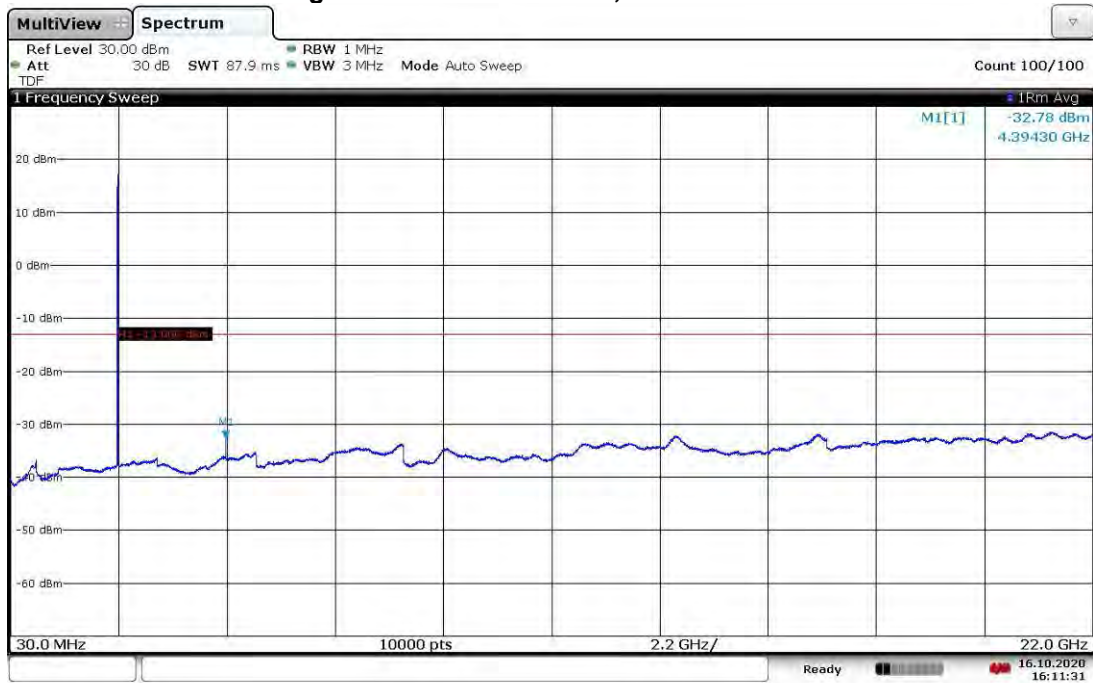
**Band 66, ANT1, Modulation: TM3.2-16QAM, Bandwidth: 5 MHz,
Mid Channel: 2155 MHz, 30 MHz-22 GHz**



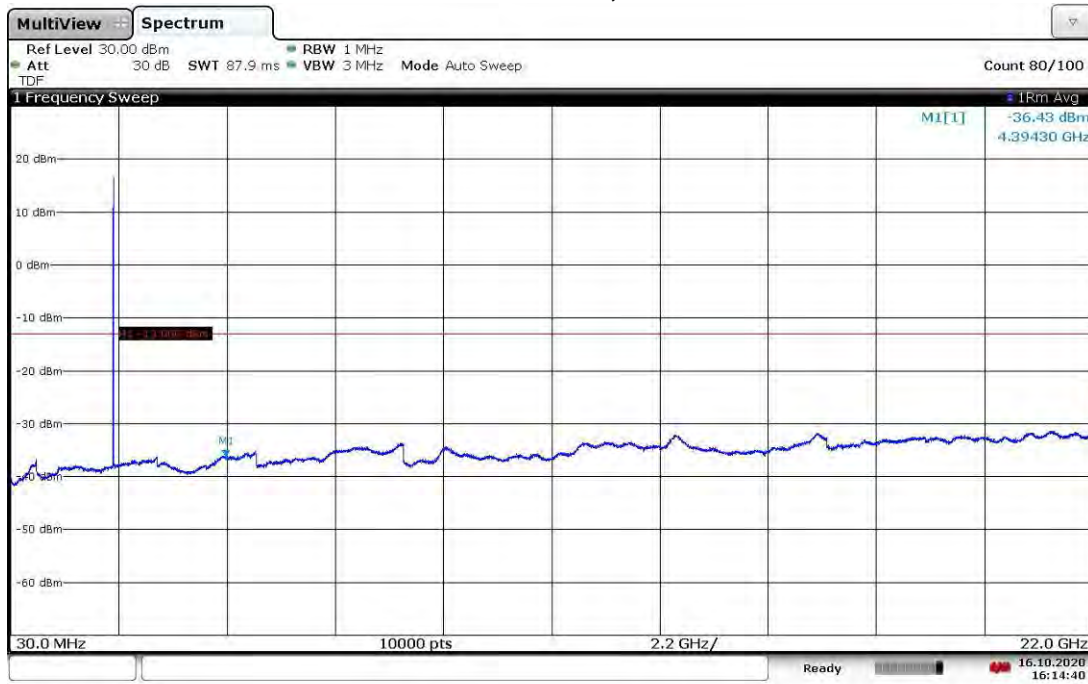
16:10:02 16.10.2020

**Band 66, ANT0, Modulation: TM3.2-16QAM, Bandwidth: 5 MHz,
High Channel: 2197.5 MHz, 30 MHz-22 GHz**

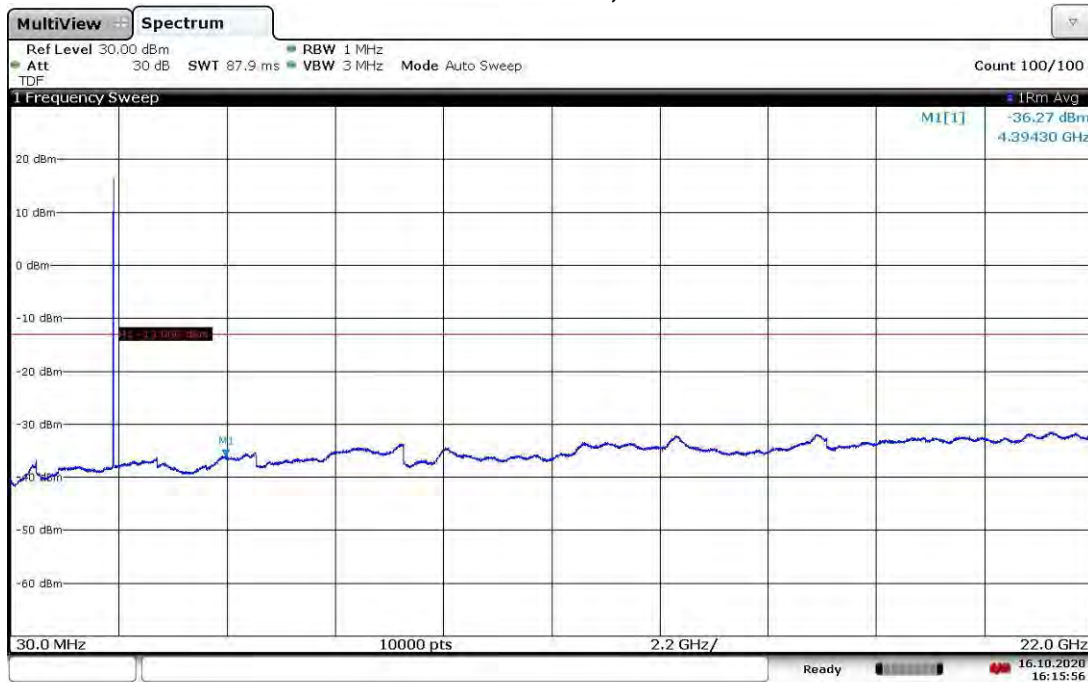
16:12:41 16.10.2020

**Band 66, ANT1, Modulation: TM3.2-16QAM, Bandwidth: 5 MHz,
High Channel: 2197.5 MHz, 30 MHz-22 GHz**

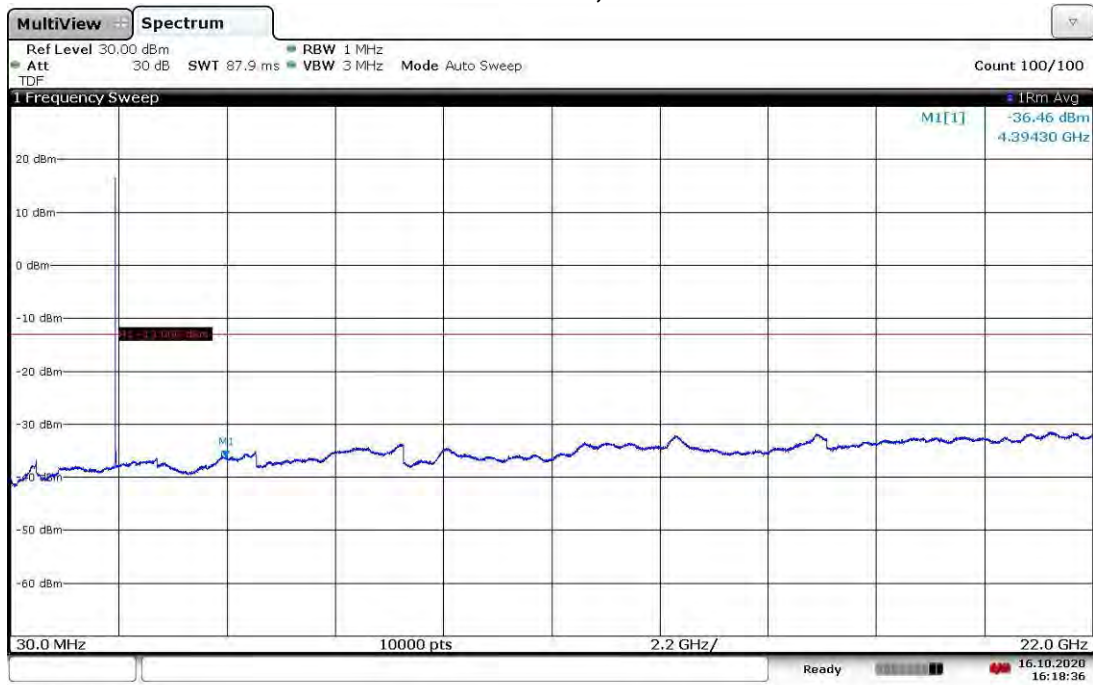
16:11:32 16.10.2020

**Band 66, ANT0, Modulation: TM3.1-64QAM, Bandwidth: 5 MHz,
Low Channel: 2112.5 MHz, 30 MHz-22 GHz**

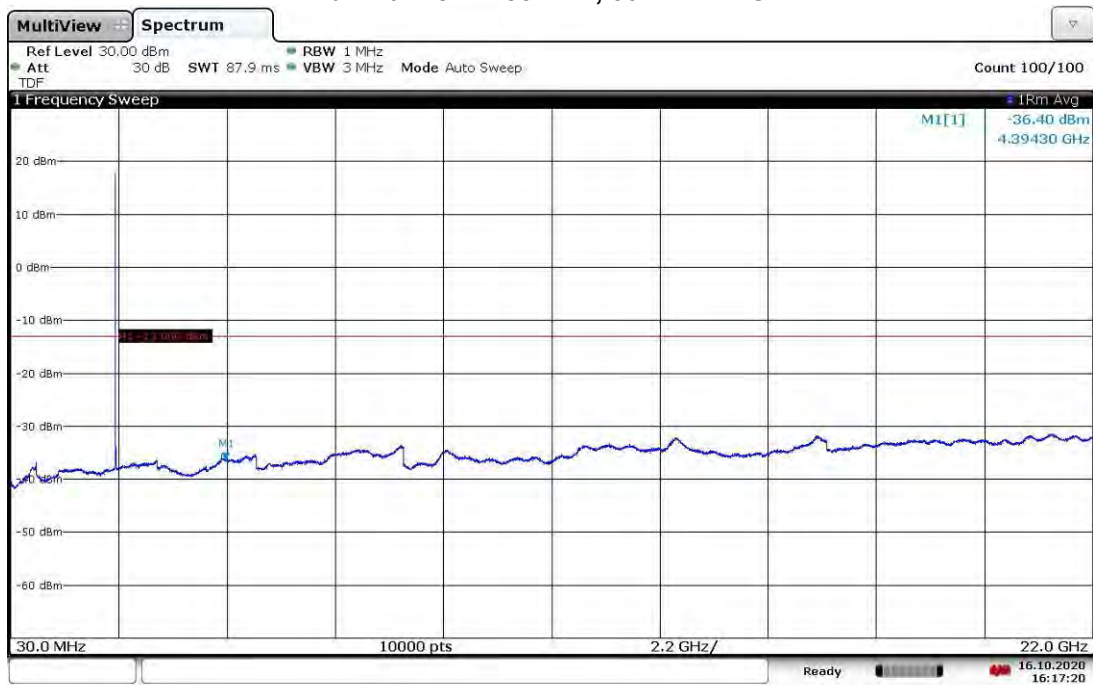
16:14:40 16.10.2020

**Band 66, ANT1, Modulation: TM3.1-64QAM, Bandwidth: 5 MHz,
Low Channel: 2112.5 MHz, 30 MHz-22 GHz**

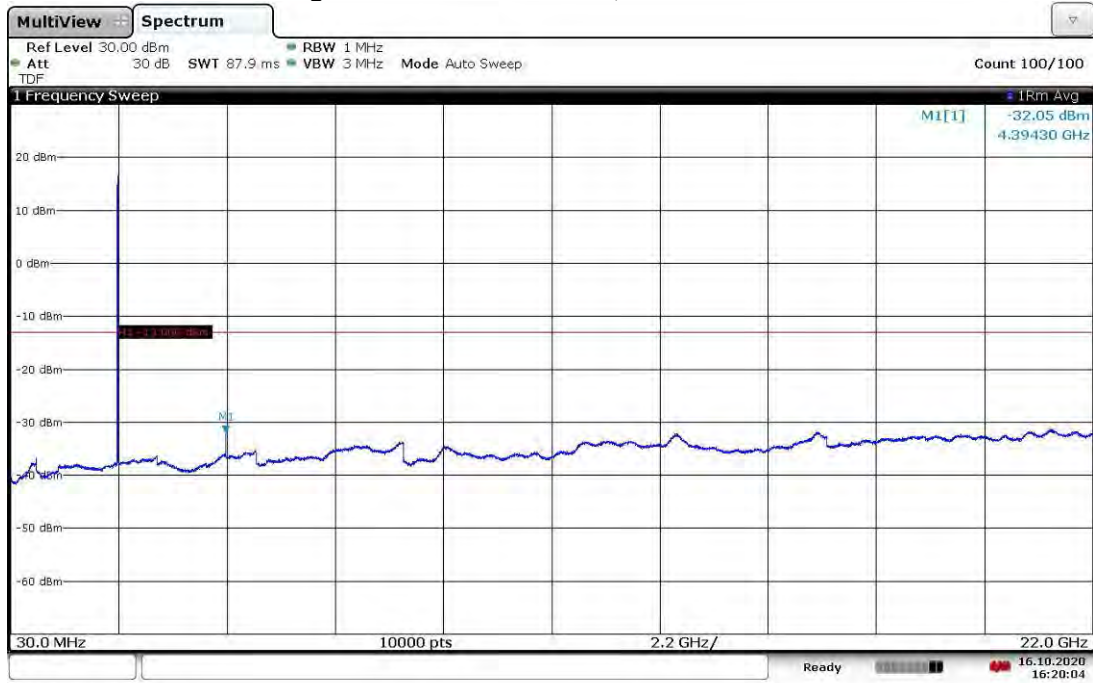
16:15:56 16.10.2020

**Band 66, ANT0, Modulation: TM3.1-64QAM, Bandwidth: 5 MHz,
Mid Channel: 2155 MHz, 30 MHz-22 GHz**

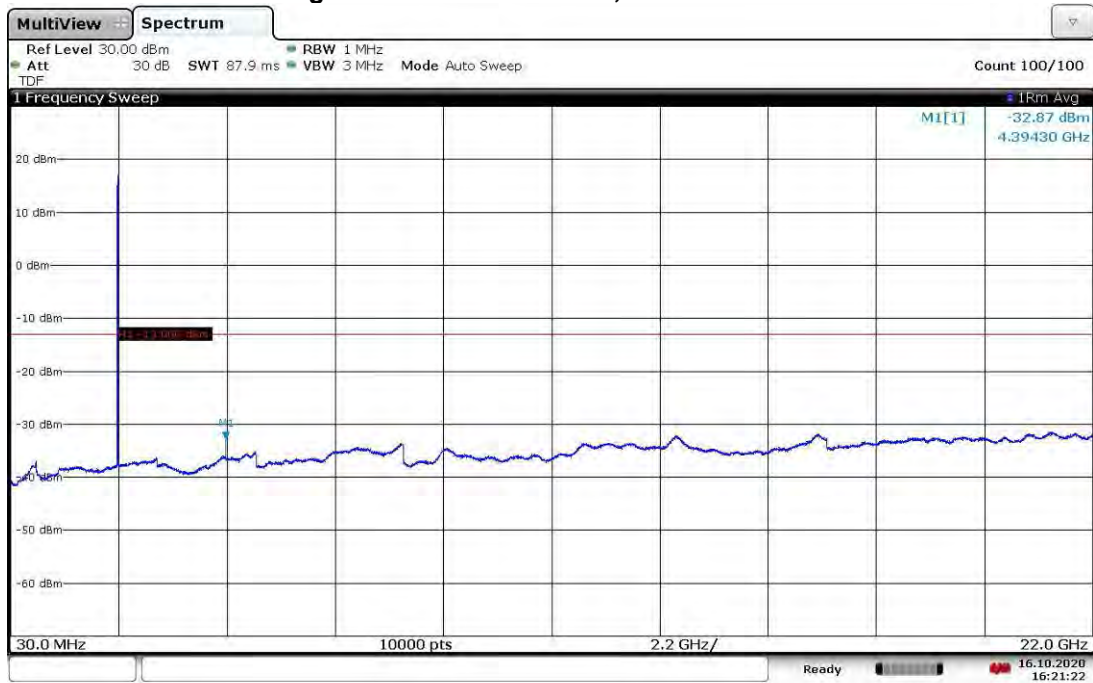
16:18:36 16.10.2020

**Band 66, ANT1, Modulation: TM3.1-64QAM, Bandwidth: 5 MHz,
Mid Channel: 2155 MHz, 30 MHz-22 GHz**

16:17:20 16.10.2020

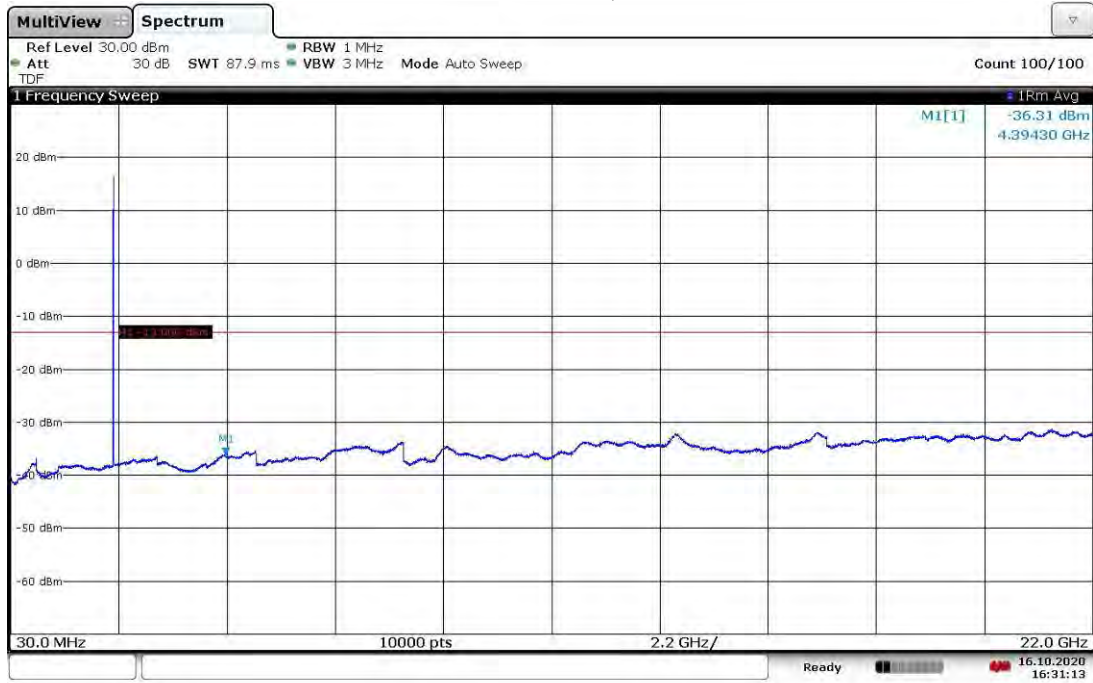
**Band 66, ANT0, Modulation: TM3.1-64QAM, Bandwidth: 5 MHz,
High Channel: 2197.5 MHz, 30 MHz-22 GHz**

16:20:05 16.10.2020

**Band 66, ANT1, Modulation: TM3.1-64QAM, Bandwidth: 5 MHz,
High Channel: 2197.5 MHz, 30 MHz-22 GHz**

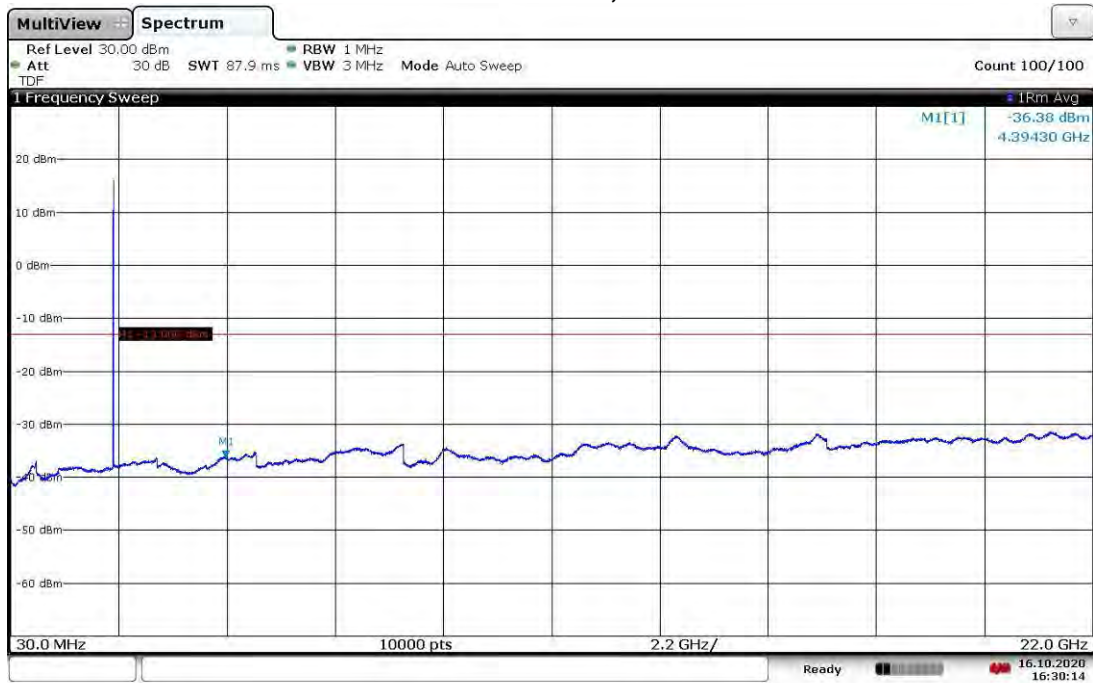
16:21:23 16.10.2020

**Band 66, ANT0, Modulation: TM3.1a-256QAM, Bandwidth: 5 MHz,
Low Channel: 2112.5 MHz, 30 MHz-22 GHz**

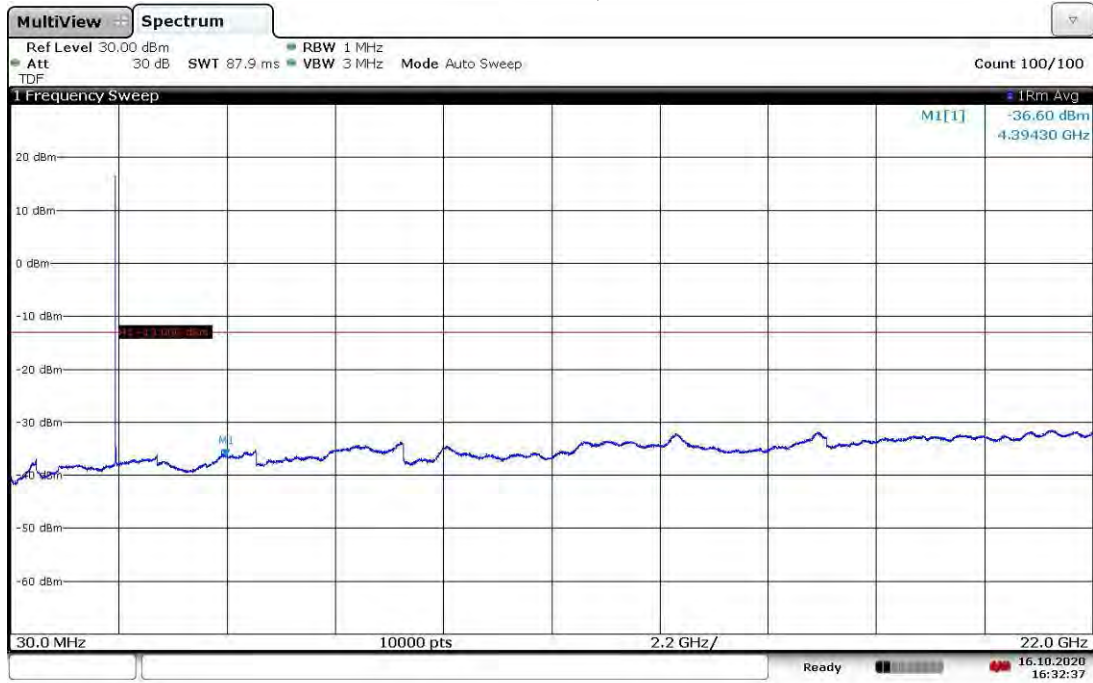


16:31:14 16.10.2020

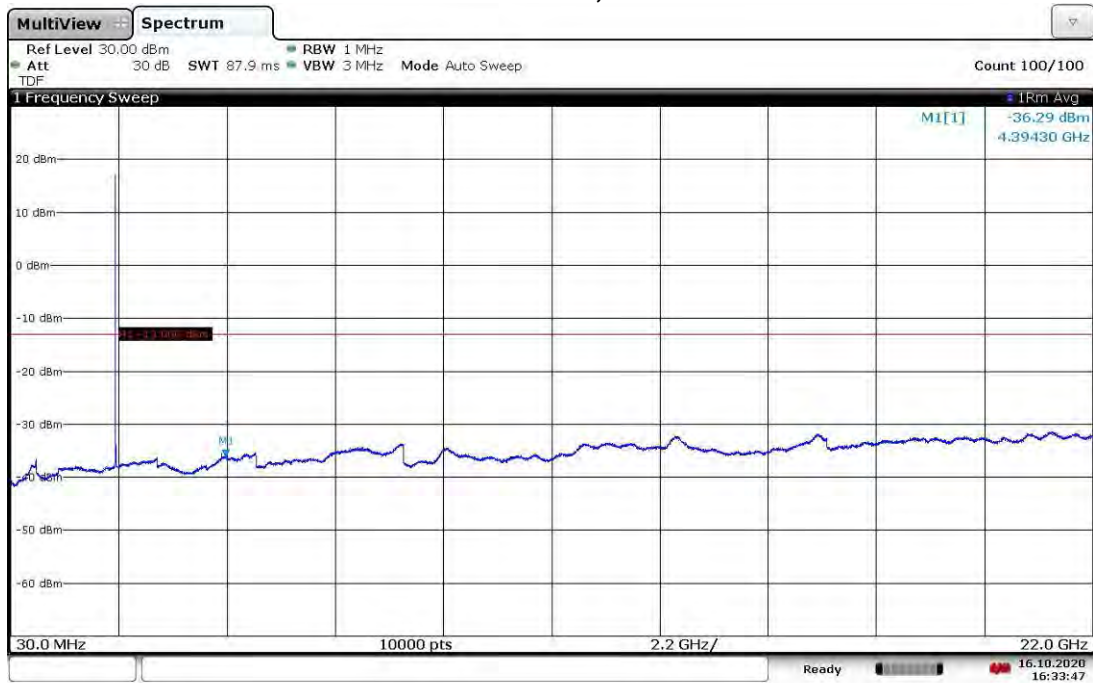
**Band 66, ANT1, Modulation: TM3.1a-256QAM, Bandwidth: 5 MHz,
Low Channel: 2112.5 MHz, 30 MHz-22 GHz**



16:30:14 16.10.2020

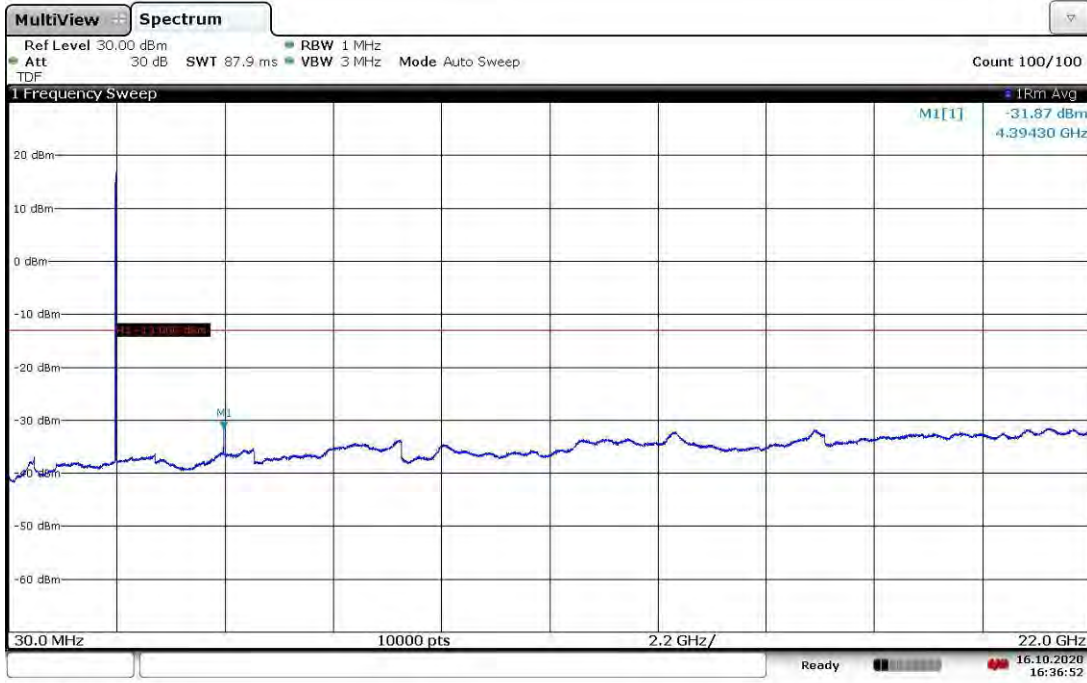
**Band 66, ANT0, Modulation: TM3.1a-256QAM, Bandwidth: 5 MHz,
Mid Channel: 2155 MHz, 30 MHz-22 GHz**

16:32:37 16.10.2020

**Band 66, ANT1, Modulation: TM3.1a-256QAM, Bandwidth: 5 MHz,
Mid Channel: 2155 MHz, 30 MHz-22 GHz**

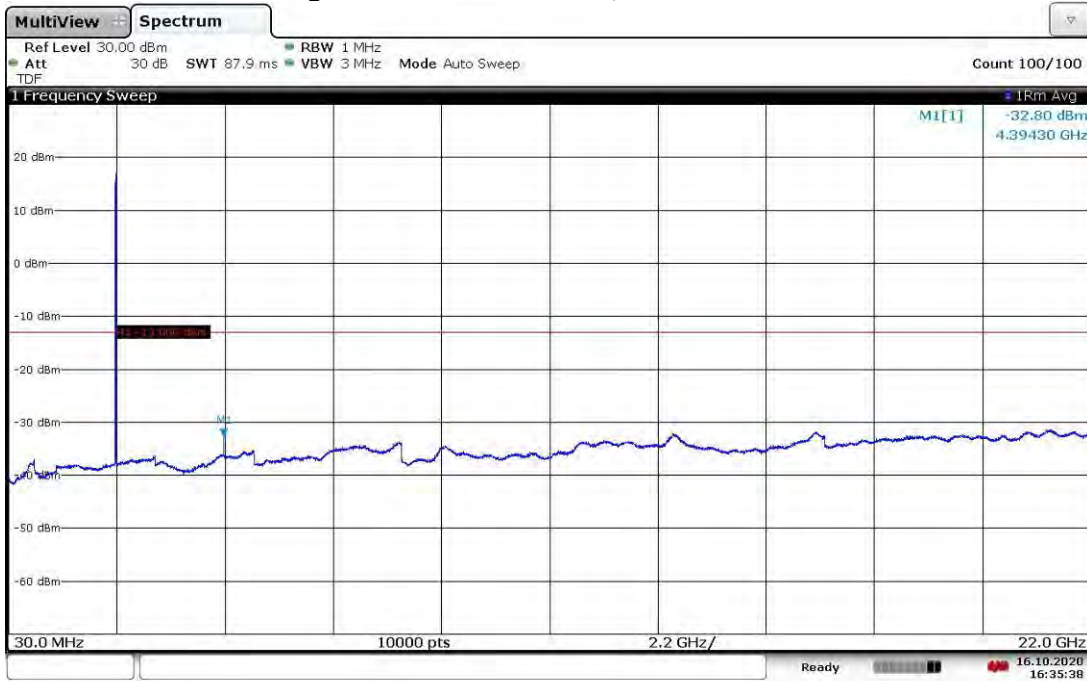
16:33:47 16.10.2020

**Band 66, ANT0, Modulation: TM3.1a-256QAM, Bandwidth: 5 MHz,
High Channel: 2197.5 MHz, 30 MHz-22 GHz**



16:36:53 16.10.2020

**Band 66, ANT1, Modulation: TM3.1a-256QAM, Bandwidth: 5 MHz,
High Channel: 2197.5 MHz, 30 MHz-22 GHz**



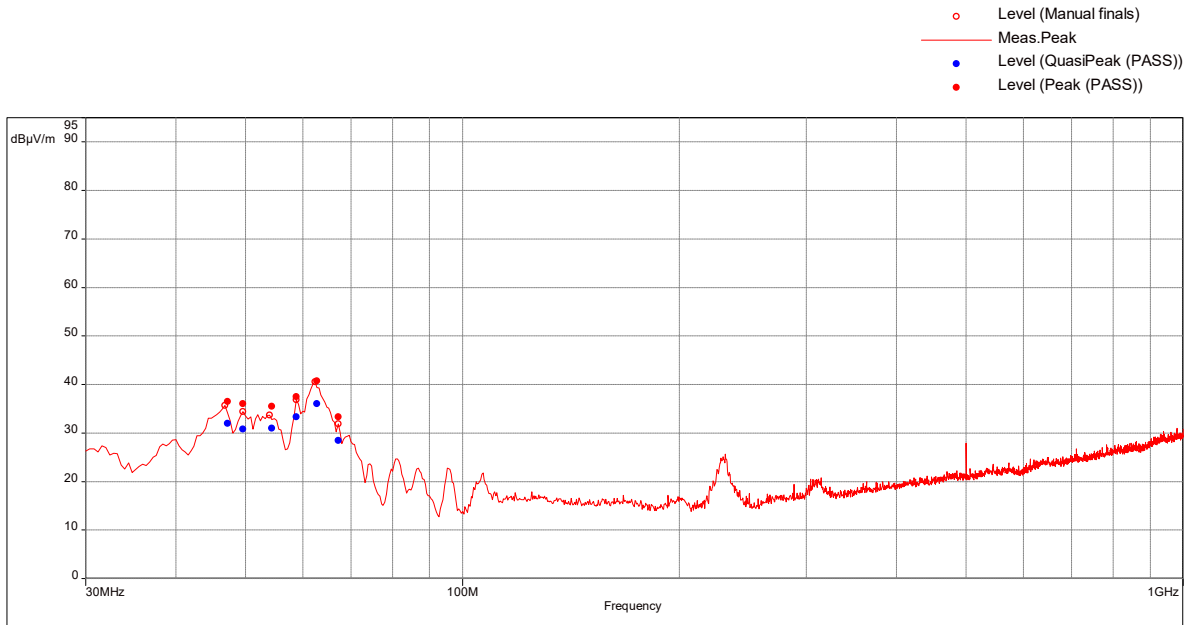
16:35:38 16.10.2020

Radiated Emissions, 30-1000 MHz
Band 66, Modulation: TM1.1-QPSK, Bandwidth 5 MHz, Transmit @ Low Channel 2112.5 MHz

Test Information:

Date and Time	11/1/2020 8:08:42 AM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, QPSK, Low Channel: 2112.5 MHz, 30-1000MHz SA mode

Graph:



Results:

Peak (EIRP)

Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
47.02105263	36.47	-48.33	-13	-35.33	202.00	2.46	Vertical	120000.00	-23.72
49.44210526	36.05	-48.75	-13	-35.75	314.00	2.48	Vertical	120000.00	-24.71
54.37894737	35.46	-49.34	-13	-36.34	306.00	2.09	Vertical	120000.00	-25.52
58.76842105	37.5	-47.3	-13	-34.3	359.00	1.59	Vertical	120000.00	-25.46
62.62105263	40.77	-44.03	-13	-31.03	225.00	1.88	Vertical	120000.00	-25.05
67.23157895	33.32	-51.48	-13	-38.48	240.00	2.04	Vertical	120000.00	-24.65

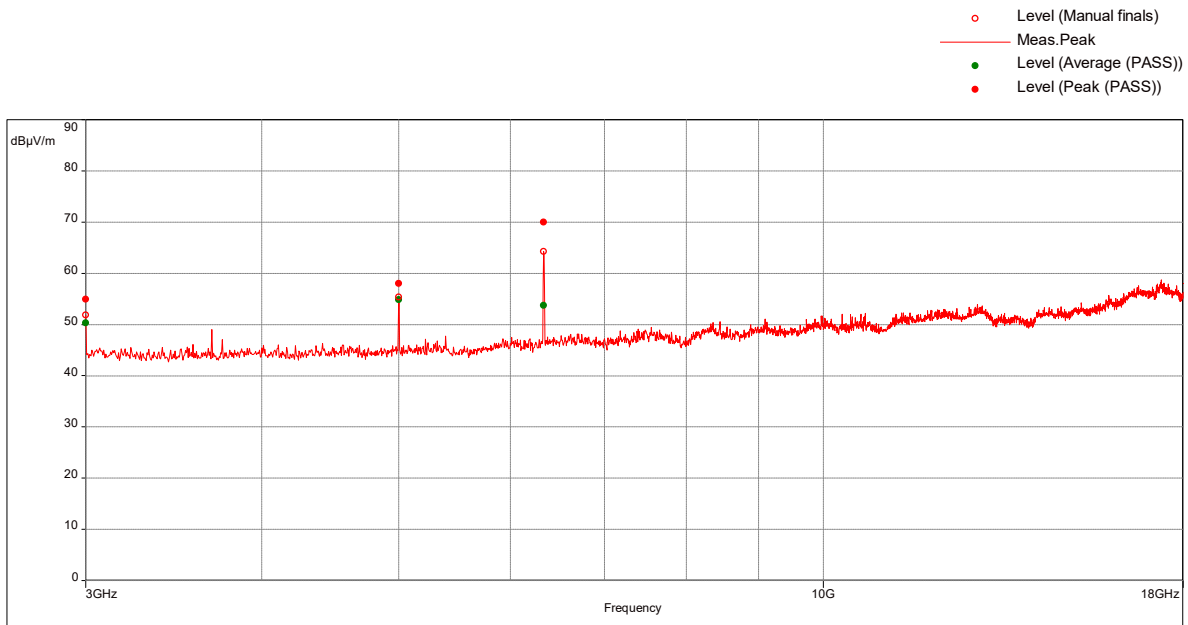
Level EIRP (dBm) = Level Peak (dBμV/m) – 84.8

**Radiated Emissions, 1-22 GHz
Band 66, Modulation: TM1.1-QPSK, Bandwidth 5 MHz, Transmit @ Low Channel 2112.5 MHz**

Test Information:

Date and Time	11/1/2020 5:42:52 PM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, QPSK Low Channel: 2112.5 MHz, 3-18 GHz with filter SA mode

Graph:



Results:

Peak (EIRP)

Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
3000	54.94	-40.32	-13	-27.32	18.00	1.90	Vertical	1000000.00	-13.43
5000	57.99	-37.27	-13	-24.27	17.00	2.15	Vertical	1000000.00	-9.72
6336.842105	70.02	-25.24	-13	-12.24	319.00	1.01	Vertical	1000000.00	-6.99

Notes: Manual scan was performed from 1-3 GHz and 18-22 GHz at 0.5 m and 10 cm, respectively, with no emission was detected.

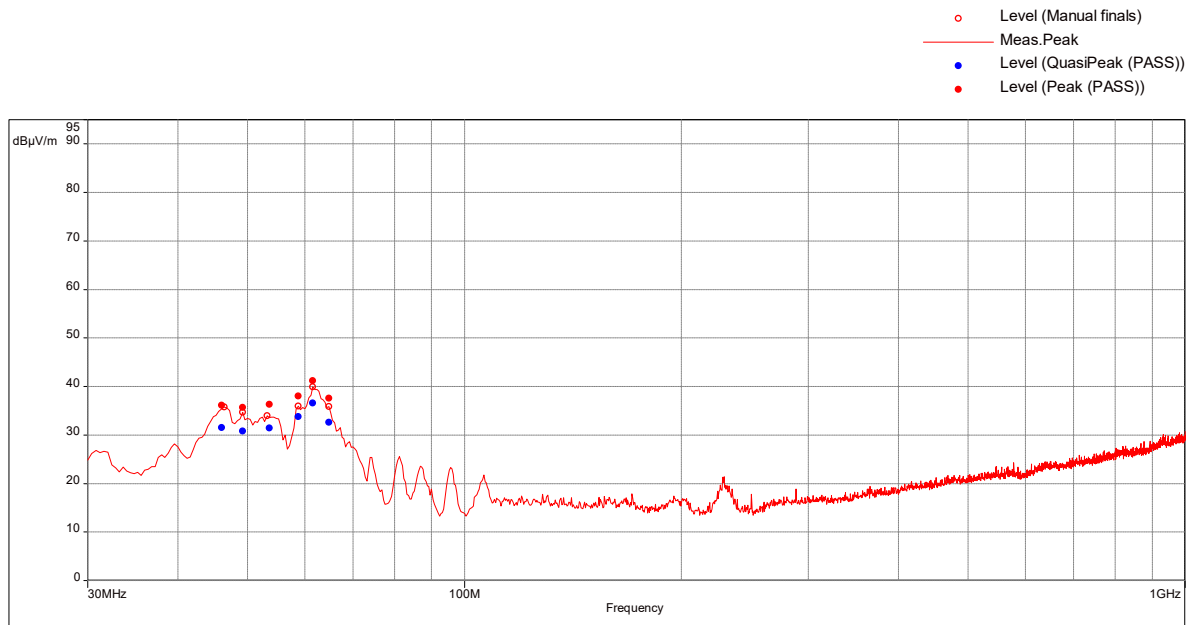
Level EIRP (dBm) = Level Peak (dBμV/m) – 95.26

**Radiated Emissions, 30-1000 MHz
Band 66, Modulation: TM1.1-QPSK, Bandwidth 5 MHz, Transmit @ Mid Channel 2155 MHz**

Test Information:

Date and Time	11/1/2020 8:53:12 AM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, QPSK, Mid Channel: 2155 MHz, 30-1000MHz SA mode

Graph:



Results:

Peak (EIRP)

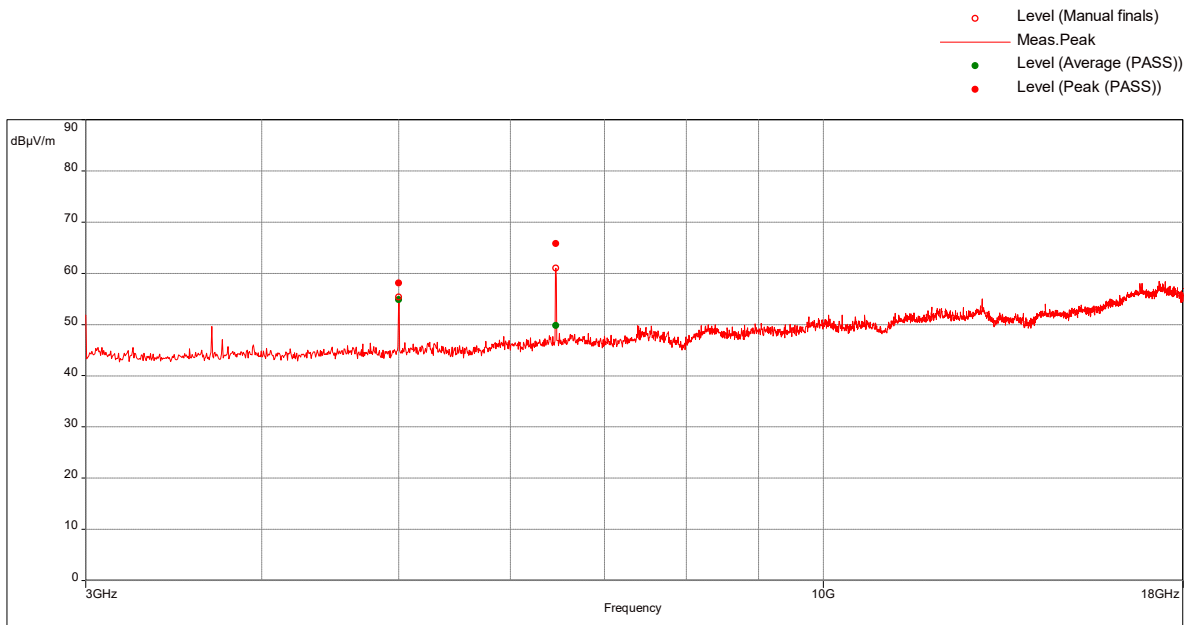
Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
46.17894737	36.15	-48.65	-13	-35.65	25.00	1.42	Vertical	120000.00	-23.31
49.38947368	35.65	-49.15	-13	-36.15	284.00	1.89	Vertical	120000.00	-24.69
53.48421053	36.27	-48.53	-13	-35.53	313.00	2.11	Vertical	120000.00	-25.48
58.73684211	38.04	-46.76	-13	-33.76	326.00	1.44	Vertical	120000.00	-25.46
61.72631579	41.22	-43.58	-13	-30.58	298.00	1.38	Vertical	120000.00	-25.15
64.67368421	37.54	-47.26	-13	-34.26	320.00	1.88	Vertical	120000.00	-24.92

Level EIRP (dBm) = Level Peak (dBμV/m) – 84.8

Radiated Emissions, 1-22 GHz
Band 66, Modulation: TM1.1-QPSK, Bandwidth 5 MHz, Transmit @ Mid Channel 2155 MHz

Test Information:

Date and Time	11/1/2020 5:59:28 PM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, QPSK Mid Channel: 2155 MHz, 3-18 GHz with filter SA mode

Graph:**Results:**

Peak (EIRP)

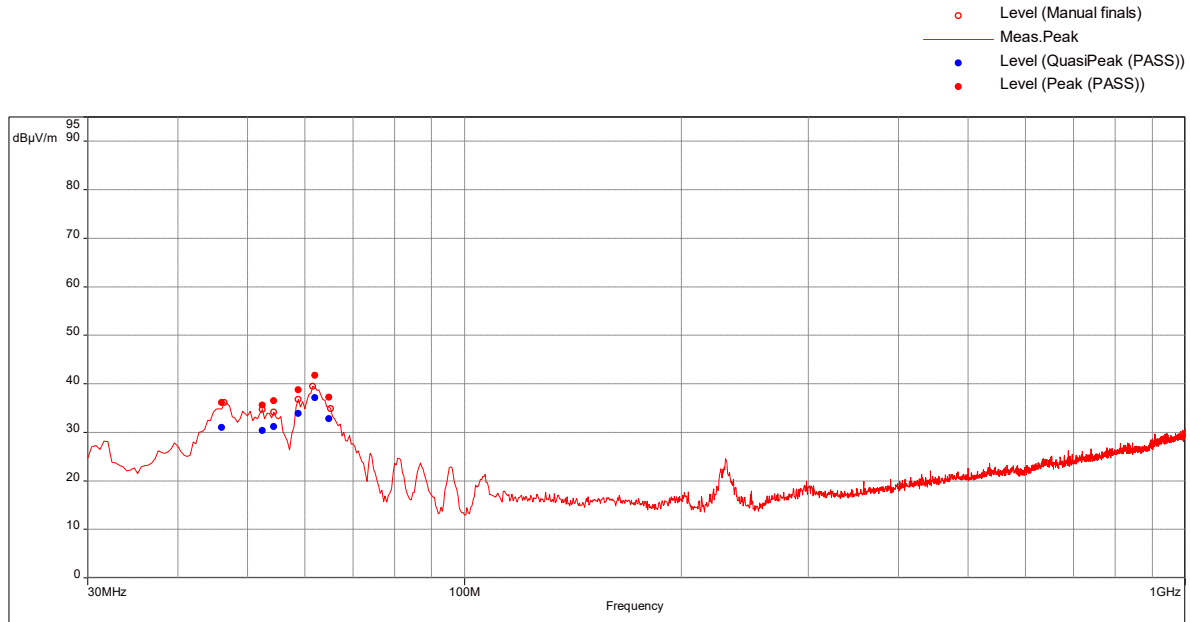
Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
5000	58.12	-37.14	-13	-24.14	18.00	2.15	Vertical	1000000.00	-9.72
6465	65.79	-29.47	-13	-16.47	326.00	1.05	Vertical	1000000.00	-6.83

Notes: Manual scan was performed from 1-3 GHz and 18-22 GHz at 0.5 m and 10 cm, respectively, with no emission was detected.

Level EIRP (dBm) = Level Peak (dBμV/m) – 95.26

Radiated Emissions, 30-1000 MHz**Band 66, Modulation: TM1.1-QPSK, Bandwidth 5 MHz, Transmit @ High Channel 2197.5 MHz****Test Information:**

Date and Time	11/1/2020 9:25:18 AM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, QPSK, High Channel: 2197.5 MHz, 30-1000MHz SA mode

Graph:**Results:****Peak (EIRP)**

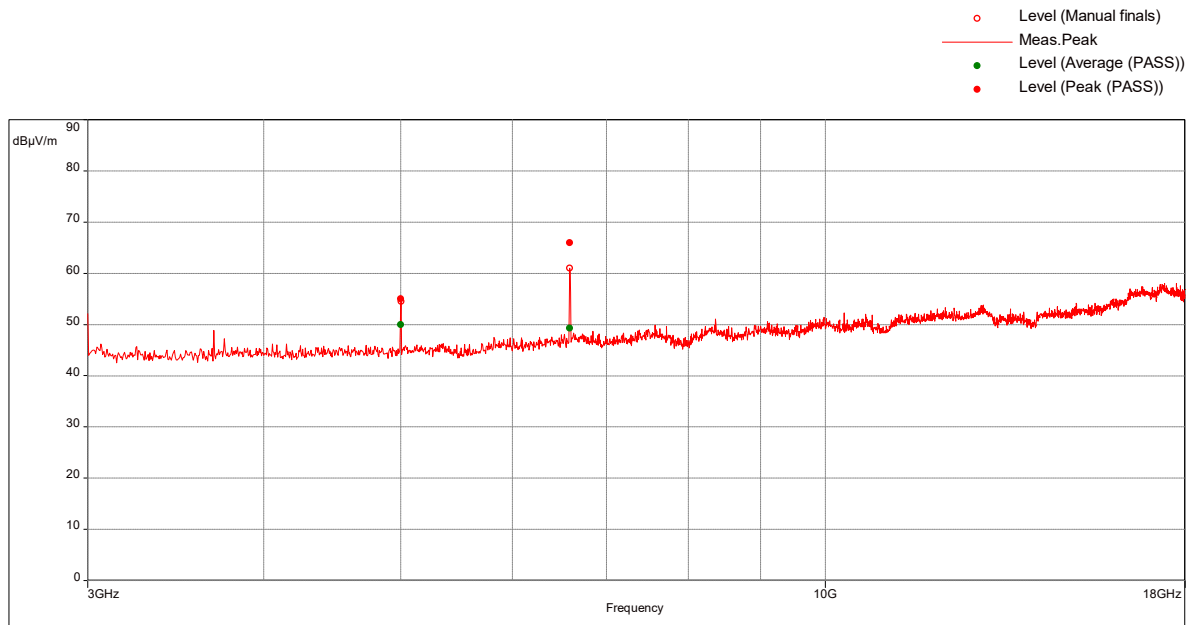
Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
46.11578947	36.14	-48.66	-13	-35.66	69.00	3.29	Vertical	120000.00	-23.28
52.55789474	35.6	-49.2	-13	-36.2	326.00	2.10	Vertical	120000.00	-25.35
54.49473684	36.5	-48.3	-13	-35.3	291.00	2.04	Vertical	120000.00	-25.52
58.98947368	38.74	-46.06	-13	-33.06	277.00	1.96	Vertical	120000.00	-25.46
61.97894737	41.75	-43.05	-13	-30.05	262.00	1.00	Vertical	120000.00	-25.12
64.78947368	37.19	-47.61	-13	-34.61	306.00	1.74	Vertical	120000.00	-24.91

Level EIRP (dBm) = Level Peak (dBμV/m) – 84.8

Radiated Emissions, 1-22 GHz
Band 66, Modulation: TM1.1-QPSK, Bandwidth 5 MHz, Transmit @ High Channel 2197.5 MHz

Test Information:

Date and Time	11/1/2020 6:13:29 PM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, QPSK High Channel: 2197.5 MHz, 3-18 GHz with filter SA mode

Graph:**Results:****Peak (EIRP)**

Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
5000	55	-40.26	-13	-27.26	61.00	3.30	Vertical	1000000.00	-9.72
6591.578947	65.98	-29.28	-13	-16.28	319.00	1.00	Vertical	1000000.00	-6.63

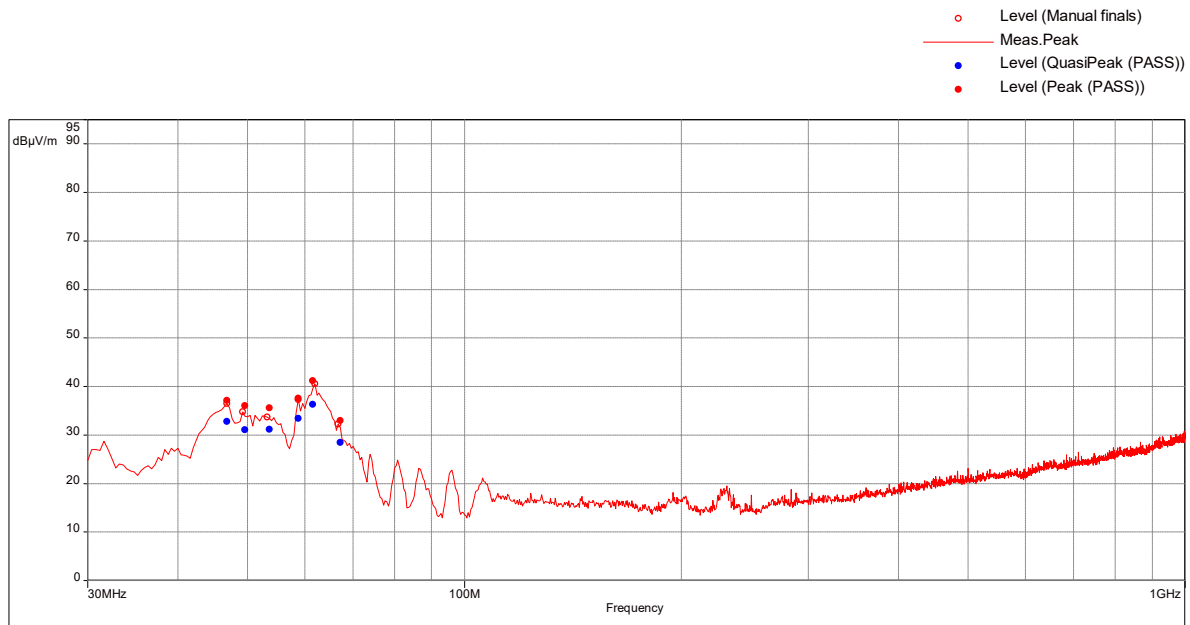
Notes: Manual scan was performed from 1-3 GHz and 18-22 GHz at 0.5 m and 10 cm, respectively, with no emission was detected.

Level EIRP (dBm) = Level Peak (dBμV/m) – 95.26

Radiated Emissions, 30-1000 MHz
Band 66, Modulation: TM3.2-16QAM, Bandwidth 5 MHz, Transmit @ Low Channel 2112.5 MHz

Test Information:

Date and Time	11/1/2020 10:00:22 AM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, 16QAM, Low Channel: 2112.5 MHz, 30-1000MHz SA mode

Graph:**Results:**

Peak (EIRP)

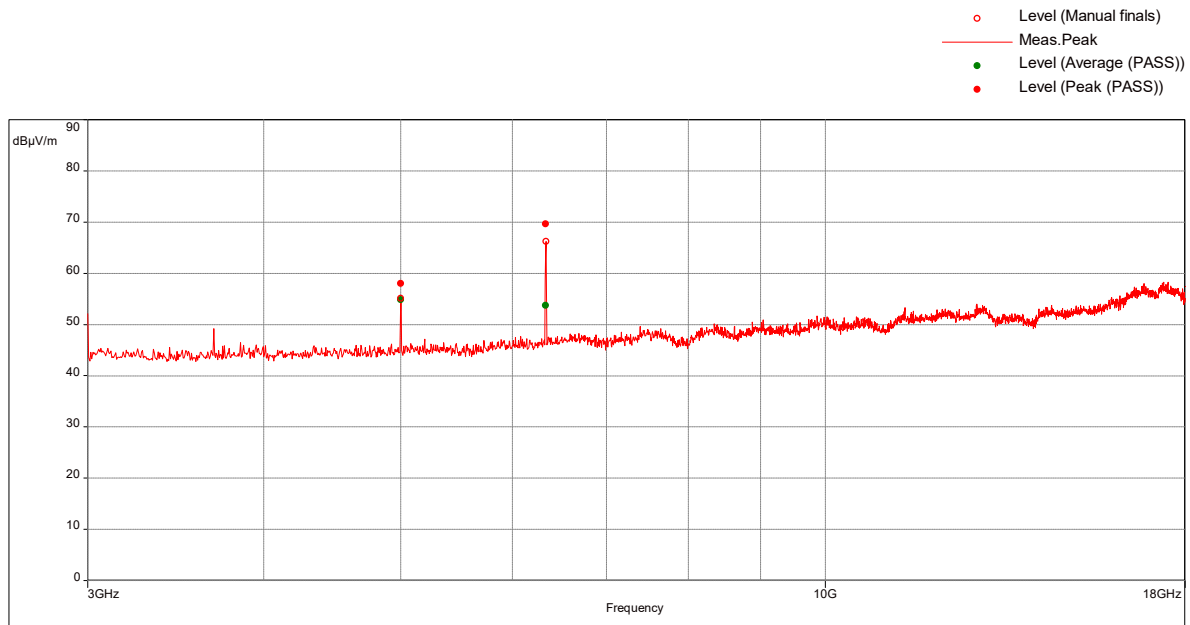
Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
46.73684211	37.08	-47.72	-13	-34.72	75.00	2.76	Vertical	120000.00	-23.58
49.42105263	36.03	-48.77	-13	-35.77	276.00	1.88	Vertical	120000.00	-24.70
53.64210526	35.58	-49.22	-13	-36.22	298.00	2.12	Vertical	120000.00	-25.49
58.92631579	37.62	-47.18	-13	-34.18	297.00	1.97	Vertical	120000.00	-25.46
61.74736842	41.21	-43.59	-13	-30.59	270.00	2.48	Vertical	120000.00	-25.15
67.05263158	32.99	-51.81	-13	-38.81	313.00	2.88	Vertical	120000.00	-24.66

Level EIRP (dBm) = Level Peak (dBμV/m) – 84.8

Radiated Emissions, 1-22 GHz
Band 66, Modulation: TM3.2-16QAM, Bandwidth 5 MHz, Transmit @ Low Channel 2112.5 MHz

Test Information:

Date and Time	11/1/2020 4:16:01 PM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, 16QAM, Low Channel: 2112.5 MHz, 3-18 GHz with filter SA mode

Graph:**Results:**

Peak (EIRP)

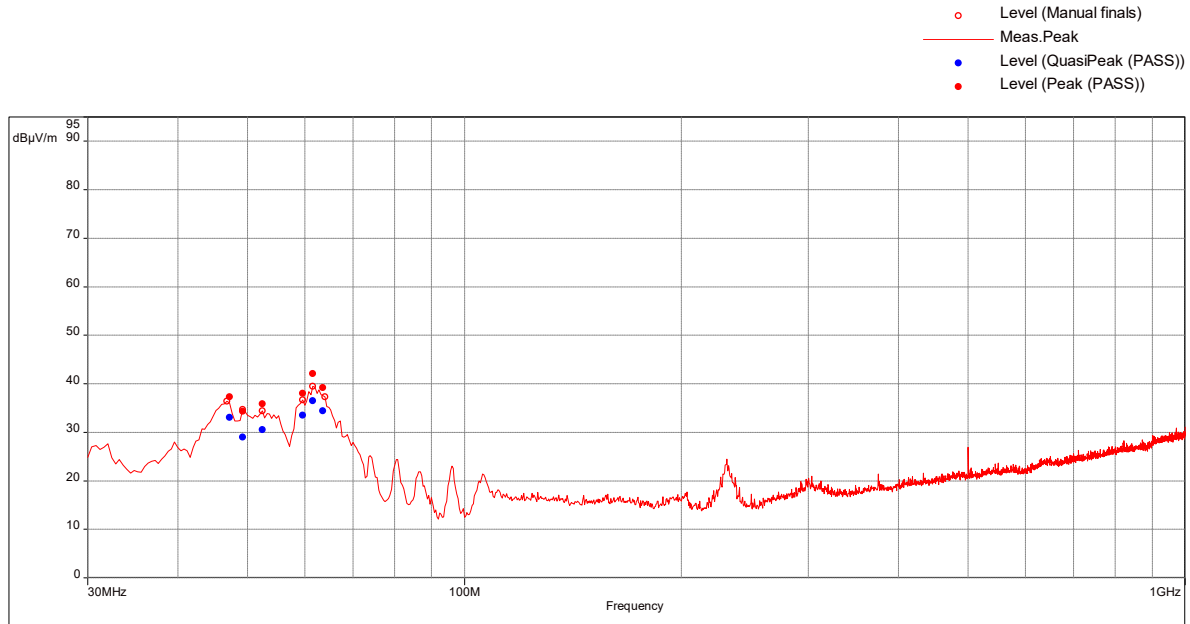
Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
5000	57.99	-37.27	-13	-24.27	17.00	2.15	Vertical	1000000.00	-9.72
6336.315789	69.61	-25.65	-13	-12.65	319.00	1.01	Vertical	1000000.00	-6.99

Notes: Manual scan was performed from 1-3 GHz and 18-22 GHz at 0.5 m and 10 cm, respectively, with no emission was detected.

$$\text{Level EIRP (dBm)} = \text{Level Peak (dB}\mu\text{V/m)} - 95.26$$

Radiated Emissions, 30-1000 MHz**Band 66, Modulation: TM3.2-16QAM, Bandwidth 5 MHz, Transmit @ Mid Channel 2155 MHz****Test Information:**

Date and Time	11/1/2020 10:31:59 AM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, 16QAM, Mid Channel: 2155 MHz, 30-1000MHz SA mode

Graph:**Results:****Peak (EIRP)**

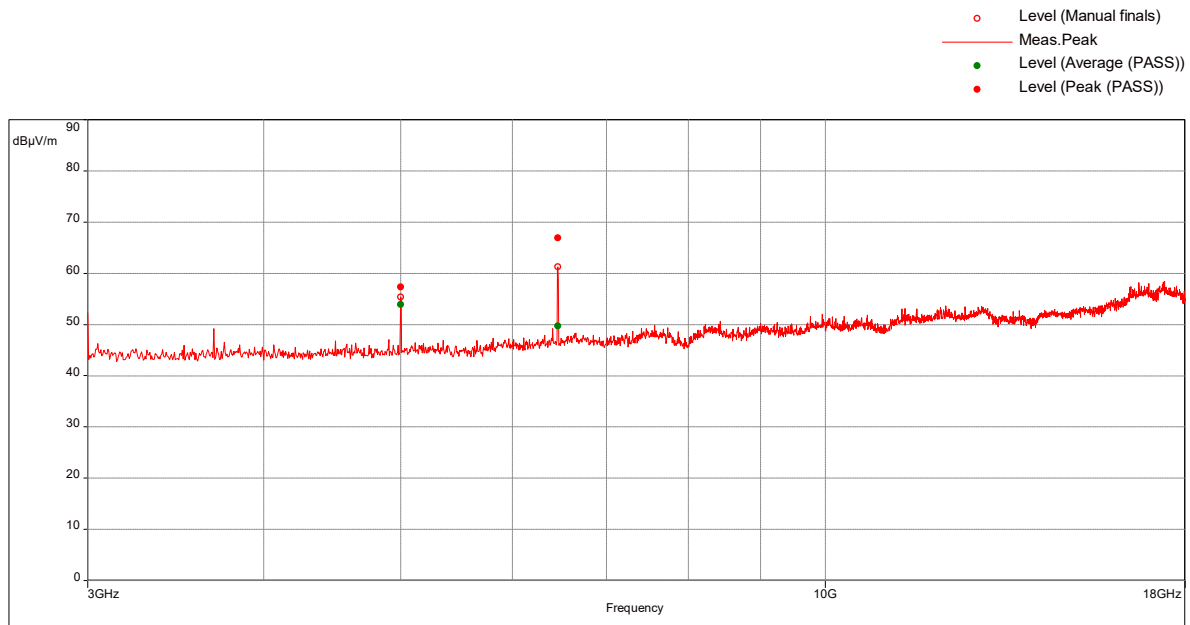
Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
47.05263158	37.32	-47.48	-13	-34.48	4.00	1.80	Vertical	120000.00	-23.73
49.35789474	34.31	-50.49	-13	-37.49	172.00	3.89	Vertical	120000.00	-24.68
52.30526316	35.87	-48.93	-13	-35.93	285.00	1.59	Vertical	120000.00	-25.30
59.69473684	38.03	-46.77	-13	-33.77	291.00	1.97	Vertical	120000.00	-25.38
61.69473684	42.08	-42.72	-13	-29.72	256.00	1.73	Vertical	120000.00	-25.15
63.74736842	39.17	-45.63	-13	-32.63	225.00	1.86	Vertical	120000.00	-25.00

Level EIRP (dBm) = Level Peak (dBμV/m) – 84.8

Radiated Emissions, 1-22 GHz
Band 66, Modulation: TM3.2-16QAM, Bandwidth 5 MHz, Transmit @ Mid Channel 2155 MHz

Test Information:

Date and Time	11/1/2020 4:31:31 PM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, 16QAM, Mid Channel: 2155 MHz, 3-18 GHz with filter SA mode

Graph:**Results:****Peak (EIRP)**

Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
5000	57.33	-37.93	-13	-24.93	10.00	2.15	Vertical	1000000.00	-9.72
6463.947368	66.95	-28.31	-13	-15.31	321.00	1.05	Vertical	1000000.00	-6.83

Notes: Manual scan was performed from 1-3 GHz and 18-22 GHz at 0.5 m and 10 cm, respectively, with no emission was detected.

$$\text{Level EIRP (dBm)} = \text{Level Peak (dB}\mu\text{V/m)} - 95.26$$

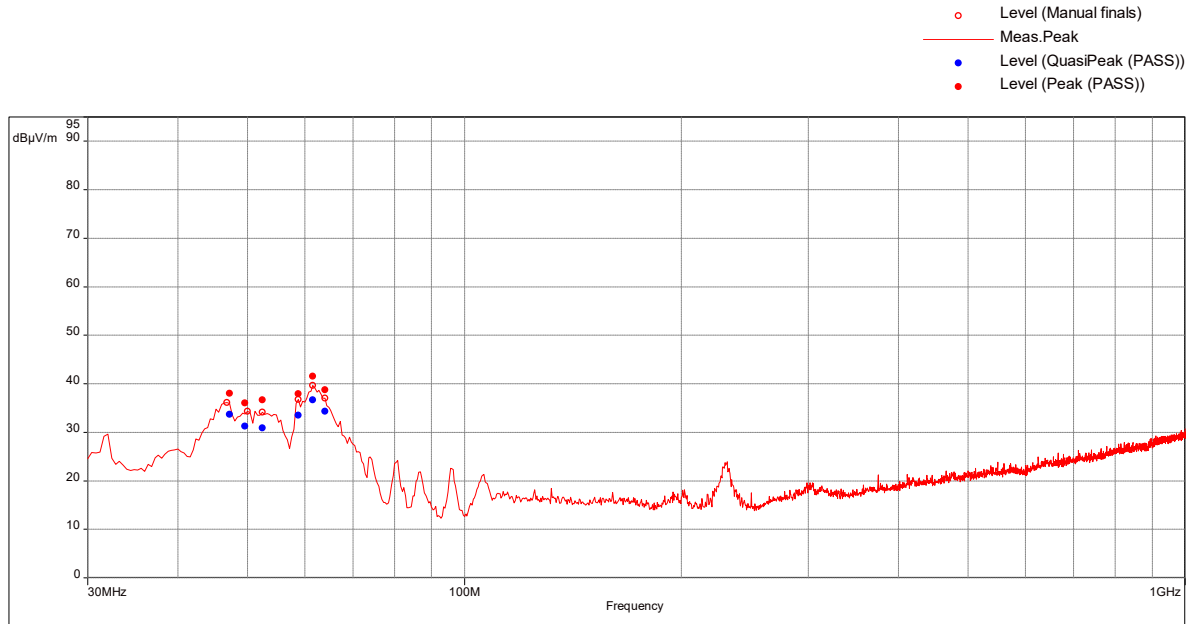
Radiated Emissions, 30-1000 MHz

Band 66, Modulation: TM3.2-16QAM, Bandwidth 5 MHz, Transmit @ High Channel 2197.5 MHz

Test Information:

Date and Time	11/1/2020 11:18:38 AM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, 16QAM, High Channel: 2197.5 MHz, 30-1000MHz SA mode

Graph:



Results:

Peak (EIRP)

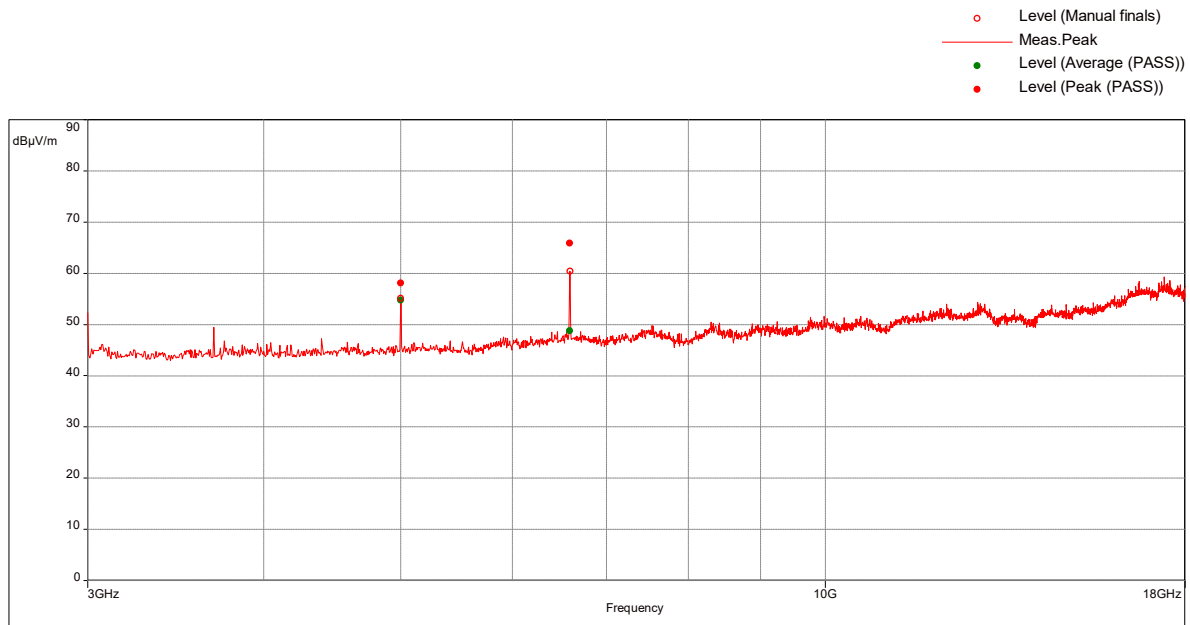
Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
47.08421053	37.99	-46.81	-13	-33.81	4.00	1.00	Vertical	120000.00	-23.75
49.52631579	36.05	-48.75	-13	-35.75	269.00	2.18	Vertical	120000.00	-24.73
52.4	36.7	-48.1	-13	-35.1	254.00	1.44	Vertical	120000.00	-25.32
58.92631579	37.91	-46.89	-13	-33.89	306.00	1.35	Vertical	120000.00	-25.46
61.75789474	41.51	-43.29	-13	-30.29	254.00	2.40	Vertical	120000.00	-25.15
63.87368421	38.77	-46.03	-13	-33.03	181.00	1.86	Vertical	120000.00	-24.99

Level EIRP (dBm) = Level Peak (dBμV/m) – 84.8

Radiated Emissions, 1-22 GHz
Band 66, Modulation: TM3.2-16QAM, Bandwidth 5 MHz, Transmit @ High Channel 2197.5 MHz

Test Information:

Date and Time	11/1/2020 4:45:33 PM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, 16QAM, High Channel: 2197.5 MHz, 3-18 GHz with filter SA mode

Graph:**Results:****Peak (EIRP)**

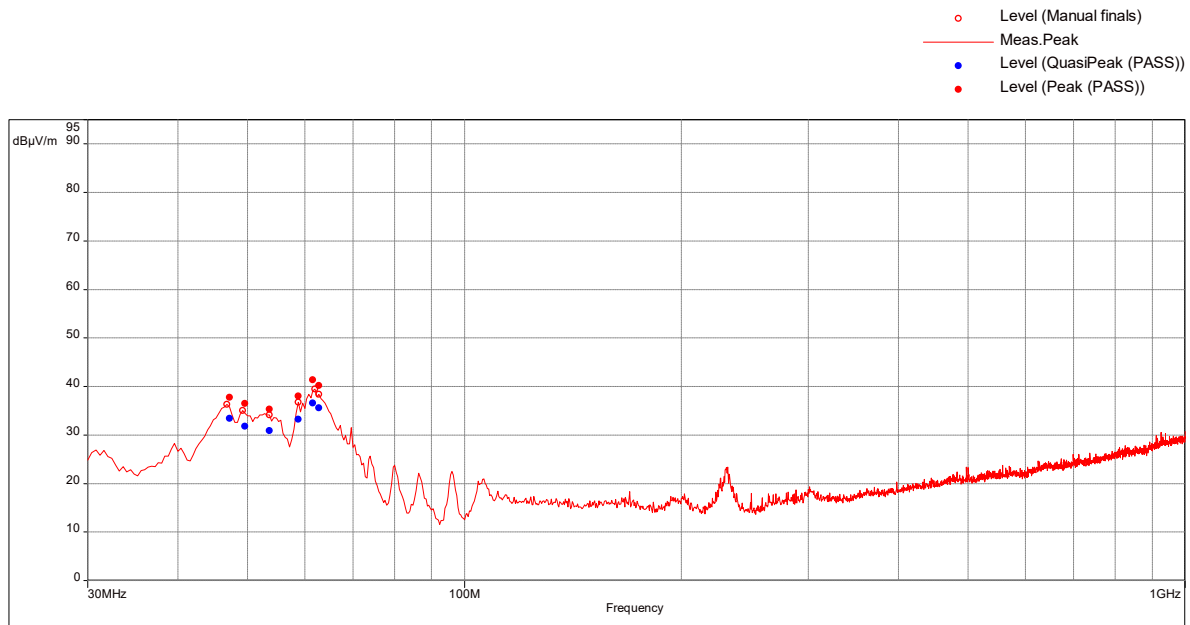
Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
5000	58.12	-37.14	-13	-24.14	18.00	2.15	Vertical	1000000.00	-9.72
6591.315789	65.85	-29.41	-13	-16.41	320.00	1.01	Vertical	1000000.00	-6.63

Notes: Manual scan was performed from 1-3 GHz and 18-22 GHz at 0.5 m and 10 cm, respectively, with no emission was detected.

Level EIRP (dBm) = Level Peak (dBμV/m) – 95.26

Radiated Emissions, 30-1000 MHz**Band 66, Modulation: TM3.1-64QAM, Bandwidth 5 MHz, Transmit @ Low Channel 2112.5 MHz****Test Information:**

Date and Time	11/1/2020 11:58:03 AM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, 64QAM, Low Channel: 2112.5 MHz, 30-1000MHz SA mode

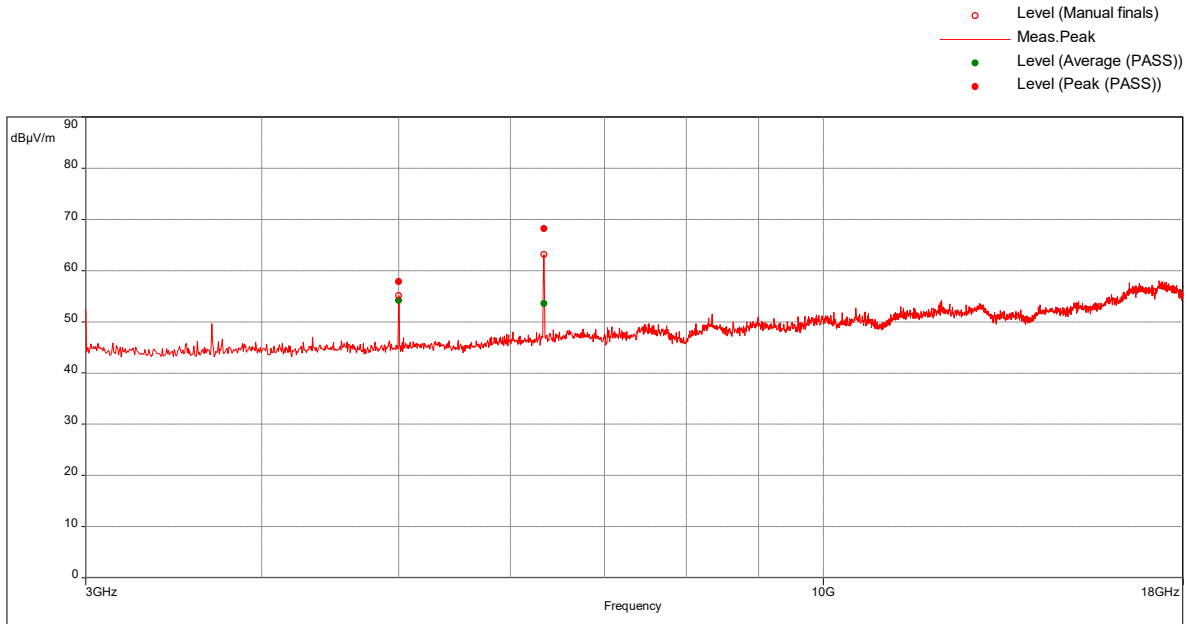
Graph:**Results:****Peak (EIRP)**

Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
47.21052632	37.78	-47.02	-13	-34.02	100.00	2.61	Vertical	120000.00	-23.81
49.45263158	36.53	-48.27	-13	-35.27	239.00	1.52	Vertical	120000.00	-24.71
53.53684211	35.29	-49.51	-13	-36.51	284.00	2.54	Vertical	120000.00	-25.48
58.92631579	38.01	-46.79	-13	-33.79	232.00	1.37	Vertical	120000.00	-25.46
61.71578947	41.4	-43.4	-13	-30.4	247.00	2.26	Vertical	120000.00	-25.15
62.8	40.23	-44.57	-13	-31.57	246.00	1.73	Vertical	120000.00	-25.03

$$\text{Level EIRP (dBm)} = \text{Level Peak (dB}\mu\text{V/m)} - 84.8$$

Radiated Emissions, 1-22 GHz**Band 66, Modulation: TM3.1-64QAM, Bandwidth 5 MHz, Transmit @ Low Channel 2112.5 MHz****Test Information:**

Date and Time	11/1/2020 5:00:36 PM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, 64QAM Low Channel: 2112.5 MHz, 3-18 GHz with filter SA mode

Graph:**Results:****Peak (EIRP)**

Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
5000	57.85	-37.41	-13	-24.41	11.00	1.20	Vertical	1000000.00	-9.72
6339.473684	68.21	-27.05	-13	-14.05	320.00	1.00	Vertical	1000000.00	-6.99

Notes: Manual scan was performed from 1-3 GHz and 18-22 GHz at 0.5 m and 10 cm, respectively, with no emission was detected.

Level EIRP (dBm) = Level Peak (dBμV/m) – 95.26

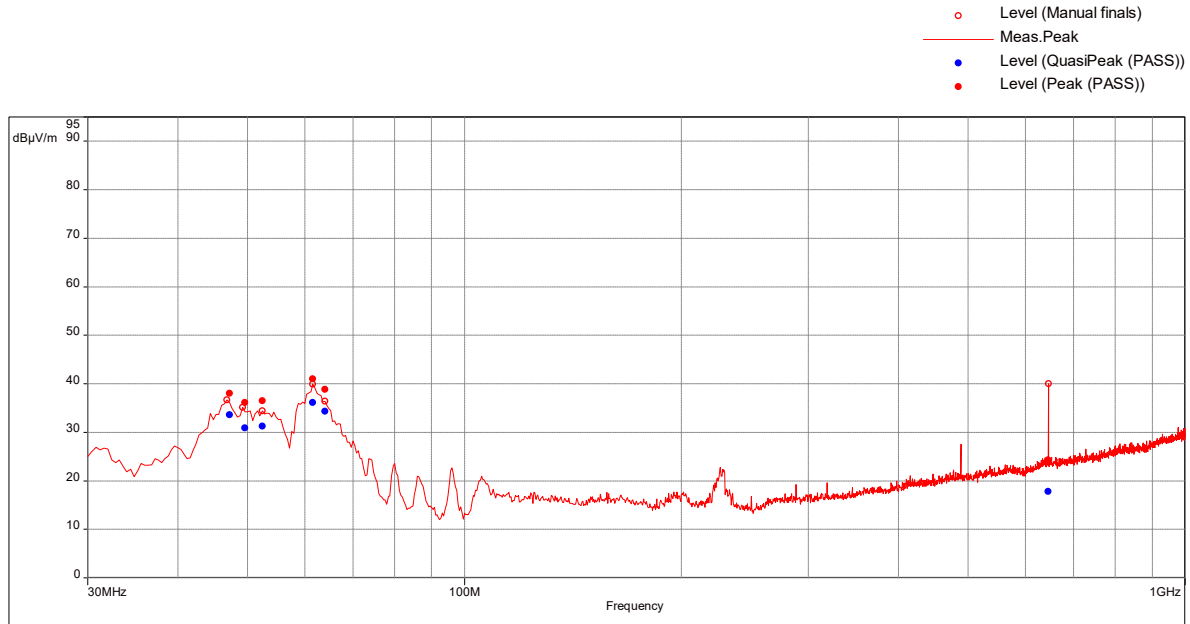
Radiated Emissions, 30-1000 MHz

Band 66, Modulation: TM3.1-64QAM, Bandwidth 5 MHz, Transmit @ Mid Channel 2155 MHz

Test Information:

Date and Time	11/1/2020 12:30:46 PM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, 64QAM, Mid Channel: 2155 MHz, 30-1000MHz SA mode

Graph:



Results:

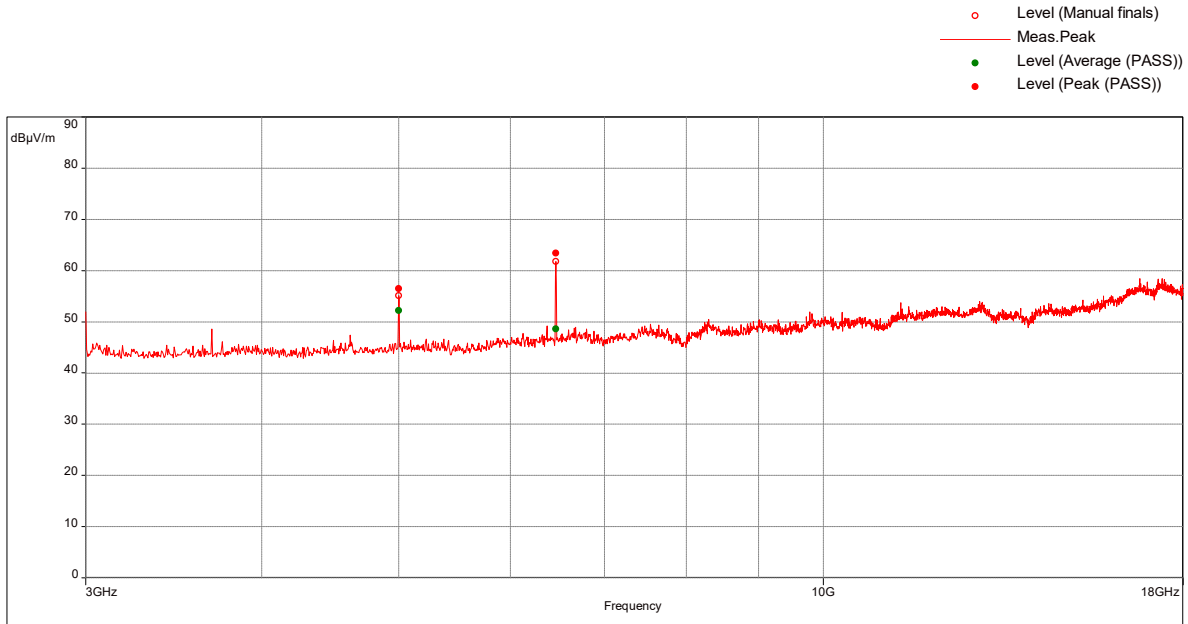
Peak (EIRP)

Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
47.17894737	38.03	-46.77	-13	-33.77	4.00	1.44	Vertical	120000.00	-23.79
49.67368421	36.12	-48.68	-13	-35.68	282.00	1.00	Vertical	120000.00	-24.77
52.55789474	36.53	-48.27	-13	-35.27	278.00	1.44	Vertical	120000.00	-25.35
61.75789474	40.97	-43.83	-13	-30.83	158.00	1.74	Vertical	120000.00	-25.15
63.93684211	38.79	-46.01	-13	-33.01	239.00	1.81	Vertical	120000.00	-24.99
645.5894737	24.34	-60.46	-13	-47.46	55.00	2.03	Vertical	120000.00	-9.69

Level EIRP (dBm) = Level Peak (dBμV/m) – 84.8

Radiated Emissions, 1-22 GHz**Band 66, Modulation: TM3.1-64QAM, Bandwidth 5 MHz, Transmit @ Mid Channel 2155 MHz****Test Information:**

Date and Time	11/1/2020 5:16:21 PM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, 64QAM Mid Channel: 2155 MHz, 3-18 GHz with filter SA mode

Graph:**Results:****Peak (EIRP)**

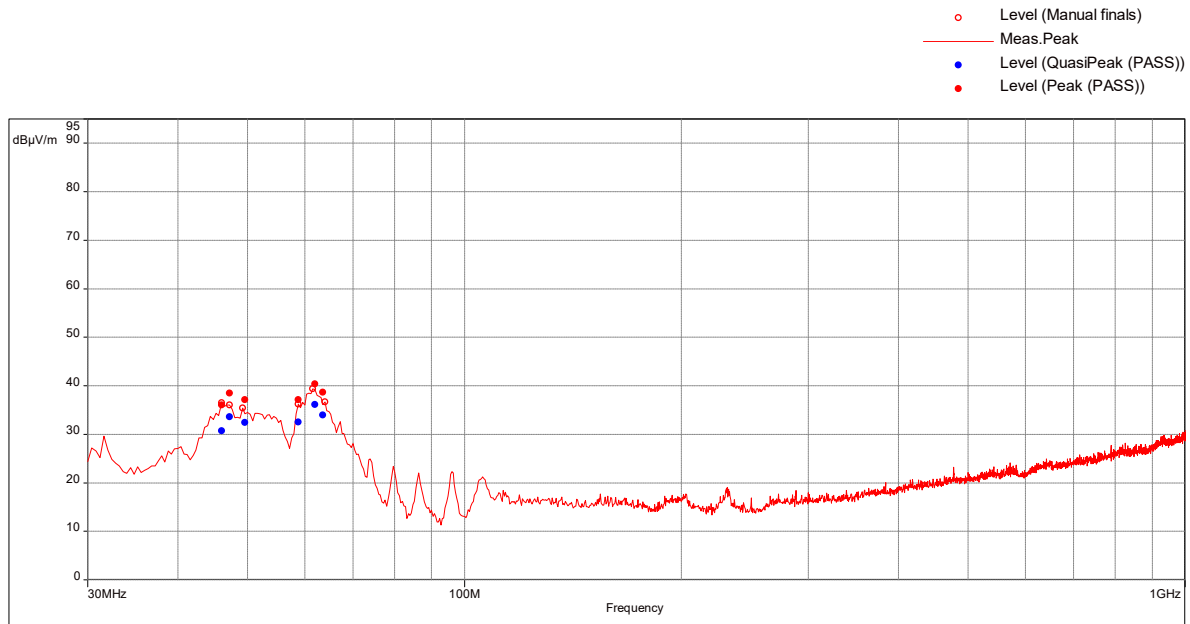
Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
5000.263158	56.43	-38.83	-13	-25.83	11.00	1.70	Vertical	1000000.00	-9.72
6465	63.38	-31.88	-13	-18.88	327.00	3.30	Vertical	1000000.00	-6.83

Notes: Manual scan was performed from 1-3 GHz and 18-22 GHz at 0.5 m and 10 cm, respectively, with no emission was detected.

Level EIRP (dBm) = Level Peak (dBμV/m) – 95.26

Radiated Emissions, 30-1000 MHz**Band 66, Modulation: TM3.1-64QAM, Bandwidth 5 MHz, Transmit @ High Channel 2197.5 MHz****Test Information:**

Date and Time	11/1/2020 1:04:55 PM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, 64QAM, High Channel: 2197.5 MHz, 30-1000MHz SA mode

Graph:**Results:****Peak (EIRP)**

Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
45.93684211	35.99	-48.81	-13	-35.81	0.00	2.48	Vertical	120000.00	-23.19
47.26315789	38.51	-46.29	-13	-33.29	0.00	1.36	Vertical	120000.00	-23.83
49.45263158	37.15	-47.65	-13	-34.65	246.00	1.00	Vertical	120000.00	-24.71
58.92631579	37.12	-47.68	-13	-34.68	186.00	1.66	Vertical	120000.00	-25.46
61.88421053	40.36	-44.44	-13	-31.44	180.00	1.81	Vertical	120000.00	-25.13
63.74736842	38.69	-46.11	-13	-33.11	246.00	1.88	Vertical	120000.00	-25.00

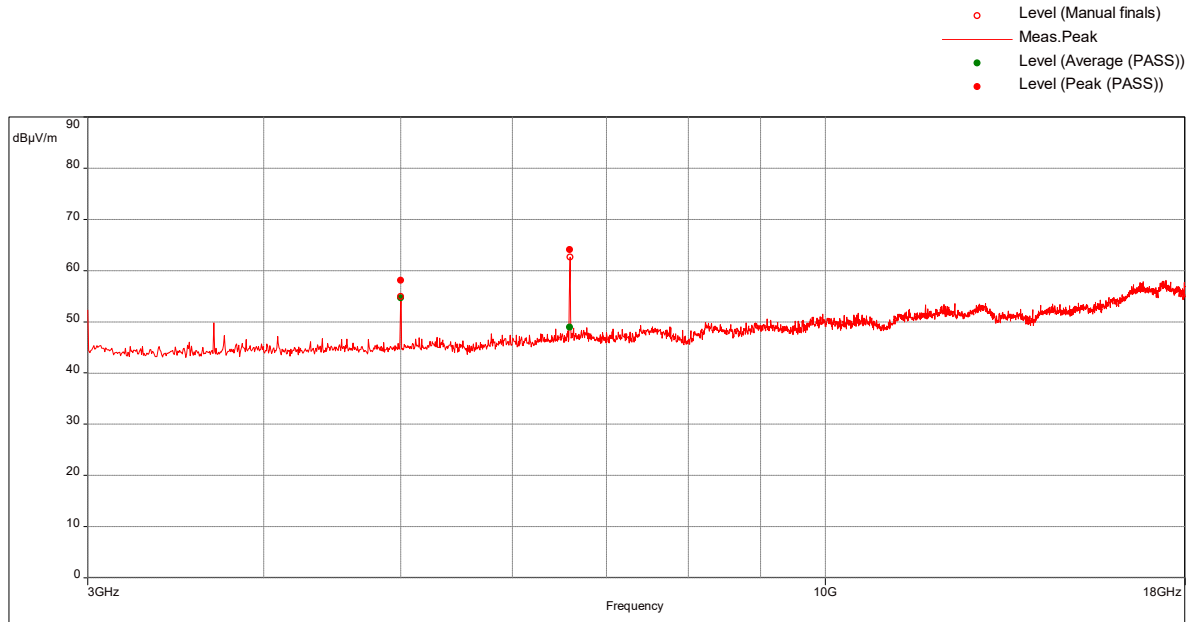
$$\text{Level EIRP (dBm)} = \text{Level Peak (dB}\mu\text{V/m)} - 84.8$$

Radiated Emissions, 1-22 GHz

Band 66, Modulation: TM3.1-64QAM, Bandwidth 5 MHz, Transmit @ High Channel 2197.5 MHz

Test Information:

Date and Time	11/1/2020 5:28:17 PM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, 64QAM High Channel: 2197.5 MHz, 3-18 GHz with filter SA mode

Graph:Results:

Peak (EIRP)

Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
5000	58.12	-37.14	-13	-24.14	18.00	3.05	Vertical	1000000.00	-9.72
6591.315789	64.12	-31.14	-13	-18.14	320.00	1.05	Vertical	1000000.00	-6.63

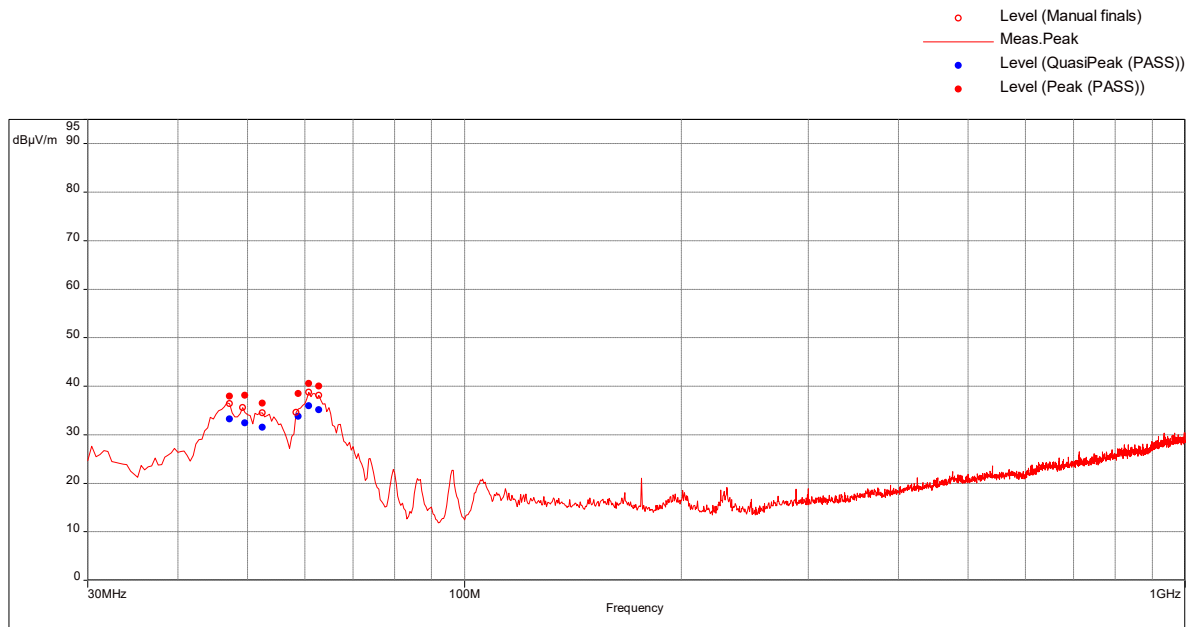
Notes: Manual scan was performed from 1-3 GHz and 18-22 GHz at 0.5 m and 10 cm, respectively, with no emission was detected.

Level EIRP (dBm) = Level Peak (dBμV/m) – 95.26

Radiated Emissions, 30-1000 MHz
Band 66, Modulation: TM3.1a-256QAM, Bandwidth 5 MHz, Transmit @ Low Channel 2112.5 MHz

Test Information:

Date and Time	11/1/2020 1:36:30 PM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, 256QAM, Low Channel: 2112.5 MHz, 30-1000MHz SA mode

Graph:**Results:**

Peak (EIRP)

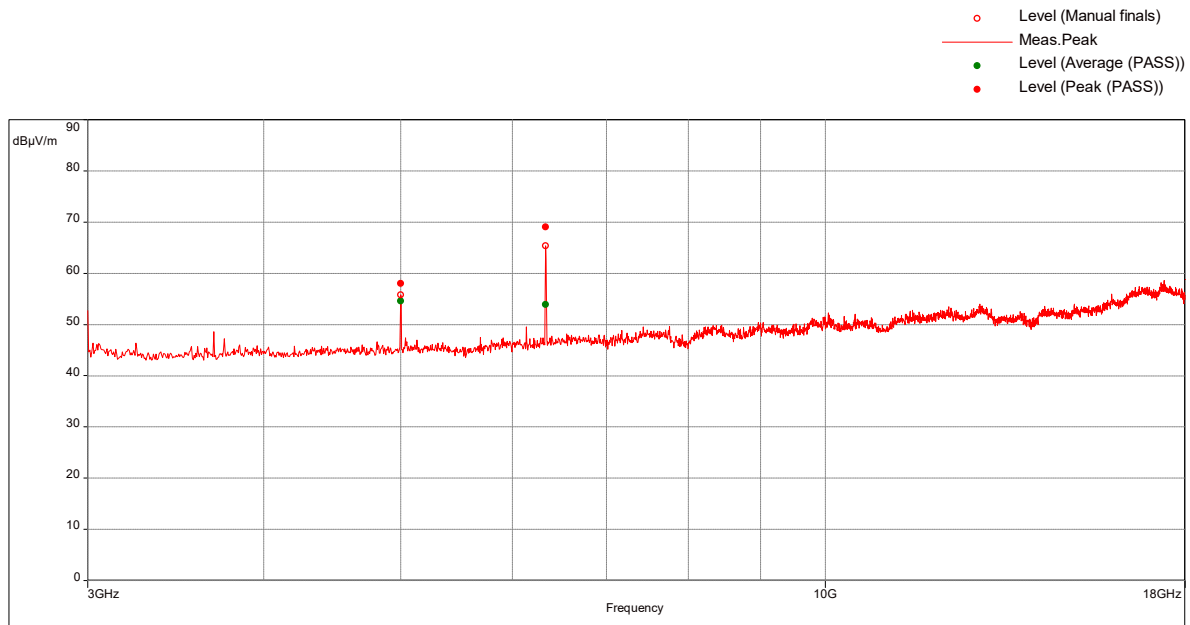
Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
47.29473684	37.96	-57.3	-13	-44.3	0.00	2.92	Vertical	120000.00	-23.85
49.45263158	38.08	-57.18	-13	-44.18	268.00	1.00	Vertical	120000.00	-24.71
52.49473684	36.51	-58.75	-13	-45.75	254.00	1.44	Vertical	120000.00	-25.34
58.96842105	38.44	-56.82	-13	-43.82	356.00	2.56	Vertical	120000.00	-25.46
60.92631579	40.52	-54.74	-13	-41.74	240.00	2.19	Vertical	120000.00	-25.24
62.98947368	39.98	-55.28	-13	-42.28	203.00	1.88	Vertical	120000.00	-25.01

Level EIRP (dBm) = Level Peak (dBμV/m) – 84.8

Radiated Emissions, 1-22 GHz
Band 66, Modulation: TM3.1a-256QAM, Bandwidth 5 MHz, Transmit @ Low Channel 2112.5 MHz

Test Information:

Date and Time	11/1/2020 4:01:56 PM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, 256QAM, Low Channel: 2112.5 MHz, 3-18 GHz with filter SA mode

Graph:**Results:****Peak (EIRP)**

Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
5000	57.99	-37.27	-13	-24.27	17.00	3.05	Vertical	1000000.00	-9.72
6336.052632	69.04	-26.22	-13	-13.22	321.00	1.10	Vertical	1000000.00	-6.99

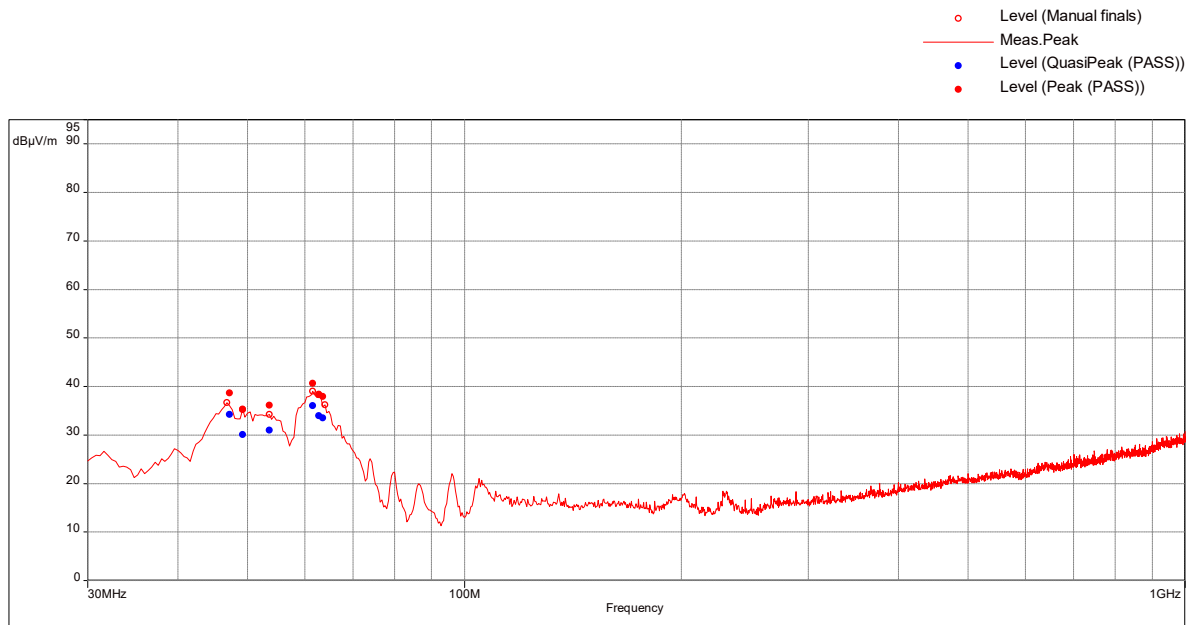
Notes: Manual scan was performed from 1-3 GHz and 18-22 GHz at 0.5 m and 10 cm, respectively, with no emission was detected.

Level EIRP (dBm) = Level Peak (dBμV/m) – 95.26

Radiated Emissions, 30-1000 MHz
Band 66, Modulation: TM3.1a-256QAM, Bandwidth 5 MHz, Transmit @ Mid Channel 2155 MHz

Test Information:

Date and Time	11/1/2020 2:07:53 PM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, 256QAM, Mid Channel: 2155 MHz, 30-1000MHz SA mode

Graph:**Results:****Peak (EIRP)**

Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
47.17894737	38.67	-56.59	-13	-43.59	4.00	1.00	Vertical	120000.00	-23.79
49.2	35.18	-60.08	-13	-47.08	129.00	1.51	Vertical	120000.00	-24.64
53.69473684	36.13	-59.13	-13	-46.13	202.00	1.65	Vertical	120000.00	-25.49
61.75789474	40.66	-54.6	-13	-41.6	247.00	1.81	Vertical	120000.00	-25.15
62.95789474	38.35	-56.91	-13	-43.91	77.00	2.11	Vertical	120000.00	-25.01
63.4	37.95	-57.31	-13	-44.31	239.00	1.52	Vertical	120000.00	-25.00

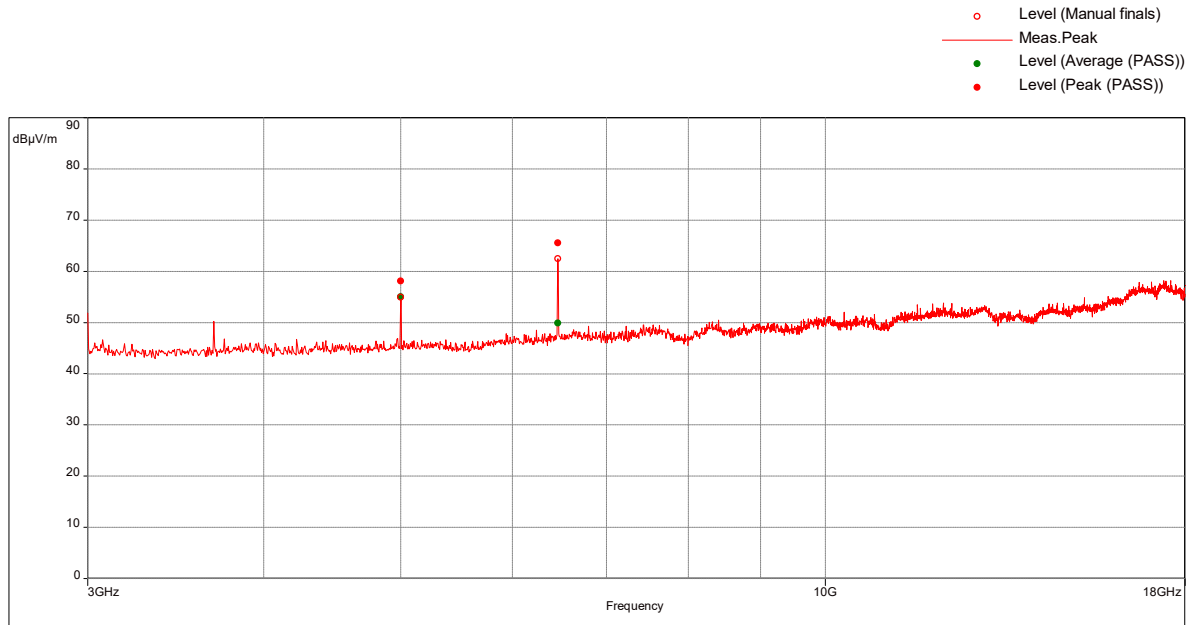
Level EIRP (dBm) = Level Peak (dBμV/m) – 84.8

Radiated Emissions, 1-22 GHz
Band 66, Modulation: TM3.1a-256QAM, Bandwidth 5 MHz, Transmit @ Mid Channel 2155 MHz

Test Information:

Date and Time	11/1/2020 3:47:24 PM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, 256QAM, Mid Channel: 2155MHz, 3-18 GHz with filter SA mode

Graph:



Results:

Peak (EIRP)

Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
5000	58.12	-37.14	-13	-24.14	17.00	2.15	Vertical	1000000.00	-9.72
6463.684211	65.55	-29.71	-13	-16.71	321.00	1.05	Vertical	1000000.00	-6.83

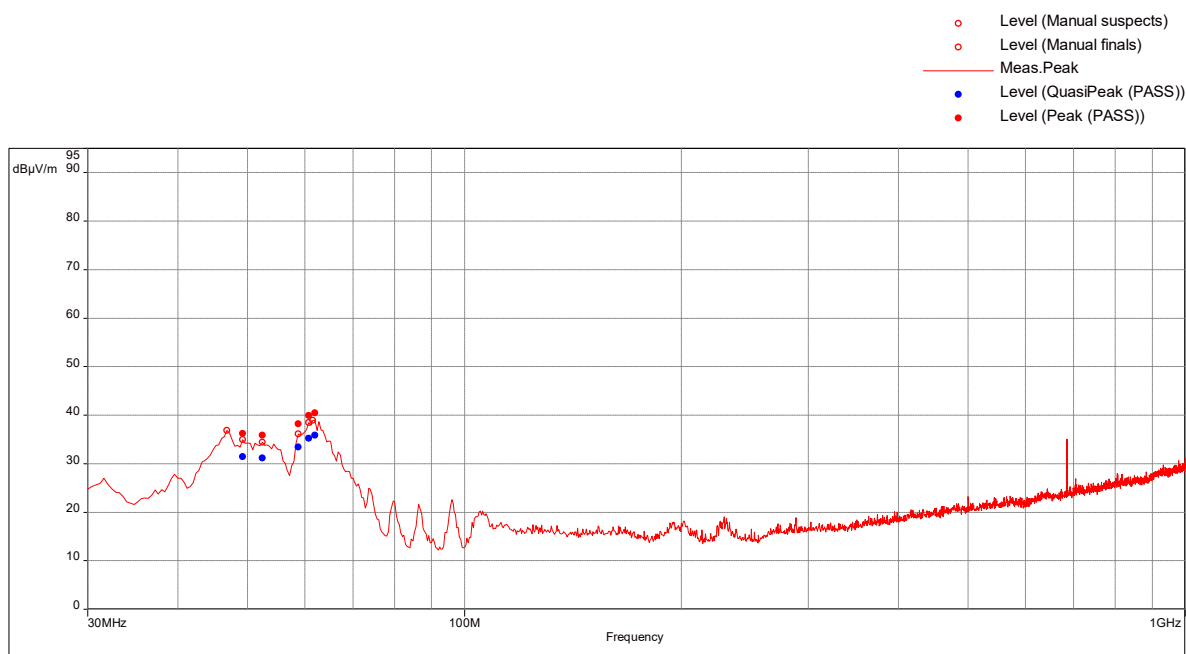
Notes: Manual scan was performed from 1-3 GHz and 18-22 GHz at 0.5 m and 10 cm, respectively, with no emission was detected.

Level EIRP (dBm) = Level Peak (dBμV/m) – 95.26

Radiated Emissions, 30-1000 MHz
Band 66, Modulation: TM3.1a-256QAM, Bandwidth 5 MHz, Transmit @ High Channel 2197.5 MHz

Test Information:

Date and Time	11/1/2020 2:35:35 PM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, 256QAM, High Channel: 2197.5 MHz, 30-1000MHz SA mode

Graph:**Results:****Peak (EIRP)**

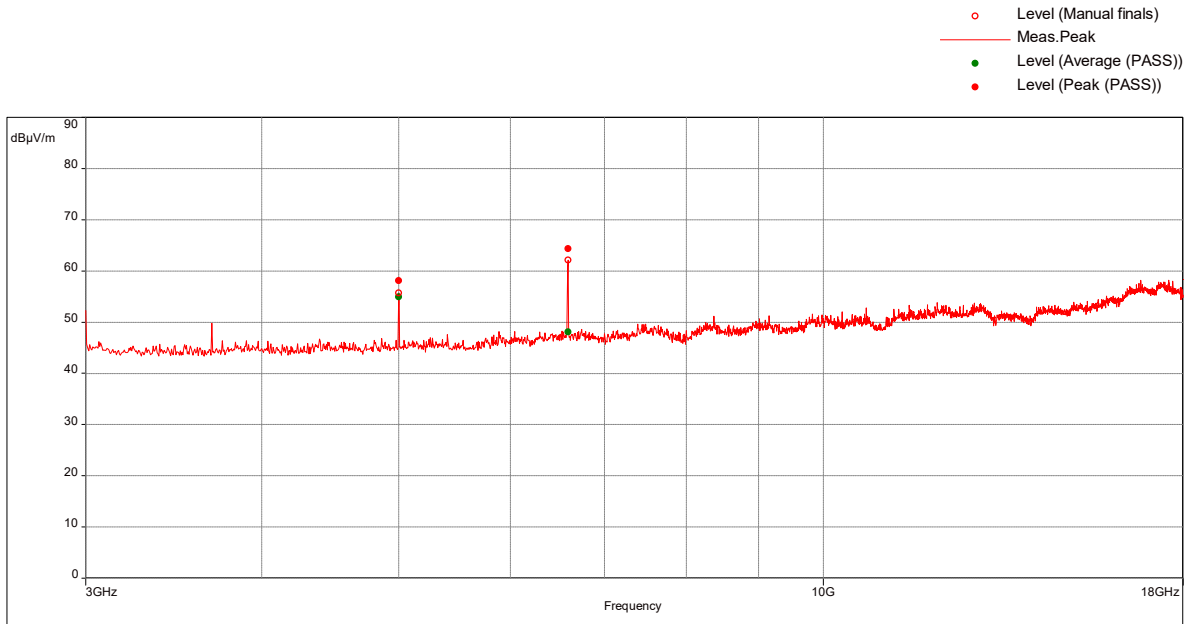
Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
49.23157895	36.19	-59.07	-13	-46.07	349.00	1.96	Vertical	120000.00	-24.65
52.43157895	35.84	-59.42	-13	-46.42	240.00	1.67	Vertical	120000.00	-25.33
58.98947368	38.19	-57.07	-13	-44.07	233.00	1.87	Vertical	120000.00	-25.46
60.92631579	39.92	-55.34	-13	-42.34	277.00	2.26	Vertical	120000.00	-25.24
61.97894737	40.5	-54.76	-13	-41.76	262.00	1.60	Vertical	120000.00	-25.12

Level EIRP (dBm) = Level Peak (dBμV/m) – 84.8

Radiated Emissions, 1-22 GHz
Band 66, Modulation: TM3.1a-256QAM, Bandwidth 5 MHz, Transmit @ High Channel 2197.5 MHz

Test Information:

Date and Time	11/1/2020 3:33:14 PM
Client and Project Number	Commscope
Engineer	Kouma Sinn
Temperature	24C
Humidity	24%
Atmospheric Pressure	1013mbar
Comments	Band 66: 5 MHz, 256QAM, High Channel: 2197.5 MHz, 3-18 GHz with filter SA mode

Graph:**Results:****Peak (EIRP)**

Frequency (MHz)	Level Peak (dBμV/m)	Level EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Azimuth (°) (dB)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
5000	58.12	-37.14	-13	-24.14	18.00	2.15	Vertical	1000000.00	-9.72
6594.473684	64.36	-30.9	-13	-17.9	319.00	1.00	Vertical	1000000.00	-6.63

Notes: Manual scan was performed from 1-3 GHz and 18-22 GHz at 0.5 m and 10 cm, respectively, with no emission was detected.

Level EIRP (dBm) = Level Peak (dBμV/m) – 95.26

Test Personnel: Kouma Sinn *KS*
Supervising/Reviewing
Engineer:
(Where Applicable) N/A

Test Date: 11/01/2020

Product Standard: FCC Part 27
Input Voltage: 48 VDC (POE)

Limit Applied: See report section 8.3

Pretest Verification w/
Ambient Signals or
BB Source: N/A

Ambient Temperature: 24 °C

Relative Humidity: 24 %

Atmospheric Pressure: 1013 mbars

Deviations, Additions, or Exclusions: None

10 Revision History

Revision Level	Date	Report Number	Prepared By	Reviewed By	Notes
0	01/11/2021	104194737BOX-001	KPS <i>KPS</i>	NNA <i>NNA</i>	Original Issue