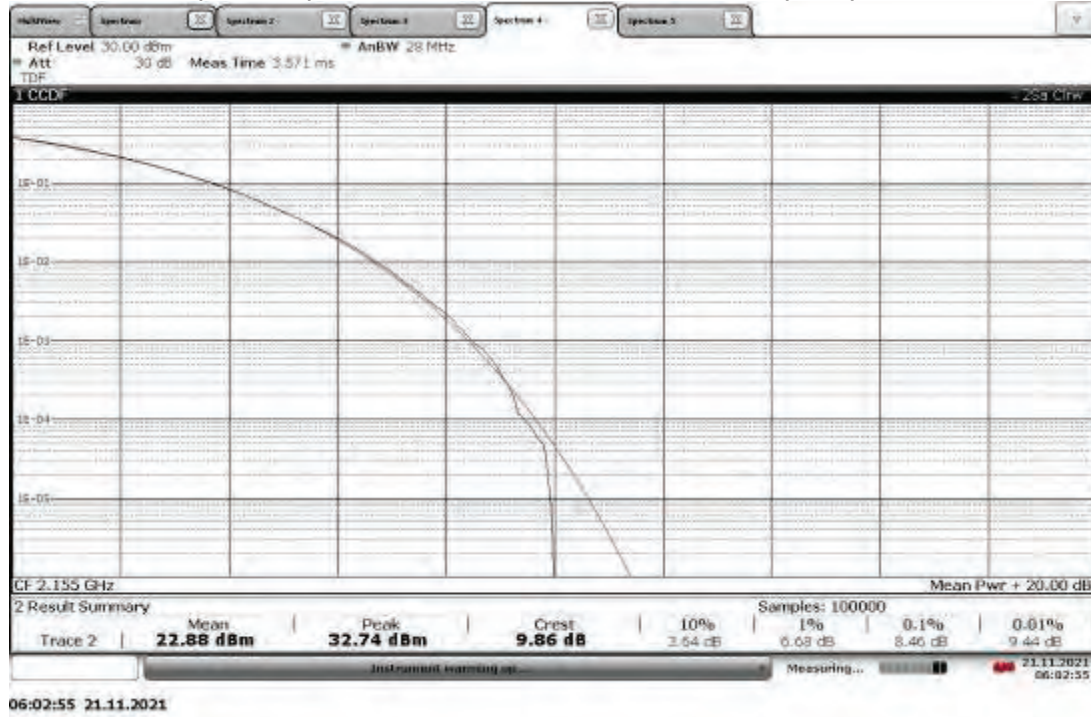
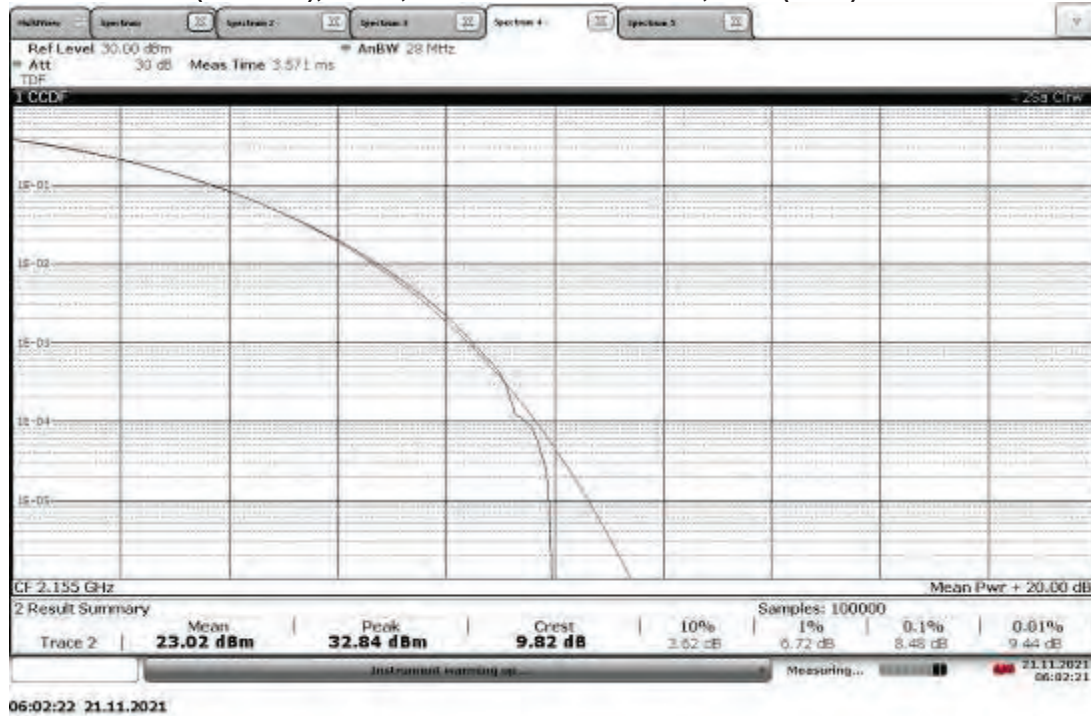


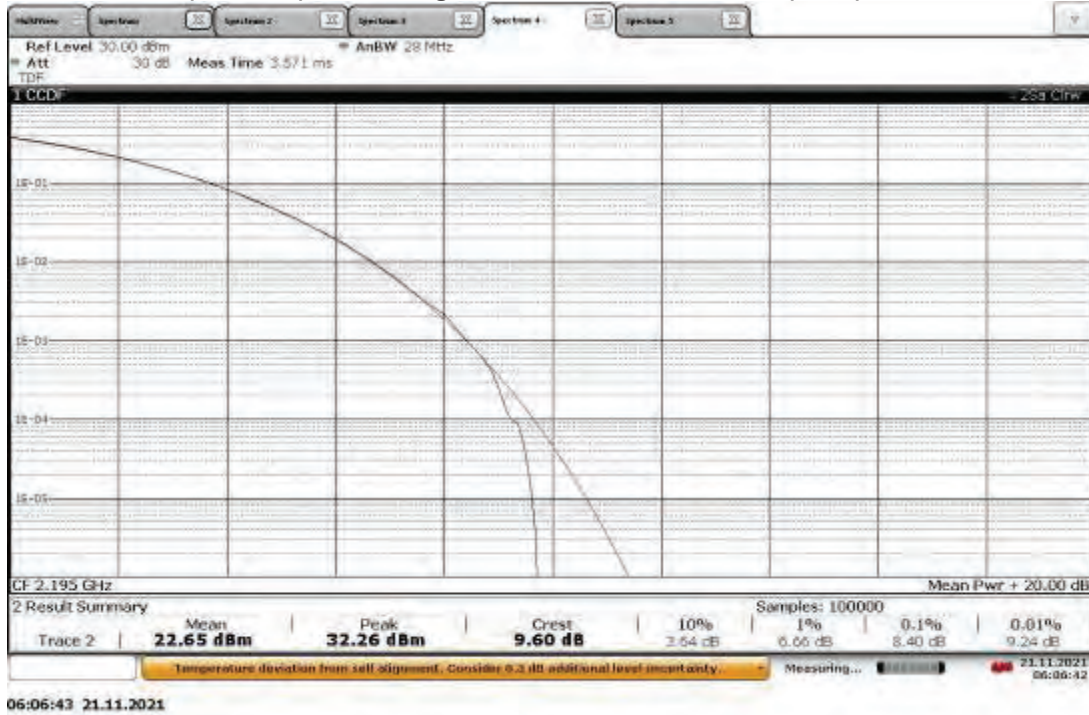
TM3.1-64QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel 2155 MHz, PAR (0.1%) = 8.46 dB



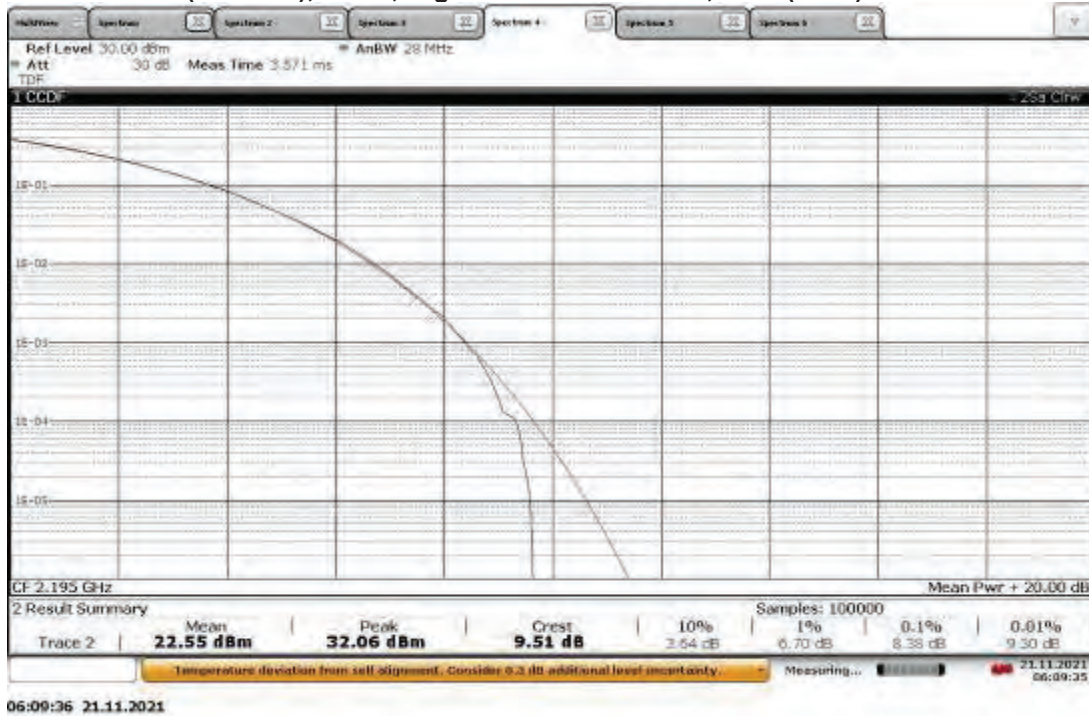
TM3.1-64QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel 2155 MHz, PAR (0.1%) = 8.48 dB



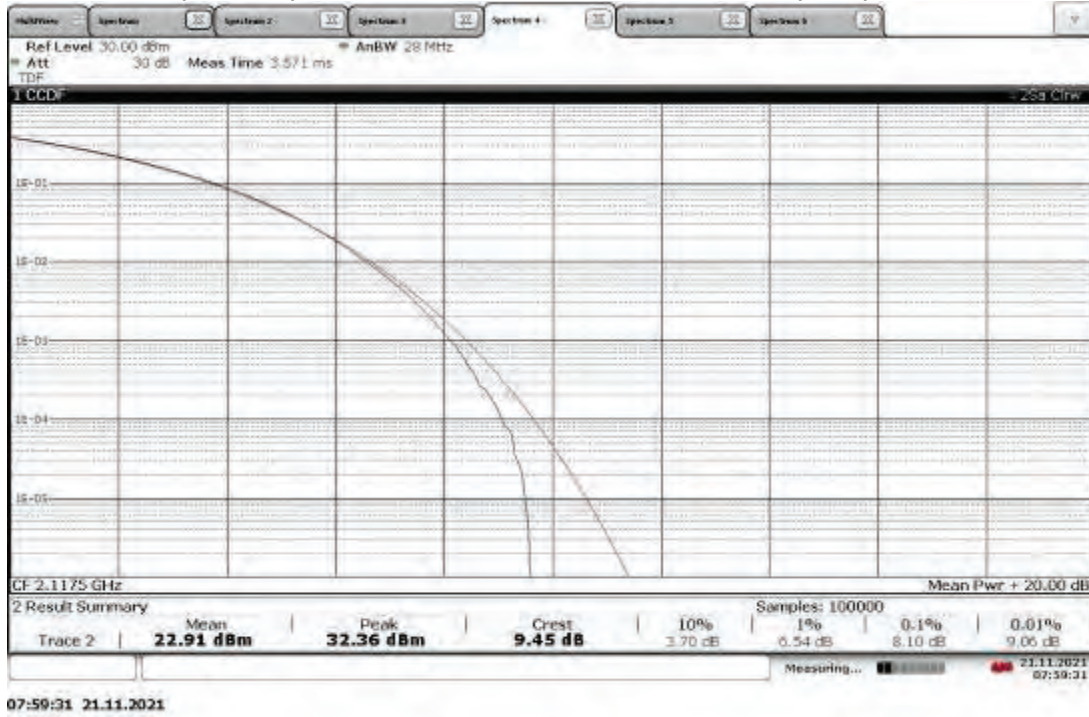
TM3.1-64QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel 2195 MHz, PAR (0.1%) = 8.40 dB



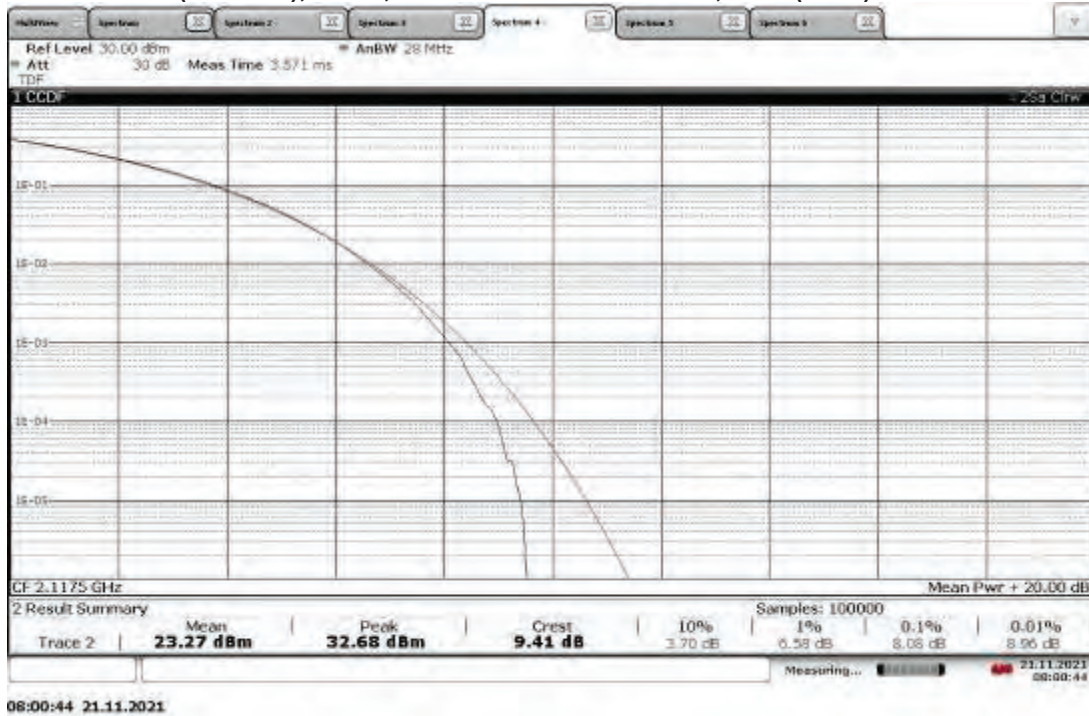
TM3.1-64QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel 2195 MHz, PAR (0.1%) = 8.38 dB



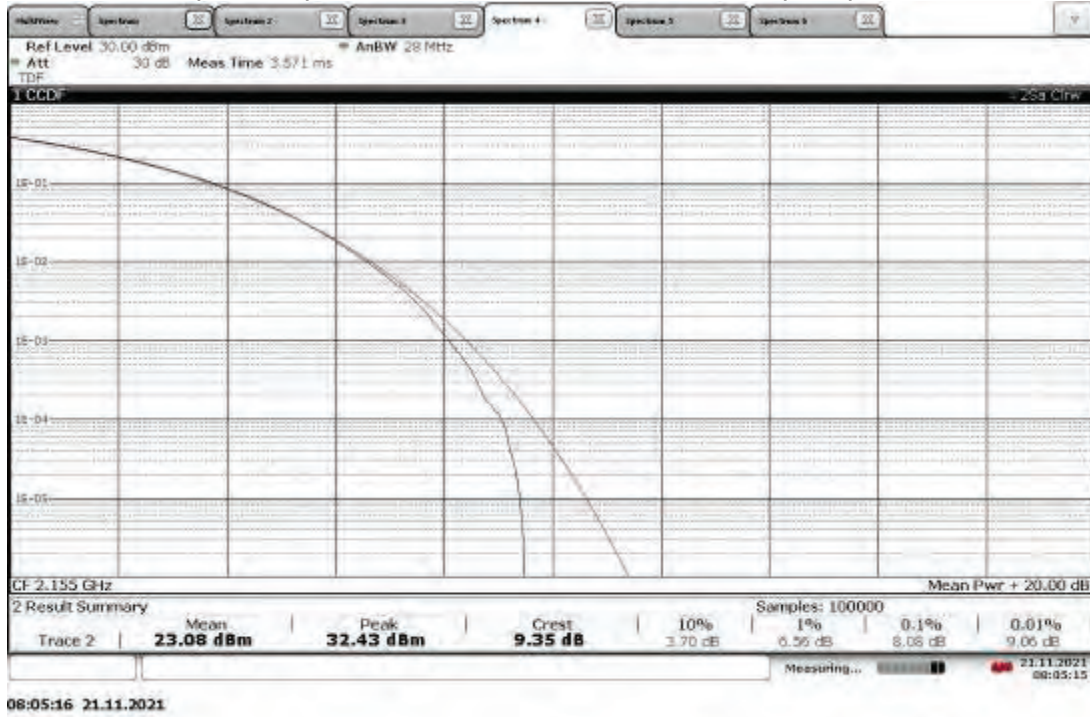
TM3.1-64QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel 2117.5 MHz, PAR (0.1%) = 8.10 dB



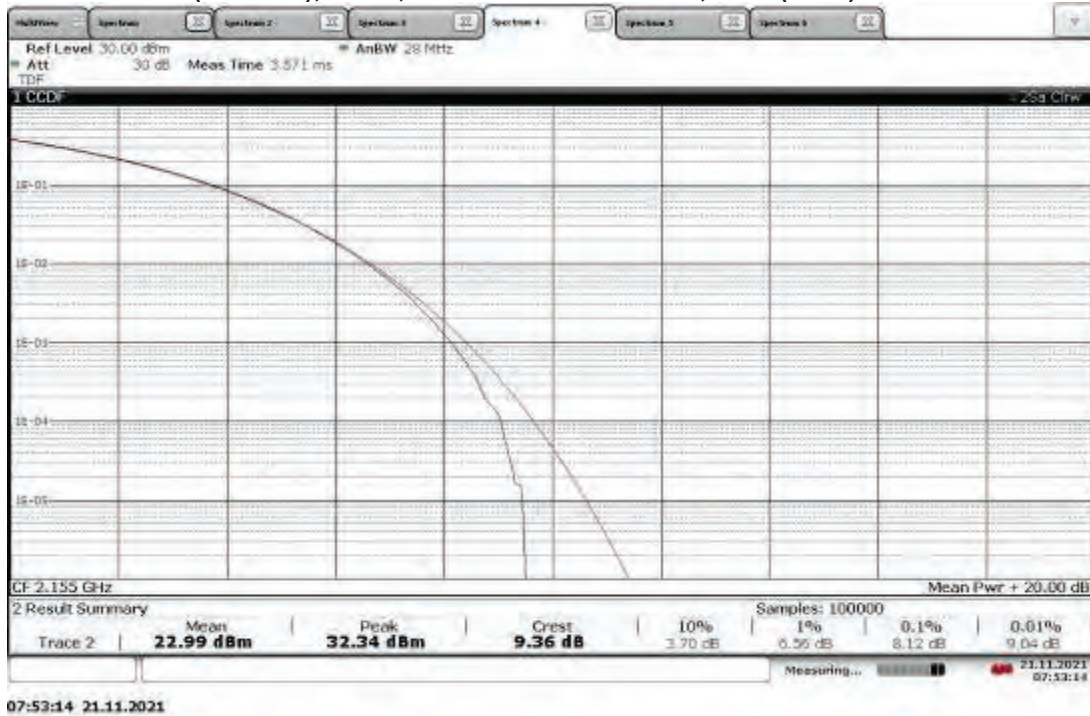
TM3.1-64QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel 2117.5 MHz, PAR (0.1%) = 8.08 dB



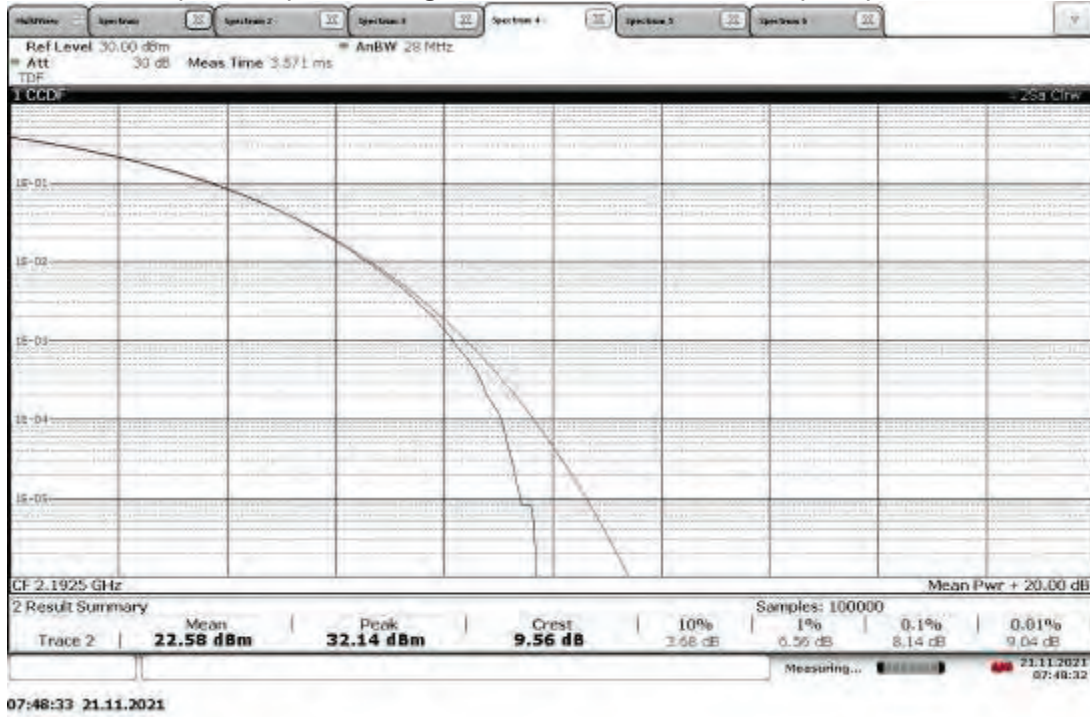
TM3.1-64QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel 2155 MHz, PAR (0.1%) = 8.08 dB



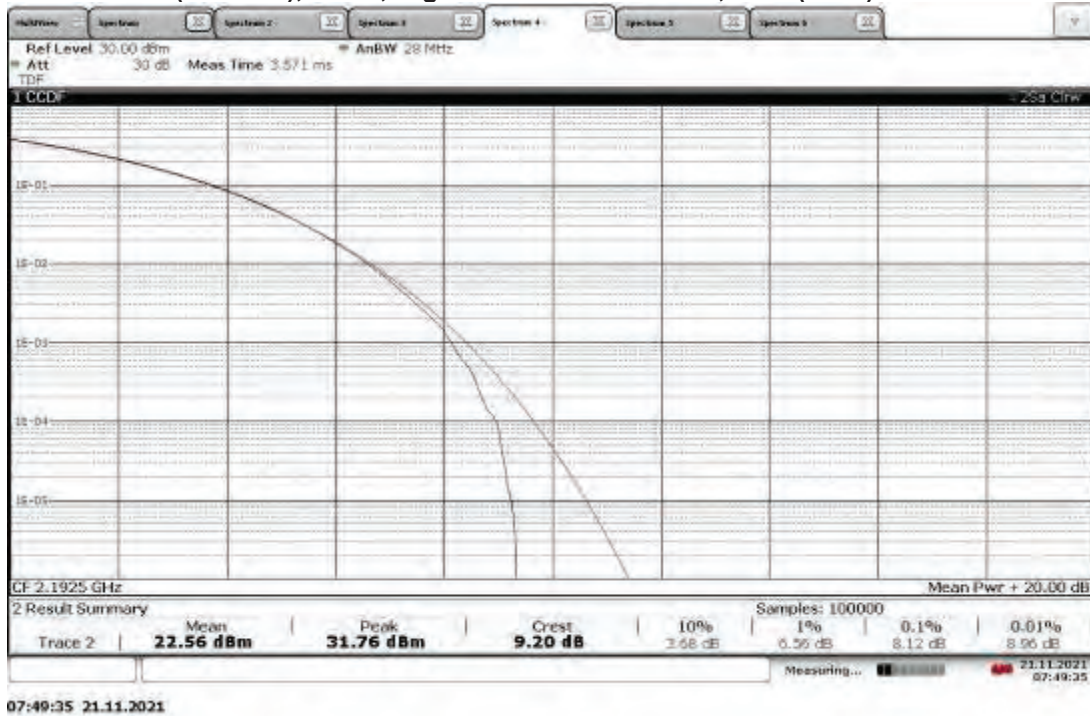
TM3.1-64QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel 2155 MHz, PAR (0.1%) = 8.12 dB



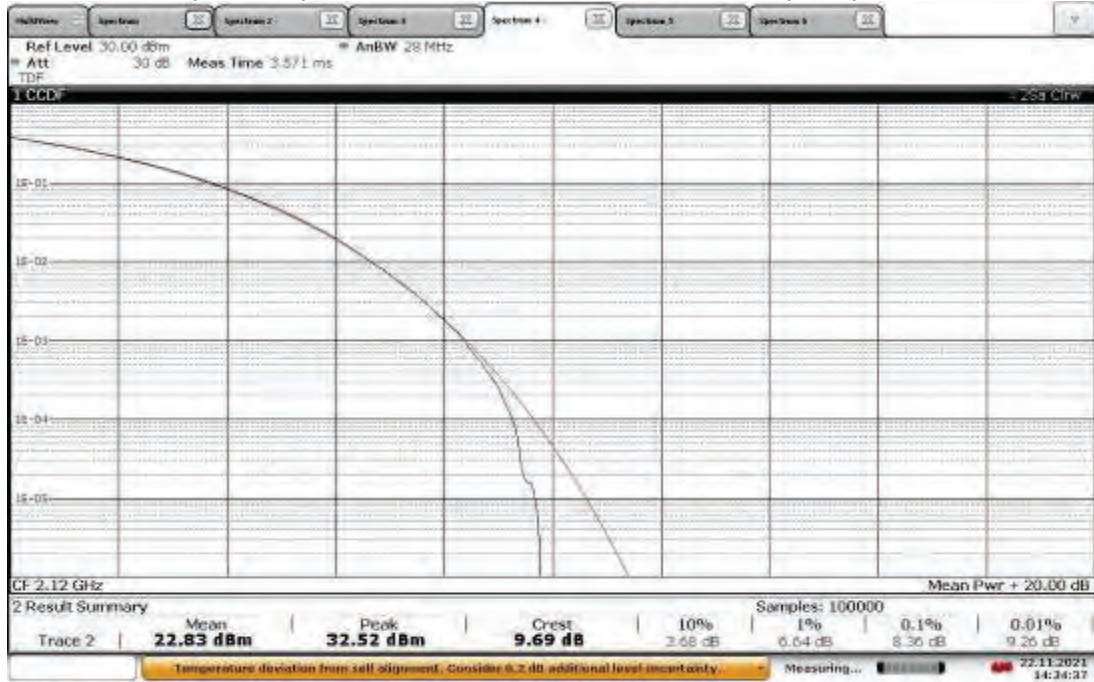
TM3.1-64QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel 2192.5 MHz, PAR (0.1%) = 8.14 dB



TM3.1-64QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel 2192.5 MHz, PAR (0.1%) = 8.12 dB

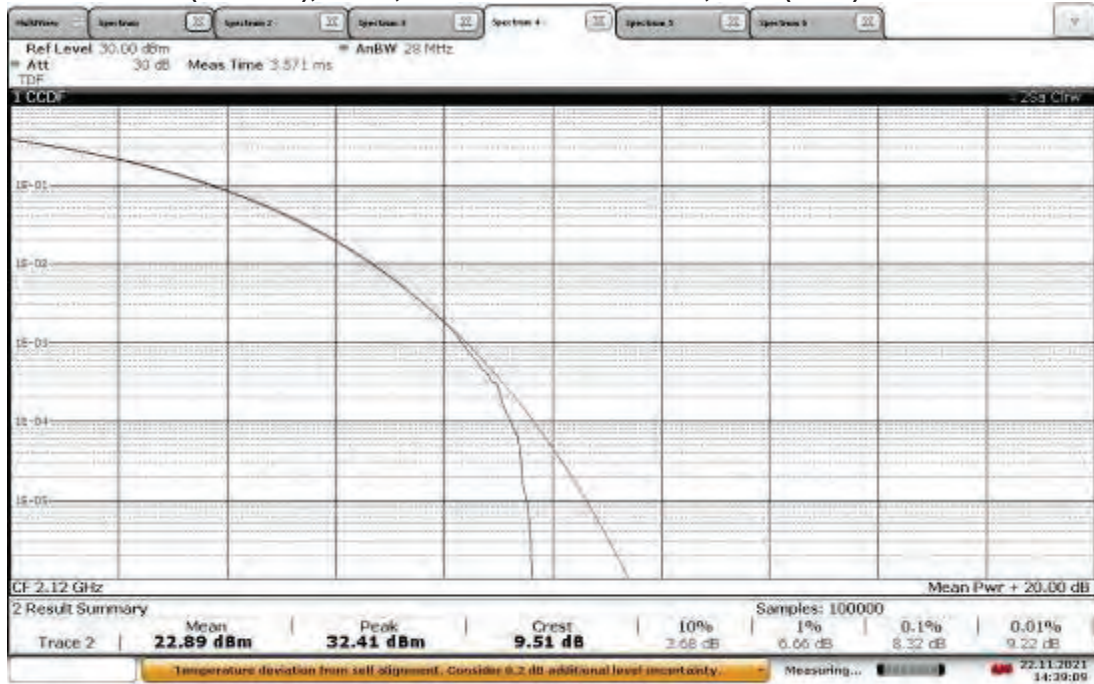


TM3.1-64QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel 2120 MHz, PAR (0.1%) = 8.36 dB



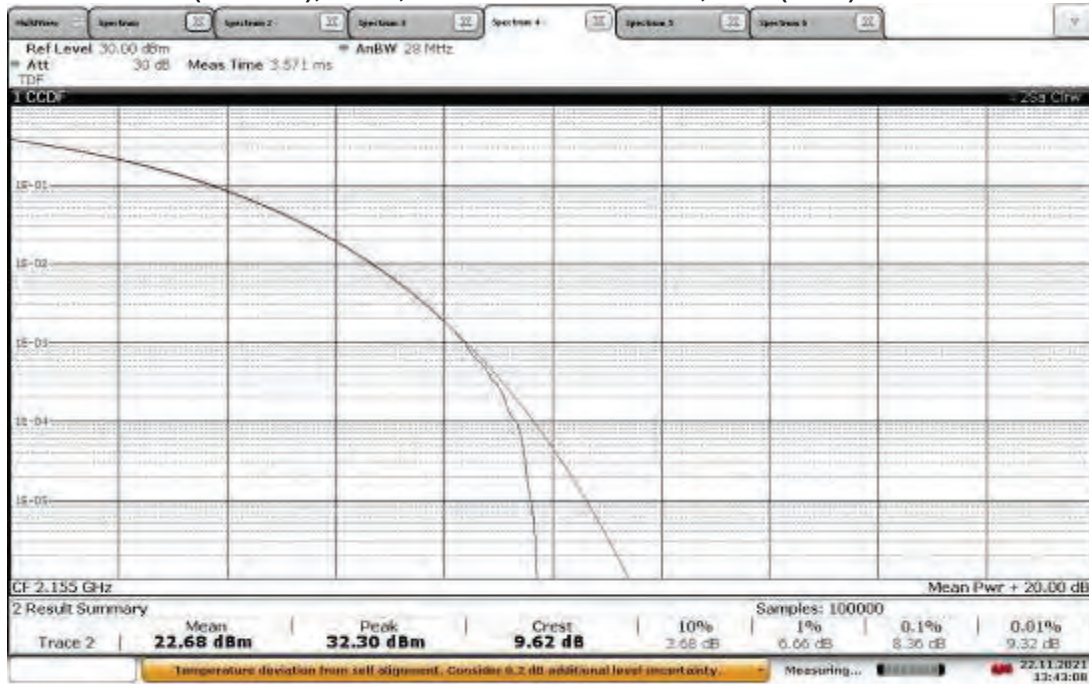
14:34:37 22.11.2021

TM3.1-64QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel 2120 MHz, PAR (0.1%) = 8.32 dB



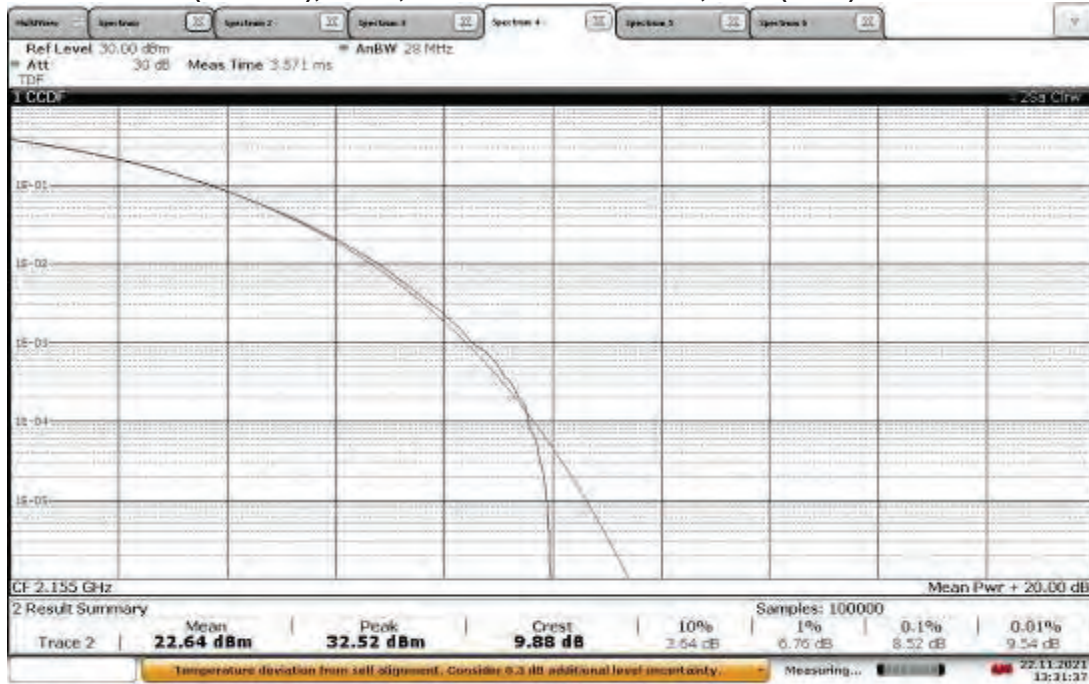
14:39:10 22.11.2021

TM3.1-64QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel 2155 MHz, PAR (0.1%) = 8.36 dB



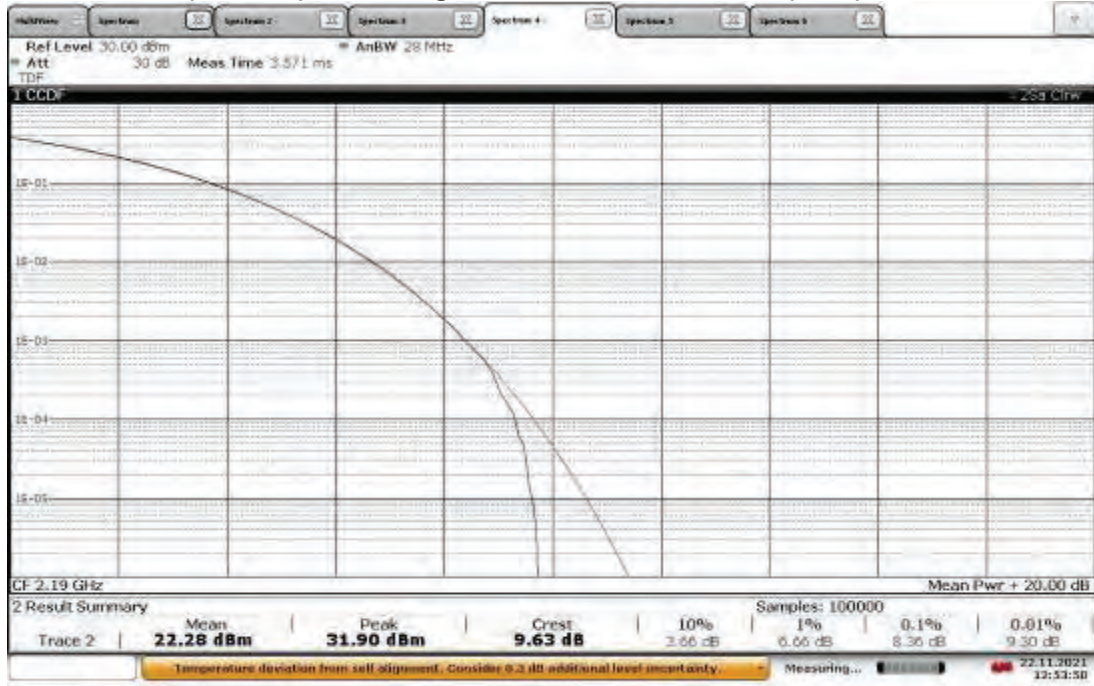
13:43:06 22.11.2021

TM3.1-64QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel 2155 MHz, PAR (0.1%) = 8.52 dB



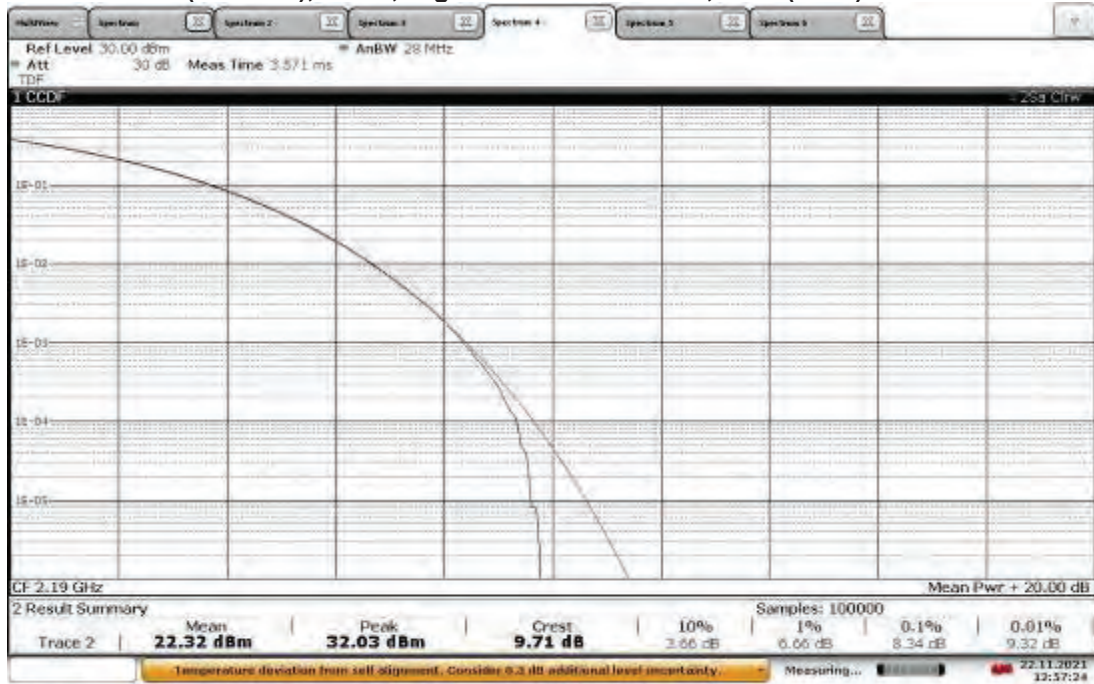
13:41:36 22.11.2021

TM3.1-64QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel 2190 MHz, PAR (0.1%) = 8.36 dB



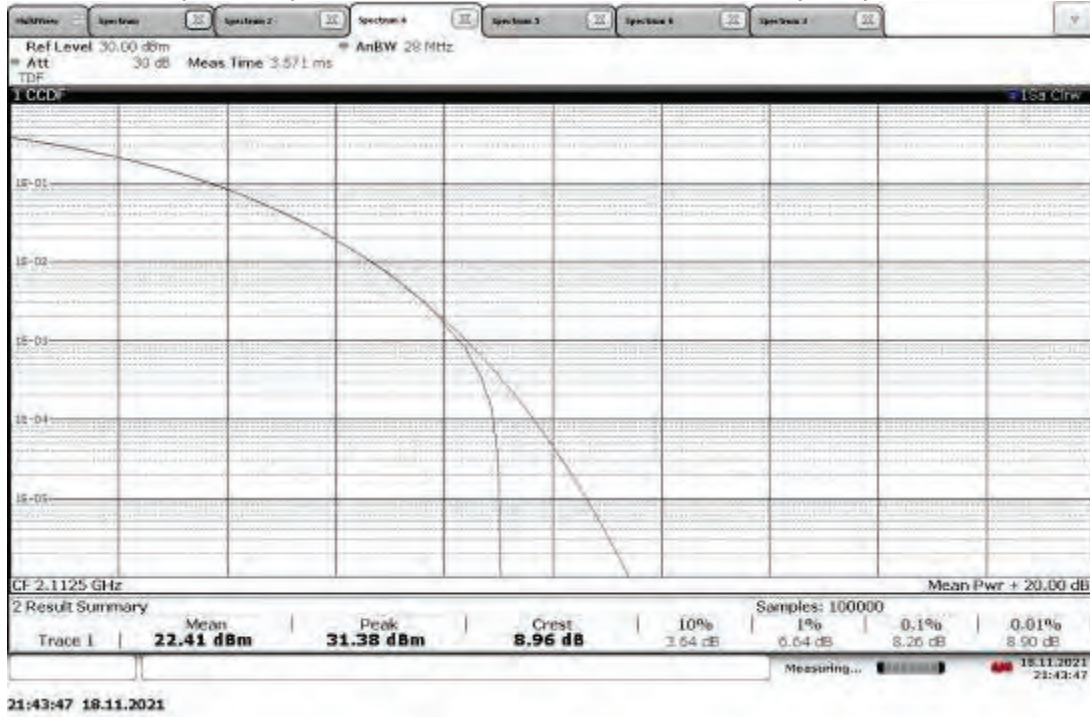
12:53:50 22.11.2021

TM3.1-64QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel 2190 MHz, PAR (0.1%) = 8.34 dB

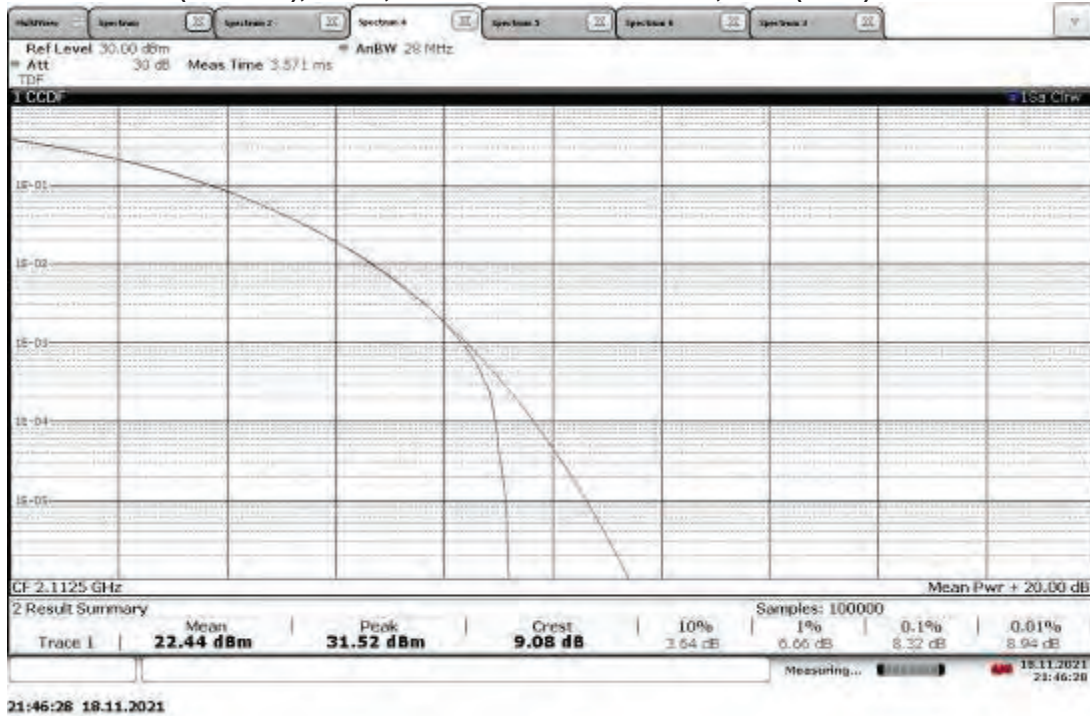


12:57:25 22.11.2021

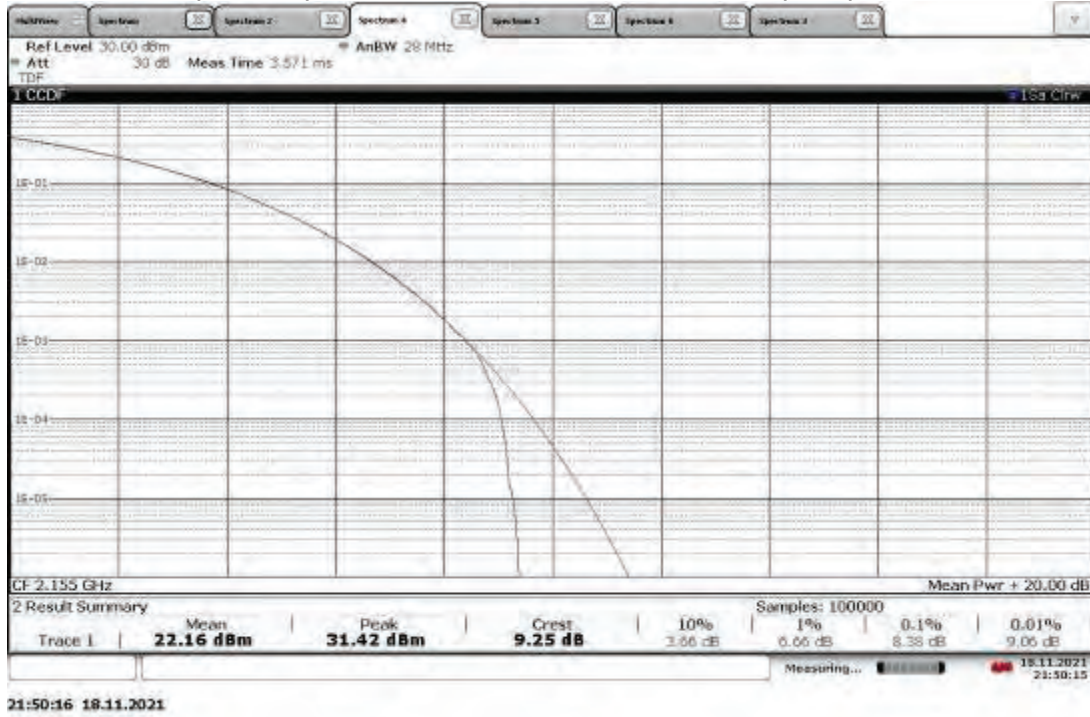
TM3.1a-256QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel 2112.5 MHz, PAR (0.1%) = 8.26 dB



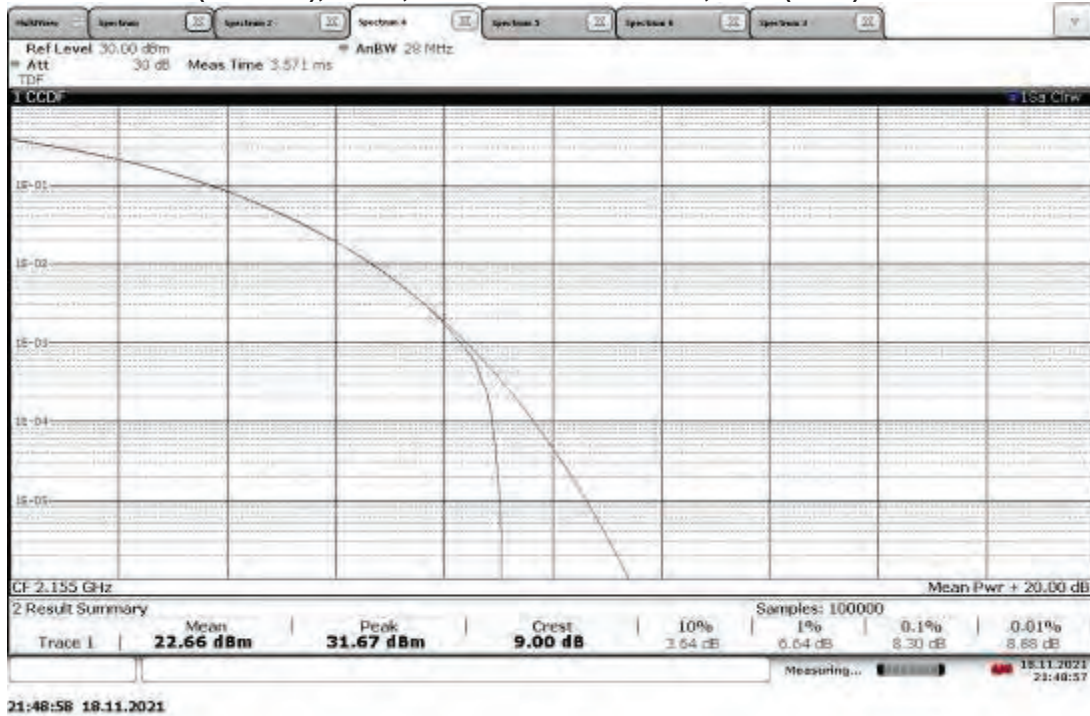
TM3.1a-256QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel 2112.5 MHz, PAR (0.1%) = 8.32 dB



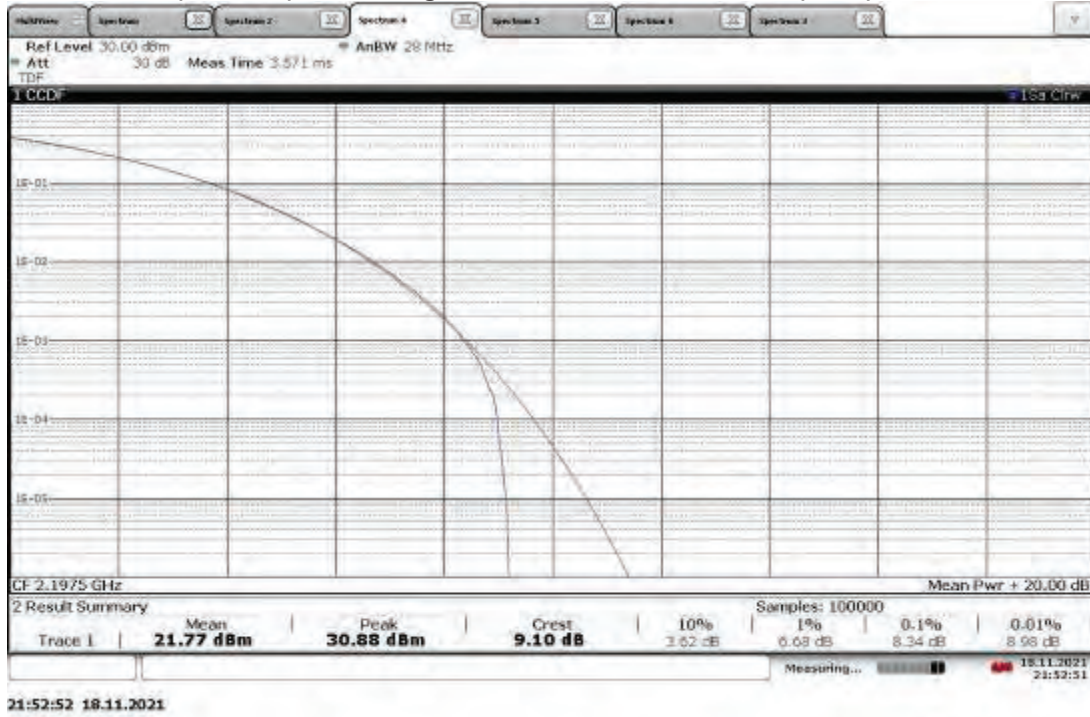
TM3.1a-256QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel 2155 MHz, PAR (0.1%) = 8.38 dB



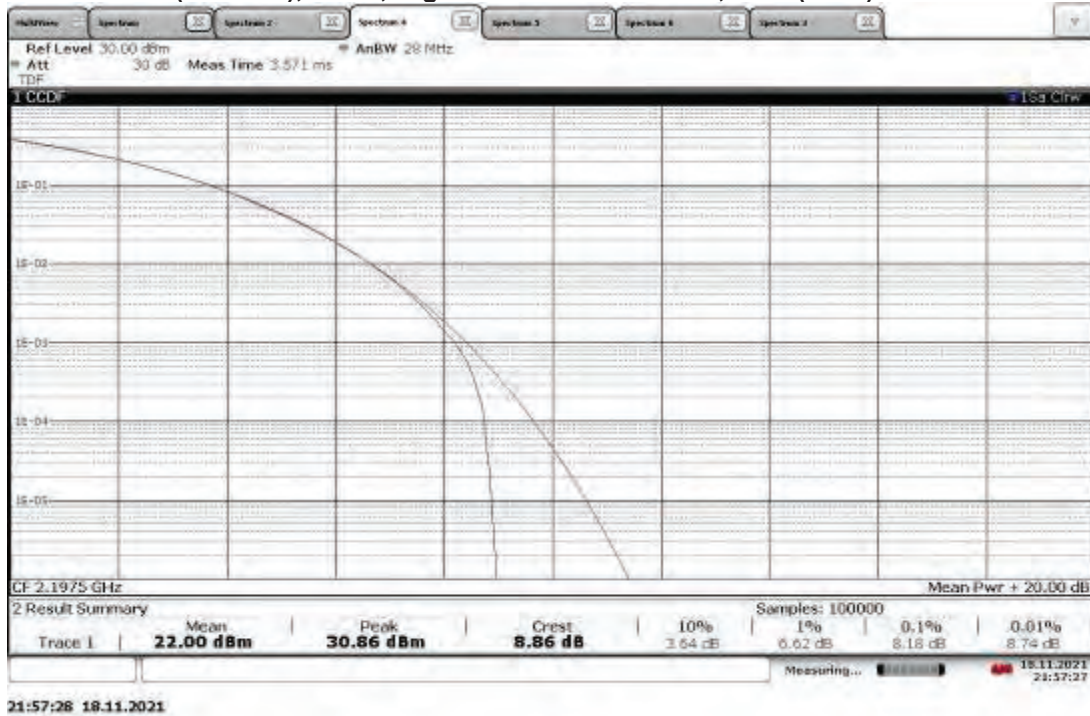
TM3.1a-256QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel 2155 MHz, PAR (0.1%) = 8.30dB



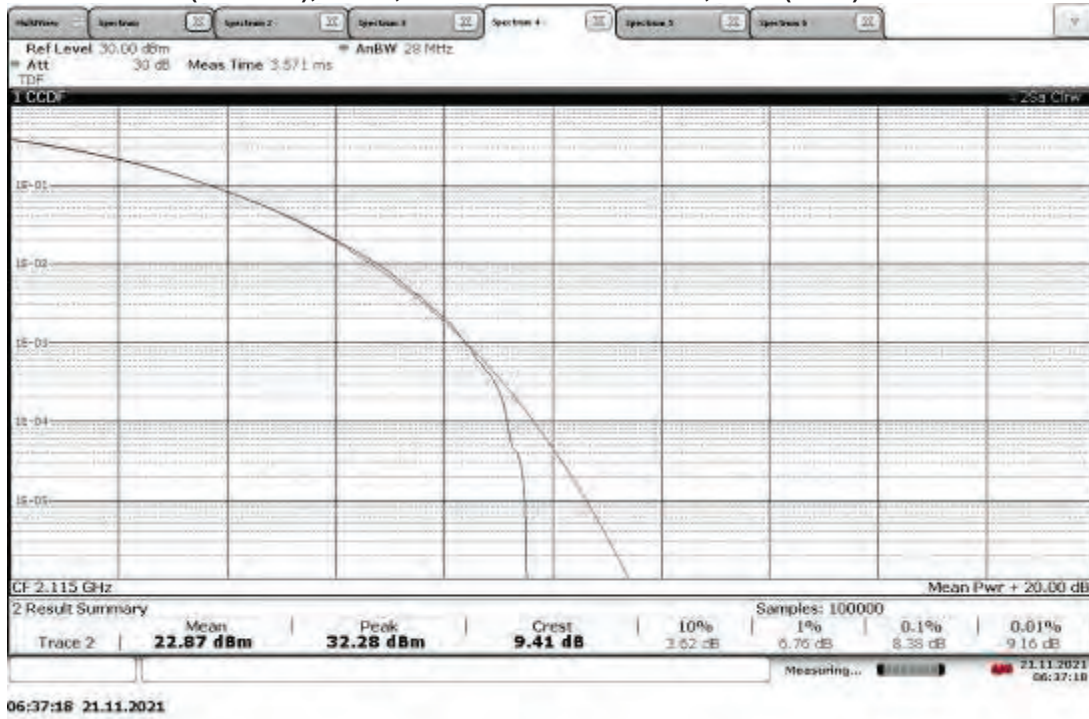
TM3.1a-256QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel 2197.5 MHz, PAR (0.1%) = 8.34 dB



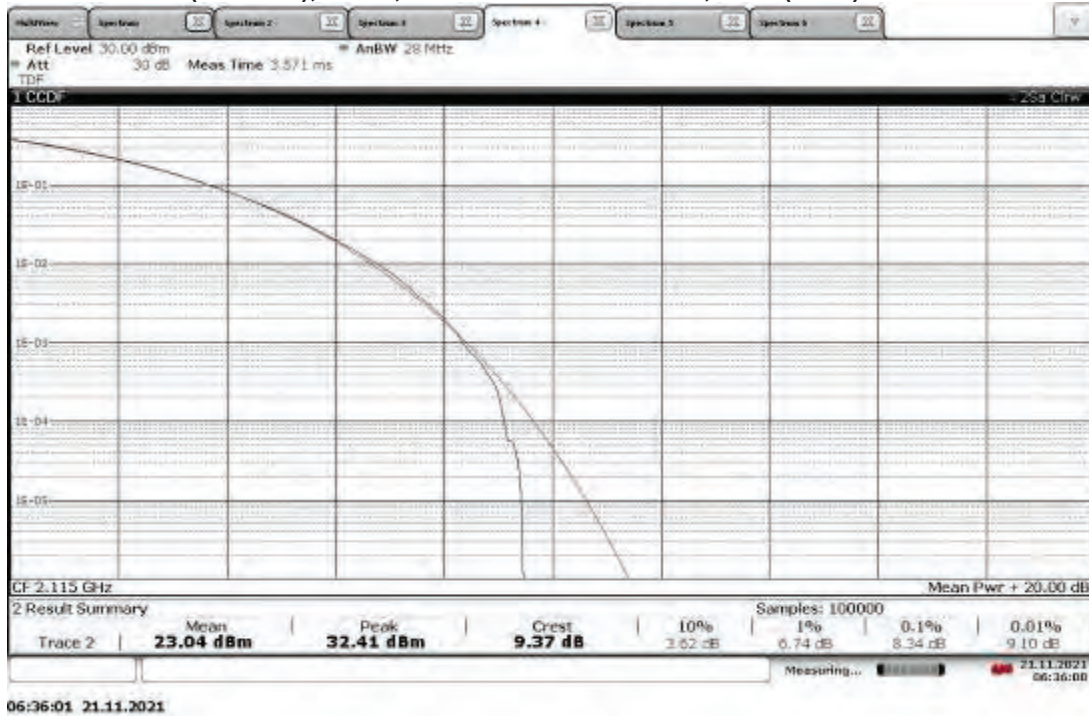
TM3.1a-256QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel 2197.5 MHz, PAR (0.1%) = 8.18 dB



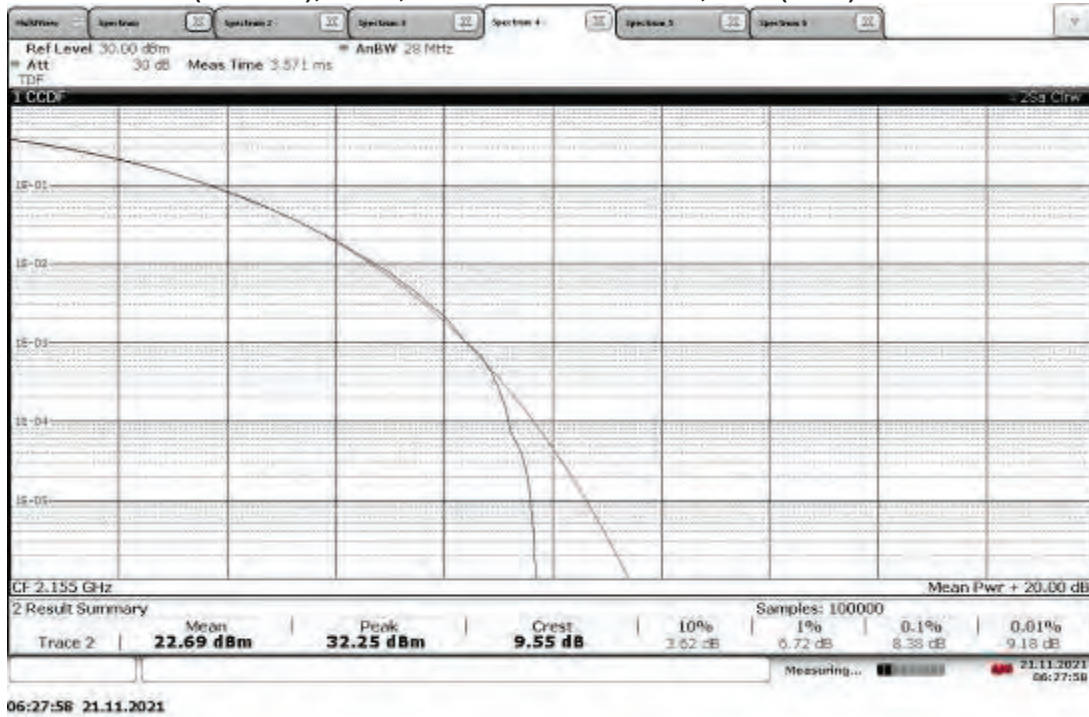
TM3.1a-256QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel 2115 MHz, PAR (0.1%) = 8.38 dB



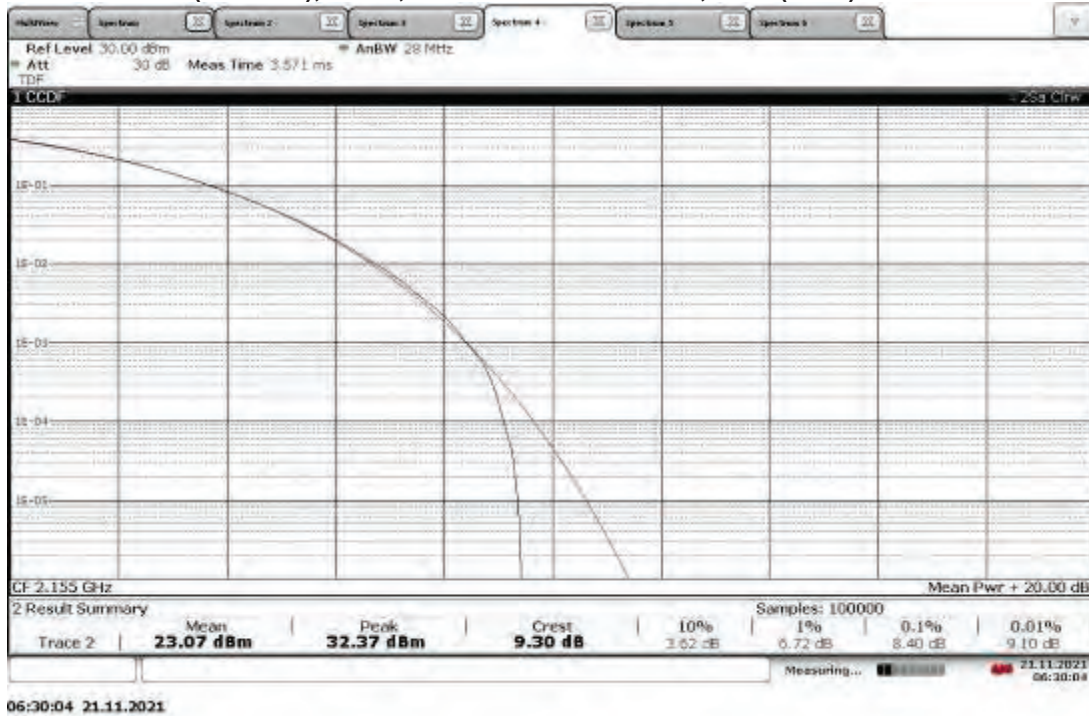
TM3.1a-256QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel 2115 MHz, PAR (0.1%) = 8.34 dB



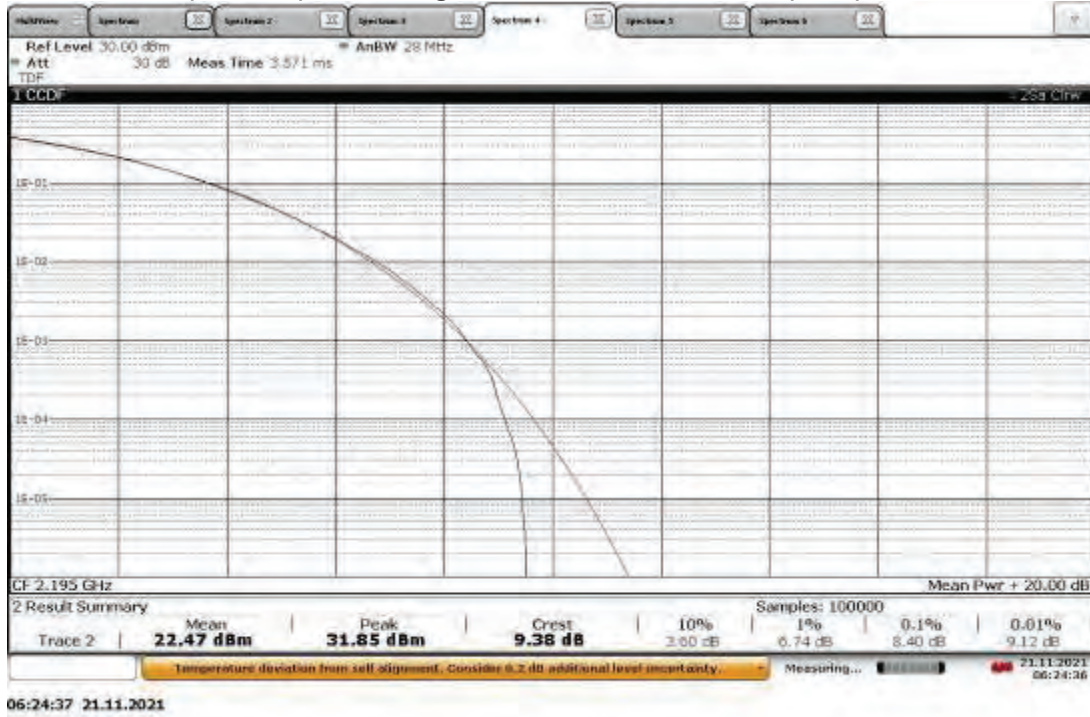
TM3.1a-256QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel 2155 MHz, PAR (0.1%) = 8.38 dB



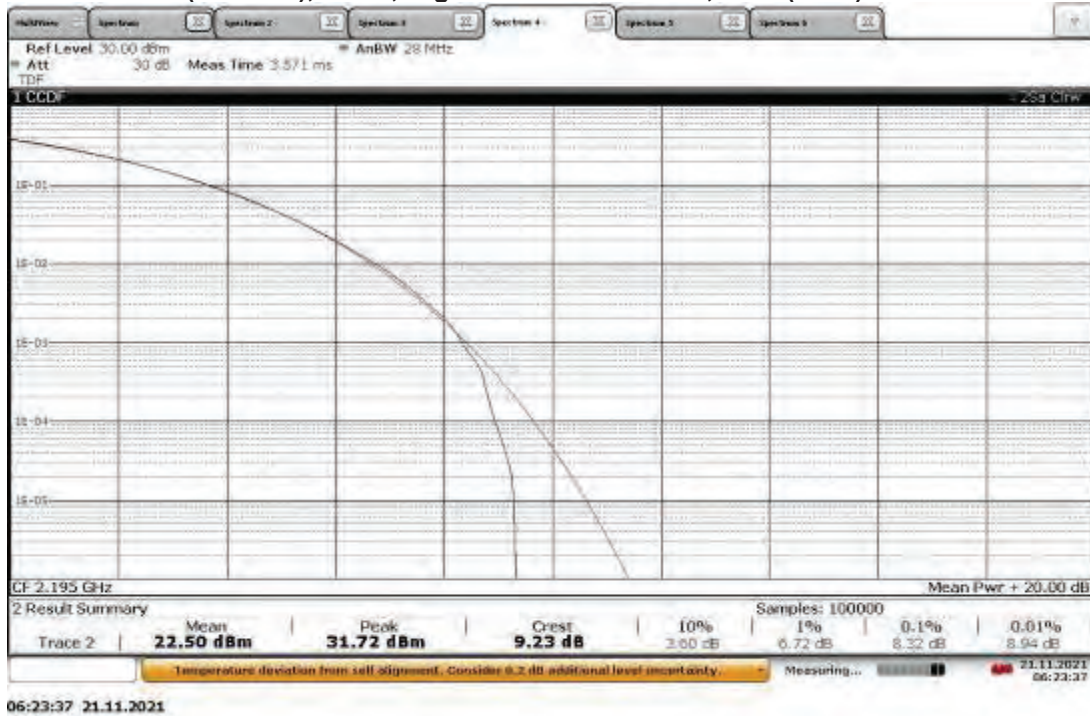
TM3.1a-256QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel 2155 MHz, PAR (0.1%) = 8.40 dB



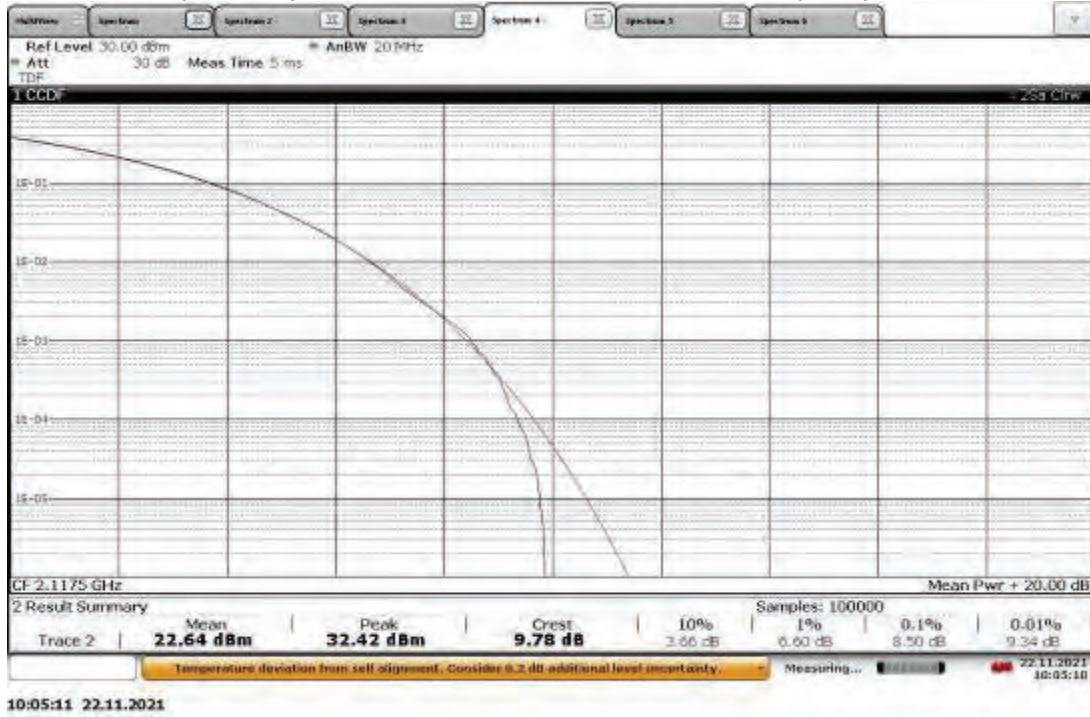
TM3.1a-256QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel 2195 MHz, PAR (0.1%) = 8.40 dB



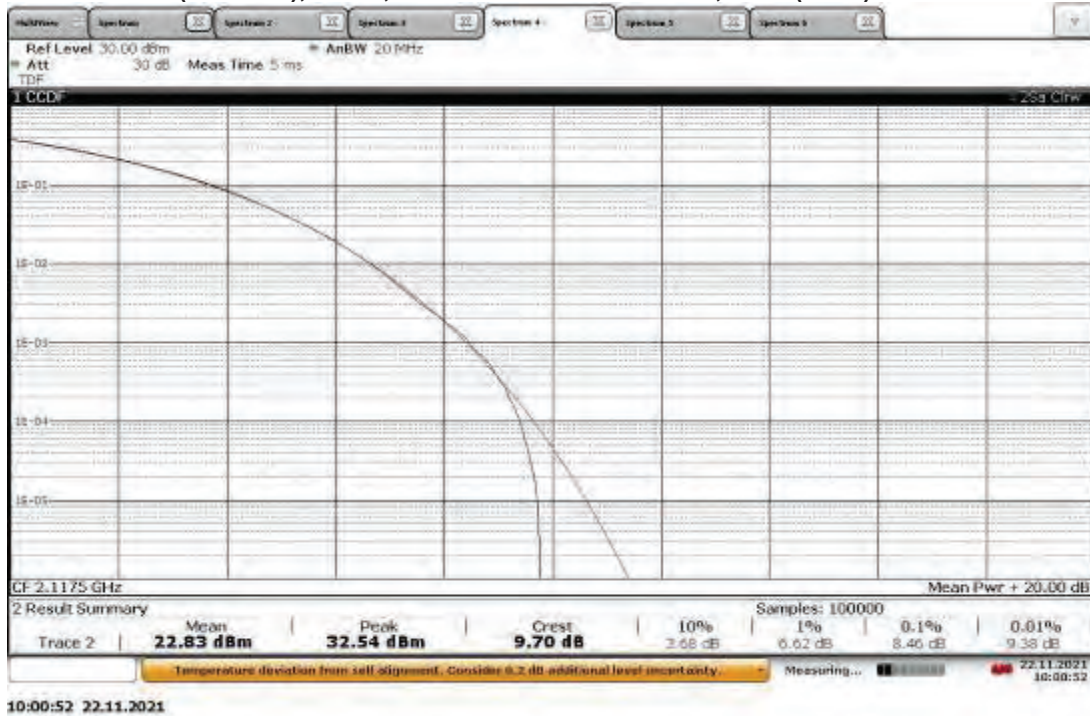
TM3.1a-256QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel 2195 MHz, PAR (0.1%) = 8.32 dB



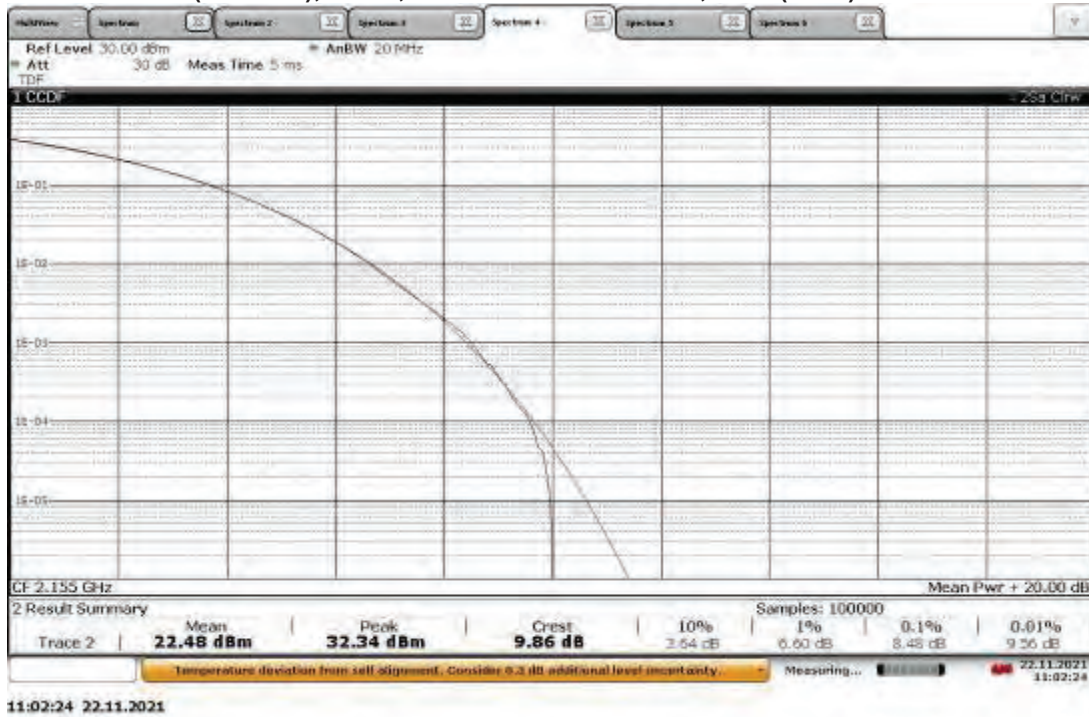
TM3.1a-256QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel 2117.5 MHz, PAR (0.1%) = 8.30 dB



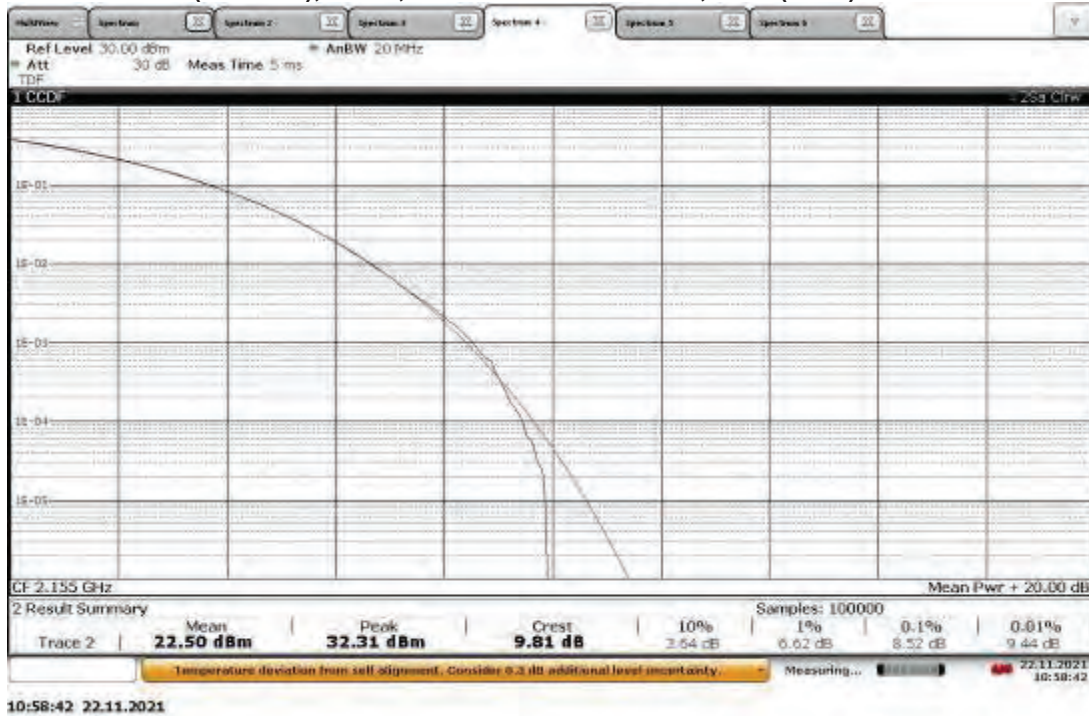
TM3.1a-256QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel 2117.5 MHz, PAR (0.1%) = 8.46 dB



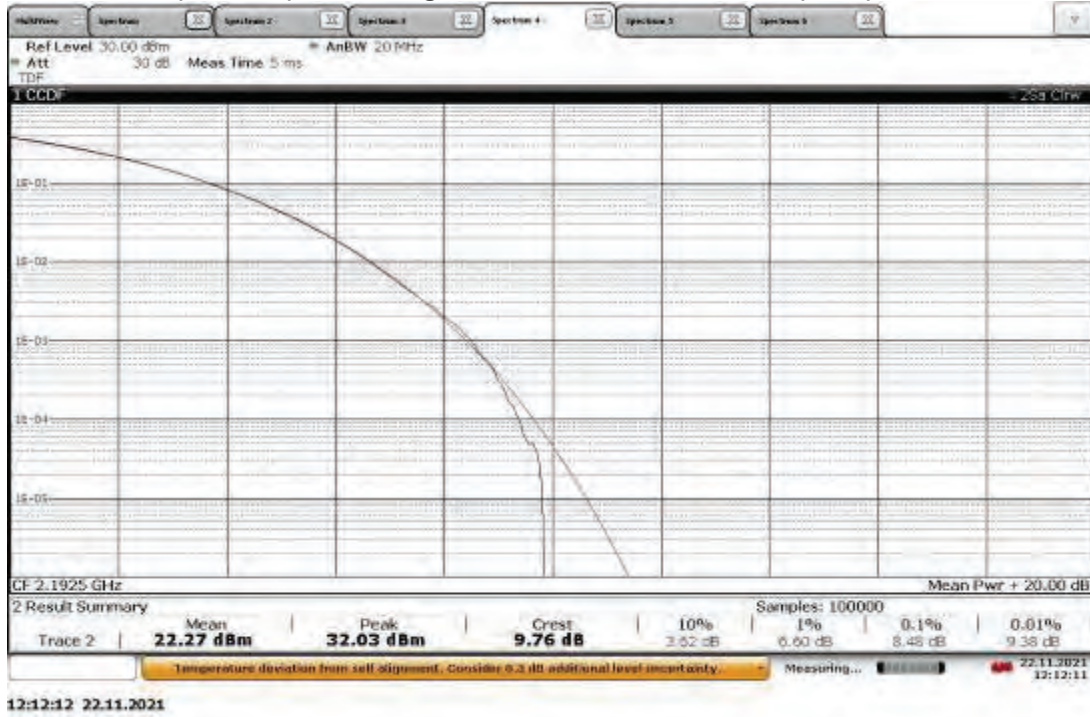
TM3.1a-256QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel 2155 MHz, PAR (0.1%) = 8.48 dB



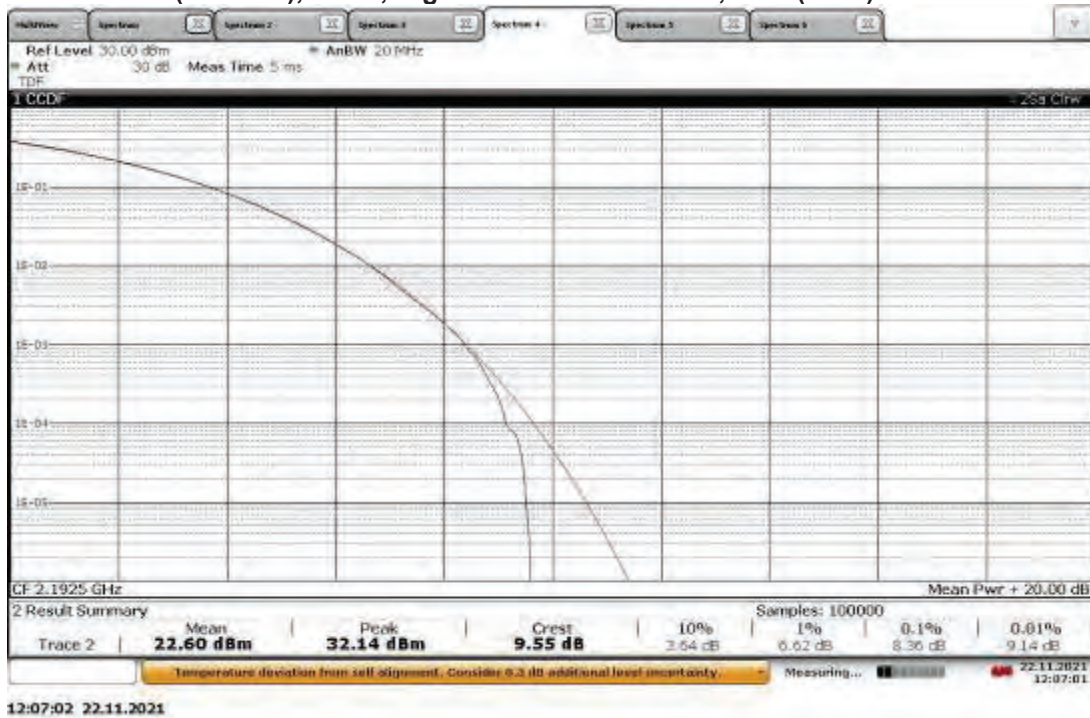
TM3.1a-256QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel 2155 MHz, PAR (0.1%) = 8.52 dB



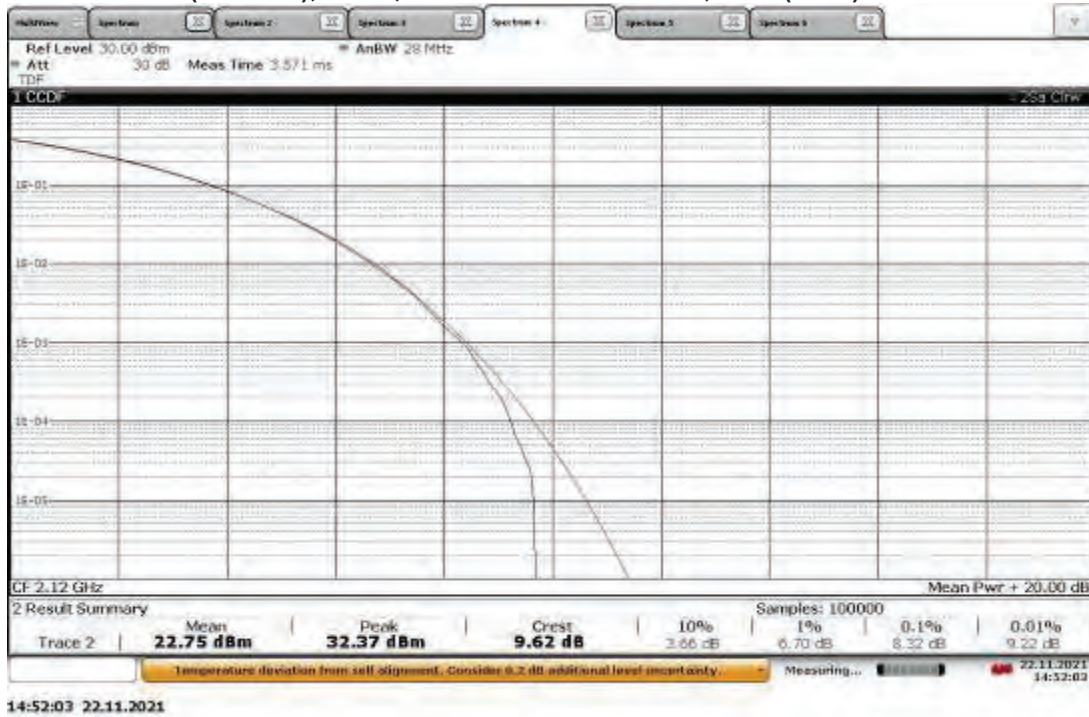
TM3.1a-256QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel 2192.5 MHz, PAR (0.1%) = 8.48 dB



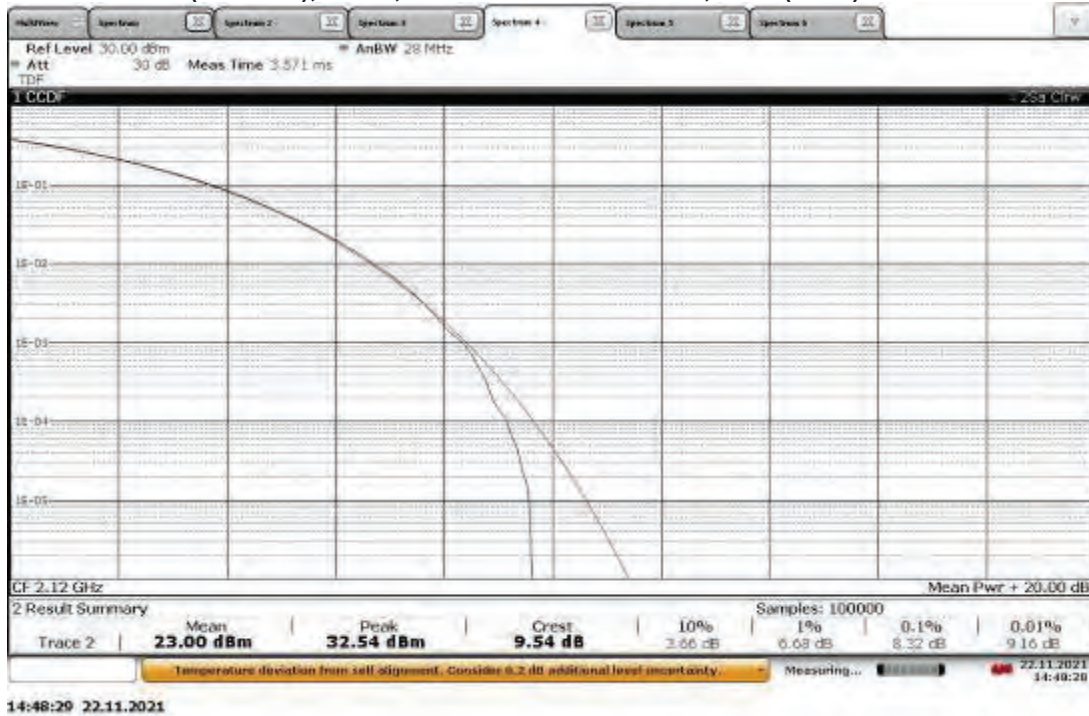
TM3.1a-256QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel 2192.5 MHz, PAR (0.1%) = 8.36 dB



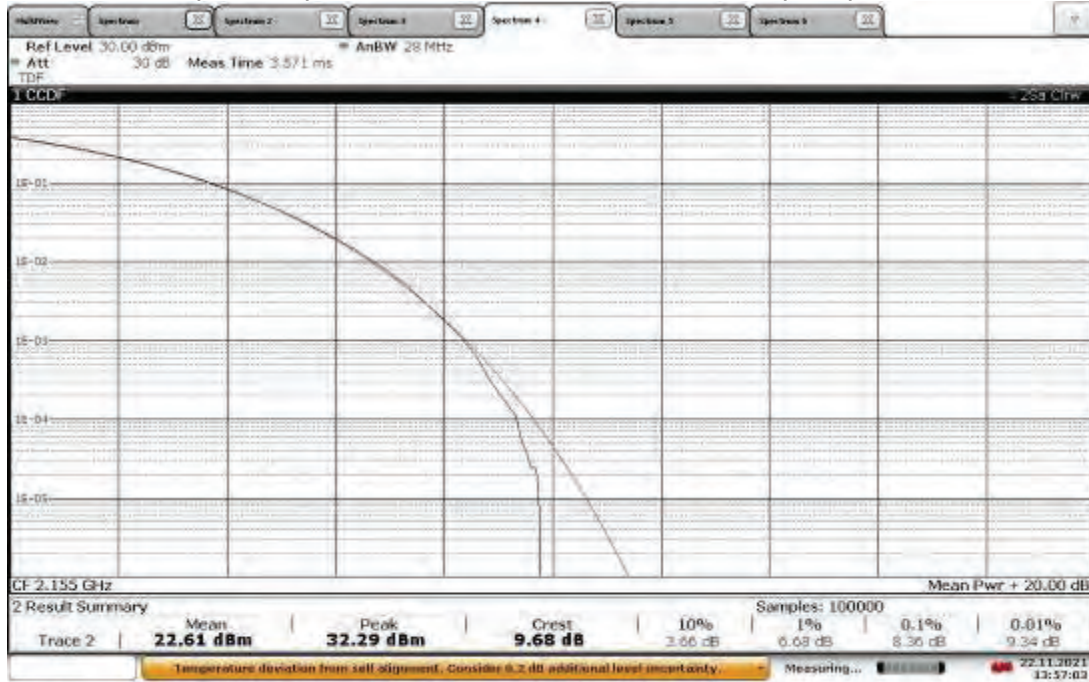
TM3.1a-256QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel 2120 MHz, PAR (0.1%) = 8.32 dB



TM3.1a-256QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel 2120 MHz, PAR (0.1%) = 8.32 dB

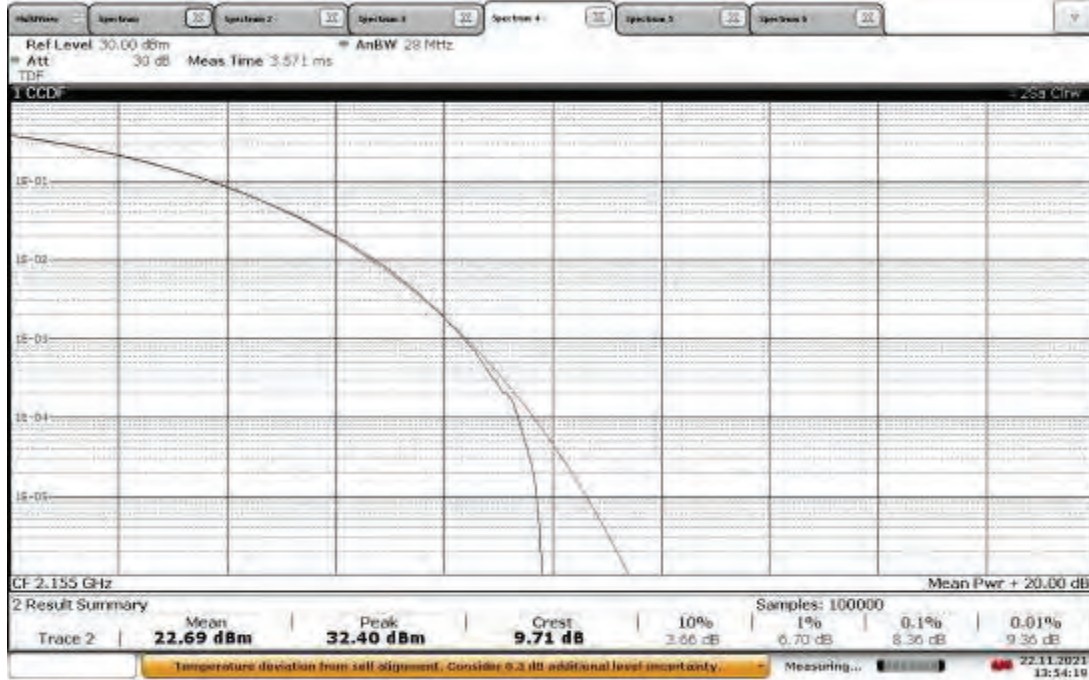


TM3.1a-256QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel 2155 MHz, PAR (0.1%) = 8.36 dB



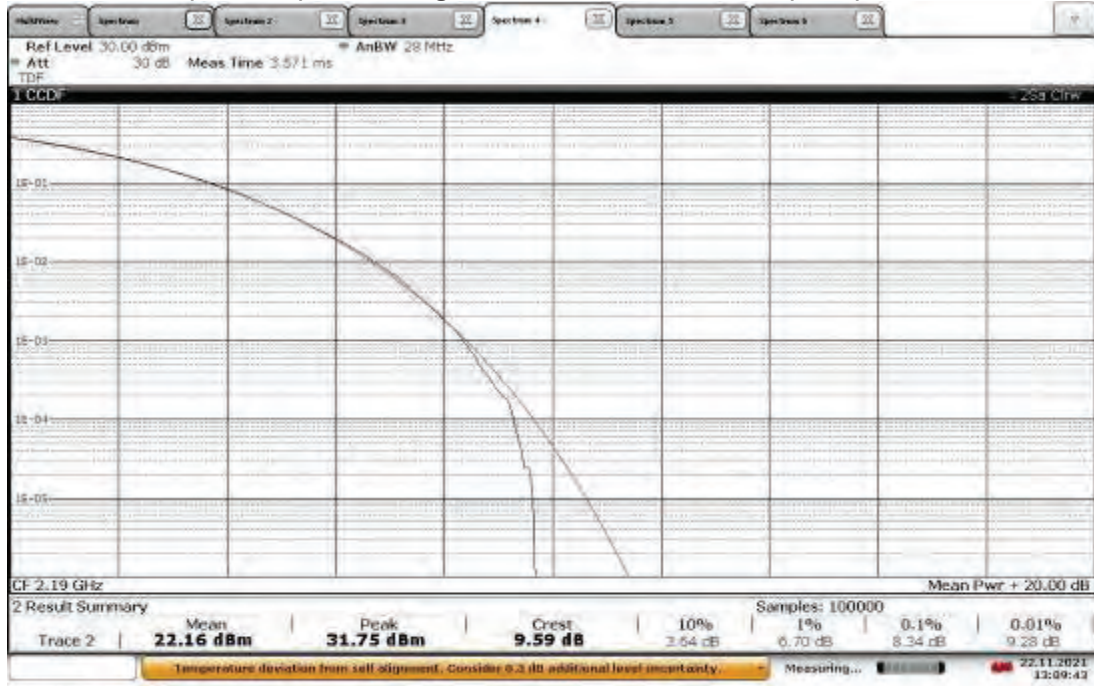
13:57:04 22.11.2021

TM3.1a-256QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel 2155 MHz, PAR (0.1%) = 8.38 dB



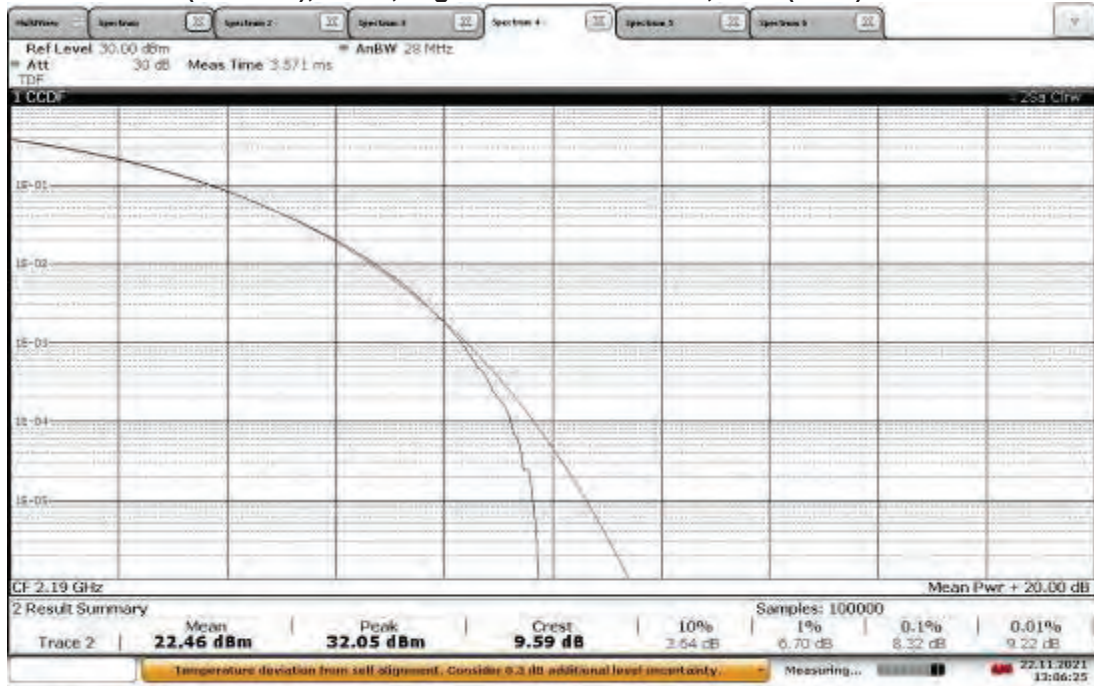
13:54:19 22.11.2021

TM3.1a-256QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel 2190 MHz, PAR (0.1%) = 8.34 dB



13:09:44 22.11.2021

TM3.1a-256QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel 2190 MHz, PAR (0.1%) = 8.32 dB



13:06:25 22.11.2021

Test Personnel: <u>Vathana F. Ven </u> Kouma Sinn  Supervising/Reviewing Engineer: (Where Applicable) <u>N/A</u> Product Standard: <u>FCC Part 27</u> Input Voltage: <u>48 VDC (POE)</u> Pretest Verification w/ Ambient Signals or BB Source: <u>N/A</u>	Test Date: <u>11/18/2021, 11/21/2021</u> <u>11/22/2021</u> Limit Applied: <u>See report section 7.3</u> Ambient Temperature: <u>23, 23,22 °C</u> Relative Humidity: <u>42, 42, 23 %</u> Atmospheric Pressure: <u>1001, 1018,1000 mbars</u>
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Deviations, Additions, or Exclusions: None

8 26 dB and Occupied Bandwidths

8.1 Method

Tests are performed in accordance with ANSI C63.26 and CFR47 FCC Parts 2.1049 and 27.

TEST SITE: EMC Lab

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
DAV005'	Weather Station	Davis	6250	MS191218083	02/07/2021	02/07/2022
ROS005-1'	Signal and Spectrum Analyzer	Rohde and Schwartz	FSW43	100646	10/02/2021	10/02/2022
CEN001'	DC-40GHz attenuator 20dB	Centric RF	C411-20	CEN001	01/22/2021	01/22/2022
CBLHF2012-5M-2'	5m 9kHz-40GHz Coaxial Cable - SET2	Huber & Suhner	SF102	252676002	02/19/2021	02/19/2022

Software Utilized:

Name	Manufacturer	Version
None	--	--

8.3 Results:

The sample tested was found to Comply.

§27.53(h)(3): The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

§2.1049: The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission.

Slot 2(Band 66), Bandwidth: 5 MHz, Modulation: TM1.1-QPSK

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	2112.50	ANT0	4.477	4.96
		ANT1	4.476	4.96
Mid	2155.00	ANT0	4.475	4.96
		ANT1	4.476	4.96
High	2197.50	ANT0	4.476	4.95
		ANT1	4.477	4.95

Slot 2(Band 66), Bandwidth: 10 MHz, Modulation: TM1.1-QPSK

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	2115.00	ANT0	9.300	10.05
		ANT1	9.399	10.05
Mid	2155.00	ANT0	9.305	10.05
		ANT1	9.307	10.05
High	2195.00	ANT0	9.305	10.03
		ANT1	9.304	10.03

Slot 2(Band 66), Bandwidth: 15 MHz, Modulation: TM1.1-QPSK

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	2117.50	ANT0	14.175	26 dB BW (MHz)
		ANT1	14.180	15.29
Mid	2155.00	ANT0	14.182	15.29
		ANT1	14.187	15.29
High	2192.50	ANT0	14.172	15.26
		ANT1	14.179	15.26

Slot 2(Band 66), Bandwidth: 20 MHz, Modulation: TM1.1-QPSK

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	2120.00	ANT0	18.876	20.19
		ANT1	18.900	20.11
Mid	2155.00	ANT0	18.884	20.08
		ANT1	18.896	20.02
High	2190.00	ANT0	18.885	20.31
		ANT1	18.871	20.10

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	2112.50	ANT0	4.505	4.93
		ANT1	4.506	4.93
Mid	2155.00	ANT0	4.499	4.92
		ANT1	4.504	4.93
High	2197.50	ANT0	4.504	4.92
		ANT1	4.507	4.93

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	2115.00	ANT0	9.231	9.89
		ANT1	9.231	9.89
Mid	2155.00	ANT0	9.236	9.91
		ANT1	9.237	9.91
High	2195.00	ANT0	9.227	9.91
		ANT1	9.233	9.89

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	2117.50	ANT0	14.210	15.21
		ANT1	14.234	15.19
Mid	2155.00	ANT0	14.206	15.35
		ANT1	14.252	15.30
High	2192.50	ANT0	14.770	15.26
		ANT1	14.224	15.26

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	2120.00	ANT0	19.017	20.26
		ANT1	19.030	20.24
Mid	2155.00	ANT0	19.033	20.20
		ANT1	19.046	20.29
High	2190.00	ANT0	19.014	20.28
		ANT1	19.003	20.21

Slot 2(Band 66), Bandwidth: 5 MHz, Modulation: TM3.1-64QAM

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	2112.50	ANT0	4.478	4.93
		ANT1	4.481	4.93
Mid	2155.00	ANT0	4.479	4.93
		ANT1	4.930	4.48
High	2197.50	ANT0	4.478	4.95
		ANT1	4.480	4.95

Slot 2(Band 66), Bandwidth: 10 MHz, Modulation: TM3.1-64QAM

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	2115.00	ANT0	9.298	10.05
		ANT1	9.298	10.05
Mid	2155.00	ANT0	9.306	10.05
		ANT1	9.305	10.05
High	2195.00	ANT0	9.306	10.03
		ANT1	9.308	10.03

Slot 2(Band 66), Bandwidth: 15 MHz, Modulation: TM3.1-64QAM

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	2117.50	ANT0	14.133	15.26
		ANT1	14.138	15.26
Mid	2155.00	ANT0	14.138	15.22
		ANT1	14.142	15.22
High	2192.50	ANT0	14.126	15.20
		ANT1	14.126	15.22

Slot 2(Band 66), Bandwidth: 20 MHz, Modulation: TM3.1-64QAM

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	2120.00	ANT0	18.879	20.31
		ANT1	18.909	20.15
Mid	2150.00	ANT0	18.914	20.19
		ANT1	18.958	20.14
High	2190.00	ANT0	18.903	20.22
		ANT1	18.899	20.31

Slot 2(Band 66), Bandwidth: 5 MHz, Modulation: TM3.1a-256QAM

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	2112.50	ANT0	4.479	4.96
		ANT1	4.479	4.96
Mid	2155.00	ANT0	4.478	4.96
		ANT1	4.478	4.96
High	2197.50	ANT0	4.478	4.95
		ANT1	4.479	4.95

Slot 2(Band 66), Bandwidth: 10 MHz, Modulation: TM3.1a-256QAM

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	2115.00	ANT0	9.295	10.03
		ANT1	9.294	10.03
Mid	2155.00	ANT0	9.000	10.05
		ANT1	9.299	10.05
High	2195.00	ANT0	9.298	10.03
		ANT1	9.300	10.05

Slot 2(Band 66), Bandwidth: 15 MHz, Modulation: TM3.1a-256QAM

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	2117.50	ANT0	14.088	15.26
		ANT1	14.135	15.23
Mid	2155.00	ANT0	14.152	15.31
		ANT1	14.132	15.26
High	2192.50	ANT0	14.102	15.28
		ANT1	14.121	15.21

Slot 2(Band 66), Bandwidth: 20 MHz, Modulation: TM3.1a-256QAM

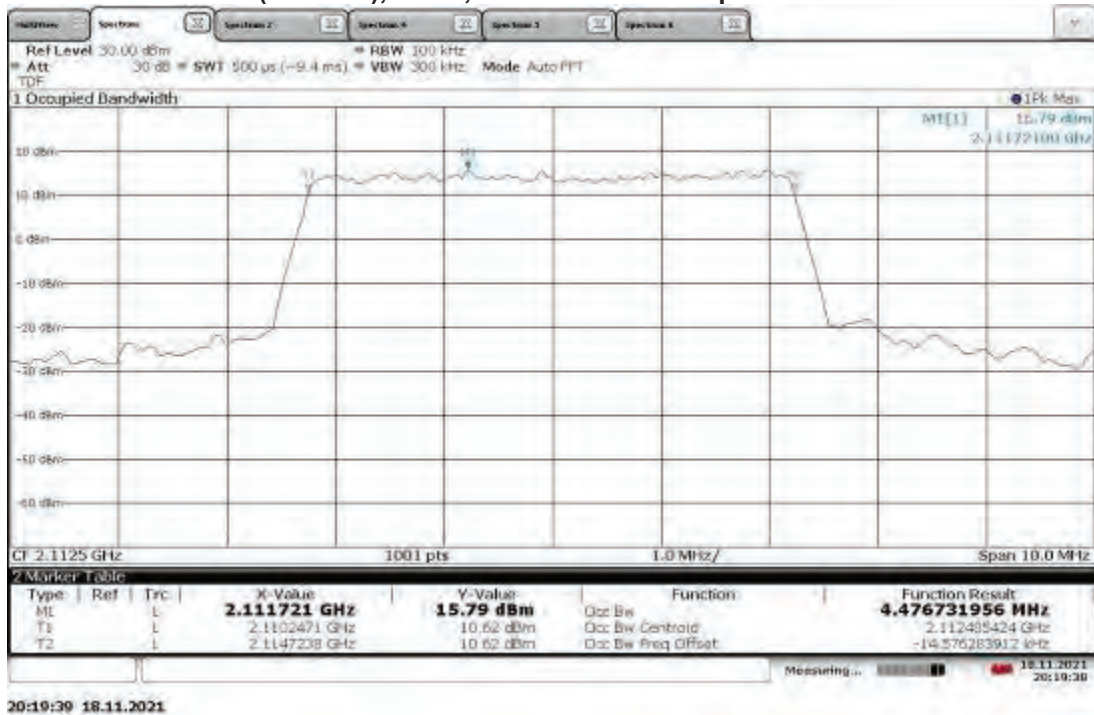
Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	2120.00	ANT0	18.943	20.24
		ANT1	18.913	20.47
Mid	2150.00	ANT0	18.922	20.19
		ANT1	18.954	20.27
High	2190.00	ANT0	18.912	20.32
		ANT1	18.924	20.50

8.4 Setup Photograph:

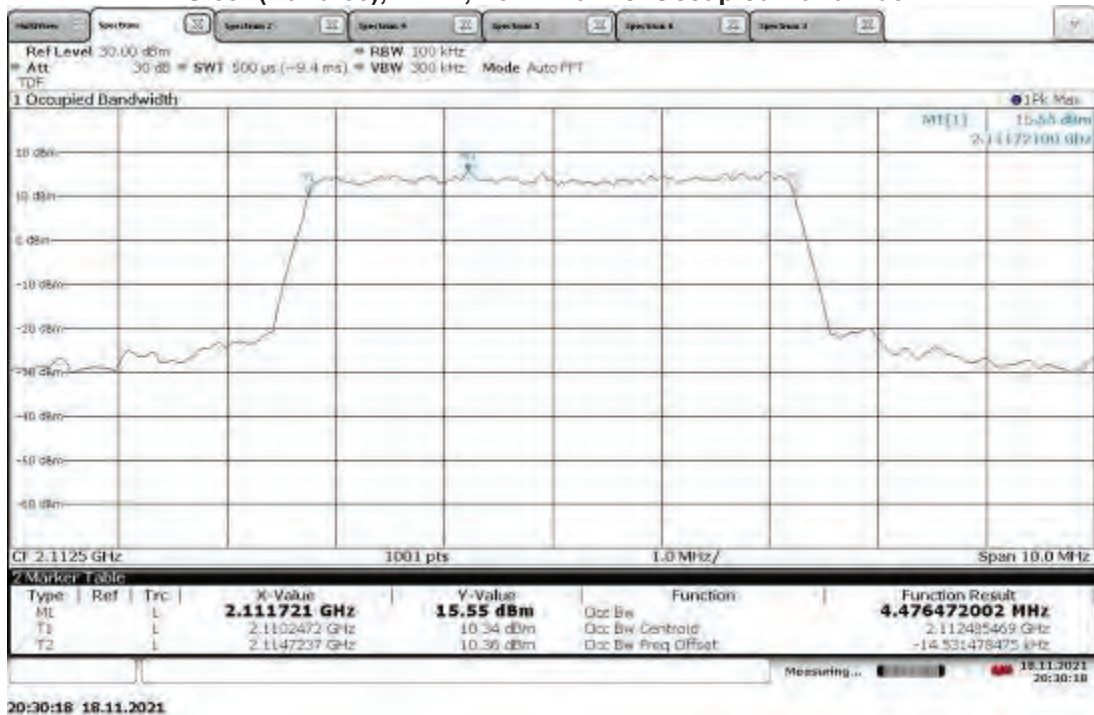
Confidential – Test setup photo not included in this report

8.5 Plots/Data:

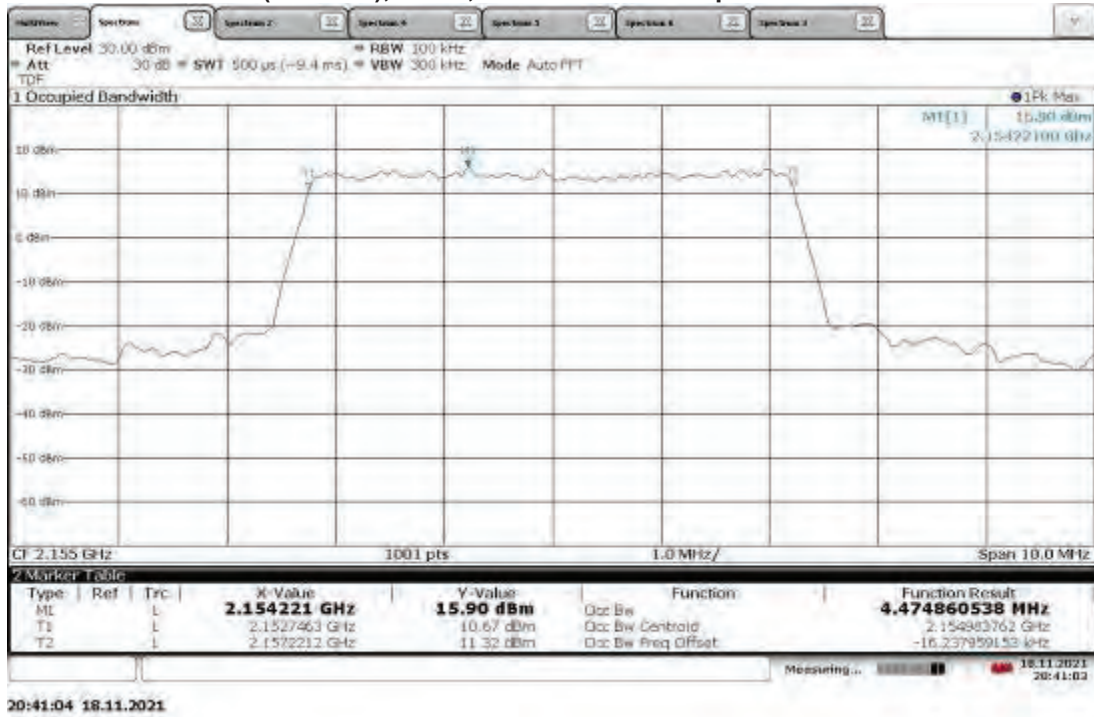
TM1.1-QPSK_5 MHz Bandwidth Slot 2(Band 66), ANT0, Low Channel Occupied Bandwidth



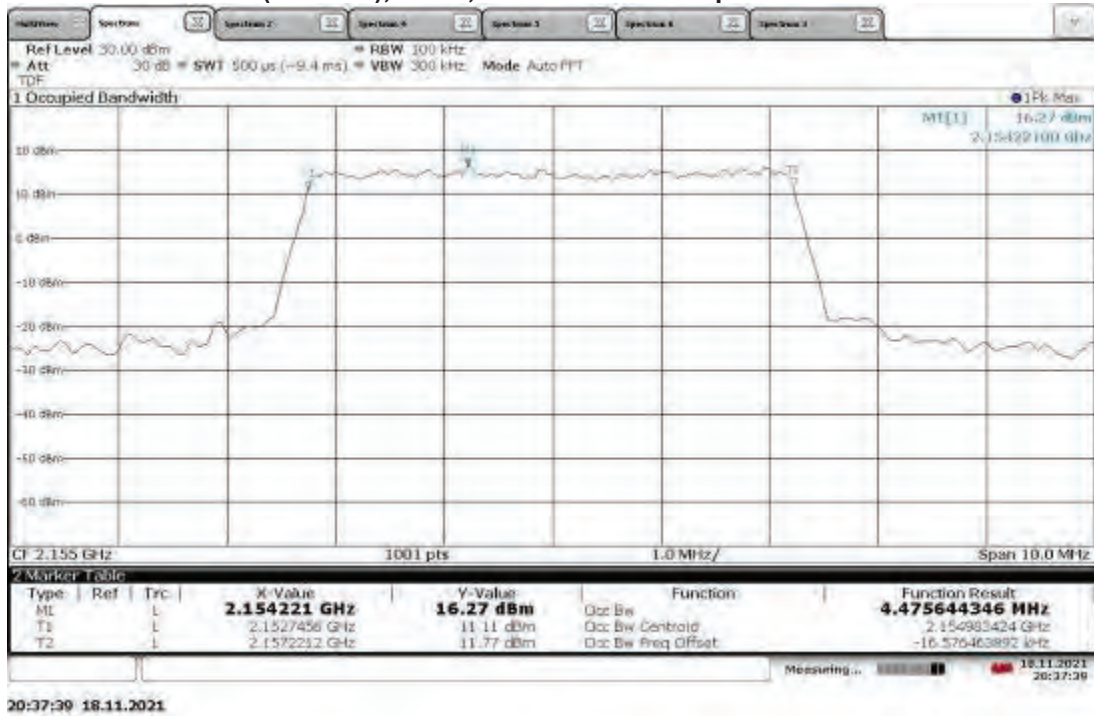
TM1.1-QPSK_5 MHz Bandwidth Slot 2(Band 66), ANT1, Low Channel Occupied Bandwidth



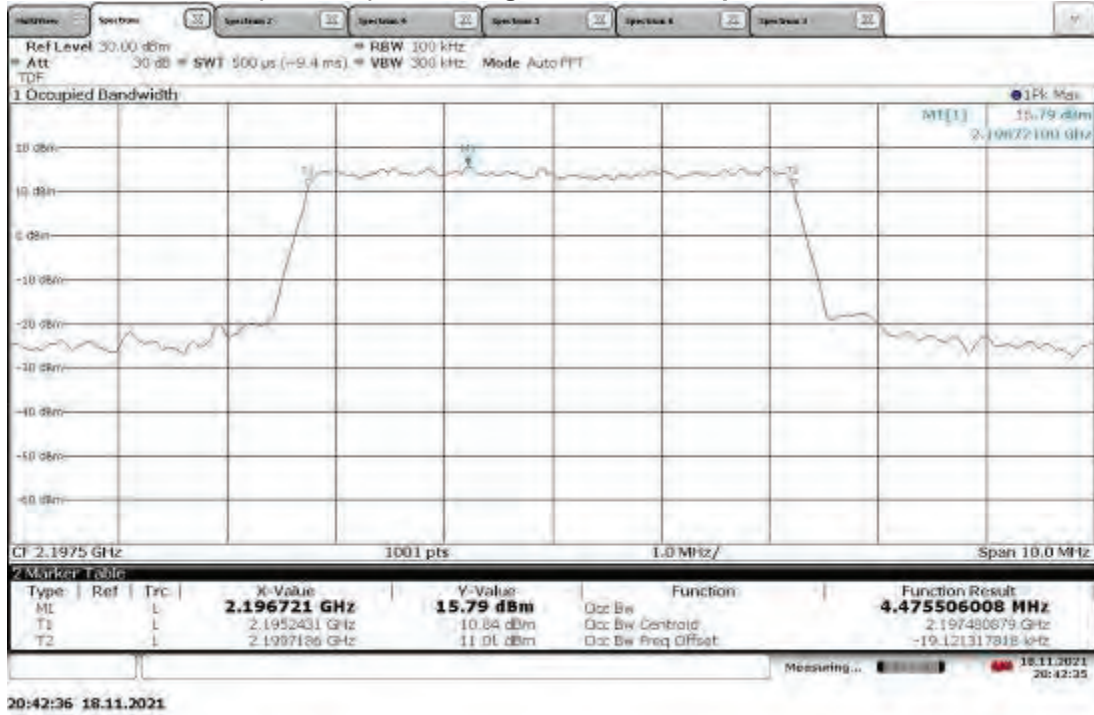
TM1.1-QPSK_5 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel Occupied Bandwidth



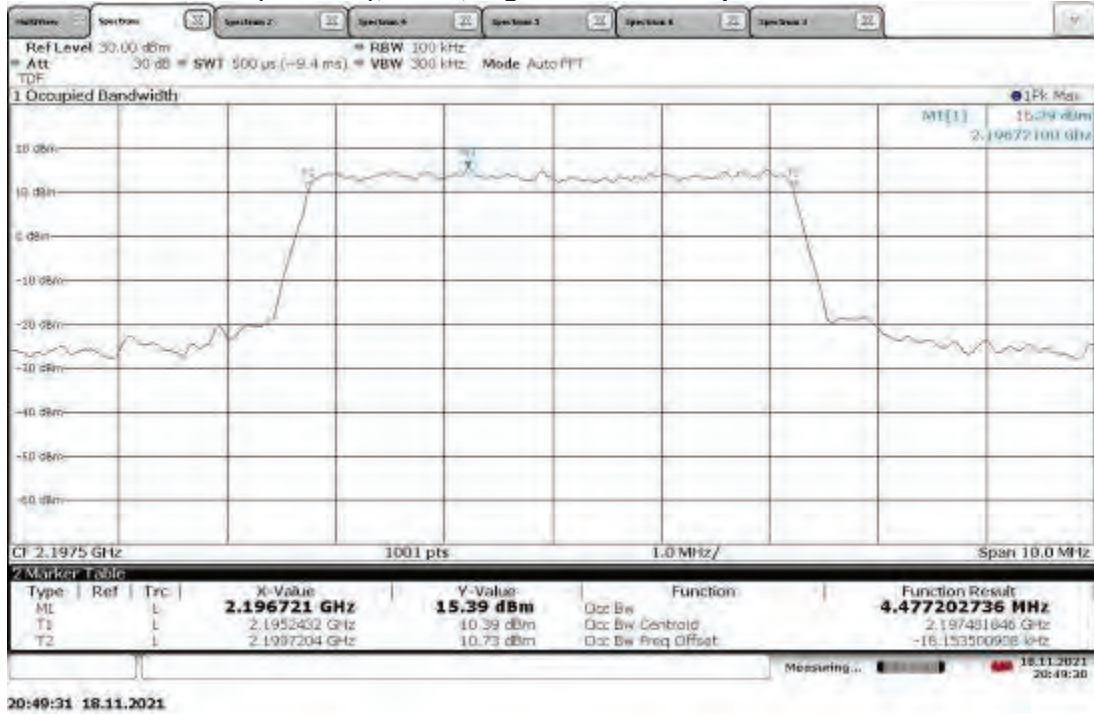
TM1.1-QPSK_5 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel Occupied Bandwidth



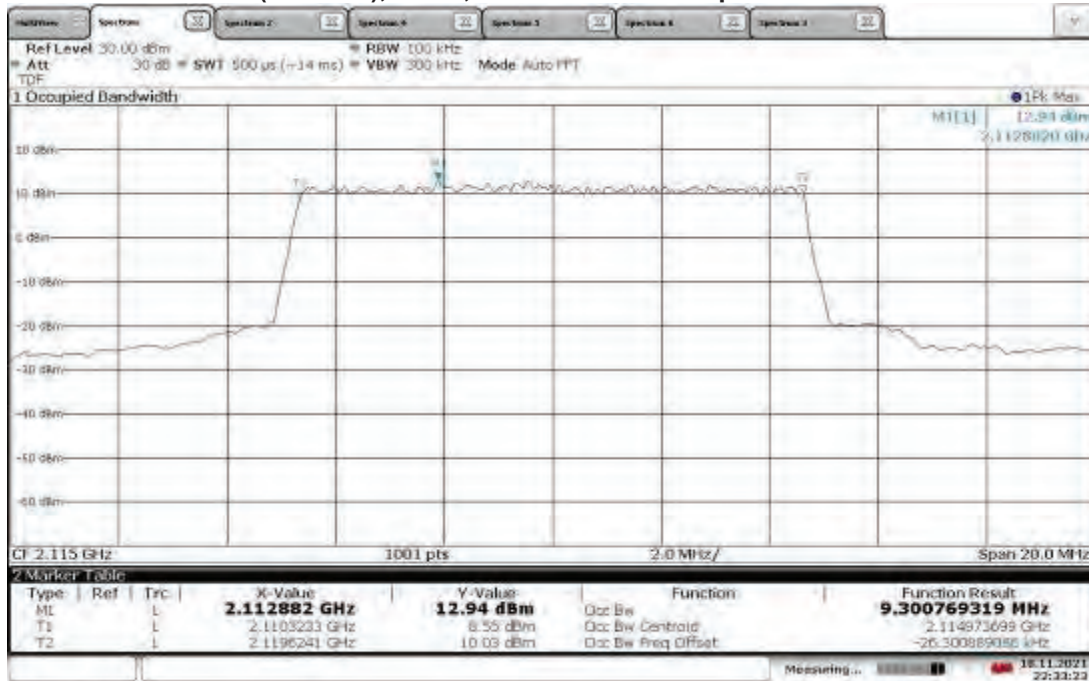
TM1.1-QPSK_5 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel Occupied Bandwidth



TM1.1-QPSK_5 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel Occupied Bandwidth

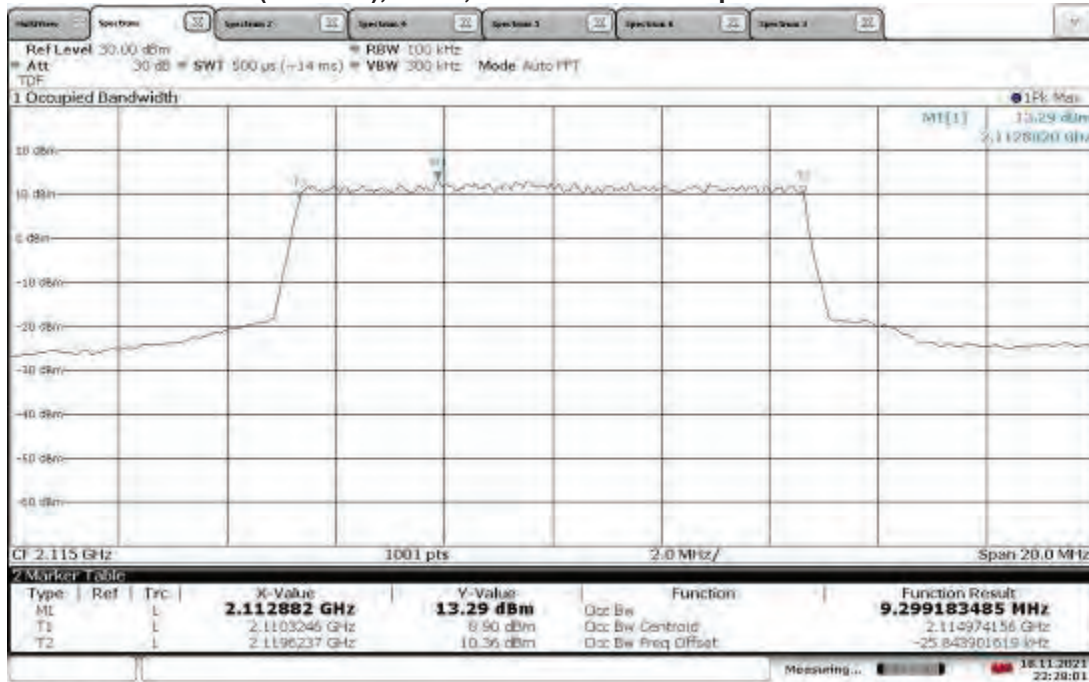


TM1.1-QPSK_10 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel Occupied Bandwidth



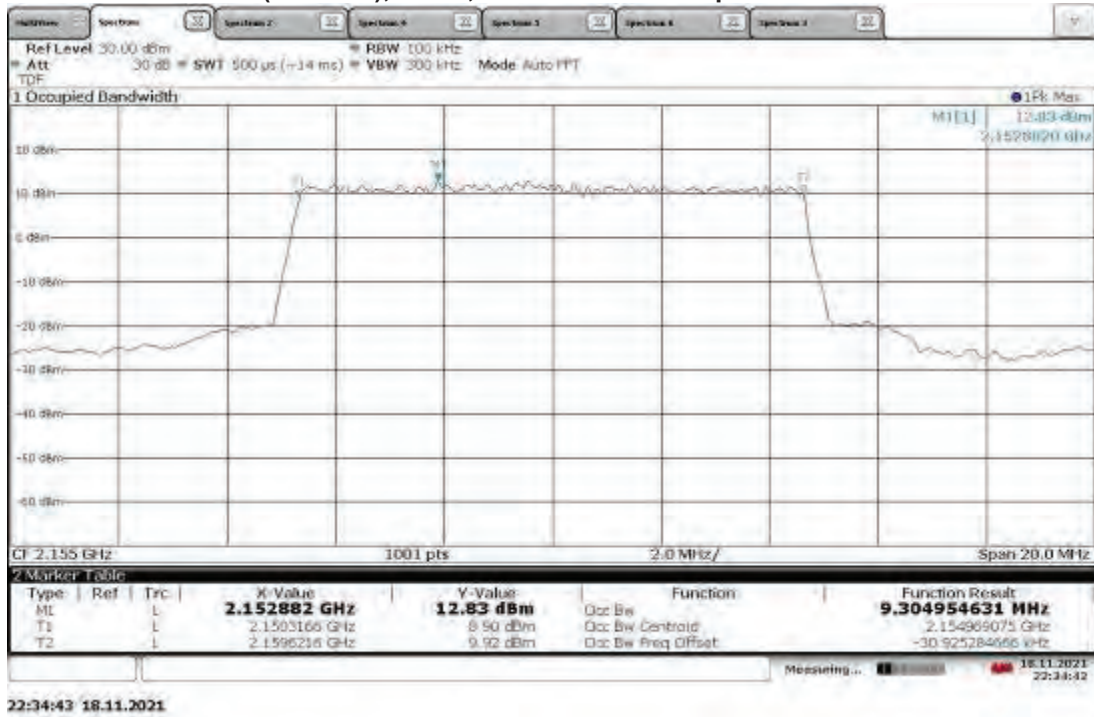
22:33:23 18.11.2021

TM1.1-QPSK_10 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel Occupied Bandwidth

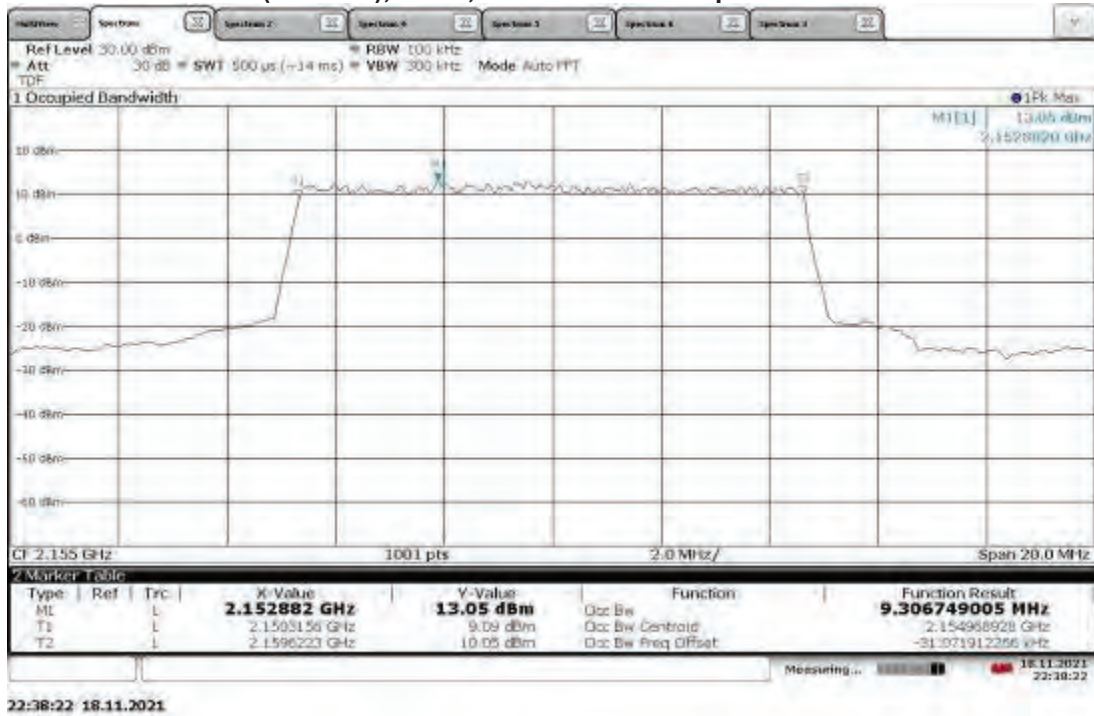


22:38:01 18.11.2021

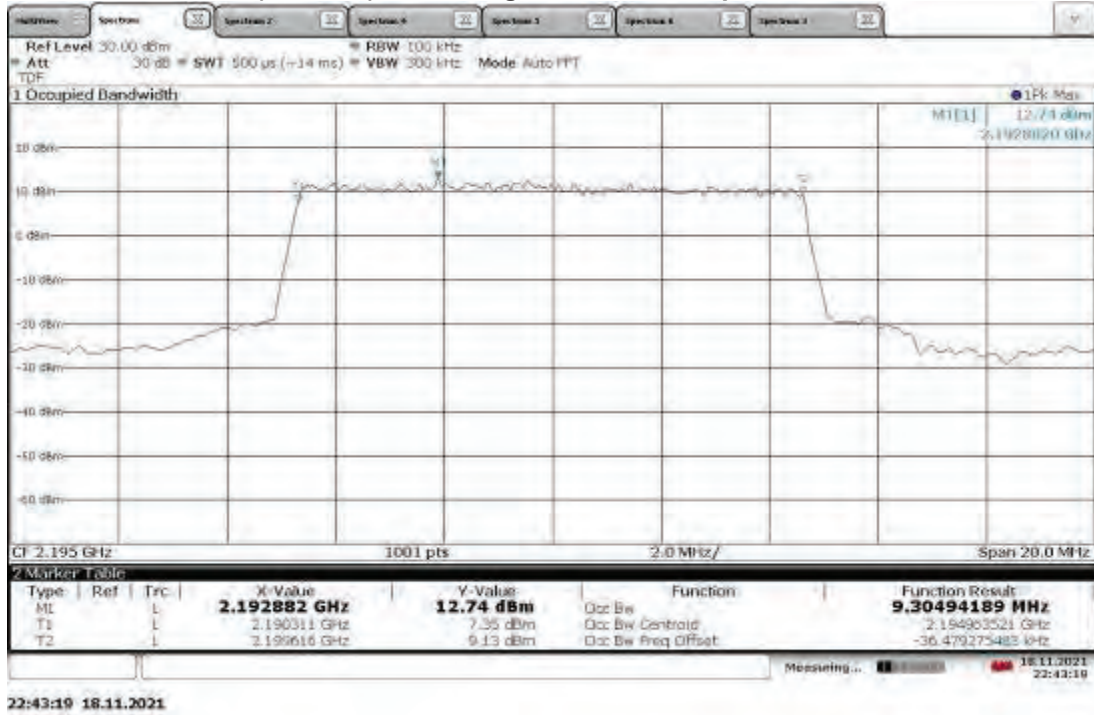
TM1.1-QPSK_10 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel Occupied Bandwidth



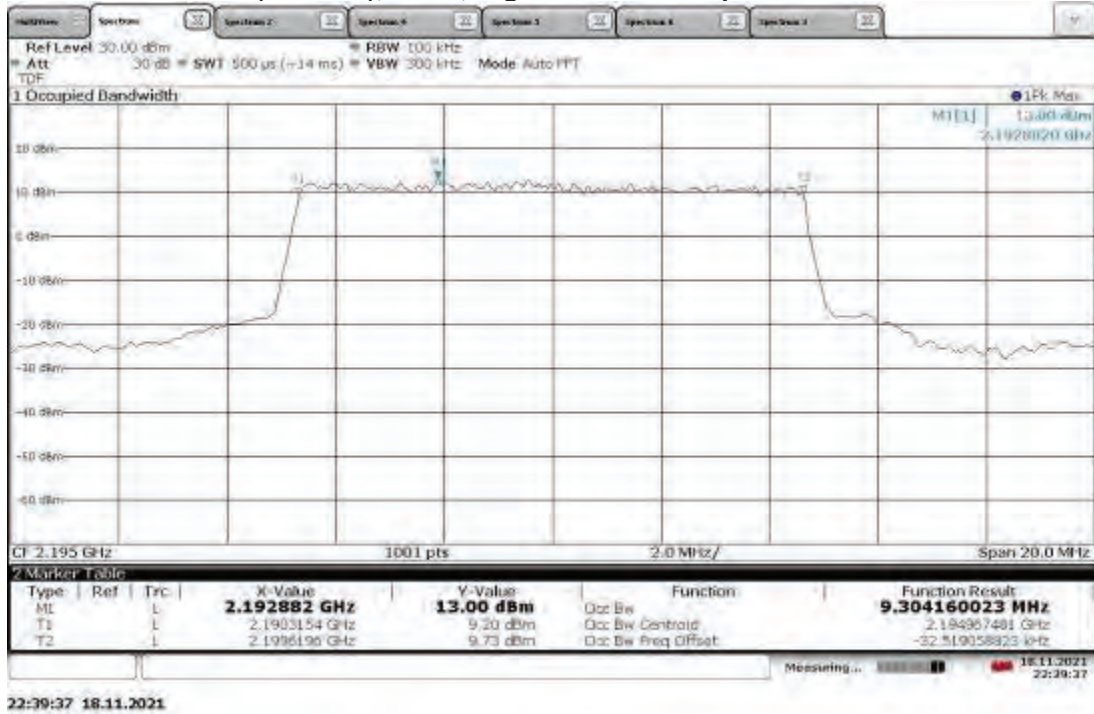
TM1.1-QPSK_10 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel Occupied Bandwidth



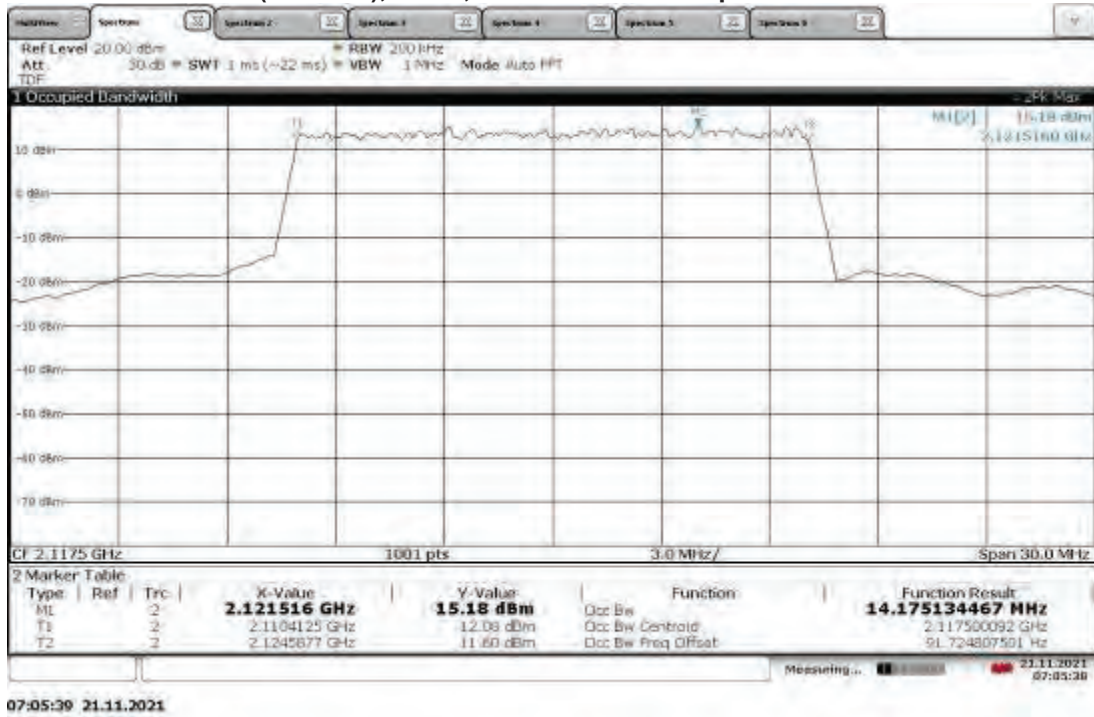
TM1.1-QPSK_10 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel Occupied Bandwidth



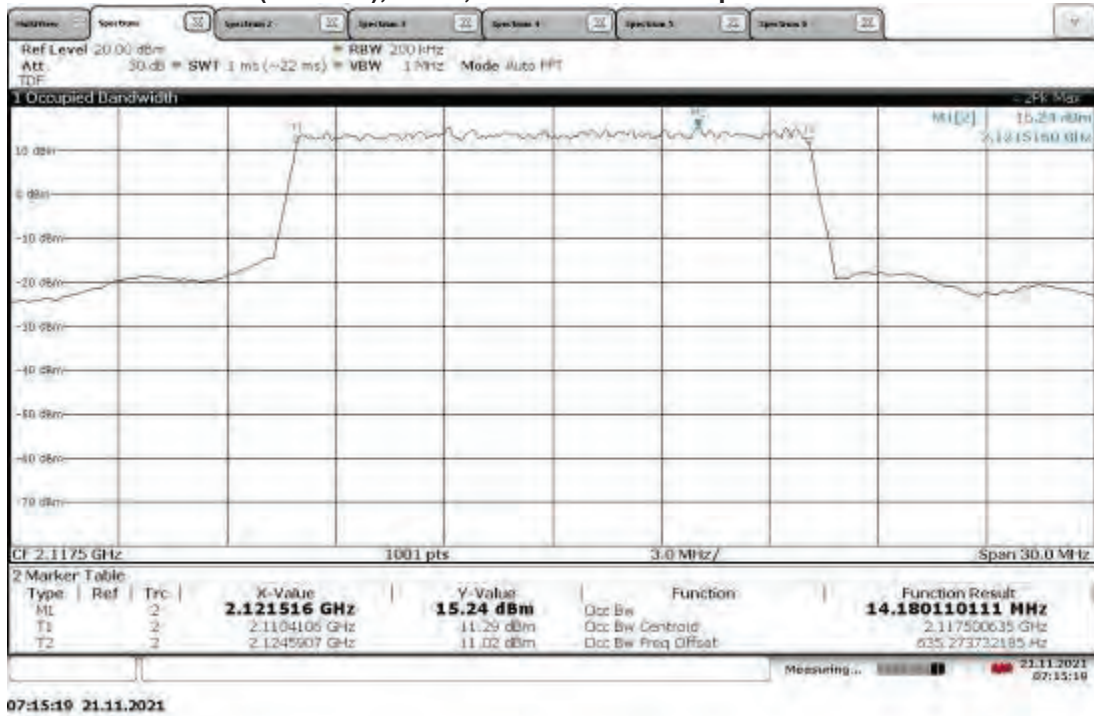
TM1.1-QPSK_10 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel Occupied Bandwidth



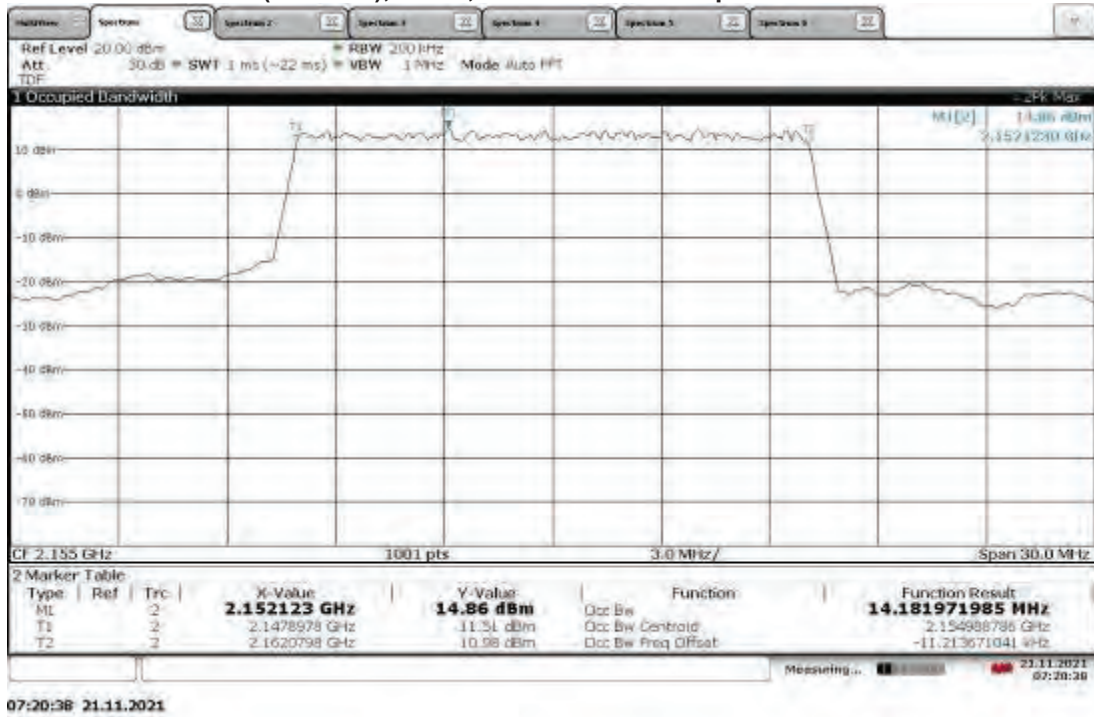
TM1.1-QPSK_15 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel Occupied Bandwidth



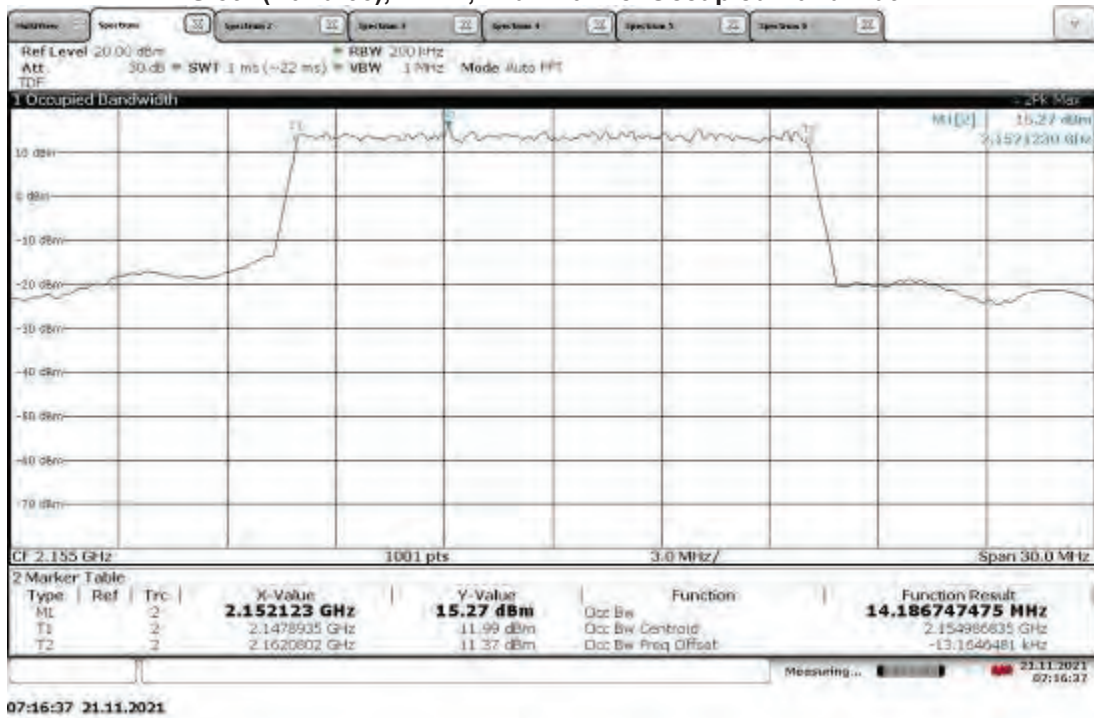
TM1.1-QPSK_15 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel Occupied Bandwidth



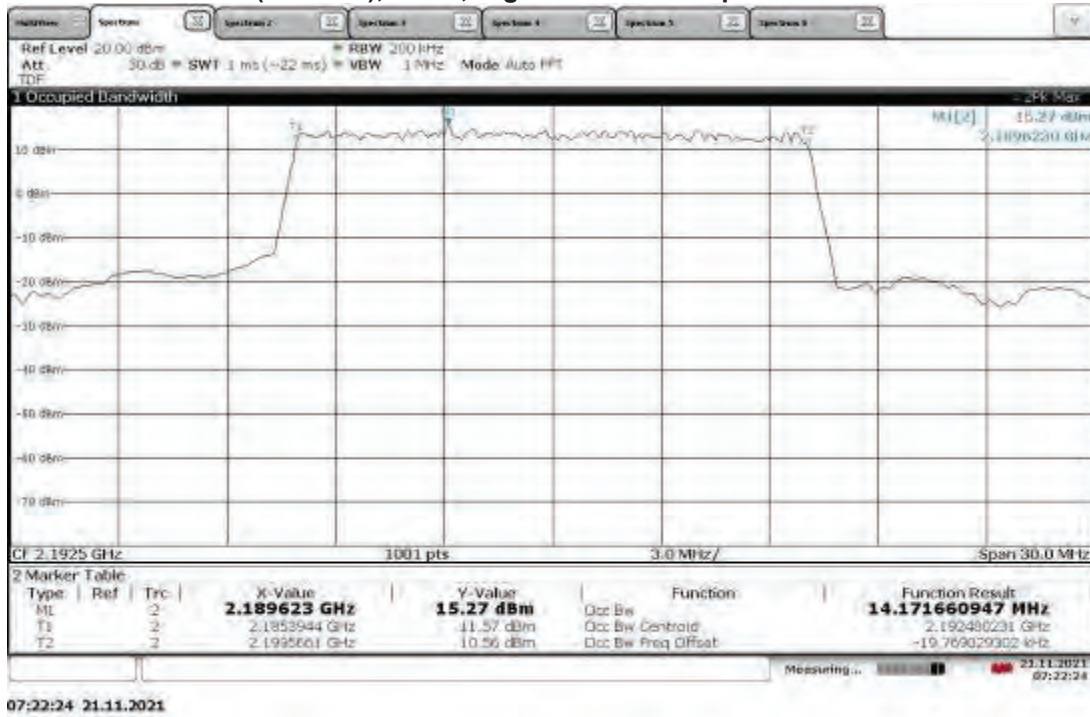
**TM1.1-QPSK_15 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel Occupied Bandwidth**



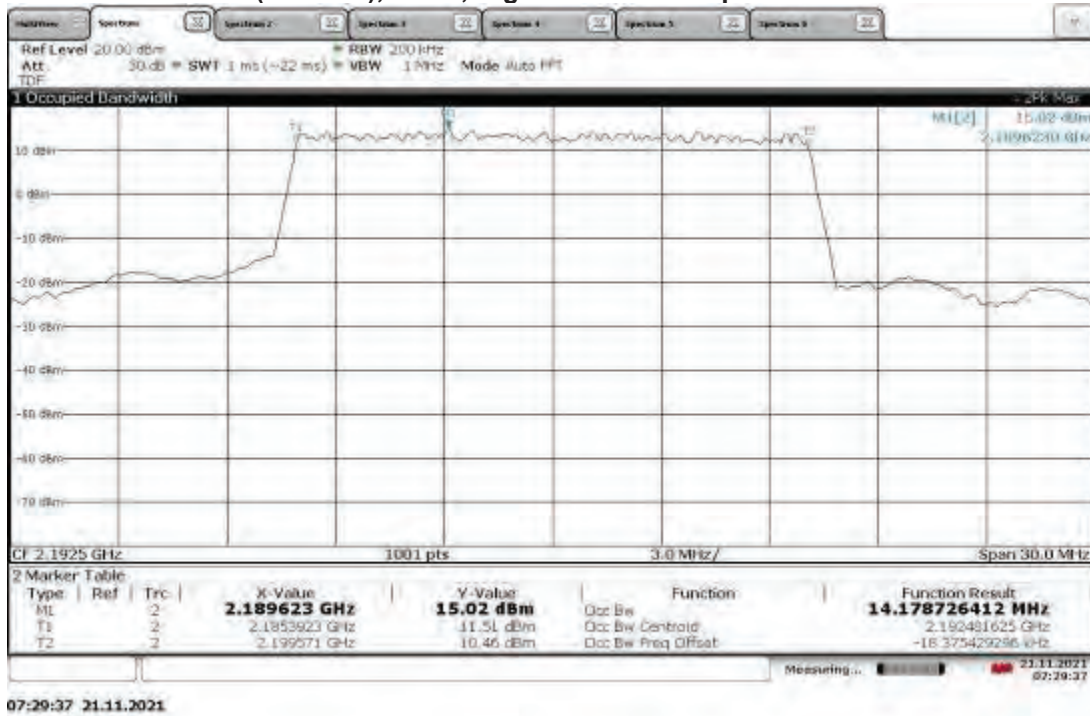
**TM1.1-QPSK_15 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel Occupied Bandwidth**



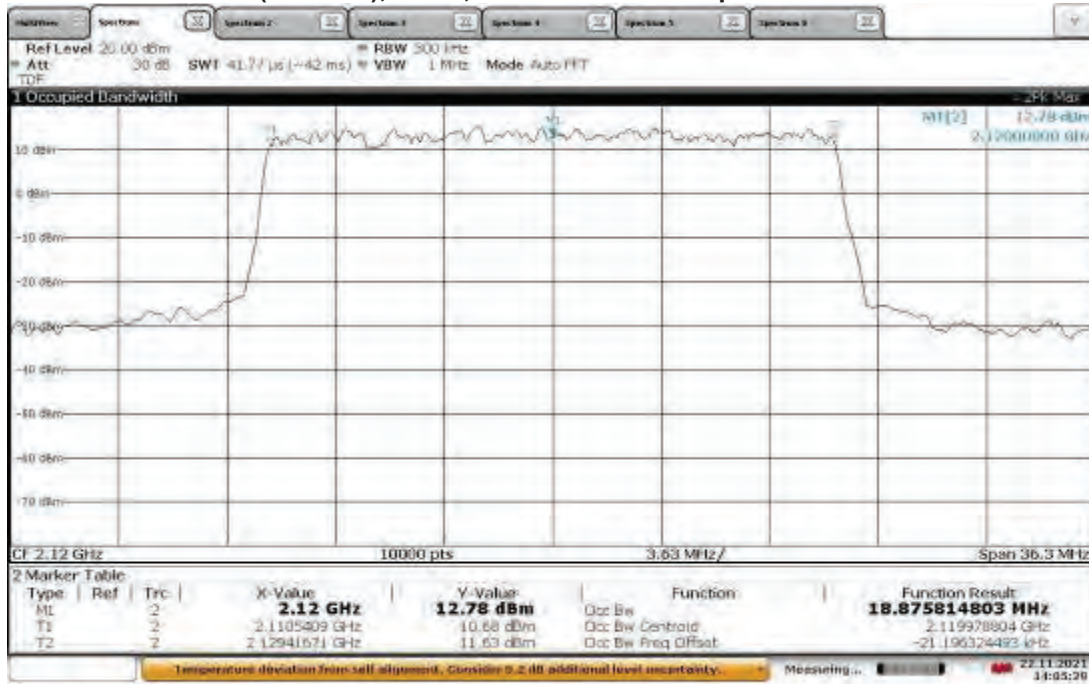
TM1.1-QPSK_15 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel Occupied Bandwidth



TM1.1-QPSK_15 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel Occupied Bandwidth

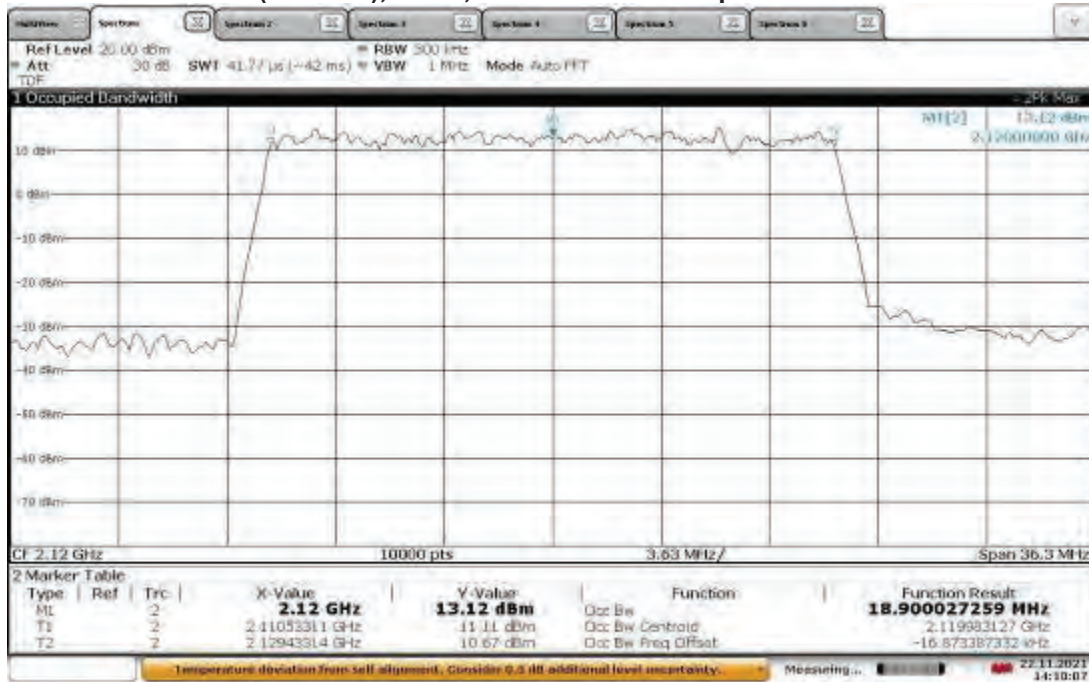


TM1.1-QPSK_20 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel Occupied Bandwidth



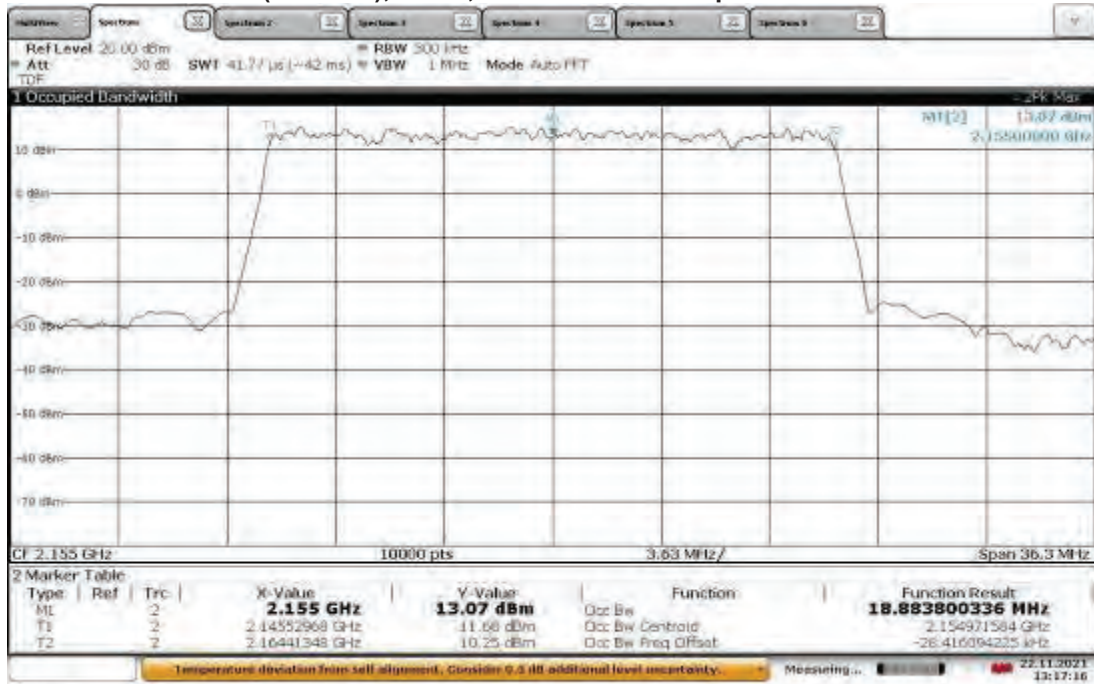
14:05:29 22.11.2021

TM1.1-QPSK_20 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel Occupied Bandwidth



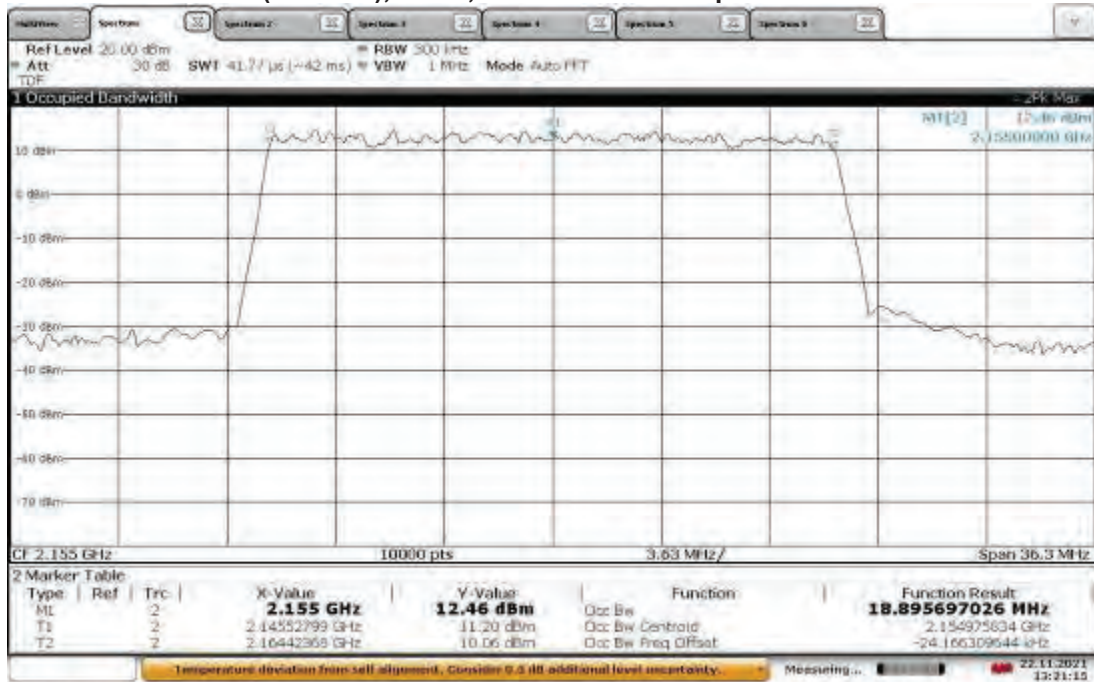
14:10:08 22.11.2021

TM1.1-QPSK_20 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel Occupied Bandwidth



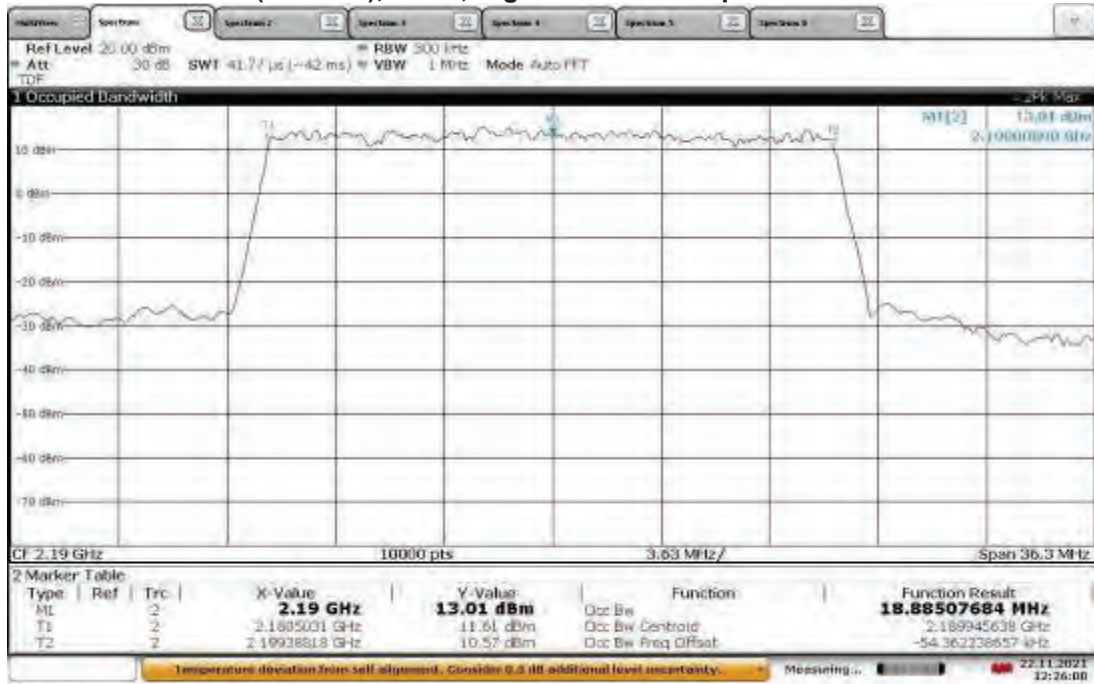
13:17:17 22.11.2021

TM1.1-QPSK_20 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel Occupied Bandwidth



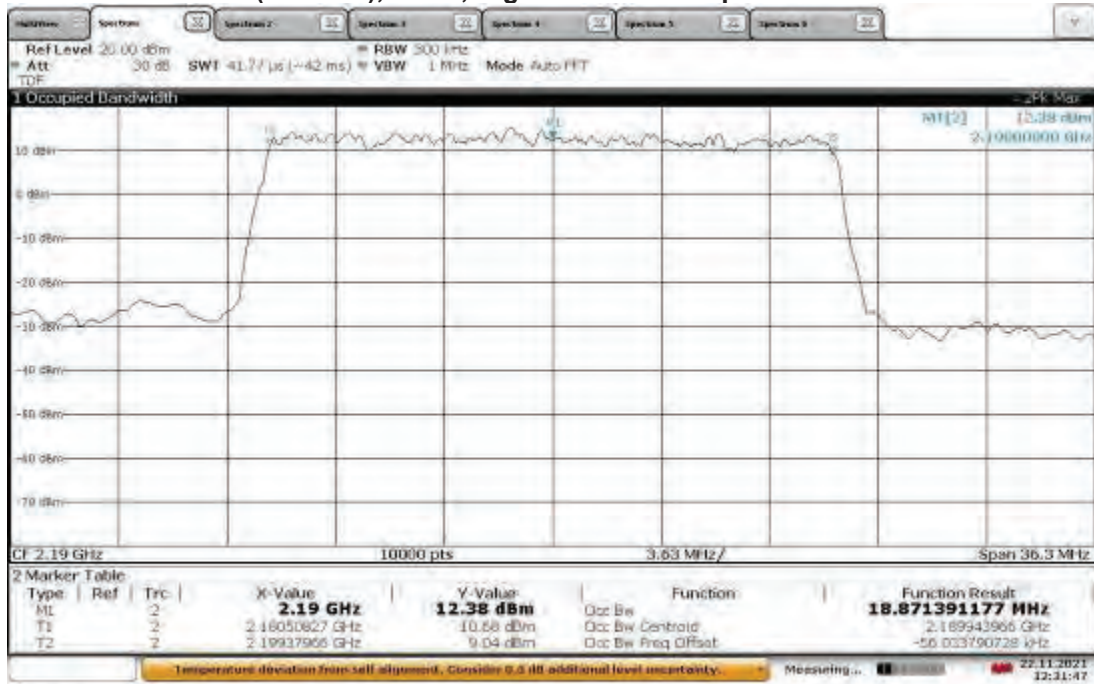
13:21:15 22.11.2021

TM1.1-QPSK_20 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel Occupied Bandwidth



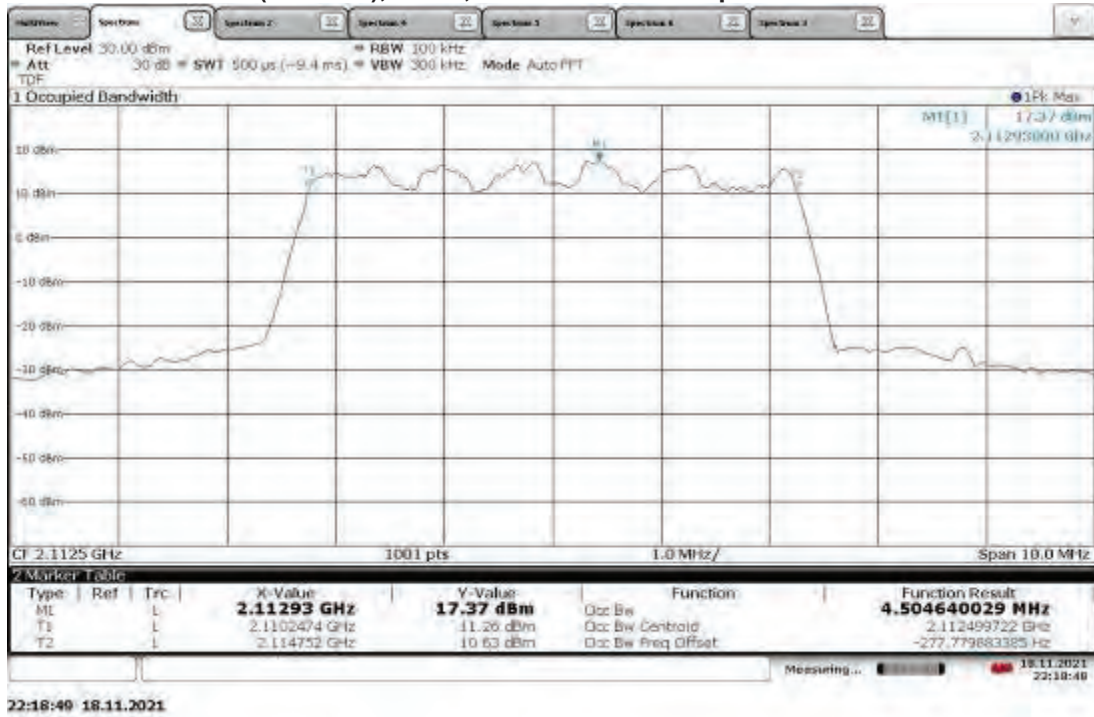
12:26:00 22.11.2021

TM1.1-QPSK_20 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel Occupied Bandwidth

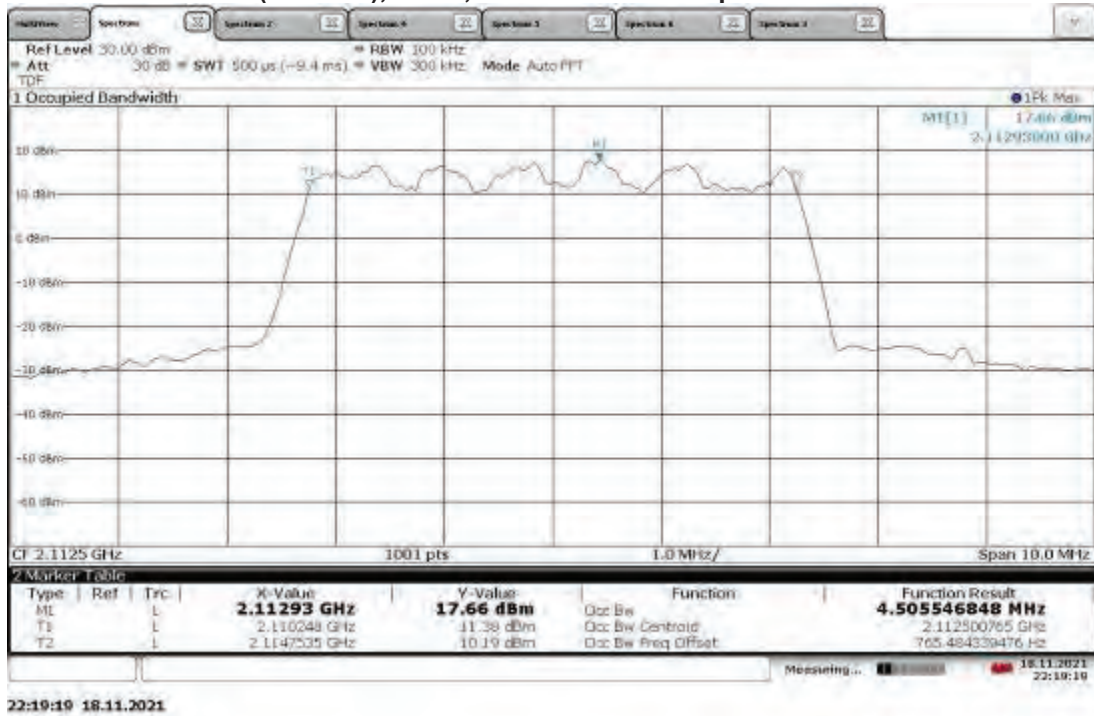


12:31:48 22.11.2021

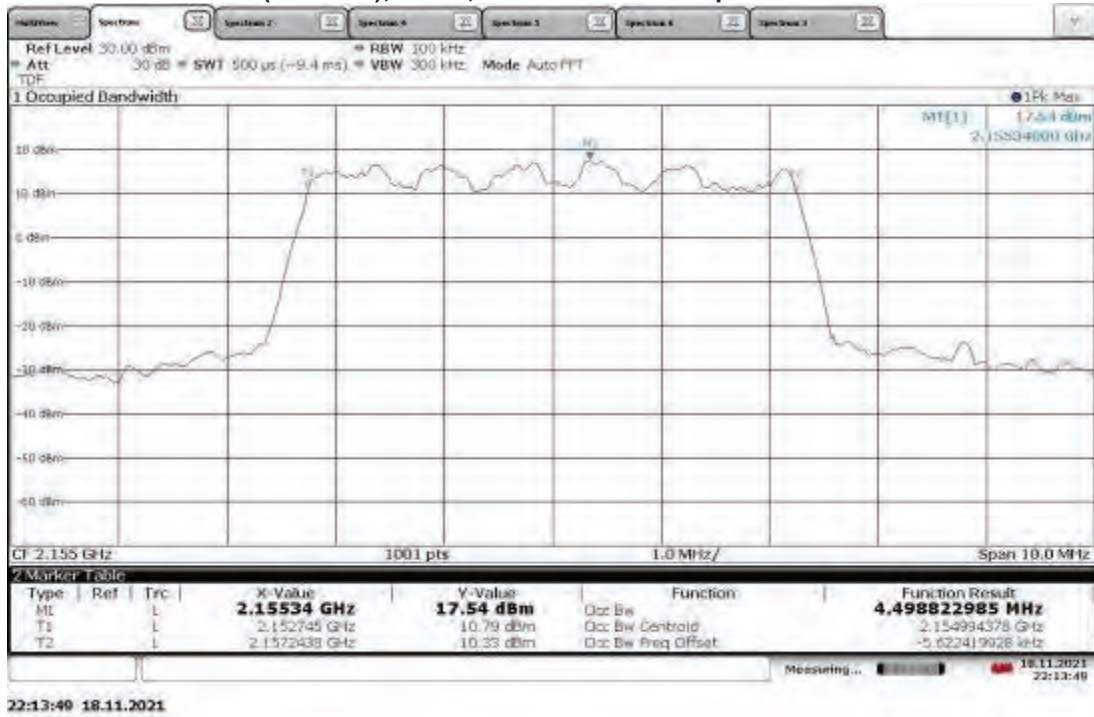
TM3.2-16QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel Occupied Bandwidth



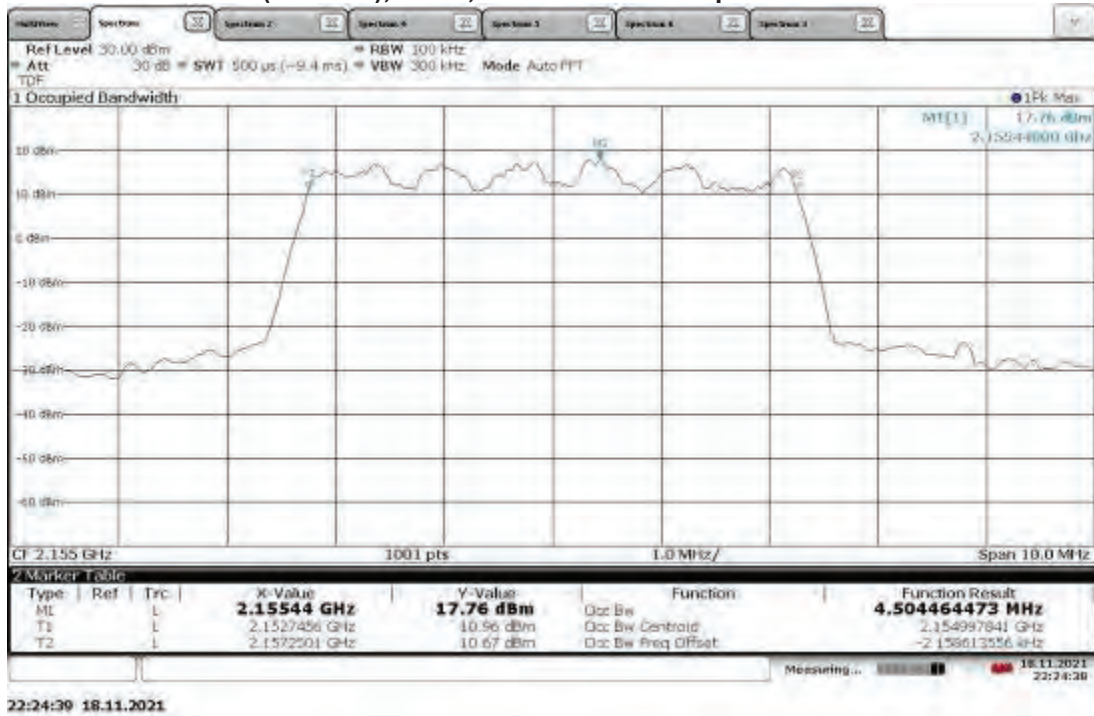
TM3.2-16QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel Occupied Bandwidth



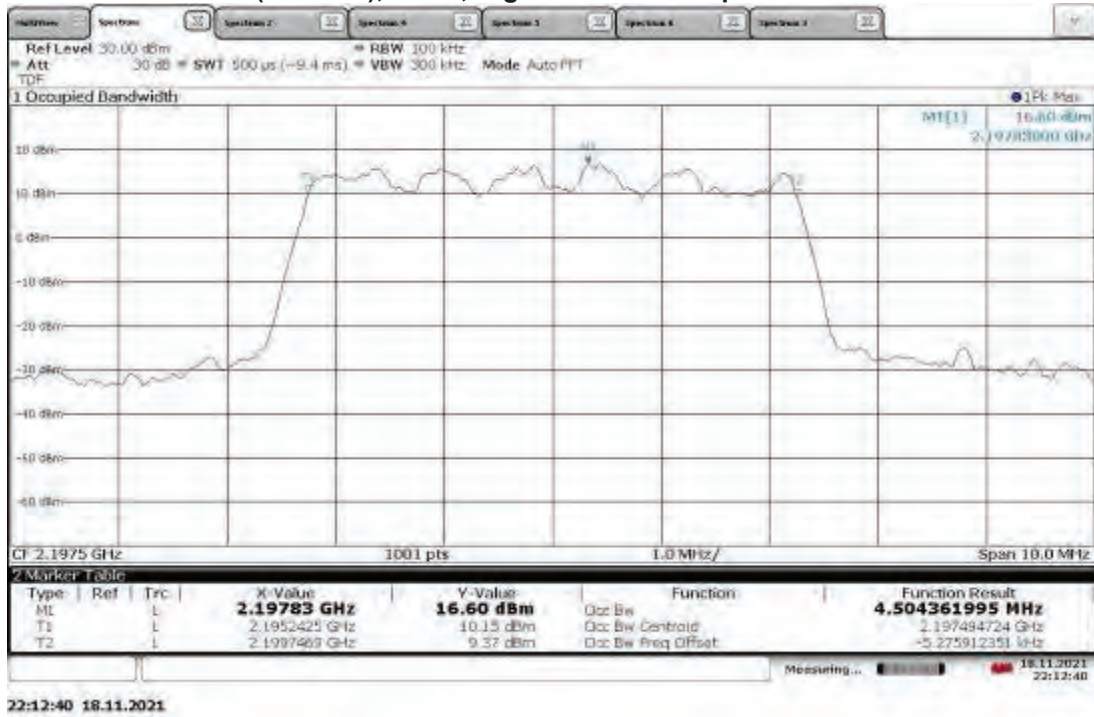
TM3.2-16QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel Occupied Bandwidth



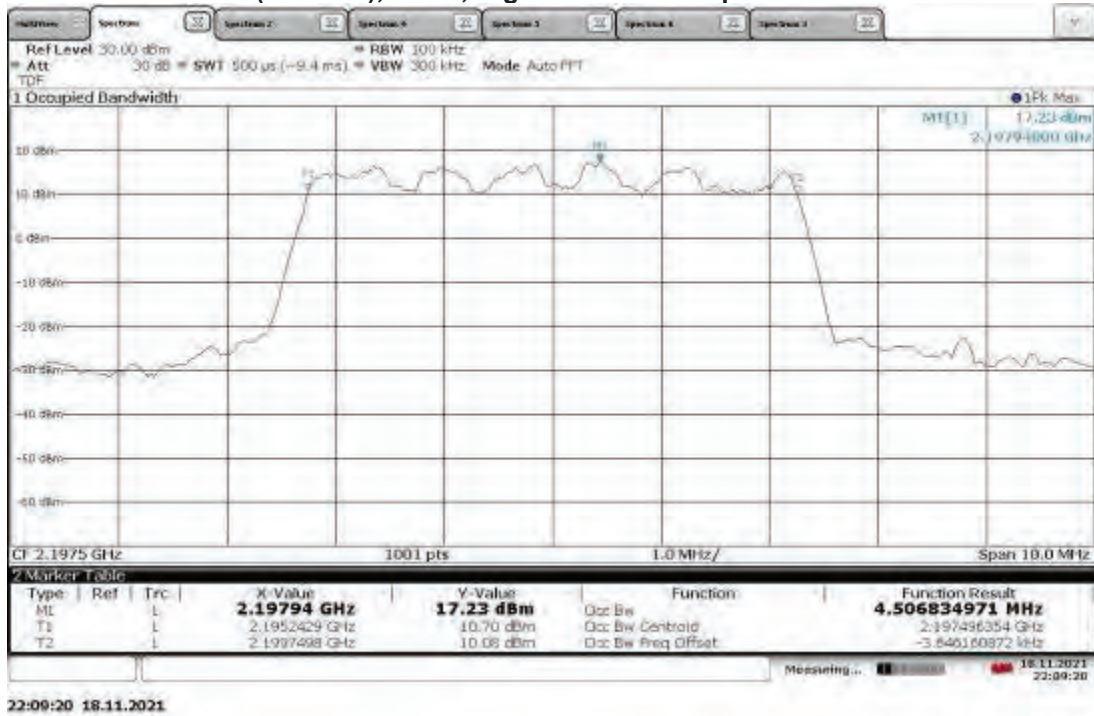
TM3.2-16QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel Occupied Bandwidth



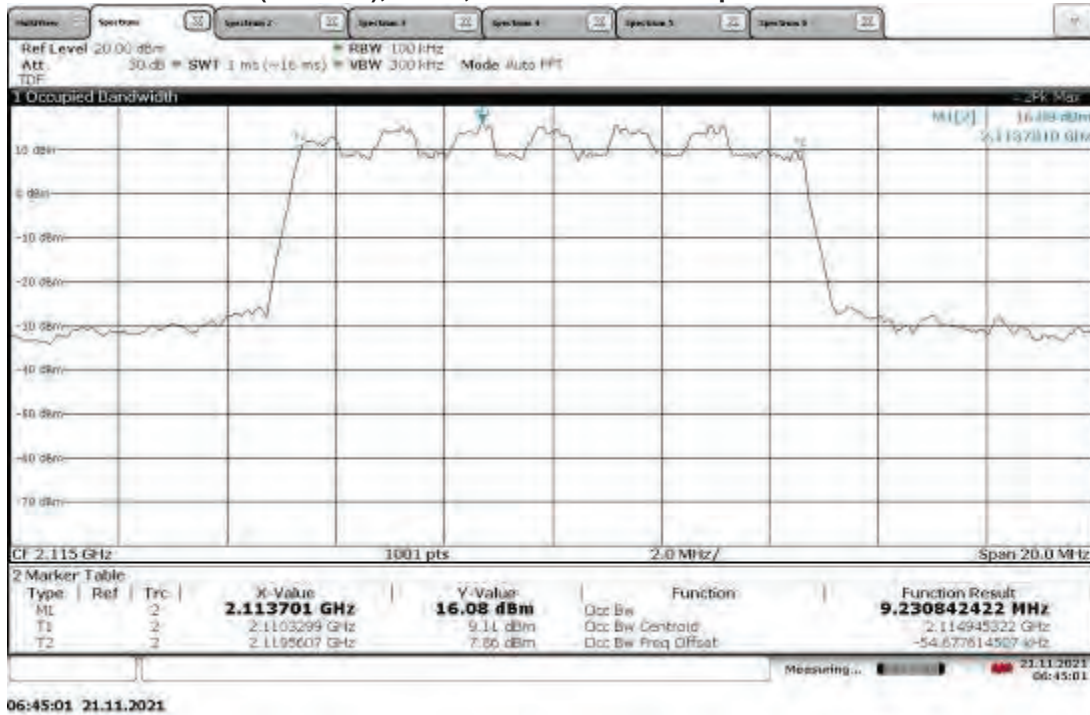
**TM3.2-16QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel Occupied Bandwidth**



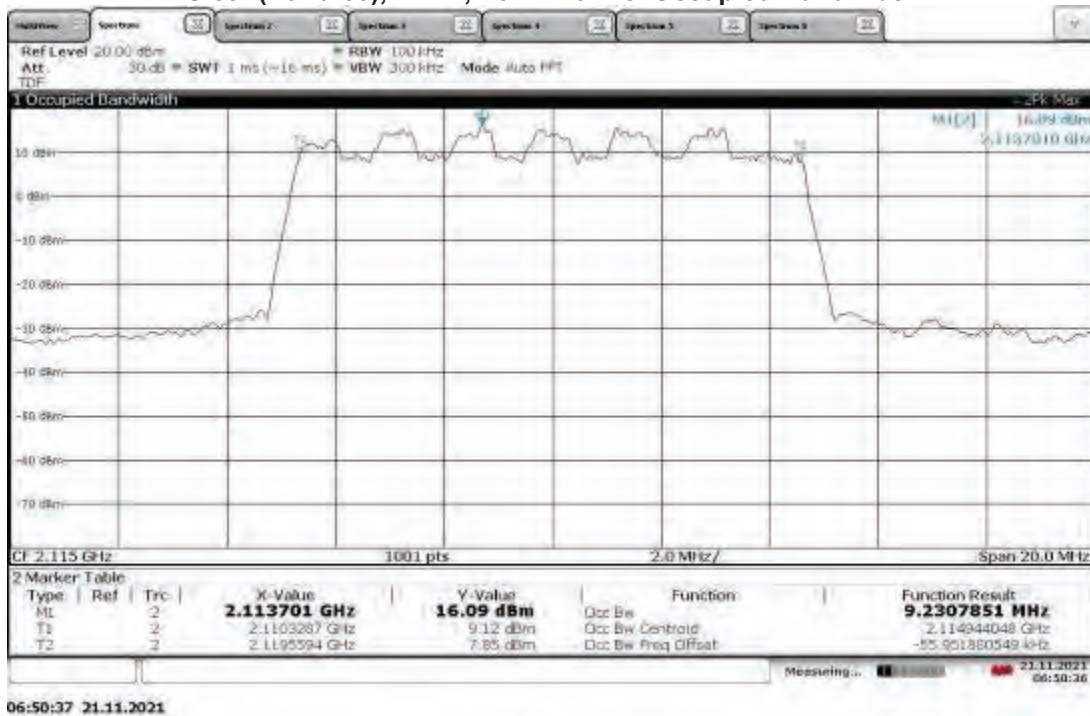
**TM3.2-16QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel Occupied Bandwidth**



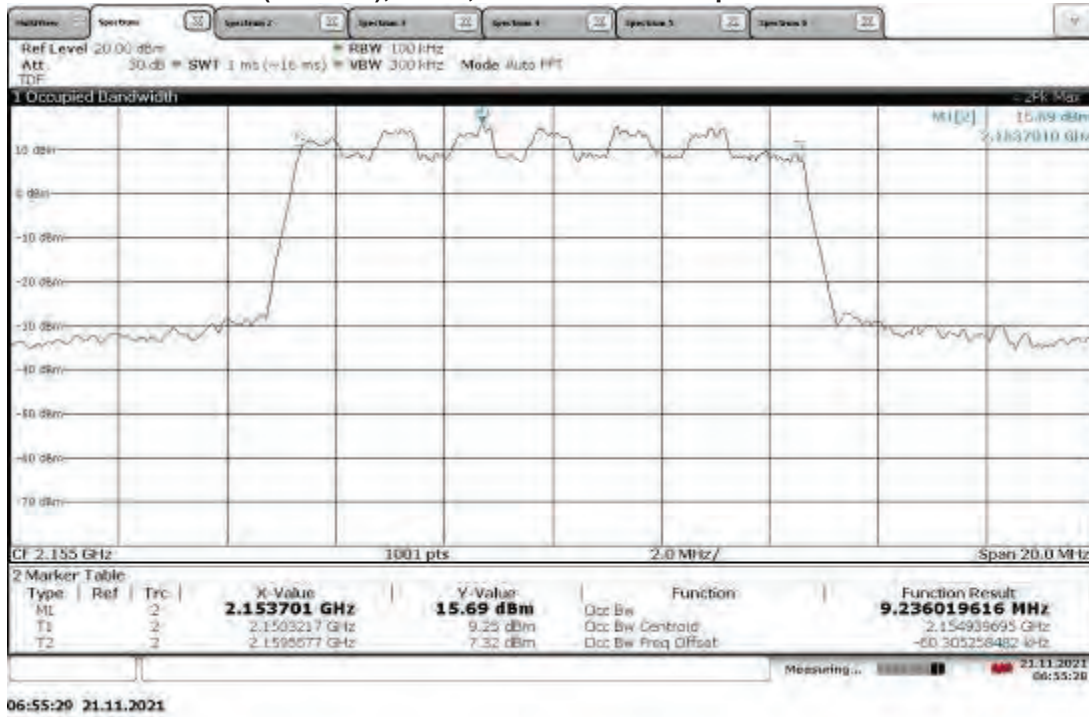
**TM3.2-16QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel Occupied Bandwidth**



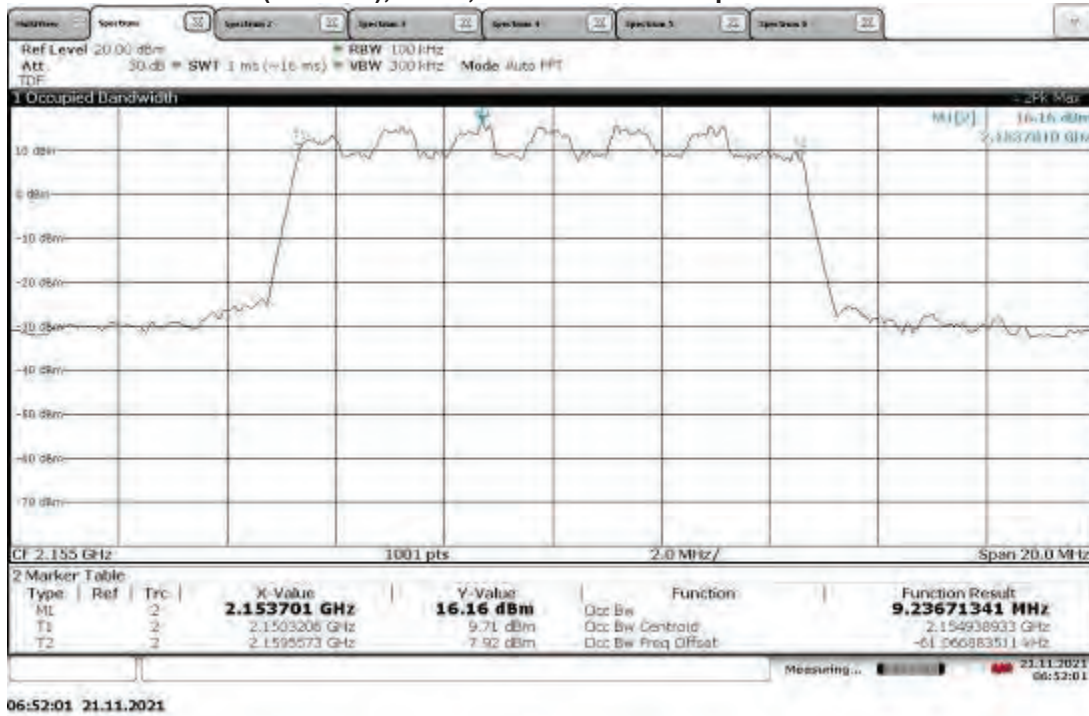
**TM3.2-16QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel Occupied Bandwidth**



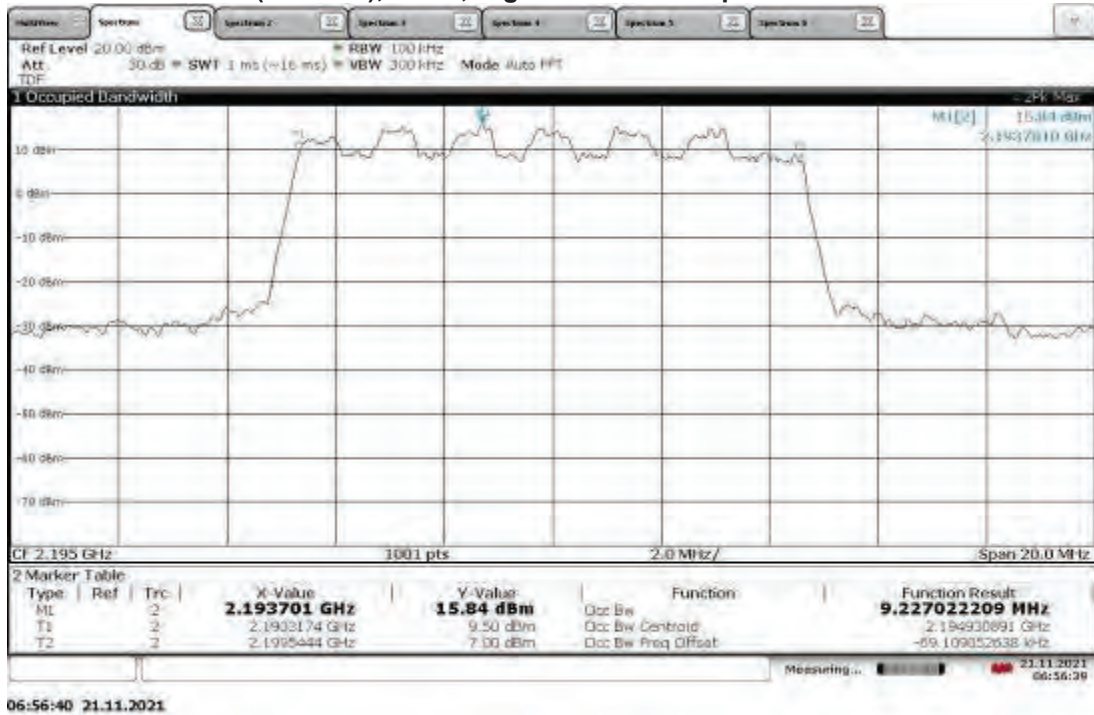
**TM3.2-16QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel Occupied Bandwidth**



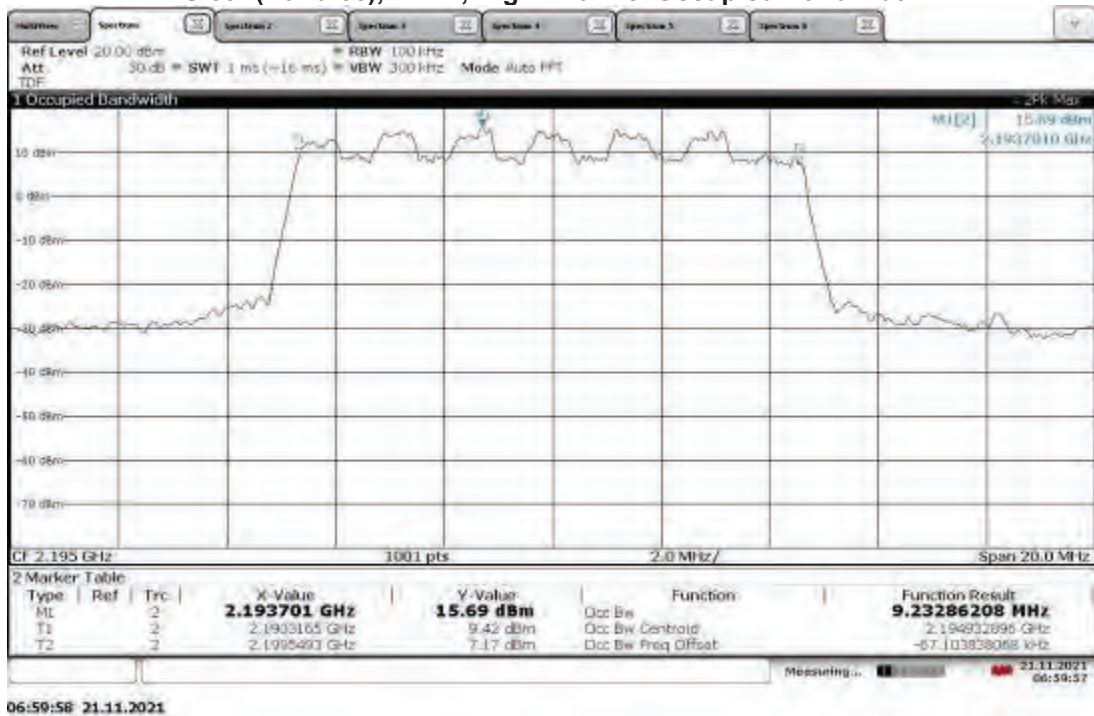
**TM3.2-16QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel Occupied Bandwidth**



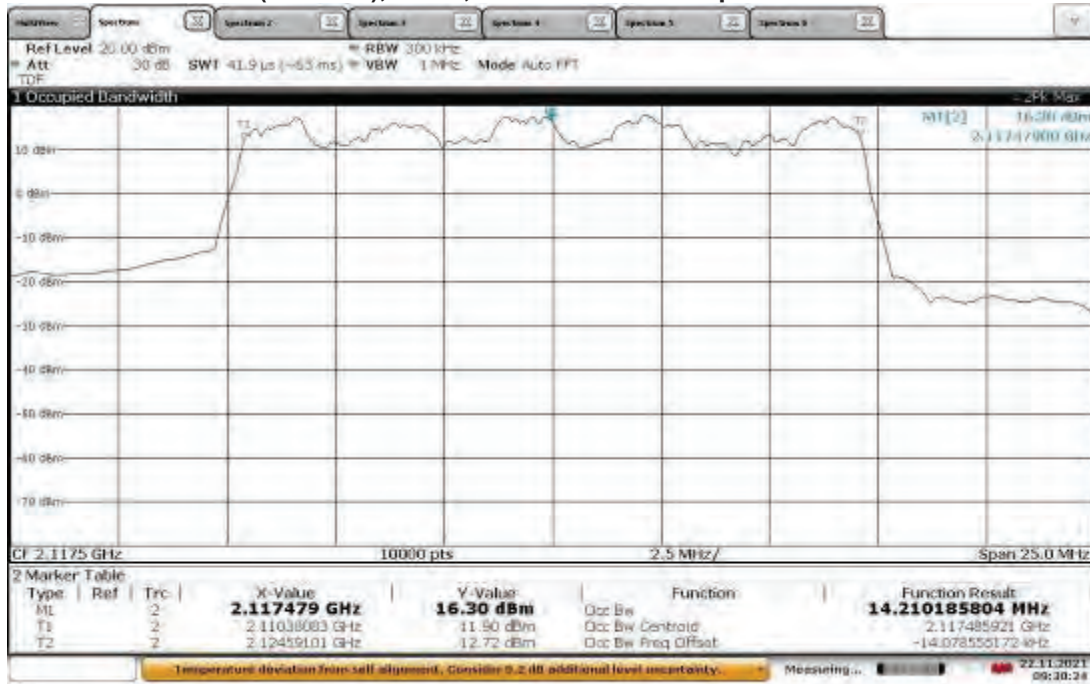
**TM3.2-16QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel Occupied Bandwidth**



**TM3.2-16QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel Occupied Bandwidth**

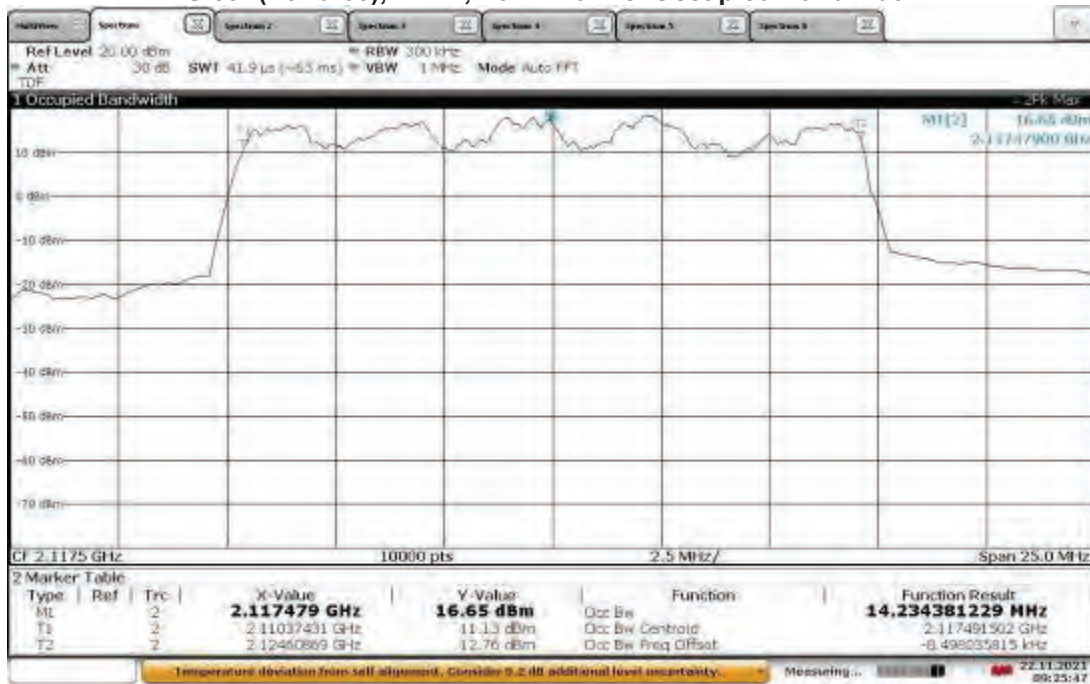


**TM3.2-16QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel Occupied Bandwidth**



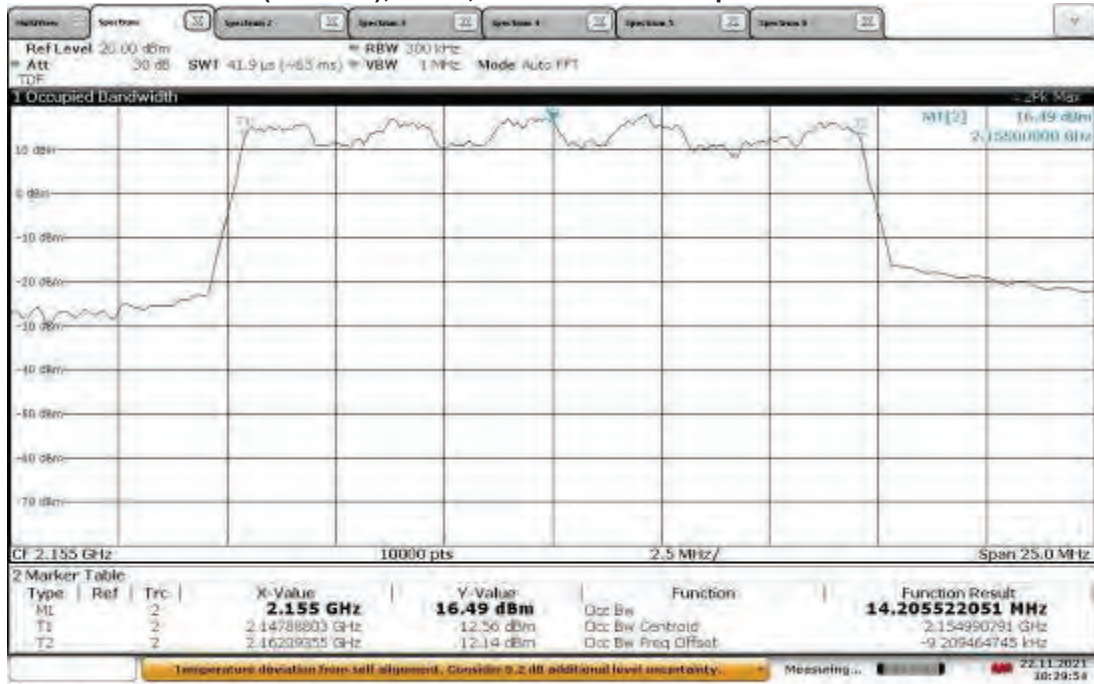
09:30:24 22.11.2021

**TM3.2-16QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel Occupied Bandwidth**



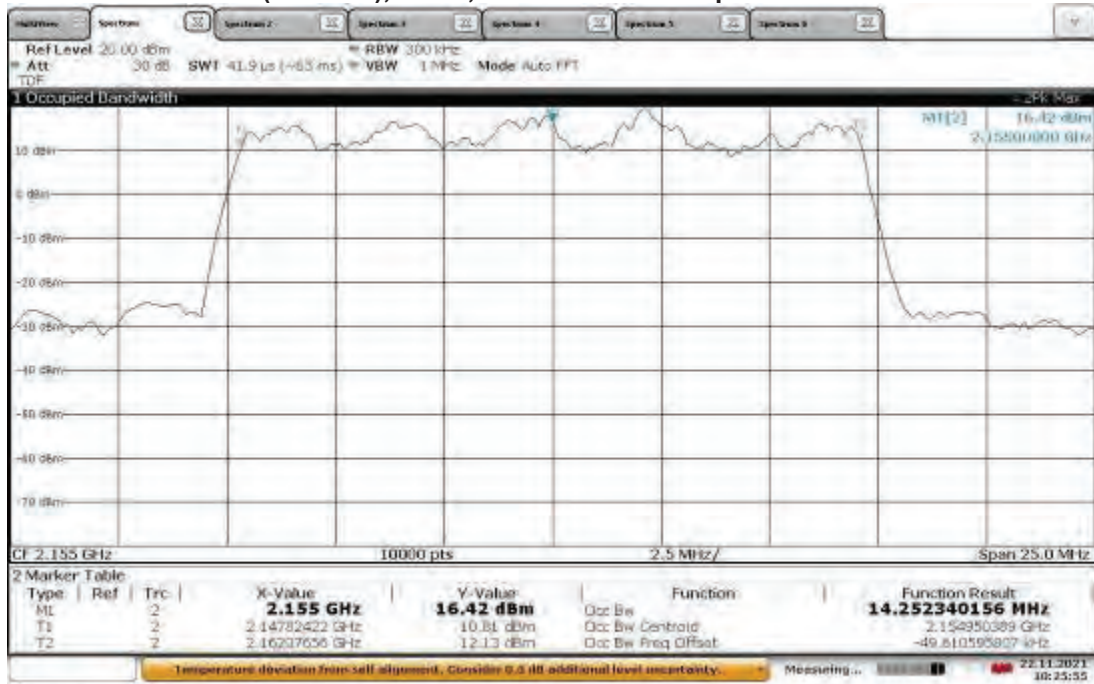
09:25:47 22.11.2021

**TM3.2-16QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel Occupied Bandwidth**



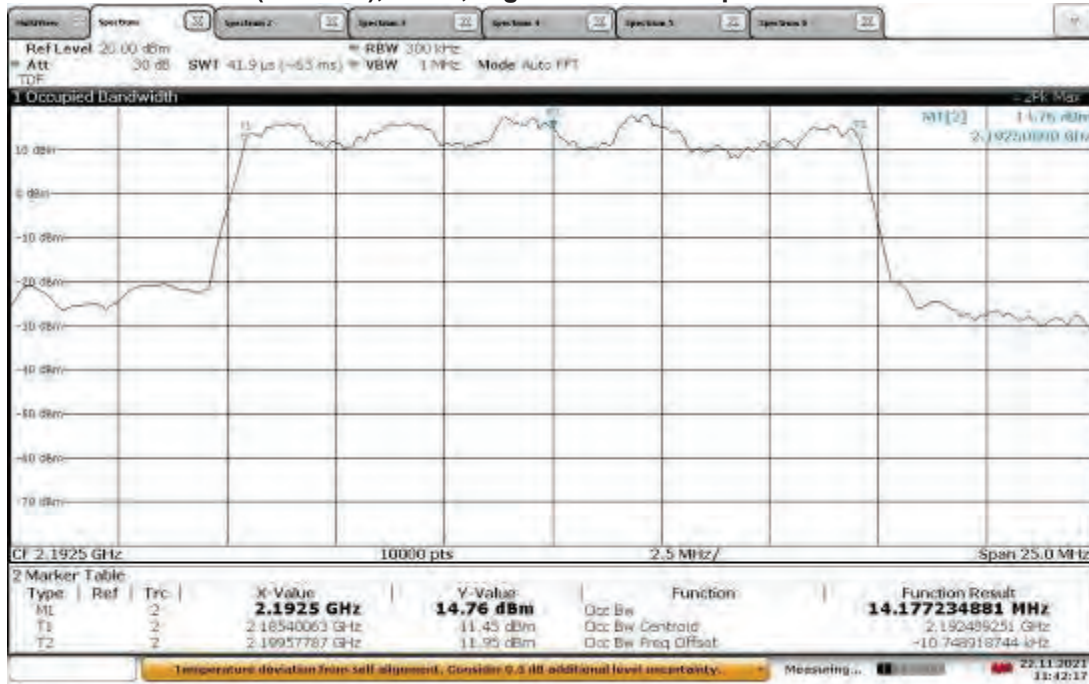
10:29:55 22.11.2021

**TM3.2-16QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel Occupied Bandwidth**



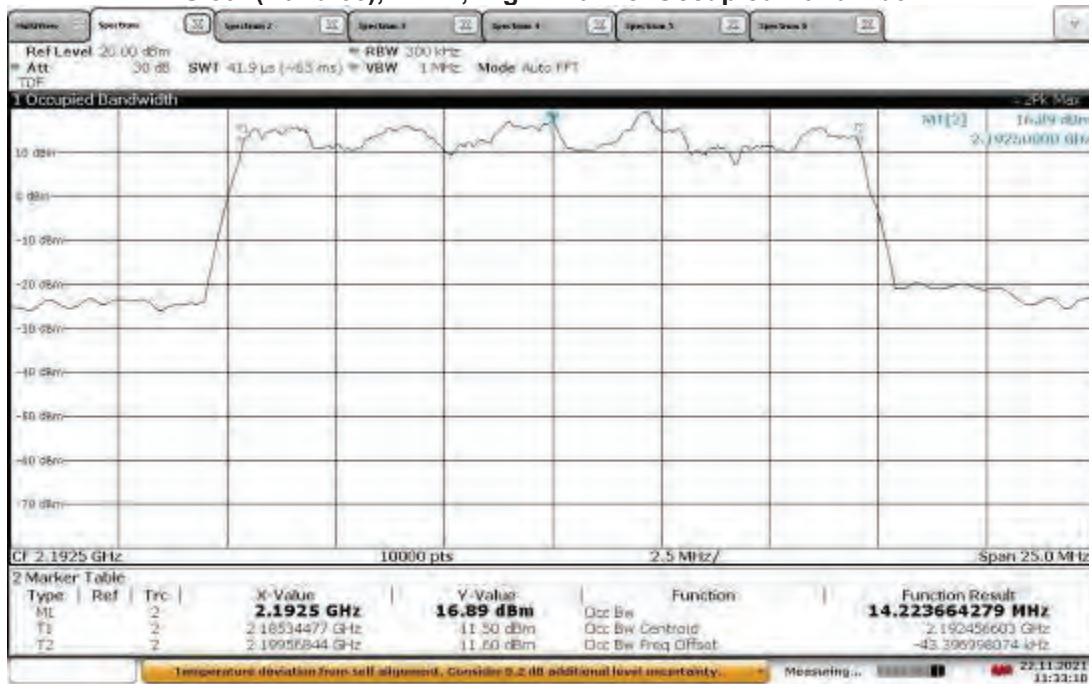
10:25:55 22.11.2021

**TM3.2-16QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel Occupied Bandwidth**



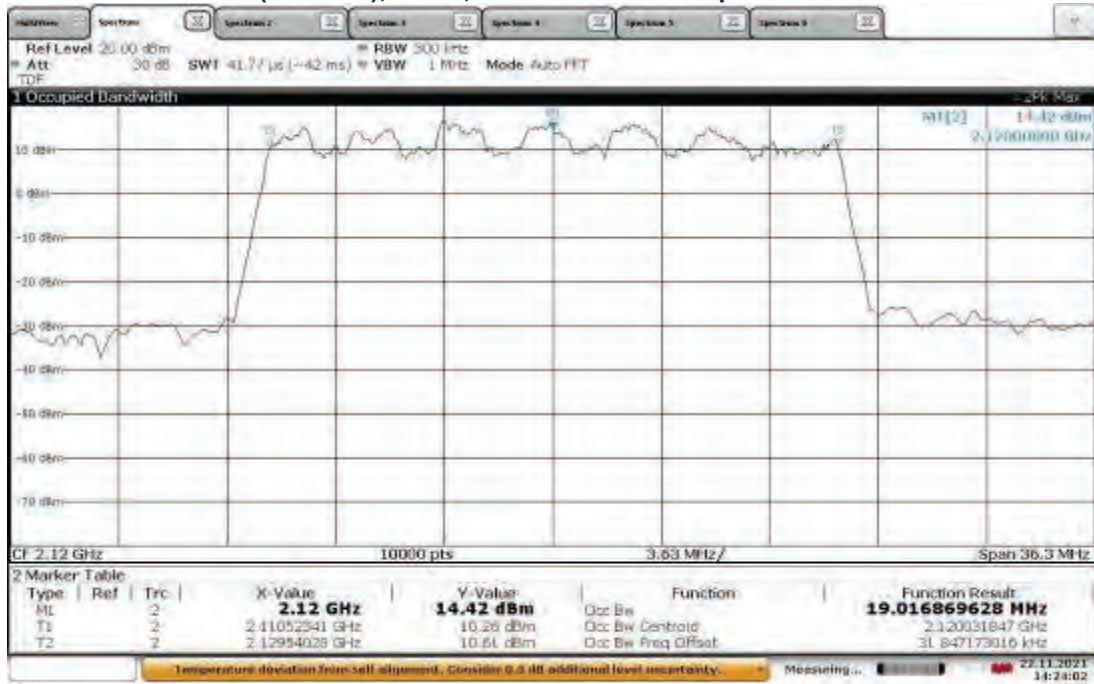
11:42:17 22.11.2021

**TM3.2-16QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel Occupied Bandwidth**



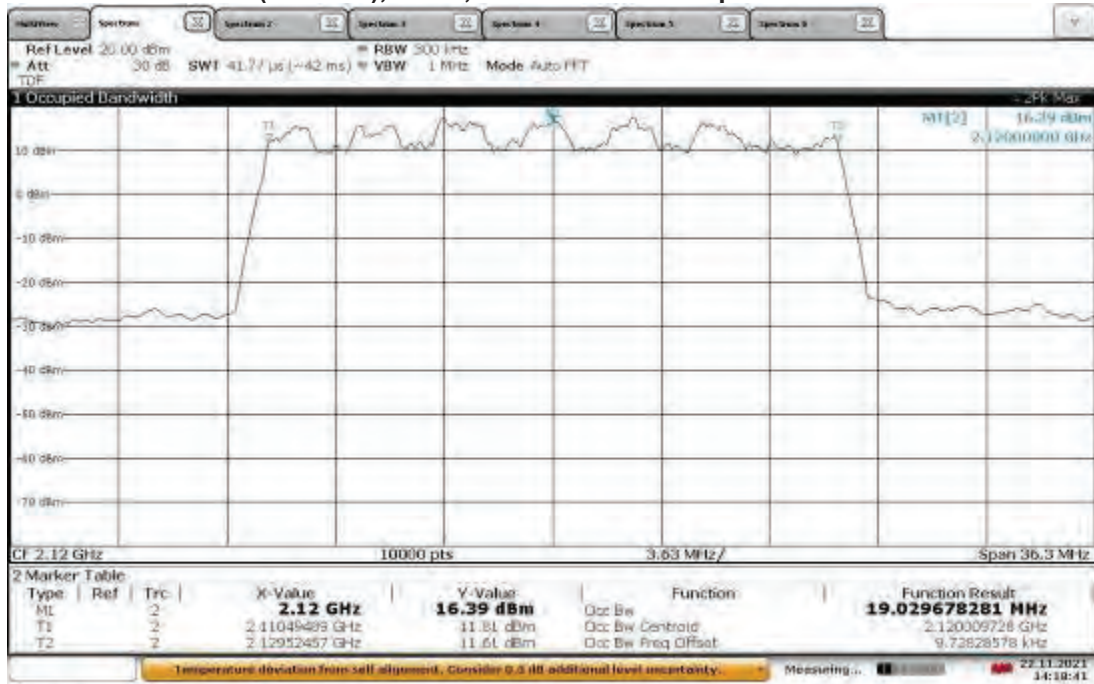
11:43:11 22.11.2021

**TM3.2-16QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel Occupied Bandwidth**



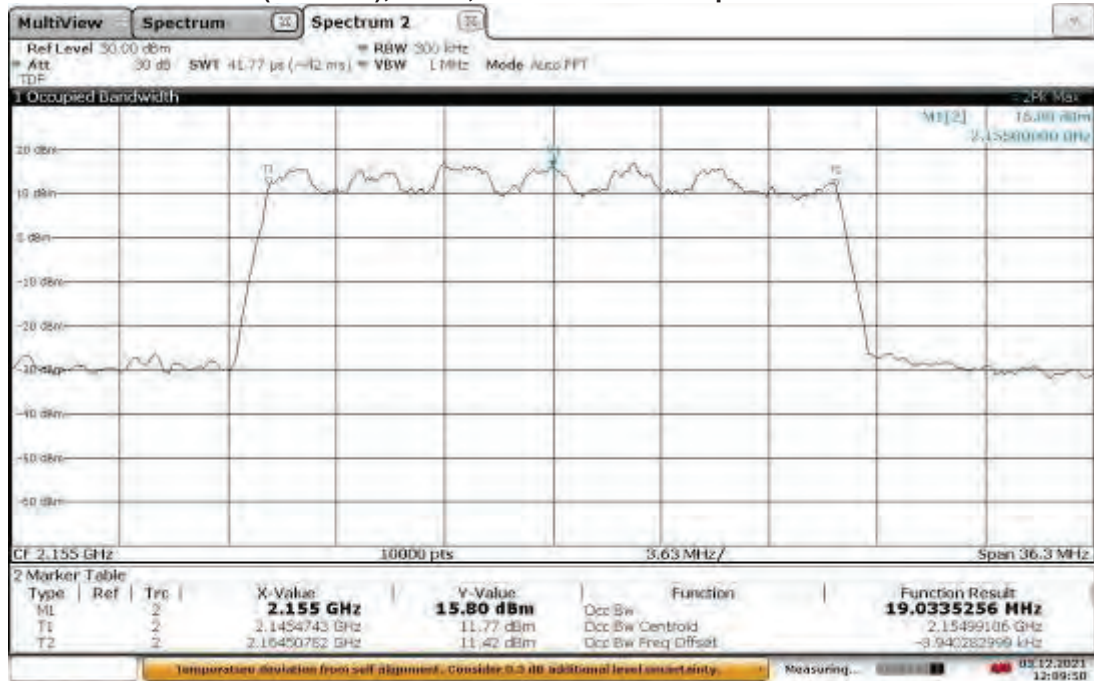
14:24:02 22.11.2021

**TM3.2-16QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel Occupied Bandwidth**



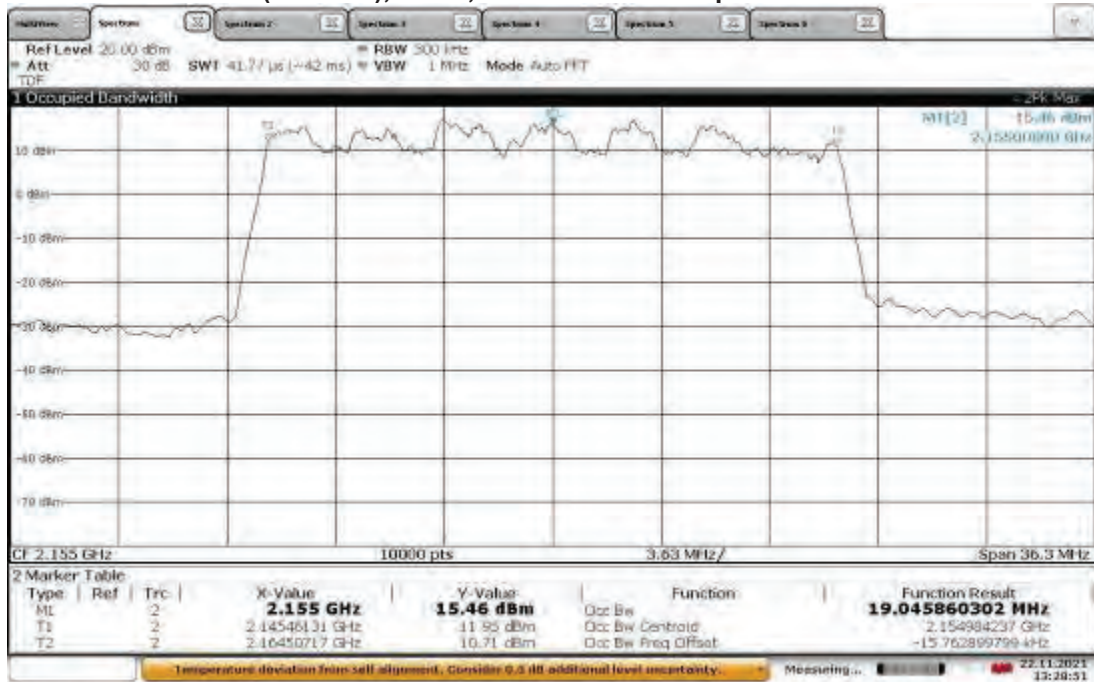
14:18:41 22.11.2021

TM3.2-16QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel Occupied Bandwidth



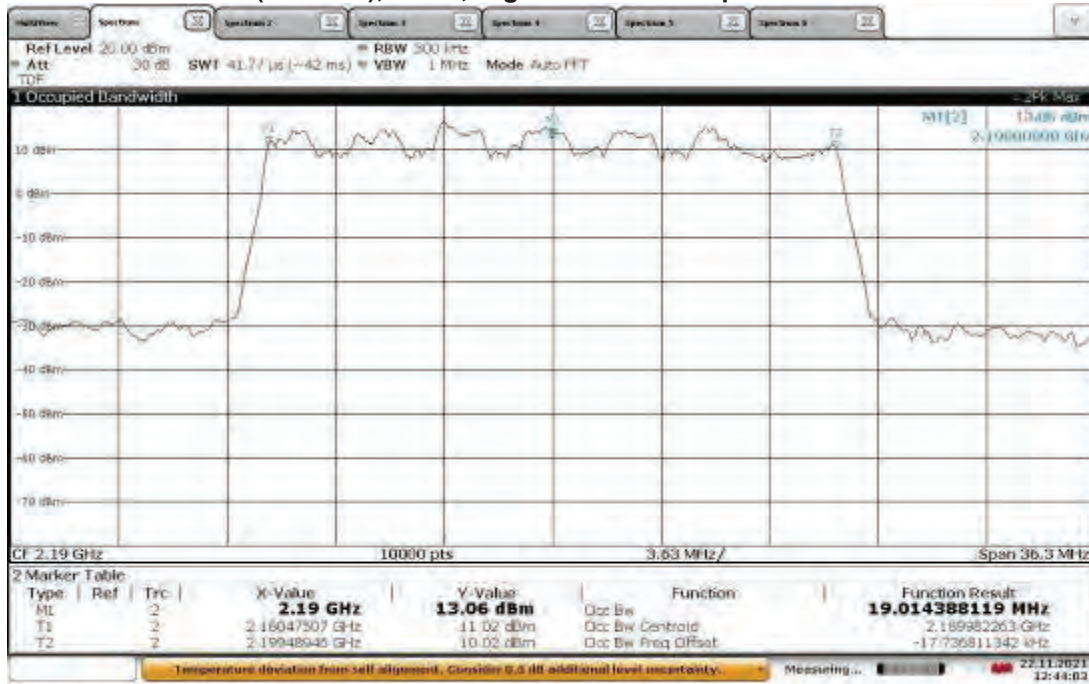
12:09:50 03.12.2021

TM3.2-16QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel Occupied Bandwidth



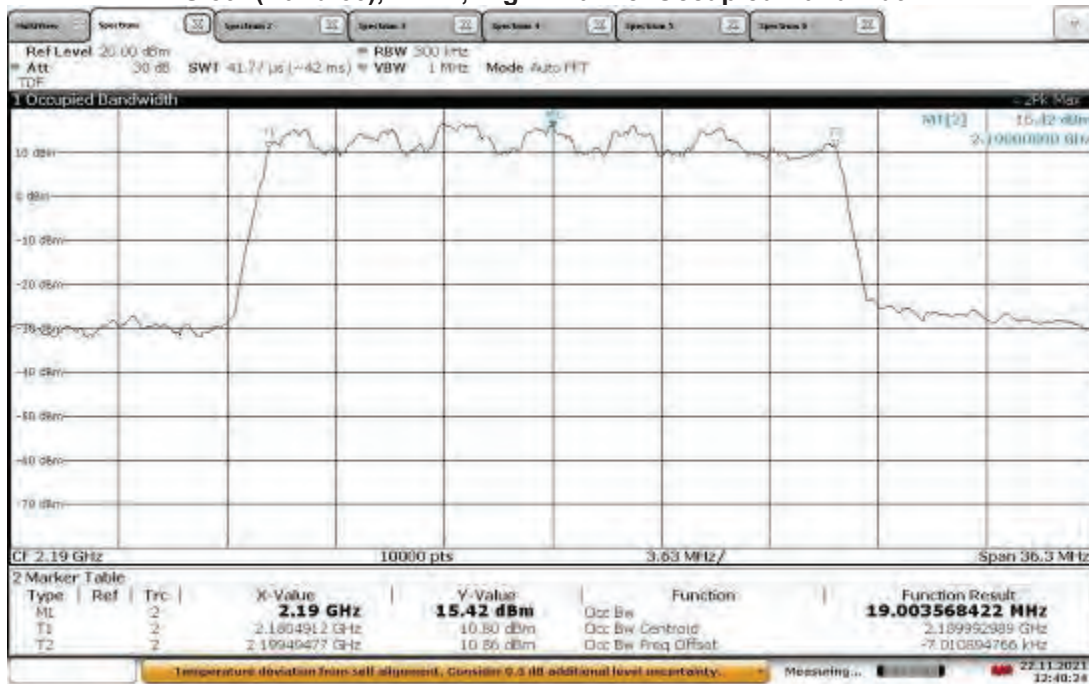
13:28:52 22.11.2021

**TM3.2-16QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel Occupied Bandwidth**



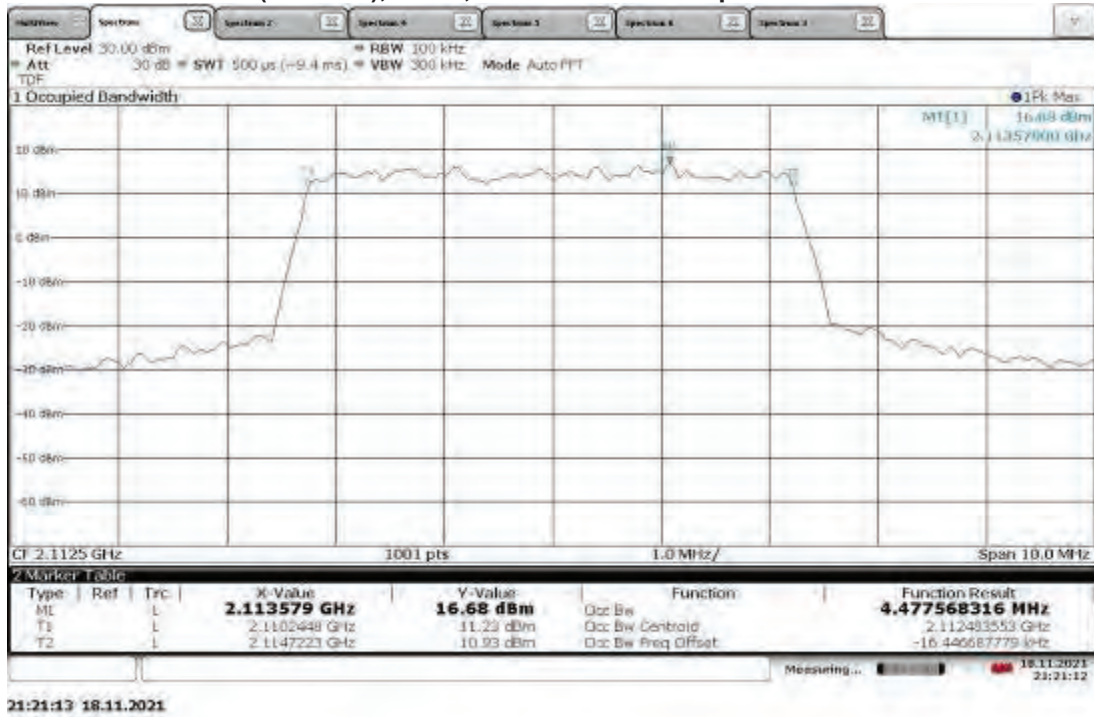
12:44:03 22.11.2021

**TM3.2-16QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel Occupied Bandwidth**

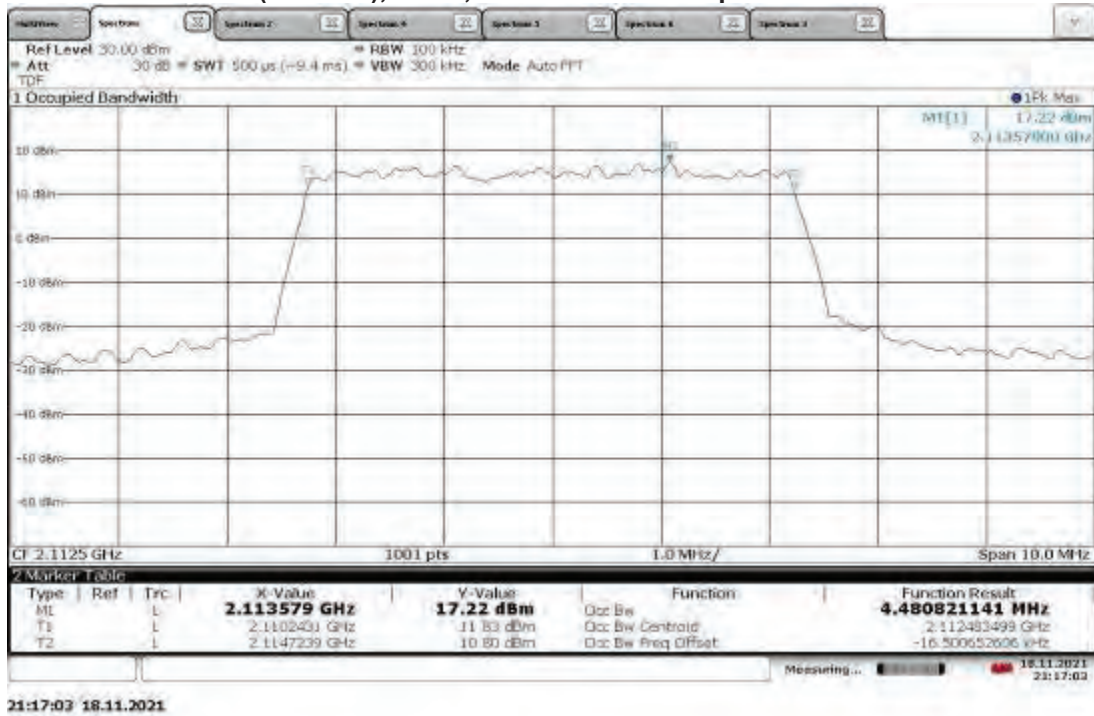


12:40:24 22.11.2021

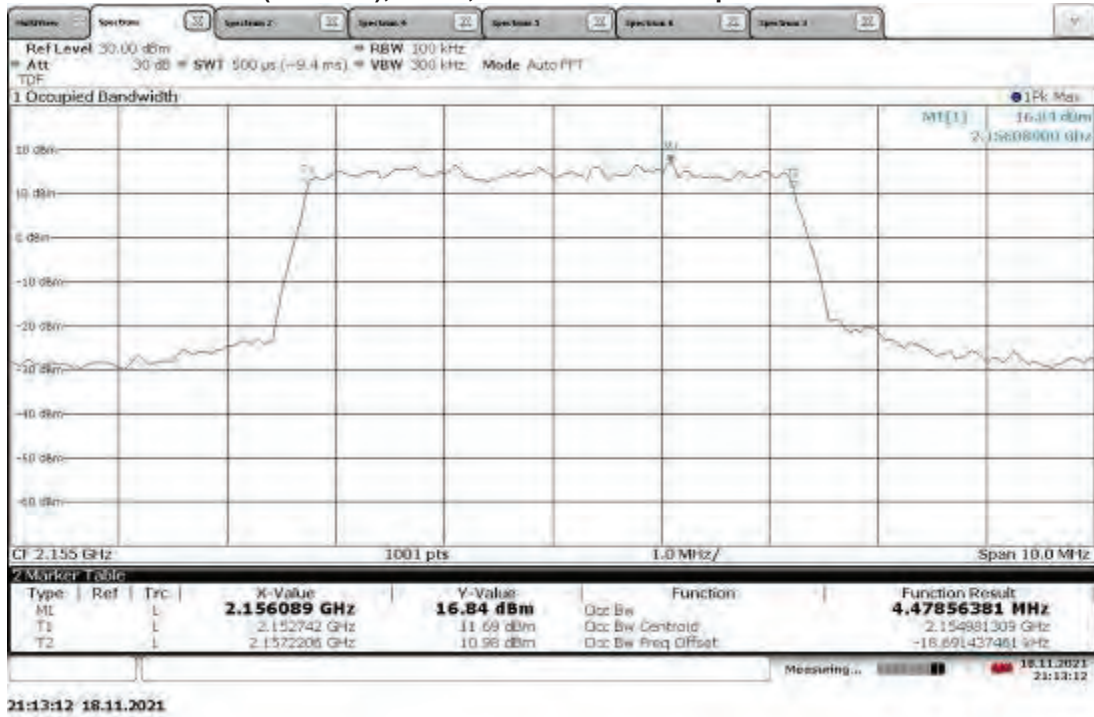
TM3.1-64QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel Occupied Bandwidth



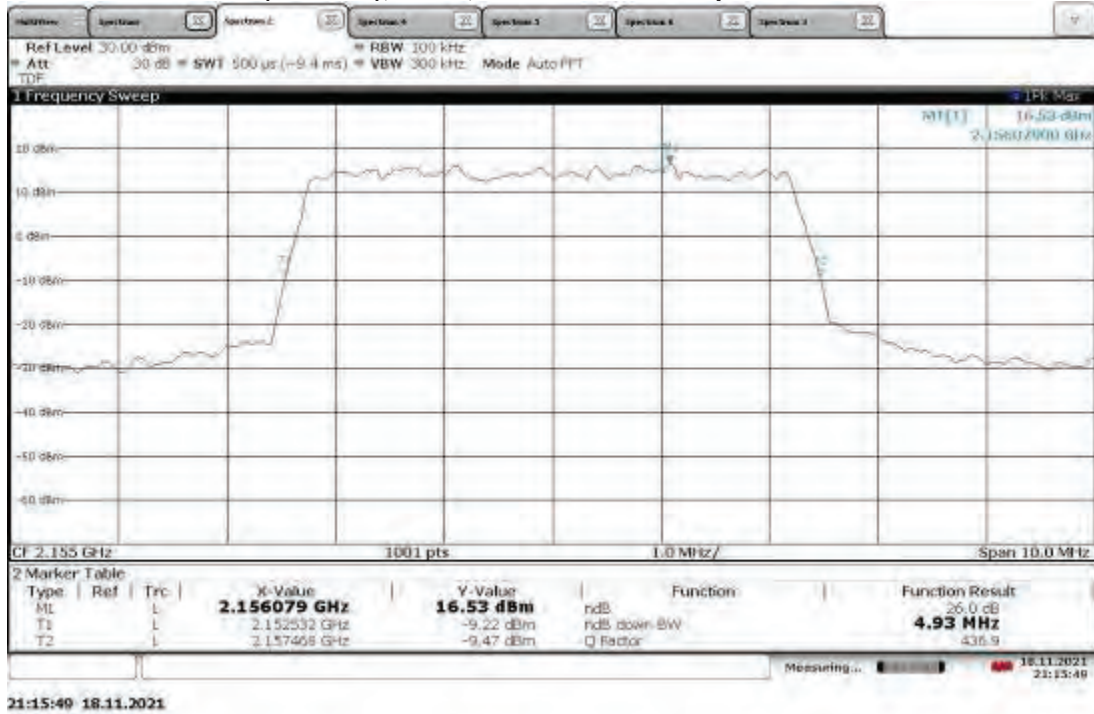
TM3.1-64QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel Occupied Bandwidth



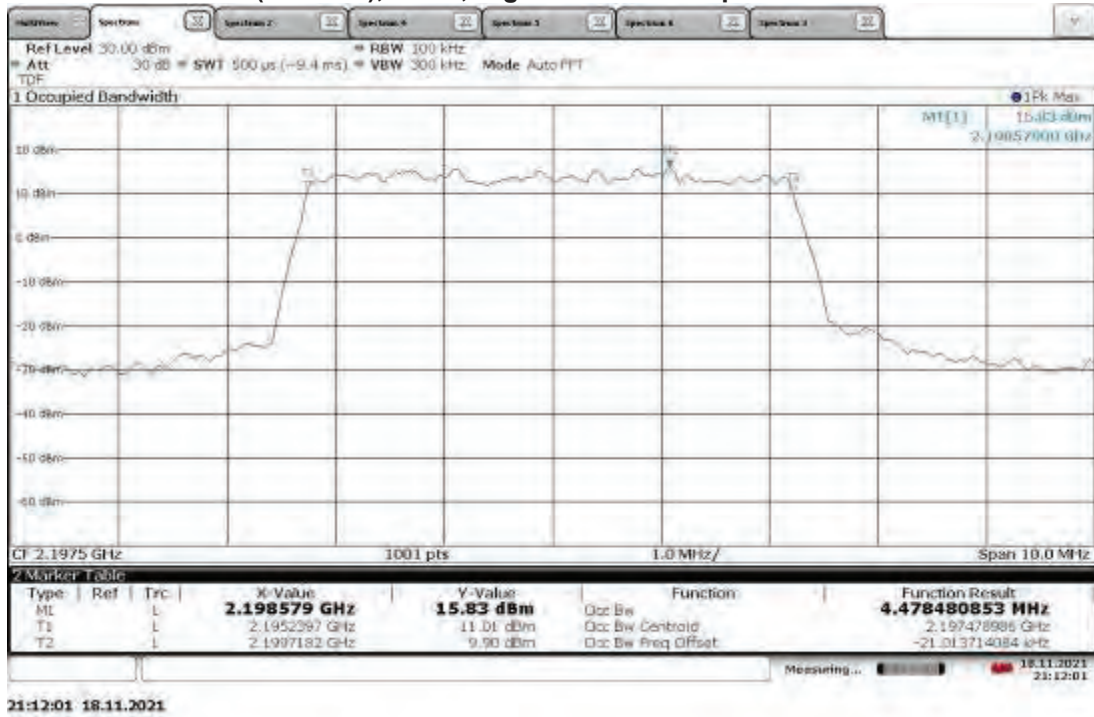
TM3.1-64QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel Occupied Bandwidth



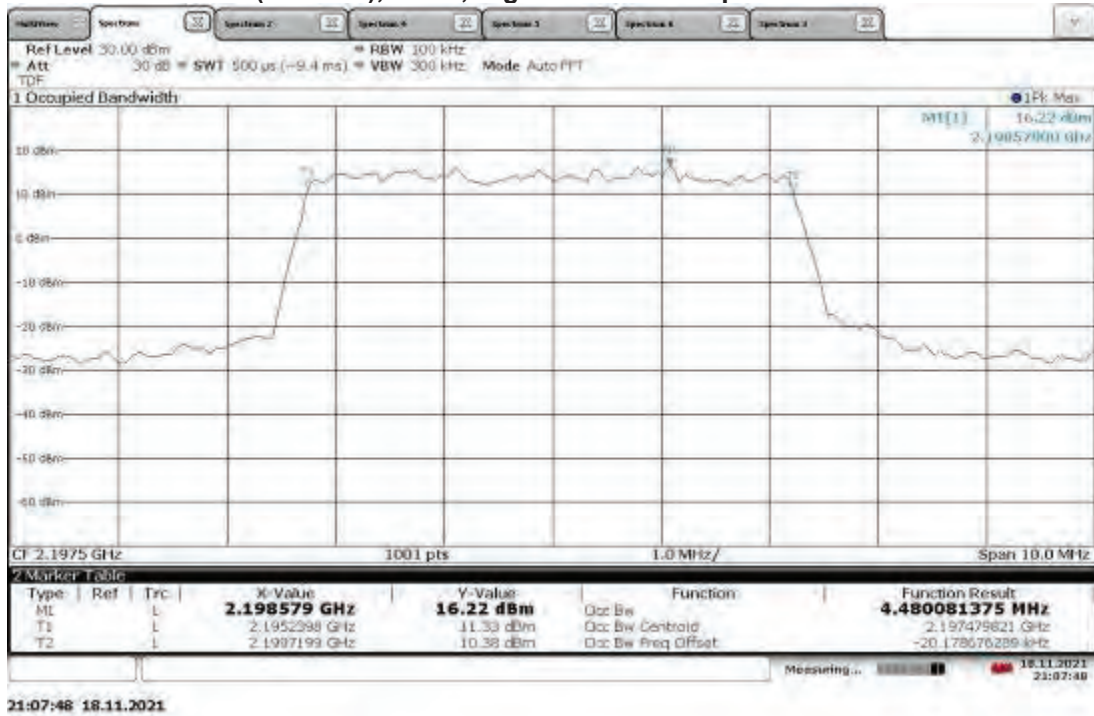
TM3.1-64QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel Occupied Bandwidth



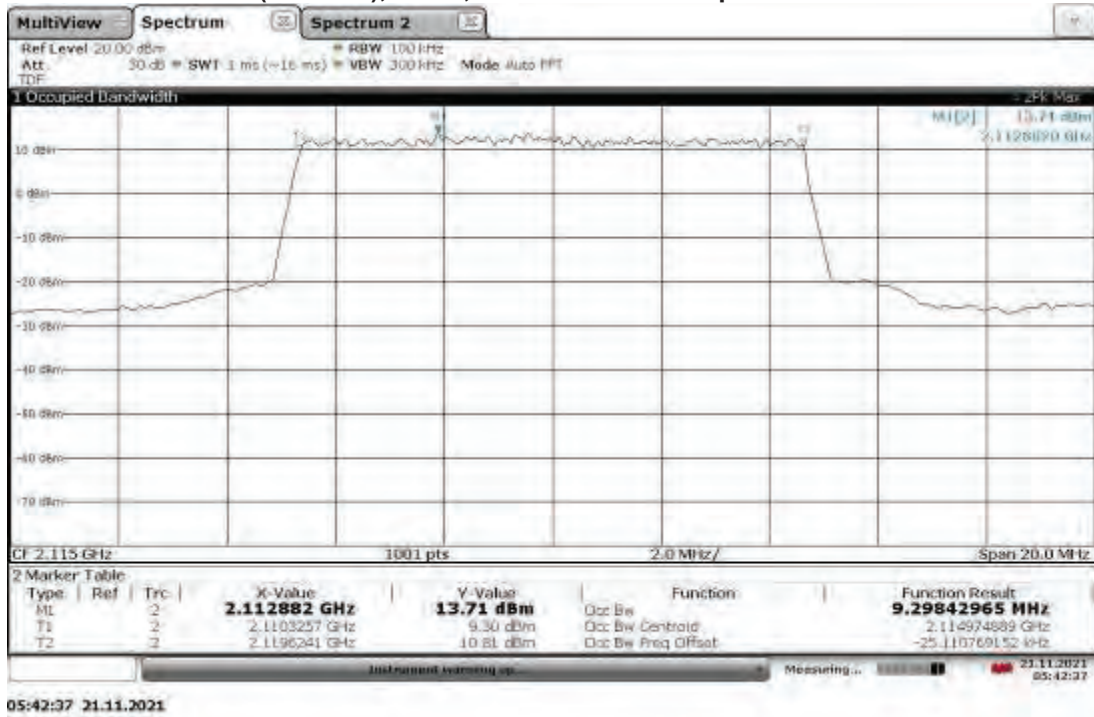
**TM3.1-64QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel Occupied Bandwidth**



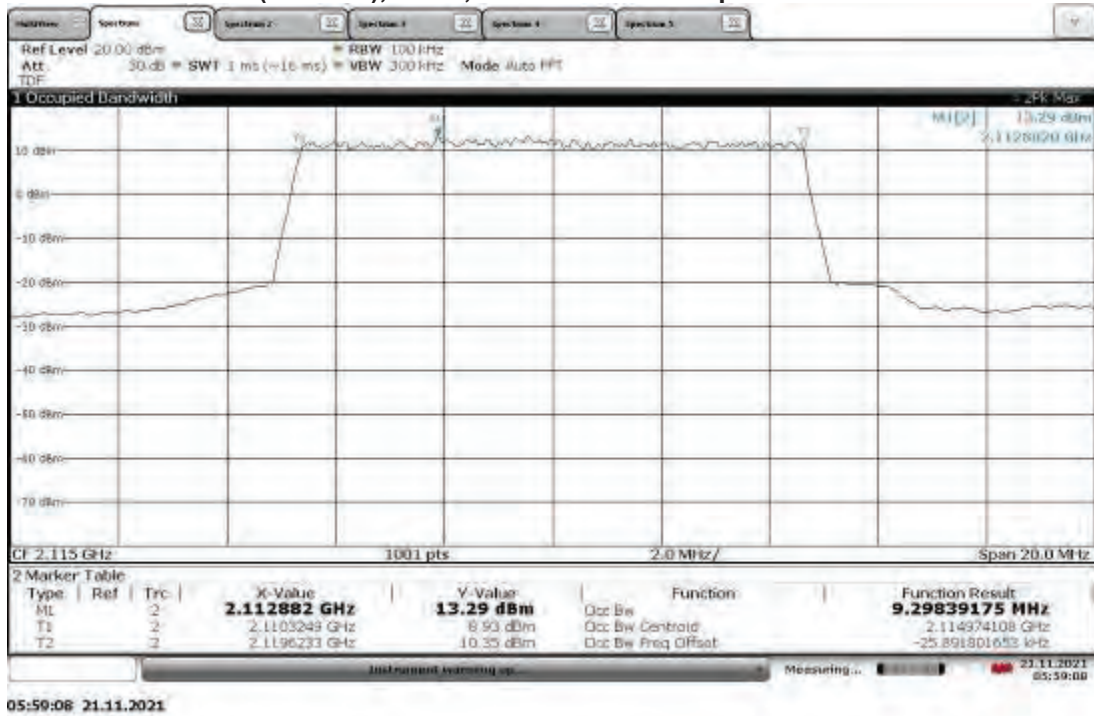
**TM3.1-64QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel Occupied Bandwidth**



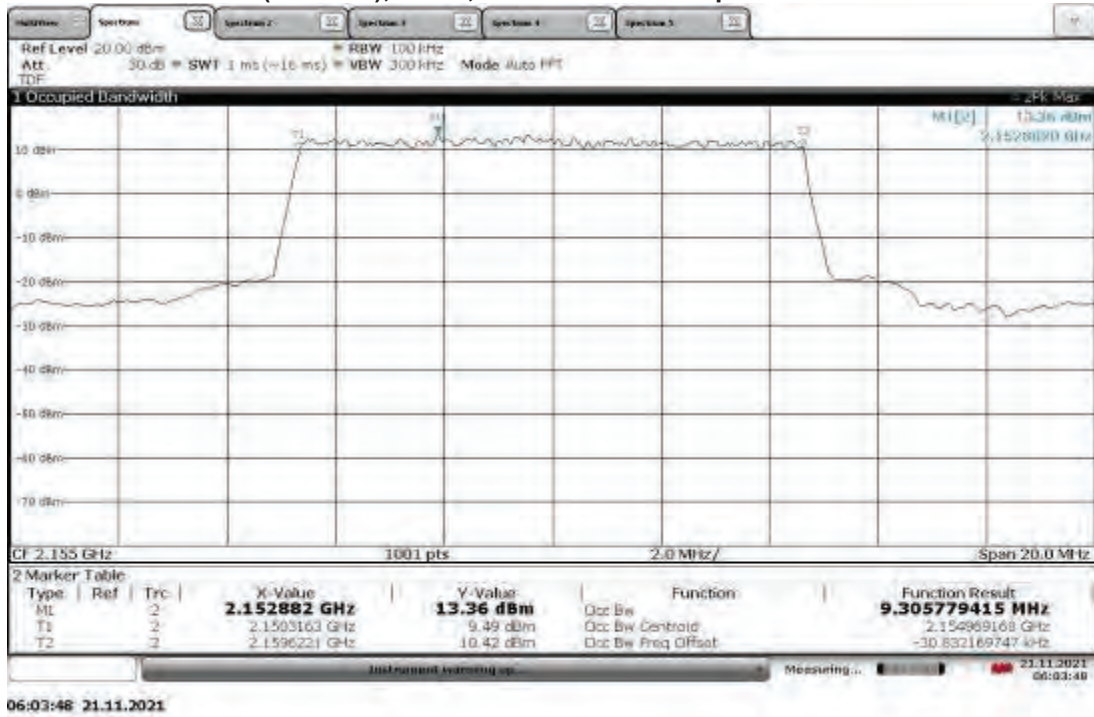
**TM3.1-64QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel Occupied Bandwidth**



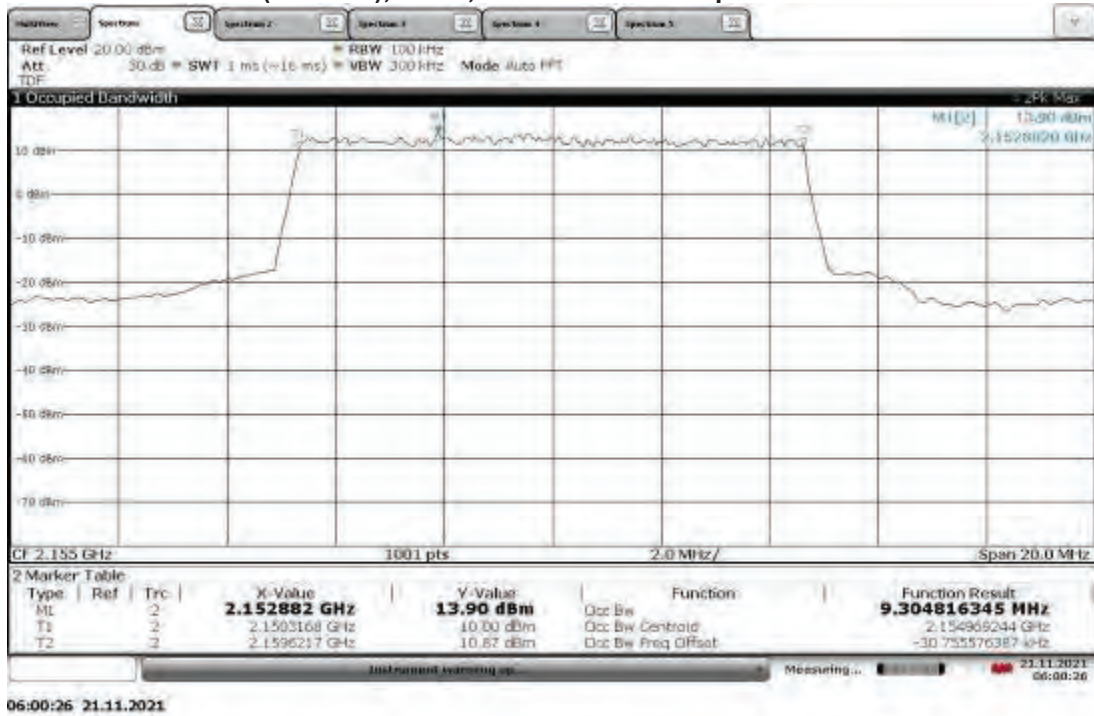
**TM3.1-64QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel Occupied Bandwidth**



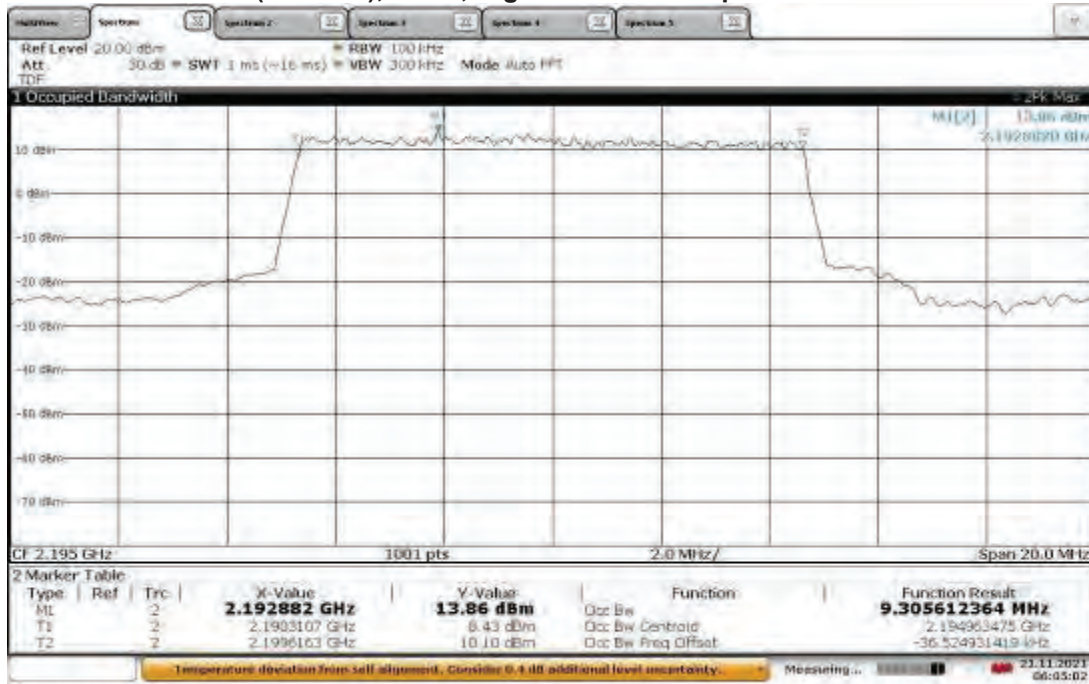
**TM3.1-64QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel Occupied Bandwidth**



**TM3.1-64QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel Occupied Bandwidth**

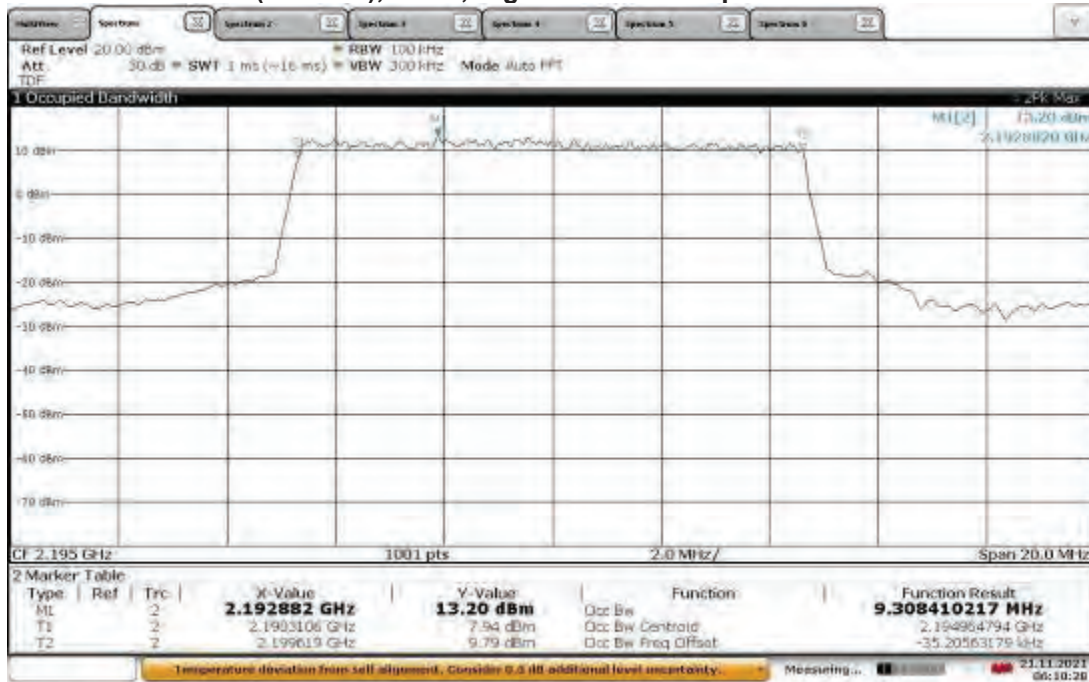


**TM3.1-64QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel Occupied Bandwidth**



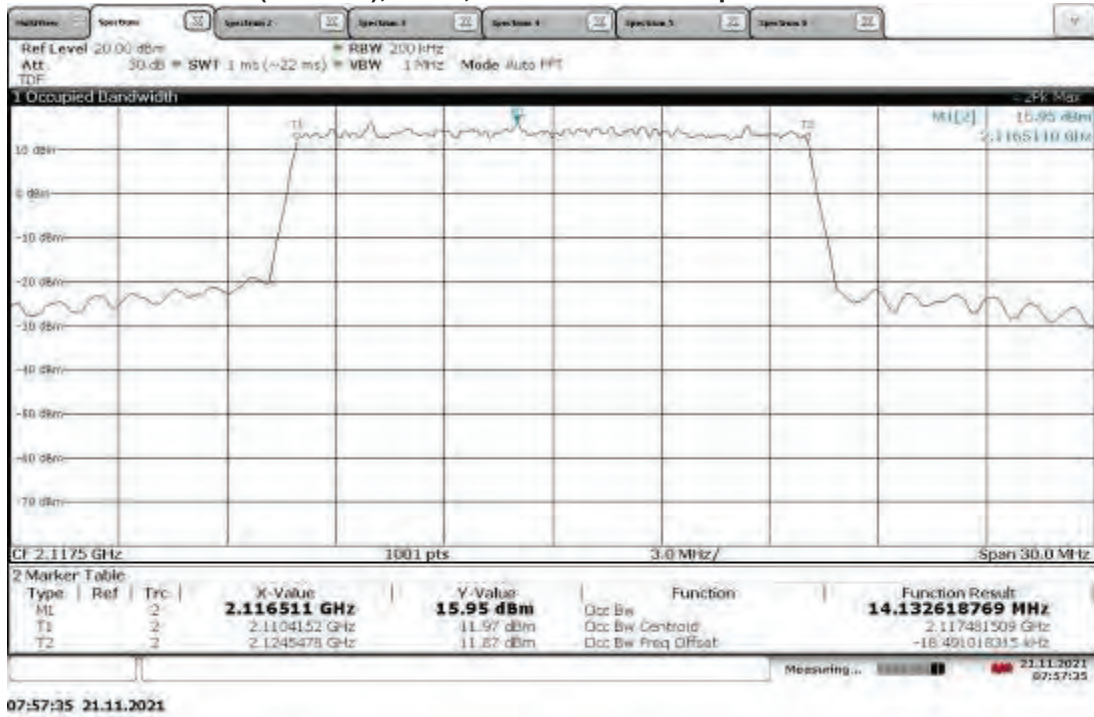
06:05:02 21.11.2021

**TM3.1-64QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel Occupied Bandwidth**

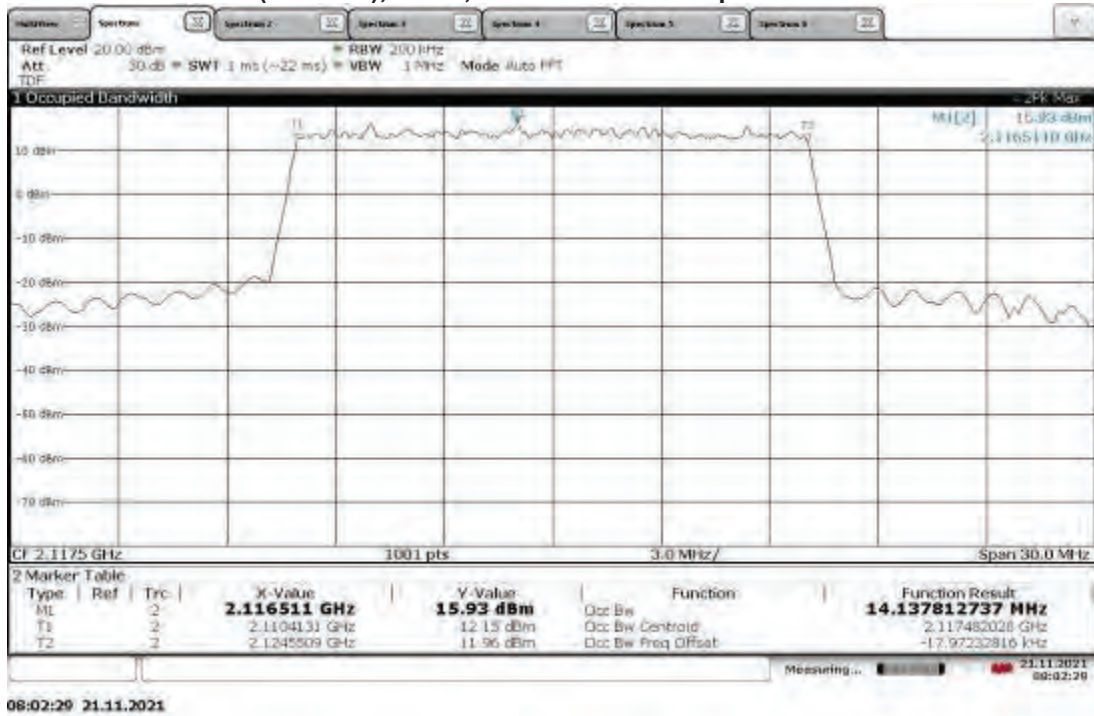


06:10:29 21.11.2021

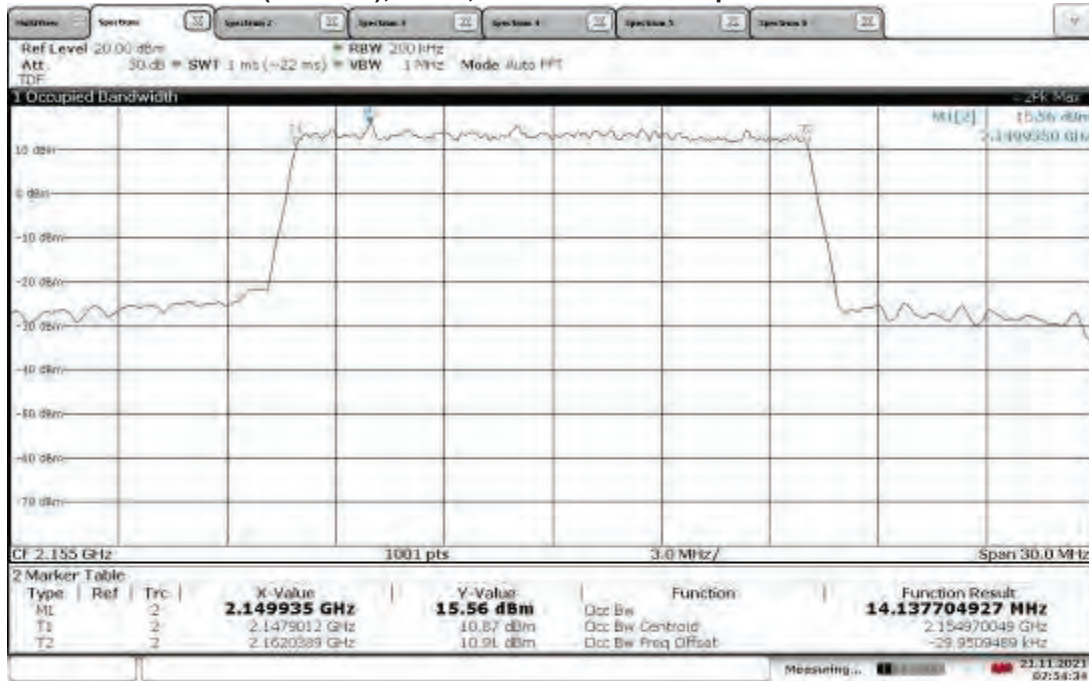
**TM3.1-64QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel Occupied Bandwidth**



**TM3.1-64QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel Occupied Bandwidth**

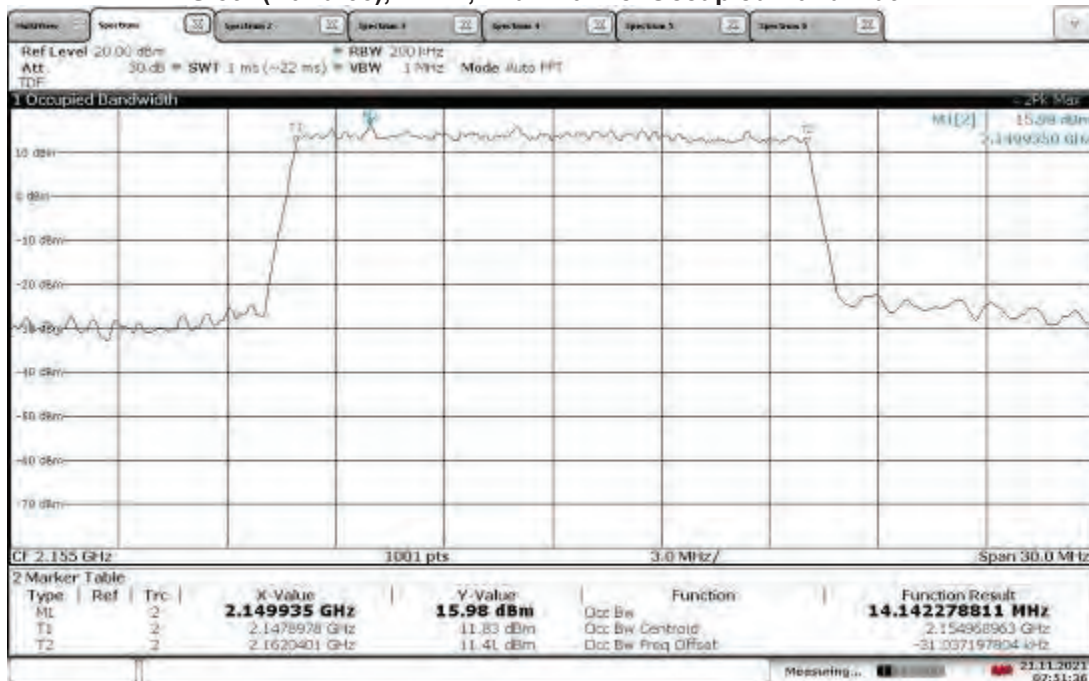


**TM3.1-64QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel Occupied Bandwidth**



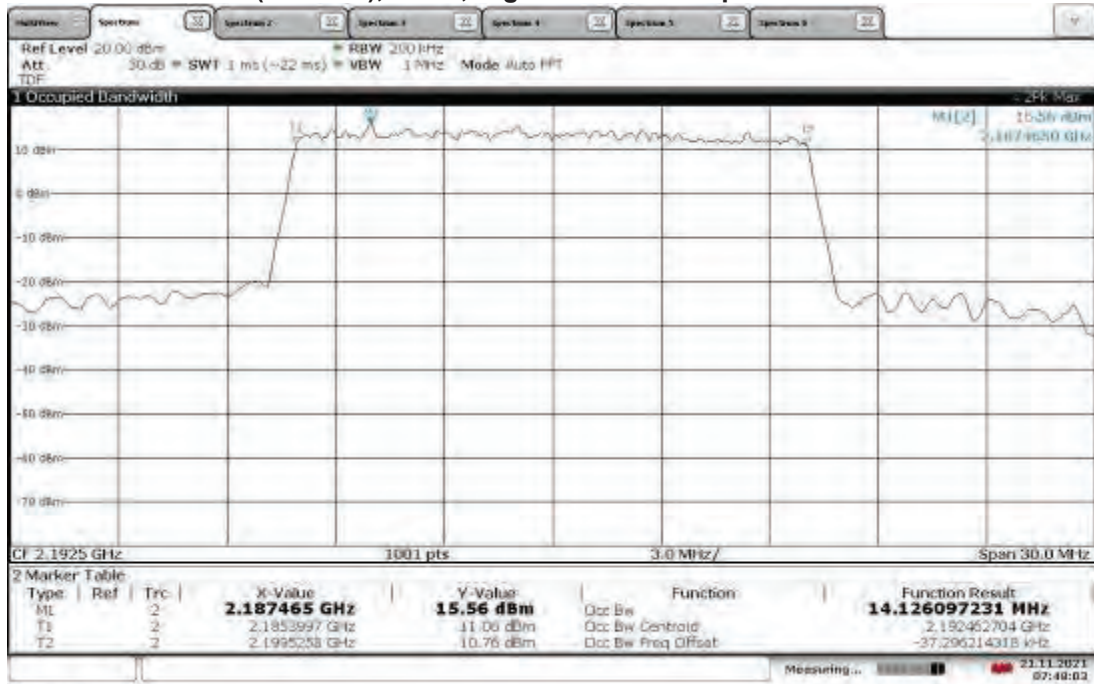
07:54:35 21.11.2021

**TM3.1-64QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel Occupied Bandwidth**



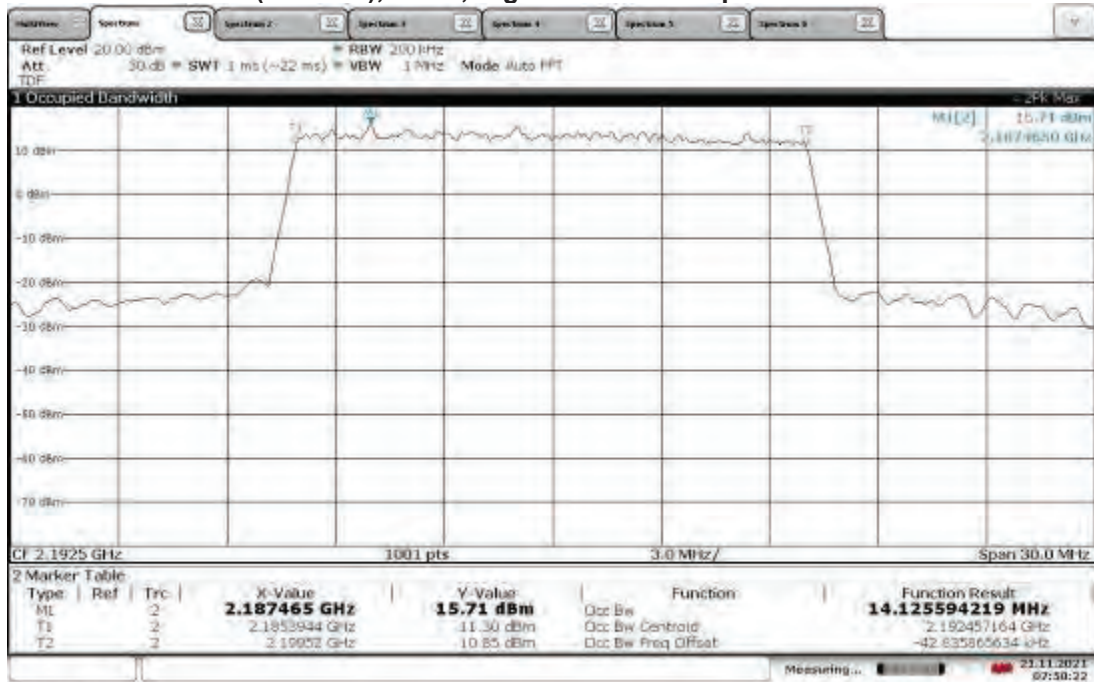
07:54:37 21.11.2021

**TM3.1-64QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel Occupied Bandwidth**



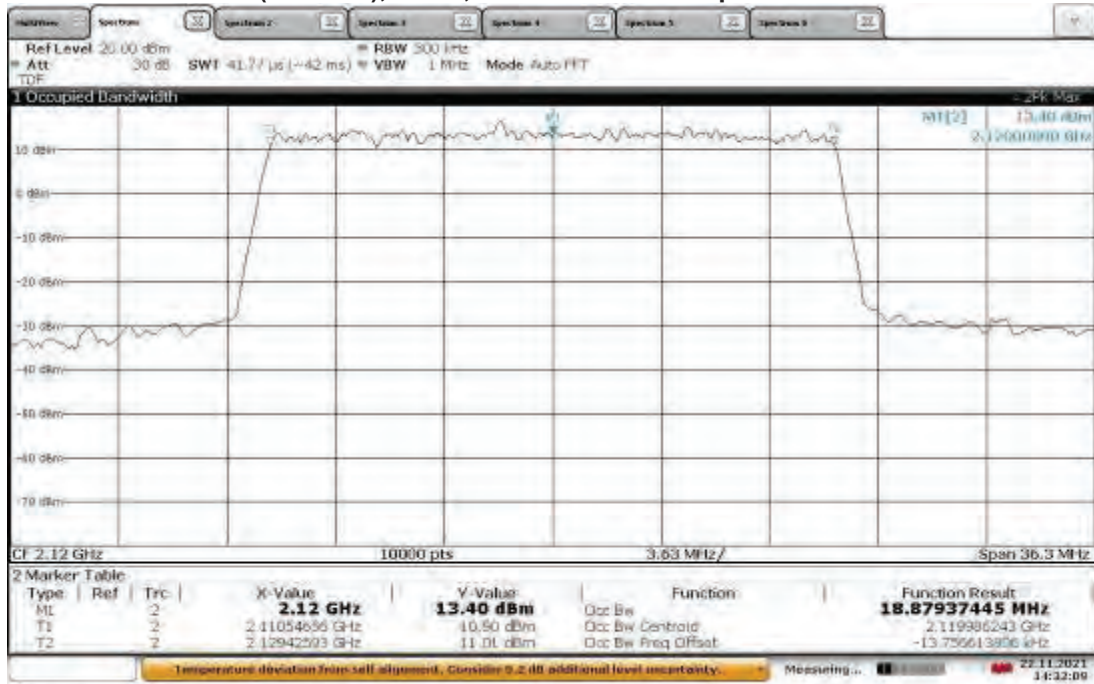
07:48:03 21.11.2021

**TM3.1-64QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel Occupied Bandwidth**



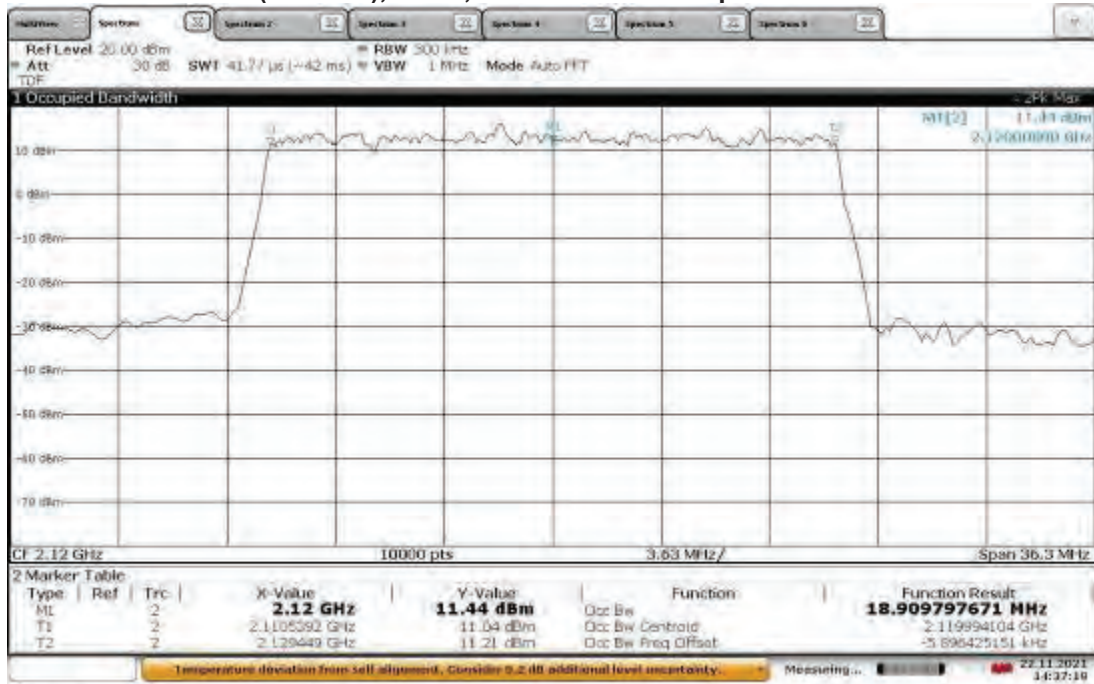
07:50:23 21.11.2021

**TM3.1-64QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel Occupied Bandwidth**



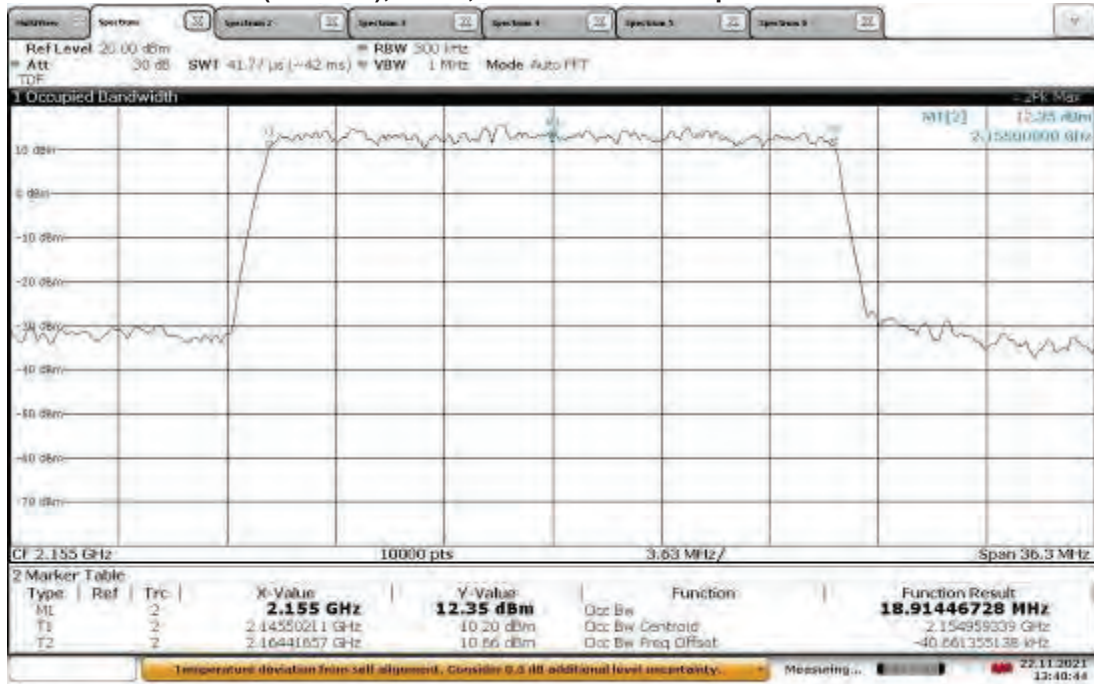
14:32:09 22.11.2021

**TM3.1-64QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel Occupied Bandwidth**



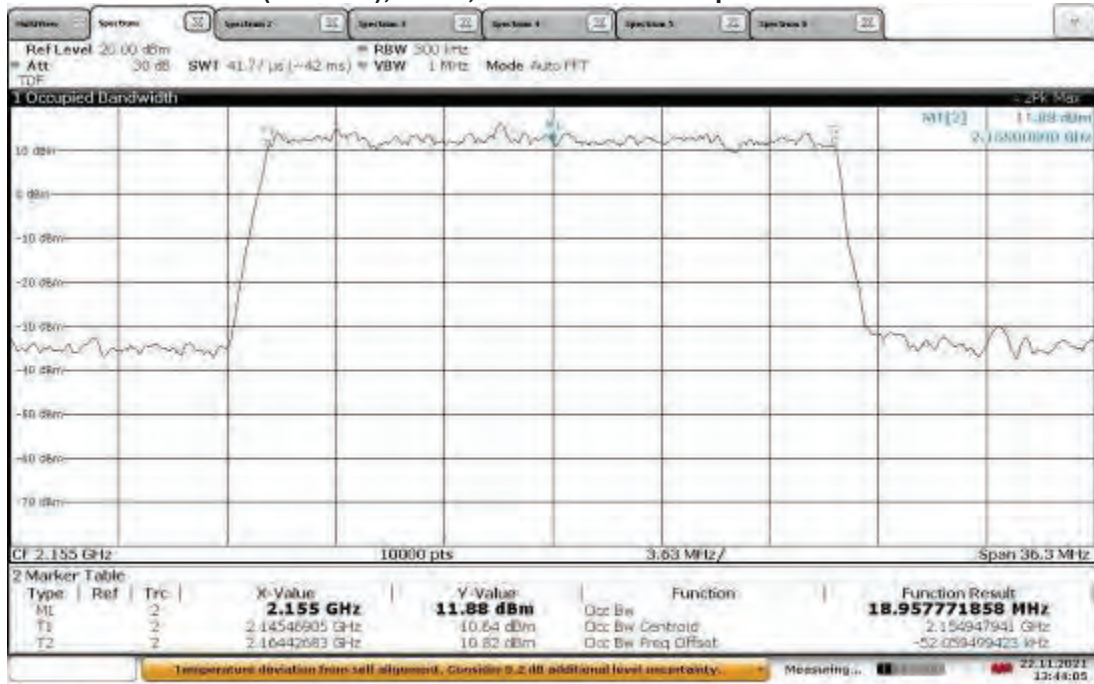
14:37:19 22.11.2021

**TM3.1-64QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel Occupied Bandwidth**



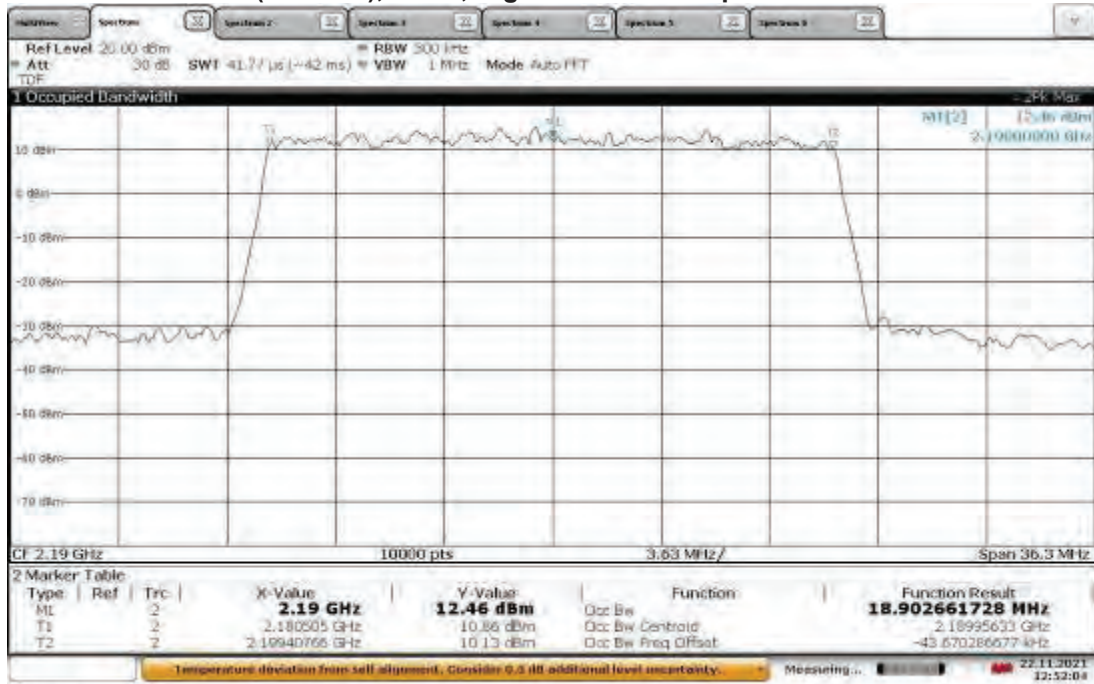
13:40:45 22.11.2021

**TM3.1-64QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel Occupied Bandwidth**



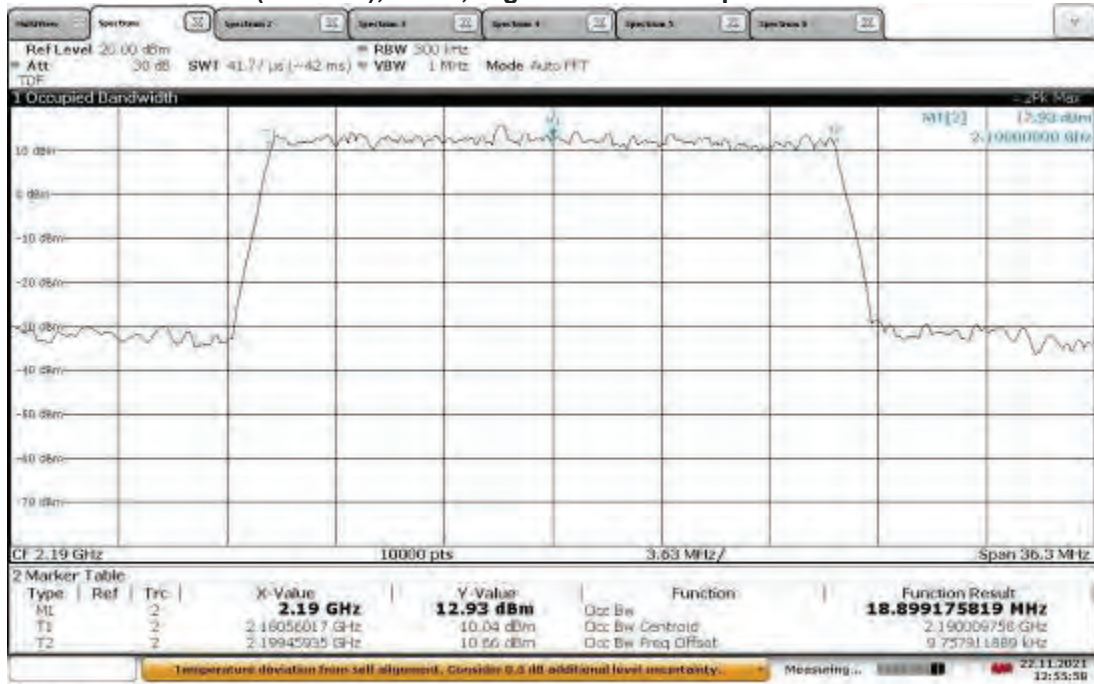
13:44:05 22.11.2021

**TM3.1-64QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel Occupied Bandwidth**



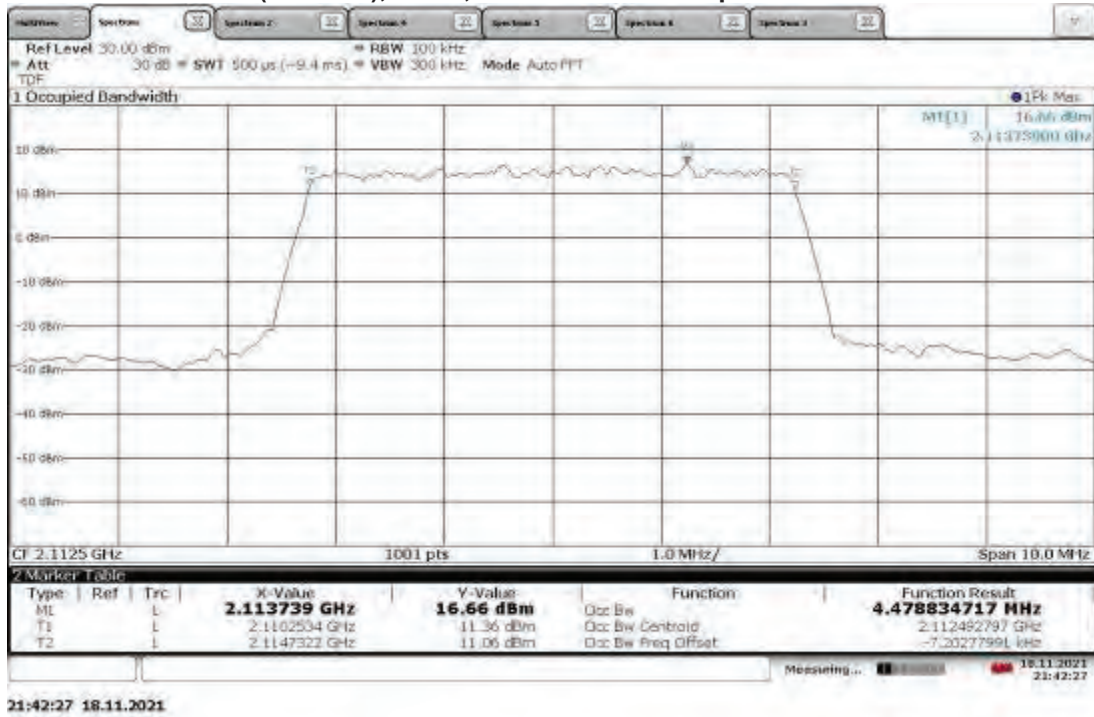
12:52:04 22.11.2021

**TM3.1-64QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel Occupied Bandwidth**

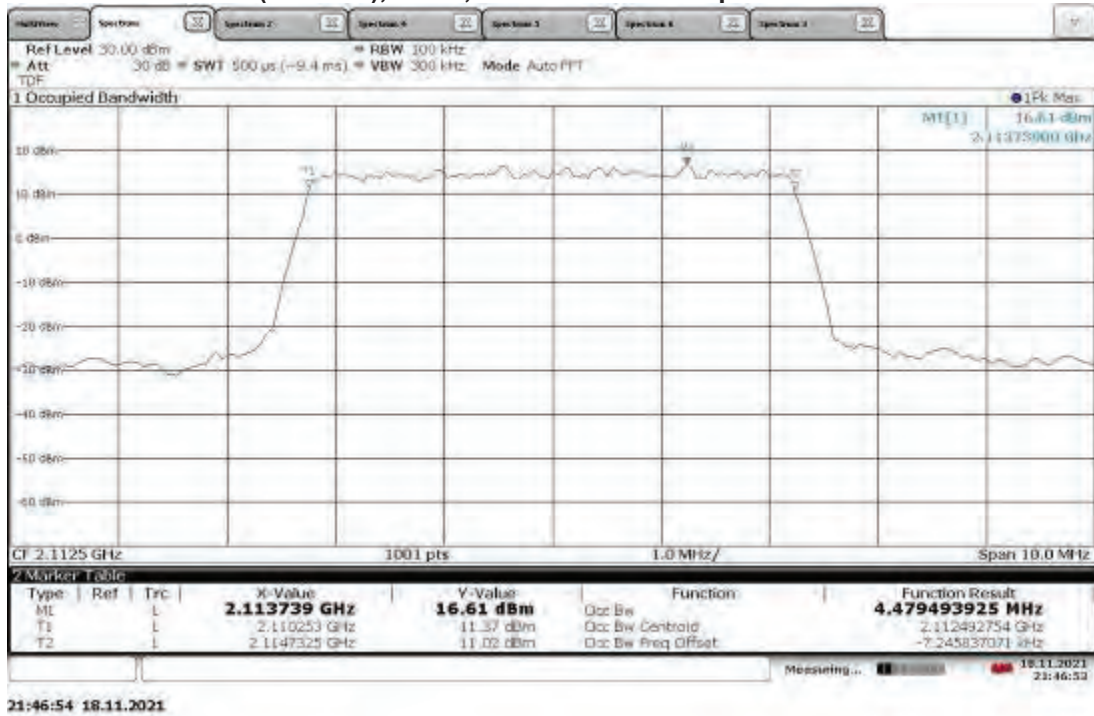


12:55:58 22.11.2021

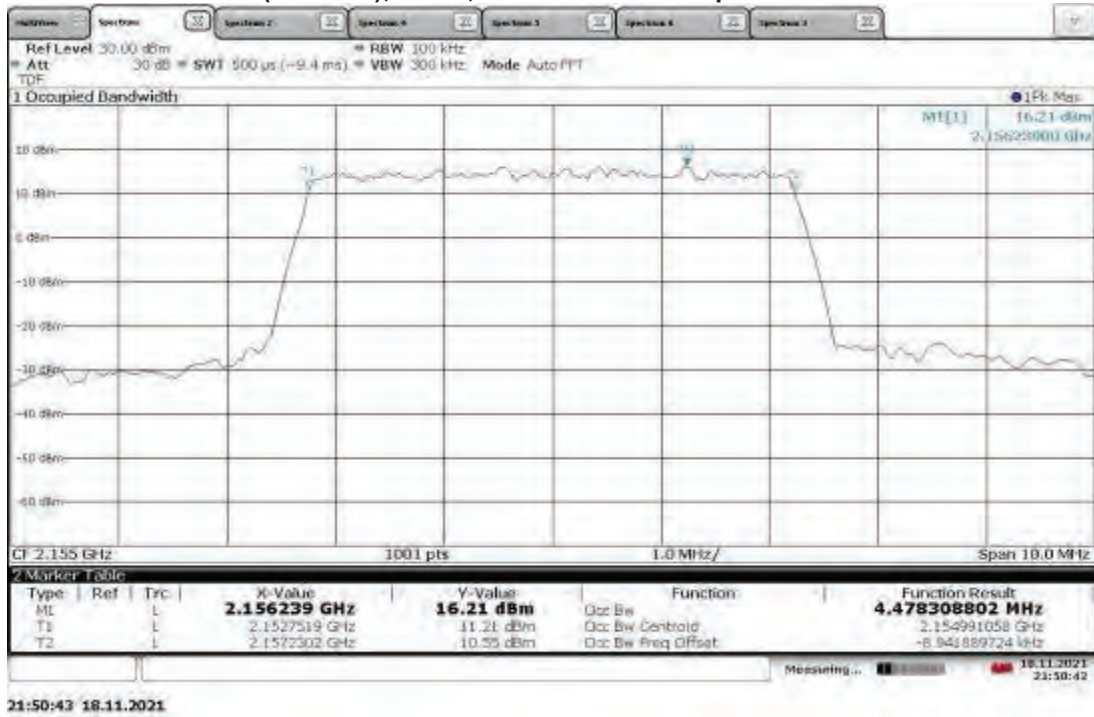
TM3.1a-256QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel Occupied Bandwidth



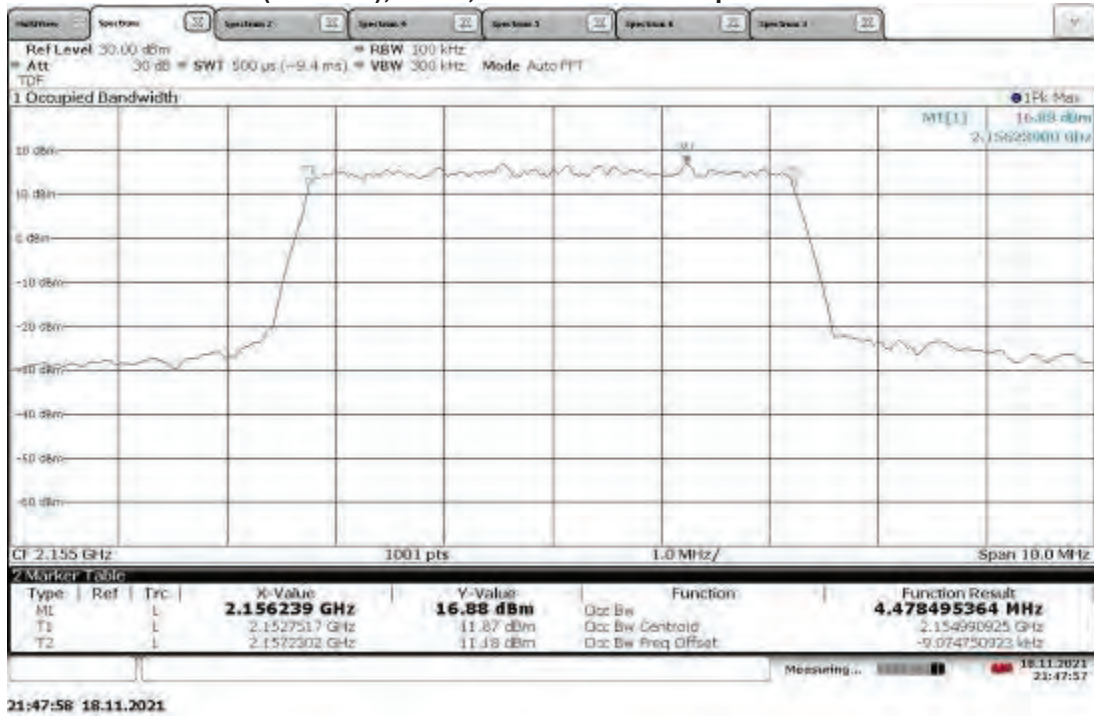
TM3.1a-256QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel Occupied Bandwidth

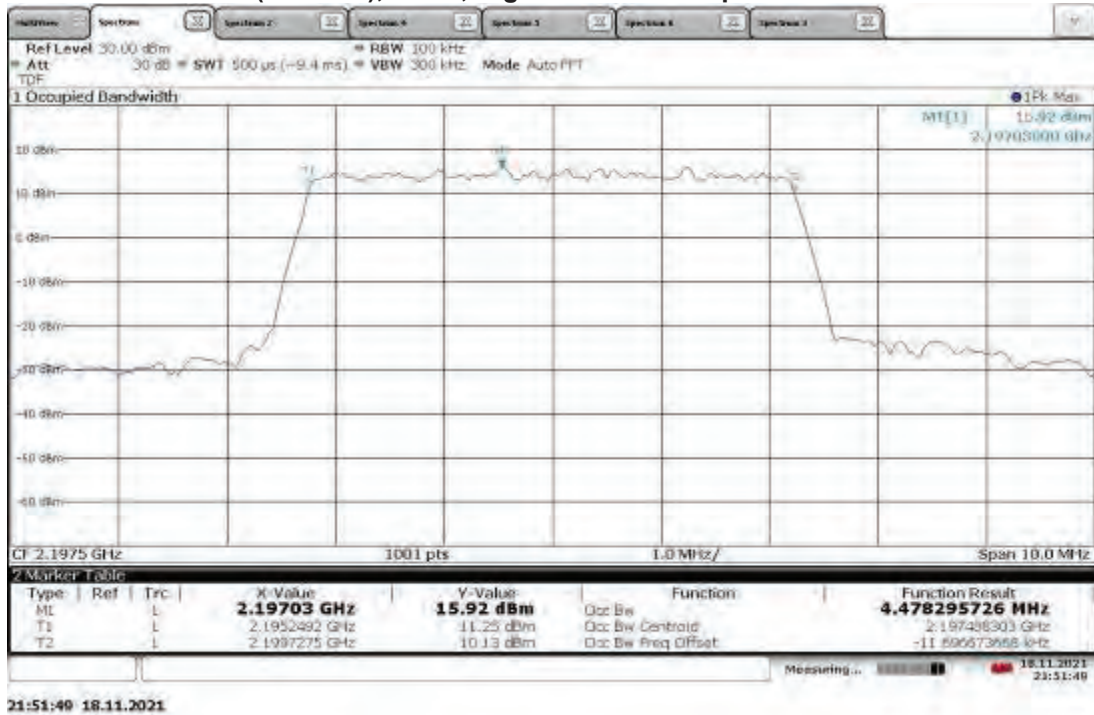
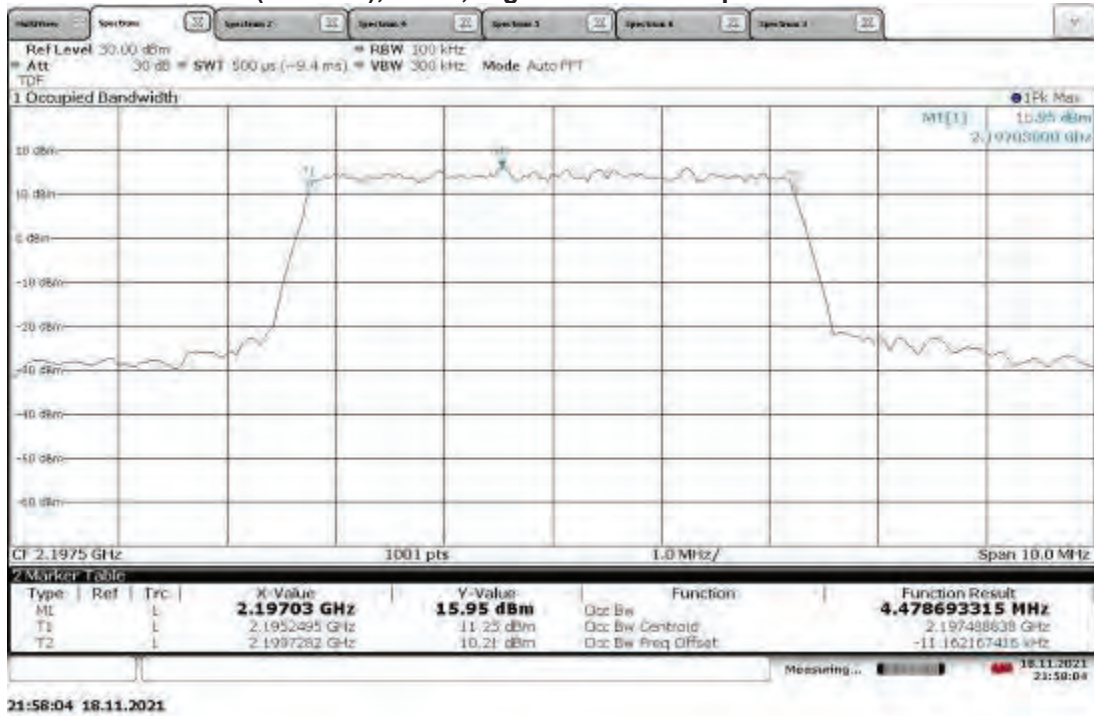


**TM3.1a-256QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel Occupied Bandwidth**

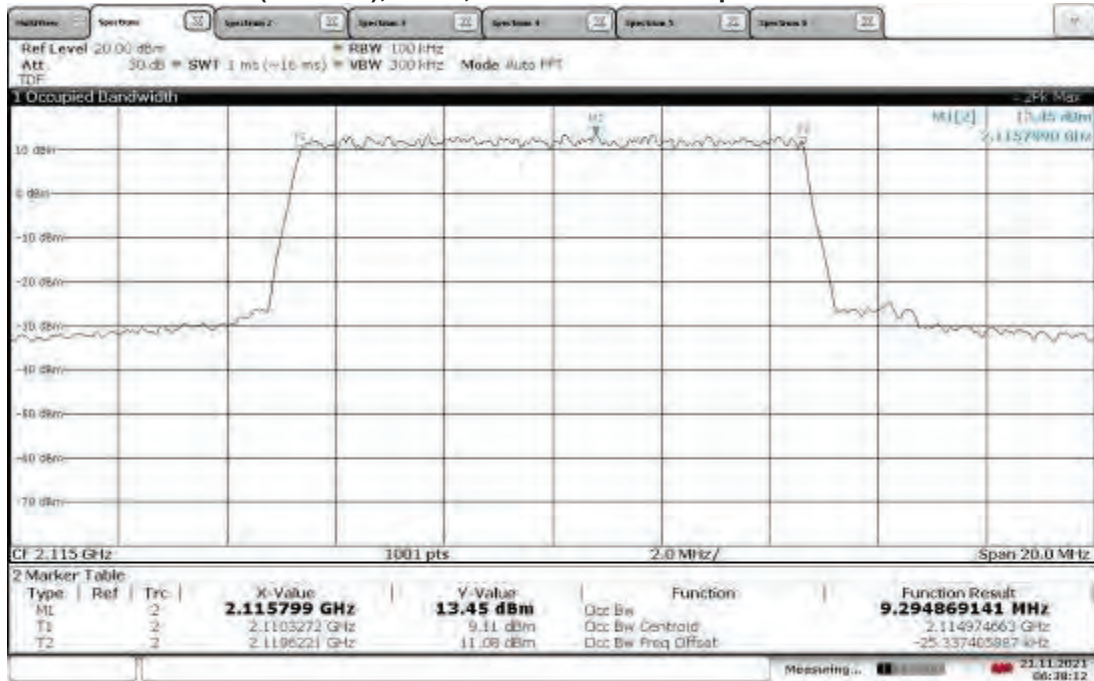


**TM3.1a-256QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel Occupied Bandwidth**



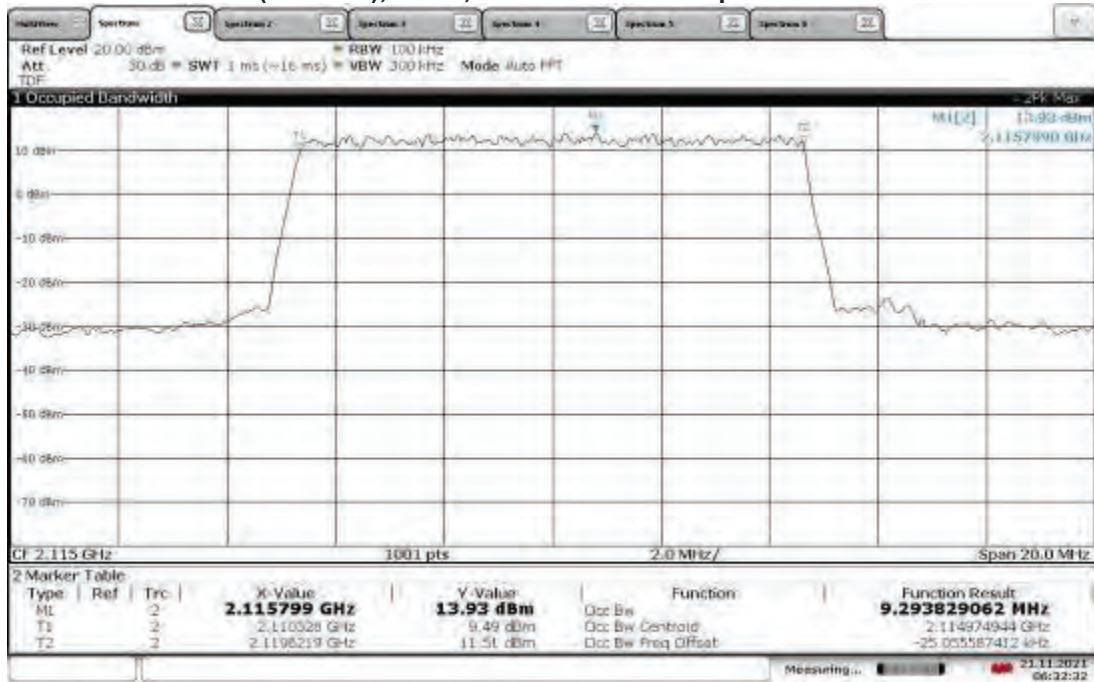
**TM3.1a-256QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel Occupied Bandwidth****TM3.1a-256QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel Occupied Bandwidth**

TM3.1a-256QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel Occupied Bandwidth



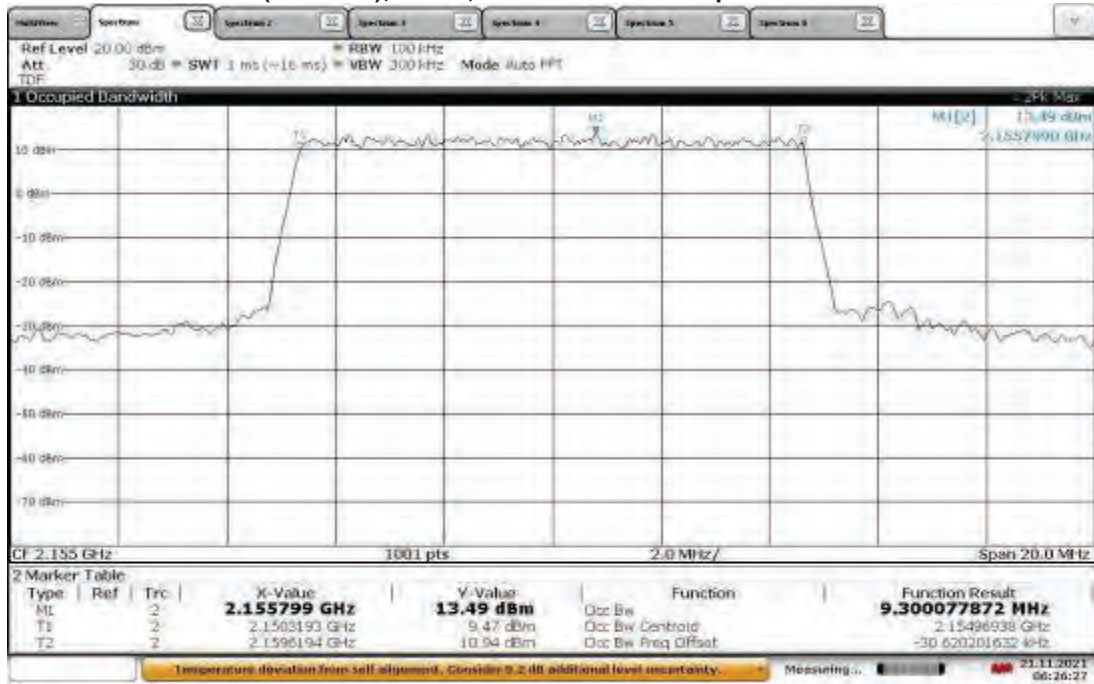
06:38:12 21.11.2021

TM3.1a-256QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel Occupied Bandwidth



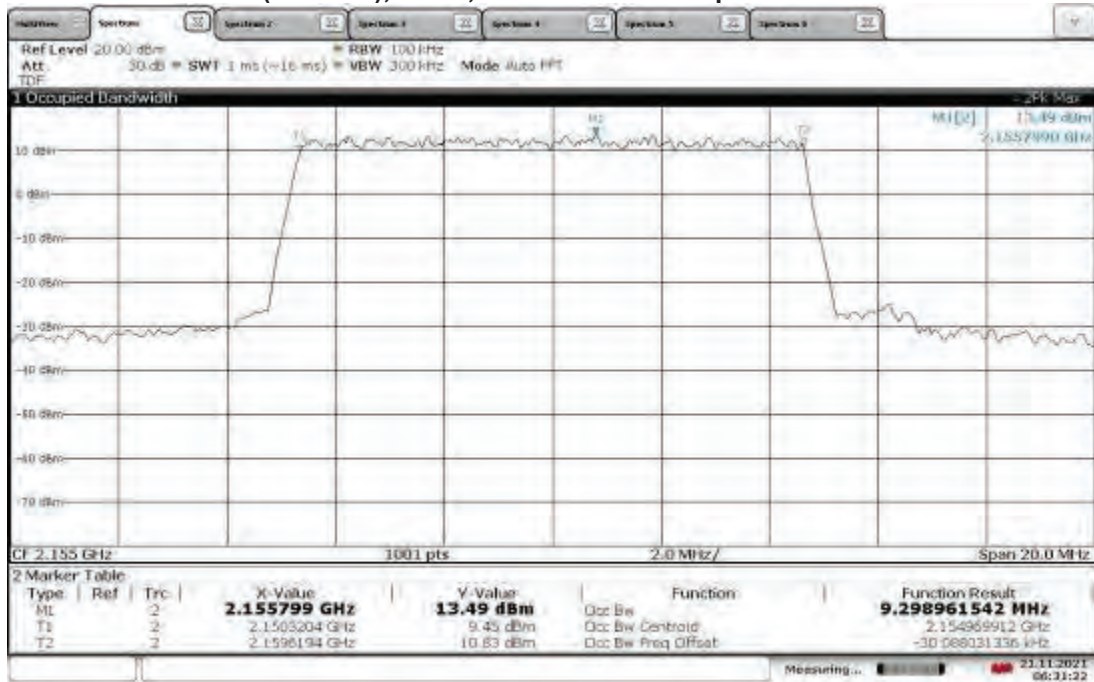
06:32:32 21.11.2021

**TM3.1a-256QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel Occupied Bandwidth**



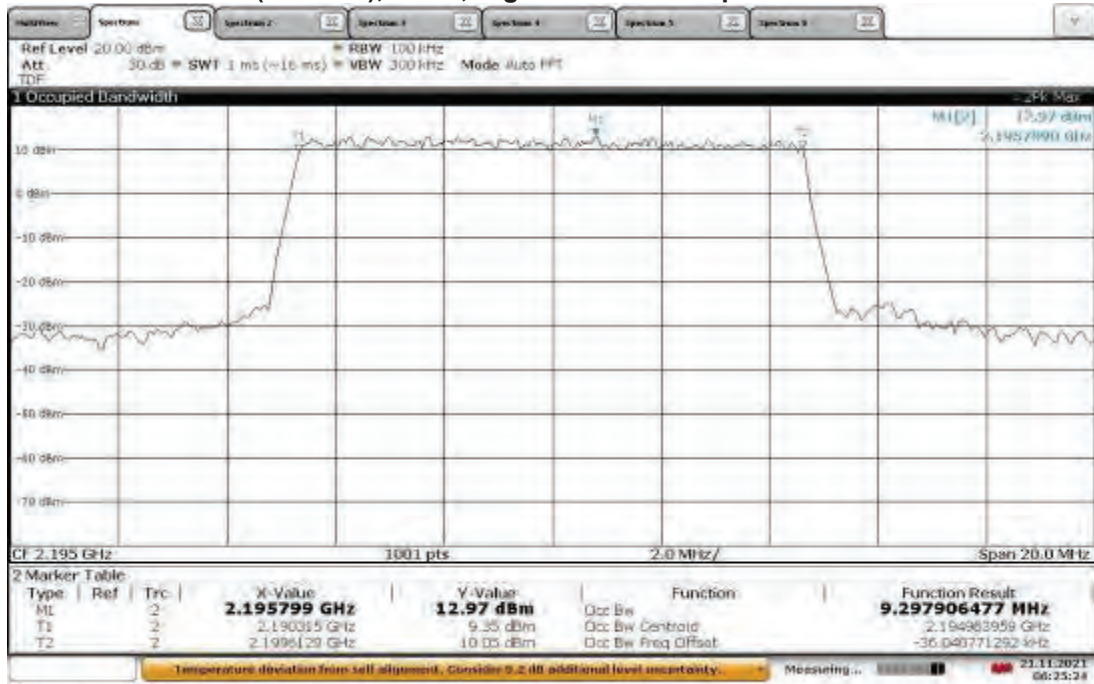
06:26:27 21.11.2021

**TM3.1a-256QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel Occupied Bandwidth**



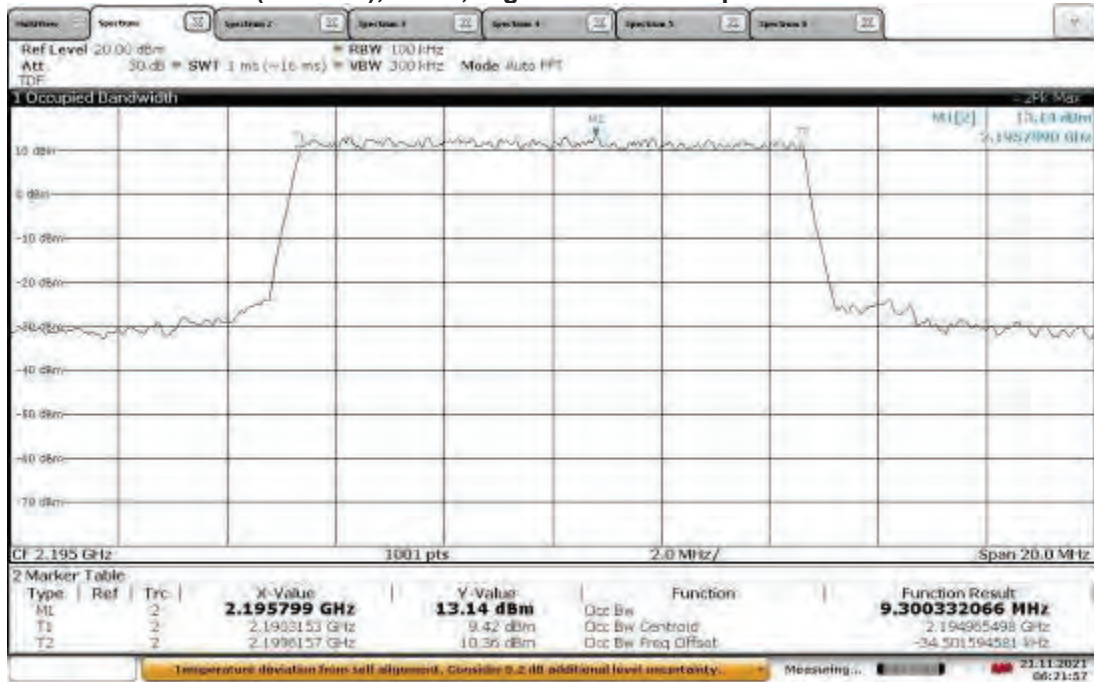
06:31:22 21.11.2021

**TM3.1a-256QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel Occupied Bandwidth**



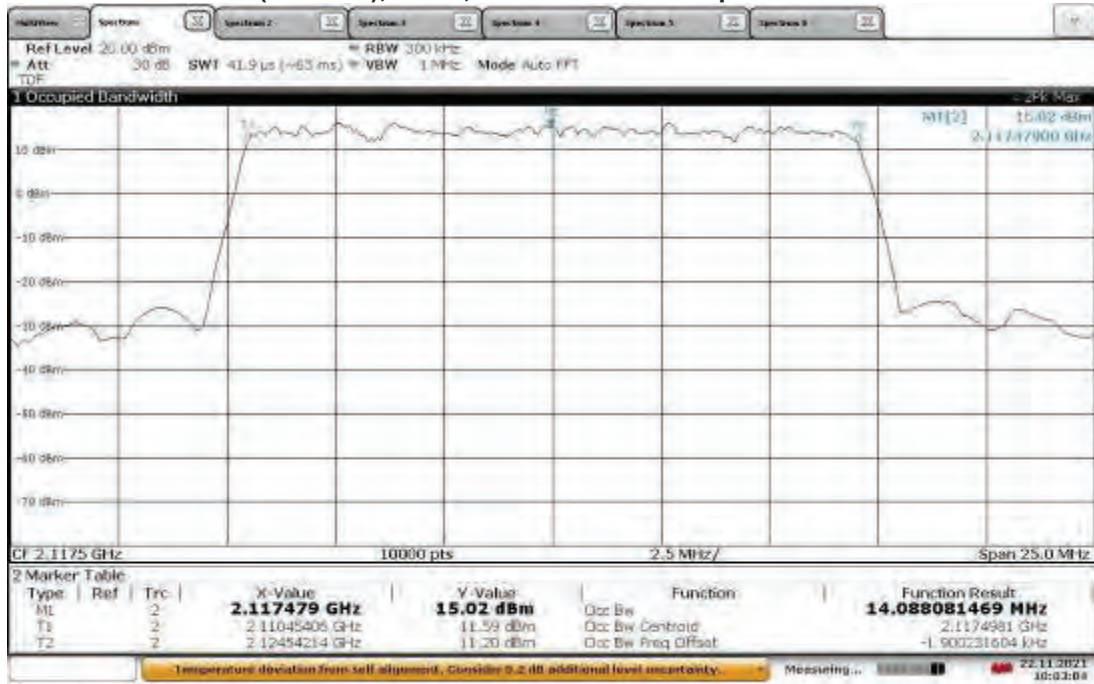
06:25:24 21.11.2021

**TM3.1a-256QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel Occupied Bandwidth**



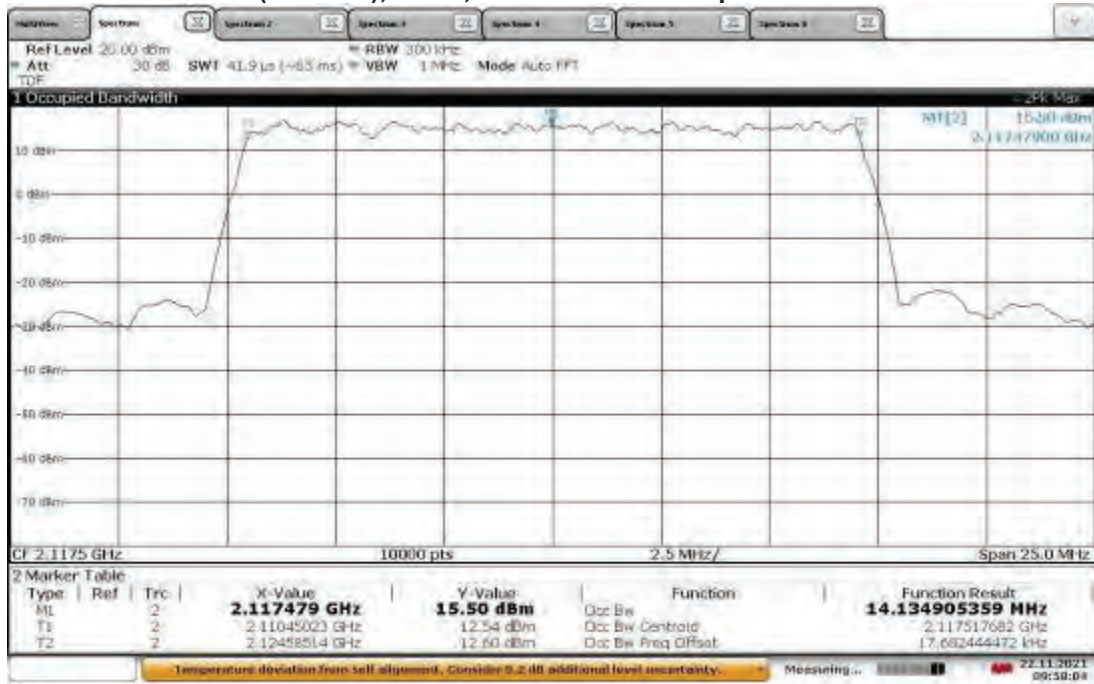
06:21:57 21.11.2021

TM3.1a-256QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel Occupied Bandwidth



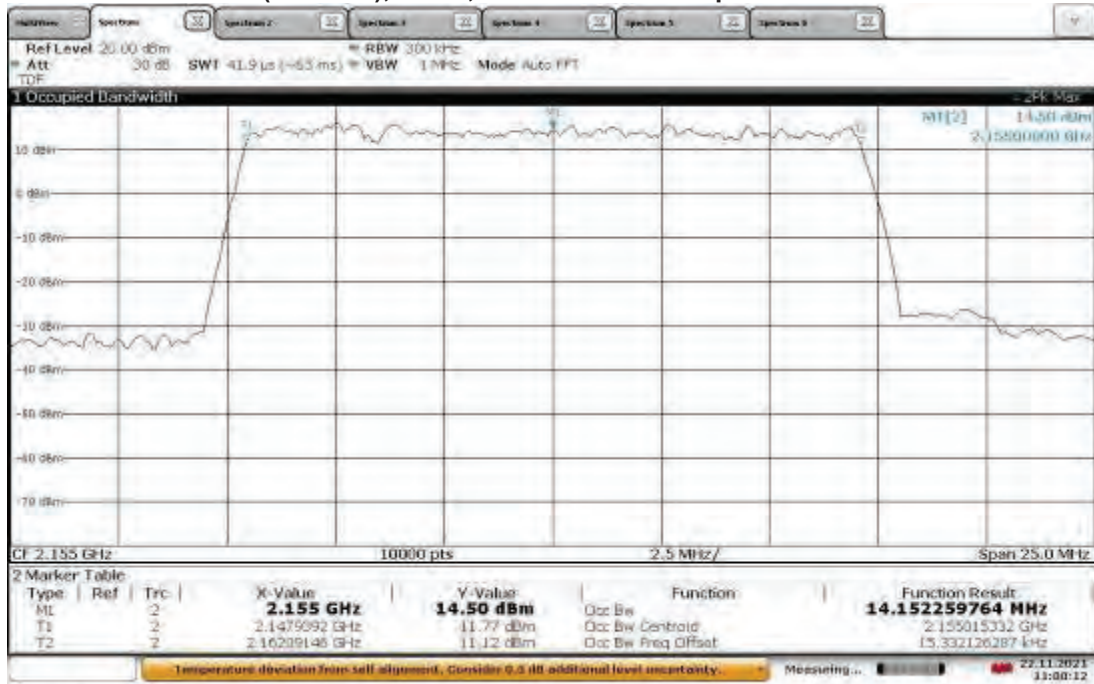
10:03:04 22.11.2021

TM3.1a-256QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel Occupied Bandwidth



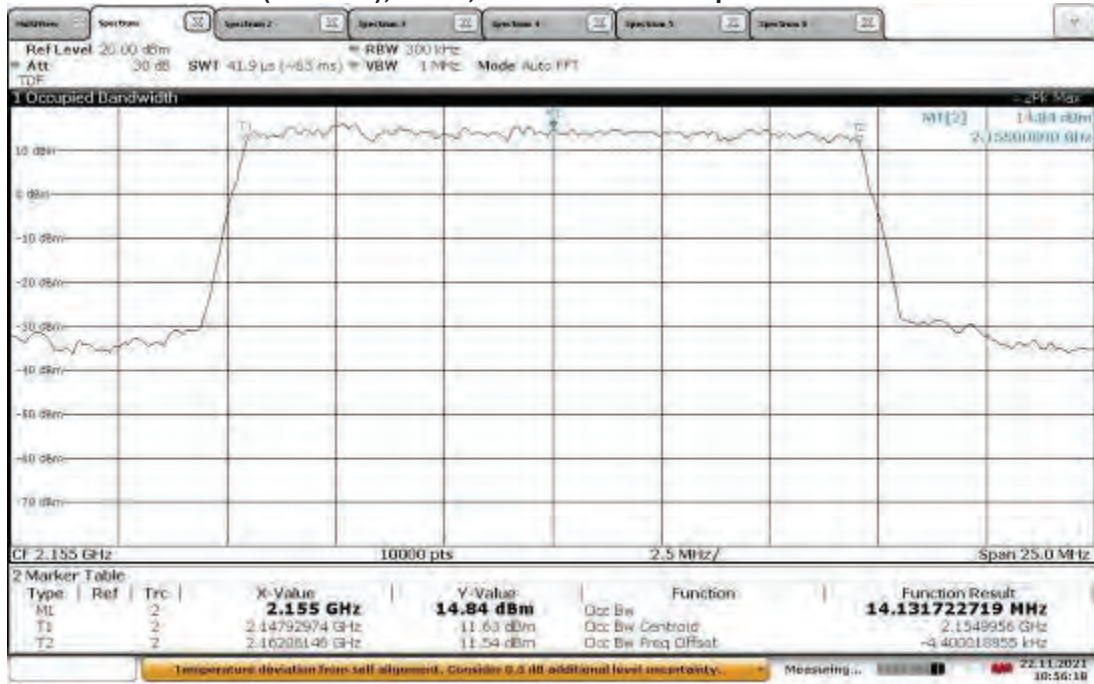
09:58:05 22.11.2021

**TM3.1a-256QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel Occupied Bandwidth**



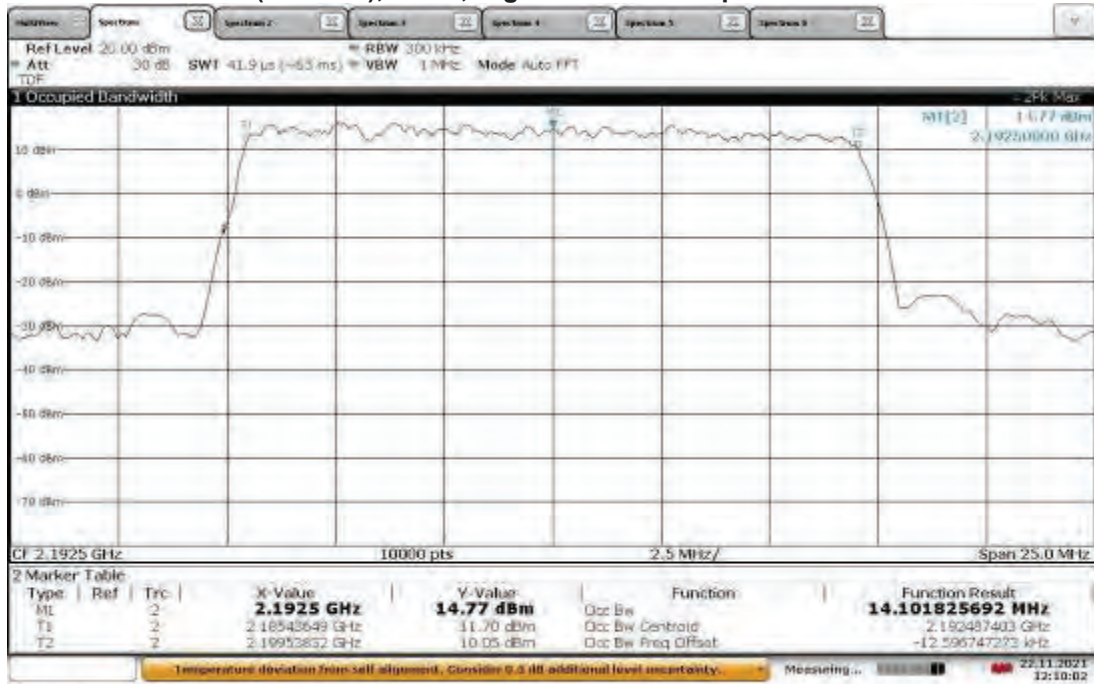
11:00:13 22.11.2021

**TM3.1a-256QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel Occupied Bandwidth**



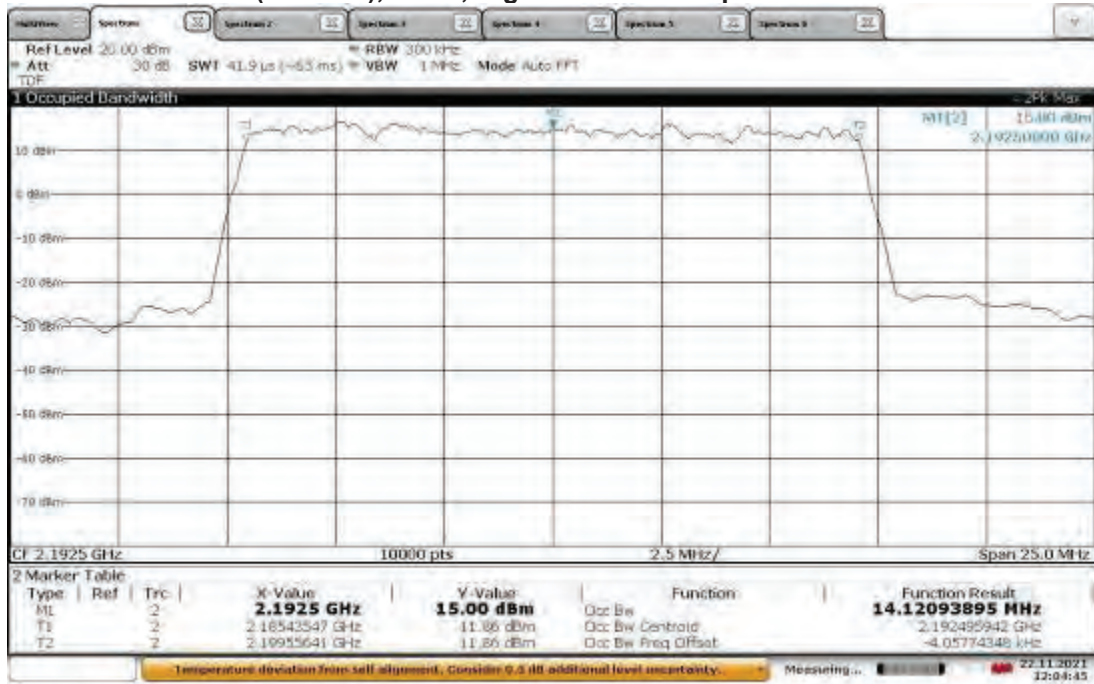
10:56:18 22.11.2021

TM3.1a-256QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel Occupied Bandwidth



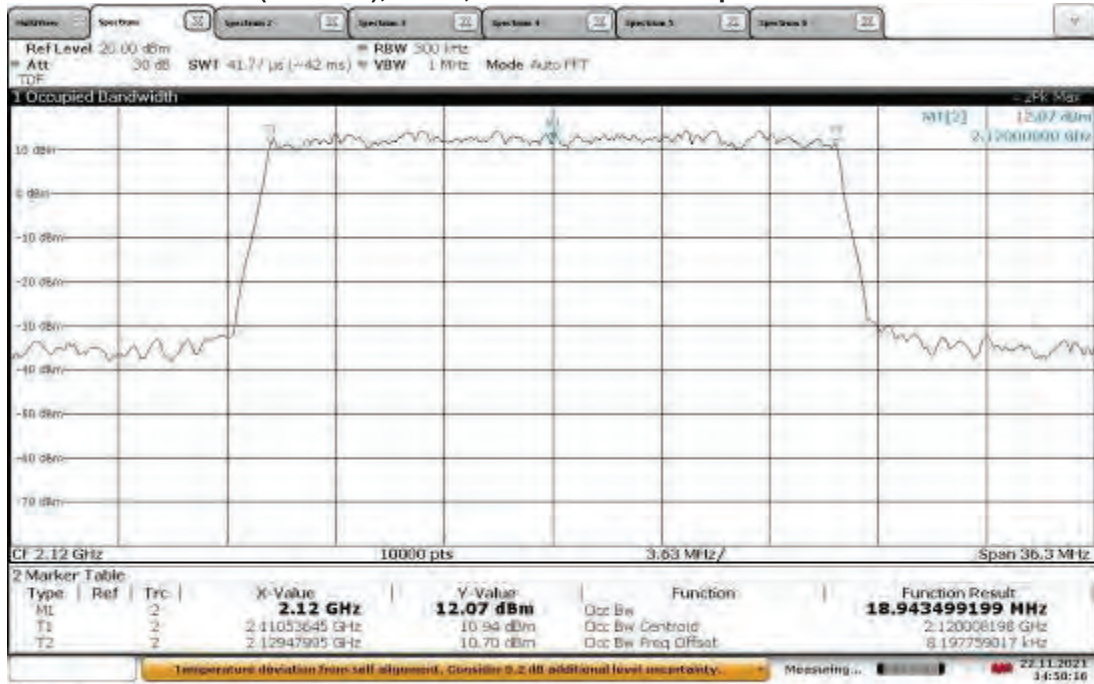
12:10:03 22.11.2021

TM3.1a-256QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel Occupied Bandwidth



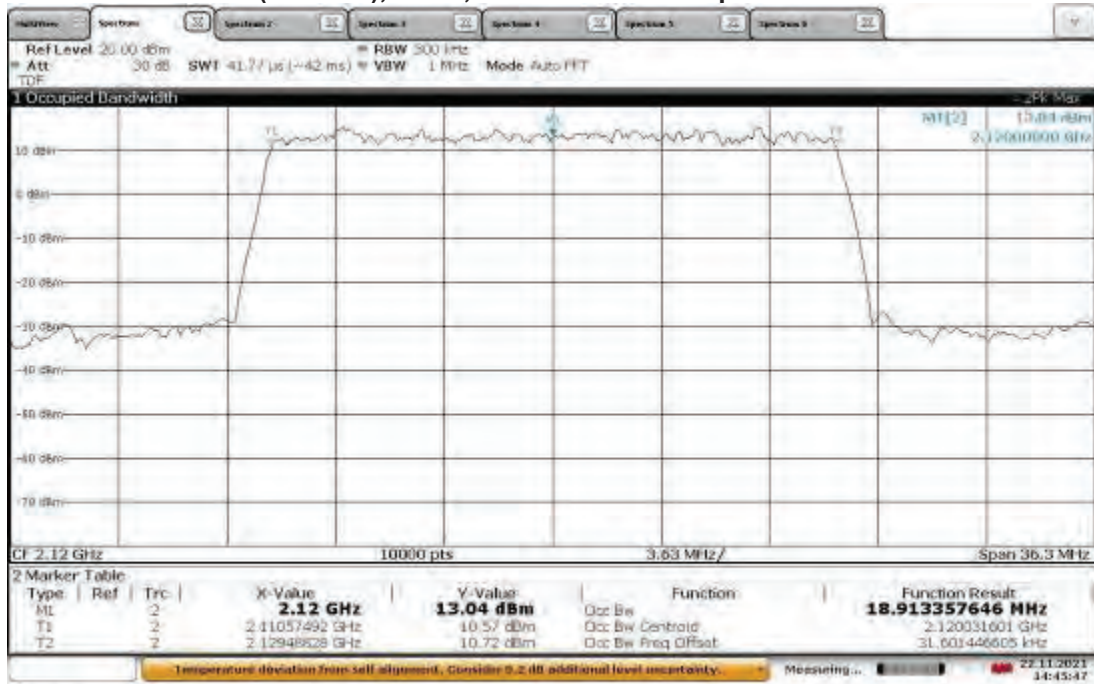
12:04:45 22.11.2021

TM3.1a-256QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel Occupied Bandwidth



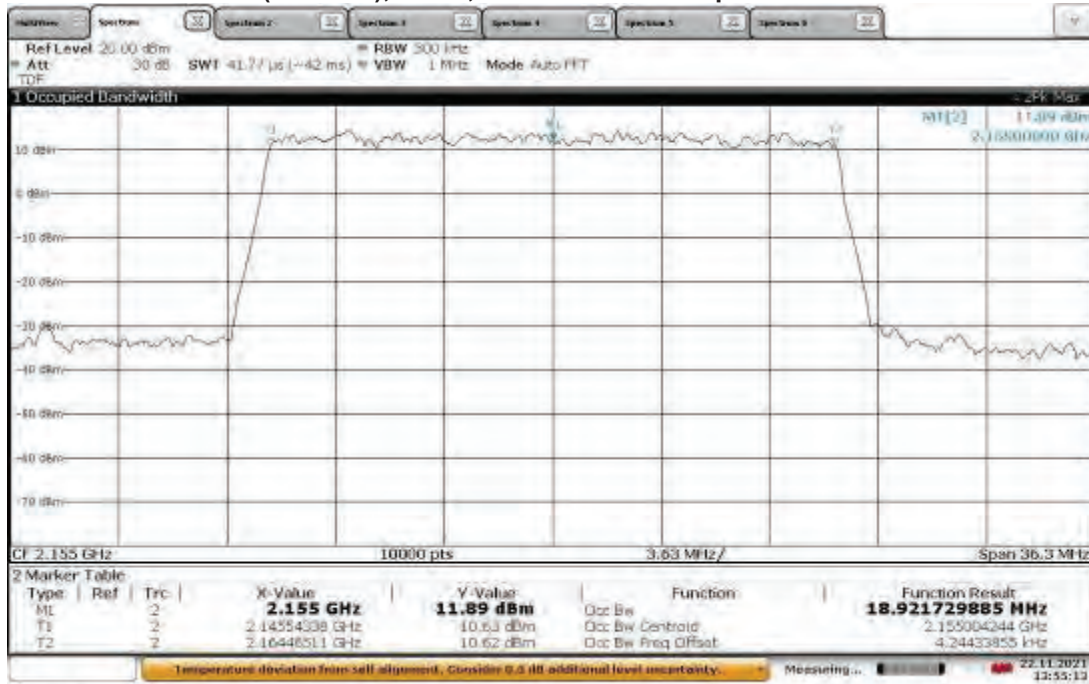
14:50:16 22.11.2021

TM3.1a-256QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel Occupied Bandwidth



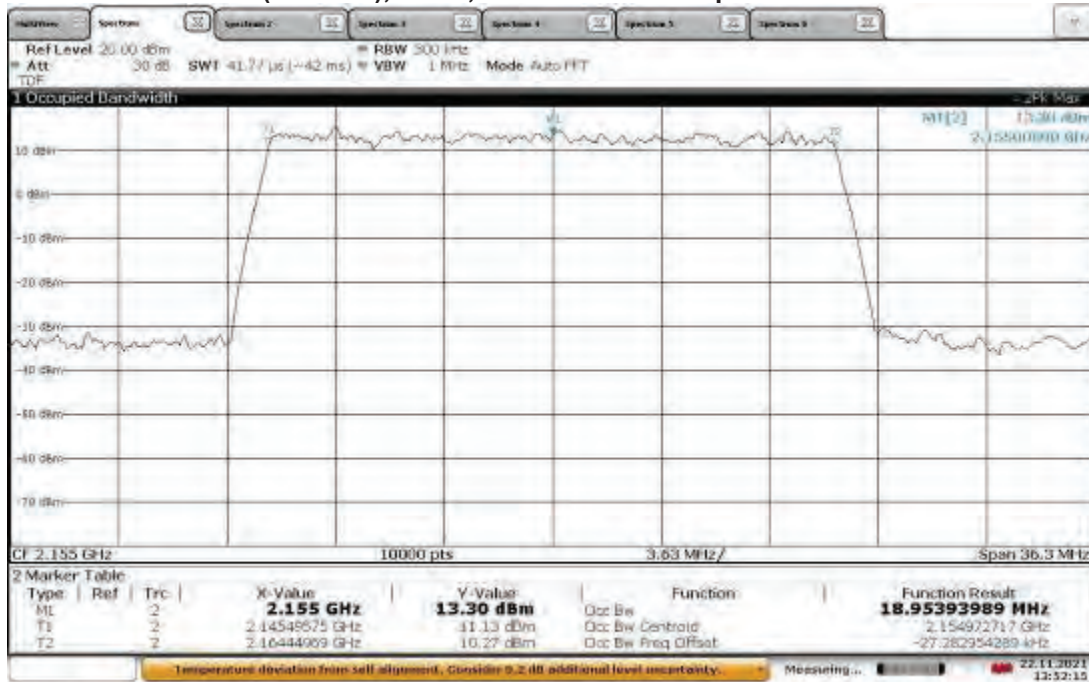
14:45:48 22.11.2021

TM3.1a-256QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel Occupied Bandwidth



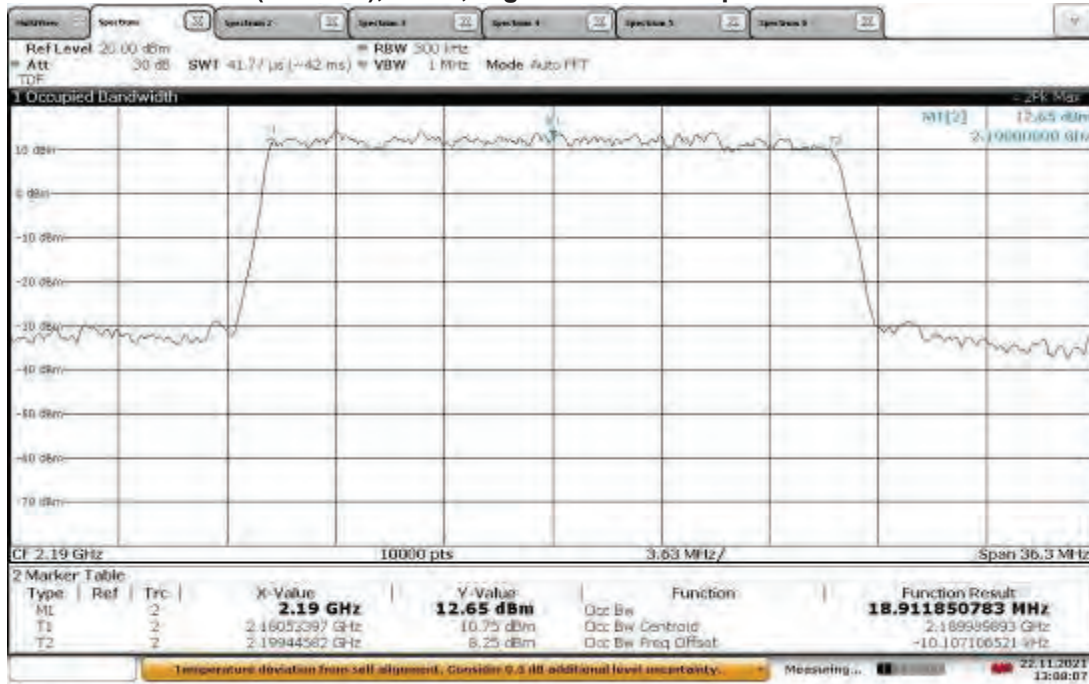
13:55:13 22.11.2021

TM3.1a-256QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel Occupied Bandwidth



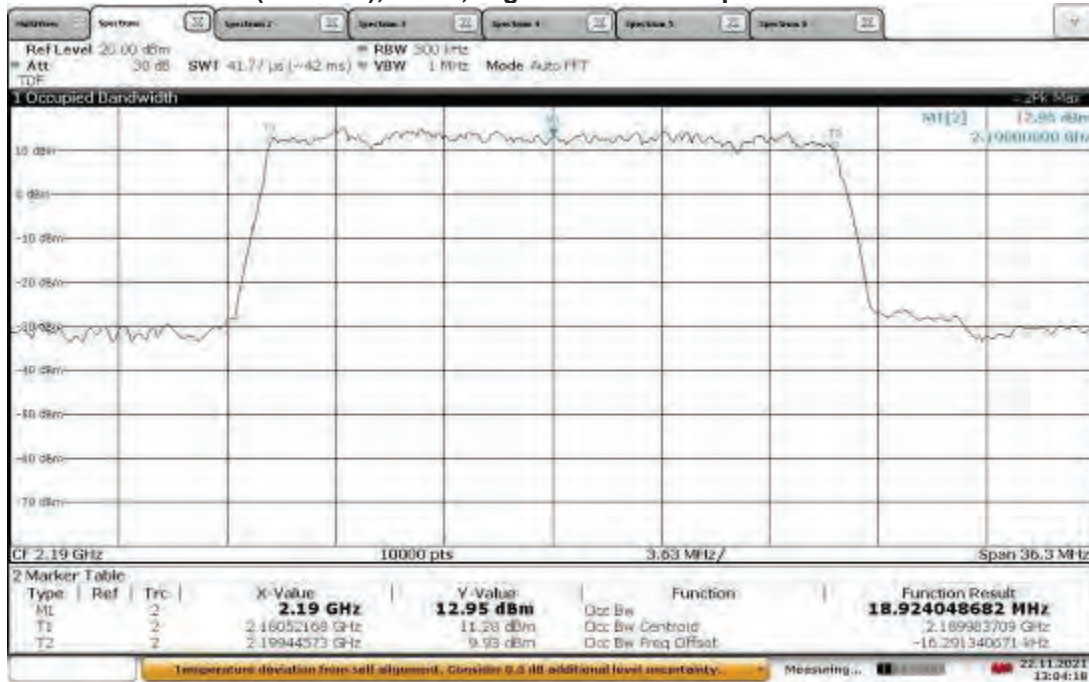
13:52:15 22.11.2021

TM3.1a-256QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel Occupied Bandwidth



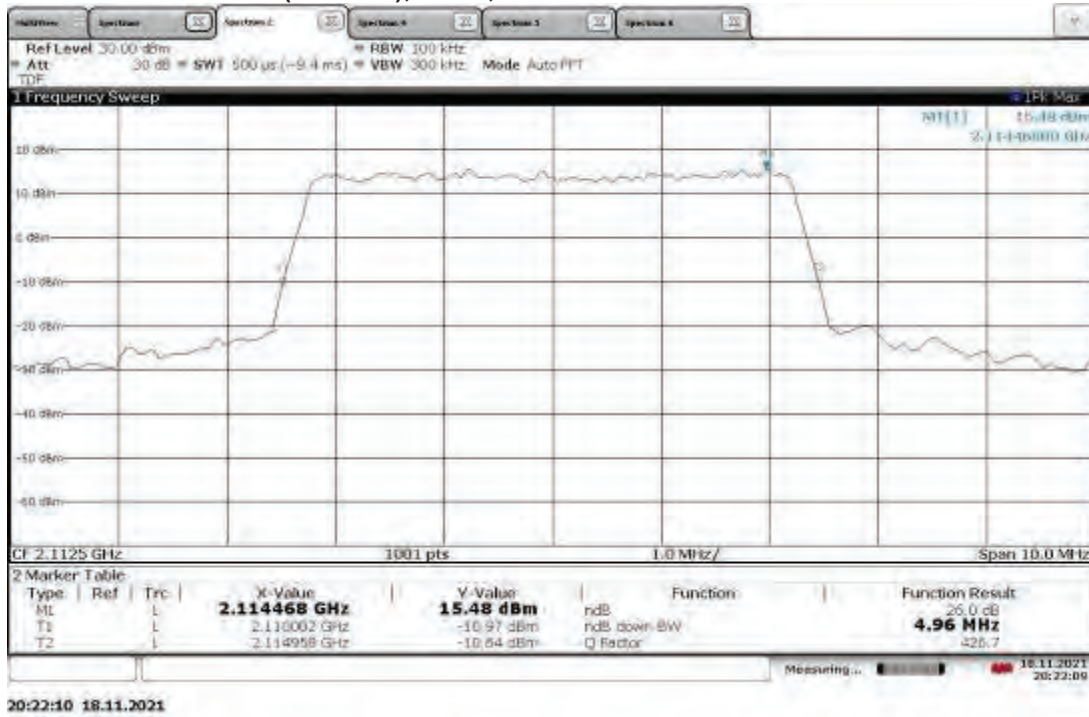
13:08:07 22.11.2021

TM3.1a-256QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel Occupied Bandwidth

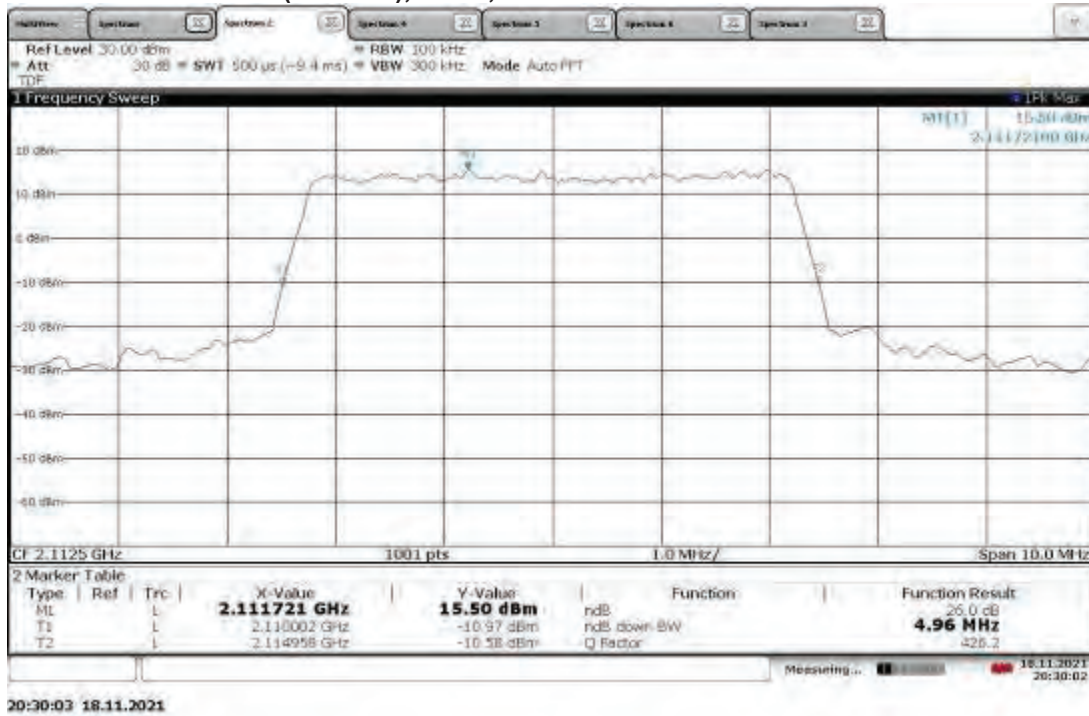


13:04:19 22.11.2021

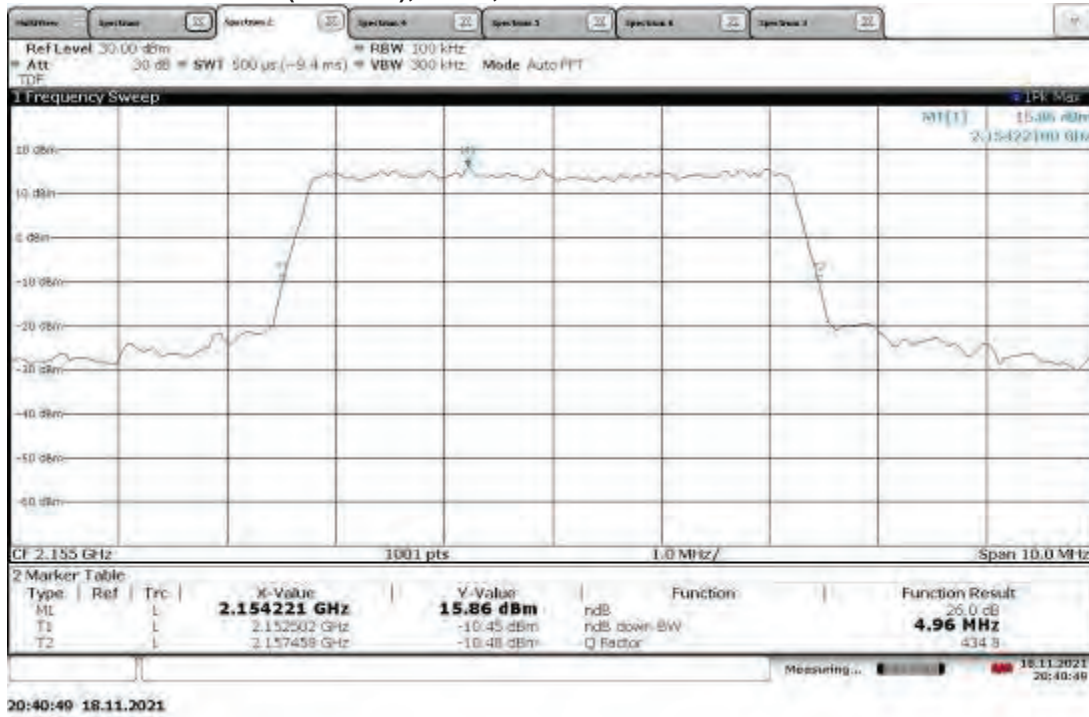
TM1.1-QPSK_5 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel 26 dB Bandwidth



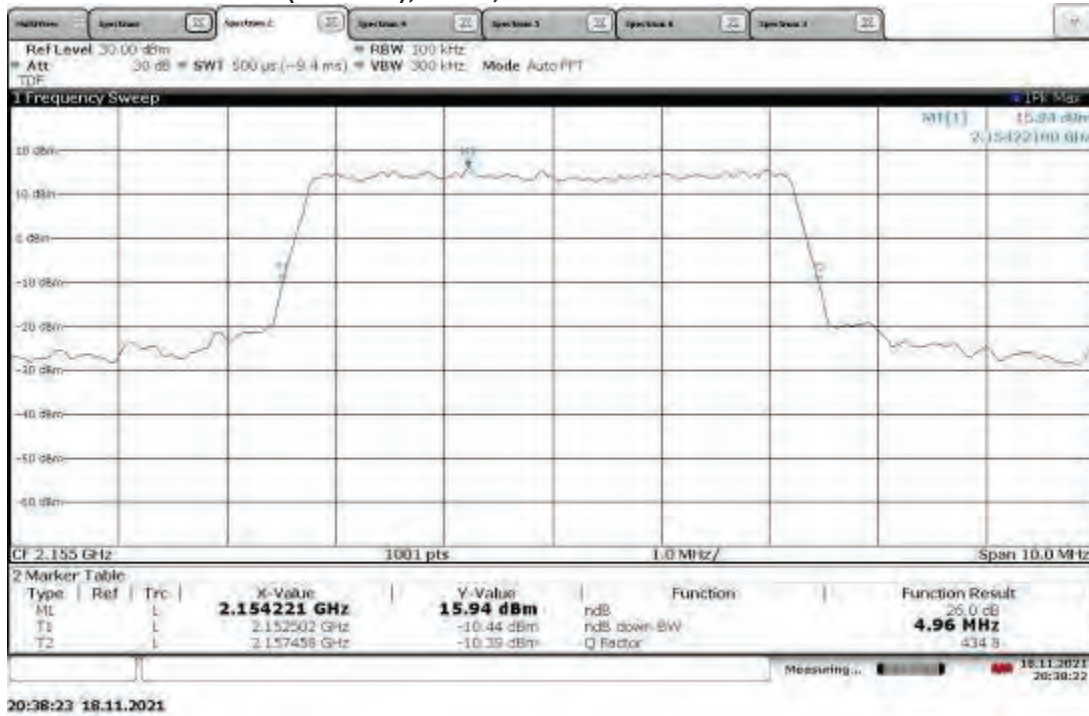
TM1.1-QPSK_5 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel 26 dB Bandwidth



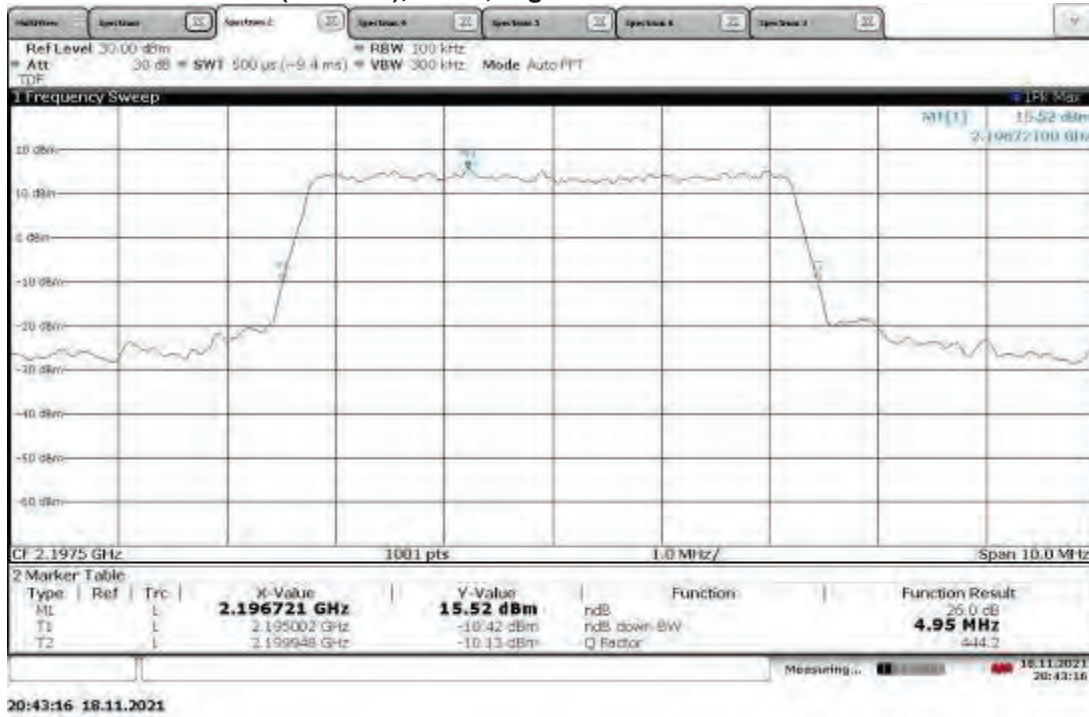
TM1.1-QPSK_5 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel 26 dB Bandwidth



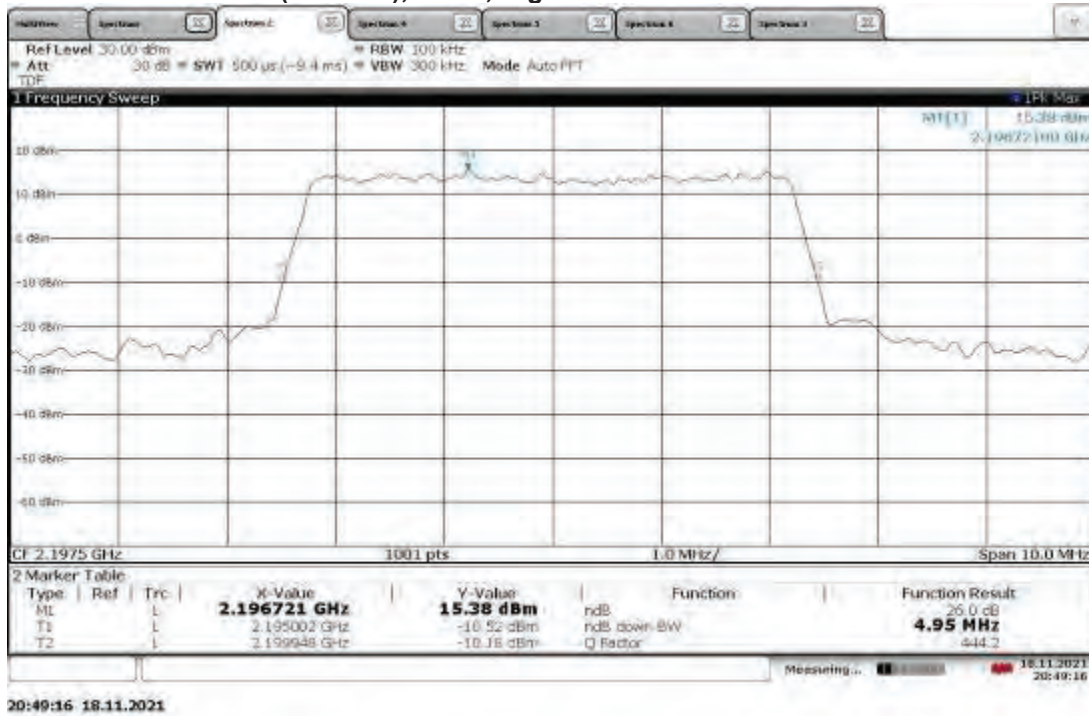
TM1.1-QPSK_5 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel 26 dB Bandwidth



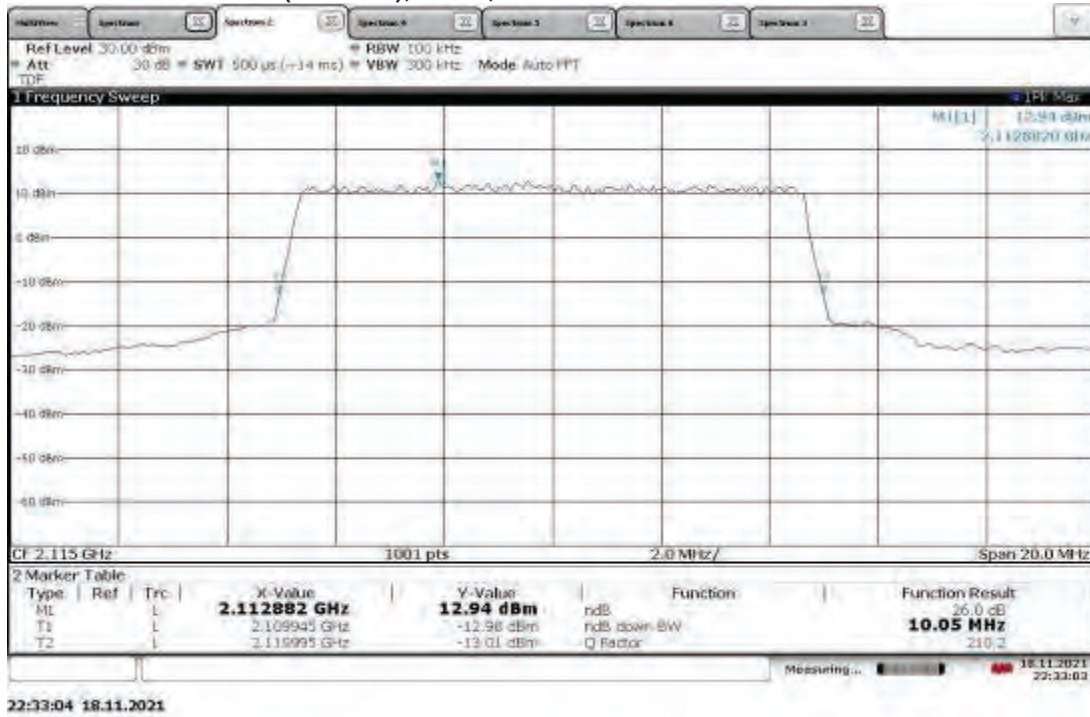
TM1.1-QPSK_5 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel 26 dB Bandwidth



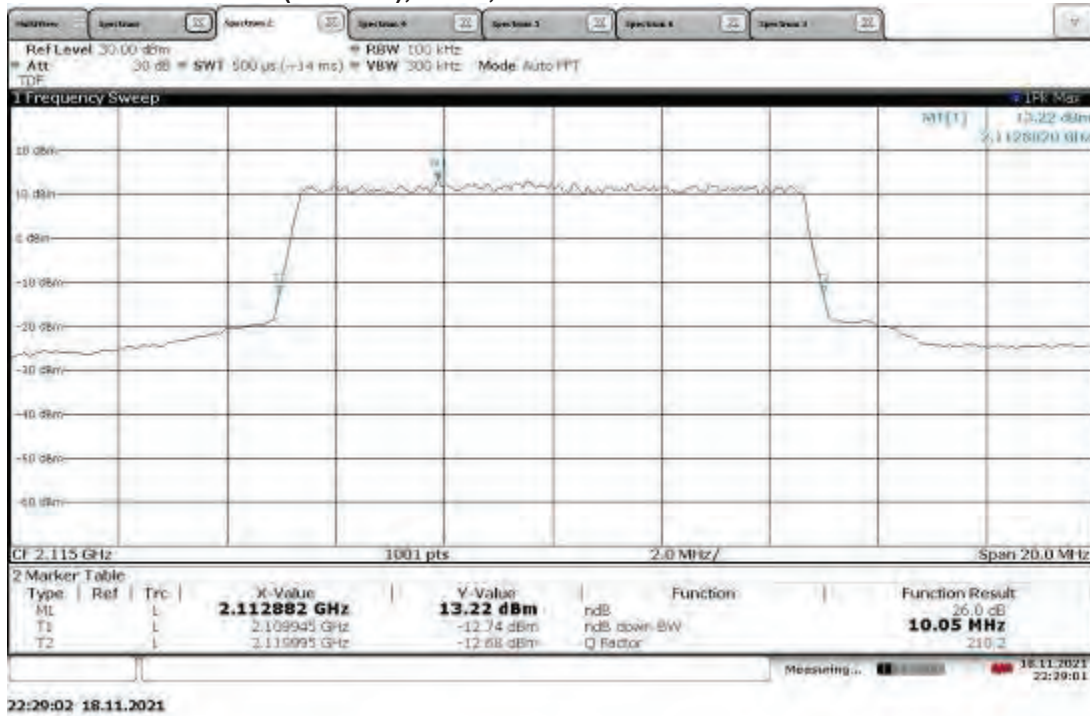
TM1.1-QPSK_5 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel 26 dB Bandwidth



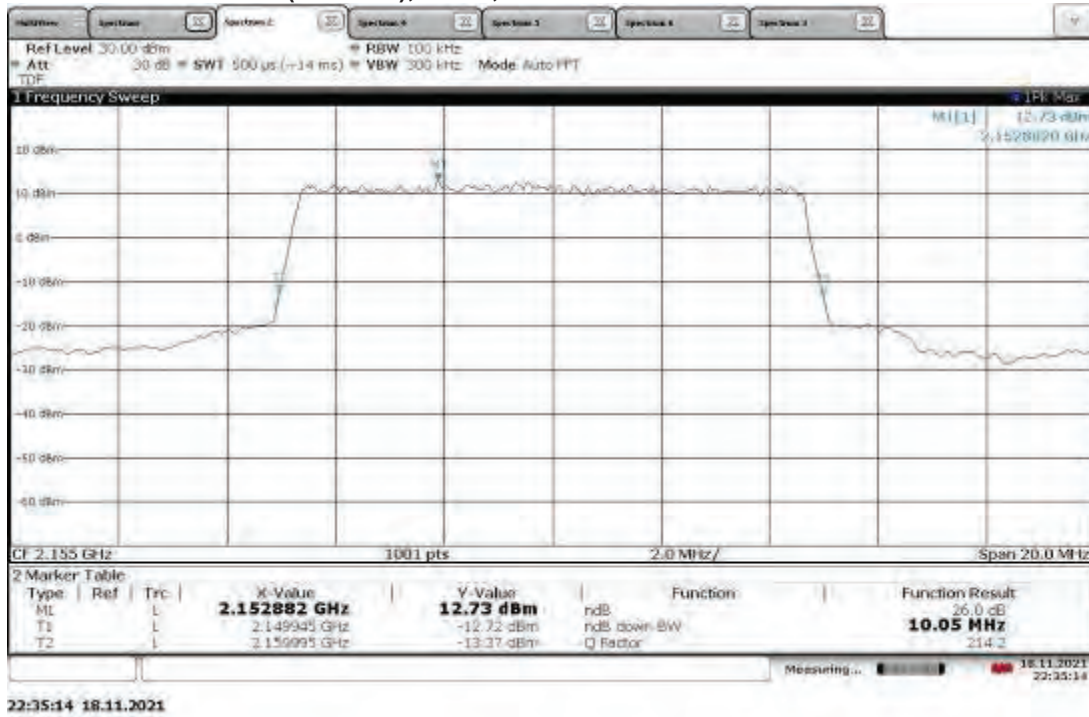
TM1.1-QPSK_10 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel 26 dB Bandwidth



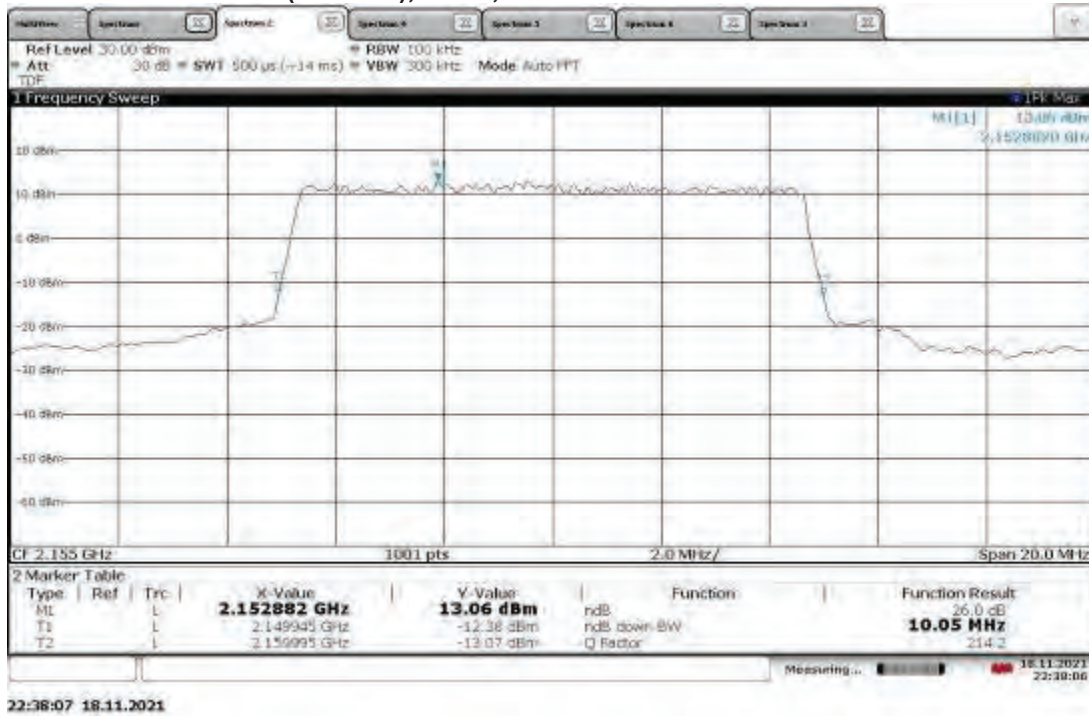
TM1.1-QPSK_10 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel 26 dB Bandwidth



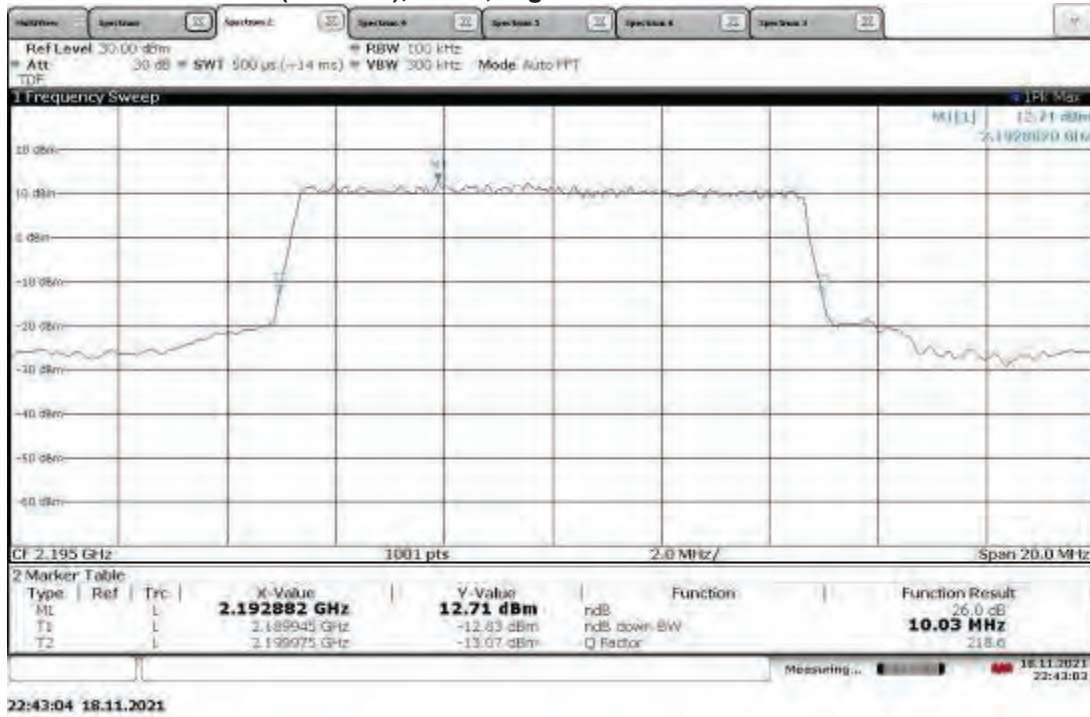
TM1.1-QPSK_10 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel 26 dB Bandwidth



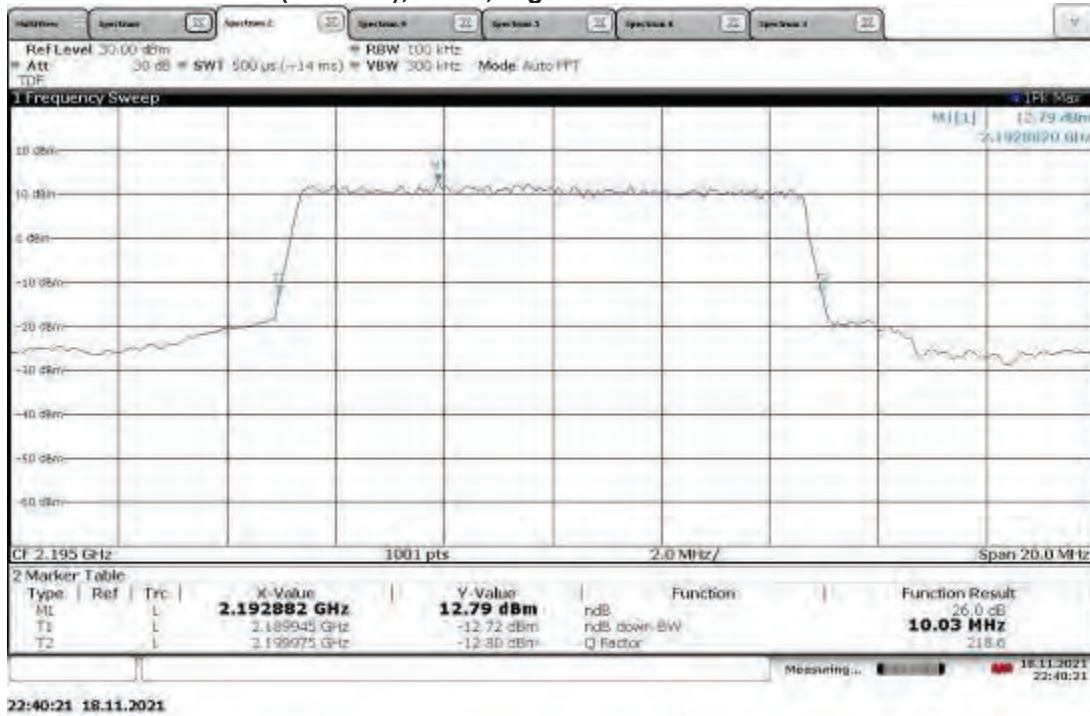
TM1.1-QPSK_10 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel 26 dB Bandwidth



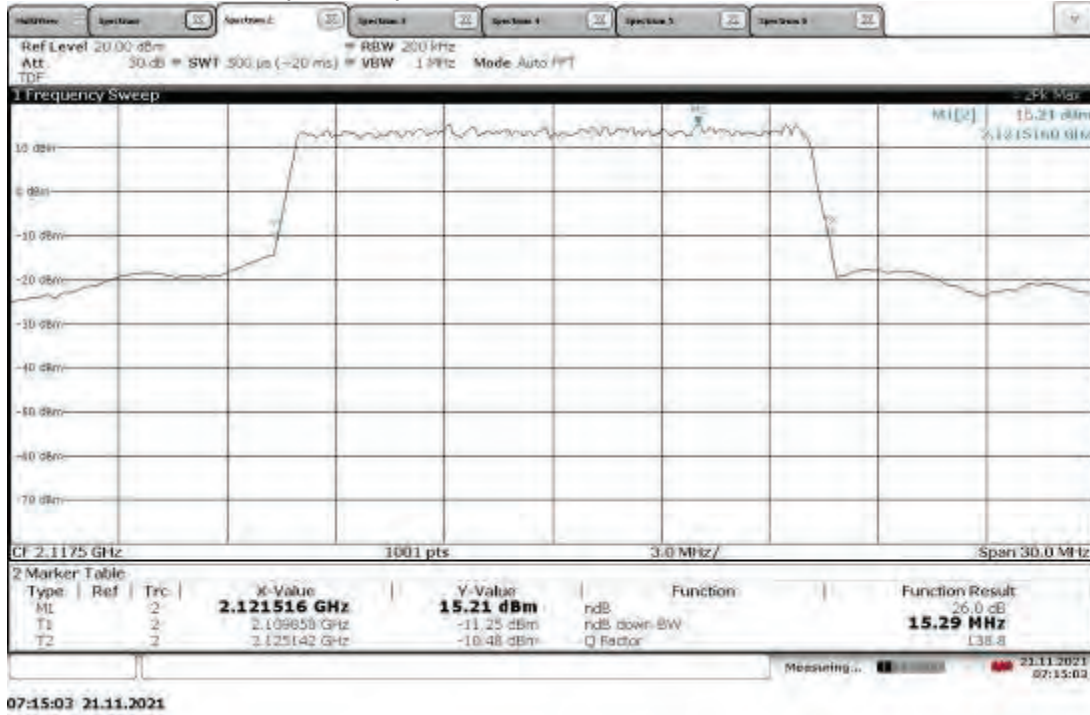
TM1.1-QPSK_10 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel 26 dB Bandwidth



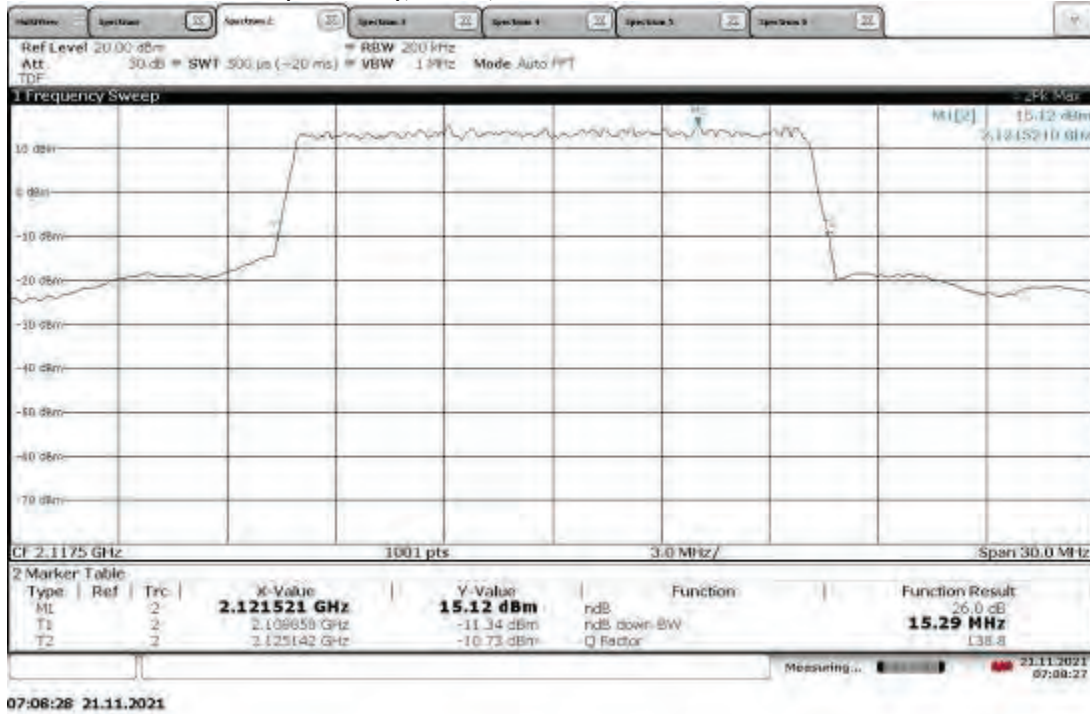
TM1.1-QPSK_10 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel 26 dB Bandwidth



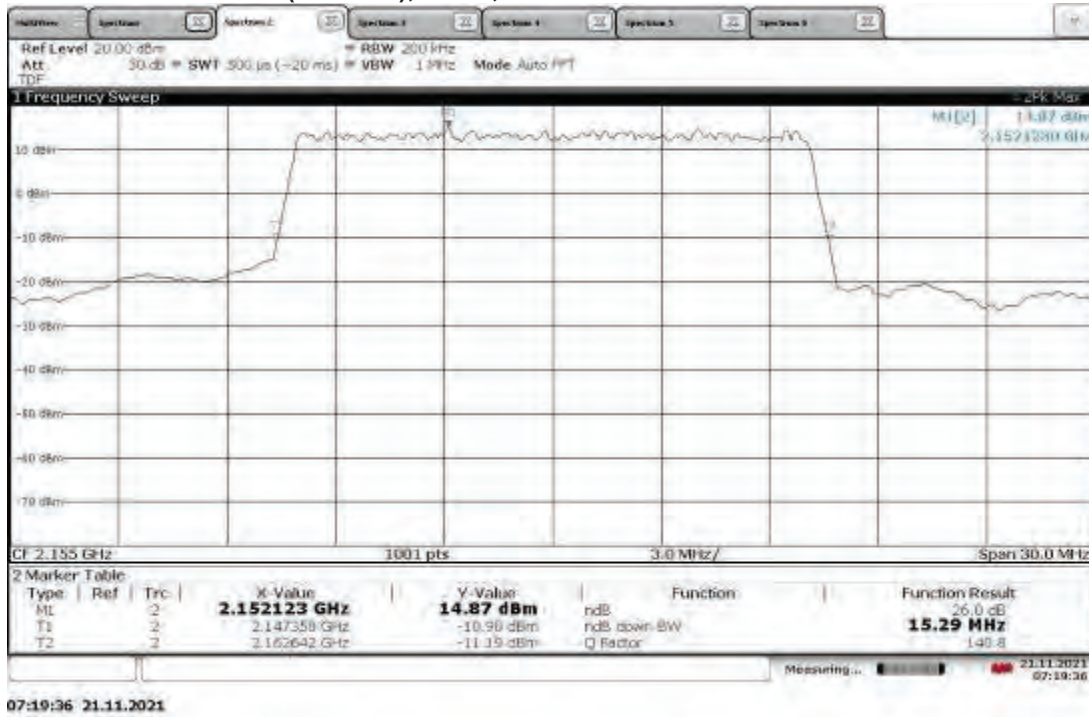
TM1.1-QPSK_15 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel 26 dB Bandwidth



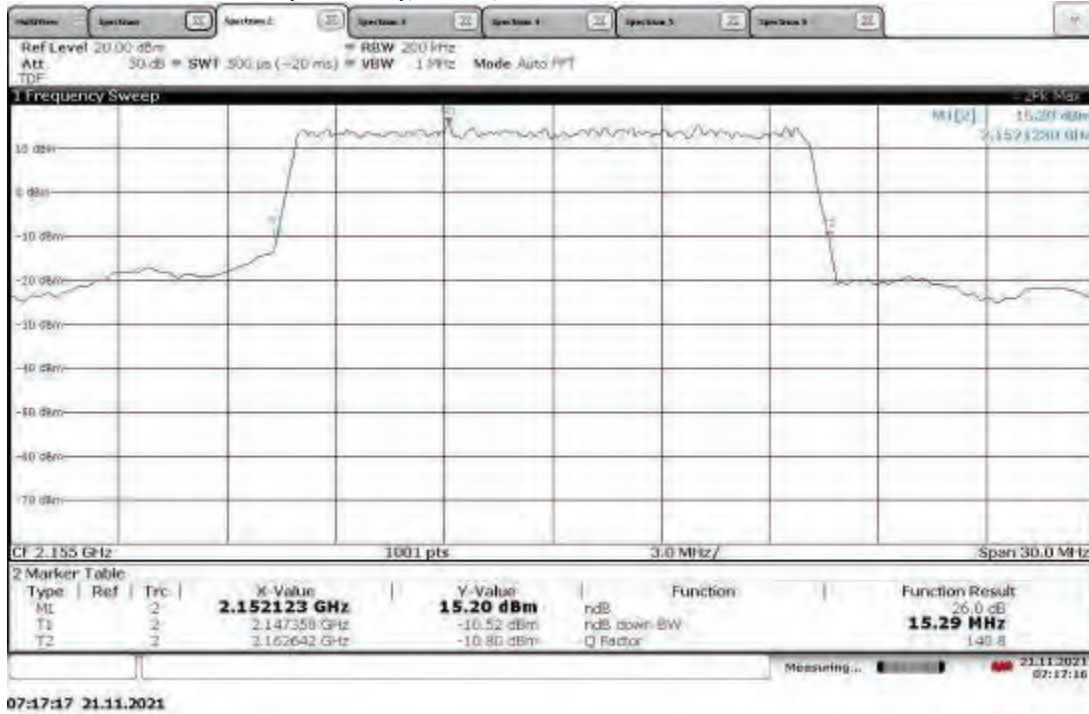
TM1.1-QPSK_15 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel 26 dB Bandwidth



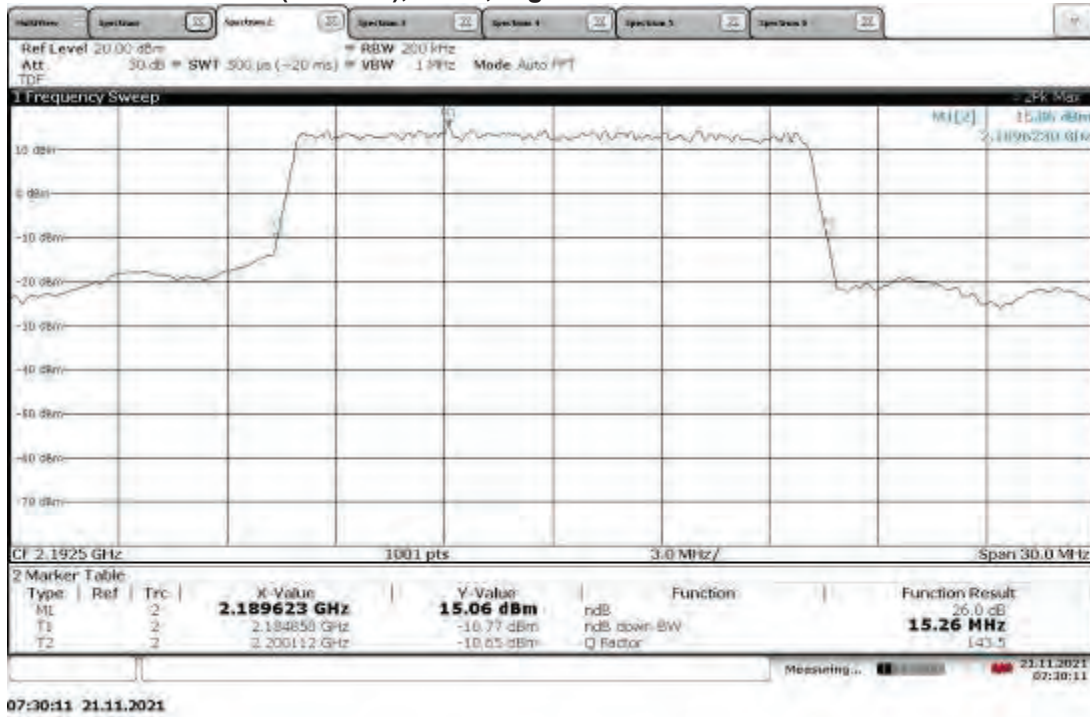
TM1.1-QPSK_15 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel 26 dB Bandwidth



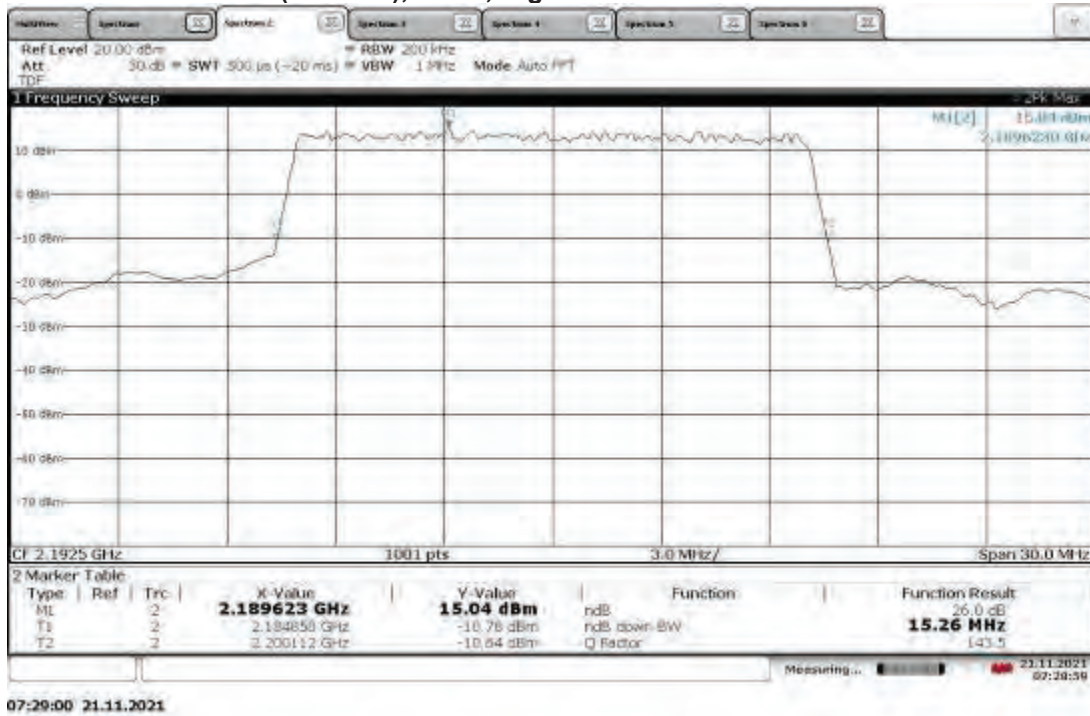
TM1.1-QPSK_15 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel 26 dB Bandwidth



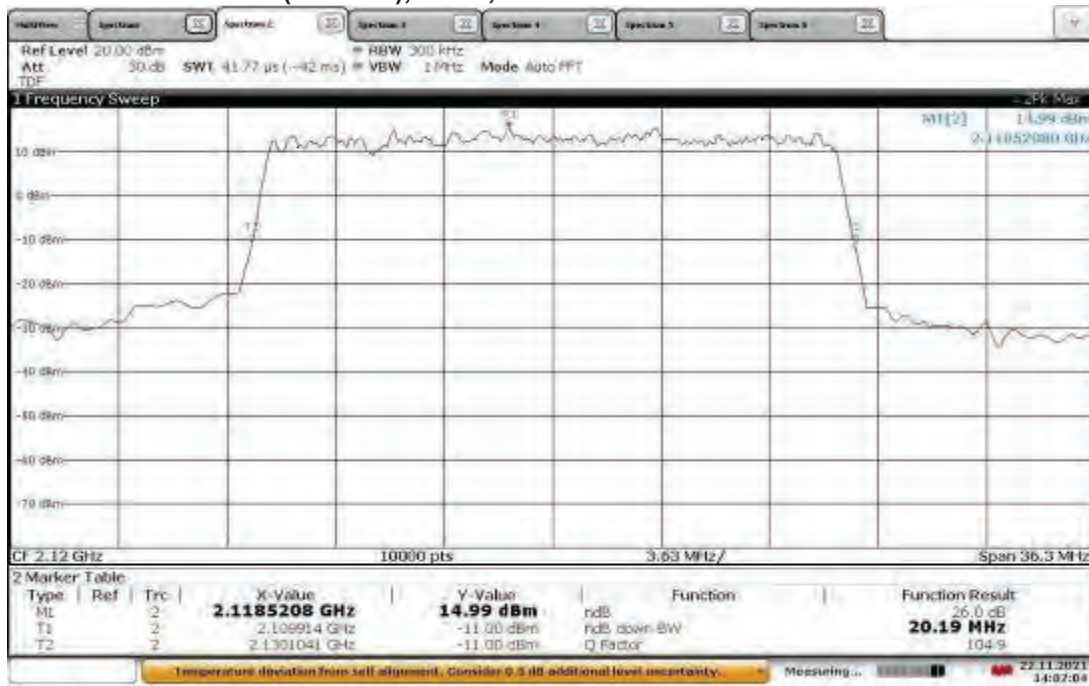
TM1.1-QPSK_15 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel 26 dB Bandwidth



TM1.1-QPSK_15 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel 26 dB Bandwidth

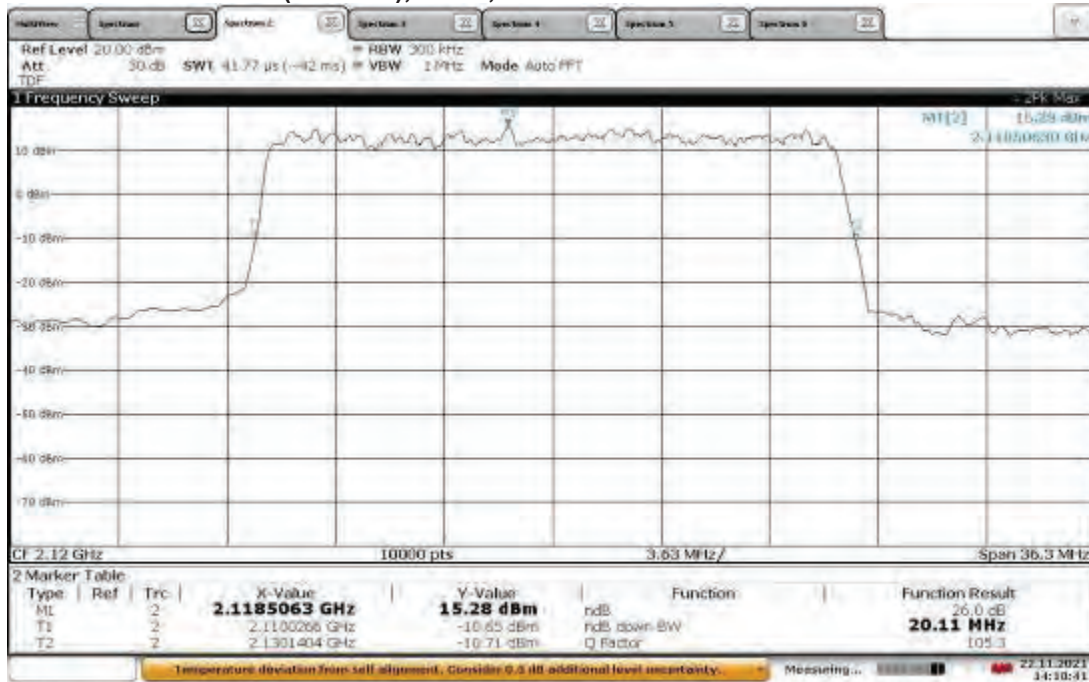


TM1.1-QPSK_20 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel 26 dB Bandwidth



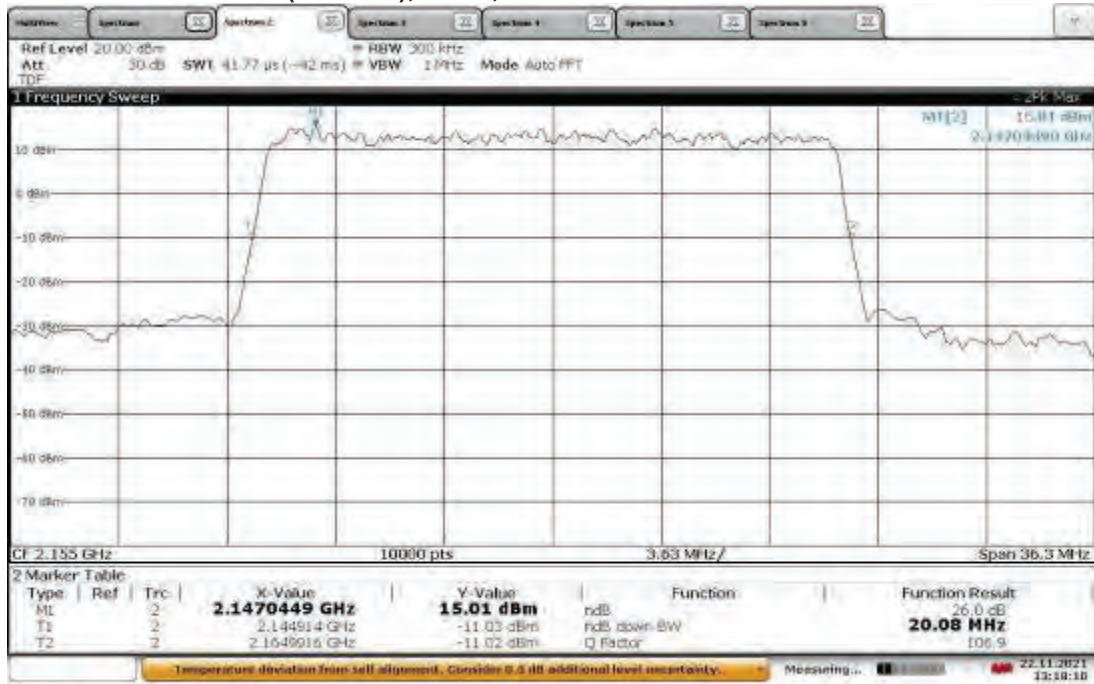
14:07:04 22.11.2021

TM1.1-QPSK_20 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel 26 dB Bandwidth



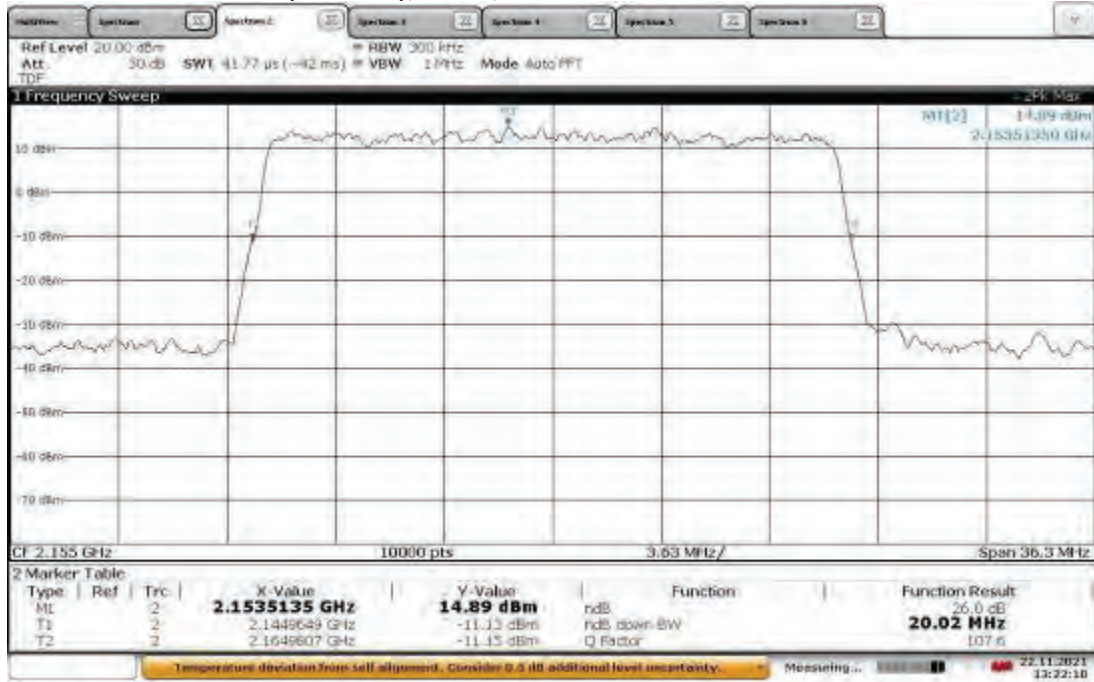
14:10:42 22.11.2021

TM1.1-QPSK_20 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel 26 dB Bandwidth



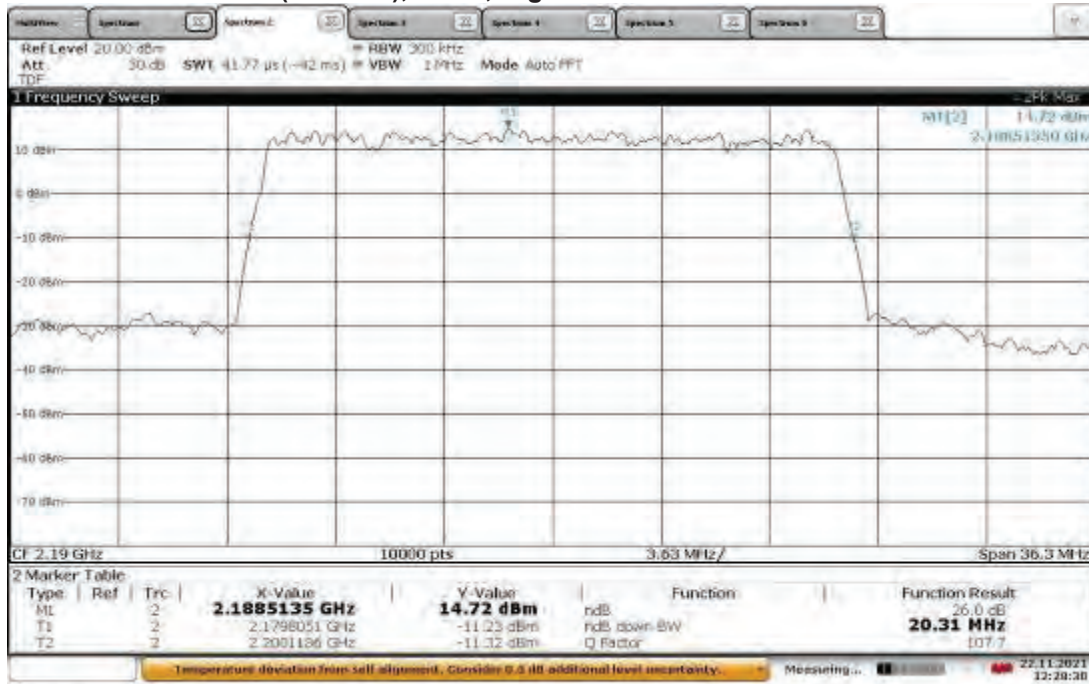
13:18:11 22.11.2021

TM1.1-QPSK_20 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel 26 dB Bandwidth



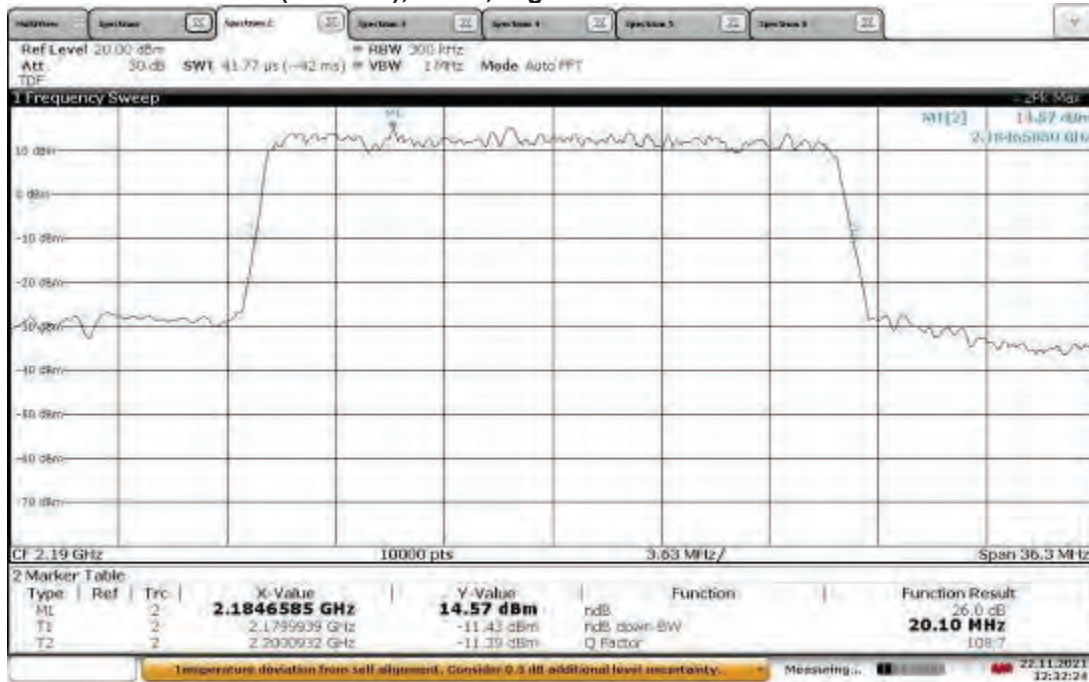
13:22:10 22.11.2021

TM1.1-QPSK_20 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel 26 dB Bandwidth



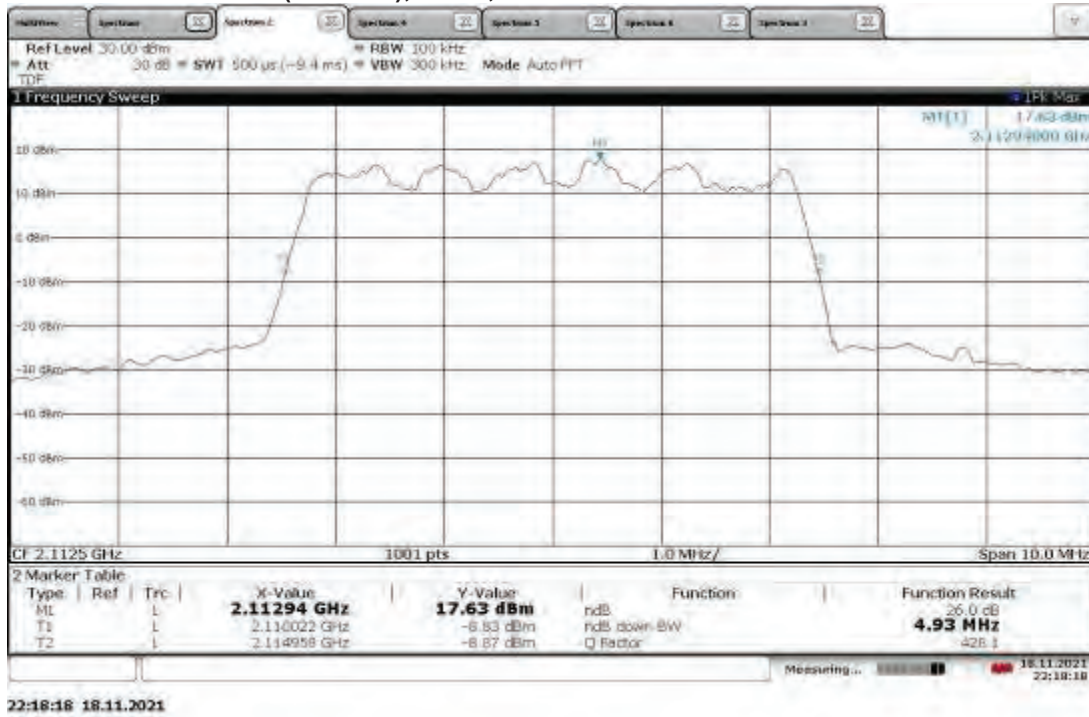
12:28:30 22.11.2021

TM1.1-QPSK_20 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel 26 dB Bandwidth

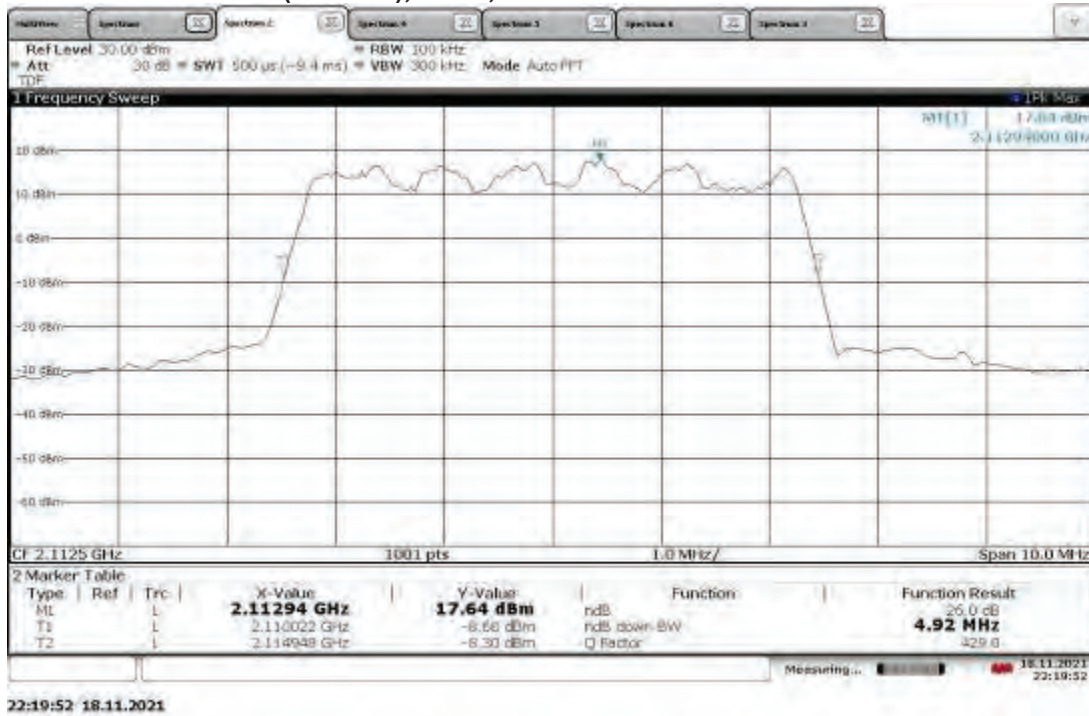


12:32:24 22.11.2021

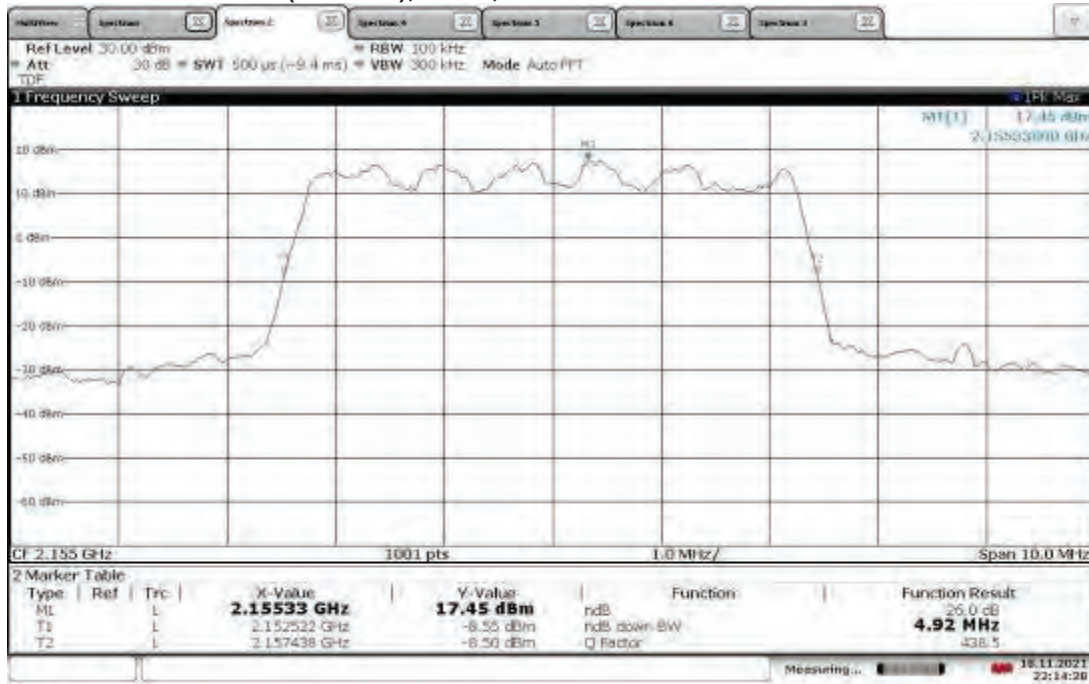
TM3.2-16QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel 26 dB Bandwidth



TM3.2-16QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel 26 dB Bandwidth

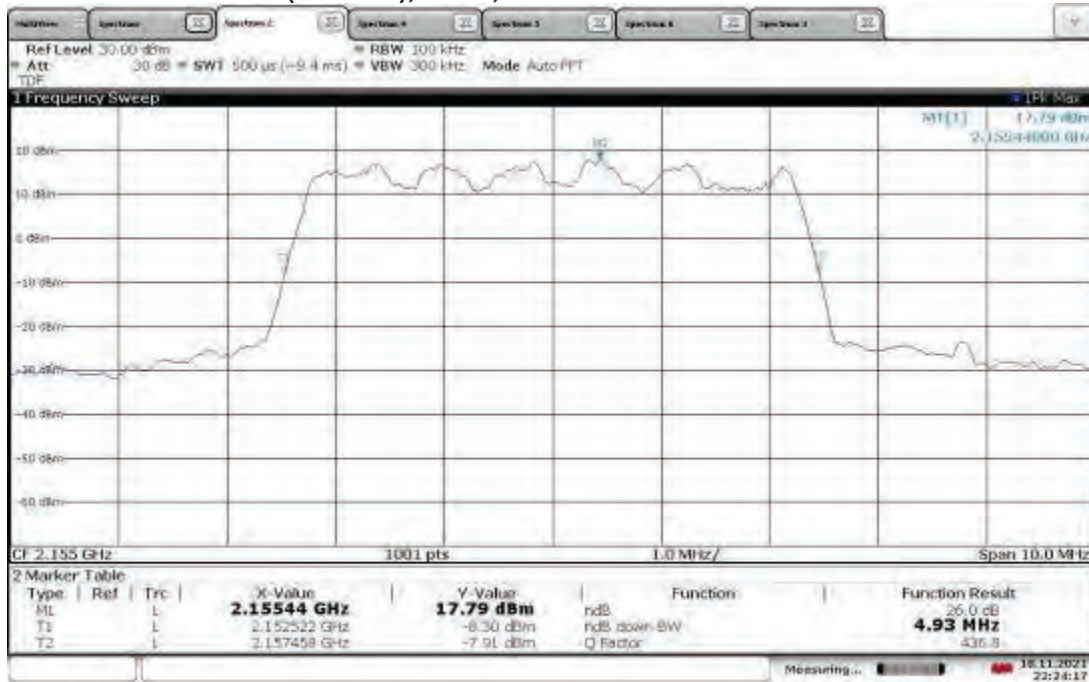


**TM3.2-16QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel 26 dB Bandwidth**



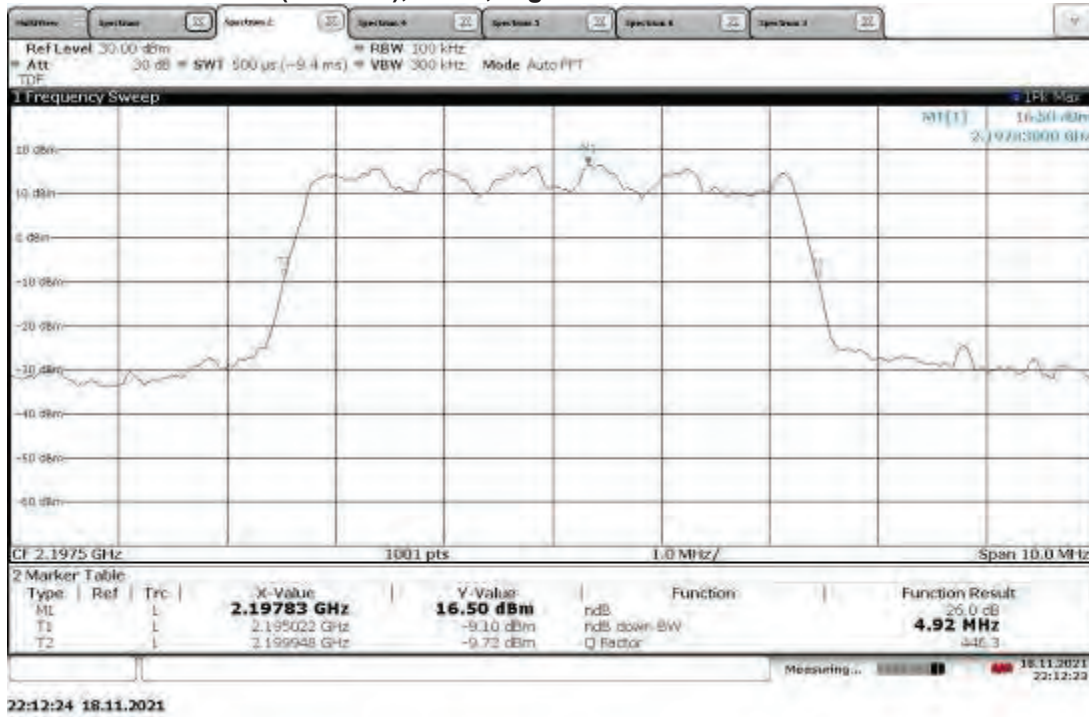
22:14:29 18.11.2021

**TM3.2-16QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel 26 dB Bandwidth**

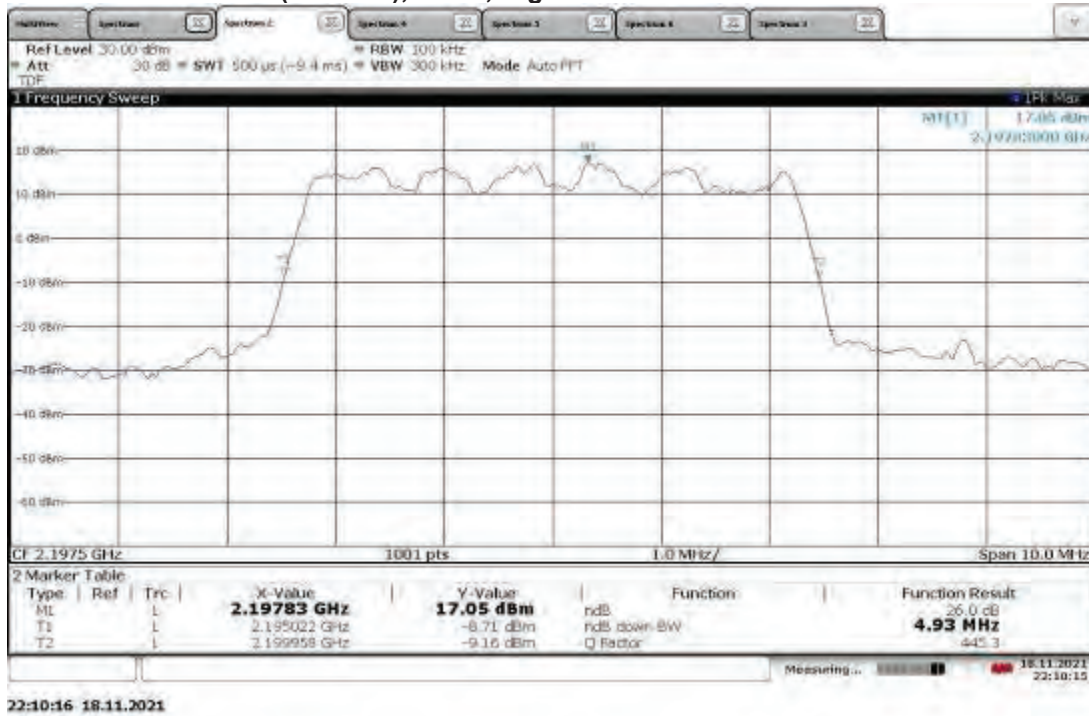


22:24:17 18.11.2021

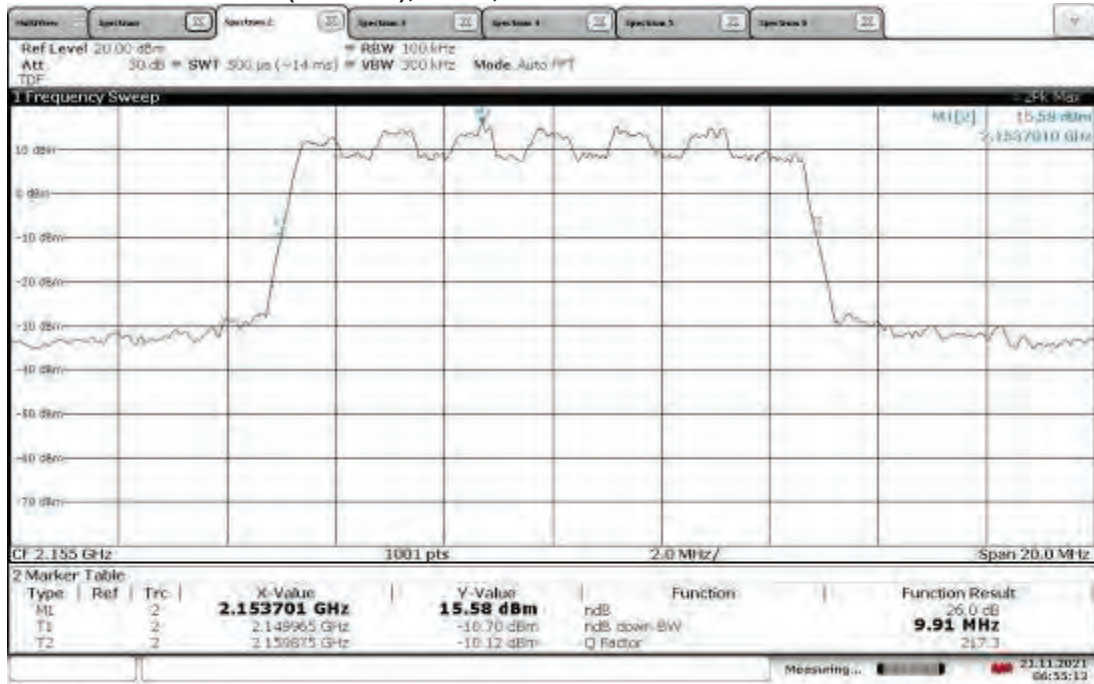
**TM3.2-16QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel 26 dB Bandwidth**



**TM3.2-16QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel 26 dB Bandwidth**

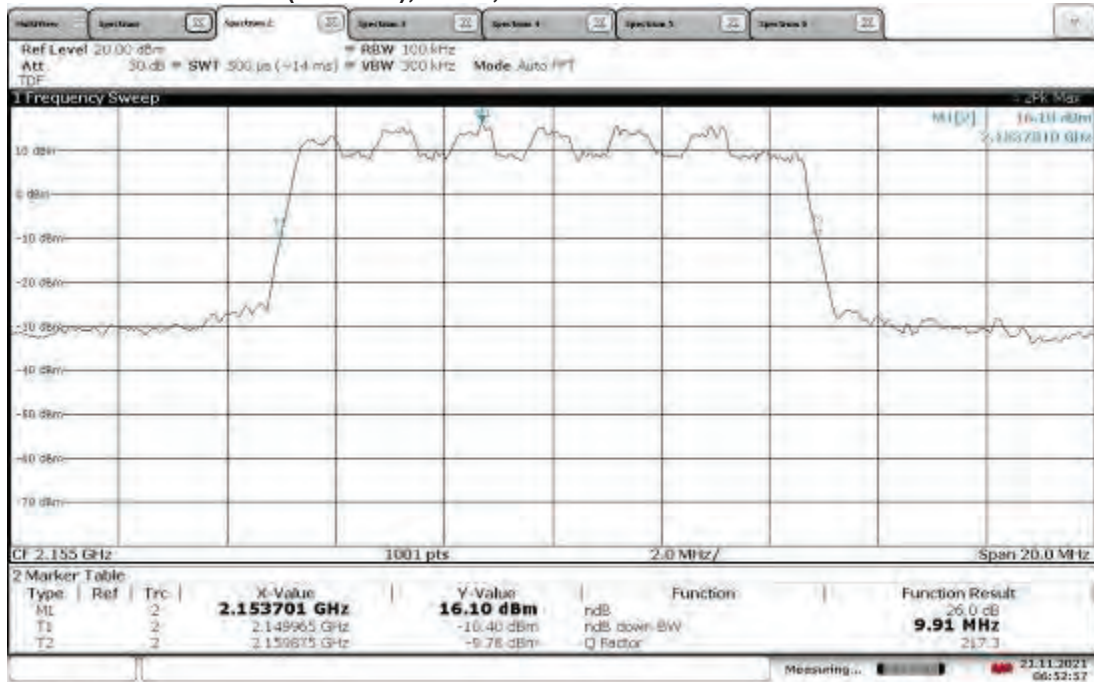


**TM3.2-16QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel 26 dB Bandwidth**



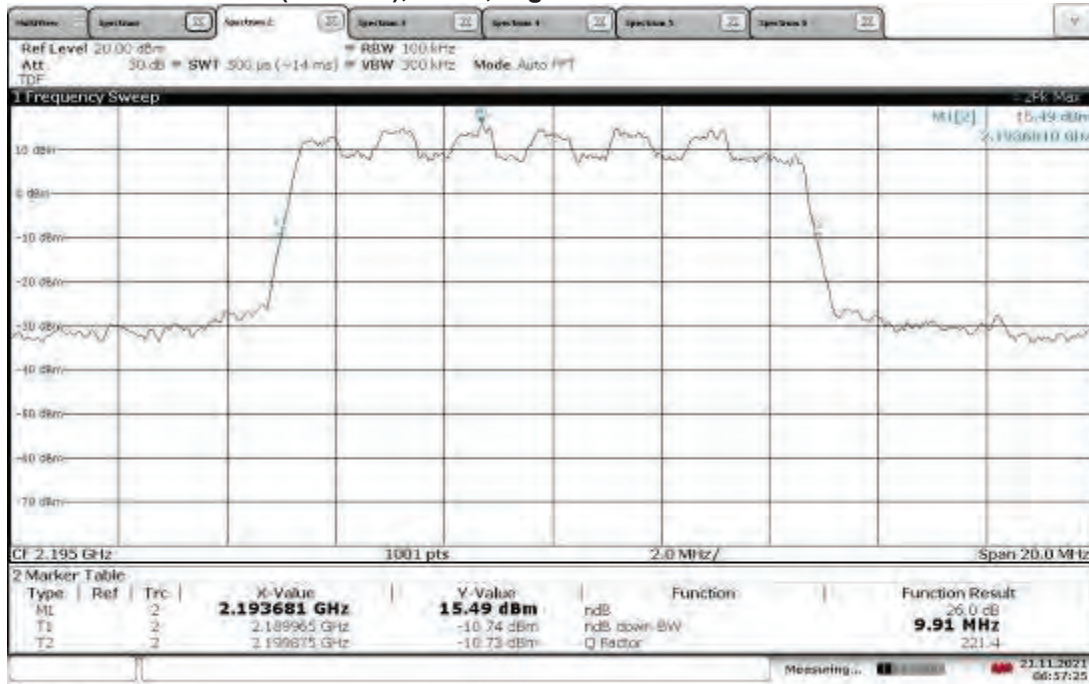
06:55:14 21.11.2021

**TM3.2-16QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel 26 dB Bandwidth**



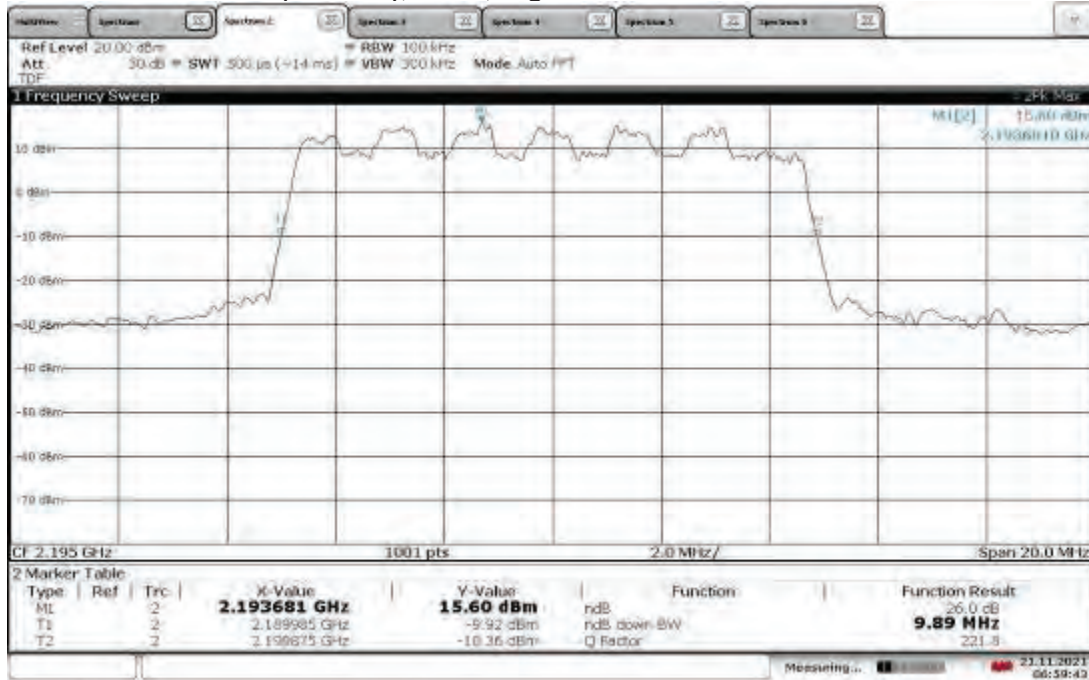
06:52:57 21.11.2021

**TM3.2-16QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel 26 dB Bandwidth**



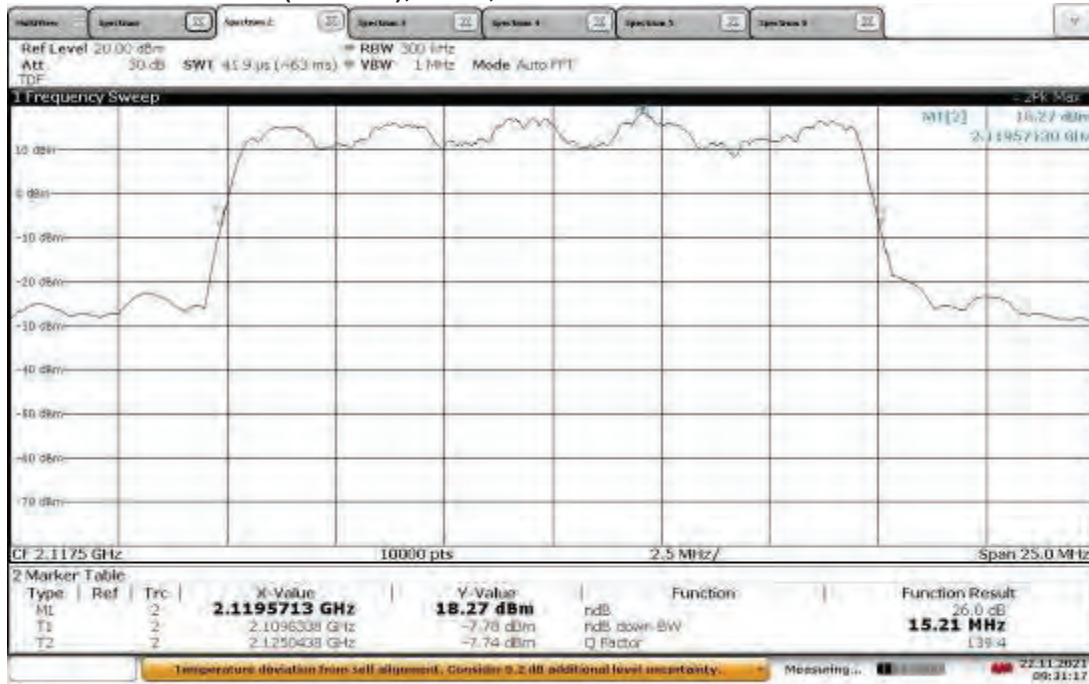
06:57:26 21.11.2021

**TM3.2-16QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel 26 dB Bandwidth**



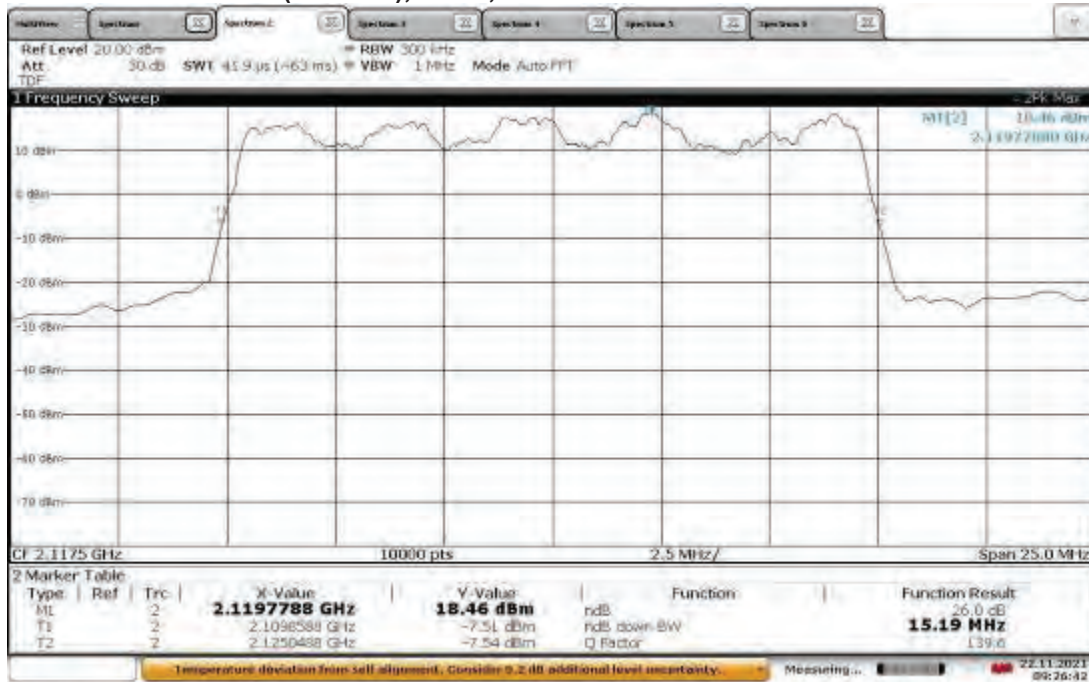
06:58:44 21.11.2021

**TM3.2-16QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel 26 dB Bandwidth**



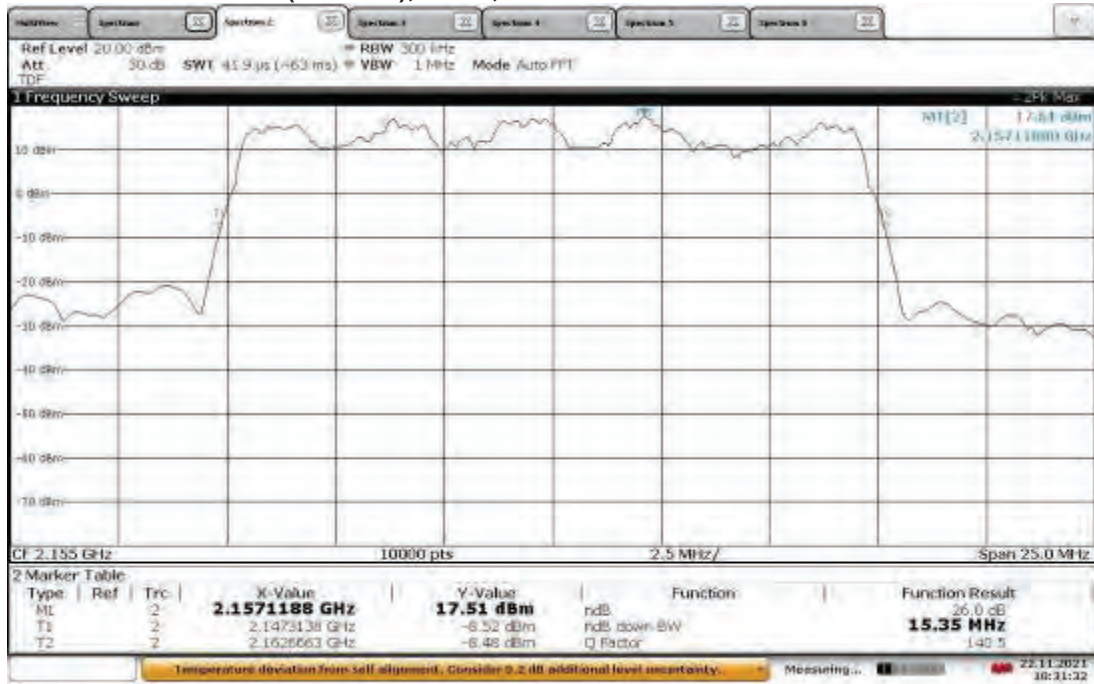
09:31:17 22.11.2021

**TM3.2-16QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel 26 dB Bandwidth**



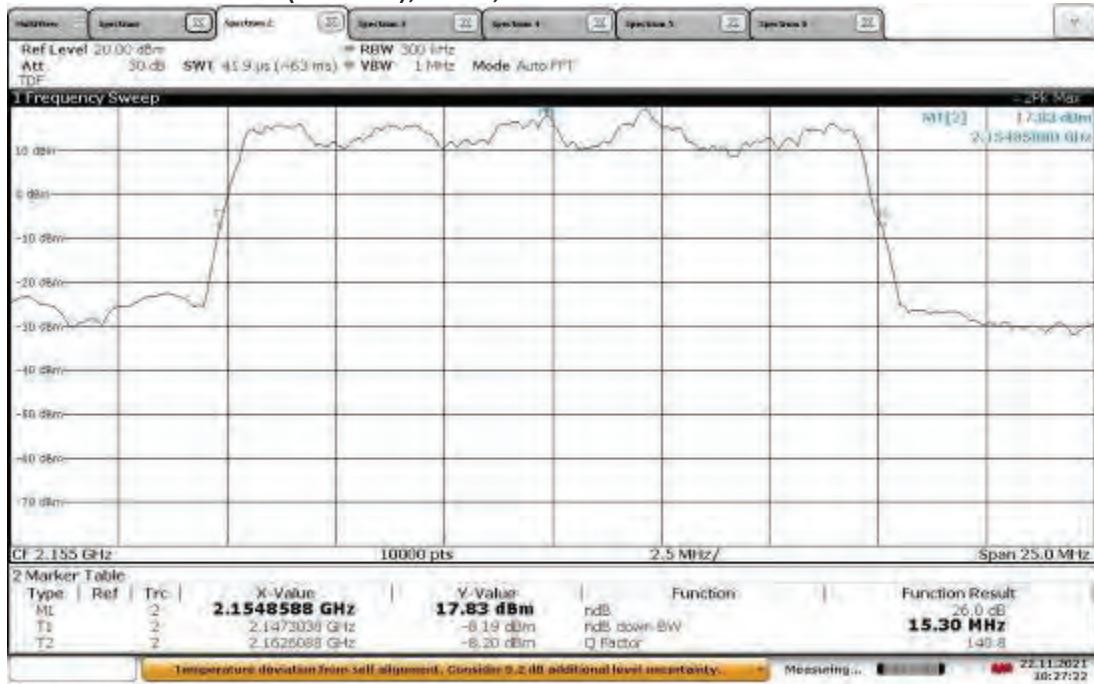
09:26:42 22.11.2021

**TM3.2-16QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel 26 dB Bandwidth**



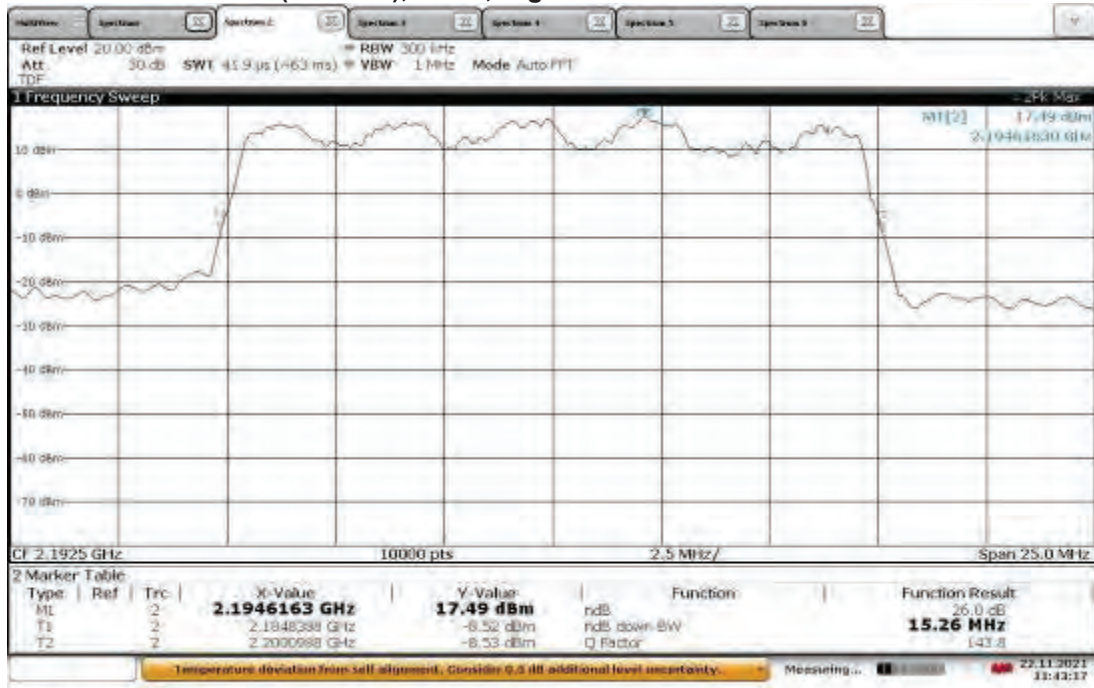
10:31:32 22.11.2021

**TM3.2-16QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel 26 dB Bandwidth**



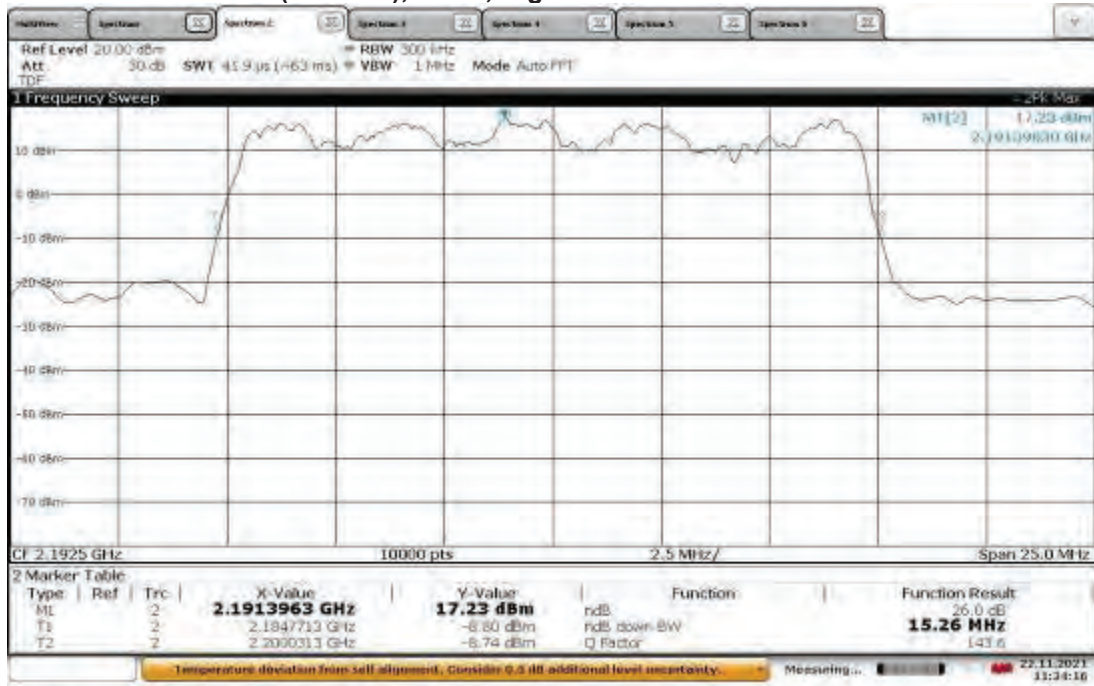
10:27:22 22.11.2021

**TM3.2-16QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel 26 dB Bandwidth**



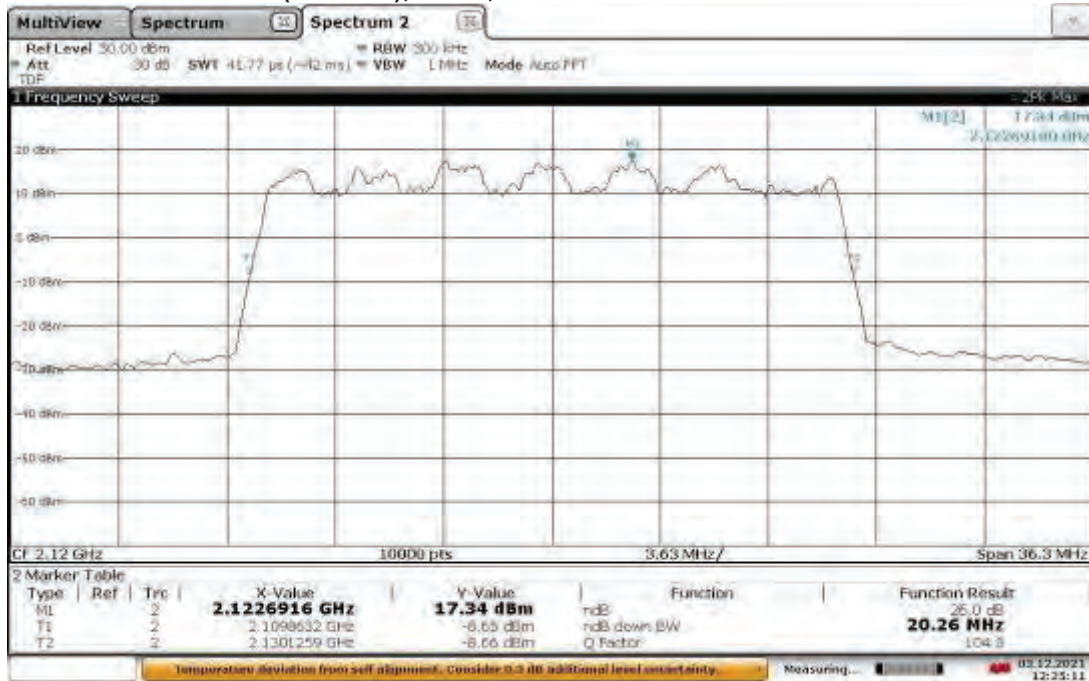
11:43:17 22.11.2021

**TM3.2-16QAM_15 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel 26 dB Bandwidth**



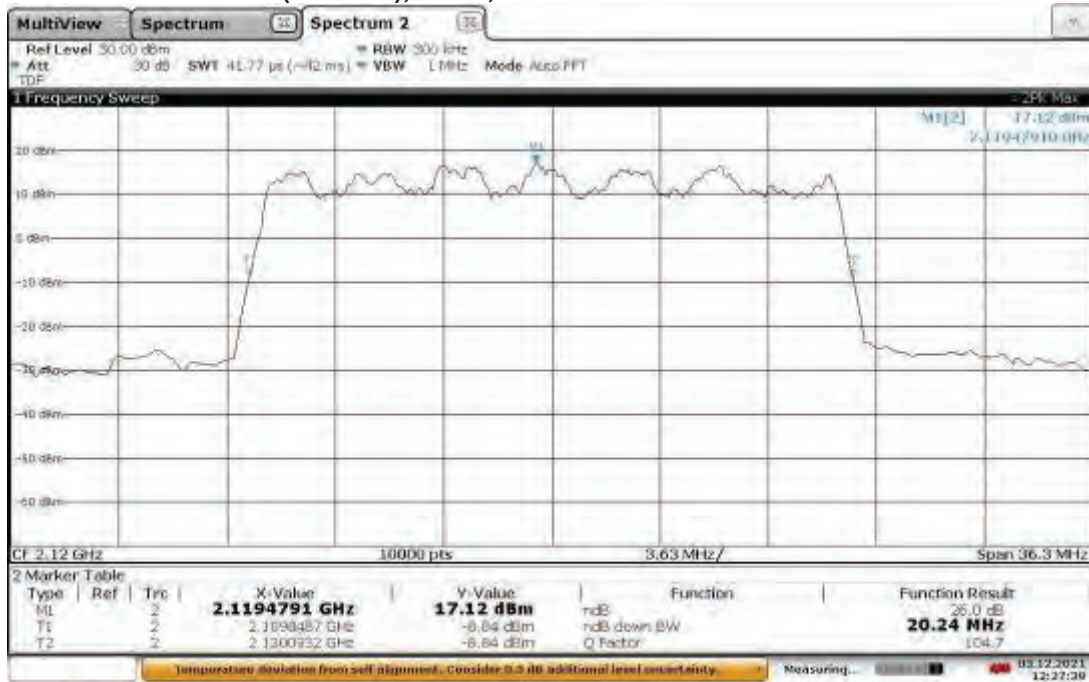
11:44:17 22.11.2021

TM3.2-16QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel 26 dB Bandwidth



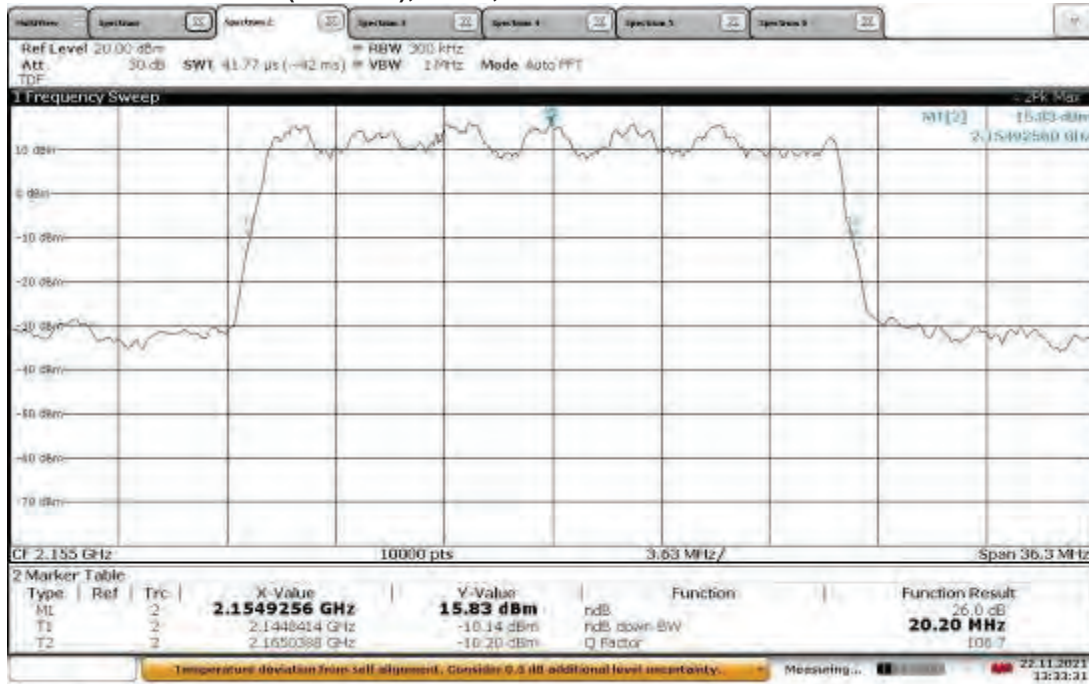
12:25:12 03.12.2021

TM3.2-16QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel 26 dB Bandwidth



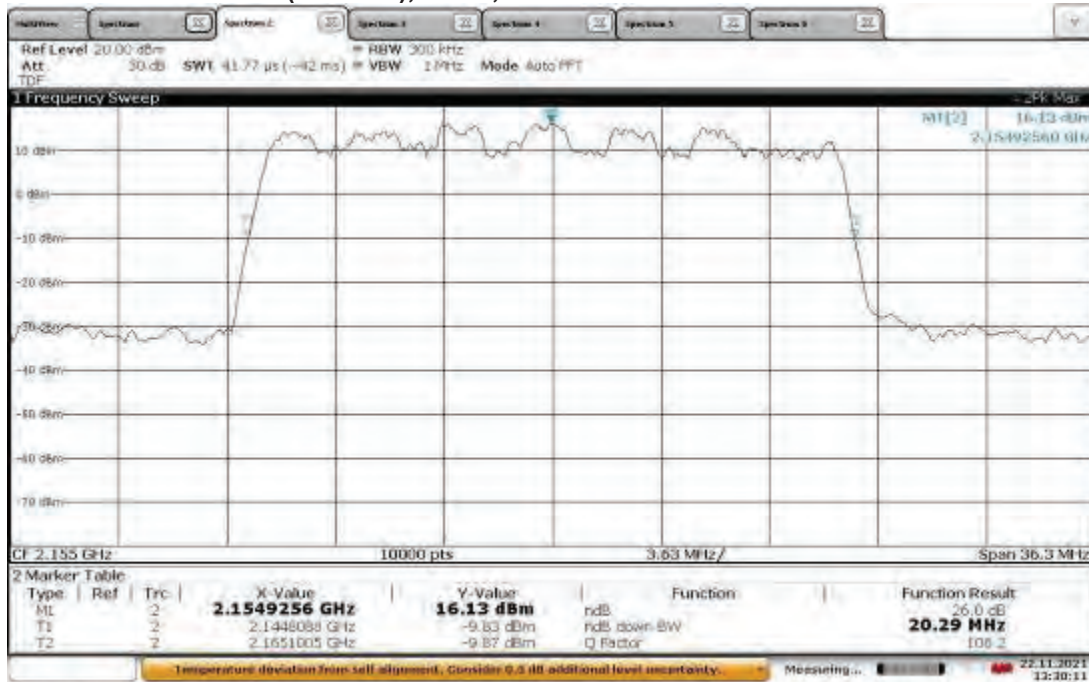
12:27:39 03.12.2021

**TM3.2-16QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel 26 dB Bandwidth**



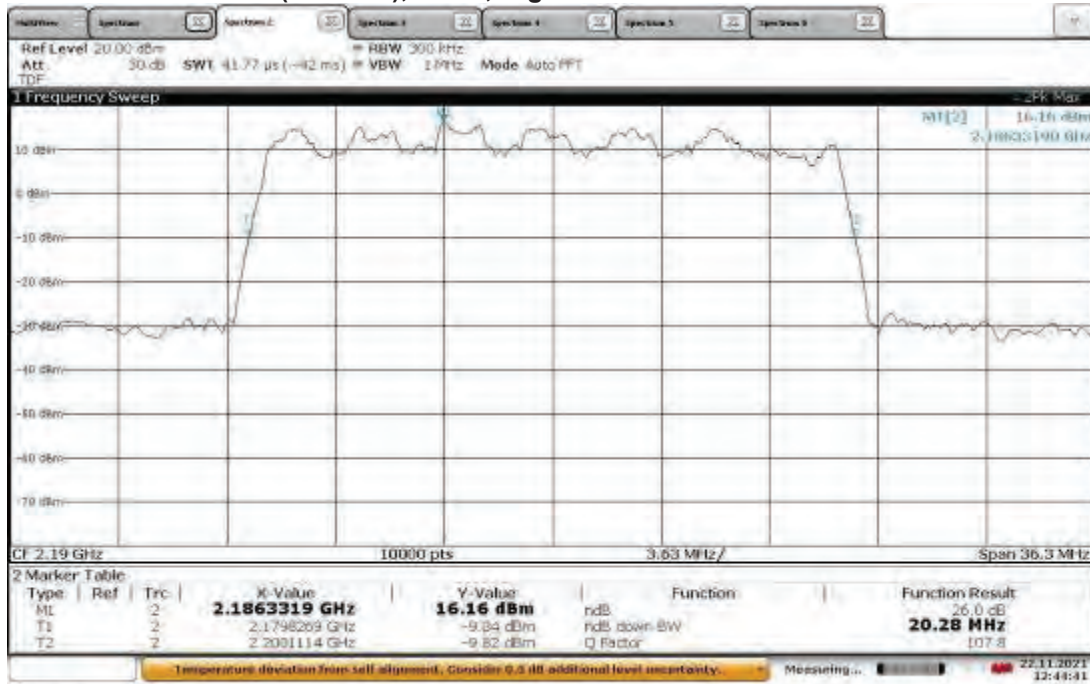
13:33:31 22.11.2021

**TM3.2-16QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel 26 dB Bandwidth**



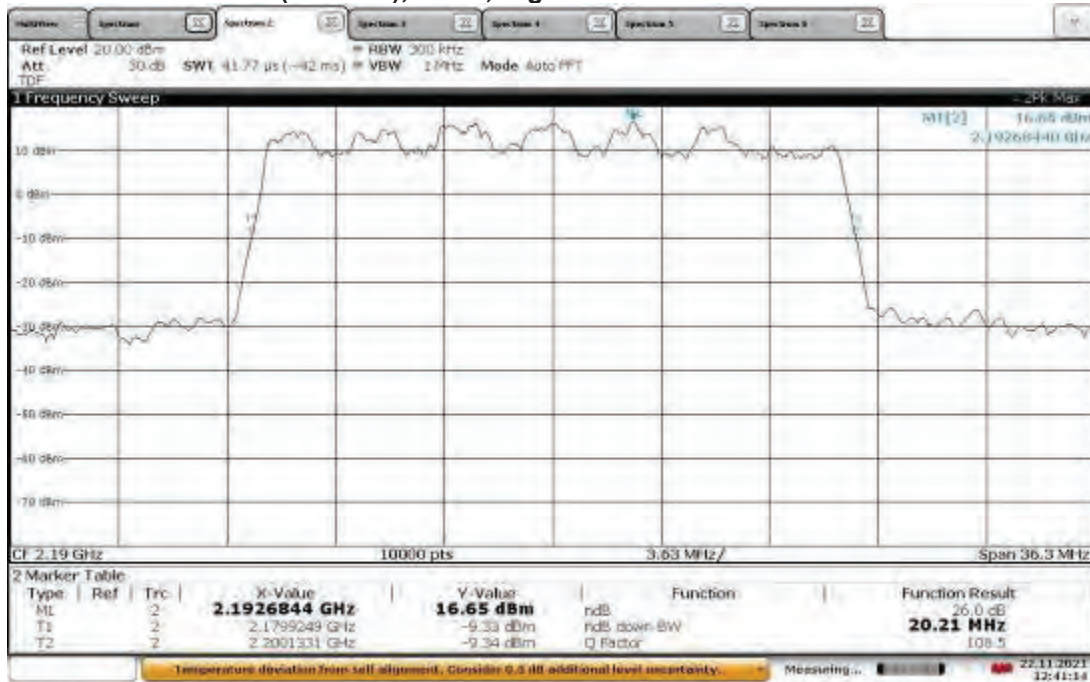
13:30:11 22.11.2021

**TM3.2-16QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel 26 dB Bandwidth**



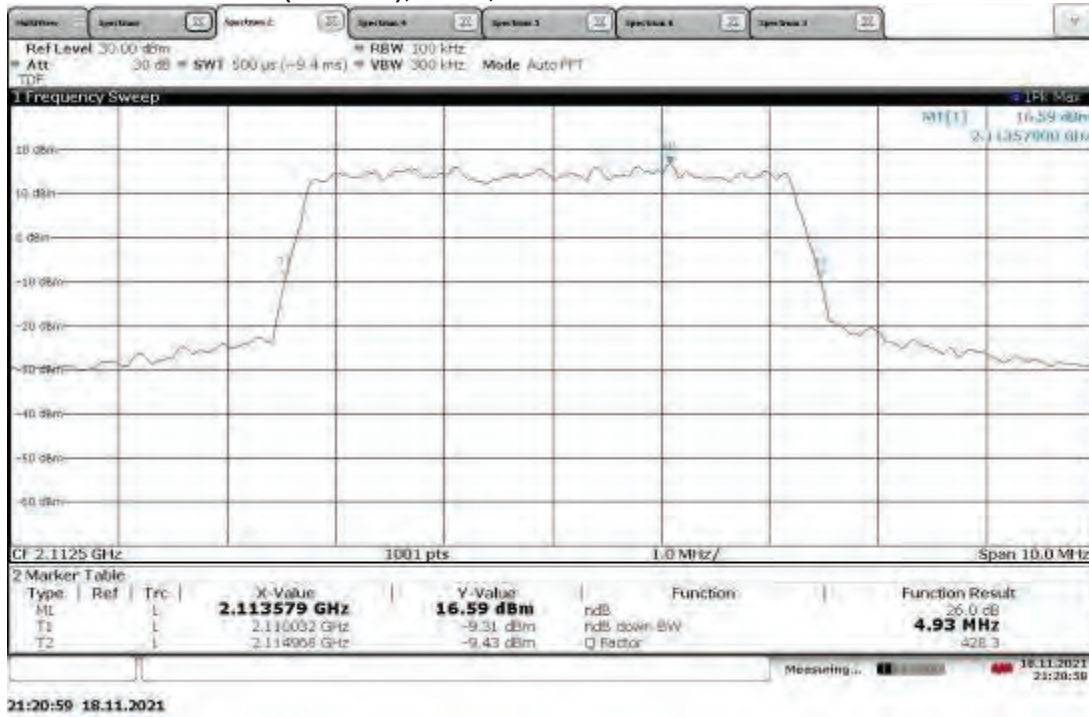
12:44:41 22.11.2021

**TM3.2-16QAM_20 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel 26 dB Bandwidth**

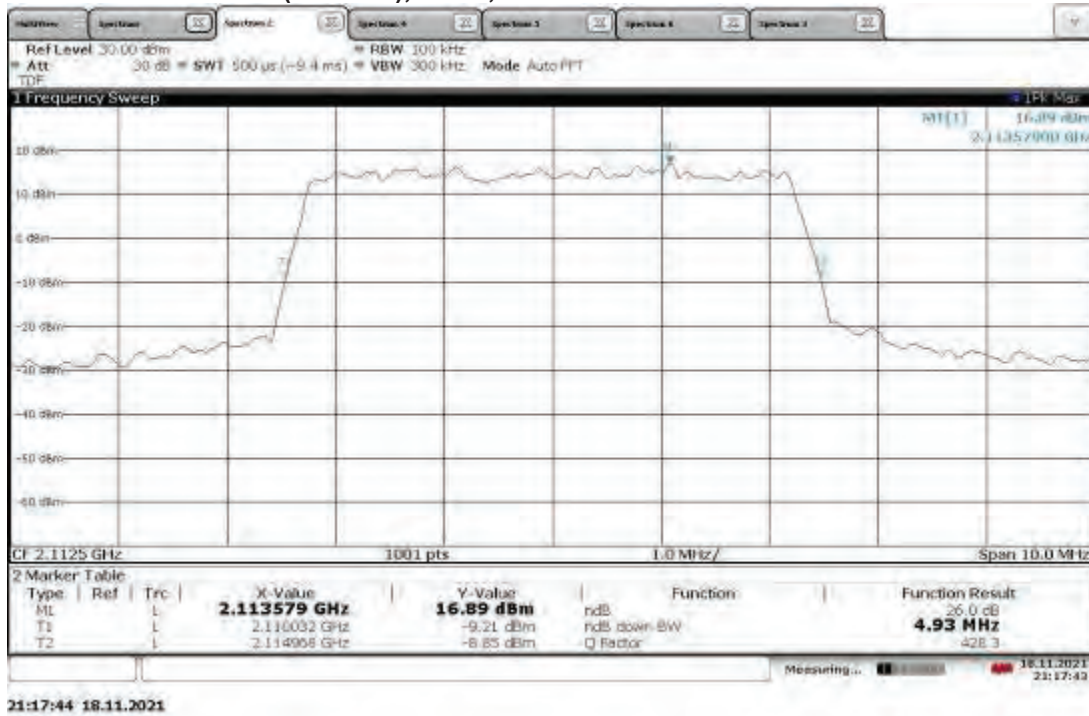


12:41:14 22.11.2021

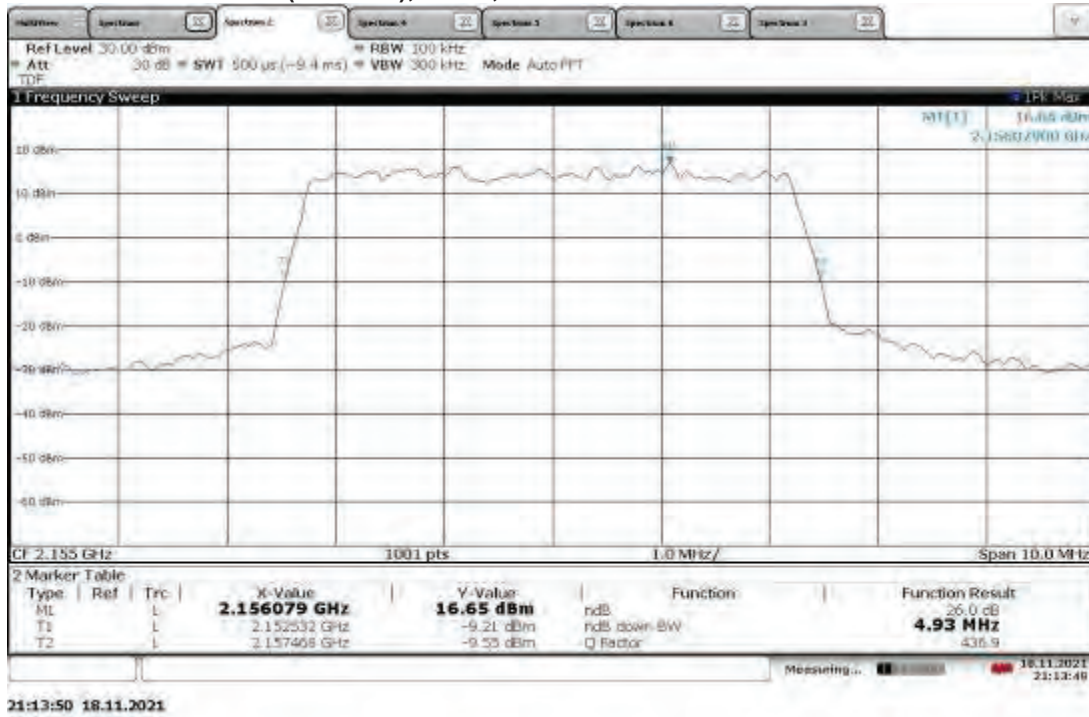
TM3.1-64QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel 26 dB Bandwidth



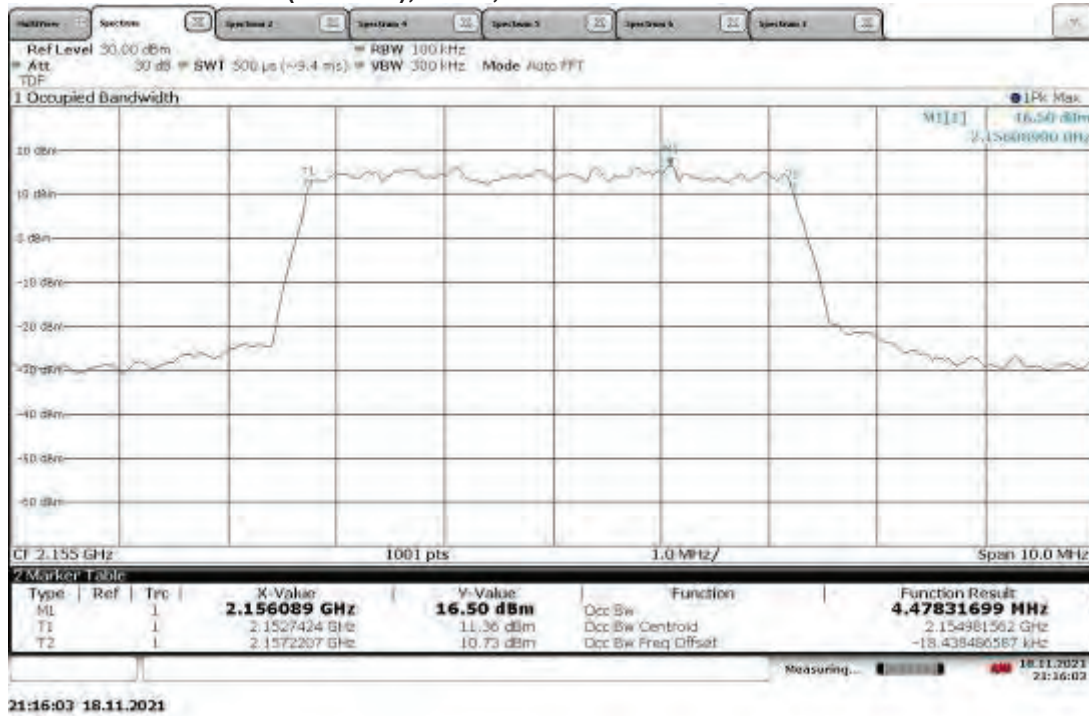
TM3.1-64QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel 26 dB Bandwidth

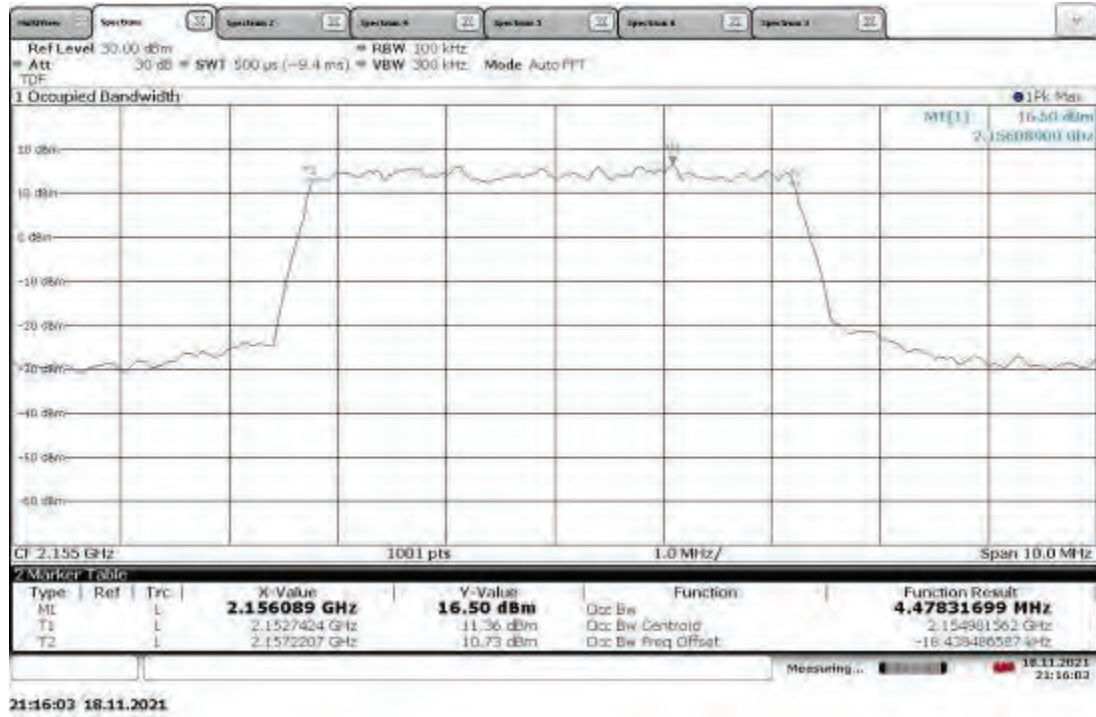


TM3.1-64QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel 26 dB Bandwidth

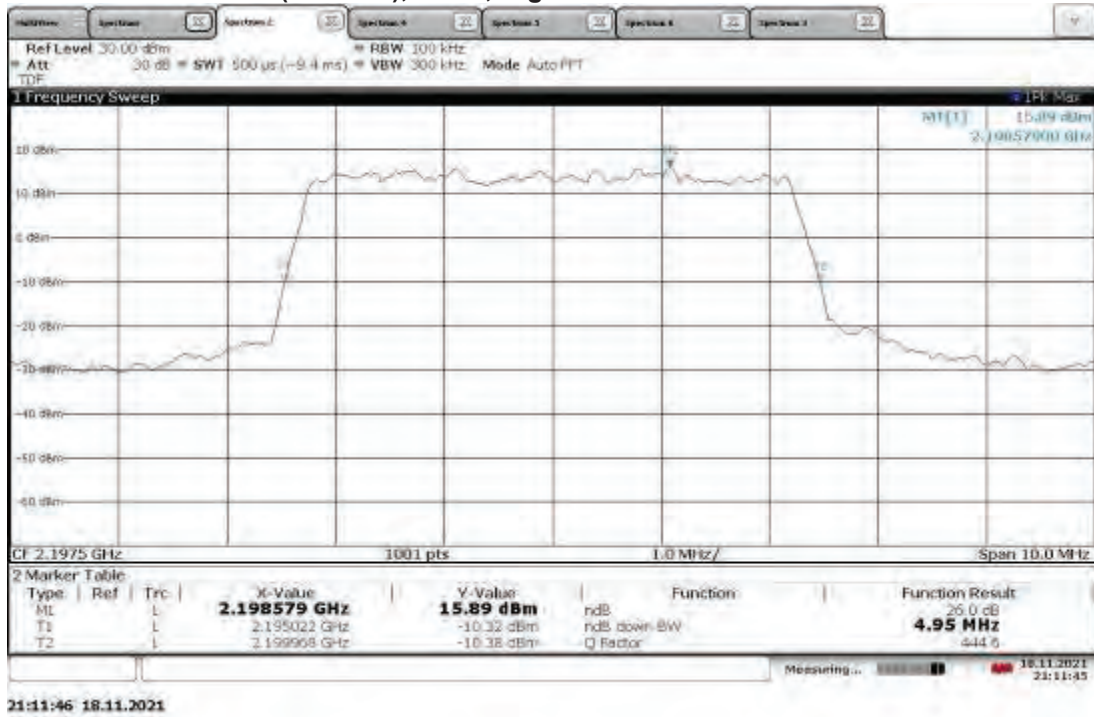


TM3.1-64QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel 26 dB Bandwidth

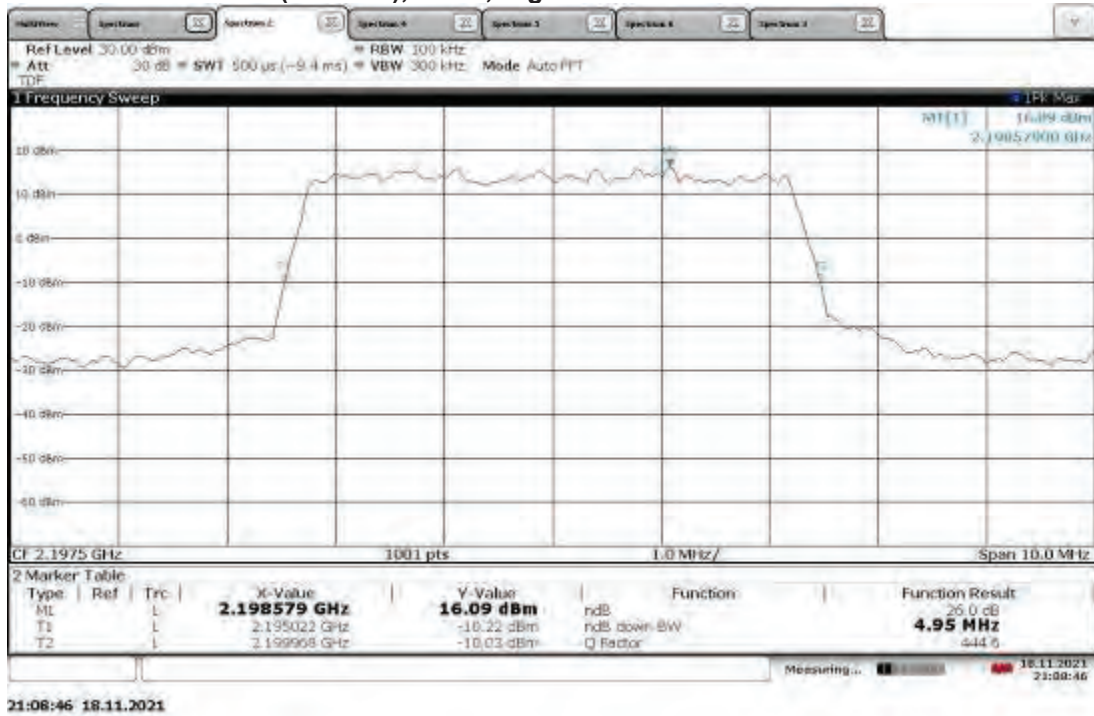




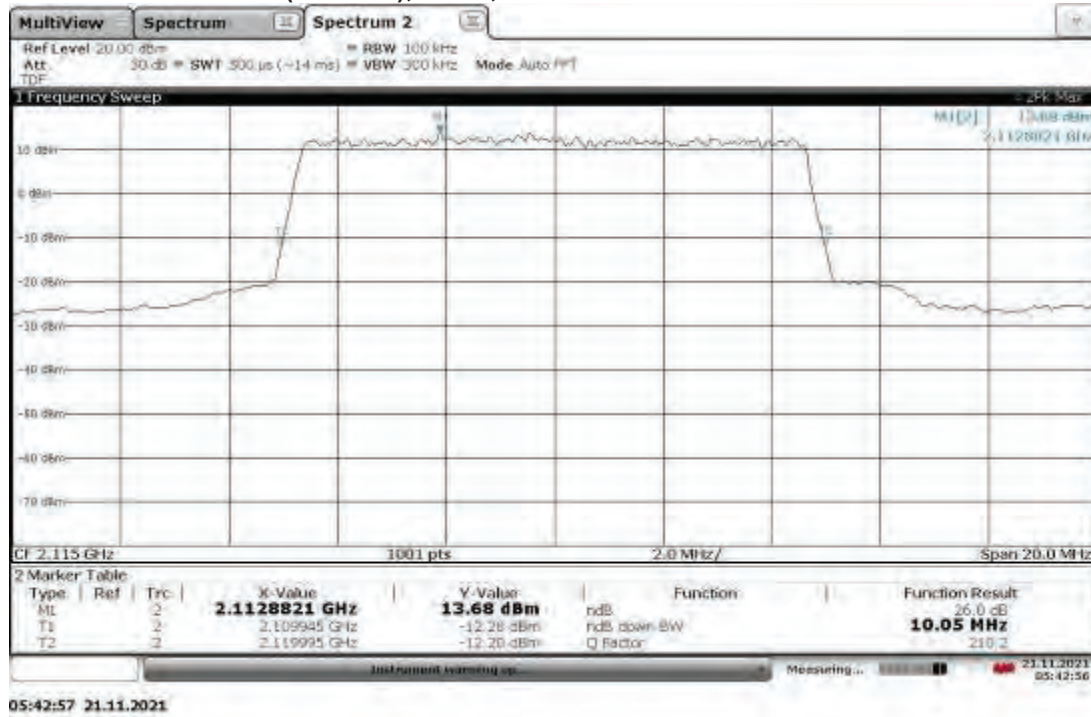
TM3.1-64QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT0, High Channel 26 dB Bandwidth



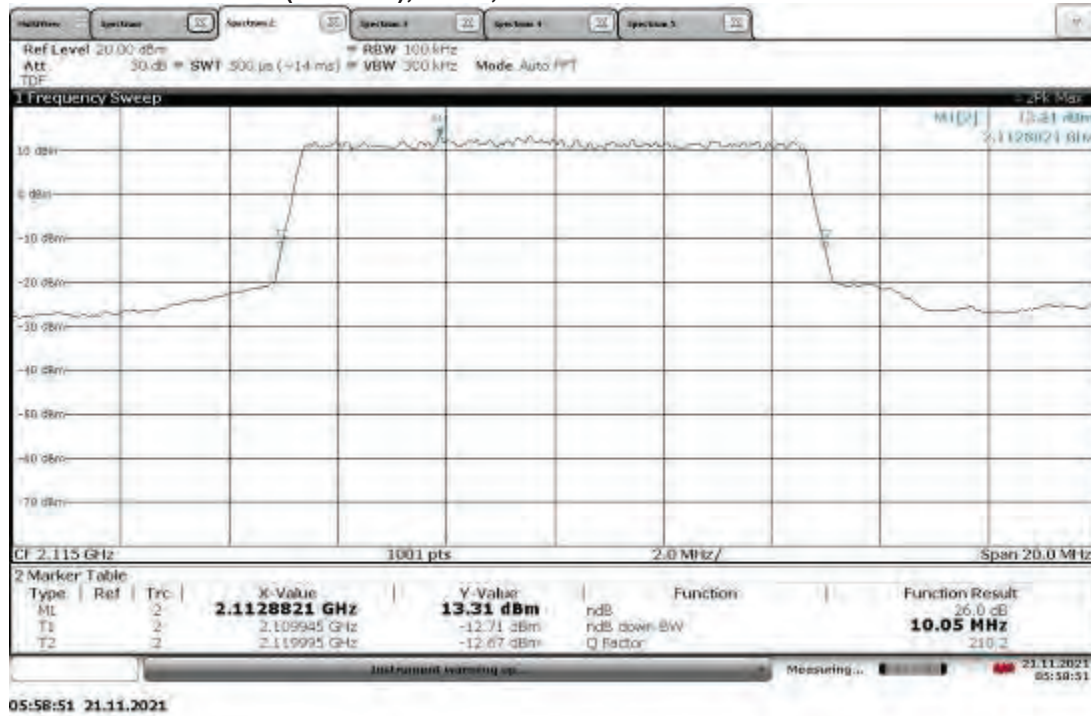
TM3.1-64QAM_5 MHz Bandwidth
Slot 2(Band 66), ANT1, High Channel 26 dB Bandwidth



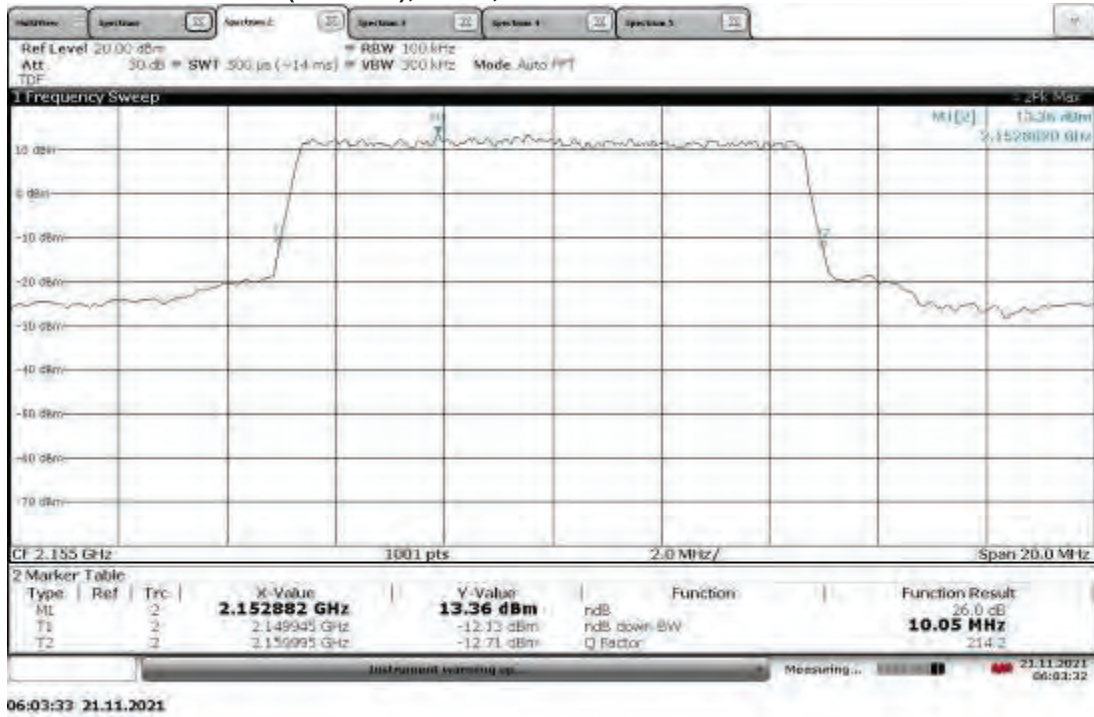
TM3.1-64QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT0, Low Channel 26 dB Bandwidth



TM3.1-64QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT1, Low Channel 26 dB Bandwidth



**TM3.1-64QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT0, Mid Channel 26 dB Bandwidth**



**TM3.1-64QAM_10 MHz Bandwidth
Slot 2(Band 66), ANT1, Mid Channel 26 dB Bandwidth**

