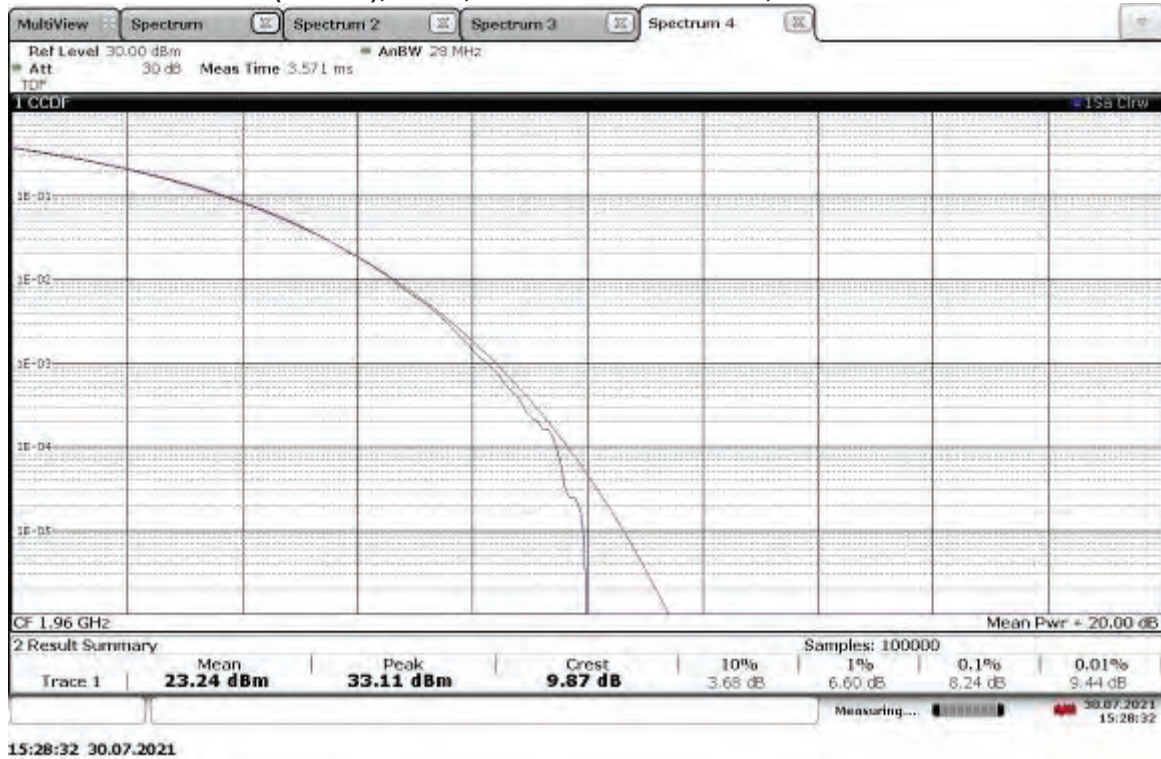
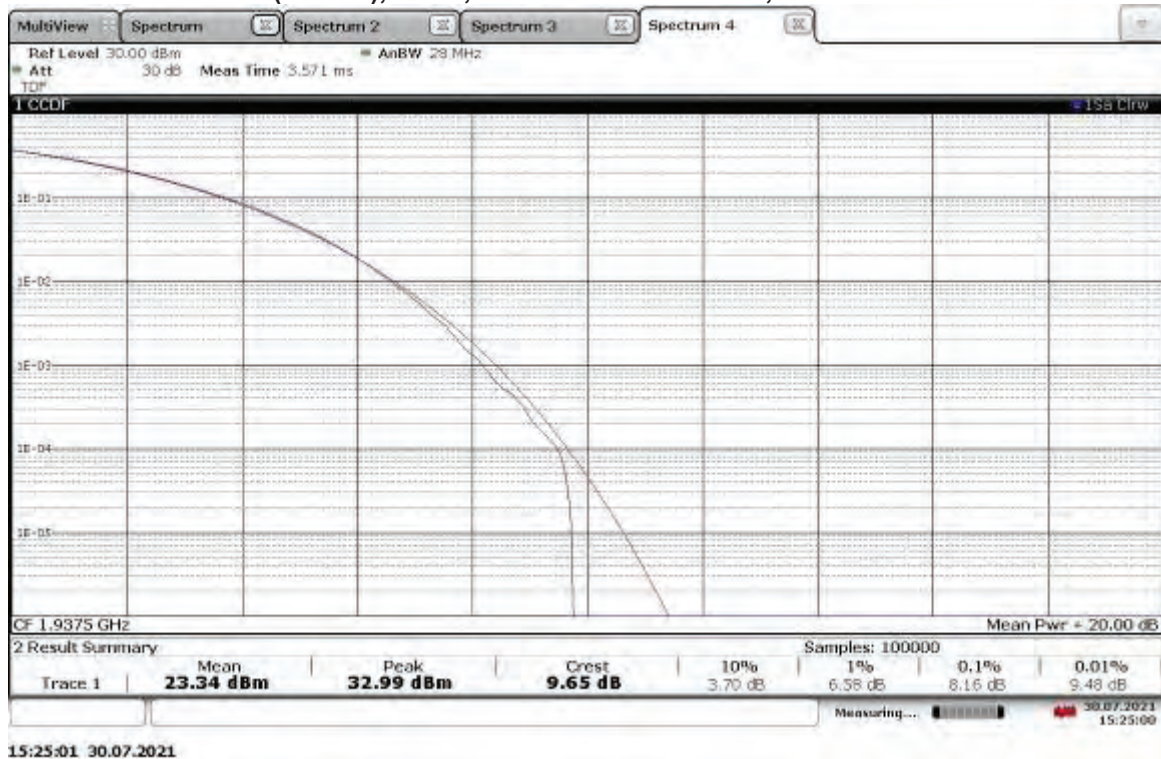
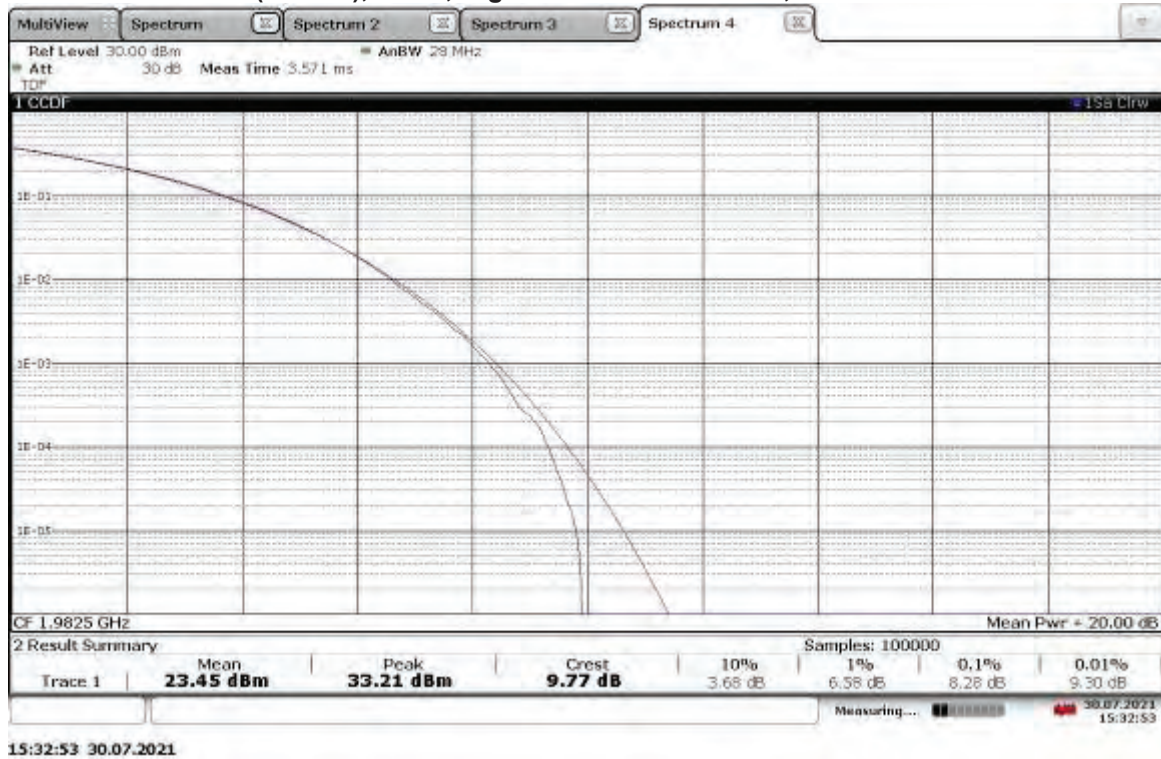
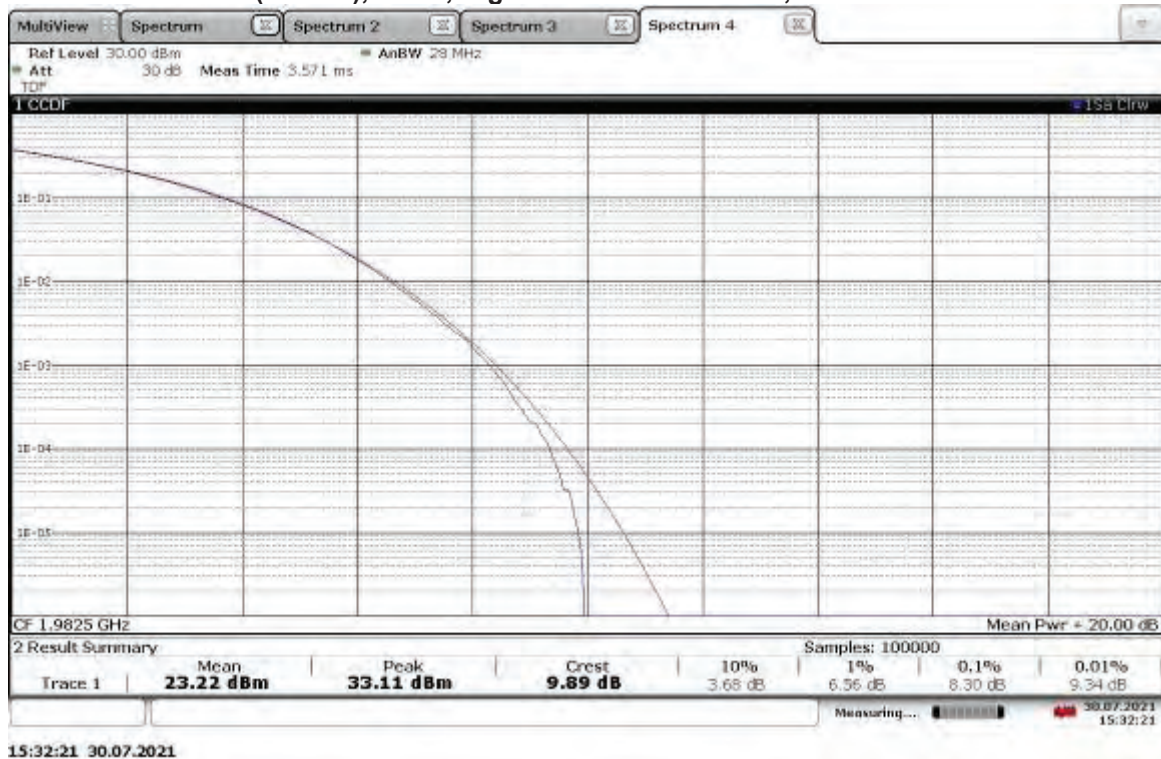
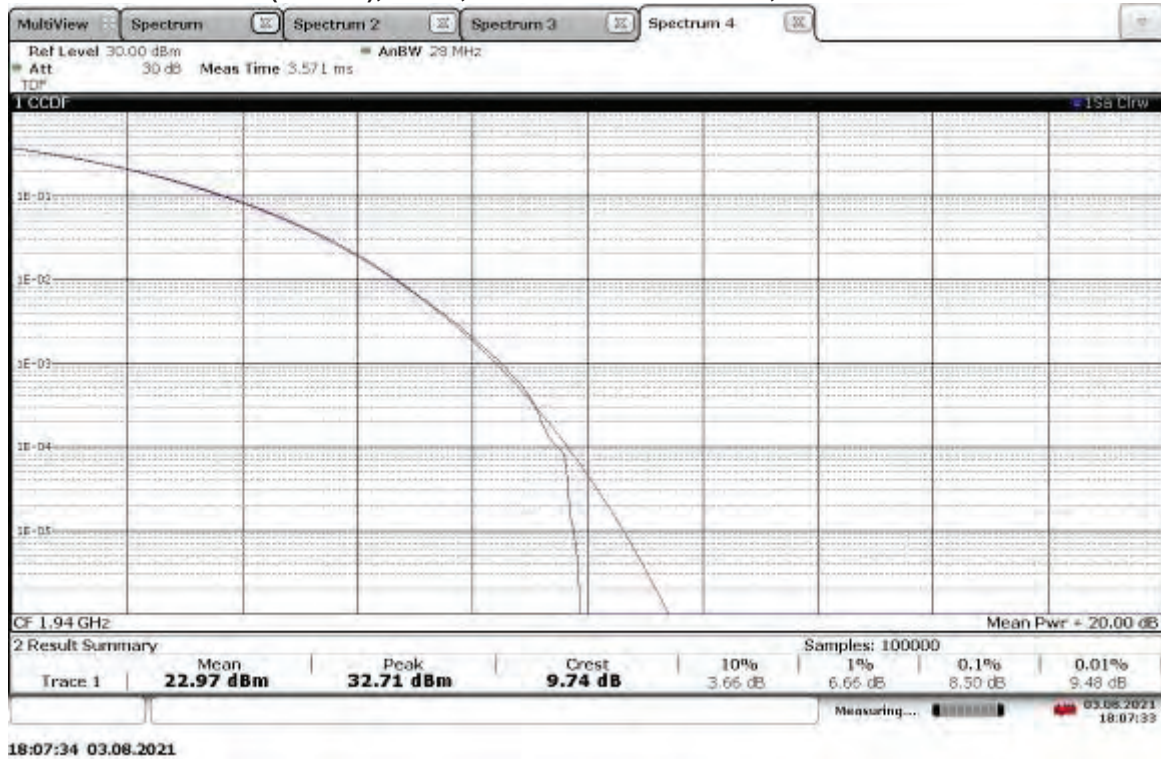


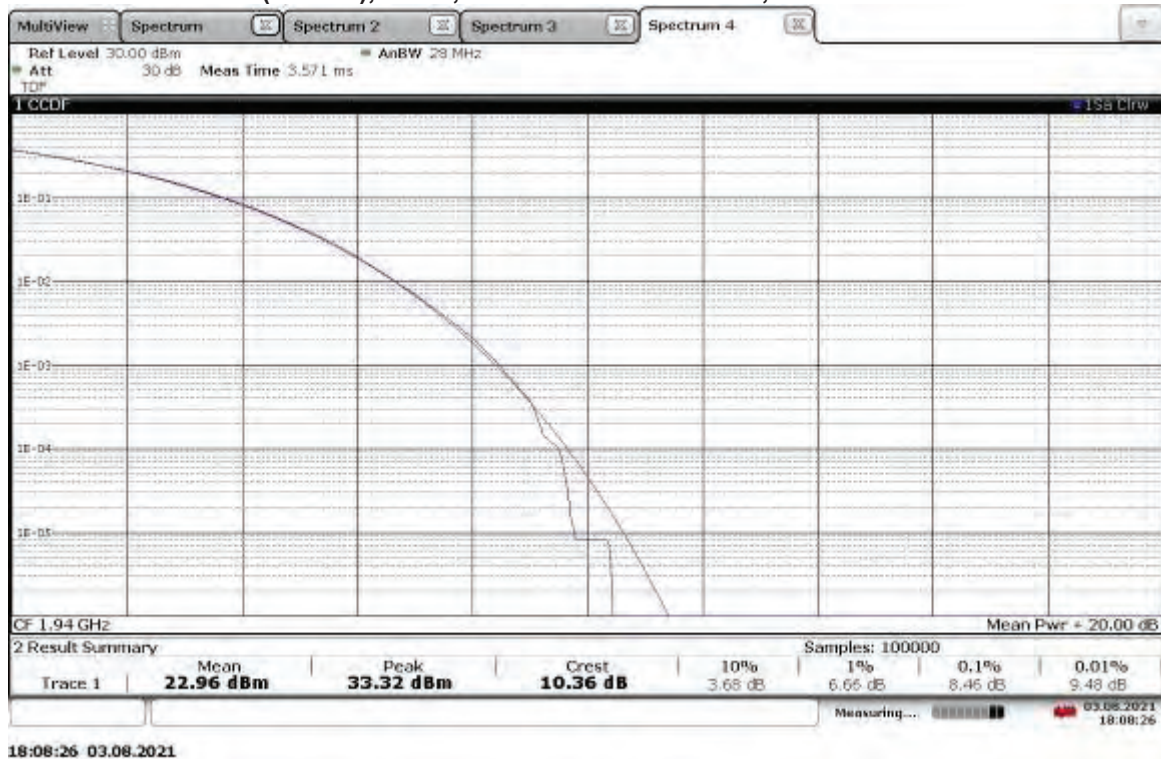
**TM3.1-64QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel 1960 MHz, PAPR = 9.87 dB****TM3.1-64QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT1, Mid Channel 1960 MHz, PAPR = 9.65 dB**

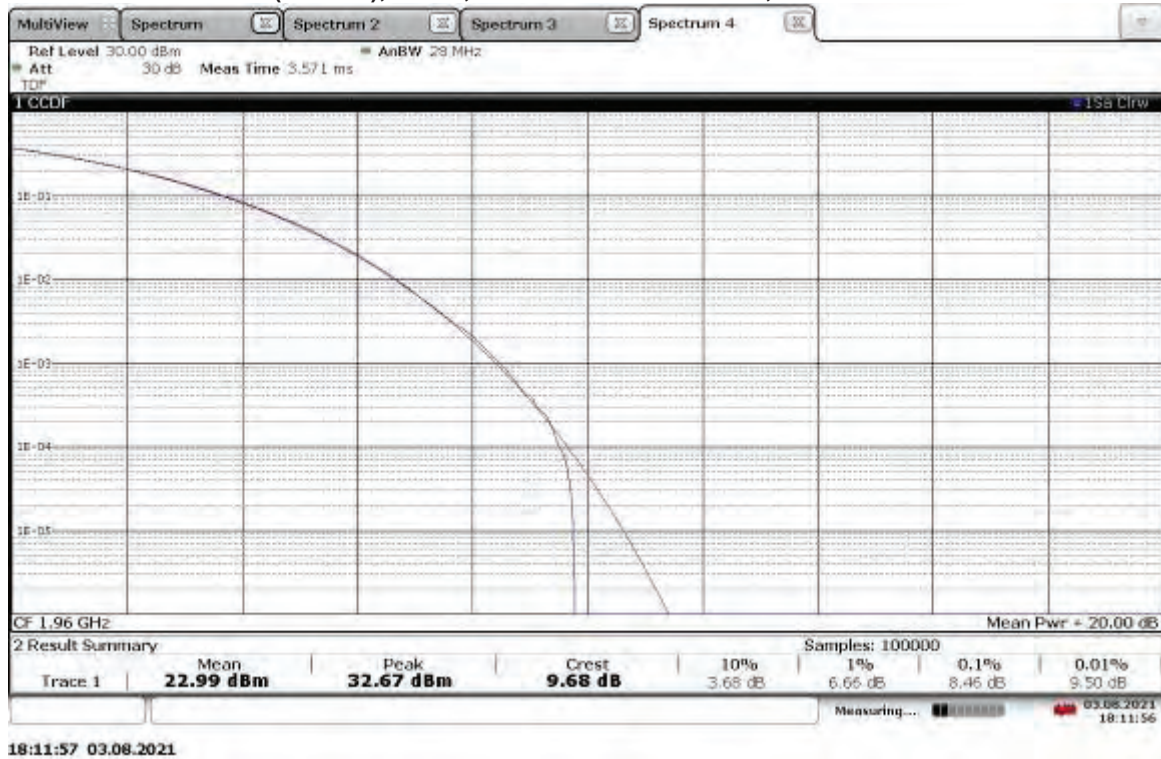
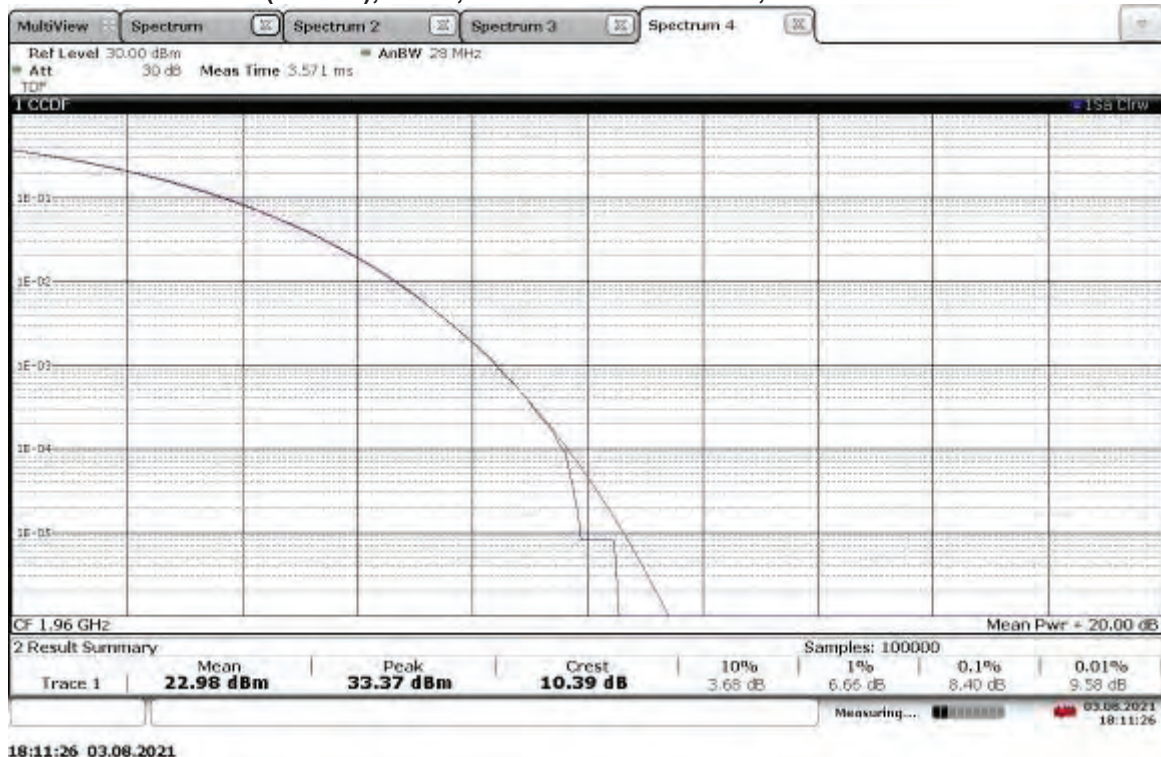
TM3.1-64QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel 1982.5 MHz, PAPR = 9.77 dB**TM3.1-64QAM_15 MHz Bandwidth**
Slot 2 (Band 2), ANT1, High Channel 1982.5 MHz, PAPR = 9.89 dB

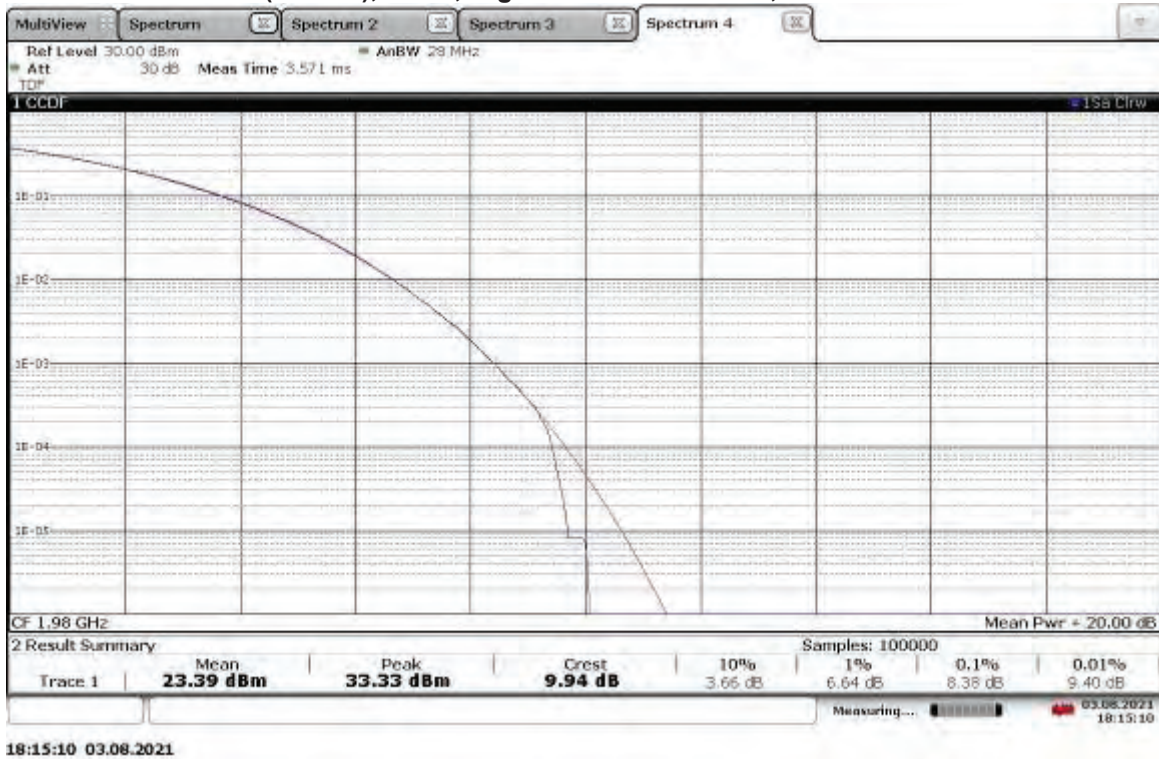
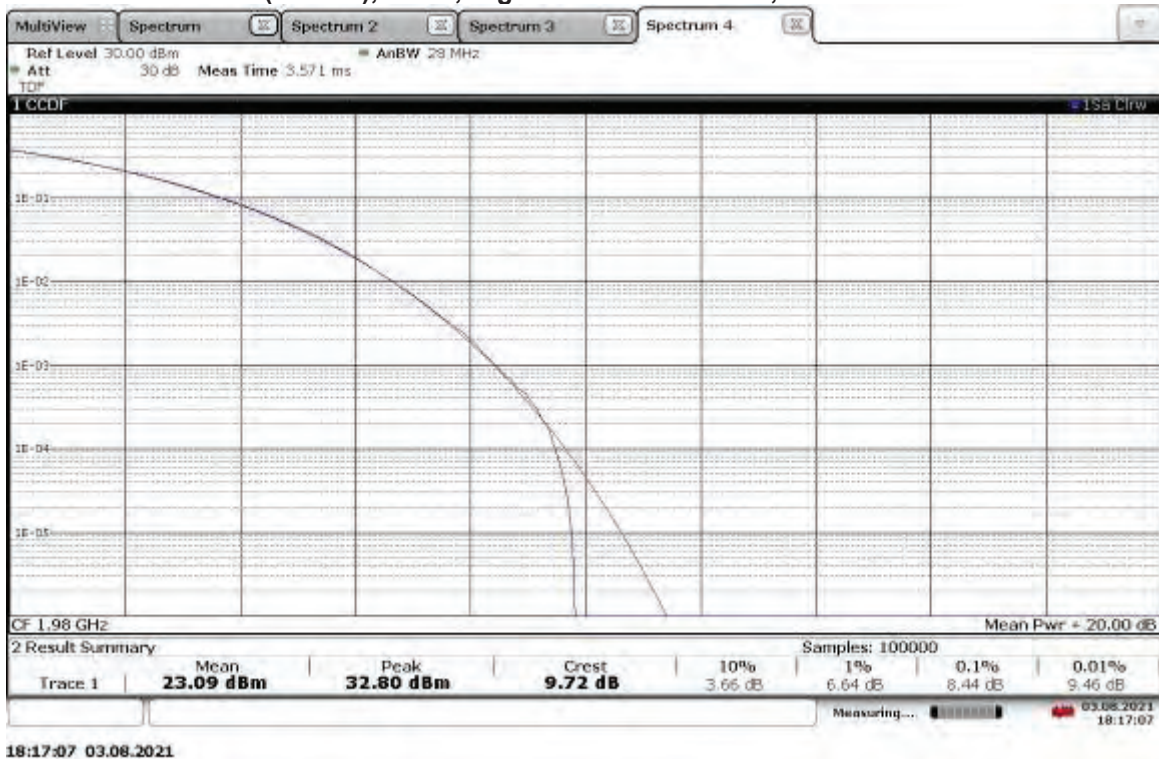
TM3.1-64QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel 1940 MHz, PAPR = 9.74 dB

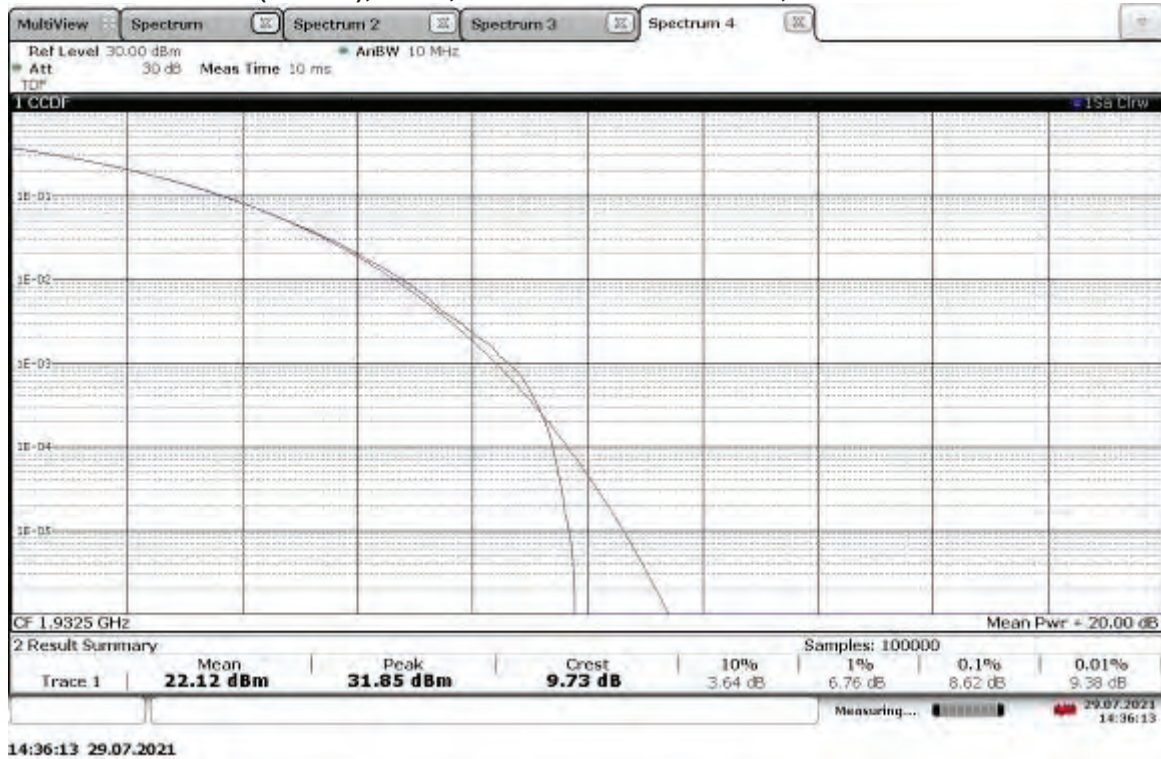
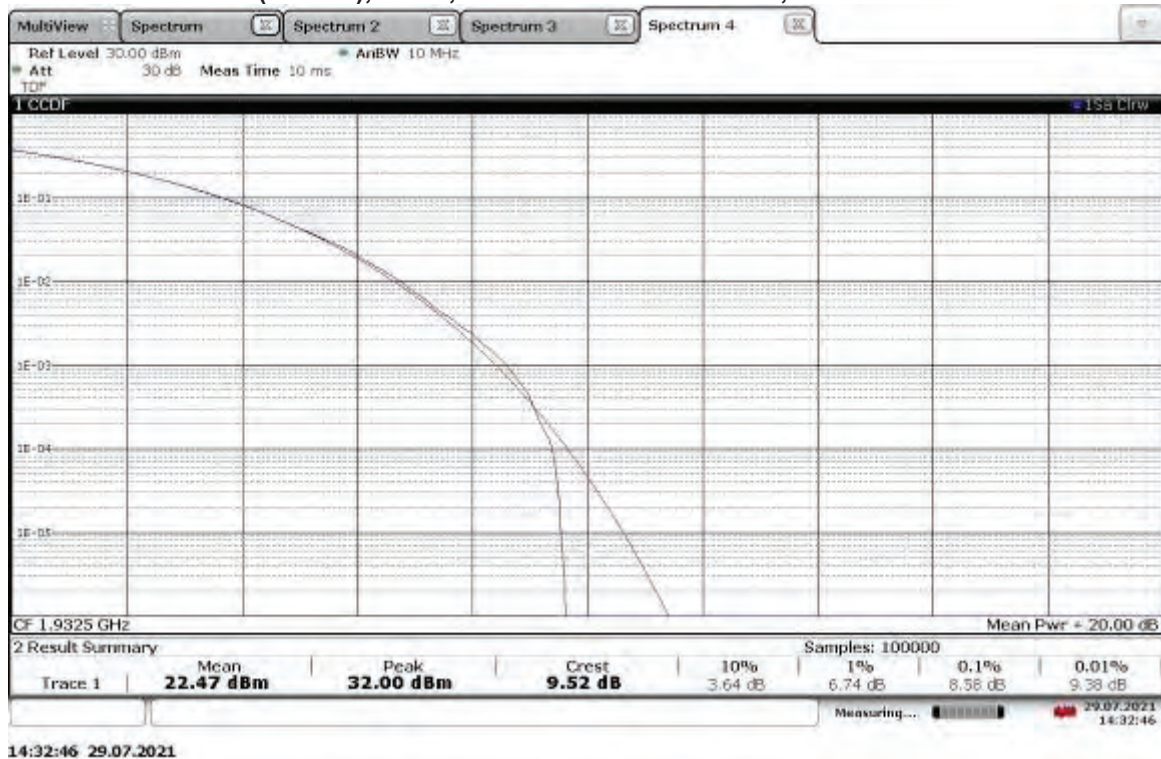


TM3.1-64QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel 1940 MHz, PAPR = 10.36 dB

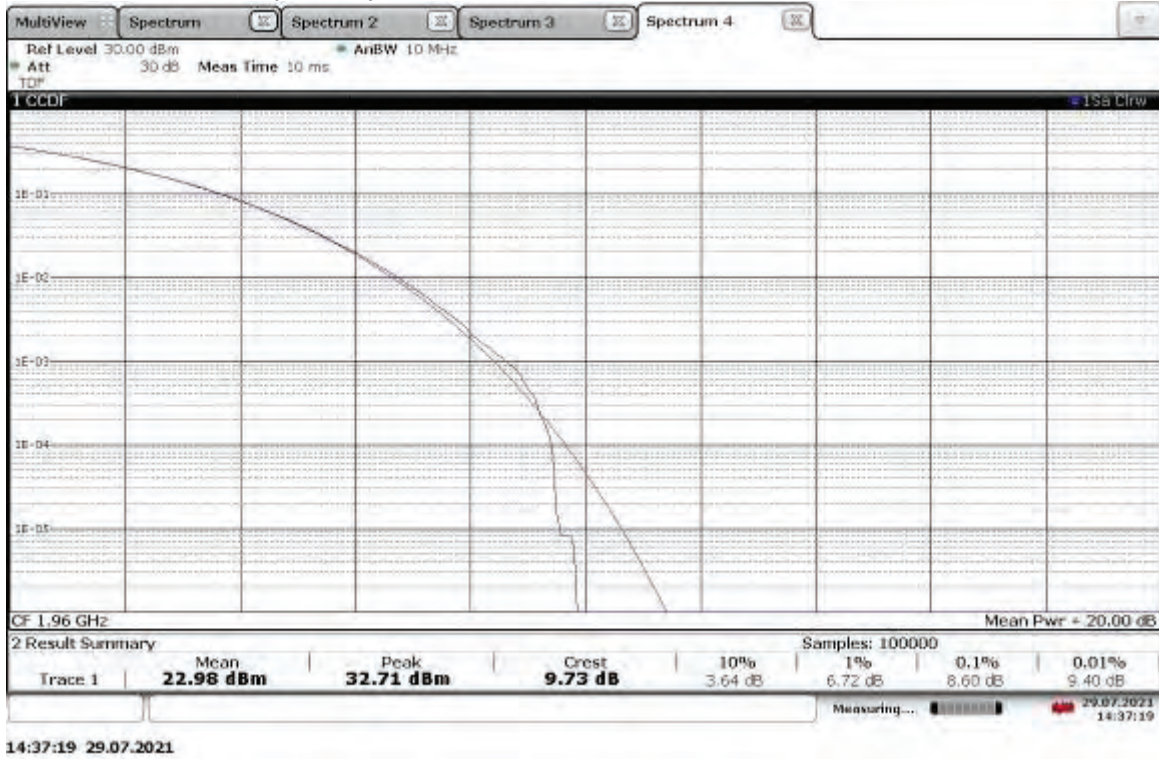


TM3.1-64QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel 1960 MHz, PAPR = 9.68 dB**TM3.1-64QAM_20 MHz Bandwidth**
Slot 2 (Band 2), ANT1, Mid Channel 1960 MHz, PAPR = 10.39 dB

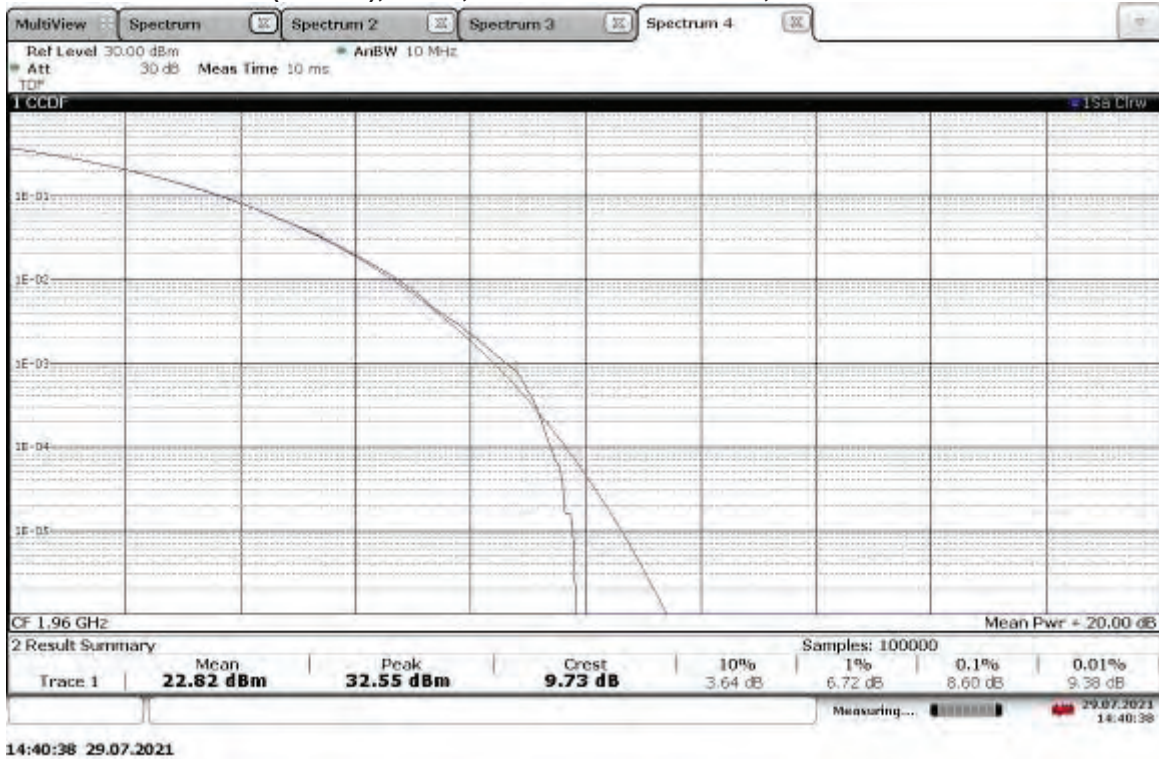
TM3.1-64QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel 1980 MHz, PAPR = 9.94 dB**TM3.1-64QAM_20 MHz Bandwidth**
Slot 2 (Band 2), ANT1, High Channel 1980 MHz, PAPR = 9.72 dB

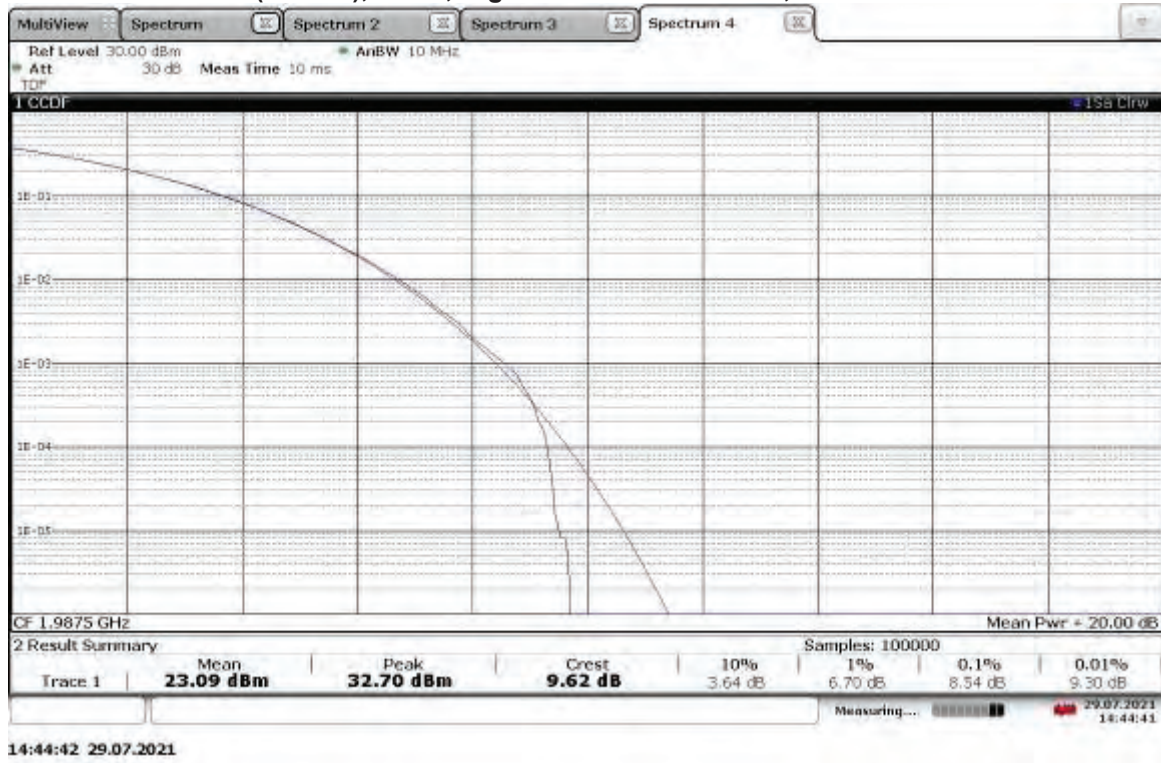
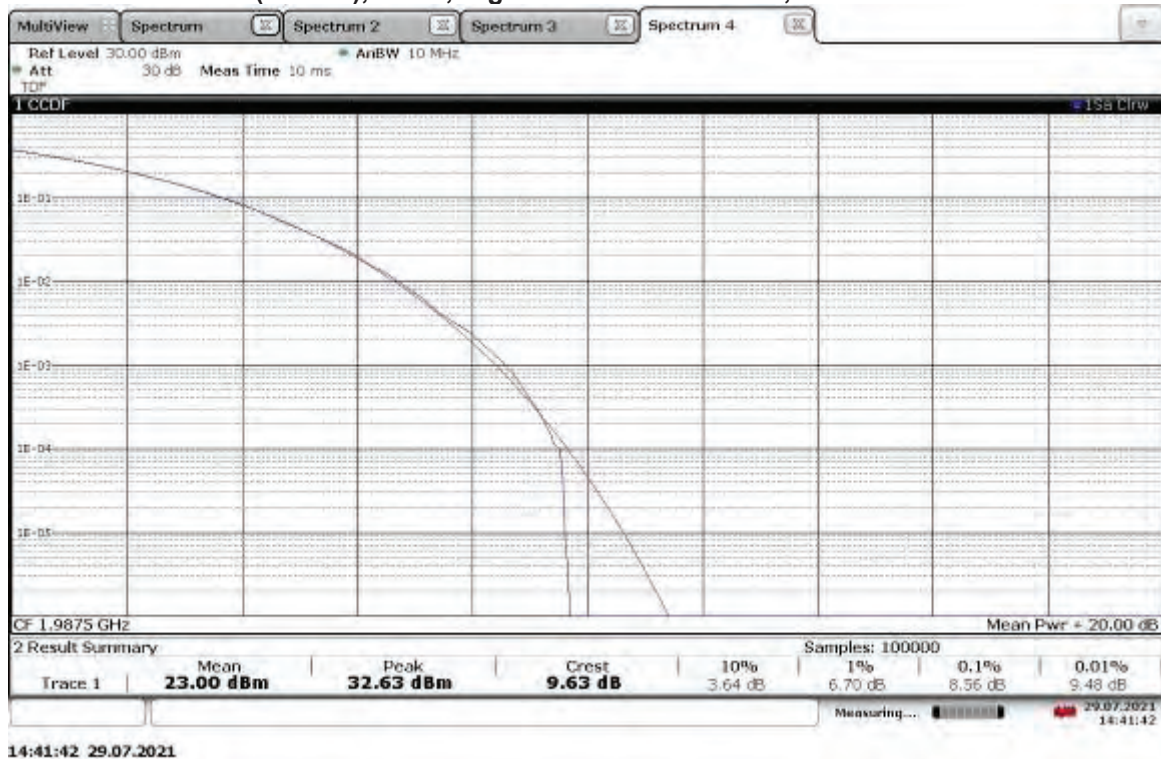
TM3.1a - 256QAM_5MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel 1932.5 MHz, PAPR = 9.73 dB**TM3.1a - 256QAM_5MHz Bandwidth**
Slot 2 (Band 2), ANT1, Low Channel 1932.5 MHz, PAPR = 9.52 dB

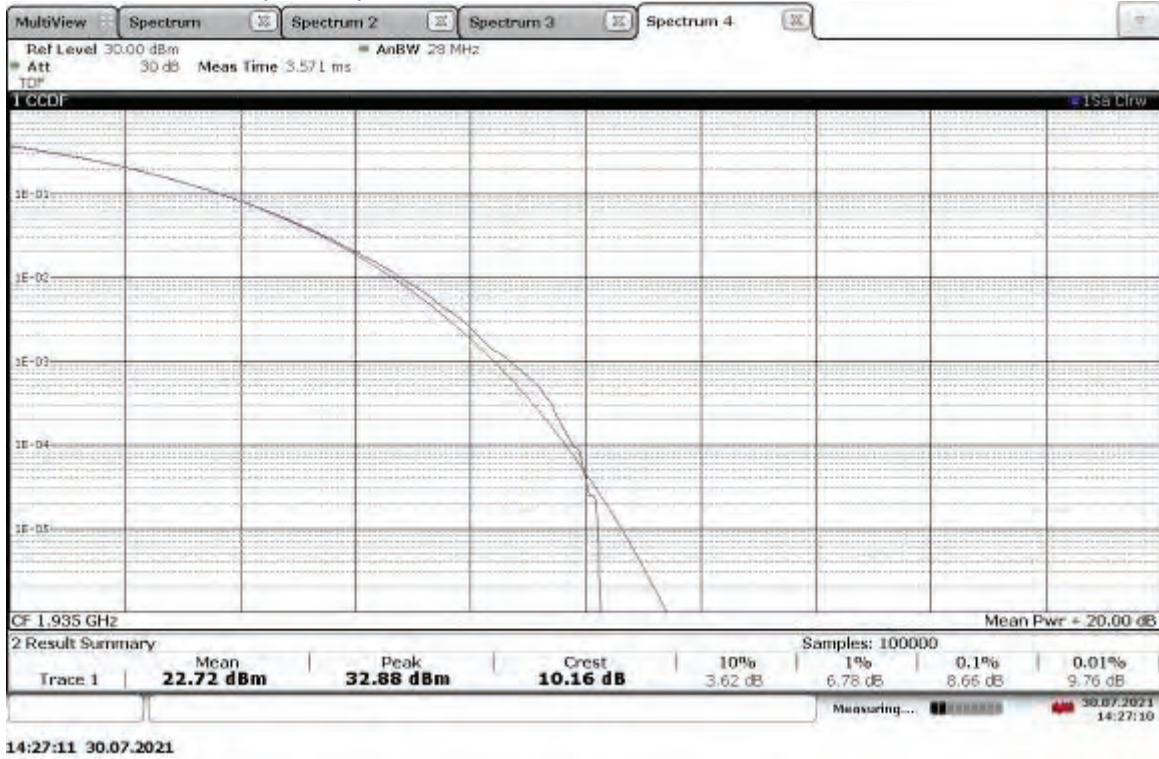
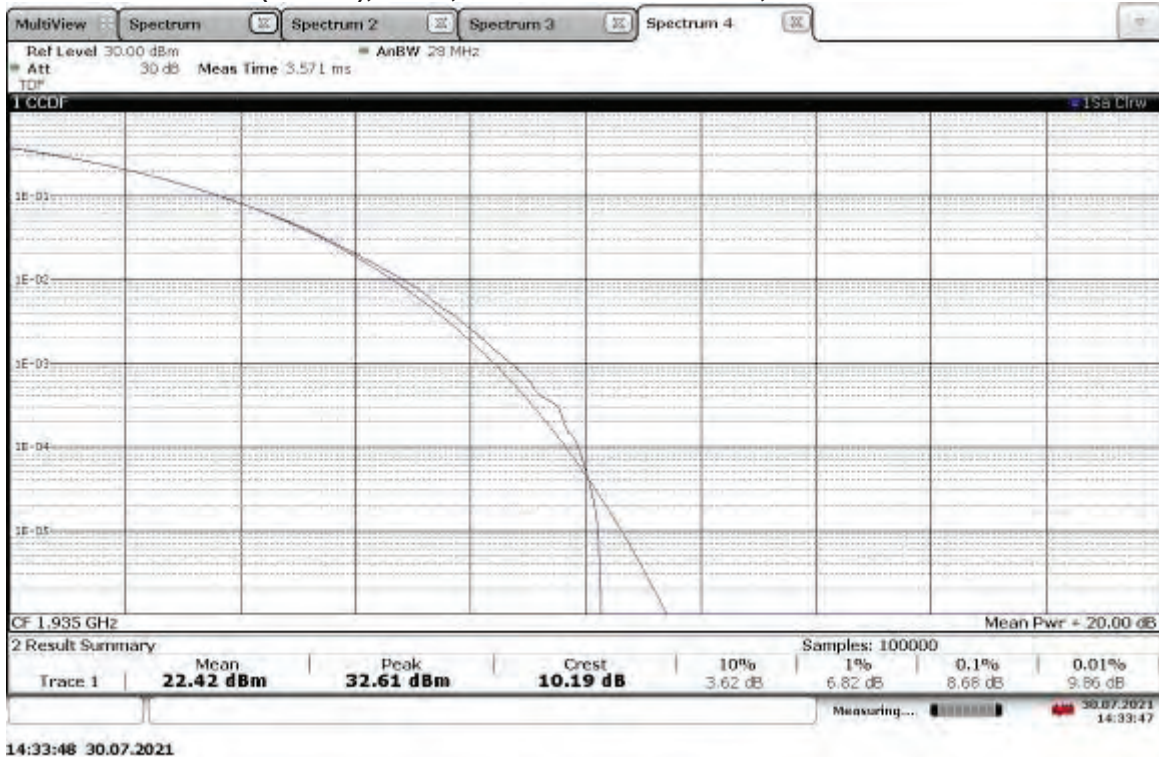
**TM3.1a - 256QAM_5MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel 1960 MHz, PAPR = 9.73 dB**

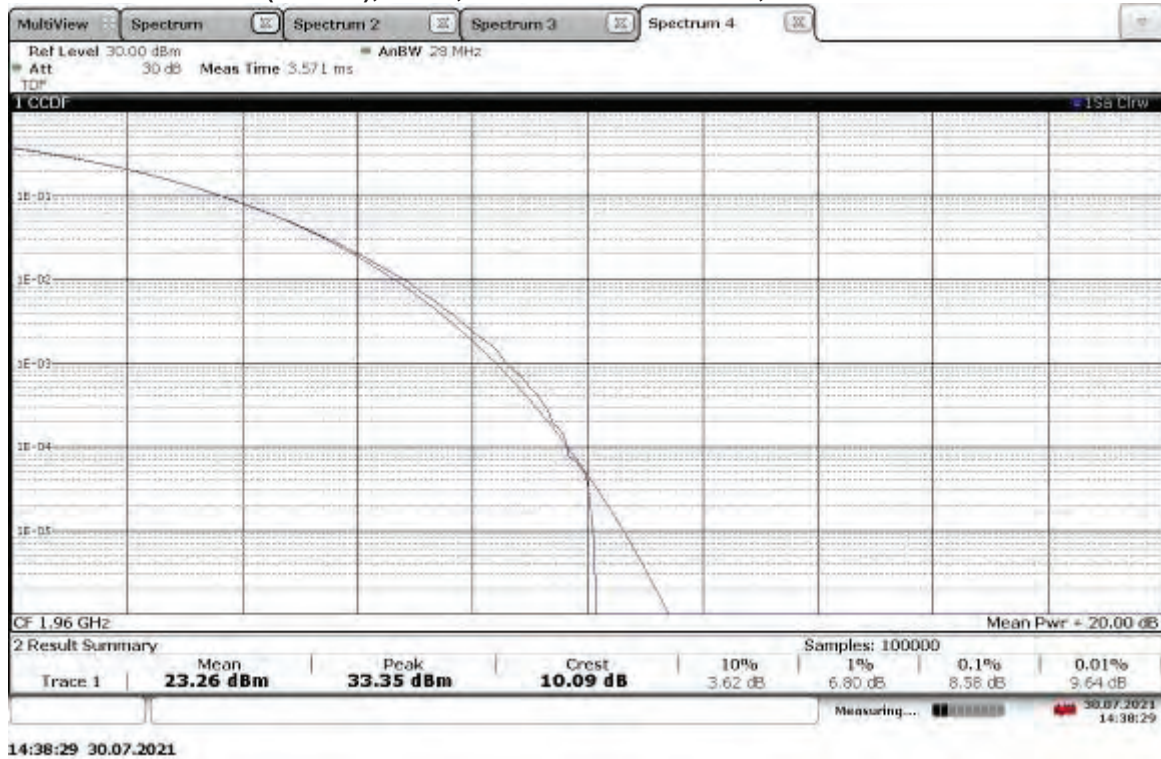
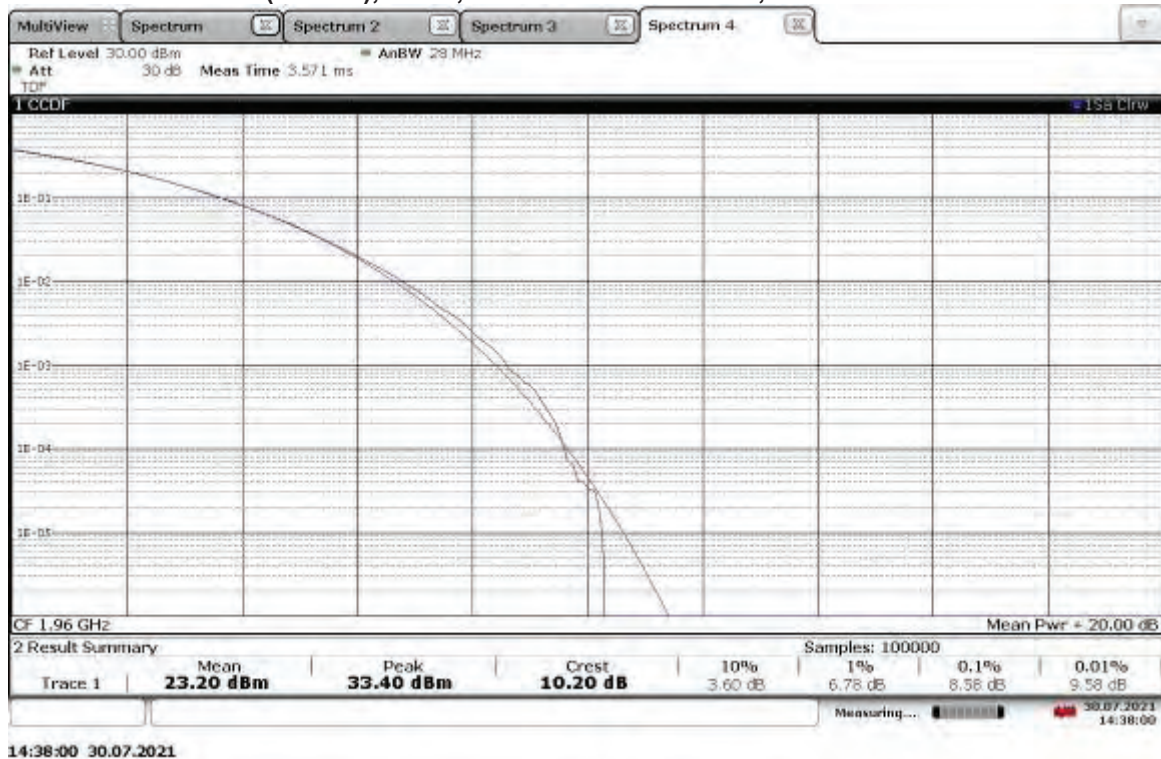


**TM3.1a - 256QAM_5MHz Bandwidth
Slot 2 (Band 2), ANT1, Mid Channel 1960 MHz, PAPR = 9.73 dB**

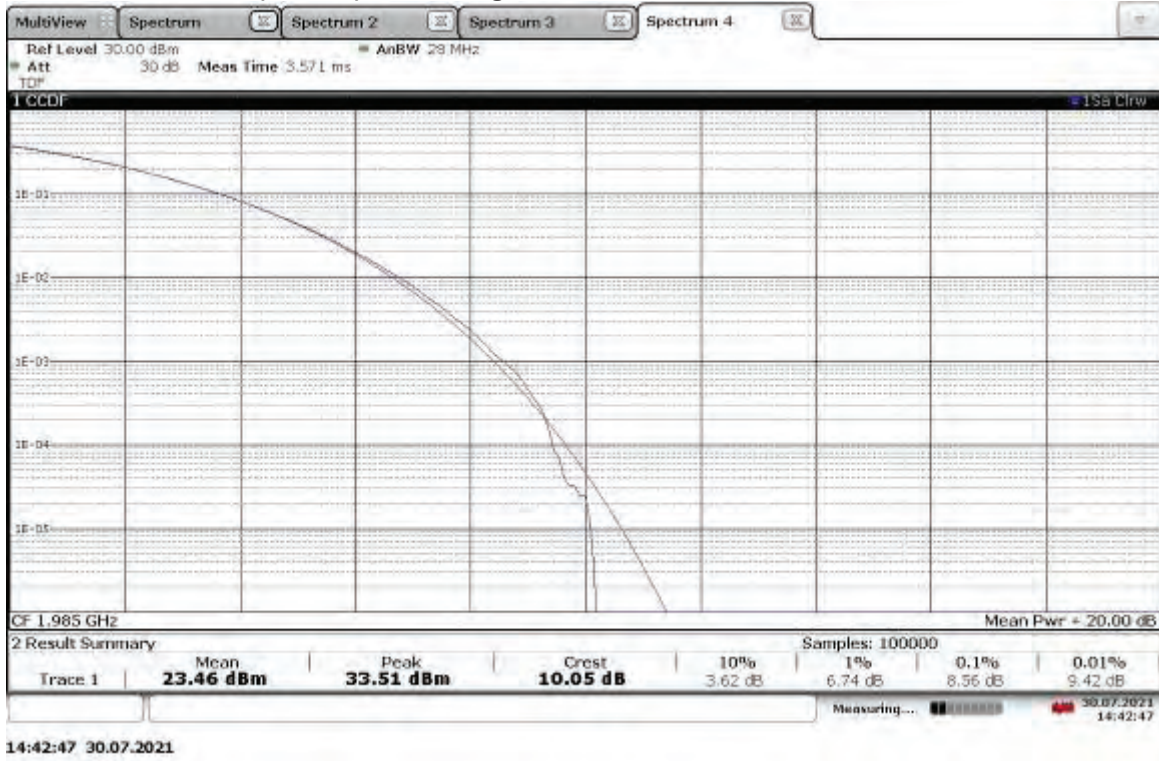


TM3.1a - 256QAM_5MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel 1987.5 MHz, PAPR = 9.62 dB**TM3.1a - 256QAM_5MHz Bandwidth**
Slot 2 (Band 2), ANT1, High Channel 1987.5 MHz, PAPR = 9.63 dB

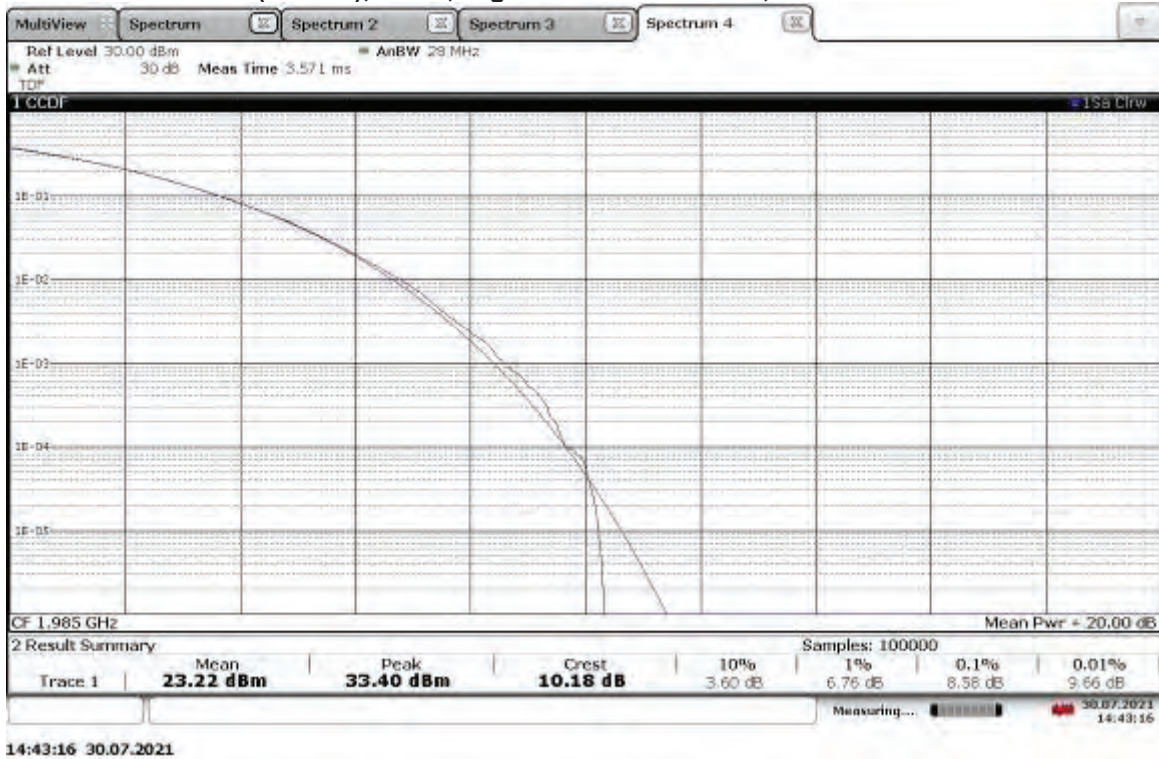
TM3.1a - 256QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel 1935 MHz, PAPR = 10.16 dB**TM3.1a - 256QAM_10 MHz Bandwidth**
Slot 2 (Band 2), ANT1, Low Channel 1935 MHz, PAPR = 10.19 dB

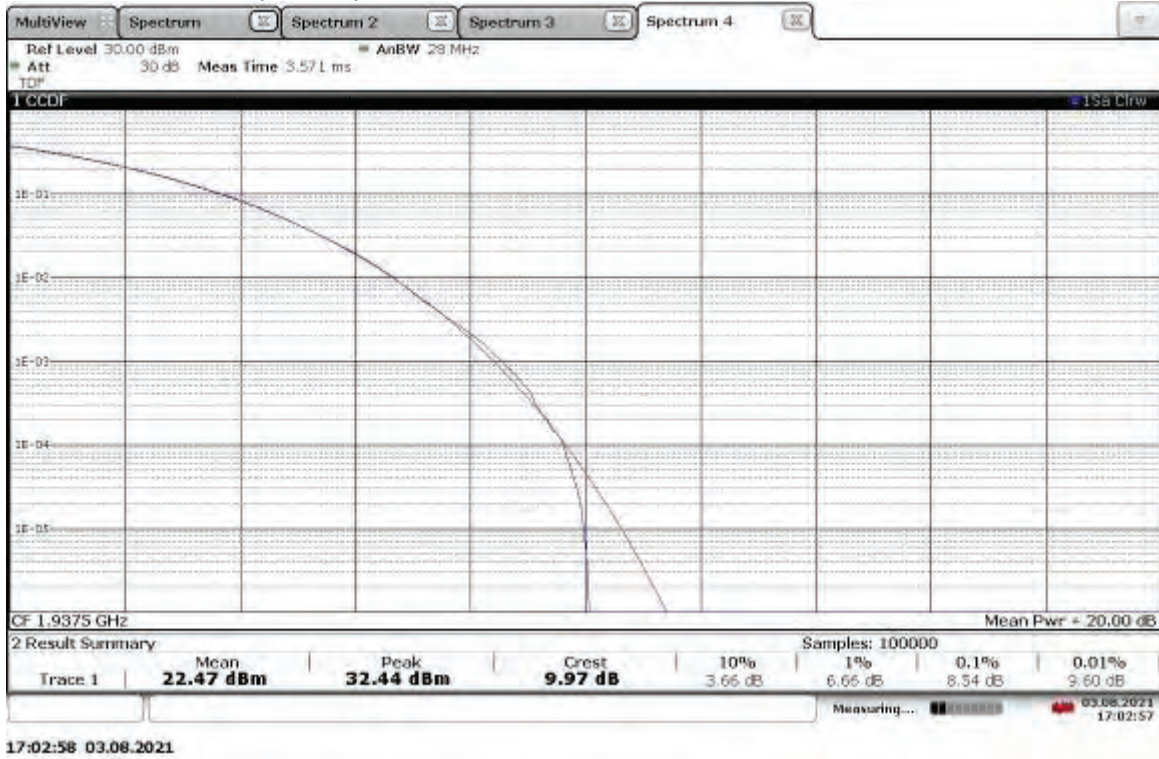
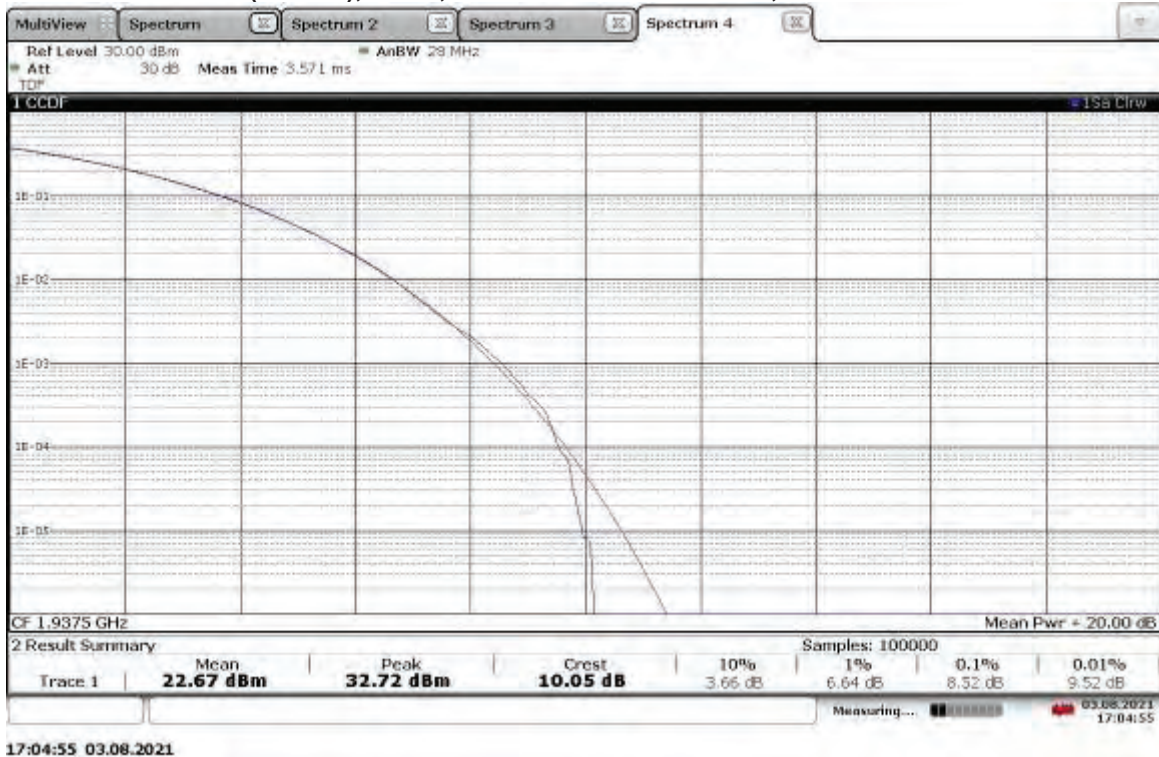
TM3.1a - 256QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel 1960 MHz, PAPR = 10.09 dB**TM3.1a - 256QAM_10 MHz Bandwidth**
Slot 2 (Band 2), ANT1, Mid Channel 1960 MHz, PAPR = 10.20 dB

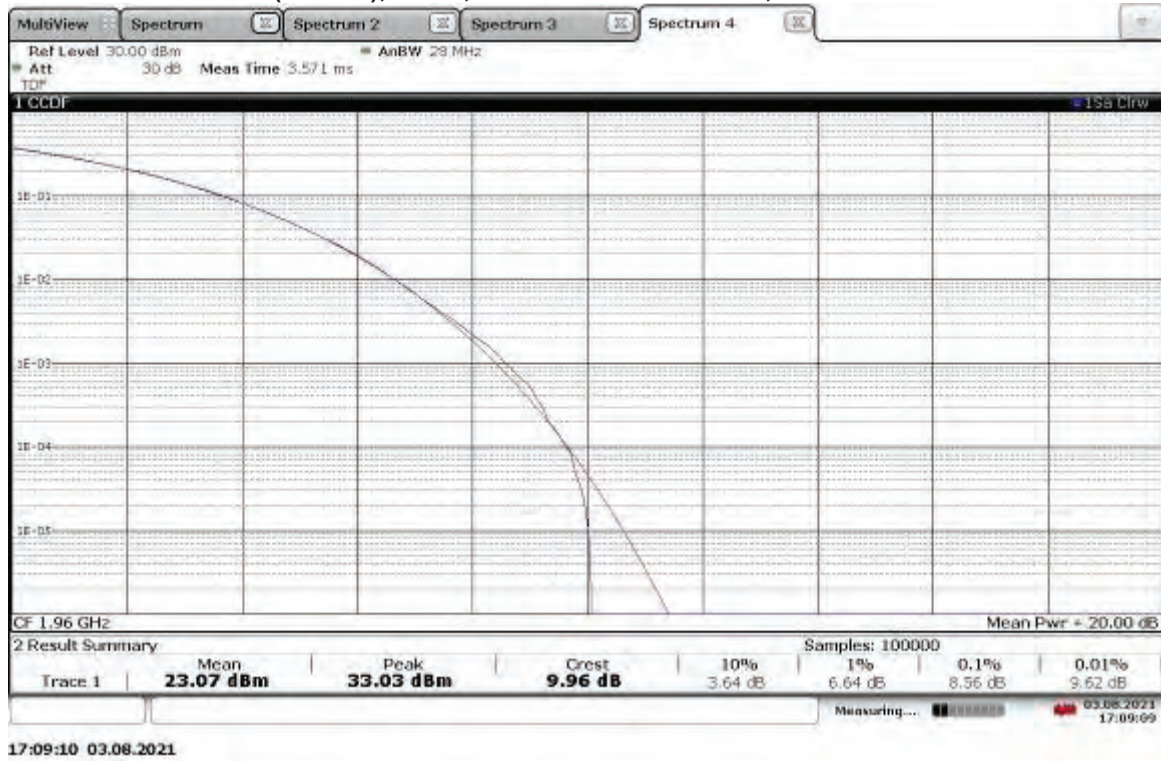
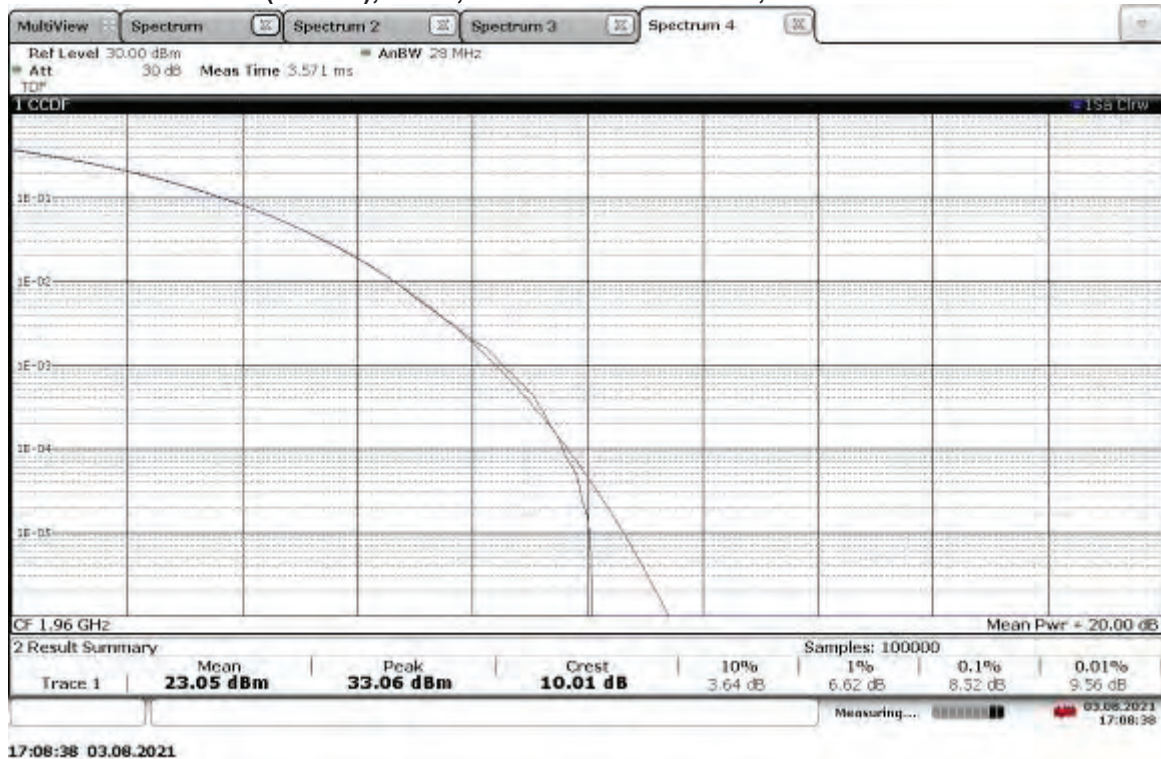
TM3.1a - 256QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel 1985 MHz, PAPR = 10.05 dB

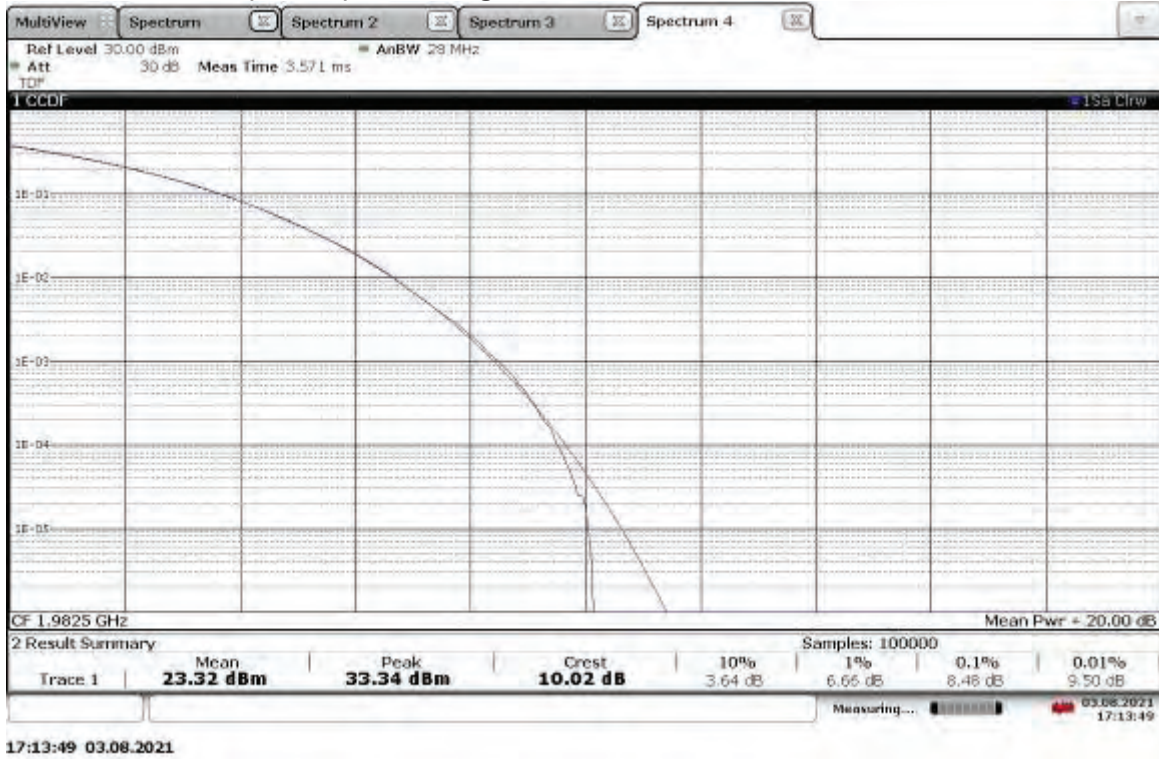
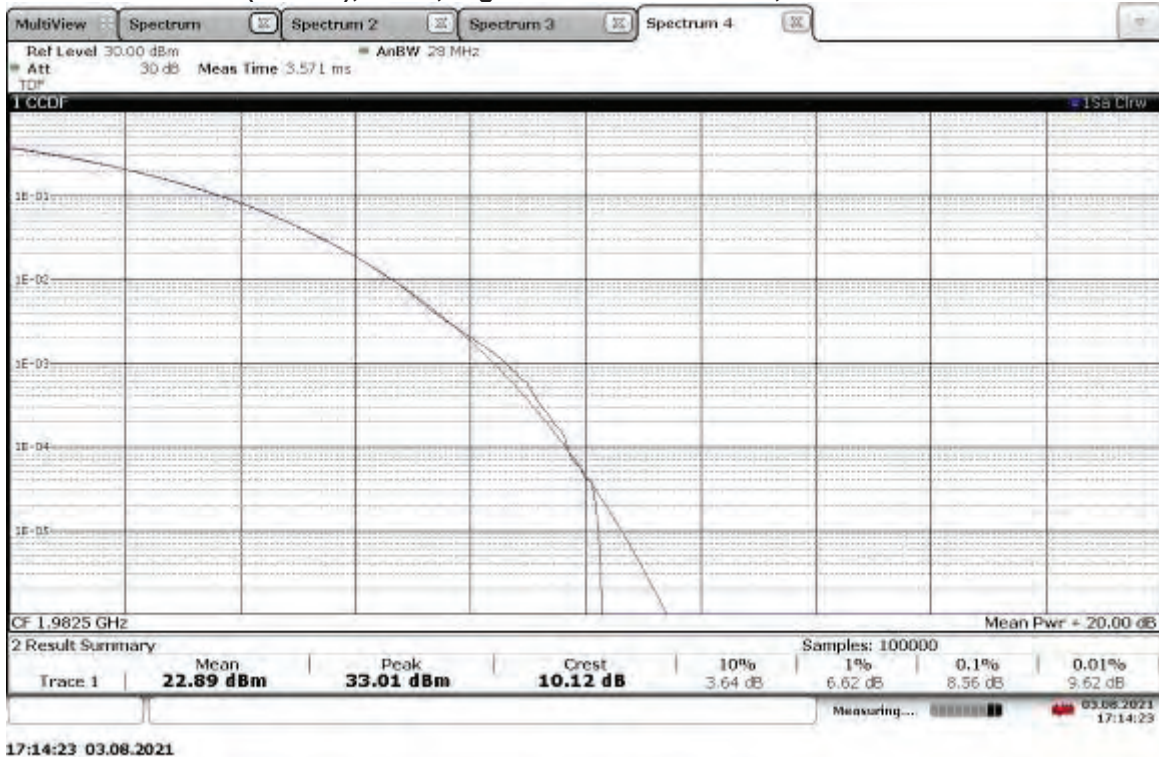


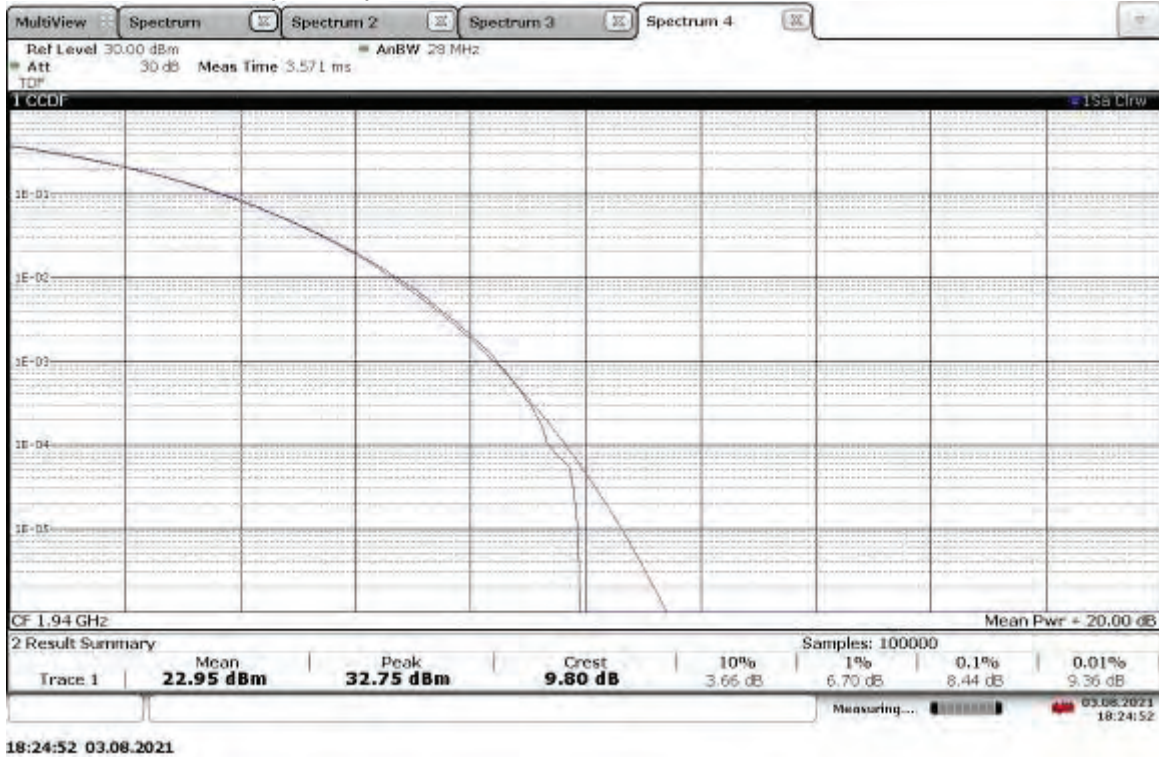
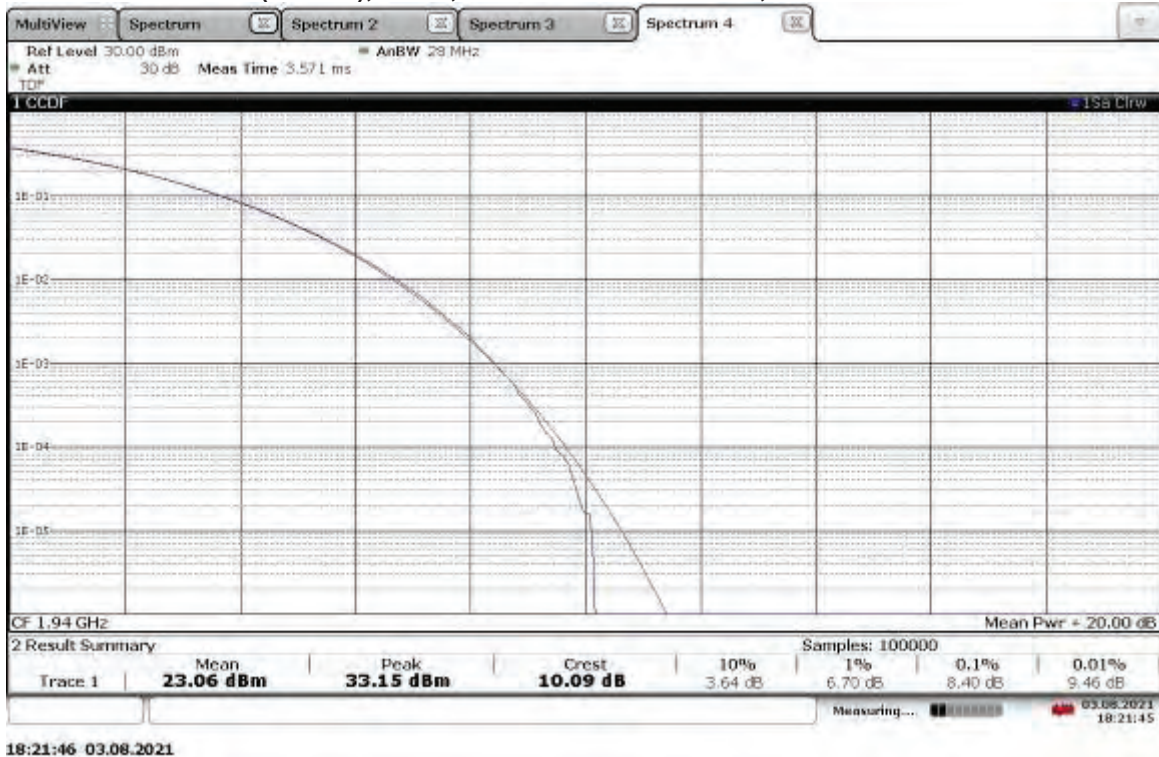
TM3.1a - 256QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT1, High Channel 1985 MHz, PAPR = 10.18 dB

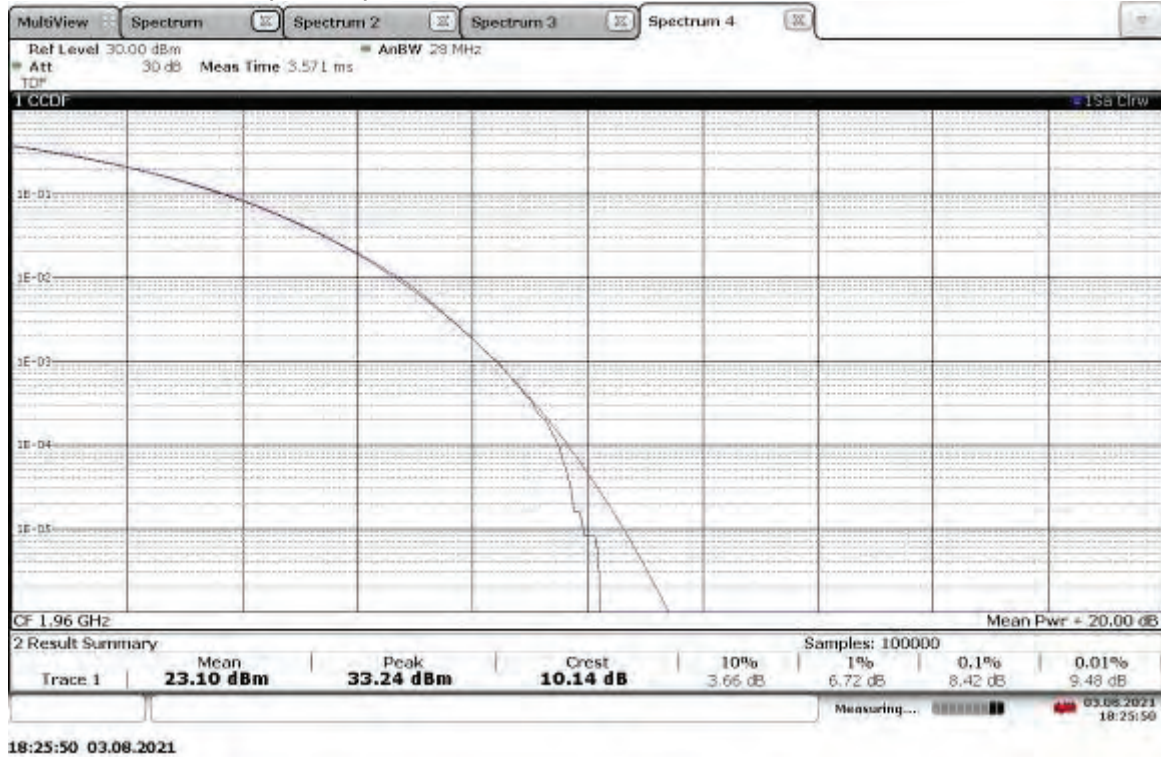
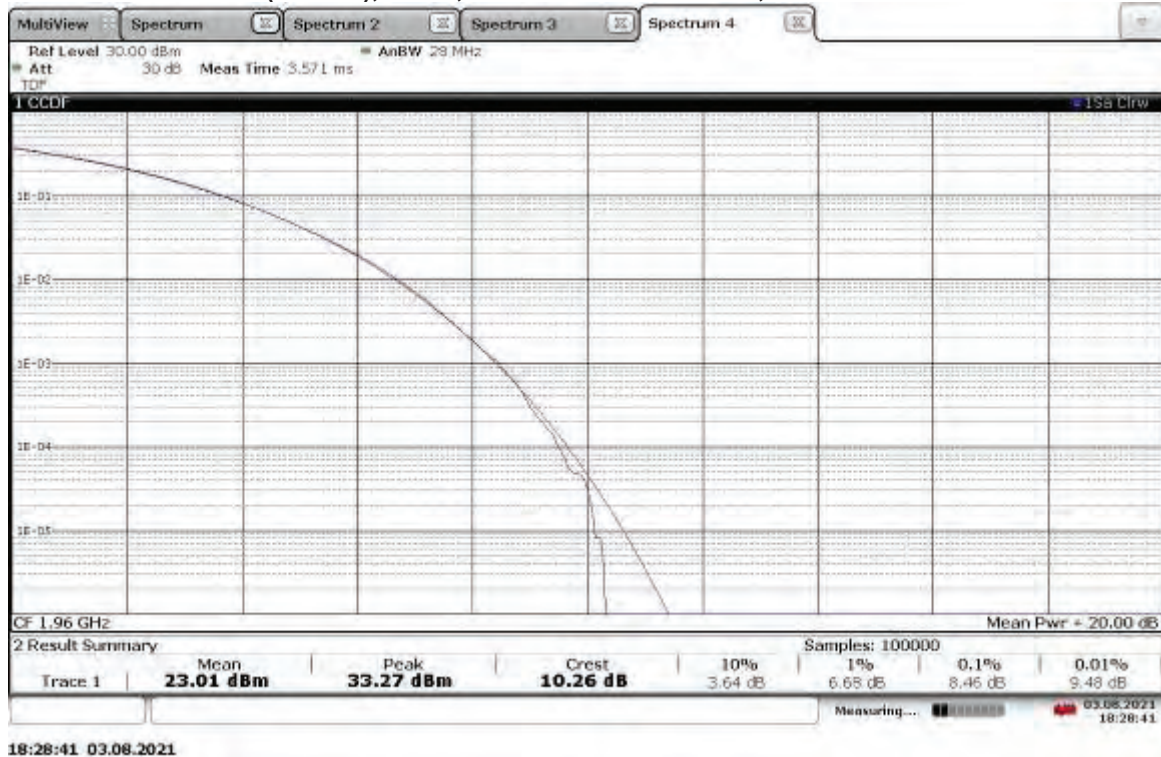


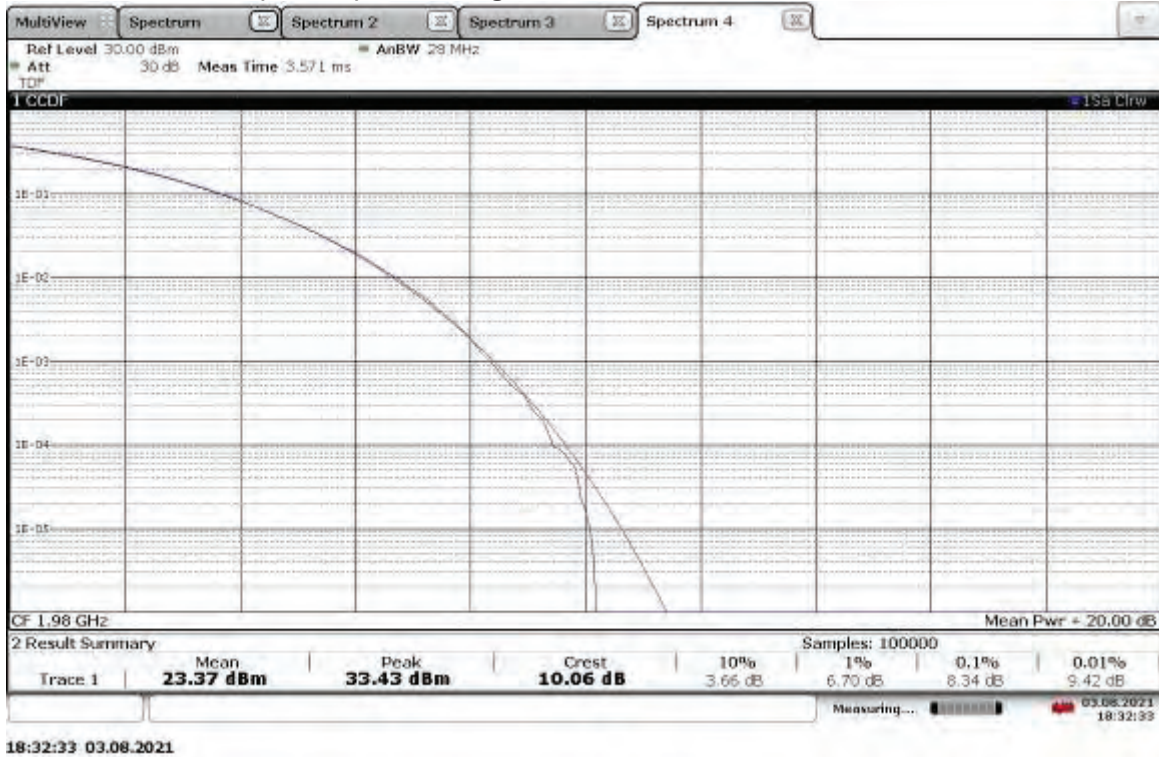
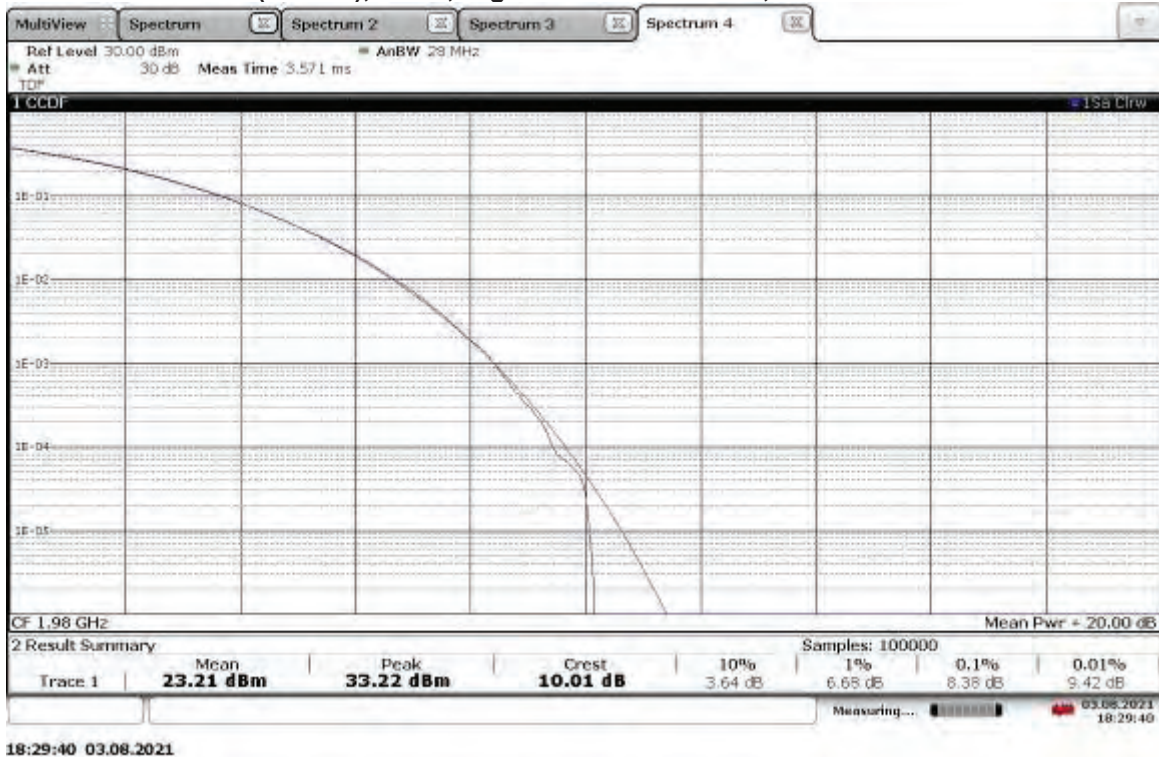
TM3.1a - 256QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel 1937.5 MHz, PAPR = 9.97 dB**TM3.1a - 256QAM_15 MHz Bandwidth**
Slot 2 (Band 2), ANT1, Low Channel 1937.5 MHz, PAPR = 10.05 dB

TM3.1a - 256QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel 1960 MHz, PAPR = 9.96 dB**TM3.1a - 256QAM_15 MHz Bandwidth**
Slot 2 (Band 2), ANT1, Mid Channel 1960 MHz, PAPR = 10.01 dB

TM3.1a - 256QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel 1982.5 MHz, PAPR = 10.02 dB**TM3.1a - 256QAM_15 MHz Bandwidth**
Slot 2 (Band 2), ANT1, High Channel 1982.5 MHz, PAPR = 10.12 dB

TM3.1a - 256QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel 1940 MHz, PAPR = 9.80 dB**TM3.1a - 256QAM_20 MHz Bandwidth**
Slot 2 (Band 2), ANT1, Low Channel 1940 MHz, PAPR = 10.09 dB

TM3.1a - 256QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel 1960 MHz, PAPR = 10.14 dB**TM3.1a - 256QAM_20 MHz Bandwidth**
Slot 2 (Band 2), ANT1, Mid Channel 1960 MHz, PAPR = 10.26 dB

TM3.1a - 256QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel 1980 MHz, PAPR = 10.06 dB**TM3.1a - 256QAM_20 MHz Bandwidth**
Slot 2 (Band 2), ANT1, High Channel 1980 MHz, PAPR = 10.01 dB

Test Personnel: <u>Vathana Ven </u> Supervising/Reviewing Engineer: (Where Applicable) <u>N/A</u> Product Standard: <u>FCC Part 24</u> Input Voltage: <u>48 VDC (POE)</u> Pretest Verification w/ Ambient Signals or BB Source: <u>N/A</u>	Test Date: <u>07/28/2021, 07/29/2021, 07/30/2021, 08/03/2021</u> Limit Applied: <u>See report section 7.3</u> Ambient Temperature: <u>22, 23, 23, 23 °C</u> Relative Humidity: <u>21, 15, 26, 47, 20, 22 %</u> Atmospheric Pressure: <u>1004, 1013, 1004, 980 mbars</u>
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Deviations, Additions, or Exclusions: None

8 26 dB Bandwidth and Occupied Bandwidth

8.1 Method

Tests are performed in accordance with ANSI C63.26 and CFR47 FCC Parts 2.1049 and 24.

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
CEN001'	DC-40GHz attenuator 20dB	Centric RF	C411-20	CEN001	01/22/2021	01/22/2022
CBLSHF204'	Cable, SMA - SMA, 9kHz -40GHz, (Cable Kit 5)	Huber + Suhner	Sucoflex 102EA	234714001	02/03/2021	02/03/2022
ROS005-1'	Signal and Spectrum Analyzer	Rohde and Shwartz	FSW43	100646	10/27/2020	10/27/2021
DAV005'	Weather Station	Davis	6250	MS191218083	02/07/2021	02/07/2022

Software Utilized:

Name	Manufacturer	Version
None	--	--

8.3 Results:

The sample tested was found to Comply.

§24.238(b) 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 2), Bandwidth: 5 MHz, Modulation: TM1.1-QPSK

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1932.50	ANT0	4.47	4.95
		ANT1	4.47	4.95
Mid	1960.00	ANT0	4.47	4.95
		ANT1	4.47	4.95
High	1987.50	ANT0	4.47	4.95
		ANT1	4.47	4.93

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1935.00	ANT0	9.29	10.05
		ANT1	9.29	10.05
Mid	1960.00	ANT0	9.30	10.05
		ANT1	9.30	10.05
High	1985.00	ANT0	9.30	10.07
		ANT1	9.30	10.07

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1937.50	ANT0	14.15	15.23
		ANT1	14.16	15.22
Mid	1960.00	ANT0	14.15	15.25
		ANT1	14.15	15.24
High	1982.50	ANT0	14.17	15.27
		ANT1	14.17	15.28

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1940.00	ANT0	18.83	20.10
		ANT1	18.85	20.14
Mid	1960.00	ANT0	18.82	20.10
		ANT1	18.80	20.02
High	1980.00	ANT0	18.89	20.18
		ANT1	18.89	20.18

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1932.50	ANT0	4.51	4.92
		ANT1	4.52	4.89
Mid	1960.00	ANT0	4.51	4.91
		ANT1	4.52	4.89
High	1987.50	ANT0	4.51	4.92
		ANT1	4.52	4.92

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1935.00	ANT0	9.22	9.87
		ANT1	9.22	9.89
Mid	1960.00	ANT0	9.22	9.88
		ANT1	9.22	9.87
High	1985.00	ANT0	9.23	9.88
		ANT1	9.23	9.89

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1937.50	ANT0	14.11	15.11
		ANT1	14.12	15.13
Mid	1960.00	ANT0	14.13	15.16
		ANT1	14.13	15.16
High	1982.50	ANT0	14.13	15.16
		ANT1	14.13	15.26

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1940.00	ANT0	18.87	19.98
		ANT1	18.94	20.02
Mid	1960.00	ANT0	18.85	19.98
		ANT1	18.92	19.94
High	1980.00	ANT0	18.99	20.02
		ANT1	18.91	19.98

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1932.50	ANT0	4.48	4.92
		ANT1	4.48	4.91
Mid	1960.00	ANT0	4.48	4.91
		ANT1	4.48	4.92
High	1987.50	ANT0	4.48	4.92
		ANT1	4.48	4.95

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1935.00	ANT0	9.29	10.03
		ANT1	9.30	10.03
Mid	1960.00	ANT0	9.30	10.01
		ANT1	9.30	10.03
High	1985.00	ANT0	9.30	10.03
		ANT1	9.30	10.03

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1937.50	ANT0	14.11	15.19
		ANT1	14.11	15.18
Mid	1960.00	ANT0	14.10	15.17
		ANT1	14.11	15.15
High	1982.50	ANT0	14.12	15.19
		ANT1	14.13	15.21

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1940.00	ANT0	18.83	20.10
		ANT1	18.82	20.14
Mid	1960.00	ANT0	18.82	20.10
		ANT1	18.92	20.14
High	1980.00	ANT0	18.83	20.18
		ANT1	18.86	20.18

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1932.50	ANT0	4.48	4.95
		ANT1	4.48	4.95
Mid	1960.00	ANT0	4.48	4.96
		ANT1	4.48	4.95
High	1987.50	ANT0	4.48	4.93
		ANT1	4.48	4.92

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1935.00	ANT0	9.28	10.02
		ANT1	9.28	10.03
Mid	1960.00	ANT0	9.29	10.03
		ANT1	9.29	10.03
High	1985.00	ANT0	9.29	10.03
		ANT1	9.29	10.03

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1937.500	ANT0	14.07	15.20
		ANT1	14.05	15.20
Mid	1960.00	ANT0	14.05	15.22
		ANT1	14.09	15.22
High	1982.50	ANT0	14.05	15.26
		ANT1	14.06	15.29

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

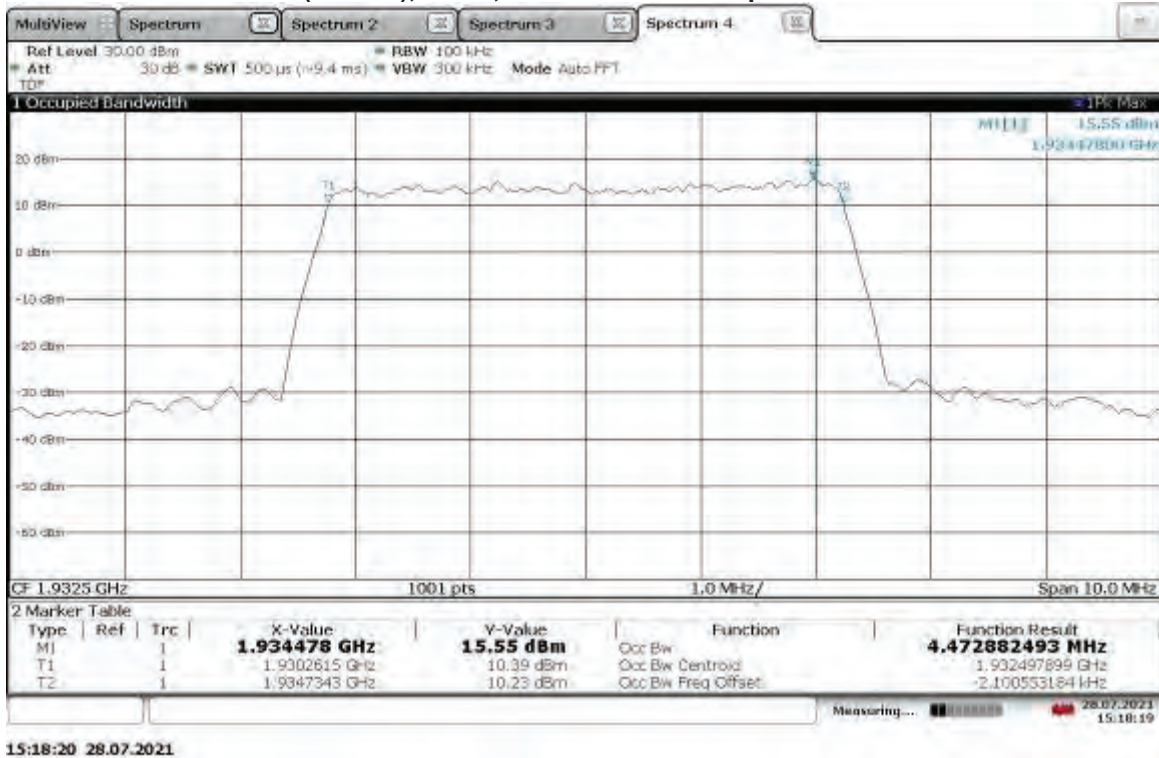
Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1940	ANT0	18.80	20.18
		ANT1	18.90	20.14
Mid	1960	ANT0	18.88	20.30
		ANT1	18.87	20.30
High	1980	ANT0	18.90	20.38
		ANT1	18.91	20.34

8.4 Setup Photograph:

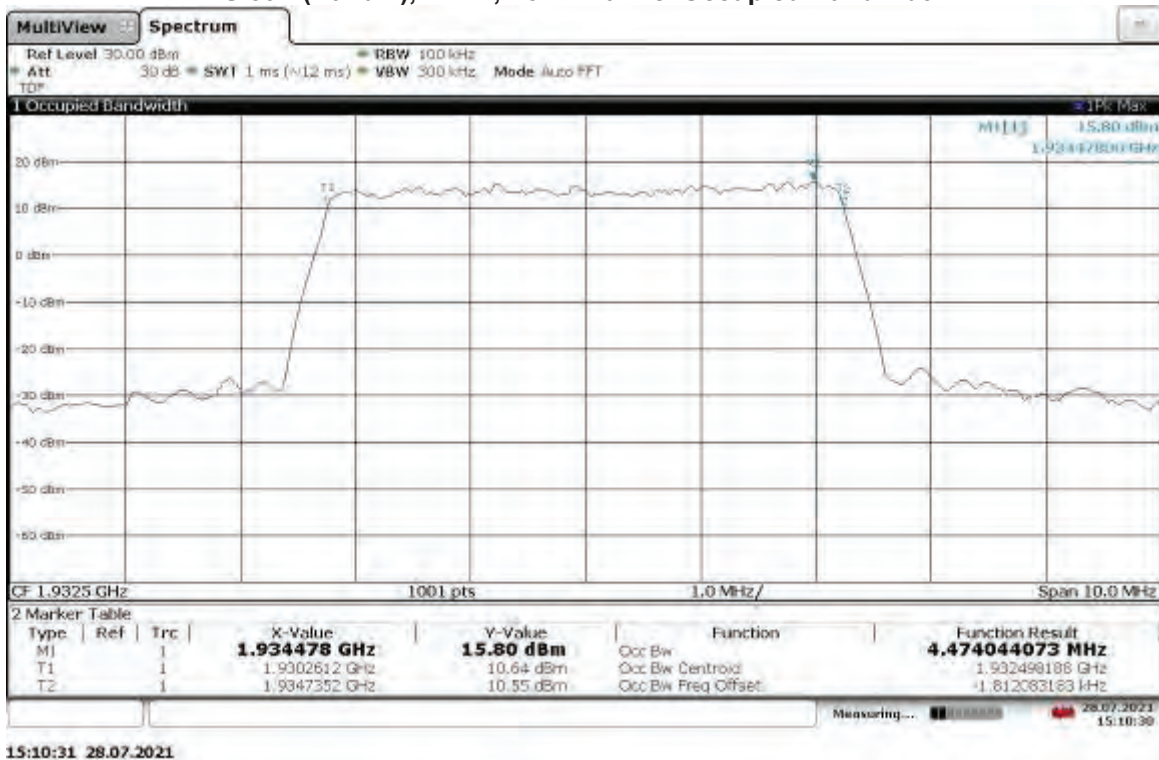
Photographs are available in a separate exhibit

8.5 Plots/Data:

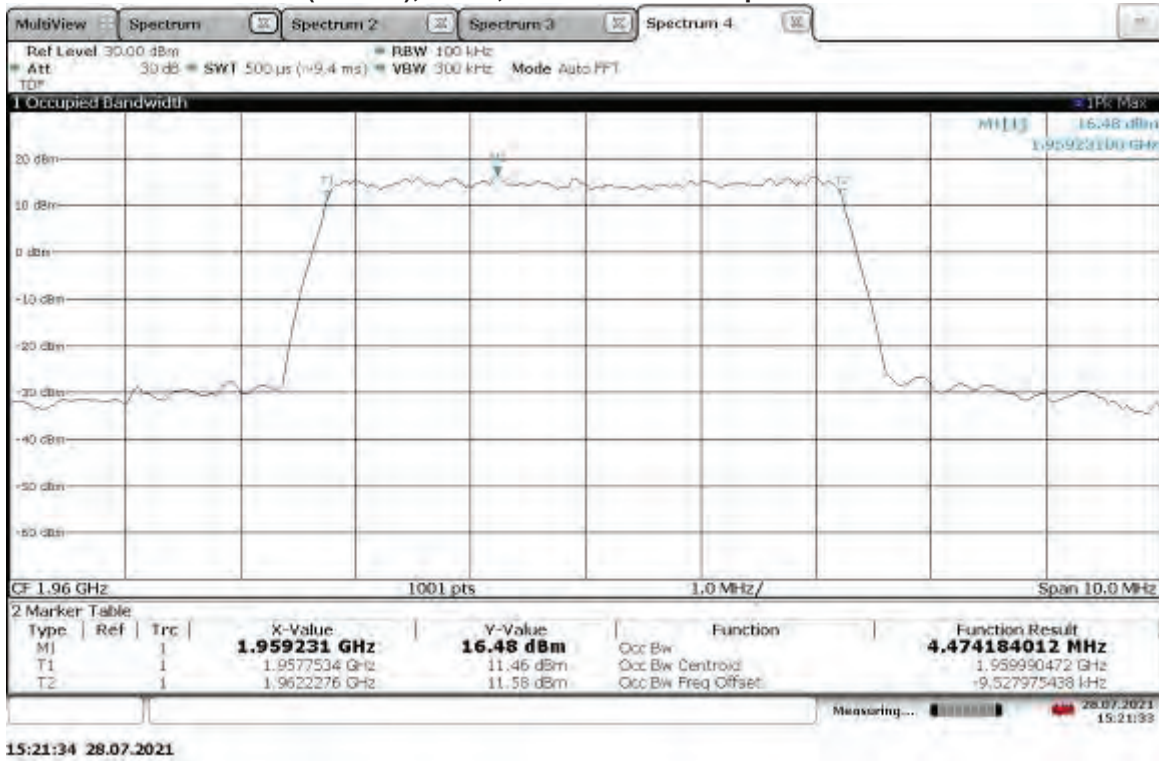
TM1.1-QPSK_5 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel Occupied Bandwidth



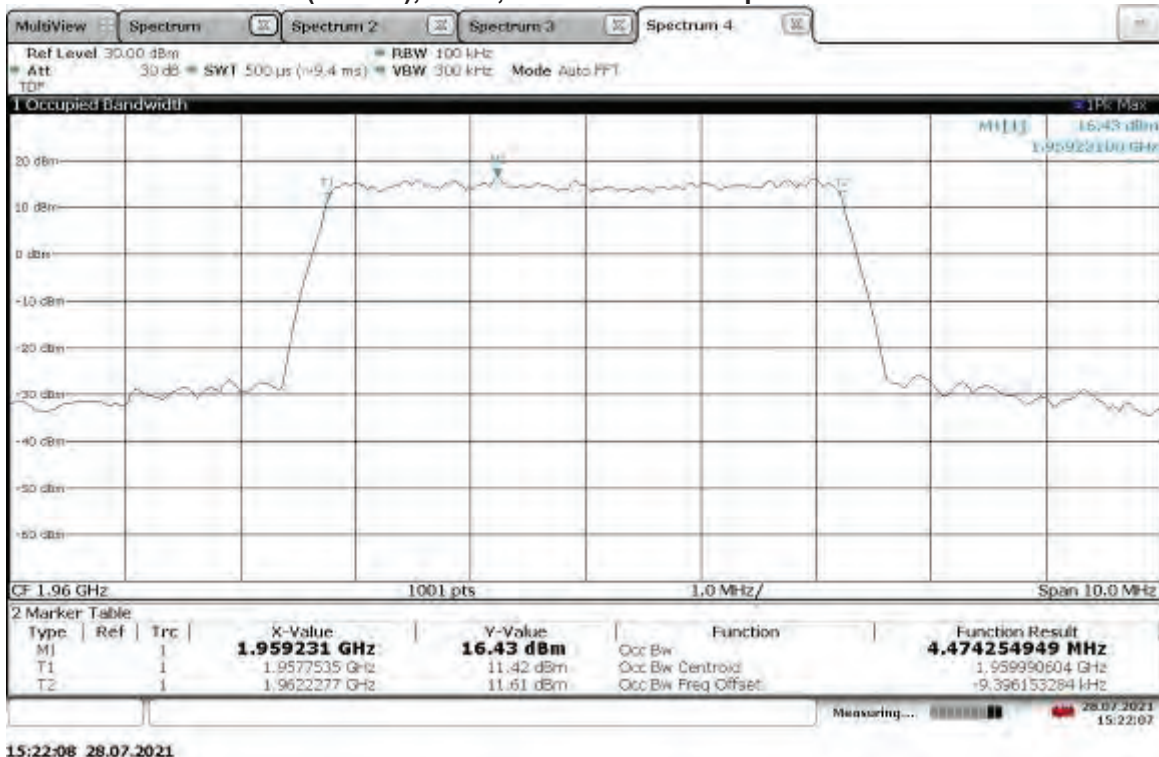
TM1.1-QPSK_5 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel Occupied Bandwidth



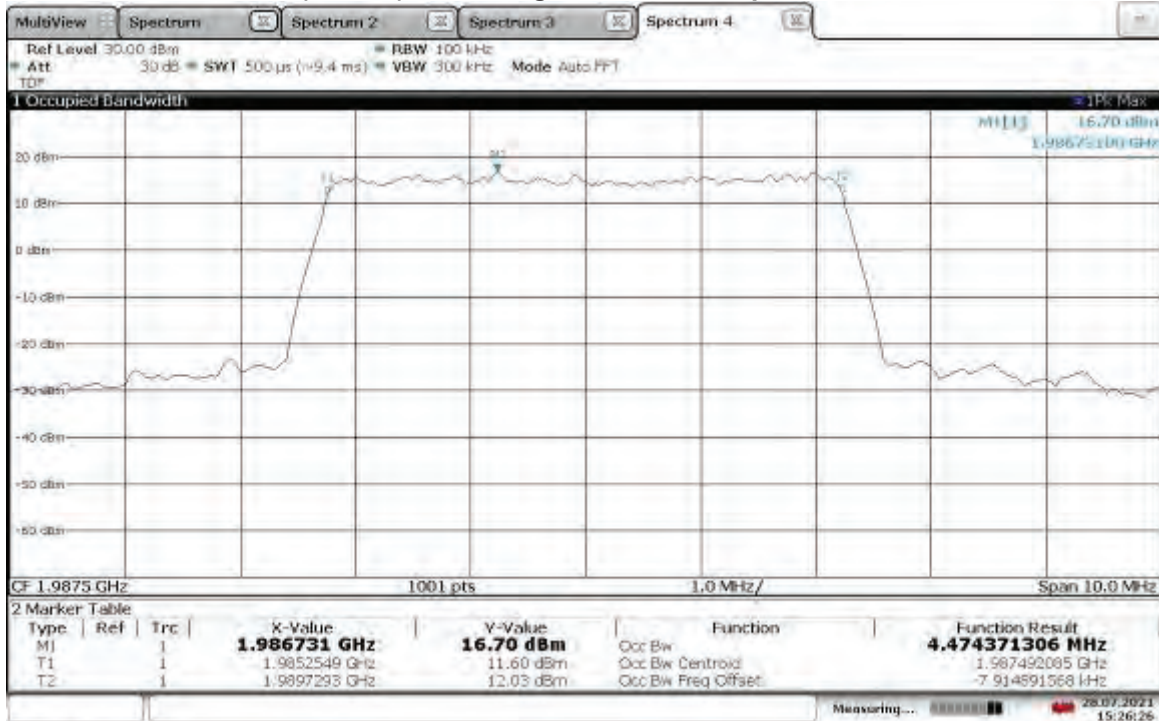
TM1.1-QPSK_5 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel Occupied Bandwidth



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

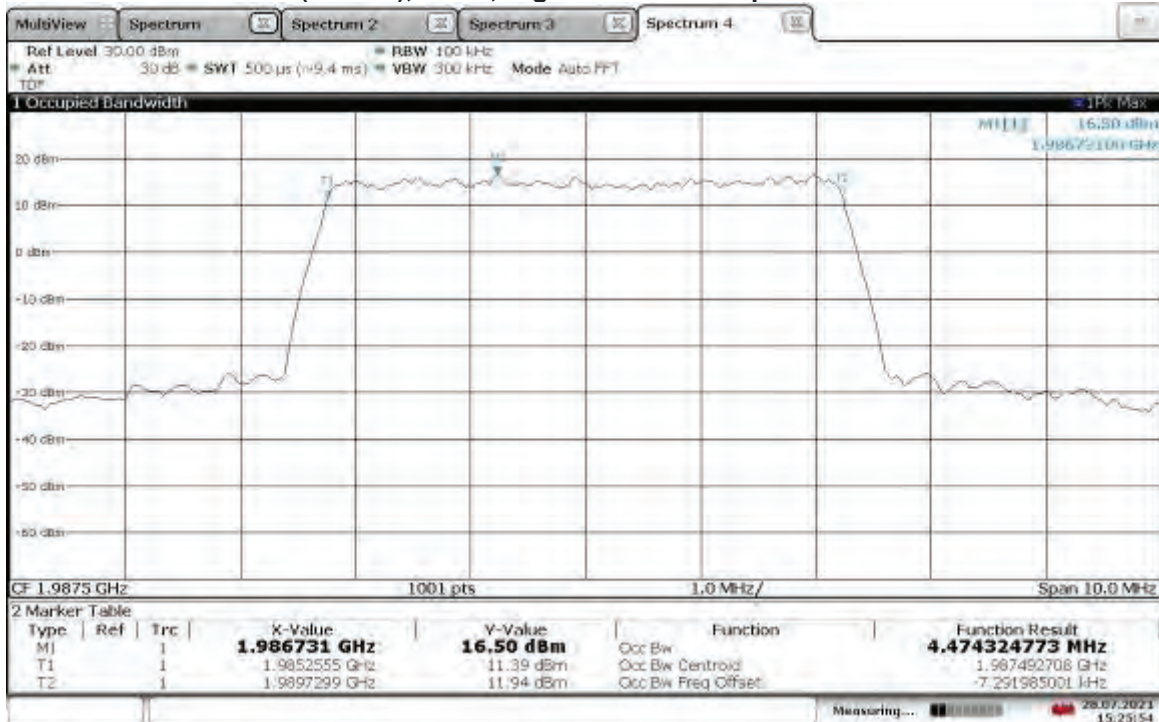


TM1.1-QPSK_5 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel Occupied Bandwidth



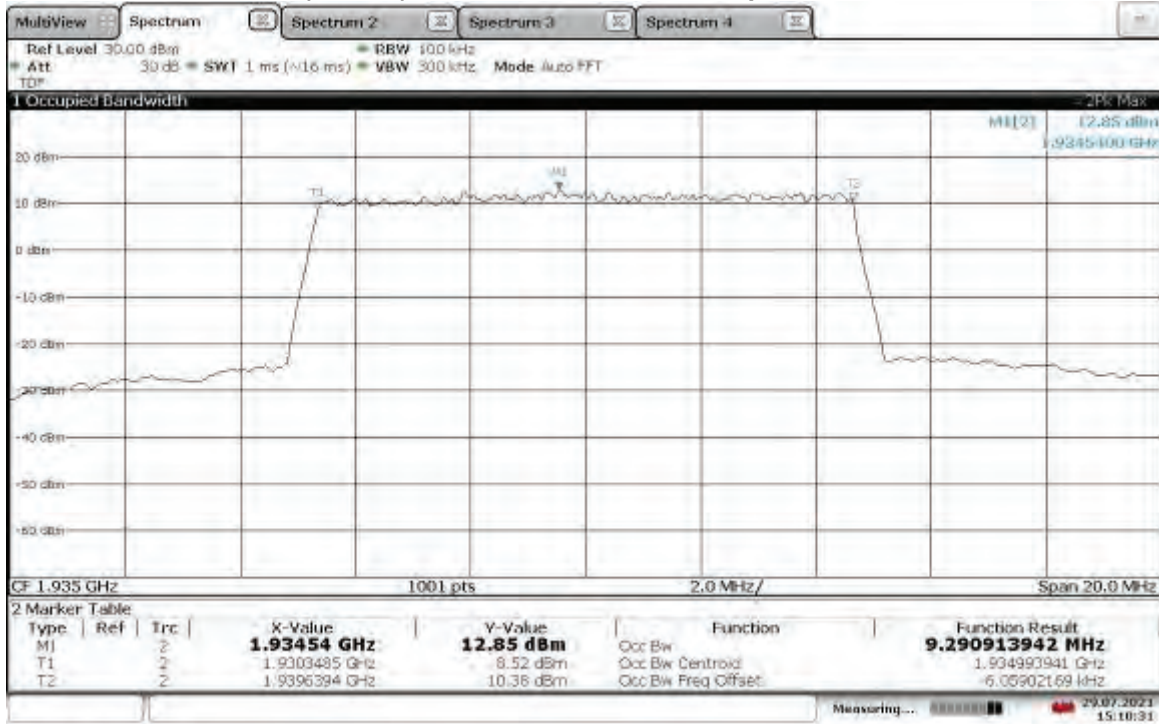
15:26:26 28.07.2021

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



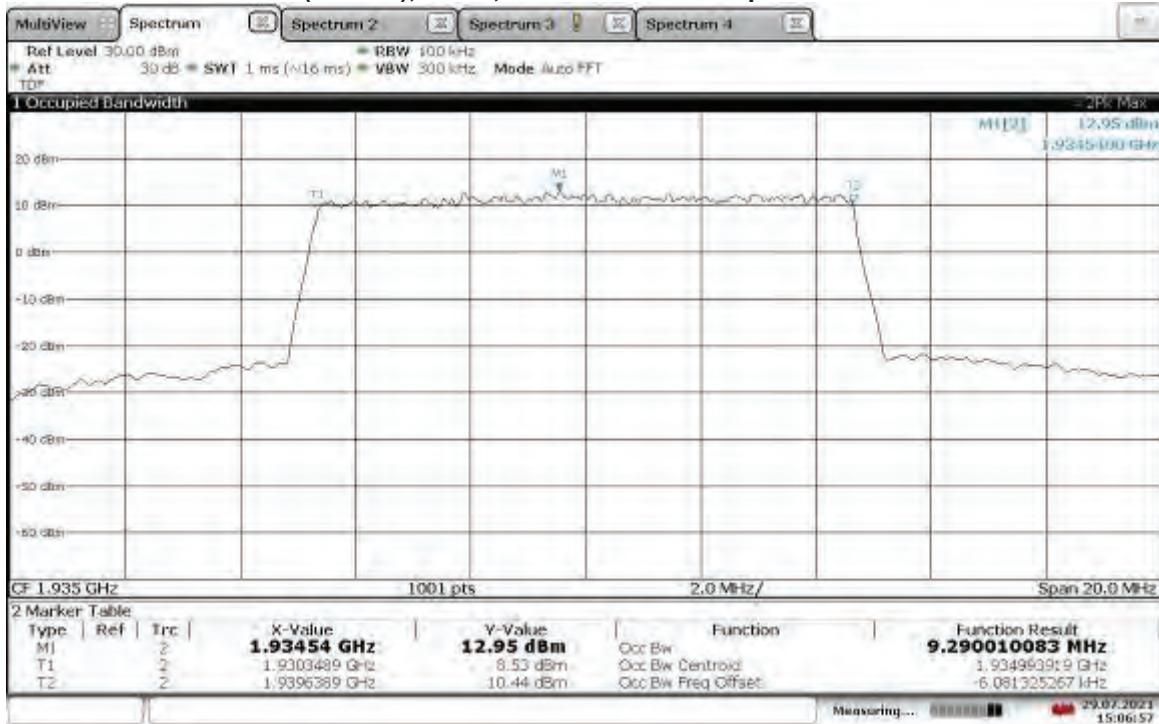
15:25:54 28.07.2021

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



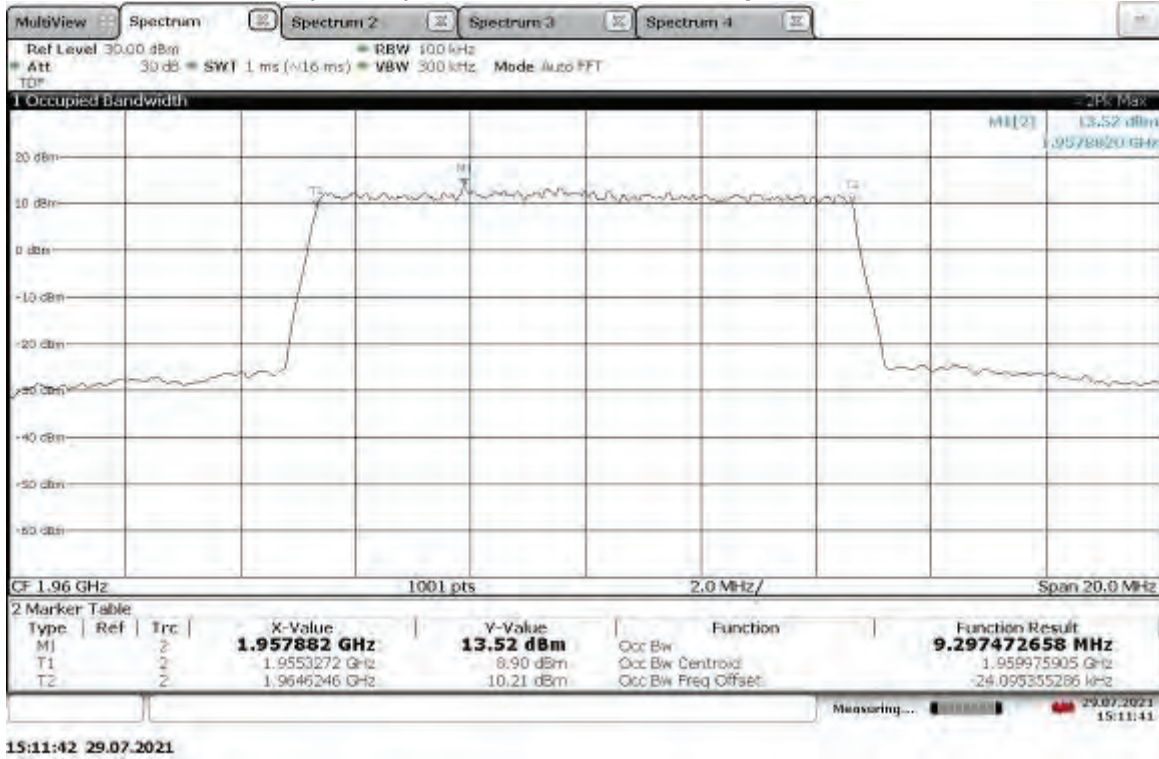
15:10:31 29.07.2021

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

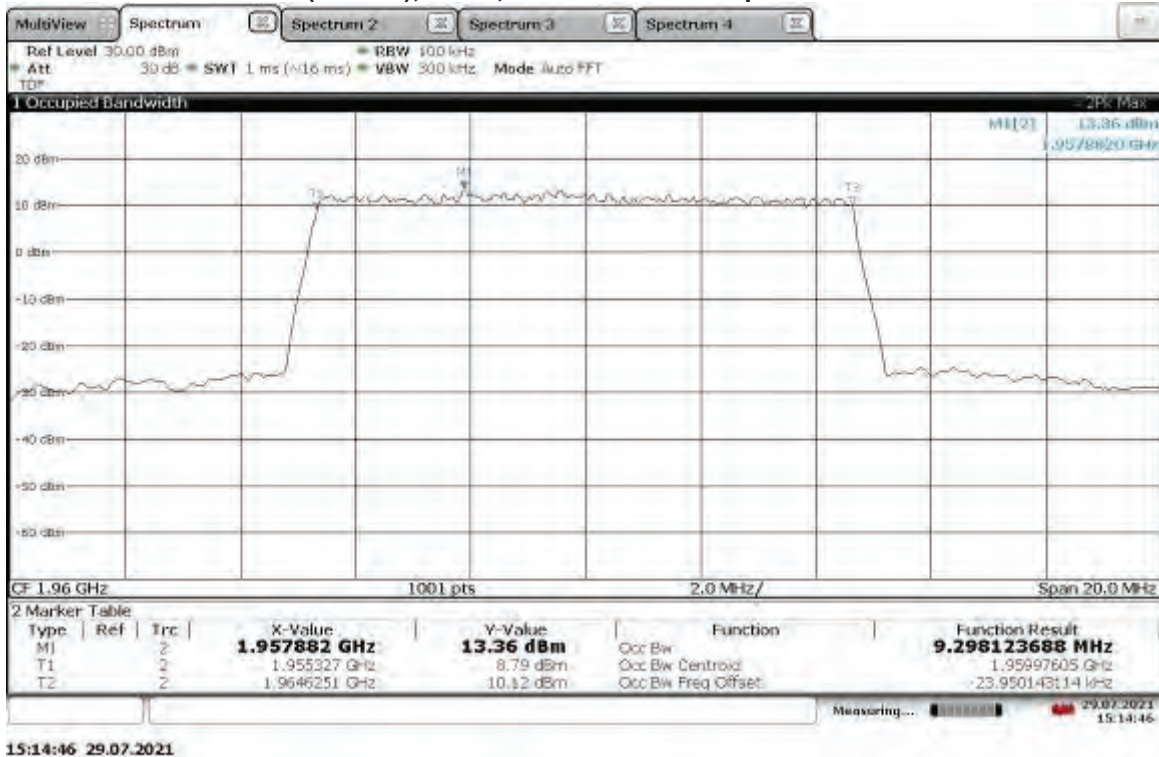


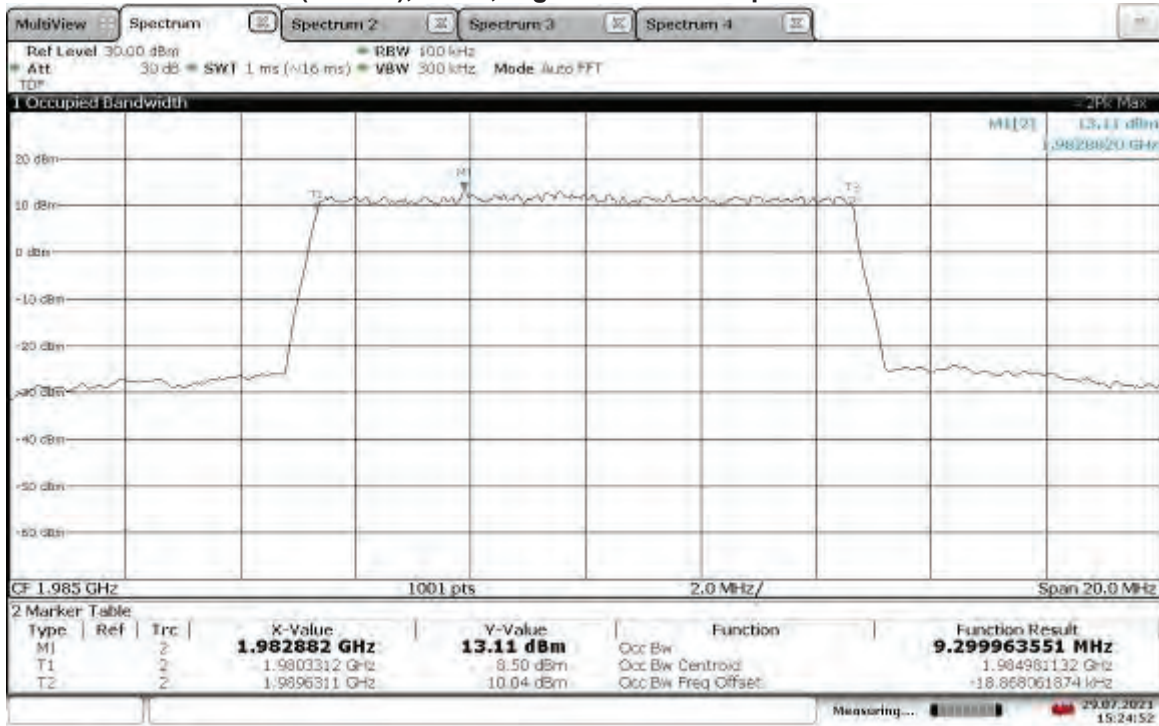
15:06:57 29.07.2021

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

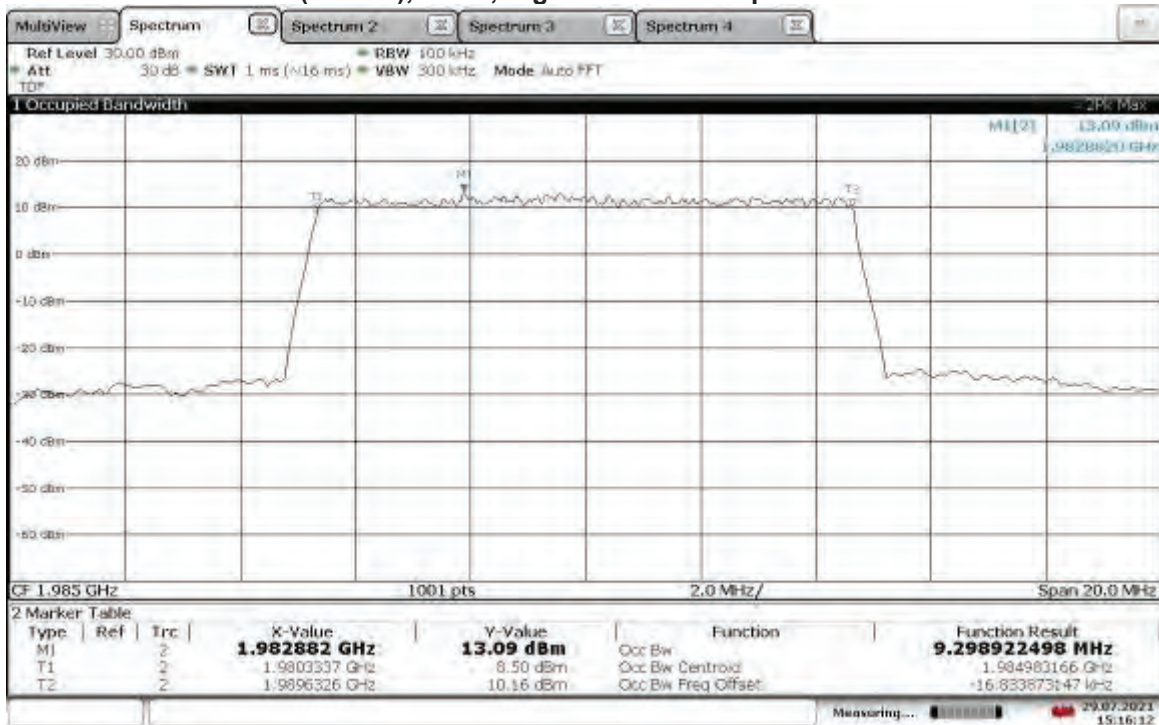


TM1.1-QPSK_10 MHz Bandwidth
Slot 2 (Band 2), ANT1, Mid Channel Occupied Bandwidth



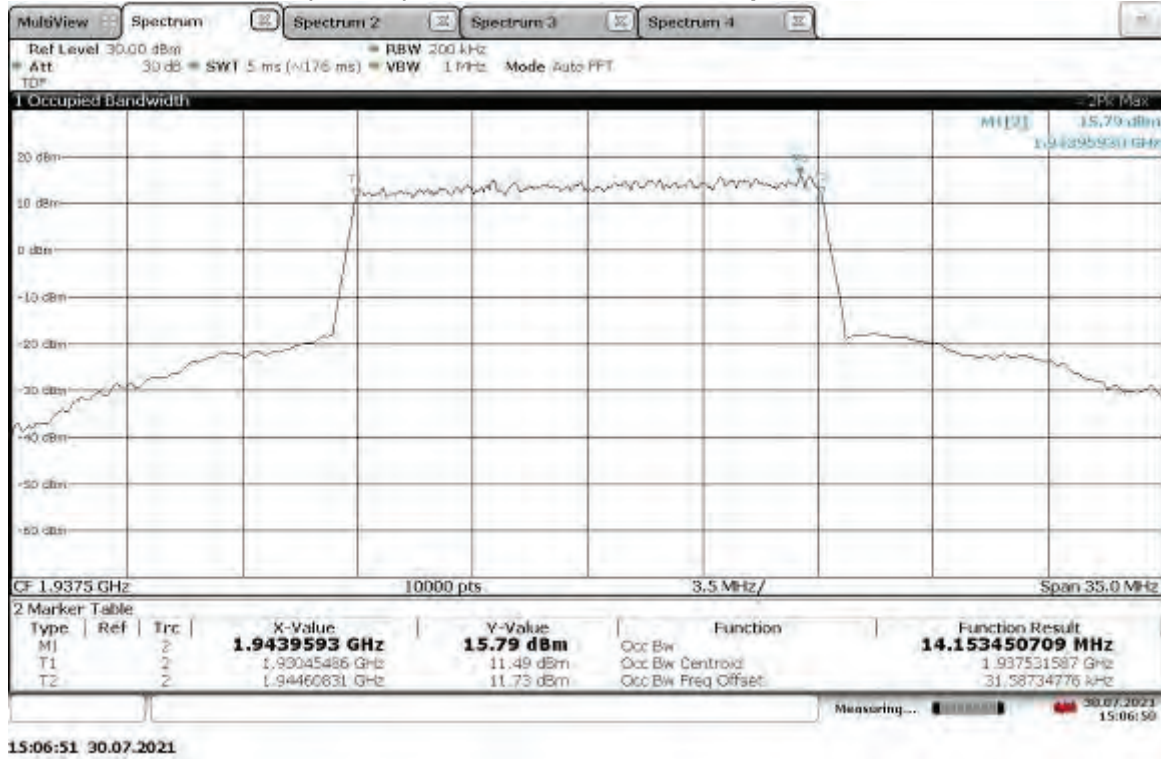
**TM1.1-QPSK_10 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel Occupied Bandwidth**

15:24:52 29.07.2021

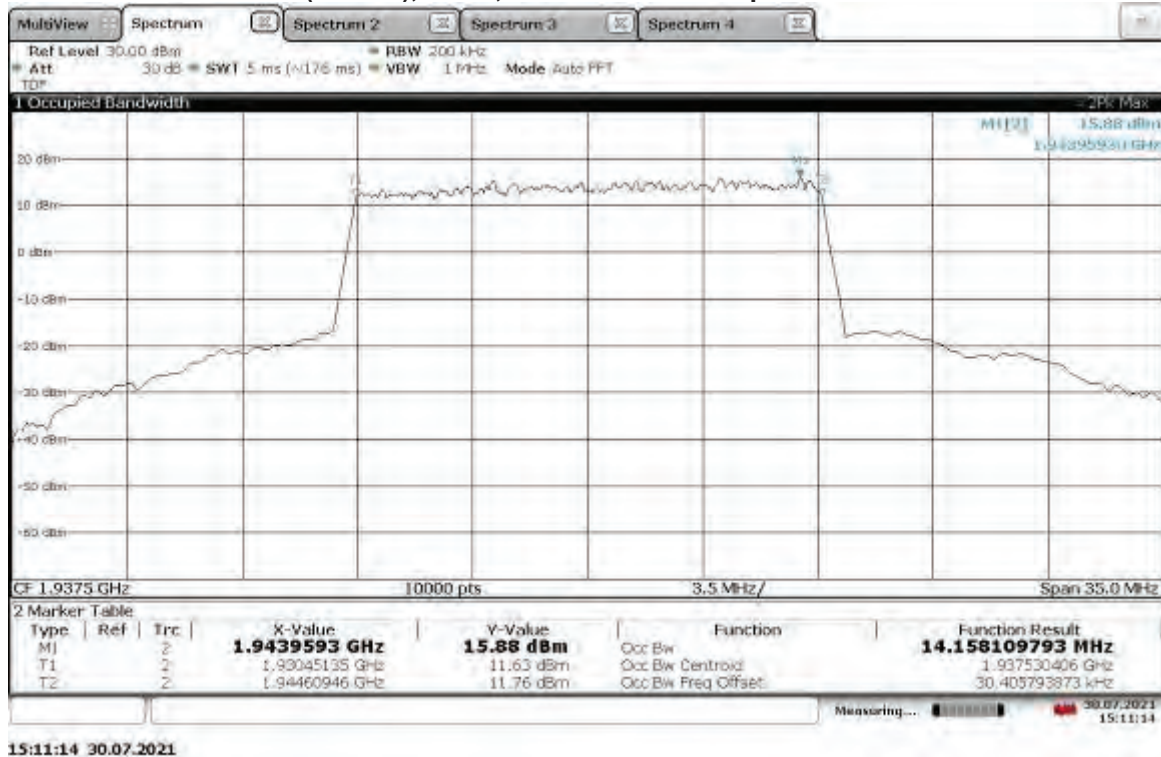
**TM1.1-QPSK_10 MHz Bandwidth
Slot 2 (Band 2), ANT1, High Channel Occupied Bandwidth**

15:16:12 29.07.2021

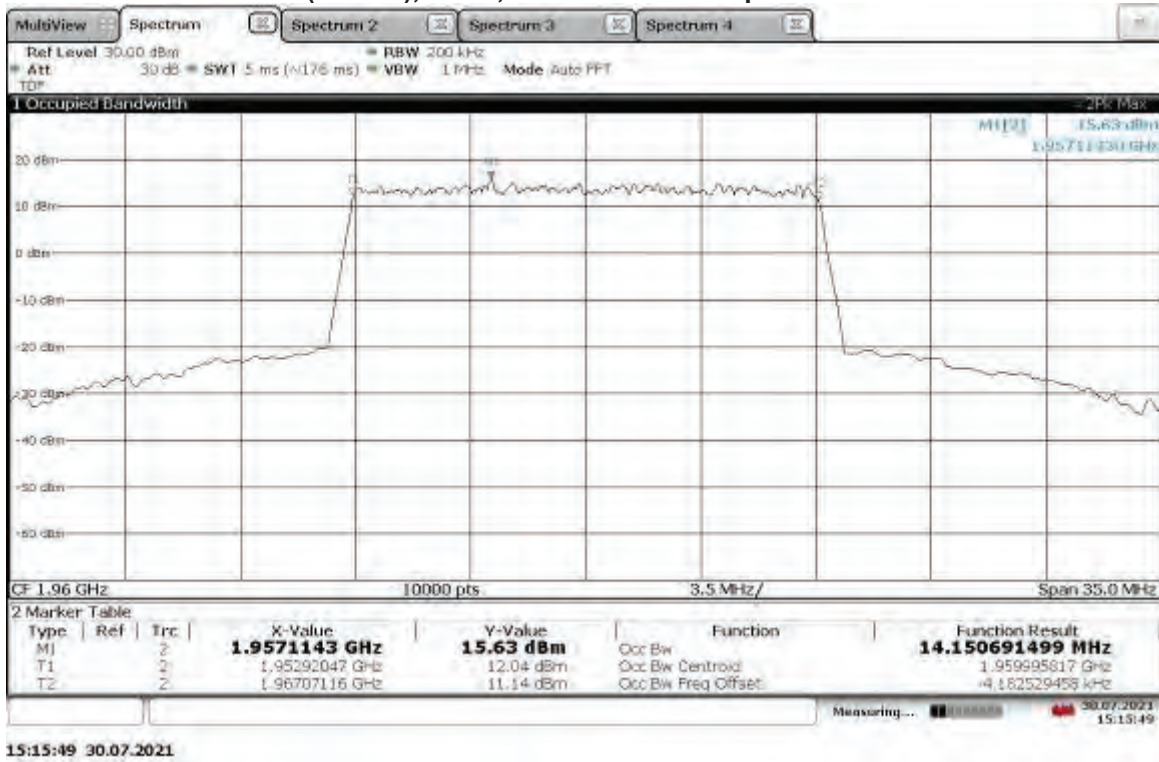
TM1.1-QPSK_15 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel Occupied Bandwidth



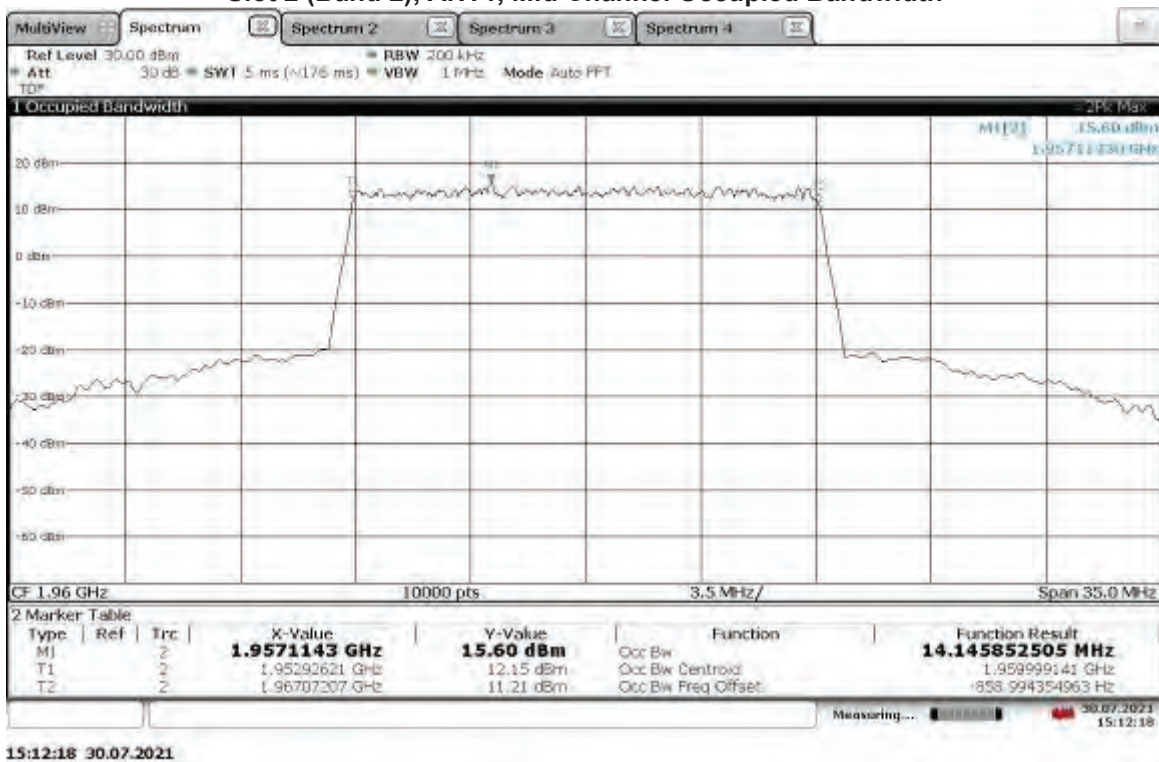
TM1.1-QPSK_15 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel Occupied Bandwidth



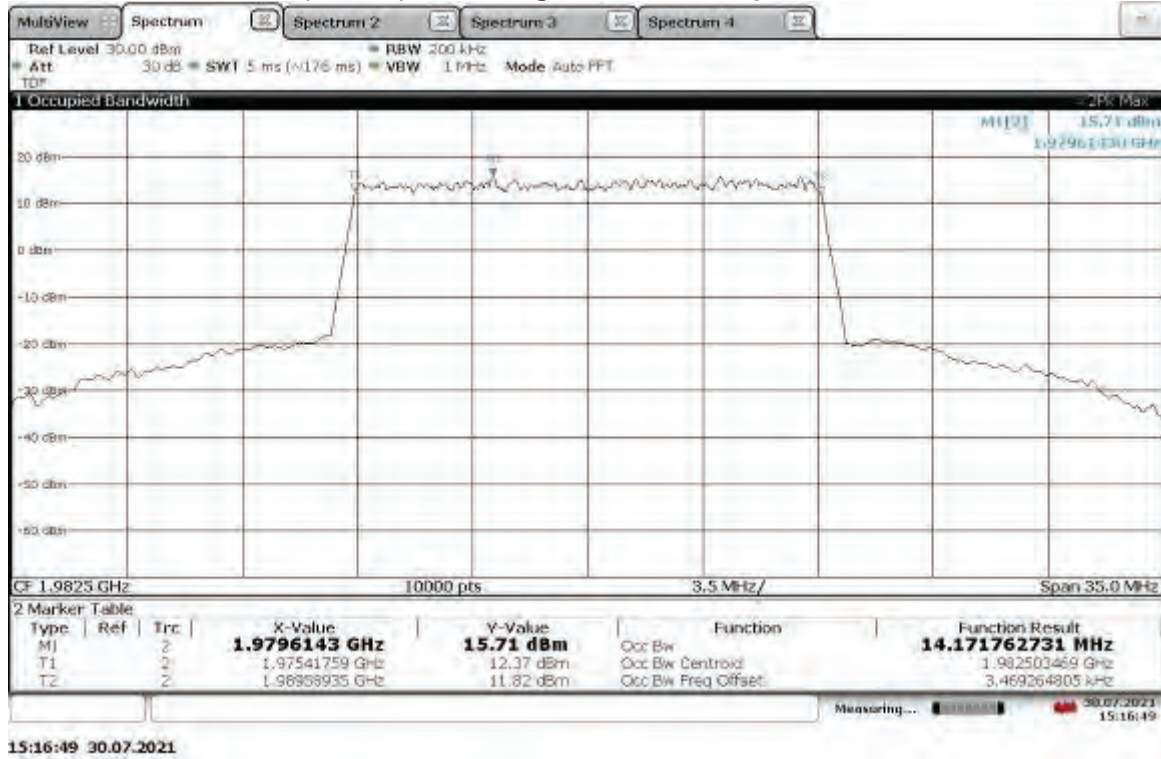
**TM1.1-QPSK_15 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel Occupied Bandwidth**



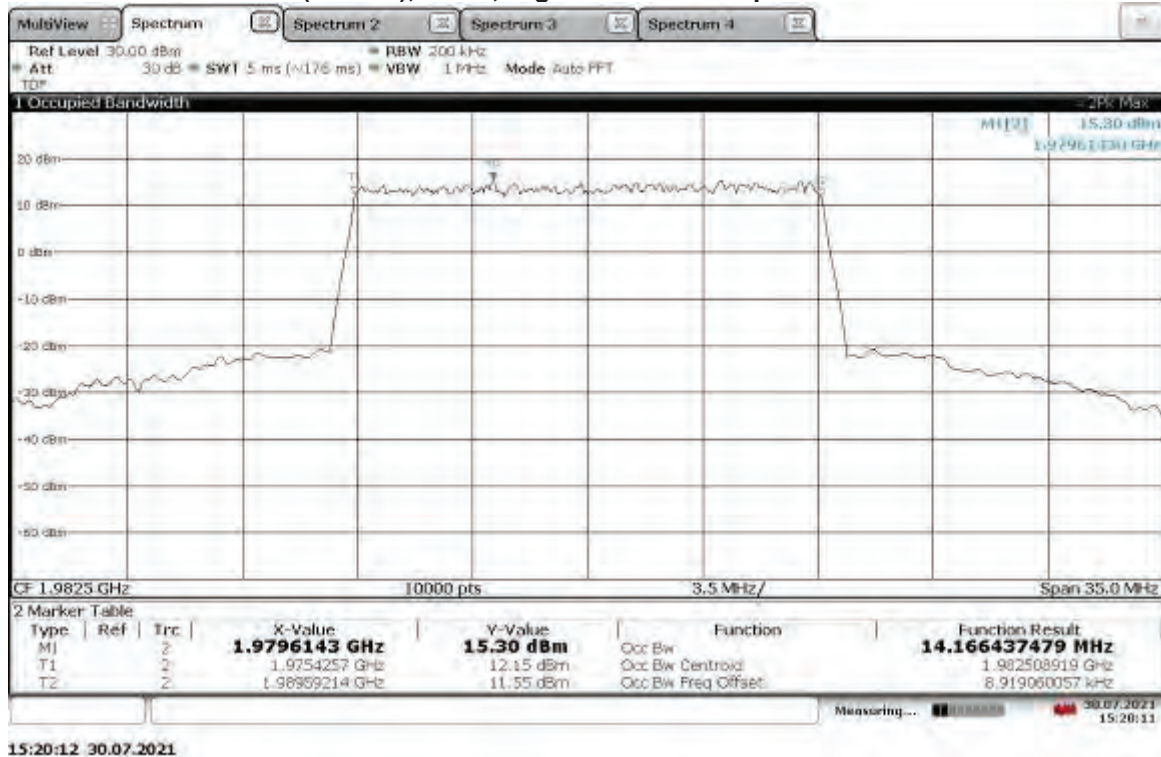
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Slot 2 (Band 2), ANT1, Mid Channel Occupied Bandwidth**



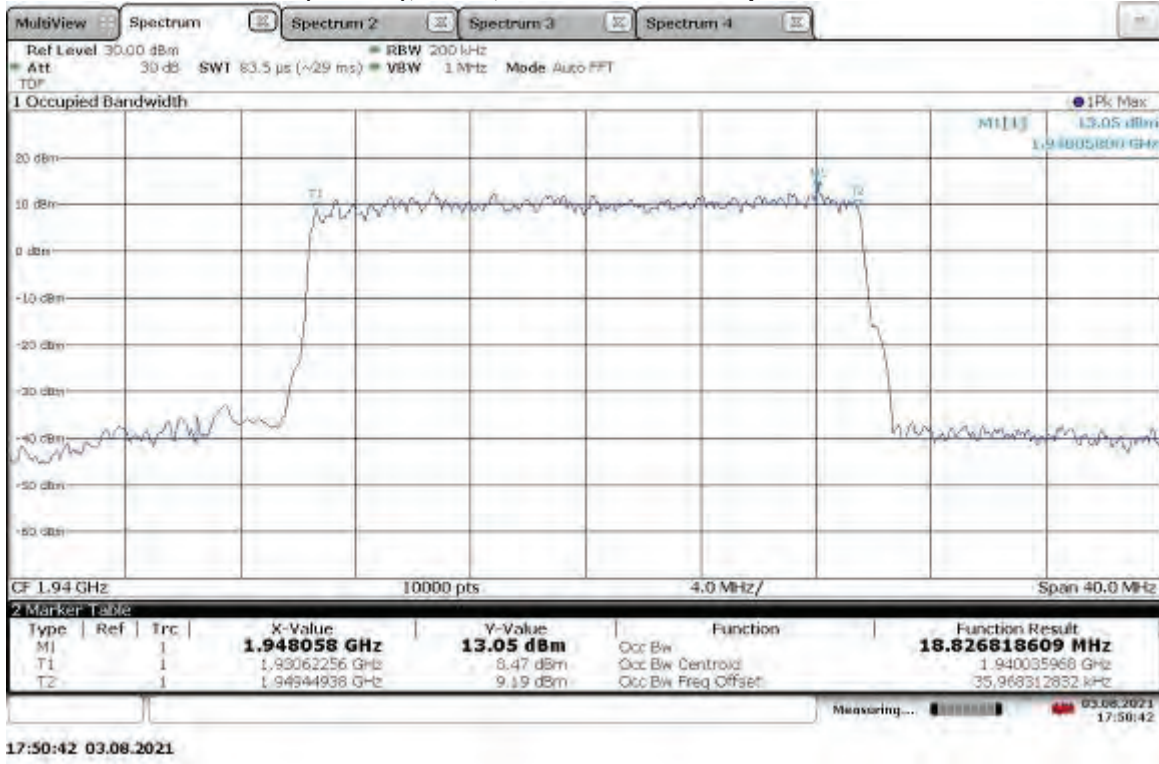
TM1.1-QPSK_15 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel Occupied Bandwidth



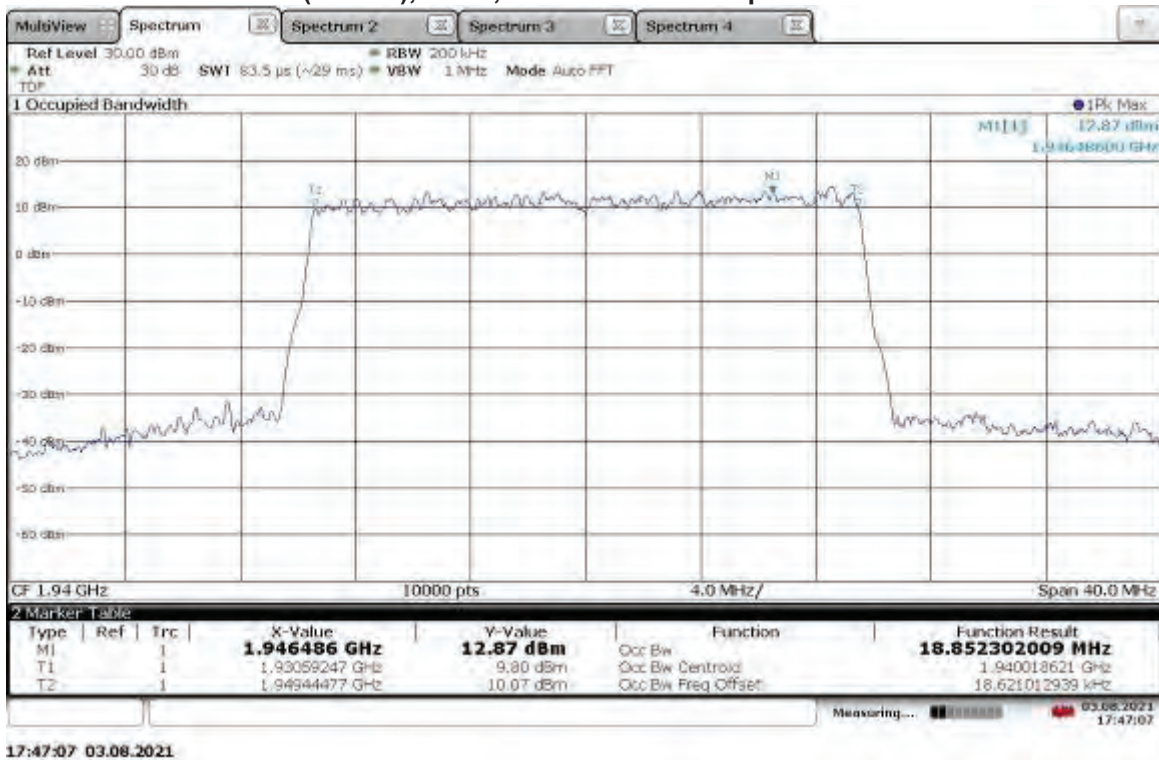
TM1.1-QPSK_15 MHz Bandwidth
Slot 2 (Band 2), ANT1, High Channel Occupied Bandwidth

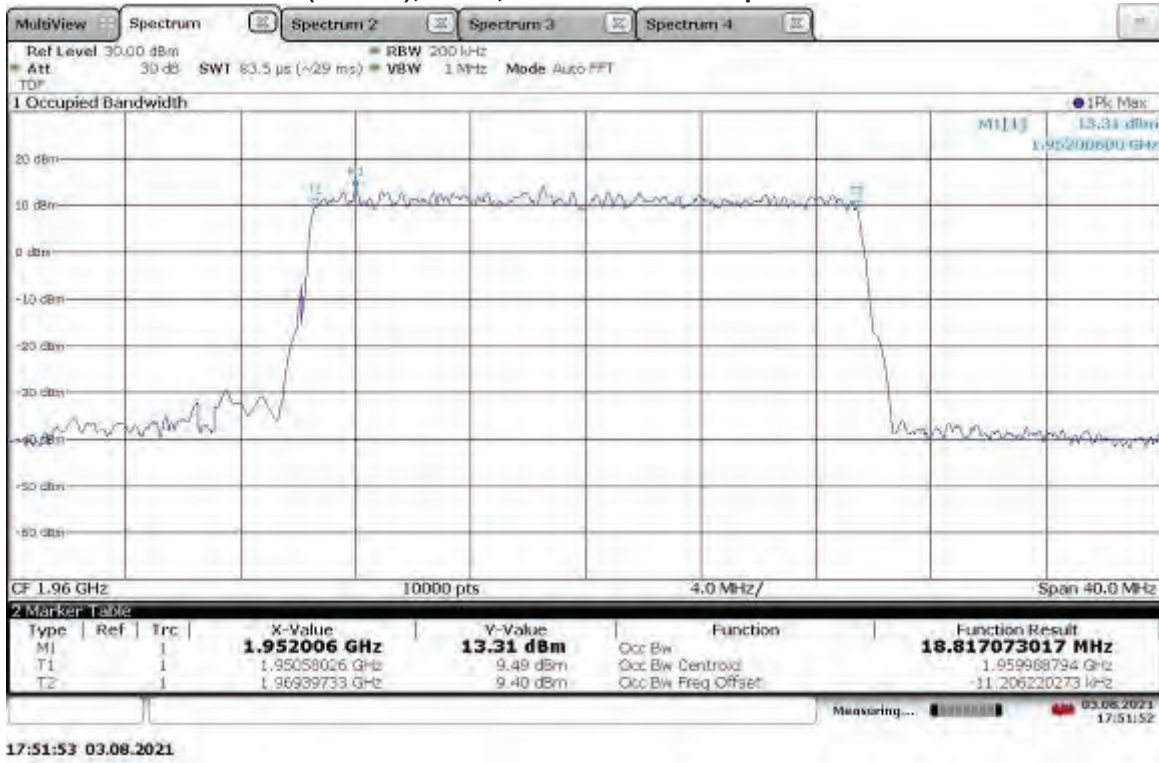
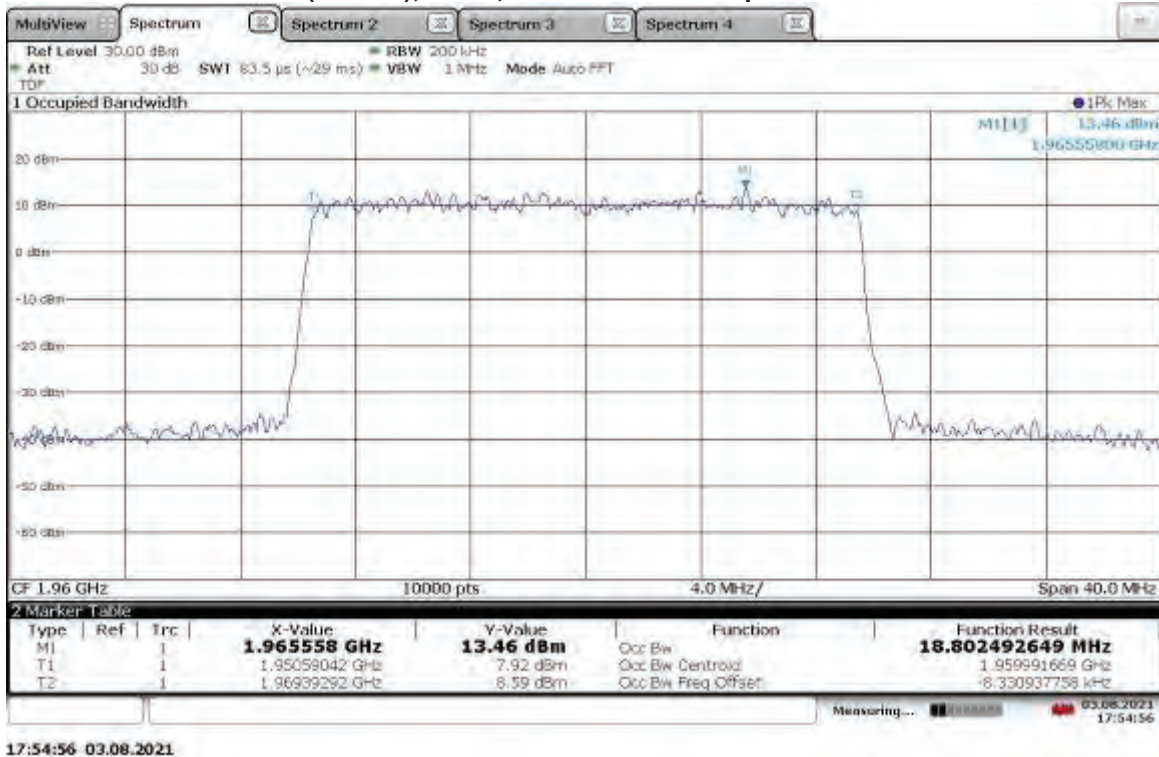


**TM1.1-QPSK_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel Occupied Bandwidth**

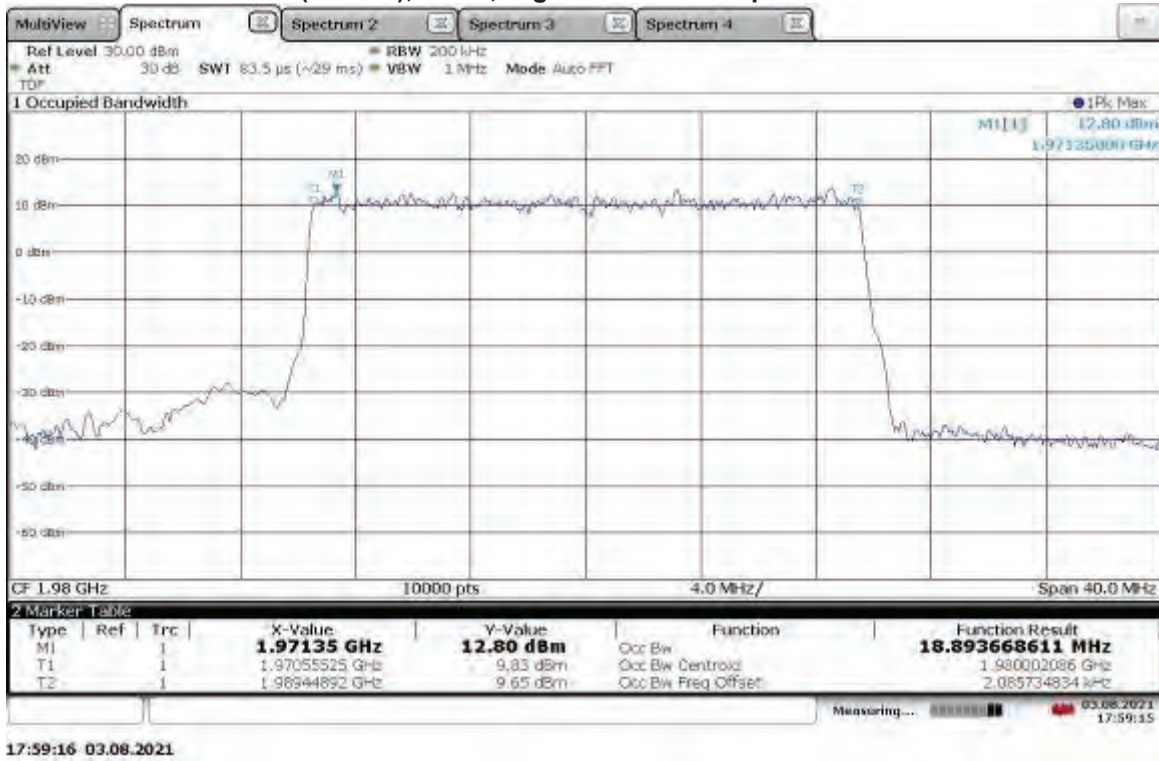


**TM1.1-QPSK_20 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel Occupied Bandwidth**

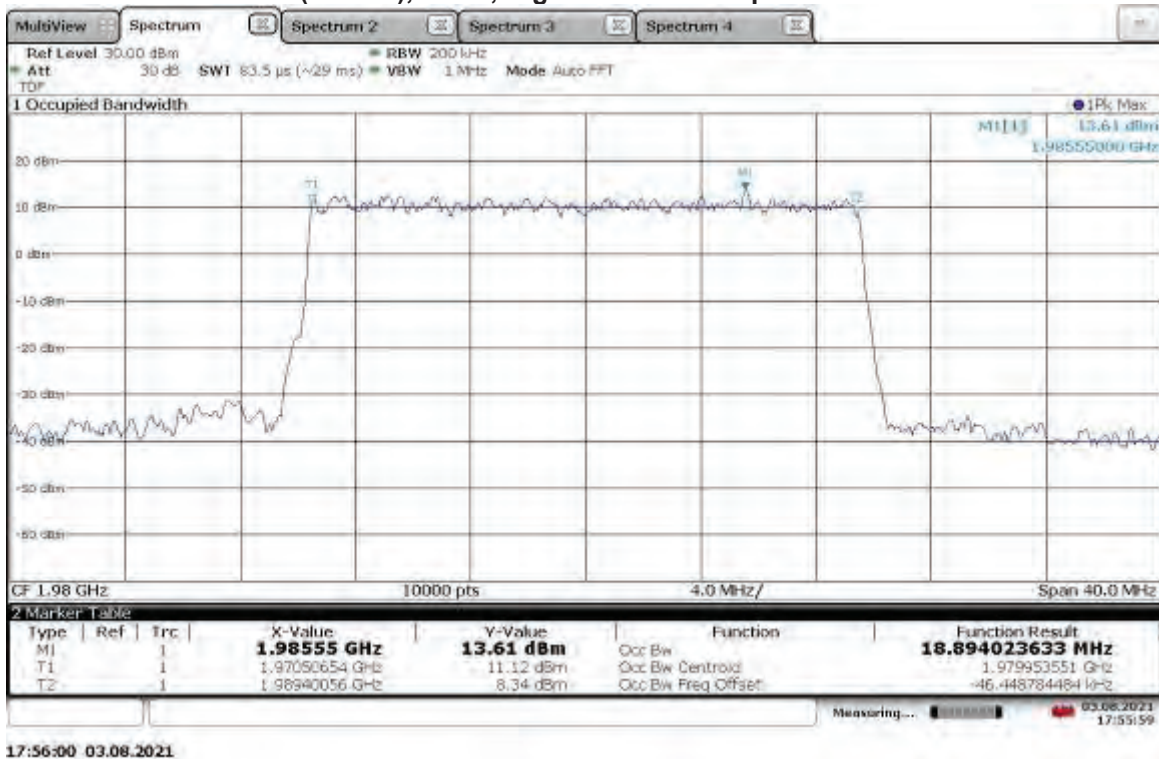


**TM1.1-QPSK_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel Occupied Bandwidth****TM1.1-QPSK_20 MHz Bandwidth
Slot 2 (Band 2), ANT1, Mid Channel Occupied Bandwidth**

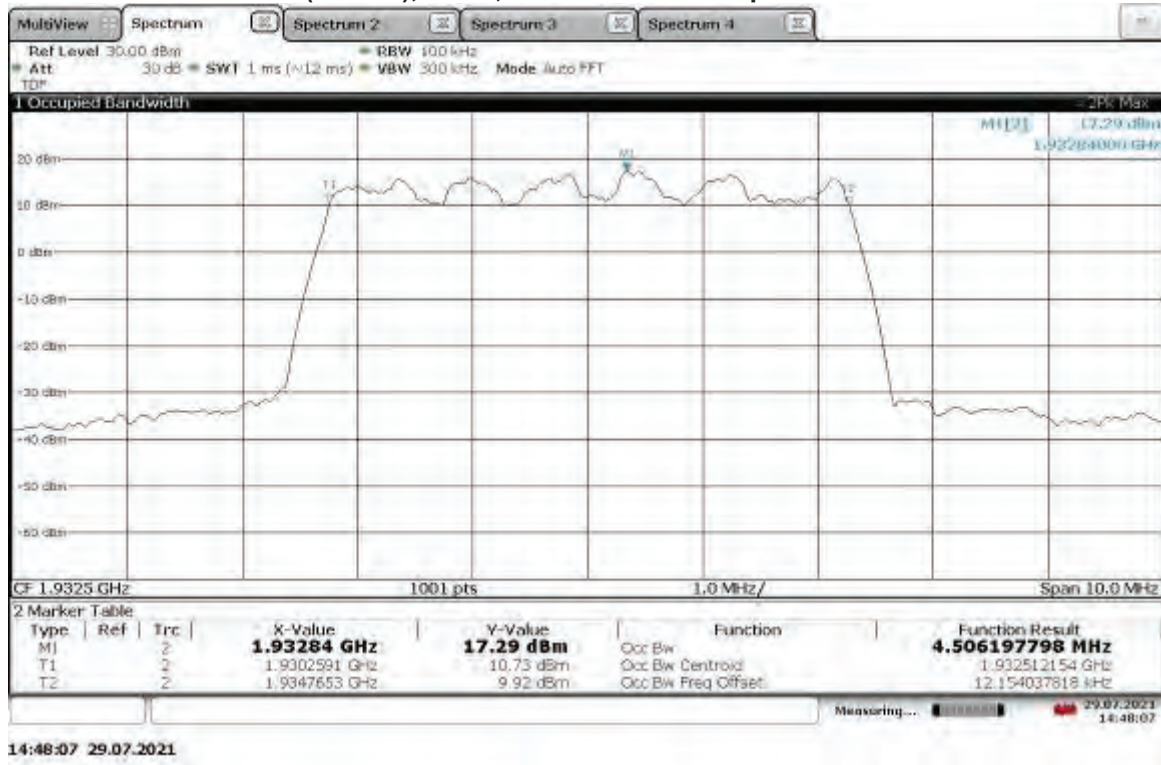
TM1.1-QPSK_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel Occupied Bandwidth



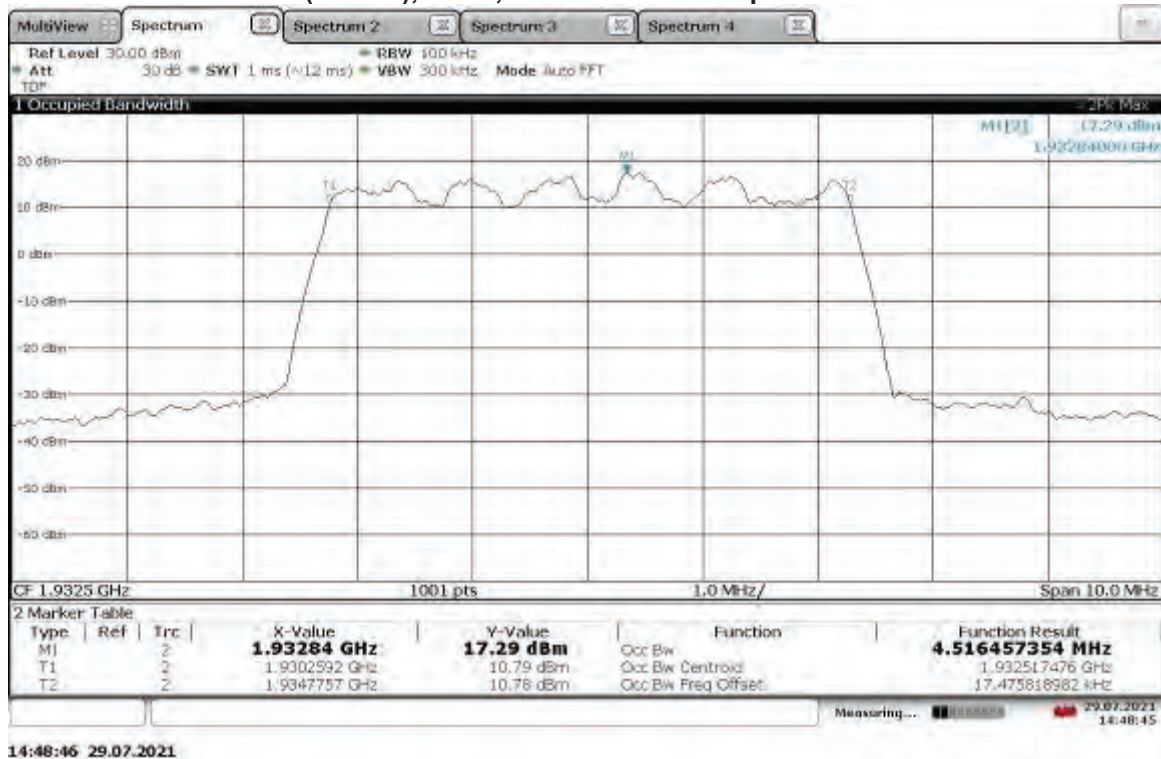
TM1.1-QPSK_20 MHz Bandwidth
Slot 2 (Band 2), ANT1, High Channel Occupied Bandwidth

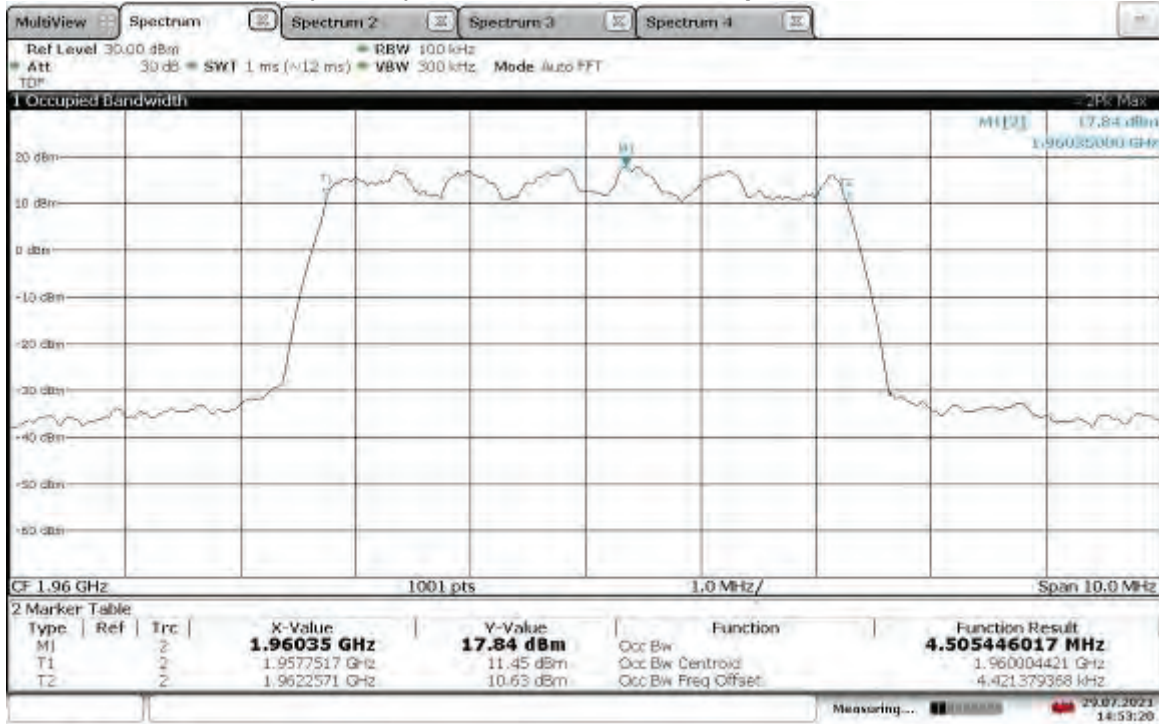


TM3.2-16QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel Occupied Bandwidth

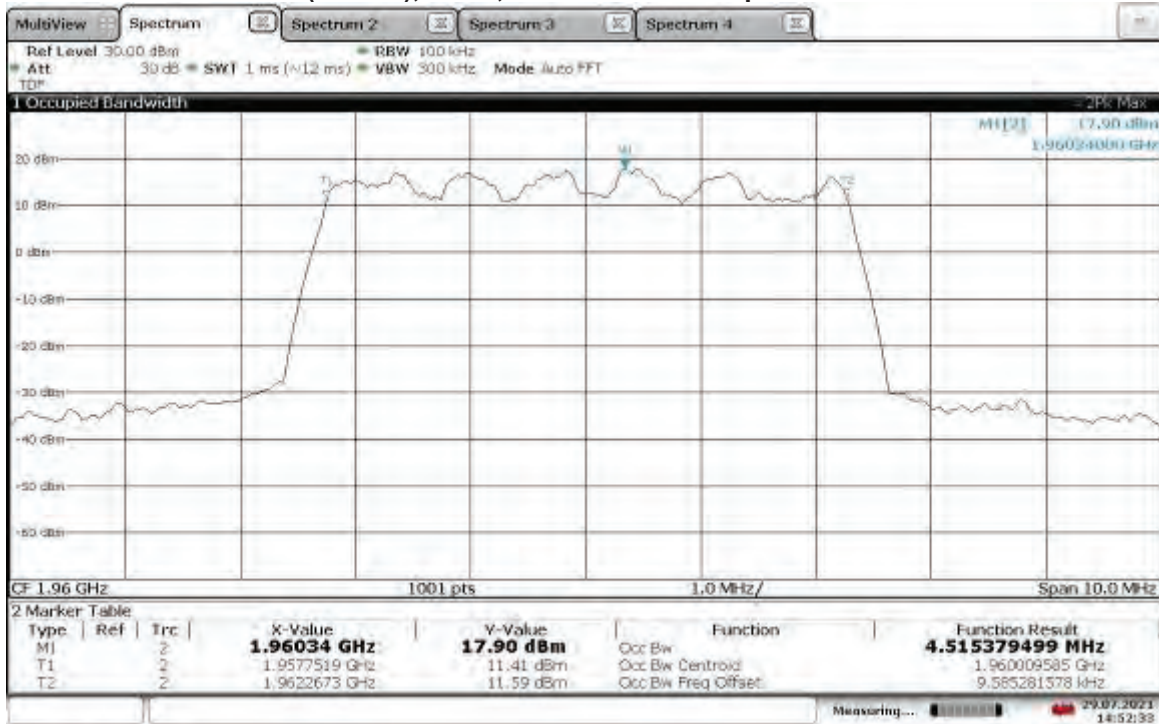


TM3.2-16QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel Occupied Bandwidth



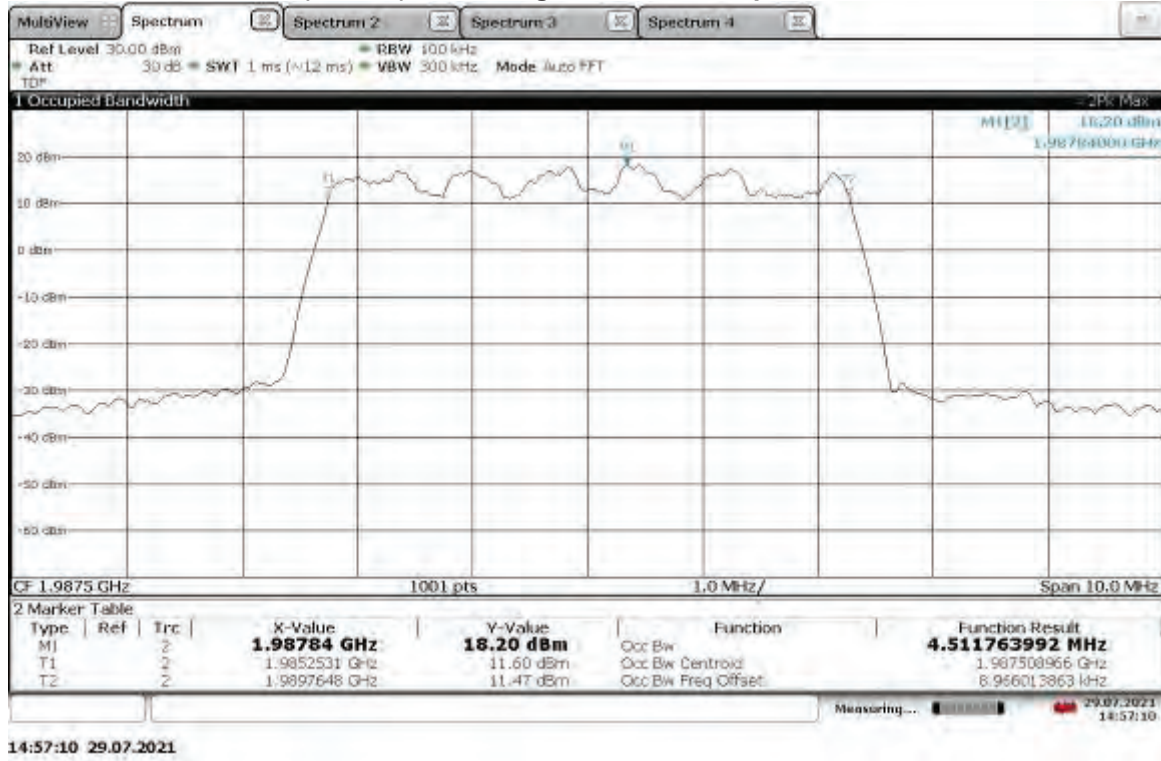
**TM3.2-16QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel Occupied Bandwidth**

14:53:20 29.07.2021

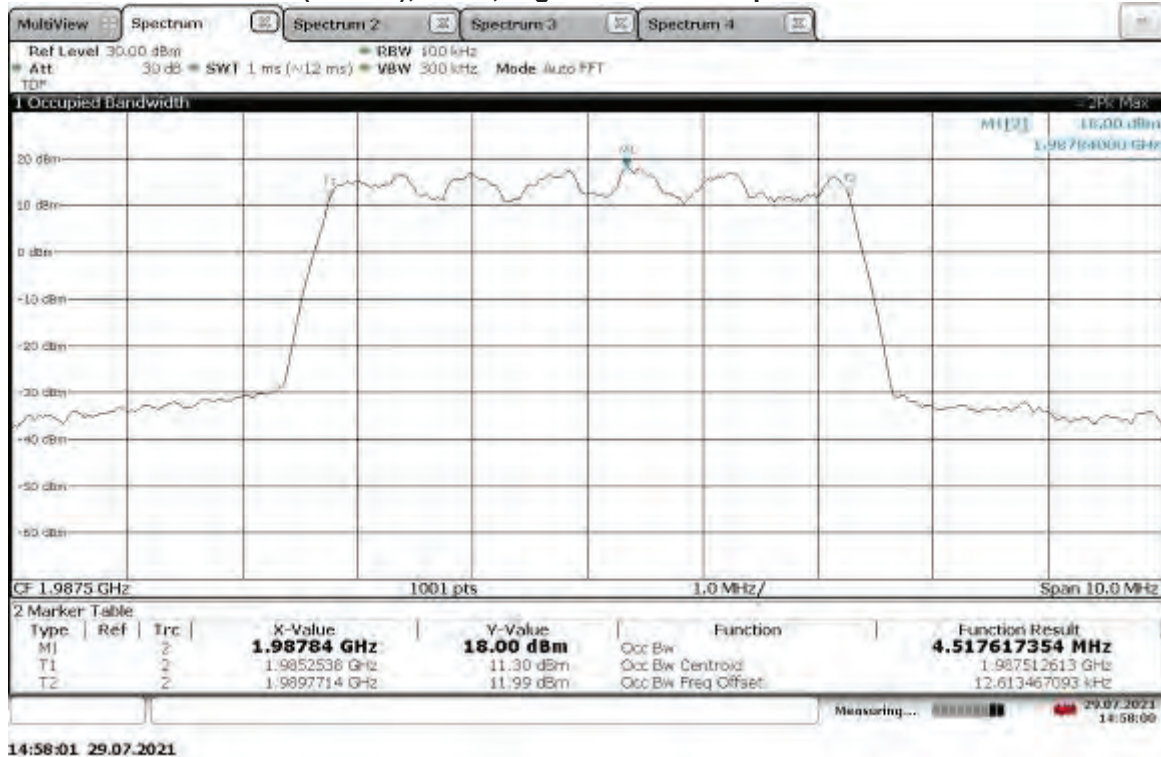
**TM3.2-16QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT1, Mid Channel Occupied Bandwidth**

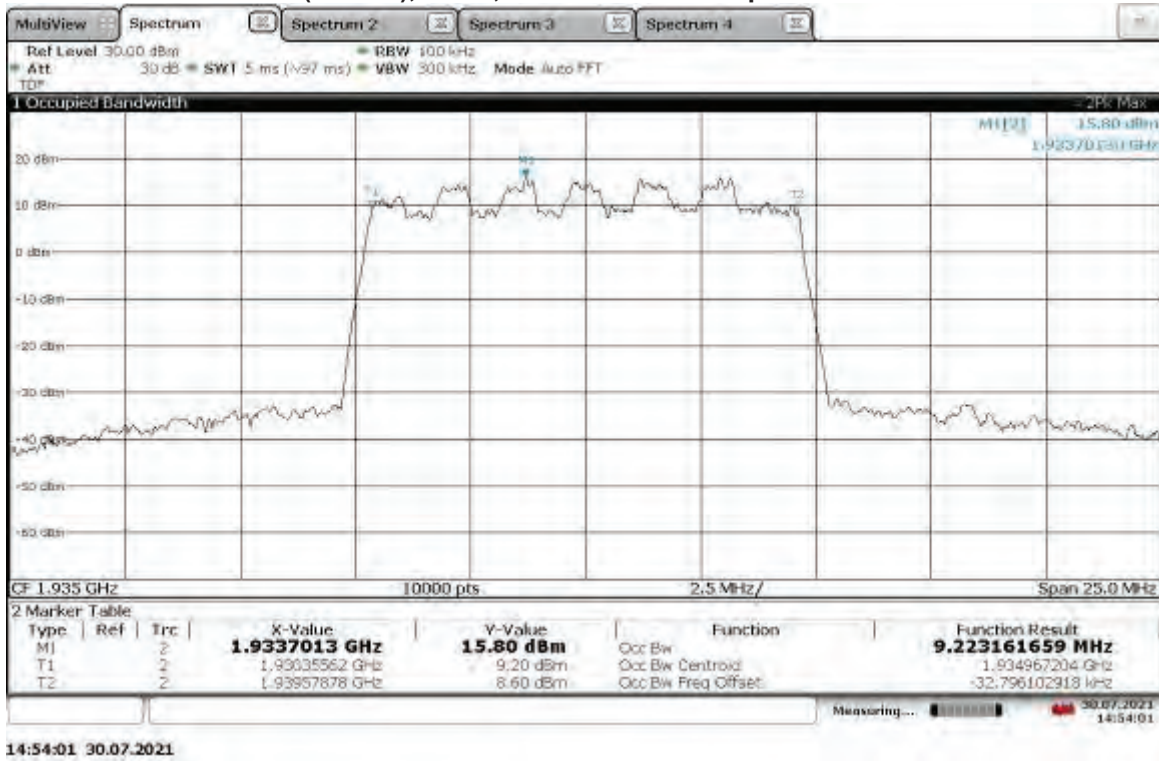
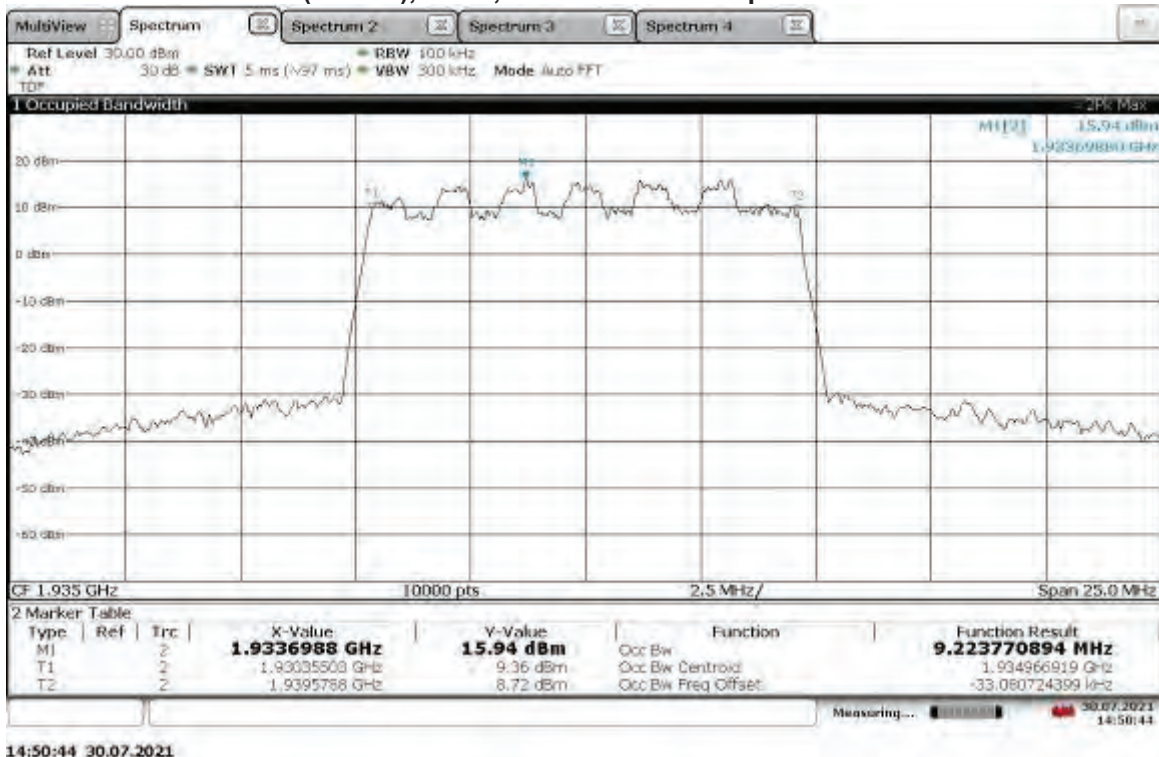
14:52:33 29.07.2021

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

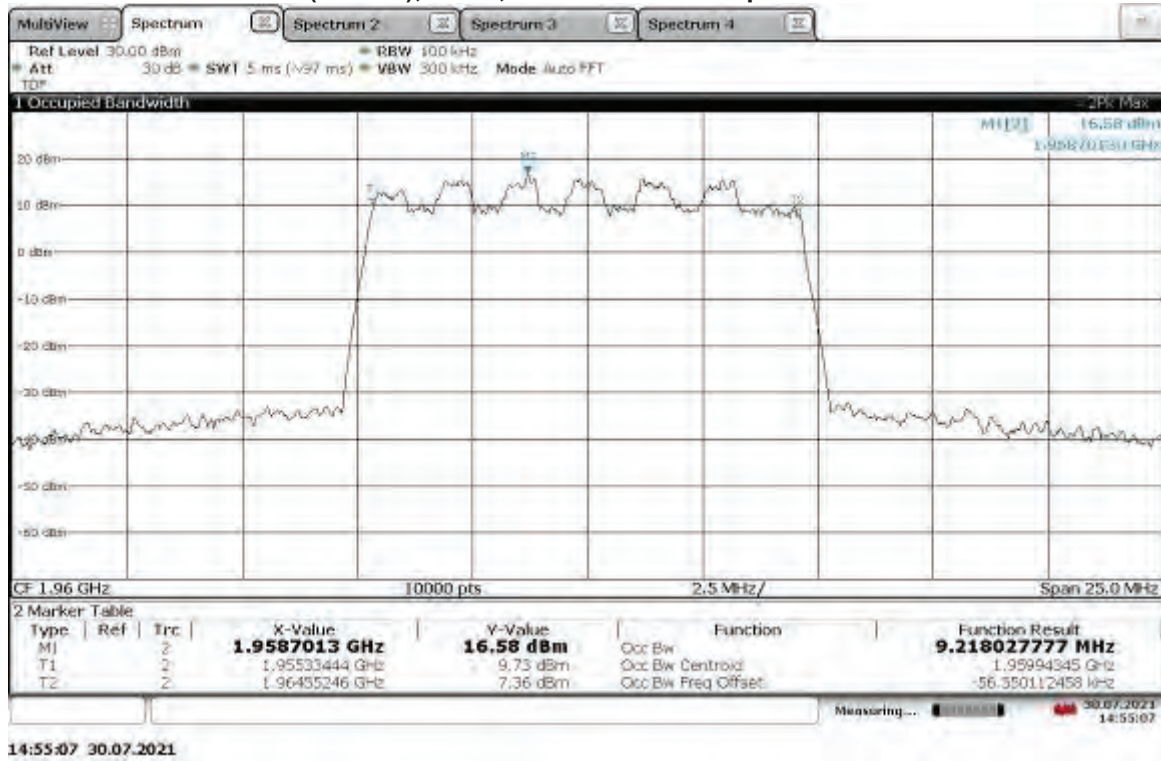


TM3.2-16QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT1, High Channel Occupied Bandwidth

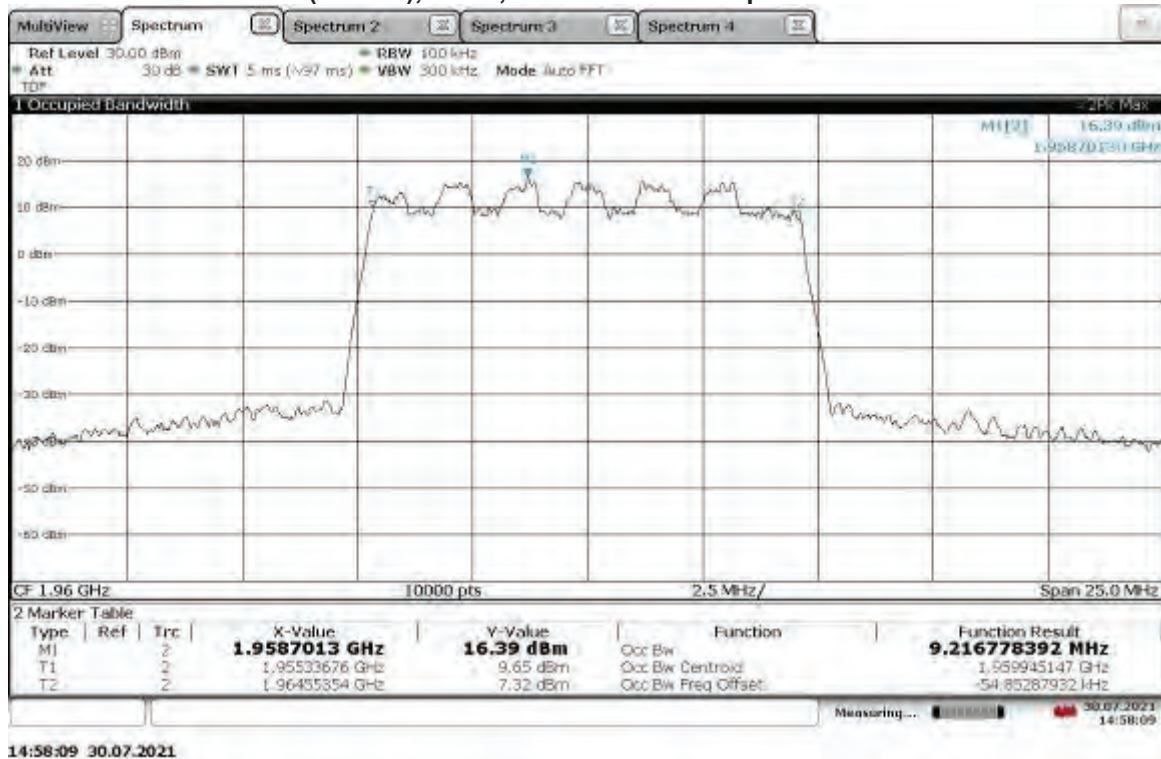


**TM3.2-16QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel Occupied Bandwidth****TM3.2-16QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel Occupied Bandwidth**

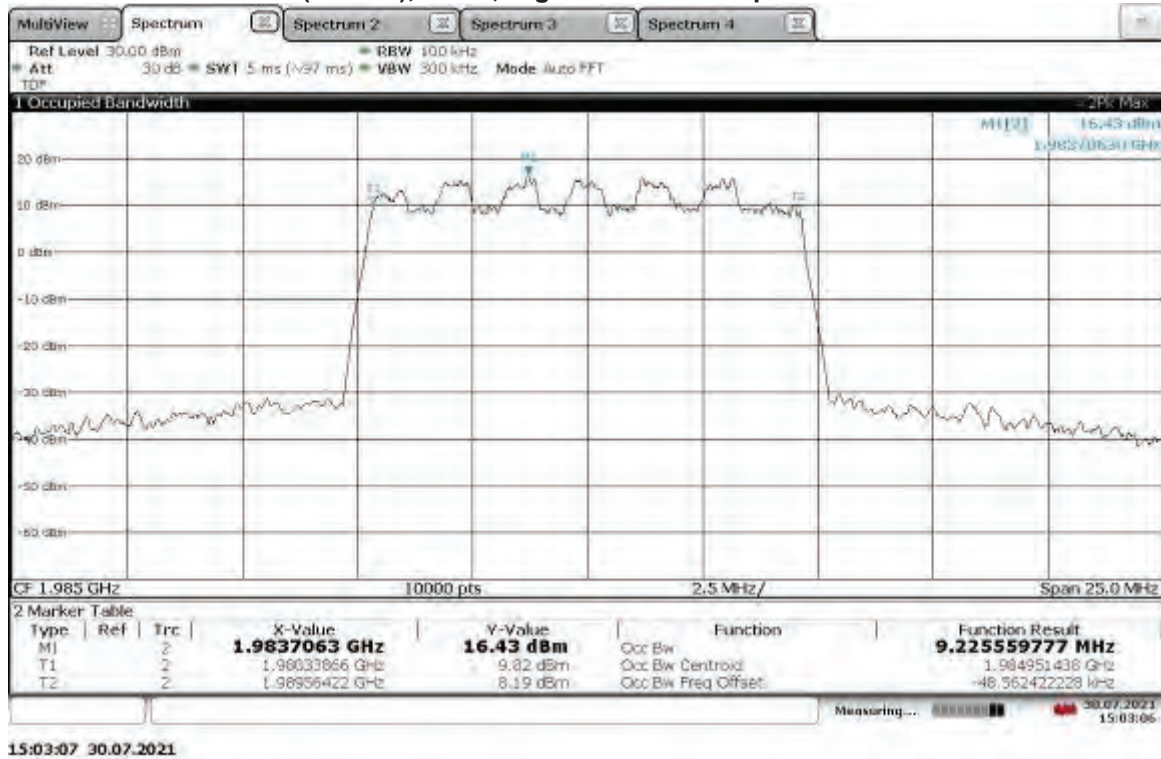
TM3.2-16QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel Occupied Bandwidth



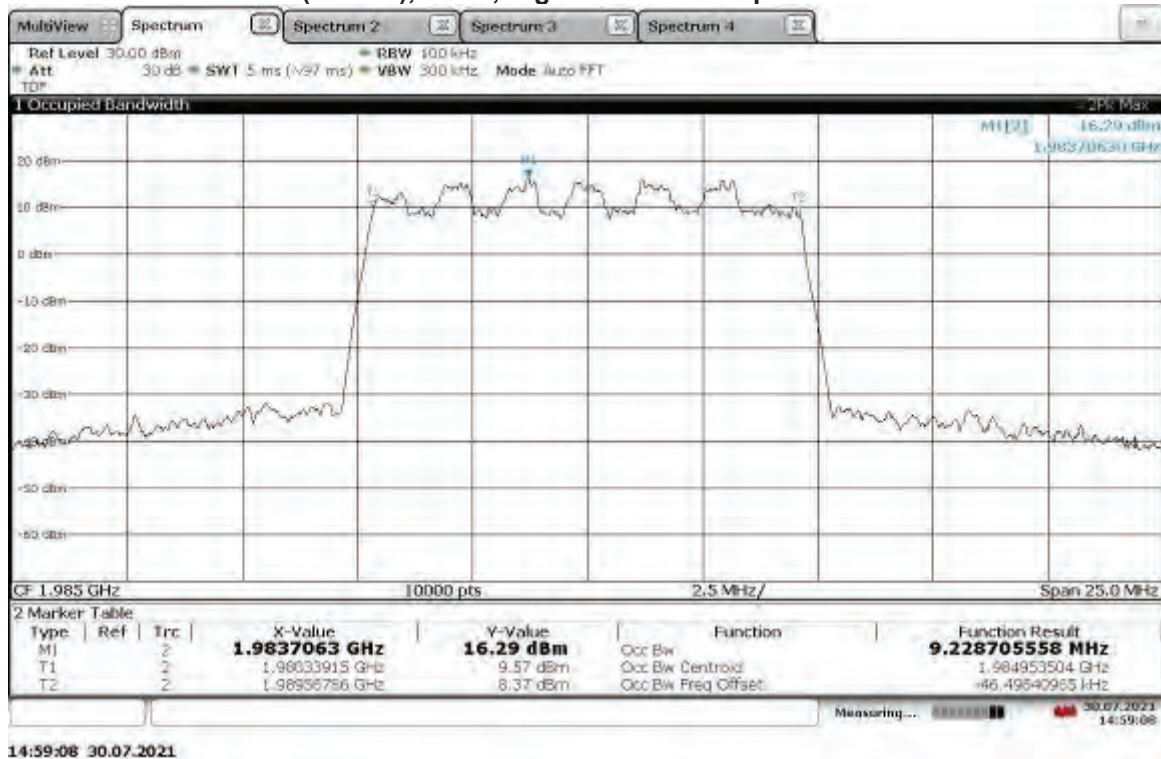
TM3.2-16QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT1, Mid Channel Occupied Bandwidth

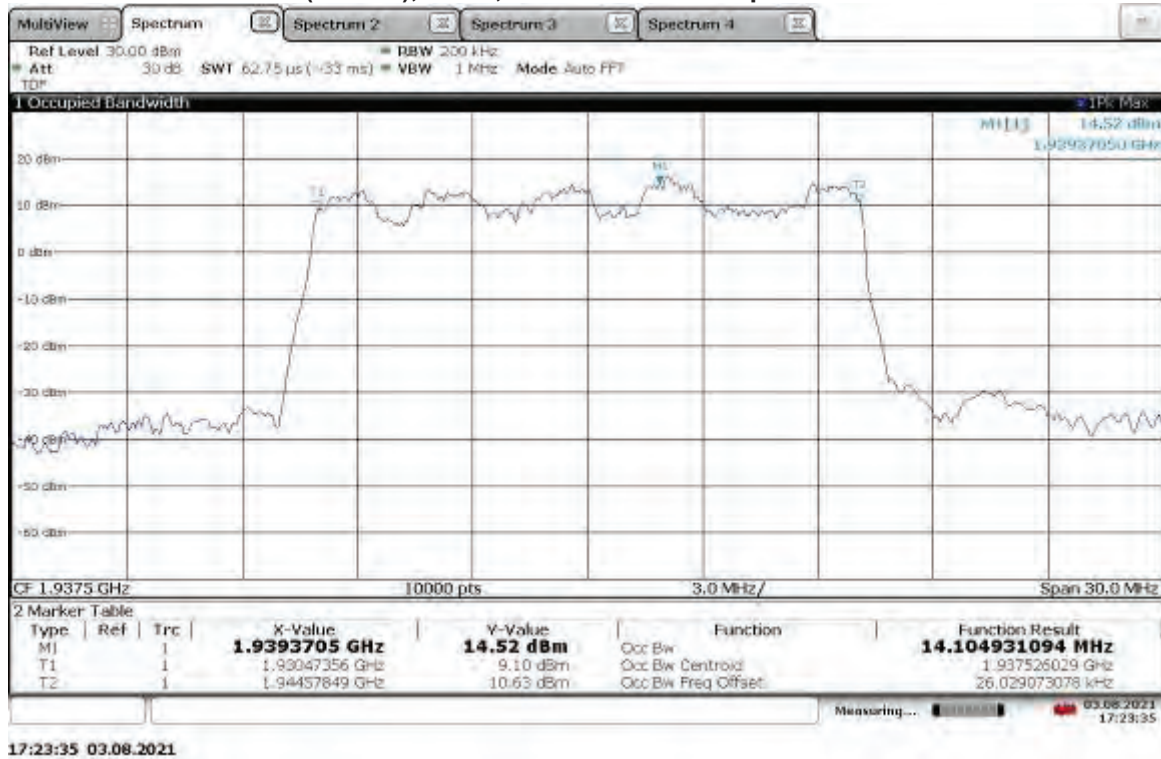
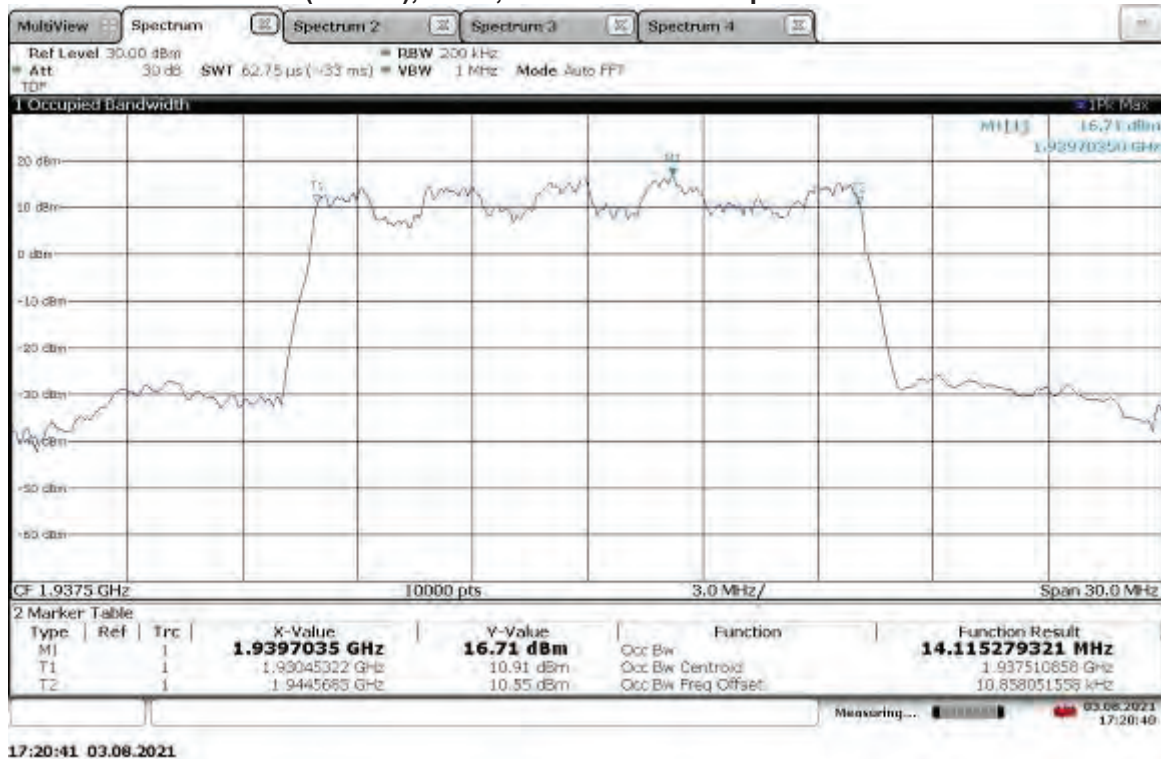


TM3.2-16QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel Occupied Bandwidth

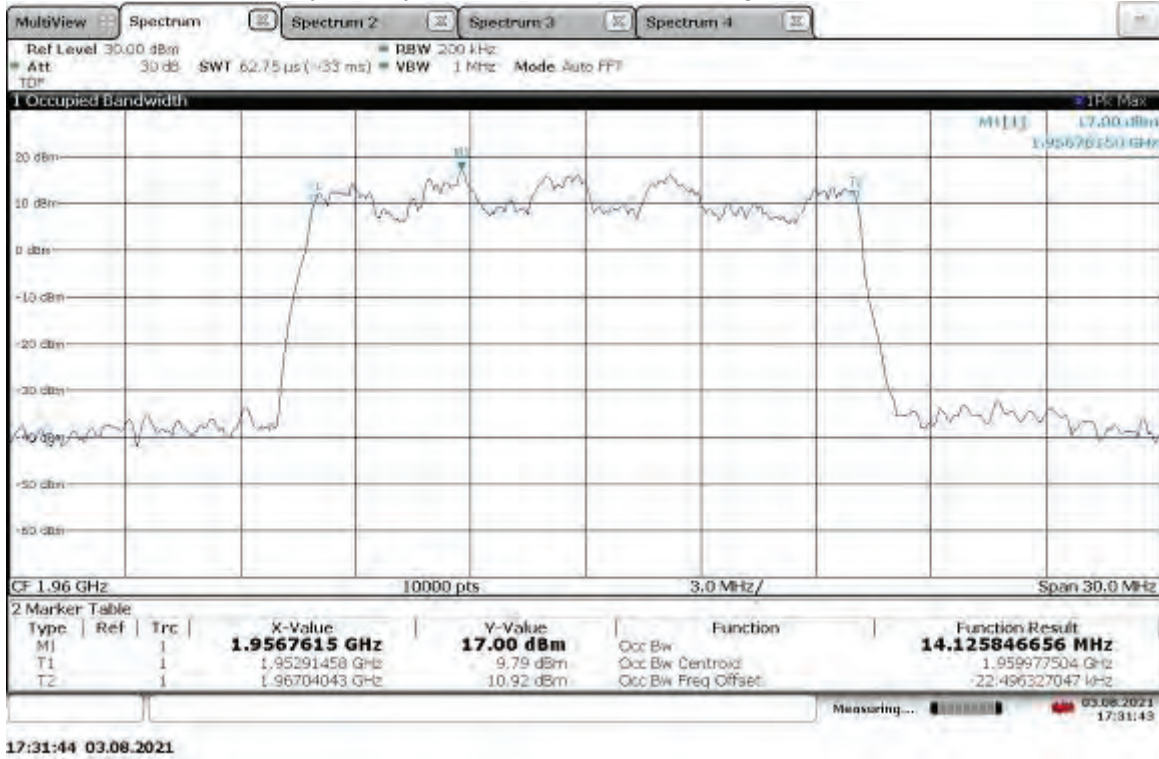


TM3.2-16QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT1, High Channel Occupied Bandwidth

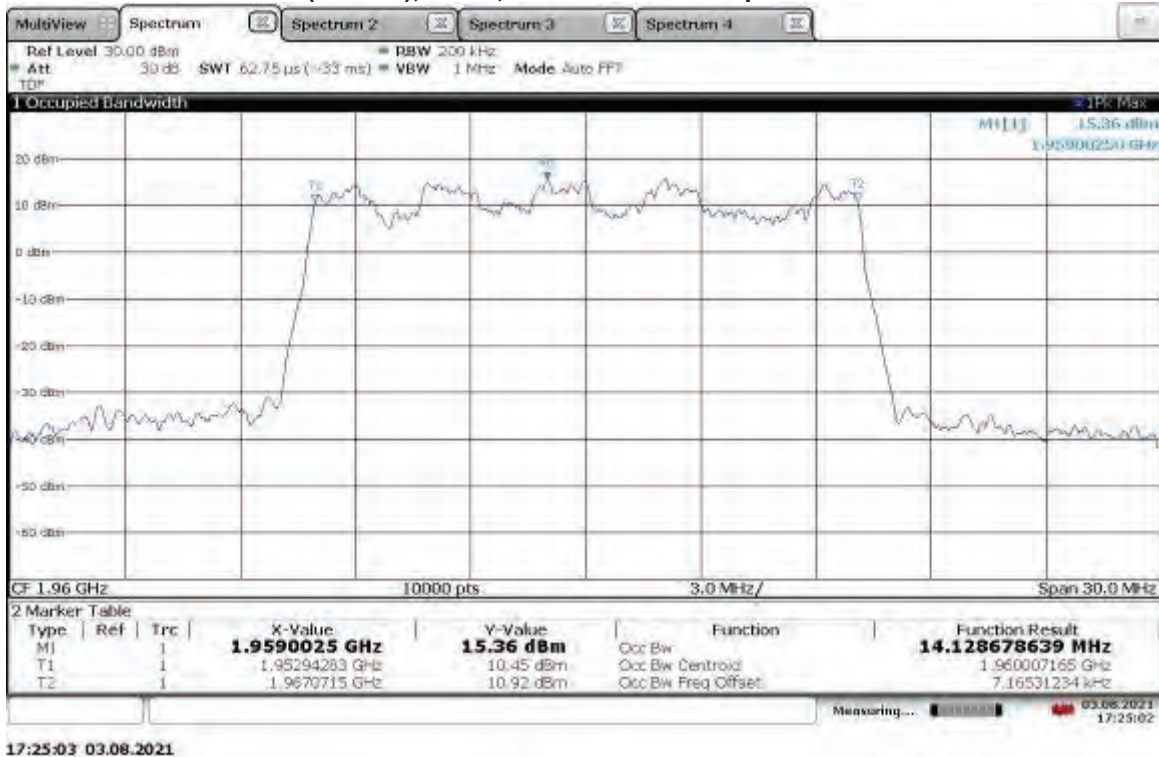


**TM3.2-16QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel Occupied Bandwidth****TM3.2-16QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel Occupied Bandwidth**

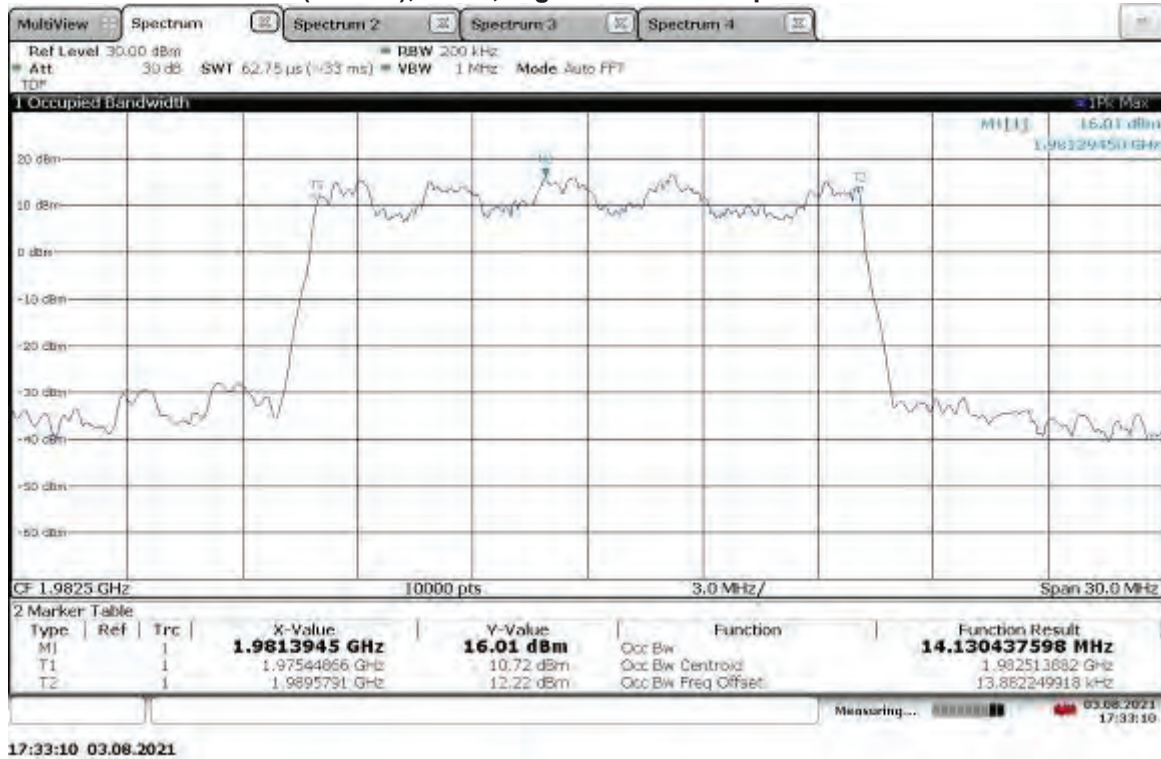
TM3.2-16QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel Occupied Bandwidth



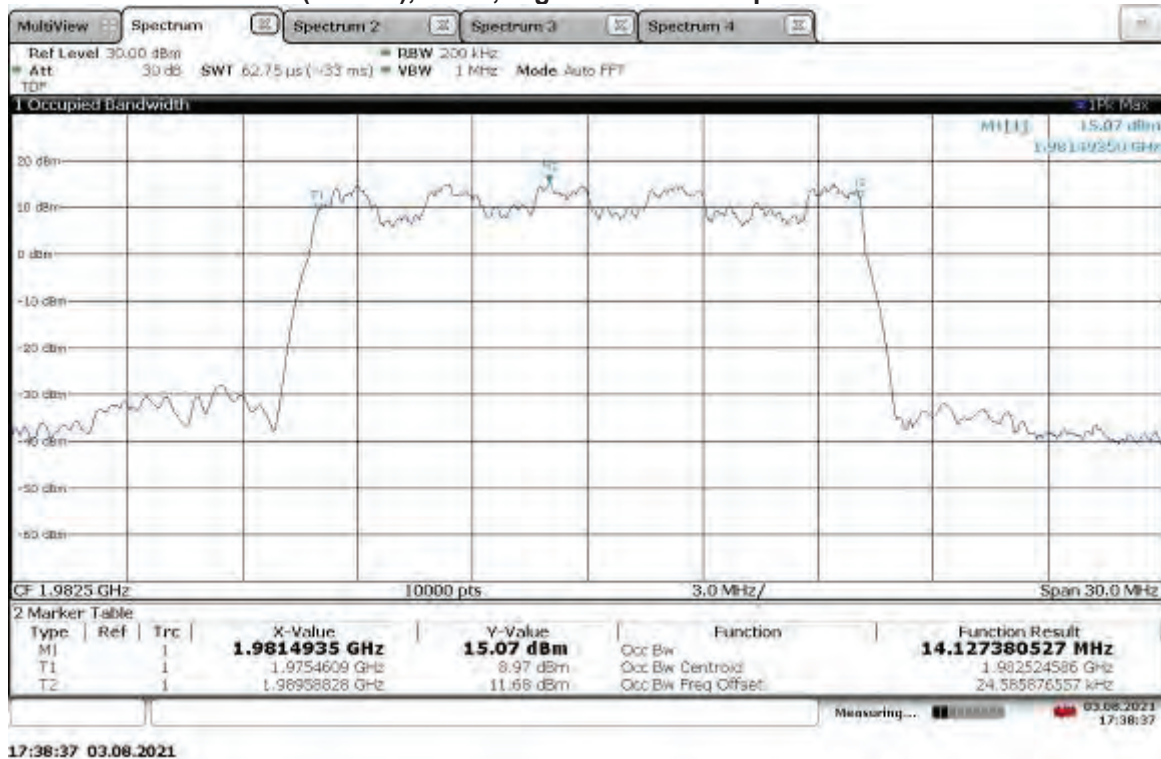
TM3.2-16QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT1, Mid Channel Occupied Bandwidth

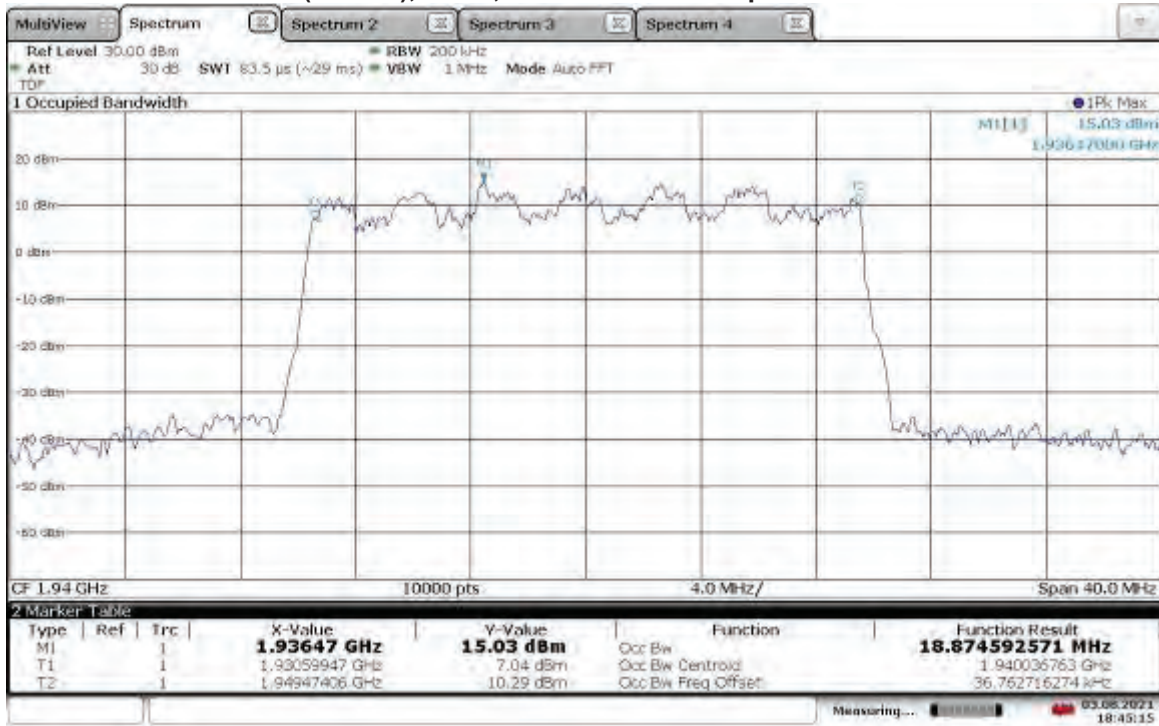


**TM3.2-16QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel Occupied Bandwidth**

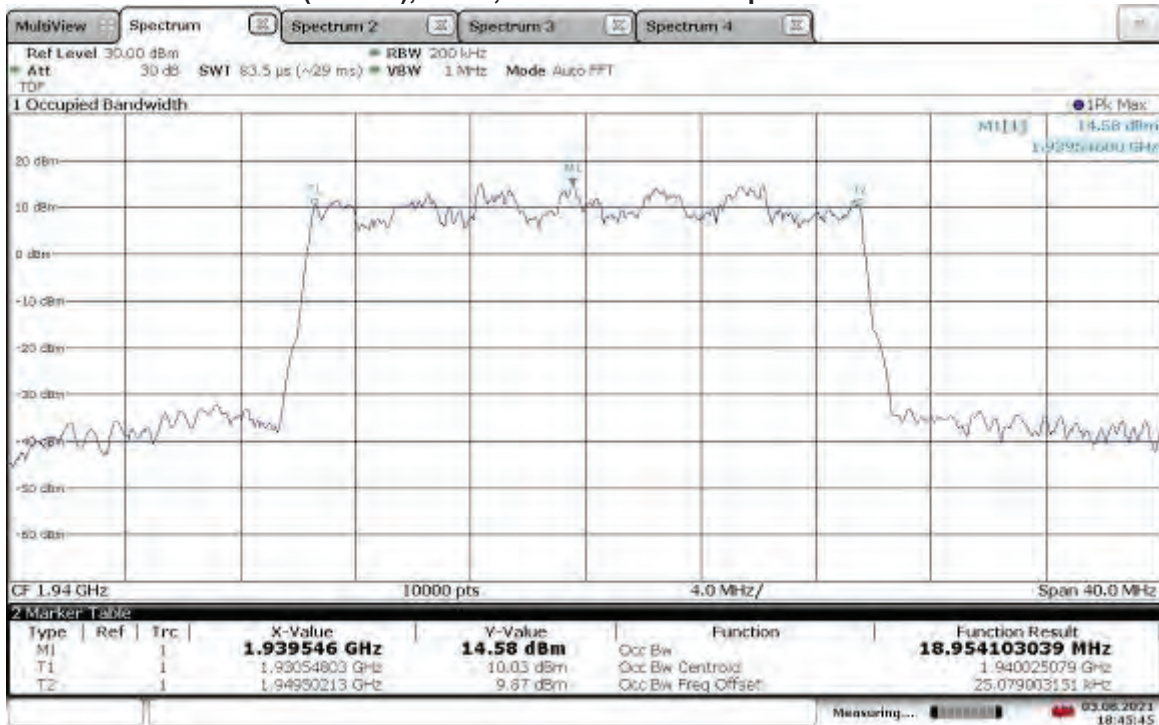


**TM3.2-16QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT1, High Channel Occupied Bandwidth**



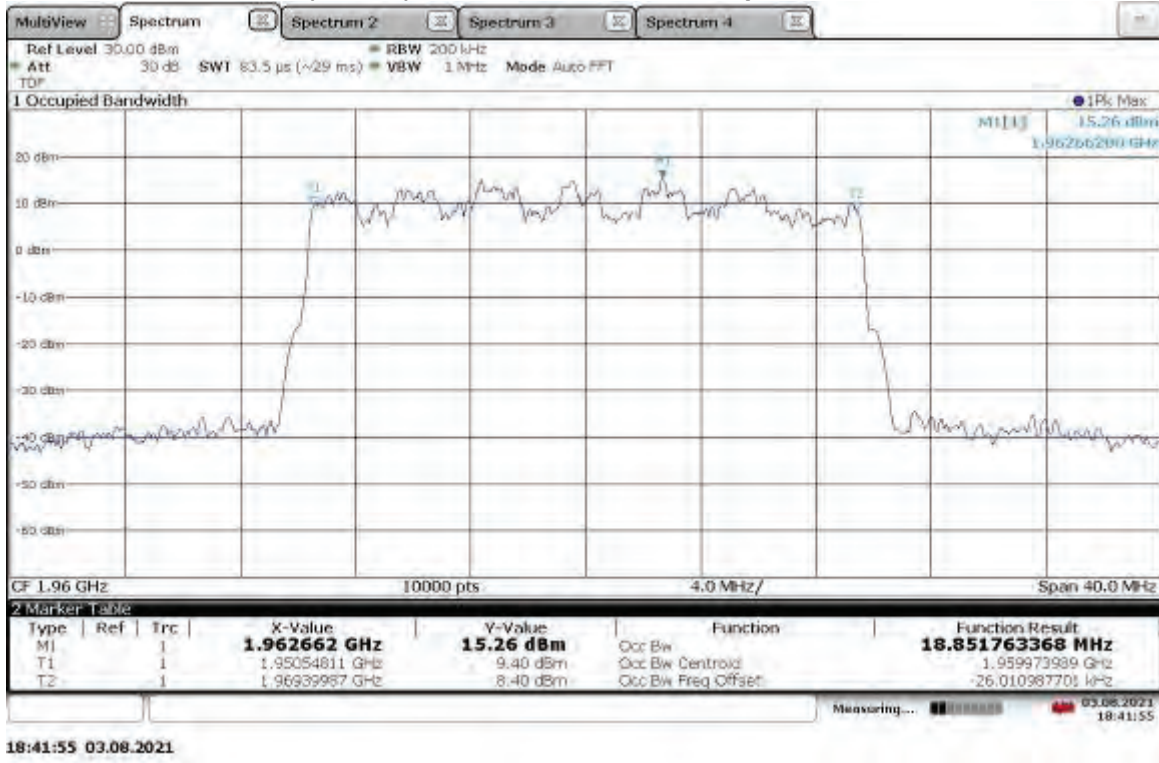
**TM3.2-16QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel Occupied Bandwidth**

18:45:15 03.08.2021

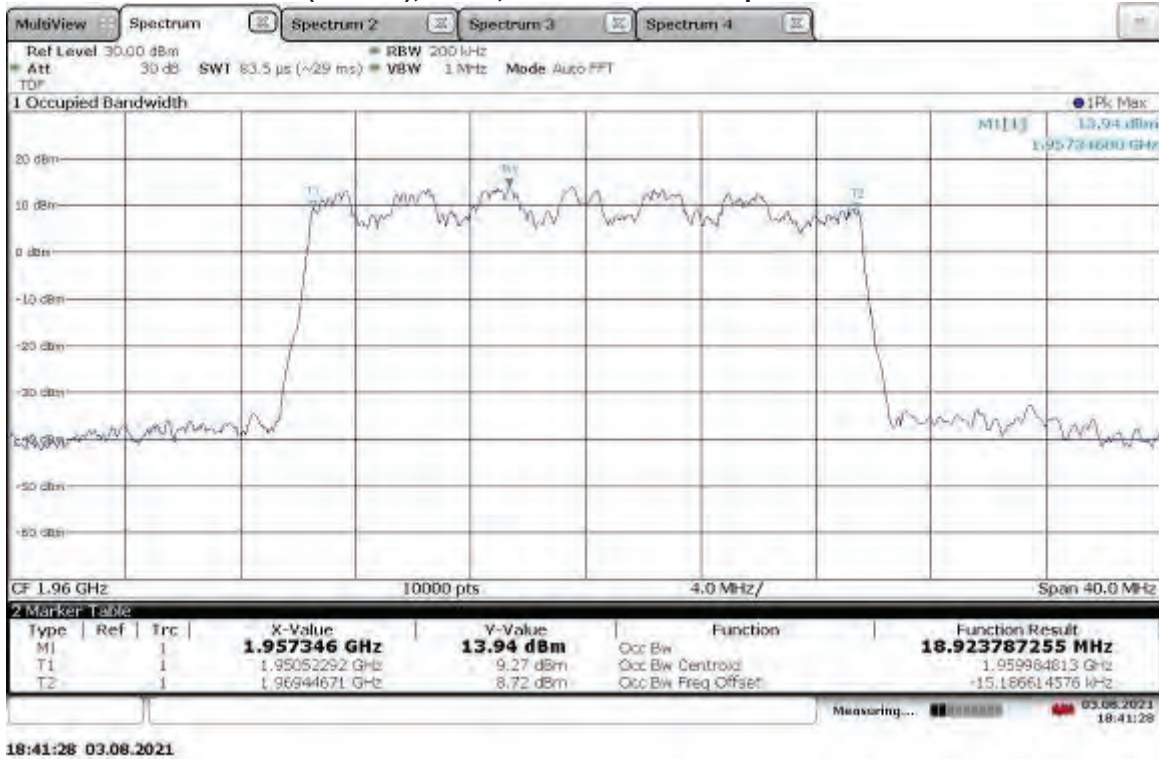
**TM3.2-16QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel Occupied Bandwidth**

18:45:46 03.08.2021

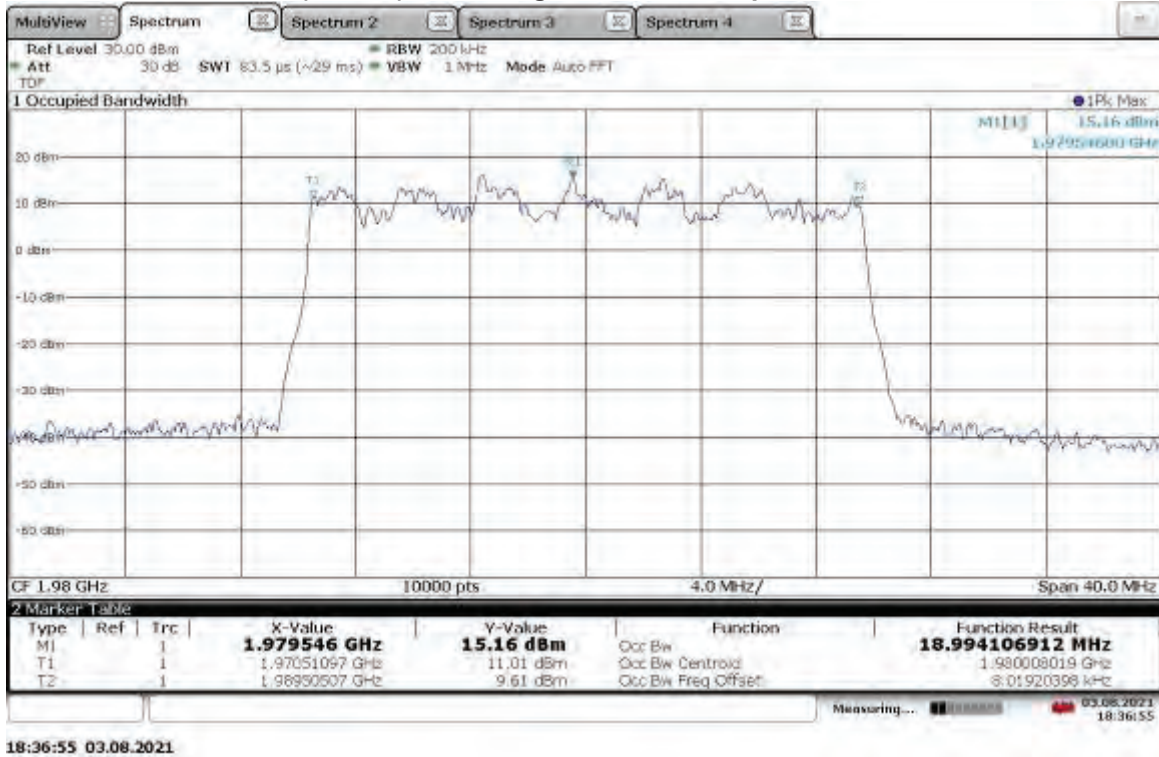
TM3.2-16QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel Occupied Bandwidth



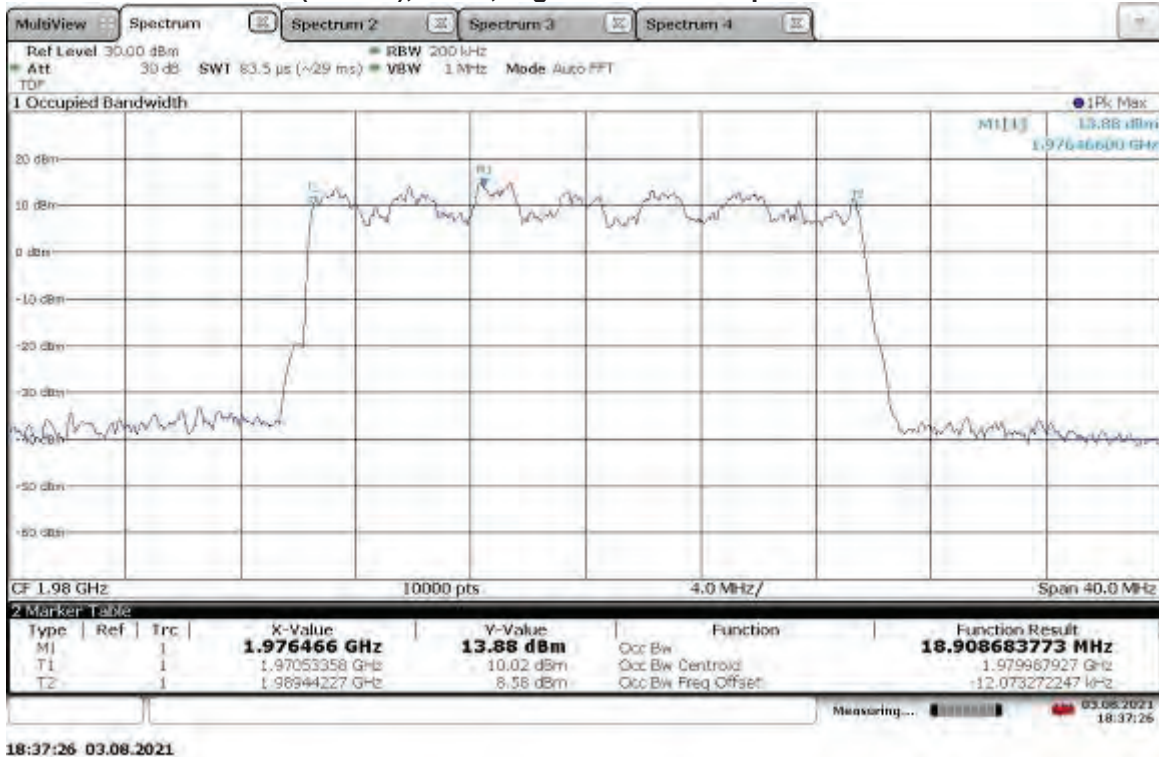
TM3.2-16QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT1, Mid Channel Occupied Bandwidth



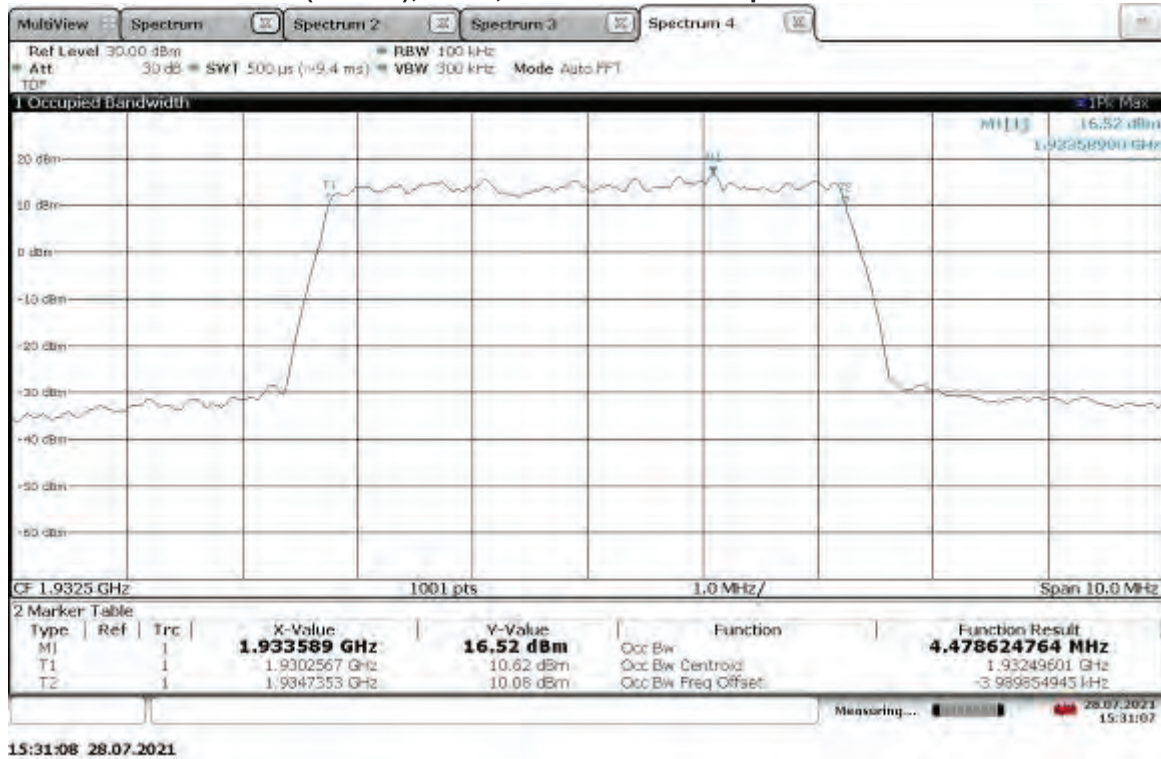
TM3.2-16QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel Occupied Bandwidth



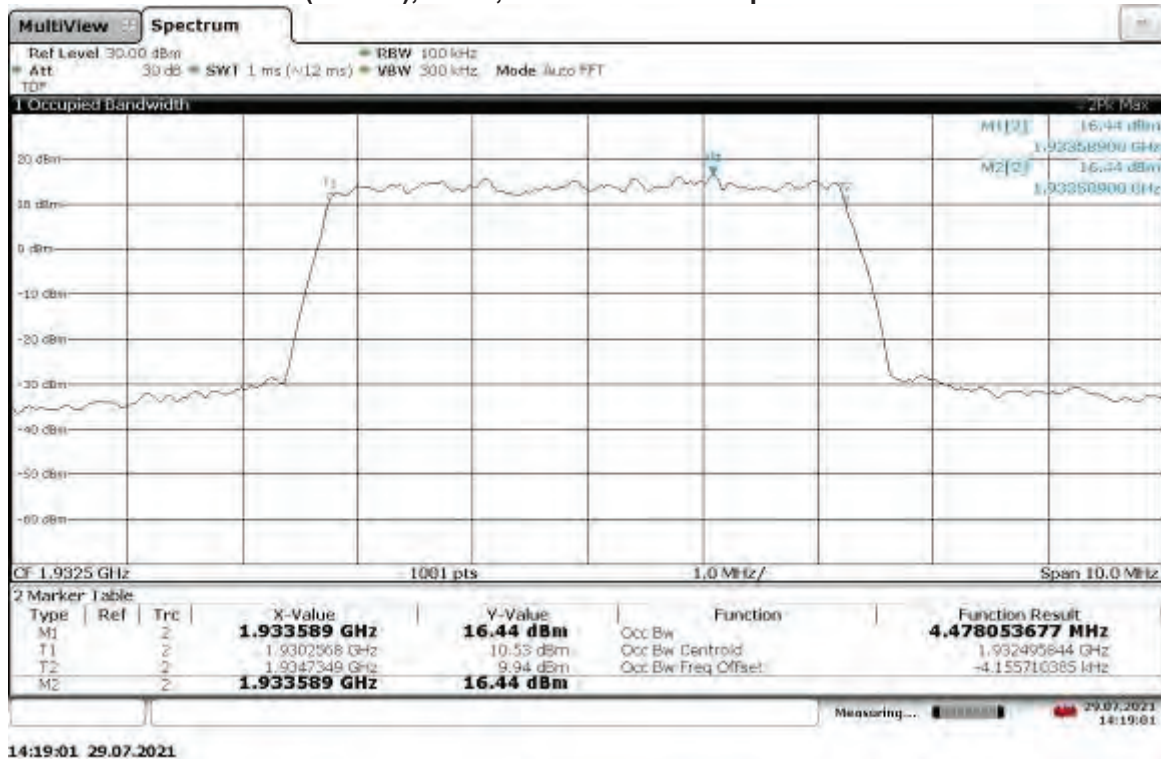
TM3.2-16QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT1, High Channel Occupied Bandwidth



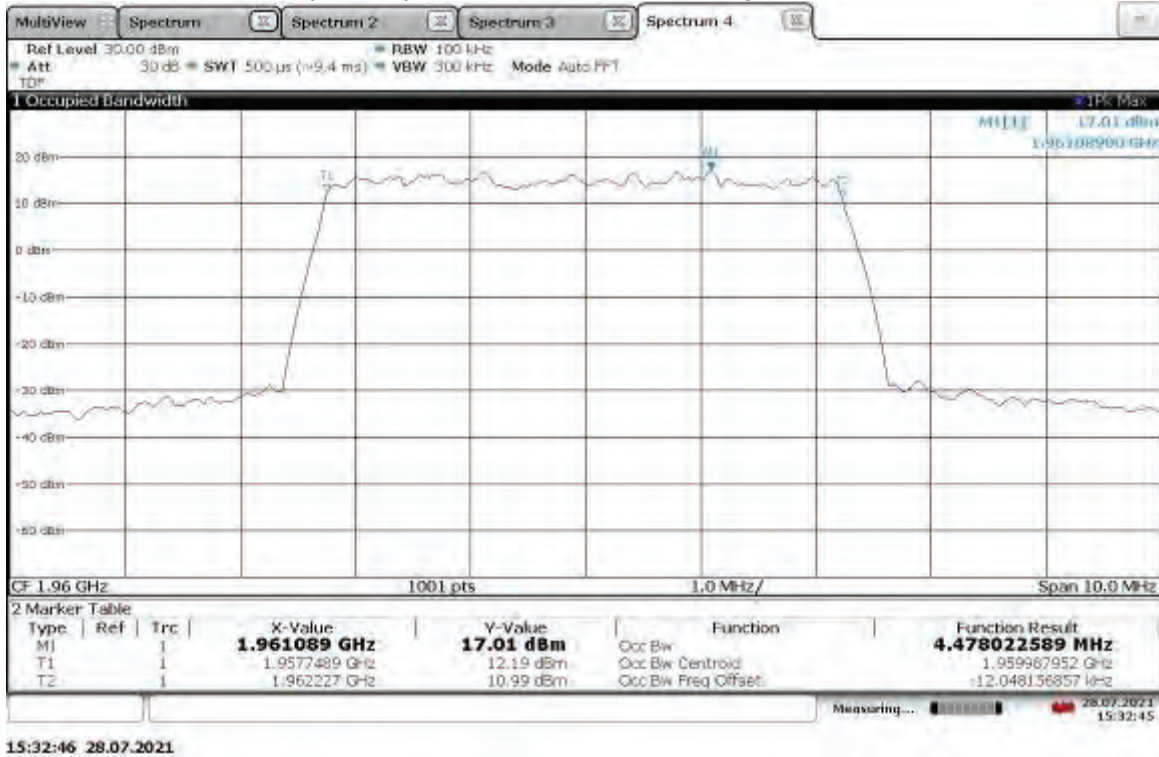
TM3.1-64QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel Occupied Bandwidth



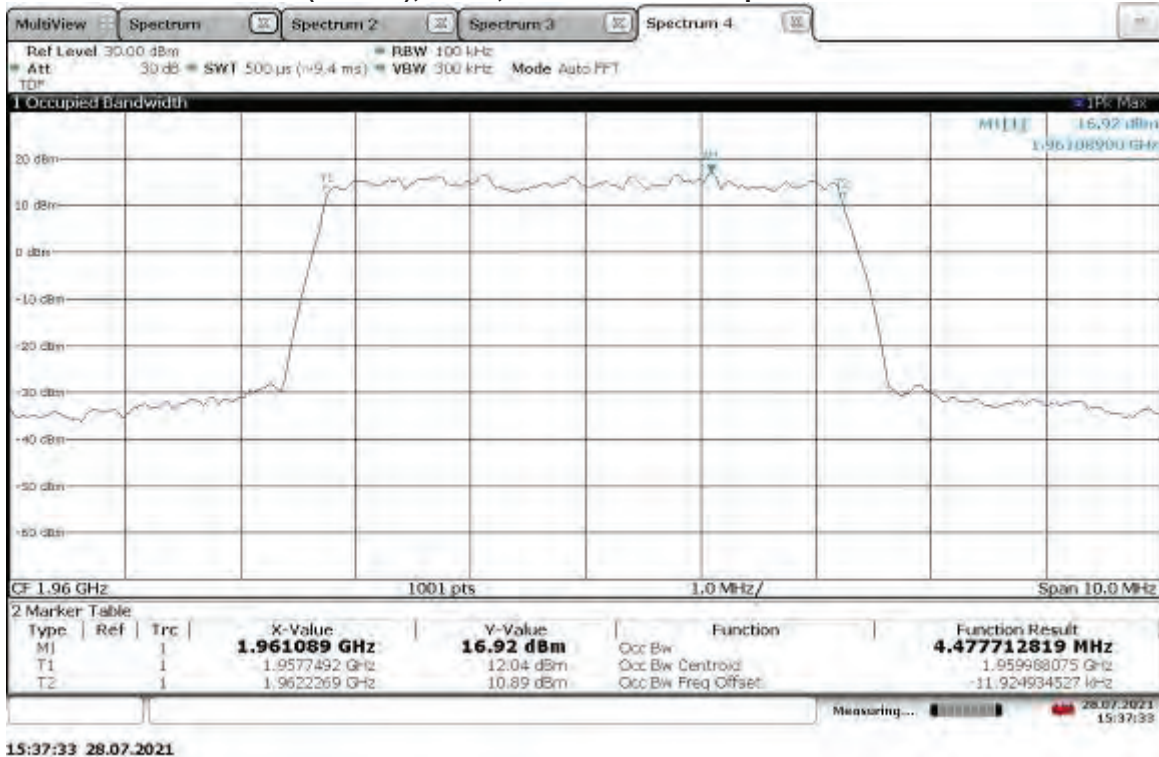
TM3.1-64QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel Occupied Bandwidth



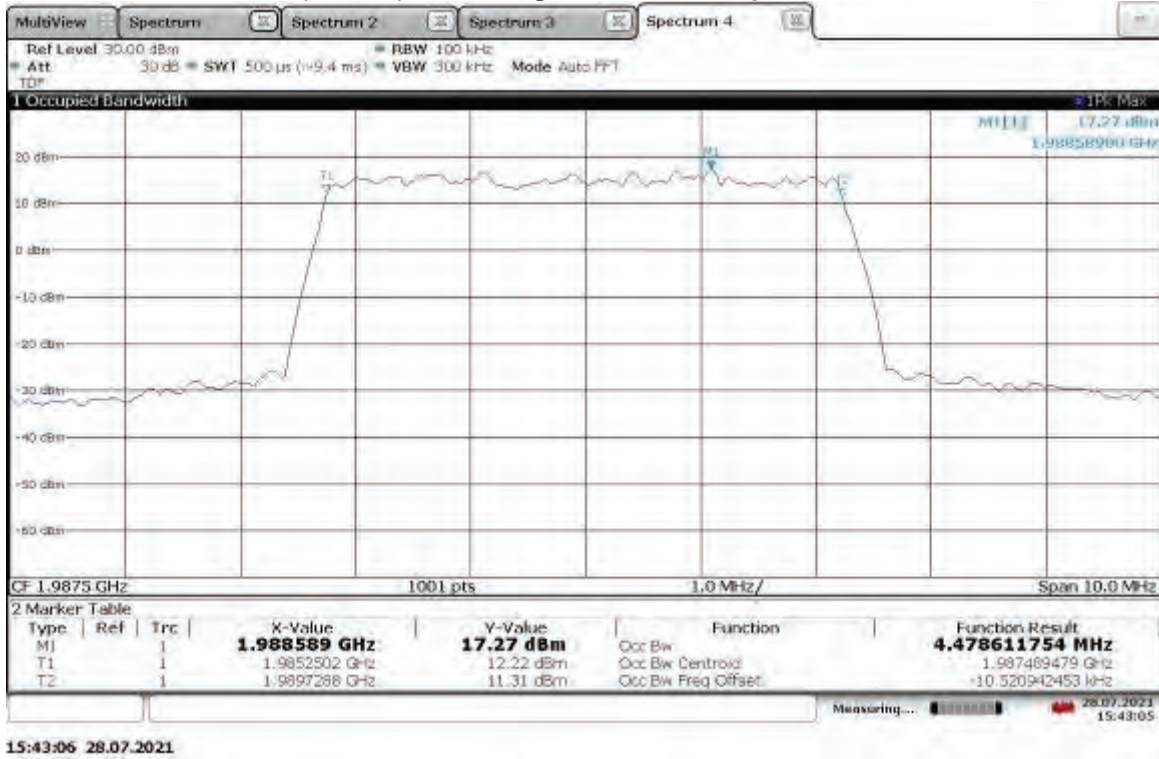
TM3.1-64QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel Occupied Bandwidth



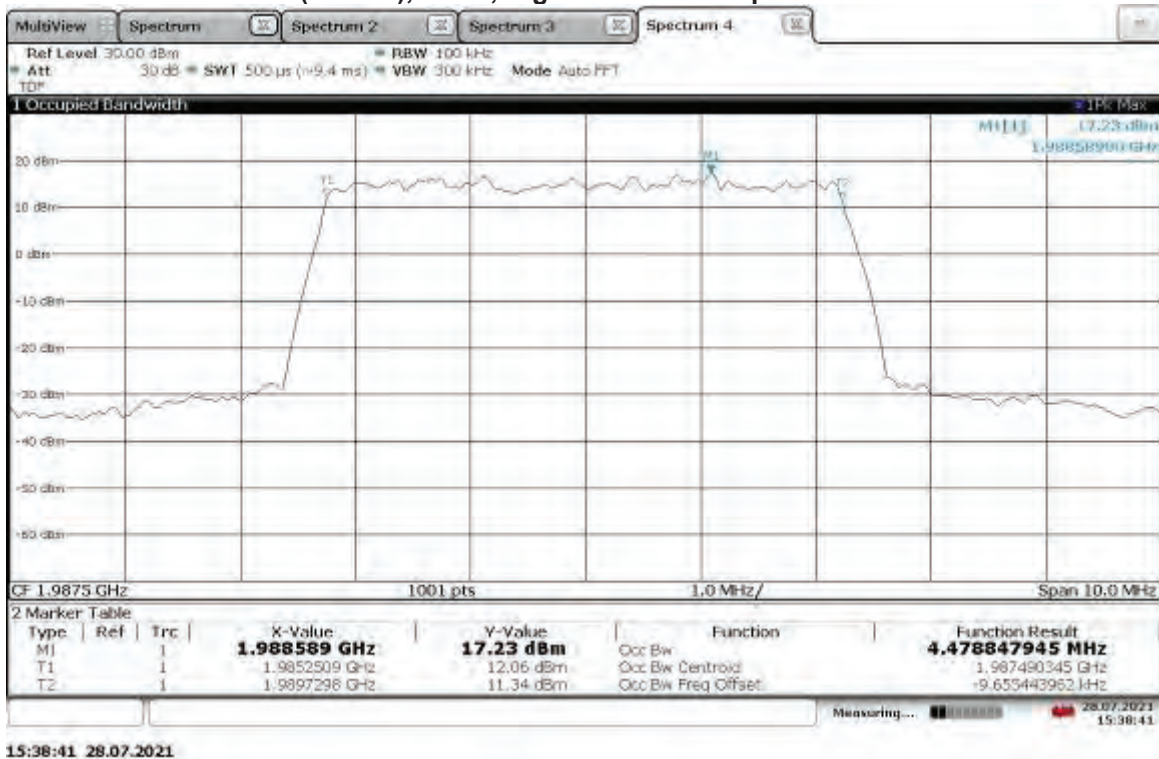
TM3.1-64QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT1, Mid Channel Occupied Bandwidth



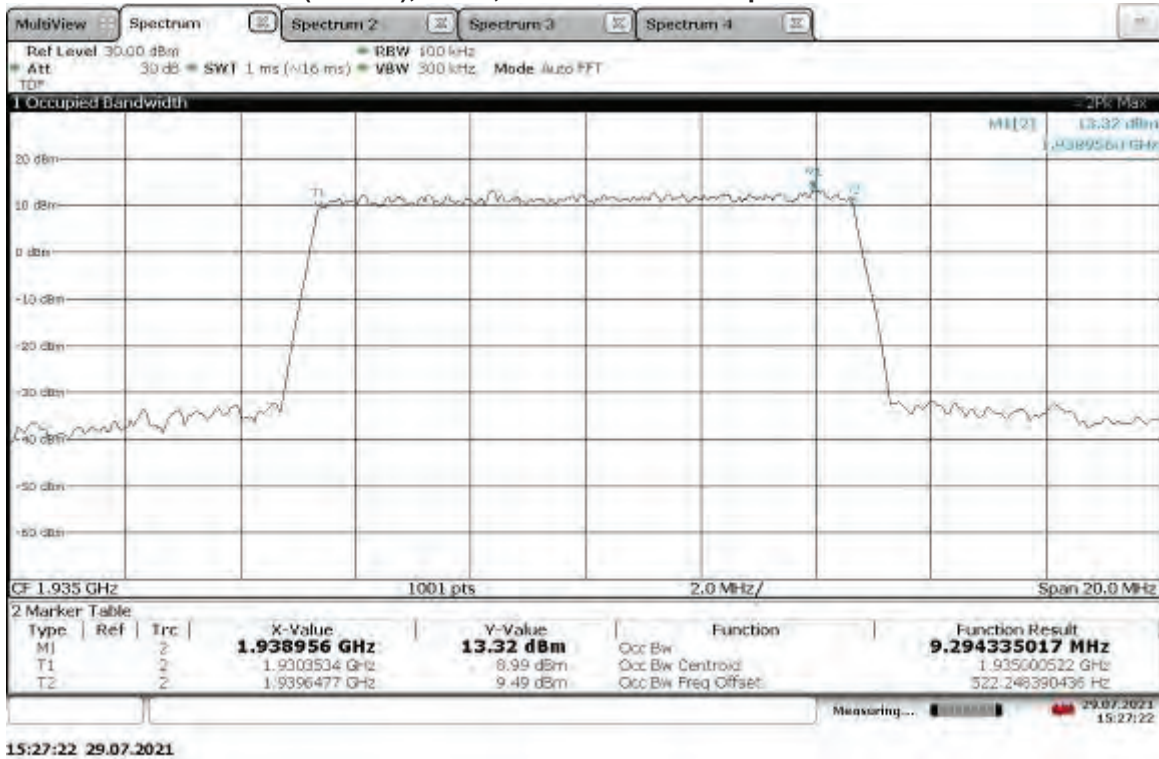
TM3.1-64QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel Occupied Bandwidth



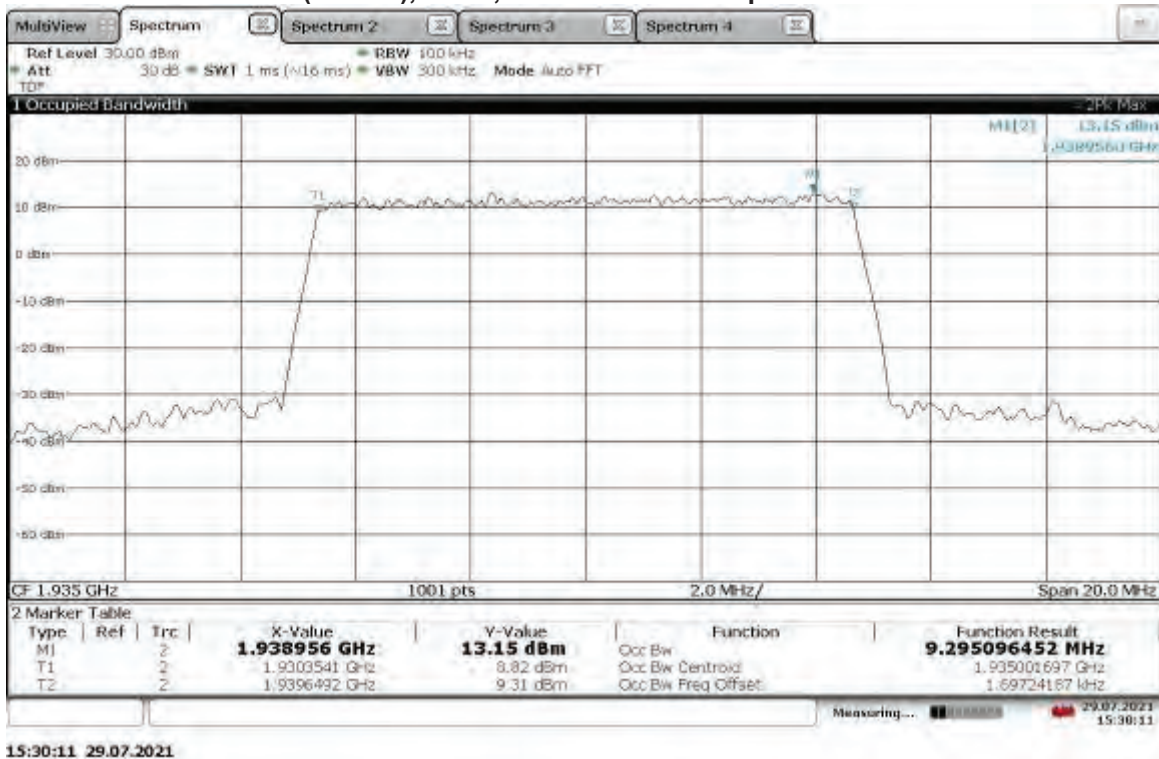
TM3.1-64QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT1, High Channel Occupied Bandwidth



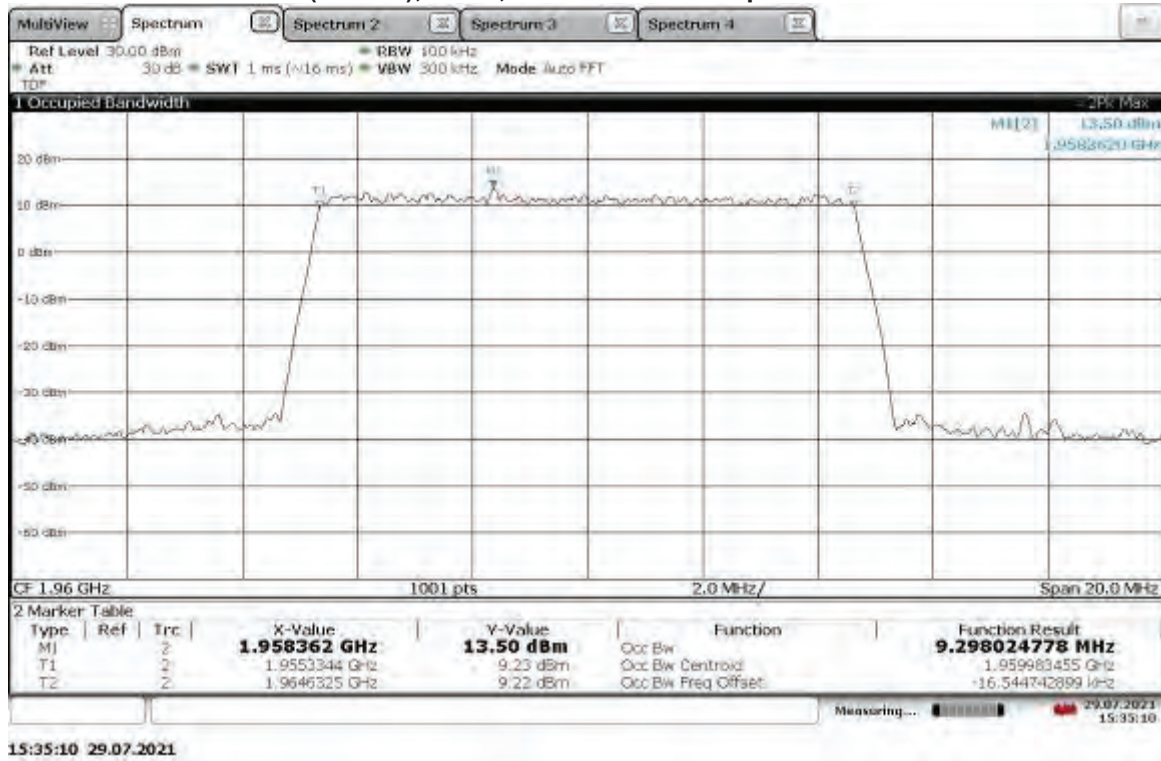
TM3.1-64QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel Occupied Bandwidth



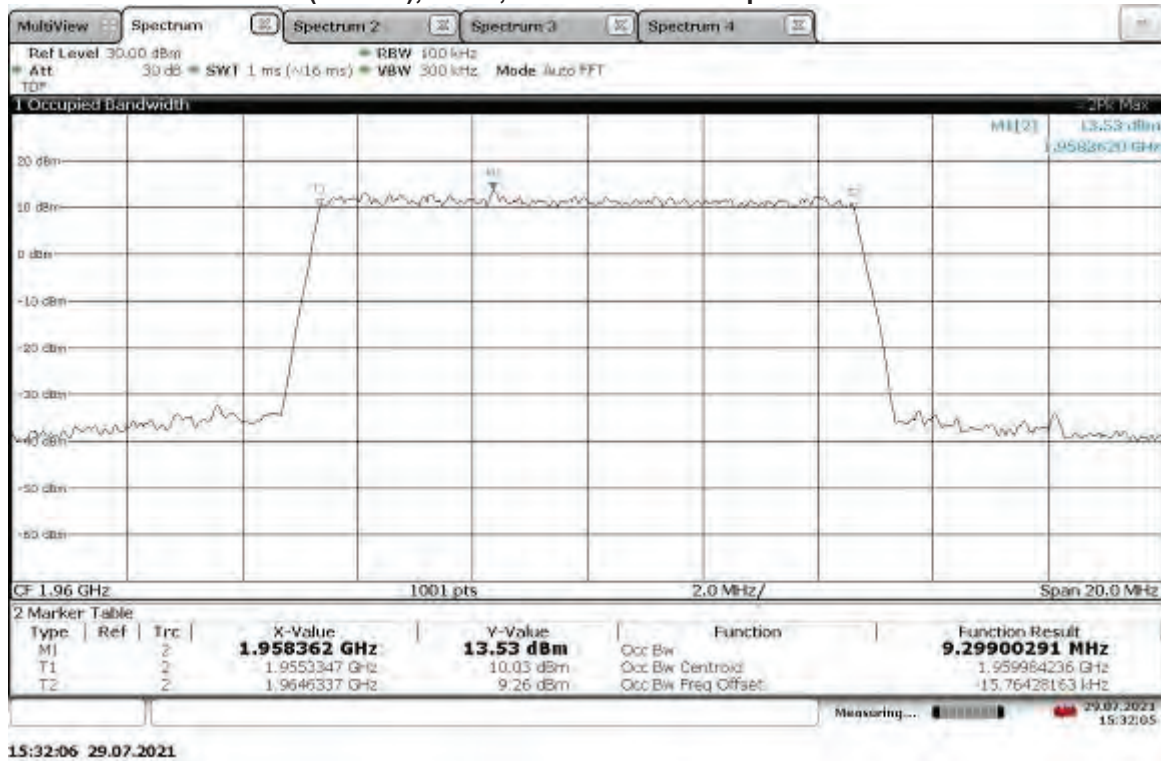
TM3.1-64QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel Occupied Bandwidth



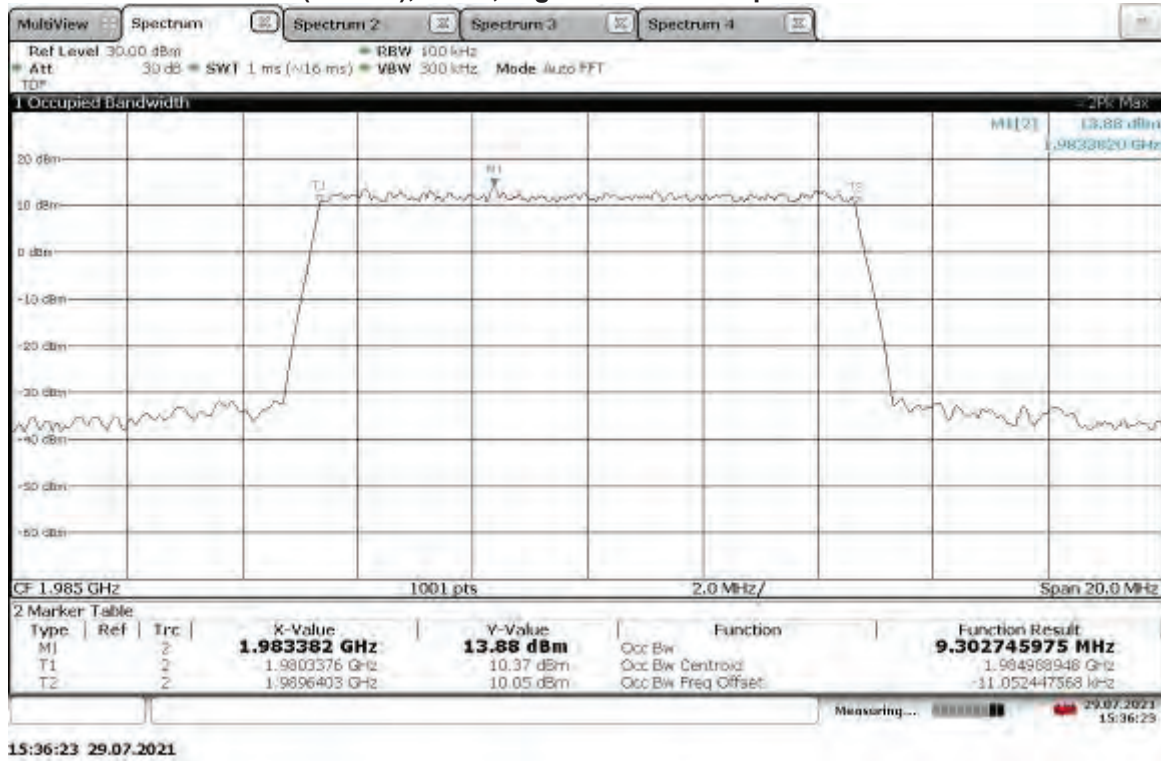
TM3.1-64QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel Occupied Bandwidth



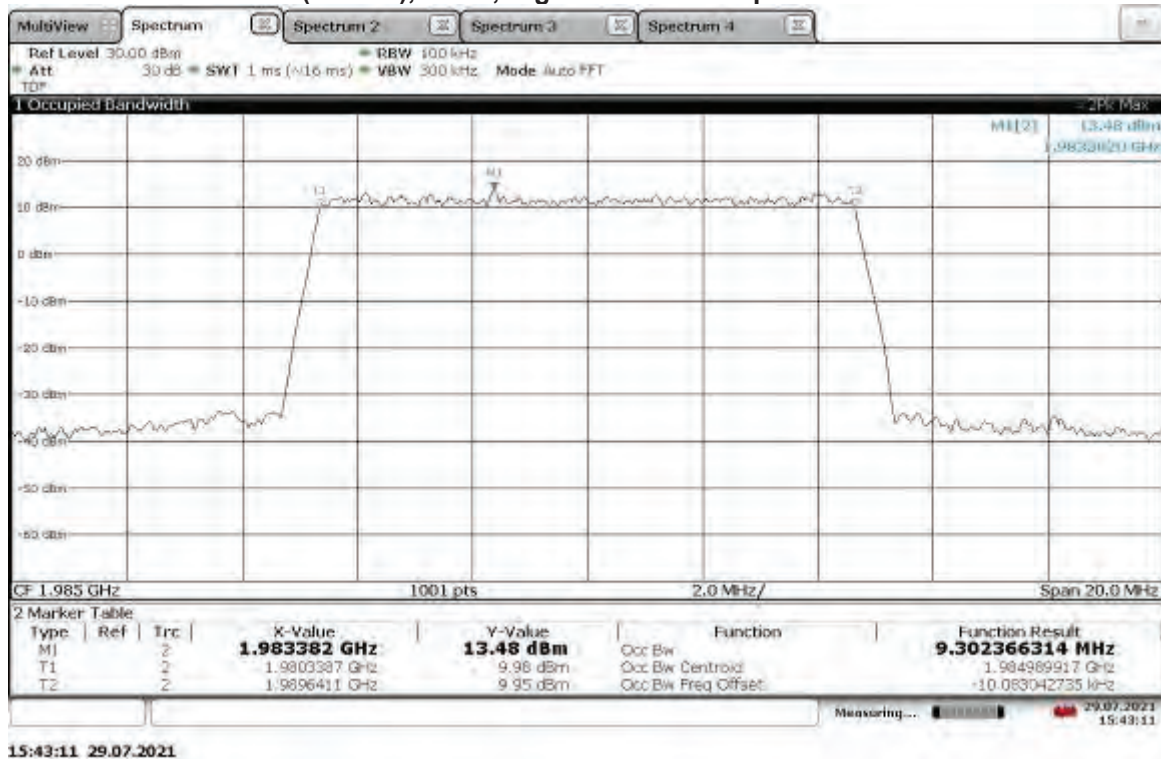
TM3.1-64QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT1, Mid Channel Occupied Bandwidth



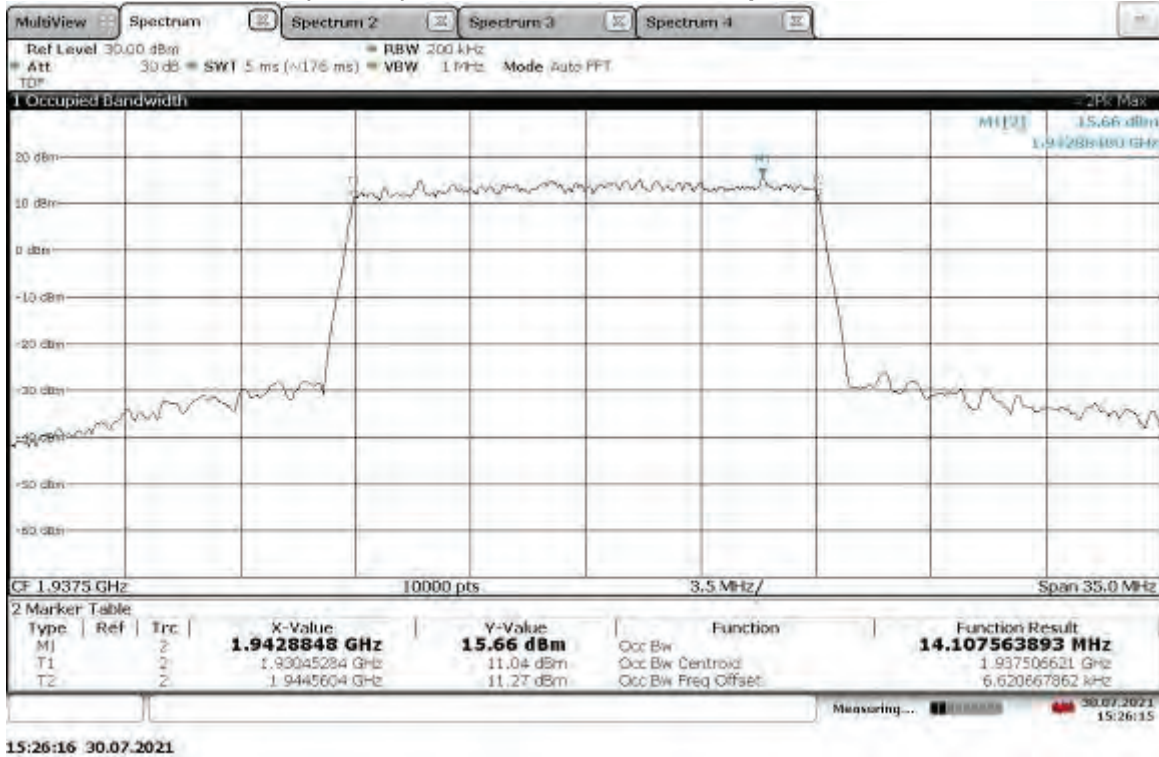
TM3.1-64QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel Occupied Bandwidth



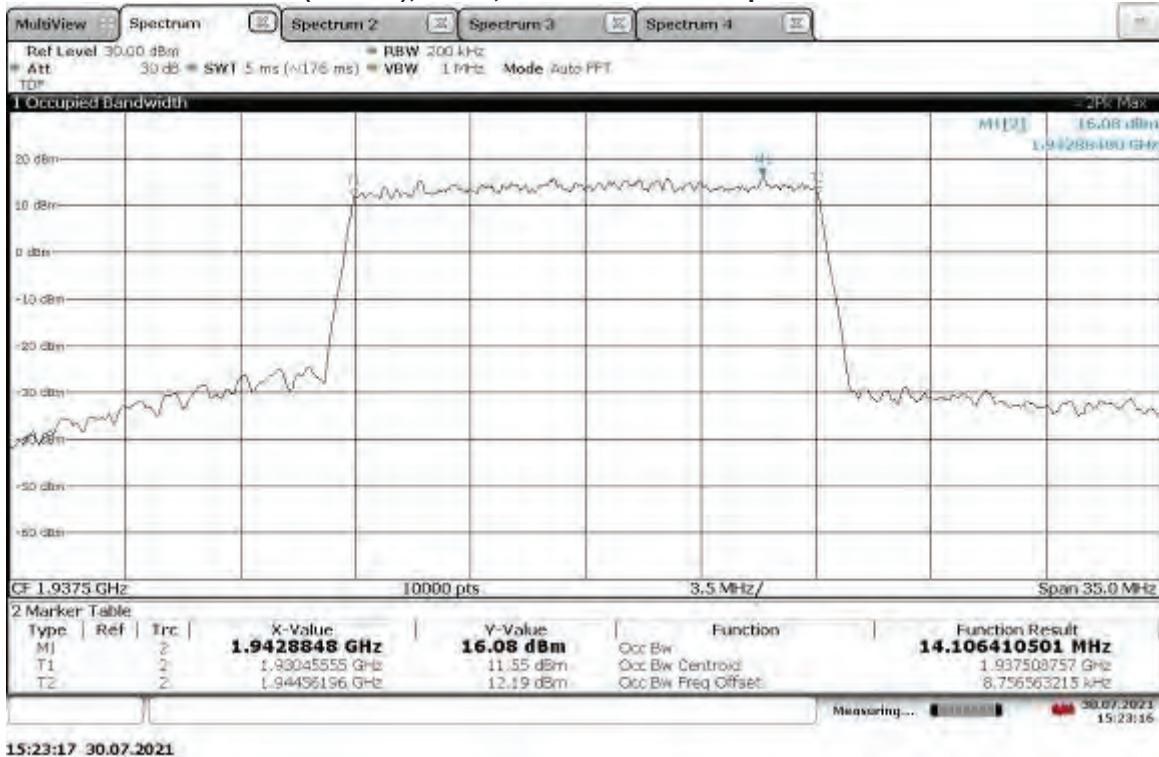
TM3.1-64QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT1, High Channel Occupied Bandwidth

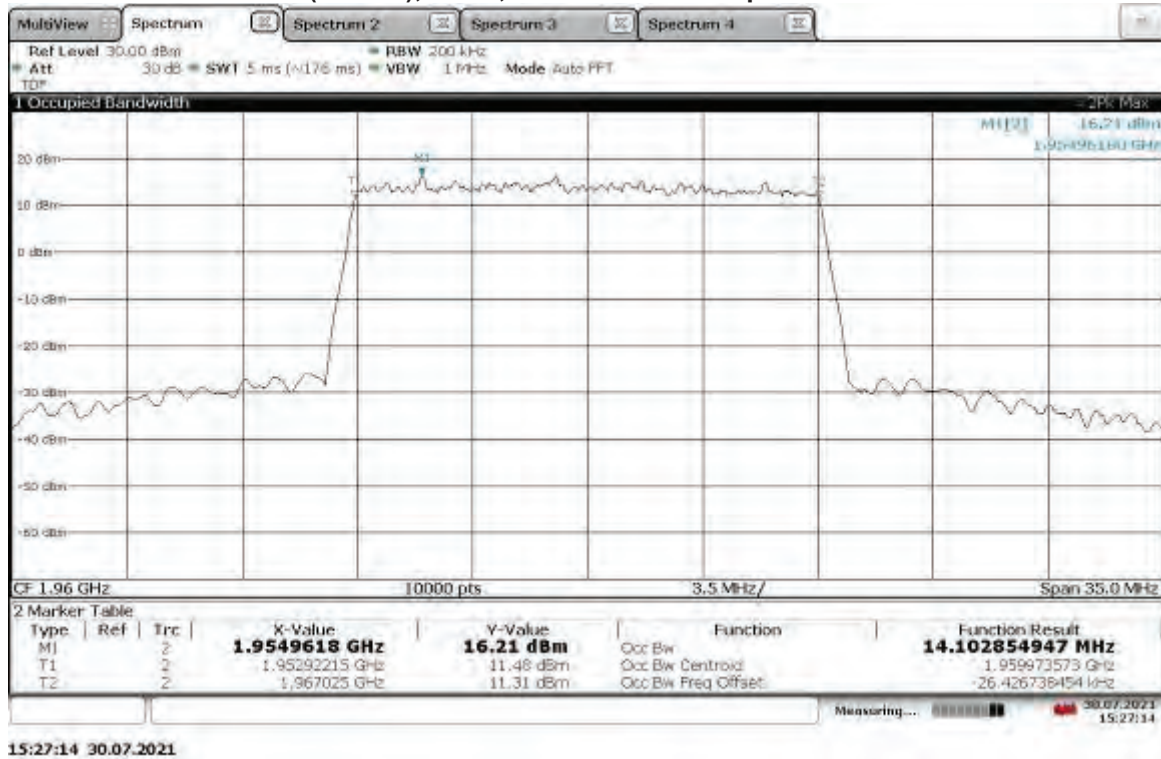
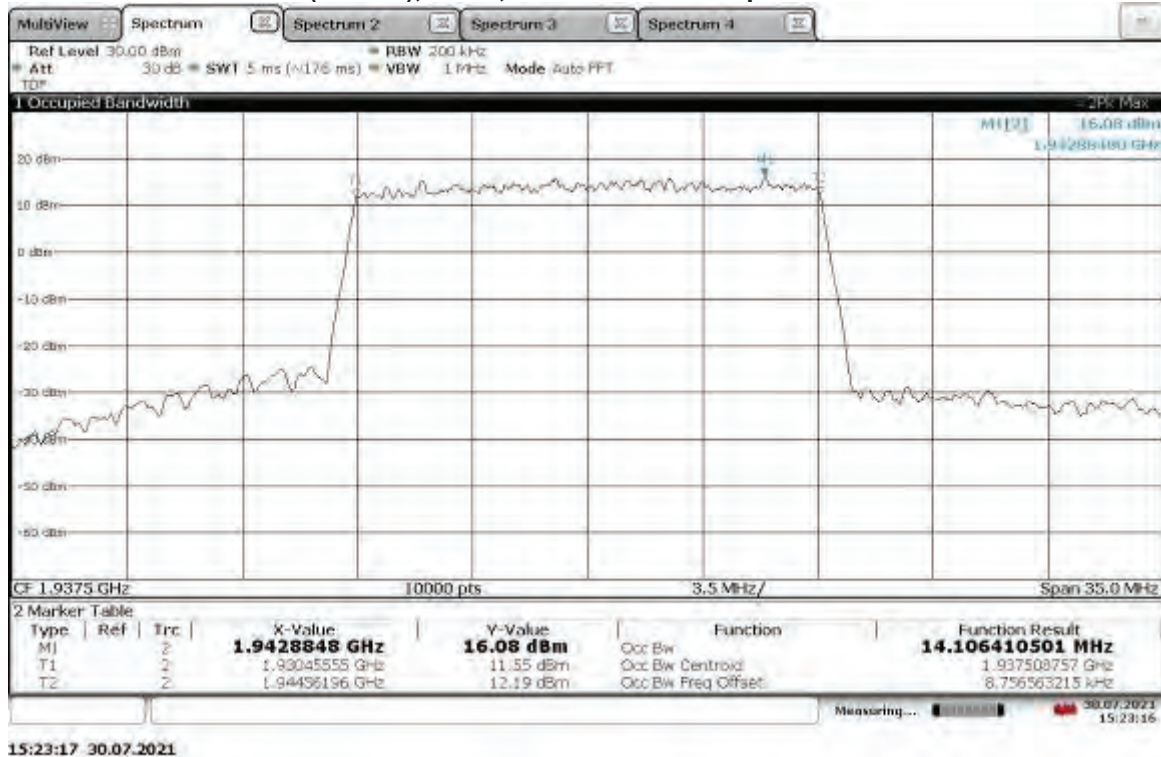


TM3.1-64QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel Occupied Bandwidth

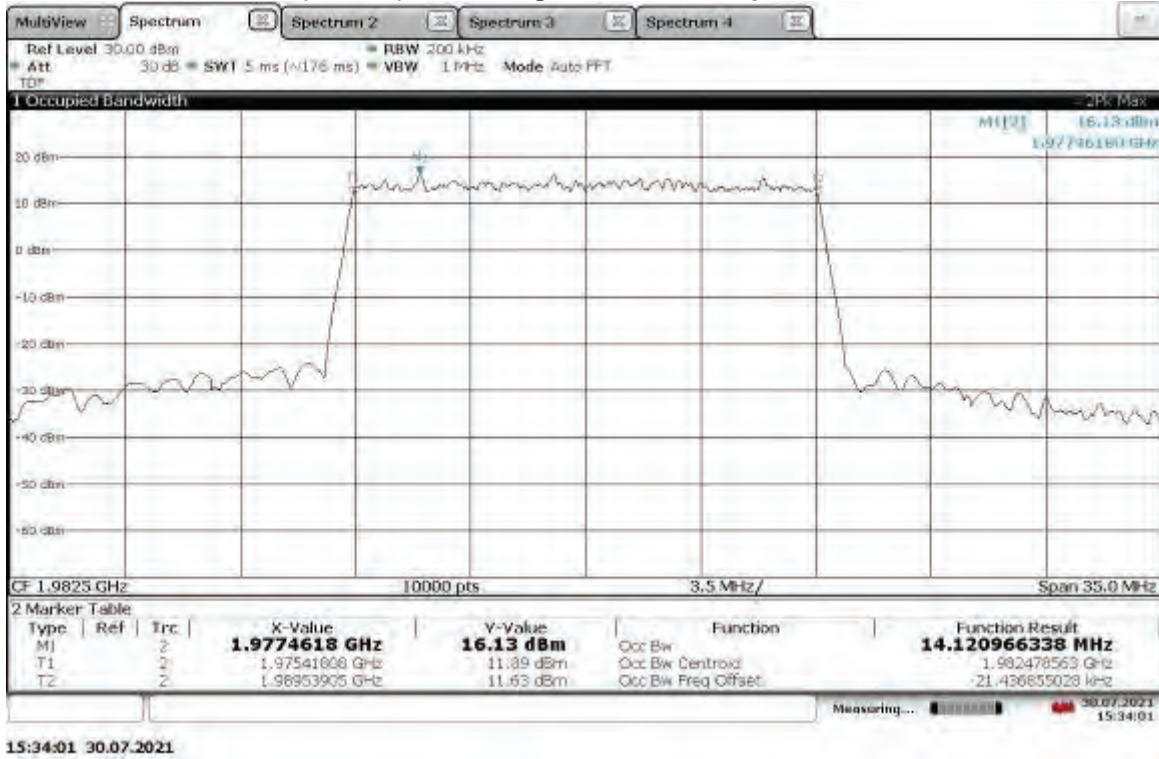


TM3.1-64QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel Occupied Bandwidth

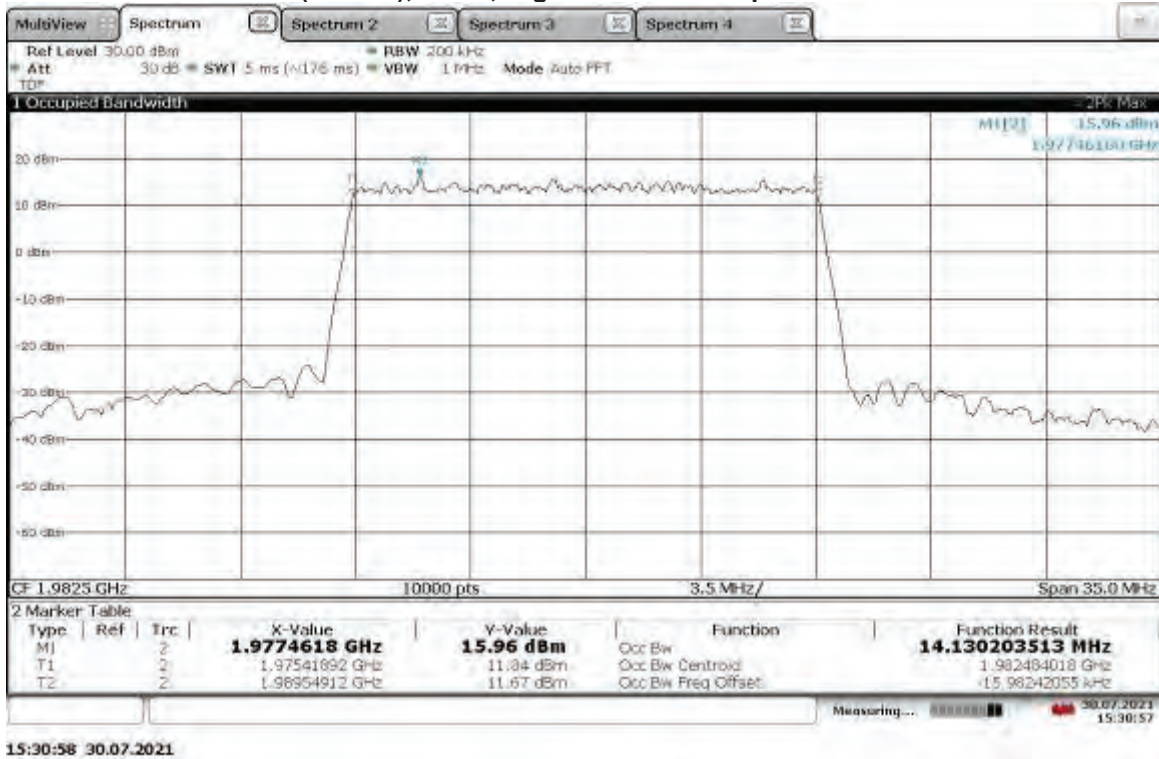


**TM3.1-64QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel Occupied Bandwidth****TM3.1-64QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT1, Mid Channel Occupied Bandwidth**

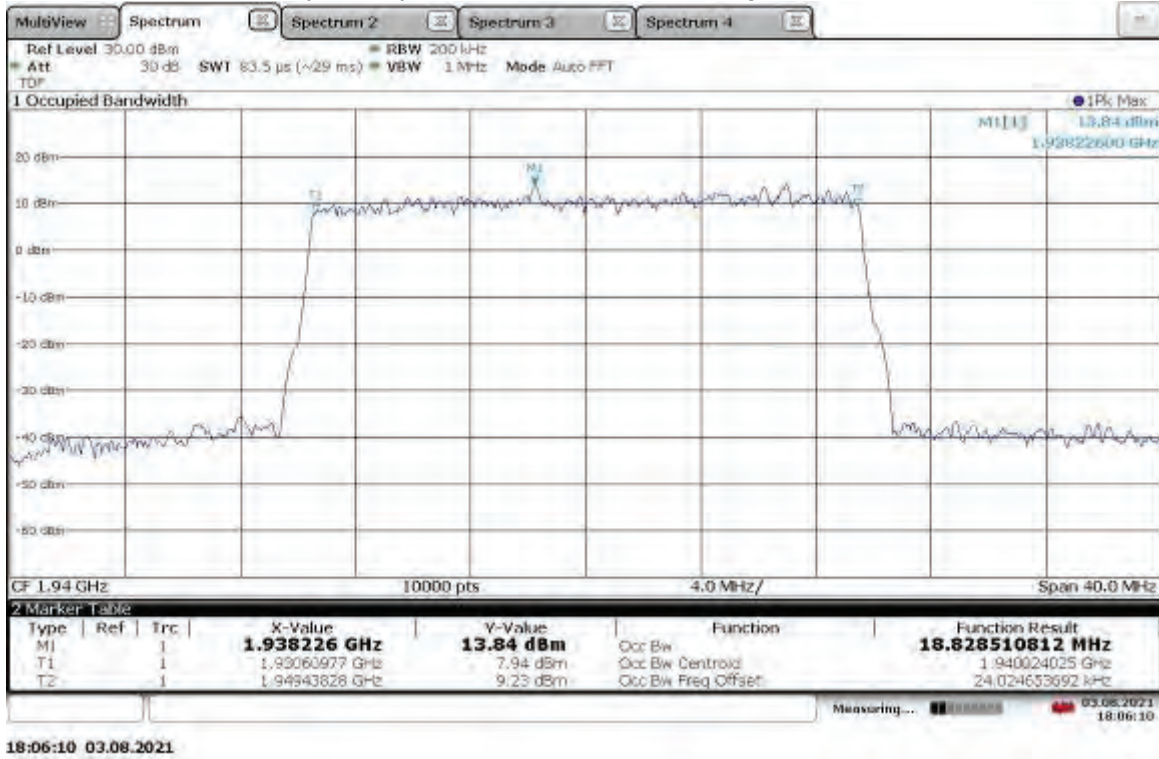
TM3.1-64QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel Occupied Bandwidth



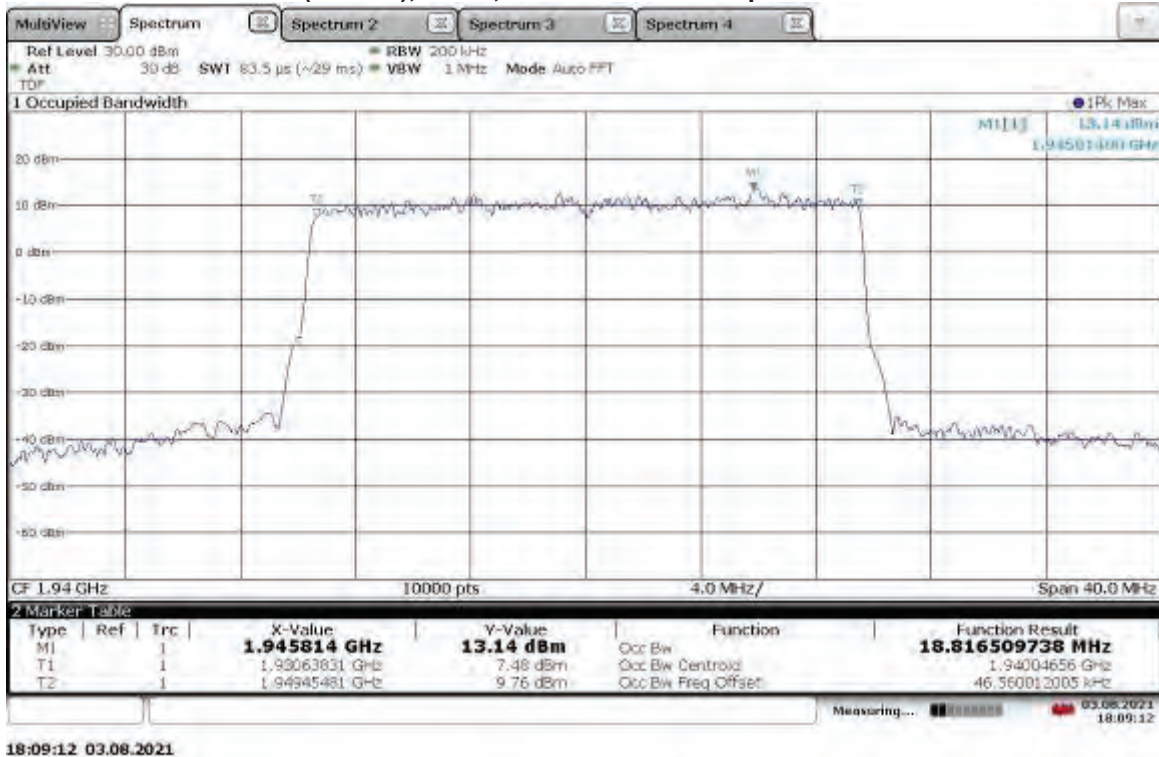
TM3.1-64QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT1, High Channel Occupied Bandwidth



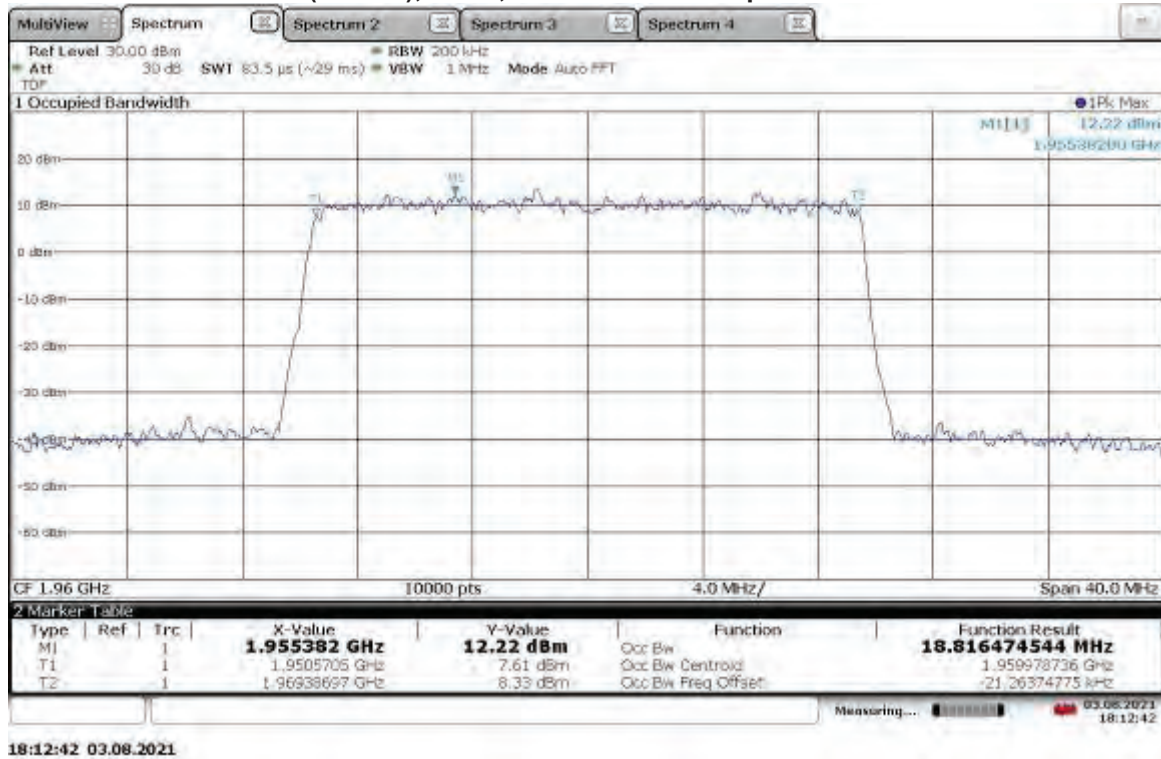
TM3.1-64QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel Occupied Bandwidth



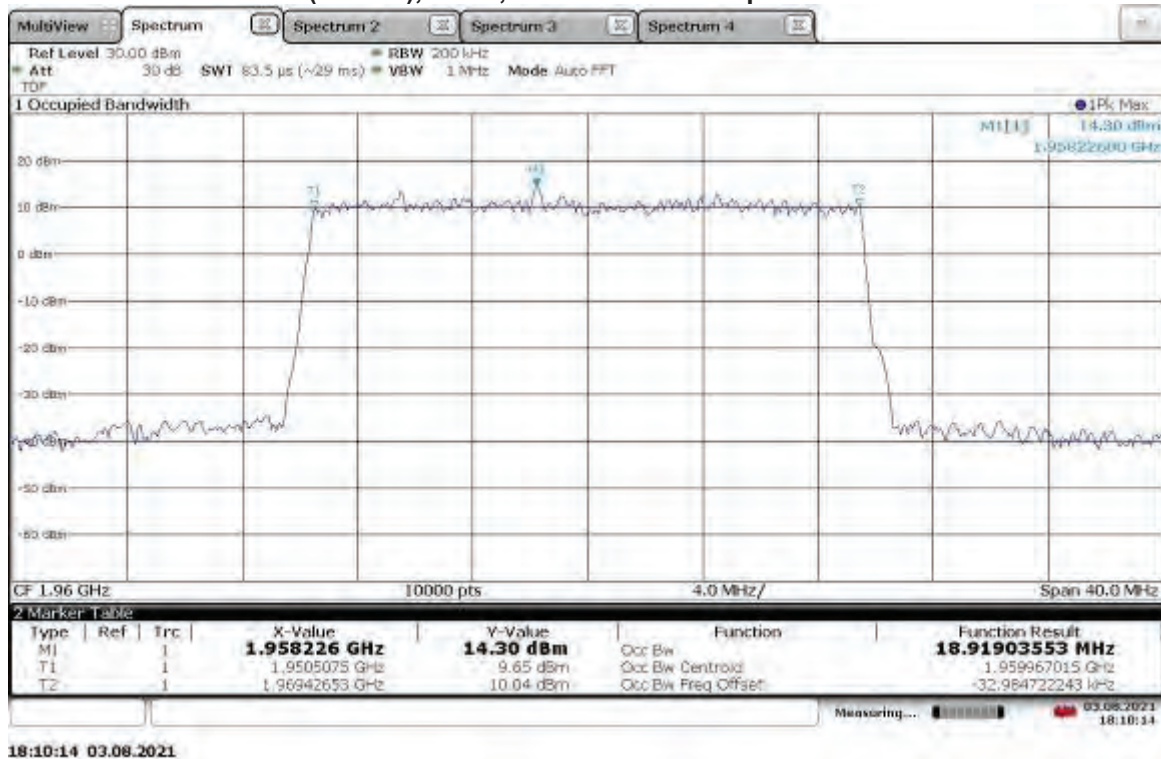
TM3.1-64QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel Occupied Bandwidth



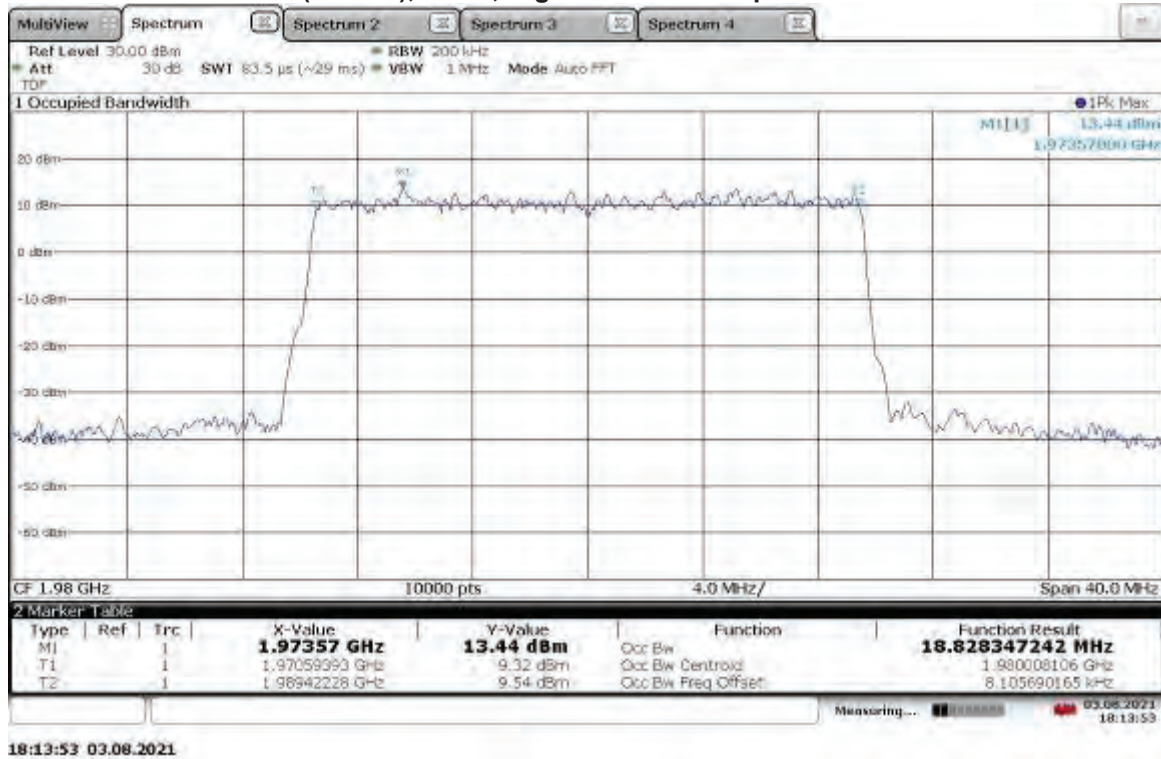
TM3.1-64QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel Occupied Bandwidth



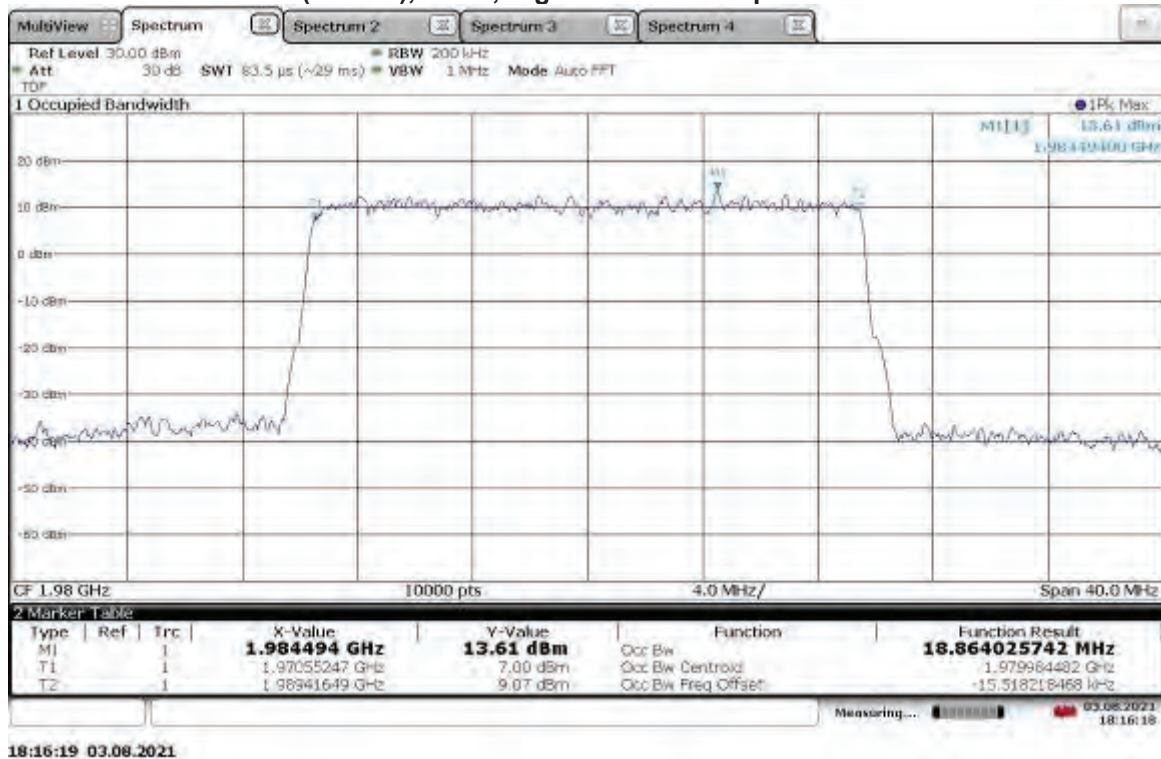
TM3.1-64QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT1, Mid Channel Occupied Bandwidth



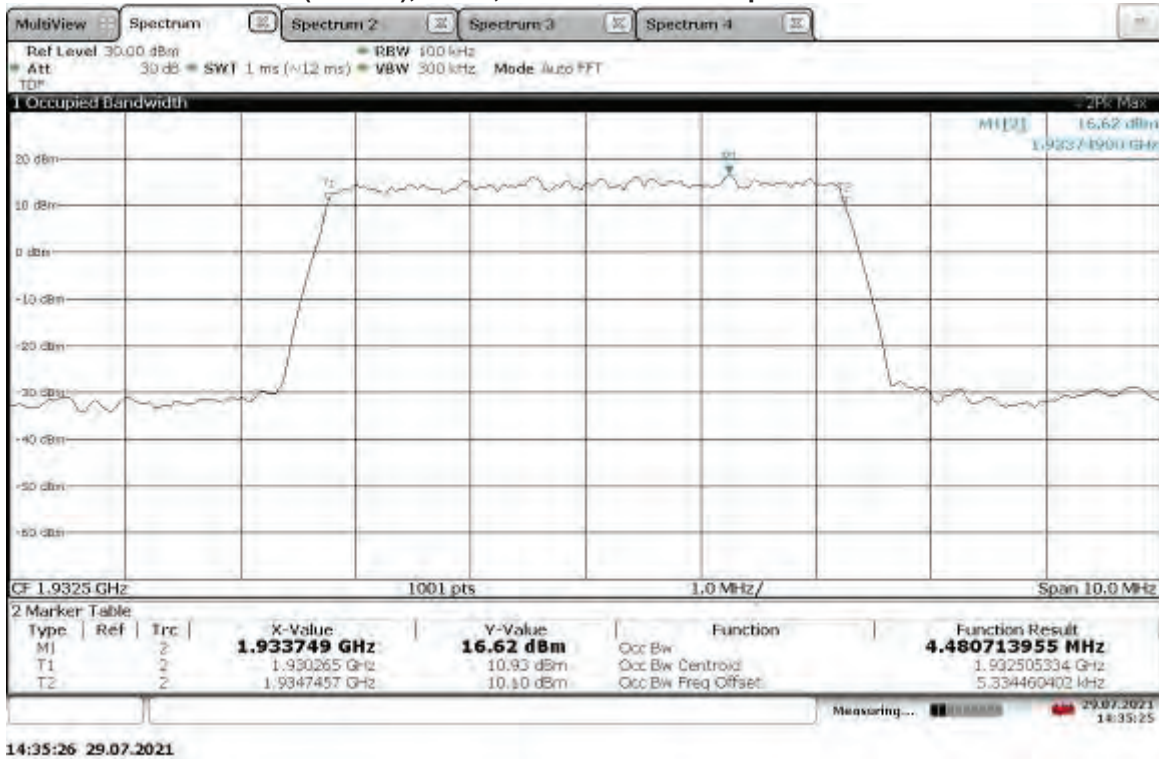
**TM3.1-64QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel Occupied Bandwidth**



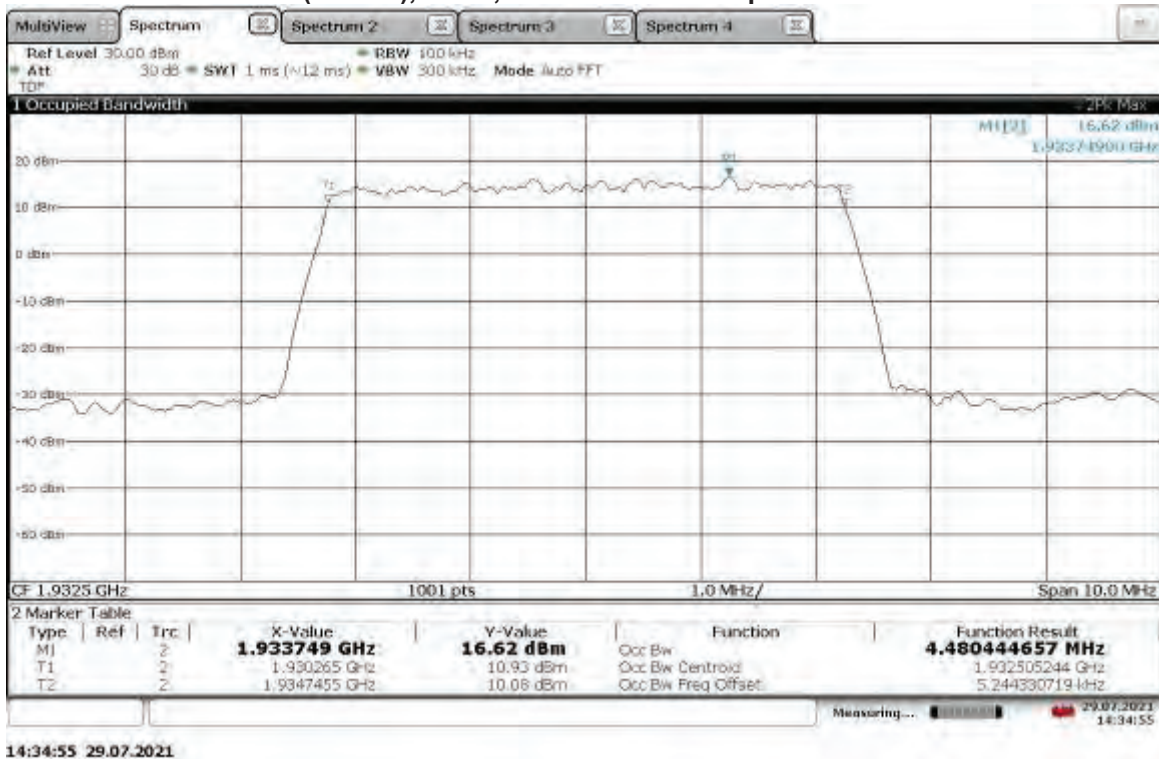
**TM3.1-64QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT1, High Channel Occupied Bandwidth**



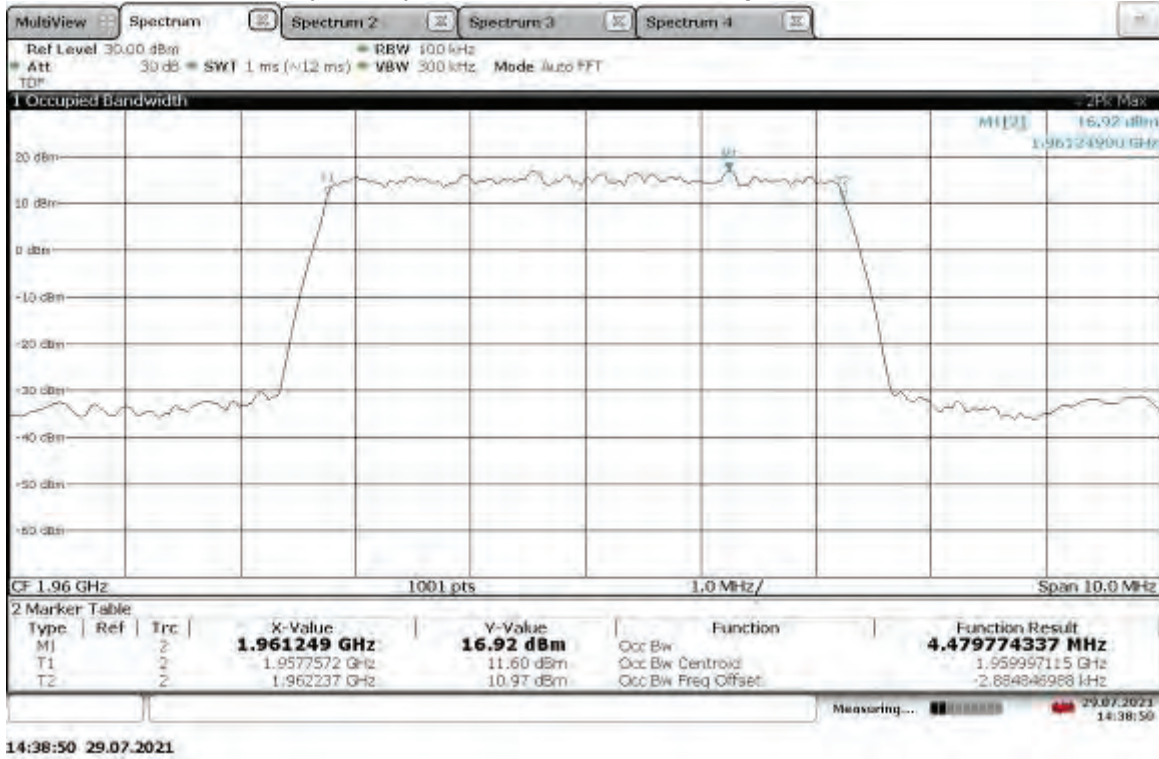
TM3.1a-256QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel Occupied Bandwidth



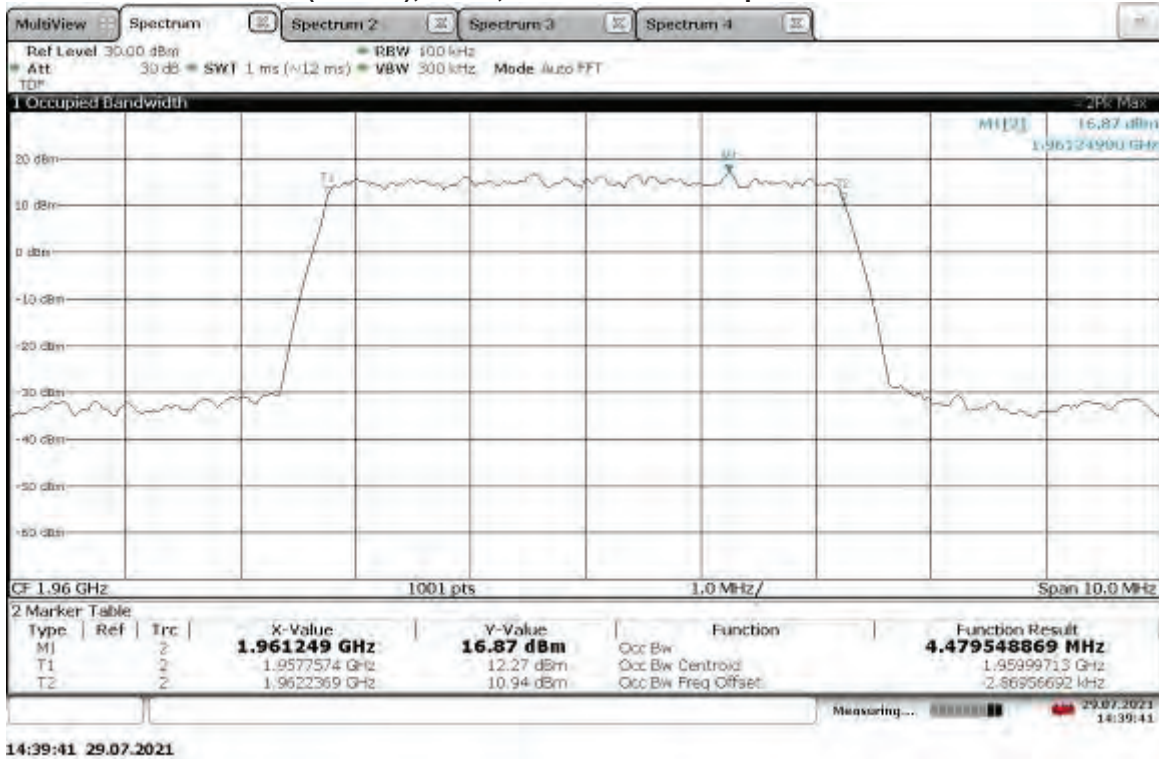
TM3.1a-256QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel Occupied Bandwidth



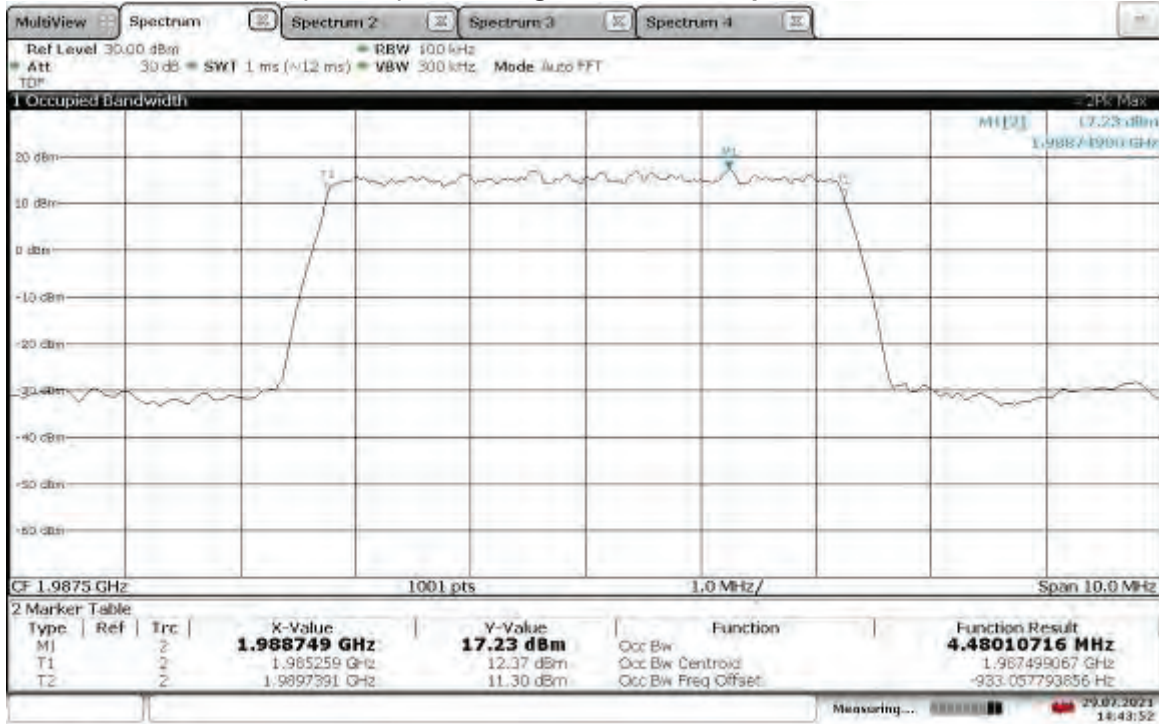
TM3.1a-256QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel Occupied Bandwidth



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

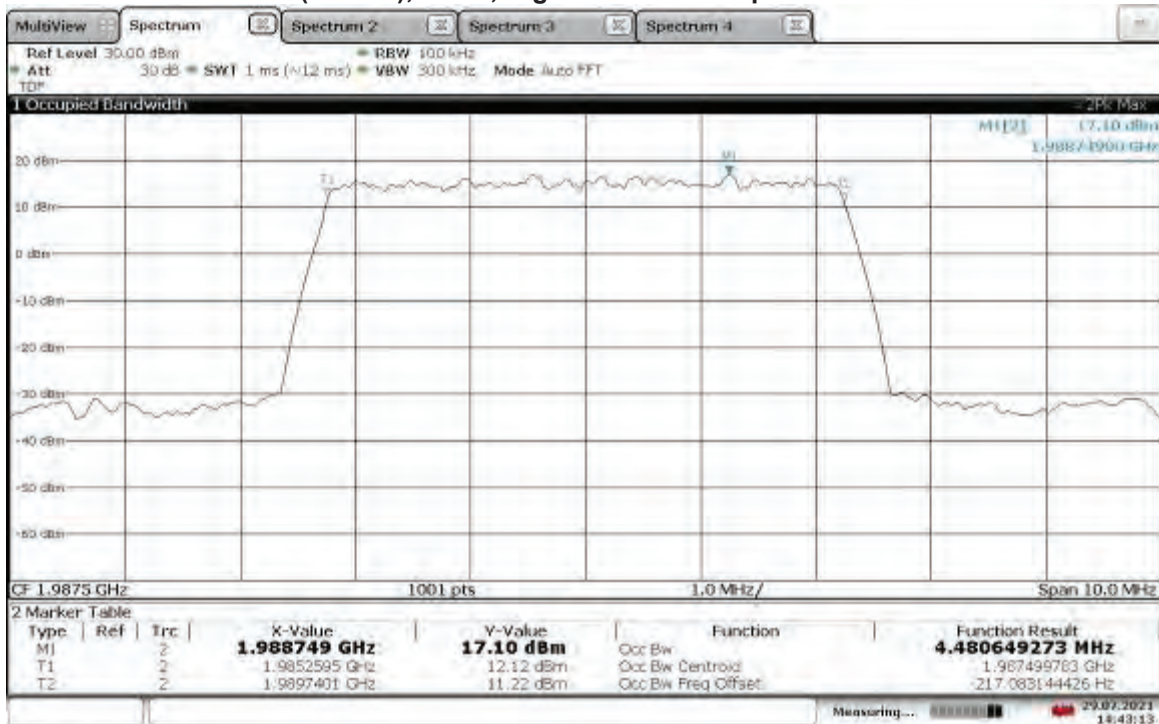


TM3.1a-256QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel Occupied Bandwidth



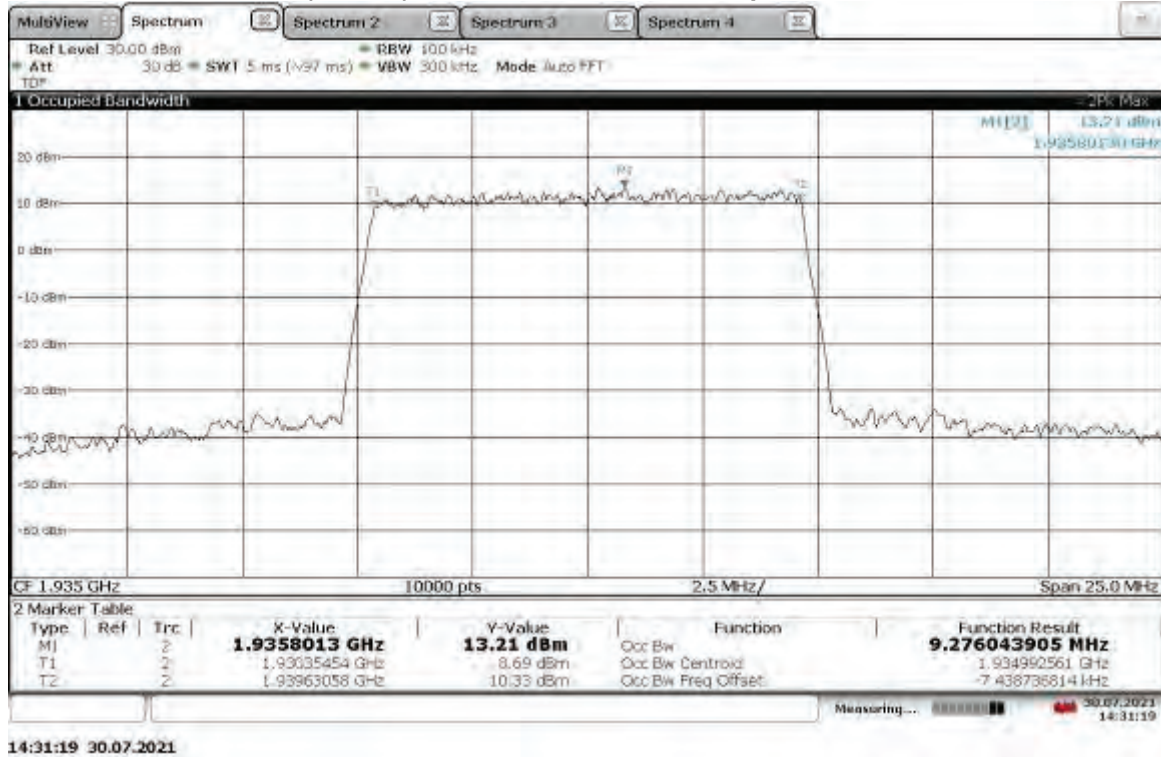
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TM3.1a-256QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT1, High Channel Occupied Bandwidth

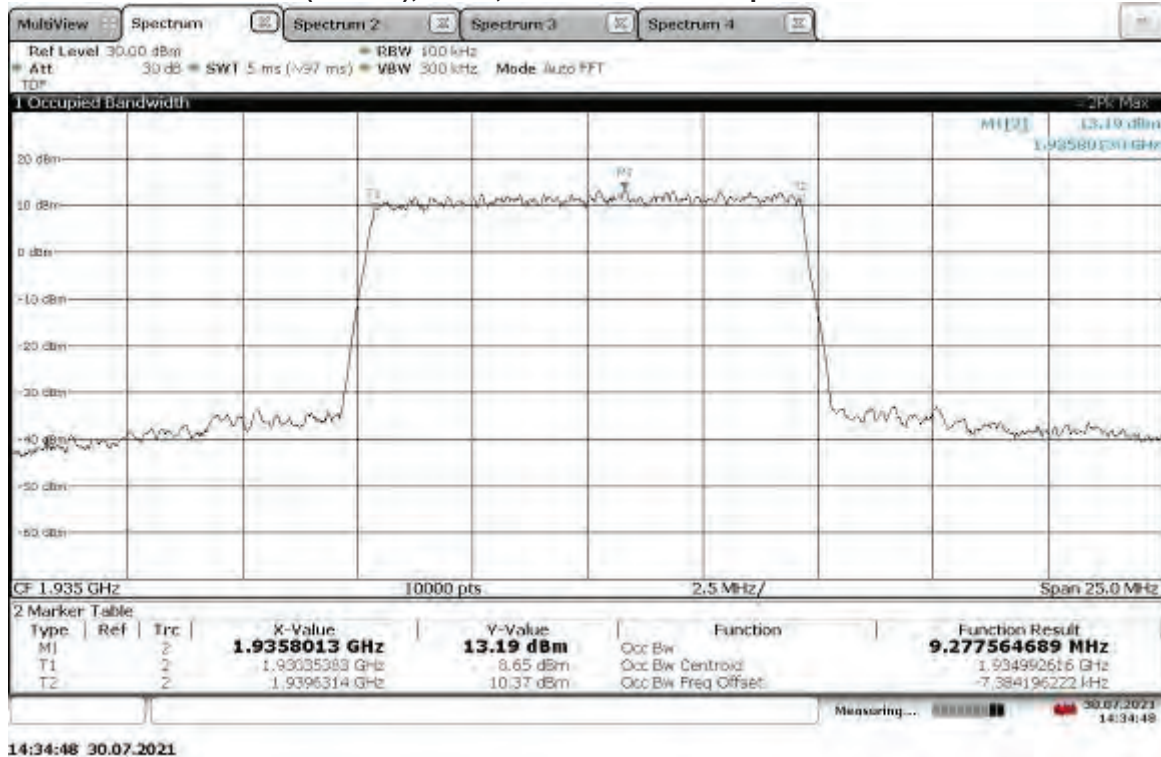


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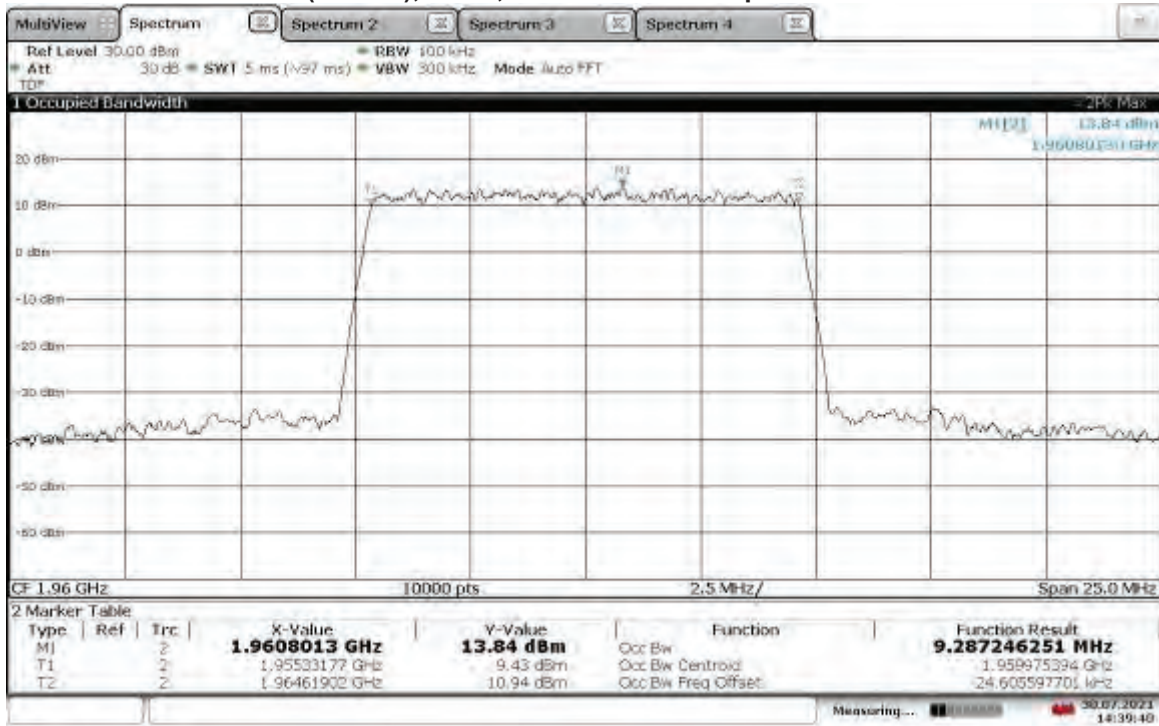
TM3.1a-256QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel Occupied Bandwidth



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

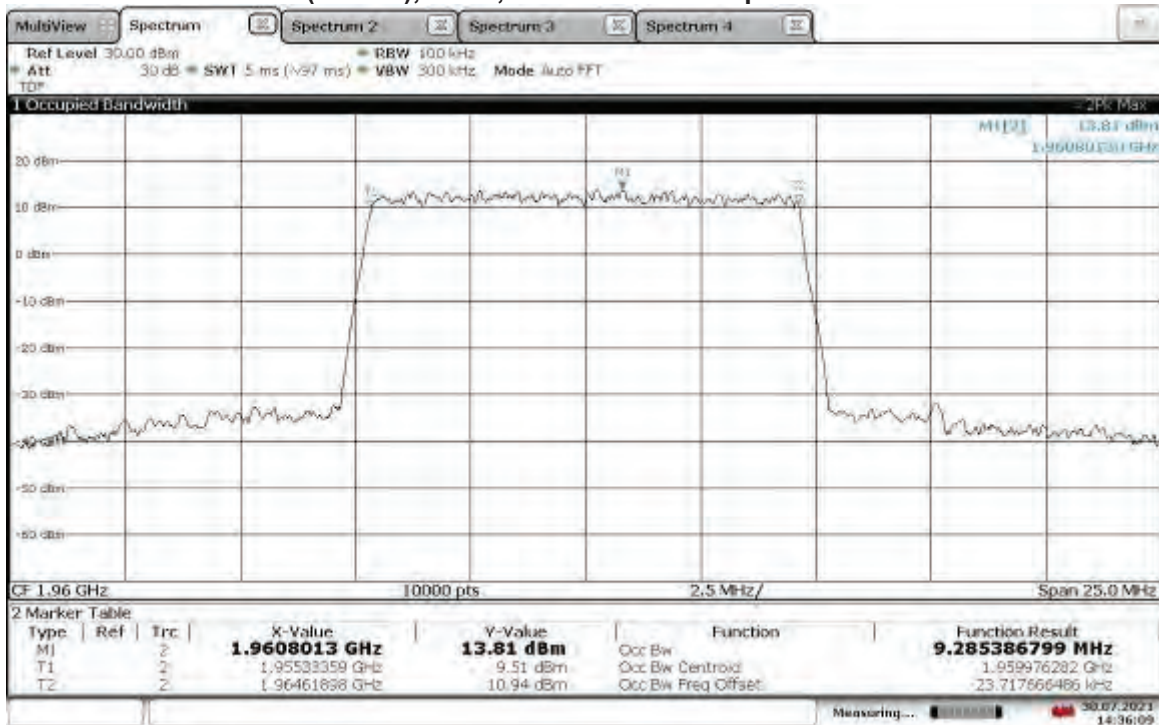


TM3.1a-256QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel Occupied Bandwidth



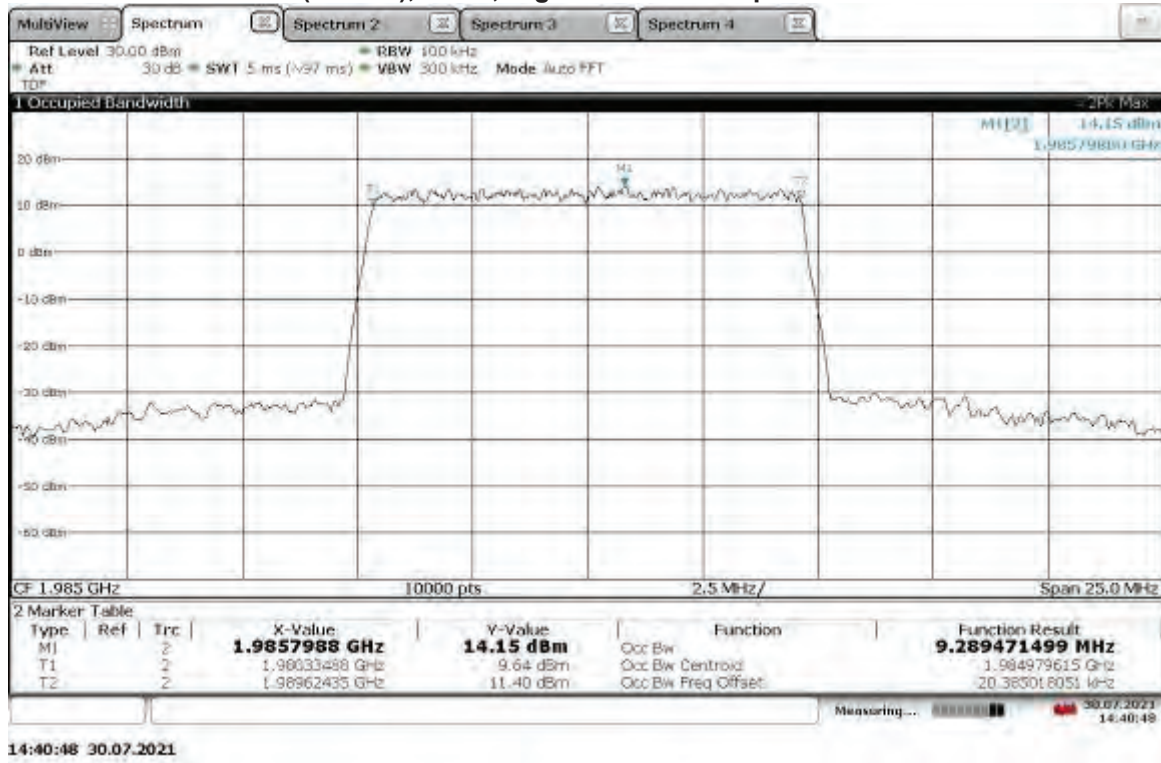
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TM3.1a-256QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT1, Mid Channel Occupied Bandwidth

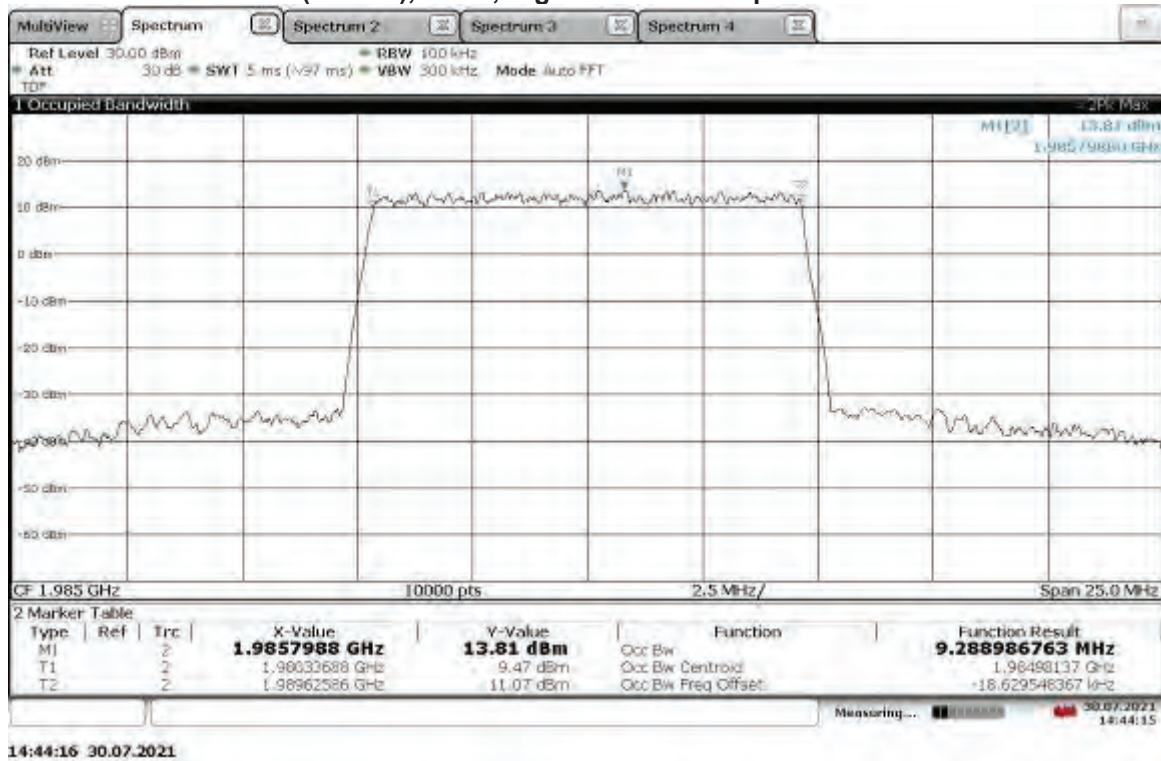


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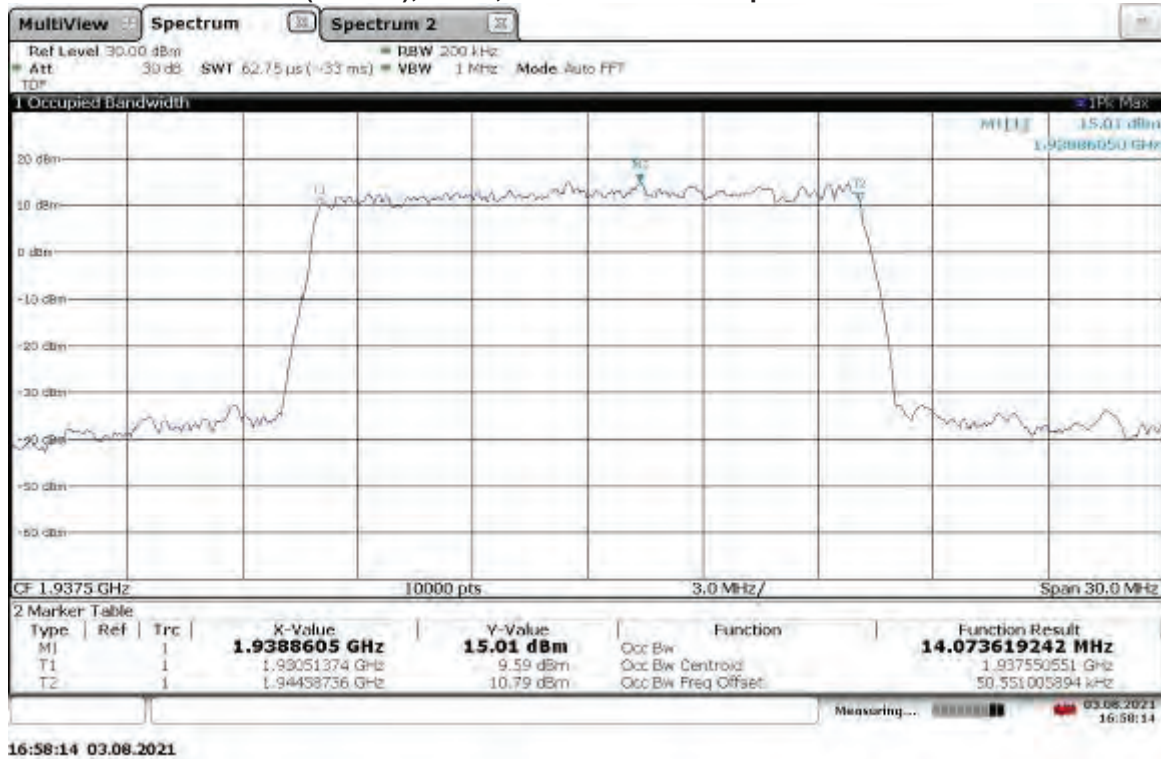
TM3.1a-256QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel Occupied Bandwidth



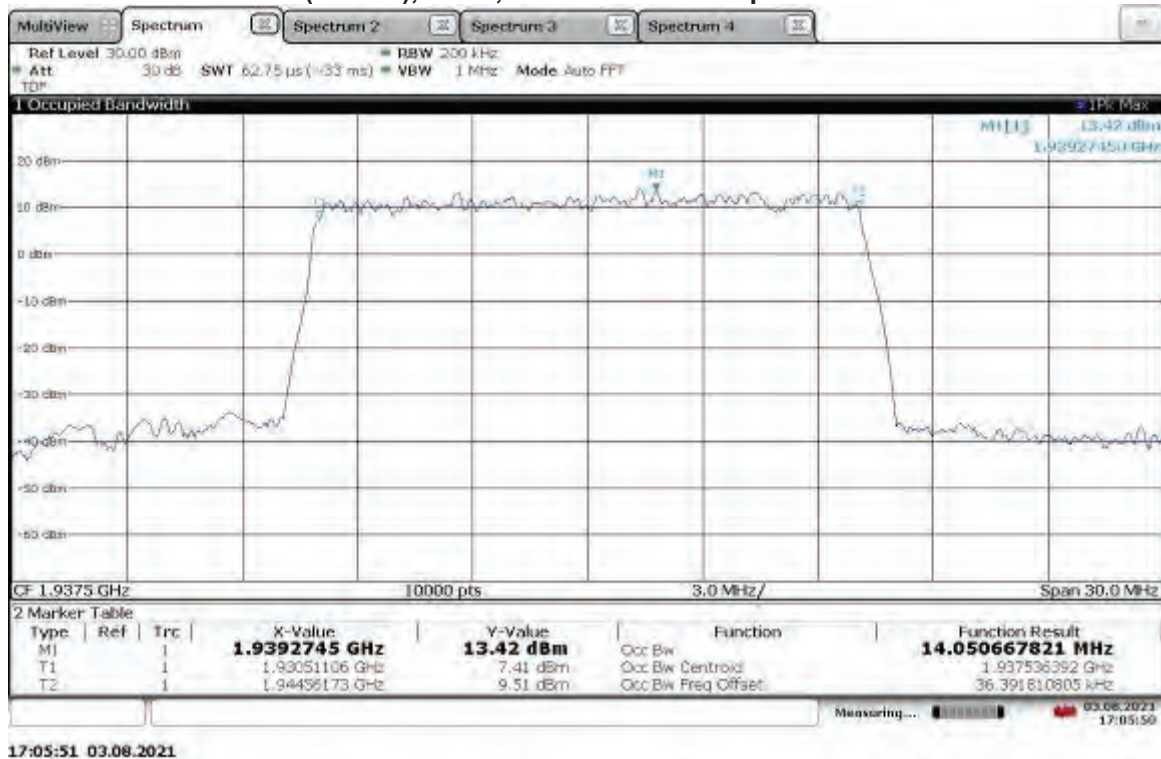
TM3.1a-256QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT1, High Channel Occupied Bandwidth



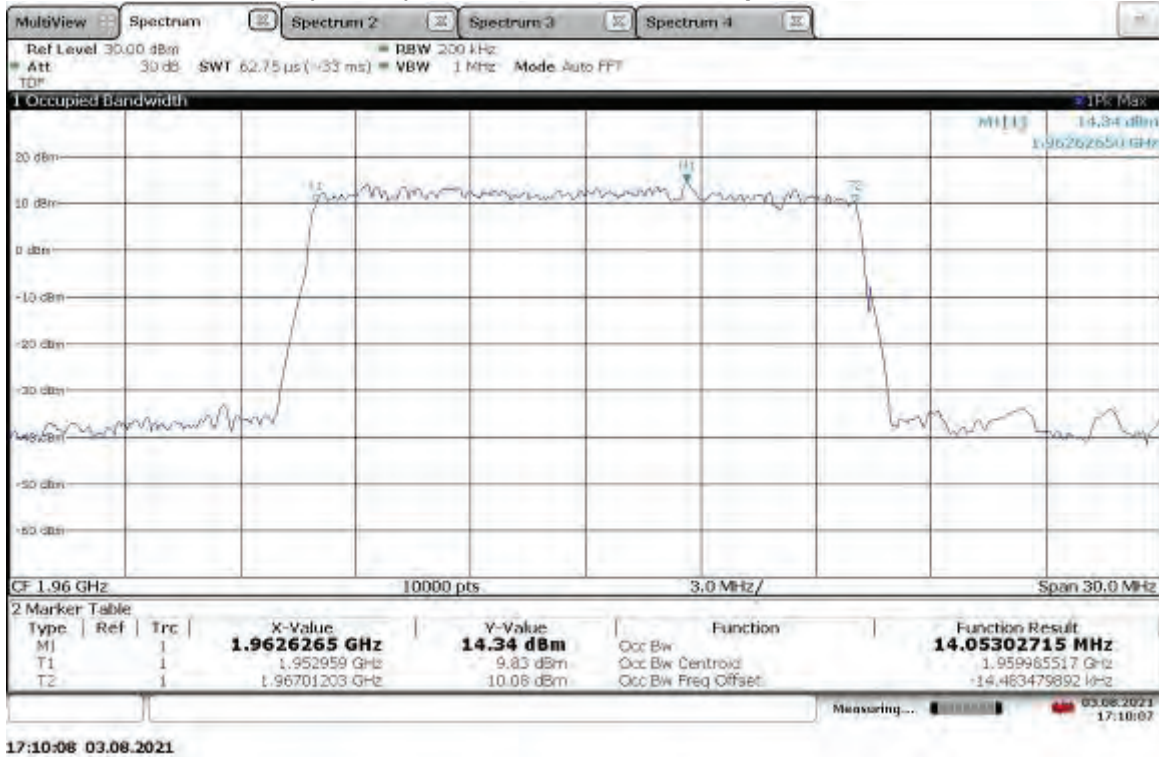
TM3.1a-256QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel Occupied Bandwidth



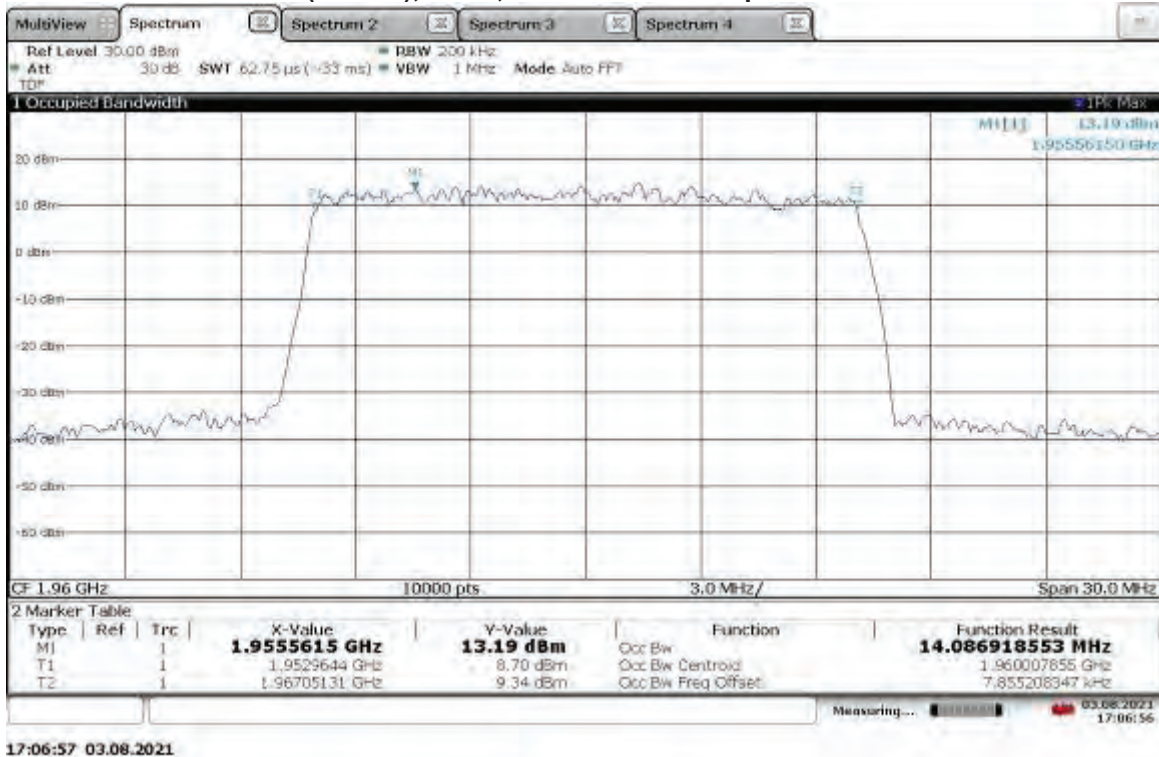
TM3.1a-256QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel Occupied Bandwidth



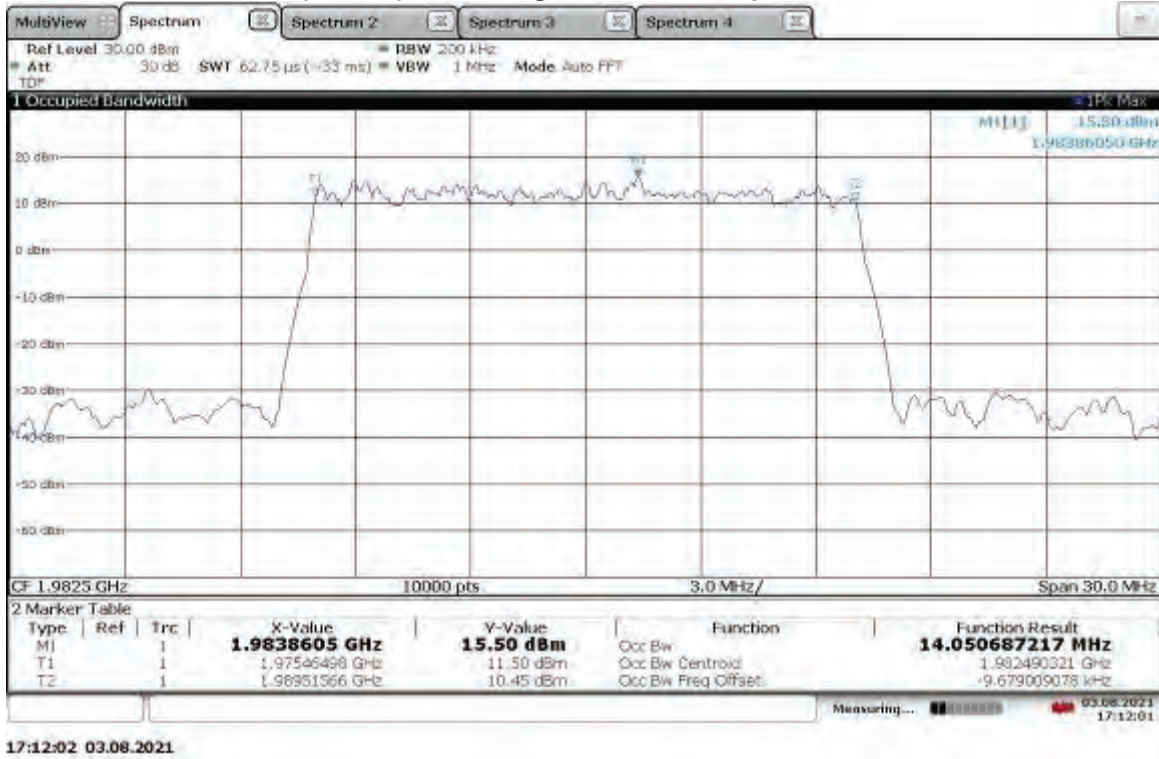
TM3.1a-256QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel Occupied Bandwidth



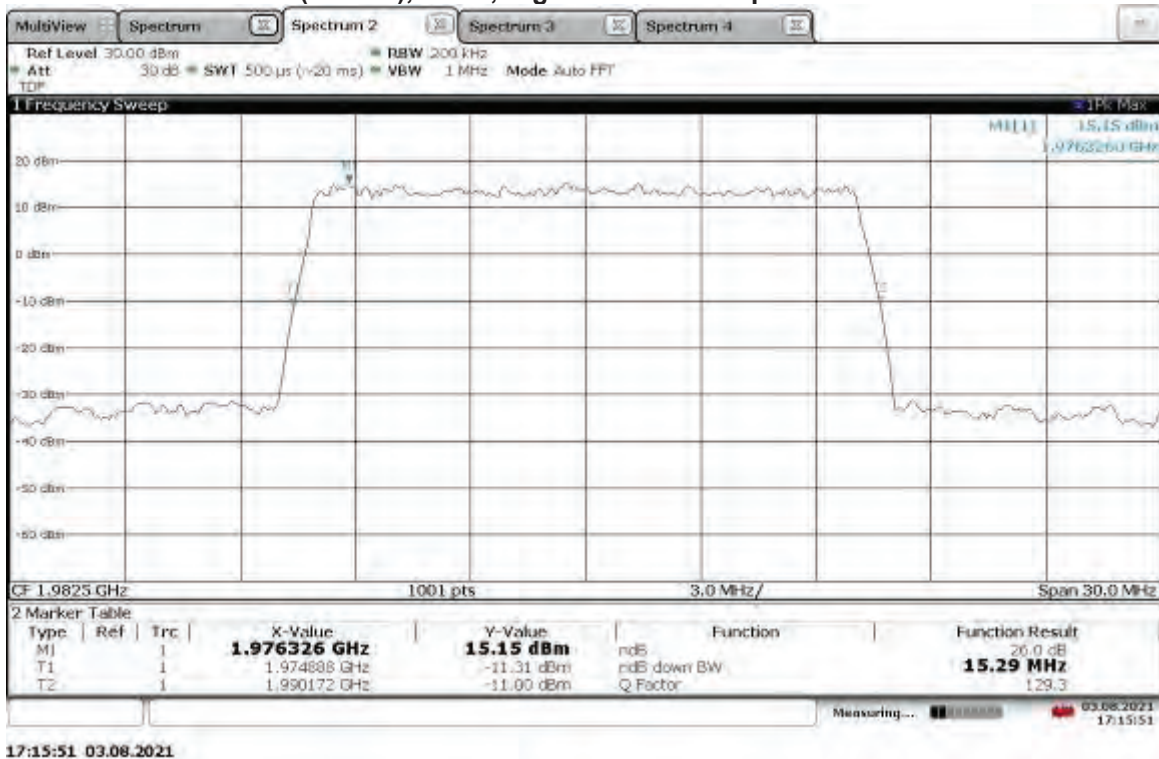
TM3.1a-256QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT1, Mid Channel Occupied Bandwidth



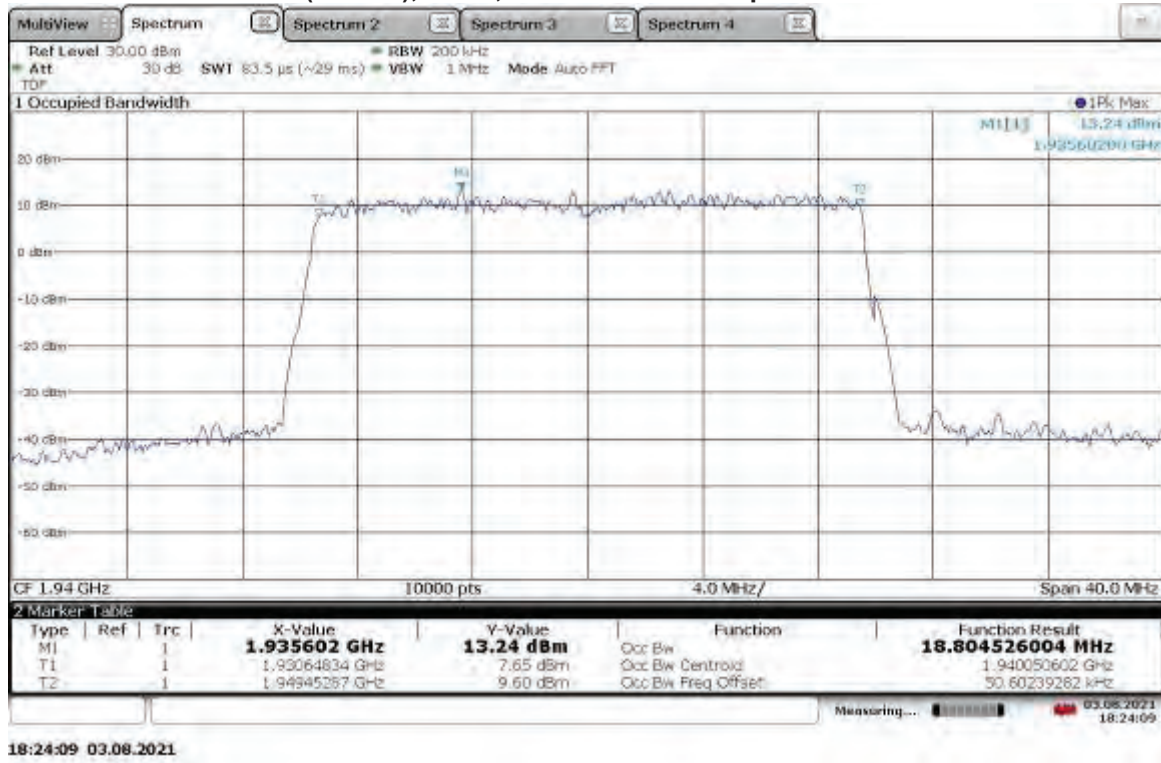
TM3.1a-256QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel Occupied Bandwidth



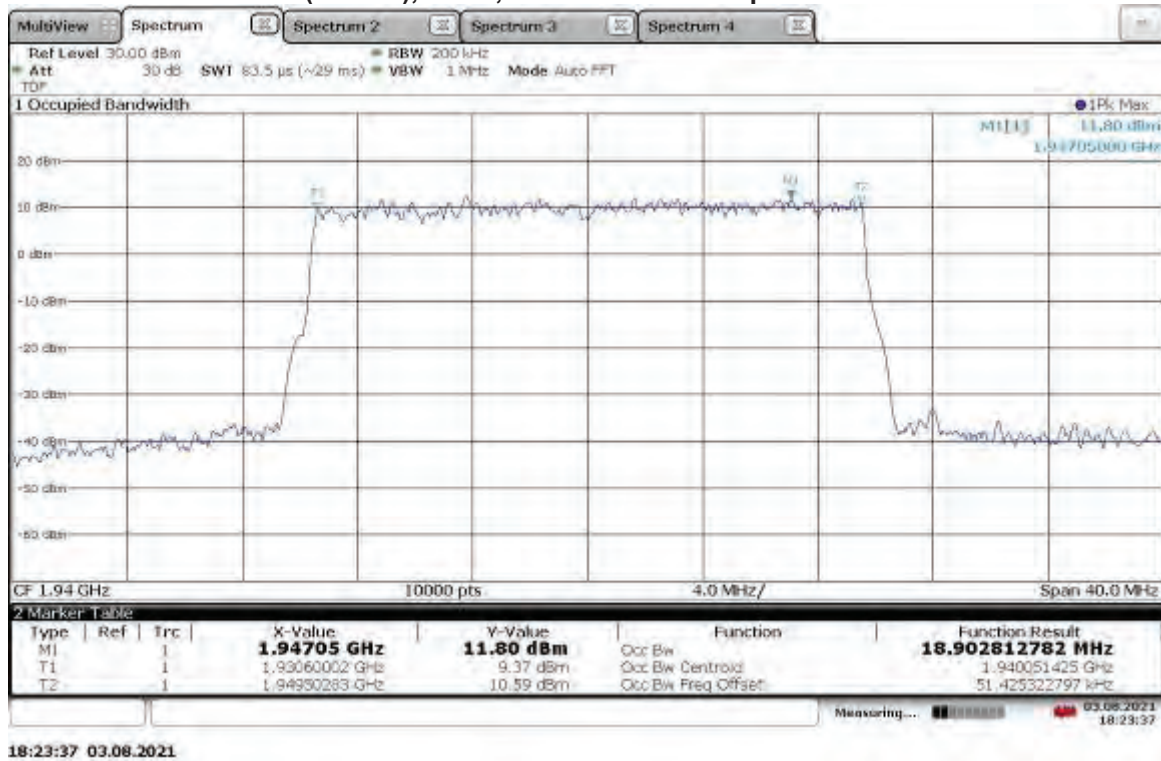
TM3.1a-256QAM_15 MHz Bandwidth
Slot 2 (Band 2), ANT1, High Channel Occupied Bandwidth



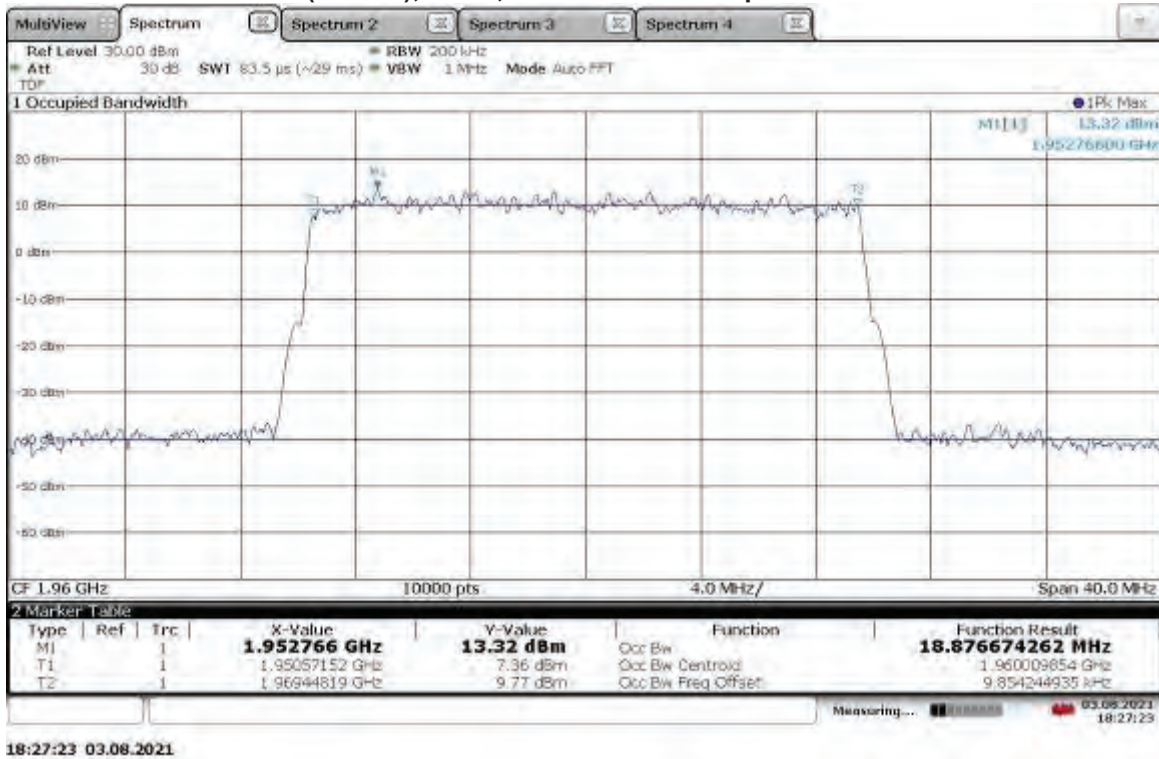
TM3.1a-256QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel Occupied Bandwidth



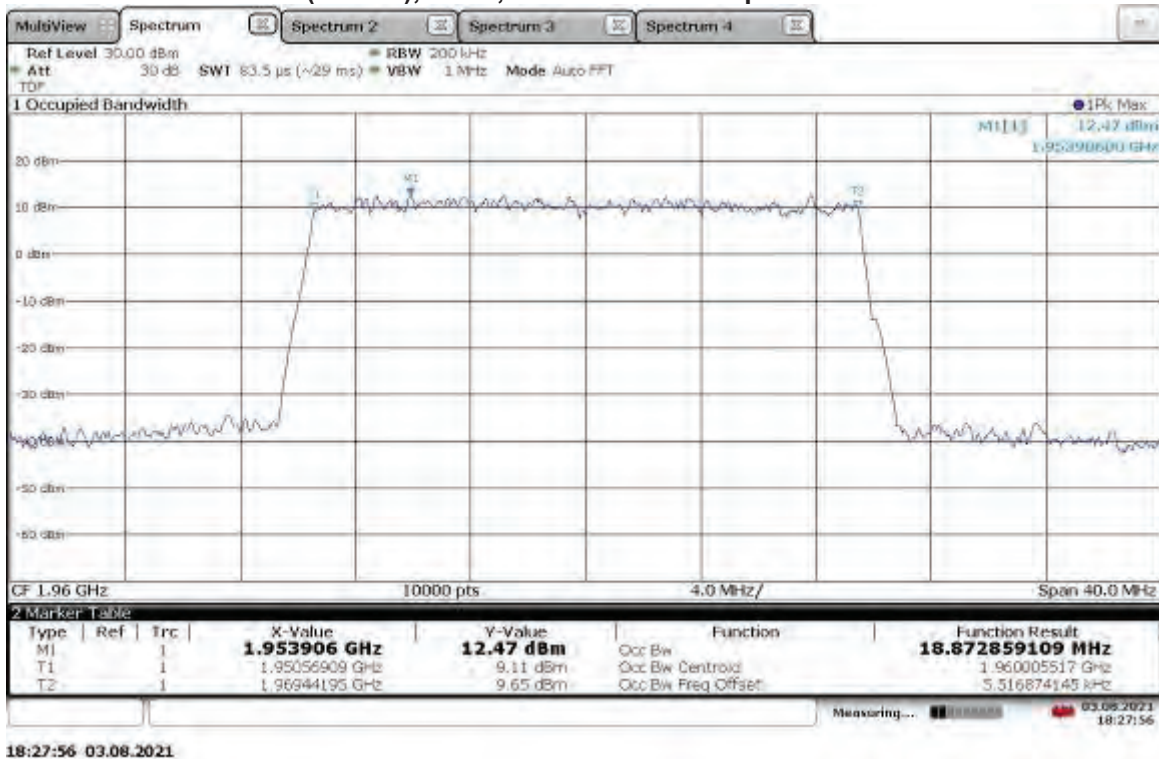
TM3.1a-256QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel Occupied Bandwidth



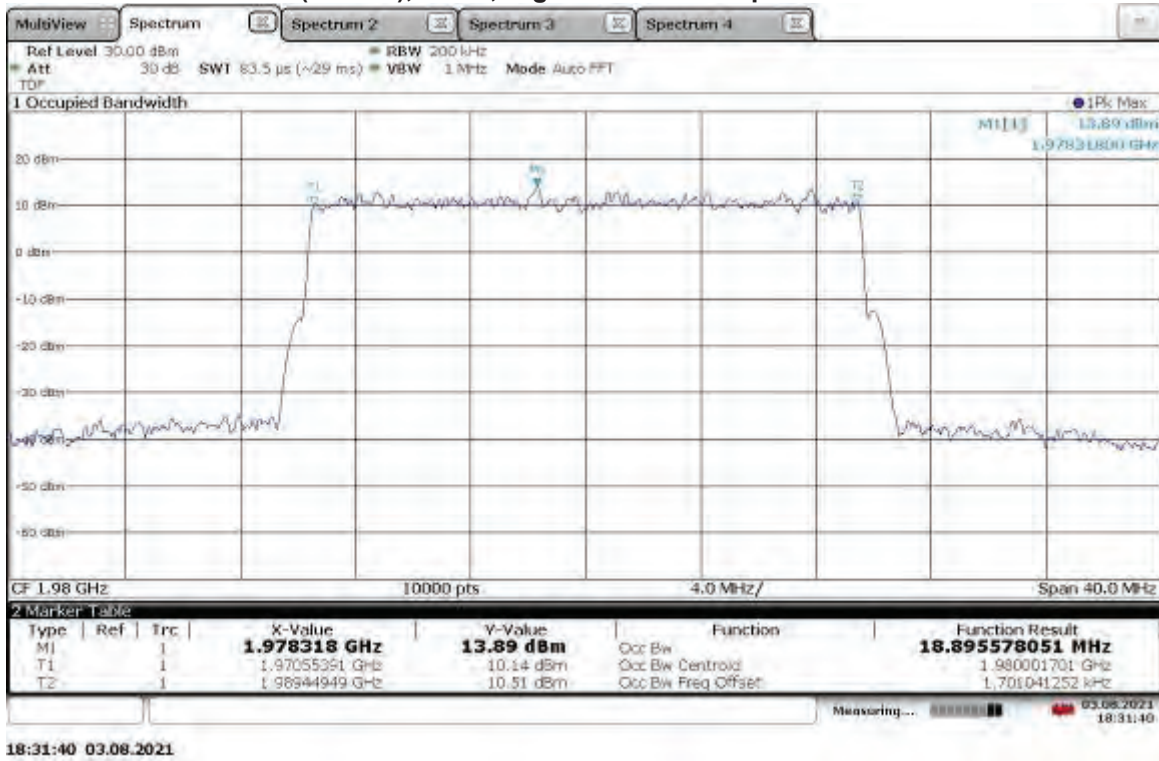
TM3.1a-256QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel Occupied Bandwidth



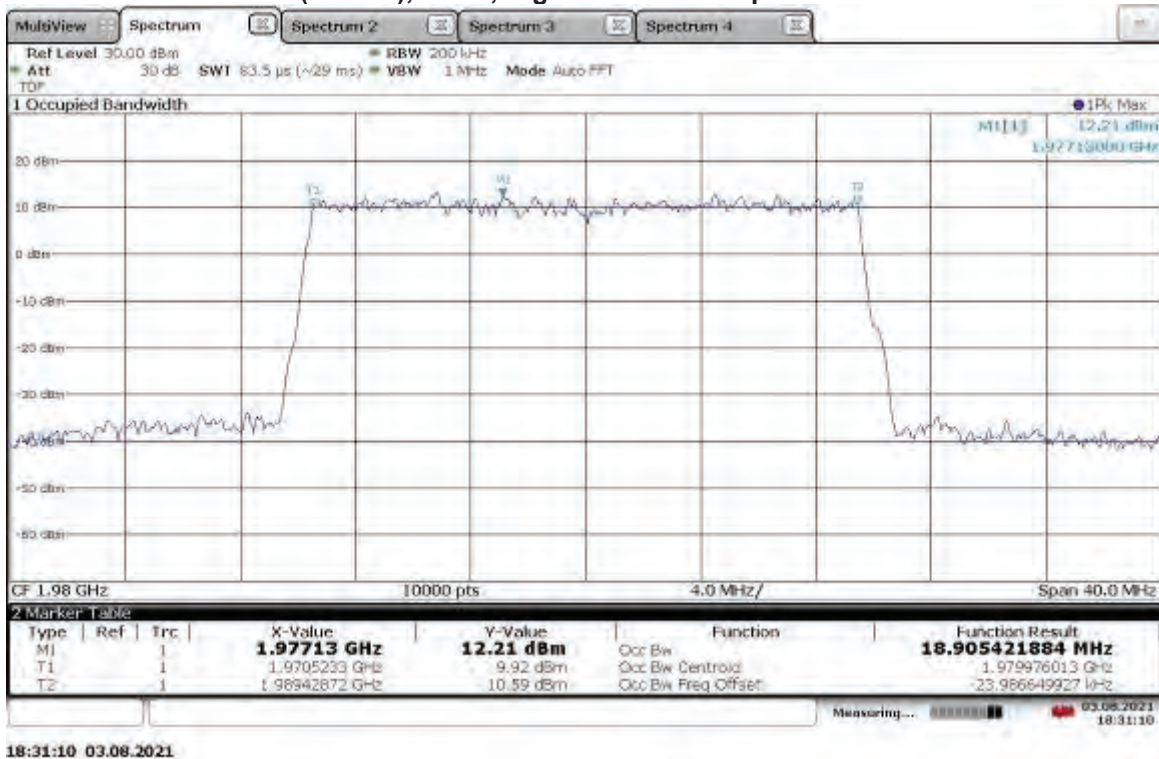
TM3.1a-256QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT1, Mid Channel Occupied Bandwidth



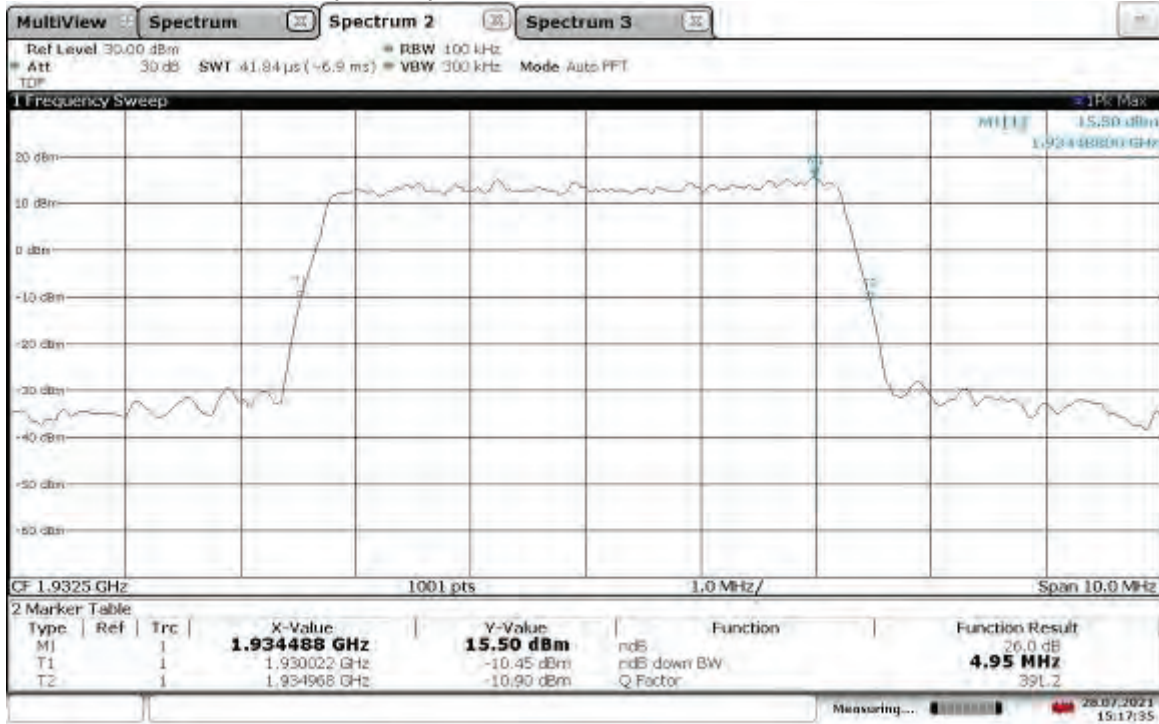
TM3.1a-256QAM_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel Occupied Bandwidth



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

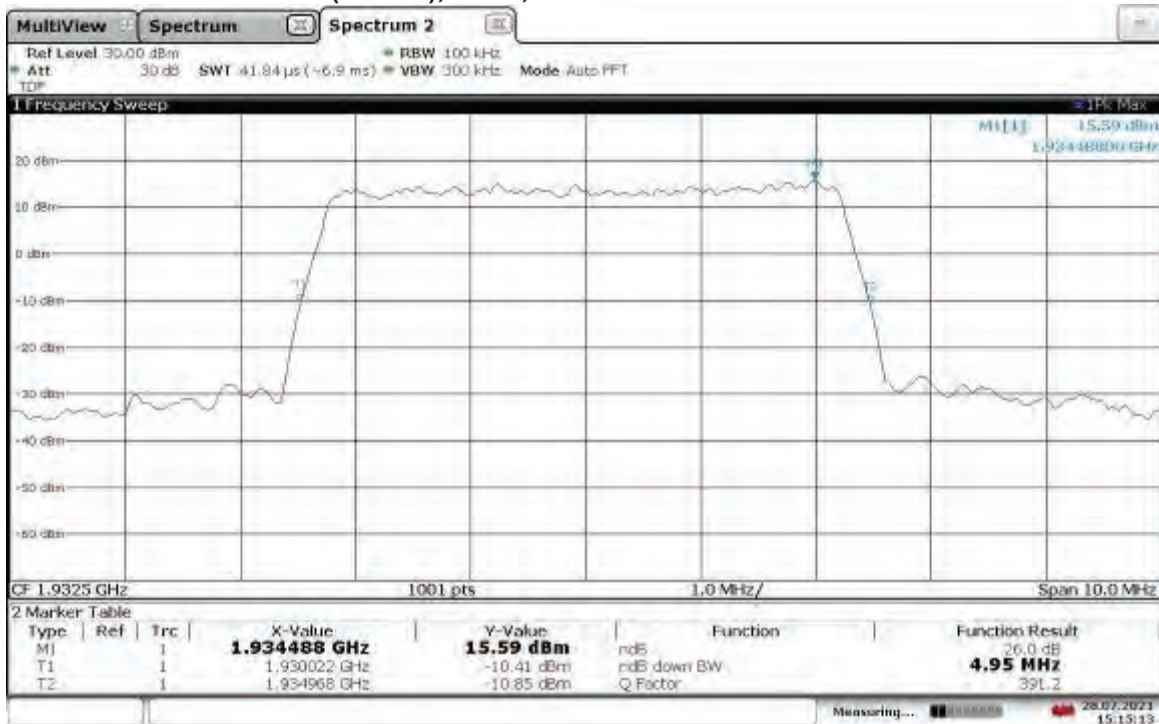


TM1.1-QPSK_5 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel 26dB Bandwidth



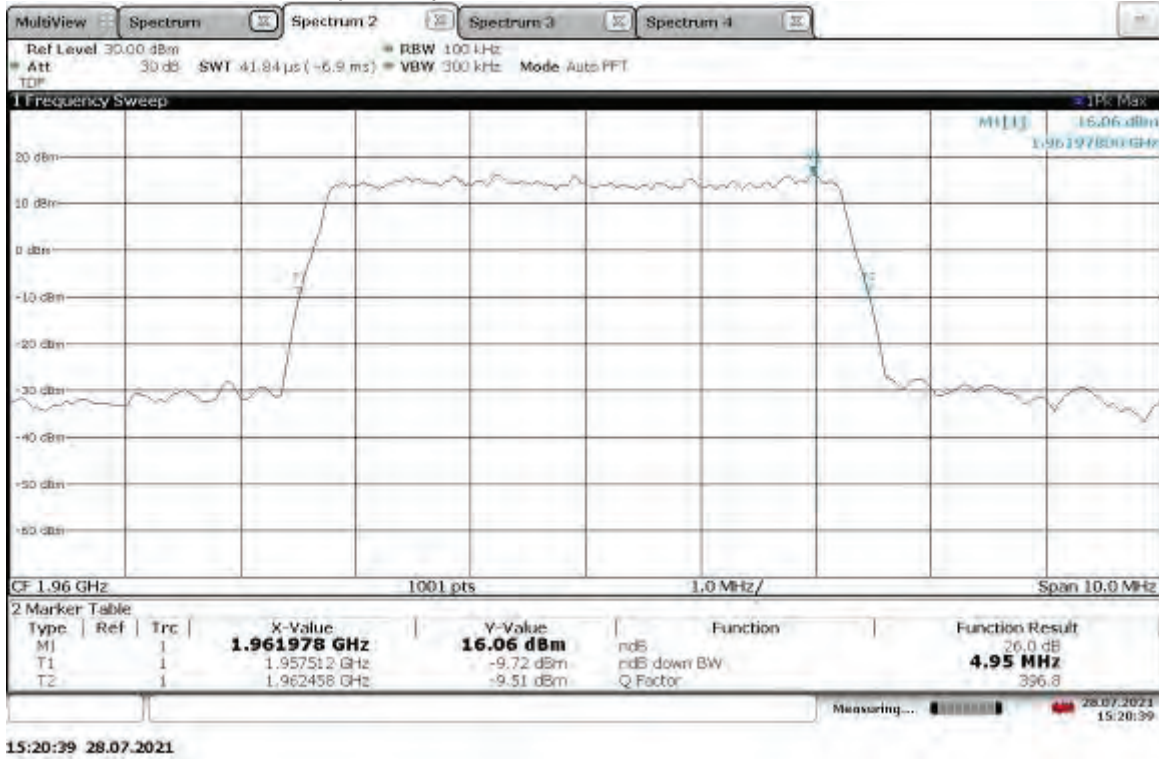
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TM1.1-QPSK_5 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel 26dB Bandwidth

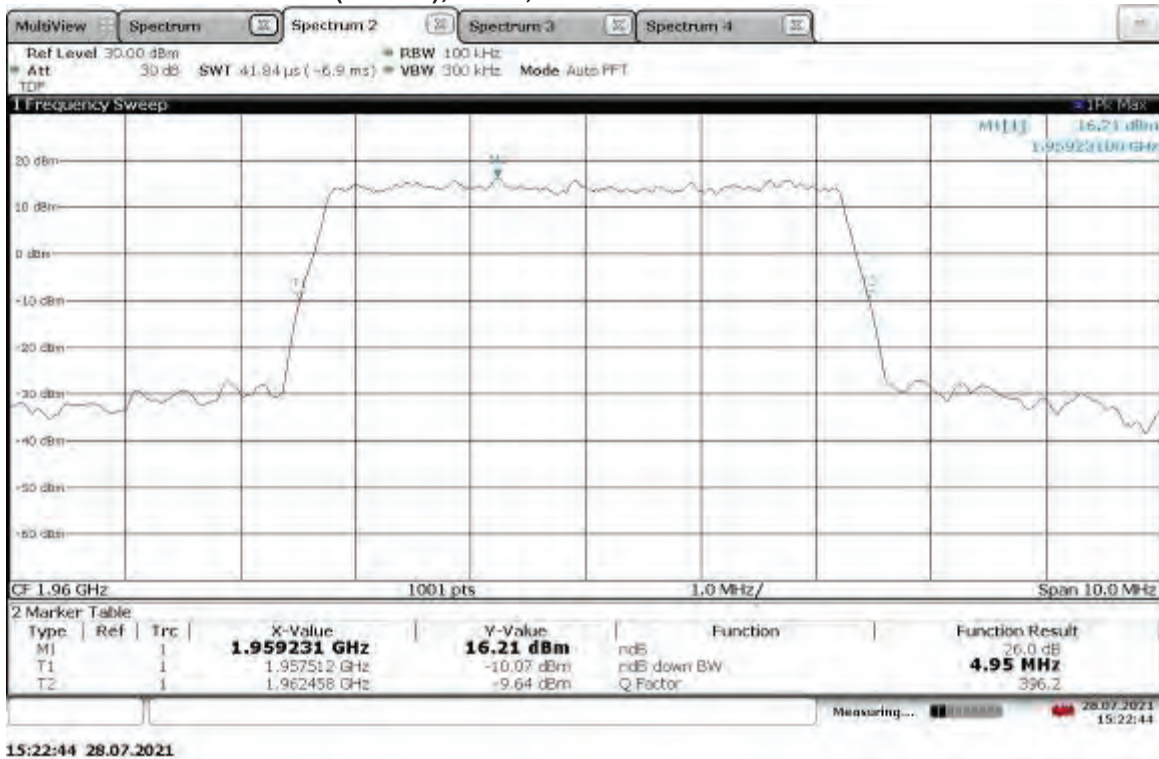


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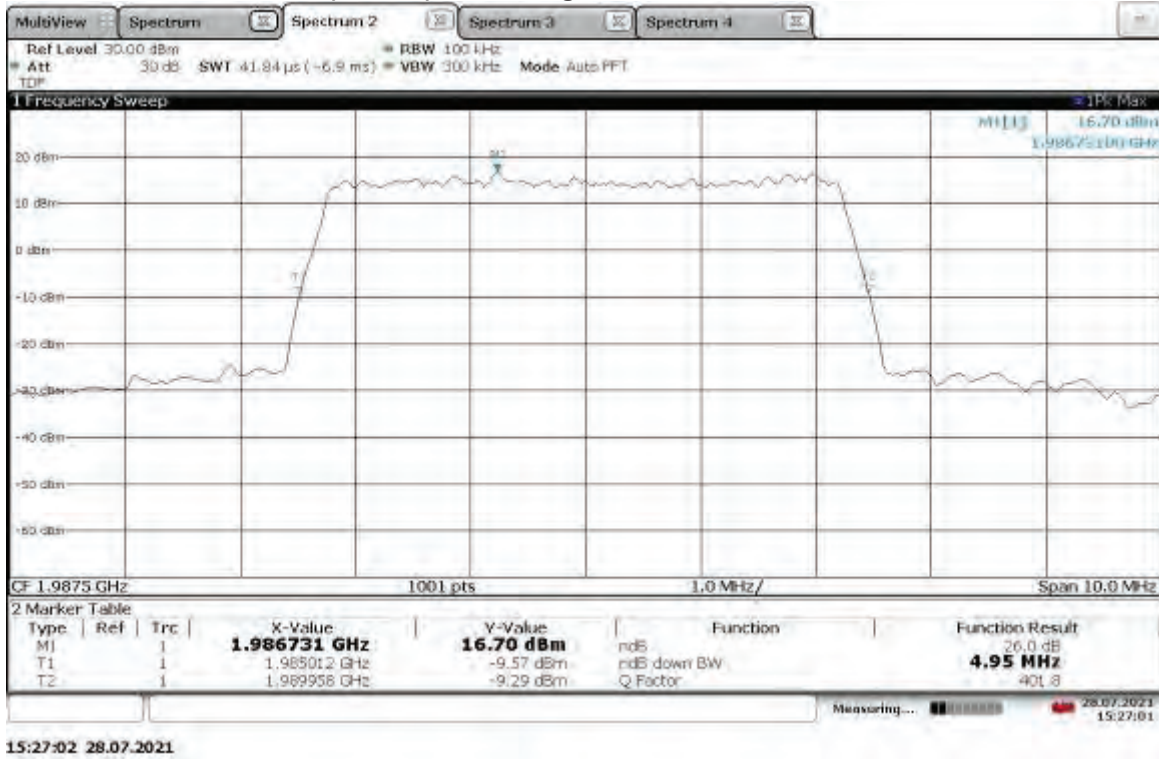
TM1.1-QPSK_5 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel 26dB Bandwidth



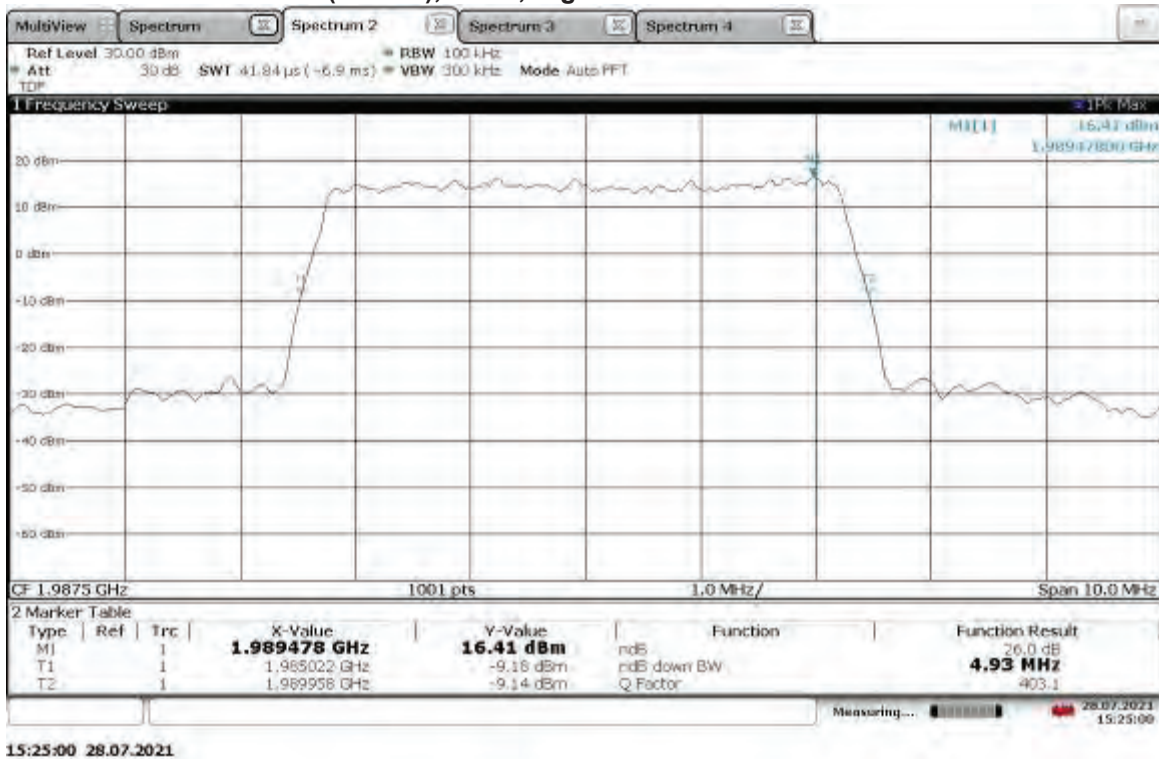
TM1.1-QPSK_5 MHz Bandwidth
Slot 2 (Band 2), ANT1, Mid Channel 26dB Bandwidth



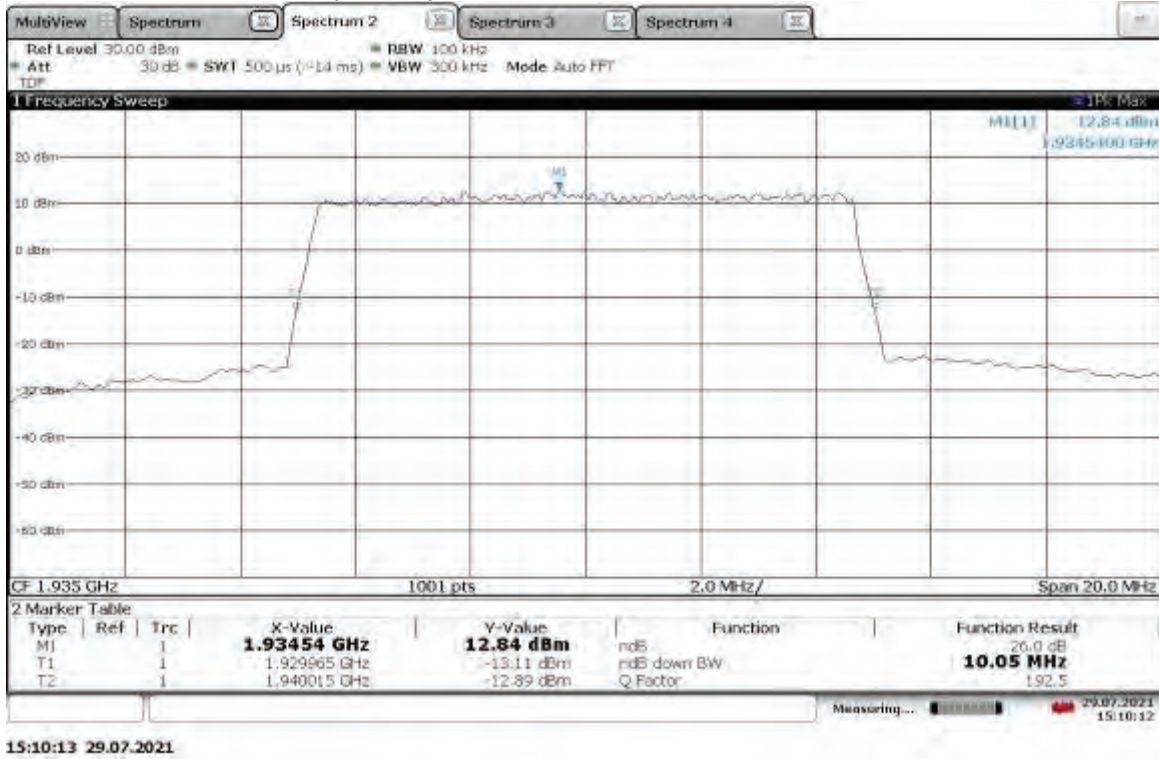
TM1.1-QPSK_5 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel 26dB Bandwidth



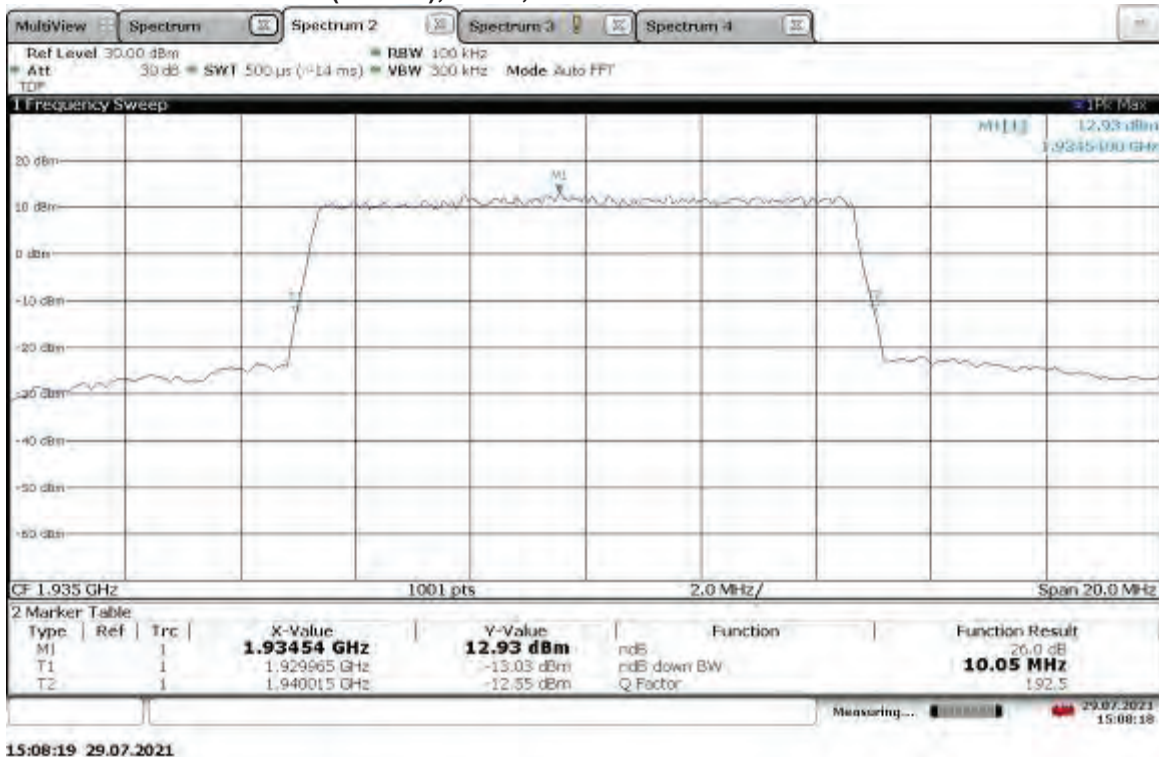
TM1.1-QPSK_5 MHz Bandwidth
Slot 2 (Band 2), ANT1, High Channel 26dB Bandwidth



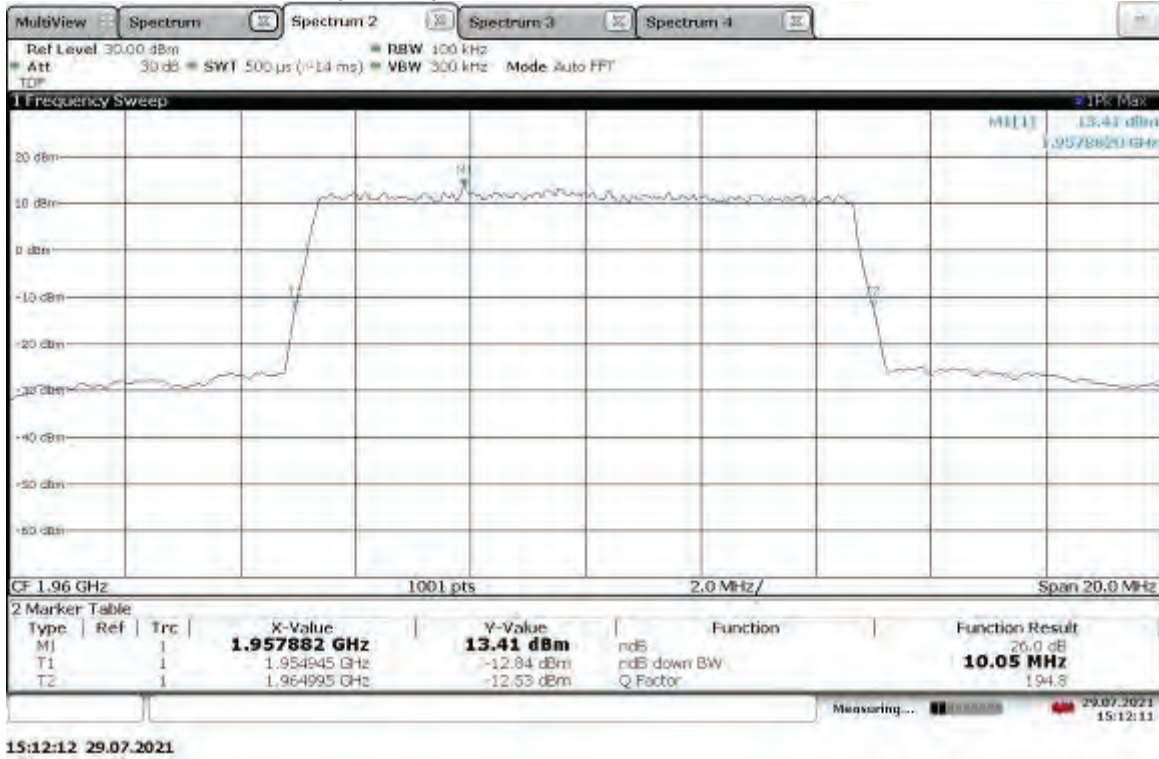
TM1.1-QPSK_10 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel 26dB Bandwidth



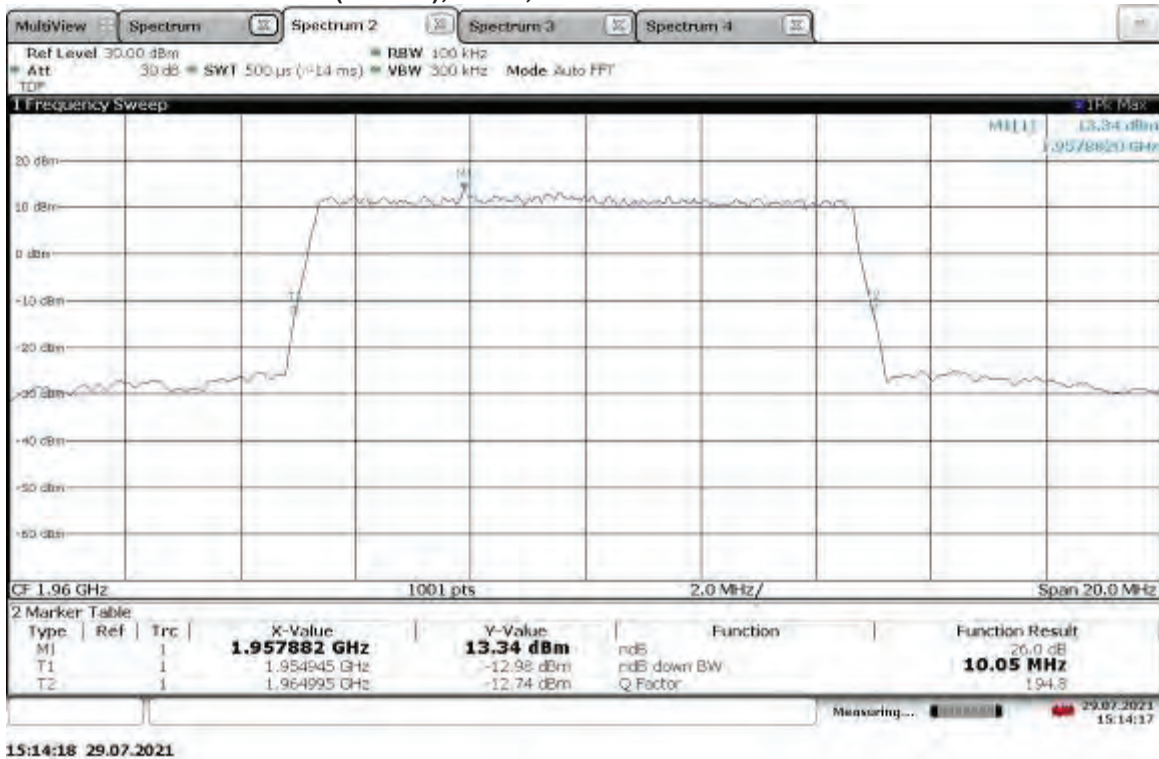
TM1.1-QPSK_10 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel 26dB Bandwidth



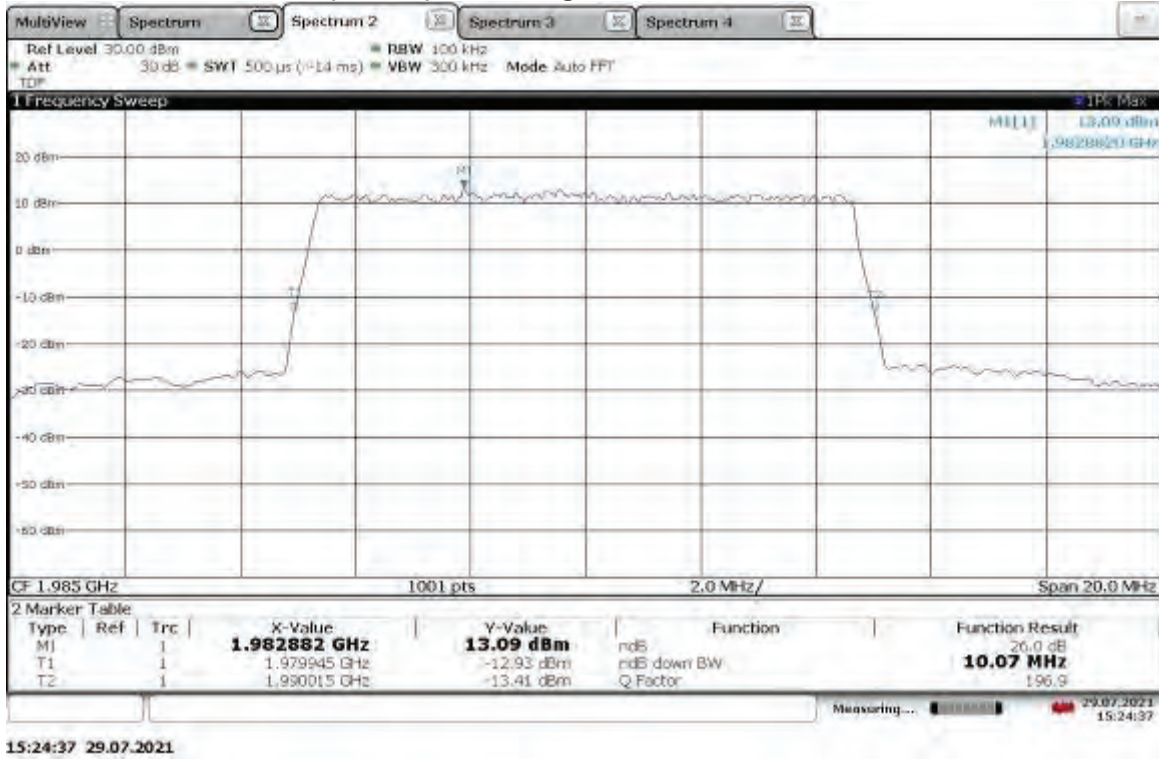
TM1.1-QPSK_10 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel 26dB Bandwidth



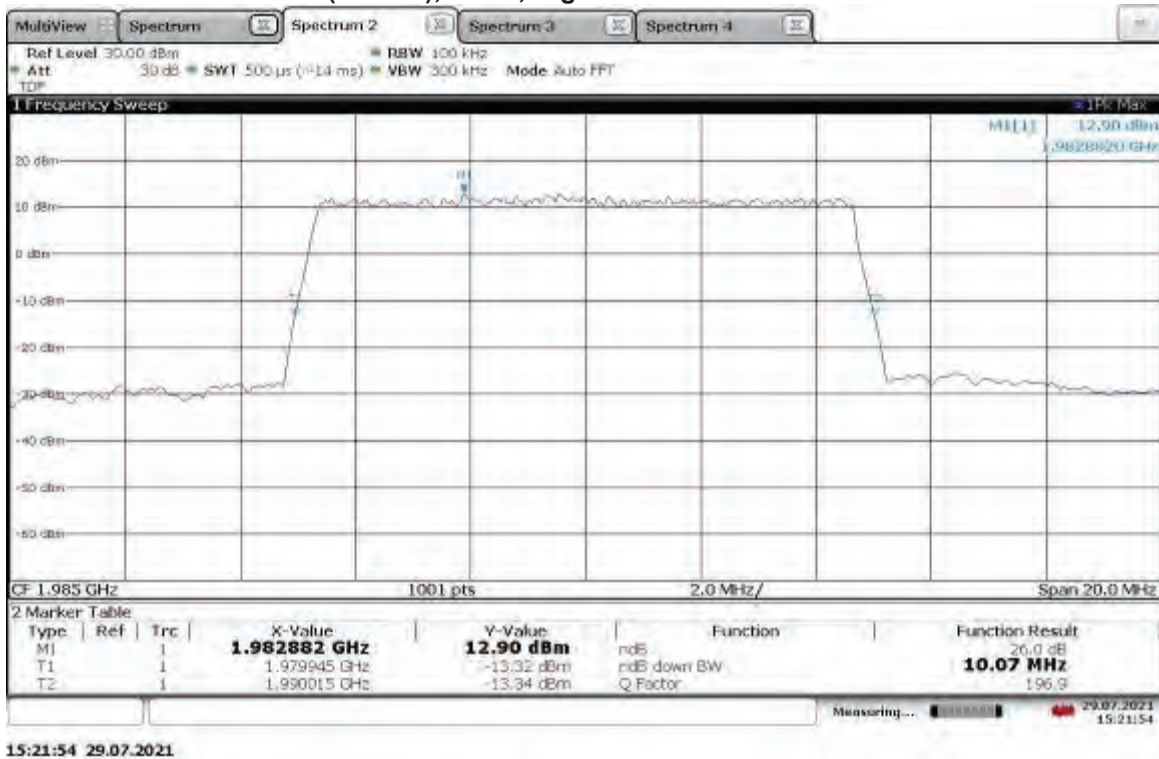
TM1.1-QPSK_10 MHz Bandwidth
Slot 2 (Band 2), ANT1, Mid Channel 26dB Bandwidth



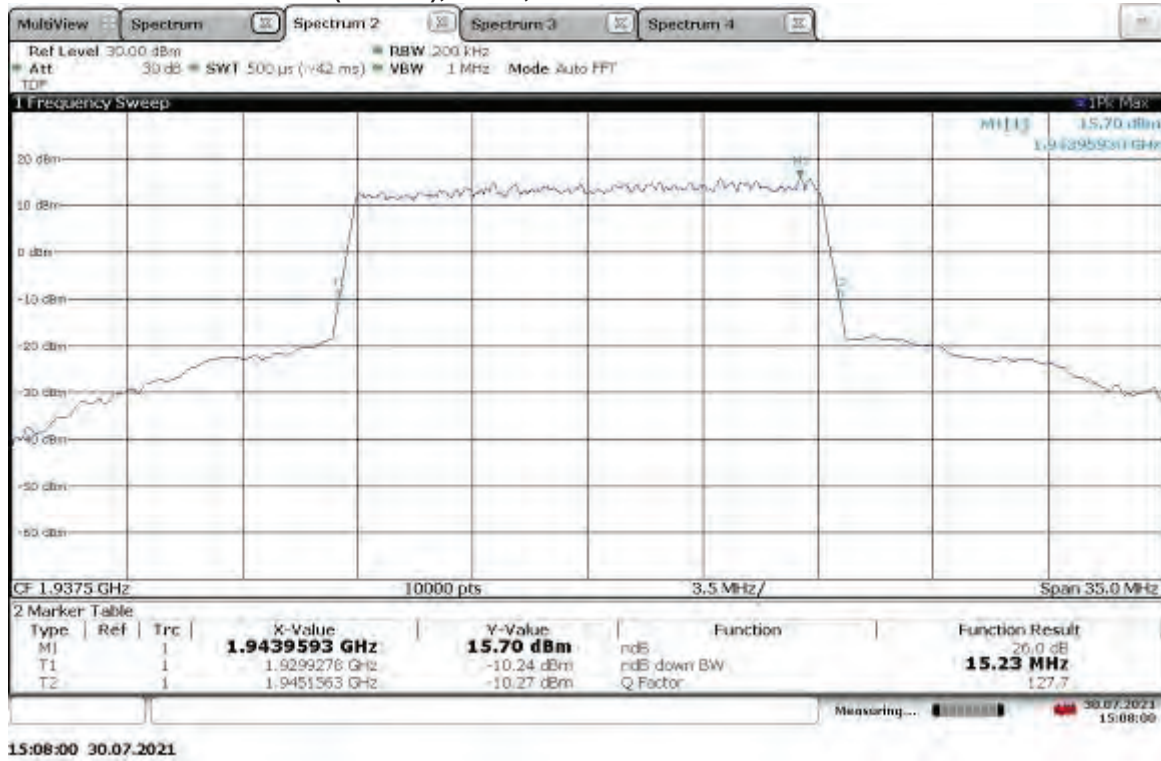
TM1.1-QPSK_10 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel 26dB Bandwidth



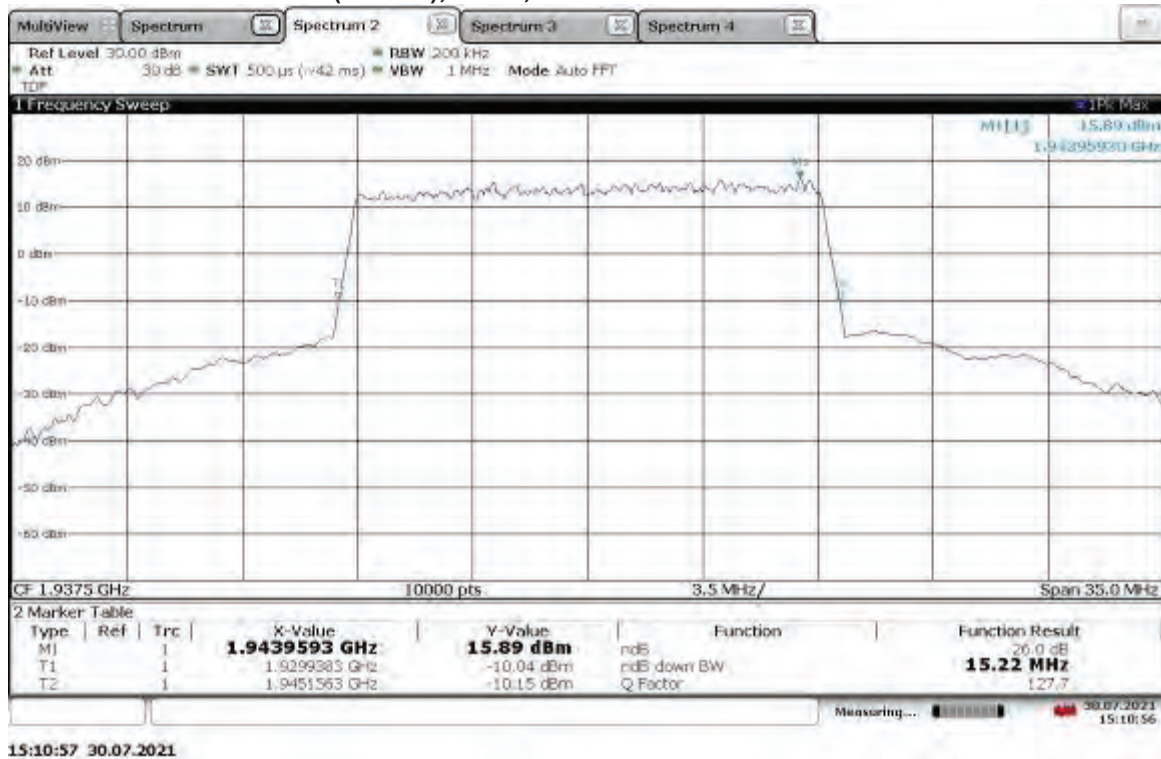
TM1.1-QPSK_10 MHz Bandwidth
Slot 2 (Band 2), ANT1, High Channel 26dB Bandwidth



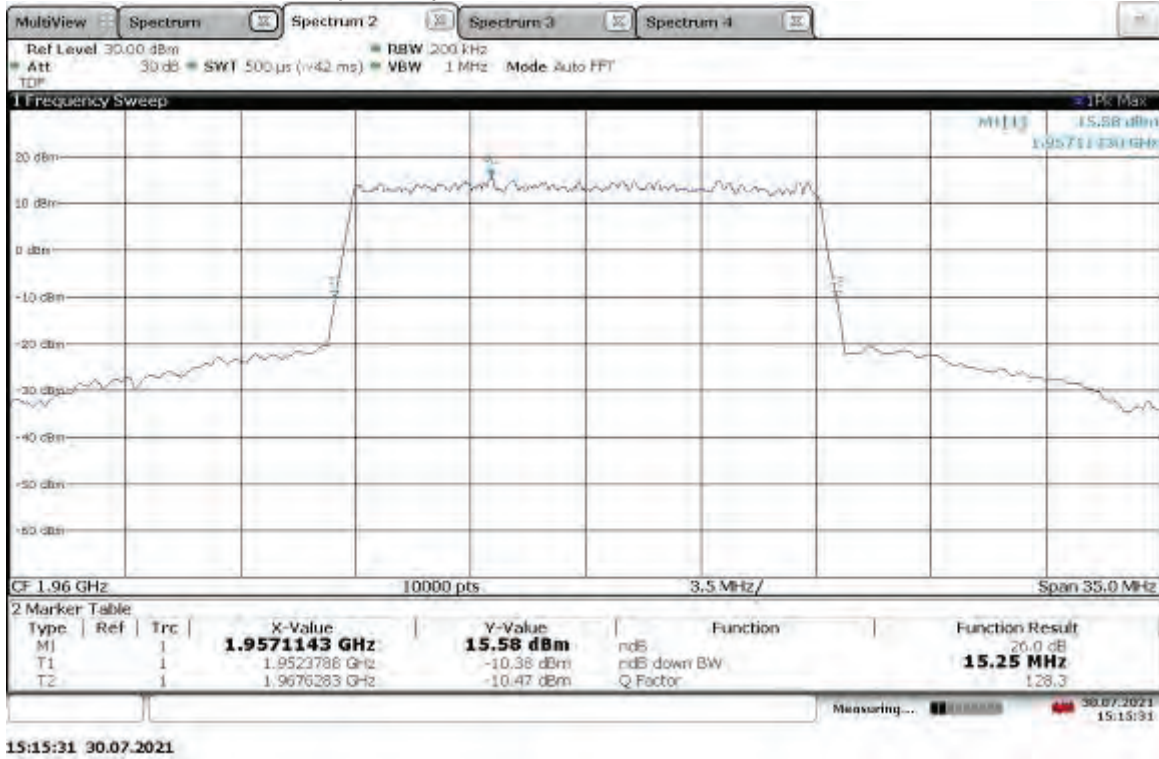
TM1.1-QPSK_15 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel 26dB Bandwidth



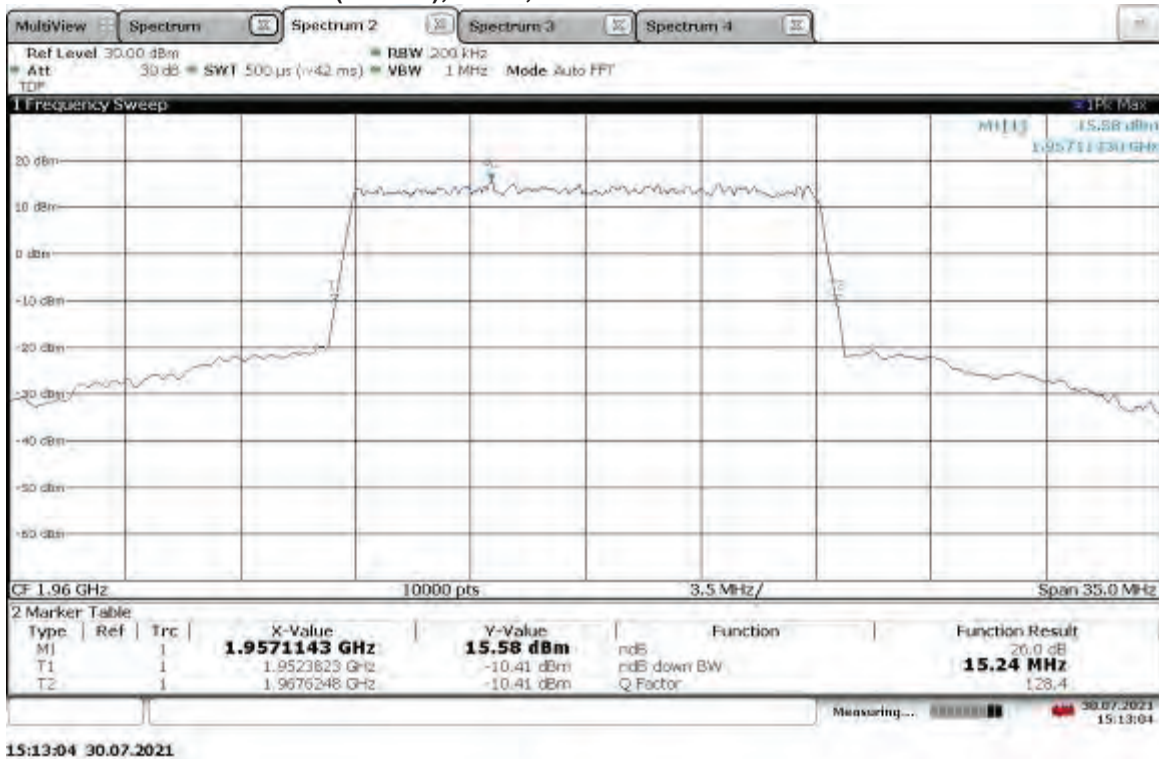
TM1.1-QPSK_15 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel 26dB Bandwidth



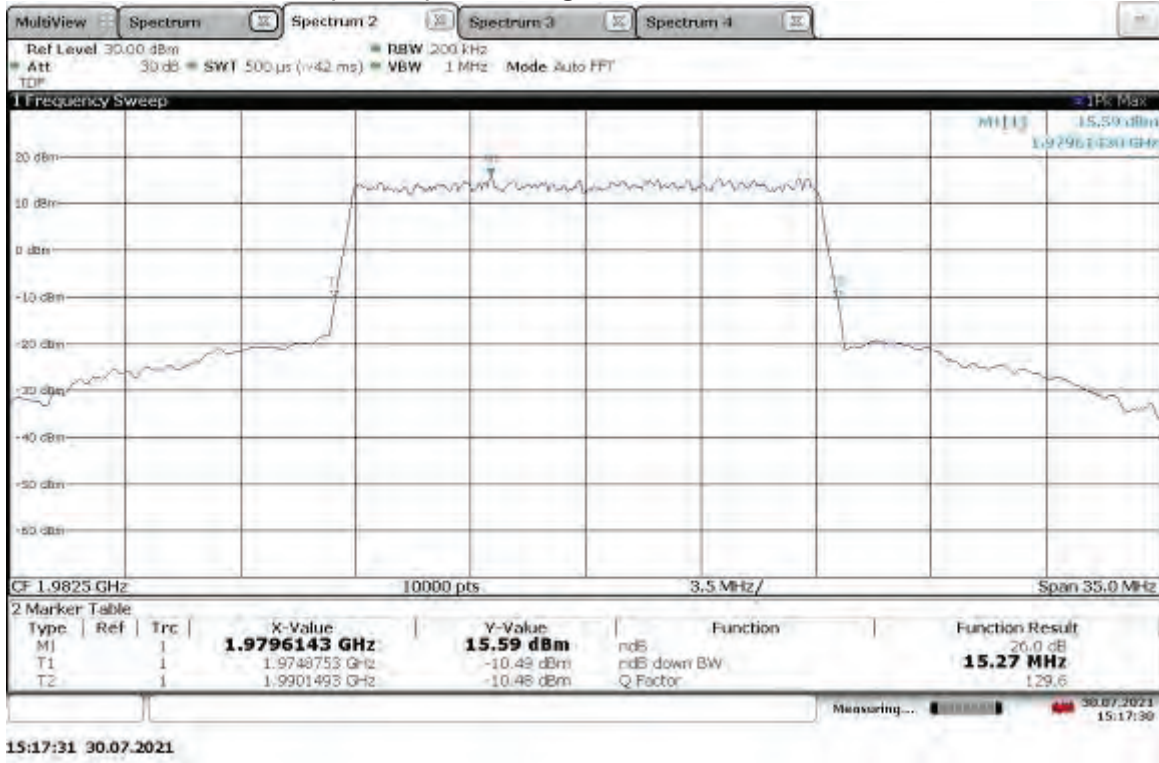
TM1.1-QPSK_15 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel 26dB Bandwidth



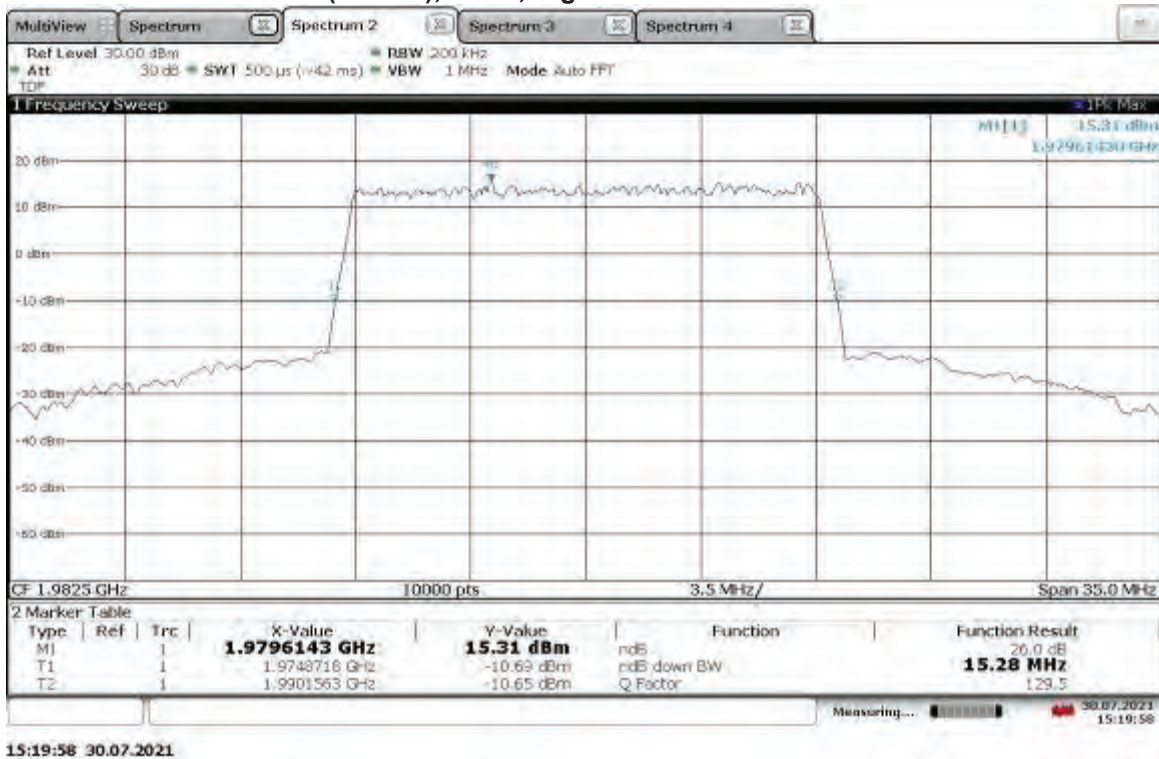
TM1.1-QPSK_15 MHz Bandwidth
Slot 2 (Band 2), ANT1, Mid Channel 26dB Bandwidth



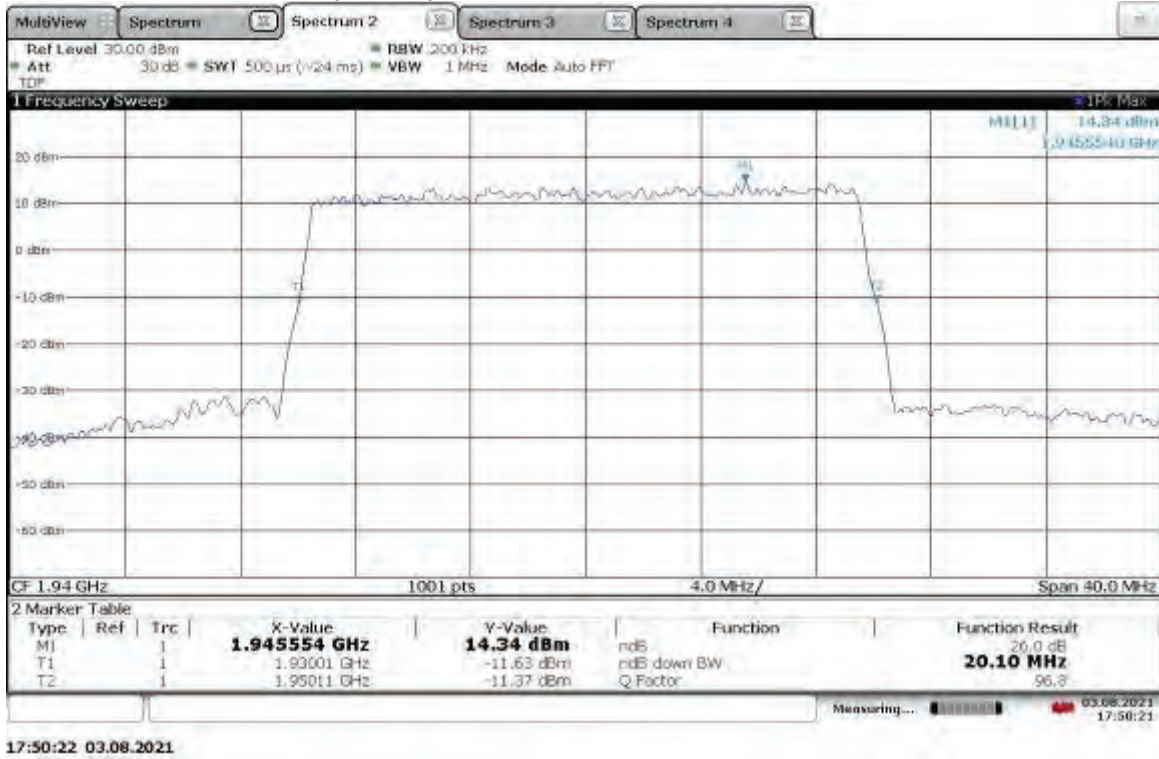
TM1.1-QPSK_15 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel 26dB Bandwidth



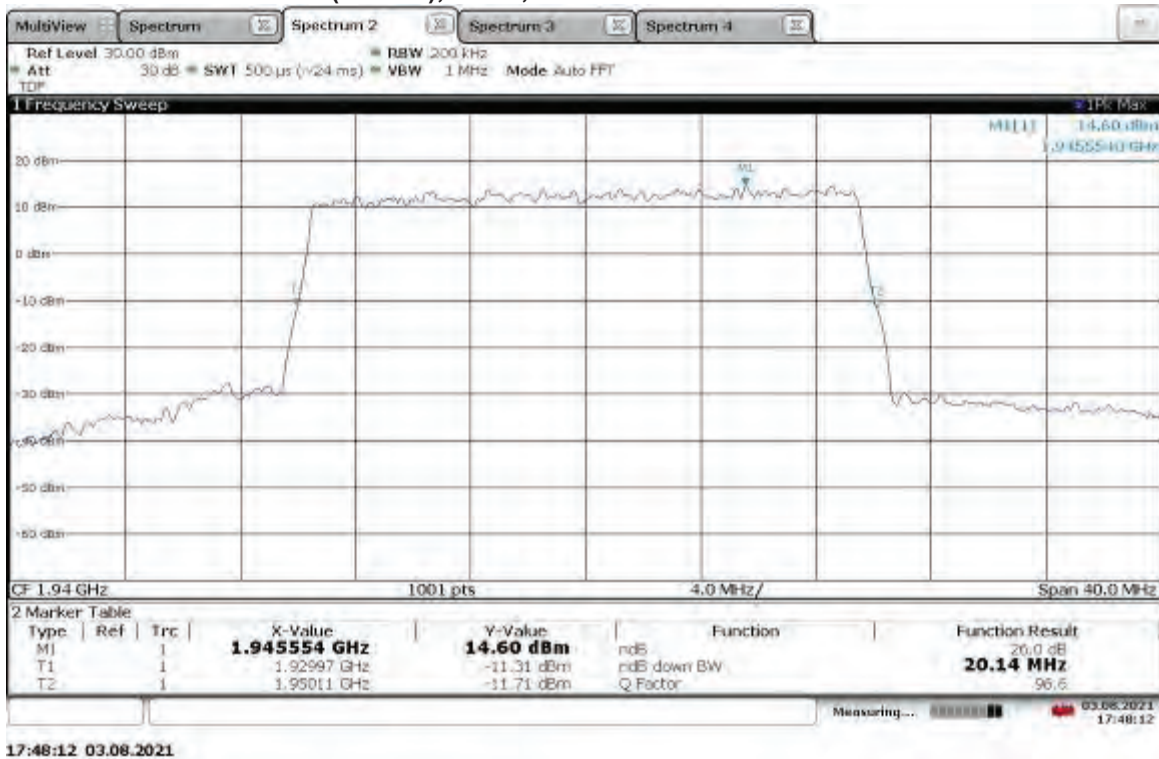
TM1.1-QPSK_15 MHz Bandwidth
Slot 2 (Band 2), ANT1, High Channel 26dB Bandwidth



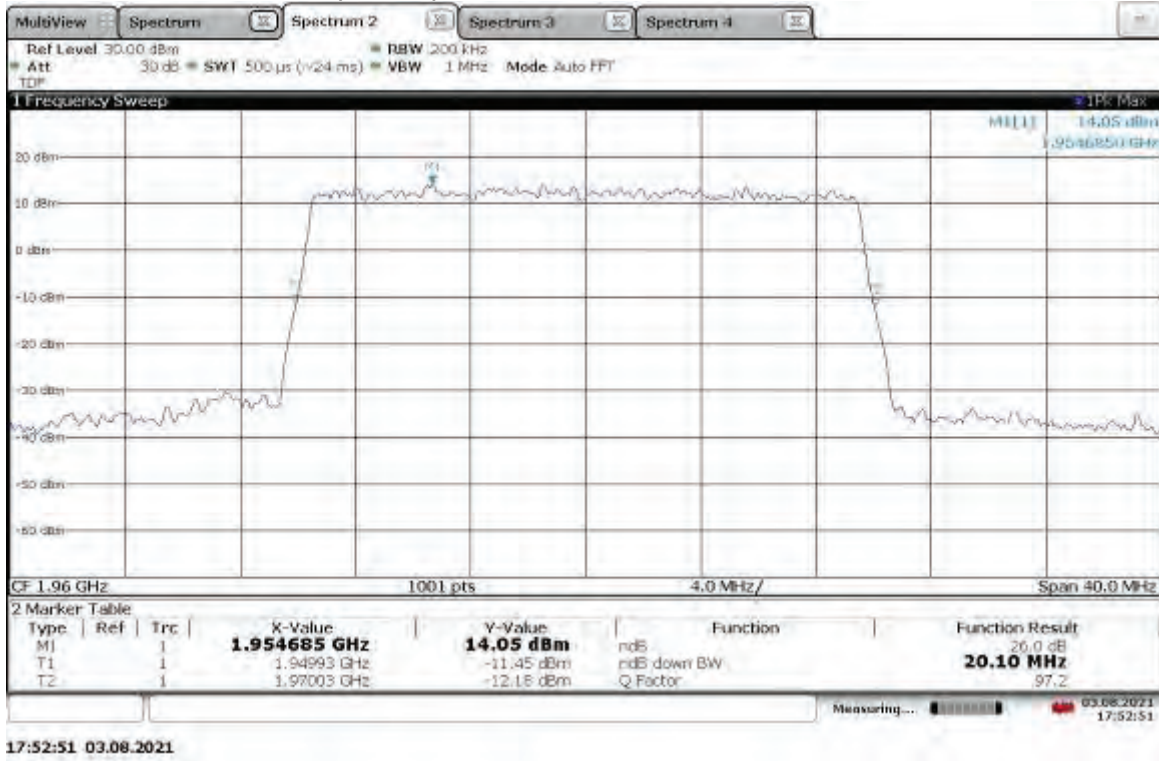
TM1.1-QPSK_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel 26dB Bandwidth



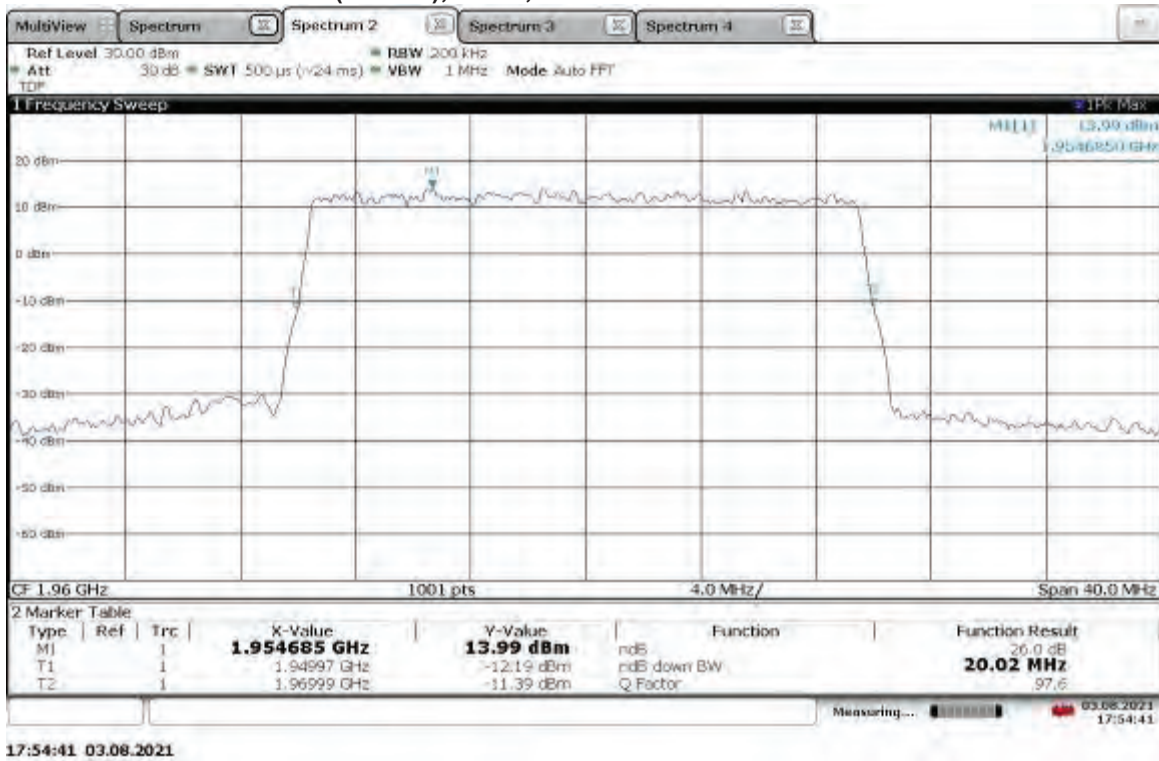
TM1.1-QPSK_20 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel 26dB Bandwidth

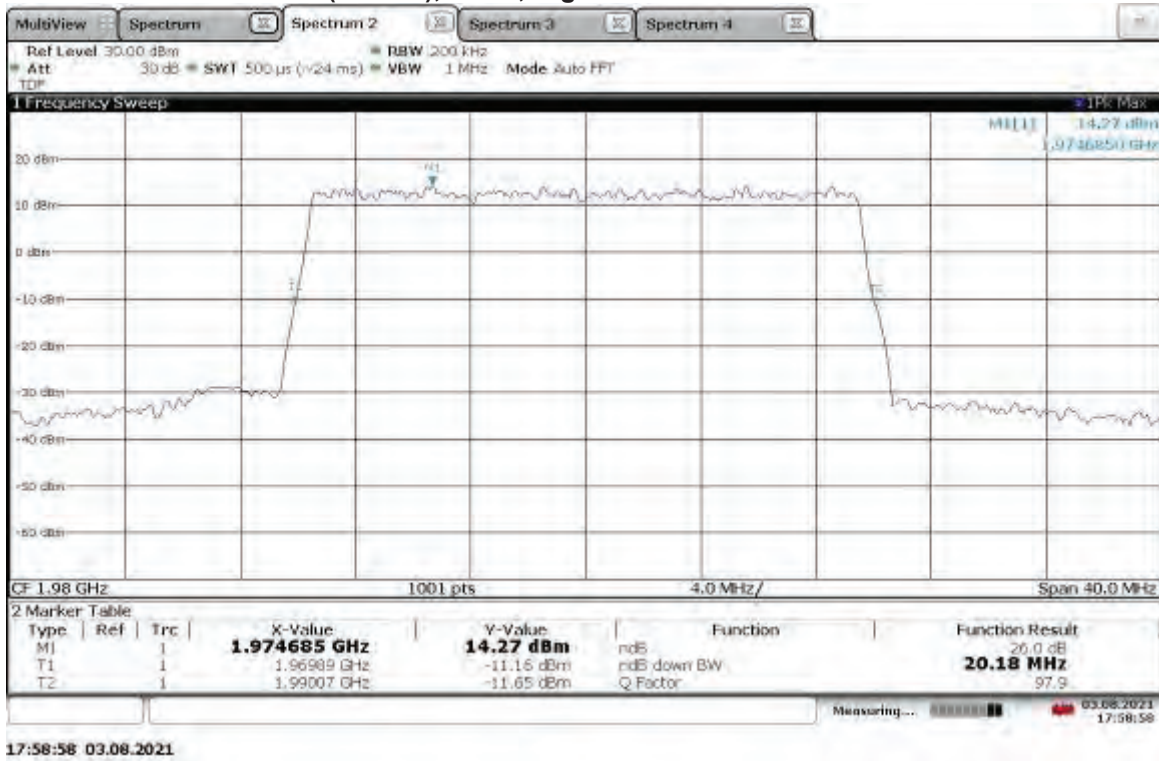
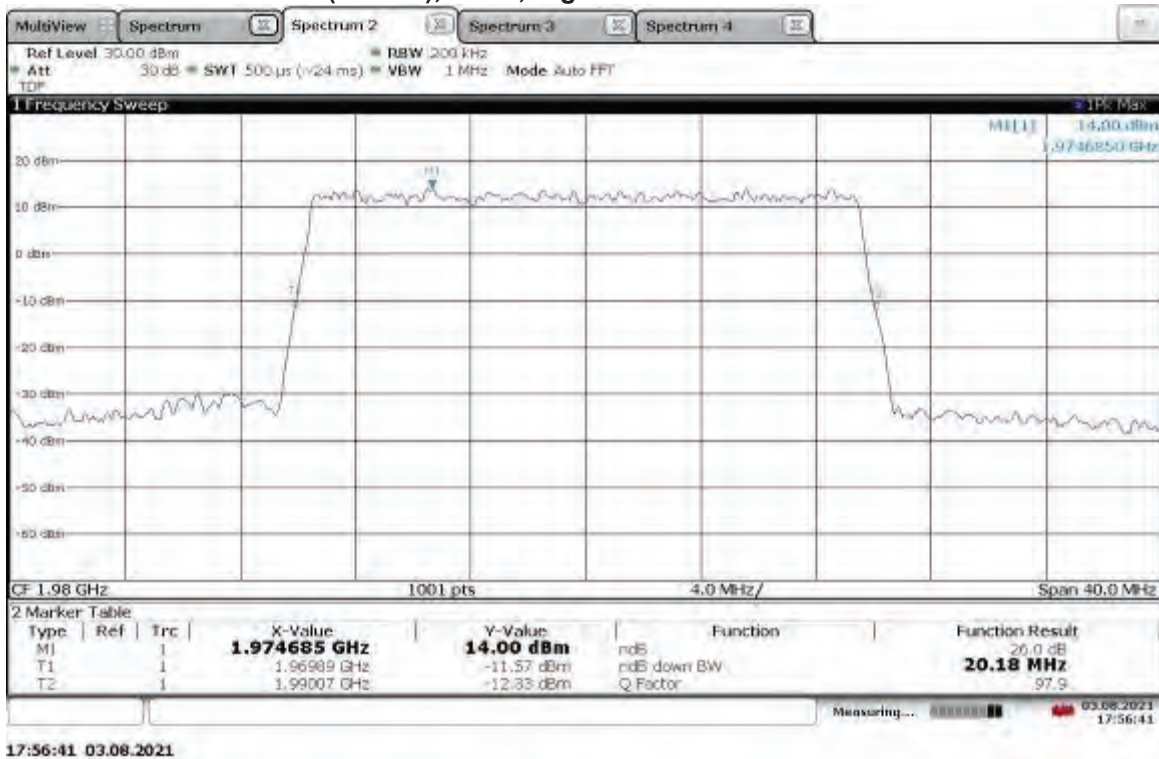


TM1.1-QPSK_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel 26dB Bandwidth

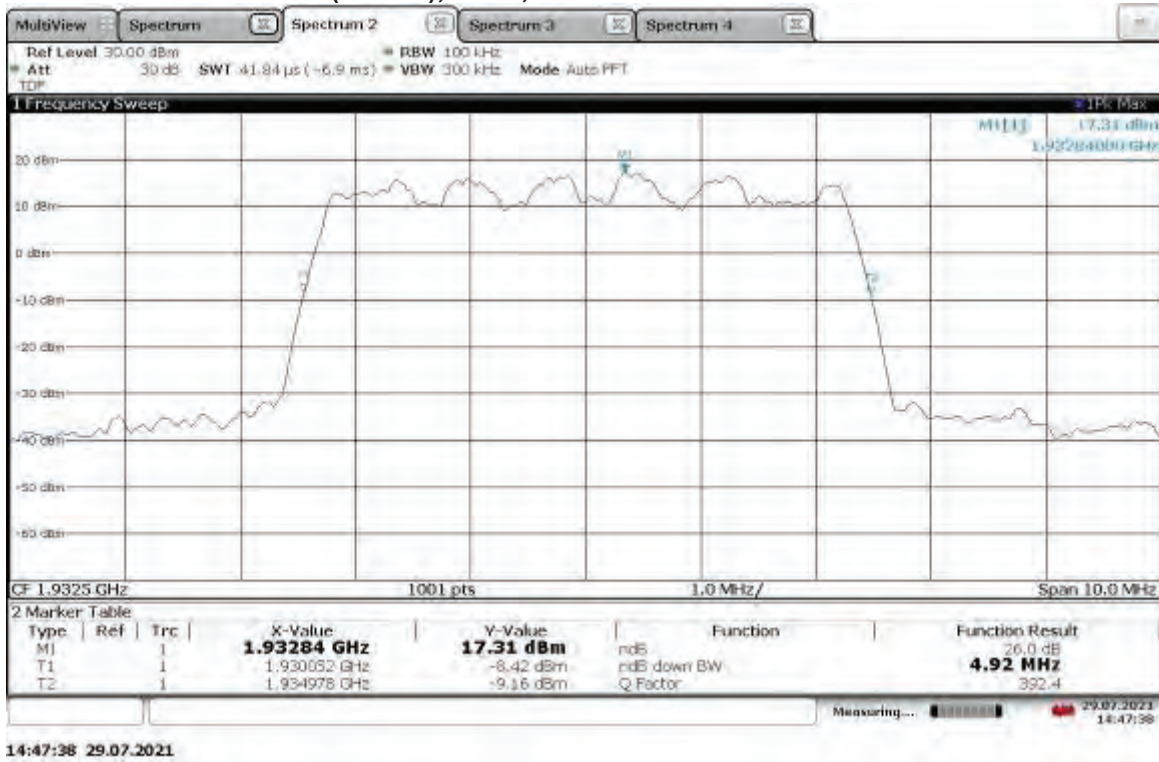


TM1.1-QPSK_20 MHz Bandwidth
Slot 2 (Band 2), ANT1, Mid Channel 26dB Bandwidth

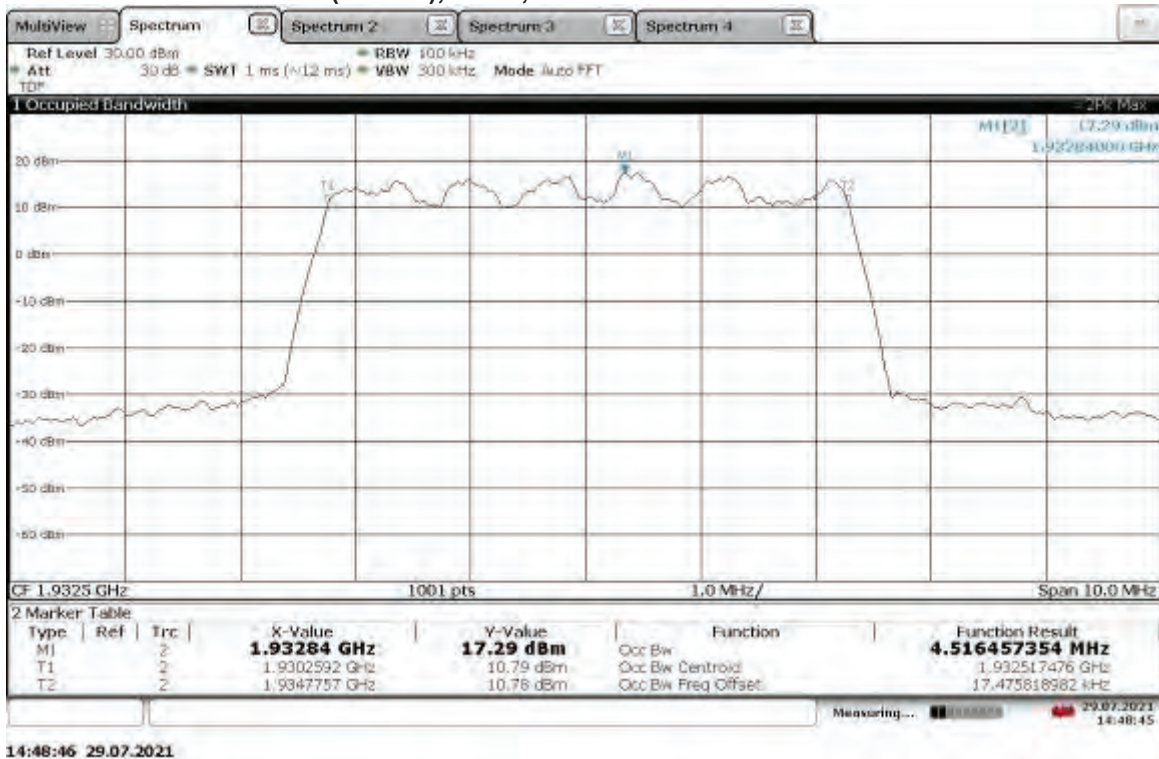


**TM1.1-QPSK_20 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel 26dB Bandwidth****TM1.1-QPSK_20 MHz Bandwidth
Slot 2 (Band 2), ANT1, High Channel 26dB Bandwidth**

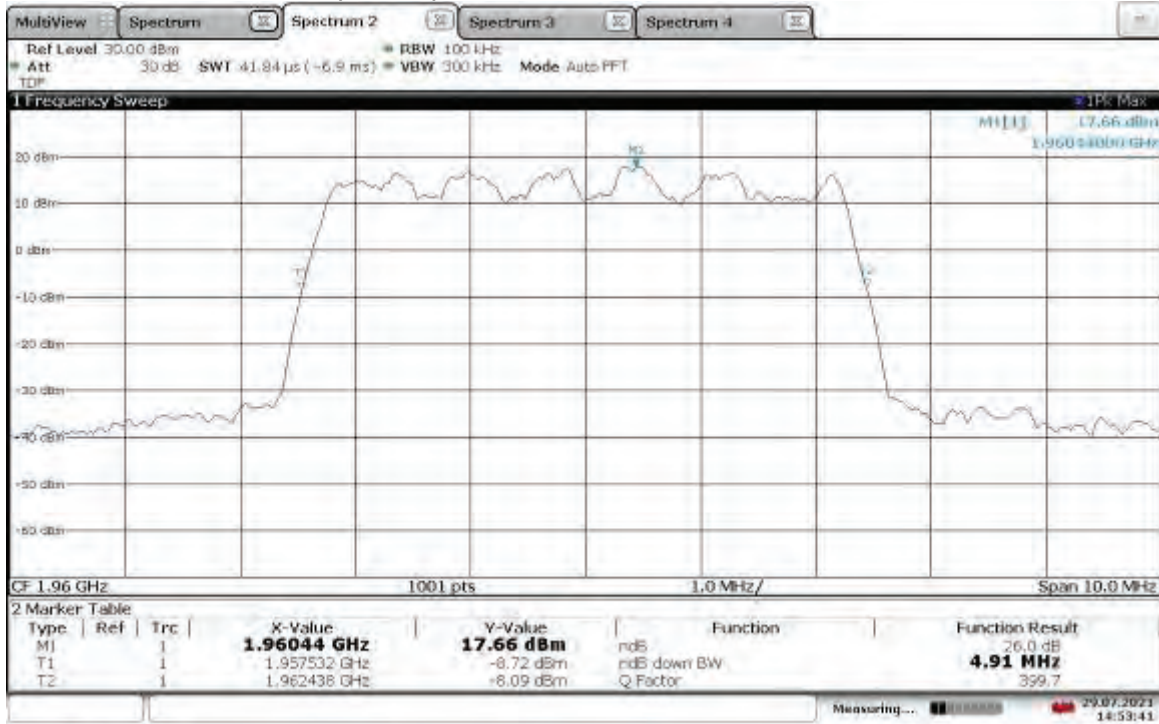
TM3.2-16QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel 26dB Bandwidth



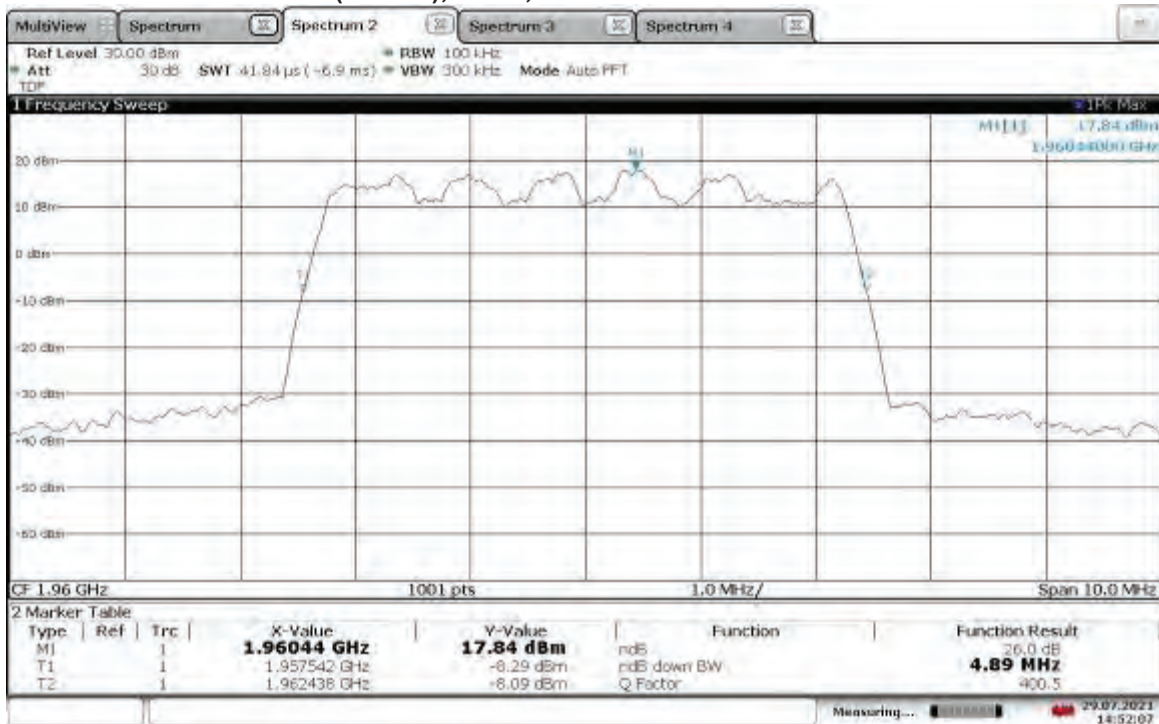
TM3.2-16QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel 26dB Bandwidth



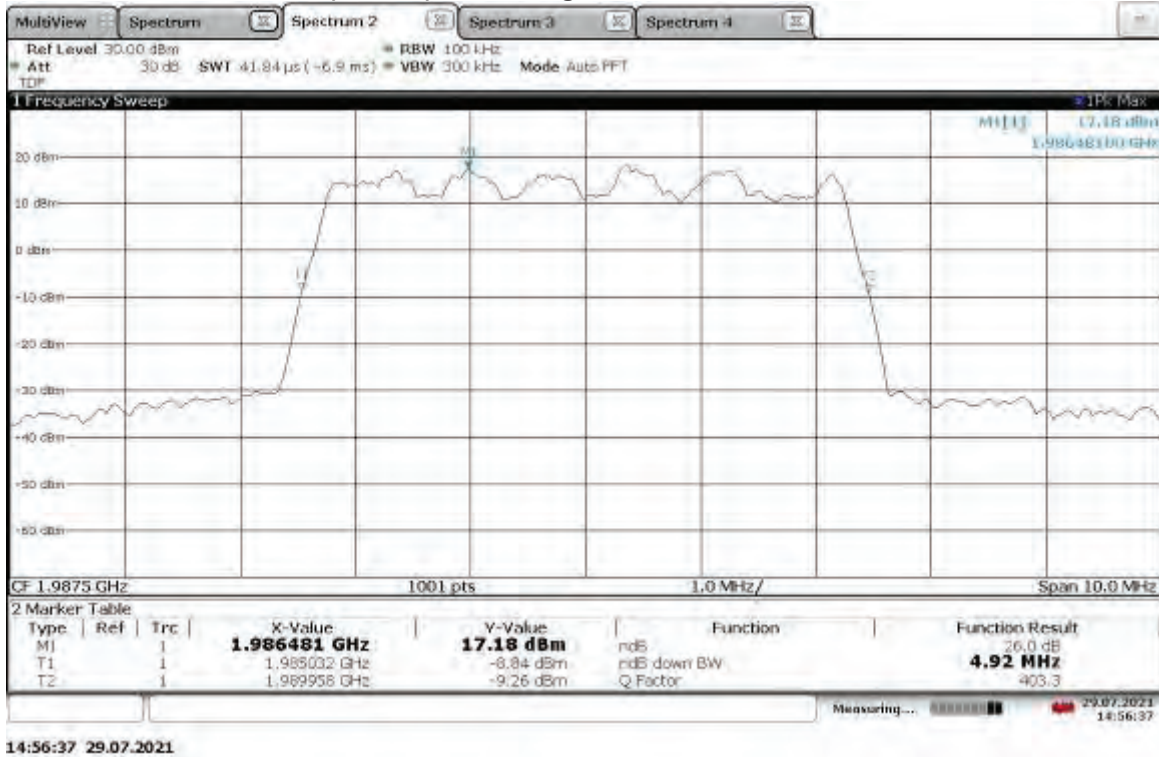
TM3.2-16QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel 26dB Bandwidth



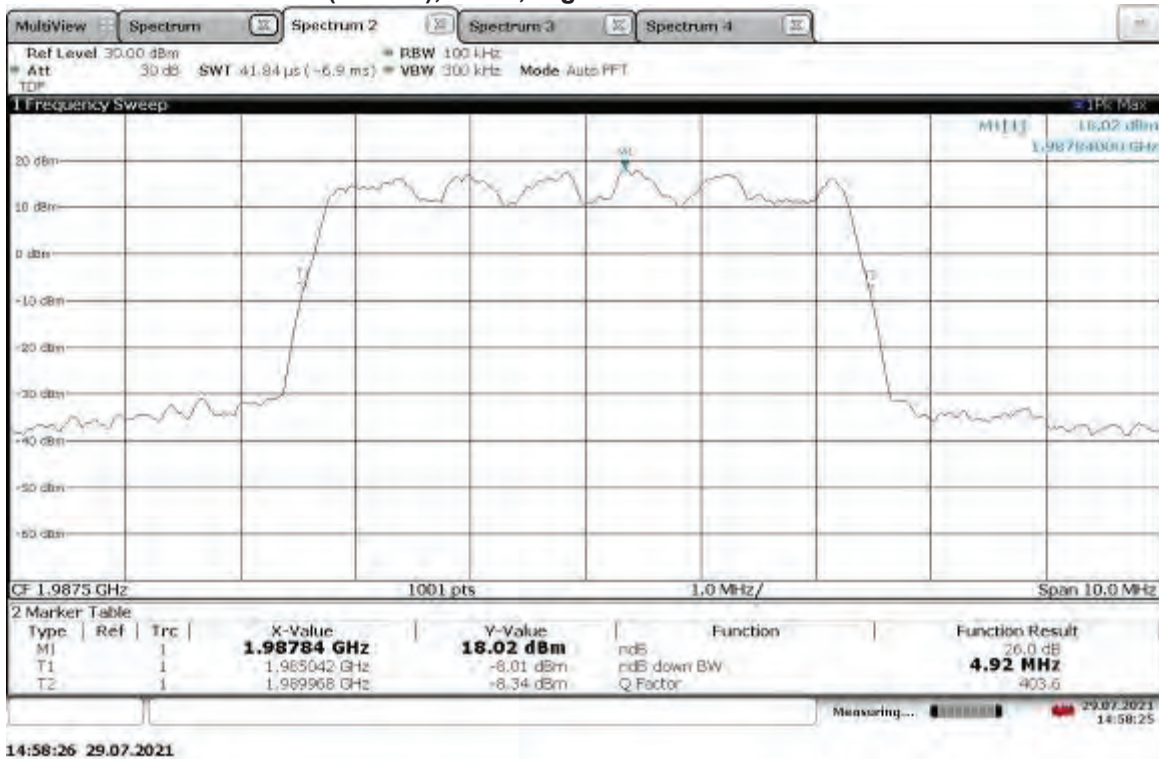
TM3.2-16QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT1, Mid Channel 26dB Bandwidth



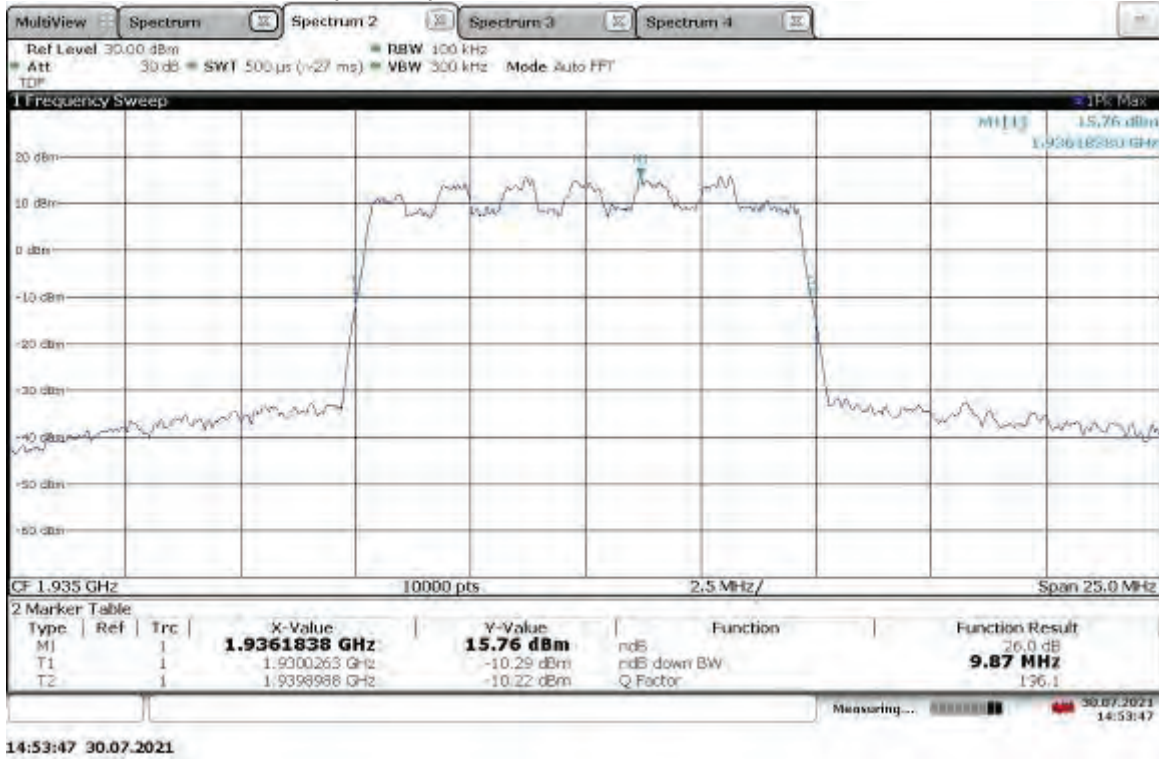
TM3.2-16QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT0, High Channel 26dB Bandwidth



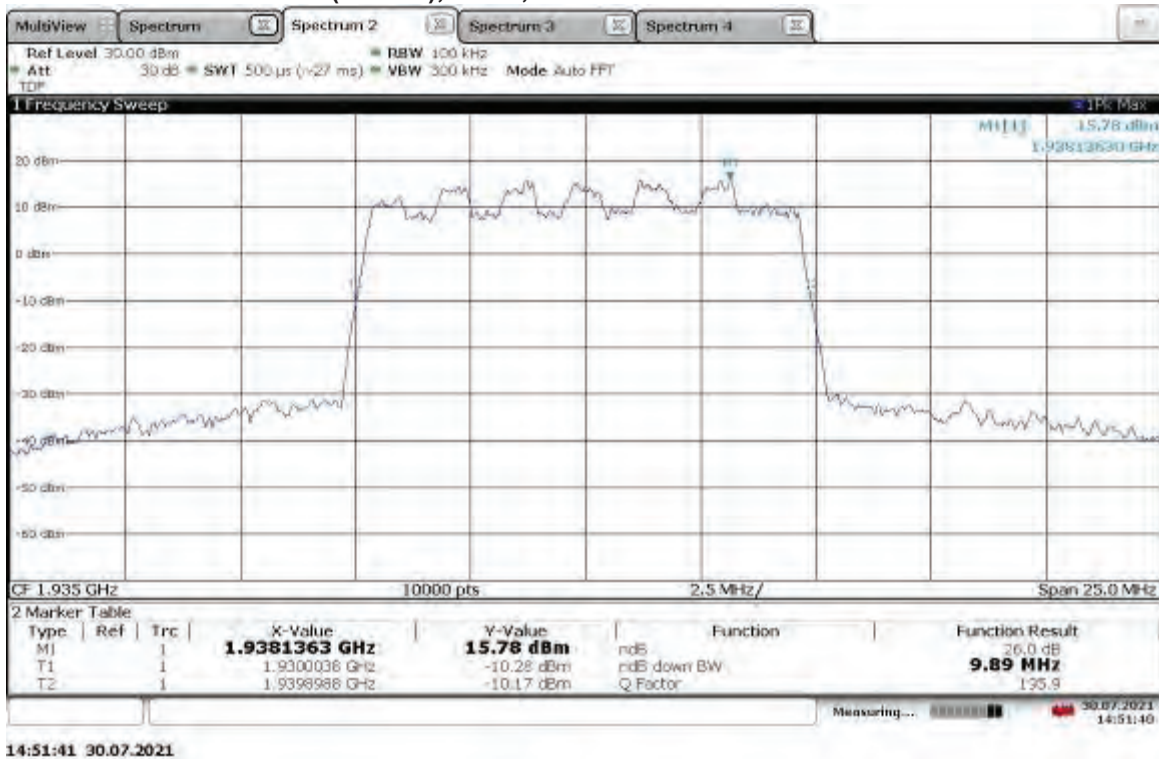
TM3.2-16QAM_5 MHz Bandwidth
Slot 2 (Band 2), ANT1, High Channel 26dB Bandwidth



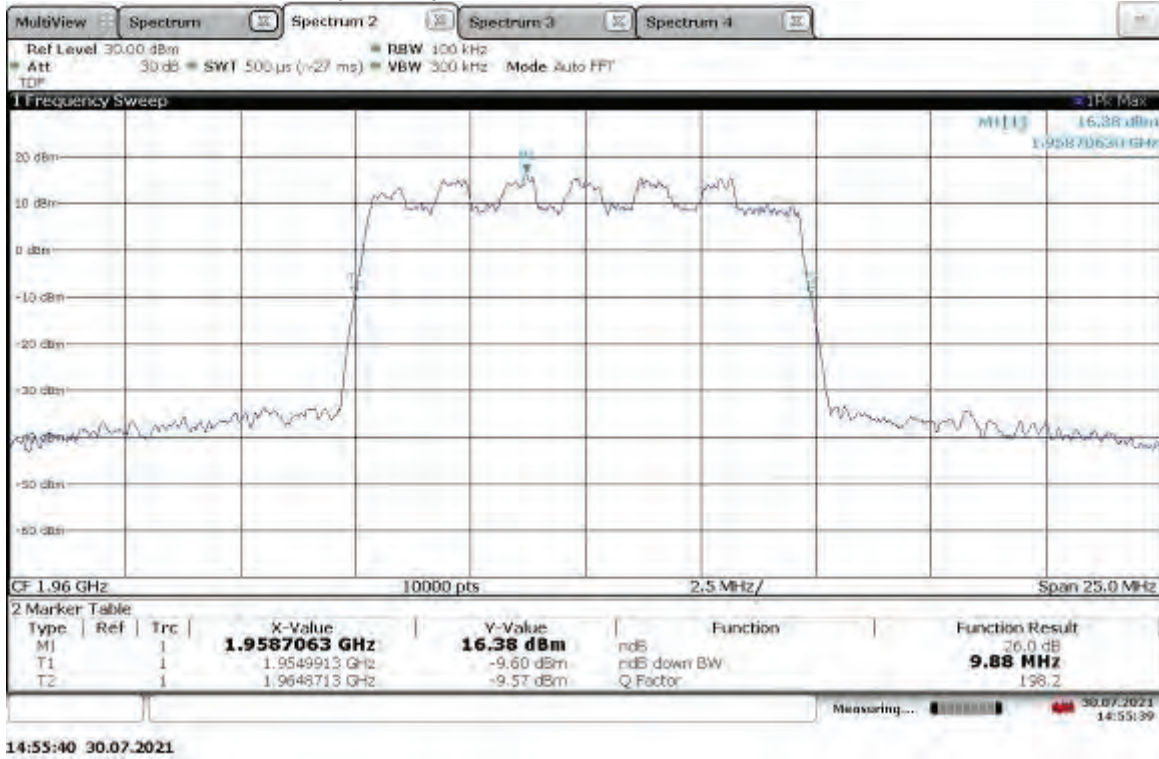
TM3.2-16QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT0, Low Channel 26dB Bandwidth



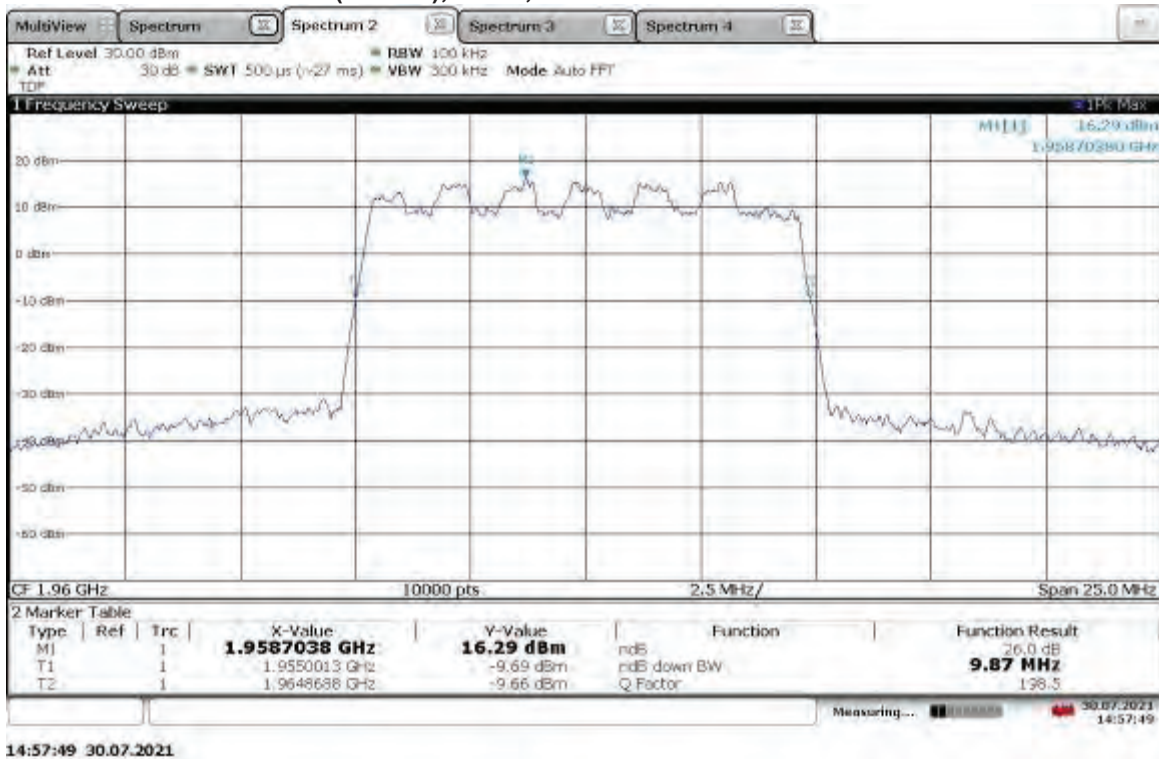
TM3.2-16QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT1, Low Channel 26dB Bandwidth



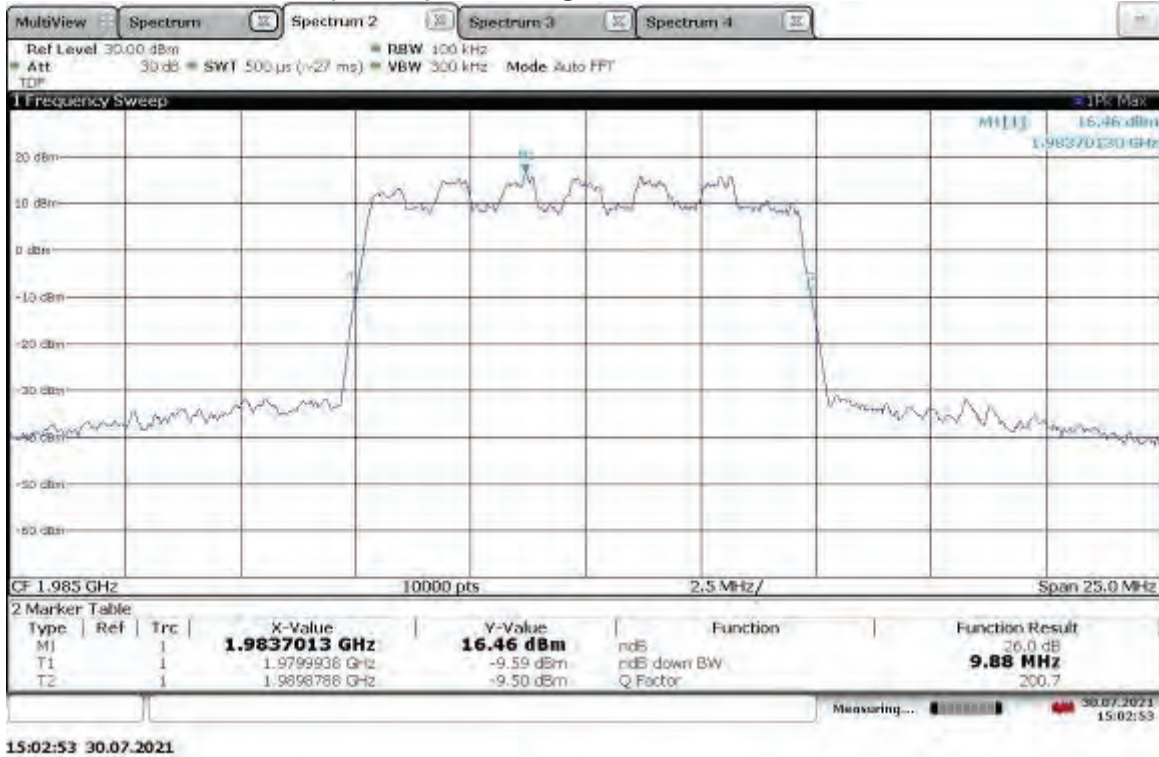
TM3.2-16QAM_10 MHz Bandwidth
Slot 2 (Band 2), ANT0, Mid Channel 26dB Bandwidth



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



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



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

