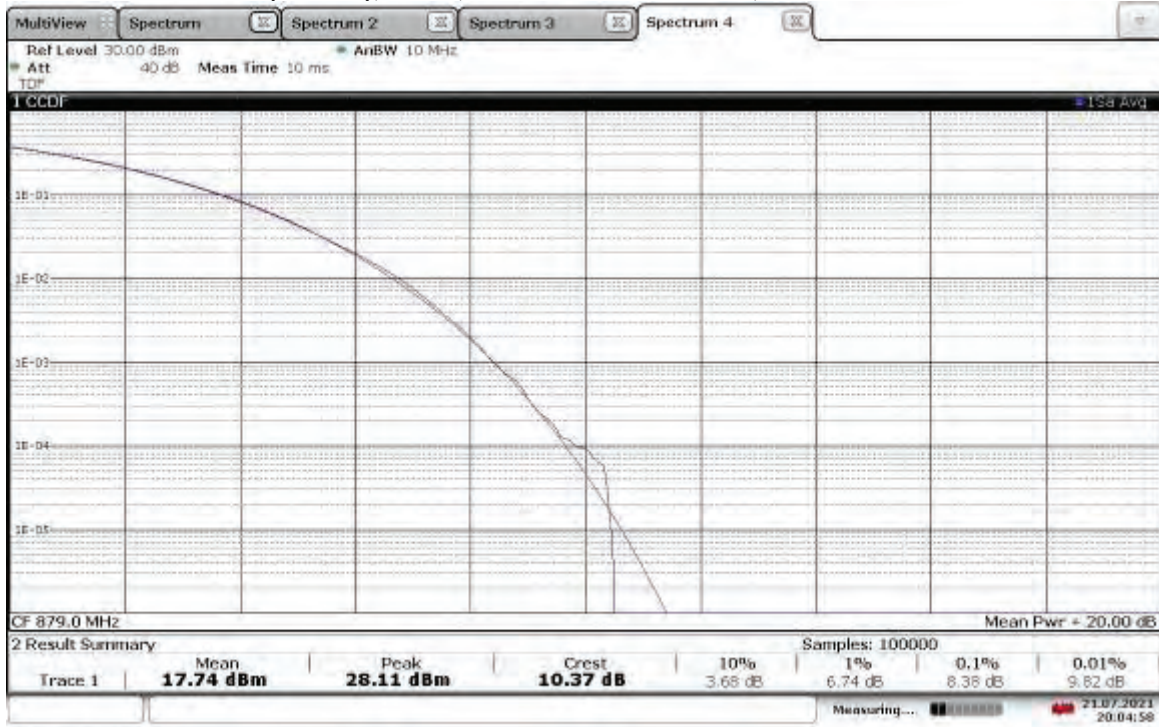
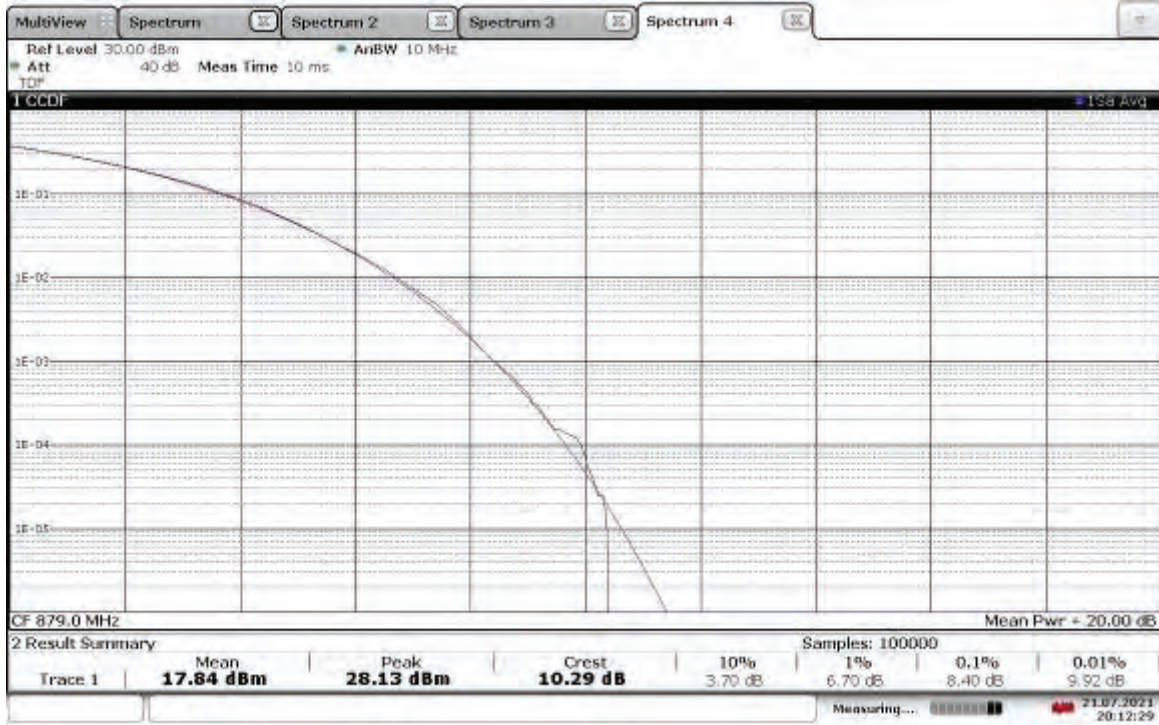


TM3.1-64QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel 879 MHz, PAPR = 10.37 dB

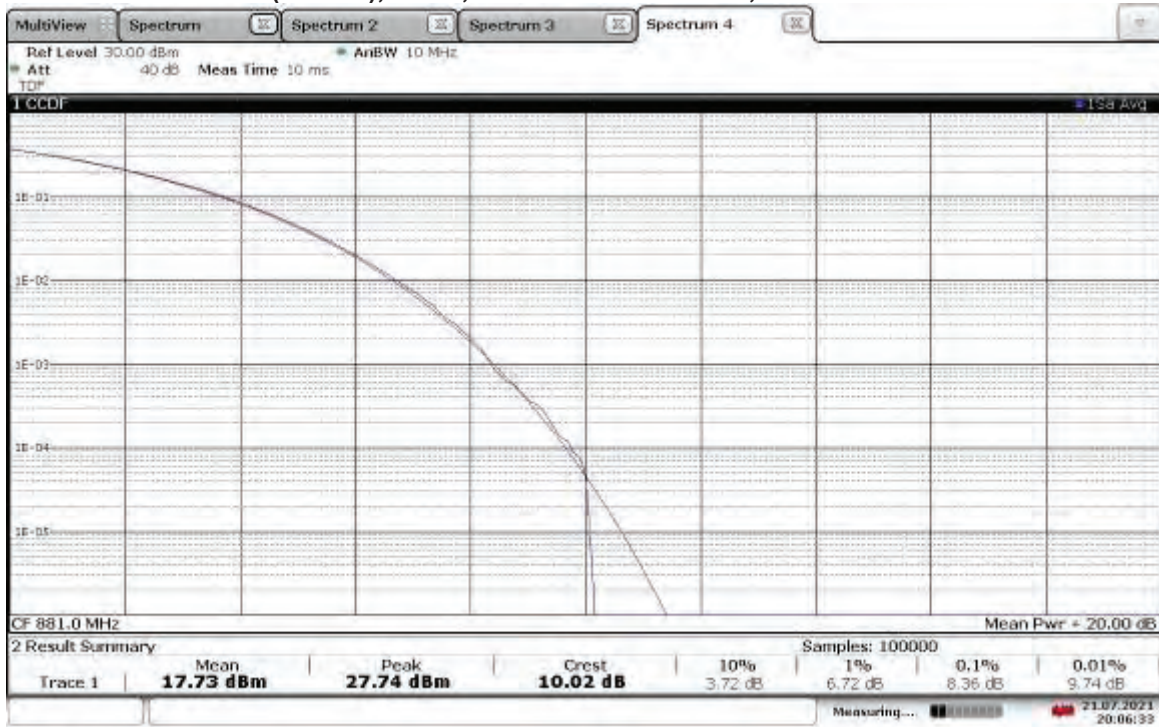


20:04:58 21.07.2021

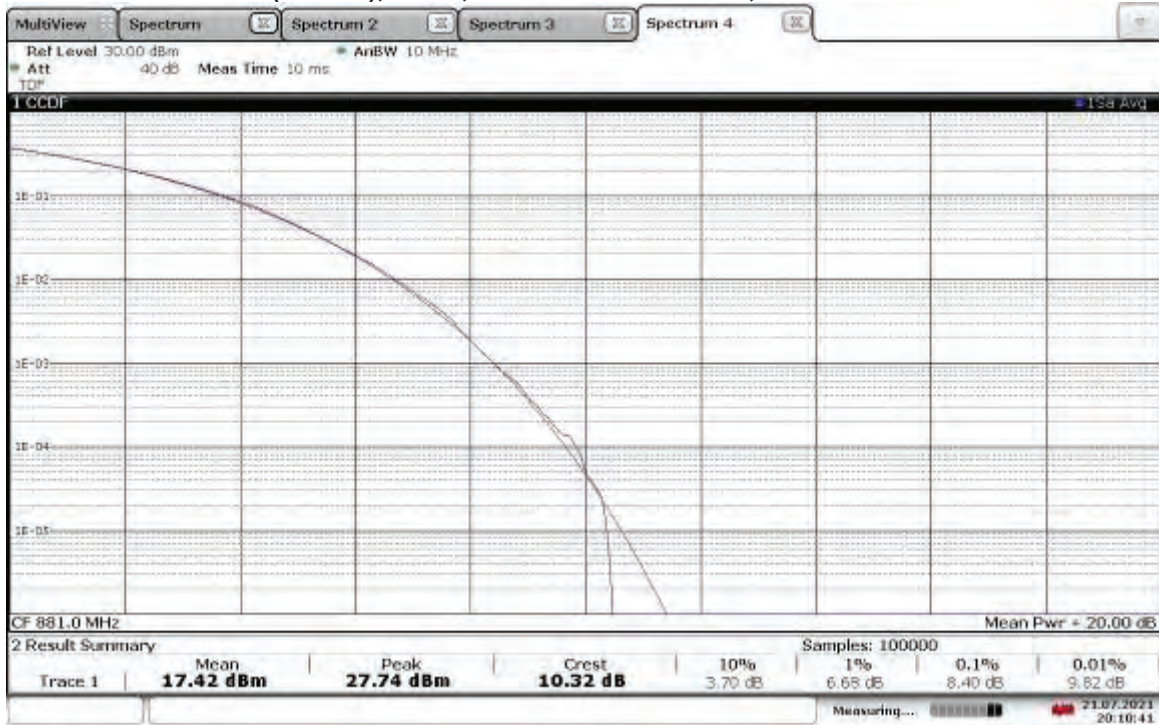
TM3.1-64QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel 879 MHz, PAPR = 10.29 dB



20:12:29 21.07.2021

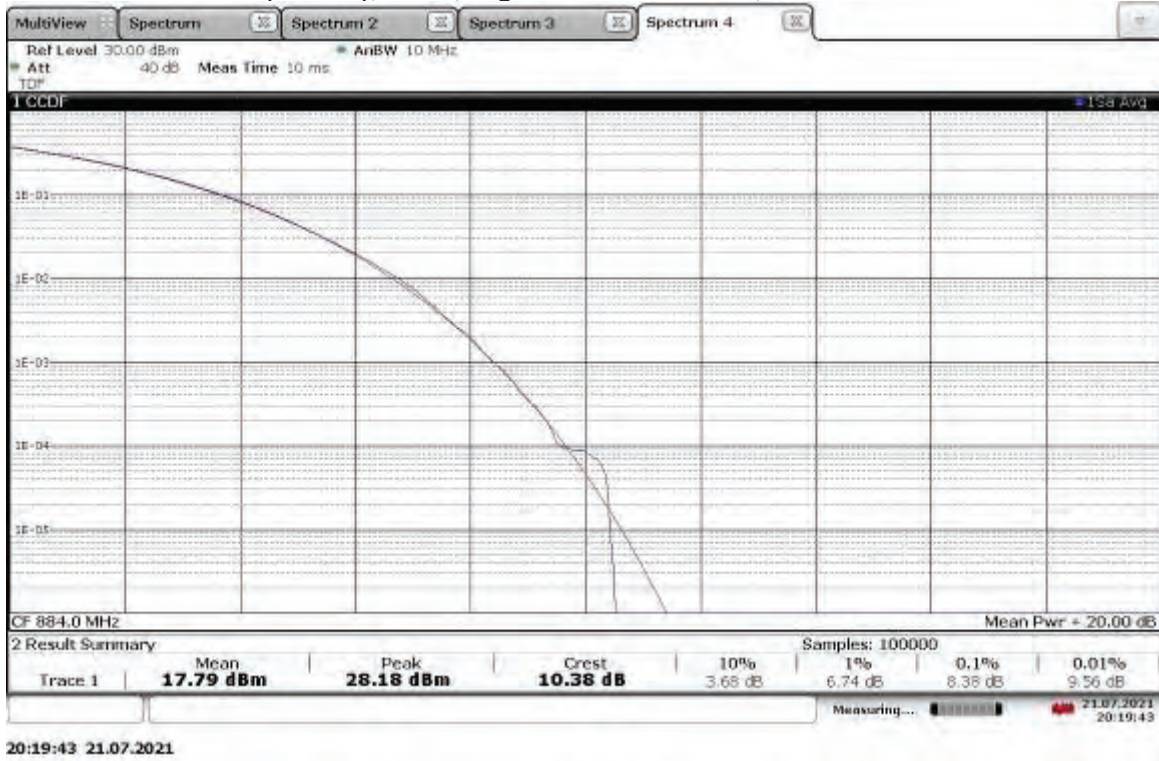
TM3.1-64QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel 879 MHz, PAPR = 10.02 dB

20:06:33 21.07.2021

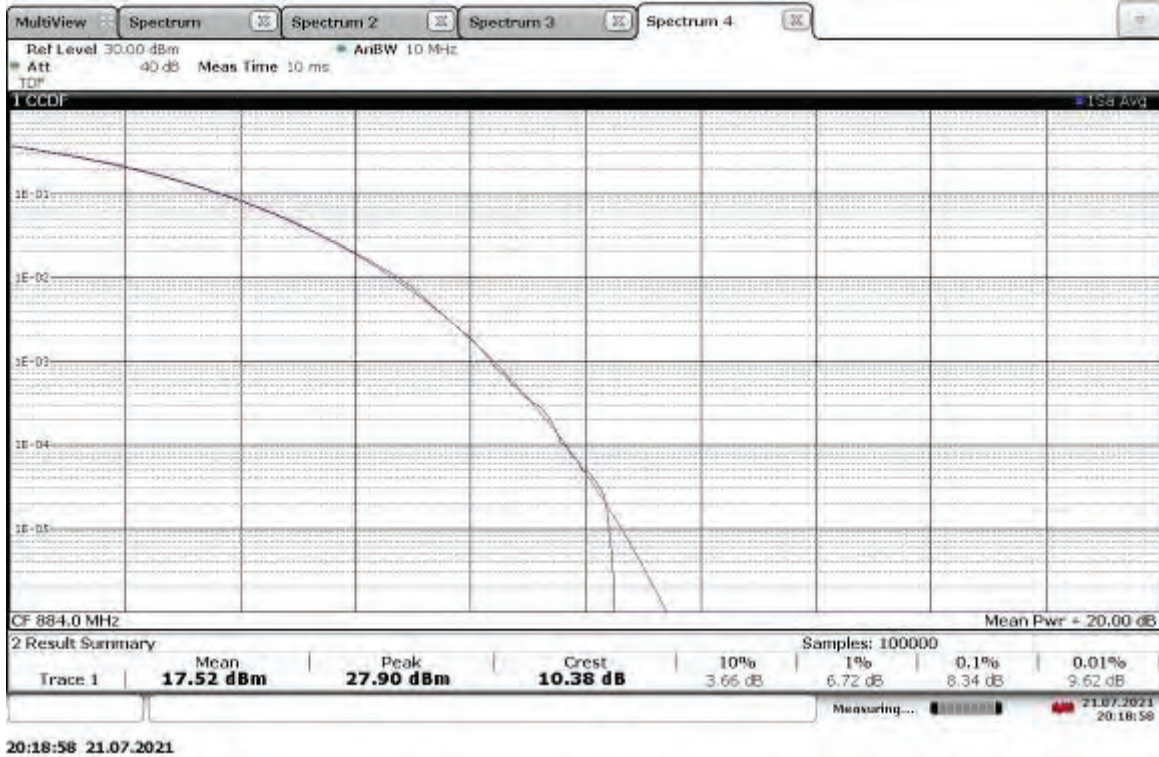
TM3.1-64QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel 879 MHz, PAPR = 10.32 dB

20:10:41 21.07.2021

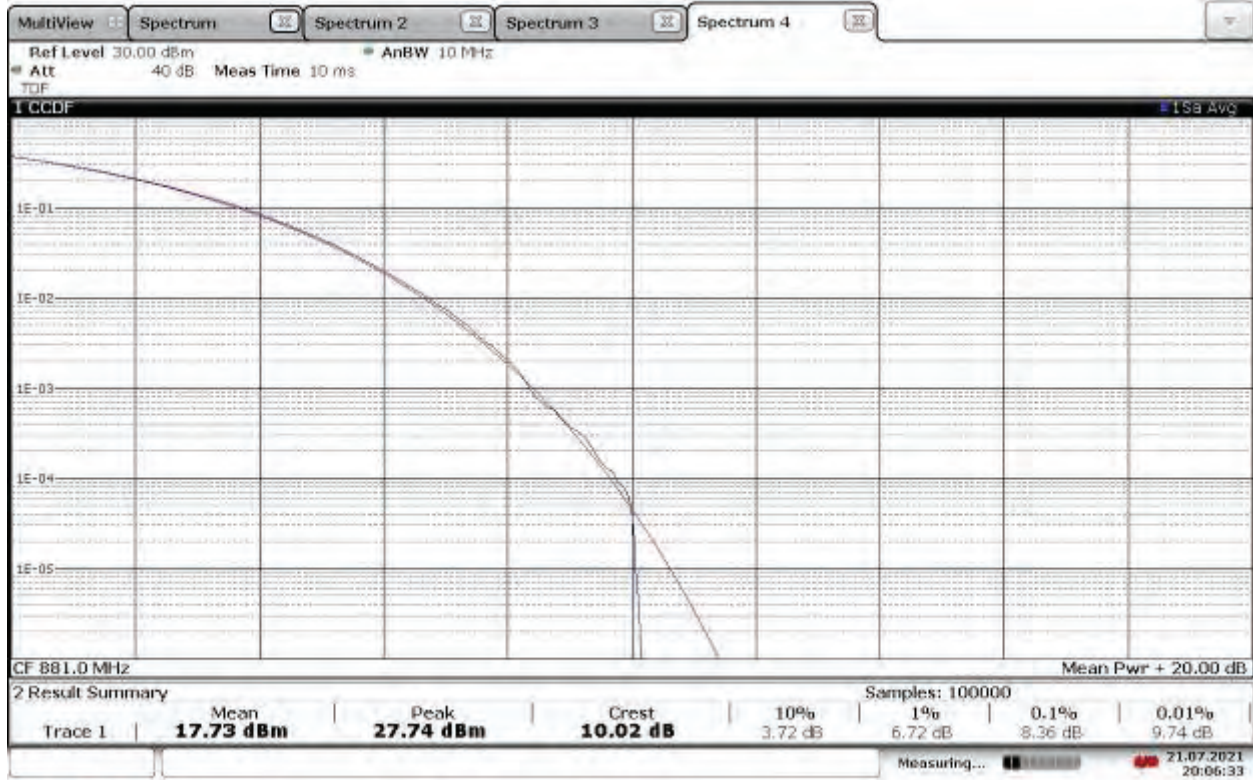
TM3.1-64QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel 884 MHz, PAPR = 10.38 dB



TM3.1-64QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel 884 MHz, PAPR = 10.38 dB

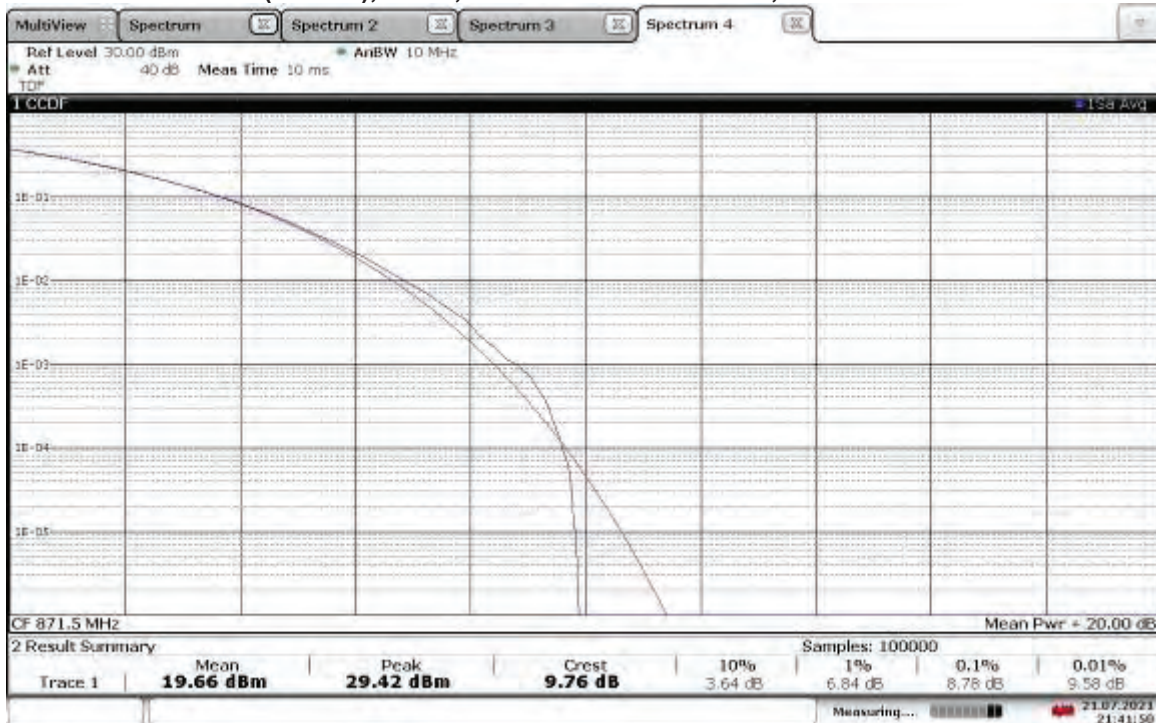


TM3.1a-256QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel 871.5 MHz, PAPR = 10.22 dB



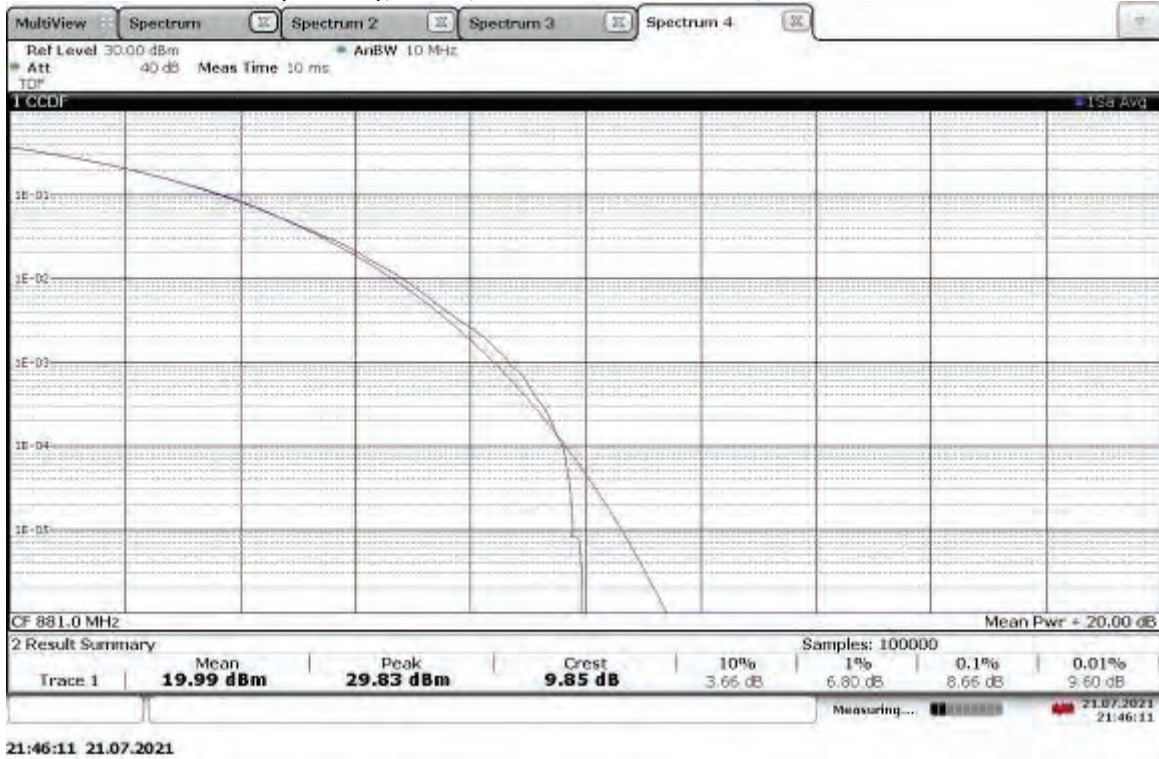
20:06:33 21.07.2021

TM3.1a-256QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel 871.5 MHz, PAPR = 9.76 dB

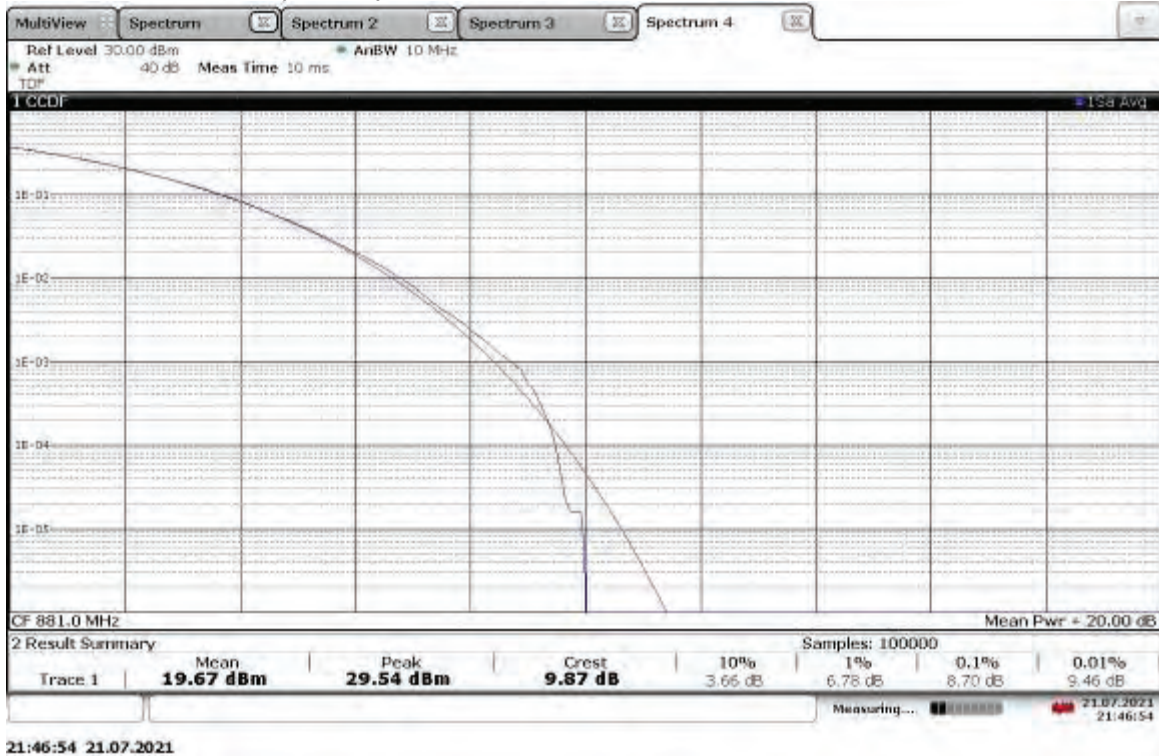


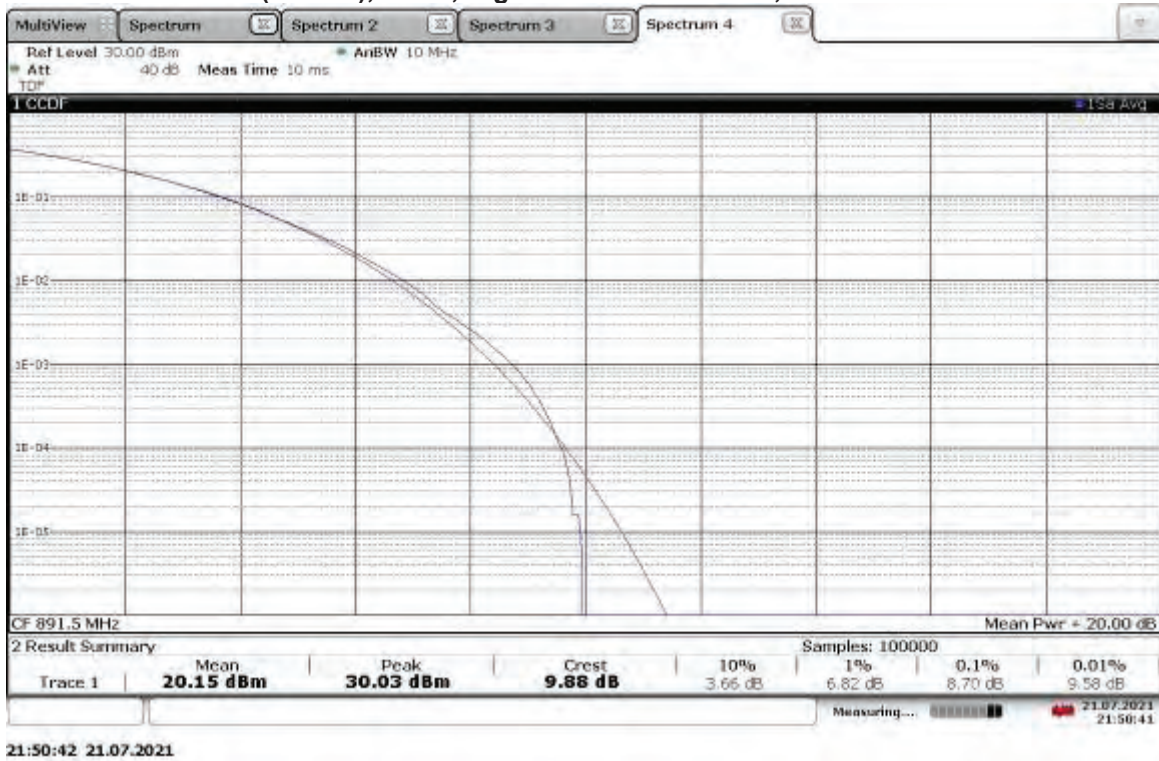
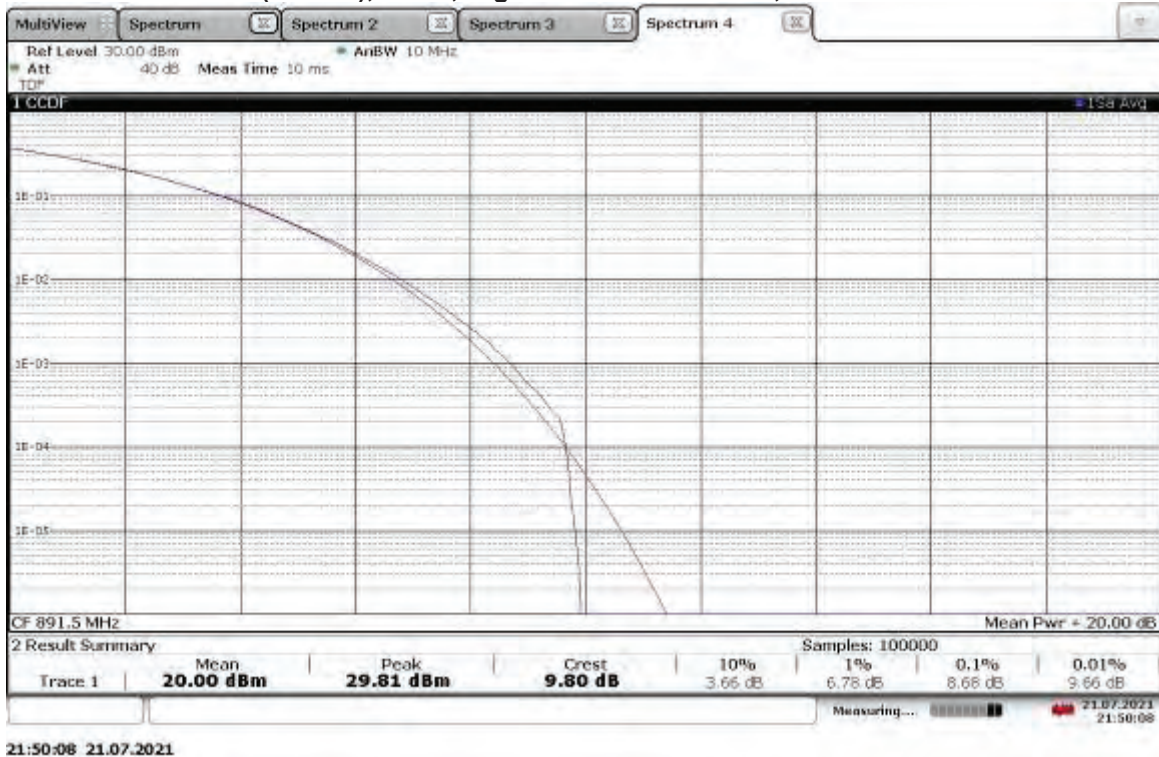
21:41:50 21.07.2021

TM3.1a-256QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel 881 MHz, PAPR = 9.85 dB

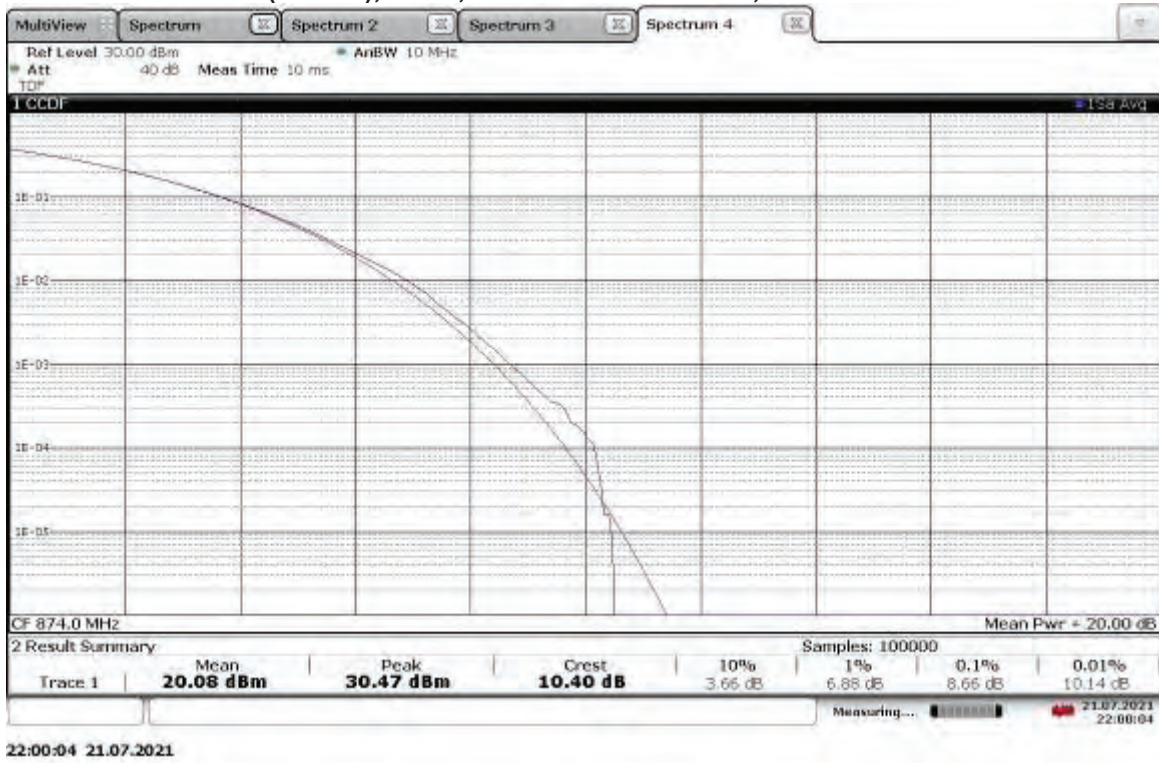


TM3.1a-256QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel 881 MHz, PAPR = 9.87 dB

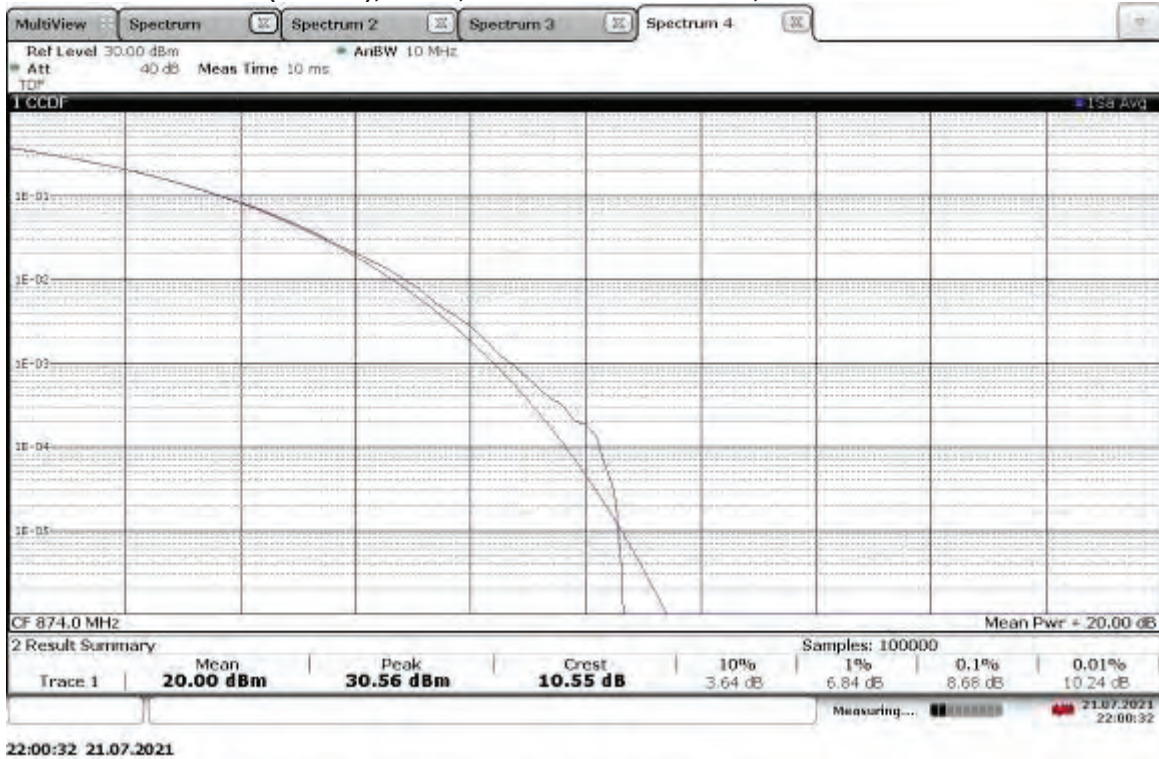


TM3.1a-256QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel 891.5 MHz, PAPR = 9.88 dB**TM3.1a-256QAM_5 MHz Bandwidth**
Slot 0 (Band 5), ANT1, High Channel 891.5 MHz, PAPR = 9.80 dB

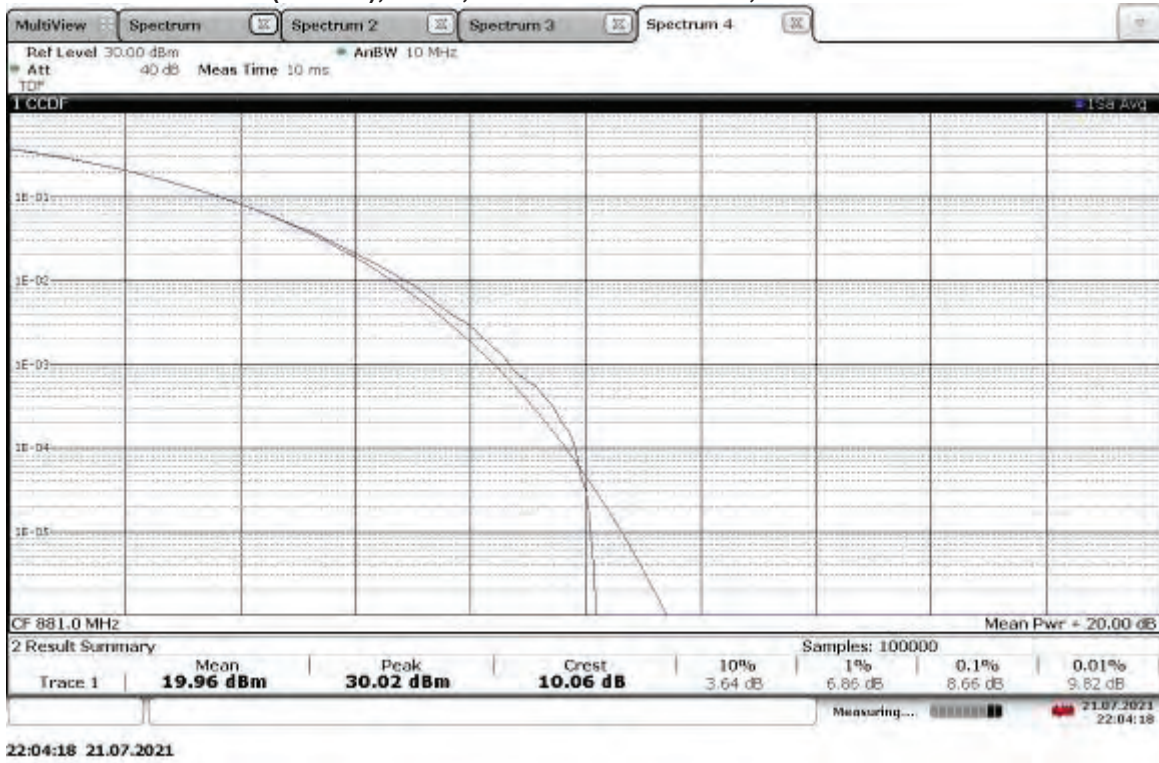
TM3.1a-256QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel 874 MHz, PAPR = 10.40 dB



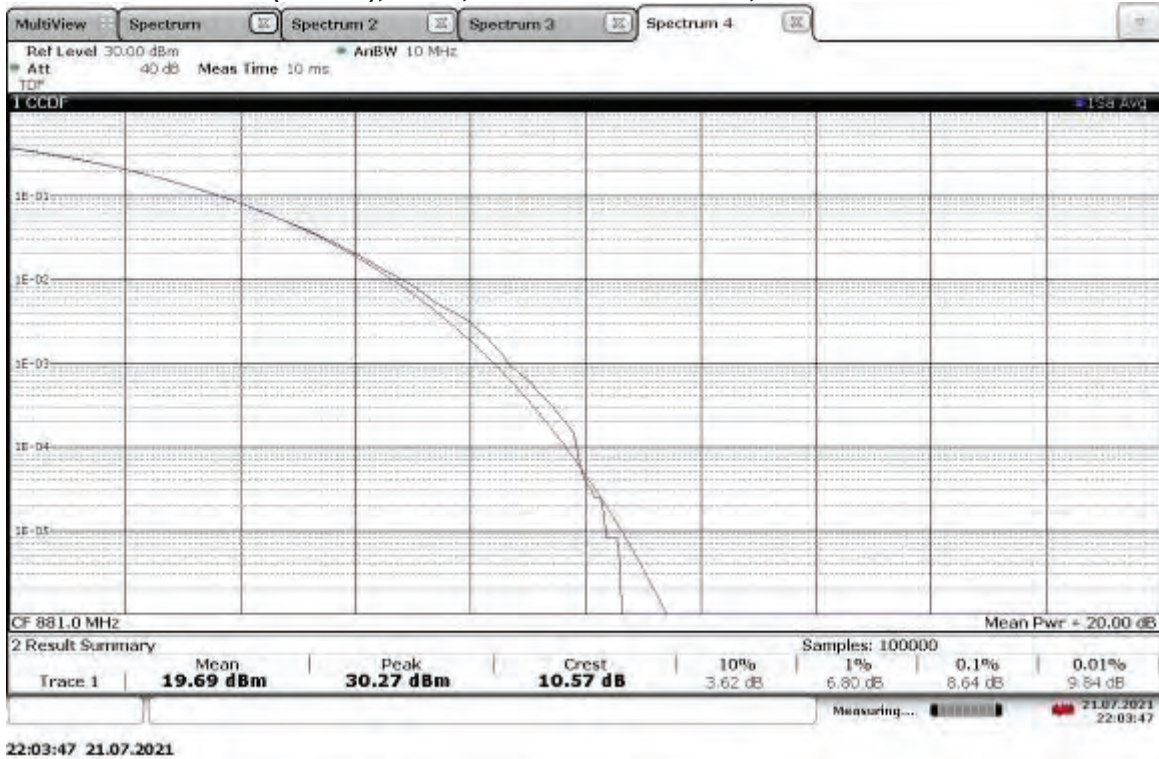
TM3.1a-256QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel 874 MHz, PAPR = 10.55 dB

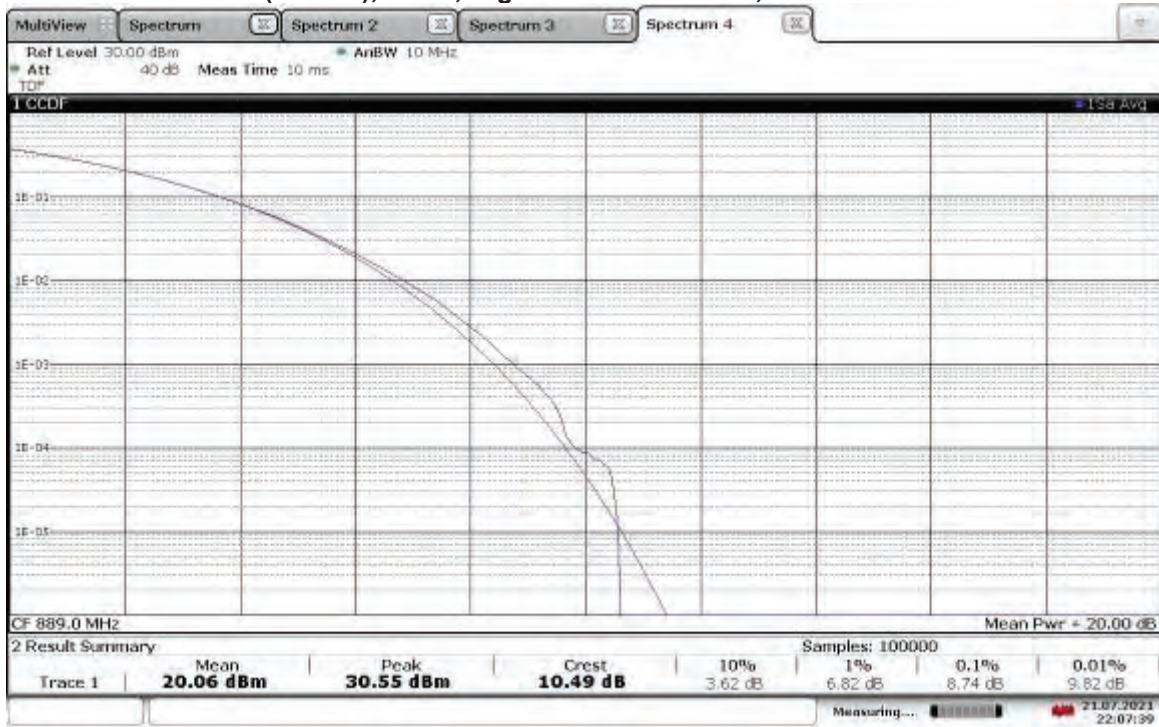


TM3.1a-256QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel 881 MHz, PAPR = 10.06 dB

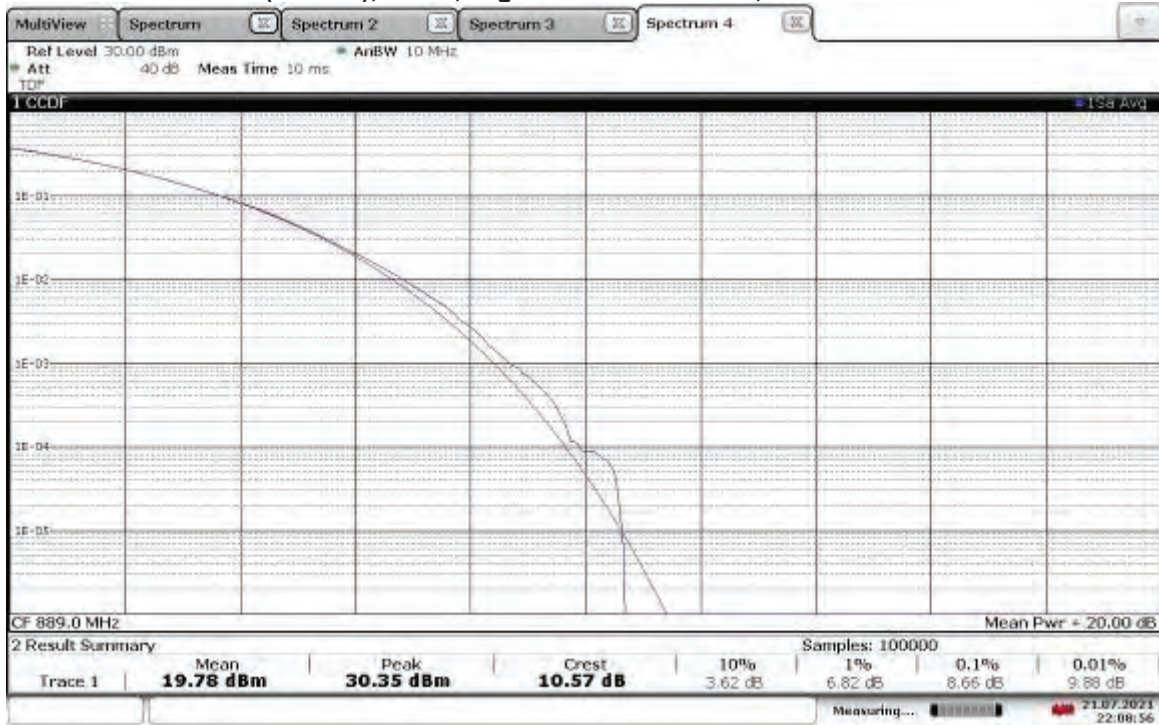


TM3.1a-256QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel 881 MHz, PAPR = 10.57 dB



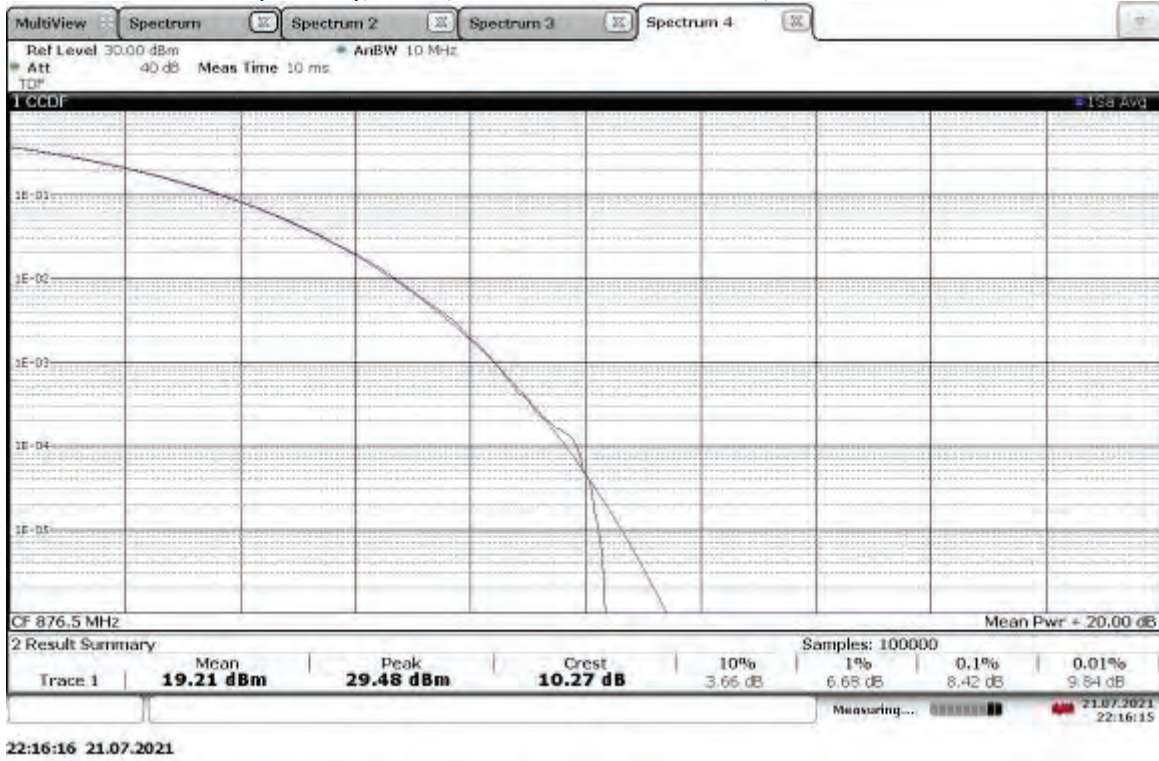
TM3.1a-256QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel 889 MHz, PAPR = 10.49 dB

22:07:40 21.07.2021

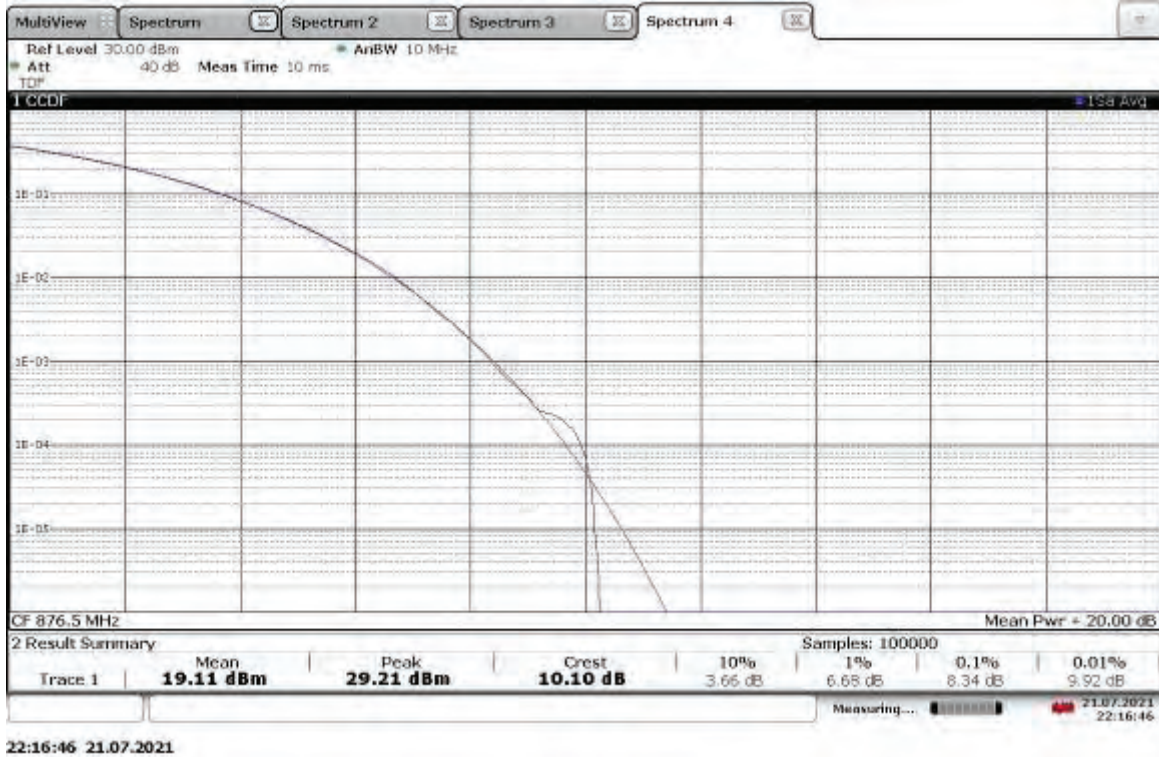
TM3.1a-256QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel 889 MHz, PAPR = 10.57 dB

22:08:56 21.07.2021

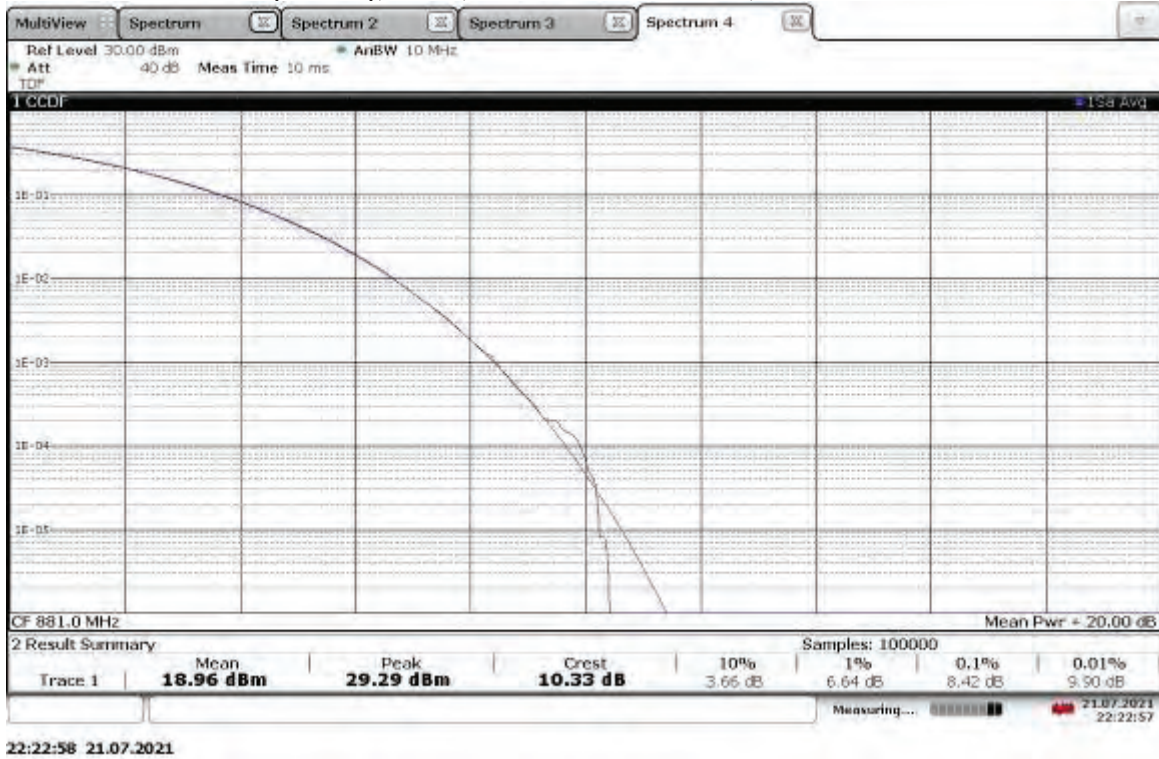
TM3.1a-256QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel 876.5 MHz, PAPR = 10.27 dB



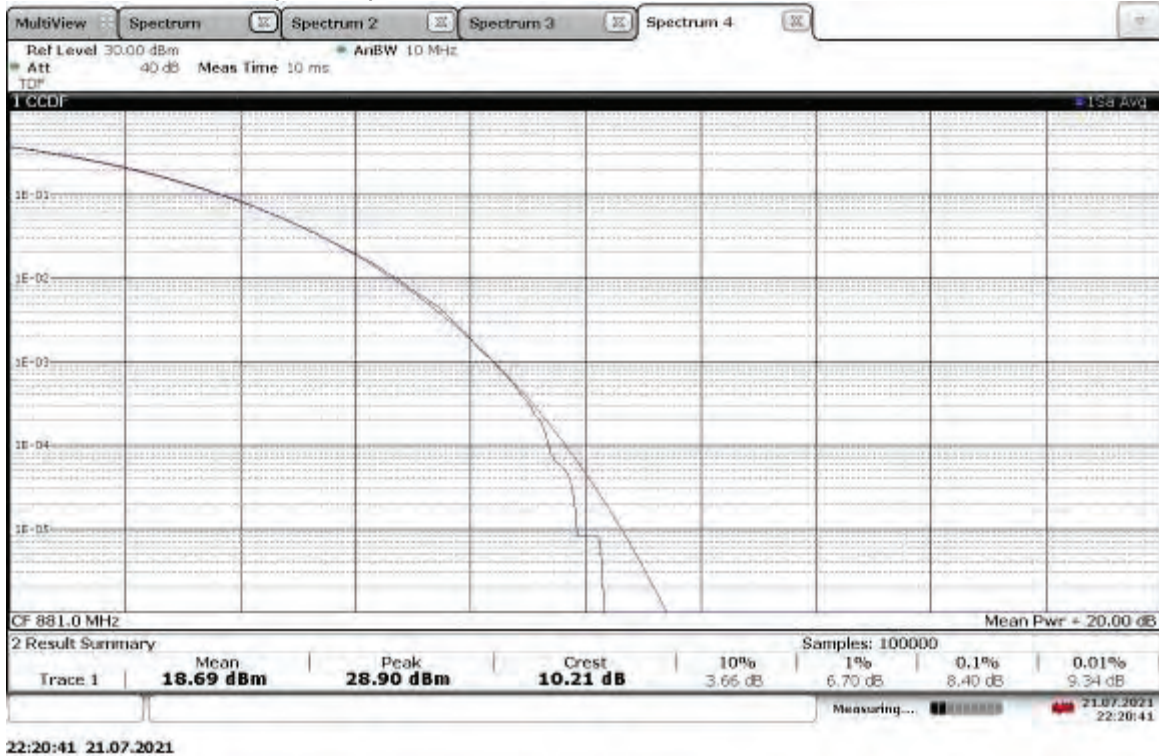
TM3.1a-256QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel 876.5 MHz, PAPR = 10.10 dB

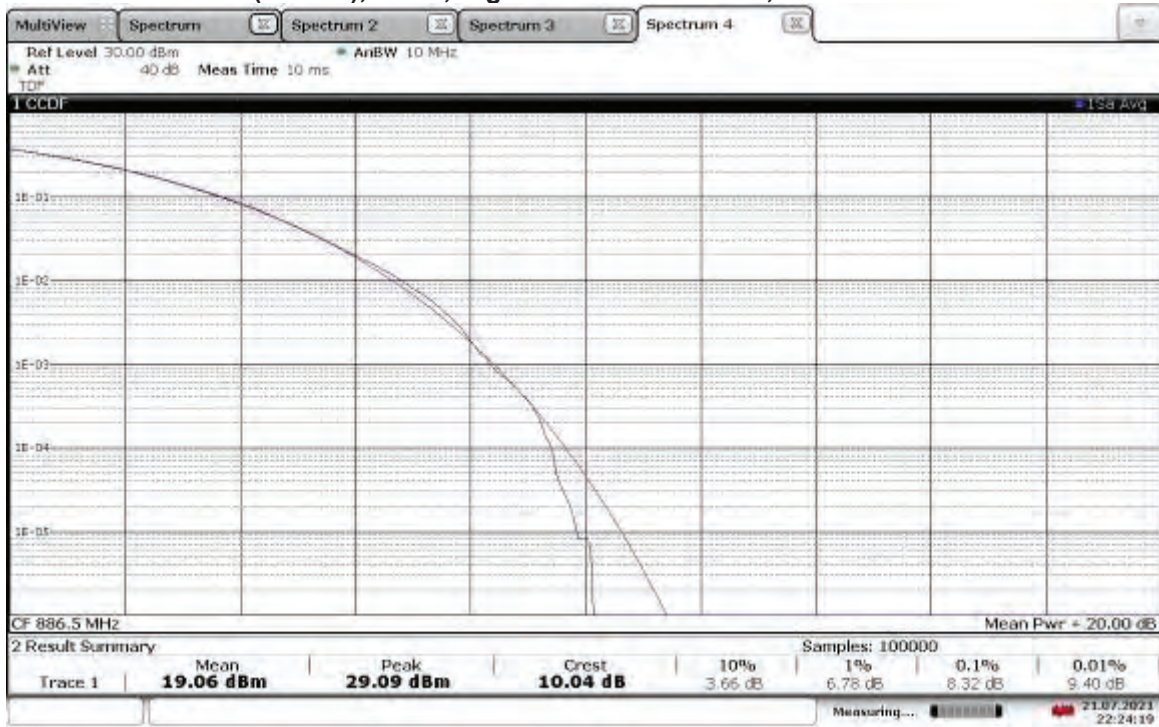


TM3.1a-256QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel 881 MHz, PAPR = 10.33 dB

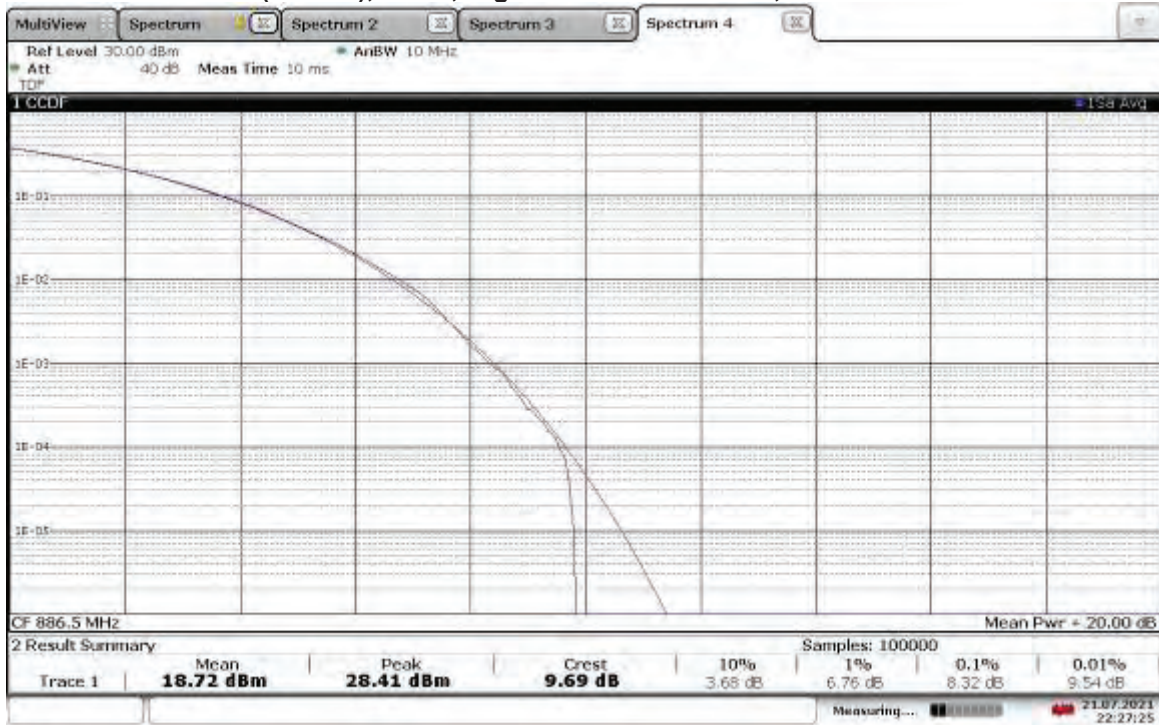


TM3.1a-256QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel 881 MHz, PAPR = 10.21 dB



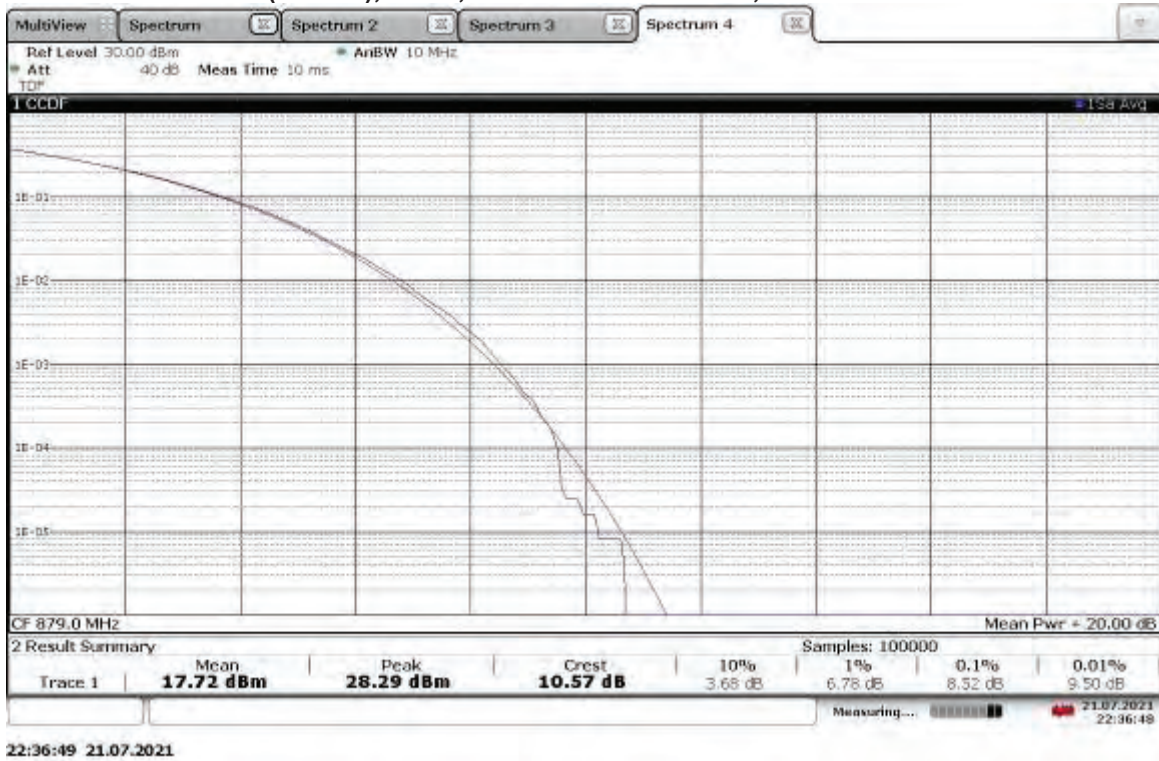
TM3.1a-256QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel 886.5 MHz, PAPR = 10.04 dB

22:24:20 21.07.2021

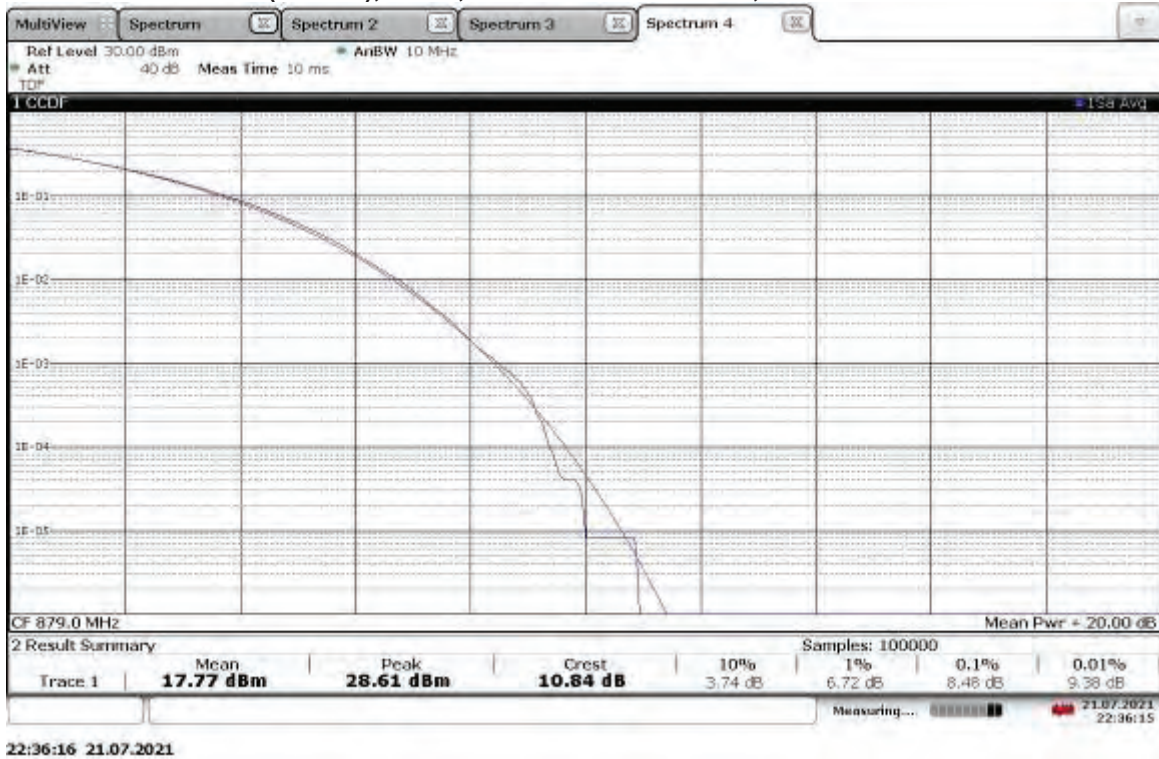
TM3.1a-256QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel 886.5 MHz, PAPR = 9.69 dB

22:27:26 21.07.2021

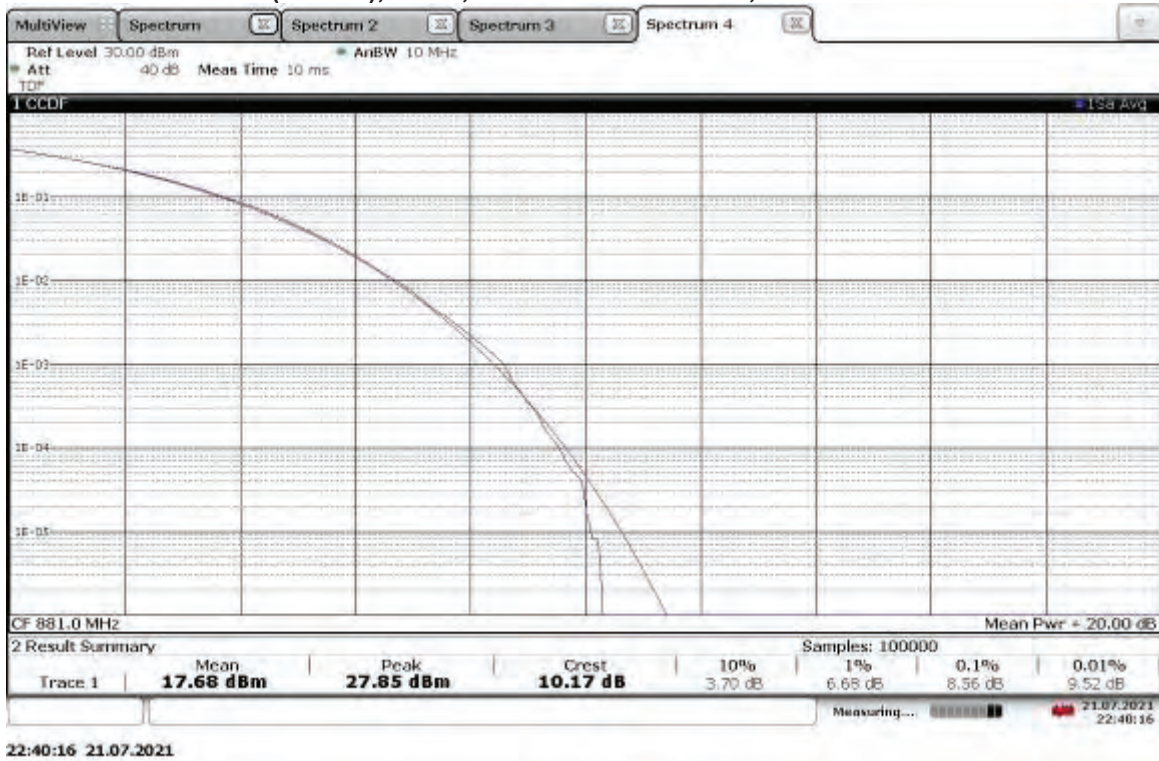
TM3.1a-256QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel 879 MHz, PAPR = 10.57 dB



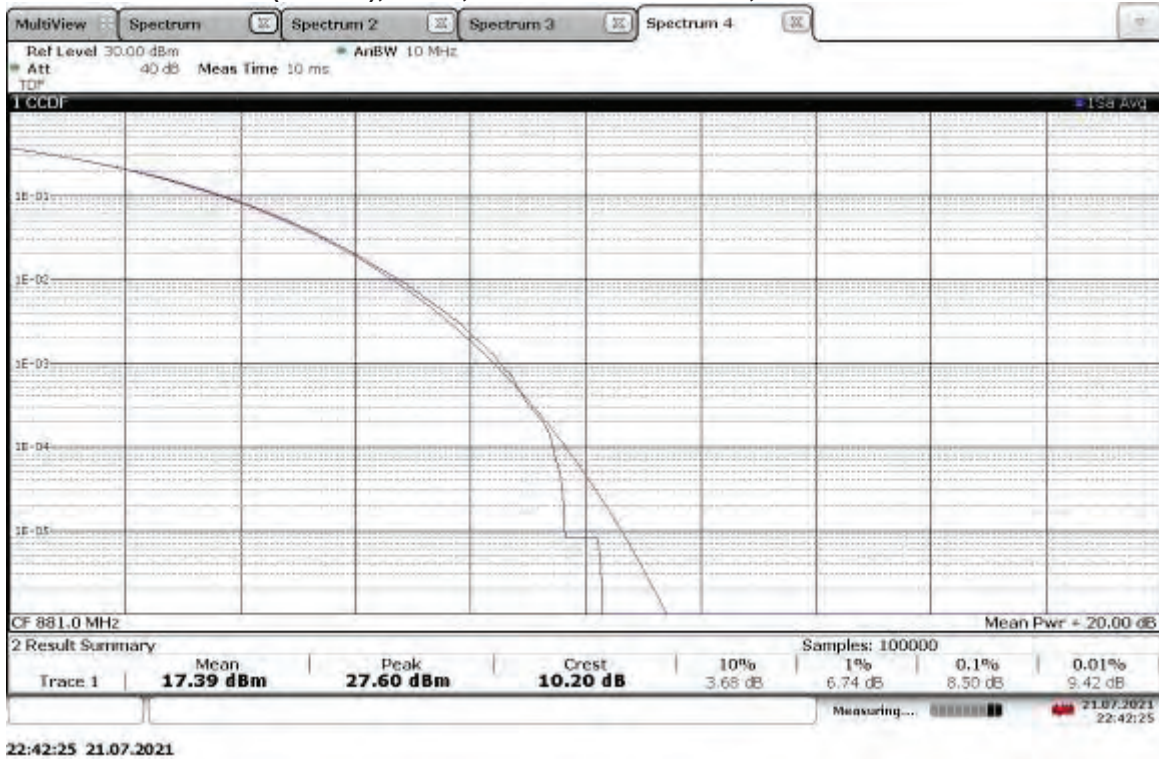
TM3.1a-256QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel 879 MHz, PAPR = 10.84 dB



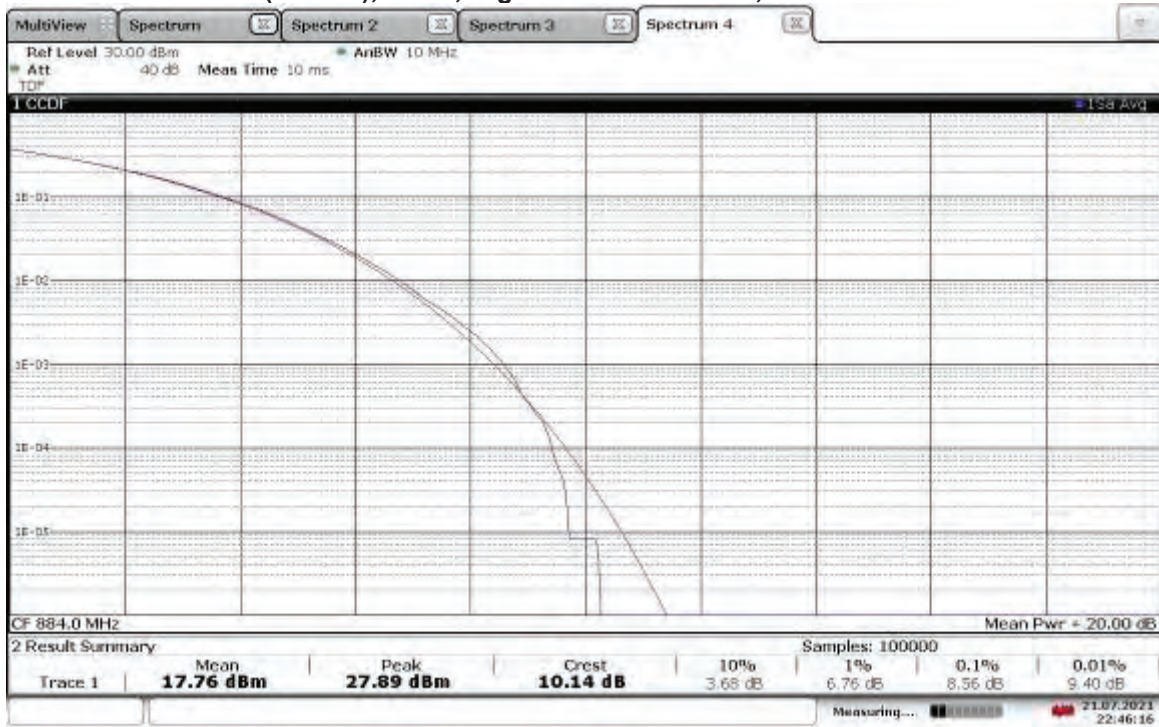
TM3.1a-256QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel 881 MHz, PAPR = 10.17 dB



TM3.1a-256QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel 881 MHz, PAPR = 10.20 dB

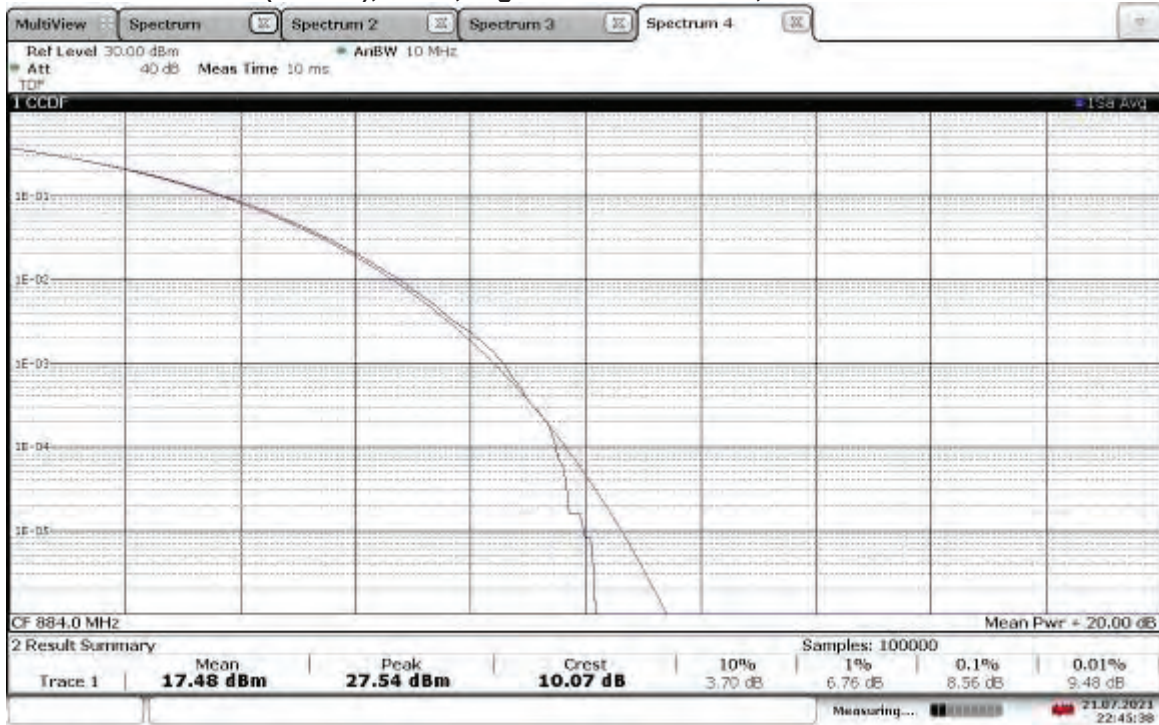


TM3.1a-256QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel 884 MHz, PAPR = 10.14 dB



22:46:18 21.07.2021

TM3.1a-256QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel 879 MHz, PAPR = 10.07 dB



22:45:38 21.07.2021

Test Personnel: Vathana Ven
Supervising/Reviewing
Engineer:
(Where Applicable) N/A

Test Date: 07/21/2021, 07/22/2021

Product Standard: FCC Part 22
Input Voltage: 48 VDC (POE)

Limit Applied: See report section 7.3

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

Ambient Temperature: 22, 23 °C

Relative Humidity: 21, 15 %

Atmospheric Pressure: 1004, 1013 mbars

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 22.

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 Schwartz	FSW43	100646	10/27/2020	10/27/2021
DAV005'	Weather Station	Davis	6250	MS19121808 3	02/07/2021	02/07/2022

Software Utilized:

Name	Manufacturer	Version
None	--	--

8.3 Results:

The sample tested was found to Comply.

§22.917(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 0 (Band 5), Bandwidth: 5 MHz, Modulation: TM1.1-QPSK

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	871.5	ANT0	4.48	4.94
		ANT1	4.47	4.95
Mid	881	ANT0	4.47	4.96
		ANT1	4.47	4.95
High	891.5	ANT0	4.47	4.95
		ANT1	4.47	4.95

Slot 0 (Band 5), Bandwidth: 10 MHz, Modulation: TM1.1-QPSK

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	874	ANT0	9.29	10.09
		ANT1	9.29	10.05
Mid	881	ANT0	9.30	10.07
		ANT1	9.30	10.05
High	889	ANT0	9.30	10.07
		ANT1	9.30	10.07

Slot 0 (Band 5), Bandwidth: 15 MHz, Modulation: TM1.1-QPSK

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	876.5	ANT0	14.21	15.11
		ANT1	14.20	15.11
Mid	881	ANT0	14.23	15.44
		ANT1	14.24	15.46
High	886.5	ANT0	14.25	15.44
		ANT1	14.26	15.44

Slot 0 (Band 5), Bandwidth: 20 MHz, Modulation: TM1.1-QPSK

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	879	ANT0	18.91	20.34
		ANT1	18.90	20.30
Mid	881	ANT0	18.92	20.26
		ANT1	18.93	20.34
High	884	ANT0	18.93	20.34
		ANT1	18.95	20.26

Slot 0 (Band 5), Bandwidth: 5 MHz, Modulation: TM3.2-16QAM

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	871.5	ANT0	4.51	4.92
		ANT1	4.50	4.92
Mid	881	ANT0	4.51	4.92
		ANT1	4.51	4.93
High	891.5	ANT0	4.51	4.91
		ANT1	4.51	4.91

Slot 0 (Band 5), Bandwidth: 10 MHz, Modulation: TM3.2-16QAM

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	874	ANT0	9.24	9.91
		ANT1	9.24	9.91
Mid	881	ANT0	9.24	9.91
		ANT1	9.23	9.91
High	889	ANT0	9.25	9.94
		ANT1	9.25	9.94

Slot 0 (Band 5), Bandwidth: 15 MHz, Modulation: TM3.2-16QAM

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	876.5	ANT0	15.21	14.16
		ANT1	14.14	15.24
Mid	881	ANT0	14.18	15.31
		ANT1	14.18	15.18
High	886.5	ANT0	14.21	15.18
		ANT1	14.21	15.24

Slot 0 (Band 5), Bandwidth: 20 MHz, Modulation: TM3.2-16QAM

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	879	ANT0	18.98	20.10
		ANT1	18.98	20.10
Mid	881	ANT0	19.00	20.14
		ANT1	19.00	20.18
High	884	ANT0	19.00	20.22
		ANT1	19.03	20.18

Slot 0 (Band 5), Bandwidth: 5 MHz, Modulation: TM3.1-64QAM

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	871.5	ANT0	4.48	4.93
		ANT1	4.48	4.95
Mid	881	ANT0	4.48	4.95
		ANT1	4.48	4.95
High	891.5	ANT0	4.48	4.95
		ANT1	4.48	4.95

Slot 0 (Band 5), Bandwidth: 10 MHz, Modulation: TM3.1-64QAM

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	874	ANT0	9.30	10.05
		ANT1	9.30	10.03
Mid	881	ANT0	9.30	10.03
		ANT1	9.30	10.01
High	889	ANT0	9.30	10.03
		ANT1	9.31	10.05

Slot 0 (Band 5), Bandwidth: 15 MHz, Modulation: TM3.1-64QAM

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	876.5	ANT0	14.14	15.35
		ANT1	14.13	15.31
Mid	881	ANT0	14.16	15.35
		ANT1	14.16	15.31
High	886.5	ANT0	14.20	15.38
		ANT1	14.20	15.38

Slot 0 (Band 5), Bandwidth: 20 MHz, Modulation: TM3.1-64QAM

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	879	ANT0	18.93	20.34
		ANT1	18.90	20.30
Mid	881	ANT0	18.95	20.34
		ANT1	18.91	20.34
High	884	ANT0	18.96	20.38
		ANT1	18.97	20.42

Slot 0 (Band 5), Bandwidth: 5 MHz, Modulation: TM3.1a-256QAM

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	871.5	ANT0	4.48	4.95
		ANT1	4.48	4.96
Mid	881	ANT0	4.48	4.96
		ANT1	4.48	4.96
High	891.5	ANT0	4.48	4.96
		ANT1	4.48	4.96

Slot 0 (Band 5), Bandwidth: 10 MHz, Modulation: TM3.1a-256QAM

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	874	ANT0	9.29	10.03
		ANT1	9.29	10.03
Mid	881	ANT0	9.30	10.05
		ANT1	9.30	10.05
High	889	ANT0	9.30	10.05
		ANT1	9.30	10.05

Slot 0 (Band 5), Bandwidth: 15 MHz, Modulation: TM3.1a-256QAM

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	876.5	ANT0	14.14	15.29
		ANT1	14.13	15.35
Mid	881	ANT0	14.16	15.40
		ANT1	14.16	15.40
High	886.5	ANT0	14.18	15.40
		ANT1	14.14	15.40

Slot 0 (Band 5), Bandwidth: 20 MHz, Modulation: TM3.1a-256QAM

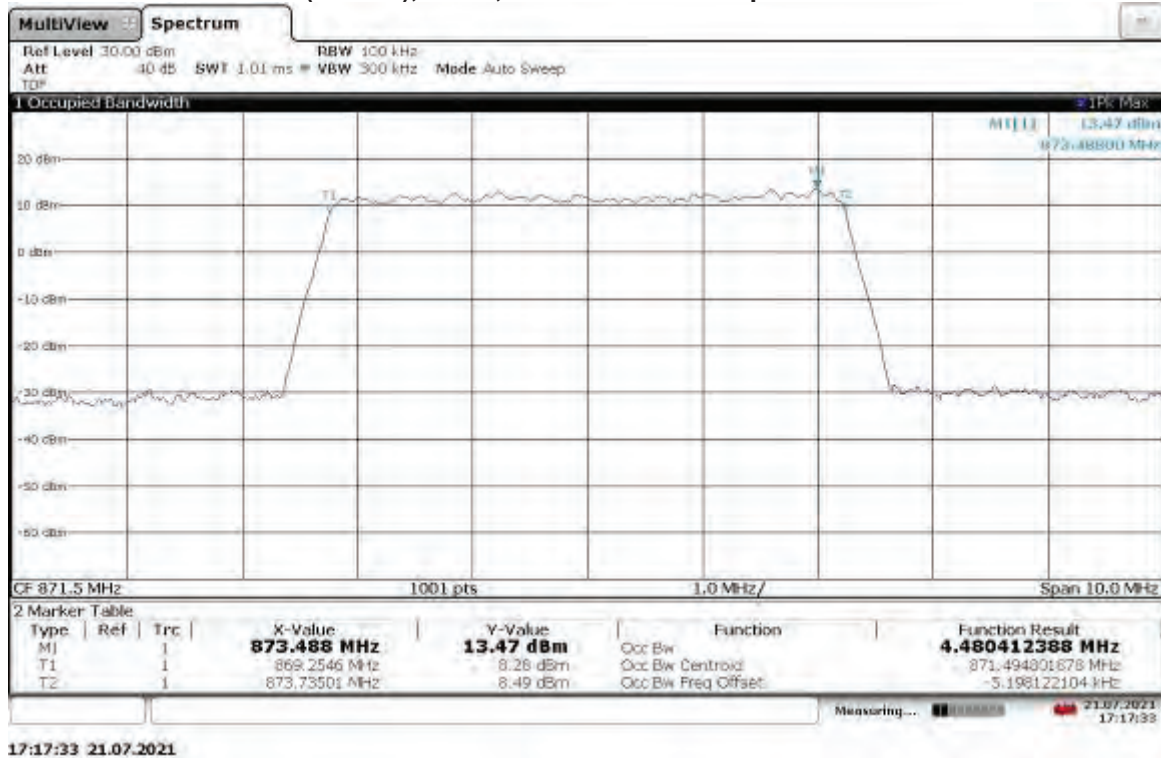
Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	879	ANT0	18.95	20.46
		ANT1	18.95	20.46
Mid	881	ANT0	18.97	20.42
		ANT1	18.98	20.46
High	884	ANT0	18.98	20.46
		ANT1	19.00	20.46

8.4 Setup Photograph:

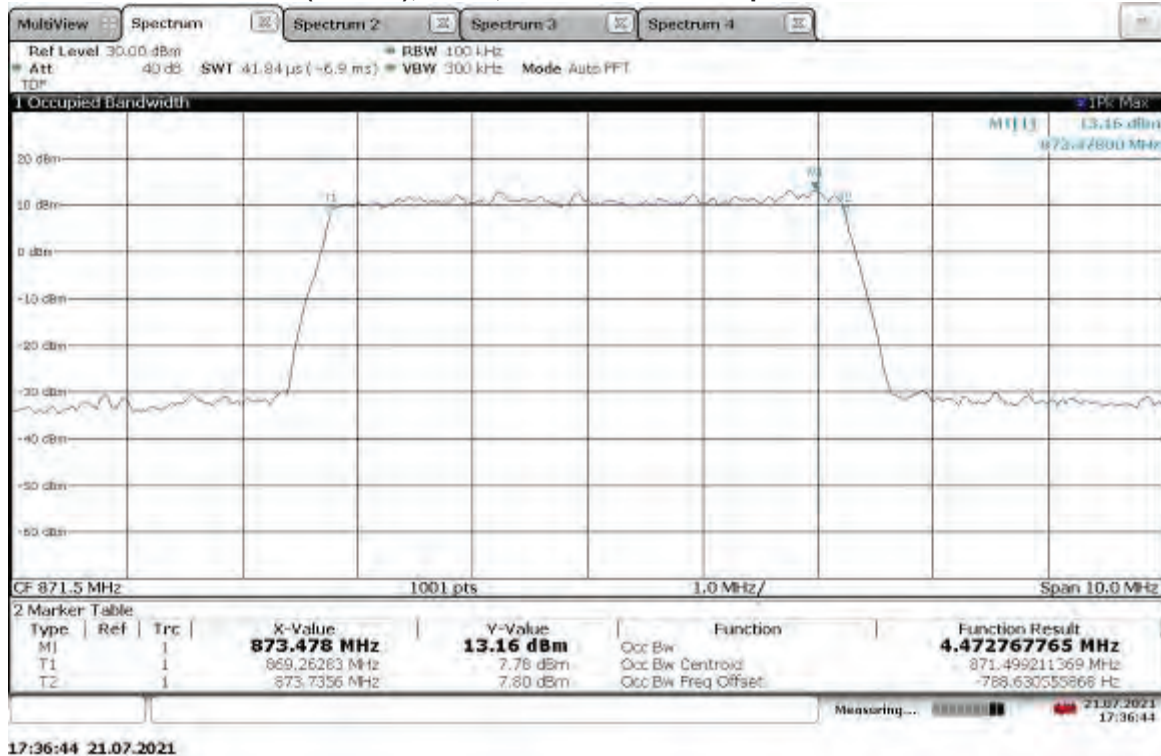
Photographs are available in a separate exhibit

8.5 Plots/Data:

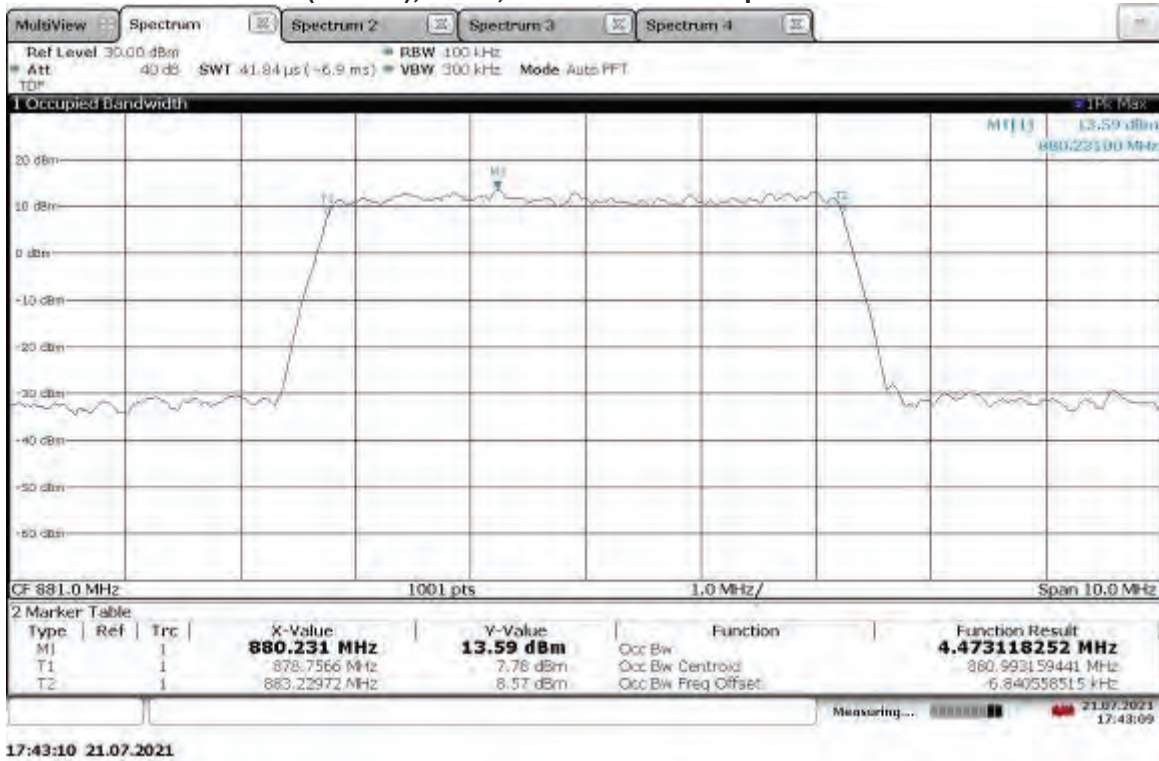
TM1.1-QPSK_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel Occupied Bandwidth



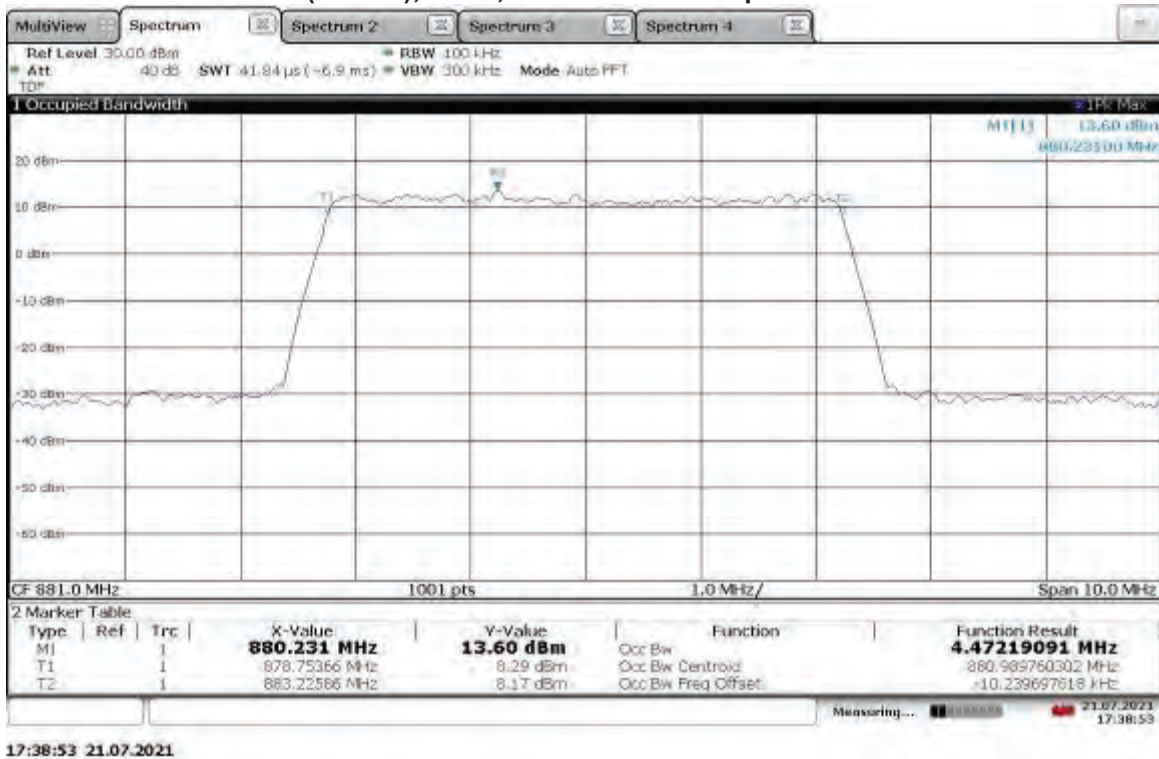
TM1.1-QPSK_5 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel Occupied Bandwidth



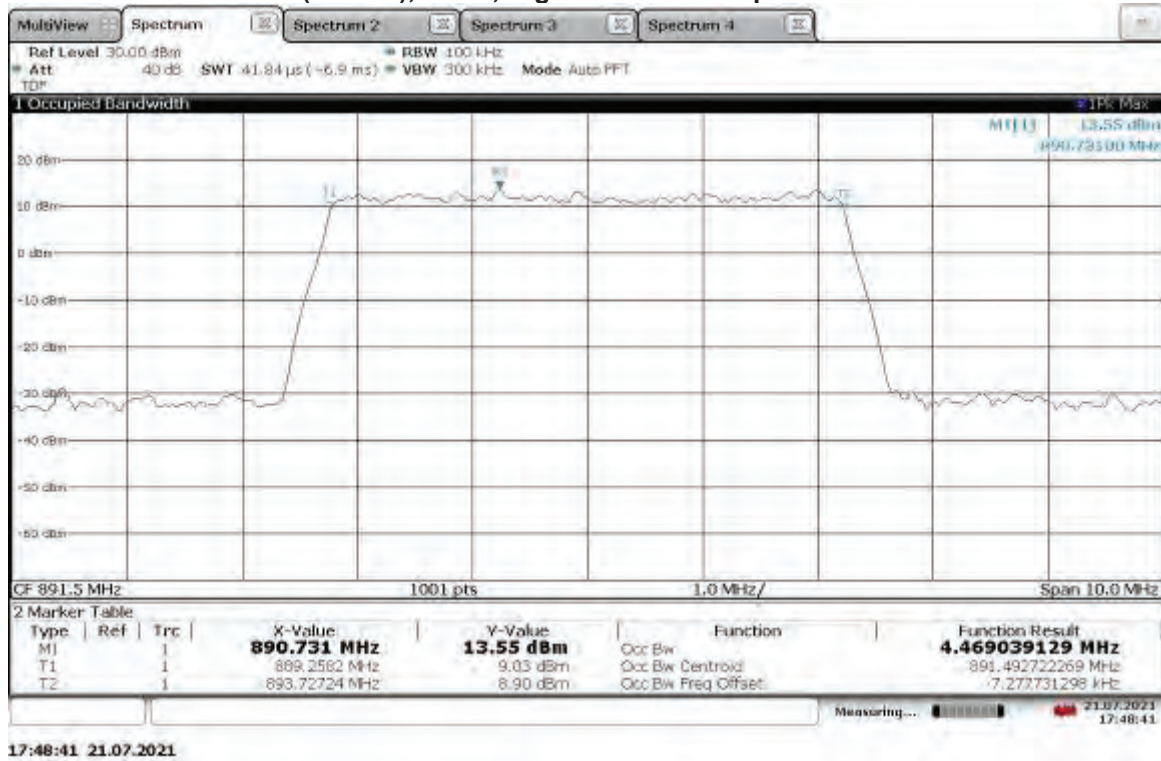
TM1.1-QPSK_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel Occupied Bandwidth



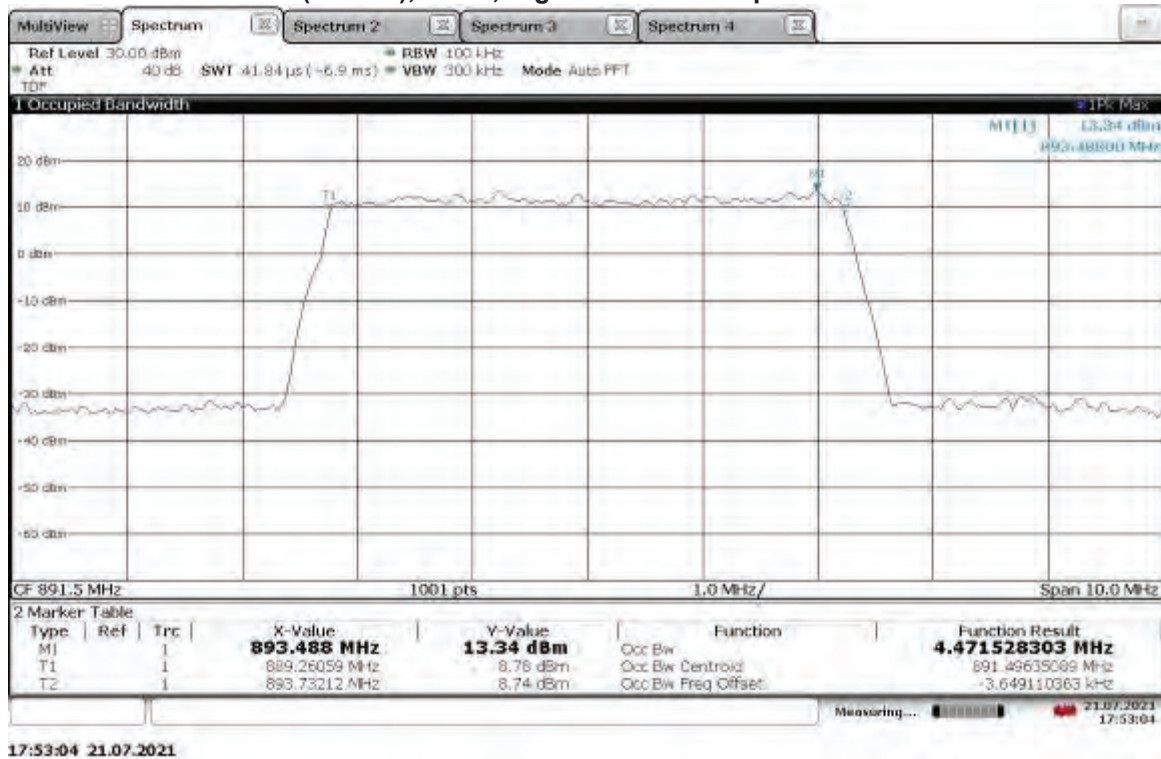
TM1.1-QPSK_5 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel Occupied Bandwidth



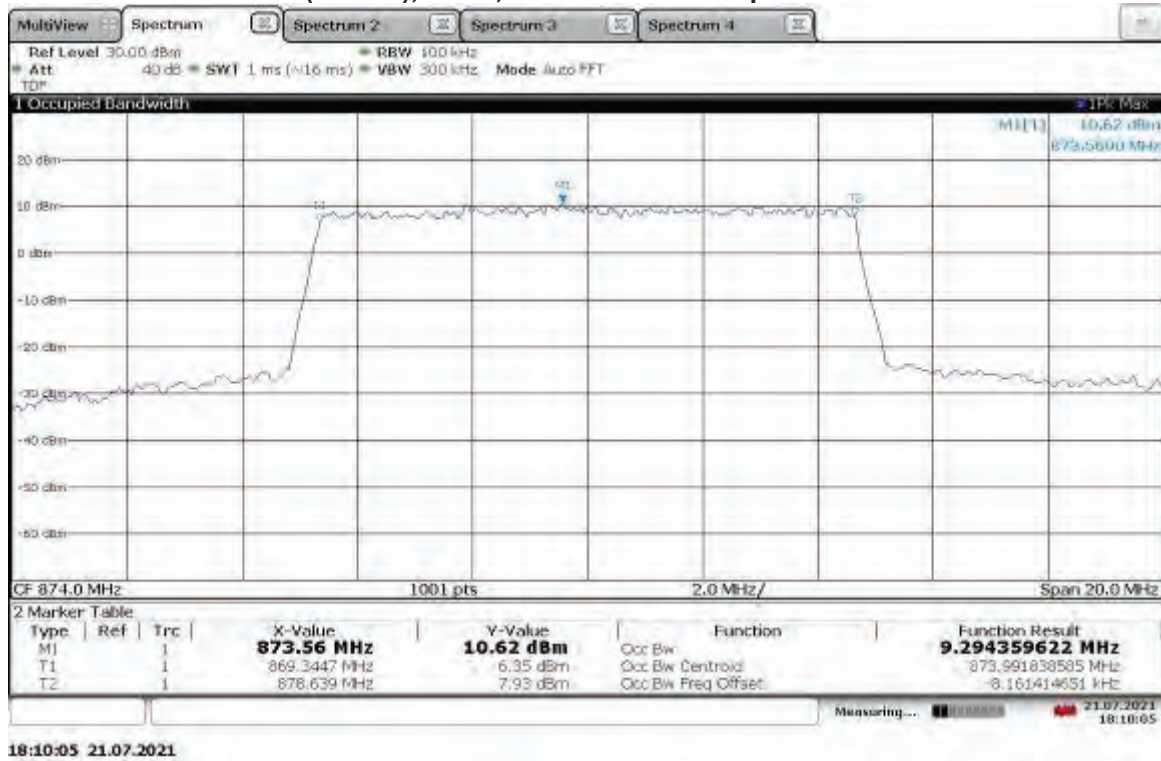
TM1.1-QPSK_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel Occupied Bandwidth



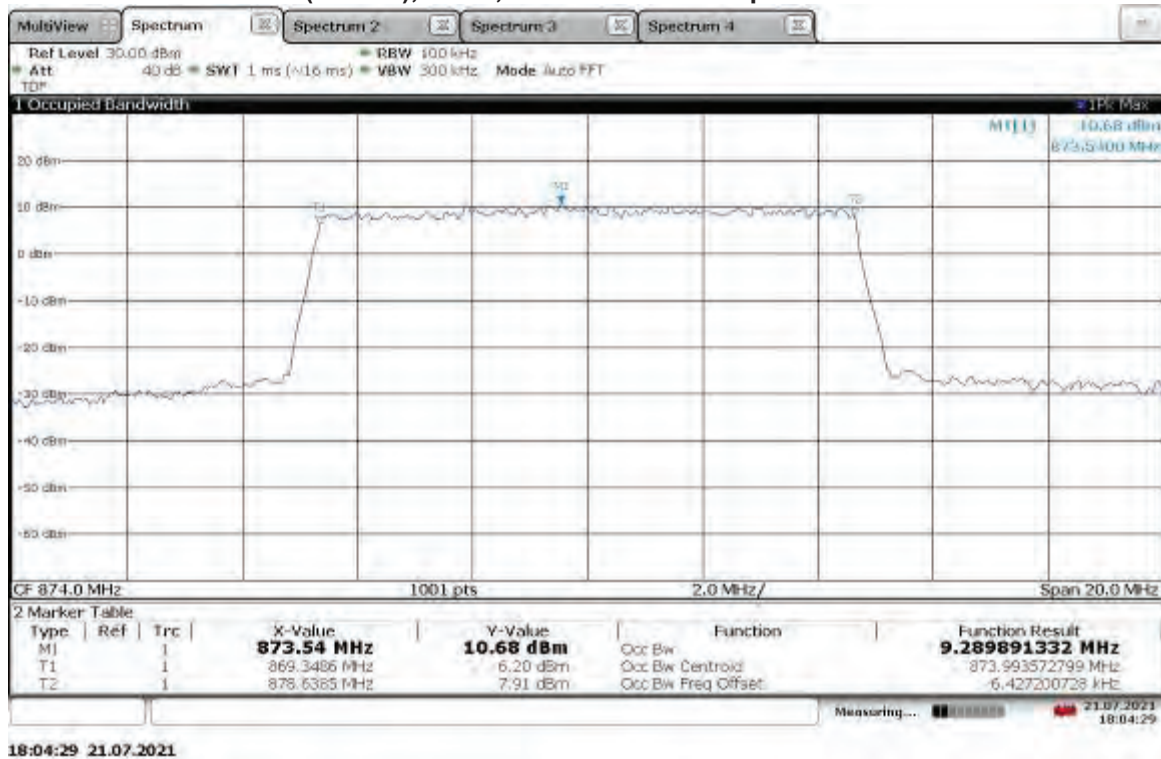
TM1.1-QPSK_5 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel Occupied Bandwidth



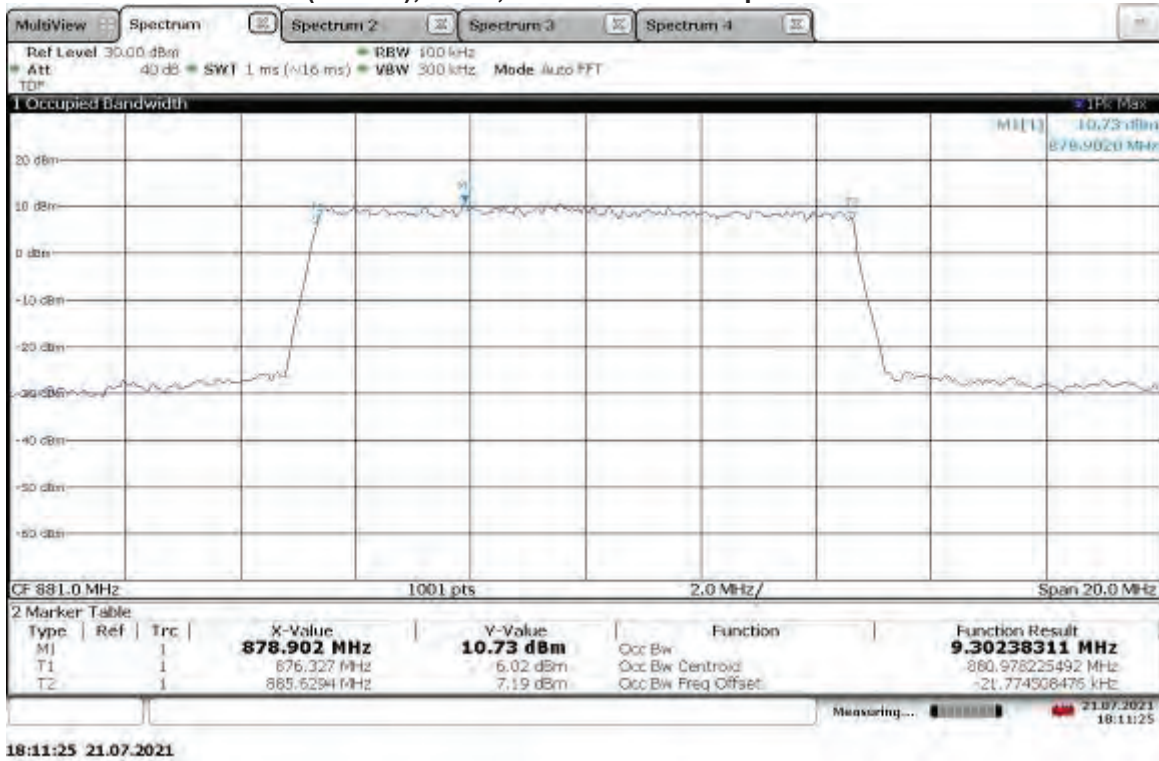
**TM1.1-QPSK_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel Occupied Bandwidth**



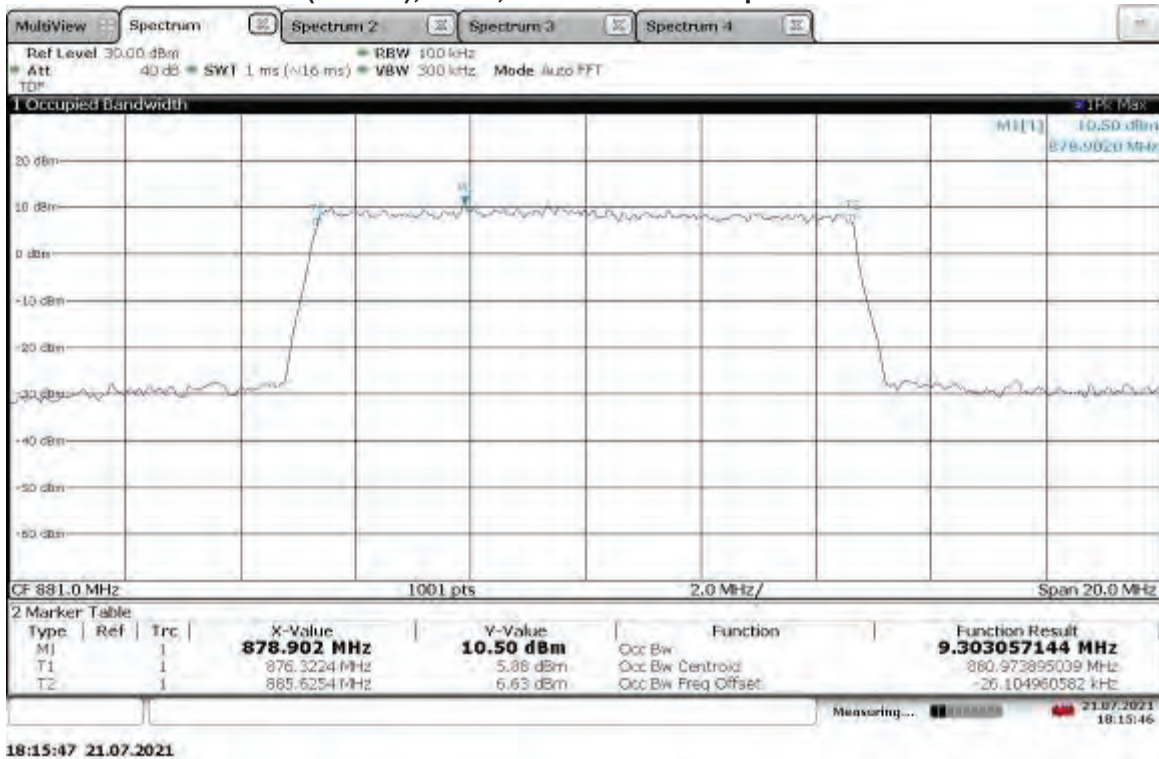
**TM1.1-QPSK_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel Occupied Bandwidth**



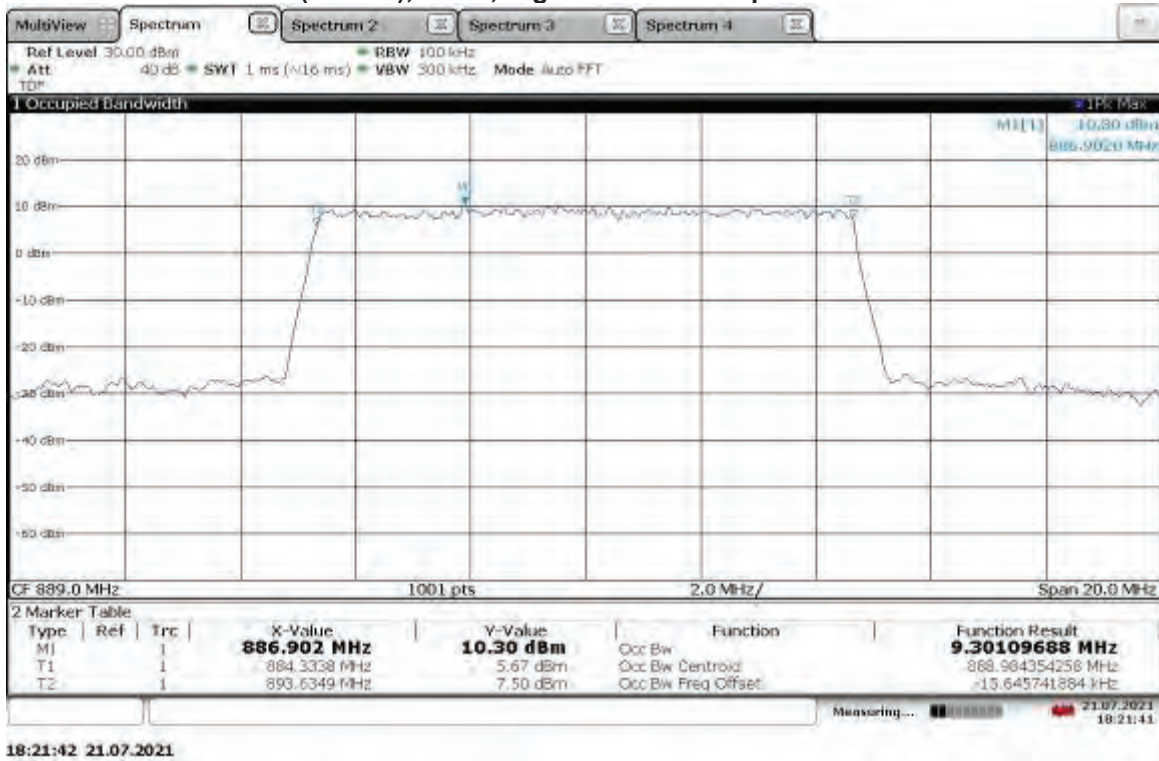
TM1.1-QPSK_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel Occupied Bandwidth



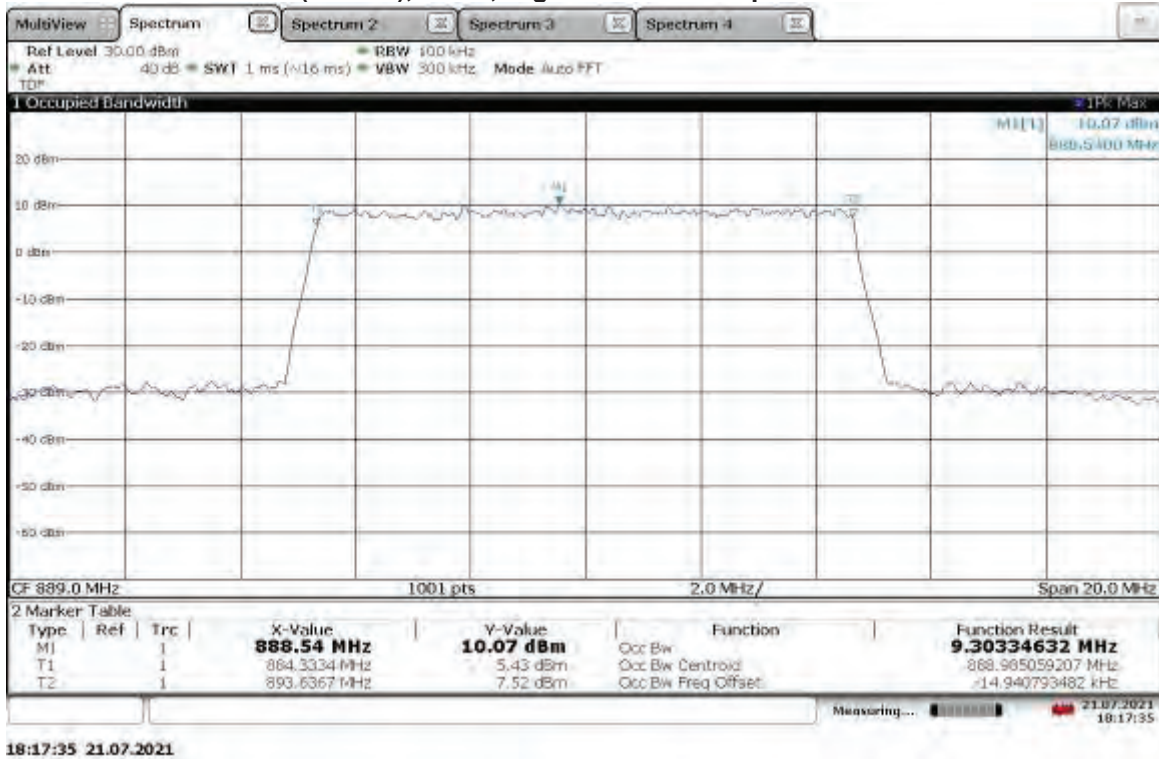
TM1.1-QPSK_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel Occupied Bandwidth



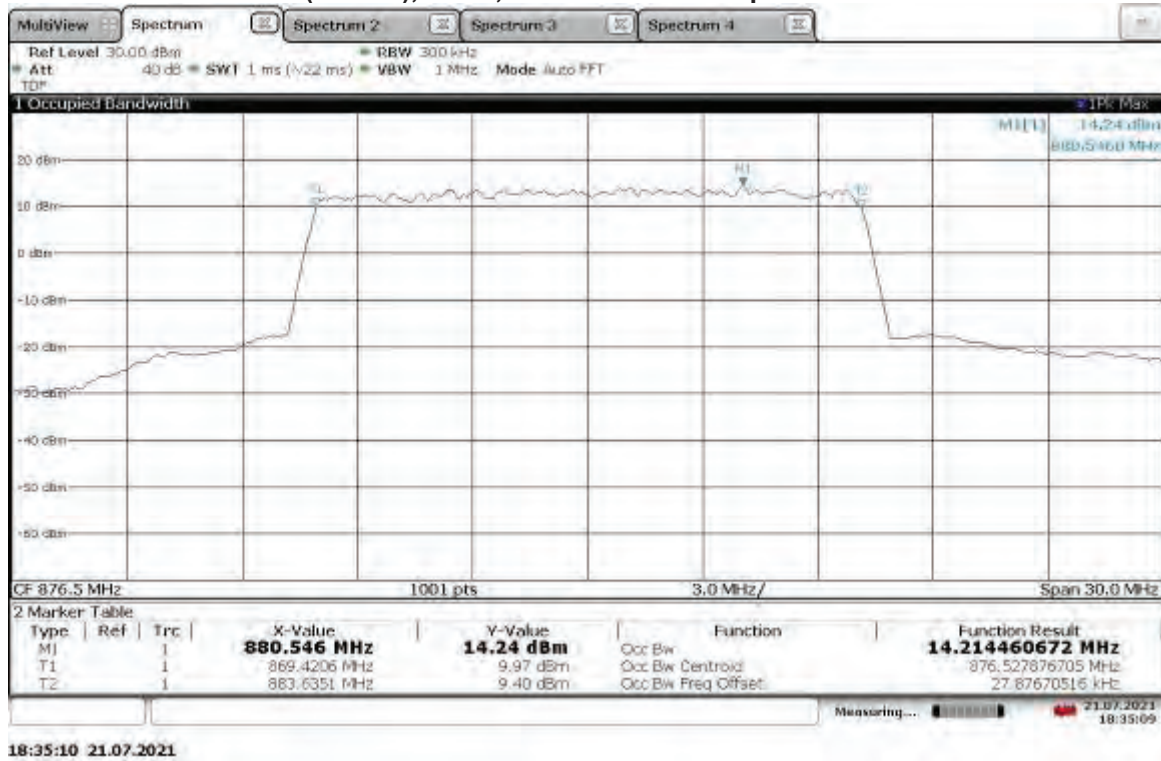
TM1.1-QPSK_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel Occupied Bandwidth



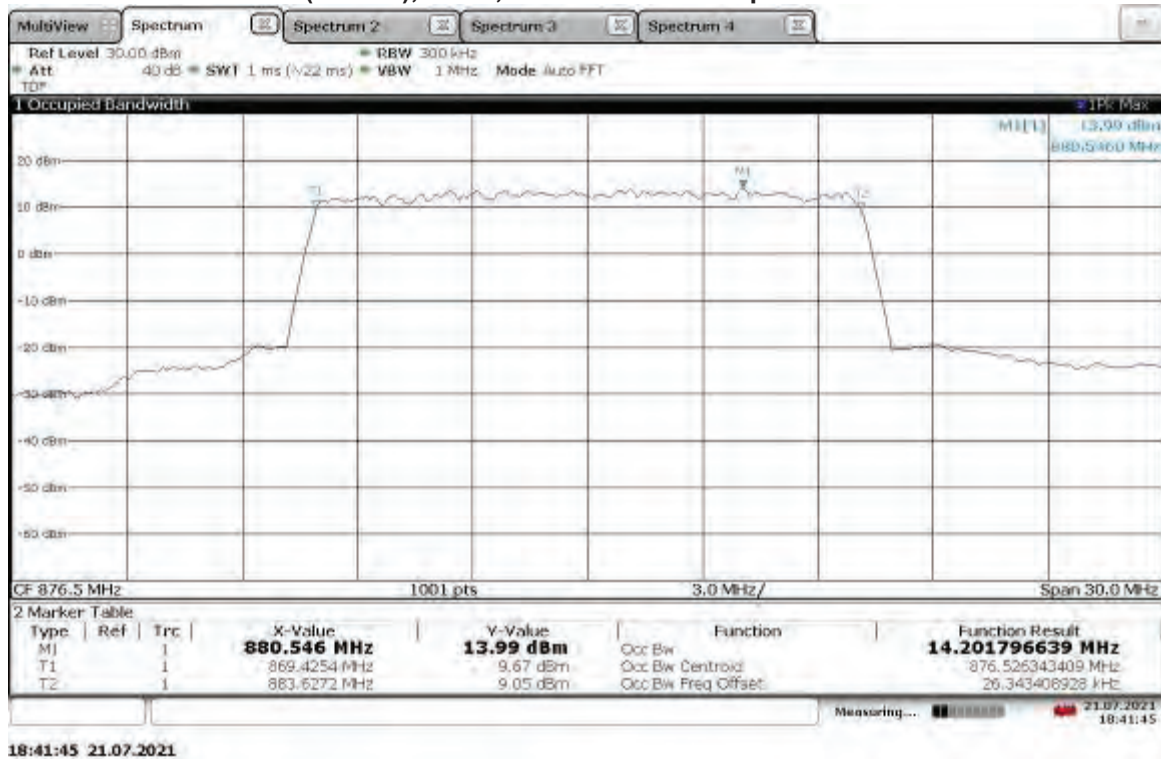
TM1.1-QPSK_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel Occupied Bandwidth



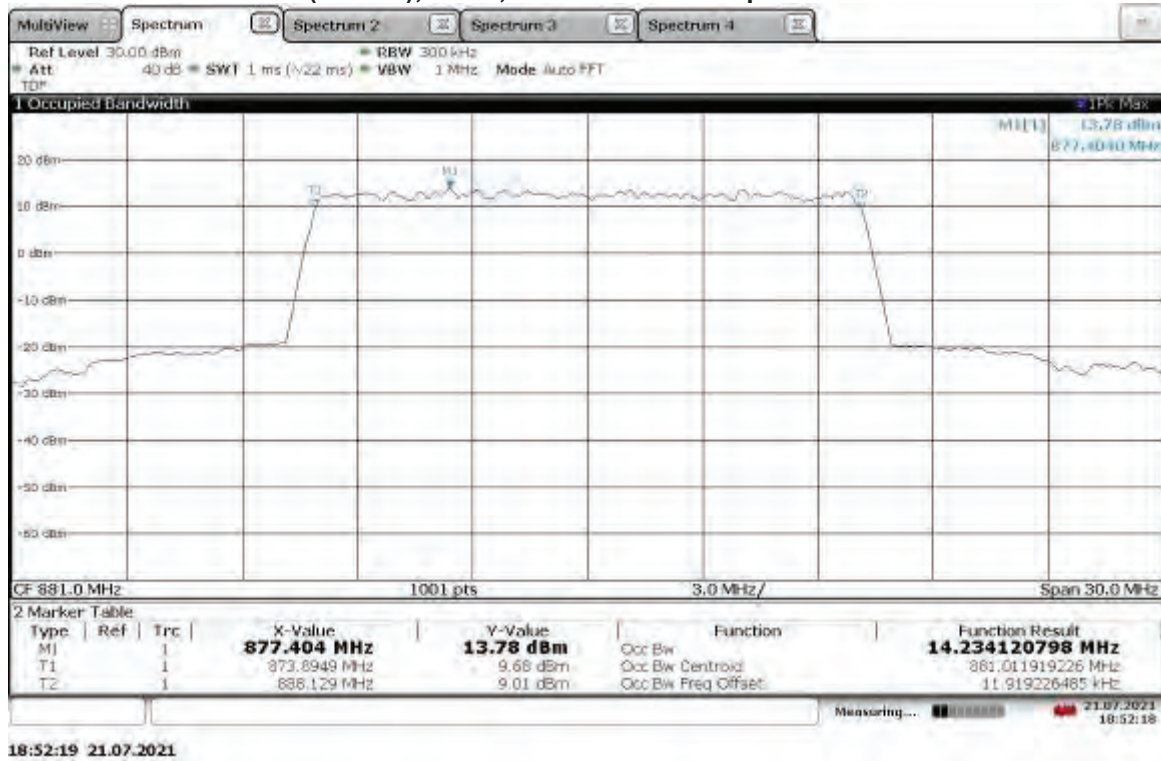
**TM1.1-QPSK_15 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel Occupied Bandwidth**



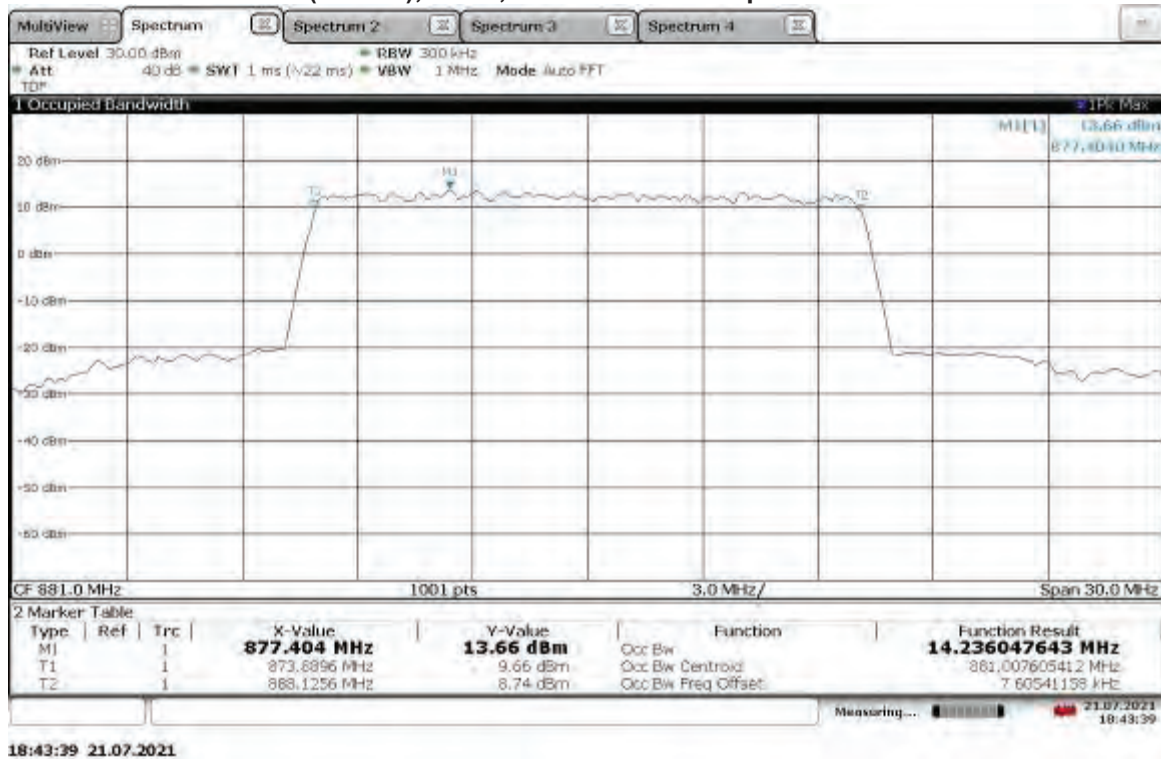
**TM1.1-QPSK_15 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel Occupied Bandwidth**



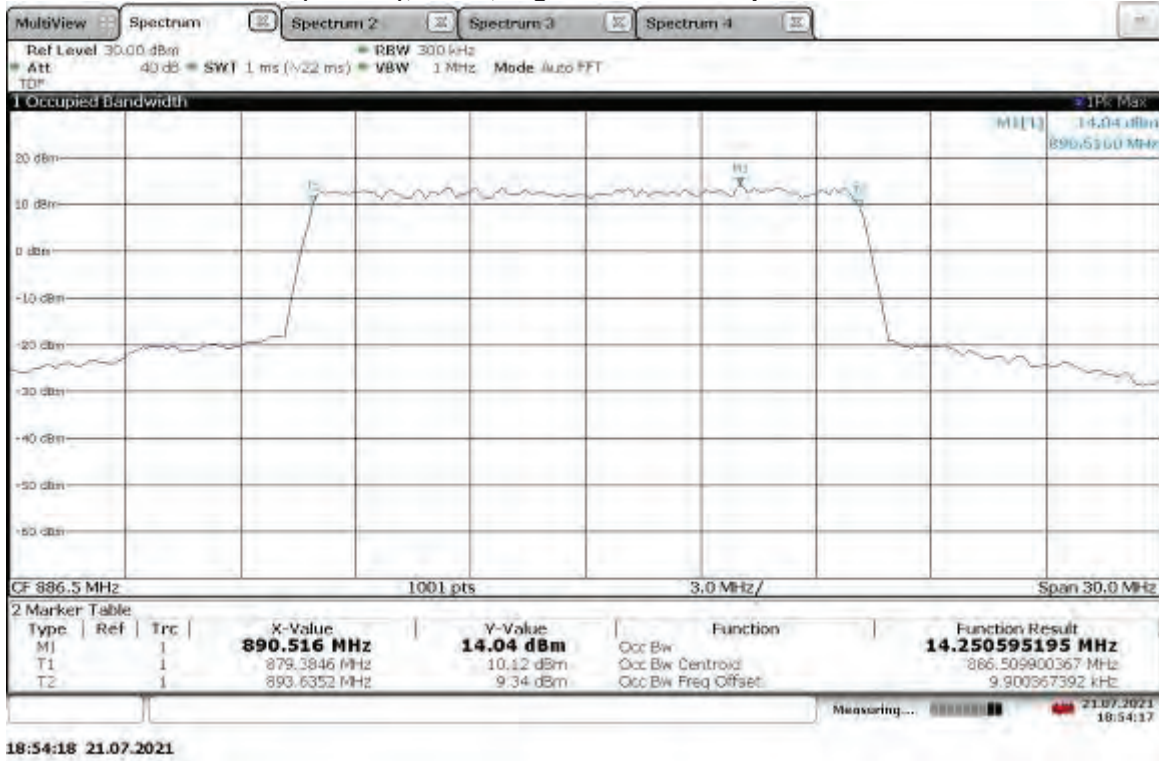
TM1.1-QPSK_15 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel Occupied Bandwidth



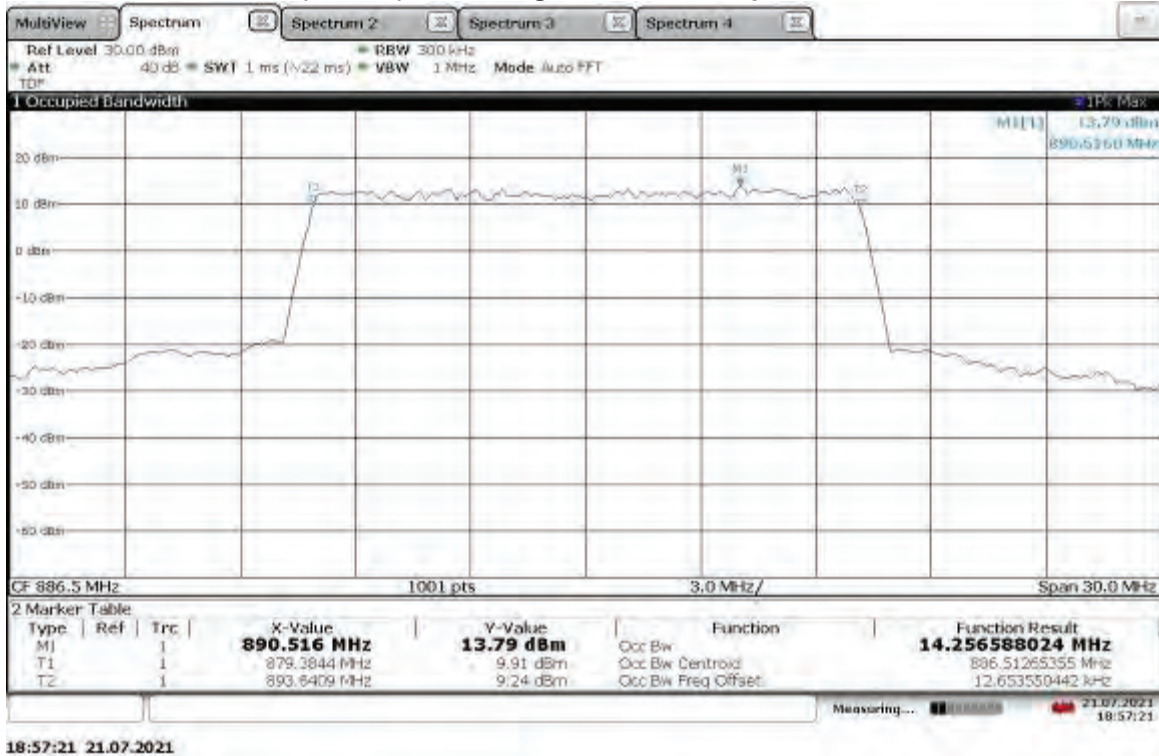
TM1.1-QPSK_15 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel Occupied Bandwidth

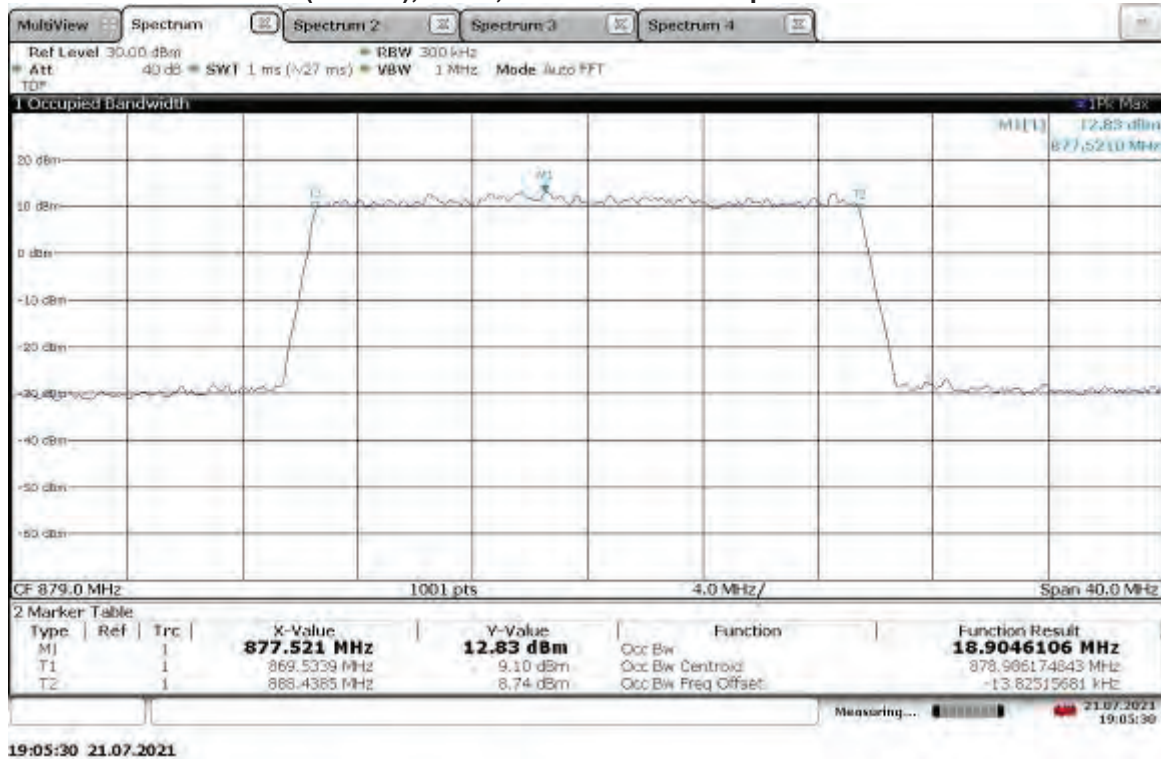
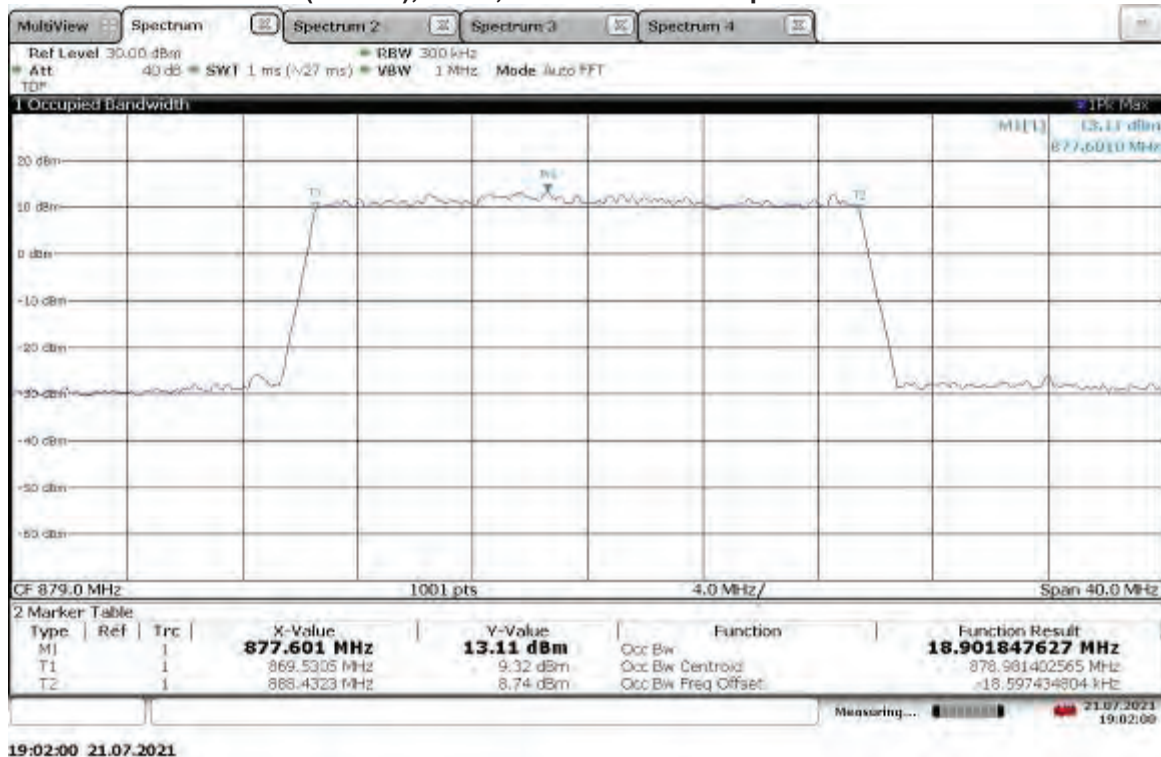


TM1.1-QPSK_15 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel Occupied Bandwidth

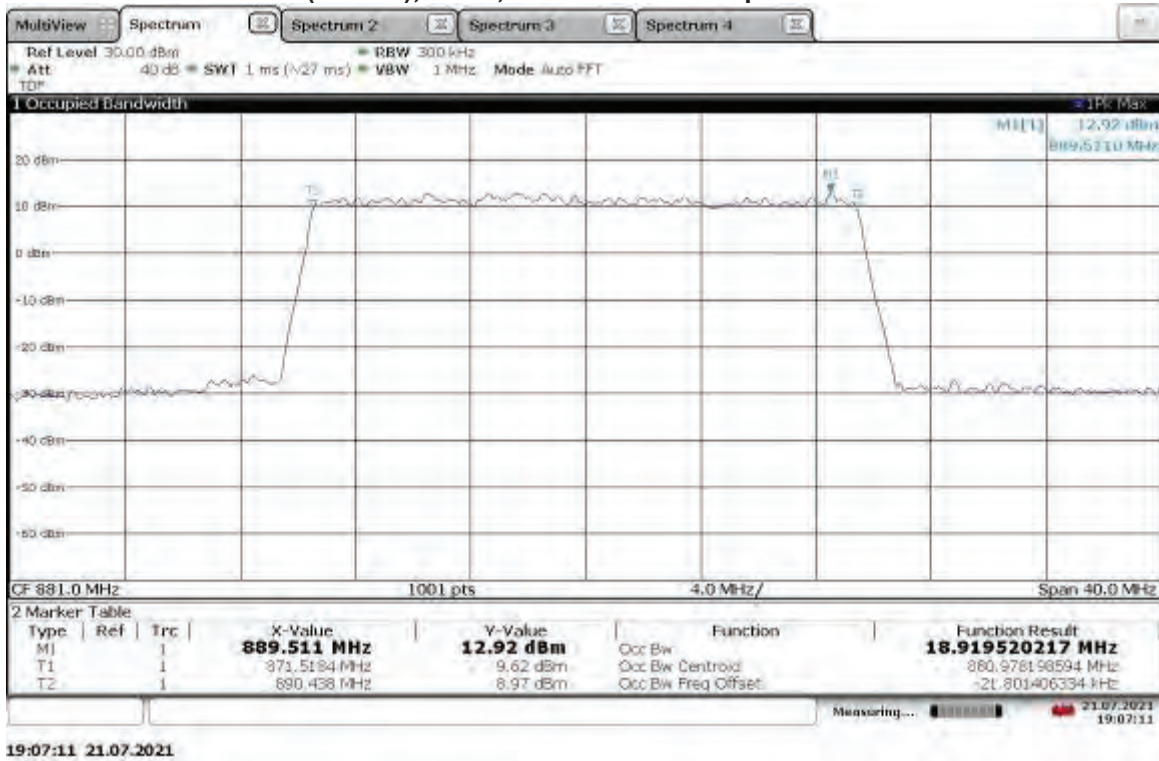


TM1.1-QPSK_15 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel Occupied Bandwidth

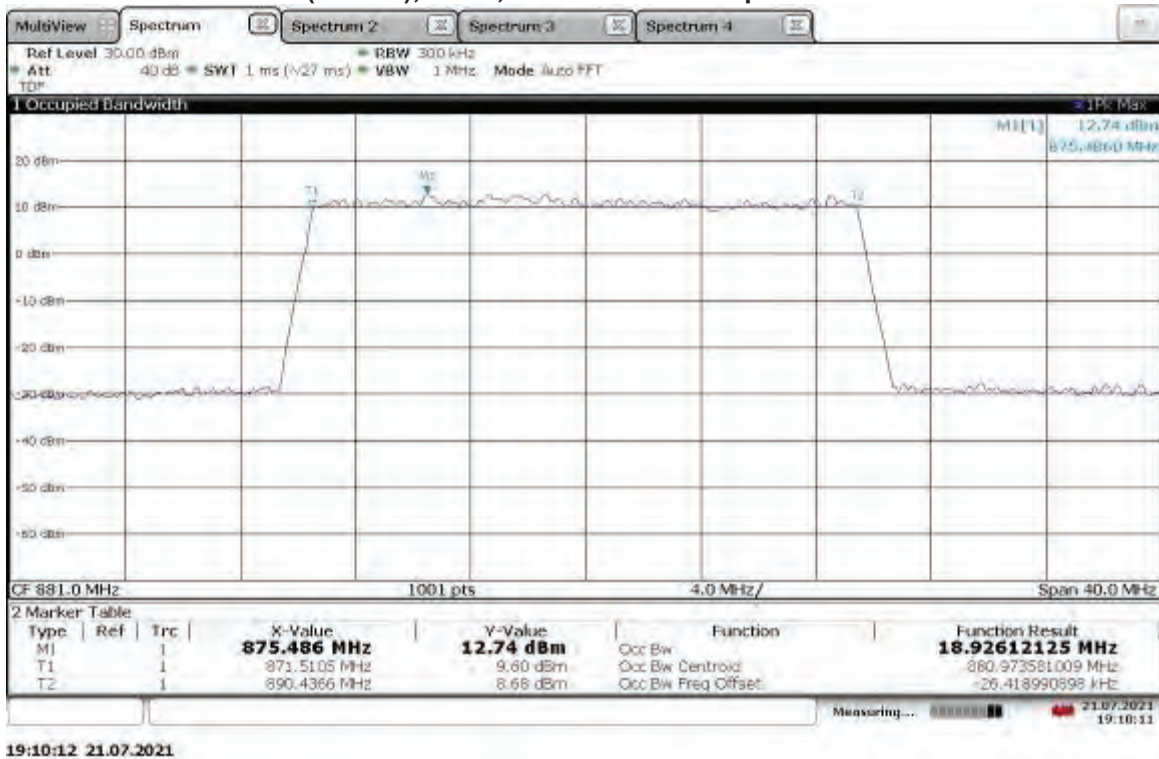


**TM1.1-QPSK_20 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel Occupied Bandwidth****TM1.1-QPSK_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel Occupied Bandwidth**

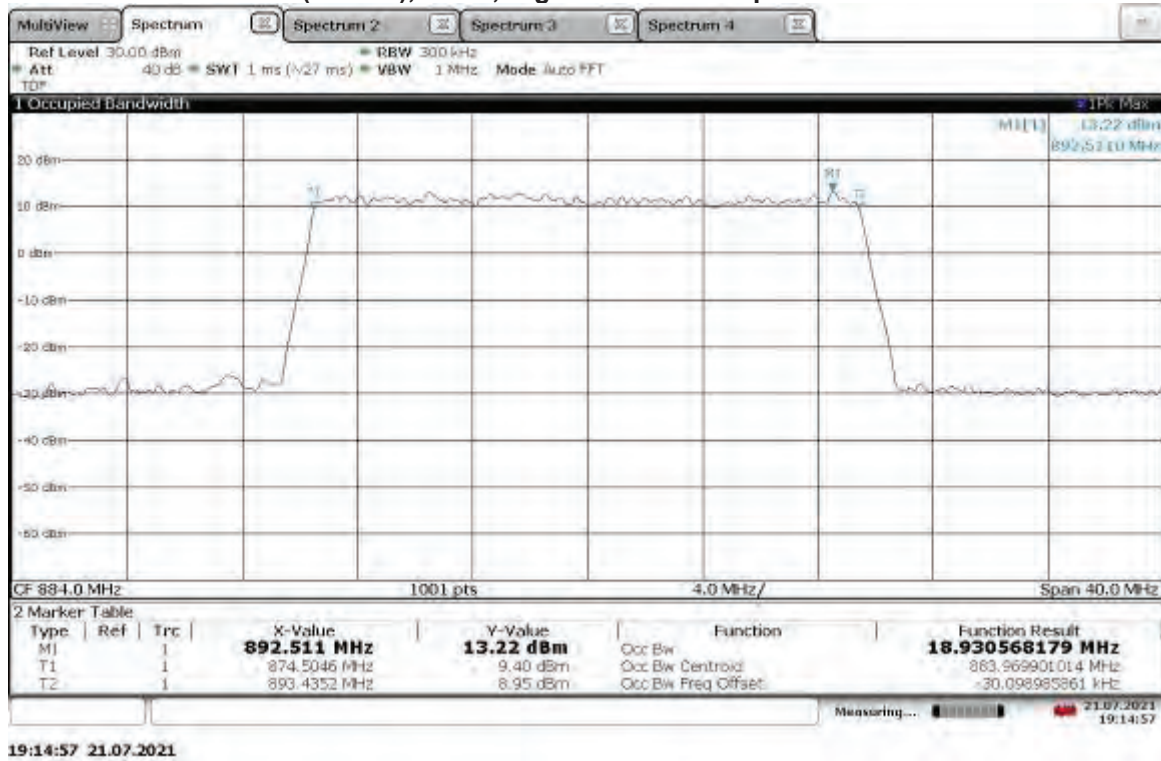
TM1.1-QPSK_20 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel Occupied Bandwidth



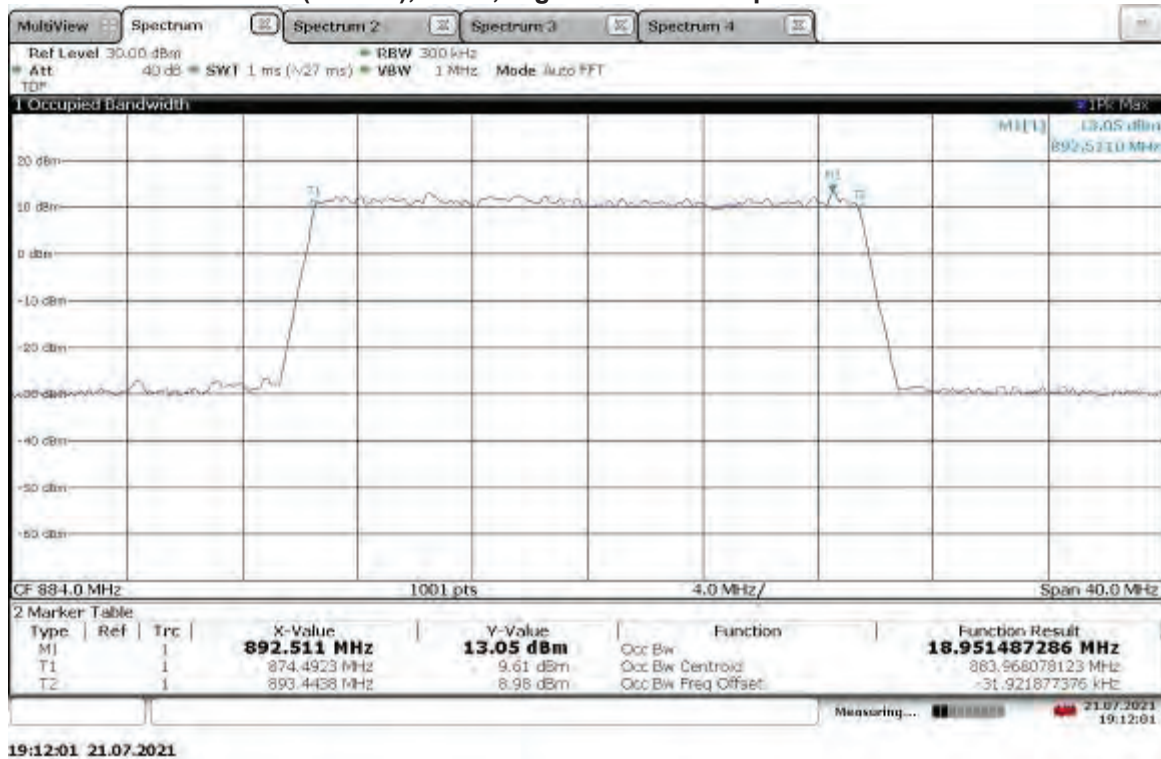
TM1.1-QPSK_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel Occupied Bandwidth



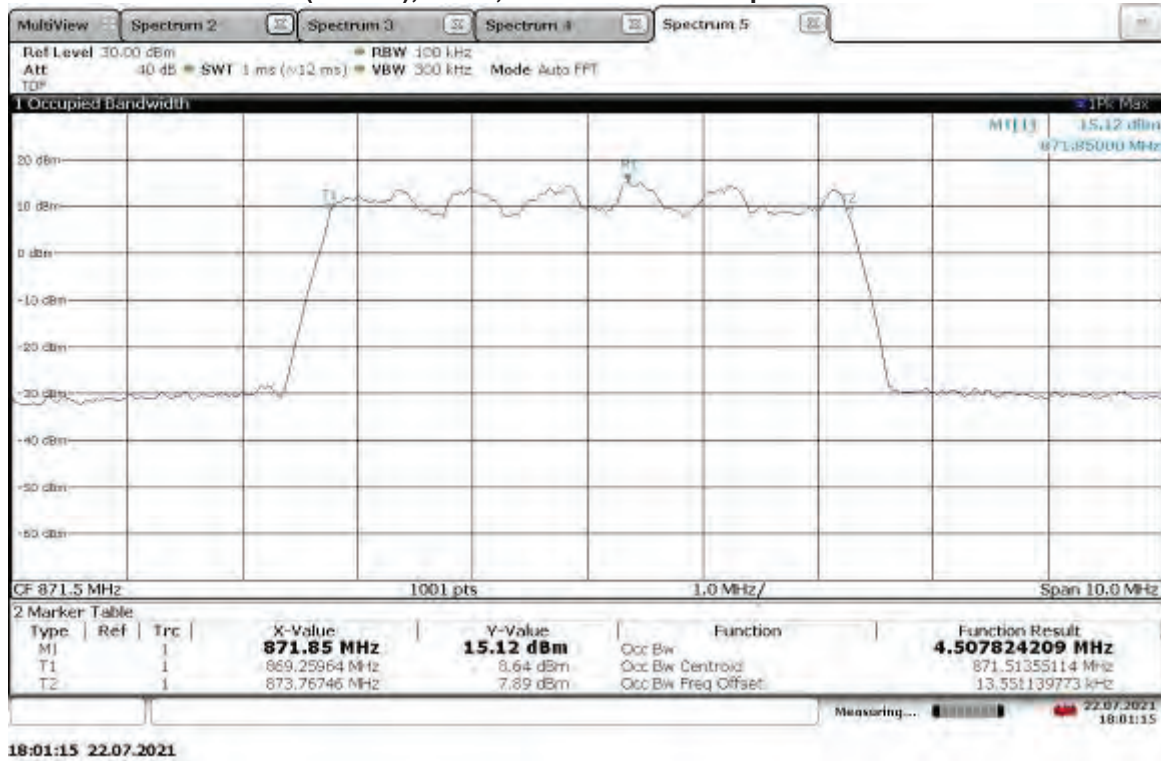
TM1.1-QPSK_20 MHz Bandwidth
Slot 0 (Band 0), ANT0, High Channel Occupied Bandwidth



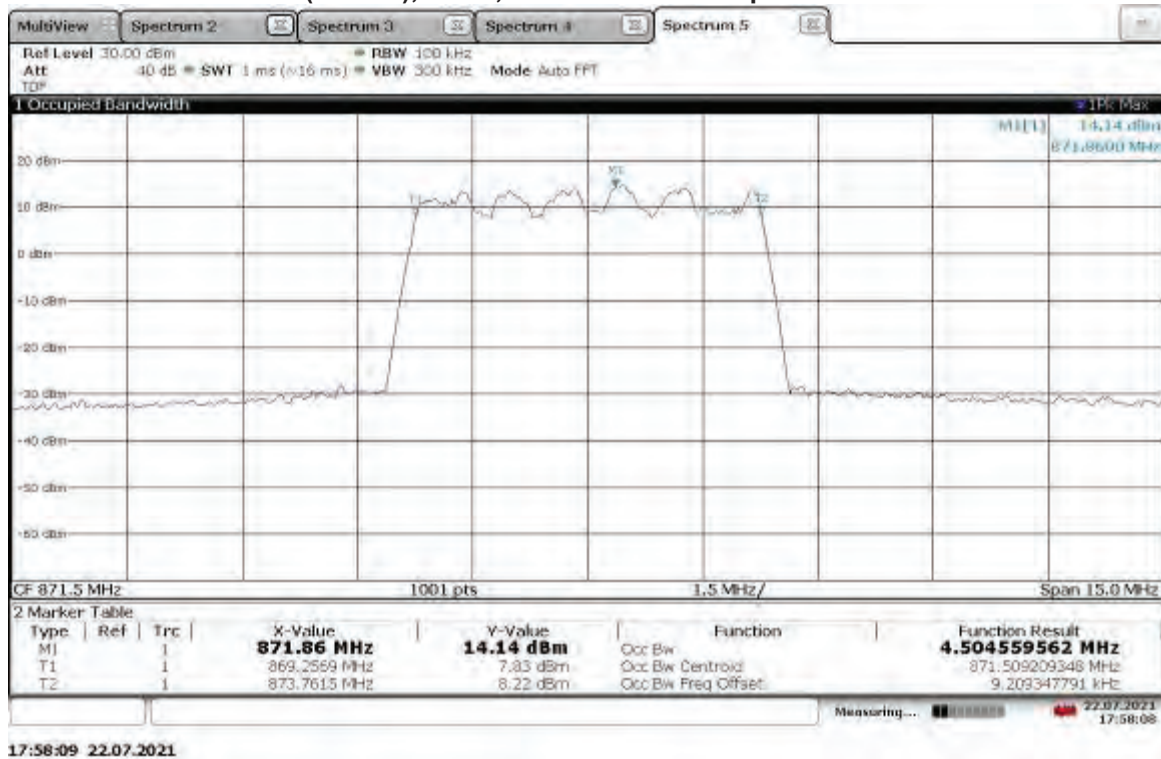
TM1.1-QPSK_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel Occupied Bandwidth



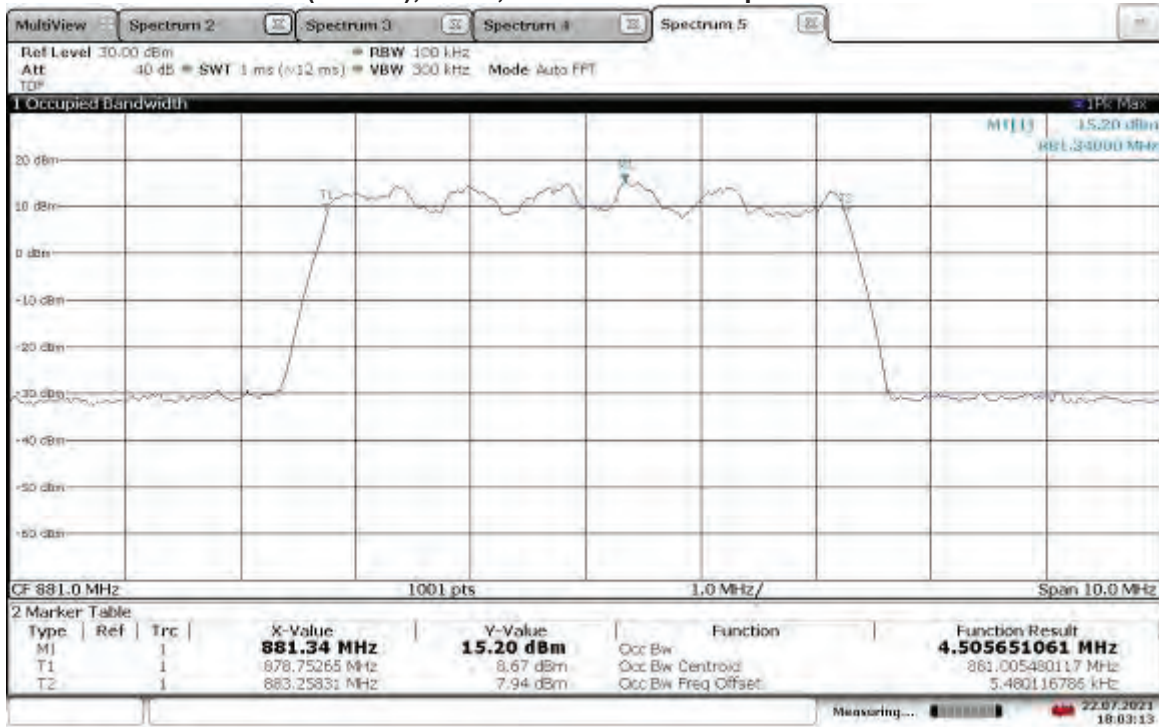
TM3.2-16QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel Occupied Bandwidth



TM3.2-16QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel Occupied Bandwidth

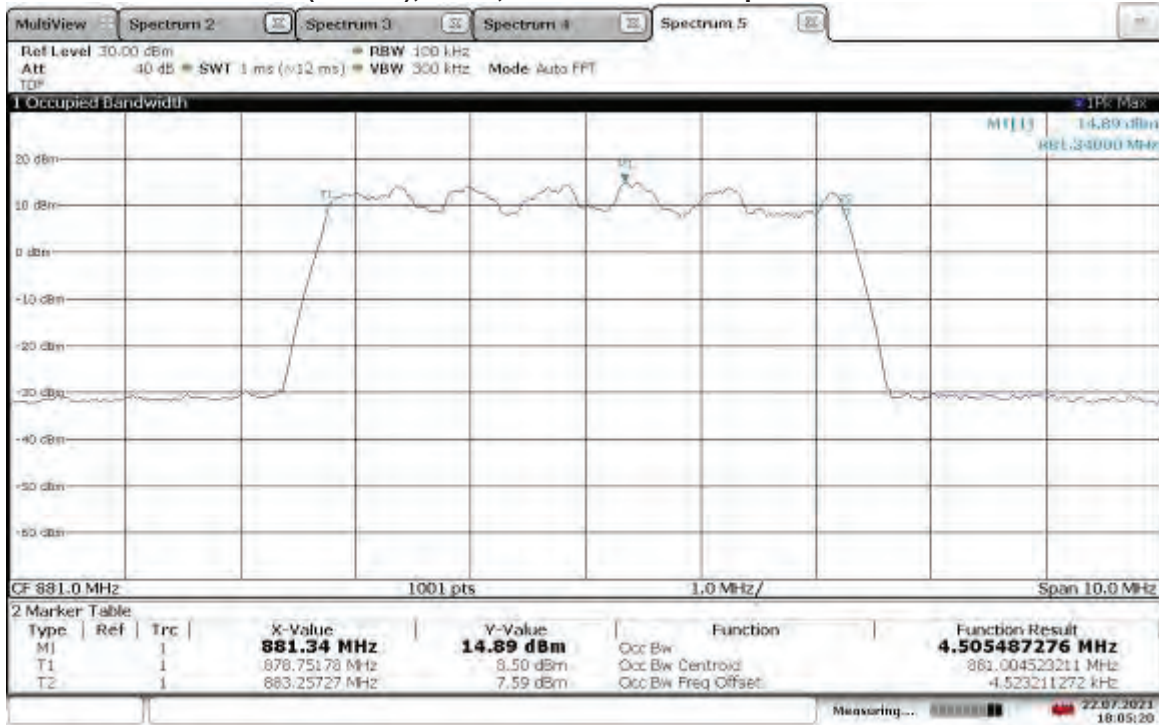


**TM3.2-16QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel Occupied Bandwidth**



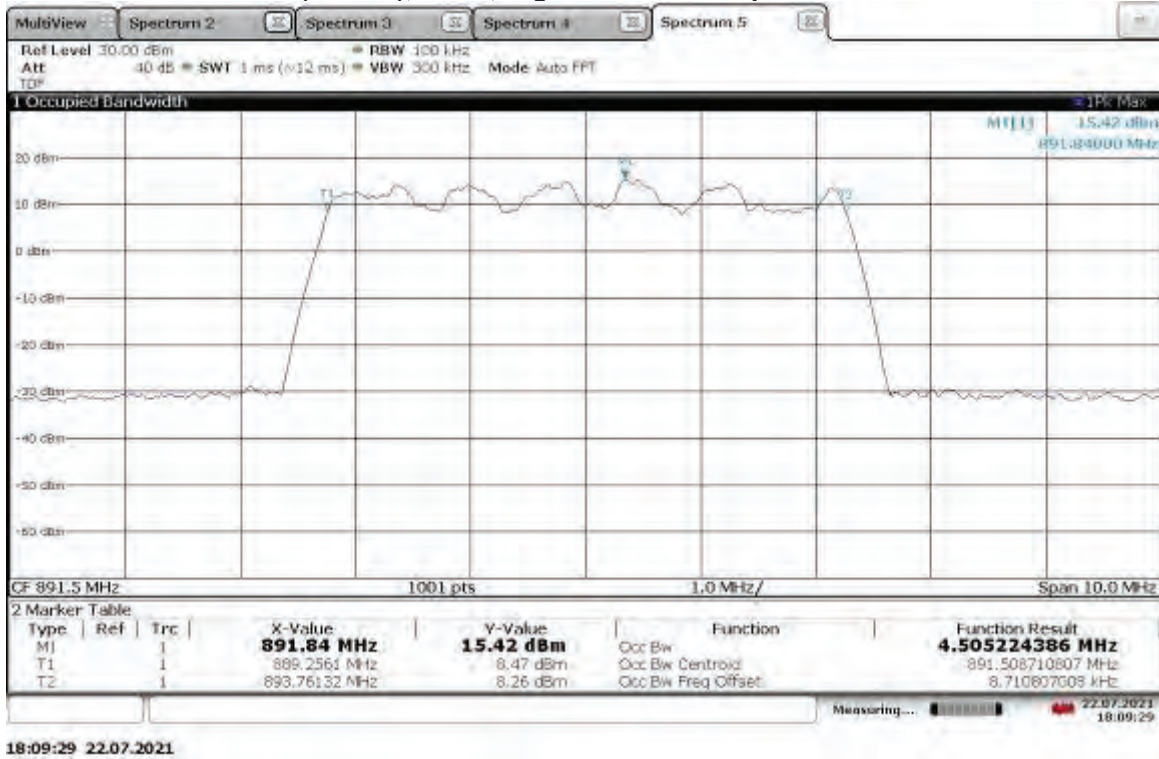
18:03:14 22.07.2021

**TM3.2-16QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel Occupied Bandwidth**

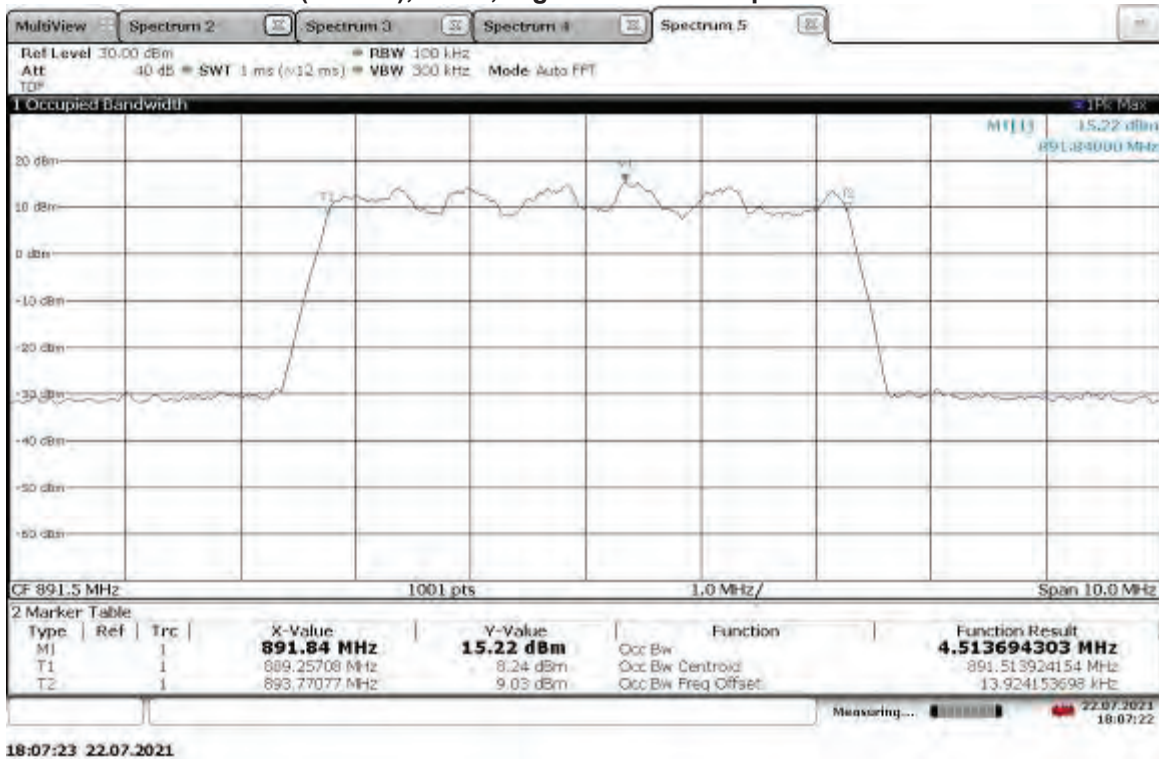


18:05:21 22.07.2021

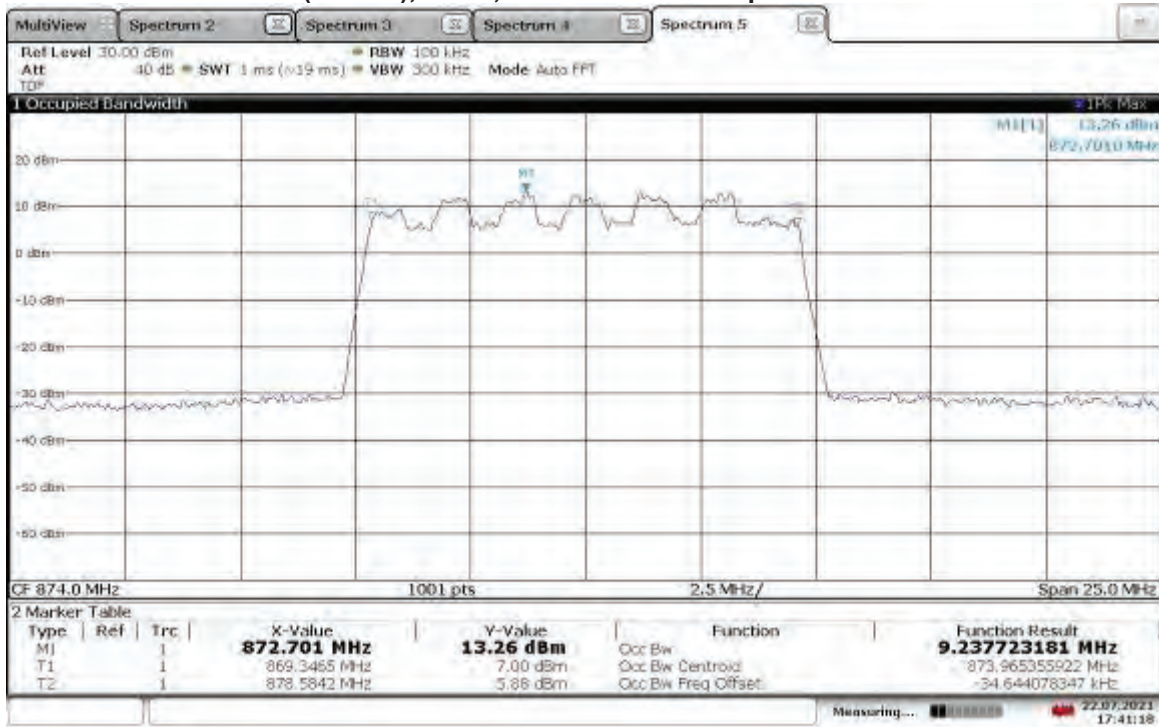
**TM3.2-16QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel Occupied Bandwidth**



**TM3.2-16QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel Occupied Bandwidth**

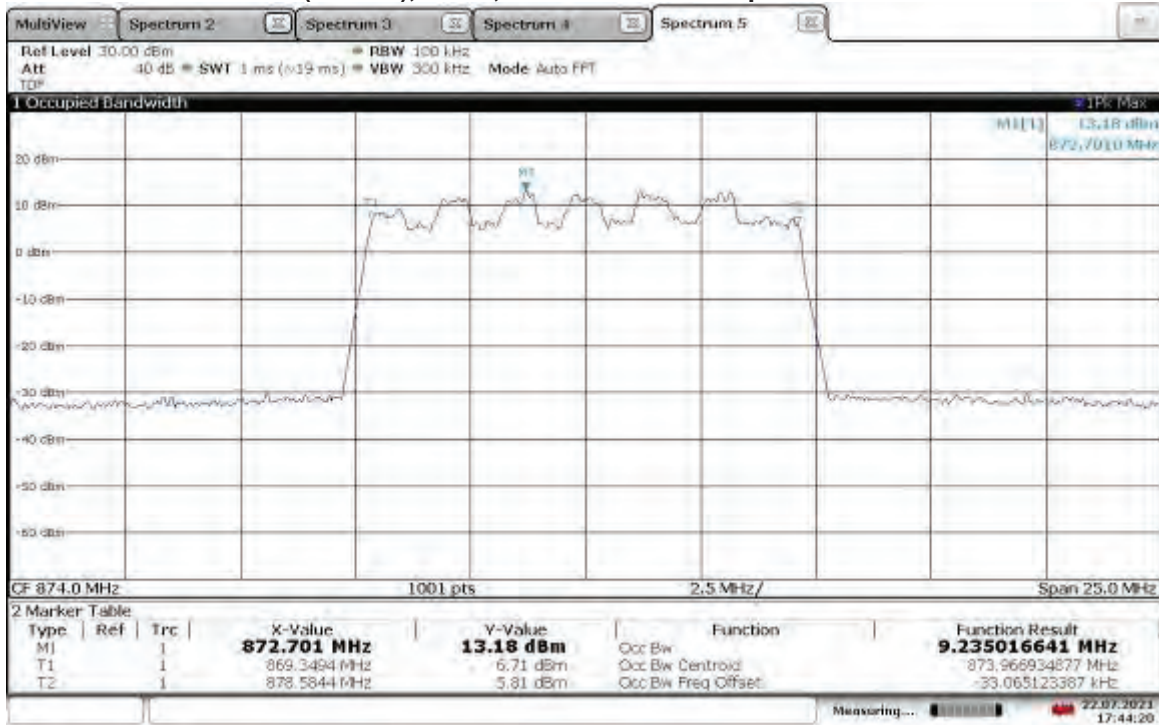


TM3.2-16QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel Occupied Bandwidth



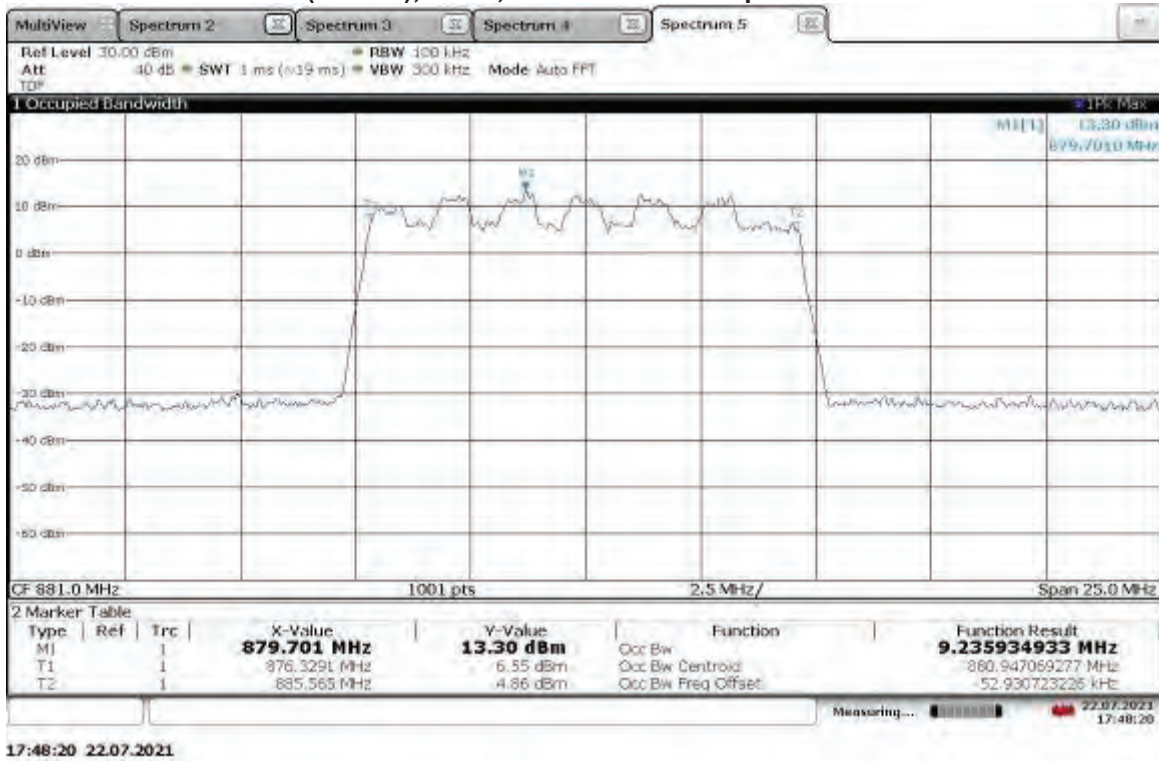
17:41:18 22.07.2021

TM3.2-16QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel Occupied Bandwidth

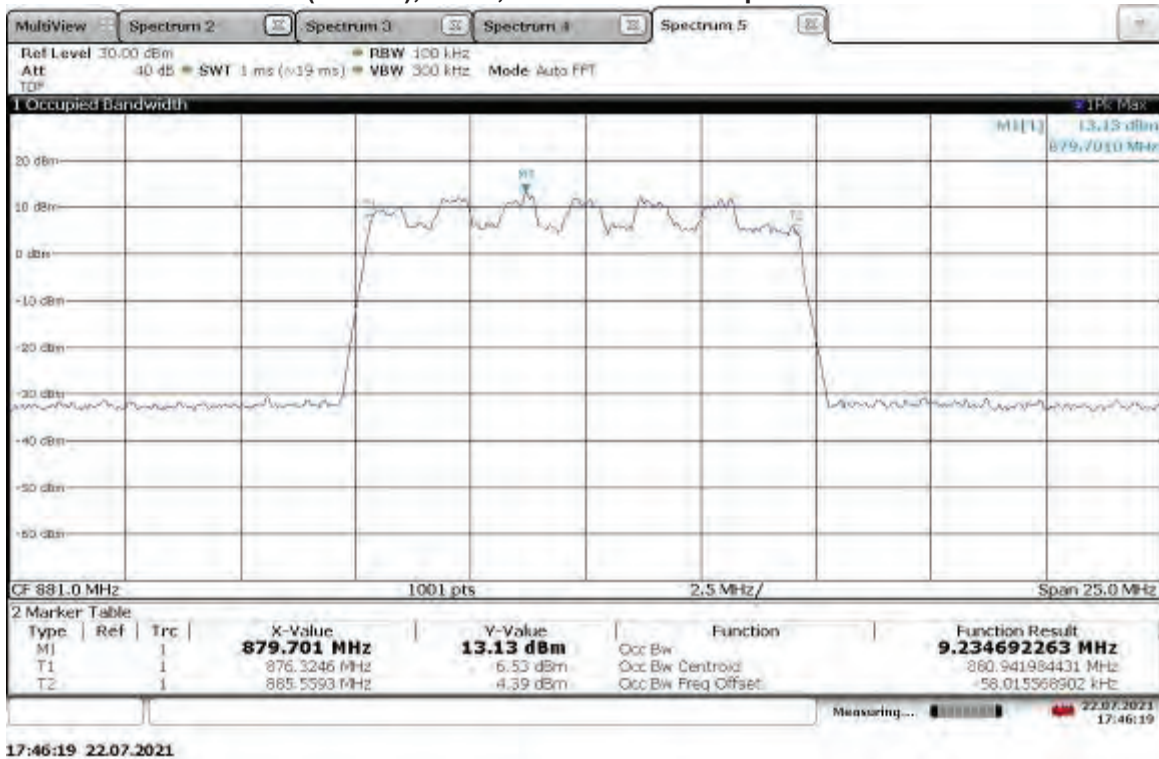


17:44:20 22.07.2021

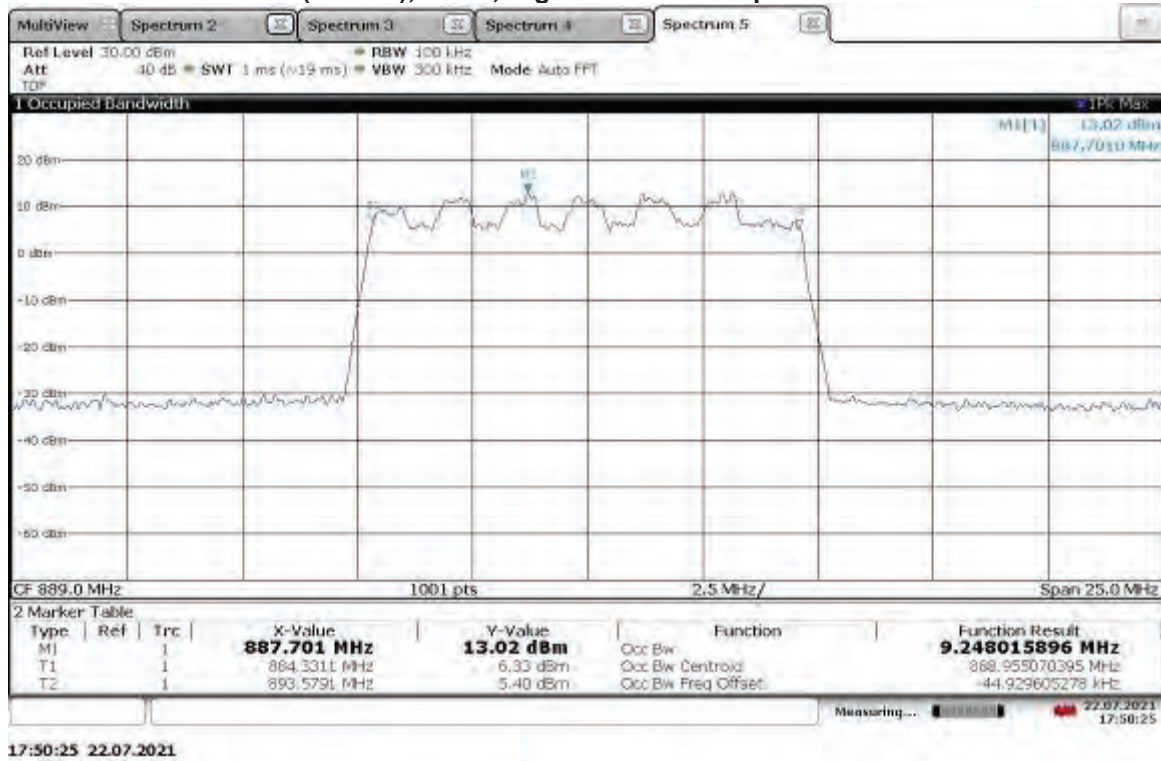
TM3.2-16QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel Occupied Bandwidth



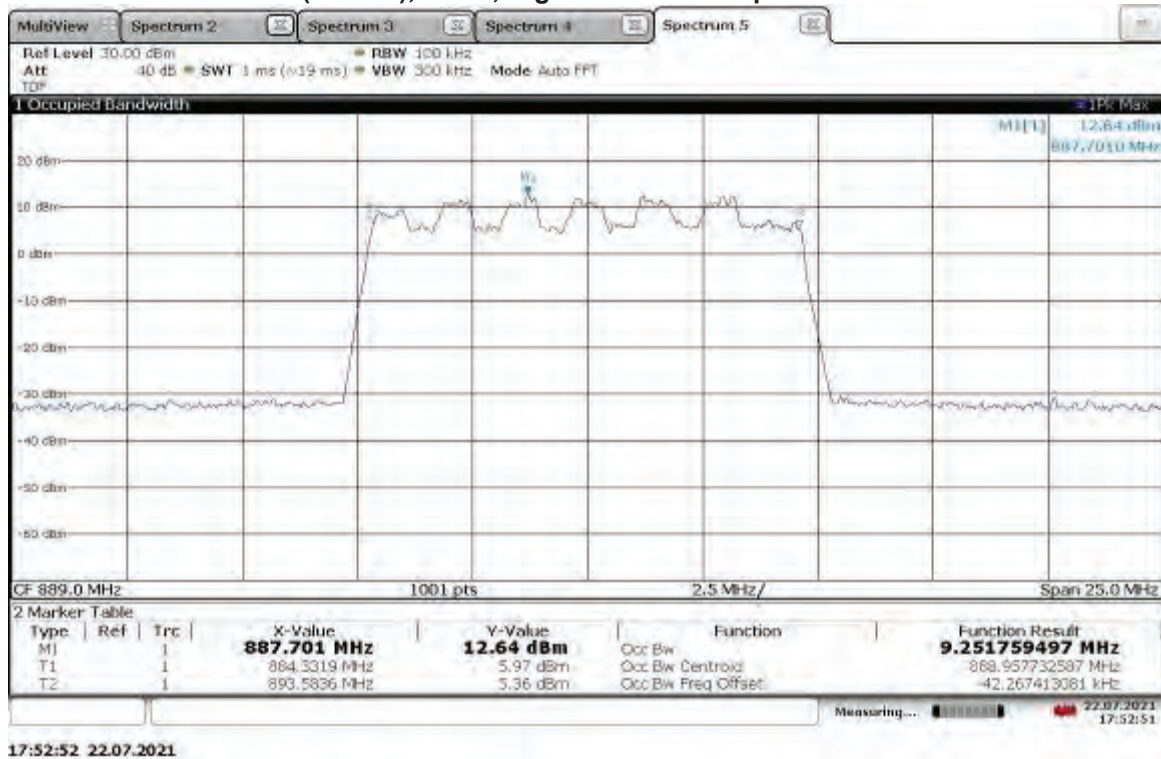
TM3.2-16QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel Occupied Bandwidth



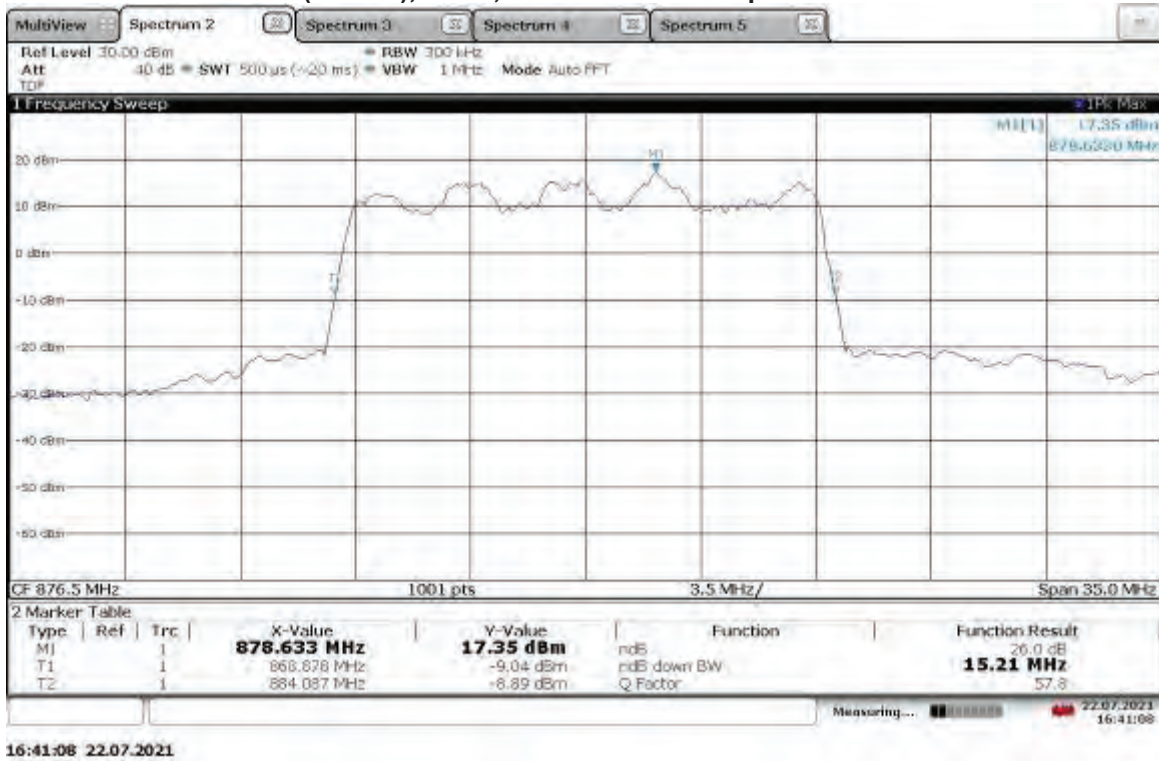
**TM3.2-16QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel Occupied Bandwidth**



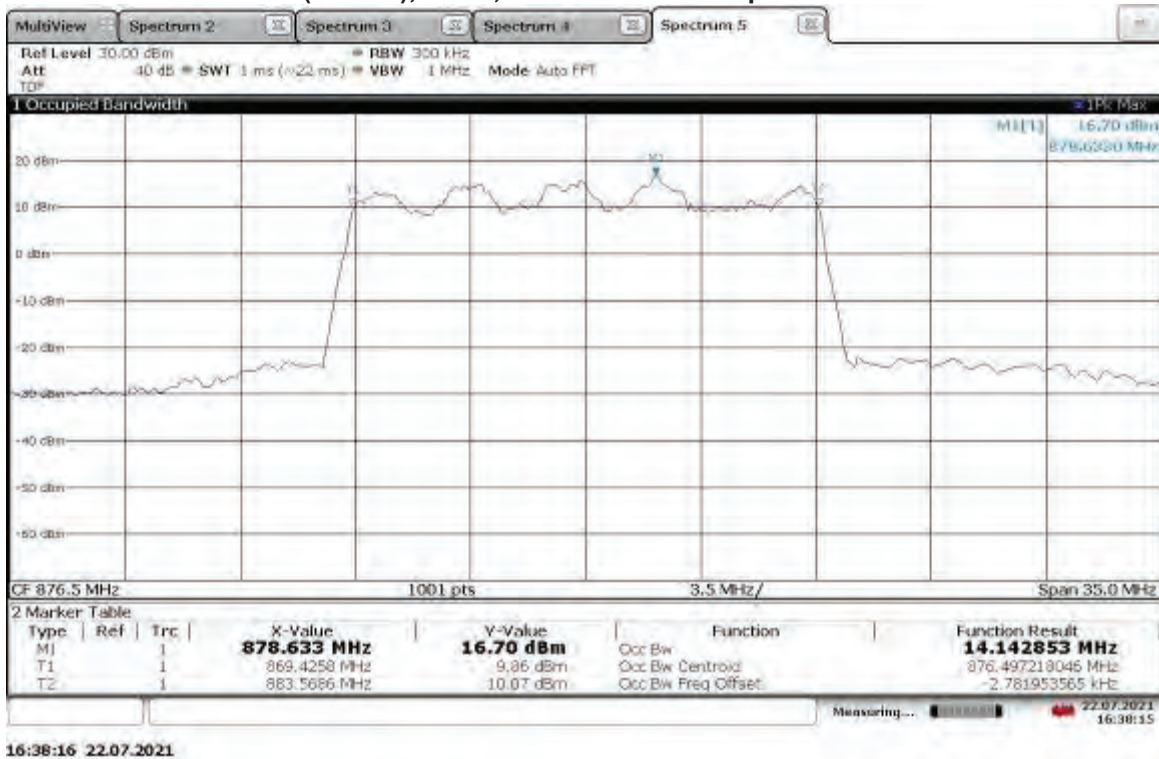
**TM3.2-16QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel Occupied Bandwidth**



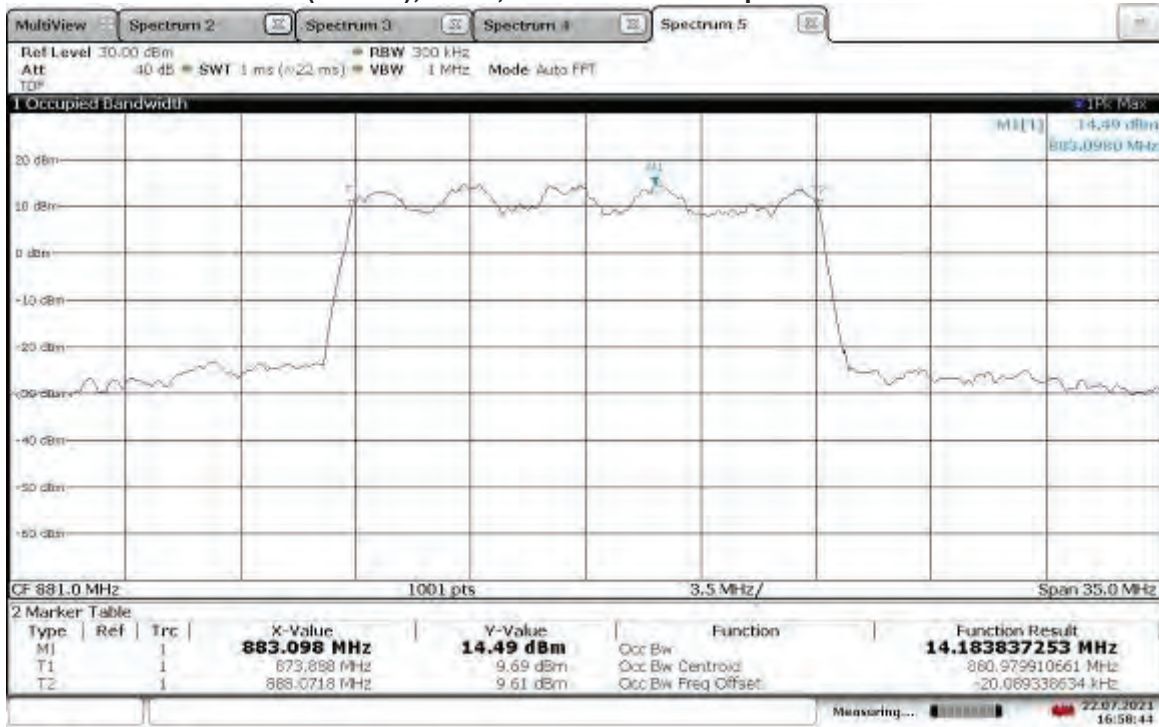
TM3.2-16QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel Occupied Bandwidth



TM3.2-16QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel Occupied Bandwidth

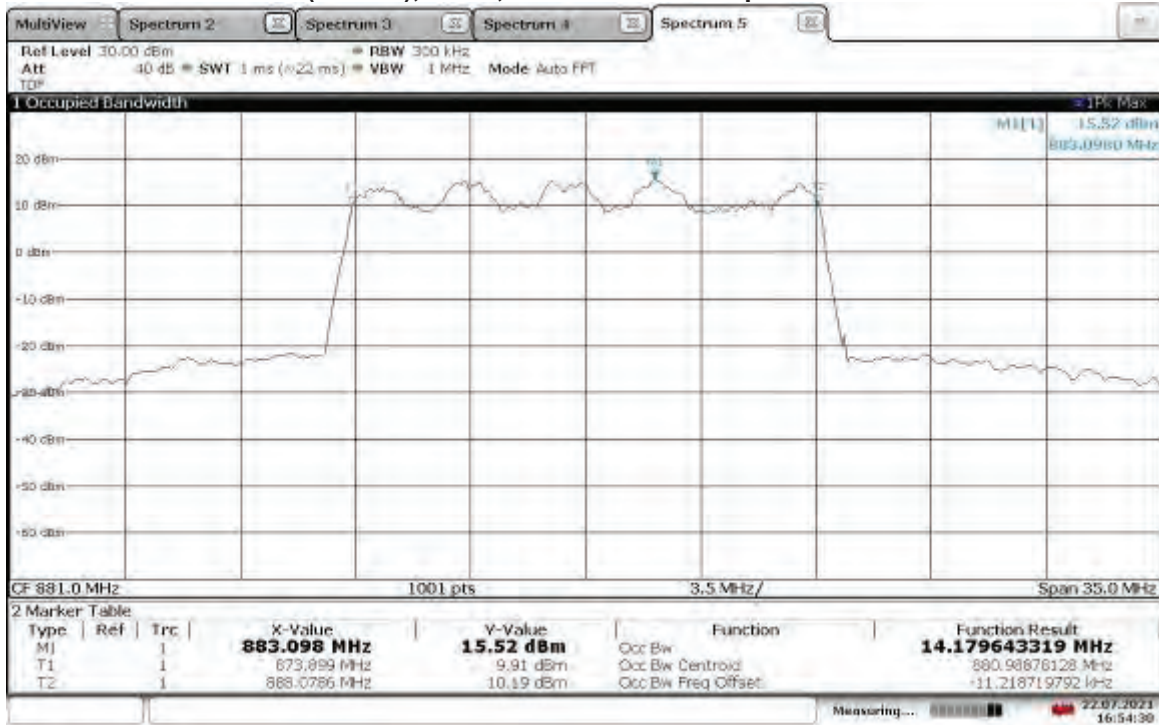


TM3.2-16QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel Occupied Bandwidth

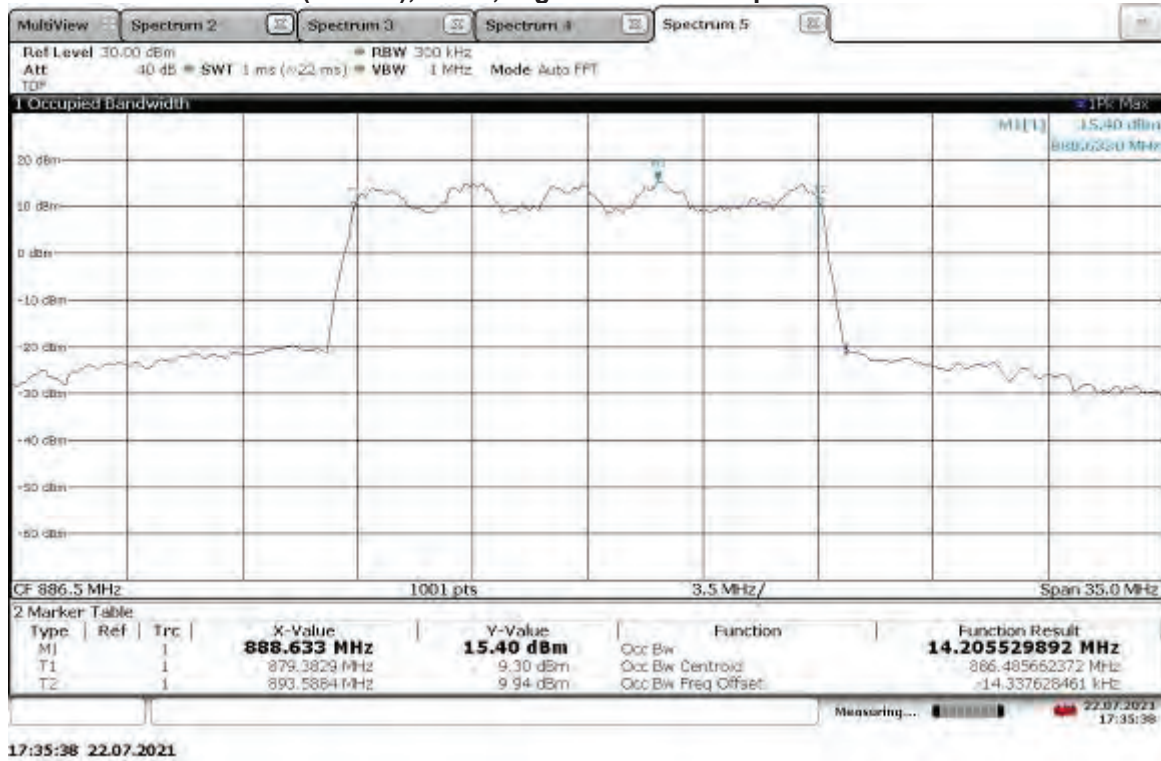
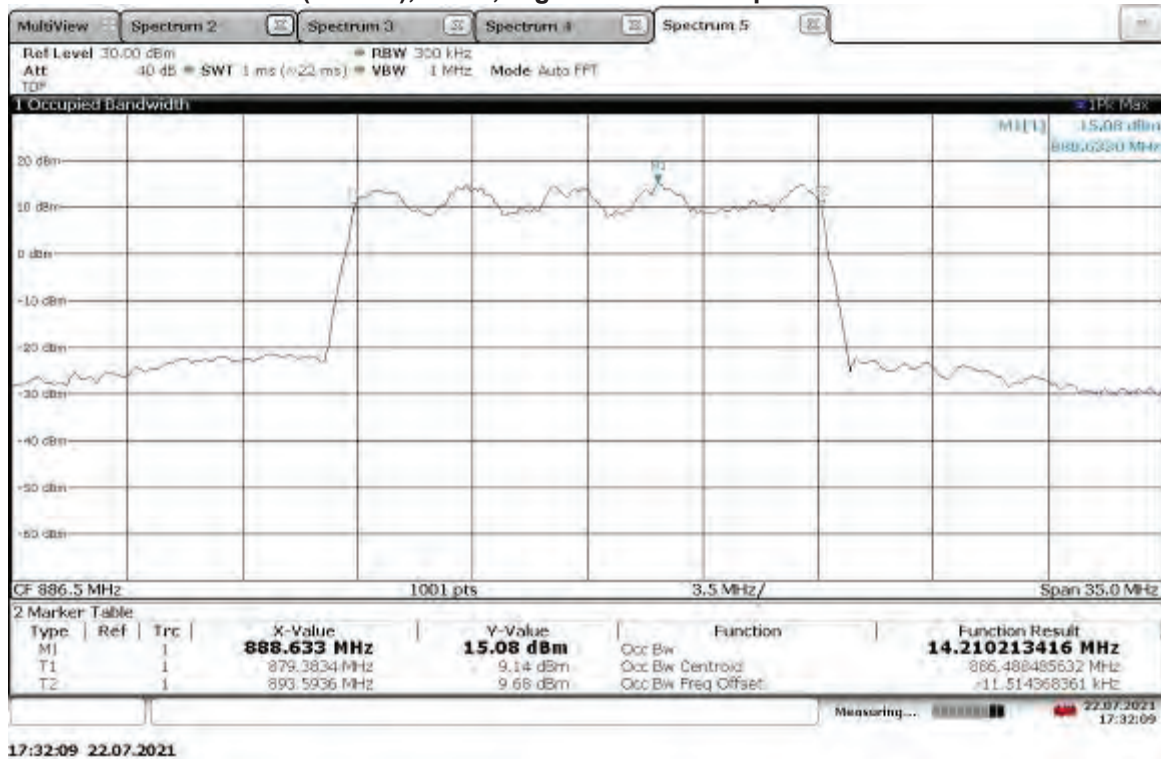


16:58:44 22.07.2021

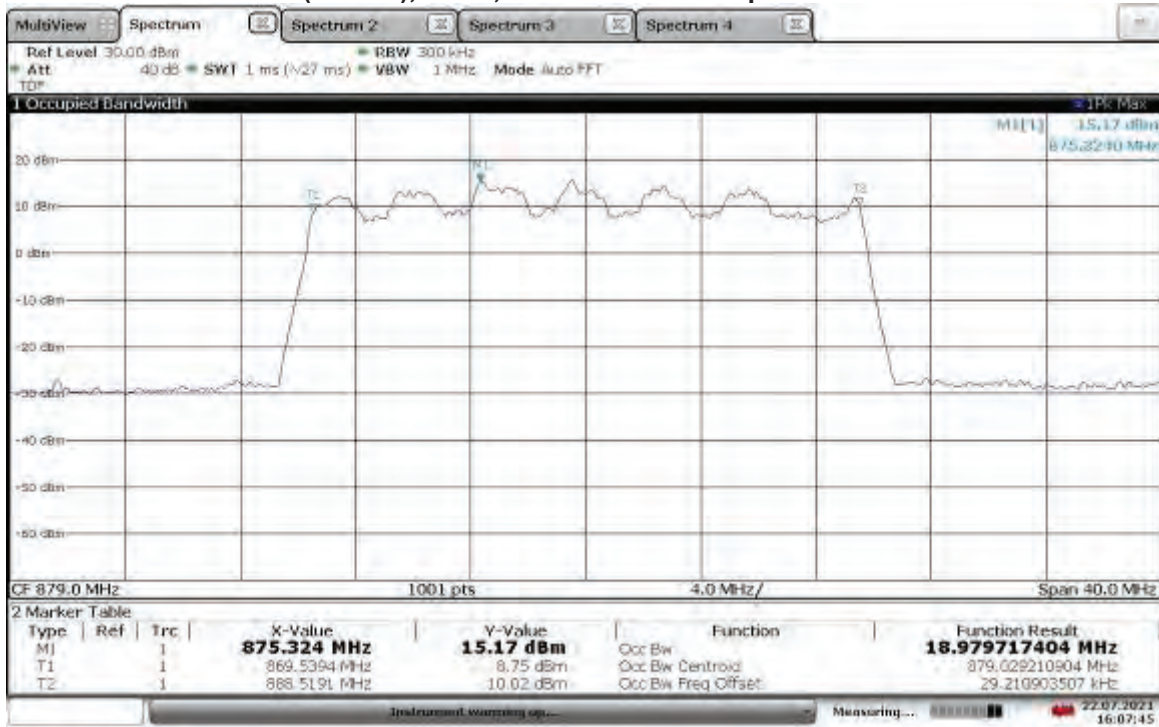
TM3.2-16QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel Occupied Bandwidth



16:54:39 22.07.2021

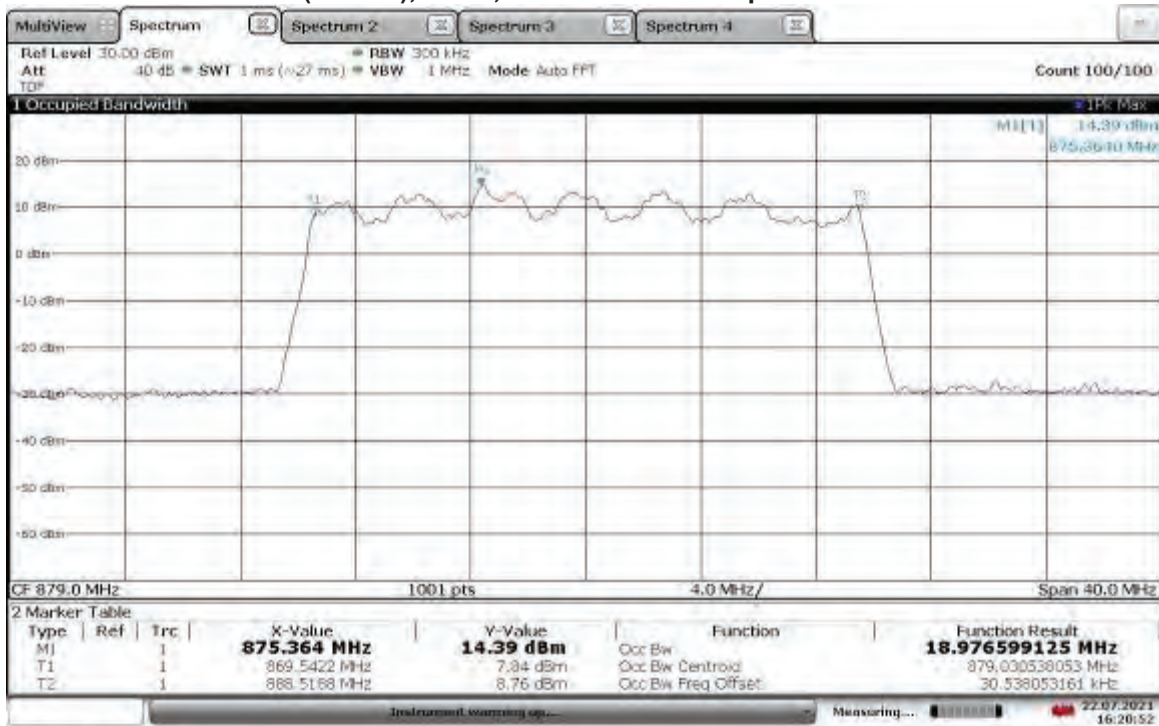
**TM3.2-16QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel Occupied Bandwidth****TM3.2-16QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel Occupied Bandwidth**

TM3.2-16QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel Occupied Bandwidth



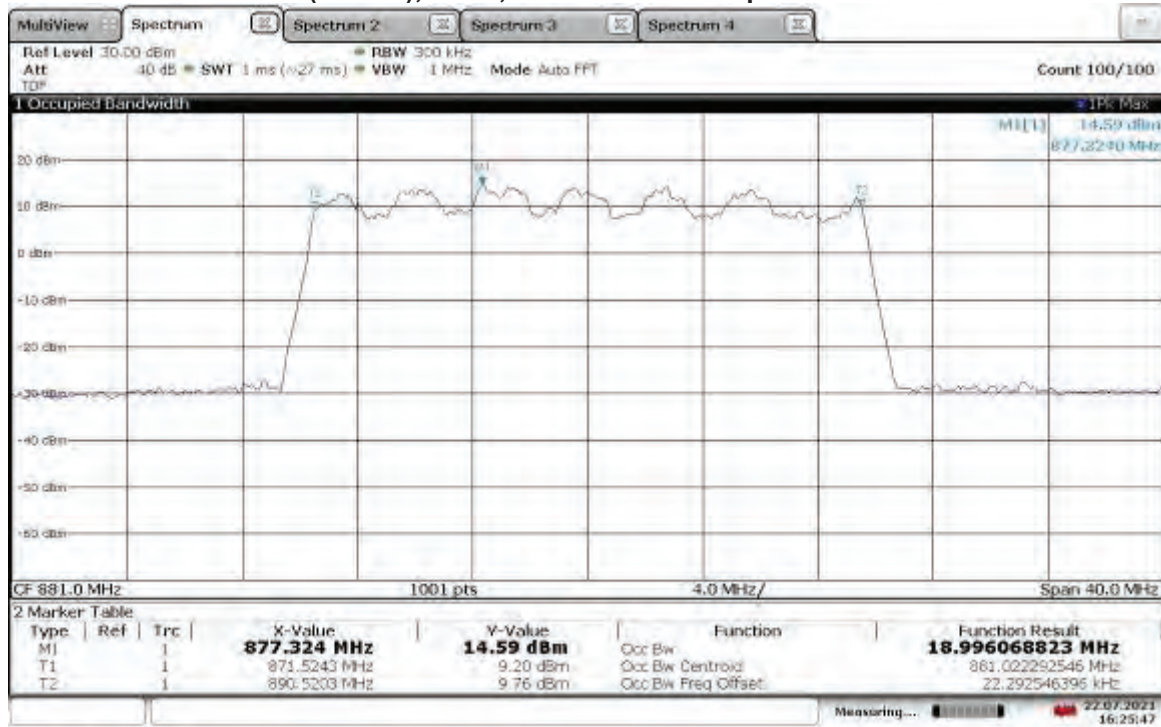
16:07:46 22.07.2021

TM3.2-16QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel Occupied Bandwidth



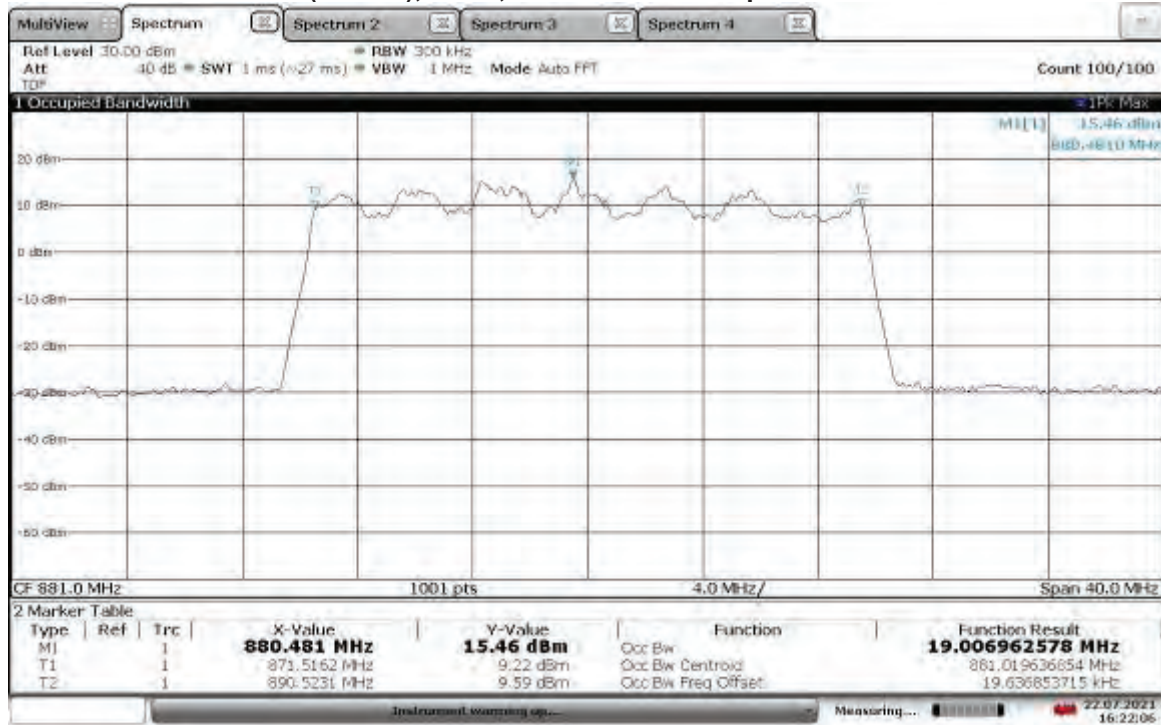
16:20:53 22.07.2021

**TM3.2-16QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel Occupied Bandwidth**



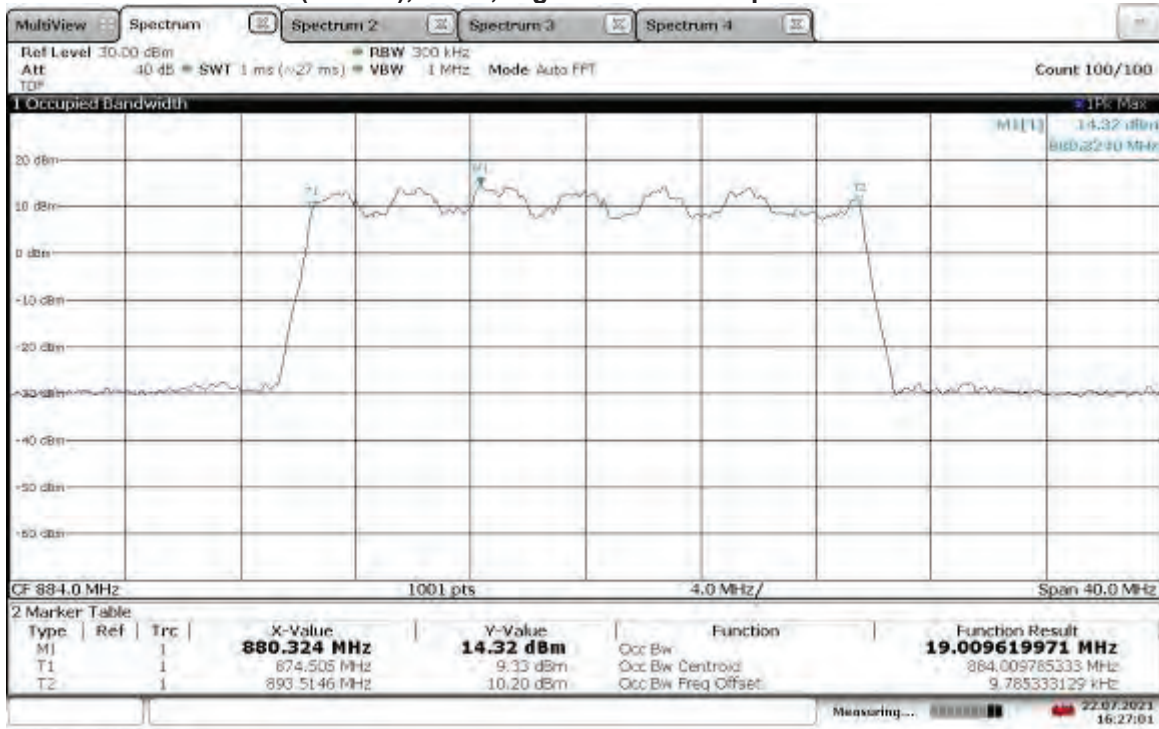
16:25:47 22.07.2021

**TM3.2-16QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel Occupied Bandwidth**



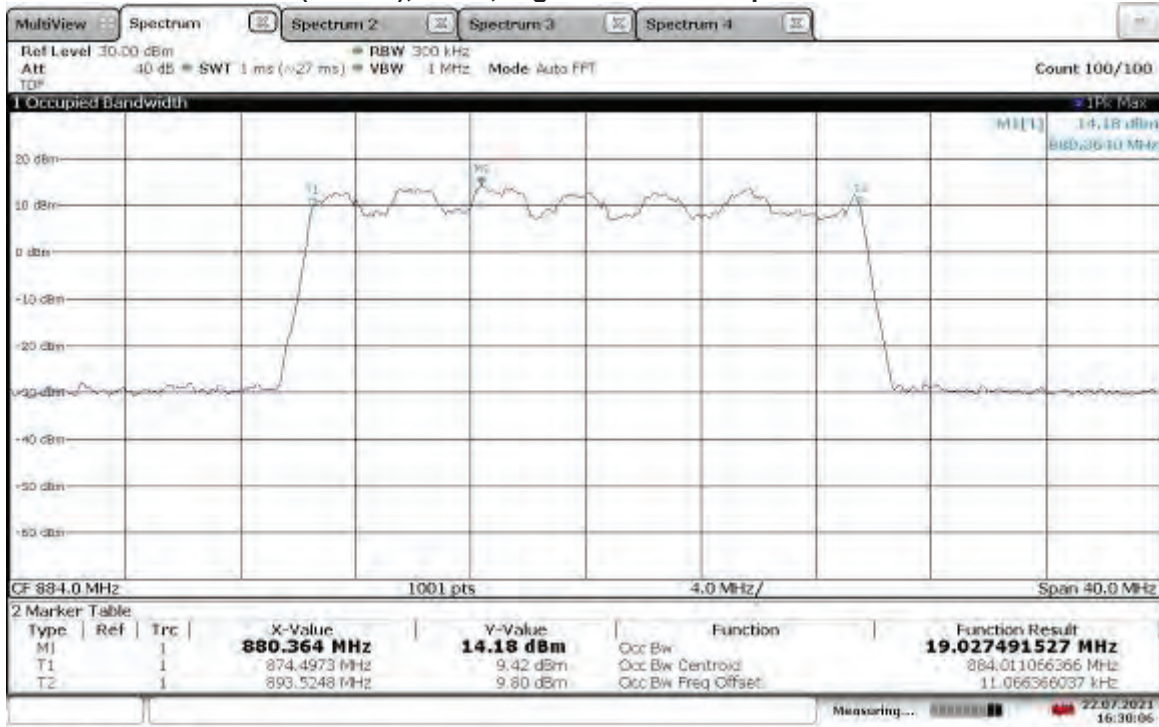
16:22:06 22.07.2021

TM3.2-16QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel Occupied Bandwidth



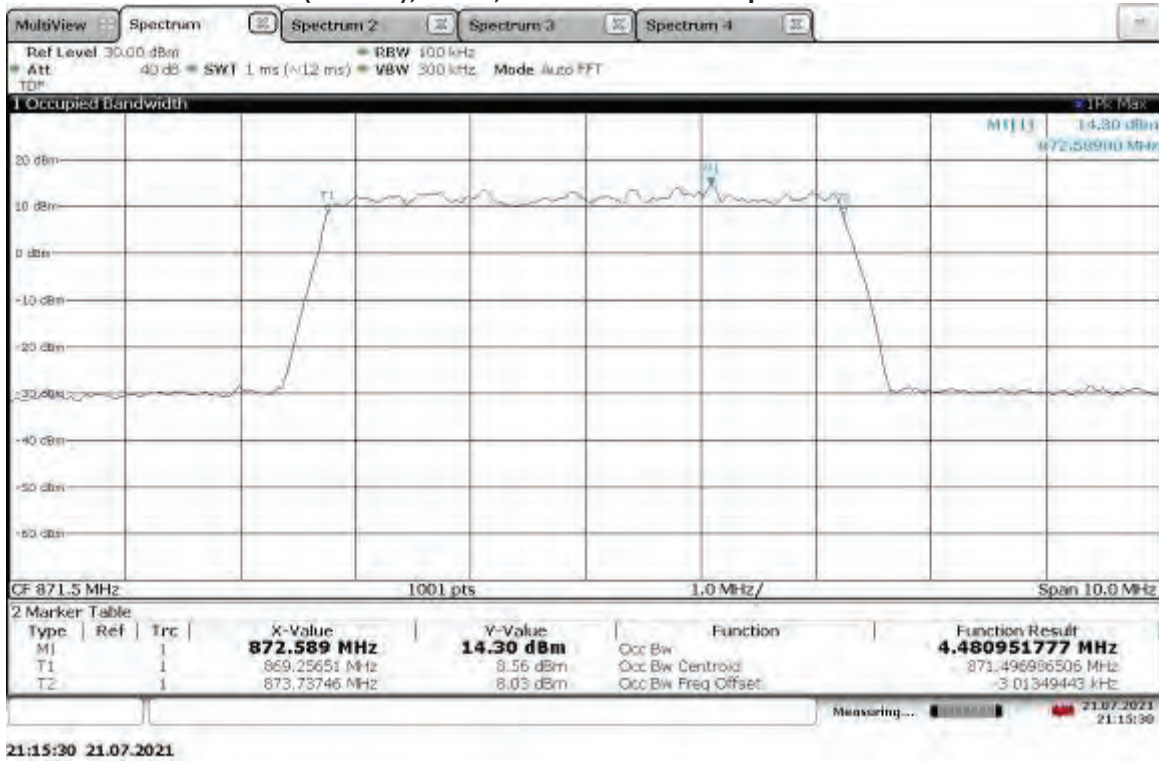
16:27:01 22.07.2021

TM3.2-16QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel Occupied Bandwidth

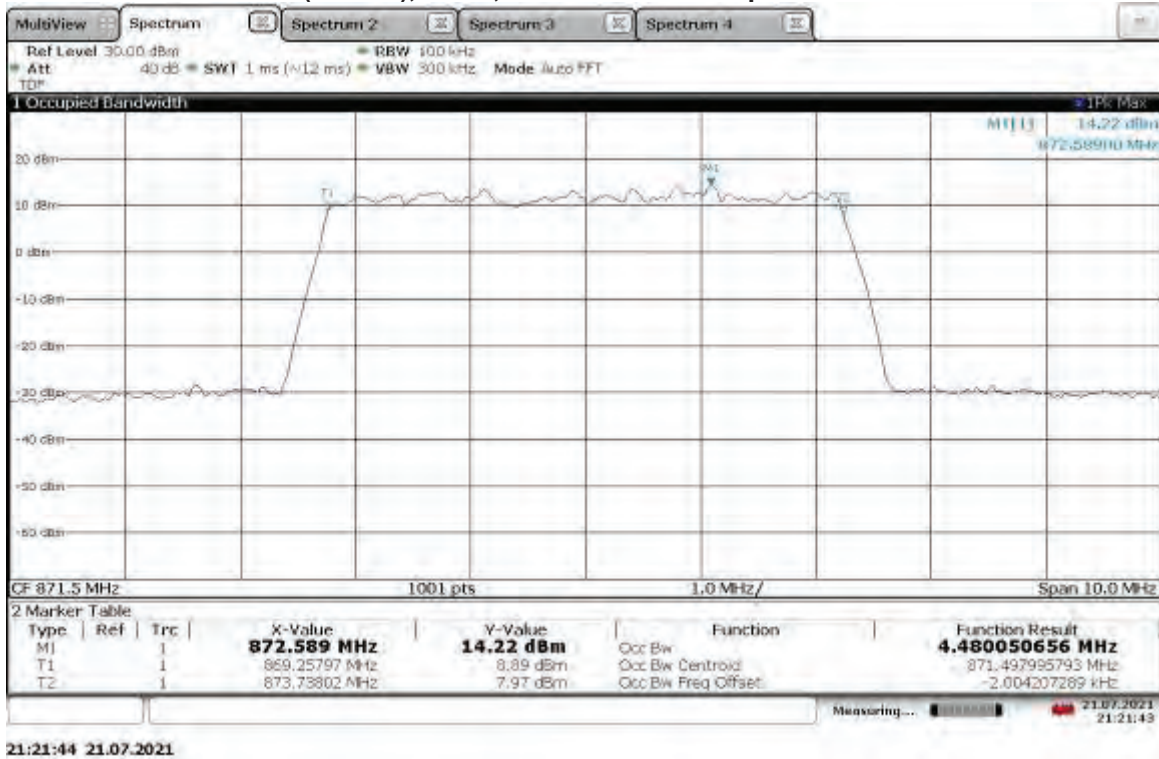


16:30:07 22.07.2021

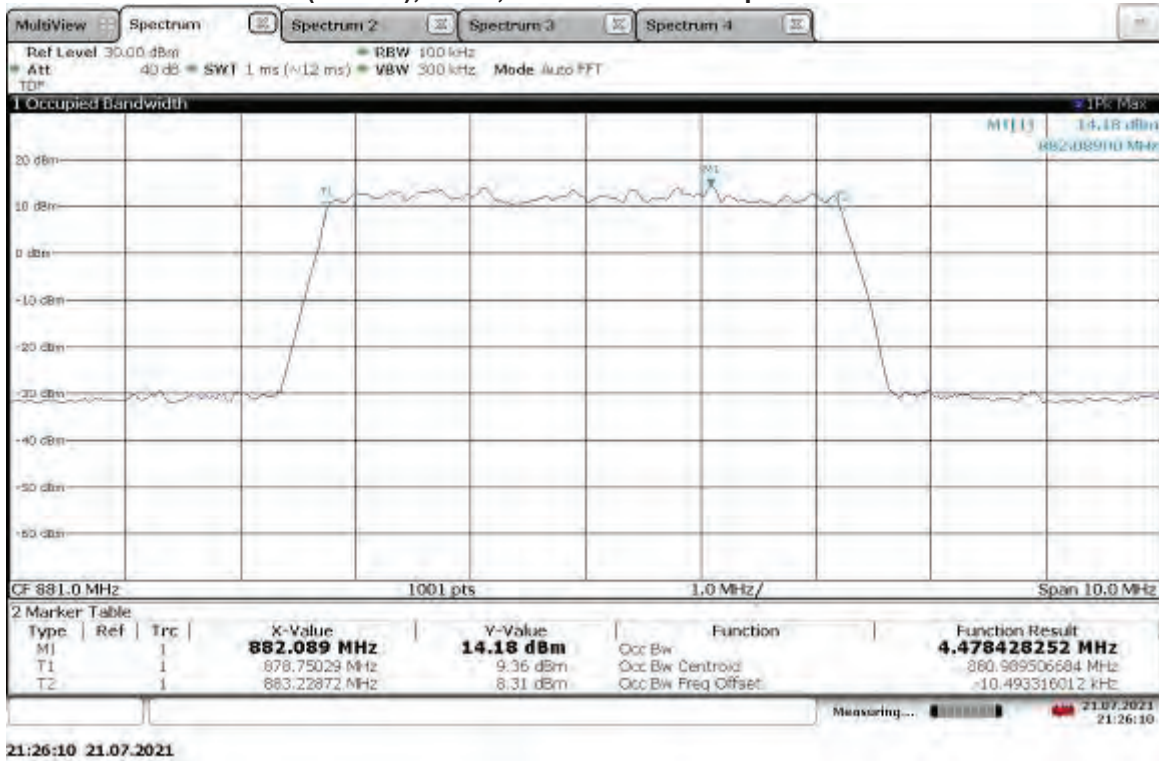
TM3.1-64QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel Occupied Bandwidth



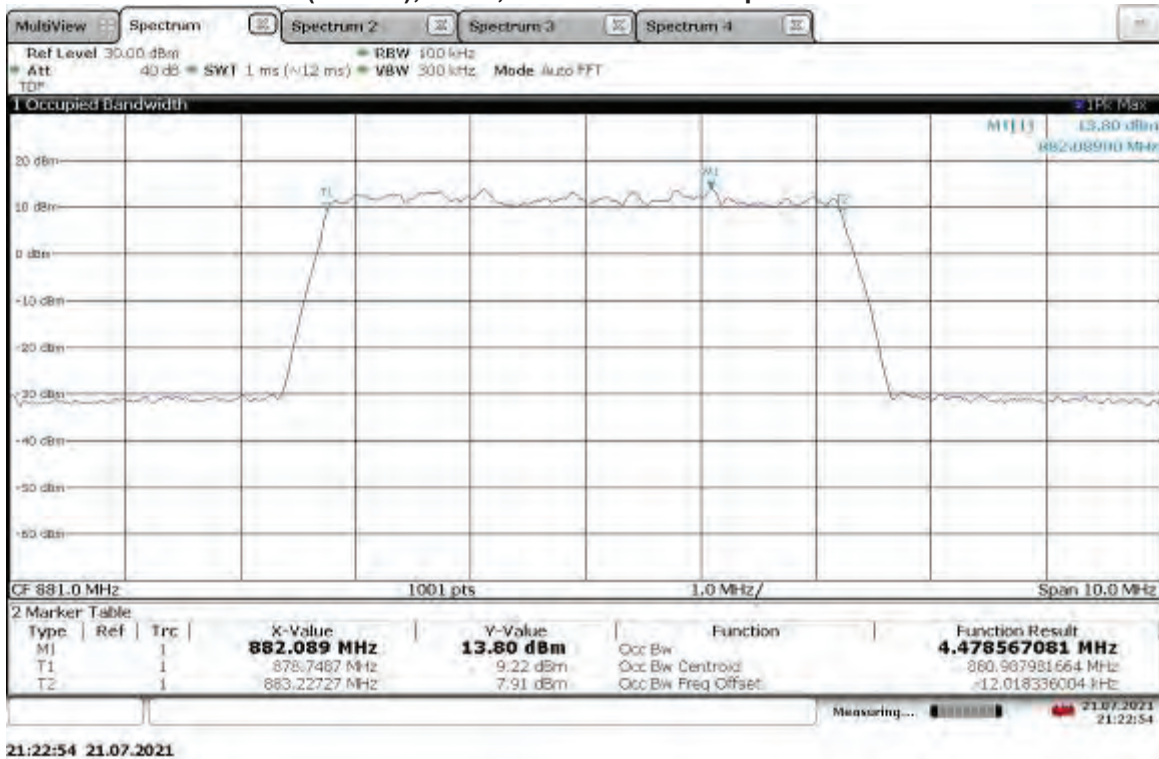
TM3.1-64QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel Occupied Bandwidth



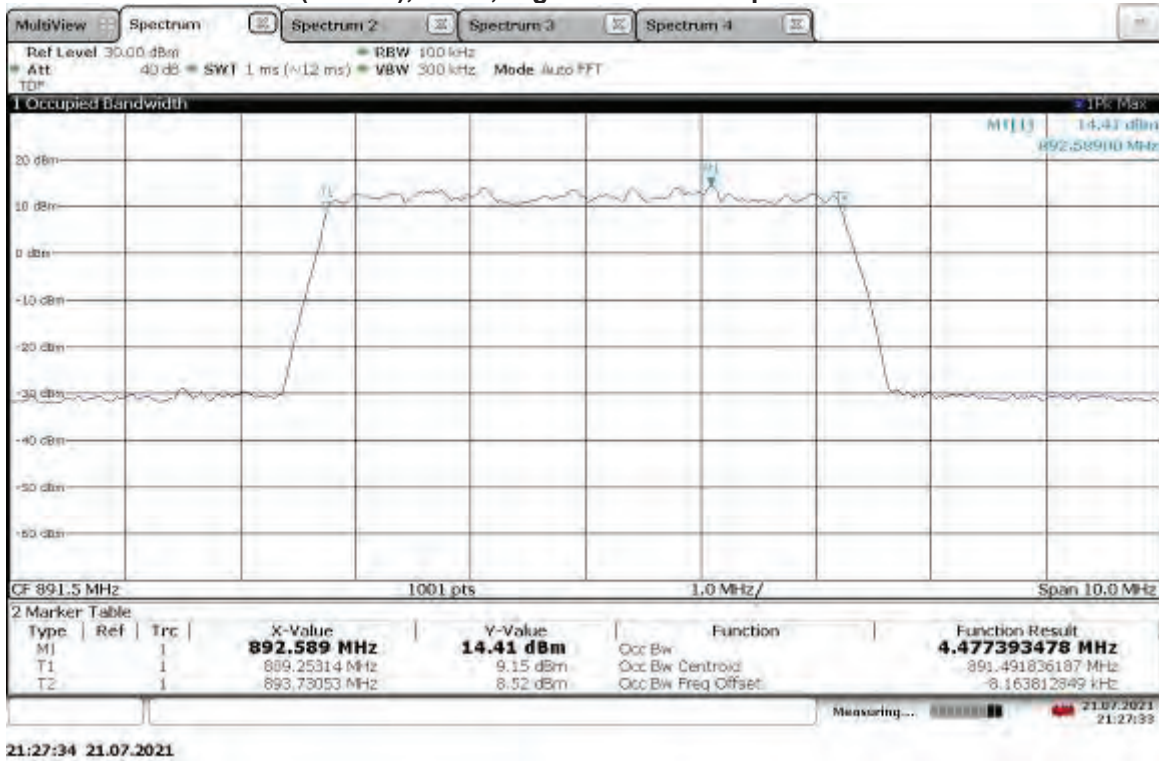
TM3.1-64QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel Occupied Bandwidth



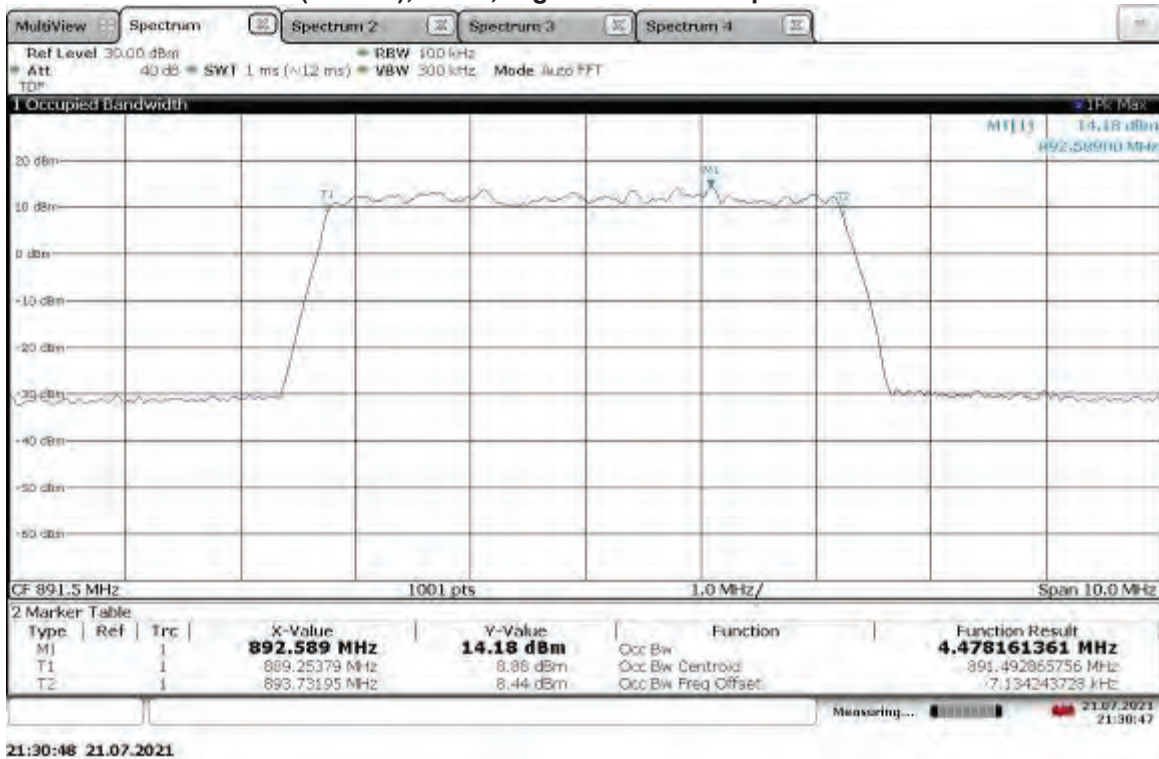
TM3.1-64QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel Occupied Bandwidth

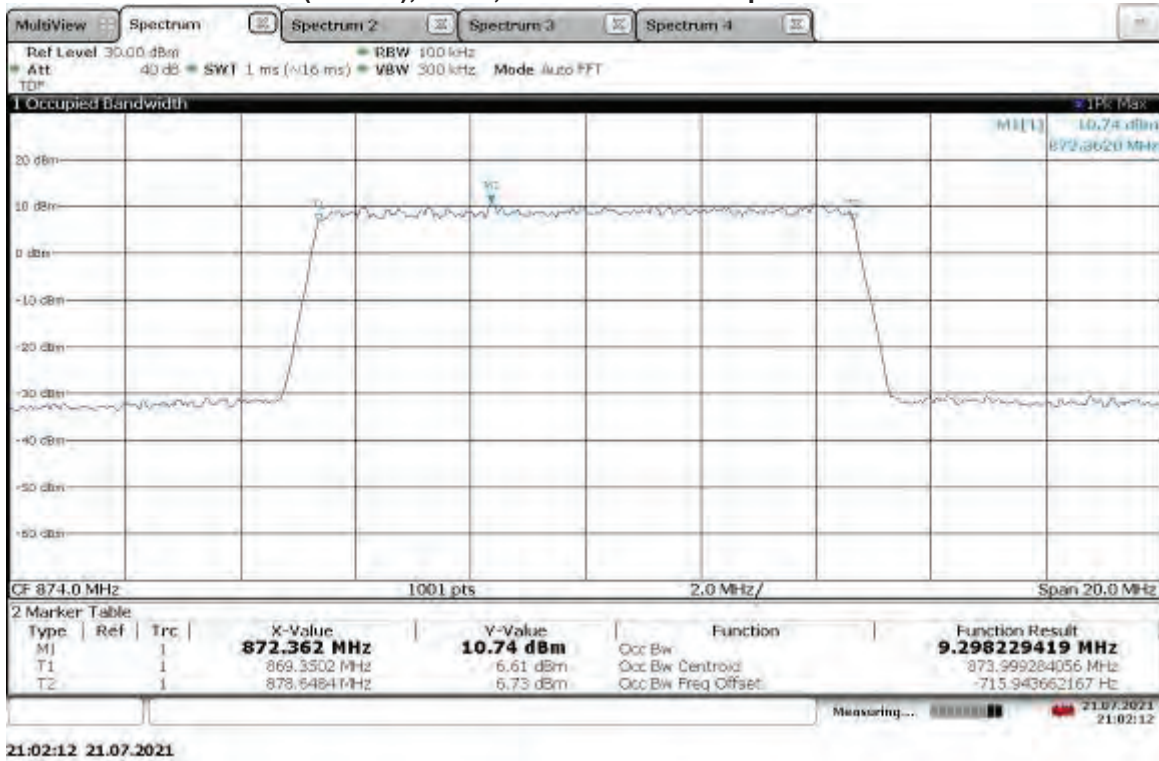
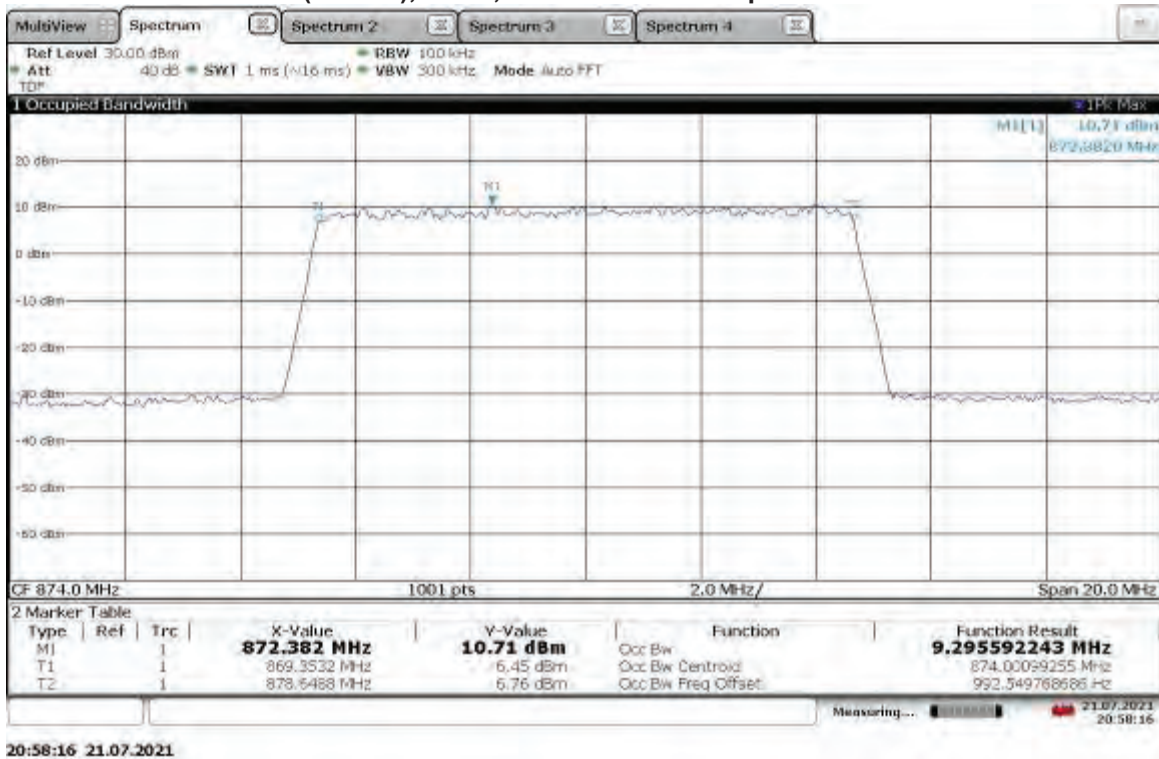


**TM3.1-64QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel Occupied Bandwidth**

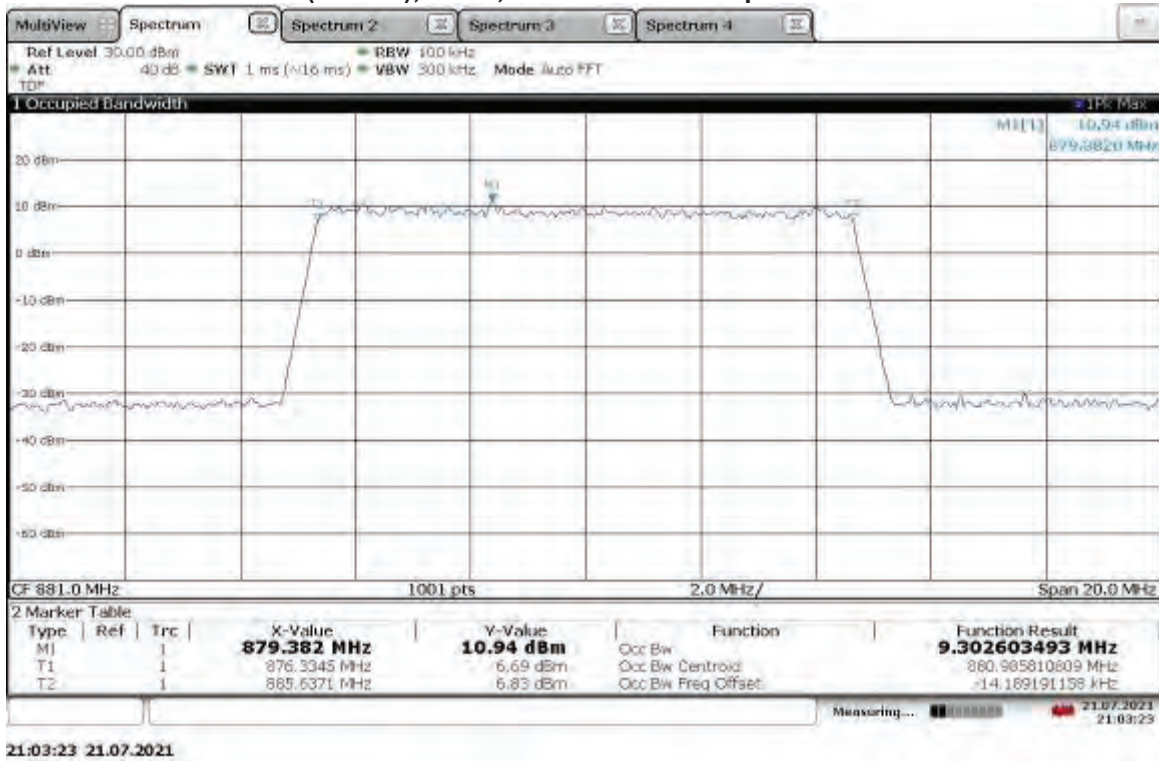


**TM3.1-64QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel Occupied Bandwidth**

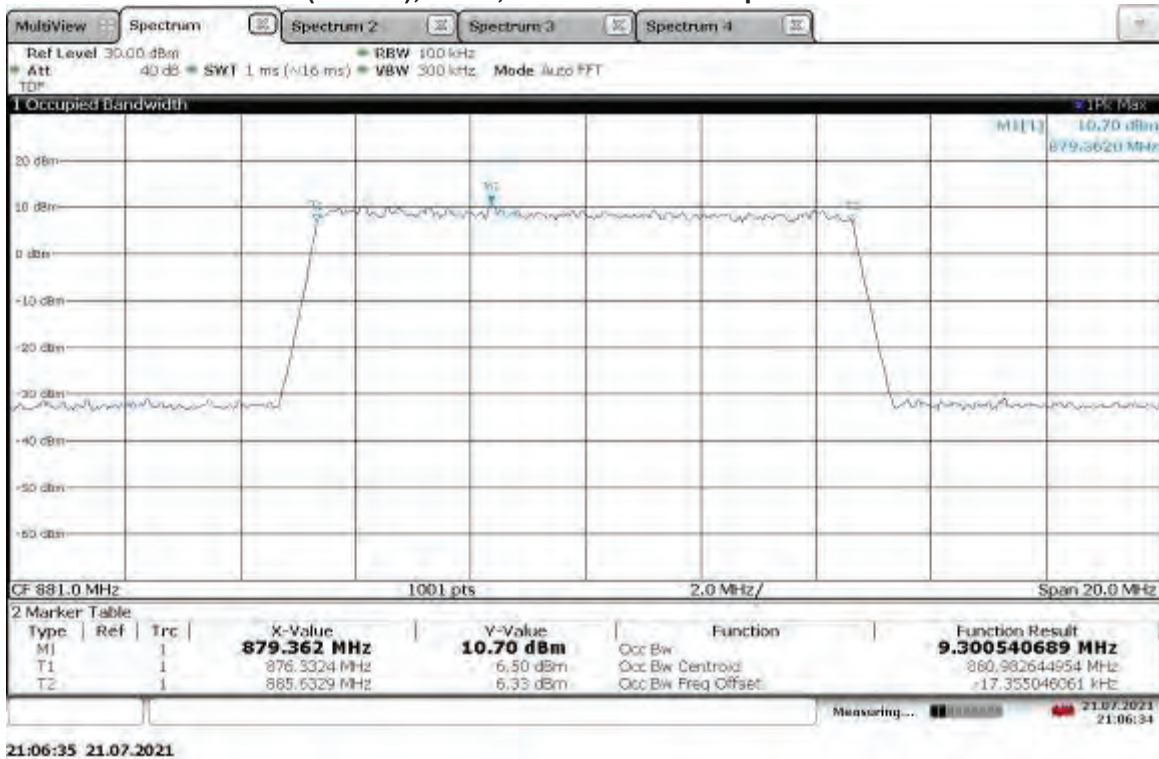


**TM3.1-64QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel Occupied Bandwidth****TM3.1-64QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel Occupied Bandwidth**

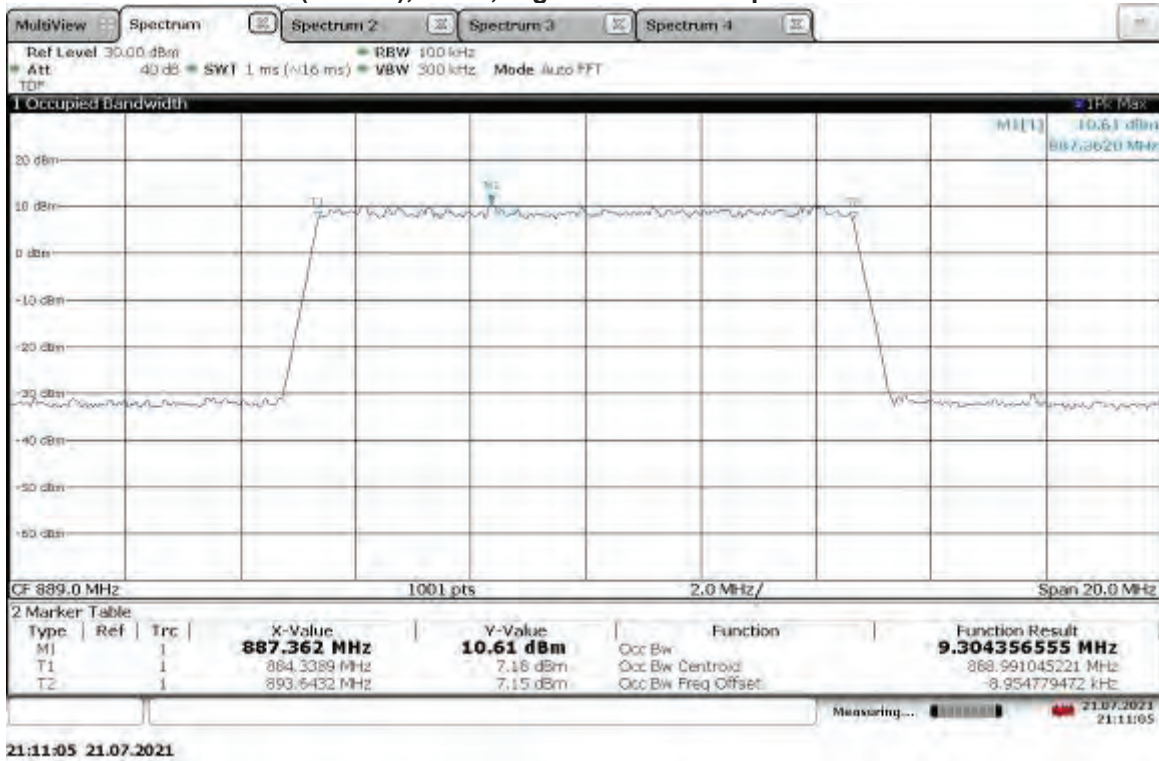
TM3.1-64QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel Occupied Bandwidth



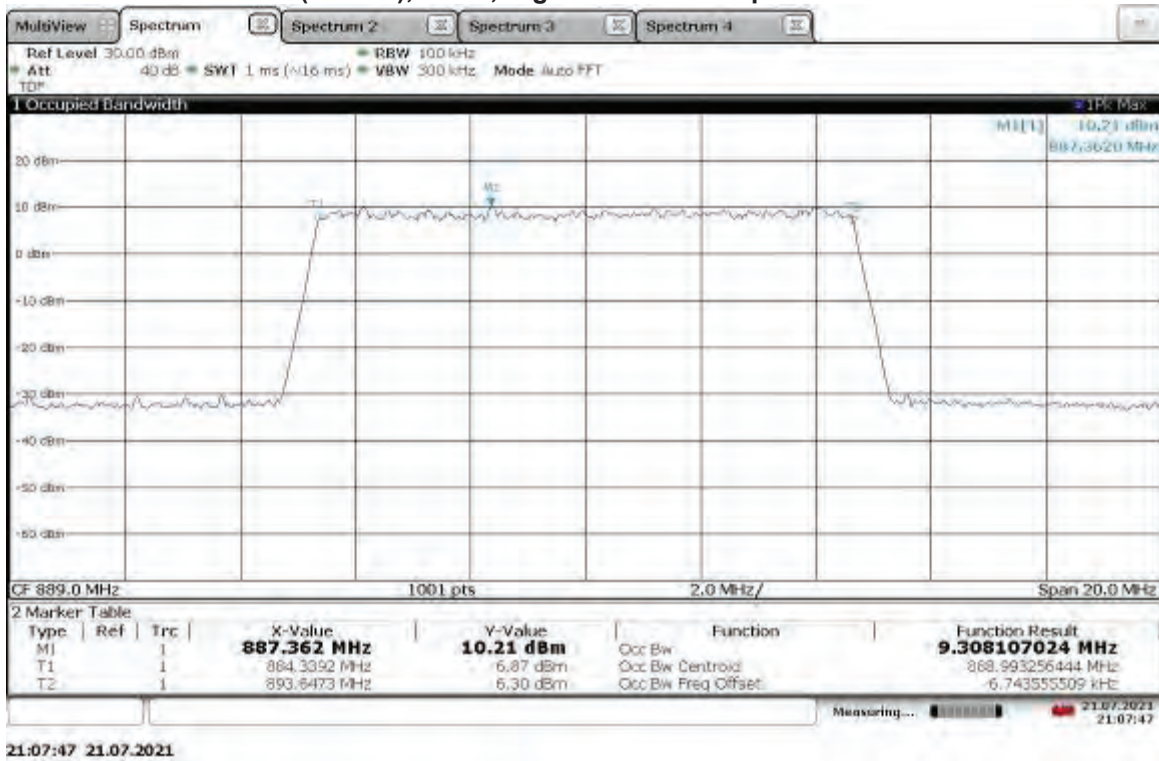
TM3.1-64QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel Occupied Bandwidth



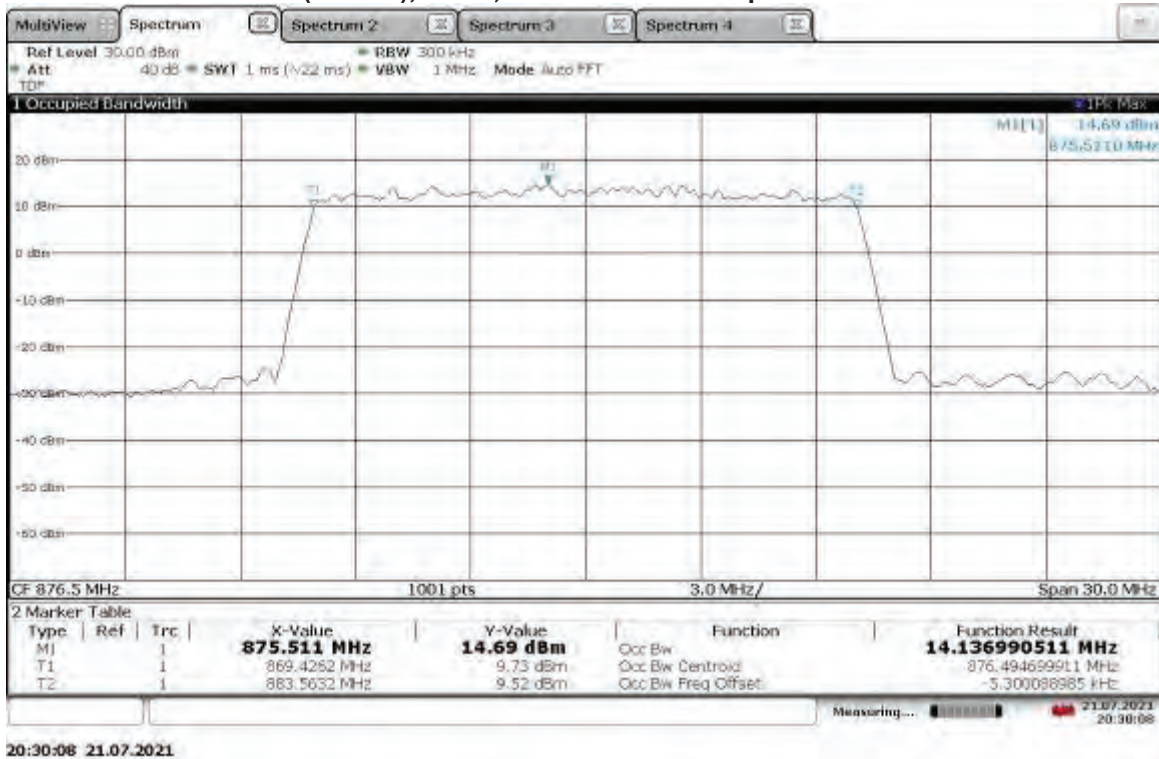
TM3.1-64QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel Occupied Bandwidth



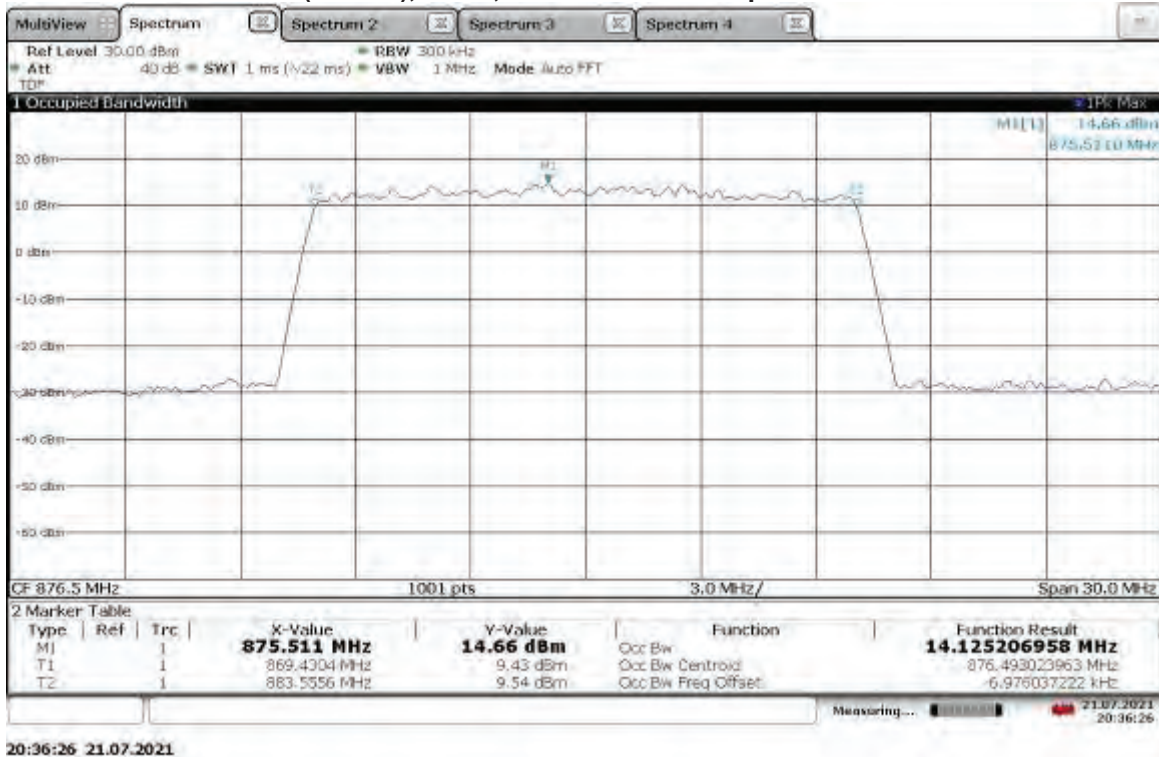
TM3.1-64QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel Occupied Bandwidth



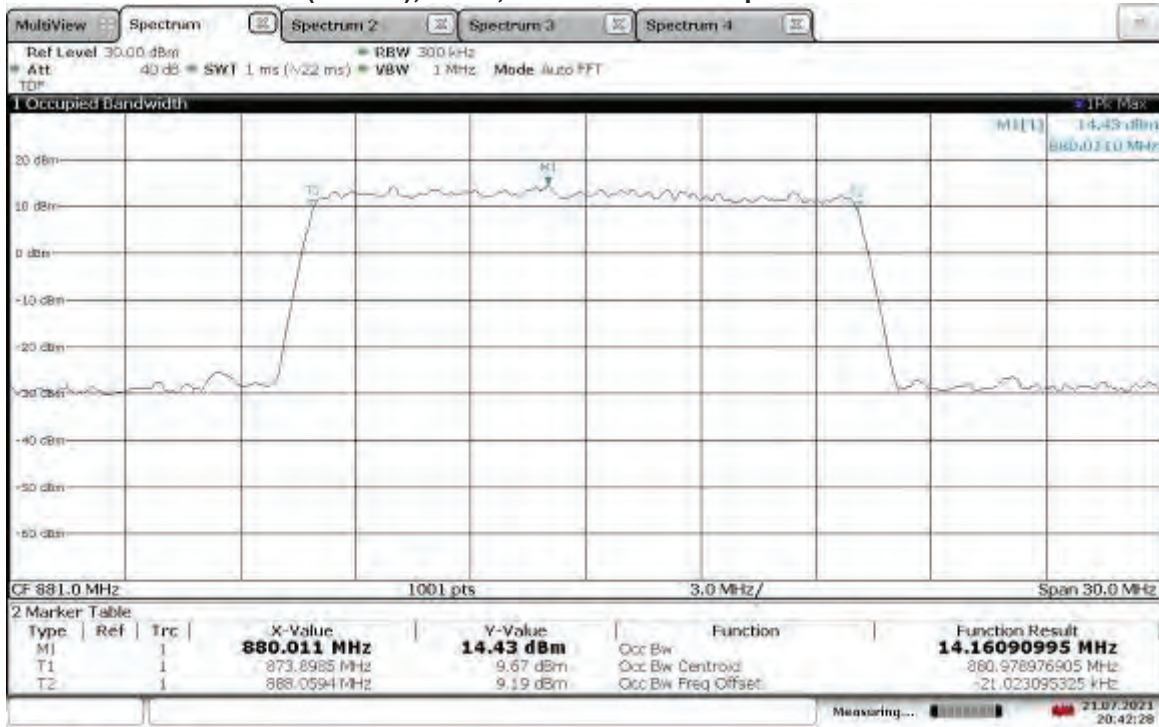
**TM3.1-64QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel Occupied Bandwidth**



**TM3.1-64QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel Occupied Bandwidth**

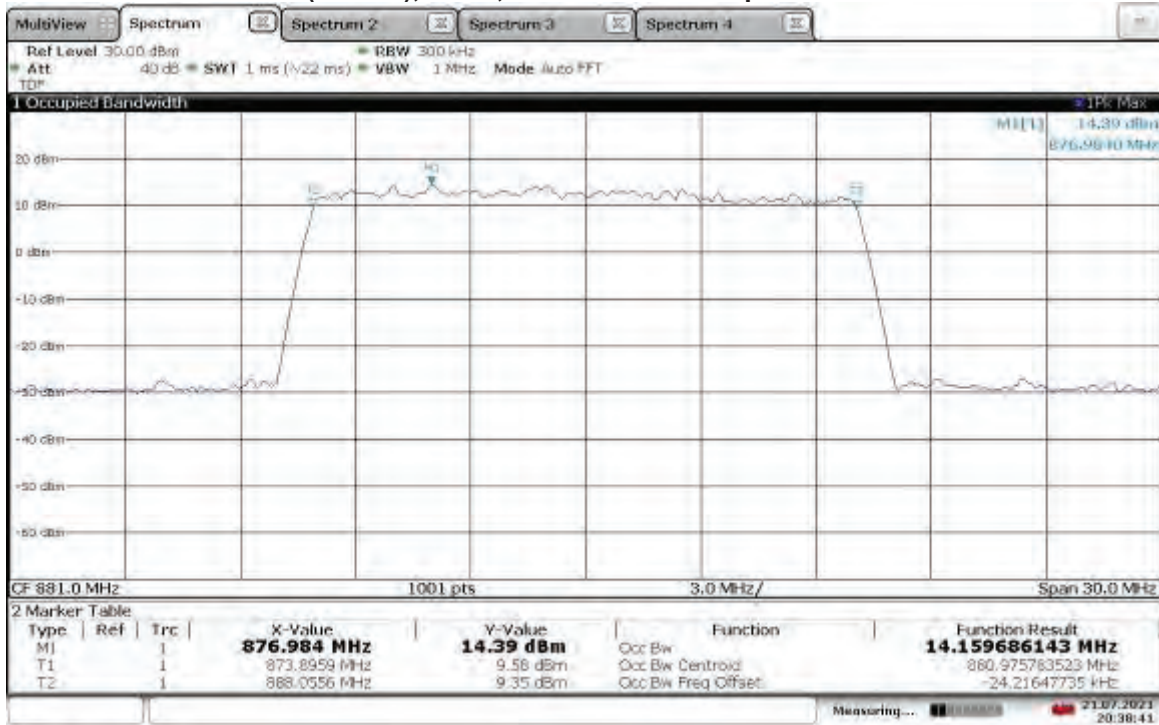


TM3.1-64QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel Occupied Bandwidth



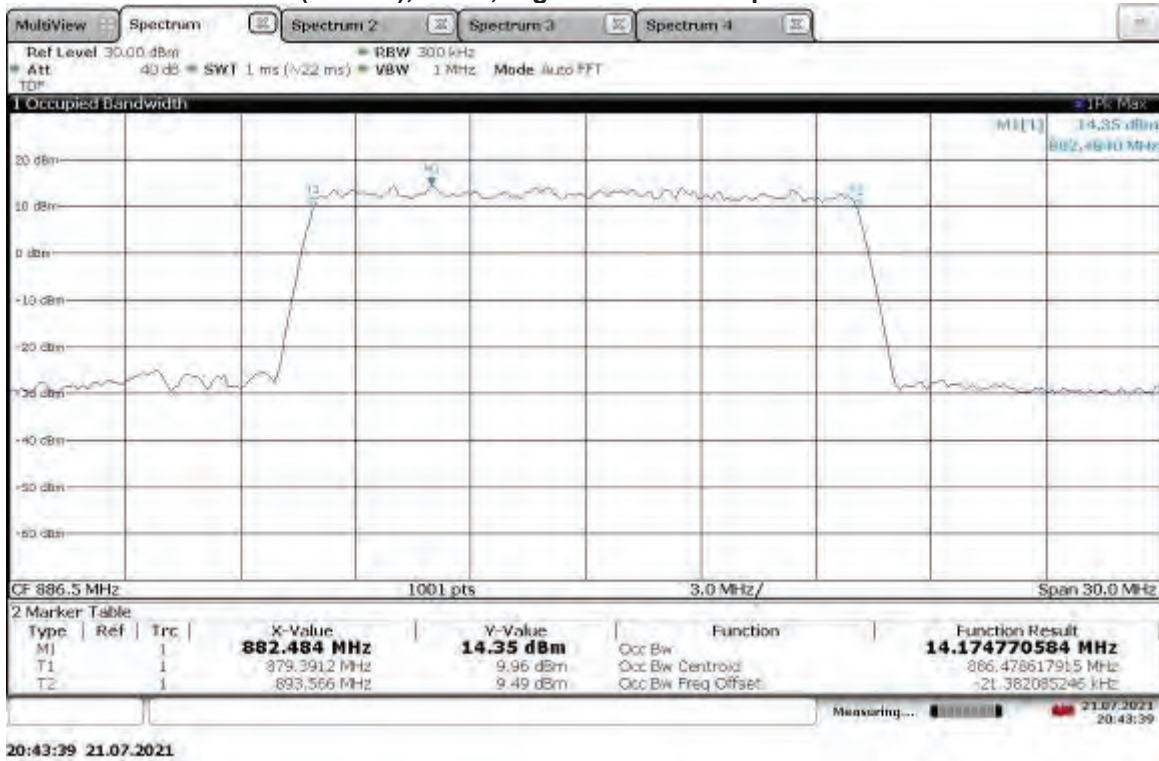
20:42:29 21.07.2021

TM3.1-64QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel Occupied Bandwidth

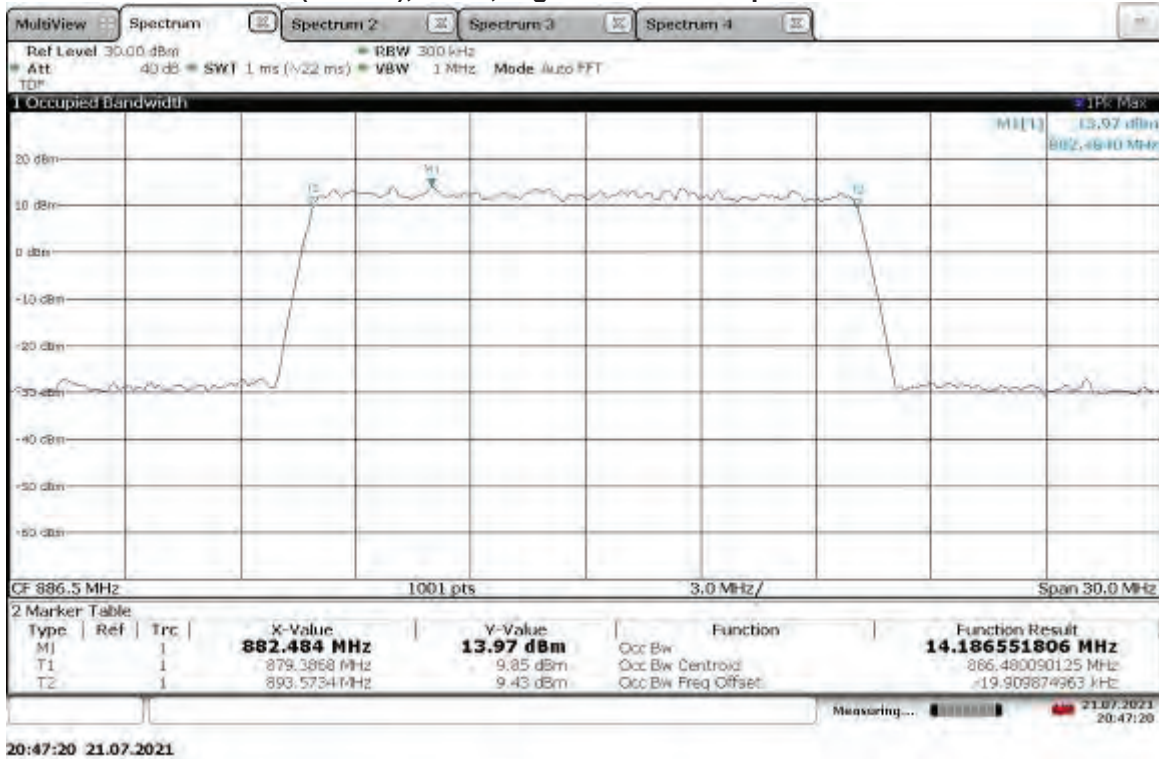


20:38:41 21.07.2021

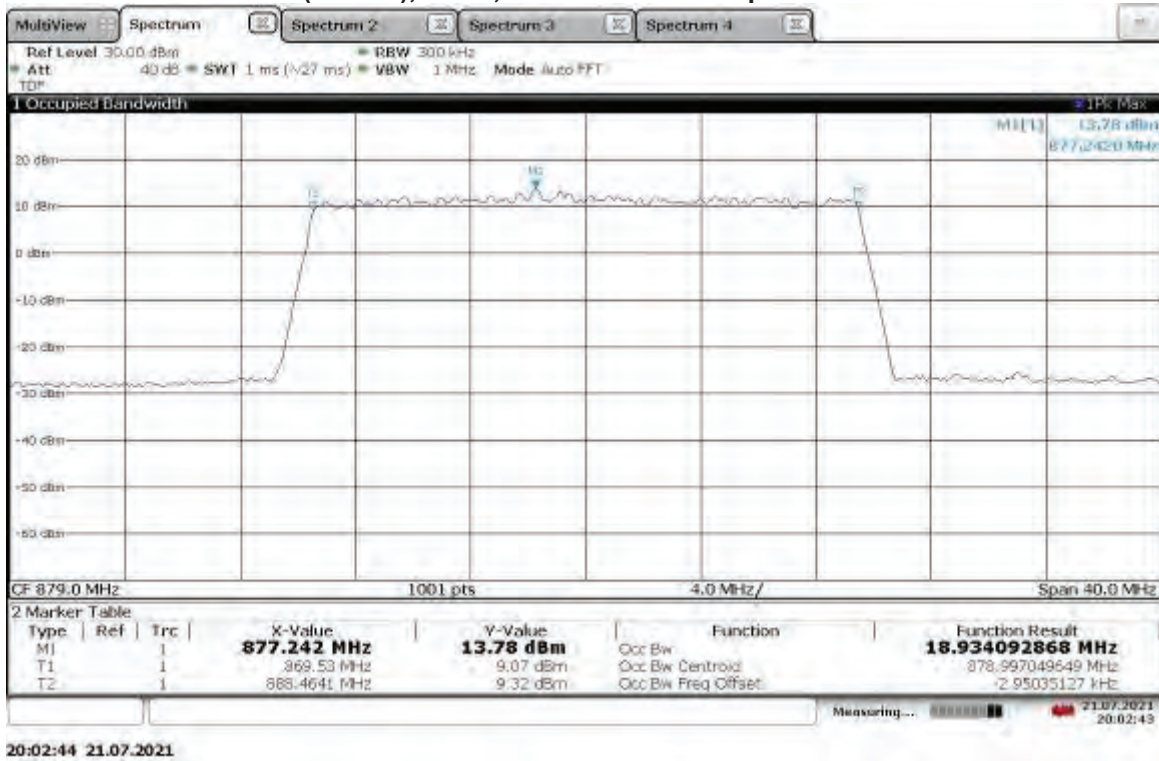
TM3.1-64QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel Occupied Bandwidth



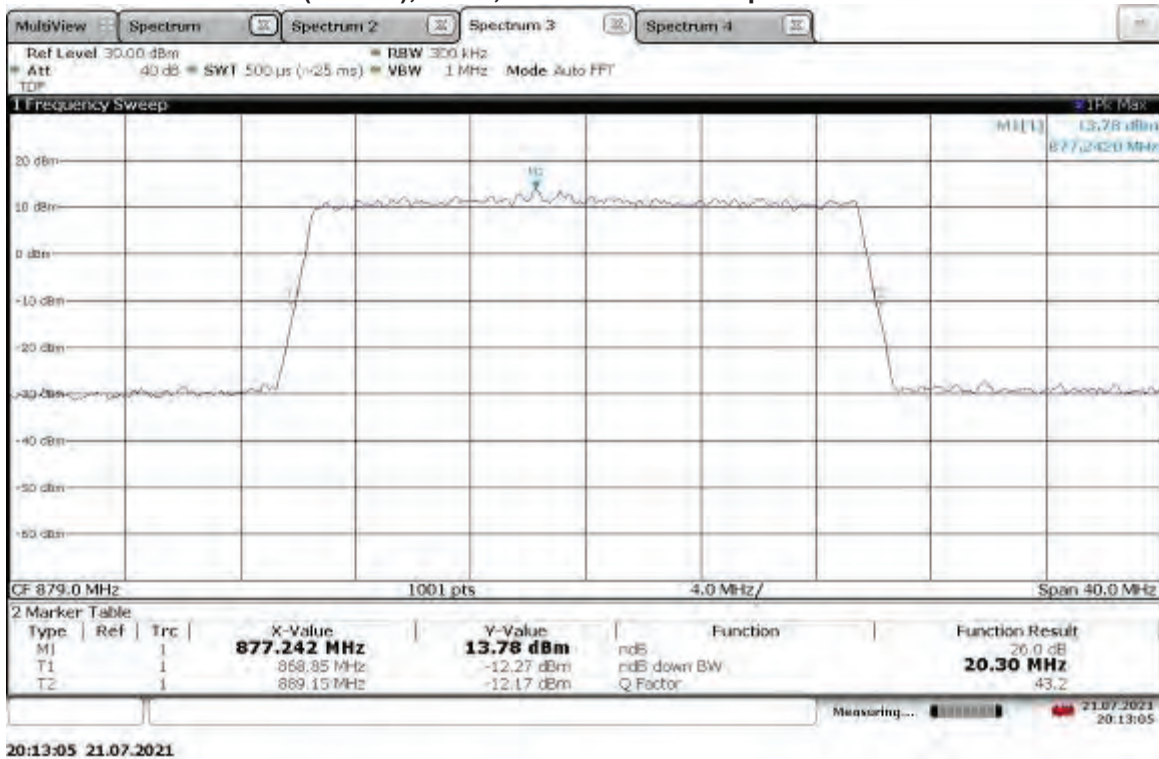
TM3.1-64QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel Occupied Bandwidth



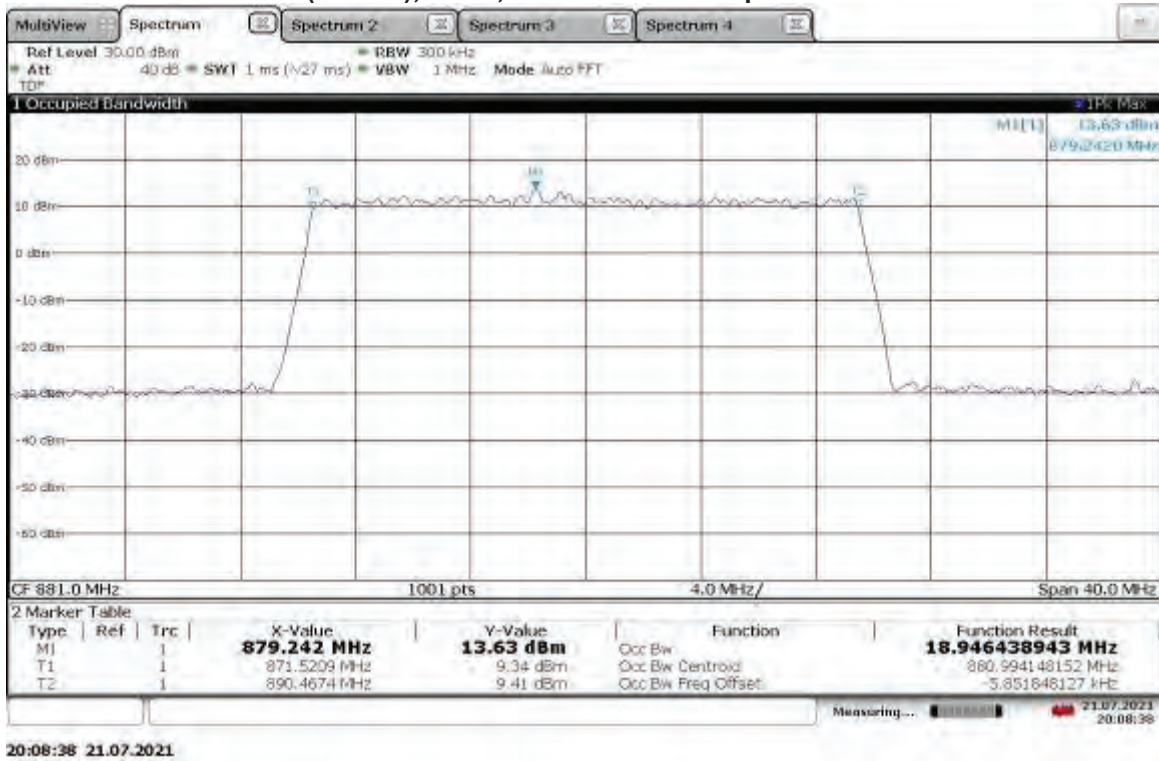
TM3.1-64QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel Occupied Bandwidth



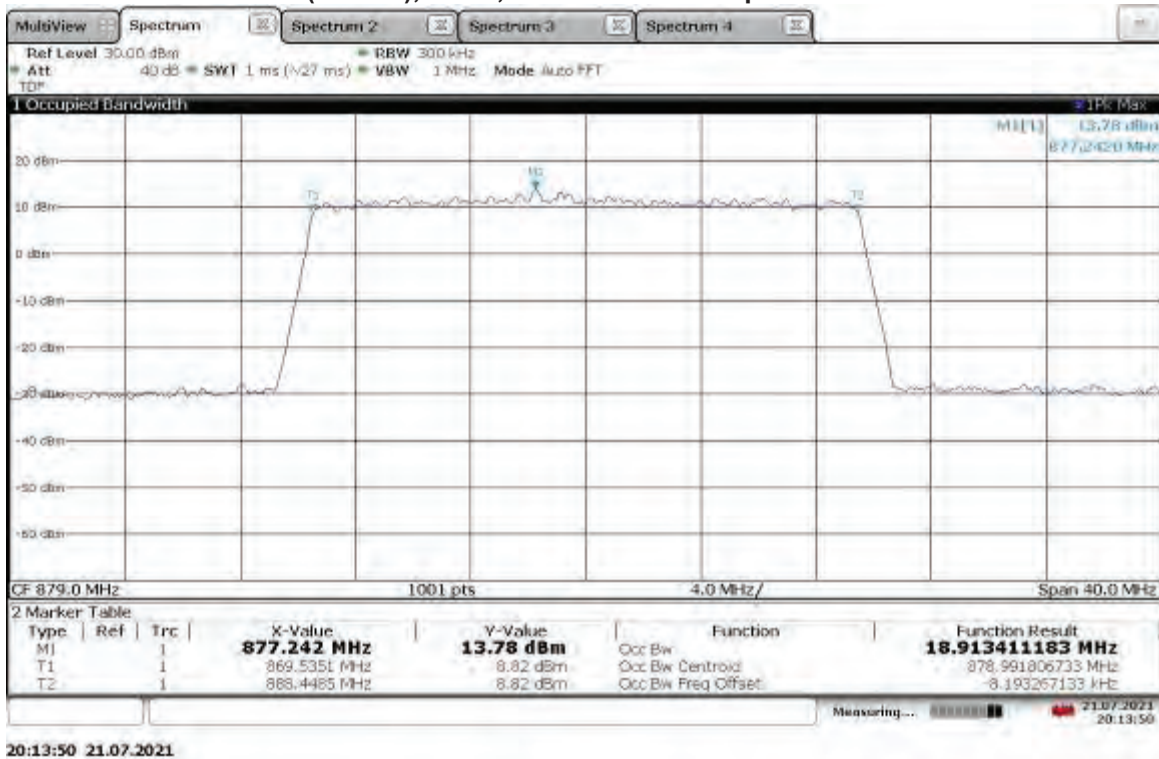
TM3.1-64QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel Occupied Bandwidth



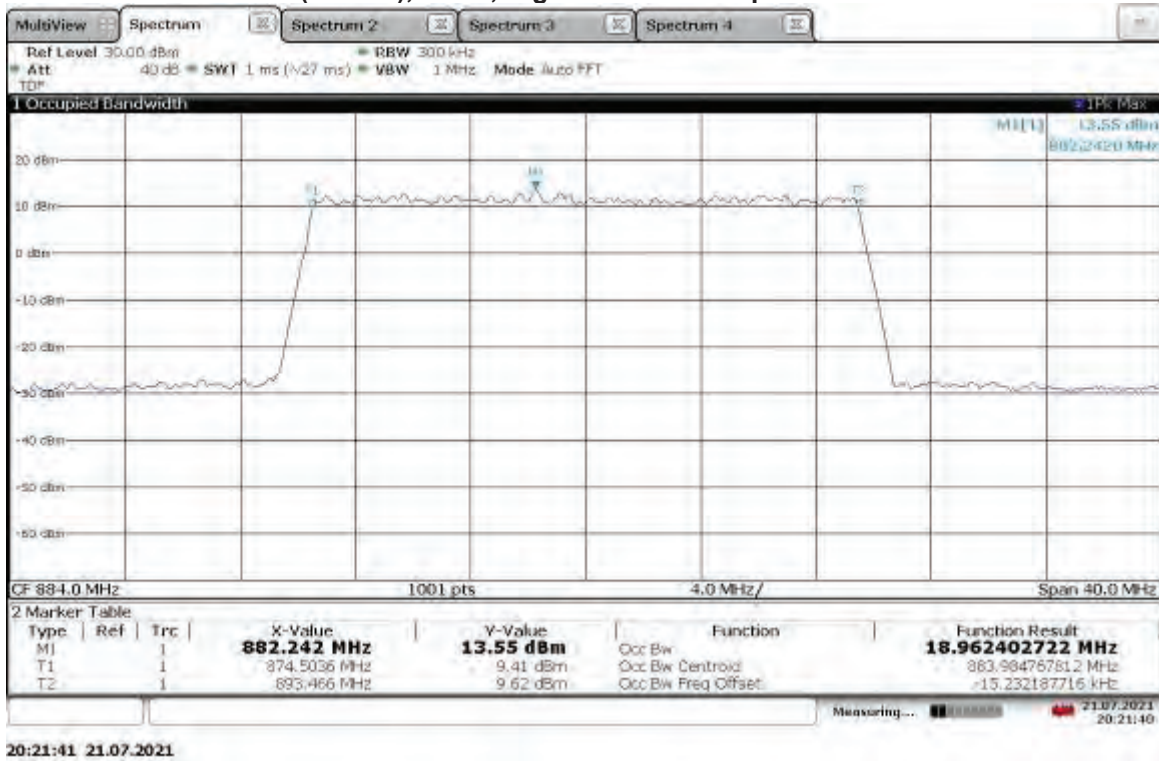
TM3.1-64QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel Occupied Bandwidth



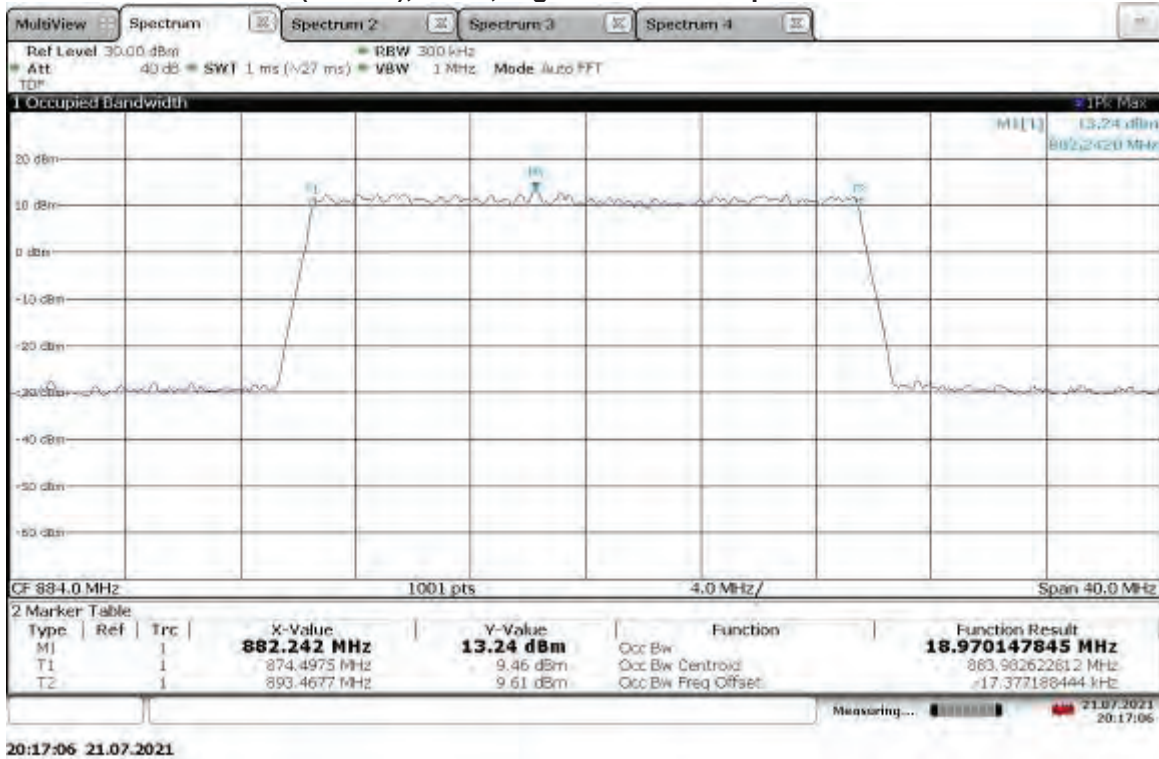
TM3.1-64QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel Occupied Bandwidth



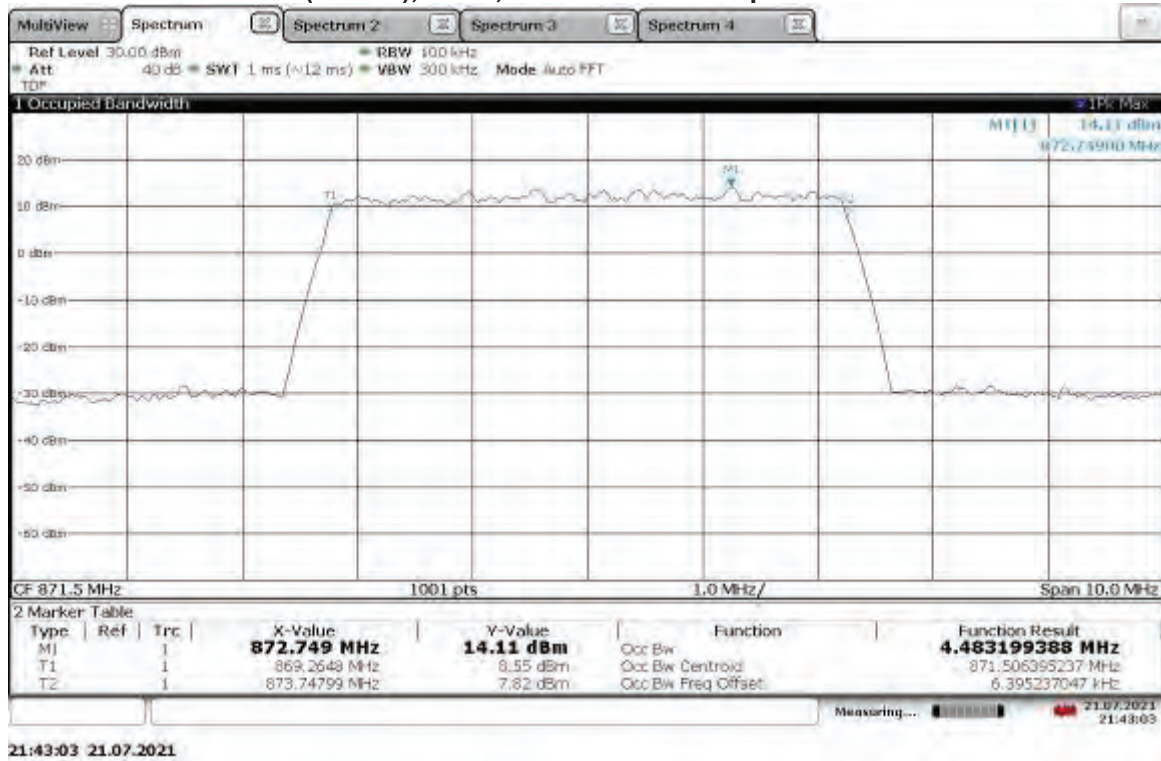
TM3.1-64QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel Occupied Bandwidth



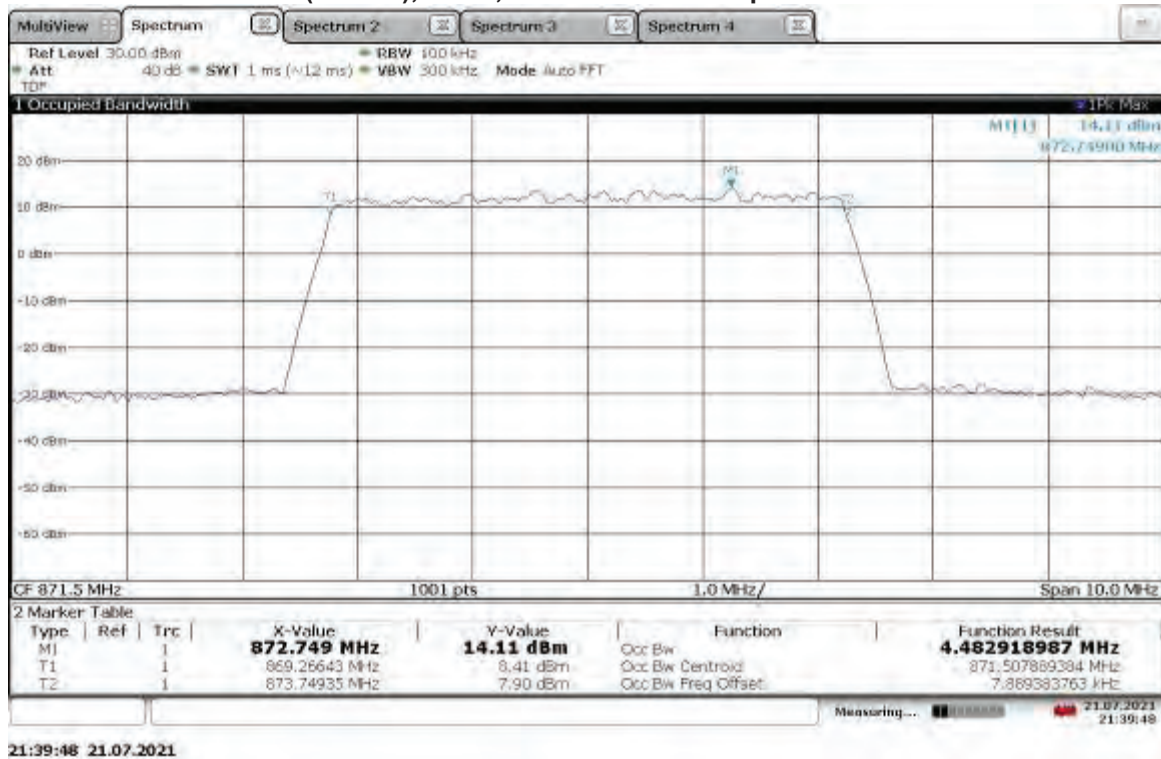
TM3.1-64QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel Occupied Bandwidth



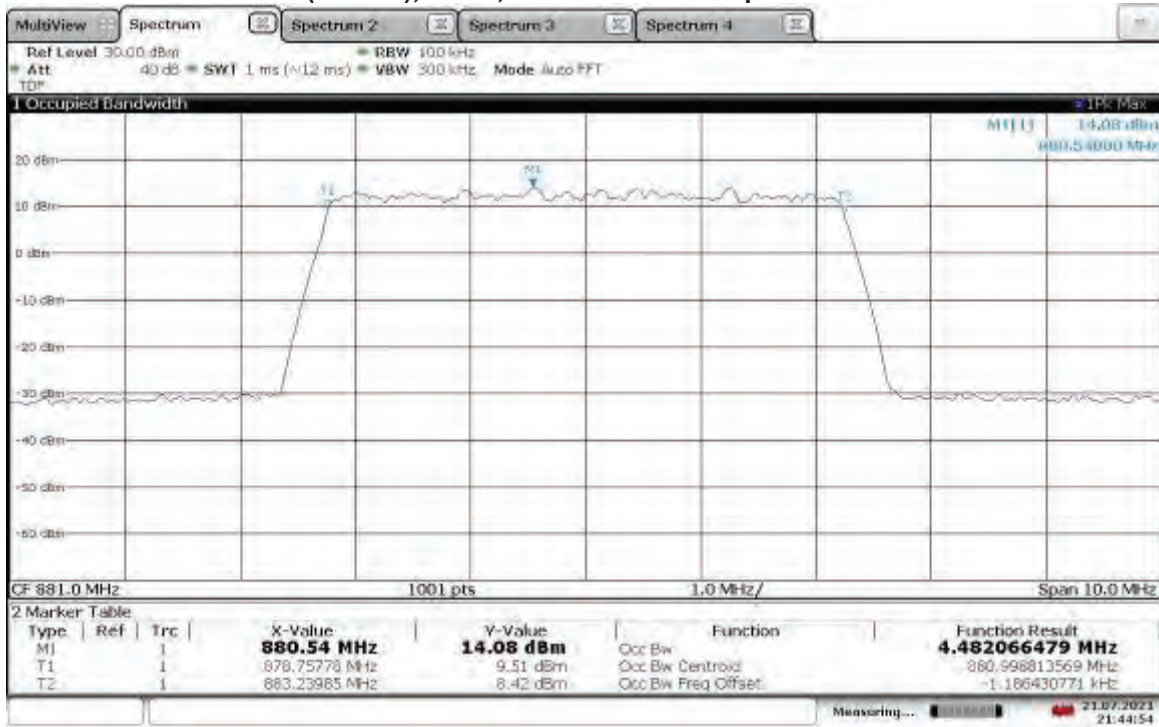
**TM3.1a-256QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel Occupied Bandwidth**



**TM3.1a-256QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel Occupied Bandwidth**

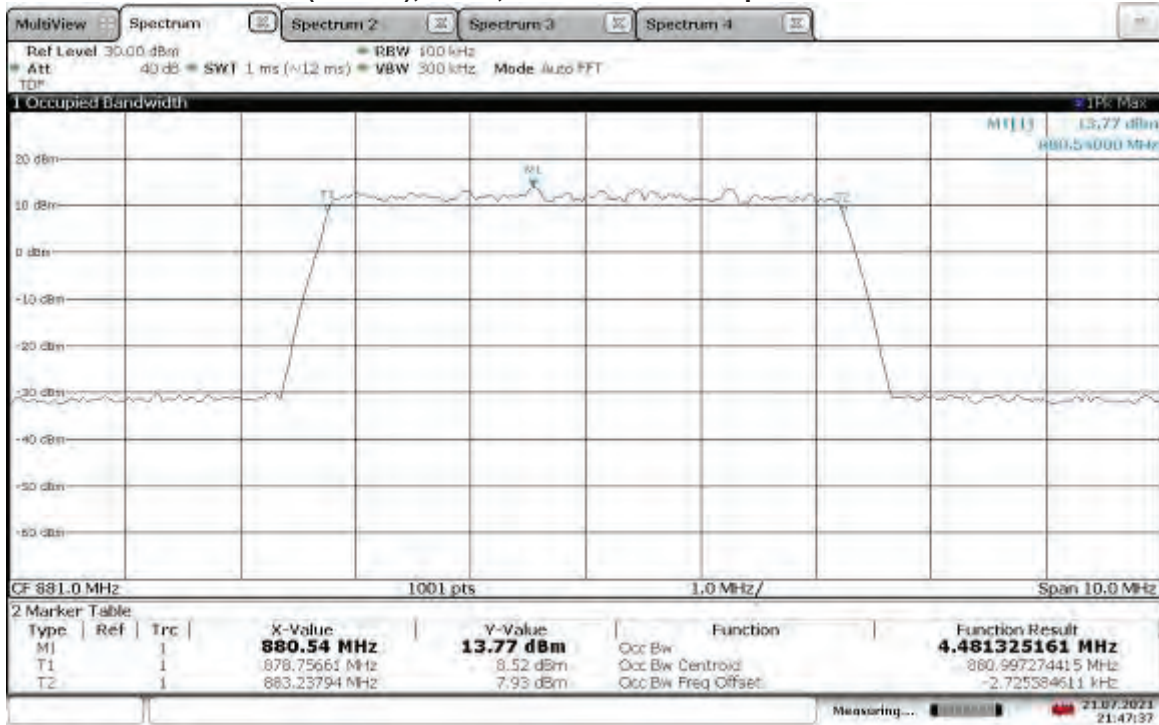


TM3.1a-256QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel Occupied Bandwidth



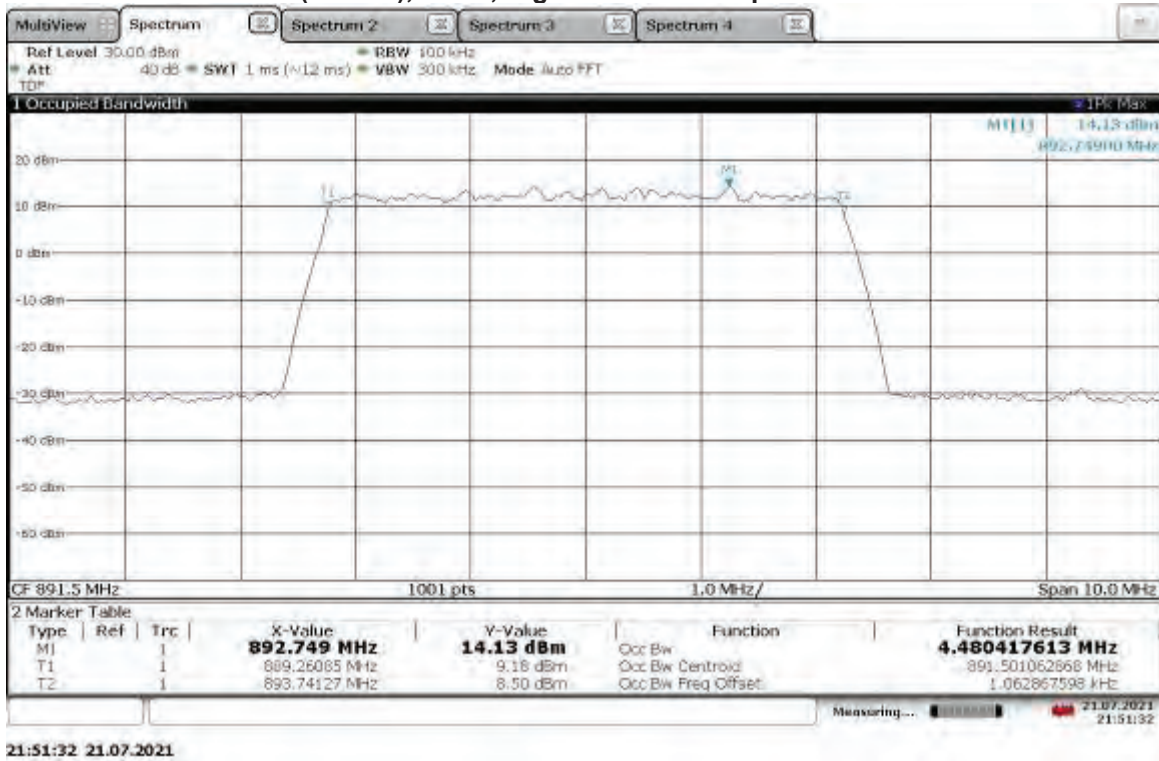
21:44:54 21.07.2021

TM3.1a-256QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel Occupied Bandwidth

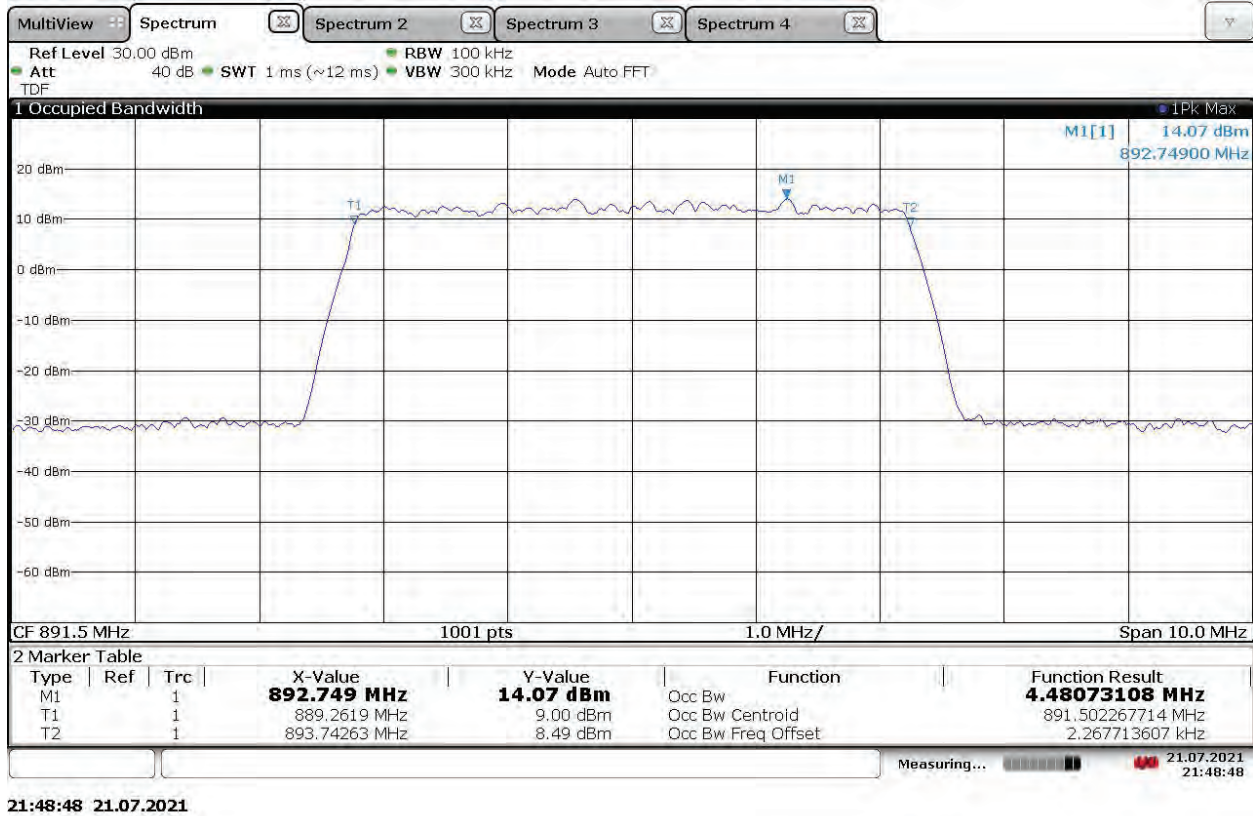


21:47:37 21.07.2021

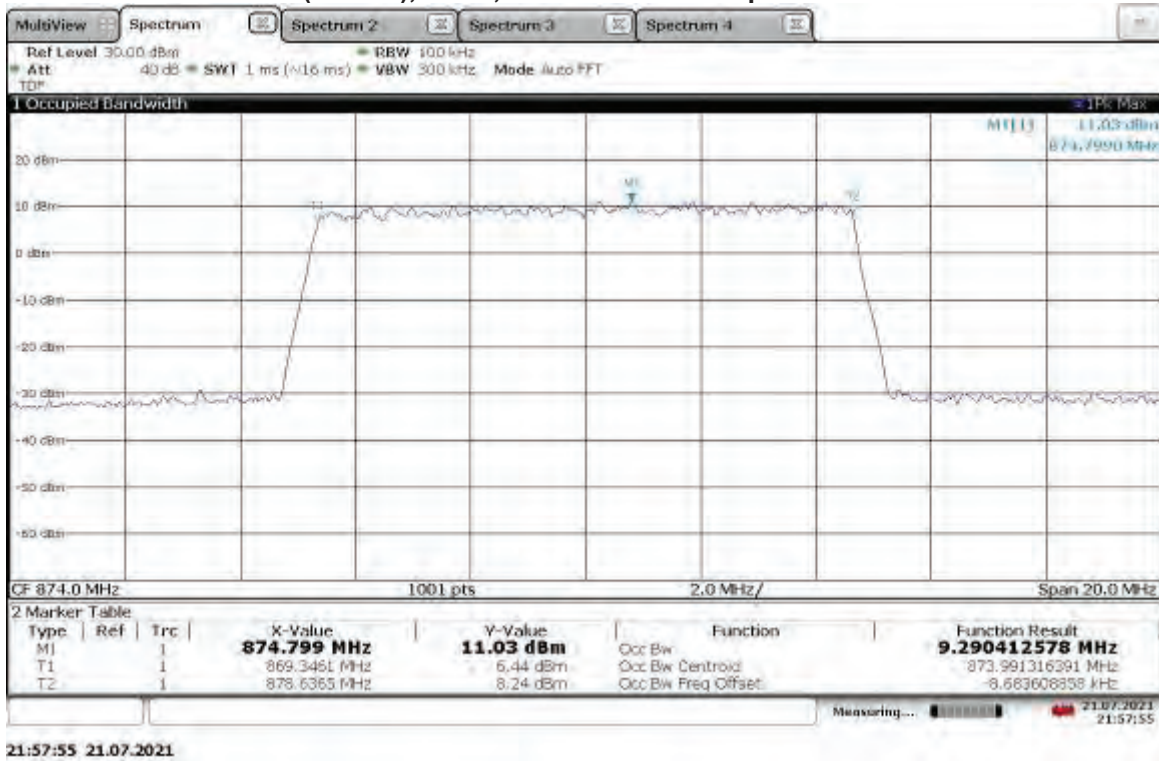
TM3.1a-256QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel Occupied Bandwidth



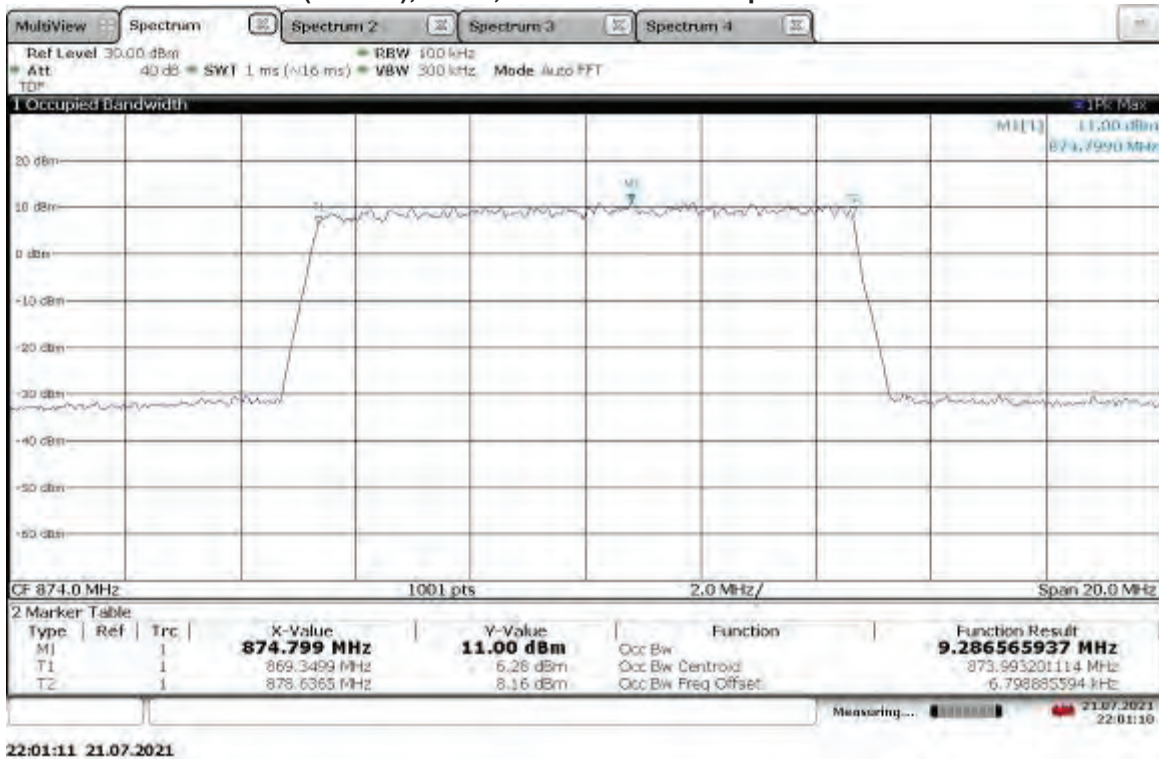
TM3.1a-256QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel Occupied Bandwidth



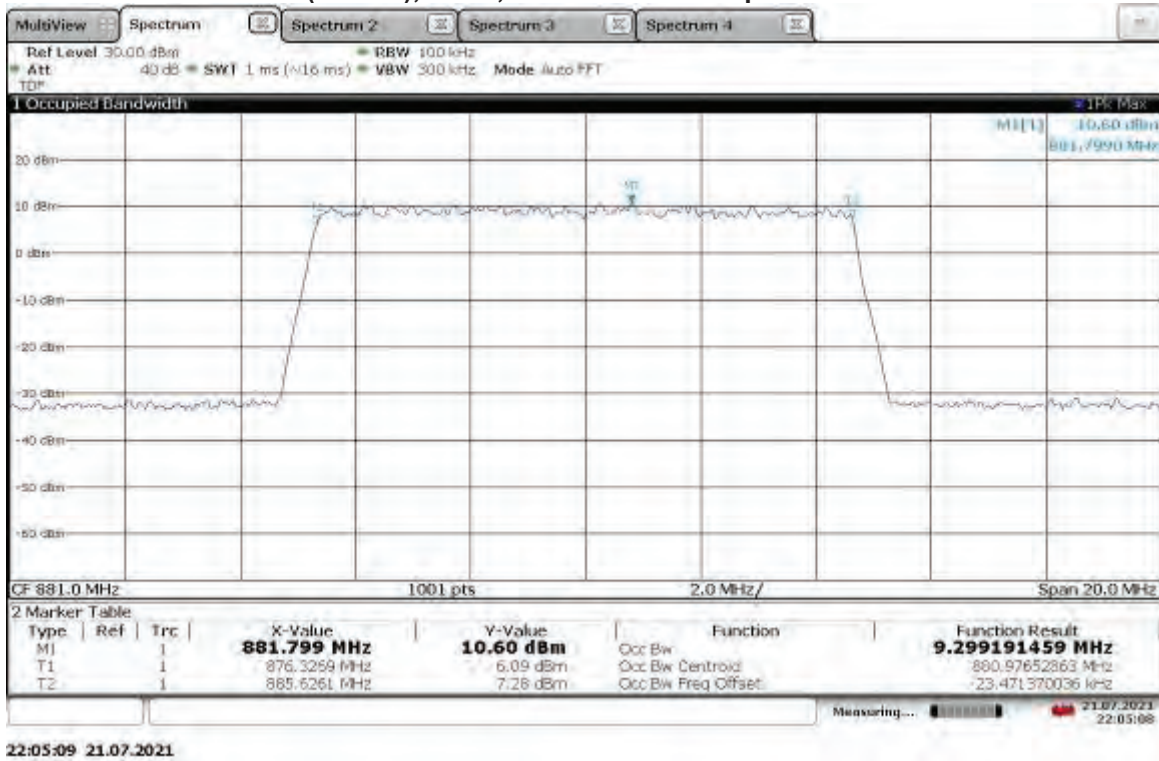
TM3.1a-256QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel Occupied Bandwidth



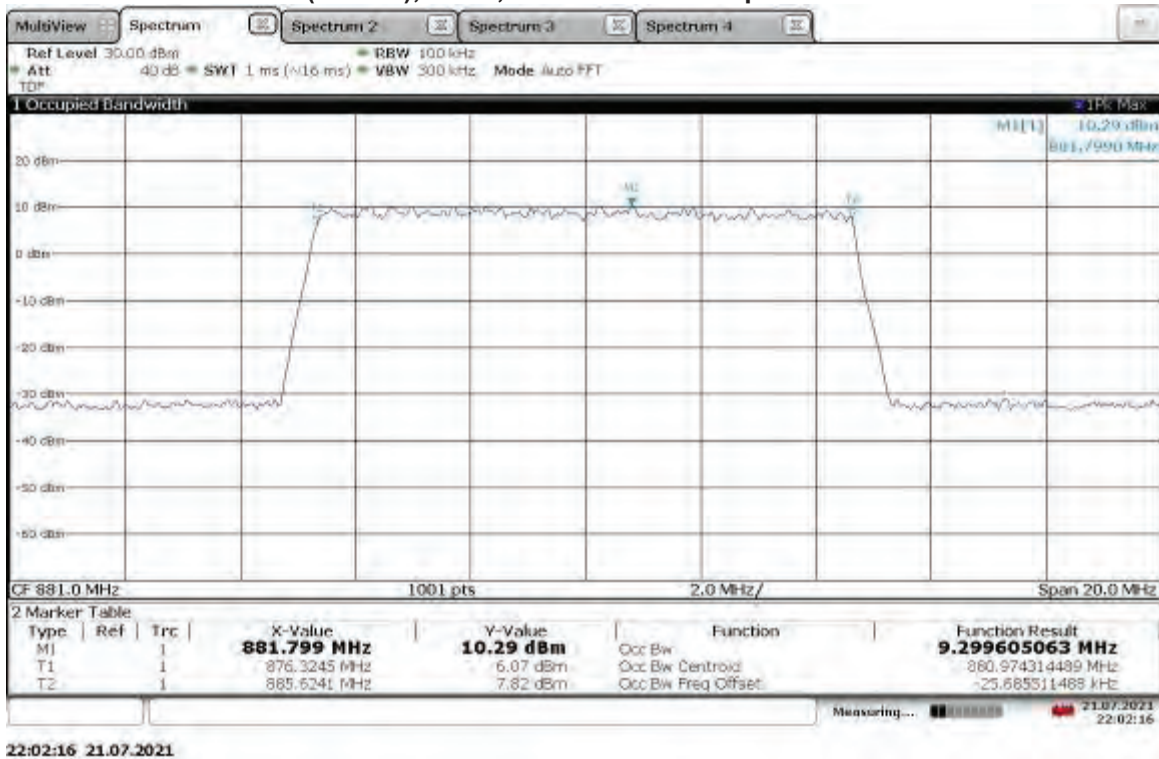
TM3.1a-256QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel Occupied Bandwidth



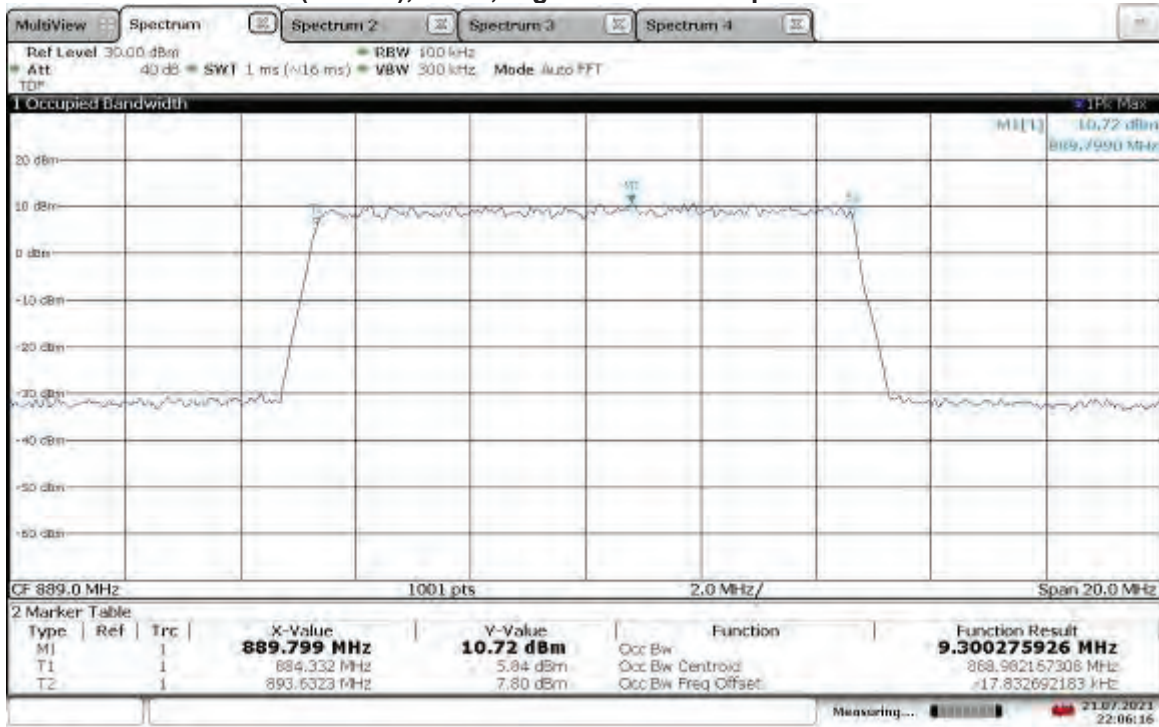
TM3.1a-256QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel Occupied Bandwidth



TM3.1a-256QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel Occupied Bandwidth

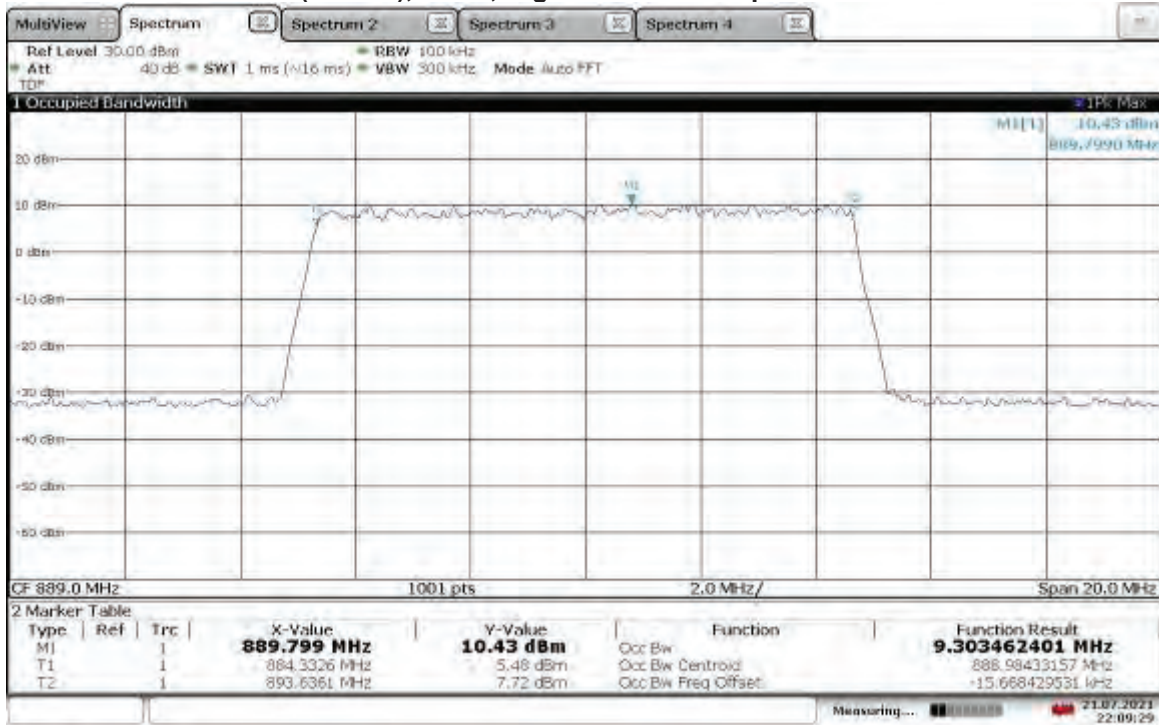


TM3.1a-256QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel Occupied Bandwidth



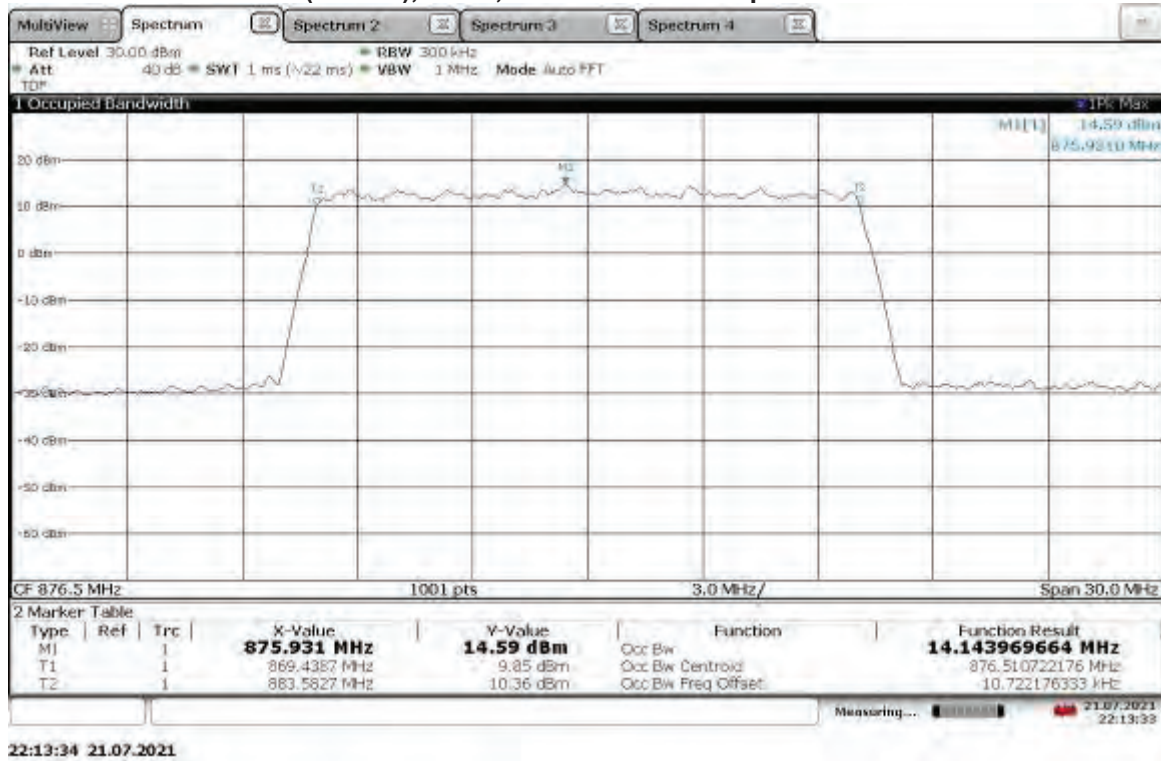
22:06:16 21.07.2021

TM3.1a-256QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel Occupied Bandwidth

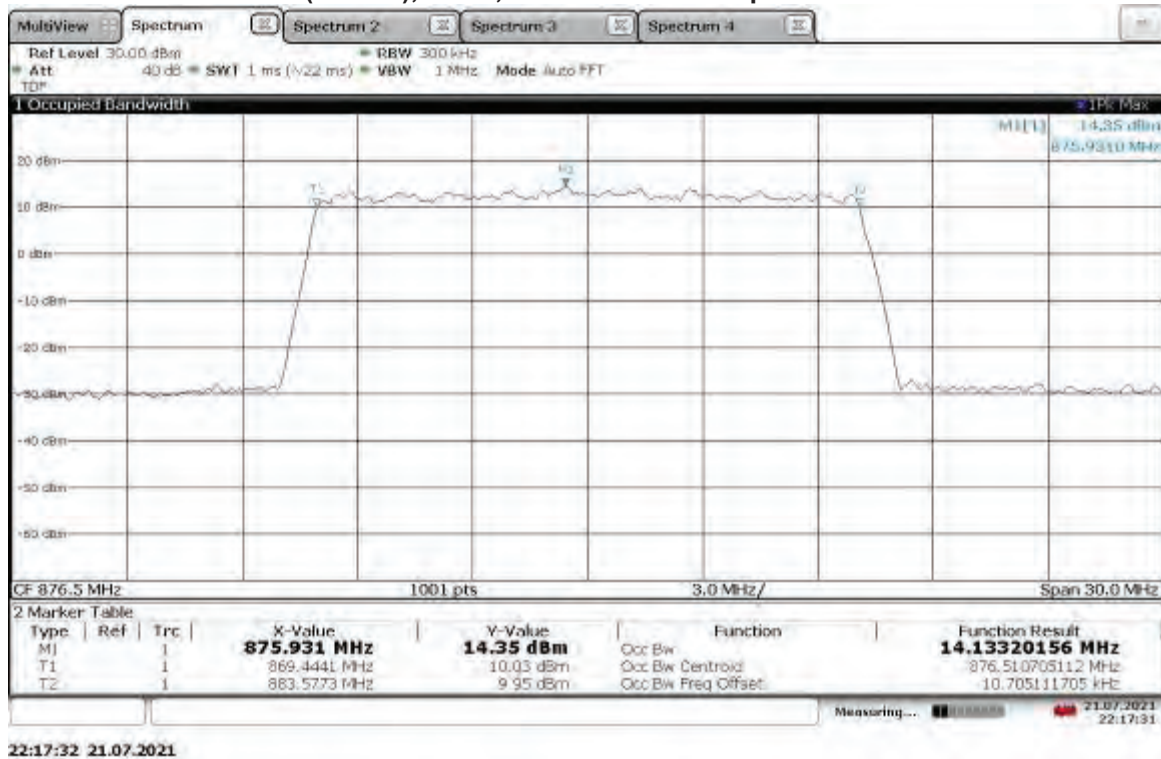


22:09:30 21.07.2021

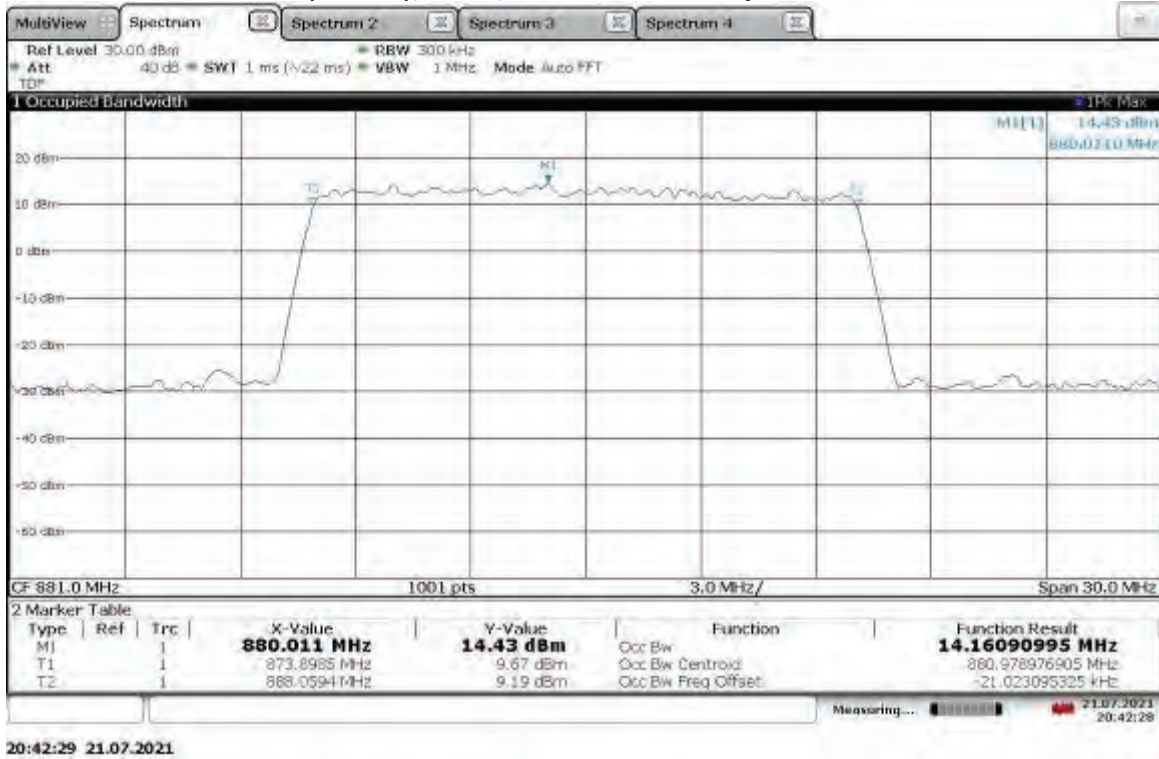
TM3.1a-256QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel Occupied Bandwidth



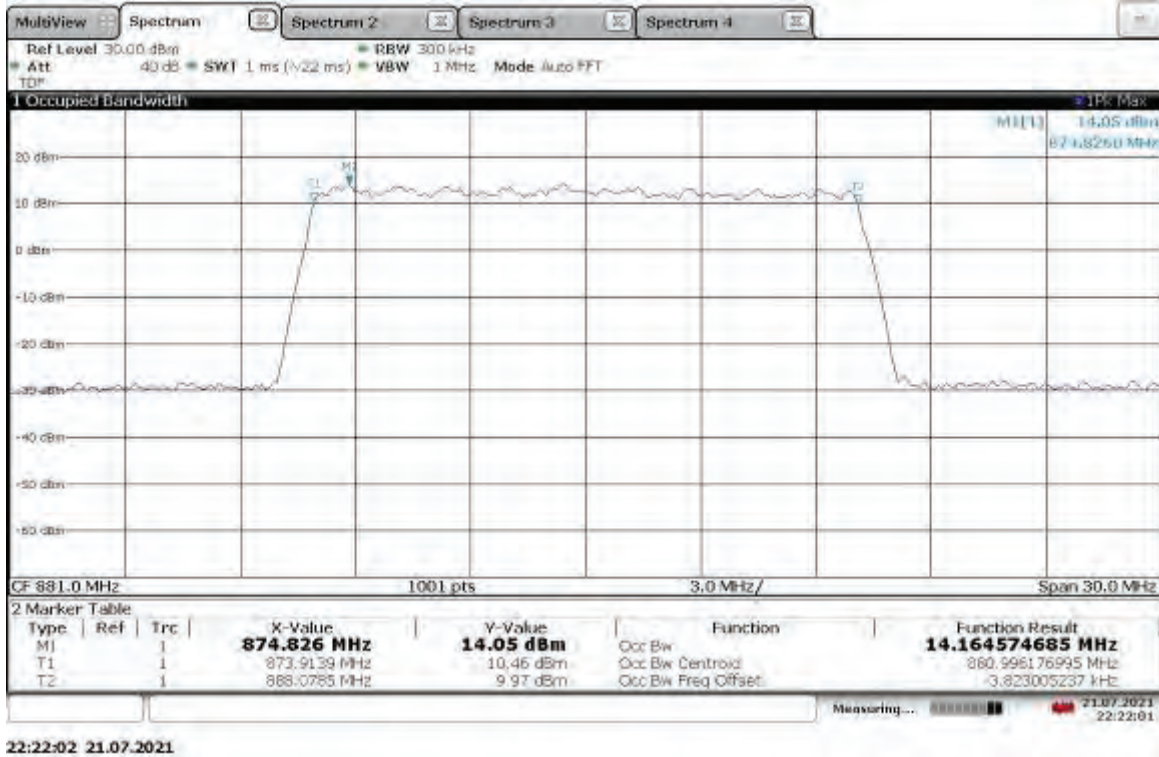
TM3.1a-256QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel Occupied Bandwidth



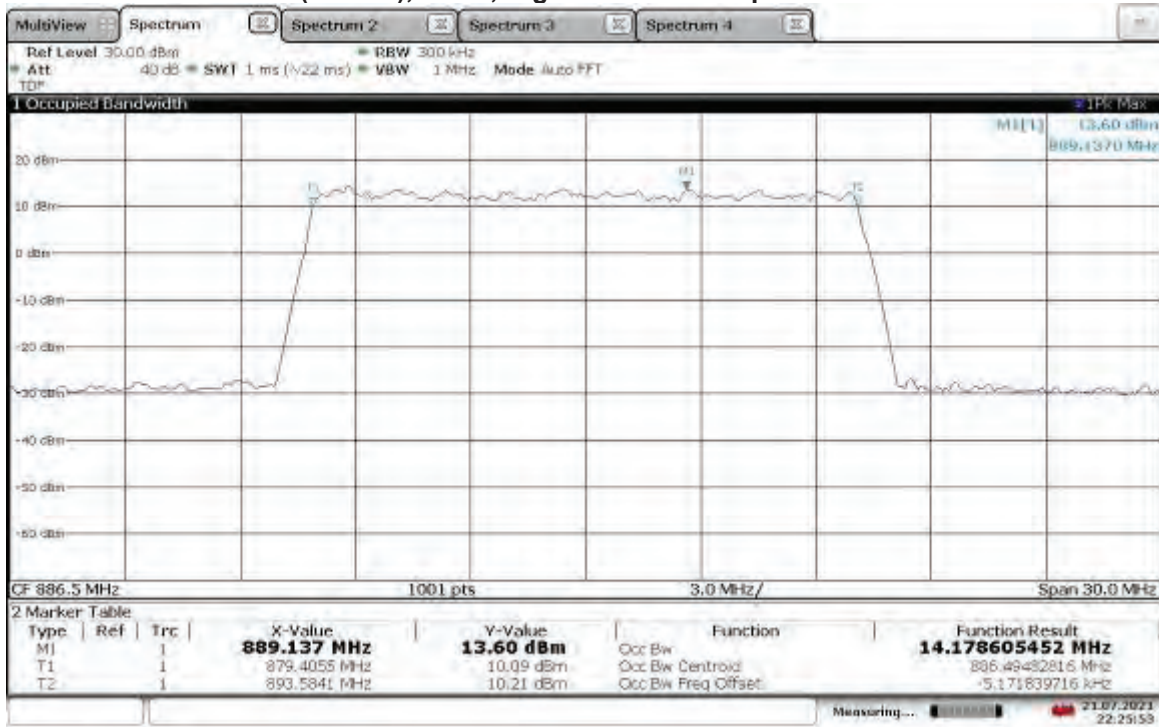
TM3.1a-256QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel Occupied Bandwidth



TM3.1a-256QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel Occupied Bandwidth

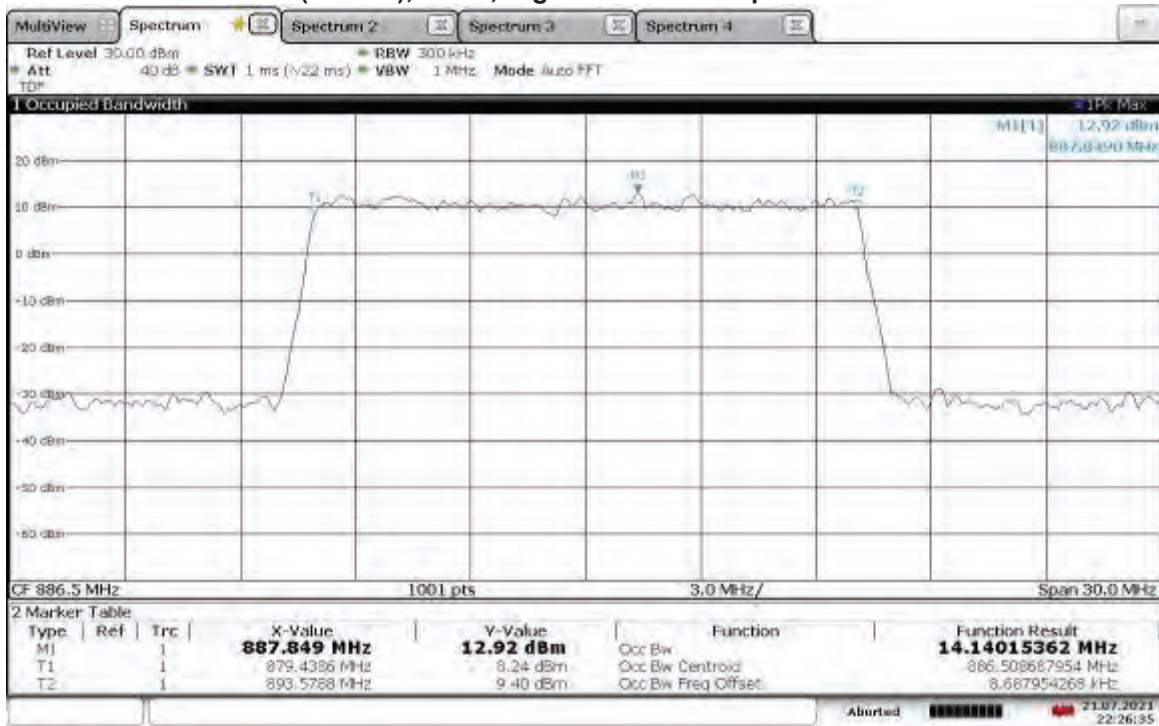


TM3.1a-256QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel Occupied Bandwidth



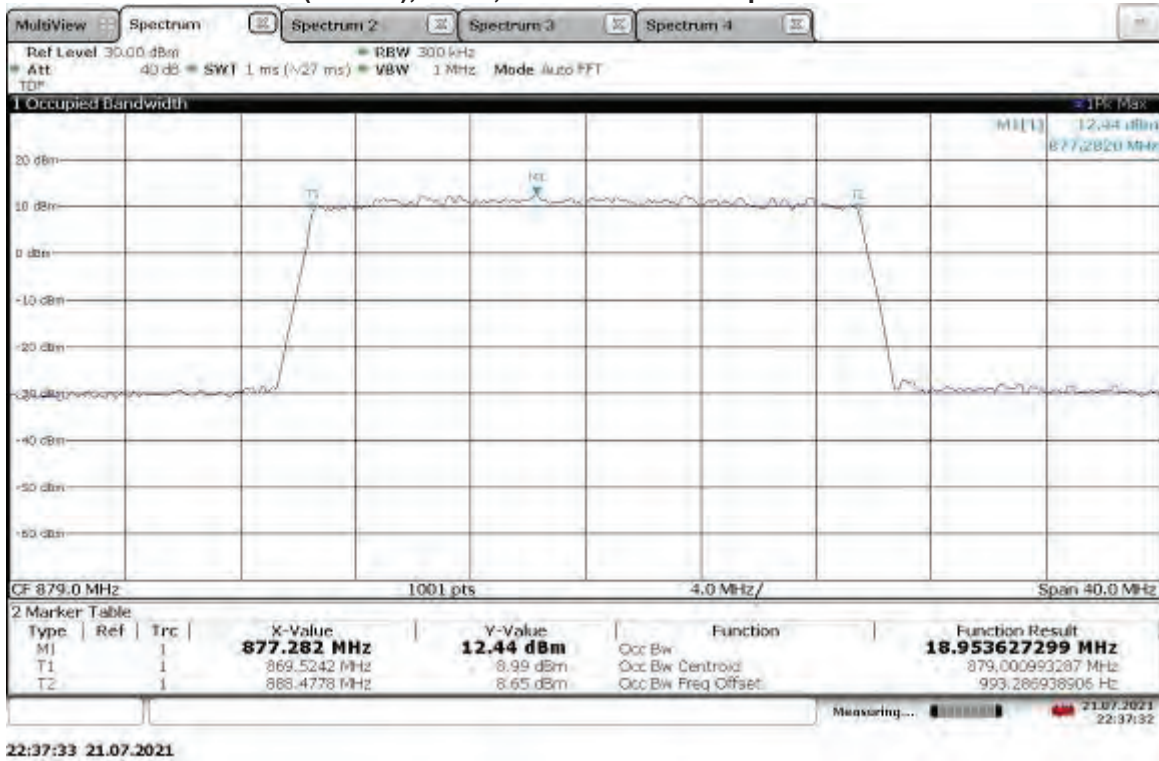
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TM3.1a-256QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel Occupied Bandwidth

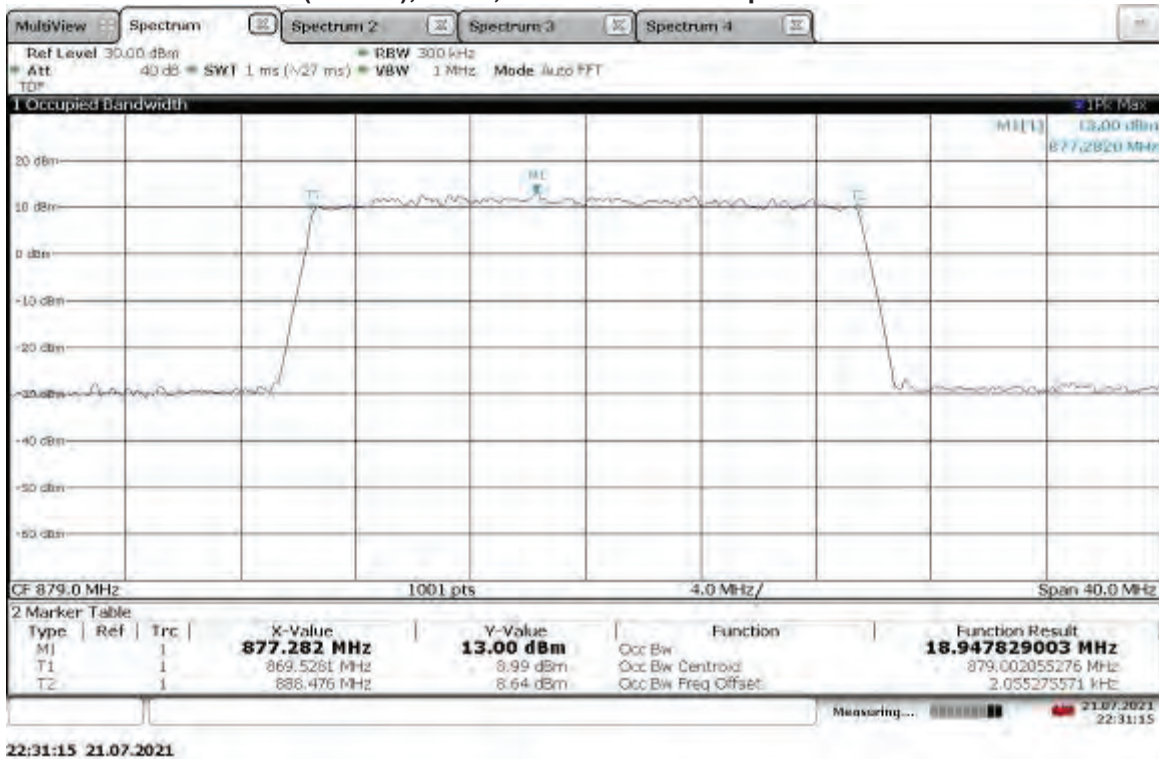


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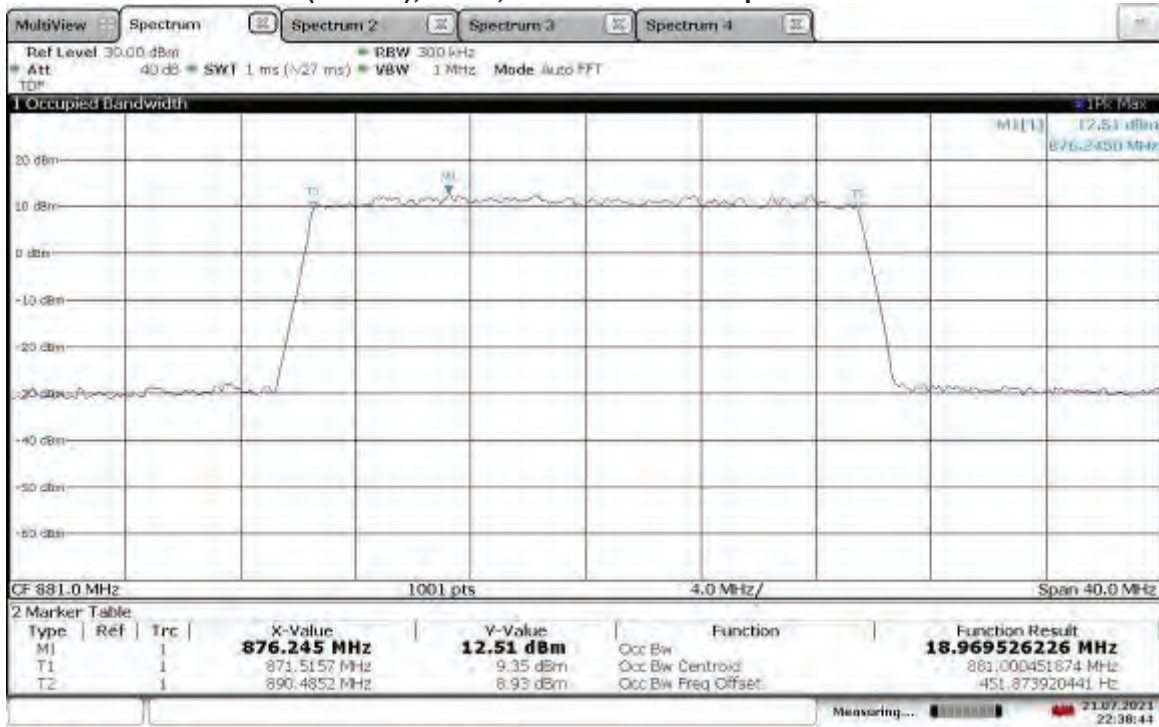
TM3.1a-256QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel Occupied Bandwidth



TM3.1a-256QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel Occupied Bandwidth

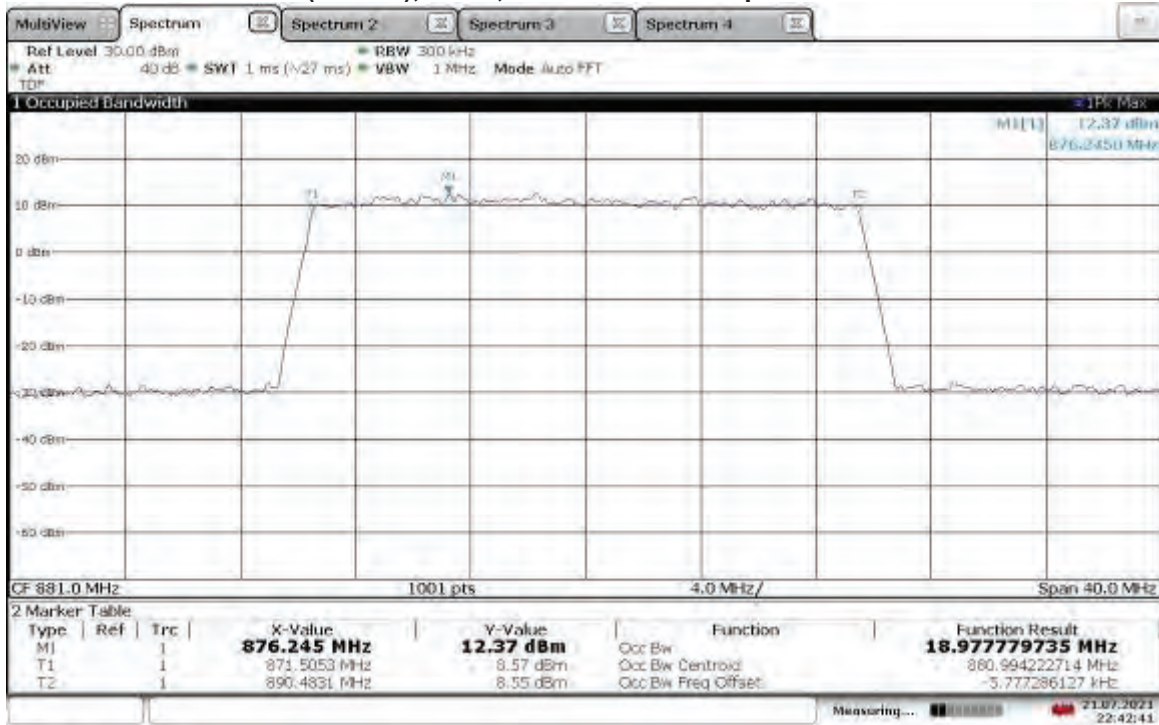


**TM3.1a-256QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel Occupied Bandwidth**



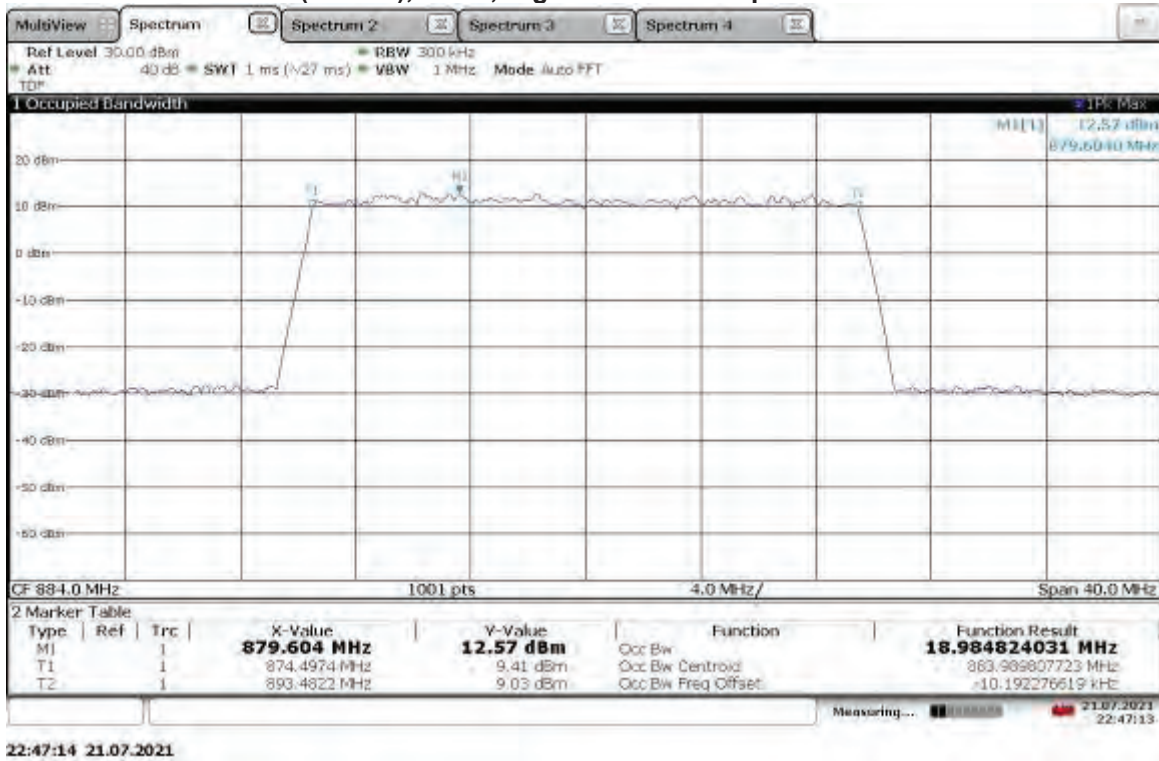
22:38:44 21.07.2021

**TM3.1a-256QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel Occupied Bandwidth**

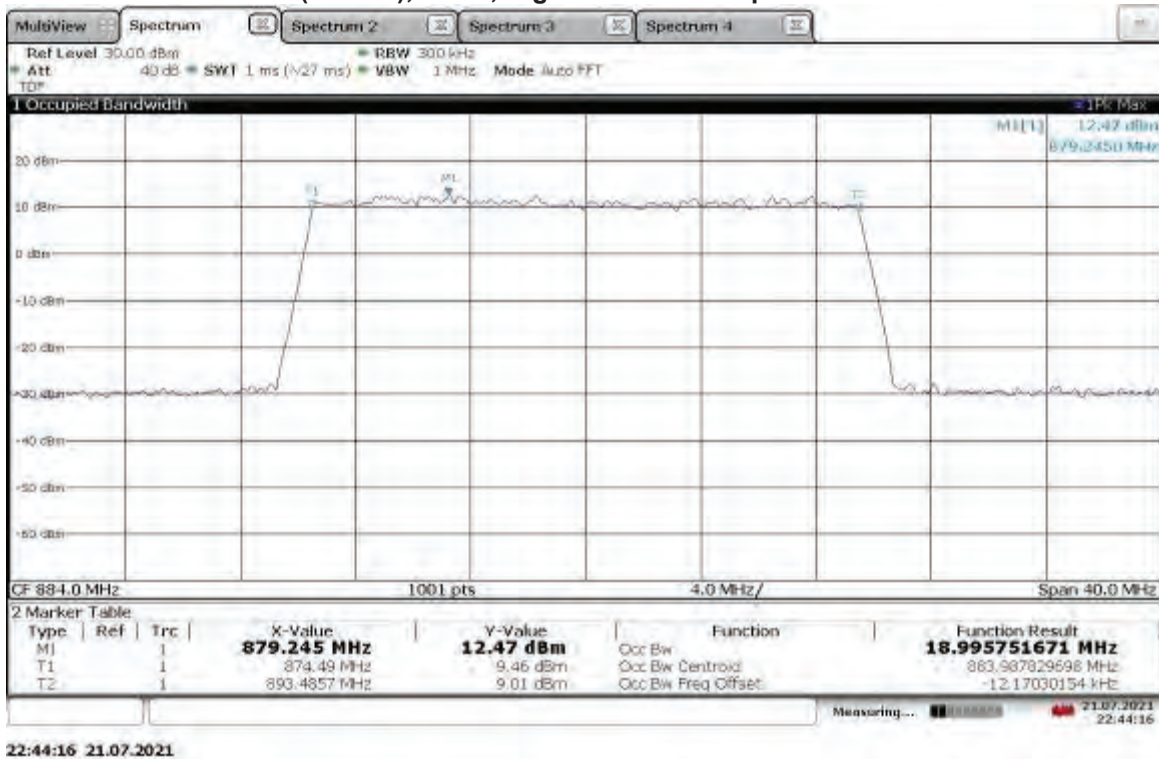


22:42:41 21.07.2021

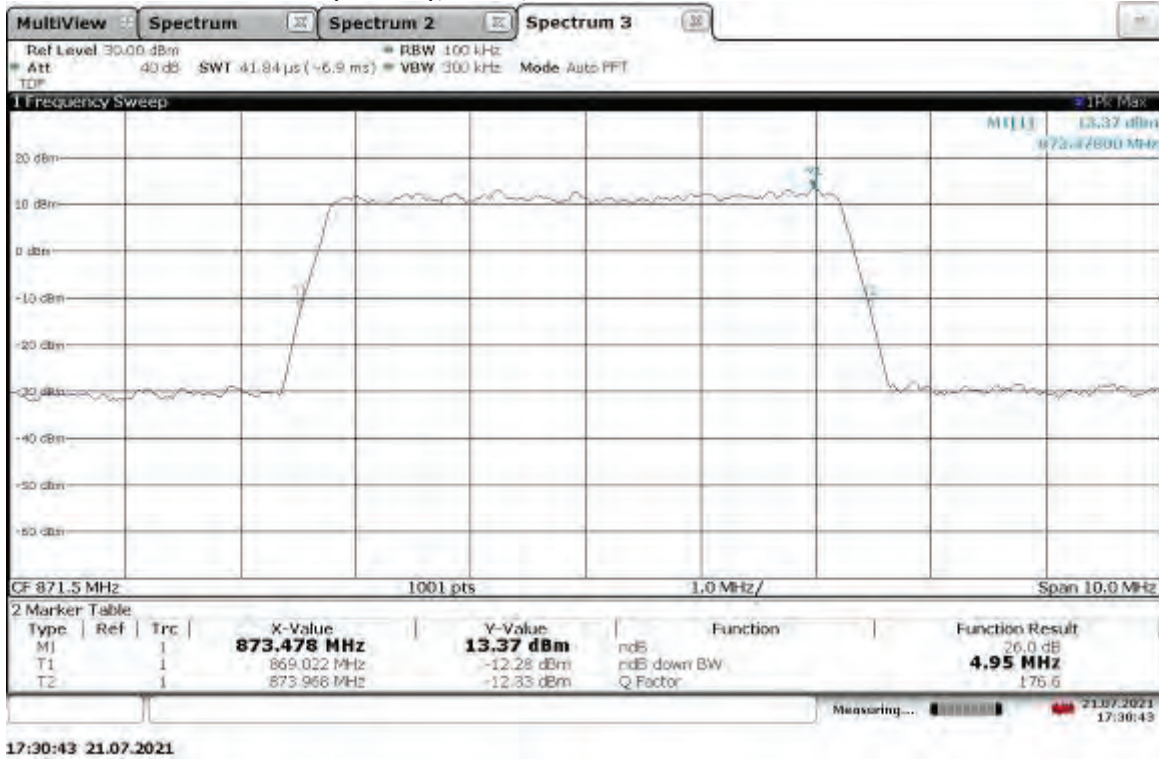
TM3.1a-256QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel Occupied Bandwidth



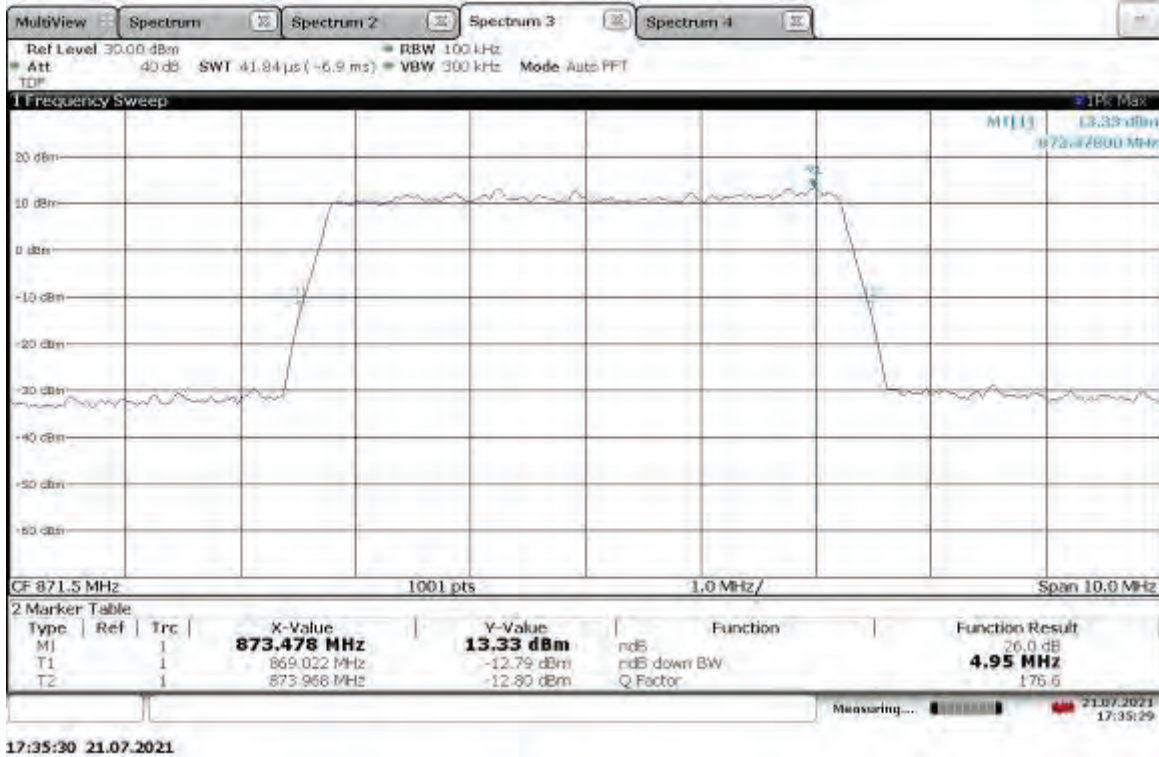
TM3.1a-256QAM_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel Occupied Bandwidth



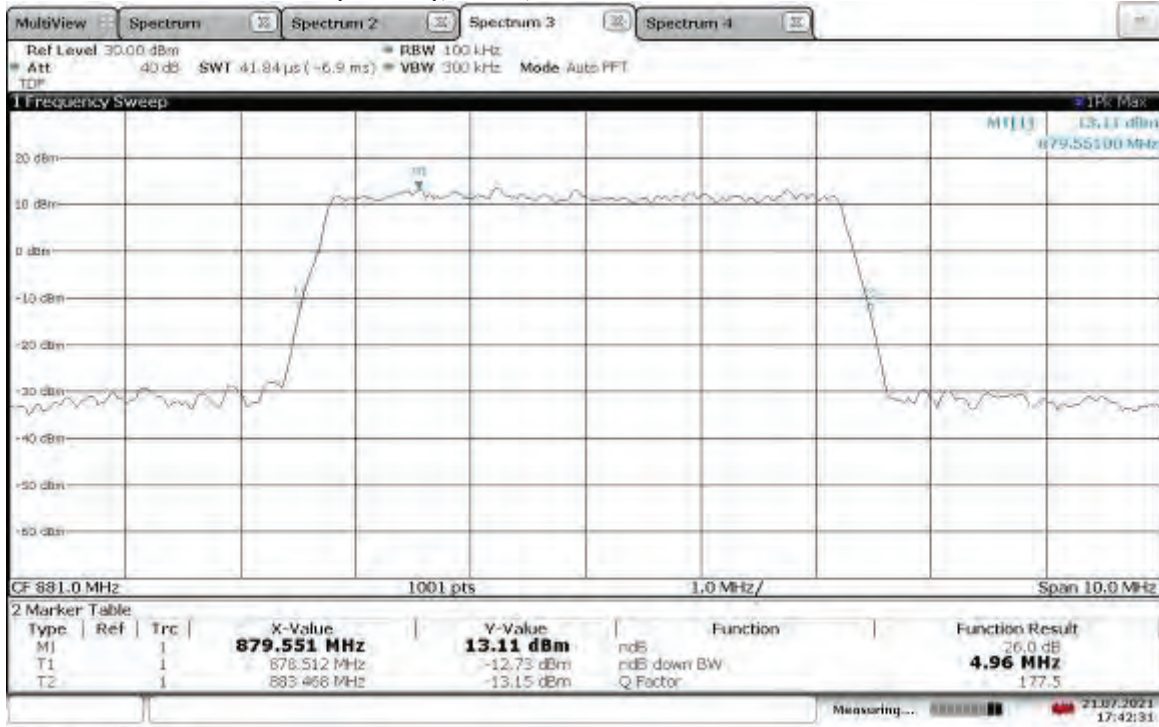
TM1.1-QPSK_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel 26dB Bandwidth



TM1.1-QPSK_5 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel 26dB Bandwidth

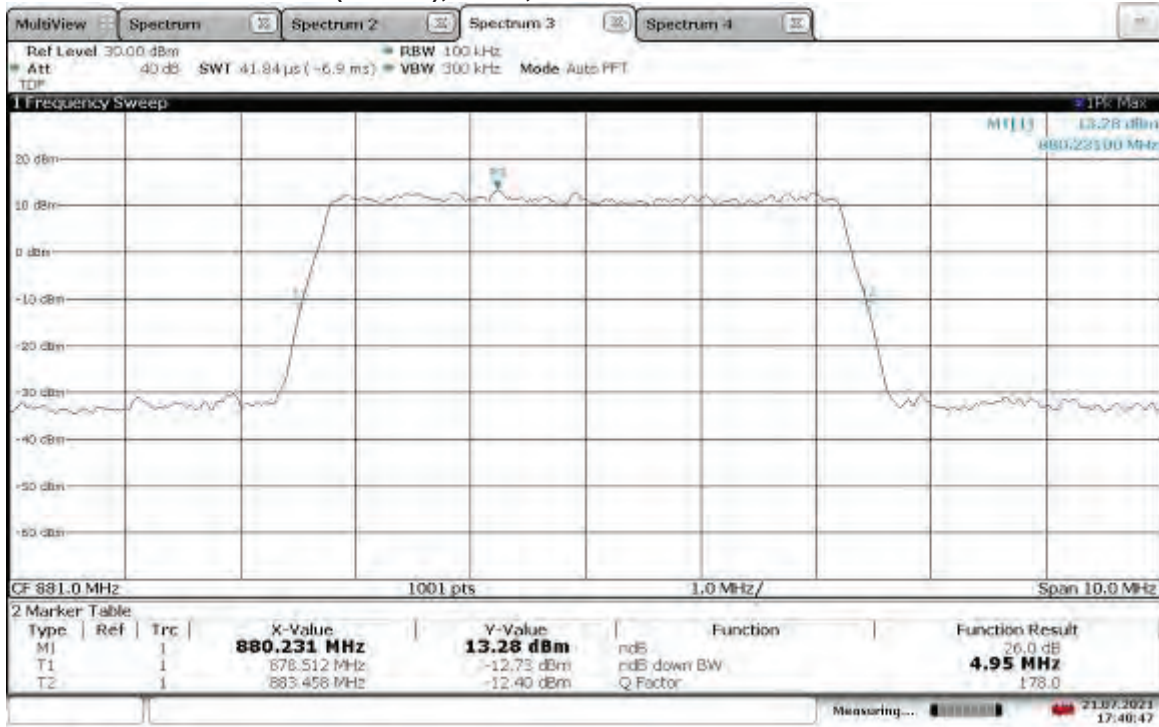


TM1.1-QPSK_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel 26dB Bandwidth



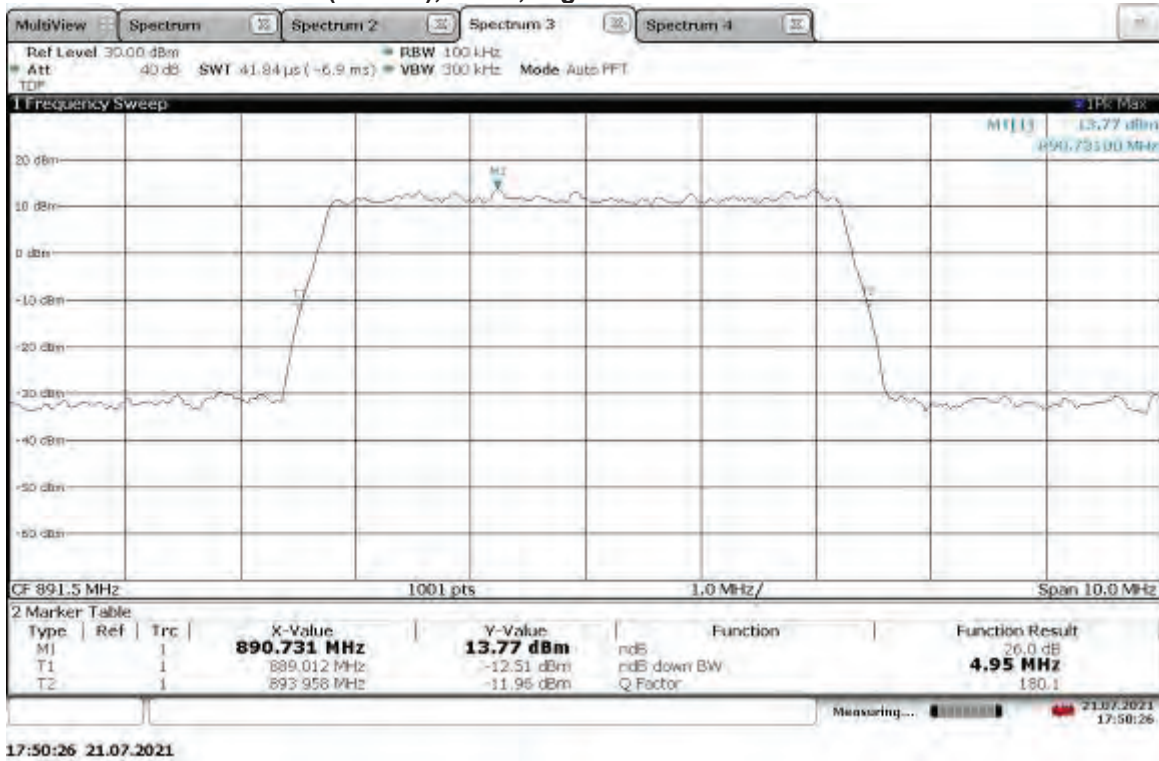
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TM1.1-QPSK_5 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel 26dB Bandwidth

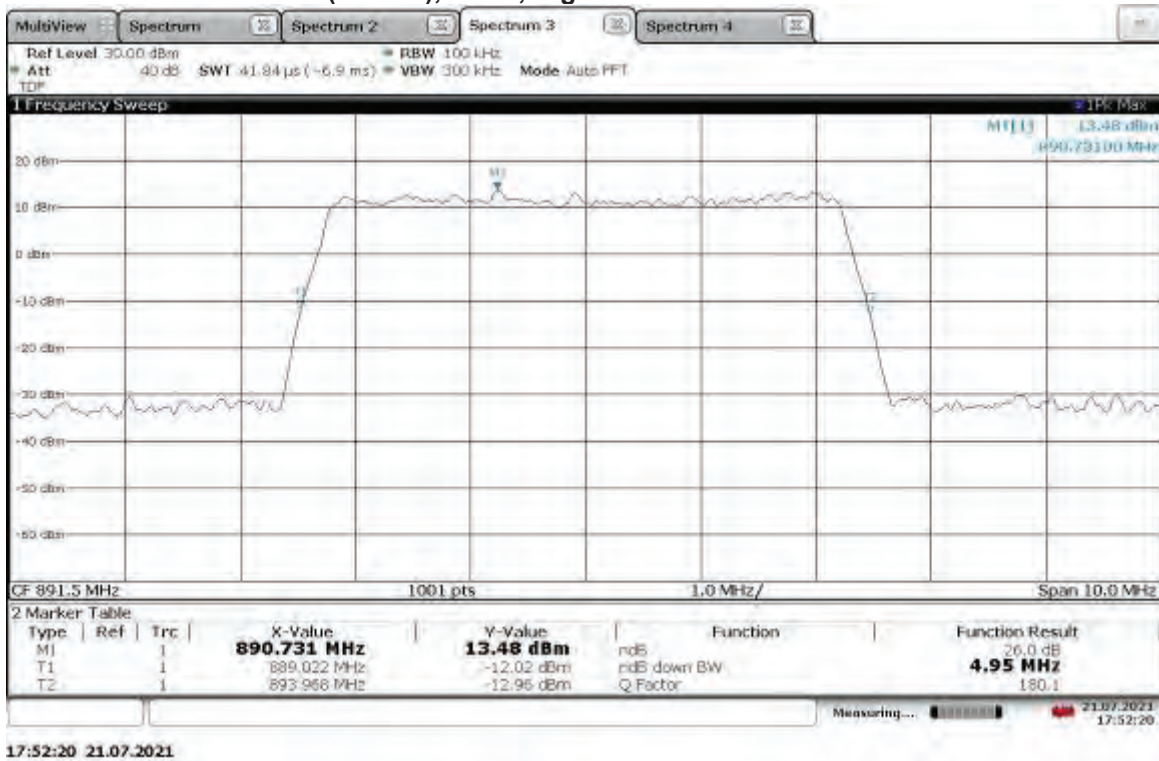


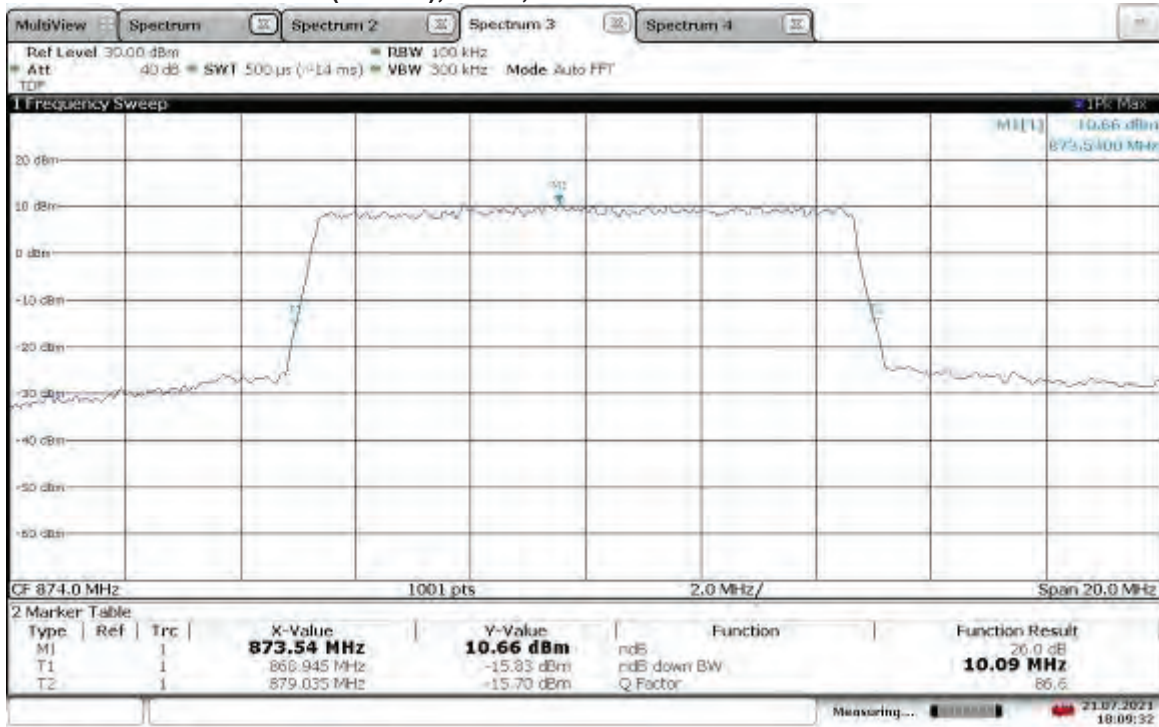
17:40:48 21.07.2021

TM1.1-QPSK_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel 26dB Bandwidth

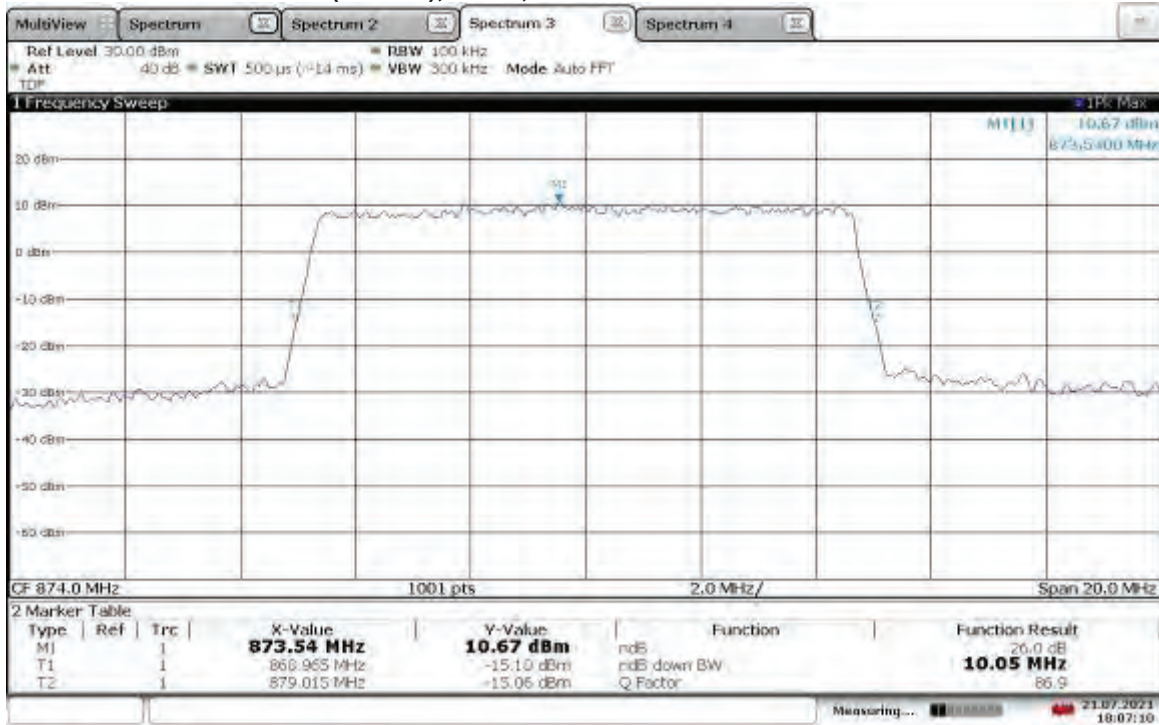


TM1.1-QPSK_5 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel 26dB Bandwidth



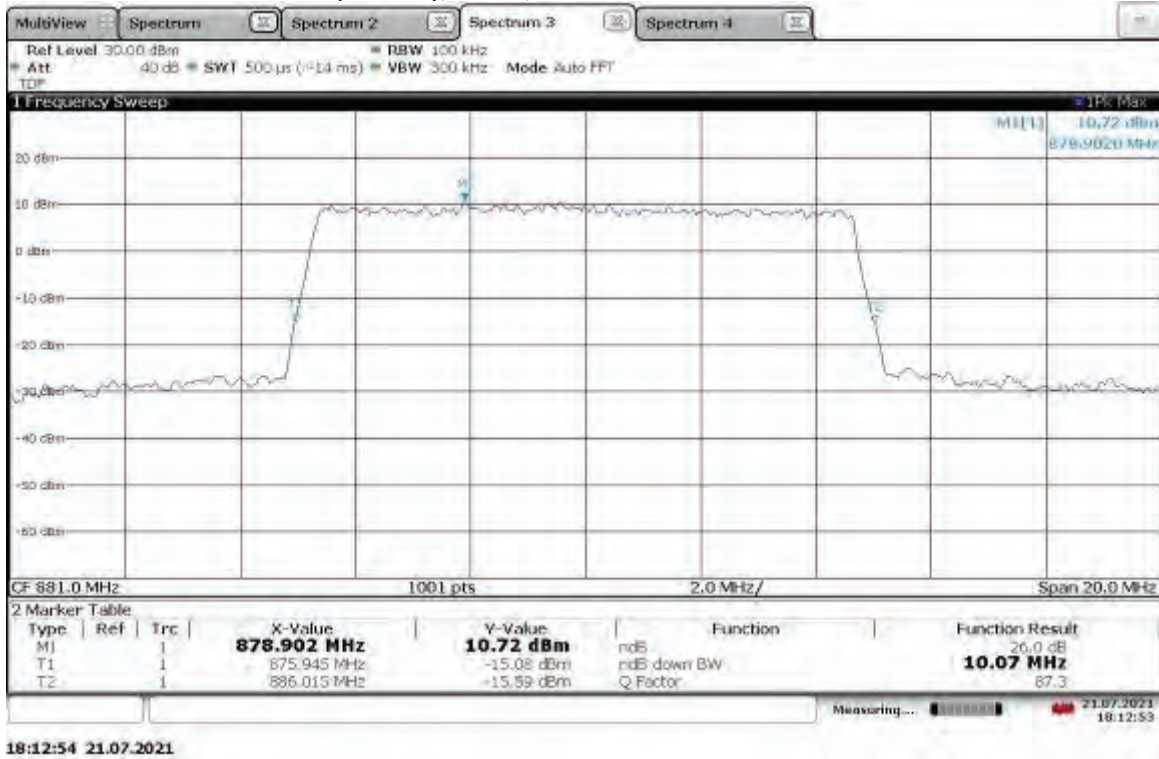
**TM1.1-QPSK_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel 26dB Bandwidth**

18:09:33 21.07.2021

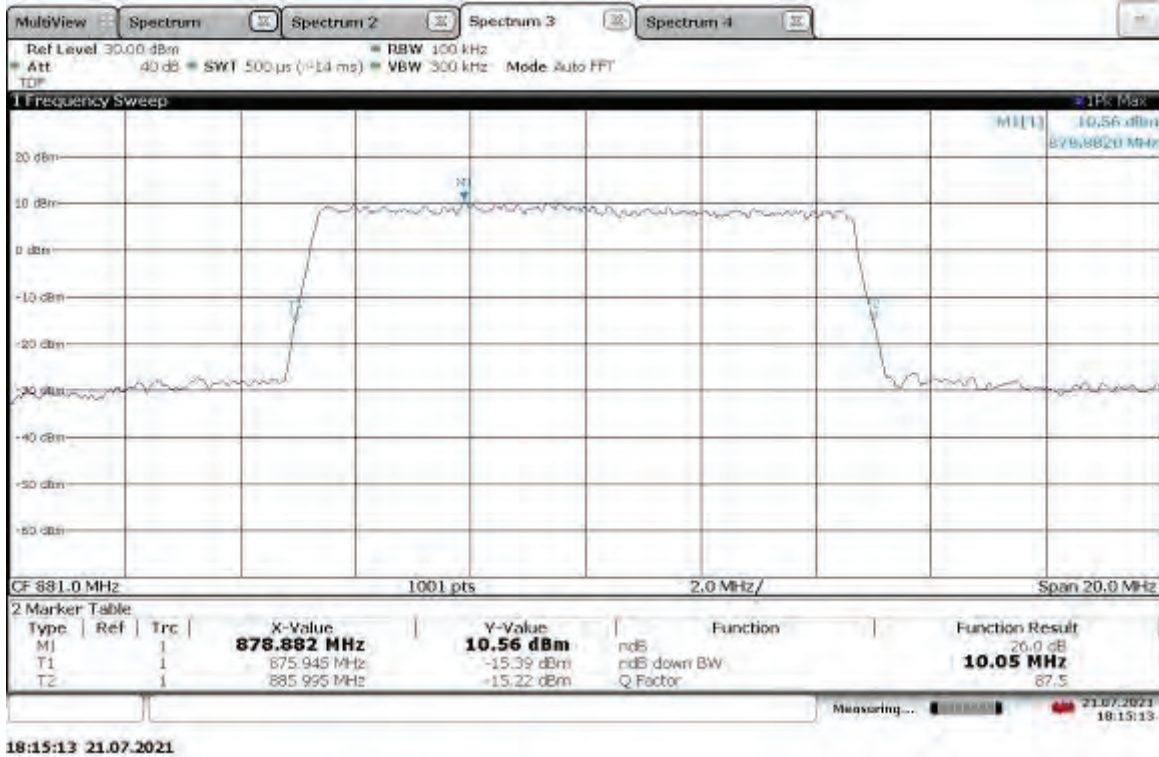
**TM1.1-QPSK_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel 26dB Bandwidth**

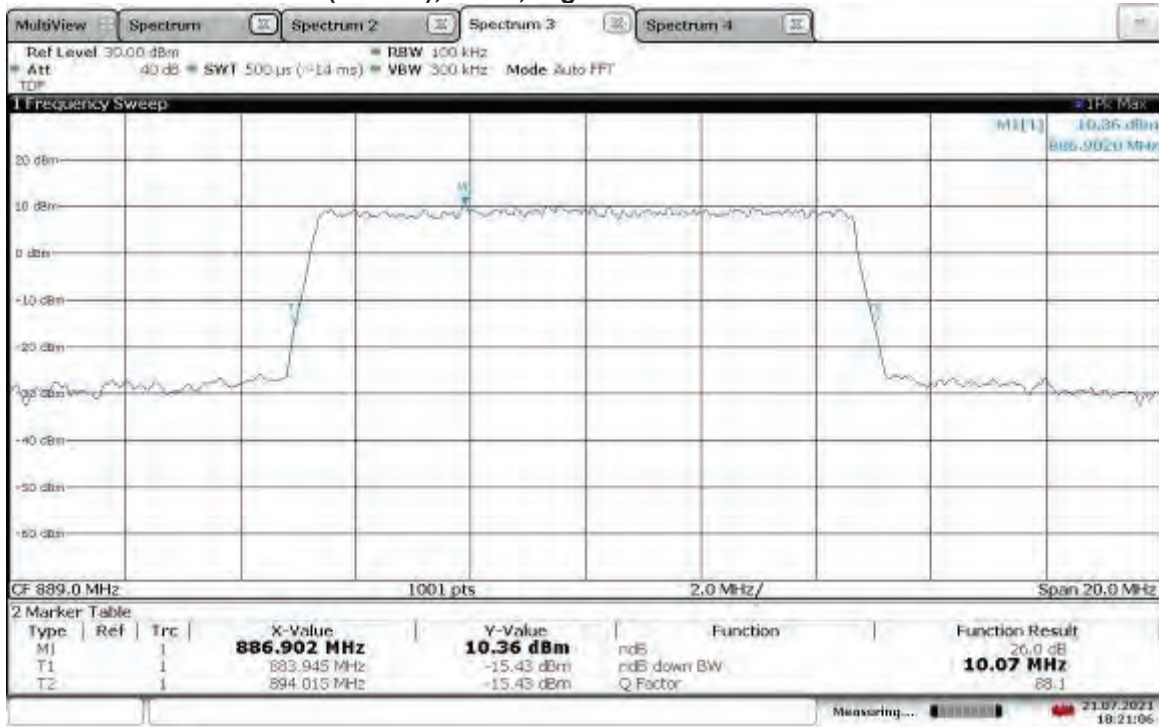
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TM1.1-QPSK_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel 26dB Bandwidth

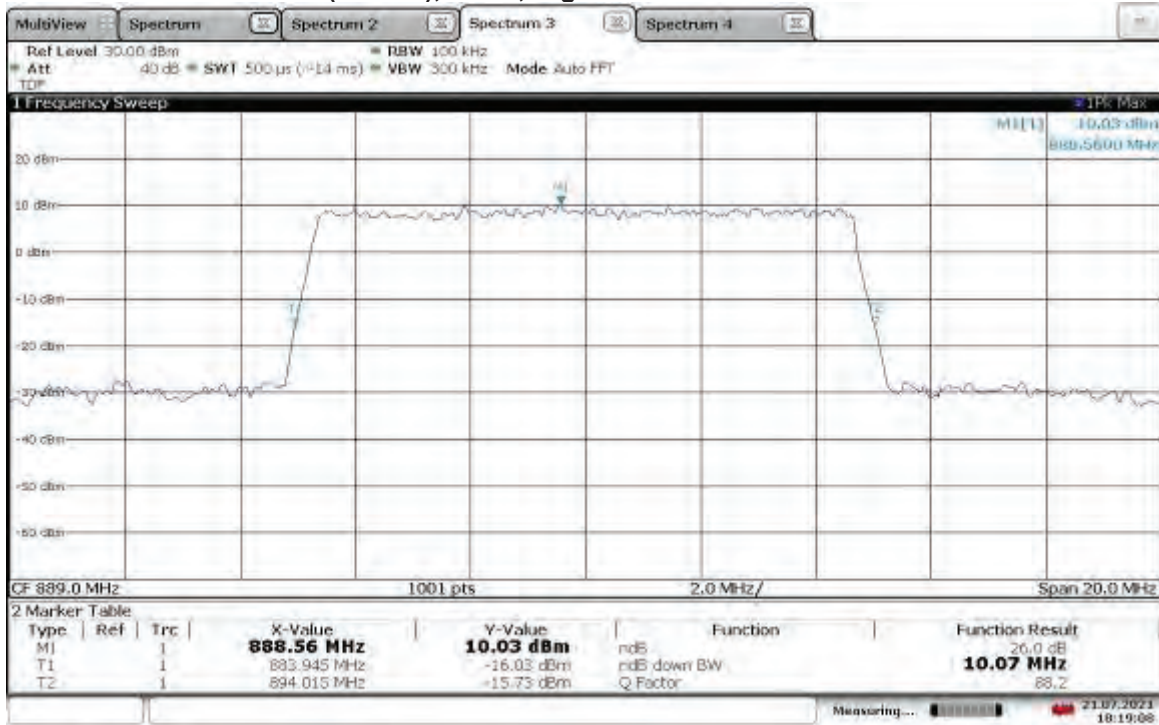


TM1.1-QPSK_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel 26dB Bandwidth



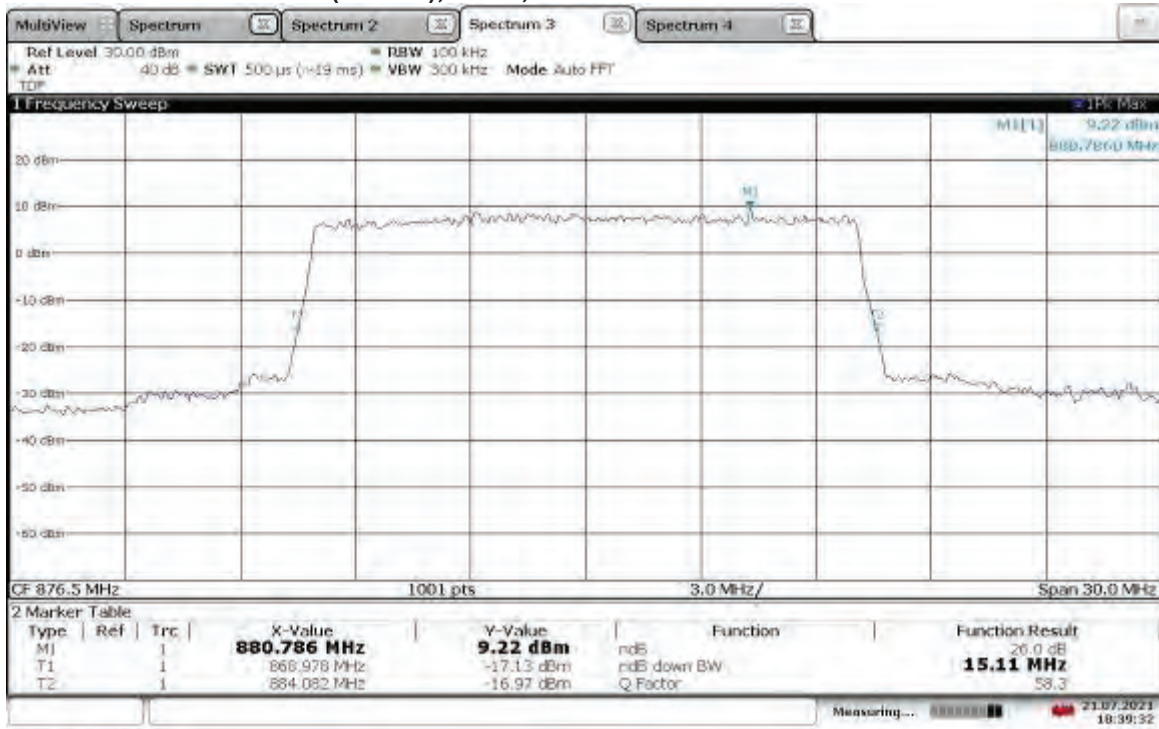
**TM1.1-QPSK_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel 26dB Bandwidth**

18:21:07 21.07.2021

**TM1.1-QPSK_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel 26dB Bandwidth**

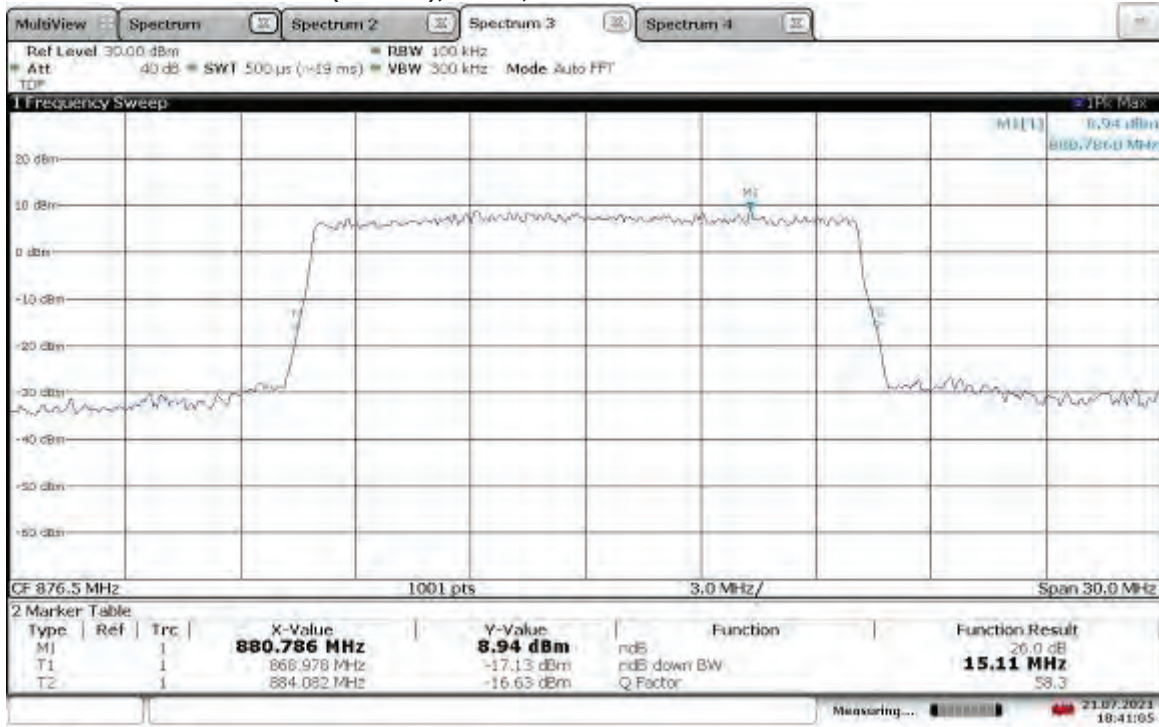
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TM1.1-QPSK_15 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel 26dB Bandwidth



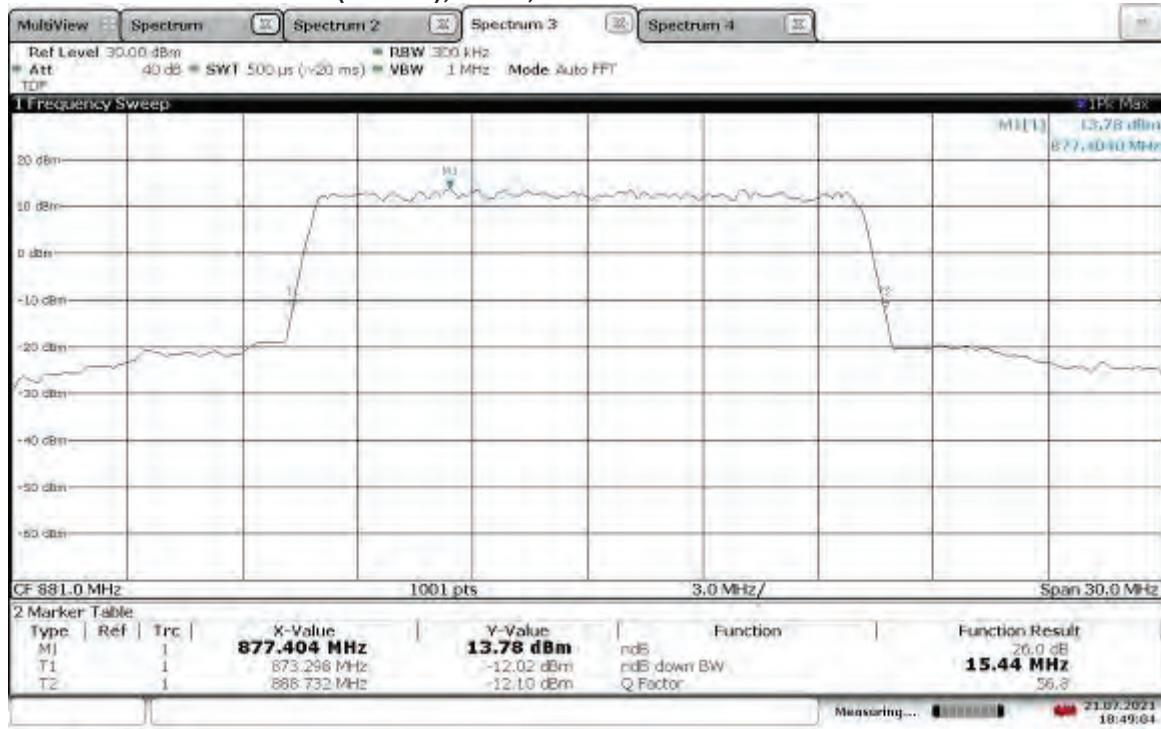
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TM1.1-QPSK_15 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel 26dB Bandwidth



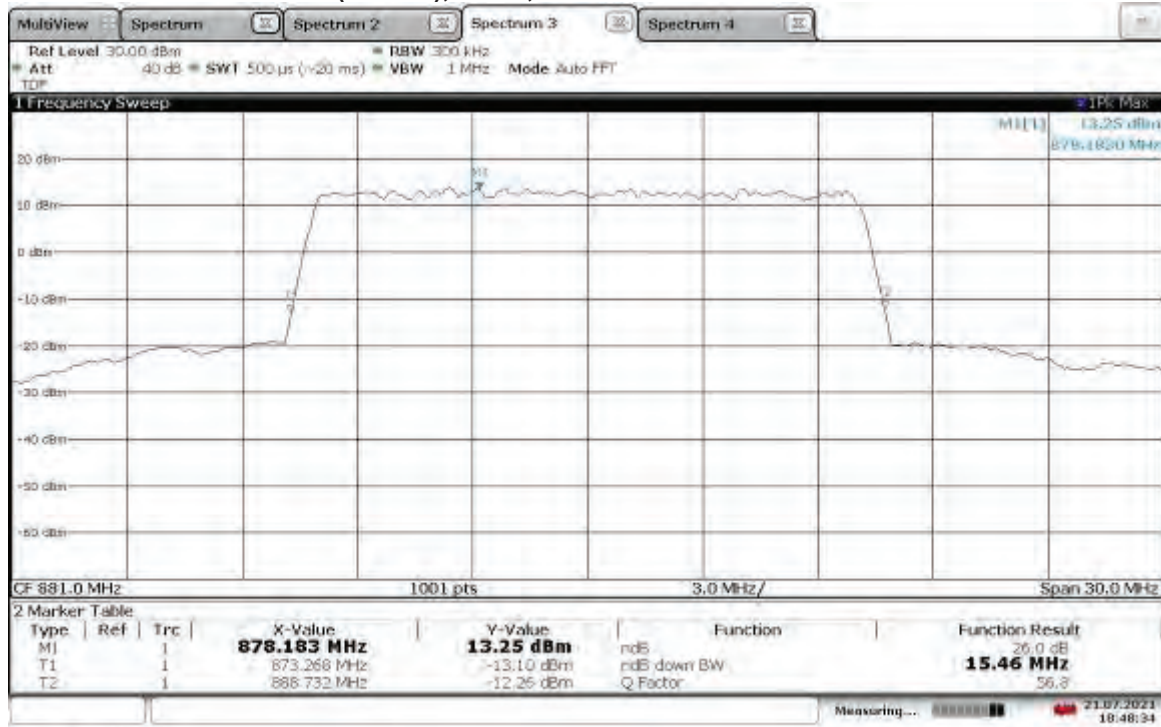
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TM1.1-QPSK_15 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel 26dB Bandwidth



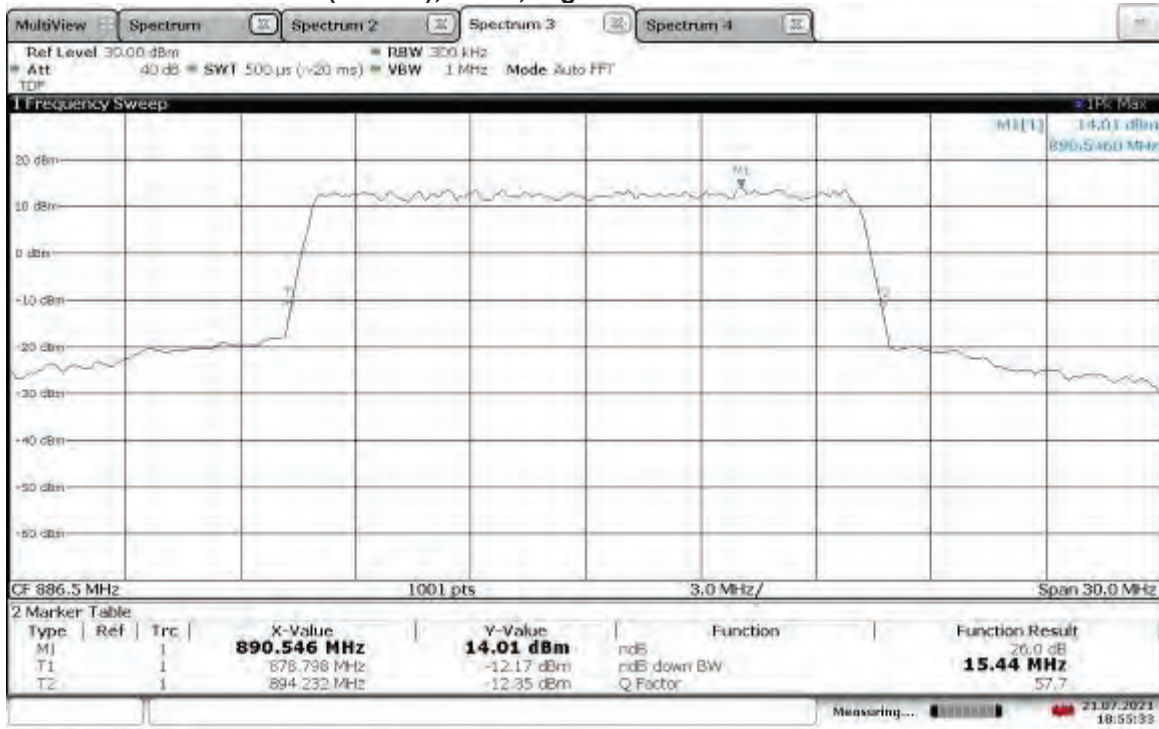
18:49:04 21.07.2021

TM1.1-QPSK_15 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel 26dB Bandwidth



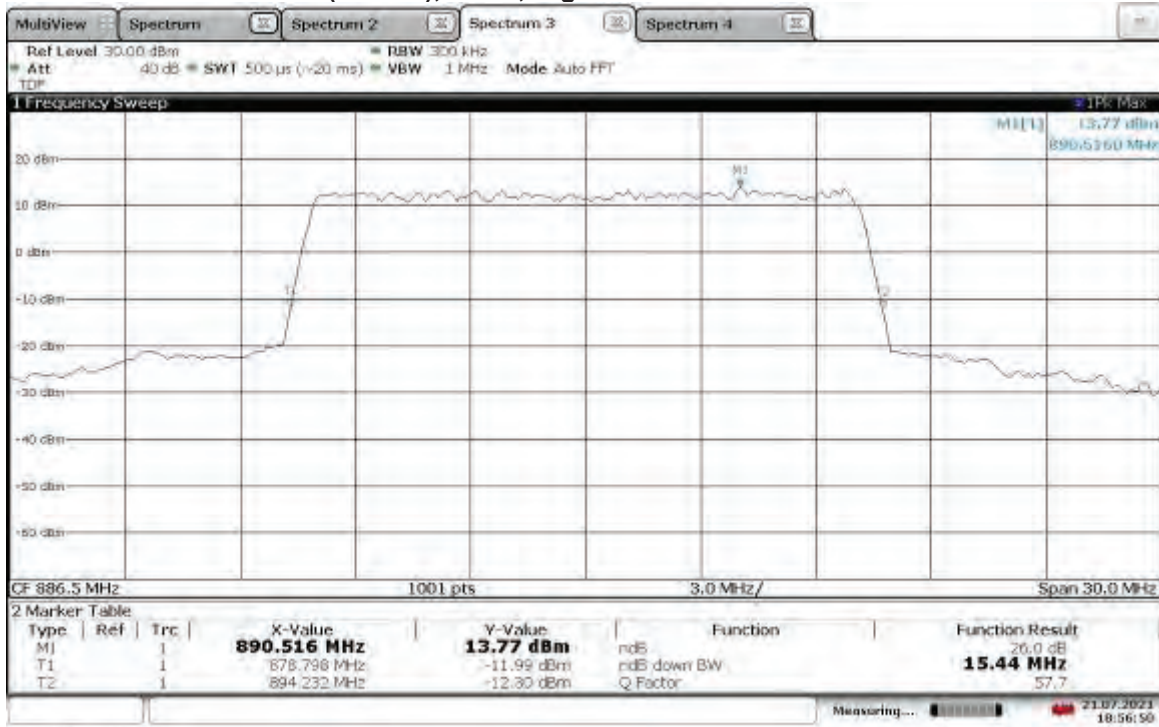
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TM1.1-QPSK_15 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel 26dB Bandwidth



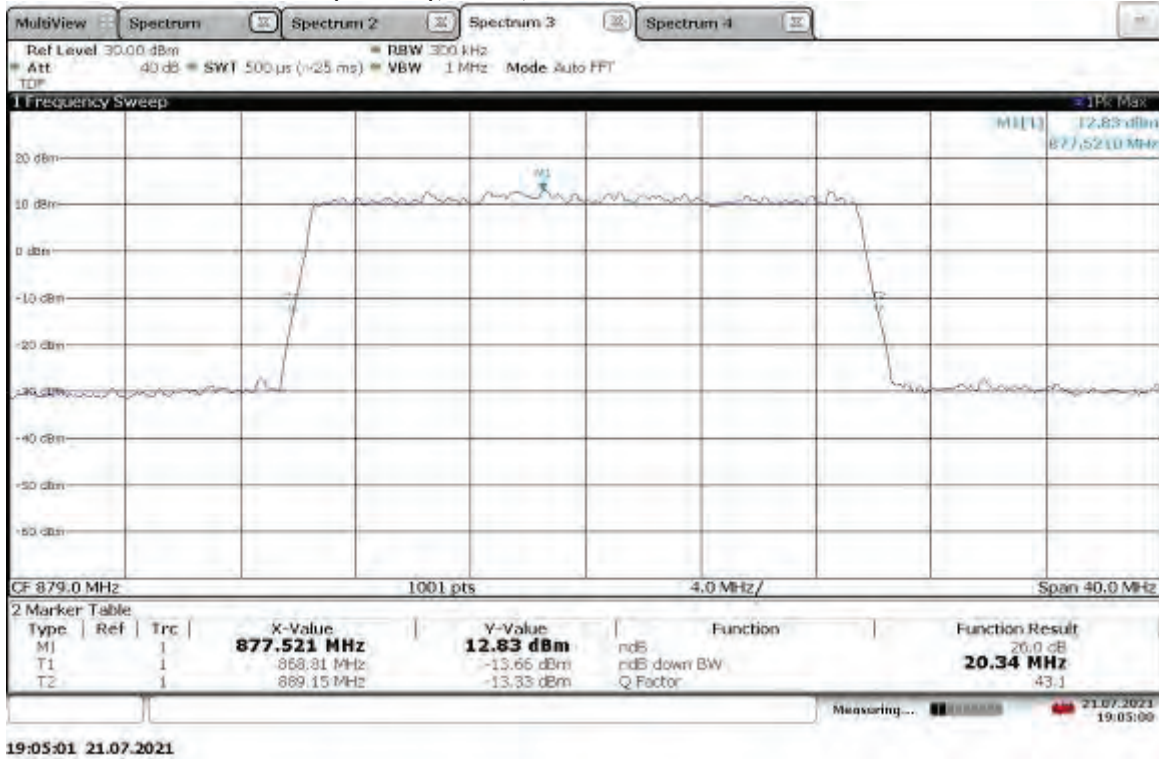
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TM1.1-QPSK_15 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel 26dB Bandwidth

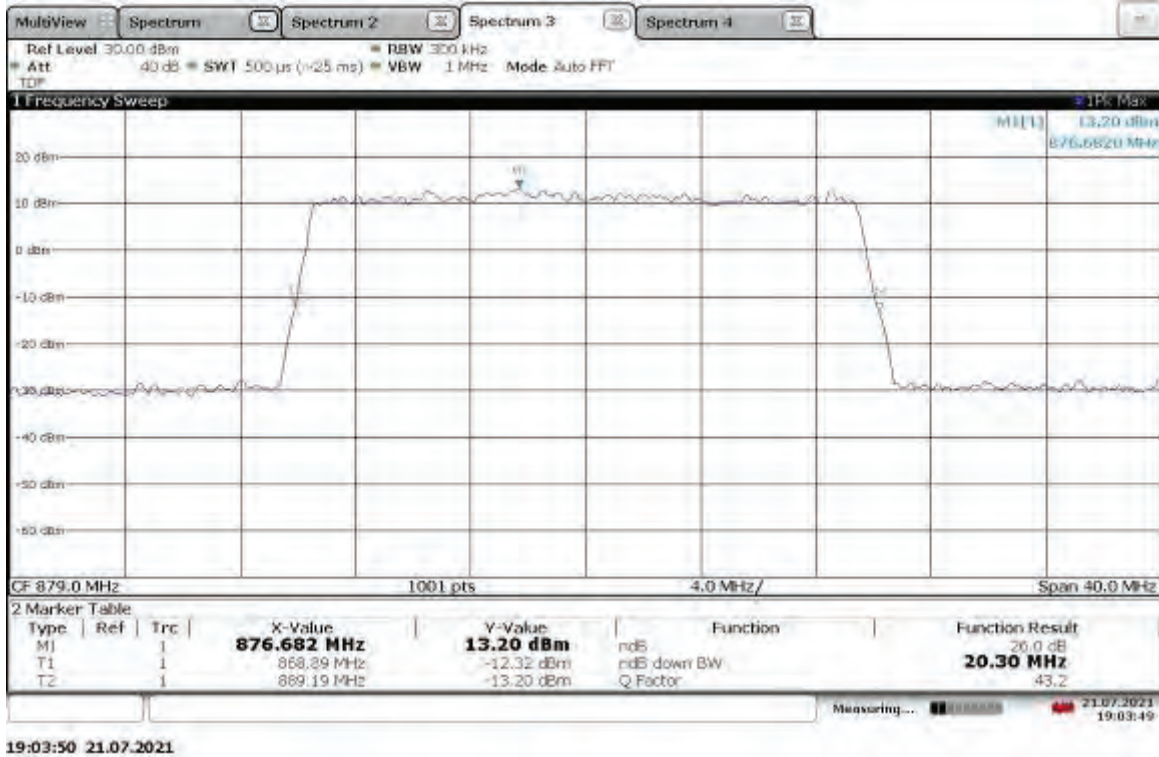


18:56:50 21.07.2021

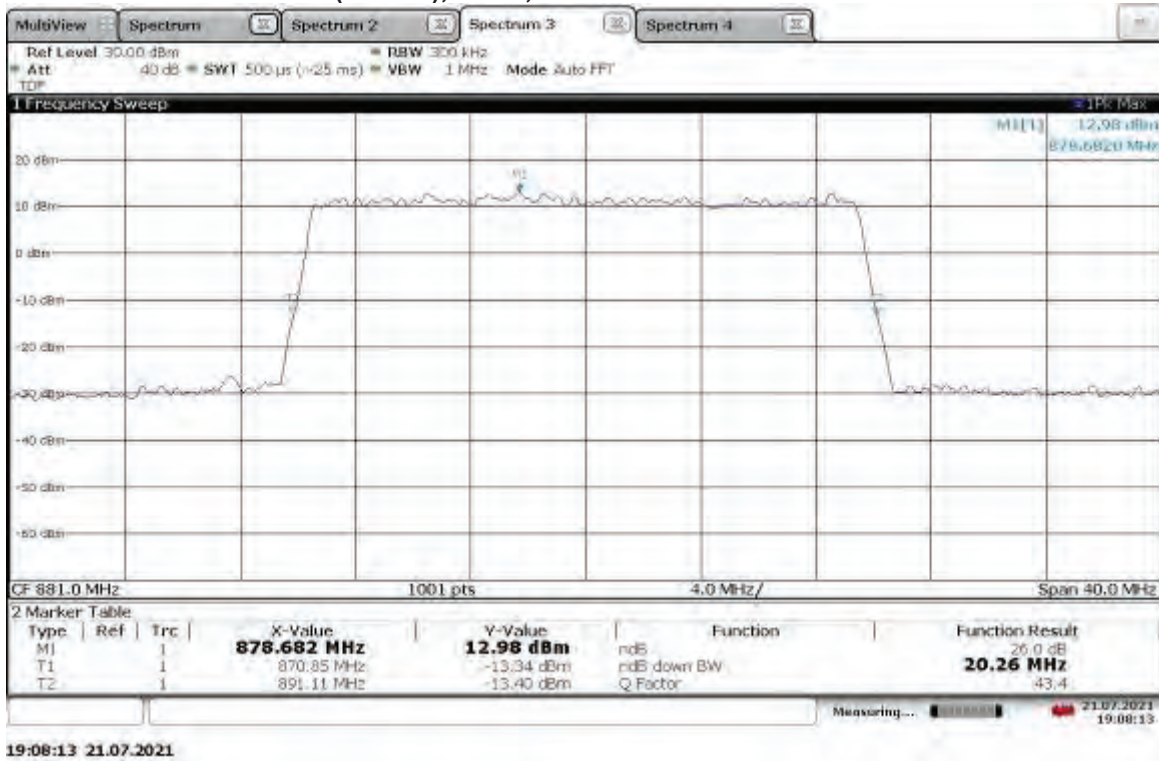
TM1.1-QPSK_20 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel 26dB Bandwidth



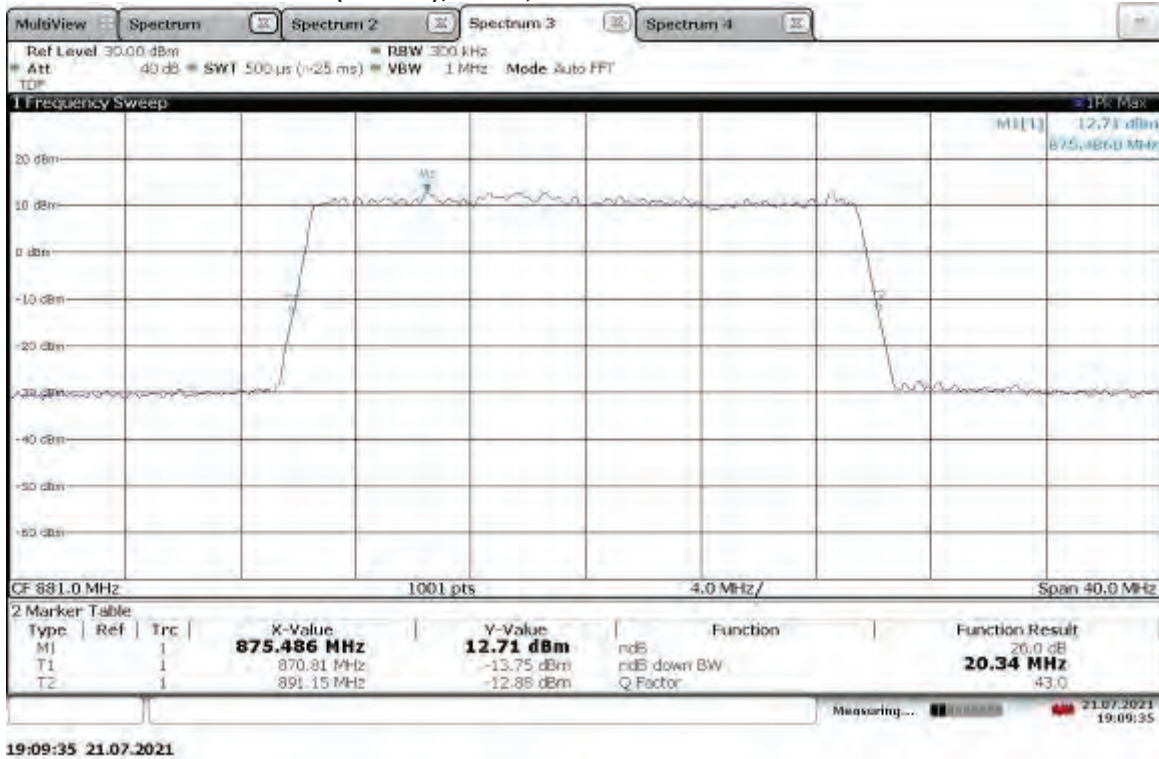
TM1.1-QPSK_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel 26dB Bandwidth



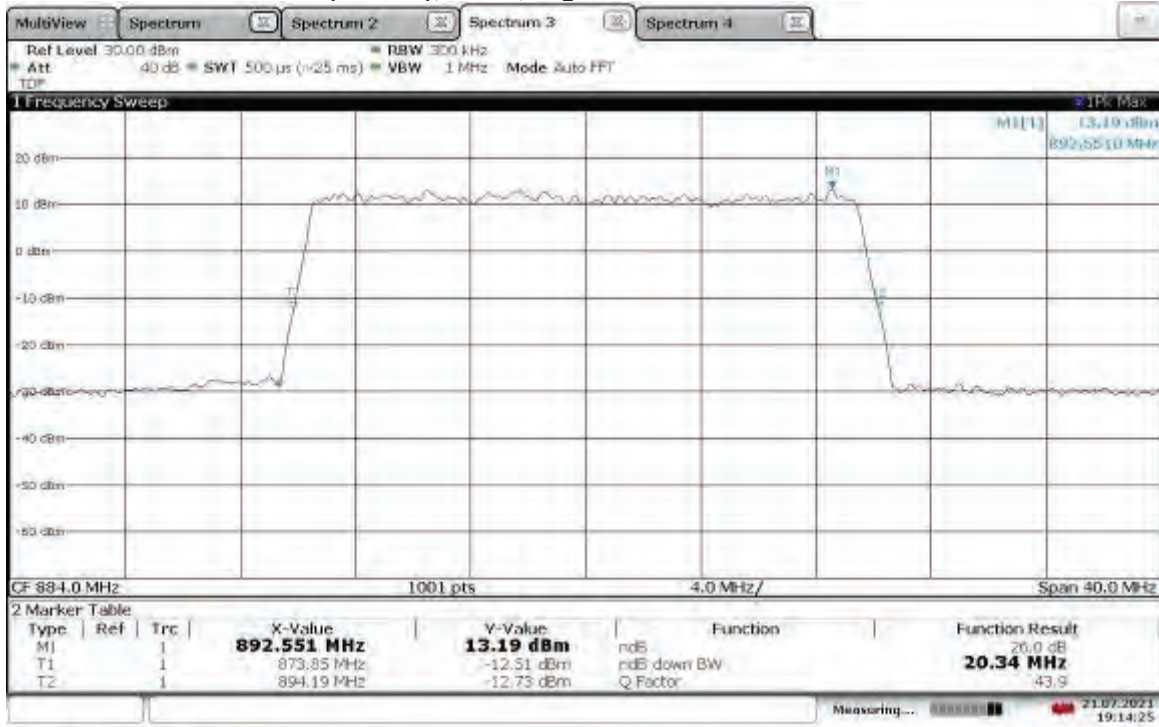
TM1.1-QPSK_20 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel 26dB Bandwidth



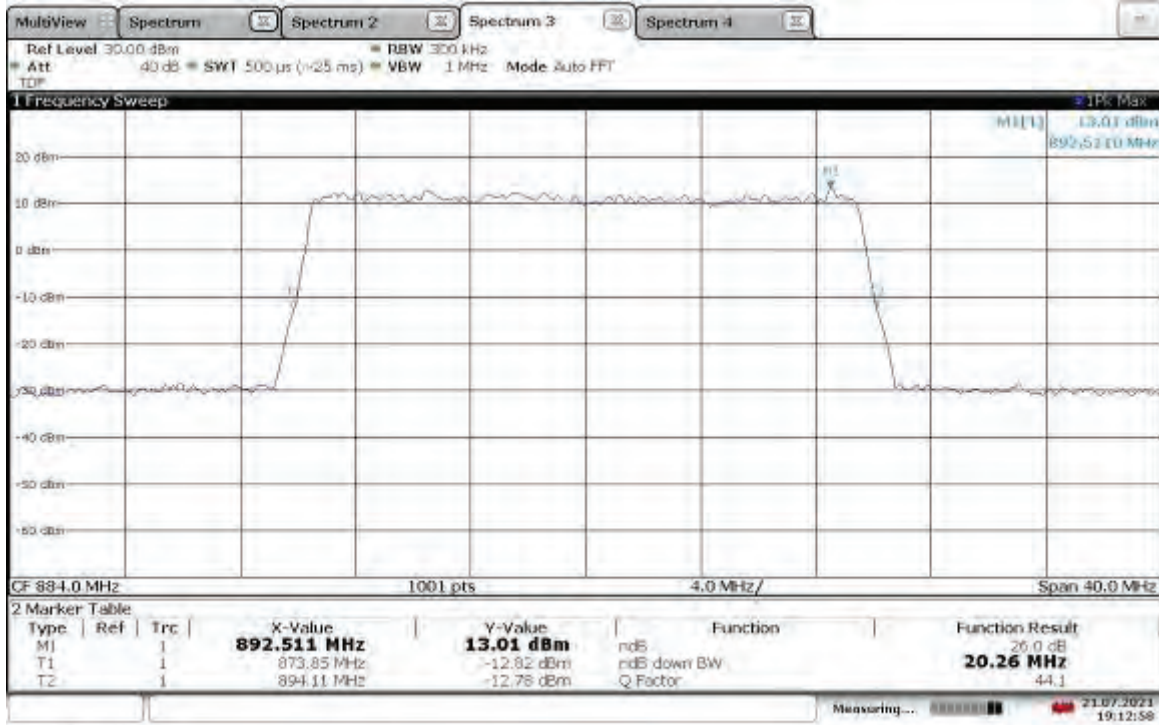
TM1.1-QPSK_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel 26dB Bandwidth



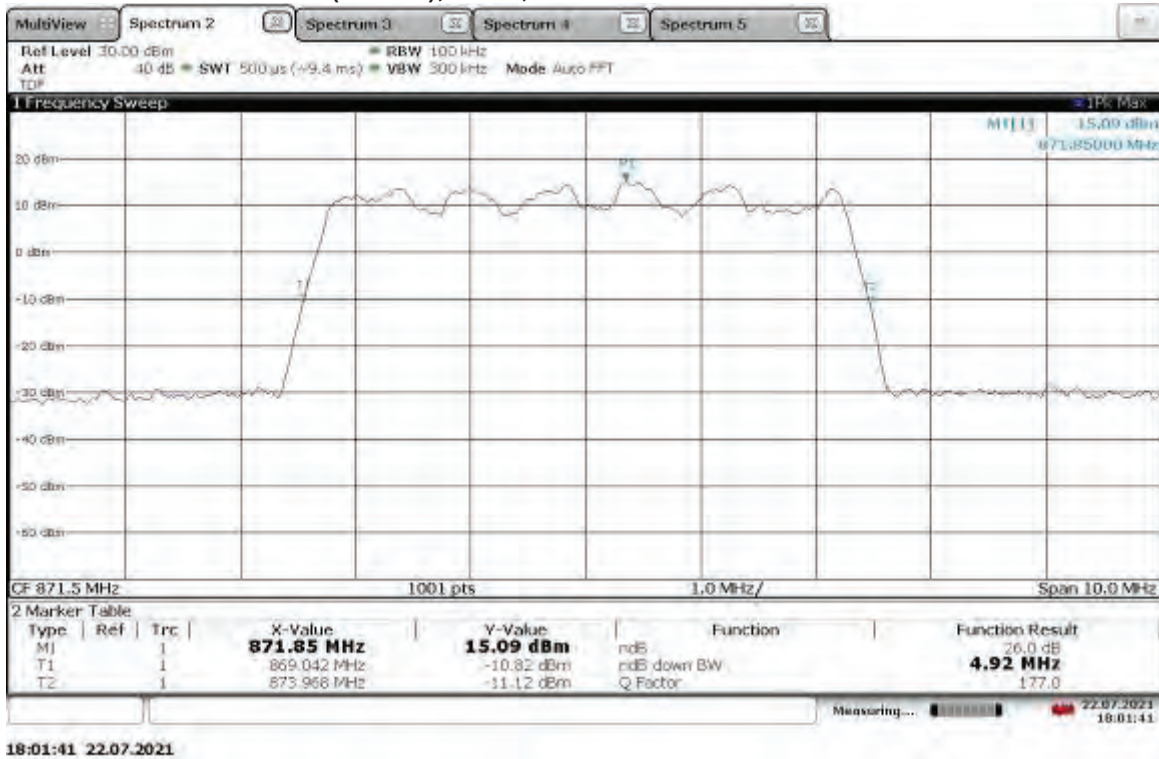
TM1.1-QPSK_20 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel 26dB Bandwidth



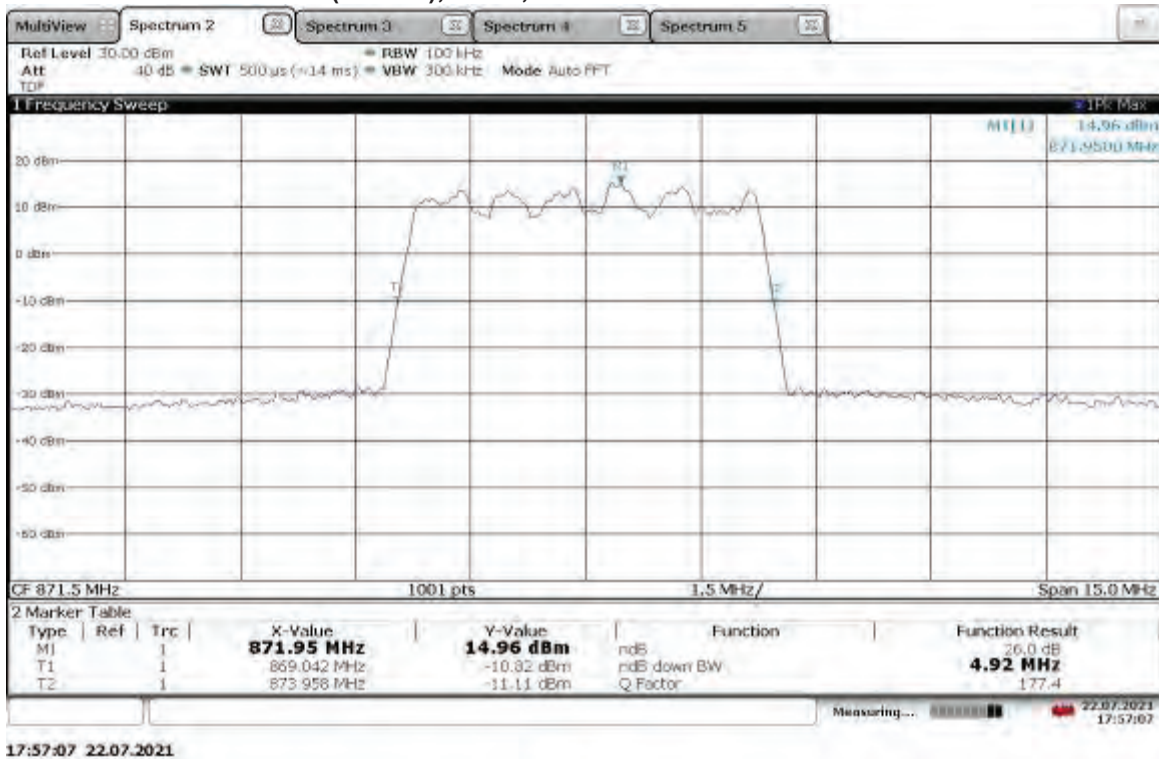
TM1.1-QPSK_20 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel 26dB Bandwidth



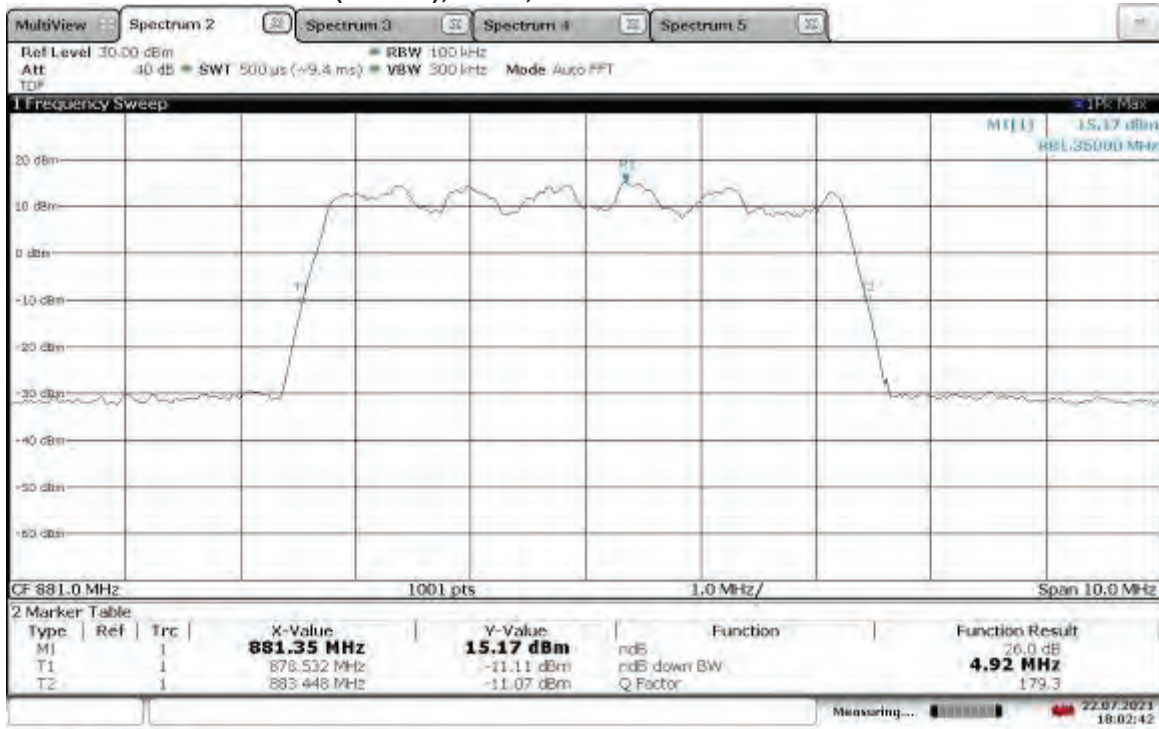
TM3.2-16QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel 26dB Bandwidth



TM3.2-16QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel 26dB Bandwidth

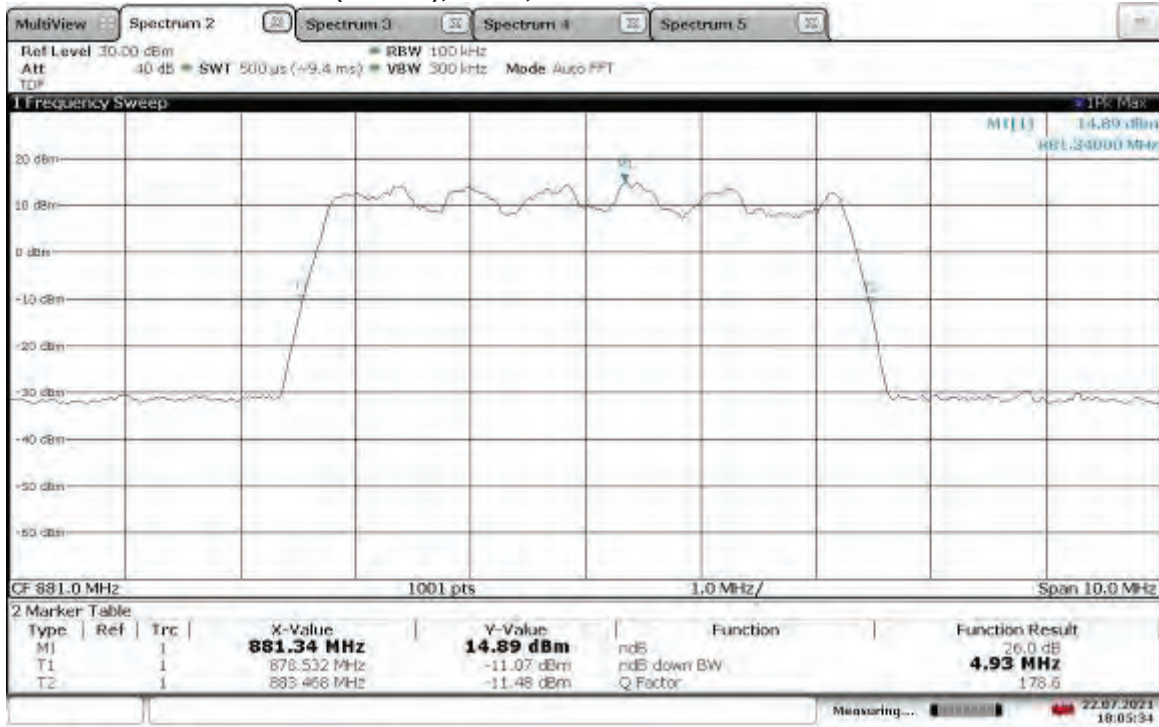


TM3.2-16QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel 26dB Bandwidth



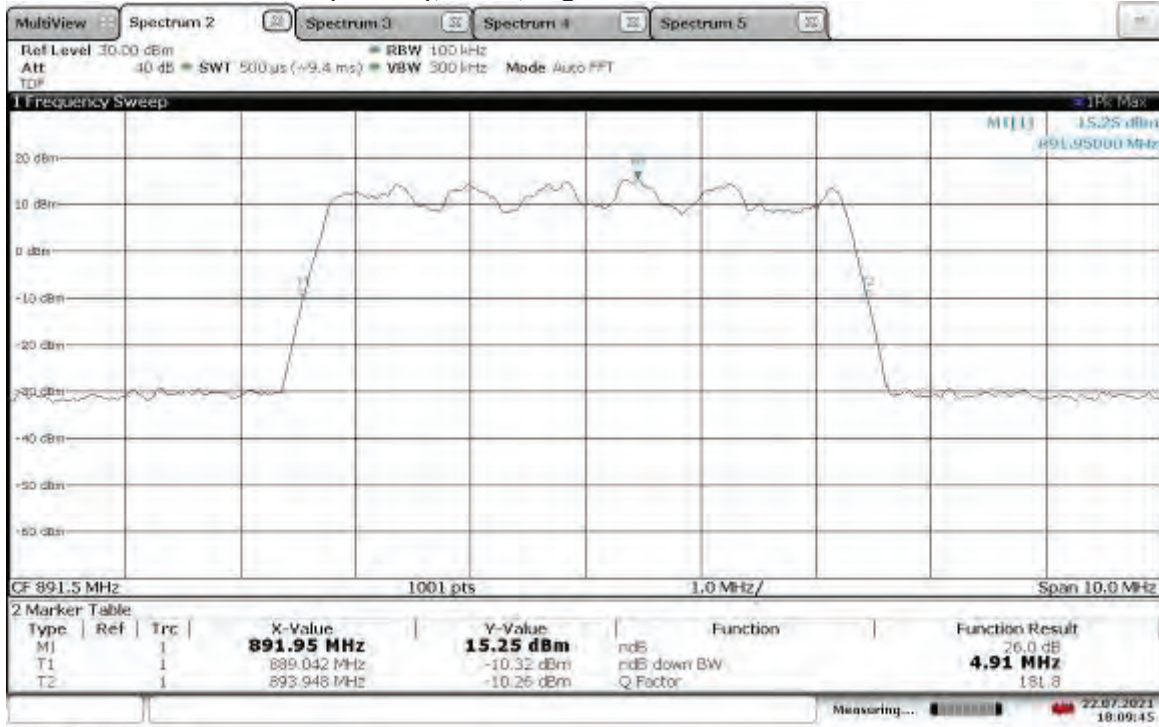
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TM3.2-16QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel 26dB Bandwidth



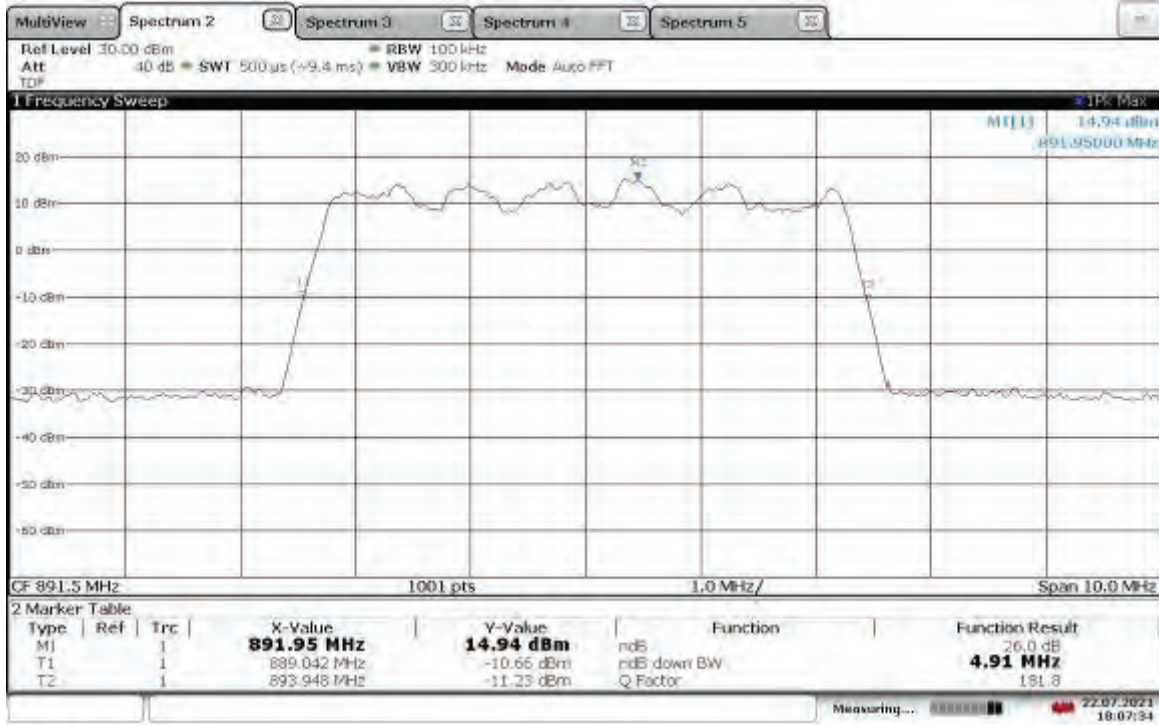
18:03:34 22.07.2021

TM3.2-16QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel 26dB Bandwidth



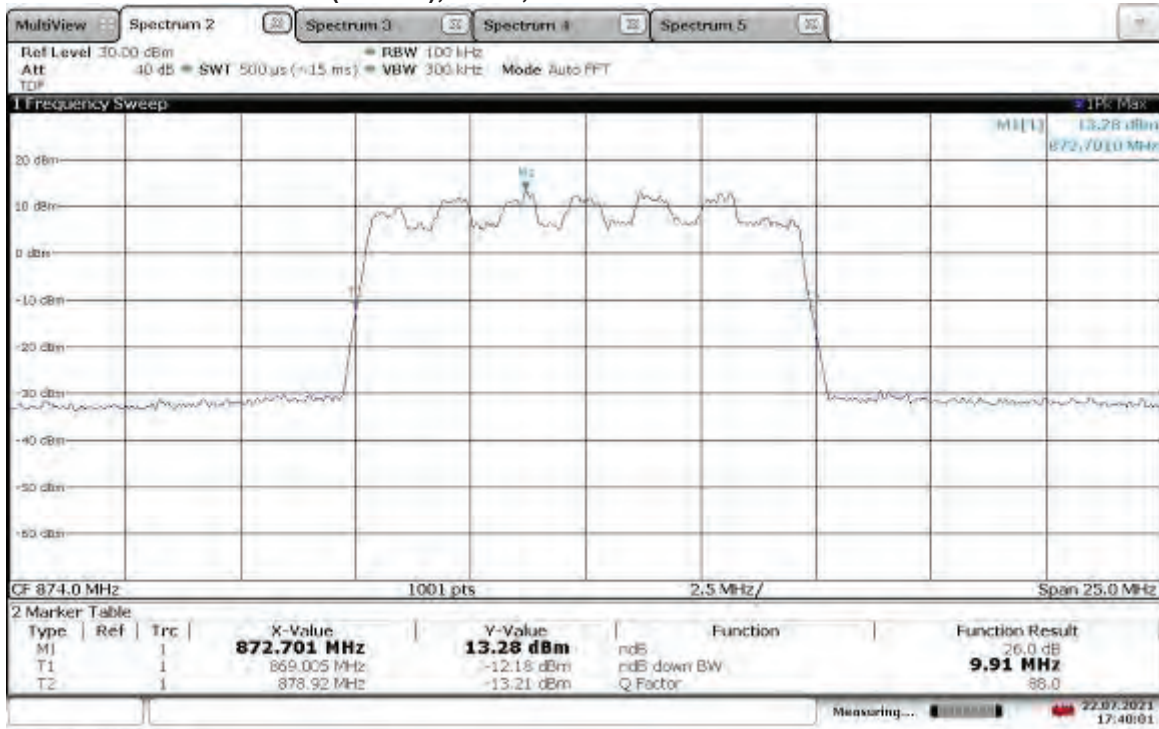
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TM3.2-16QAM_5 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel 26dB Bandwidth

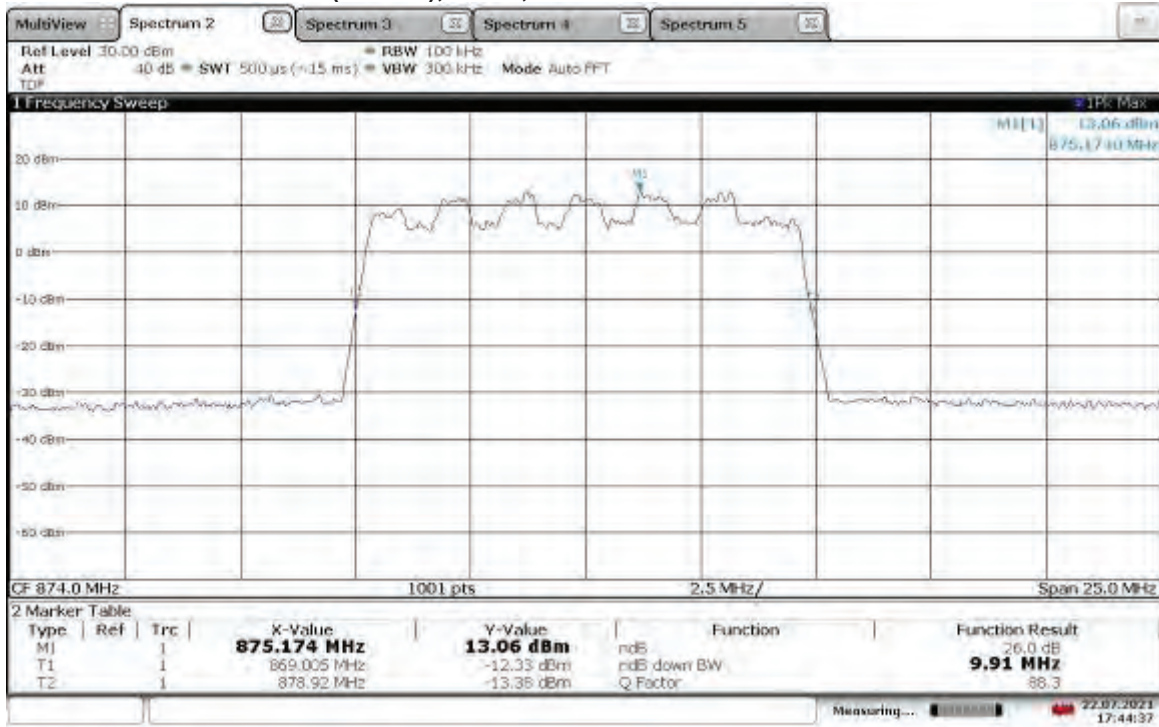


18:07:34 22.07.2021

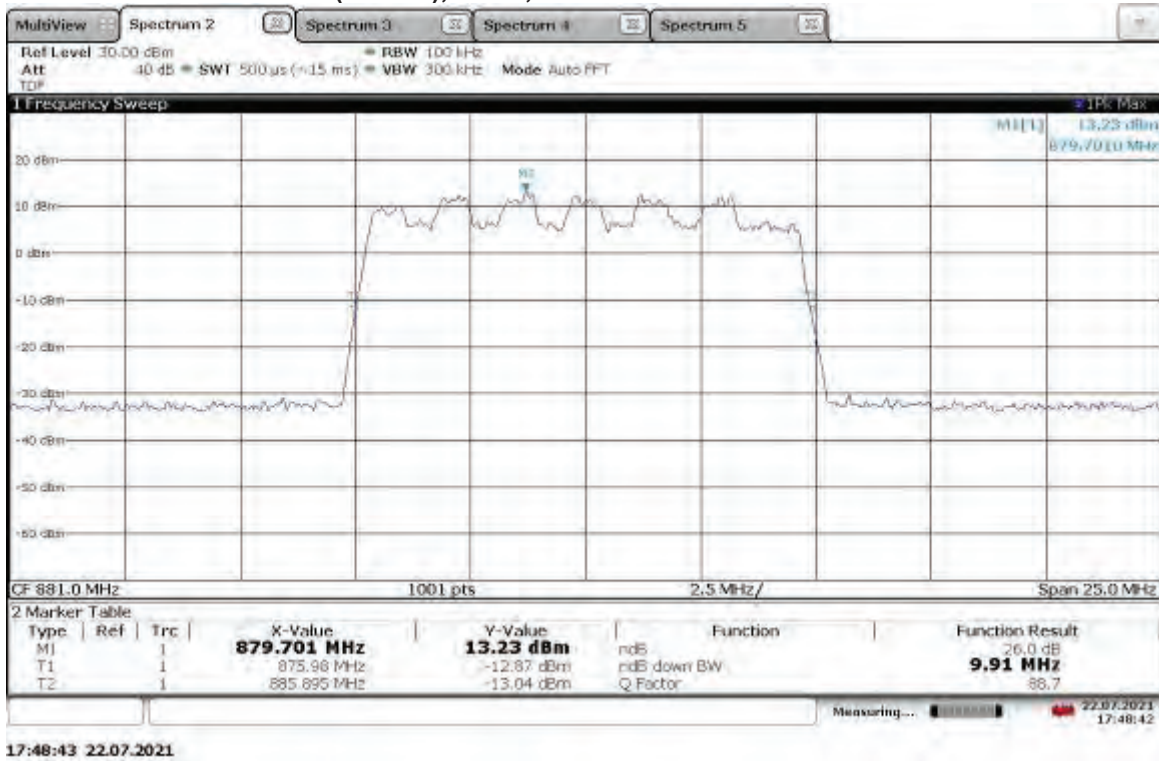
TM3.2-16QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel 26dB Bandwidth



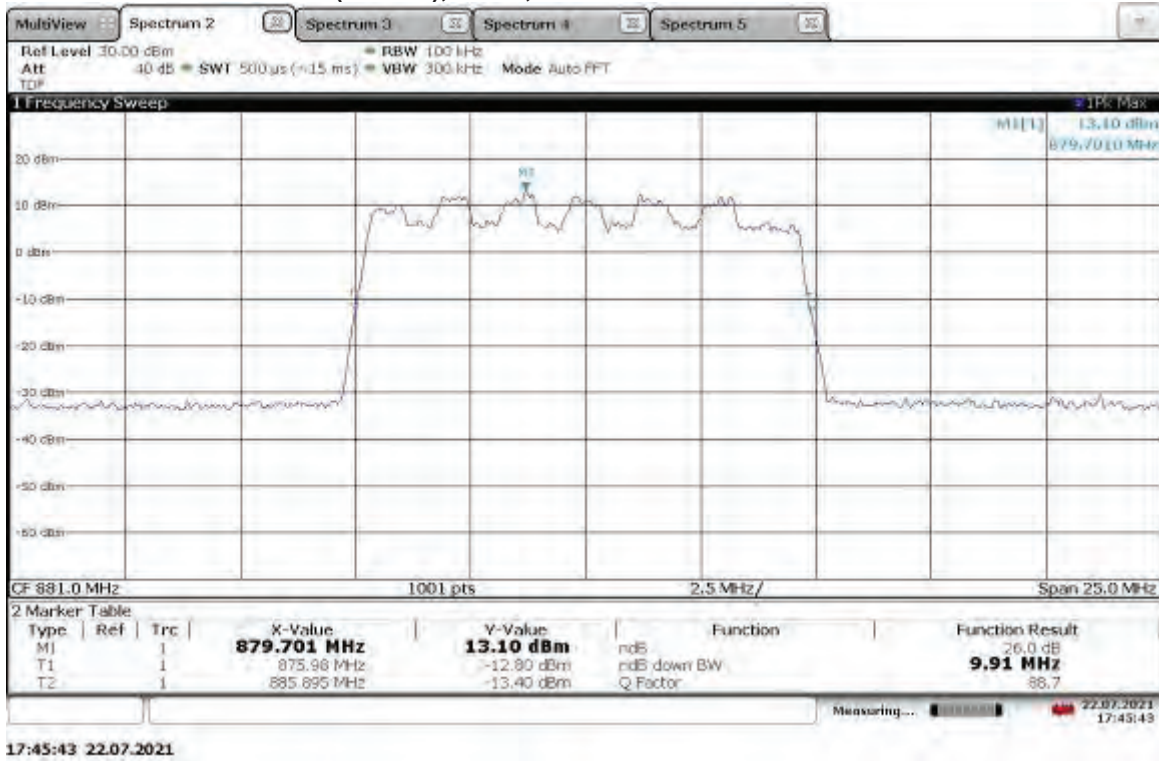
TM3.2-16QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel 26dB Bandwidth



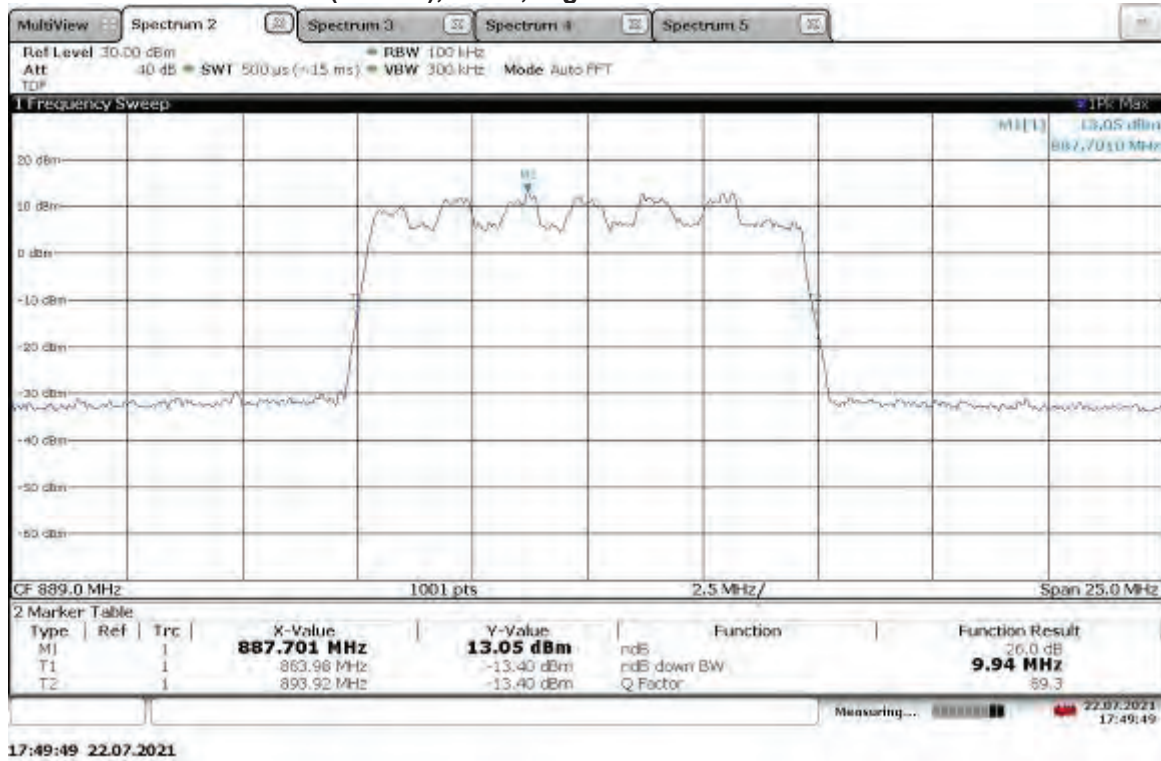
TM3.2-16QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel 26dB Bandwidth



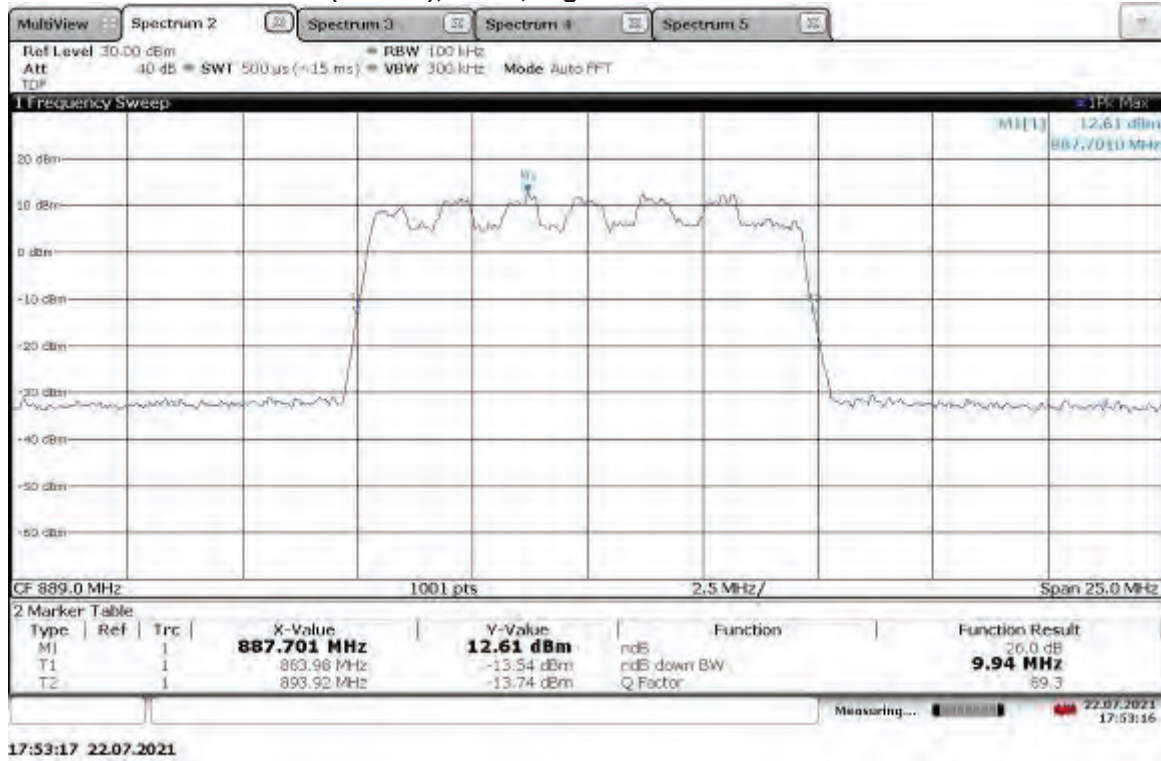
TM3.2-16QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel 26dB Bandwidth



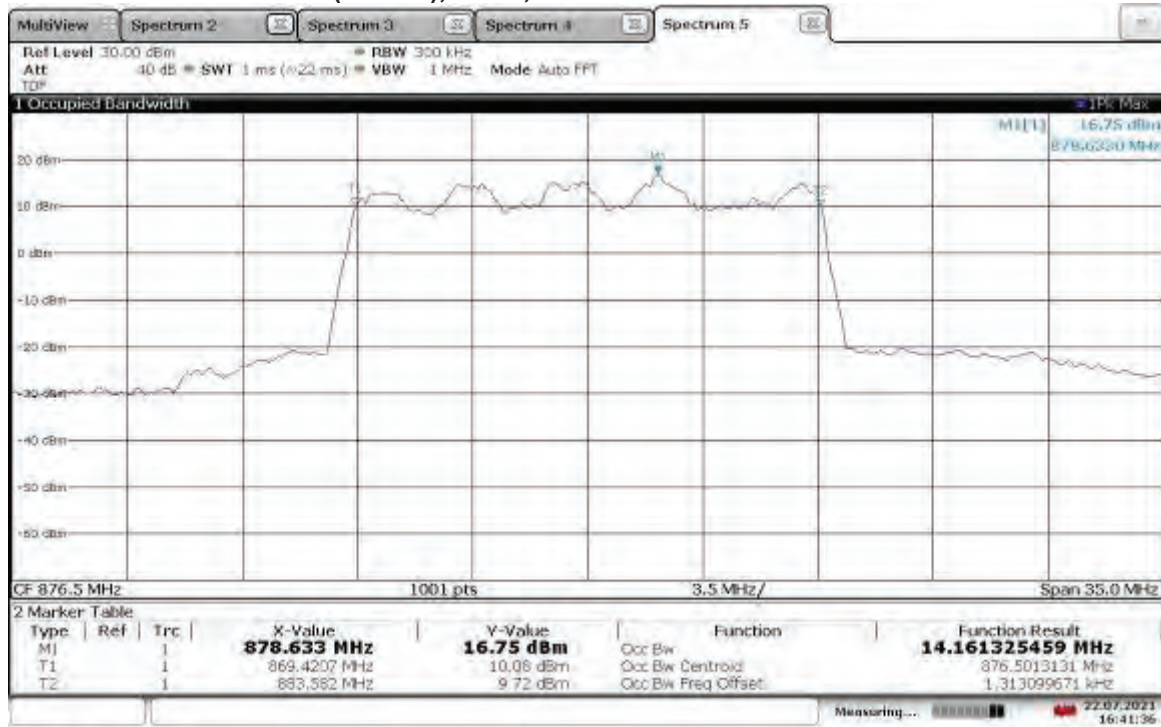
TM3.2-16QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT0, High Channel 26dB Bandwidth



TM3.2-16QAM_10 MHz Bandwidth
Slot 0 (Band 5), ANT1, High Channel 26dB Bandwidth

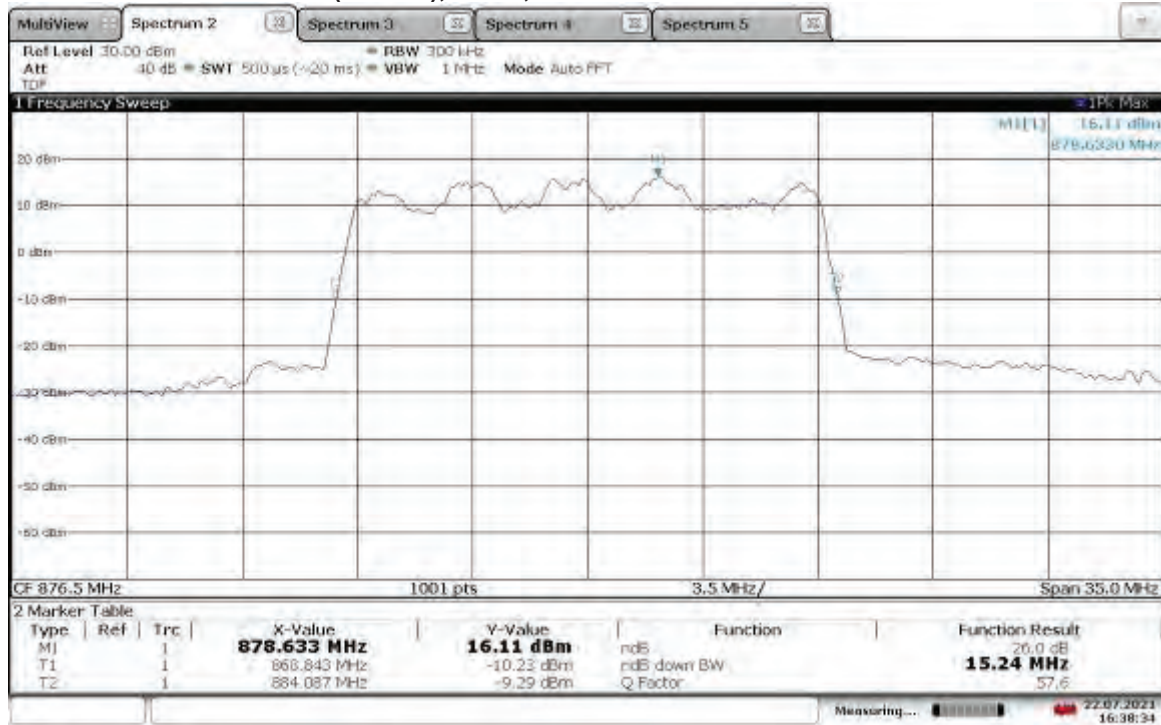


TM3.2-16QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT0, Low Channel 26dB Bandwidth



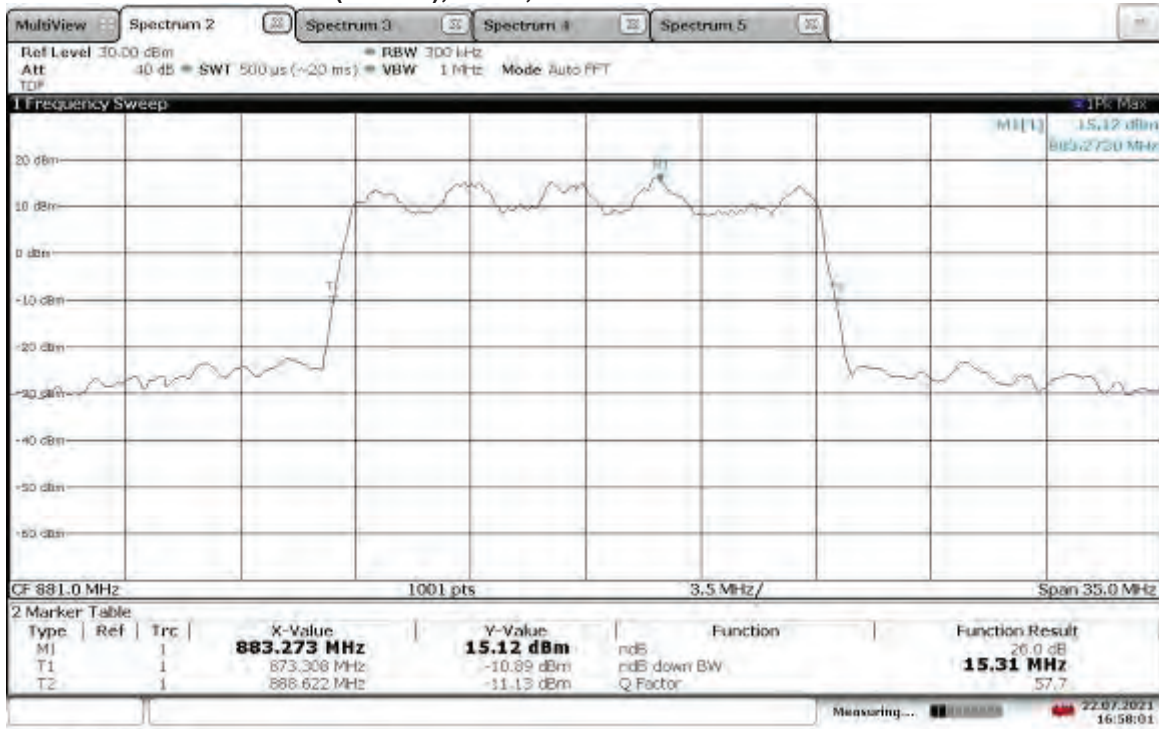
16:41:37 22.07.2021

TM3.2-16QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT1, Low Channel 26dB Bandwidth



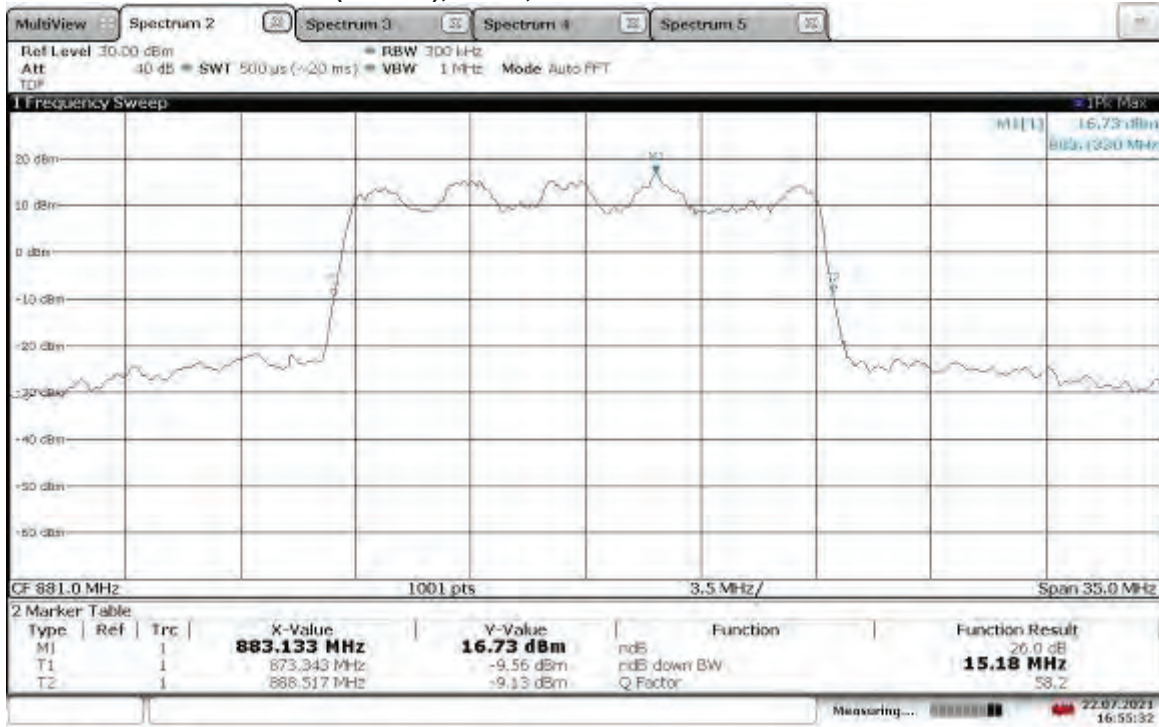
16:38:35 22.07.2021

TM3.2-16QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT0, Mid Channel 26dB Bandwidth



16:58:01 22.07.2021

TM3.2-16QAM_15 MHz Bandwidth
Slot 0 (Band 5), ANT1, Mid Channel 26dB Bandwidth



16:55:33 22.07.2021