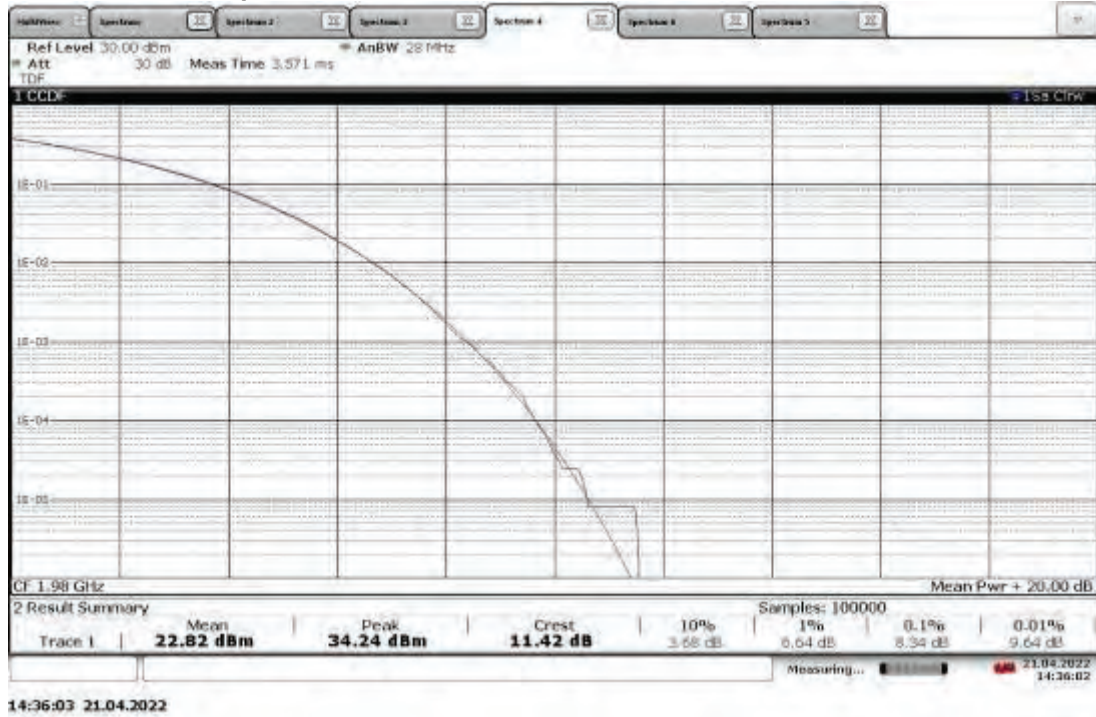
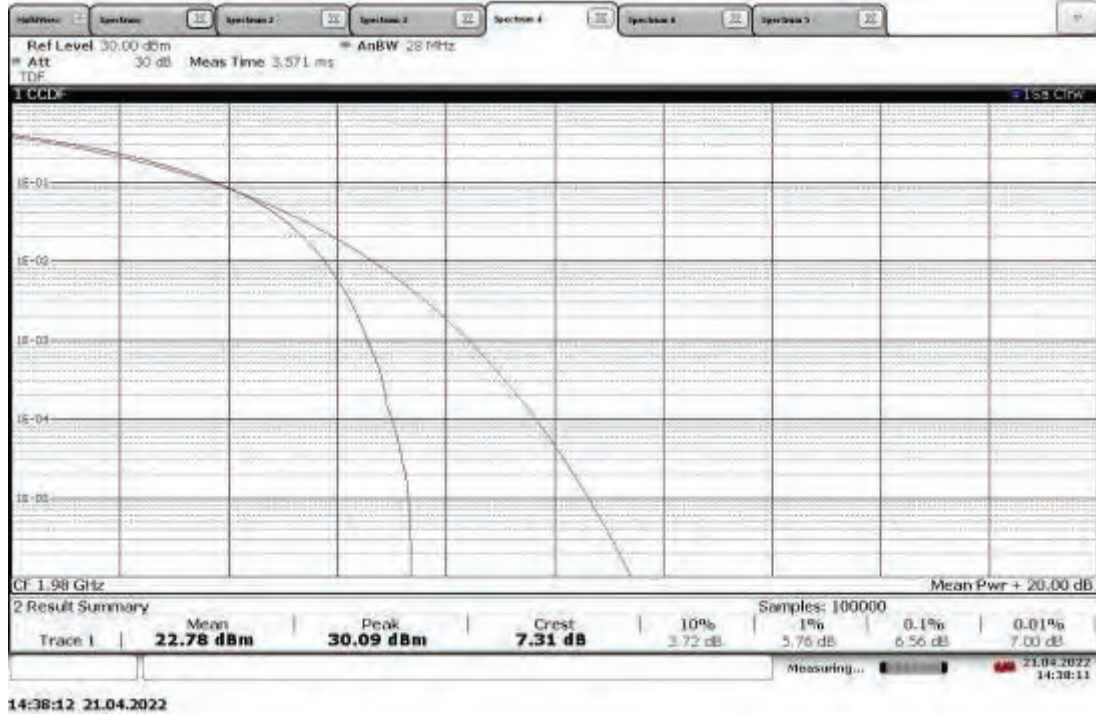


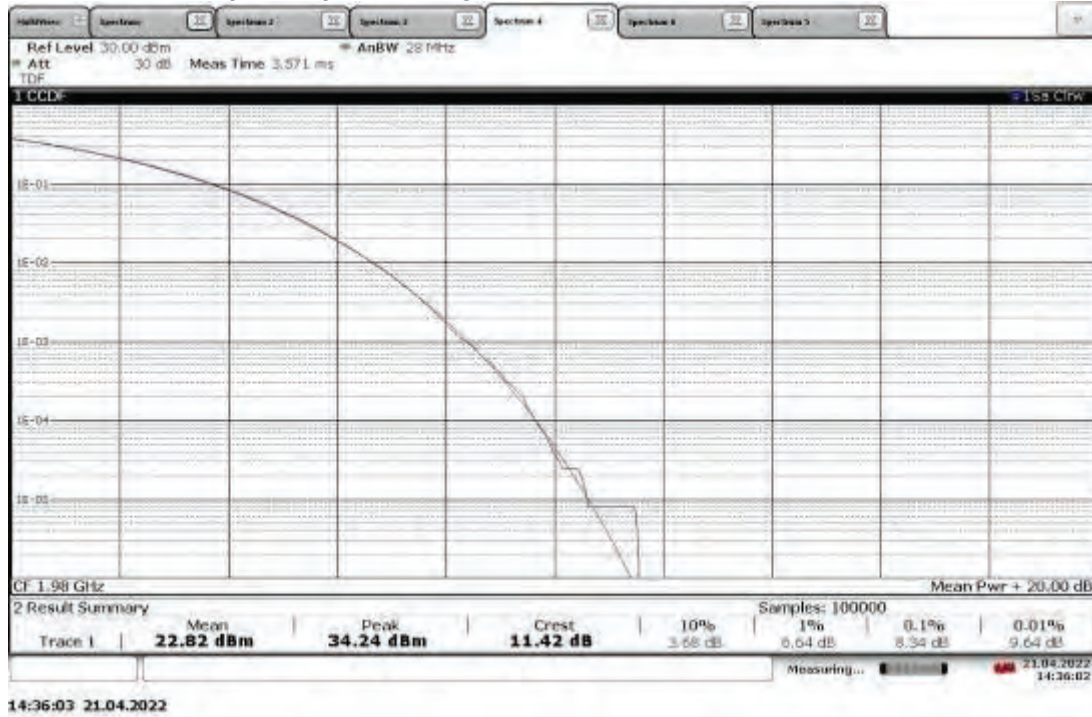
TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2, ANT0, Mid Channel 1960 MHz, PAPR = 11.42 dB)



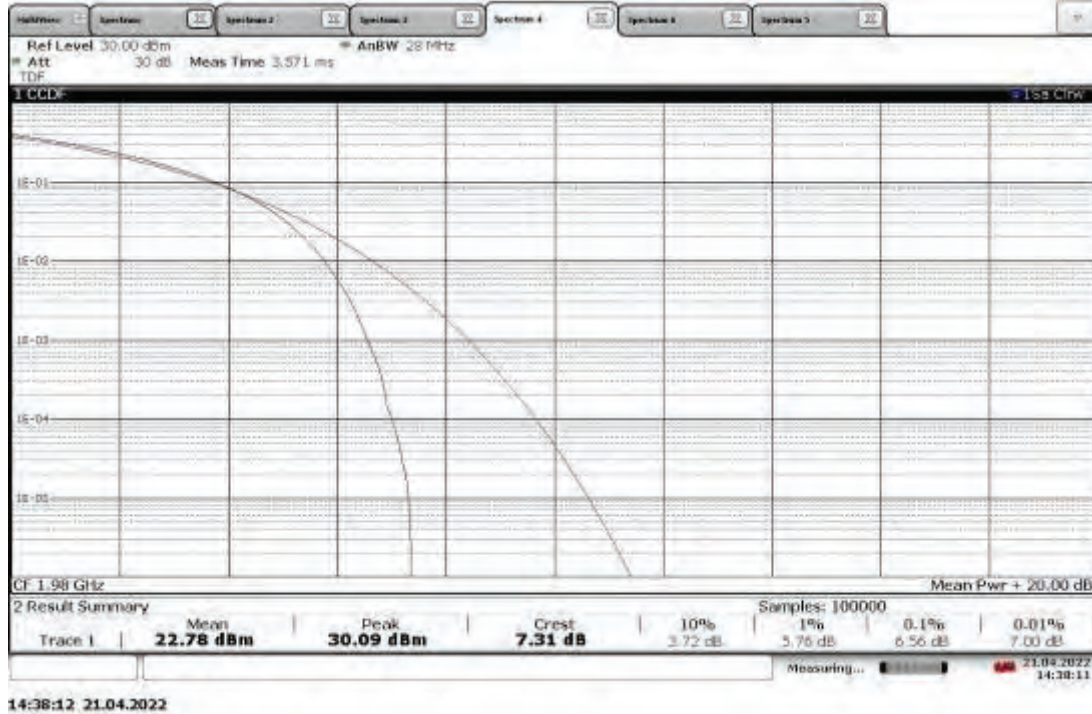
TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2, ANT1, Mid Channel 1960 MHz, PAPR = 7.31 dB)



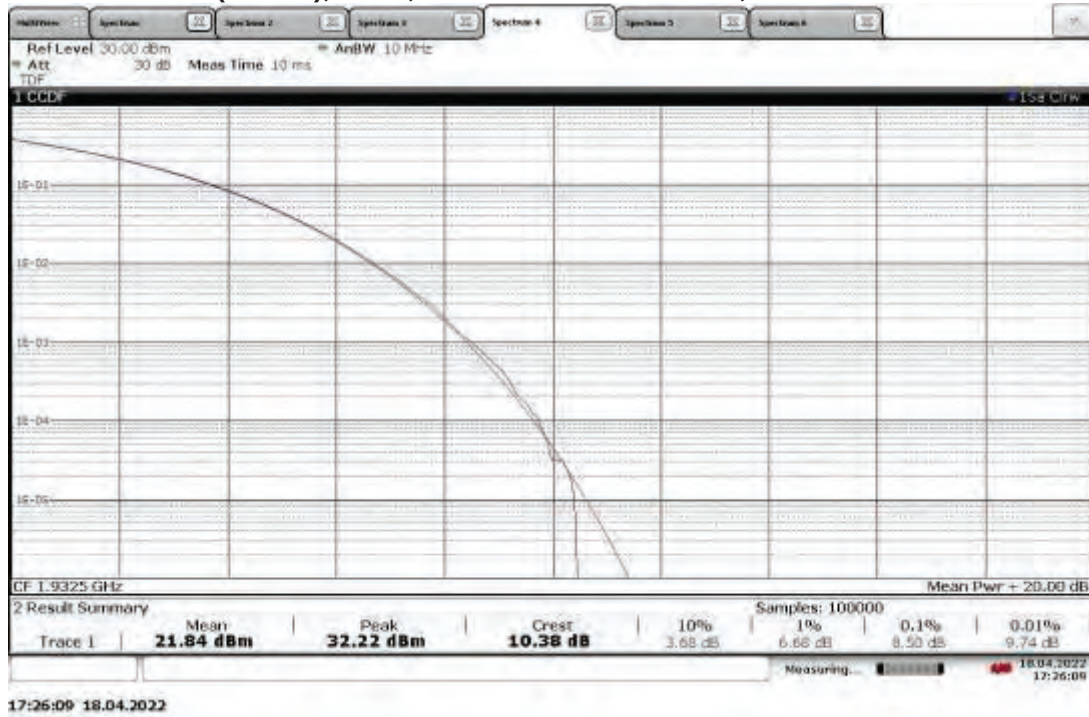
TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel 1980 MHz, PAPR = 11.42 dB



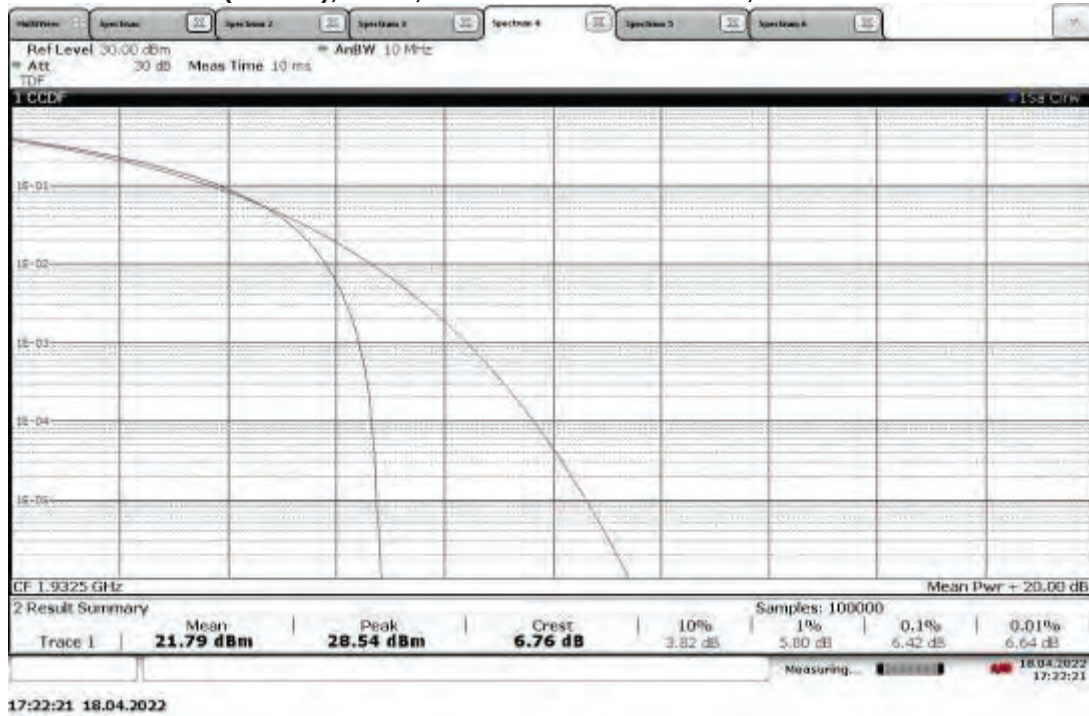
TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel 1980 MHz, PAPR = 7.31 dB



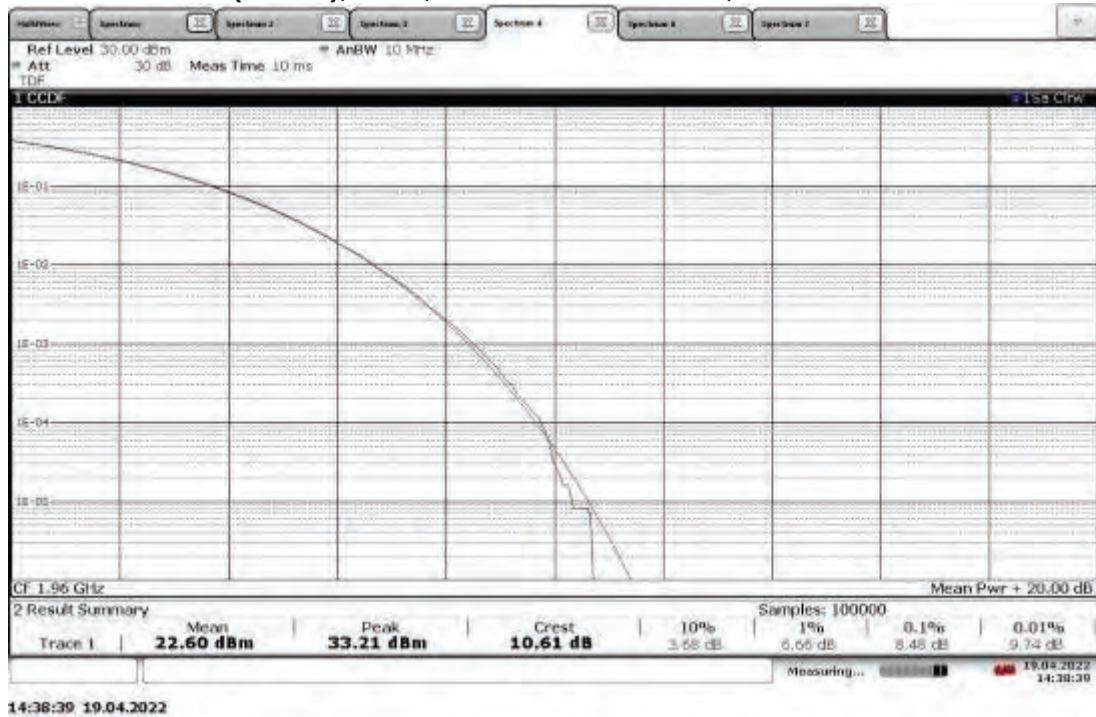
TM3.1a - 256QAM_5MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel 1932.5 MHz, PAPR = 10.38 dB



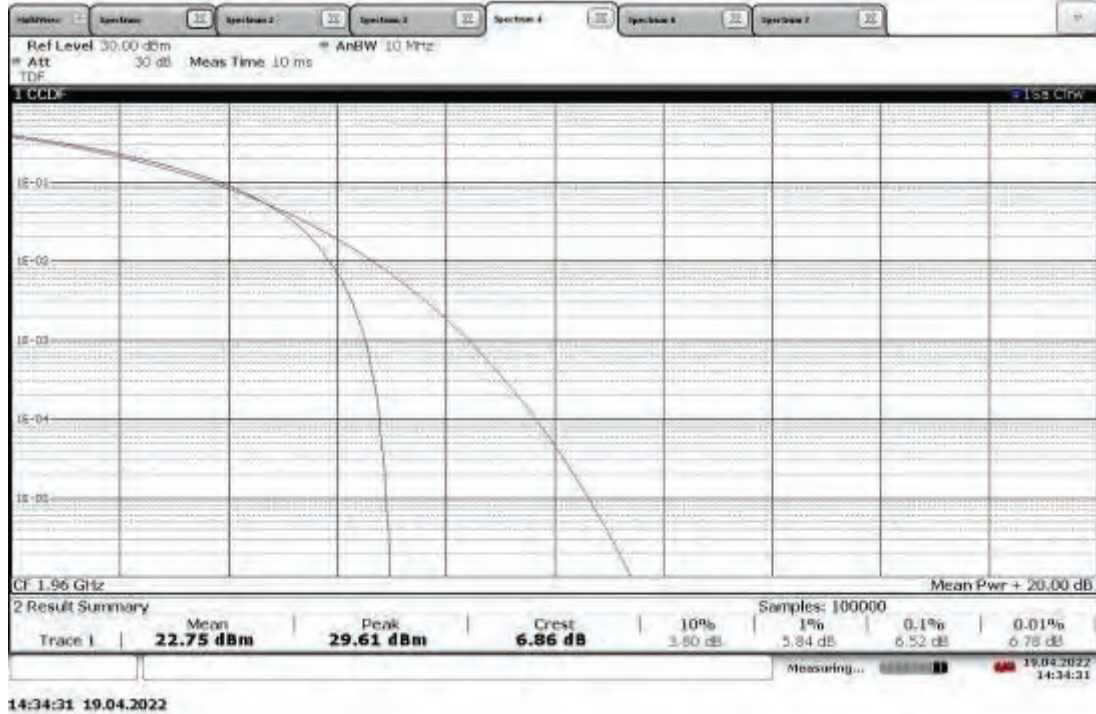
TM3.1a - 256QAM_5MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel 1932.5 MHz, PAPR = 6.76 dB



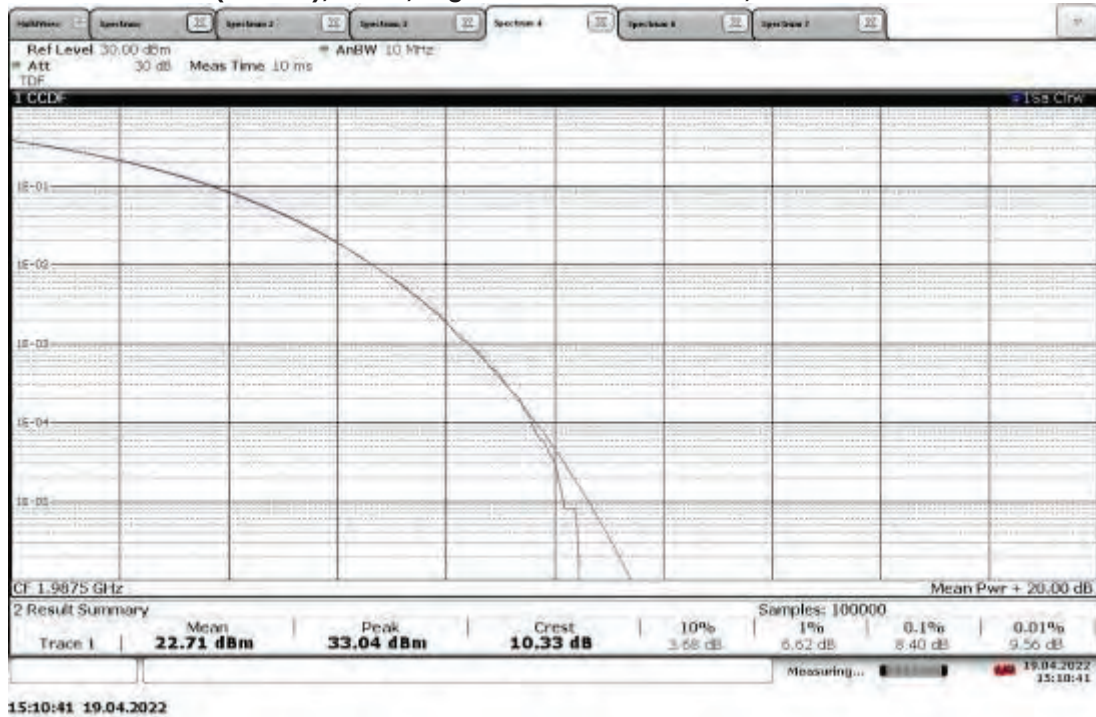
TM3.1a - 256QAM_5MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz, PAPR = 10.61 dB



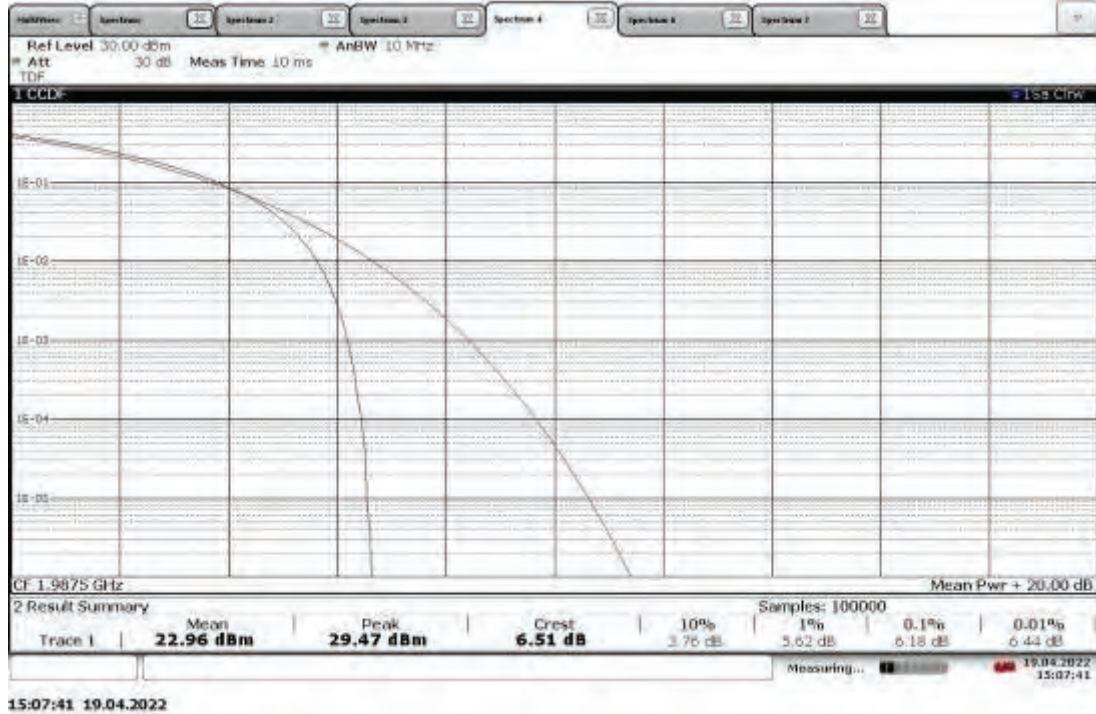
TM3.1a - 256QAM_5MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz, PAPR = 6.86 dB

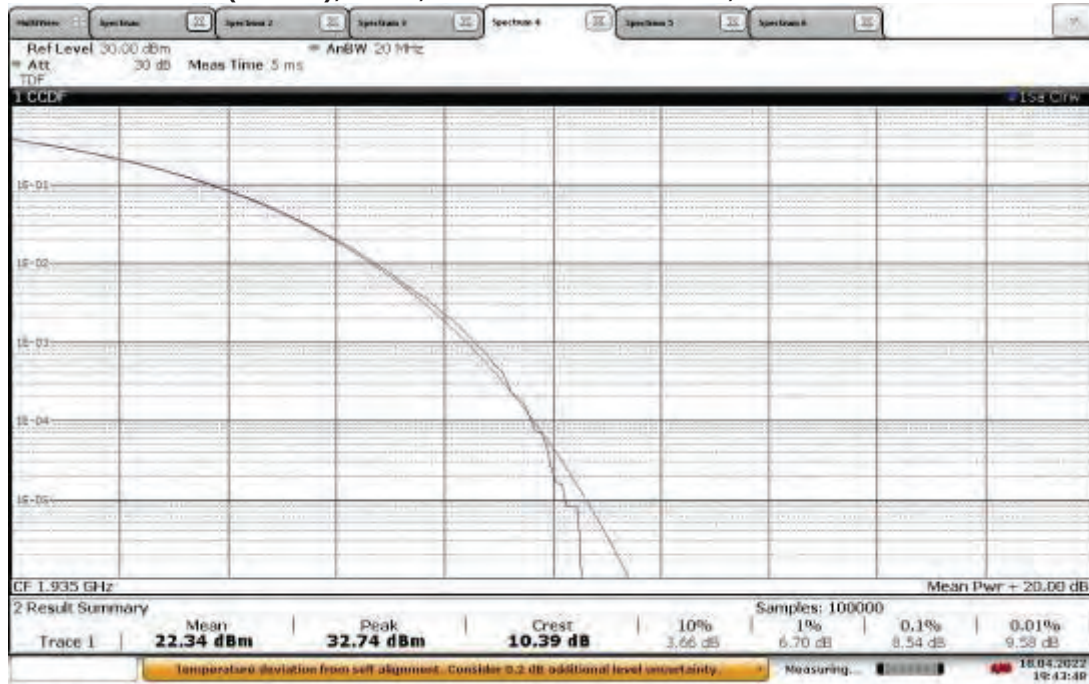


TM3.1a - 256QAM_5MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel 1987.5 MHz, PAPR = 10.33 dB

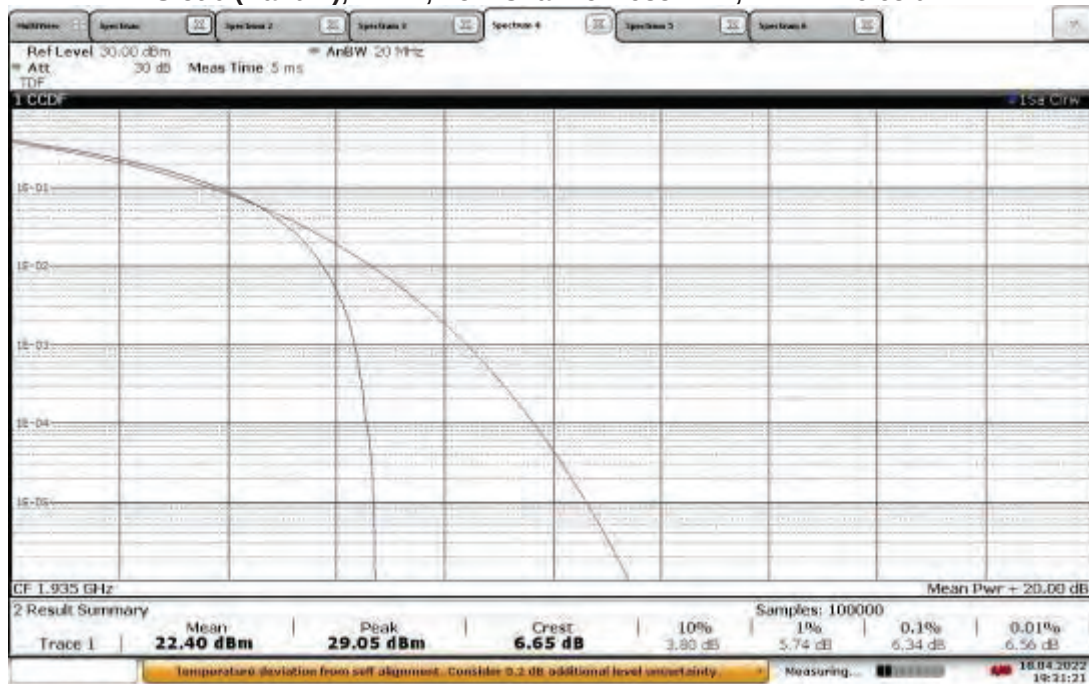


TM3.1a - 256QAM_5MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel 1987.5 MHz, PAPR = 6.51 dB



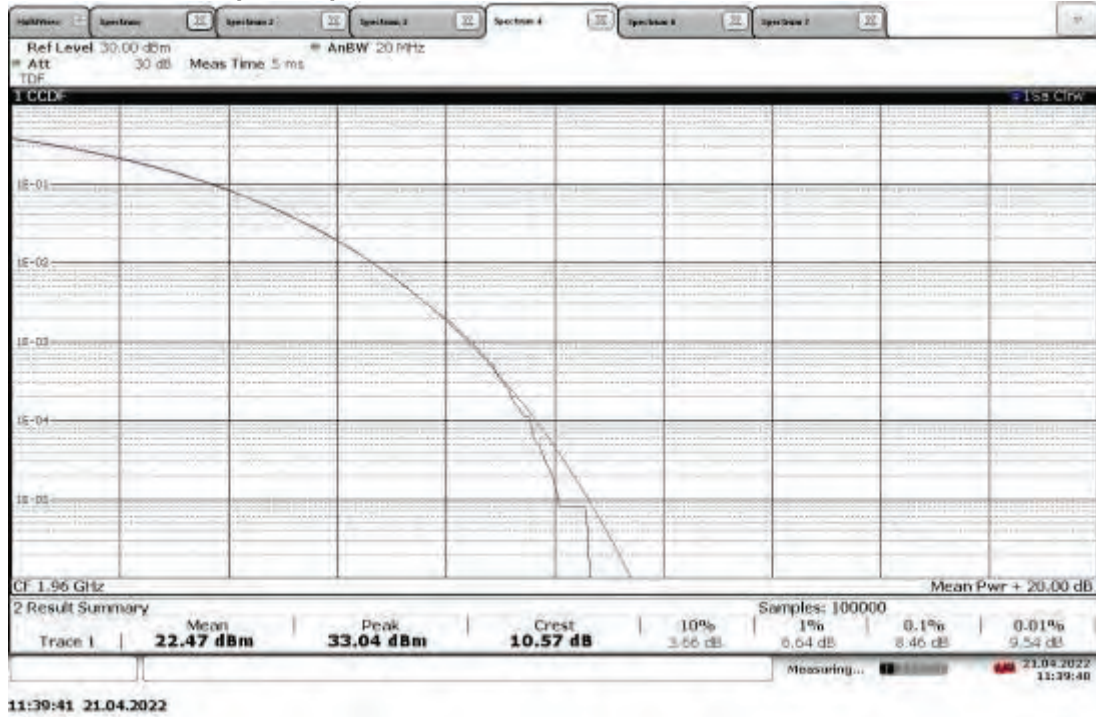
TM3.1a - 256QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel 1935 MHz, PAPR = 10.39 dB

19:43:48 18.04.2022

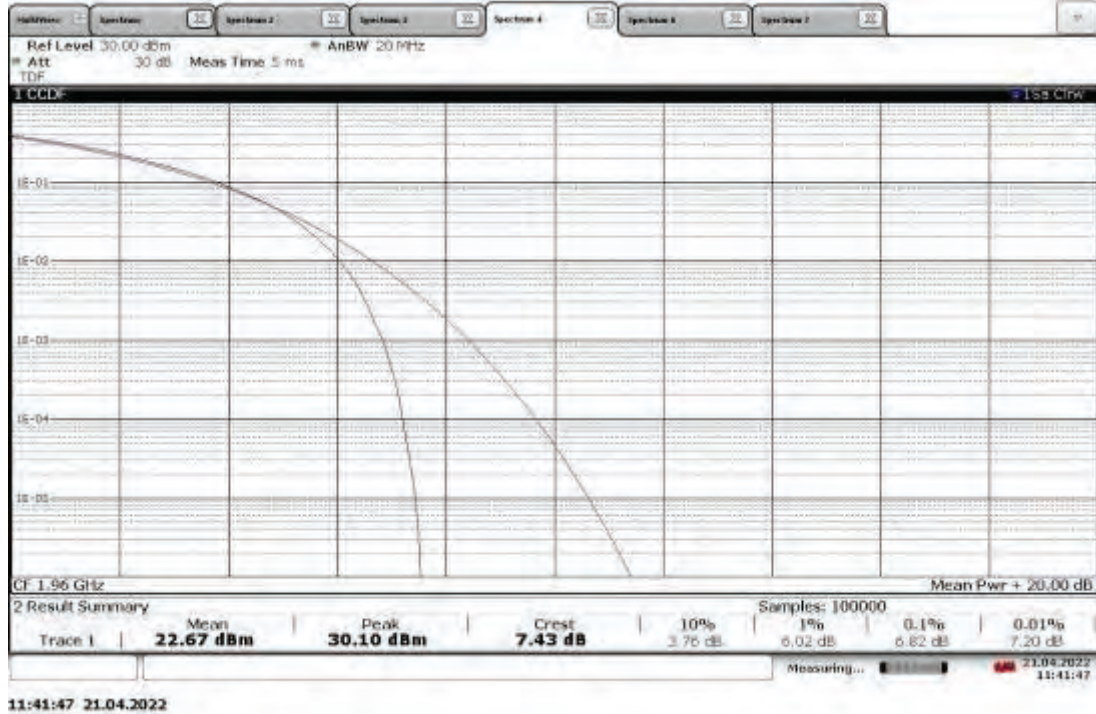
TM3.1a - 256QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel 1935 MHz, PAPR = 6.65 dB

19:31:22 18.04.2022

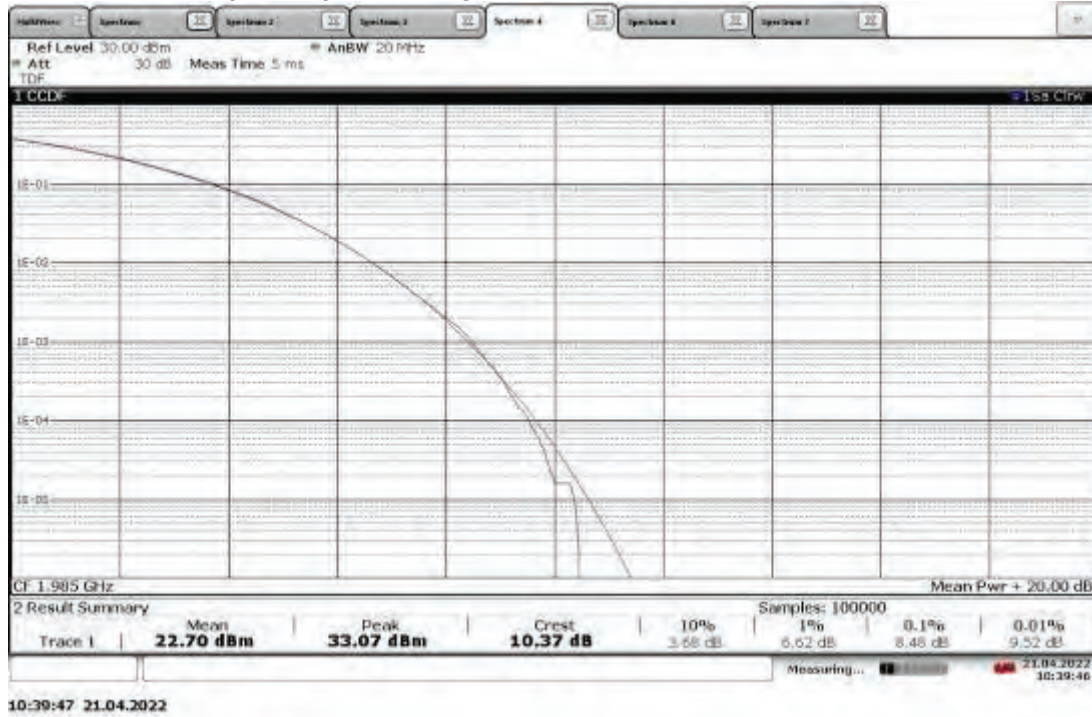
TM3.1a - 256QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz, PAPR = 10.57 dB



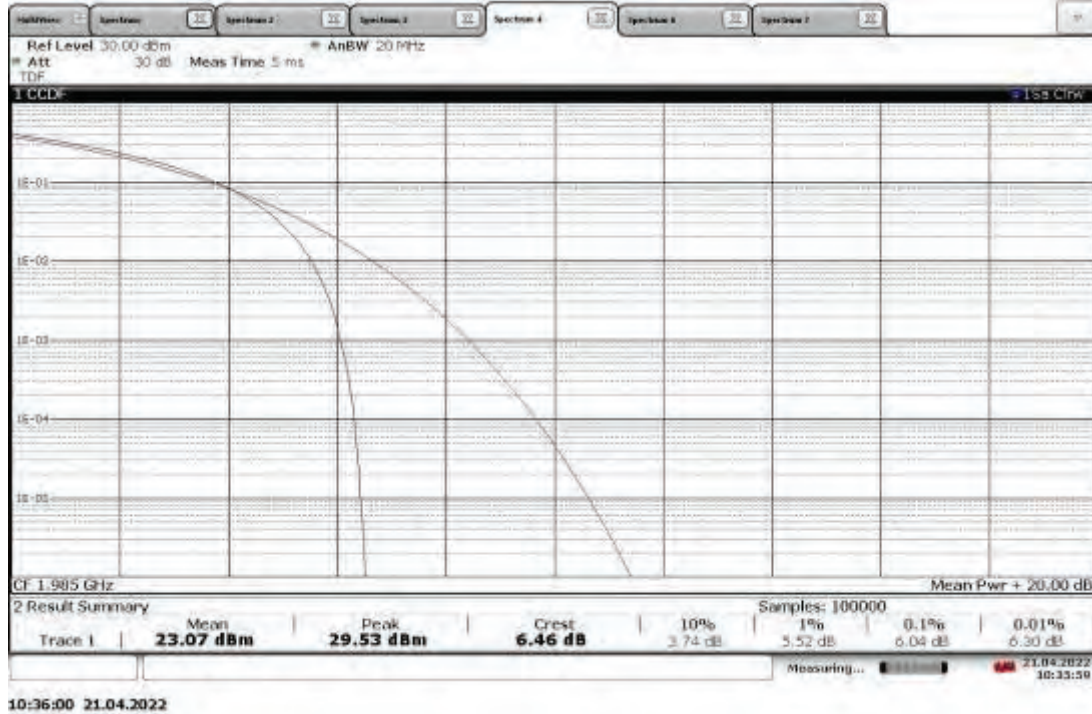
TM3.1a - 256QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz, PAPR = 7.43 dB



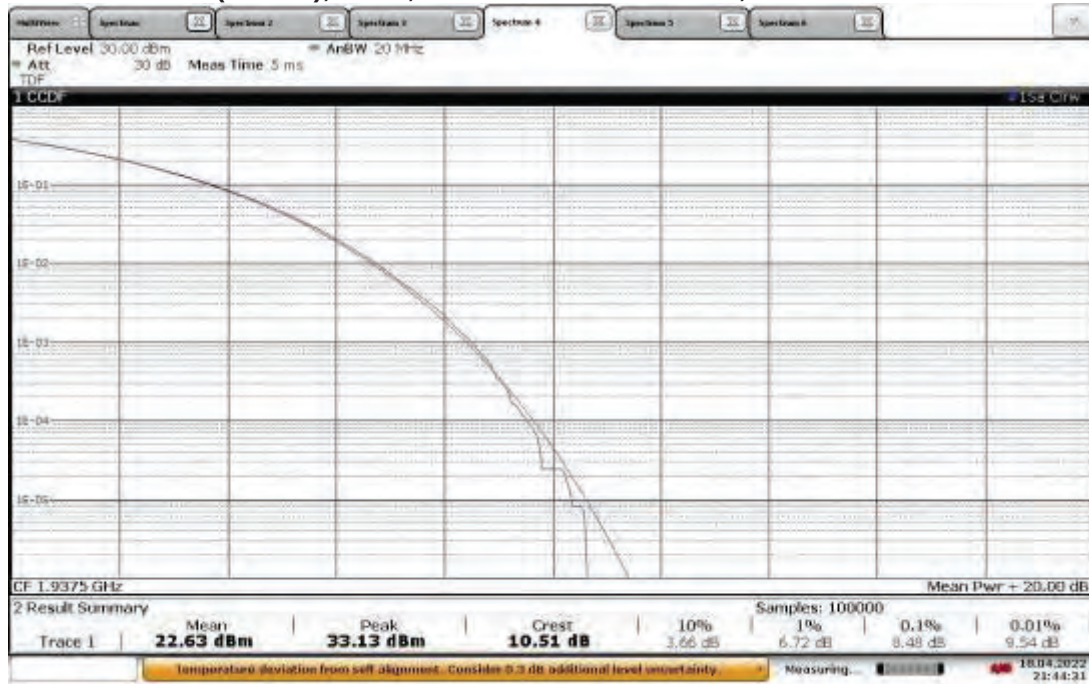
TM3.1a - 256QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel 1985 MHz, PAPR = 10.37 dB



TM3.1a - 256QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel 1987 MHz, PAPR = 6.46 dB

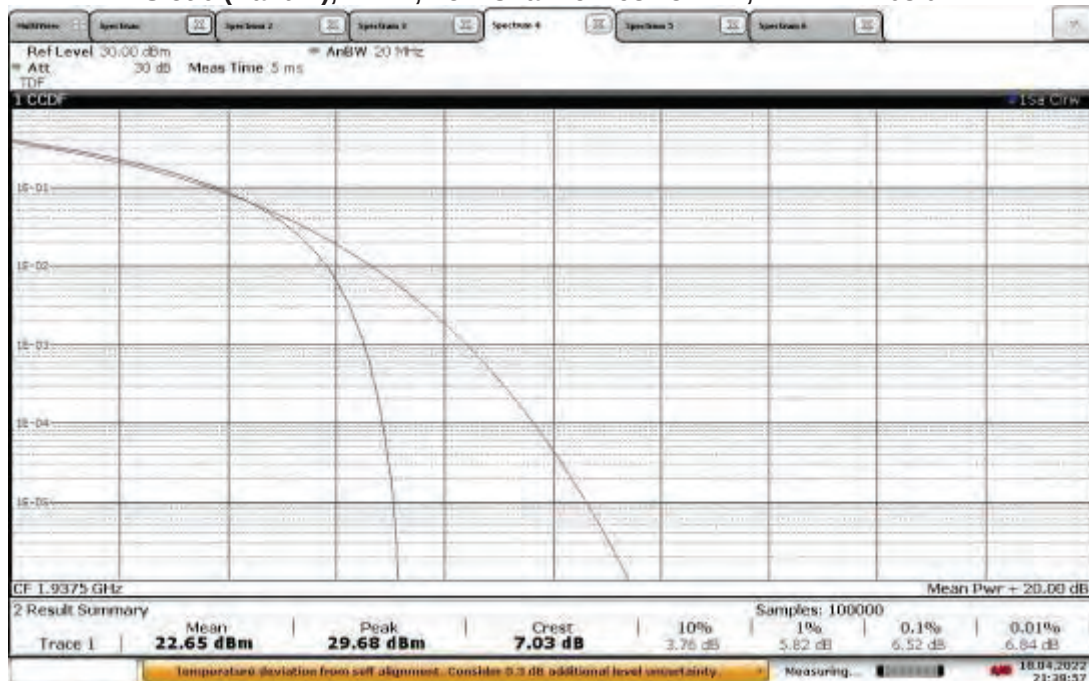


TM3.1a - 256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel 1937.5 MHz, PAPR = 10.51 dB



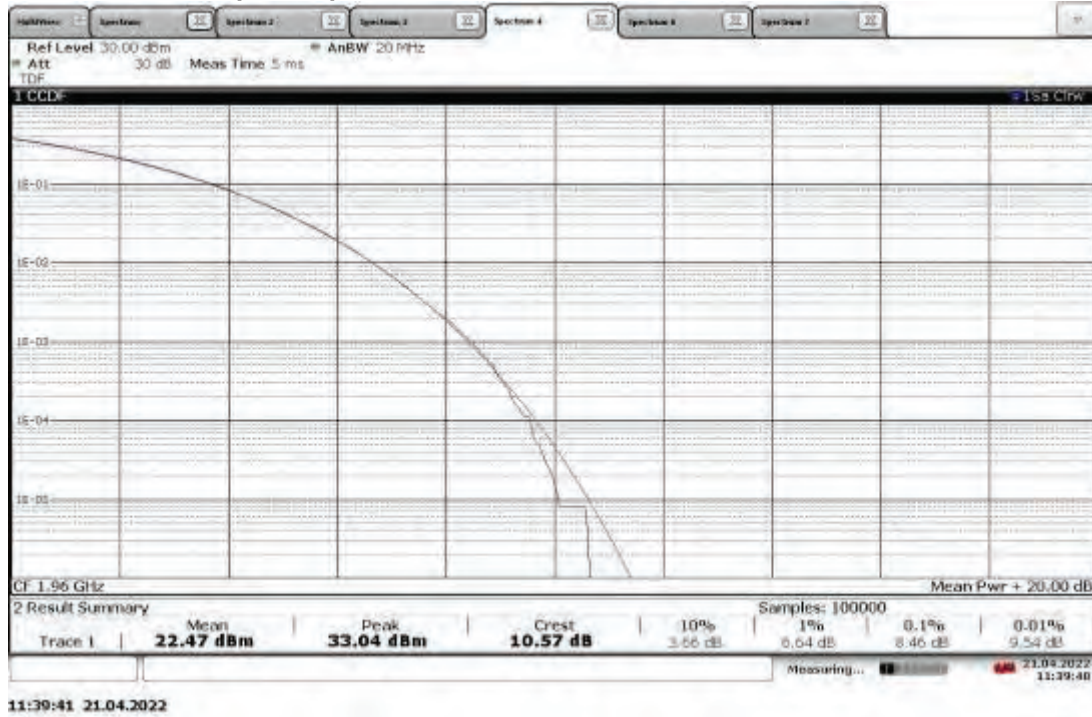
21:44:31 18.04.2022

TM3.1a - 256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel 1937.5 MHz, PAPR = 7.03 dB

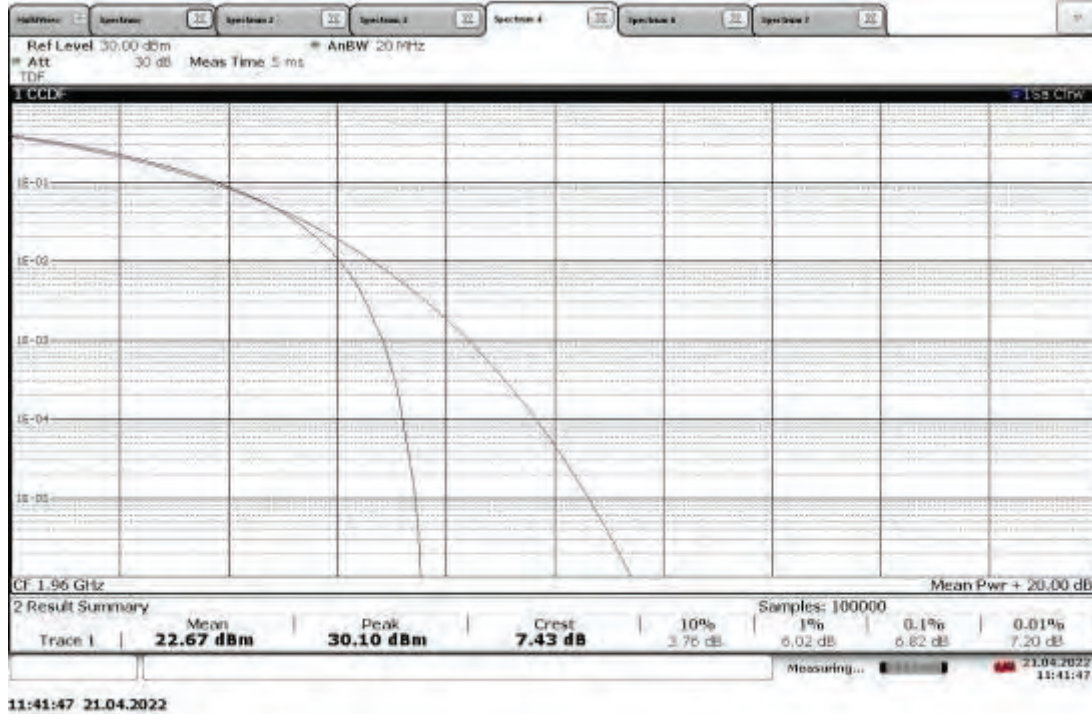


21:48:57 18.04.2022

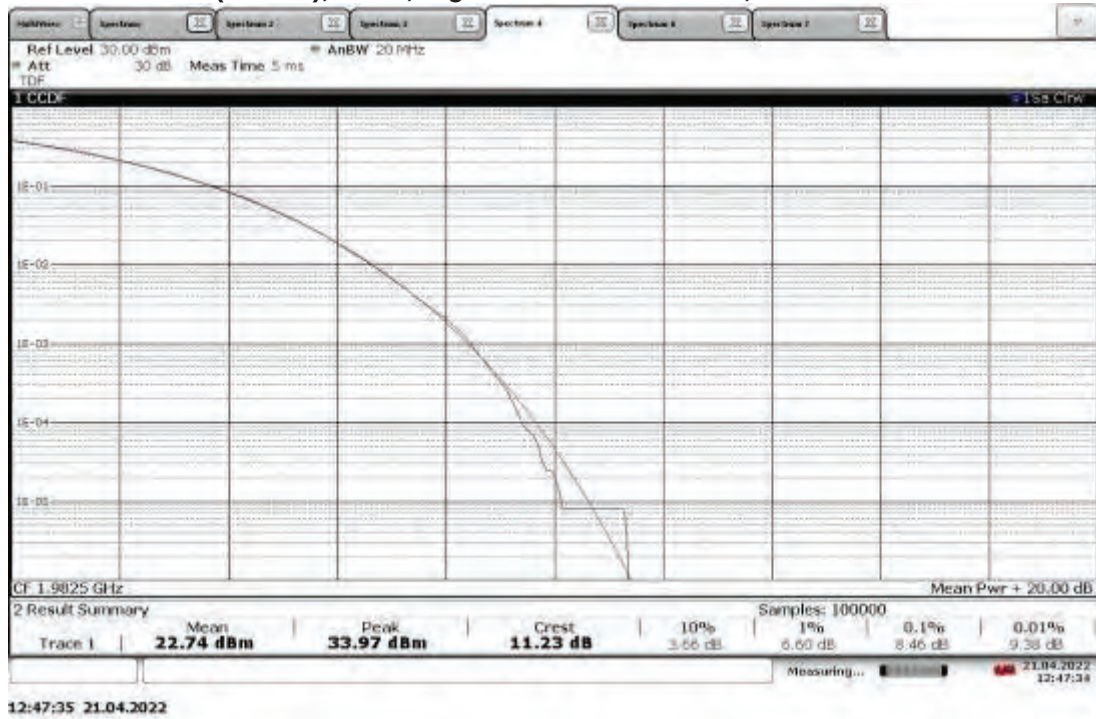
TM3.1a - 256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz, PAPR = 10.57 dB



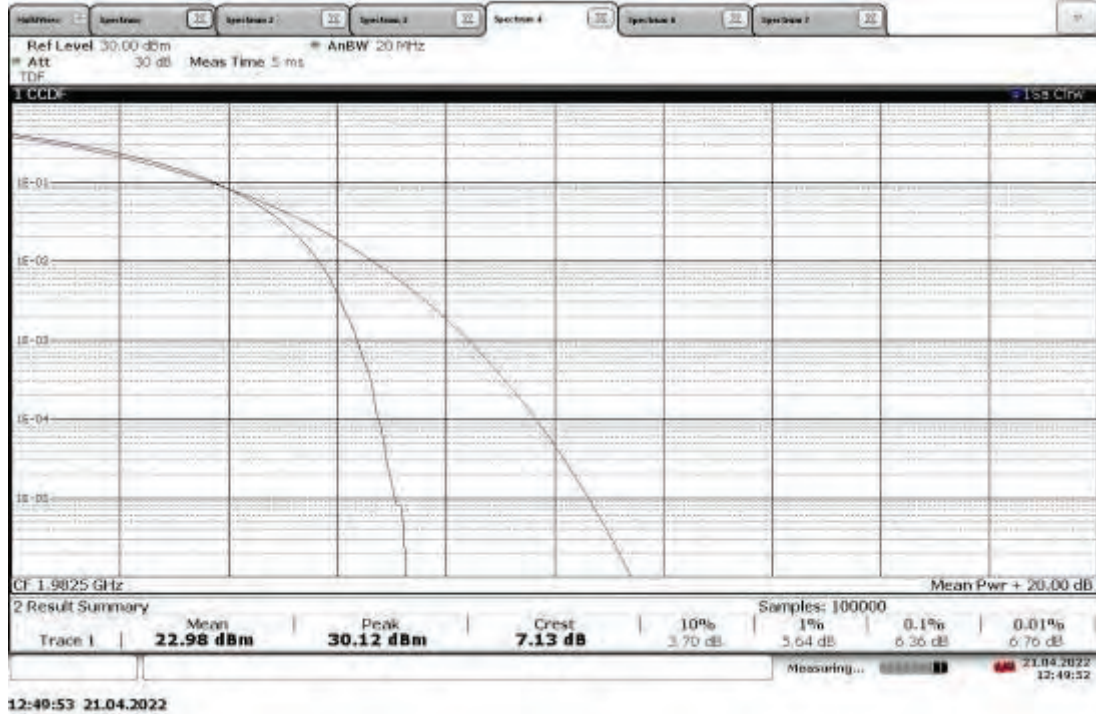
TM3.1a - 256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz, PAPR = 7.43 dB



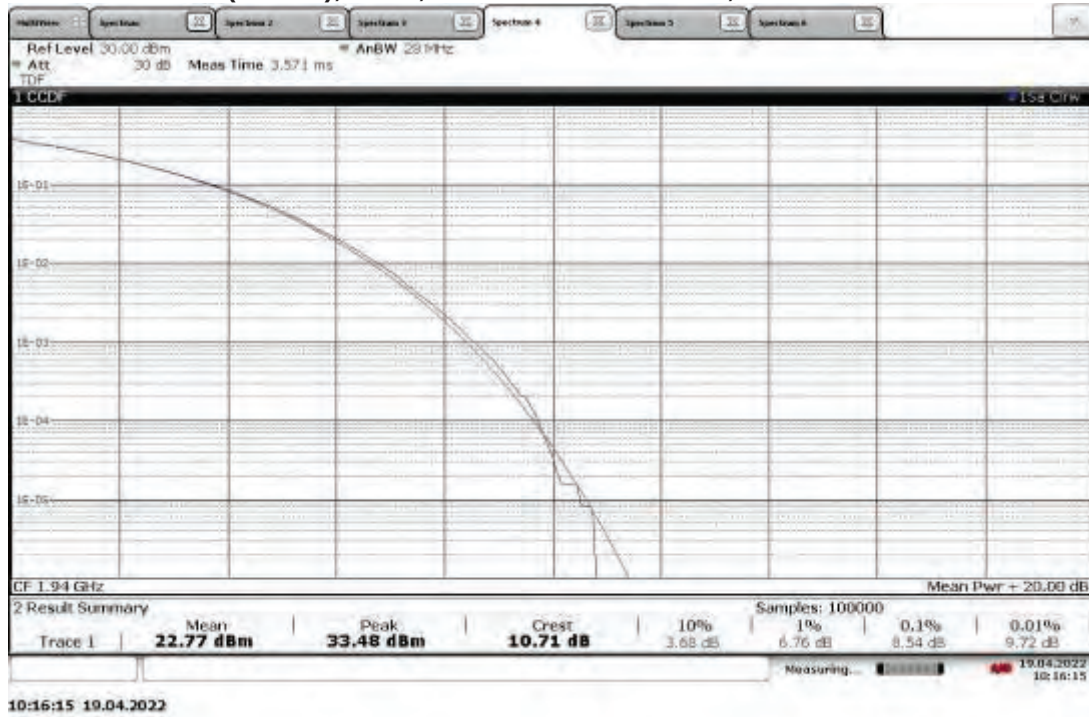
TM3.1a - 256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel 1982.5 MHz, PAPR = 11.23 dB



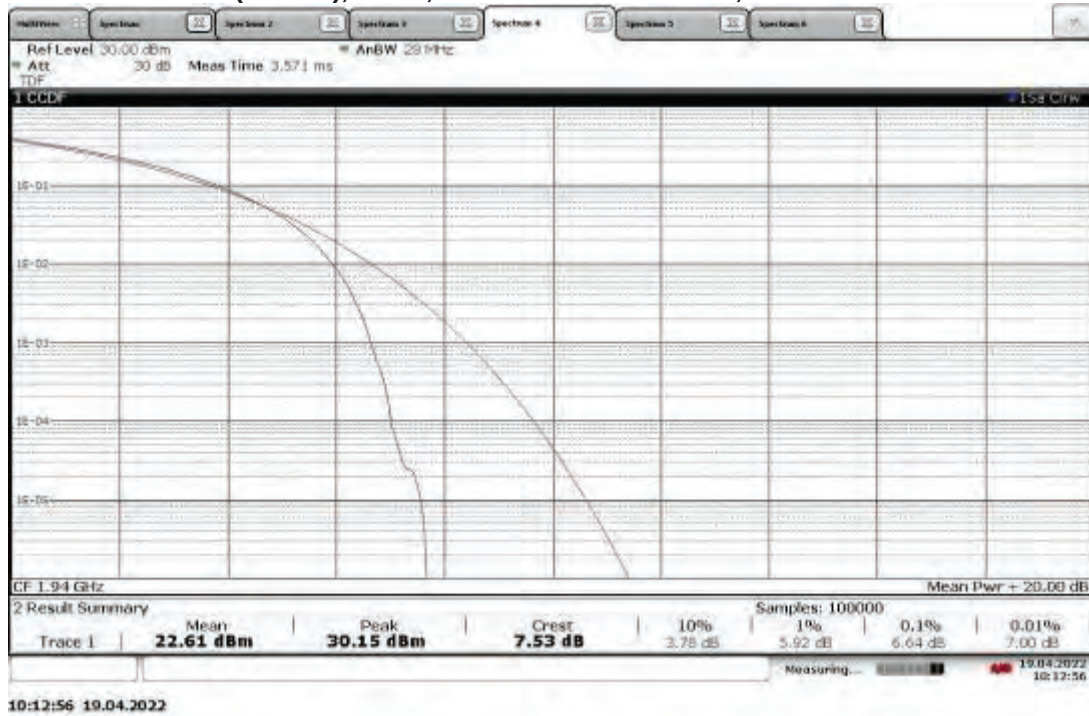
TM3.1a - 256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel 1982.5 MHz, PAPR = 7.13 dB



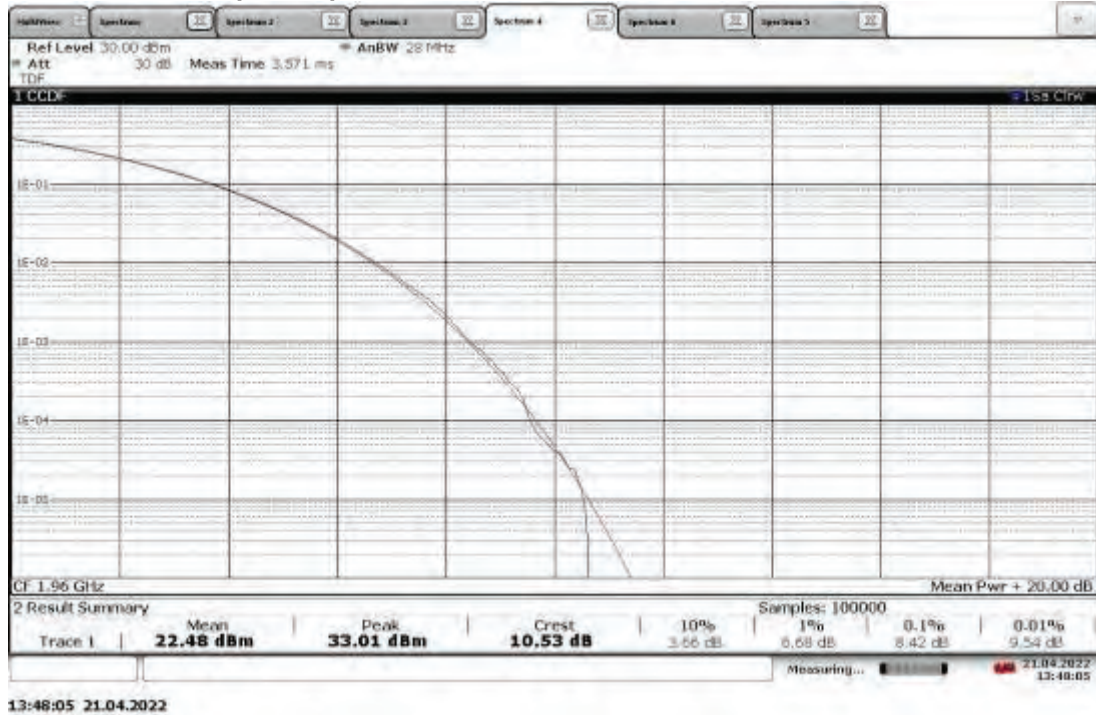
TM3.1a - 256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel 1940 MHz, PAPR = 10.71 dB



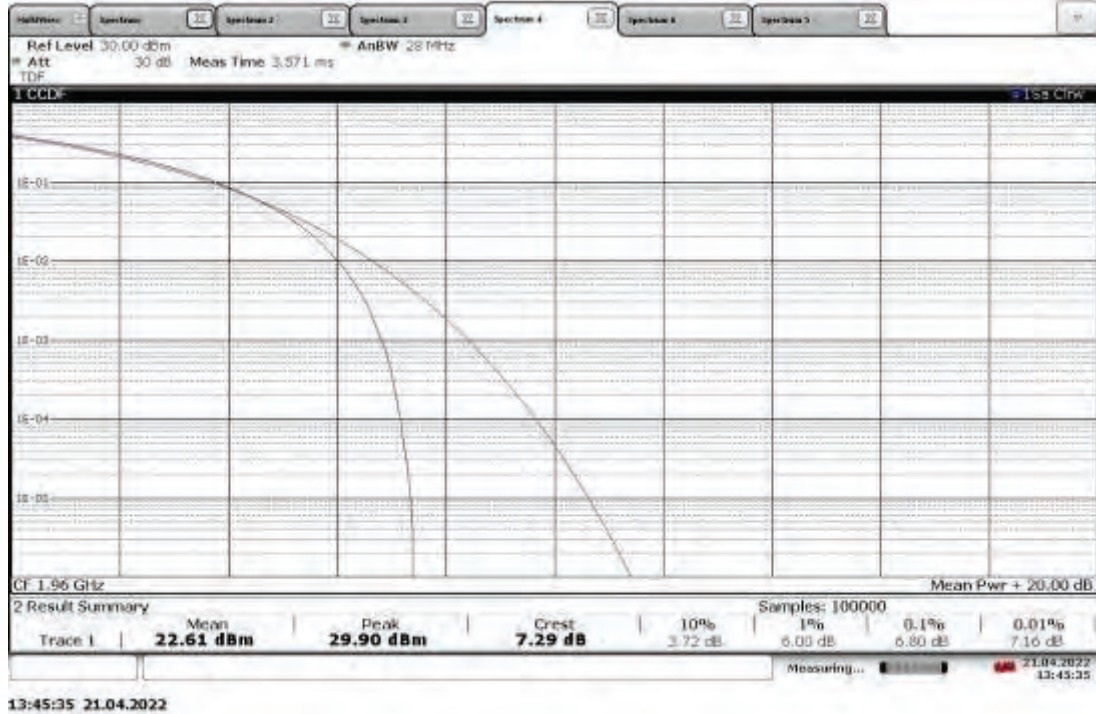
TM3.1a - 256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel 1940 MHz, PAPR = 7.53 dB



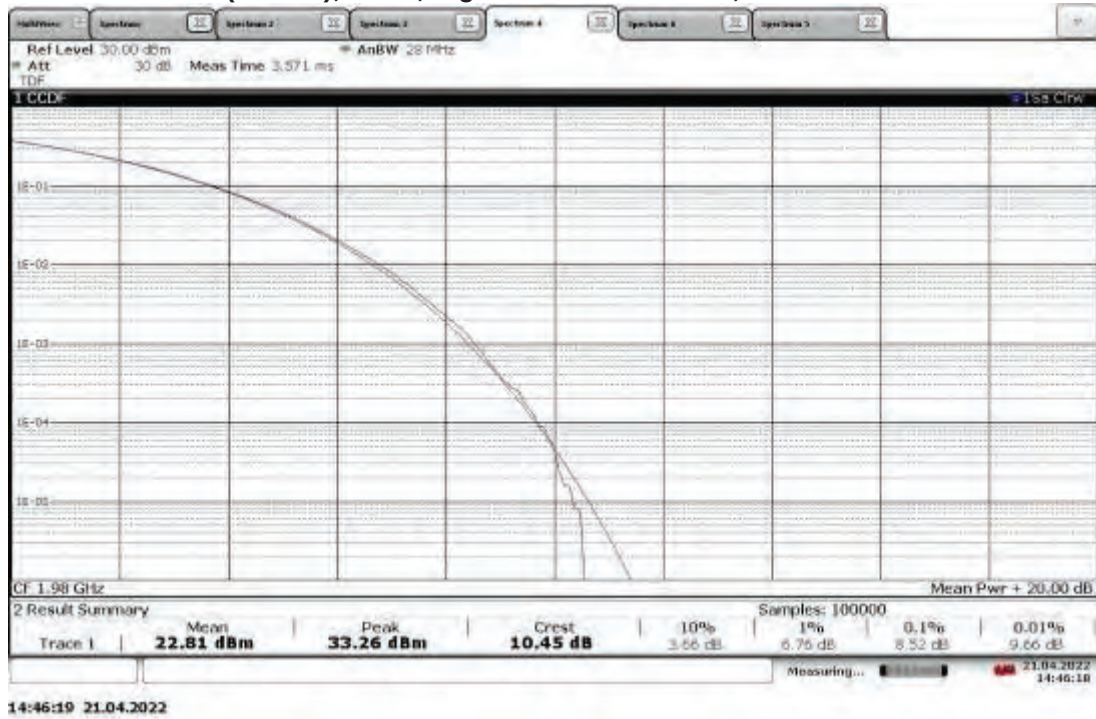
TM3.1a - 256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz, PAPR = 10.53 dB



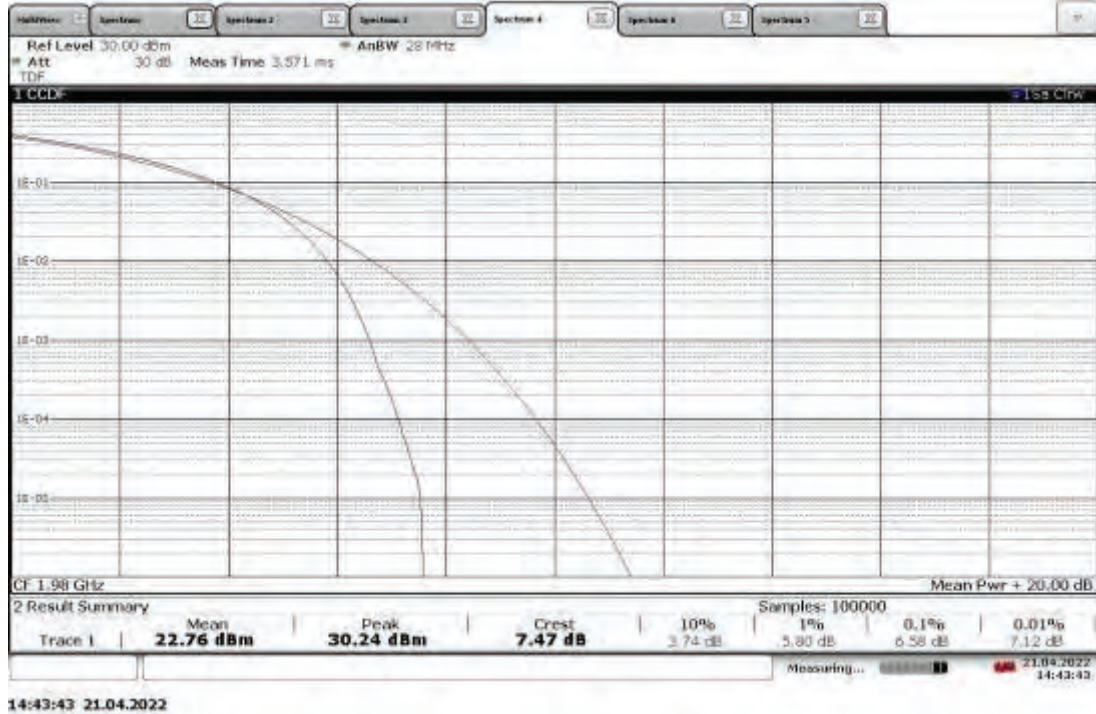
TM3.1a - 256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz, PAPR = 7.29 dB



TM3.1a - 256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel 1980 MHz, PAPR = 10.45 dB



TM3.1a - 256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel 1980 MHz, PAPR = 7.47 dB



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

Product Standard: FCC Part 24
Input Voltage: 48 VDC (POE)

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

Test Date: 04/18/2022, 04/19/2022, 04/21/2022,
05/12/2022

Limit Applied: See report section 7.3

Ambient Temperature: 25, 25, 24, 25 °C

Relative Humidity: 18, 34, 23, 46 %

Atmospheric Pressure: 1015, 988, 1024, 1017 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 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
DAV005'	Weather Station	Davis	6250	MS191218083	02/11/2022	02/11/2023
ROS005-1'	Signal and Spectrum Analyzer	Rohde and Shwartz	FSW43	100646	11/02/2021	11/02/2022
CEN001'	DC-40GHz attenuator 20dB	Centric RF	C411-20	CEN001	01/26/2022	01/26/2023
CBLHF2012-2M-2'	2m 9kHz-40GHz Coaxial Cable - SET2	Huber & Suhner	SF102	252675002	02/10/2023	02/10/2023

Software Utilized:

Name	Manufacturer	Version
None	--	--

8.3 Results:

The sample tested was found to Comply.

FCC Part §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.

FCC Part §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 2), Bandwidth: 5 MHz, Modulation: TM1.1-QPSK (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1932.50	ANT0	4.493	4.98
		ANT1	4.512	5.00
Mid	1960.00	ANT0	4.496	4.97
		ANT1	4.522	5.21
High	1987.50	ANT0	4.495	5.01
		ANT1	4.527	5.19

Slot 0 (Band 2), Bandwidth: 10 MHz, Modulation: TM1.1-QPSK (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1935	ANT0	8.963	9.82
		ANT1	8.989	9.98
Mid	1960	ANT0	8.986	9.83
		ANT1	8.970	9.82
High	1985	ANT0	8.971	9.79
		ANT1	8.999	9.90

Slot 0 (Band 2), Bandwidth: 15 MHz, Modulation: TM1.1-QPSK (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1937.50	ANT0	13.456	14.61
		ANT1	13.500	14.81
Mid	1960.00	ANT0	13.457	14.74
		ANT1	13.511	14.98
High	1982.50	ANT0	13.461	14.74
		ANT1	13.536	14.79

Slot 0 (Band 2), Bandwidth: 20 MHz, Modulation: TM1.1-QPSK (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1940	ANT0	17.883	19.40
		ANT1	17.904	19.45
Mid	1960	ANT0	17.885	19.42
		ANT1	17.925	19.82
High	1980	ANT0	17.902	19.28
		ANT1	17.958	19.41

Slot 0 (Band 2), Bandwidth: 5 MHz, Modulation: TM3.2-16QAM (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1932.50	ANT0	4.490	4.96
		ANT1	4.511	4.96
Mid	1960.00	ANT0	4.491	4.96
		ANT1	4.510	4.93
High	1987.50	ANT0	4.530	4.95
		ANT1	4.529	5.09

Slot 0 (Band 2), Bandwidth: 10 MHz, Modulation: TM3.2-16QAM (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1935	ANT0	8.967	9.62
		ANT1	8.976	9.78
Mid	1960	ANT0	8.977	9.66
		ANT1	8.984	9.82
High	1985	ANT0	8.976	9.75
		ANT1	8.991	9.81

Slot 0 (Band 2), Bandwidth: 15 MHz, Modulation: TM3.2-16QAM (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1937.50	ANT0	13.477	14.59
		ANT1	13.482	14.51
Mid	1960.00	ANT0	13.473	14.63
		ANT1	13.491	14.59
High	1982.50	ANT0	13.483	14.64
		ANT1	13.515	14.60

Slot 0 (Band 2), Bandwidth: 20 MHz, Modulation: TM3.2-16QAM (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1940	ANT0	17.912	19.36
		ANT1	17.925	19.24
Mid	1960	ANT0	17.944	19.33
		ANT1	17.922	19.30
High	1980	ANT0	17.931	19.24
		ANT1	17.974	19.56

Slot 0 (Band 2), Bandwidth: 5 MHz, Modulation: TM3.1-64QAM (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1932.50	ANT0	4.531	5.01
		ANT1	4.554	4.99
Mid	1960.00	ANT0	4.534	5.00
		ANT1	4.548	5.03
High	1987.50	ANT0	4.530	5.07
		ANT1	4.529	4.96

Slot 0 (Band 2), Bandwidth: 10 MHz, Modulation: TM3.1-64QAM (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1935	ANT0	8.975	9.82
		ANT1	8.995	9.81
Mid	1960	ANT0	8.978	9.84
		ANT1	8.997	9.85
High	1985	ANT0	8.979	9.77
		ANT1	8.008	9.88

Slot 0 (Band 2), Bandwidth: 15 MHz, Modulation: TM3.1-64QAM (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1937.50	ANT0	13.466	14.66
		ANT1	13.495	14.69
Mid	1960.00	ANT0	13.470	14.60
		ANT1	13.506	14.78
High	1982.50	ANT0	13.482	14.67
		ANT1	13.550	14.84

Slot 0 (Band 2), Bandwidth: 20 MHz, Modulation: TM3.1-64QAM (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1940	ANT0	17.886	19.36
		ANT1	17.900	19.45
Mid	1960	ANT0	17.894	19.42
		ANT1	17.917	19.44
High	1980	ANT0	17.912	19.37
		ANT1	17.967	19.46

Slot 0 (Band 2), Bandwidth: 5 MHz, Modulation: TM3.1a-256QAM (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1932.50	ANT0	4.514	4.97
		ANT1	4.534	5.01
Mid	1960.00	ANT0	4.517	5.00
		ANT1	4.534	5.05
High	1987.50	ANT0	4.515	4.98
		ANT1	4.535	5.43

Slot 0 (Band 2), Bandwidth: 10 MHz, Modulation: TM3.1a-256QAM (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1935	ANT0	8.960	9.72
		ANT1	8.986	9.76
Mid	1960	ANT0	8.955	9.71
		ANT1	8.983	9.87
High	1985	ANT0	8.961	9.73
		ANT1	9.000	9.92

Slot 0 (Band 2), Bandwidth: 15 MHz, Modulation: TM3.1a-256QAM (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1937.50	ANT0	13.452	14.81
		ANT1	13.474	14.79
Mid	1960.00	ANT0	13.459	14.67
		ANT1	13.486	14.70
High	1982.50	ANT0	13.465	14.58
		ANT1	13.524	14.64

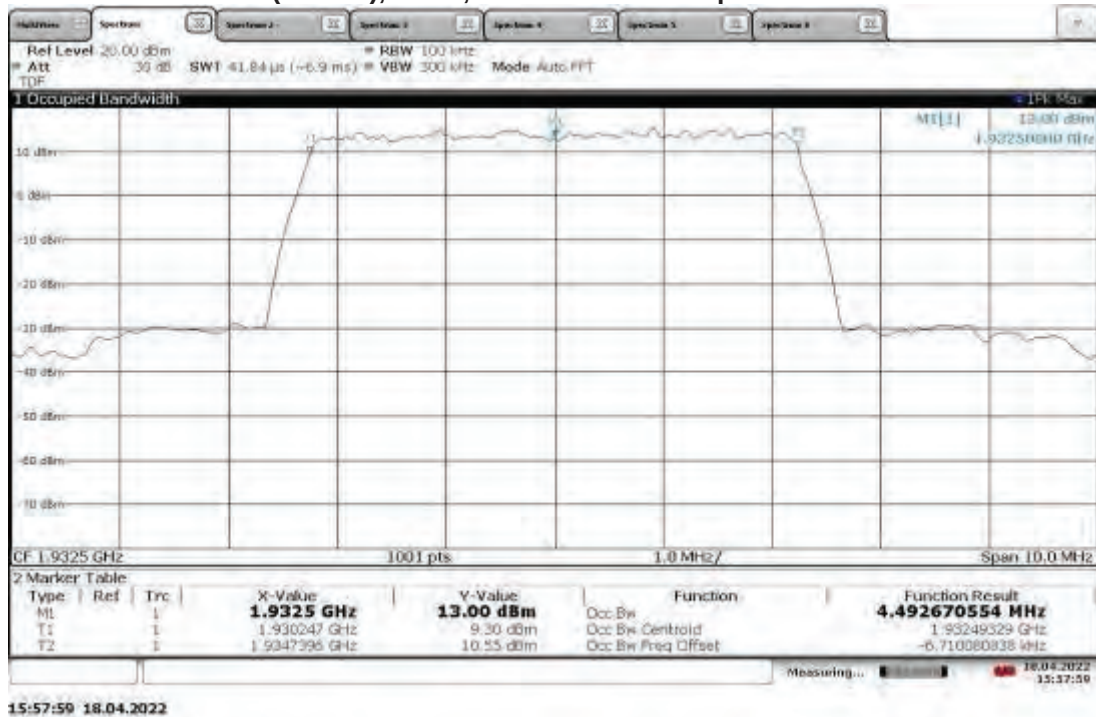
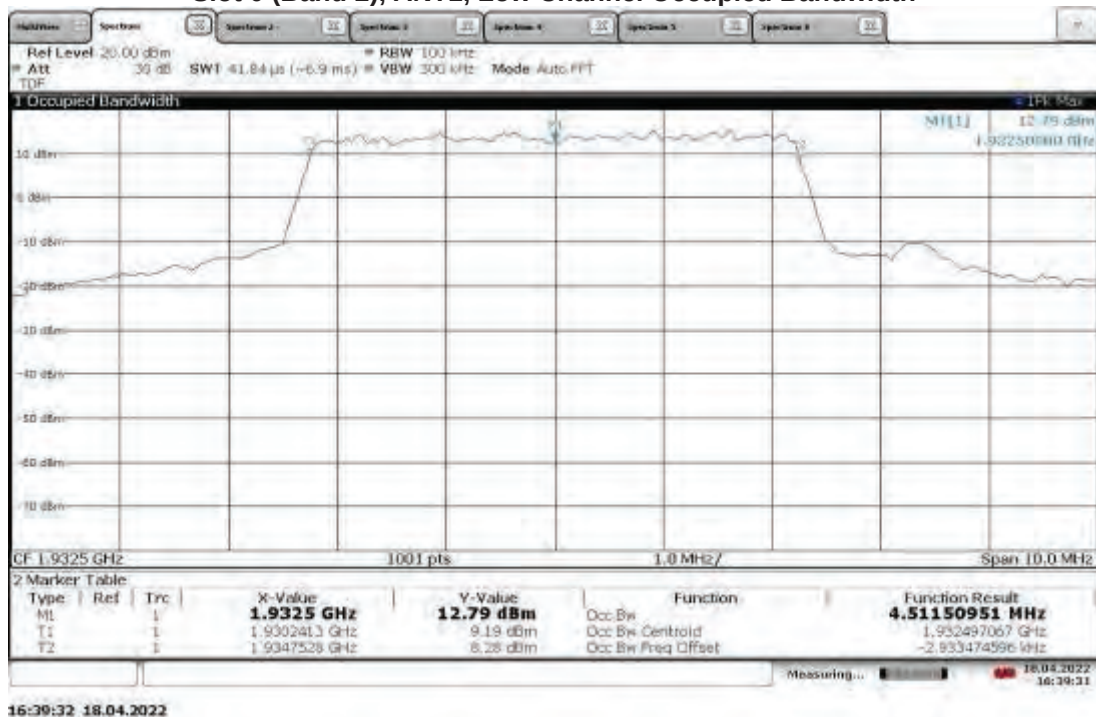
Slot 0 (Band 2), Bandwidth: 20 MHz, Modulation: TM3.1a-256QAM (4G LTE)

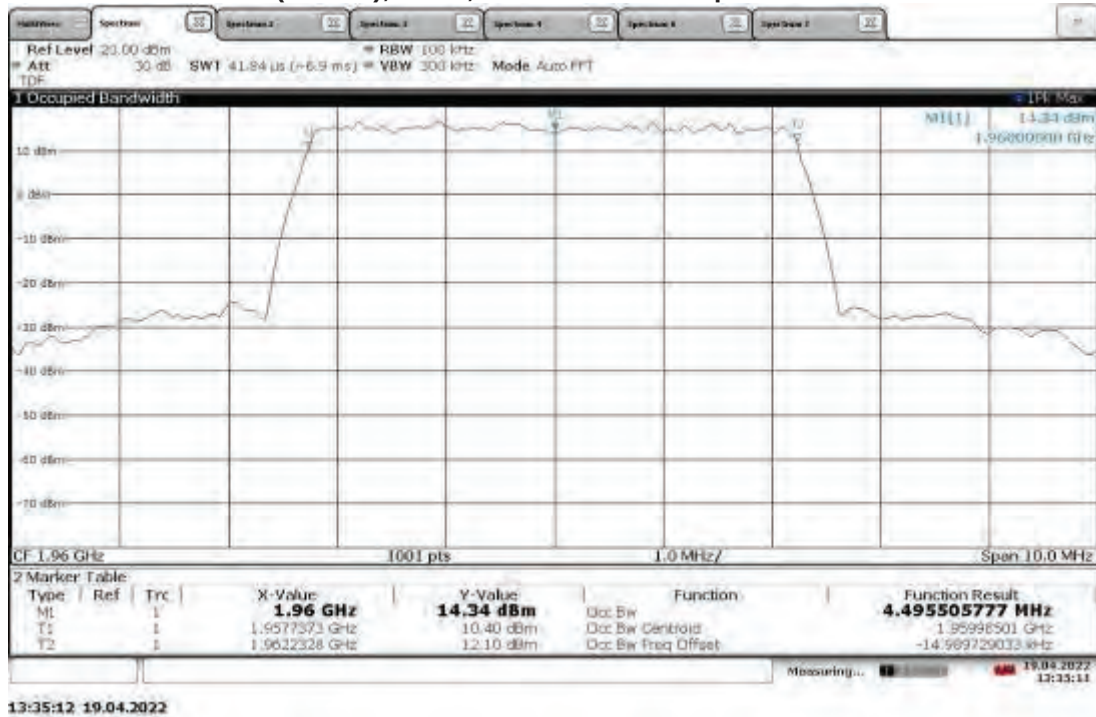
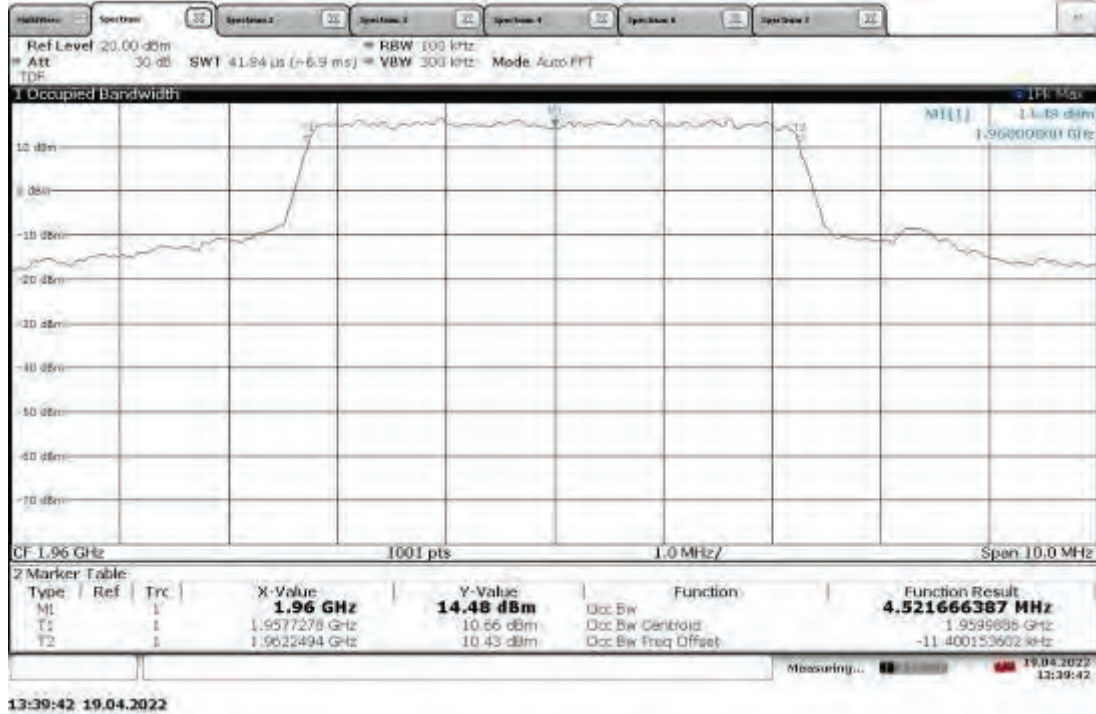
Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1940	ANT0	17.880	19.36
		ANT1	17.898	19.40
Mid	1960	ANT0	17.892	19.33
		ANT1	17.914	19.40
High	1980	ANT0	17.903	19.32
		ANT1	17.965	19.38

8.4 Setup Photograph:

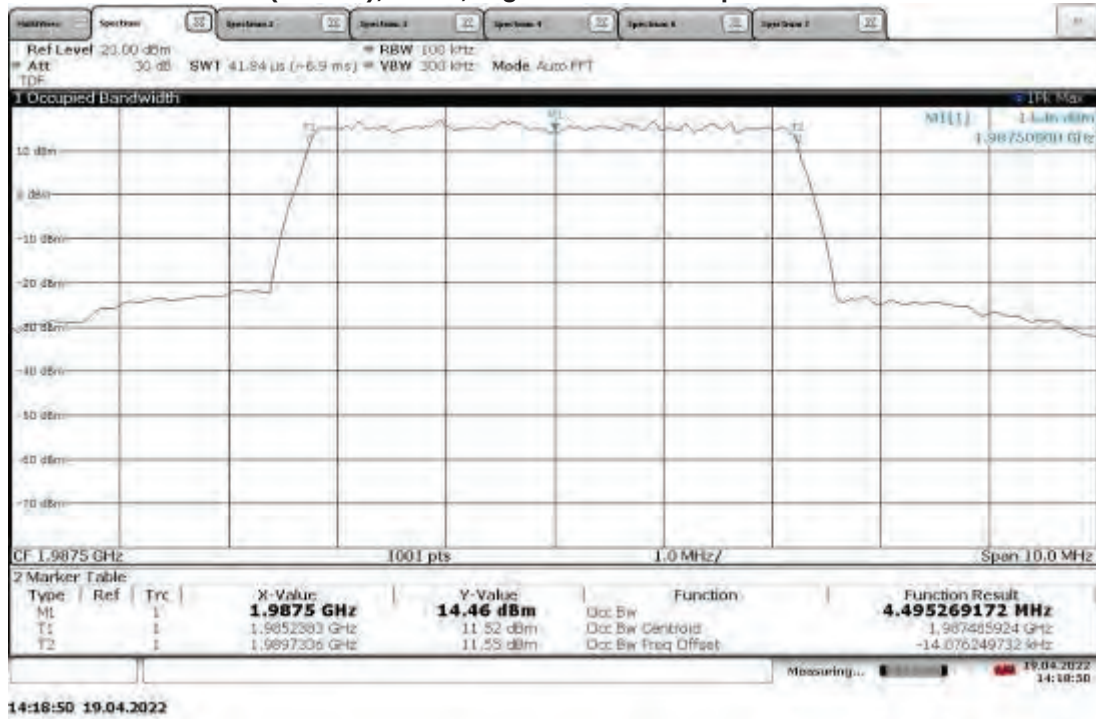
Confidential – Photos not included in this report

8.5 Plots/Data:

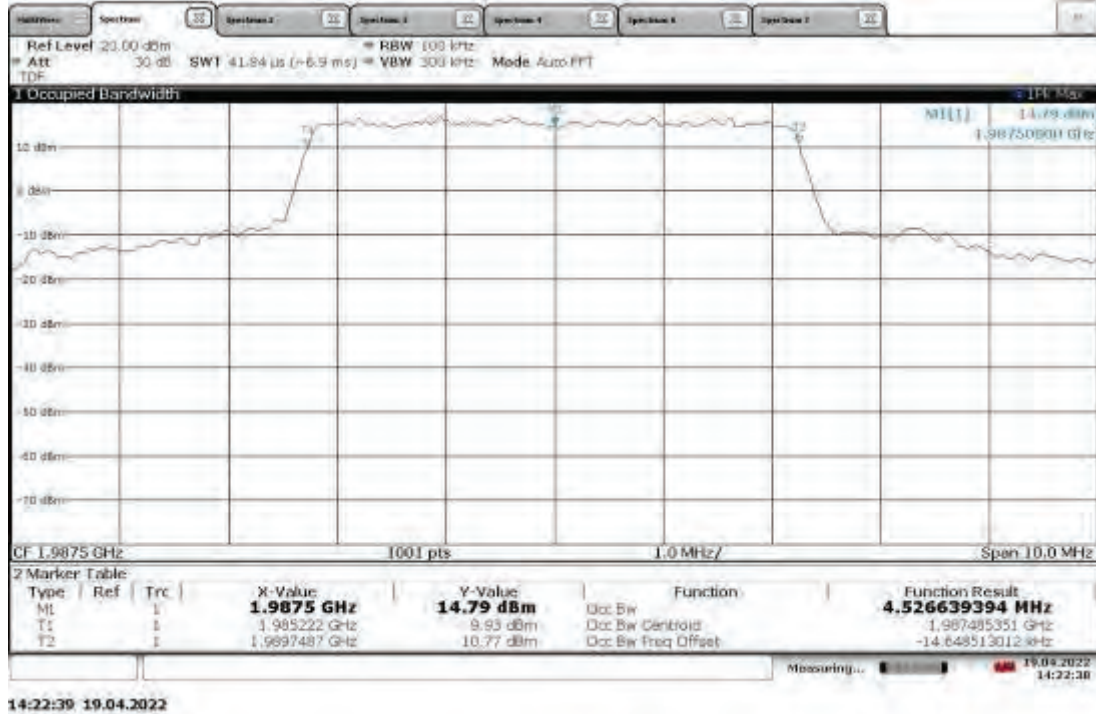
**TM1.1-QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel Occupied Bandwidth****TM1.1-QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel Occupied Bandwidth**

**TM1.1-QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel Occupied Bandwidth****TM1.1-QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel Occupied Bandwidth**

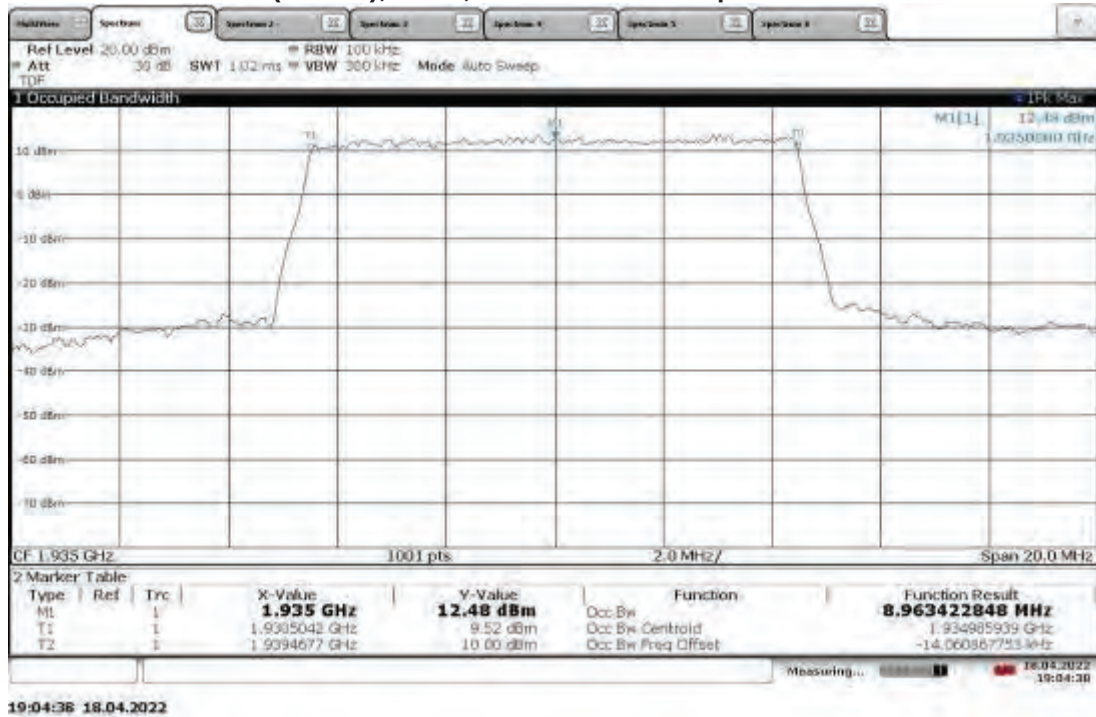
**TM1.1-QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel Occupied Bandwidth**



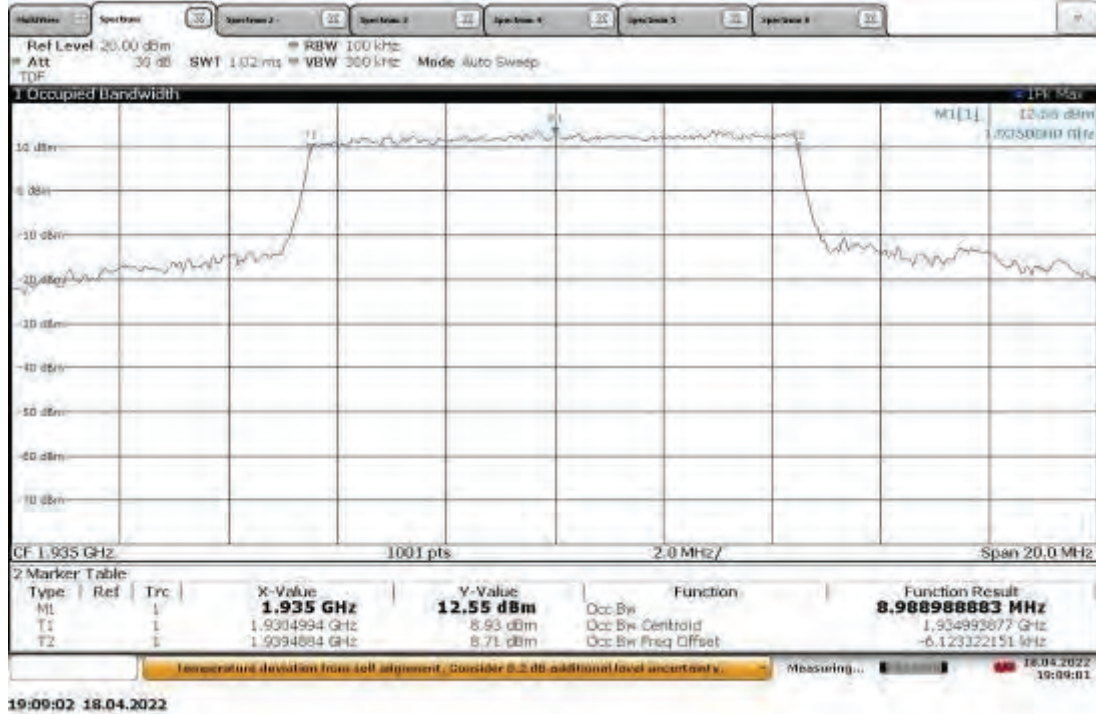
**TM1.1-QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel Occupied Bandwidth**

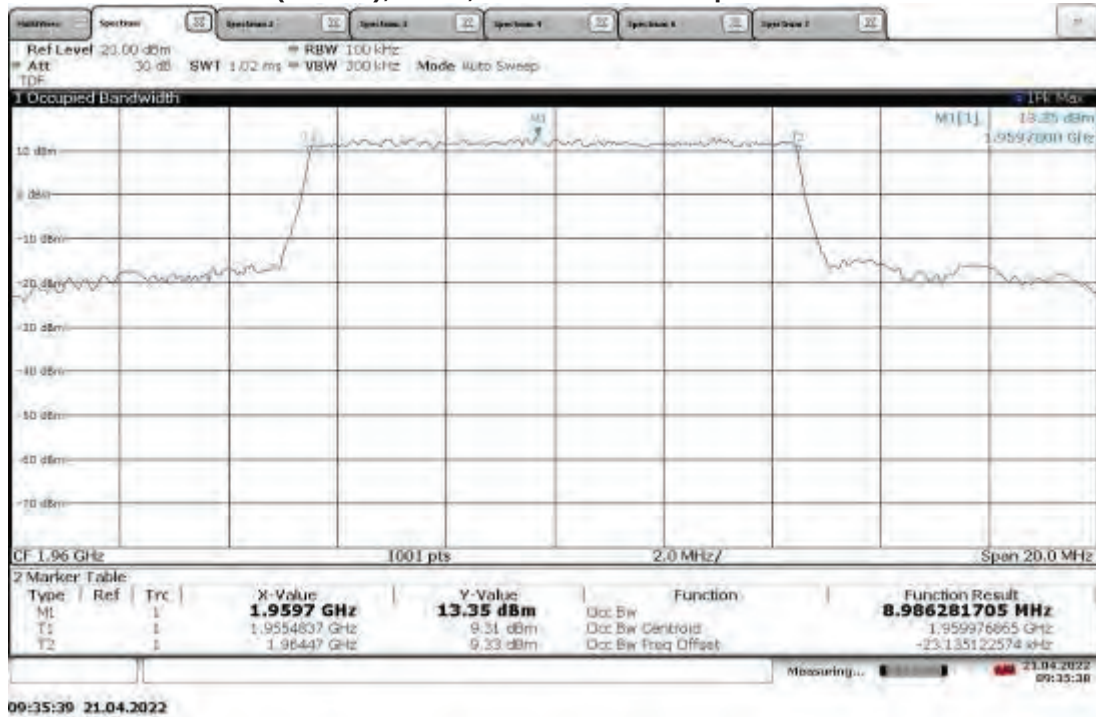
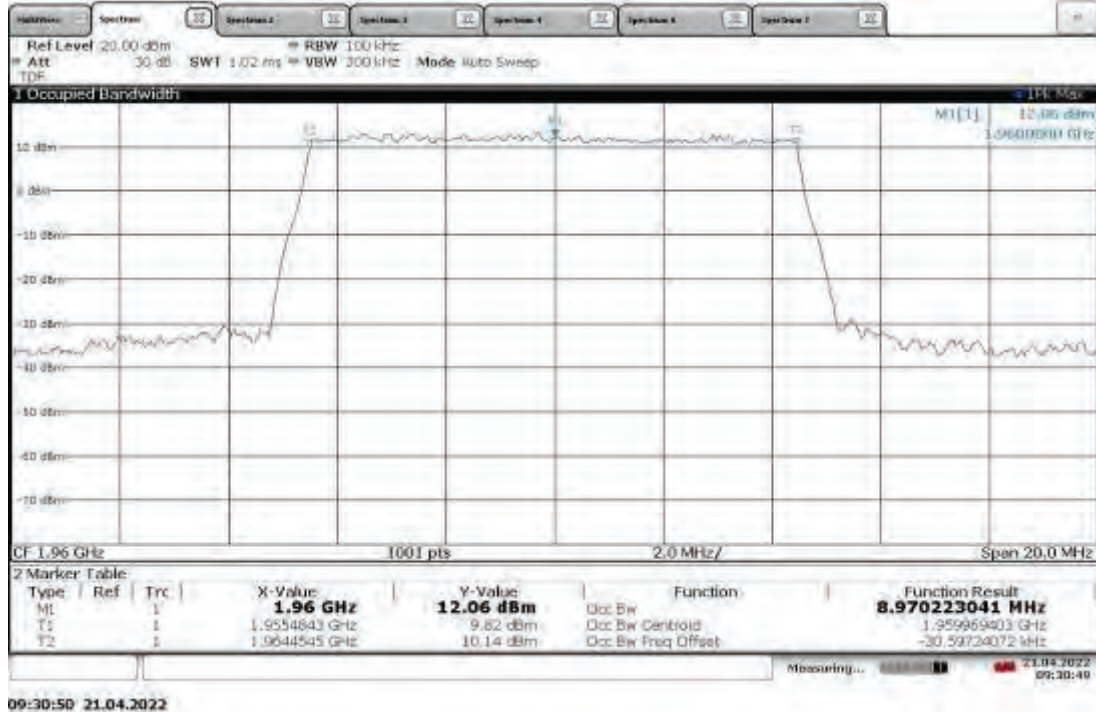


TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel Occupied Bandwidth

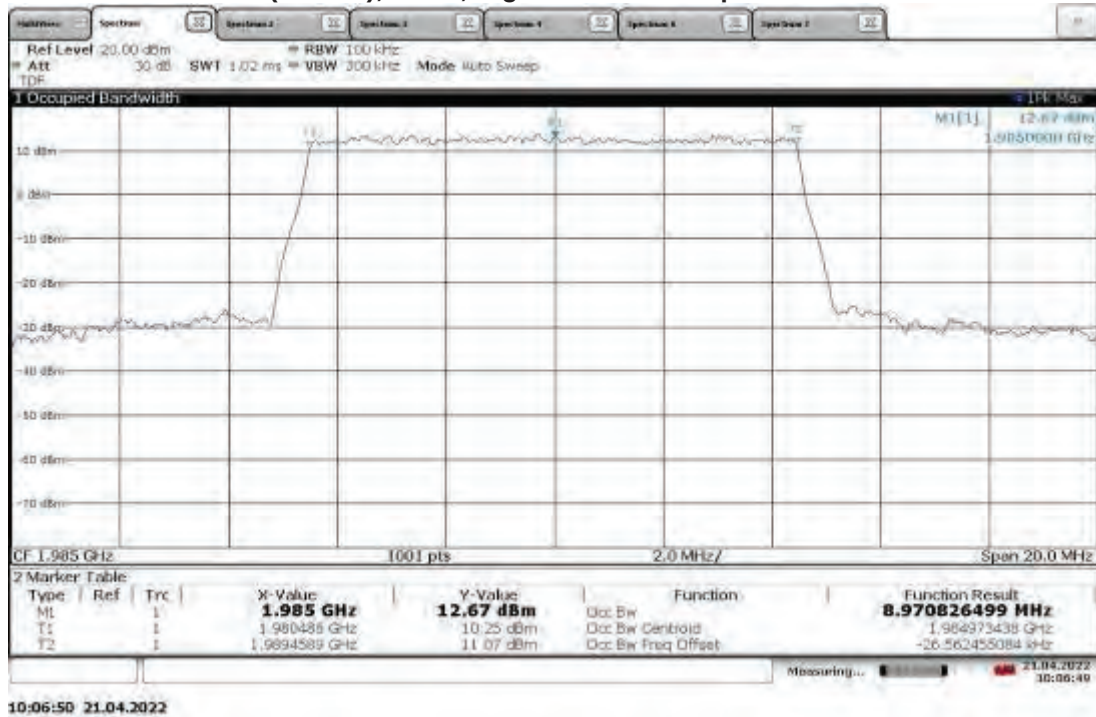


TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel Occupied Bandwidth

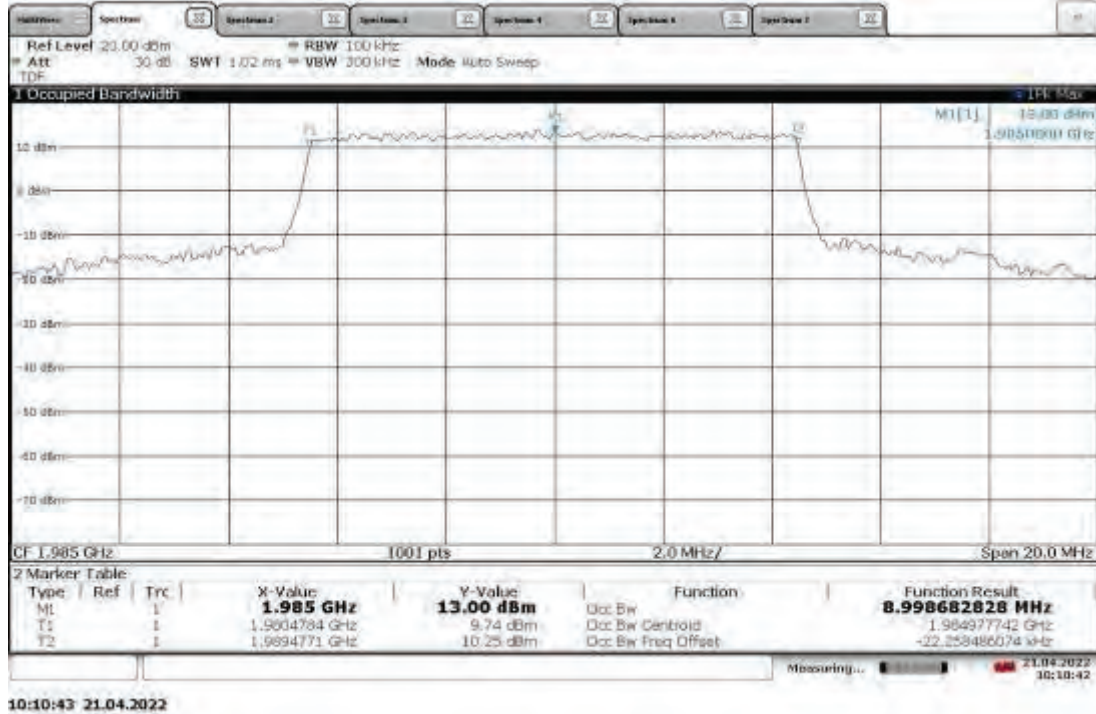


**TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel Occupied Bandwidth****TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel Occupied Bandwidth**

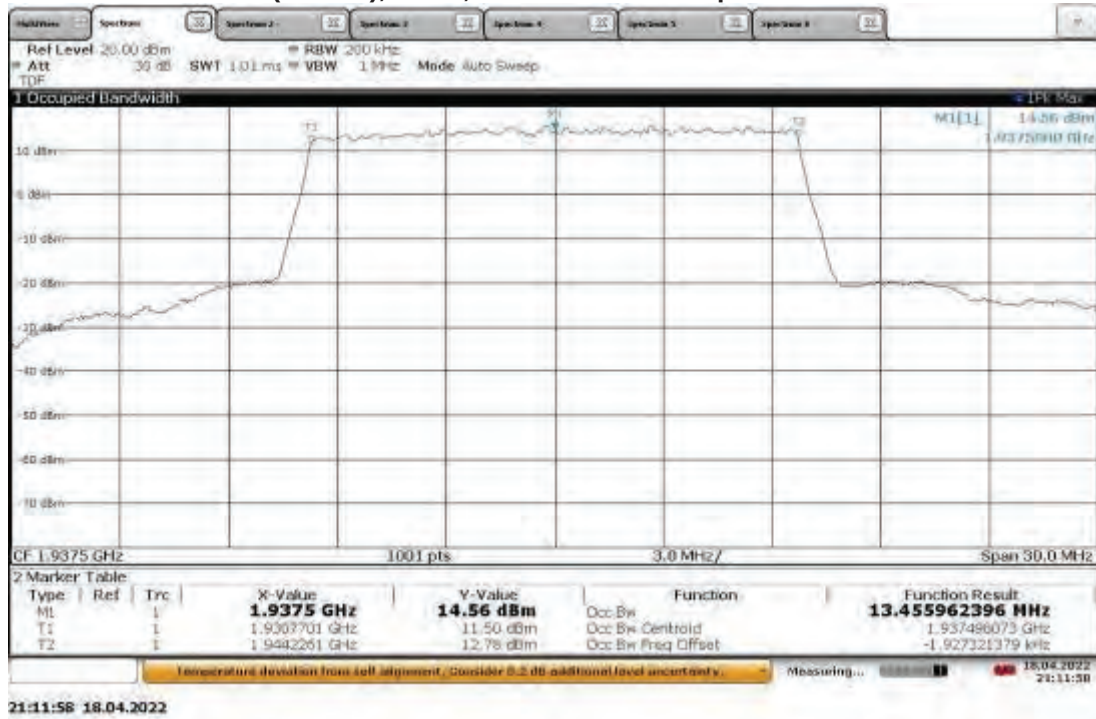
**TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel Occupied Bandwidth**



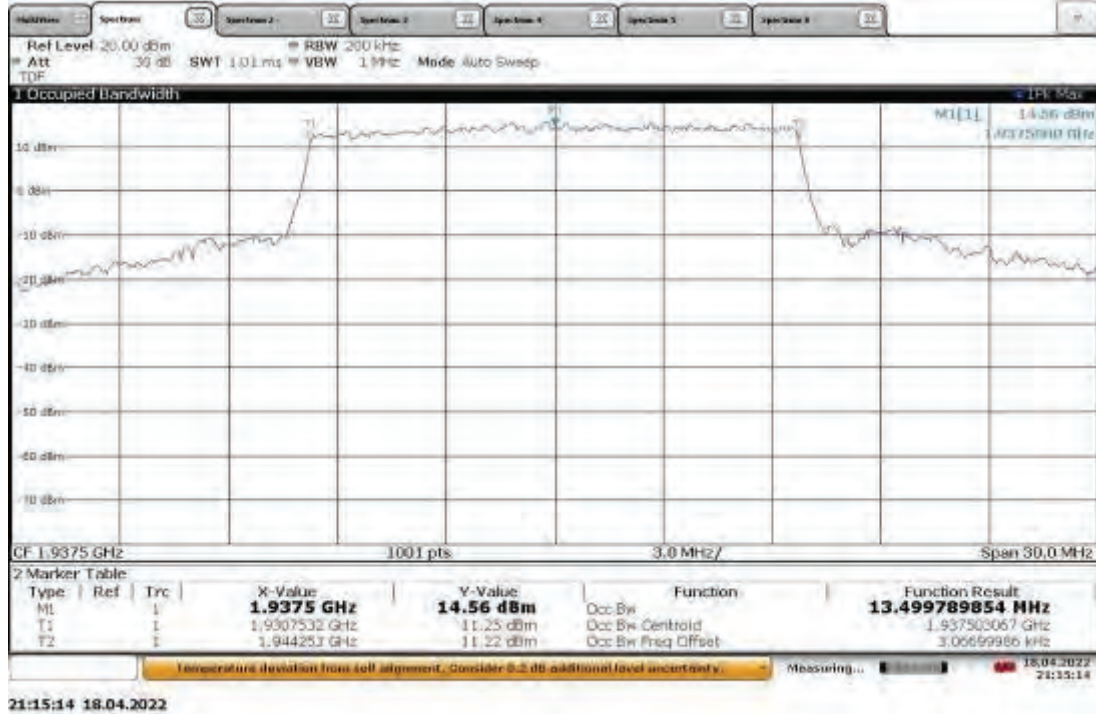
**TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel Occupied Bandwidth**

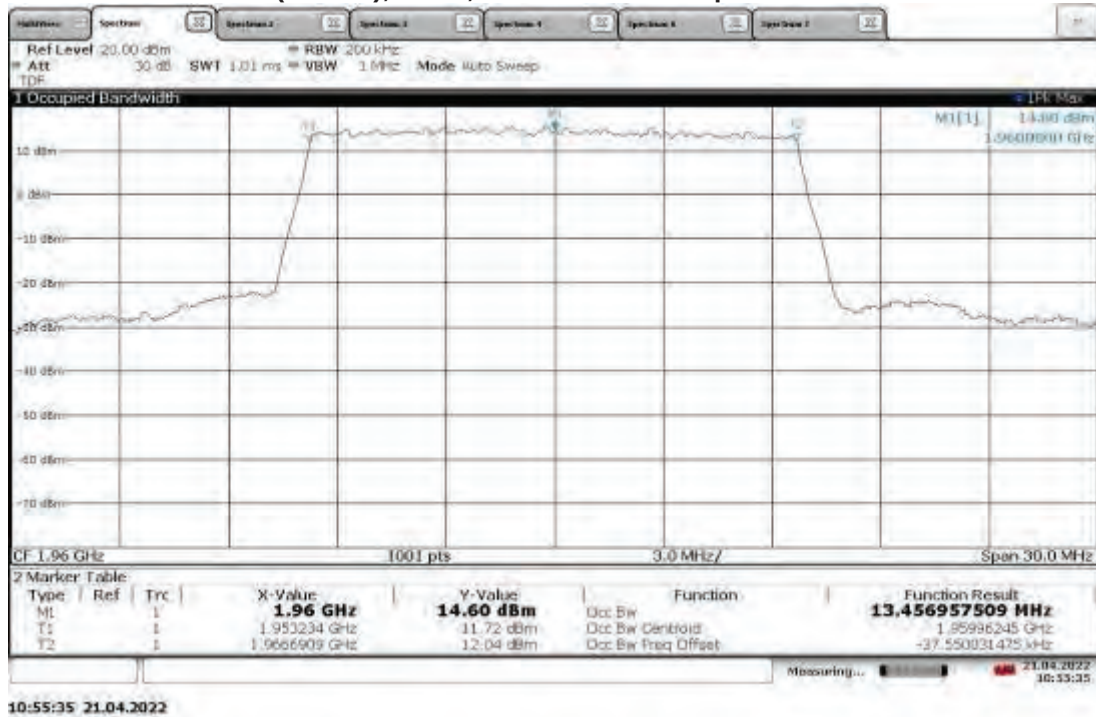
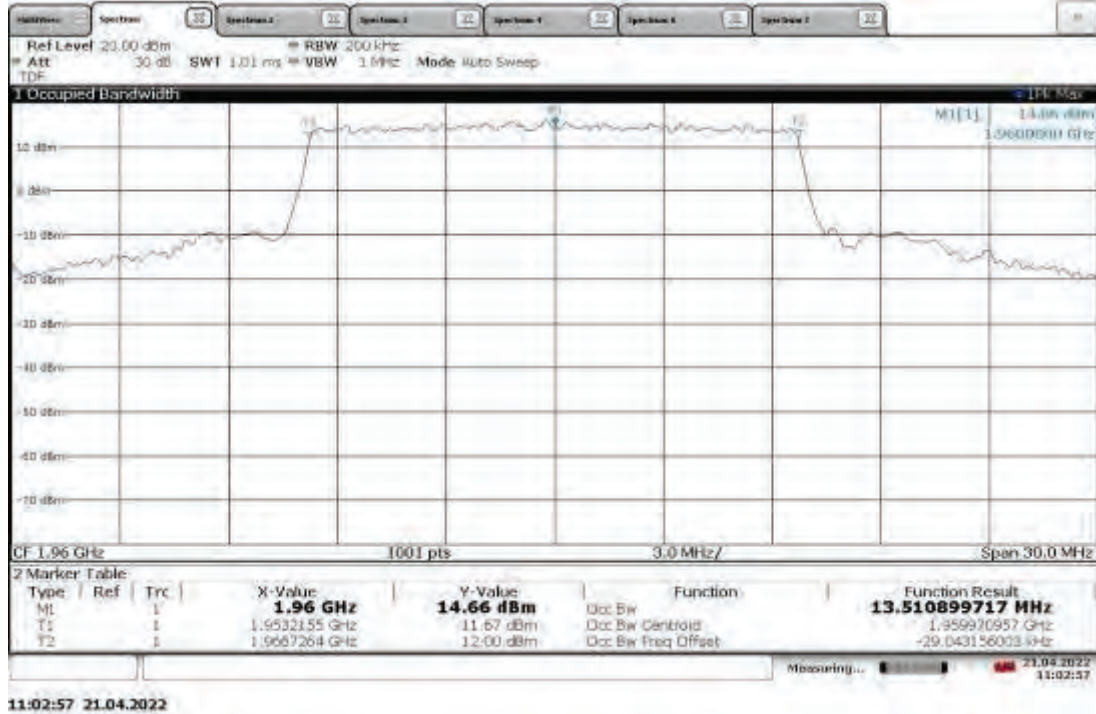


TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel Occupied Bandwidth

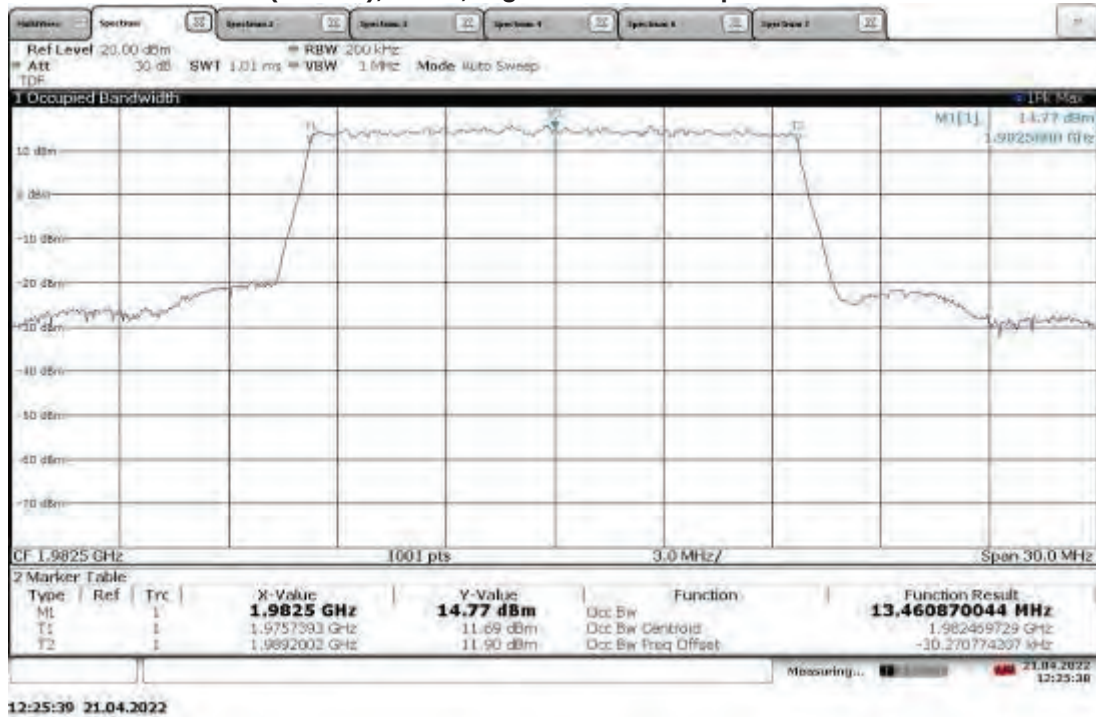


TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel Occupied Bandwidth

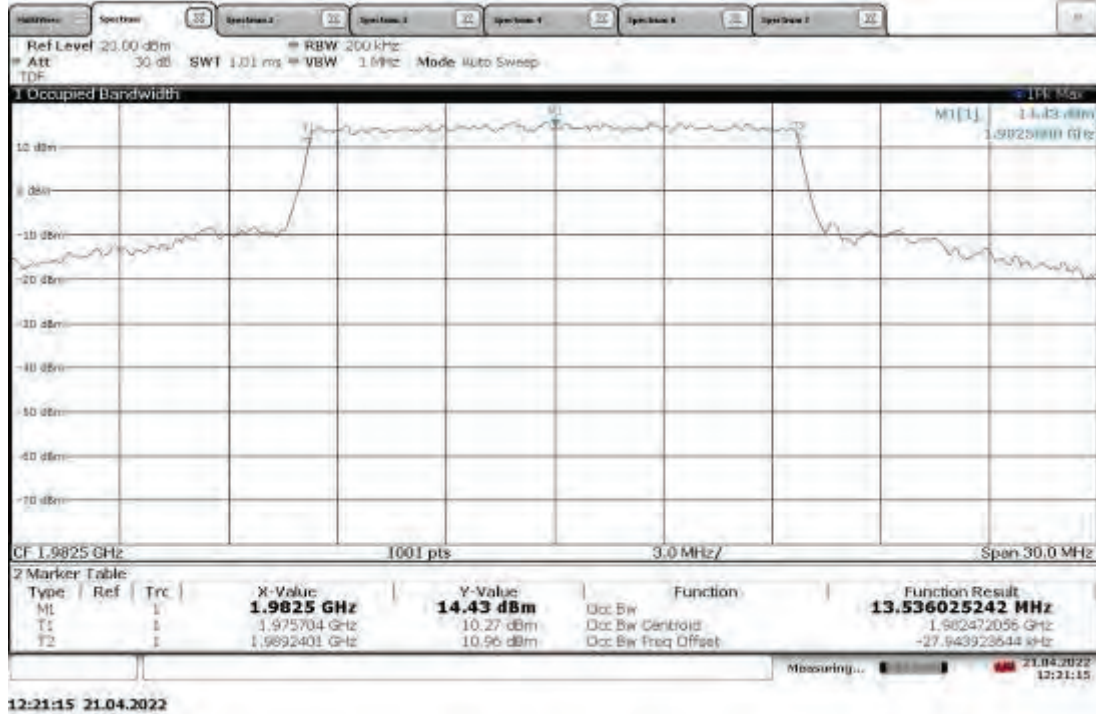


**TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel Occupied Bandwidth****TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel Occupied Bandwidth**

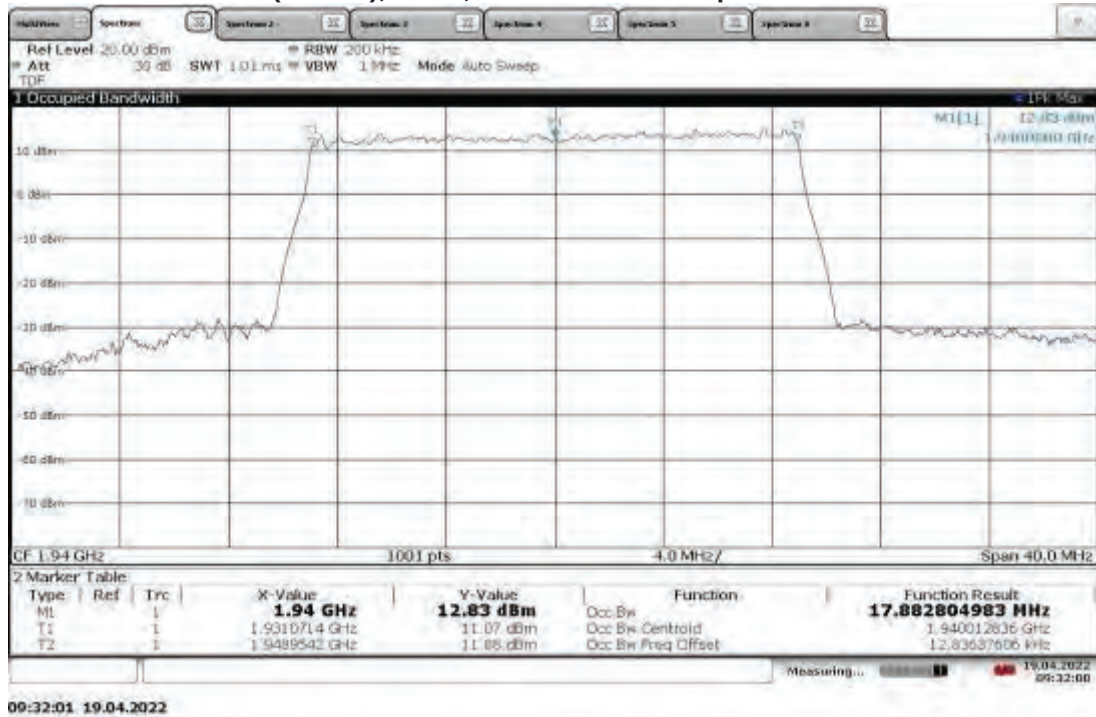
**TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel Occupied Bandwidth**



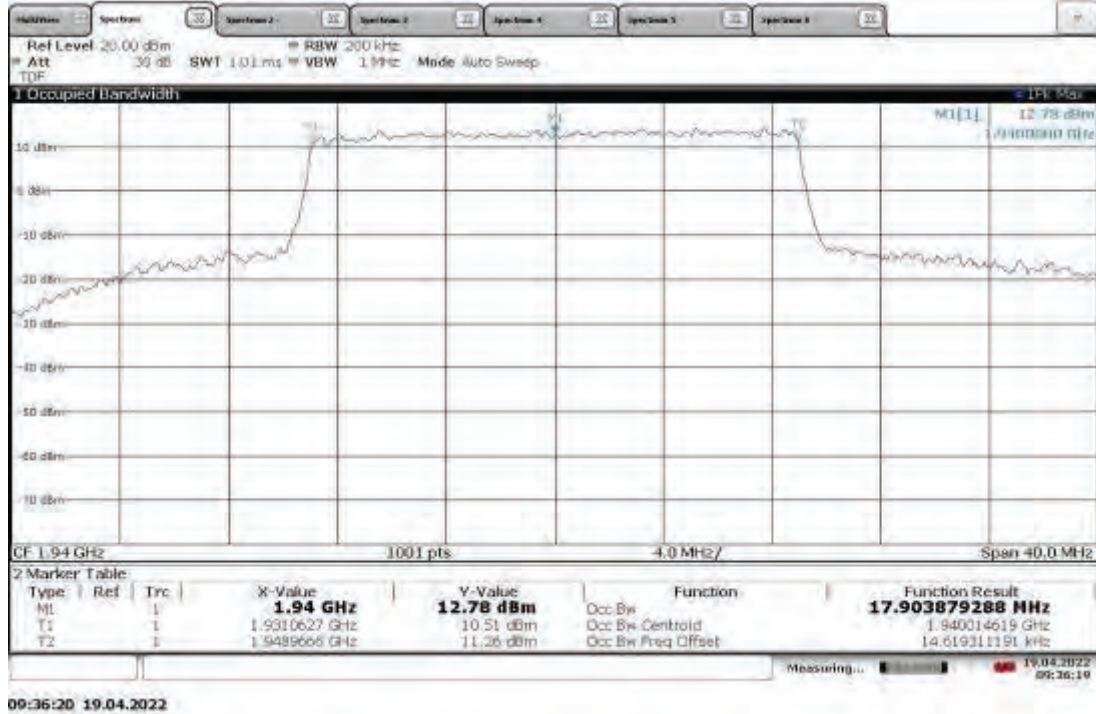
**TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel Occupied Bandwidth**



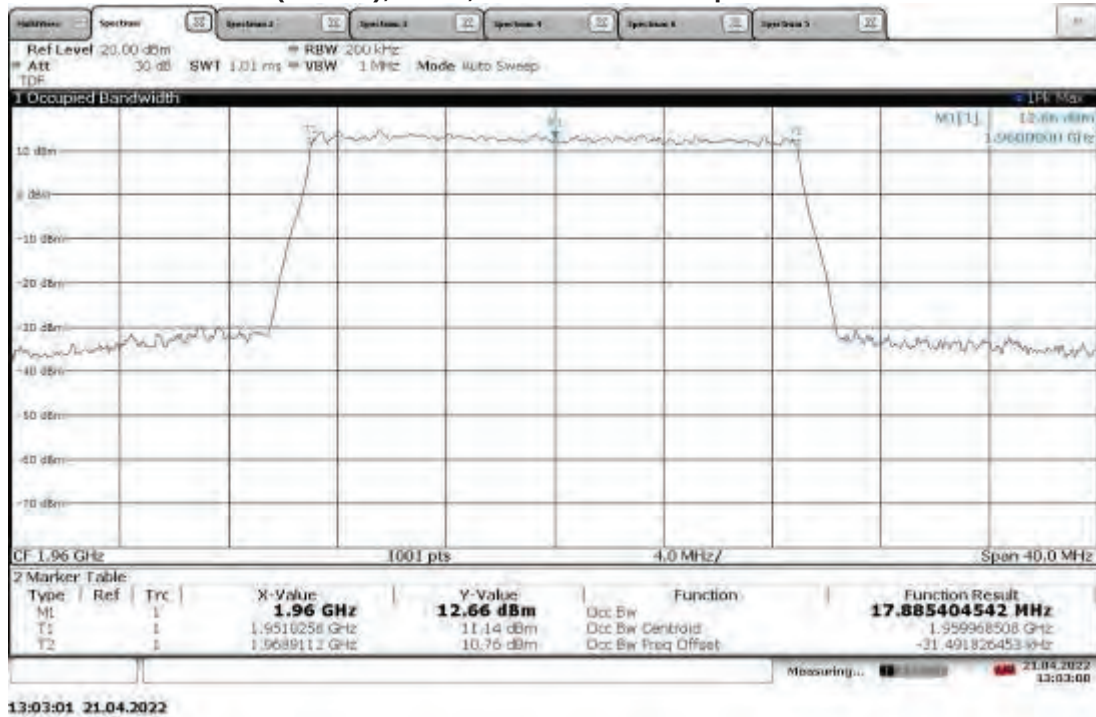
**TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel Occupied Bandwidth**



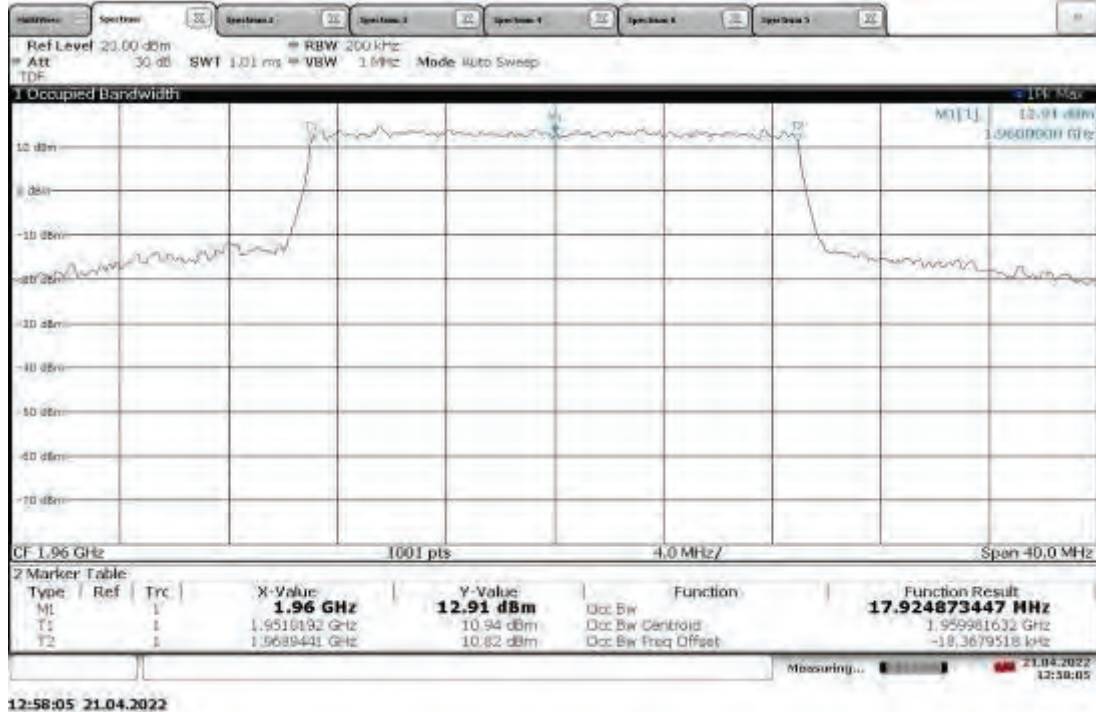
**TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel Occupied Bandwidth**



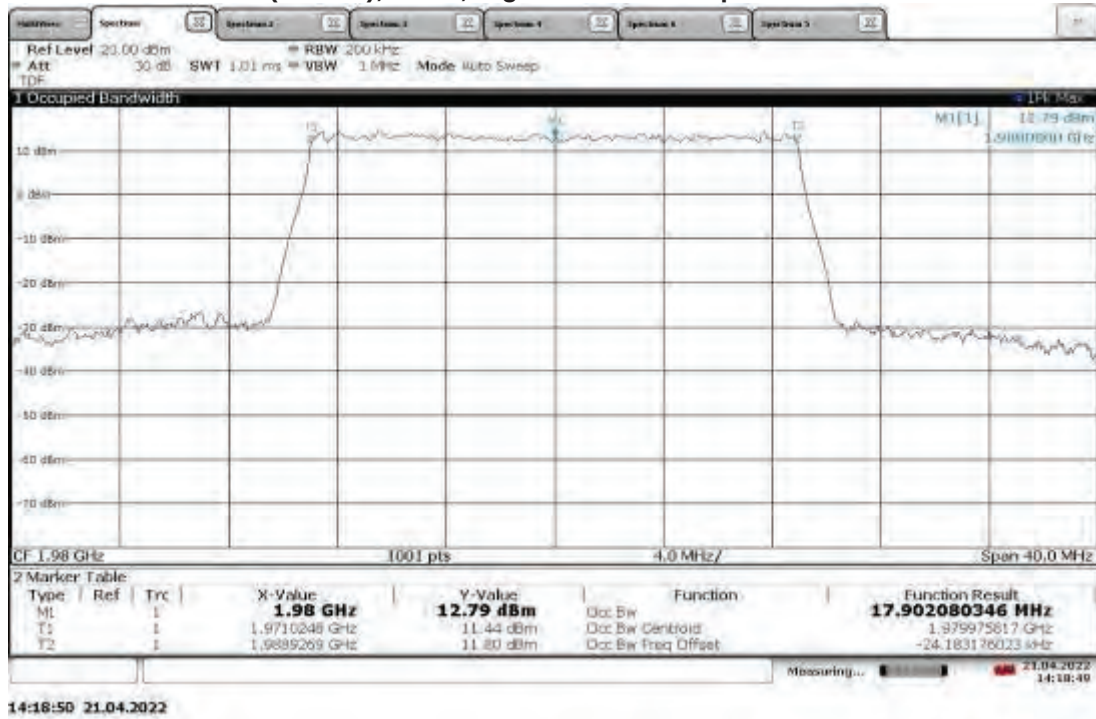
TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel Occupied Bandwidth



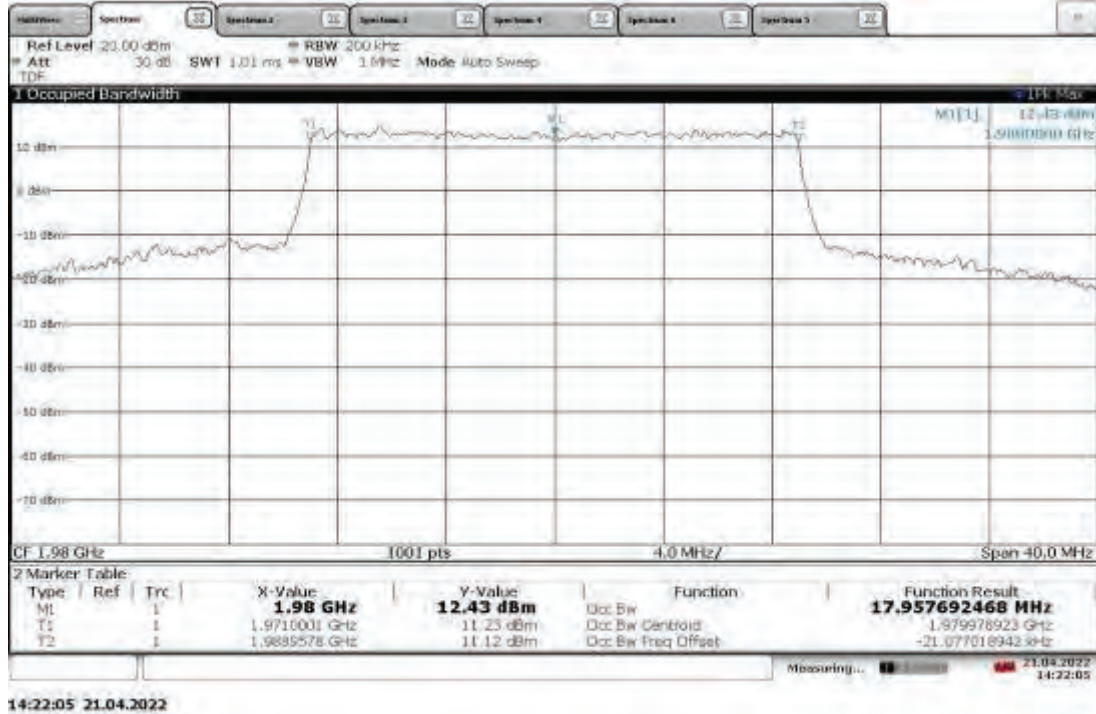
TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel Occupied Bandwidth



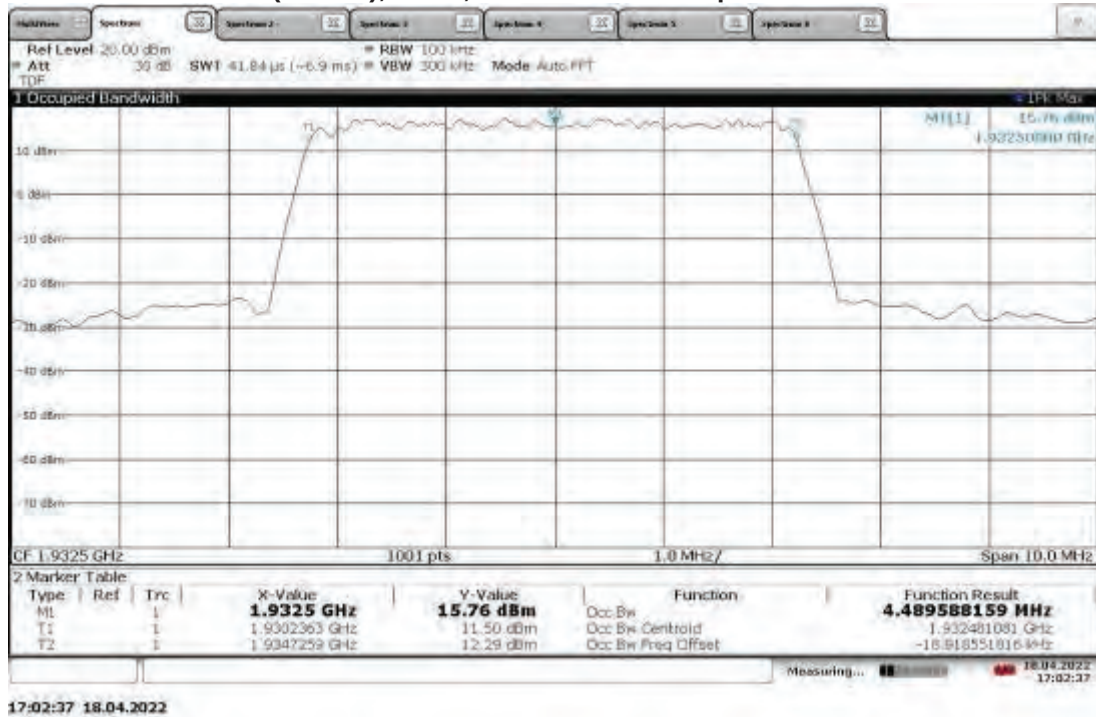
**TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel Occupied Bandwidth**



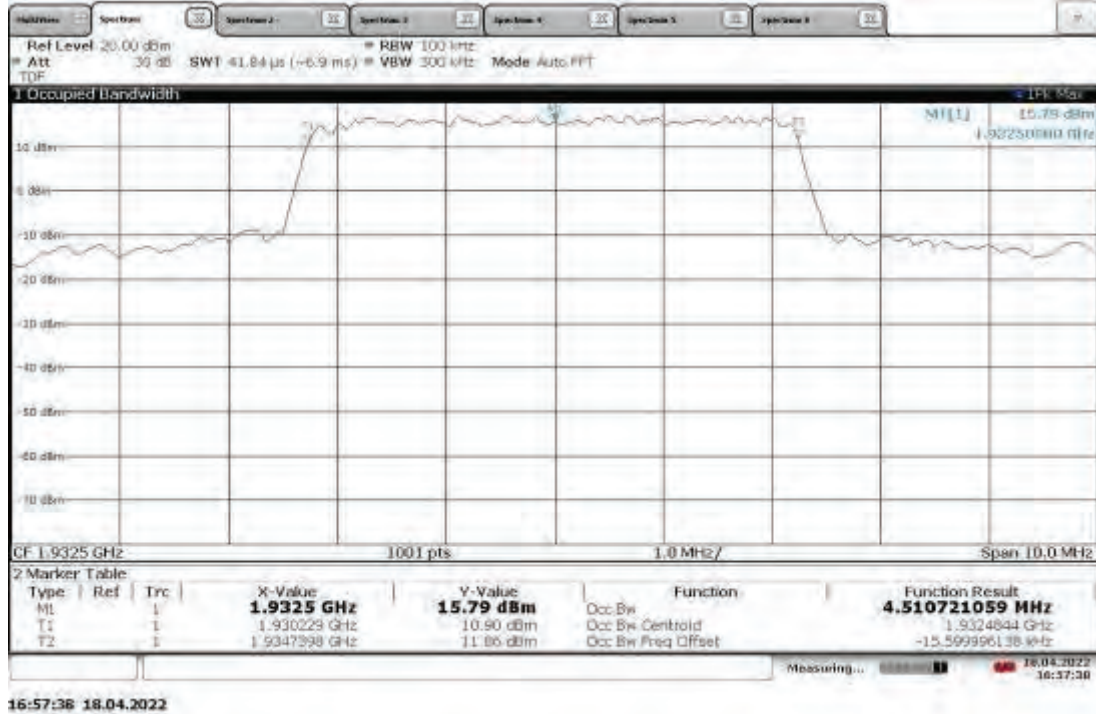
**TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel Occupied Bandwidth**



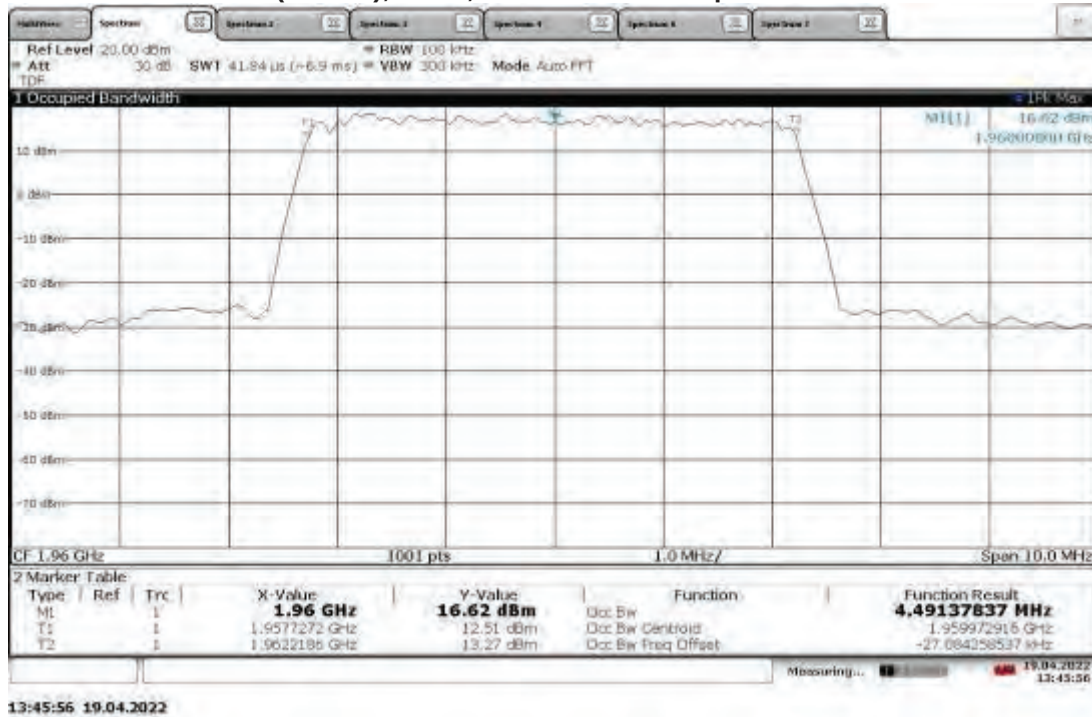
TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel Occupied Bandwidth



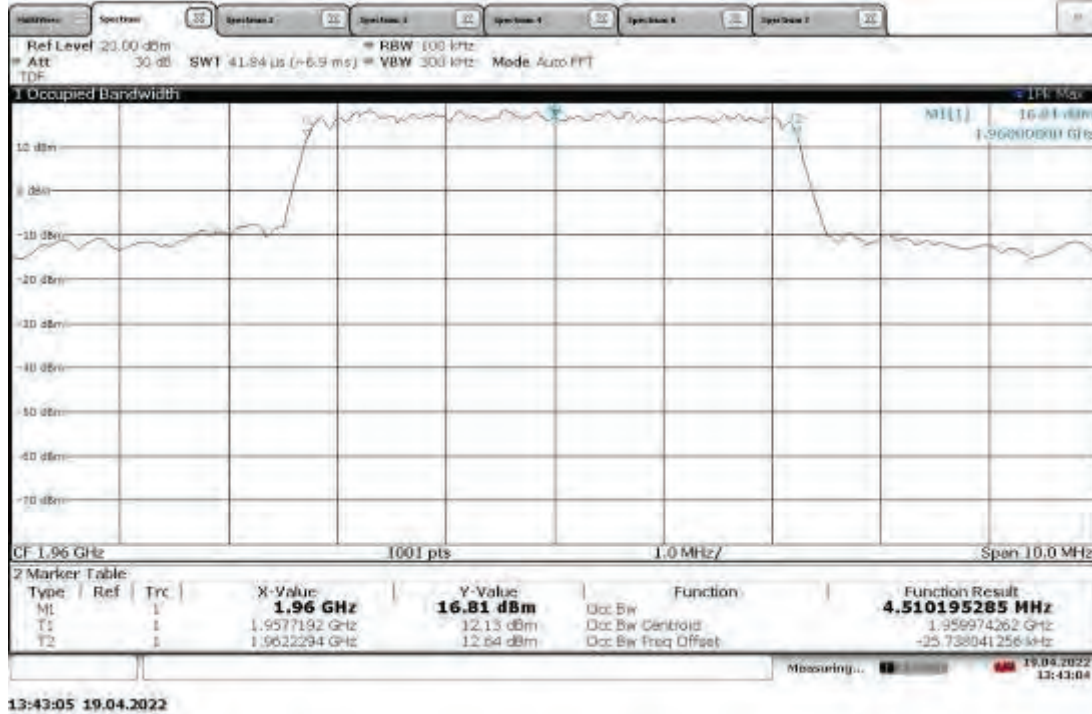
TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel Occupied Bandwidth



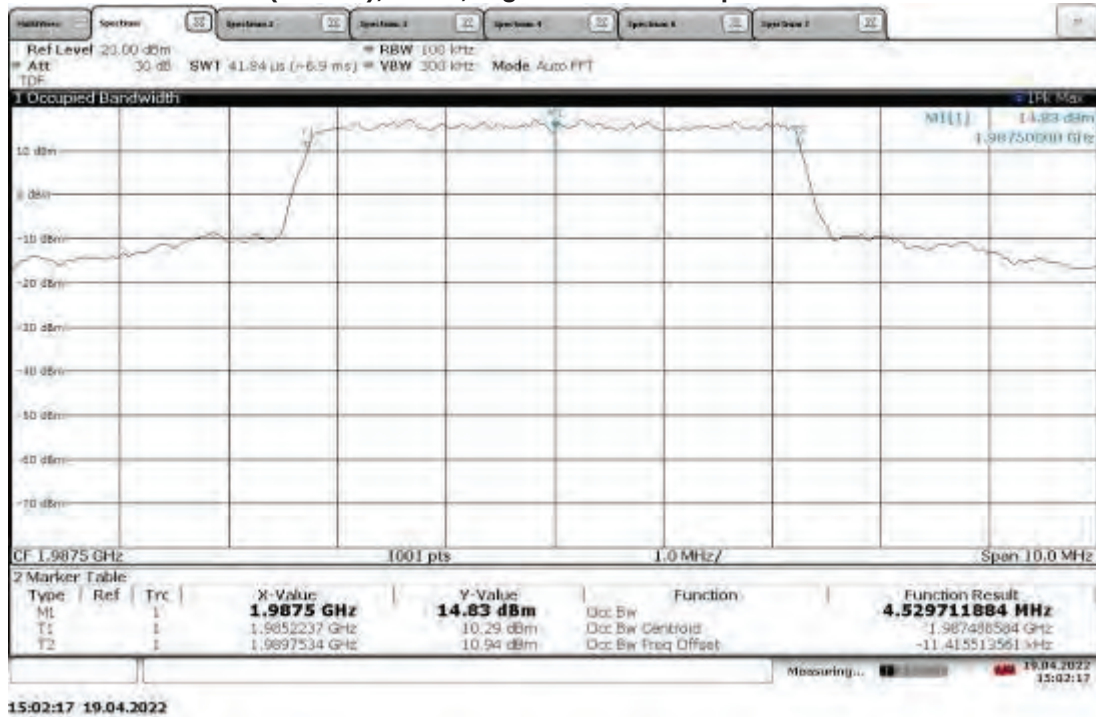
TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel Occupied Bandwidth



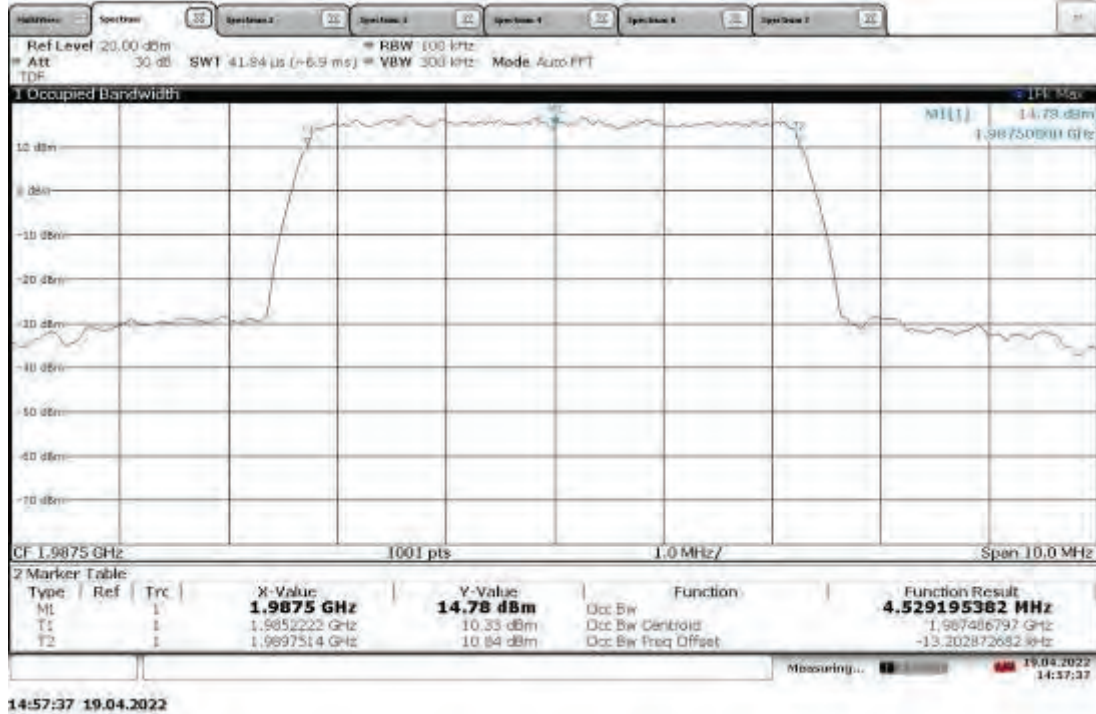
TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel Occupied Bandwidth



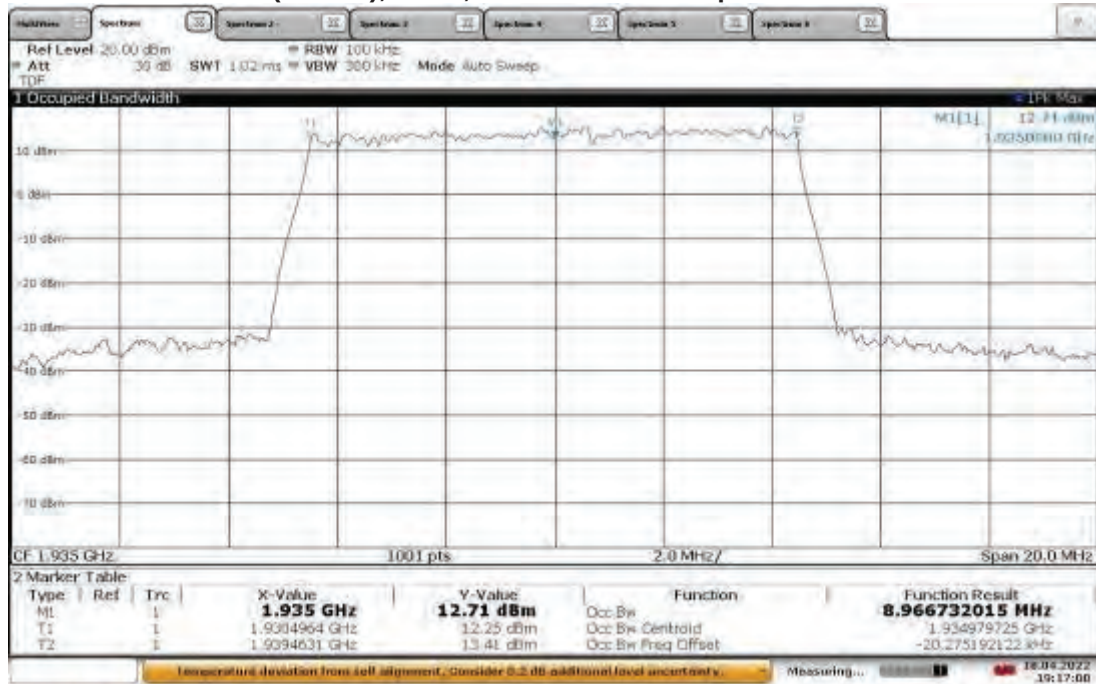
TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel Occupied Bandwidth



TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel Occupied Bandwidth



**TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel Occupied Bandwidth**

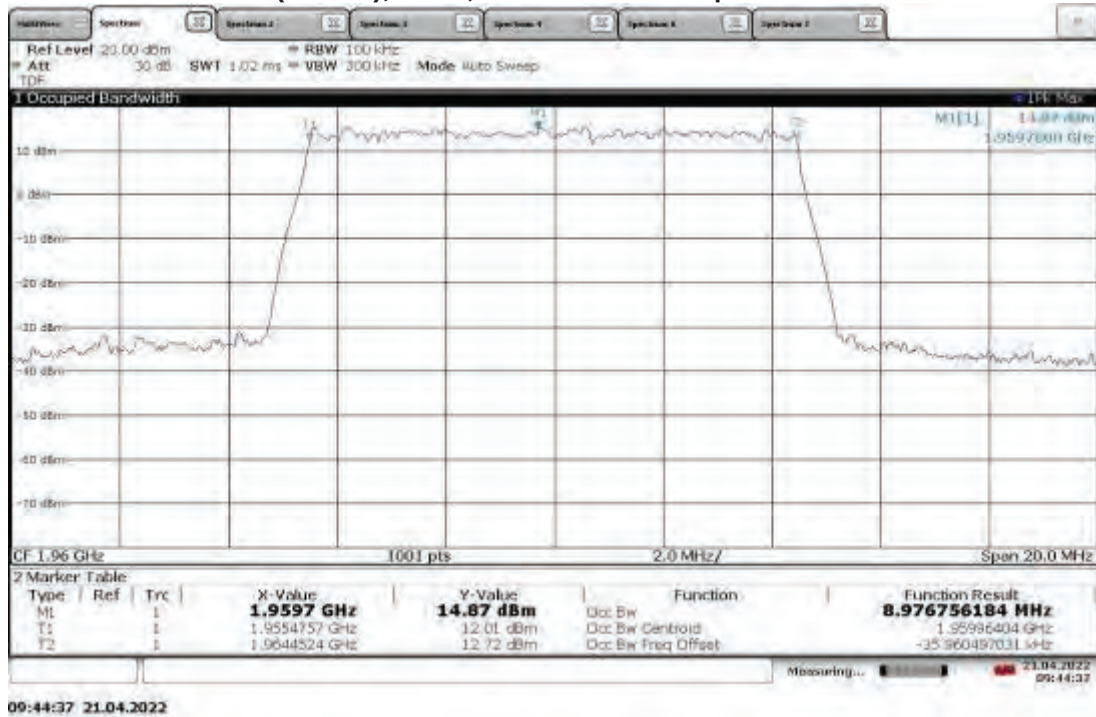
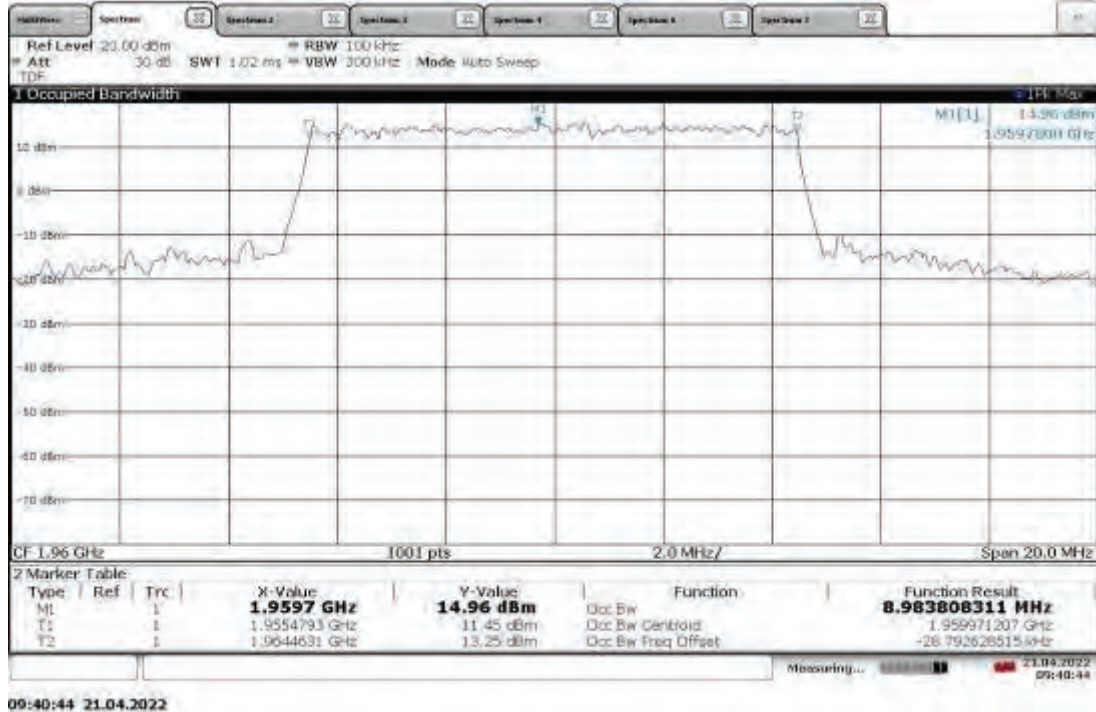


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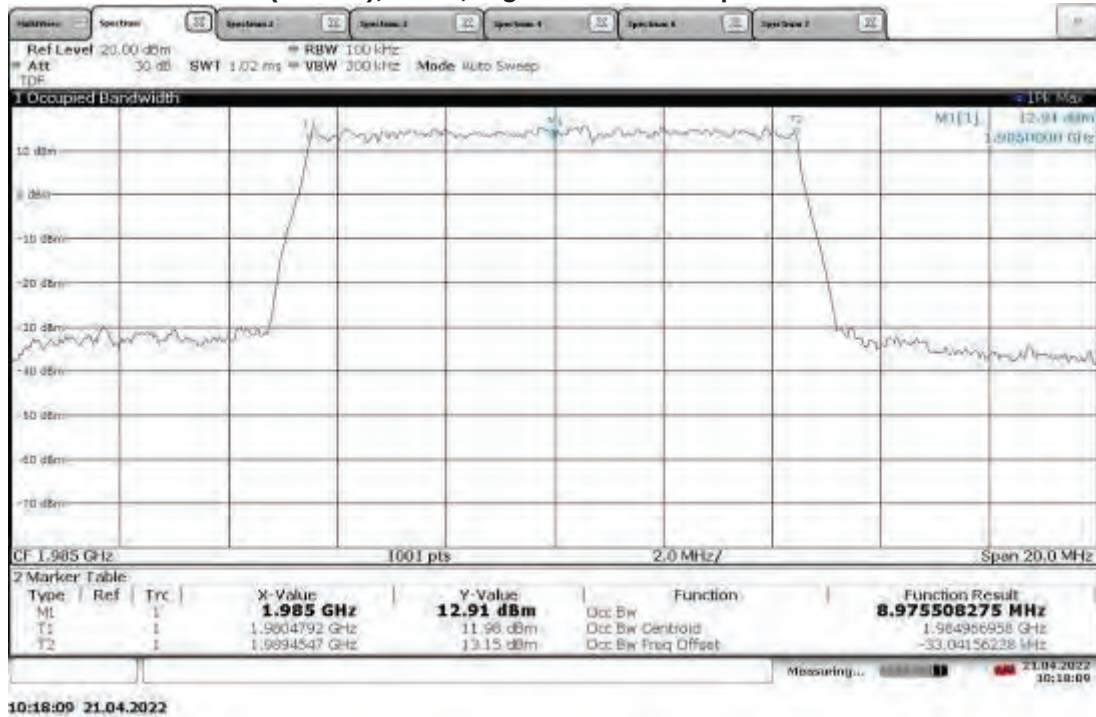
**TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel Occupied Bandwidth**



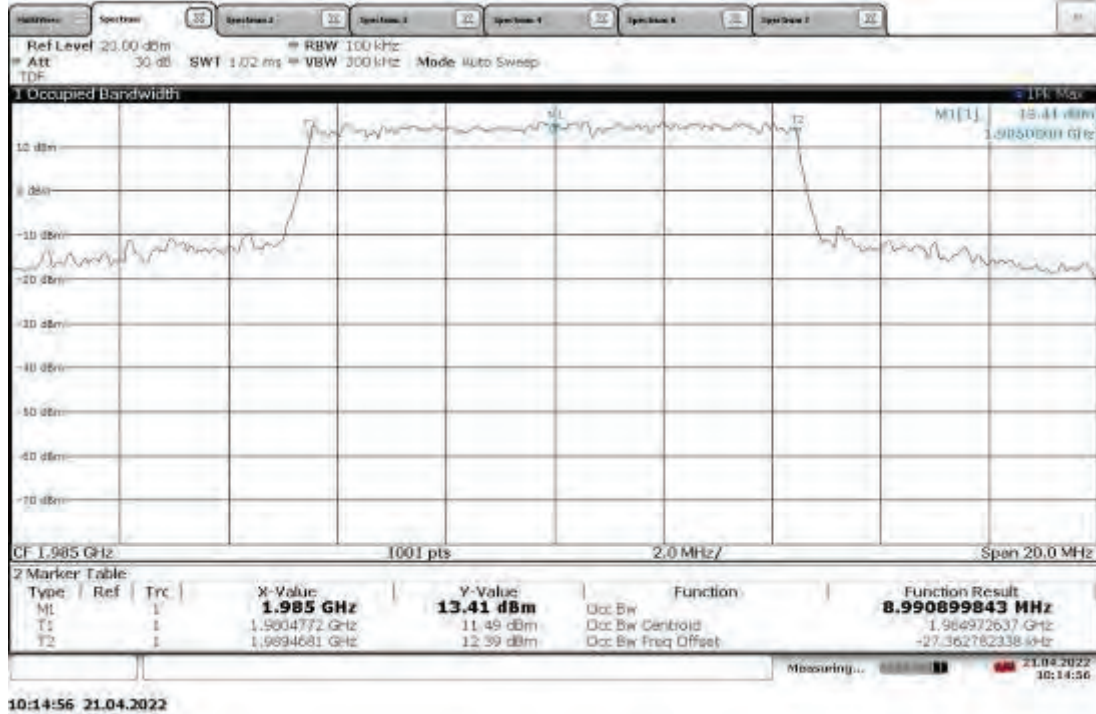
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**TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel Occupied Bandwidth****TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel Occupied Bandwidth**

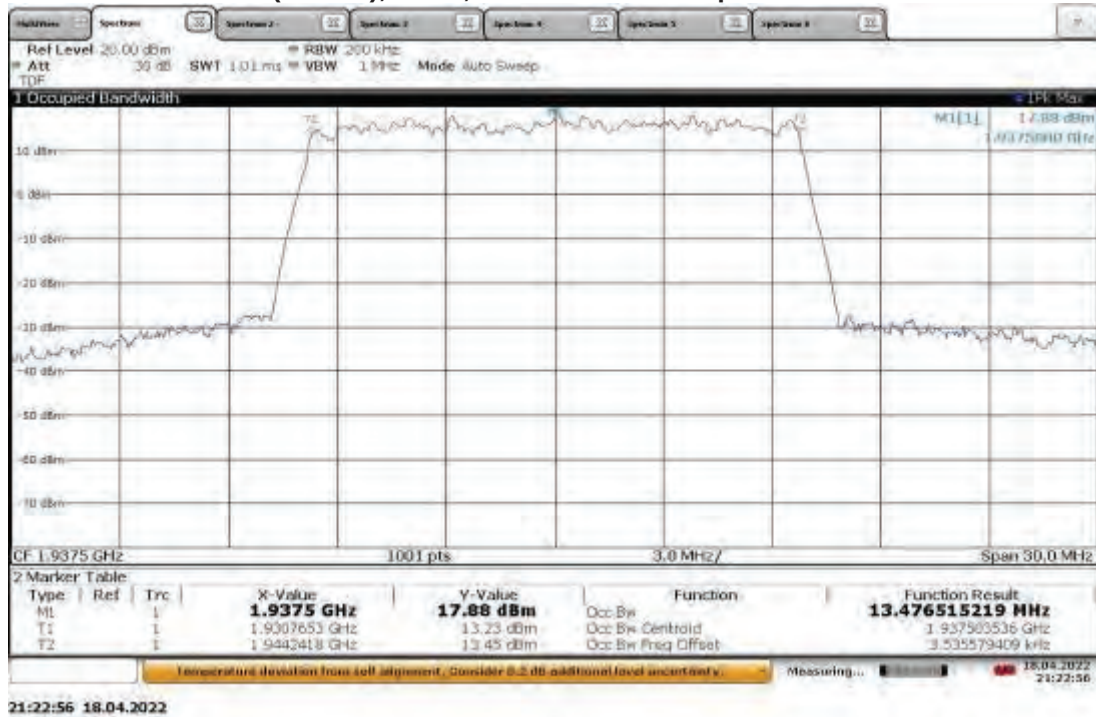
**TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel Occupied Bandwidth**



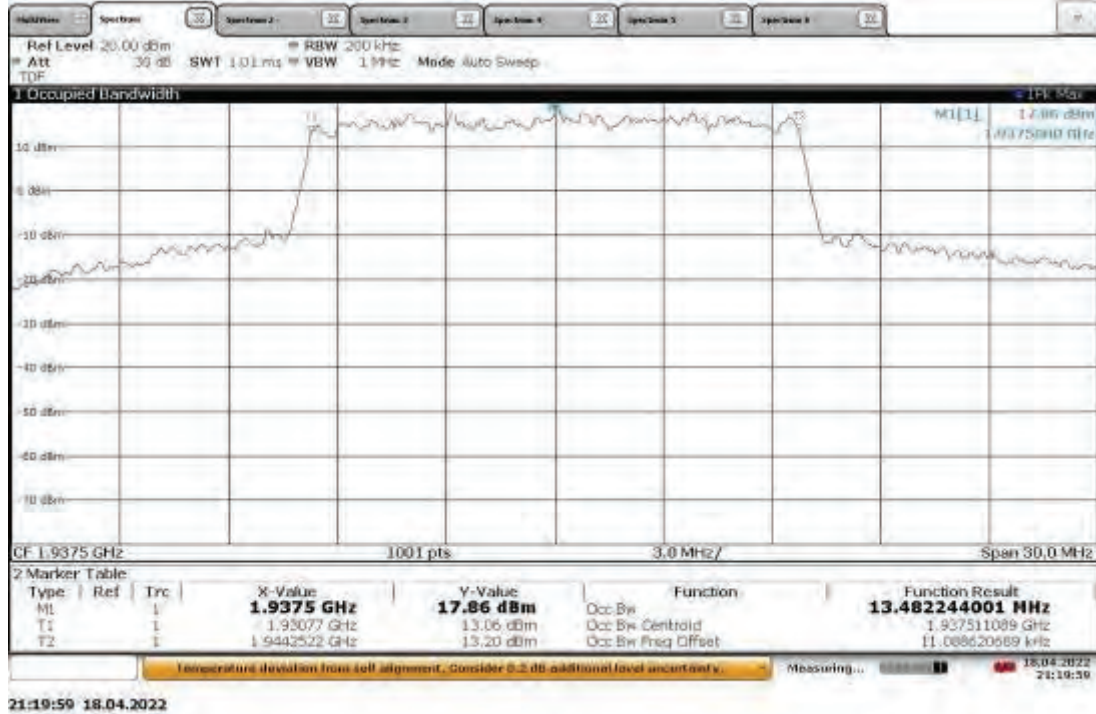
**TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel Occupied Bandwidth**



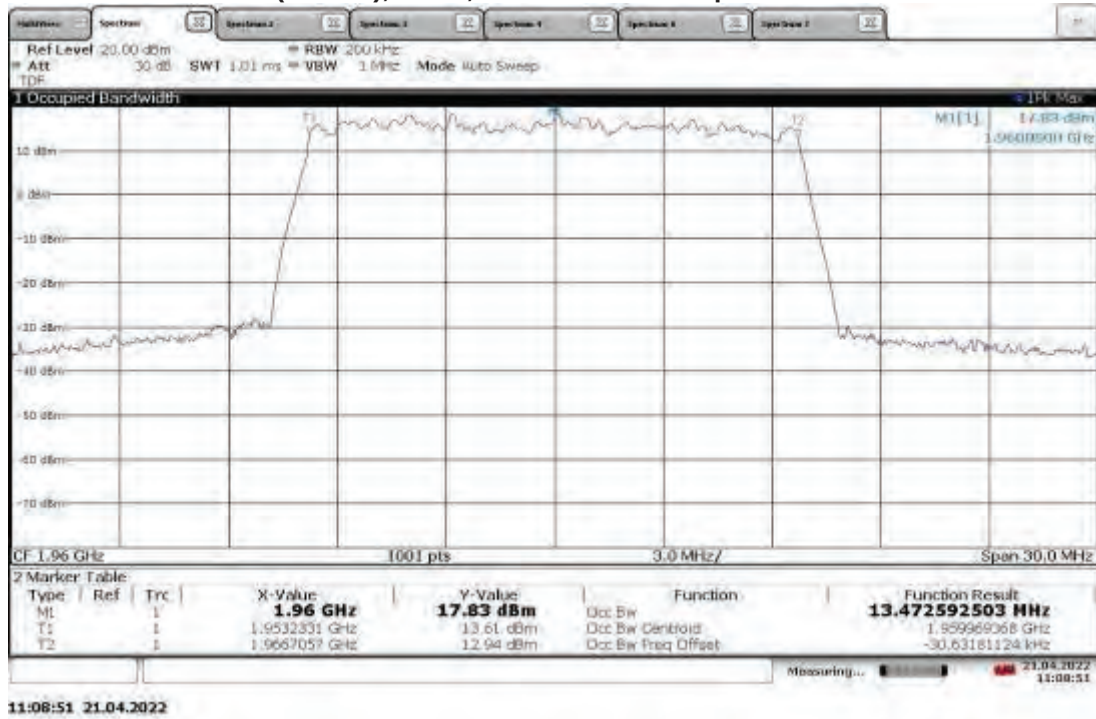
**TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel Occupied Bandwidth**



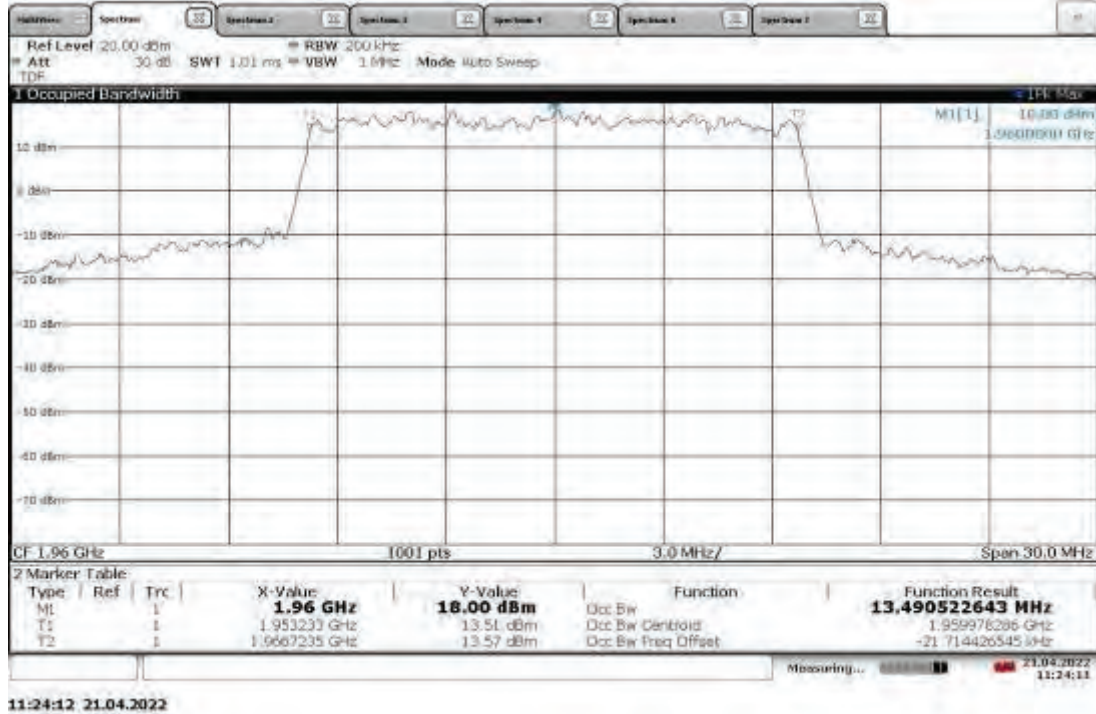
**TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel Occupied Bandwidth**

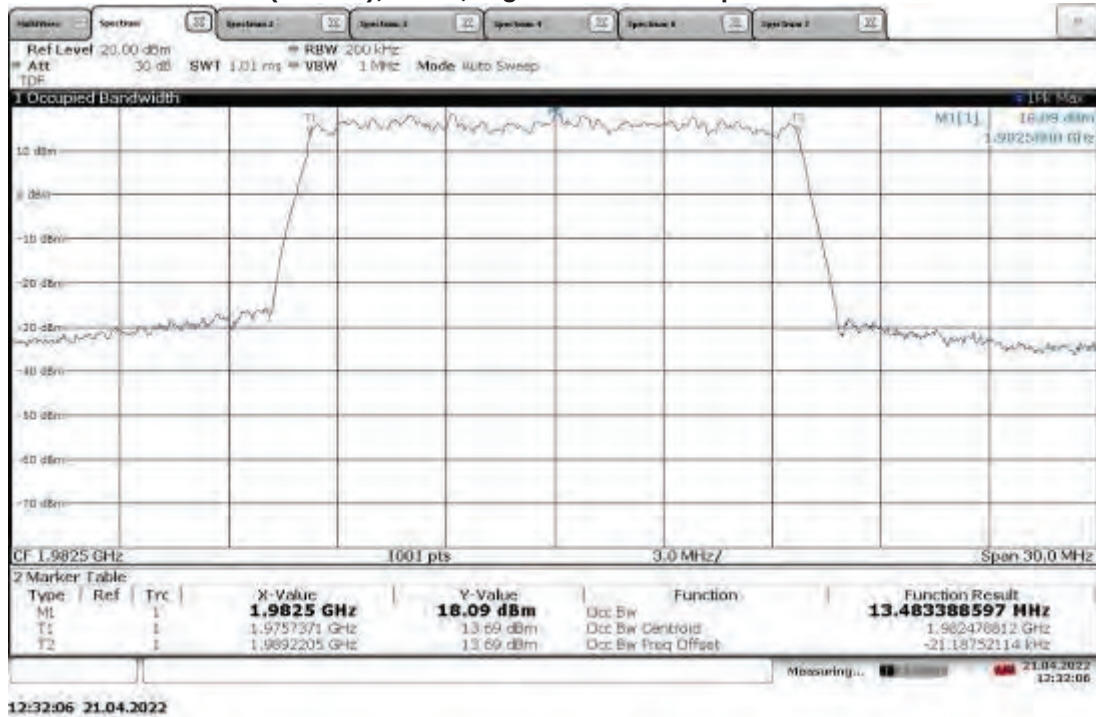
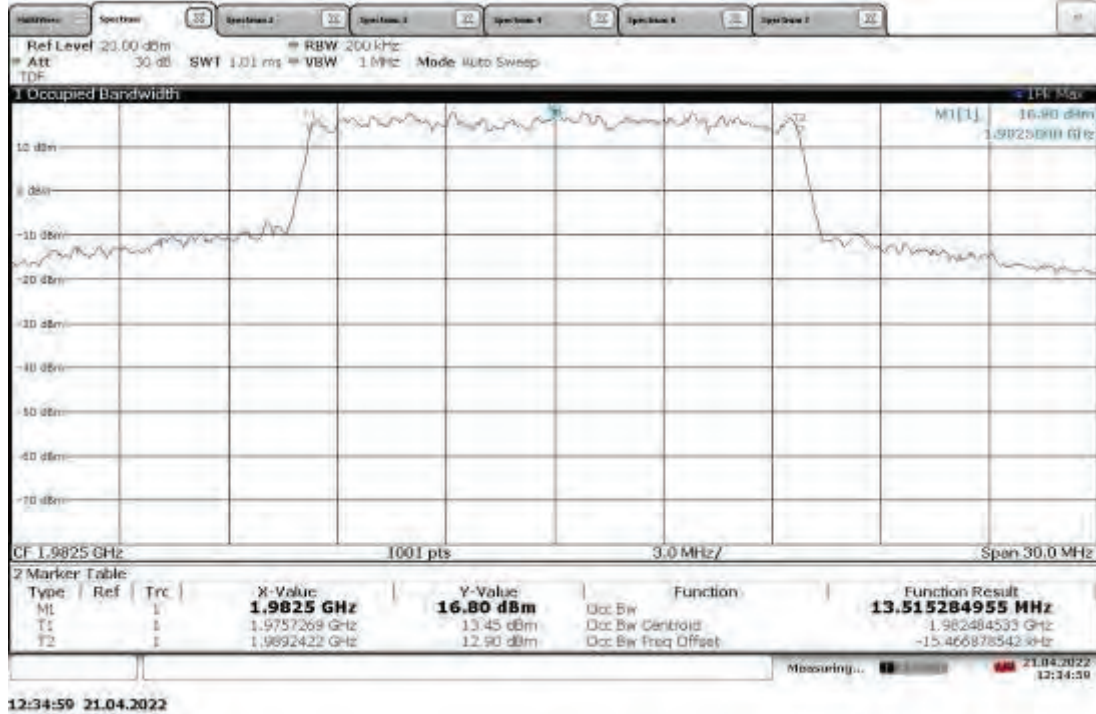


**TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel Occupied Bandwidth**

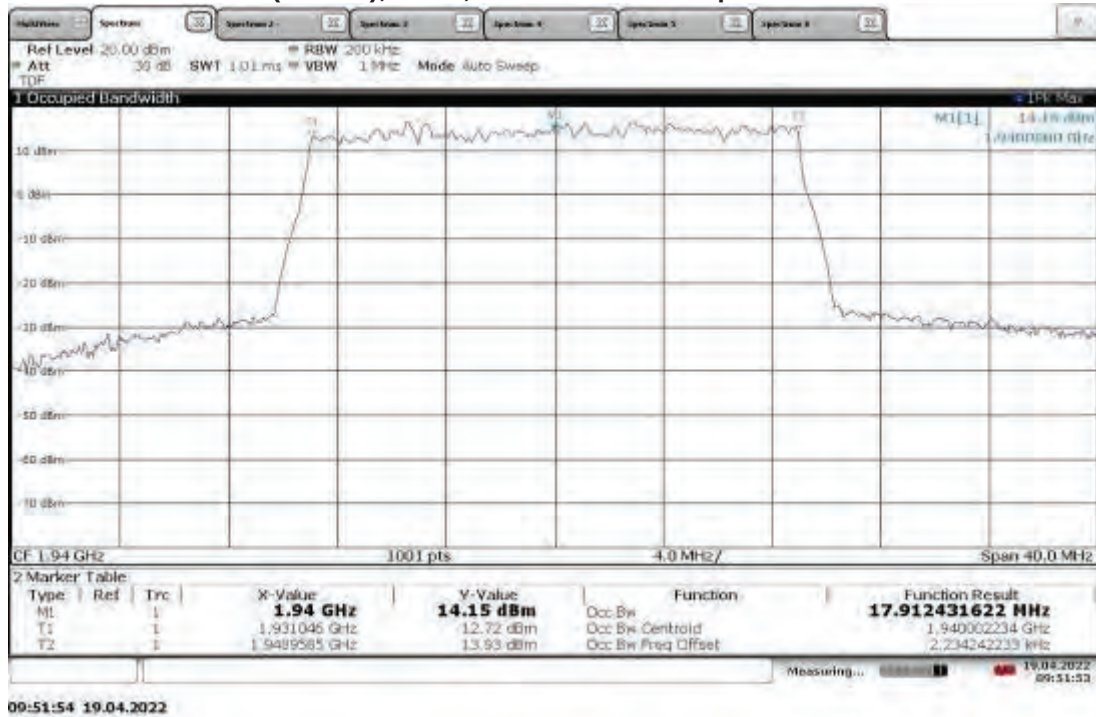


**TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel Occupied Bandwidth**

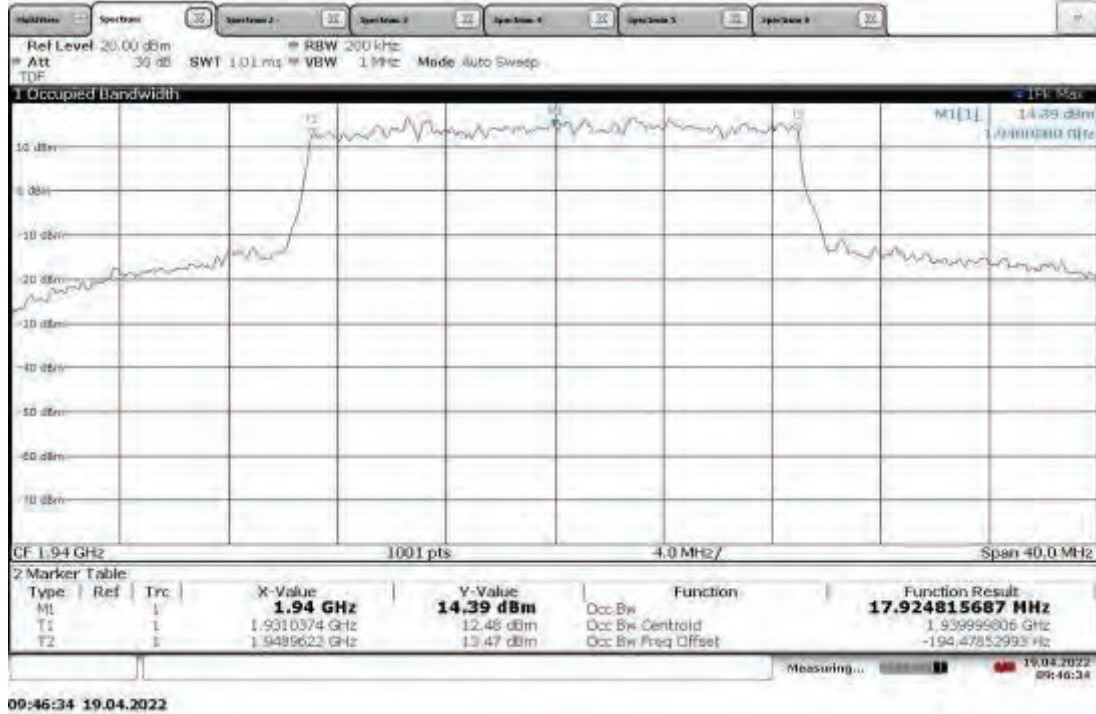


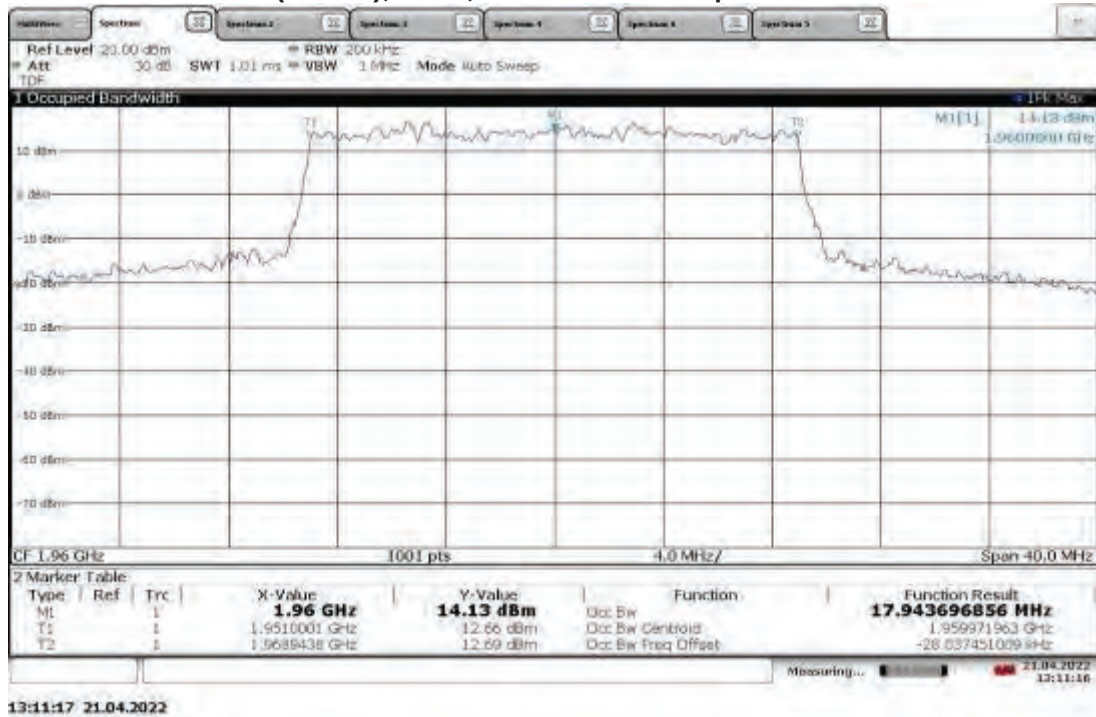
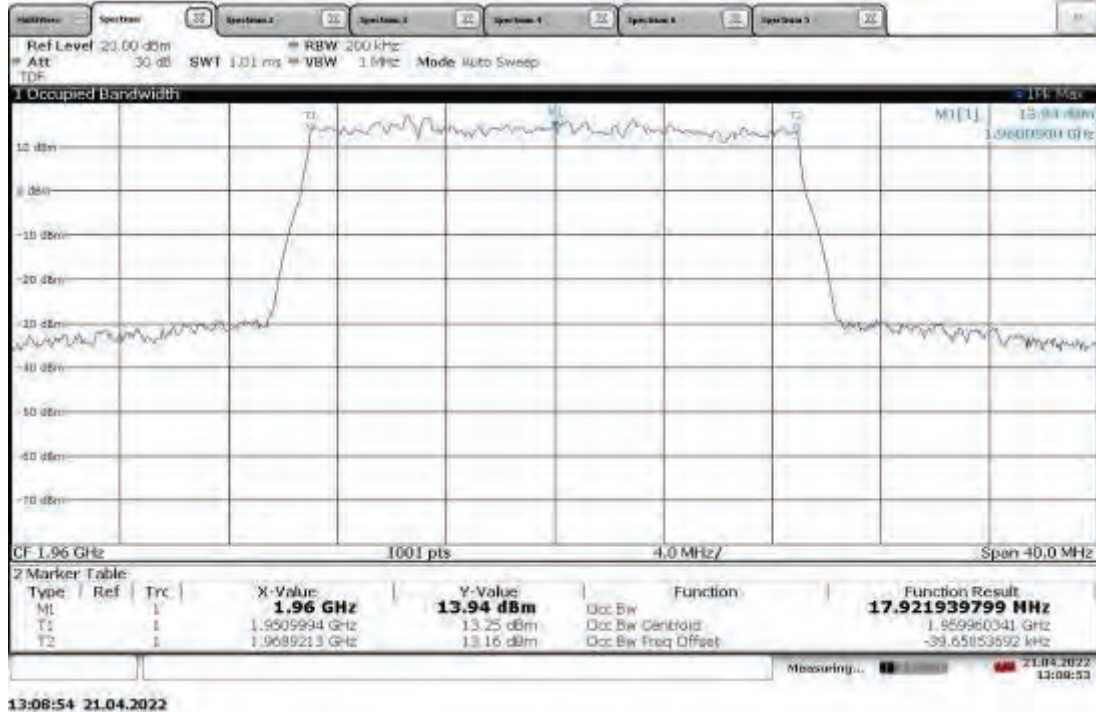
**TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel Occupied Bandwidth****TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel Occupied Bandwidth**

**TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel Occupied Bandwidth**

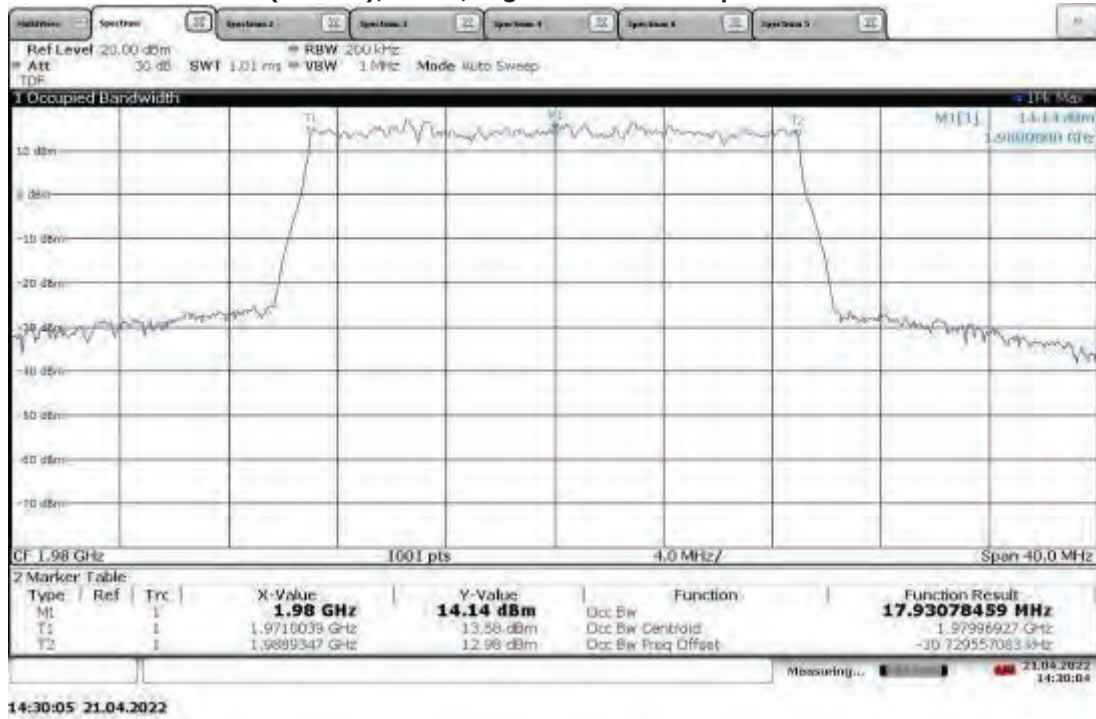


**TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel Occupied Bandwidth**

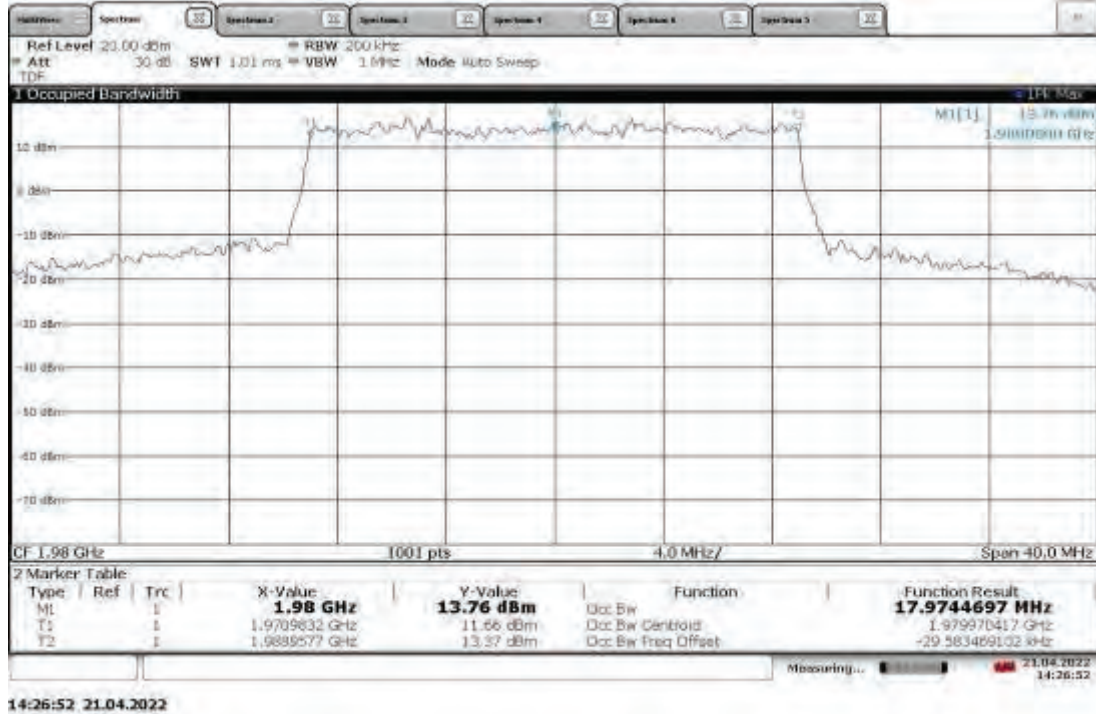


**TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel Occupied Bandwidth****TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel Occupied Bandwidth**

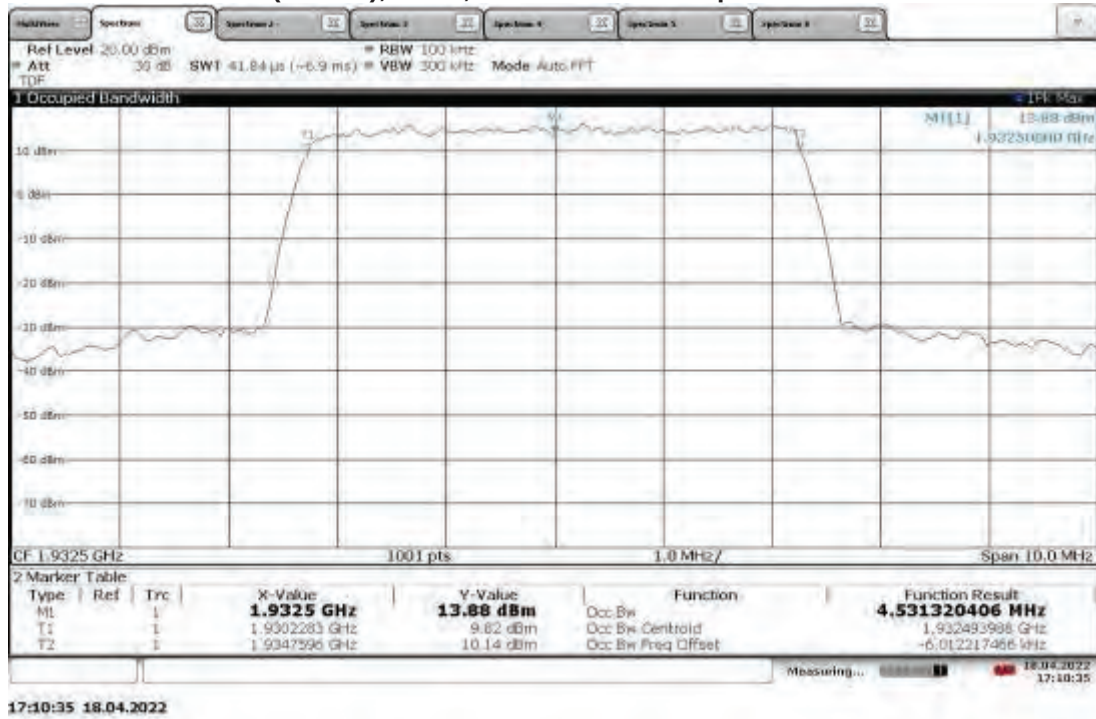
**TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel Occupied Bandwidth**



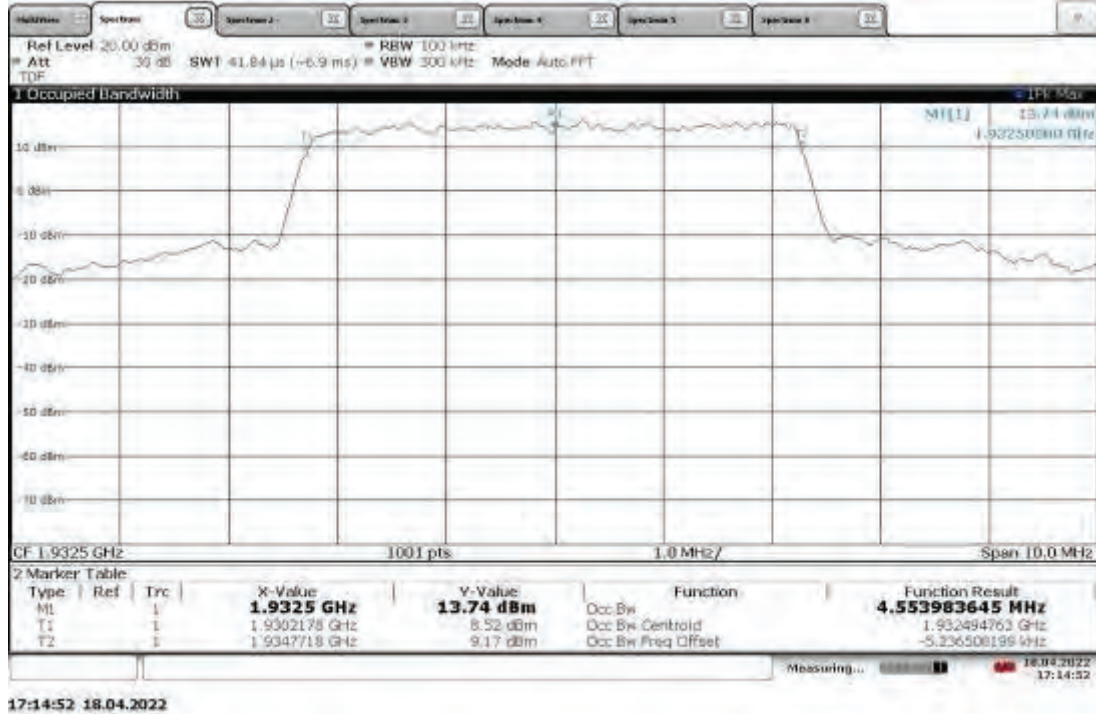
**TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel Occupied Bandwidth**



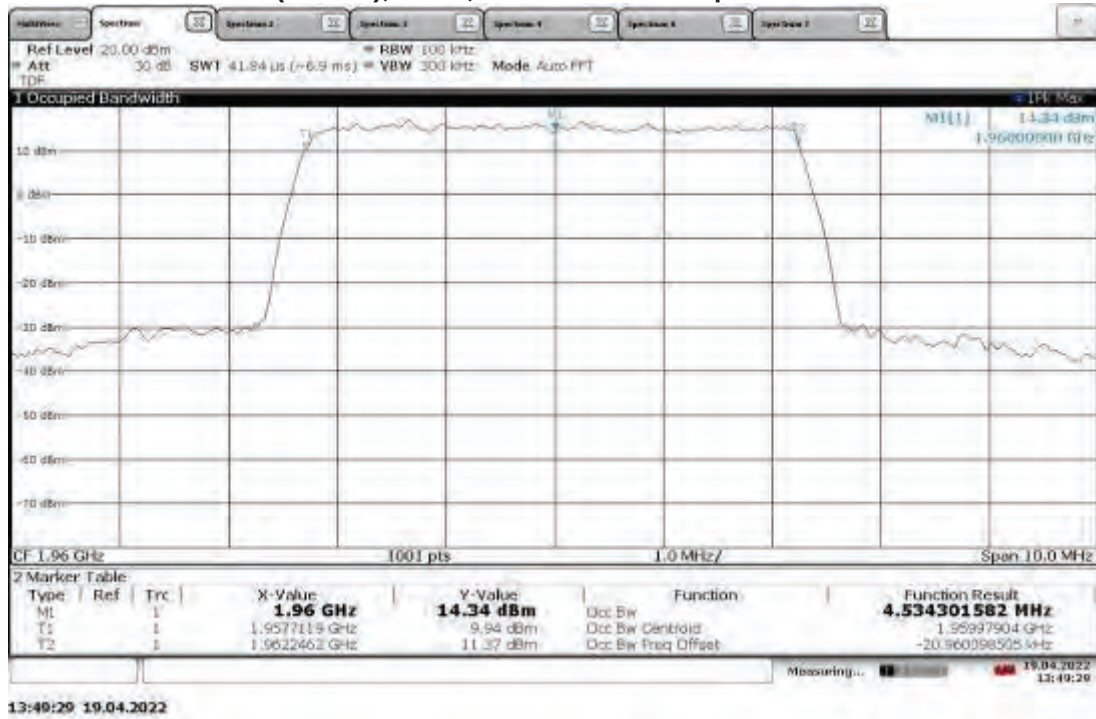
TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel Occupied Bandwidth



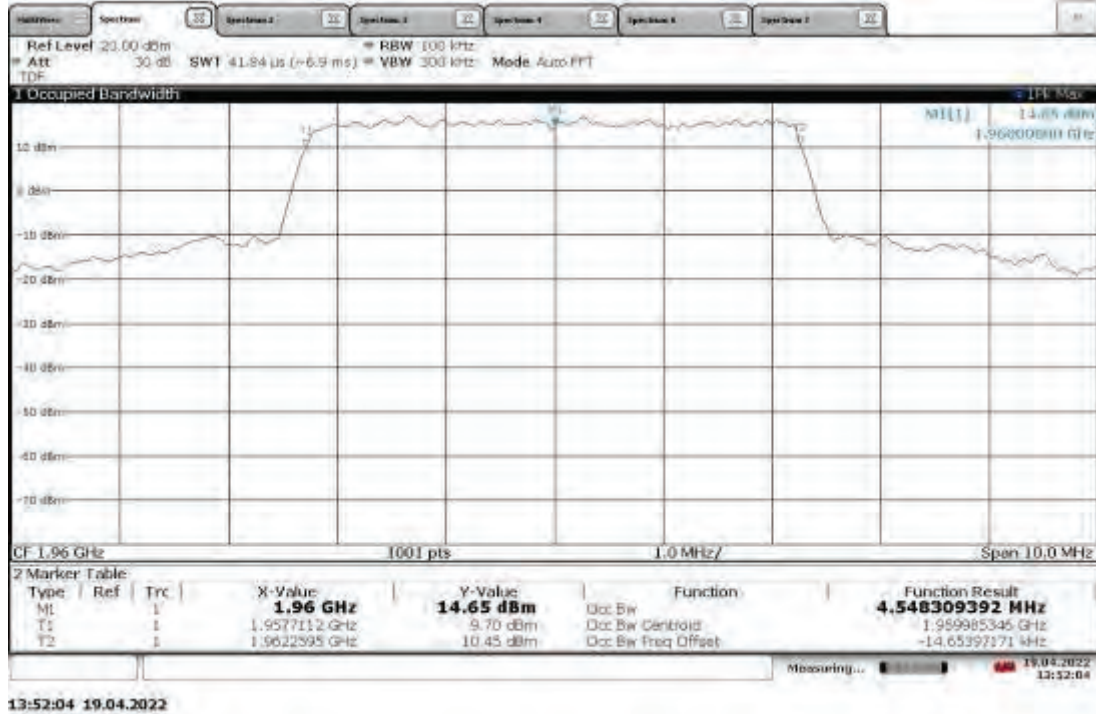
TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel Occupied Bandwidth



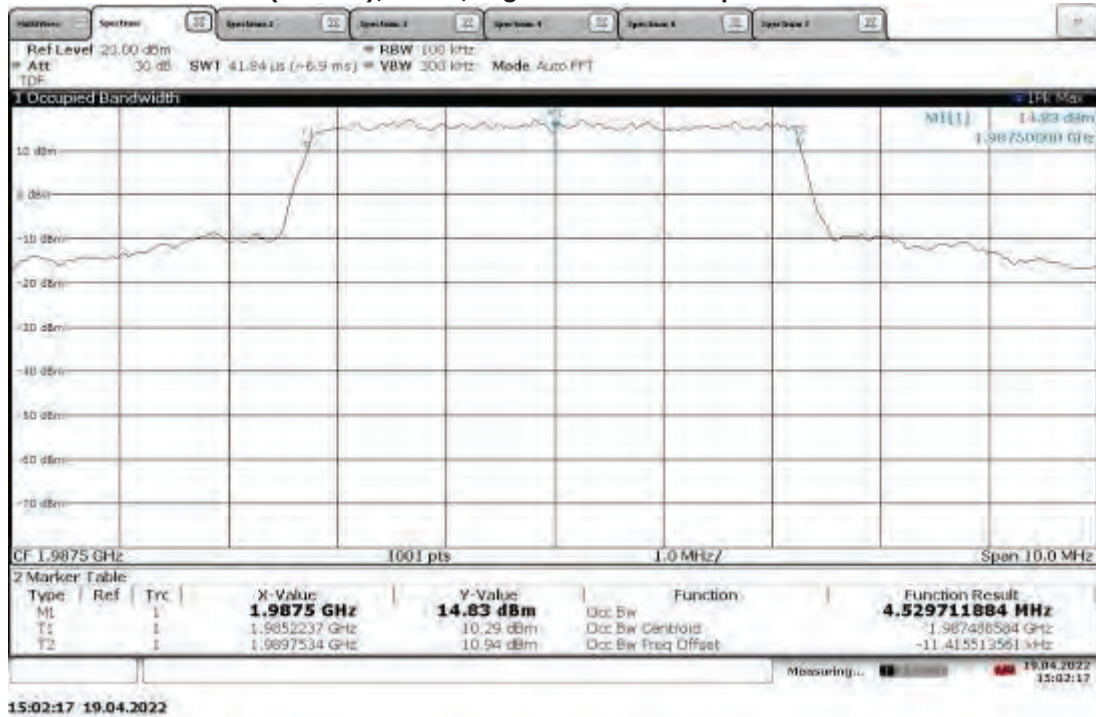
TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel Occupied Bandwidth



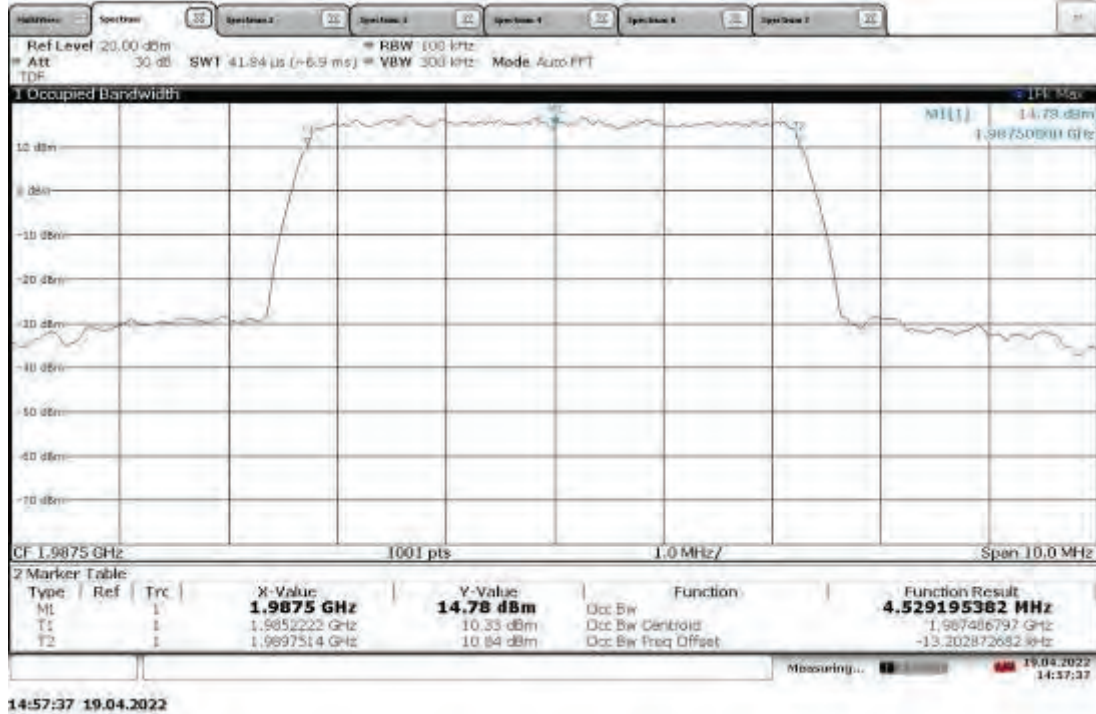
TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel Occupied Bandwidth



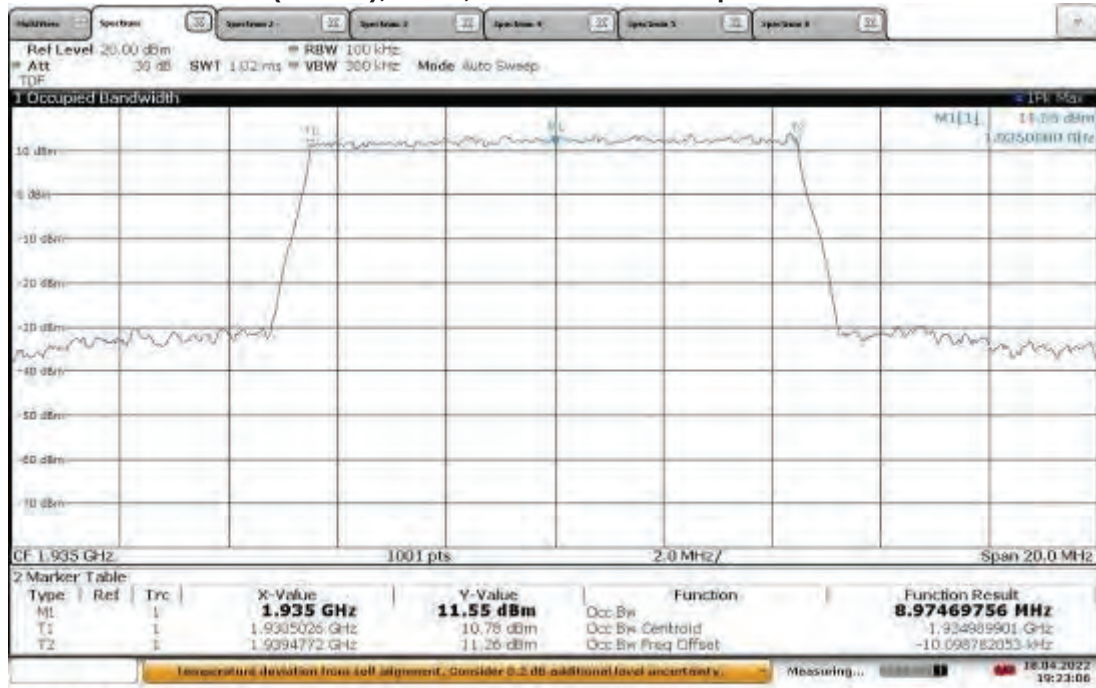
**TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel Occupied Bandwidth**



**TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel Occupied Bandwidth**

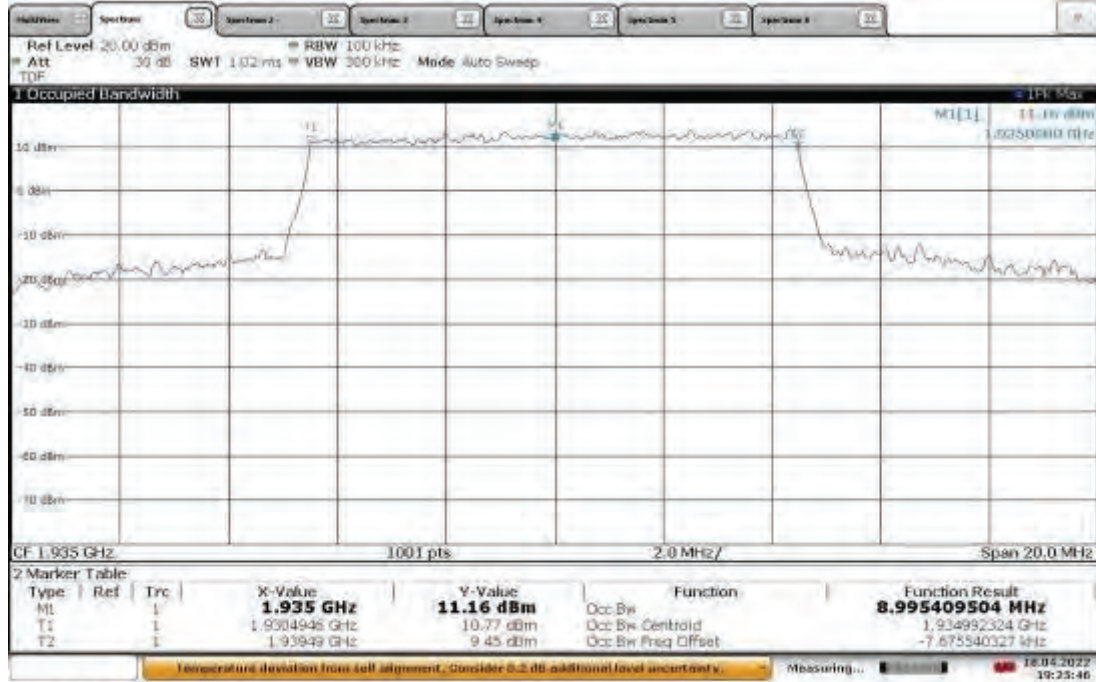


TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel Occupied Bandwidth



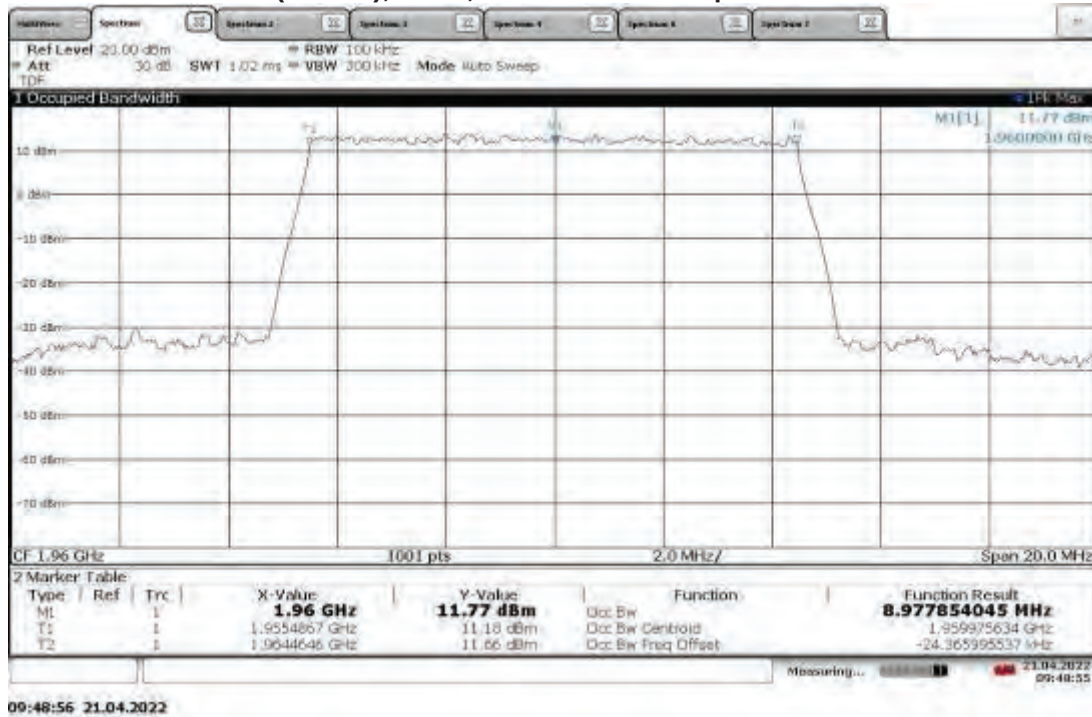
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TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel Occupied Bandwidth

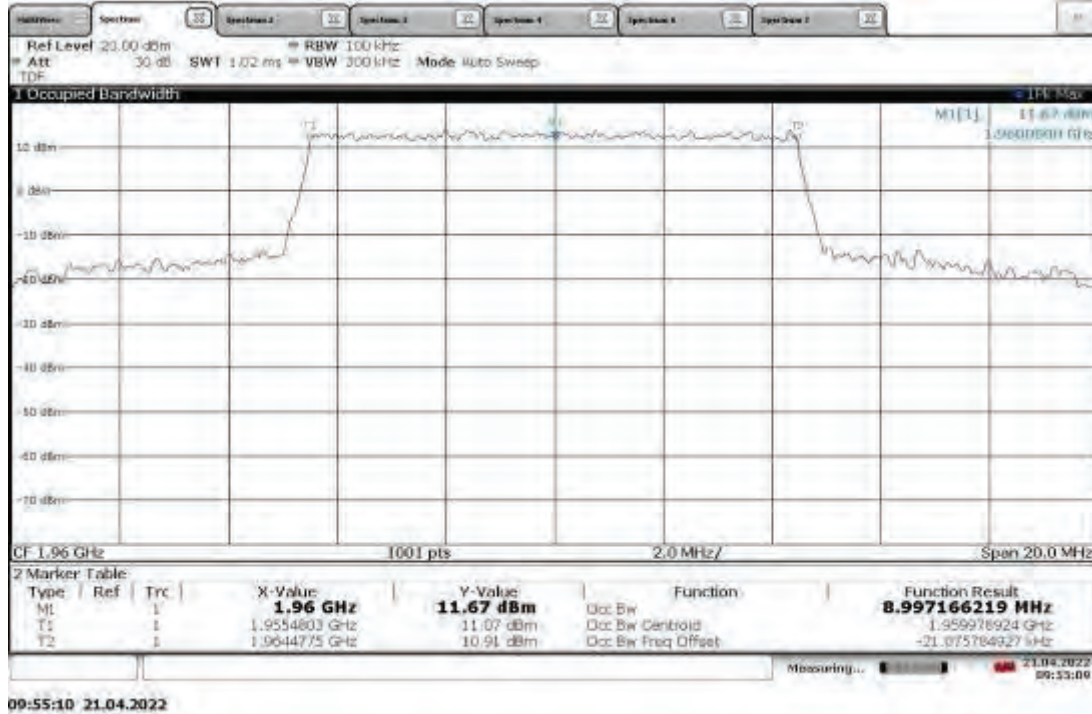


19:25:46 18.04.2022

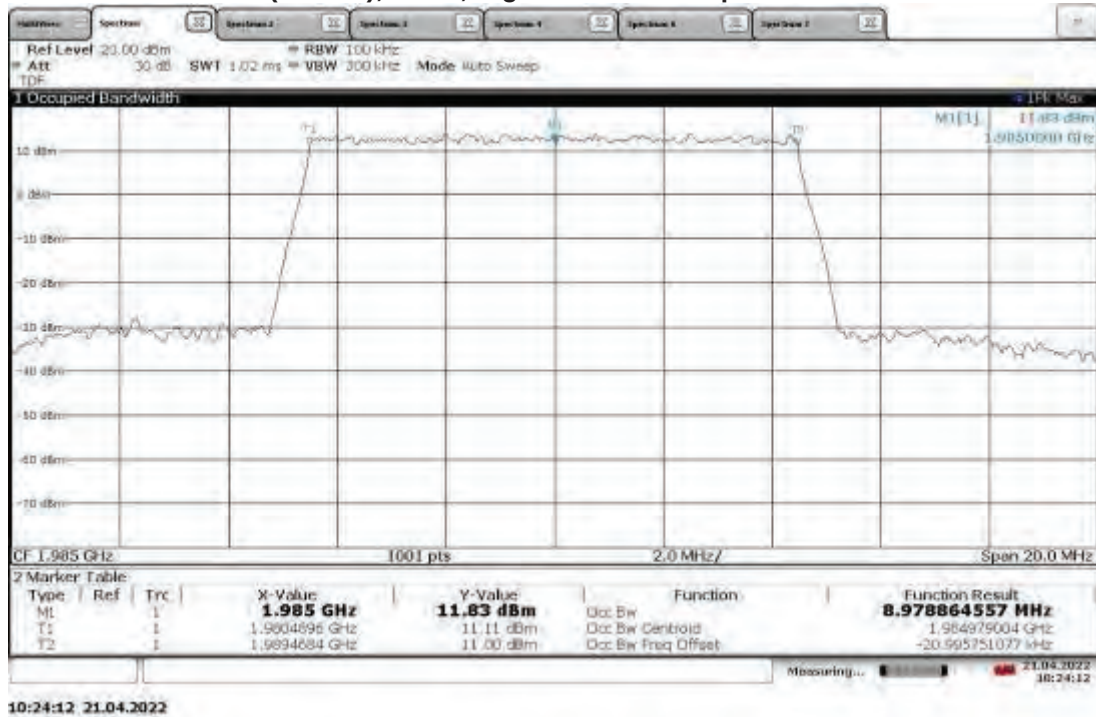
**TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel Occupied Bandwidth**



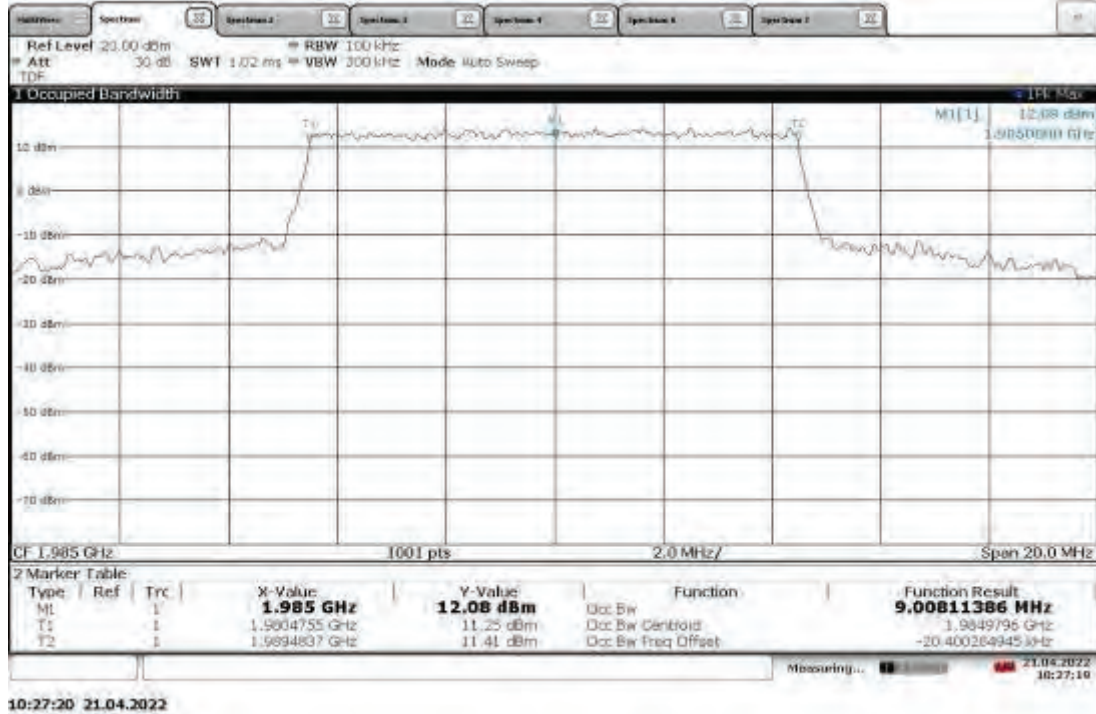
**TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel Occupied Bandwidth**



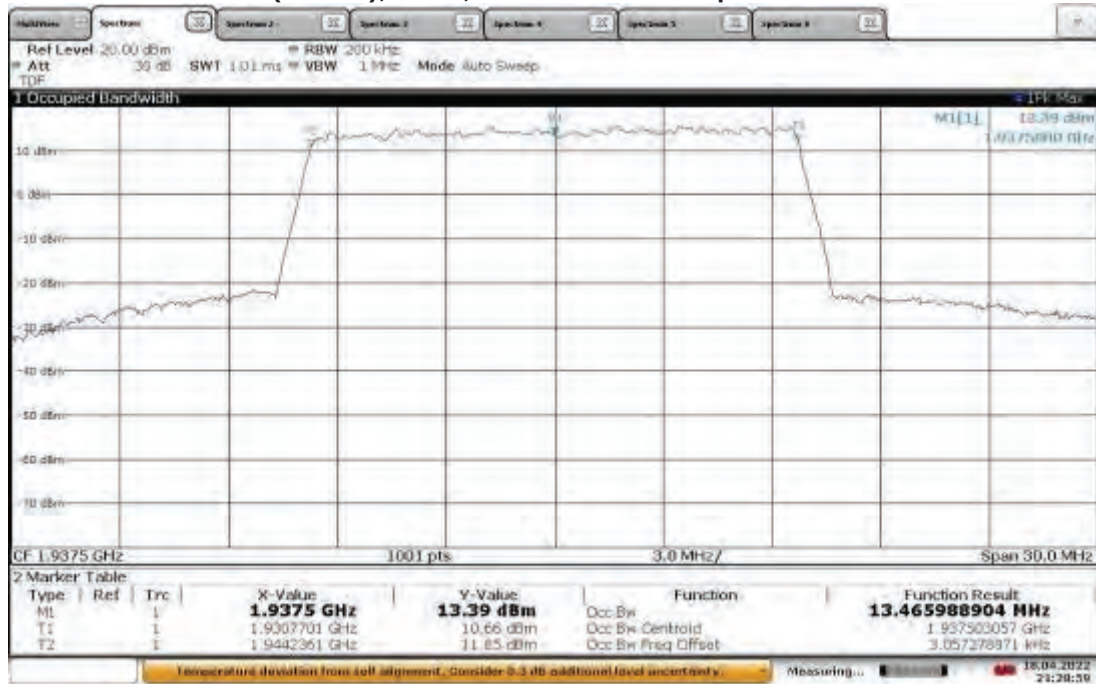
TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel Occupied Bandwidth



TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel Occupied Bandwidth

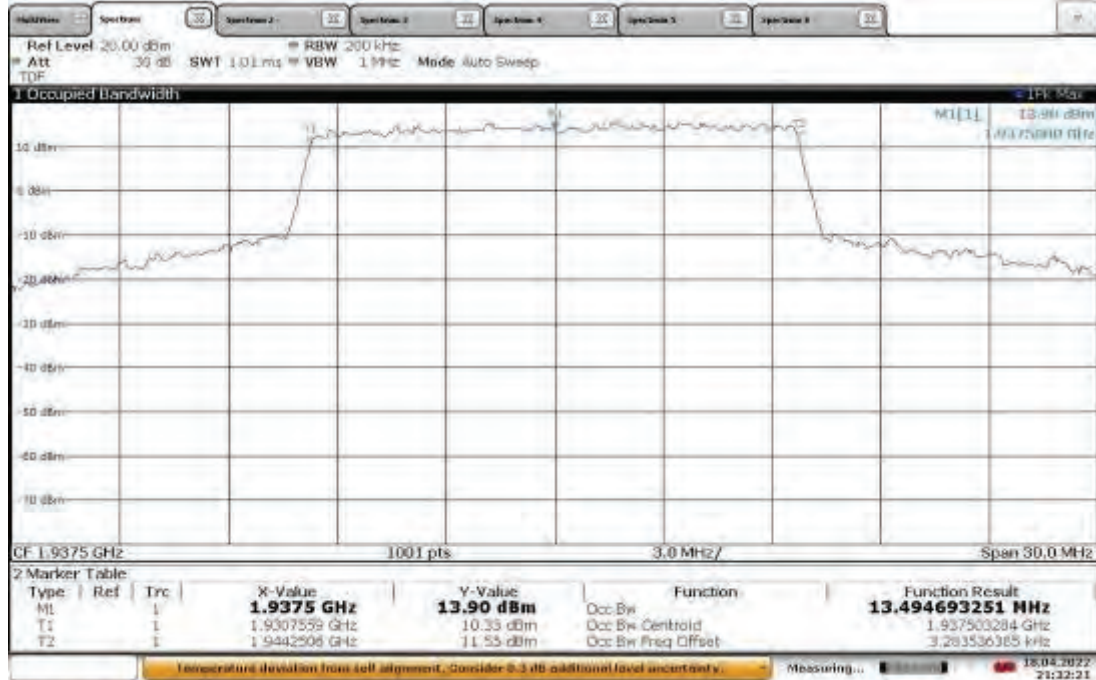


**TM3.1-64QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel Occupied Bandwidth**



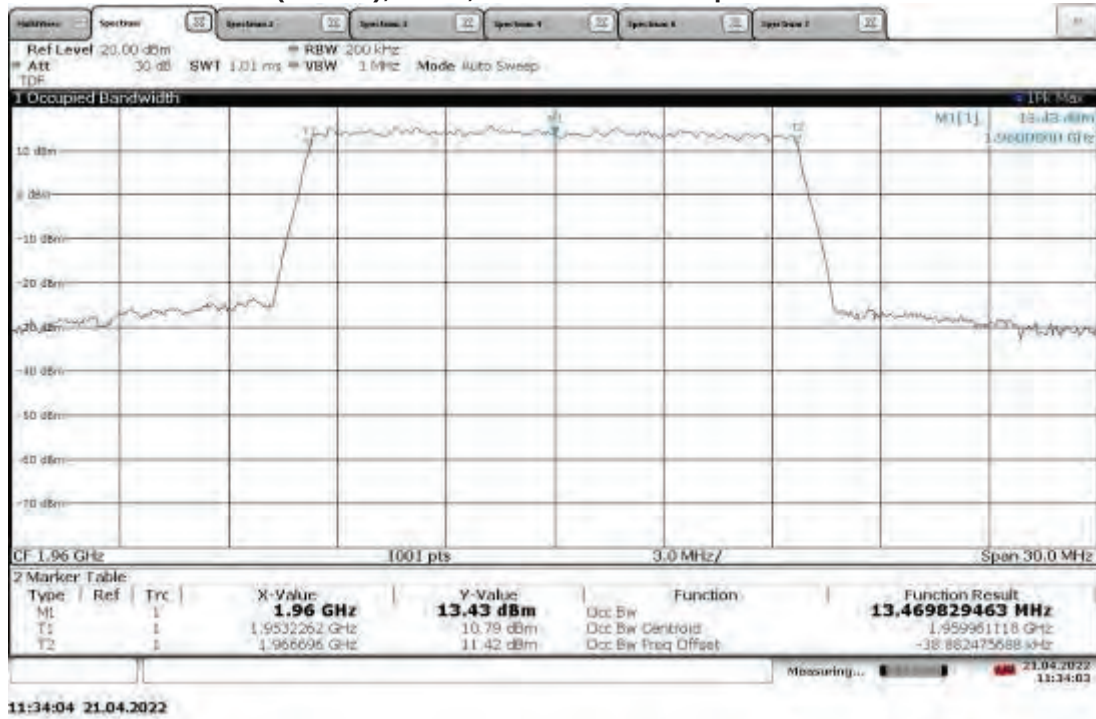
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**TM3.1-64QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel Occupied Bandwidth**

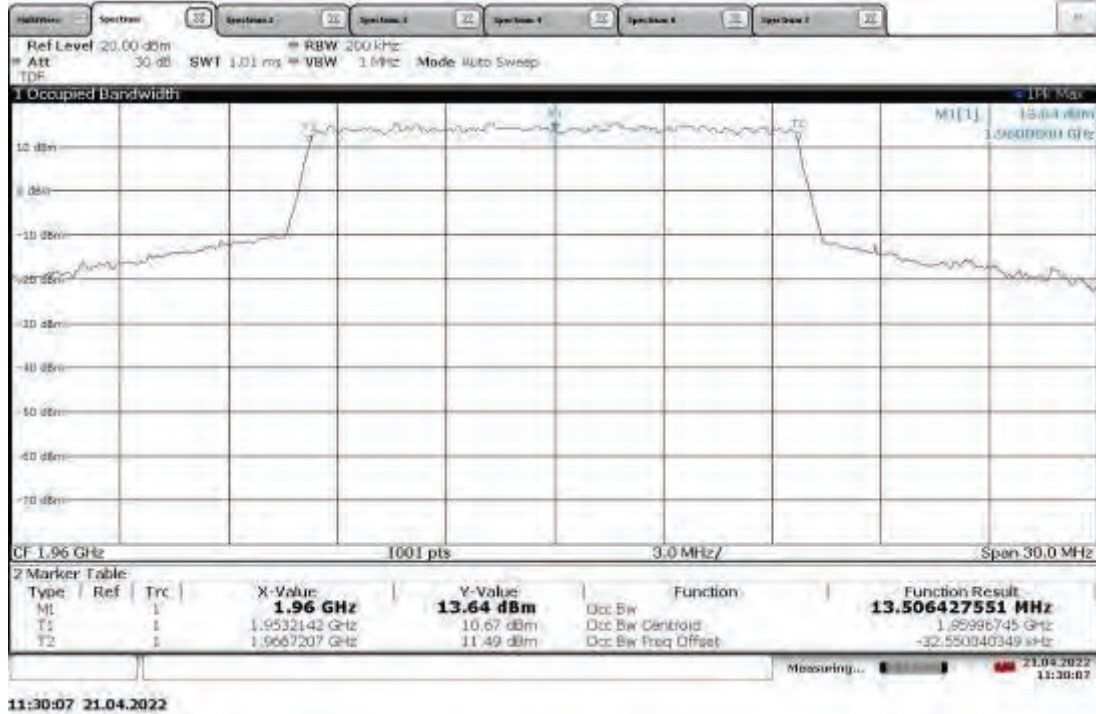


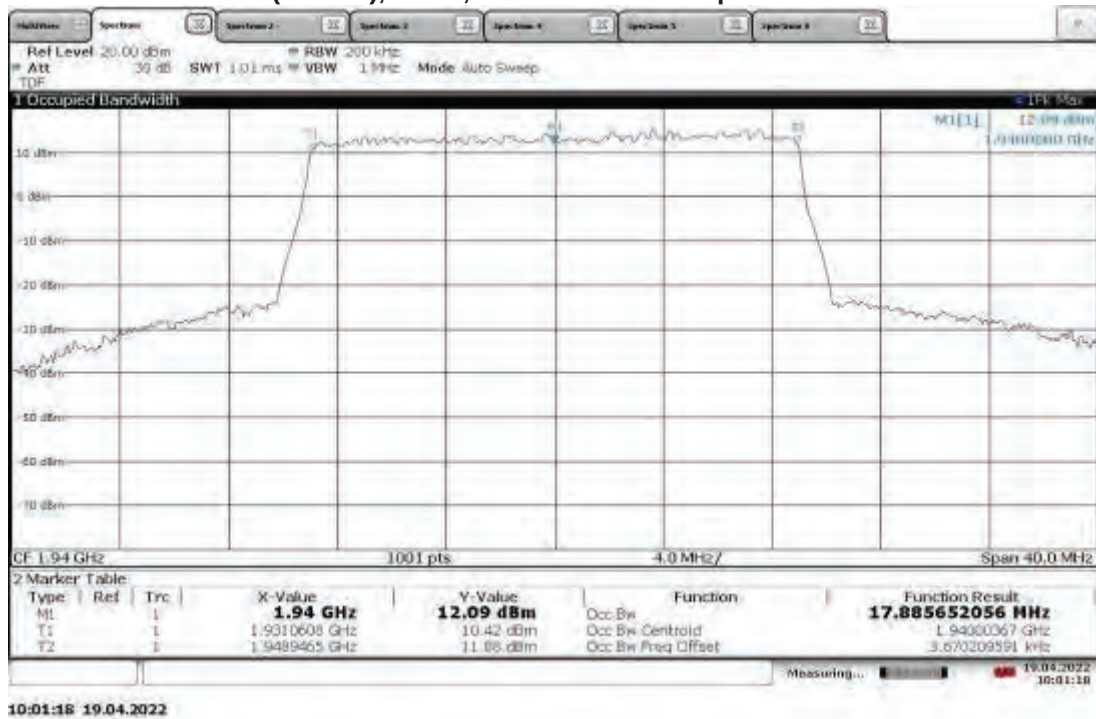
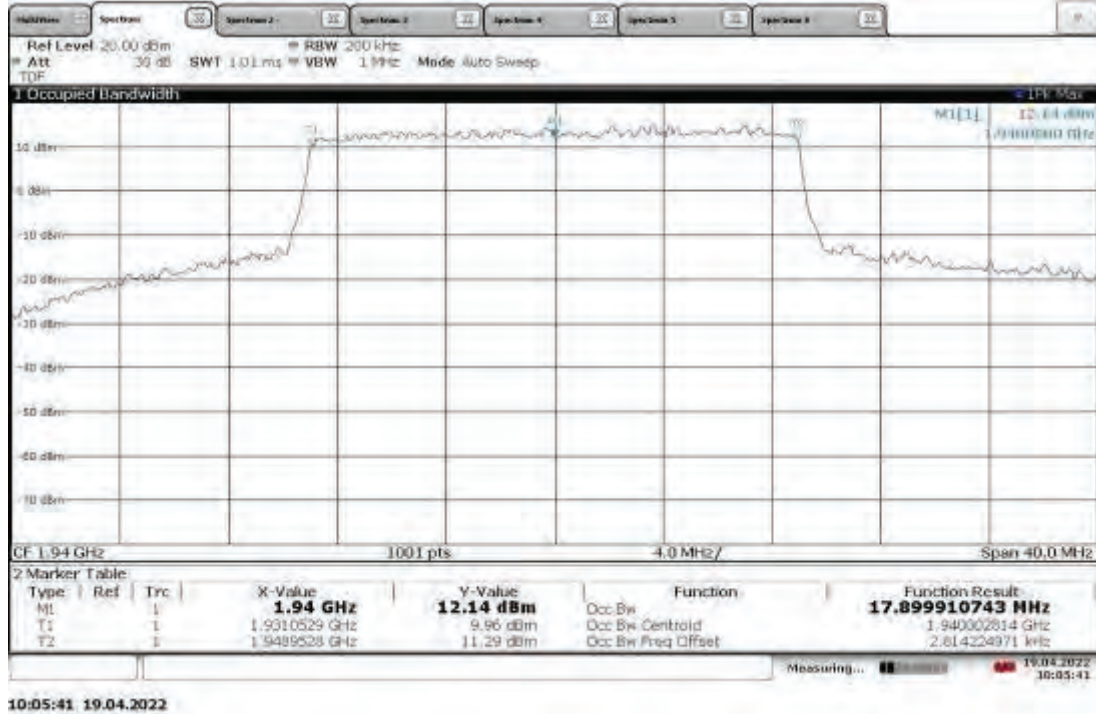
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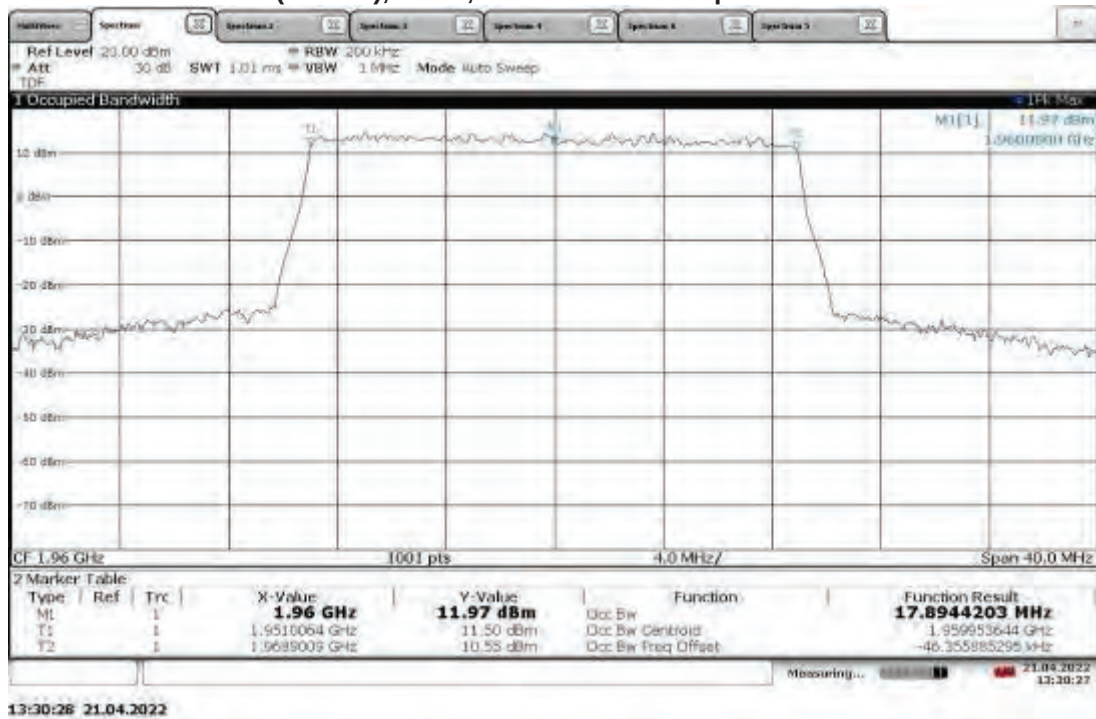
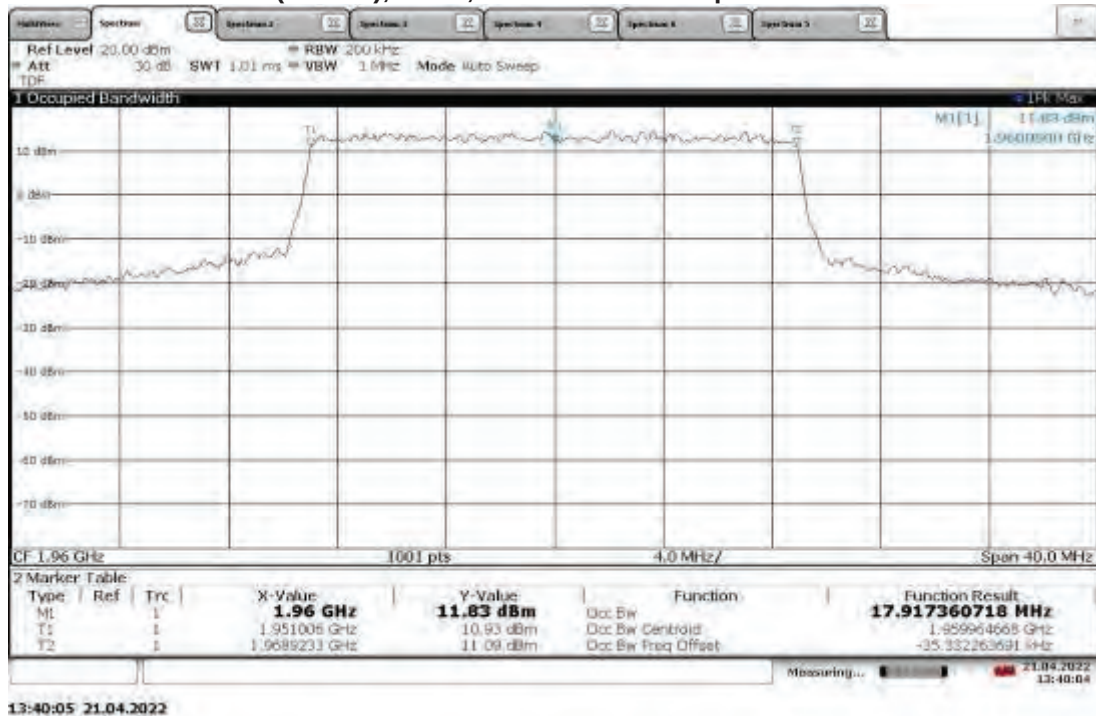
**TM3.1-64QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel Occupied Bandwidth**



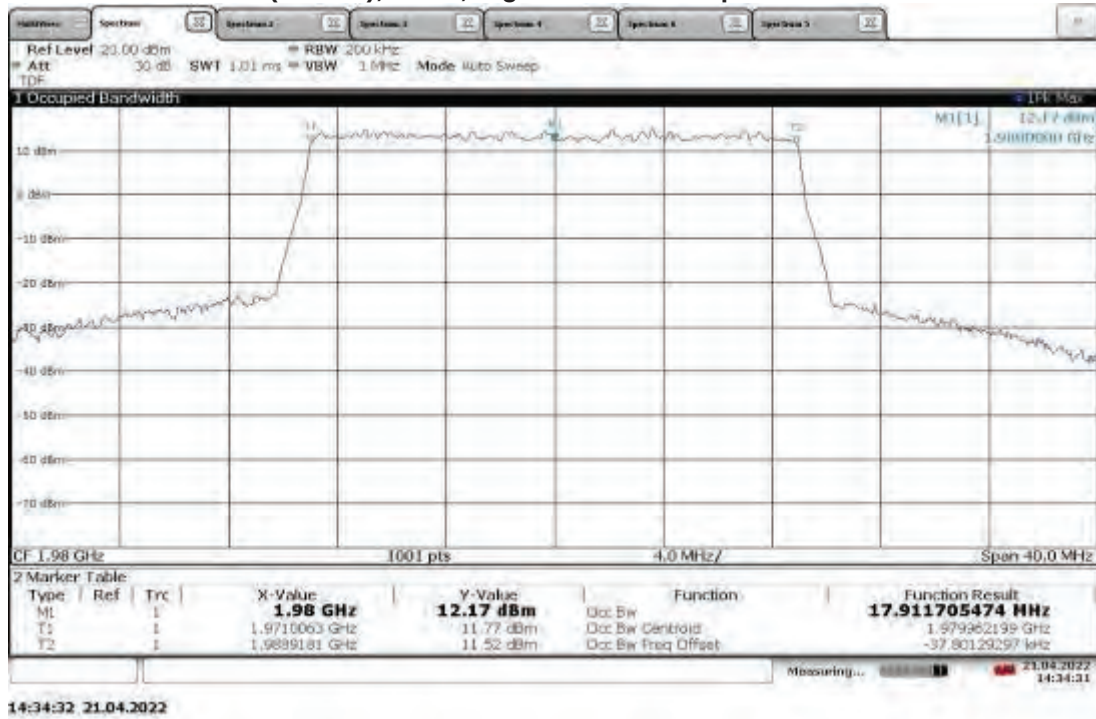
**TM3.1-64QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel Occupied Bandwidth**



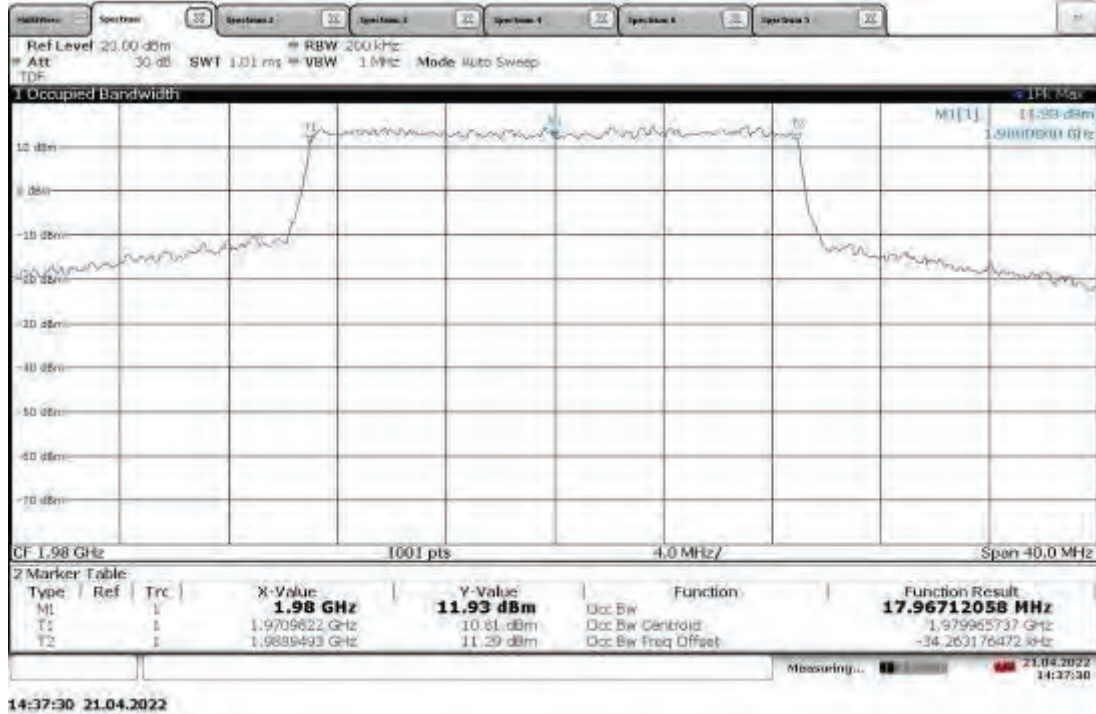
**TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel Occupied Bandwidth****TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel Occupied Bandwidth**

**TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel Occupied Bandwidth****TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel Occupied Bandwidth**

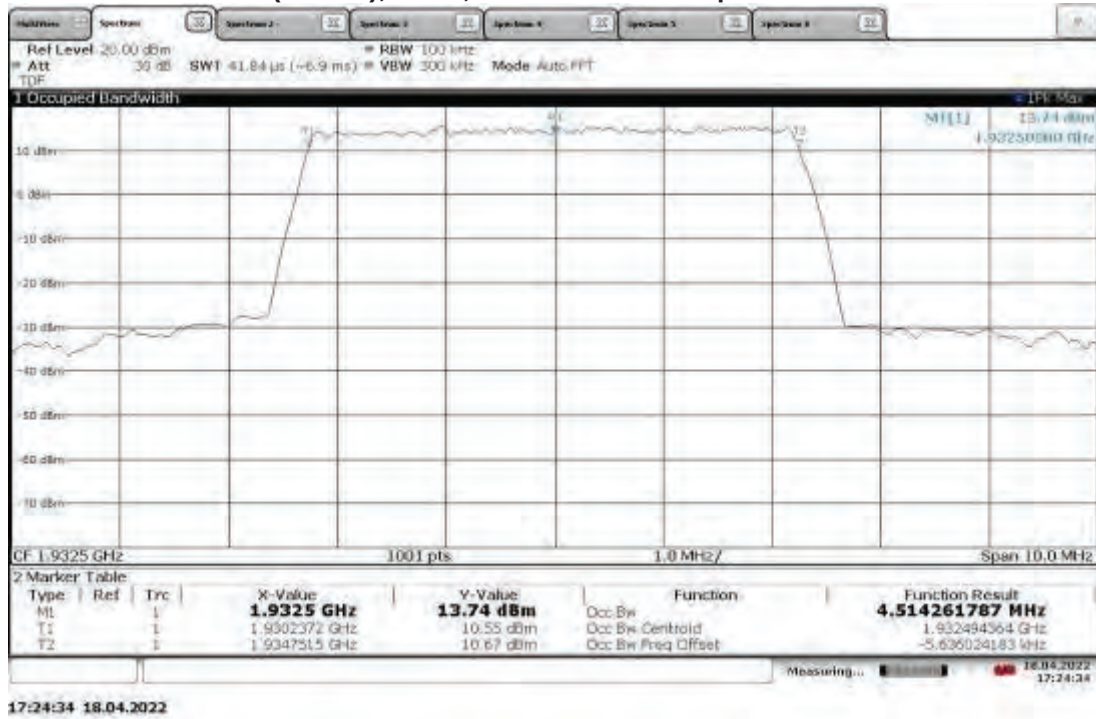
**TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel Occupied Bandwidth**



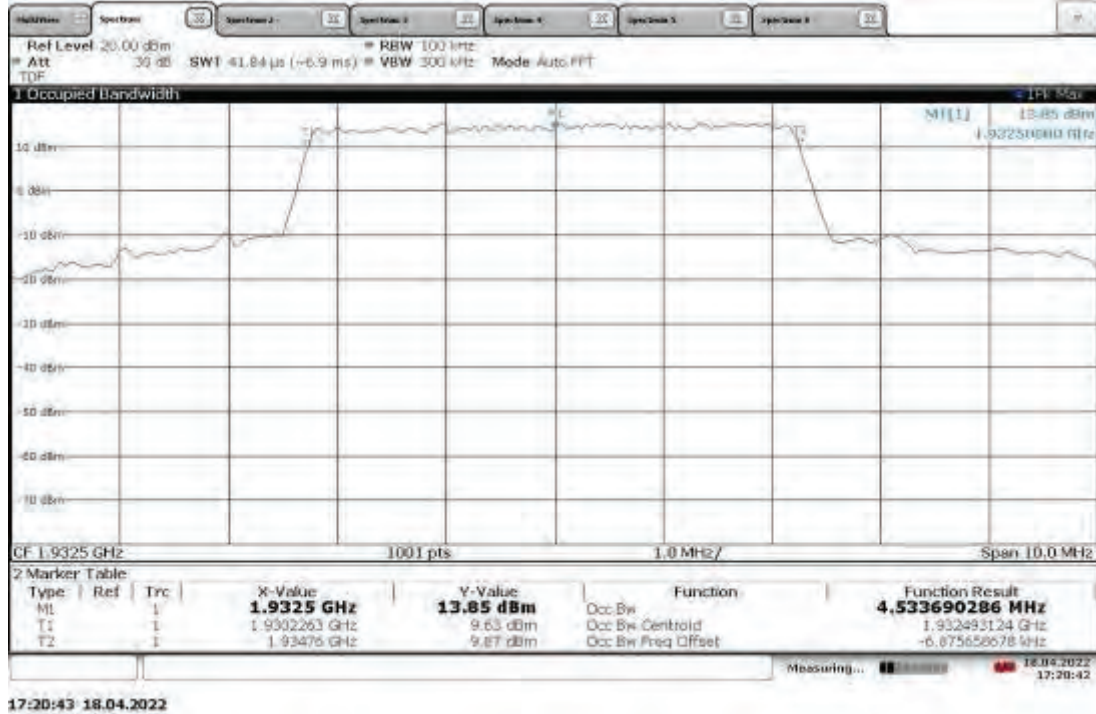
**TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel Occupied Bandwidth**

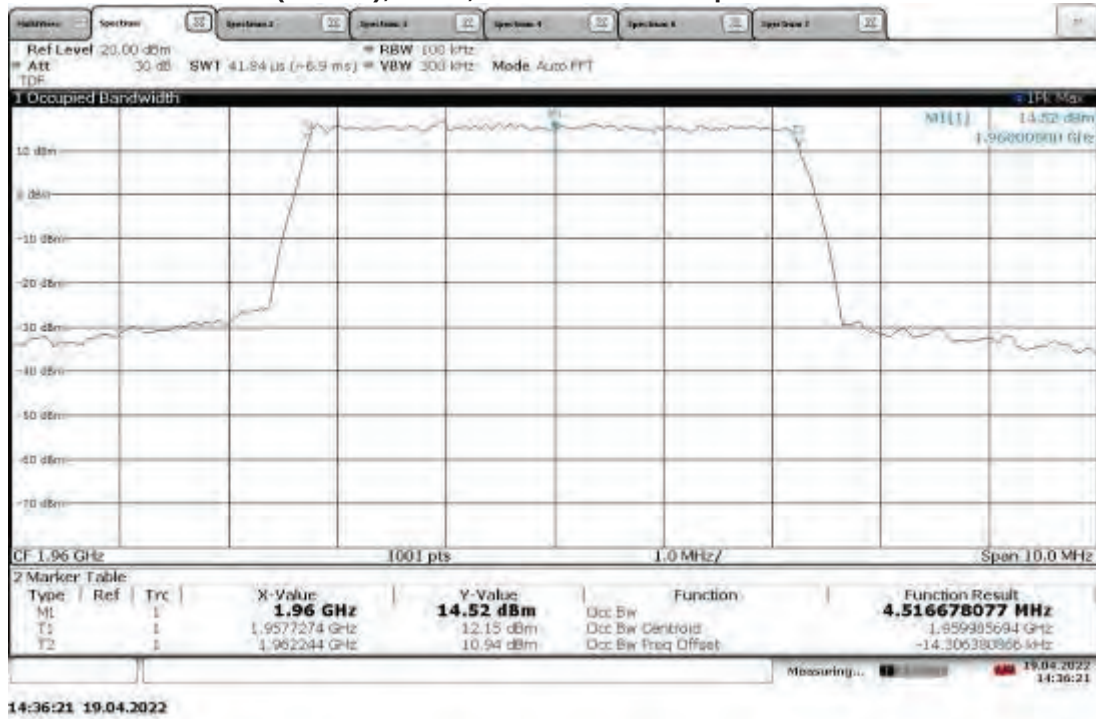
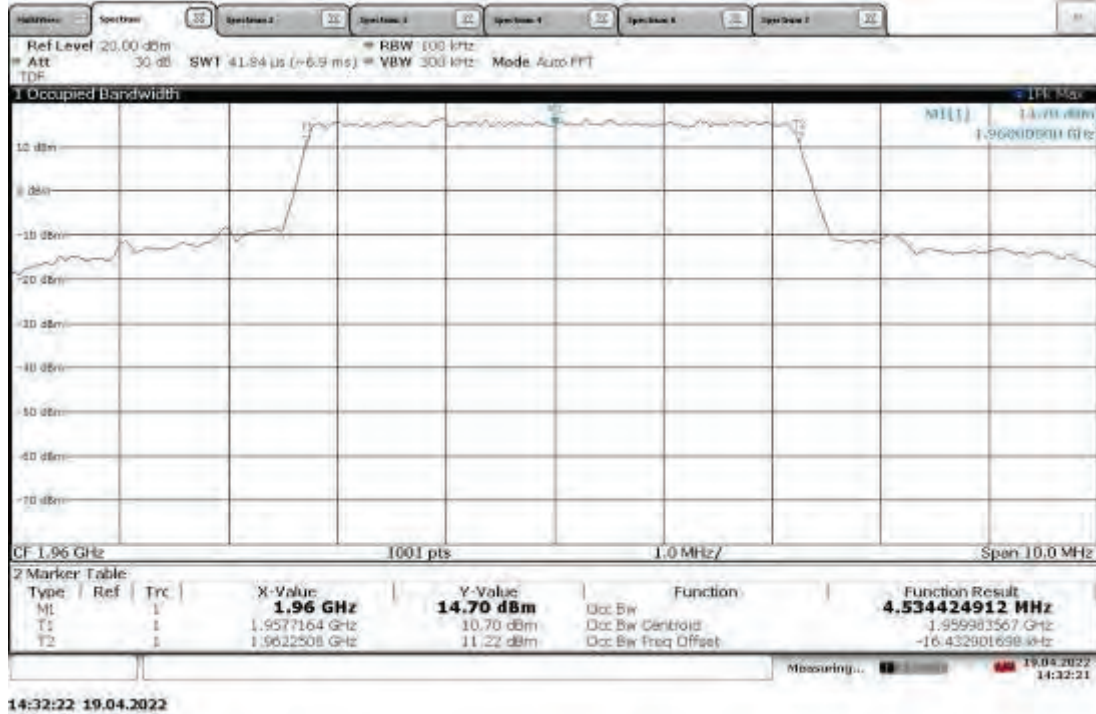


TM3.1a-256QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel Occupied Bandwidth

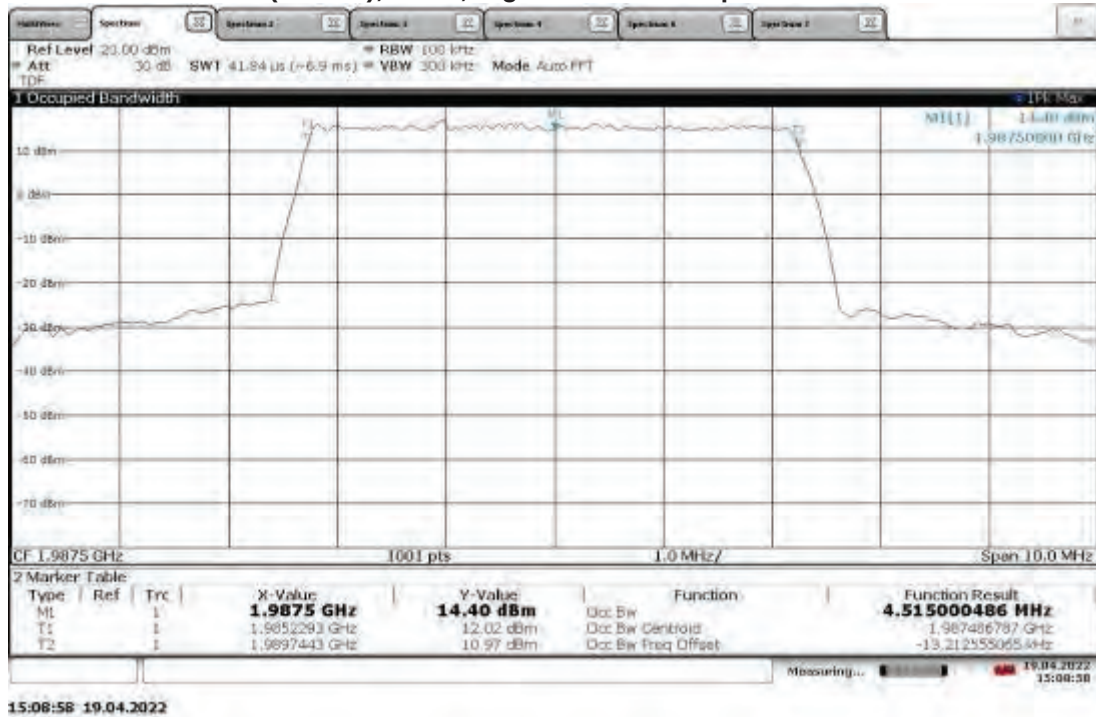


TM3.1a-256QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel Occupied Bandwidth

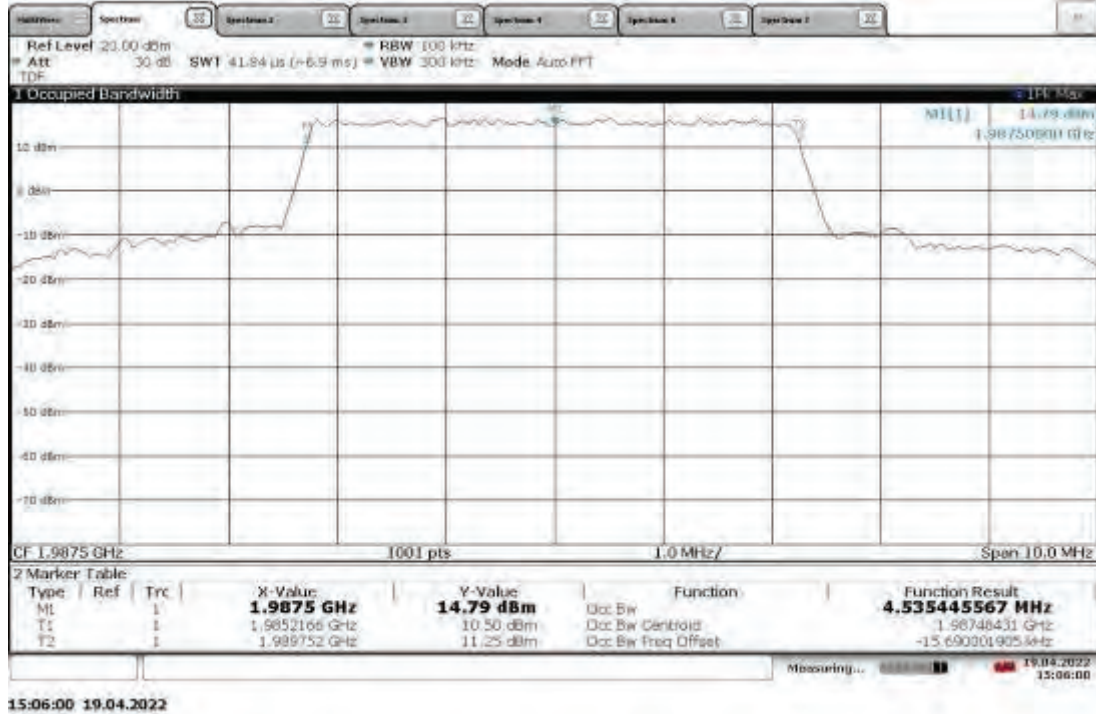


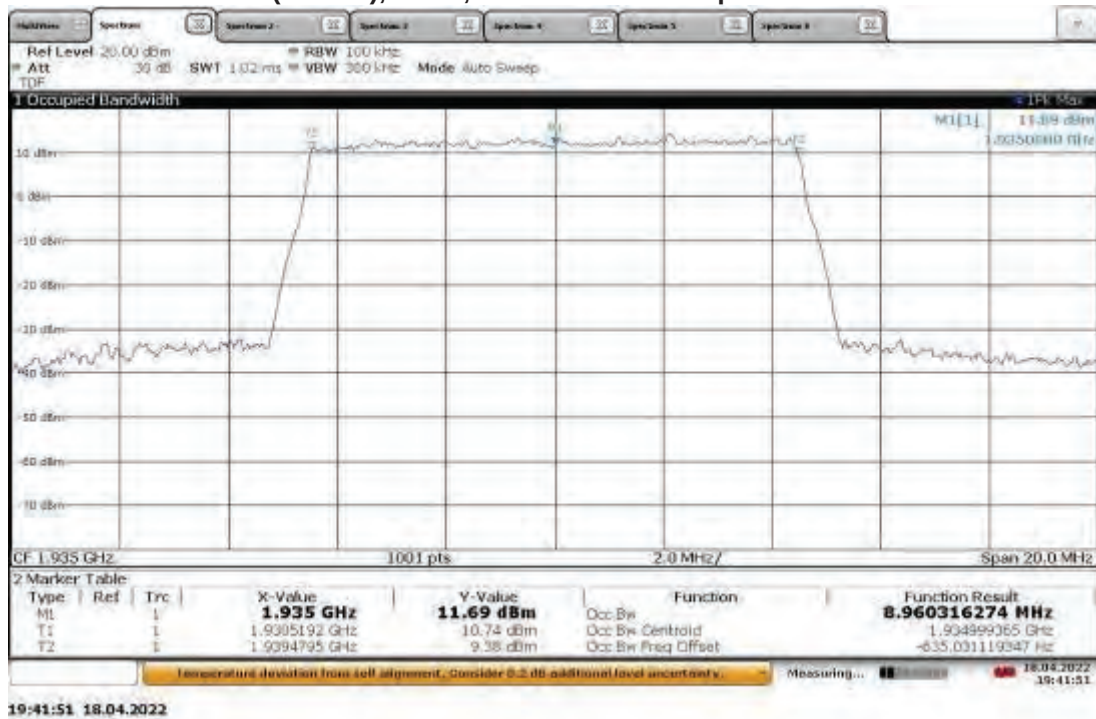
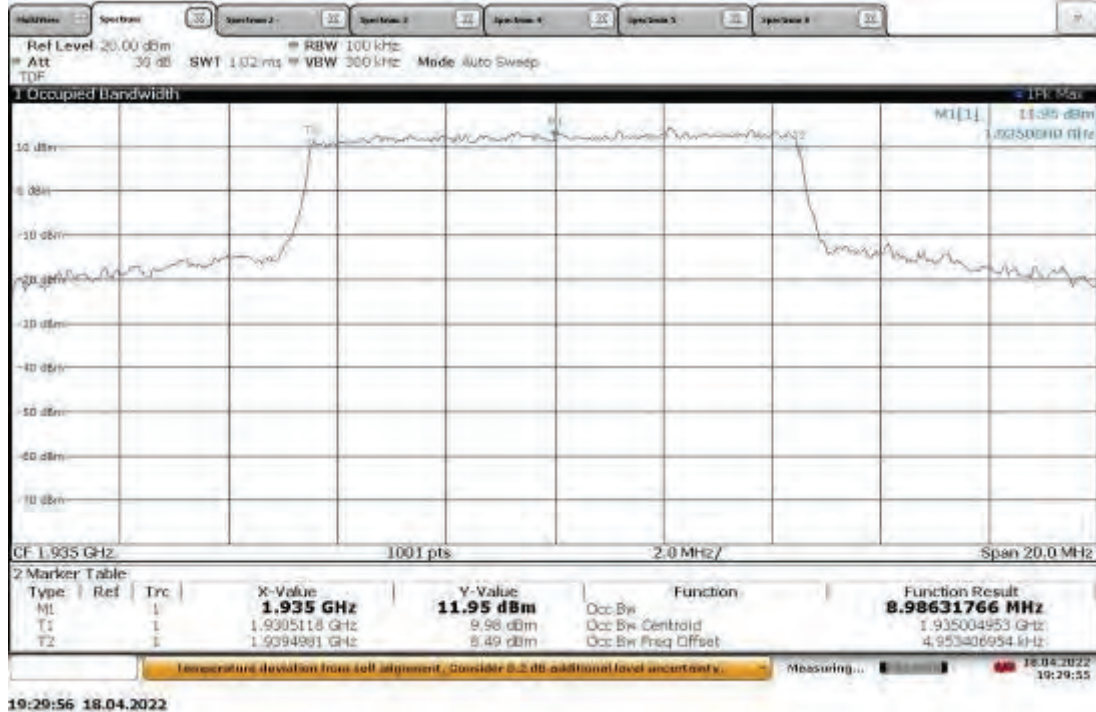
**TM3.1a-256QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel Occupied Bandwidth****TM3.1a-256QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel Occupied Bandwidth**

TM3.1a-256QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel Occupied Bandwidth

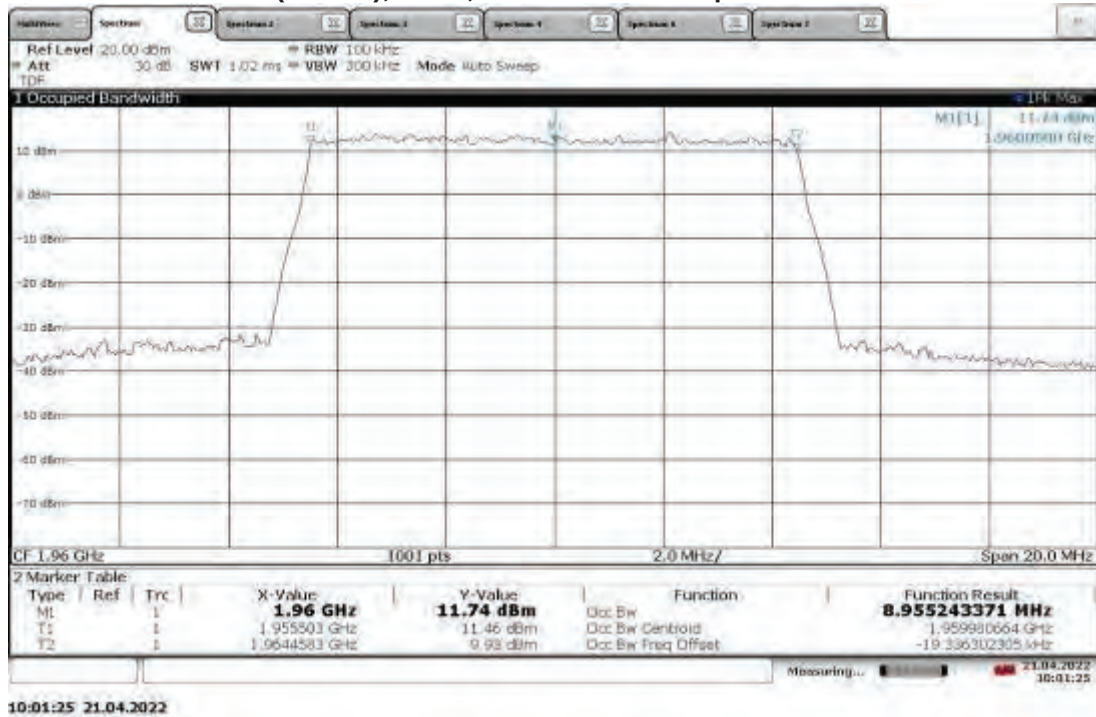


TM3.1a-256QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel Occupied Bandwidth

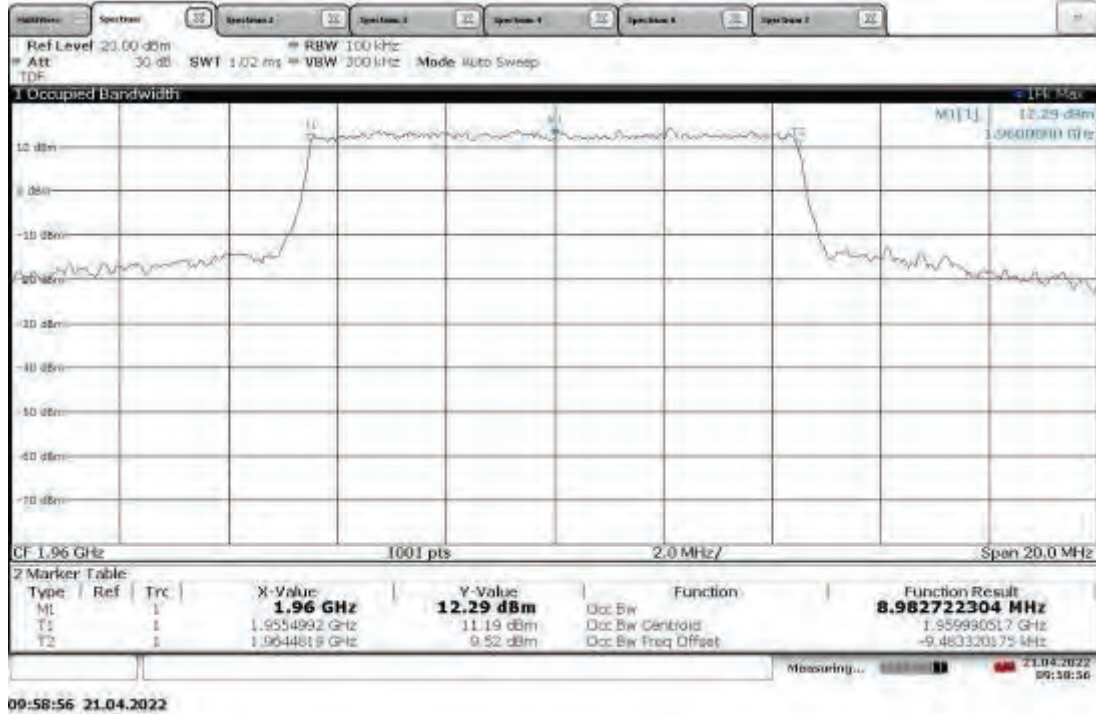


**TM3.1a-256QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel Occupied Bandwidth****TM3.1a-256QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel Occupied Bandwidth**

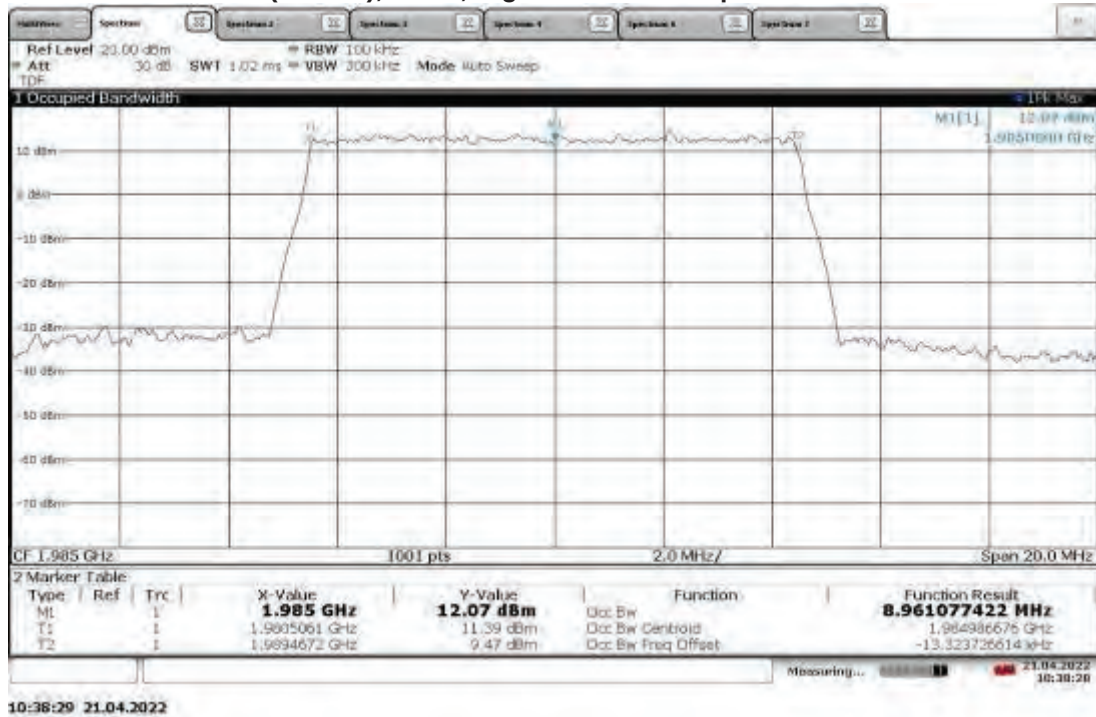
**TM3.1a-256QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel Occupied Bandwidth**



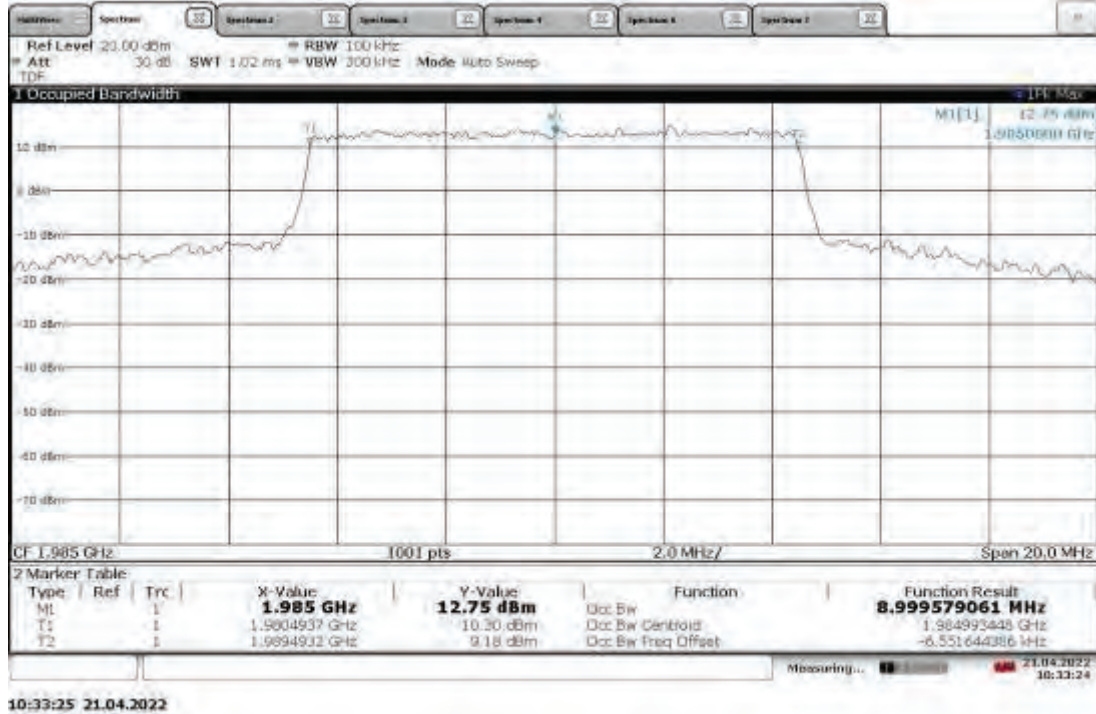
**TM3.1a-256QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel Occupied Bandwidth**



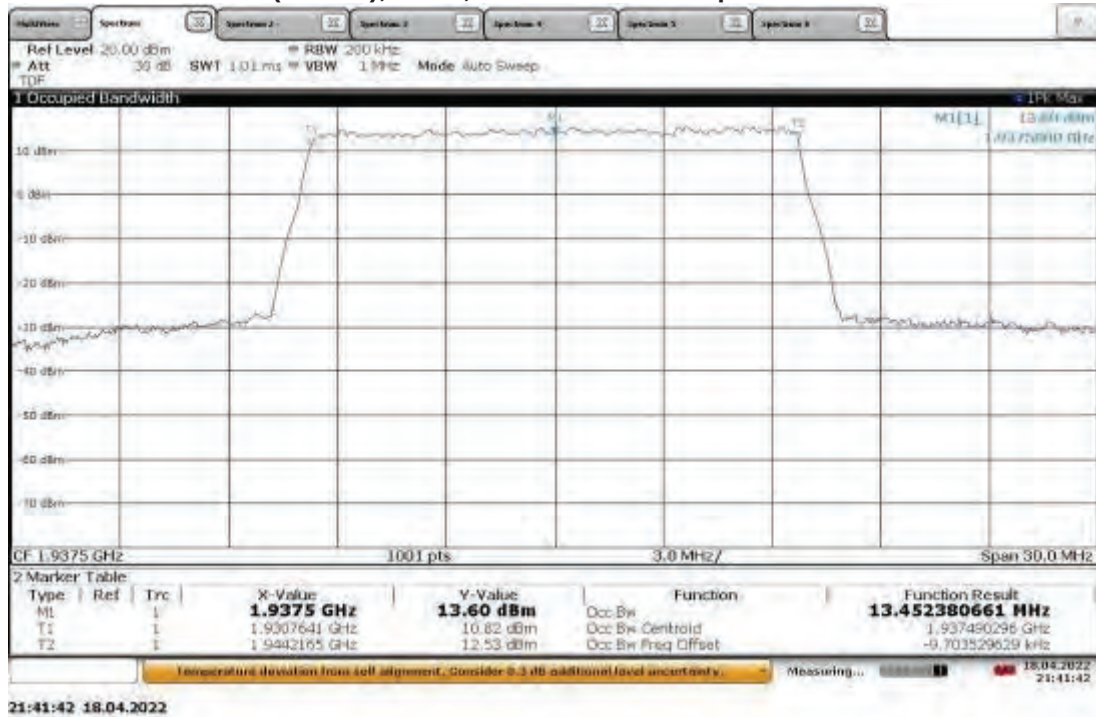
TM3.1a-256QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel Occupied Bandwidth



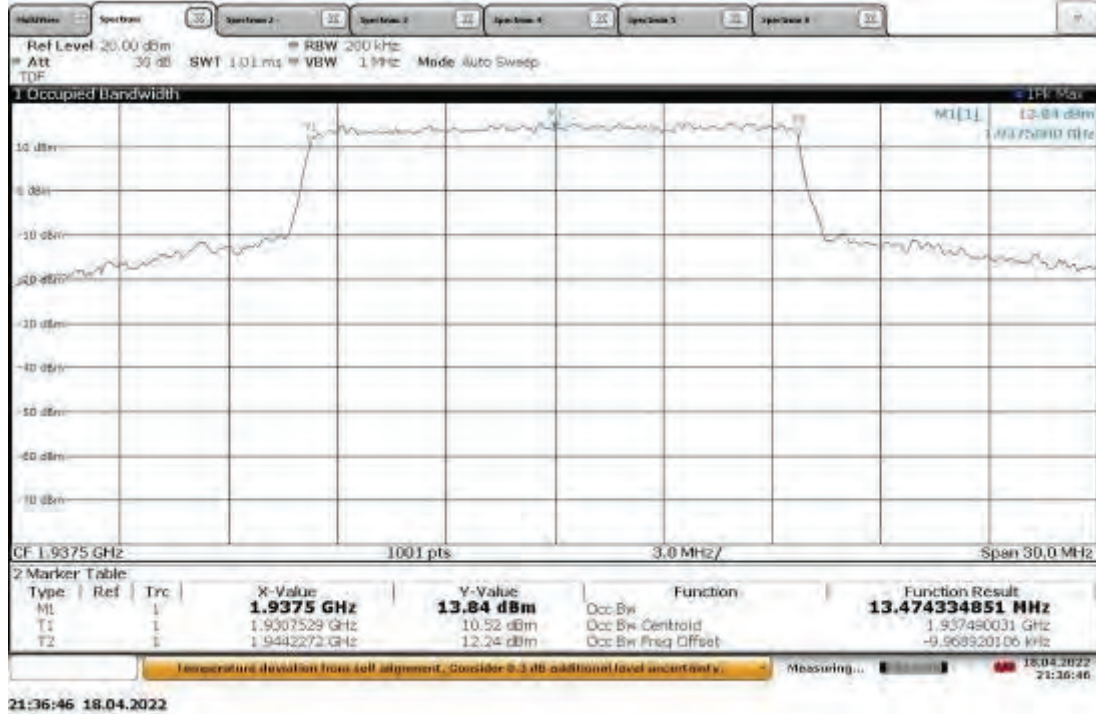
TM3.1a-256QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel Occupied Bandwidth



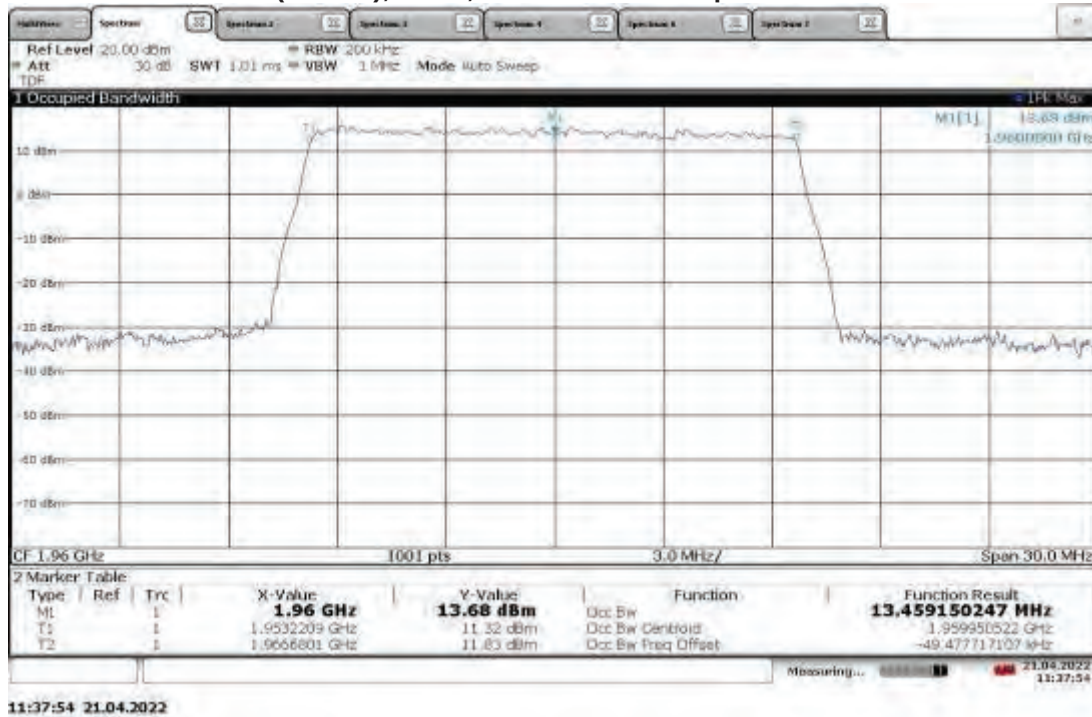
TM3.1a-256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel Occupied Bandwidth



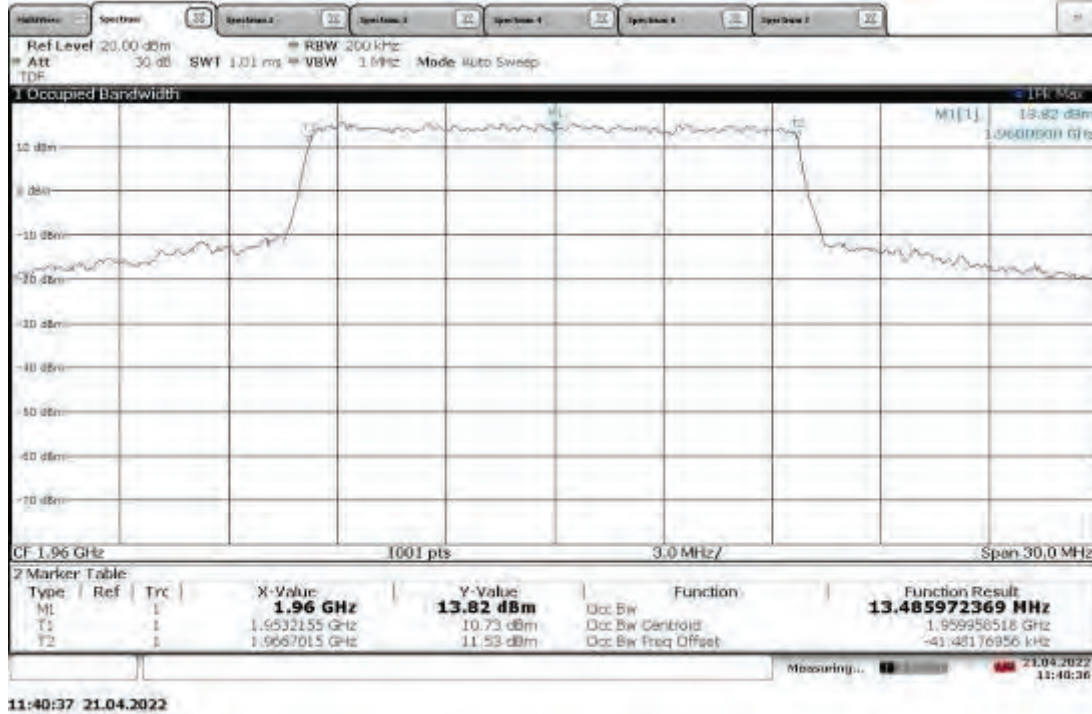
TM3.1a-256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel Occupied Bandwidth



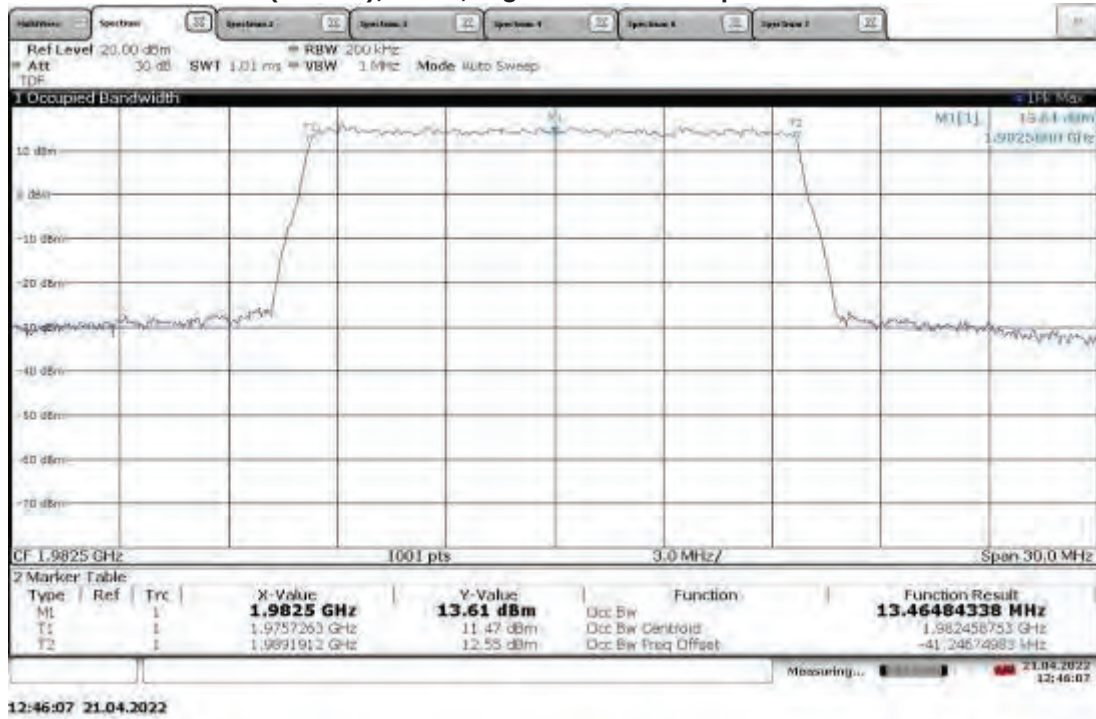
**TM3.1a-256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel Occupied Bandwidth**



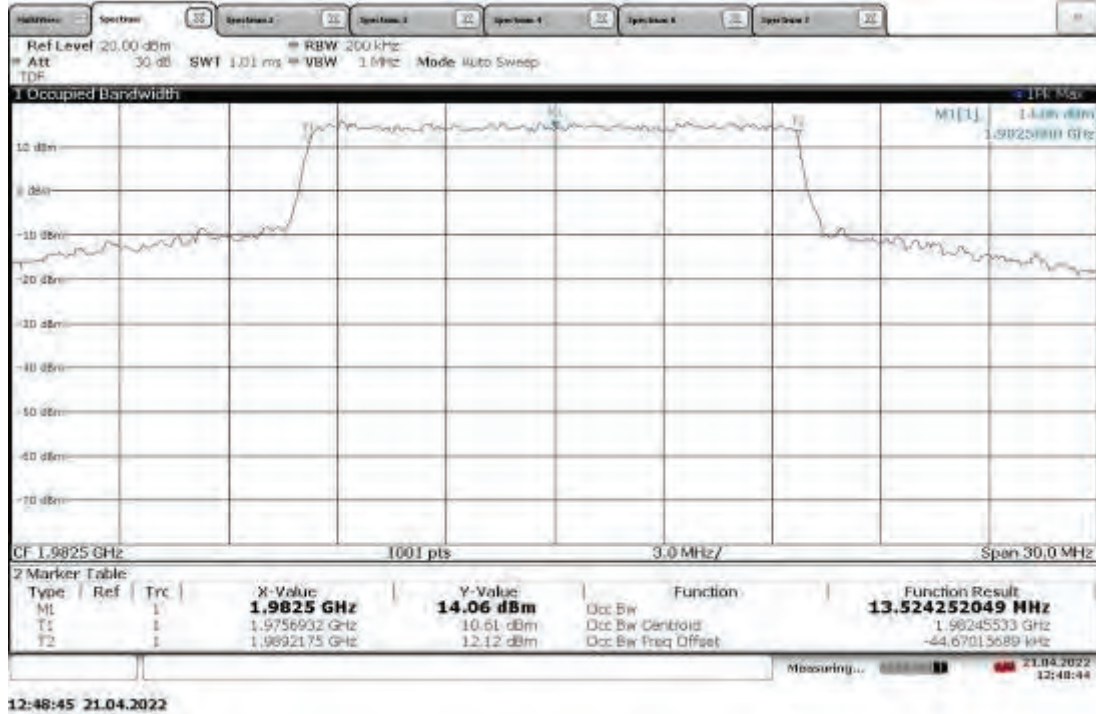
**TM3.1a-256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel Occupied Bandwidth**



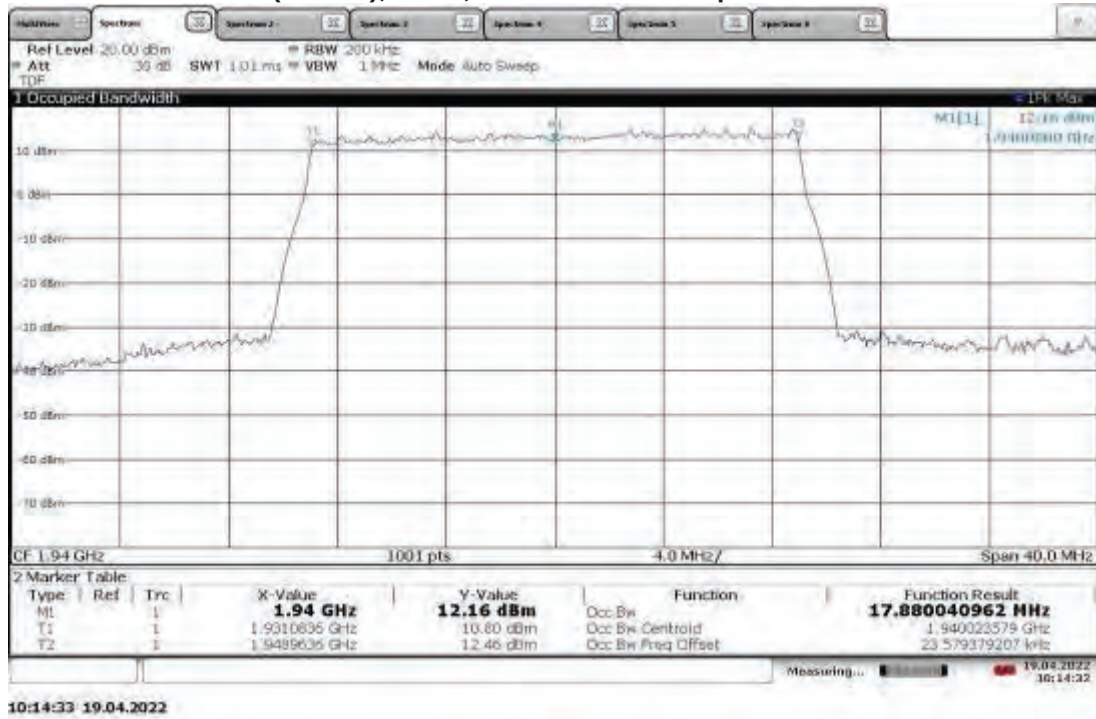
**TM3.1a-256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel Occupied Bandwidth**



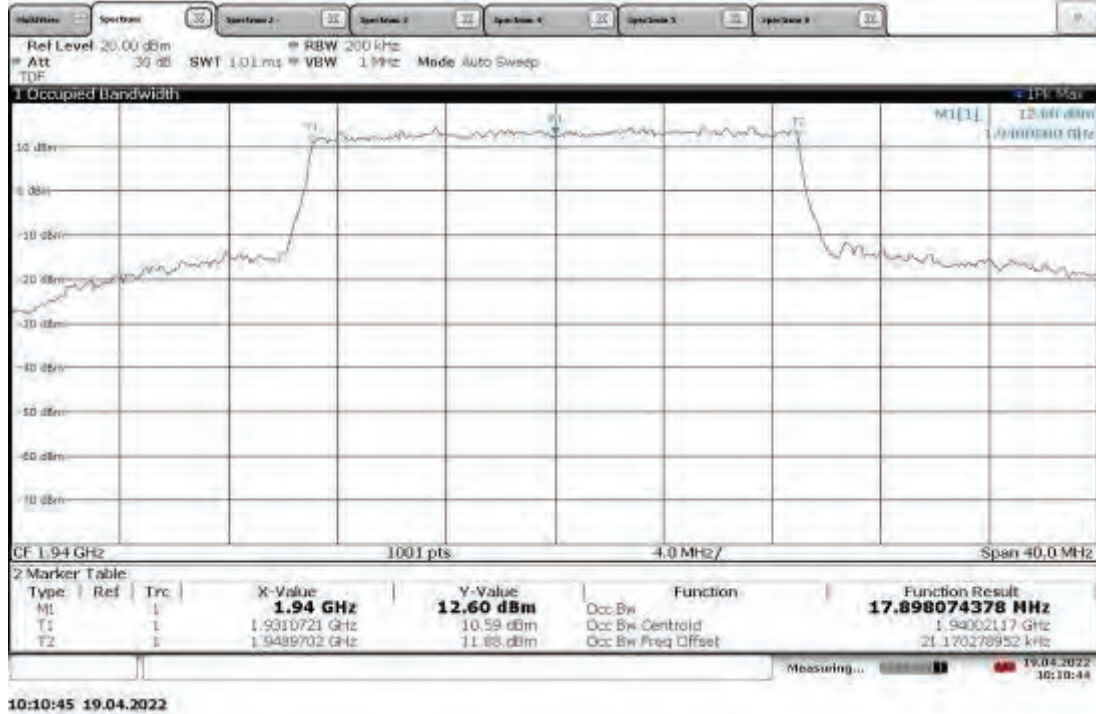
**TM3.1a-256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel Occupied Bandwidth**



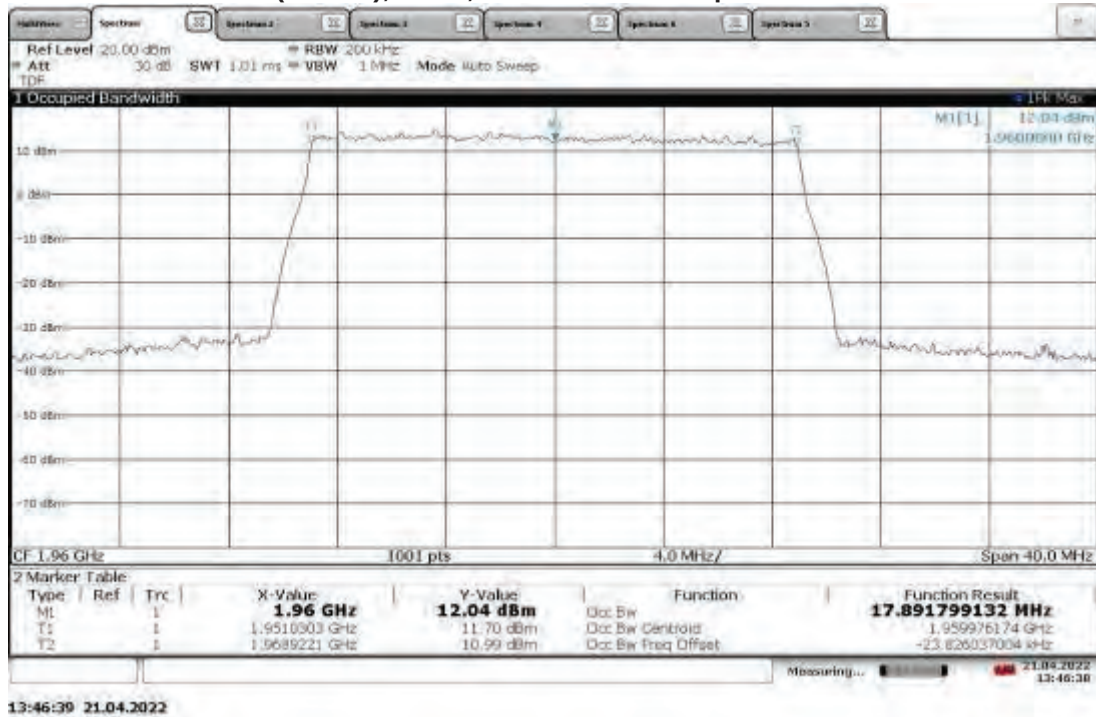
TM3.1a-256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel Occupied Bandwidth



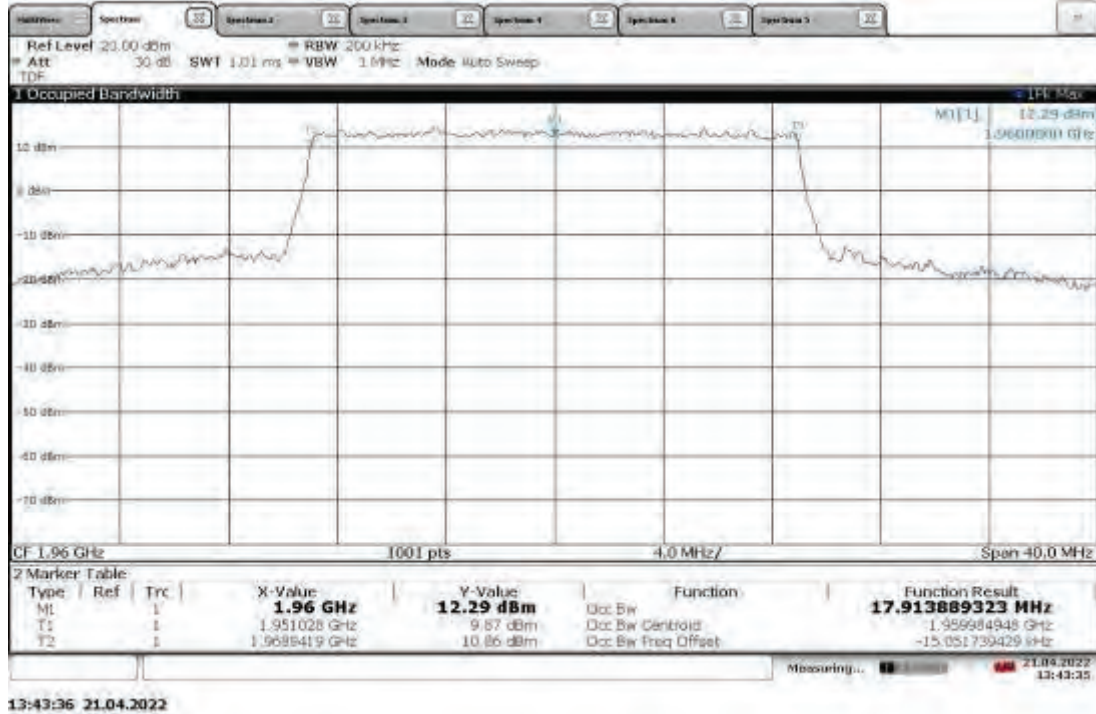
TM3.1a-256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel Occupied Bandwidth

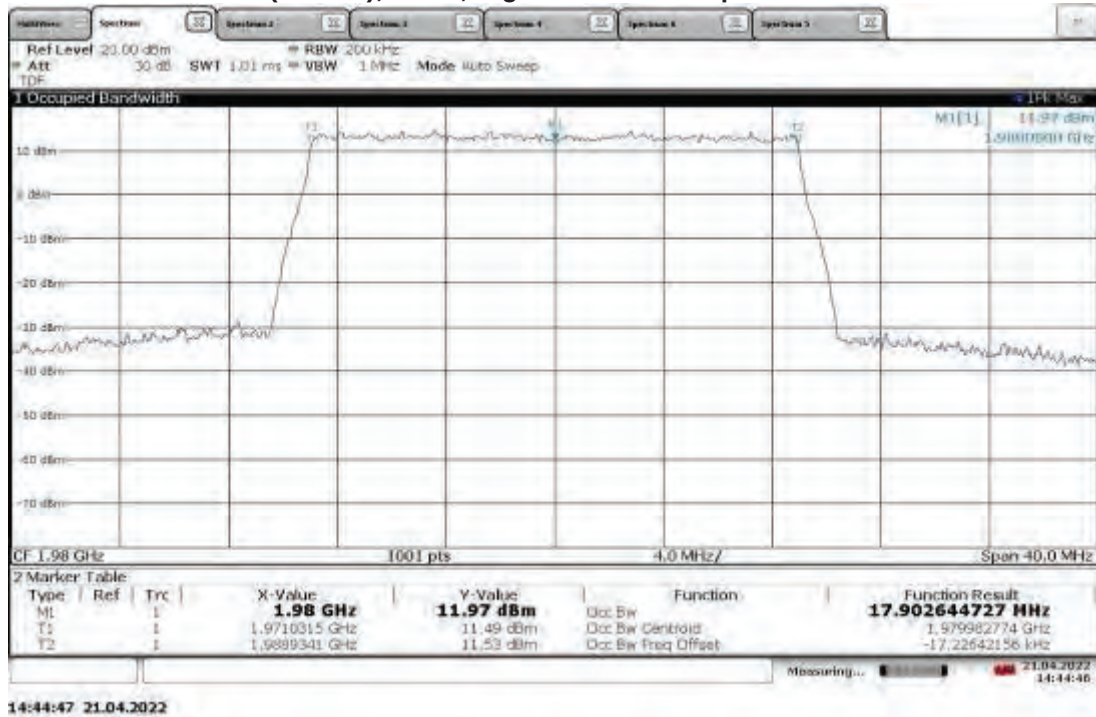
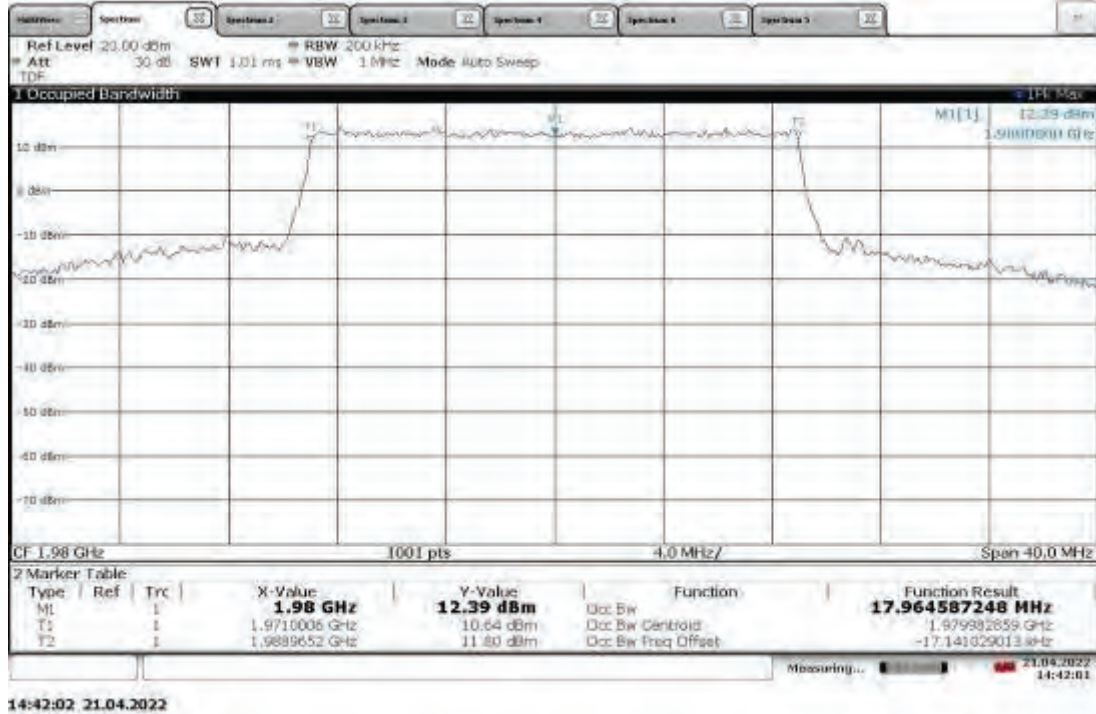


**TM3.1a-256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel Occupied Bandwidth**

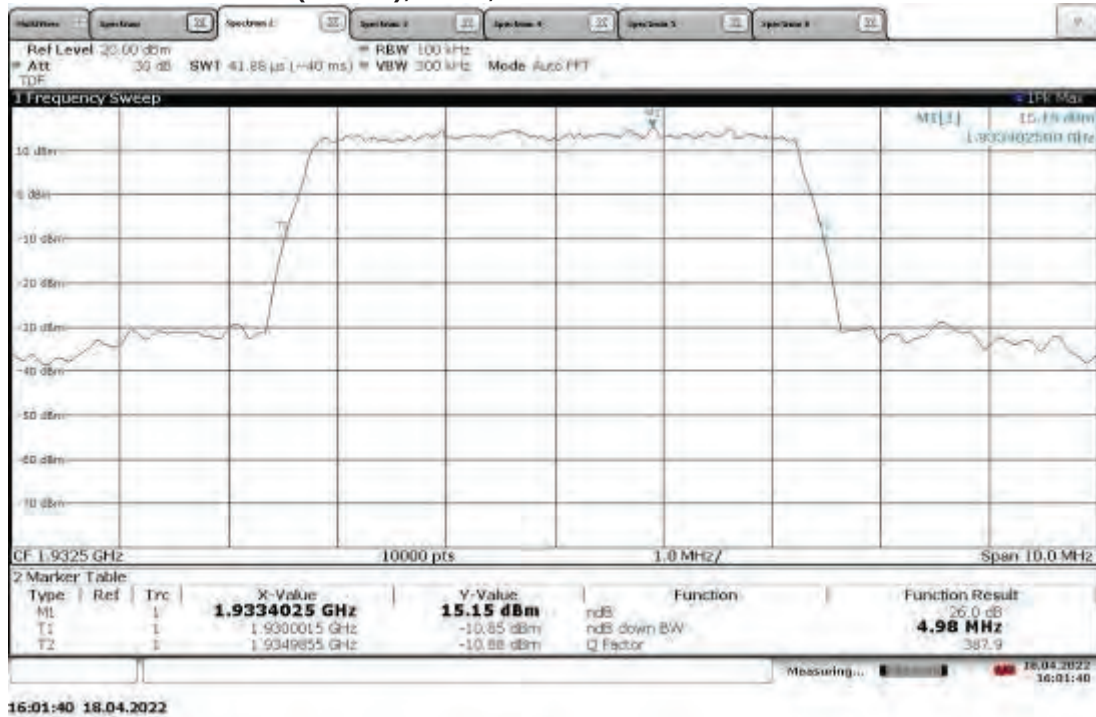


**TM3.1a-256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel Occupied Bandwidth**

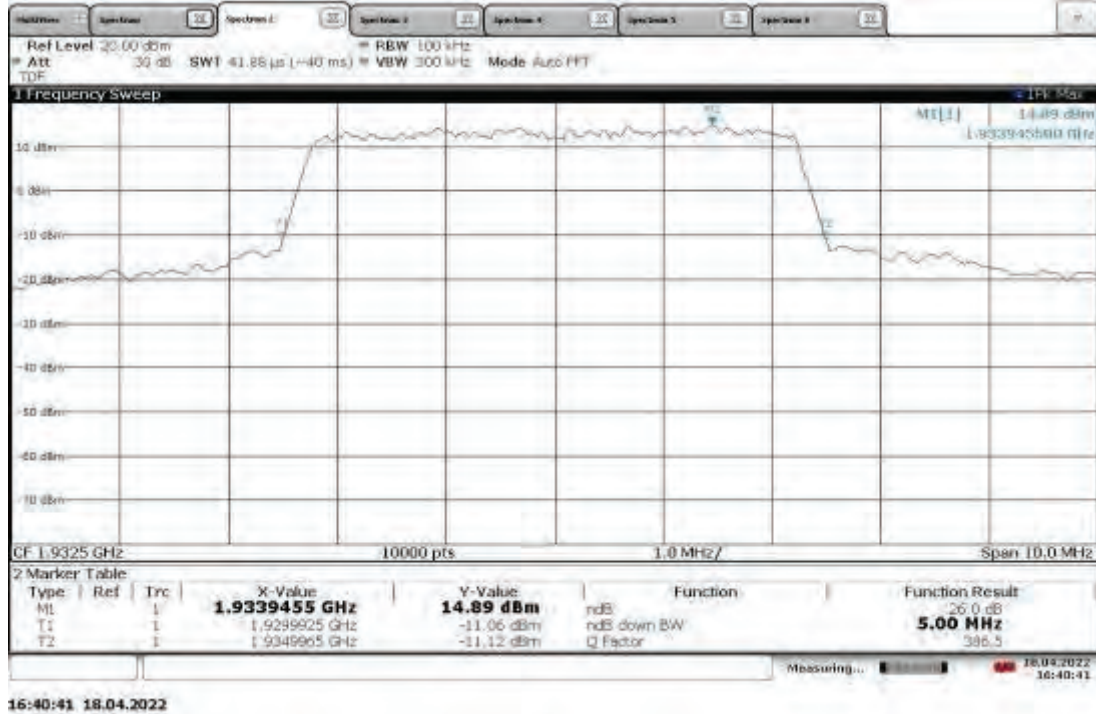


**TM3.1a-256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel Occupied Bandwidth****TM3.1a-256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel Occupied Bandwidth**

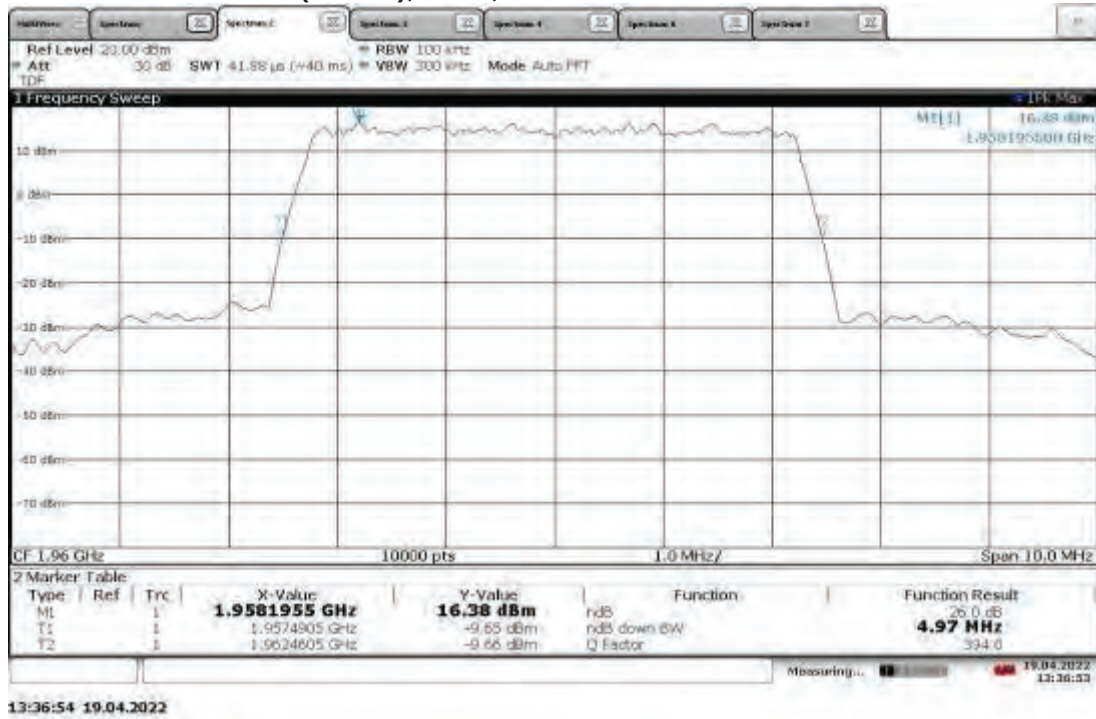
QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel 26 dB Bandwidth



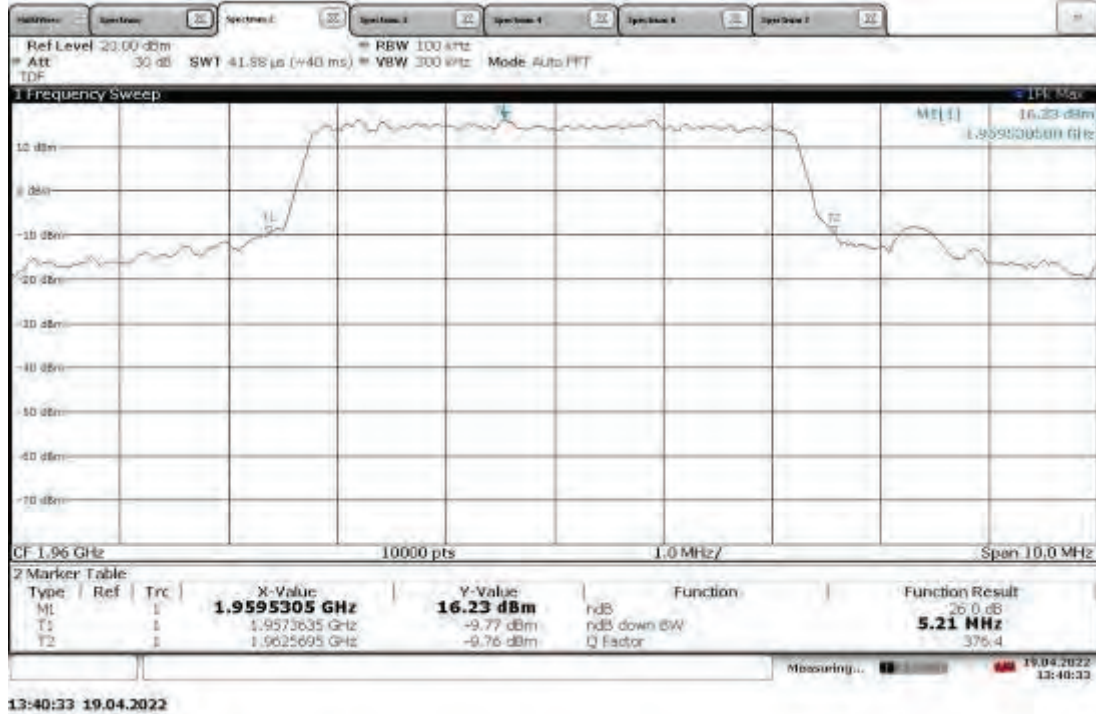
TM1.1-QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel 26 dB Bandwidth

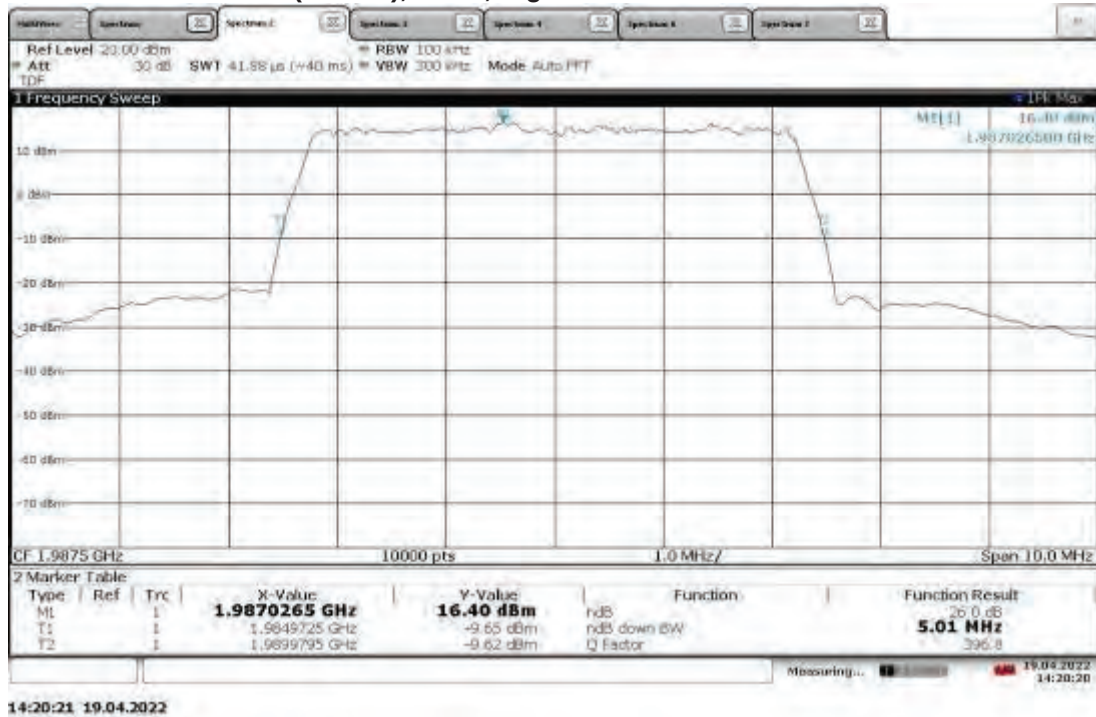
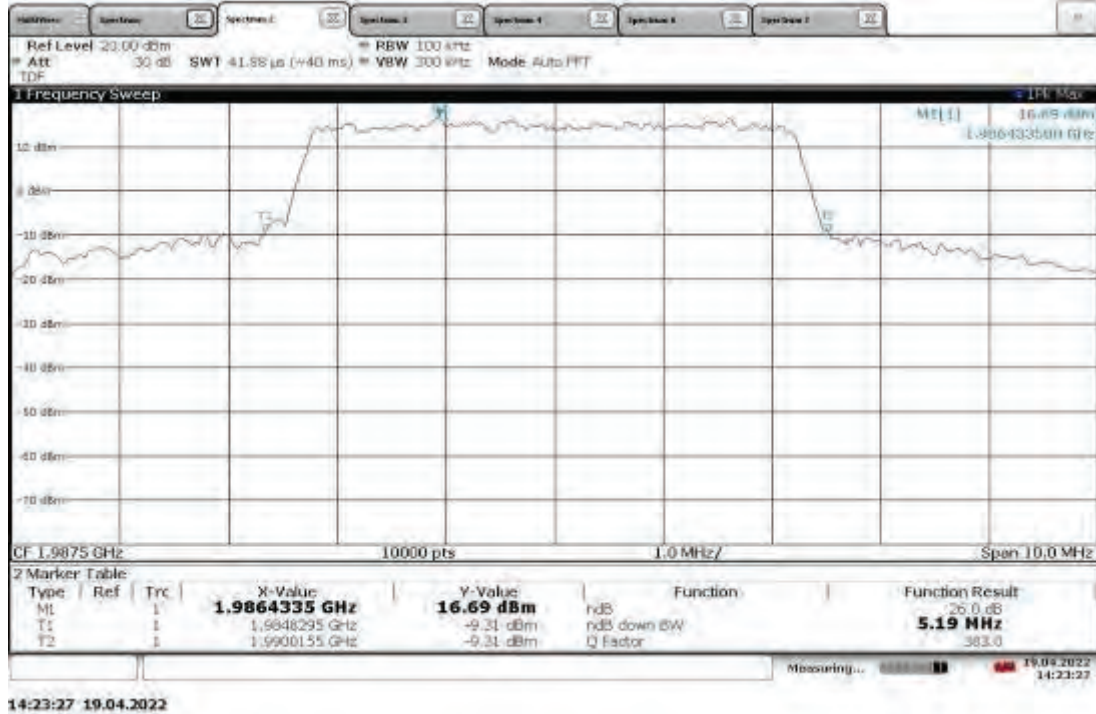


TM1.1-QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel 26 dB Bandwidth

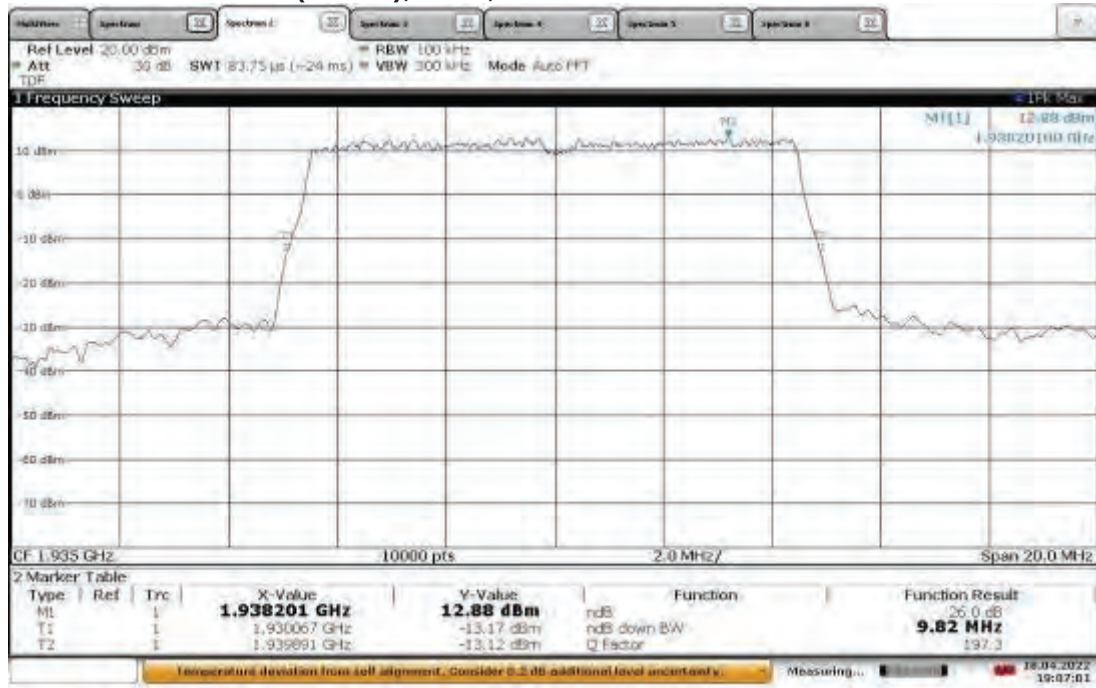


TM1.1-QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel 26 dB Bandwidth



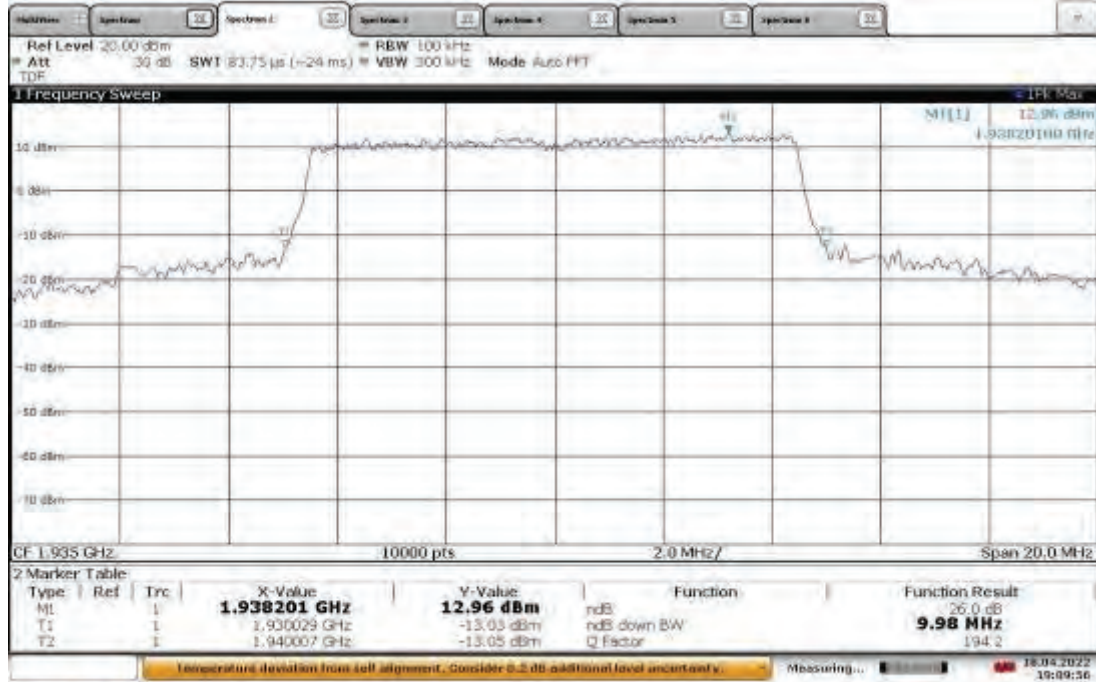
TM1.1-QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel 26 dB Bandwidth**TM1.1-QPSK_5 MHz Bandwidth (4G LTE)**
Slot 0 (Band 2), ANT1, High Channel 26 dB Bandwidth

TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel 26 dB Bandwidth



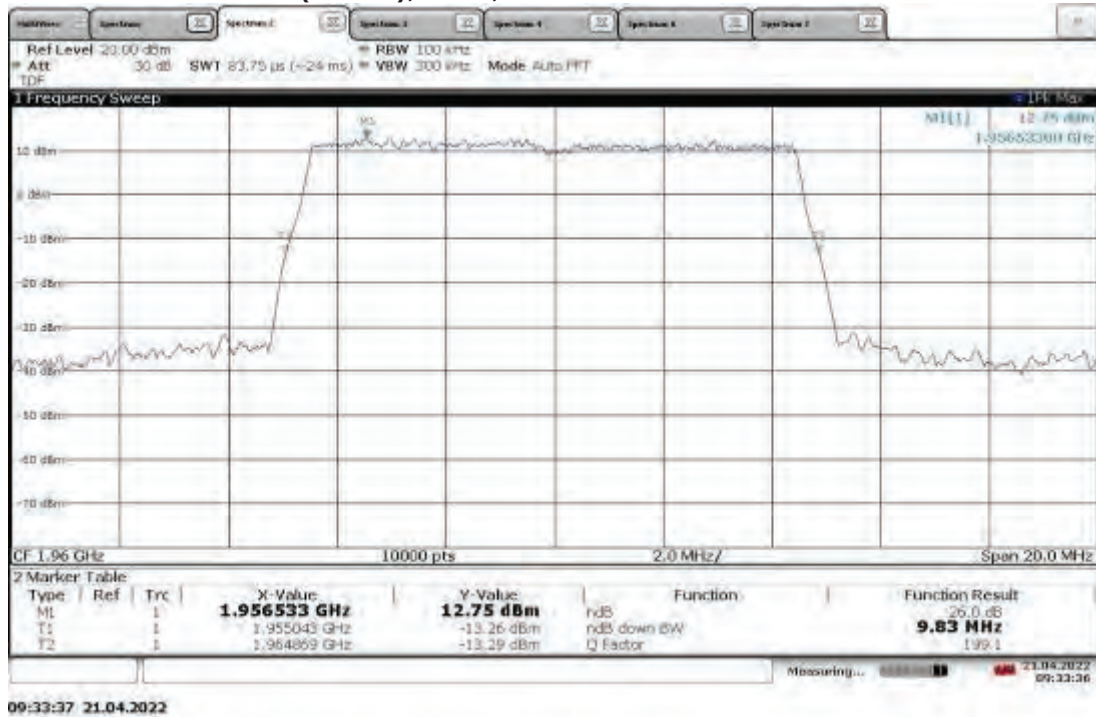
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TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel 26 dB Bandwidth

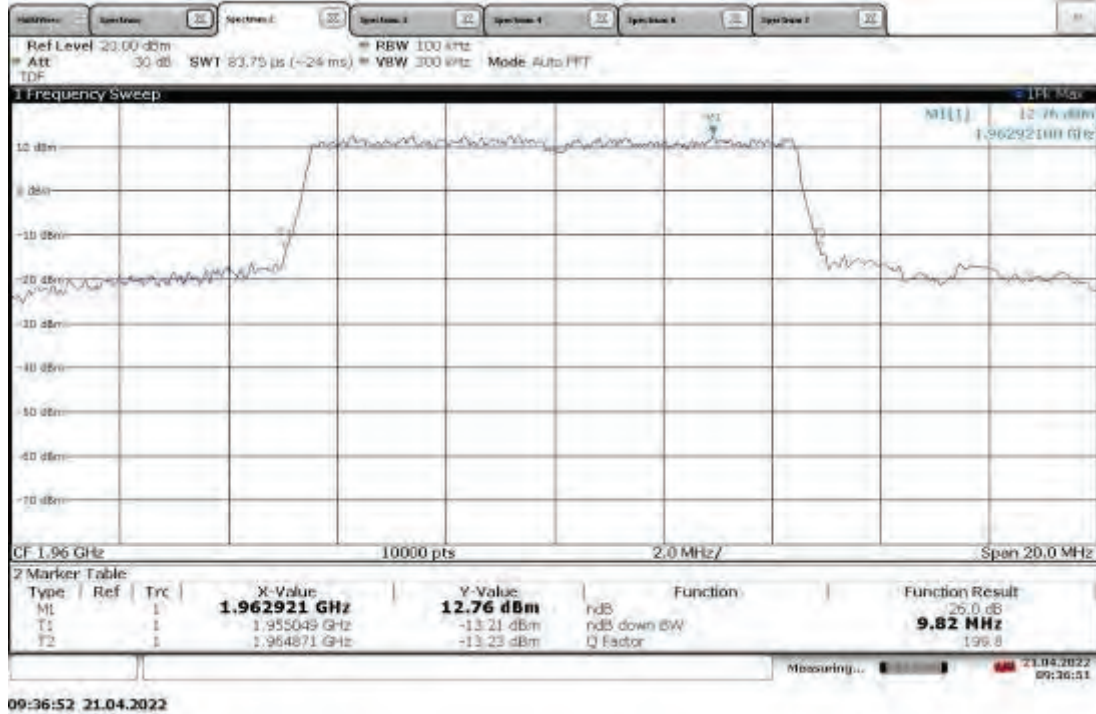


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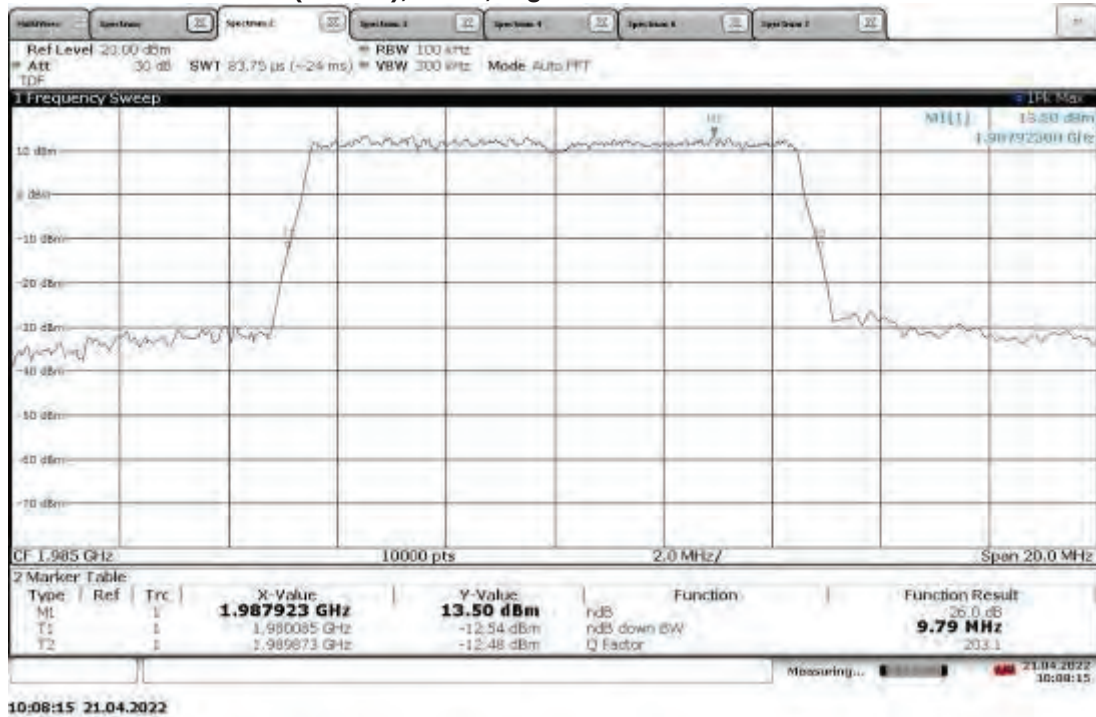
TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel 26 dB Bandwidth



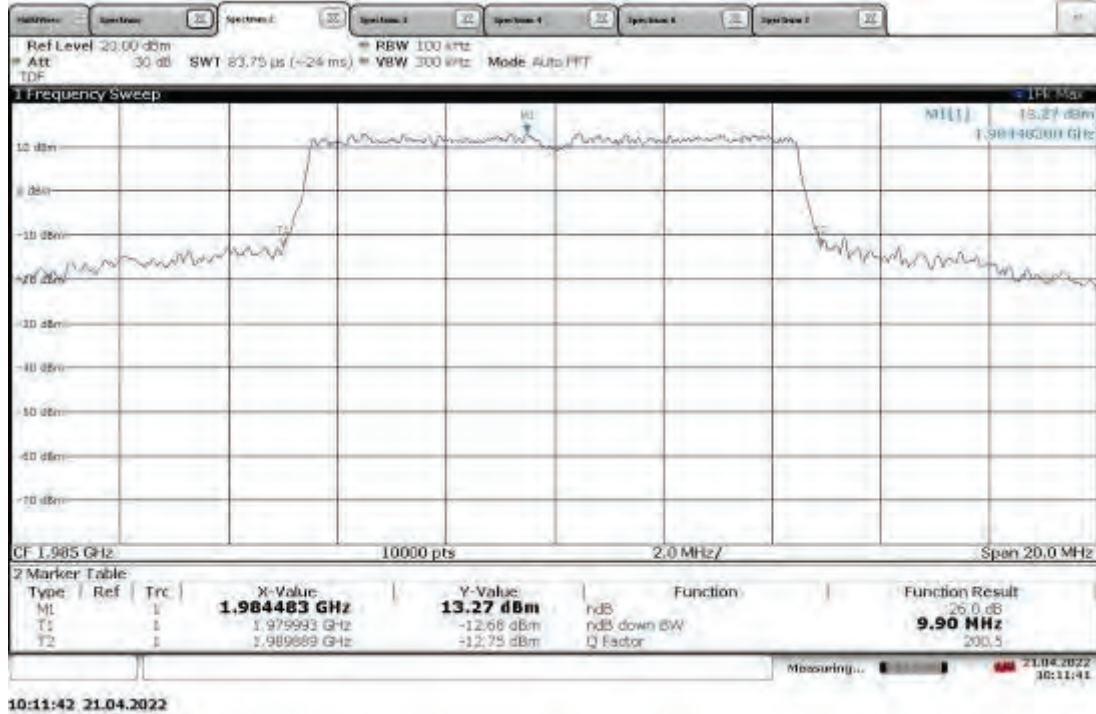
TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel 26 dB Bandwidth



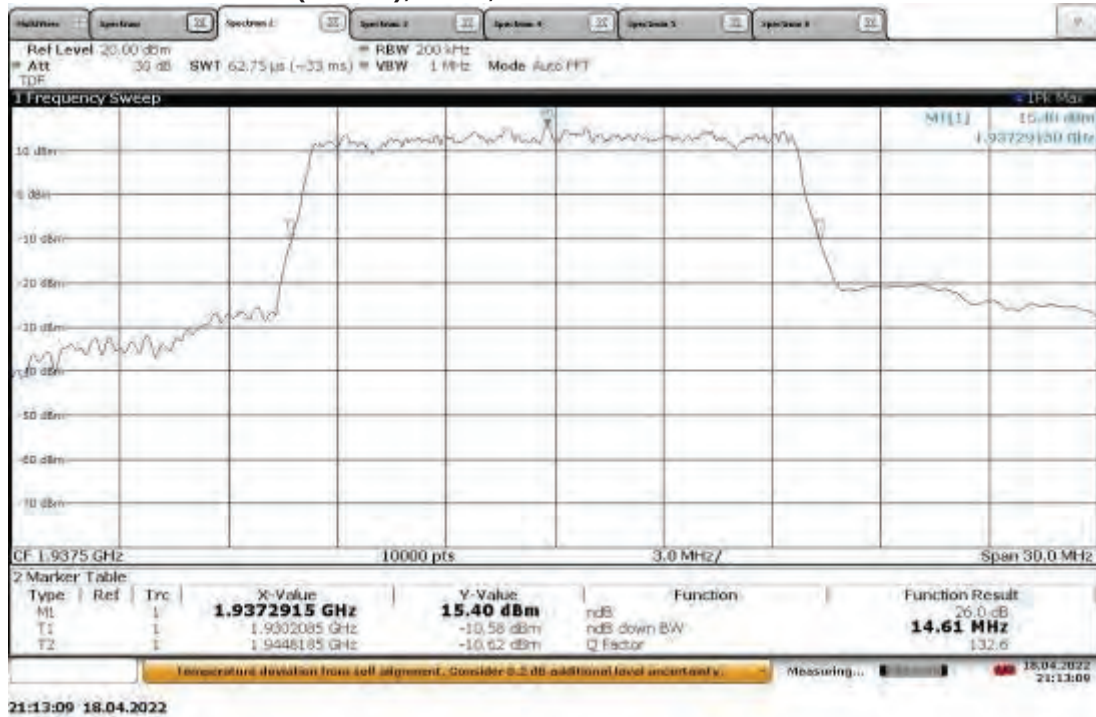
TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel 26 dB Bandwidth



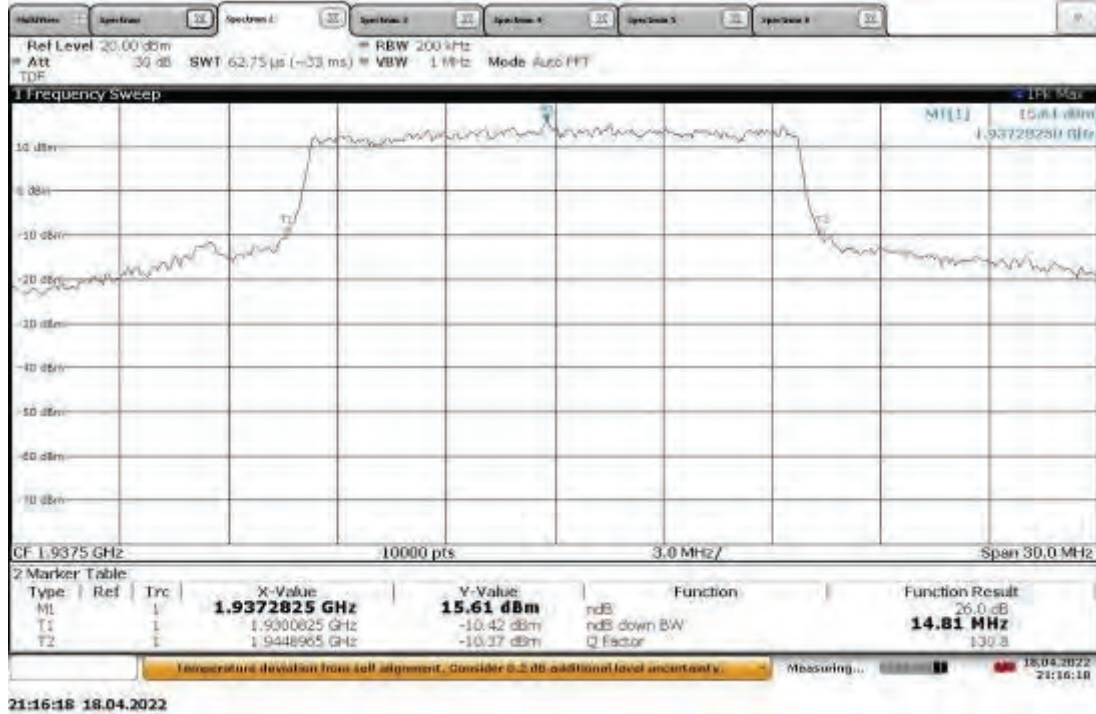
TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel 26 dB Bandwidth



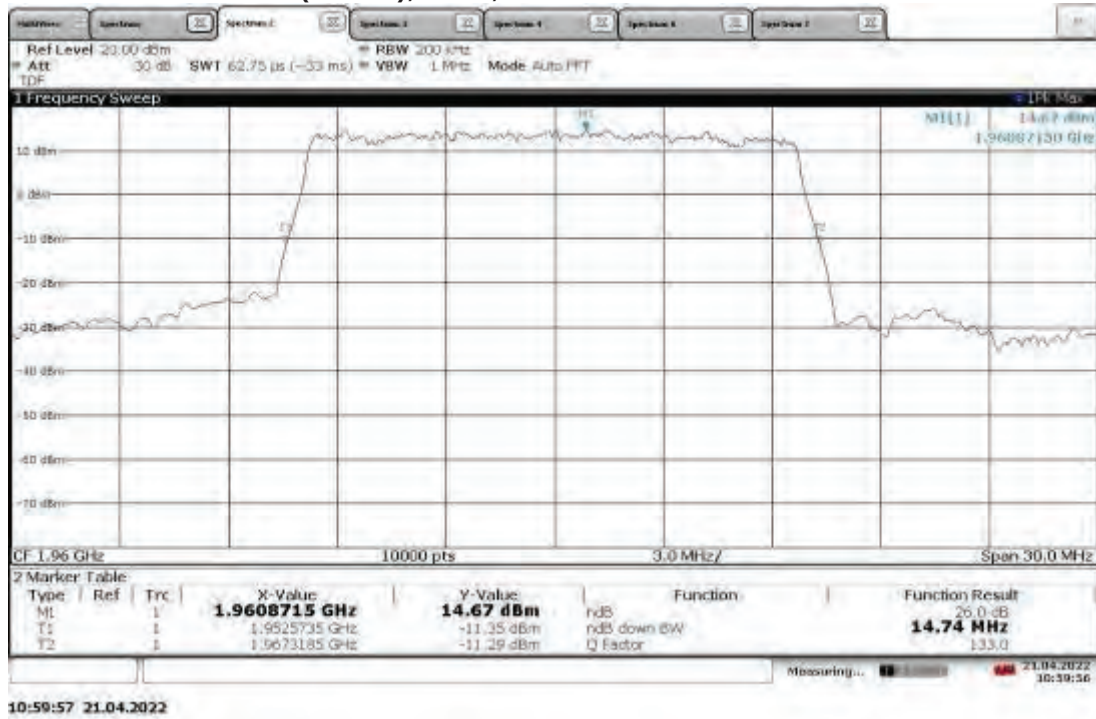
TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel 26 dB Bandwidth



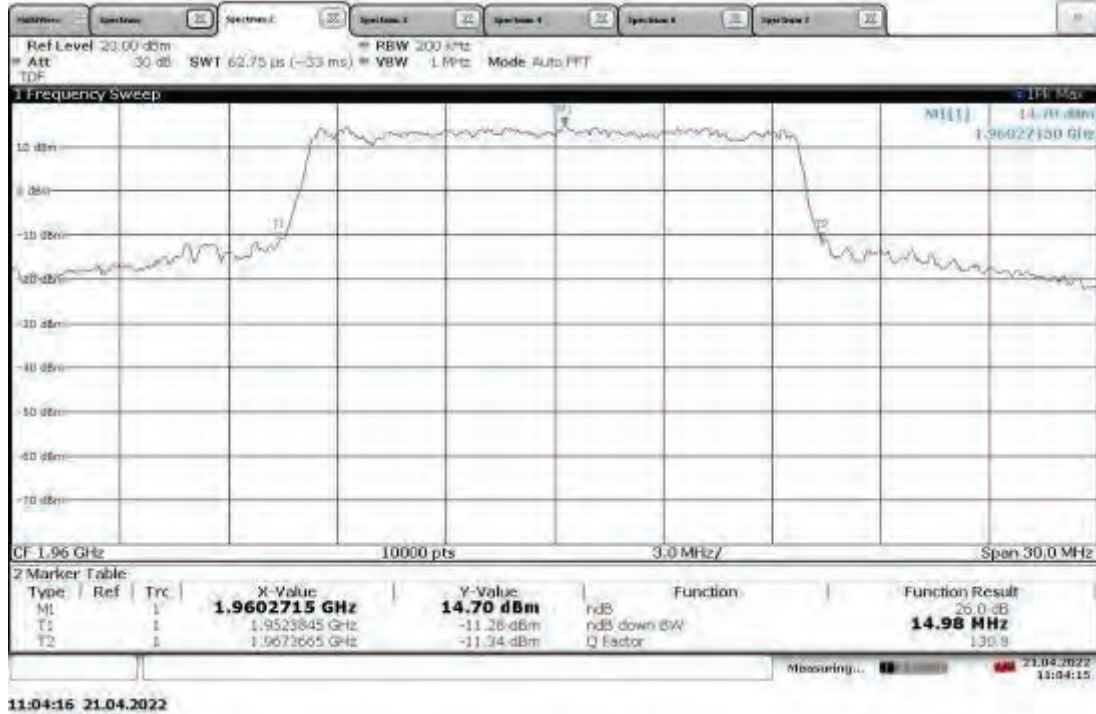
TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel 26 dB Bandwidth



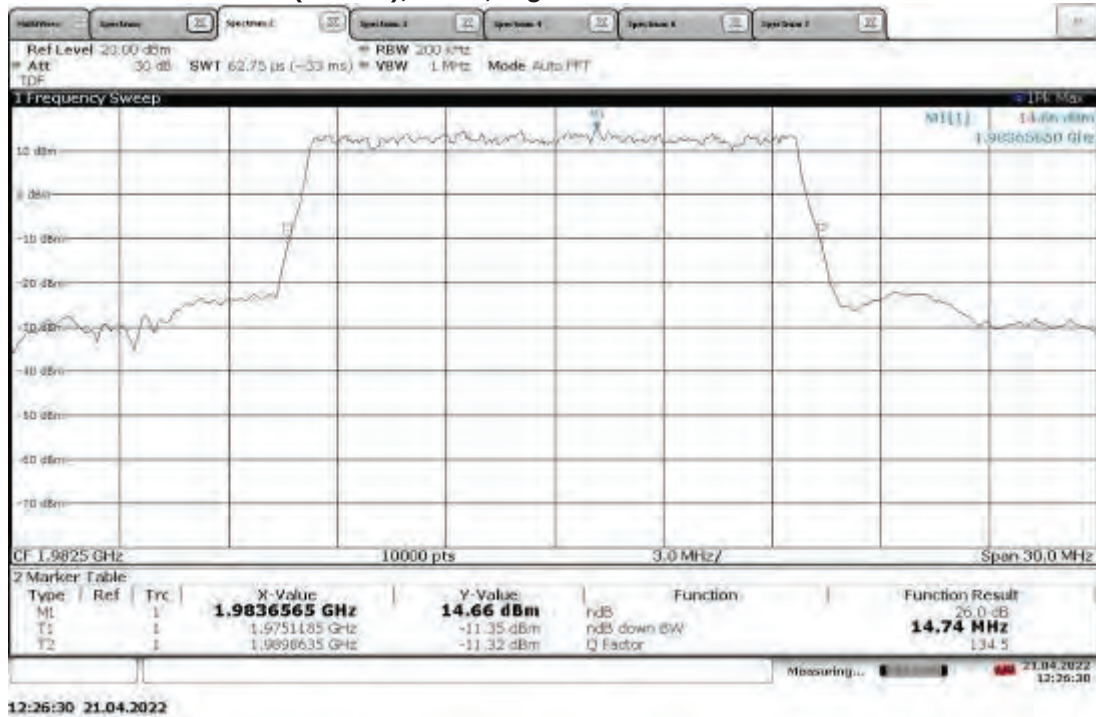
TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel 26 dB Bandwidth



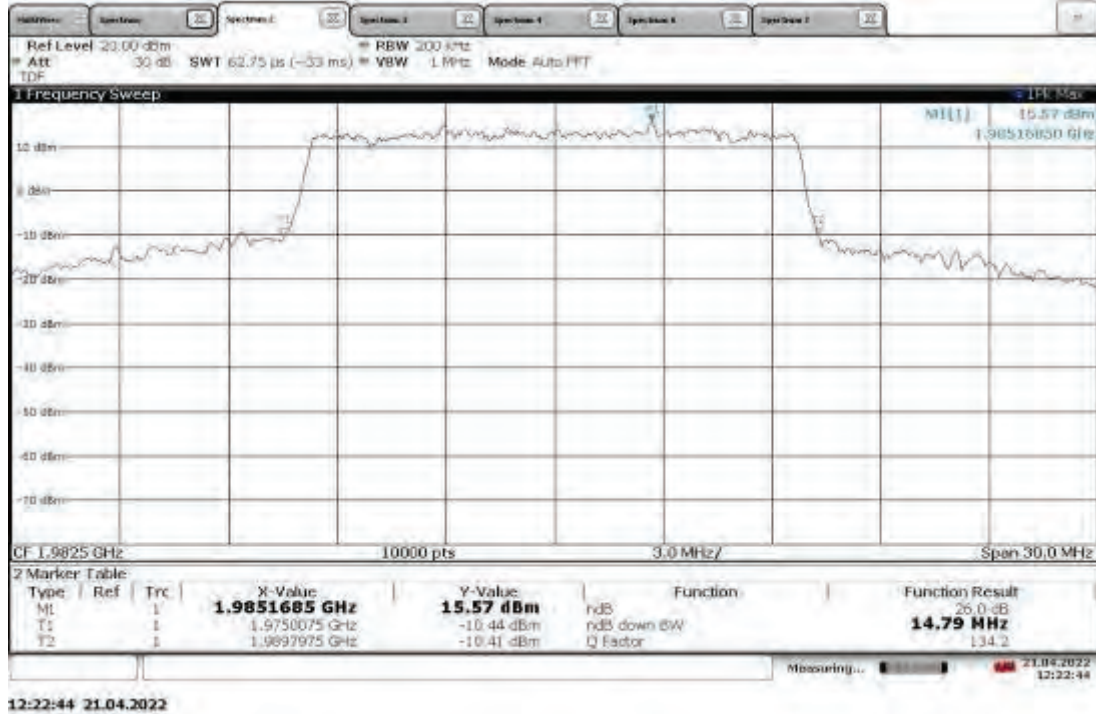
TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel 26 dB Bandwidth



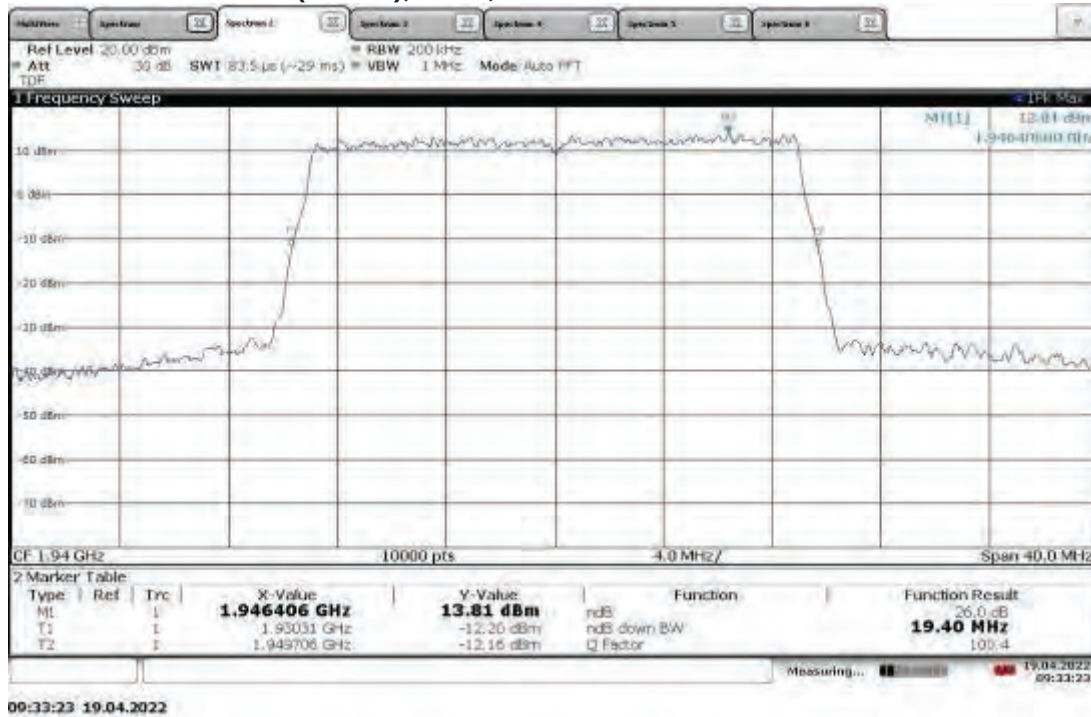
TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel 26 dB Bandwidth



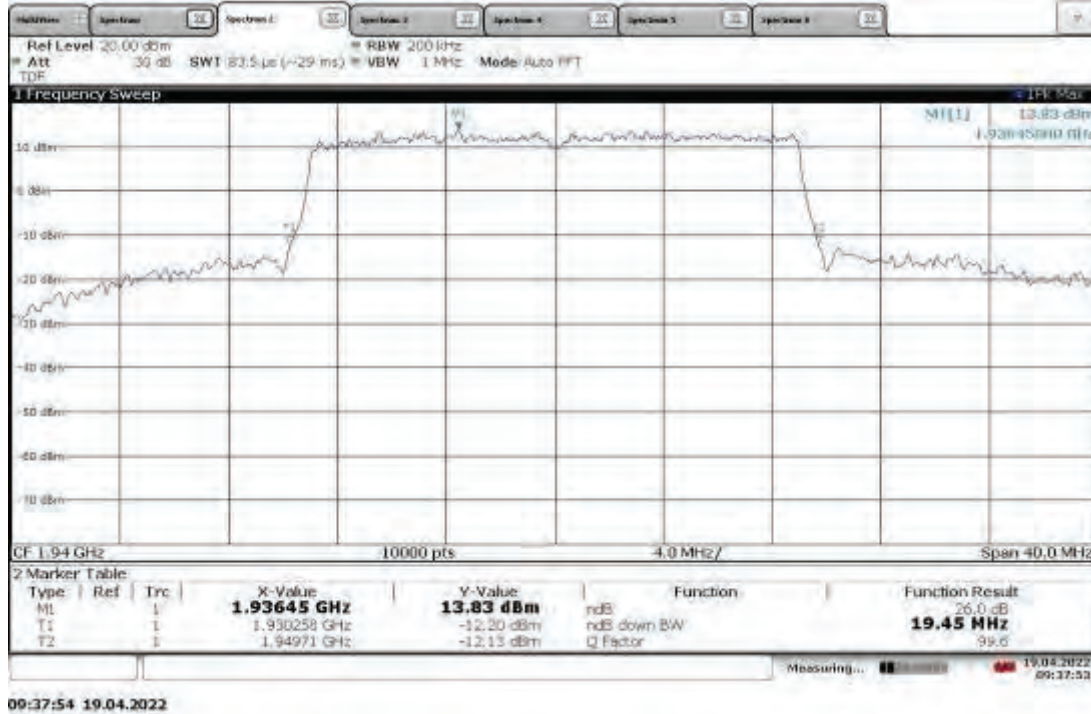
TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel 26 dB Bandwidth

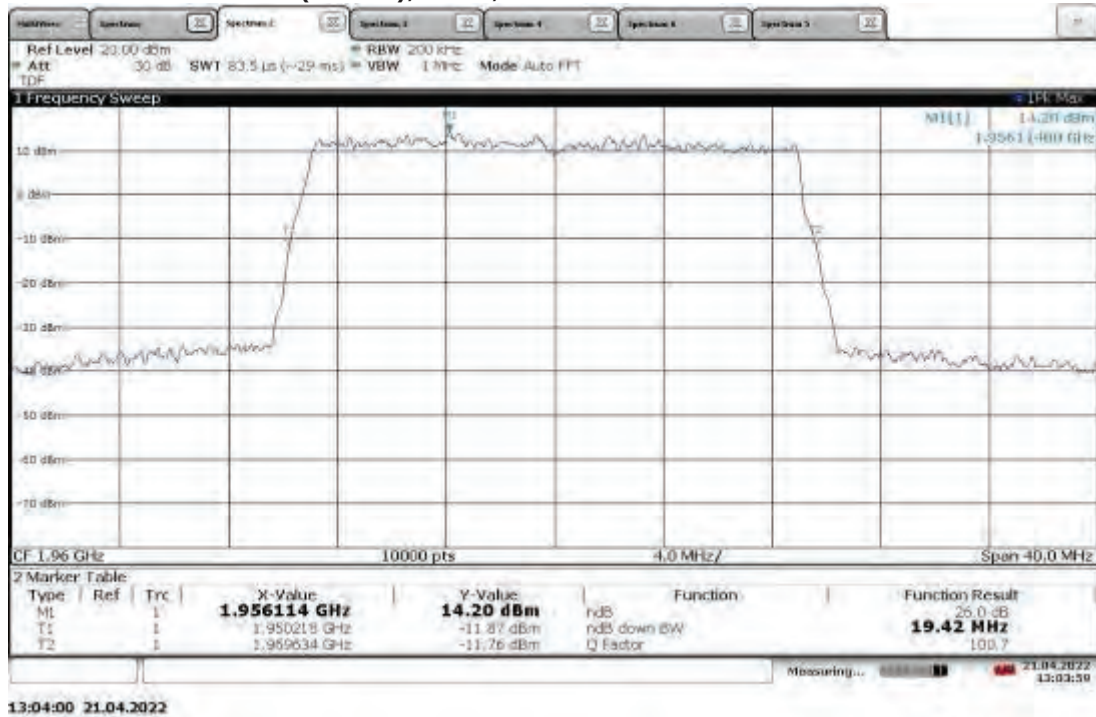
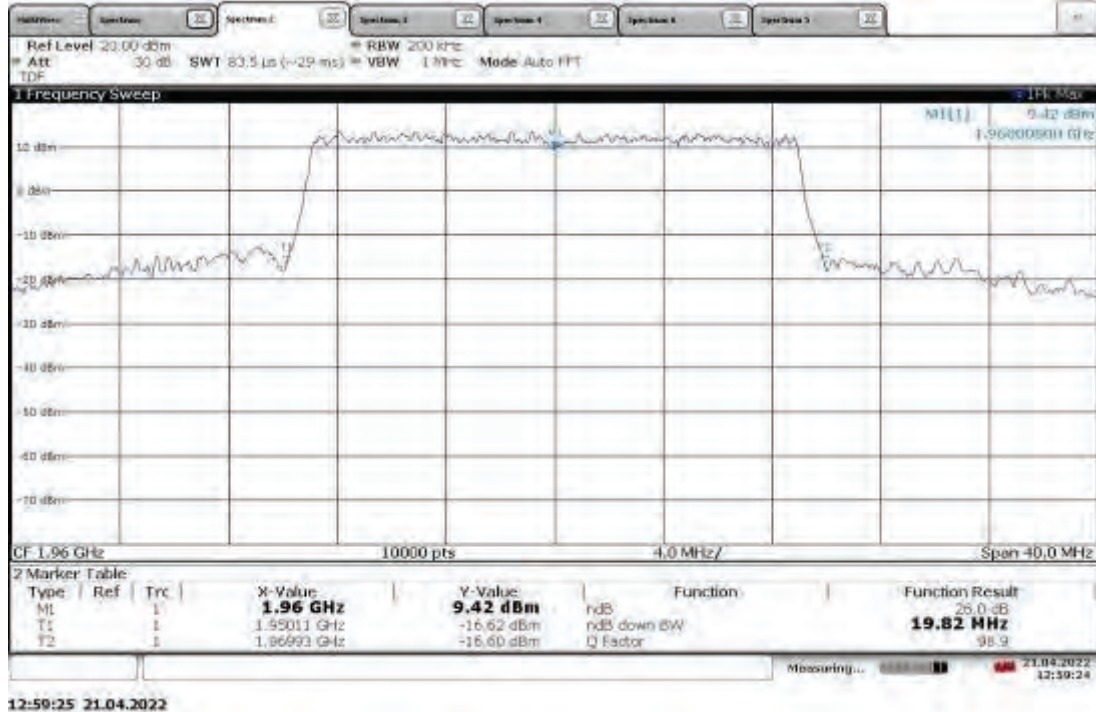


TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel 26 dB Bandwidth

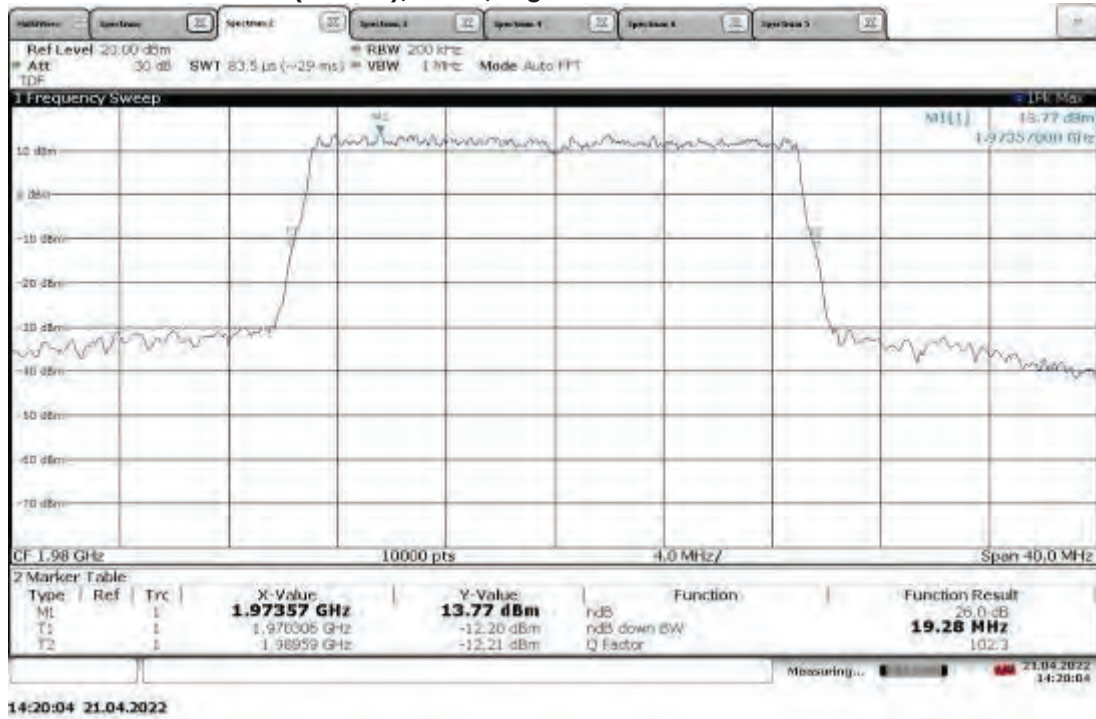


TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel 26 dB Bandwidth

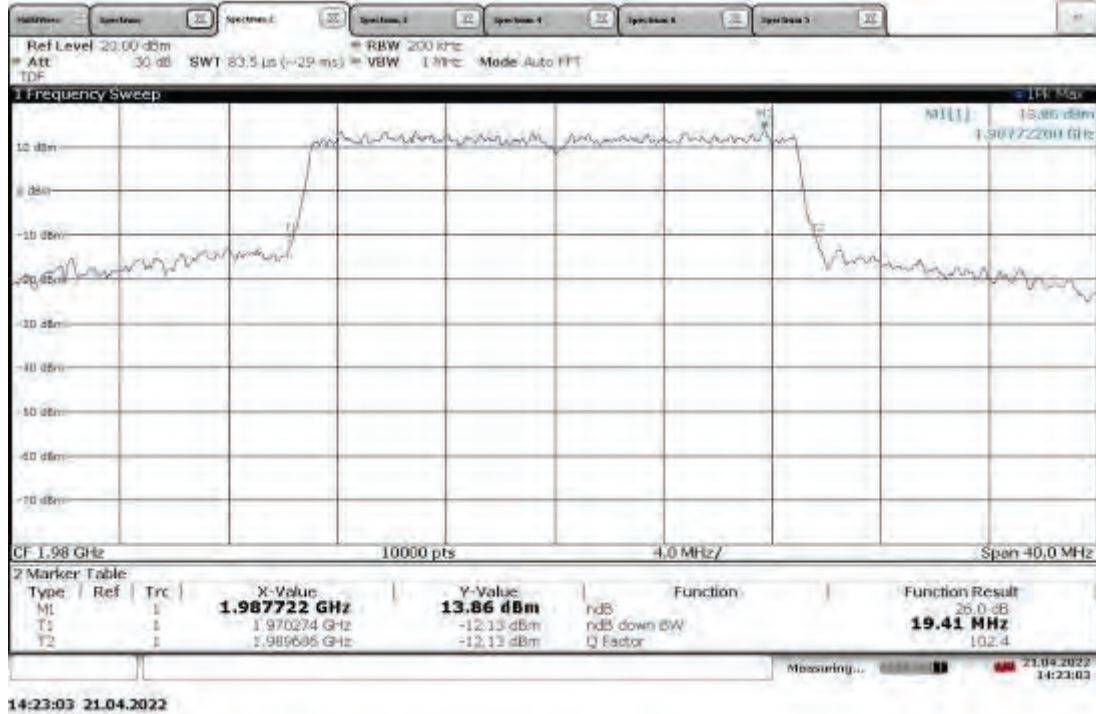


TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel 26 dB Bandwidth**TM1.1-QPSK_20 MHz Bandwidth (4G LTE)**
Slot 0 (Band 2), ANT1, Mid Channel 26 dB Bandwidth

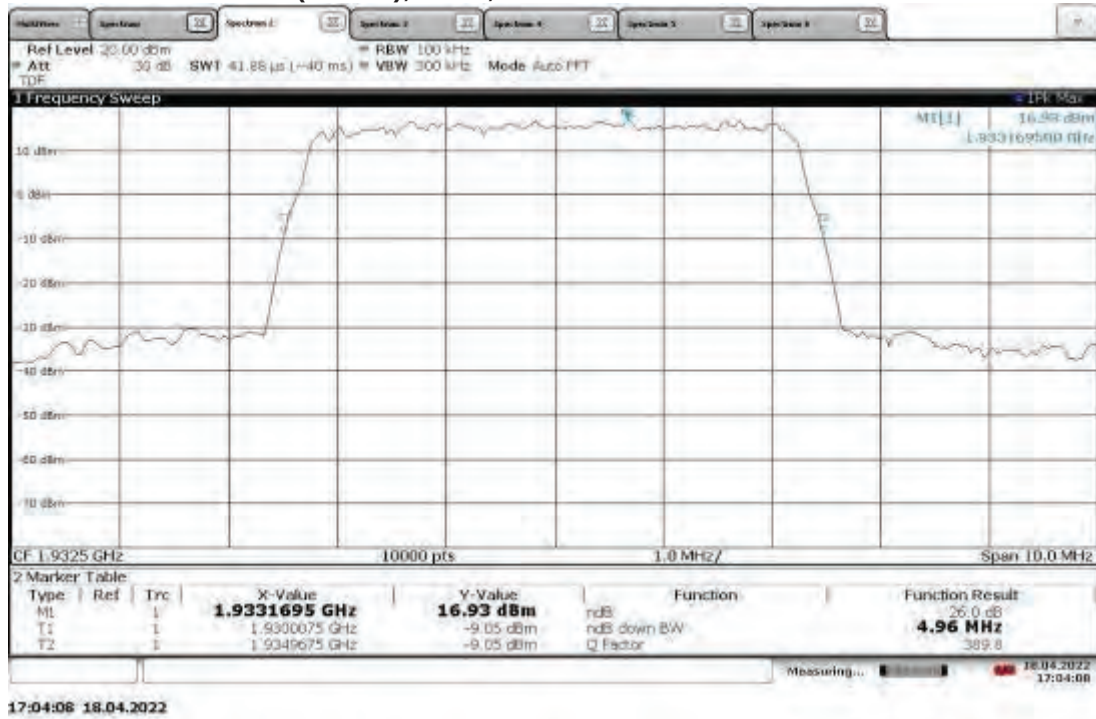
TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel 26 dB Bandwidth



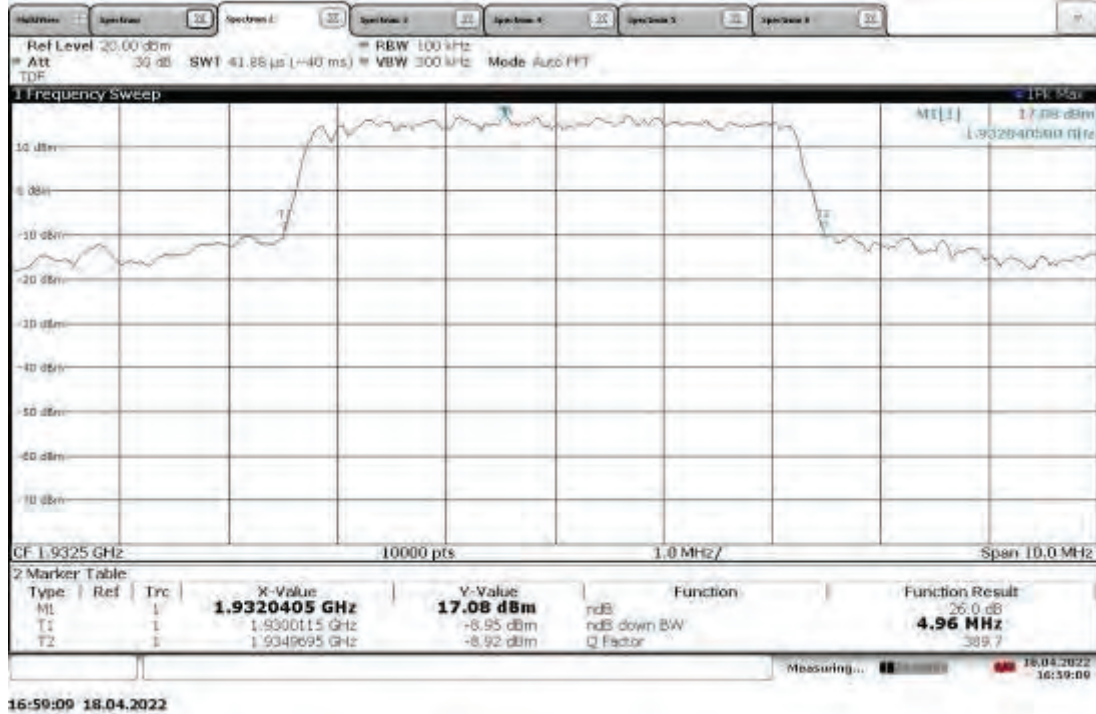
TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel 26 dB Bandwidth



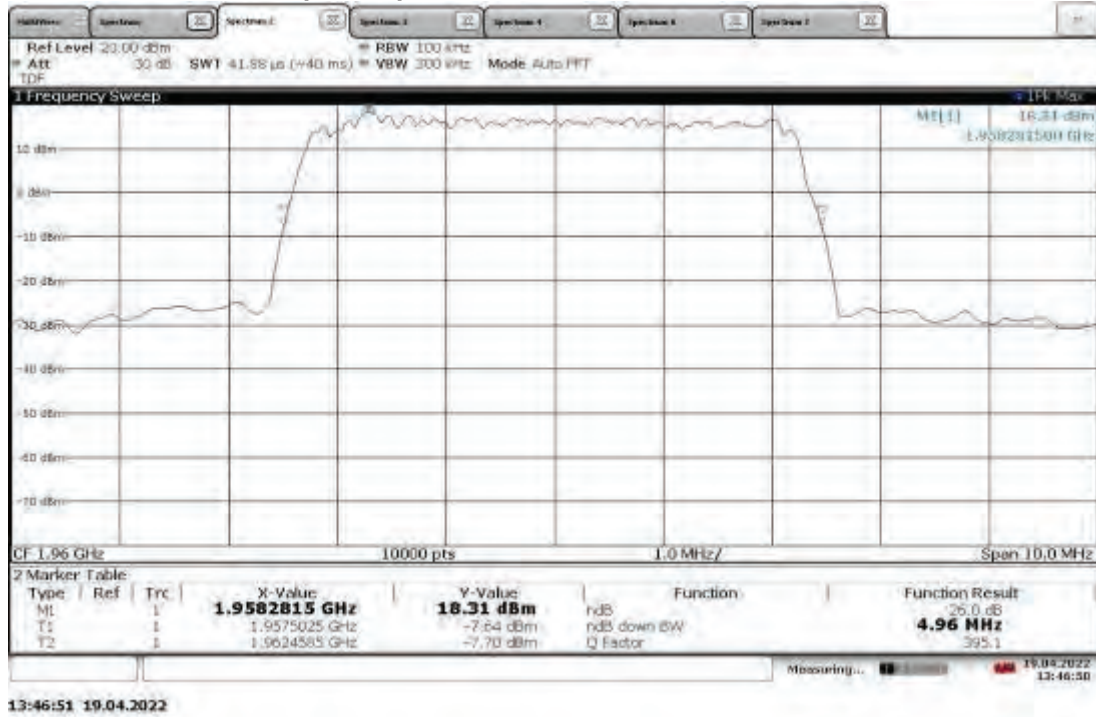
TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel 26 dB Bandwidth



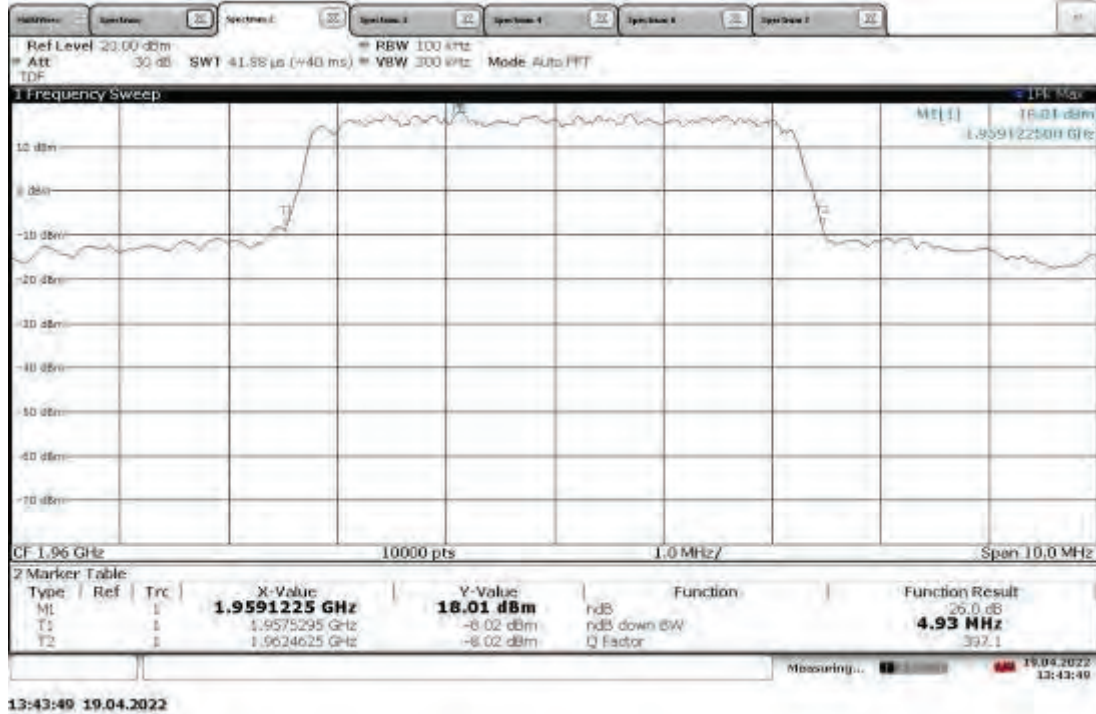
TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel 26 dB Bandwidth



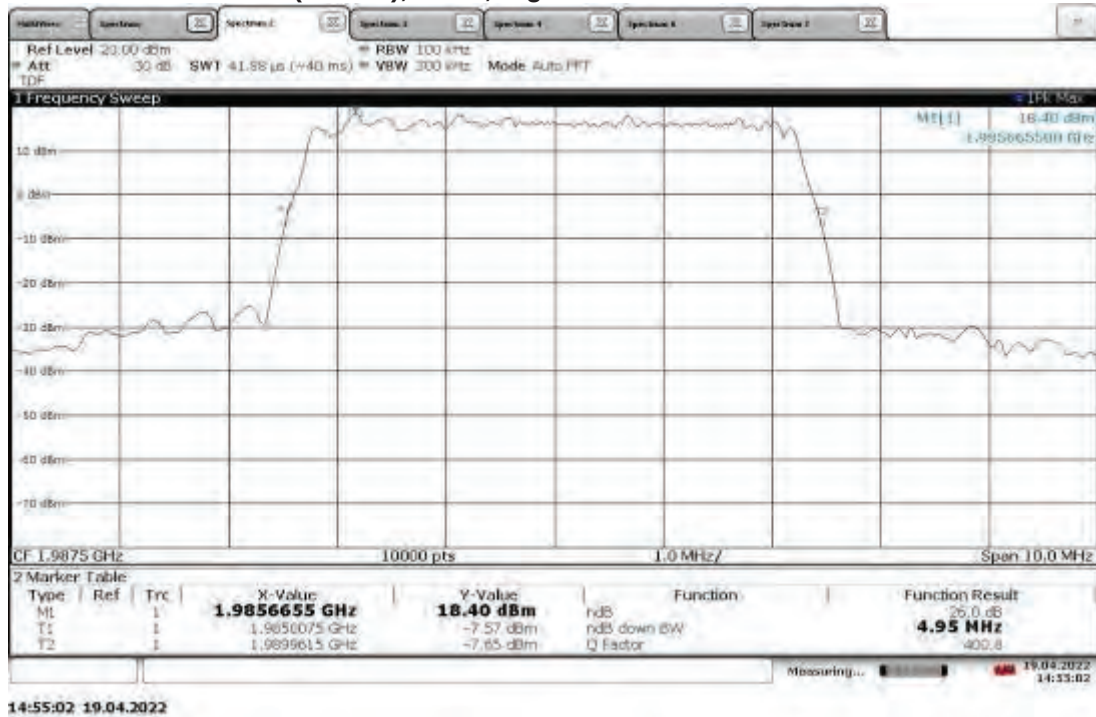
TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel 26 dB Bandwidth



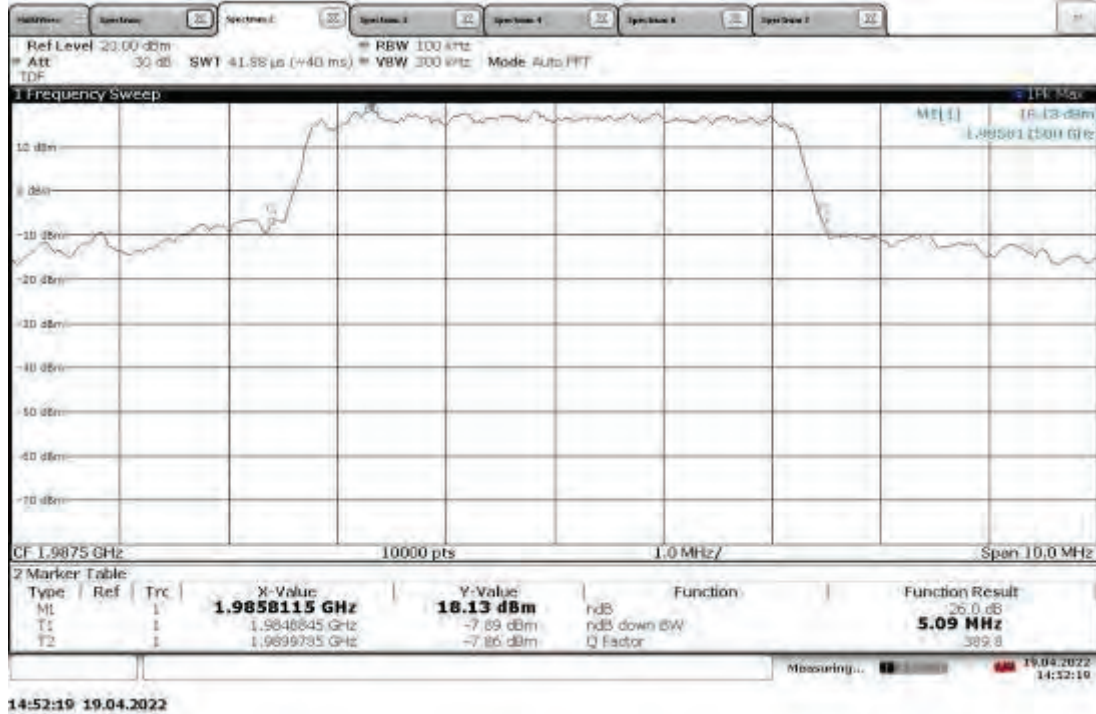
TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel 26 dB Bandwidth

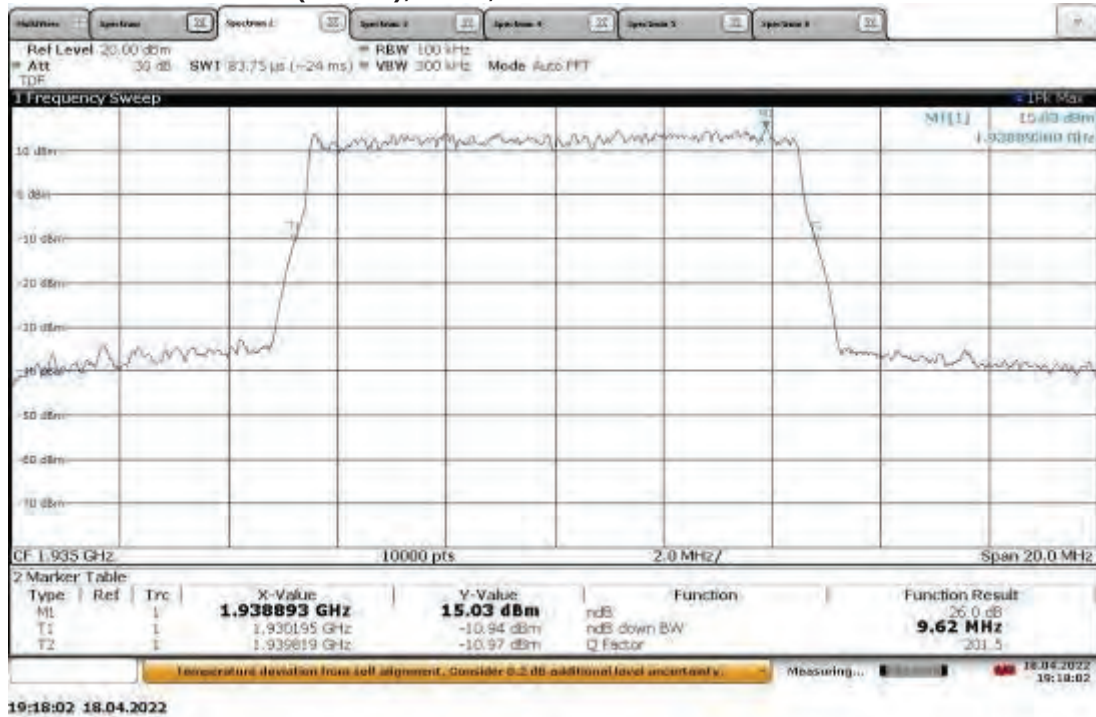
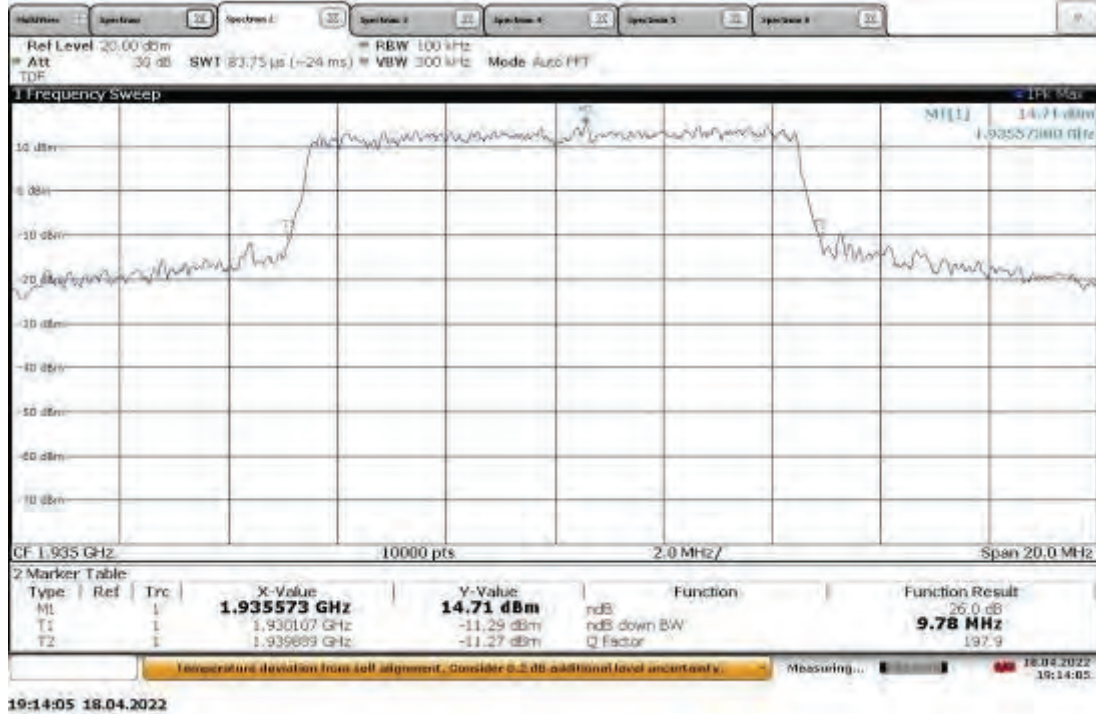


TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel 26 dB Bandwidth

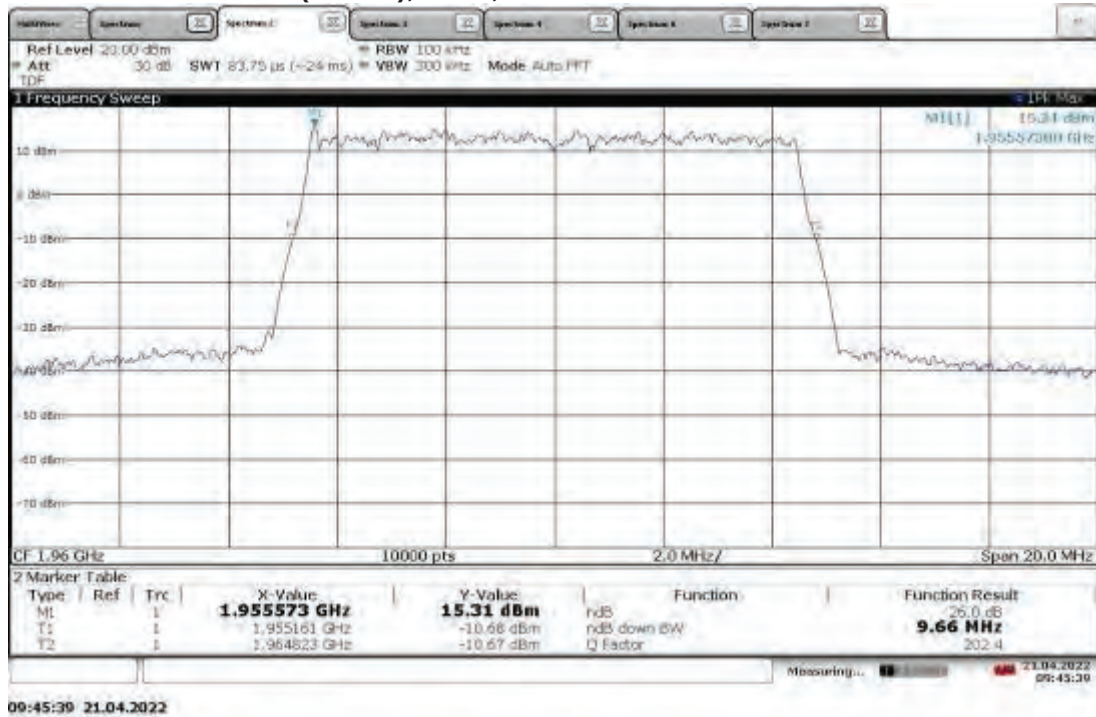


TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel 26 dB Bandwidth

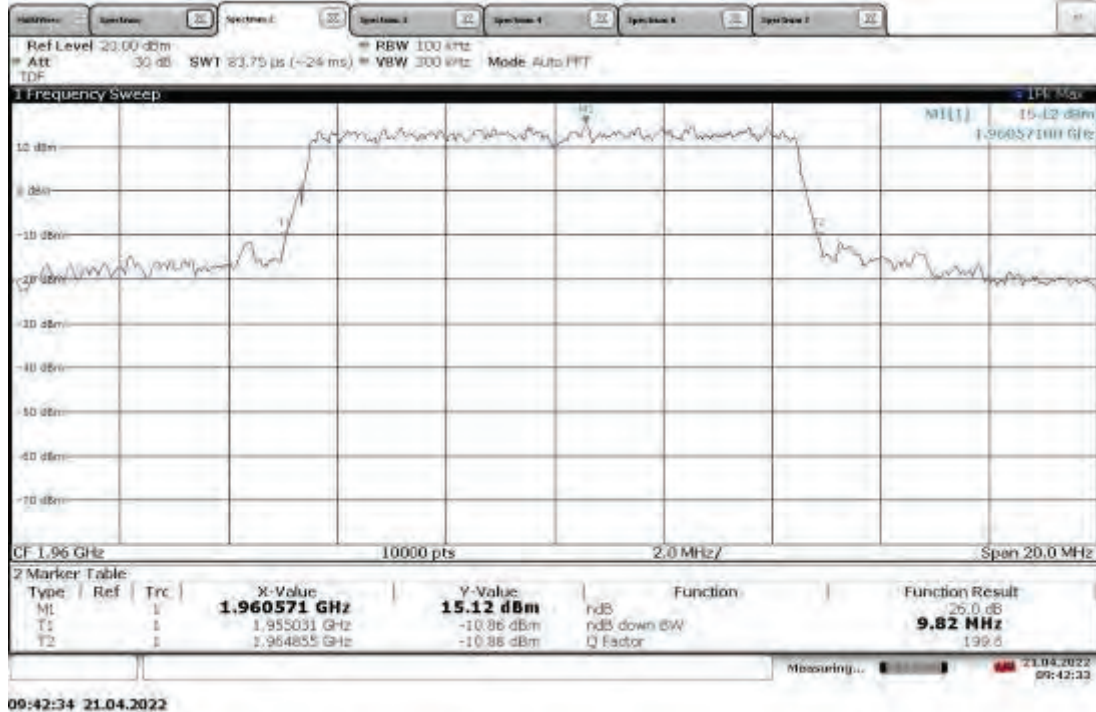


TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel 26 dB Bandwidth**TM3.2-16QAM_10 MHz Bandwidth (4G LTE)**
Slot 0 (Band 2), ANT1, Low Channel 26 dB Bandwidth

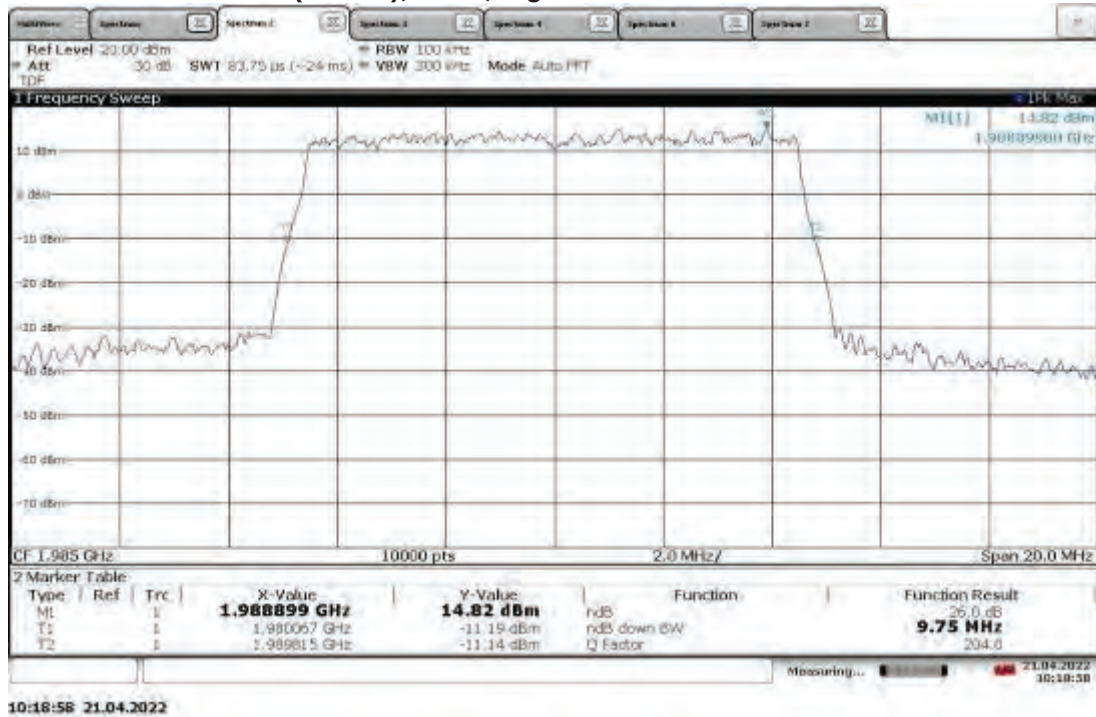
TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel 26 dB Bandwidth



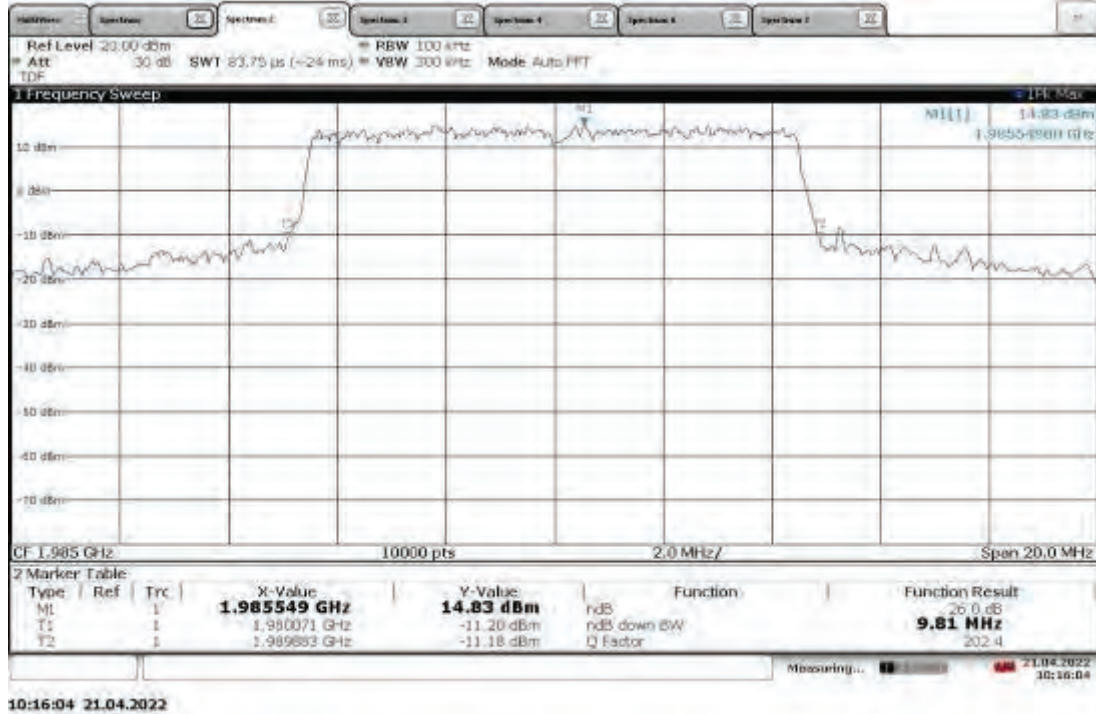
TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel 26 dB Bandwidth



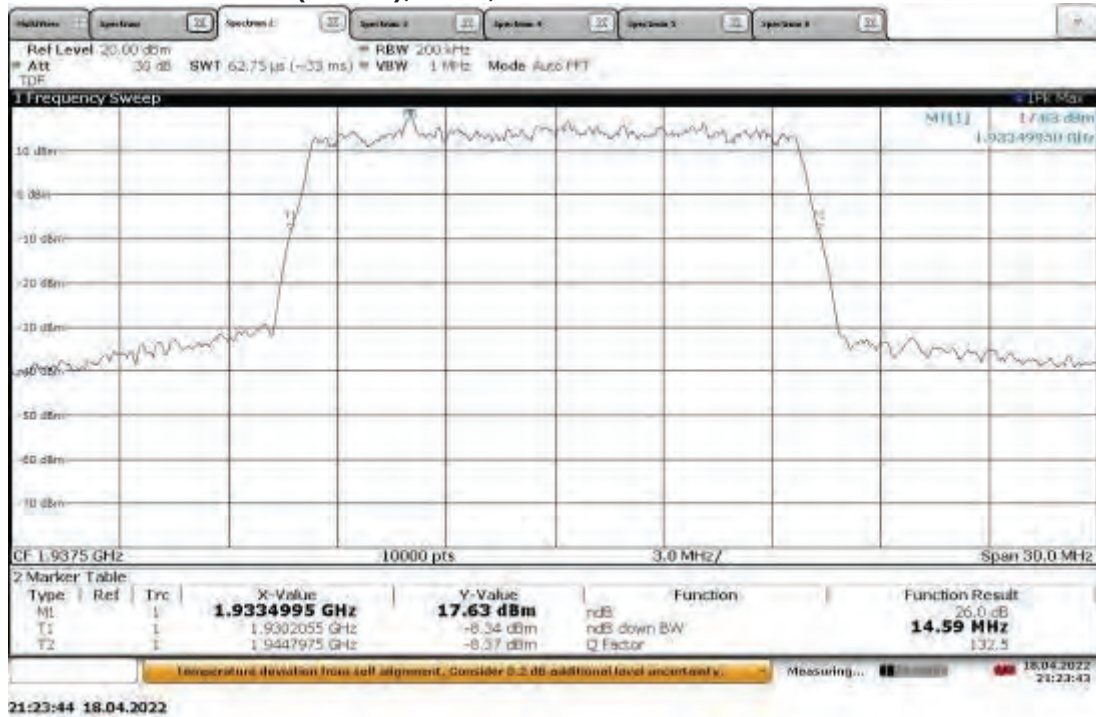
TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel 26 dB Bandwidth



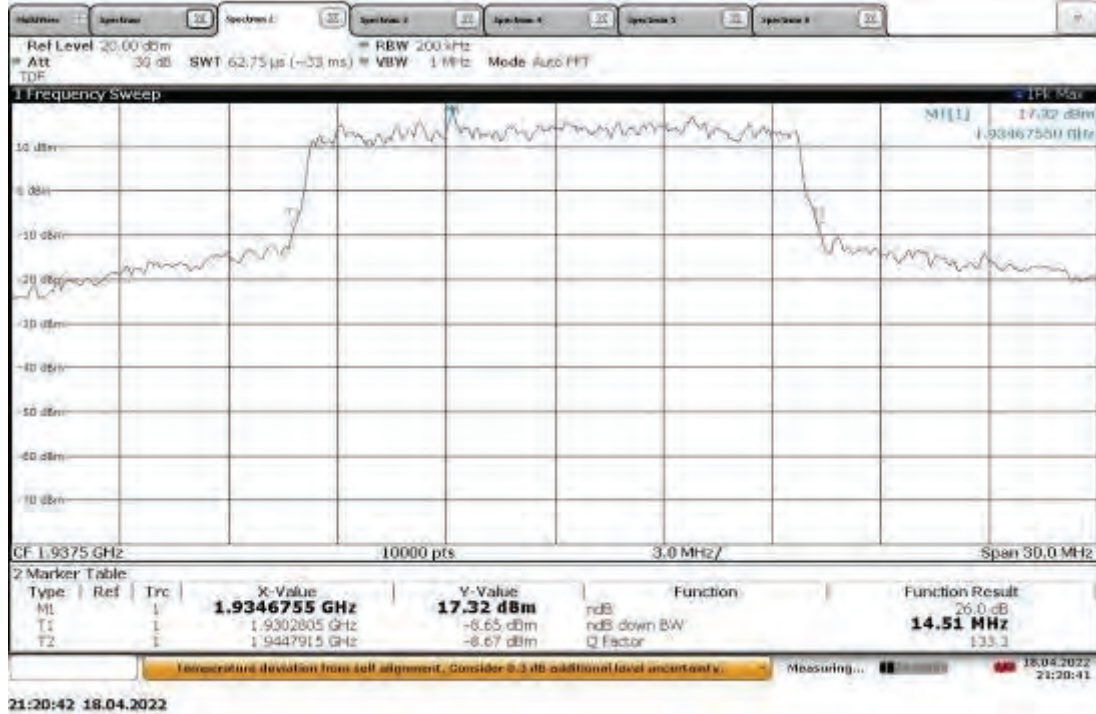
TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel 26 dB Bandwidth

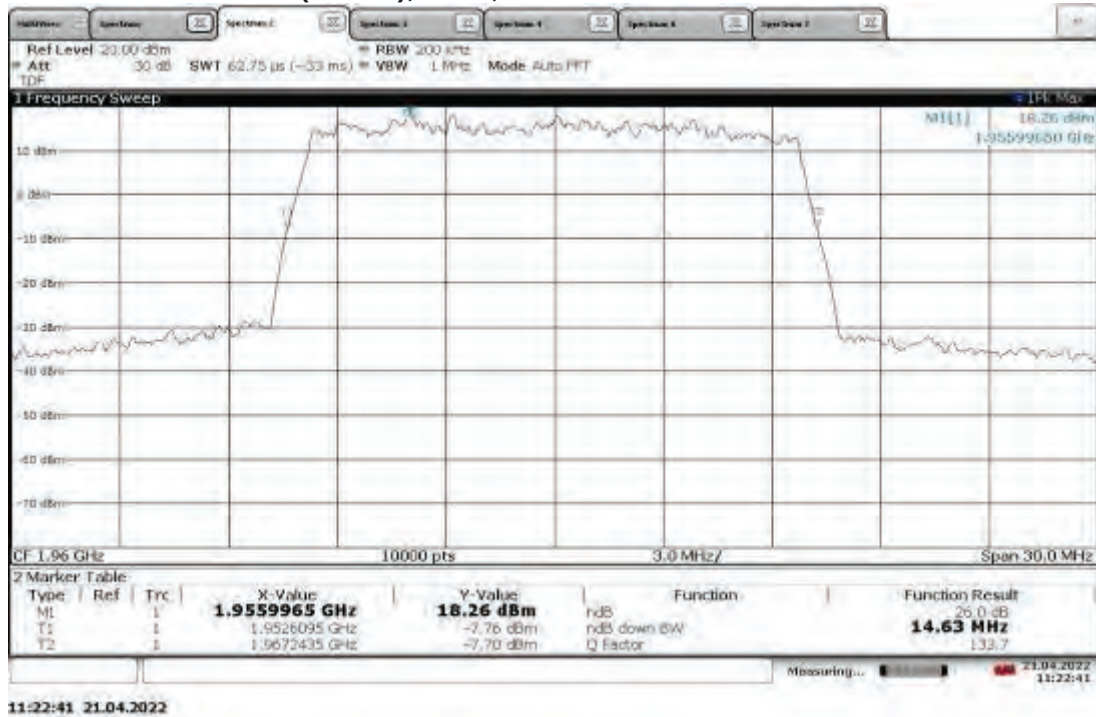
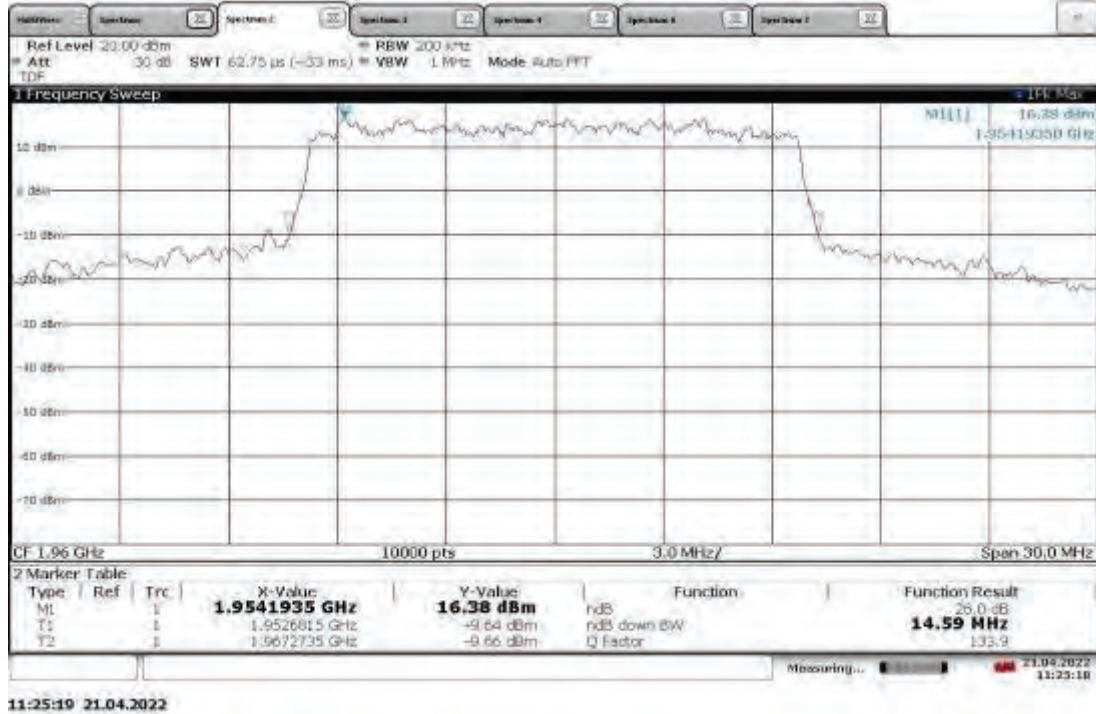


TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel 26 dB Bandwidth

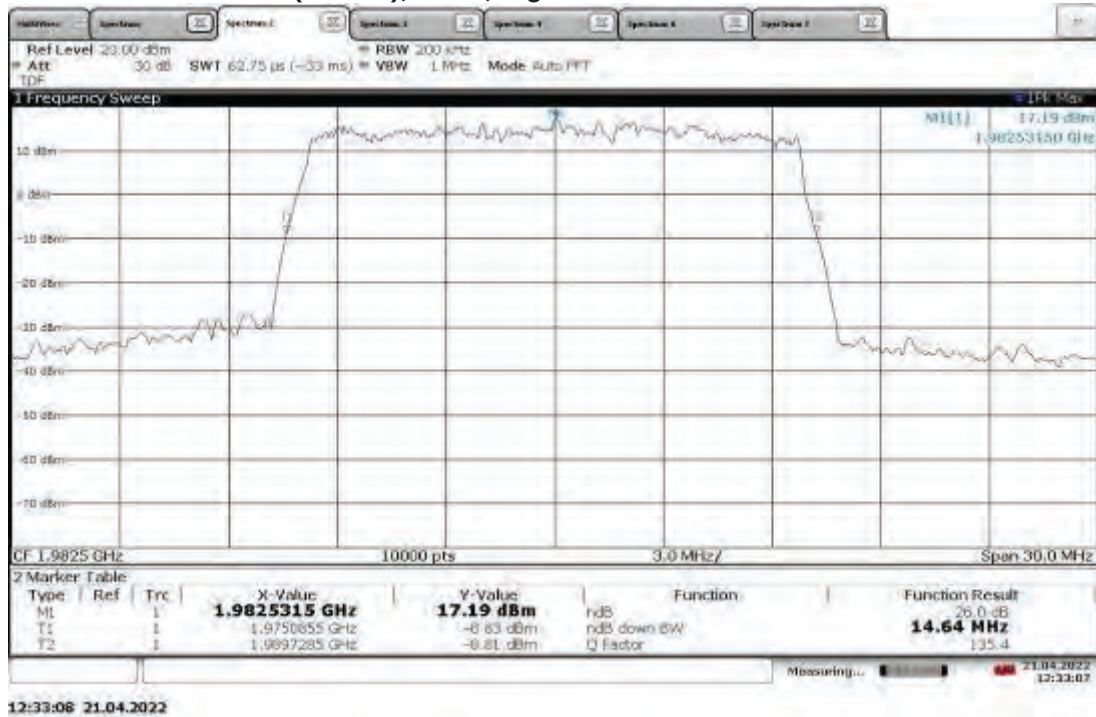


TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel 26 dB Bandwidth

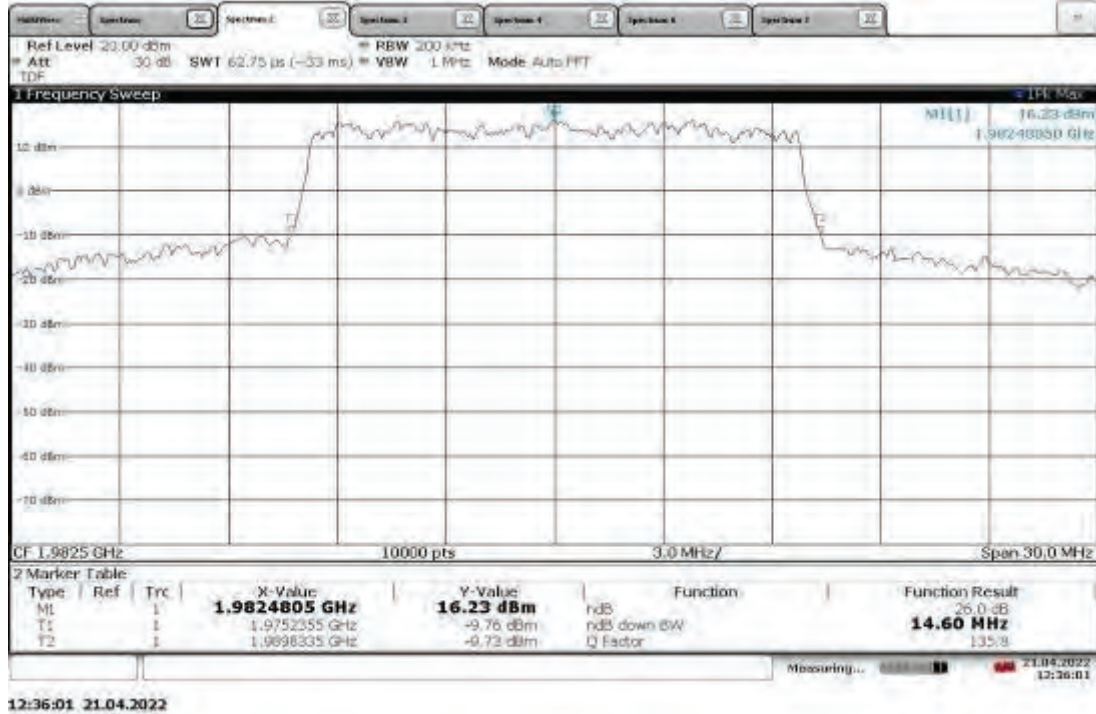


TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel 26 dB Bandwidth**TM3.2-16QAM_15 MHz Bandwidth (4G LTE)**
Slot 0 (Band 2), ANT1, Mid Channel 26 dB Bandwidth

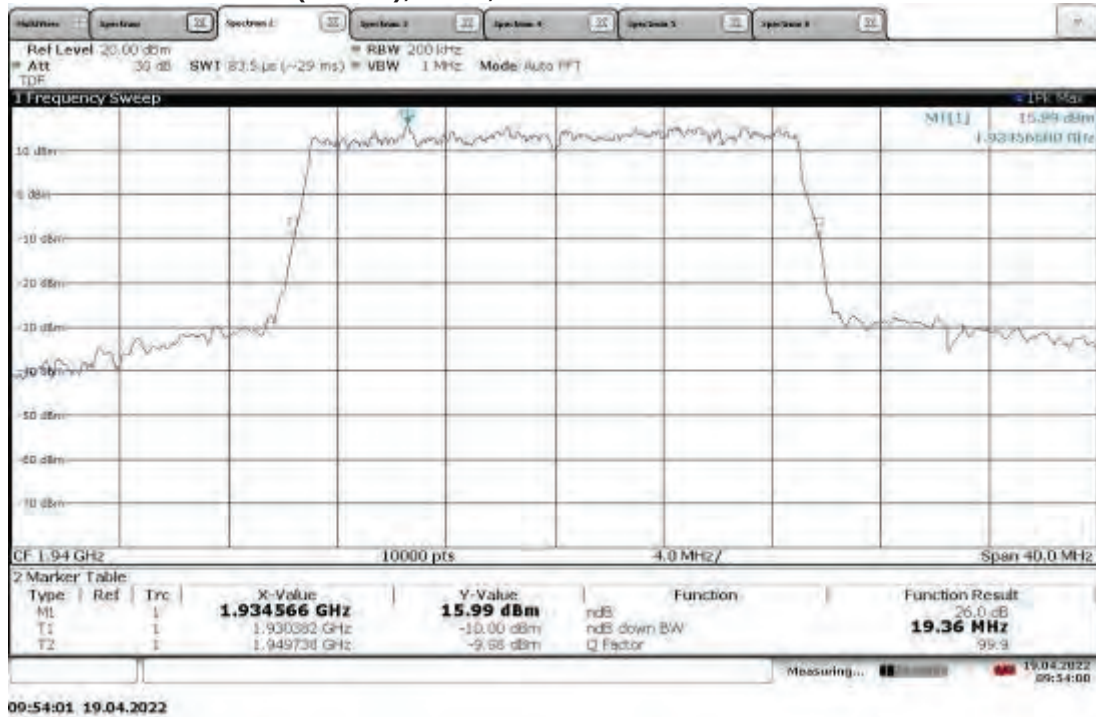
TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel 26 dB Bandwidth



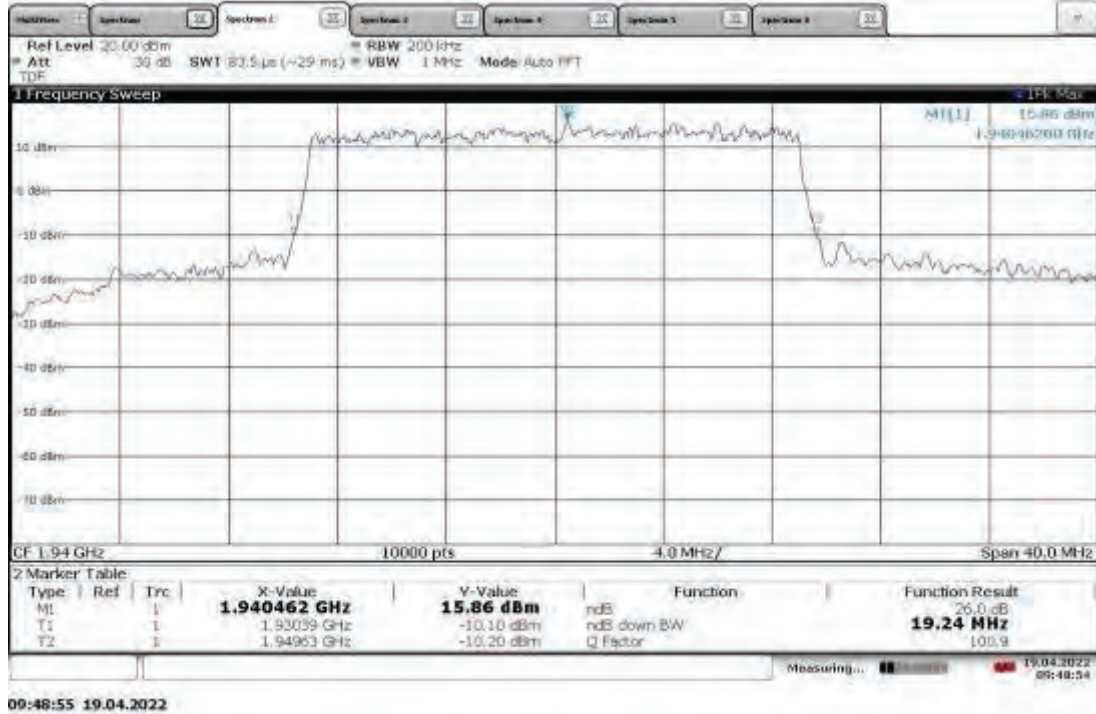
TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel 26 dB Bandwidth



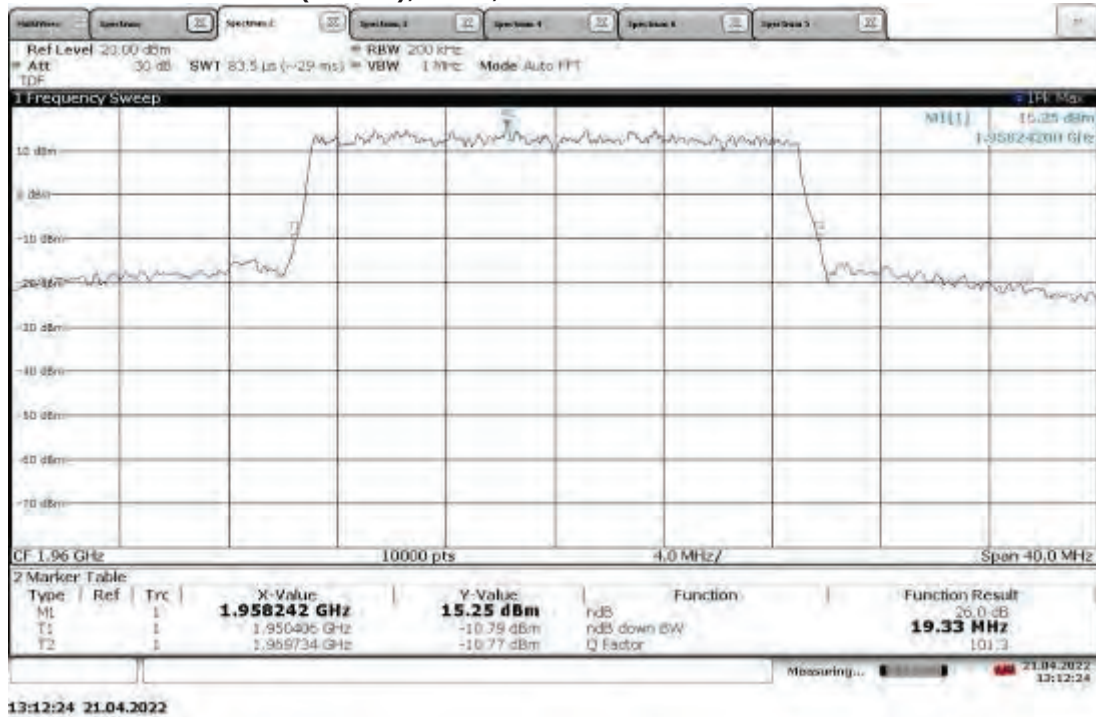
TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel 26 dB Bandwidth



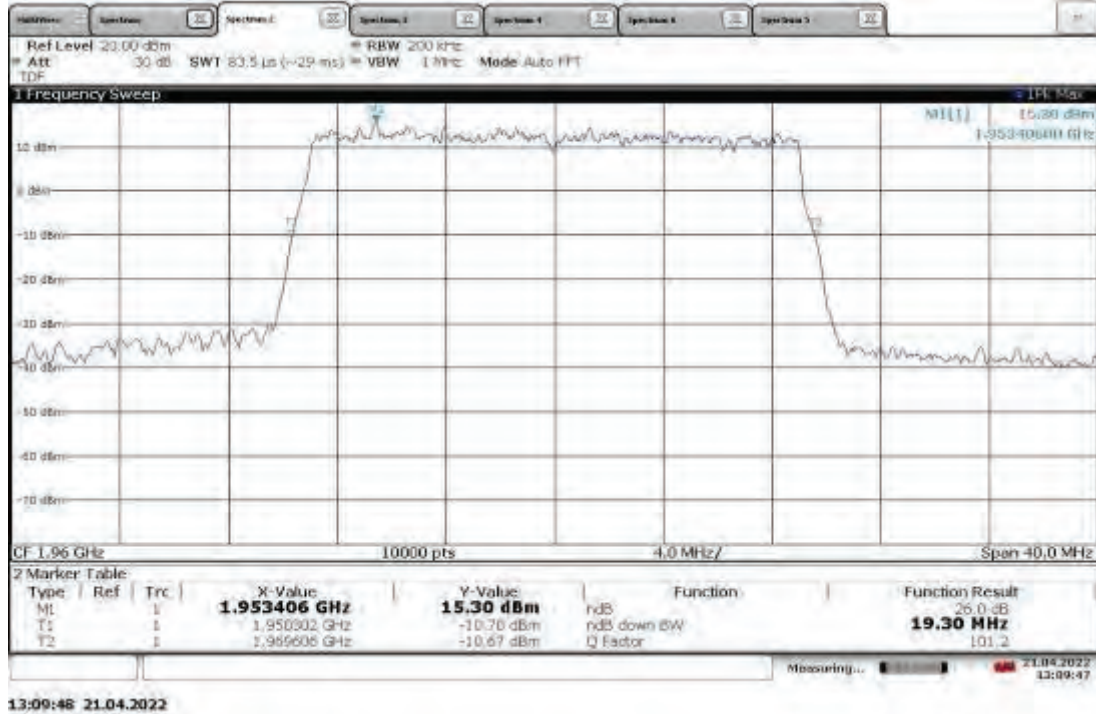
TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel 26 dB Bandwidth



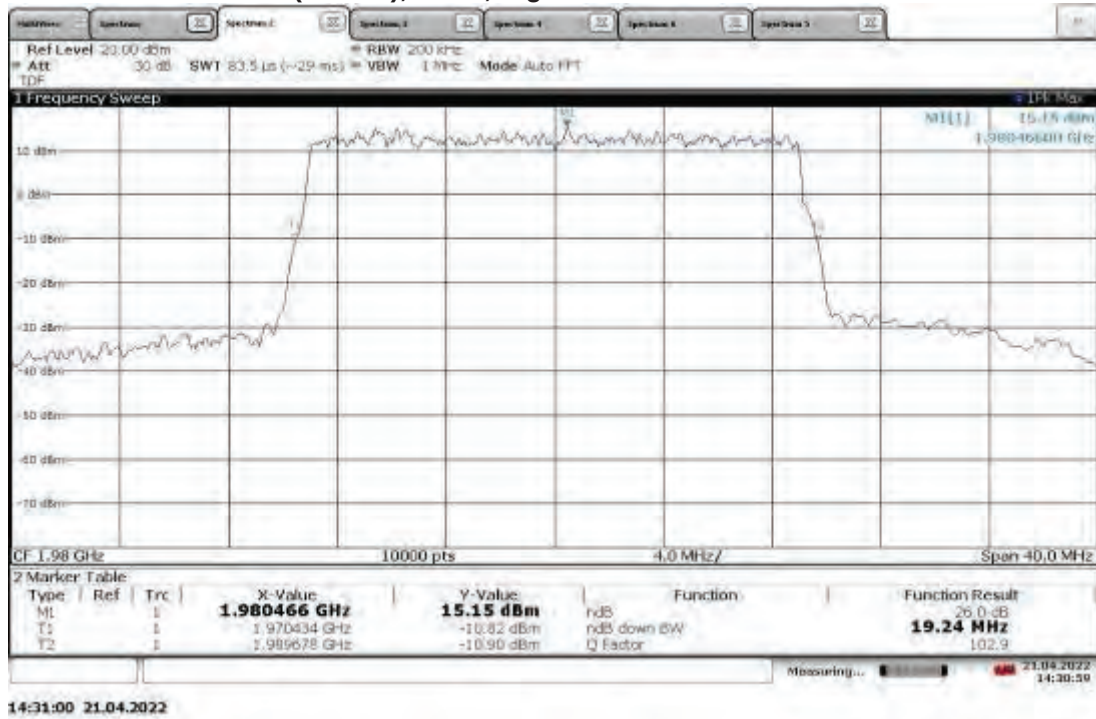
TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel 26 dB Bandwidth



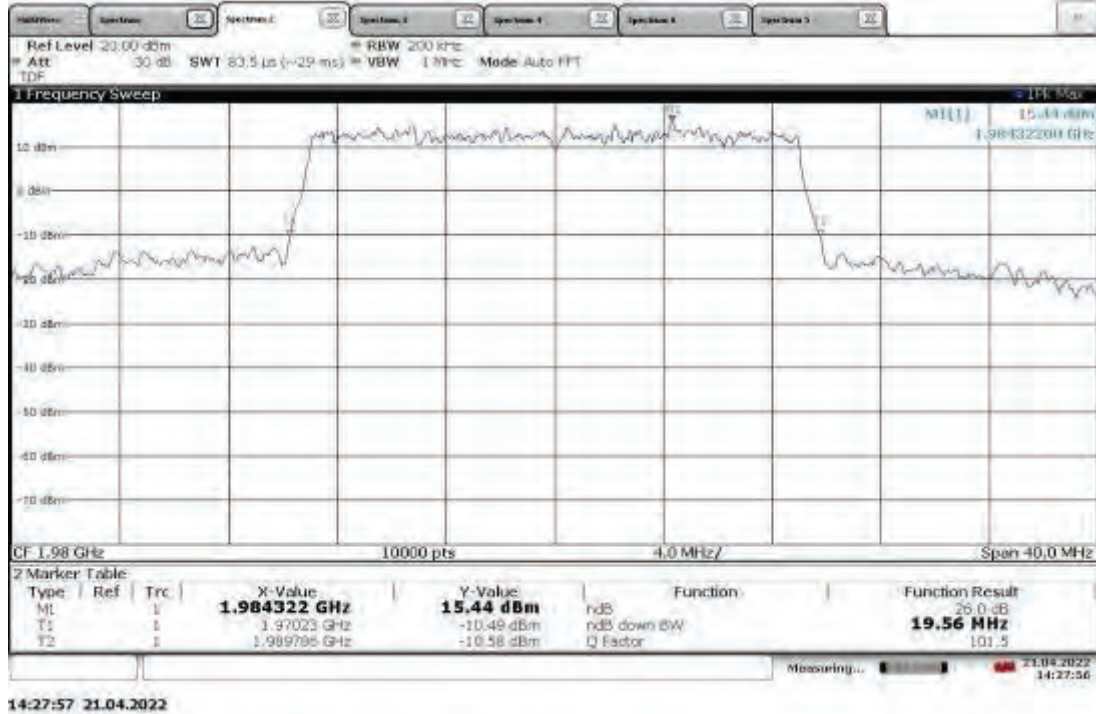
TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel 26 dB Bandwidth



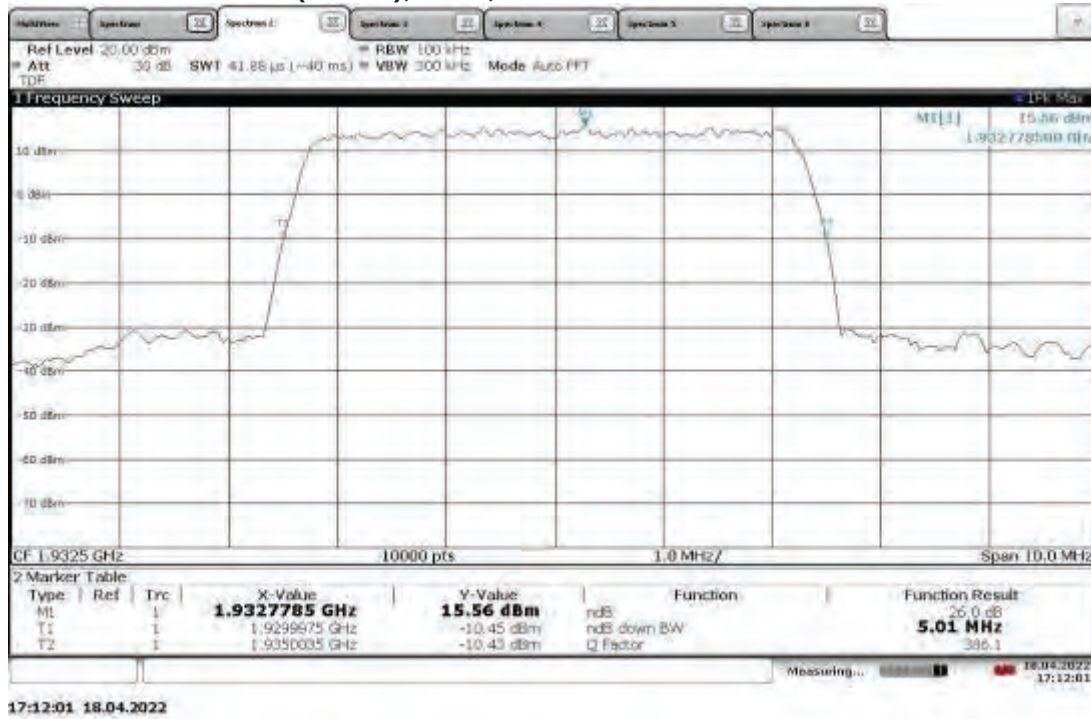
TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel 26 dB Bandwidth



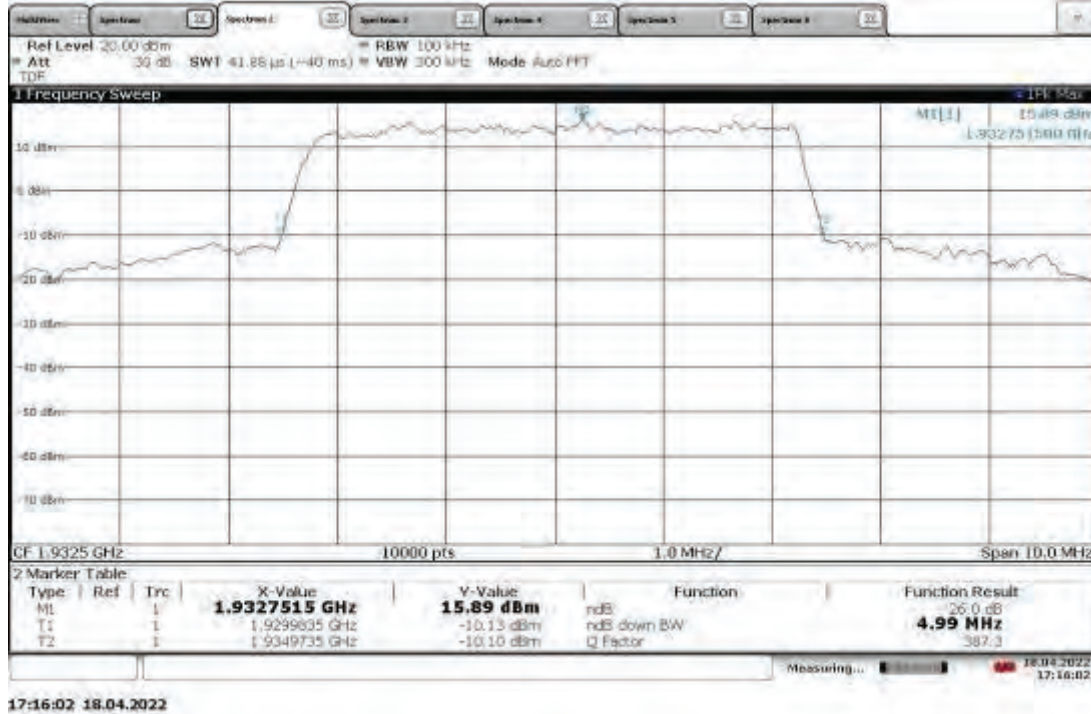
TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel 26 dB Bandwidth



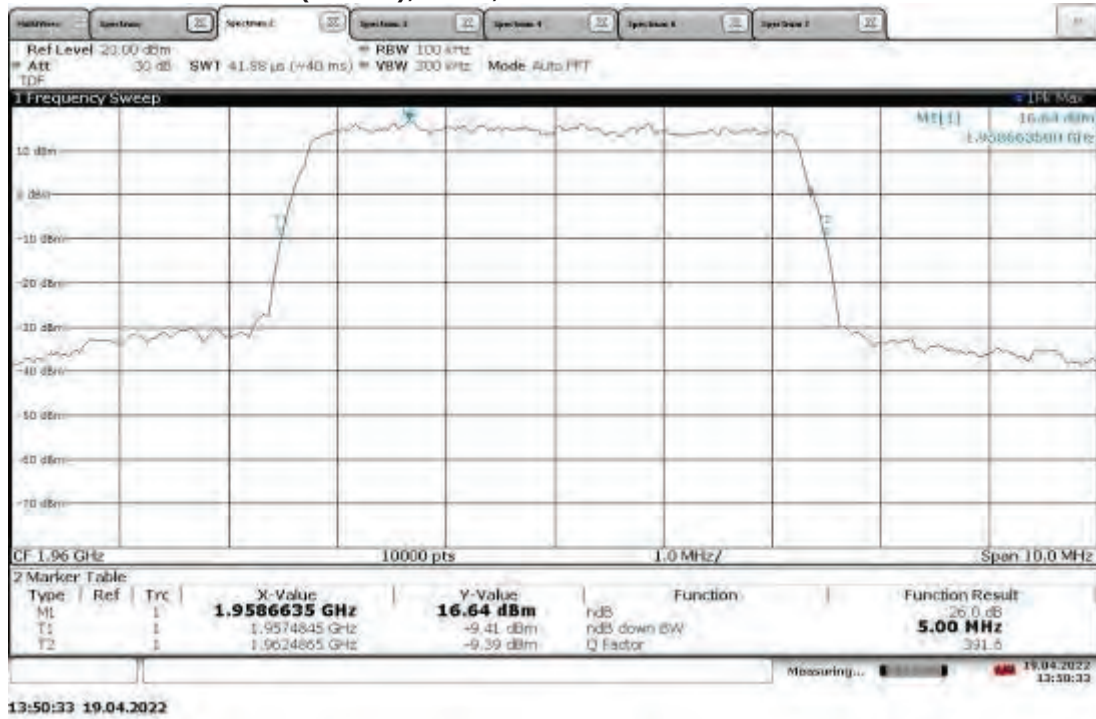
TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel 26 dB Bandwidth



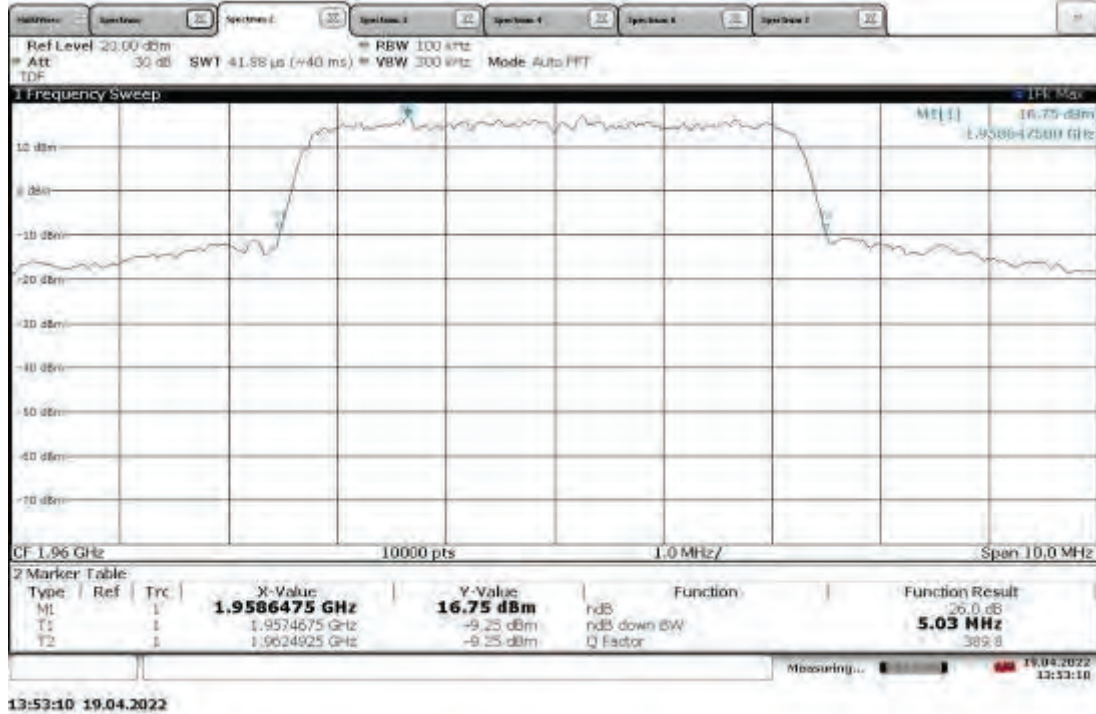
TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel 26 dB Bandwidth



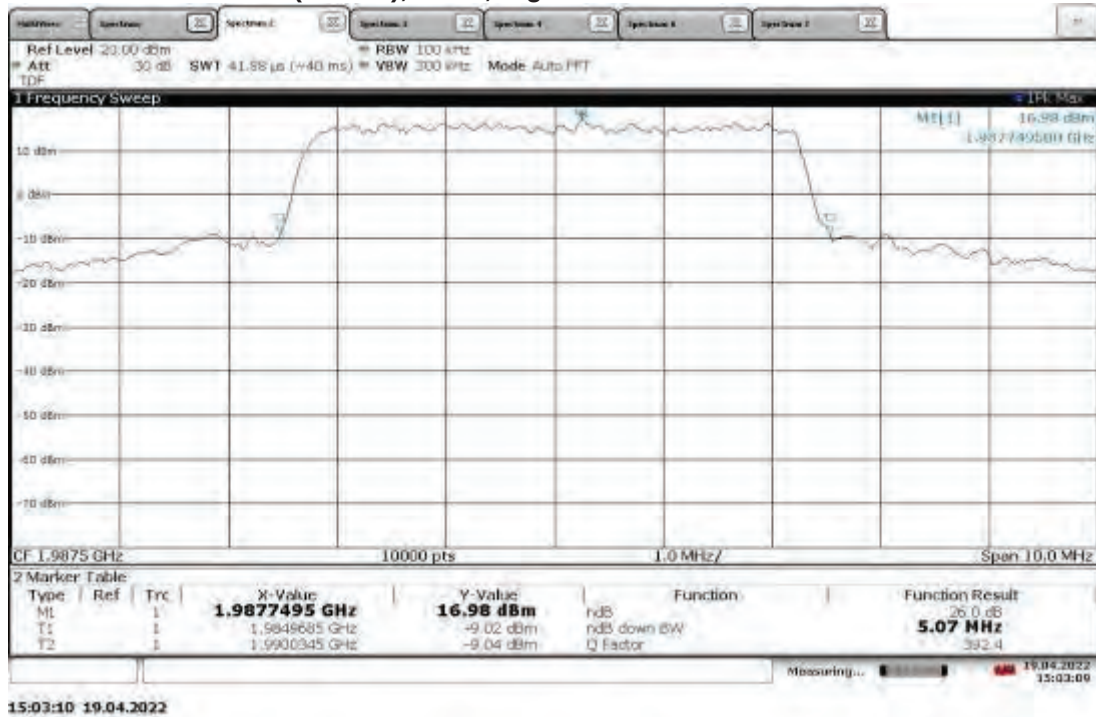
TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel 26 dB Bandwidth



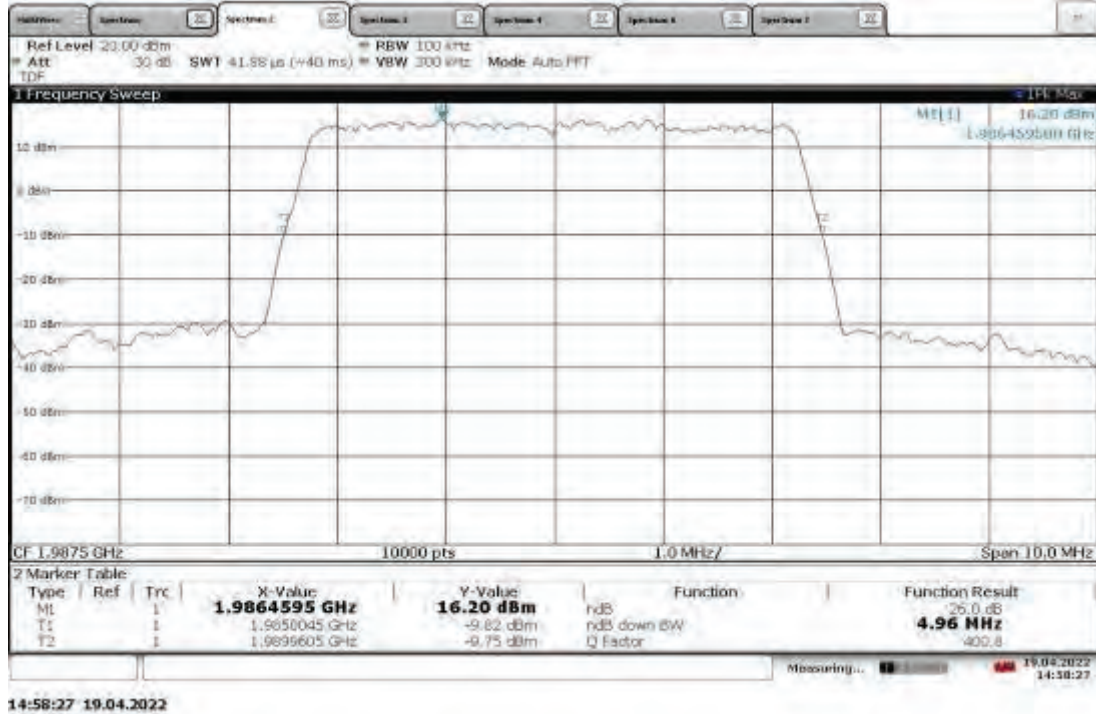
TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel 26 dB Bandwidth



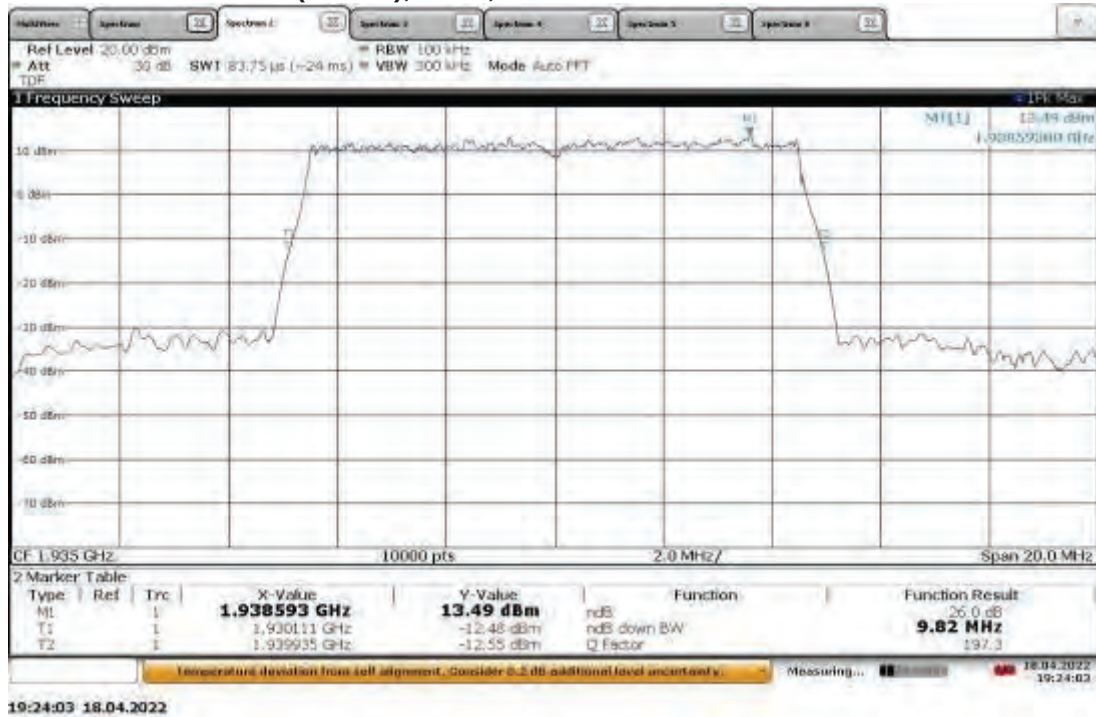
TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel 26 dB Bandwidth



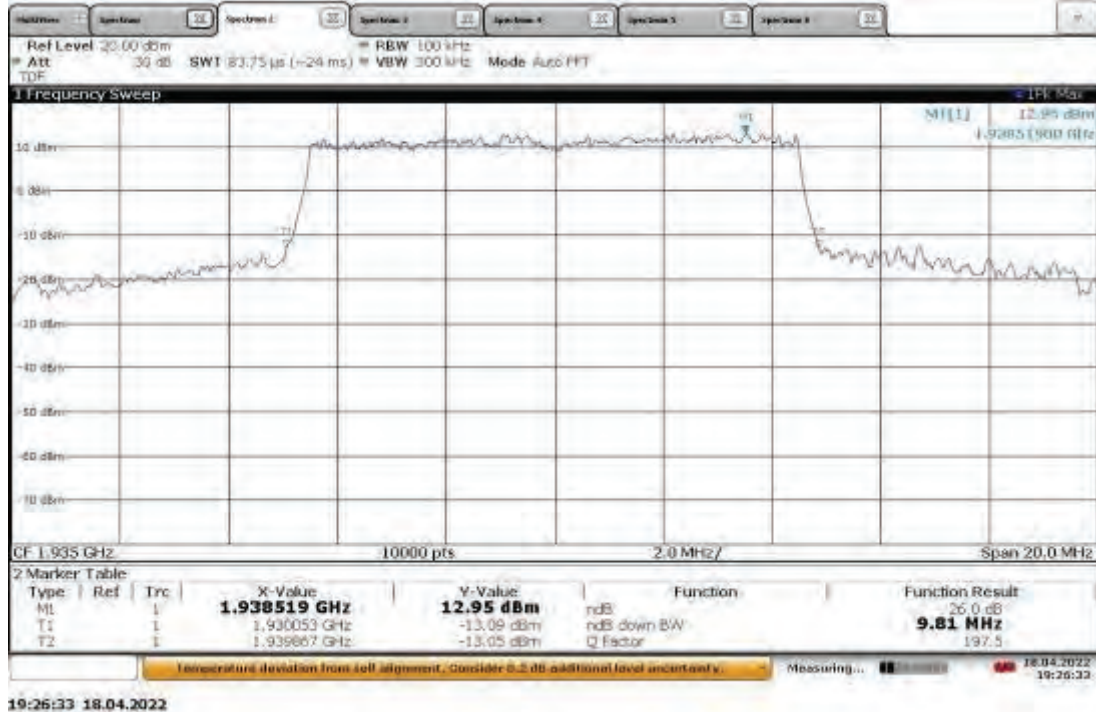
TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel 26 dB Bandwidth



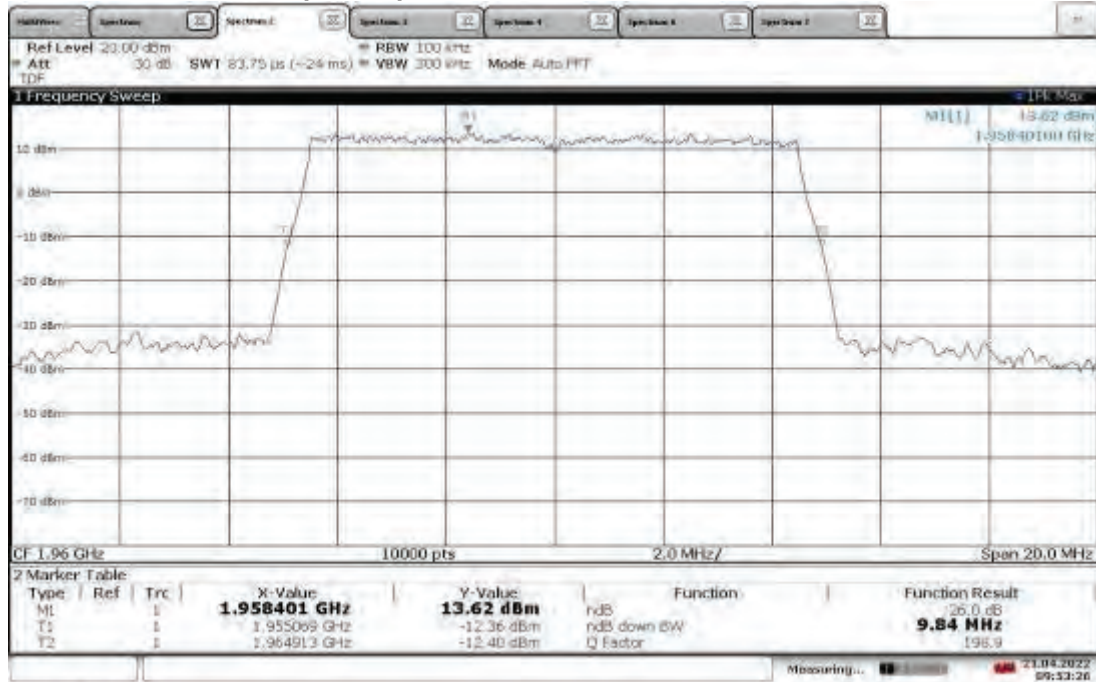
TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel 26 dB Bandwidth



TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel 26 dB Bandwidth

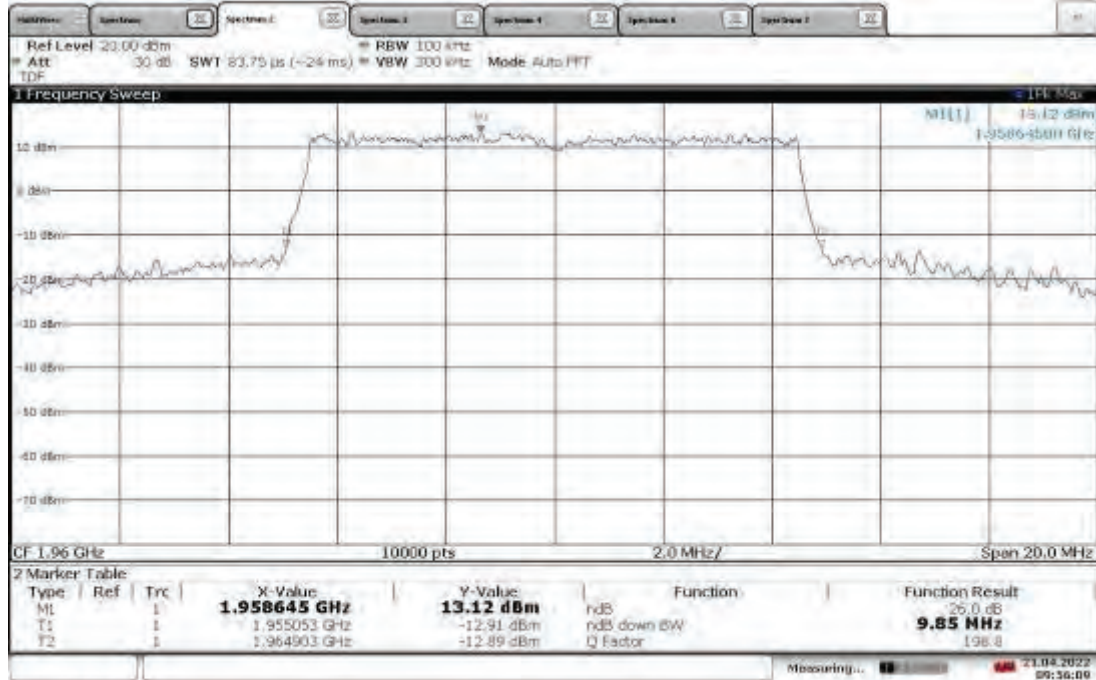


TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Mid Channel **26 dB Bandwidth**



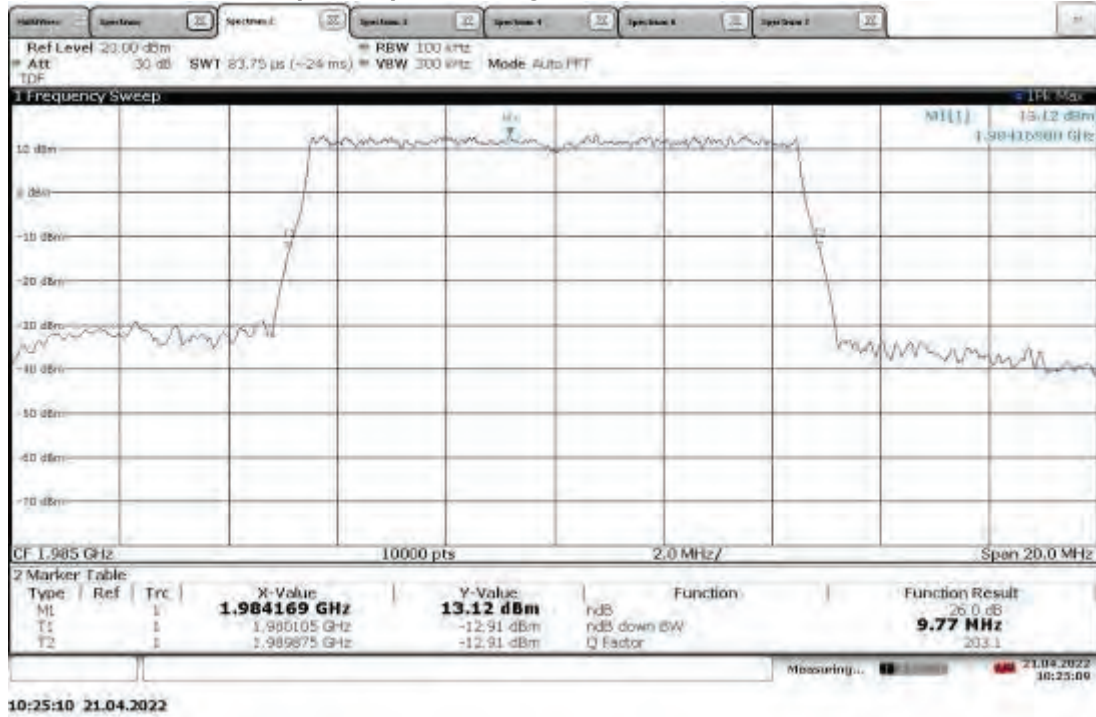
09:53:27 21.04.2022

TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Mid Channel **26 dB Bandwidth**

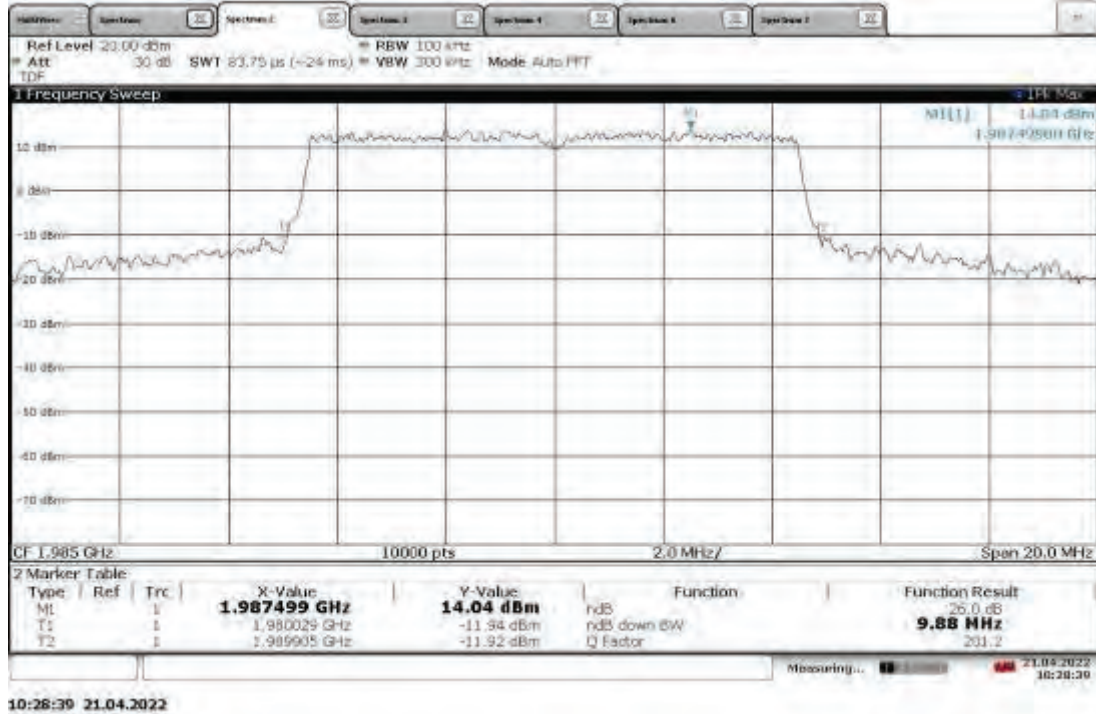


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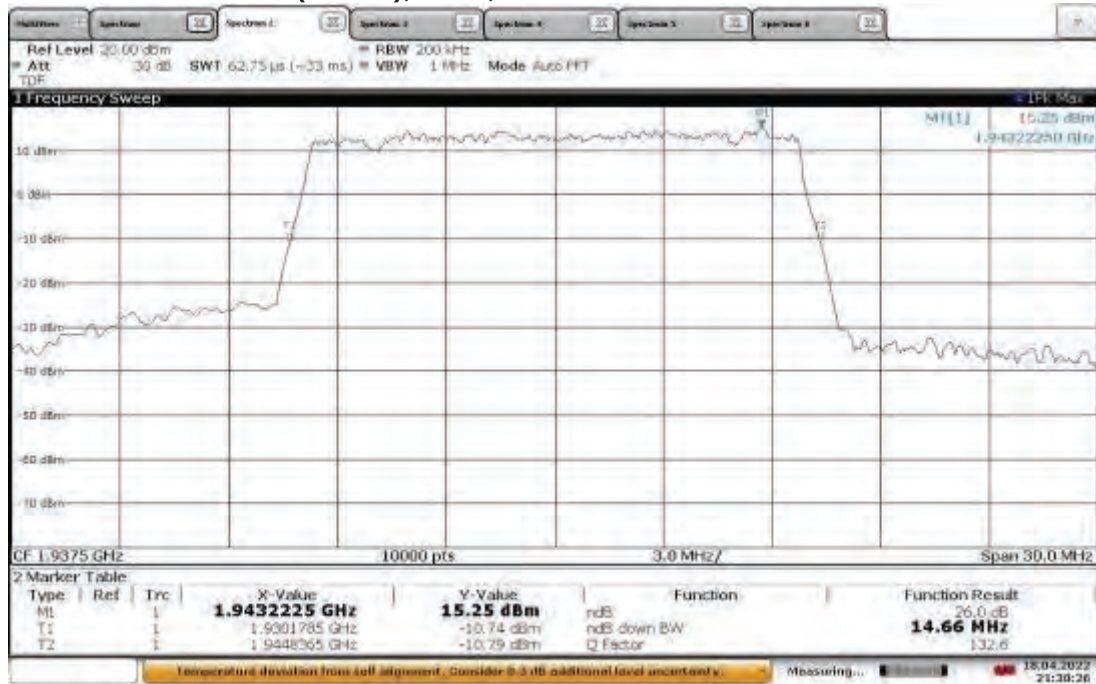
TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, High Channel 26 dB Bandwidth



TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, High Channel 26 dB Bandwidth

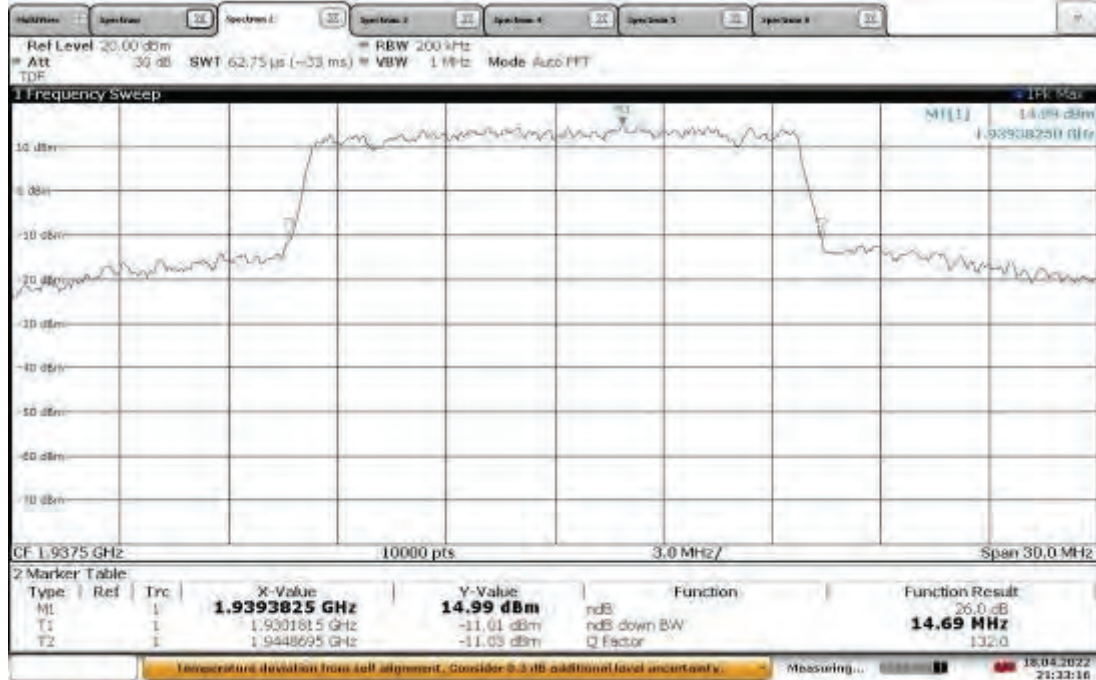


TM3.1-64QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT0, Low Channel 26 dB Bandwidth



21:30:26 18.04.2022

TM3.1-64QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 2), ANT1, Low Channel 26 dB Bandwidth



21:33:16 18.04.2022