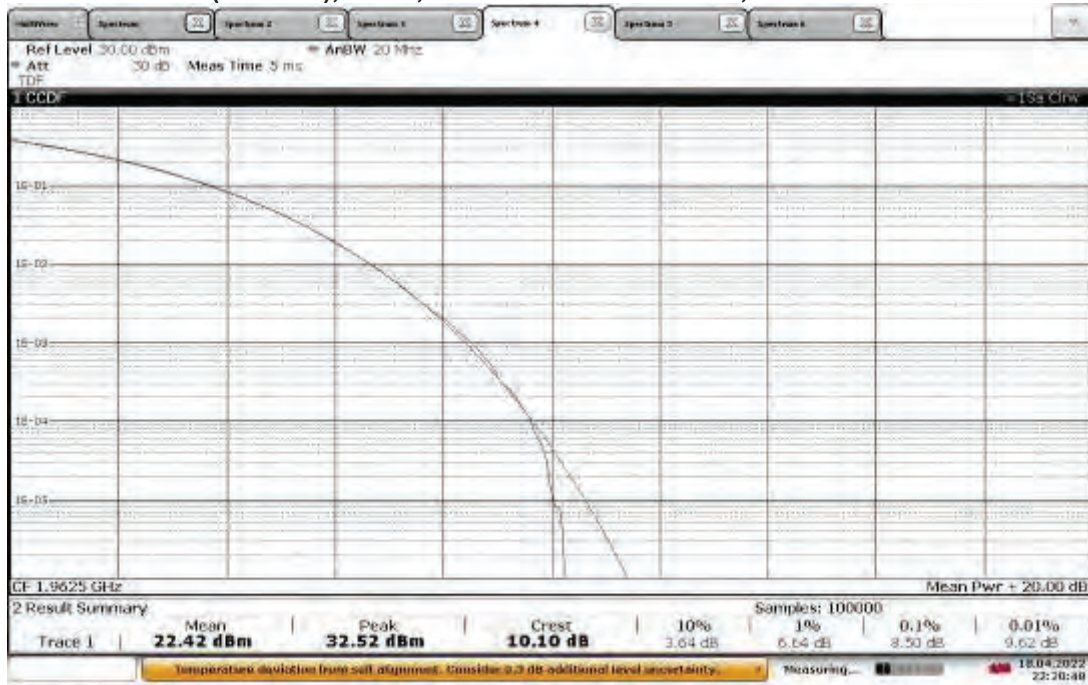
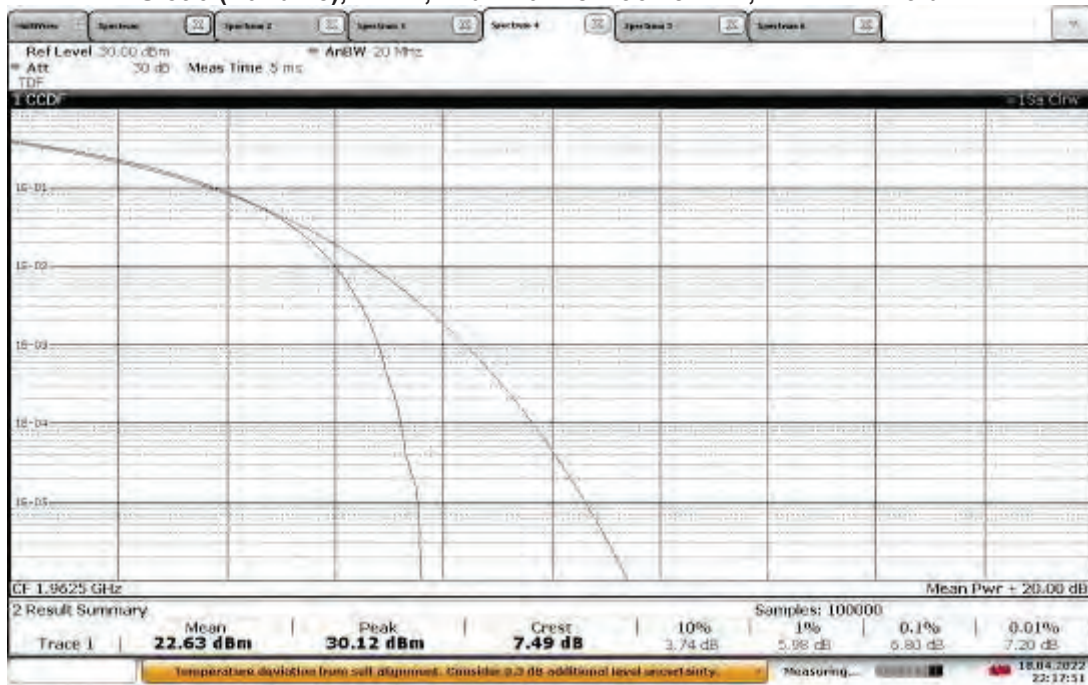


TM3.1a - 256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel 1962.5 MHz, PAPR = 10.10 dB



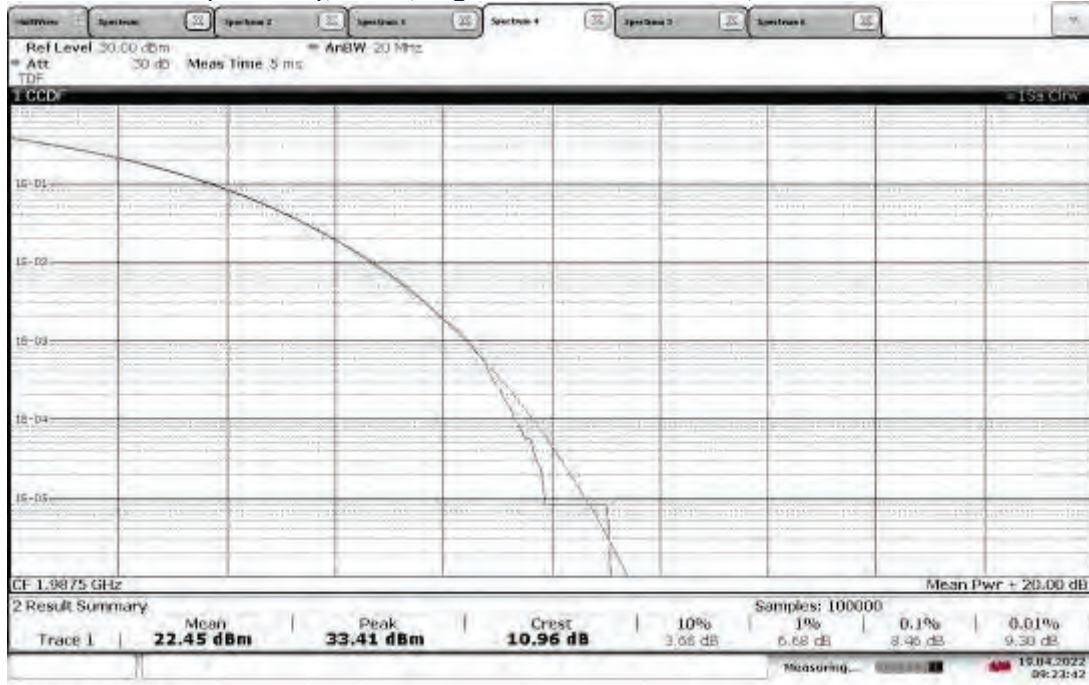
22:20:48 18.04.2022

TM3.1a - 256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel 1962.5 MHz, PAPR = 7.49 dB



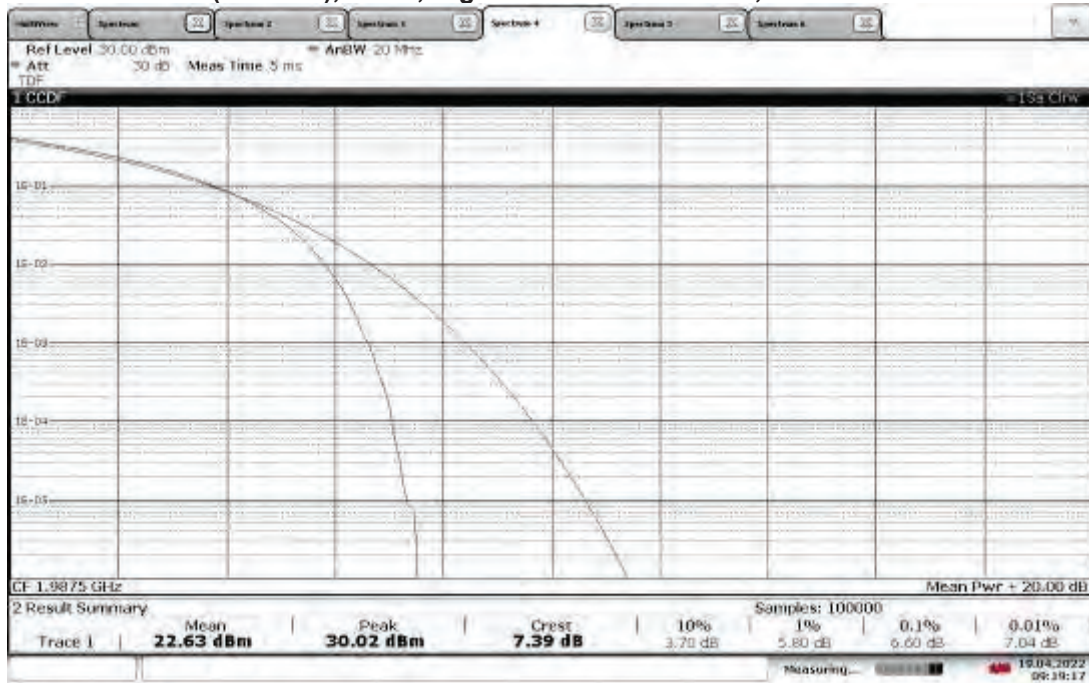
22:17:51 18.04.2022

TM3.1a - 256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel 1987.5 MHz, PAPR = 10.96 dB



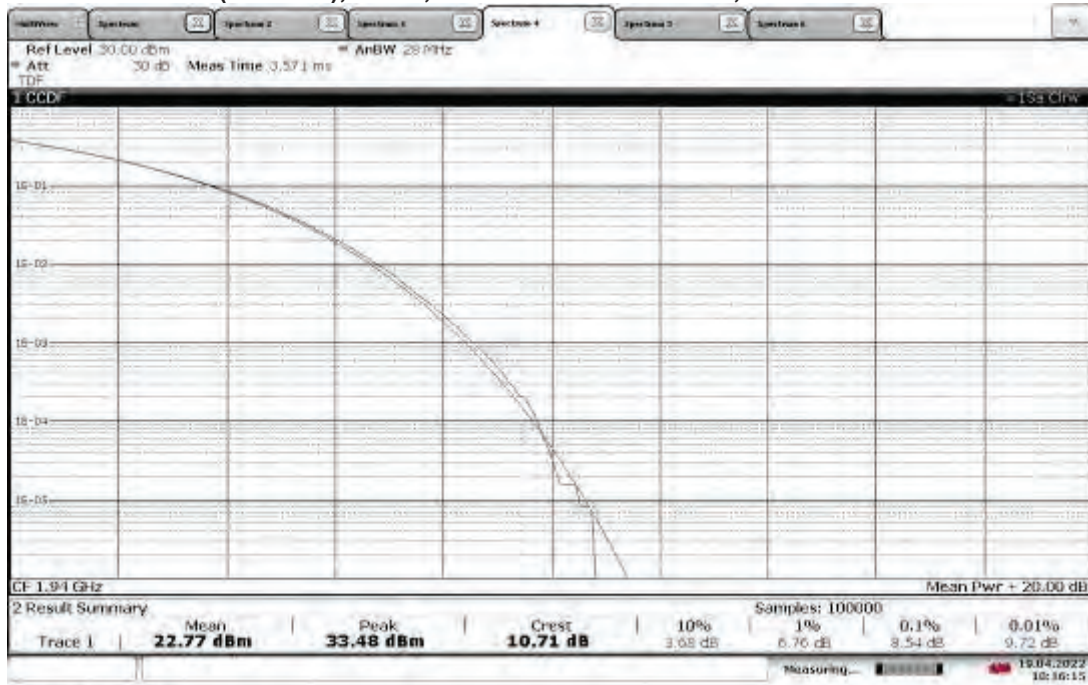
09:23:43 19.04.2022

TM3.1a - 256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel 1987.5 MHz, PAPR = 7.39 dB



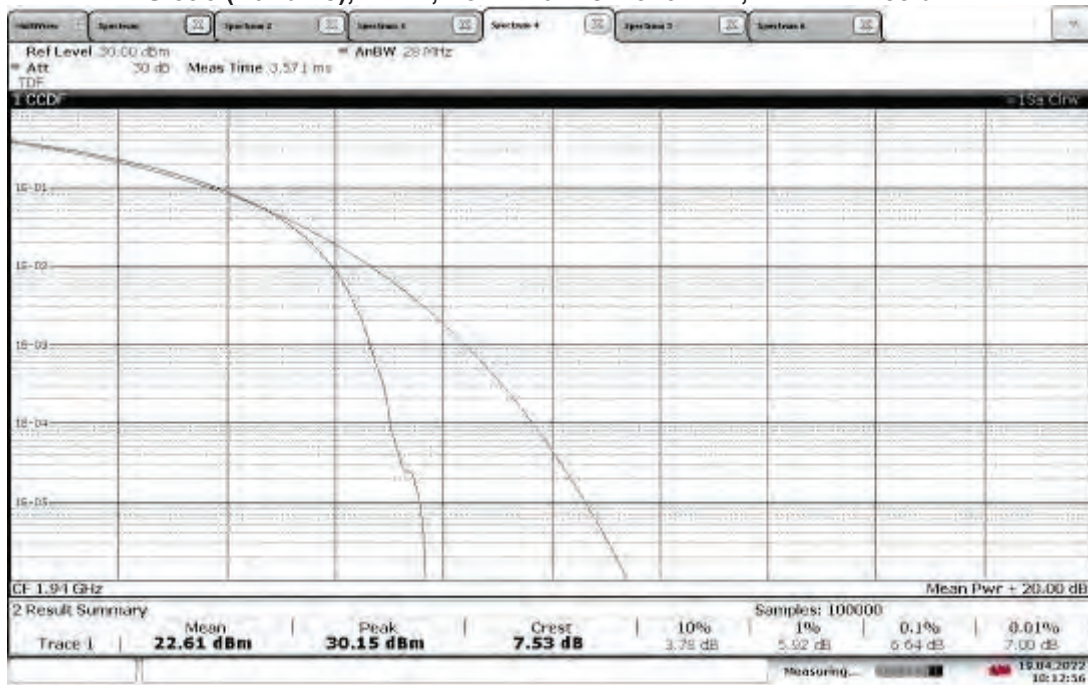
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TM3.1a - 256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel 1940 MHz, PAPR = 10.71 dB



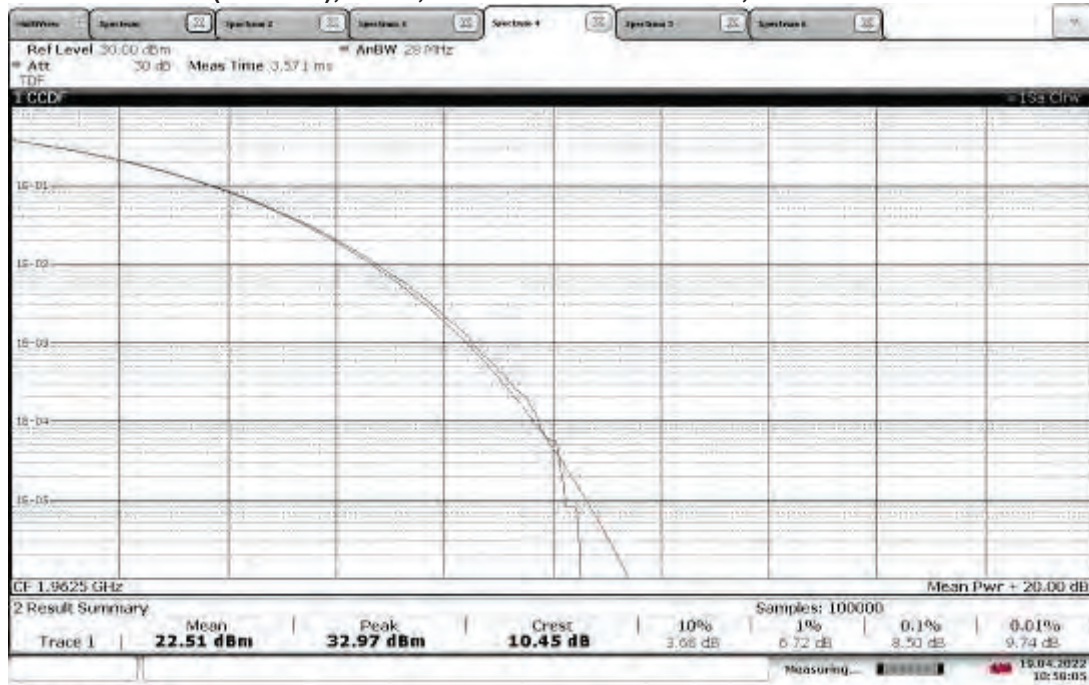
10:16:15 19.04.2022

TM3.1a - 256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel 1940 MHz, PAPR = 7.53 dB



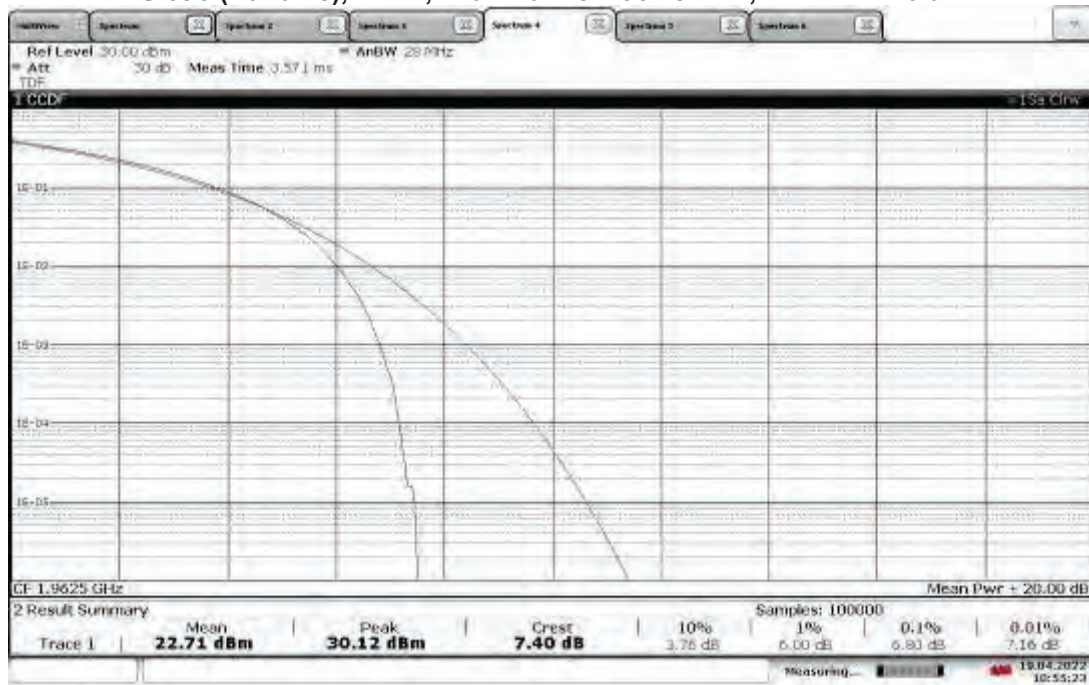
10:12:36 19.04.2022

TM3.1a - 256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel 1962.5 MHz, PAPR = 10.45 dB



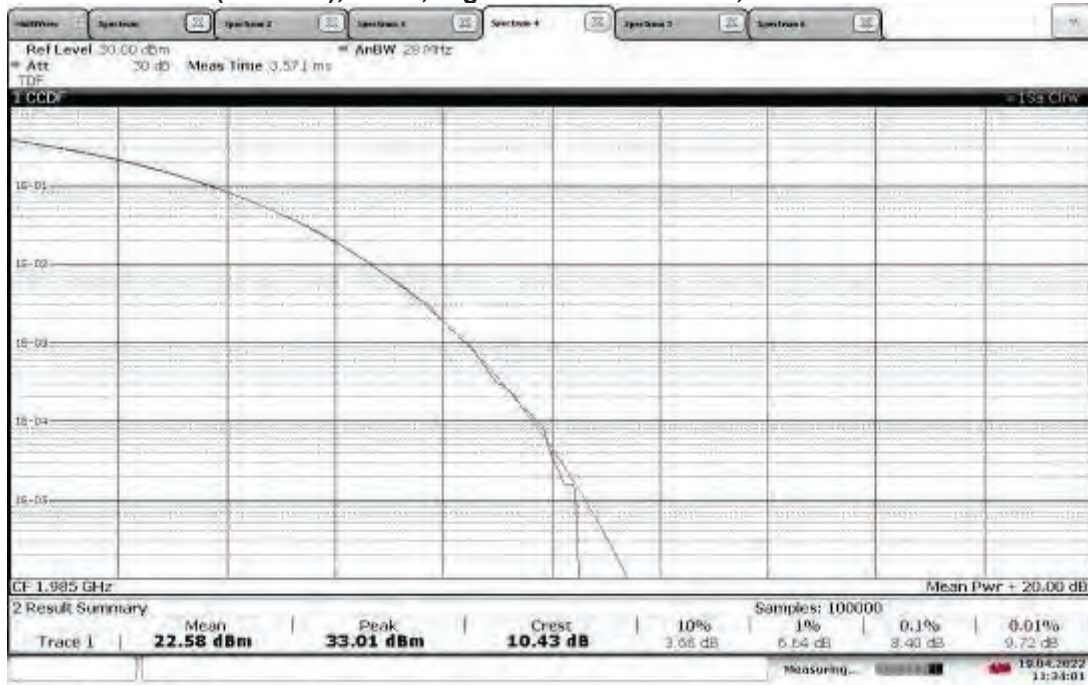
10:58:05 19.04.2022

TM3.1a - 256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel 1962.5 MHz, PAPR = 7.40 dB



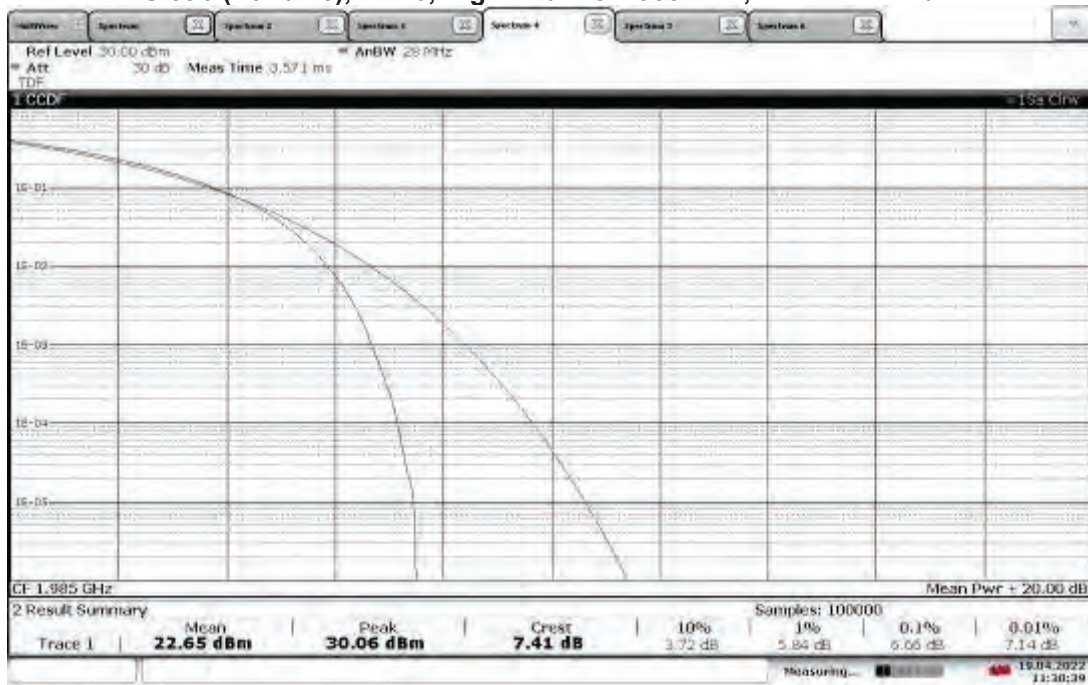
10:55:24 19.04.2022

TM3.1a - 256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel 1985 MHz, PAPR = 10.43 dB



11:34:01 19.04.2022

TM3.1a - 256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel 1985 MHz, PAPR = 7.41 dB



11:30:39 19.04.2022

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

Test Date: 05/18/2022, 05/19/2022

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

Limit Applied: See report section 7.3

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

Ambient Temperature: 25, 25 °C

Relative Humidity: 18, 34 %

Atmospheric Pressure: 1015, 988 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 Schwartz	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 25), 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	1962.50	ANT0	4.496	4.95
		ANT1	5.520	5.11
High	1992.50	ANT0	4.498	4.98
		ANT1	4.530	5.28

Slot 0 (Band 25), Bandwidth: 10 MHz, Modulation: TM1.1-QPSK (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1935.00	ANT0	8.963	9.82
		ANT1	8.989	9.98
Mid	1962.50	ANT0	8.972	9.79
		ANT1	8.990	9.92
High	1990.00	ANT0	8.965	9.81
		ANT1	8.991	9.88

Slot 0 (Band 25), 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	1962.50	ANT0	13.460	14.74
		ANT1	13.504	14.52
High	1987.5	ANT0	13.440	14.68
		ANT1	13.474	14.76

Slot 0 (Band 25), Bandwidth: 20 MHz, Modulation: TM1.1-QPSK (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1940.00	ANT0	17.883	19.40
		ANT1	17.904	19.45
Mid	1962.50	ANT0	17.917	19.29
		ANT1	17.893	19.42
High	1985.00	ANT0	17.874	19.46
		ANT1	17.915	19.36

Slot 0 (Band 25), 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	1962.50	ANT0	4.489	4.95
		ANT1	4.512	4.98
High	1992.50	ANT0	4.494	4.95
		ANT1	4.519	4.07

Slot 0 (Band 25), Bandwidth: 10 MHz, Modulation: TM3.2-16QAM (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1935.00	ANT0	8.967	9.62
		ANT1	8.976	9.78
Mid	1962.50	ANT0	8.978	9.73
		ANT1	8.986	9.82
High	1990.00	ANT0	8.972	9.73
		ANT1	8.979	9.83

Slot 0 (Band 25), 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	1962.50	ANT0	13.473	14.54
		ANT1	13.491	14.56
High	1987.5	ANT0	13.459	14.54
		ANT1	13.474	14.41

Slot 0 (Band 25), Bandwidth: 20 MHz, Modulation: TM3.2-16QAM (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1940.00	ANT0	17.912	19.36
		ANT1	17.925	19.24
Mid	1962.50	ANT0	17.927	19.34
		ANT1	17.939	19.47
High	1985.00	ANT0	17.909	19.32
		ANT1	17.942	19.40

Slot 0 (Band 25), 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
4.98Mid	1962.50	ANT0	4.538	4.96
		ANT1	4.553	4.98
High	1992.50	ANT0	4.539	5.00
		ANT1	4.564	5.05

Slot 0 (Band 25), Bandwidth: 10 MHz, Modulation: TM3.1-64QAM (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1935.00	ANT0	8.975	9.82
		ANT1	8.995	9.81
Mid	1962.50	ANT0	8.979	9.82
		ANT1	8.996	9.82
High	1990.00	ANT0	8.973	9.92
		ANT1	8.995	9.82

Slot 0 (Band 25), 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	1962.50	ANT0	13.480	14.73
		ANT1	13.511	14.75
High	1987.50	ANT0	13.457	14.70
		ANT1	13.495	14.80

Slot 0 (Band 25), Bandwidth: 20 MHz, Modulation: TM3.1-64QAM (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1940.00	ANT0	17.886	19.36
		ANT1	17.900	19.45
Mid	1962.50	ANT0	17.902	19.32
		ANT1	17.921	19.37
High	1985.00	ANT0	17.882	19.42
		ANT1	17.921	19.42

Slot 0 (Band 25), 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	1962.50	ANT0	4.514	5.00
		ANT1	4.535	4.97
High	1992.50	ANT0	4.516	4.97
		ANT1	4.538	5.01

Slot 0 (Band 25), Bandwidth: 10 MHz, Modulation: TM3.1a-256QAM (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1935.00	ANT0	8.960	9.72
		ANT1	8.986	9.76
Mid	1962.50	ANT0	8.959	9.88
		ANT1	8.983	9.70
High	1990.00	ANT0	8.950	9.77
		ANT1	8.972	9.83

Slot 0 (Band 25), 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	1962.50	ANT0	13.466	14.51
		ANT1	13.491	14.71
High	1987.50	ANT0	13.450	14.69
		ANT1	13.483	14.60

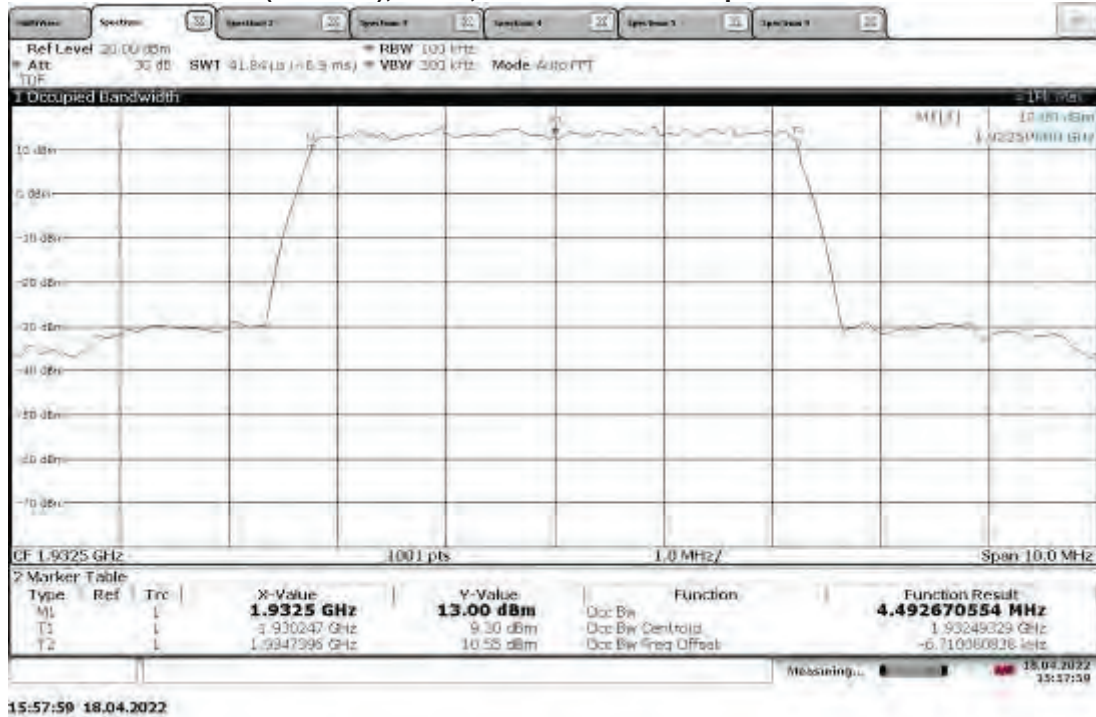
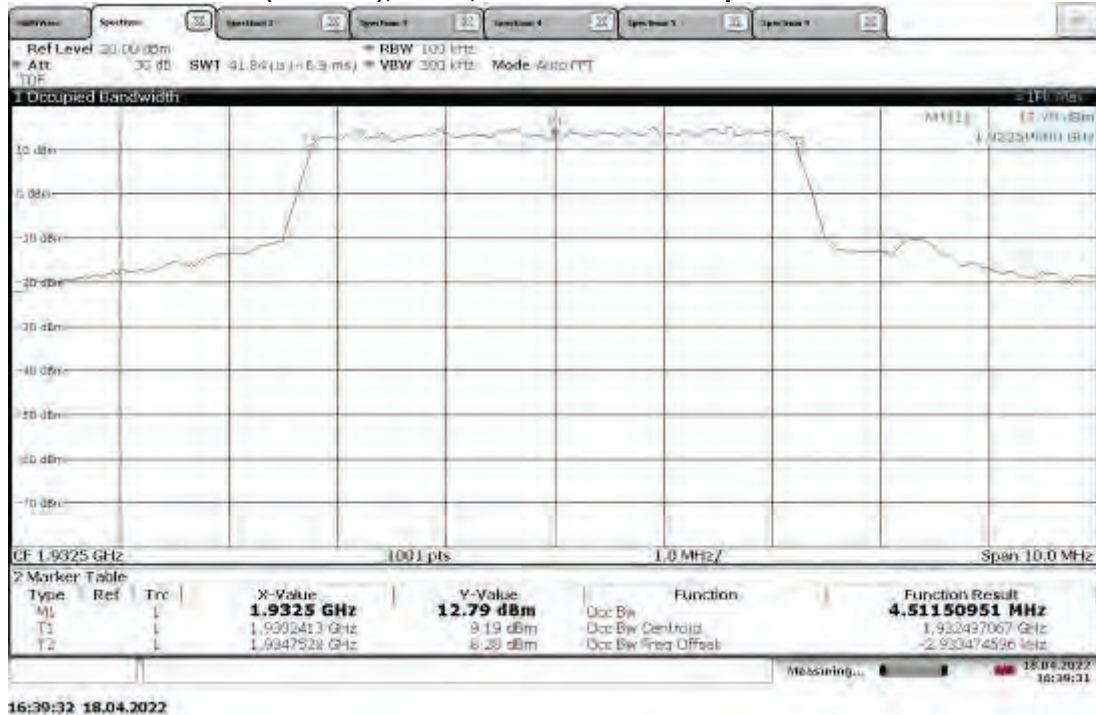
Slot 0 (Band 25), Bandwidth: 20 MHz, Modulation: TM3.1a-256QAM (4G LTE)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1940.00	ANT0	17.880	19.36
		ANT1	17.898	19.40
Mid	1962.50	ANT0	17.897	19.37
		ANT1	17.918	19.41
High	1985.00	ANT0	17.876	19.36
		ANT1	17.922	19.56

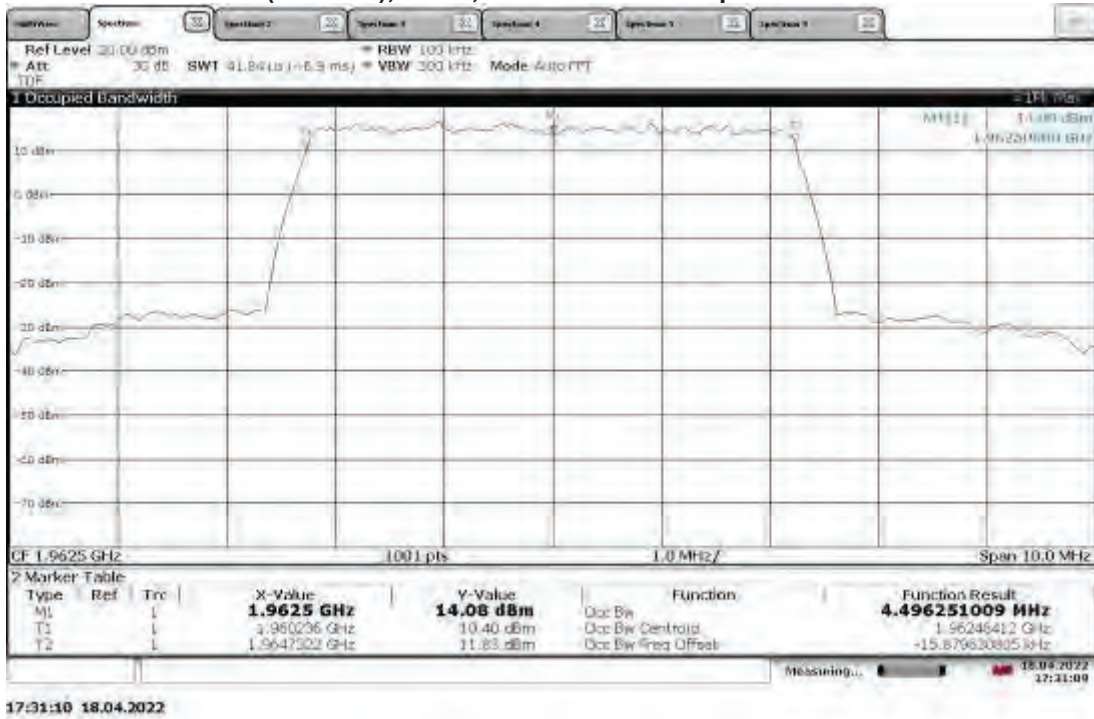
8.4 Setup Photograph:

Confidential – Photos not included in this report

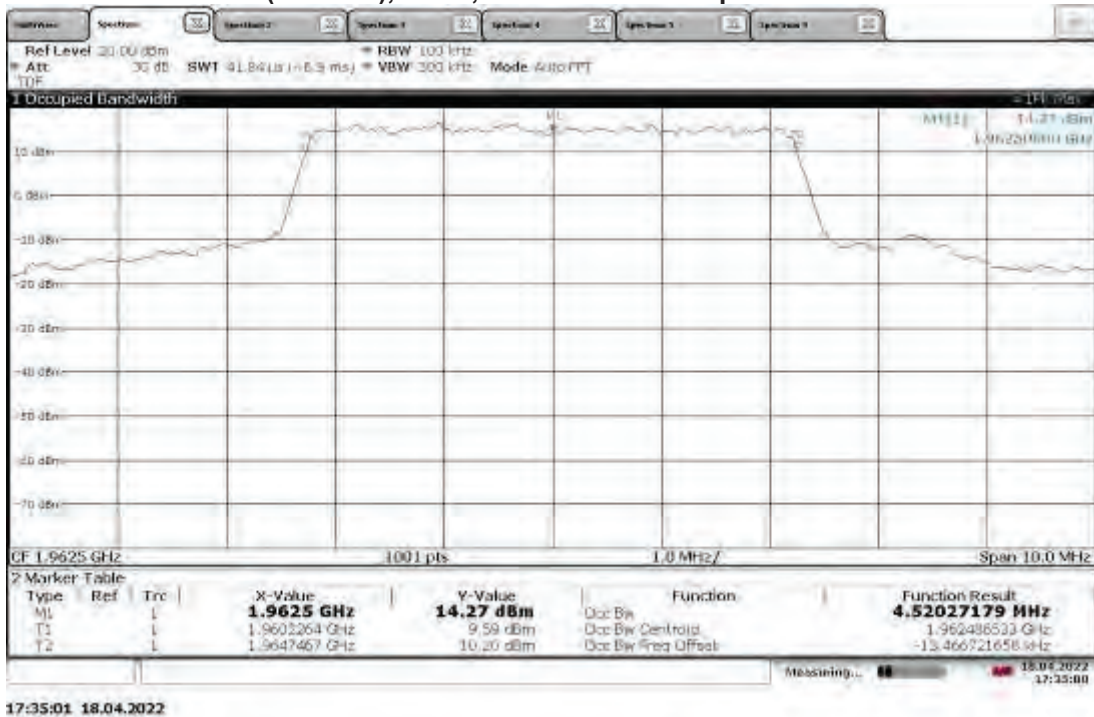
8.5 Plots/Data:

**TM1.1-QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel Occupied Bandwidth****TM1.1-QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel Occupied Bandwidth**

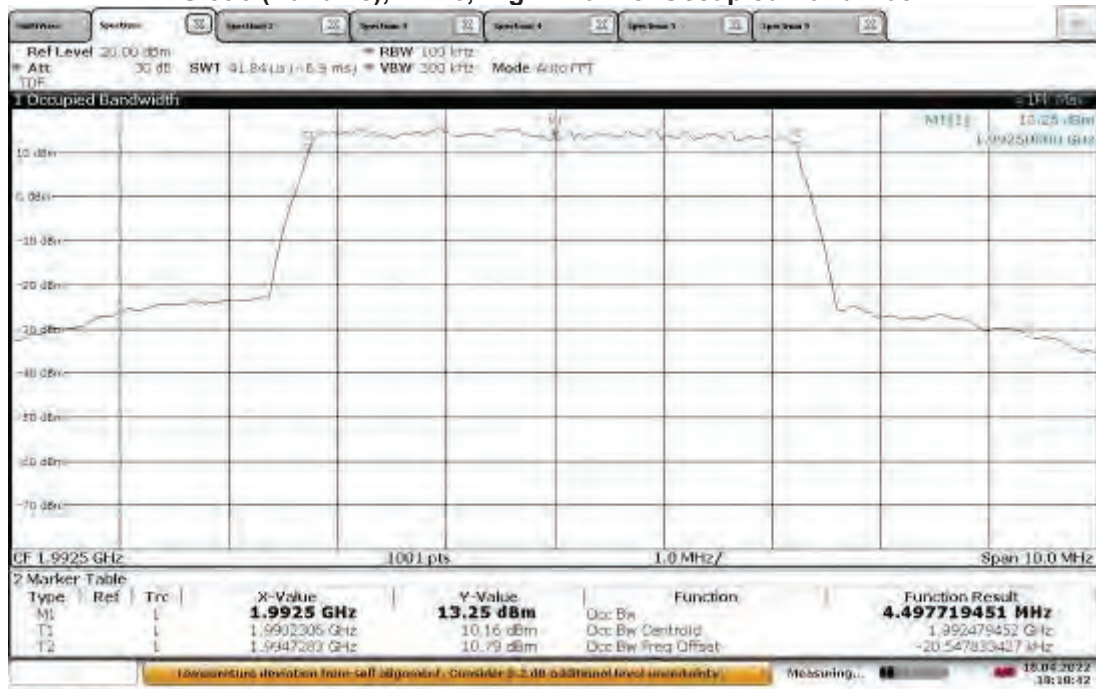
TM1.1-QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel Occupied Bandwidth



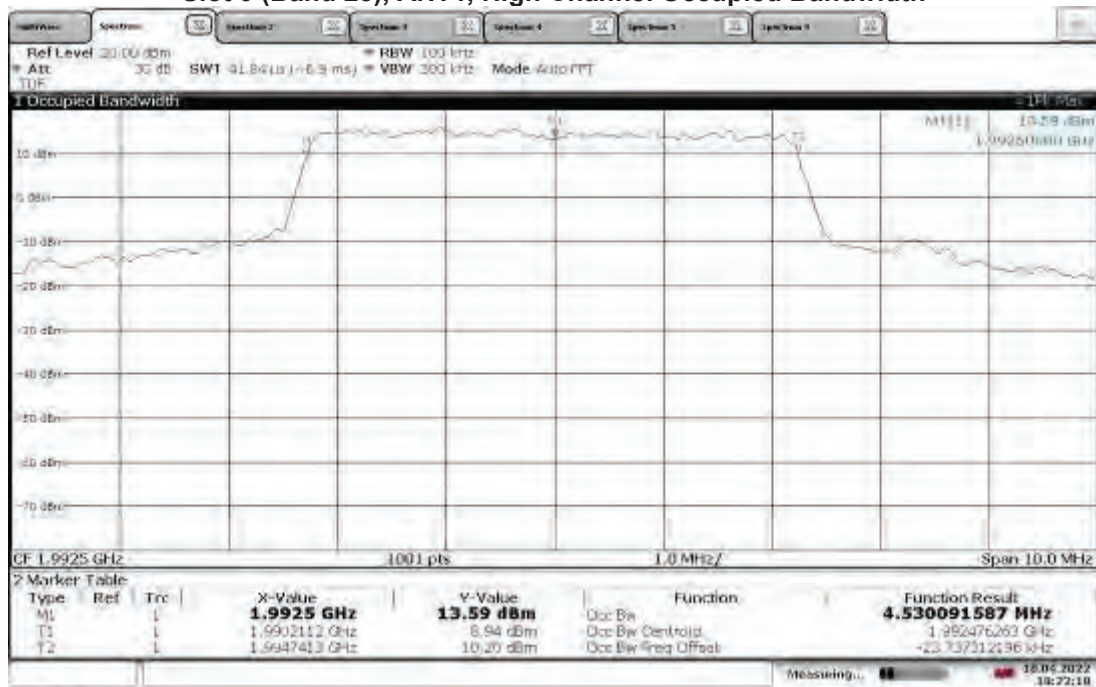
TM1.1-QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel Occupied Bandwidth



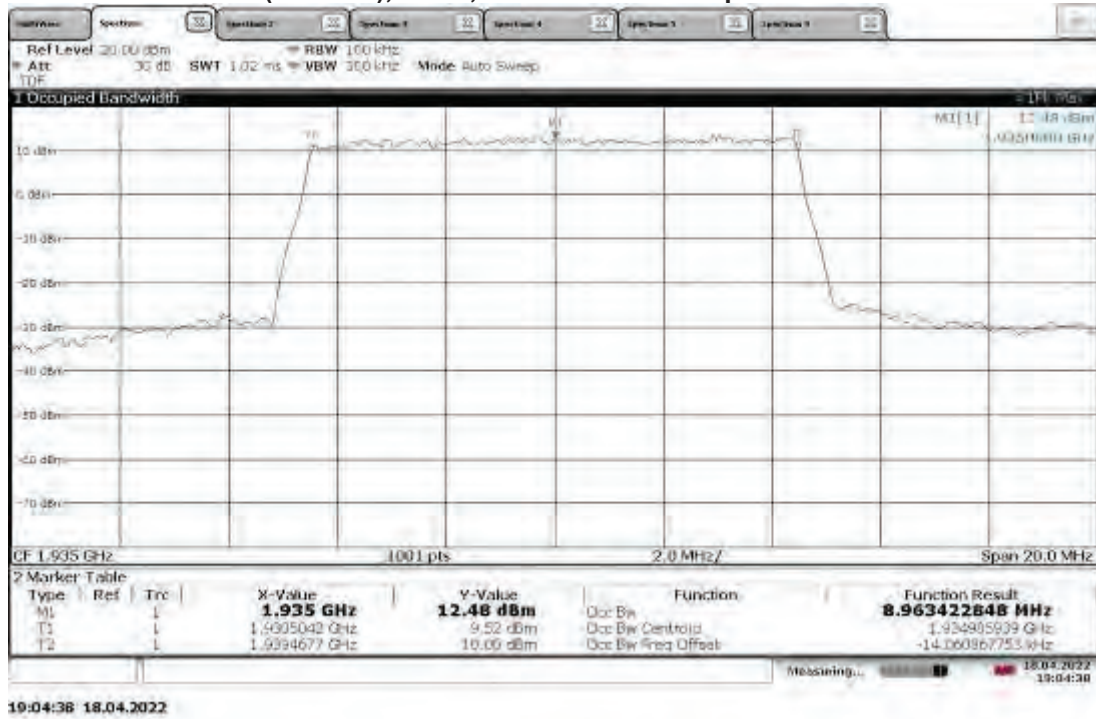
**TM1.1-QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel Occupied Bandwidth**



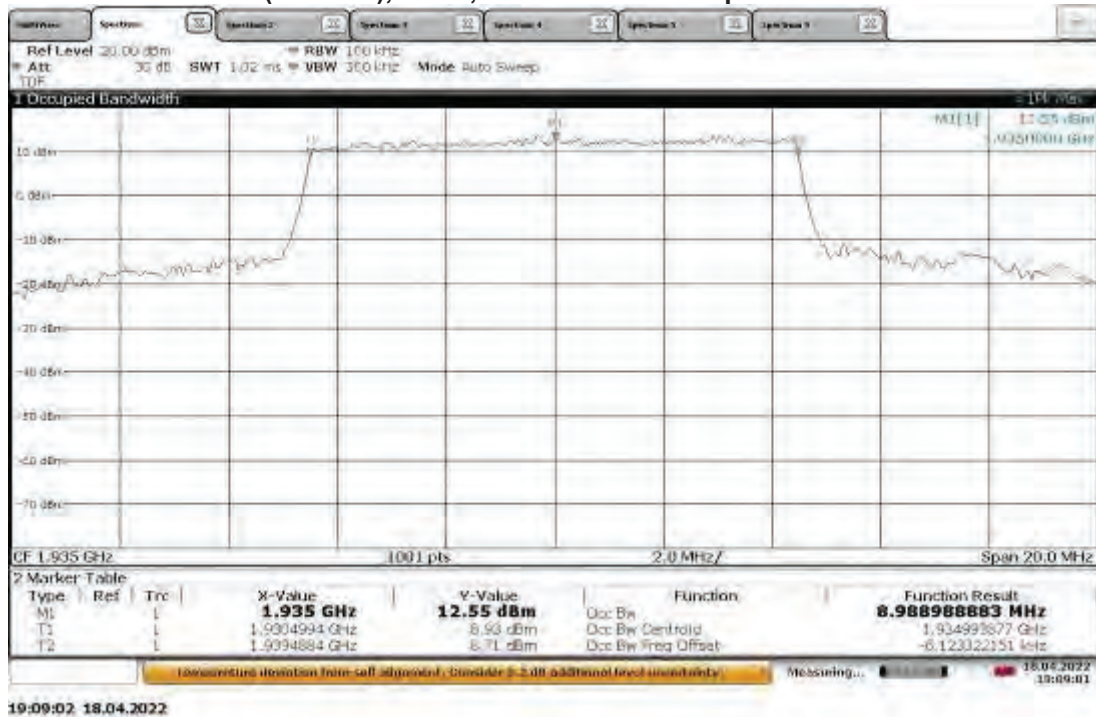
**TM1.1-QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel Occupied Bandwidth**



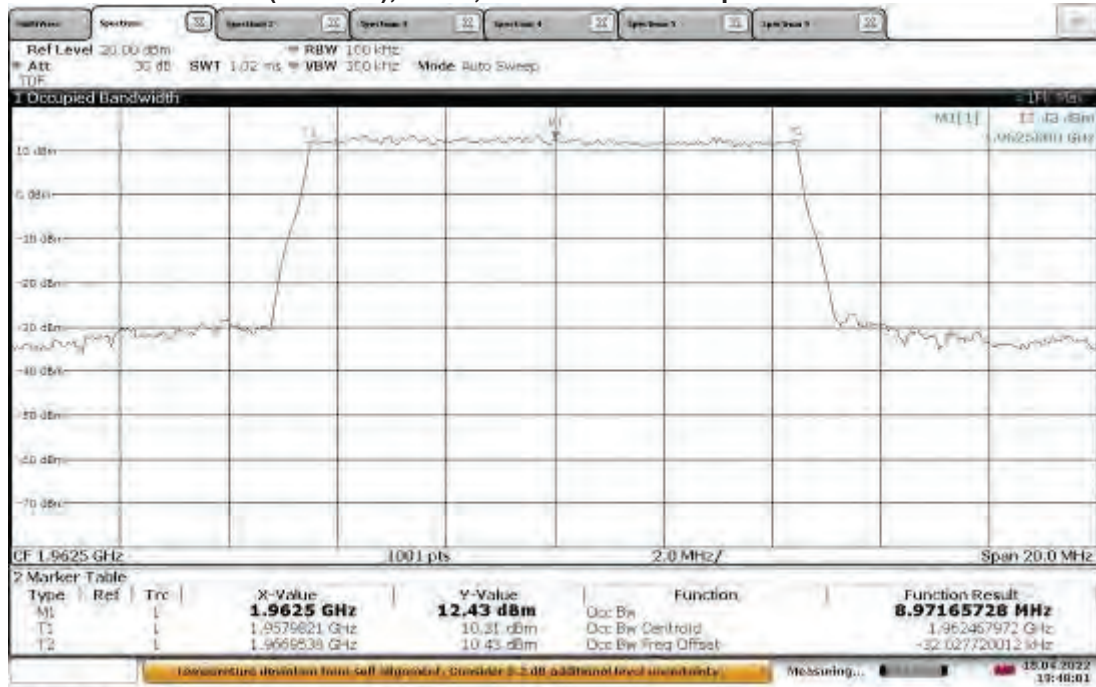
**TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel Occupied Bandwidth**



**TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel Occupied Bandwidth**

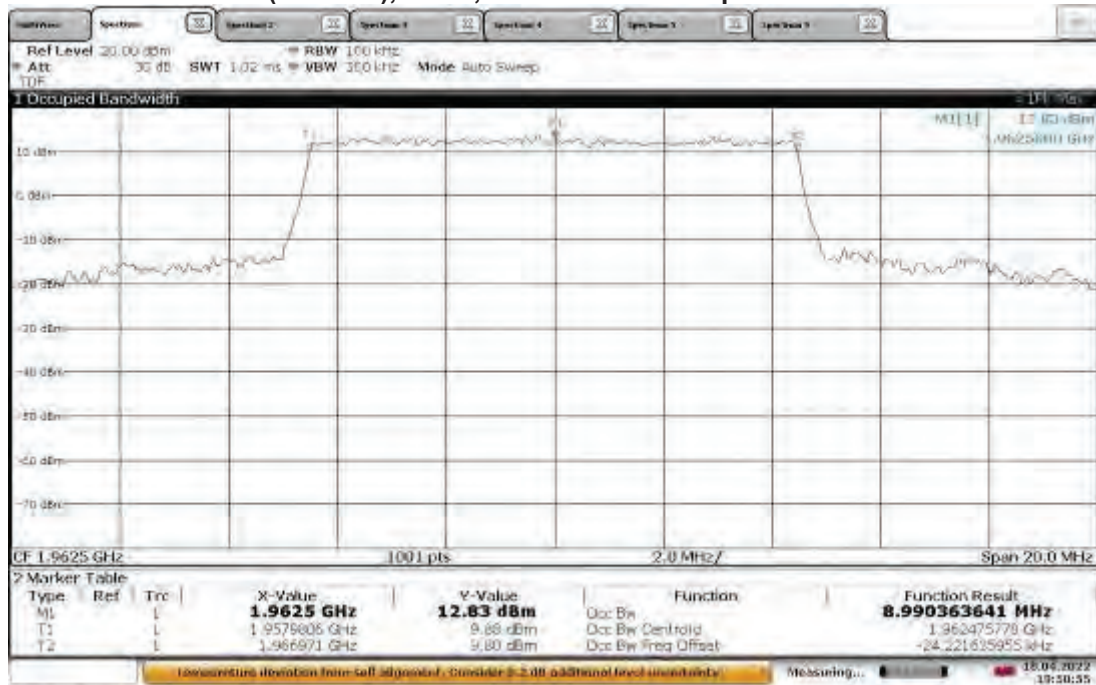


**TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel Occupied Bandwidth**



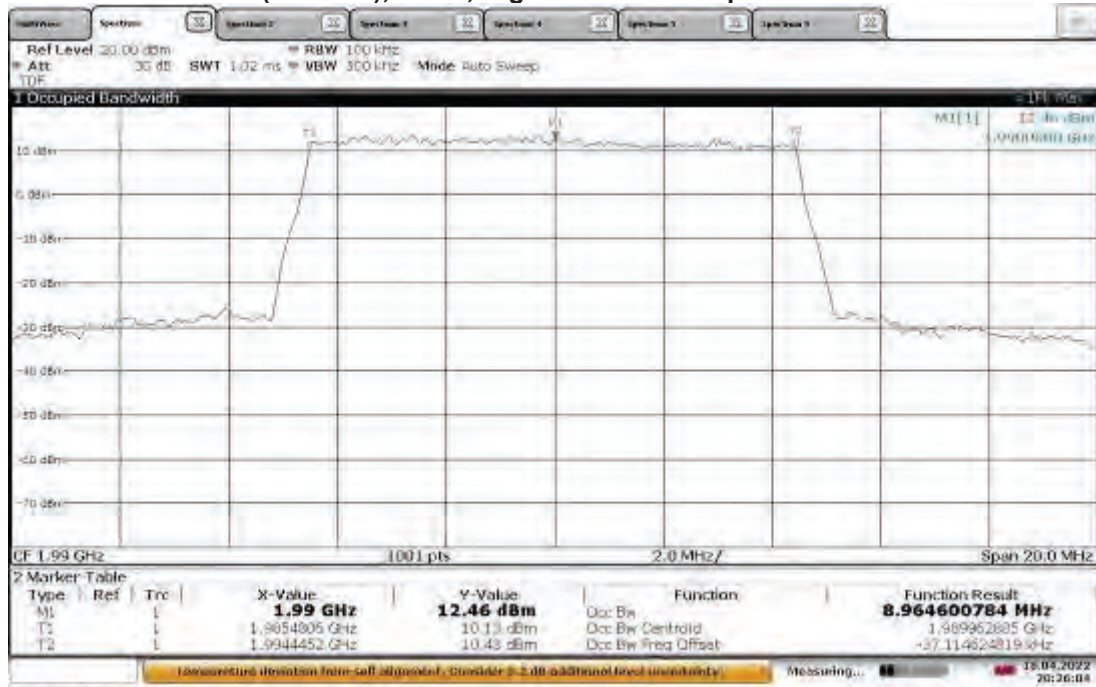
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**TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel Occupied Bandwidth**



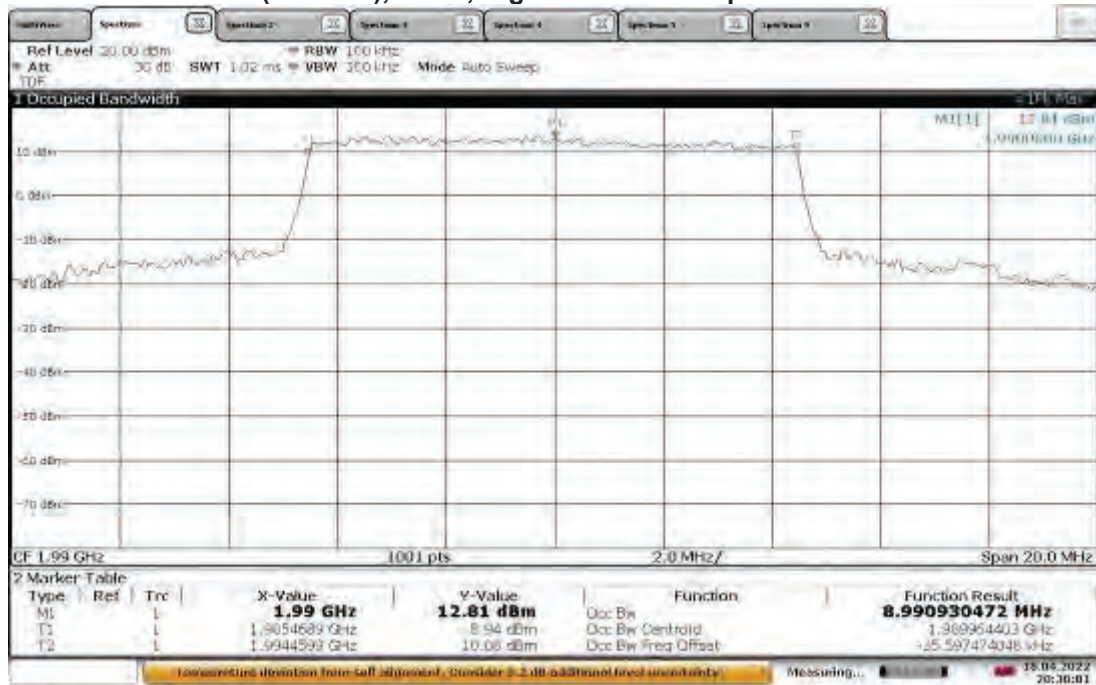
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**TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel Occupied Bandwidth**



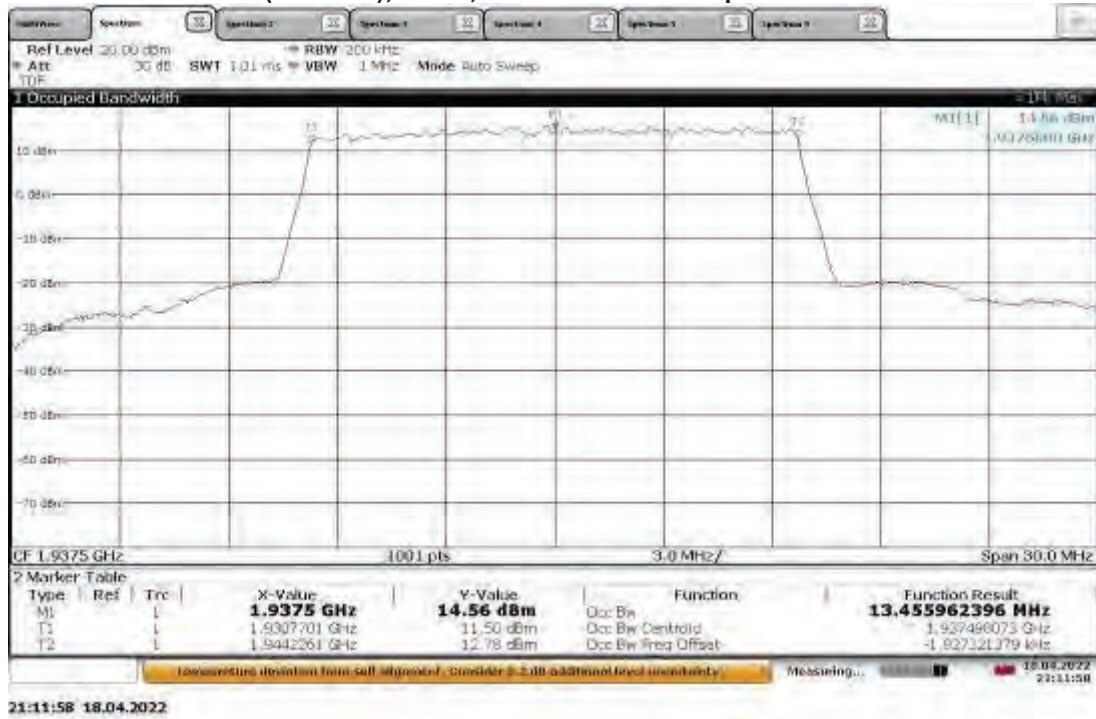
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Slot 0 (Band 25), ANT1, High Channel Occupied Bandwidth**

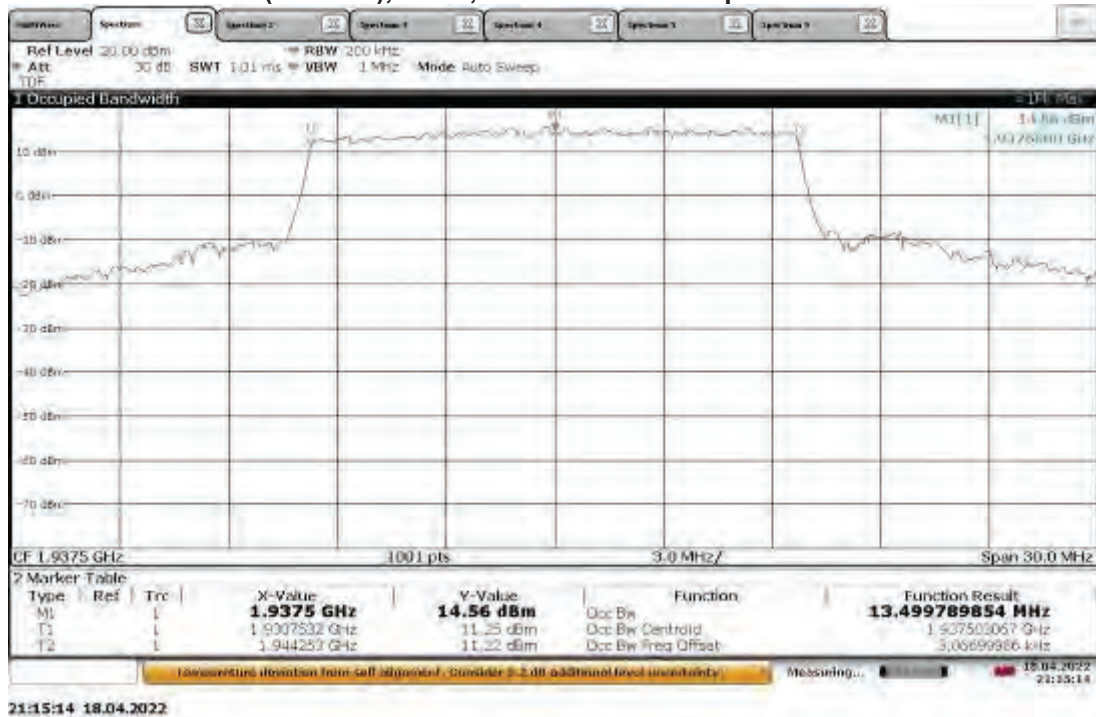


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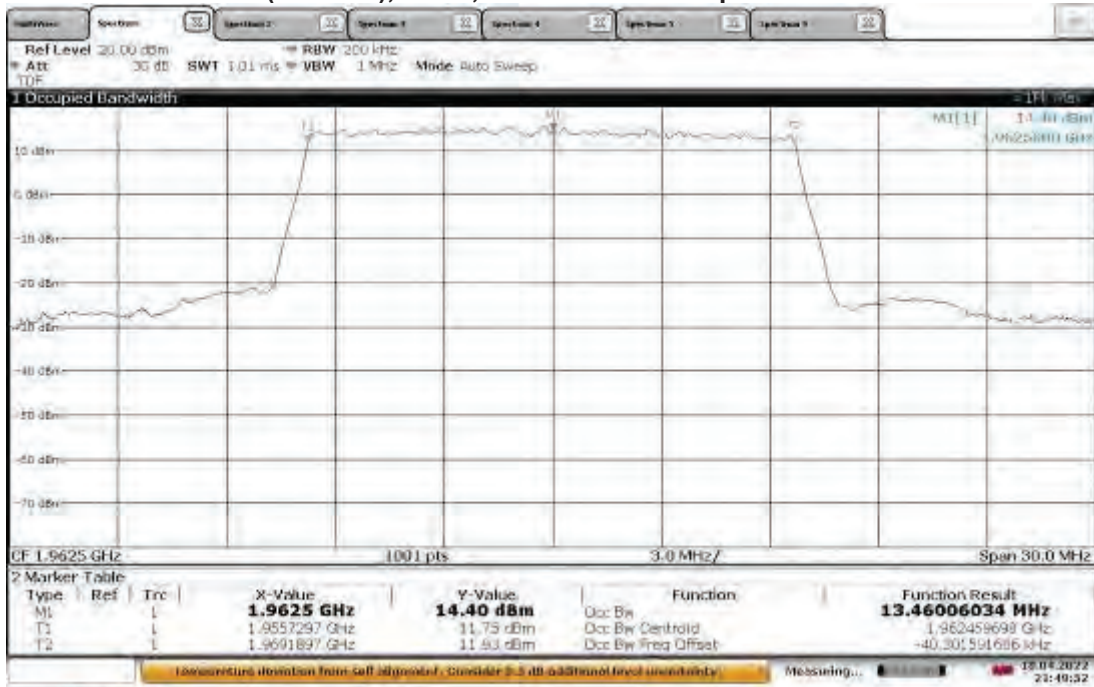
**TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel Occupied Bandwidth**



**TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel Occupied Bandwidth**

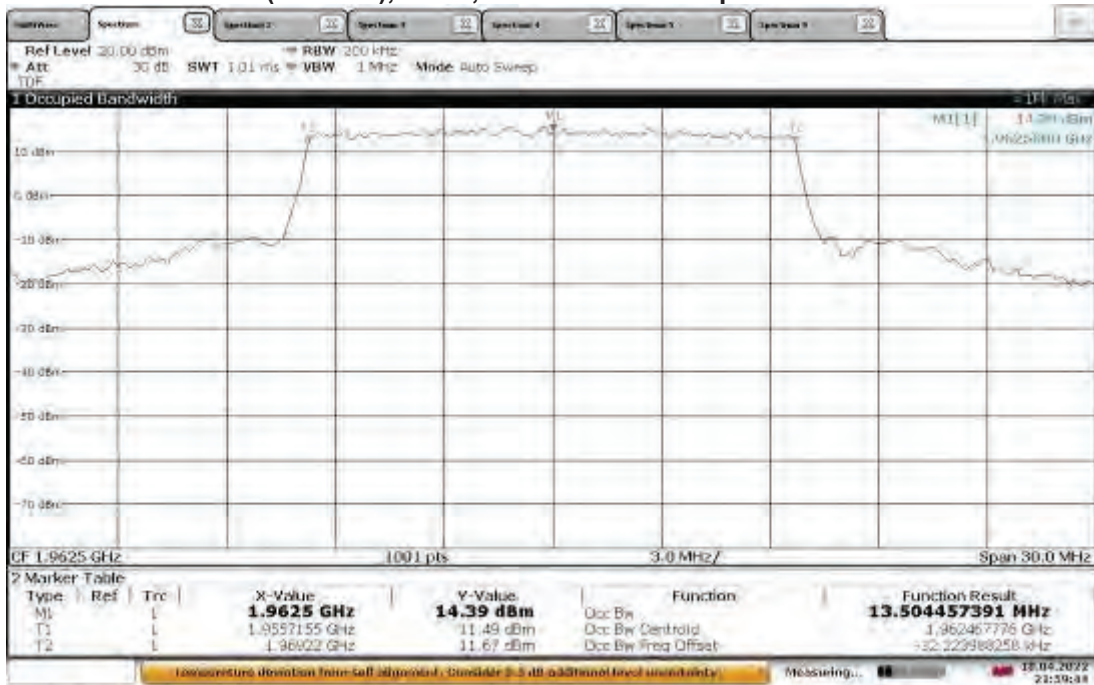


**TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel Occupied Bandwidth**



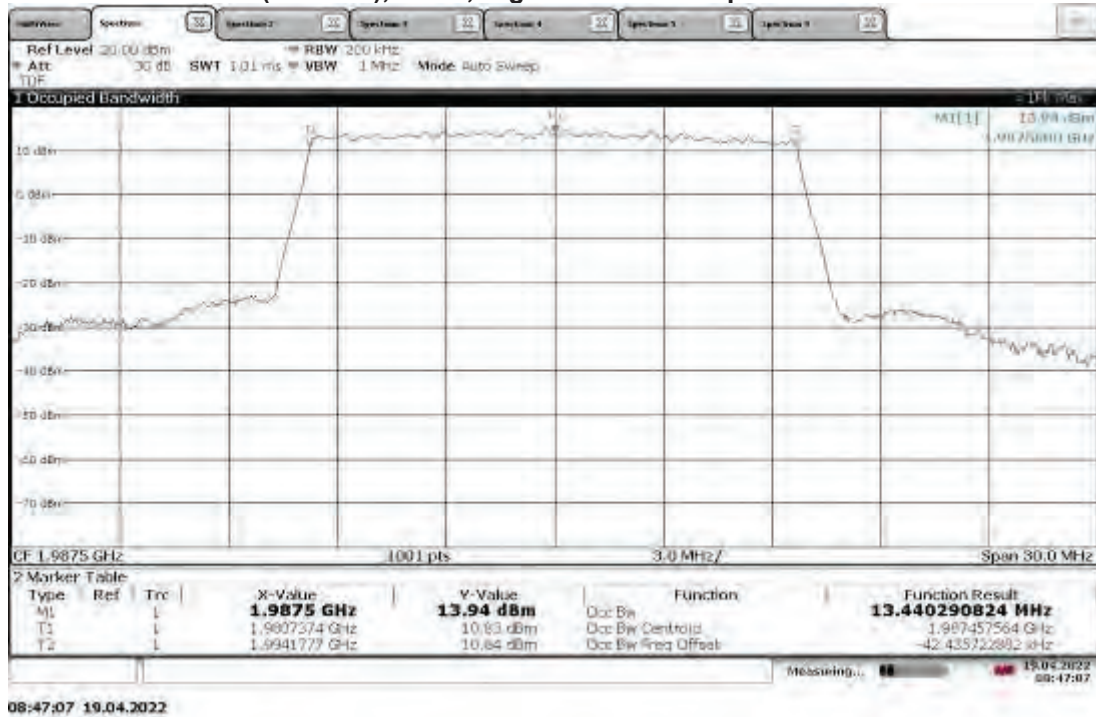
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**TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel Occupied Bandwidth**

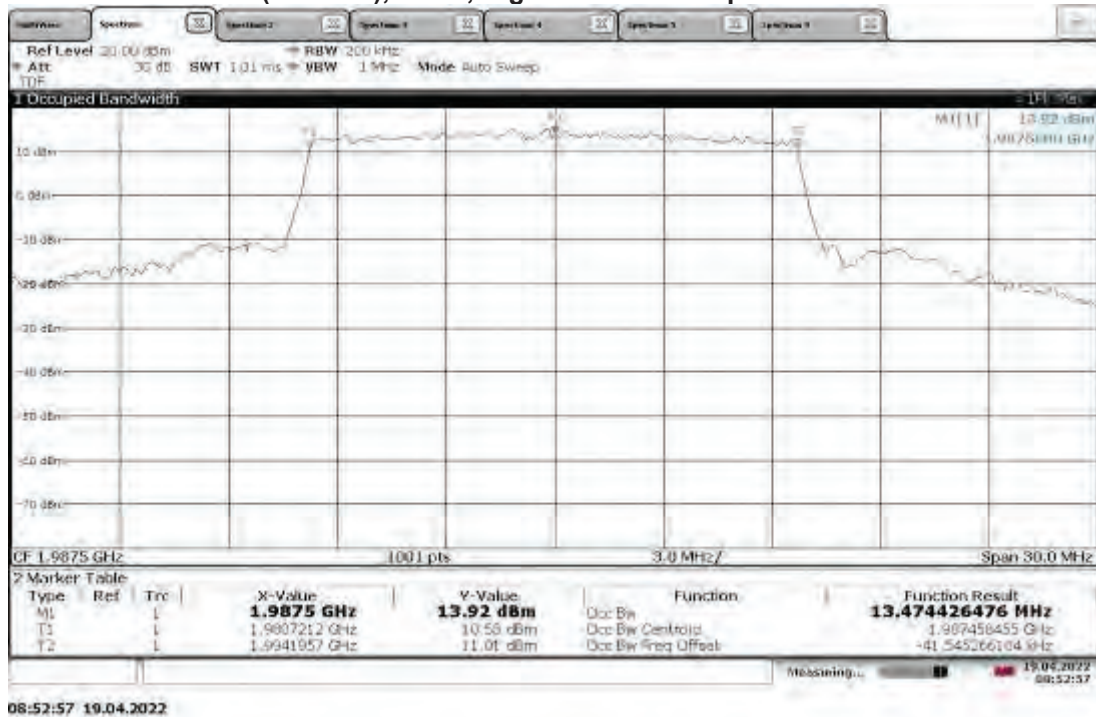


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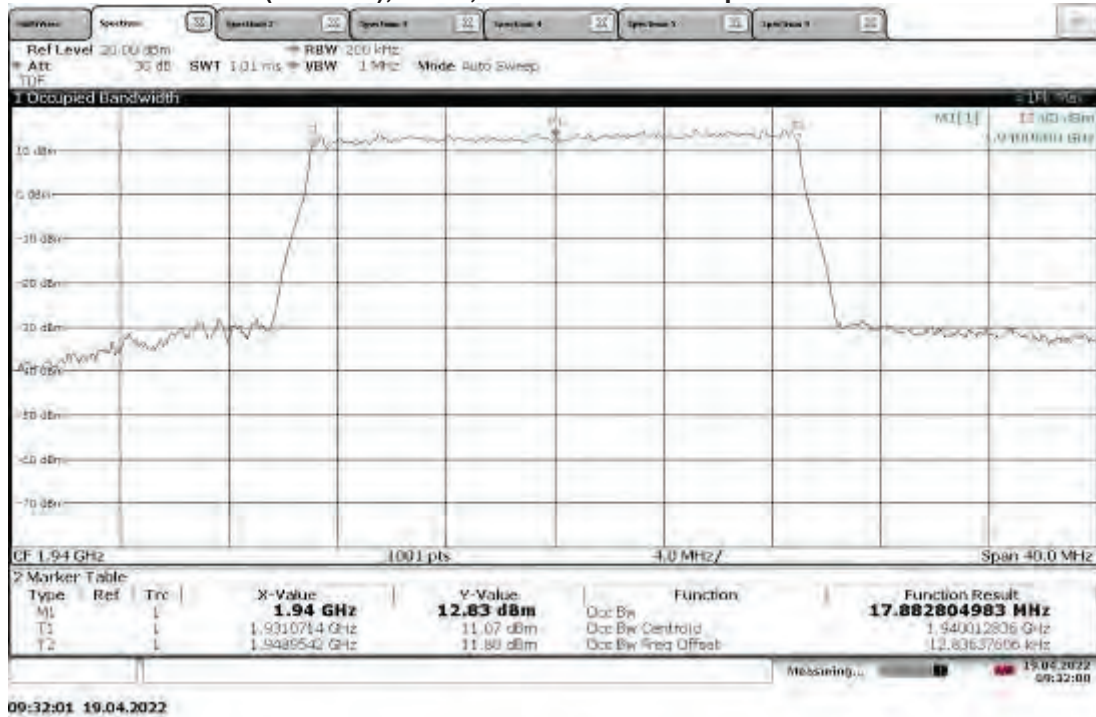
**TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel Occupied Bandwidth**



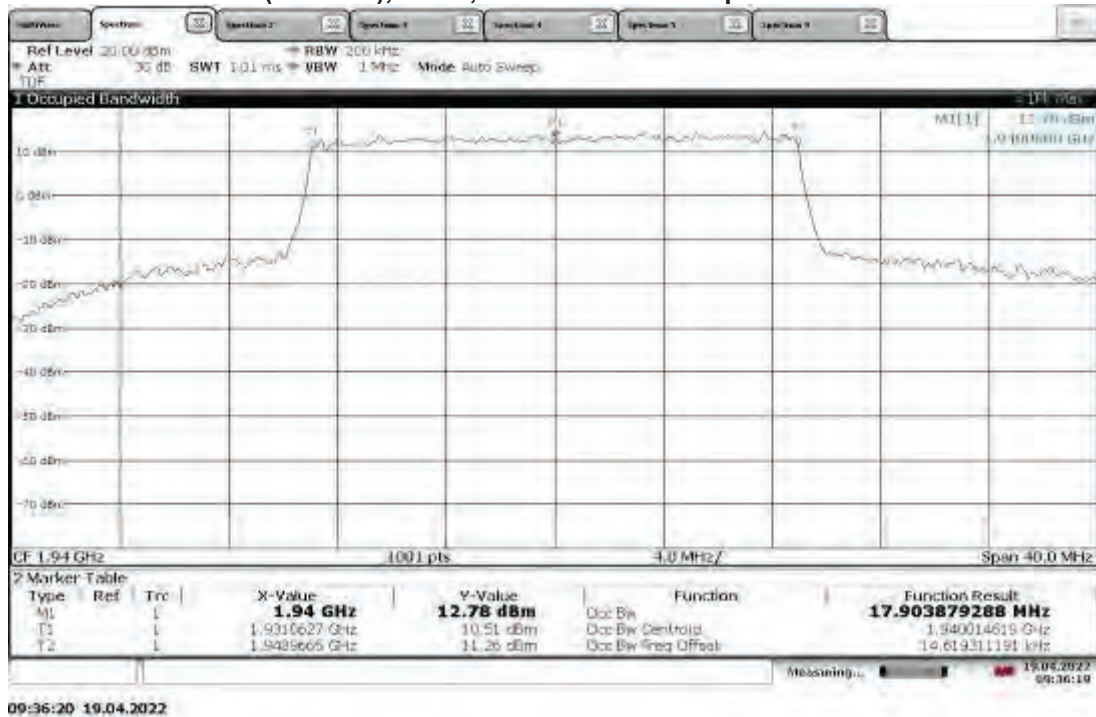
**TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel Occupied Bandwidth**



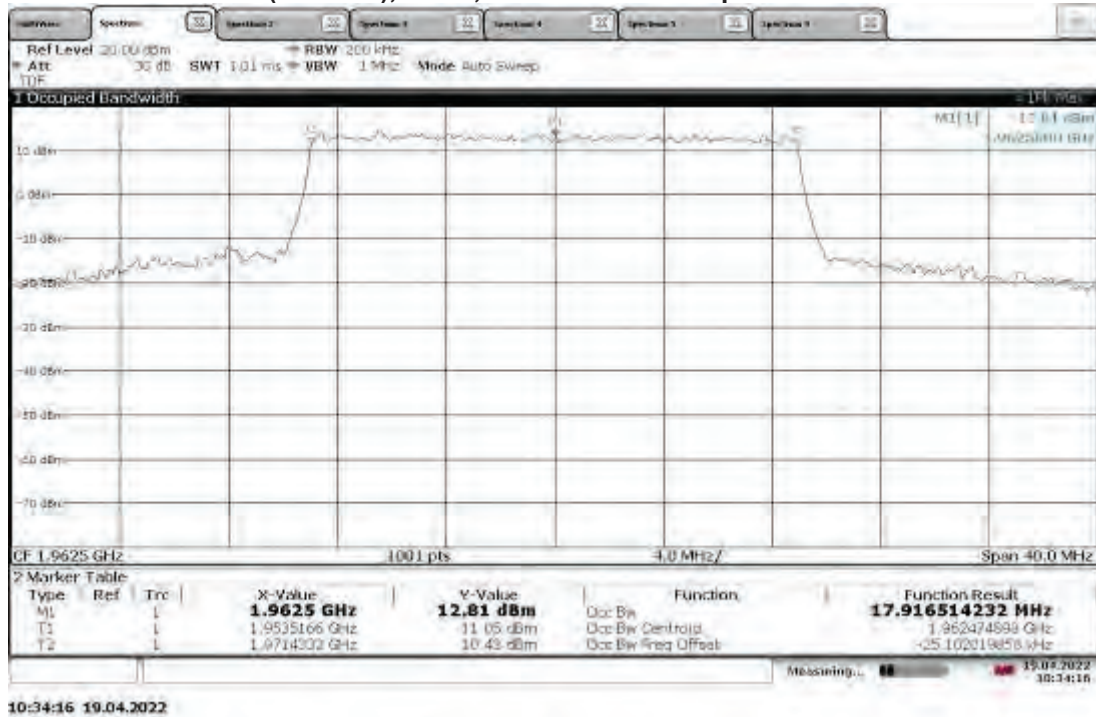
**TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel Occupied Bandwidth**



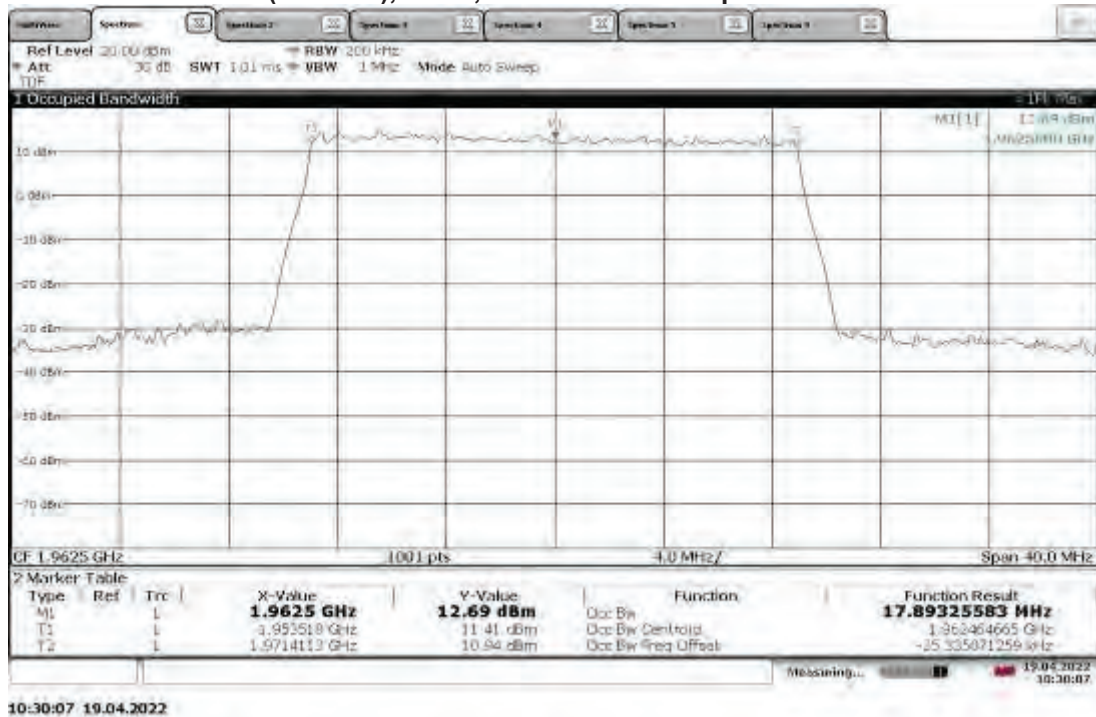
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Slot 0 (Band 25), ANT1, Low Channel Occupied Bandwidth**



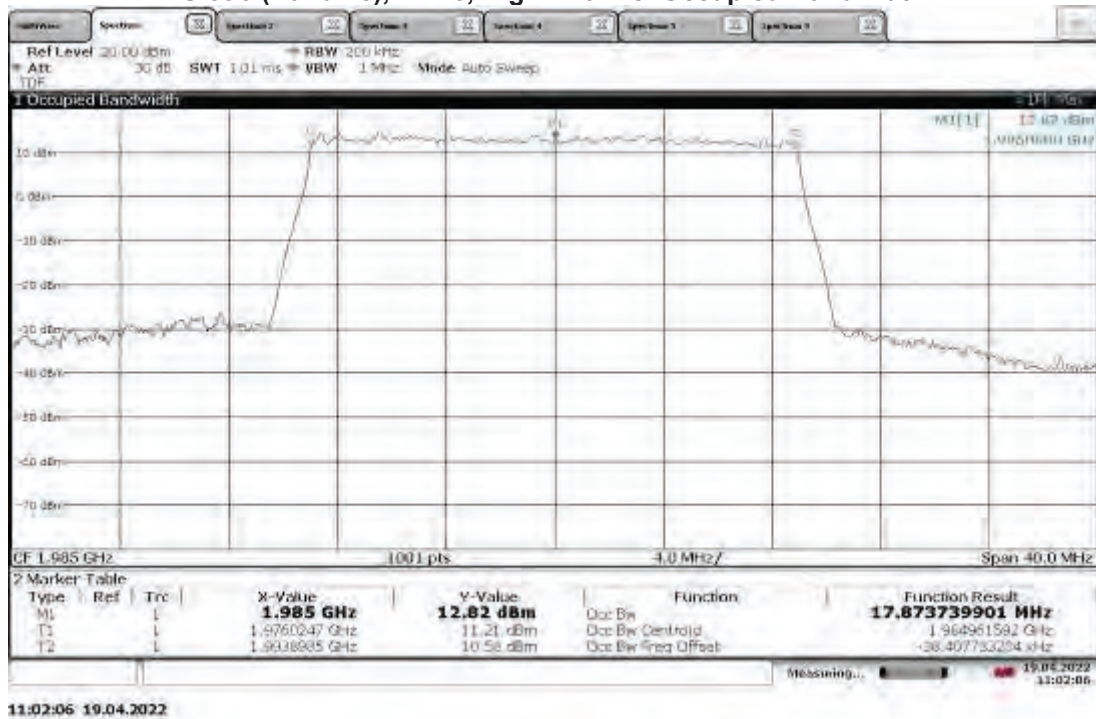
**TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel Occupied Bandwidth**



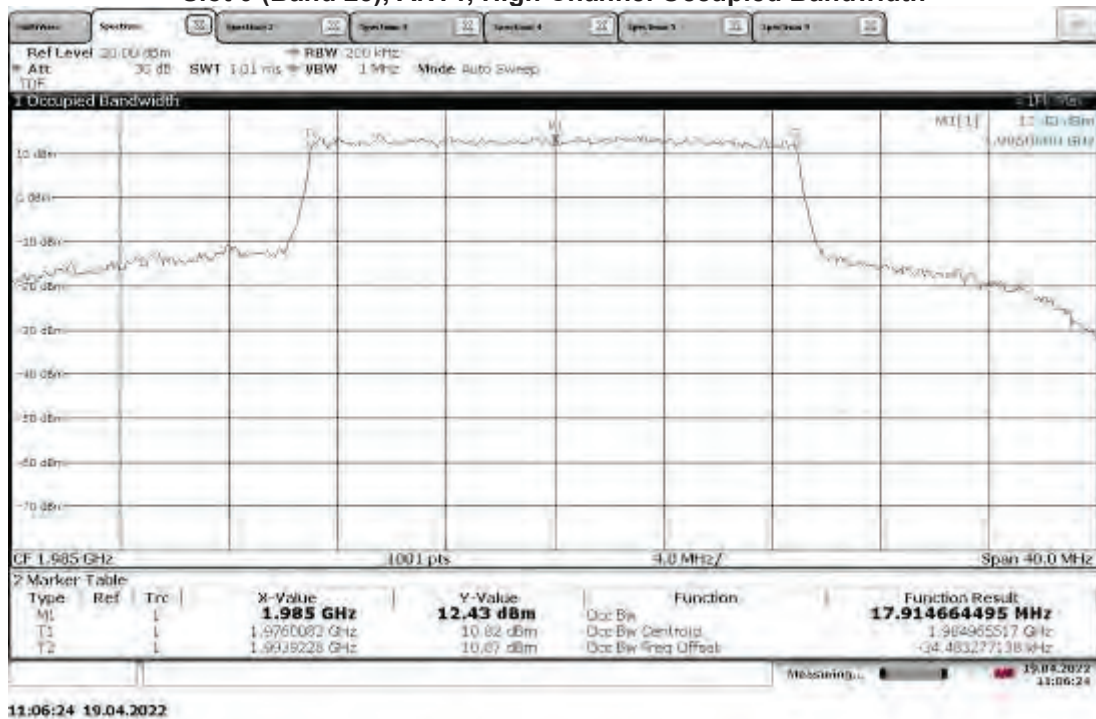
**TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel Occupied Bandwidth**



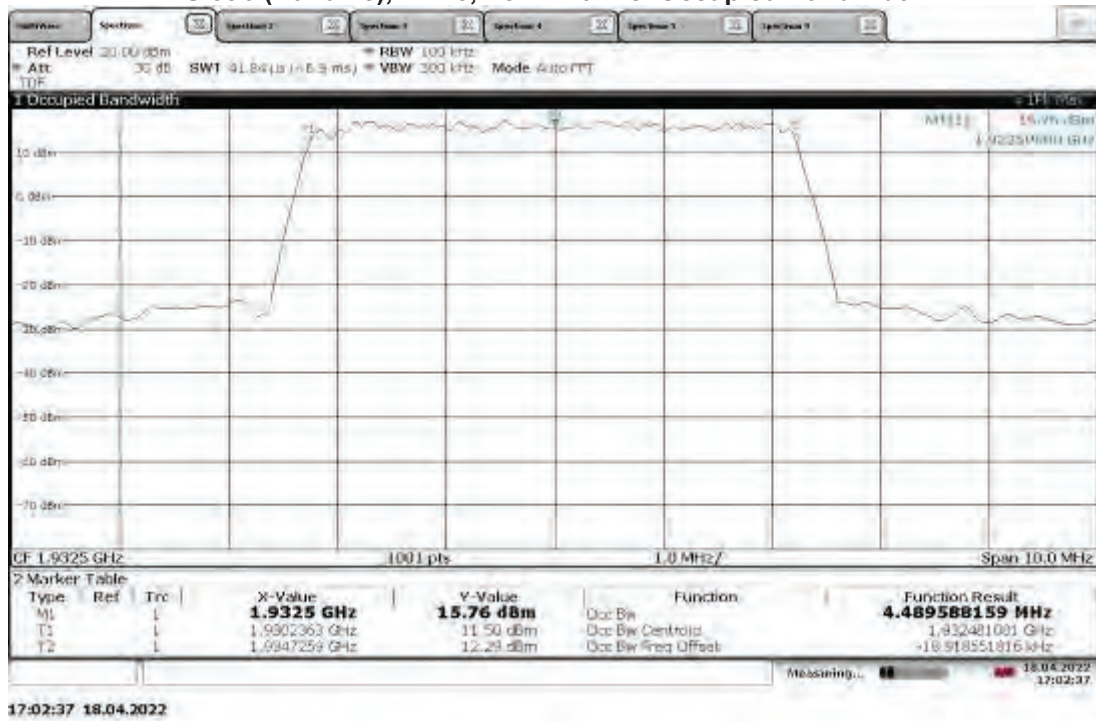
**TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel Occupied Bandwidth**



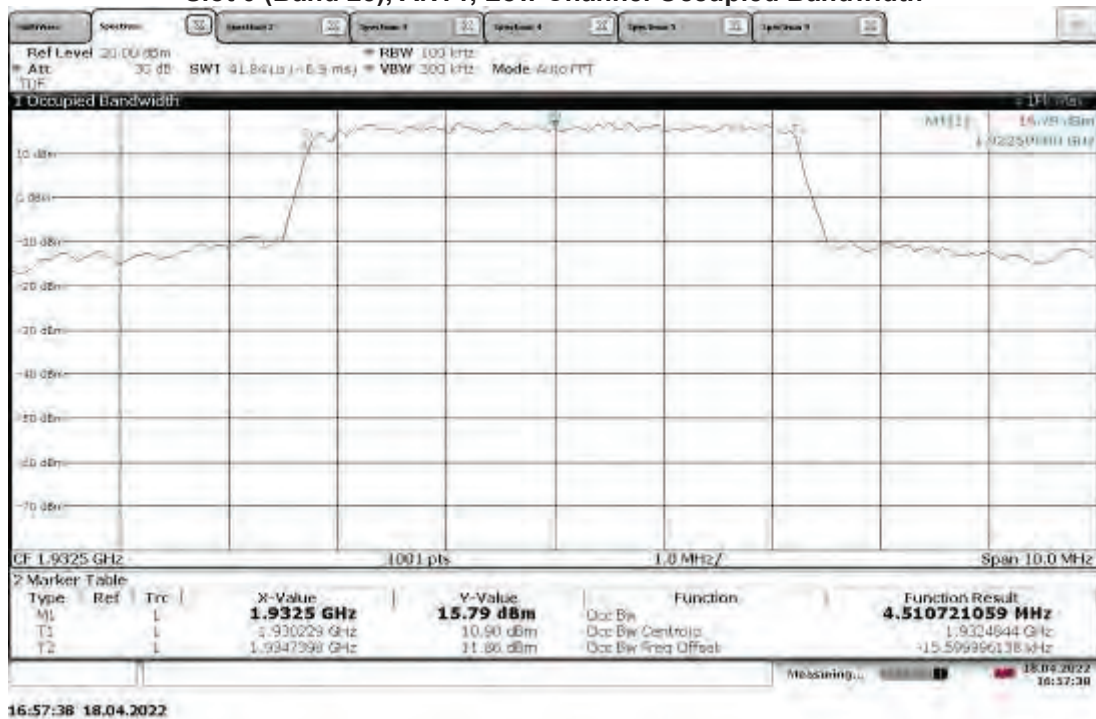
**TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel Occupied Bandwidth**



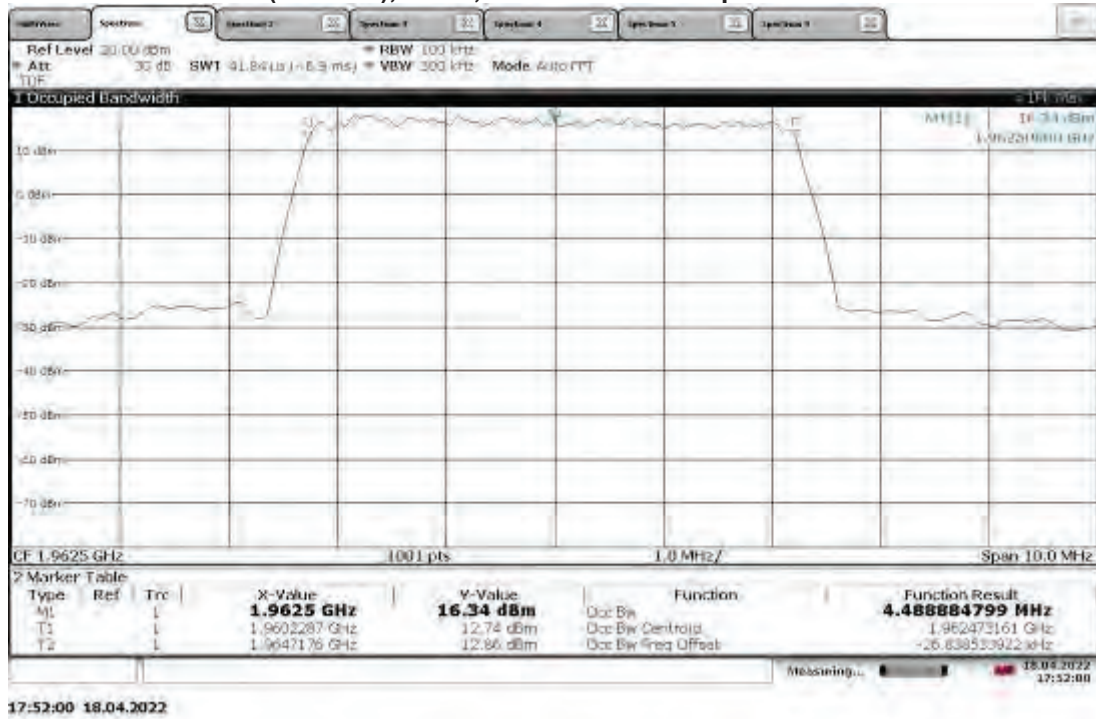
**TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel Occupied Bandwidth**



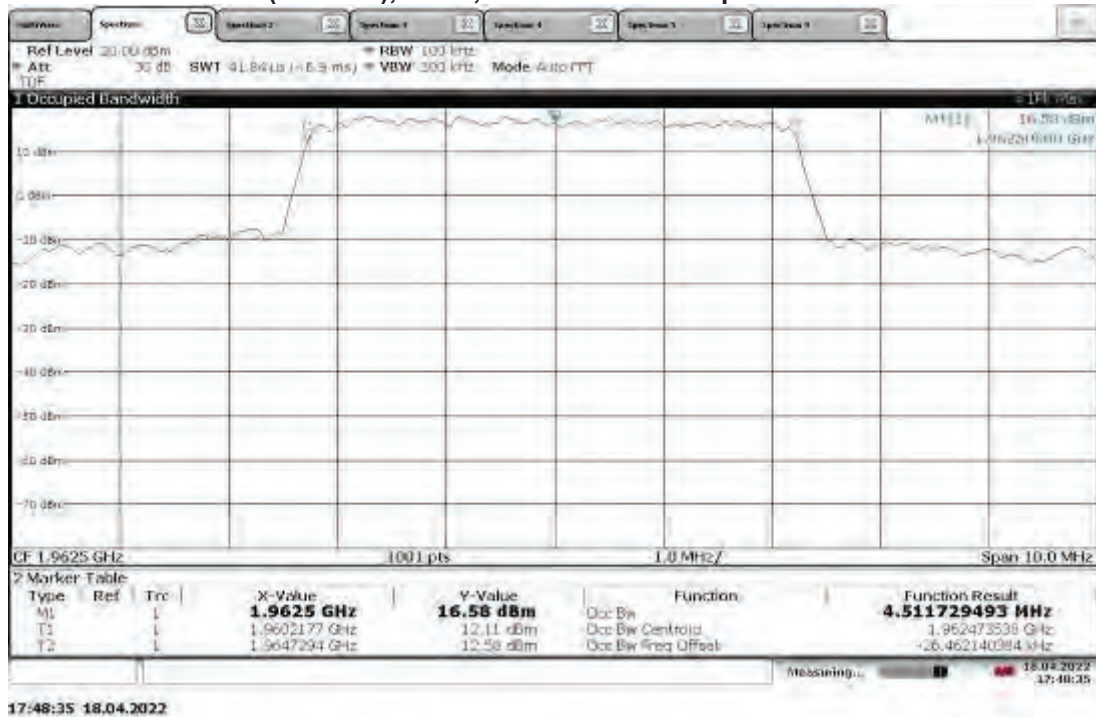
**TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel Occupied Bandwidth**



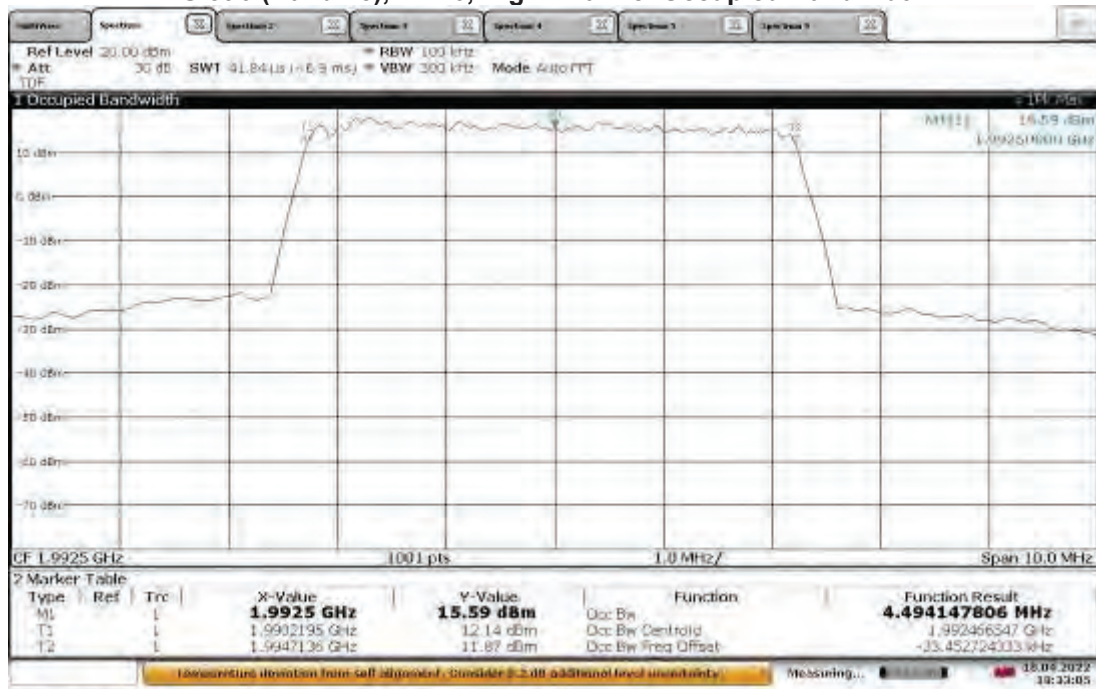
**TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel Occupied Bandwidth**



**TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel Occupied Bandwidth**

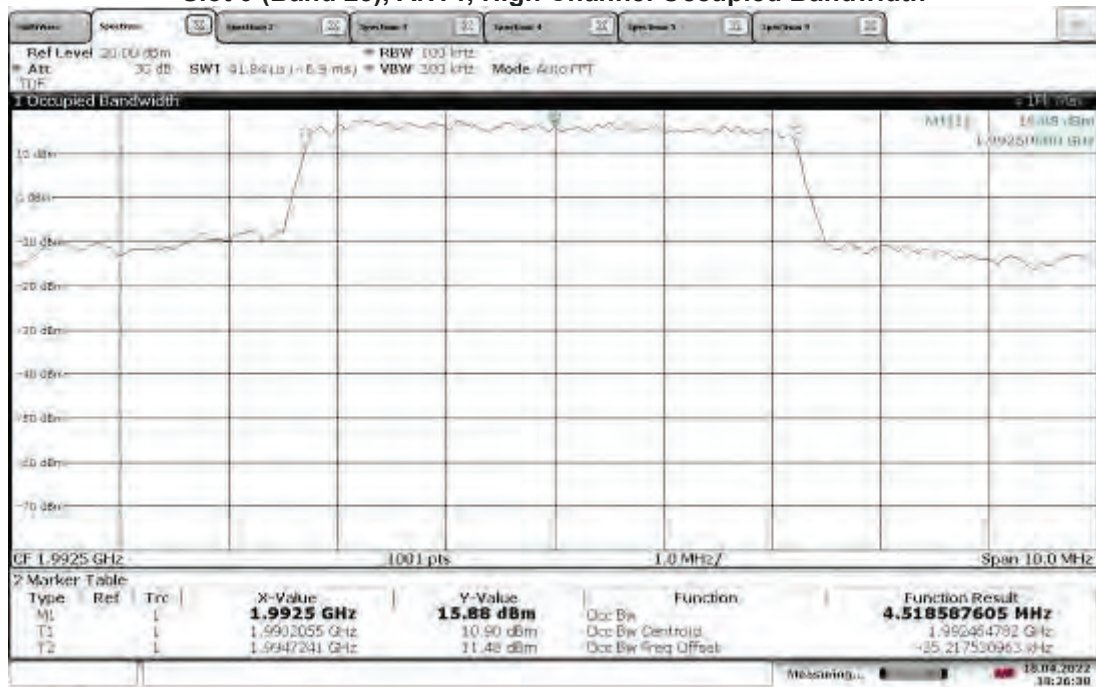


TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel Occupied Bandwidth



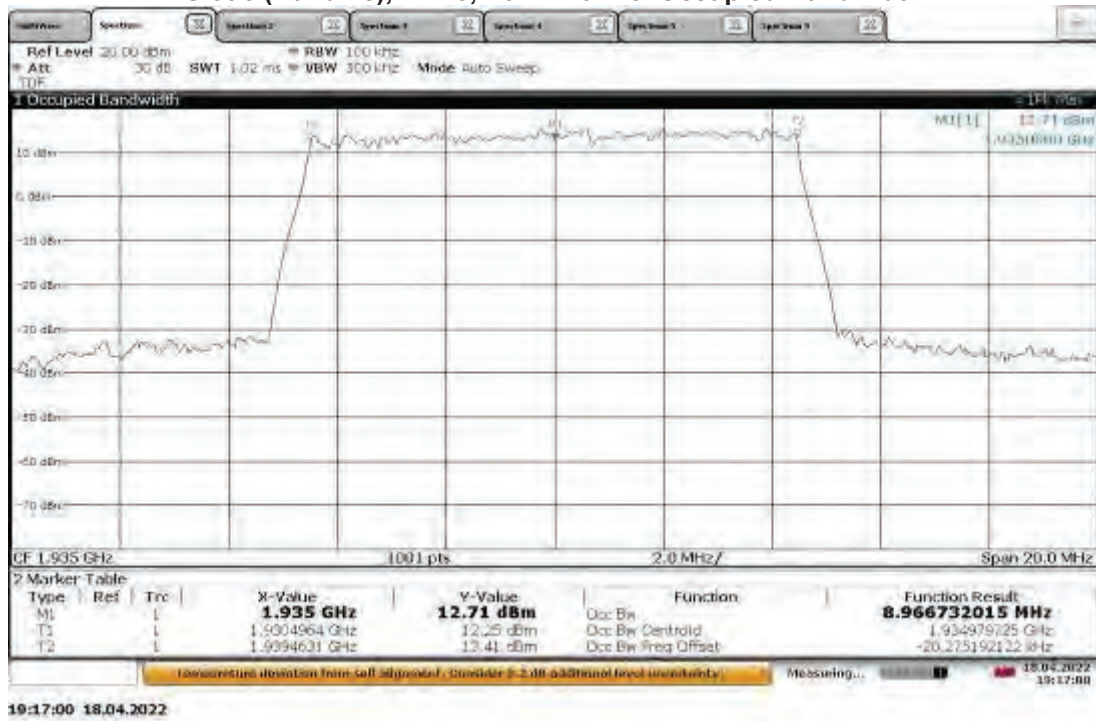
18:33:05 18.04.2022

TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel Occupied Bandwidth

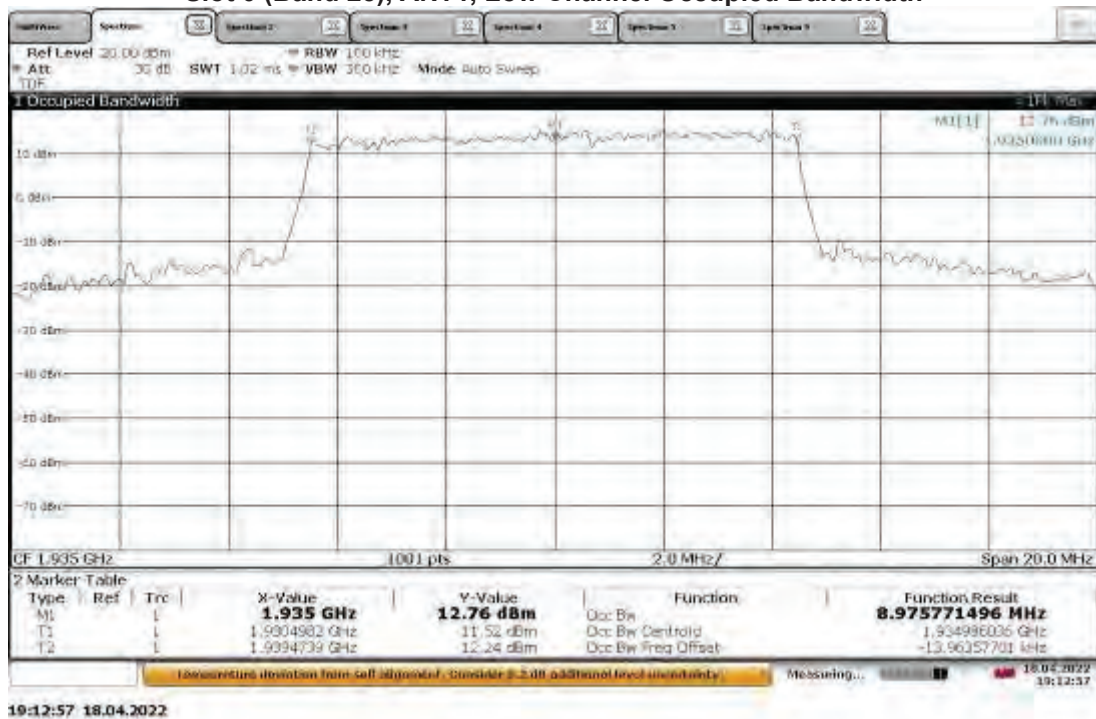


18:26:38 18.04.2022

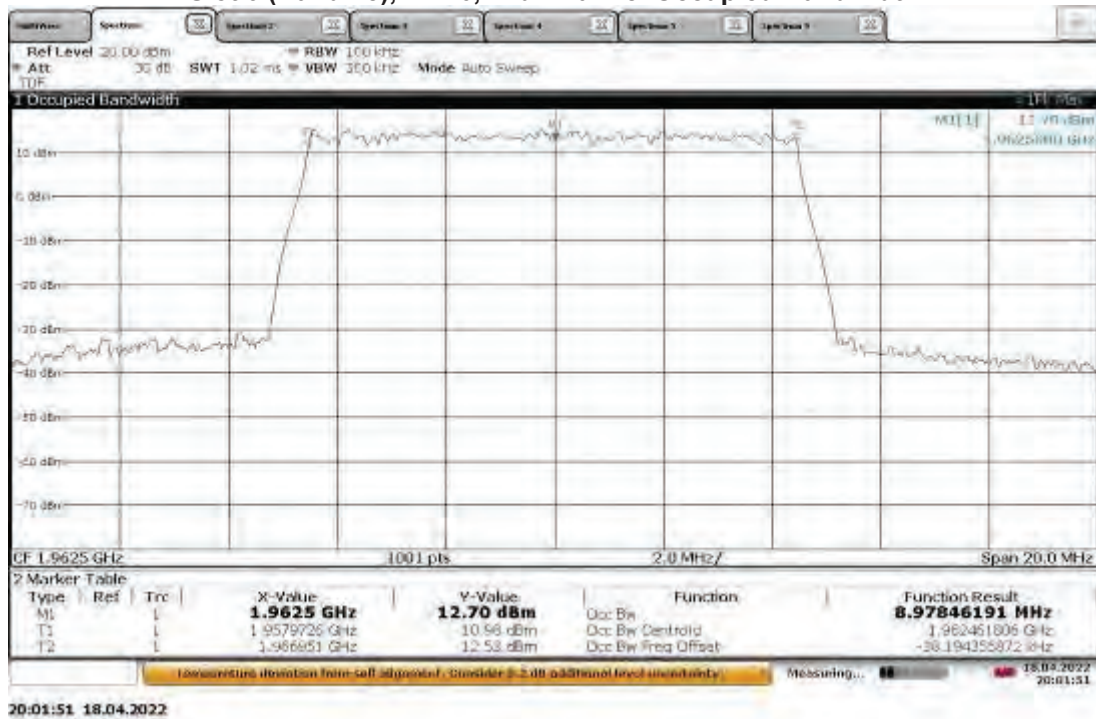
TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel Occupied Bandwidth



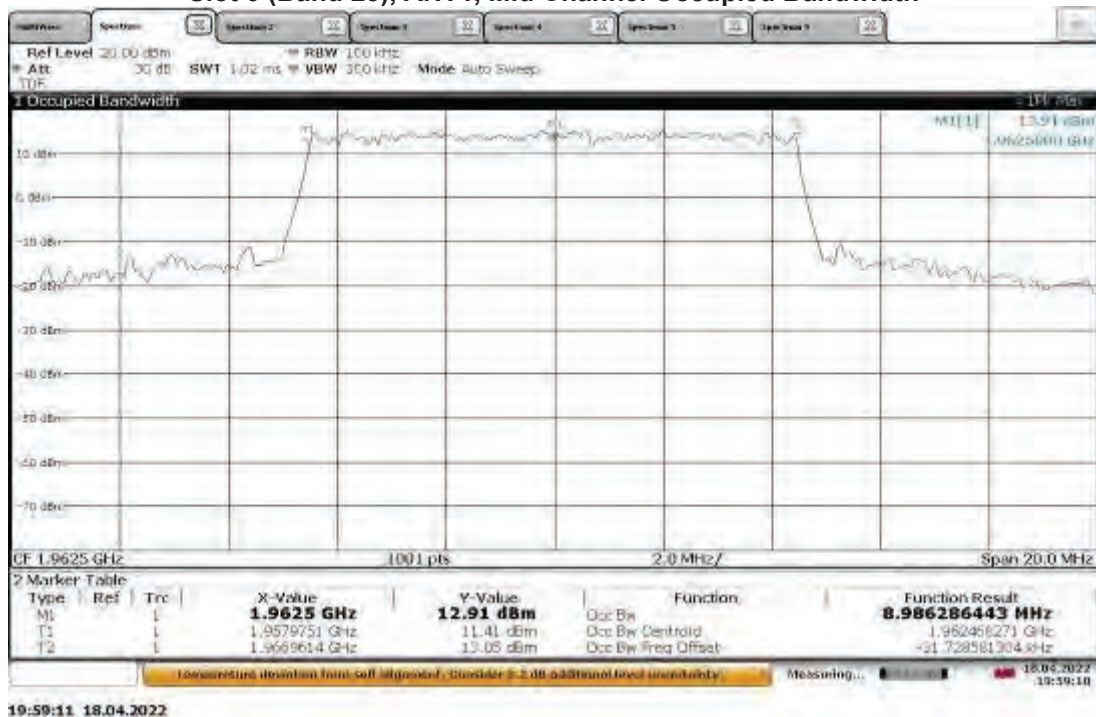
TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel Occupied Bandwidth



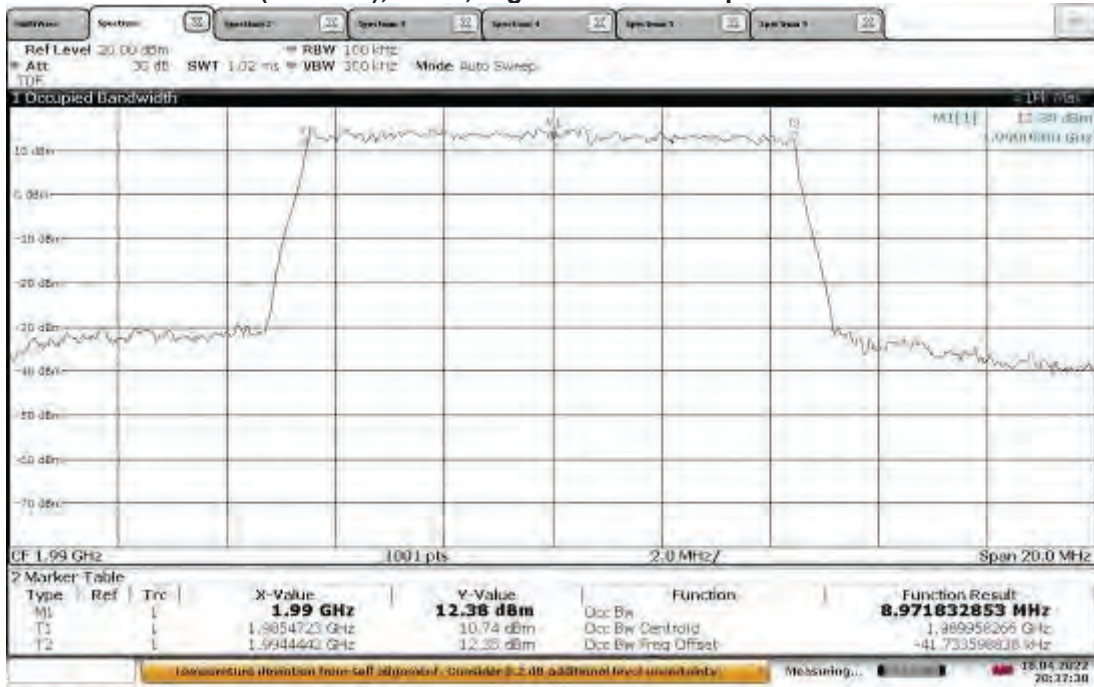
TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel Occupied Bandwidth



TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel Occupied Bandwidth

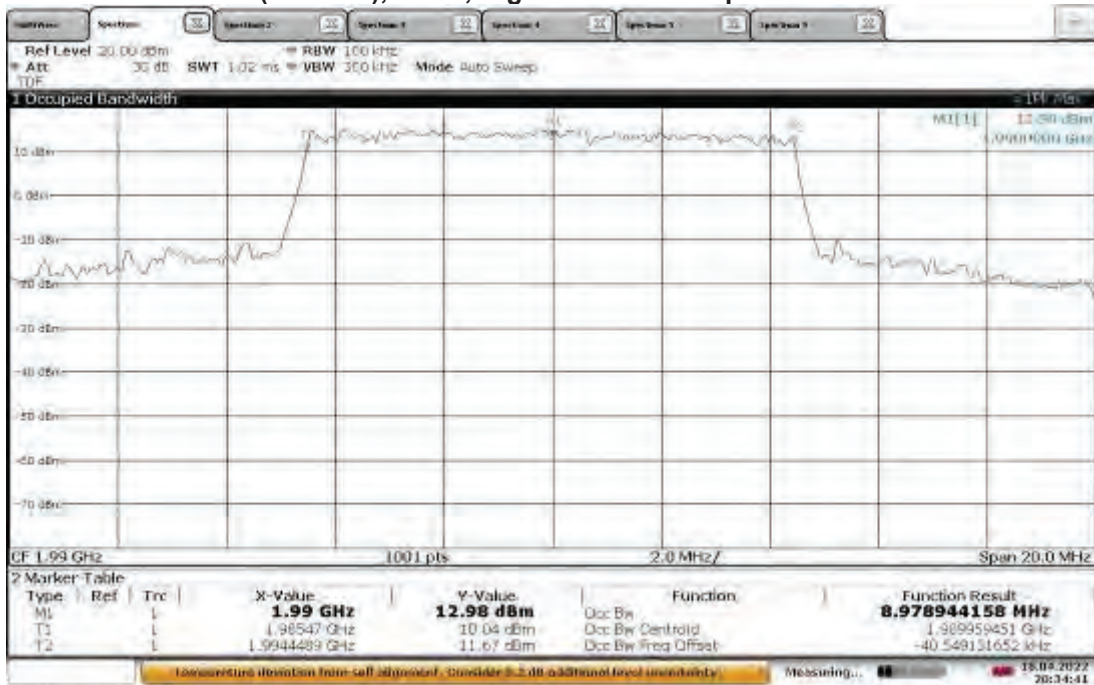


TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel Occupied Bandwidth



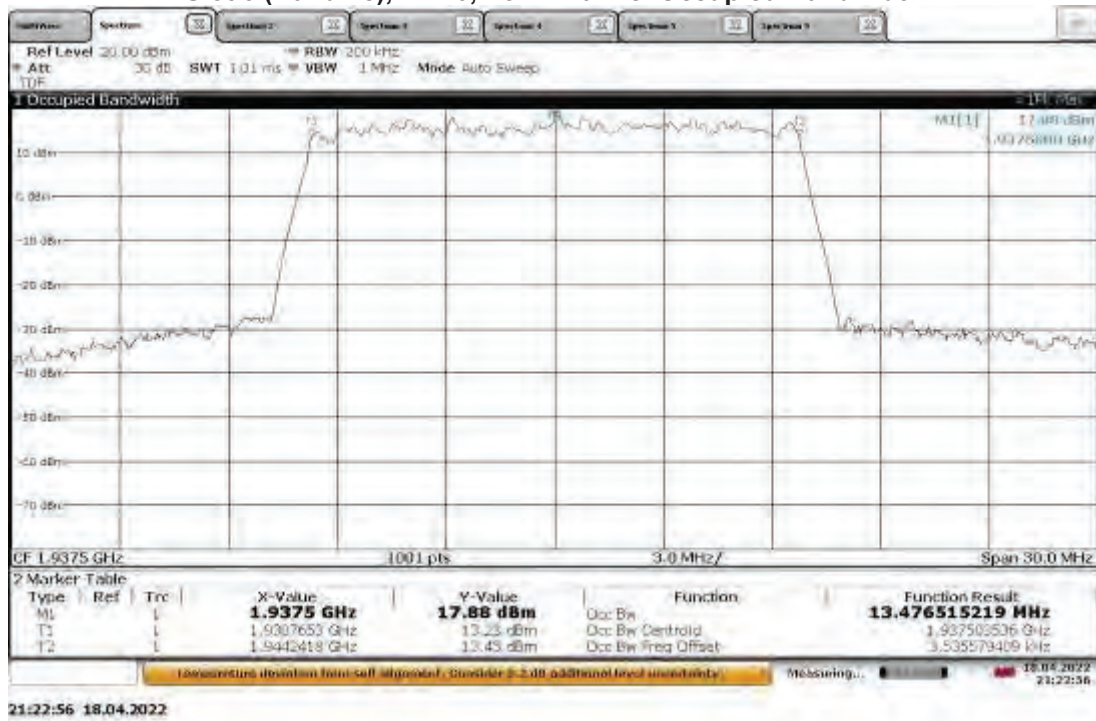
20:37:30 18.04.2022

TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel Occupied Bandwidth

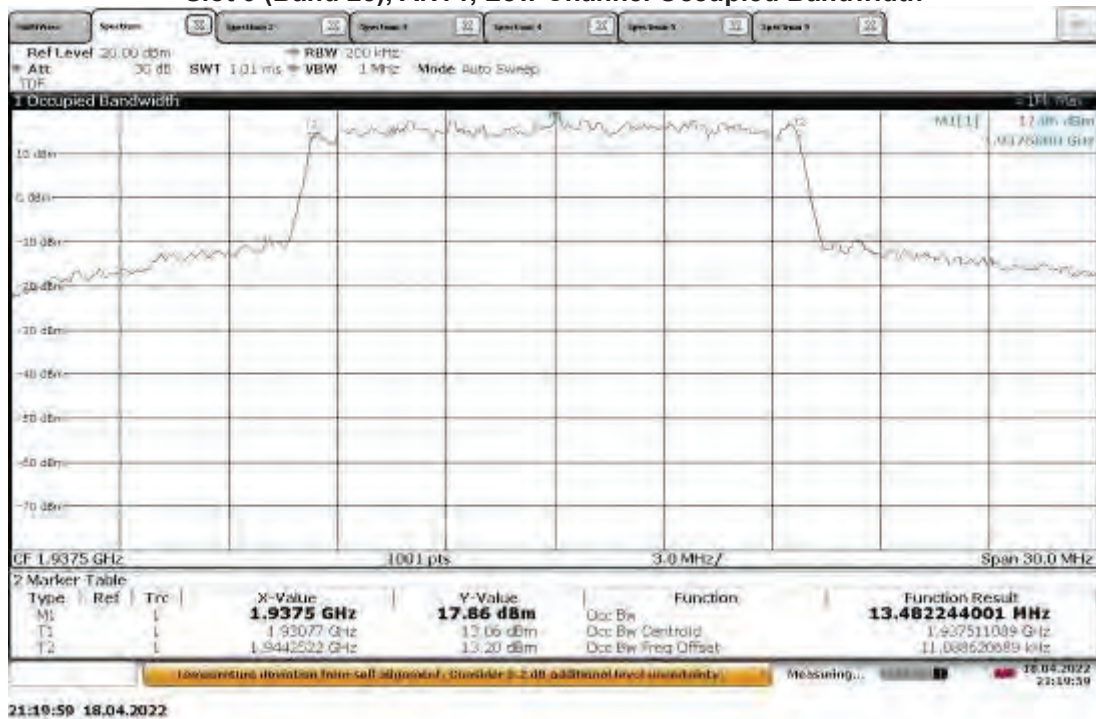


20:34:41 18.04.2022

TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel Occupied Bandwidth



TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel Occupied Bandwidth



TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel Occupied Bandwidth



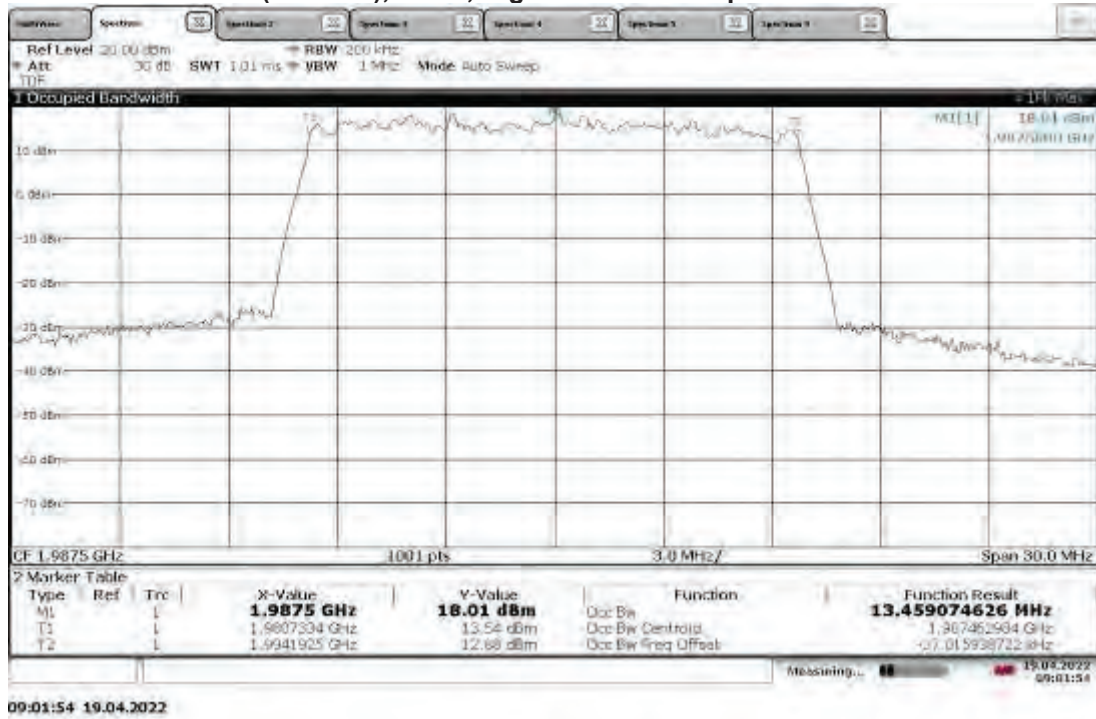
22:04:58 18.04.2022

TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel Occupied Bandwidth

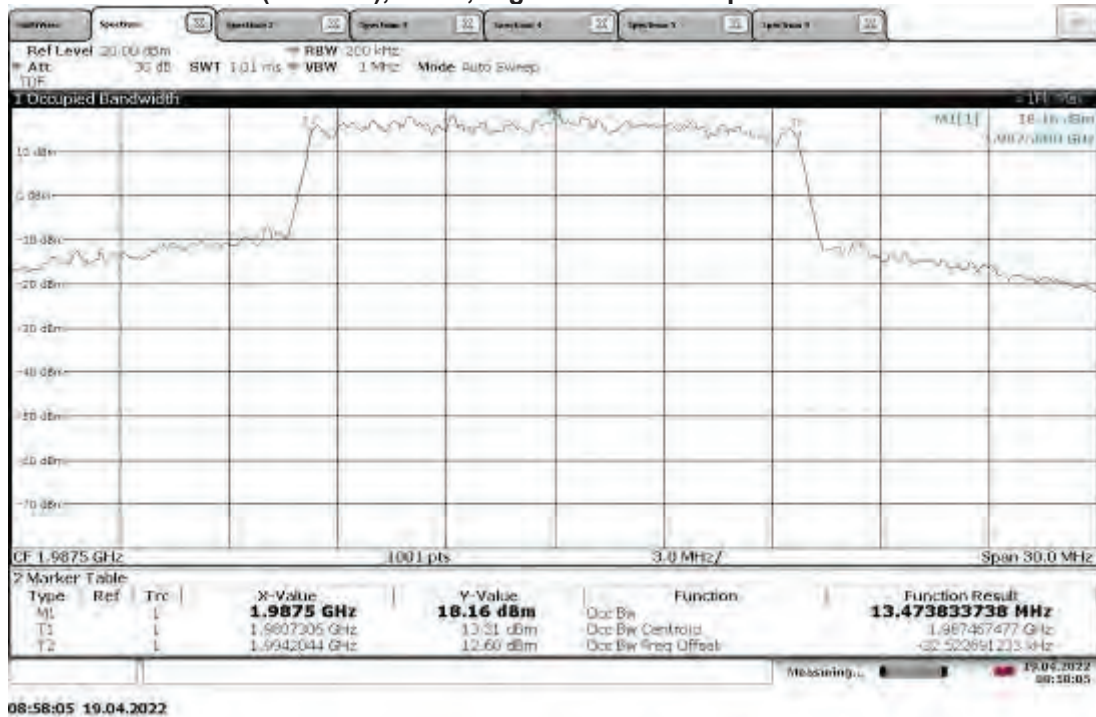


22:02:50 18.04.2022

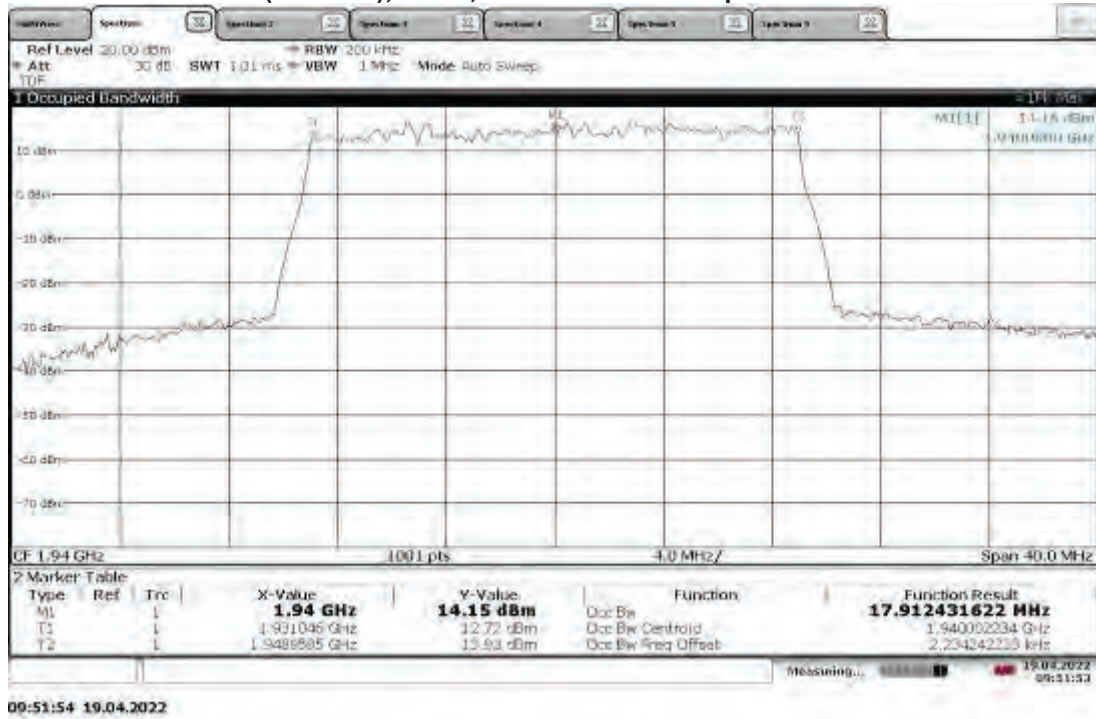
**TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel Occupied Bandwidth**



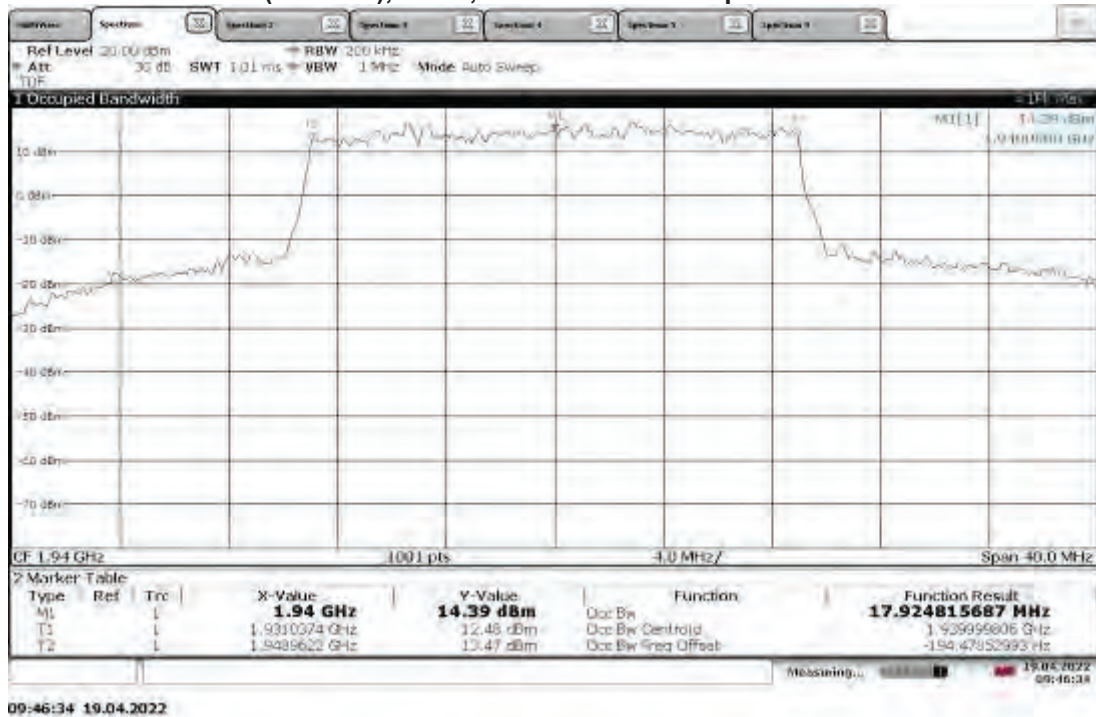
**TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel Occupied Bandwidth**



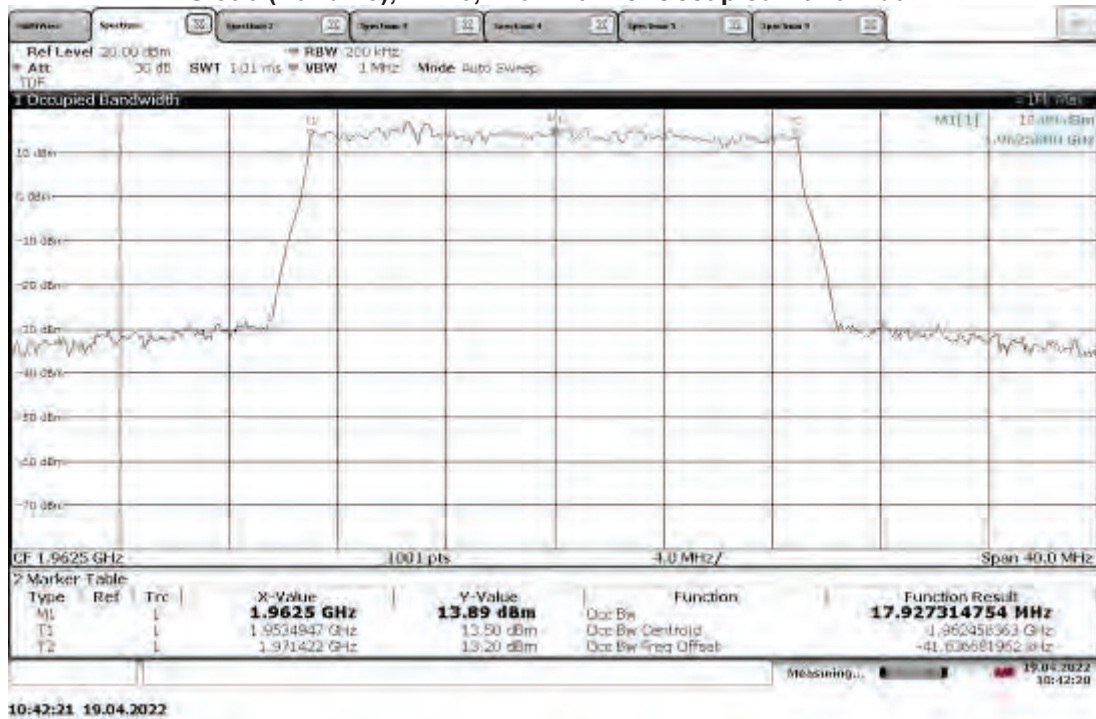
**TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel Occupied Bandwidth**



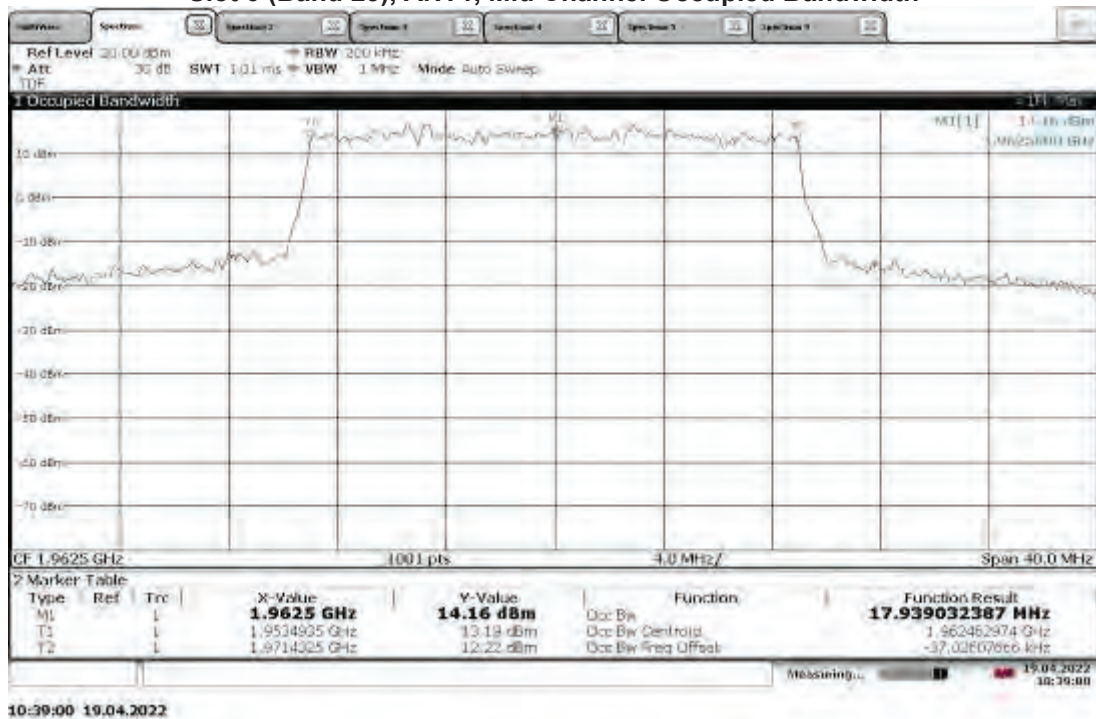
**TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel Occupied Bandwidth**



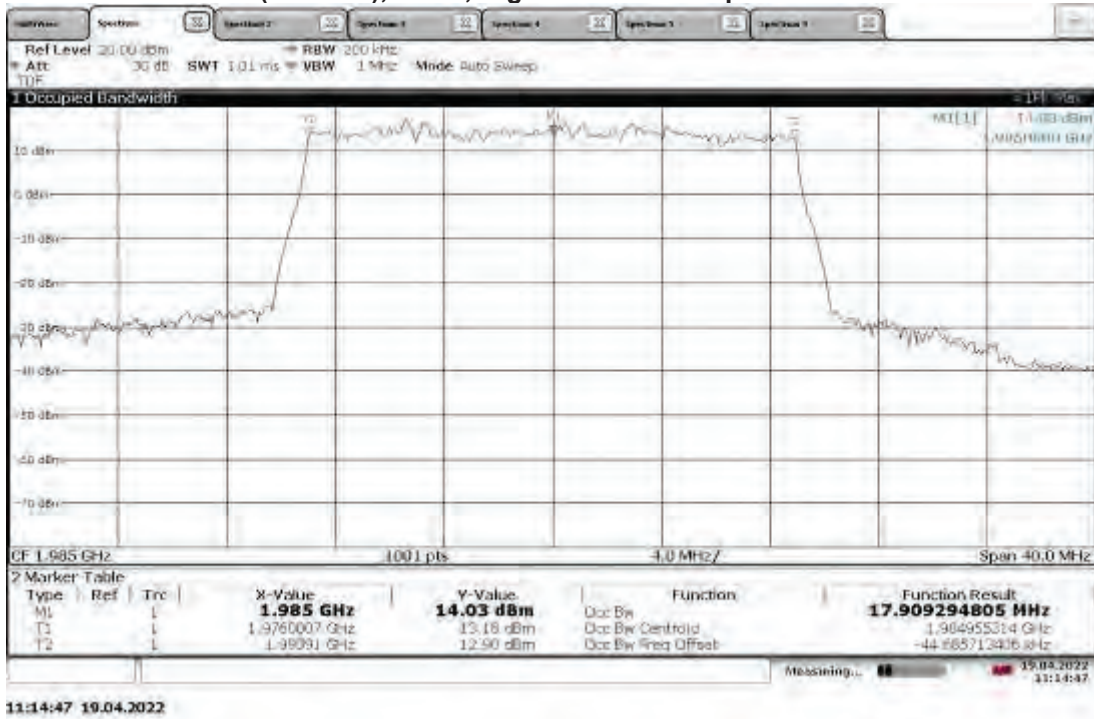
TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel Occupied Bandwidth



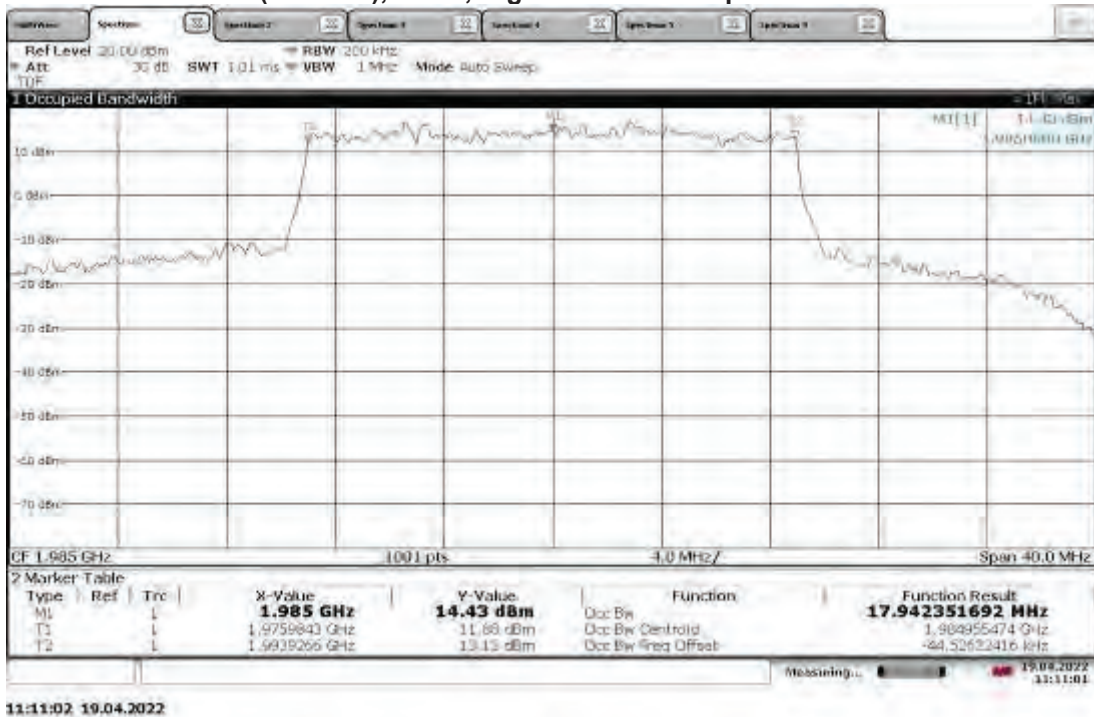
TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel Occupied Bandwidth



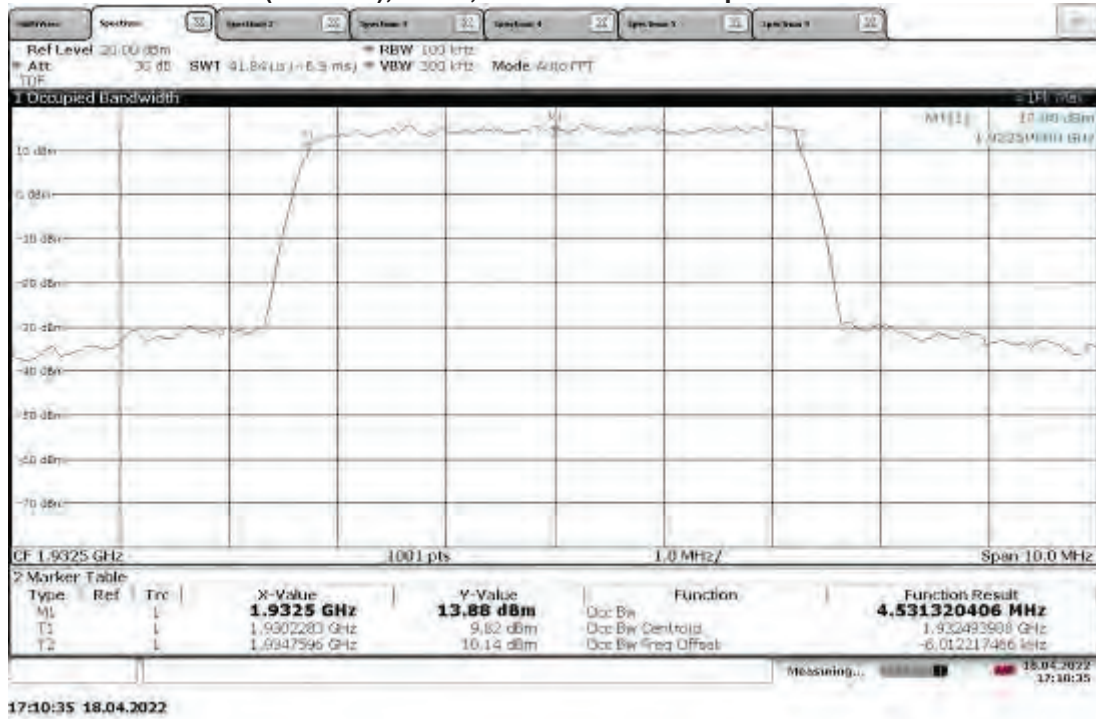
TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel Occupied Bandwidth



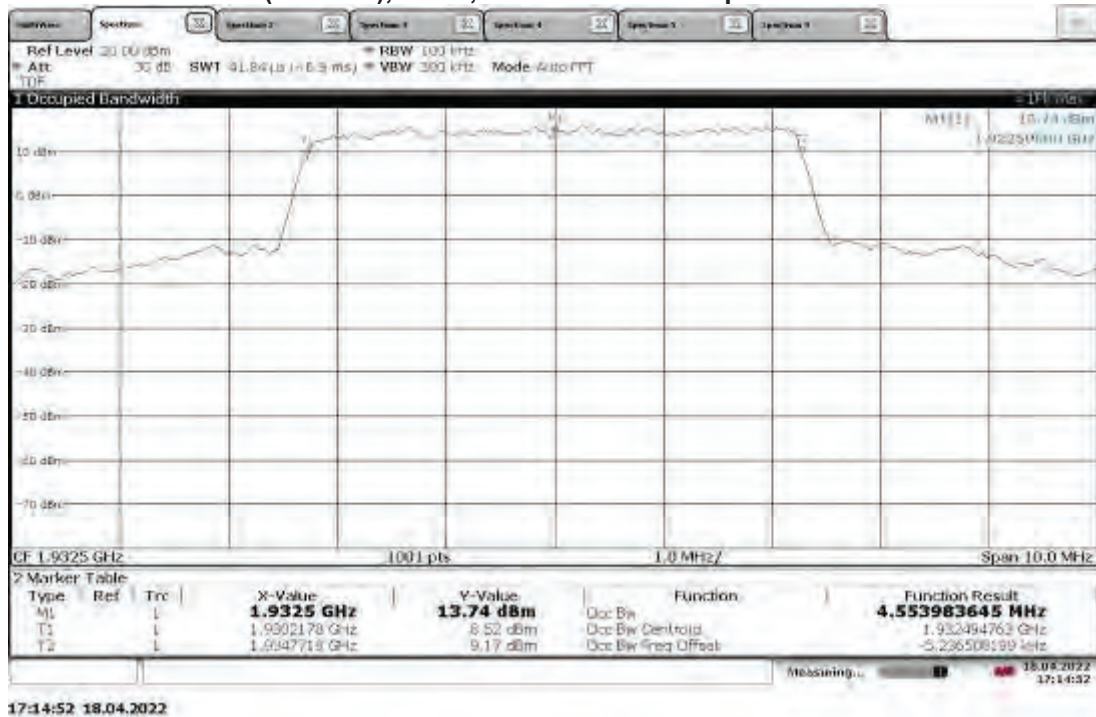
TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel Occupied Bandwidth



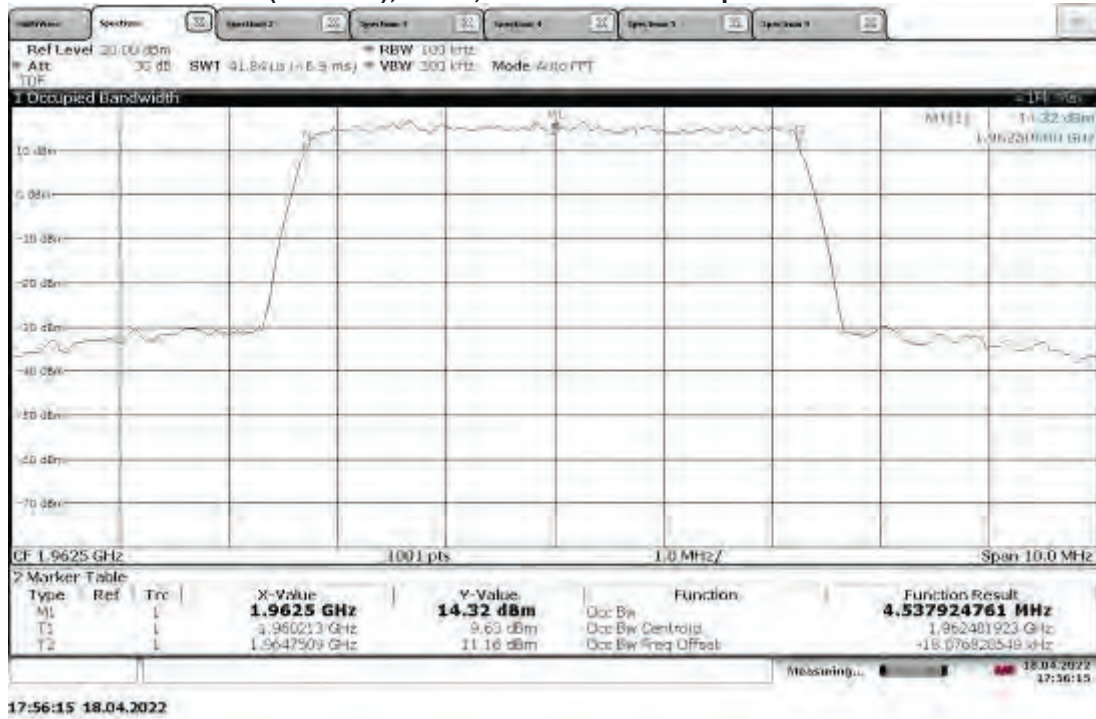
**TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel Occupied Bandwidth**



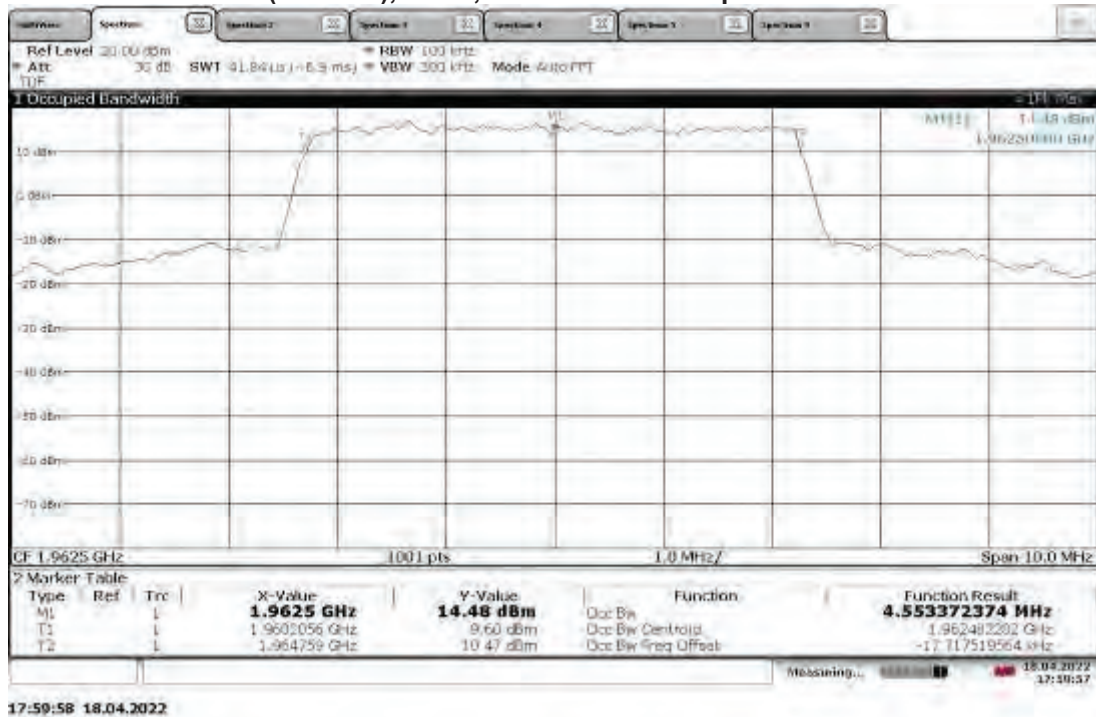
**TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel Occupied Bandwidth**



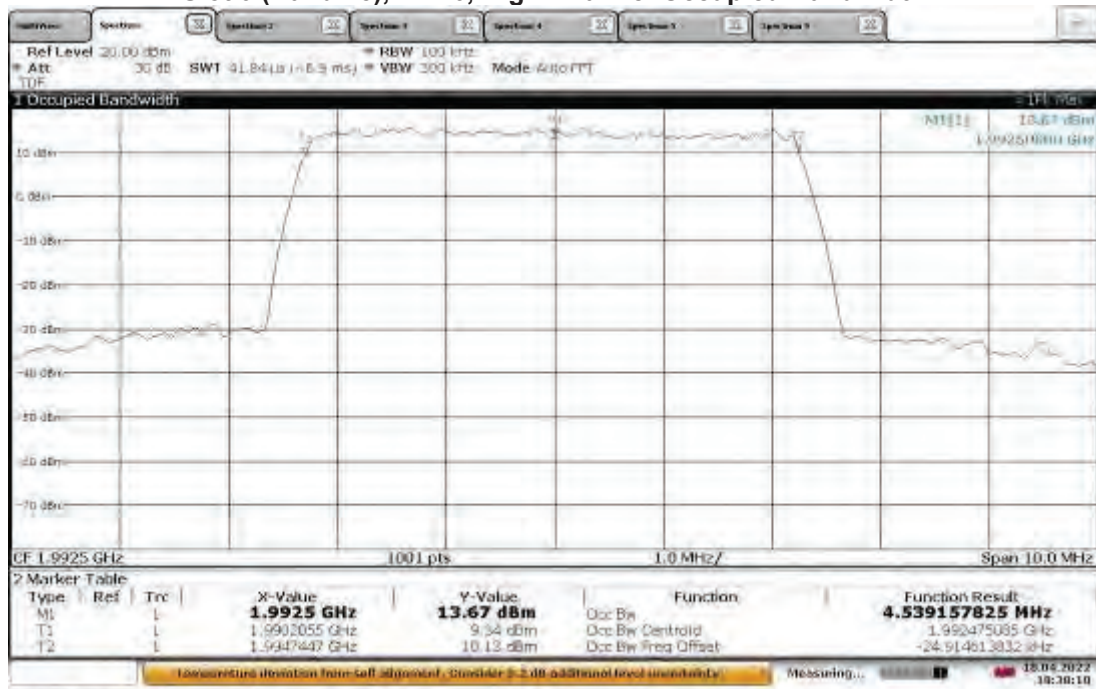
TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel Occupied Bandwidth



TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel Occupied Bandwidth

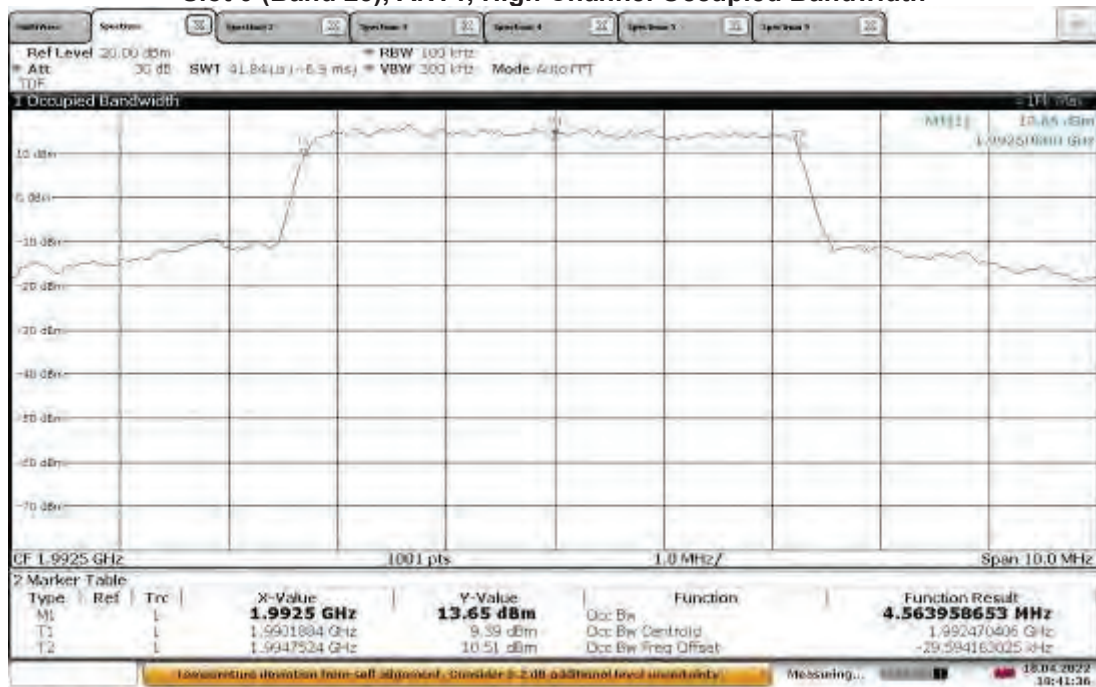


**TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel Occupied Bandwidth**



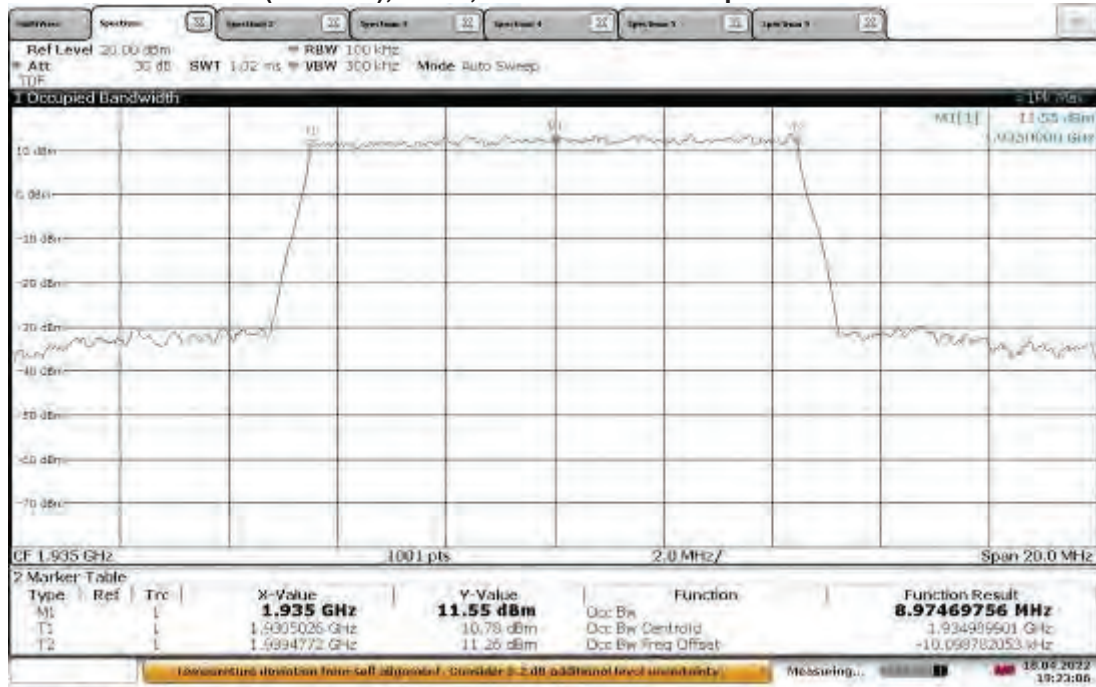
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**TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel Occupied Bandwidth**



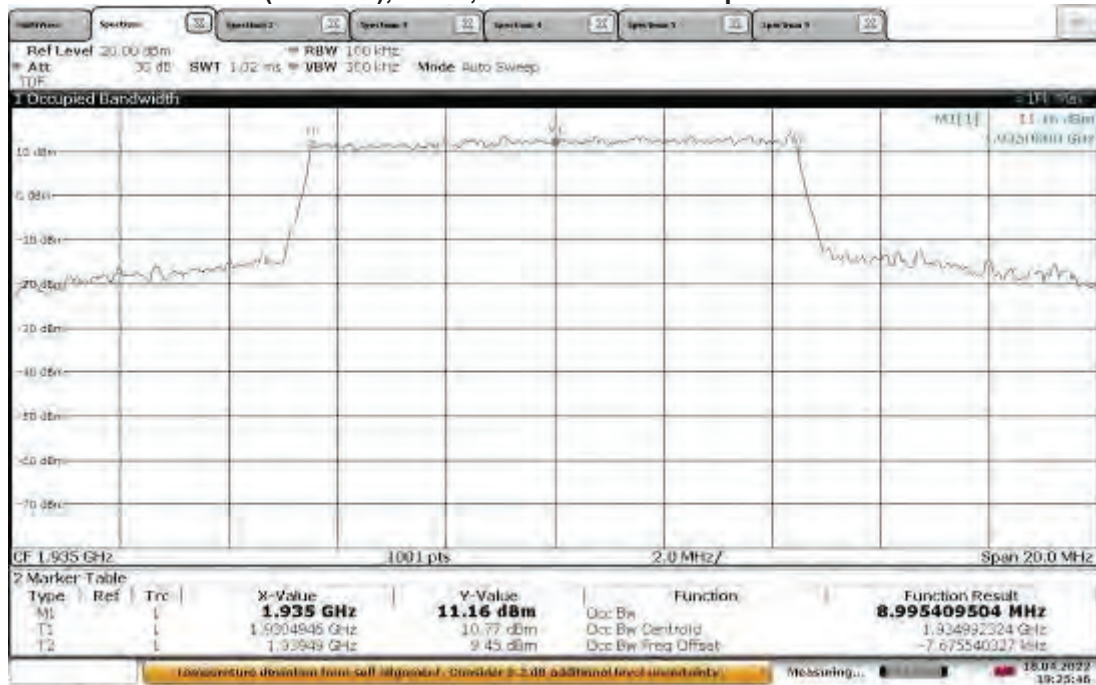
18:41:37 18.04.2022

**TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel Occupied Bandwidth**



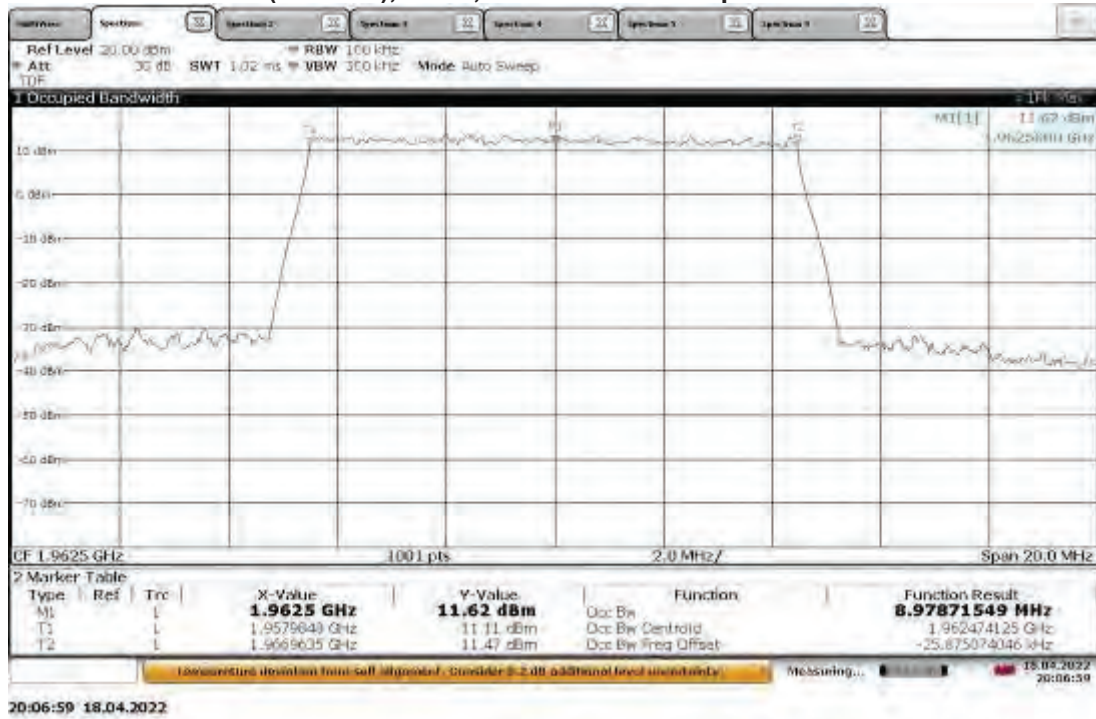
19:23:06 18.04.2022

**TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel Occupied Bandwidth**

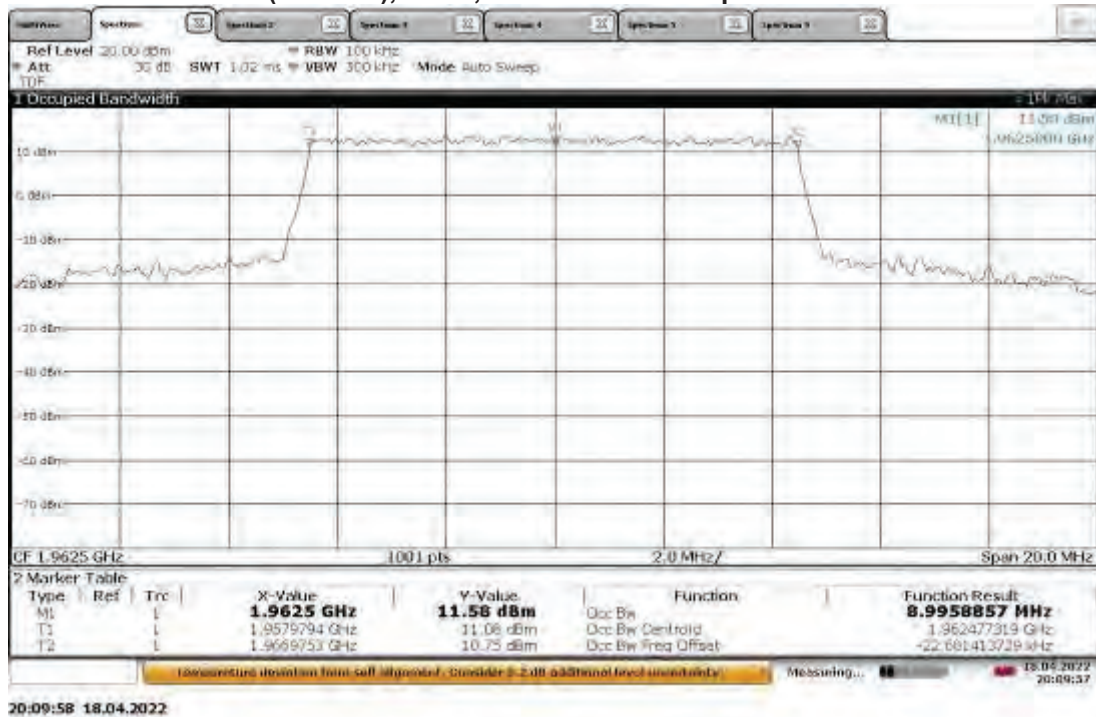


19:25:46 18.04.2022

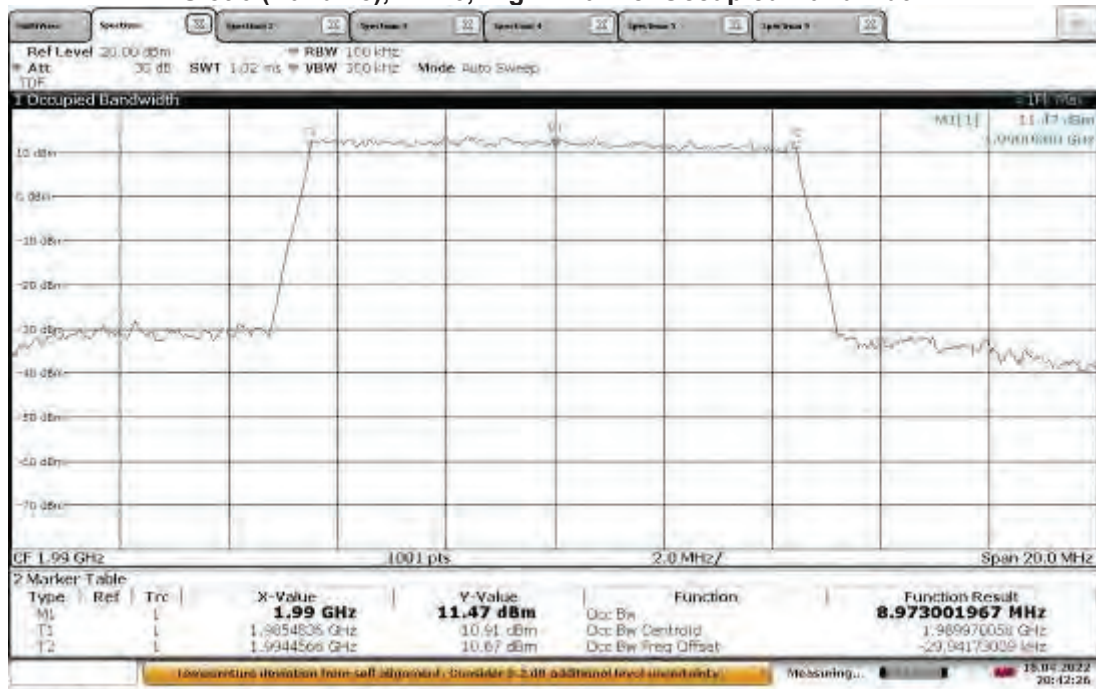
TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel Occupied Bandwidth



TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel Occupied Bandwidth

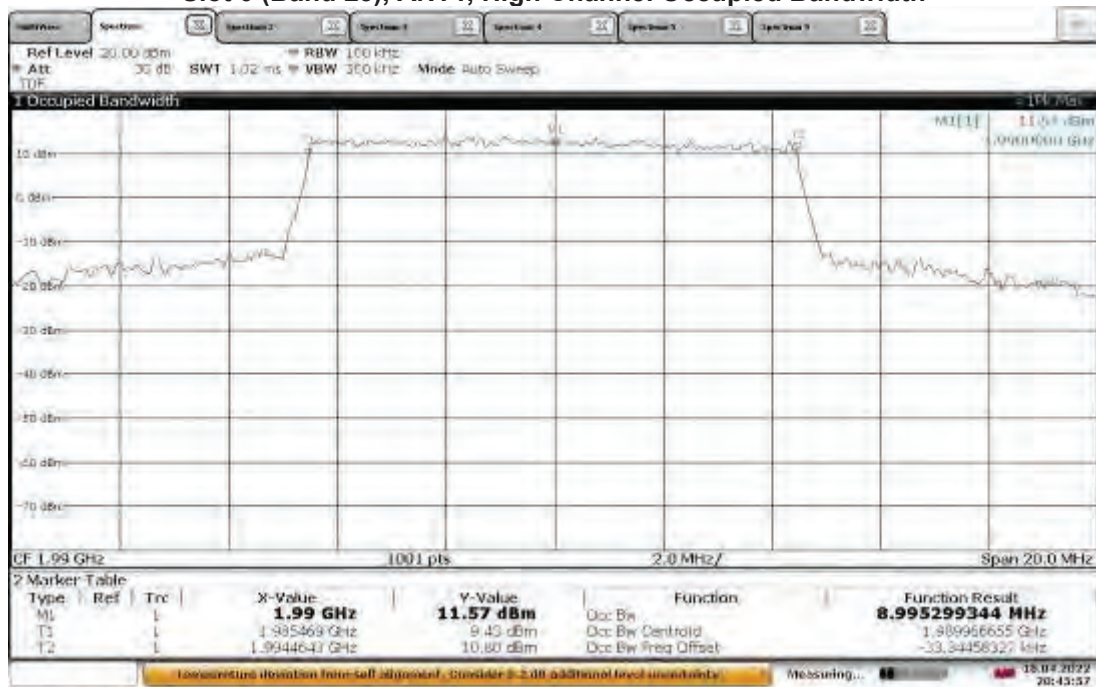


**TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel Occupied Bandwidth**



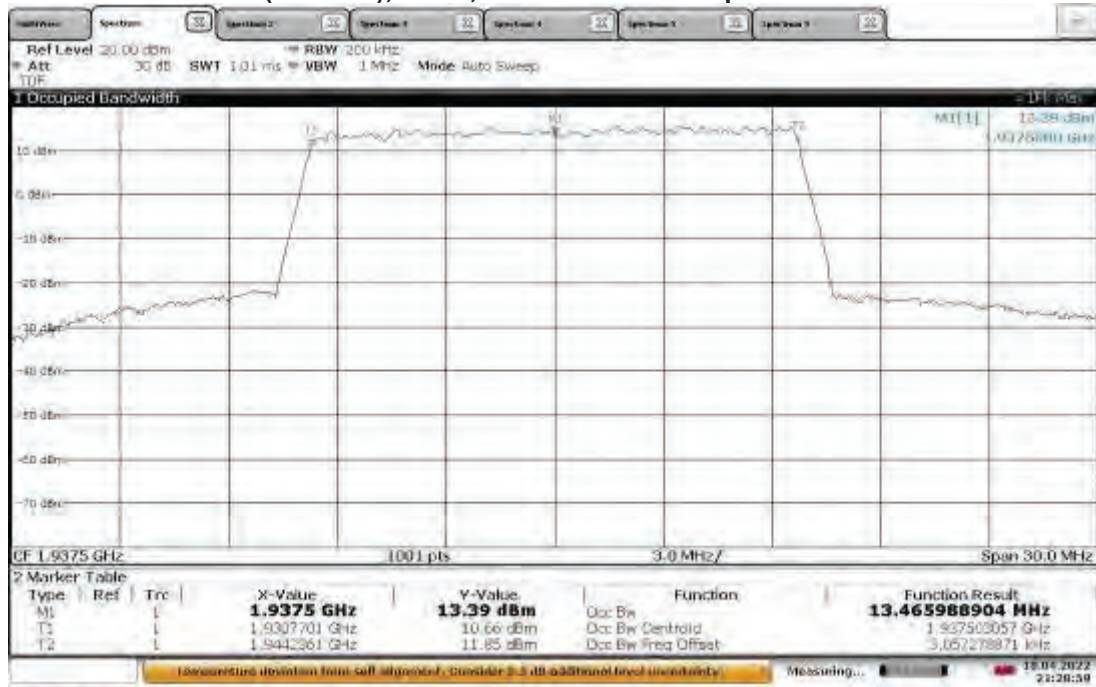
20:42:26 18.04.2022

**TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel Occupied Bandwidth**



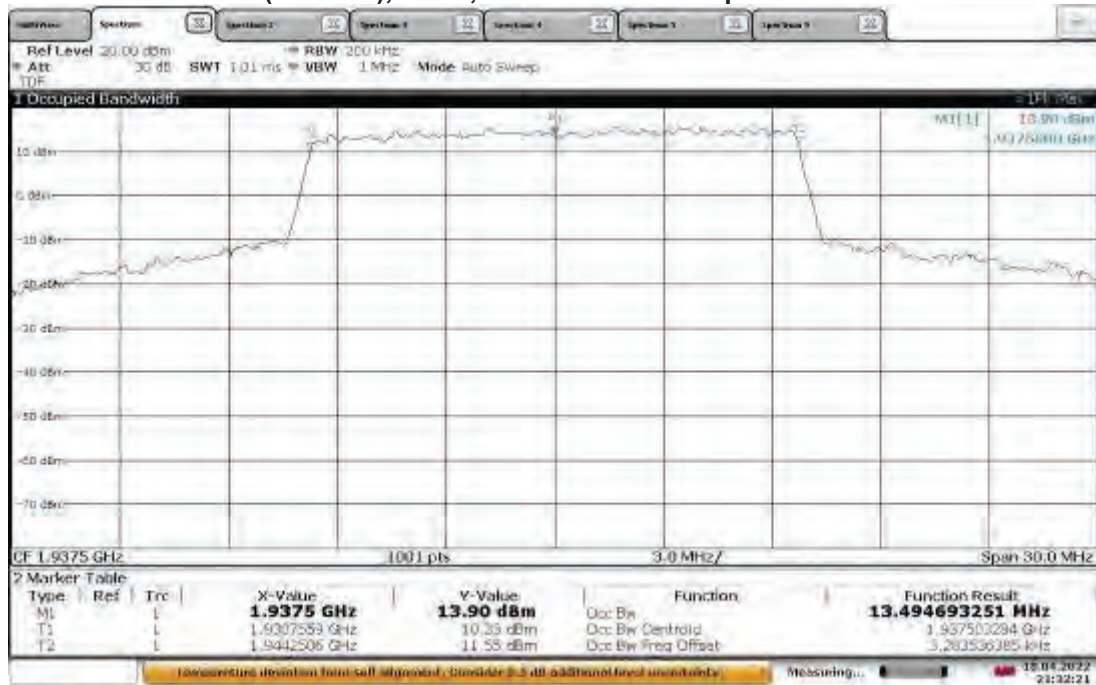
20:43:57 18.04.2022

**TM3.1-64QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel Occupied Bandwidth**



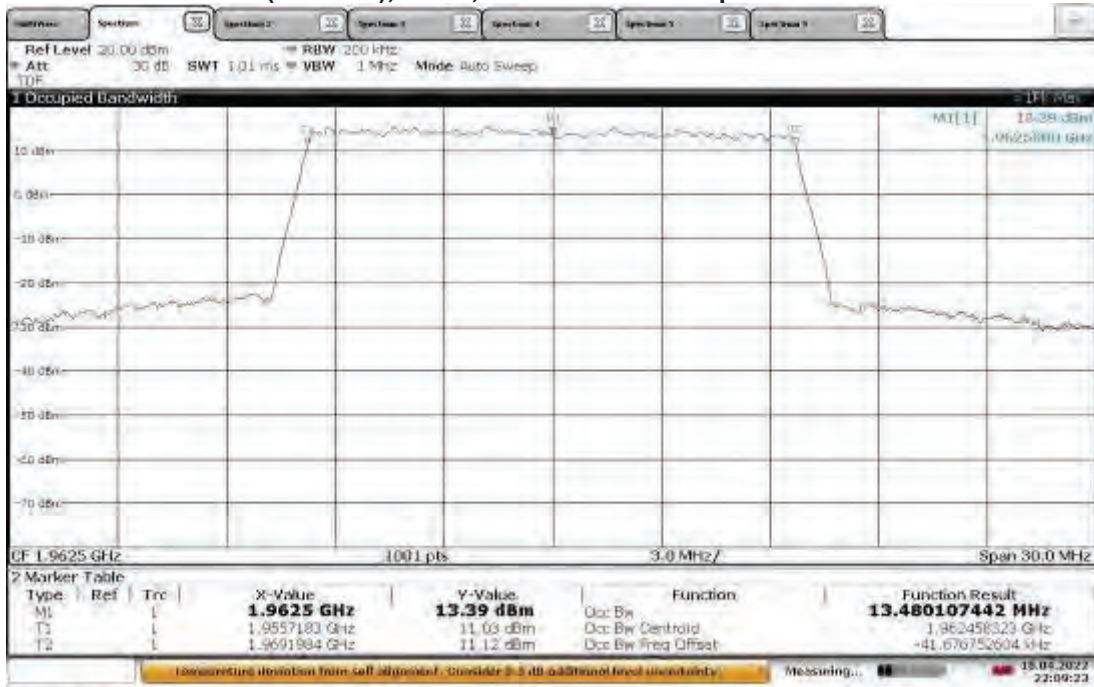
21:29:00 18.04.2022

**TM3.1-64QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel Occupied Bandwidth**



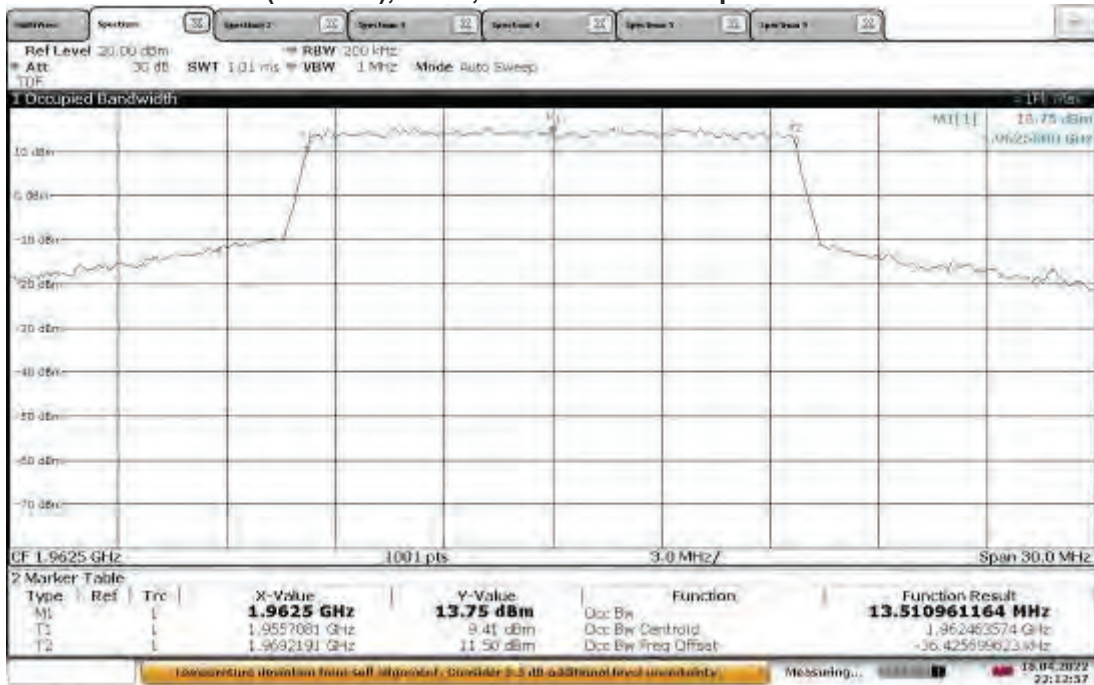
21:32:21 18.04.2022

TM3.1-64QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel Occupied Bandwidth



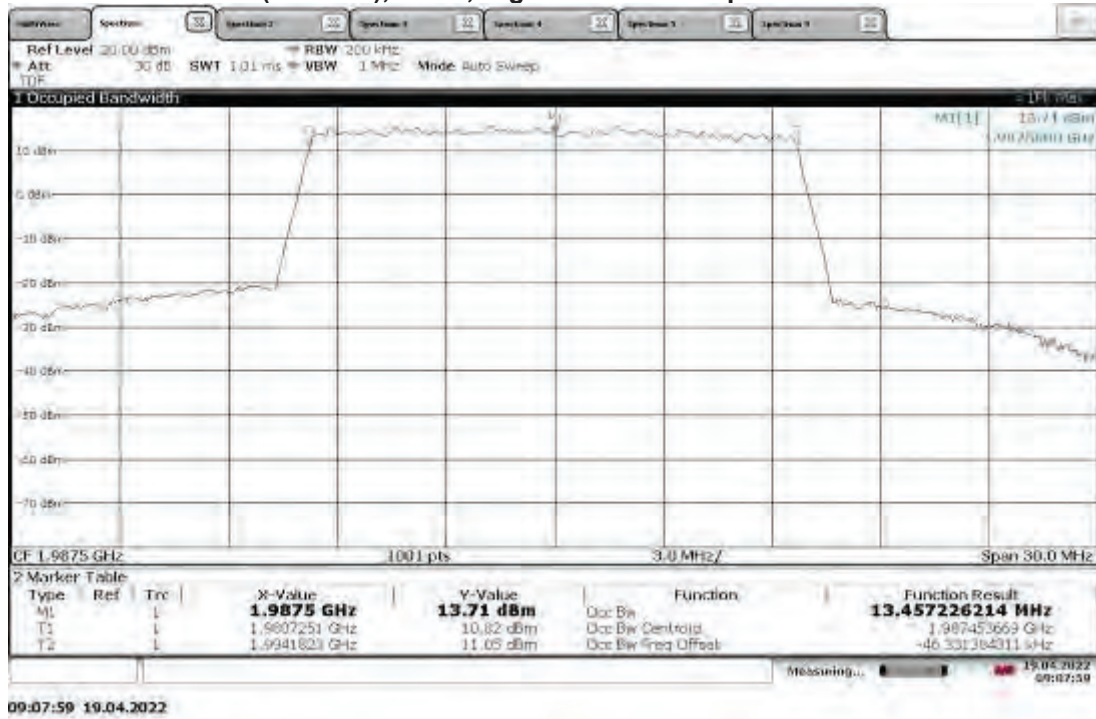
22:09:23 18.04.2022

TM3.1-64QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel Occupied Bandwidth

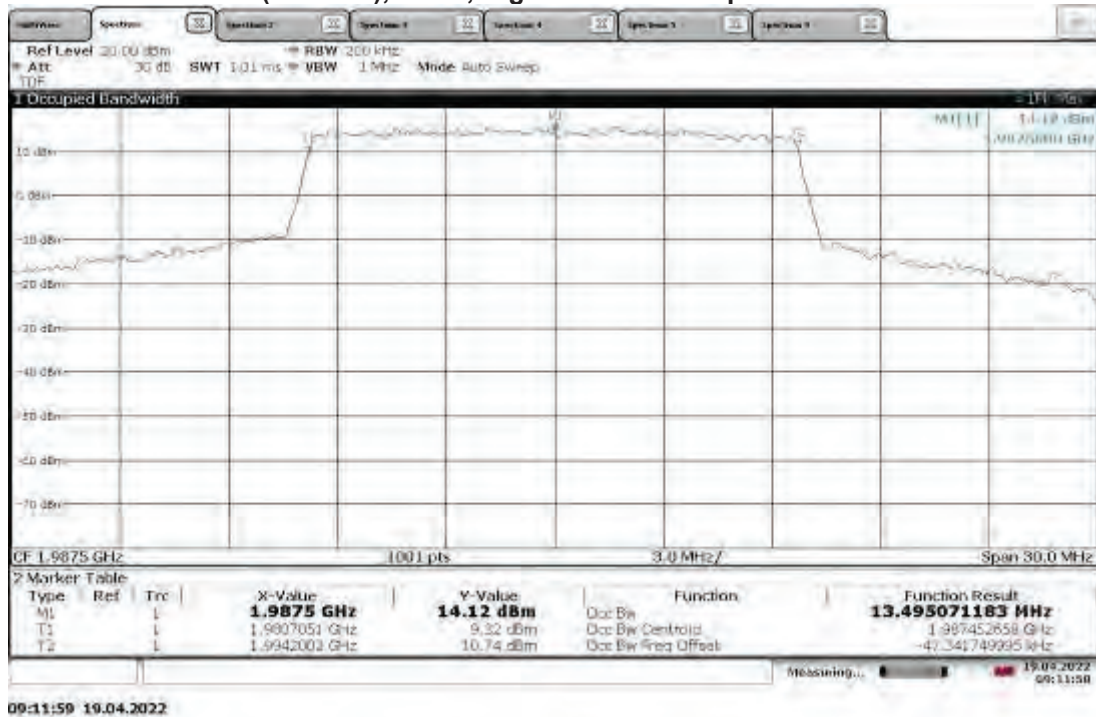


22:12:37 18.04.2022

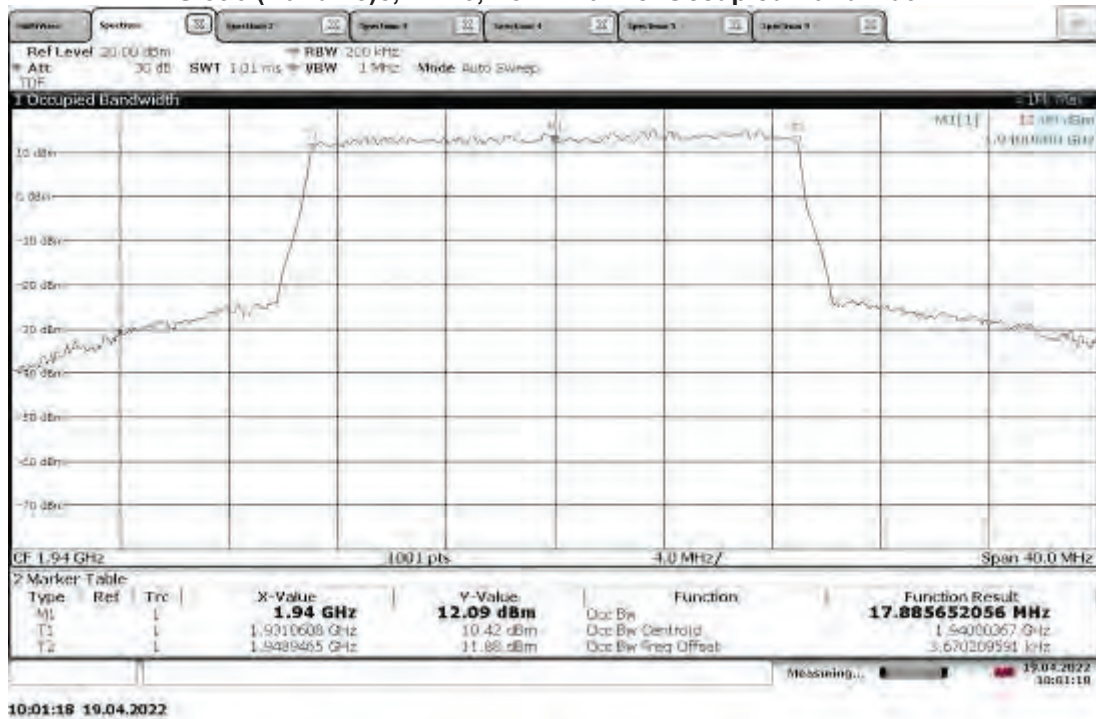
TM3.1-64QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel Occupied Bandwidth



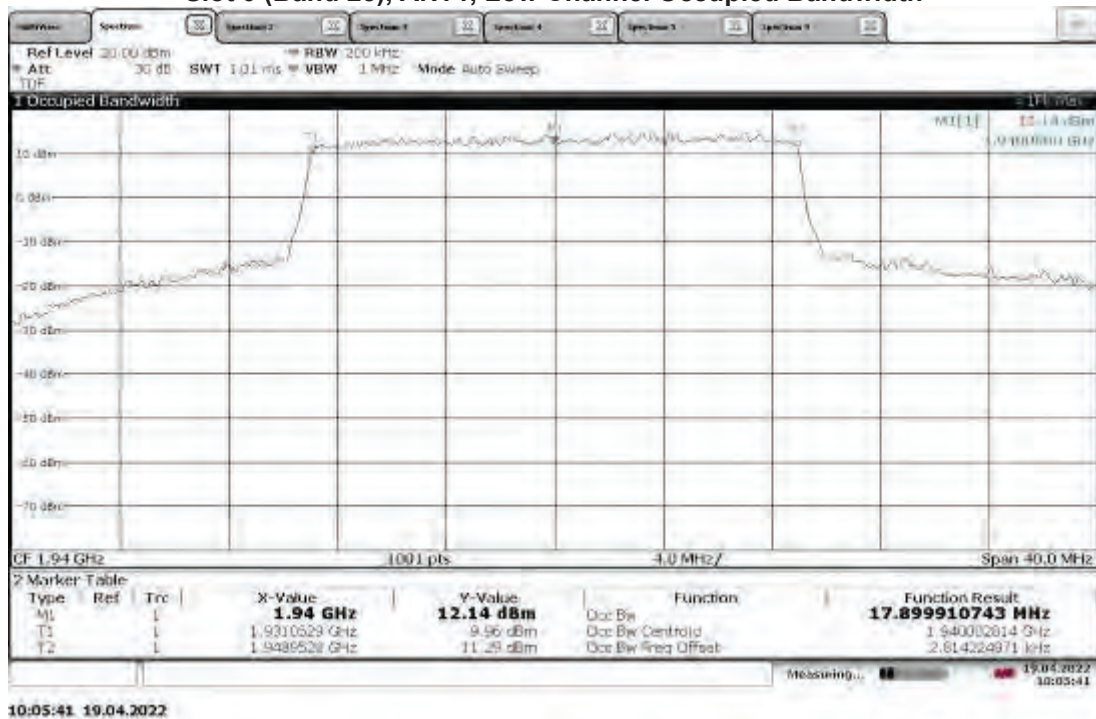
TM3.1-64QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel Occupied Bandwidth



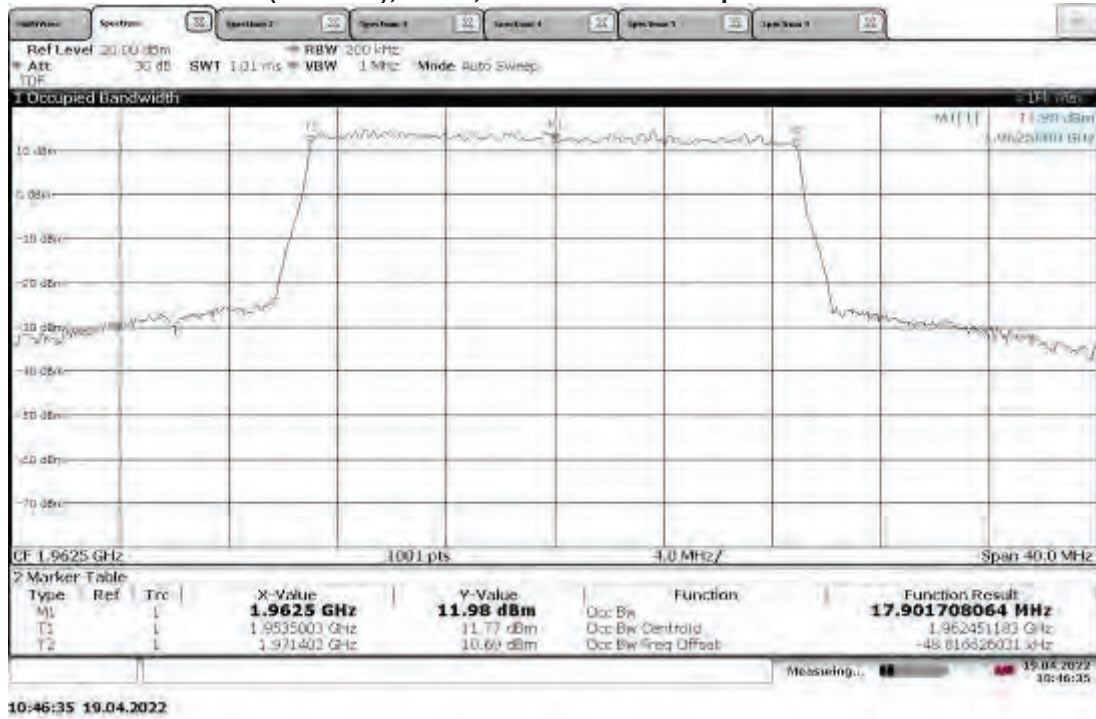
TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25)5, ANT0, Low Channel Occupied Bandwidth



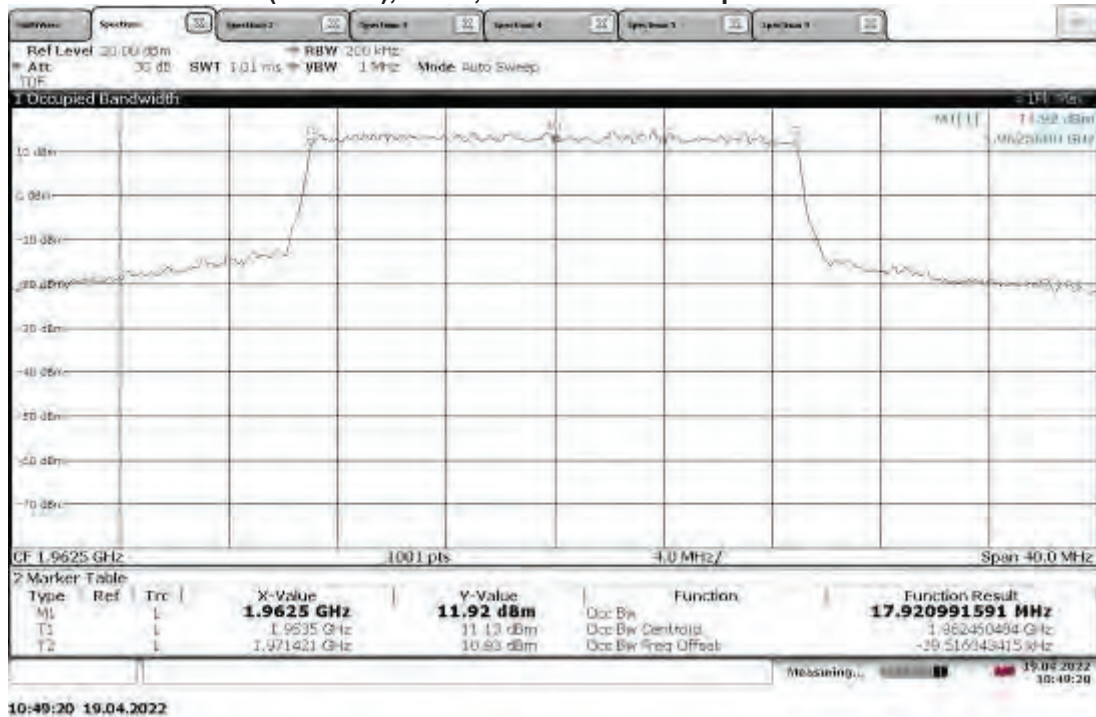
TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel Occupied Bandwidth



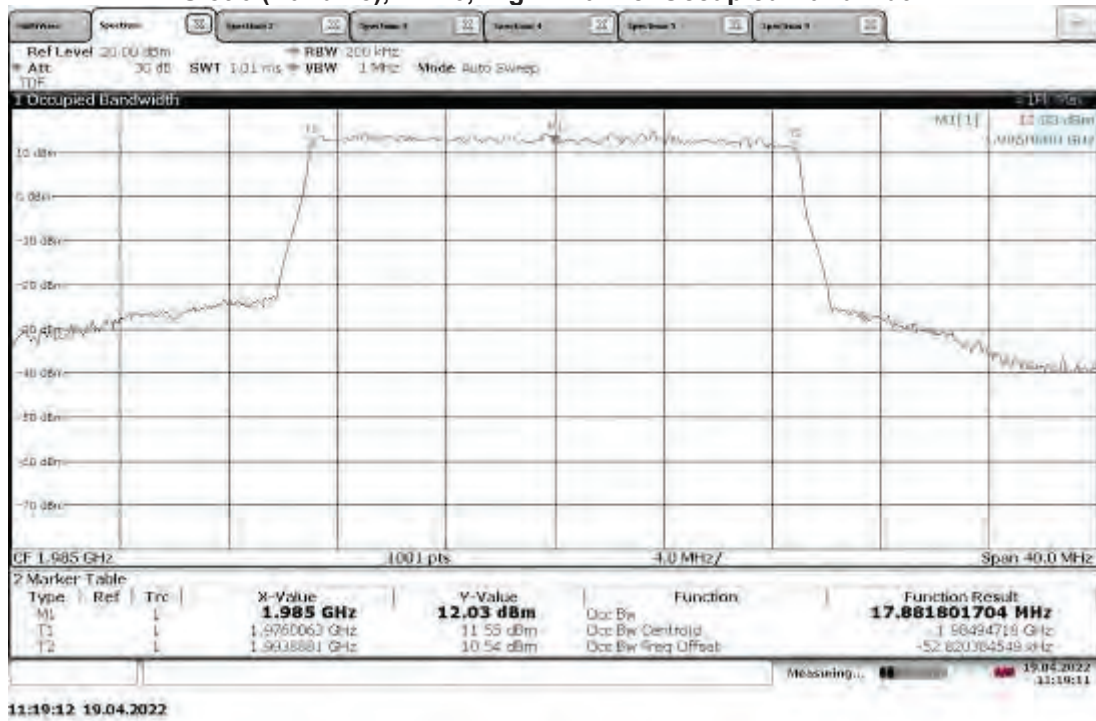
TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel Occupied Bandwidth



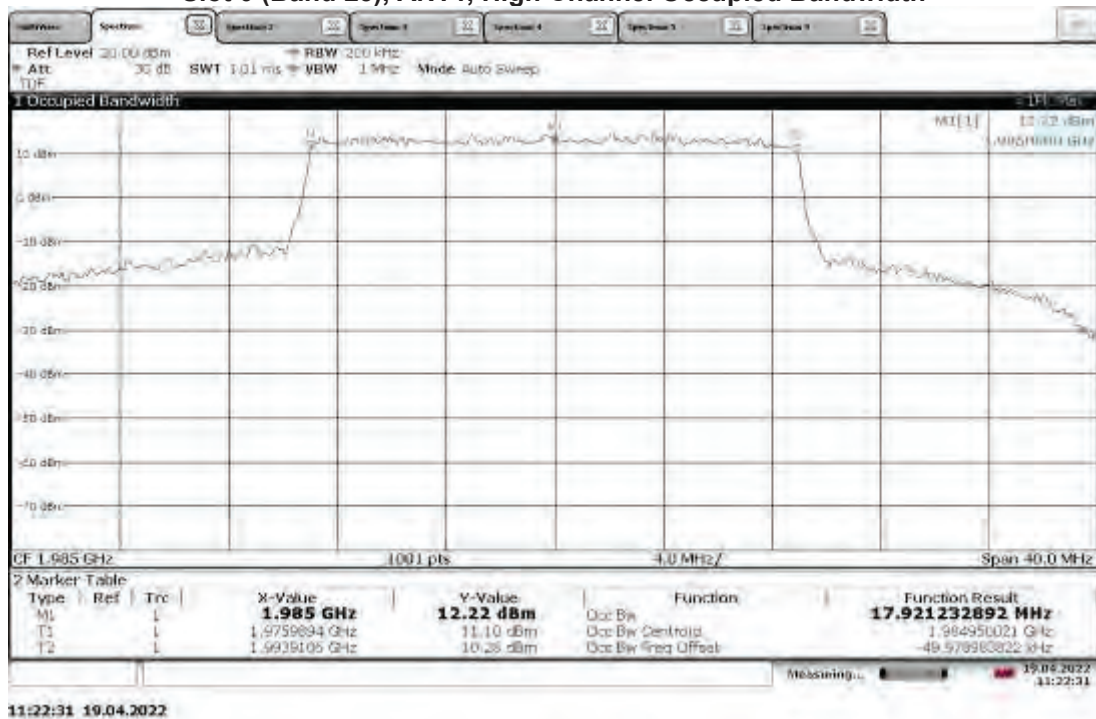
TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel Occupied Bandwidth



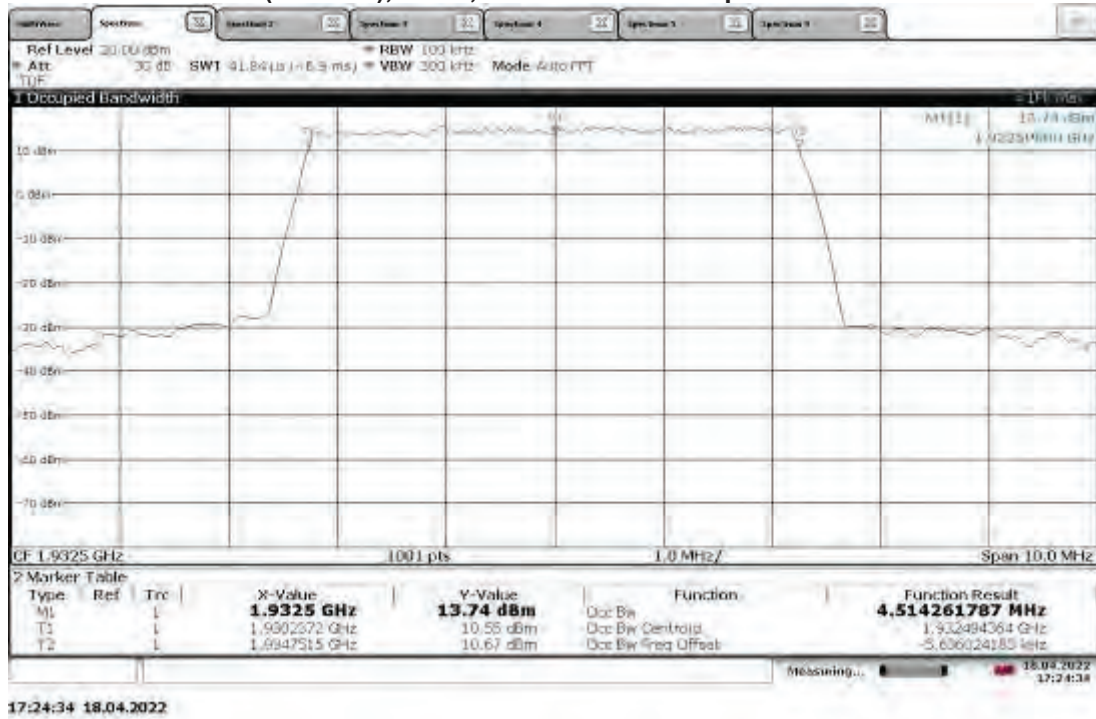
TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel Occupied Bandwidth



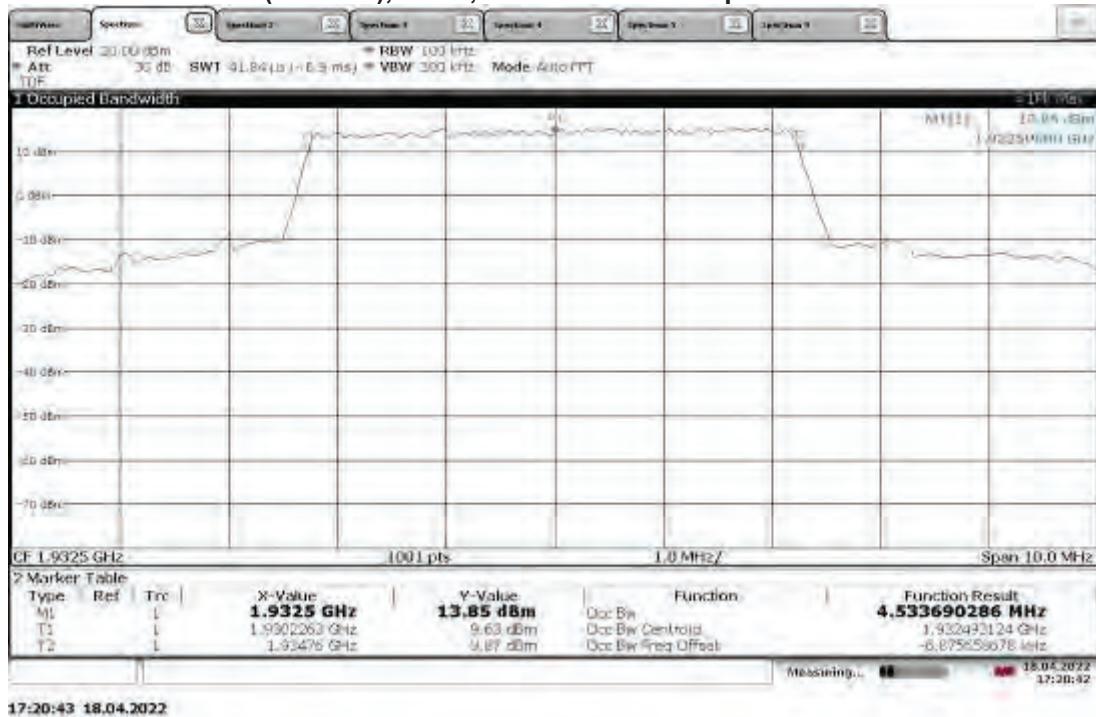
TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel Occupied Bandwidth



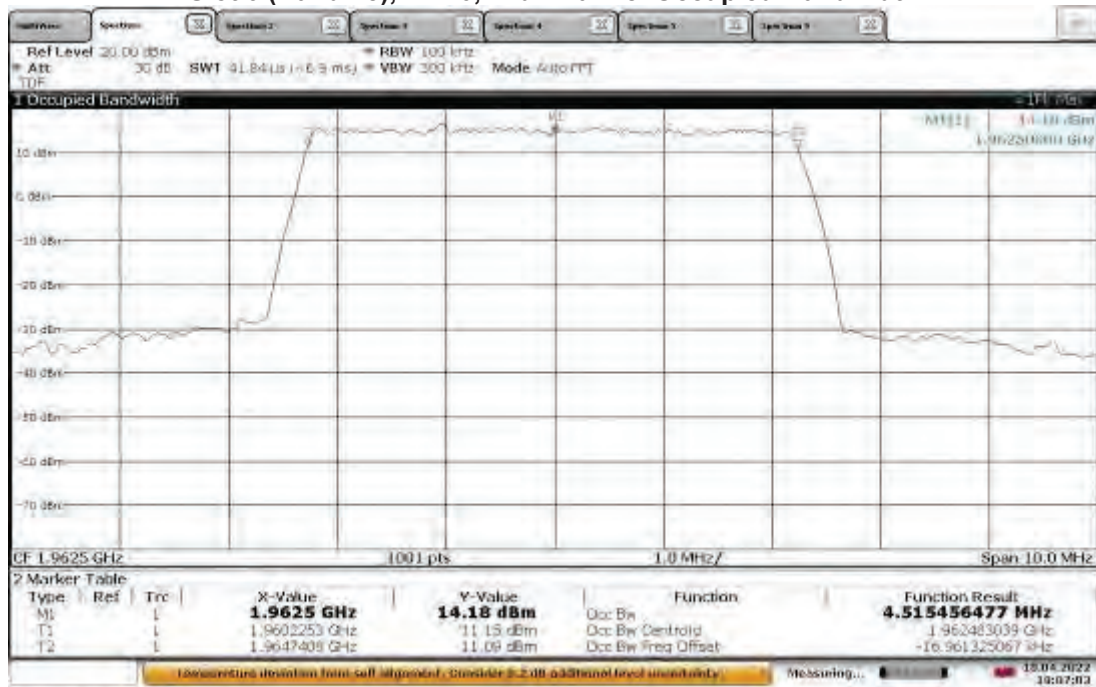
**TM3.1a-256QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel Occupied Bandwidth**



**TM3.1a-256QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel Occupied Bandwidth**

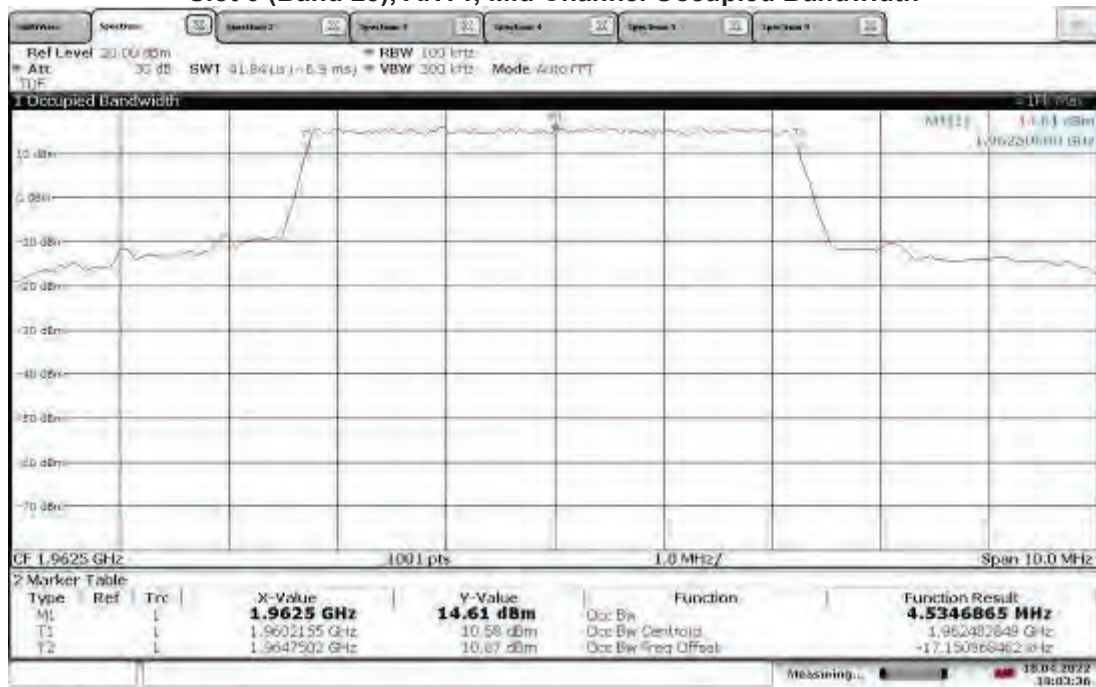


**TM3.1a-256QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel Occupied Bandwidth**



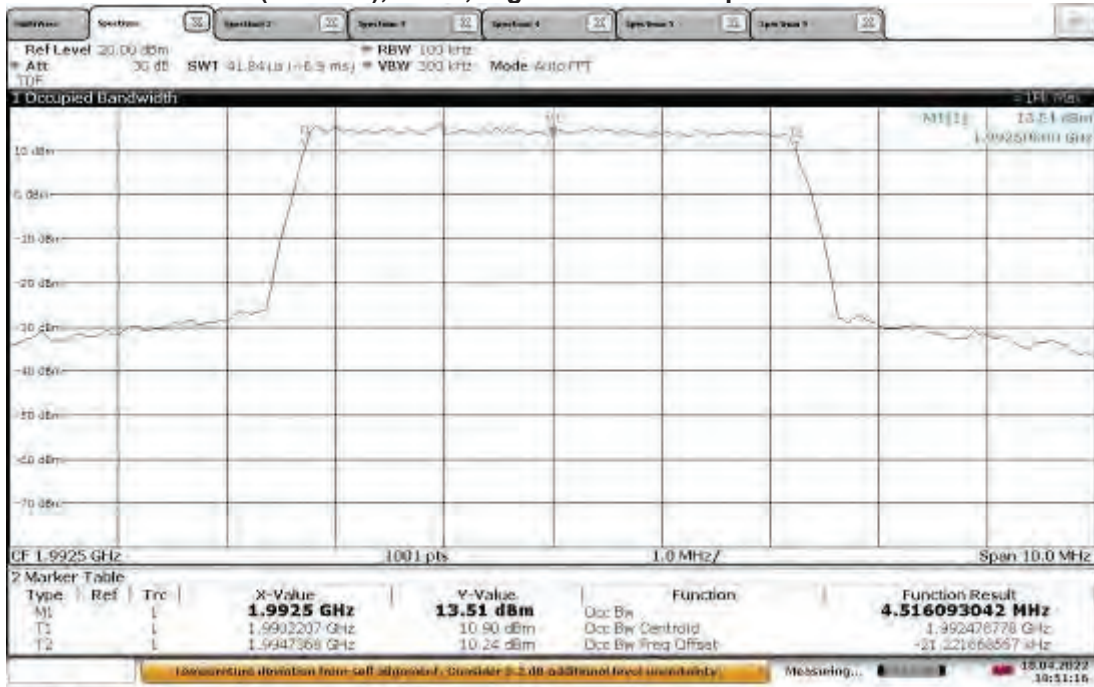
18:07:03 18.04.2022

**TM3.1a-256QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel Occupied Bandwidth**



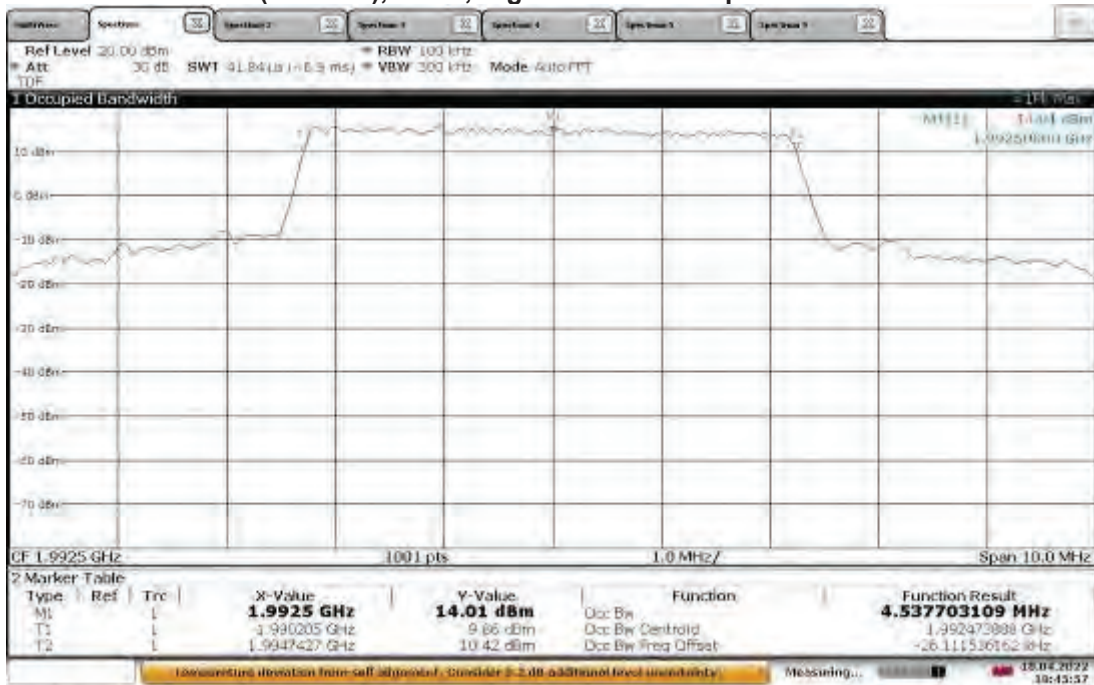
18:03:36 18.04.2022

**TM3.1a-256QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel Occupied Bandwidth**



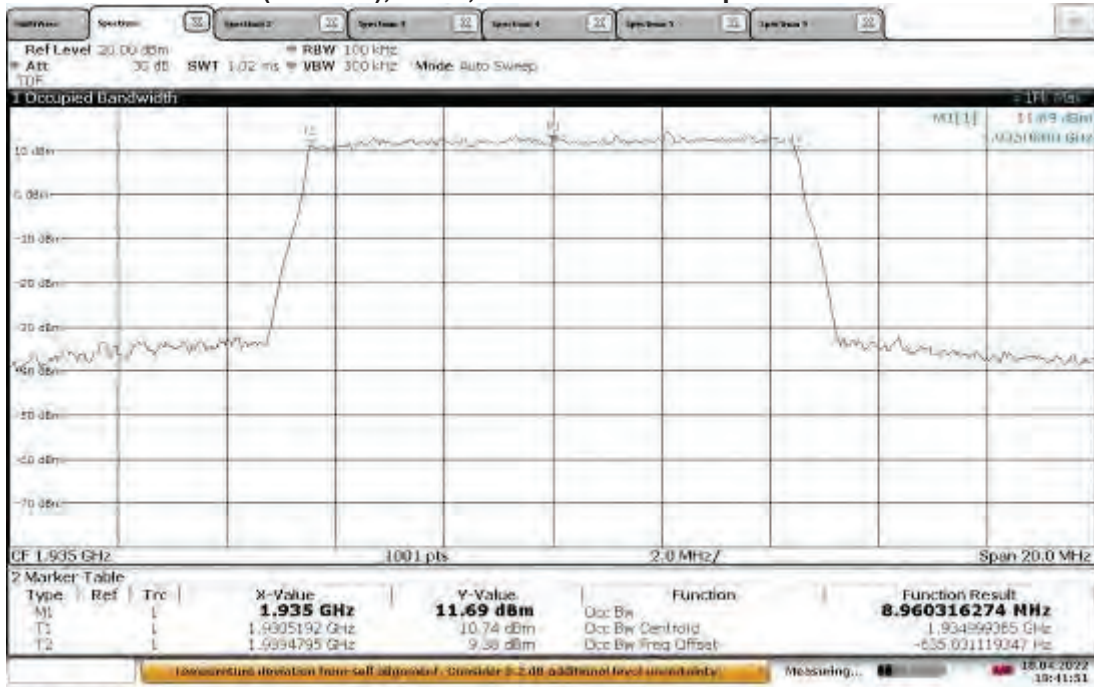
18:51:16 18.04.2022

**TM3.1a-256QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel Occupied Bandwidth**



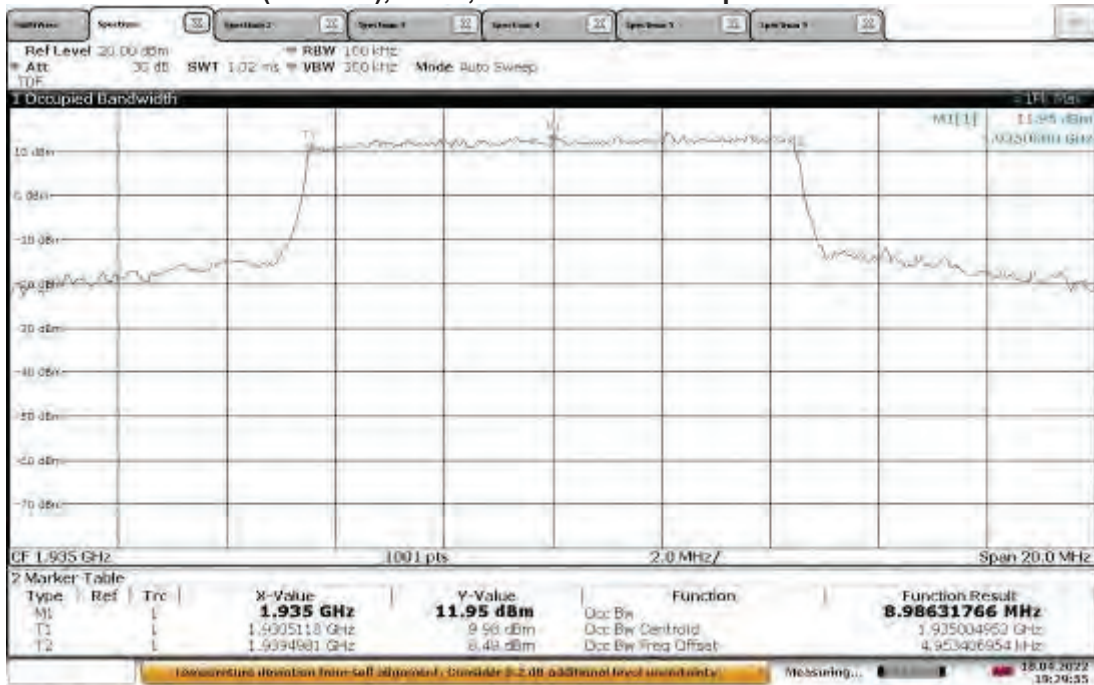
18:45:57 18.04.2022

**TM3.1a-256QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel Occupied Bandwidth**



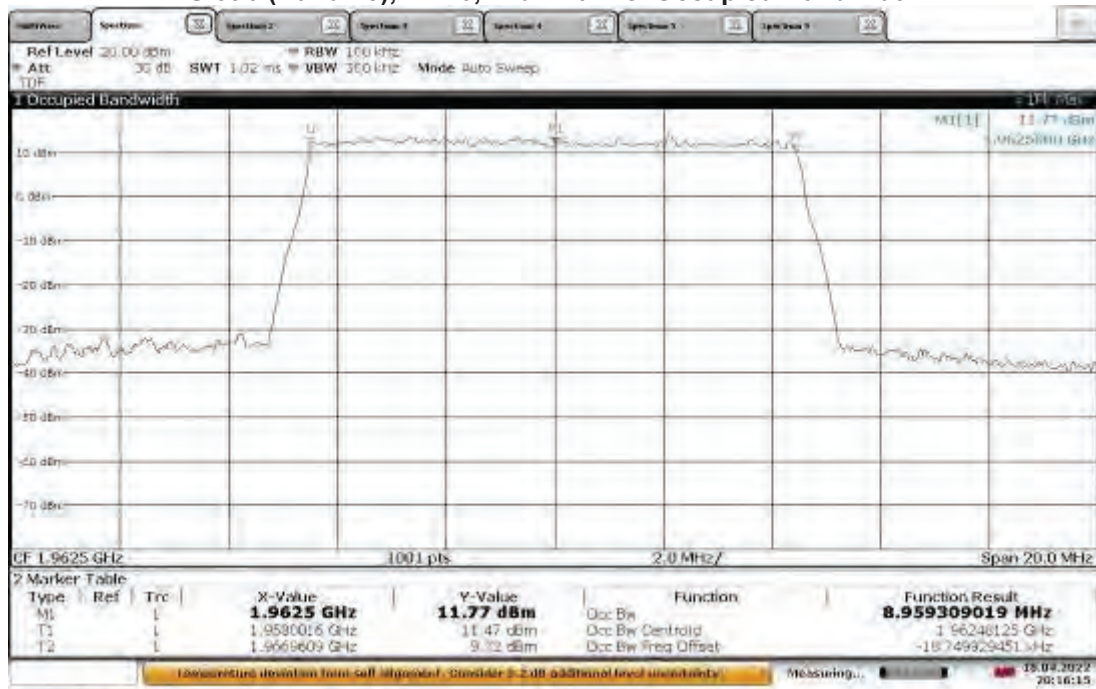
19:41:51 18.04.2022

**TM3.1a-256QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel Occupied Bandwidth**



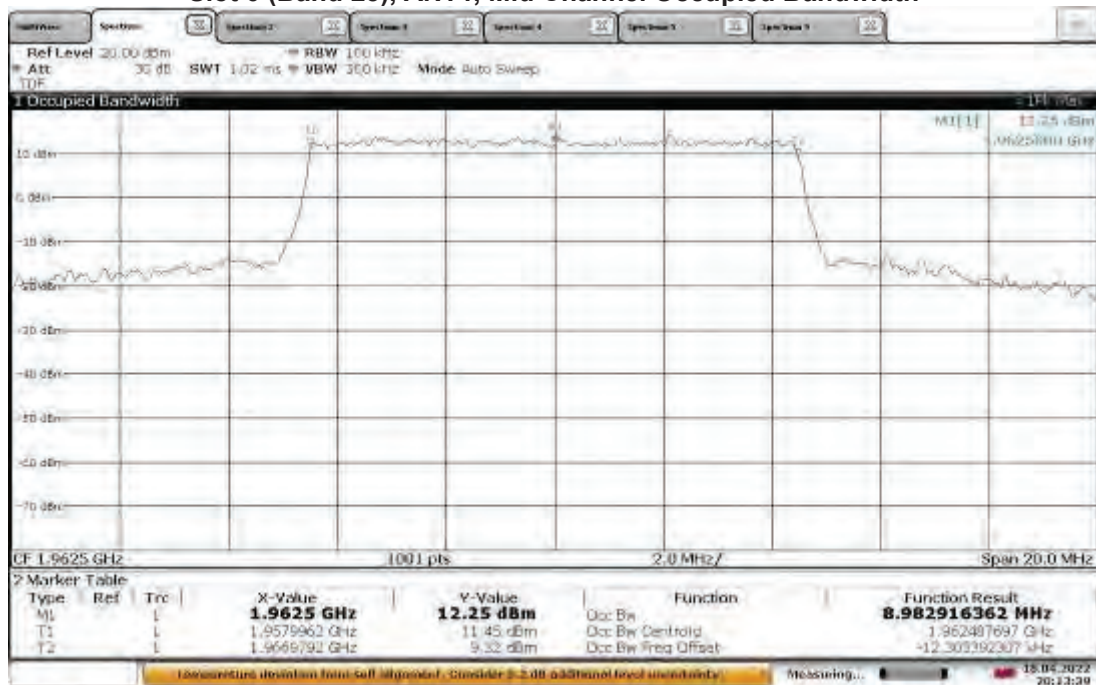
19:29:56 18.04.2022

**TM3.1a-256QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel Occupied Bandwidth**



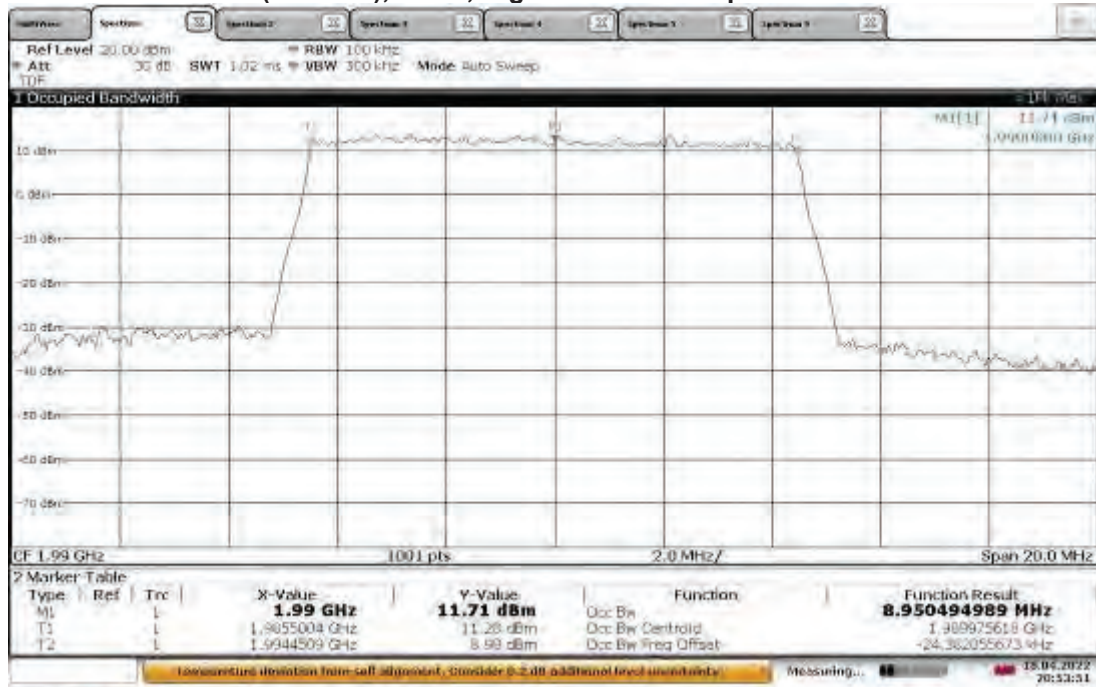
20:16:16 18.04.2022

**TM3.1a-256QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel Occupied Bandwidth**



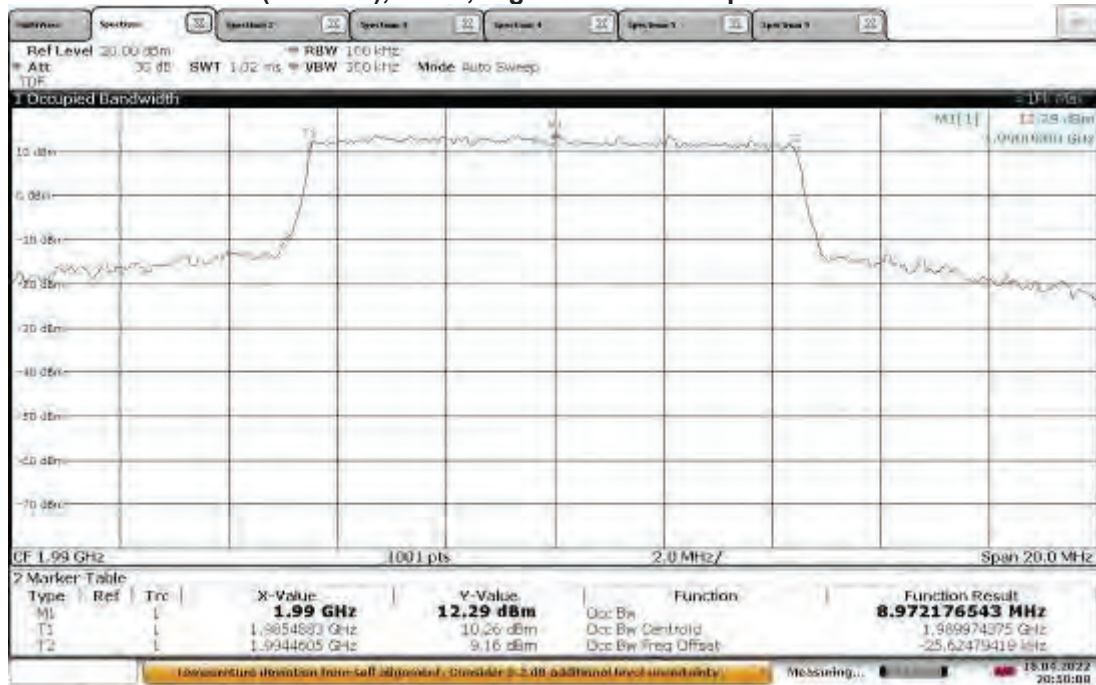
20:13:39 18.04.2022

TM3.1a-256QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel Occupied Bandwidth



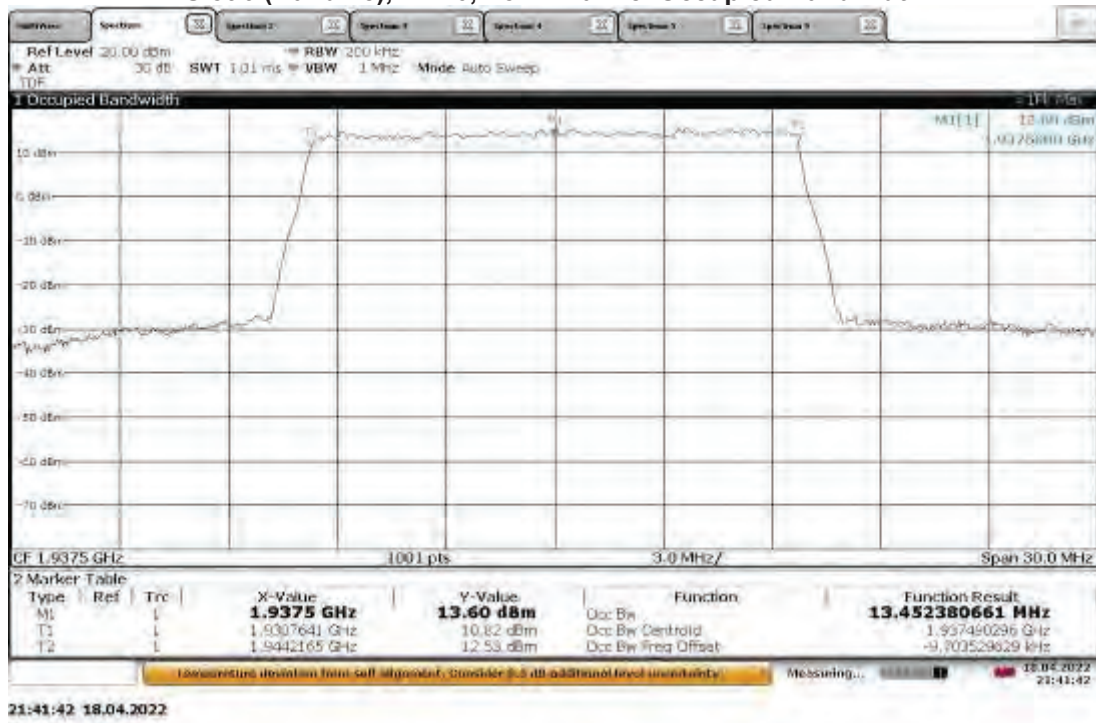
20:53:51 18.04.2022

TM3.1a-256QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel Occupied Bandwidth

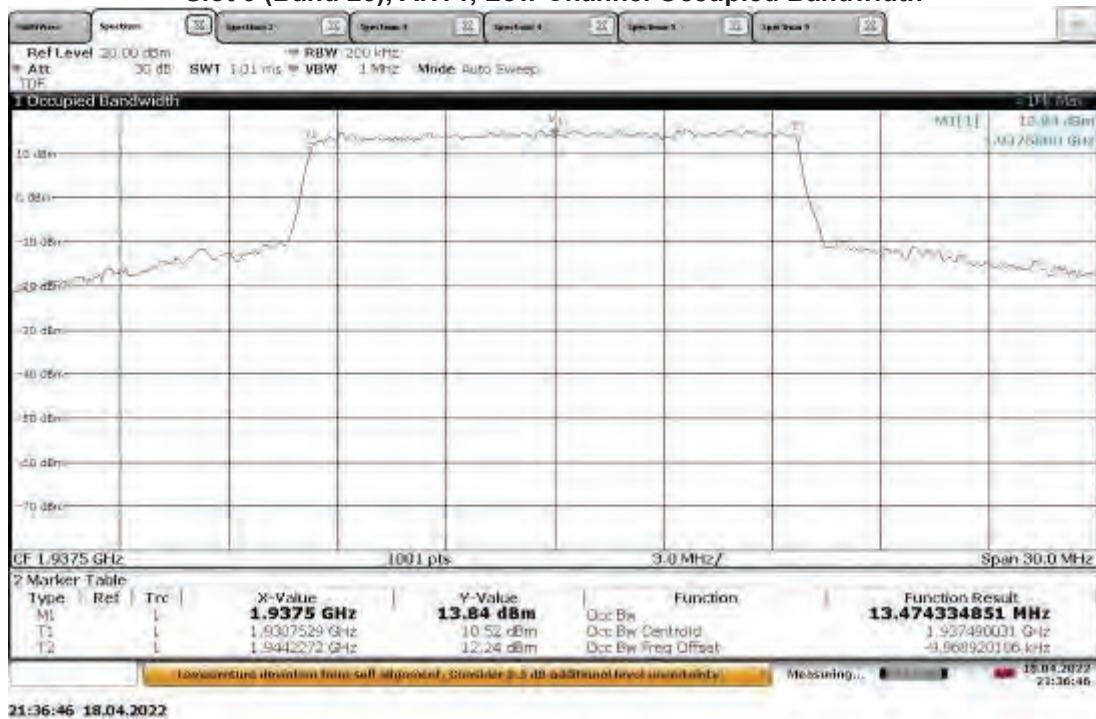


20:50:08 18.04.2022

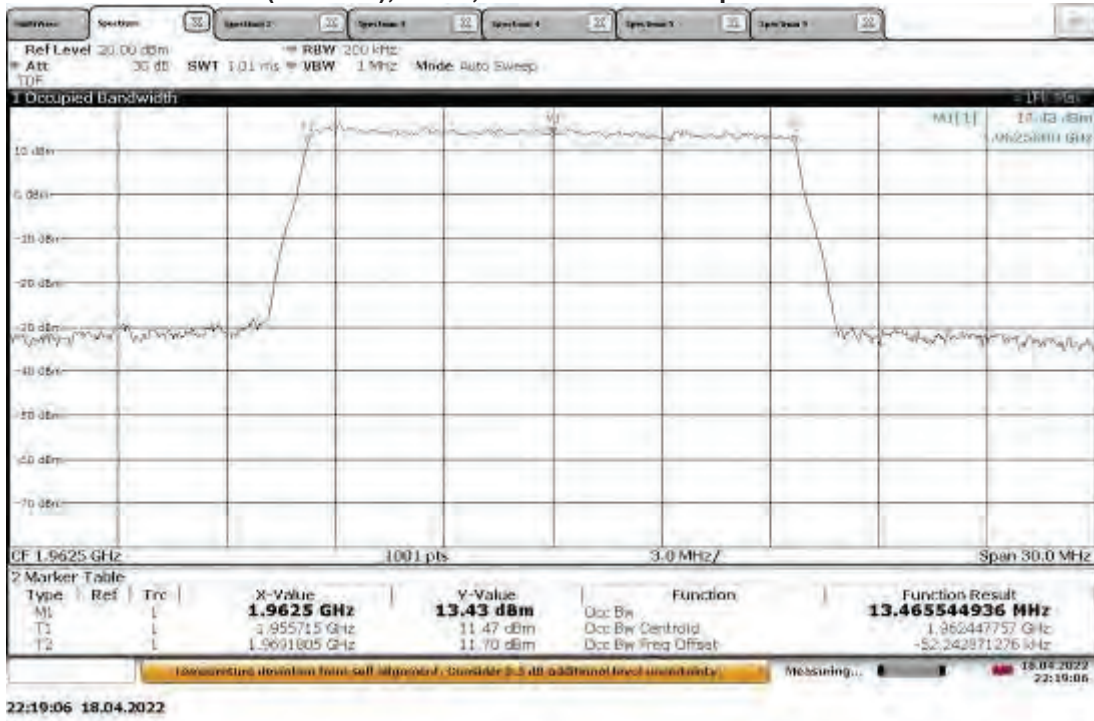
**TM3.1a-256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel Occupied Bandwidth**



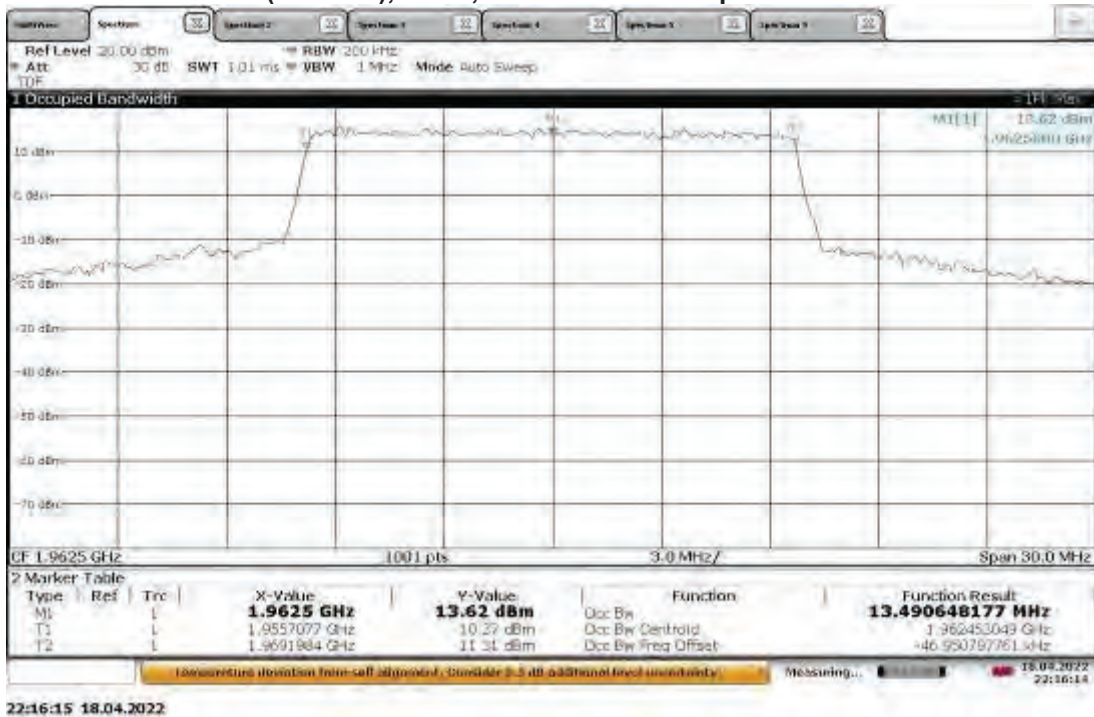
**TM3.1a-256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel Occupied Bandwidth**



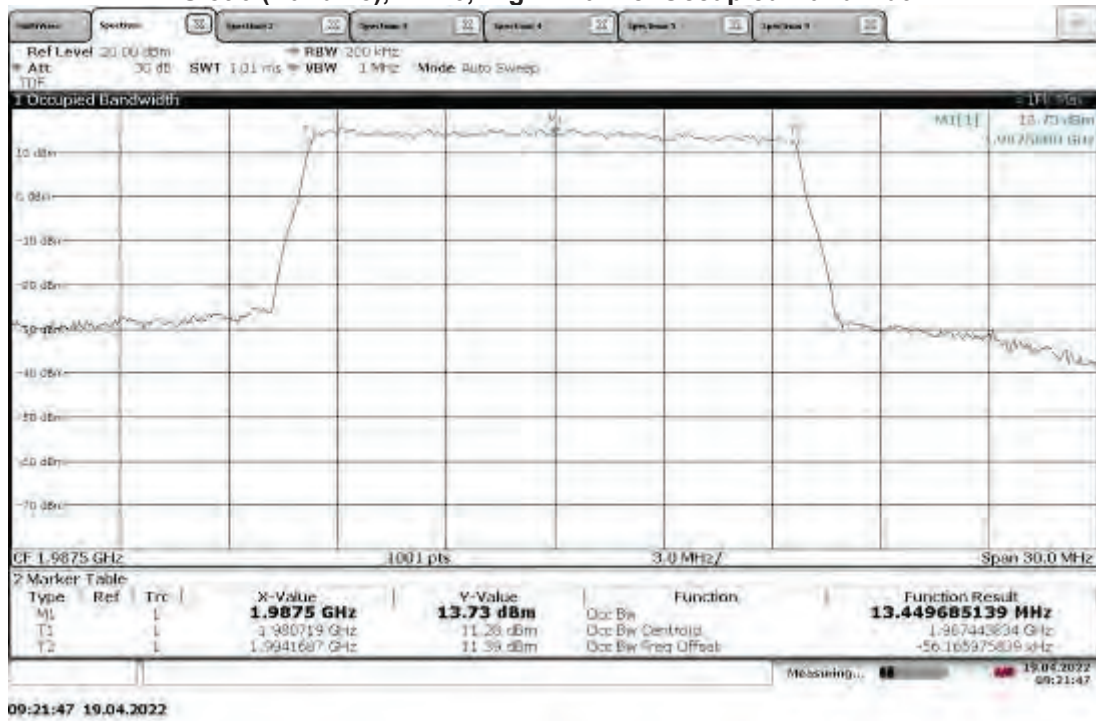
TM3.1a-256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel Occupied Bandwidth



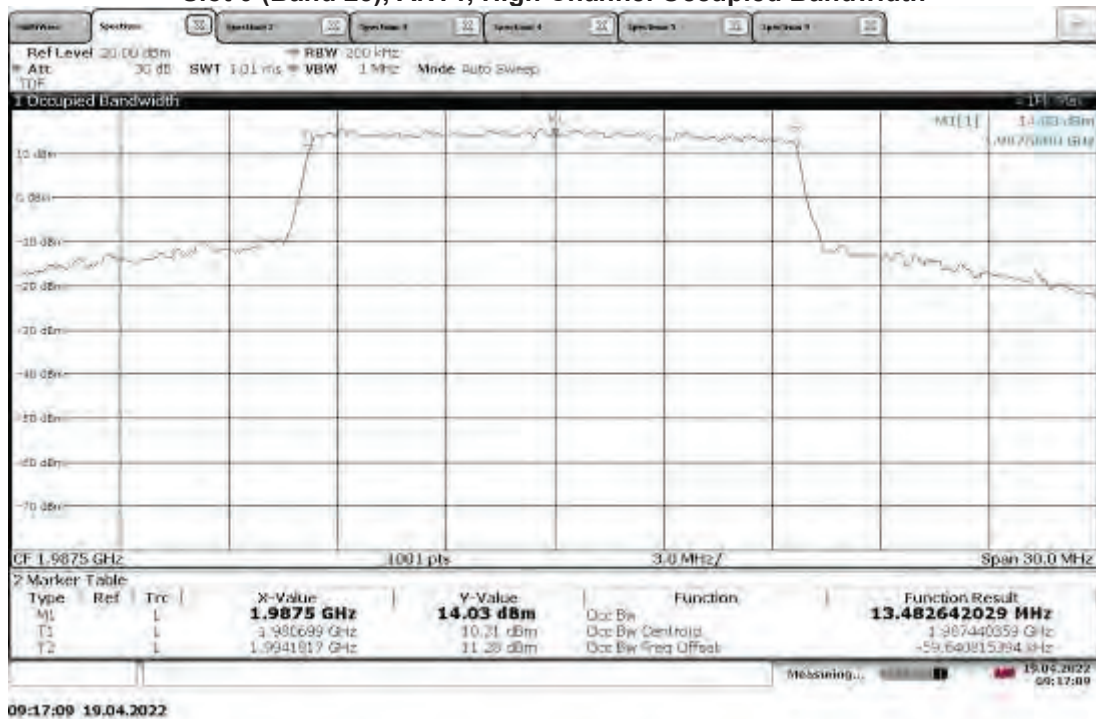
TM3.1a-256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel Occupied Bandwidth



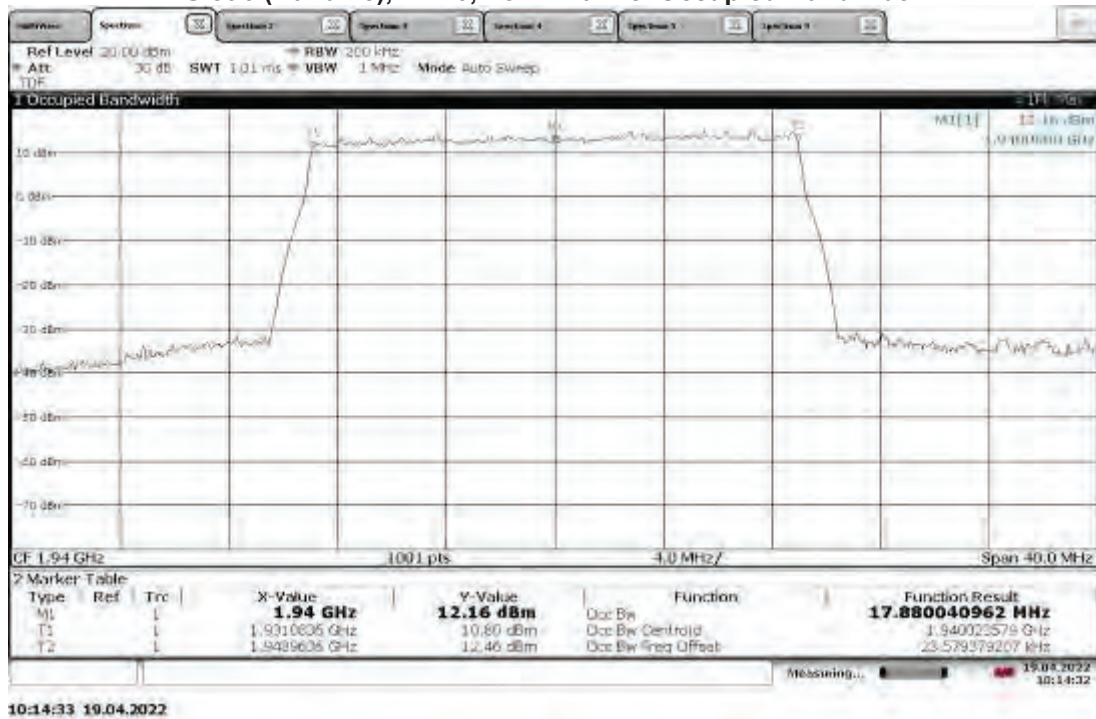
TM3.1a-256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel Occupied Bandwidth



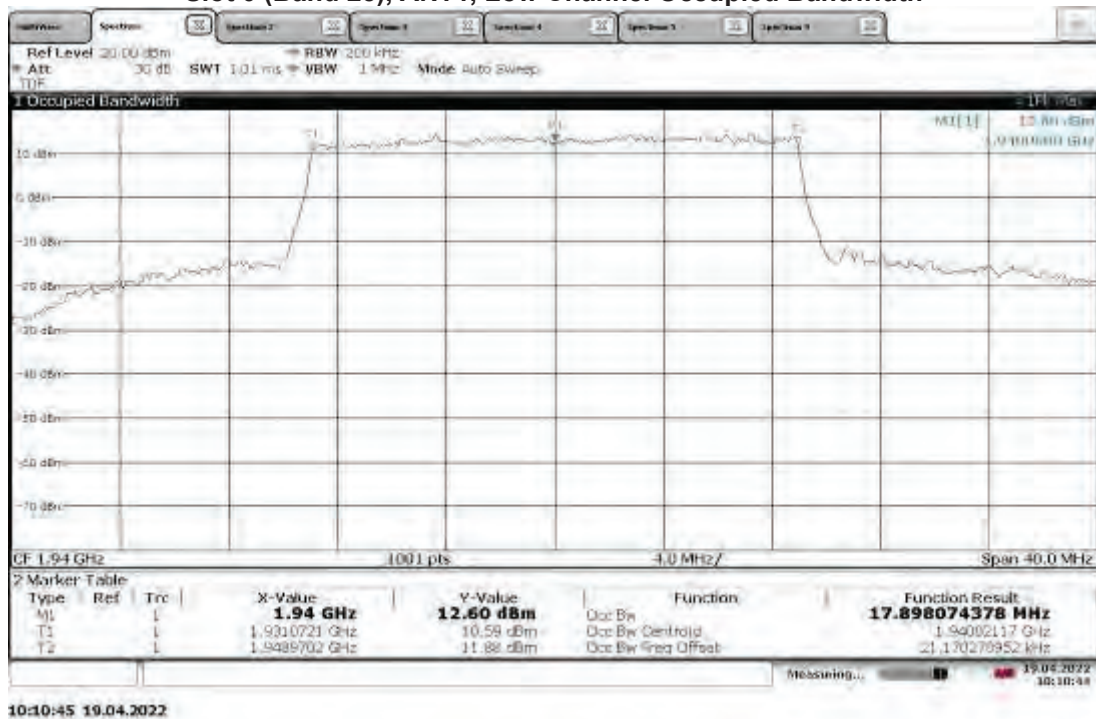
TM3.1a-256QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel Occupied Bandwidth



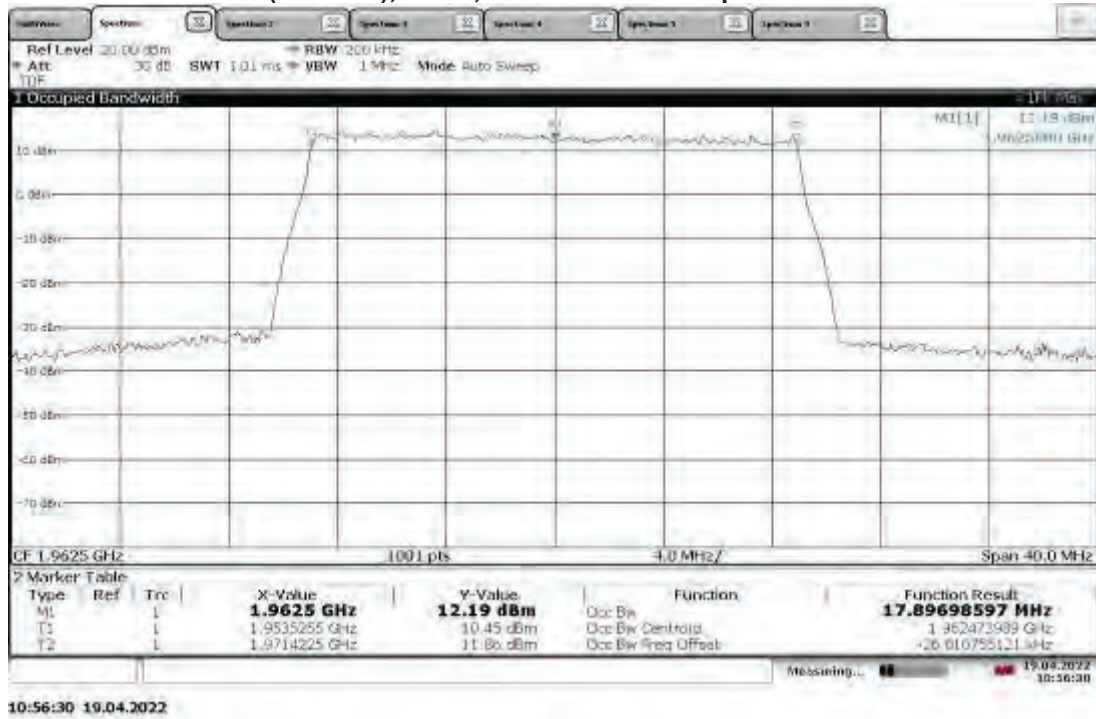
TM3.1a-256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel Occupied Bandwidth



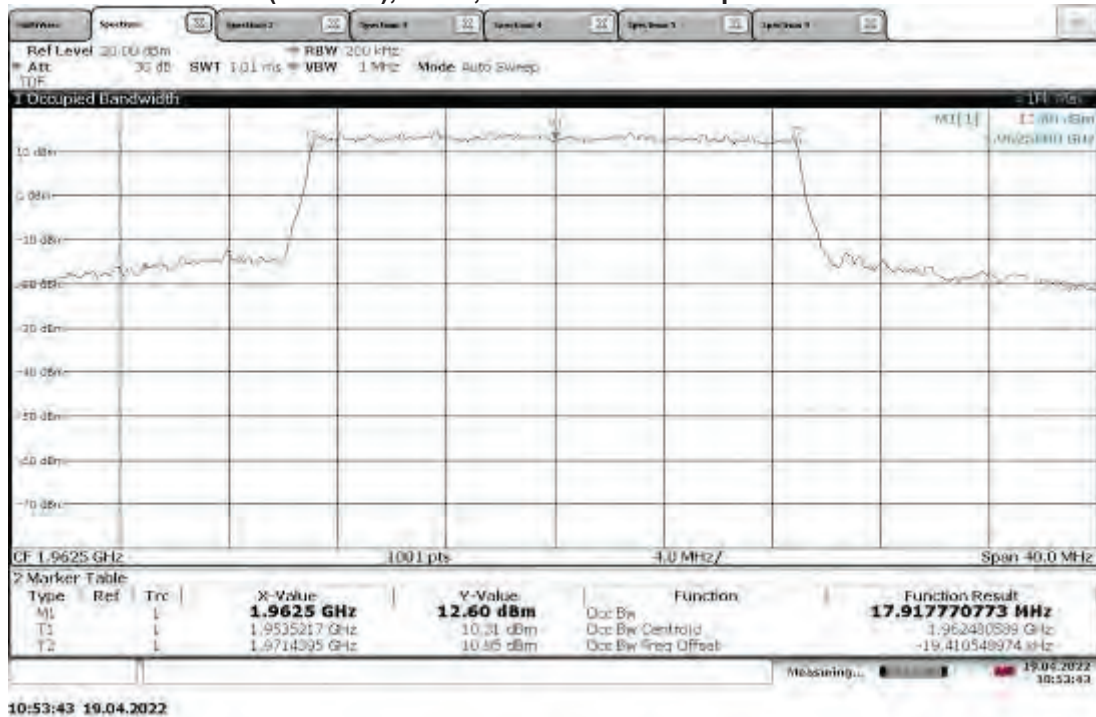
TM3.1a-256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel Occupied Bandwidth



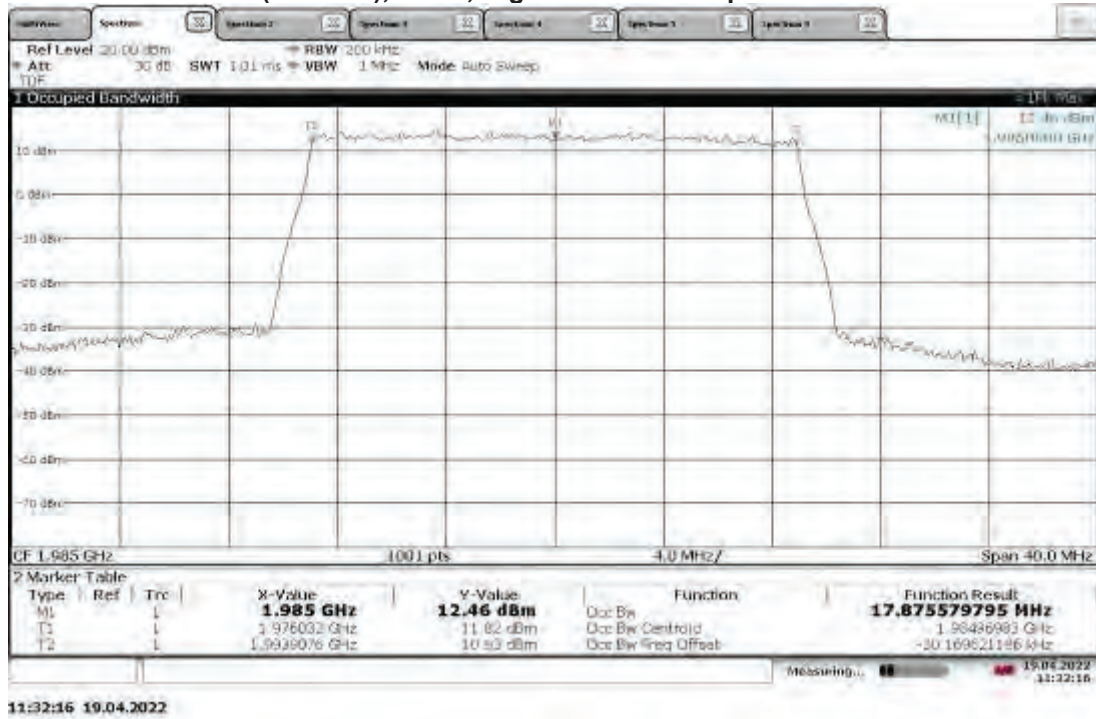
**TM3.1a-256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel Occupied Bandwidth**



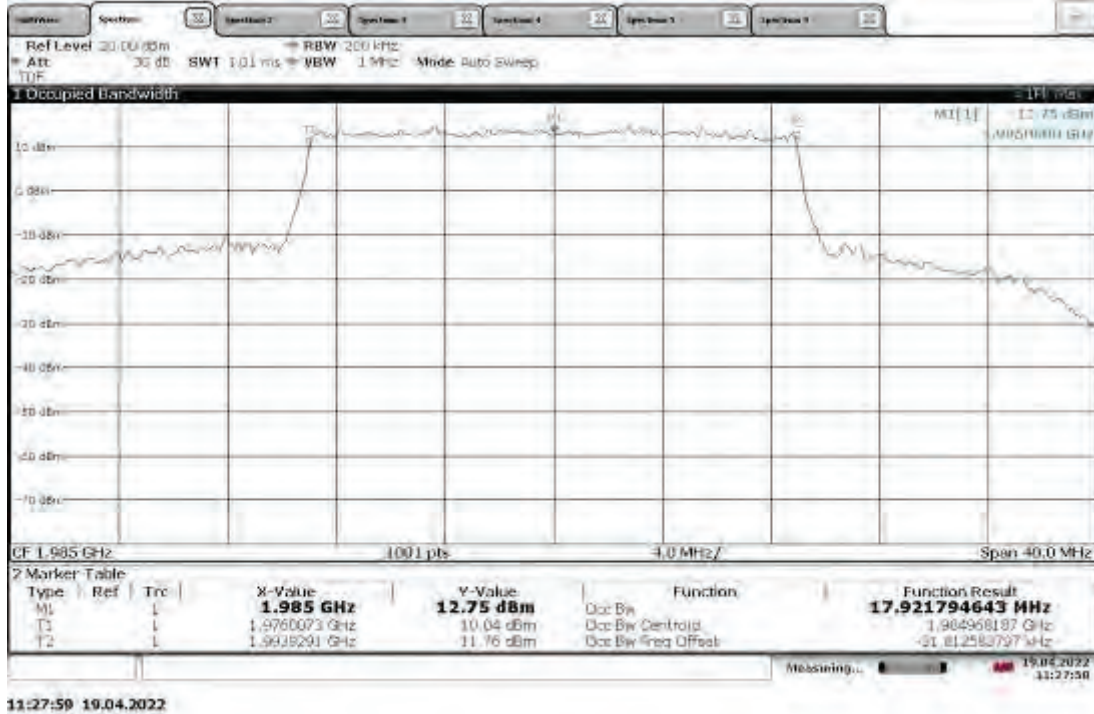
**TM3.1a-256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel Occupied Bandwidth**



**TM3.1a-256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel Occupied Bandwidth**

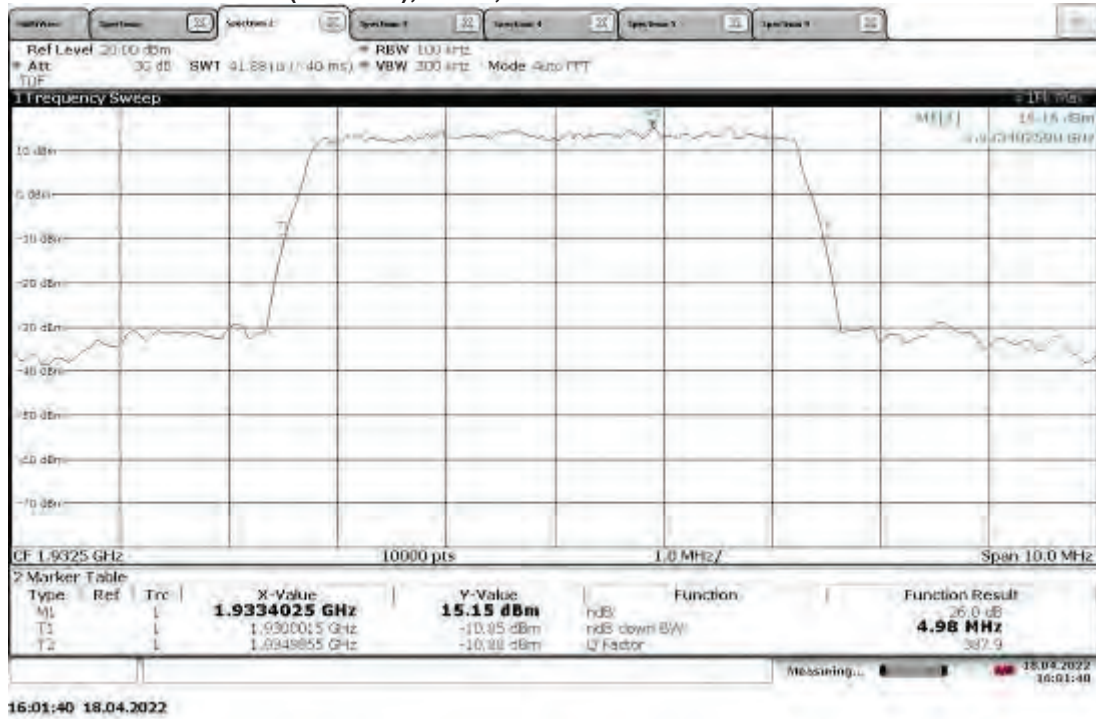


**TM3.1a-256QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel Occupied Bandwidth**

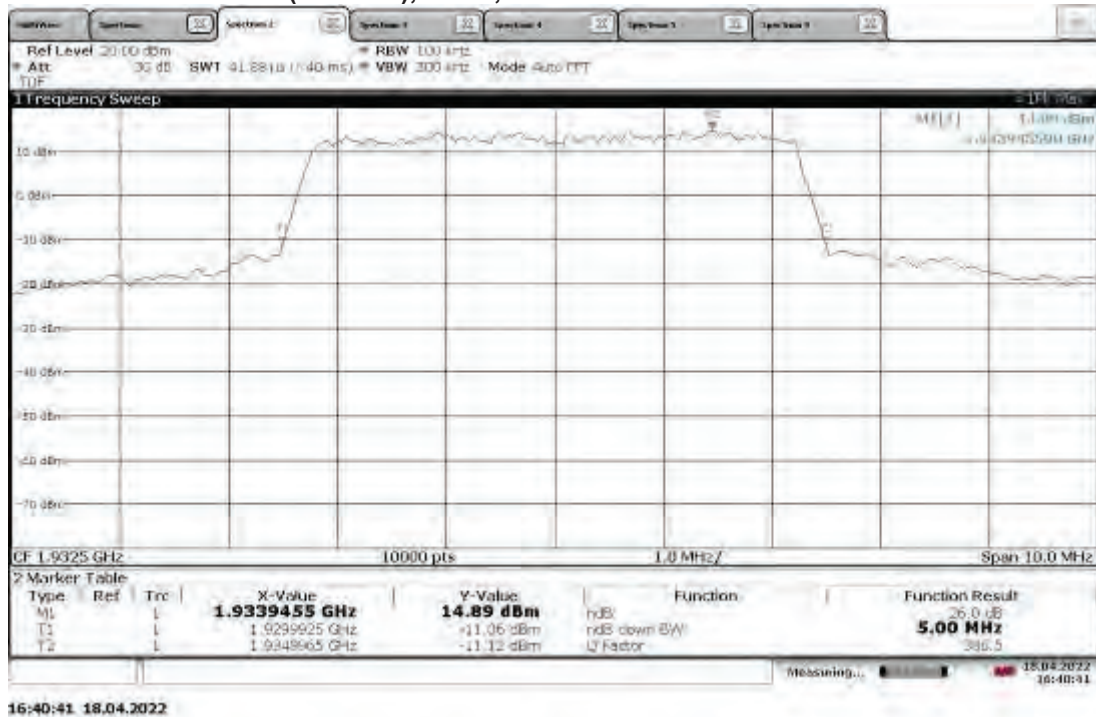


TM1.1-

QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel 26 dB Bandwidth

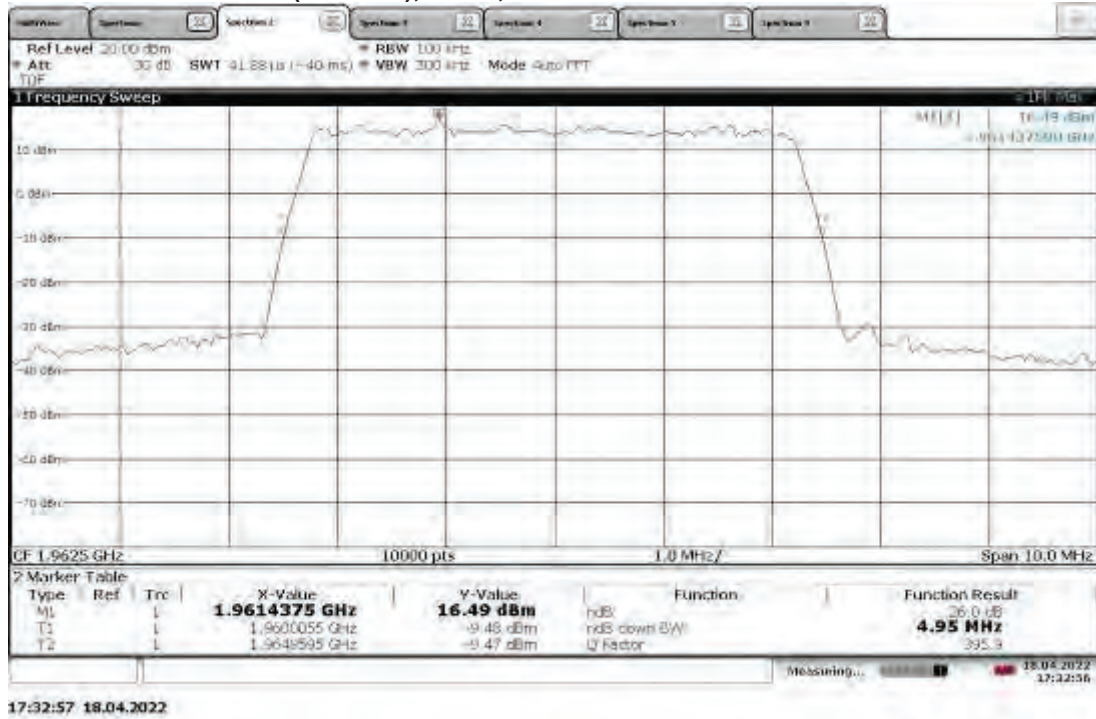
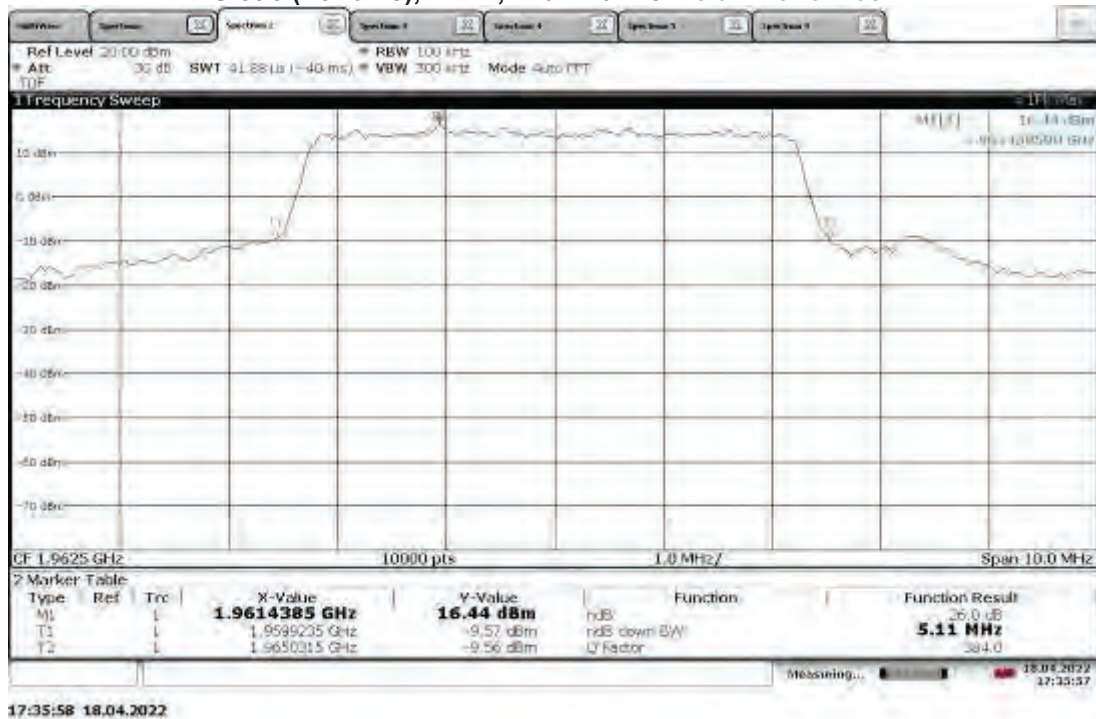


TM1.1-QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel 26 dB Bandwidth

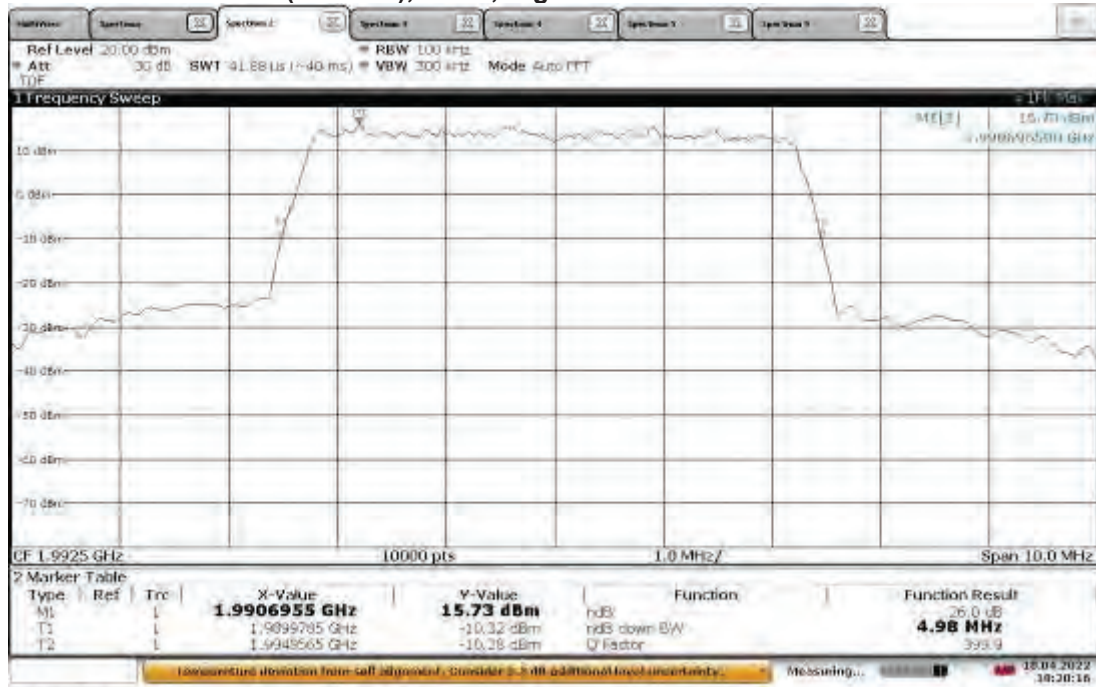


TM1.1-QPSK_5 MHz Bandwidth (4G LTE)

Slot 0 (Band 25), ANT0, Mid Channel 26 dB Bandwidth

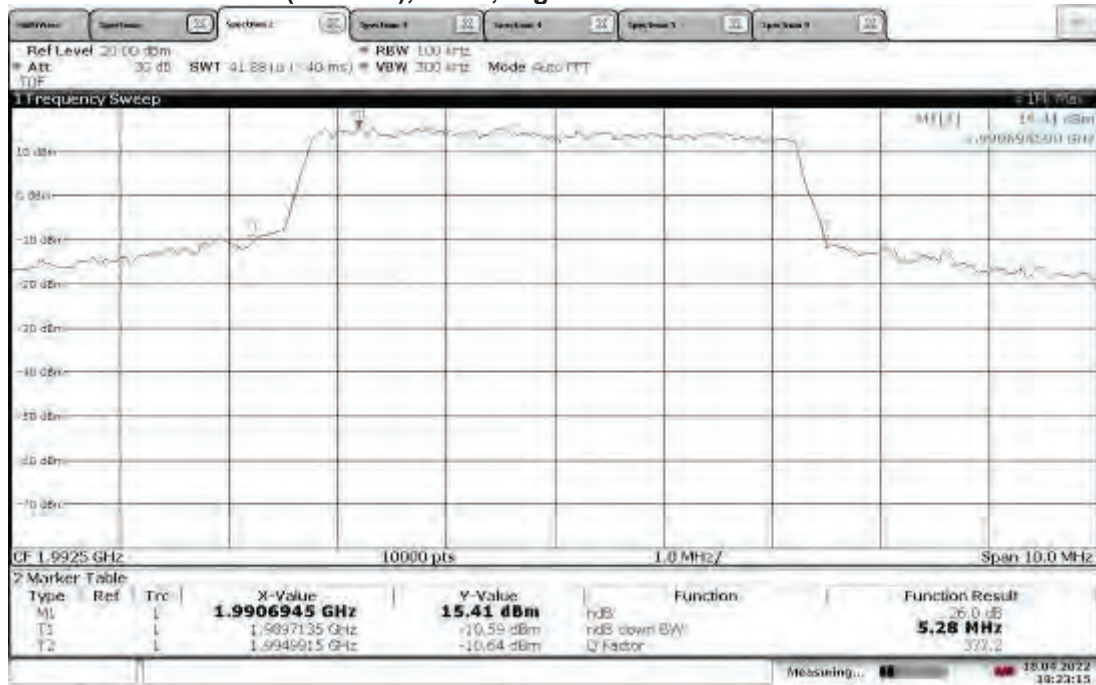
TM1.1-QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel 26 dB Bandwidth

TM1.1-QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel 26 dB Bandwidth



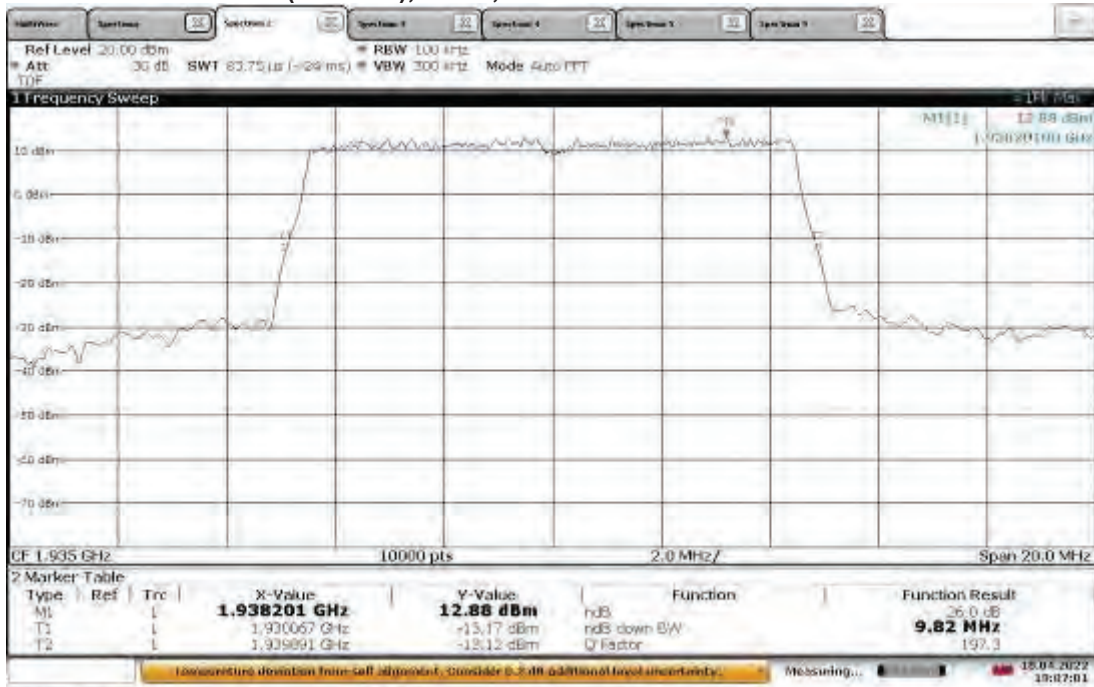
18:20:16 18.04.2022

TM1.1-QPSK_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel 26 dB Bandwidth



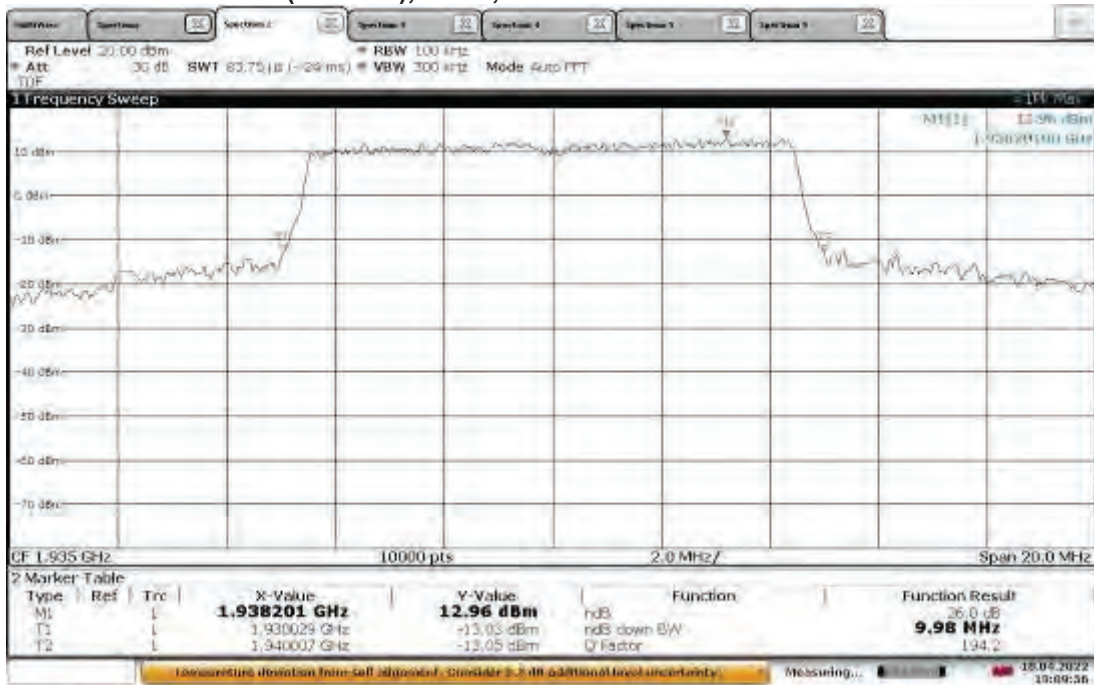
18:23:15 18.04.2022

TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel 26 dB Bandwidth



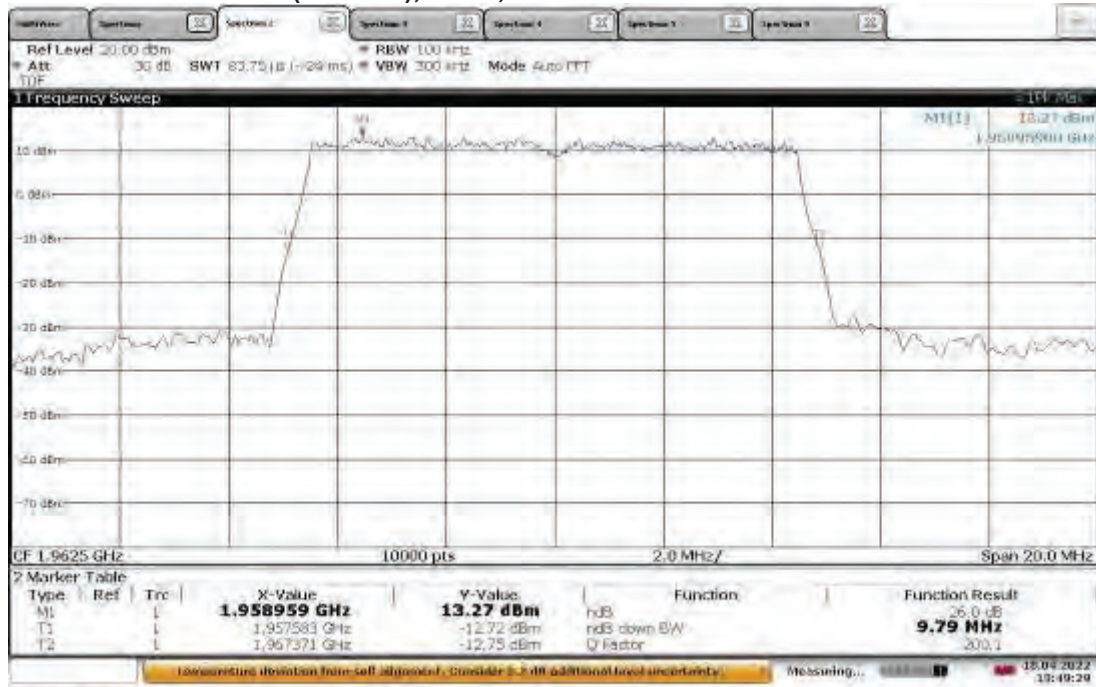
19:07:03 18.04.2022

TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel 26 dB Bandwidth



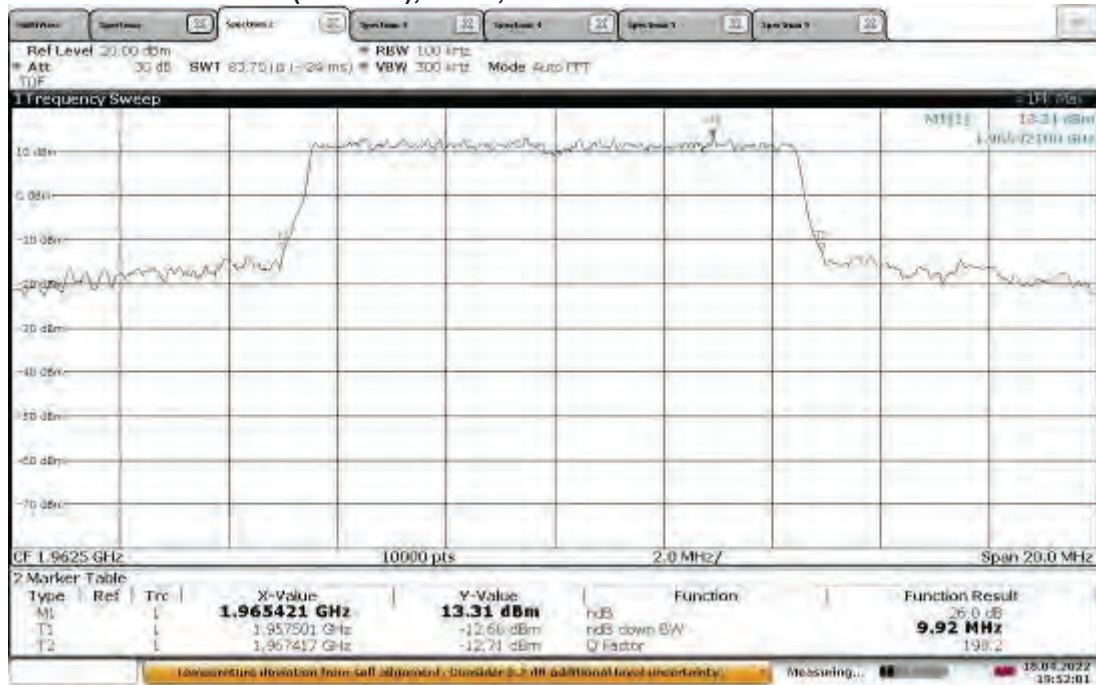
19:09:57 18.04.2022

TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel 26 dB Bandwidth



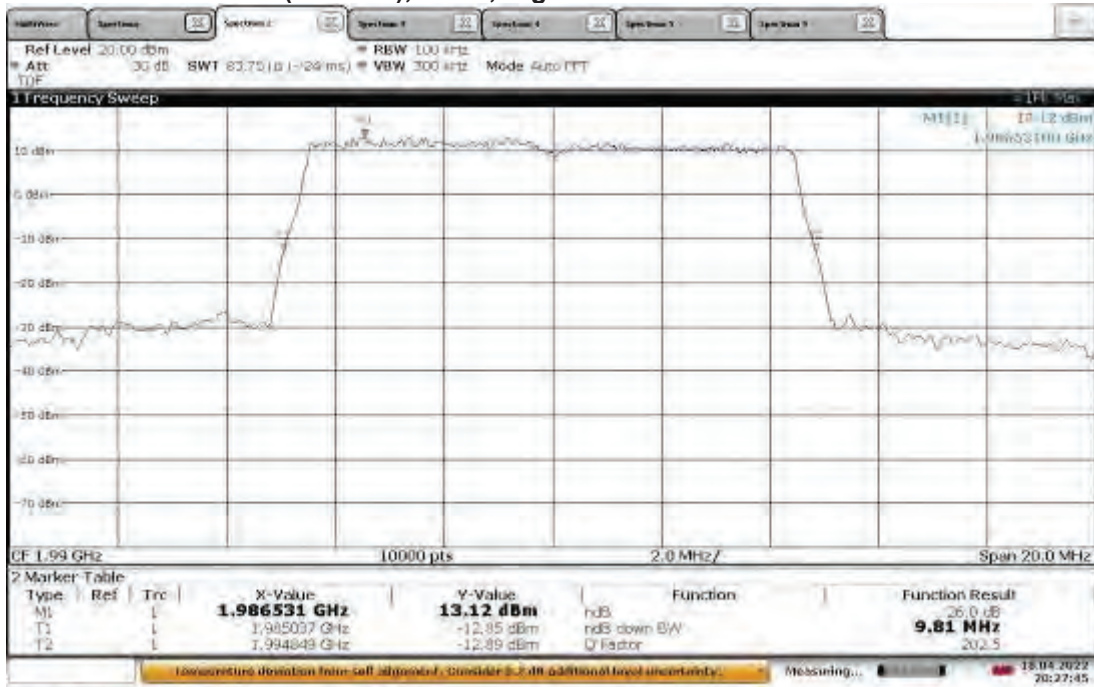
19:49:30 18.04.2022

TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel 26 dB Bandwidth



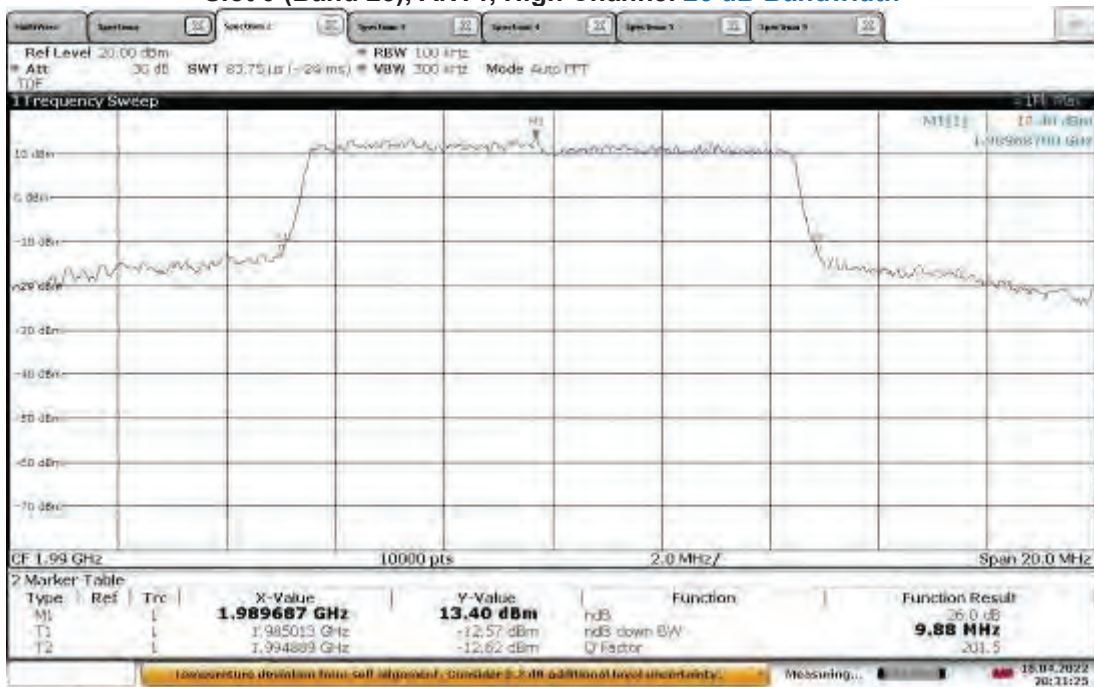
19:52:02 18.04.2022

TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel 26 dB Bandwidth



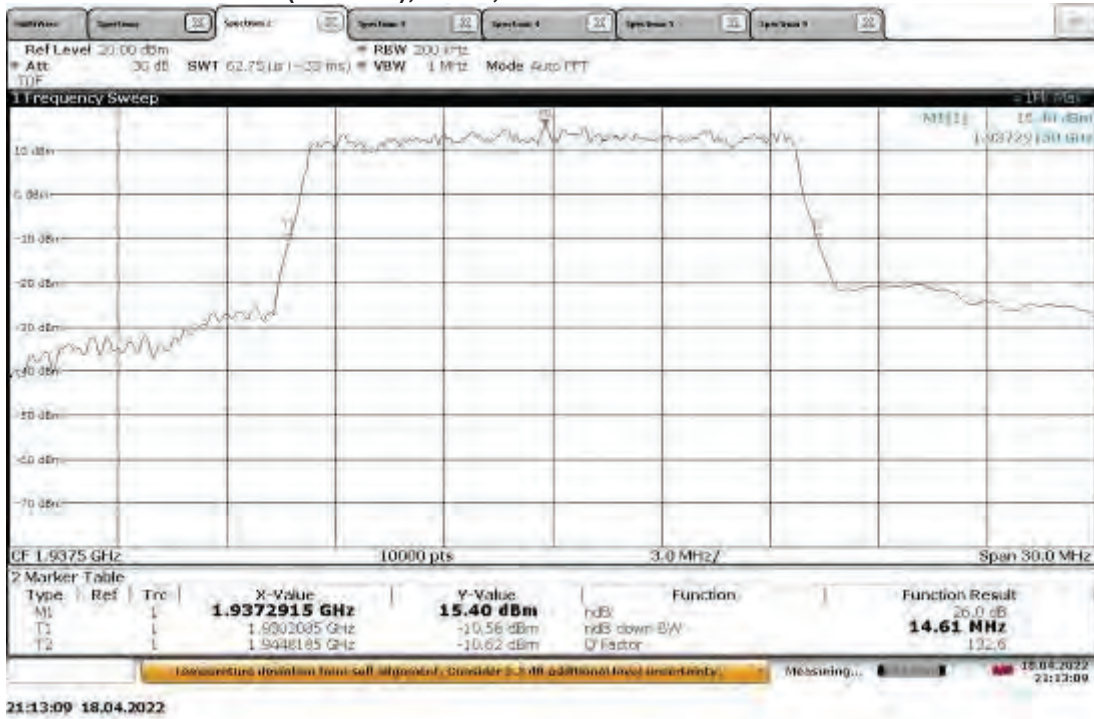
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TM1.1-QPSK_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel 26 dB Bandwidth

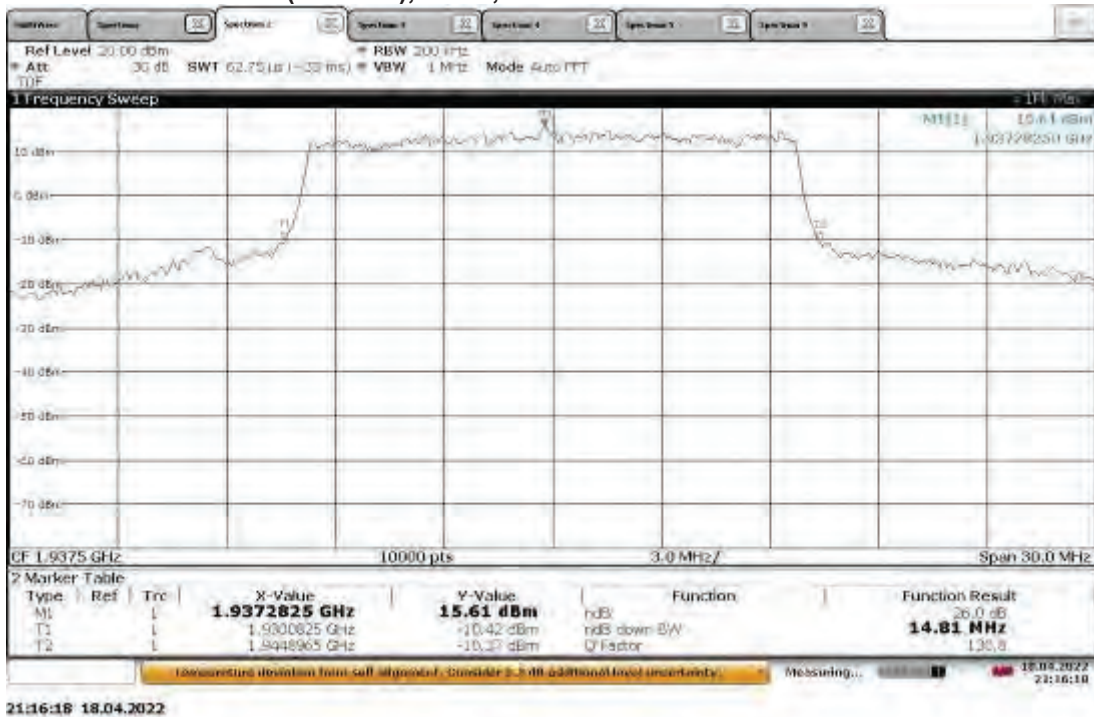


20:31:25 18.04.2022

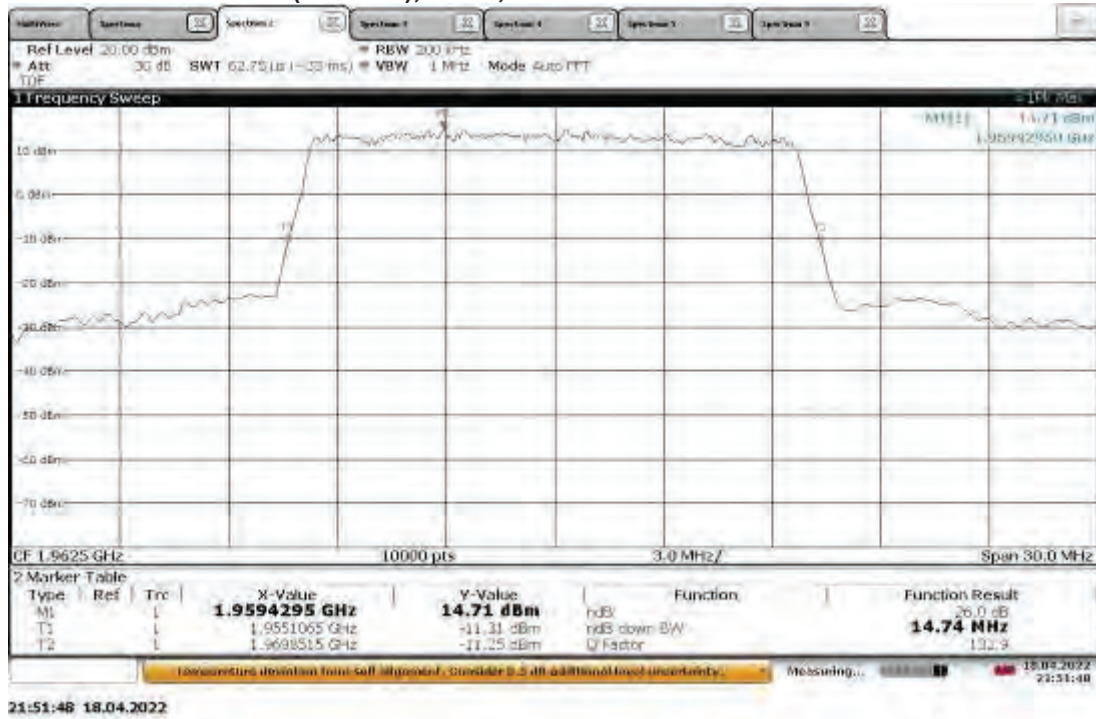
TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel 26 dB Bandwidth



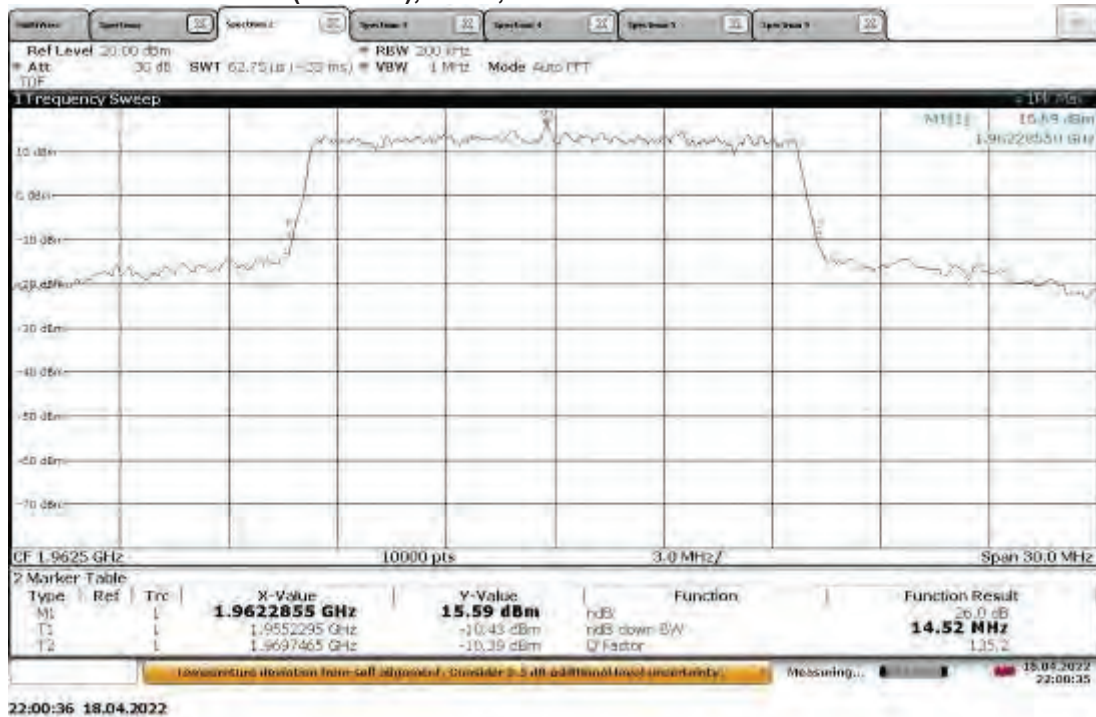
TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel 26 dB Bandwidth



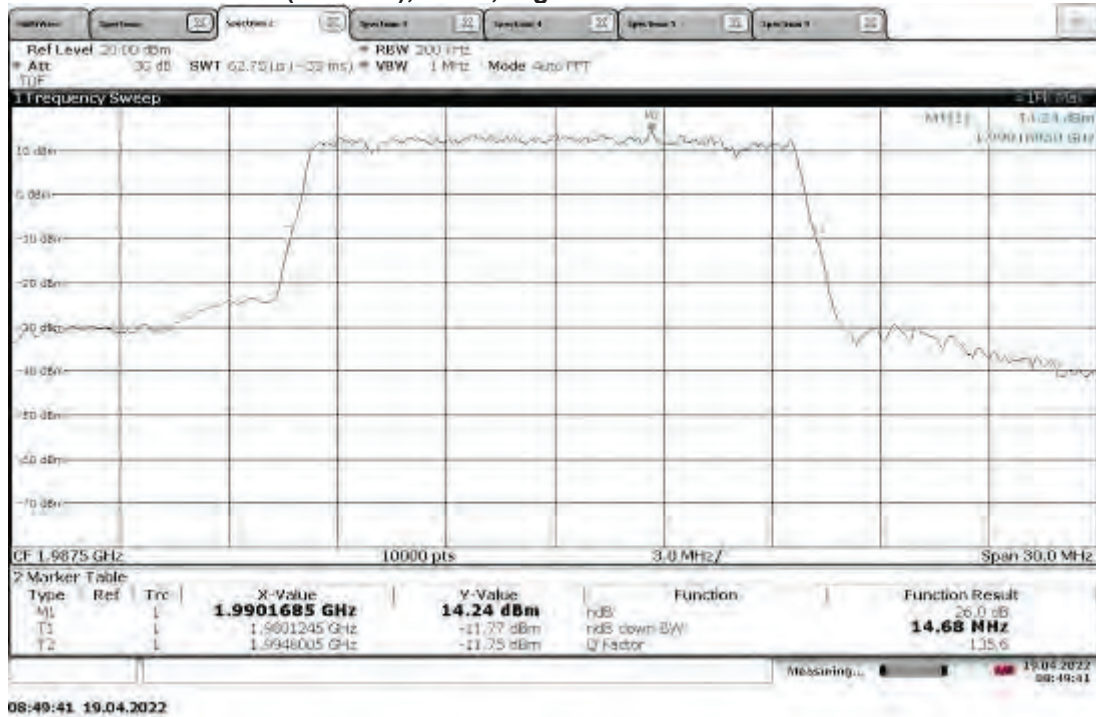
TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel 26 dB Bandwidth



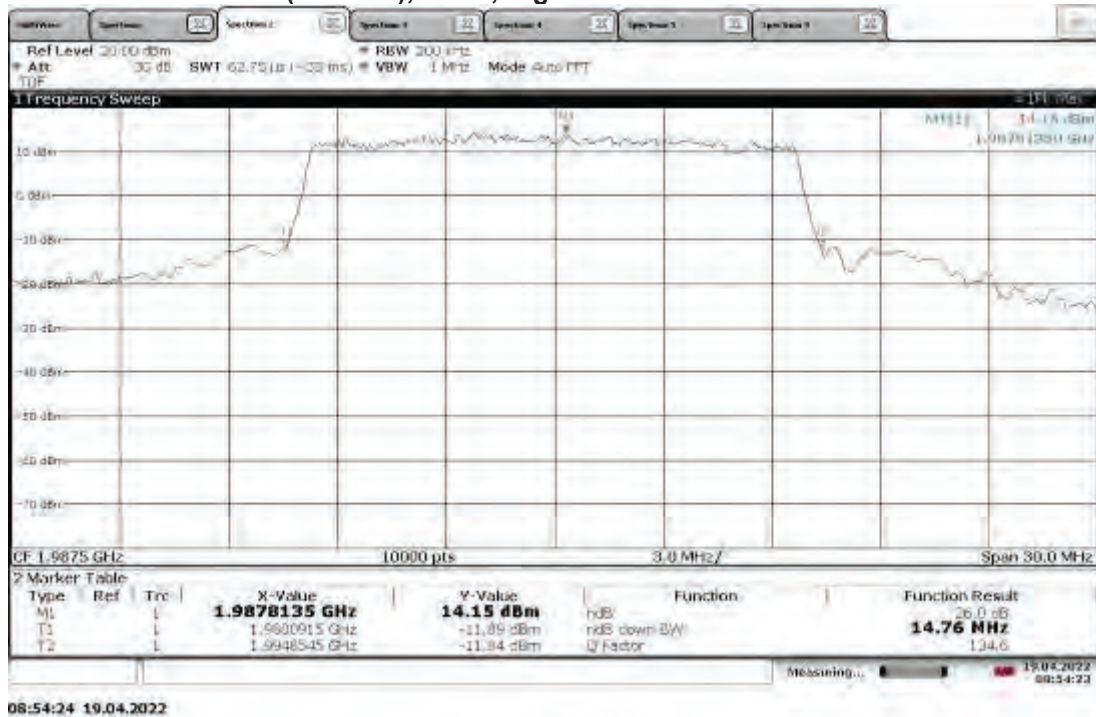
TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel 26 dB Bandwidth



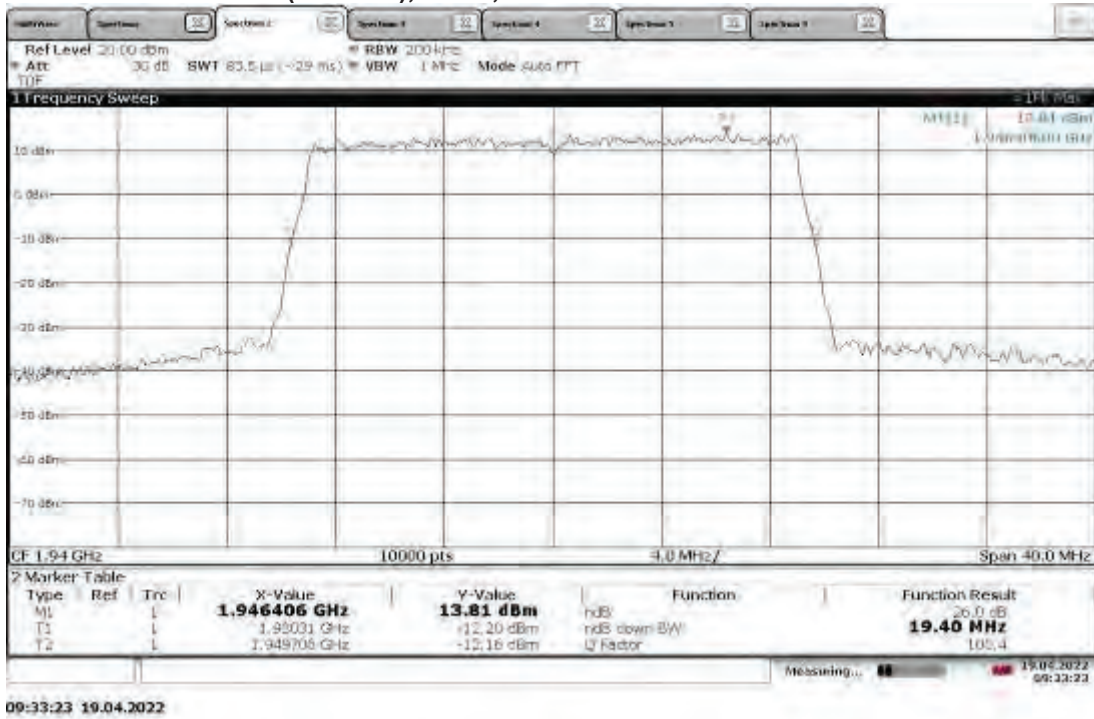
TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel 26 dB Bandwidth



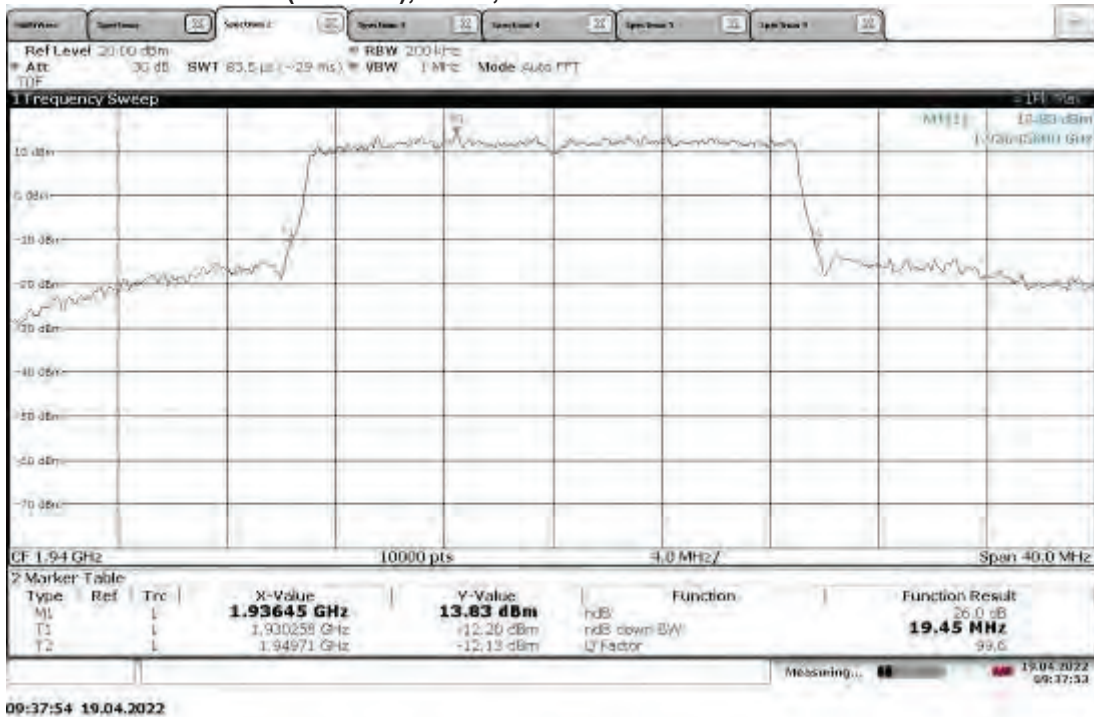
TM1.1-QPSK_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel 26 dB Bandwidth



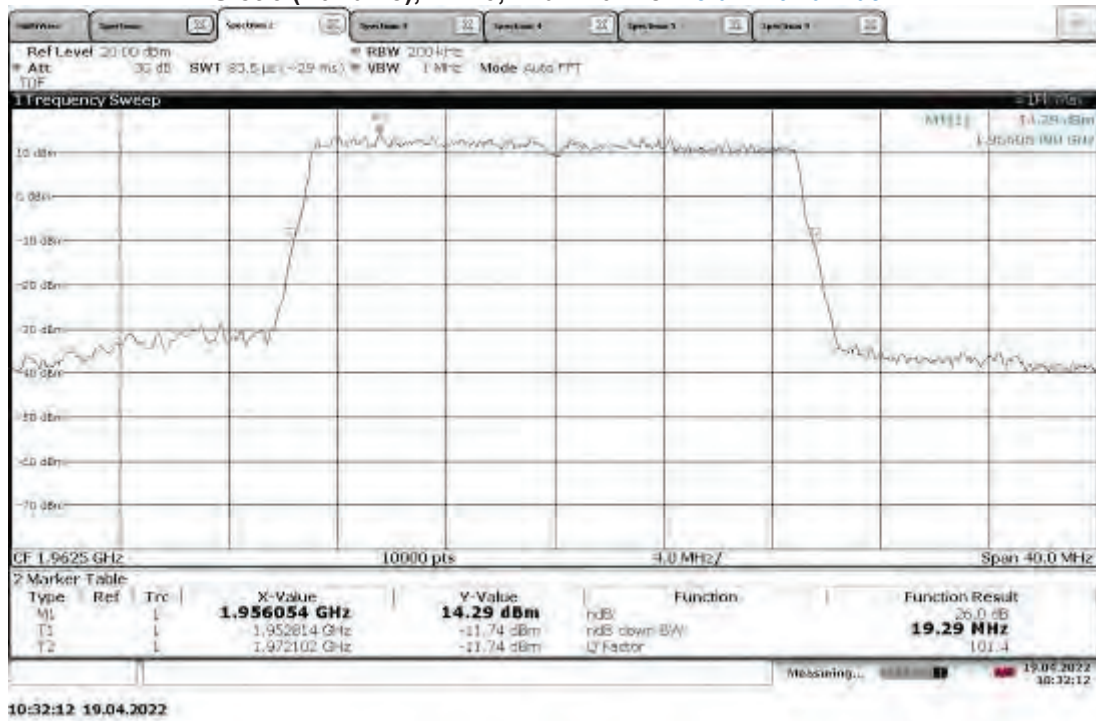
TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel 26 dB Bandwidth



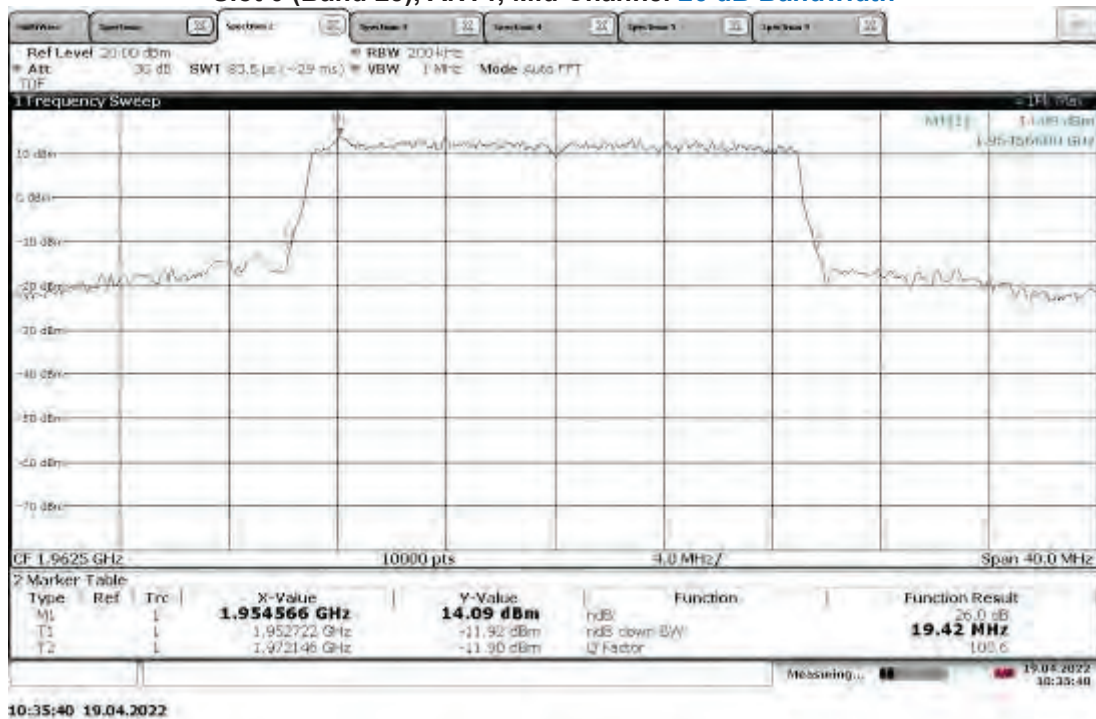
TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel 26 dB Bandwidth



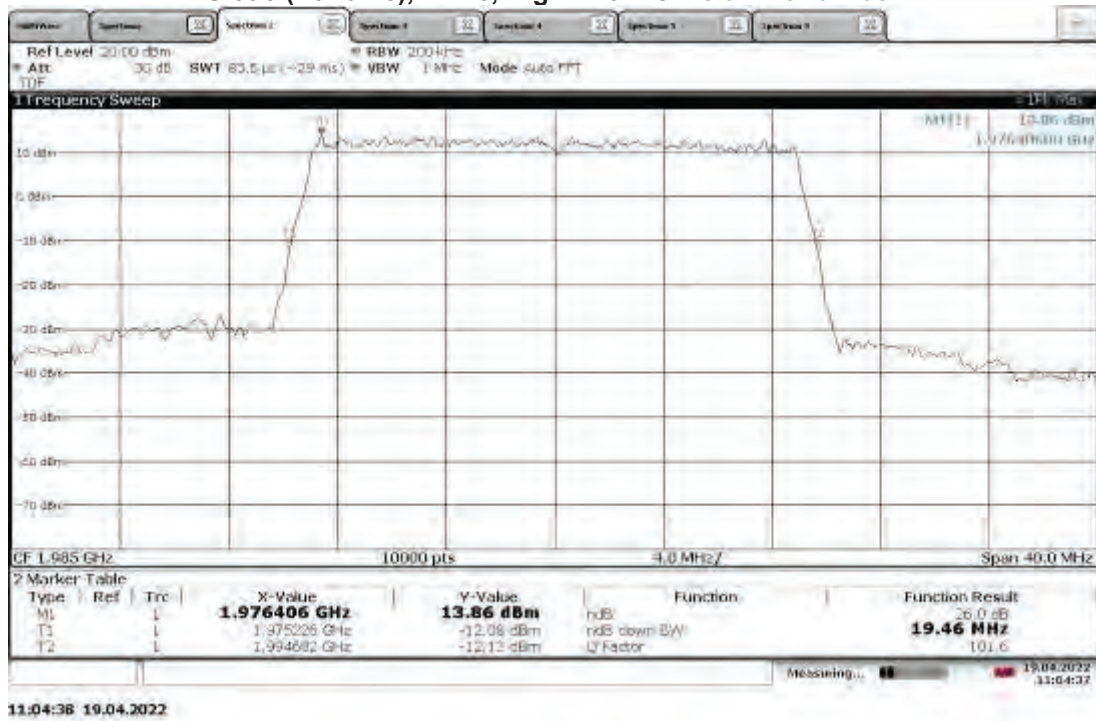
TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel 26 dB Bandwidth



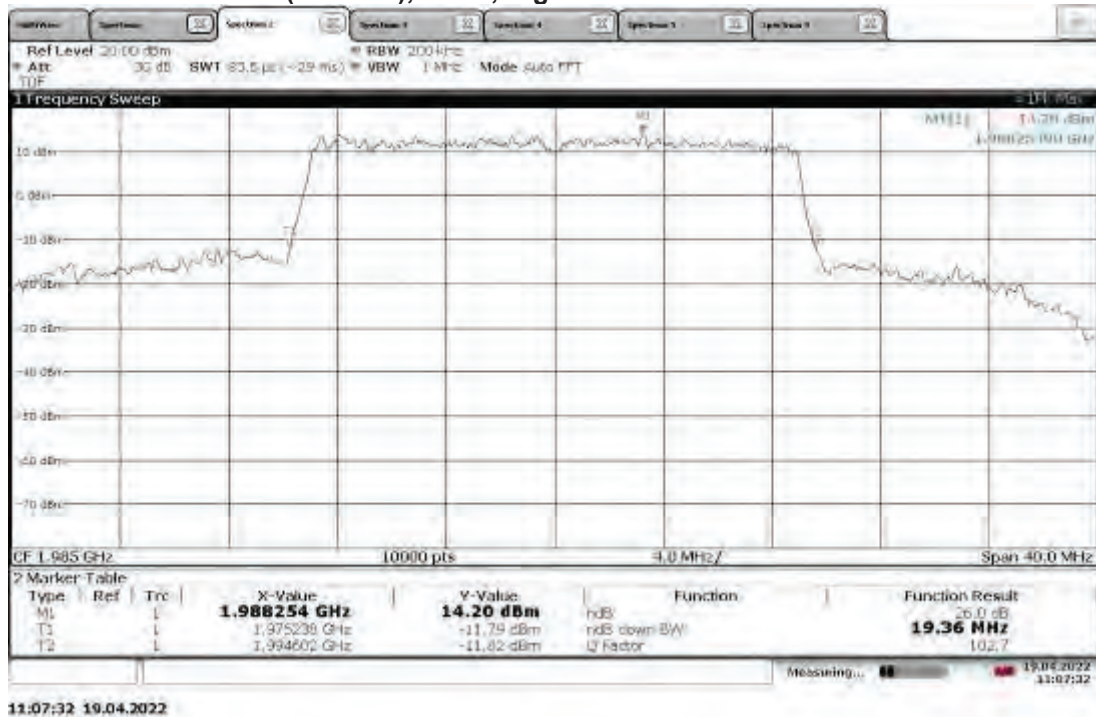
TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel 26 dB Bandwidth



TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel 26 dB Bandwidth

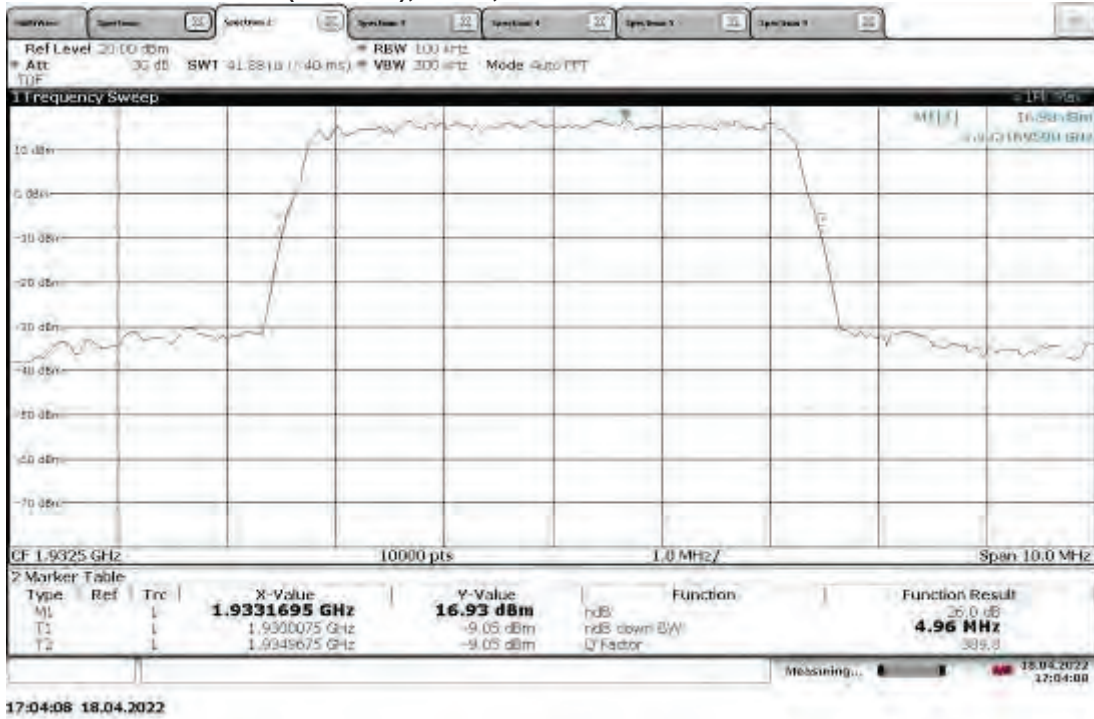


TM1.1-QPSK_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel 26 dB Bandwidth

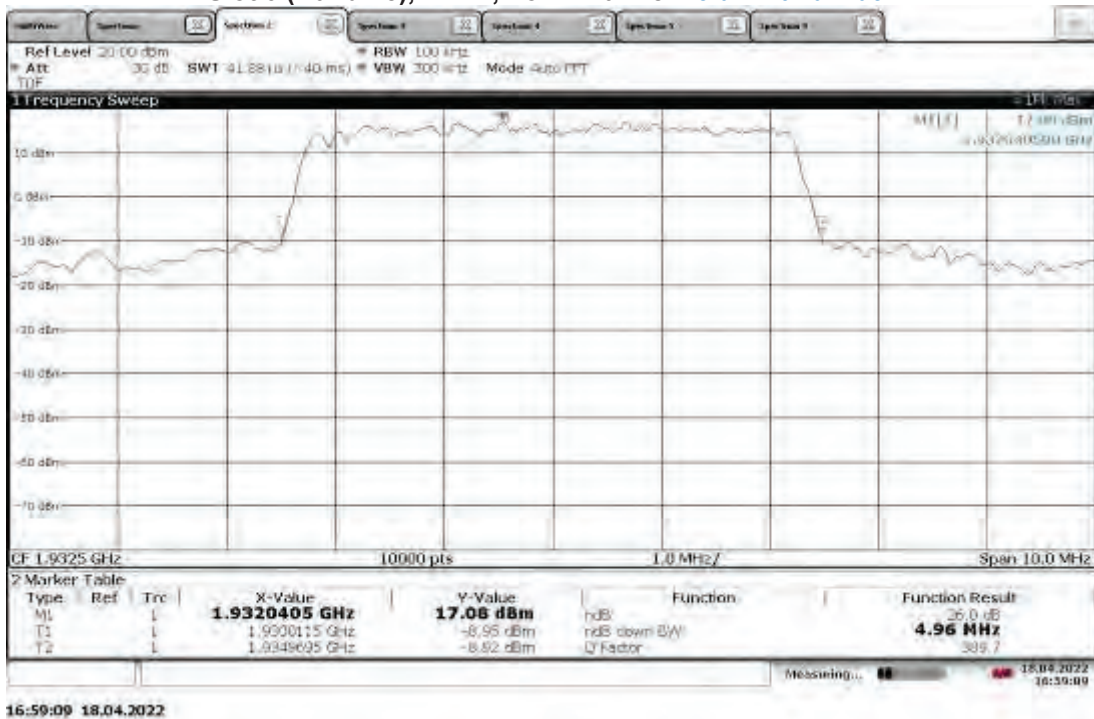


TM3.2-16QAM_5 MHz Bandwidth (4G LTE)

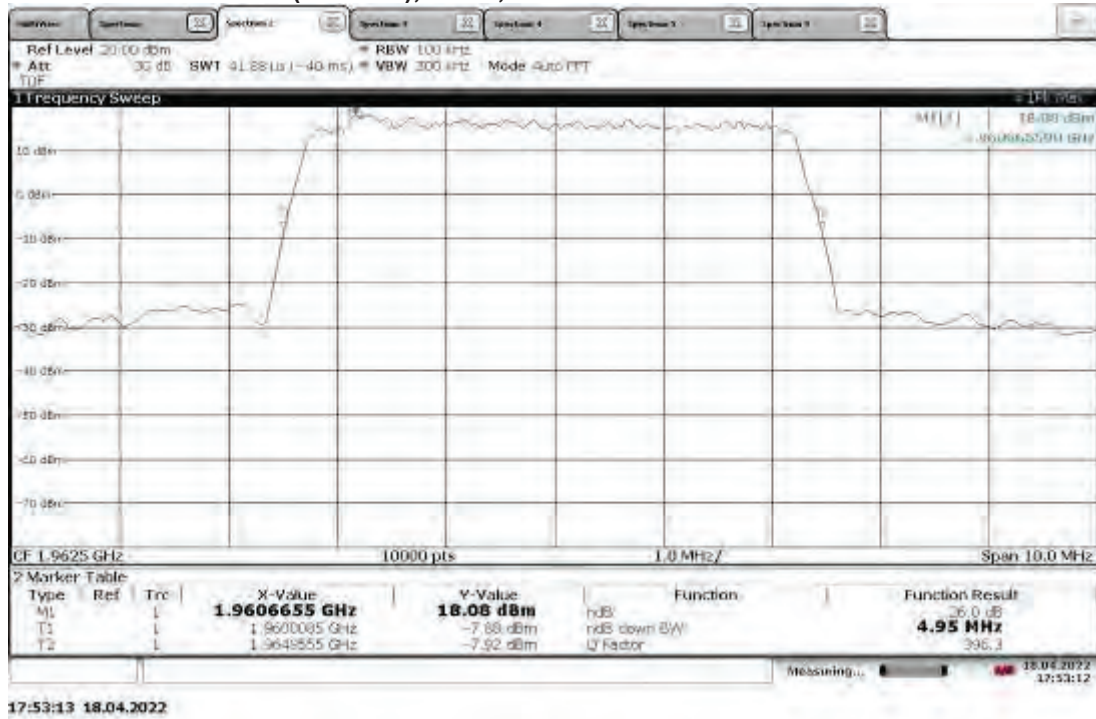
Slot 0 (Band 25), ANT0, Low Channel 26 dB Bandwidth



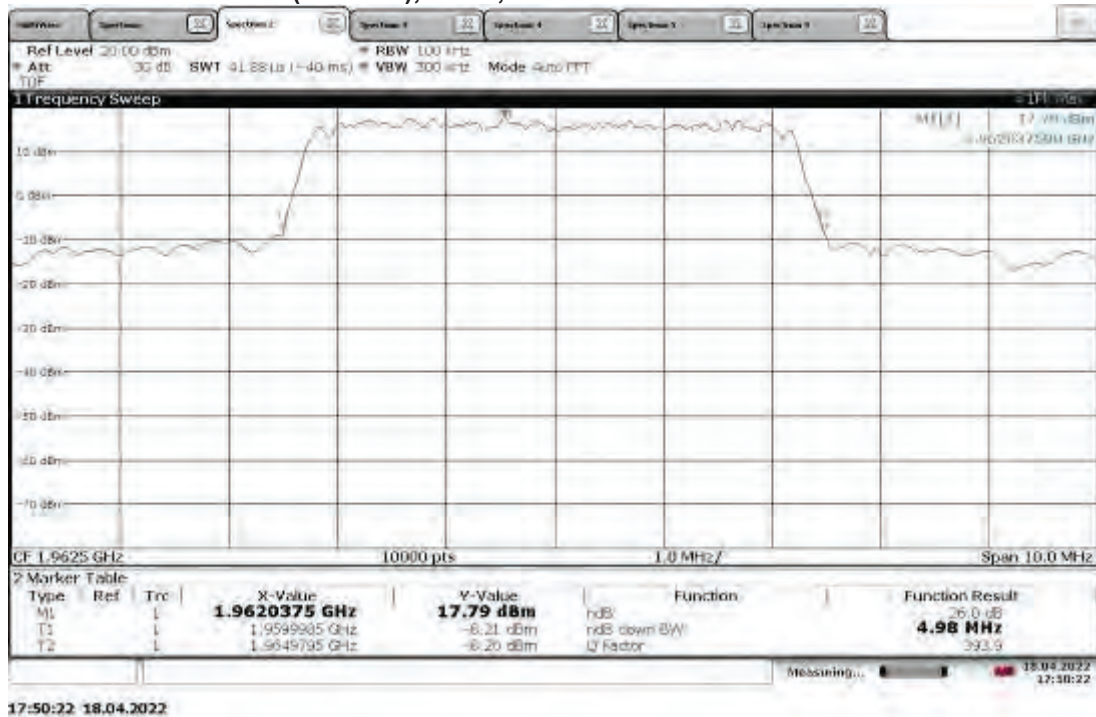
TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel 26 dB Bandwidth



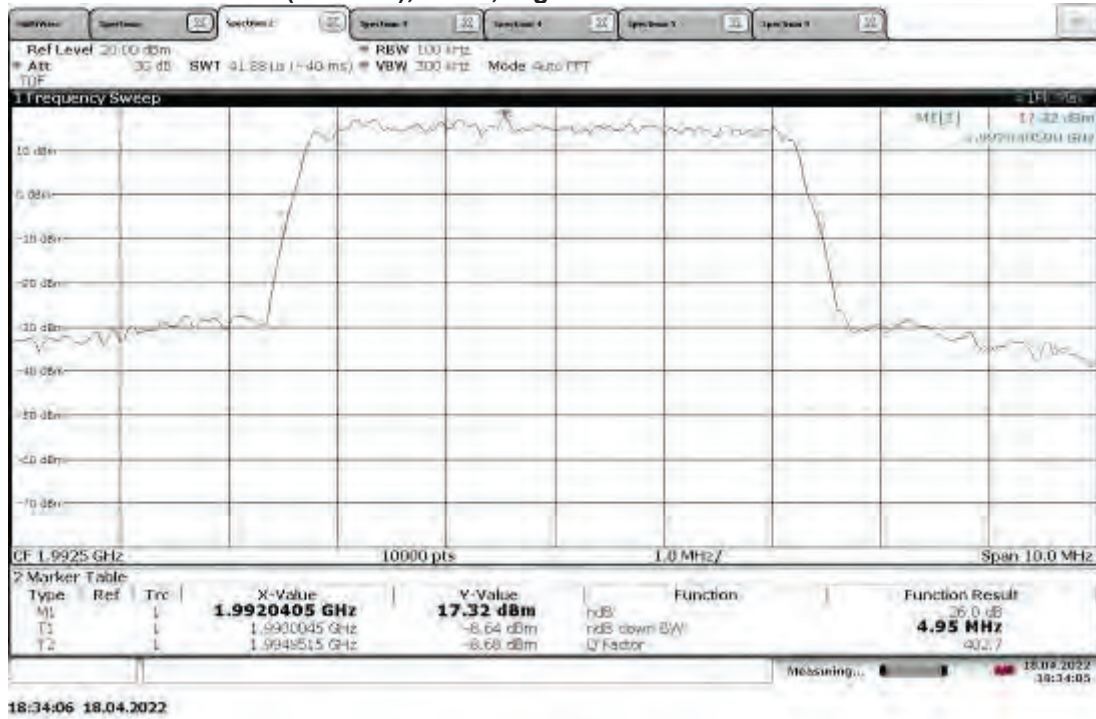
TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel 26 dB Bandwidth



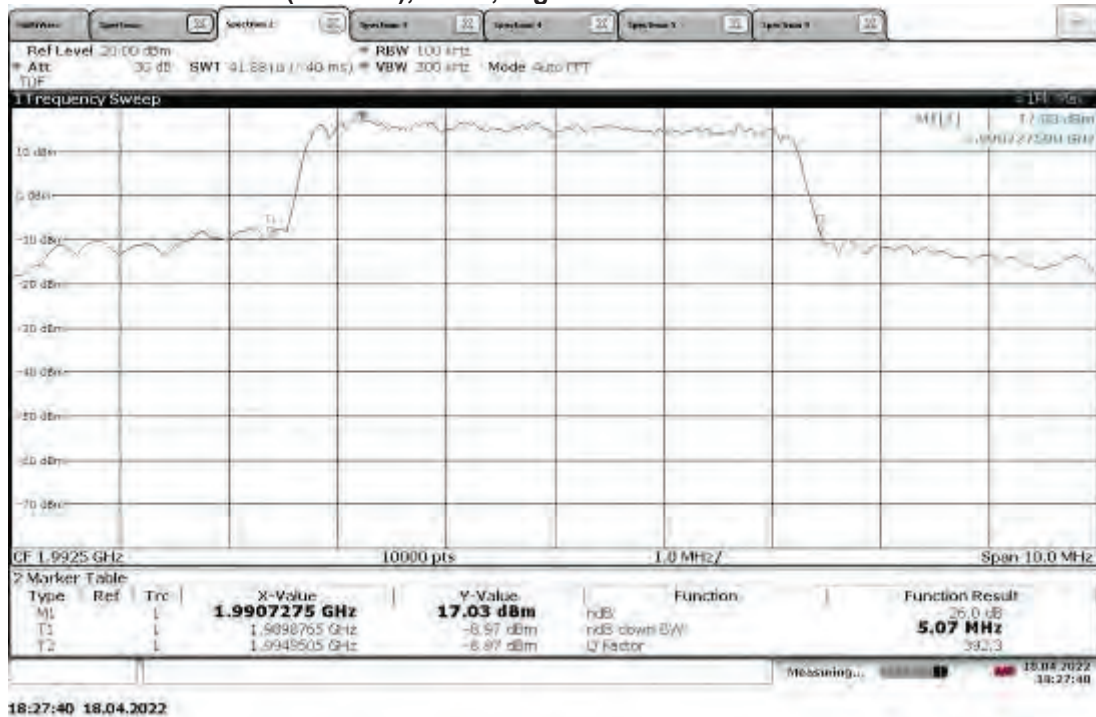
TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel 26 dB Bandwidth



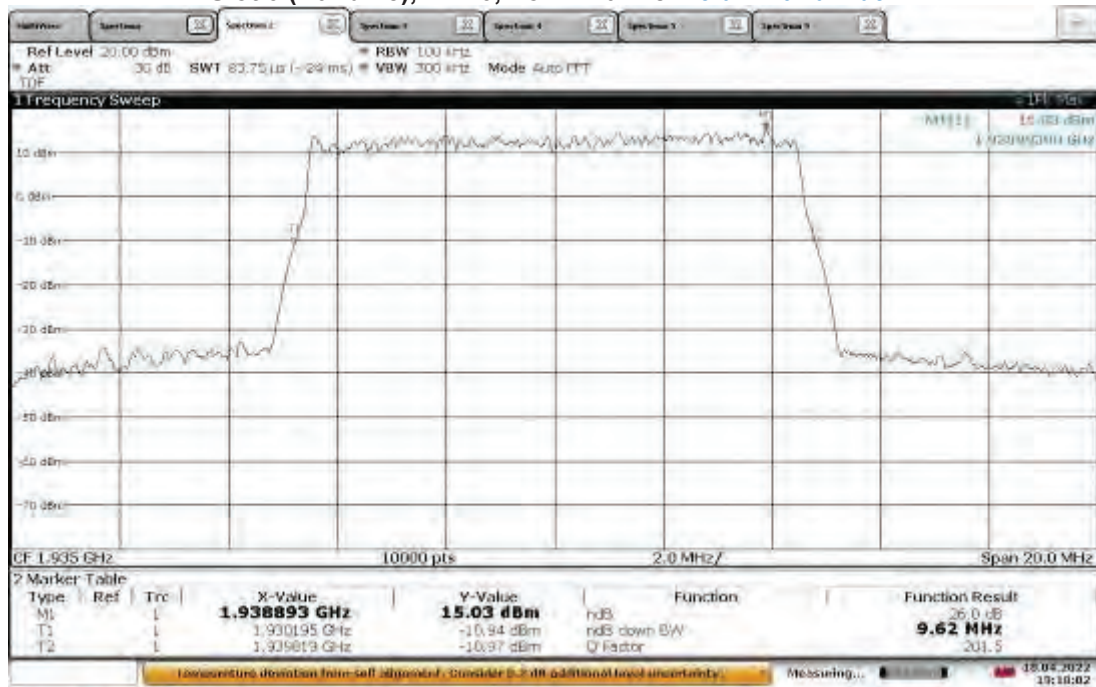
TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel 26 dB Bandwidth



TM3.2-16QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel 26 dB Bandwidth



TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel 26 dB Bandwidth



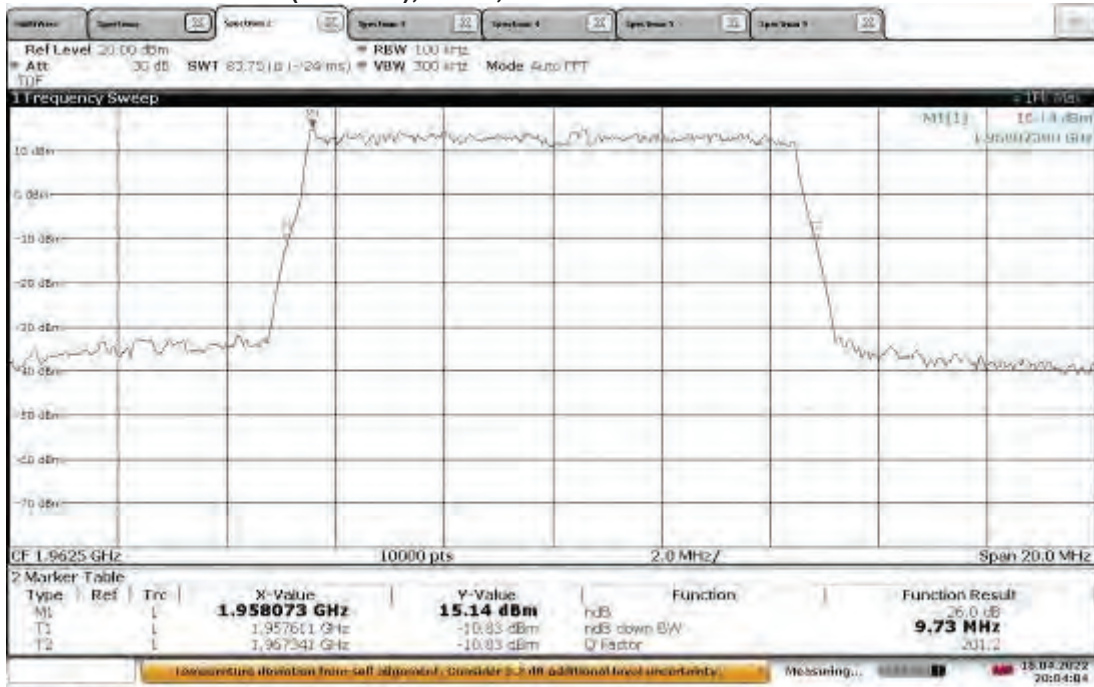
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TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel 26 dB Bandwidth



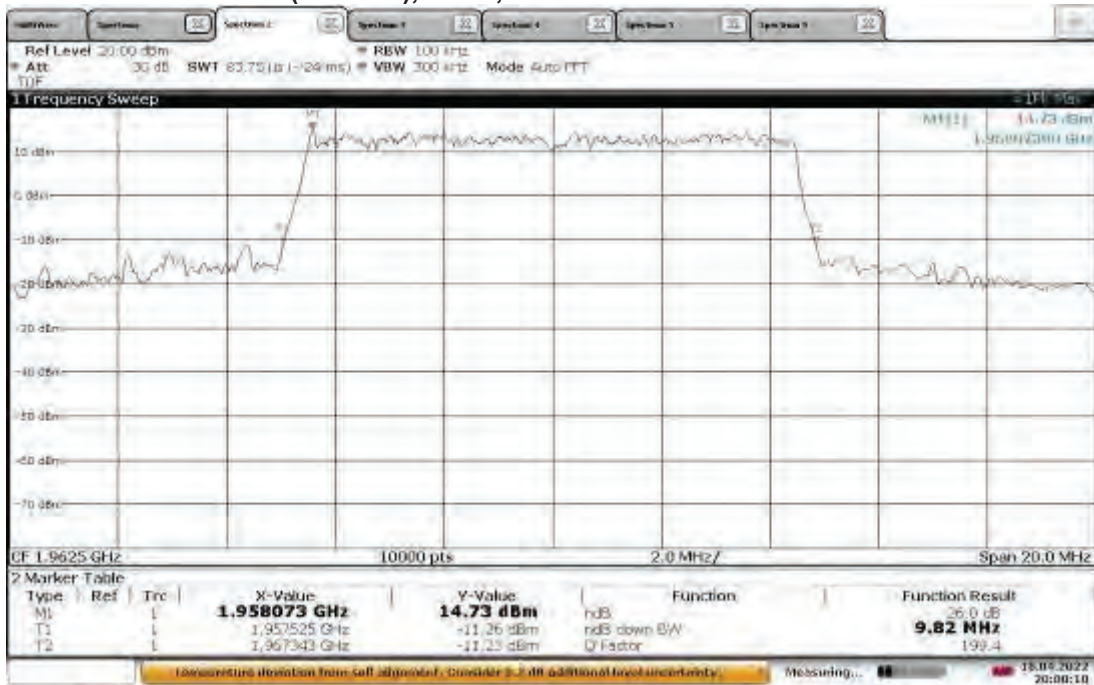
19:14:05 18.04.2022

TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel 26 dB Bandwidth



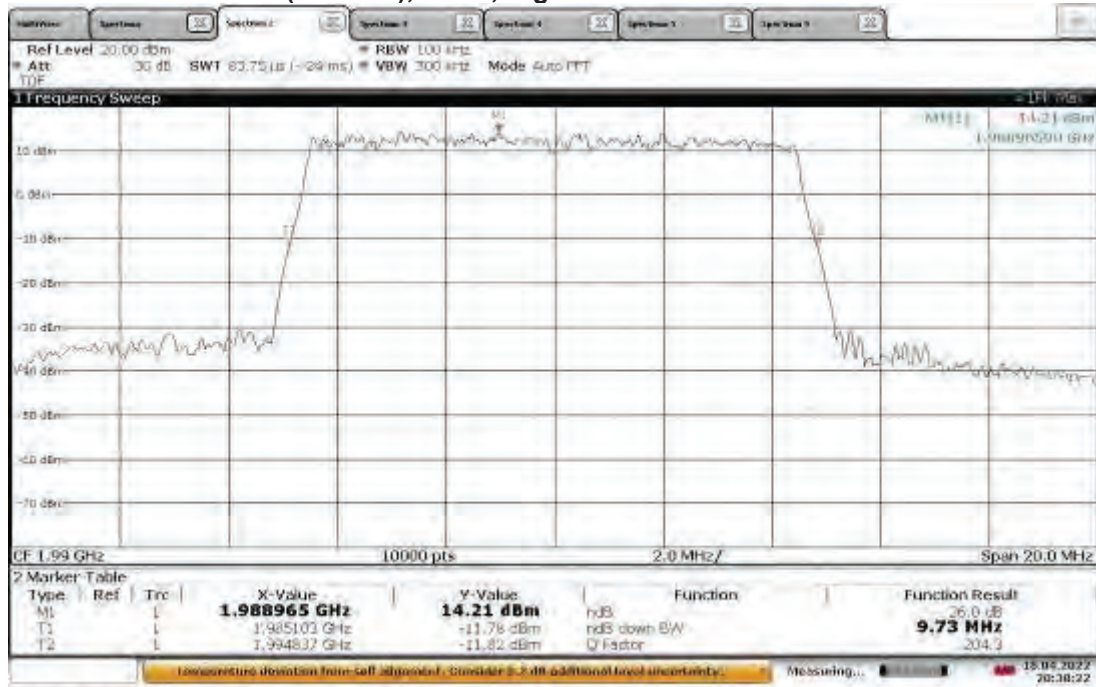
20:04:05 18.04.2022

TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel 26 dB Bandwidth



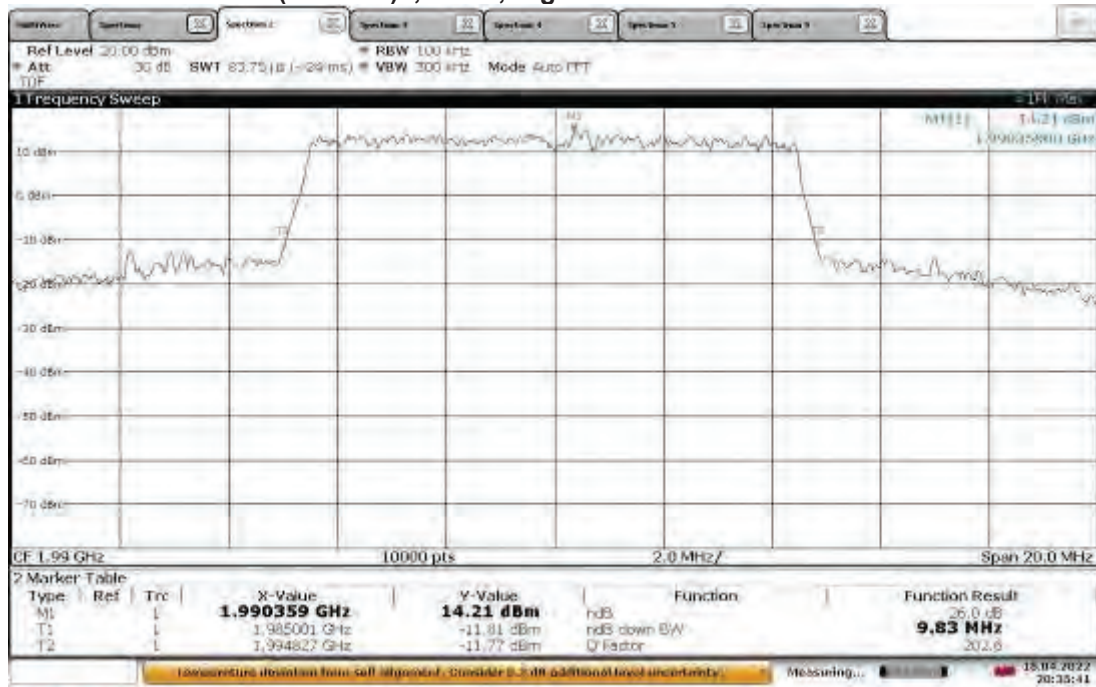
20:00:10 18.04.2022

TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel 26 dB Bandwidth



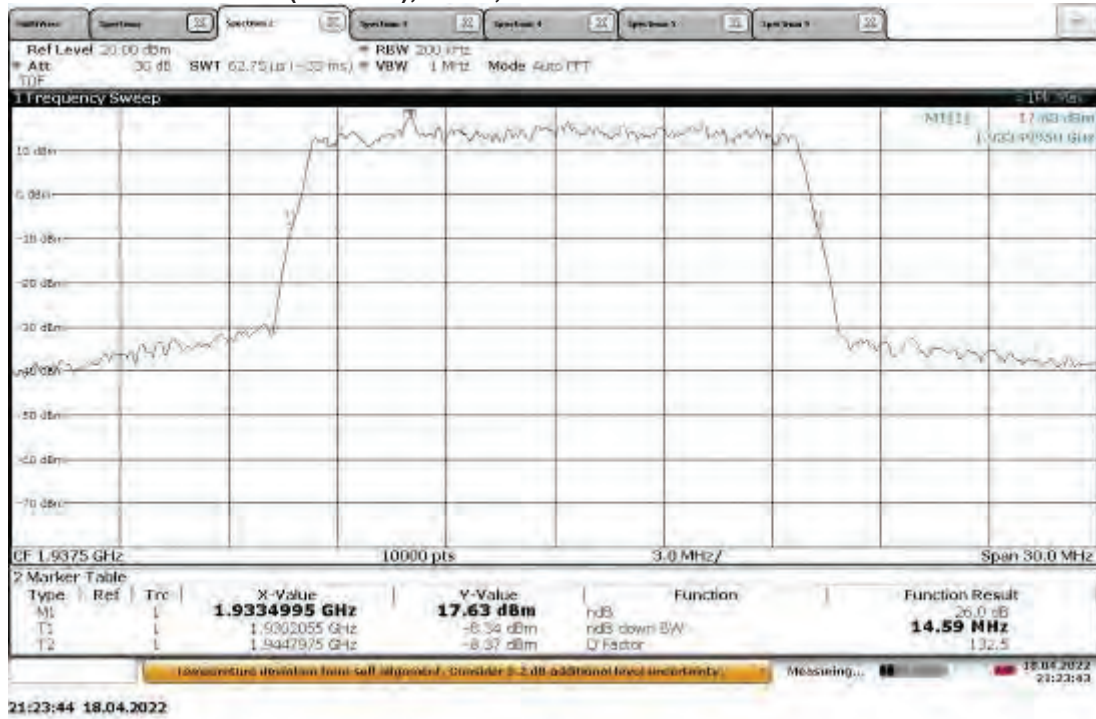
20:38:22 18.04.2022

TM3.2-16QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25)5, ANT1, High Channel 26 dB Bandwidth

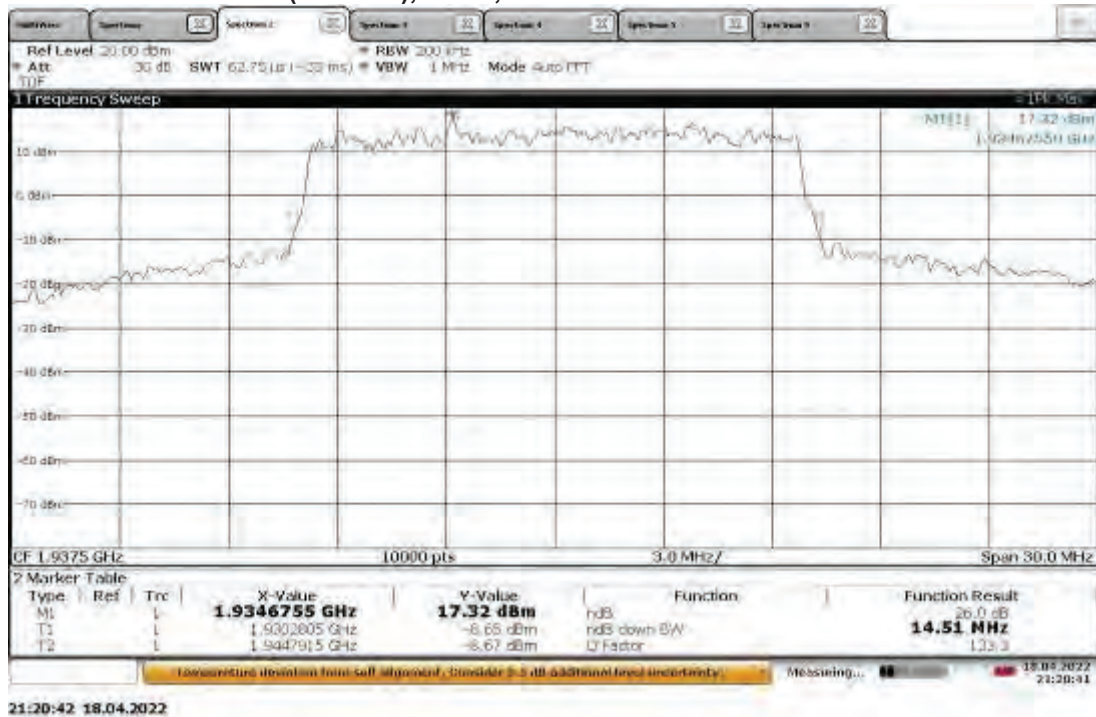


20:35:41 18.04.2022

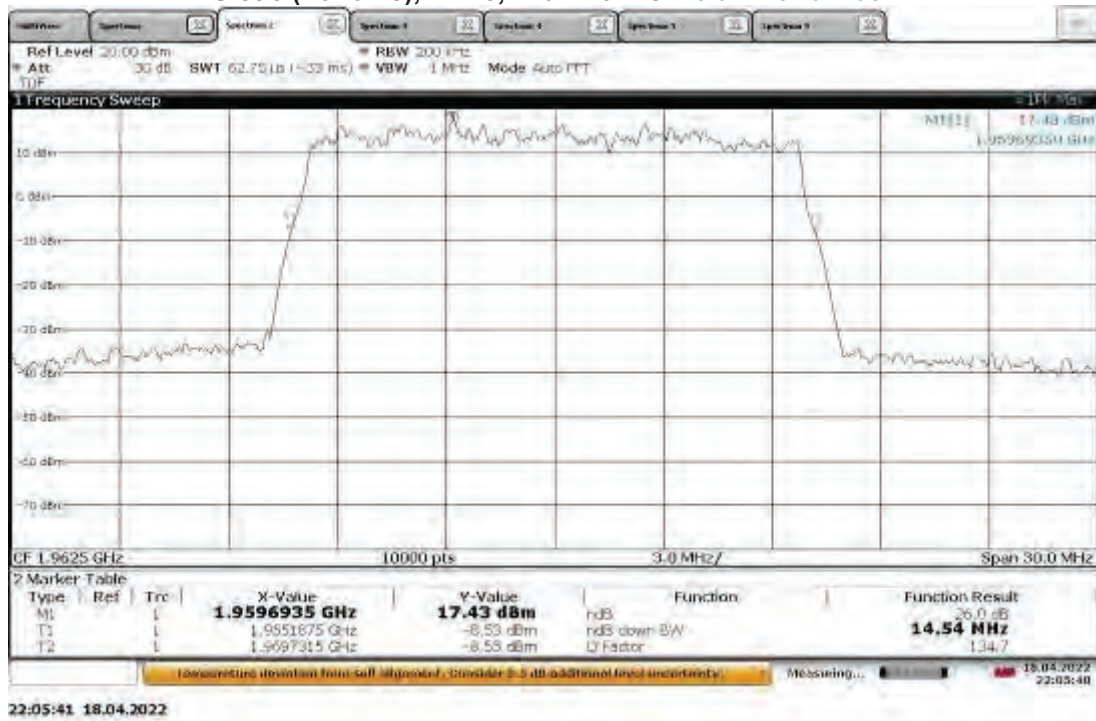
TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel 26 dB Bandwidth



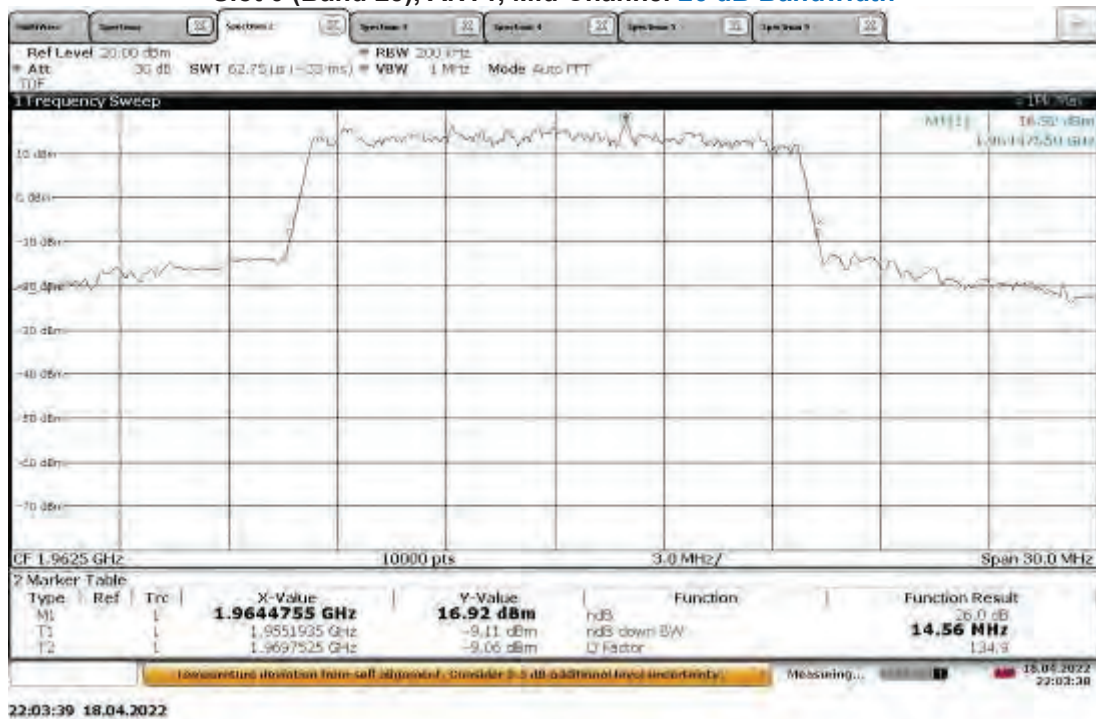
TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel 26 dB Bandwidth



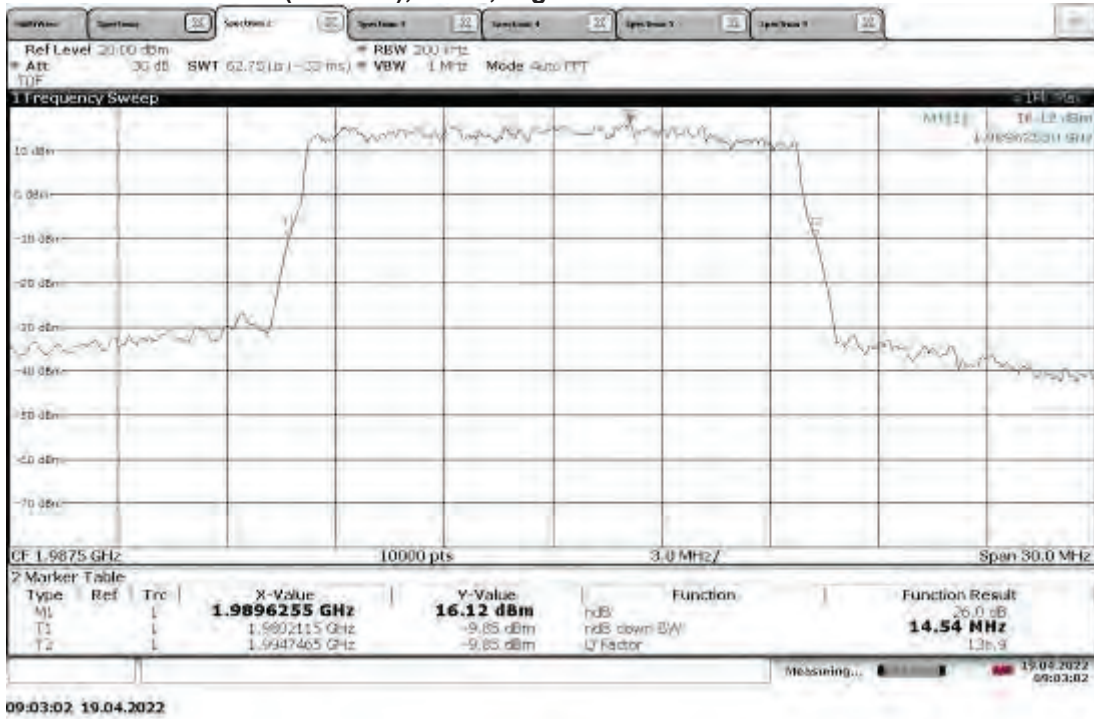
TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel 26 dB Bandwidth



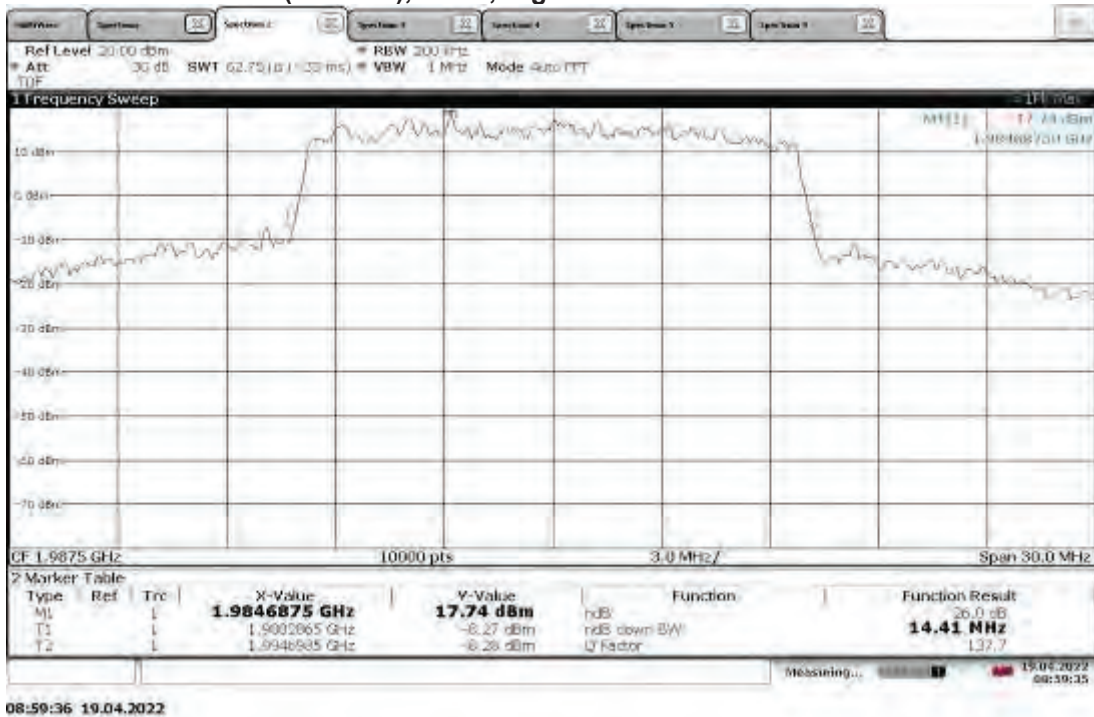
TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel 26 dB Bandwidth



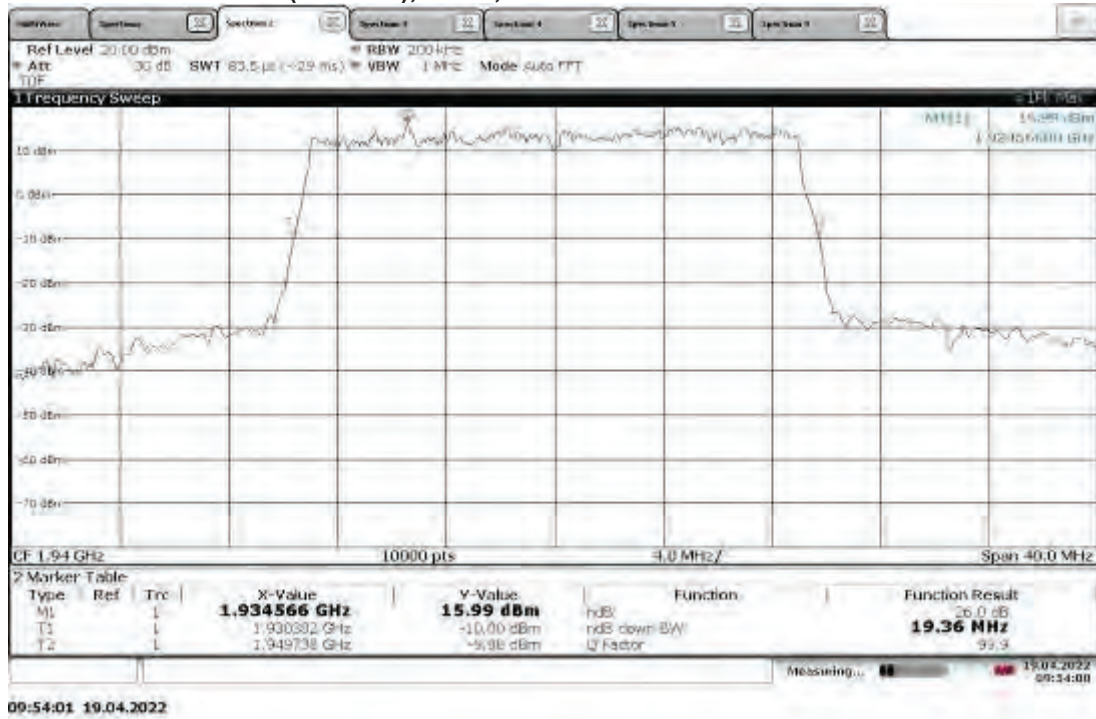
TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel 26 dB Bandwidth



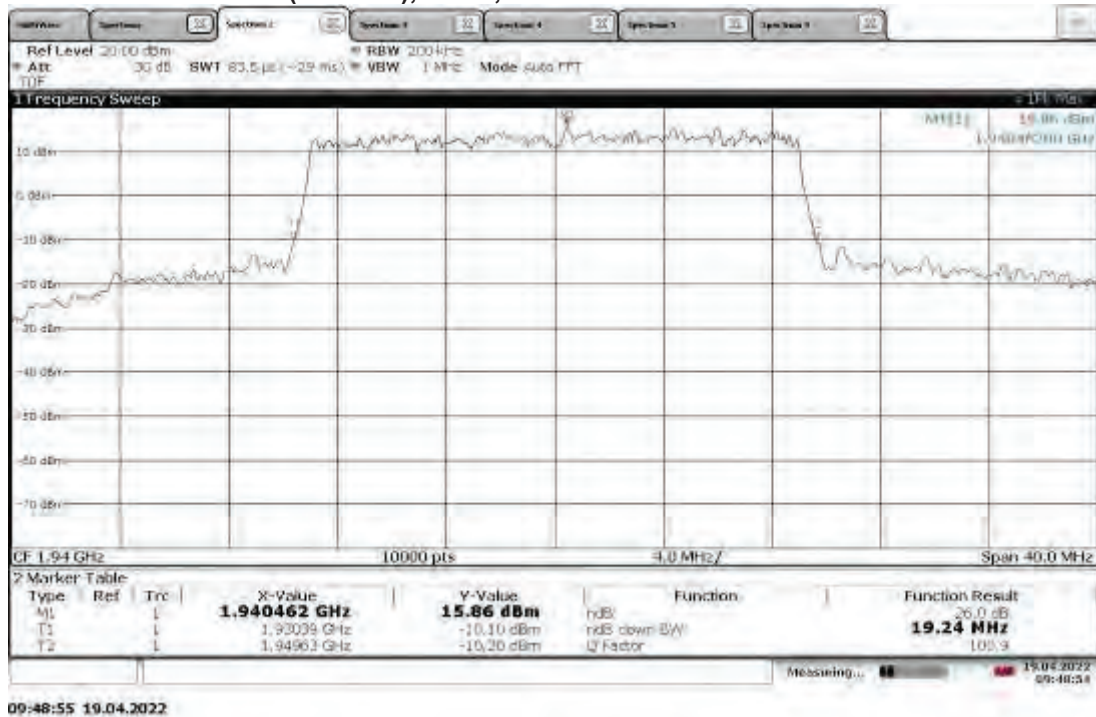
TM3.2-16QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel 26 dB Bandwidth



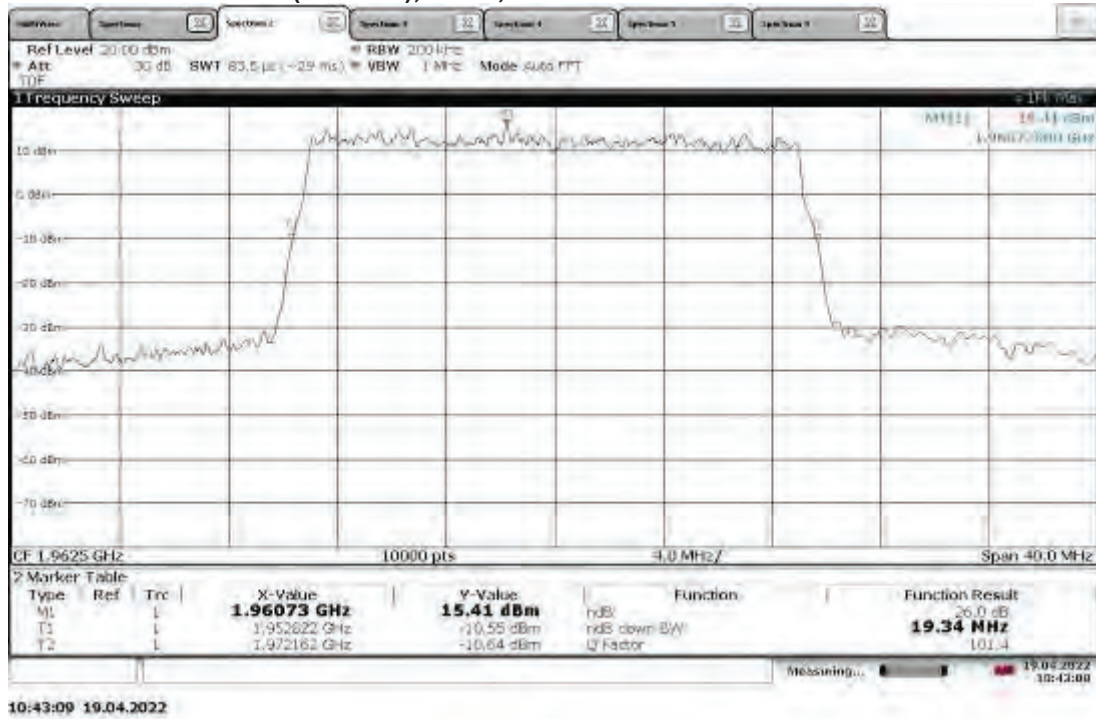
TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel 26 dB Bandwidth



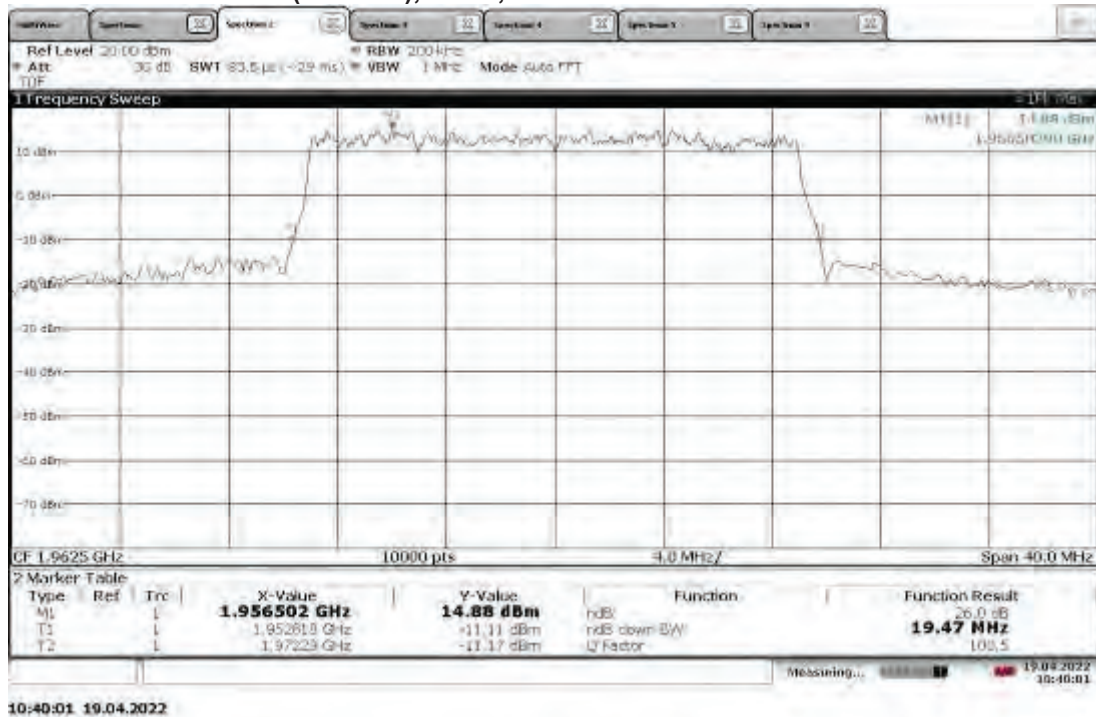
TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel 26 dB Bandwidth



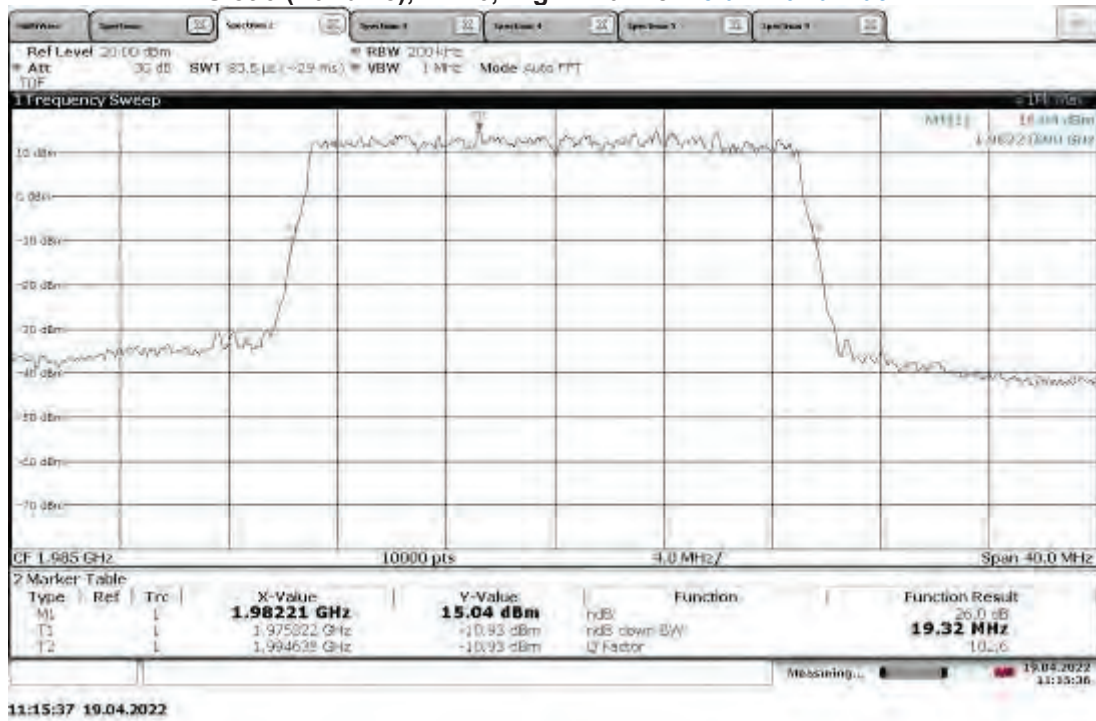
TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel 26 dB Bandwidth



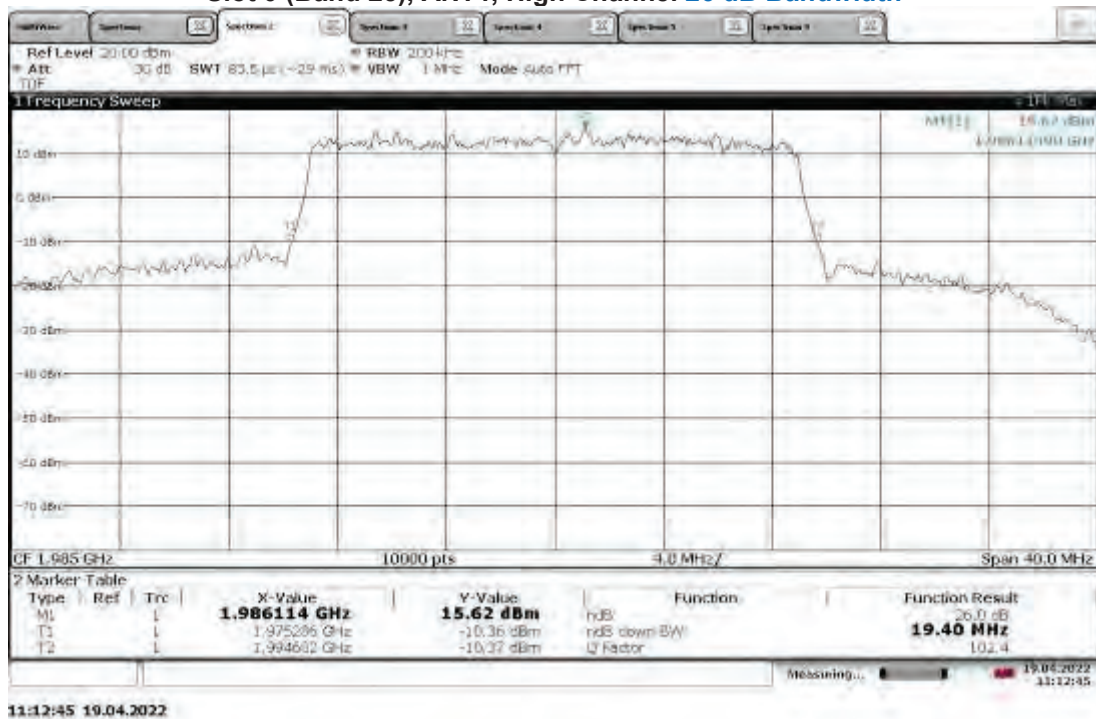
TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel 26 dB Bandwidth



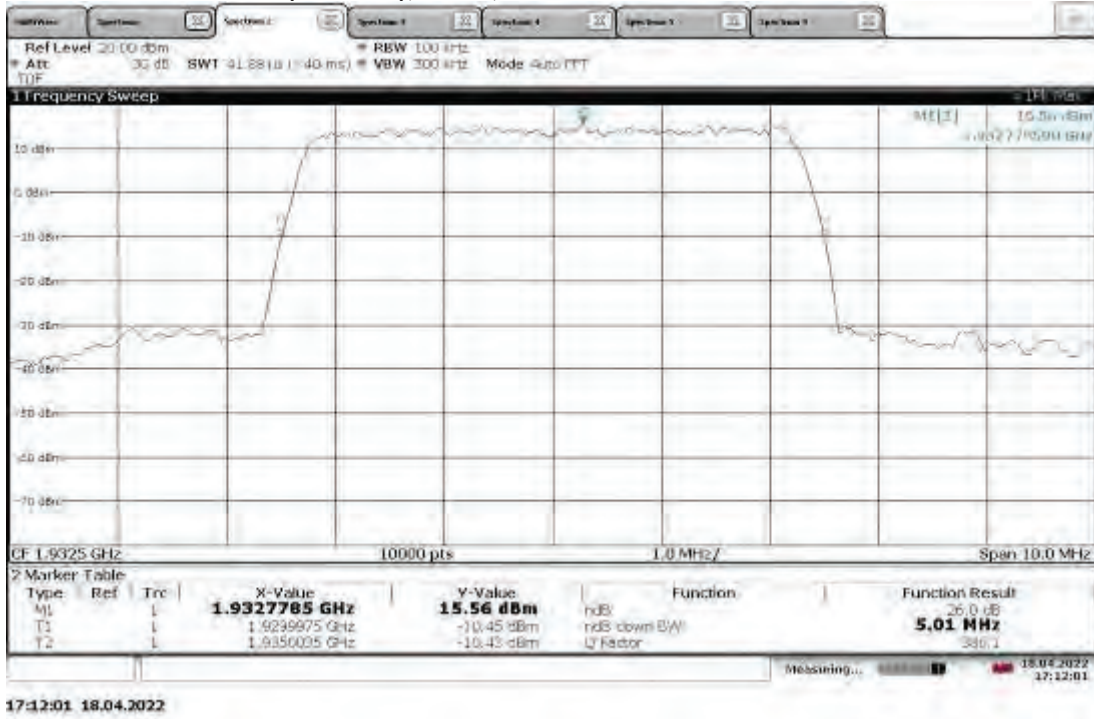
TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel 26 dB Bandwidth



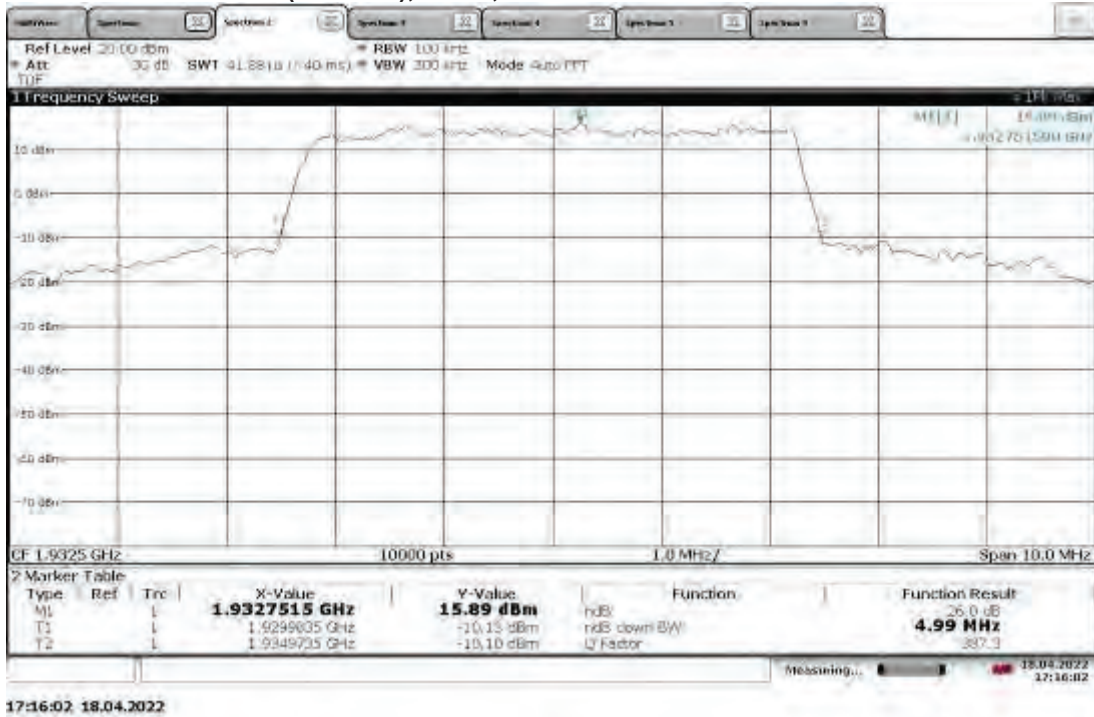
TM3.2-16QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel 26 dB Bandwidth



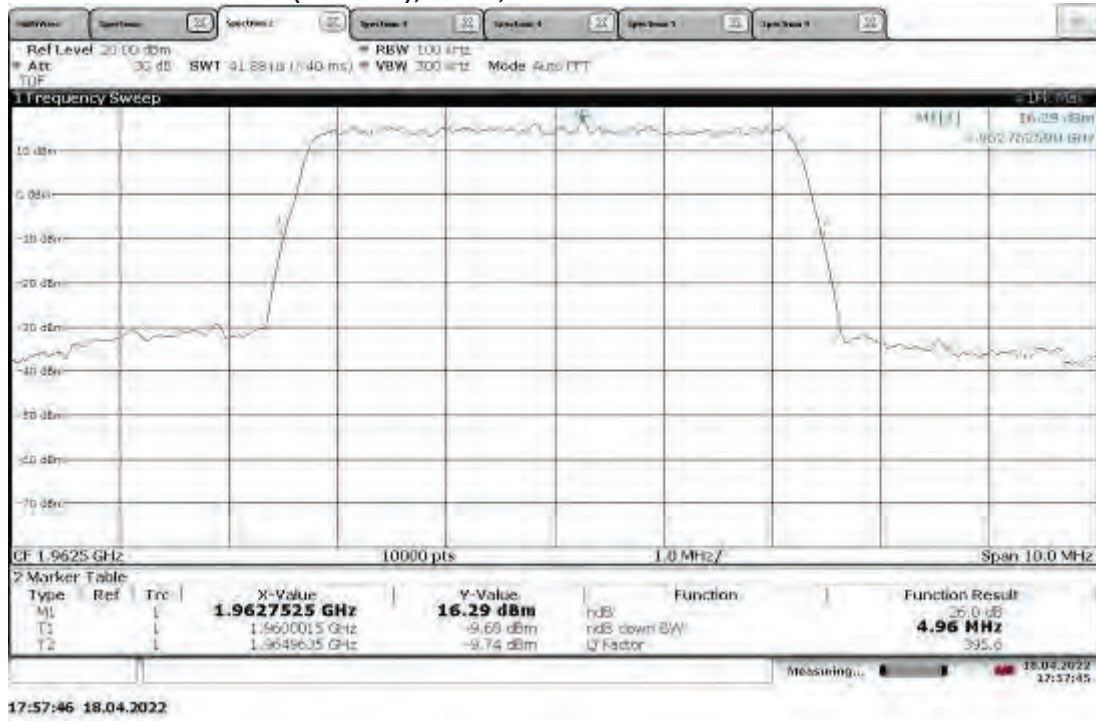
TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel 26 dB Bandwidth



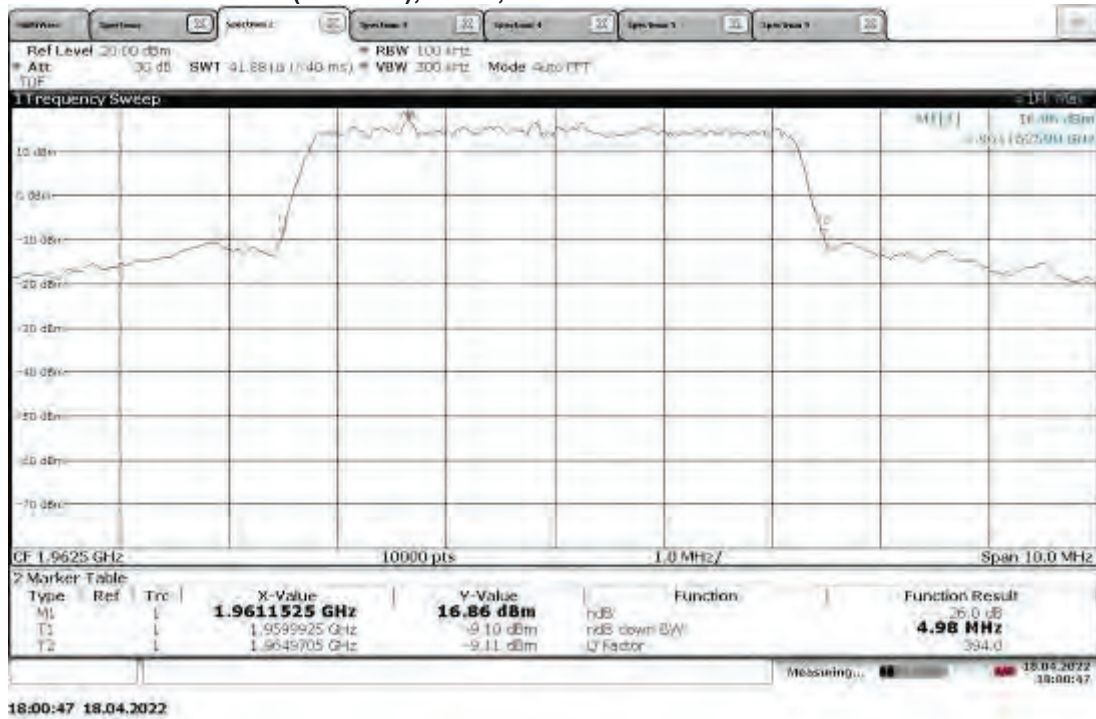
TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel 26 dB Bandwidth



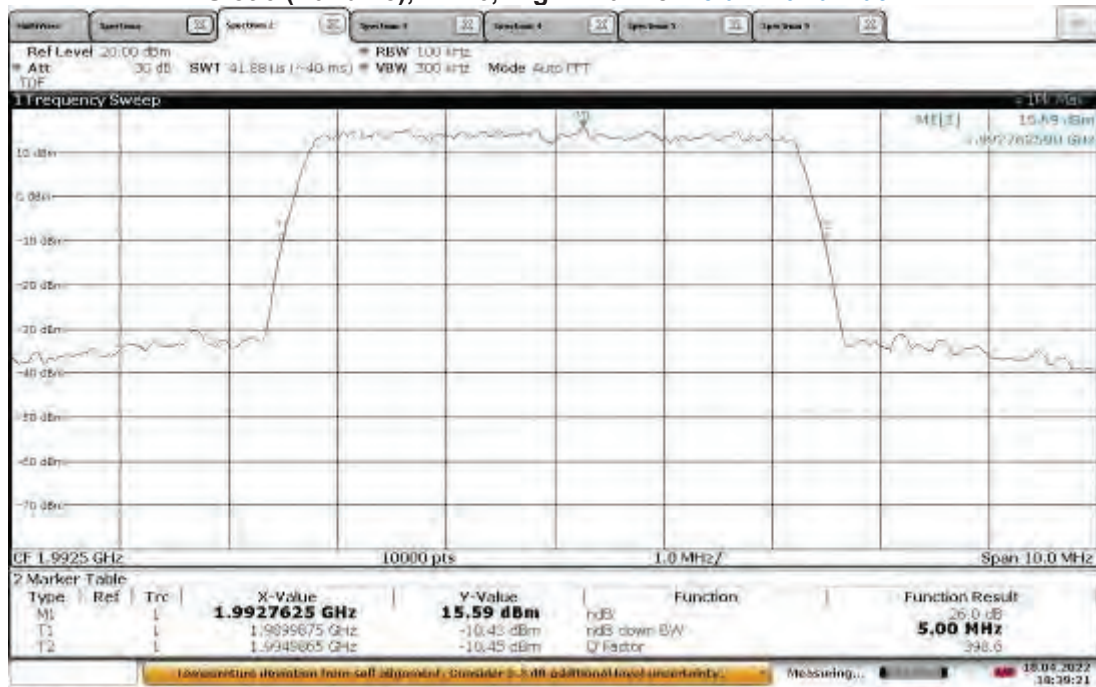
TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel 26 dB Bandwidth



TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel 26 dB Bandwidth



TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel 26 dB Bandwidth



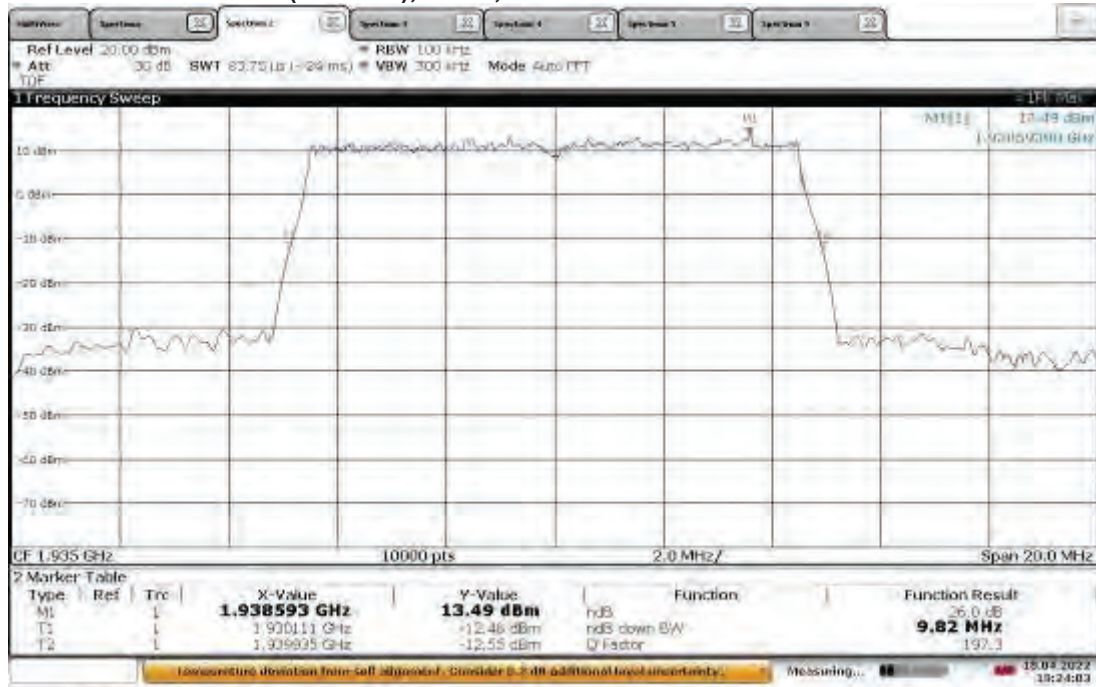
18:39:21 18.04.2022

TM3.1-64QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel 26 dB Bandwidth



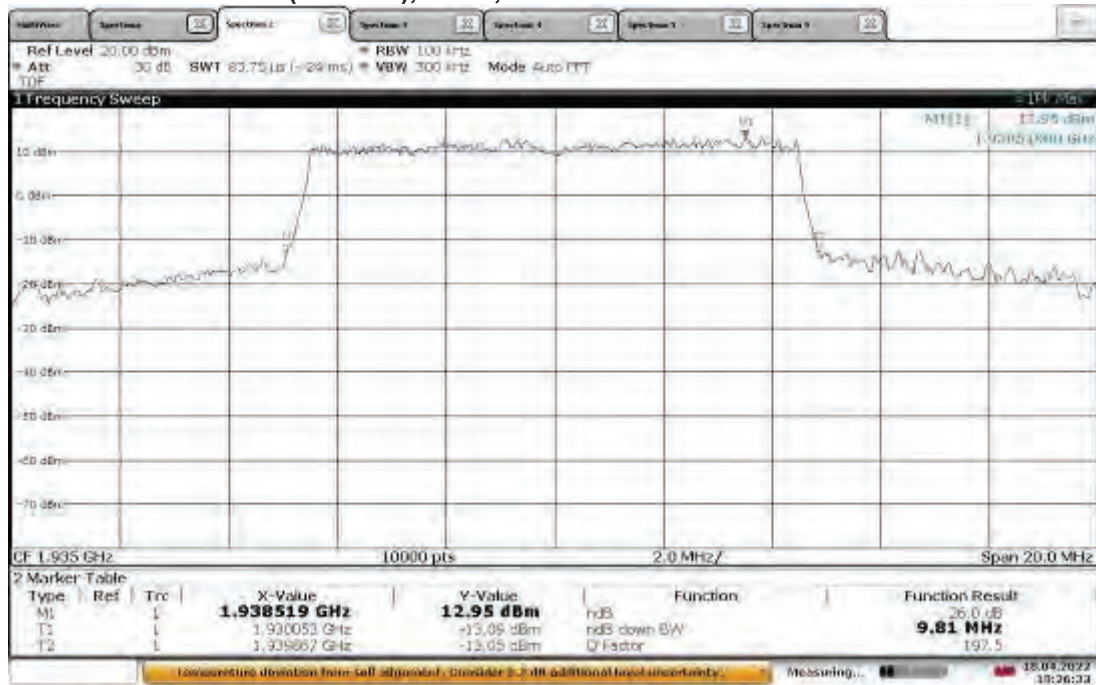
18:42:35 18.04.2022

TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel 26 dB Bandwidth



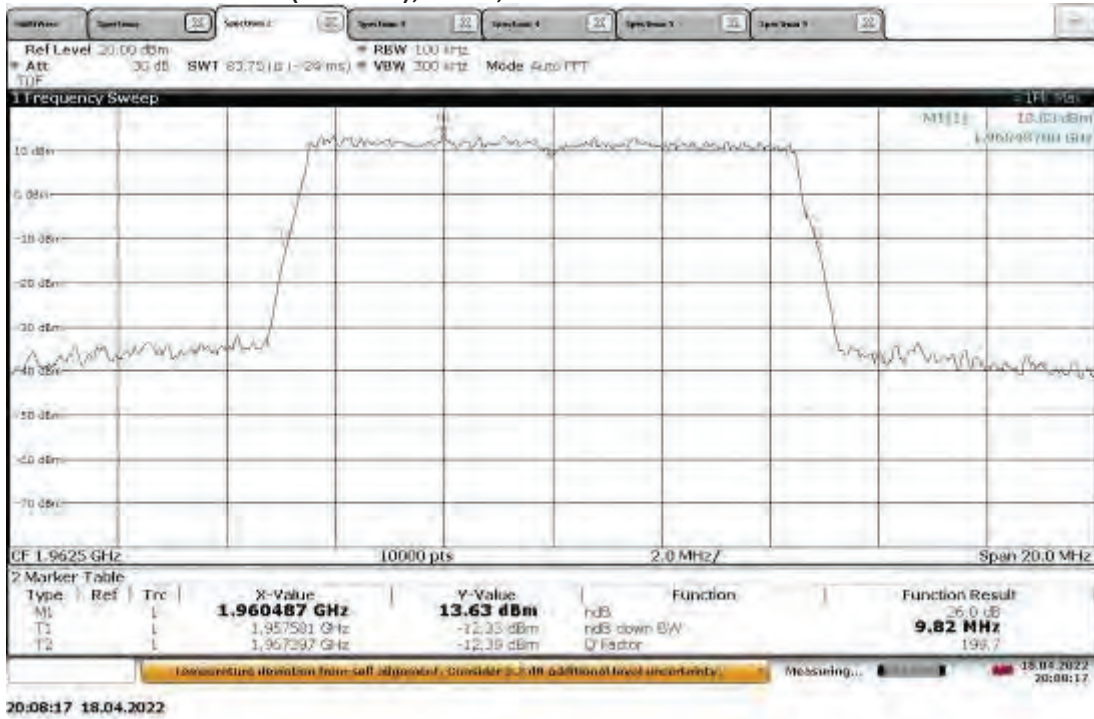
19:24:03 18.04.2022

TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel 26 dB Bandwidth

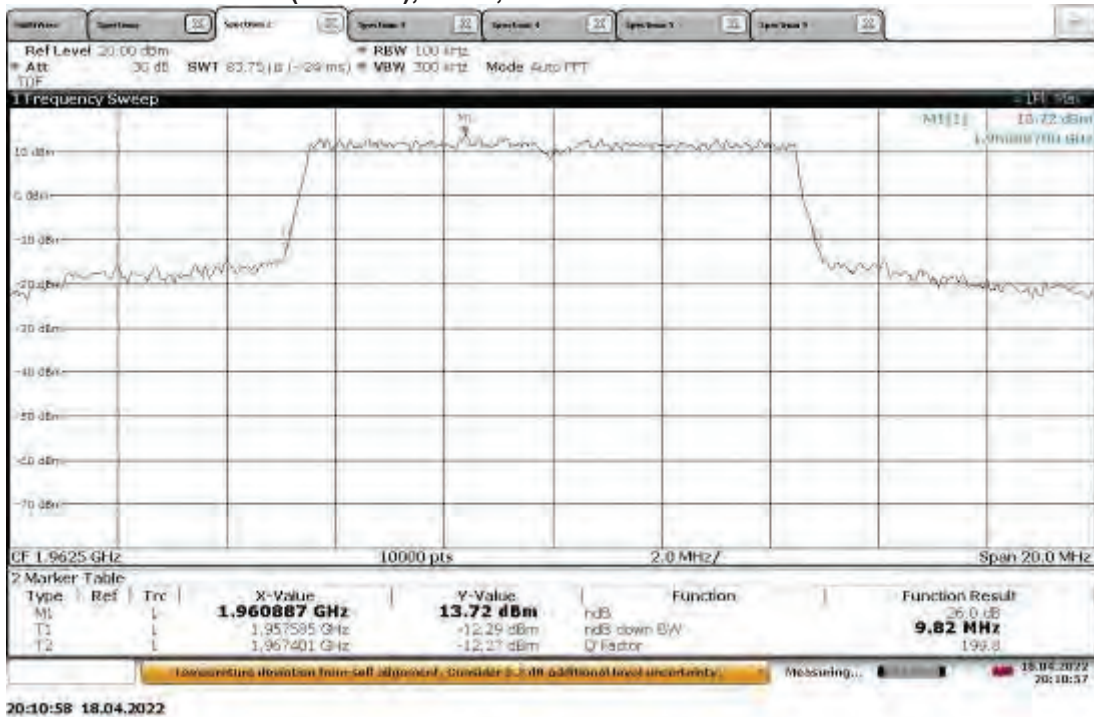


19:26:33 18.04.2022

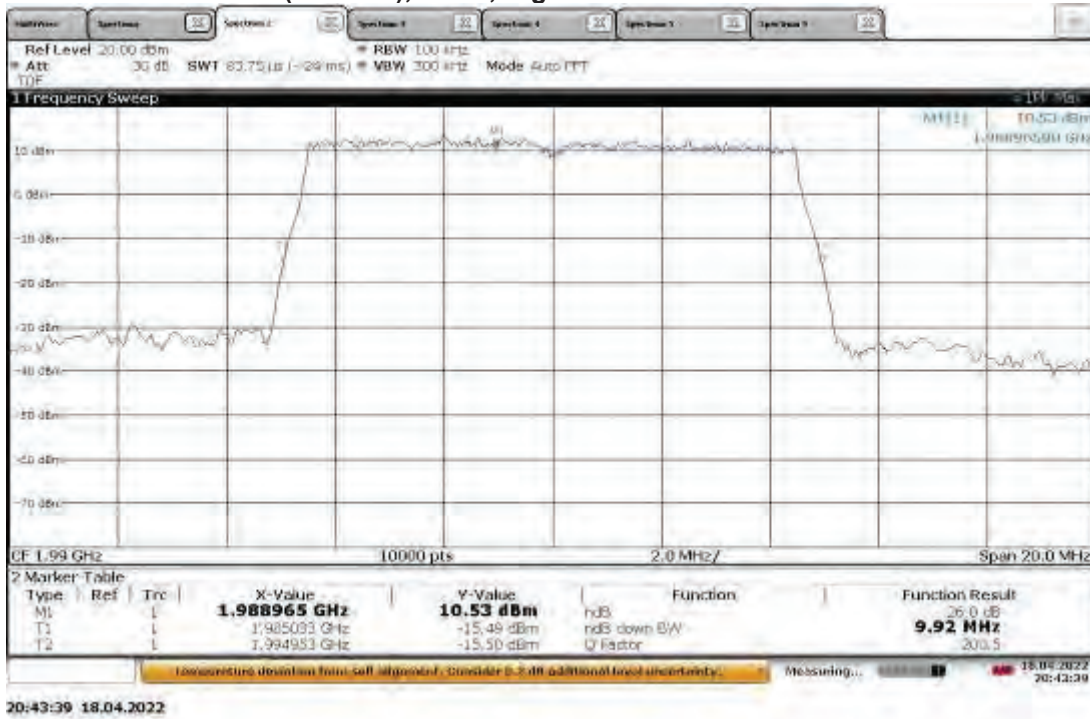
TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel 26 dB Bandwidth



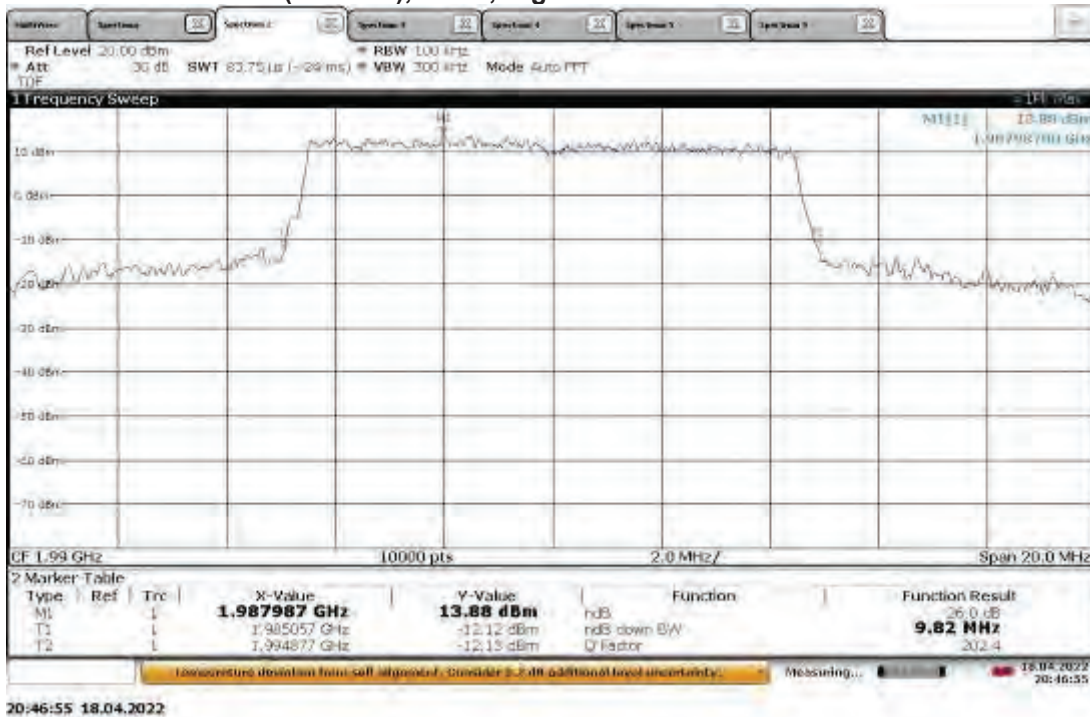
TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel 26 dB Bandwidth



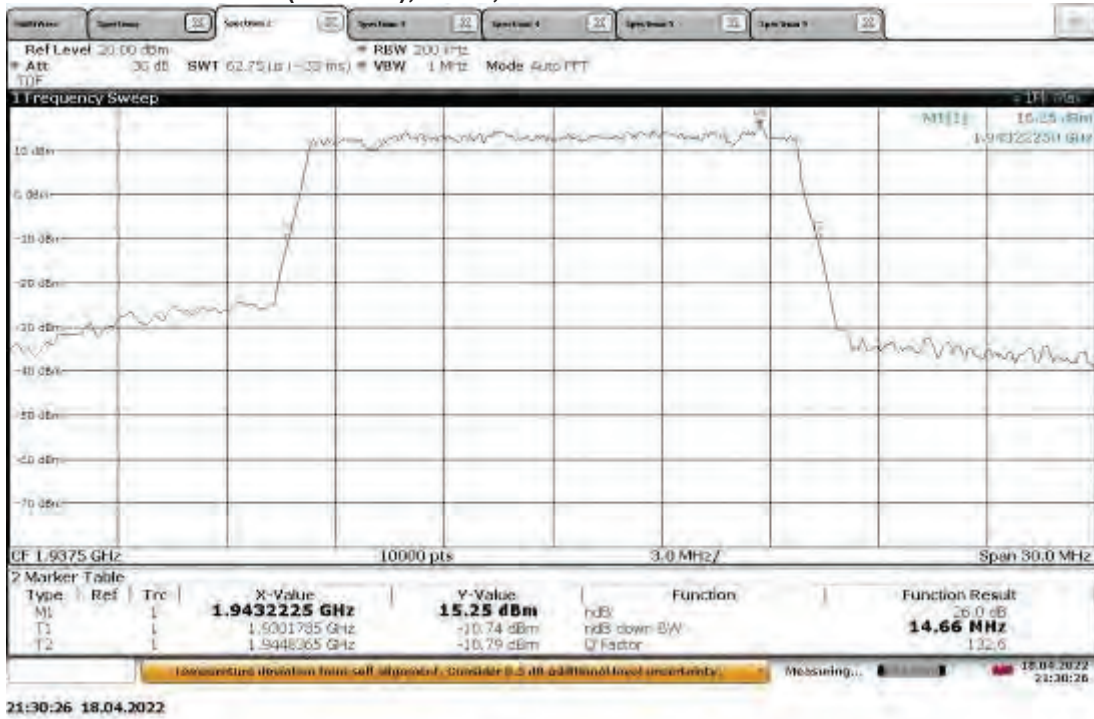
TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel 26 dB Bandwidth



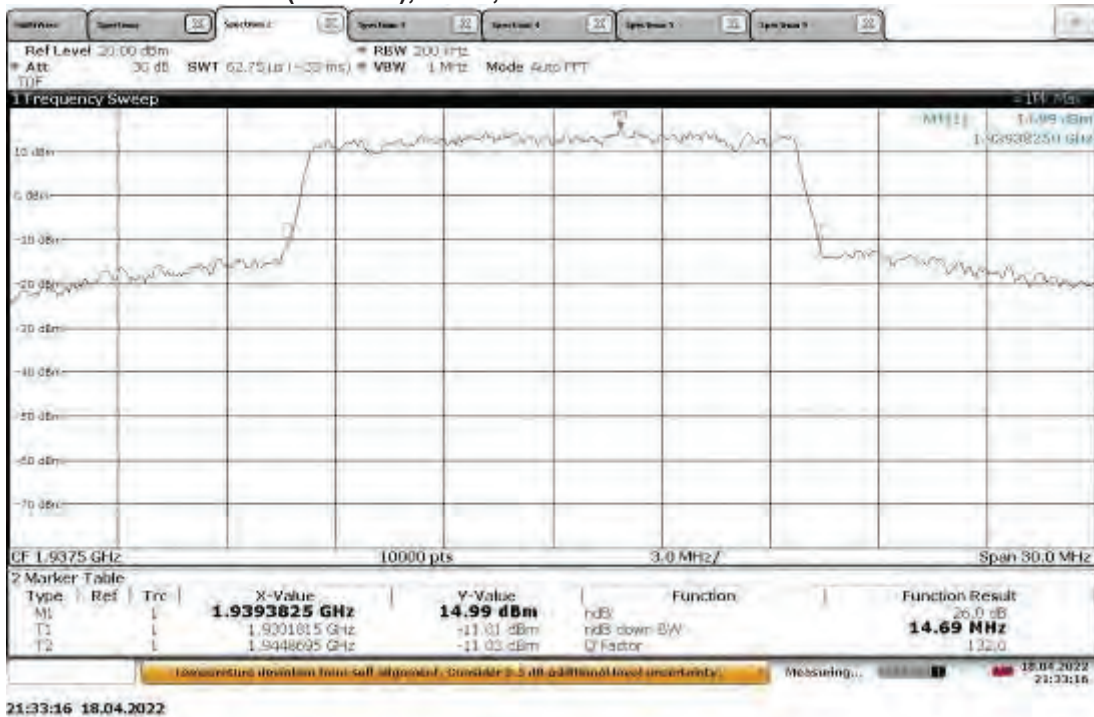
TM3.1-64QAM_10 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel 26 dB Bandwidth



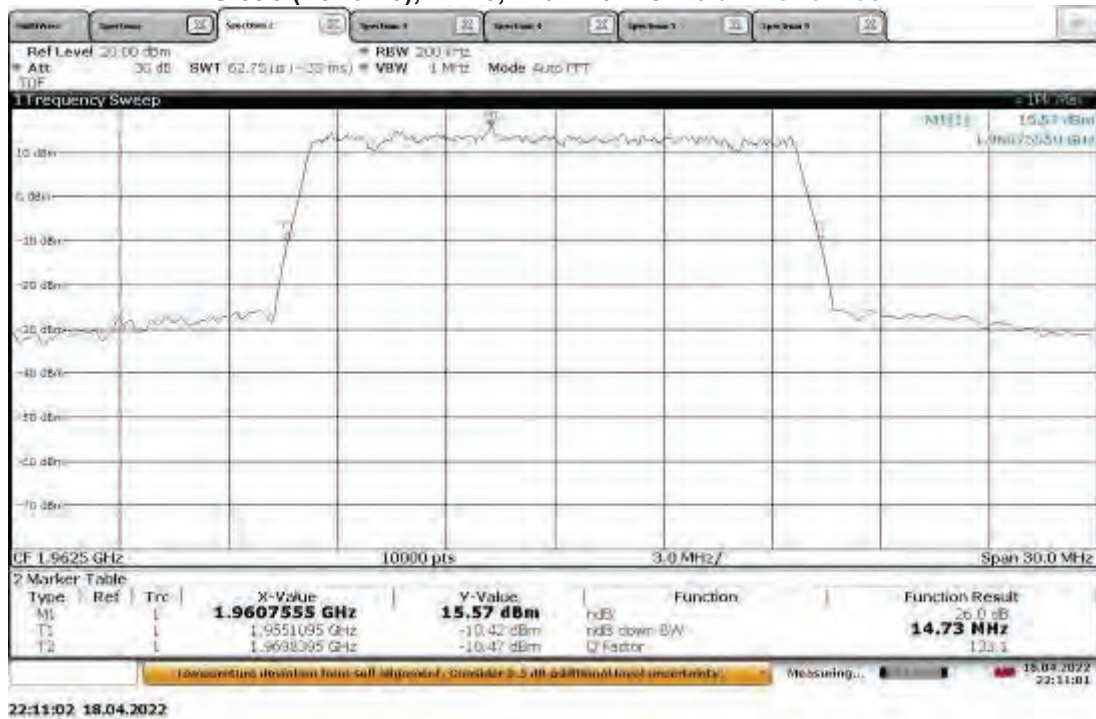
TM3.1-64QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel 26 dB Bandwidth



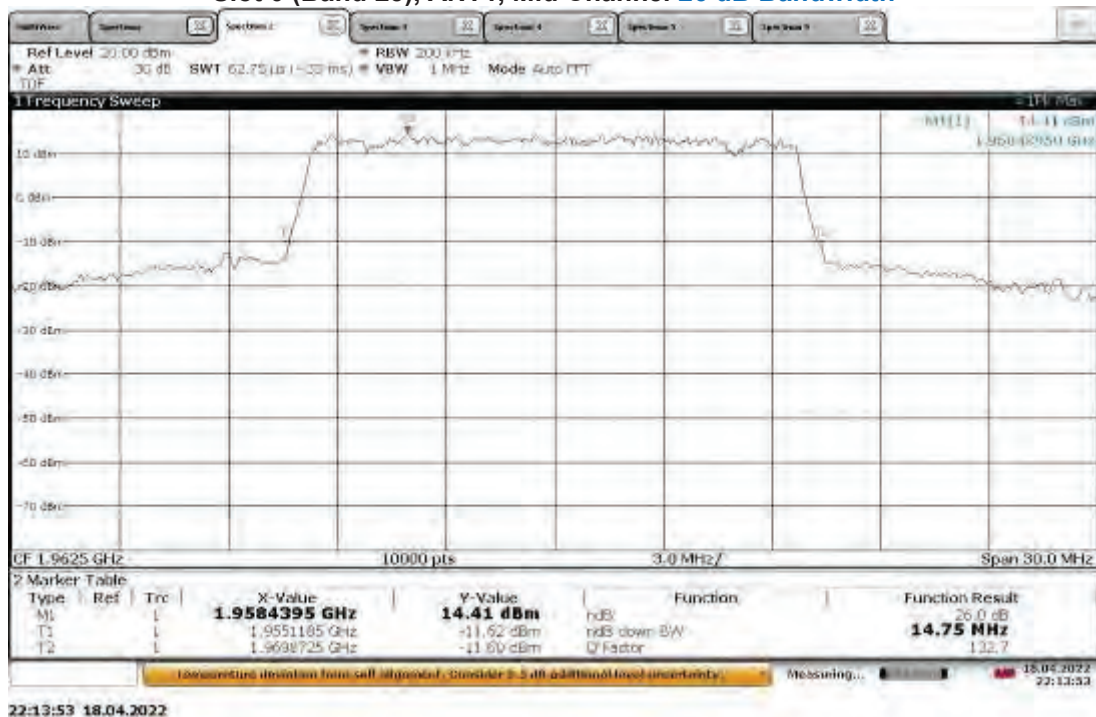
TM3.1-64QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel 26 dB Bandwidth



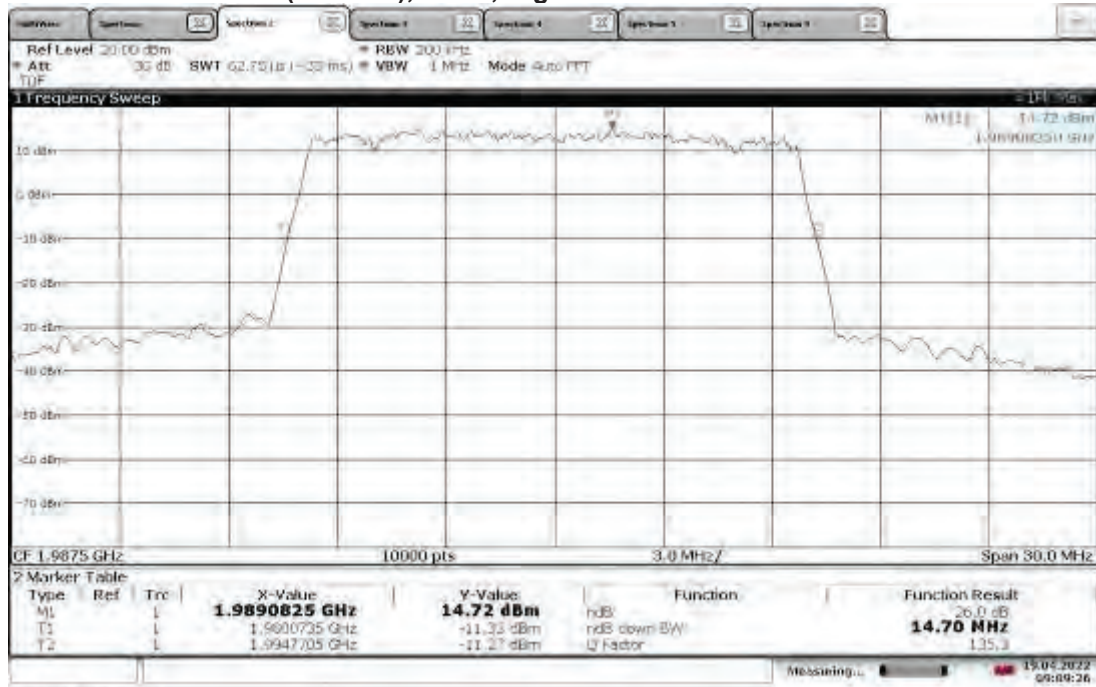
TM3.1-64QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel 26 dB Bandwidth



TM3.1-64QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel 26 dB Bandwidth

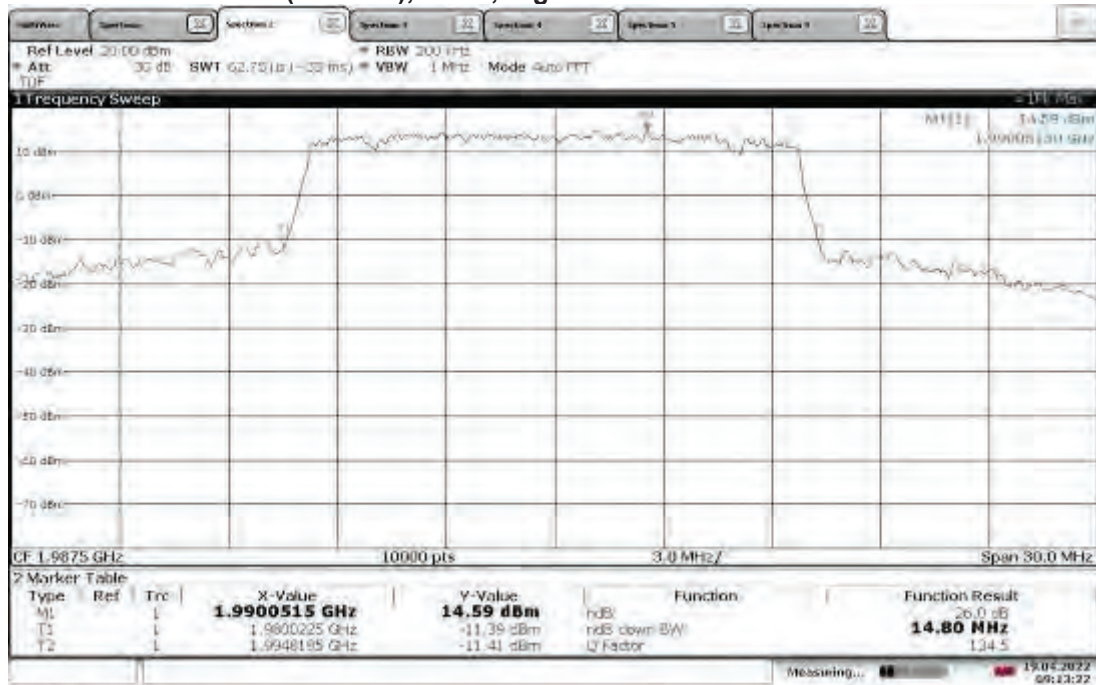


TM3.1-64QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel 26 dB Bandwidth



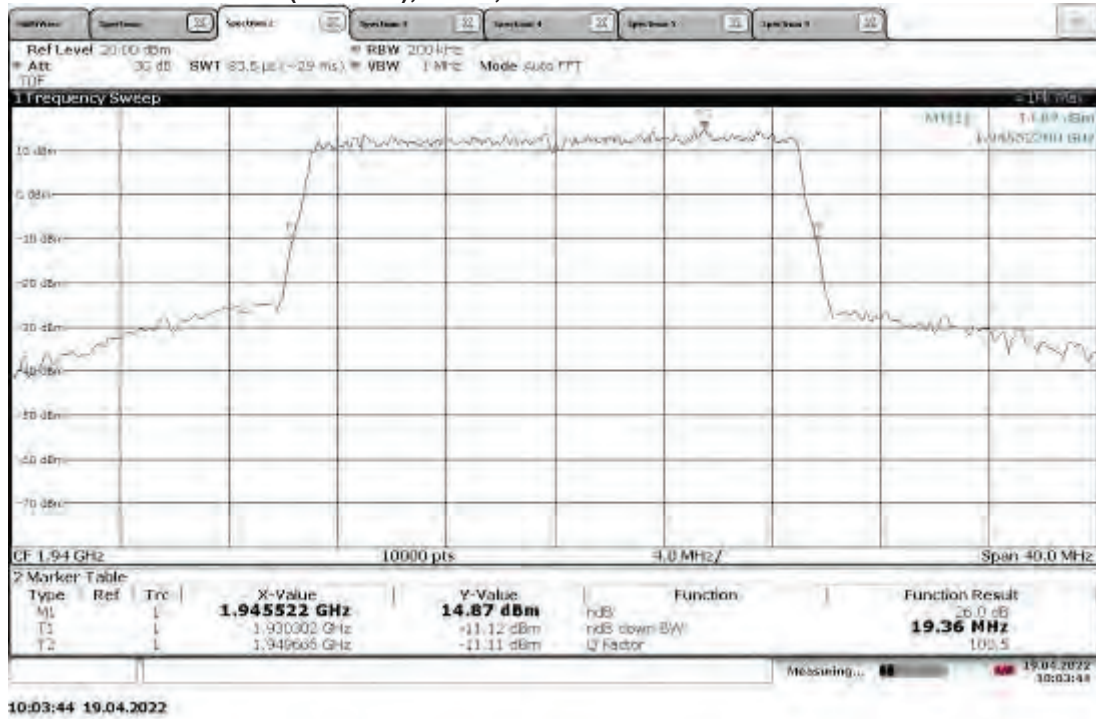
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TM3.1-64QAM_15 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel 26 dB Bandwidth

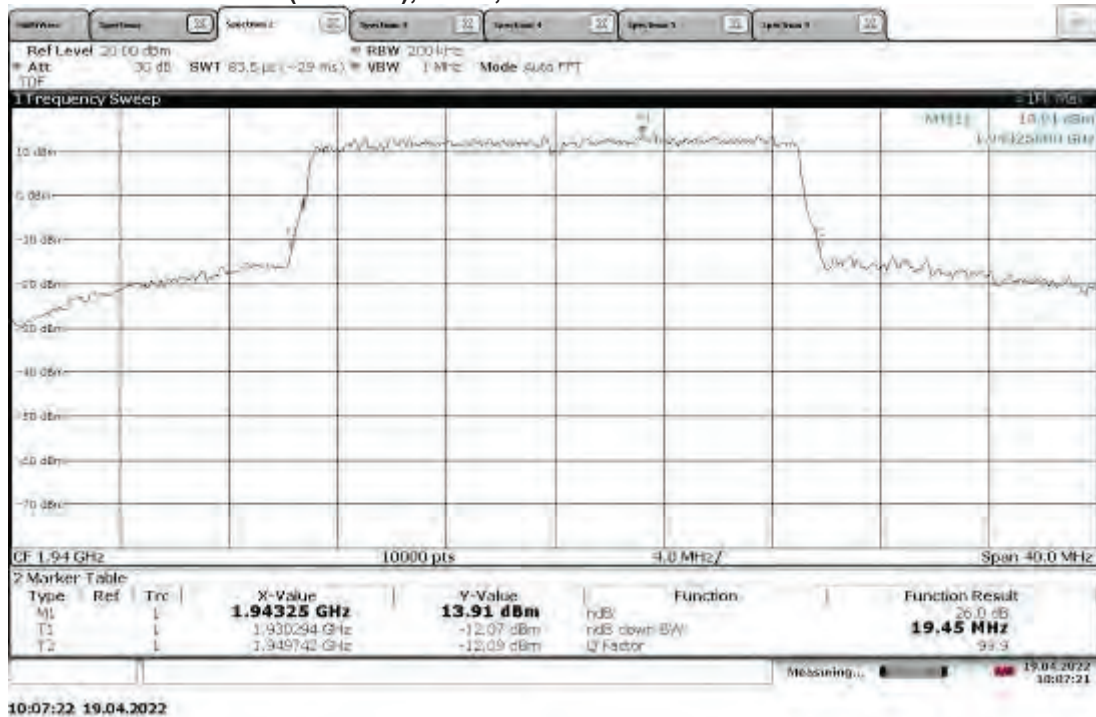


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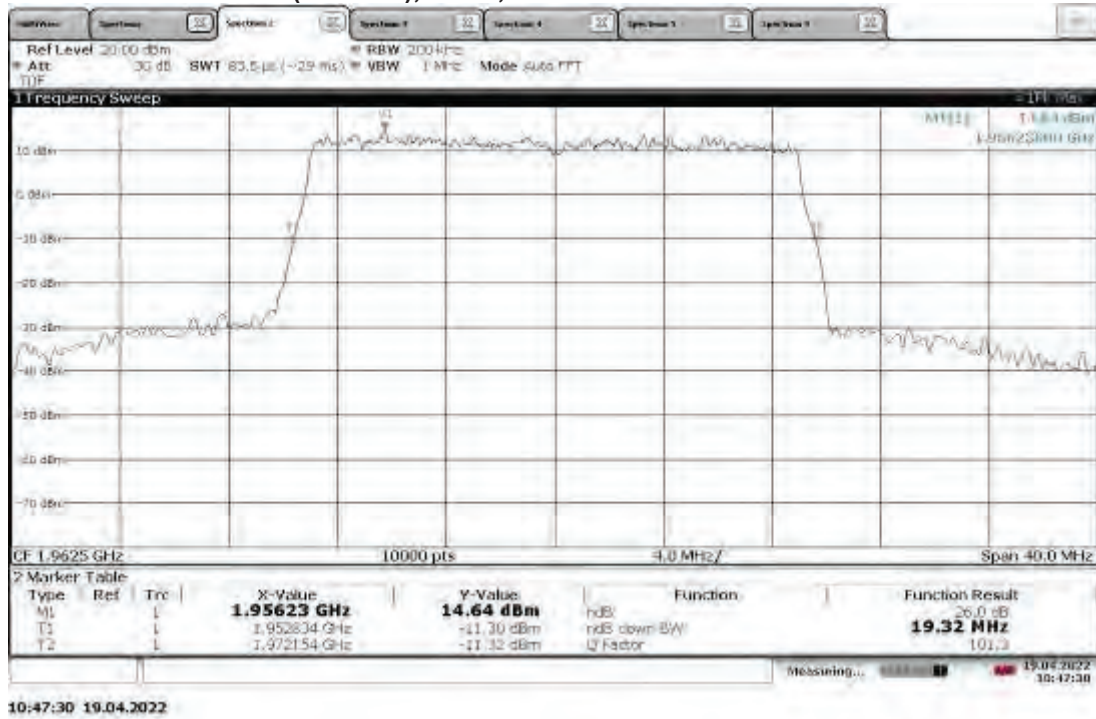
TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel 26 dB Bandwidth



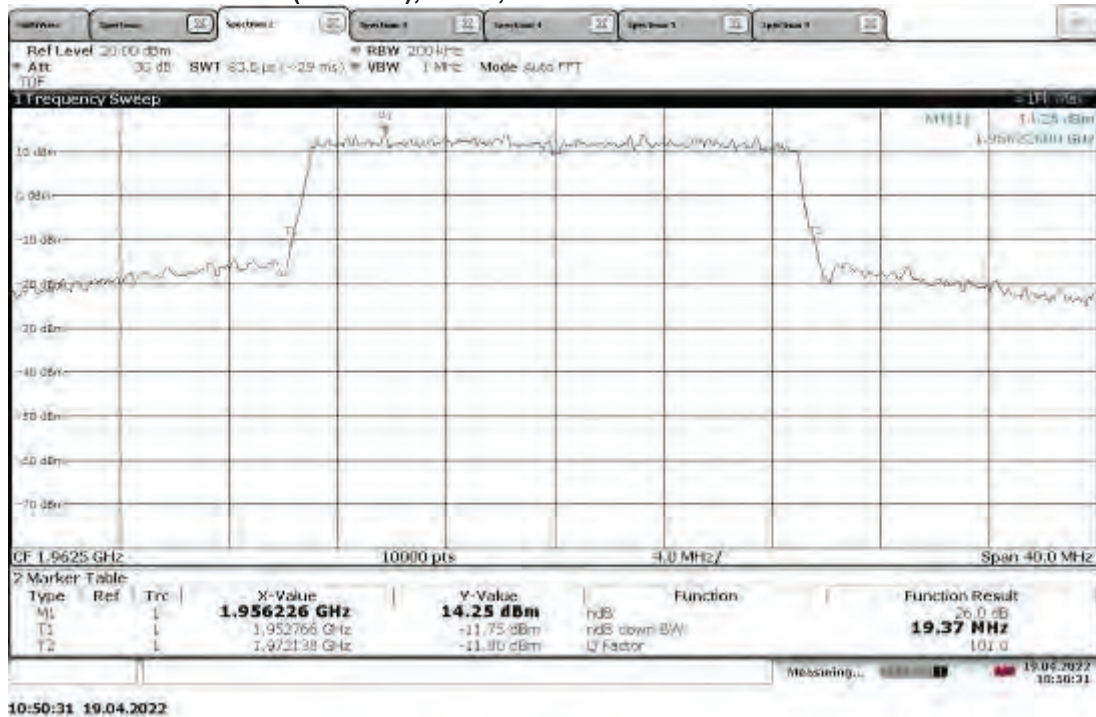
TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel 26 dB Bandwidth



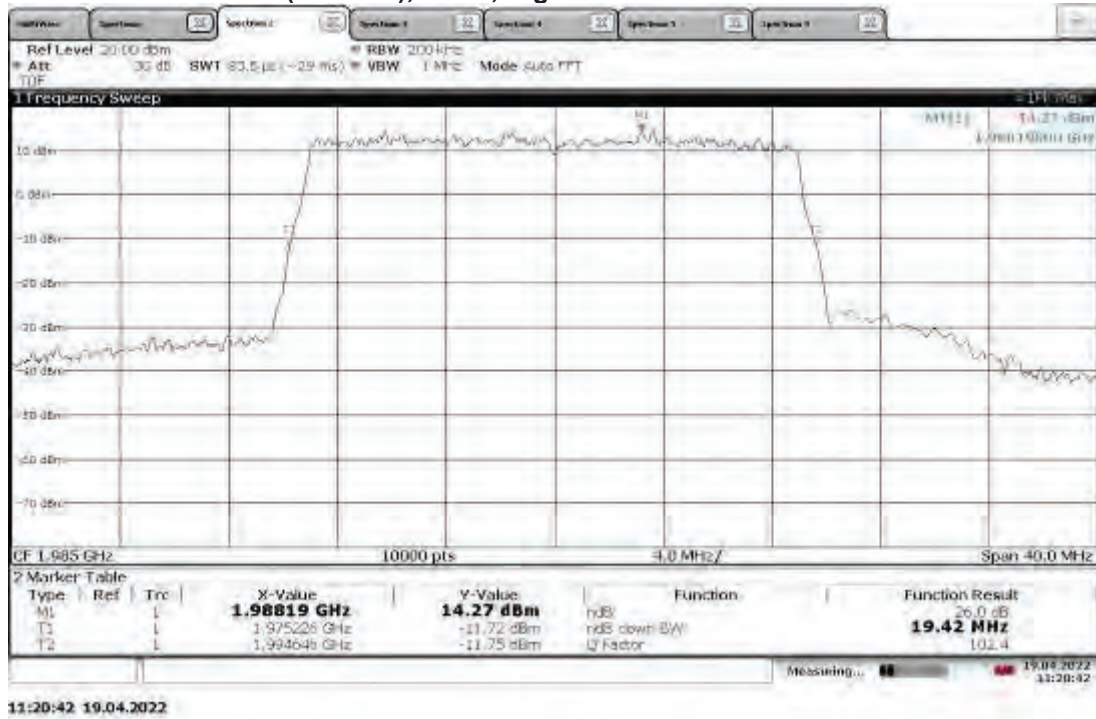
TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel 26 dB Bandwidth



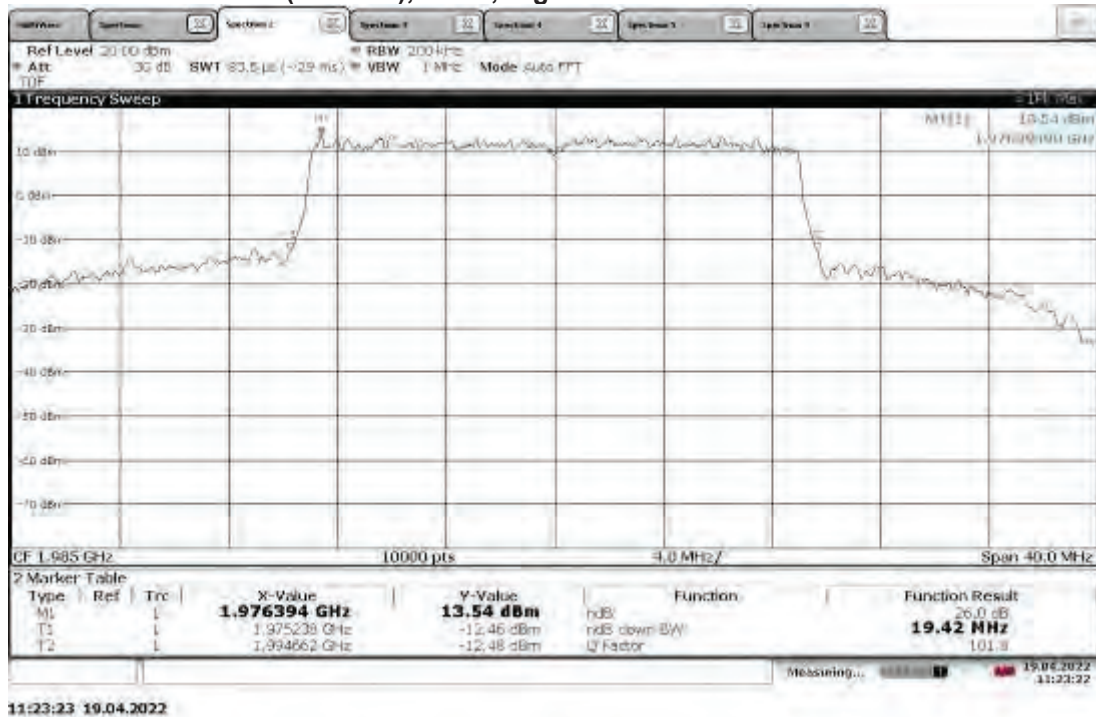
TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel 26 dB Bandwidth



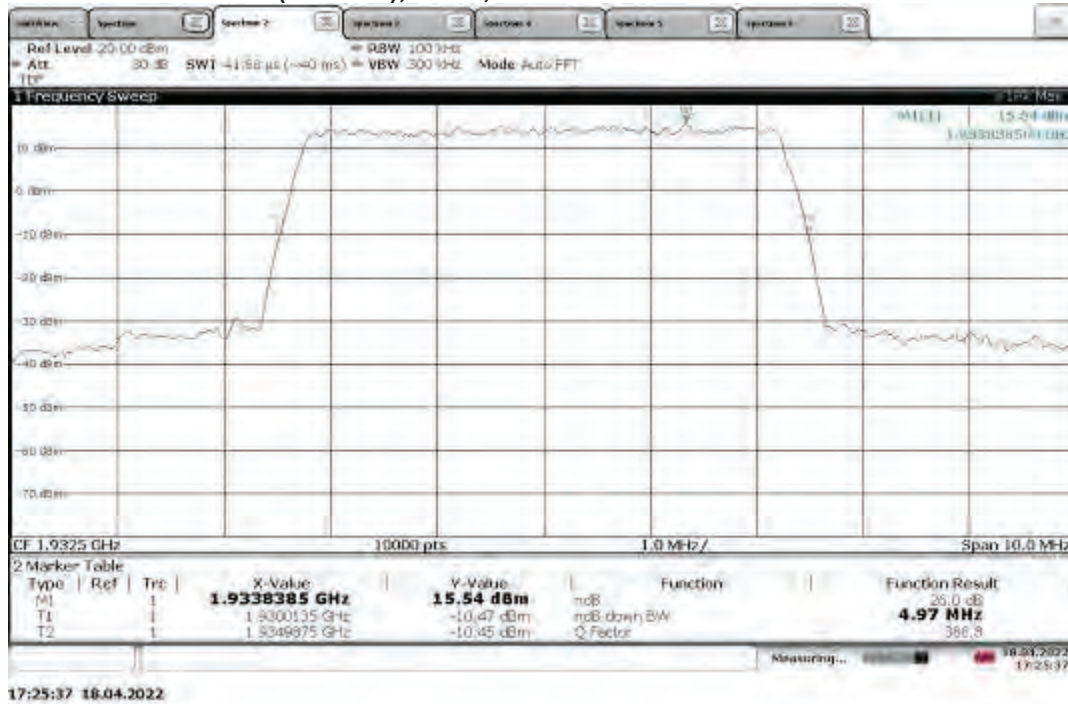
TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel 26 dB Bandwidth



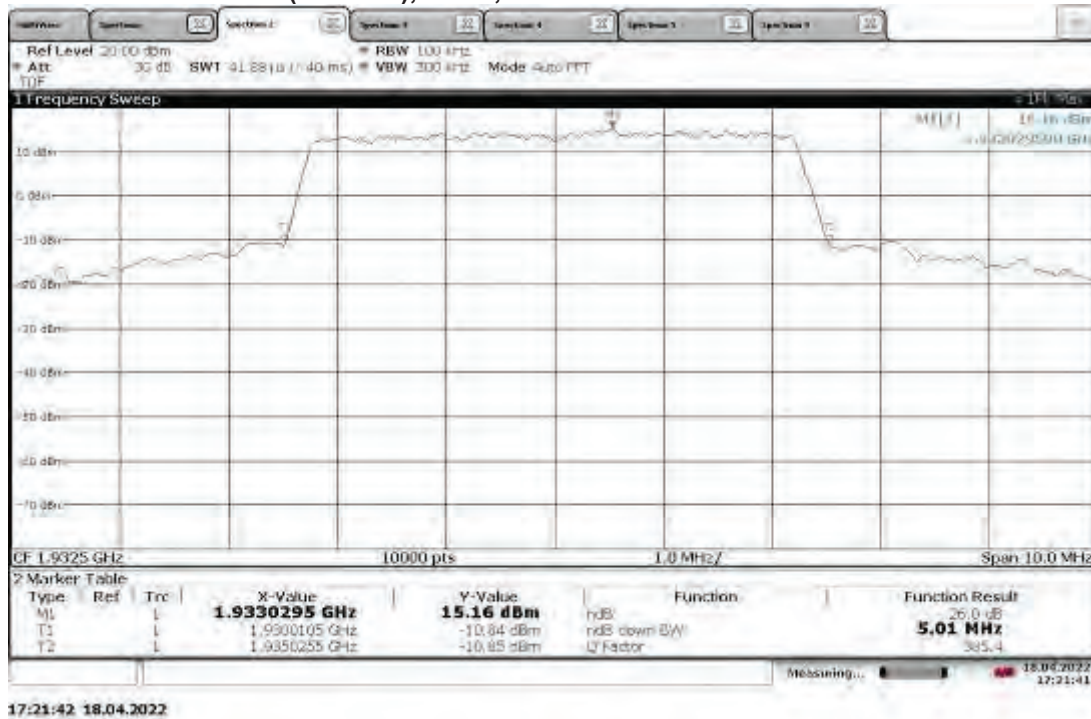
TM3.1-64QAM_20 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel 26 dB Bandwidth



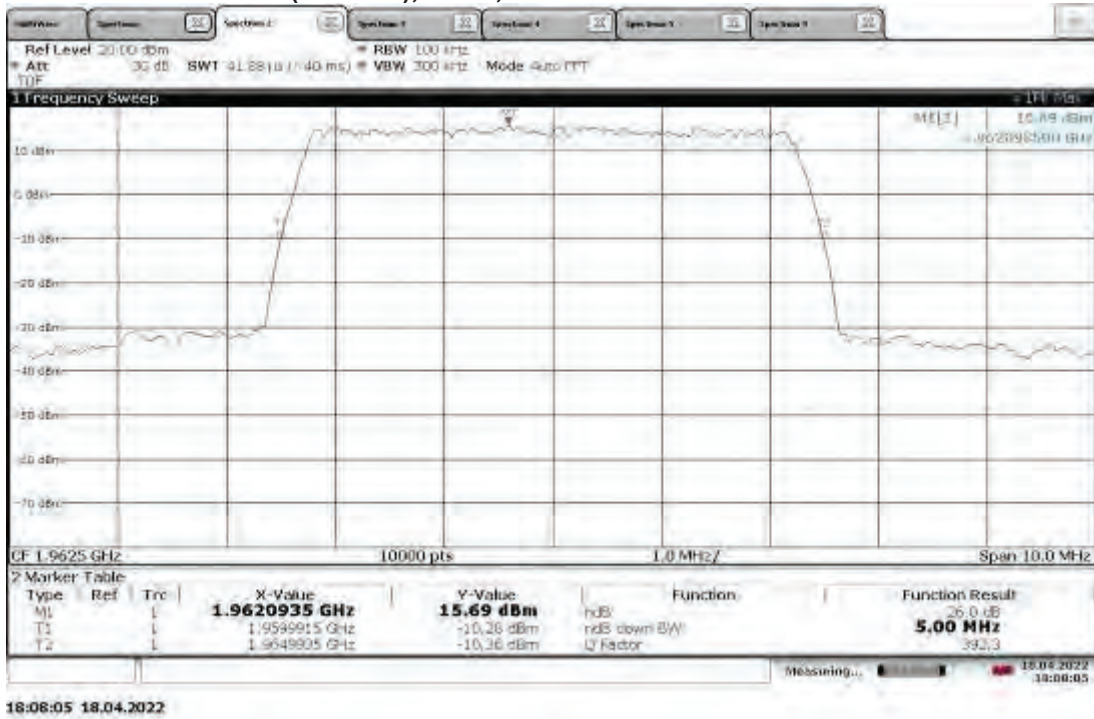
TM3.1a-256QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Low Channel 26 dB Bandwidth



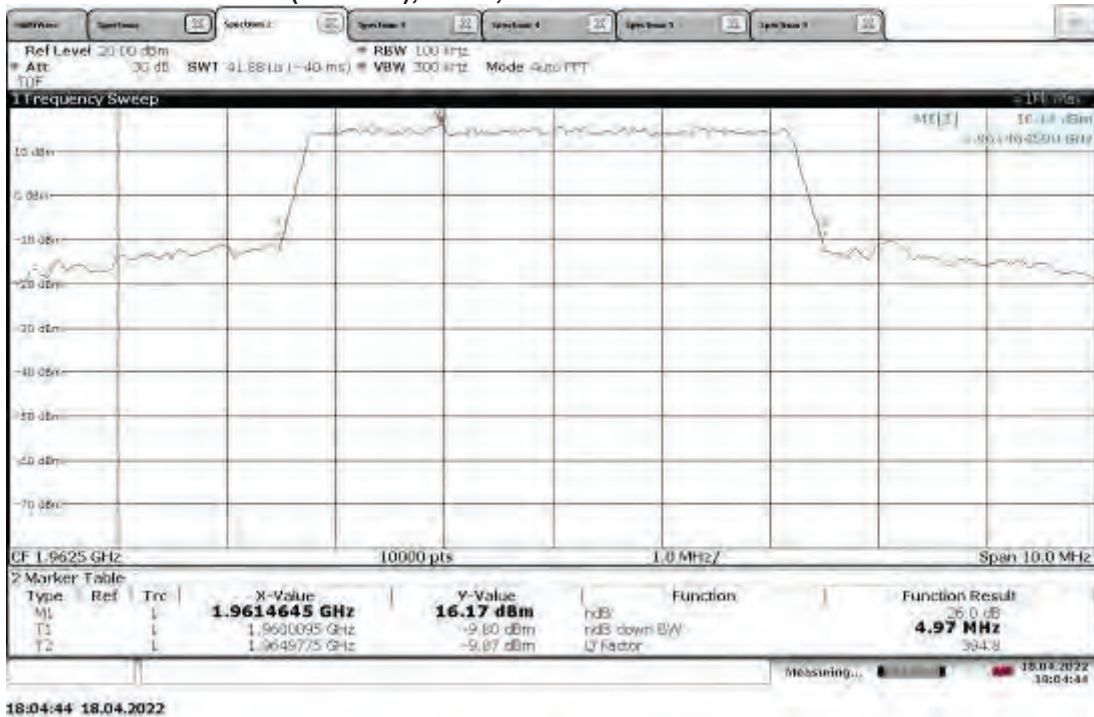
TM3.1a-256QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Low Channel 26 dB Bandwidth



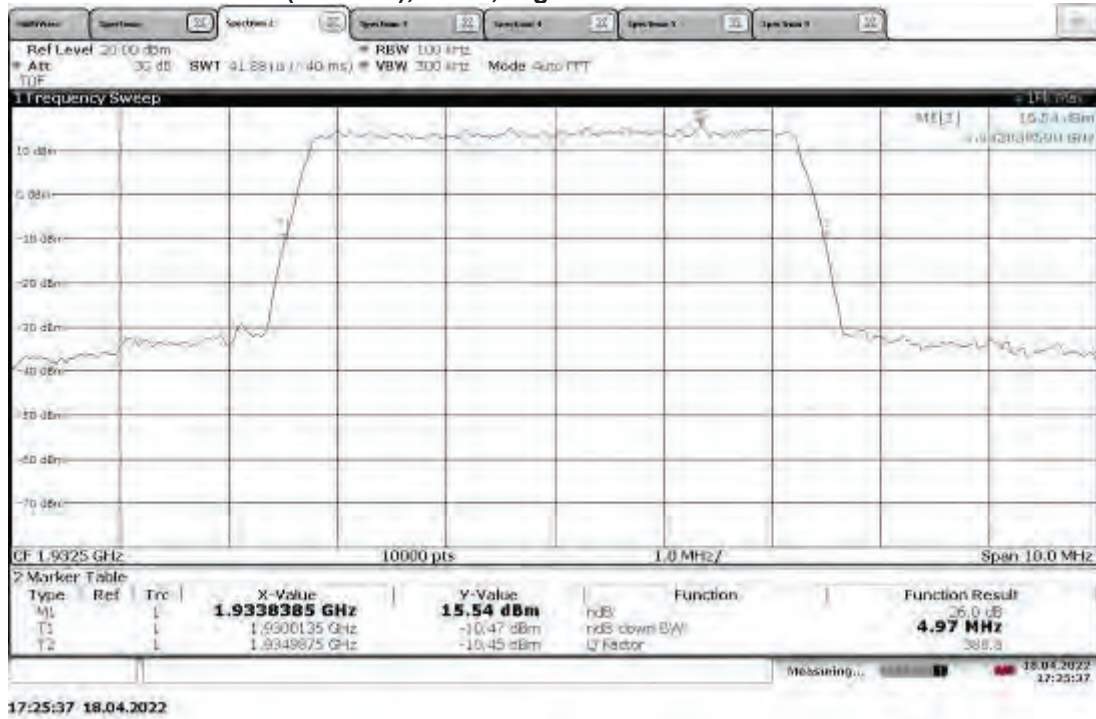
TM3.1a-256QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, Mid Channel 26 dB Bandwidth



TM3.1a-256QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, Mid Channel 26 dB Bandwidth



TM3.1a-256QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT0, High Channel 26 dB Bandwidth



TM3.1a-256QAM_5 MHz Bandwidth (4G LTE)
Slot 0 (Band 25), ANT1, High Channel 26 dB Bandwidth

