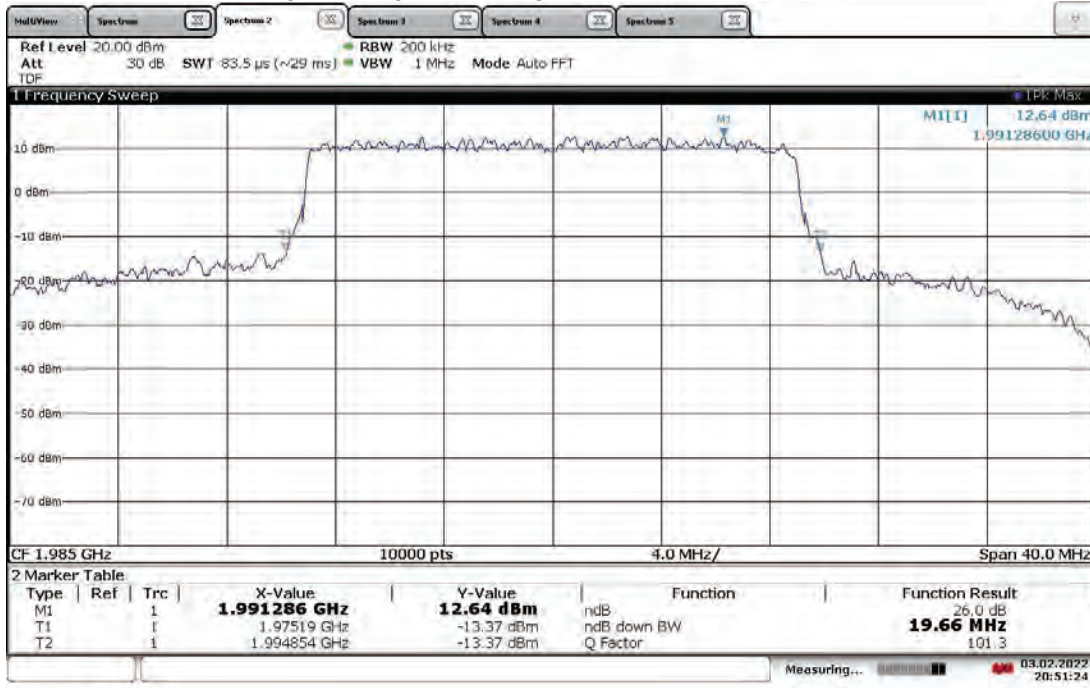
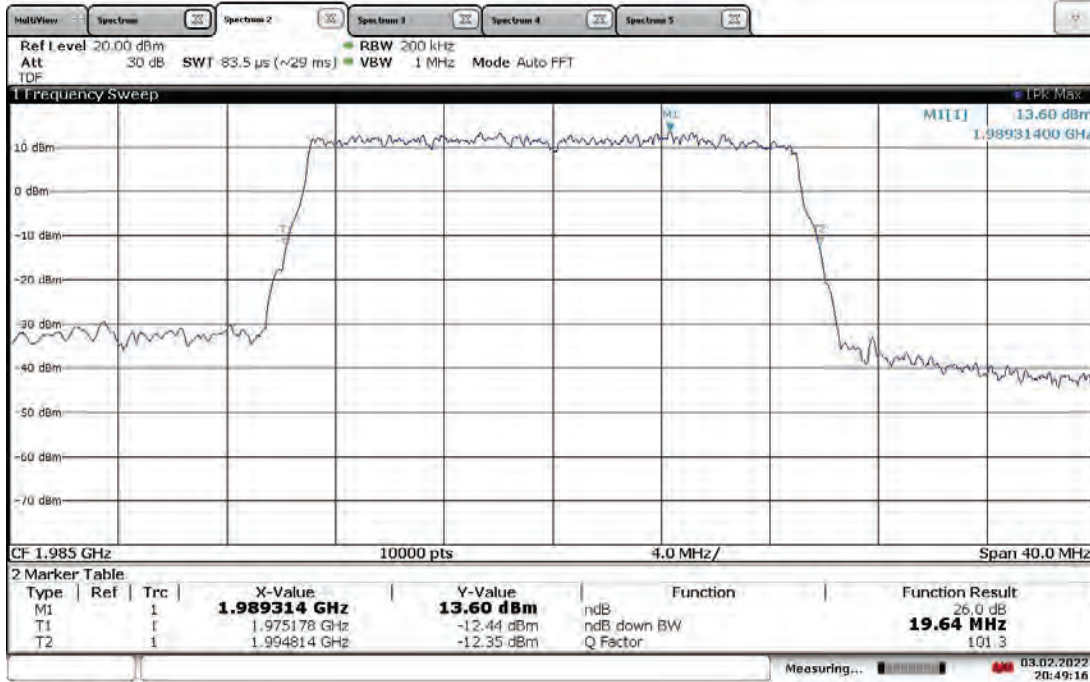


TM3.1a-256QAM_20 MHz Bandwidth (5G nR)
Slot 0 (Band 25), ANT0, High Channel 26 dB Bandwidth



20:51:25 03.02.2022

TM3.1a-256QAM_20 MHz Bandwidth (5G nR)
Slot 0 (Band 25), ANT1, High Channel 26 dB Bandwidth



20:49:17 03.02.2022

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

Test Date: 01/19/2022, 01/21/2022, 01/24/2022

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

Limit Applied: See report section 8.3

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

Ambient Temperature: 24, 24, 23 °C

Relative Humidity: 15, 8, 12 %

Atmospheric Pressure: 1003, 1025, 1002 mbars

Deviations, Additions, or Exclusions: None

9 Band Edge Compliance

9.1 Method

Tests are performed in accordance with ANSI C63.26 and CFR47 FCC Parts 2.1051, 2.1053, and 24.

TEST SITE: EMC Lab & 10m ALSE

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.

9.2 Test Equipment Used:

Asset	Description	Manufacturer	Model	Serial	Cal Date	Cal Due
DAV005'	Weather Station	Davis	6250	MS191218083	02/07/2021	02/07/2022
ROS005-1'	Signal and Spectrum Analyzer	Rohde and 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	02/10/2021	02/10/2022
MIN26	50Watt 20dB attenuator	Mini Circuits	BW-N20W50+	VY573711721	07/23/2021	07/23/2022

Software Utilized:

Name	Manufacturer	Version
None	--	--

9.3 Results:

The sample tested was found to Comply.

§24.238(a)(b) The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

Intertek

Report Number: 104915434BOX-001c

Issued: 02/24/2022

Revised: 03/30/2022

Slot 0 (Band 25), Bandwidth: 5 MHz, Modulation: TM1.1-QPSK (4G LTE)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1932.50	ANT0	-17.04	-13	-4.04
		ANT1	-31.34	-13	-18.34
High	1992.50	ANT0	-19.54	-13	-6.54
		ANT1	-34.25	-13	-21.25

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

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1935.00	ANT0	-20.06	-13	-7.06
		ANT1	-32.87	-13	-19.87
High	1990.00	ANT0	-20.75	-13	-7.75
		ANT1	-36.30	-13	-23.3

Slot 0 (Band 25), Bandwidth: 15 MHz, Modulation: TM1.1-QPSK (4G LTE)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1937.50	ANT0	-20.88	-13	-7.88
		ANT1	-35.91	-13	-22.91
High	1987.50	ANT0	-20.91	-13	-7.91
		ANT1	-37.39	-13	-24.39

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

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1940.00	ANT0	-21.35	-13	-8.35
		ANT1	-36.5	-13	-23.5
High	1985.00	ANT0	-23.66	-13	-10.66
		ANT1	-38.08	-13	-25.08

Slot 0 (Band 25), Bandwidth: 5 MHz, Modulation: TM3.2-16QAM (4G LTE)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1932.50	ANT0	-17.35	-13	-4.35
		ANT1	-31.78	-13	-18.78
High	1992.50	ANT0	-19.87	-13	-6.87
		ANT1	-35.03	-13	-22.03

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

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1935.00	ANT0	-13	-20.94	-13
		ANT1	-13	-5.39	-13
High	1990.00	ANT0	-13	-8.16	-13
		ANT1	-13	-23.75	-13

Slot 0 (Band 25), Bandwidth: 15 MHz, Modulation: TM3.2-16QAM (4G LTE)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1937.50	ANT0	-19.51	-13	-6.51
		ANT1	-35.34	-13	-22.34
High	1987.50	ANT0	-21.16	-13	-8.16
		ANT1	-36.75	-13	-23.75

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

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1940.00	ANT0	-21.15	-13	-8.15
		ANT1	-36.43	-13	-23.43
High	1985.00	ANT0	-23.68	-13	-10.68
		ANT1	-37.91	-13	-24.91

Slot 0 (Band 25), Bandwidth: 5 MHz, Modulation: TM3.1-64QAM (4G LTE)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1932.50	ANT0	-16.4	-13	-3.4
		ANT1	-31.7	-13	-18.7
High	1992.50	ANT0	-20.73	-13	-7.73
		ANT1	-35.53	-13	-22.53

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

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1935.00	ANT0	-19.24	-13	-6.24
		ANT1	-33.76	-13	-20.76
High	1990.00	ANT0	-20.16	-13	-7.16
		ANT1	-36.46	-13	-23.46

Slot 0 (Band 25), Bandwidth: 15 MHz, Modulation: TM3.1-64QAM (4G LTE)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1937.50	ANT0	-18.91	-13	-5.91
		ANT1	-35.66	-13	-22.66
High	1987.50	ANT0	-20.61	-13	-7.61
		ANT1	-37.95	-13	-24.95

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

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1940.00	ANT0	-20.9	-13	-7.9
		ANT1	-36.82	-13	-23.82
High	1985.00	ANT0	-22.33	-13	-9.33
		ANT1	-38.46	-13	-25.46

Slot 0 (Band 25), Bandwidth: 5 MHz, Modulation: TM3.1a-256QAM (4G LTE)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1932.50	ANT0	-16.47	-13	-3.47
		ANT1	-31.24	-13	-18.24
High	1992.50	ANT0	-19.76	-13	-6.76
		ANT1	-33.75	-13	-20.75

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

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1935.00	ANT0	-18.62	-13	-5.62
		ANT1	-31.34	-13	-18.34
High	1990.00	ANT0	-21.44	-13	-8.44
		ANT1	-36.6	-13	-23.6

Slot 0 (Band 25), Bandwidth: 15 MHz, Modulation: TM3.1a-256QAM (4G LTE)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1937.50	ANT0	-19.49	-13	-6.49
		ANT1	-35.56	-13	-22.56
High	1987.50	ANT0	22.07	-13	35.07
		ANT1	-38.63	-13	-25.63

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Issued: 02/24/2022

Revised: 03/30/2022

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

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1940.00	ANT0	-21.46	-13	-8.46
		ANT1	-34.43	-13	-21.43
High	1985.00	ANT0	-22.46	-13	-9.46
		ANT1	-38.15	-13	-25.15

Slot 0 (Band 25), Bandwidth: 5 MHz, Modulation: TM1.1-QPSK (5G nR)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1932.50	ANT0	-16.98	-13	-3.98
		ANT1	-31.9	-13	-18.9
High	1992.50	ANT0	-18.38	-13	-5.38
		ANT1	-33.64	-13	-20.64

Slot 0 (Band 25), Bandwidth: 10 MHz, Modulation: TM1.1-QPSK (5G nR)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1935.00	ANT0	-19.02	-13	-6.02
		ANT1	-32.11	-13	-19.11
High	1990.00	ANT0	-19.02	-13	-6.02
		ANT1	-33.59	-13	-20.59

Slot 0 (Band 25), Bandwidth: 15 MHz, Modulation: TM1.1-QPSK (5G nR)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1937.50	ANT0	-19.35	-13	-6.35
		ANT1	-32.28	-13	-19.28
High	1987.50	ANT0	-20.4	-13	-7.4
		ANT1	-35.13	-13	-22.13

Slot 0 (Band 25), Bandwidth: 20 MHz, Modulation: TM1.1-QPSK (5G nR)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1940.00	ANT0	-32.9	-13	-19.9
		ANT1	-21.59	-13	-8.59
High	1985.00	ANT0	-21.16	-13	-8.16
		ANT1	-38.16	-13	-25.16

Slot 0 (Band 25), Bandwidth: 5 MHz, Modulation: TM3.2-16QAM (5G nR)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1932.50	ANT0	-16.98	-13	-3.98
		ANT1	-31.86	-13	-18.86
High	1992.50	ANT0	-18.1	-13	-5.1
		ANT1	-34.37	-13	-21.37

Slot 0 (Band 25), Bandwidth: 10 MHz, Modulation: TM3.2-16QAM (5G nR)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1935.00	ANT0	-19.00	-13	-6.00
		ANT1	-32.93	-13	-19.93
High	1990.00	ANT0	20.9	-13	33.9
		ANT1	-33.67	-13	-20.67

Slot 0 (Band 25), Bandwidth: 15 MHz, Modulation: TM3.2-16QAM (5G nR)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1937.50	ANT0	-20.17	-13	-7.17
		ANT1	-34.72	-13	-21.72
High	1987.50	ANT0	-21.92	-13	-8.92
		ANT1	-34.91	-13	-21.91

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Slot 0 (Band 25), Bandwidth: 20 MHz, Modulation: TM3.2-16QAM (5G nR)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1940.00	ANT0	-21.14	-13	-8.14
		ANT1	-24.95	-13	-11.95
High	1985.00	ANT0	-22.6	-13	-9.6
		ANT1	-35.18	-13	-22.18

Slot 0 (Band 25), Bandwidth: 5 MHz, Modulation: TM3.1-64QAM (5G nR)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1932.50	ANT0	-16.84	-13	-3.84
		ANT1	-31.95	-13	-18.95
High	1992.50	ANT0	-19.01	-13	-6.01
		ANT1	-34.35	-13	-21.35

Slot 0 (Band 25), Bandwidth: 10 MHz, Modulation: TM3.1-64QAM (5G nR)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1935.00	ANT0	-19.04	-13	-6.04
		ANT1	-32.9	-13	-19.9
High	1990.00	ANT0	-18.86	-13	-5.86
		ANT1	-33.79	-13	-20.79

Slot 0 (Band 25), Bandwidth: 15 MHz, Modulation: TM3.1-64QAM (5G nR)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1937.50	ANT0	-19.71	-13	-6.71
		ANT1	-32.31	-13	-19.31
High	1987.50	ANT0	-22.74	-13	-9.74
		ANT1	-35.86	-13	-22.86

Slot 0 (Band 25), Bandwidth: 20 MHz, Modulation: TM3.1-64QAM (5G nR)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1940.00	ANT0	-20.85	-13	-7.85
		ANT1	-33.63	-13	-20.63
High	1985.00	ANT0	-22.24	-13	-9.24
		ANT1	-35.10	-13	-22.1

Slot 0 (Band 25), Bandwidth: 5 MHz, Modulation: TM3.1a-256QAM (5G nR)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1932.50	ANT0	-16.87	-13	-3.87
		ANT1	-31.17	-13	-18.17
High	1992.50	ANT0	-18.52	-13	-5.52
		ANT1	-33.18	-13	-20.18

Slot 0 (Band 25), Bandwidth: 10 MHz, Modulation: TM3.1a-256QAM (5G nR)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1935.00	ANT0	-17.55	-13	-4.55
		ANT1	-32.73	-13	-19.73
High	1990.00	ANT0	-20.12	-13	-7.12
		ANT1	-33.16	-13	-20.16

Slot 0 (Band 25), Bandwidth: 15 MHz, Modulation: TM3.1a-256QAM (5G nR)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1937.50	ANT0	-20.37	-13	-7.37
		ANT1	-34.92	-13	-21.92
High	1987.50	ANT0	-20.6	-13	-7.60
		ANT1	-33.16	-13	-20.16

Slot 0 (Band 25), Bandwidth: 20 MHz, Modulation: TM3.1a-256QAM (5G nR)

Band Edge	Frequency (MHz)	Antenna Port	Reading (dBm)	Limit (dBm)	Margin
Low	1940.00	ANT0	-20.8	-13	-7.8
		ANT1	-32.9	-13	-19.9
High	1985.00	ANT0	-20.49	-13	-7.49
		ANT1	-32.94	-13	-19.94

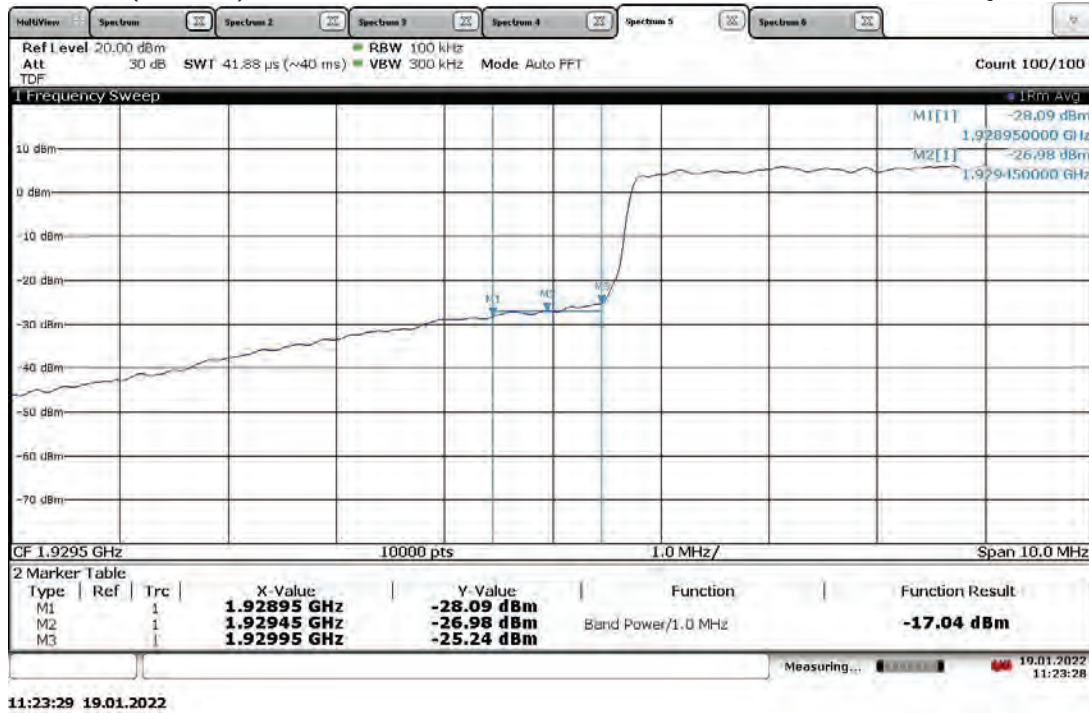
9.4

9.5 Setup Photograph:

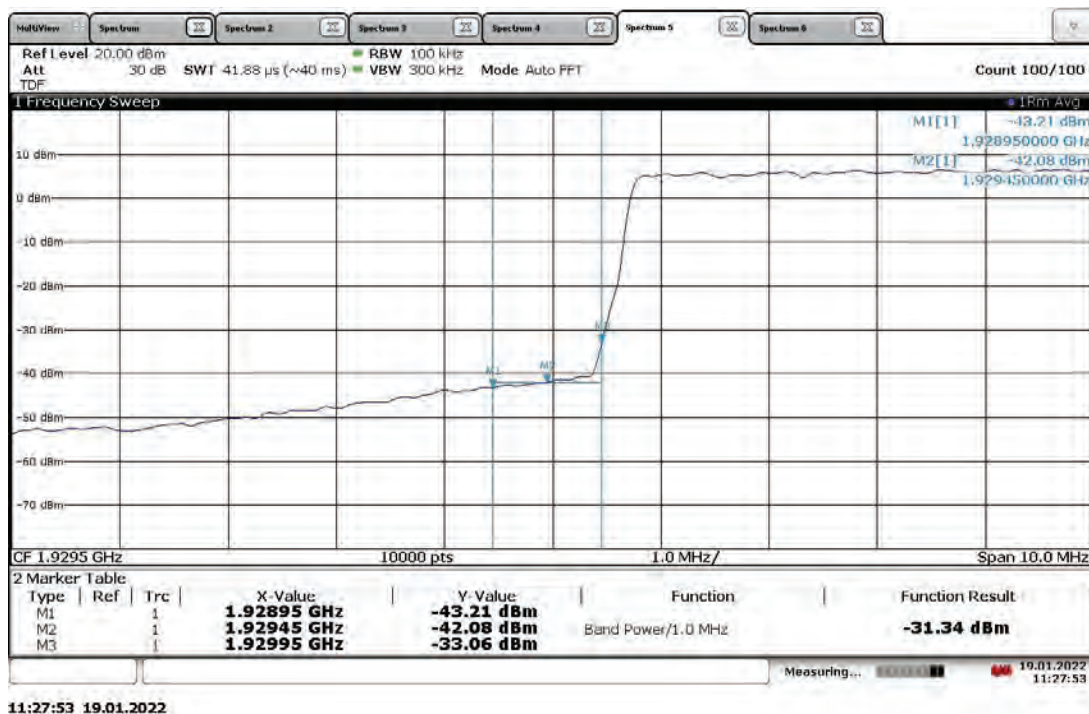
Confidential – Photos not included in this report

9.6 Plots/Data:

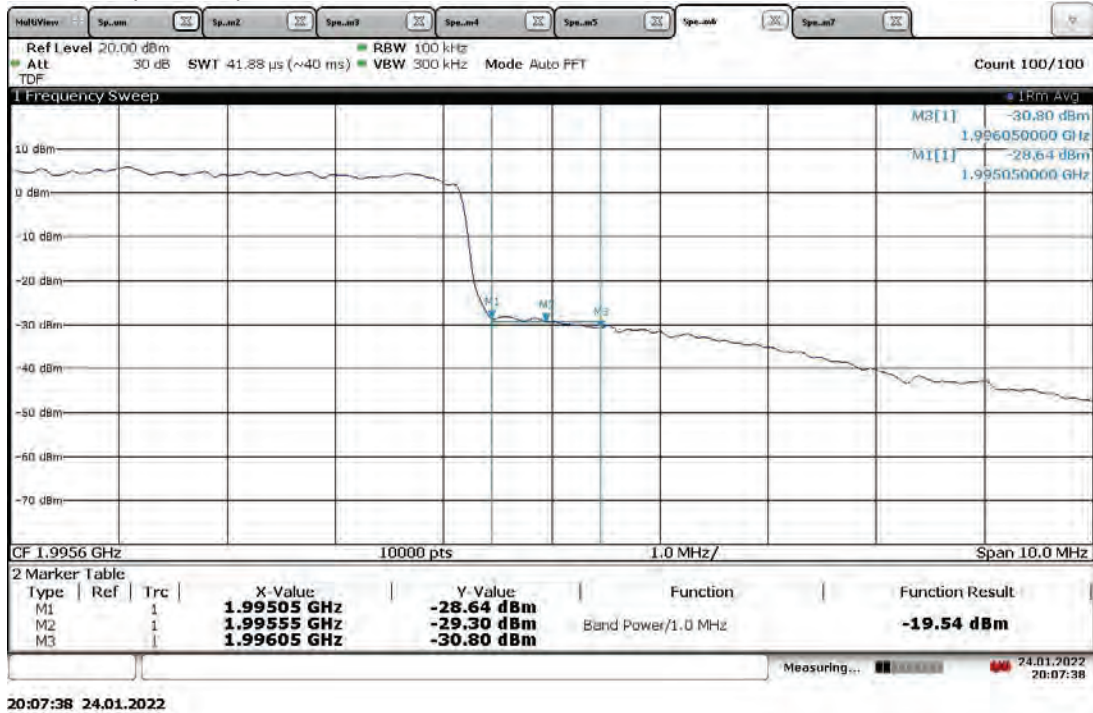
Band Edge Compliant, Lower Band Edge, 1932.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 5 MHz, Modulation: TM1.1-QPSK



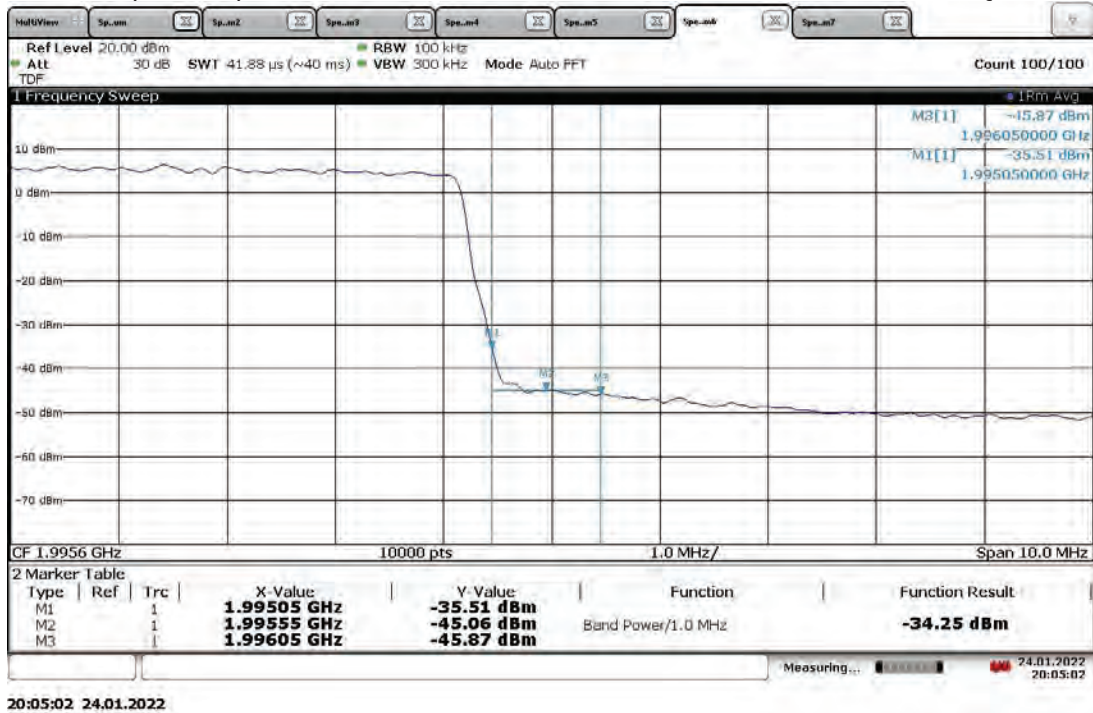
Band Edge Compliant, Lower Band Edge, 1932.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 5 MHz, Modulation: TM1.1-QPSK



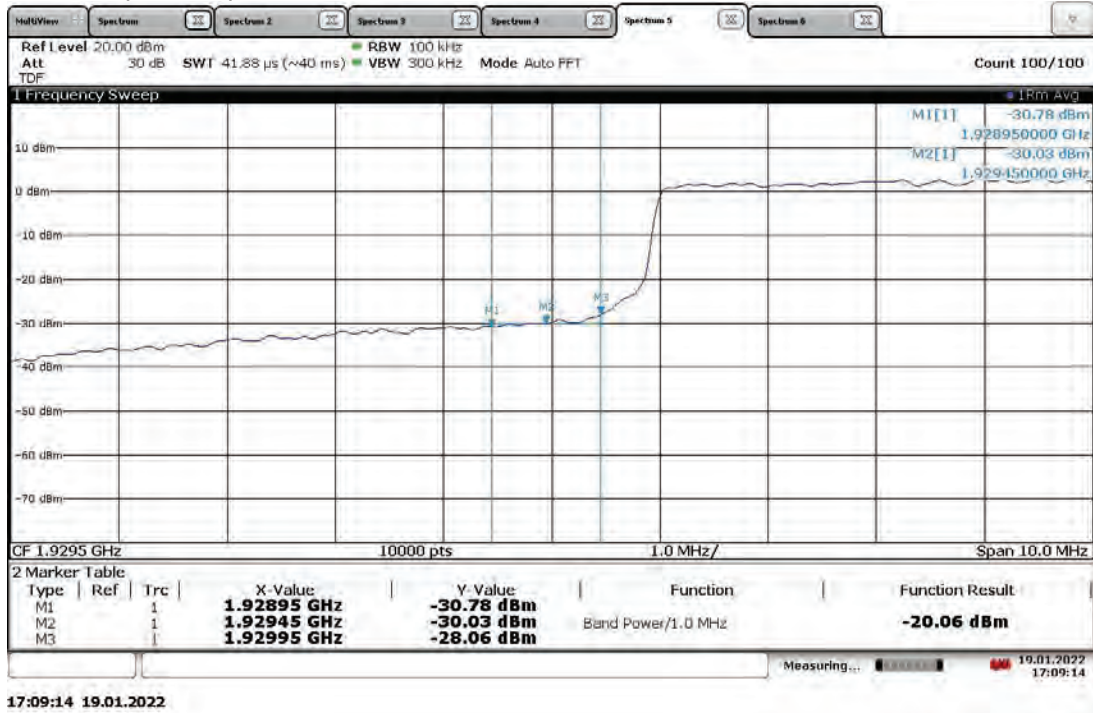
Band Edge Compliant, Upper Band Edge, 1992.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 5 MHz, Modulation: TM1.1-QPSK



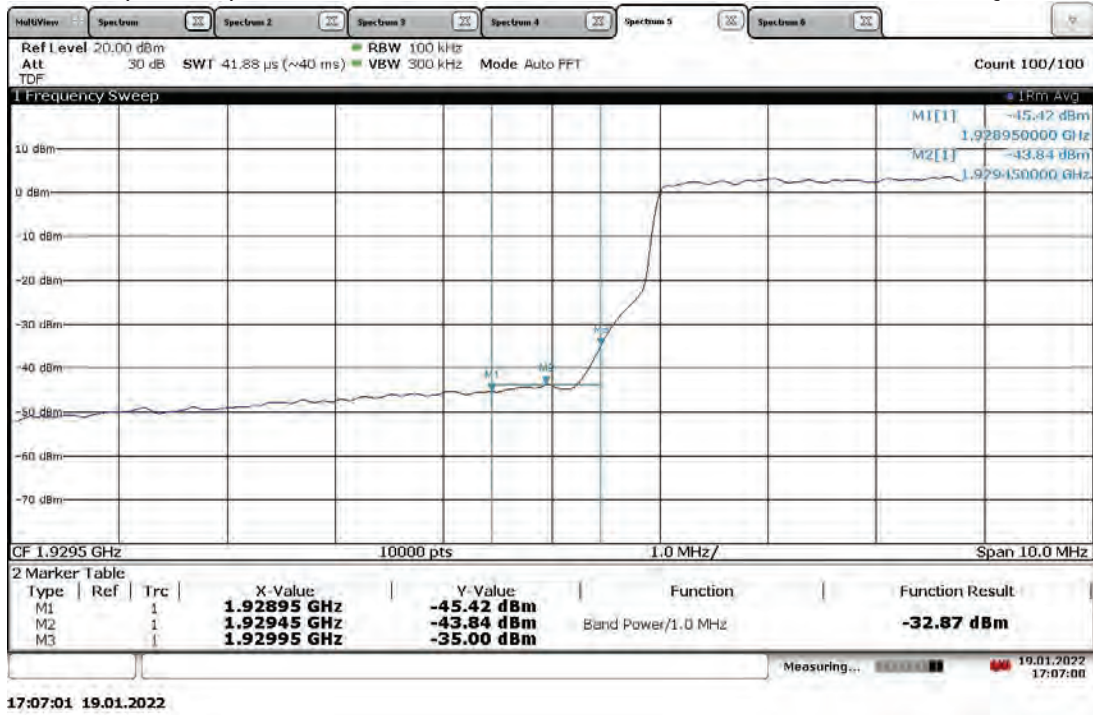
Band Edge Compliant, Upper Band Edge, 1992.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 5 MHz, Modulation: TM1.1-QPSK



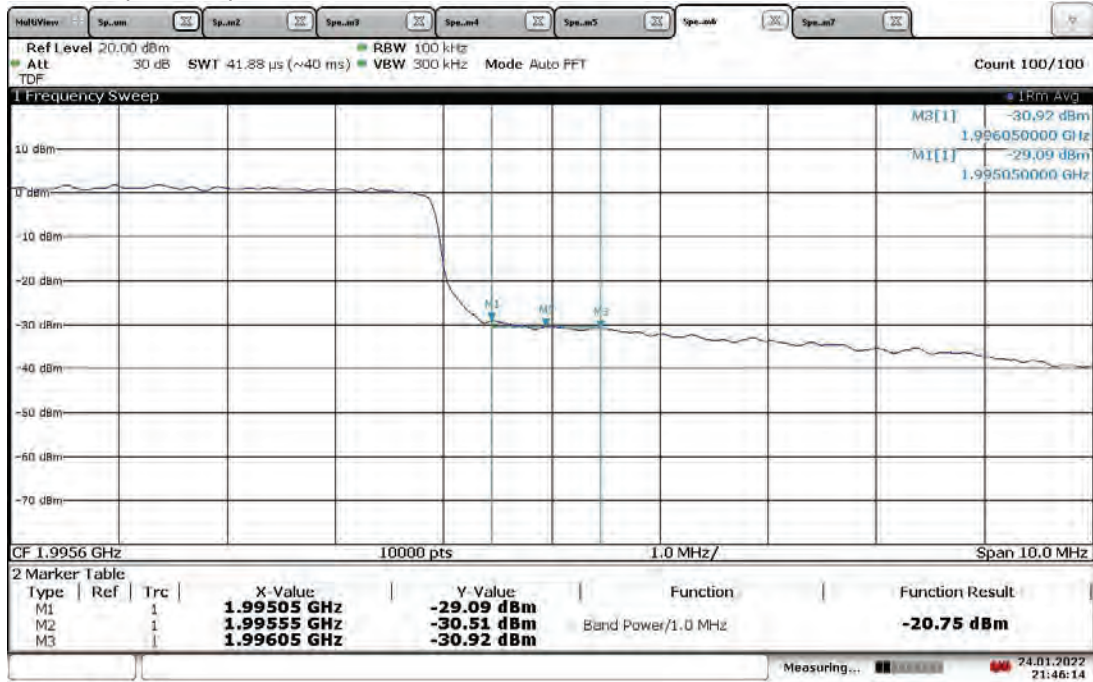
Band Edge Compliant, Lower Band Edge, 1935 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 10 MHz, Modulation: TM1.1-QPSK



Band Edge Compliant, Lower Band Edge, 1935 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 10 MHz, Modulation: TM1.1-QPSK

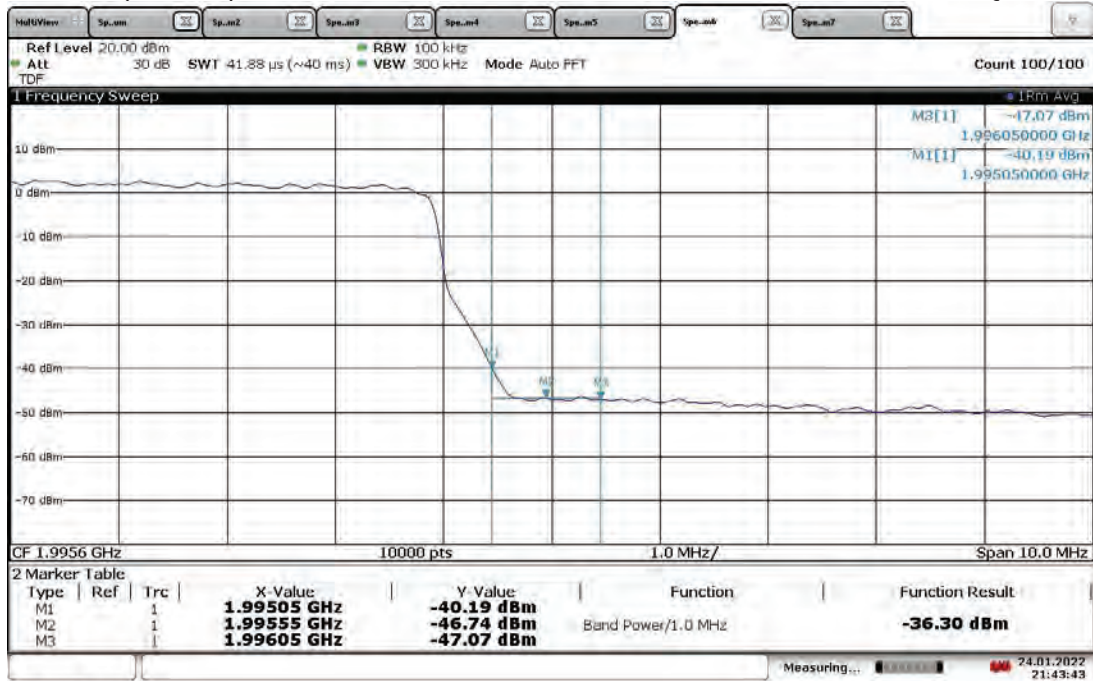


Band Edge Compliant, Upper Edge, 1990 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 10 MHz, Modulation: TM1.1-QPSK



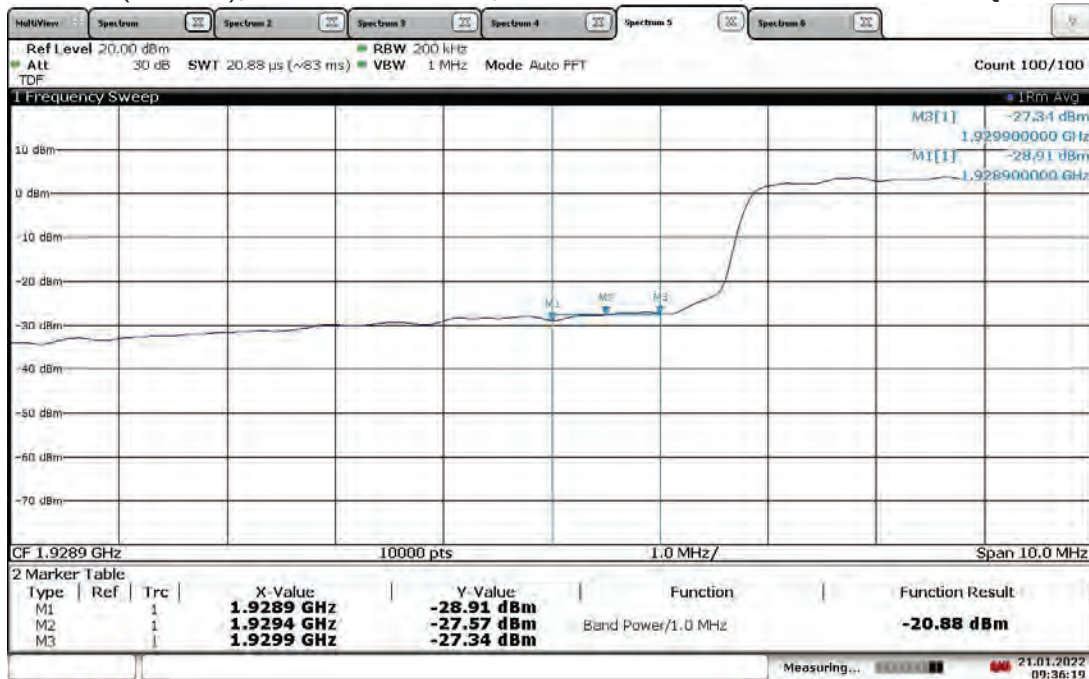
21:46:15 24.01.2022

Band Edge Compliant, Upper Edge, 1990 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 10 MHz, Modulation: TM1.1-QPSK



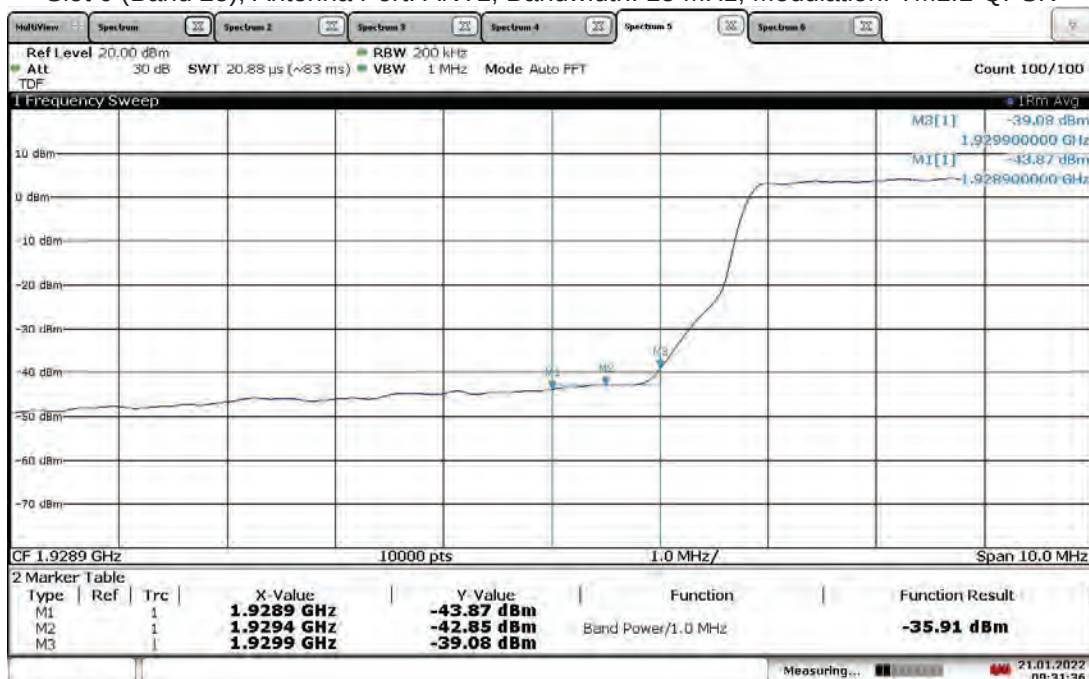
21:43:44 24.01.2022

Band Edge Compliant, Lower Band Edge, 1937.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 15 MHz, Modulation: TM1.1-QPSK



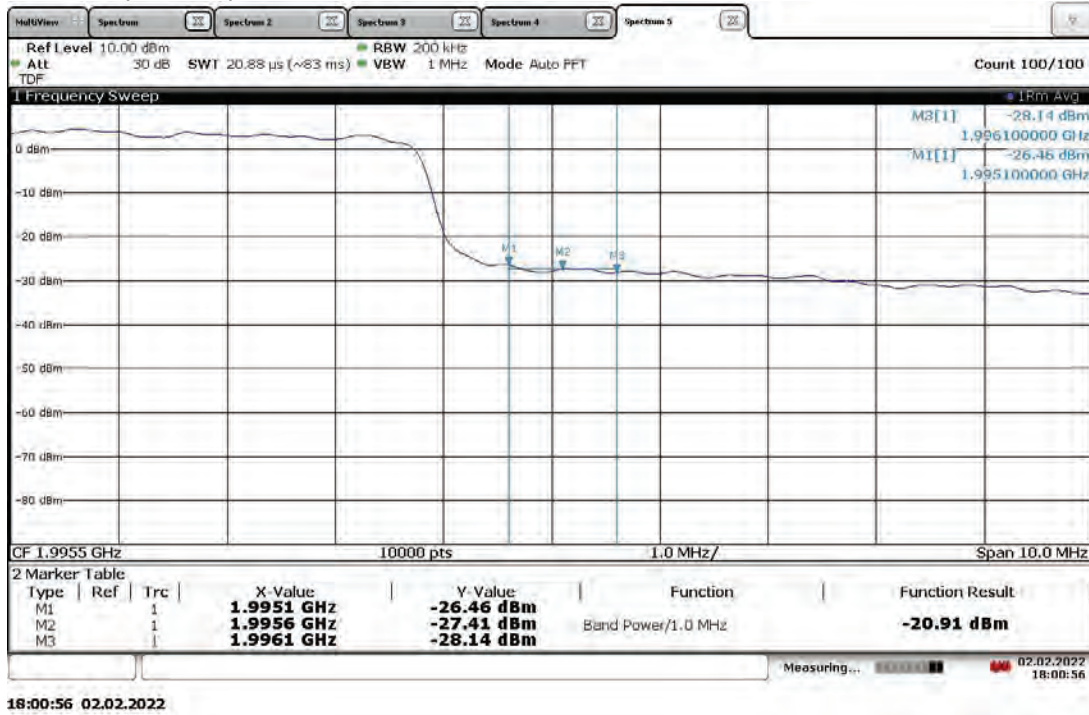
09:36:19 21.01.2022

Band Edge Compliant, Lower Band Edge, 1937.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 15 MHz, Modulation: TM1.1-QPSK

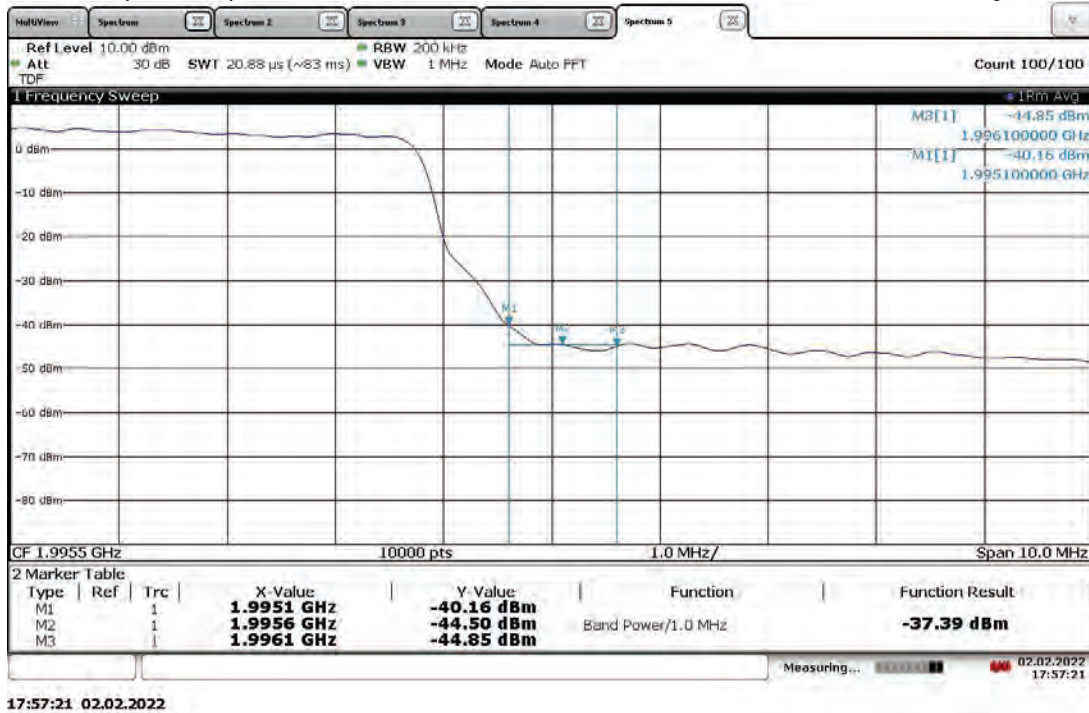


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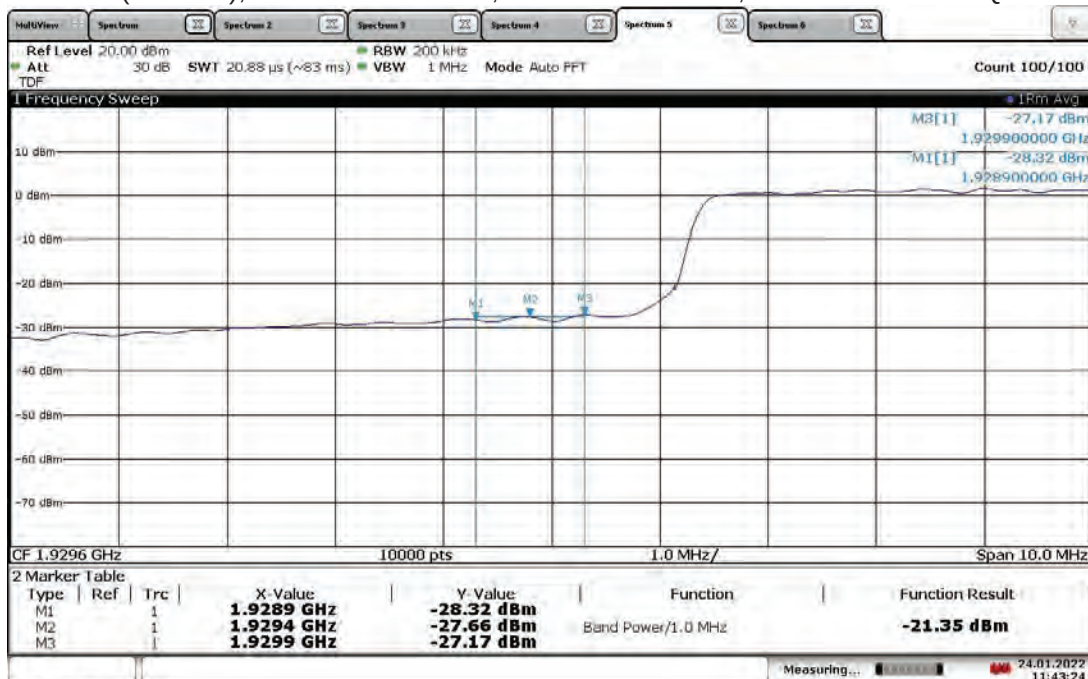
Band Edge Compliant, Upper Band Edge, 1987.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 15 MHz, Modulation: TM1.1-QPSK



Band Edge Compliant, Upper Band Edge, 1987.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 15 MHz, Modulation: TM1.1-QPSK

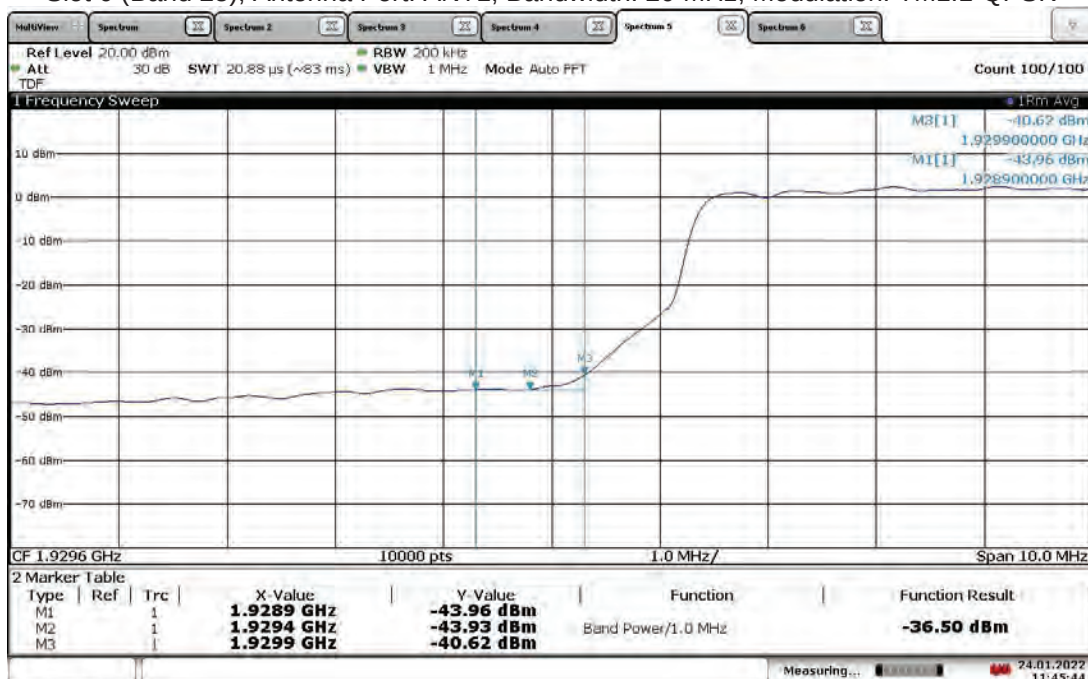


Band Edge Compliant, Lower Band Edge, 1940 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 20 MHz, Modulation: TM1.1-QPSK



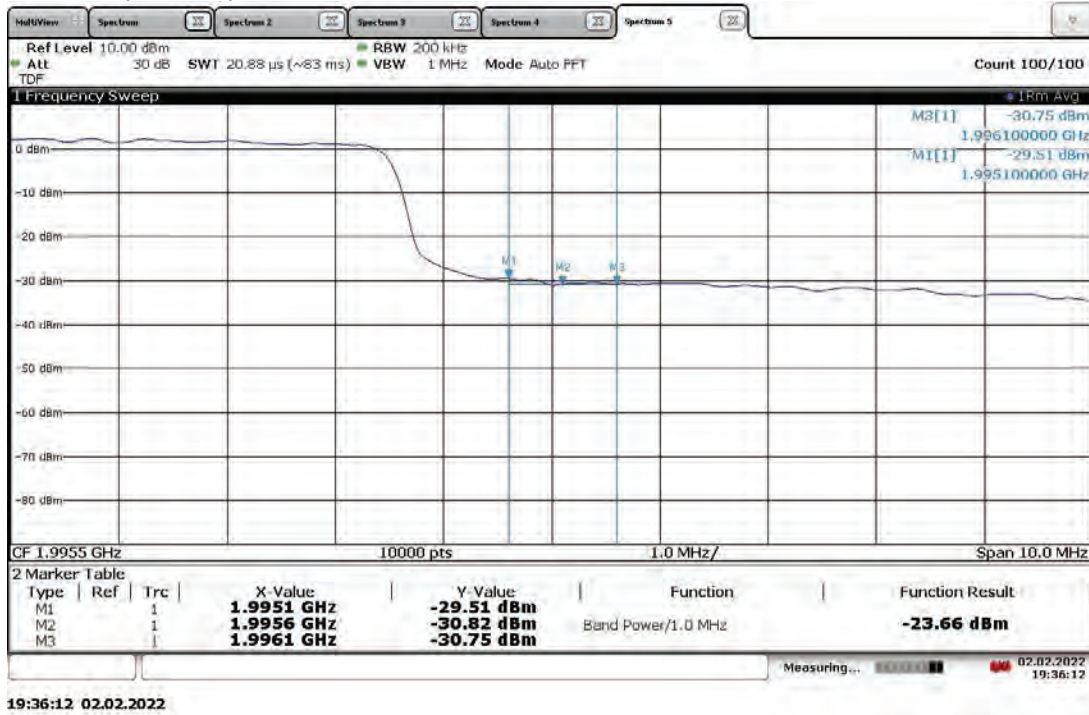
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Band Edge Compliant, Lower Band Edge, 1940 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 20 MHz, Modulation: TM1.1-QPSK

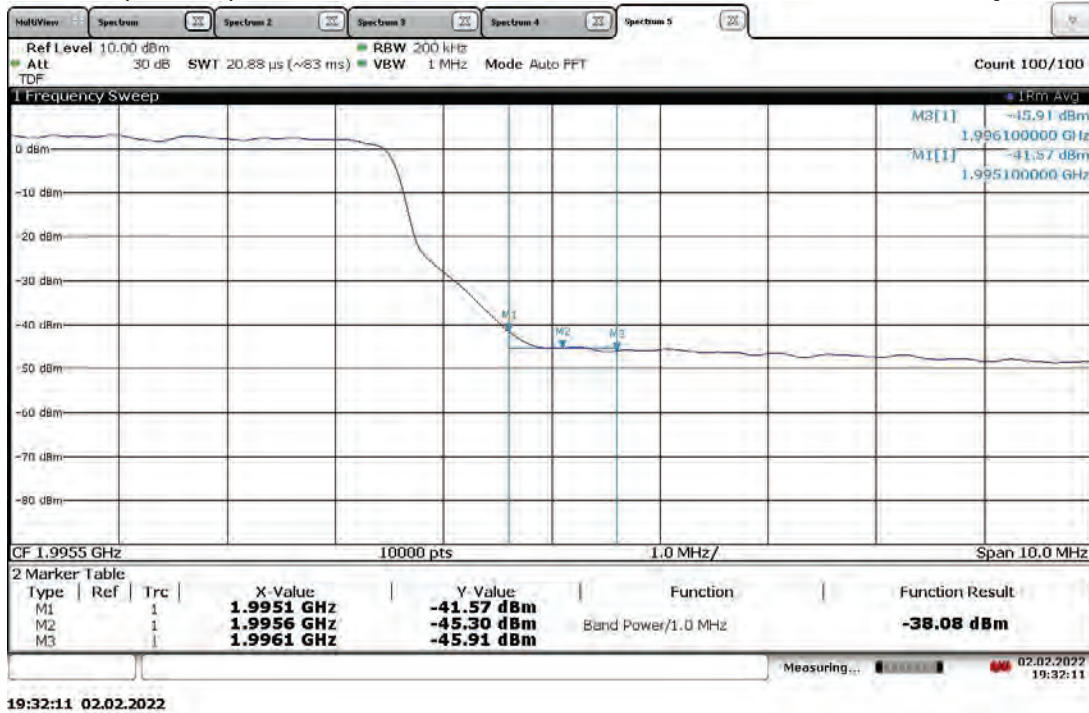


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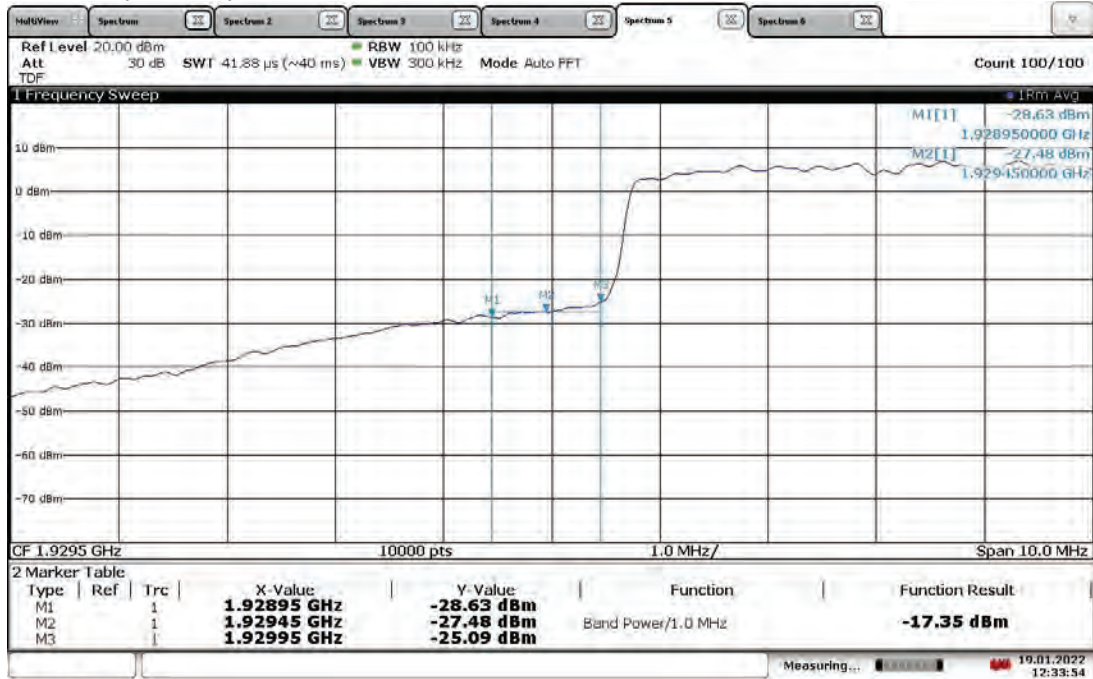
Band Edge Compliant, Upper Band Edge, 1985 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 20 MHz, Modulation: TM1.1-QPSK



Band Edge Compliant, Upper Band Edge, 1985 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 20 MHz, Modulation: TM1.1-QPSK

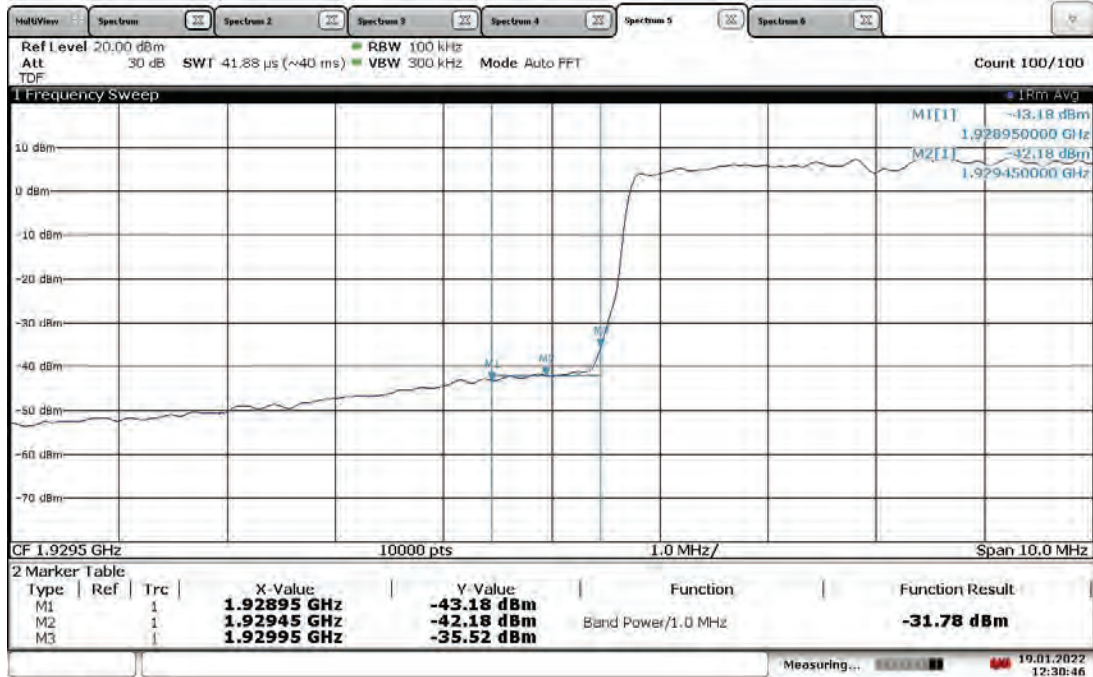


Band Edge Compliant, Lower Band Edge, 1932.5MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 5 MHz, Modulation: TM3.2-16QAM



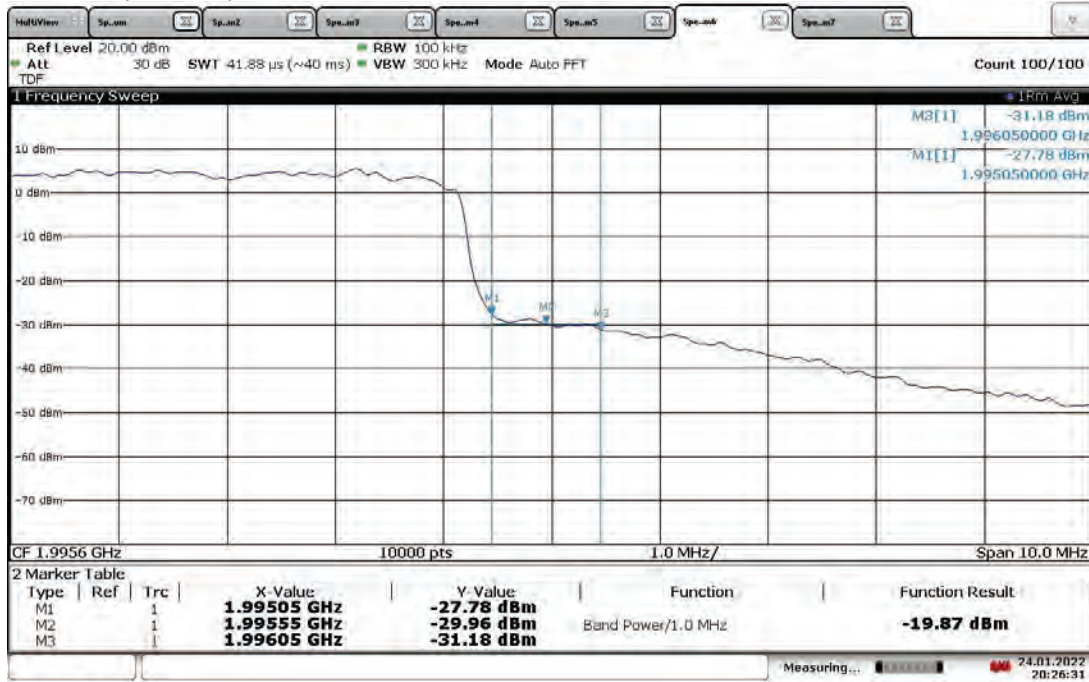
12:33:55 19.01.2022

Band Edge Compliant, Lower Band Edge, 1932.5MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 5 MHz, Modulation: TM3.2-16QAM



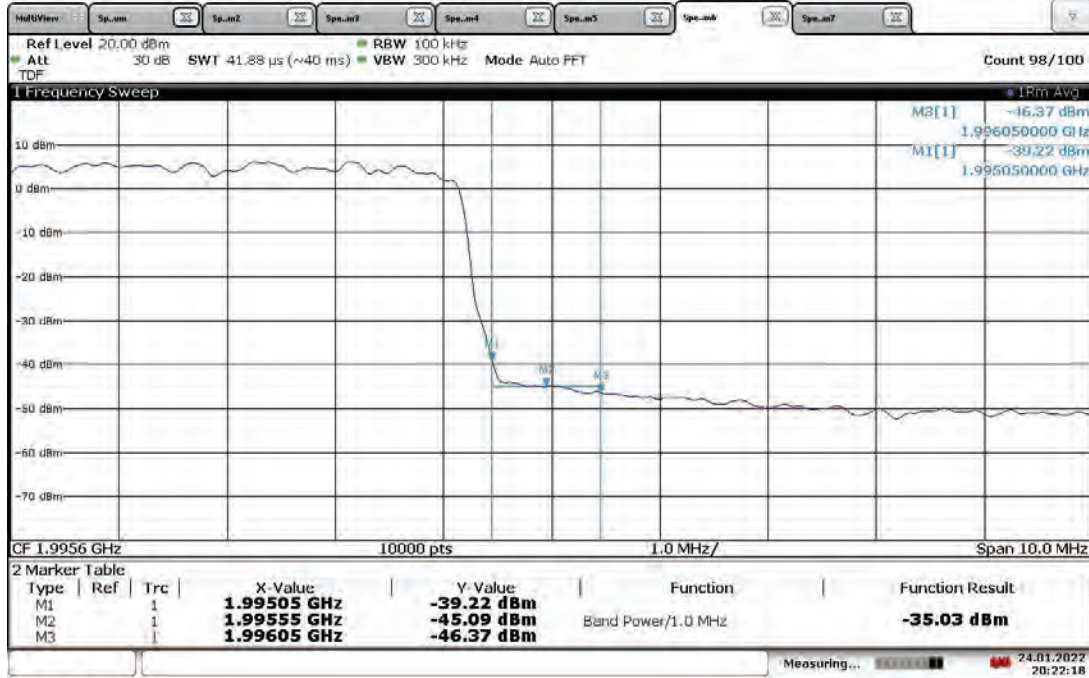
12:30:46 19.01.2022

Band Edge Compliant, Upper Band Edge, 1992.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 5 MHz, Modulation: TM3.2-16QAM

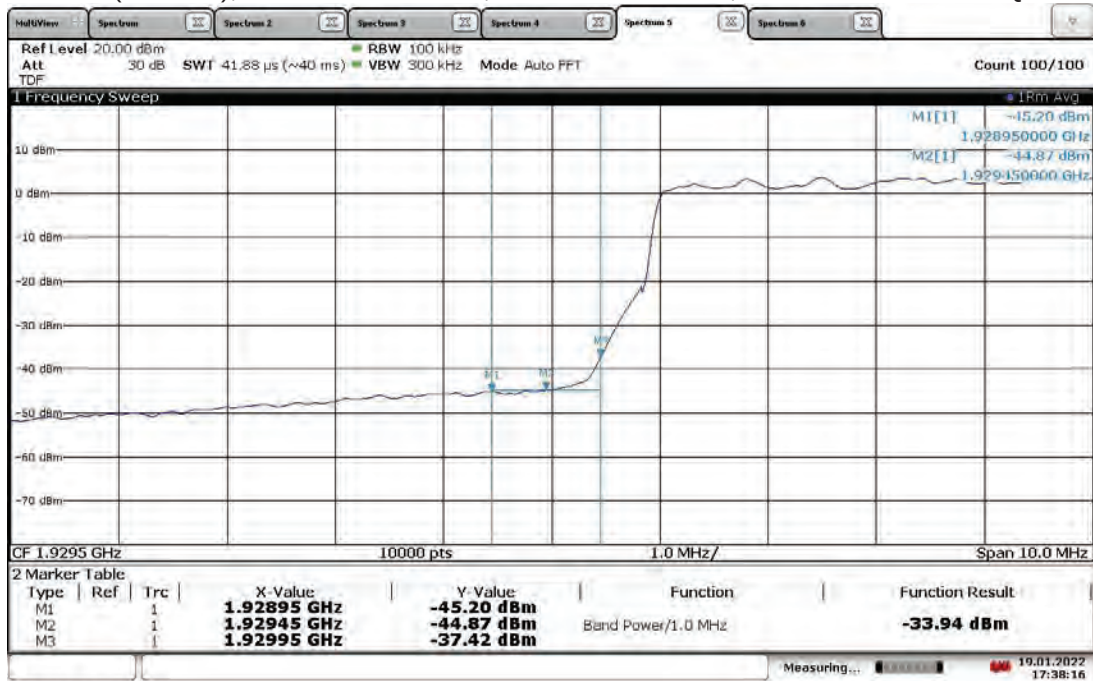


20:26:32 24.01.2022

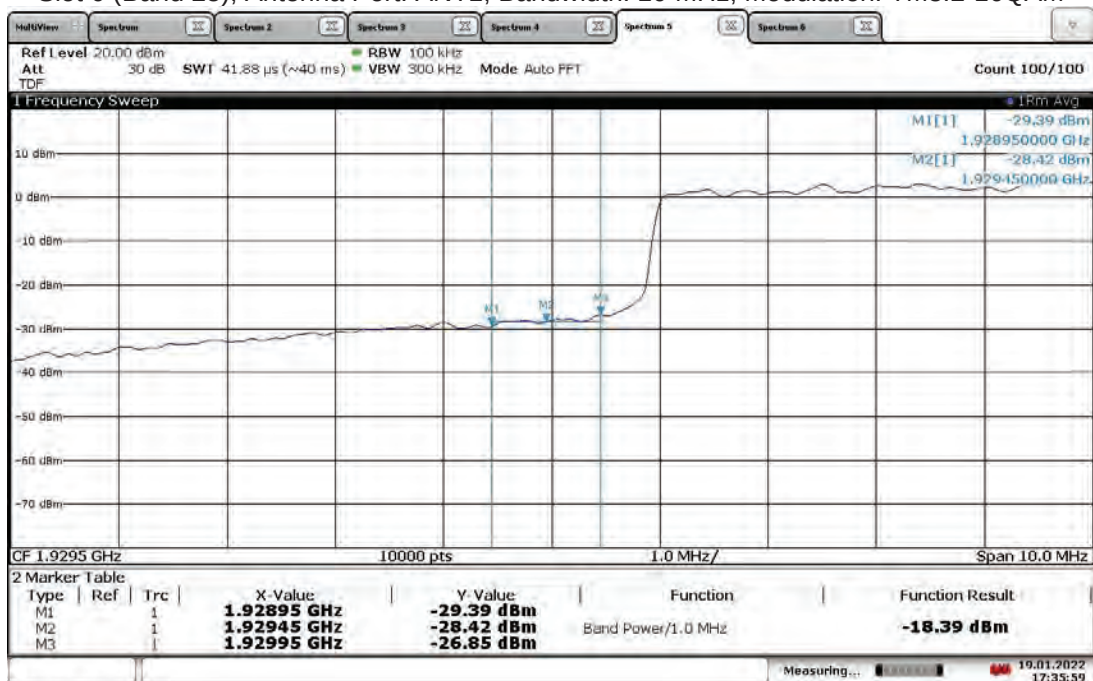
Band Edge Compliant, Upper Band Edge, 1992.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT, Bandwidth: 5 MHz, Modulation: TM3.2-16QAM



20:22:19 24.01.2022

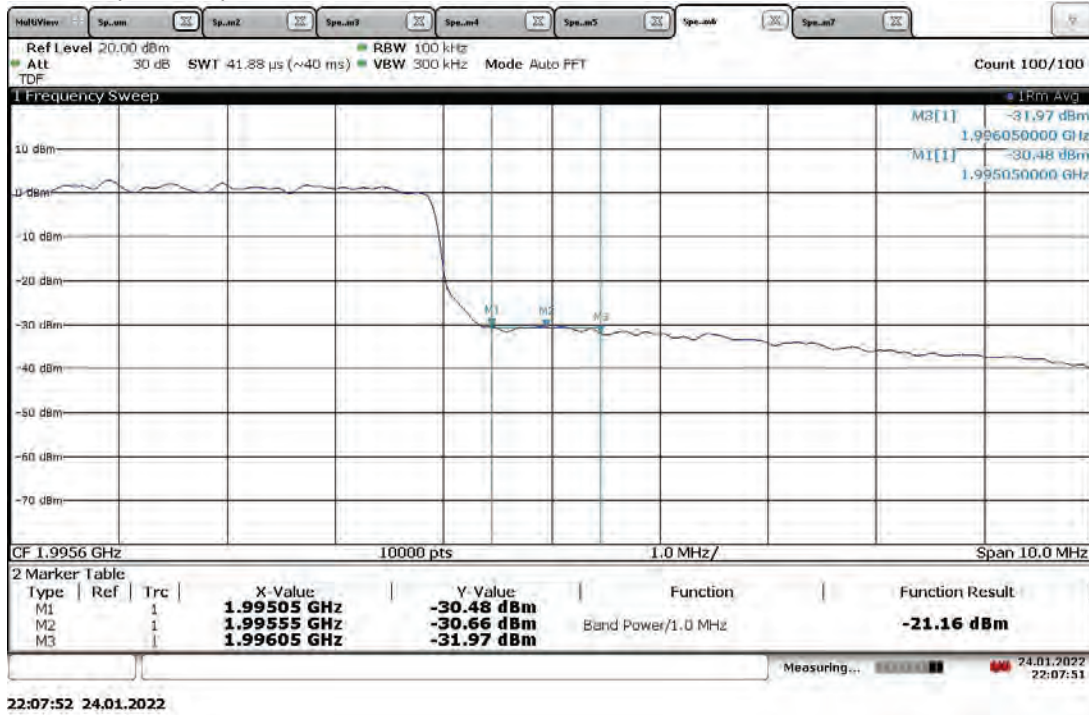
Band Edge Compliant, Lower Band Edge, 1935 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 10 MHz, Modulation: TM3.2-16QAM

17:38:16 19.01.2022

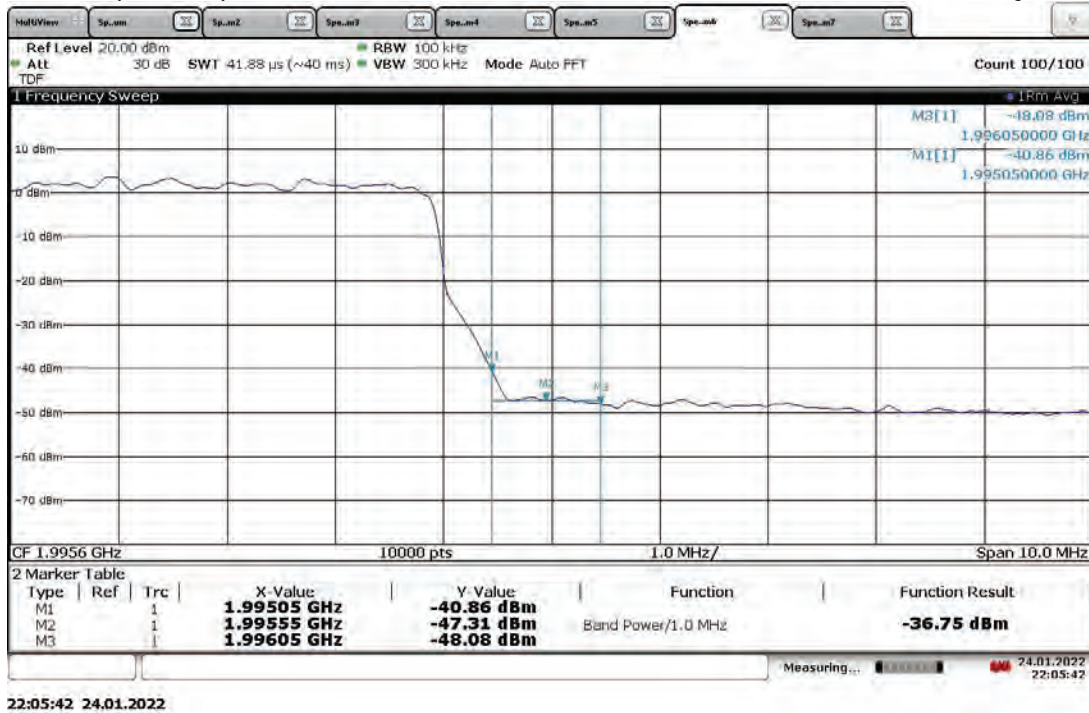
Band Edge Compliant, Lower Band Edge, 1935 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 10 MHz, Modulation: TM3.2-16QAM

17:36:00 19.01.2022

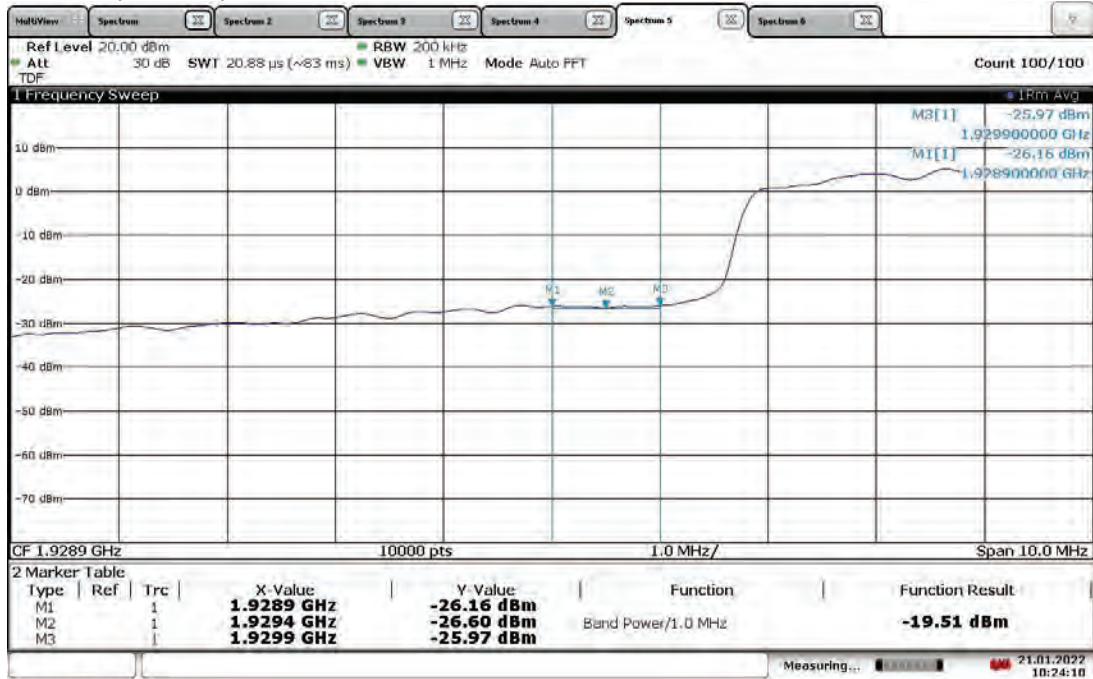
Band Edge Compliant, Upper Band Edge, 1990 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 10 MHz, Modulation: TM3.2-16QAM



Band Edge Compliant, Upper Band Edge, 1990 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 10 MHz, Modulation: TM3.2-16QAM

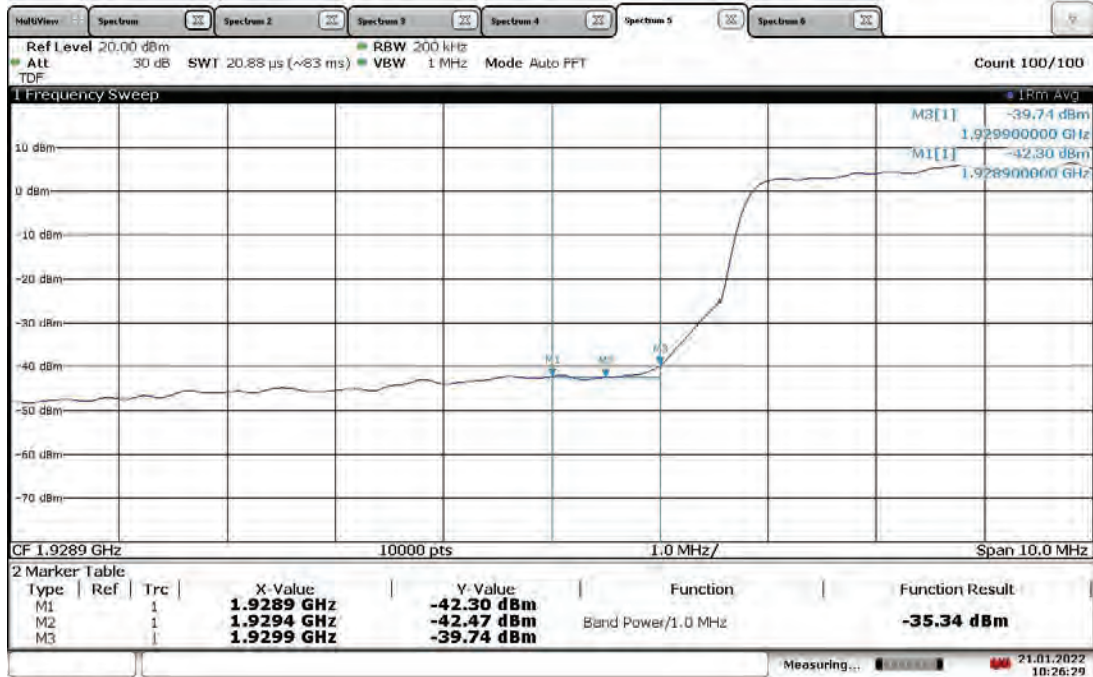


Band Edge Compliant, Lower Band Edge, 1937.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 15 MHz, Modulation: TM3.2-16QAM



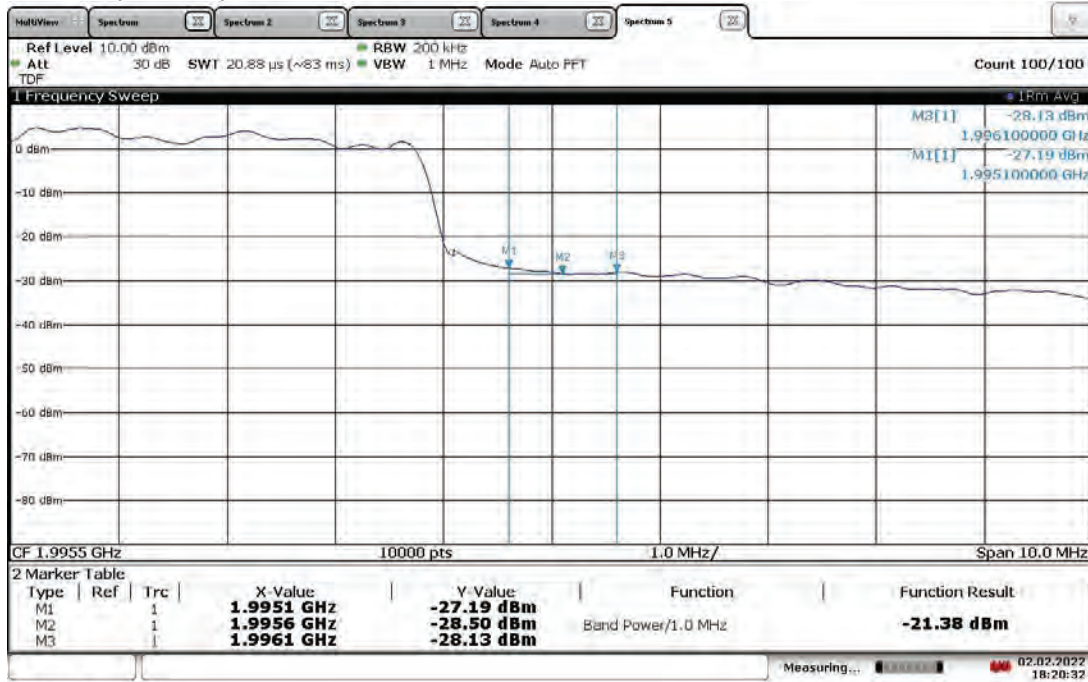
10:24:10 21.01.2022

Band Edge Compliant, Lower Band Edge, 1937.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 15 MHz, Modulation: TM3.2-16QAM



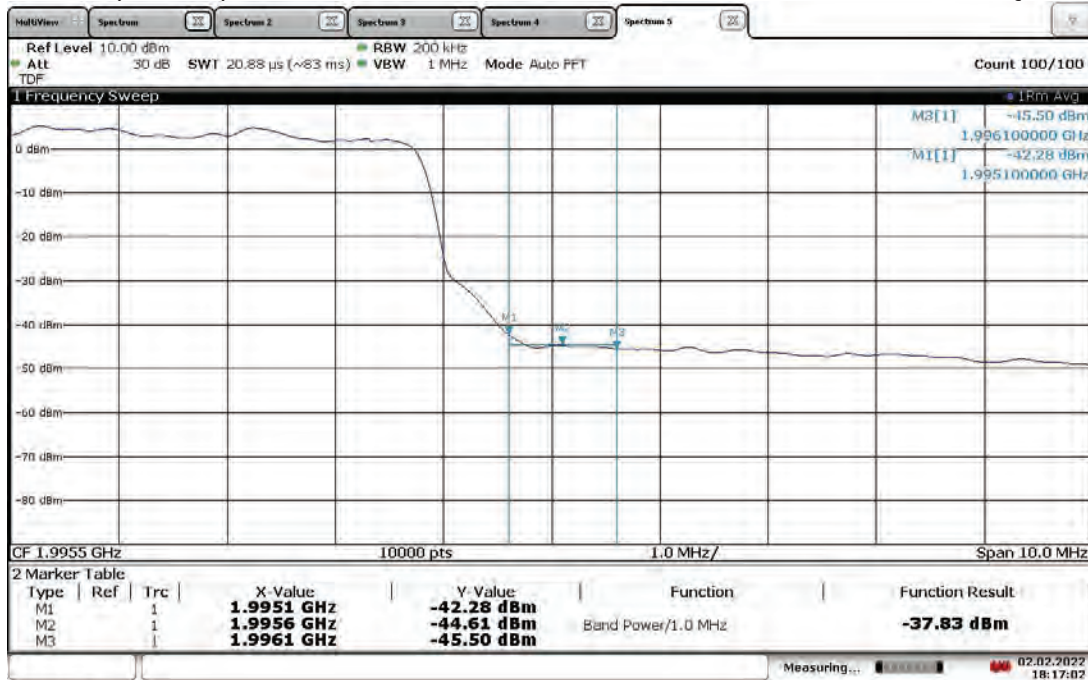
10:26:30 21.01.2022

Band Edge Compliant, Upper Band Edge, 1987.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 15 MHz, Modulation: TM3.2-16QAM



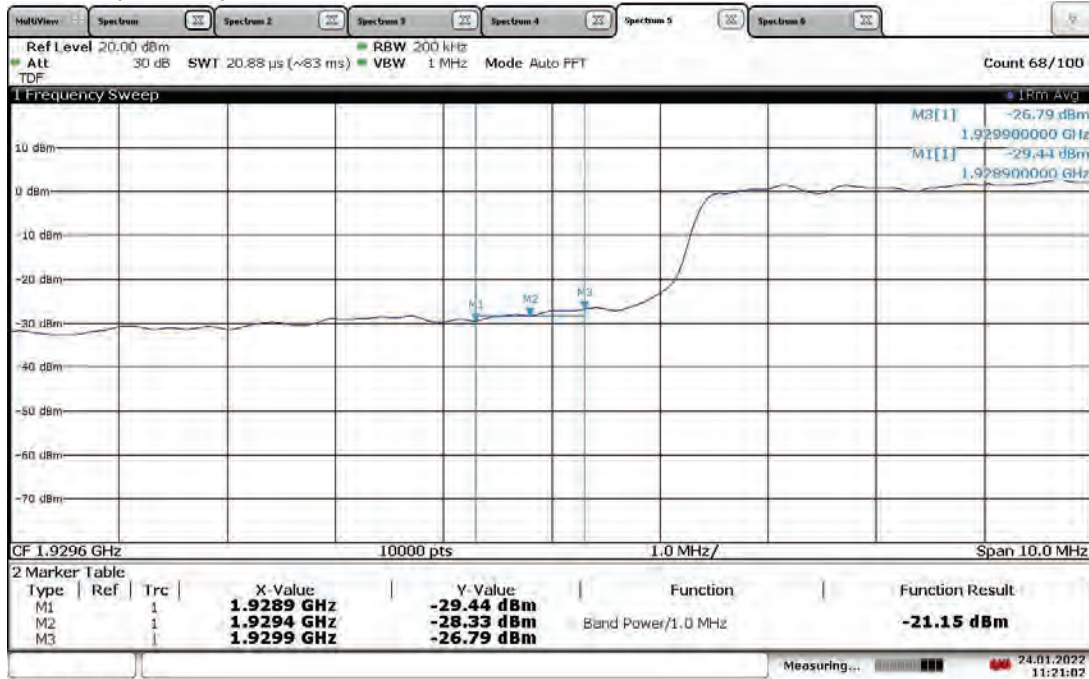
18:20:33 02.02.2022

Band Edge Compliant, Upper Band Edge, 1987.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 15 MHz, Modulation: TM3.2-16QAM



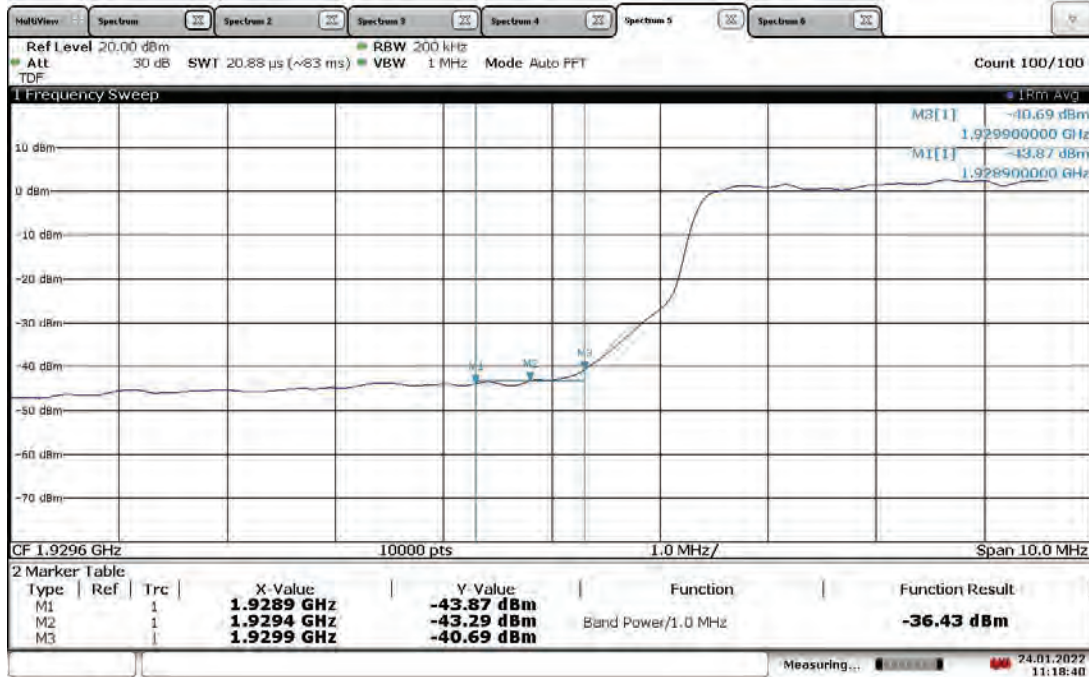
18:17:02 02.02.2022

Band Edge Compliant, Lower Band Edge, 1940 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 20 MHz, Modulation: TM3.2-16QAM



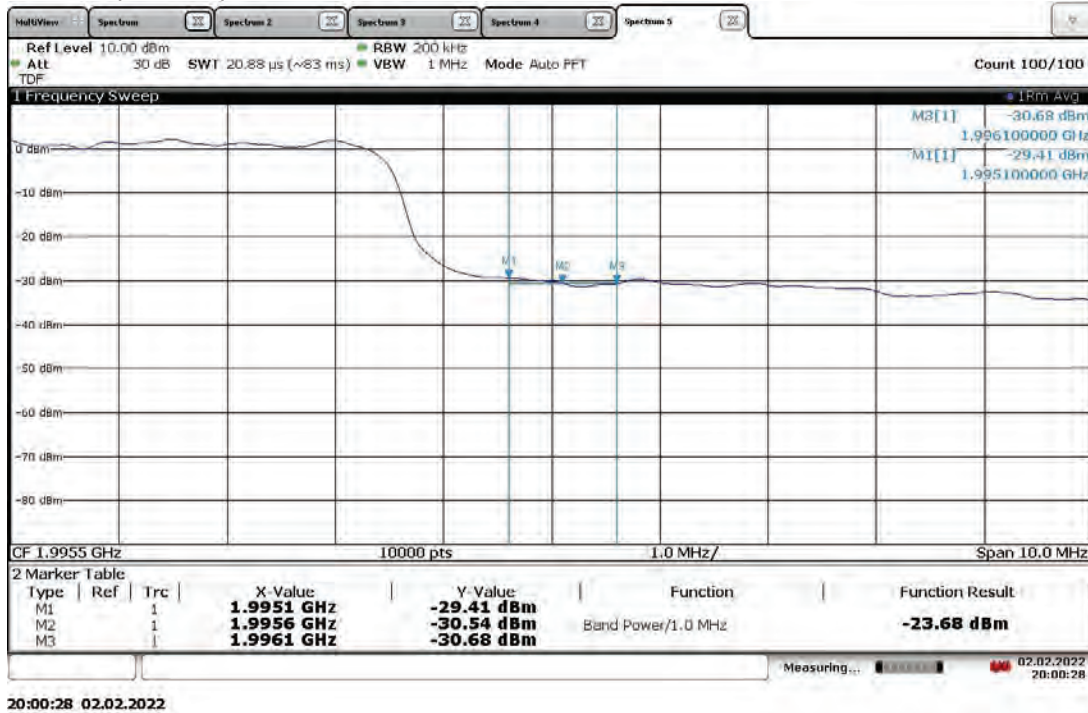
11:21:02 24.01.2022

Band Edge Compliant, Lower Band Edge, 1940 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 20 MHz, Modulation: TM3.2-16QAM

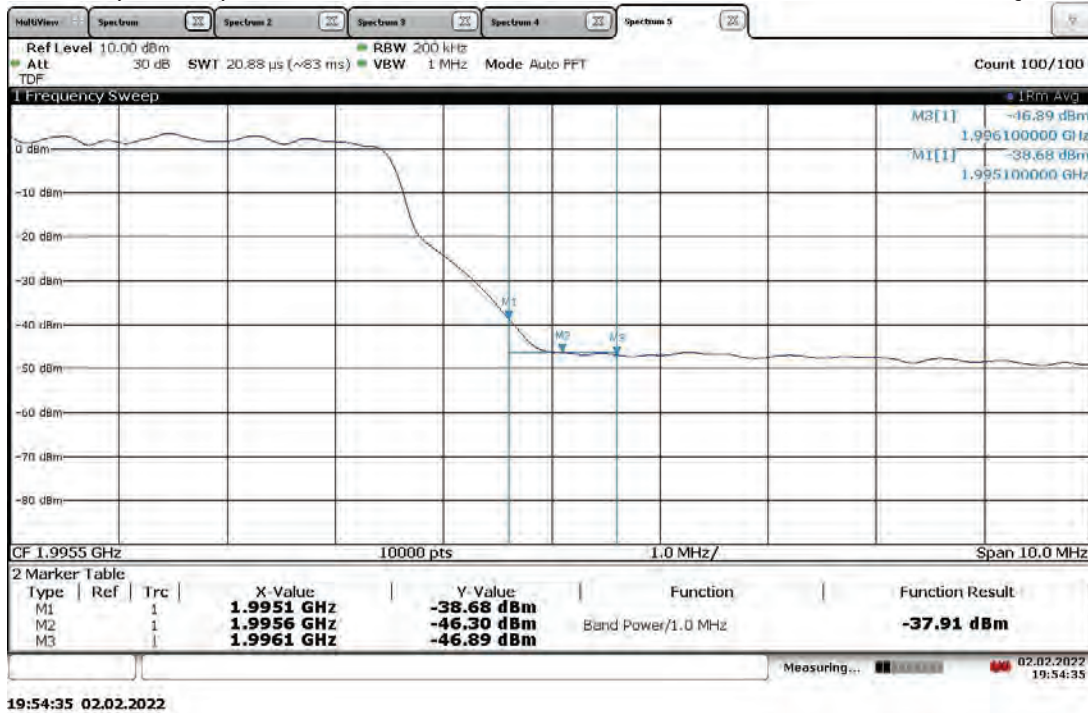


11:18:41 24.01.2022

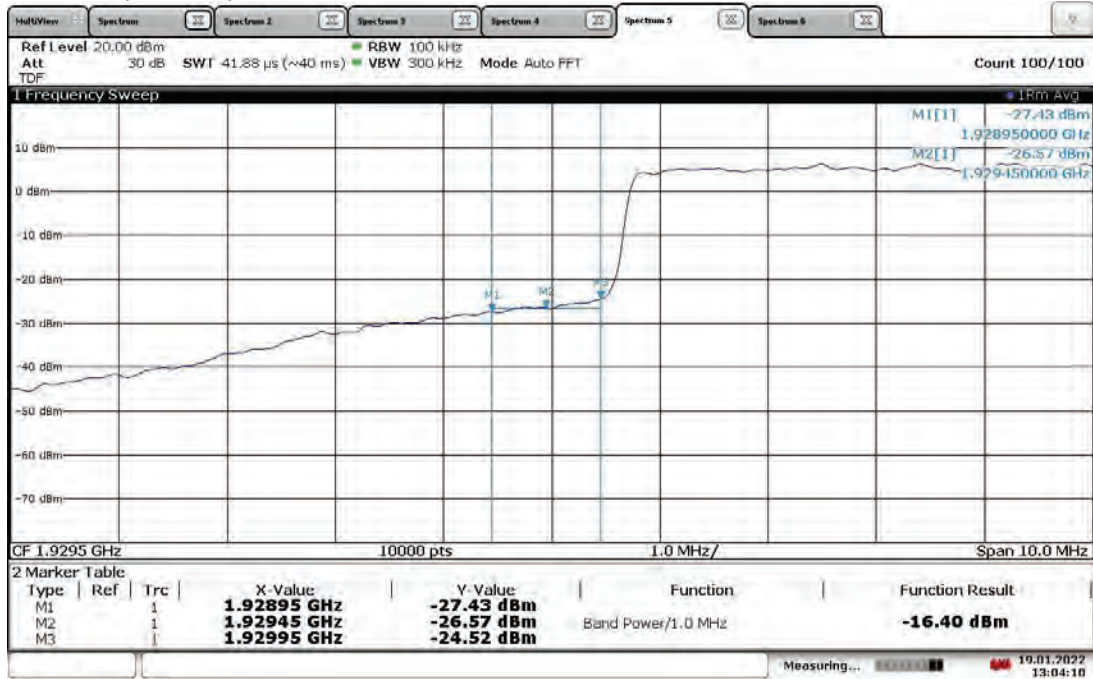
Band Edge Compliant, Upper Band Edge, 1985 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 20 MHz, Modulation: TM3.2-16QAM



Band Edge Compliant, Upper Band Edge, 1985 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 20 MHz, Modulation: TM3.2-16QAM

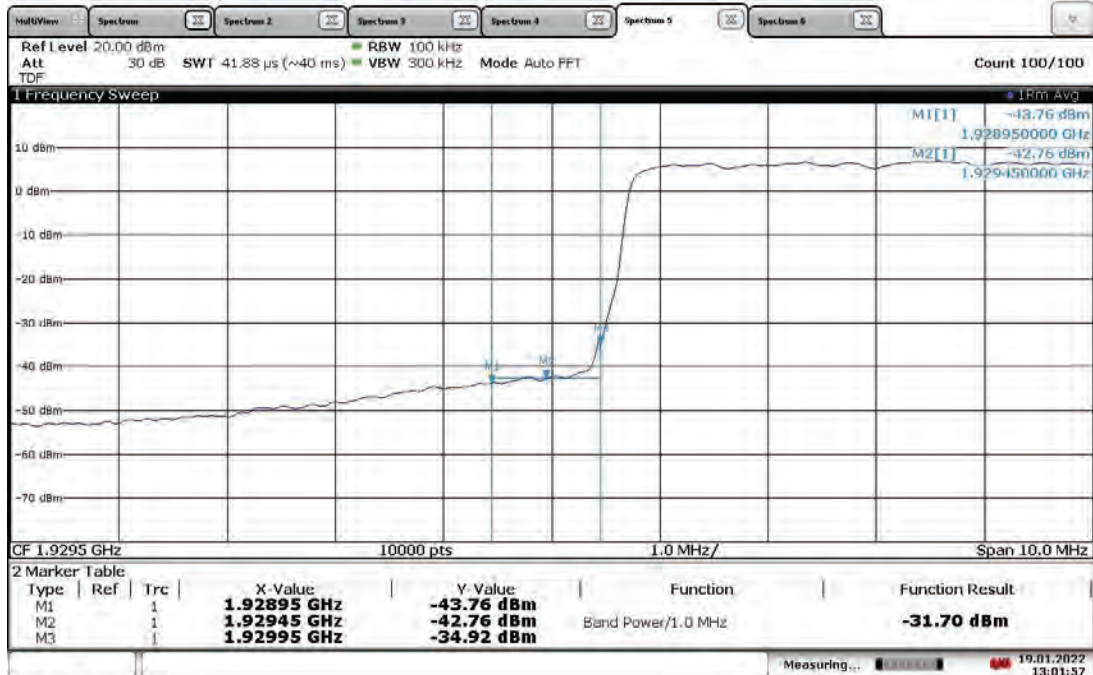


Band Edge Compliant, Lower Band Edge, 1932.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 5 MHz, Modulation: TM3.1-64QAM



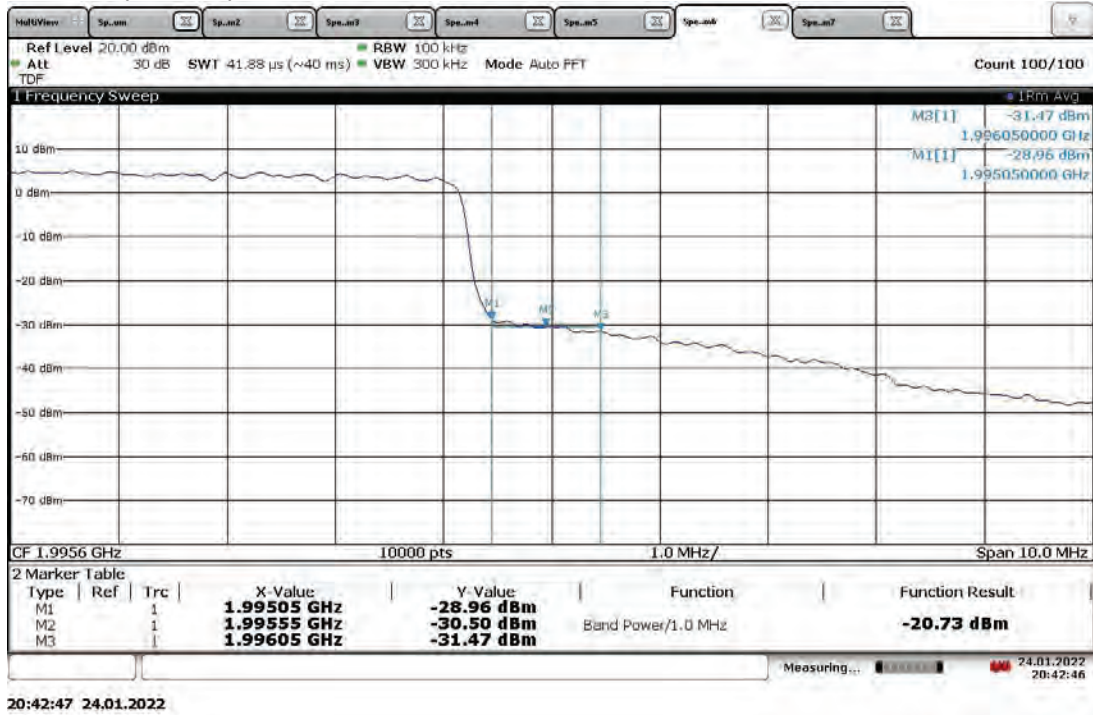
13:04:10 19.01.2022

Band Edge Compliant, Lower Band Edge, 1932.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 5 MHz, Modulation: TM3.1-64QAM

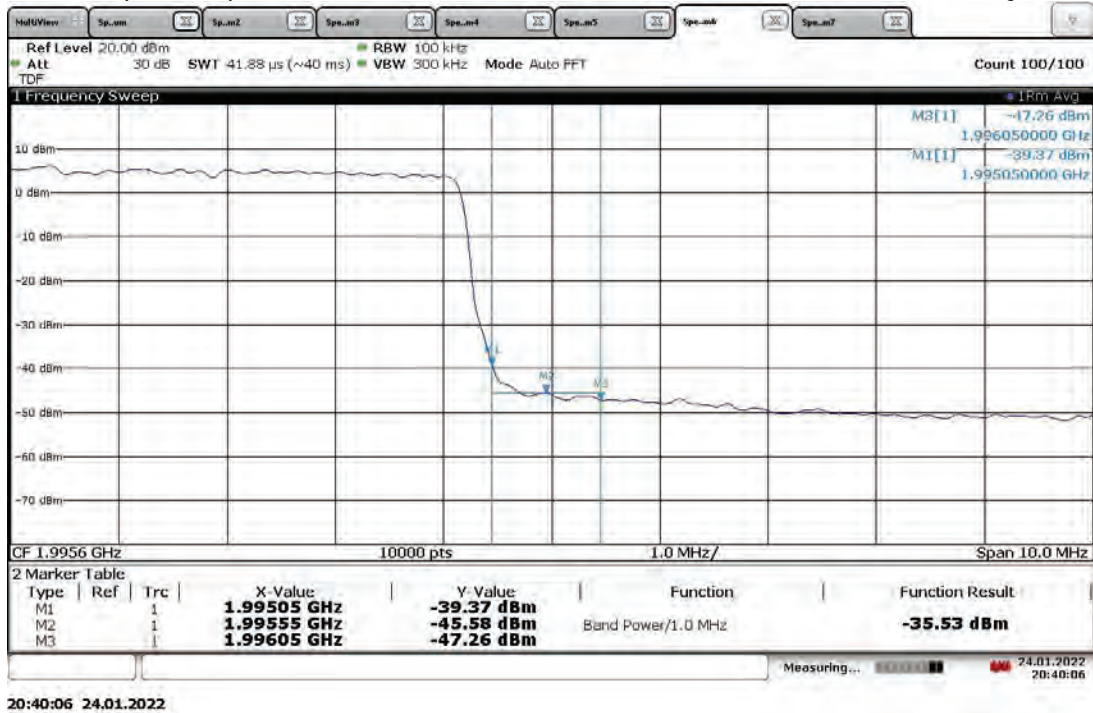


13:01:58 19.01.2022

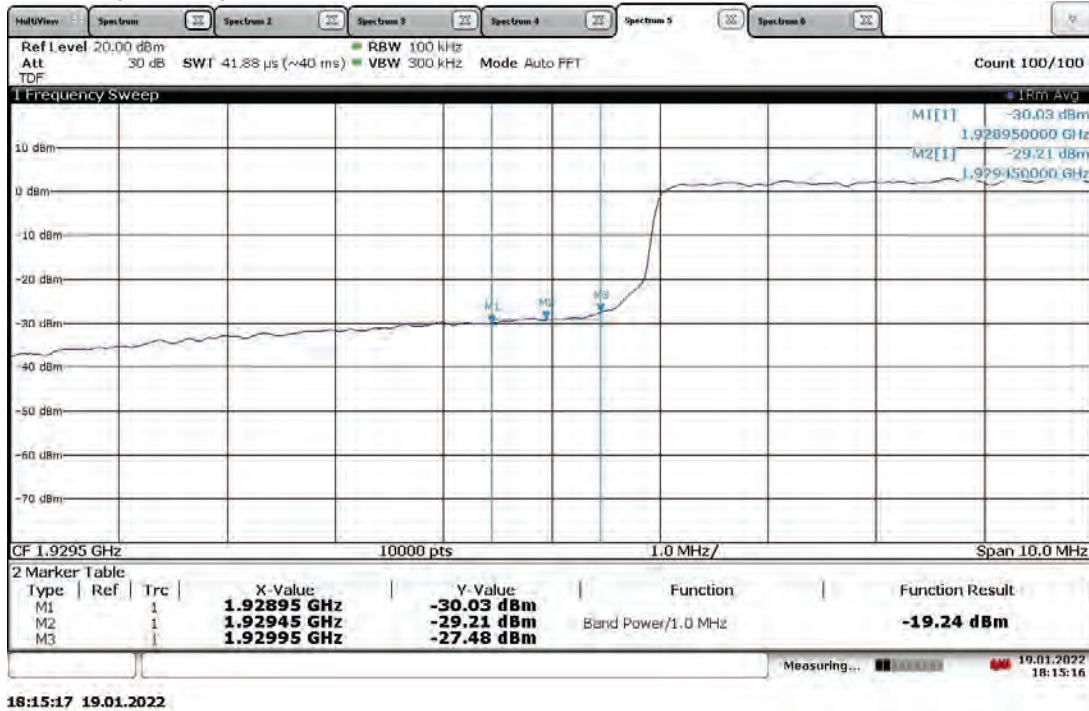
Band Edge Compliant, Upper Band Edge, 1992.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 5 MHz, Modulation: TM3.1-64QAM



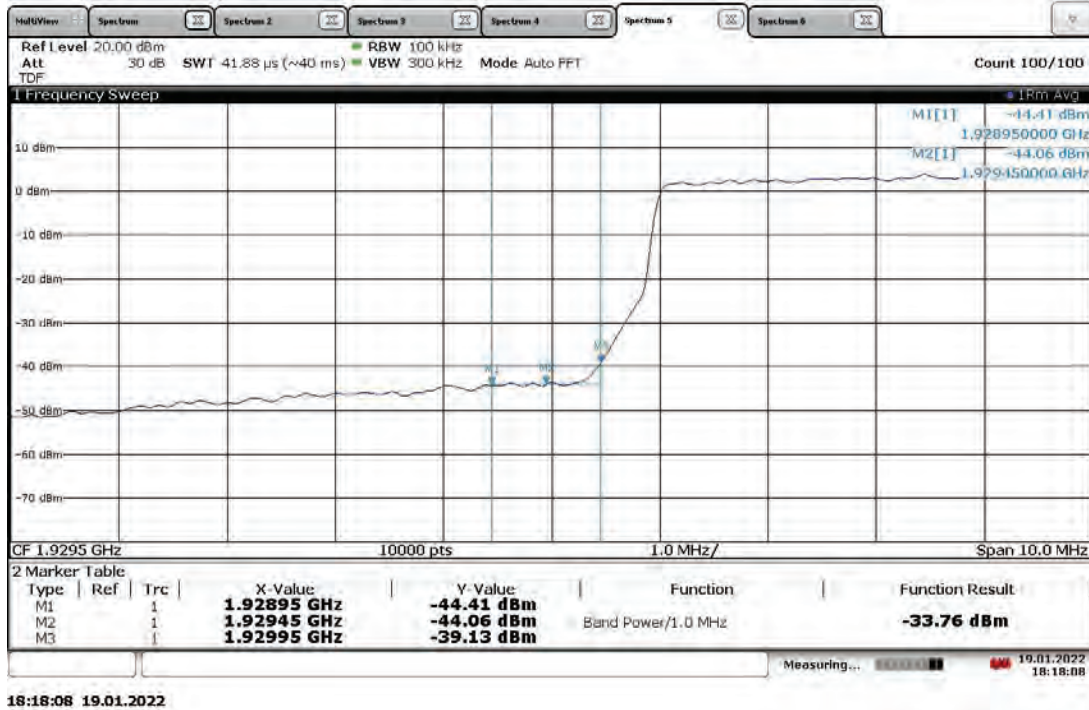
Band Edge Compliant, Upper Band Edge, 1992.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 5 MHz, Modulation: TM3.1-64QAM



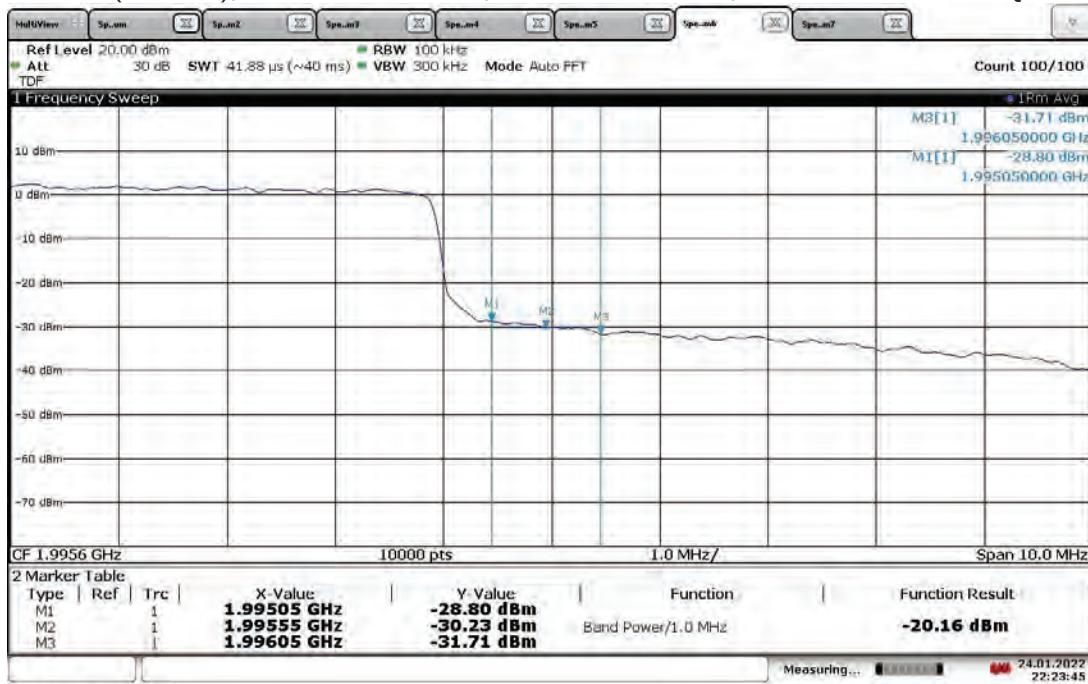
Band Edge Compliant, Lower Band Edge, 1935 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 10 MHz, Modulation: TM3.1-64QAM



Band Edge Compliant, Lower Band Edge, 1935 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 10 MHz, Modulation: TM3.1-64QAM

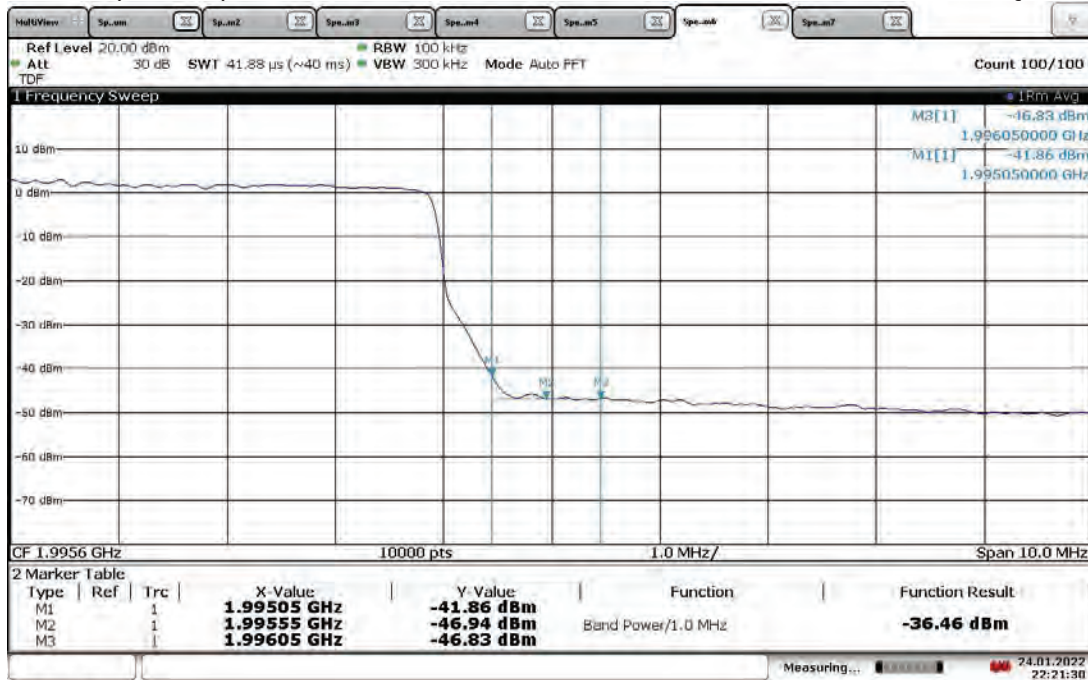


Band Edge Compliant, Upper Band Edge, 1990 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 10 MHz, Modulation: TM3.1-64QAM



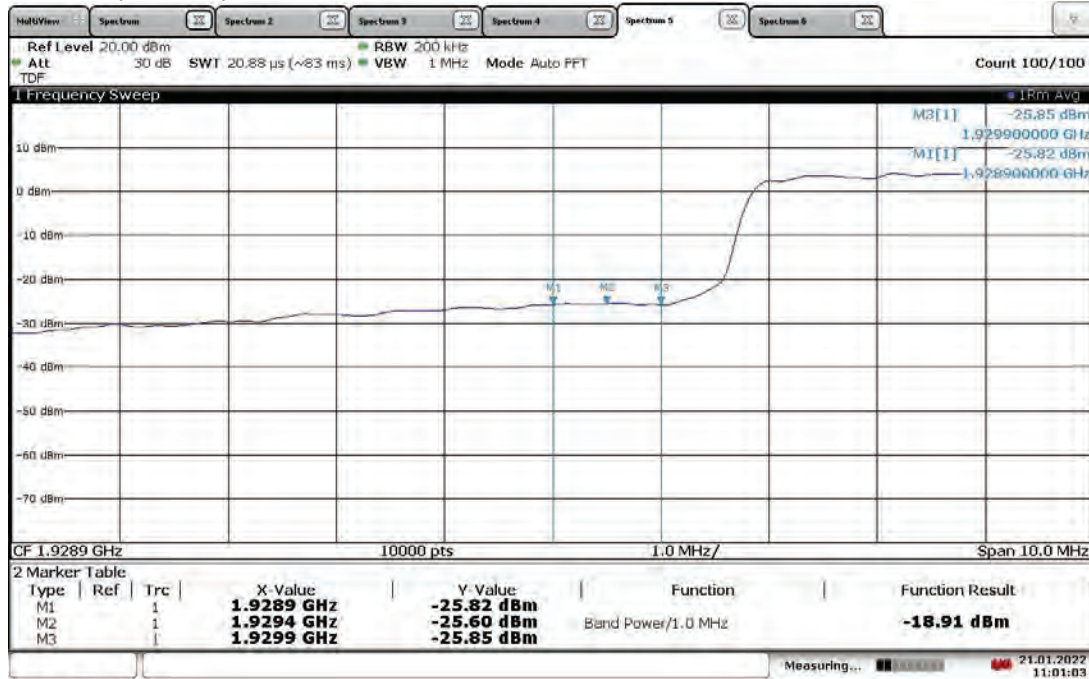
22:23:45 24.01.2022

Band Edge Compliant, Upper Band Edge, 1990 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 10 MHz, Modulation: TM3.1-64QAM



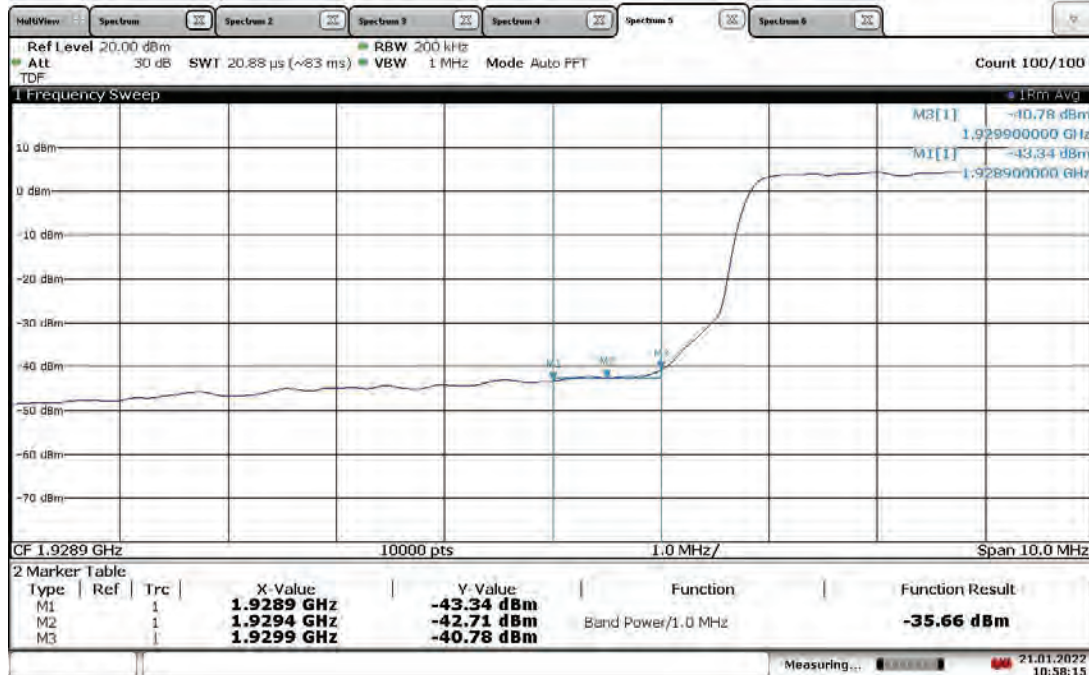
22:21:30 24.01.2022

Band Edge Compliant, Lower Band Edge, 1937.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 15 MHz, Modulation: TM3.1-64QAM



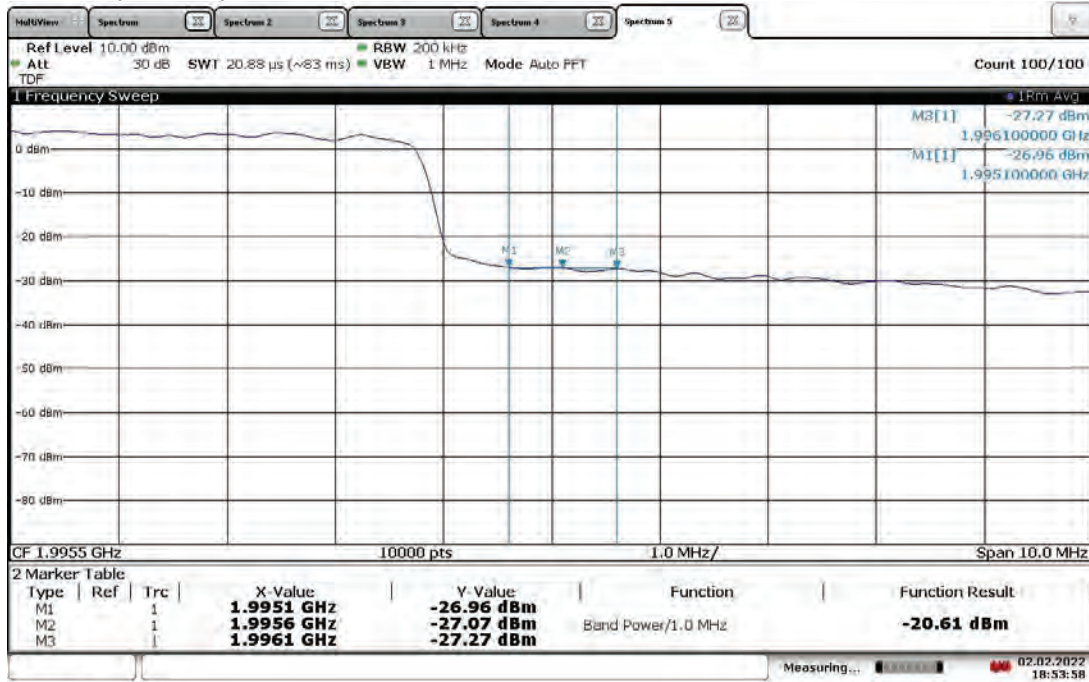
11:01:03 21.01.2022

Band Edge Compliant, Lower Band Edge, 1937.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 15 MHz, Modulation: TM3.1-64QAM



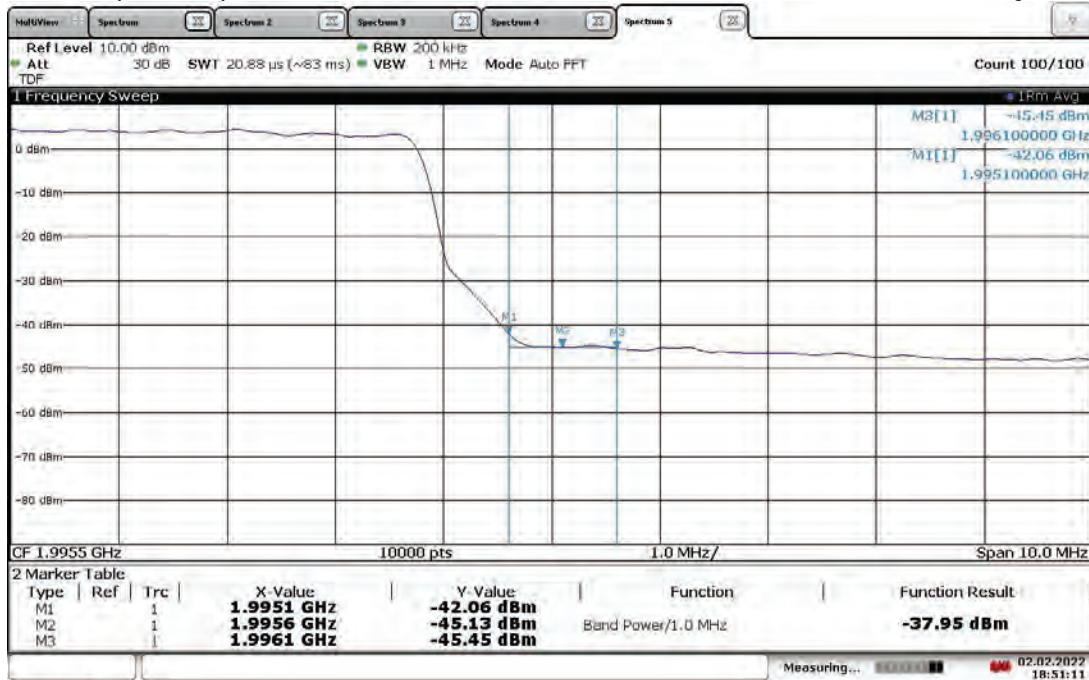
10:58:15 21.01.2022

Band Edge Compliant, Upper Band Edge, 1987.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 15 MHz, Modulation: TM3.1-64QAM



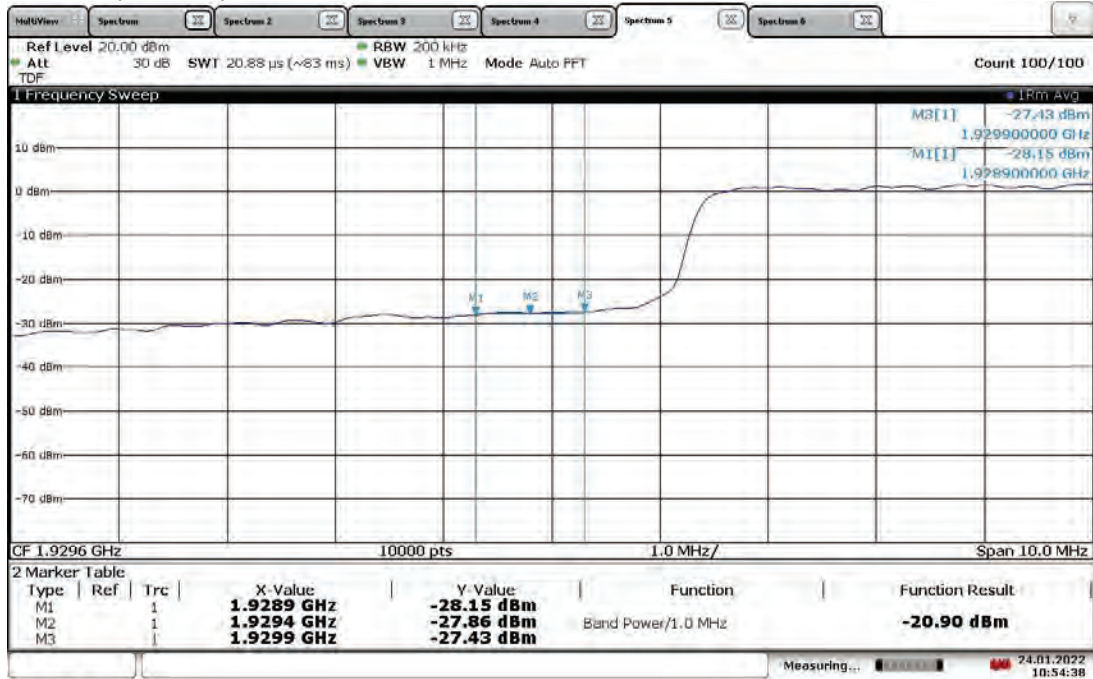
18:53:58 02.02.2022

Band Edge Compliant, Upper Band Edge, 1987.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 15 MHz, Modulation: TM3.1-64QAM



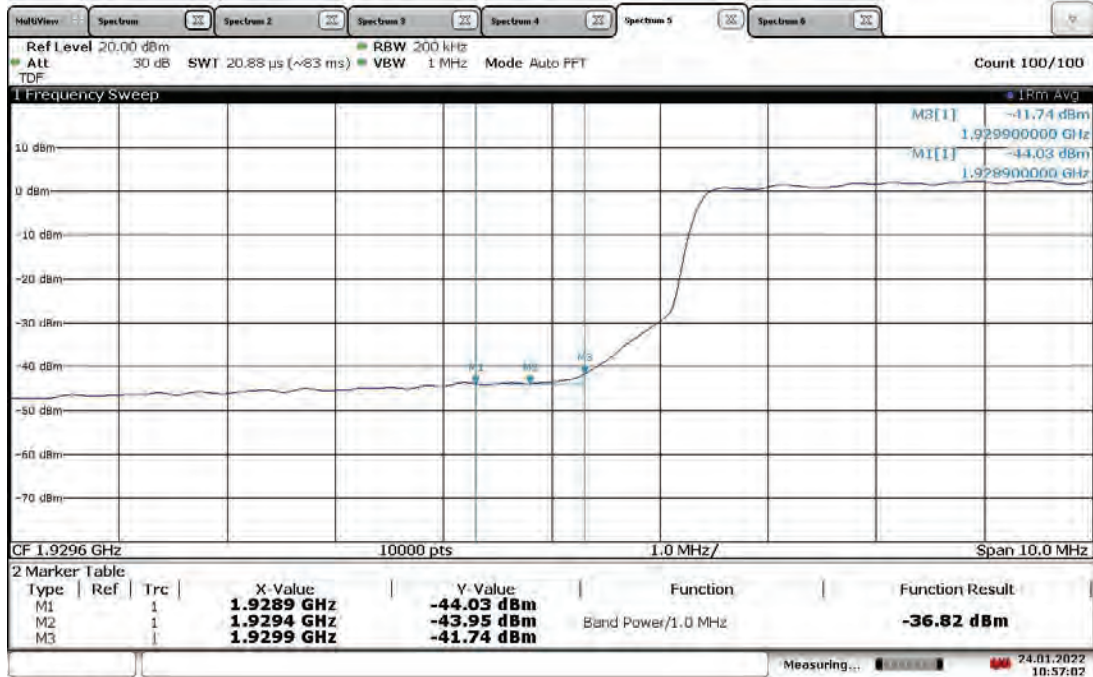
18:51:12 02.02.2022

Band Edge Compliant, Lower Band Edge, 1940 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 20 MHz, Modulation: TM3.1-64QAM



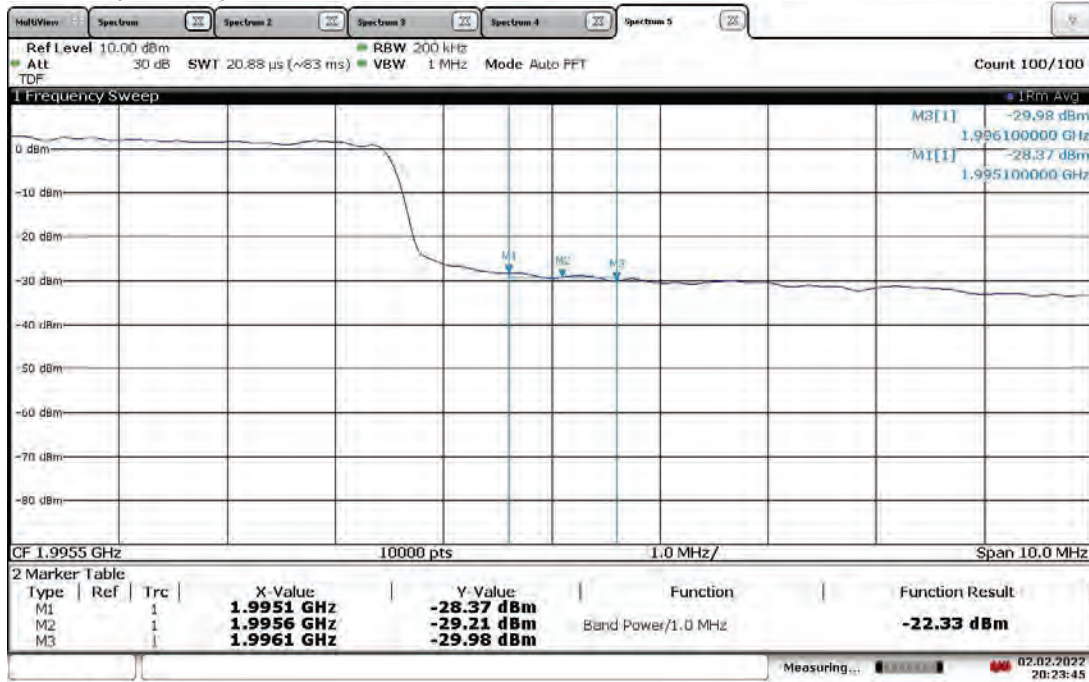
10:54:38 24.01.2022

Band Edge Compliant, Lower Band Edge, 1940 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 20 MHz, Modulation: TM3.1-64QAM



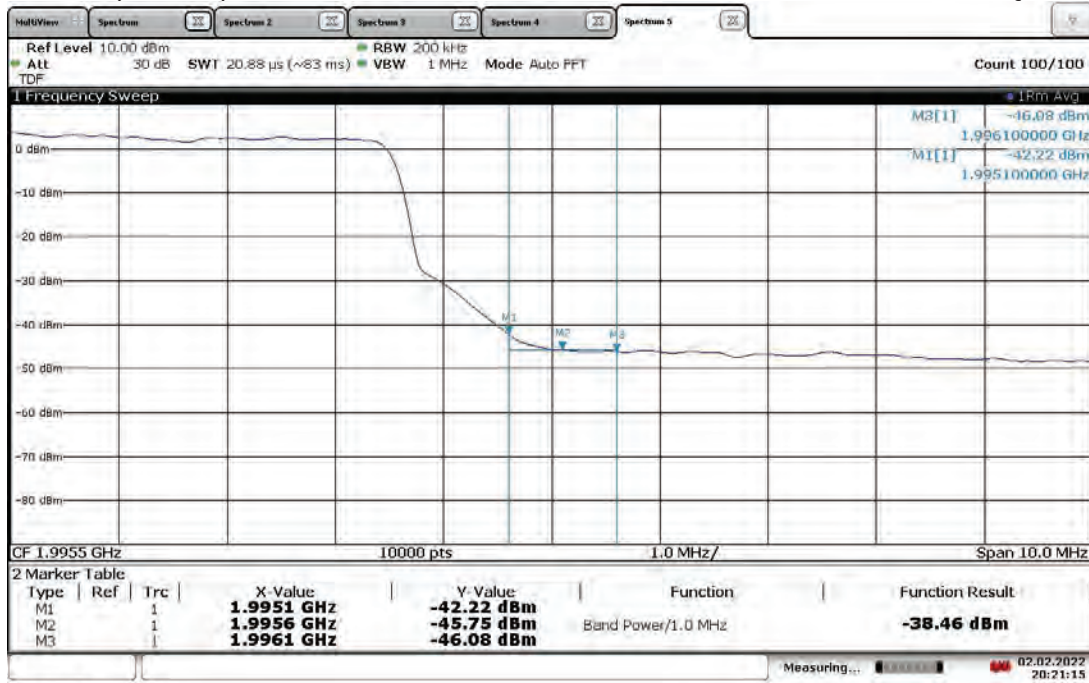
10:57:02 24.01.2022

Band Edge Compliant, Upper Band Edge, 1985 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 20 MHz, Modulation: TM3.1-64QAM



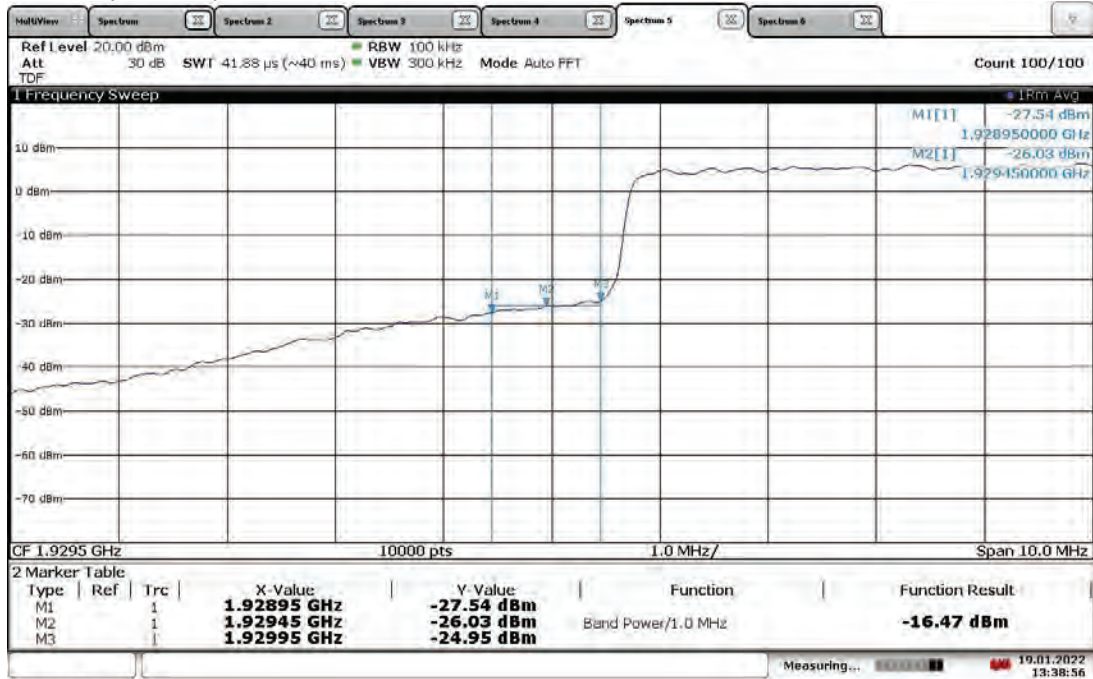
20:23:45 02.02.2022

Band Edge Compliant, Upper Band Edge, 1985 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 20 MHz, Modulation: TM3.1-64QAM



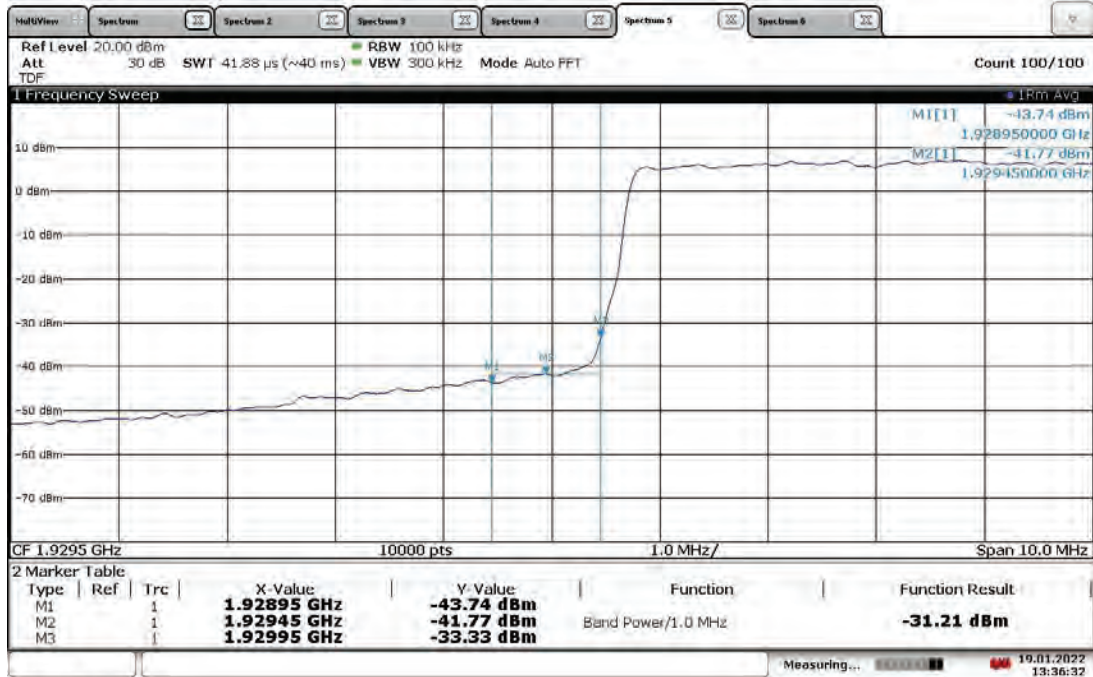
20:21:15 02.02.2022

Band Edge Compliant, Lower Band Edge, 1932.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 5 MHz, Modulation: TM3.1a-256QAM



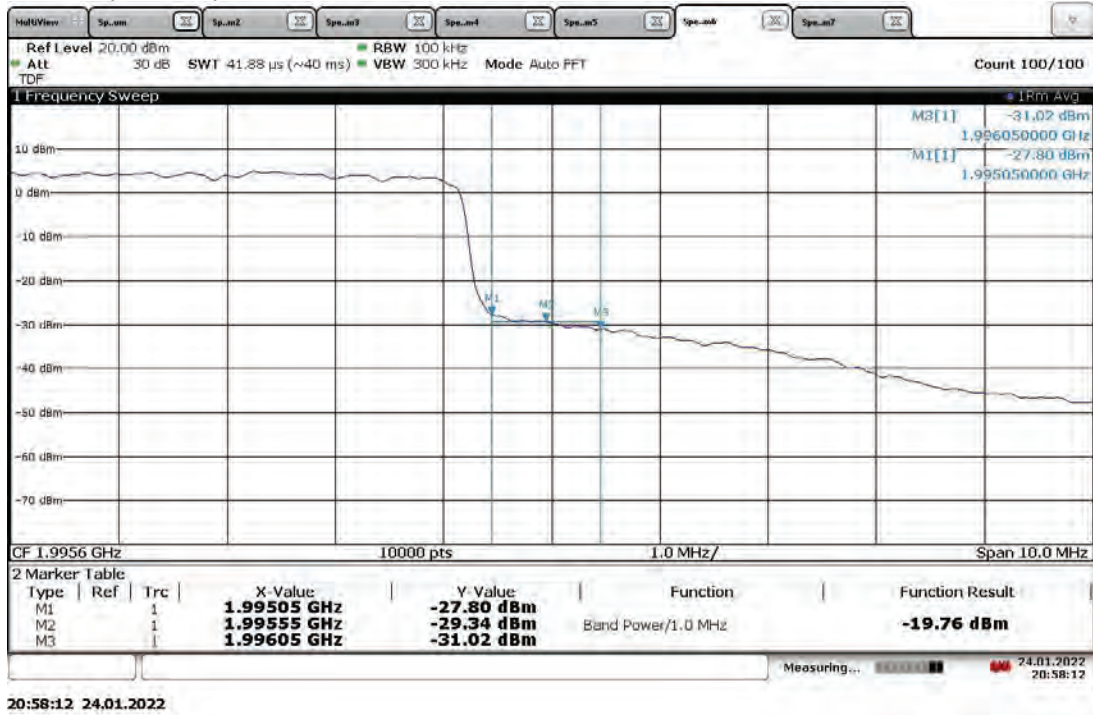
13:38:56 19.01.2022

Band Edge Compliant, Lower Band Edge, 1932.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 5 MHz, Modulation: TM3.1a-256QAM

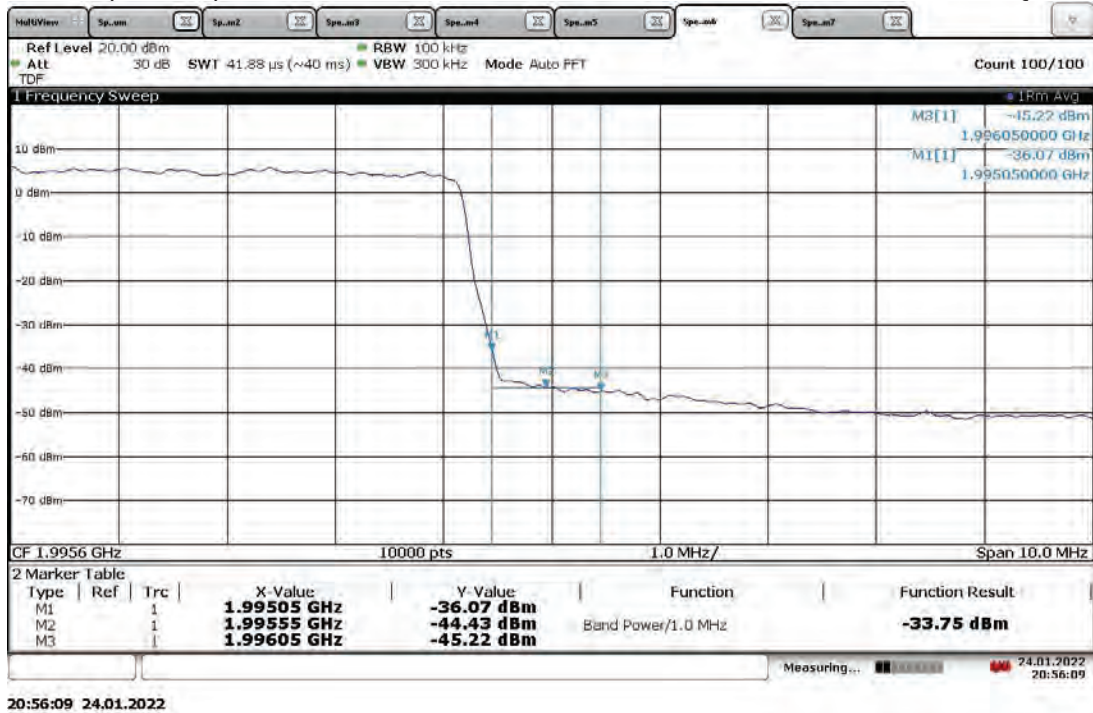


13:36:32 19.01.2022

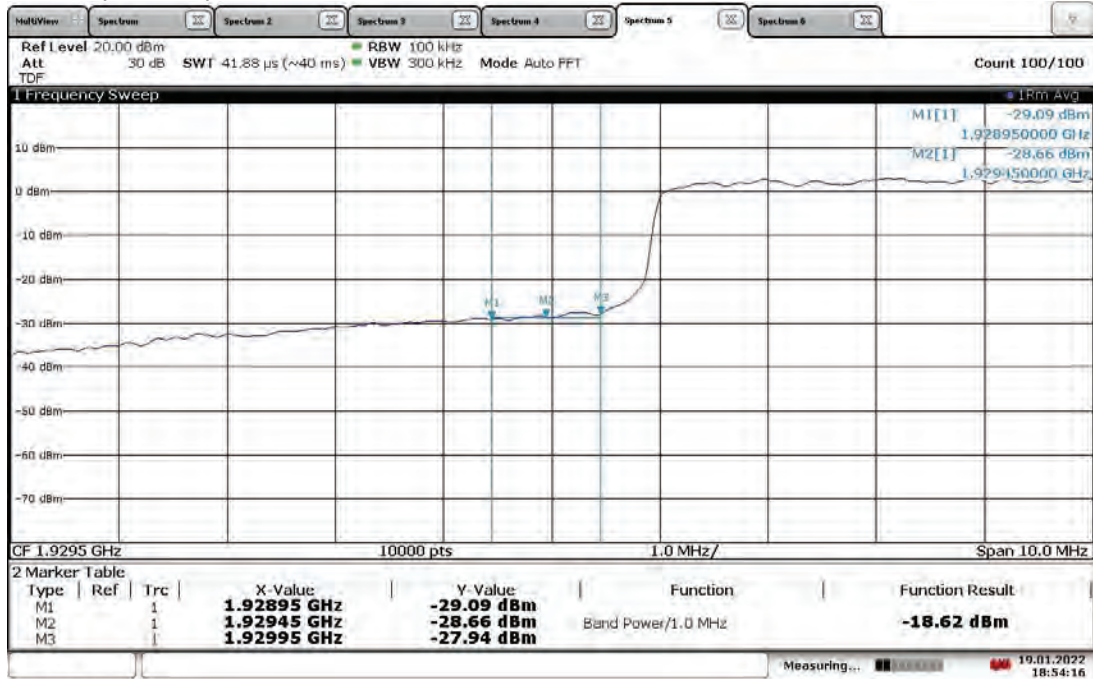
Band Edge Compliant, Upper Band Edge, 1992.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 5 MHz, Modulation: TM3.1a-256QAM



Band Edge Compliant, Upper Band Edge, 1992.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 5 MHz, Modulation: TM3.1a-256QAM

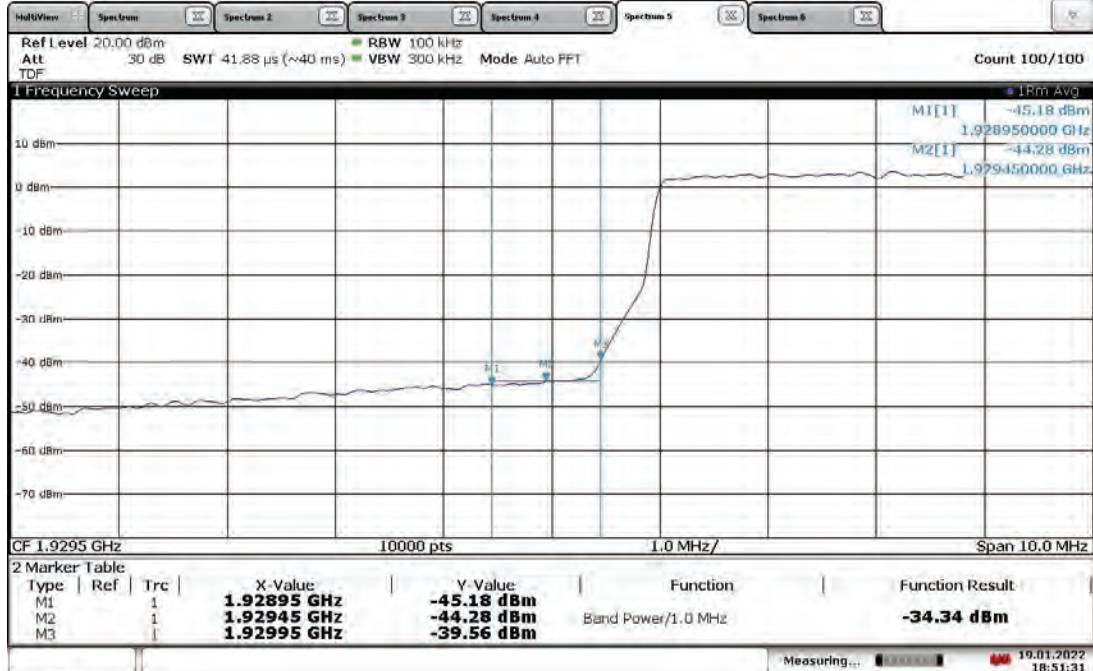


Band Edge Compliant, Lower Band Edge, 1935 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 10 MHz, Modulation: TM3.1a-256QAM



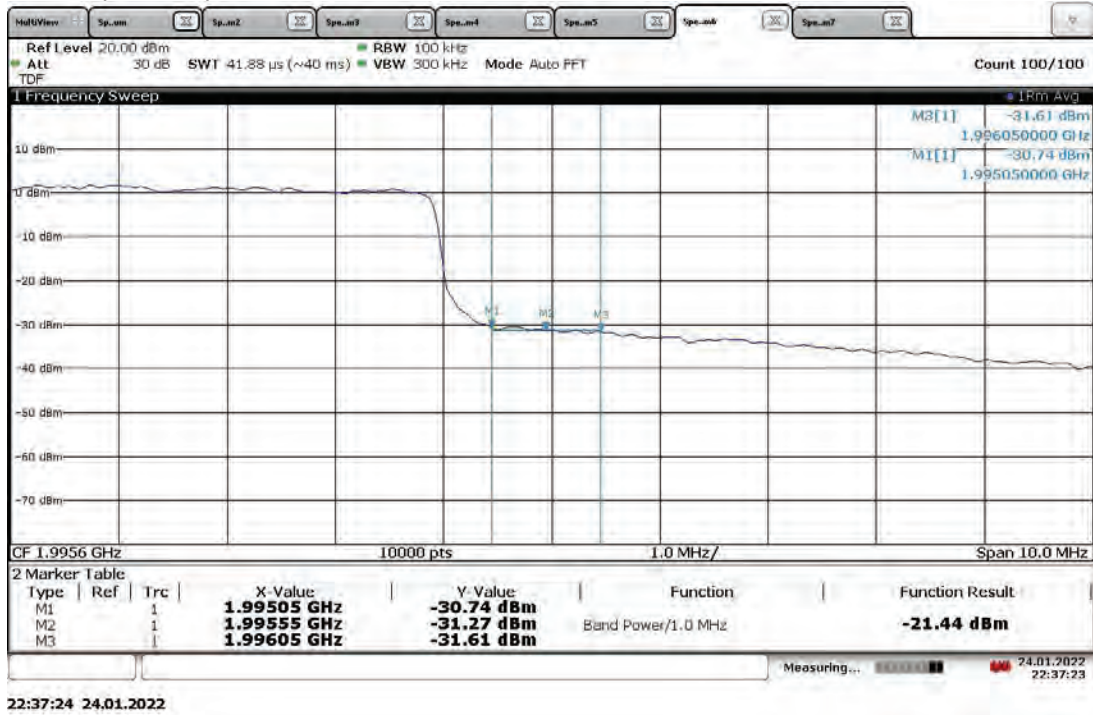
18:54:16 19.01.2022

Band Edge Compliant, Lower Band Edge, 1935 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 10 MHz, Modulation: TM3.1a-256QAM

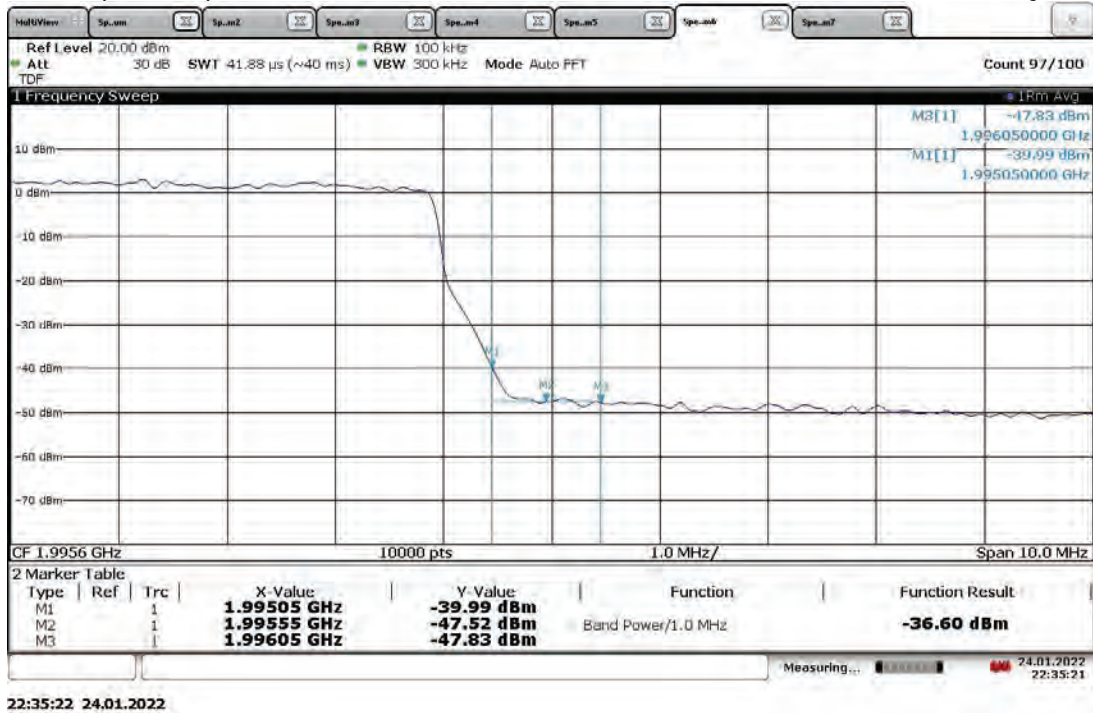


18:51:31 19.01.2022

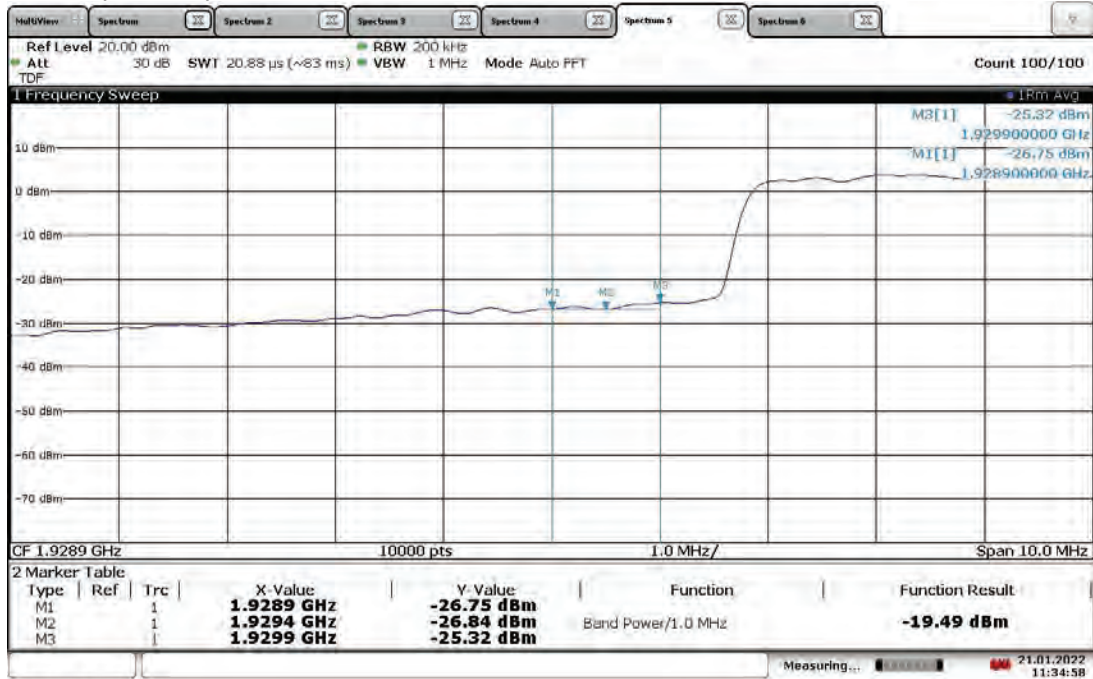
Band Edge Compliant, Upper Band Edge, 1990 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 10 MHz, Modulation: TM3.1a-256QAM



Band Edge Compliant, Upper Band Edge, 1990 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 10 MHz, Modulation: TM3.1a-256QAM

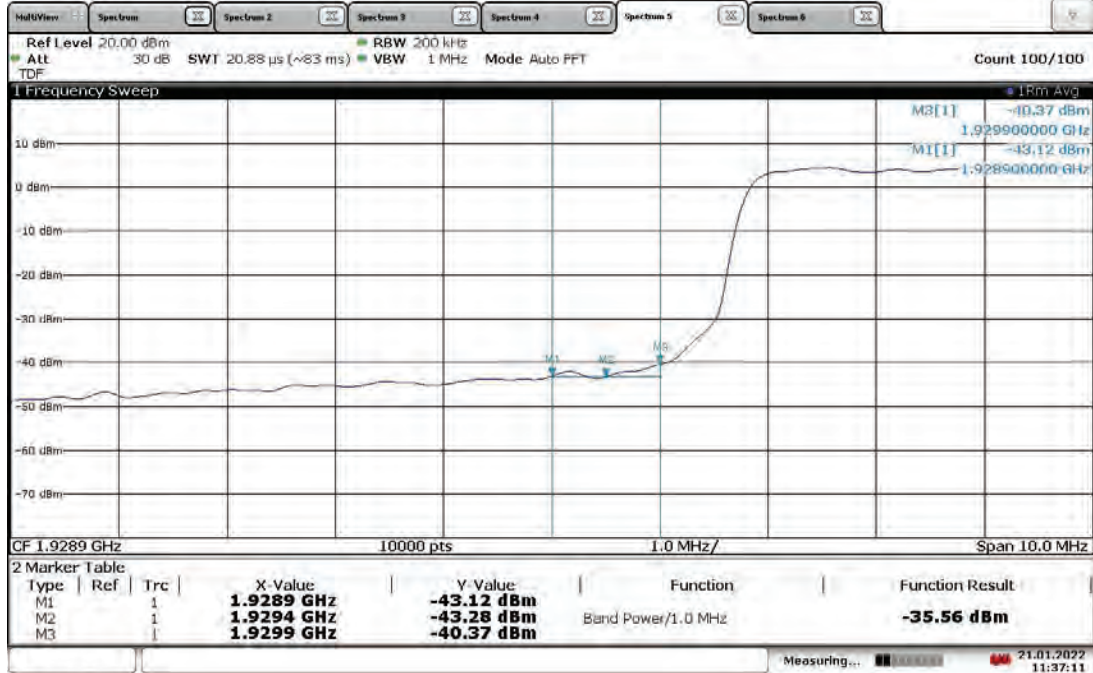


Band Edge Compliant, Lower Band Edge, 1937.5MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 15 MHz, Modulation: TM3.1a-256QAM



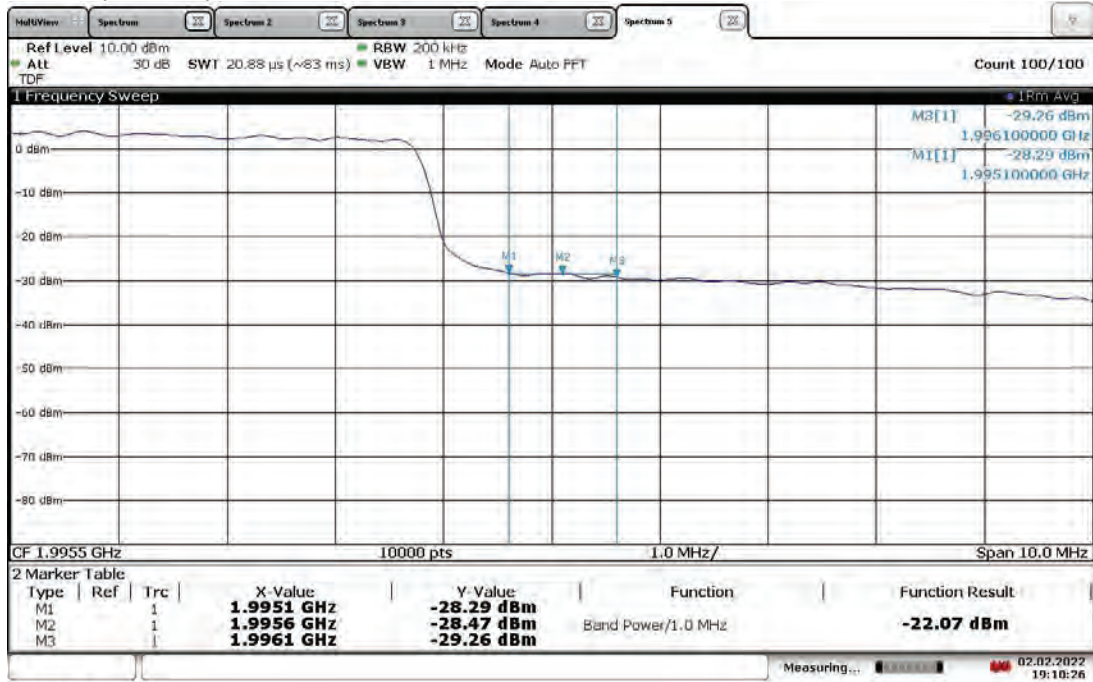
11:34:58 21.01.2022

Band Edge Compliant, Lower Band Edge, 1937.5MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 15 MHz, Modulation: TM3.1a-256QAM



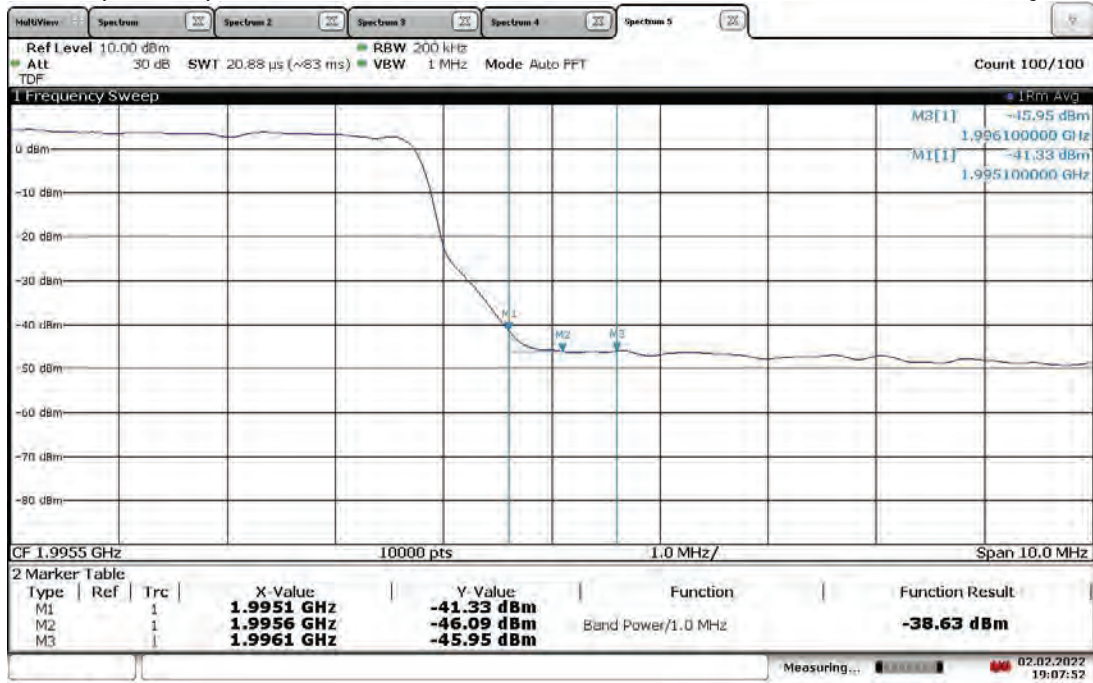
11:37:12 21.01.2022

Band Edge Compliant, Upper Band Edge, 1987.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 15 MHz, Modulation: TM3.1a-256QAM



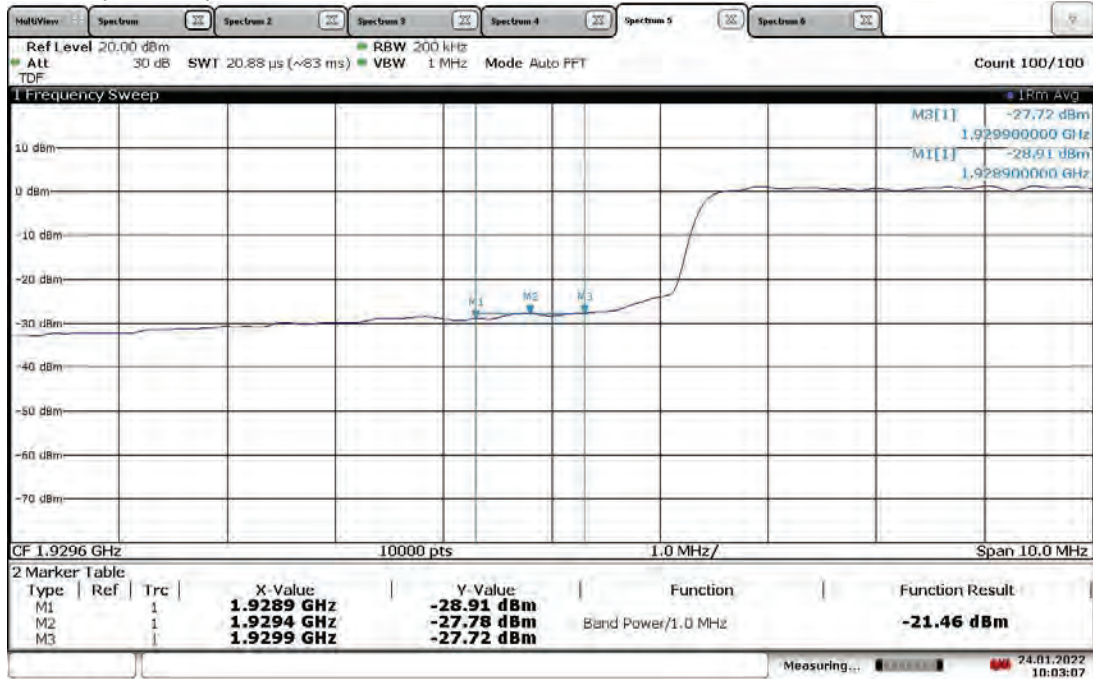
19:10:26 02.02.2022

Band Edge Compliant, Upper Band Edge, 1987.5 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 15 MHz, Modulation: TM3.1a-256QAM



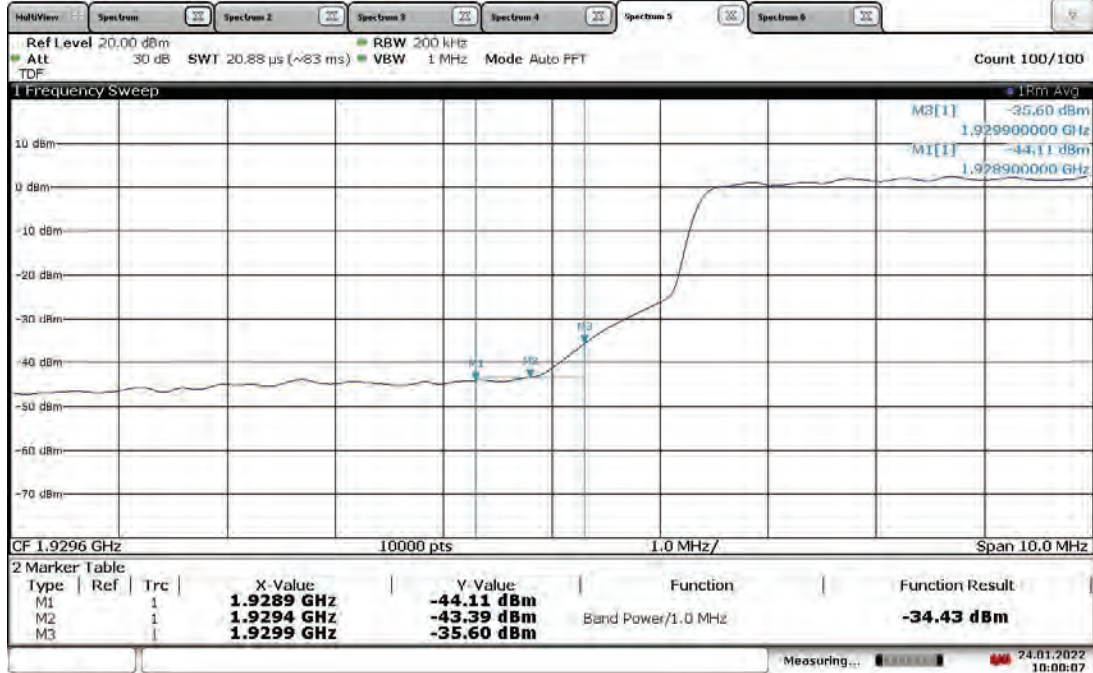
19:07:52 02.02.2022

Band Edge Compliant, Lower Band Edge, 1940 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 20 MHz, Modulation: TM3.1a-256QAM



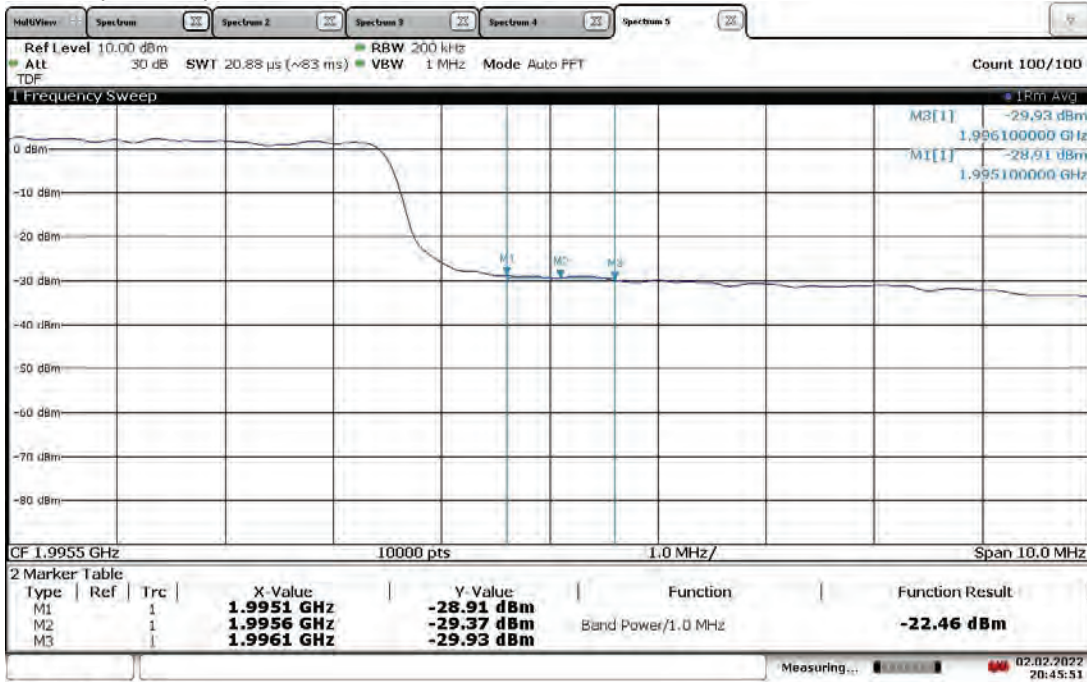
10:03:07 24.01.2022

Band Edge Compliant, Lower Band Edge, 1940 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 20 MHz, Modulation: TM3.1a-256QAM



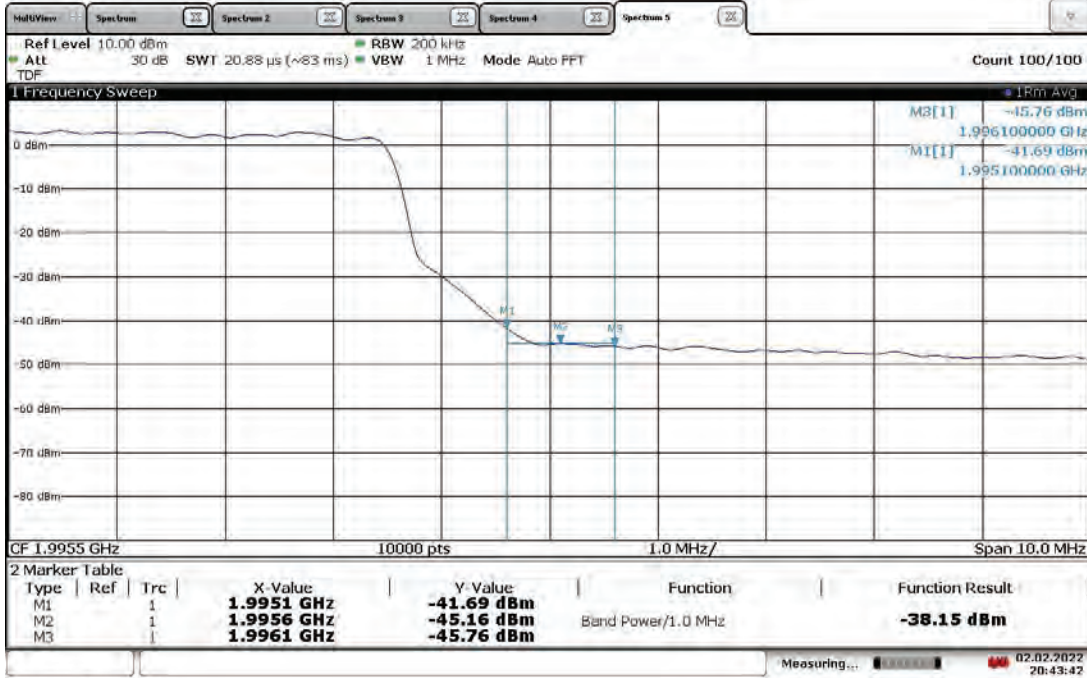
10:00:07 24.01.2022

Band Edge Compliant, Upper Band Edge, 1990 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 20 MHz, Modulation: TM3.1a-256QAM



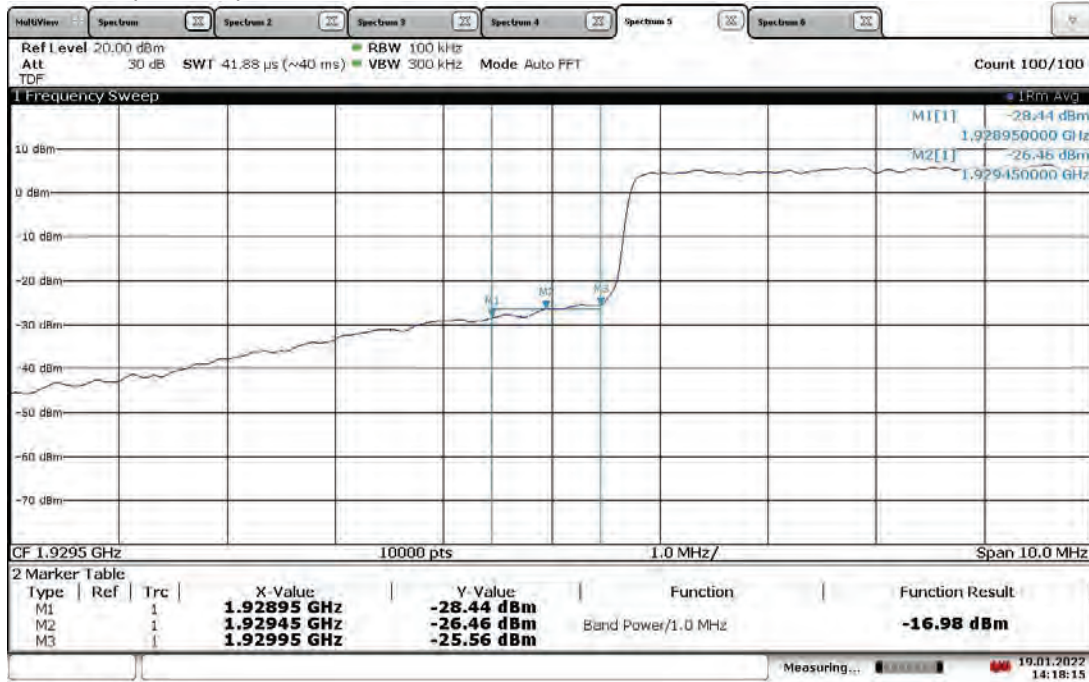
20:45:51 02.02.2022

Band Edge Compliant, Upper Band Edge, 1990 MHz (4G LTE)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 20 MHz, Modulation: TM3.1a-256QAM



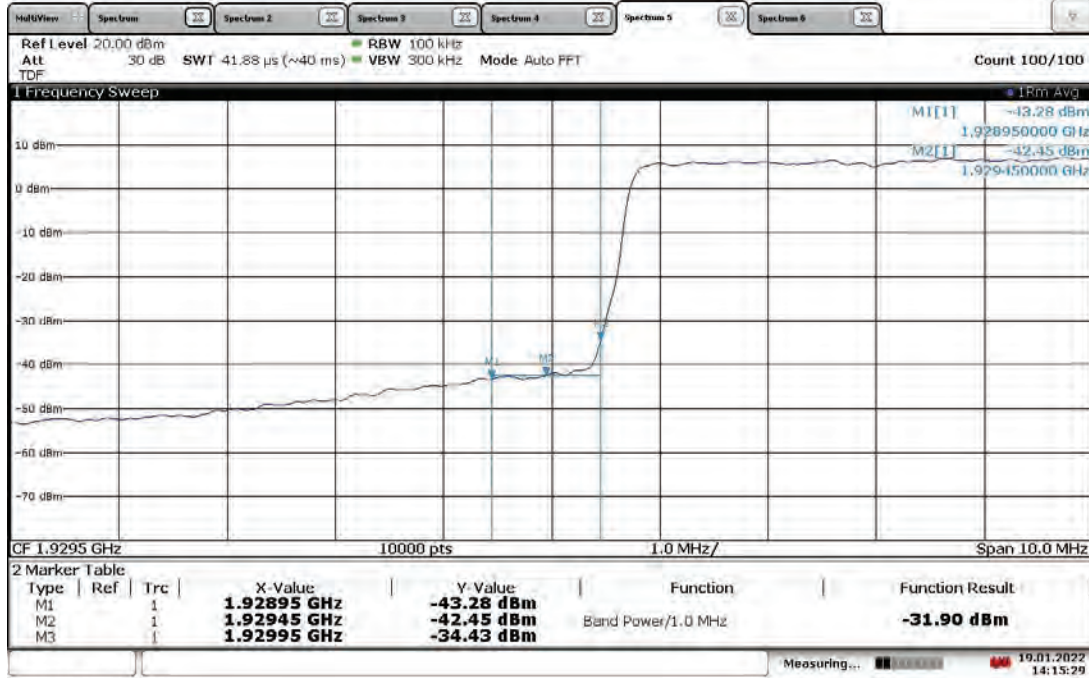
20:43:42 02.02.2022

Band Edge Compliant, Lower Band Edge, 1932.5 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 5 MHz, Modulation: TM1.1-QPSK



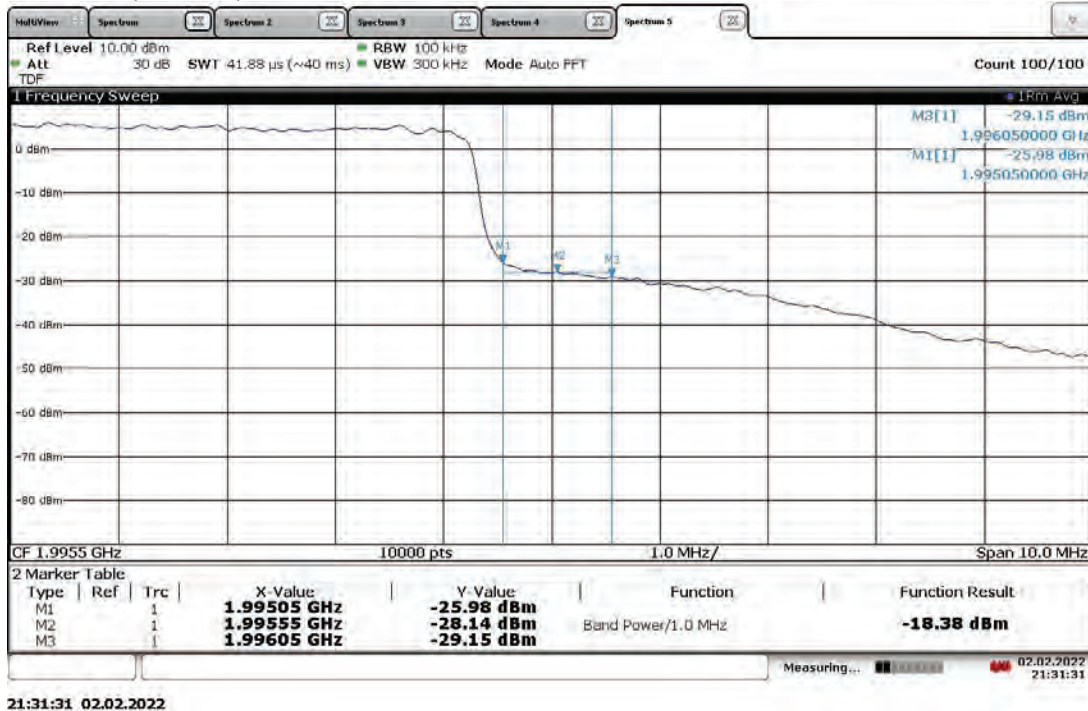
14:18:15 19.01.2022

Band Edge Compliant, Lower Band Edge, 1932.5 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 5 MHz, Modulation: TM1.1-QPSK

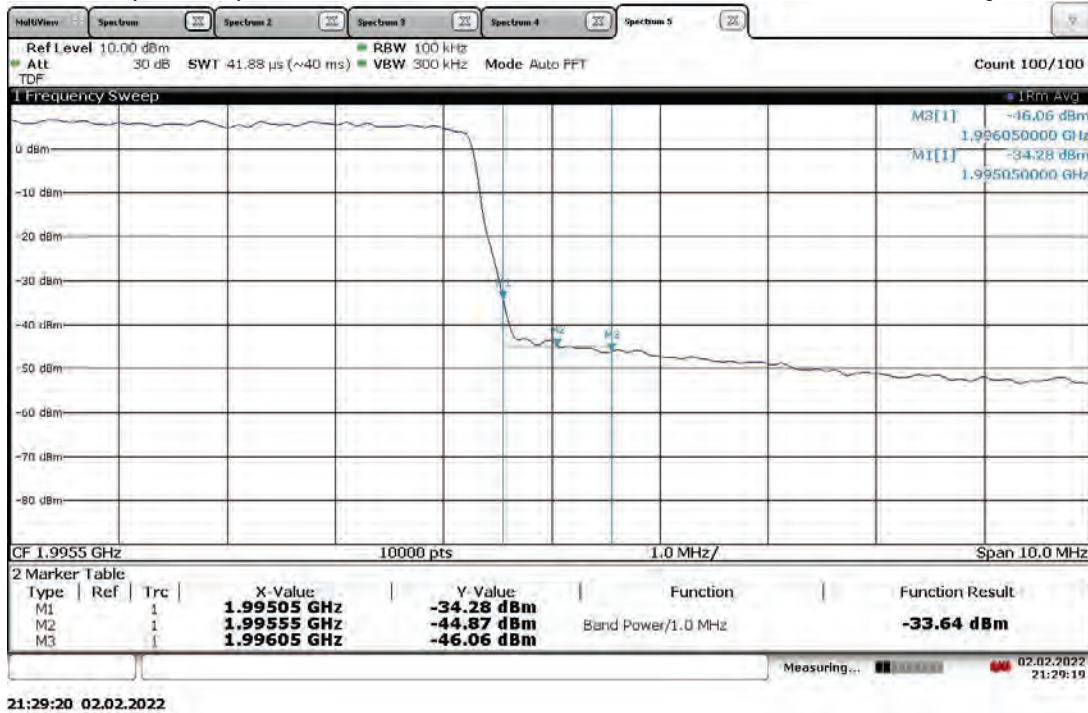


14:15:30 19.01.2022

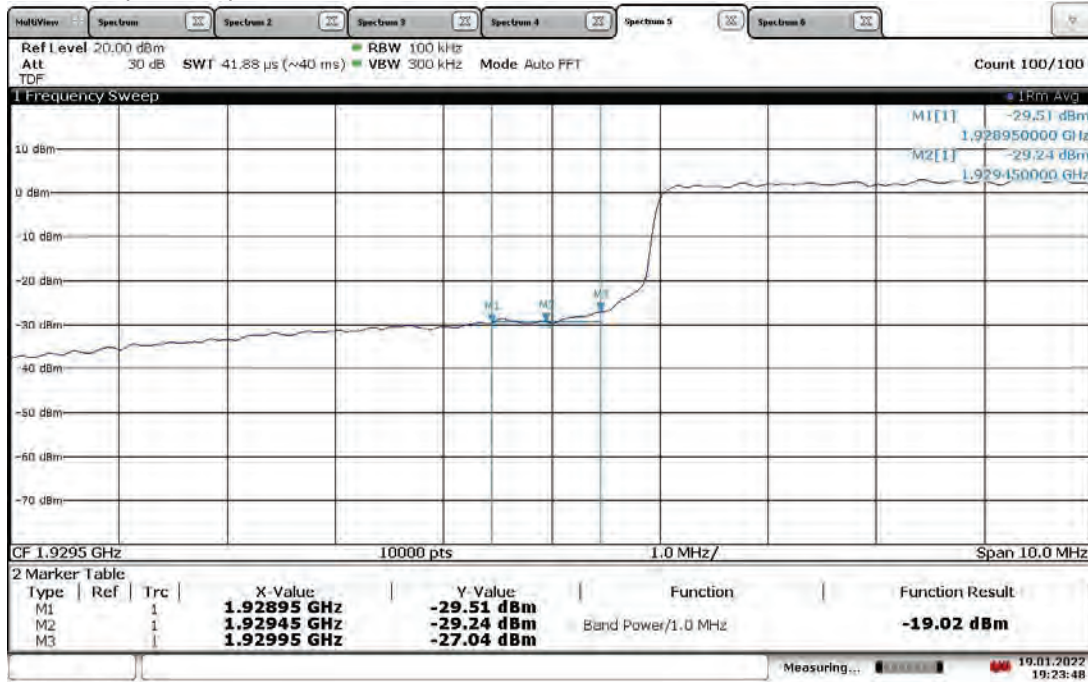
Band Edge Compliant, Upper Band Edge, 1992.5 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 5 MHz, Modulation: TM1.1-QPSK



Band Edge Compliant, Upper Band Edge, 1992.5 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 5 MHz, Modulation: TM1.1-QPSK

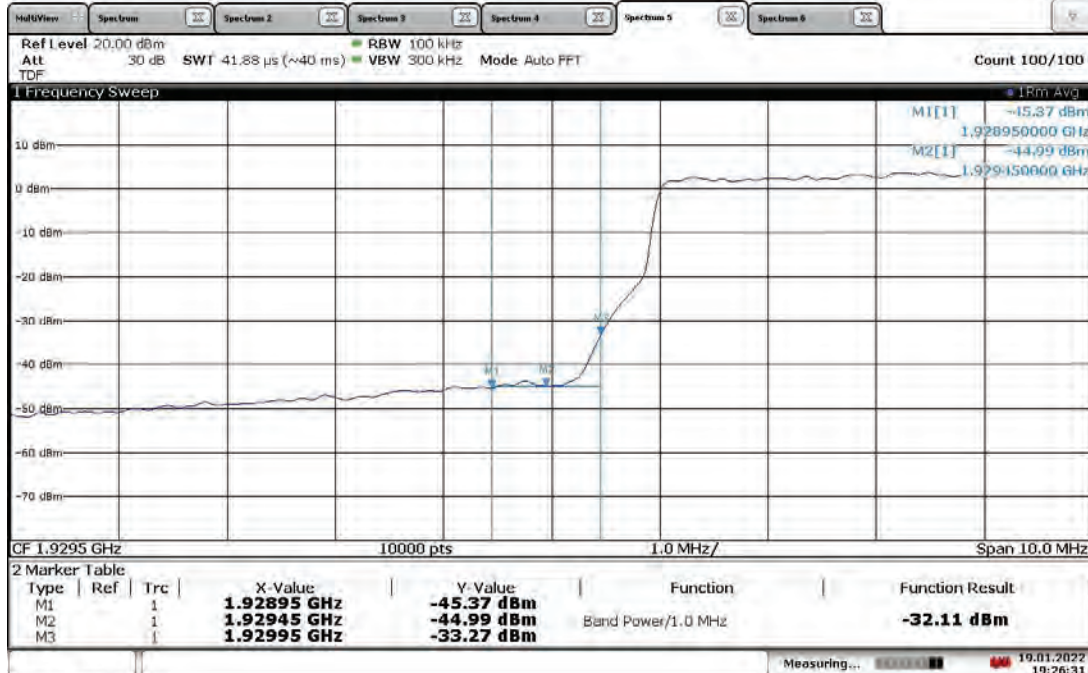


Band Edge Compliant, Lower Band Edge, 1935 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 10 MHz, Modulation: TM1.1-QPSK



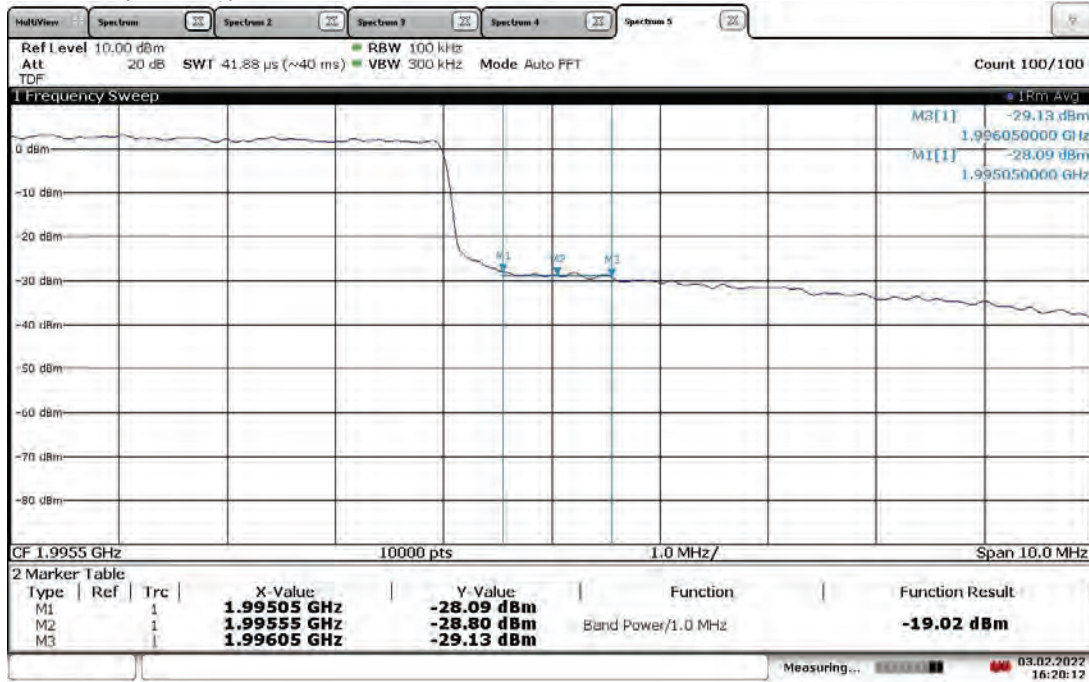
19:23:49 19.01.2022

Band Edge Compliant, Lower Band Edge, 1935 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 10 MHz, Modulation: TM1.1-QPSK



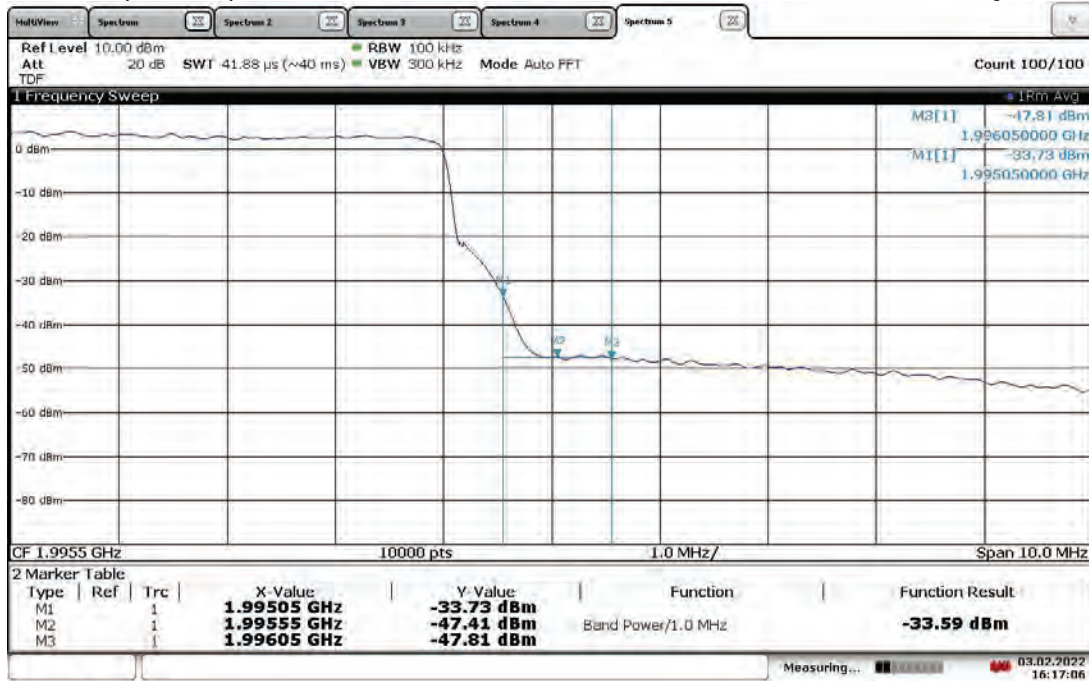
19:26:31 19.01.2022

Band Edge Compliant, Upper Edge, 1990 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 10 MHz, Modulation: TM1.1-QPSK



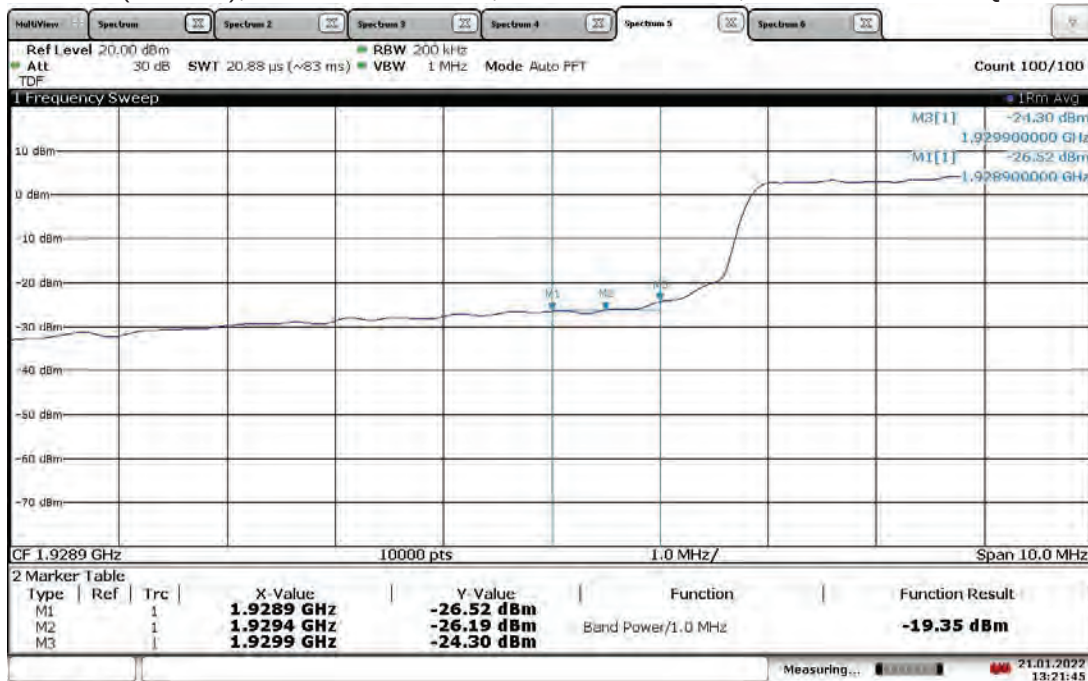
16:20:12 03.02.2022

Band Edge Compliant, Upper Edge, 1990 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 10 MHz, Modulation: TM1.1-QPSK



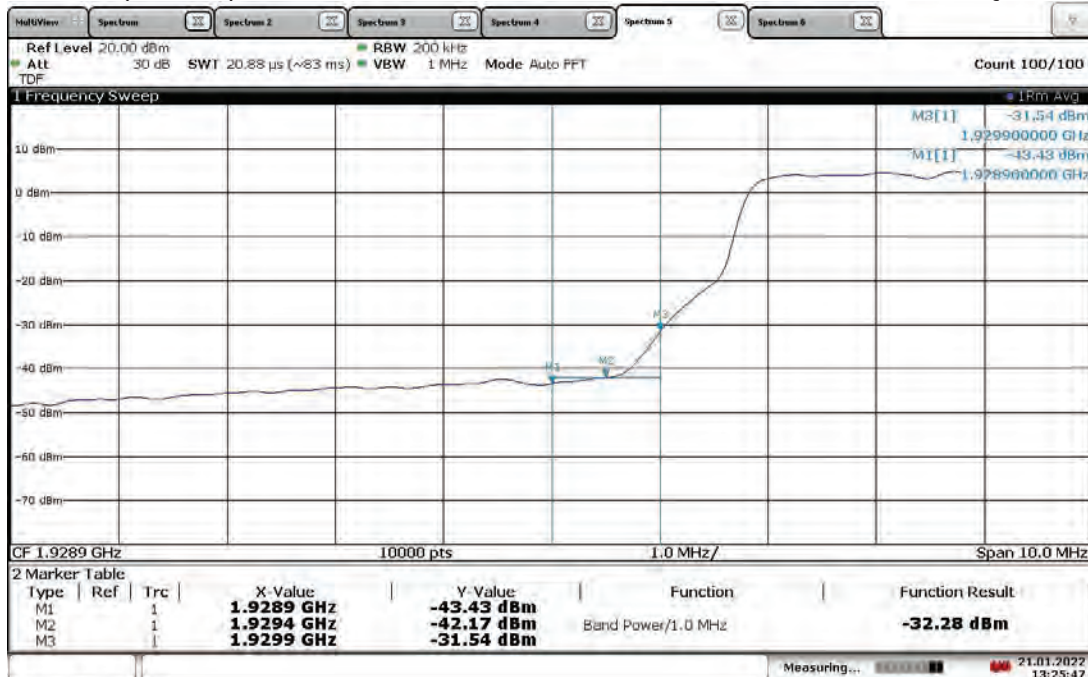
16:17:07 03.02.2022

Band Edge Compliant, Lower Band Edge, 1937.5 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 15 MHz, Modulation: TM1.1-QPSK



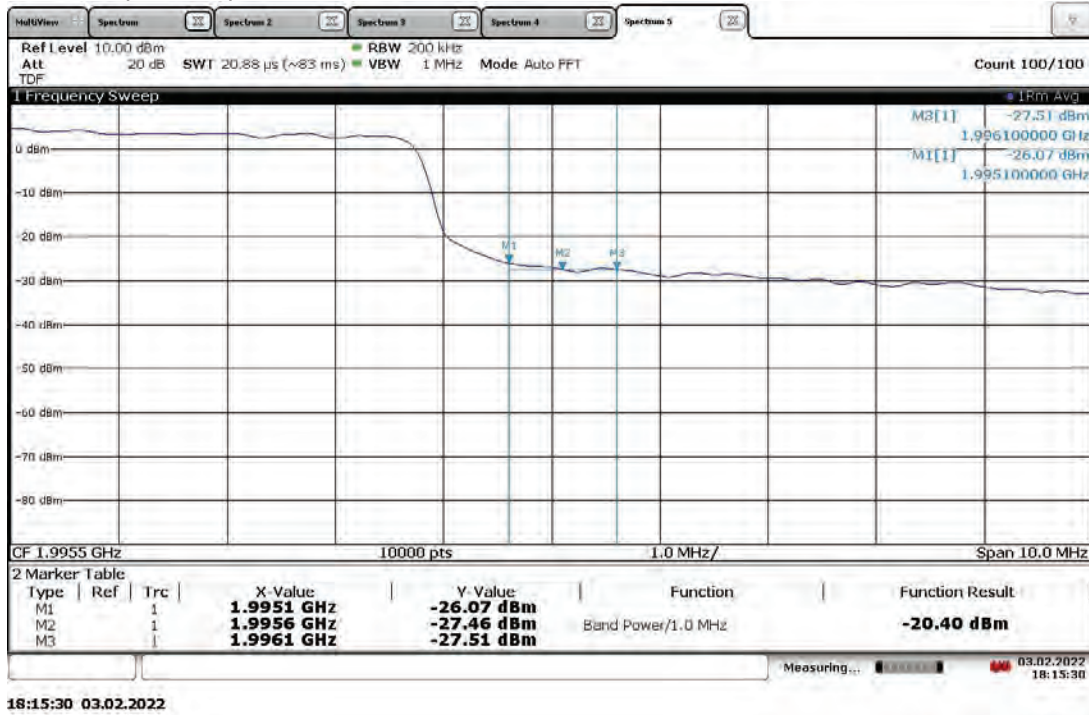
13:21:46 21.01.2022

Band Edge Compliant, Lower Band Edge, 1937.5 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 15 MHz, Modulation: TM1.1-QPSK

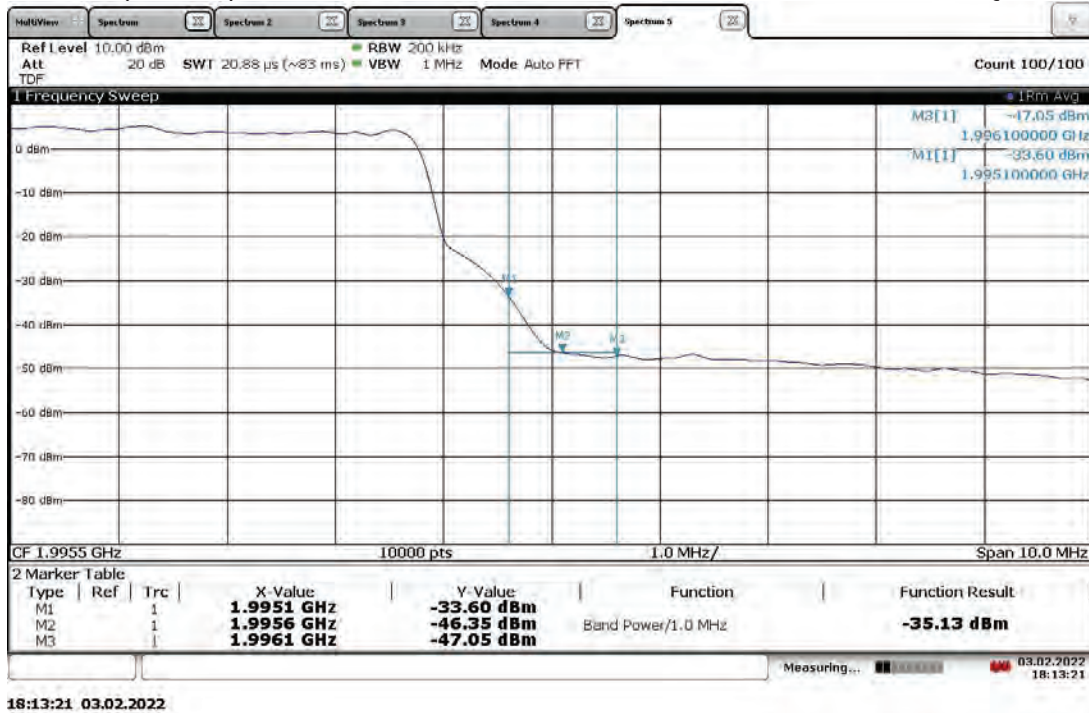


13:25:47 21.01.2022

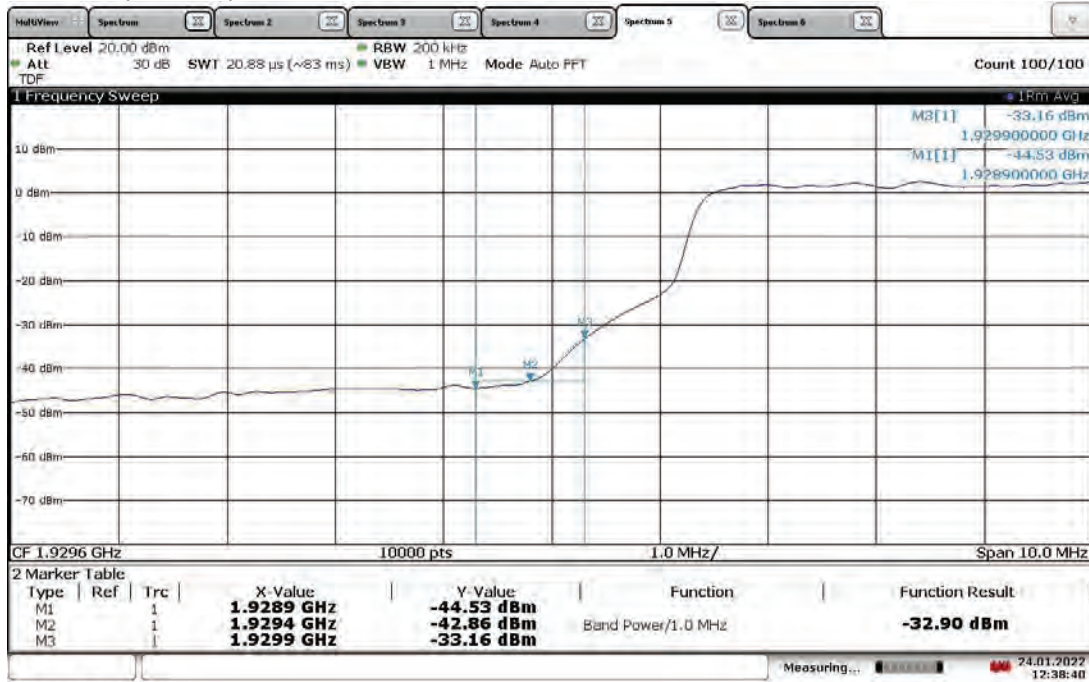
Band Edge Compliant, Upper Band Edge, 1987.5 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 15 MHz, Modulation: TM1.1-QPSK



Band Edge Compliant, Upper Band Edge, 1987.5 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 15 MHz, Modulation: TM1.1-QPSK

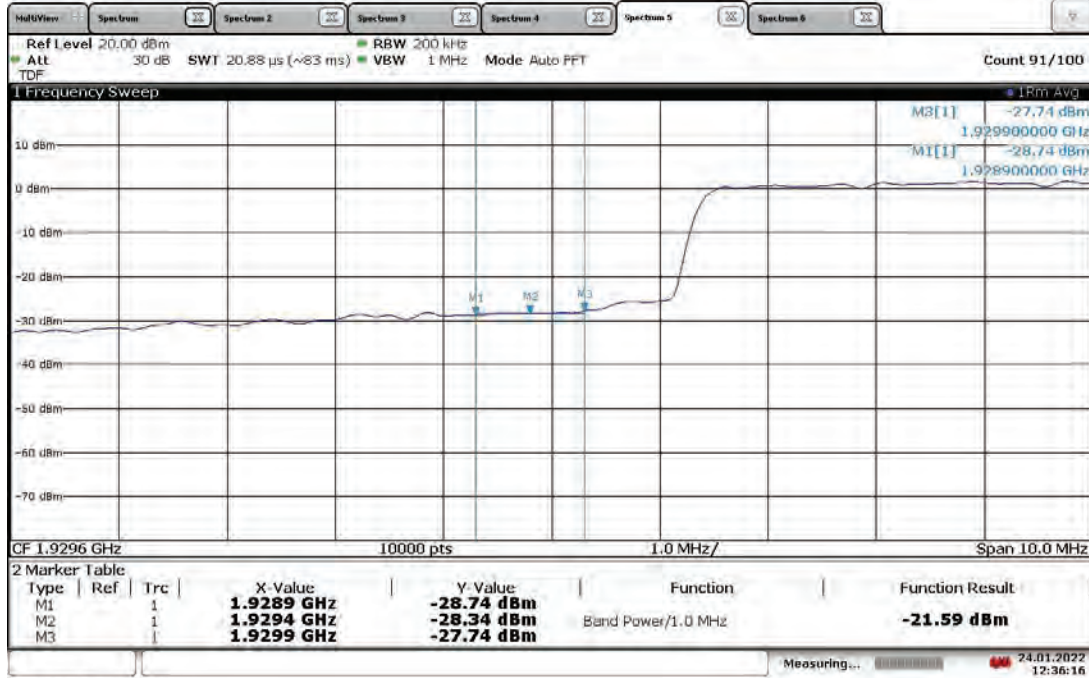


Band Edge Compliant, Lower Band Edge, 1940 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 20 MHz, Modulation: TM1.1-QPSK



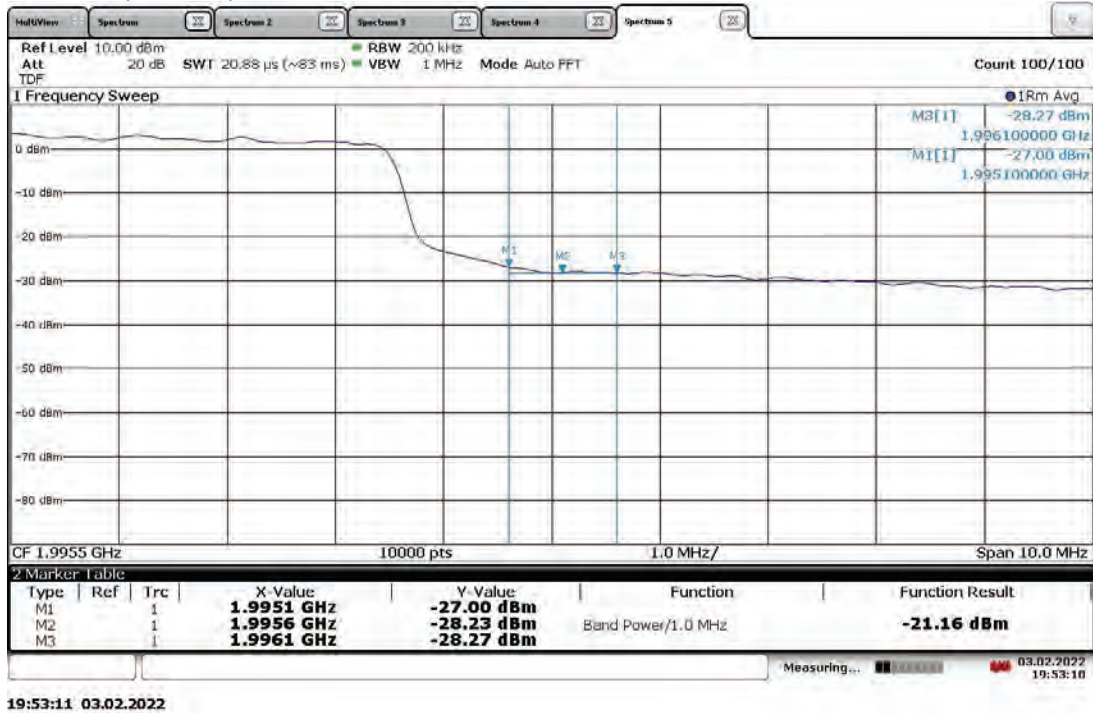
12:38:40 24.01.2022

Band Edge Compliant, Lower Band Edge, 1940 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 20 MHz, Modulation: TM1.1-QPSK

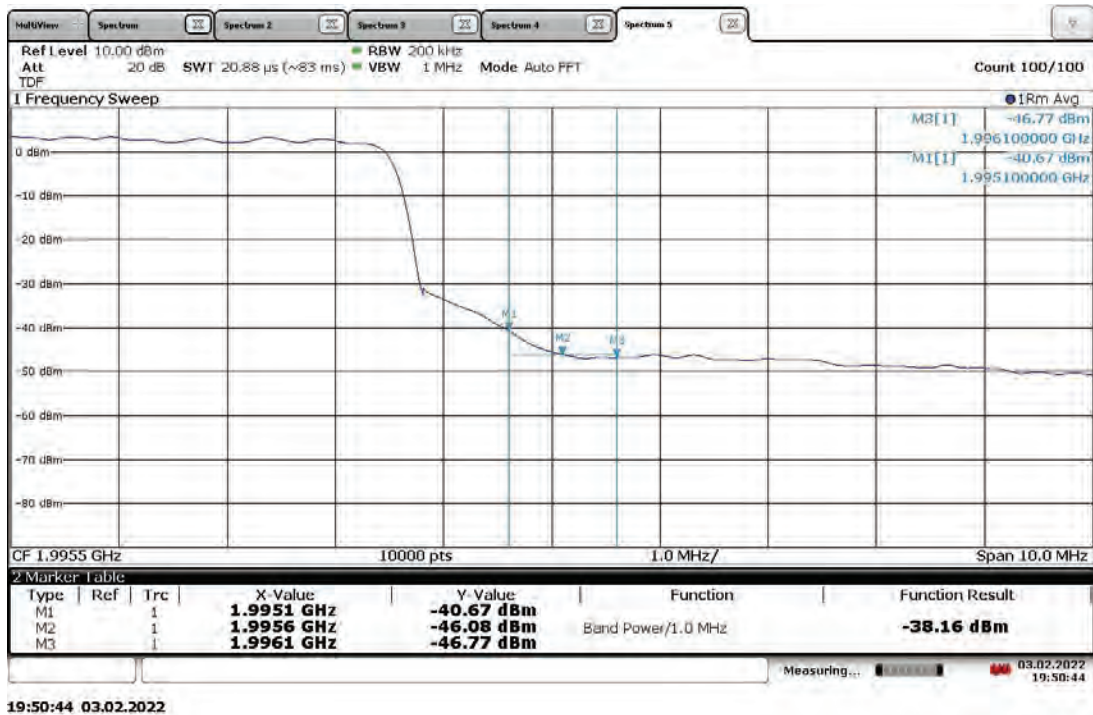


12:36:16 24.01.2022

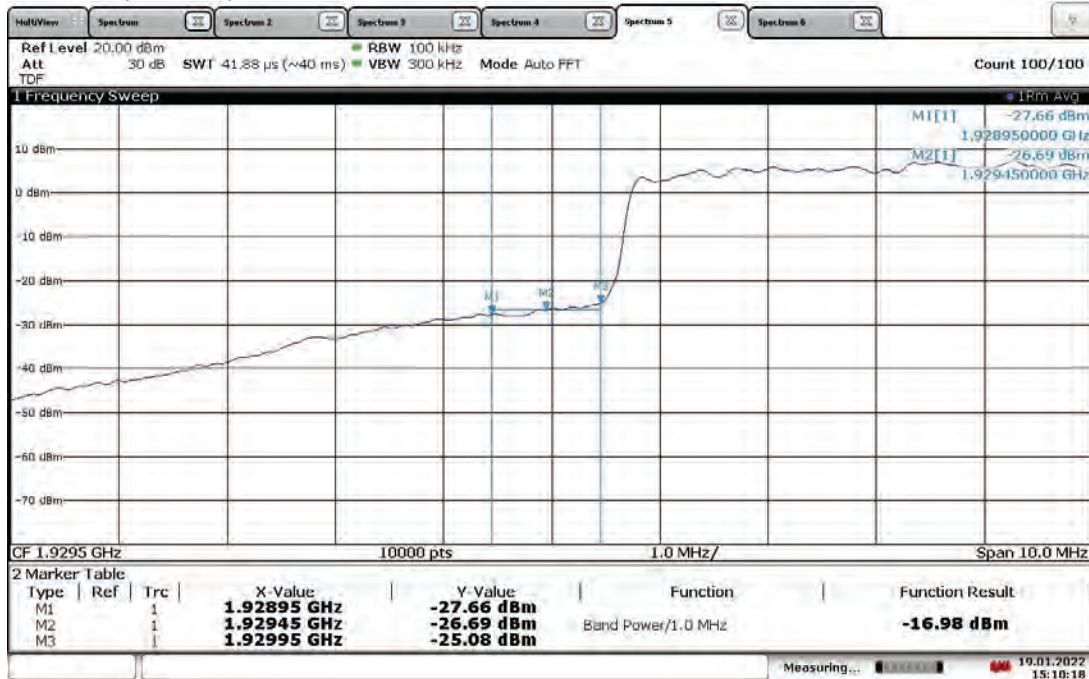
Band Edge Compliant, Upper Band Edge, 1985 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 20 MHz, Modulation: TM1.1-QPSK



Band Edge Compliant, Upper Band Edge, 1985 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 20 MHz, Modulation: TM1.1-QPSK

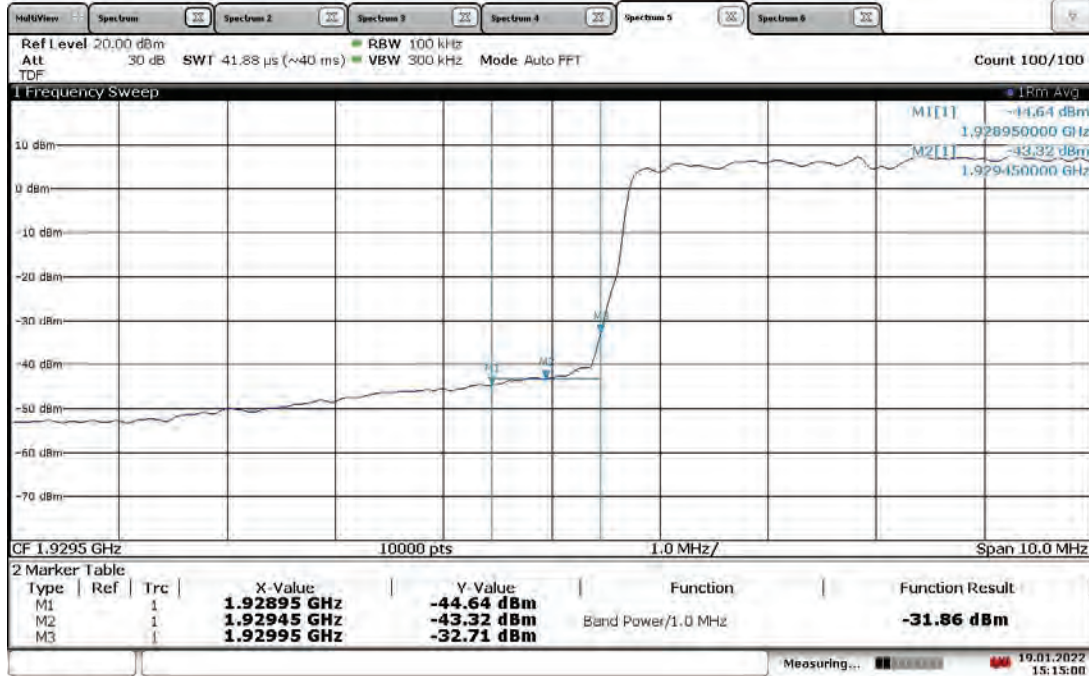


Band Edge Compliant, Lower Band Edge, 1932.5MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 5 MHz, Modulation: TM3.2-16QAM



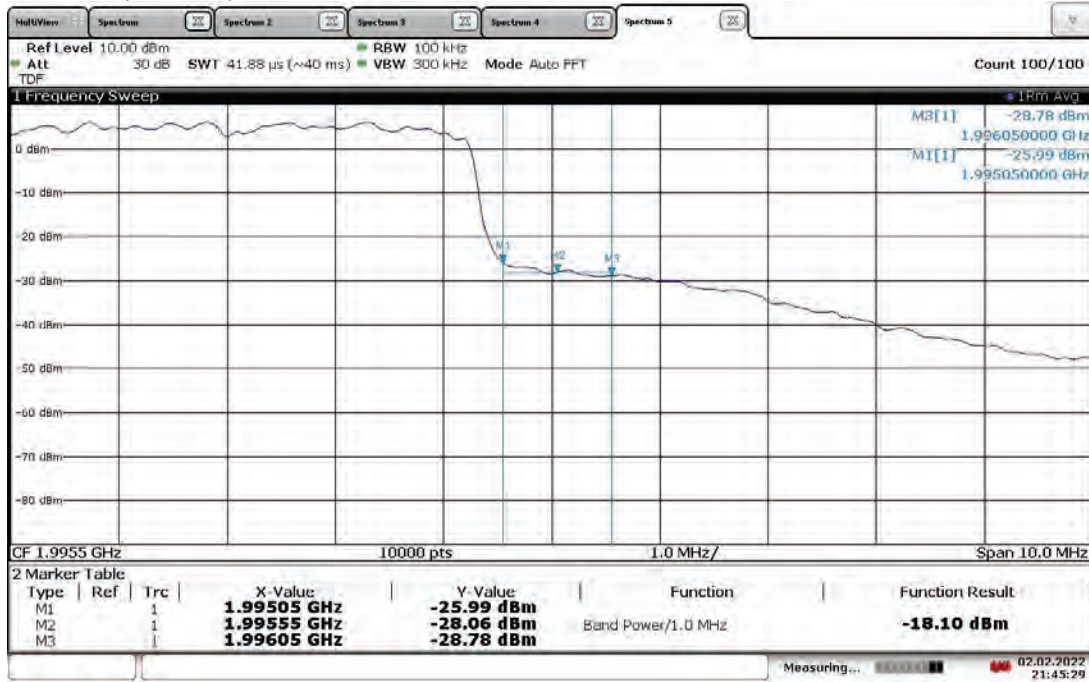
15:10:18 19.01.2022

Band Edge Compliant, Lower Band Edge, 1932.5MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 5 MHz, Modulation: TM3.2-16QAM



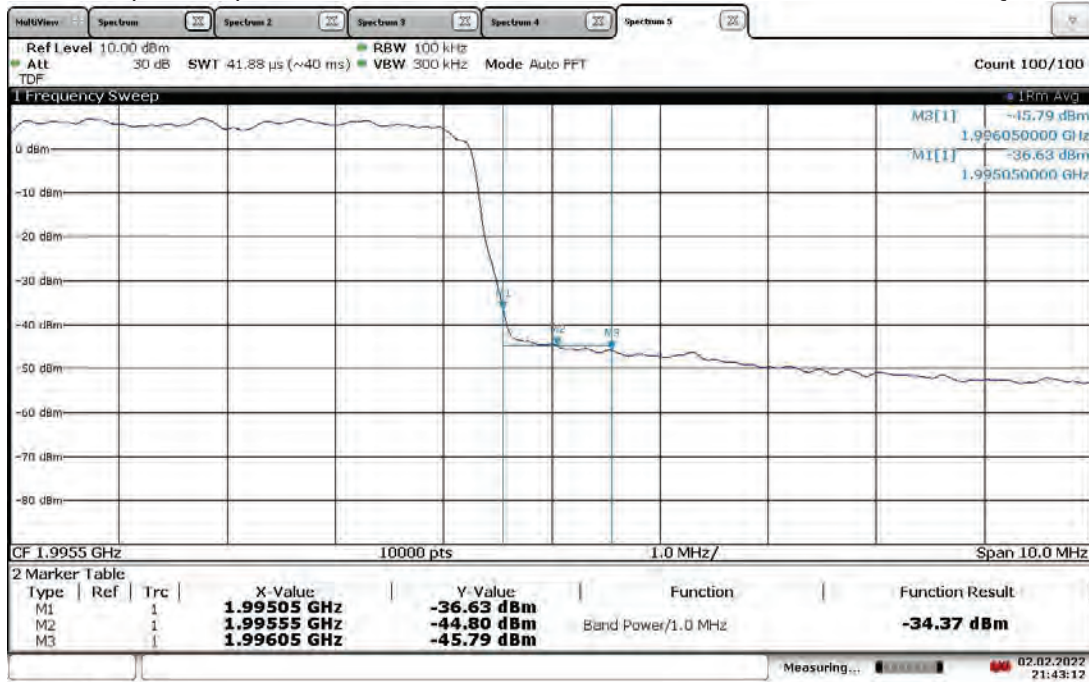
15:15:01 19.01.2022

Band Edge Compliant, Upper Band Edge, 1992.5 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 5 MHz, Modulation: TM3.2-16QAM



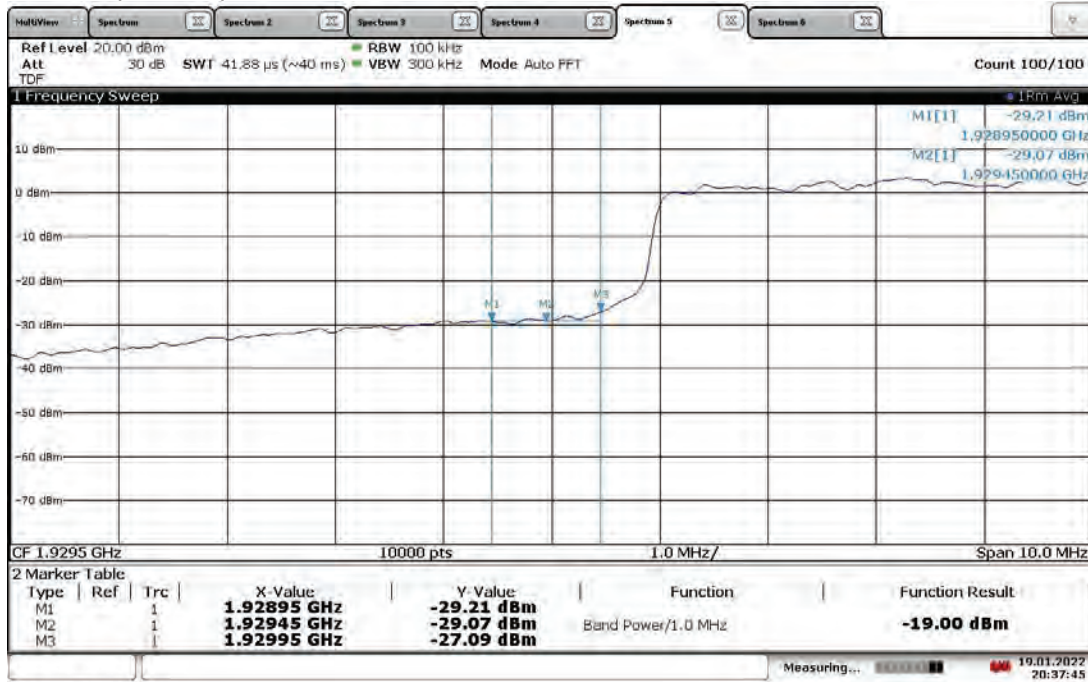
21:45:30 02.02.2022

Band Edge Compliant, Upper Band Edge, 1992.5 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT, Bandwidth: 5 MHz, Modulation: TM3.2-16QAM



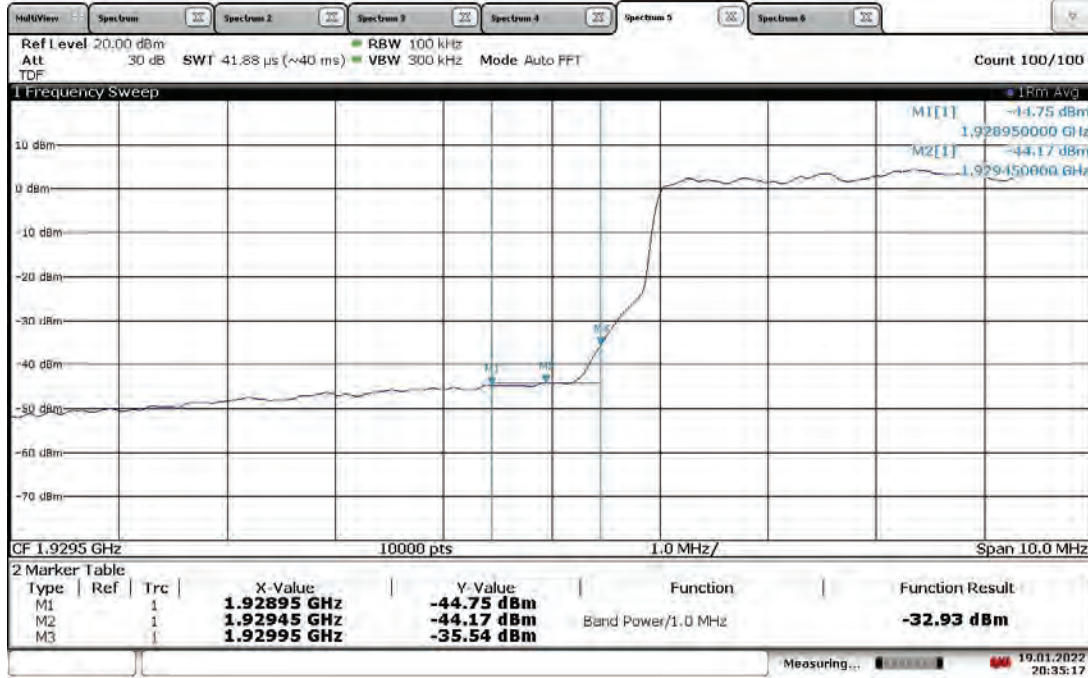
21:43:12 02.02.2022

Band Edge Compliant, Lower Band Edge, 1935 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 10 MHz, Modulation: TM3.2-16QAM



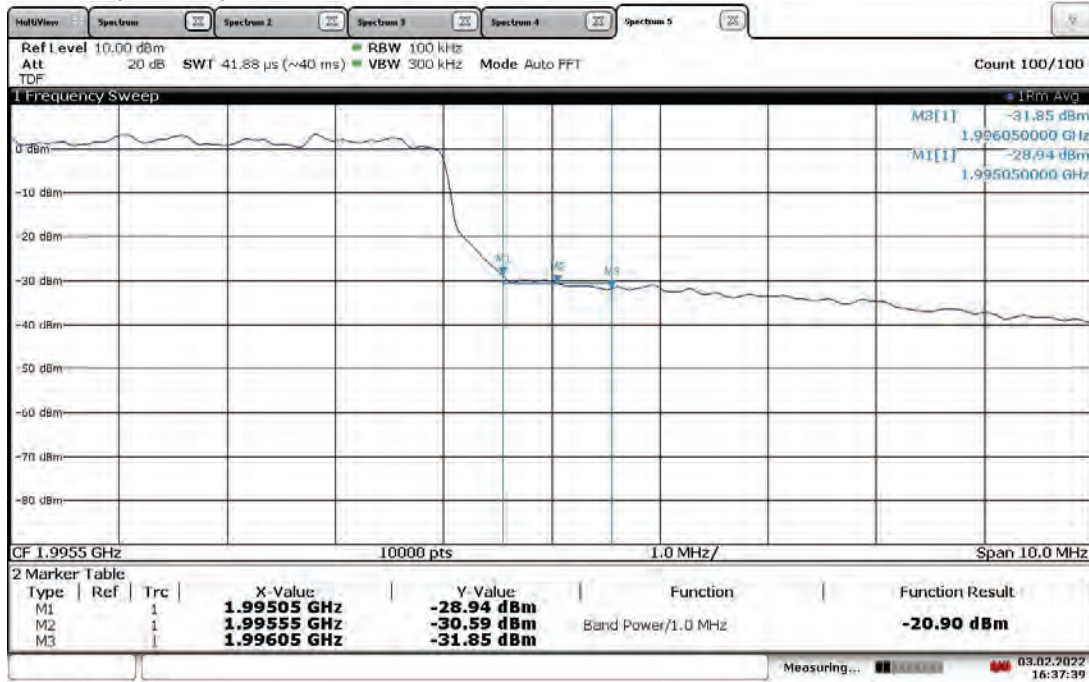
20:37:45 19.01.2022

Band Edge Compliant, Lower Band Edge, 1935 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 10 MHz, Modulation: TM3.2-16QAM



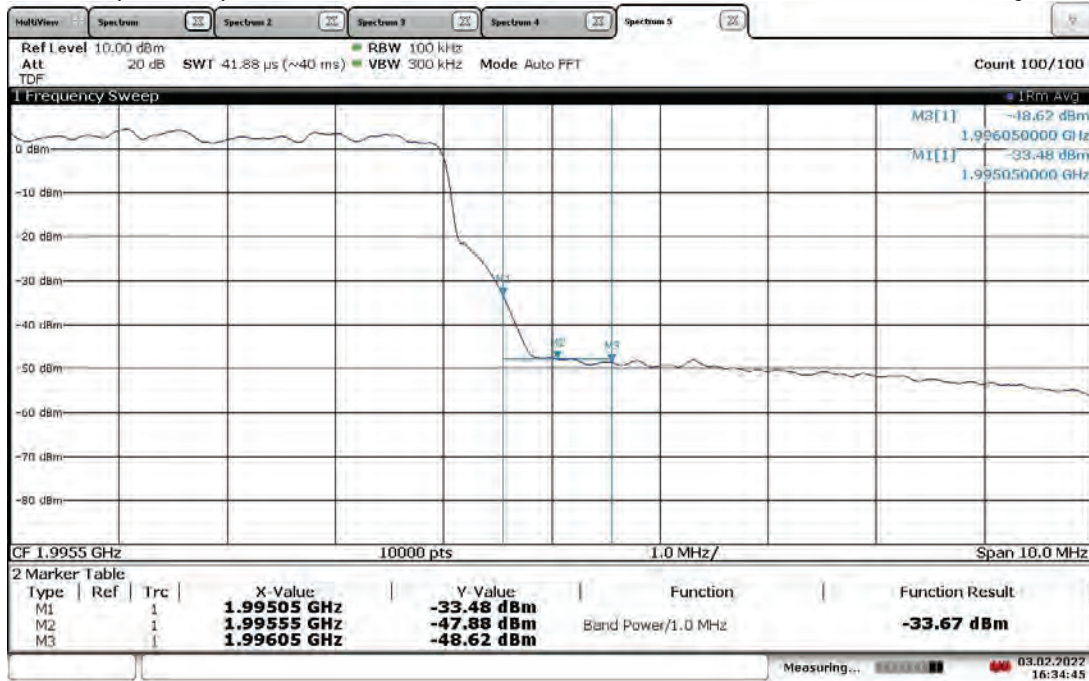
20:35:17 19.01.2022

Band Edge Compliant, Upper Band Edge, 1990 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 10 MHz, Modulation: TM3.2-16QAM



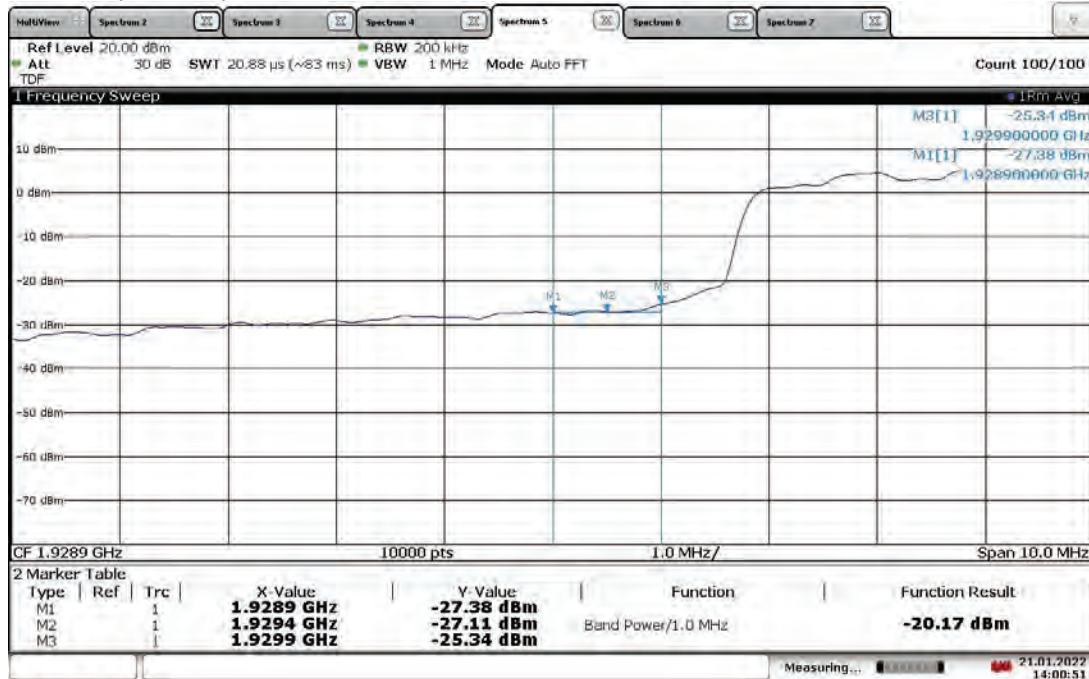
16:37:40 03.02.2022

Band Edge Compliant, Upper Band Edge, 1990 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 10 MHz, Modulation: TM3.2-16QAM



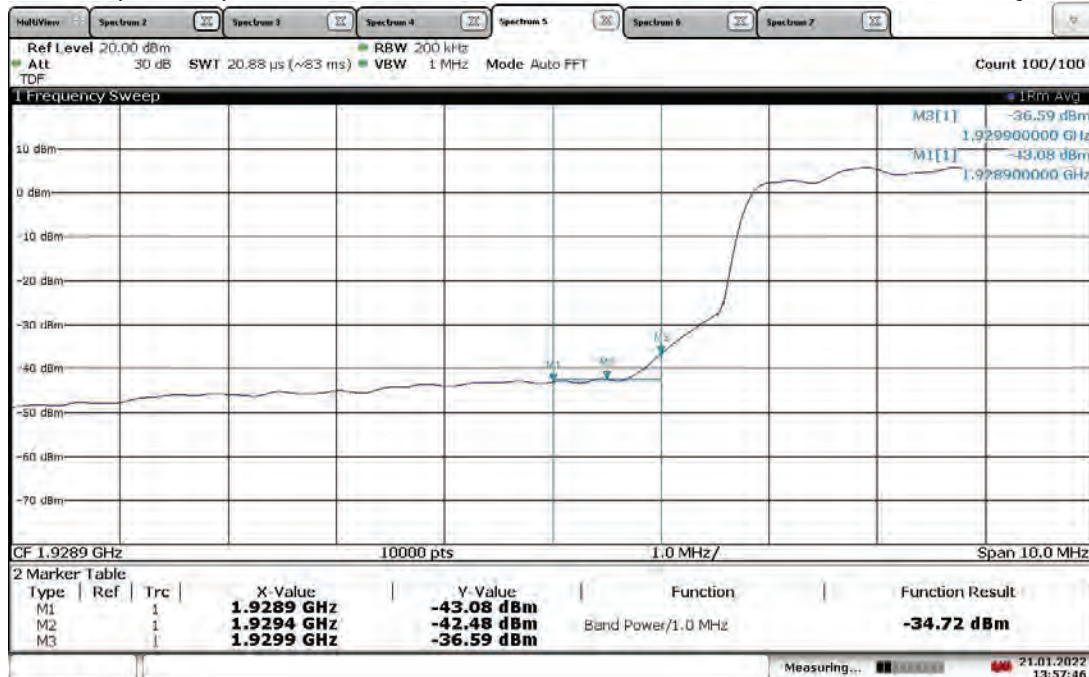
16:34:45 03.02.2022

Band Edge Compliant, Lower Band Edge, 1937.5 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT0, Bandwidth: 15 MHz, Modulation: TM3.2-16QAM



14:00:52 21.01.2022

Band Edge Compliant, Lower Band Edge, 1937.5 MHz (5G nR)
Slot 0 (Band 25), Antenna Port: ANT1, Bandwidth: 15 MHz, Modulation: TM3.2-16QAM



13:57:47 21.01.2022