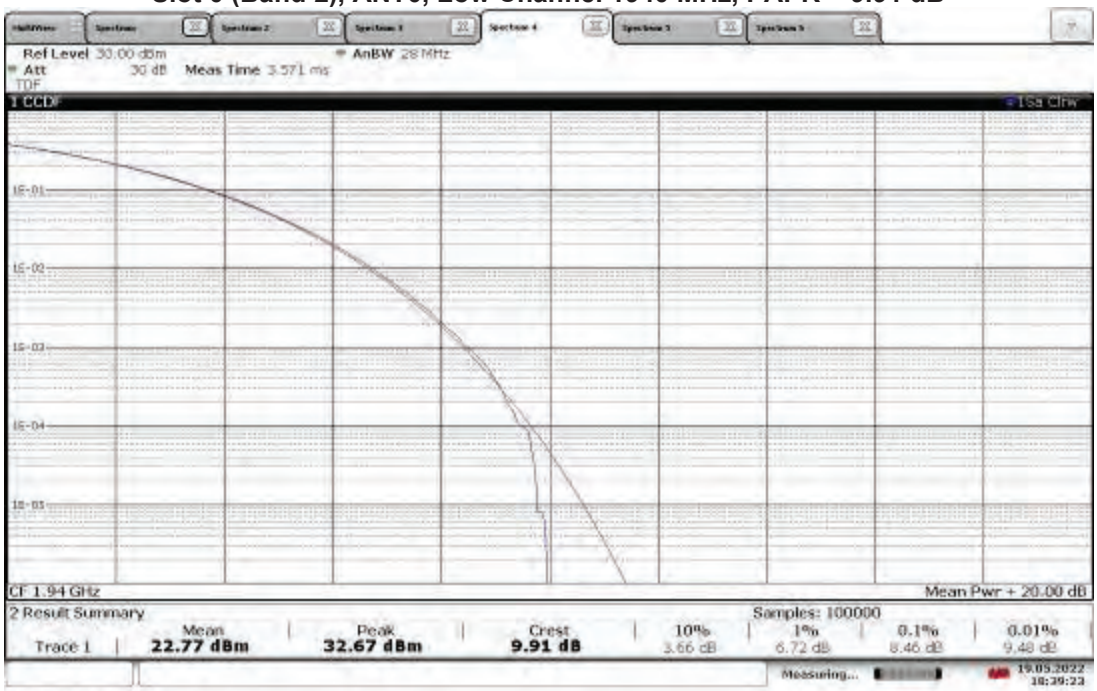
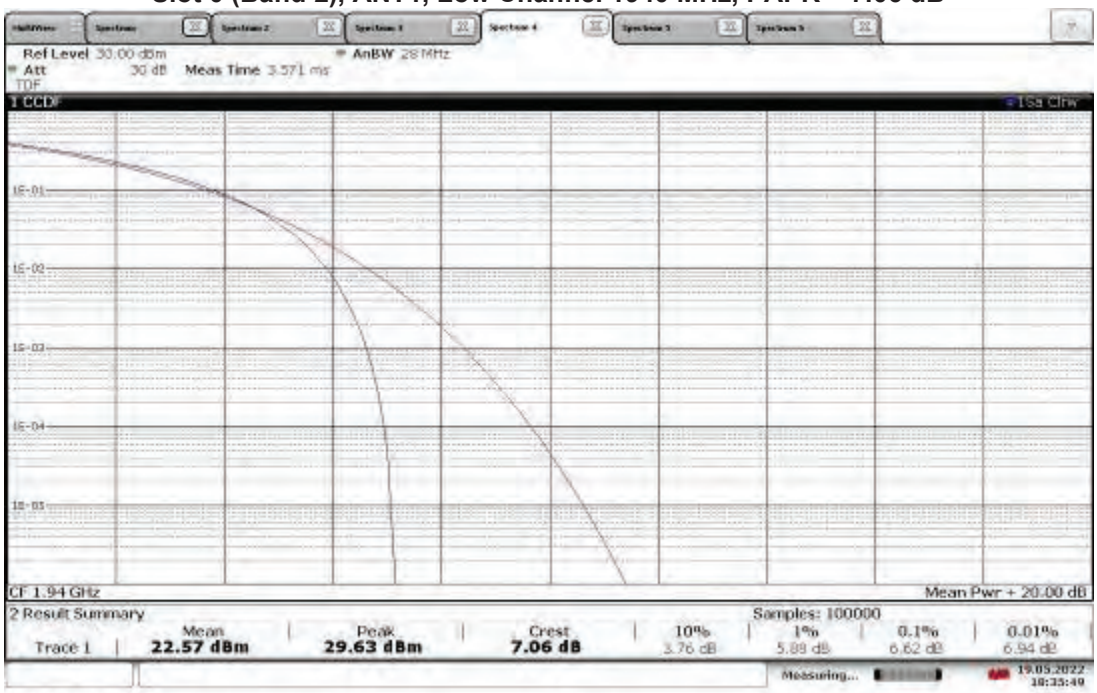
TM3.1-64QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1940 MHz, PAPR = 9.91 dB



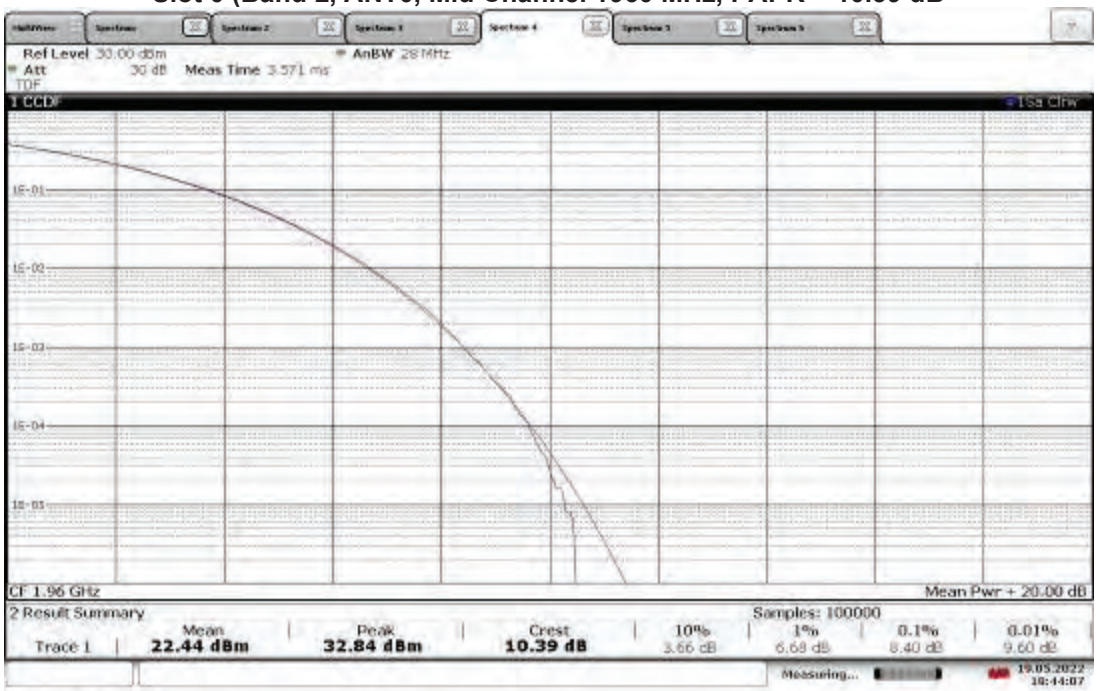
18:39:23 19.05.2022

TM3.1-64QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1940 MHz, PAPR = 7.06 dB



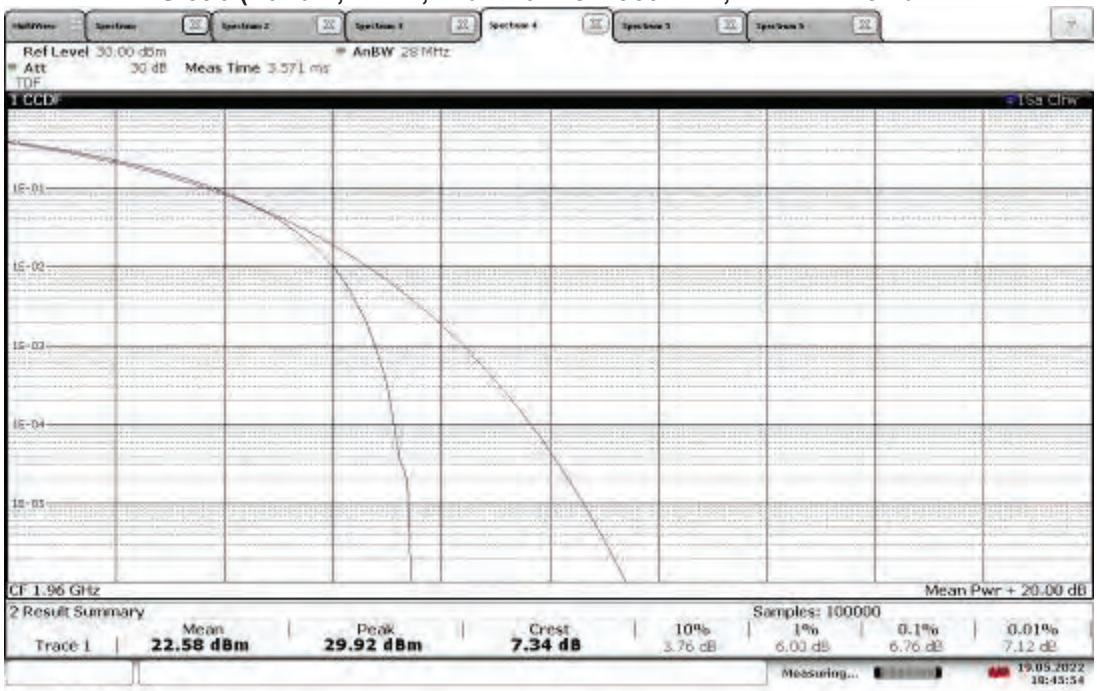
18:35:49 19.05.2022

TM3.1-64QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2, ANT0, Mid Channel 1960 MHz, PAPR = 10.39 dB



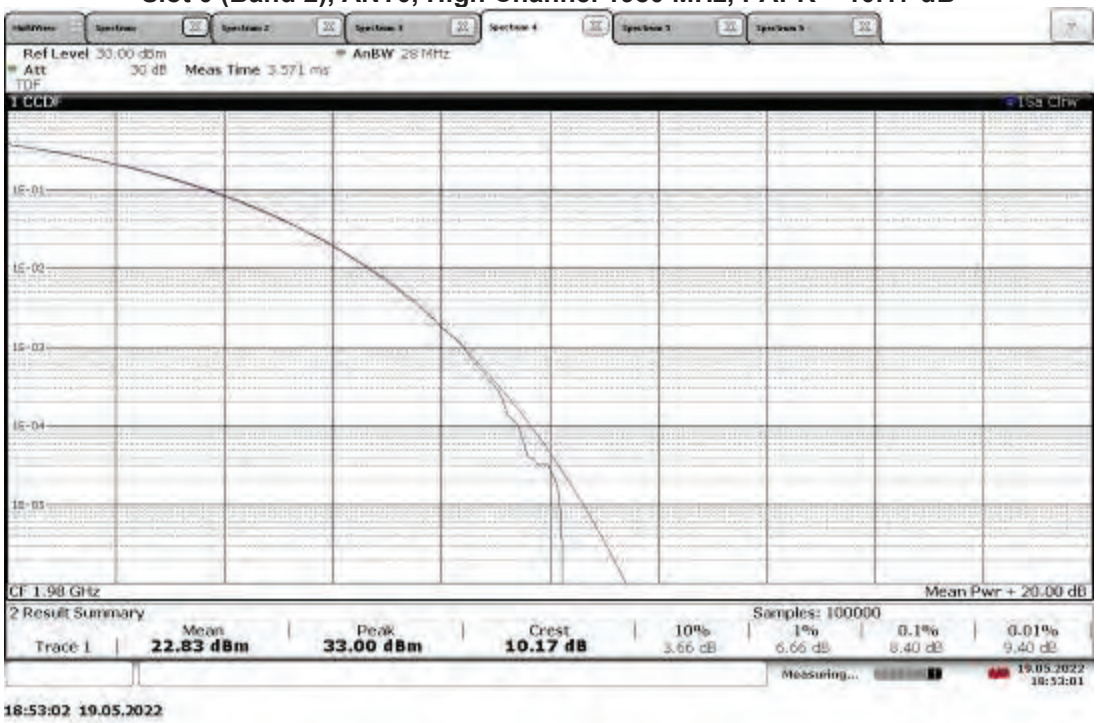
18:44:07 19.05.2022

TM3.1-64QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2, ANT1, Mid Channel 1960 MHz, PAPR = 7.34 dB



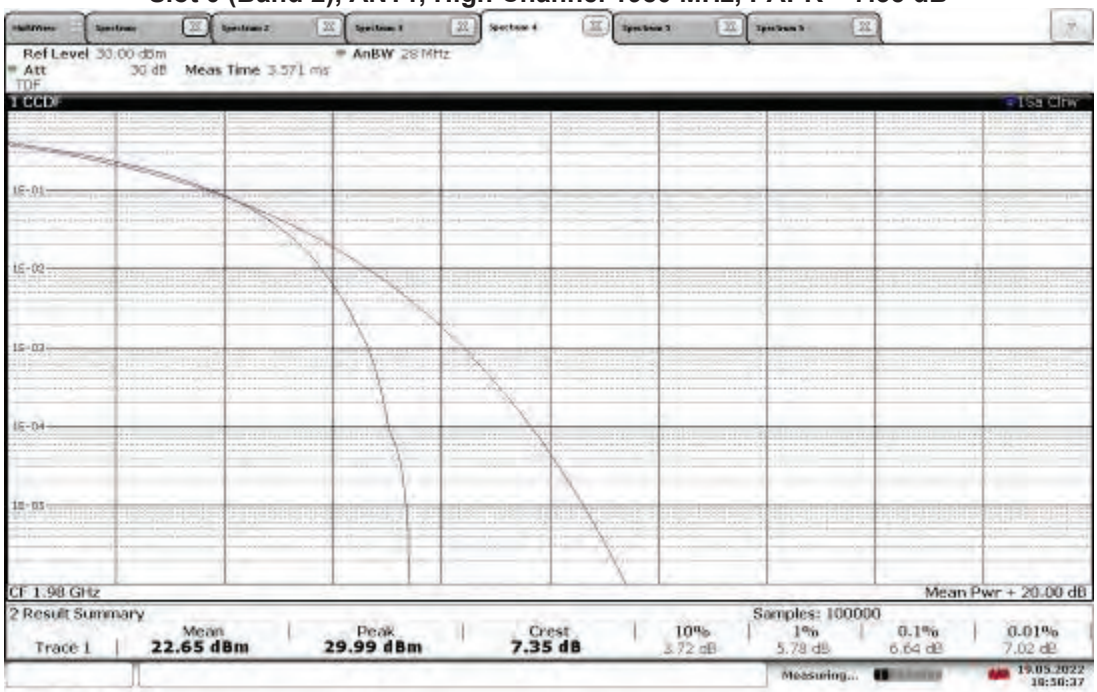
18:45:54 19.05.2022

TM3.1-64QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1980 MHz, PAPR = 10.17 dB



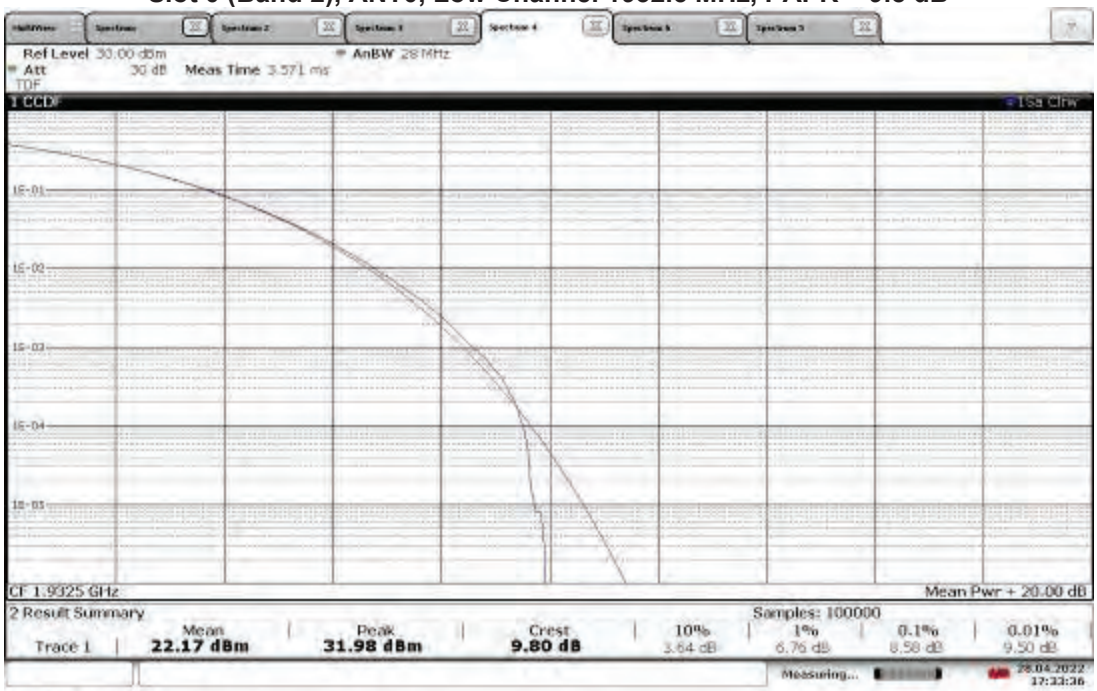
18:53:02 19.05.2022

TM3.1-64QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1980 MHz, PAPR = 7.35 dB



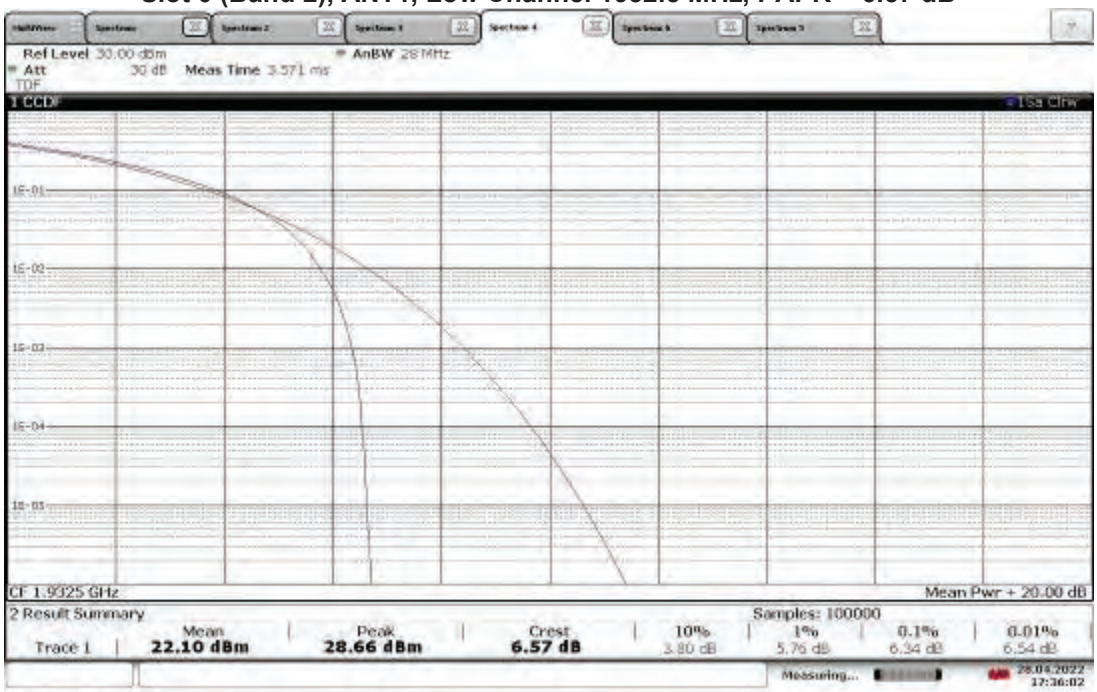
18:50:38 19.05.2022

TM3.1a - 256QAM_5MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1932.5 MHz, PAPR = 9.8 dB



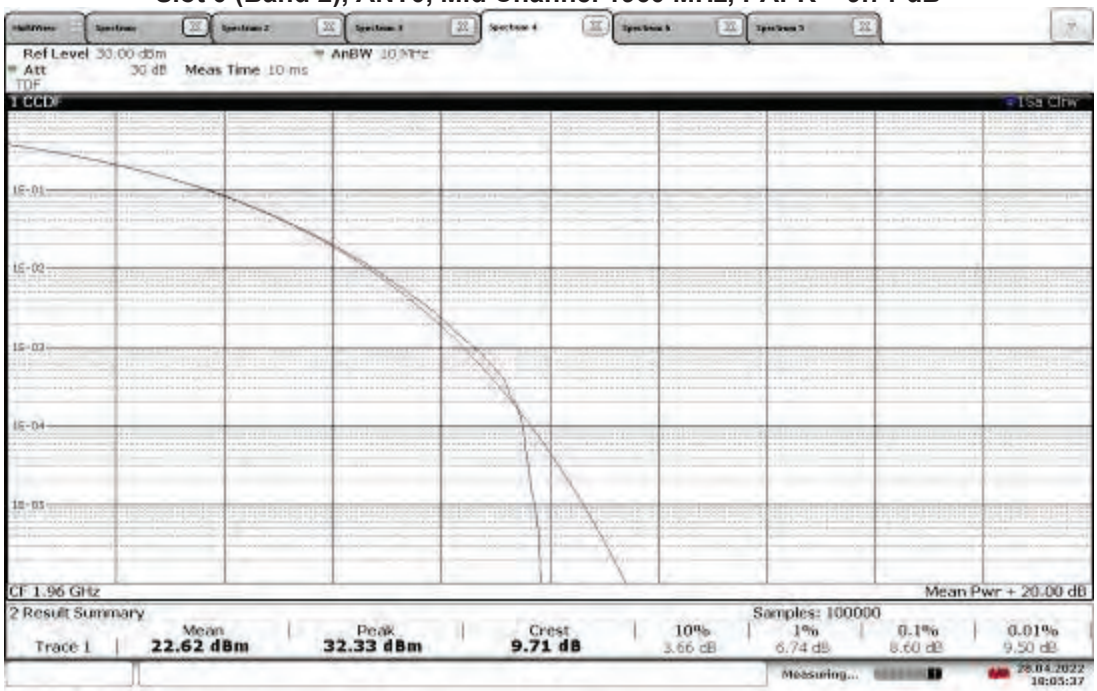
17:33:37 28.04.2022

TM3.1a - 256QAM_5MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1932.5 MHz, PAPR = 6.57 dB



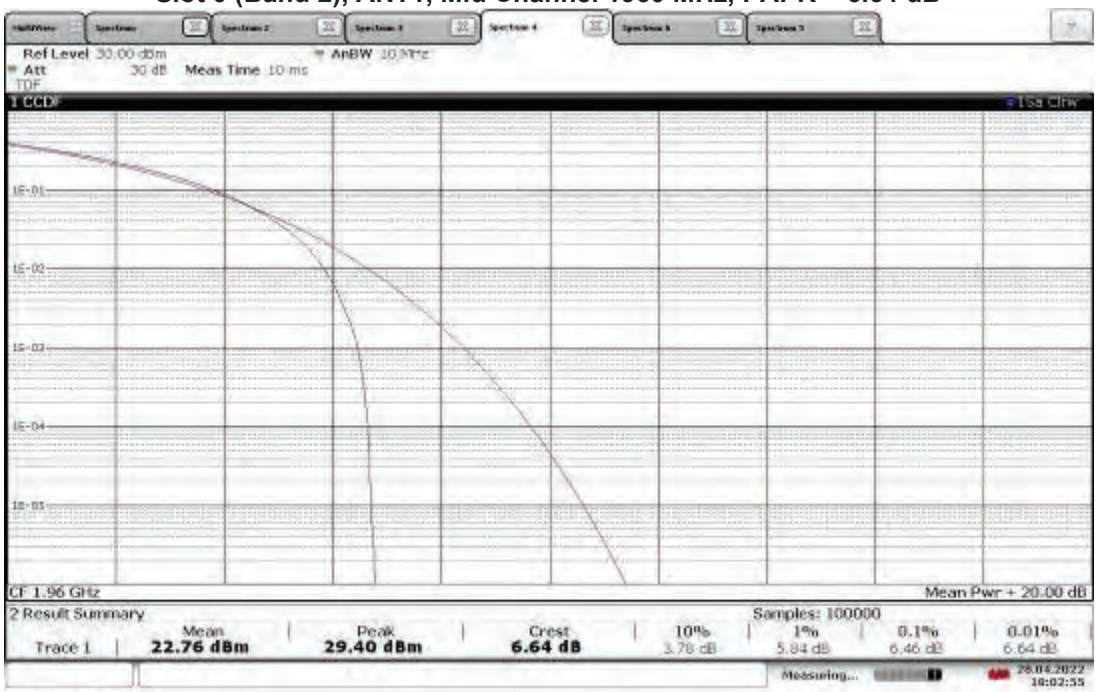
17:36:02 28.04.2022

TM3.1a - 256QAM_5MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz, PAPR = 9.71 dB



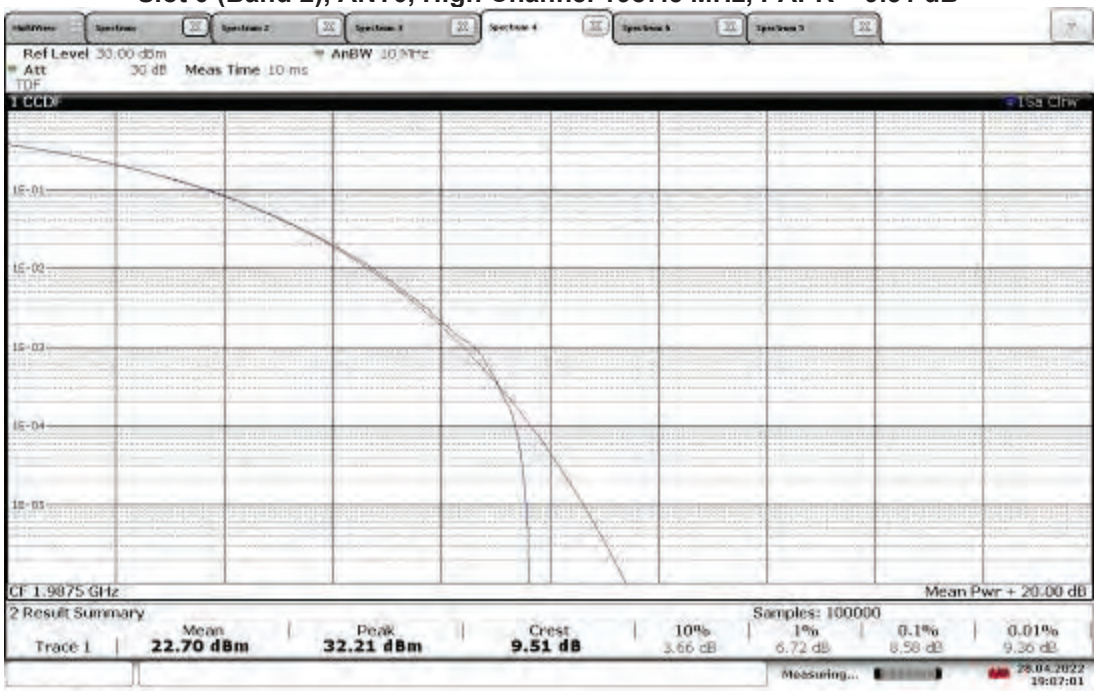
18:05:37 28.04.2022

TM3.1a - 256QAM_5MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz, PAPR = 6.64 dB



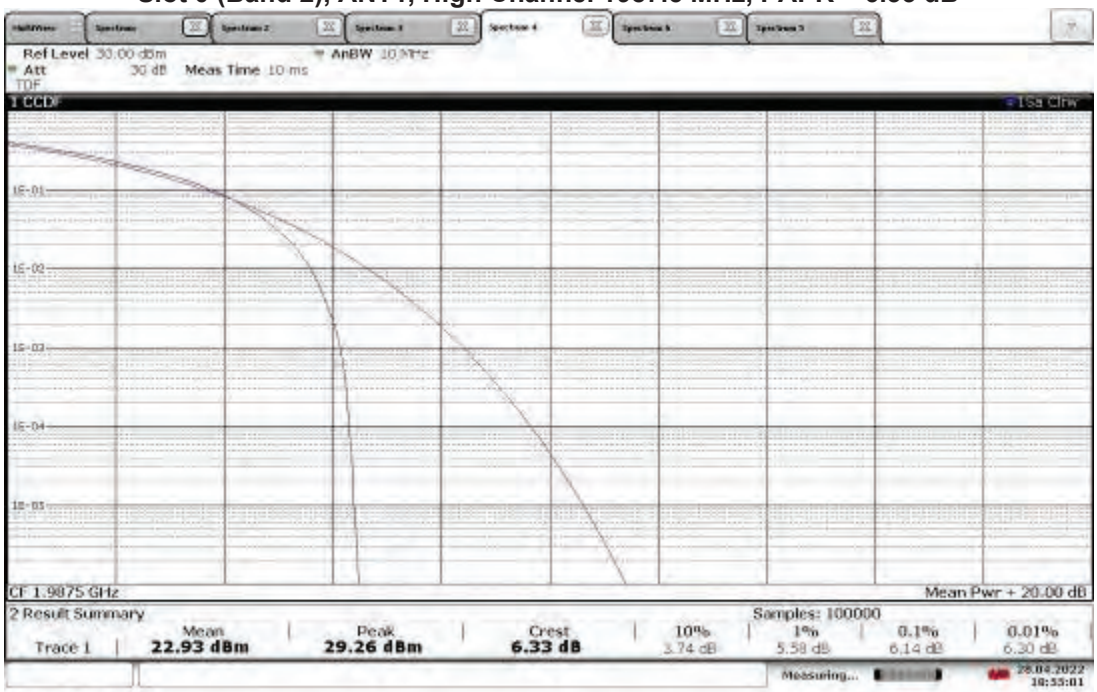
18:02:55 28.04.2022

TM3.1a - 256QAM_5MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1987.5 MHz, PAPR = 9.51 dB



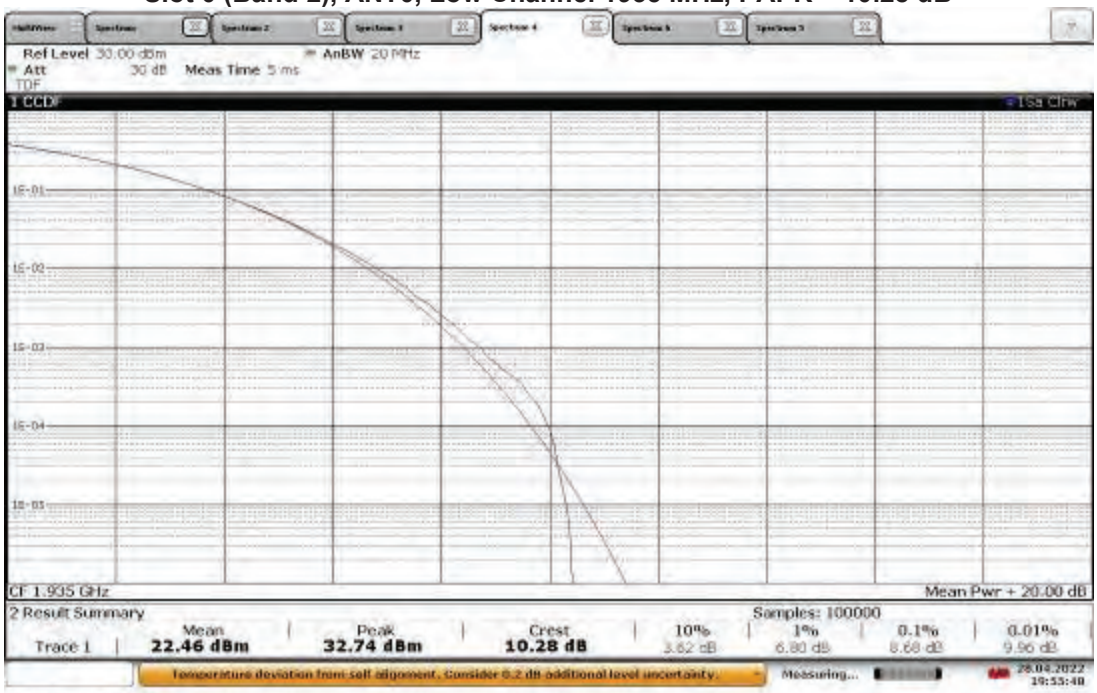
19:07:01 28.04.2022

TM3.1a - 256QAM_5MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1987.5 MHz, PAPR = 6.33 dB



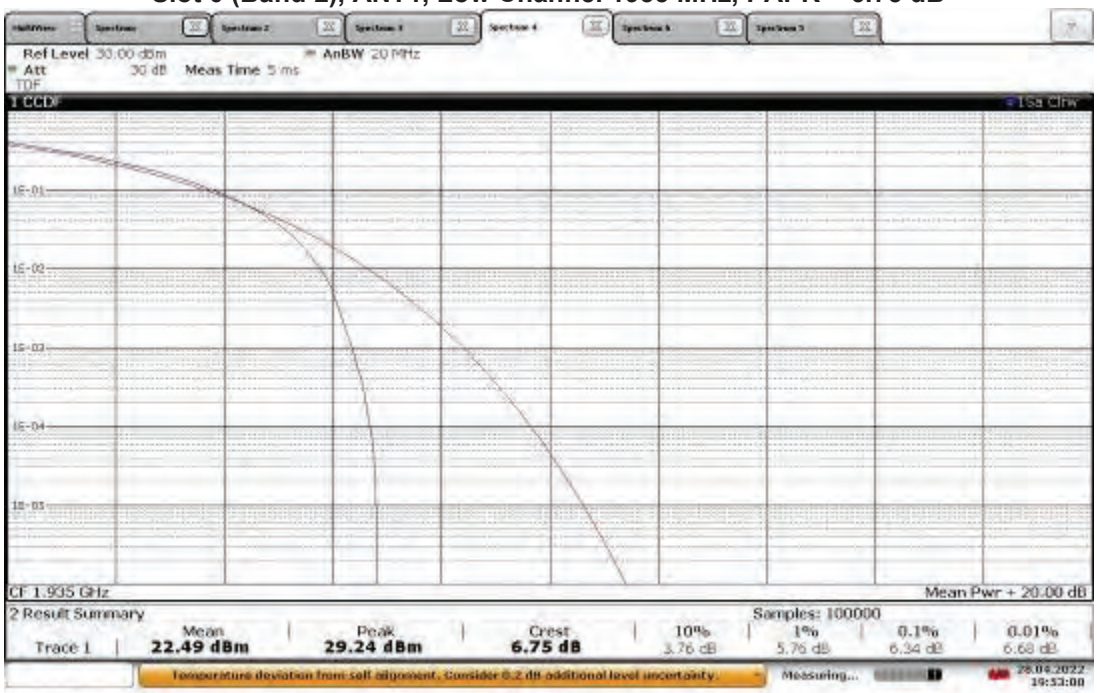
18:55:01 28.04.2022

TM3.1a - 256QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1935 MHz, PAPR = 10.28 dB



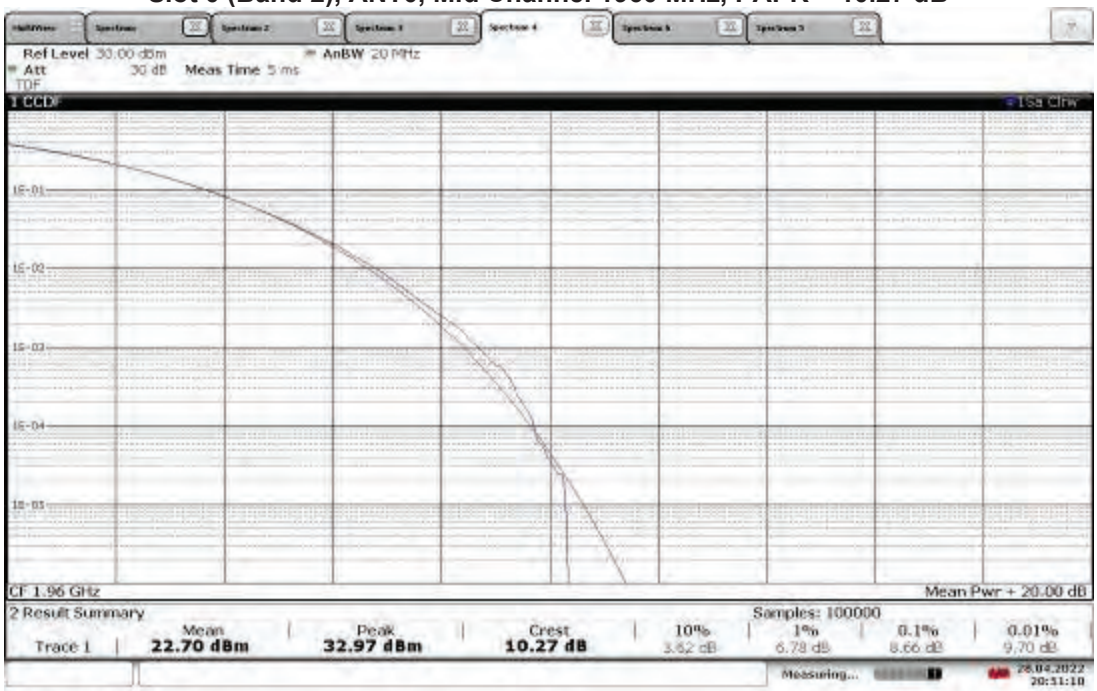
19:55:48 28.04.2022

TM3.1a - 256QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1935 MHz, PAPR = 6.75 dB

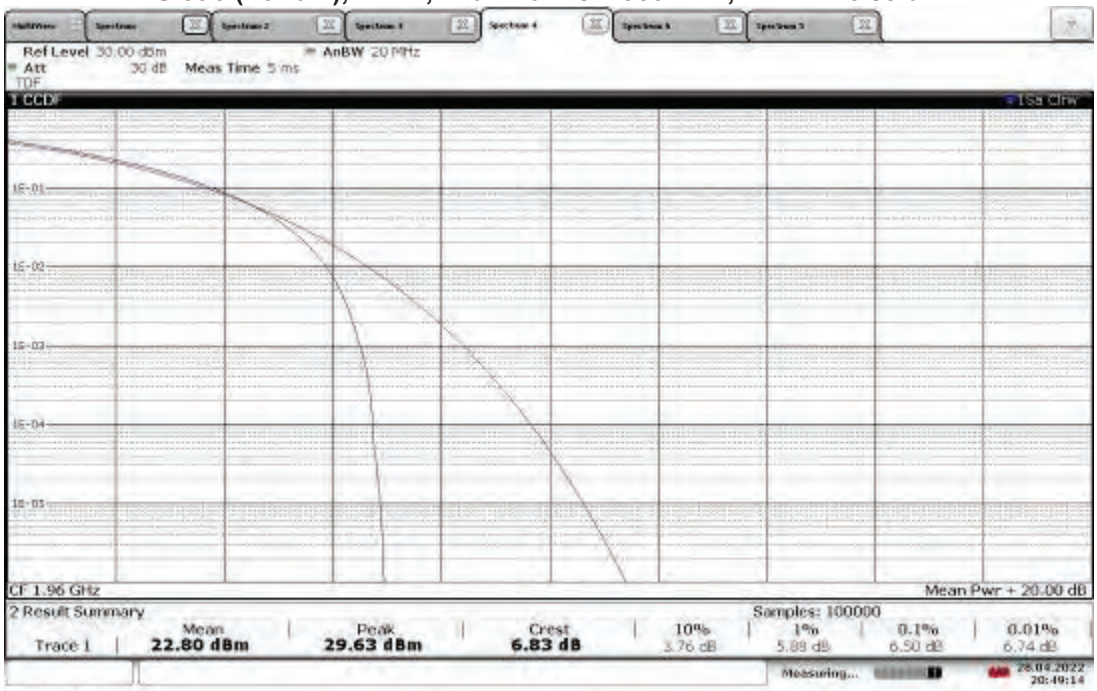


19:53:01 28.04.2022

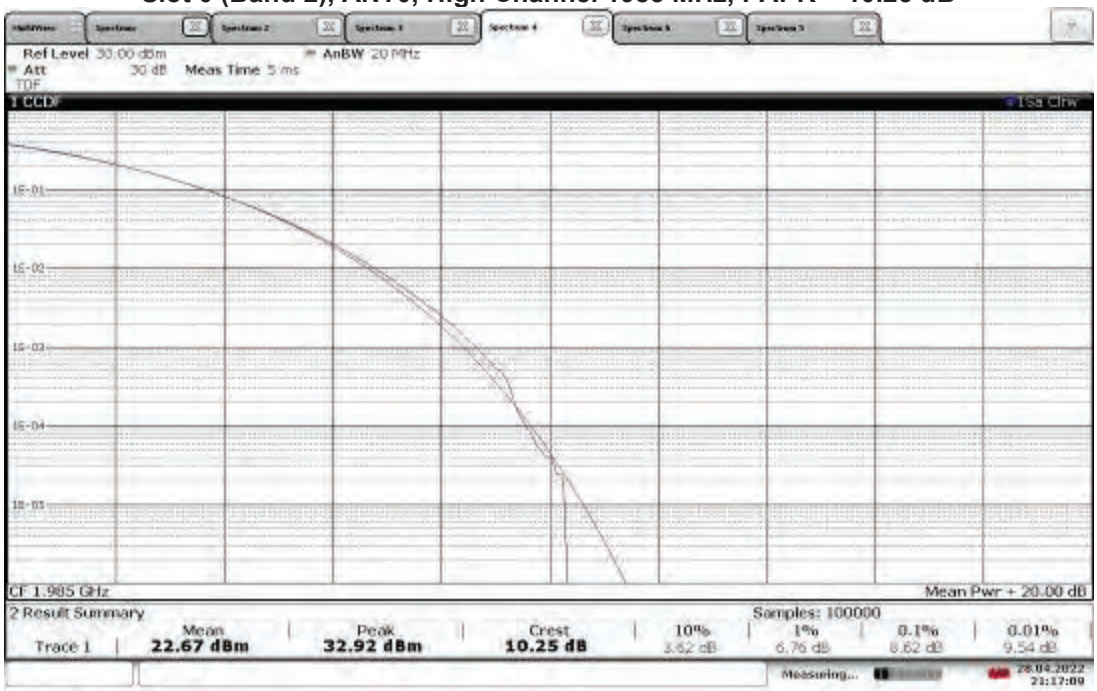
TM3.1a - 256QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz, PAPR = 10.27 dB



TM3.1a - 256QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz, PAPR = 6.83 dB

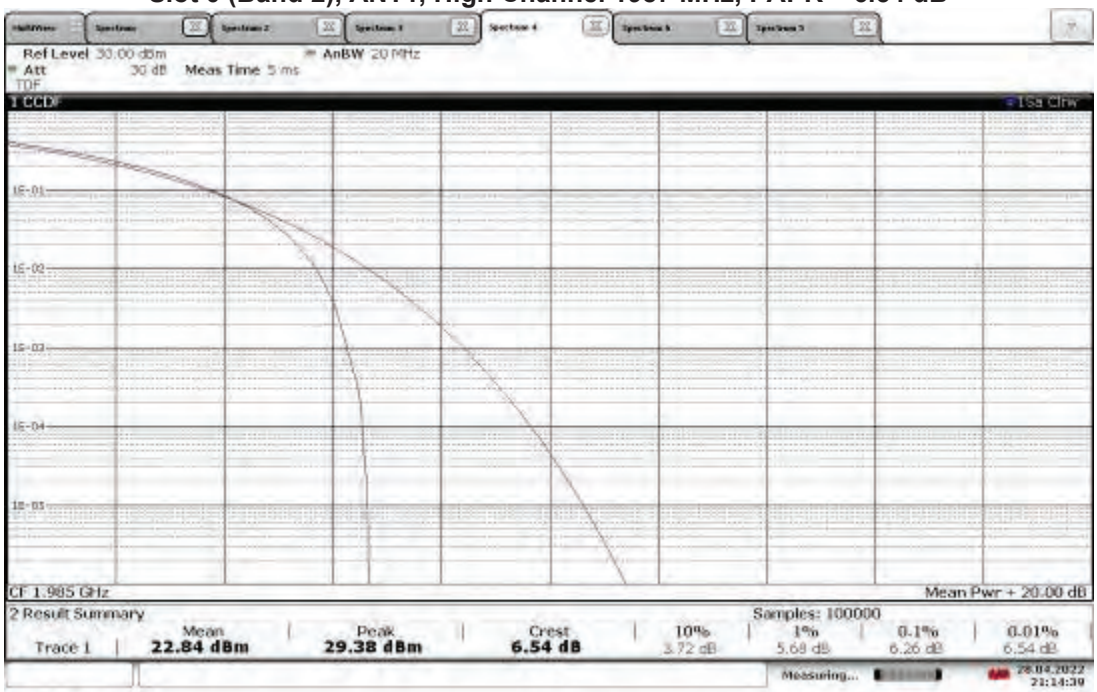


TM3.1a - 256QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1985 MHz, PAPR = 10.25 dB



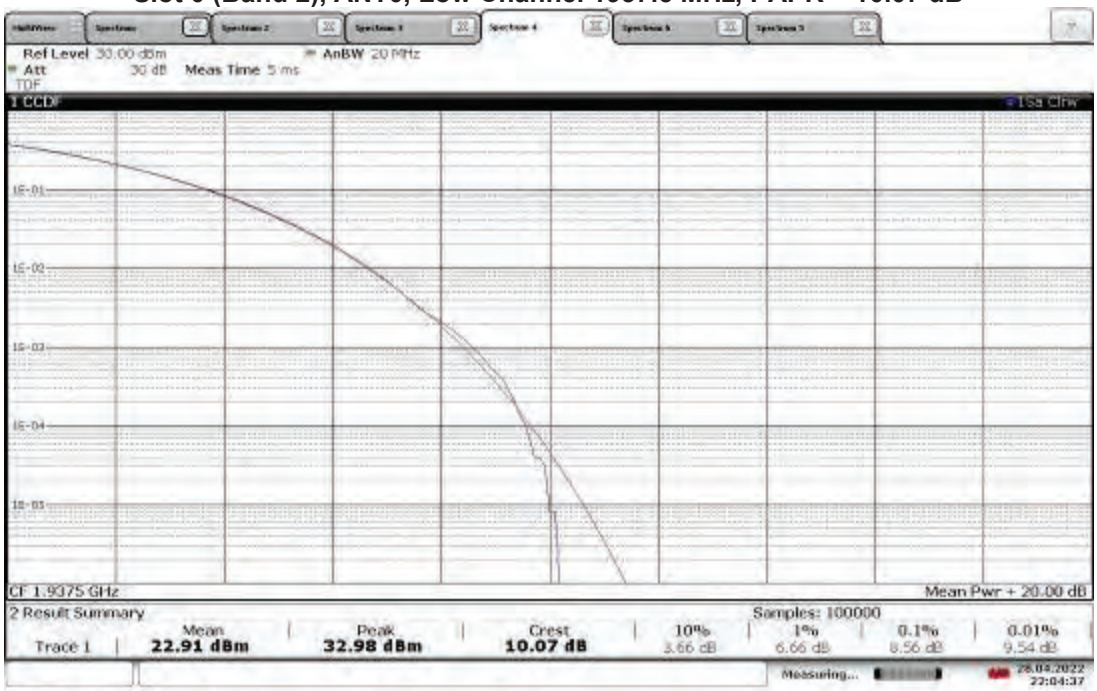
21:17:09 28.04.2022

TM3.1a - 256QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1987 MHz, PAPR = 6.54 dB



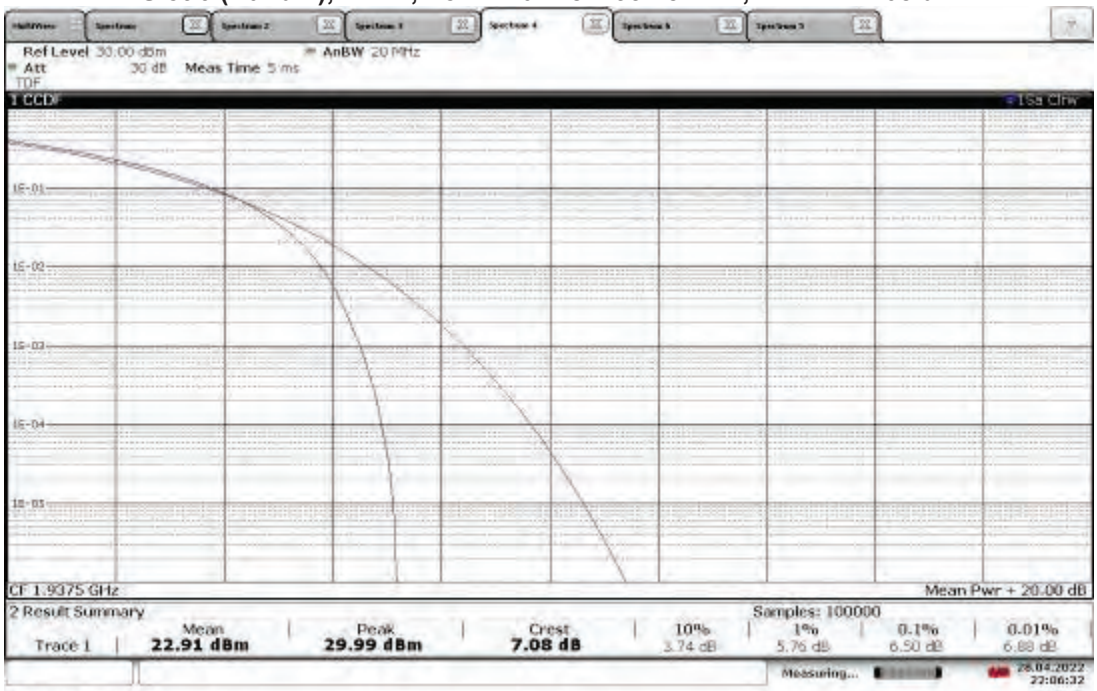
21:14:39 28.04.2022

TM3.1a - 256QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1937.5 MHz, PAPR = 10.07 dB



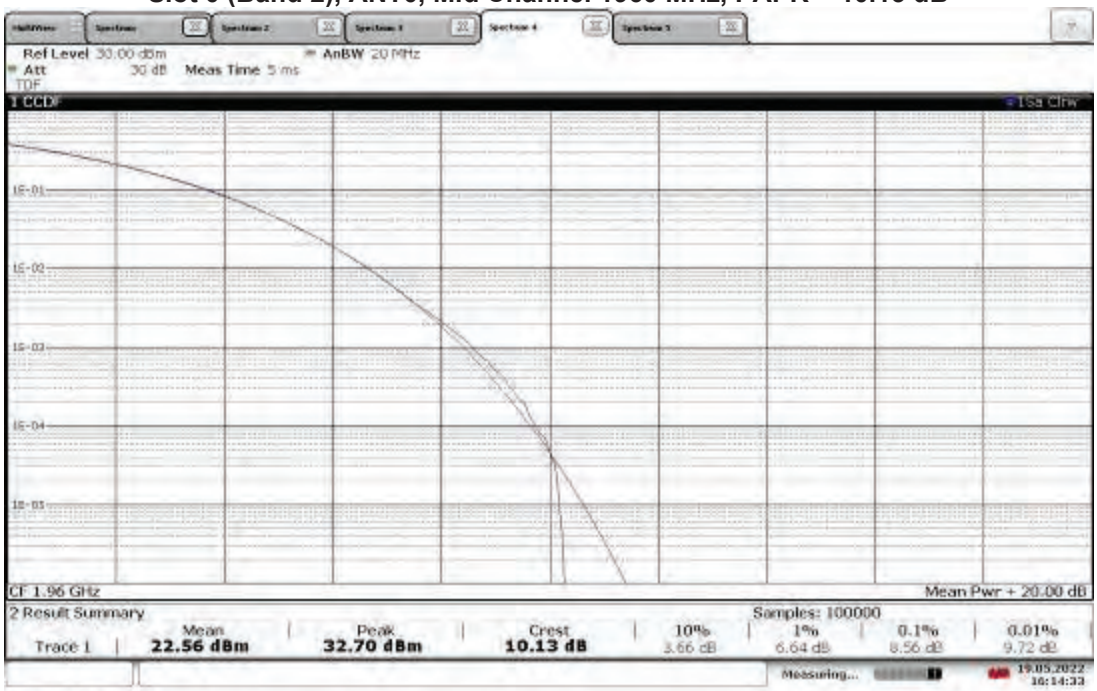
22:04:38 28.04.2022

TM3.1a - 256QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1937.5 MHz, PAPR = 7.08 dB



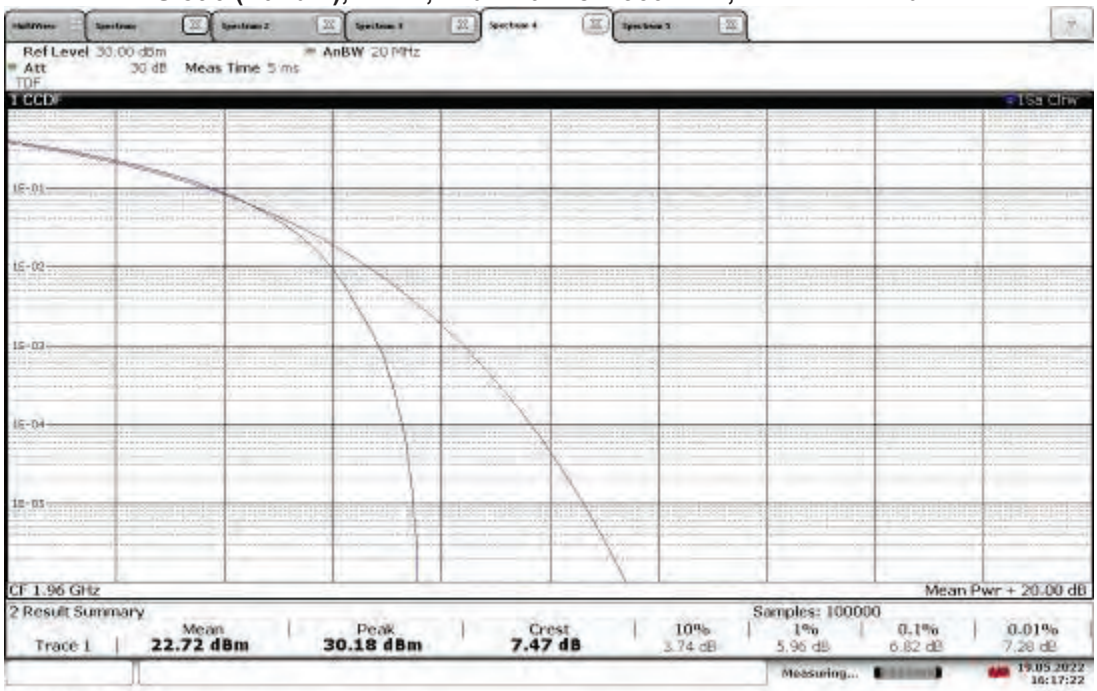
22:06:32 28.04.2022

TM3.1a - 256QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz, PAPR = 10.13 dB



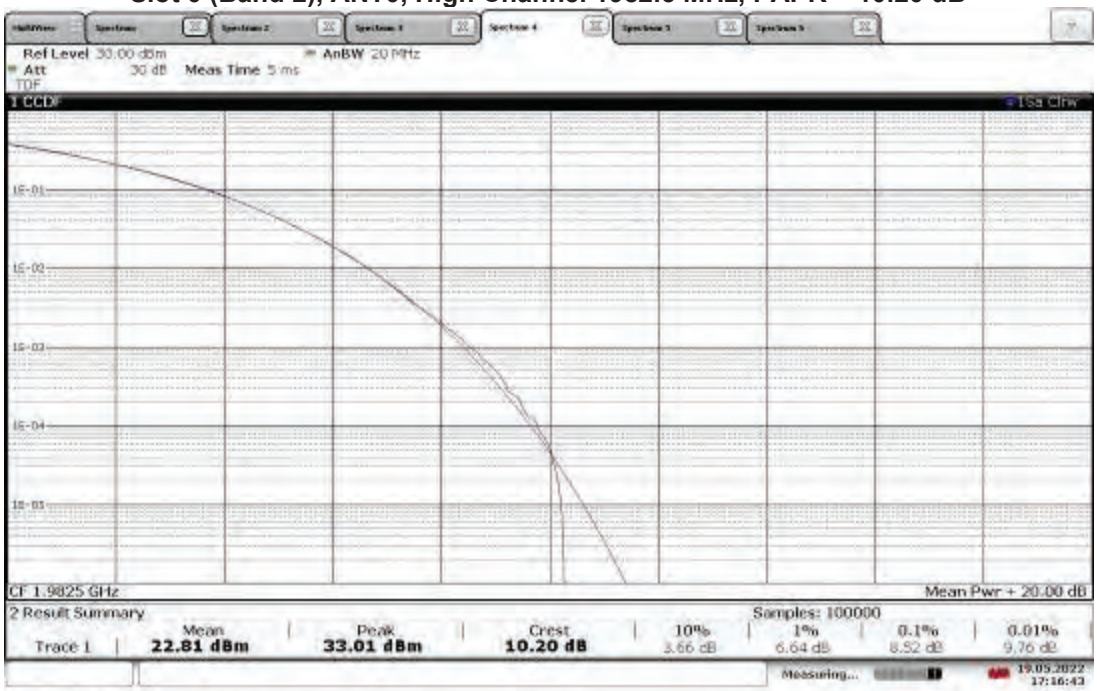
16:14:33 19.05.2022

TM3.1a - 256QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz, PAPR = 7.47 dB



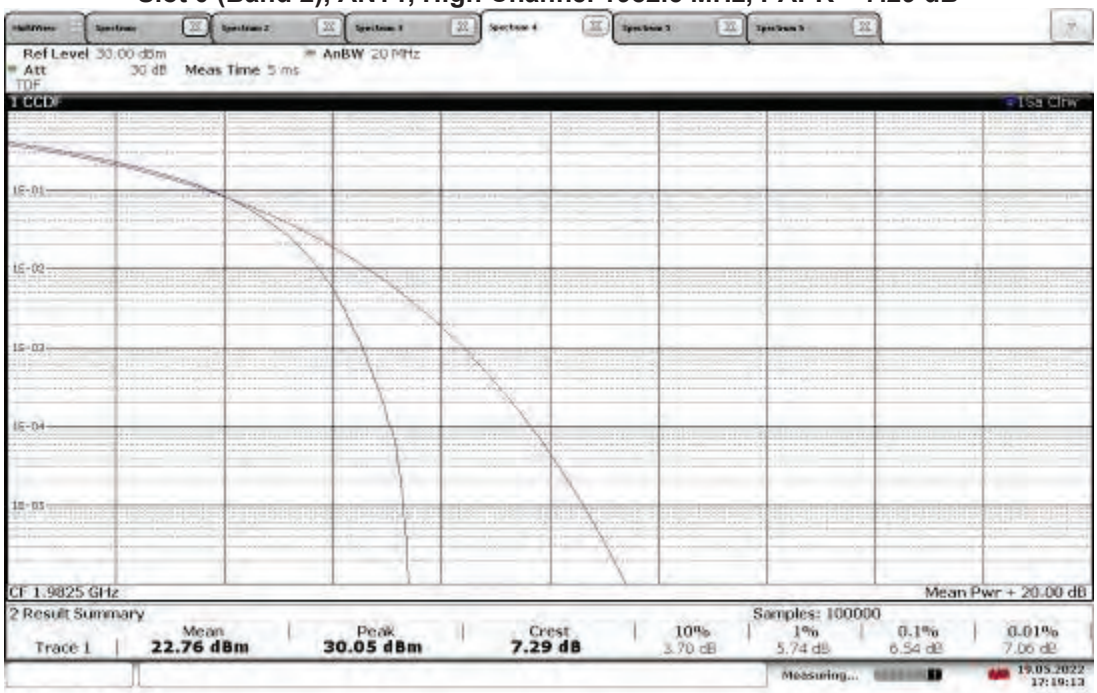
16:17:22 19.05.2022

TM3.1a - 256QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1982.5 MHz, PAPR = 10.20 dB



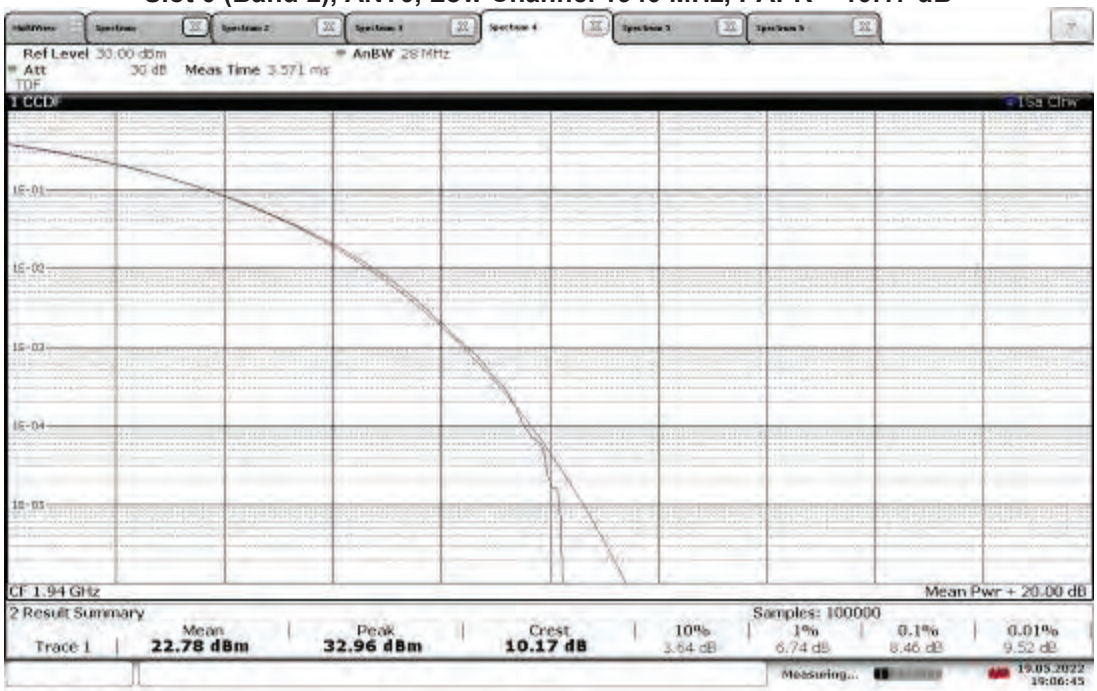
17:16:43 19.05.2022

TM3.1a - 256QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1982.5 MHz, PAPR = 7.29 dB



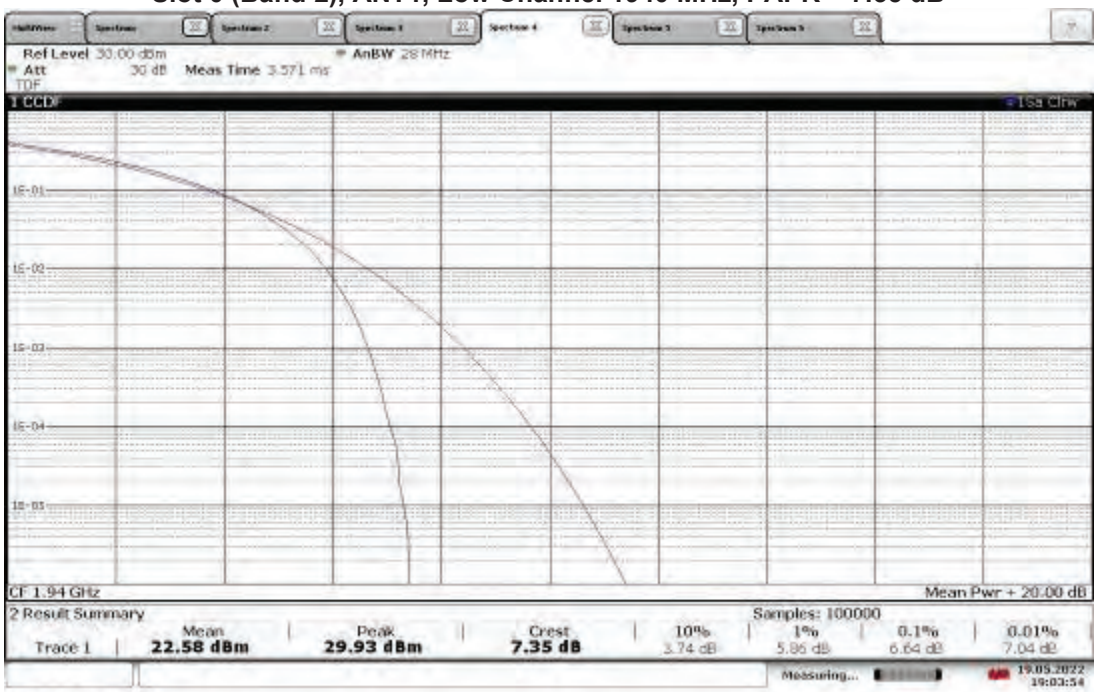
17:19:14 19.05.2022

TM3.1a - 256QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1940 MHz, PAPR = 10.17 dB



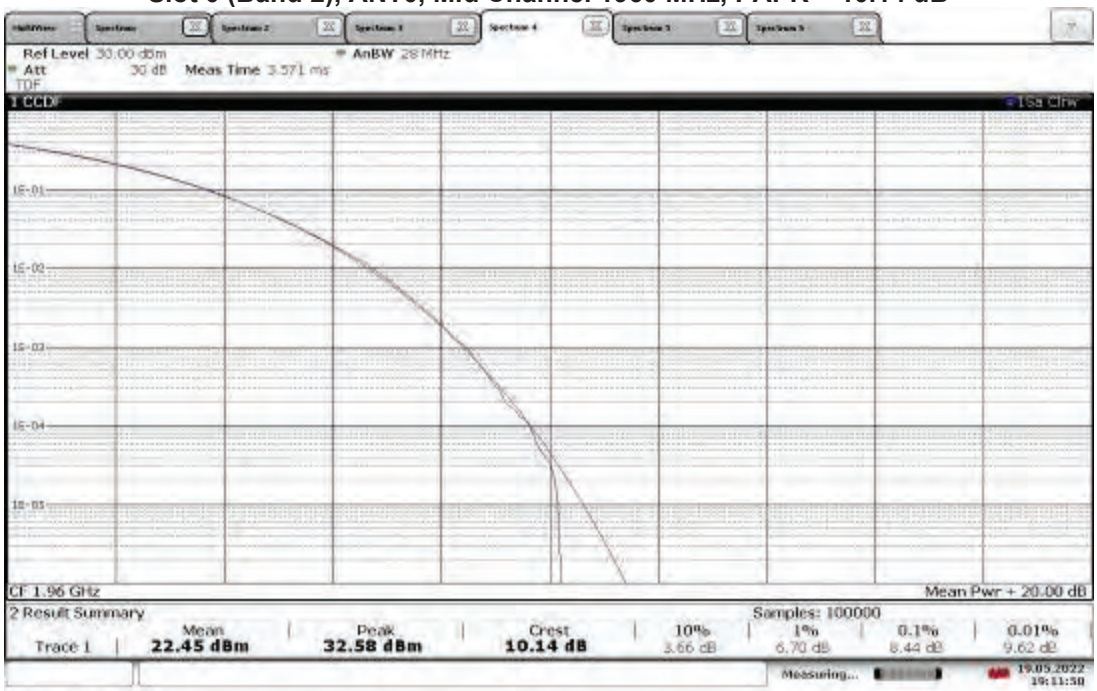
19:06:45 19.05.2022

TM3.1a - 256QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1940 MHz, PAPR = 7.35 dB



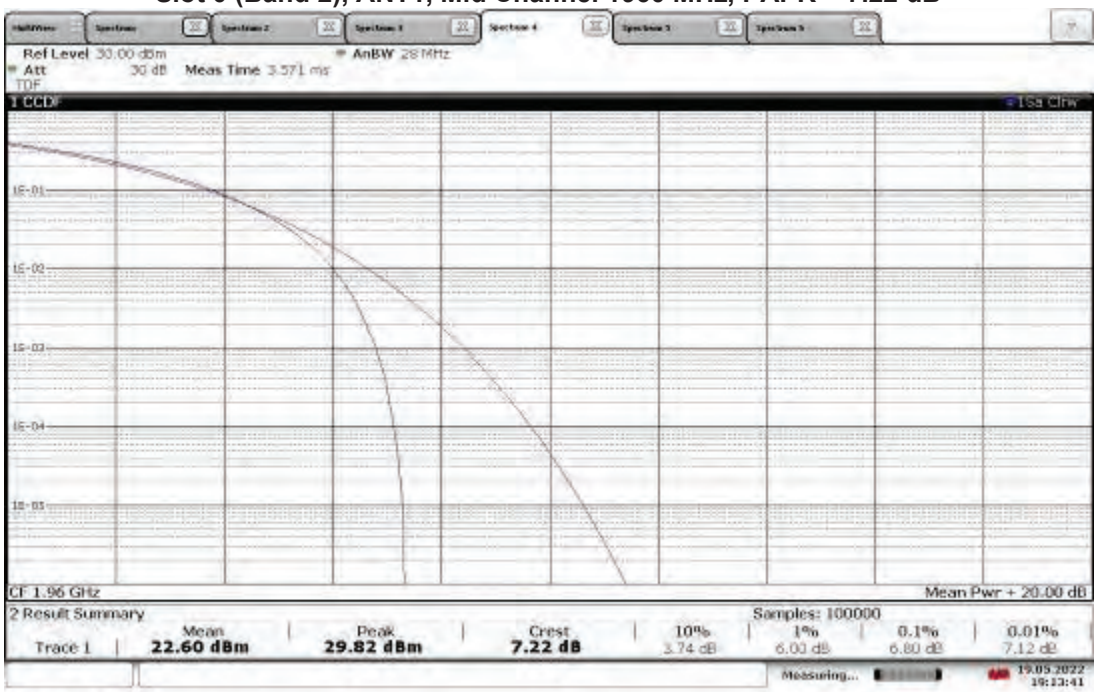
19:03:54 19.05.2022

TM3.1a - 256QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz, PAPR = 10.14 dB



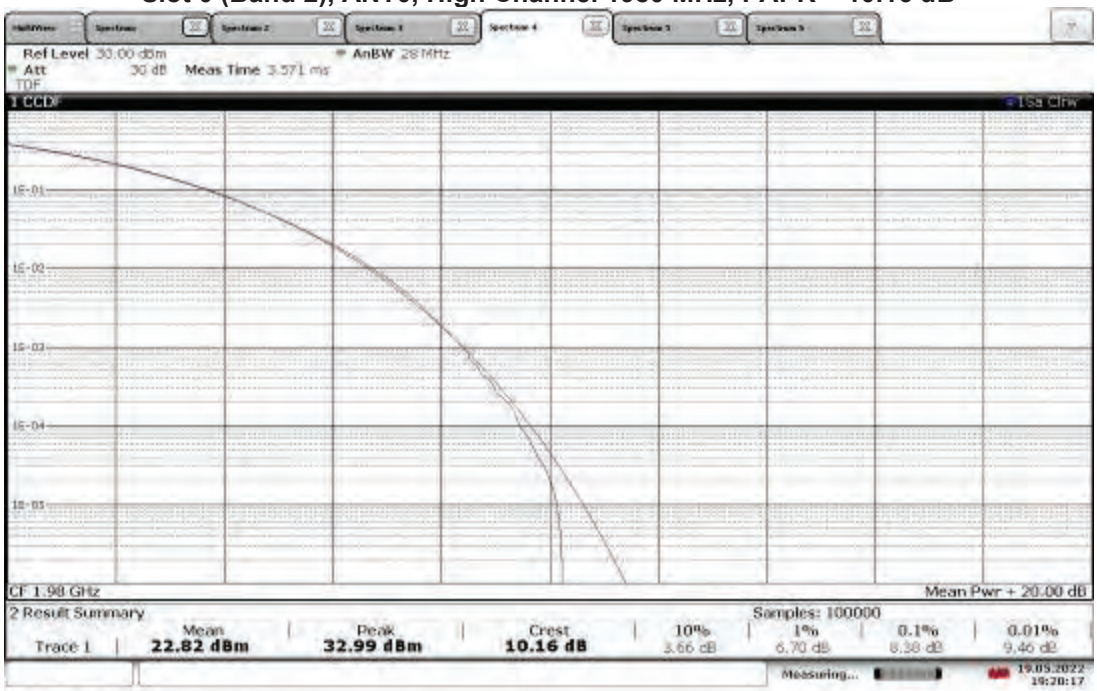
19:11:51 19.05.2022

TM3.1a - 256QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz, PAPR = 7.22 dB



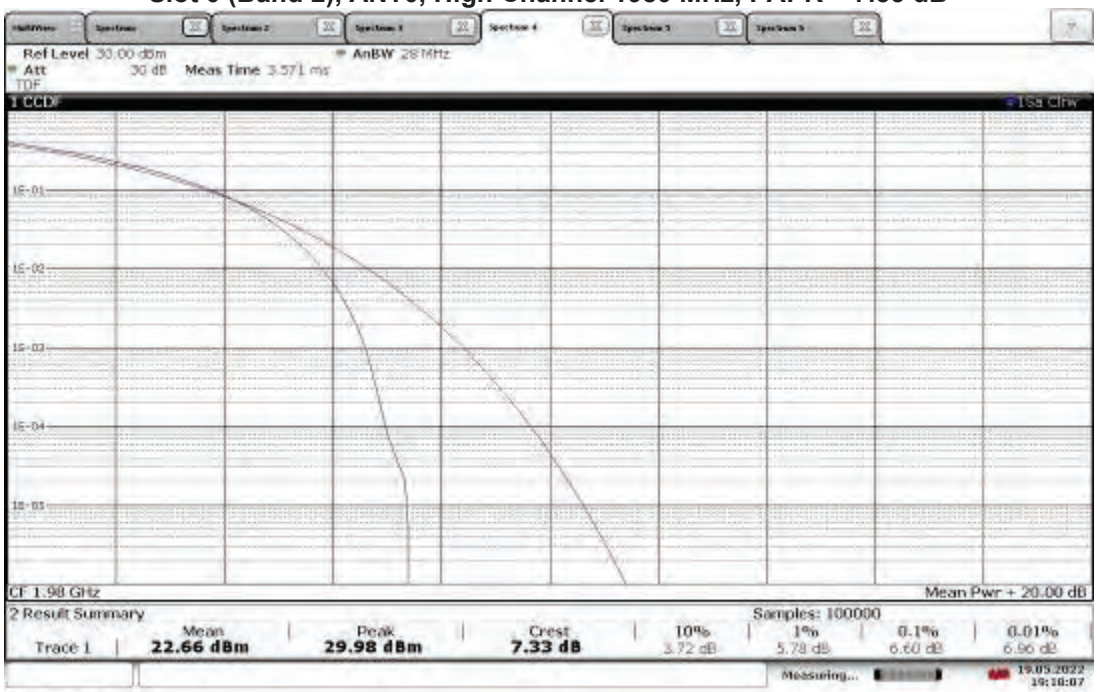
19:13:42 19.05.2022

TM3.1a - 256QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1980 MHz, PAPR = 10.16 dB



19:20:17 19.05.2022

TM3.1a - 256QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1980 MHz, PAPR = 7.33 dB



19:18:07 19.05.2022

Test Personnel:	Kouma Sinn KPS	Test Date:	04/18/2022, 04/19/2022, 04/21/2022, 05/12/2022
Supervising/Reviewing Engineer: (Where Applicable)	Vathana F. Ven VFV		
Product Standard:	FCC Part 24	Limit Applied:	See report section 7.3
Input Voltage:	48 VDC (POE)		
Pretest Verification w/ Ambient Signals or BB Source:	N/A	Ambient Temperature:	25, 25, 24, 25 ºC
		Relative Humidity:	18, 34, 23, 46 %
		Atmospheric Pressure:	1015, 988, 1024, 1017 mbars

Deviations, Additions, or Exclusions: None

8 26 dB Bandwidth and Occupied Bandwidth

8.1 Method

Tests are performed in accordance with ANSI C63.26, CFR47 FCC Part §24, and CFR47 FCC Part §2.1049.

TEST SITE: EMC Lab

The EMC Lab has one Semi-anechoic Chamber and one Shielded Chamber. AC Mains Power is available at 120, 230, and 277 Single Phase; 208, 400, and 480 3-Phase. Large reference ground-planes are installed in the general lab area to facilitate EMC work not requiring a shielded environment.

8.2 Test Equipment Used:

Asset	Description	Manufacturer	Model	Serial	Cal Date	Cal Due
DAV005'	Weather Station	Davis	6250	MS191218083	02/11/2022	02/11/2023
ROS005-1'	Signal and Spectrum Analyzer	Rohde and Shwartz	FSW43	100646	11/02/2021	11/02/2022
CEN001'	DC-40GHz attenuator 20dB	Centric RF	C411-20	CEN001	01/26/2022	01/26/2023
CBLHF2012-2M-2'	2m 9kHz-40GHz Coaxial Cable - SET2	Huber & Suhner	SF102	252675002	02/10/2023	02/10/2023

Software Utilized:

Name	Manufacturer	Version
None	--	--

8.3 Results:

The sample tested was found to Comply.

FCC Part §24.238(b) The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

FCC Part §2.1049: The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission.

Slot 0 (Band 2), Bandwidth: 5 MHz, Modulation: TM1.1-QPSK (5G NR)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1932.50	ANT0	4.471	4.93
		ANT1	4.500	5.02
Mid	1960.00	ANT0	4.472	4.94
		ANT1	4.507	5.21
High	1987.50	ANT0	4.472	4.94
		ANT1	4.512	5.69

Slot 0 (Band 2), Bandwidth: 10 MHz, Modulation: TM1.1-QPSK (5G NR)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1935	ANT0	9.321	10.01
		ANT1	9.295	10.07
Mid	1960	ANT0	9.303	10.02
		ANT1	9.330	10.01
High	1985	ANT0	9.304	10.03
		ANT1	9.337	10.02

Slot 0 (Band 2), Bandwidth: 15 MHz, Modulation: TM1.1-QPSK (5G NR)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1937.50	ANT0	14.180	15.23
		ANT1	14.222	15.79
Mid	1960.00	ANT0	14.181	15.26
		ANT1	14.222	15.82
High	1982.50	ANT0	14.190	15.29
		ANT1	14.225	16.03

Slot 0 (Band 2), Bandwidth: 20 MHz, Modulation: TM1.1-QPSK (5G NR)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1940	ANT0	18.906	20.18
		ANT1	18.923	20.26
Mid	1960	ANT0	18.906	20.18
		ANT1	18.935	20.34
High	1980	ANT0	18.924	20.30
		ANT1	18.972	20.38

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1932.50	ANT0	4.517	4.91
		ANT1	4.541	4.93
Mid	1960.00	ANT0	4.521	4.91
		ANT1	4.540	5.00
High	1987.50	ANT0	4.513	4.90
		ANT1	4.538	4.97

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1935	ANT0	9.234	9.88
		ANT1	9.252	9.85
Mid	1960	ANT0	9.231	9.88
		ANT1	9.258	9.87
High	1985	ANT0	9.235	9.85
		ANT1	9.264	9.86

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1937.50	ANT0	14.205	15.11
		ANT1	14.207	15.20
Mid	1960.00	ANT0	14.172	15.20
		ANT1	14.222	15.26
High	1982.50	ANT0	14.178	15.20
		ANT1	14.253	15.29

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1940	ANT0	18.982	20.10
		ANT1	19.004	20.18
Mid	1960	ANT0	18.985	20.06
		ANT1	19.021	20.14
High	1980	ANT0	19.000	20.10
		ANT1	19.057	20.22

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1932.50	ANT0	4.480	4.90
		ANT1	4.507	4.93
Mid	1960.00	ANT0	4.481	4.93
		ANT1	4.498	4.93
High	1987.50	ANT0	4.481	4.94
		ANT1	4.504	4.95

Slot 0 (Band 2), Bandwidth: 10 MHz, Modulation: TM3.1-64QAM (5G NR)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1935	ANT0	9.300	10.00
		ANT1	9.321	10.03
Mid	1960	ANT0	9.304	9.93
		ANT1	9.322	9.94
High	1985	ANT0	9.305	10.00
		ANT1	9.329	9.99

Slot 0 (Band 2), Bandwidth: 15 MHz, Modulation: TM3.1-64QAM (5G NR)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1937.50	ANT0	14.130	15.24
		ANT1	14.163	15.18
Mid	1960.00	ANT0	14.135	15.20
		ANT1	14.174	15.31
High	1982.50	ANT0	14.142	15.22
		ANT1	14.198	15.40

Slot 0 (Band 2), Bandwidth: 20 MHz, Modulation: TM3.1-64QAM (5G NR)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1940	ANT0	18.900	20.30
		ANT1	18.927	20.26
Mid	1960	ANT0	18.908	20.26
		ANT1	18.943	20.22
High	1980	ANT0	18.925	20.26
		ANT1	18.975	20.30

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

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1932.50	ANT0	4.481	4.94
		ANT1	4.496	4.96
Mid	1960.00	ANT0	4.481	4.94
		ANT1	4.494	4.93
High	1987.50	ANT0	4.479	4.94
		ANT1	4.500	4.93

Slot 0 (Band 2), Bandwidth: 10 MHz, Modulation: TM3.1a-256QAM (5G NR)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1935	ANT0	9.290	10.02
		ANT1	9.308	10.08
Mid	1960	ANT0	9.302	10.01
		ANT1	9.318	10.01
High	1985	ANT0	9.300	10.02
		ANT1	9.325	10.09

Slot 0 (Band 2), Bandwidth: 15 MHz, Modulation: TM3.1a-256QAM (5G NR)

Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1937.50	ANT0	14.138	15.20
		ANT1	14.147	15.05
Mid	1960.00	ANT0	14.137	15.26
		ANT1	14.161	15.26
High	1982.50	ANT0	14.140	15.26
		ANT1	14.183	15.26

Slot 0 (Band 2), Bandwidth: 20 MHz, Modulation: TM3.1a-256QAM (5G NR)

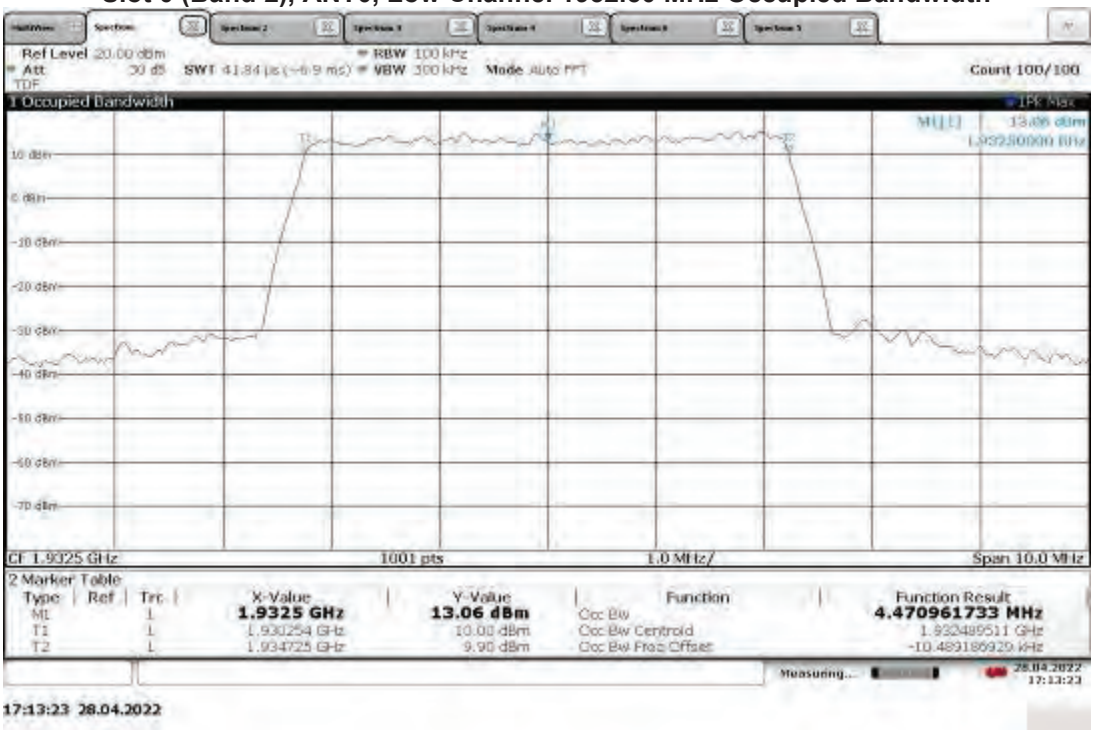
Channel	Frequency (MHz)	Antenna Port	Occupied BW (MHz)	26 dB BW (MHz)
Low	1940	ANT0	18.921	20.30
		ANT1	18.938	20.42
Mid	1960	ANT0	18.934	20.34
		ANT1	18.961	20.34
High	1980	ANT0	18.950	20.34
		ANT1	18.998	20.46

8.4 Setup Photograph:

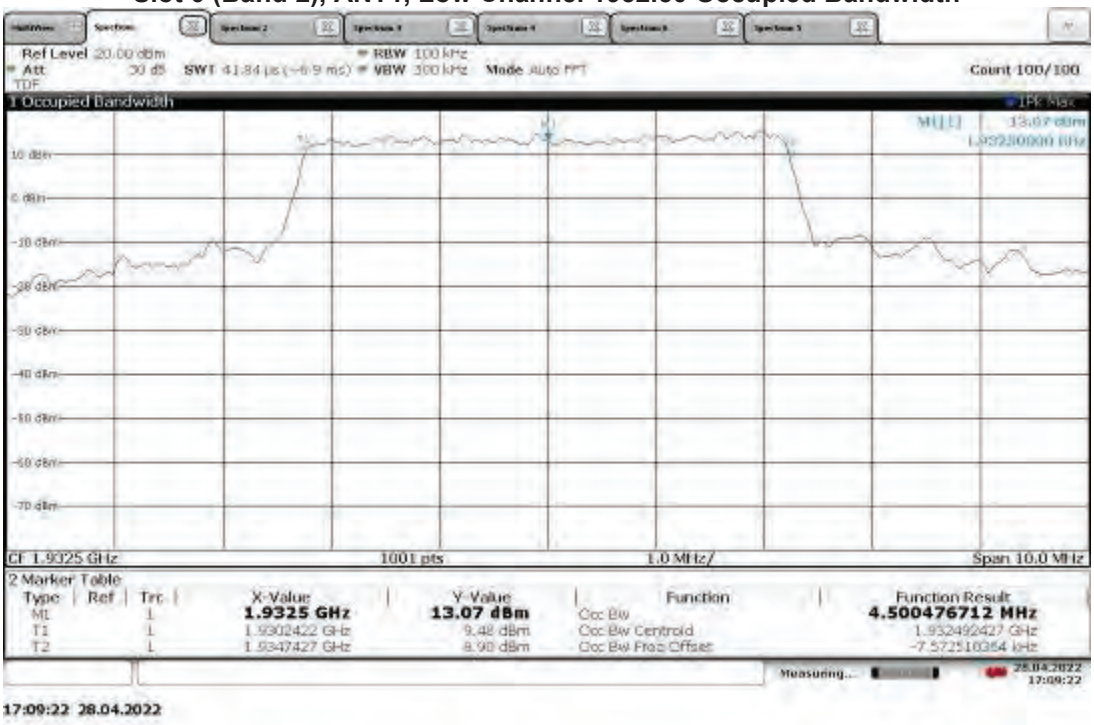
Confidential – Photos not included in this report

8.5 Plots/Data:

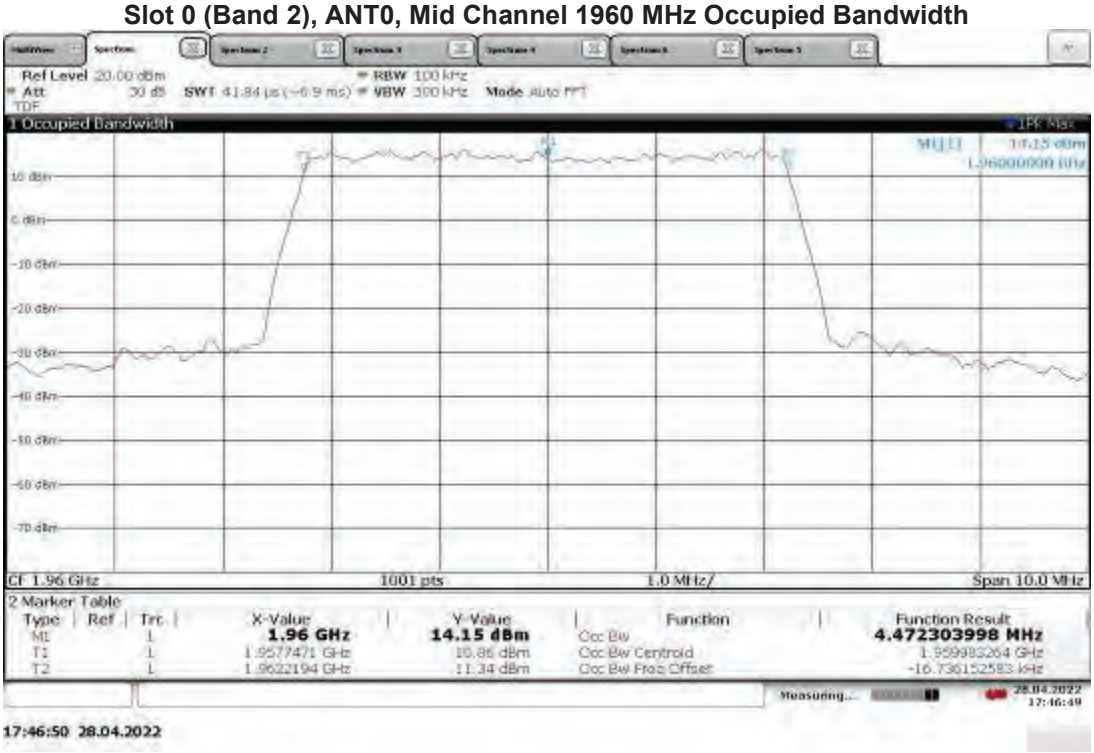
TM1.1-QPSK_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1932.50 MHz Occupied Bandwidth



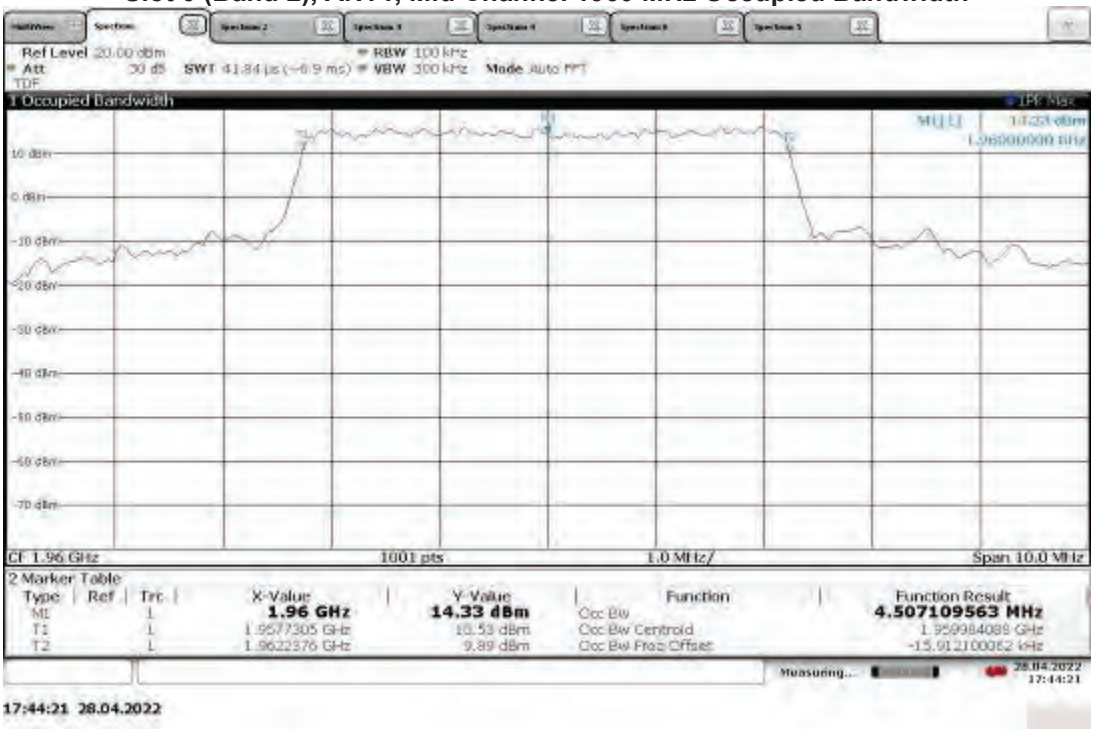
TM1.1-QPSK_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1932.50 Occupied Bandwidth



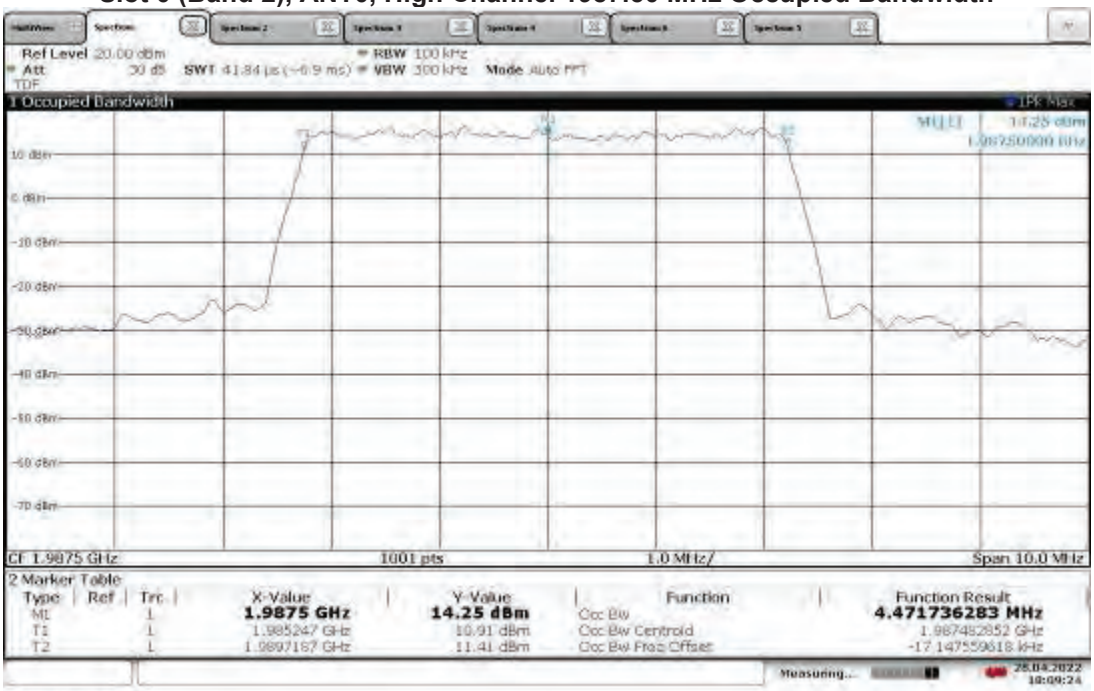
TM1.1-QPSK_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz Occupied Bandwidth



TM1.1-QPSK_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz Occupied Bandwidth



TM1.1-QPSK_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1987.50 MHz Occupied Bandwidth



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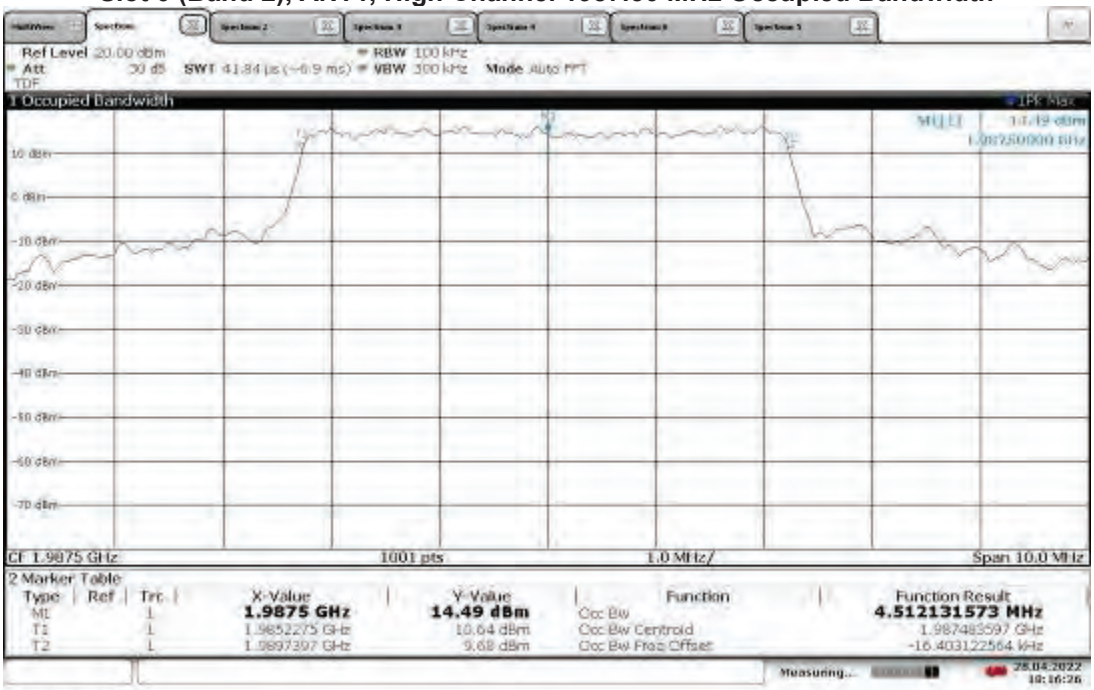
TM1.1-QPSK_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1987.50 MHz Occupied Bandwidth



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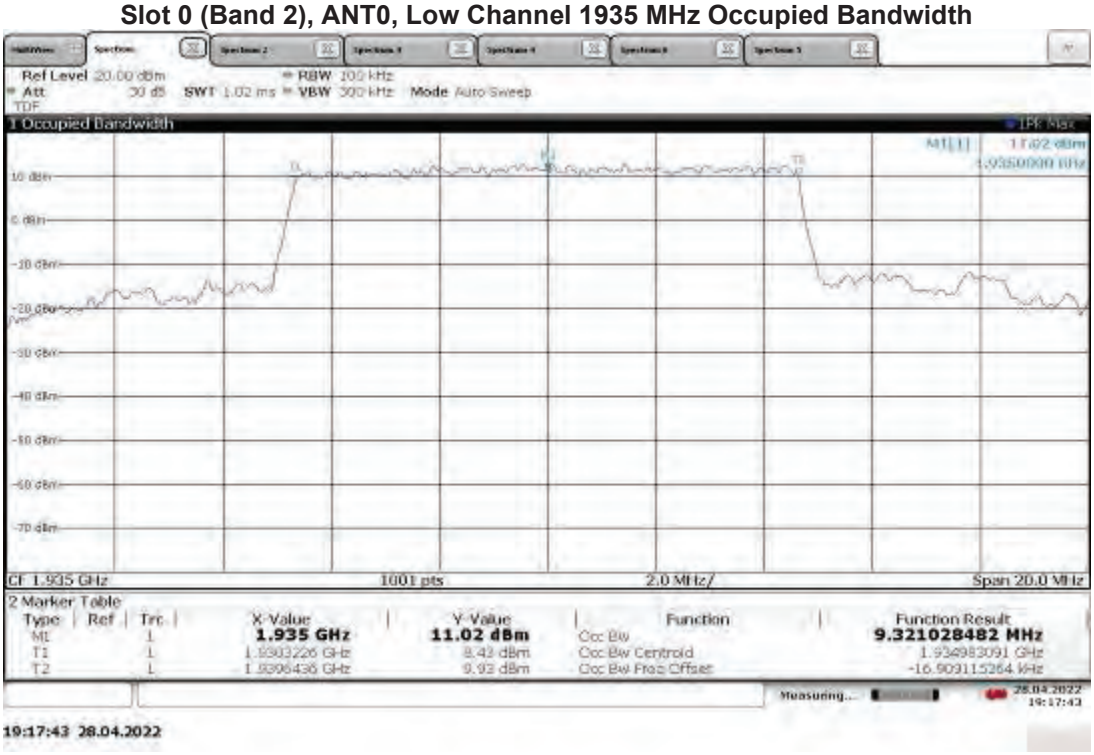
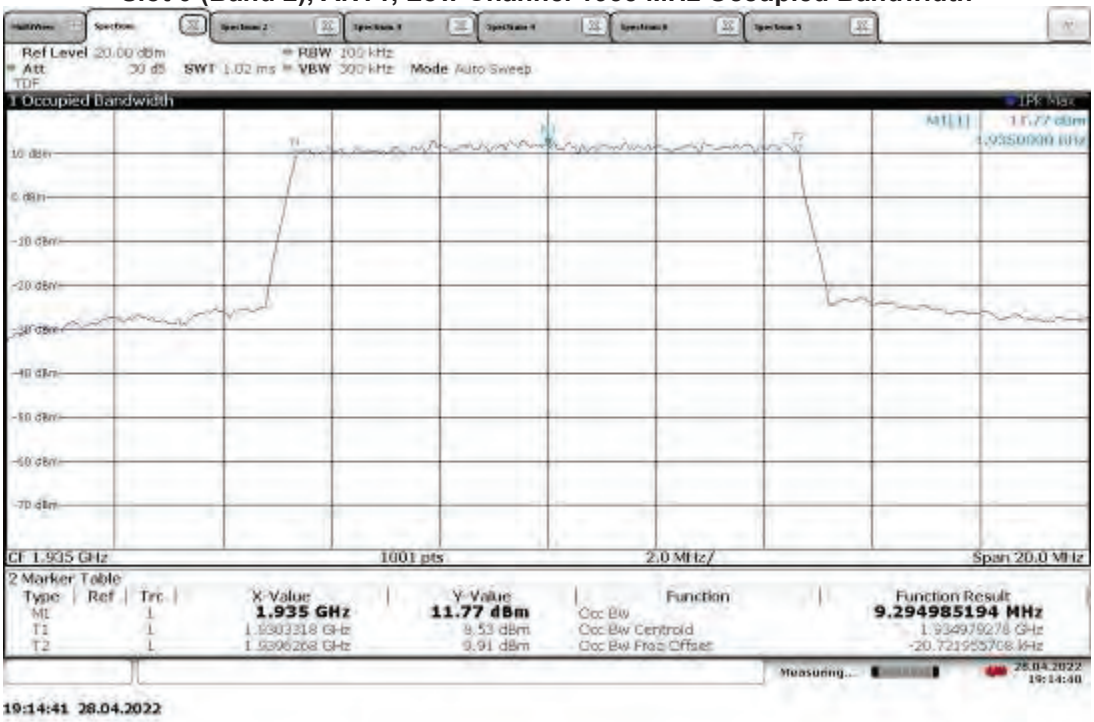
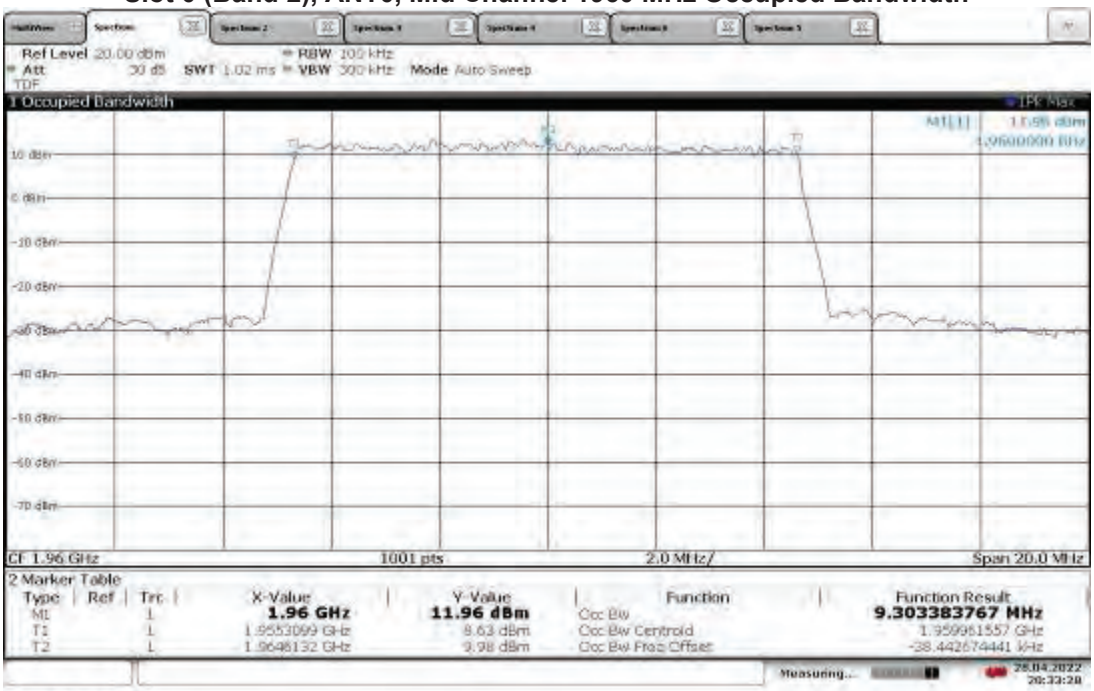
TM1.1-QPSK_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1935 MHz Occupied Bandwidth



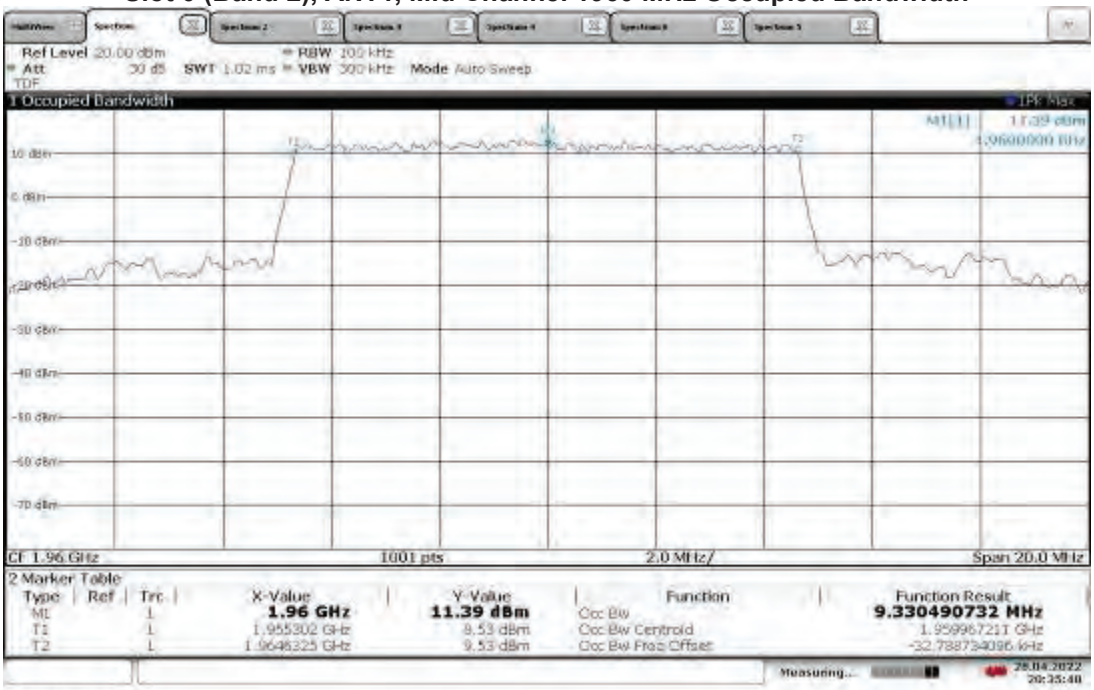
TM1.1-QPSK_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1935 MHz Occupied Bandwidth



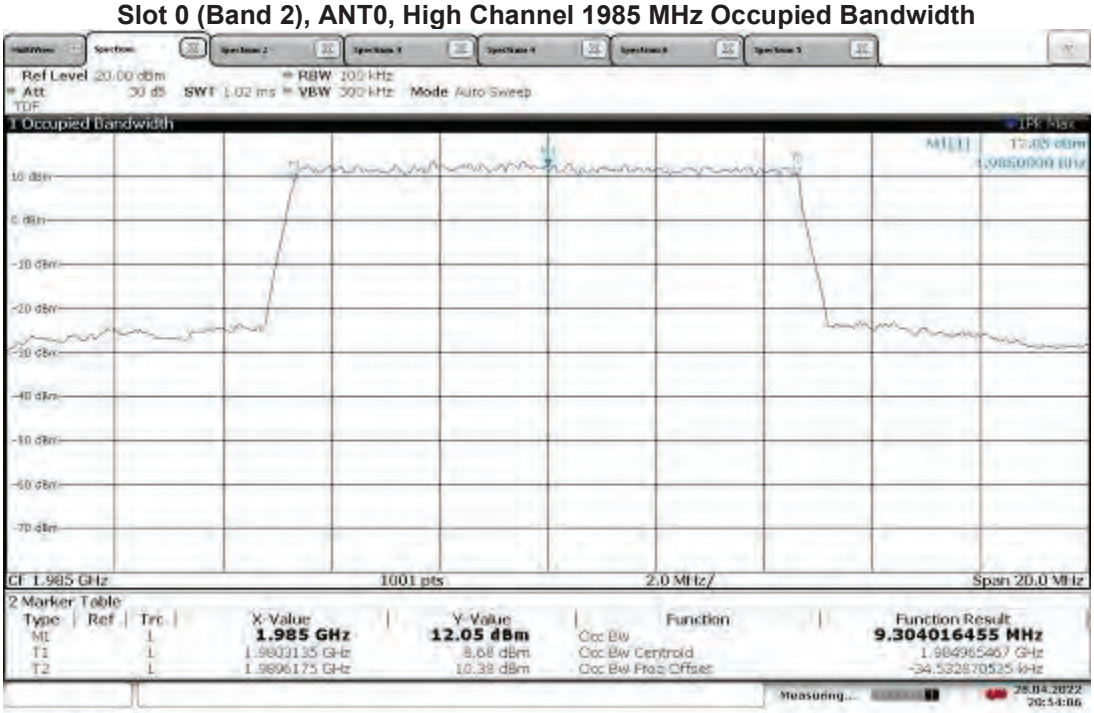
TM1.1-QPSK_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz Occupied Bandwidth



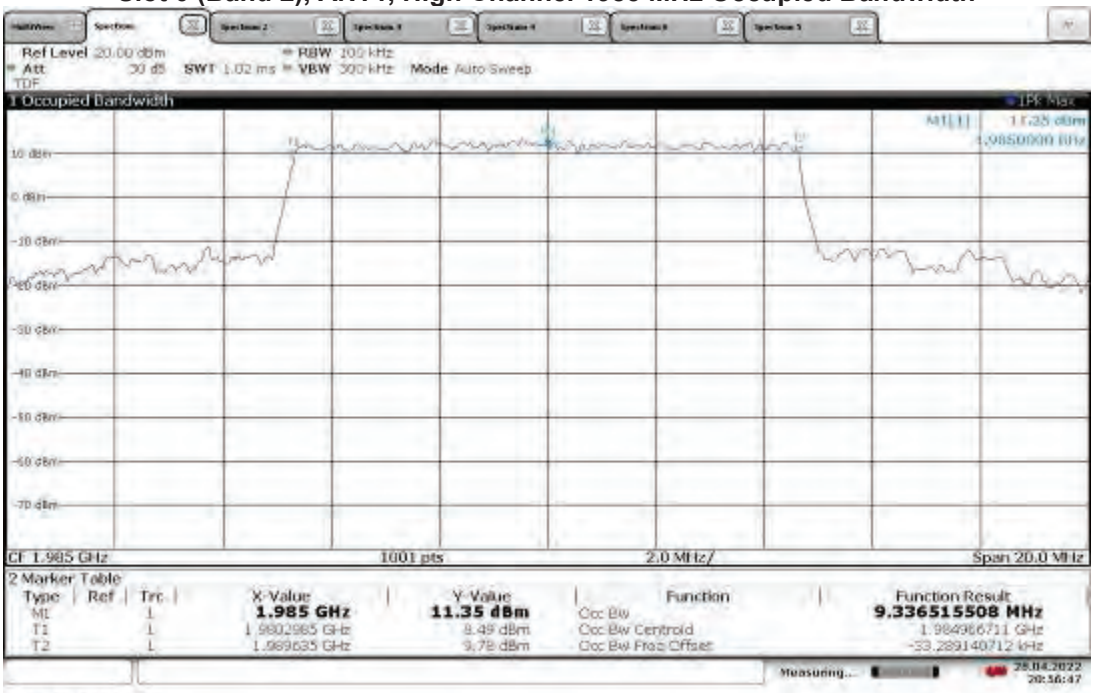
TM1.1-QPSK_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz Occupied Bandwidth



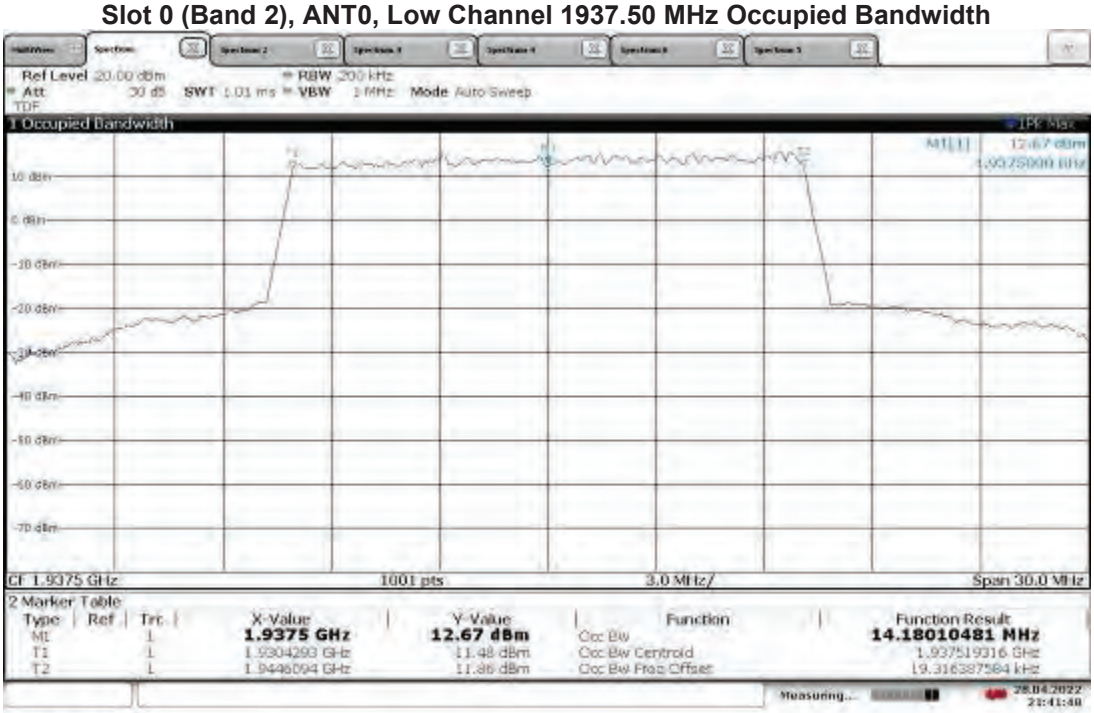
TM1.1-QPSK_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1985 MHz Occupied Bandwidth



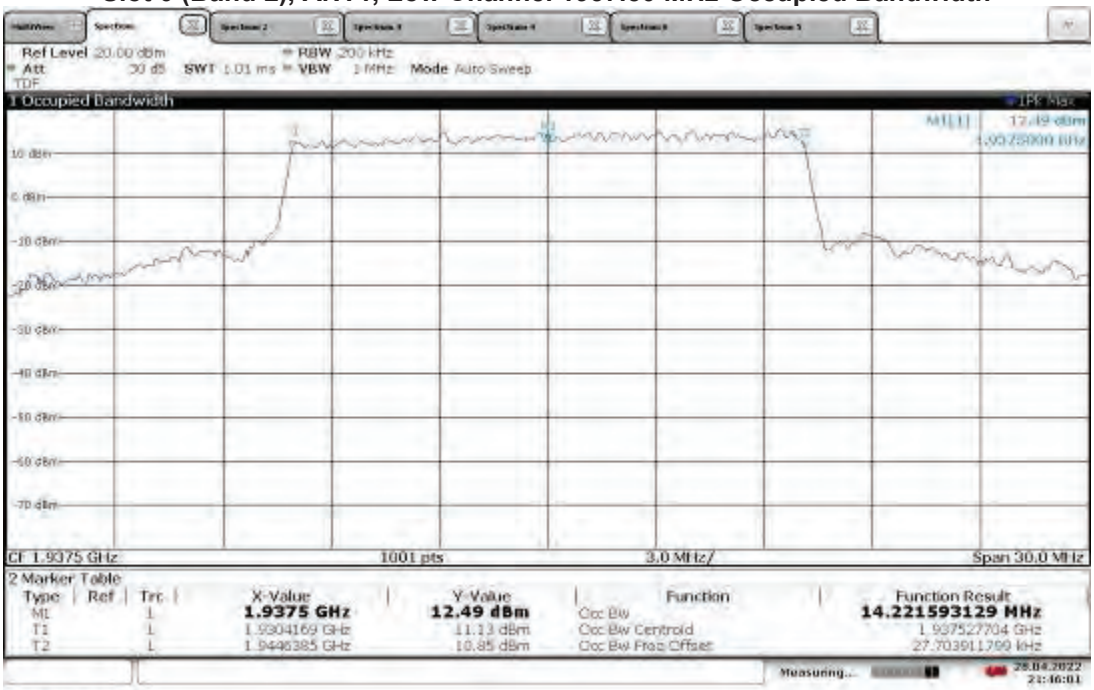
TM1.1-QPSK_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1985 MHz Occupied Bandwidth



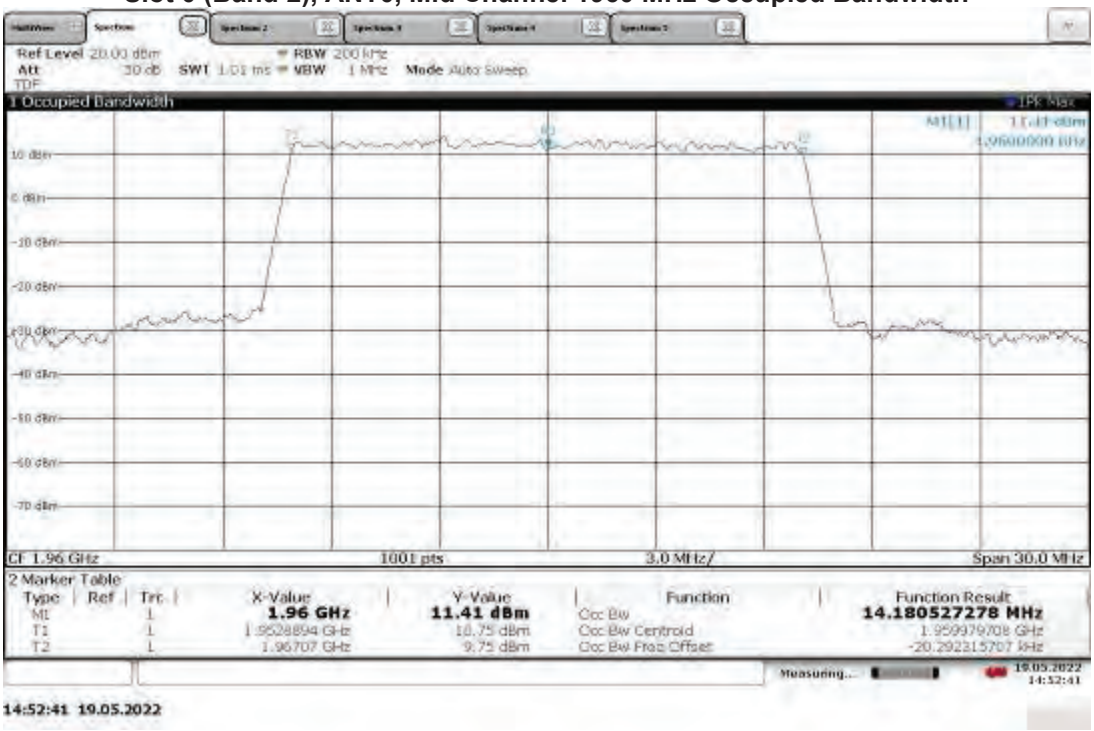
TM1.1-QPSK_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1937.50 MHz Occupied Bandwidth



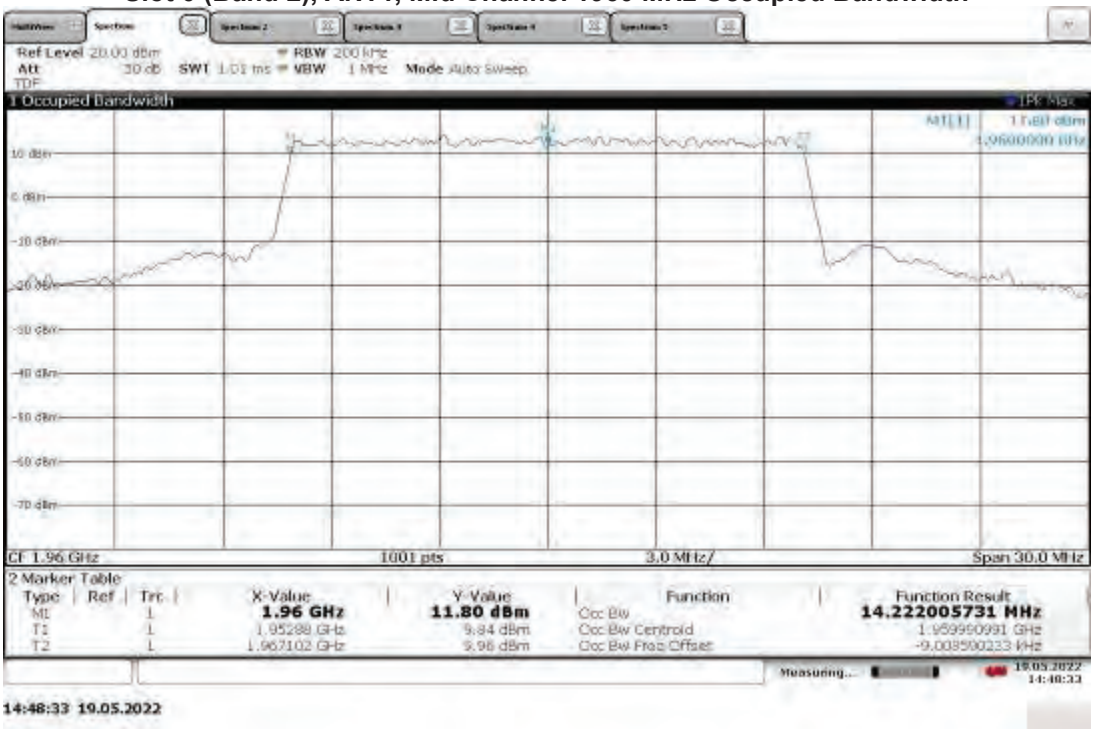
TM1.1-QPSK_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1937.50 MHz Occupied Bandwidth



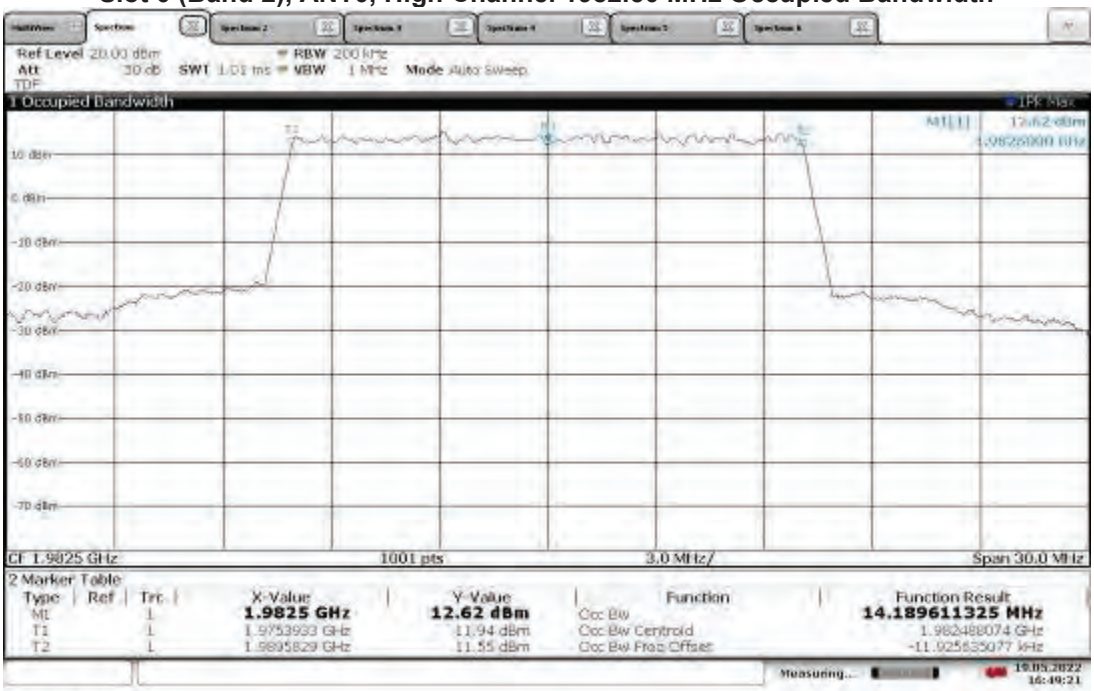
TM1.1-QPSK_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz Occupied Bandwidth



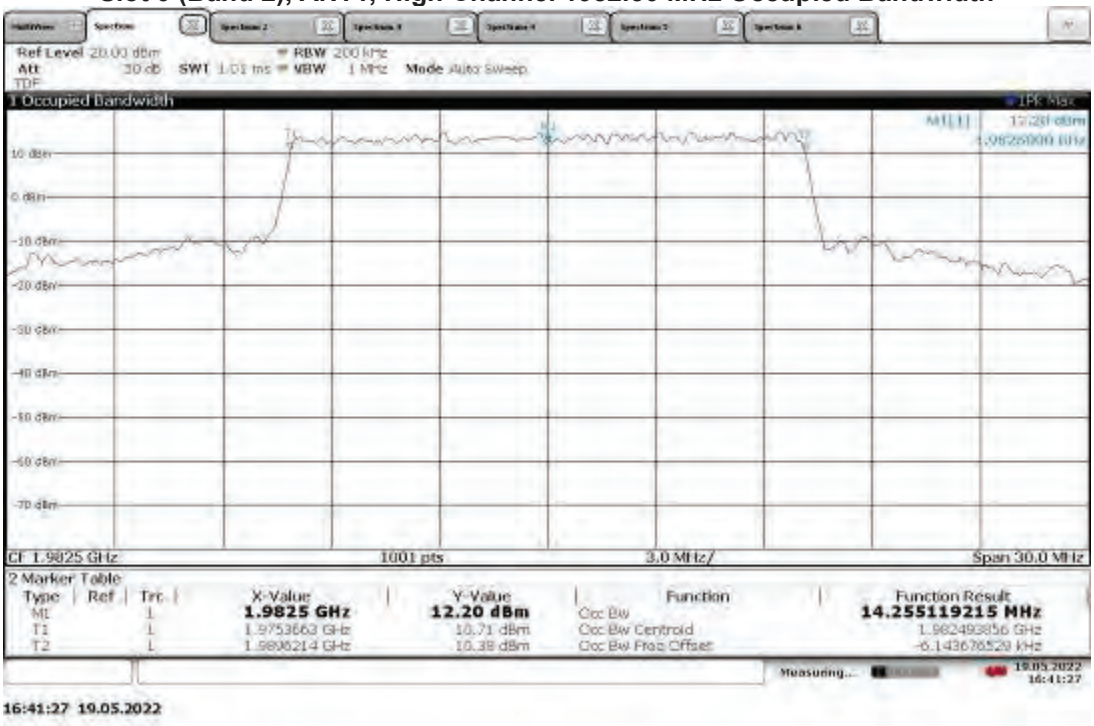
TM1.1-QPSK_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz Occupied Bandwidth



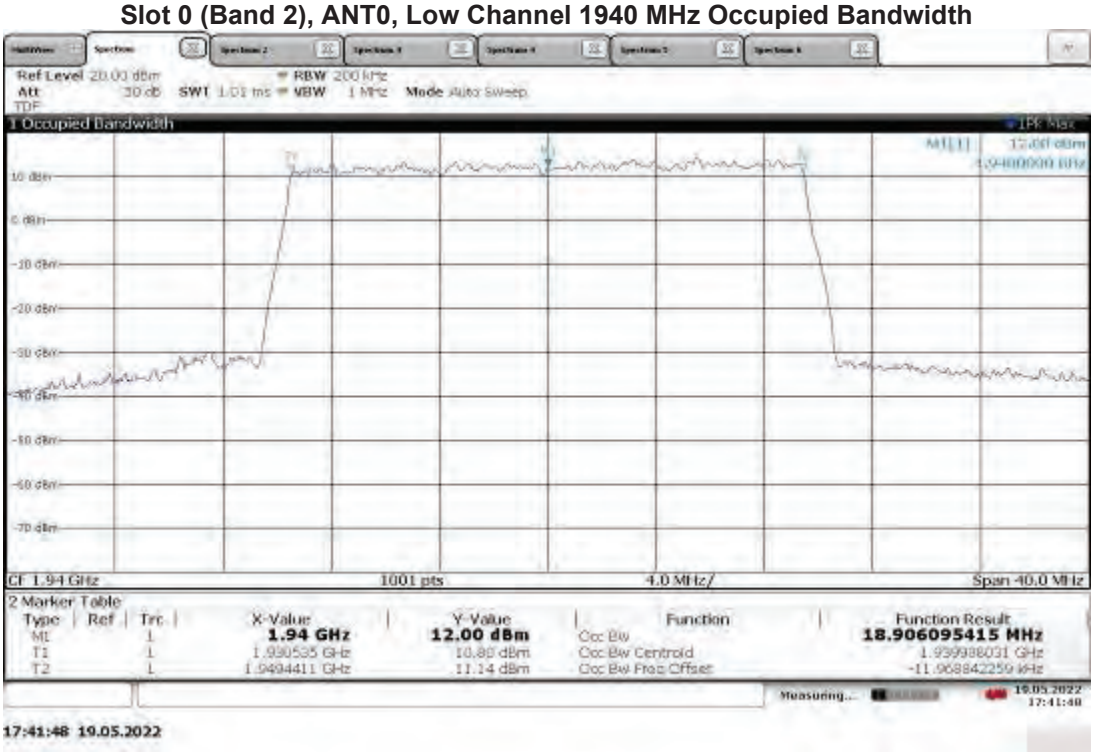
TM1.1-QPSK_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1982.50 MHz Occupied Bandwidth



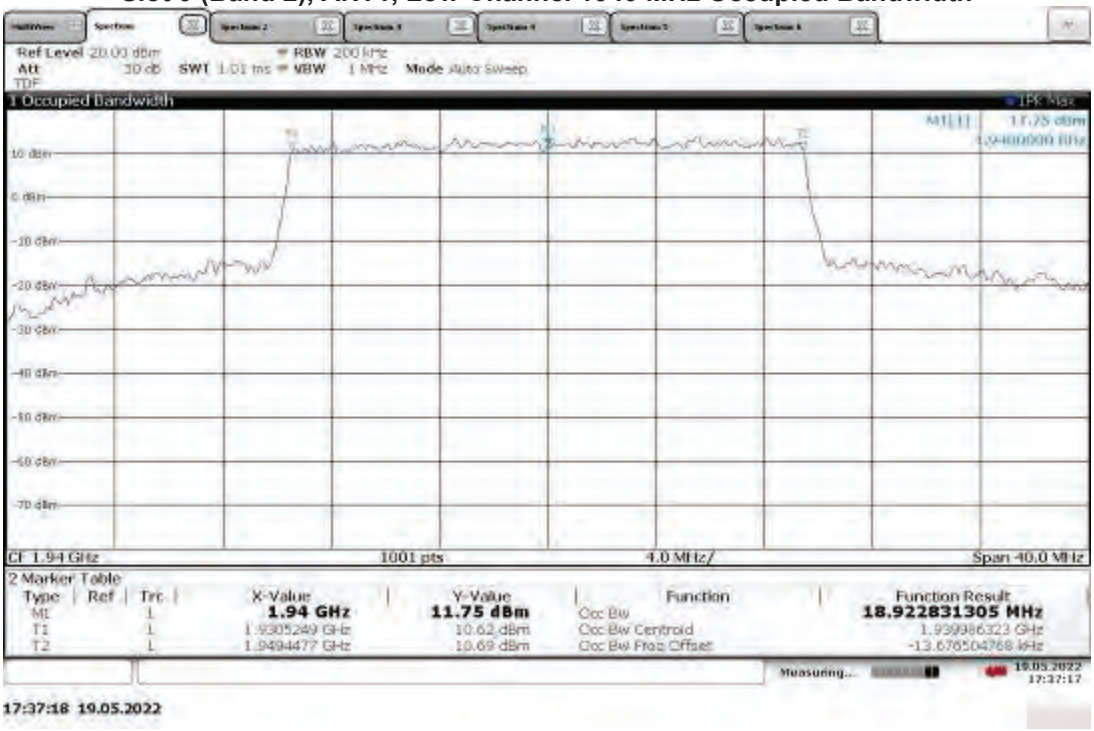
TM1.1-QPSK_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1982.50 MHz Occupied Bandwidth



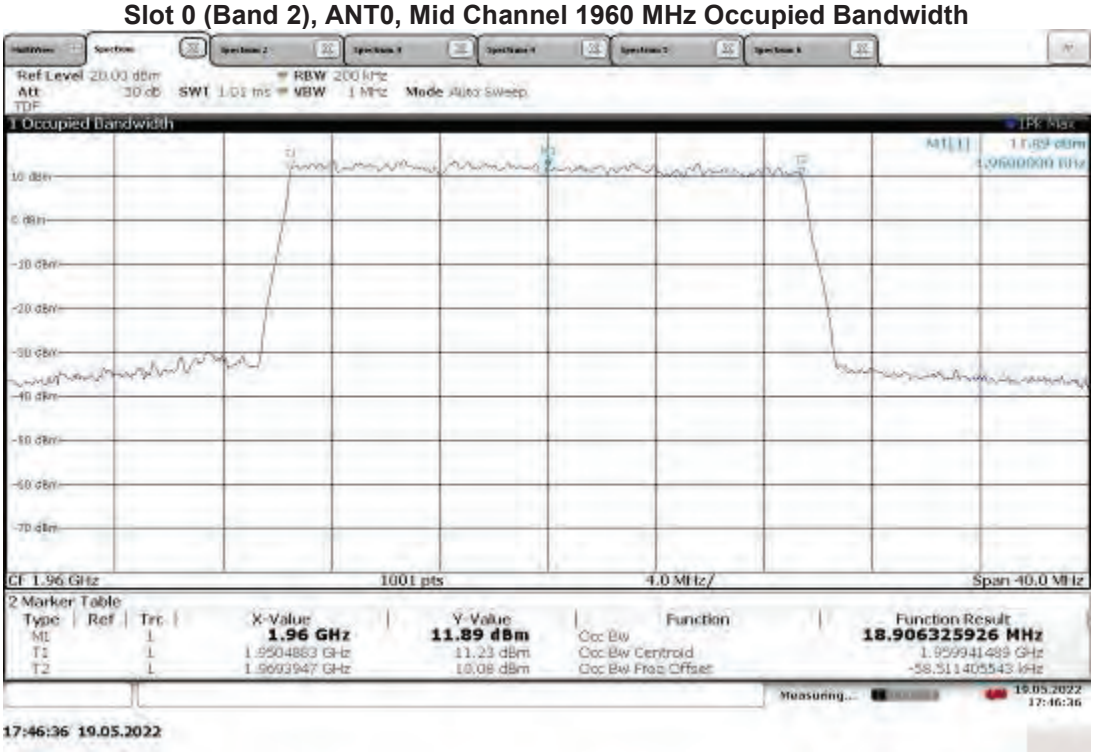
TM1.1-QPSK_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1940 MHz Occupied Bandwidth



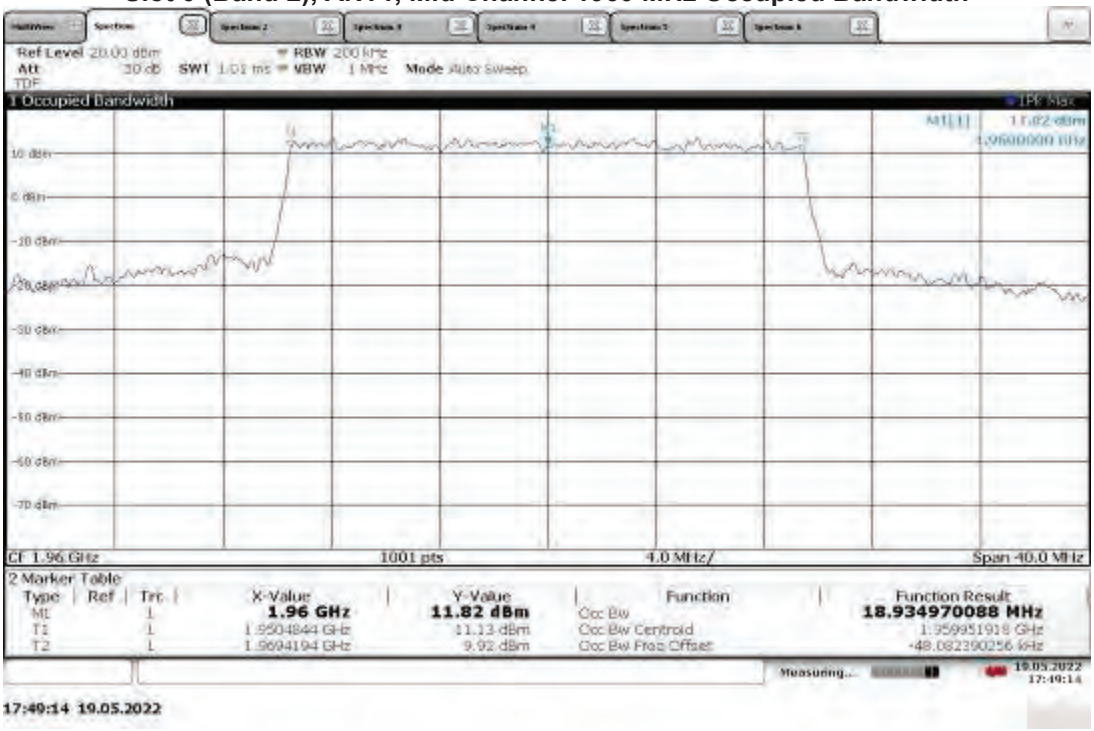
TM1.1-QPSK_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1940 MHz Occupied Bandwidth



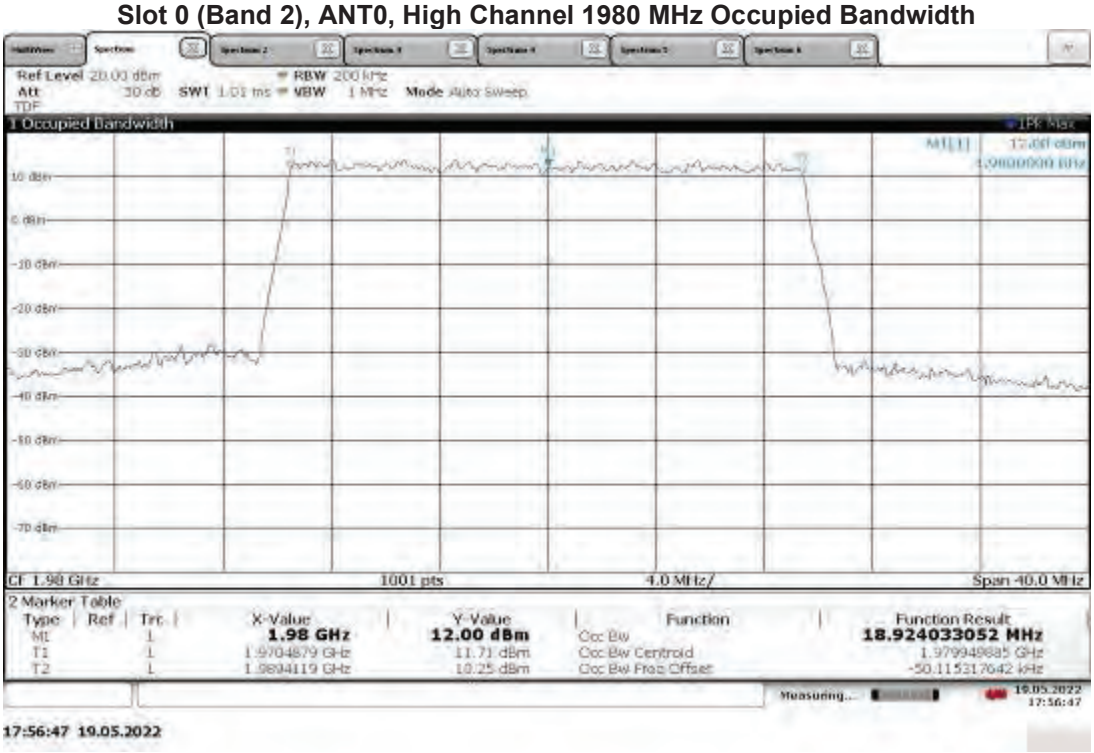
TM1.1-QPSK_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz Occupied Bandwidth



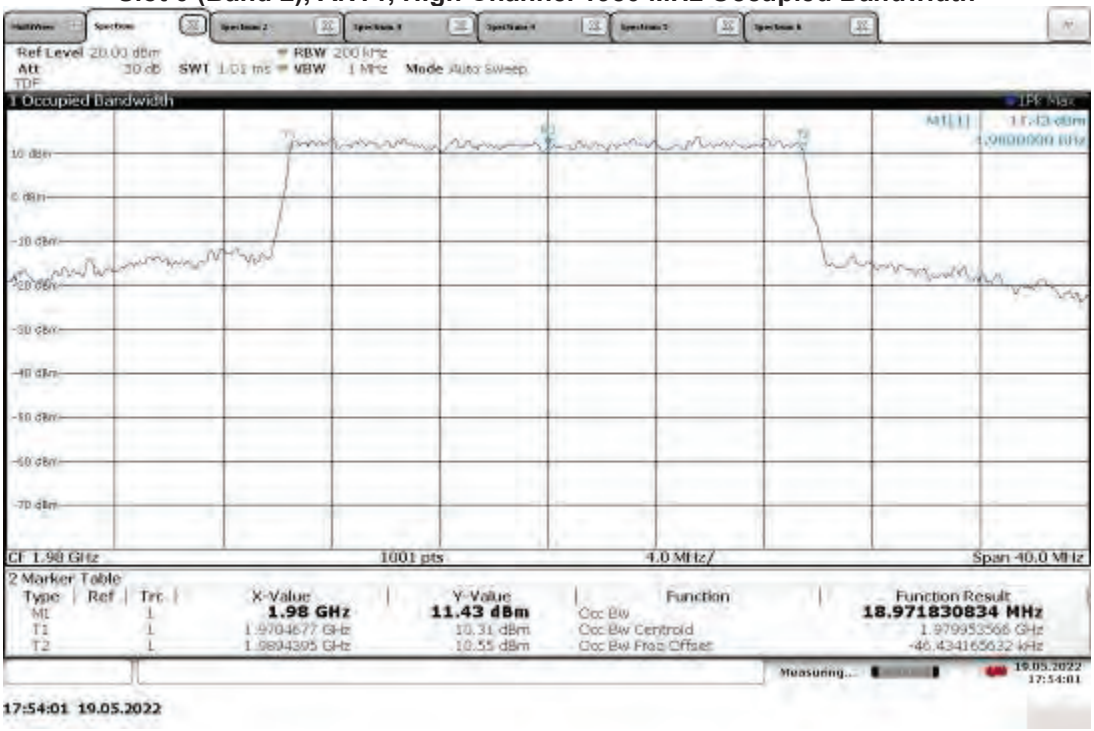
TM1.1-QPSK_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz Occupied Bandwidth



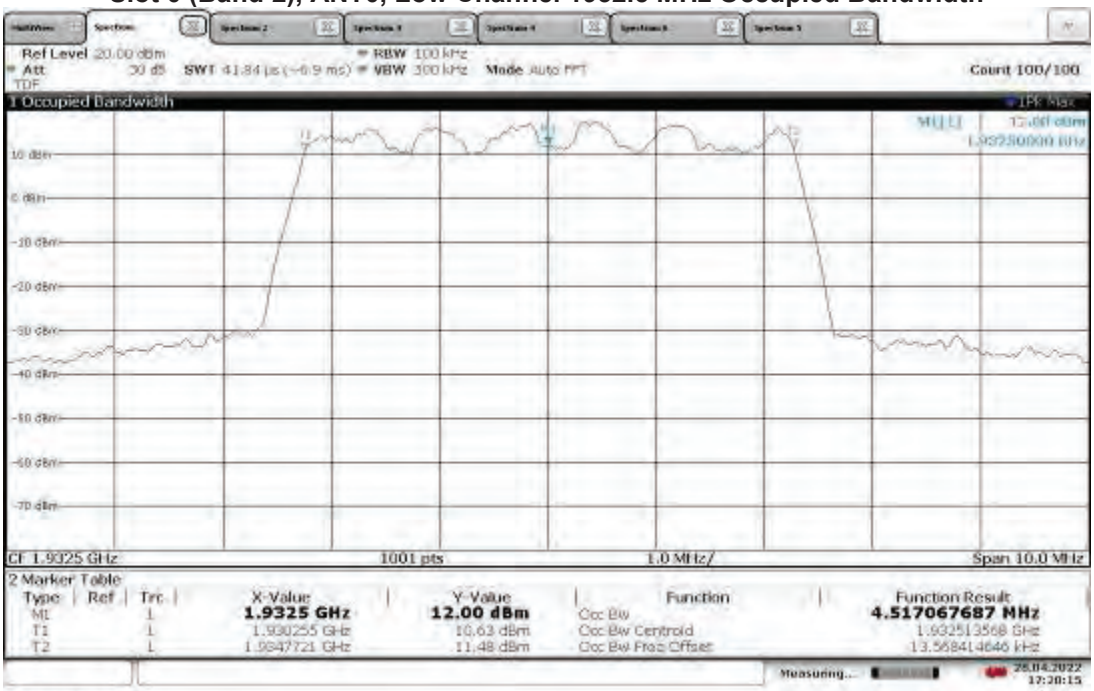
TM1.1-QPSK_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1980 MHz Occupied Bandwidth



TM1.1-QPSK_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1980 MHz Occupied Bandwidth



TM3.2-16QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1932.5 MHz Occupied Bandwidth



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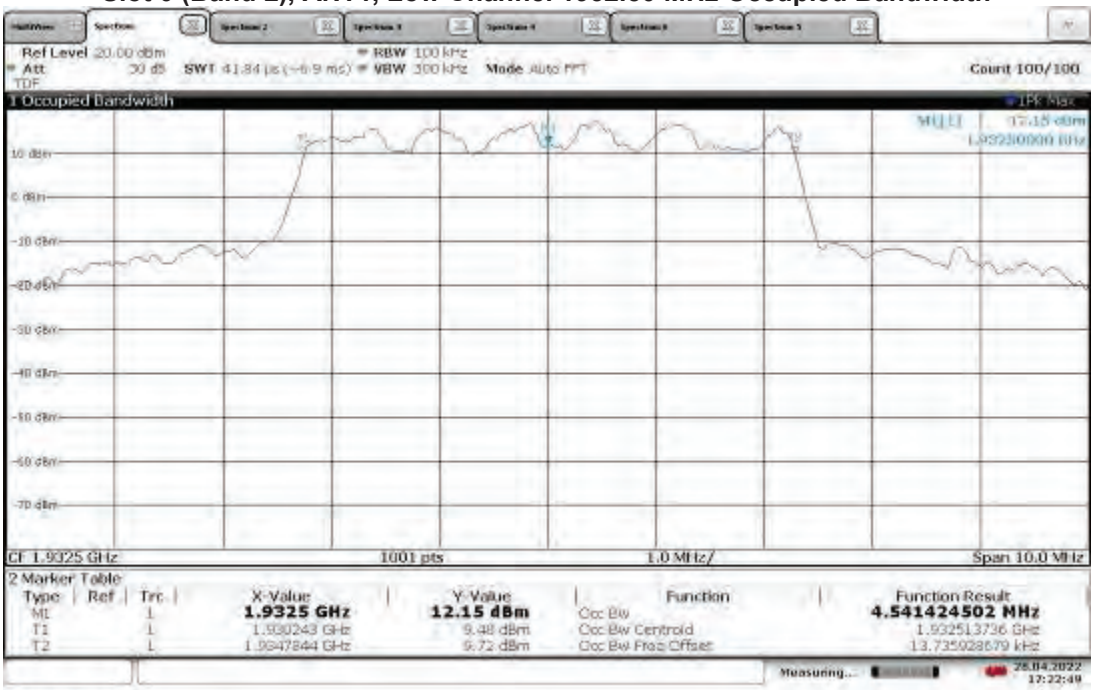
TM3.2-16QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1932.50 MHz Occupied Bandwidth



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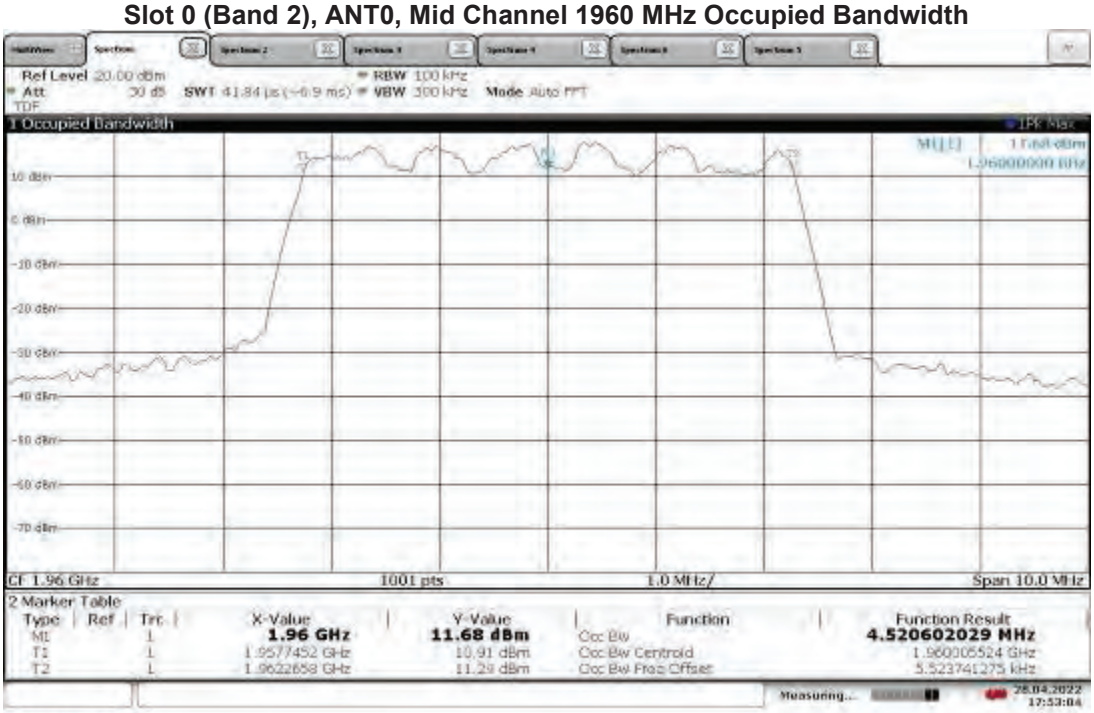
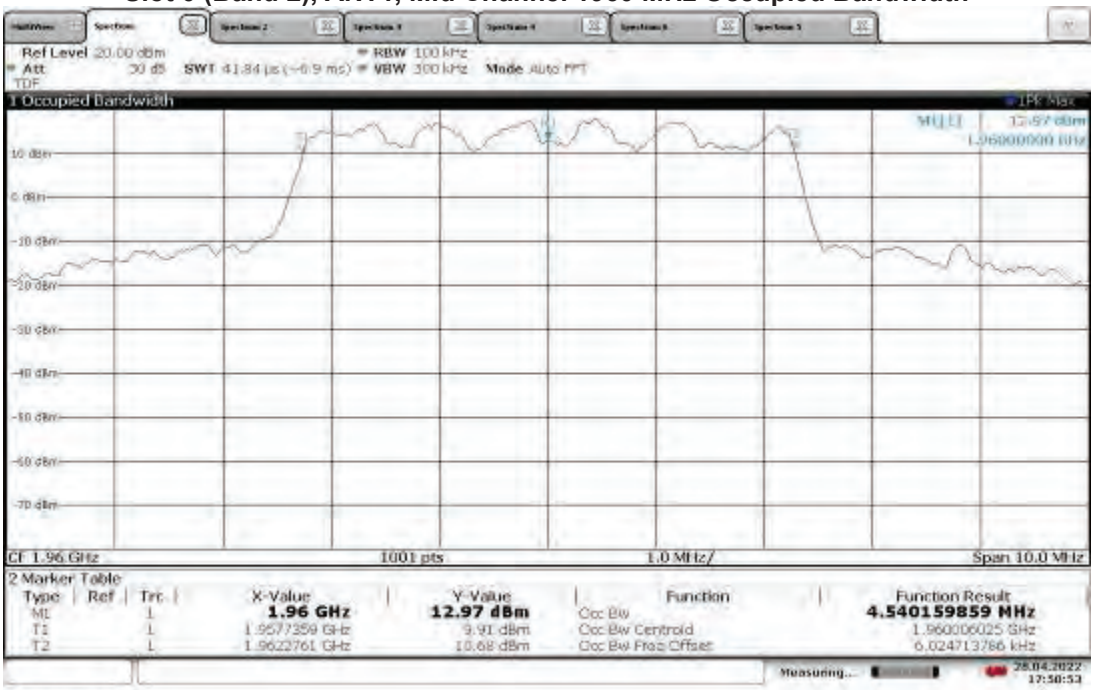
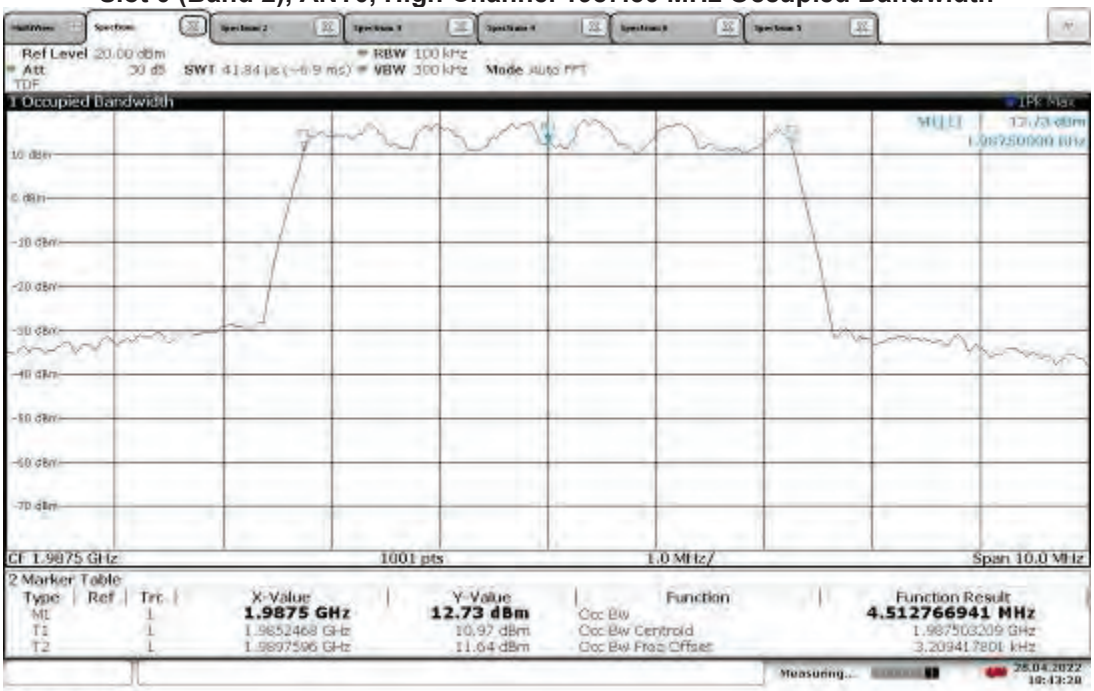
TM3.2-16QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz Occupied Bandwidth



TM3.2-16QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz Occupied Bandwidth



TM3.2-16QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1987.50 MHz Occupied Bandwidth



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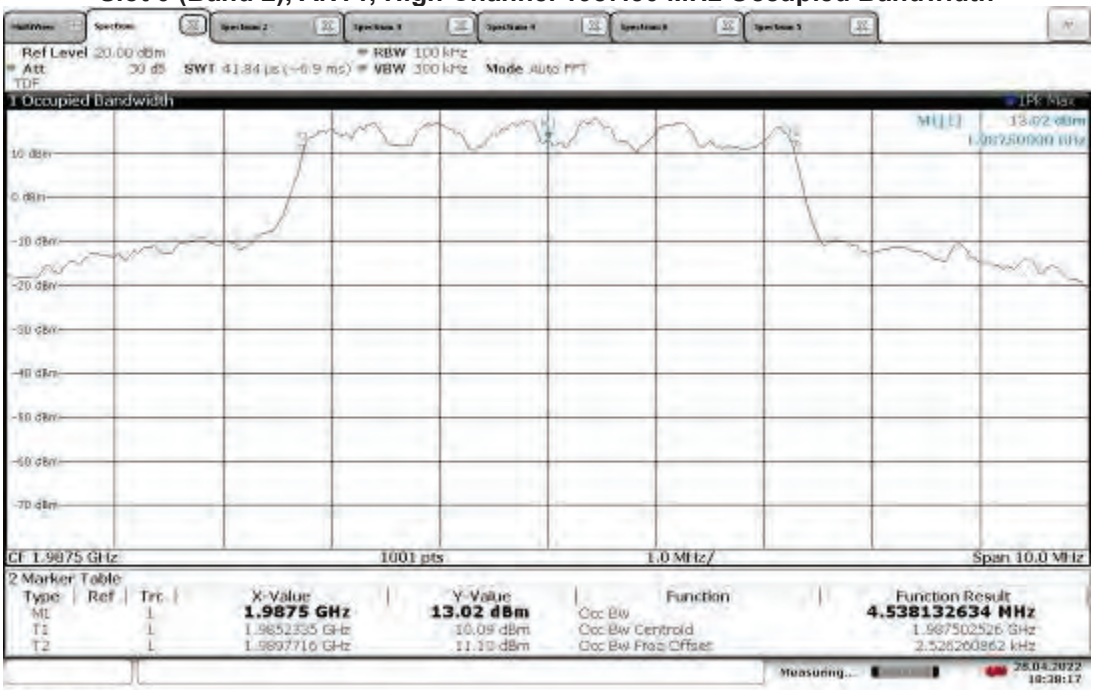
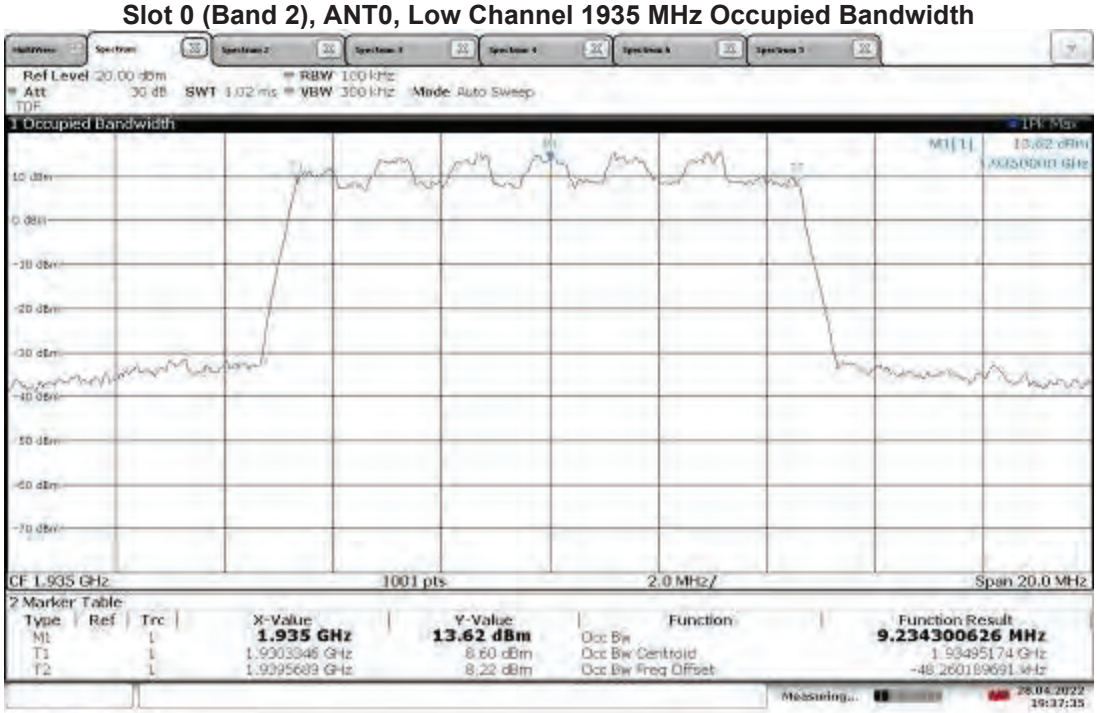
TM3.2-16QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1987.50 MHz Occupied Bandwidth

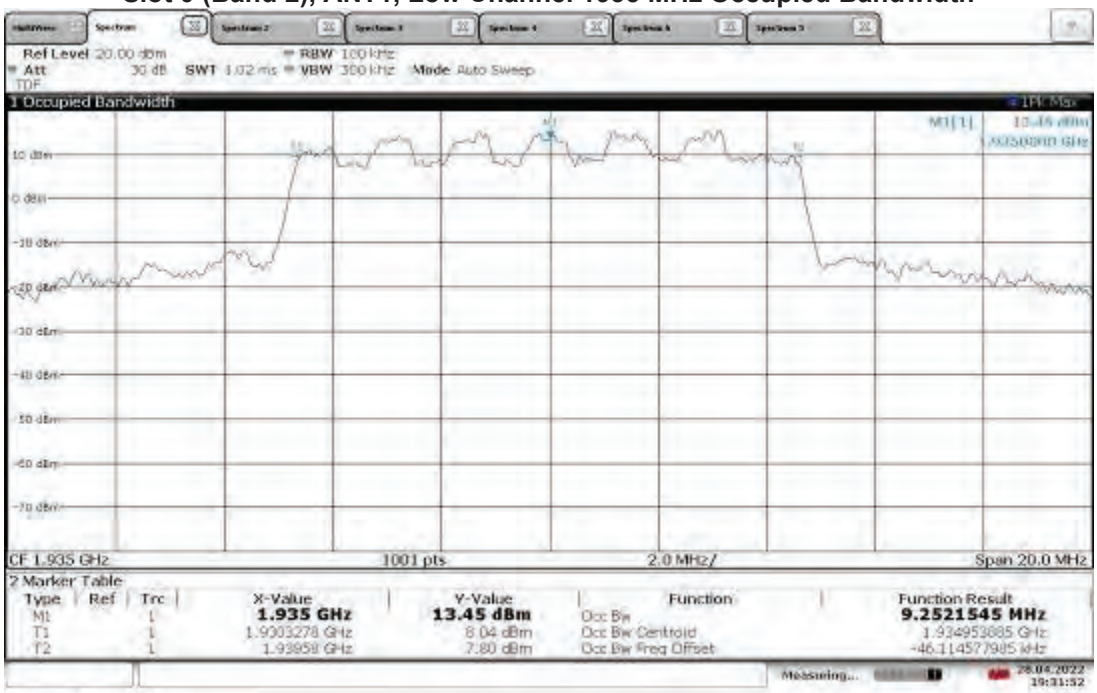


18:38:17 28.04.2022

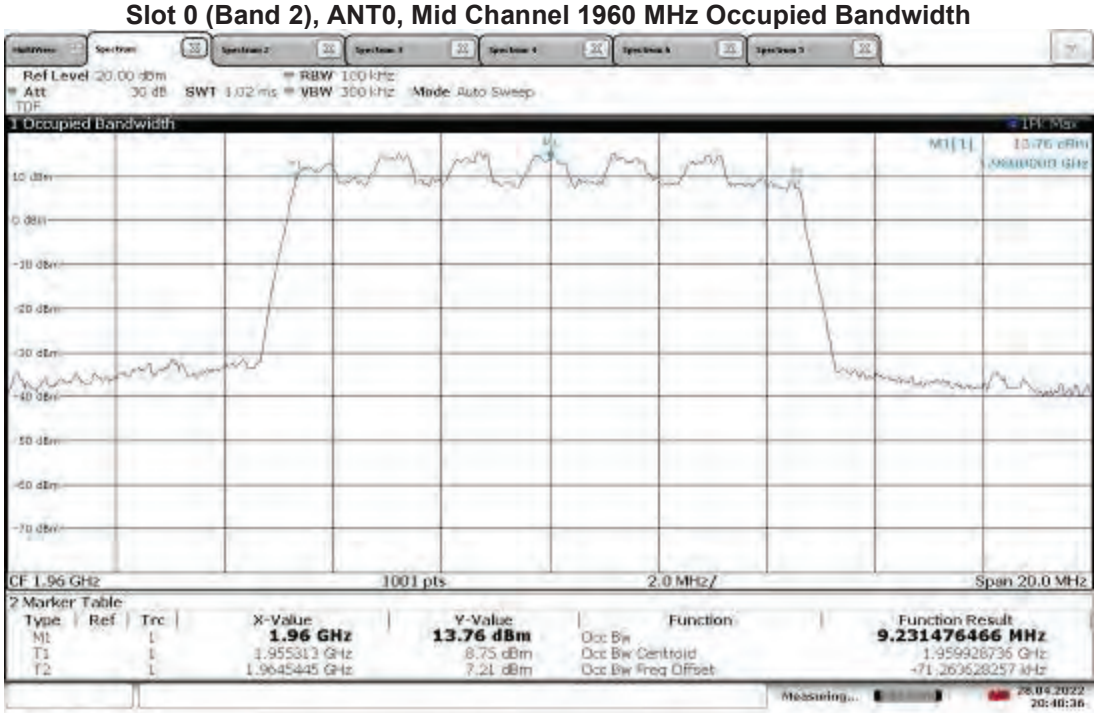
TM3.2-16QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1935 MHz Occupied Bandwidth



TM3.2-16QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1935 MHz Occupied Bandwidth

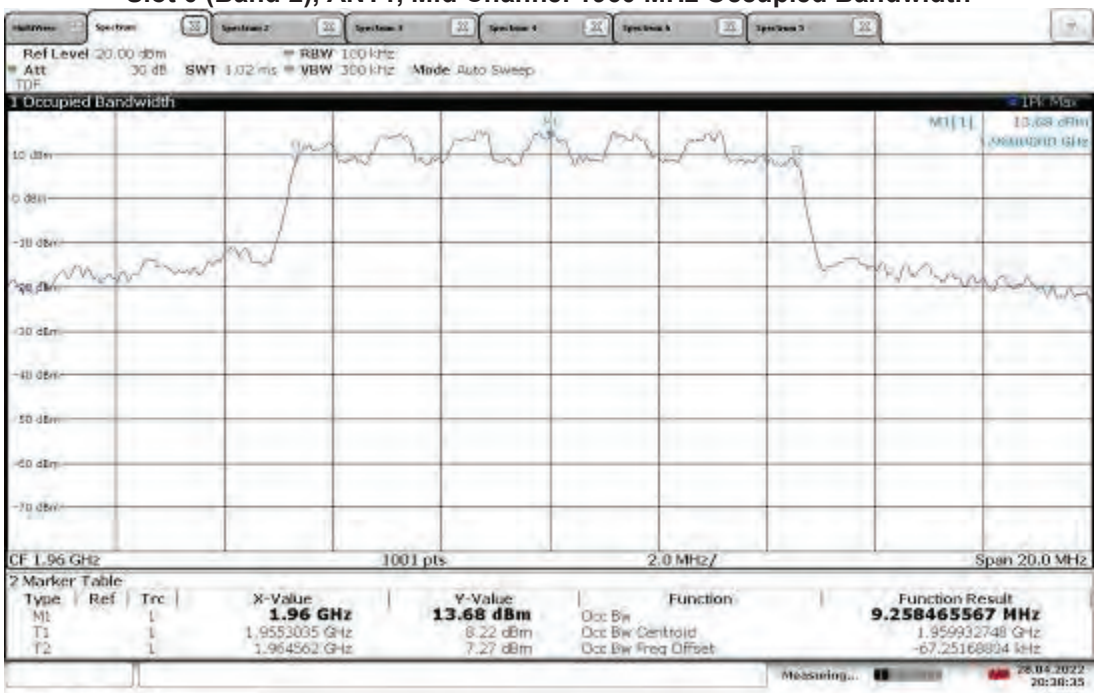


TM3.2-16QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz Occupied Bandwidth



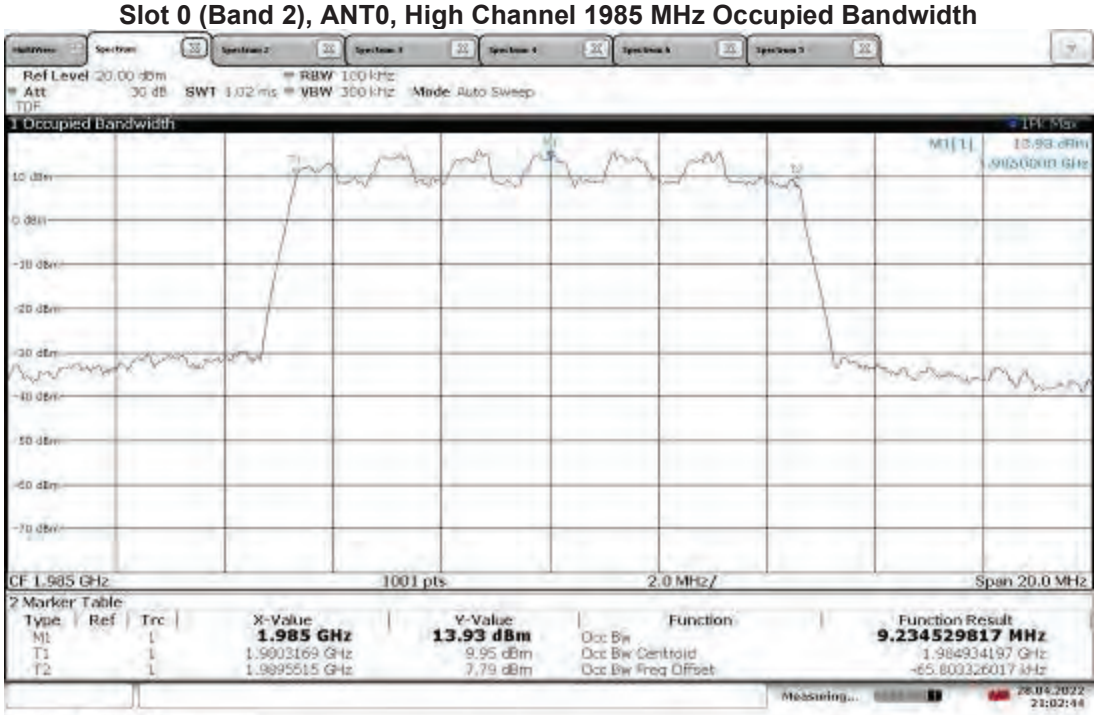
20:40:36 28.04.2022

TM3.2-16QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz Occupied Bandwidth

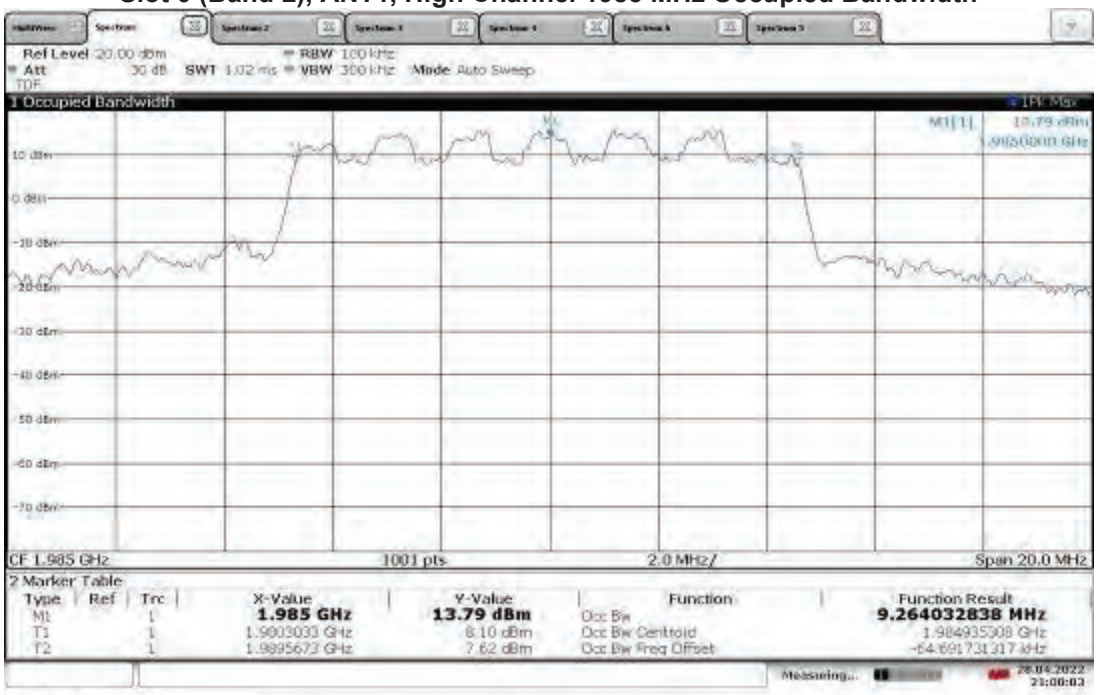


20:38:36 28.04.2022

TM3.2-16QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1985 MHz Occupied Bandwidth

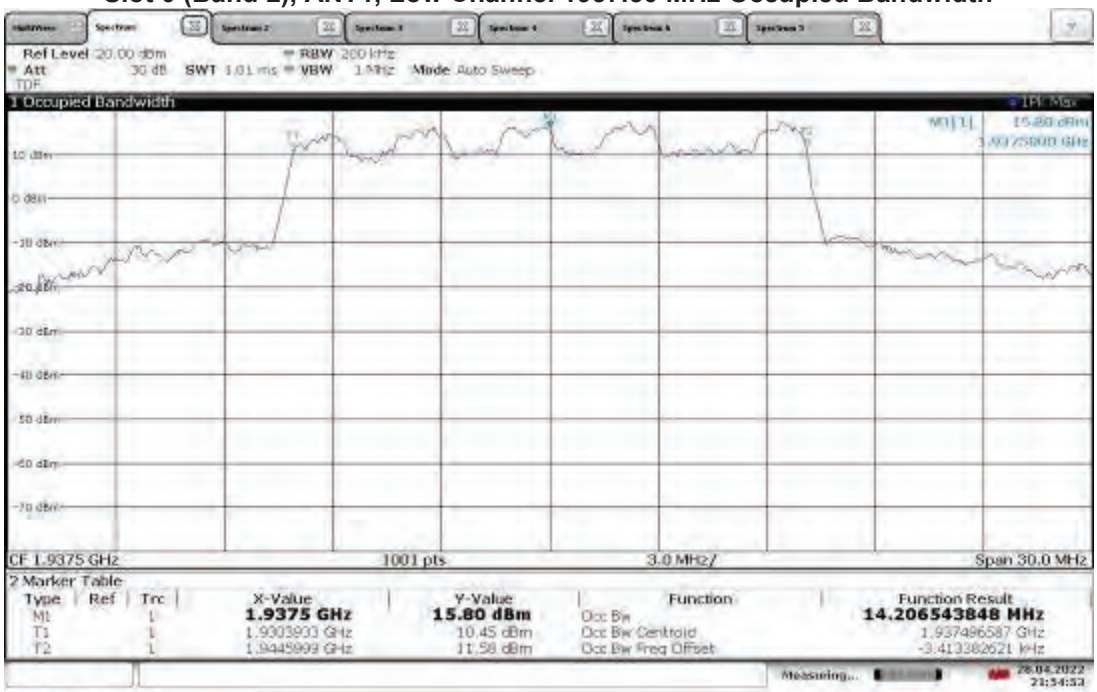


TM3.2-16QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1985 MHz Occupied Bandwidth

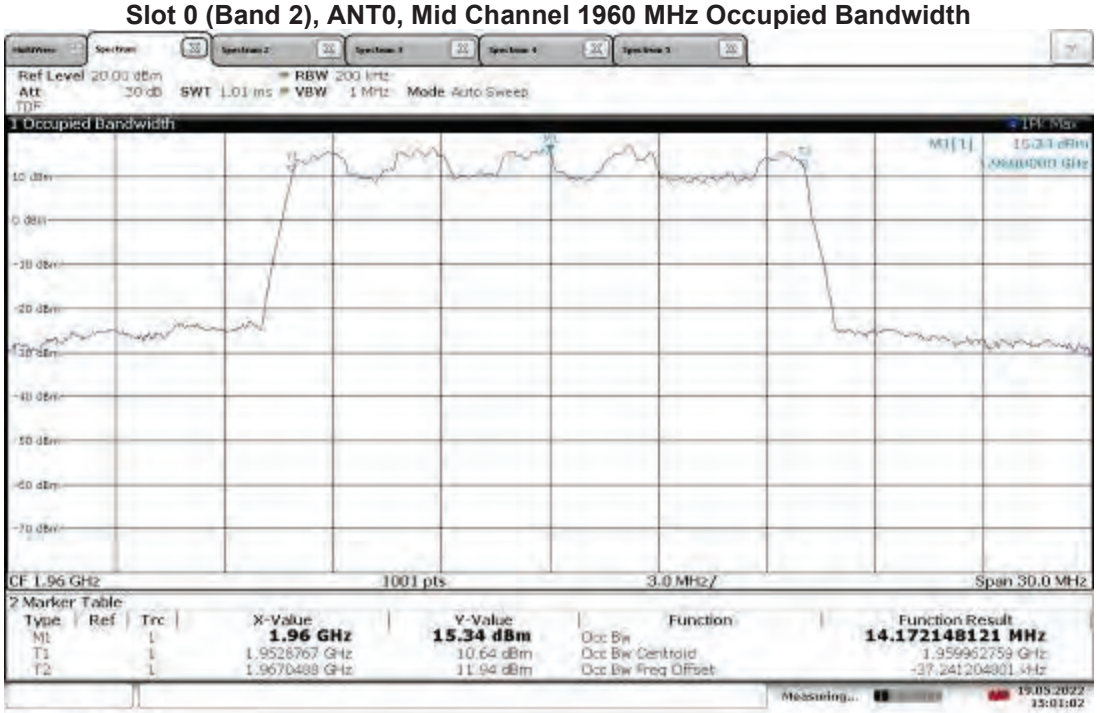


TM3.2-16QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1937.50 MHz Occupied Bandwidth

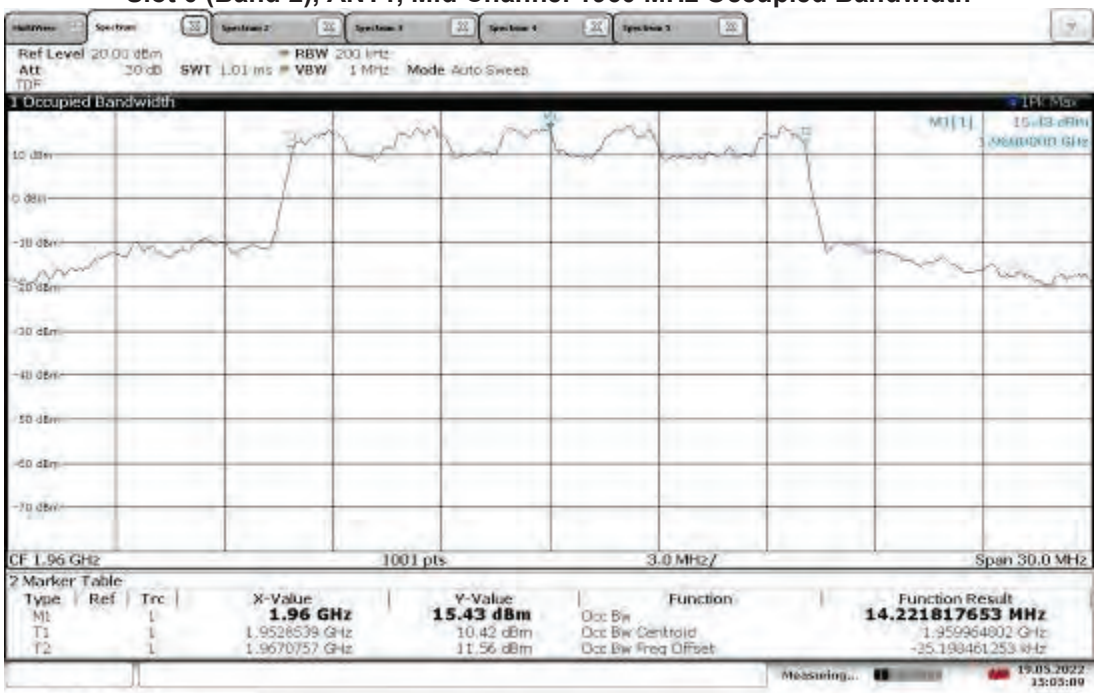
TM3.2-16QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1937.50 MHz Occupied Bandwidth



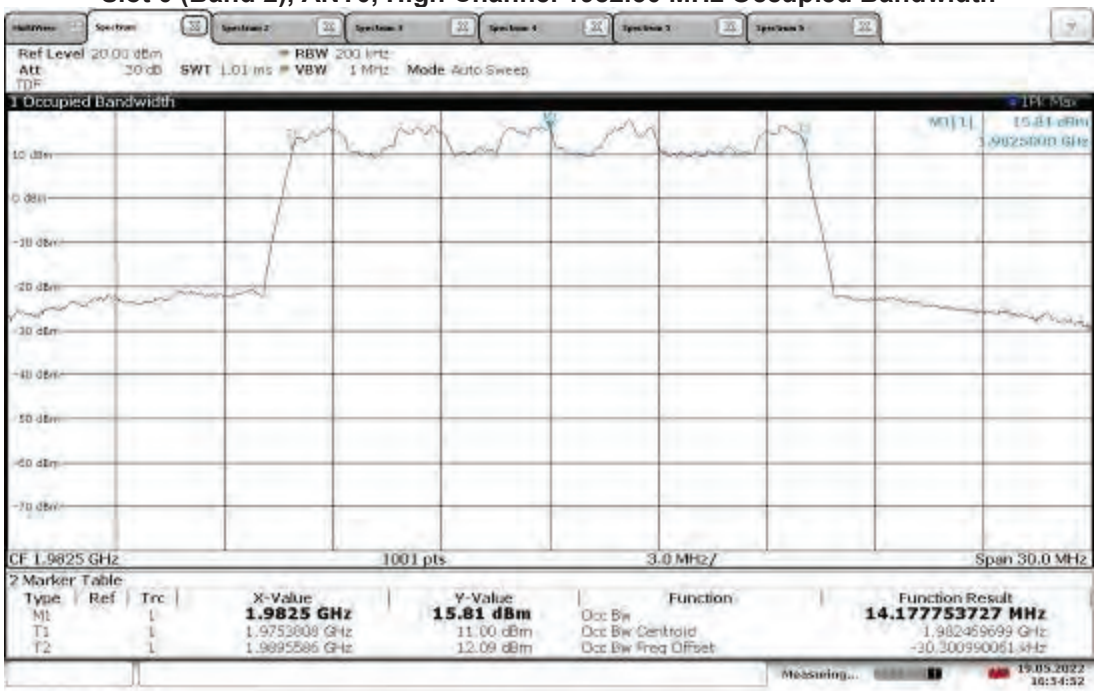
TM3.2-16QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz Occupied Bandwidth



TM3.2-16QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz Occupied Bandwidth

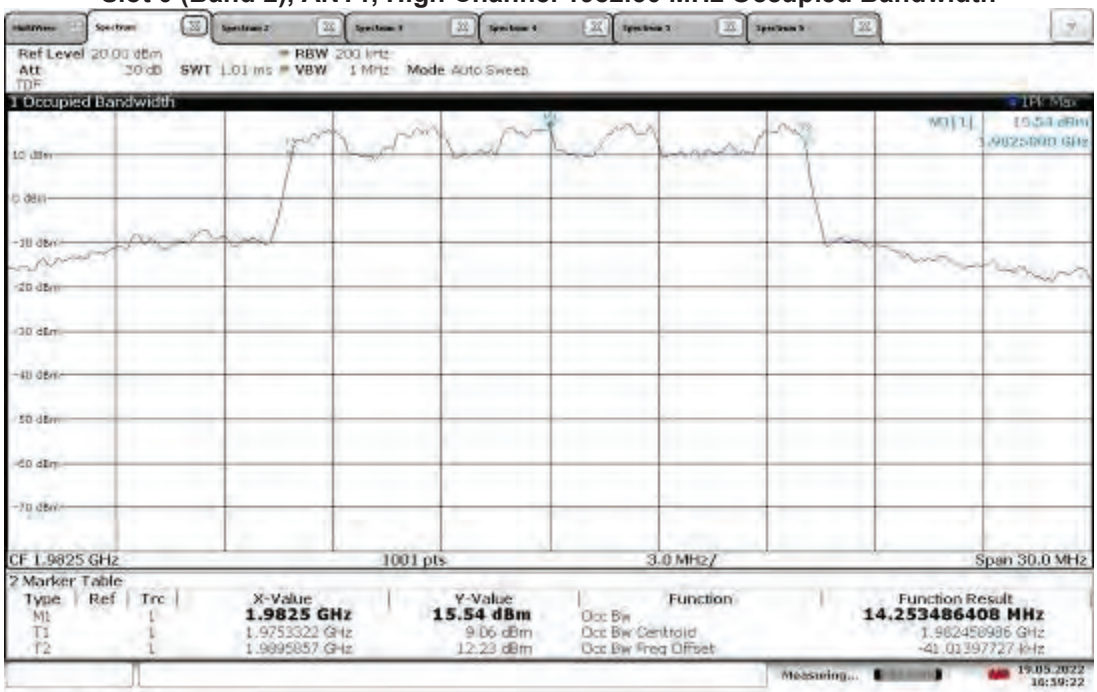


TM3.2-16QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1982.50 MHz Occupied Bandwidth



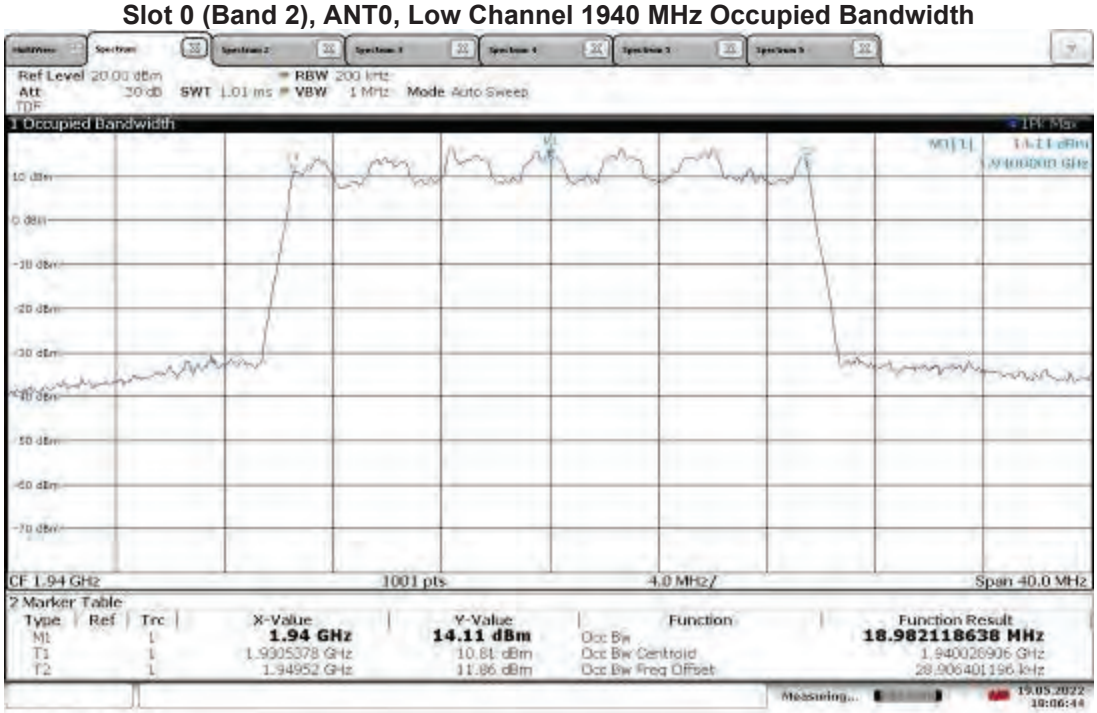
16:54:52 19.05.2022

TM3.2-16QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1982.50 MHz Occupied Bandwidth



16:59:22 19.05.2022

TM3.2-16QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1940 MHz Occupied Bandwidth



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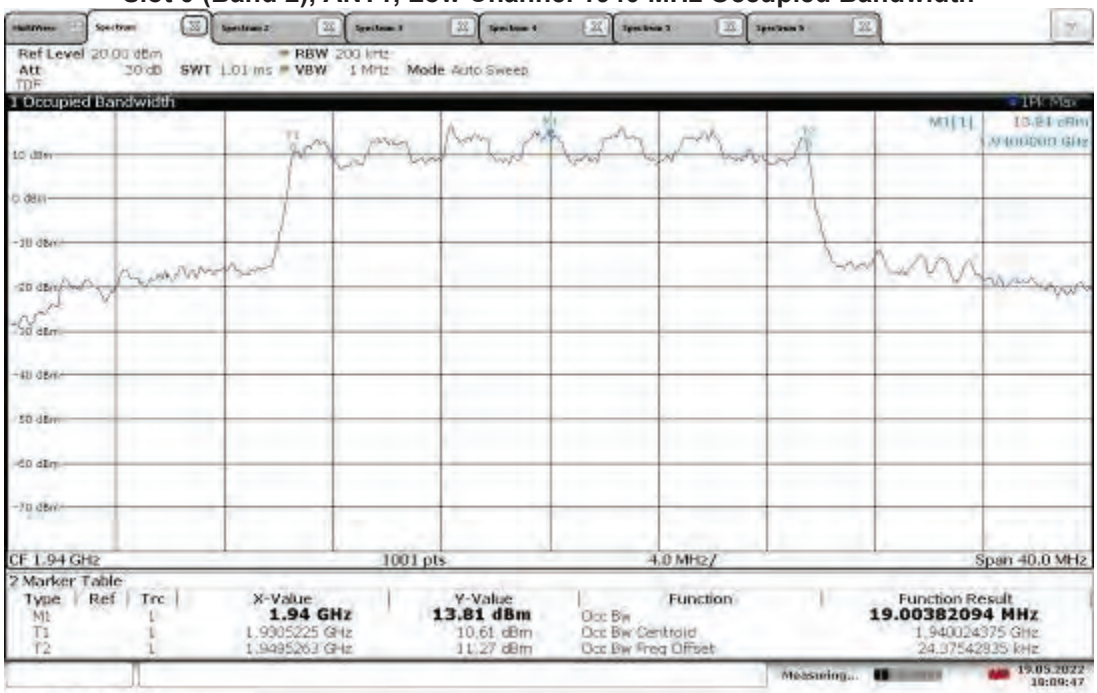
TM3.2-16QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1940 MHz Occupied Bandwidth



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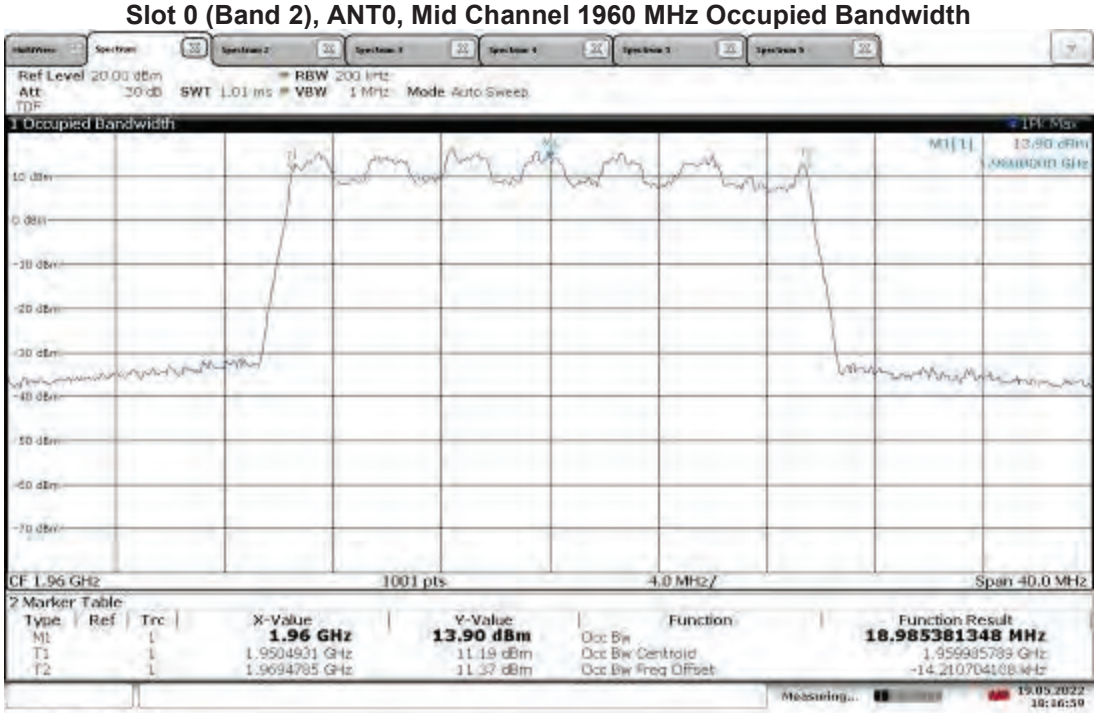
TM3.2-16QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz Occupied Bandwidth



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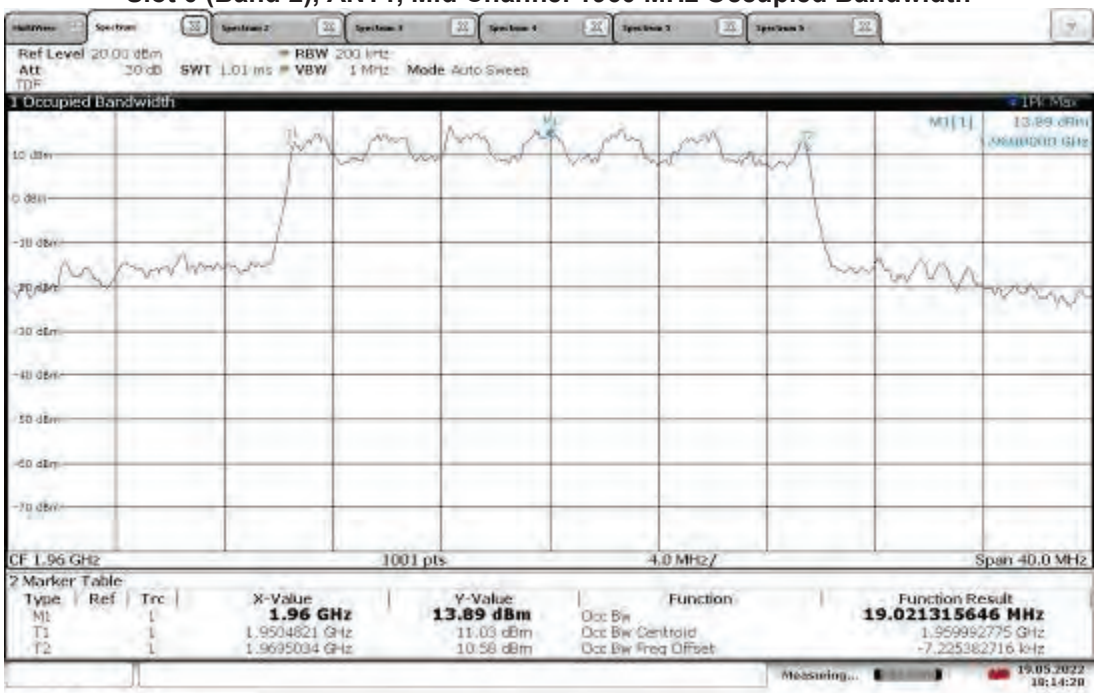
TM3.2-16QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz Occupied Bandwidth



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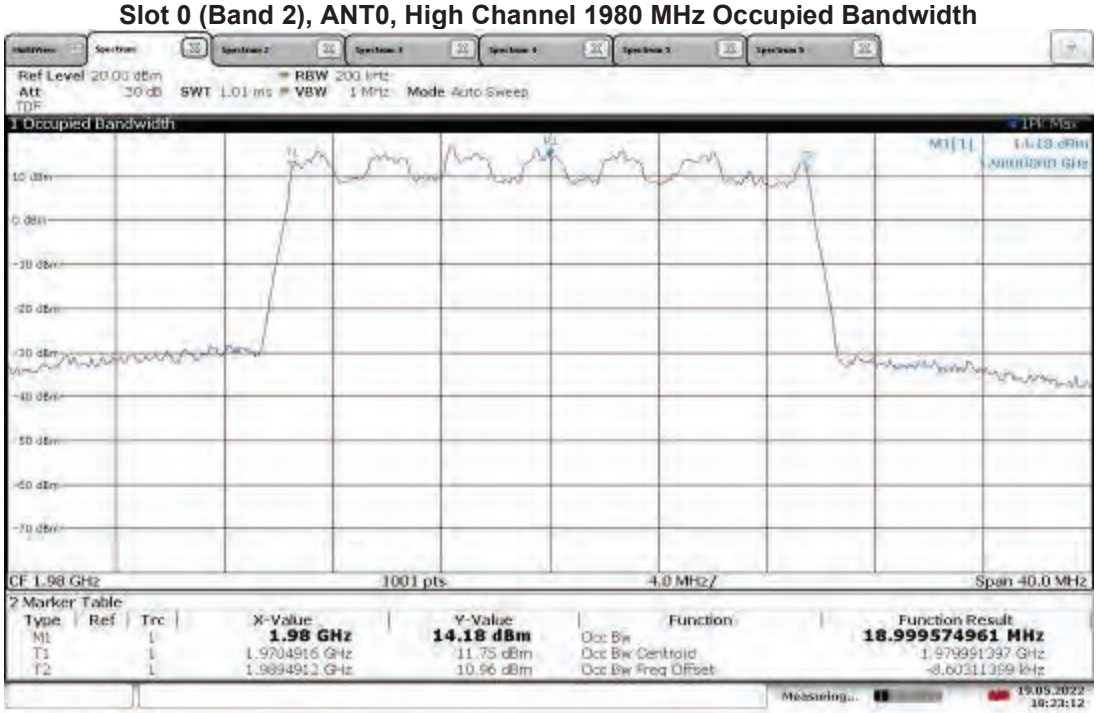
TM3.2-16QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1980 MHz Occupied Bandwidth



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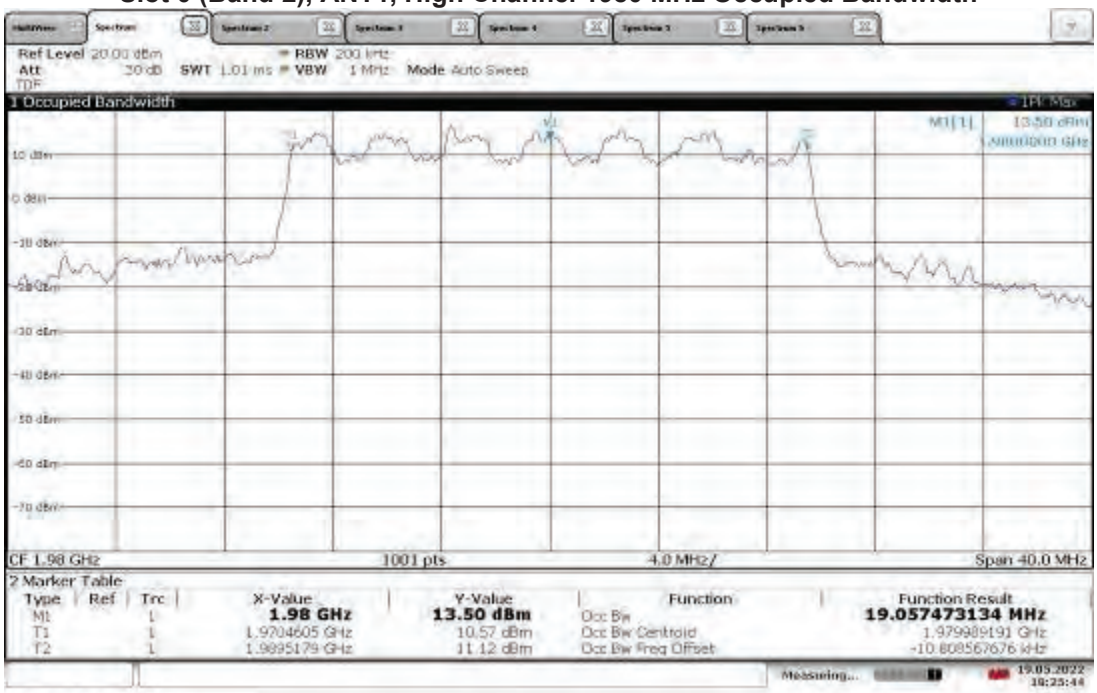
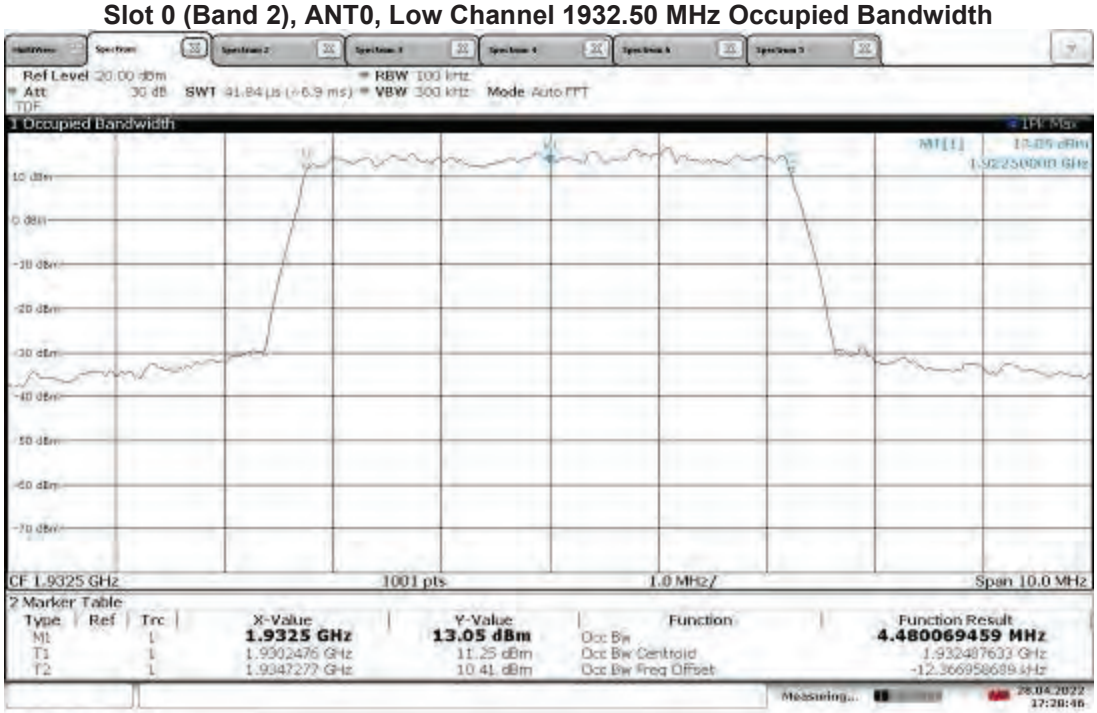
TM3.2-16QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1980 MHz Occupied Bandwidth



18:25:44 19.05.2022

TM3.1-64QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1932.50 MHz Occupied Bandwidth



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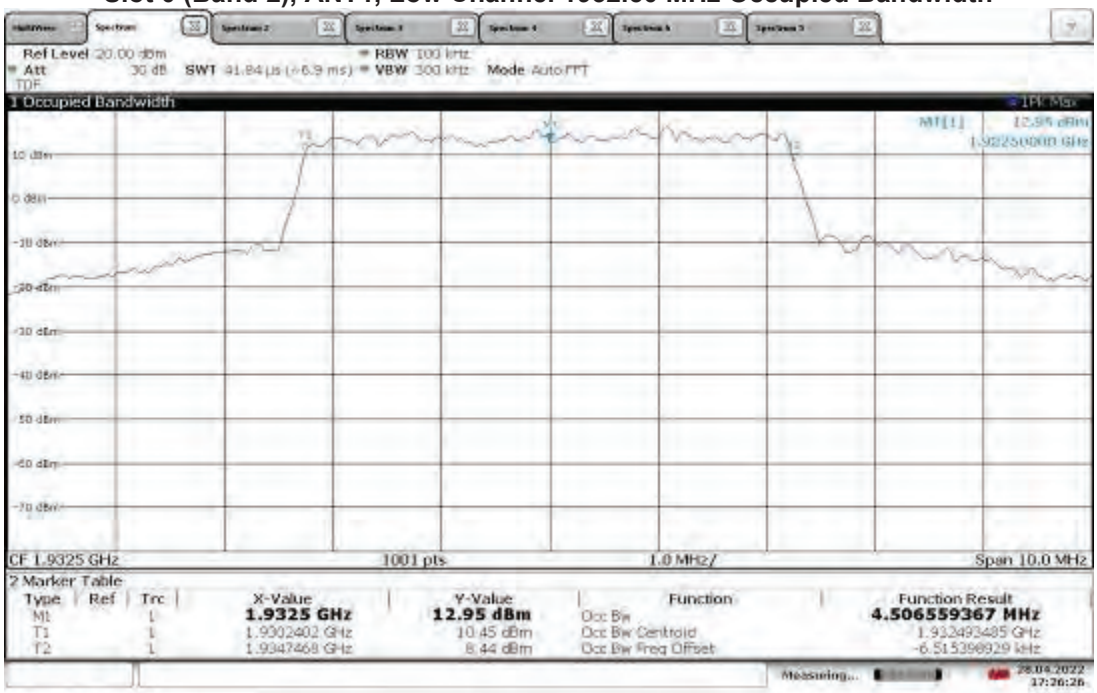
TM3.1-64QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1932.50 MHz Occupied Bandwidth



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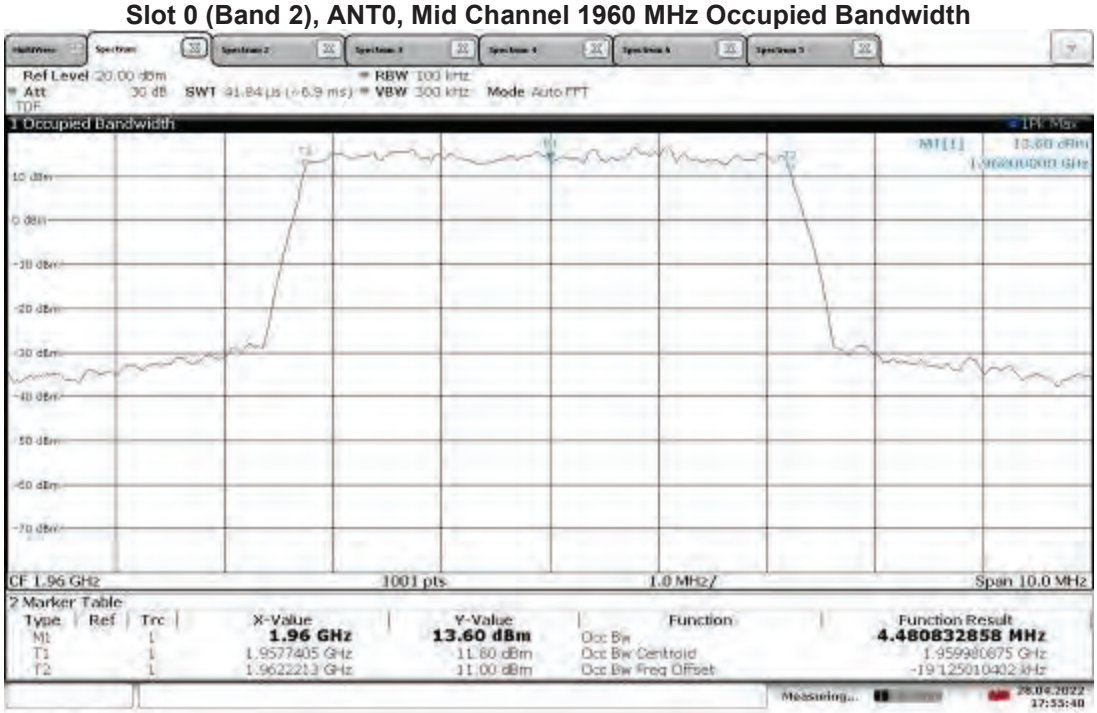
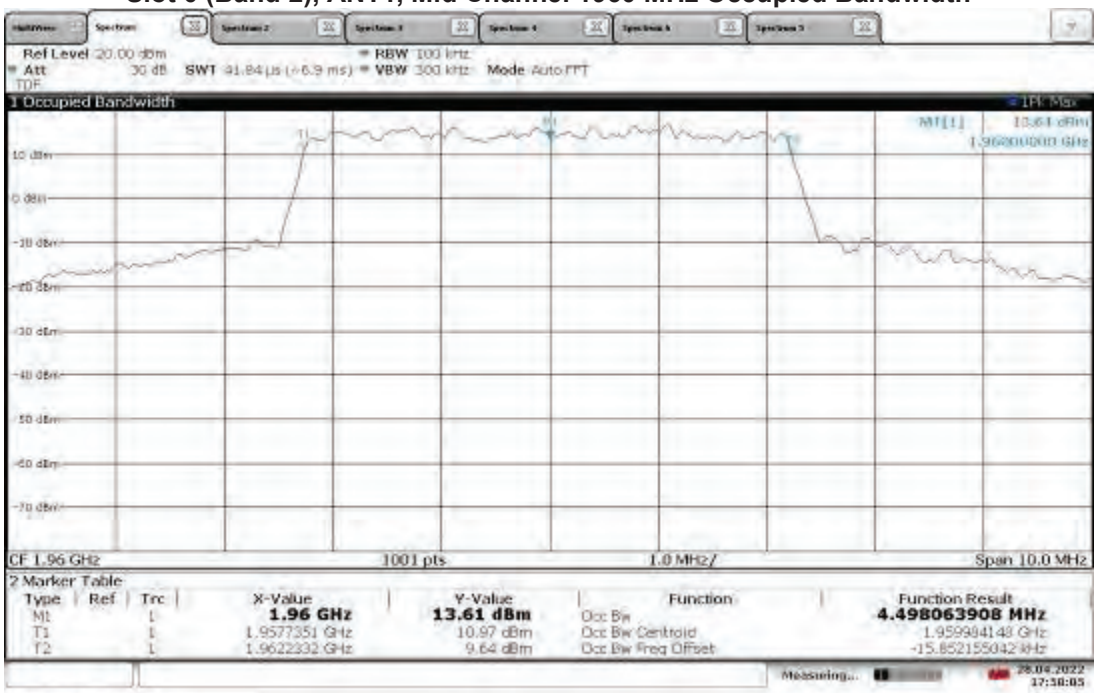
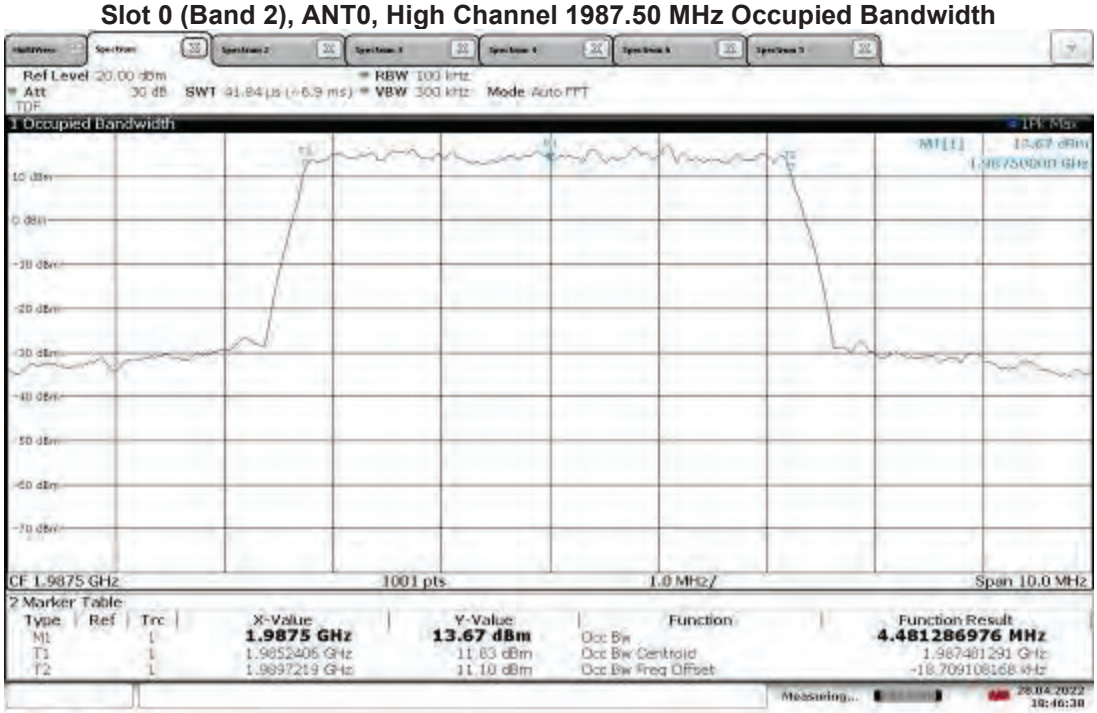
TM3.1-64QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz Occupied Bandwidth



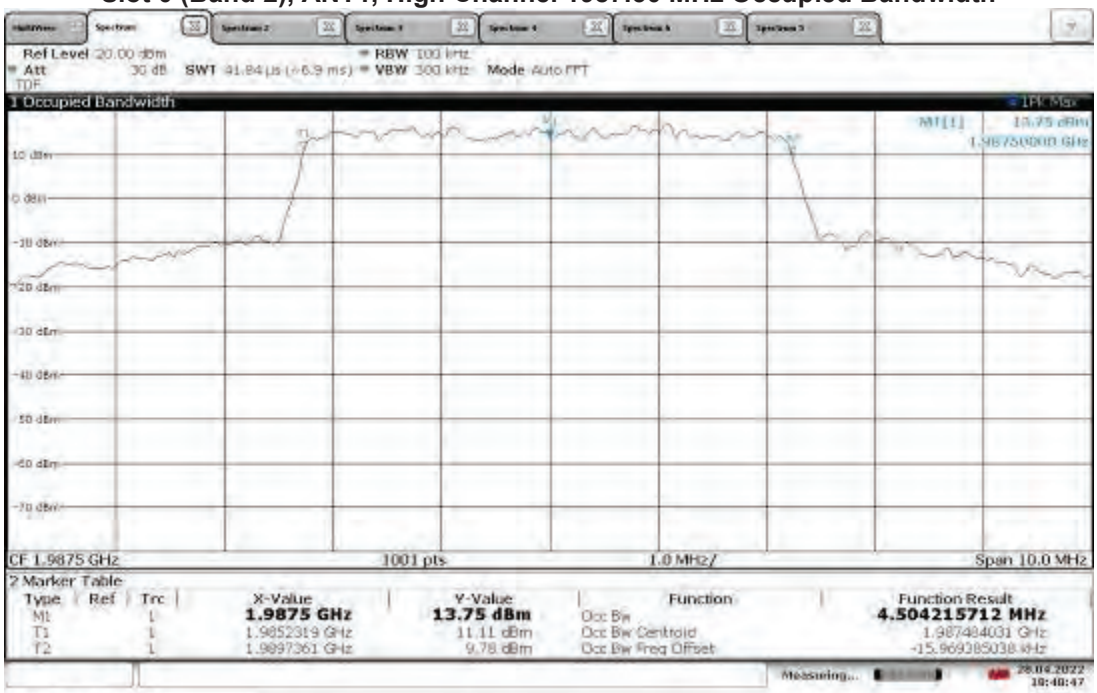
TM3.1-64QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz Occupied Bandwidth



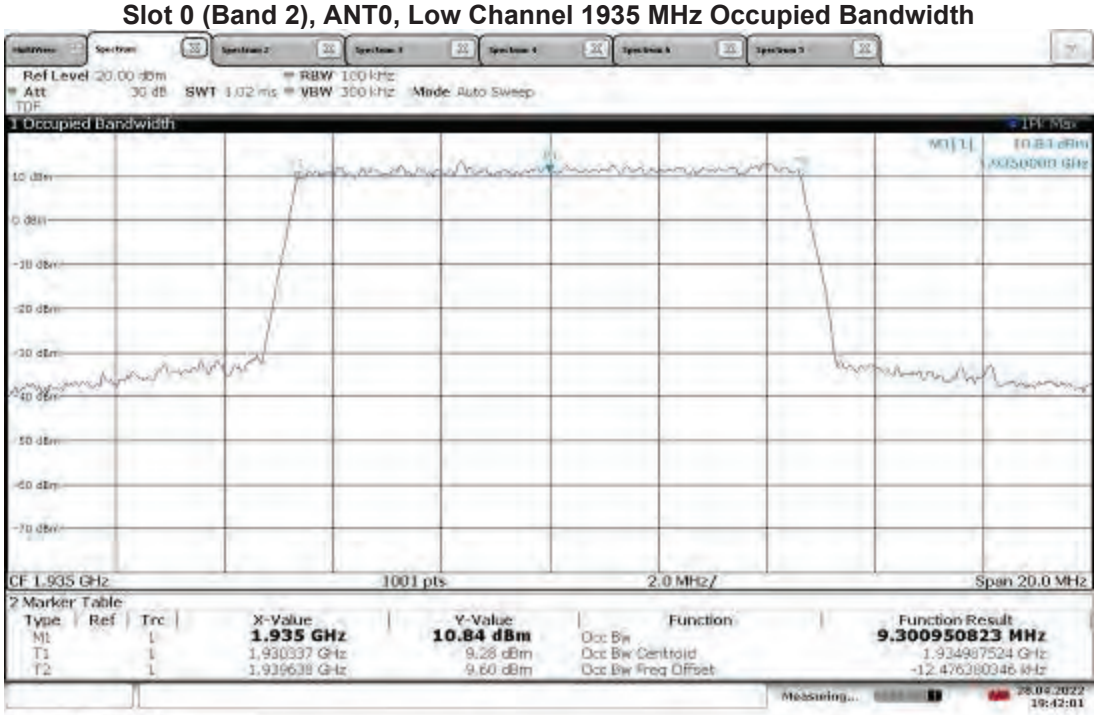
TM3.1-64QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1987.50 MHz Occupied Bandwidth



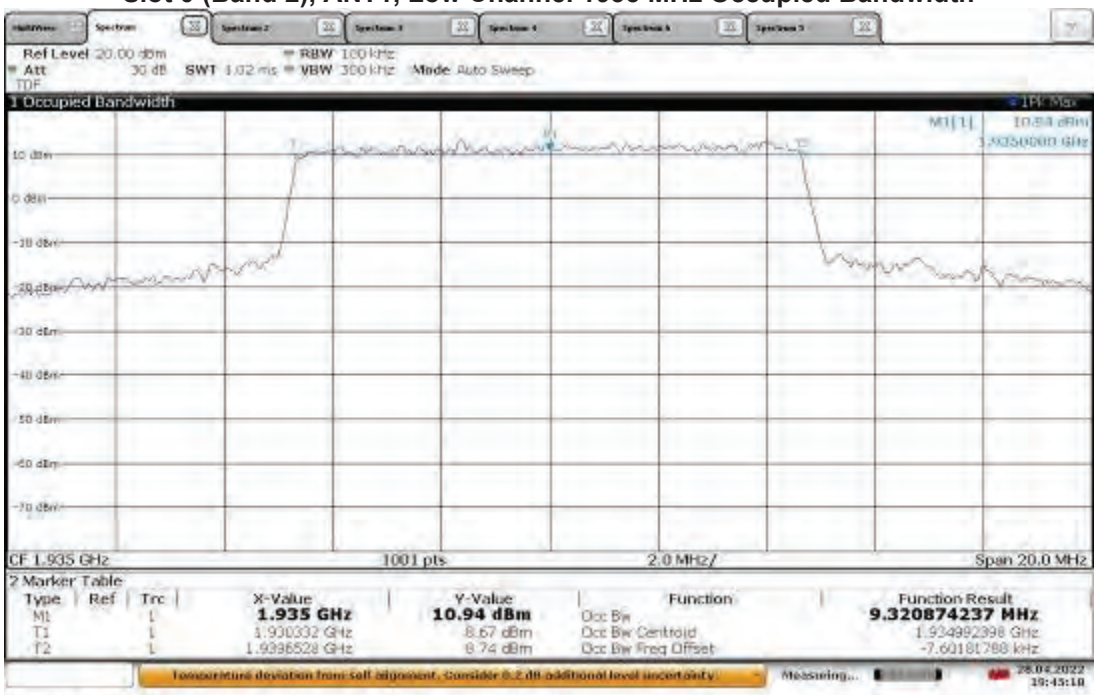
TM3.1-64QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1987.50 MHz Occupied Bandwidth



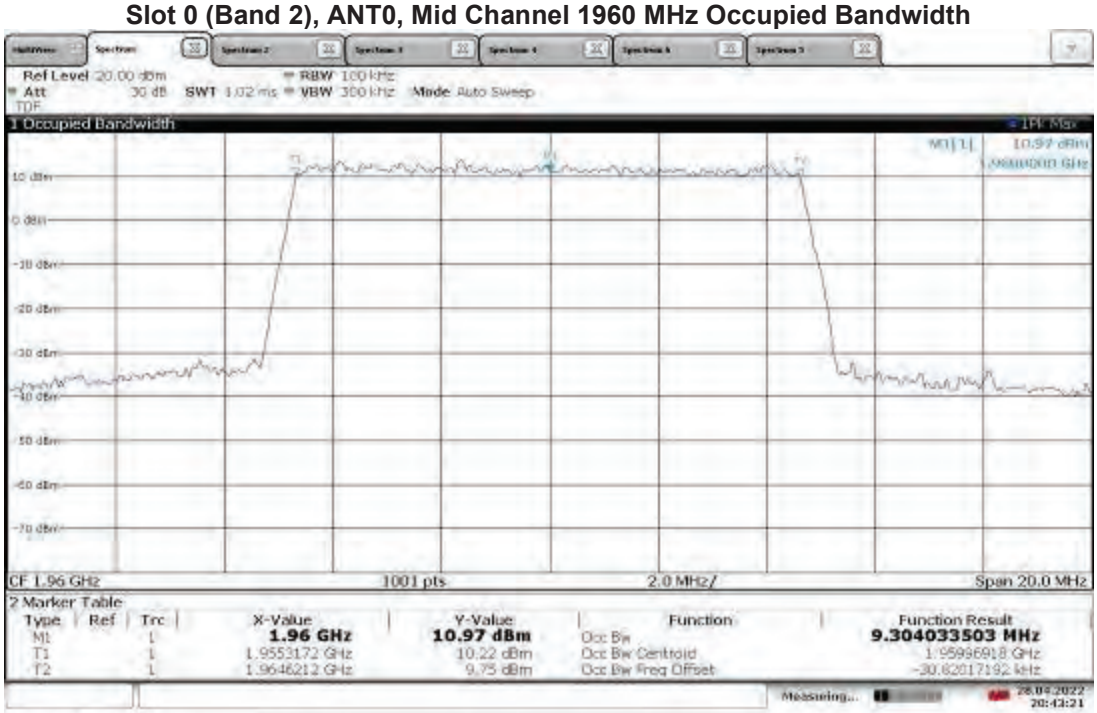
TM3.1-64QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1935 MHz Occupied Bandwidth



TM3.1-64QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1935 MHz Occupied Bandwidth

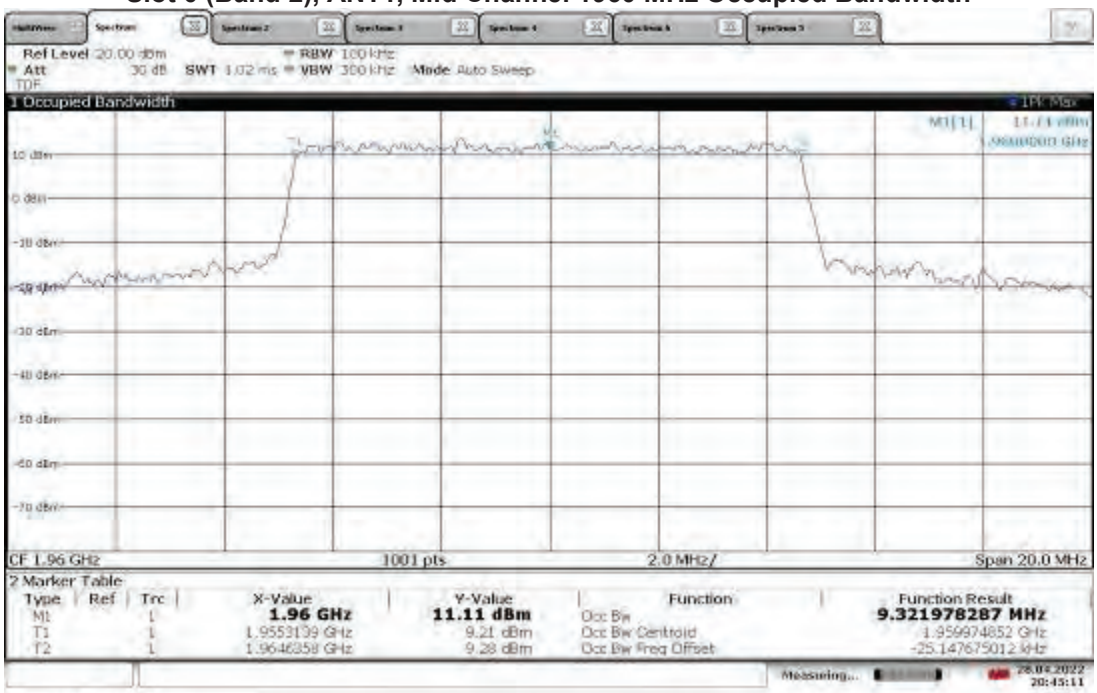


TM3.1-64QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz Occupied Bandwidth



20:43:22 28.04.2022

TM3.1-64QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz Occupied Bandwidth



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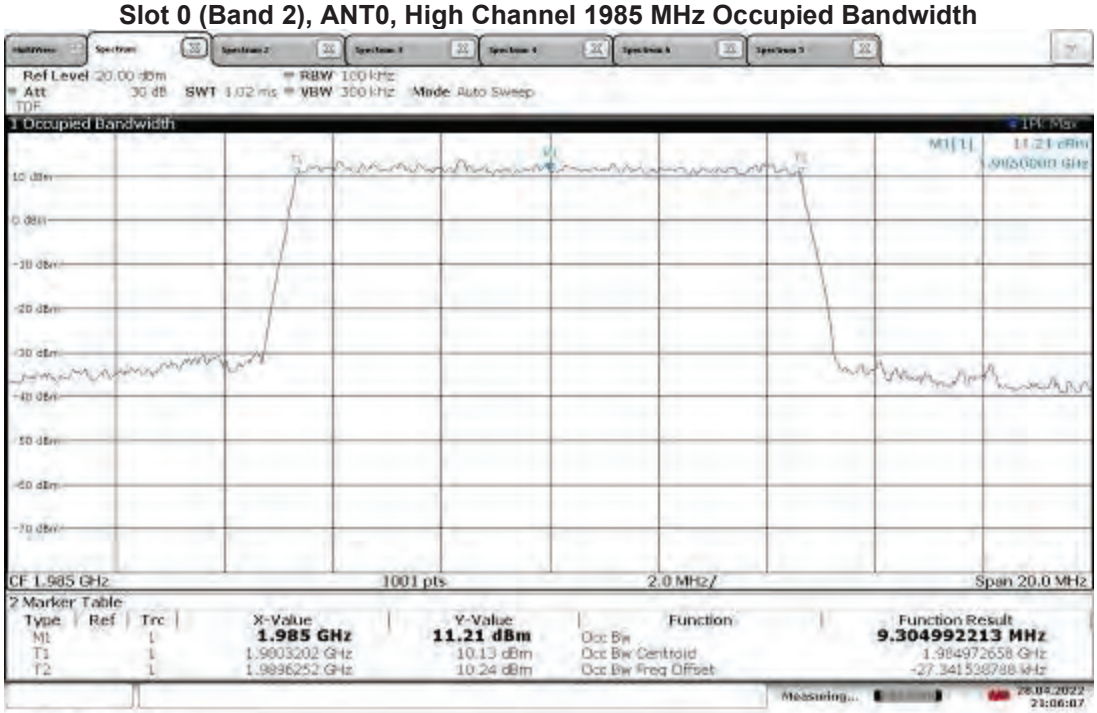
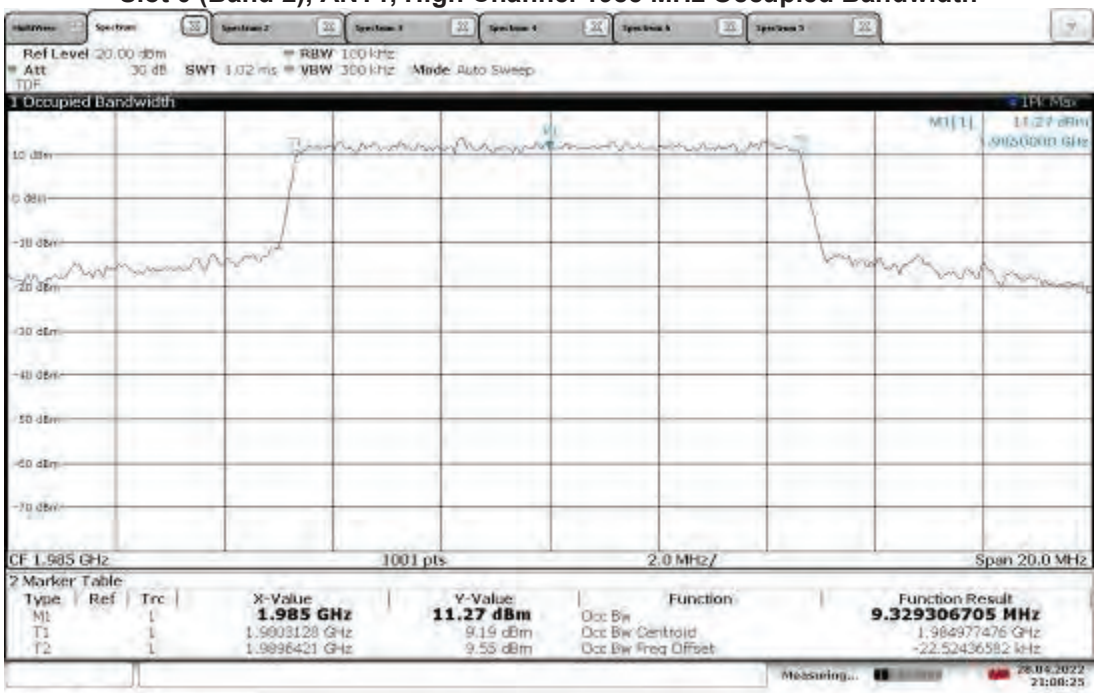
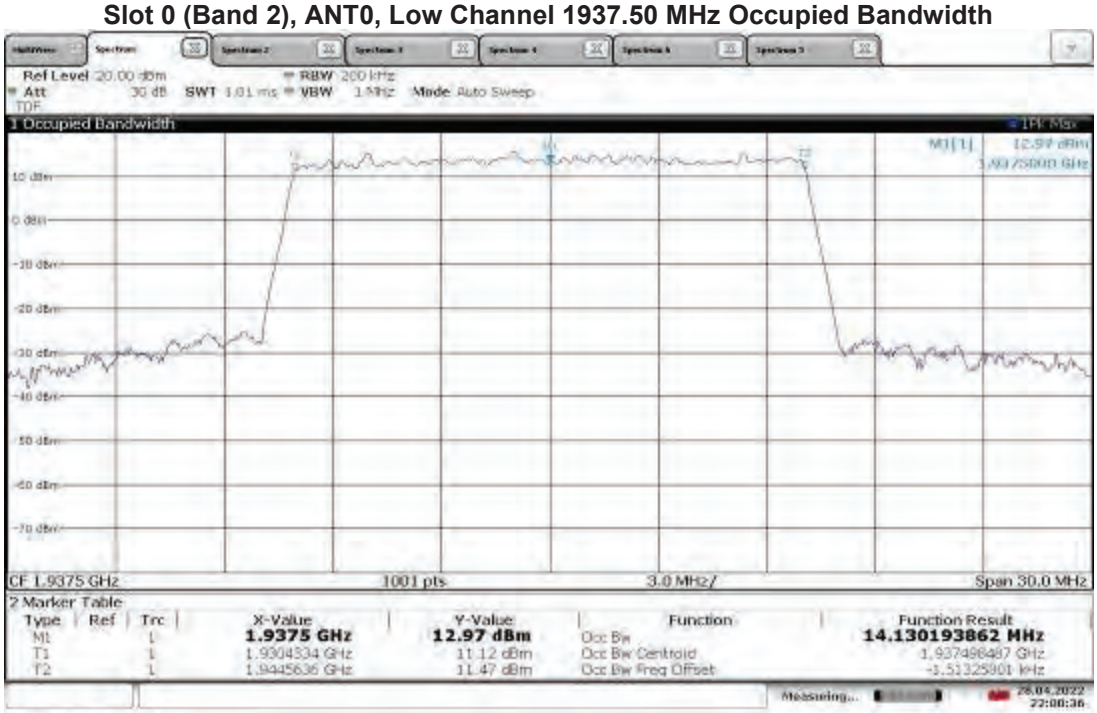
TM3.1-64QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1985 MHz Occupied Bandwidth



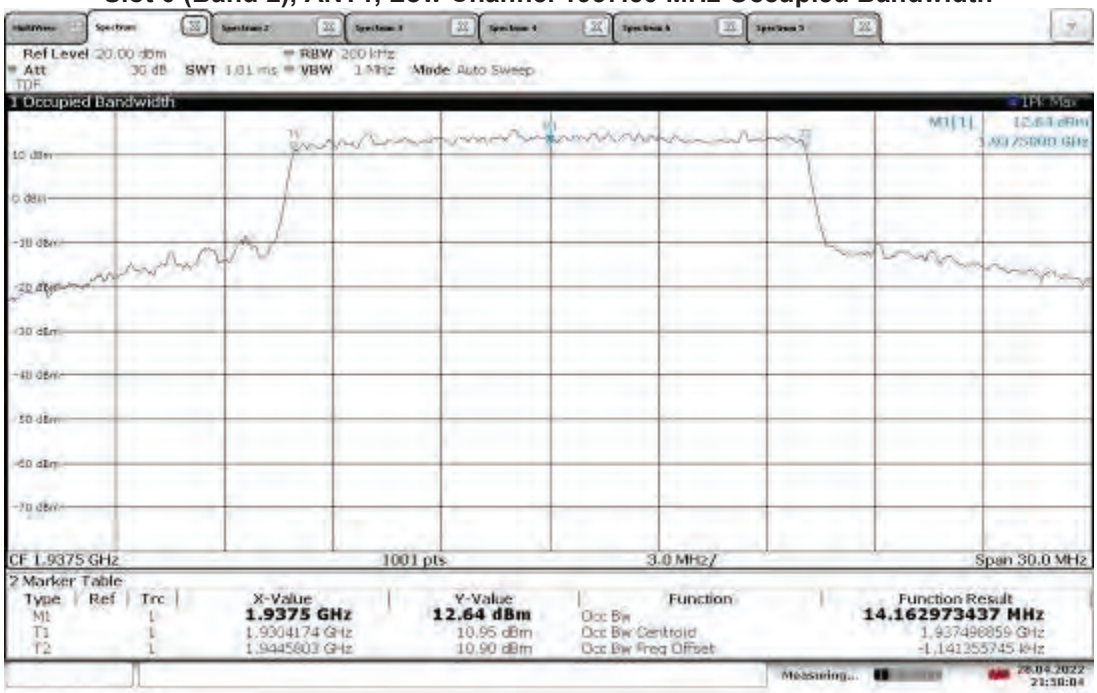
TM3.1-64QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1985 MHz Occupied Bandwidth



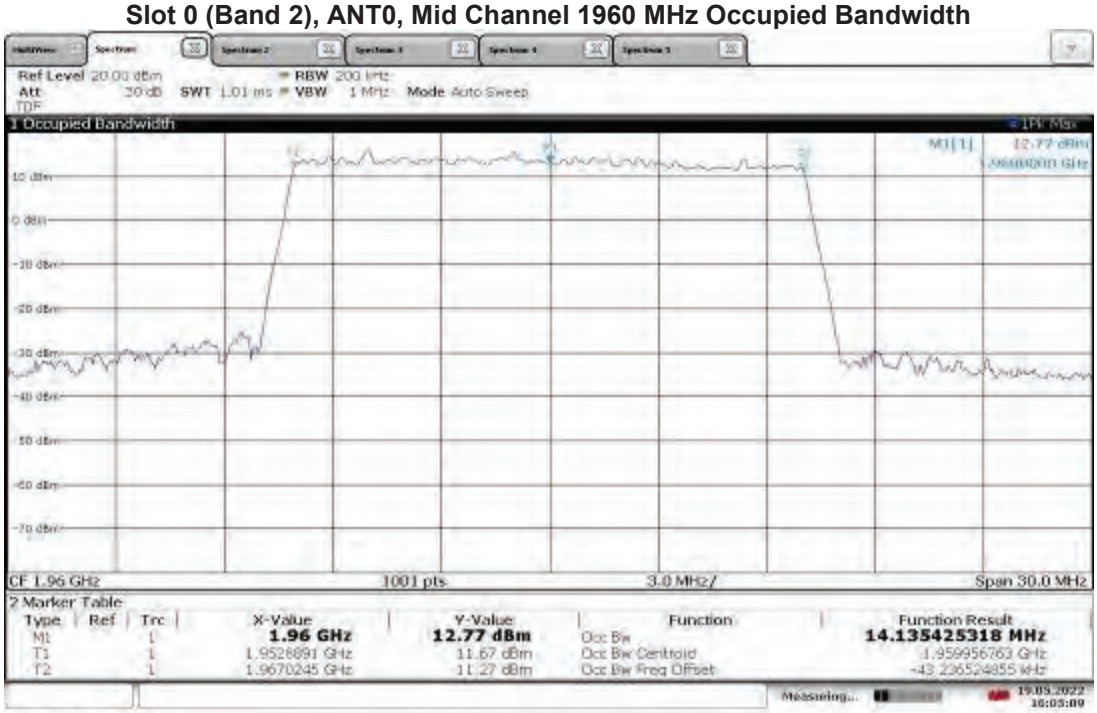
TM3.1-64QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1937.50 MHz Occupied Bandwidth



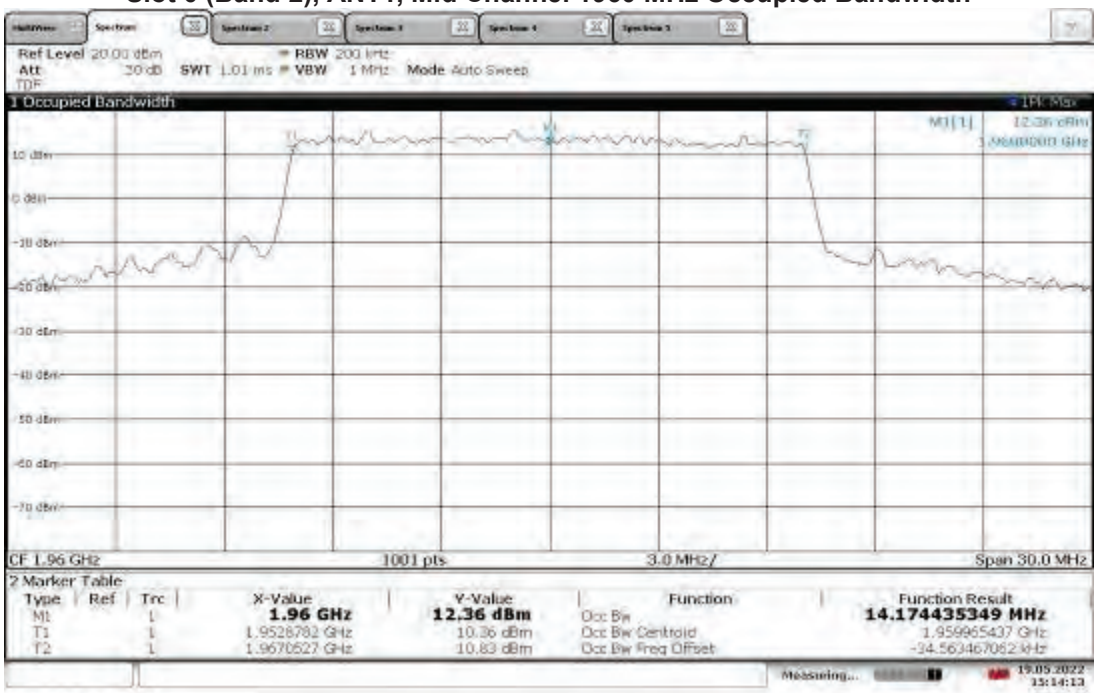
TM3.1-64QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1937.50 MHz Occupied Bandwidth



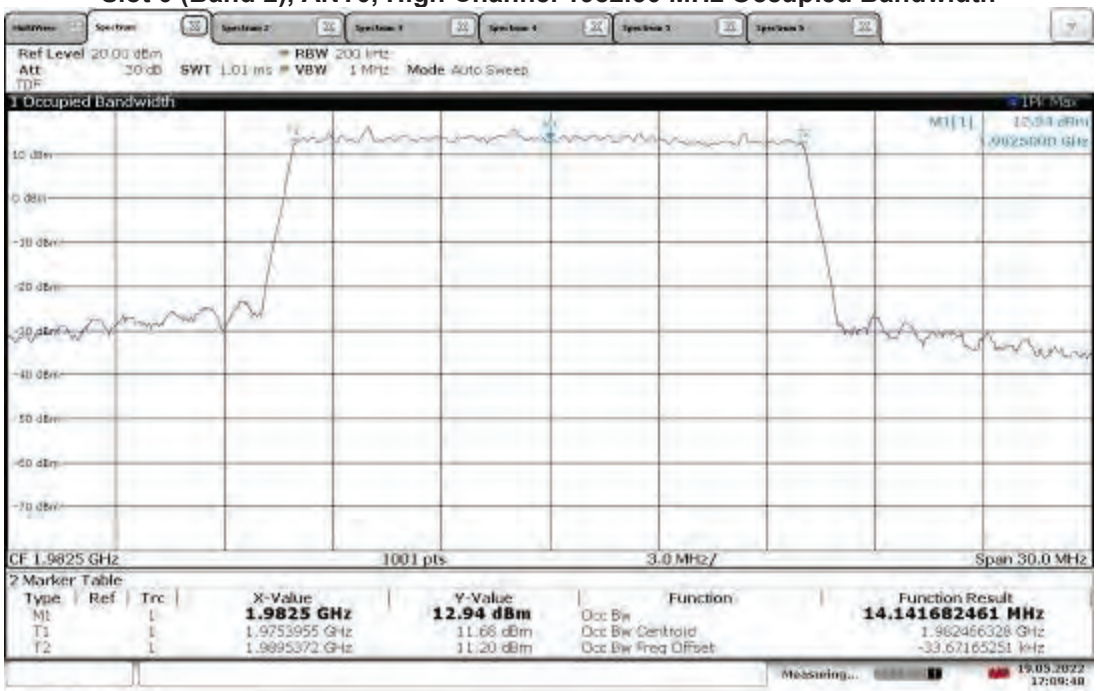
TM3.1-64QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz Occupied Bandwidth



TM3.1-64QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz Occupied Bandwidth

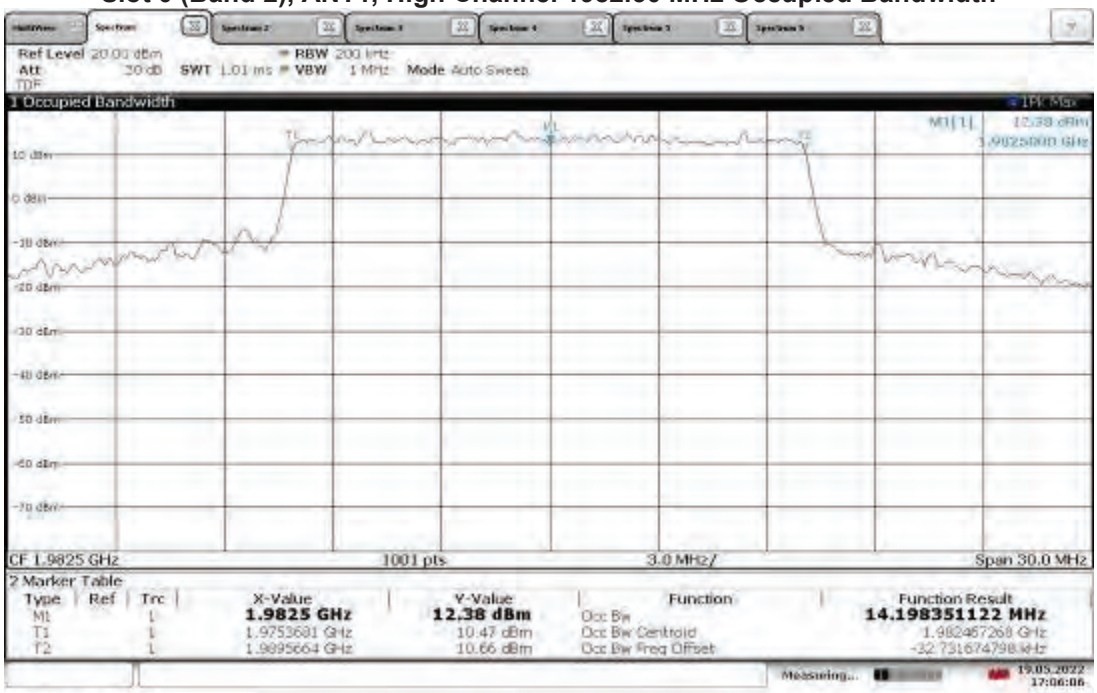


TM3.1-64QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1982.50 MHz Occupied Bandwidth



17:09:48 19.05.2022

TM3.1-64QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1982.50 MHz Occupied Bandwidth



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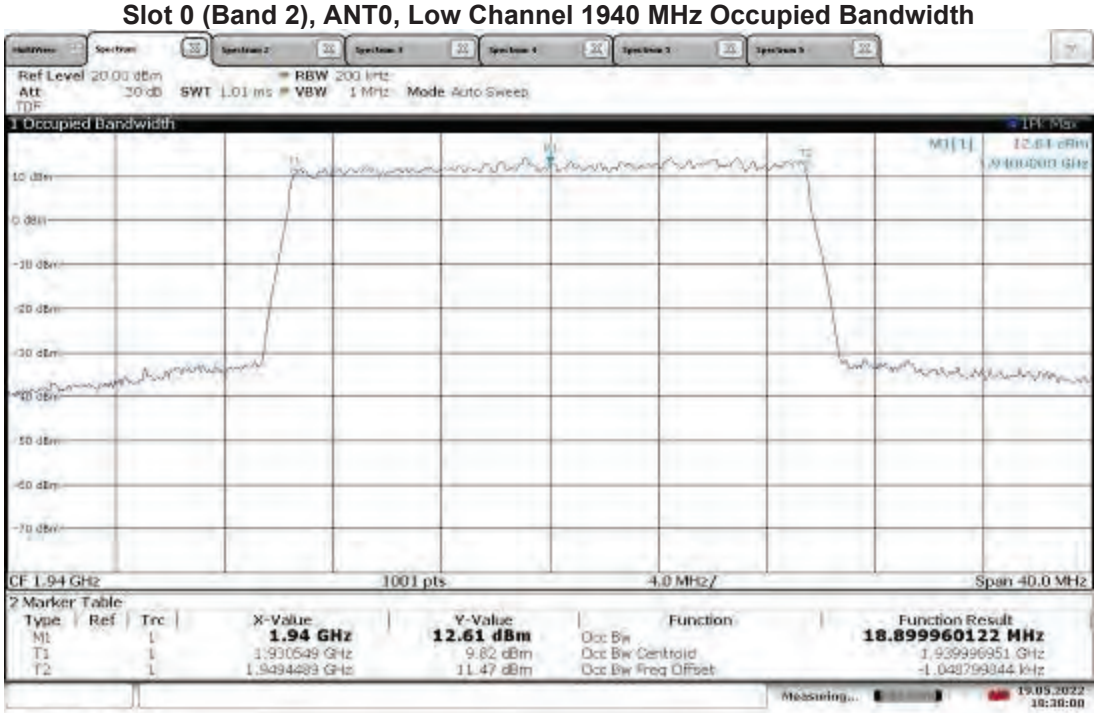
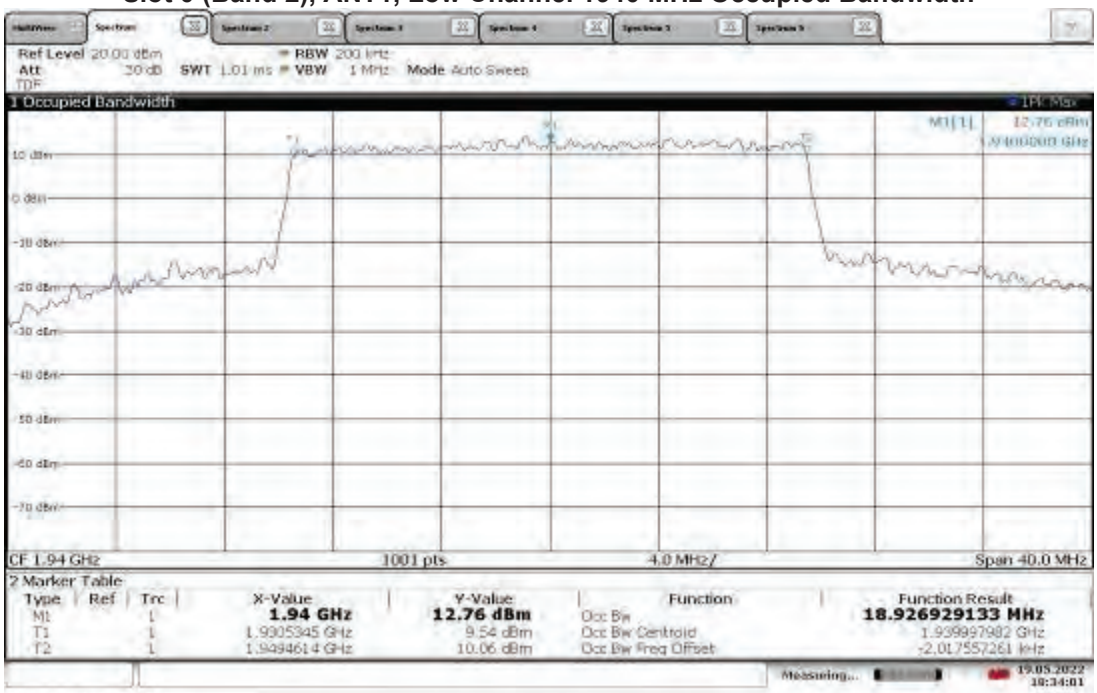
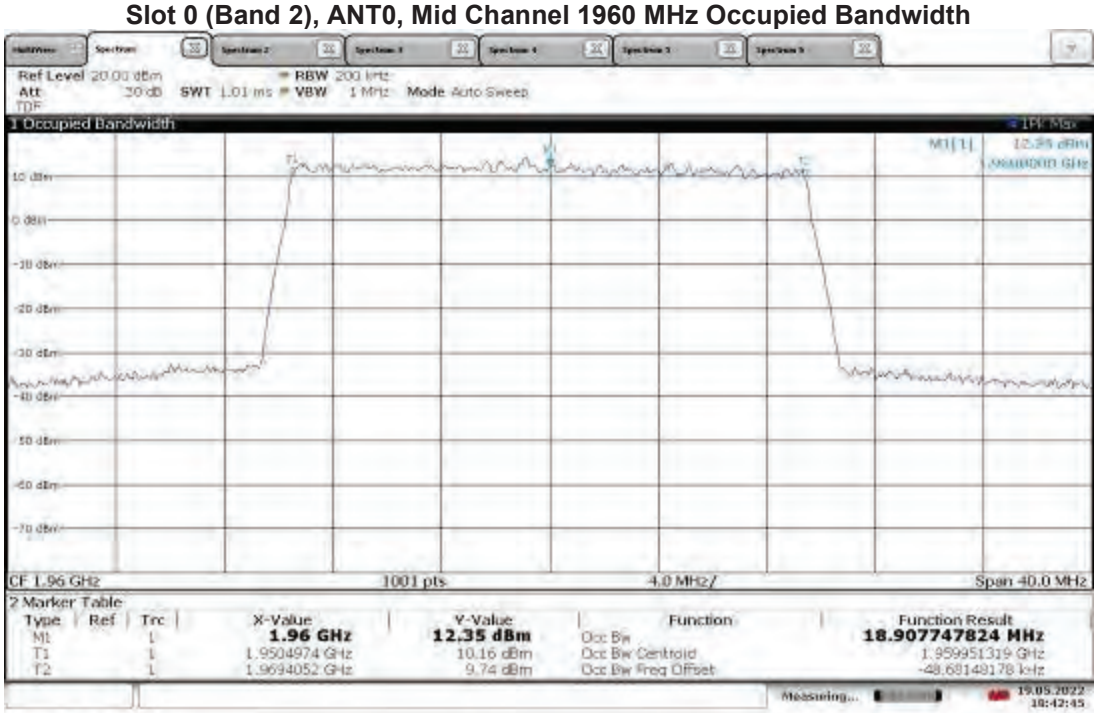
TM3.1-64QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1940 MHz Occupied Bandwidth



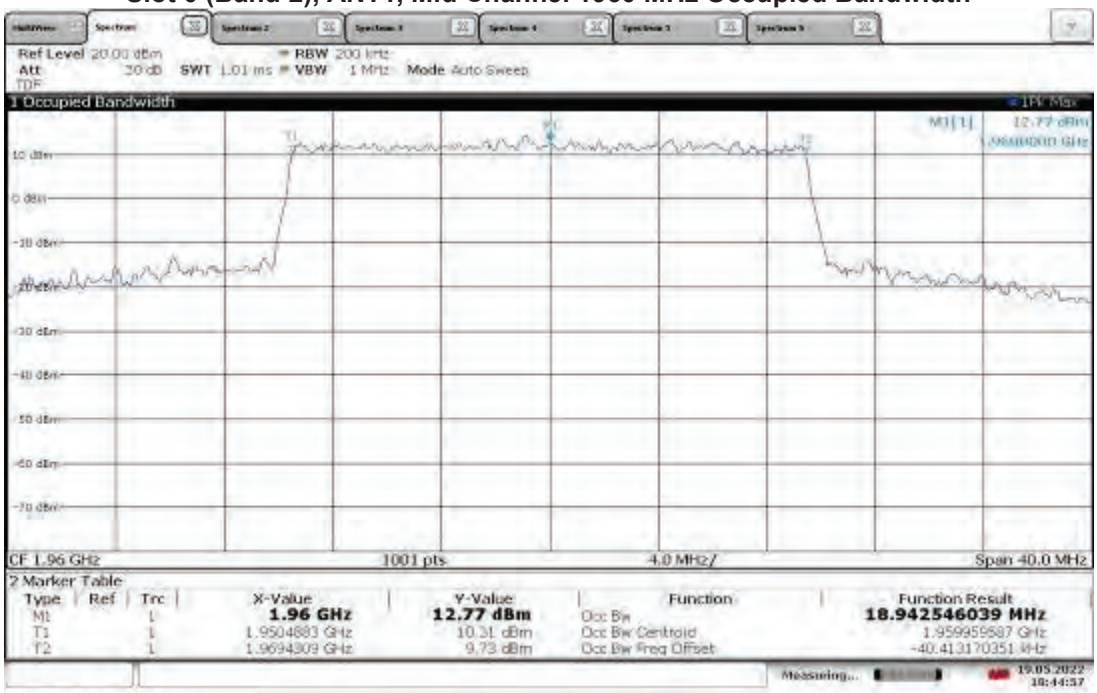
TM3.1-64QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1940 MHz Occupied Bandwidth



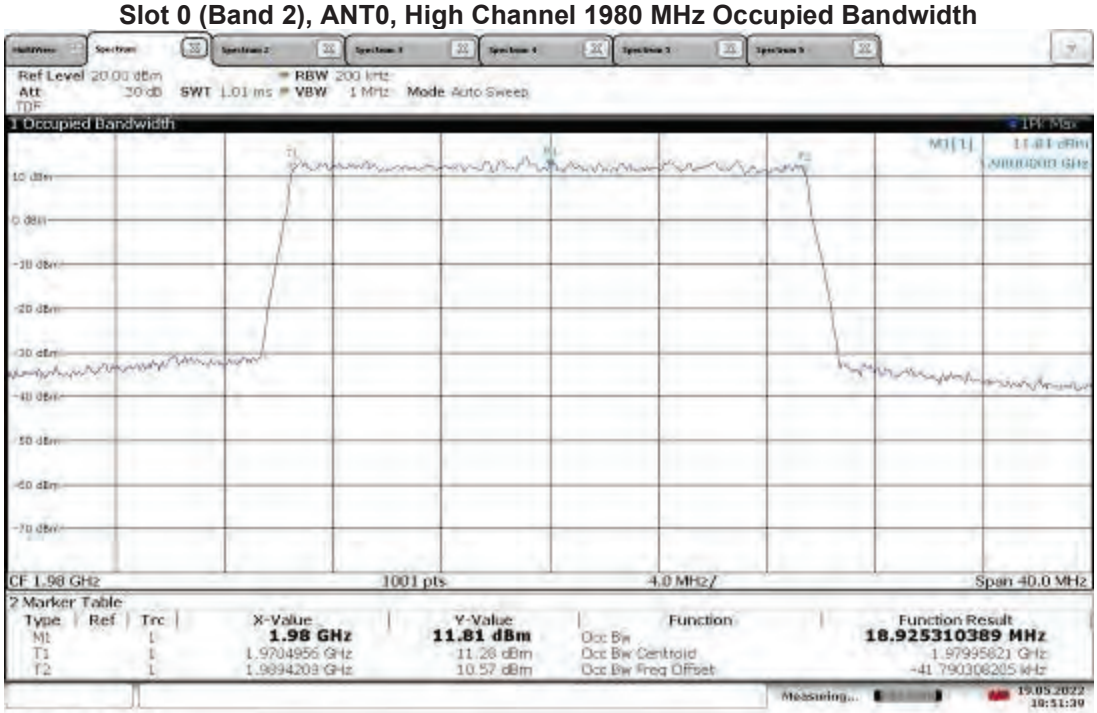
TM3.1-64QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz Occupied Bandwidth



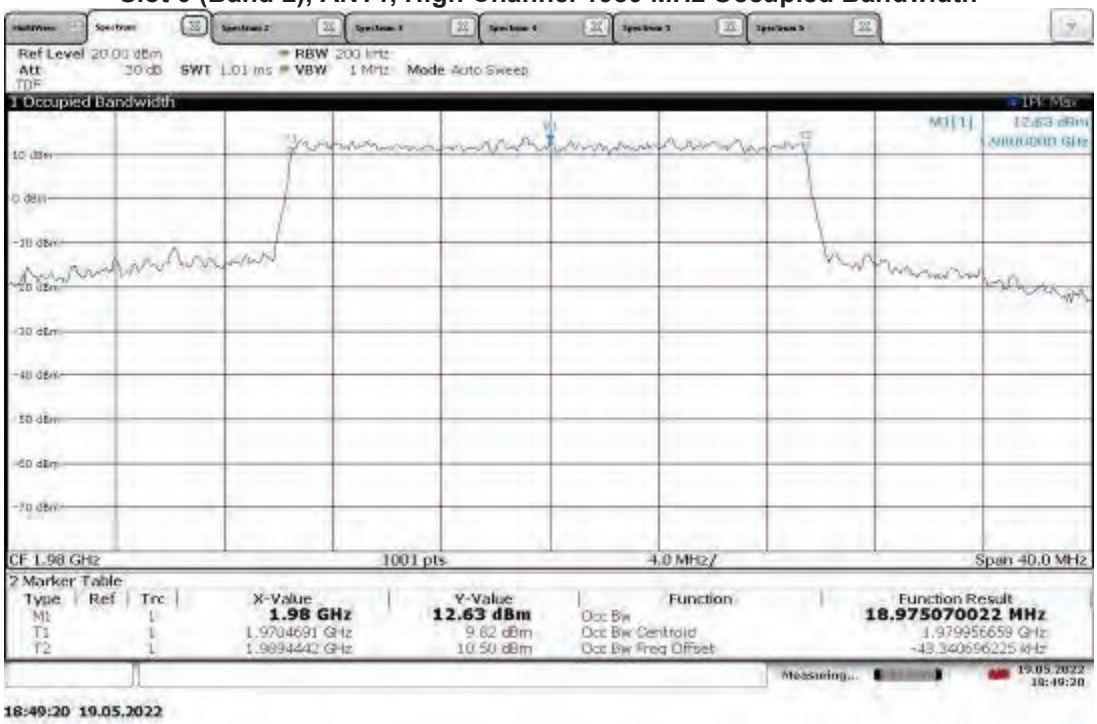
TM3.1-64QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz Occupied Bandwidth



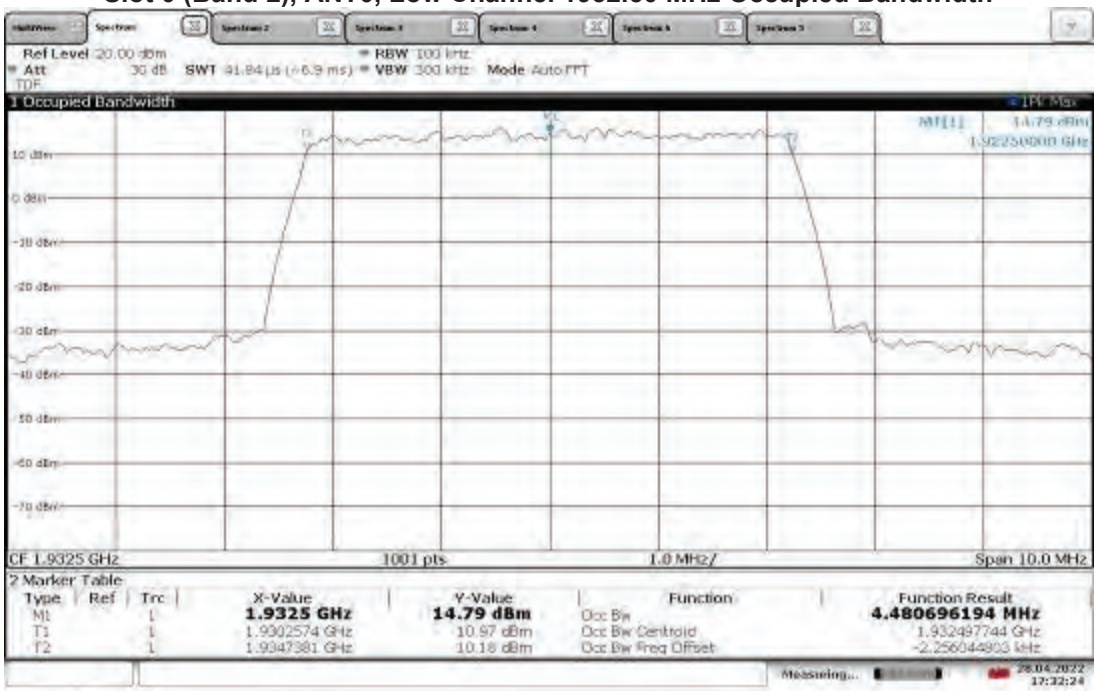
TM3.1-64QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1980 MHz Occupied Bandwidth



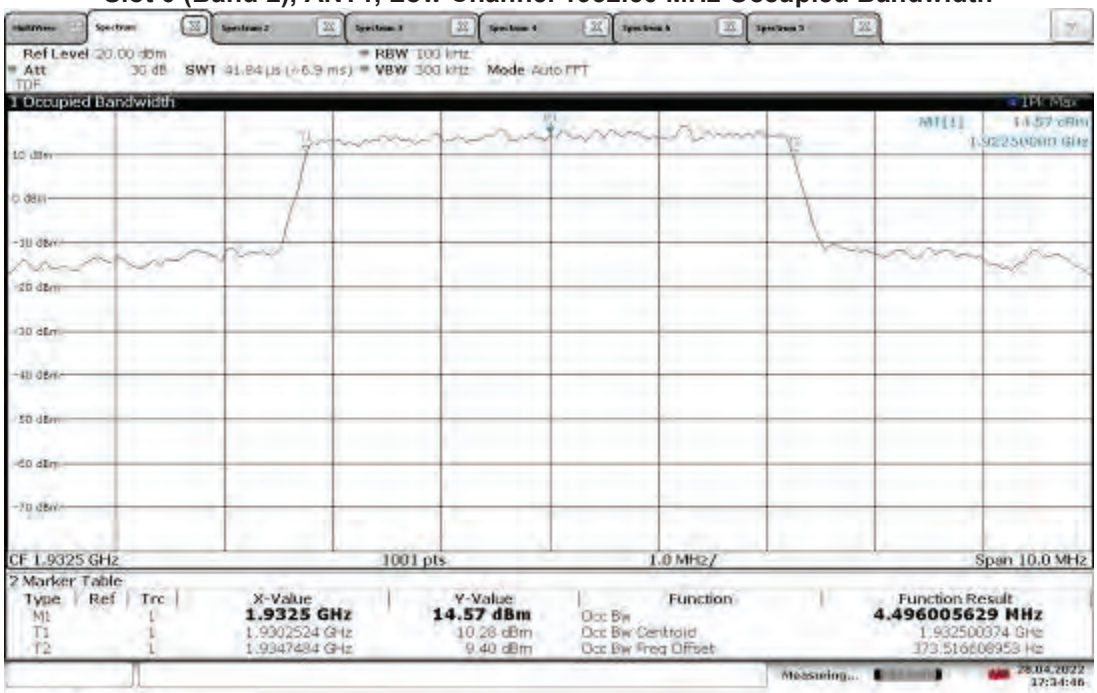
TM3.1-64QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1980 MHz Occupied Bandwidth



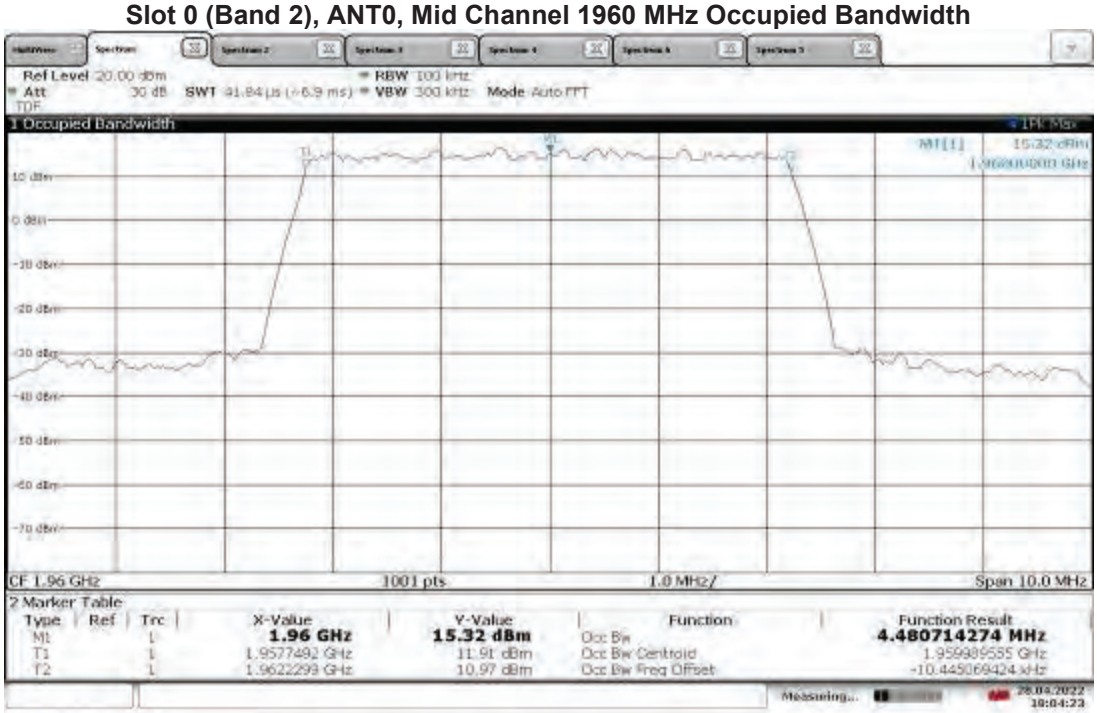
TM3.1a-256QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1932.50 MHz Occupied Bandwidth



TM3.1a-256QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1932.50 MHz Occupied Bandwidth

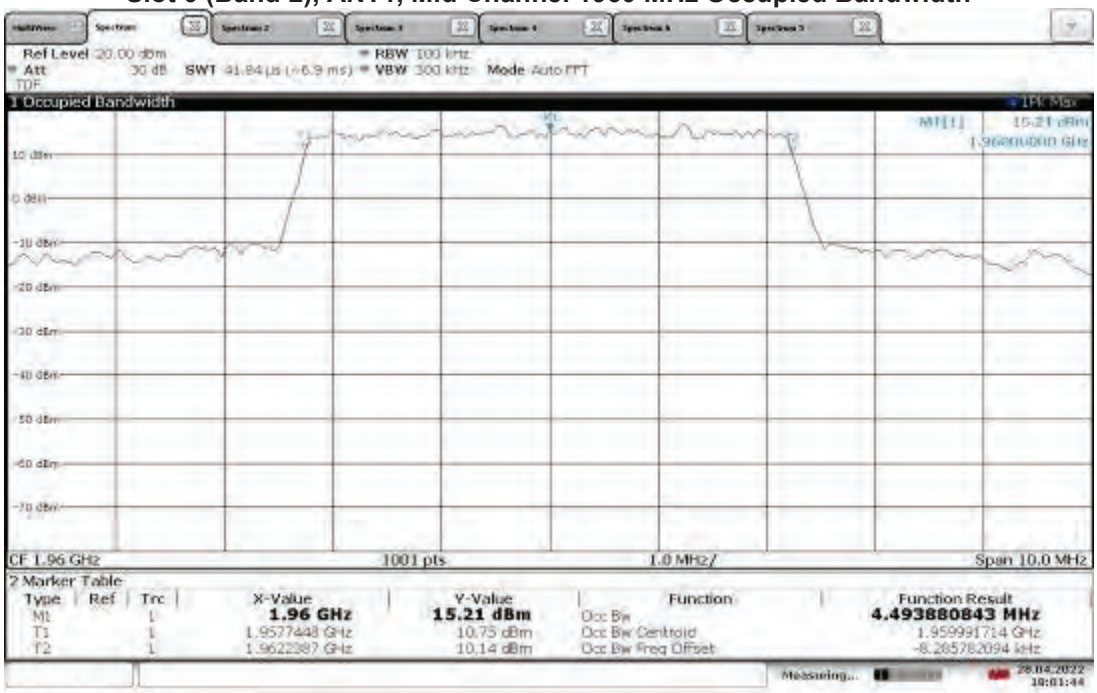


TM3.1a-256QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz Occupied Bandwidth



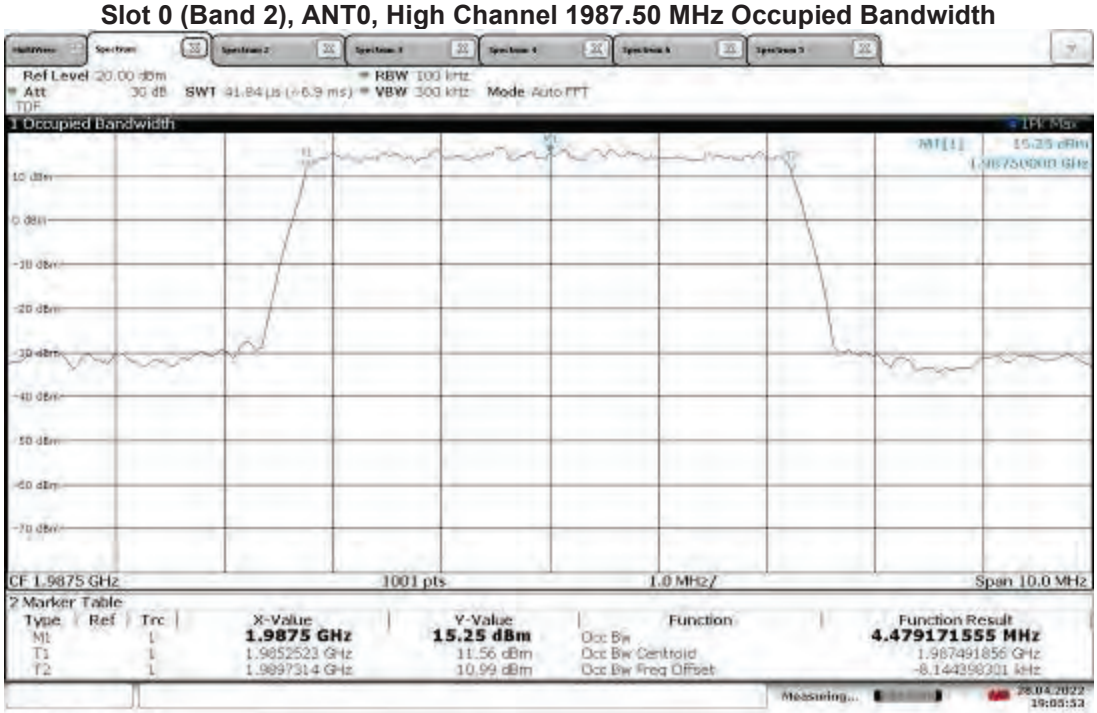
18:04:24 28.04.2022

TM3.1a-256QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz Occupied Bandwidth

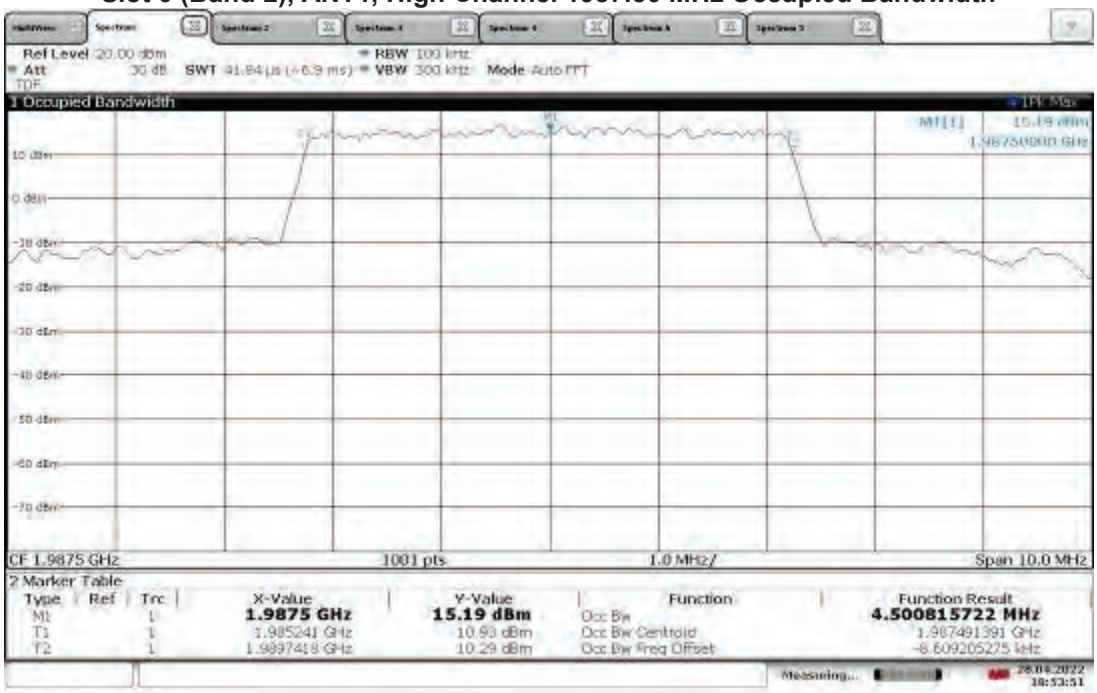


18:01:44 28.04.2022

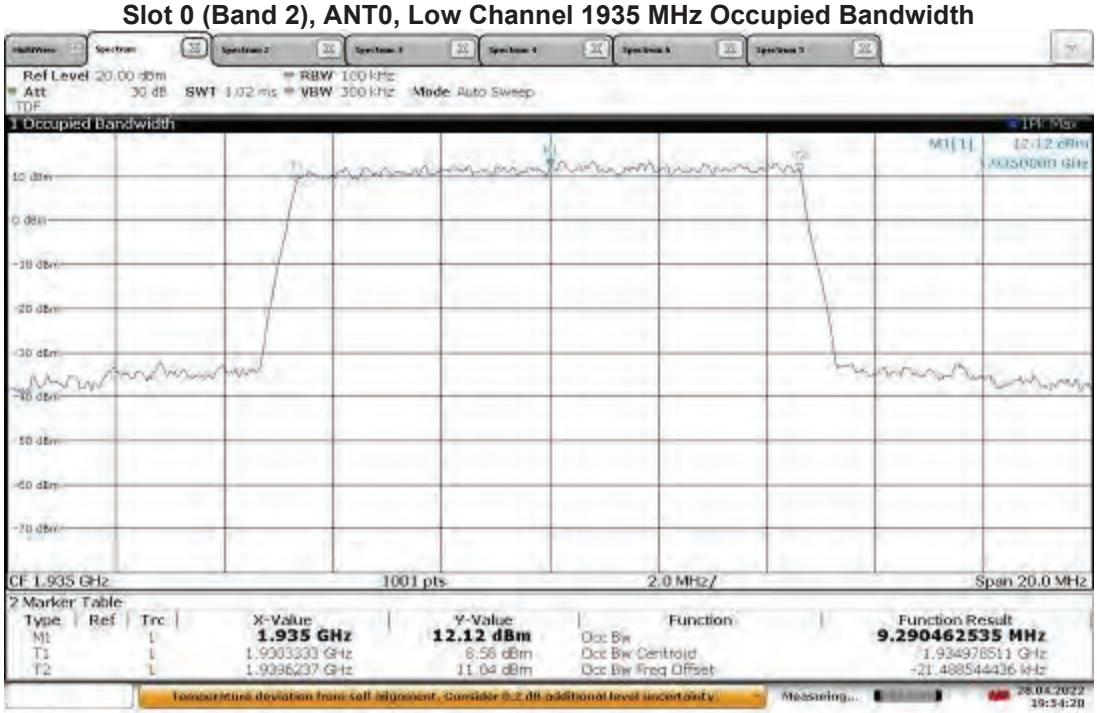
TM3.1a-256QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1987.50 MHz Occupied Bandwidth



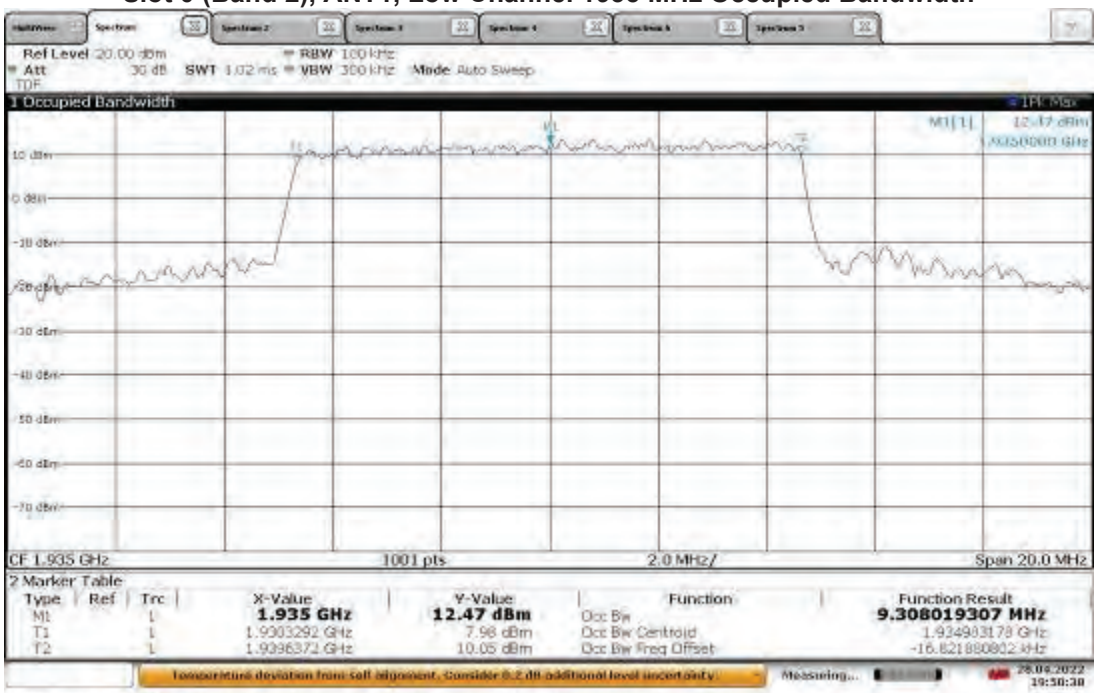
TM3.1a-256QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1987.50 MHz Occupied Bandwidth



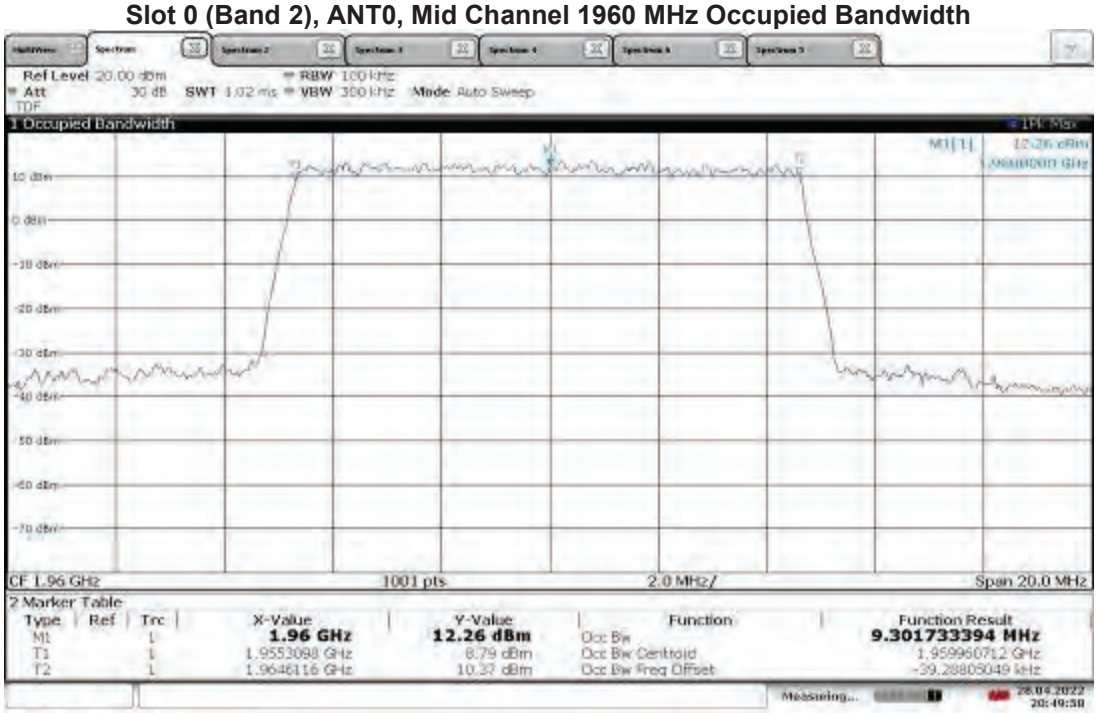
TM3.1a-256QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1935 MHz Occupied Bandwidth



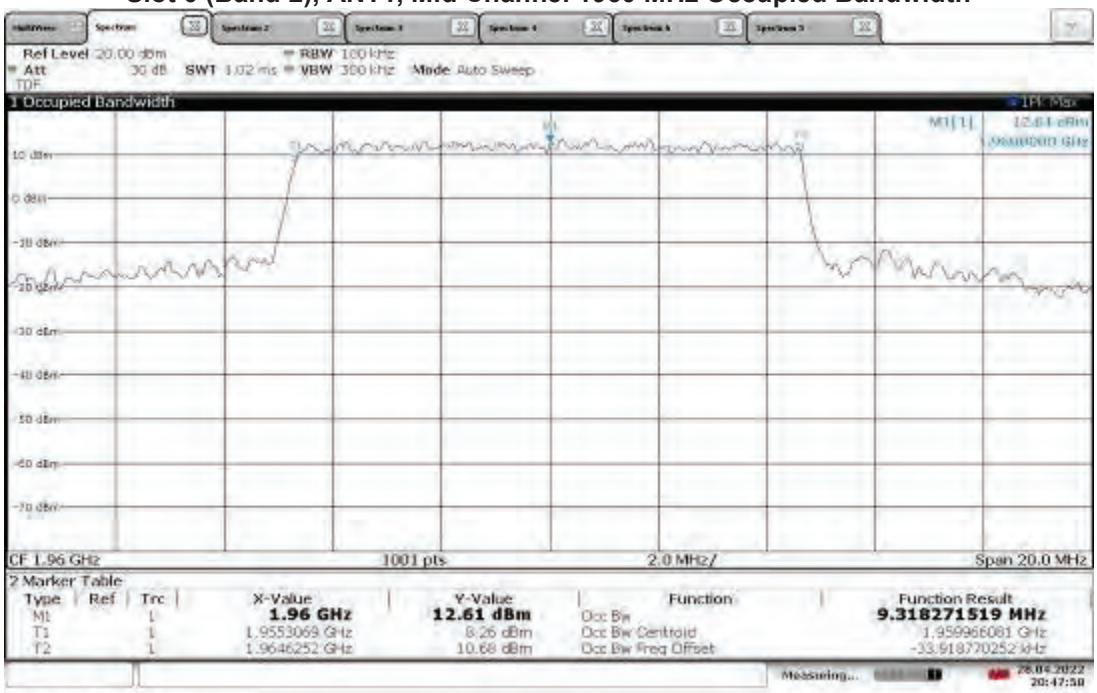
TM3.1a-256QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1935 MHz Occupied Bandwidth



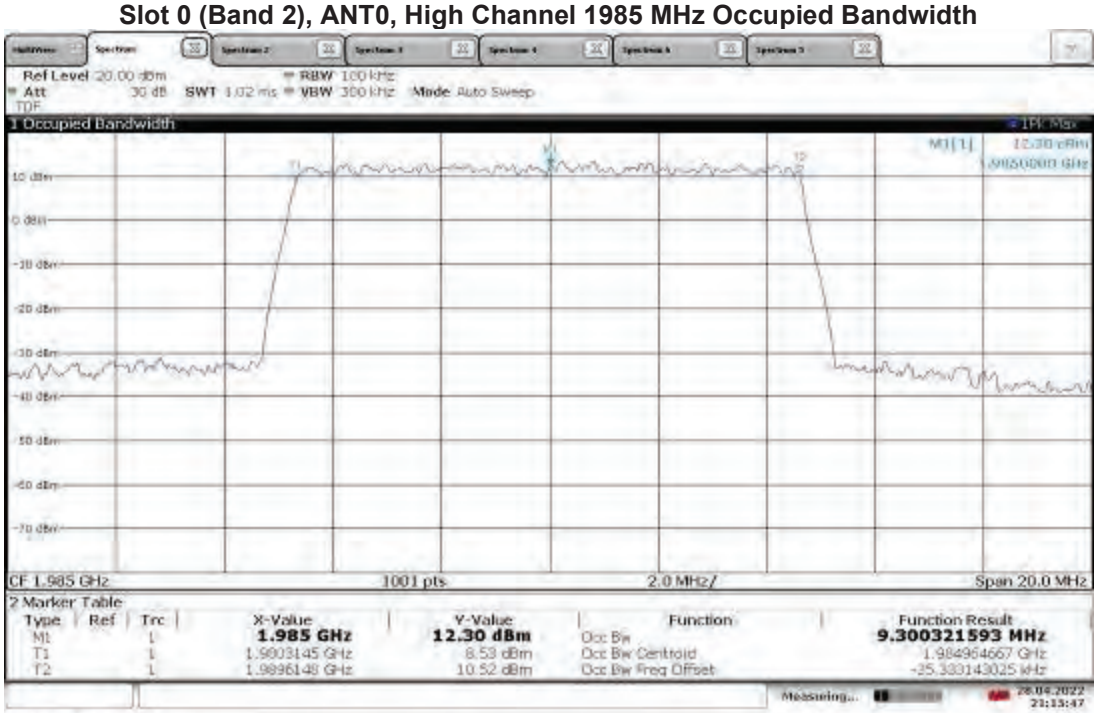
TM3.1a-256QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz Occupied Bandwidth



TM3.1a-256QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz Occupied Bandwidth

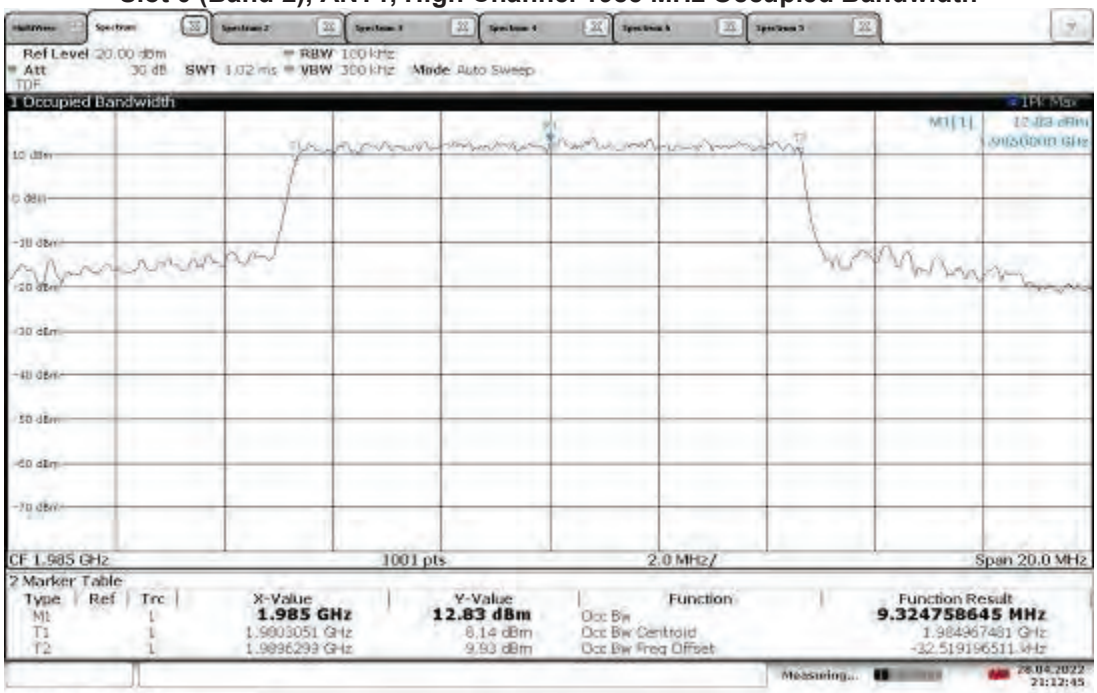


TM3.1a-256QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1985 MHz Occupied Bandwidth



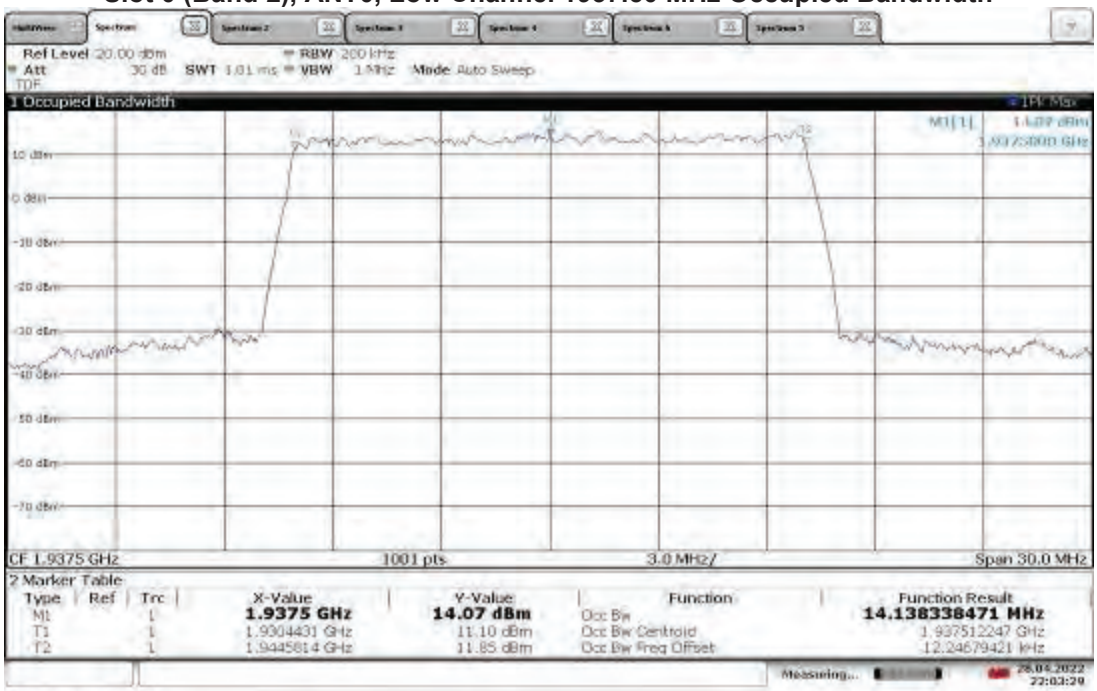
21:15:47 28.04.2022

TM3.1a-256QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1985 MHz Occupied Bandwidth

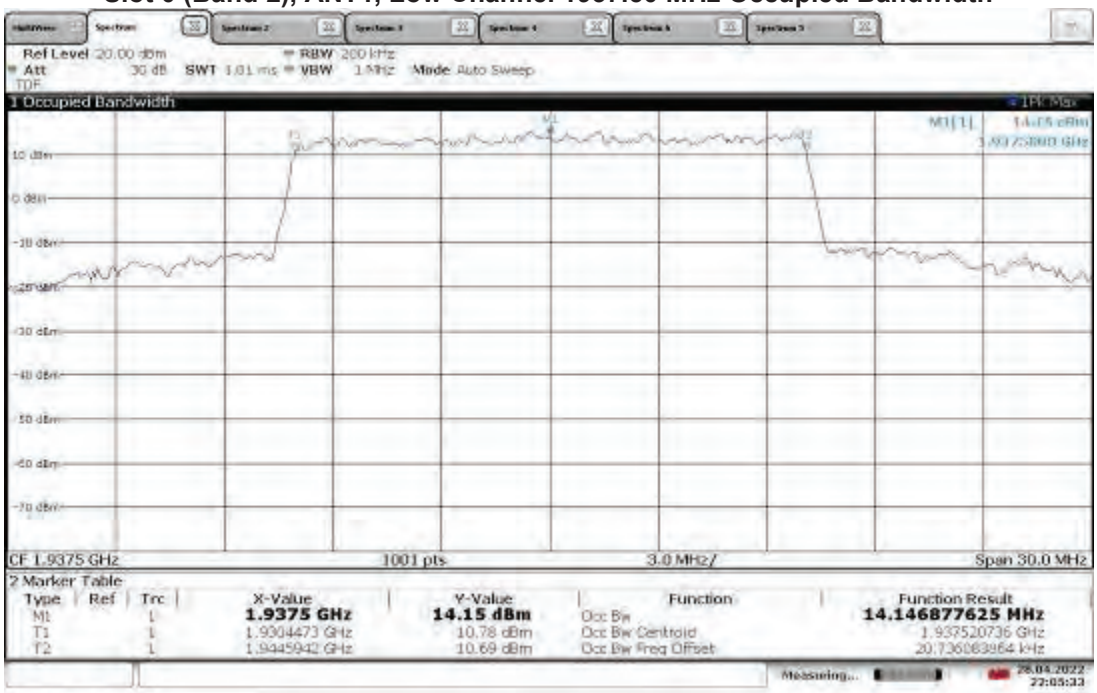


21:12:45 28.04.2022

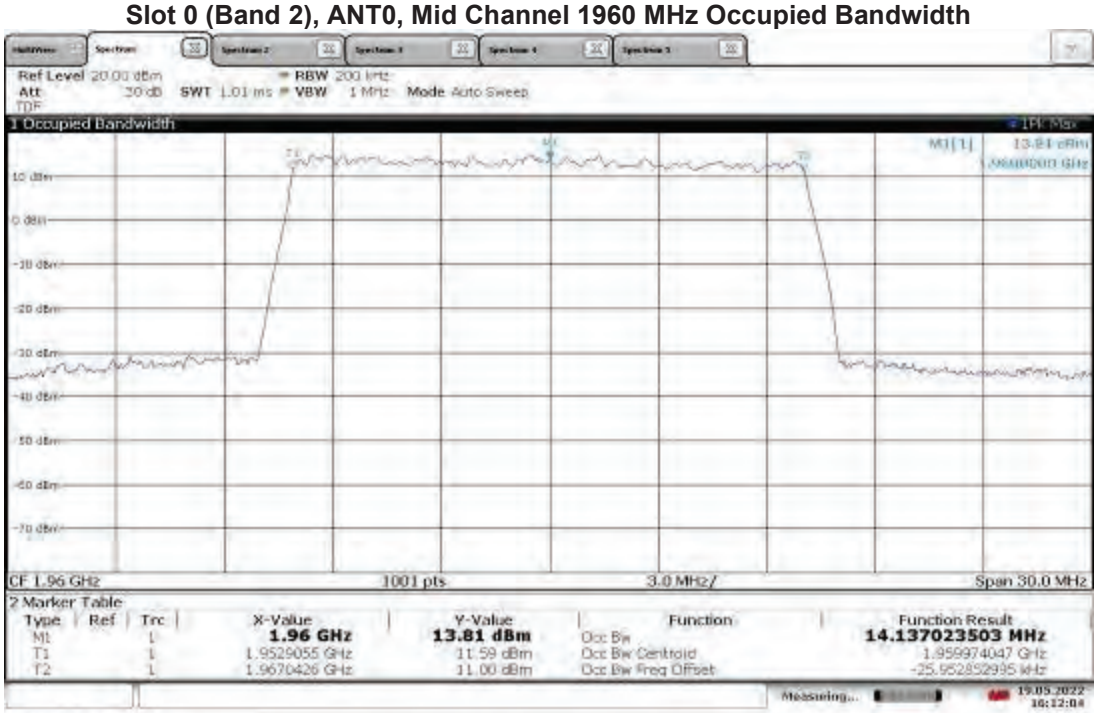
TM3.1a-256QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1937.50 MHz Occupied Bandwidth



TM3.1a-256QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1937.50 MHz Occupied Bandwidth

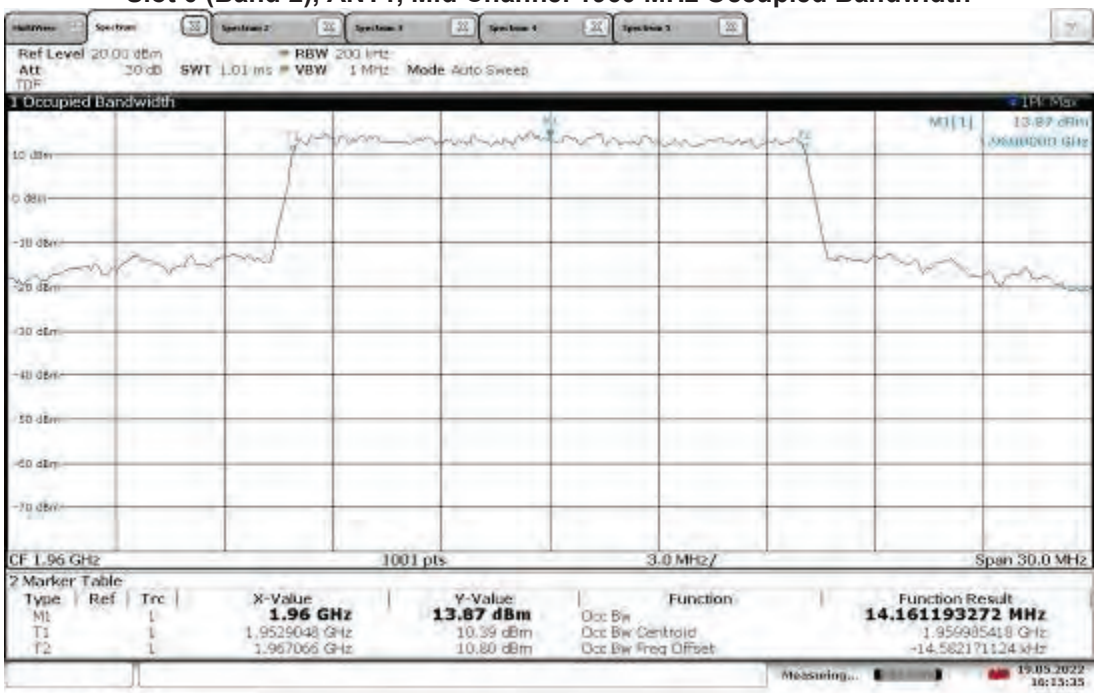


TM3.1a-256QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz Occupied Bandwidth



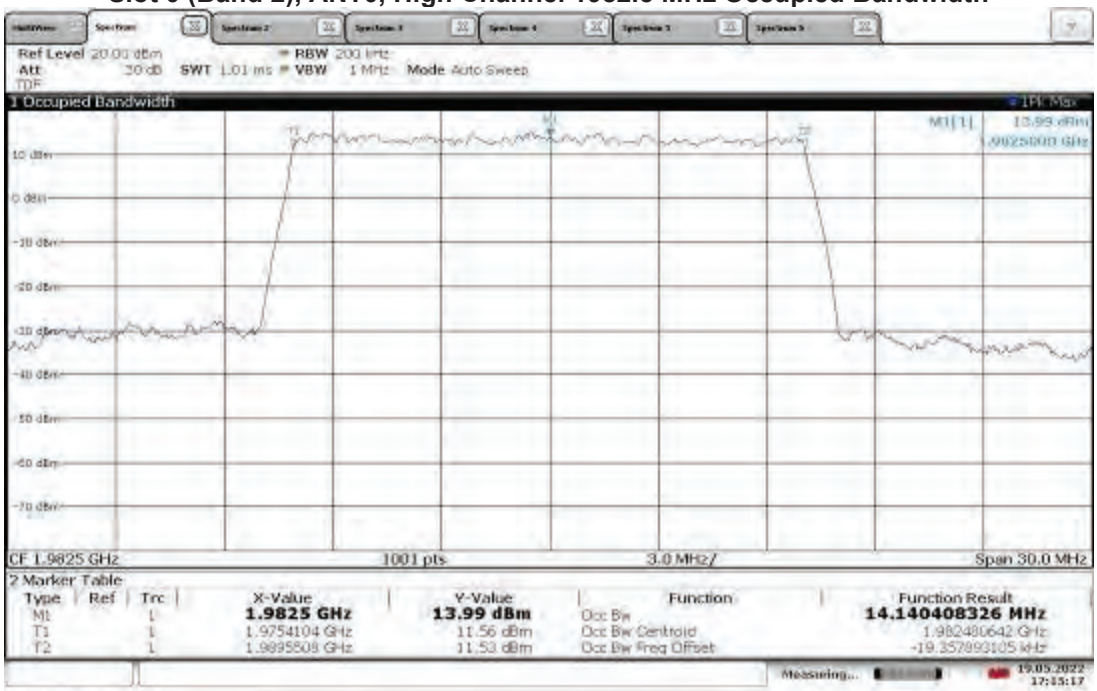
16:12:04 19.05.2022

TM3.1a-256QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz Occupied Bandwidth



16:15:35 19.05.2022

TM3.1a-256QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1982.5 MHz Occupied Bandwidth



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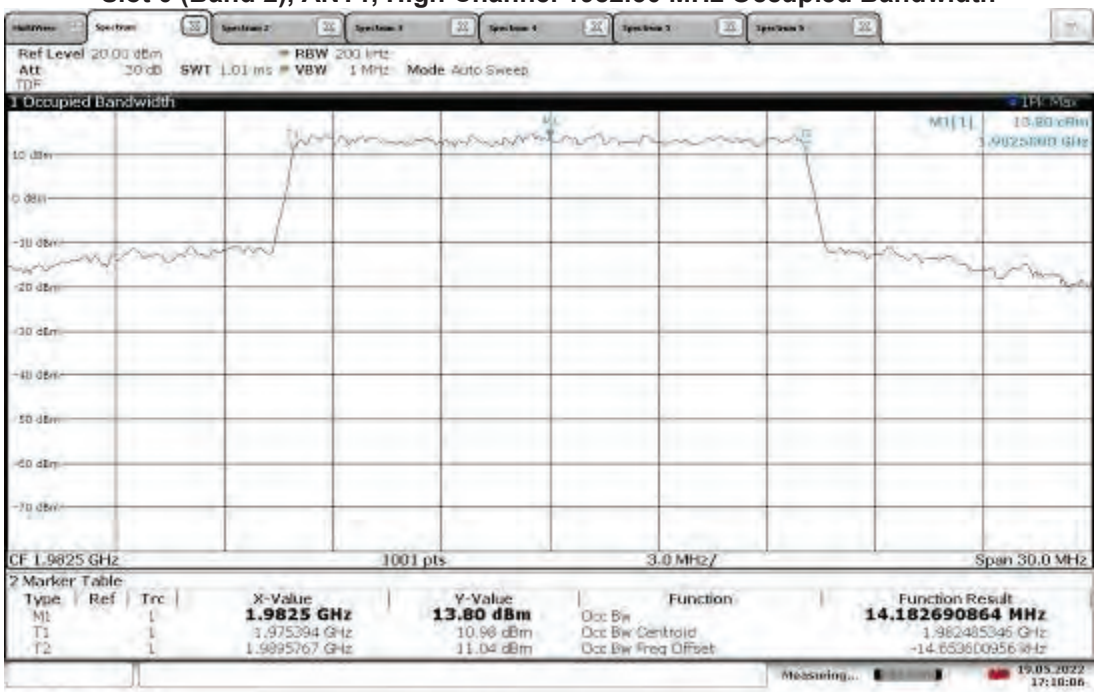
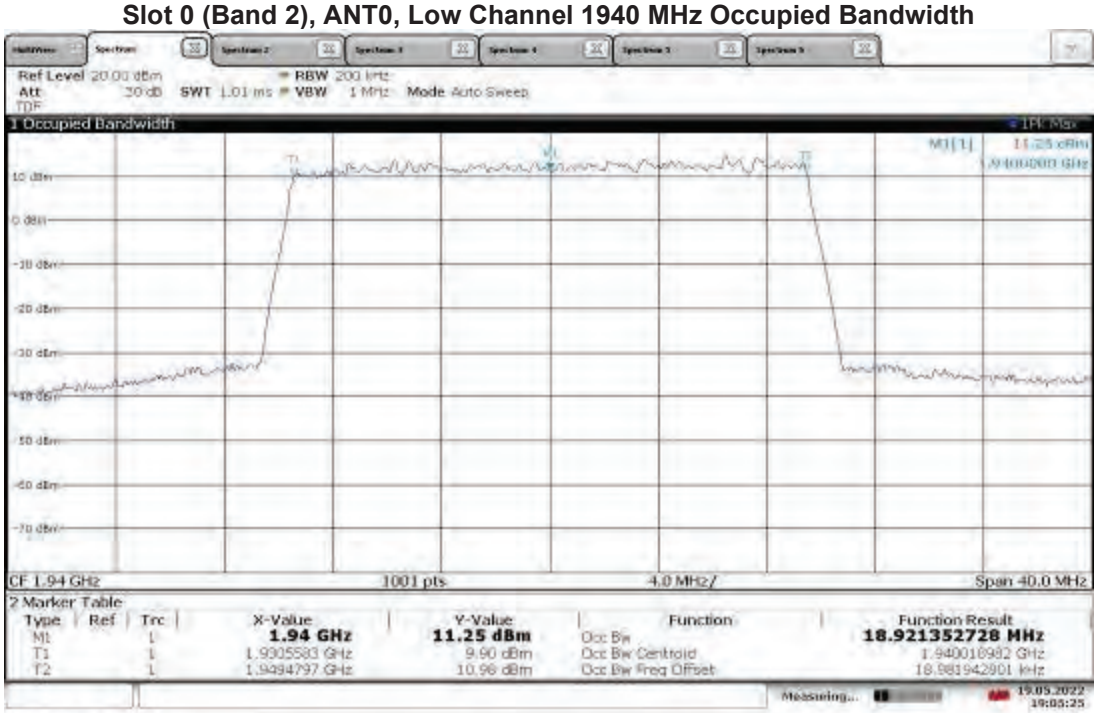
TM3.1a-256QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1982.50 MHz Occupied Bandwidth



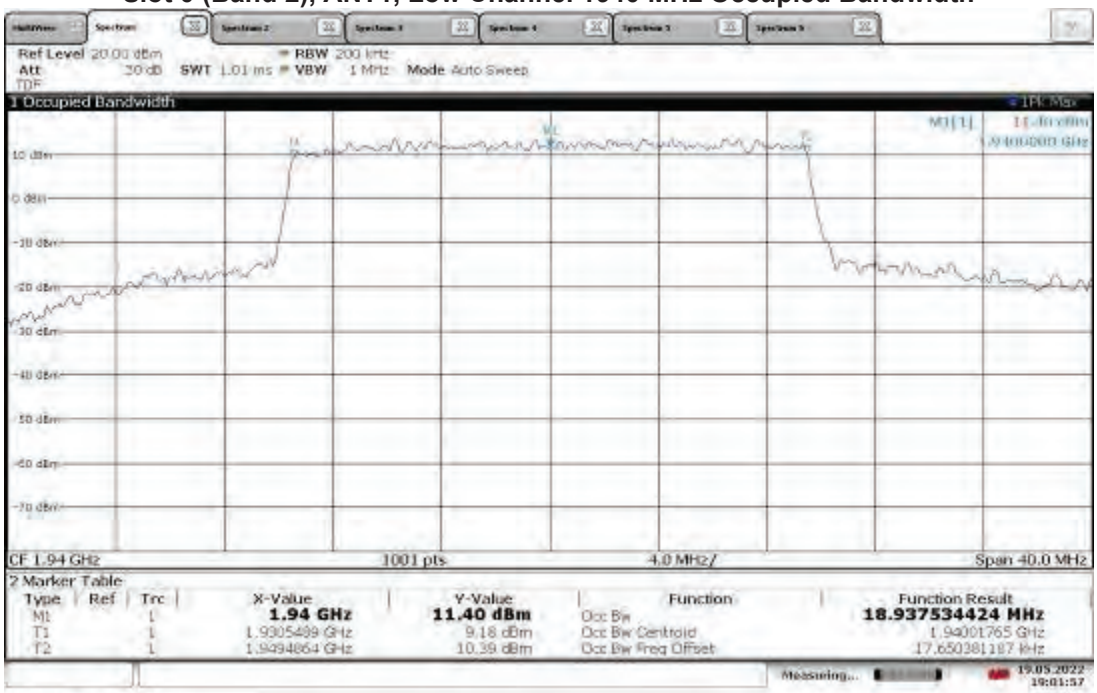
17:18:06 19.05.2022

TM3.1a-256QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1940 MHz Occupied Bandwidth



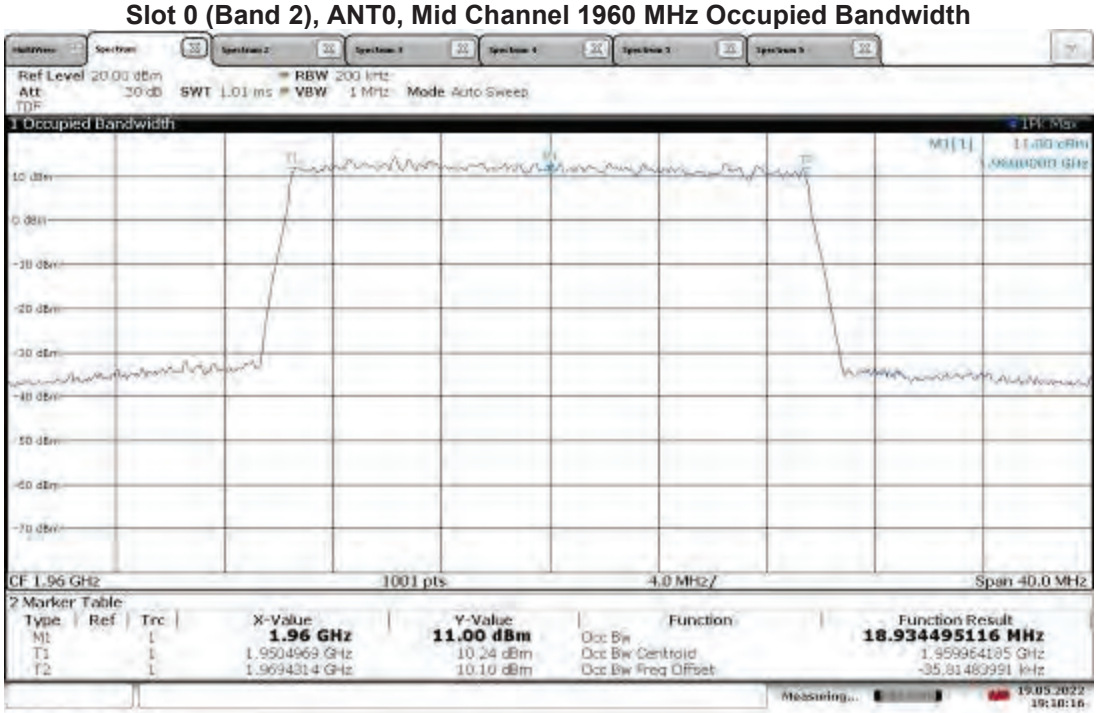
19:05:25 19.05.2022

TM3.1a-256QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1940 MHz Occupied Bandwidth



19:01:57 19.05.2022

TM3.1a-256QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz Occupied Bandwidth



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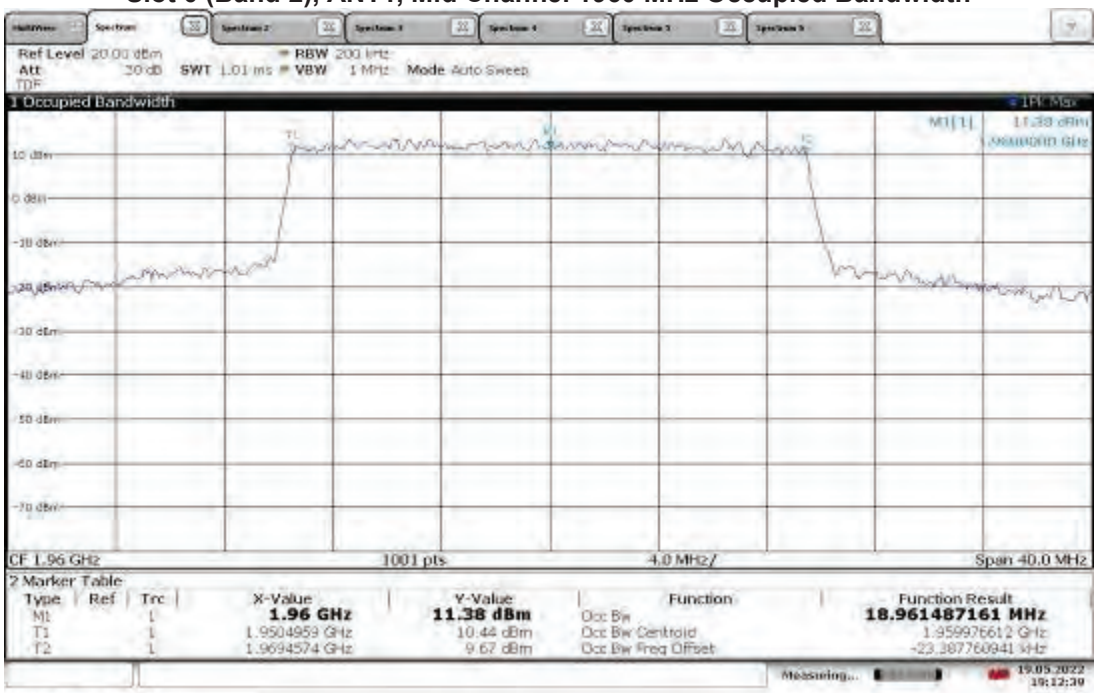
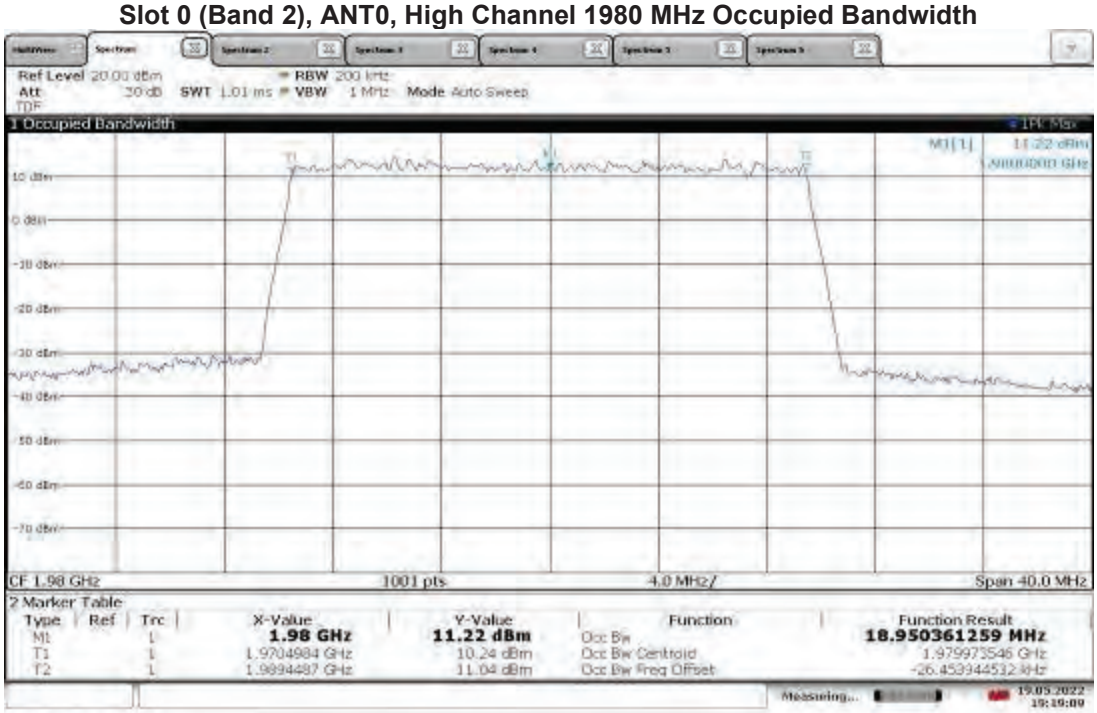
TM3.1a-256QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz Occupied Bandwidth

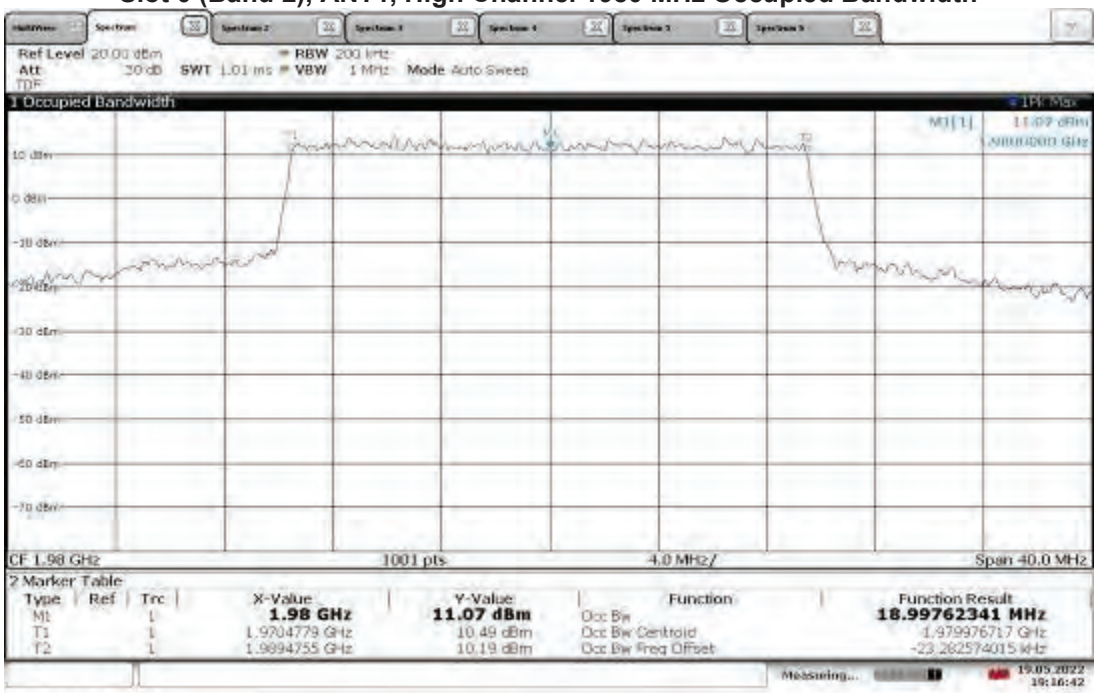


19:12:39 19.05.2022

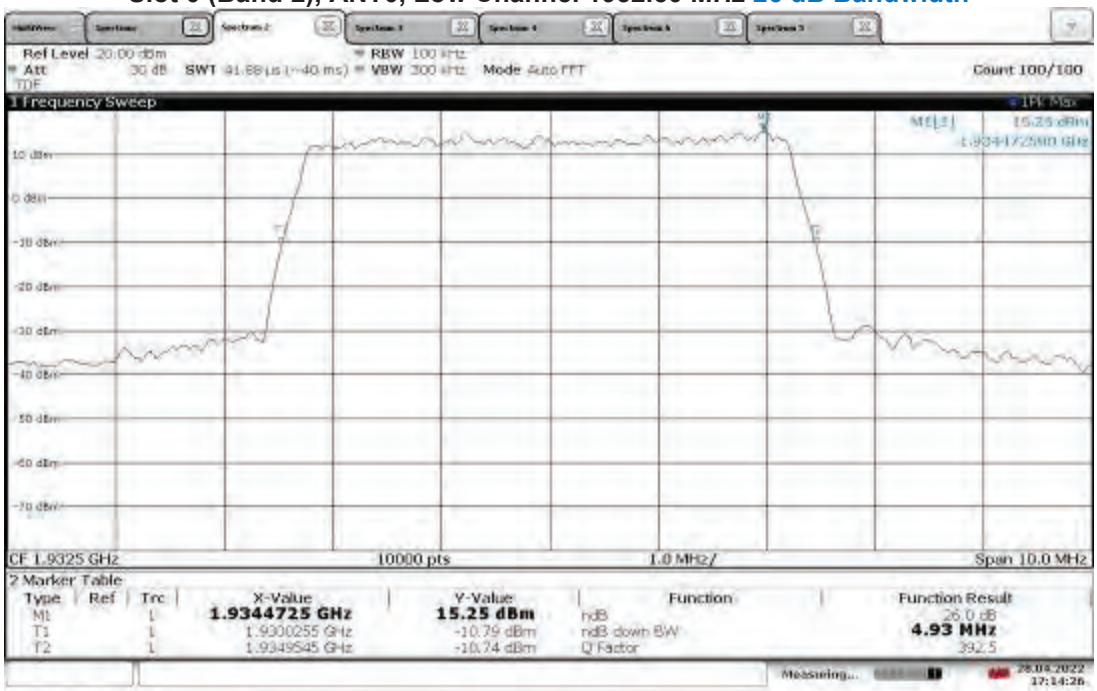
TM3.1a-256QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1980 MHz Occupied Bandwidth



TM3.1a-256QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1980 MHz Occupied Bandwidth

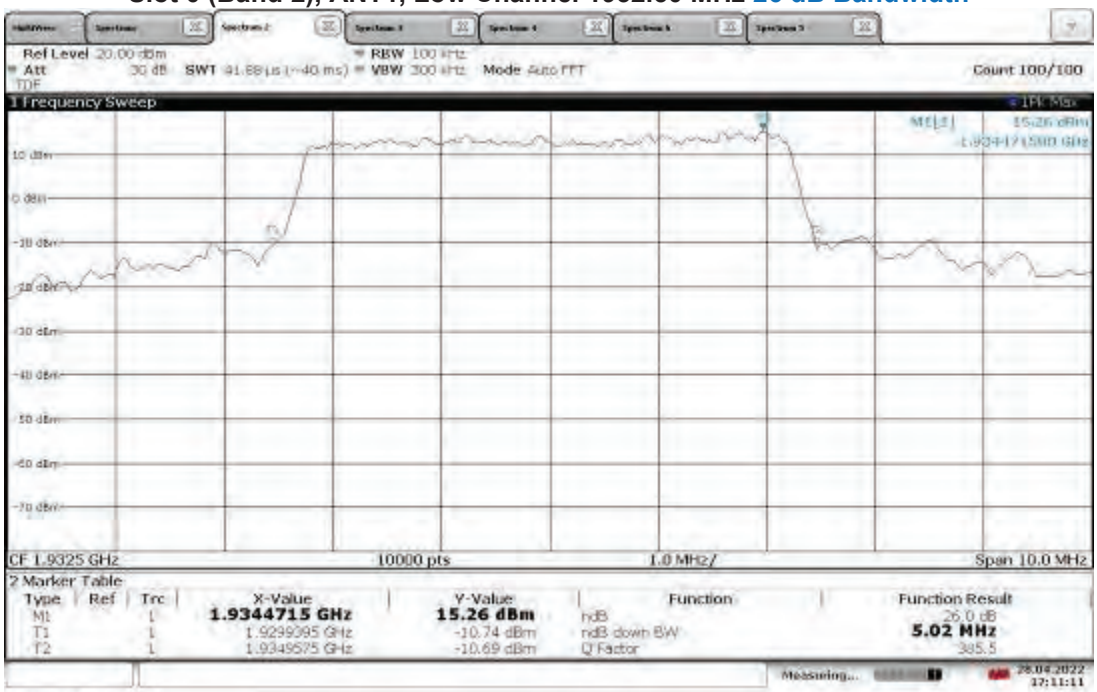


QPSK_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1932.50 MHz 26 dB Bandwidth



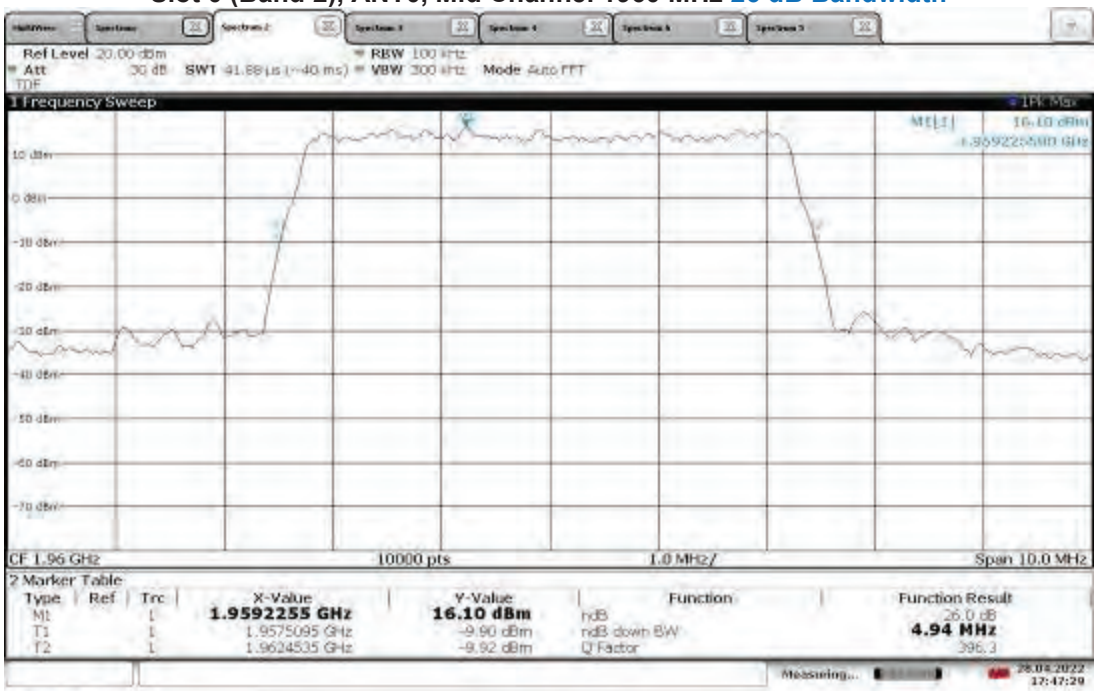
17:14:26 28.04.2022

TM1.1-QPSK_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1932.50 MHz 26 dB Bandwidth

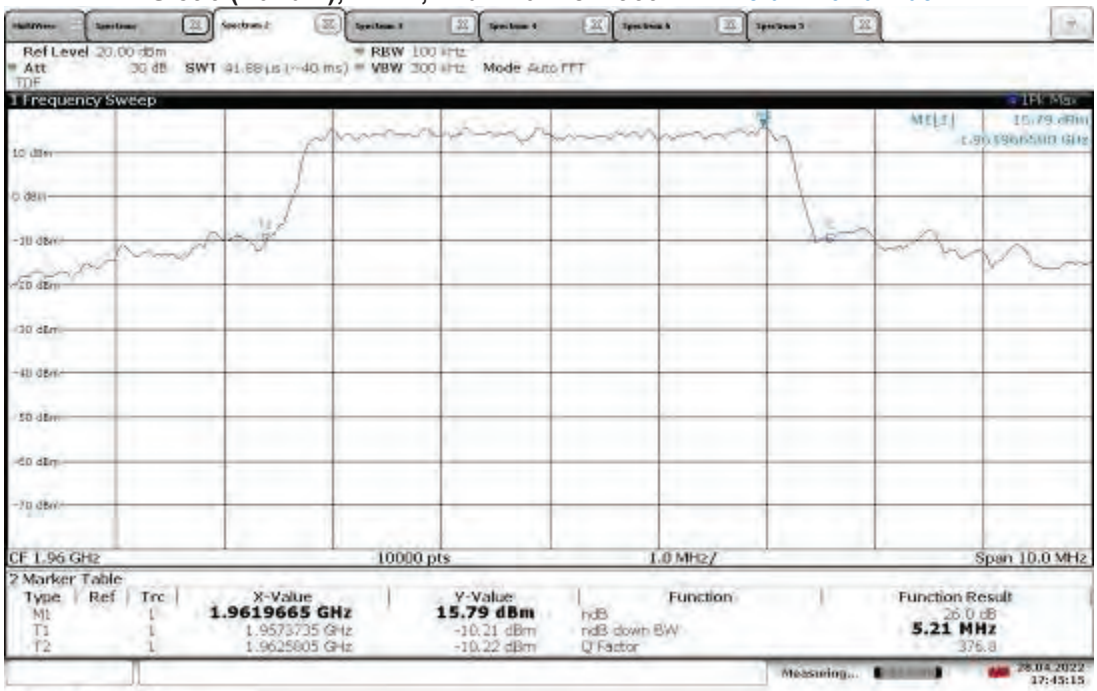


17:11:12 28.04.2022

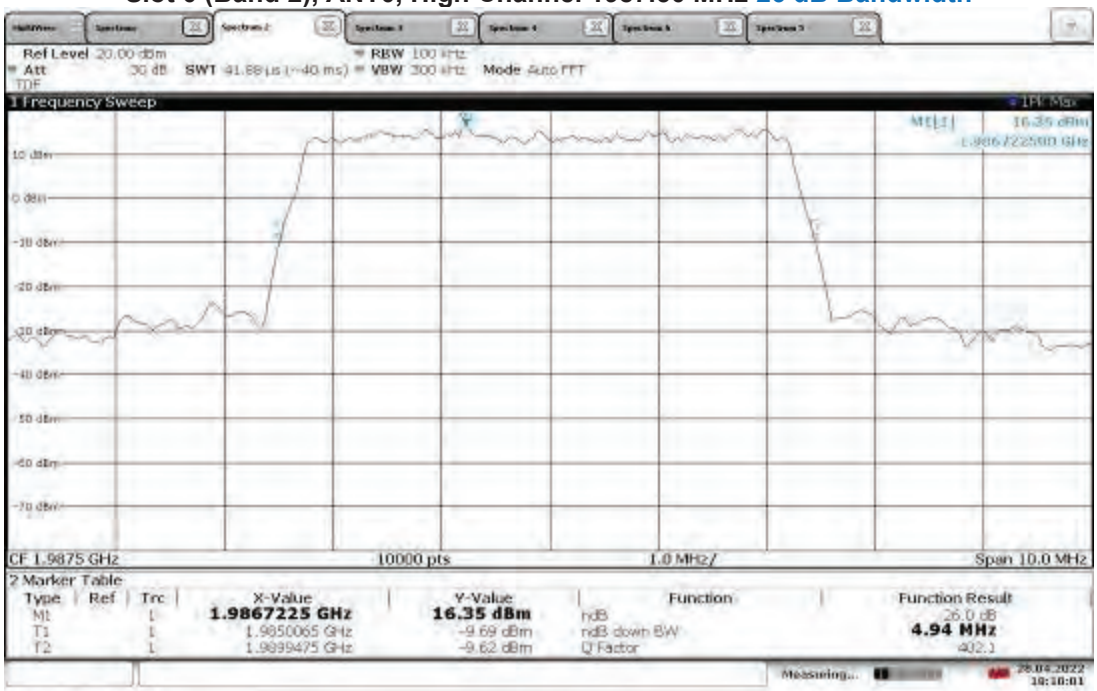
TM1.1-QPSK_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz 26 dB Bandwidth



TM1.1-QPSK_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz 26 dB Bandwidth

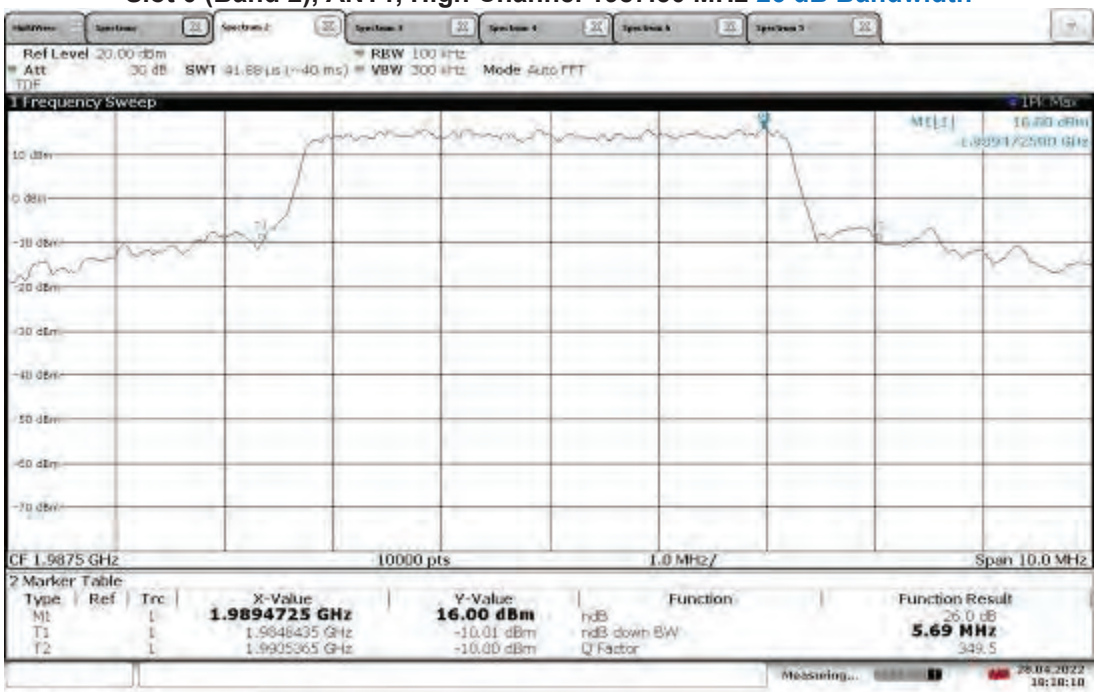


TM1.1-QPSK_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1987.50 MHz 26 dB Bandwidth



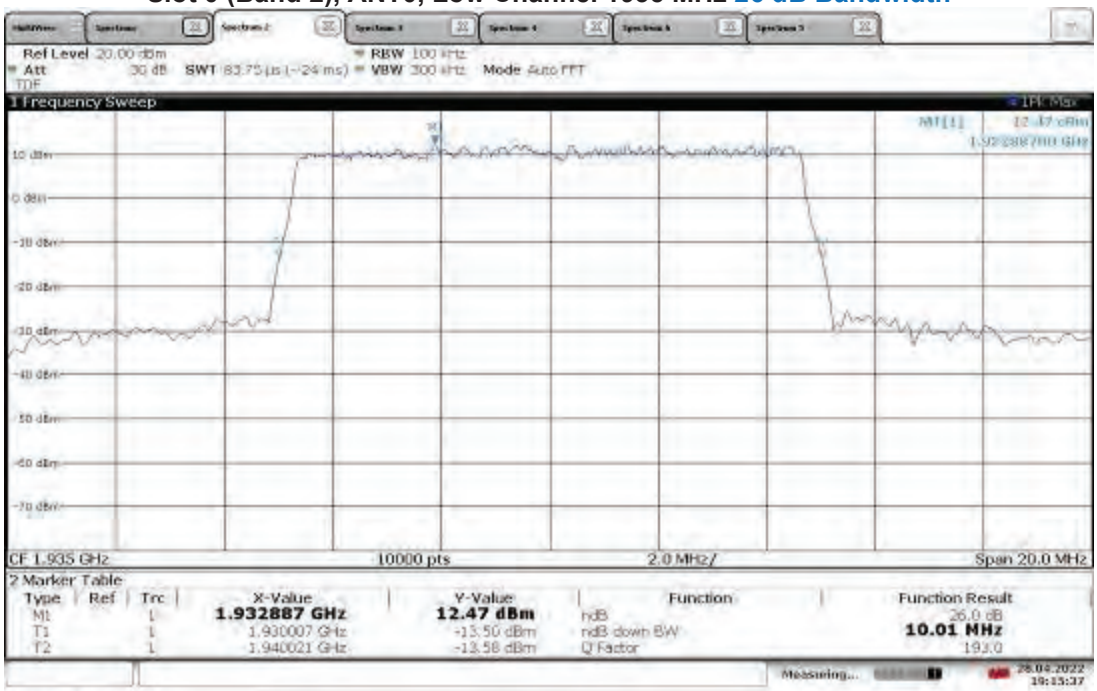
18:10:01 28.04.2022

TM1.1-QPSK_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1987.50 MHz 26 dB Bandwidth

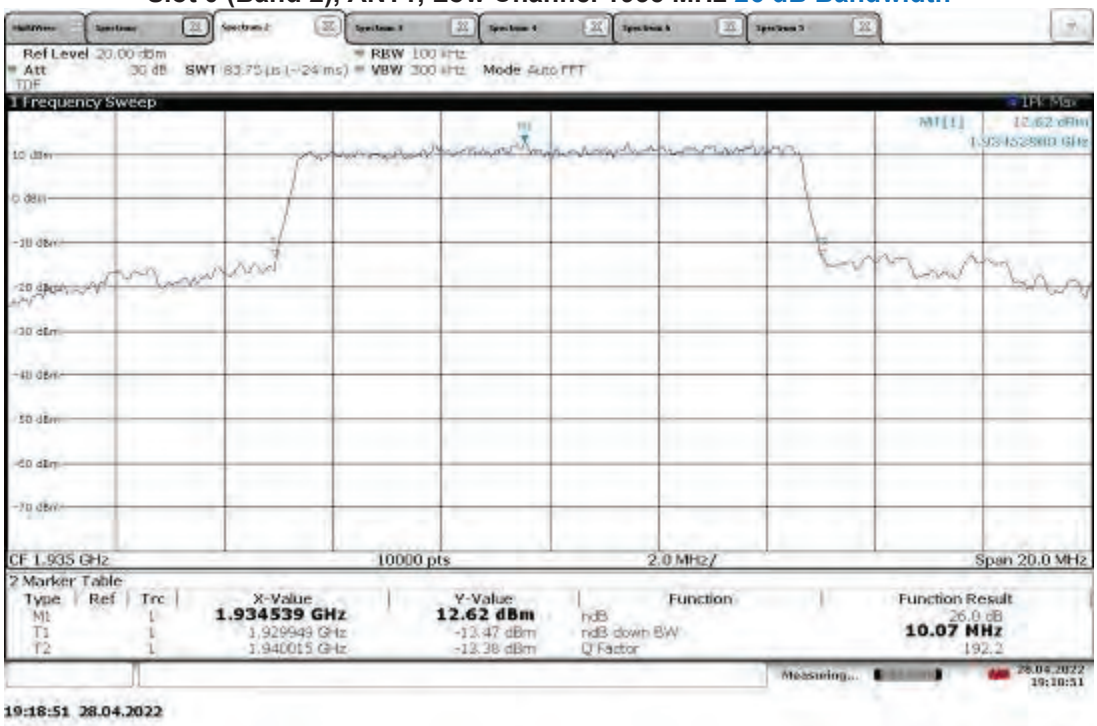


18:18:10 28.04.2022

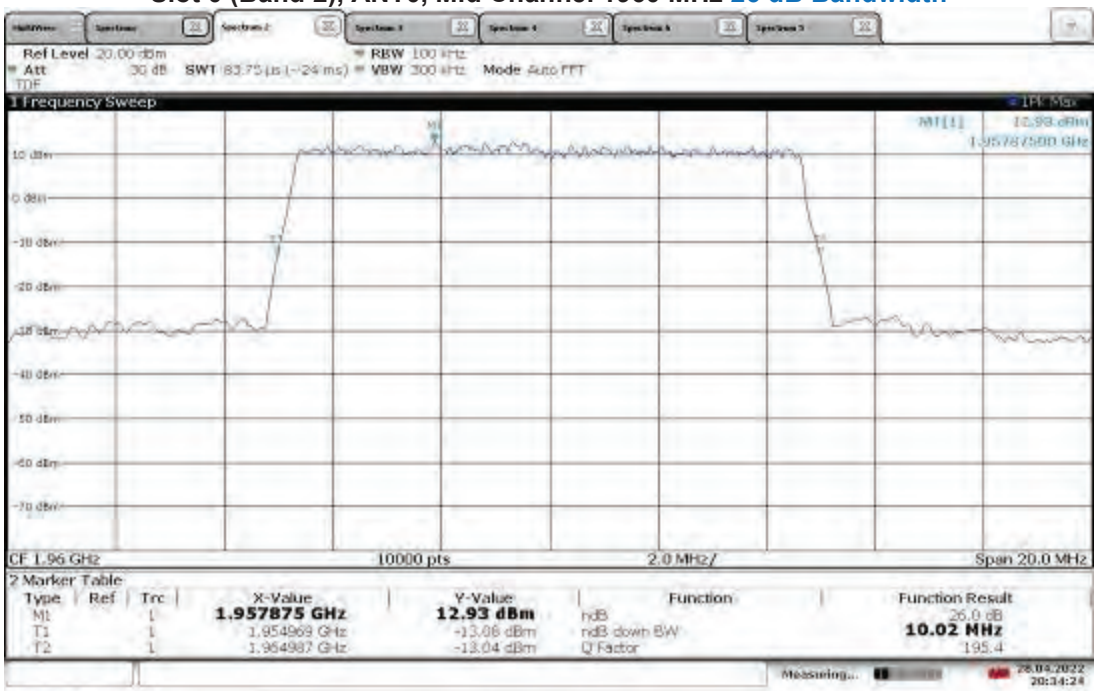
TM1.1-QPSK_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1935 MHz 26 dB Bandwidth



TM1.1-QPSK_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1935 MHz 26 dB Bandwidth



TM1.1-QPSK_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz 26 dB Bandwidth



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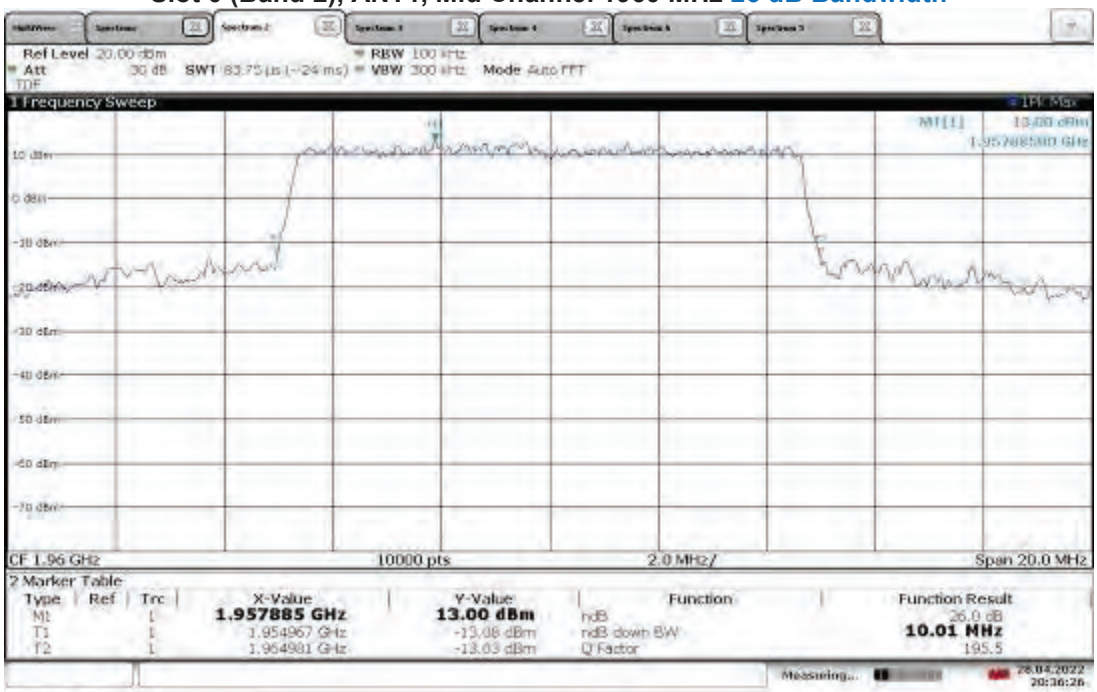
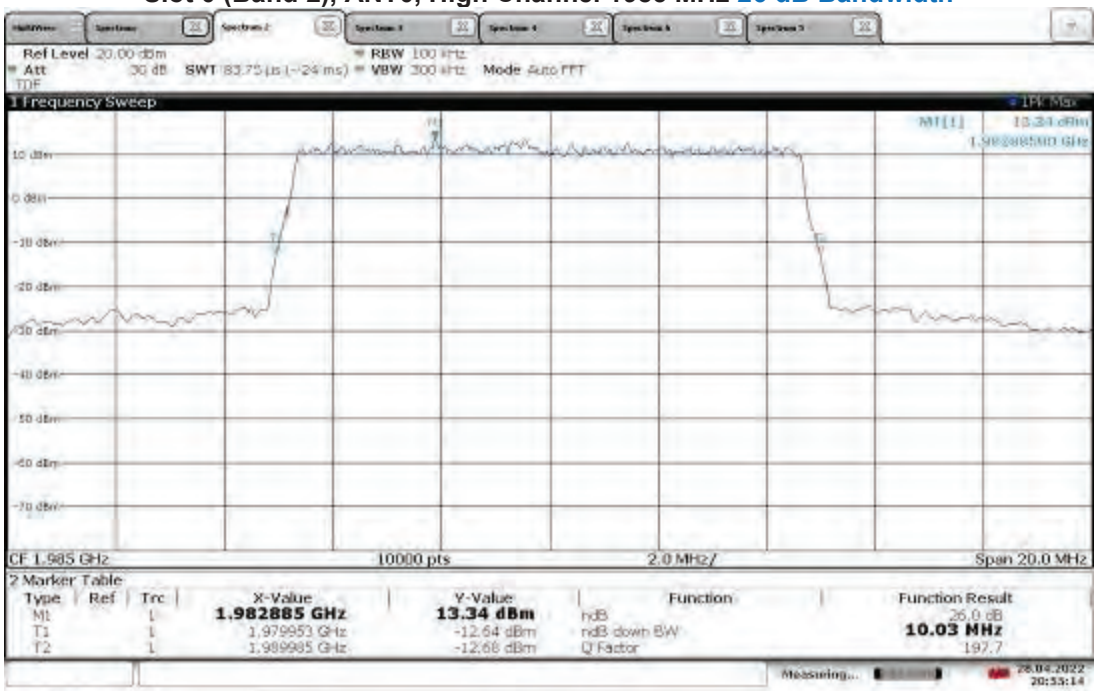
TM1.1-QPSK_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz 26 dB Bandwidth

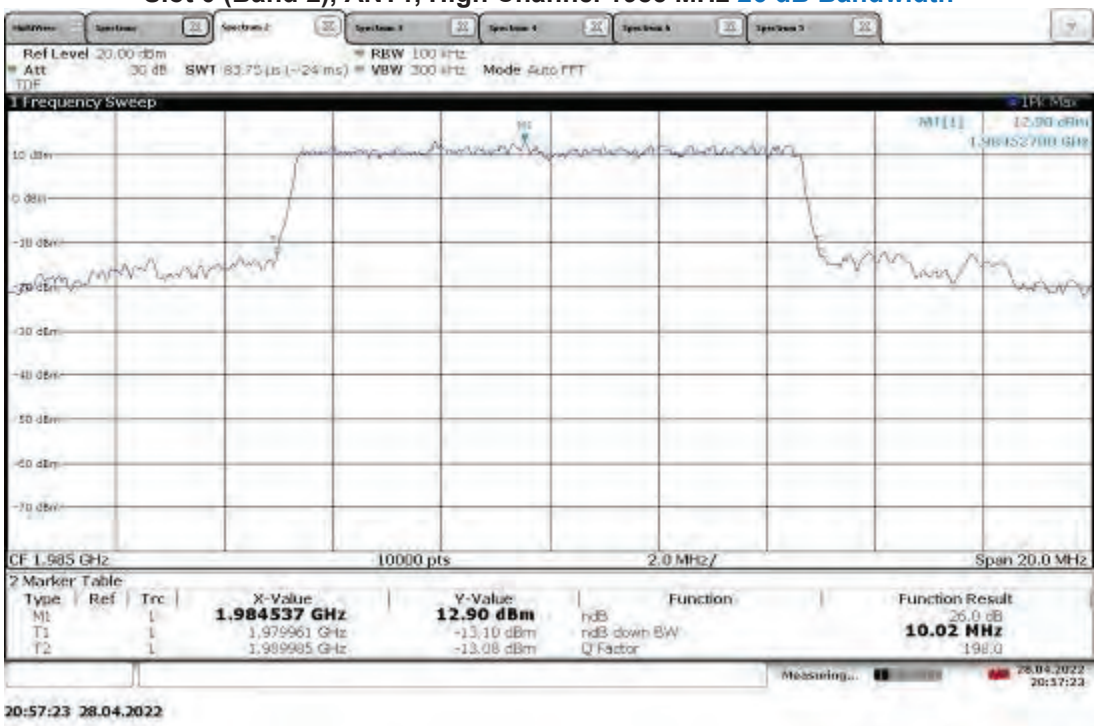


20:36:26 28.04.2022

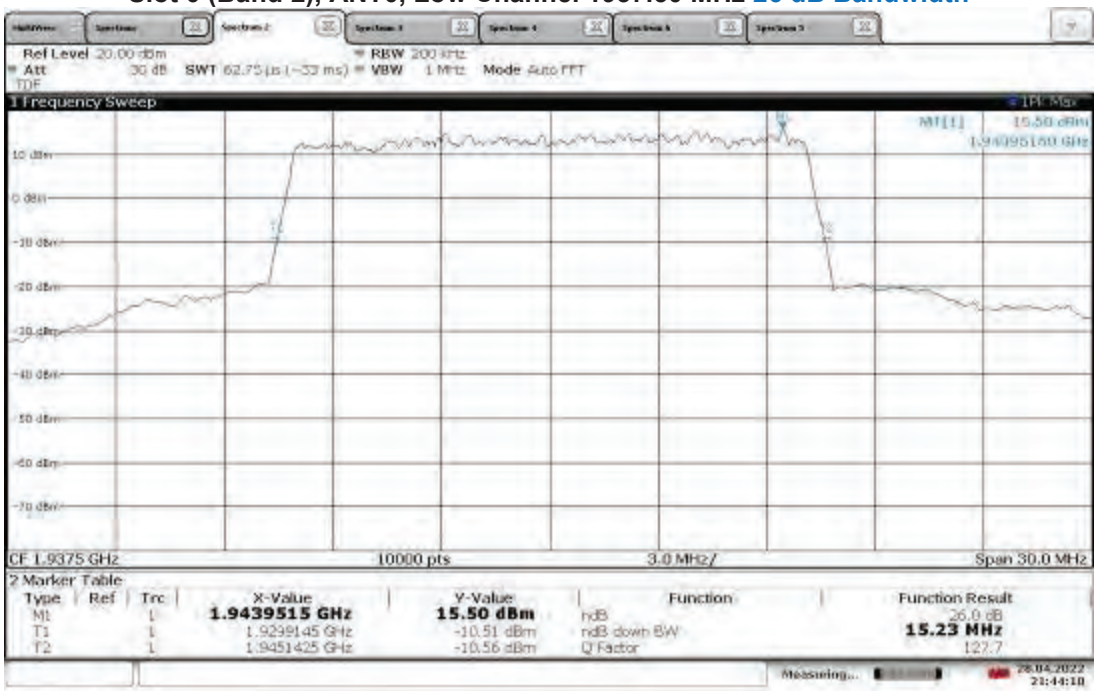
TM1.1-QPSK_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1985 MHz 26 dB Bandwidth



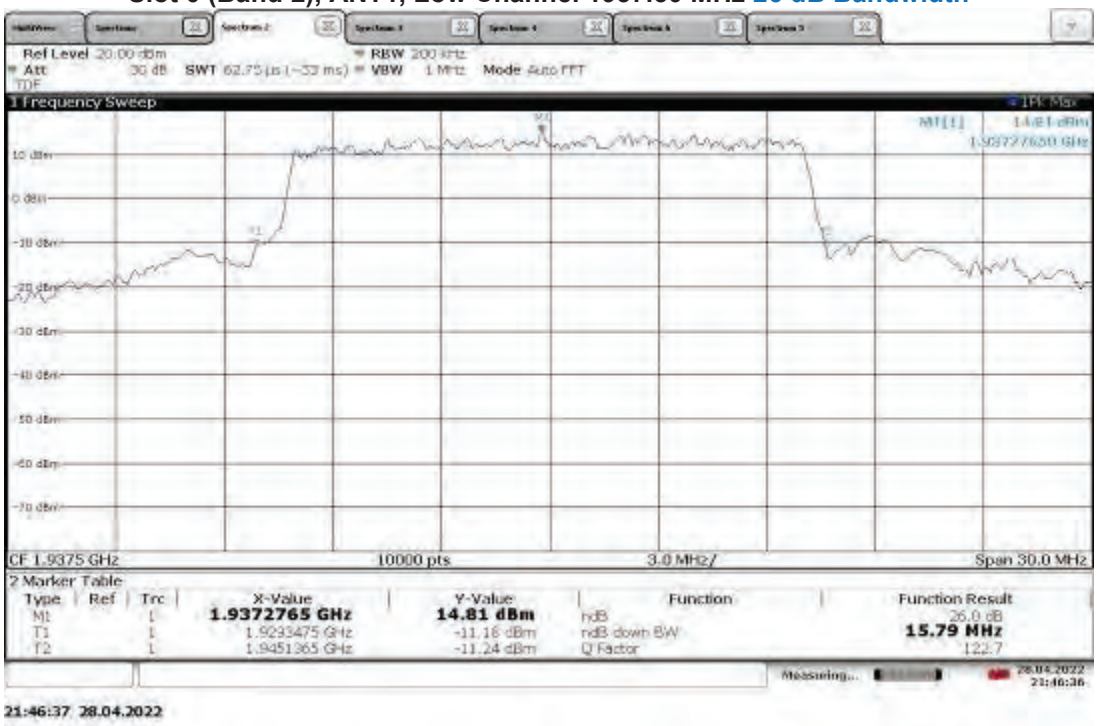
TM1.1-QPSK_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1985 MHz 26 dB Bandwidth



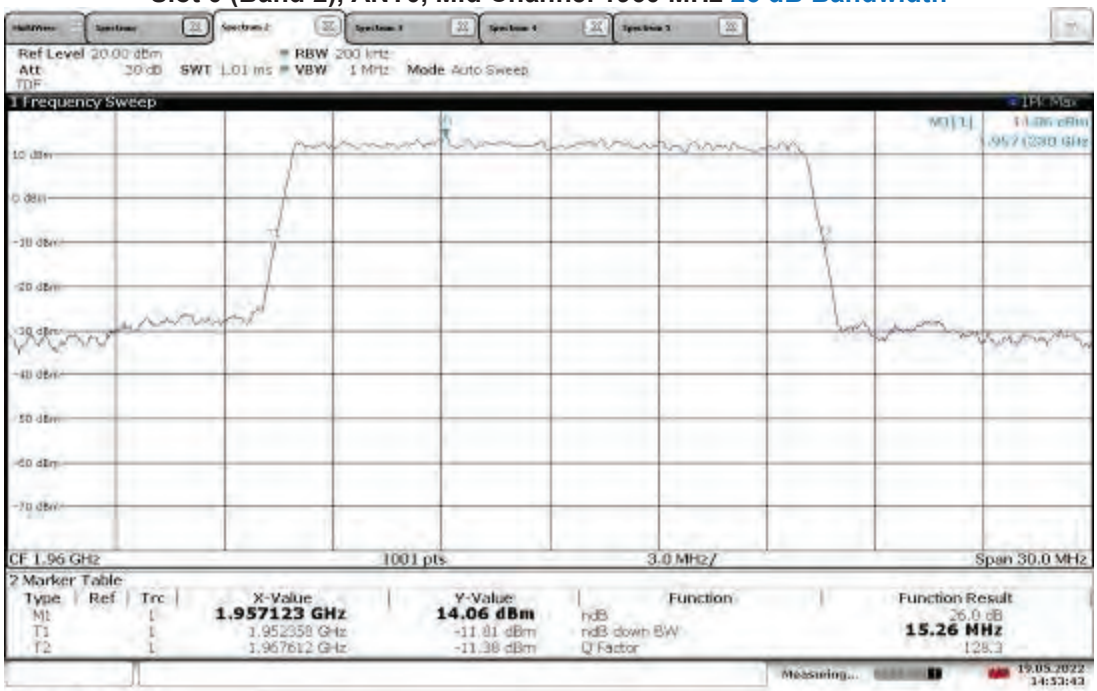
TM1.1-QPSK_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1937.50 MHz 26 dB Bandwidth



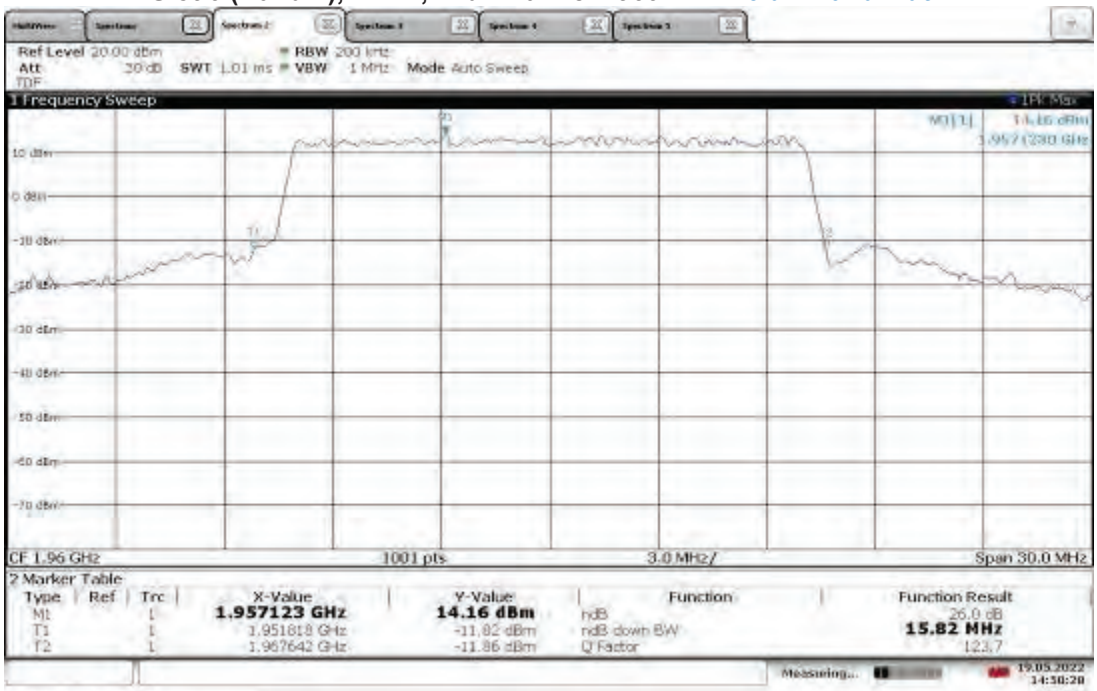
TM1.1-QPSK_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1937.50 MHz 26 dB Bandwidth



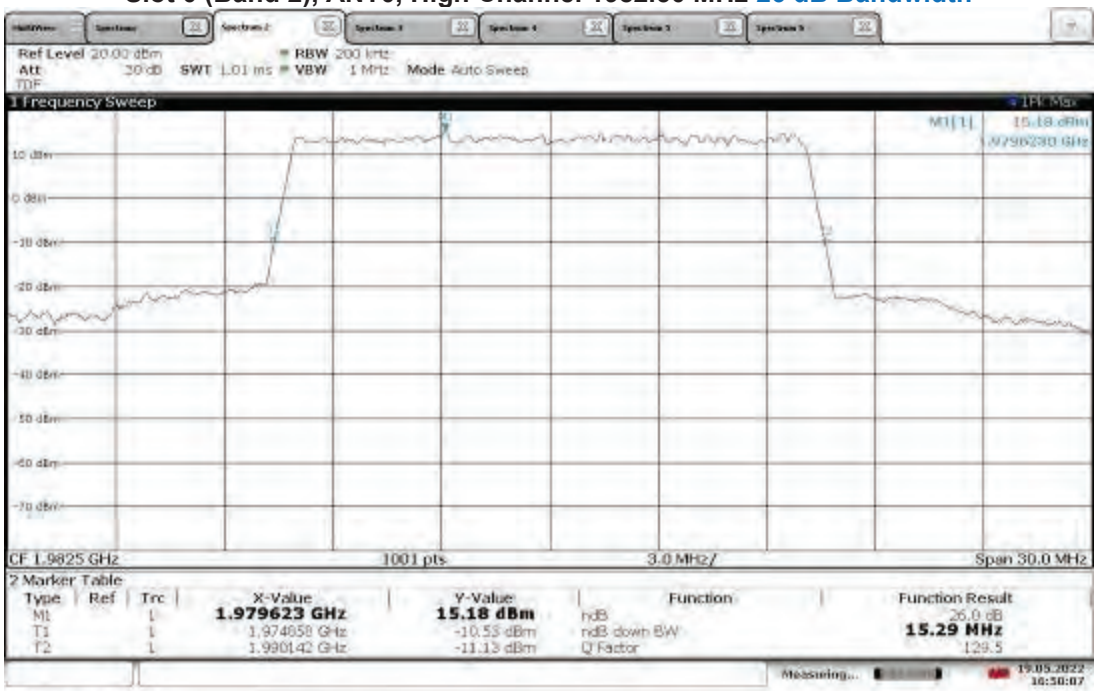
TM1.1-QPSK_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz 26 dB Bandwidth



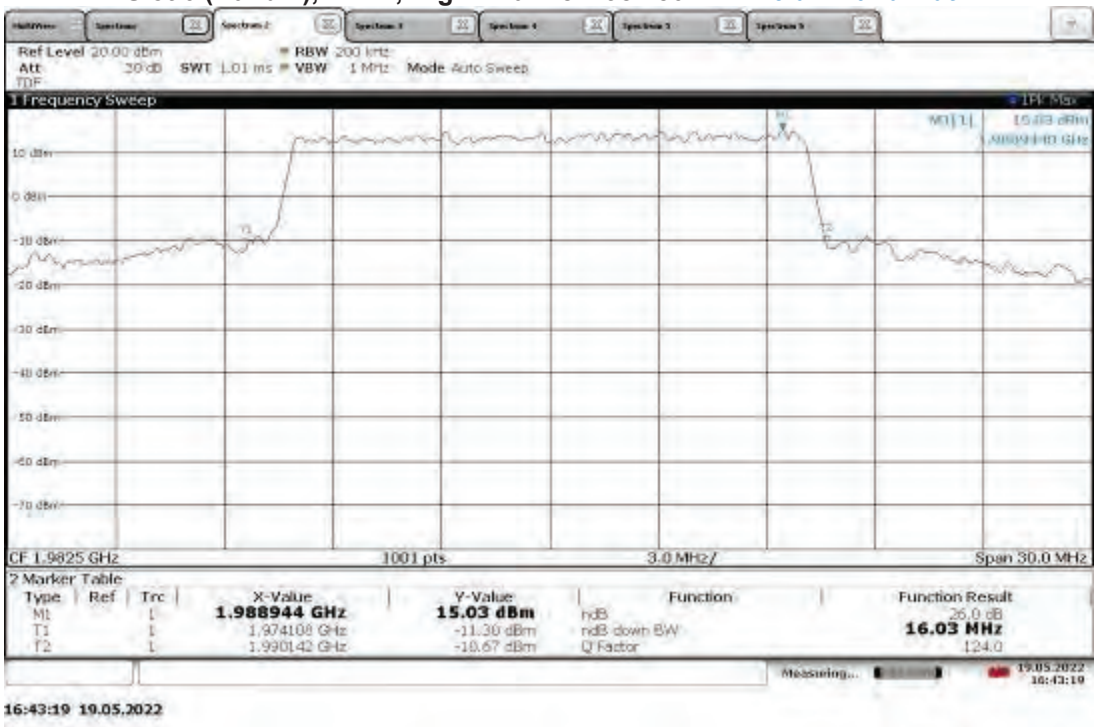
TM1.1-QPSK_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz 26 dB Bandwidth



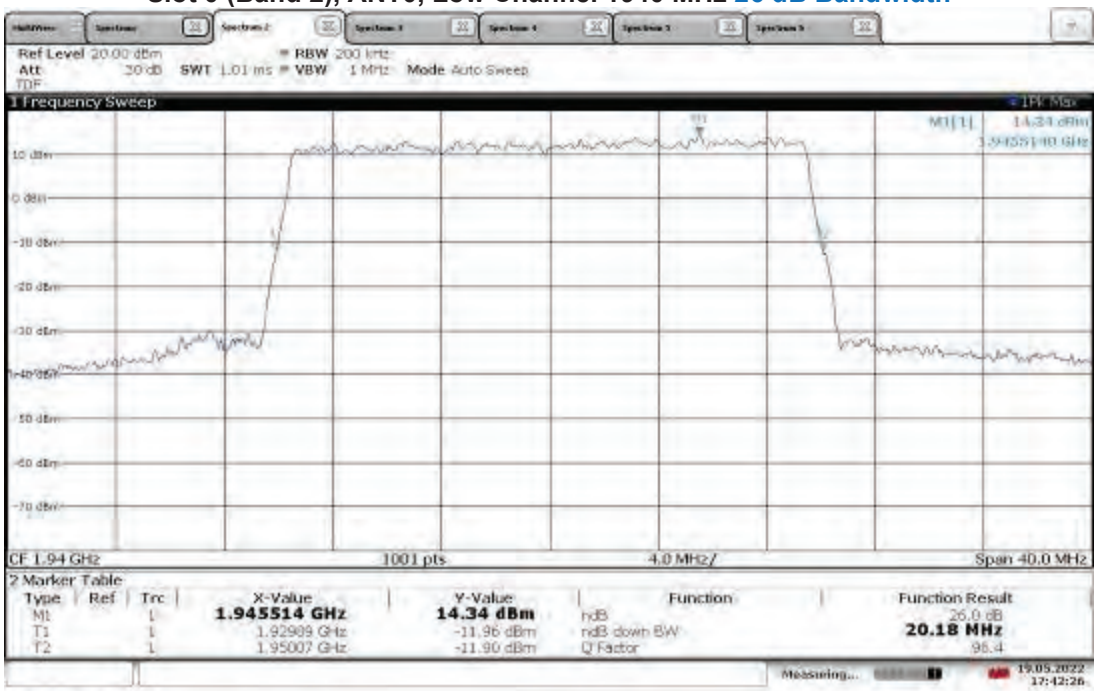
TM1.1-QPSK_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1982.50 MHz 26 dB Bandwidth



TM1.1-QPSK_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1982.50 MHz 26 dB Bandwidth

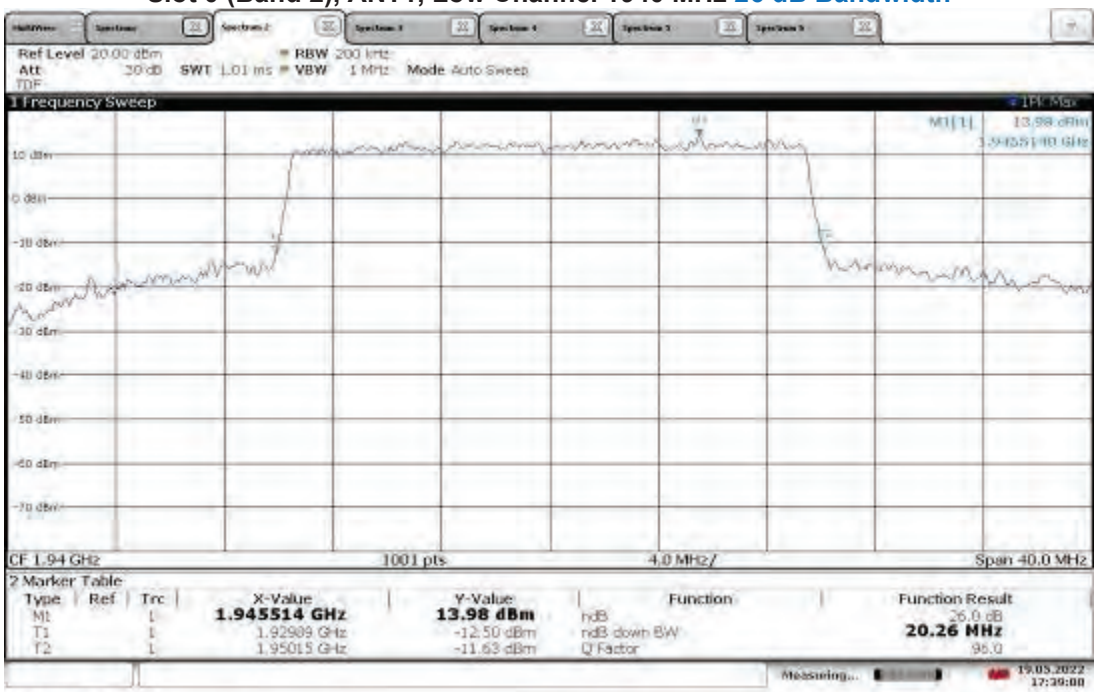


TM1.1-QPSK_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1940 MHz 26 dB Bandwidth



17:42:27 19.05.2022

TM1.1-QPSK_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1940 MHz 26 dB Bandwidth



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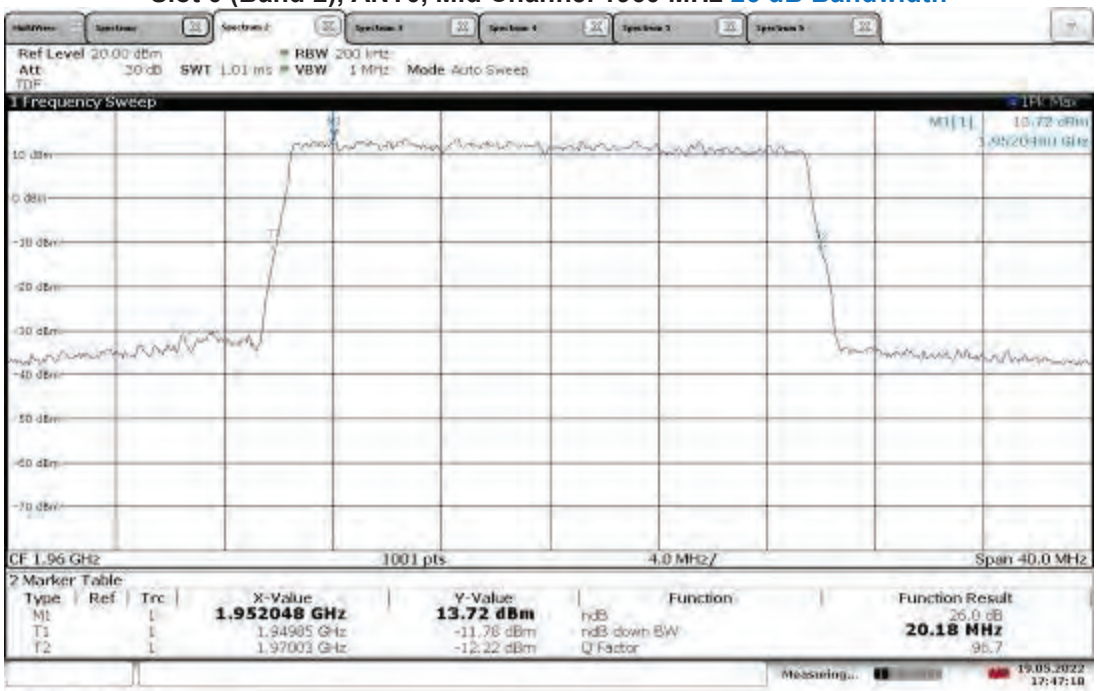
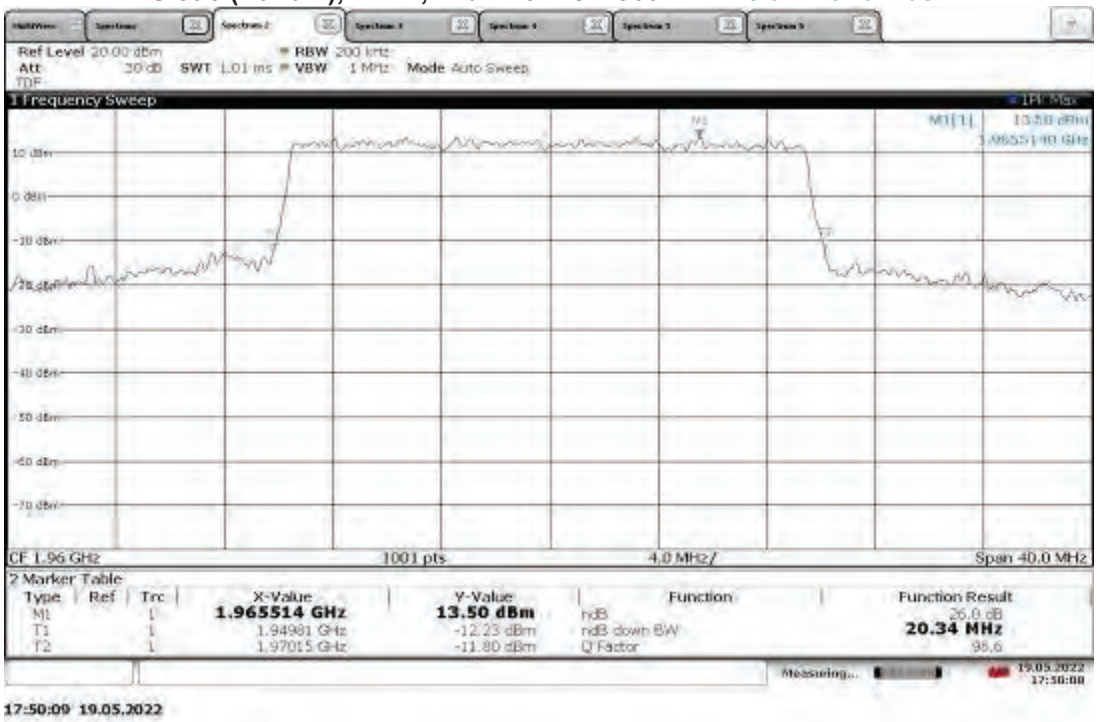
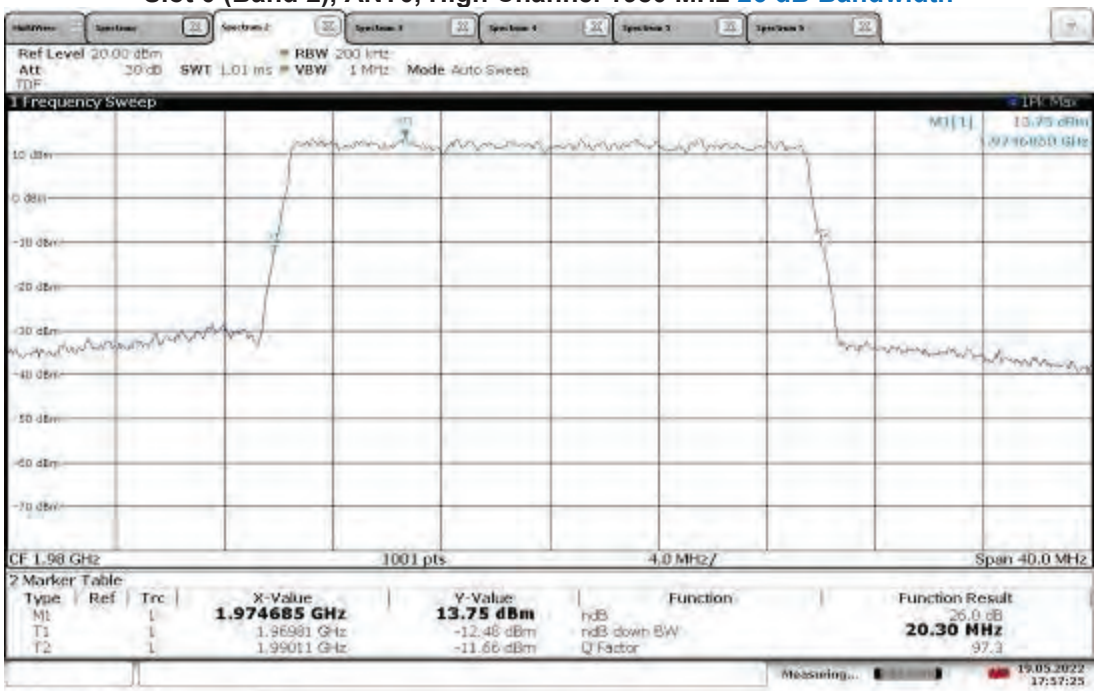
TM1.1-QPSK_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz 26 dB Bandwidth



TM1.1-QPSK_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz 26 dB Bandwidth



TM1.1-QPSK_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1980 MHz 26 dB Bandwidth



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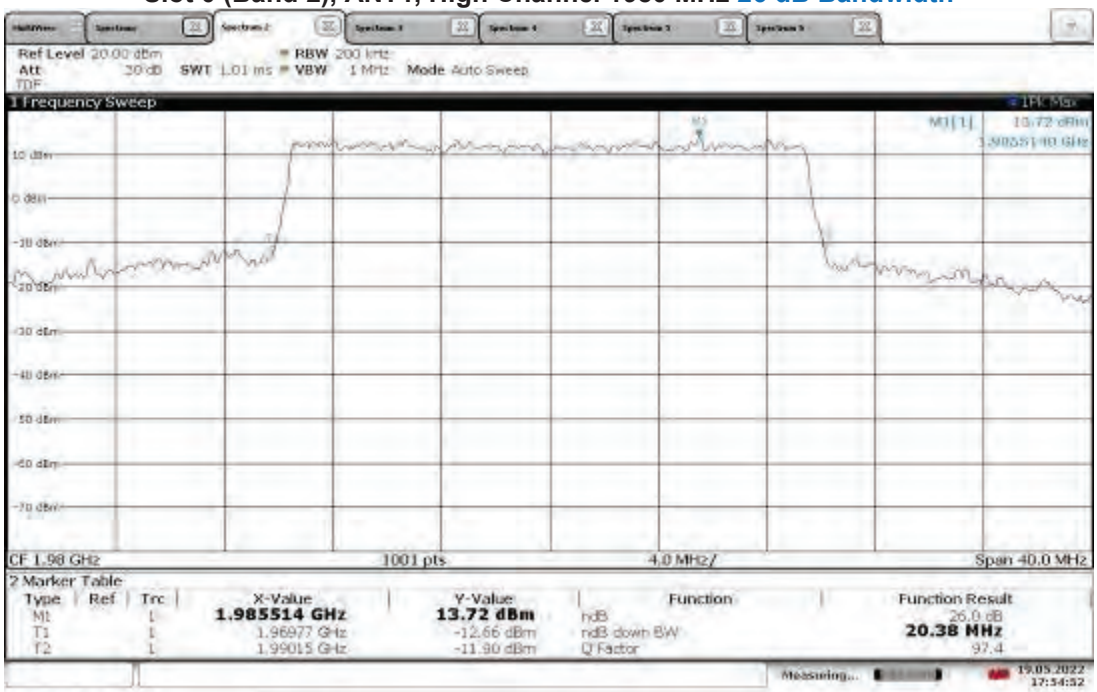
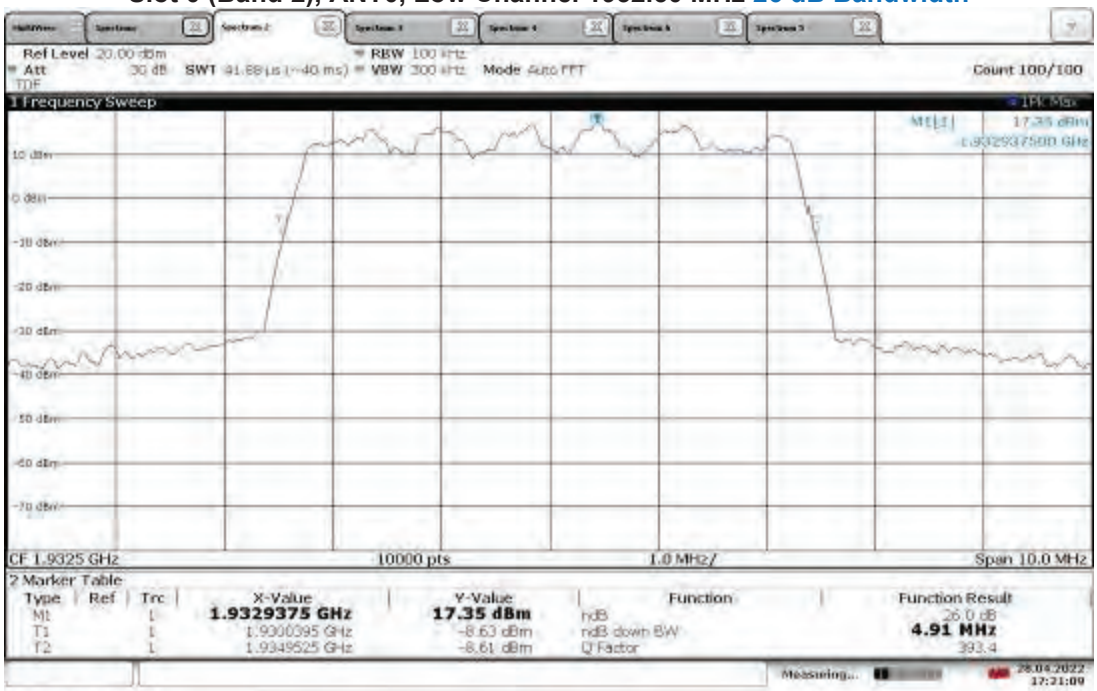
TM1.1-QPSK_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1980 MHz 26 dB Bandwidth



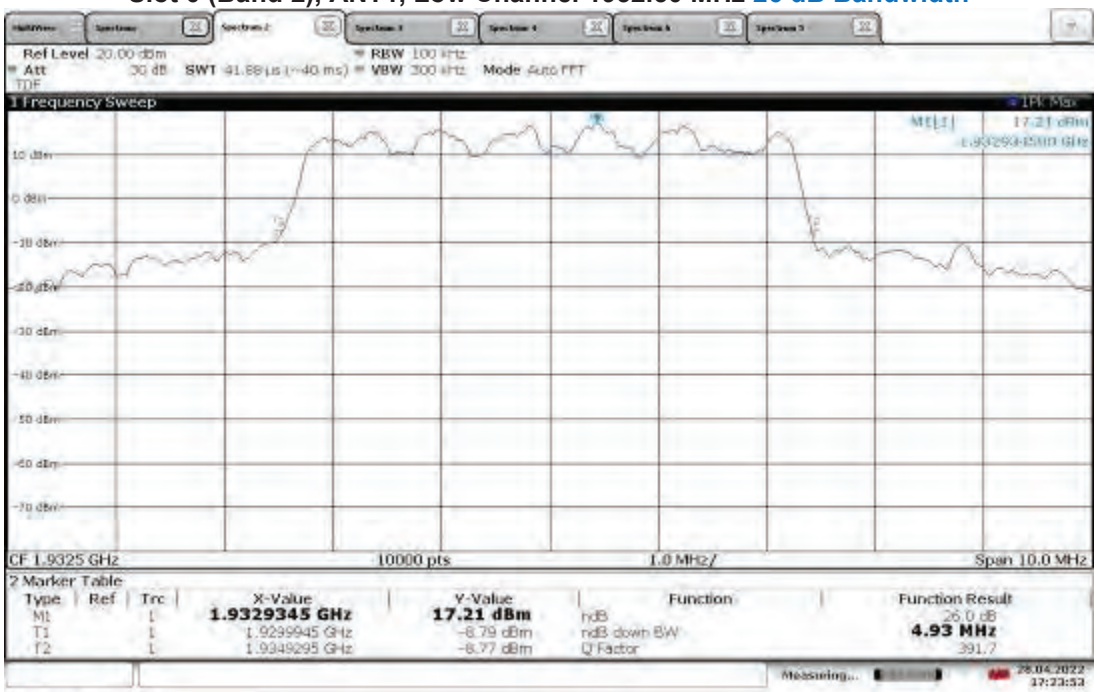
17:54:53 19.05.2022

TM3.2-16QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1932.50 MHz 26 dB Bandwidth



17:21:09 28.04.2022

TM3.2-16QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1932.50 MHz 26 dB Bandwidth



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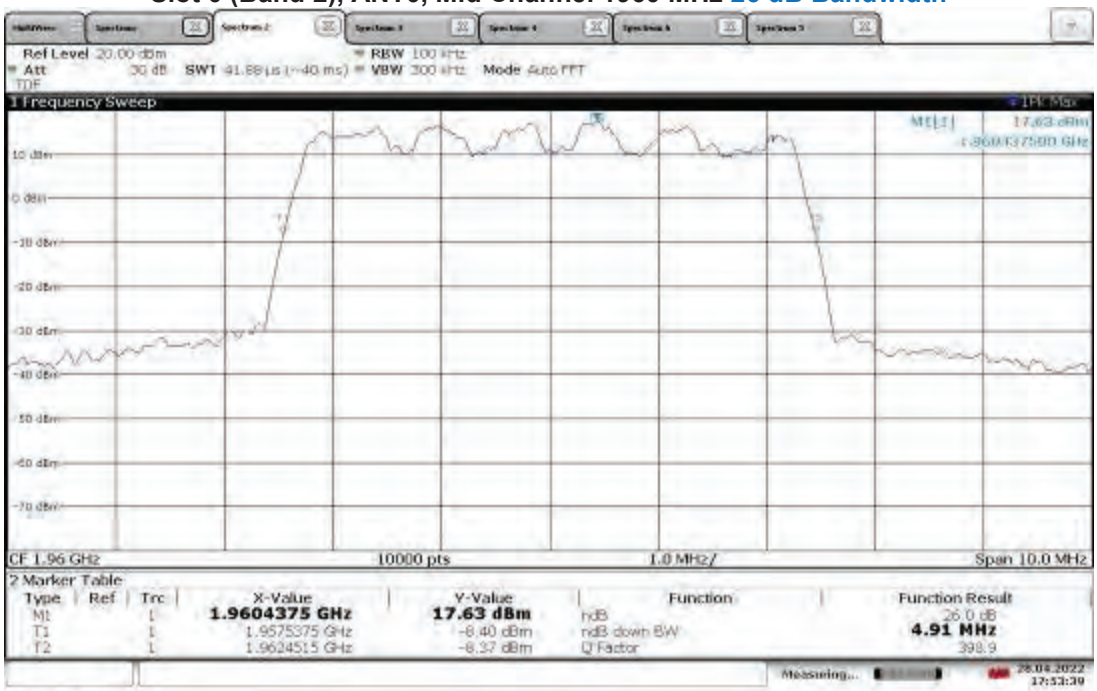
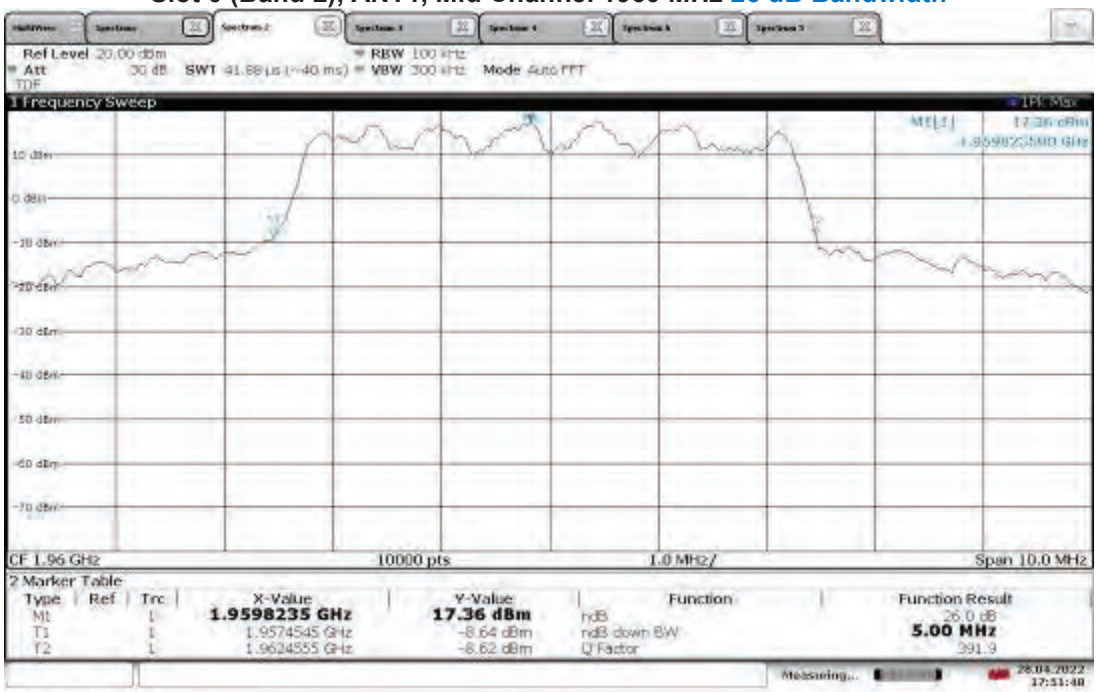
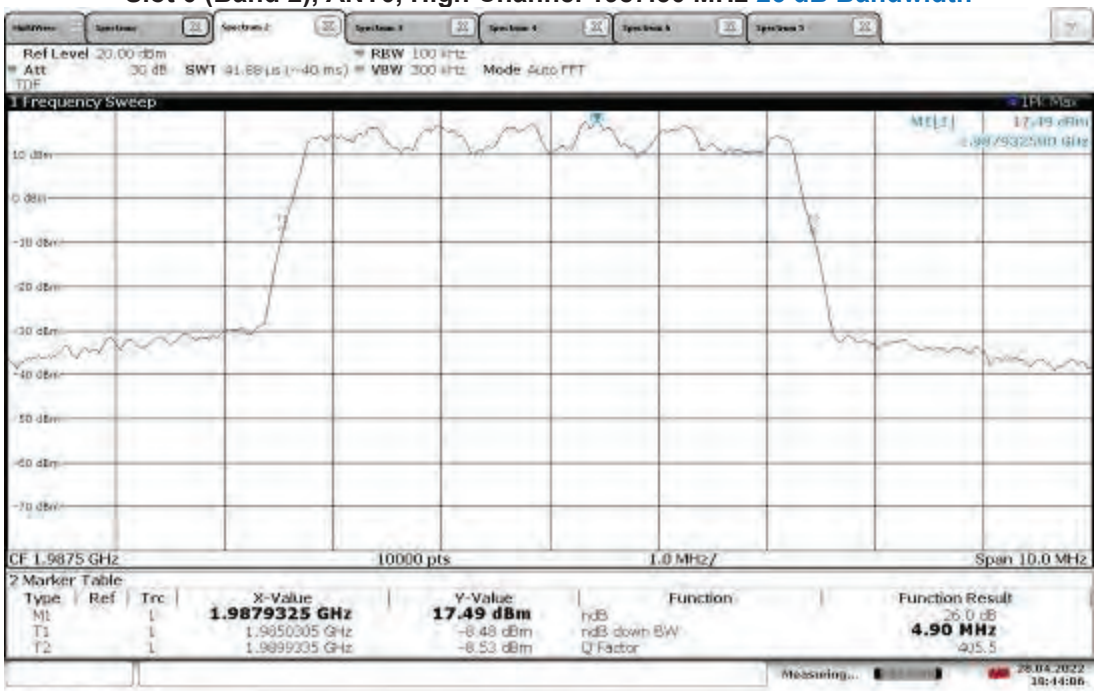
TM3.2-16QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz 26 dB Bandwidth



TM3.2-16QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz 26 dB Bandwidth

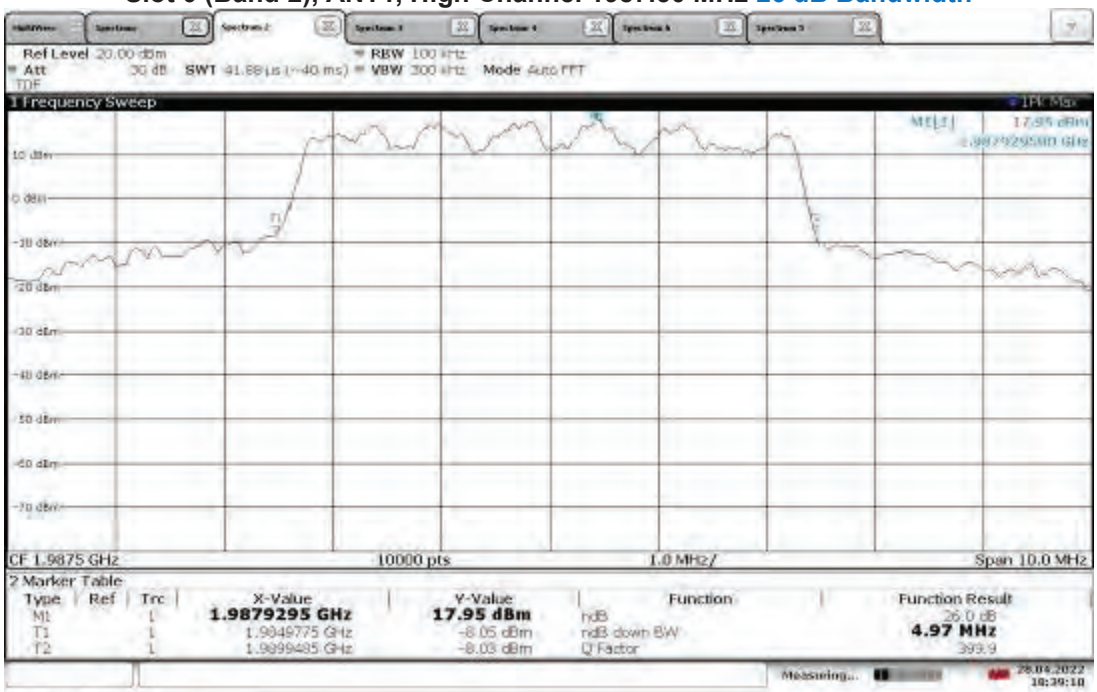


TM3.2-16QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1987.50 MHz 26 dB Bandwidth



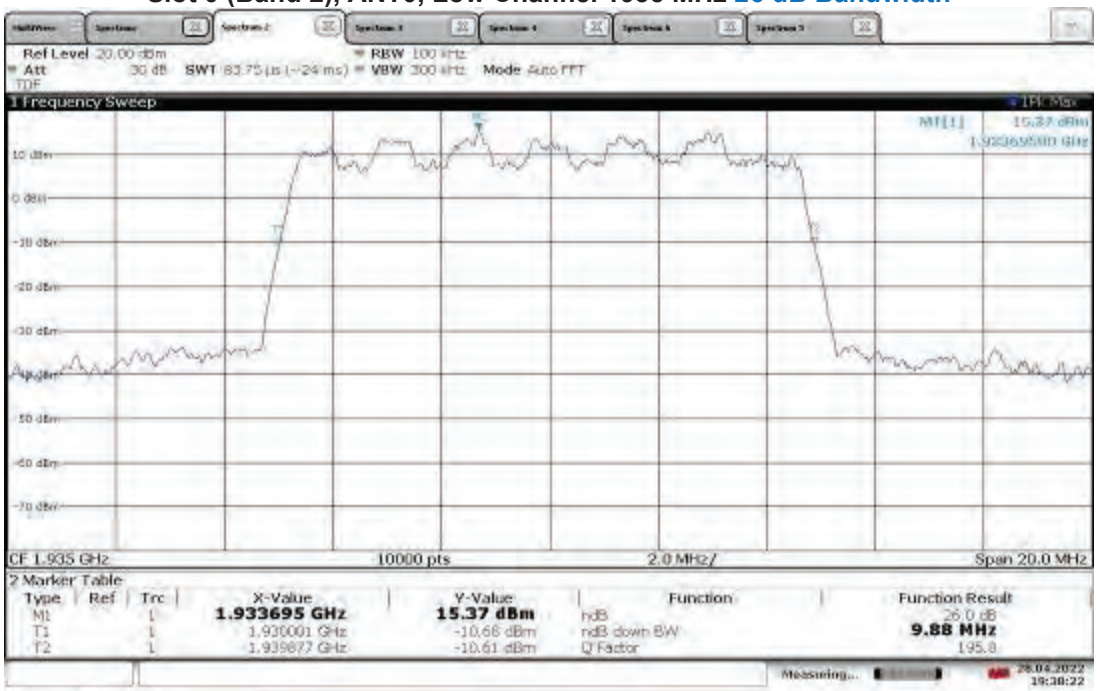
18:44:06 28.04.2022

TM3.2-16QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1987.50 MHz 26 dB Bandwidth



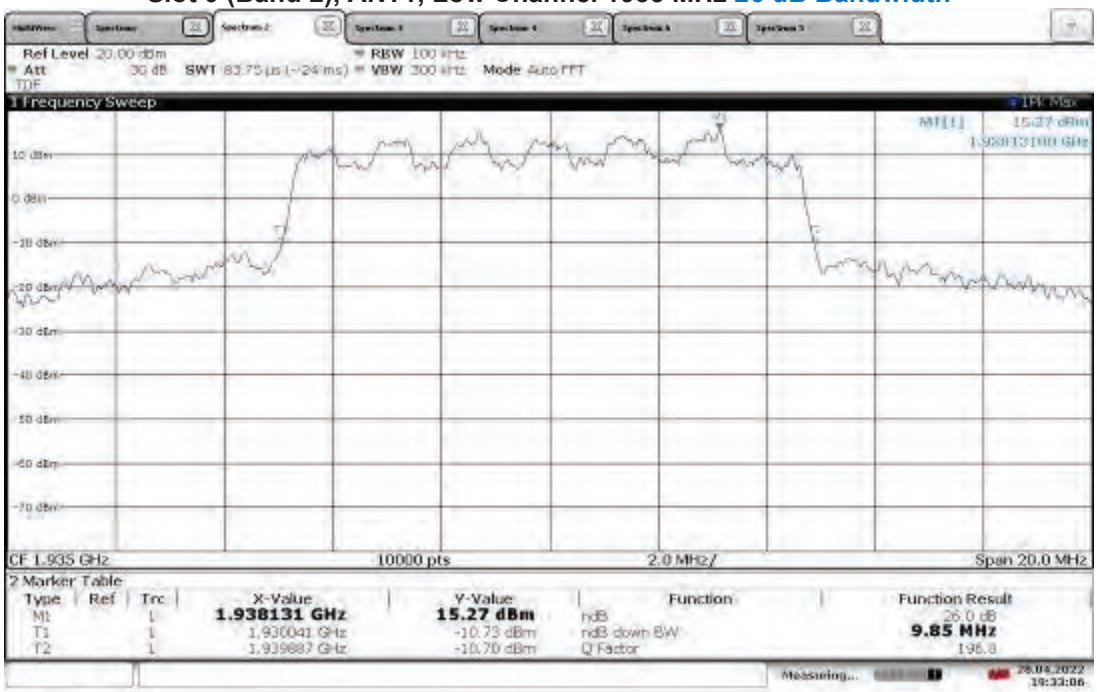
18:39:11 28.04.2022

TM3.2-16QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1935 MHz 26 dB Bandwidth



19:38:22 28.04.2022

TM3.2-16QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1935 MHz 26 dB Bandwidth



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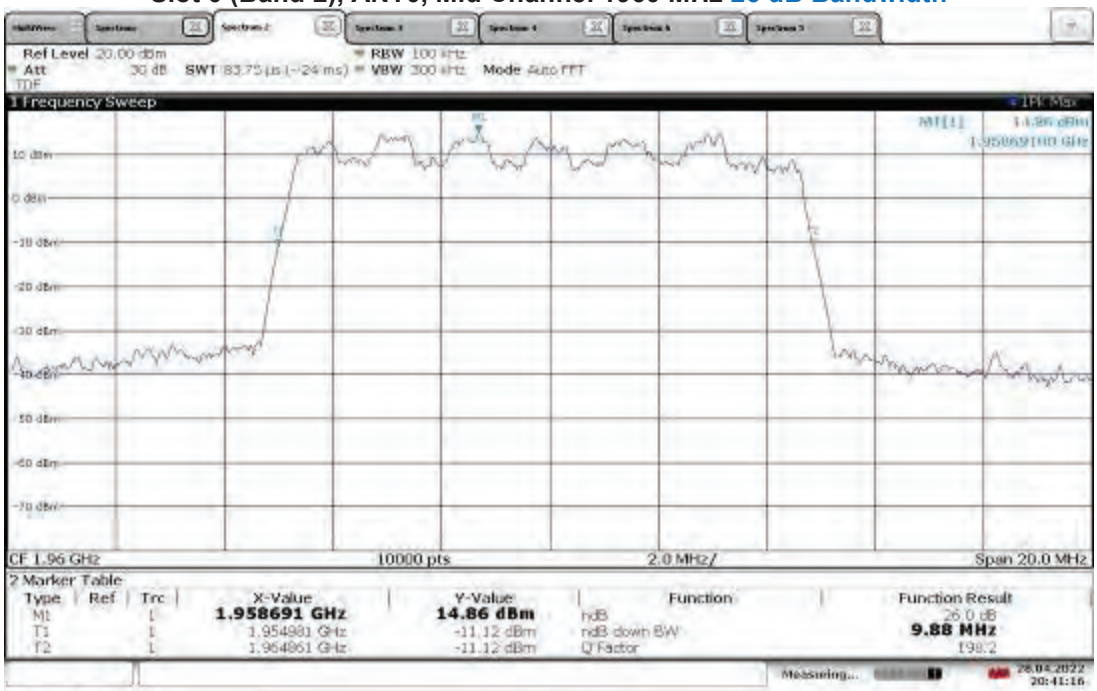
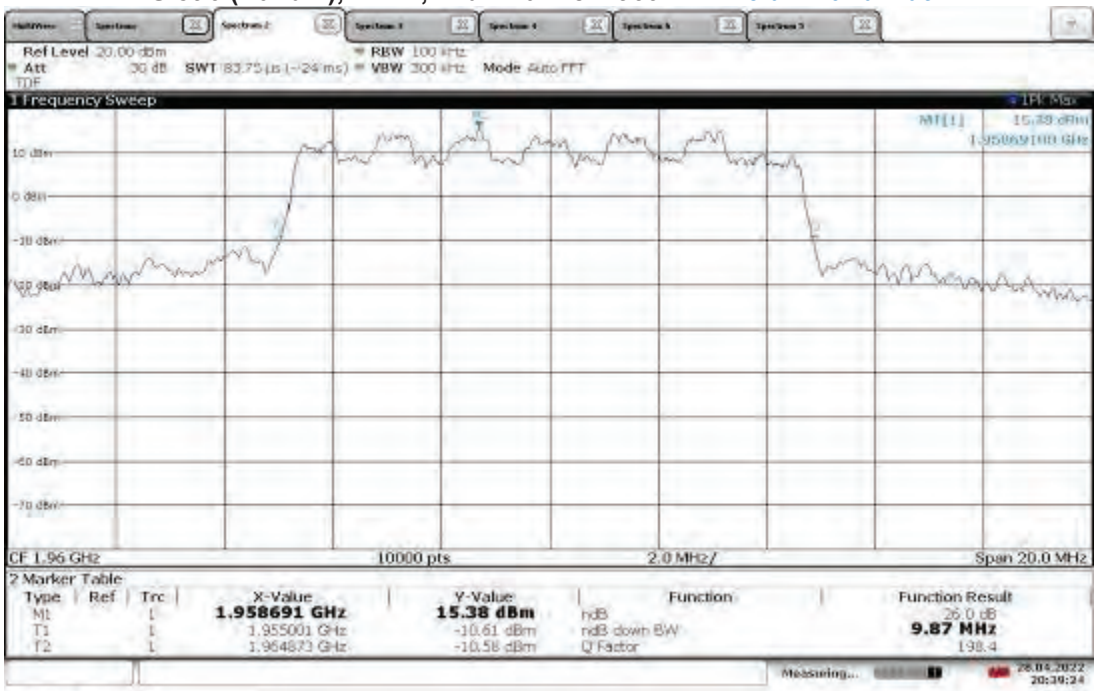
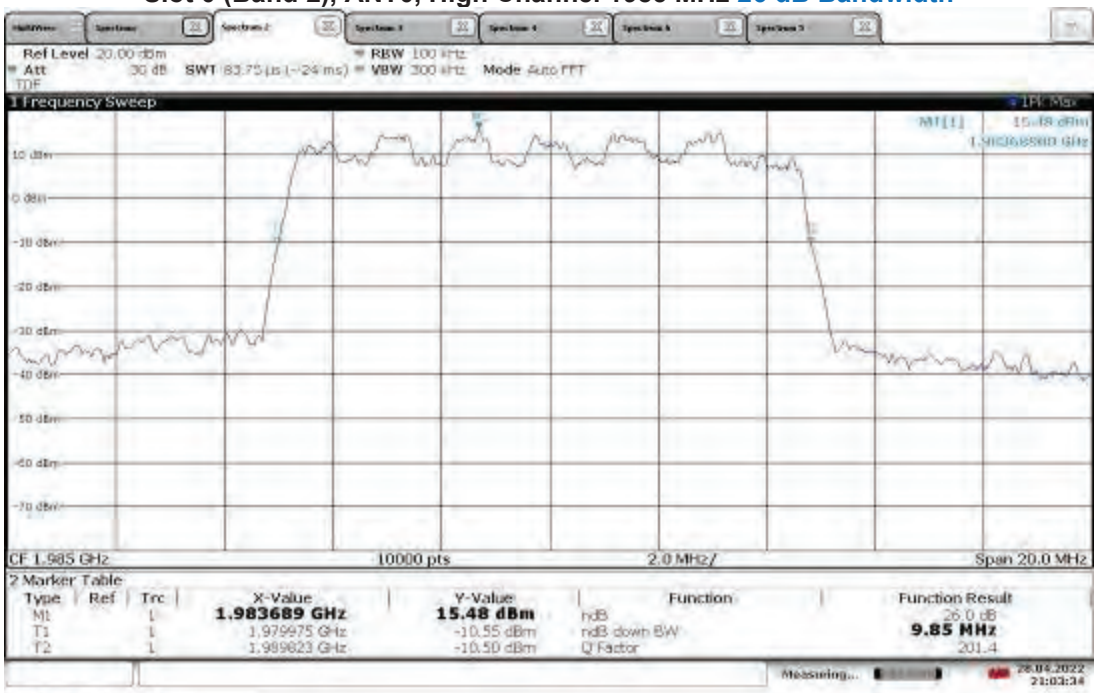
TM3.2-16QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz 26 dB Bandwidth



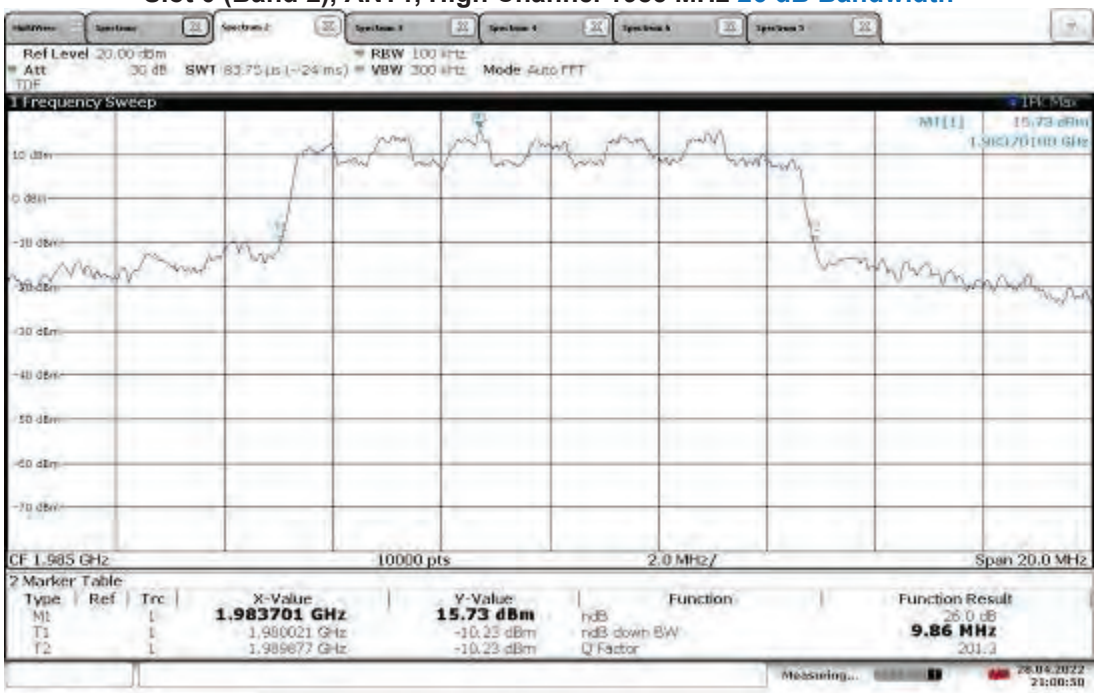
TM3.2-16QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz 26 dB Bandwidth



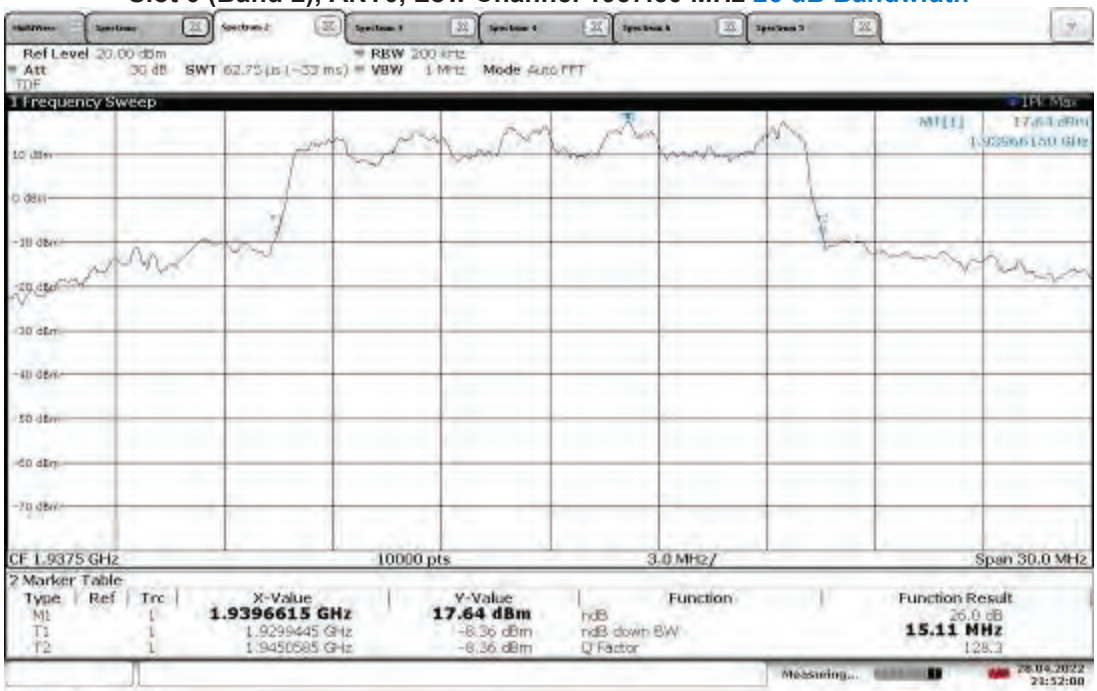
TM3.2-16QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1985 MHz 26 dB Bandwidth



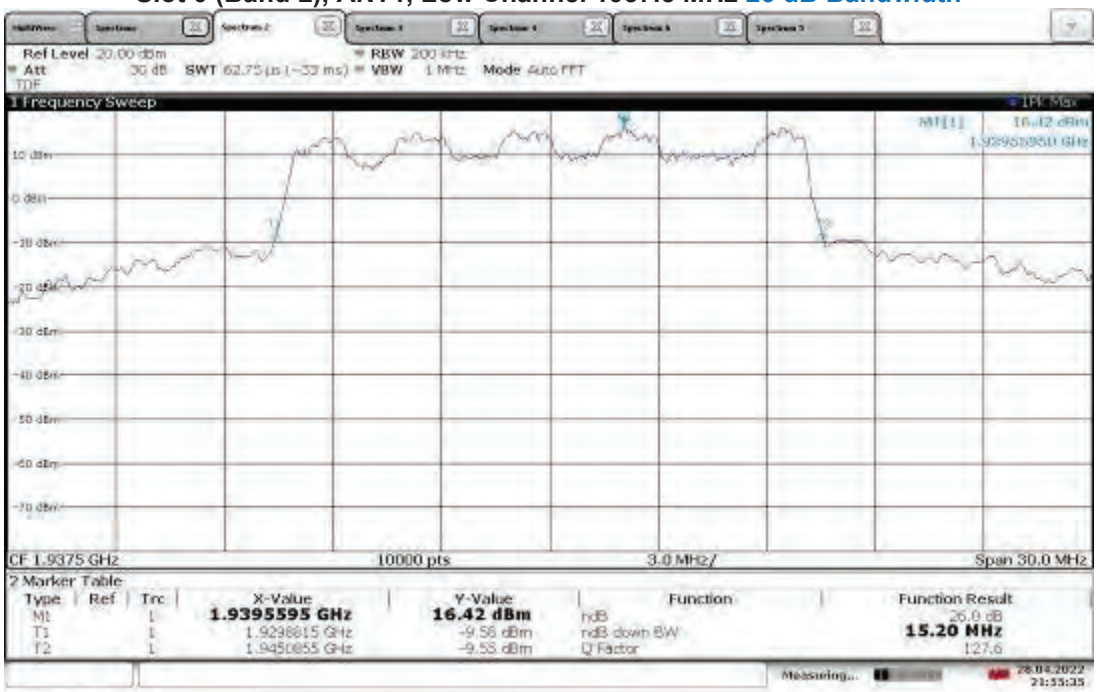
TM3.2-16QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1985 MHz 26 dB Bandwidth



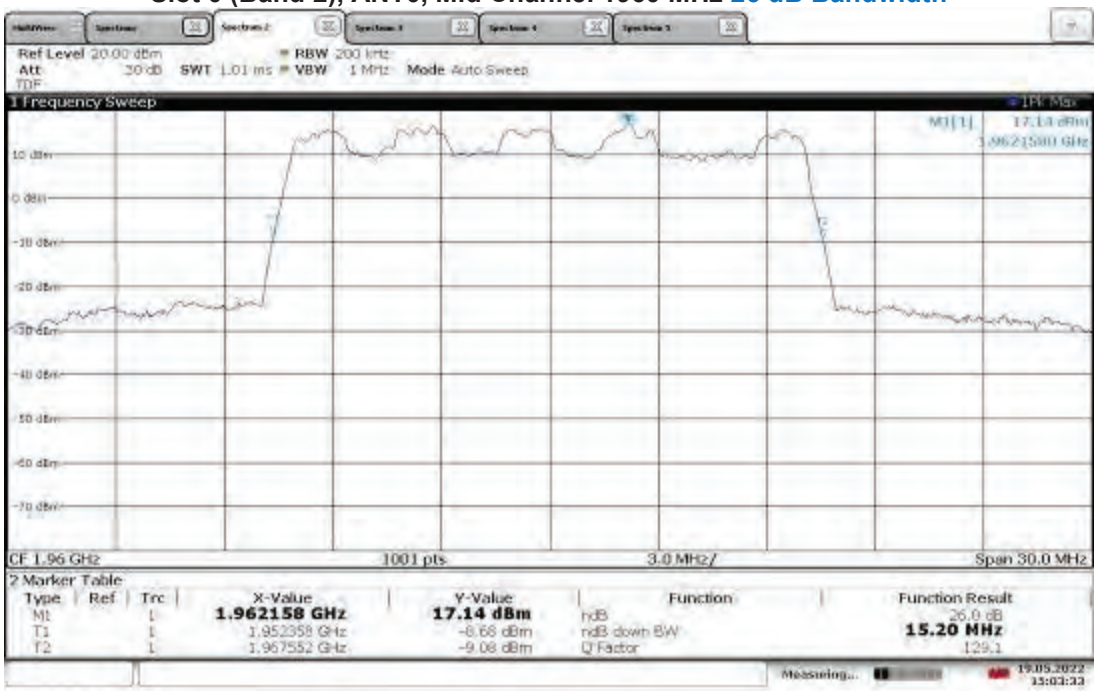
TM3.2-16QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1937.50 MHz 26 dB Bandwidth



TM3.2-16QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1937.5 MHz 26 dB Bandwidth

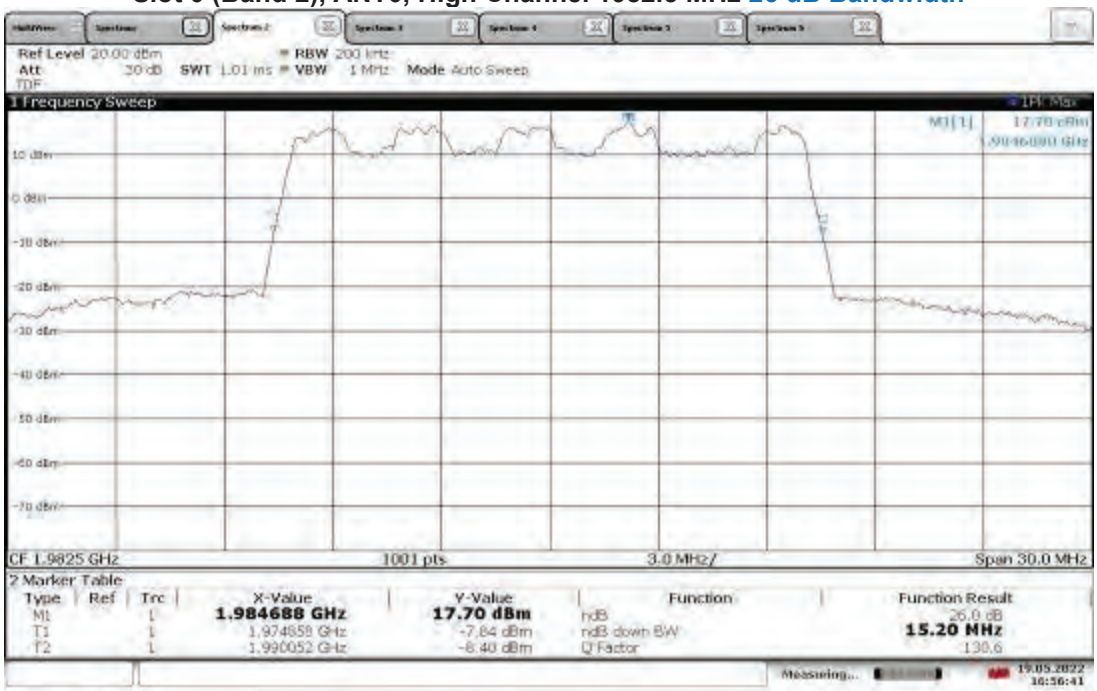


TM3.2-16QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz 26 dB Bandwidth



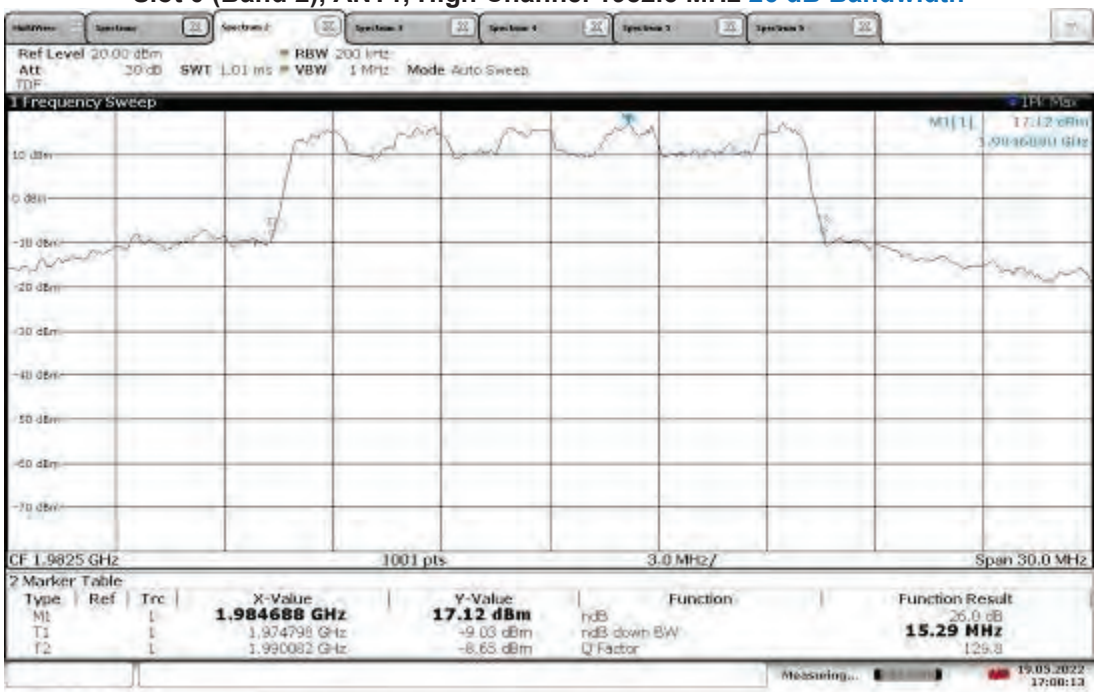
TM3.2-16QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz 26 dB Bandwidth

TM3.2-16QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1982.5 MHz 26 dB Bandwidth



16:56:41 19.05.2022

TM3.2-16QAM_15 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1982.5 MHz 26 dB Bandwidth



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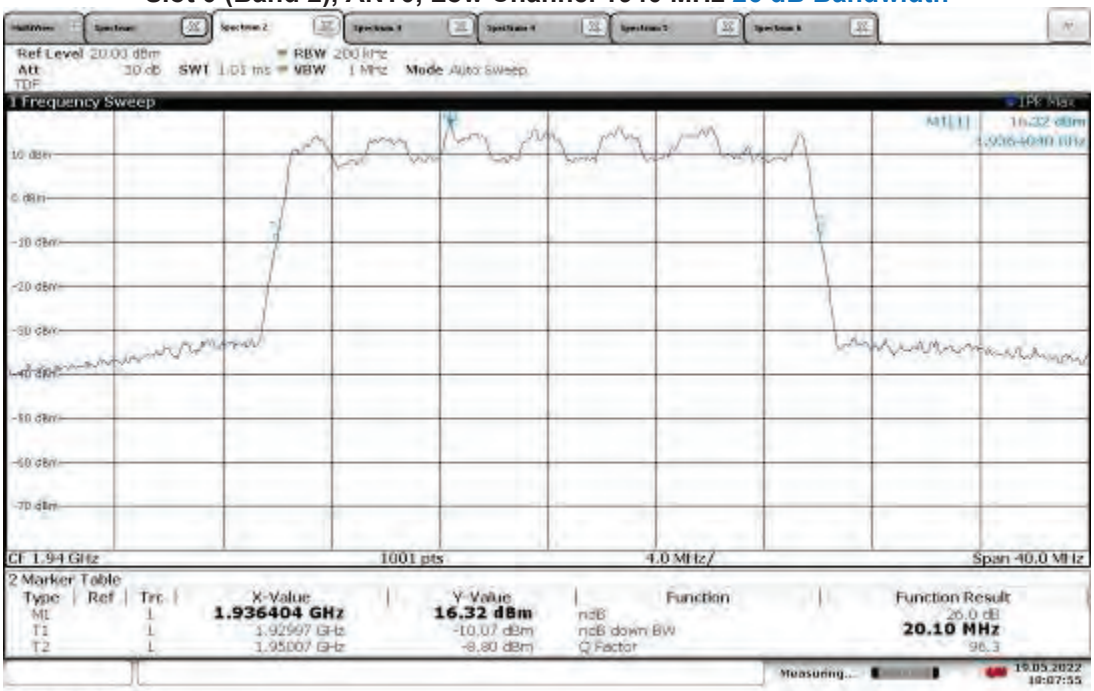
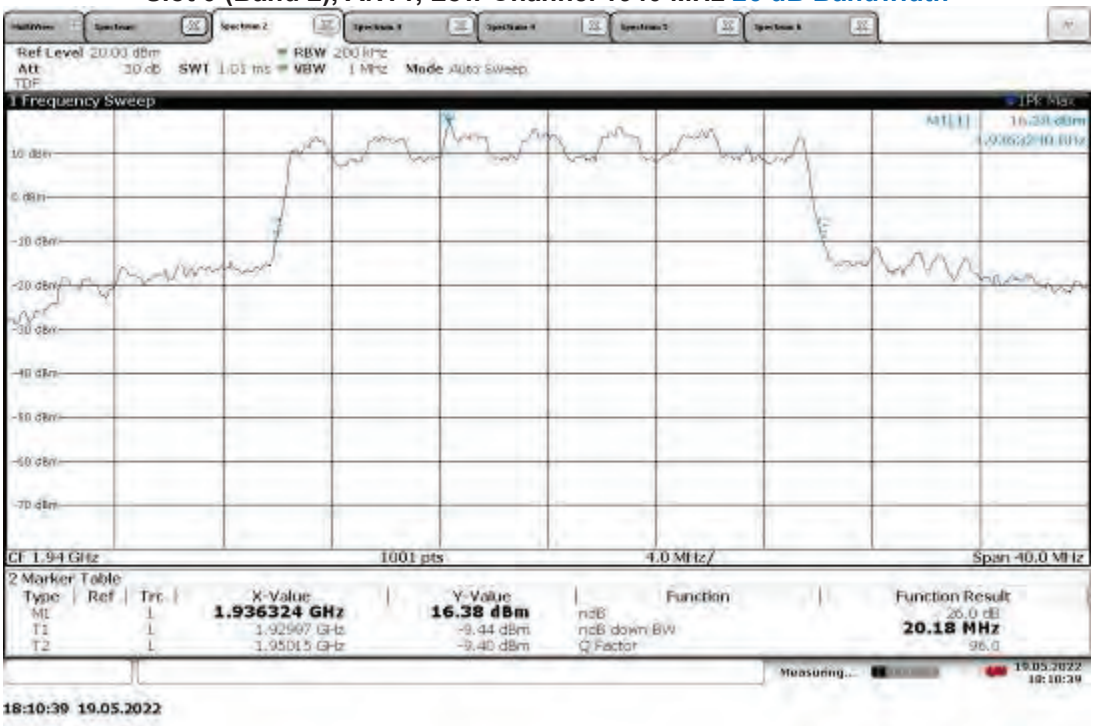
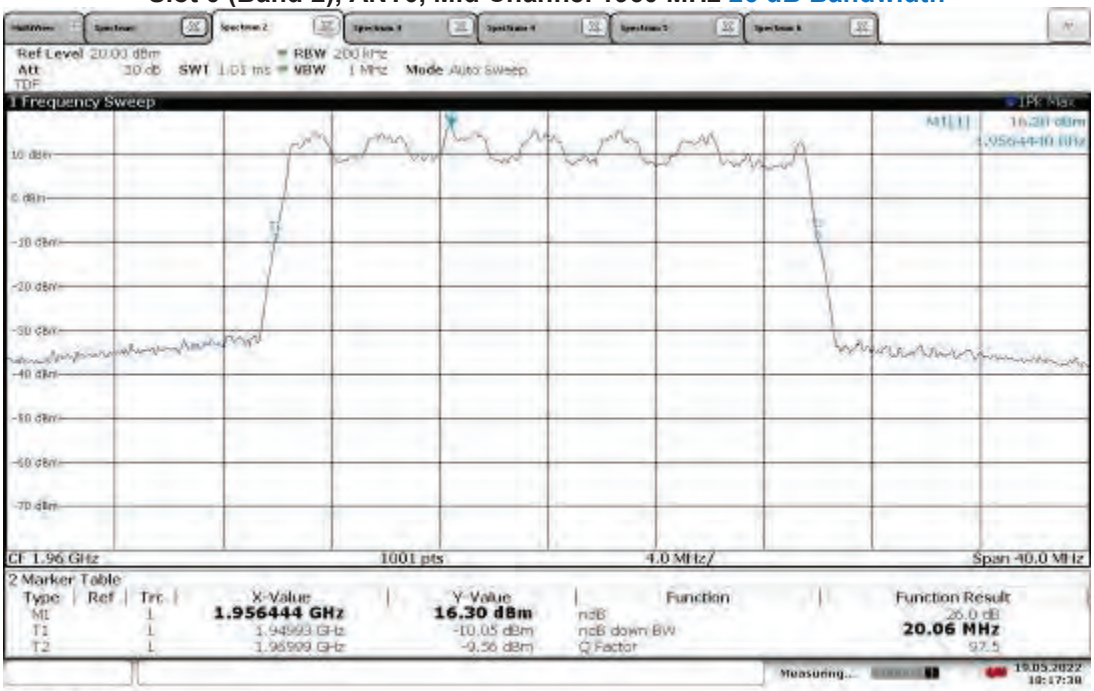
TM3.2-16QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1940 MHz 26 dB Bandwidth



TM3.2-16QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1940 MHz 26 dB Bandwidth



TM3.2-16QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz 26 dB Bandwidth



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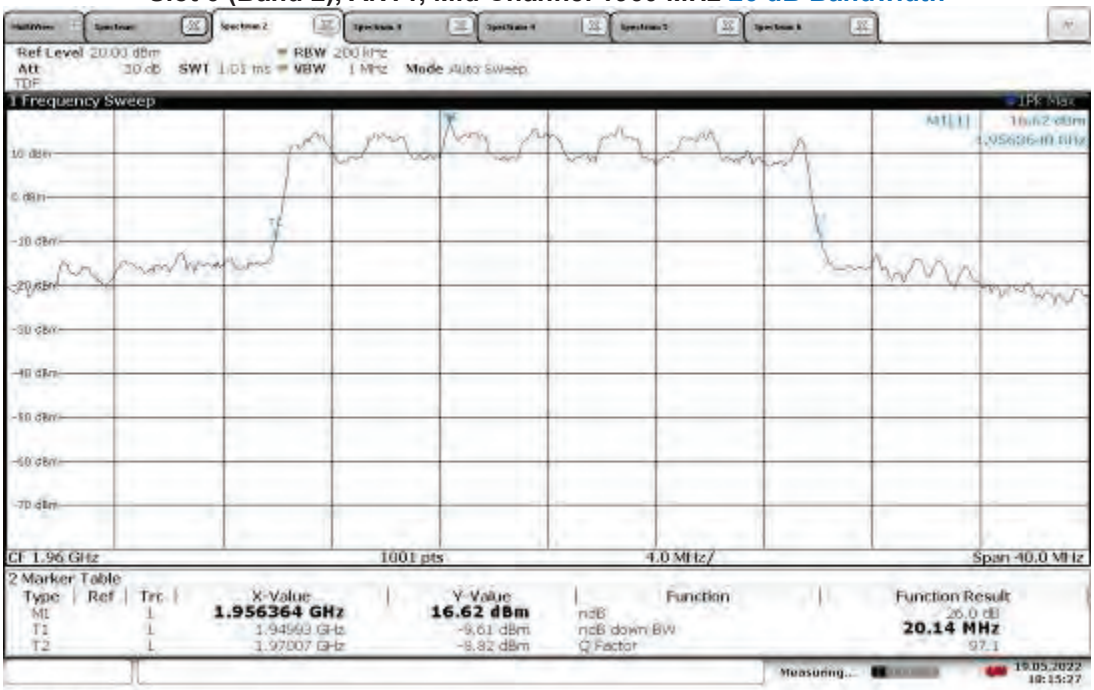
TM3.2-16QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz 26 dB Bandwidth



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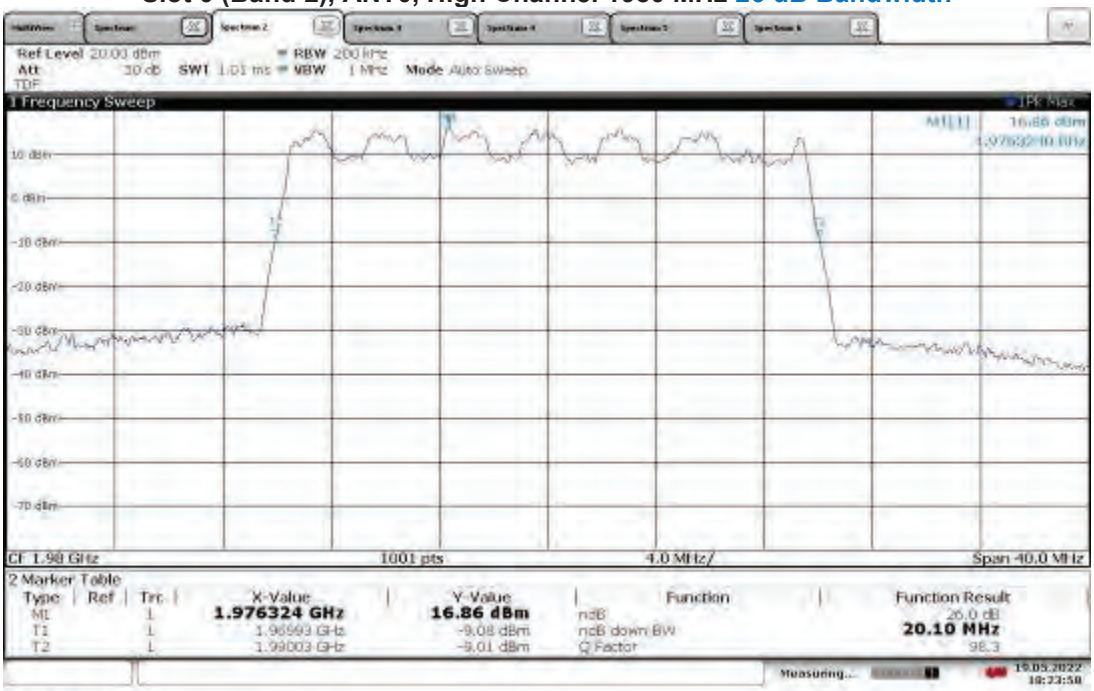
TM3.2-16QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1980 MHz 26 dB Bandwidth



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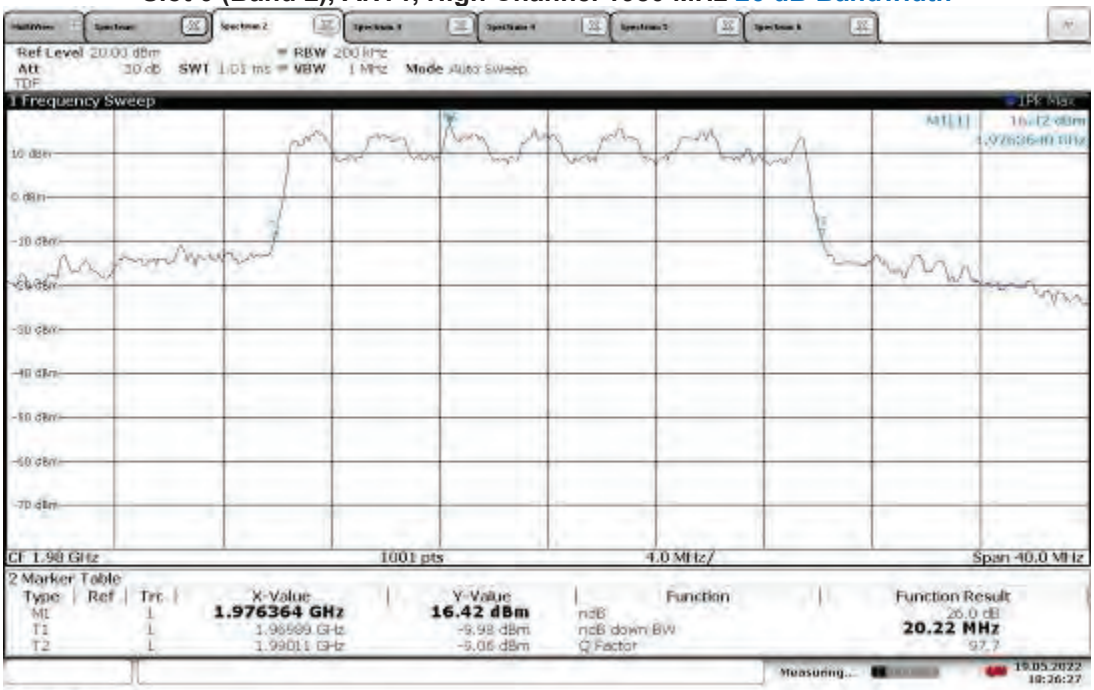
TM3.2-16QAM_20 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1980 MHz 26 dB Bandwidth



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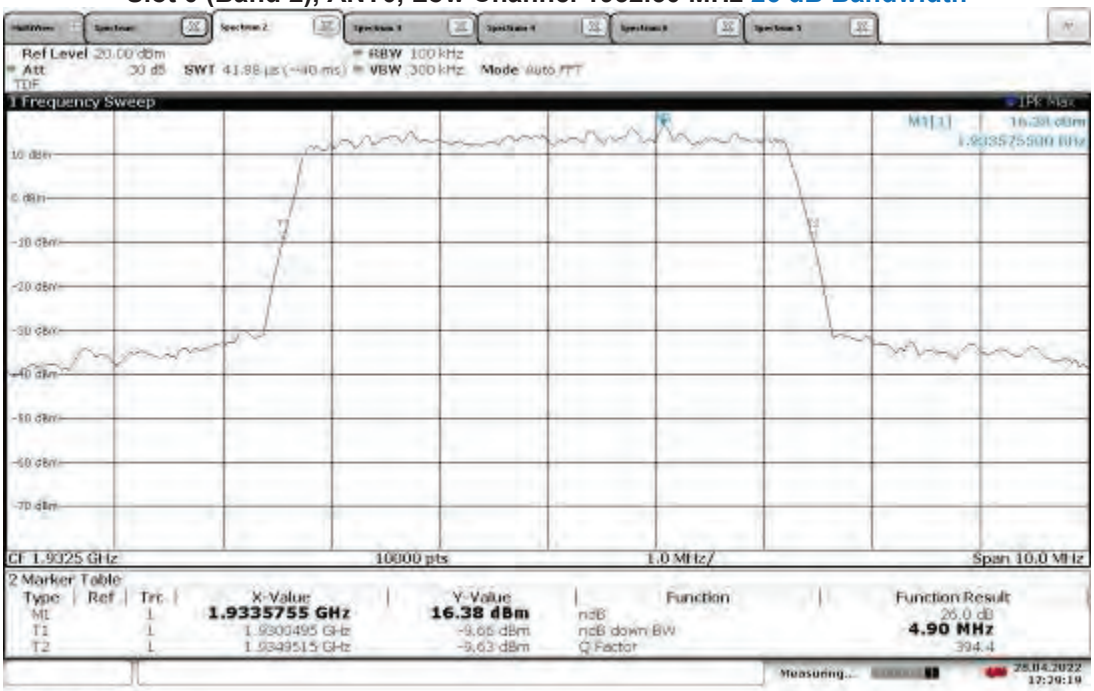
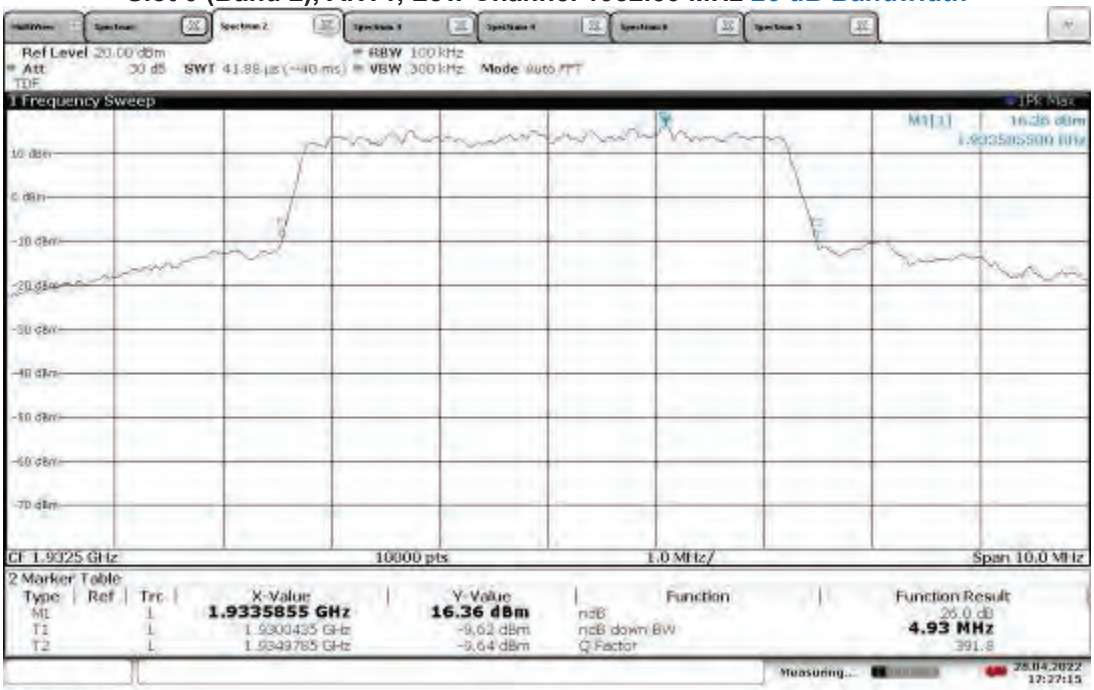
TM3.1-64QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1932.50 MHz 26 dB Bandwidth



17:29:19 28.04.2022

TM3.1-64QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1932.50 MHz 26 dB Bandwidth



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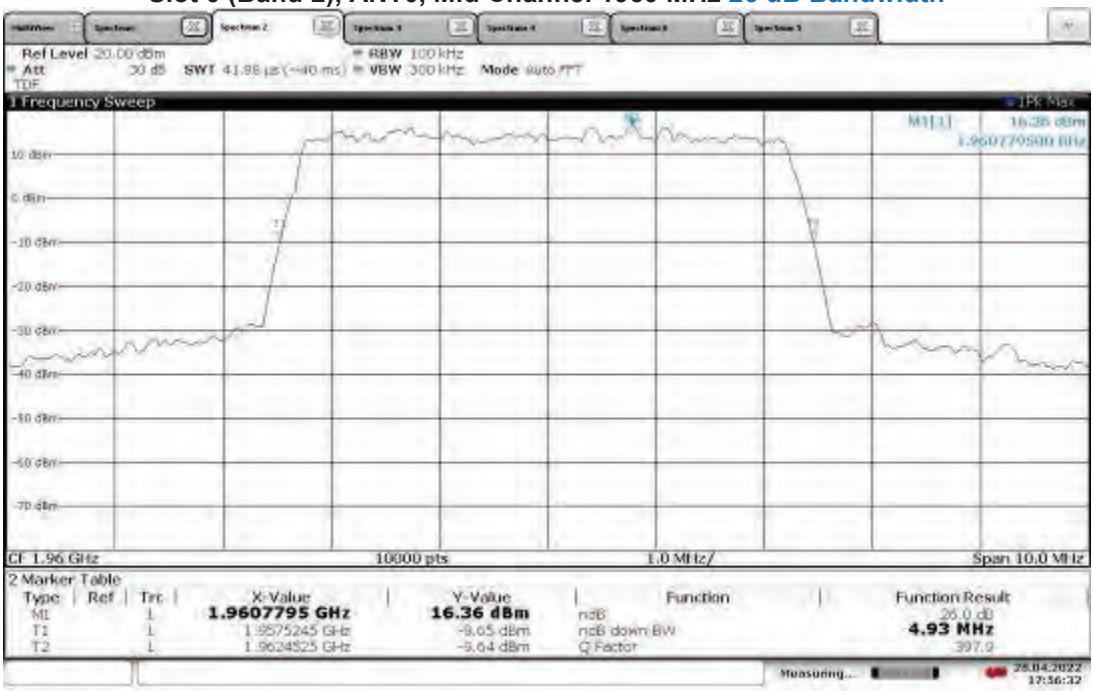
TM3.1-64QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz 26 dB Bandwidth



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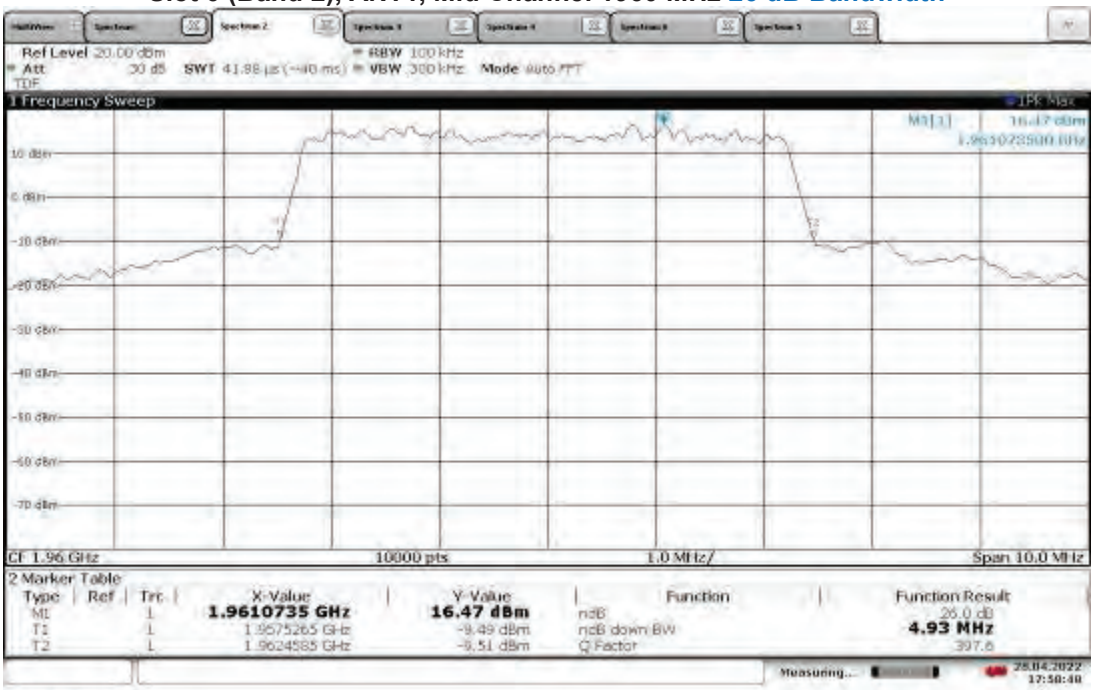
TM3.1-64QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz 26 dB Bandwidth



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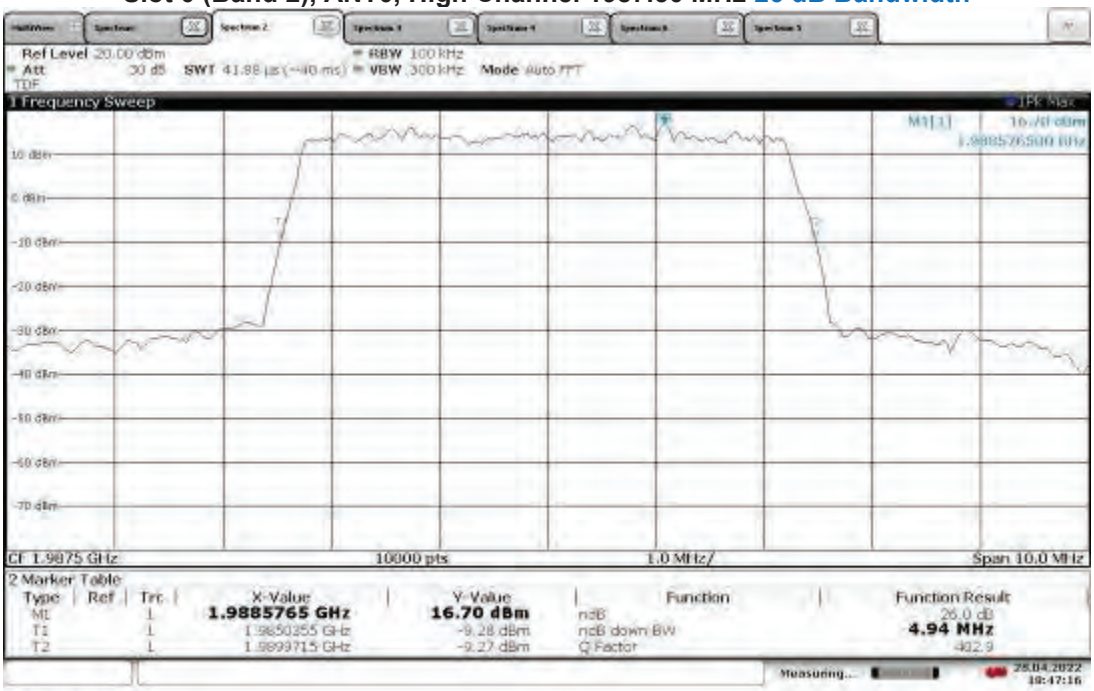
TM3.1-64QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1987.50 MHz 26 dB Bandwidth



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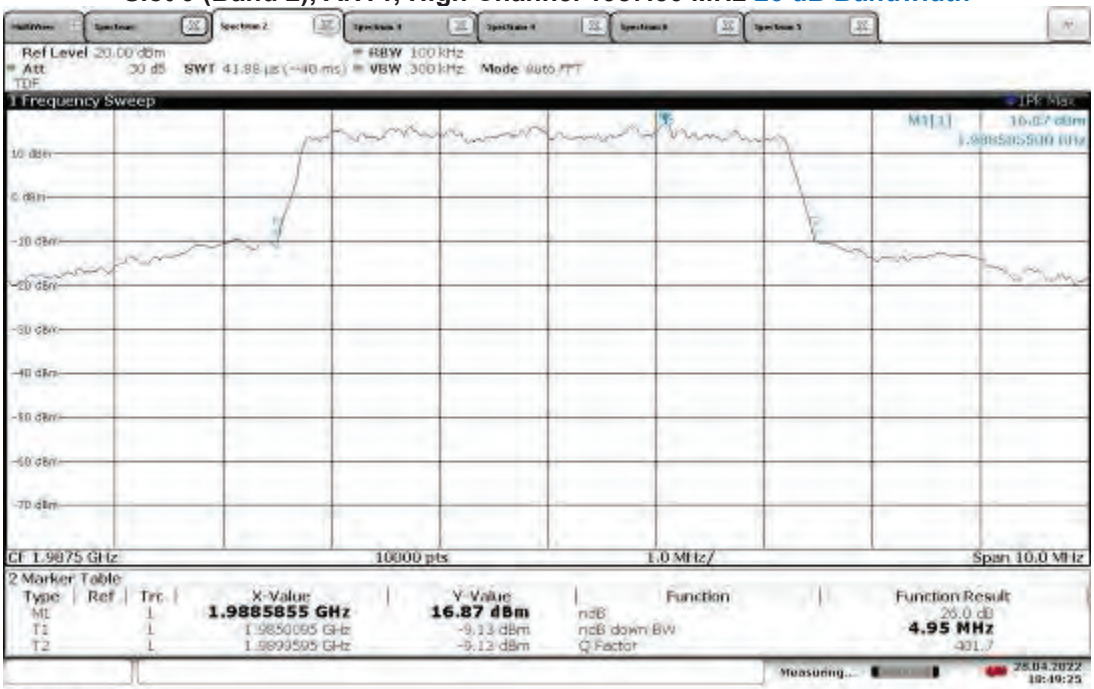
TM3.1-64QAM_5 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1987.50 MHz 26 dB Bandwidth



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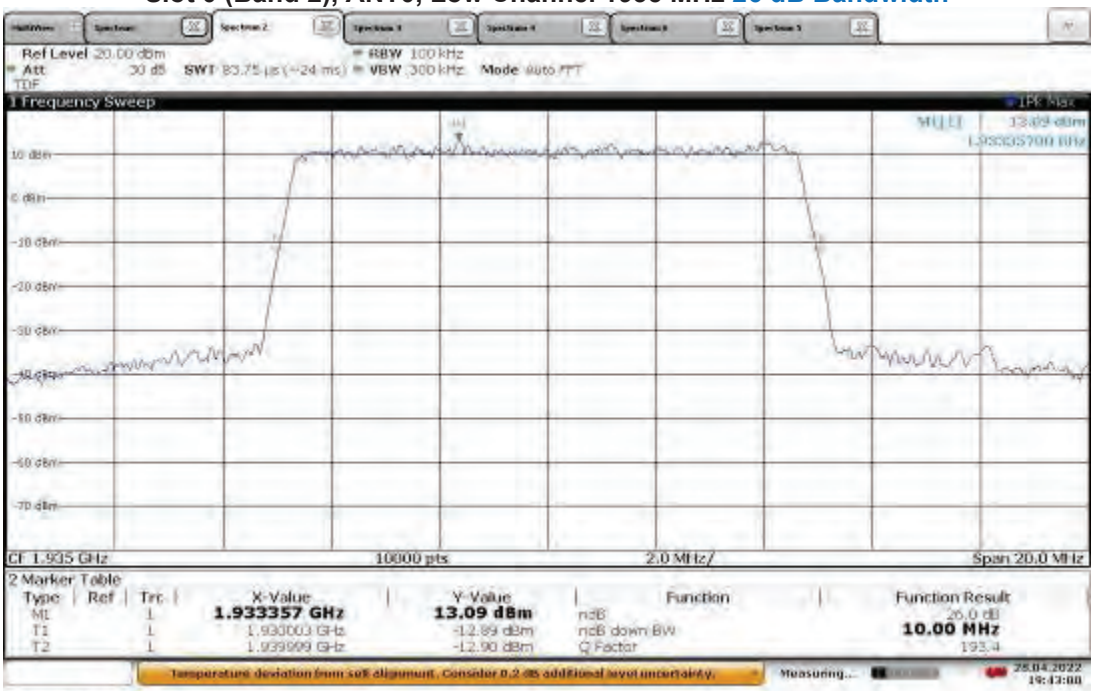
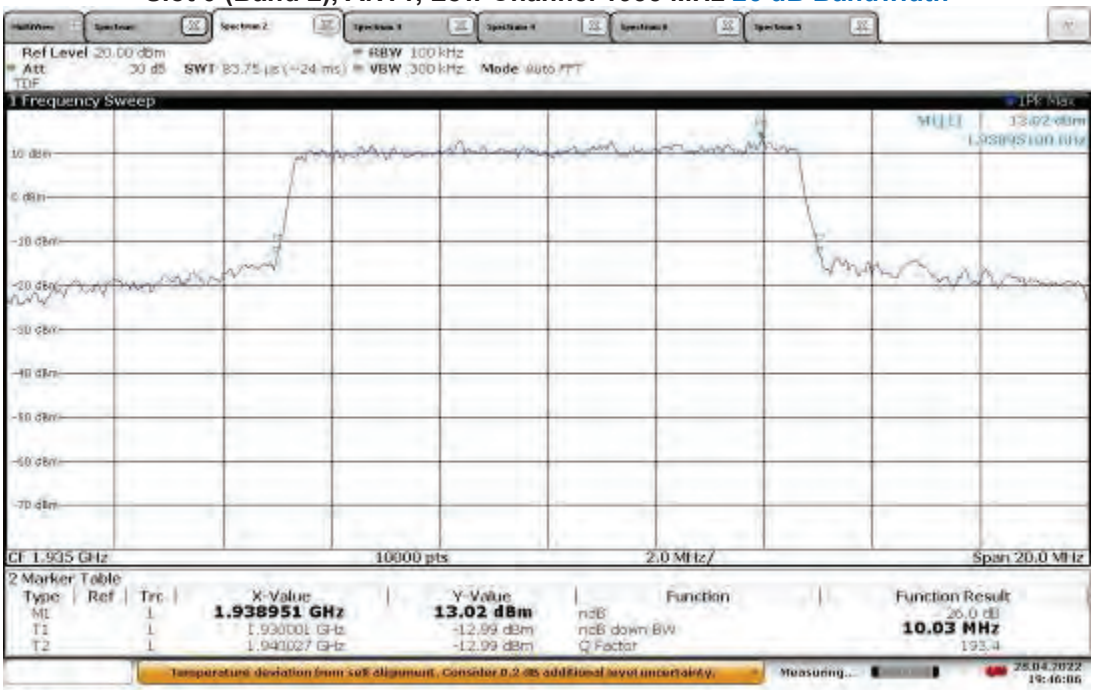
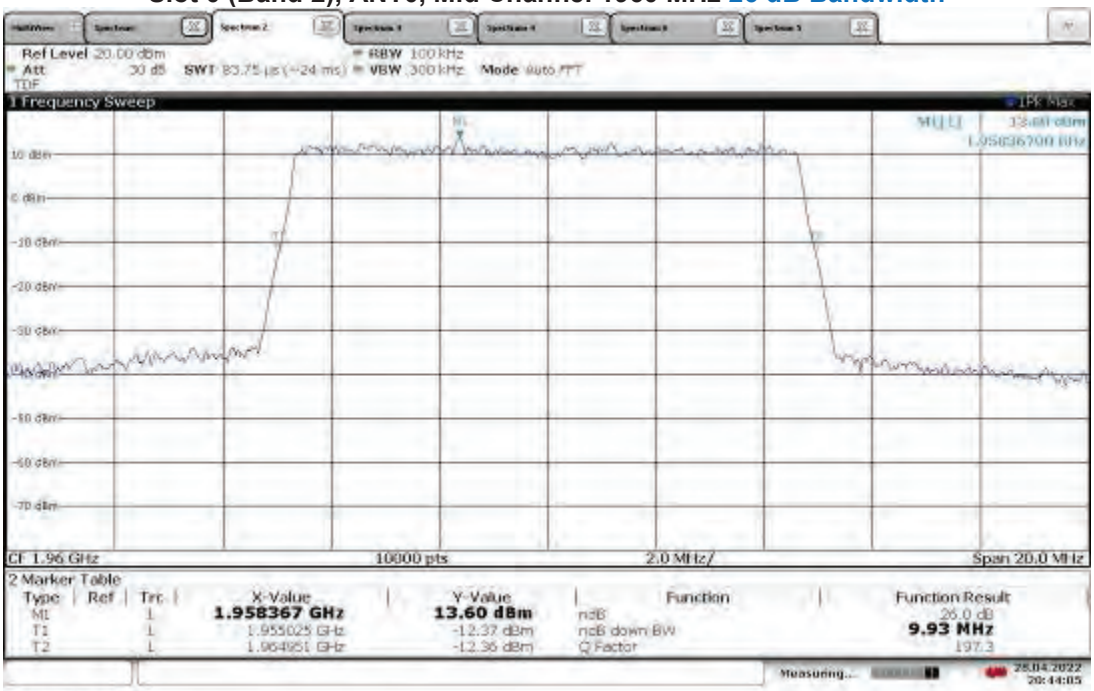
TM3.1-64QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Low Channel 1935 MHz 26 dB Bandwidth



TM3.1-64QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Low Channel 1935 MHz 26 dB Bandwidth



TM3.1-64QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, Mid Channel 1960 MHz 26 dB Bandwidth



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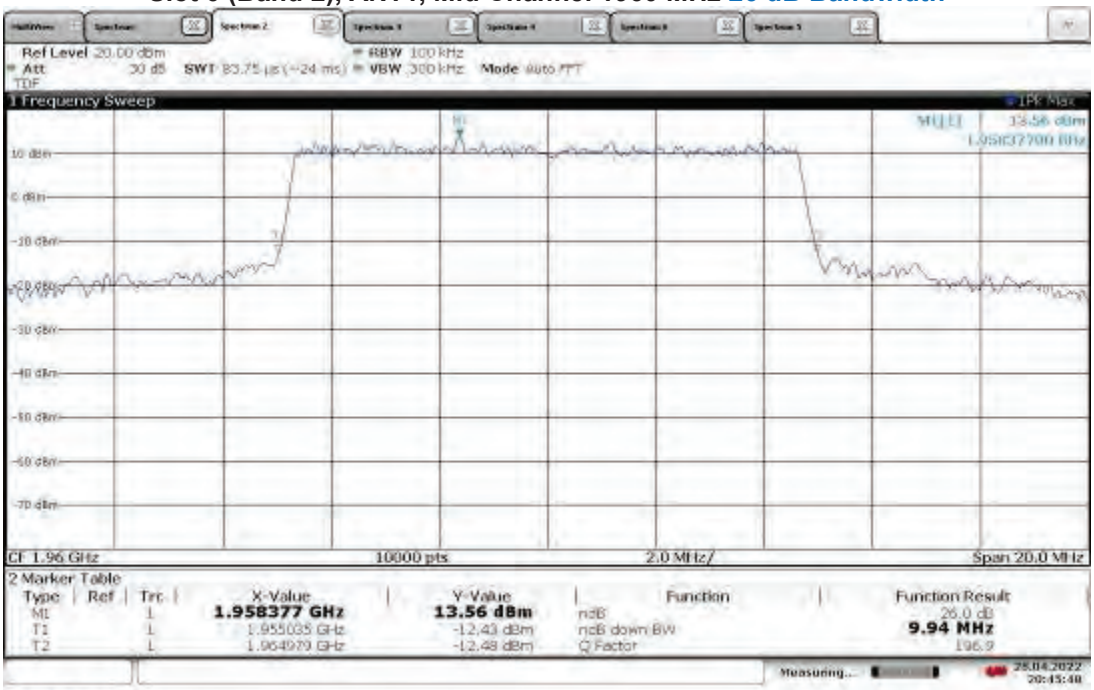
TM3.1-64QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, Mid Channel 1960 MHz 26 dB Bandwidth



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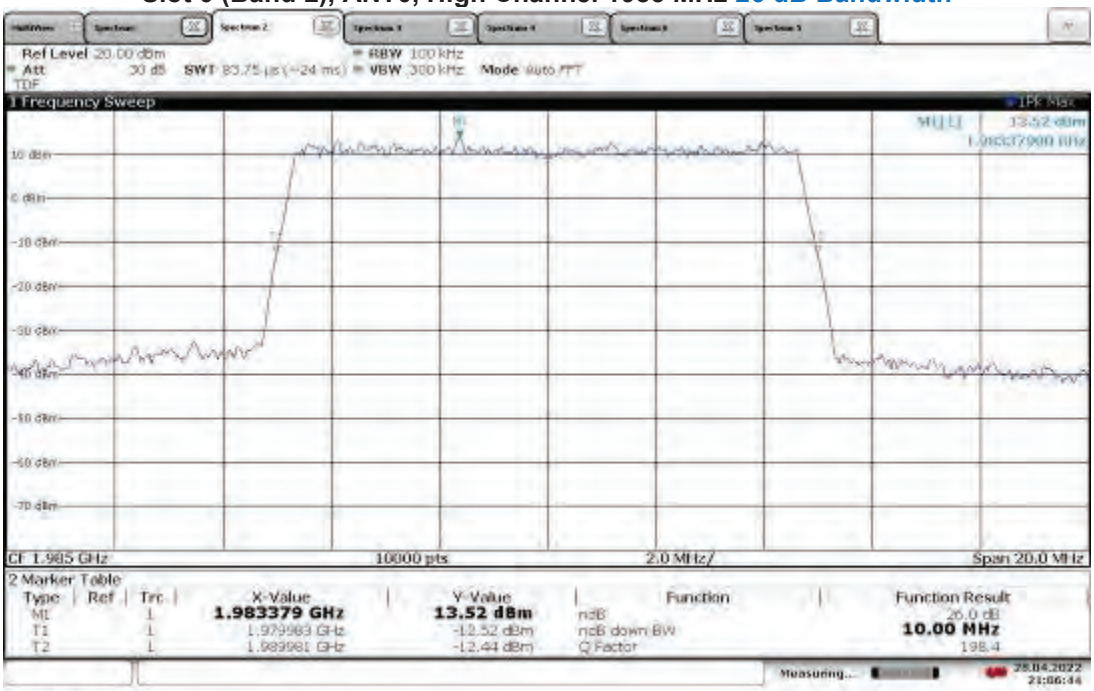
TM3.1-64QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT0, High Channel 1985 MHz 26 dB Bandwidth



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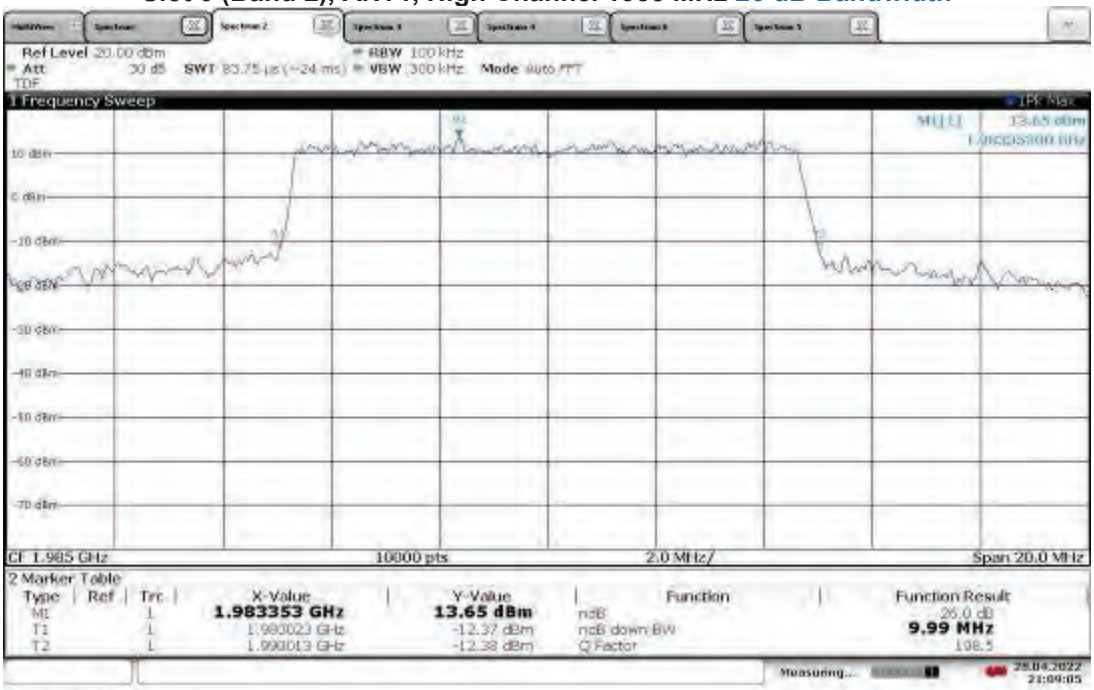
TM3.1-64QAM_10 MHz Bandwidth (5G NR)
Slot 0 (Band 2), ANT1, High Channel 1985 MHz 26 dB Bandwidth



21:09:05 28.04.2022