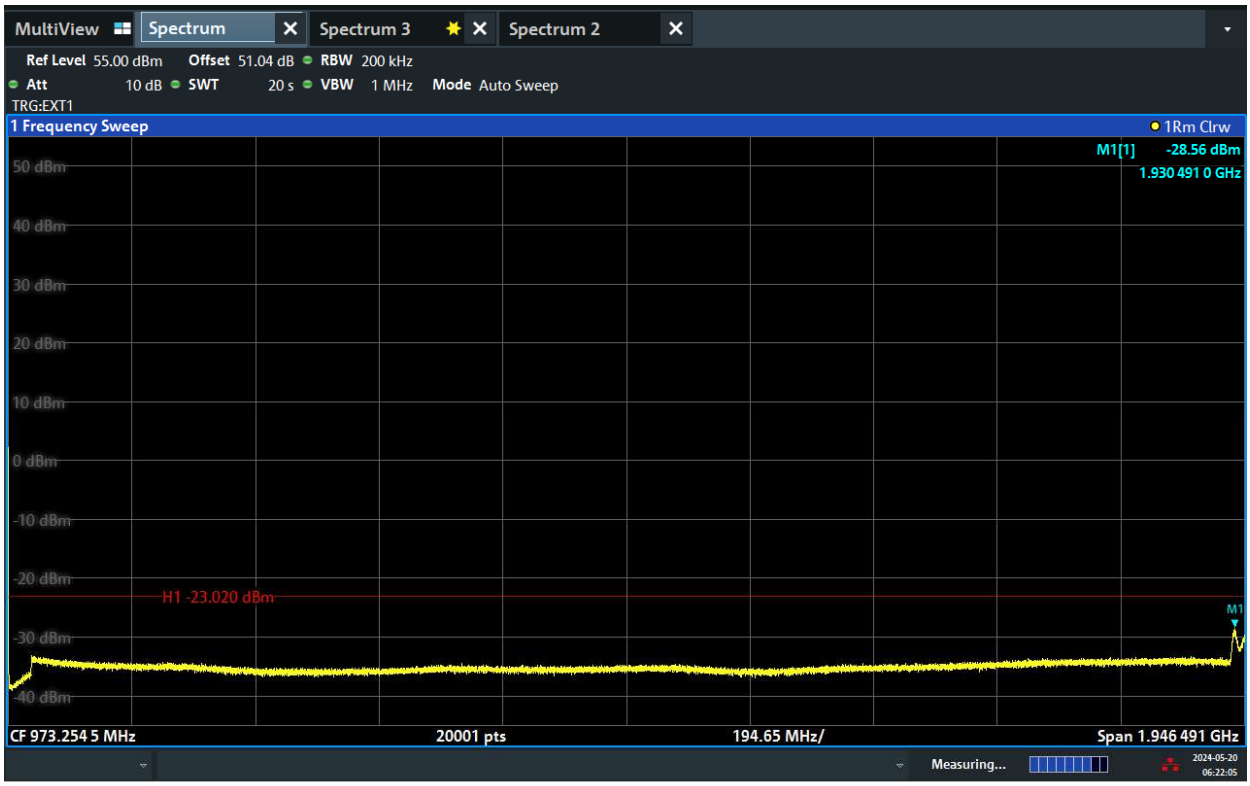
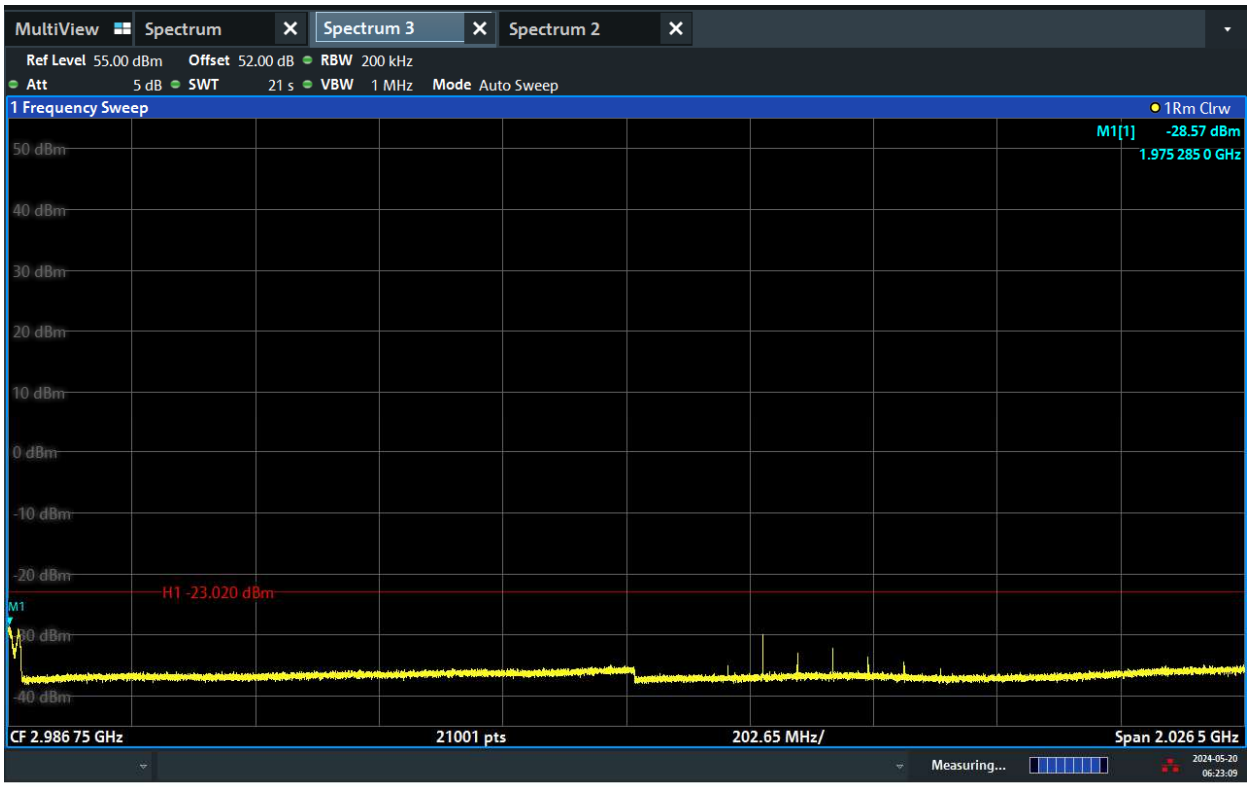
TEST REPORT

Channel Position M



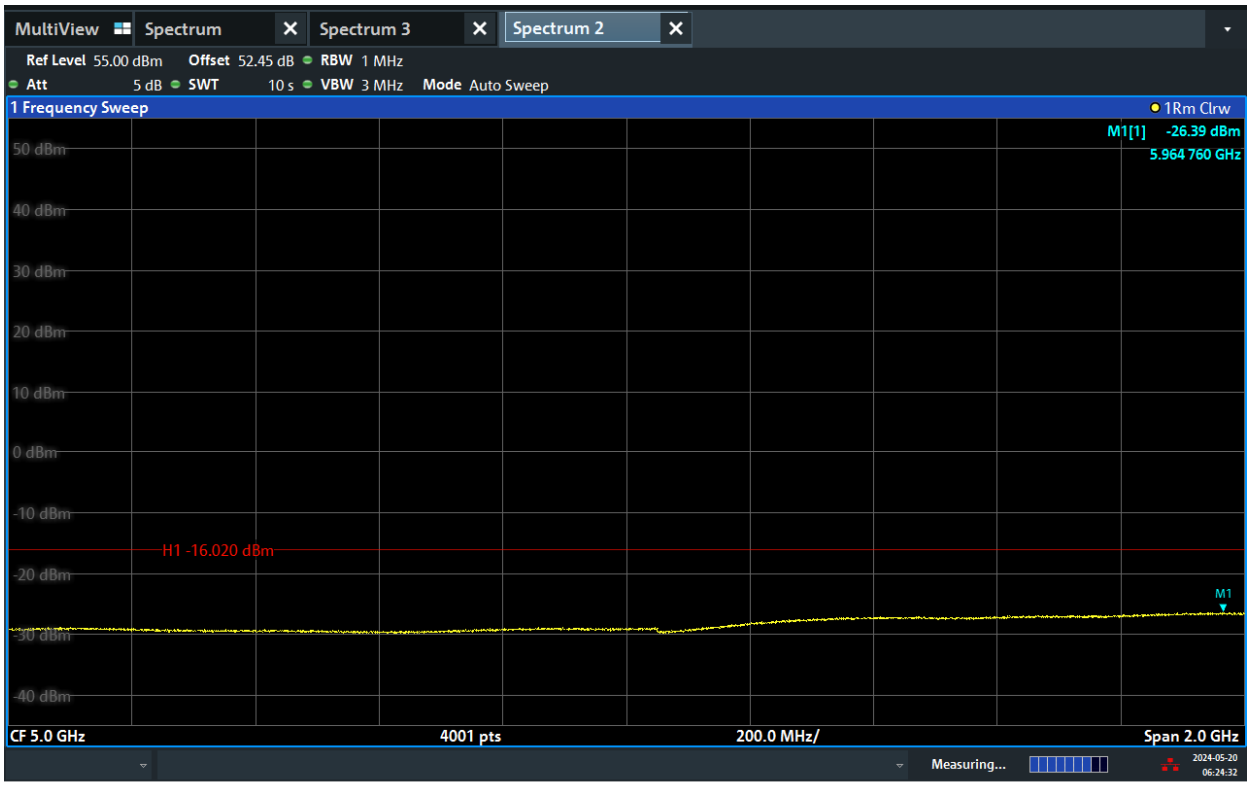
06:22:05 AM 05/20/2024



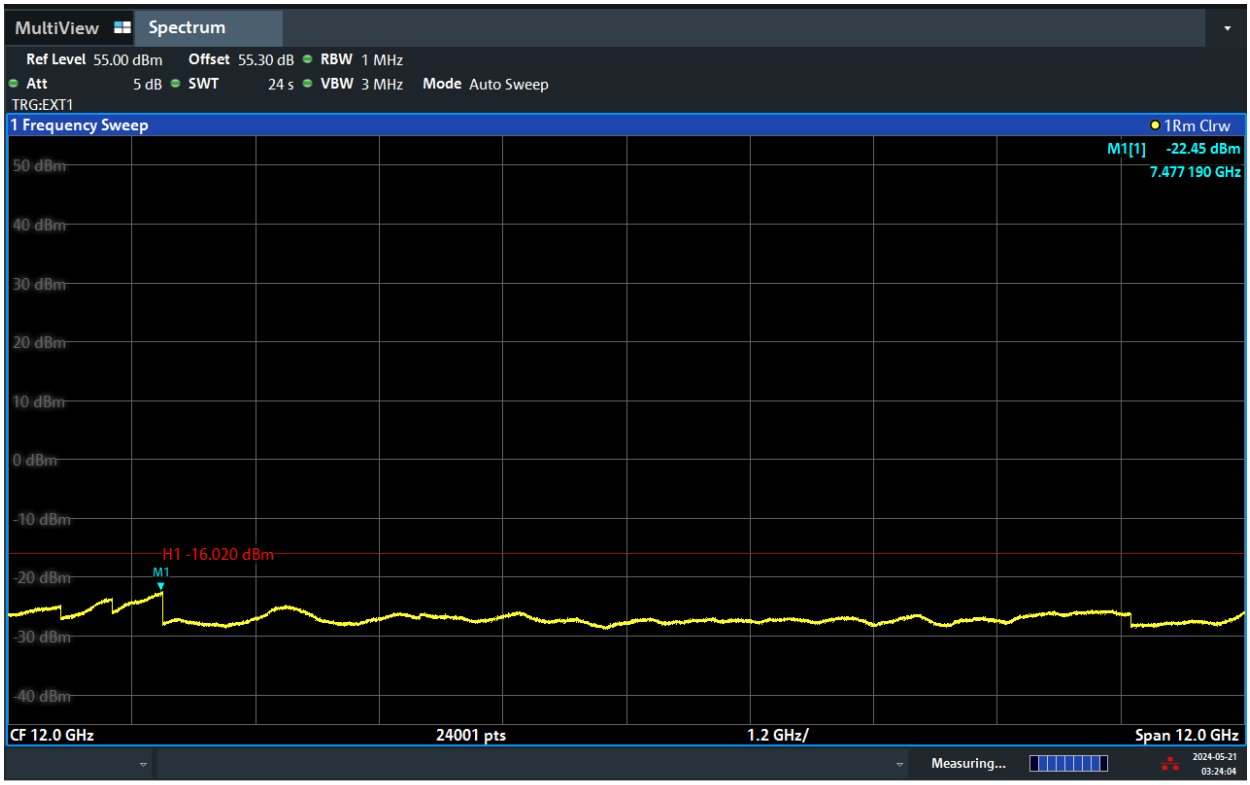
06:23:10 AM 05/20/2024

Total Quality. Assured.

TEST REPORT

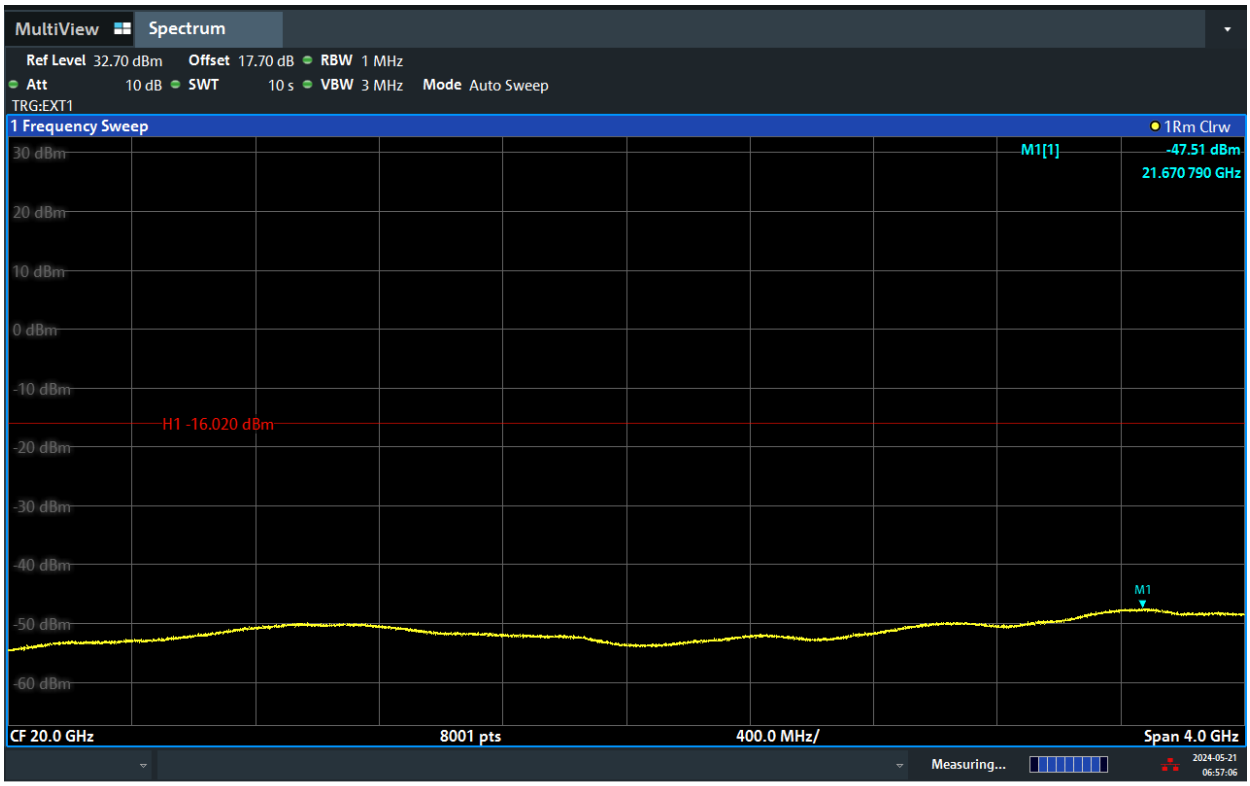


06:24:32 AM 05/20/2024



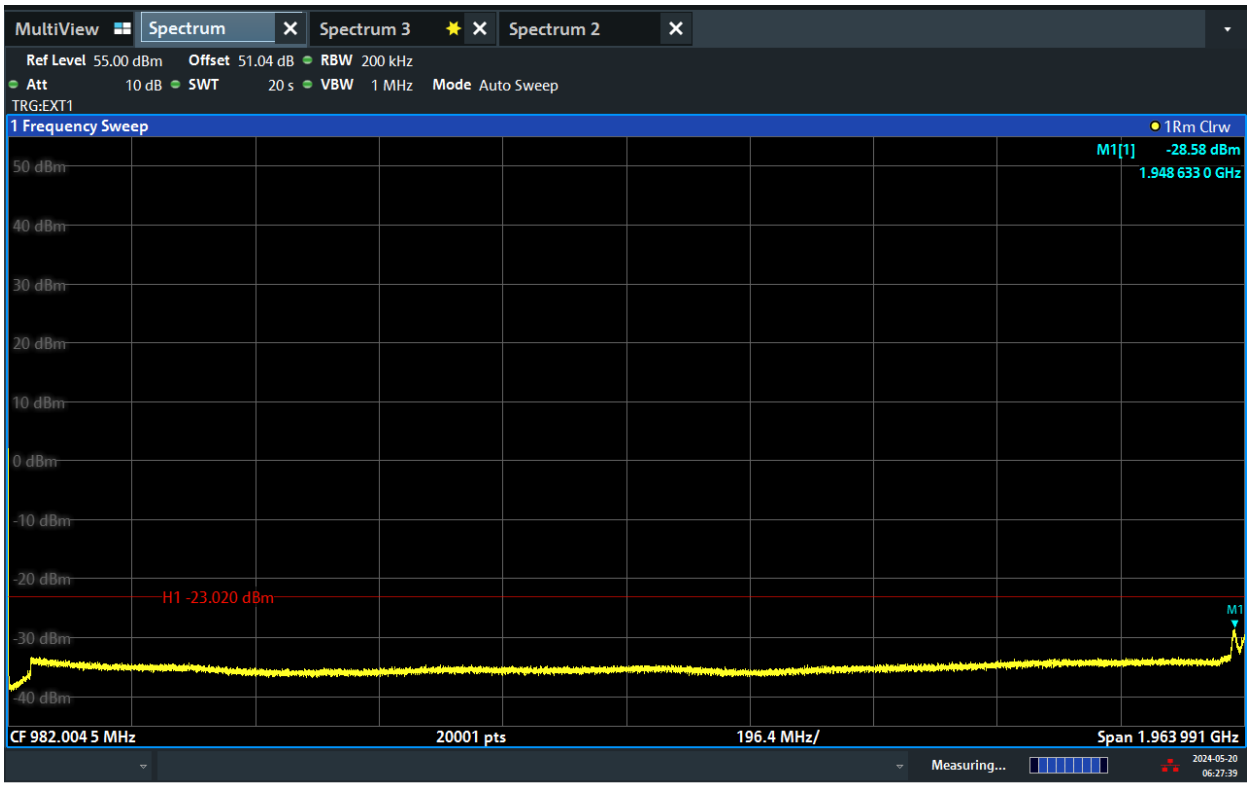
03:24:04 AM 05/21/2024

TEST REPORT



06:57:06 AM 05/21/2024

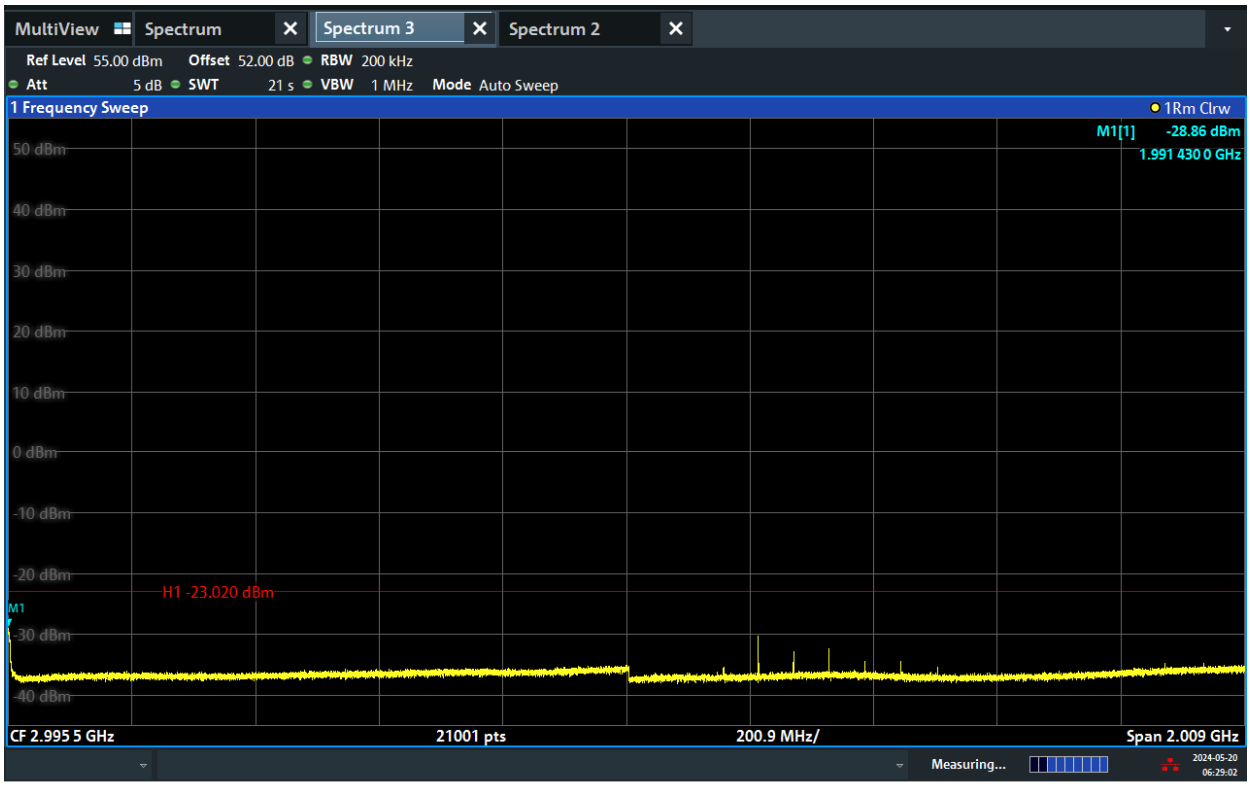
Channel Position T



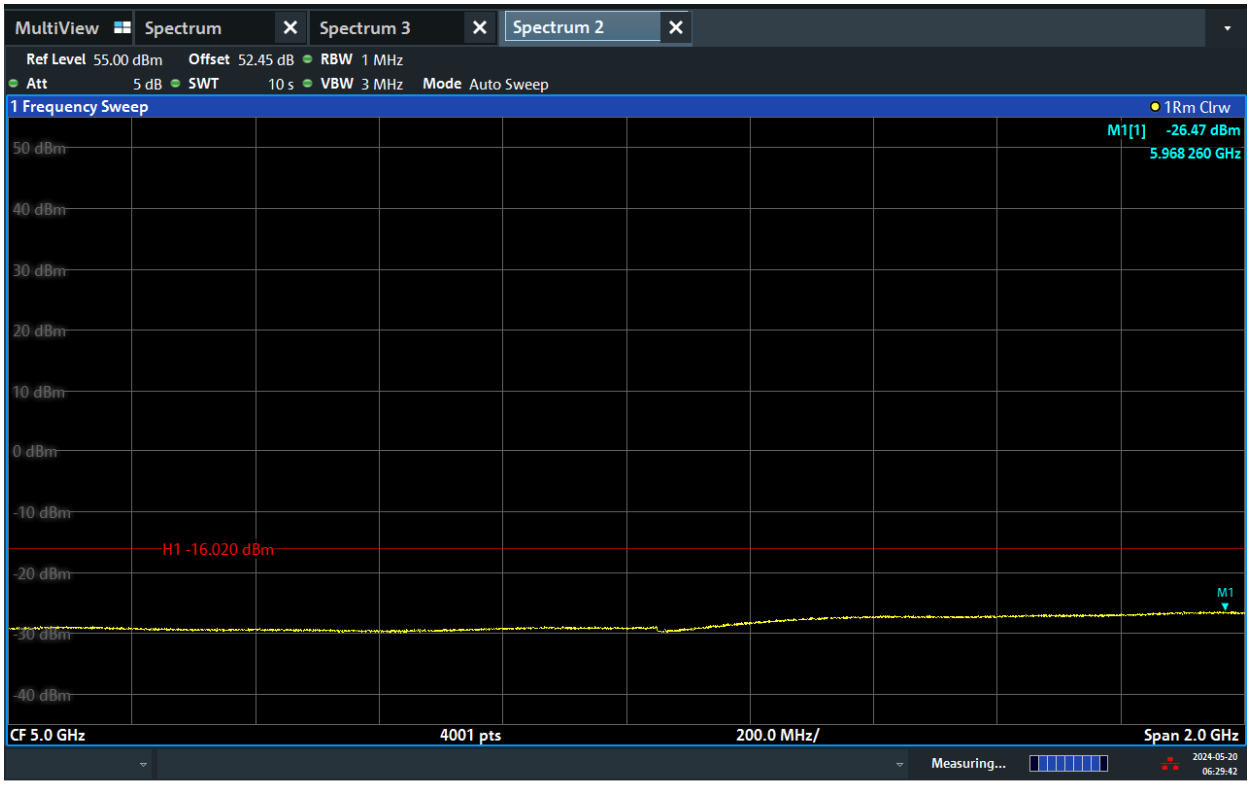
06:27:40 AM 05/20/2024

Total Quality. Assured.

TEST REPORT



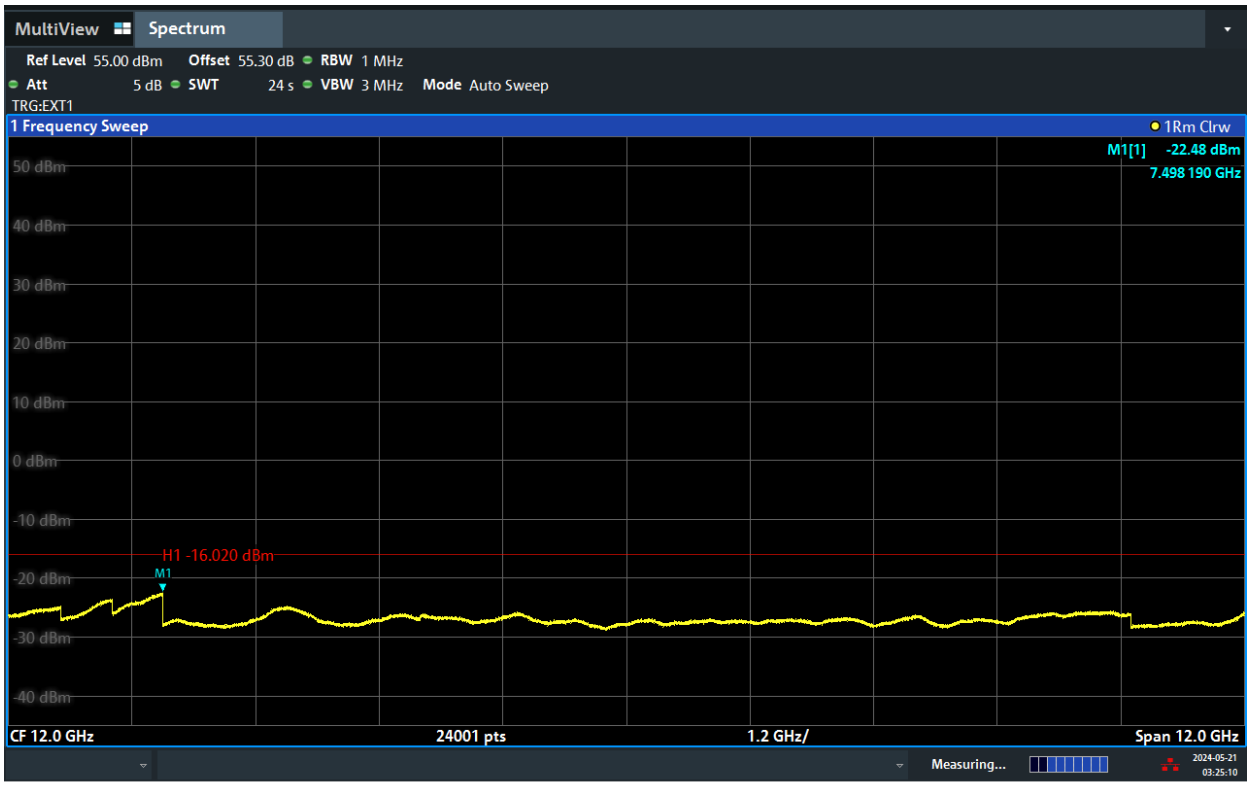
06:29:02 AM 05/20/2024



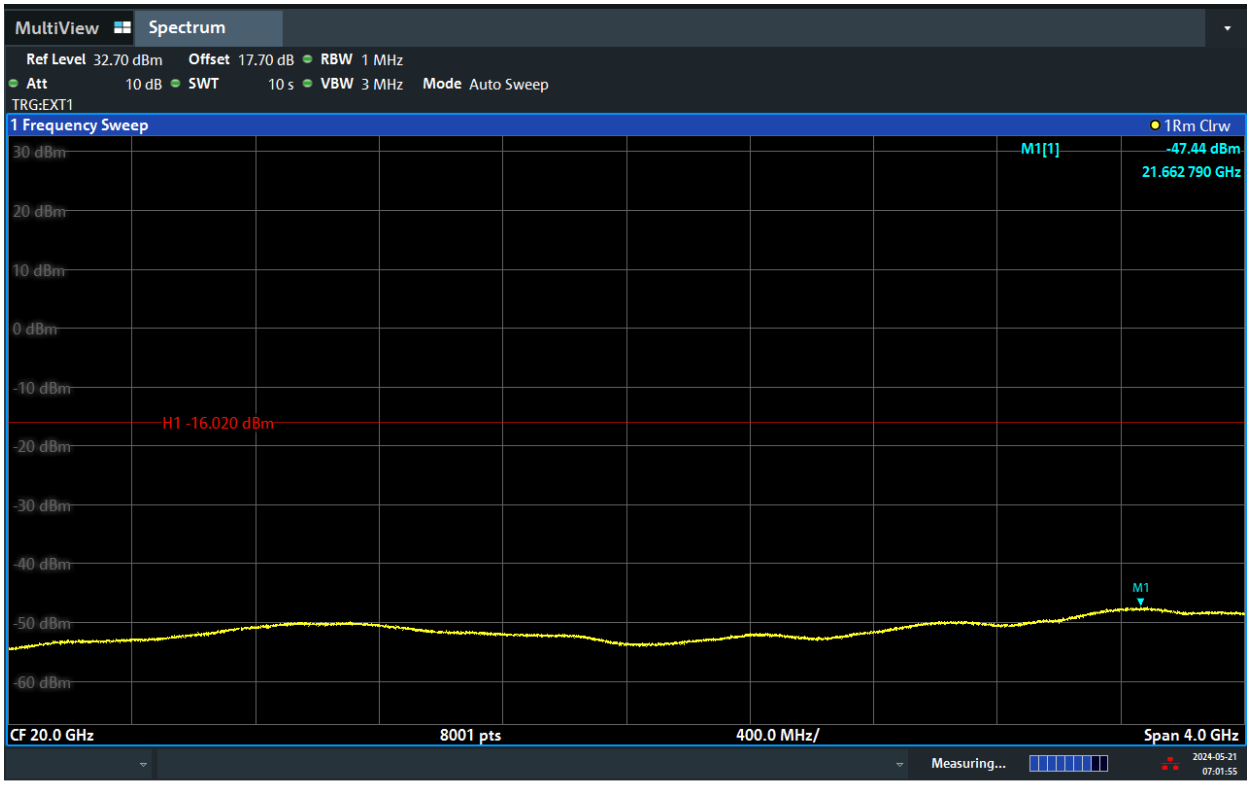
06:29:42 AM 05/20/2024

Total Quality. Assured.

TEST REPORT



03:25:10 AM 05/21/2024

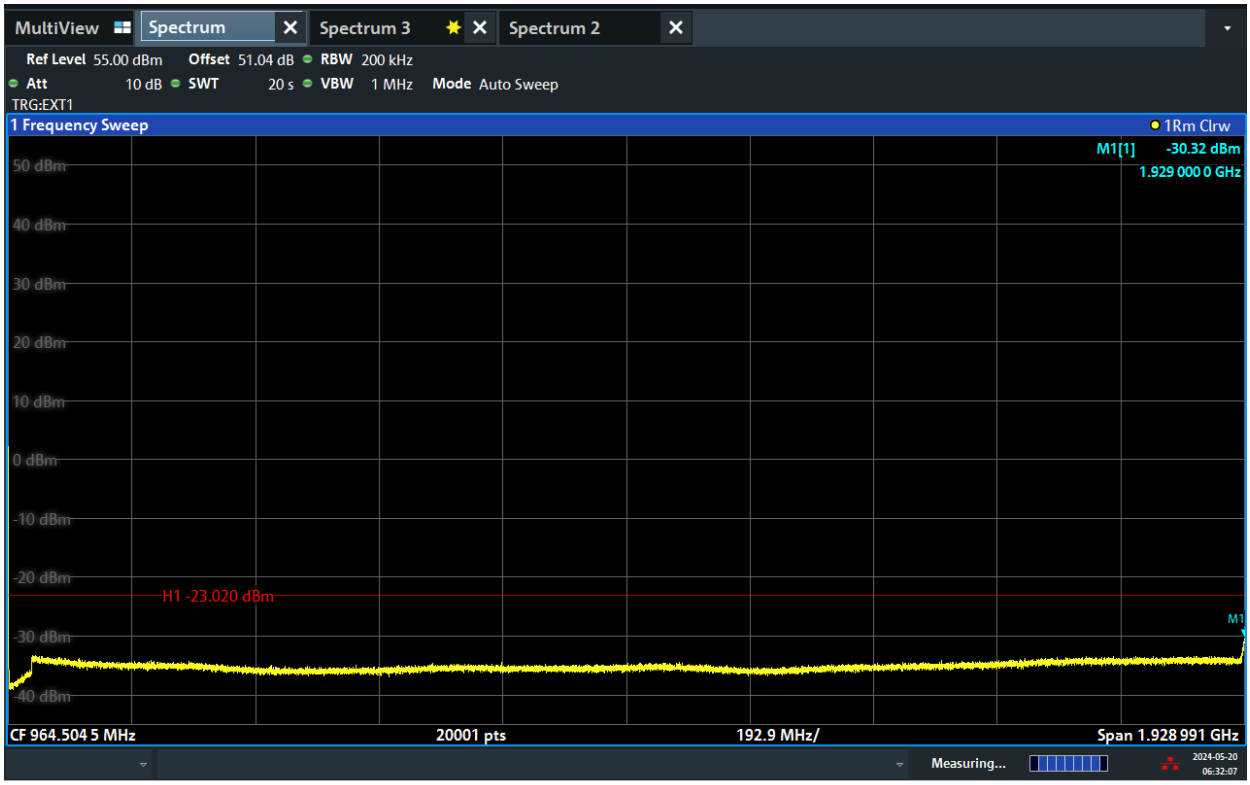


07:01:55 AM 05/21/2024

TEST REPORT

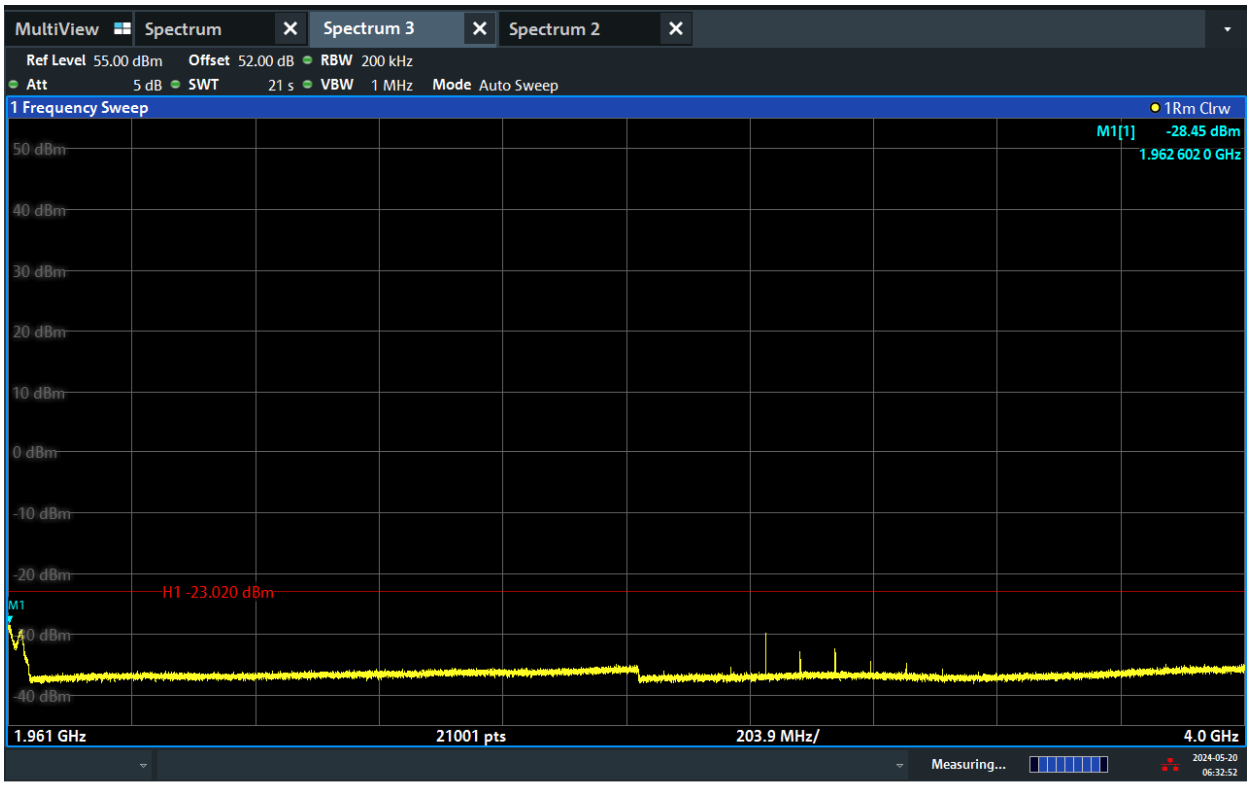
Antenna Port	Channel Position	Modulation	Carrier BW (MHz)
A	B	256QAM	30
A	M	256QAM	30
A	T	256QAM	30

Channel Position B

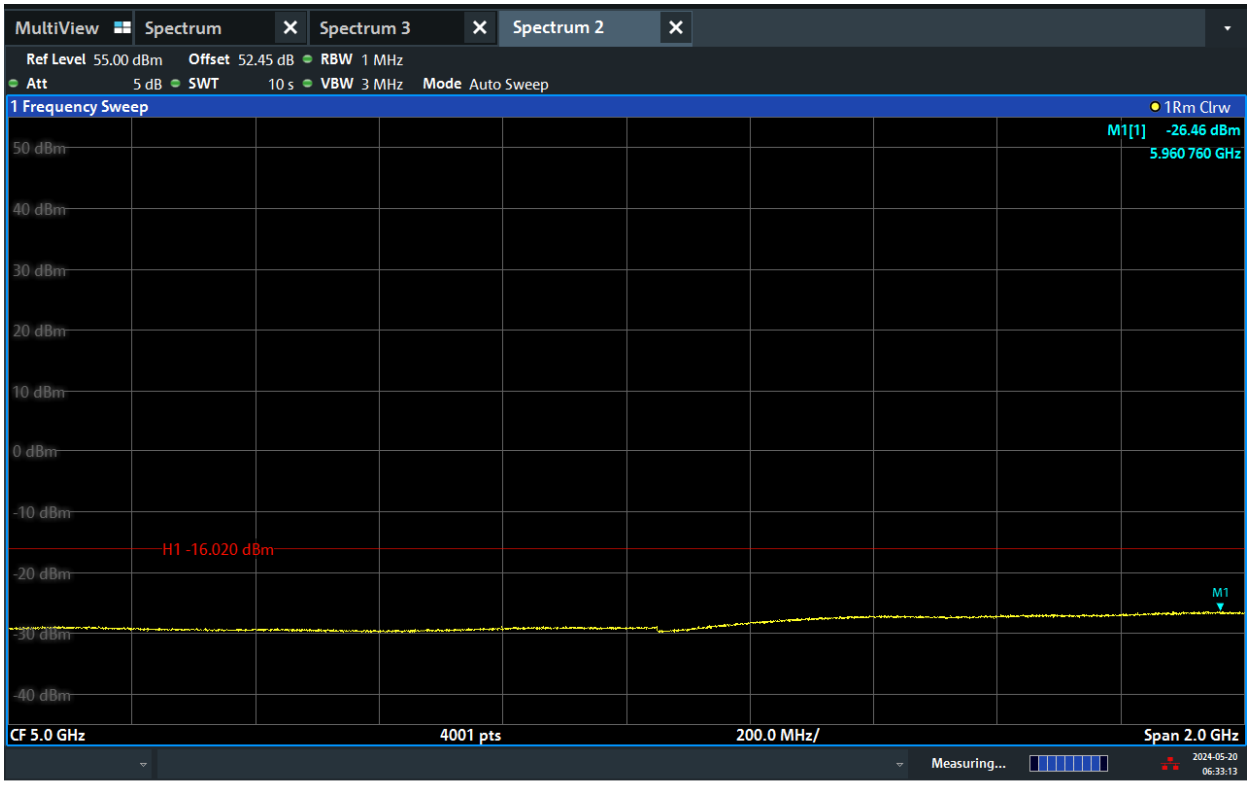


Total Quality. Assured.

TEST REPORT



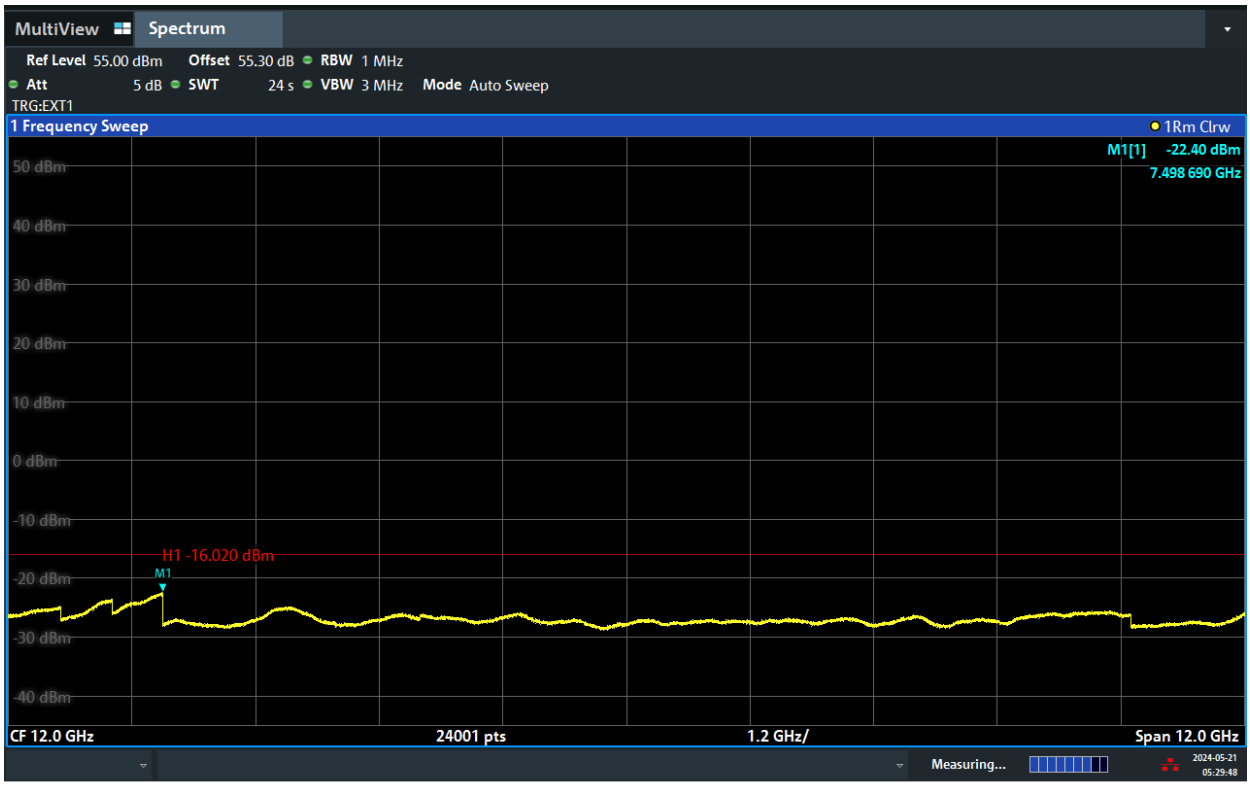
06:32:52 AM 05/20/2024



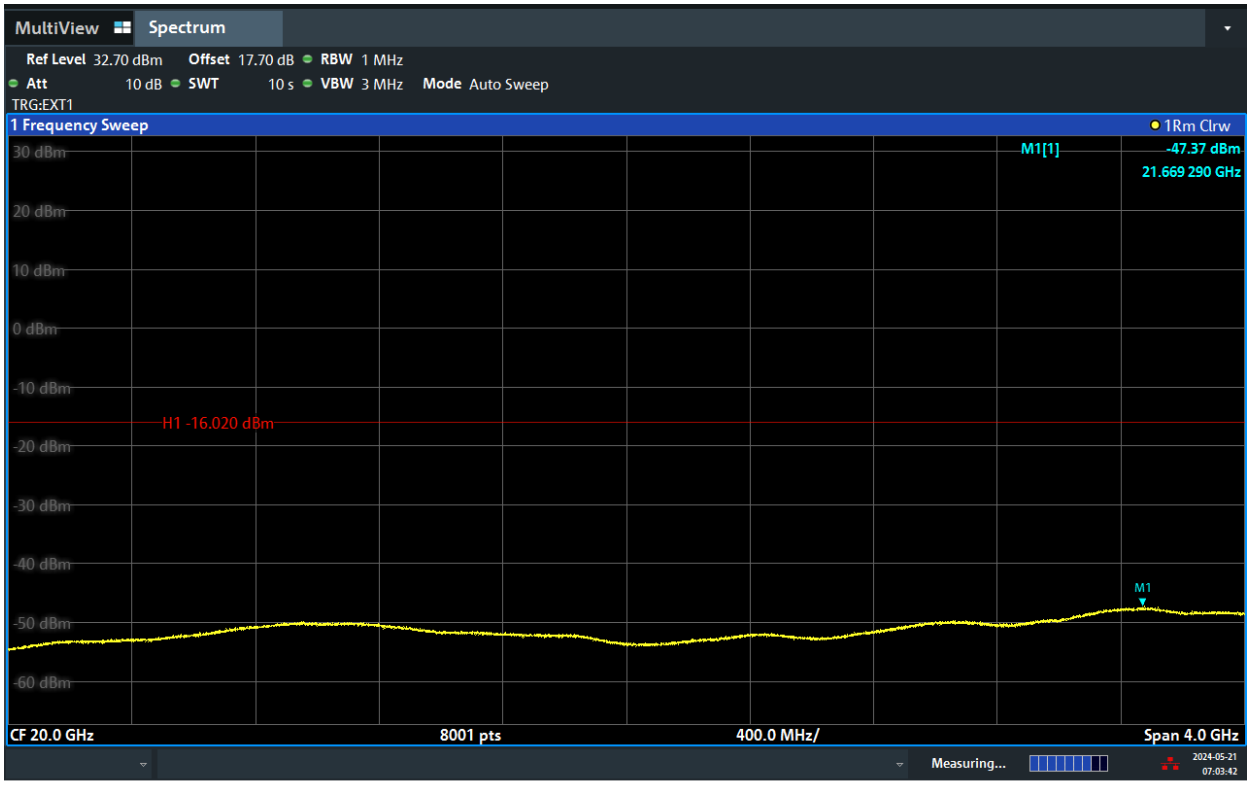
06:33:14 AM 05/20/2024

Total Quality. Assured.

TEST REPORT



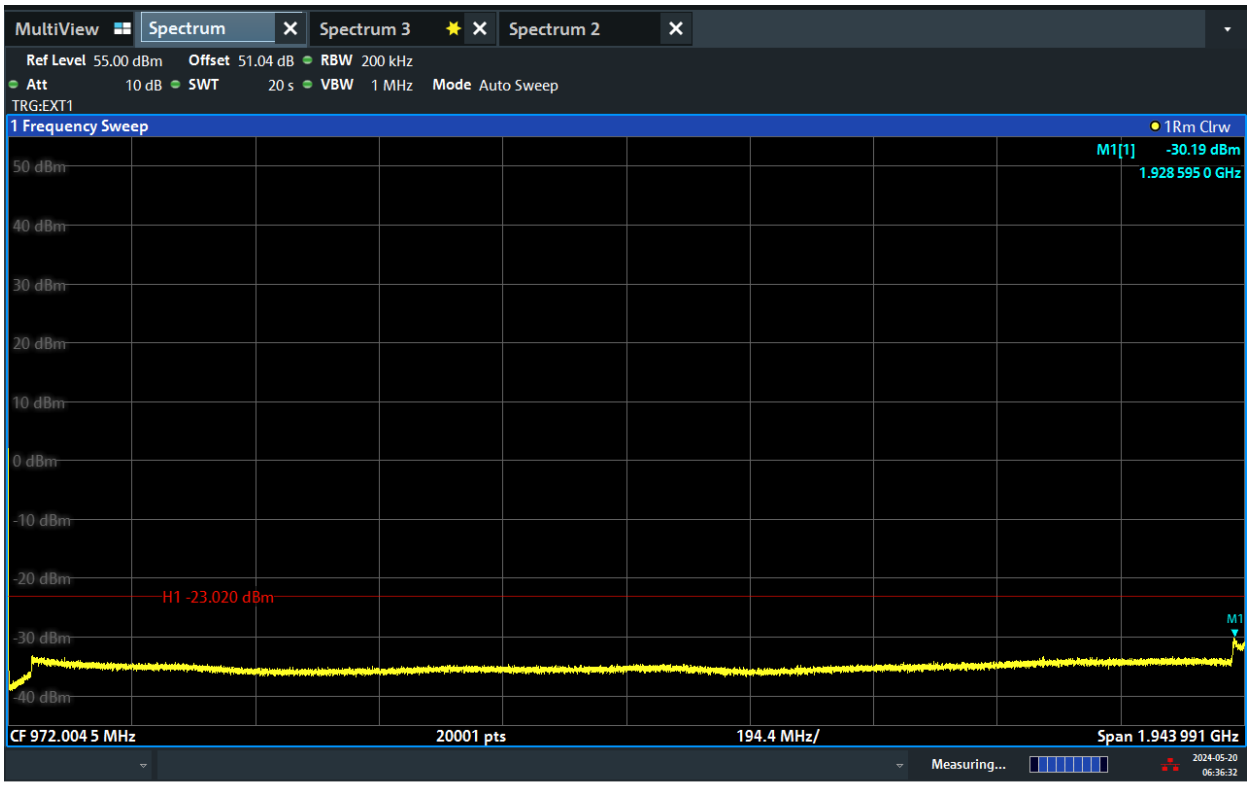
05:29:48 AM 05/21/2024



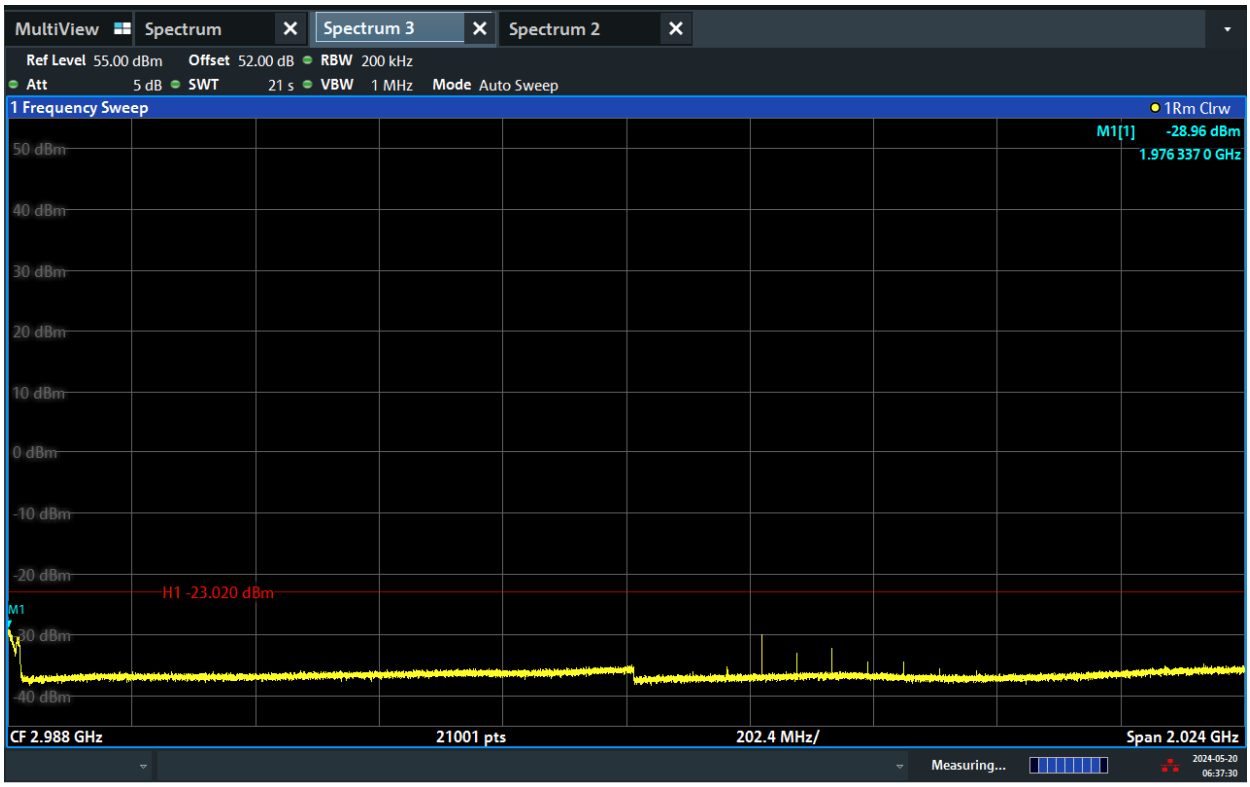
07:03:43 AM 05/21/2024

TEST REPORT

Channel Position M



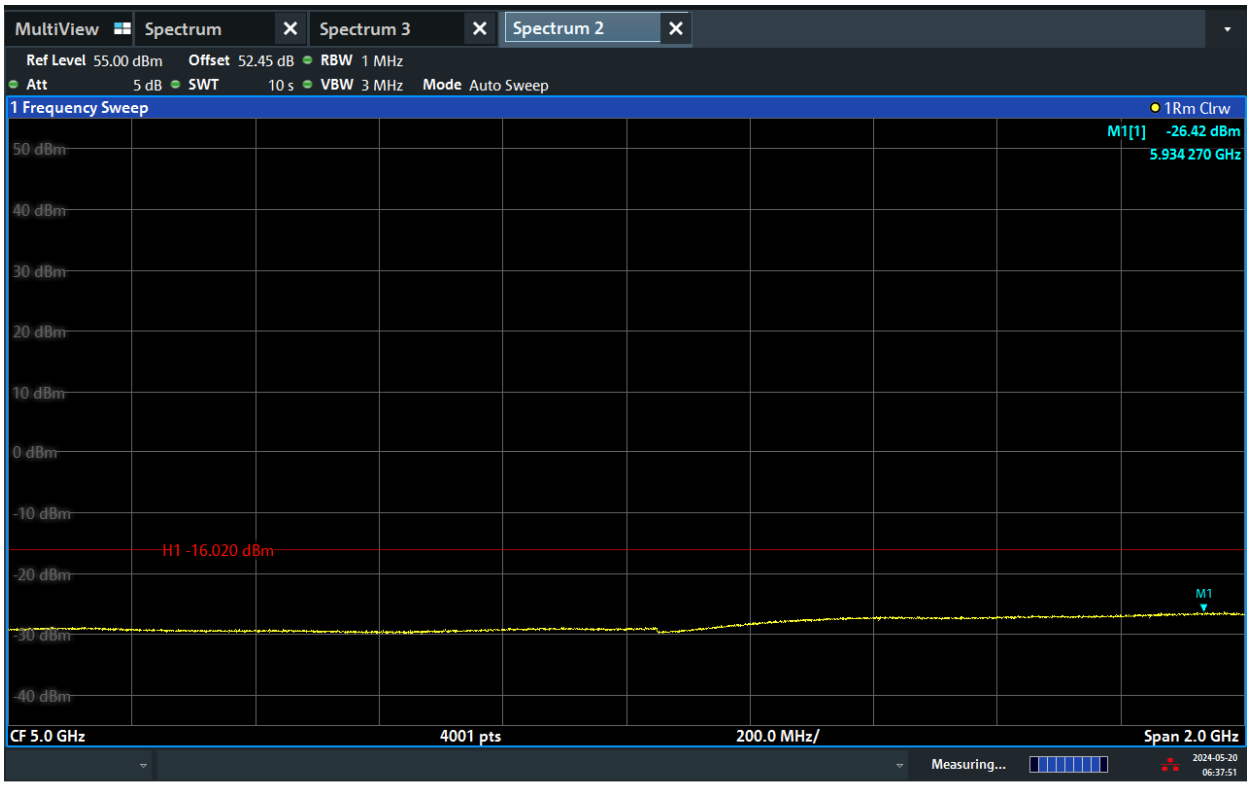
06:36:32 AM 05/20/2024



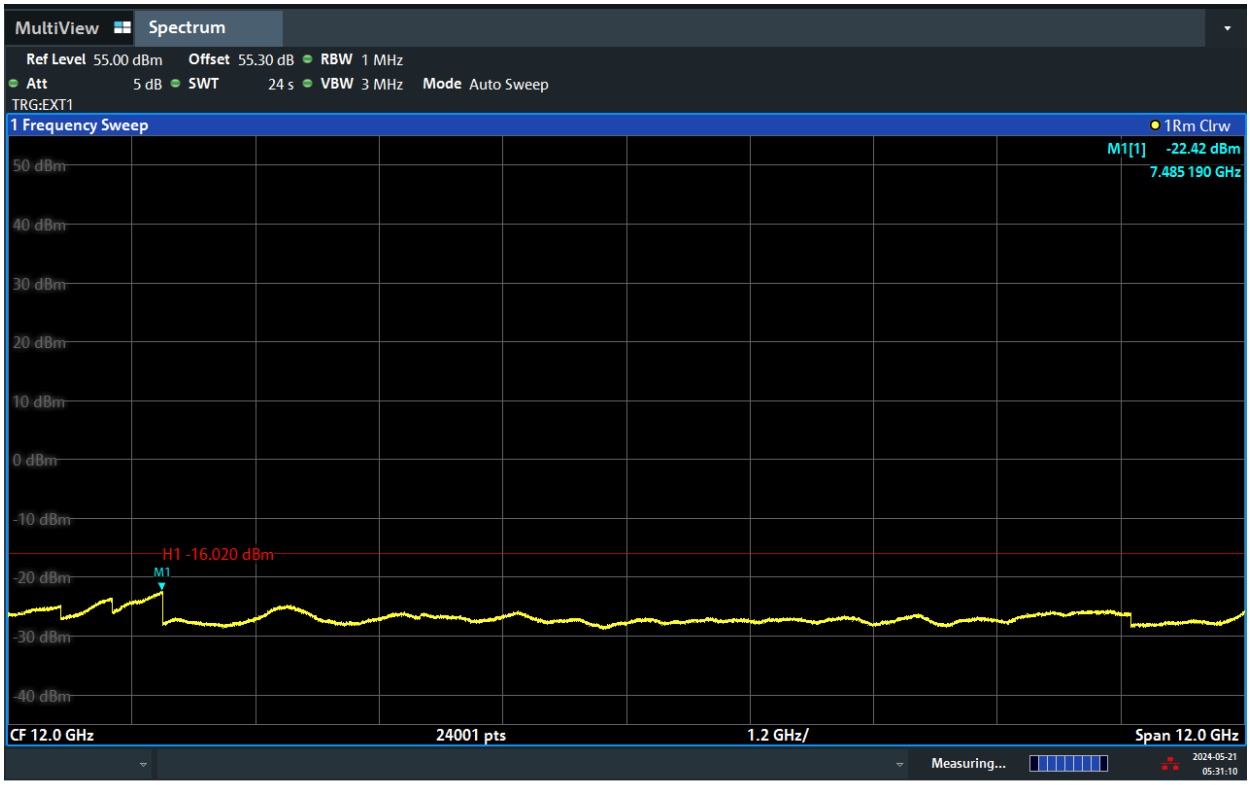
06:37:31 AM 05/20/2024

Total Quality. Assured.

TEST REPORT

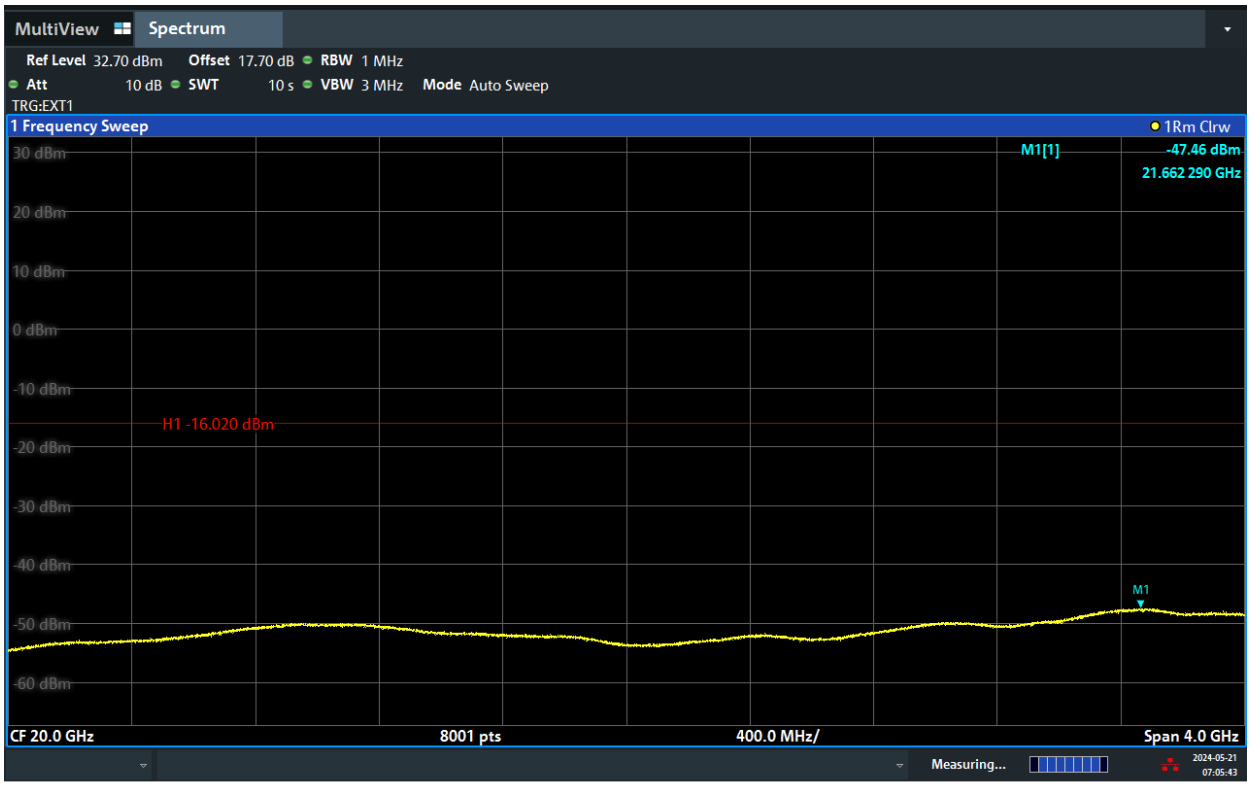


06:37:51 AM 05/20/2024



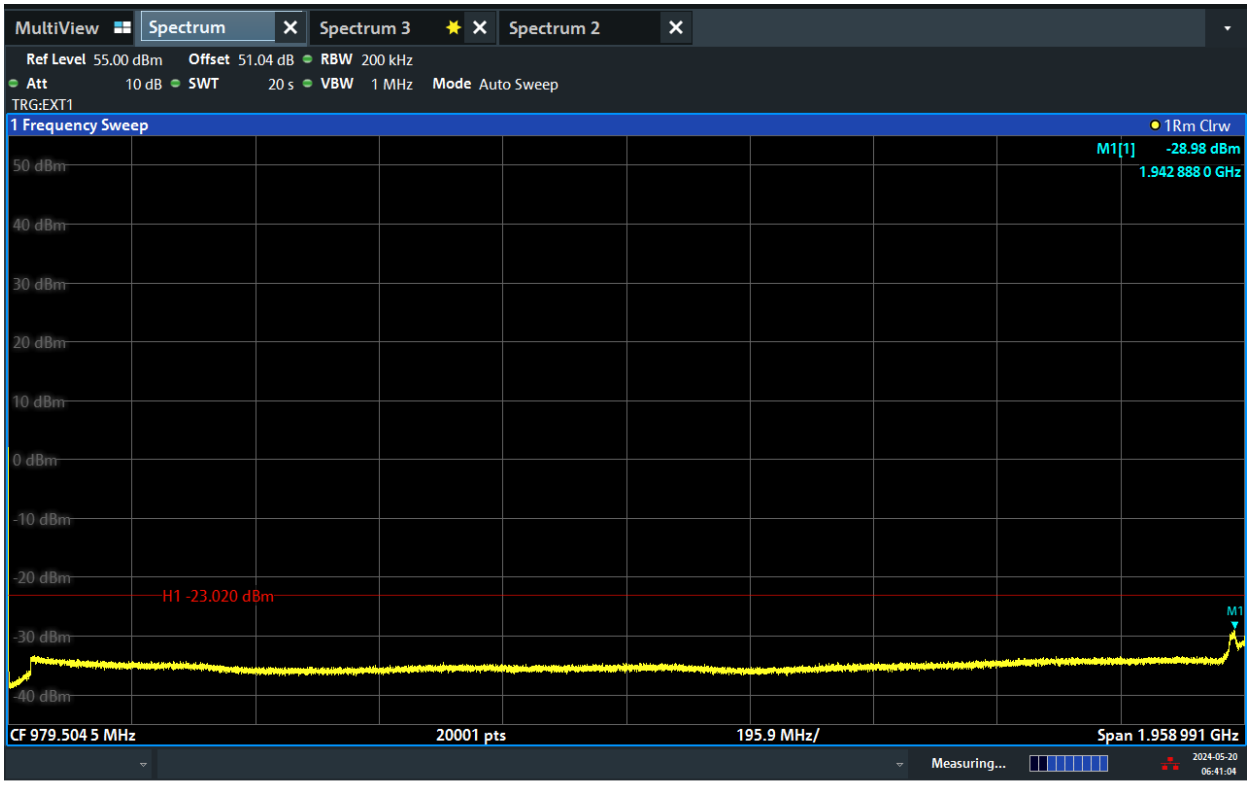
05:31:10 AM 05/21/2024

TEST REPORT



07:05:44 AM 05/21/2024

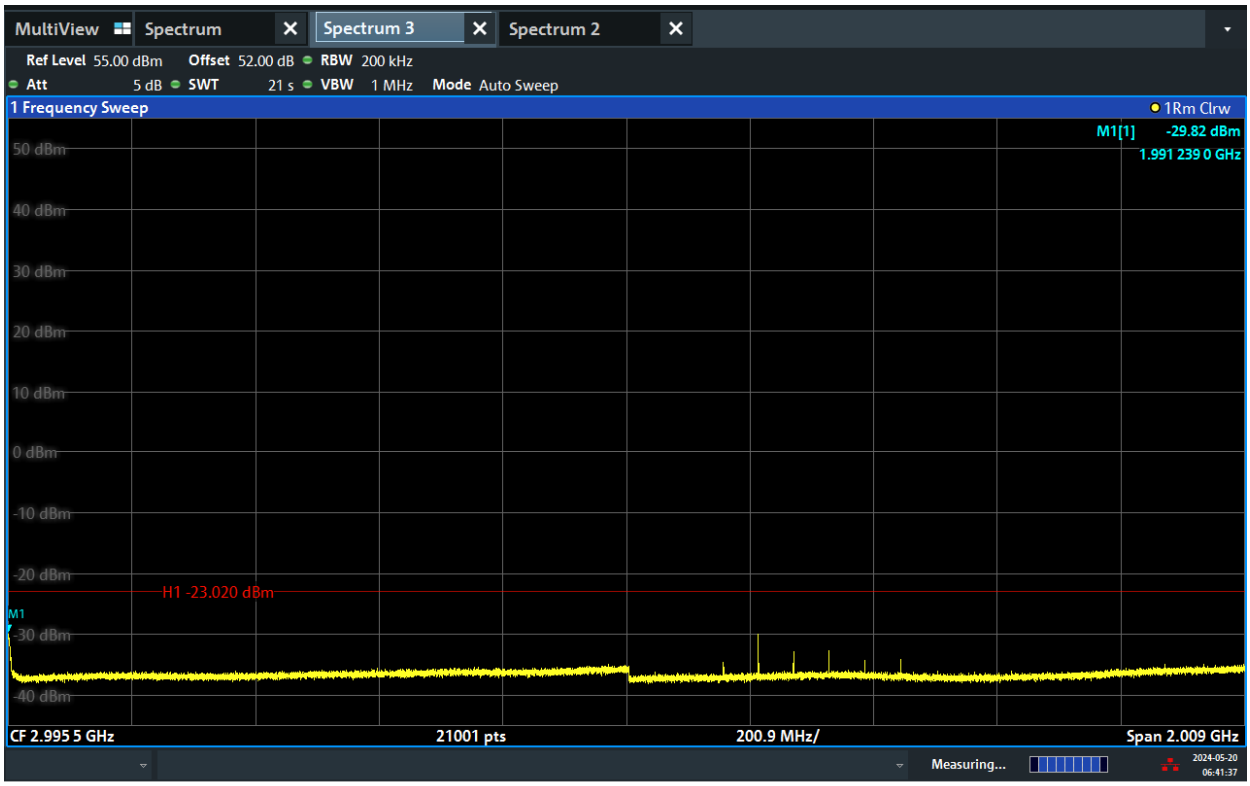
Channel Position T



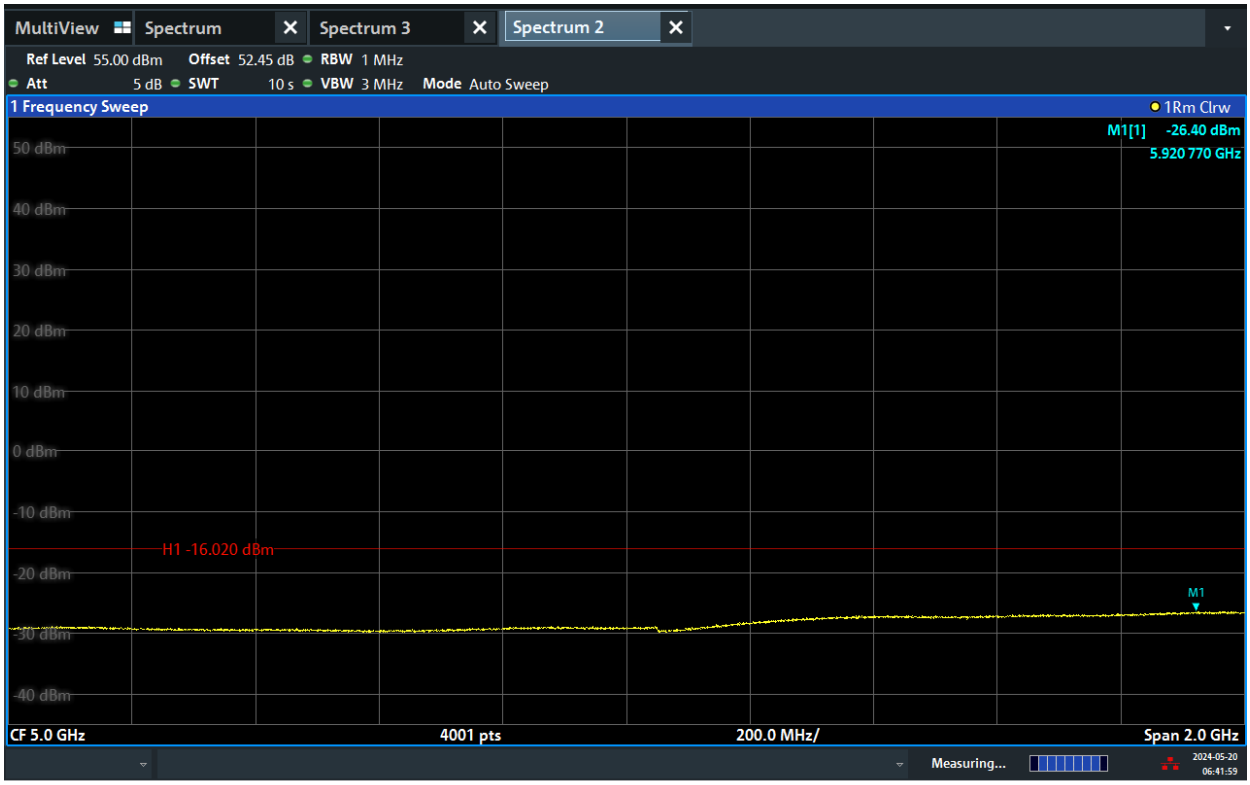
06:41:04 AM 05/20/2024

Total Quality. Assured.

TEST REPORT



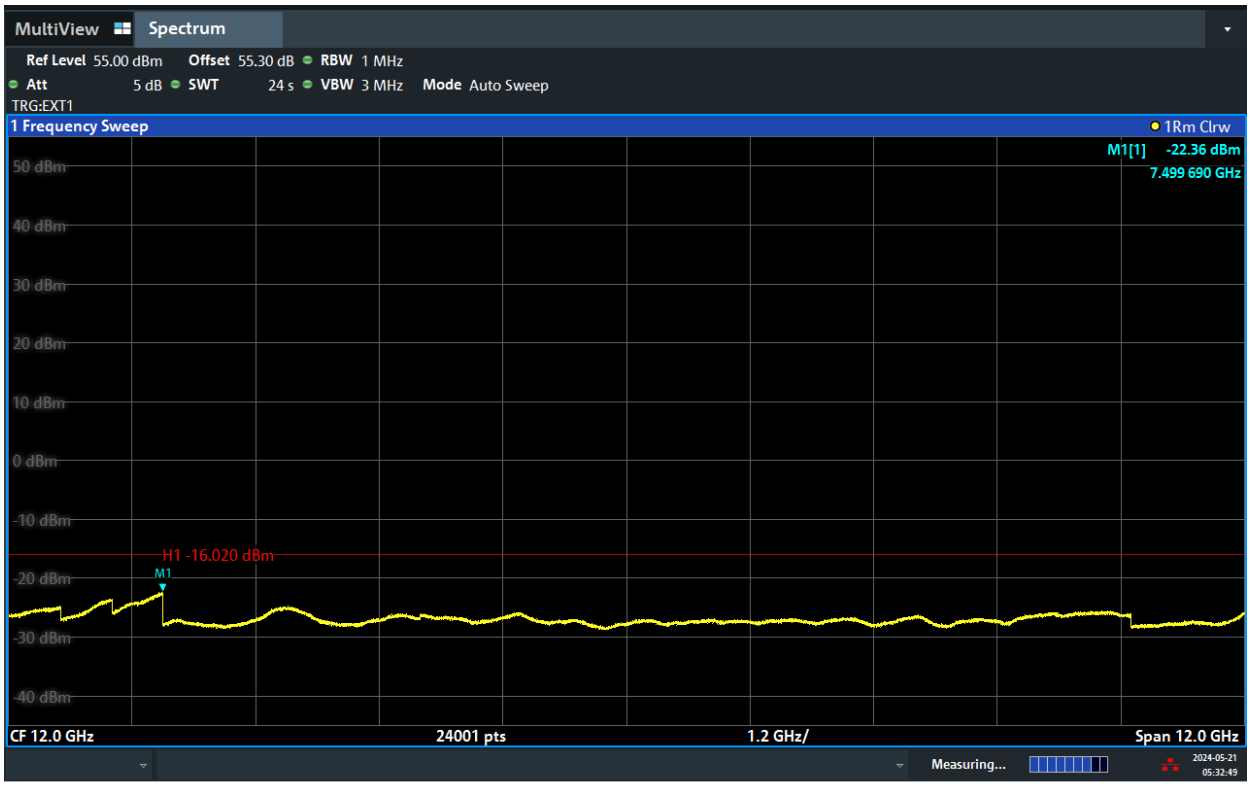
06:41:38 AM 05/20/2024



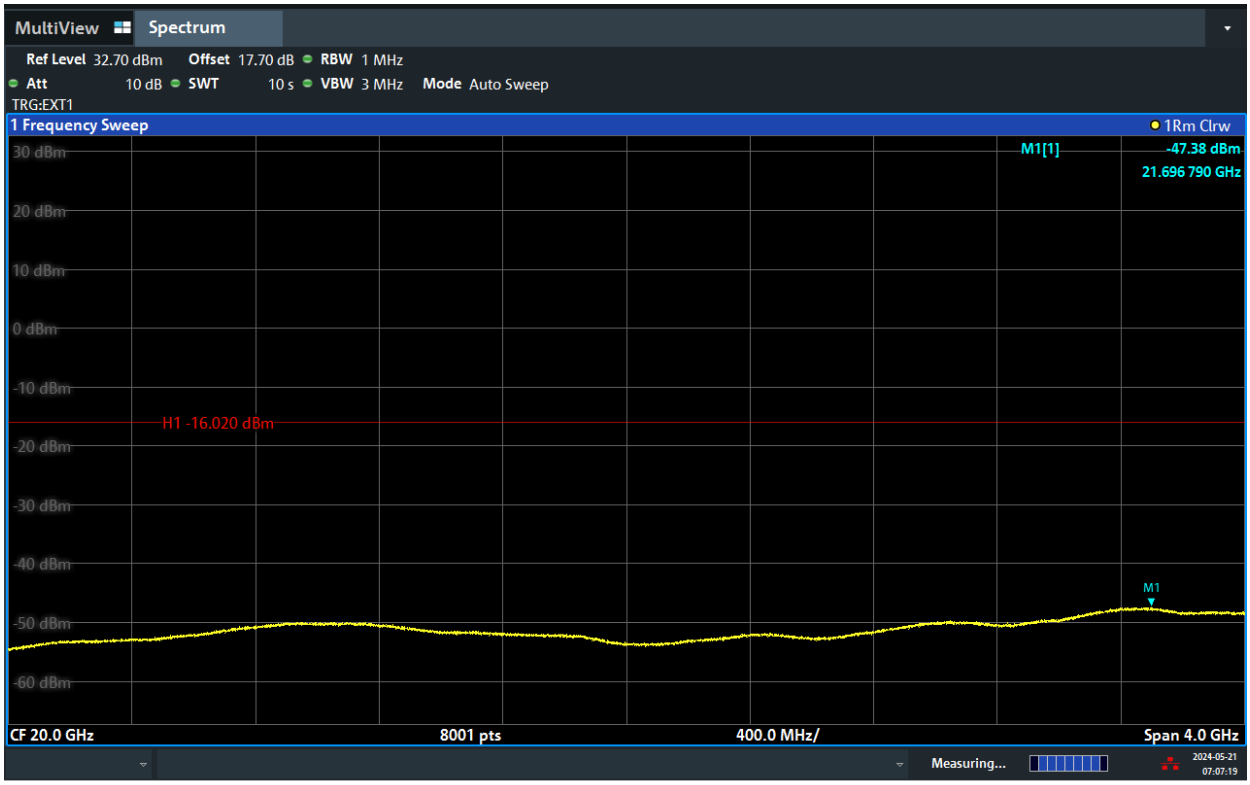
06:41:59 AM 05/20/2024

Total Quality. Assured.

TEST REPORT



05:32:50 AM 05/21/2024

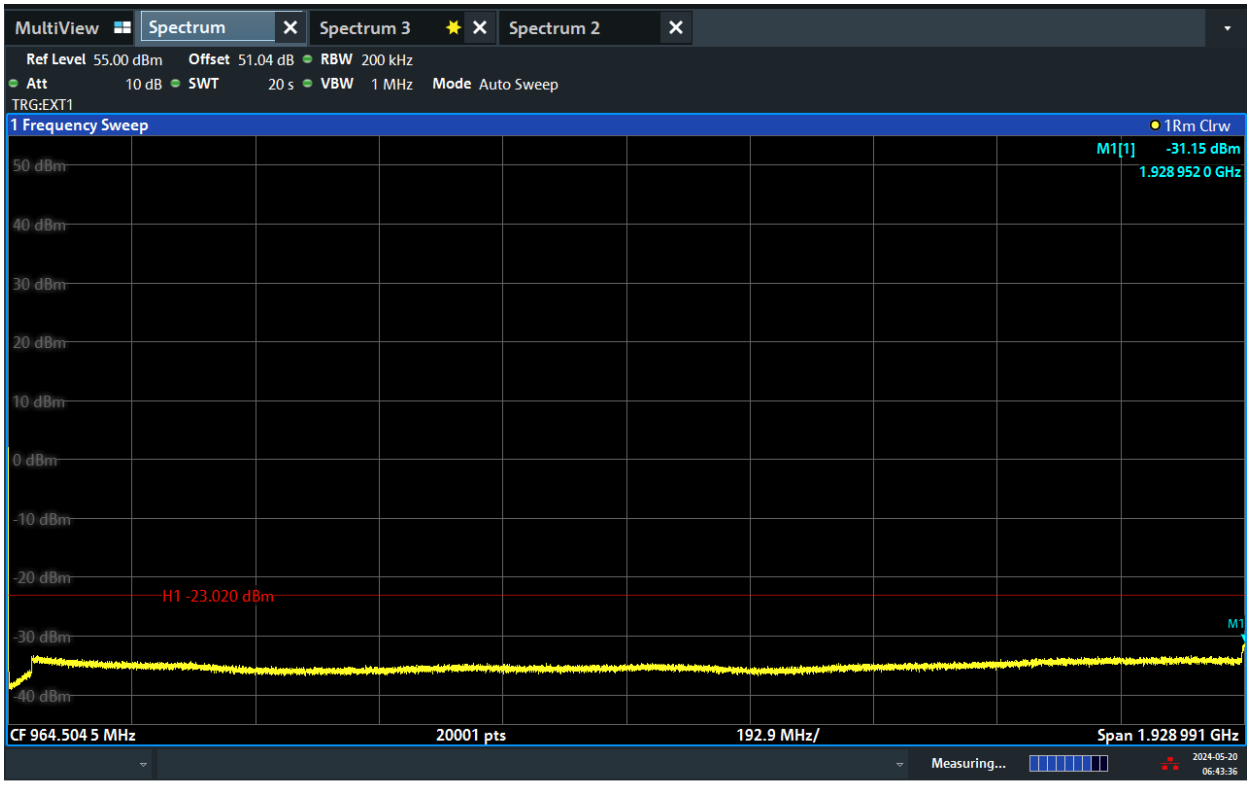


07:07:20 AM 05/21/2024

TEST REPORT

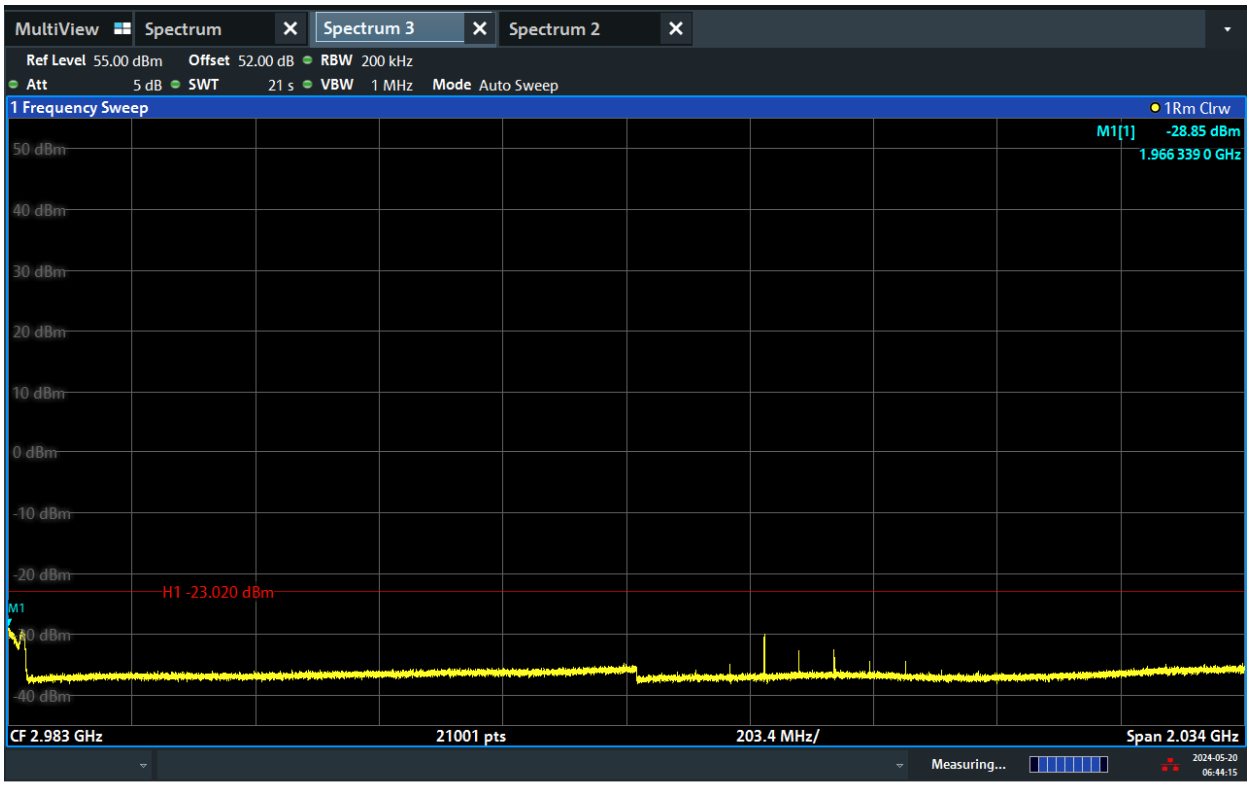
Antenna Port	Channel Position	Modulation	Carrier BW (MHz)
A	B	256QAM	35
A	M	256QAM	35
A	T	256QAM	35

Channel Position B

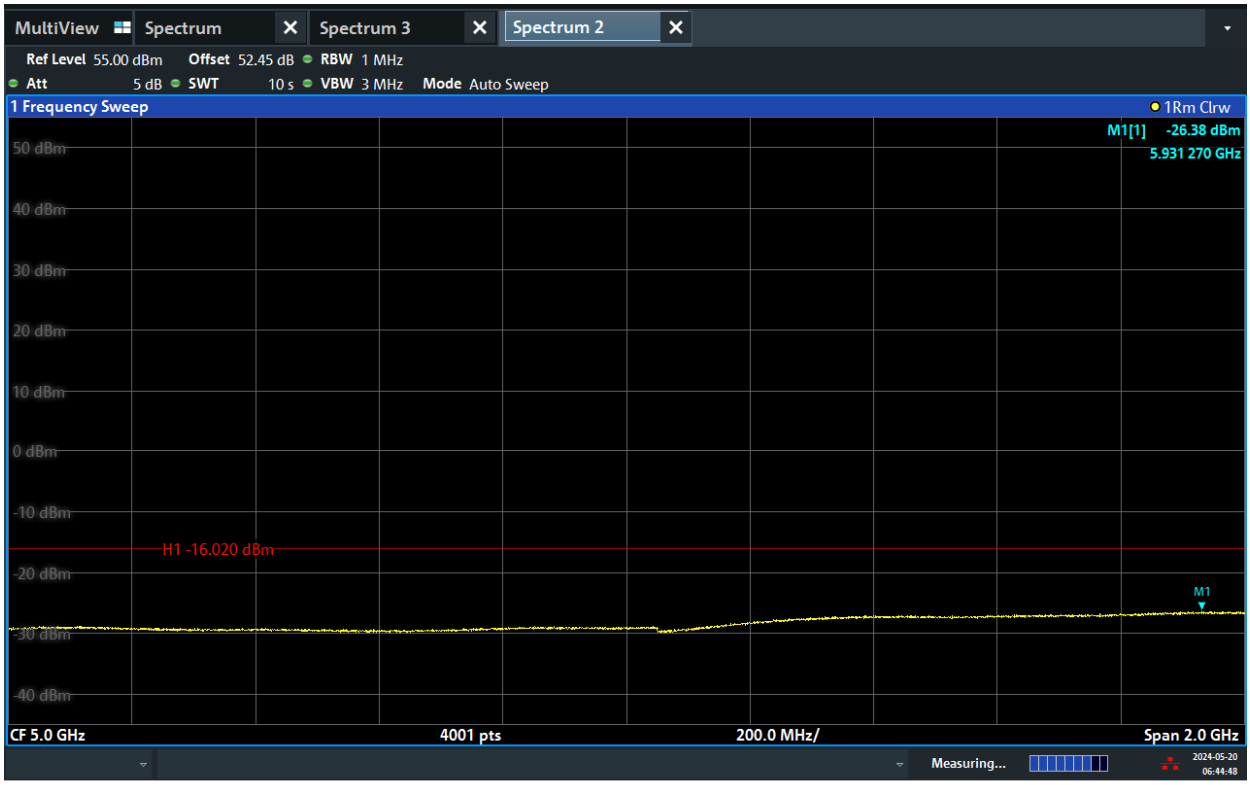


Total Quality. Assured.

TEST REPORT



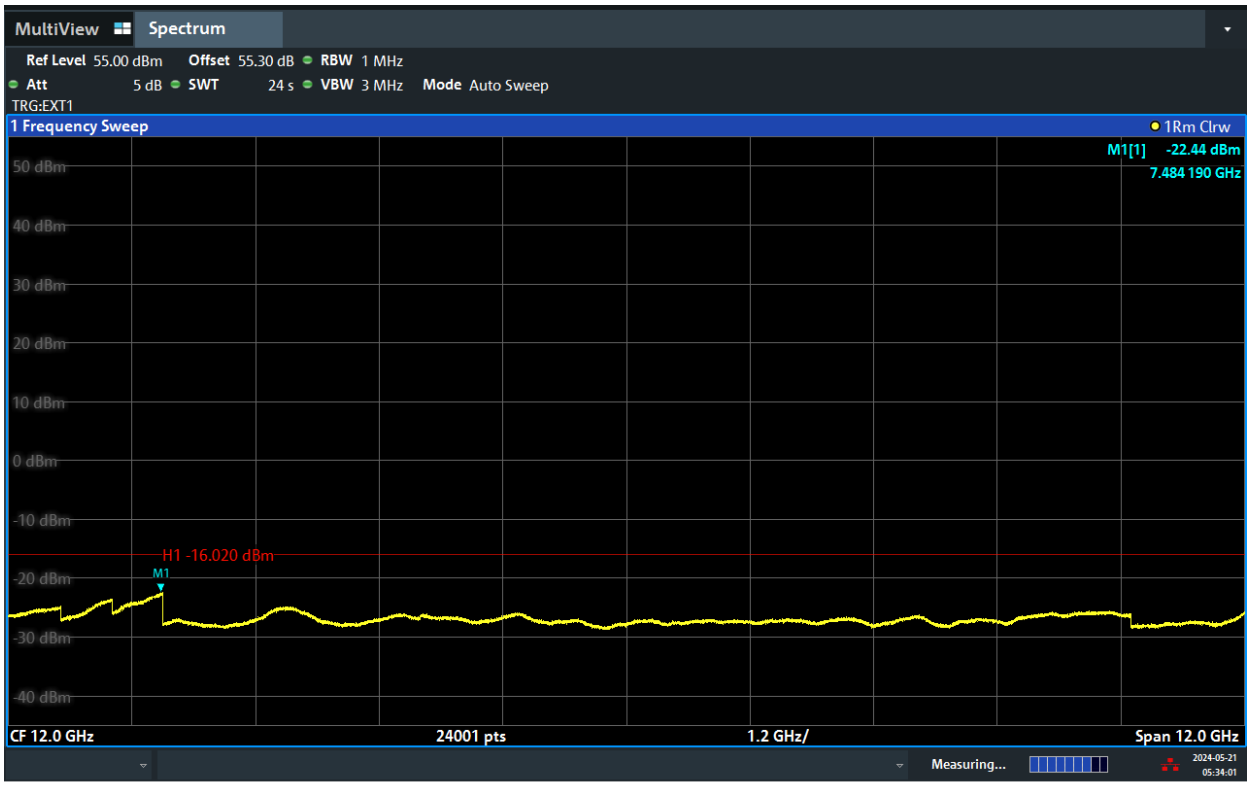
06:44:16 AM 05/20/2024



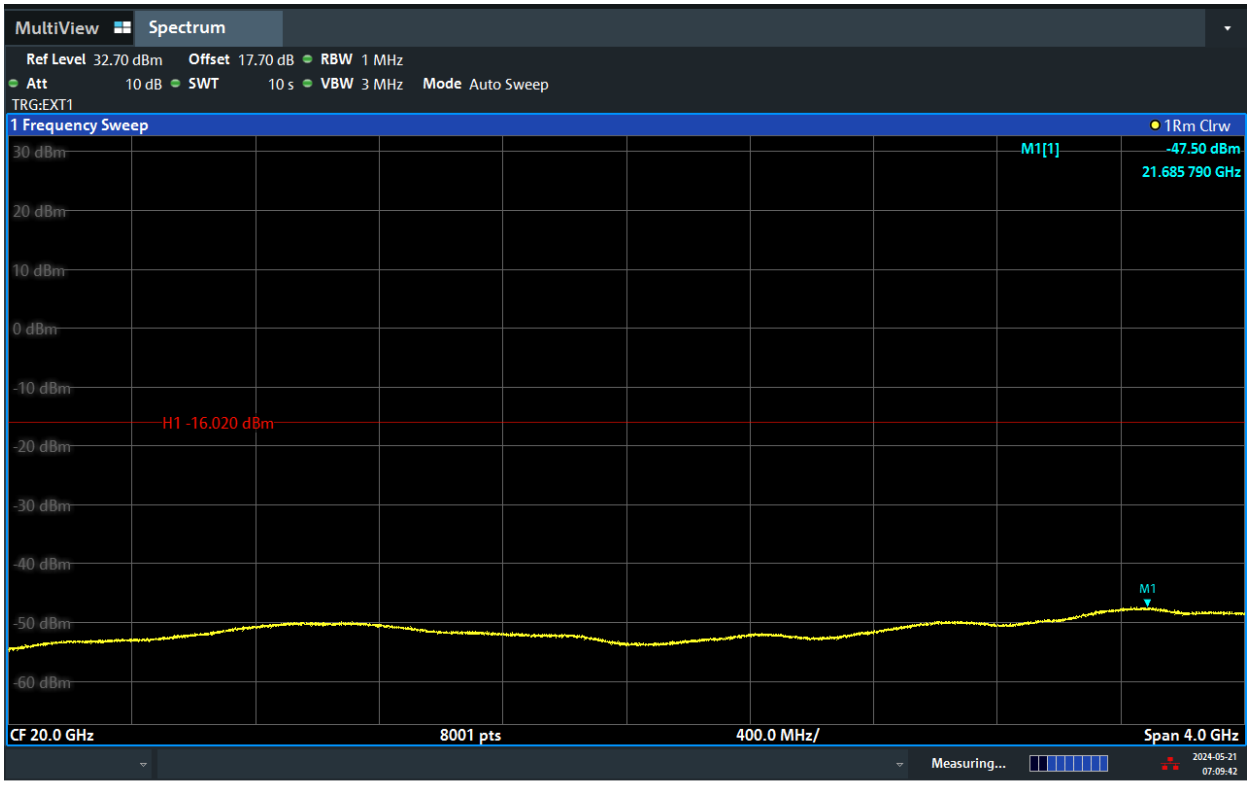
06:44:49 AM 05/20/2024

Total Quality. Assured.

TEST REPORT



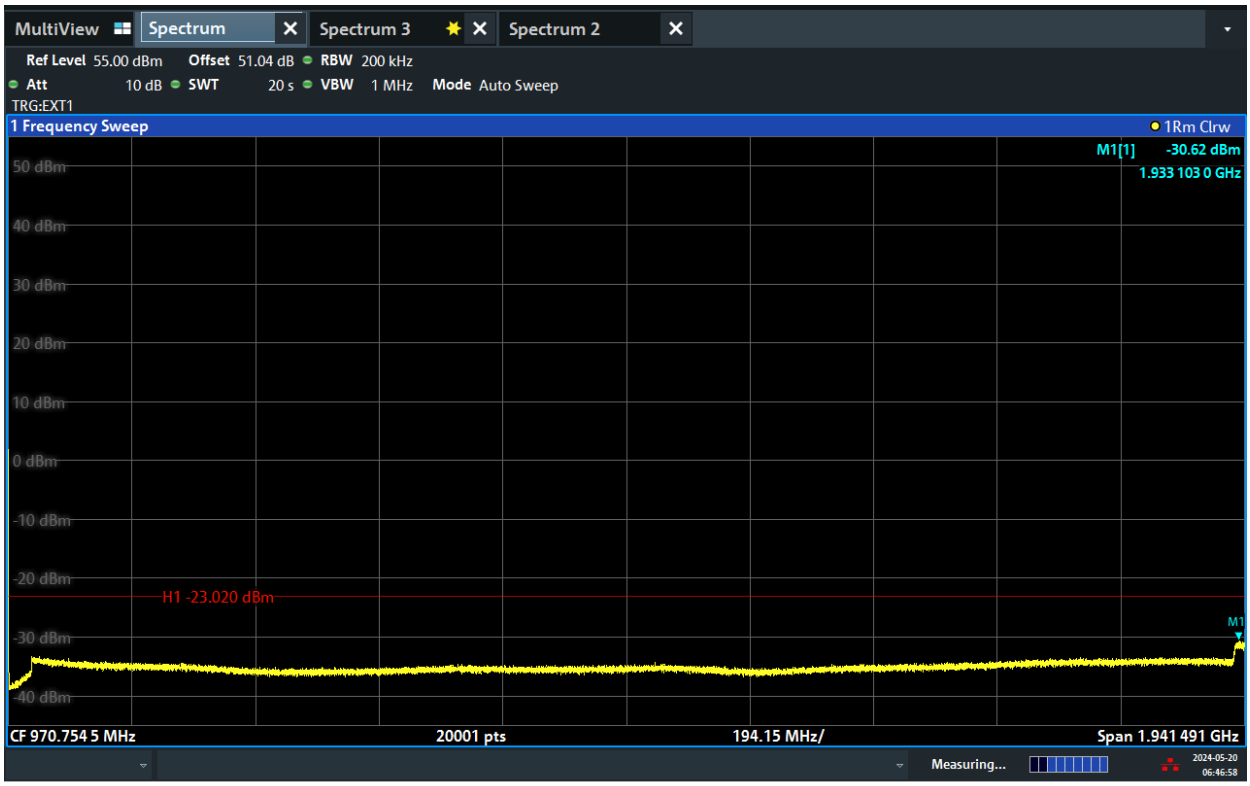
05:34:02 AM 05/21/2024



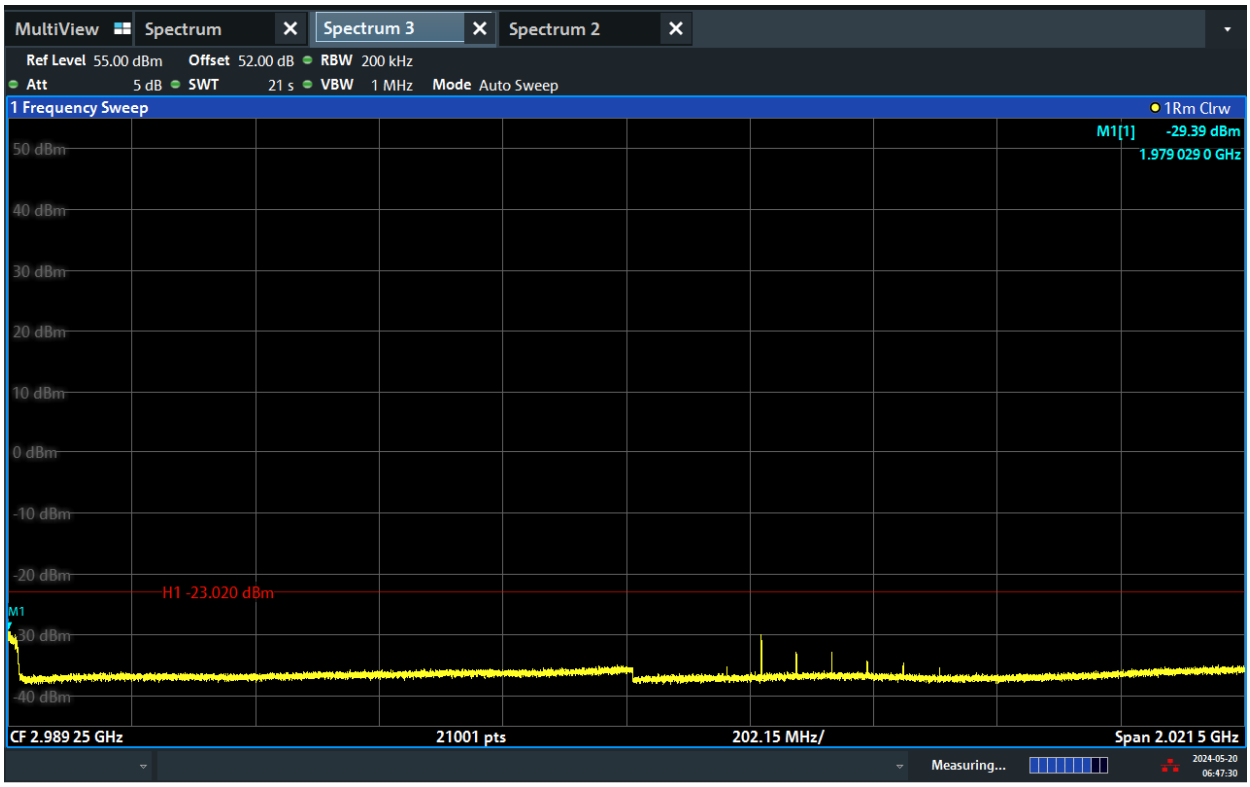
07:09:42 AM 05/21/2024

TEST REPORT

Channel Position M



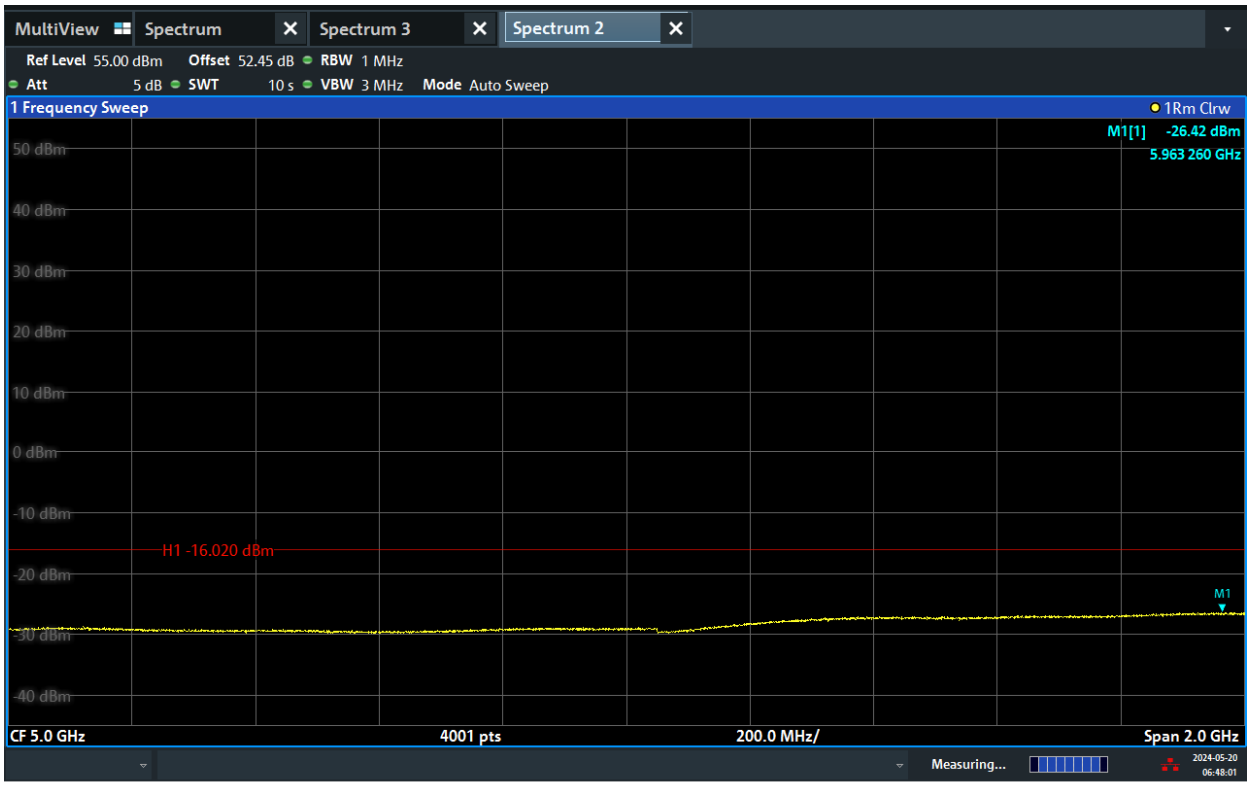
06:46:59 AM 05/20/2024



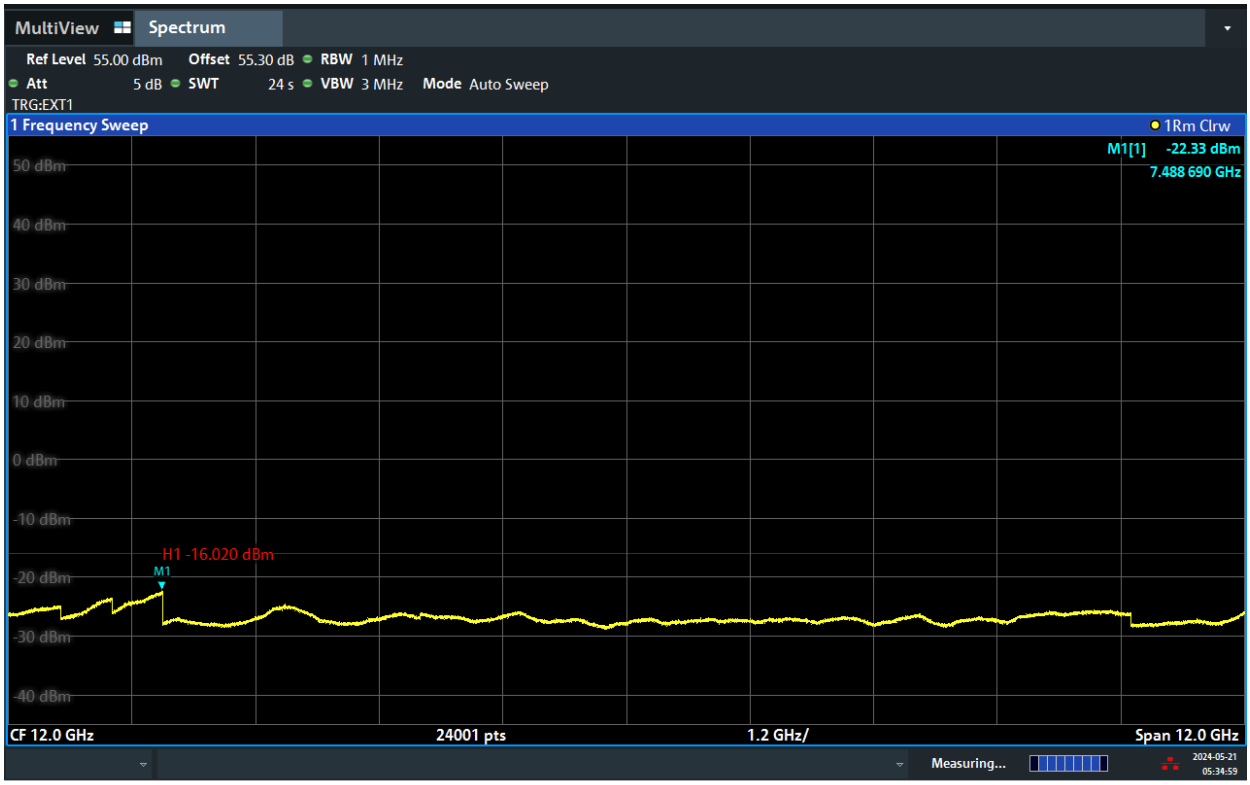
06:47:31 AM 05/20/2024

Total Quality. Assured.

TEST REPORT

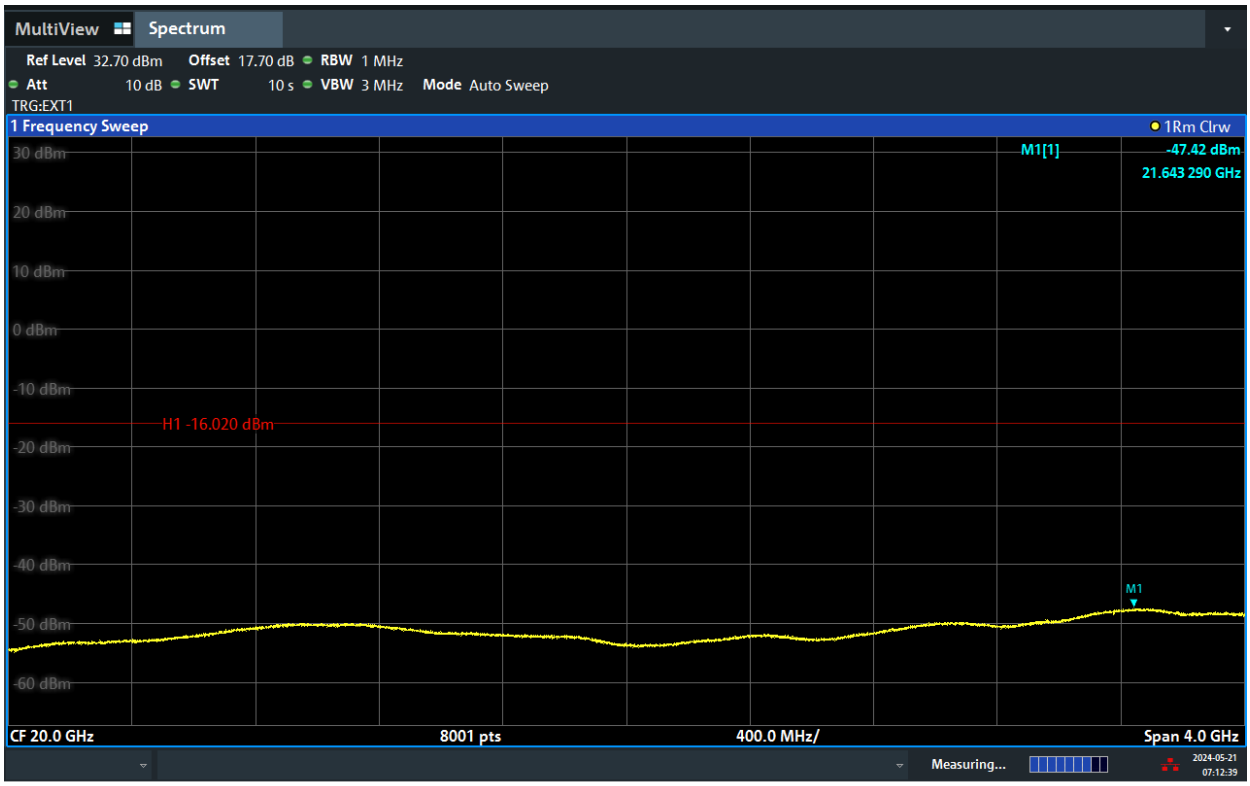


06:48:02 AM 05/20/2024



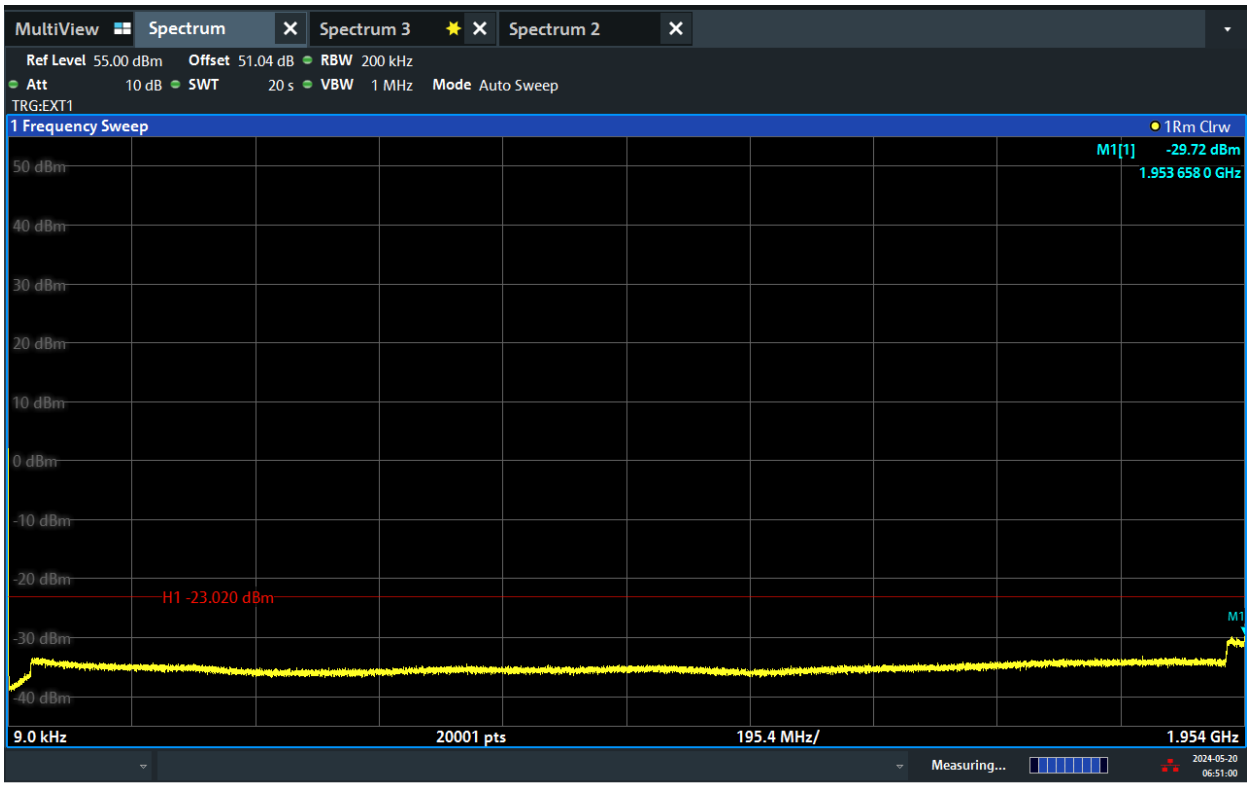
05:34:59 AM 05/21/2024

TEST REPORT



07:12:40 AM 05/21/2024

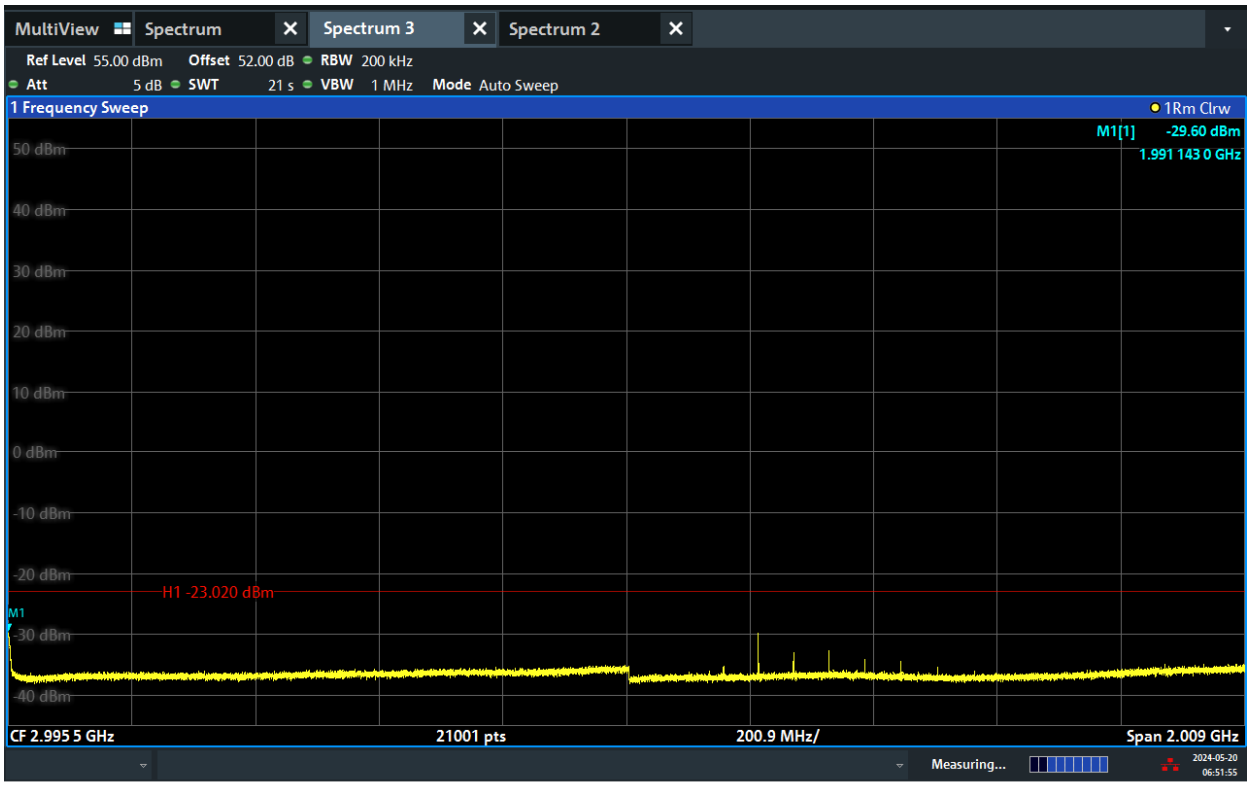
Channel Position T



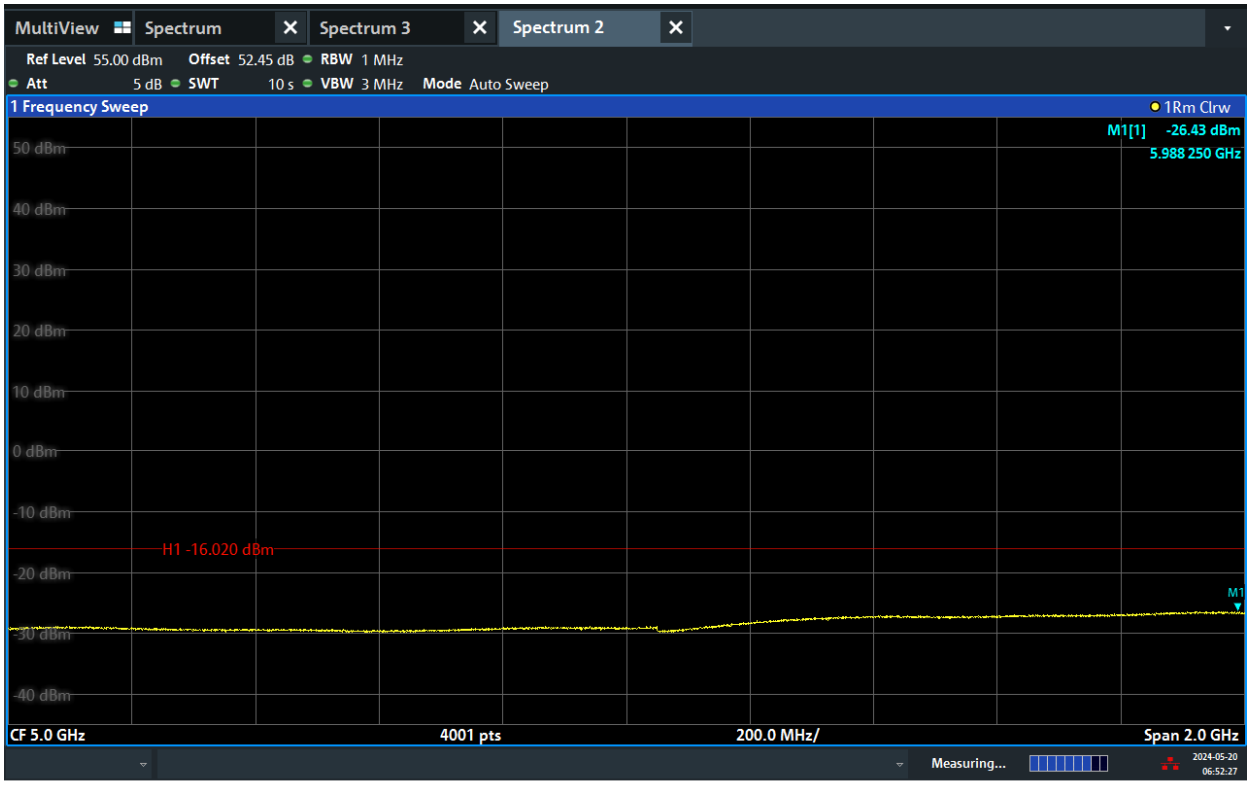
06:51:01 AM 05/20/2024

Total Quality. Assured.

TEST REPORT

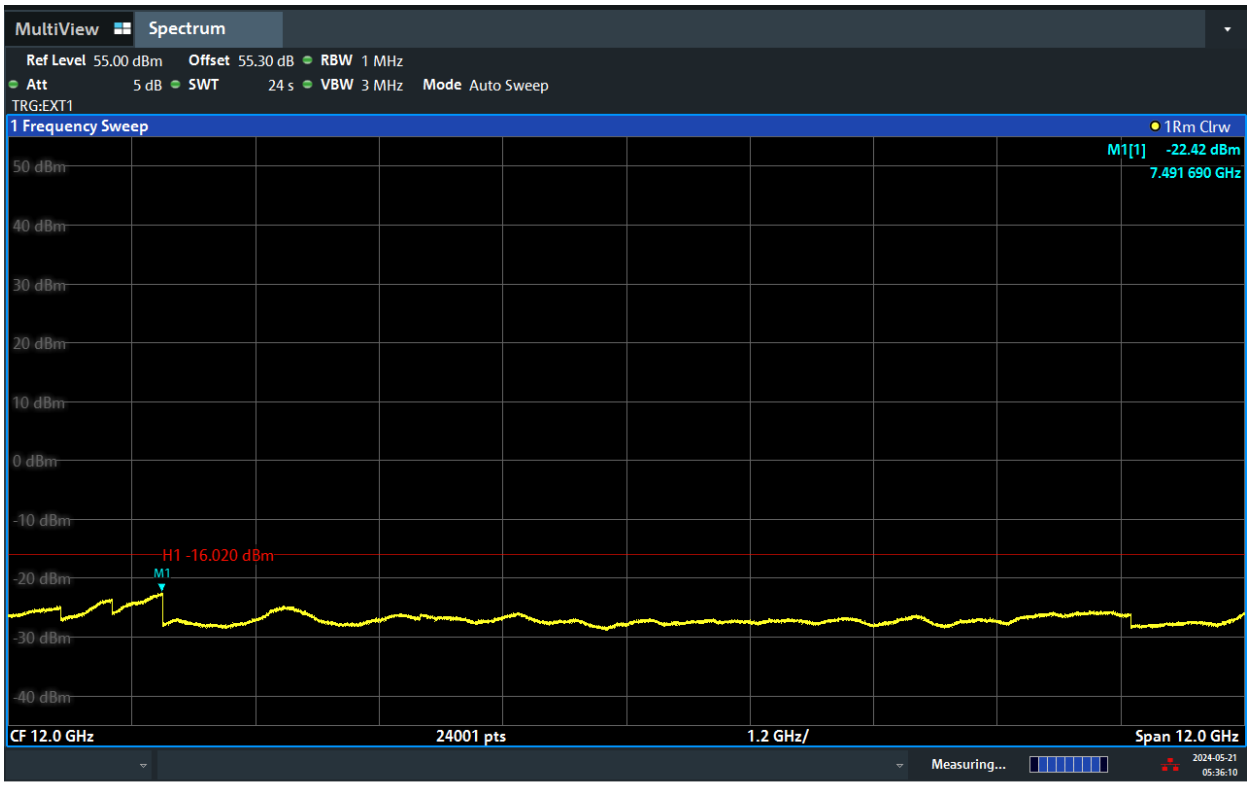


06:51:56 AM 05/20/2024

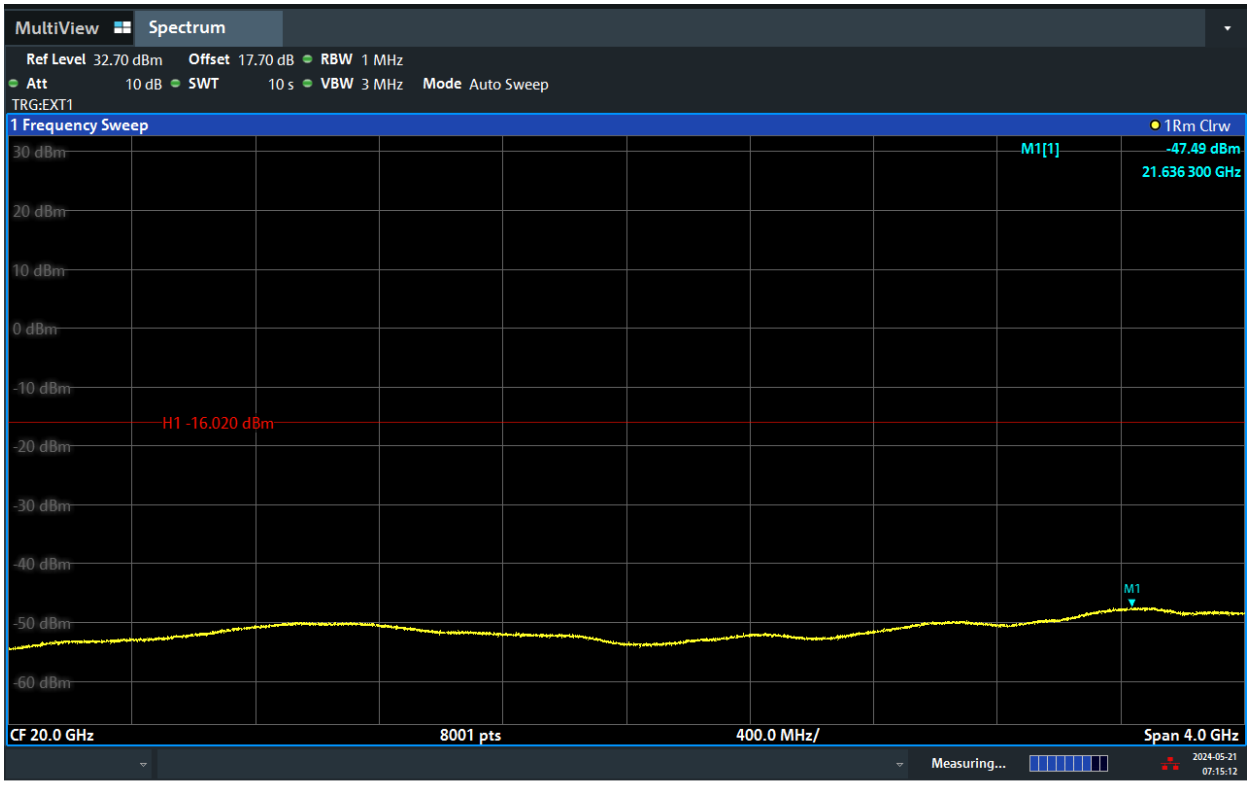


06:52:27 AM 05/20/2024

TEST REPORT



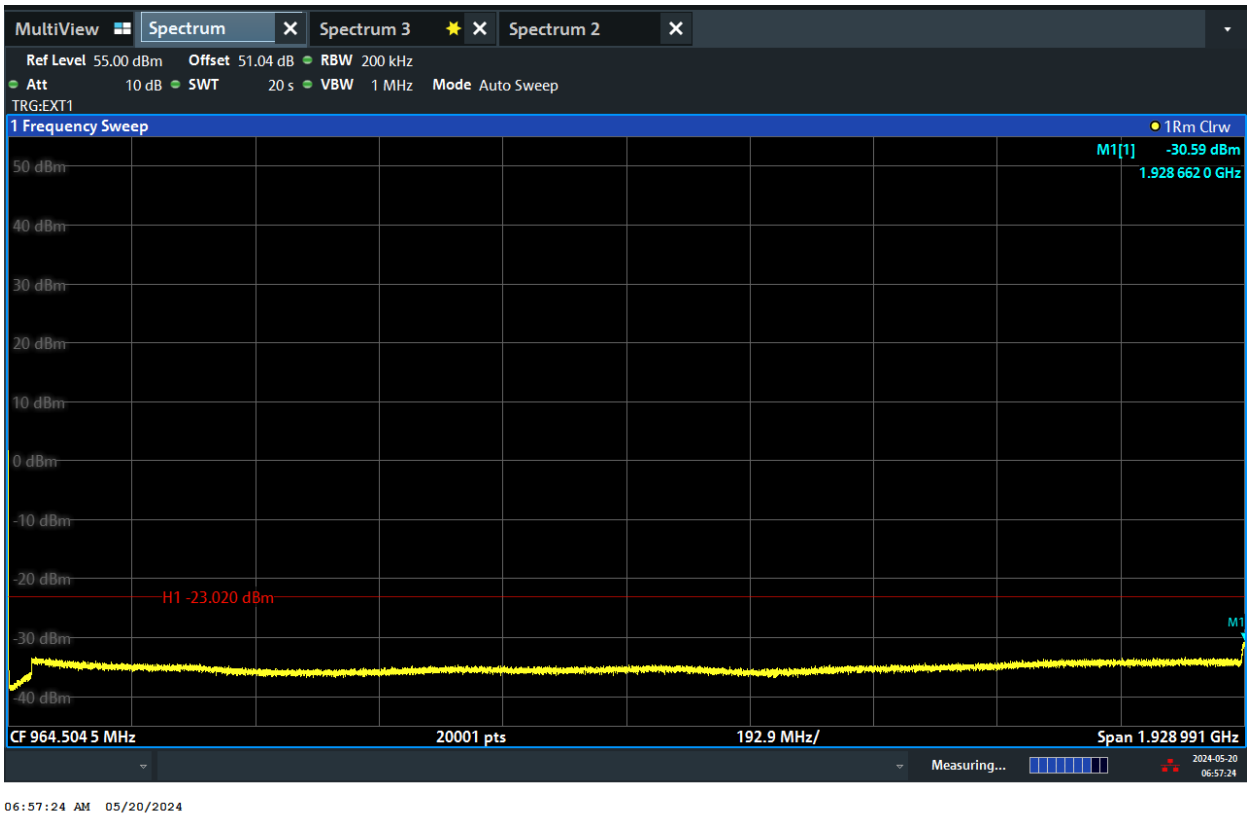
05:36:11 AM 05/21/2024



07:15:13 AM 05/21/2024

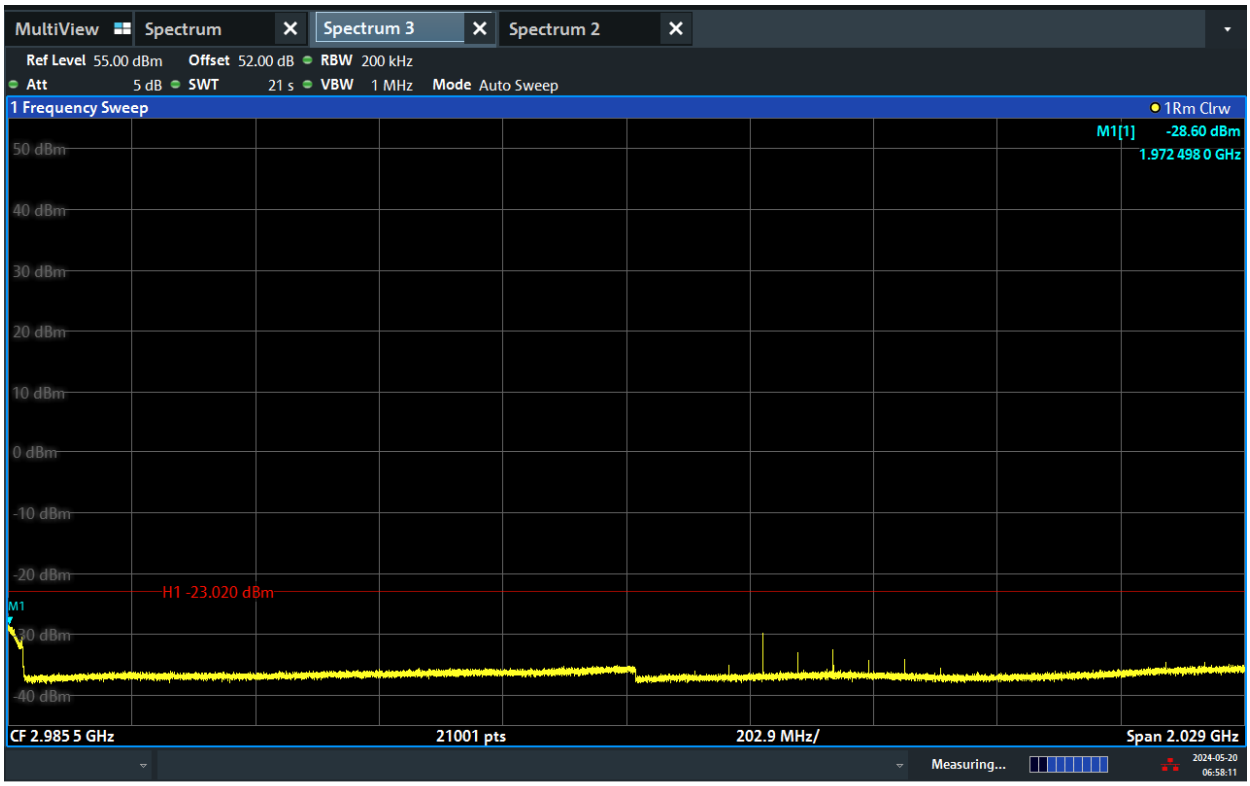
Antenna Port	Channel Position	Modulation	Carrier BW (MHz)
A	B	256QAM	40
A	M	256QAM	40
A	T	256QAM	40

Channel Position B

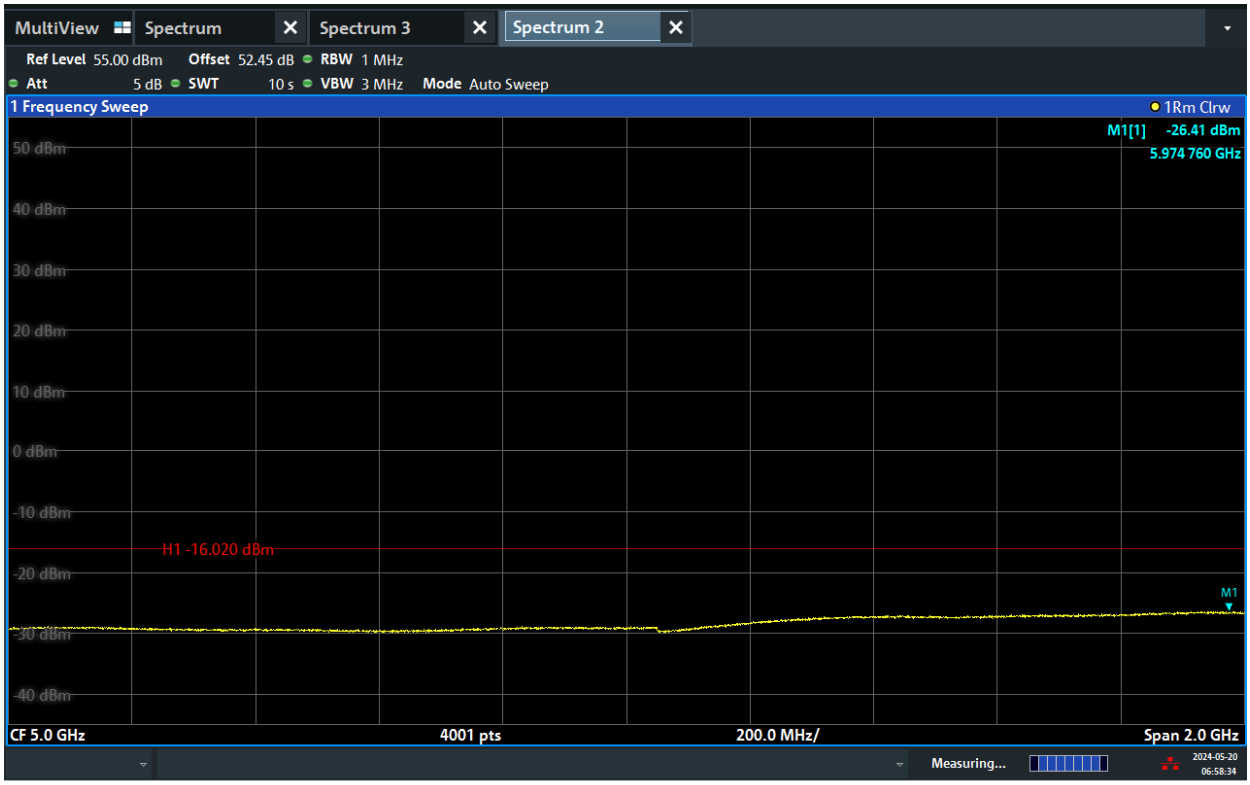


Total Quality. Assured.

TEST REPORT



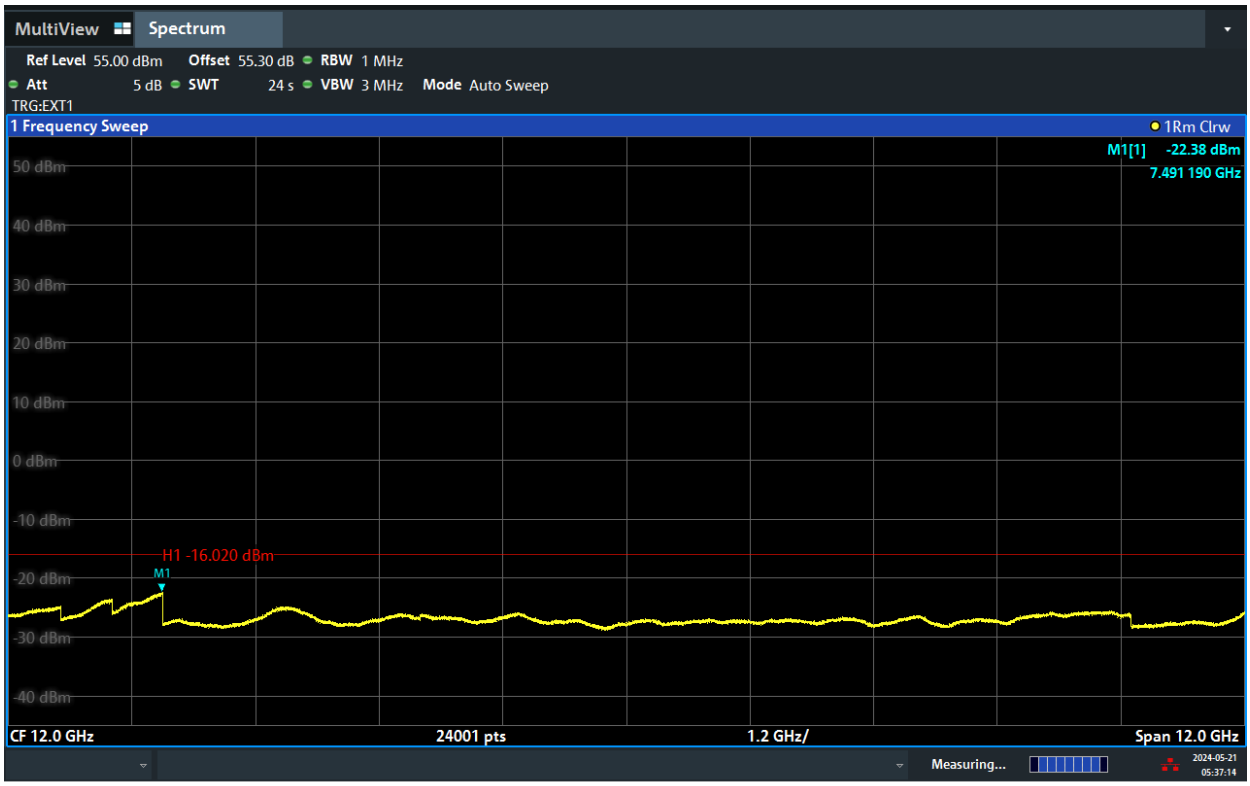
06:58:12 AM 05/20/2024



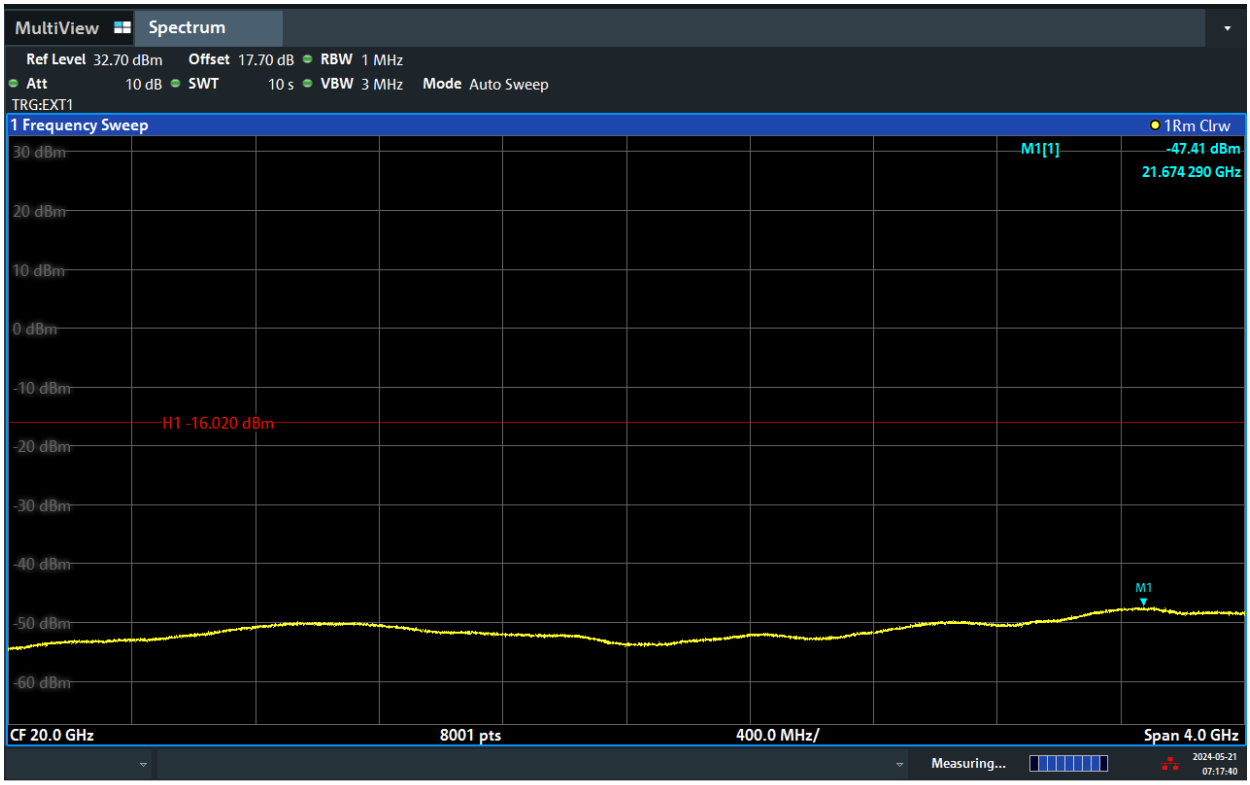
06:58:35 AM 05/20/2024

Total Quality. Assured.

TEST REPORT



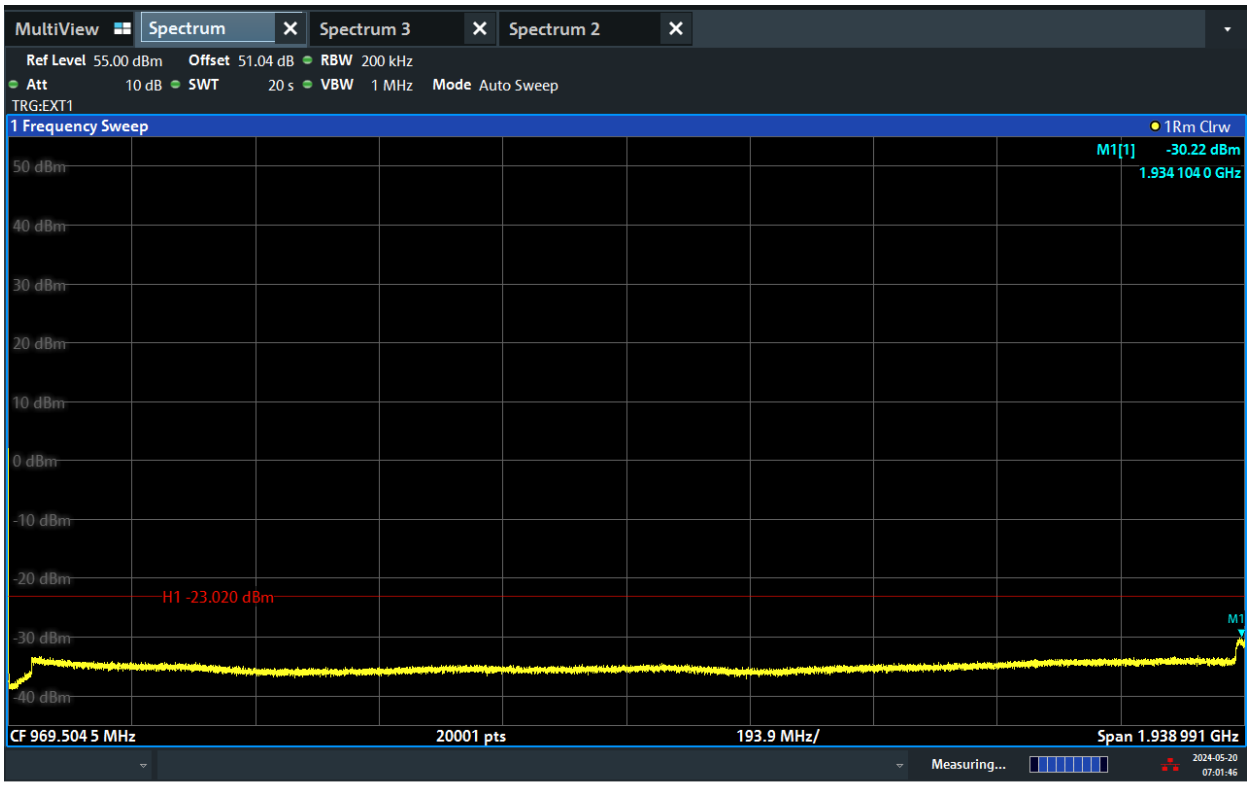
05:37:14 AM 05/21/2024



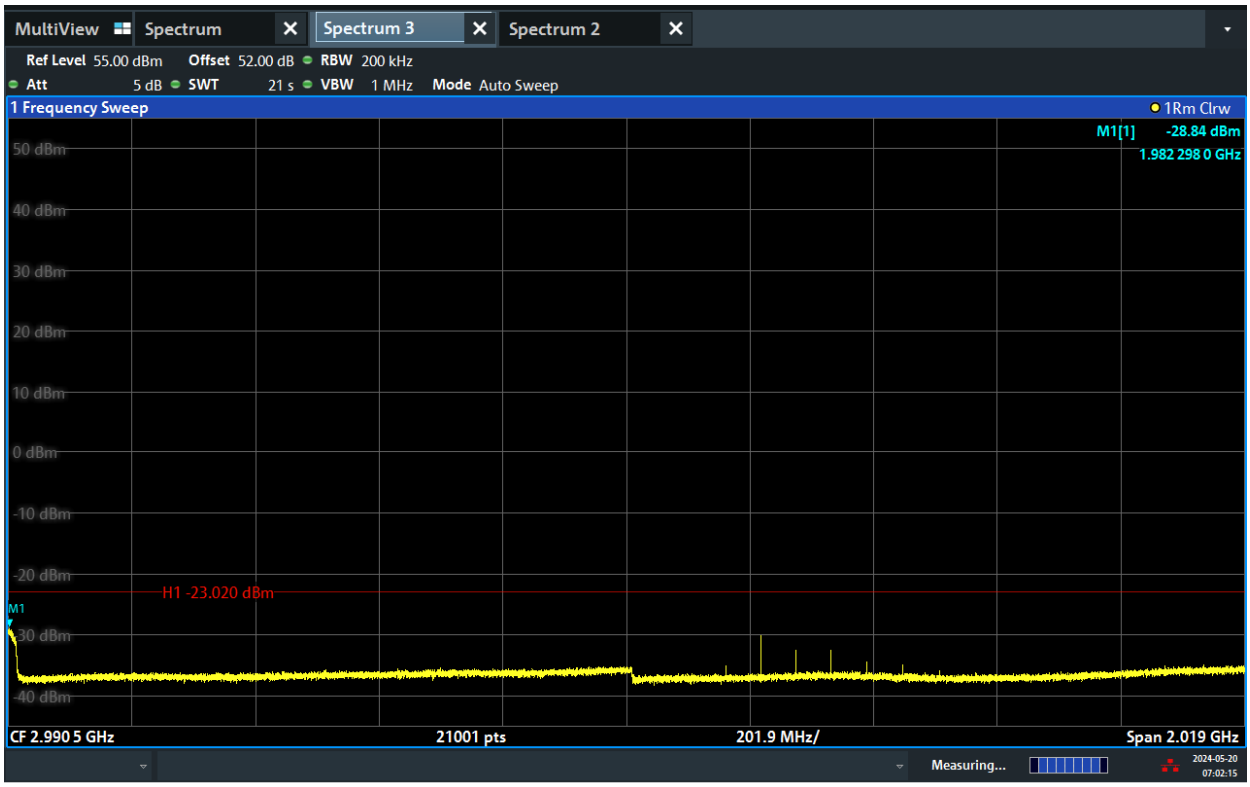
07:17:40 AM 05/21/2024

TEST REPORT

Channel Position M



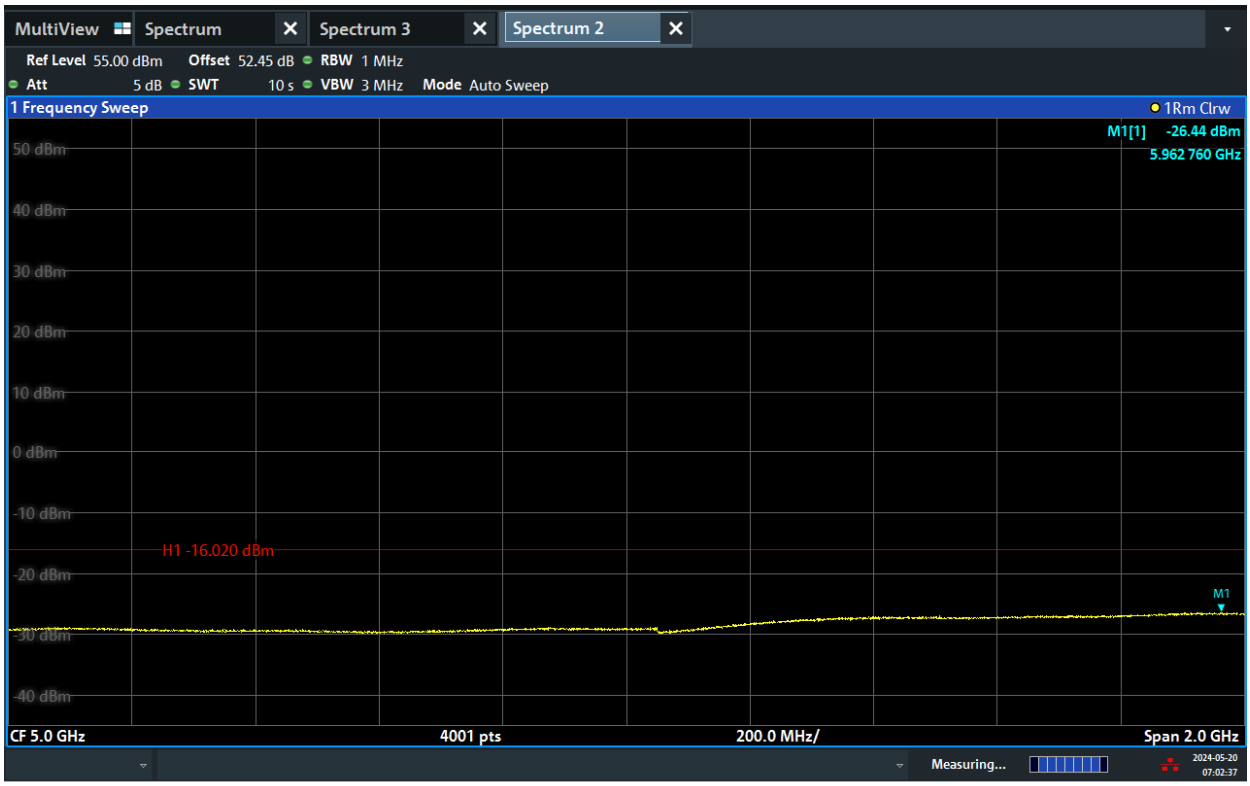
07:01:46 AM 05/20/2024



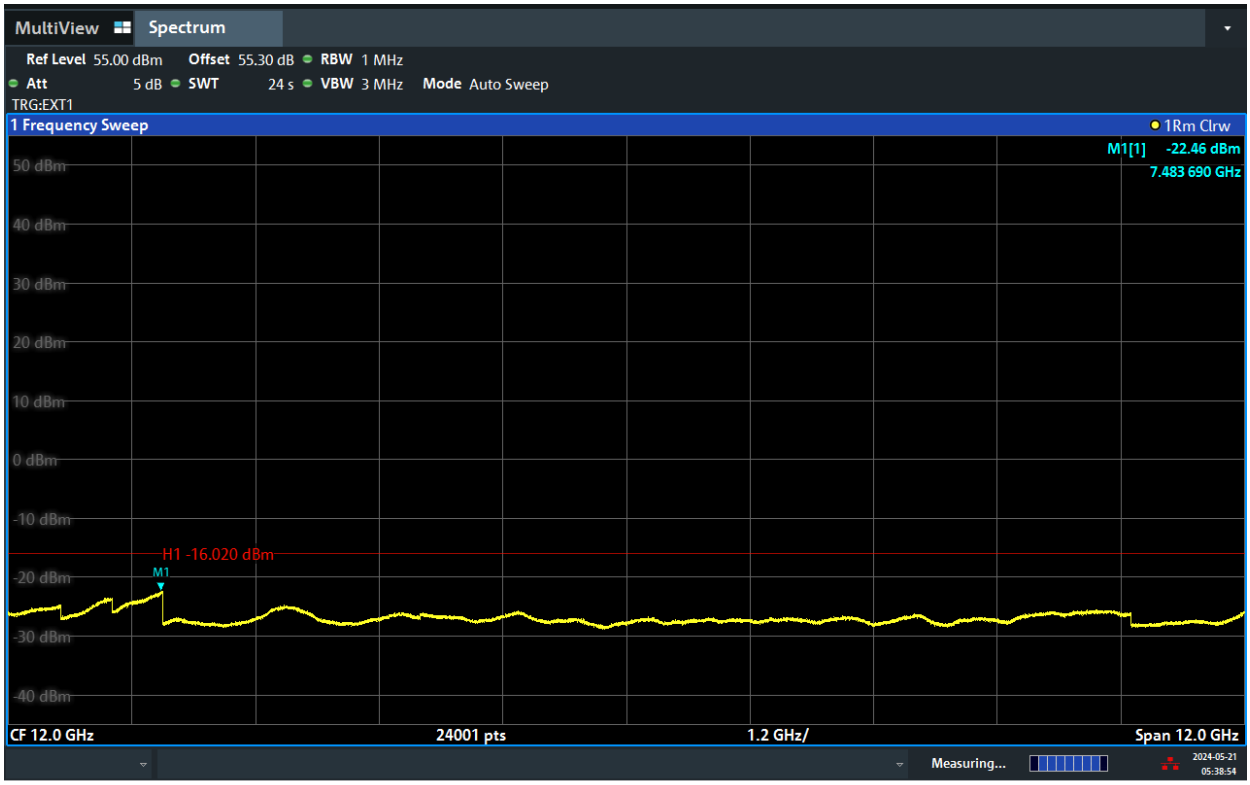
07:02:16 AM 05/20/2024

Total Quality. Assured.

TEST REPORT

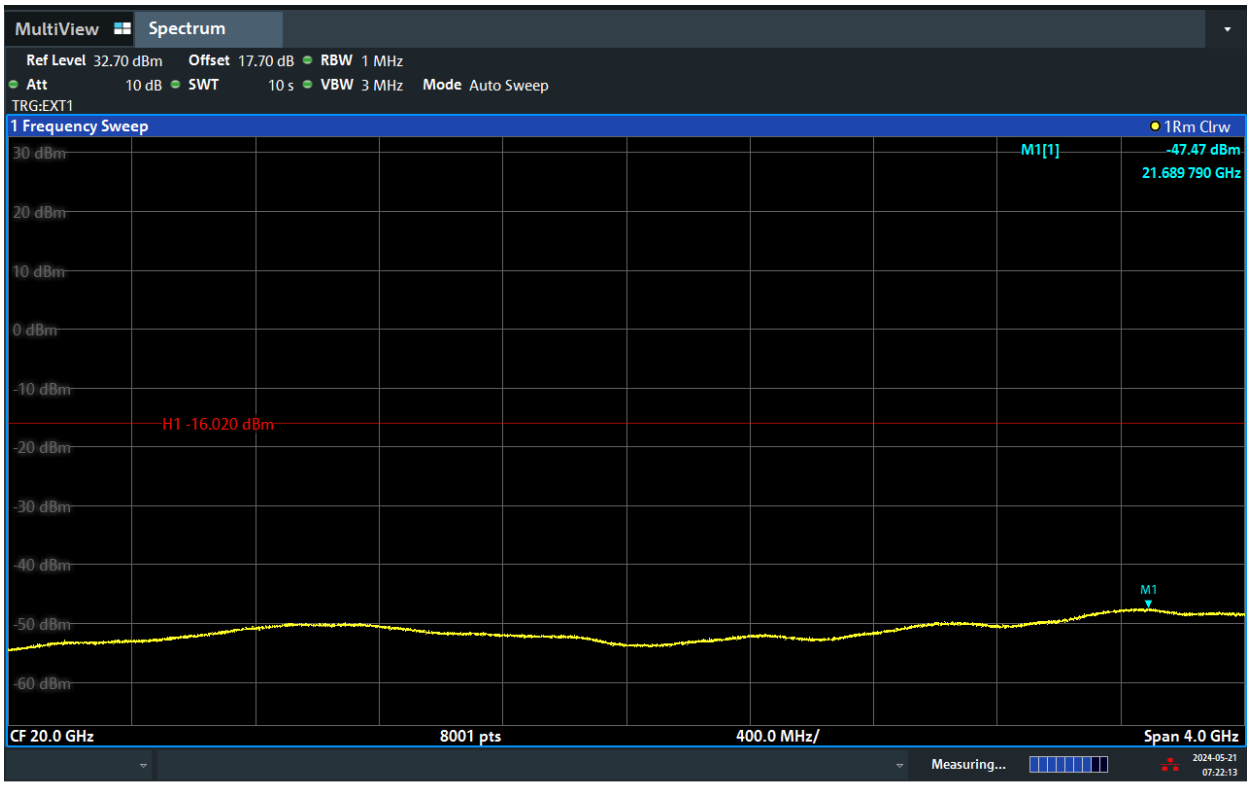


07:02:38 AM 05/20/2024



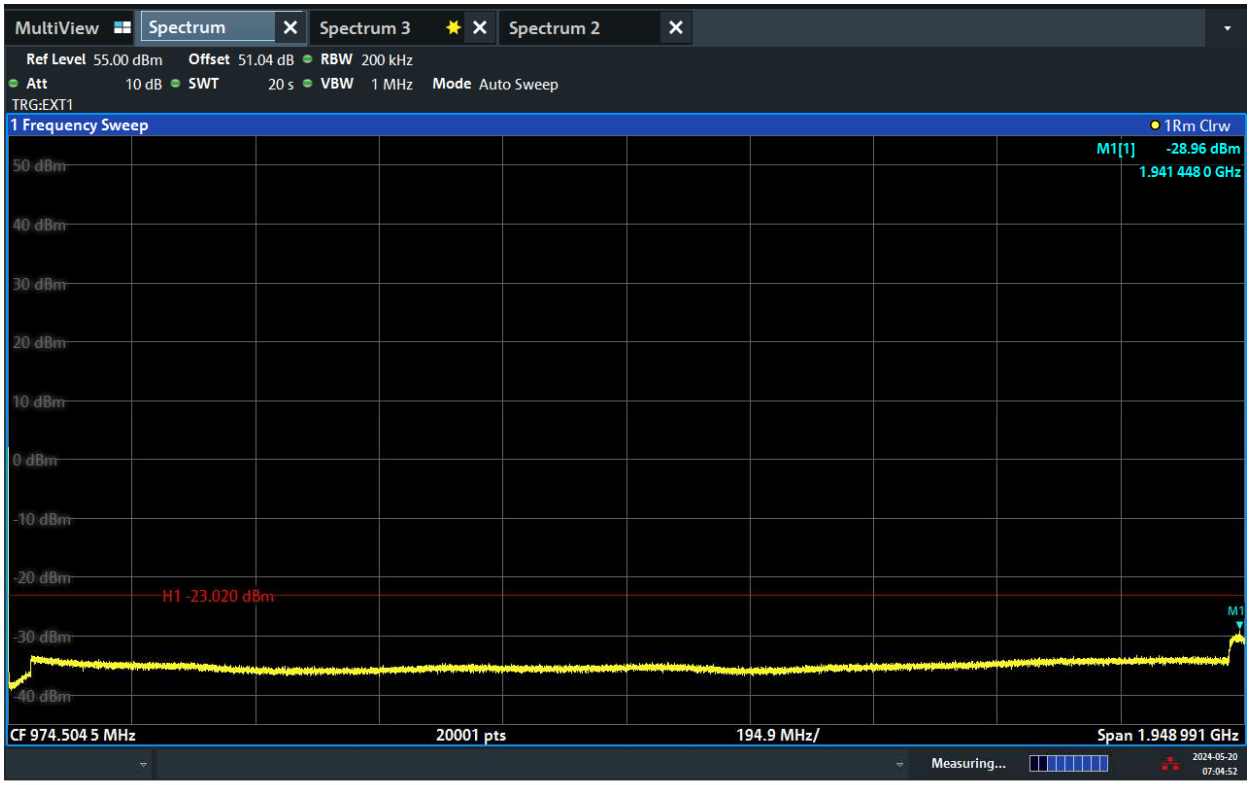
05:38:55 AM 05/21/2024

TEST REPORT



07:22:13 AM 05/21/2024

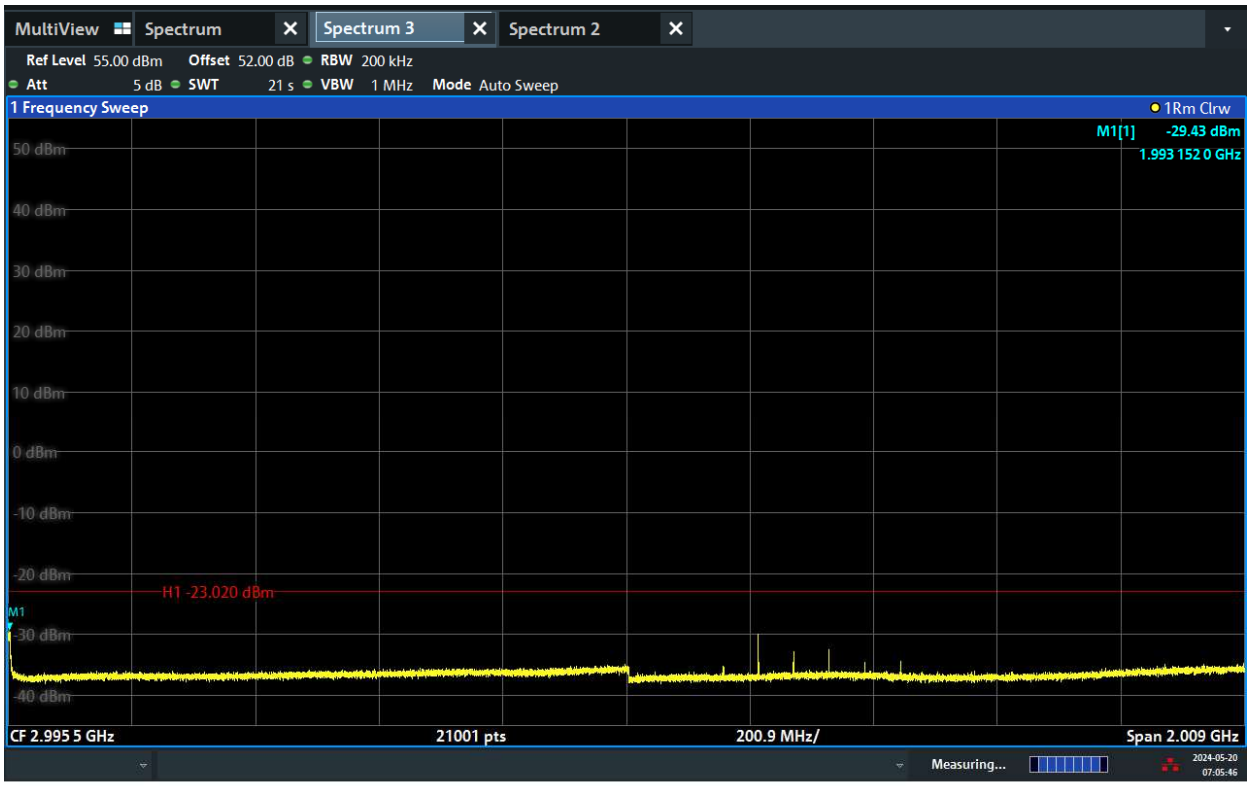
Channel Position T



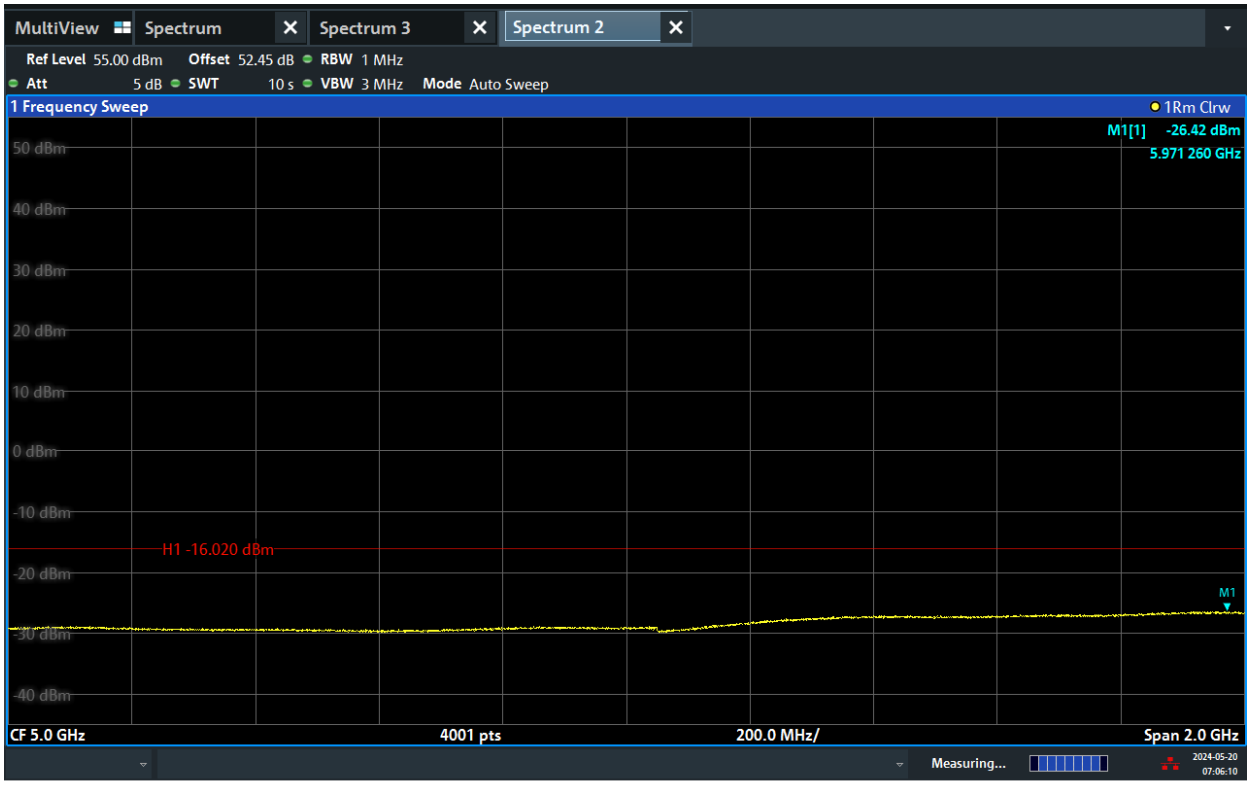
07:04:53 AM 05/20/2024

Total Quality. Assured.

TEST REPORT



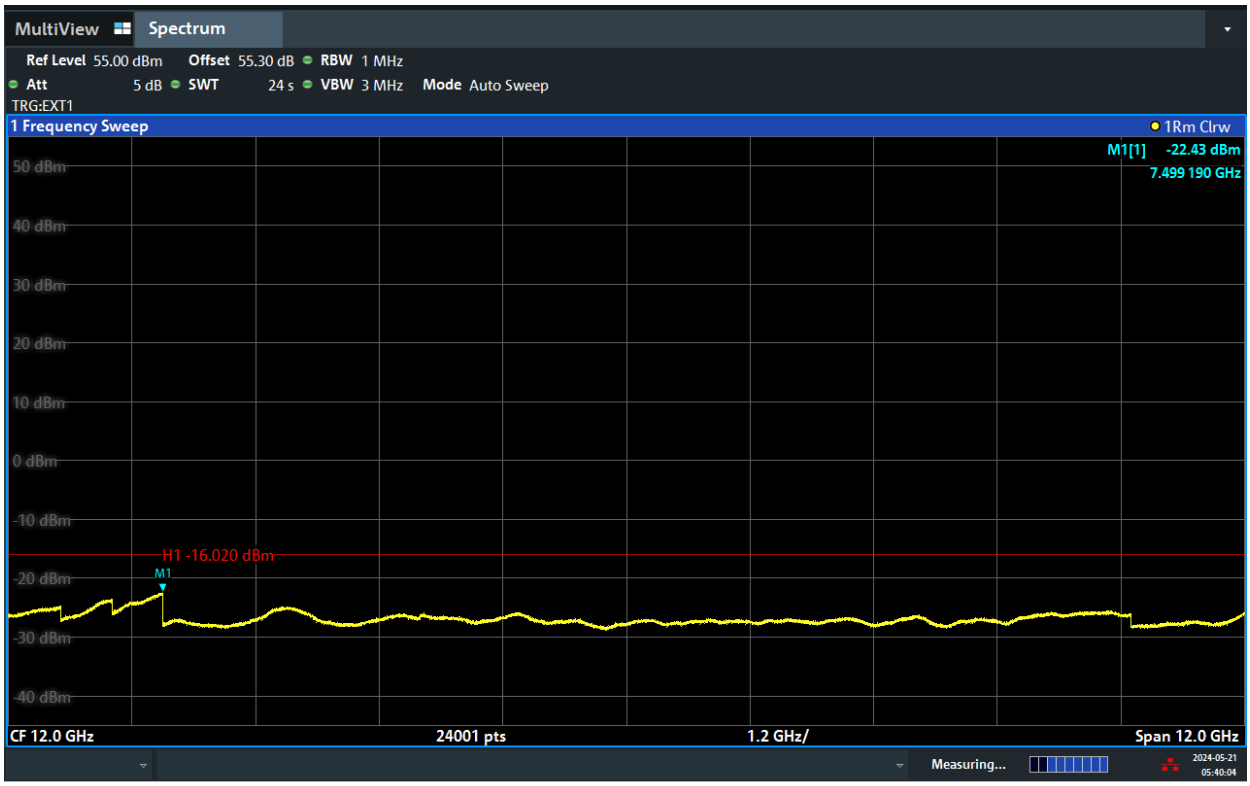
07:05:46 AM 05/20/2024



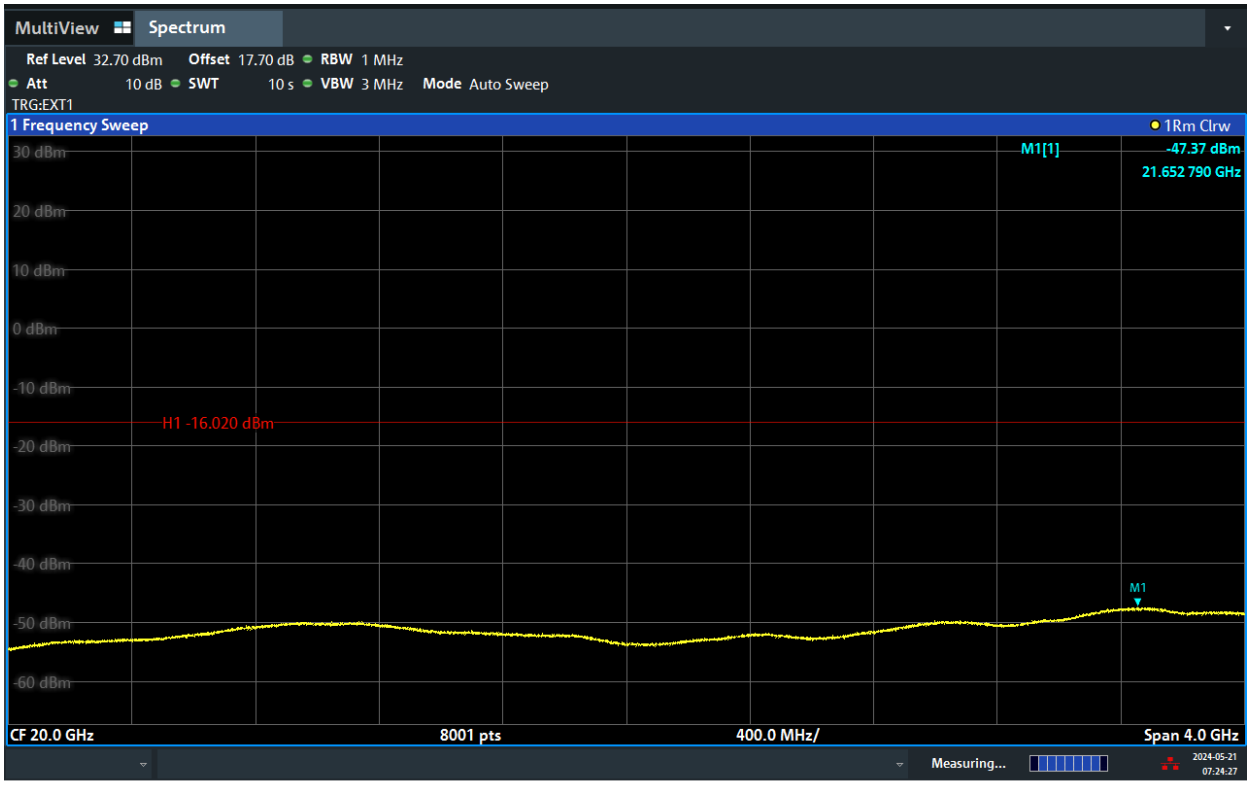
07:06:10 AM 05/20/2024

Total Quality. Assured.

TEST REPORT



05:40:04 AM 05/21/2024



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7 Frequency Stability

Test result: **Pass**

7.1 Limit

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

7.2 Measurement Procedure

Temperature Variation
The EUT was tested over the temperature range -30°C to +50°C in 10°C steps with -48 VDC Power Supply. At each temperature step, the Base Station was configured to transmit at maximum power on the middle channel of the operating band.

Voltage Variation
The EUT was tested at the supplied voltages varied from 85 to 115 percent of the nominal values of -48 VDC. At +20°C, the Base Station was configured to transmit at maximum power on the middle channel of the frequency block.

7.3 Measurement result

4TX/RX mode:

Frequency Error – Temperature Variation

NR-1C, Channel Bandwidth: 40MHz

Antenna Port	Modulation	Temperature (°C)	Frequency Stability (Hz)		
			Channel Position B	Channel Position M	Channel Position T
A	256QAM	55	0.65	-0.87	-0.11
		50	-0.11	0.13	-0.32
		40	-0.89	0.38	0.58
		30	0.42	0.28	-0.12
		20	0.26	0.48	0.11
		10	0	-0.31	0.42
		0	0.43	-0.55	0.75
		-10	-0.67	-0.89	0.71
		-20	0.65	0.62	-0.53
		-30	-0.51	1.03	0.71
		-40	0.83	0.76	0.79

Frequency Error – Voltage Variation

NR-1C, Channel Bandwidth: 40MHz

Antenna Port	Modulation	Temperature (°C)	Supply Voltage (V)	Frequency Stability (Hz)		
				Channel Position B	Channel Position M	Channel Position T
A	256QAM	20	-40.8	0.34	-0.29	0.34
			-48.0	0.34	0.27	0.28
			-55.2	-3.53	-3.81	-3.65

TEST REPORT

2TX/RX mode:

Frequency Error – Temperature Variation

NR-1C, Channel Bandwidth: 40MHz

Antenna Port	Modulation	Temperature (°C)	Frequency Stability (Hz)		
			Channel Position B	Channel Position M	Channel Position T
A	256QAM	55	0.98	-0.77	-0.62
		50	-0.21	0.33	0.36
		40	-0.44	-0.43	-0.19
		30	0.33	-0.36	-0.47
		20	0.37	0.58	0.74
		10	0.53	-0.92	-0.33
		0	-0.78	0.64	0.58
		-10	-0.83	0.6	-0.82
		-20	0.73	0.8	0.55
		-30	0.76	-0.51	0.88
		-40	-0.79	-0.47	-0.68

Frequency Error – Voltage Variation

NR-1C, Channel Bandwidth: 40MHz

Antenna Port	Modulation	Temperature (°C)	Supply Voltage (V)	Frequency Stability (Hz)		
				Channel Position B	Channel Position M	Channel Position T
A	256QAM	20	-40.8	0.45	0.8	-0.46
			-48.0	0.37	0.58	0.74
			-55.2	0.56	0.15	0.35

********** END **********