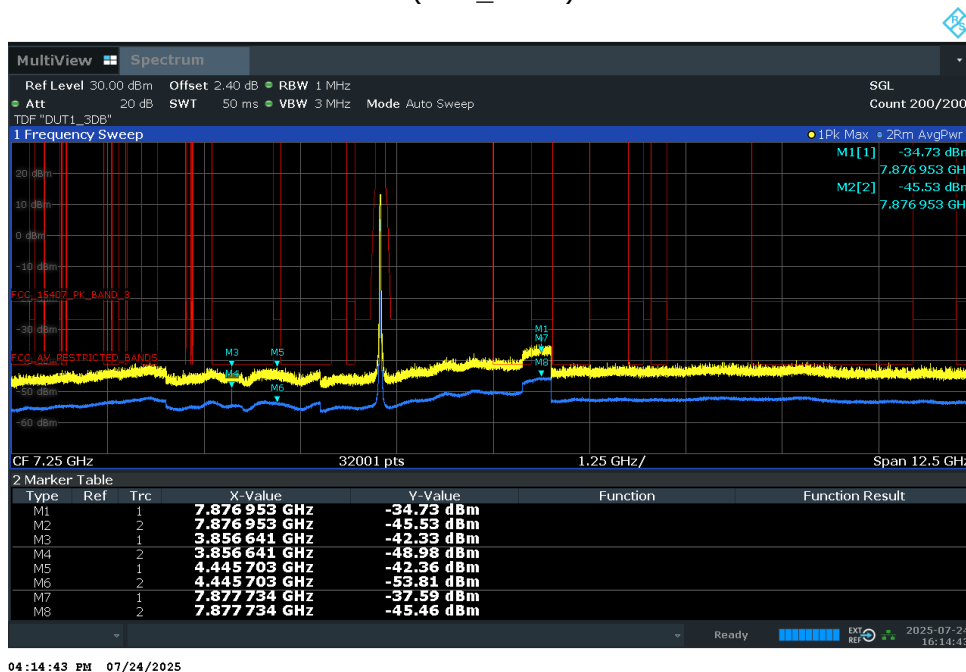
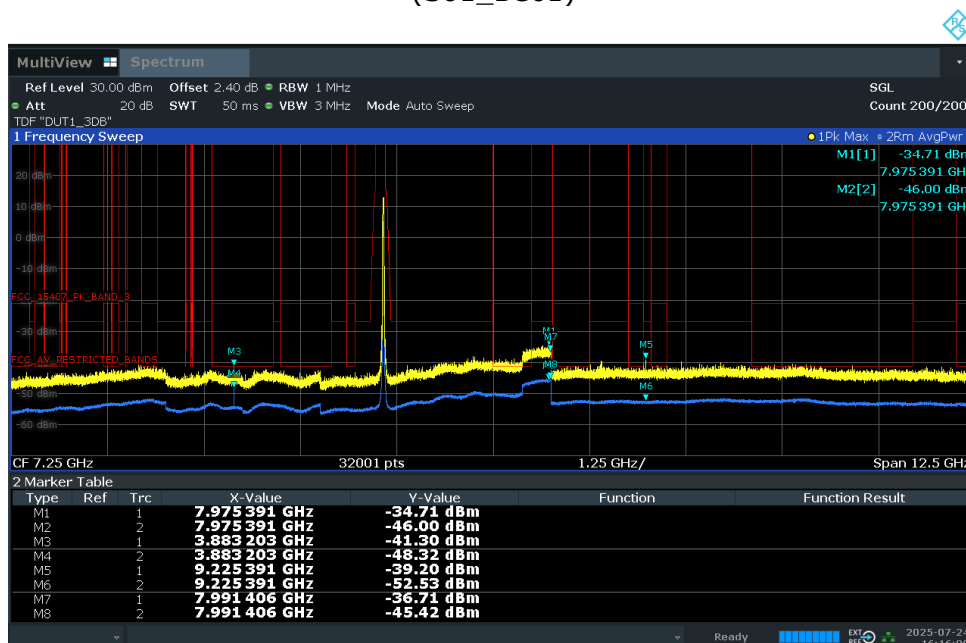


Radio Technology = WLAN ac 20 MHz, Operating Frequency = mid, Measurement range = 1GHz - 13.5GHz, Subband = U-NII-3 (S01_BC01)



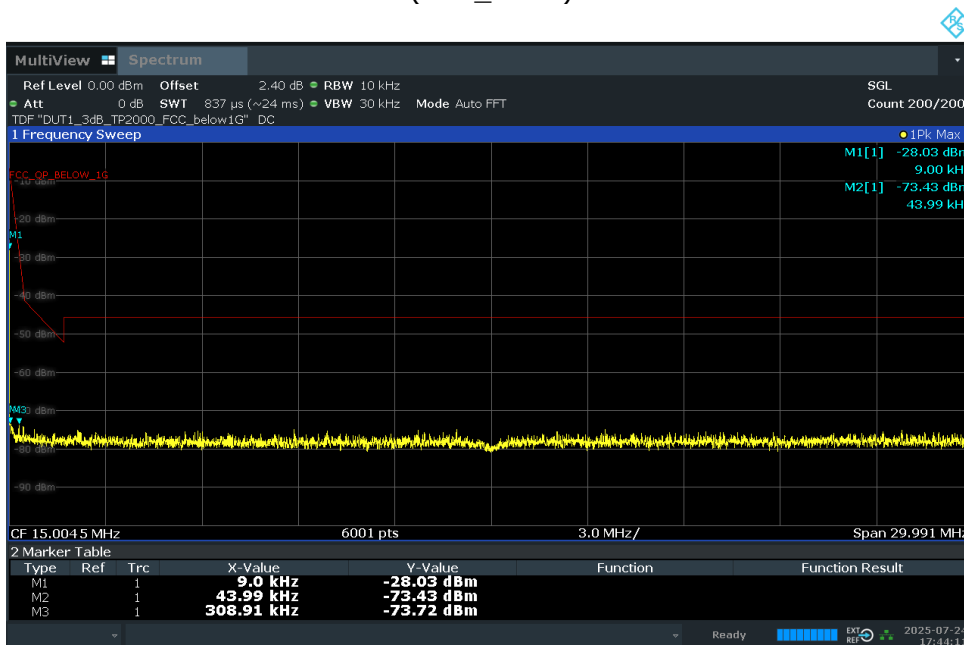
04:14:43 PM 07/24/2025

Radio Technology = WLAN ac 20 MHz, Operating Frequency = high, Measurement range = 1GHz - 13.5GHz, Subband = U-NII-3 (S01_BC01)



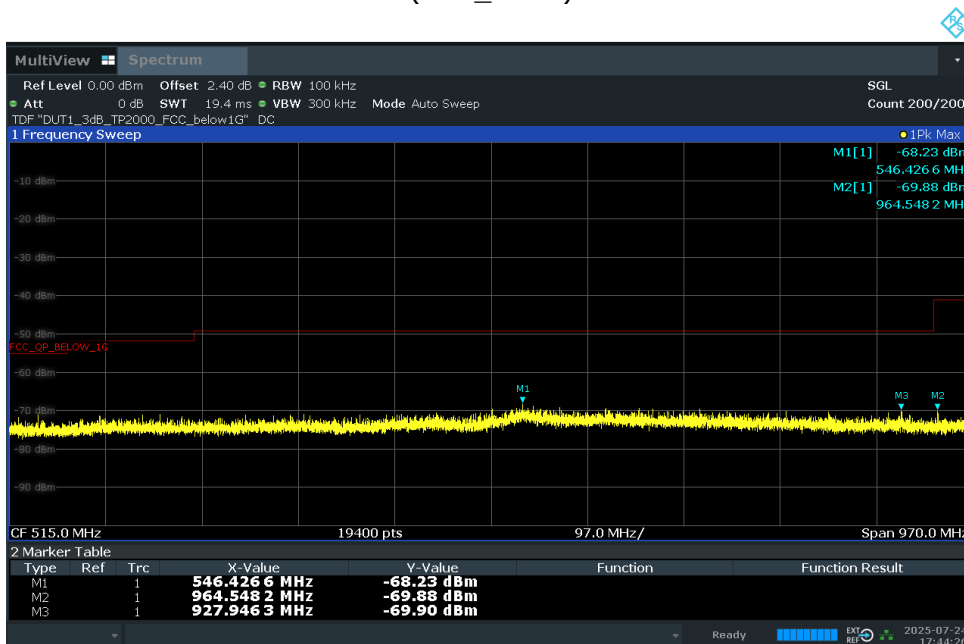
04:16:01 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range = 9kHz - 30MHz, Subband = U-NII-1 (S01_BC01)



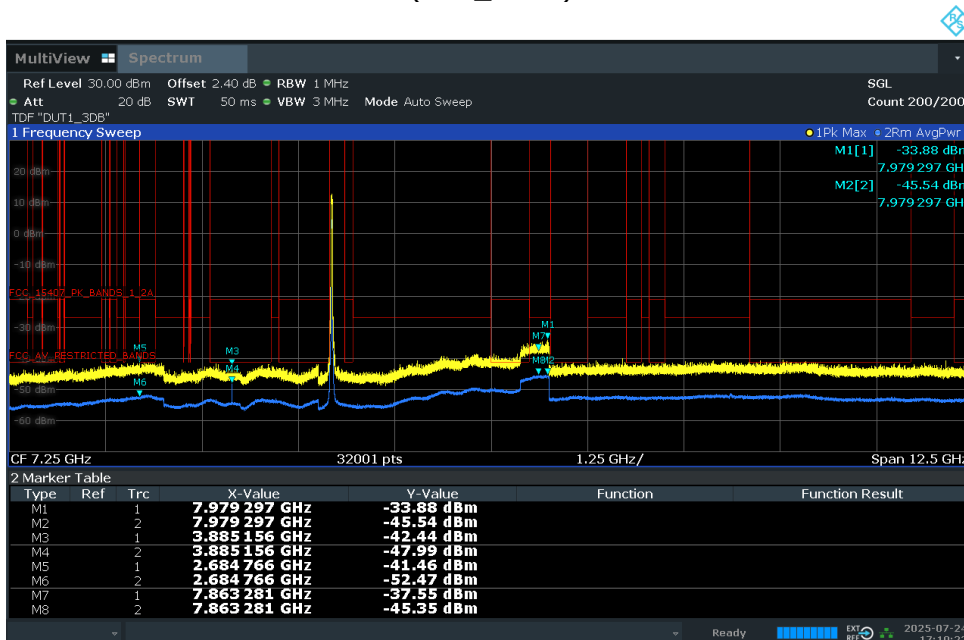
05:44:12 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range = 30MHz - 1GHz, Subband = U-NII-1 (S01_BC01)

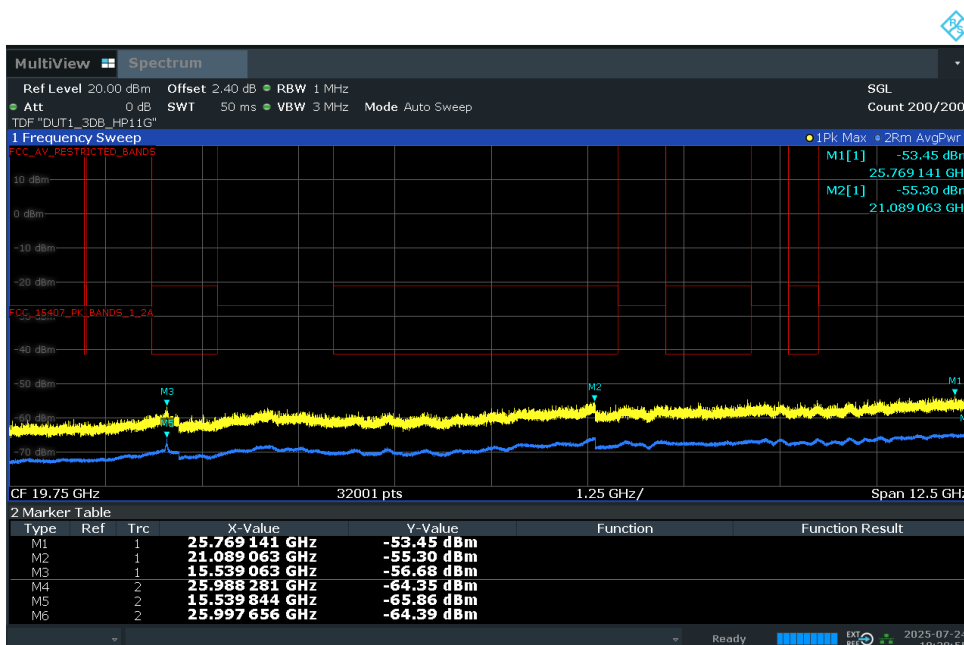


05:44:27 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range =
1GHz - 26GHz, Subband = U-NII-1
(S01_BC01)

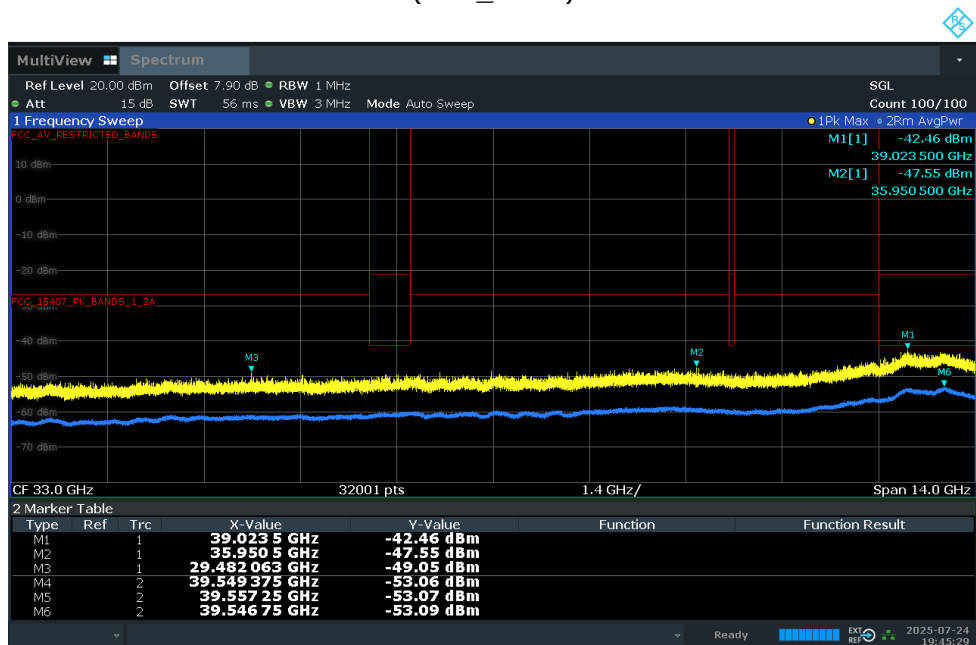


05:10:22 PM 07/24/2025



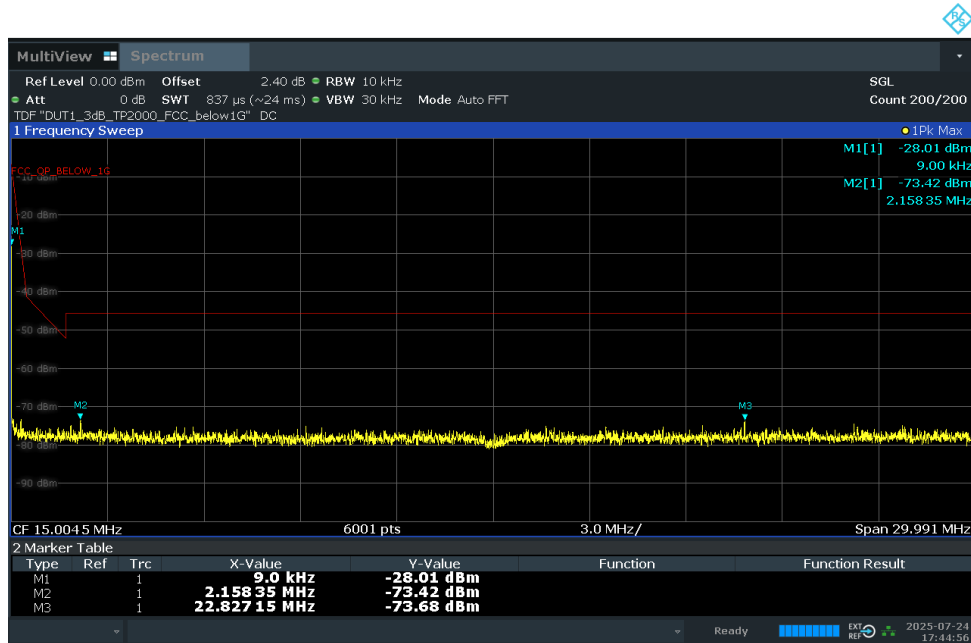
06:28:55 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range =
26GHz - 40GHz, Subband = U-NII-1
(S01_BC01)



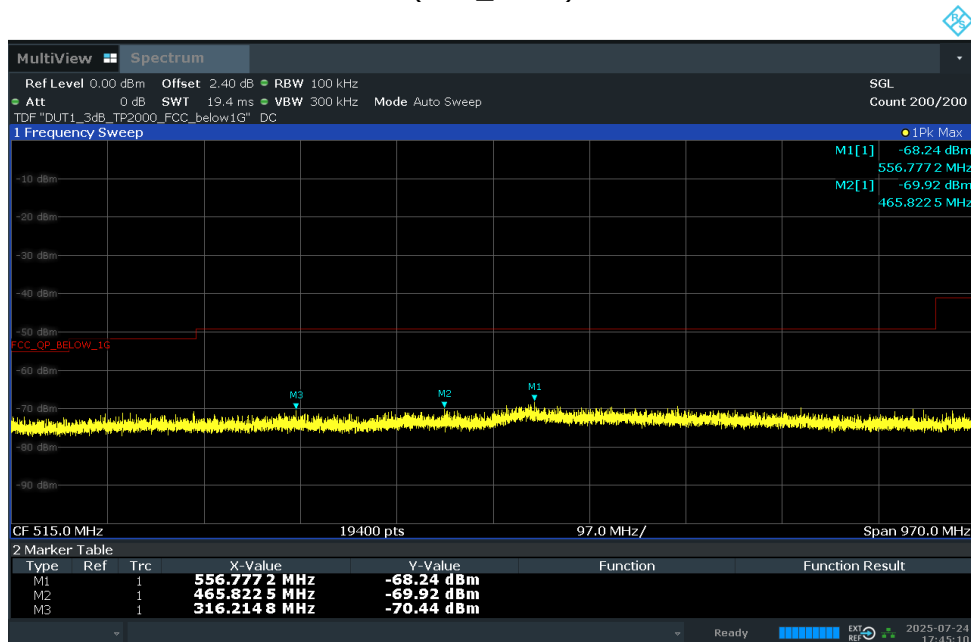
07:45:29 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range = 9kHz - 30MHz, Subband = U-NII-1 (S01_BC01)



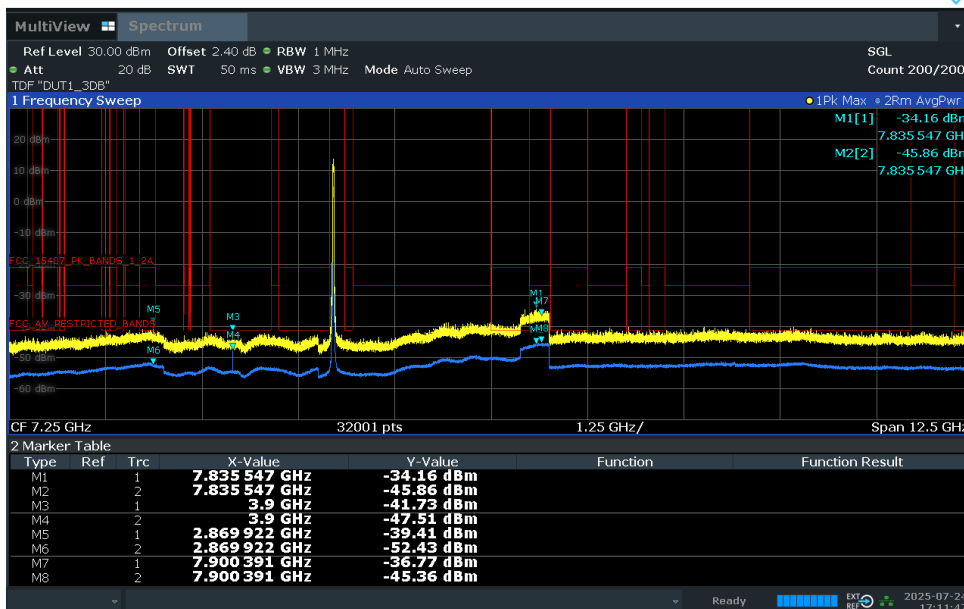
05:44:56 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range = 30MHz - 1GHz, Subband = U-NII-1 (S01_BC01)

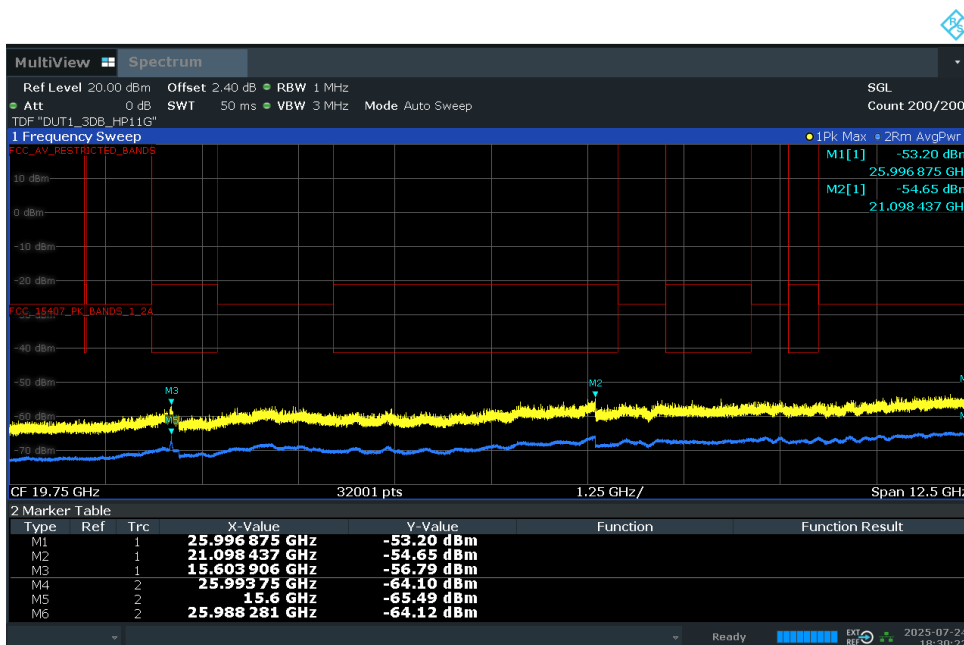


05:45:11 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range =
1GHz - 26GHz, Subband = U-NII-1
(S01_BC01)

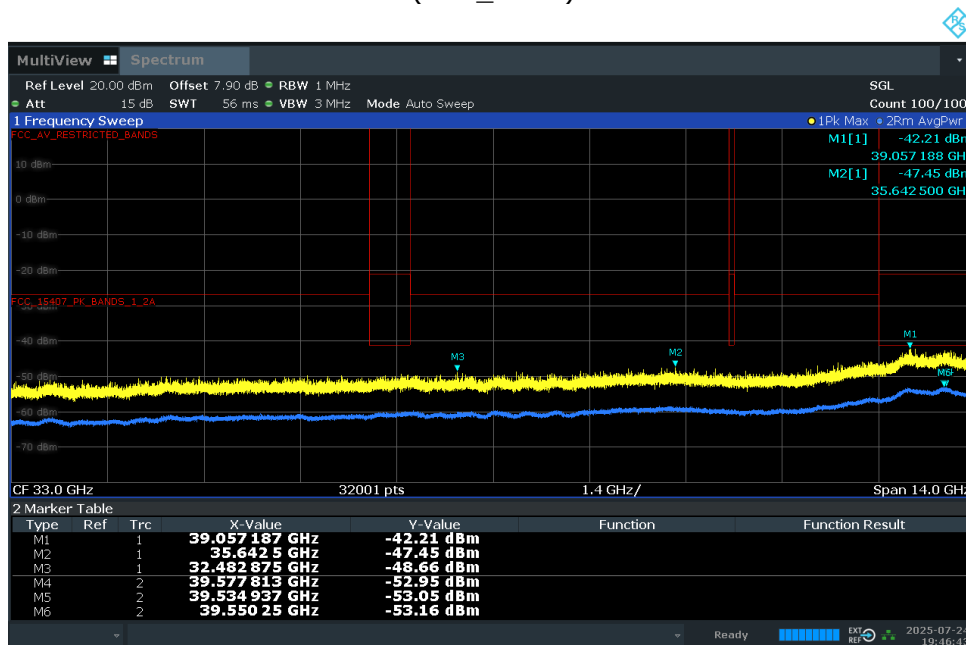


05:11:47 PM 07/24/2025



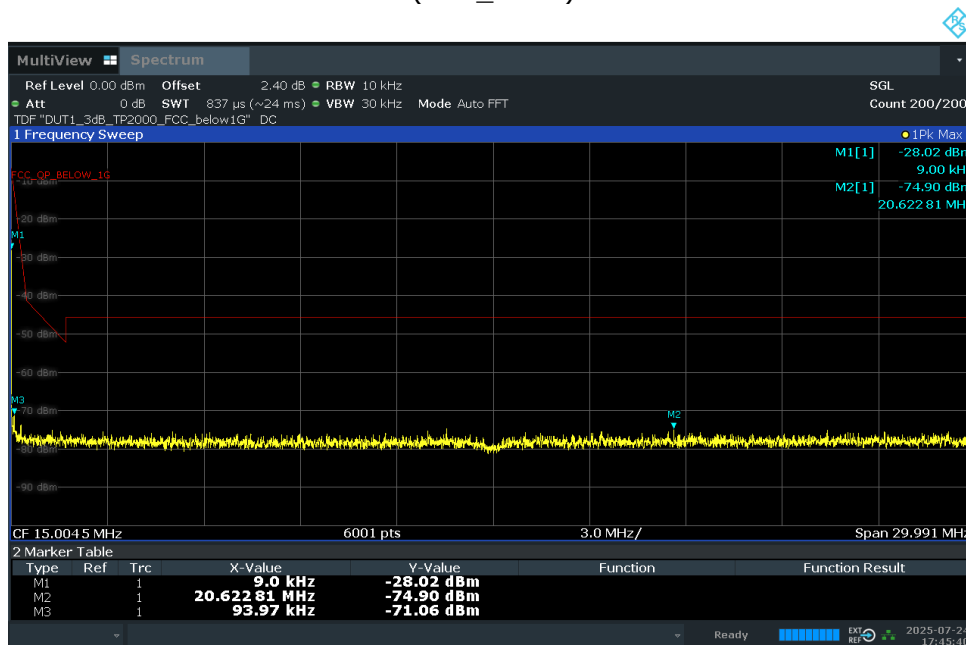
06:30:22 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range =
26GHz - 40GHz, Subband = U-NII-1
(S01_BC01)



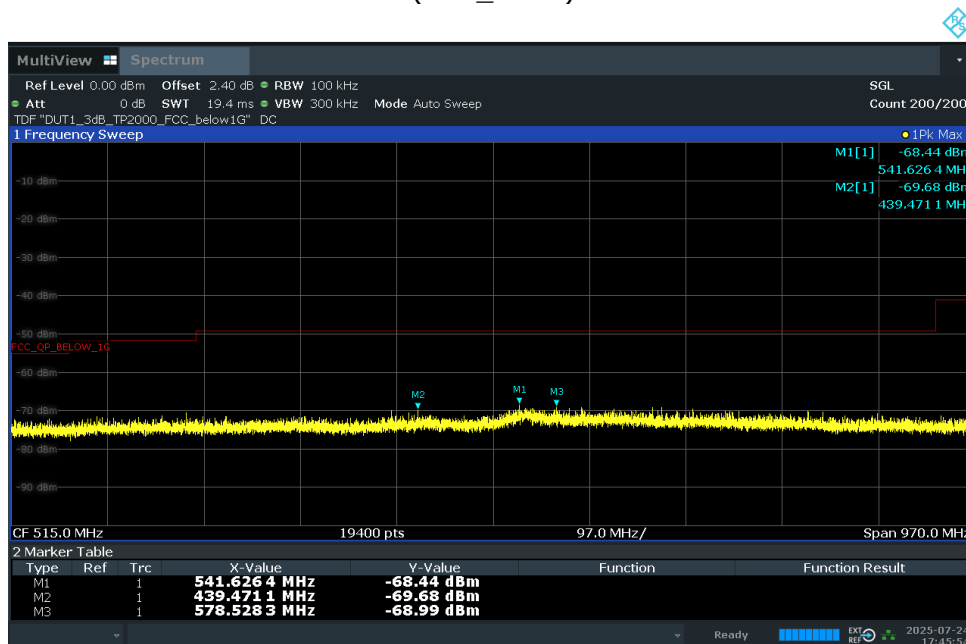
07:46:44 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Measurement range = 9kHz - 30MHz, Subband = U-NII-1 (S01_BC01)



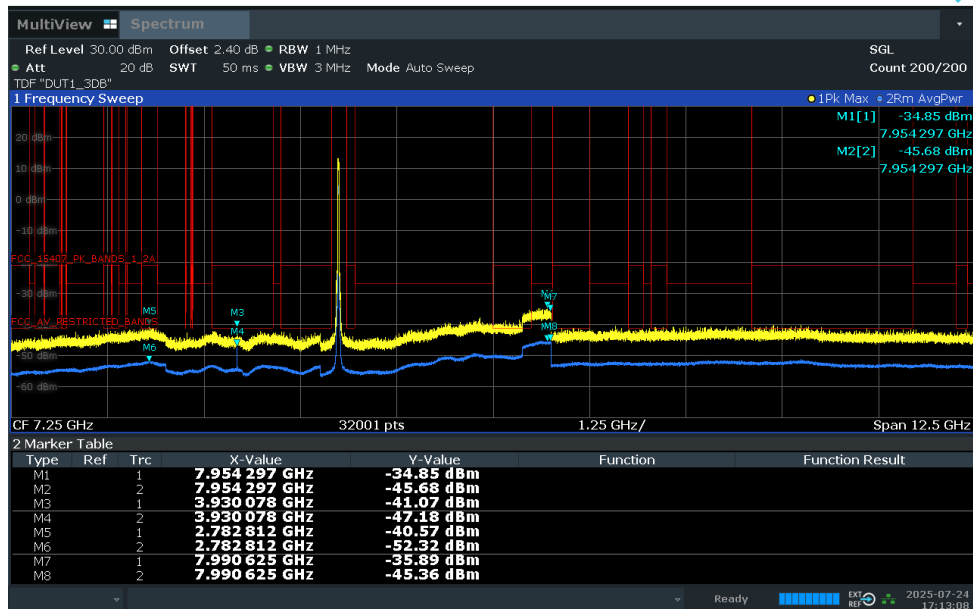
05:45:41 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Measurement range = 30MHz - 1GHz, Subband = U-NII-1 (S01_BC01)

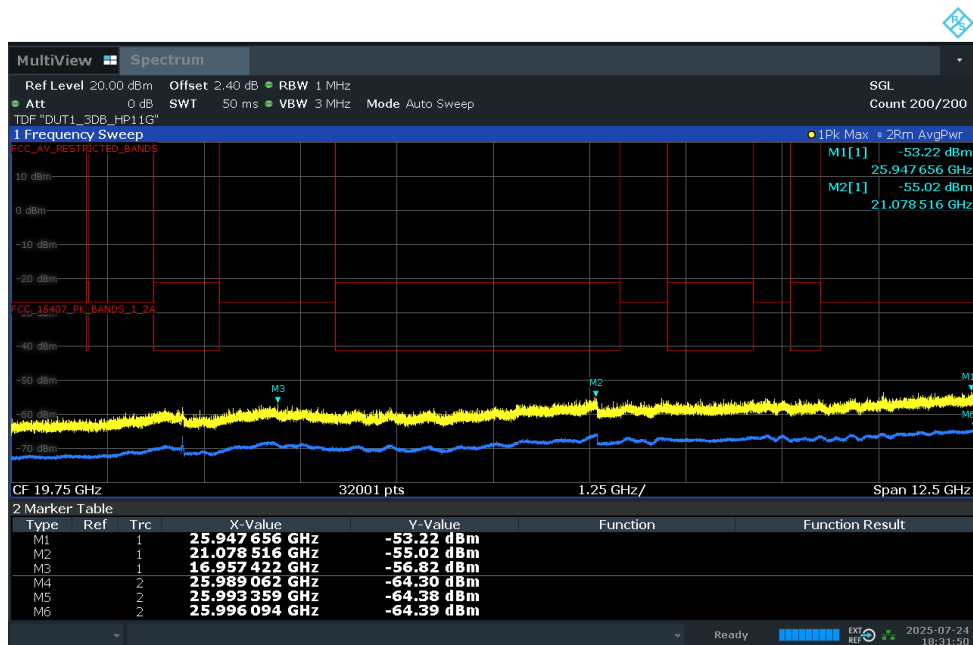


05:45:55 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Measurement range =
1GHz - 26GHz, Subband = U-NII-1
(S01_BC01)

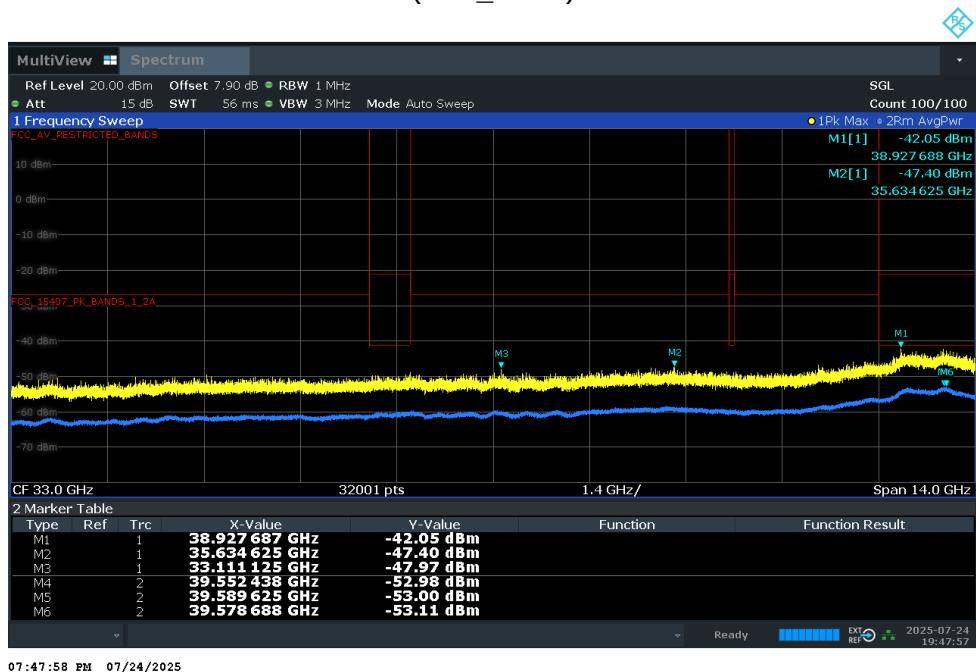


05:13:08 PM 07/24/2025



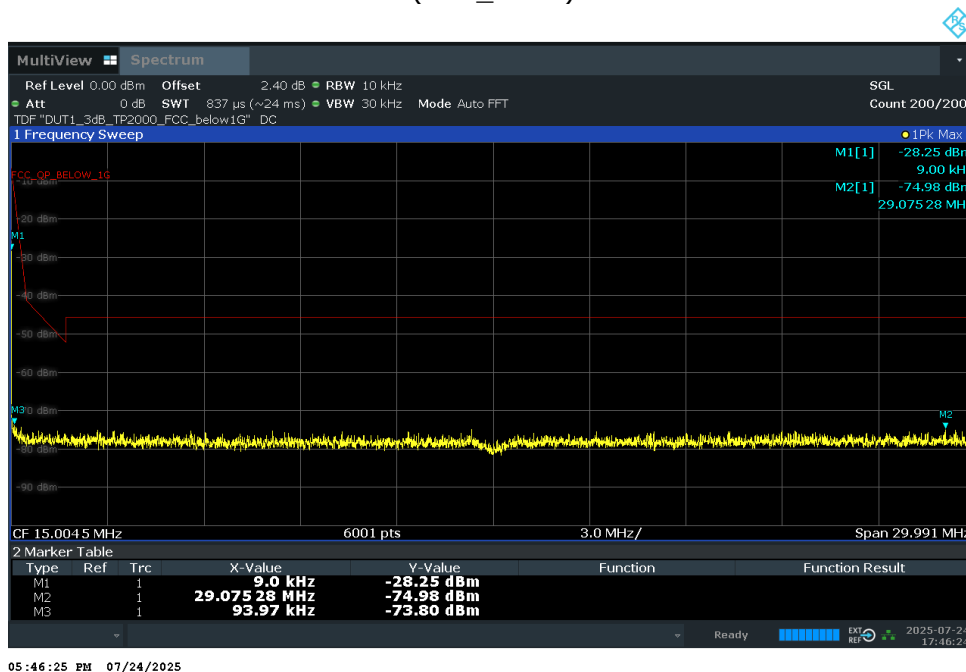
06:31:50 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Measurement range =
26GHz - 40GHz, Subband = U-NII-1
(S01_BC01)

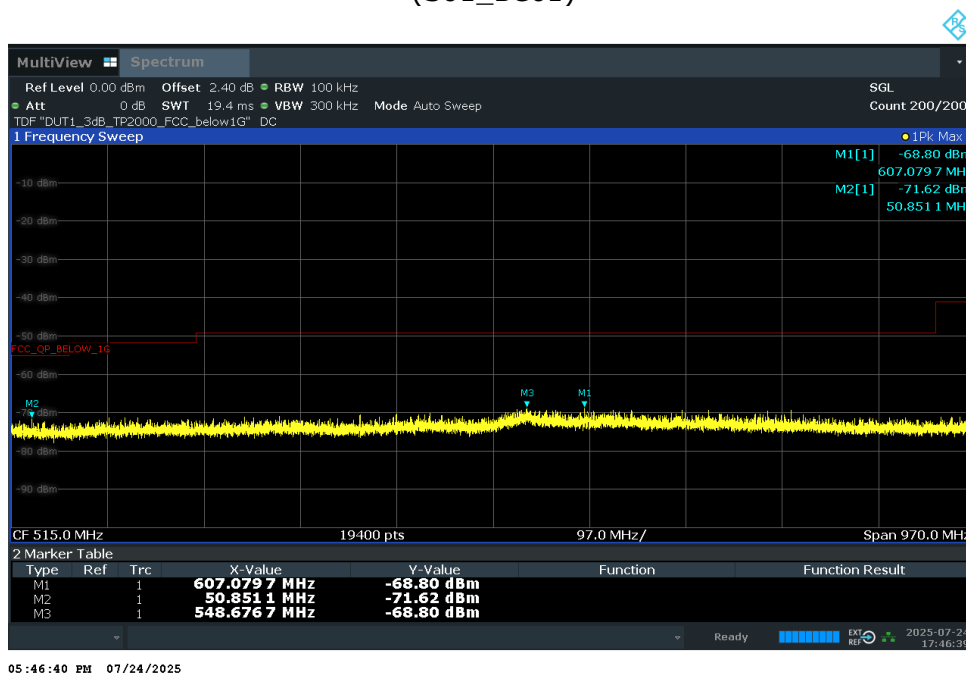


07:47:58 PM 07/24/2025

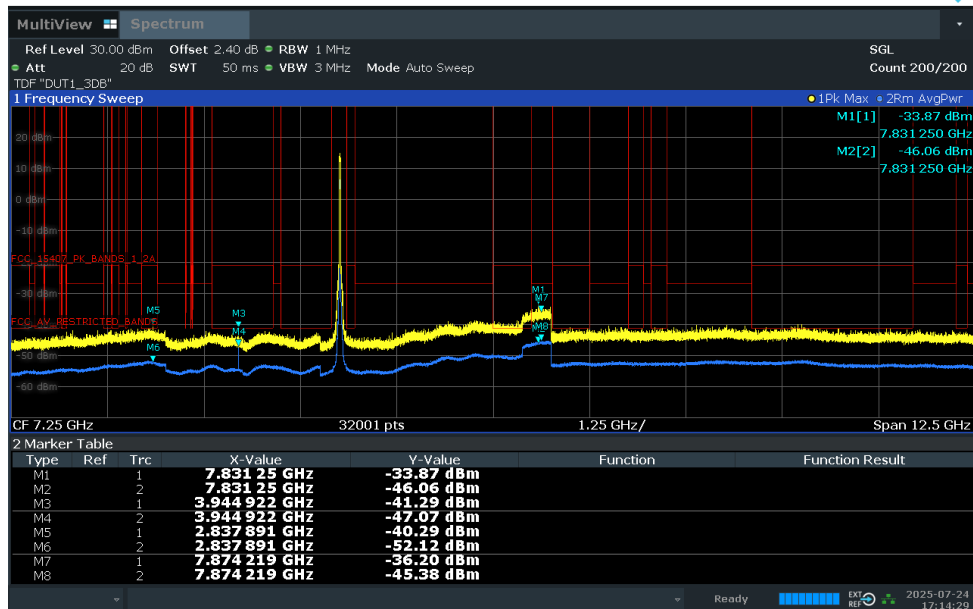
Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range = 9kHz - 30MHz, Subband = U-NII-2A (S01_BC01)



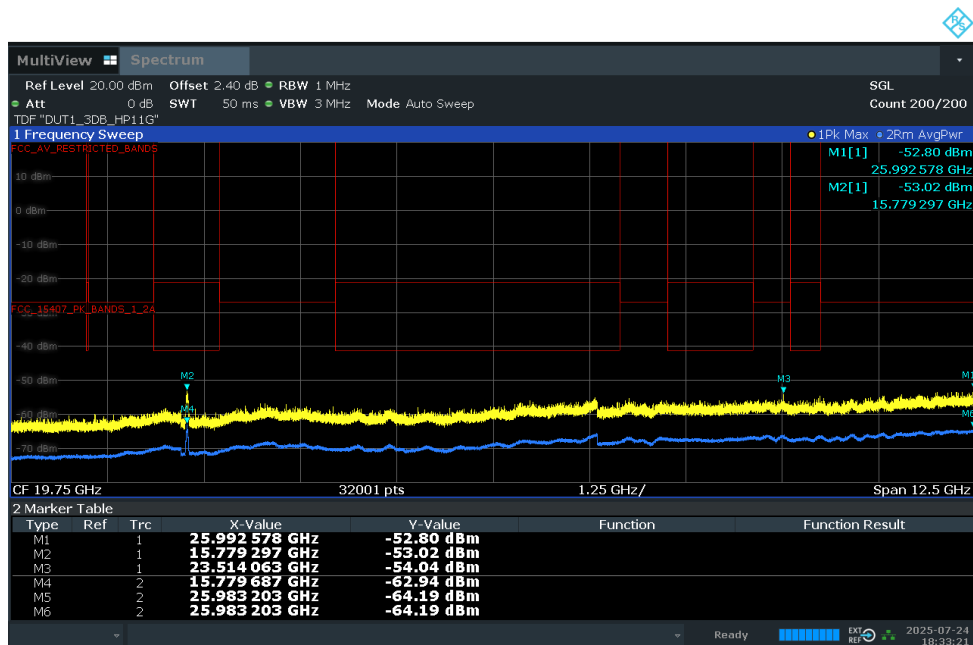
Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range = 30MHz - 1GHz, Subband = U-NII-2A (S01_BC01)



Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range =
1GHz - 26GHz, Subband = U-NII-2A
(S01_BC01)

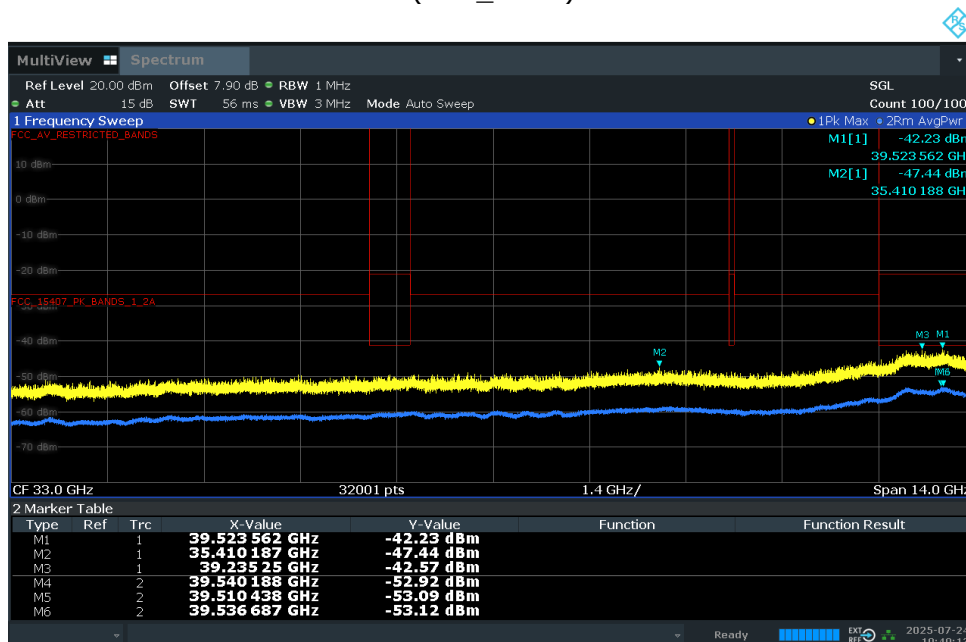


05:14:29 PM 07/24/2025



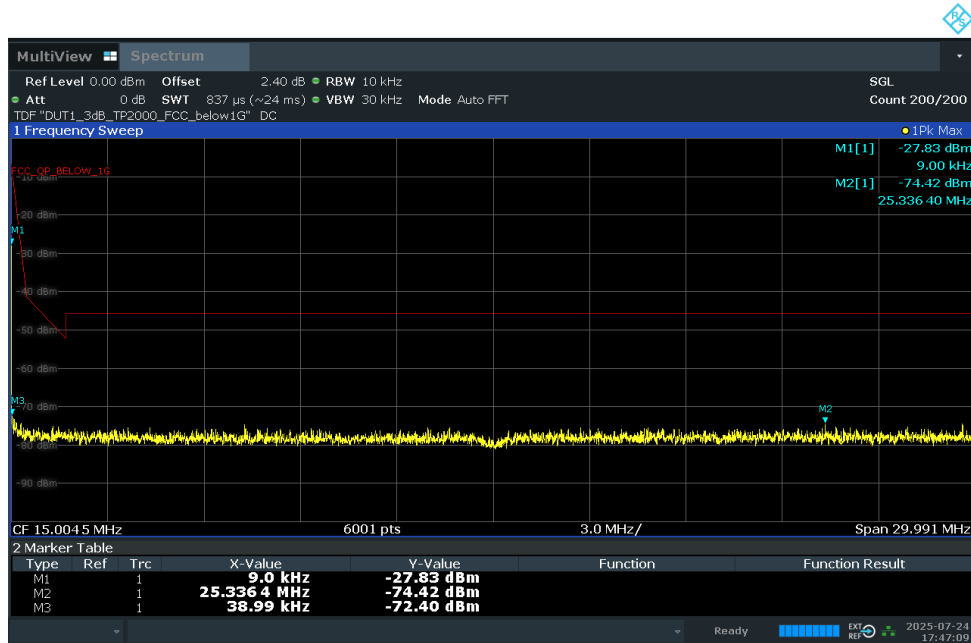
06:33:21 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range =
26GHz - 40GHz, Subband = U-NII-2A
(S01_BC01)



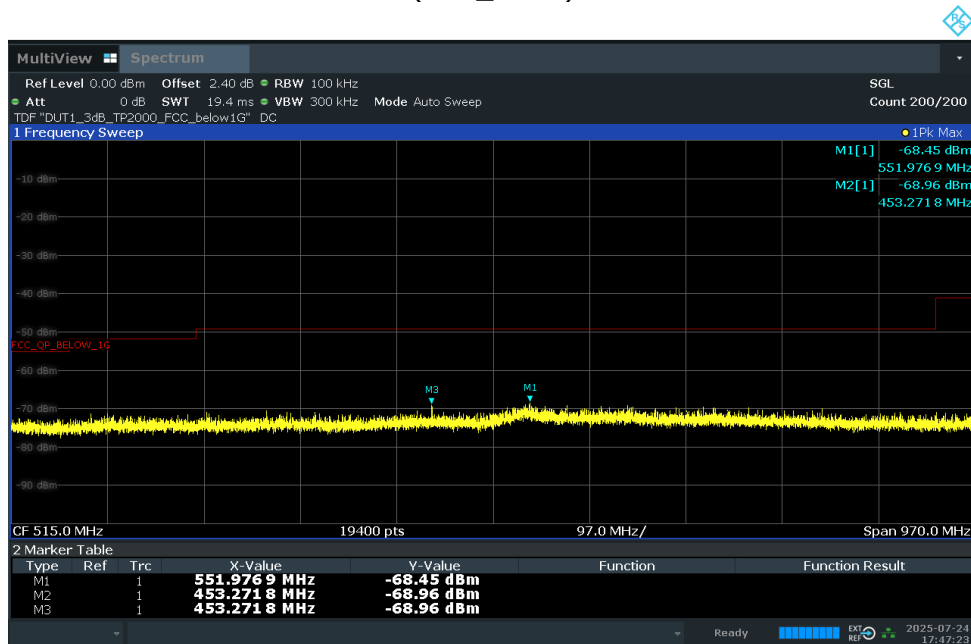
07:49:14 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range =
9kHz - 30MHz, Subband = U-NII-2A
(S01_BC01)



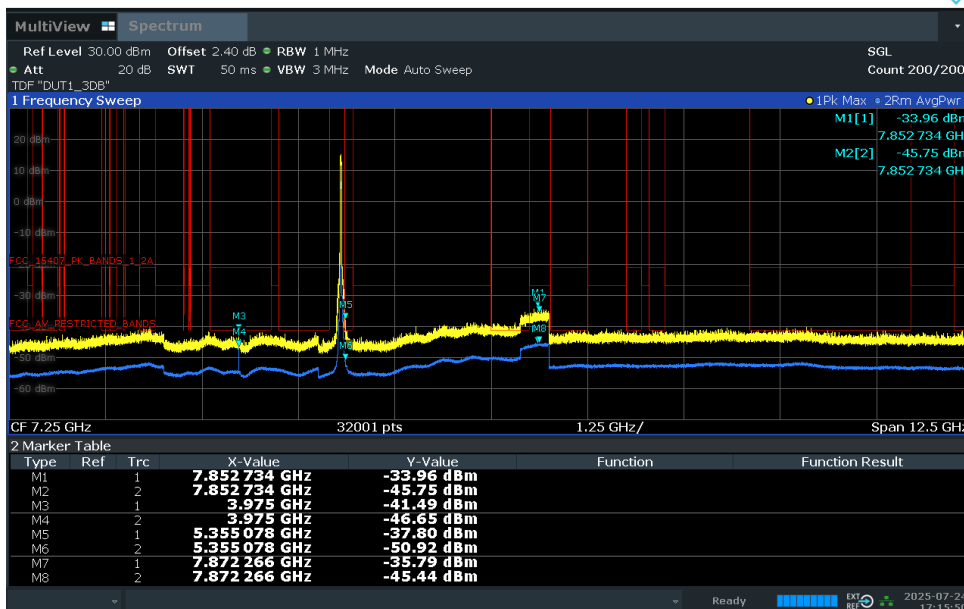
05:47:10 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range =
30MHz - 1GHz, Subband = U-NII-2A
(S01_BC01)

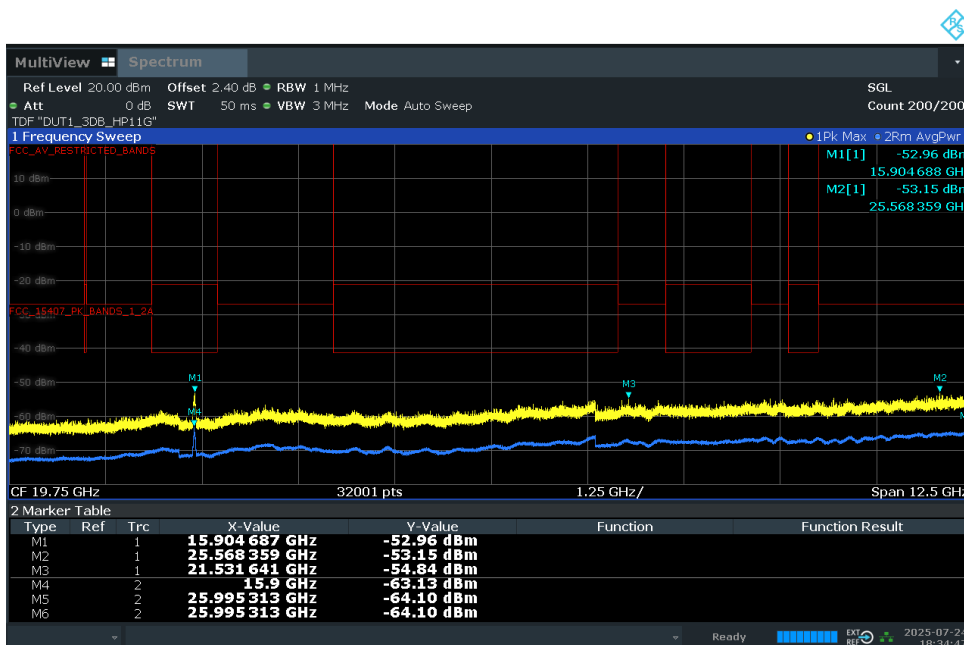


05:47:24 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range =
1GHz - 26GHz, Subband = U-NII-2A
(S01_BC01)

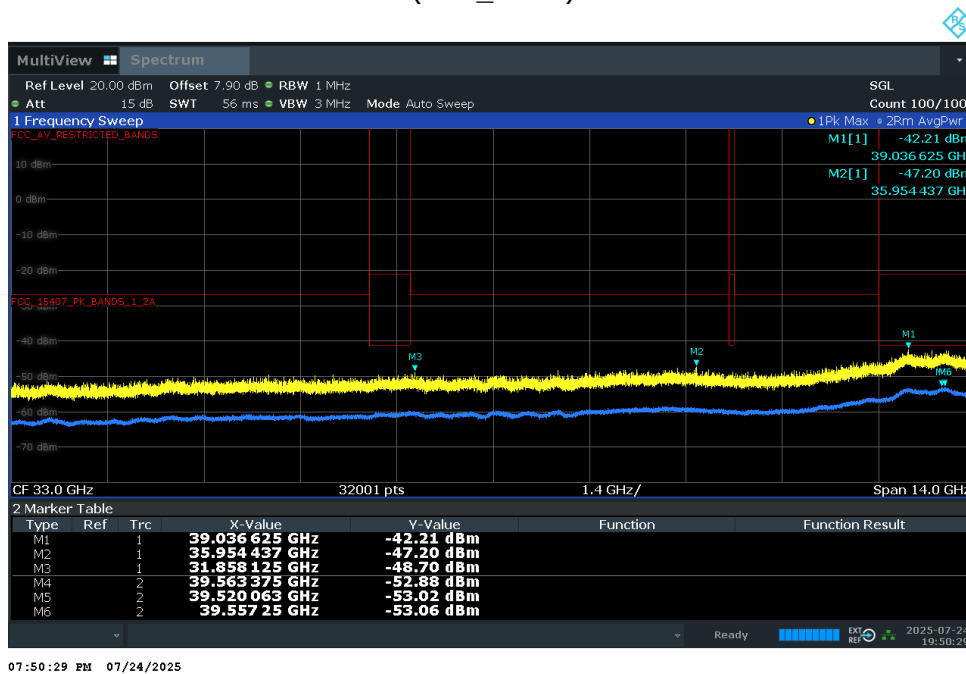


05:15:50 PM 07/24/2025



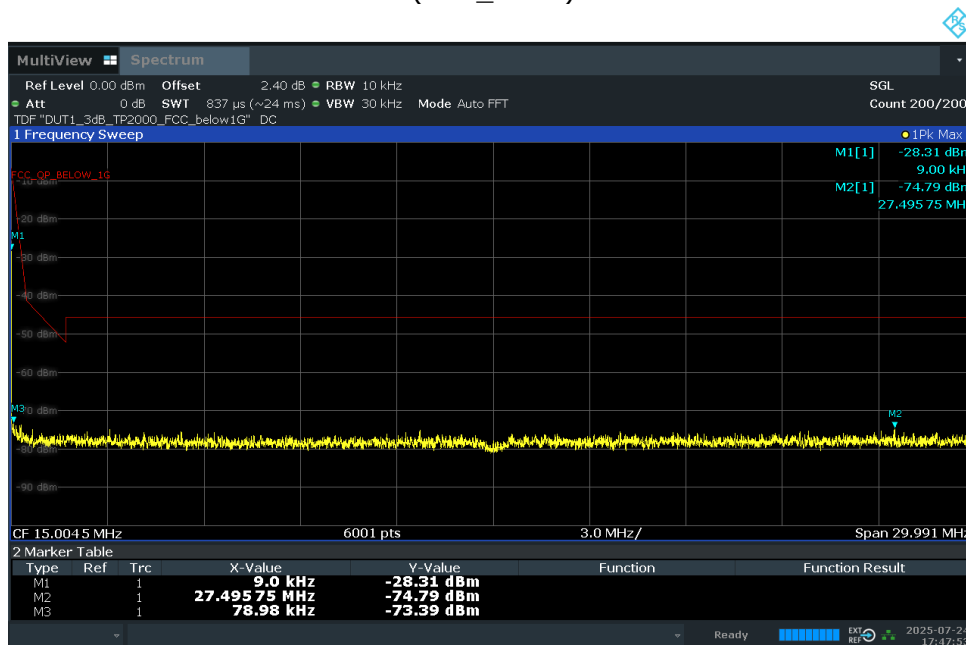
06:34:48 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range = 26GHz - 40GHz, Subband = U-NII-2A (S01_BC01)



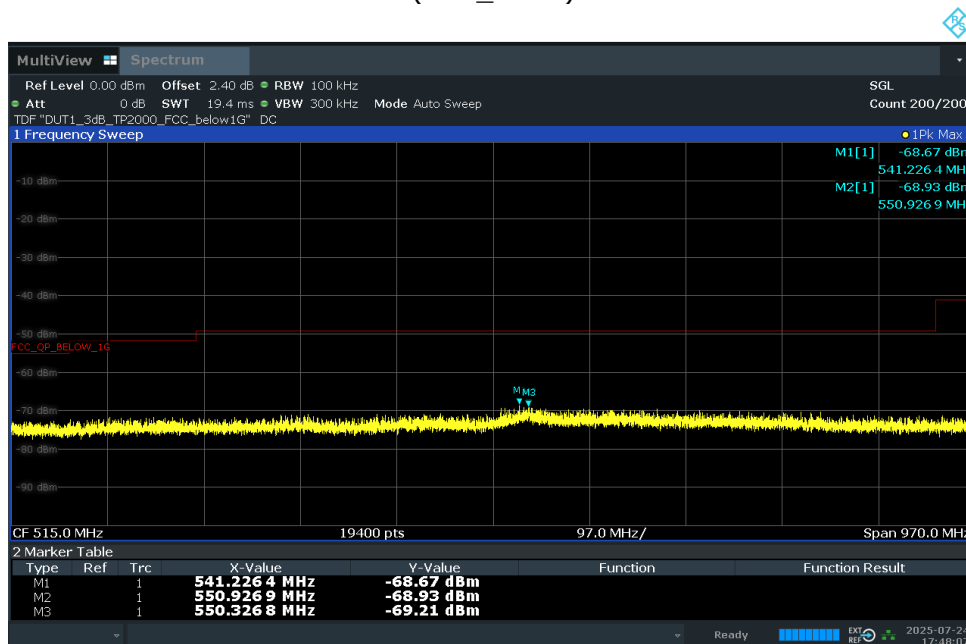
07:50:29 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Measurement range =
9kHz - 30MHz, Subband = U-NII-2A
(S01_BC01)



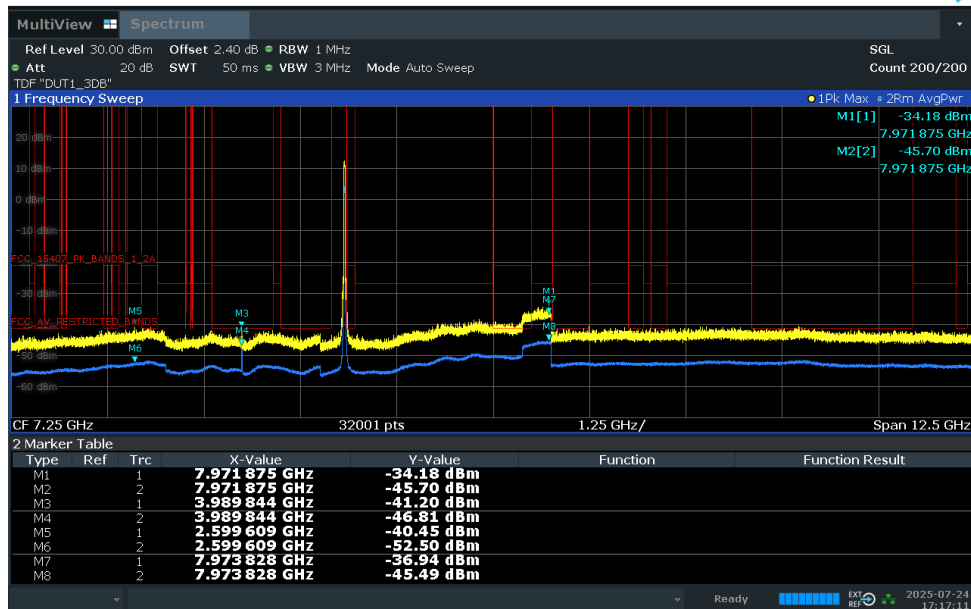
05:47:54 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Measurement range =
30MHz - 1GHz, Subband = U-NII-2A
(S01_BC01)

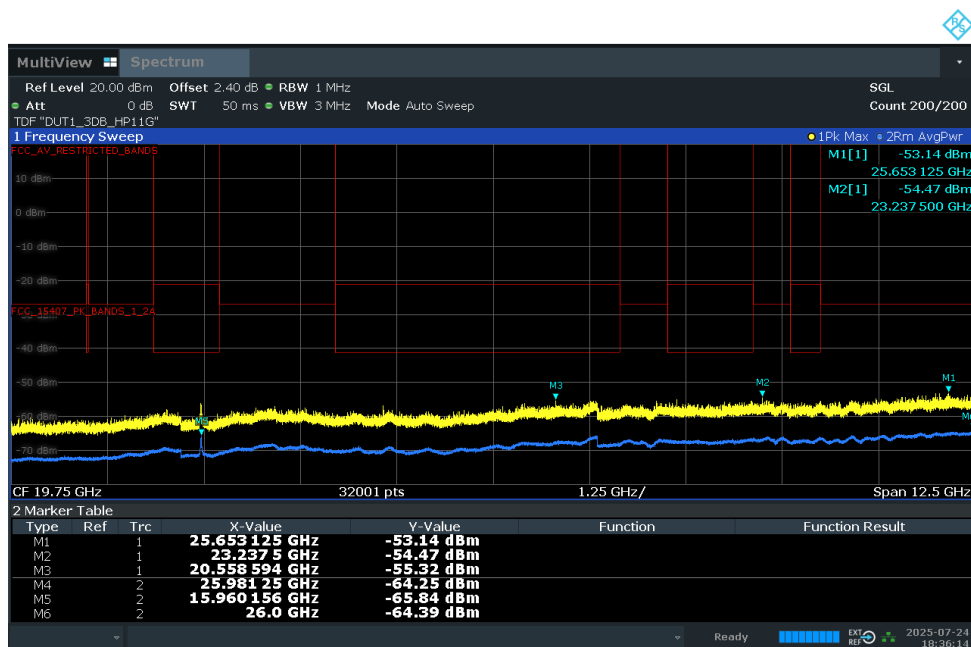


05:48:08 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Measurement range =
1GHz - 26GHz, Subband = U-NII-2A
(S01_BC01)

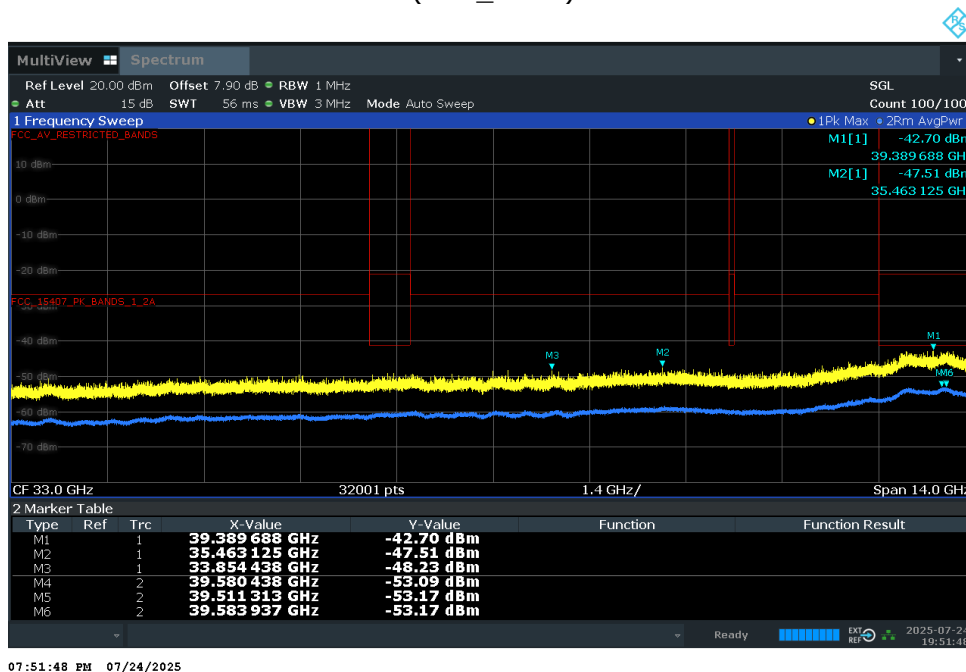


05:17:11 PM 07/24/2025



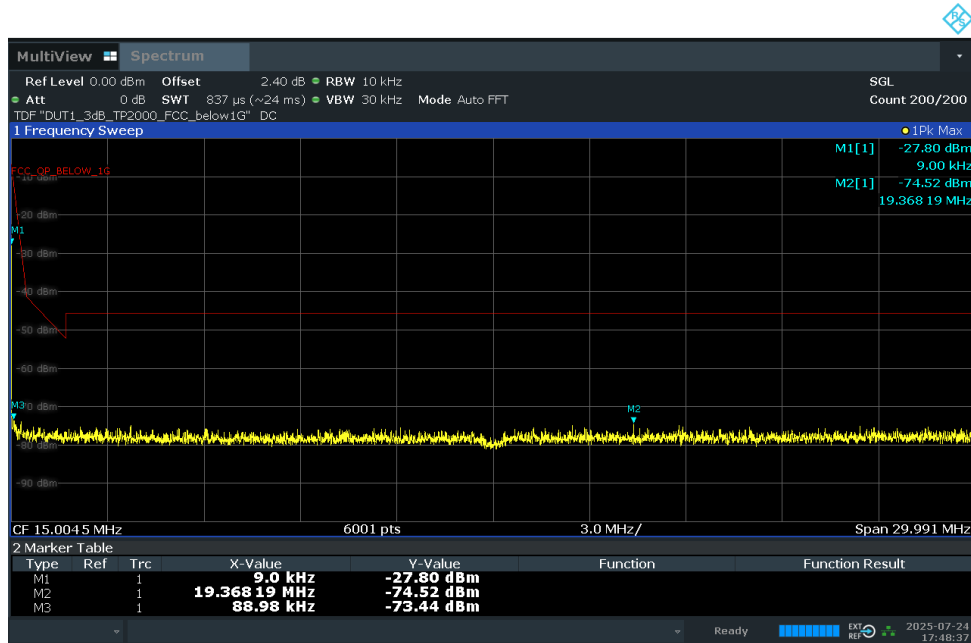
06:36:15 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Measurement range =
26GHz - 40GHz, Subband = U-NII-2A
(S01_BC01)



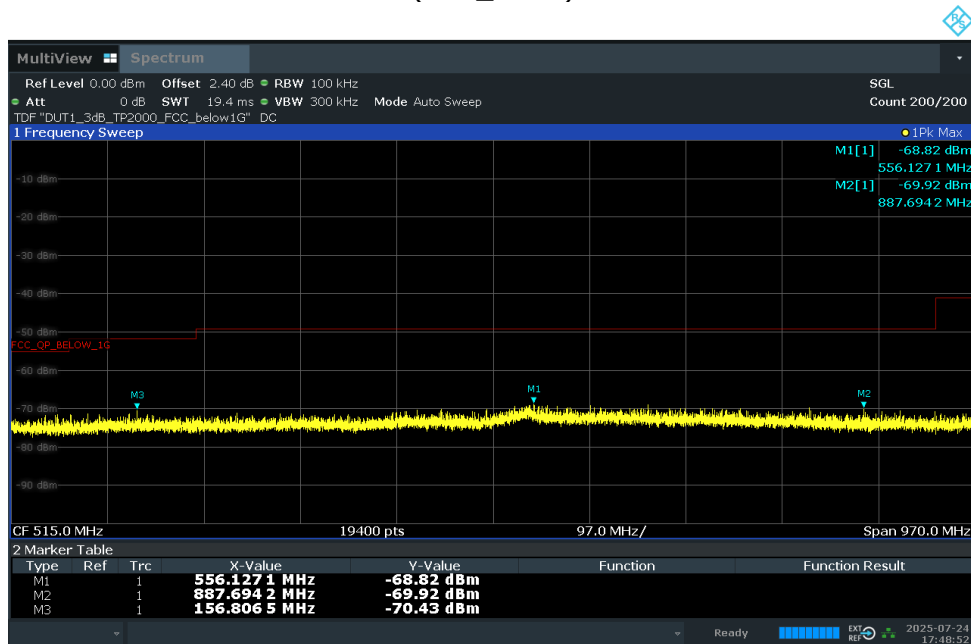
07:51:48 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range =
9kHz - 30MHz, Subband = U-NII-2C
(S01_BC01)



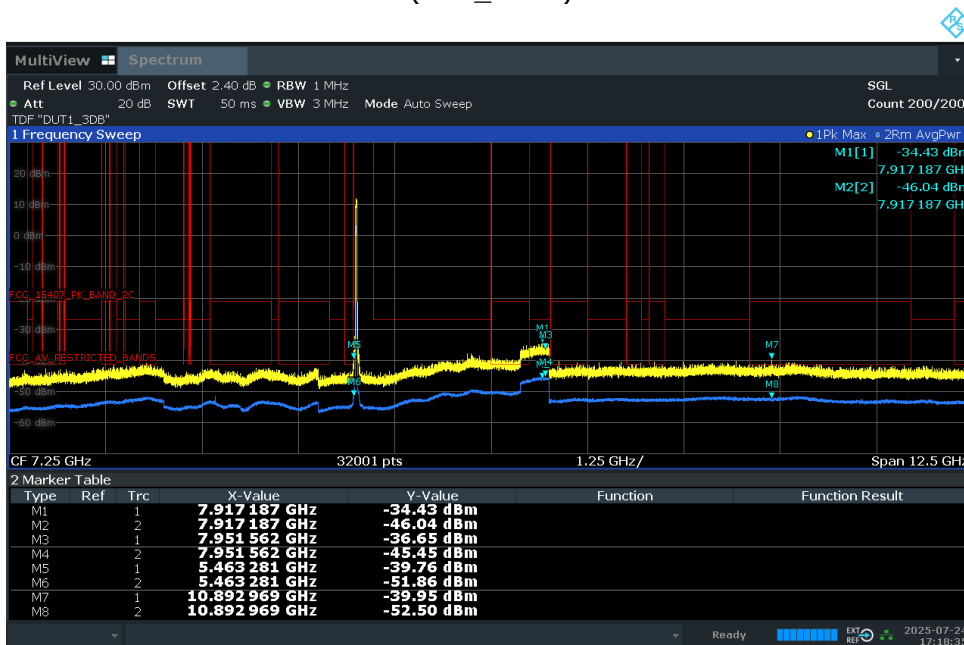
05:48:38 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range =
30MHz - 1GHz, Subband = U-NII-2C
(S01_BC01)

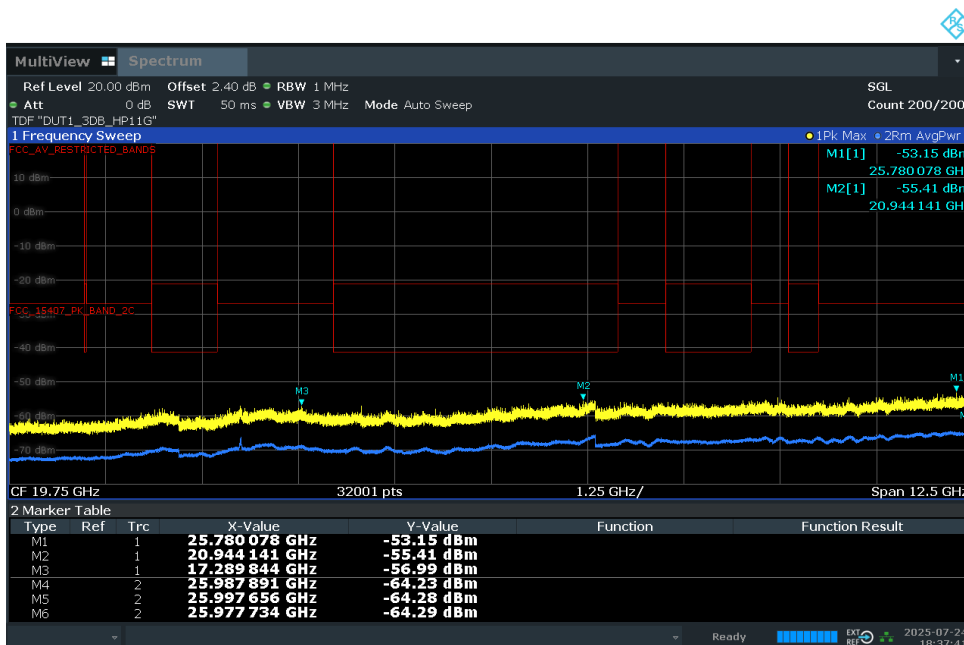


05:48:53 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range = 1GHz - 26GHz, Subband = U-NII-2C (S01_BC01)

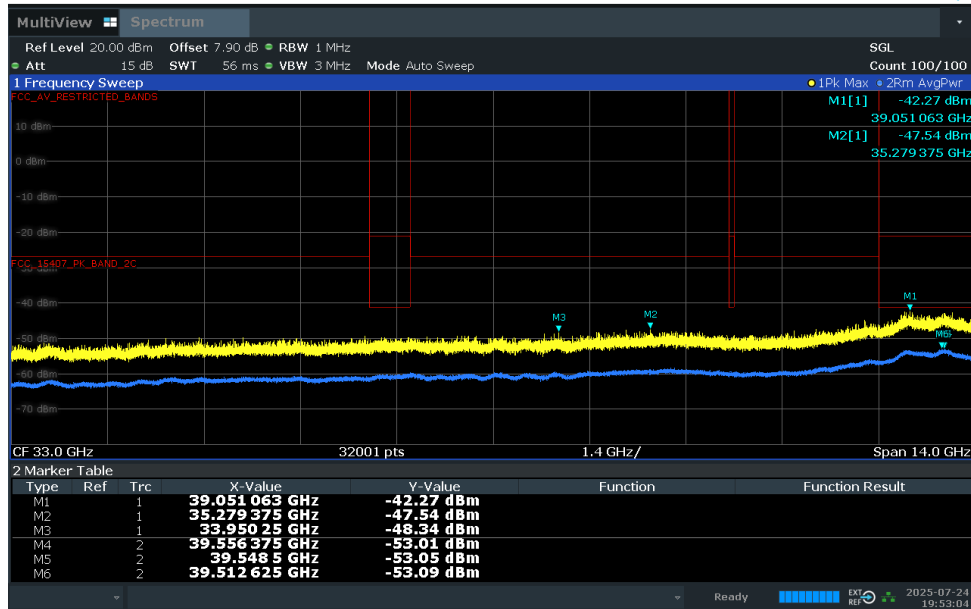


05:18:36 PM 07/24/2025



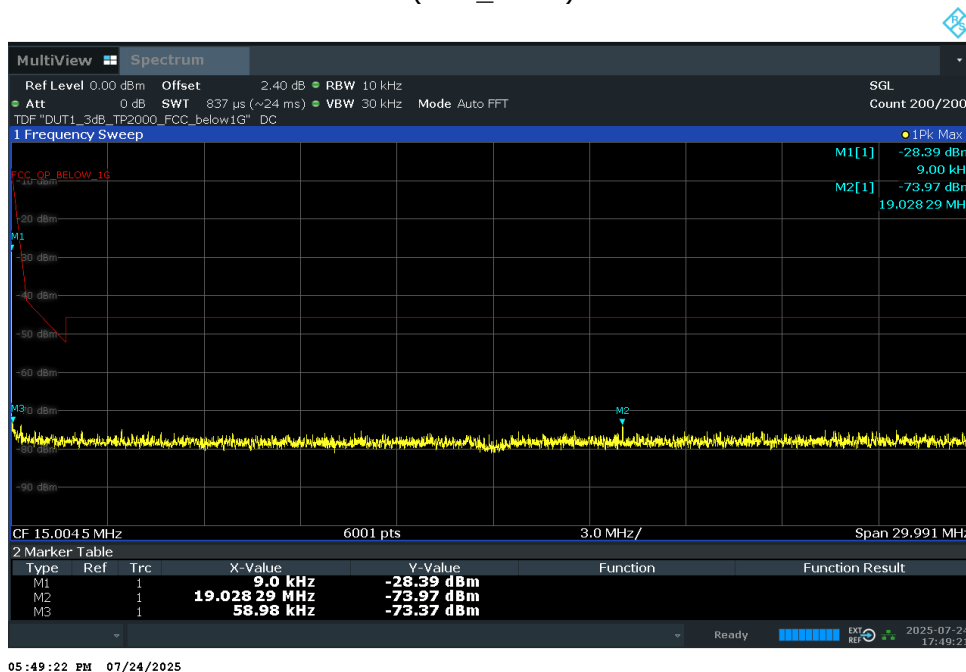
06:37:42 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range =
26GHz - 40GHz, Subband = U-NII-2C
(S01_BC01)



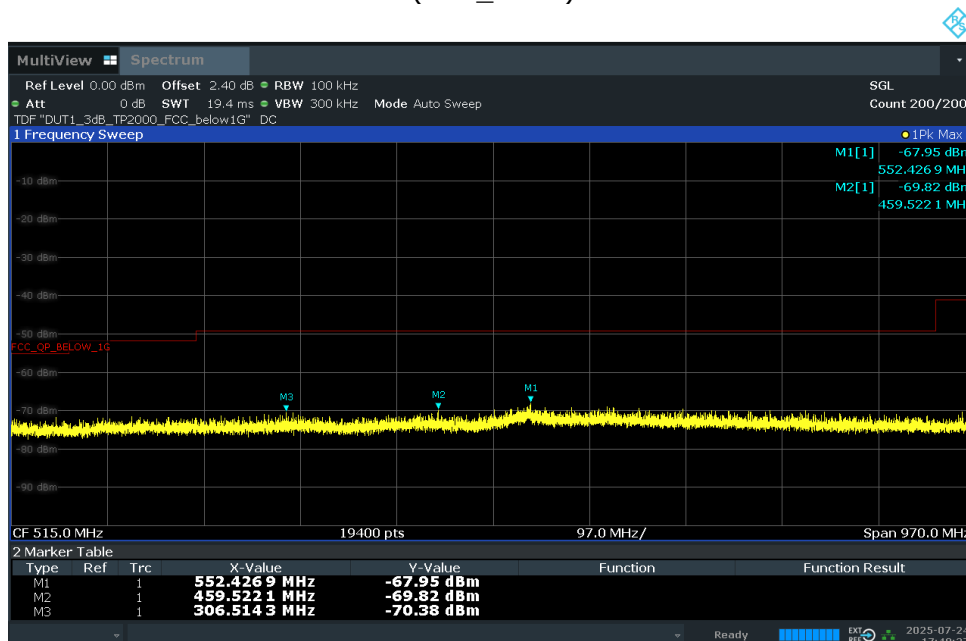
07:53:05 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range = 9kHz - 30MHz, Subband = U-NII-2C (S01_BC01)



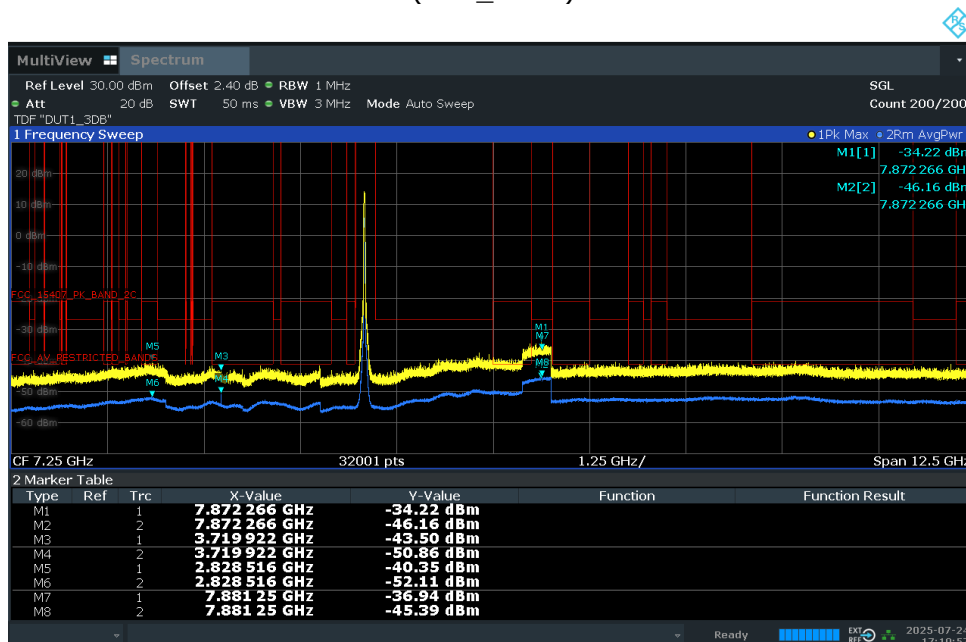
05:49:22 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range = 30MHz - 1GHz, Subband = U-NII-2C (S01_BC01)

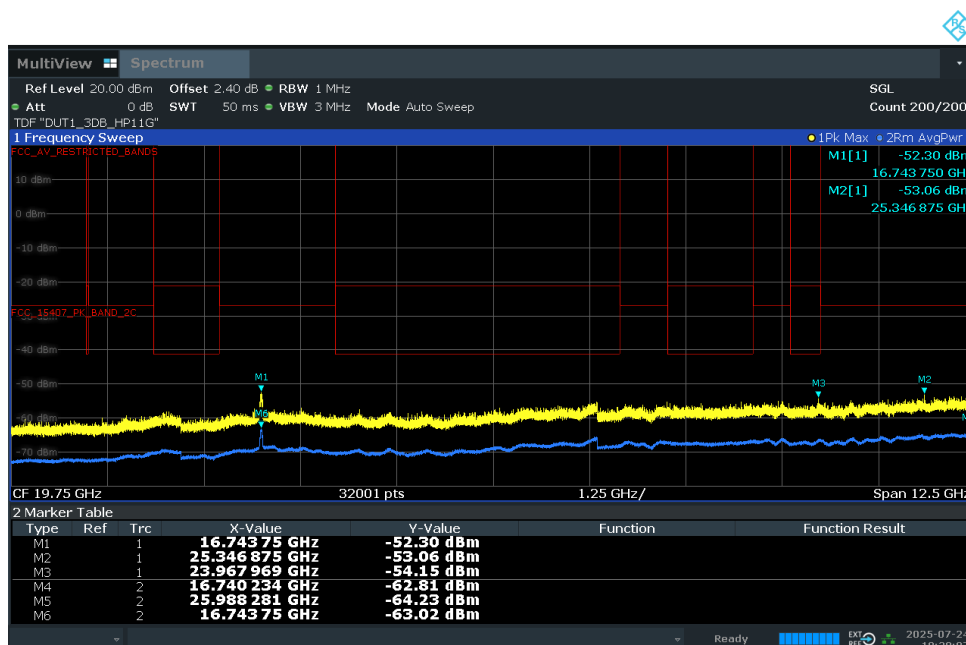


05:49:37 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range =
1GHz - 26GHz, Subband = U-NII-2C
(S01_BC01)

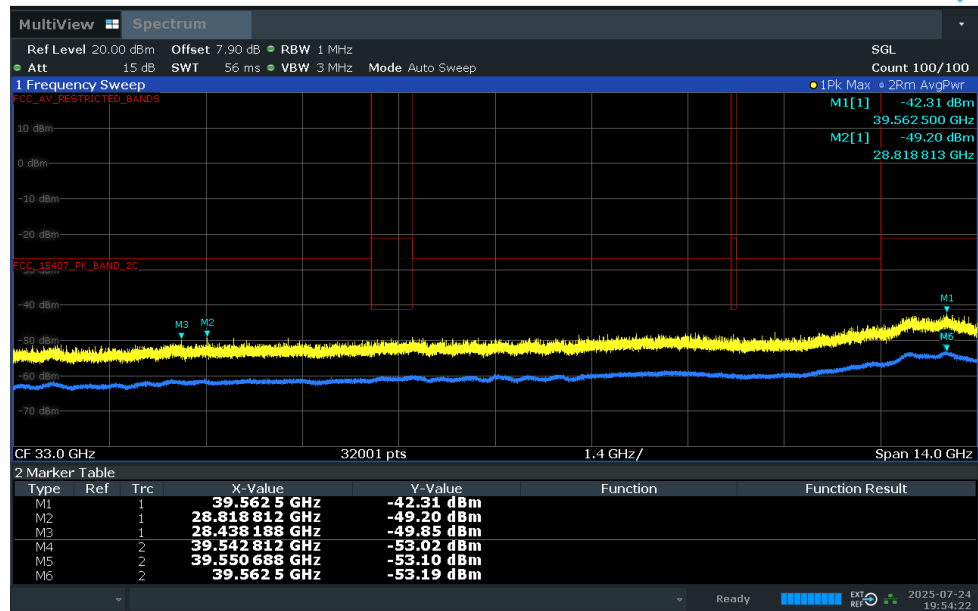


05:19:57 PM 07/24/2025



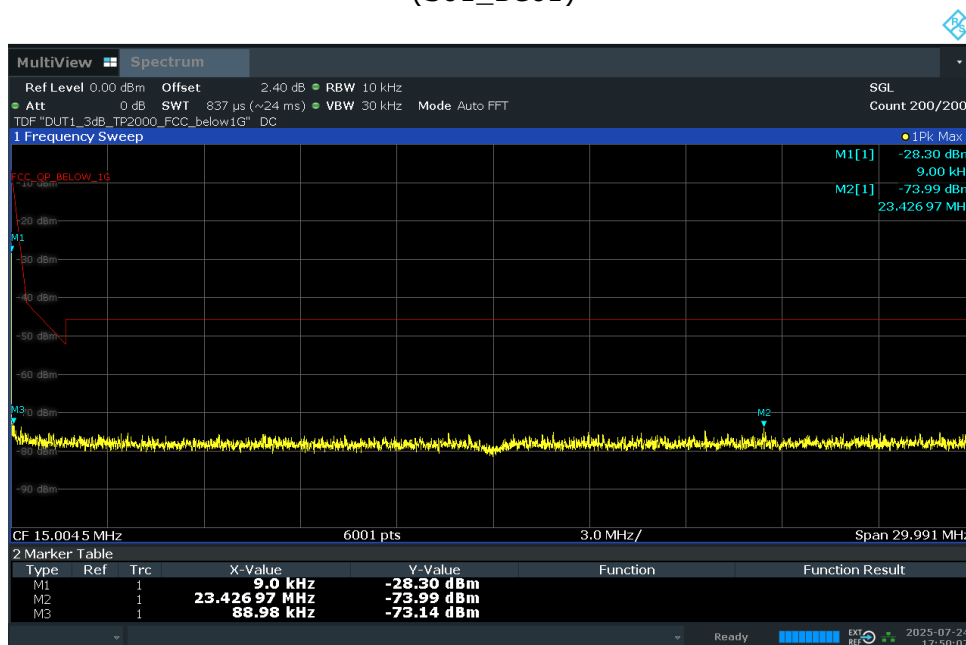
06:39:08 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range =
26GHz - 40GHz, Subband = U-NII-2C
(S01_BC01)



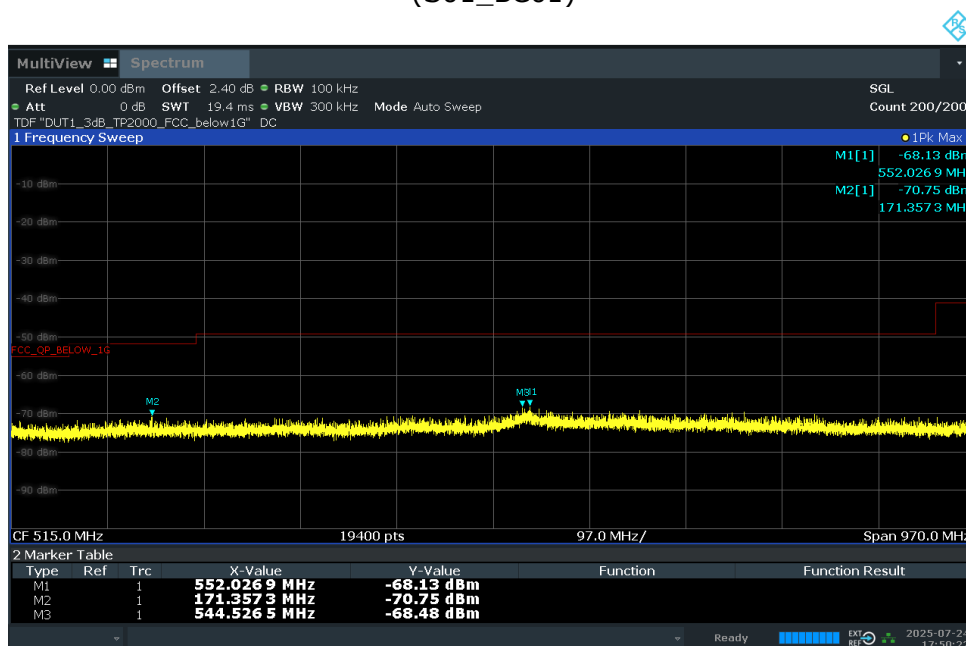
07:54:23 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Measurement range =
9kHz - 30MHz, Subband = U-NII-2C
(S01_BC01)



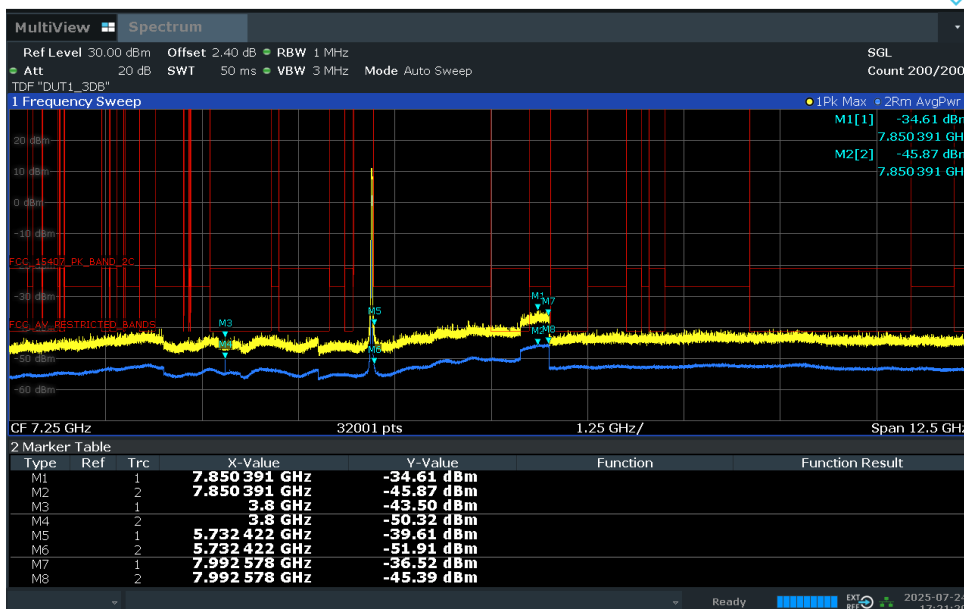
05:50:07 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Measurement range =
30MHz - 1GHz, Subband = U-NII-2C
(S01_BC01)

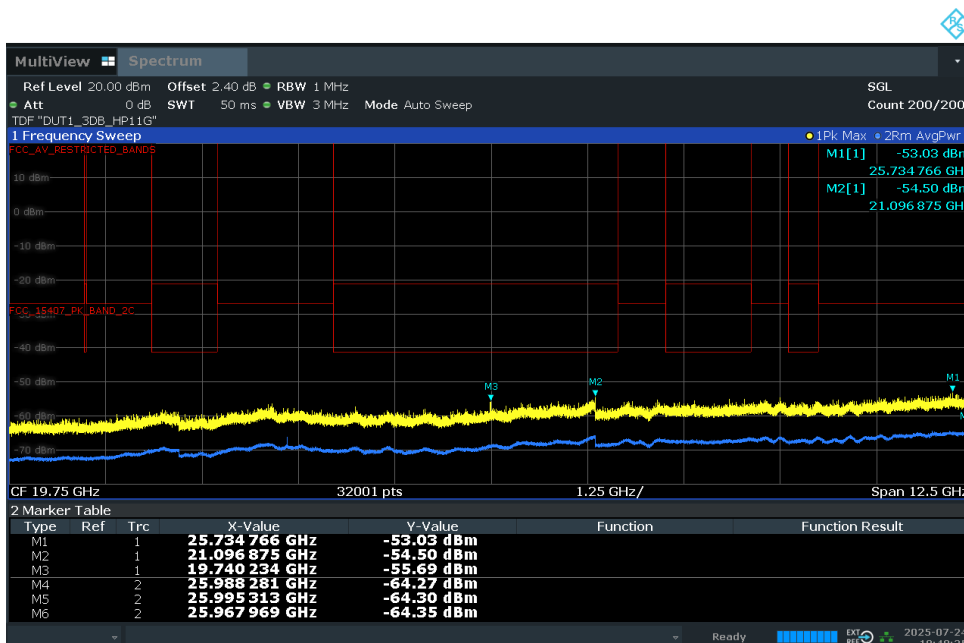


05:50:22 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Measurement range =
1GHz - 26GHz, Subband = U-NII-2C
(S01_BC01)

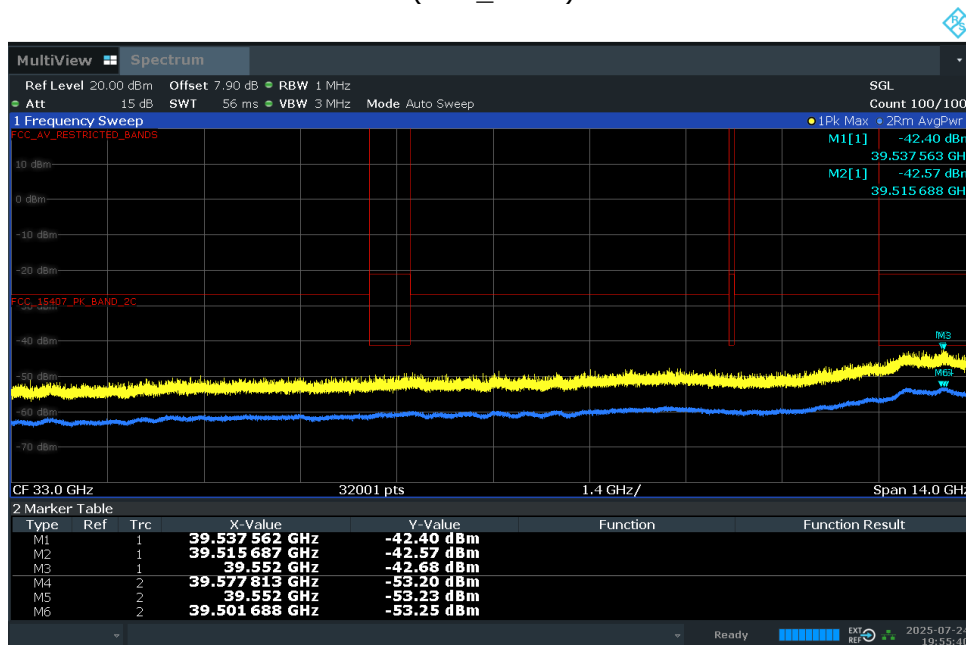


05:21:21 PM 07/24/2025



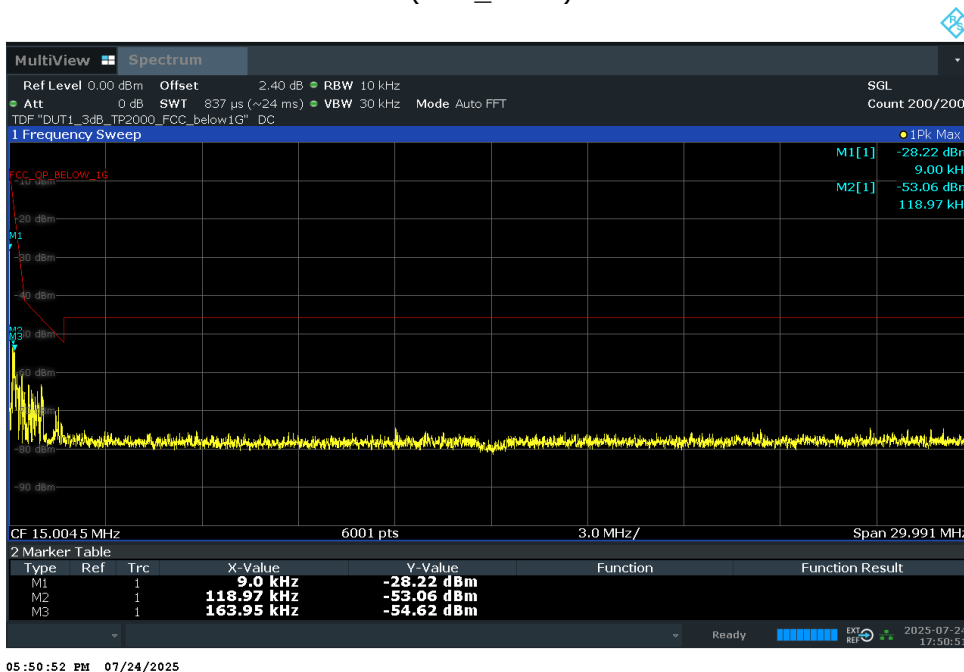
06:40:35 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Measurement range =
26GHz - 40GHz, Subband = U-NII-2C
(S01_BC01)



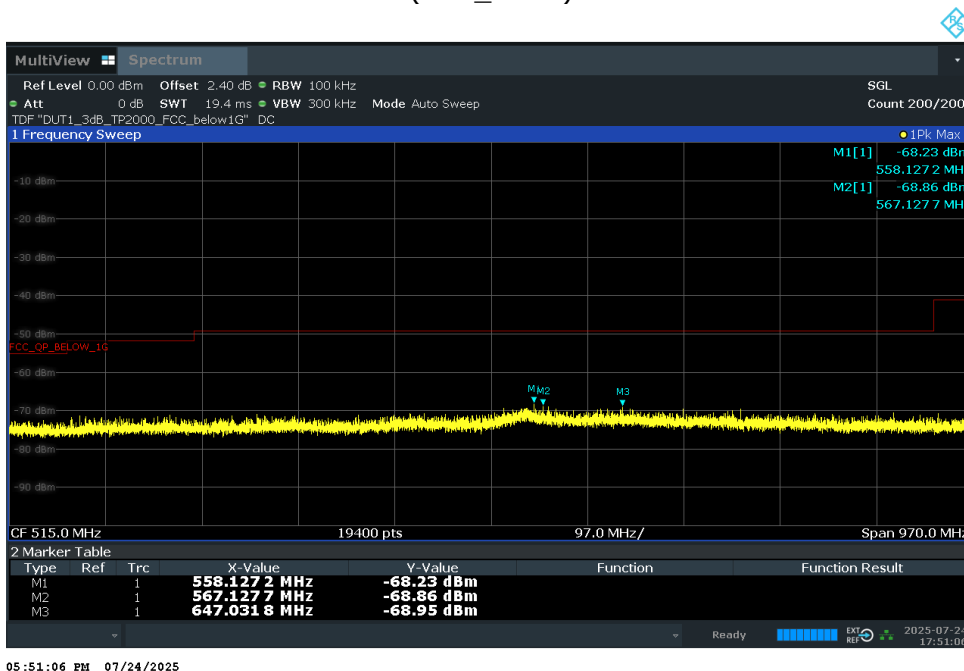
07:55:41 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range =
9kHz - 30MHz, Subband = U-NII-3
(S01_BC01)



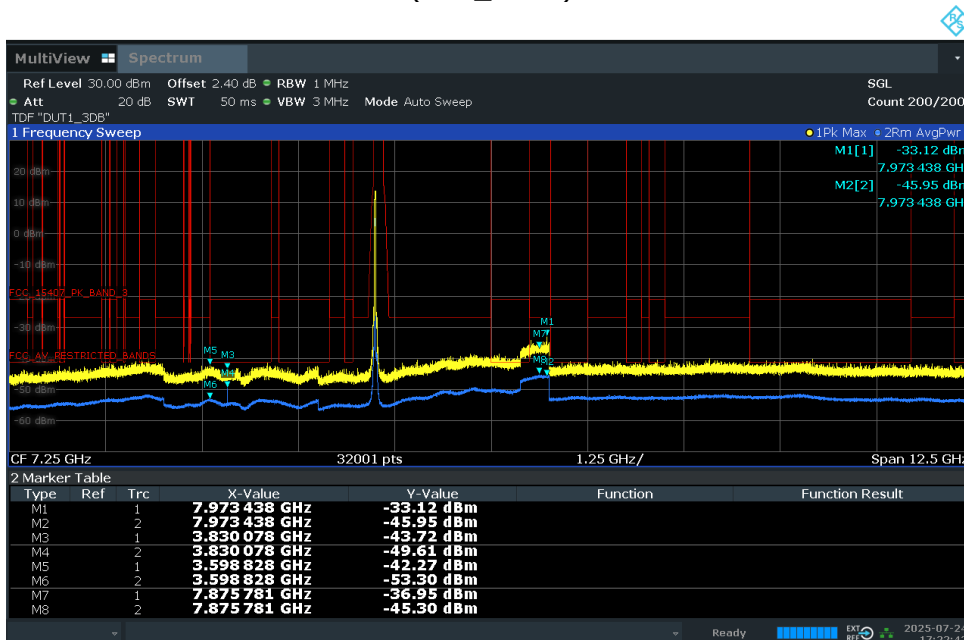
05:50:52 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range =
30MHz - 1GHz, Subband = U-NII-3
(S01_BC01)

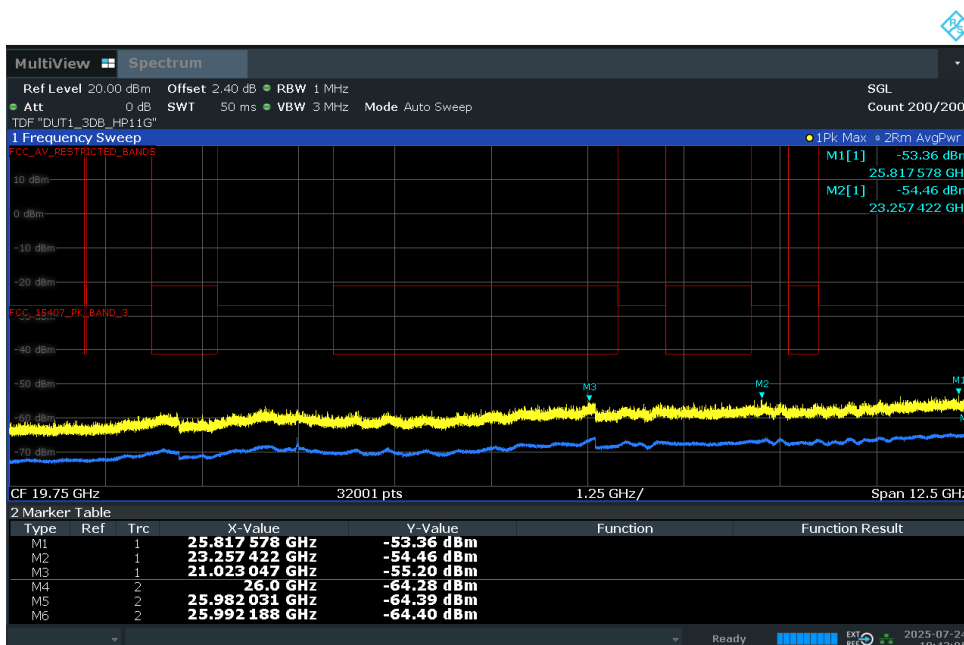


05:51:06 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range = 1GHz - 26GHz, Subband = U-NII-3 (S01_BC01)

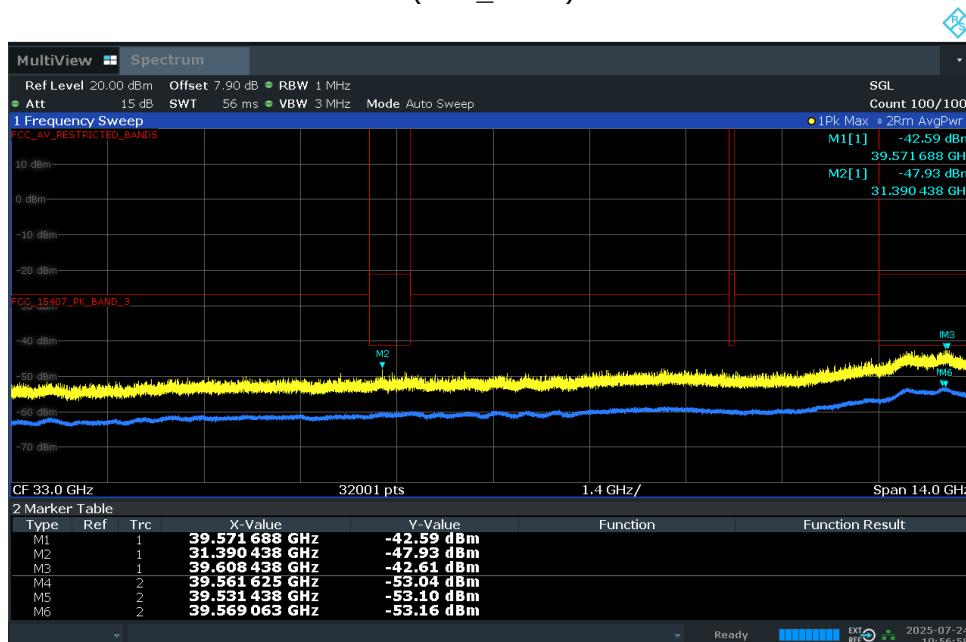


05:22:42 PM 07/24/2025



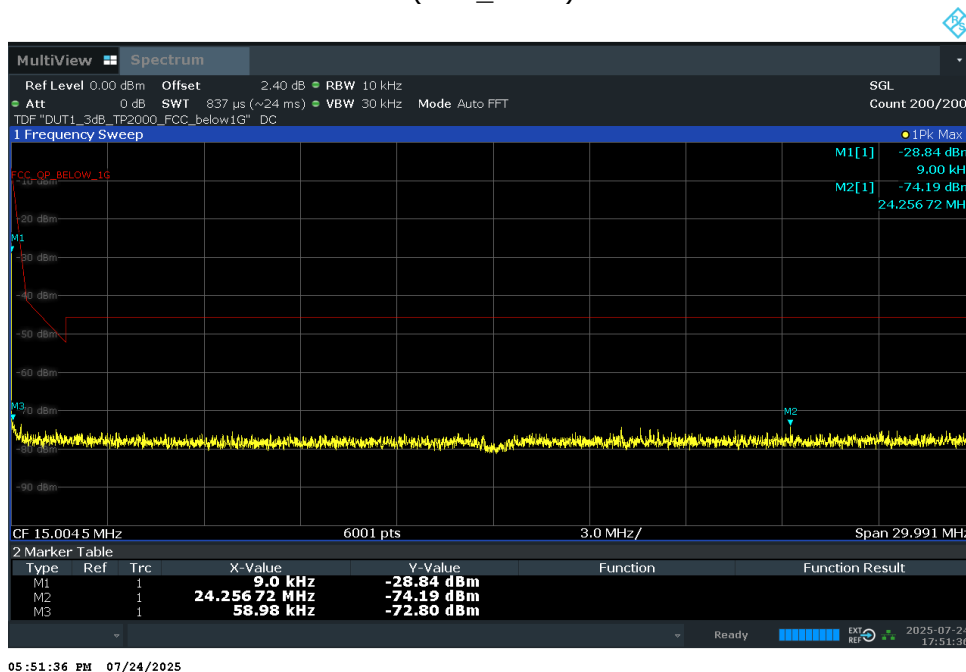
06:42:05 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range =
26GHz - 40GHz, Subband = U-NII-3
(S01_BC01)



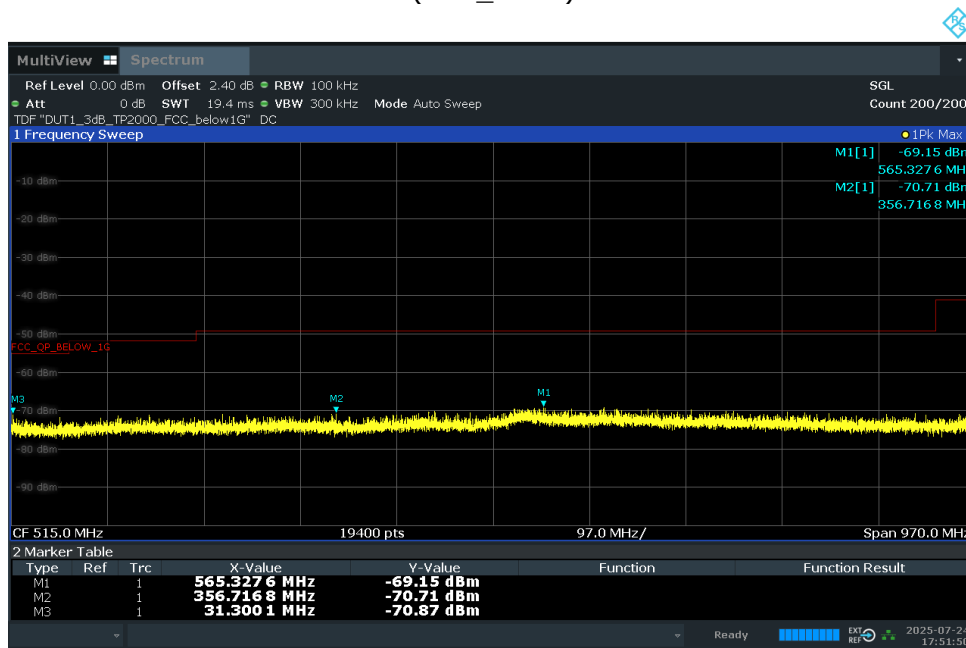
07:56:59 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range =
9kHz - 30MHz, Subband = U-NII-3
(S01_BC01)



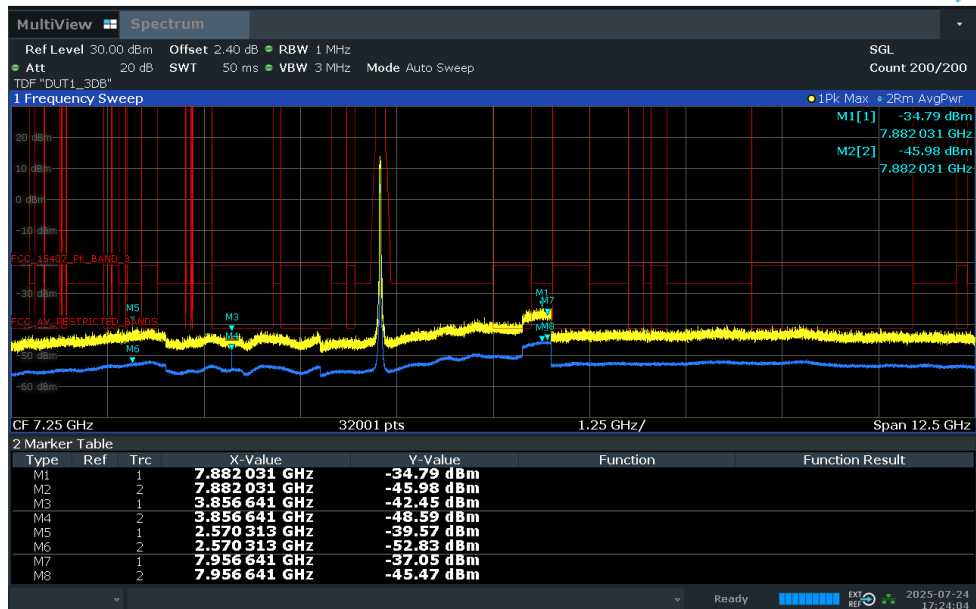
05:51:36 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range =
30MHz - 1GHz, Subband = U-NII-3
(S01_BC01)

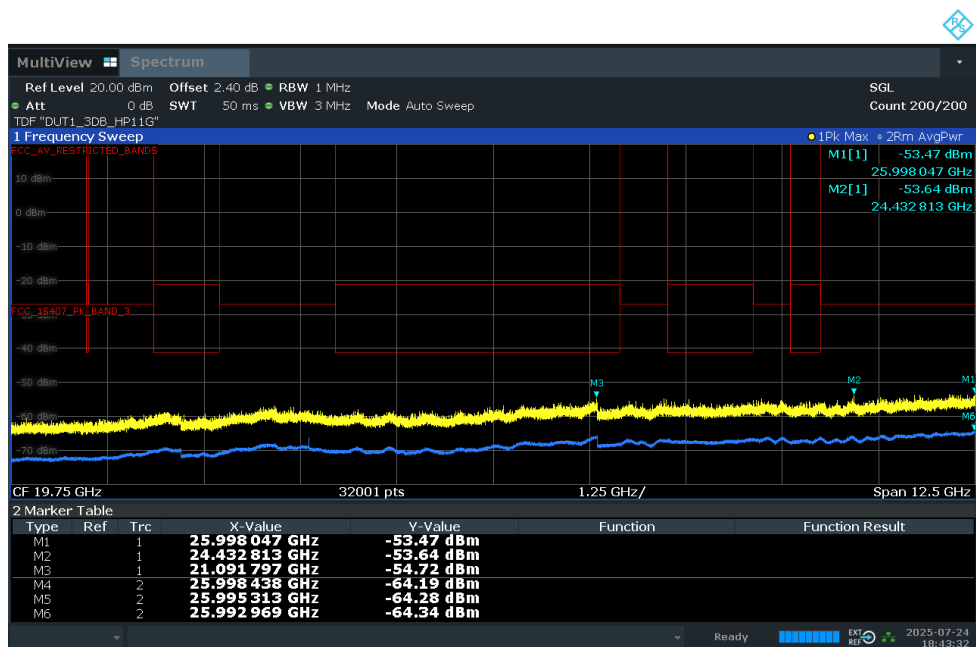


05:51:50 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range =
1GHz - 26GHz, Subband = U-NII-3
(S01_BC01)

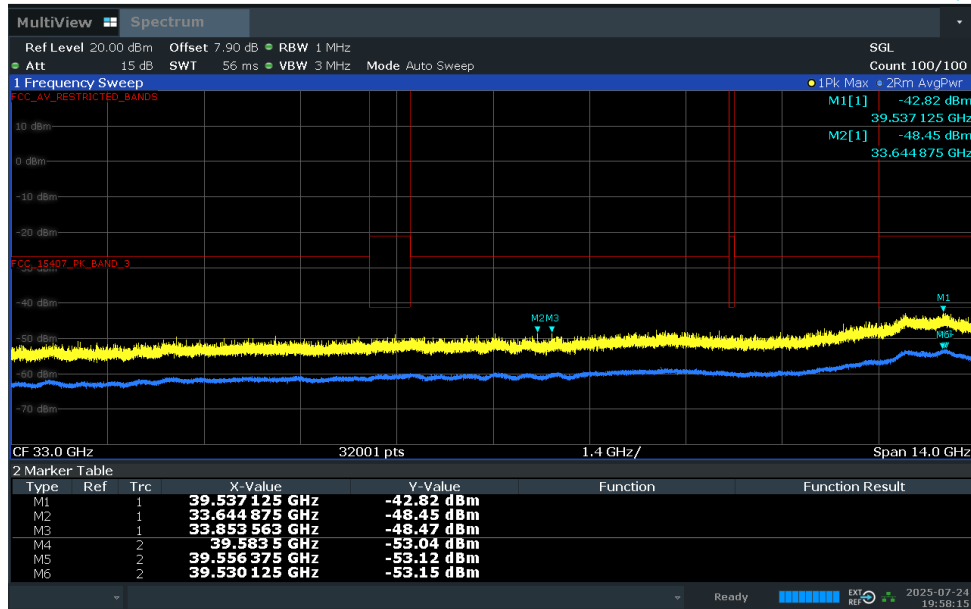


05:24:05 PM 07/24/2025



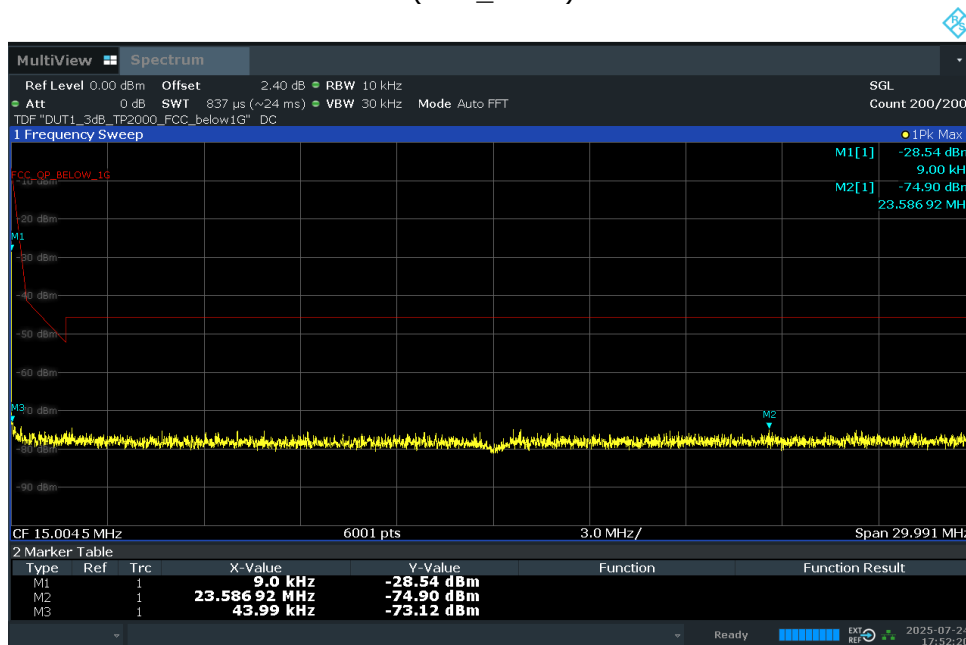
06:43:33 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range =
26GHz - 40GHz, Subband = U-NII-3
(S01_BC01)



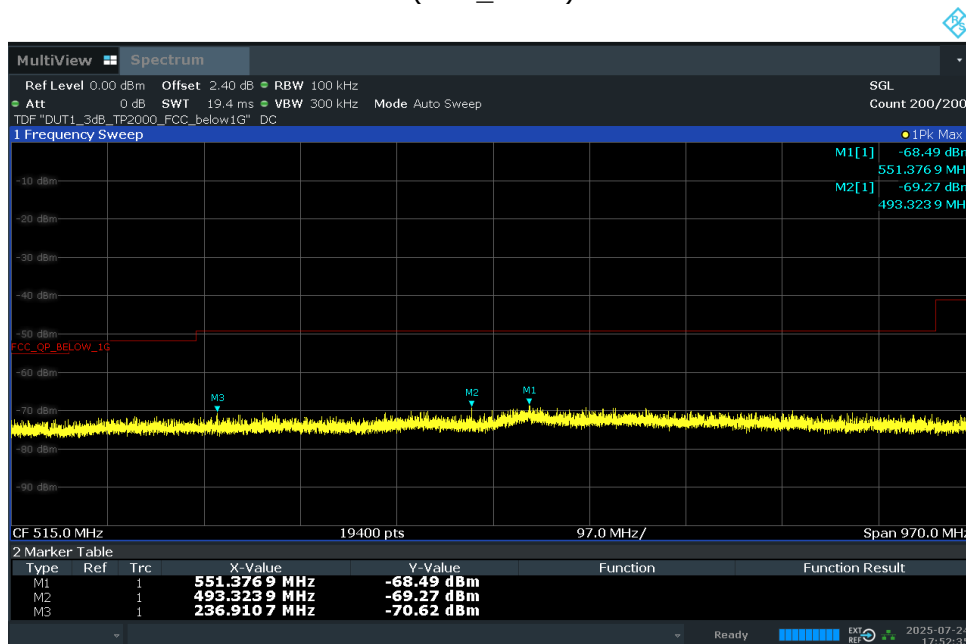
07:58:16 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Measurement range =
9kHz - 30MHz, Subband = U-NII-3
(S01_BC01)



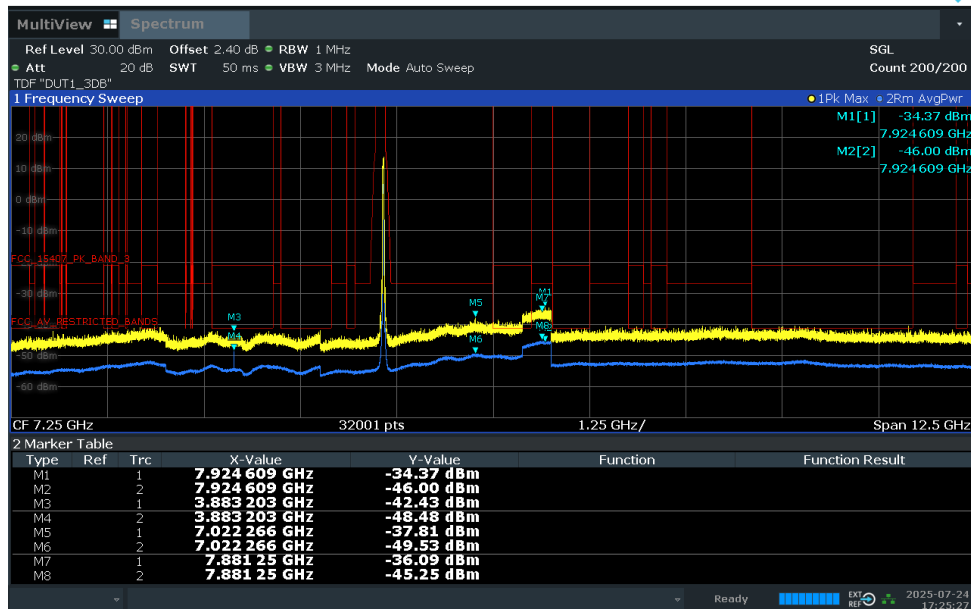
05:52:20 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Measurement range =
30MHz - 1GHz, Subband = U-NII-3
(S01_BC01)

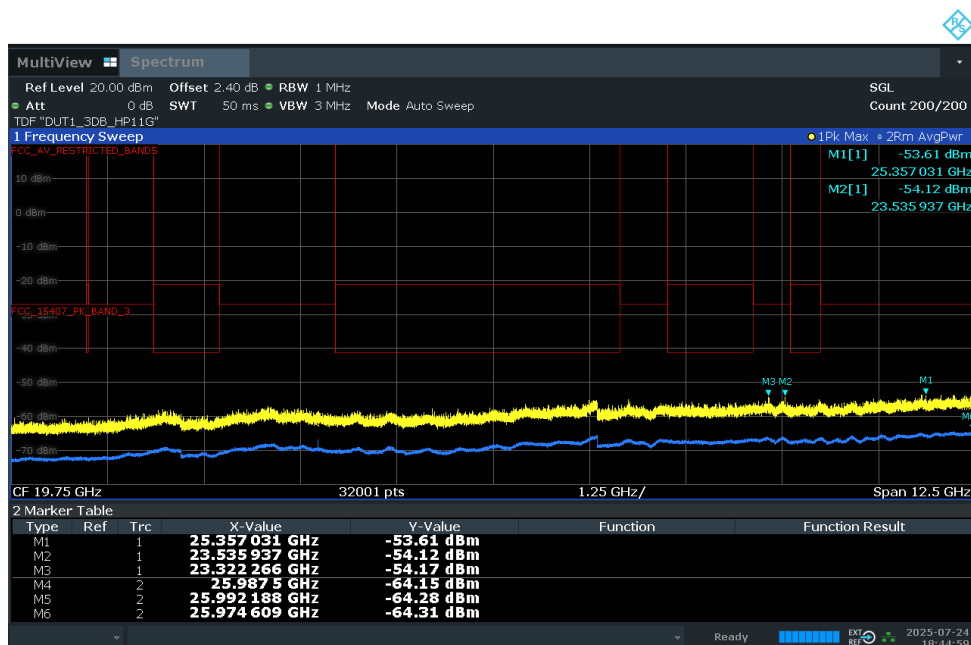


05:52:35 PM 07/24/2025

Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Measurement range = 1GHz - 26GHz, Subband = U-NII-3 (S01_BC01)

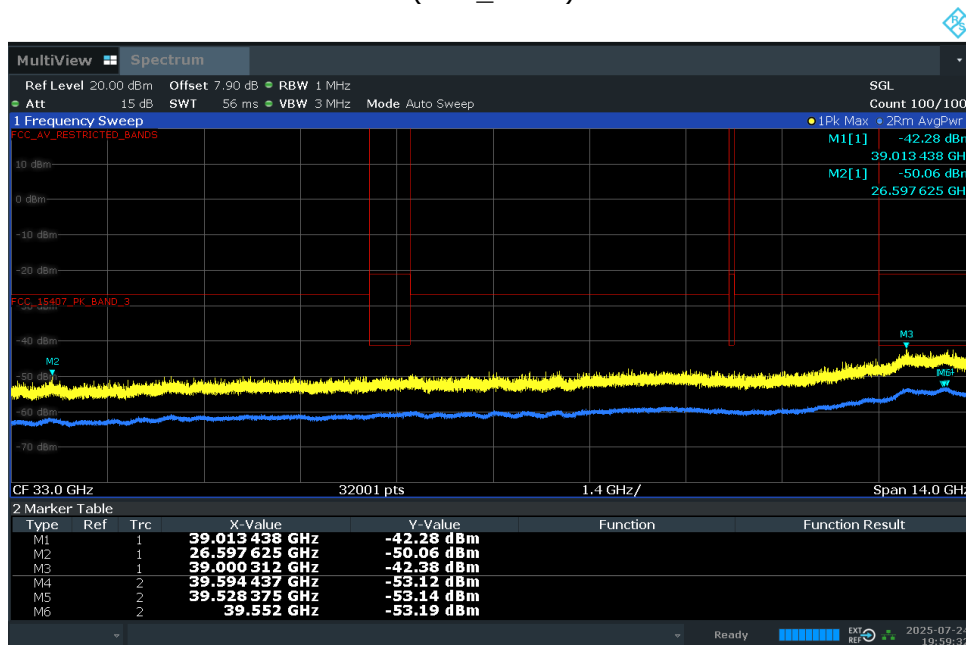


05:25:27 PM 07/24/2025



06:44:59 PM 07/24/2025

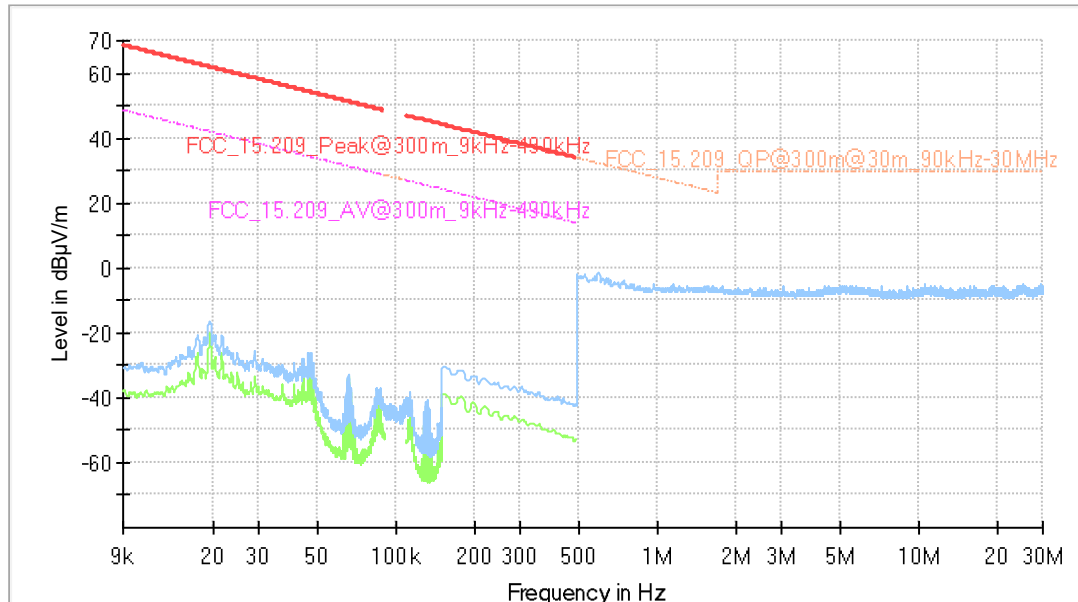
Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Measurement range =
26GHz - 40GHz, Subband = U-NII-3
(S01_BC01)



07:59:33 PM 07/24/2025

Radiated Measurements

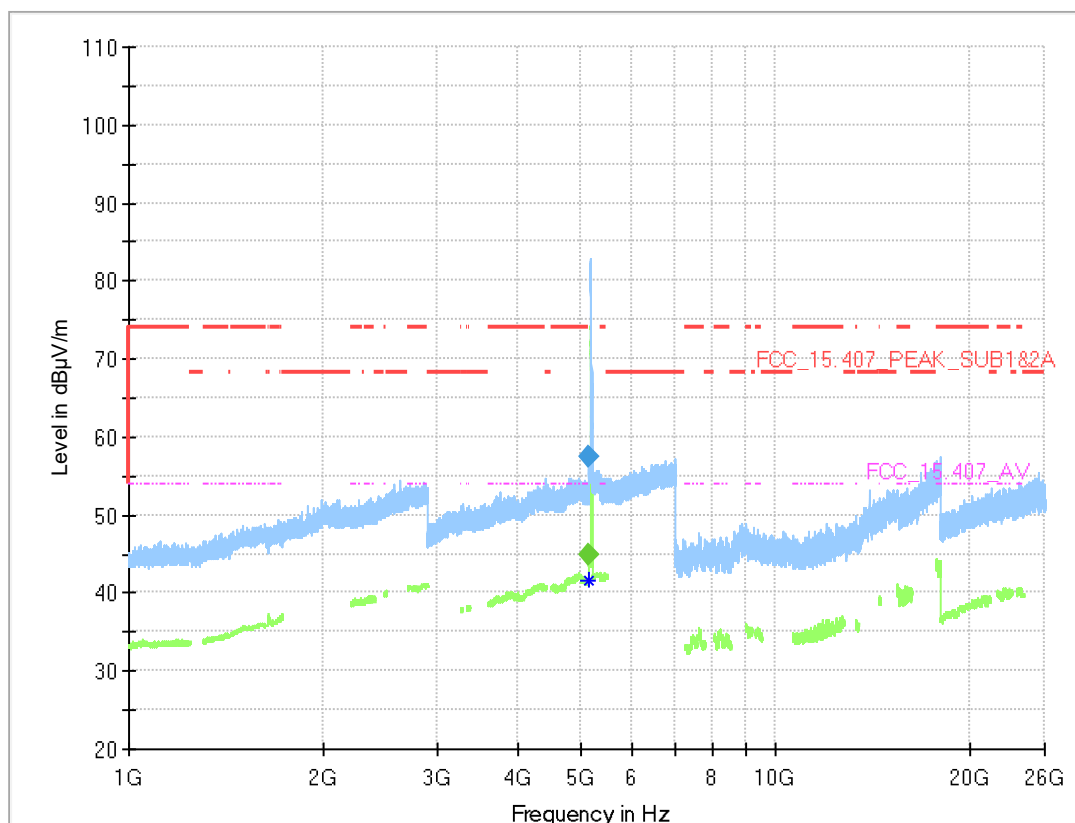
Radio Technology = WLAN a, Operating Frequency = low, Measurement range = 9kHz - 30MHz, Subband = U-NII-1 (S02_BG03)



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---	---	---

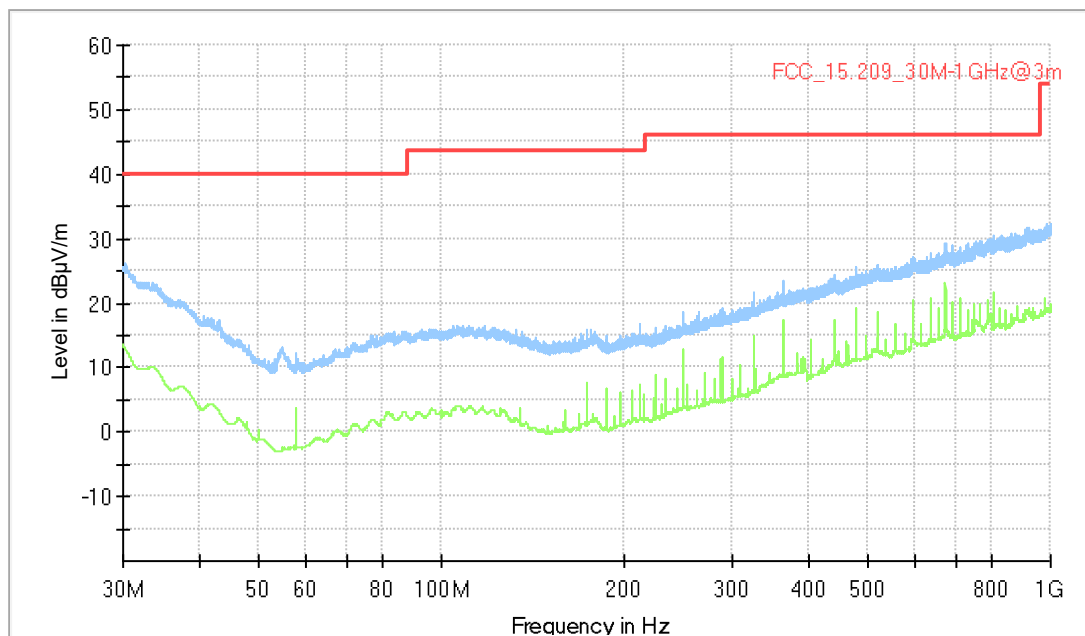
Radio Technology = WLAN a, Operating Frequency = low, Measurement range = 1GHz - 26GHz, Subband = U-NII-1 (S02_BG03)



Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
5150.000	---	44.8	54.00	9.17	1000.0	1000.000	150.0	H	93.0	8.0	15.8
5150.000	57.5	---	74.00	16.50	1000.0	1000.000	150.0	H	93.0	8.0	15.8

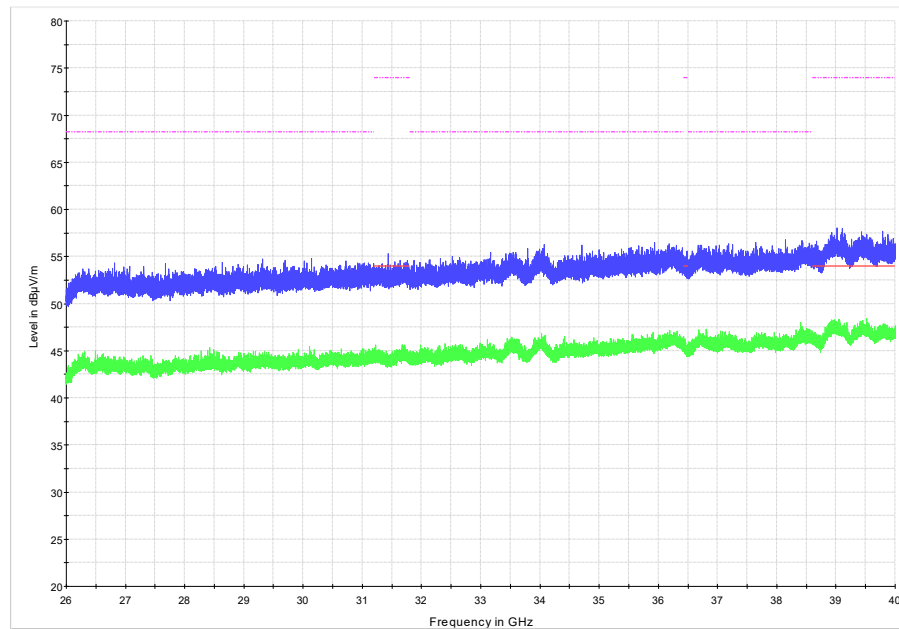
Radio Technology = WLAN a, Operating Frequency = mid, Measurement range = 30MHz - 1GHz, Subband = U-NII-1 (S02_BG03)



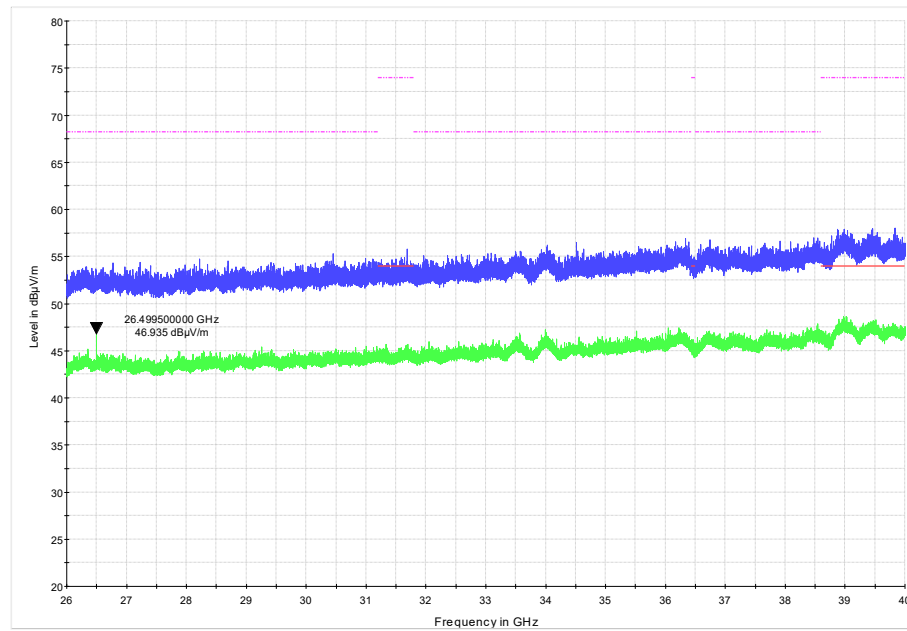
Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---	---	---

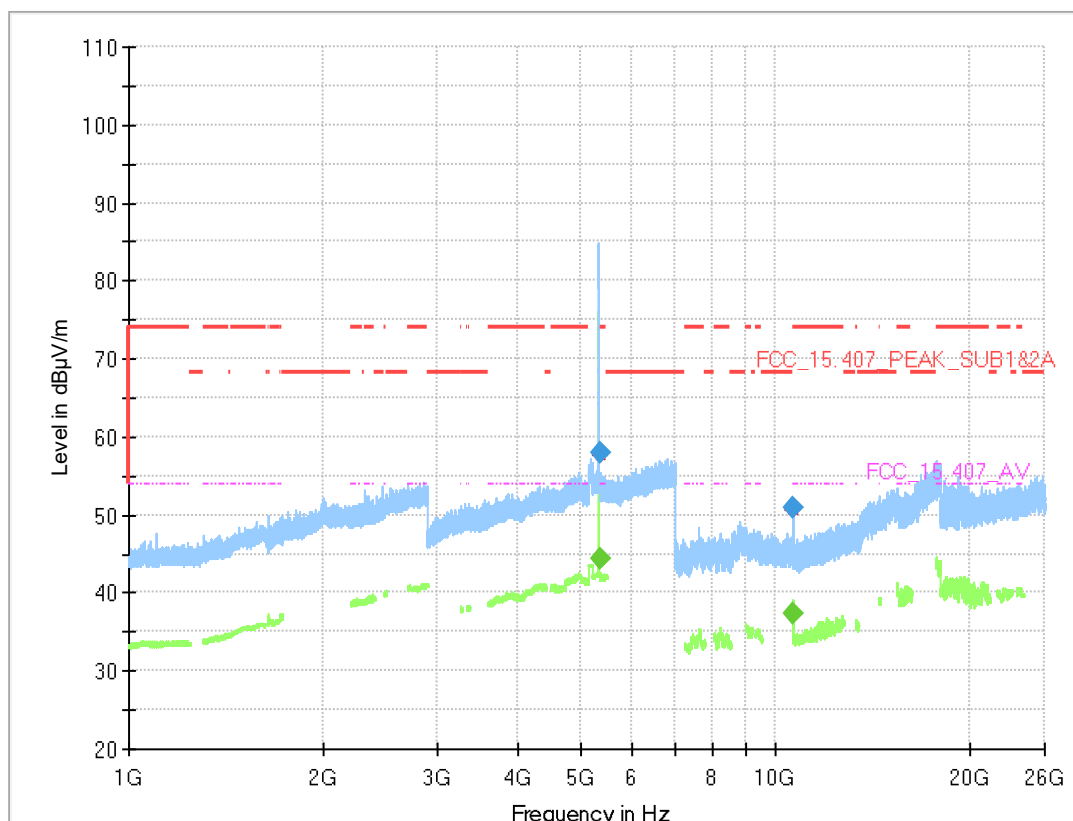
Radio Technology = WLAN a, Operating Frequency = mid, Measurement range = 26GHz - 40GHz, Subband = U-NII-1 (S02_BG03)



Radio Technology = WLAN a, Operating Frequency = mid, Measurement range = 26GHz - 40GHz, Subband = U-NII-2A (S02_BG03)



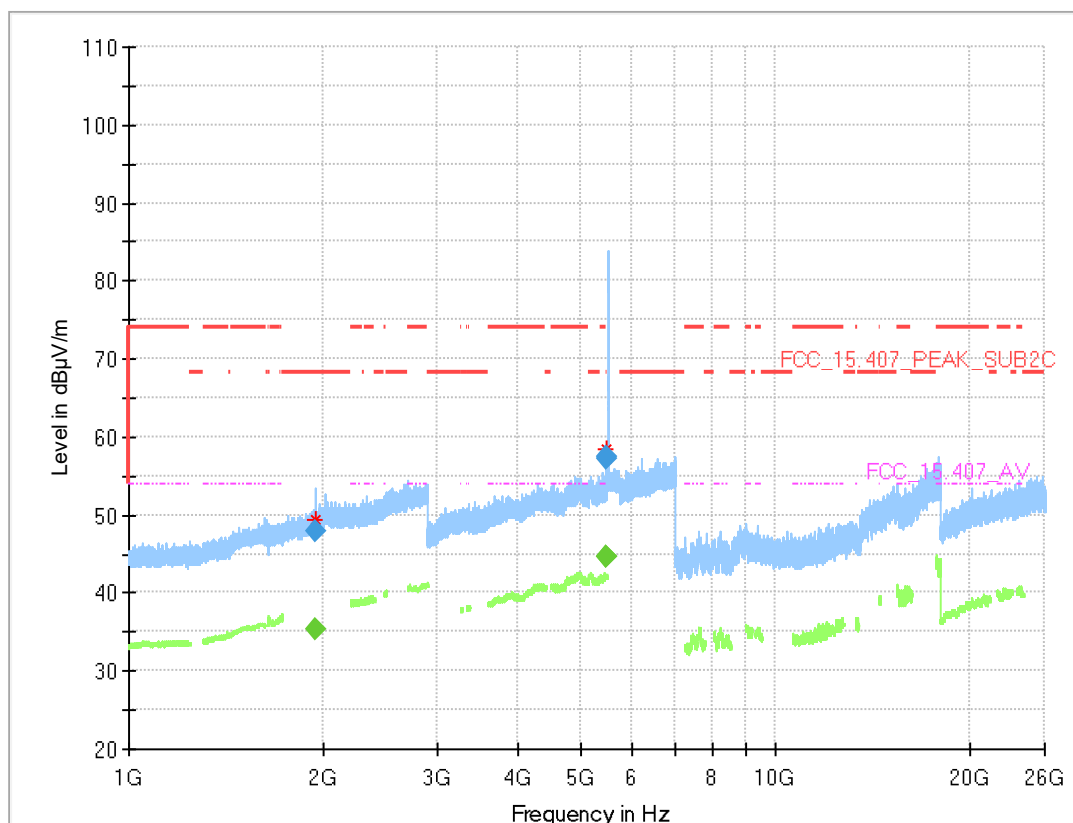
Radio Technology = WLAN a, Operating Frequency = high, Measurement range = 1GHz - 26GHz, Subband = U-NII-2A (S02_BG03)



Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
5350.000	57.9	---	74.00	16.09	1000.0	1000.000	150.0	H	-178.0	15.0	16.2
5350.000	---	44.5	54.00	9.51	1000.0	1000.000	150.0	H	-178.0	15.0	16.2
10638.430	---	37.4	54.00	16.63	1000.0	1000.000	150.0	H	-40.0	90.0	3.3
10638.430	50.8	---	74.00	23.15	1000.0	1000.000	150.0	H	-40.0	90.0	3.3

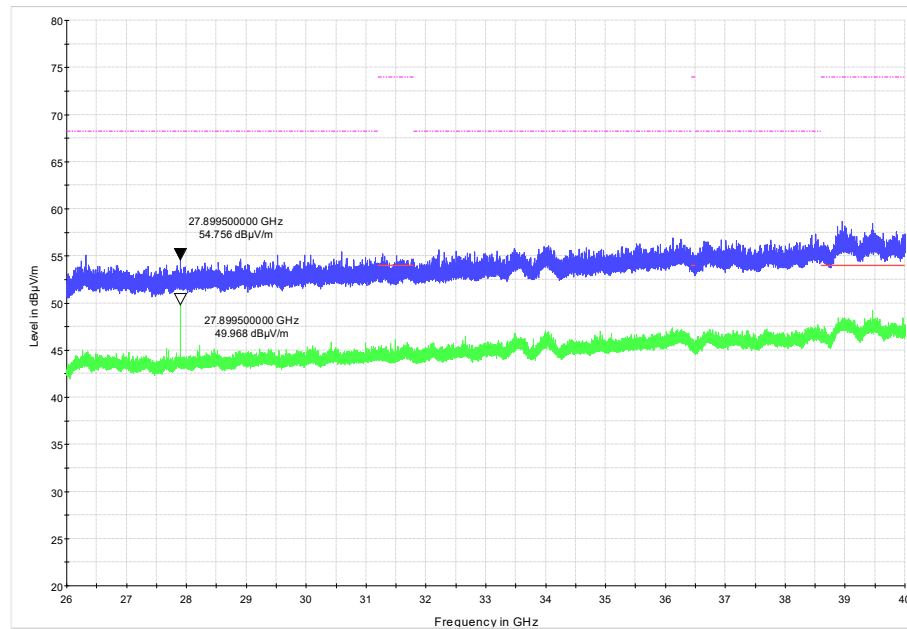
Radio Technology = WLAN a, Operating Frequency = low, Measurement range = 1GHz - 26GHz, Subband = U-NII-2C (S02_BG03)



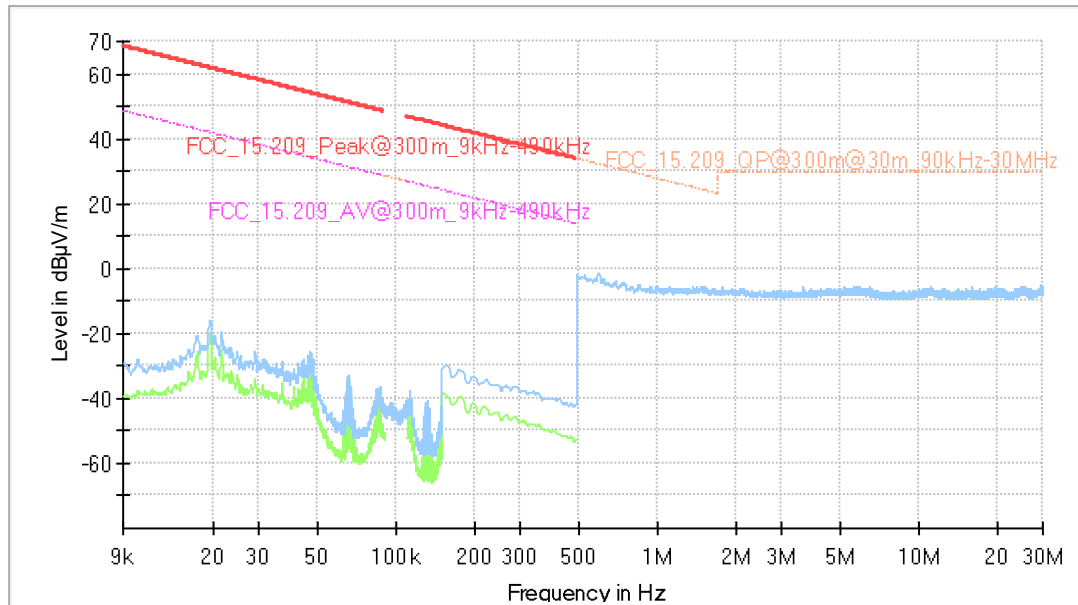
Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
1941.032	---	35.2	---	---	1000.0	1000.000	150.0	V	-145.0	12.0	5.7
1941.032	48.0	---	68.20	20.23	1000.0	1000.000	150.0	V	-145.0	12.0	5.7
5459.890	---	44.7	54.00	9.27	1000.0	1000.000	150.0	H	96.0	-2.0	16.8
5459.890	57.5	---	74.00	16.53	1000.0	1000.000	150.0	H	96.0	-2.0	16.8
5470.000	---	44.6	---	---	1000.0	1000.000	150.0	V	0.0	105.0	16.6
5470.000	57.2	---	---	---	1000.0	1000.000	150.0	V	0.0	105.0	16.6

Radio Technology = WLAN a, Operating Frequency = mid, Measurement range = 26GHz - 40GHz, Subband = U-NII-2C (S02_BG03)



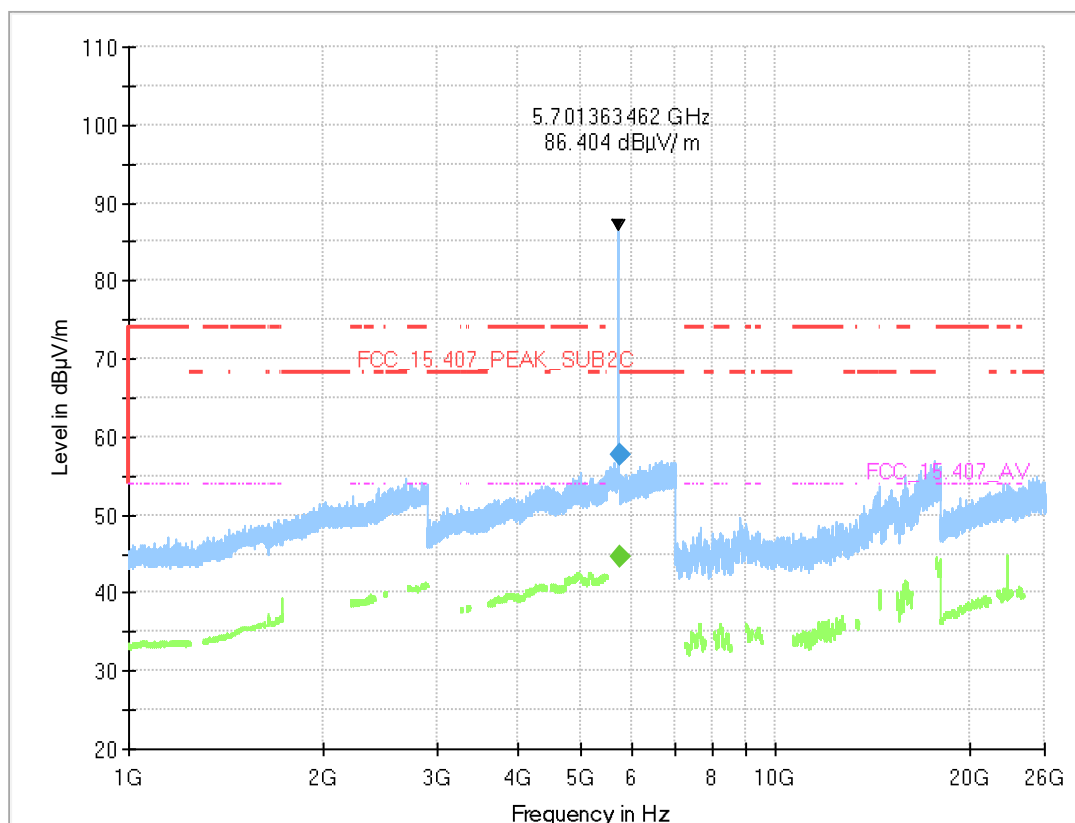
Radio Technology = WLAN a, Operating Frequency = high, Measurement range = 9kHz - 30MHz, Subband = U-NII-2C (S02_BG03)



Final_Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Azimuth h (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---	---	---

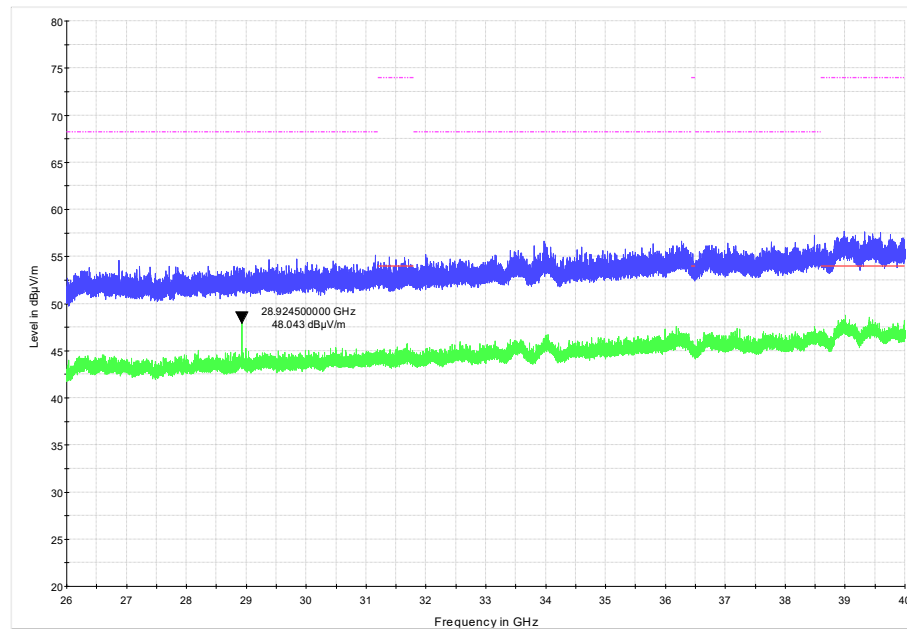
Radio Technology = WLAN a, Operating Frequency = high, Measurement range = 1GHz - 26GHz, Subband = U-NII-2C (S02_BG03)



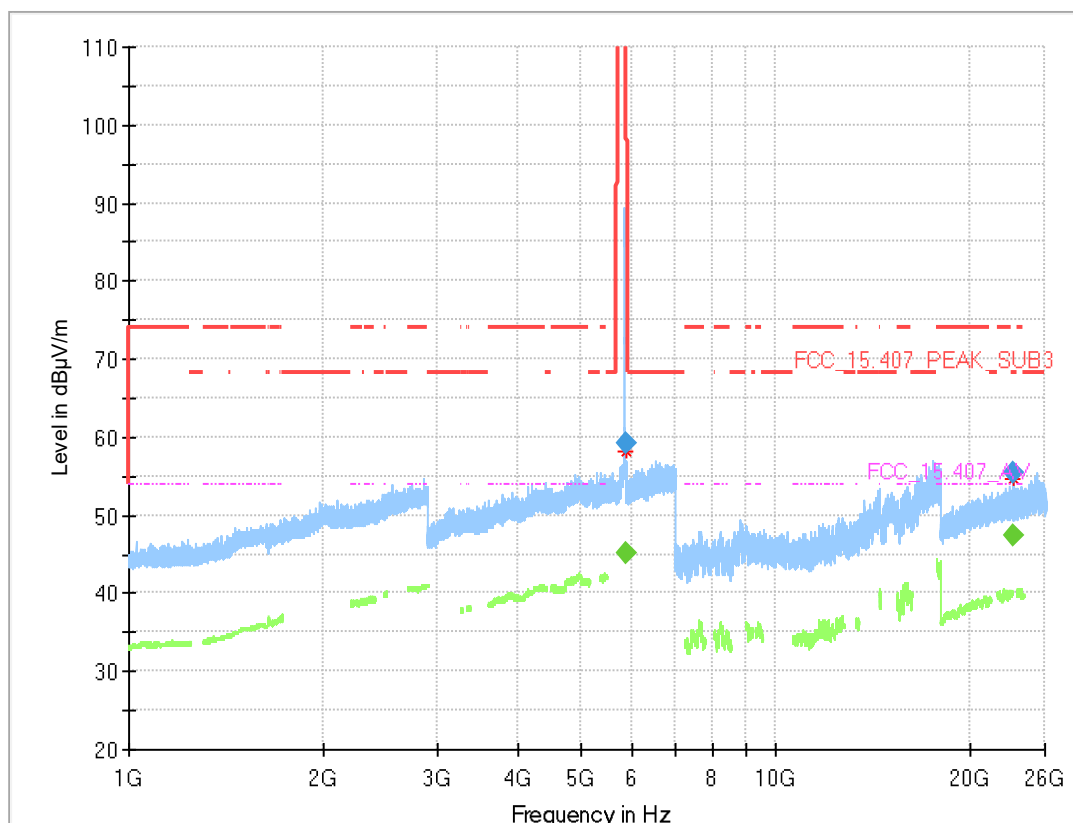
Final_Result

Frequency (MHz)	MaxPeak (dB μ V/m)	CAverage (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
5726.275	57.6	---	68.20	10.60	1000.0	1000.000	150.0	H	-169.0	105.0	16.4
5726.275	---	44.6	---	---	1000.0	1000.000	150.0	H	-169.0	105.0	16.4

Radio Technology = WLAN a, Operating Frequency = mid, Measurement range = 26GHz - 40GHz, Subband = U-NII-3 (S02_BG03)



Radio Technology = WLAN a, Operating Frequency = high, Measurement range = 1GHz - 26GHz, Subband = U-NII-3 (S02_BG03)



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
5851.500	---	45.2	---	---	1000.0	1000.000	150.0	H	-55.0	78.0	16.7
5851.500	59.1	---	118.7	59.67	1000.0	1000.000	150.0	H	-55.0	78.0	16.7
23299.904	---	47.5	---	---	1000.0	1000.000	150.0	H	45.0	79.0	19.3
23299.904	55.4	---	68.20	12.79	1000.0	1000.000	150.0	H	45.0	79.0	19.3

5.6.5 TEST EQUIPMENT USED

- Radiated Emissions SAC H-Field
- Radiated Emissions FAR 5 GHz FCC
- Radiated Emissions SAC up to 1 GHz

5.7 BAND EDGE

Standard **FCC Part 15 Subpart E**

The test was performed according to:

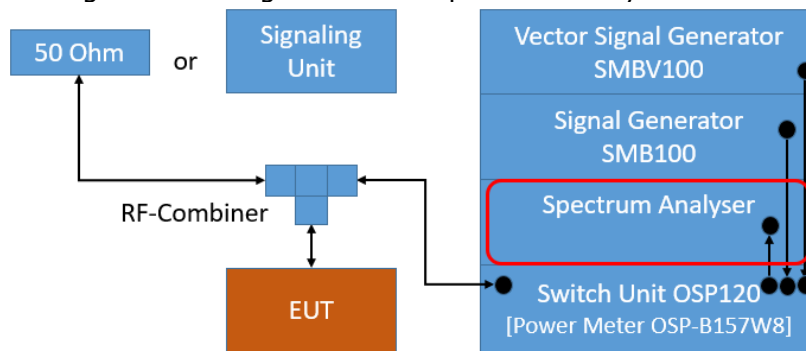
ANSI C63.10, chapter 6.6.5 (radiated measurement), 12.7.6, 12.7.7.2 (conducted measurement)

5.7.1 TEST DESCRIPTION

See test case 5.6 UNDESIRABLE EMISSIONS; GENERAL FIELD STRENGTH LIMITS.

Deviation for conducted measurements:

EUT is connected through a switching unit to the spectrum analyser:



TS8997

Path attenuation is not considered in form of transducer factor but is part of the reference level offset.

Reference Level offset is calculated as follows:

	Meas. Cable Att. Path A [dB]	OSP Att. [dB]	Path Att. OSP – Analyser [dB]	Ant. Gain [dBi]	Resulting Offset [dB]
Bd. 1:	11.2	12.6 - 12.7	0.5	2.4	26.7 – 26.8
Bd. 2A:	11.2	12.7 - 12.8	0.5	2.4	26.8 – 26.9
Bd. 2C:	11.5	12.8 - 12.9	0.5	2.4	27.2 – 27.3
Bd. 3:	11.5	12.9 - 13.2	0.5	2.4	27.3 – 27.6

Where a range is given, the values represent the attenuation at low band edge or high band edge. Where only a single value is given, it represents the highest attenuation value in a band.

5.7.2 TEST REQUIREMENTS / LIMITS

A) FCC

FCC Part 15 Subpart E, §15.407 (b)(1)

For transmitters operating in the 5150–5250 MHz band:

Limit: –27 dBm/MHz EIRP outside of the band 5150–5350 MHz.

FCC Part 15 Subpart E, §15.407 (b)(2)

For transmitters operating in the 5250–5350 MHz band:

Limit: –27 dBm/MHz EIRP outside of the band 5150–5350 MHz.

FCC Part 15 Subpart E, §15.407 (b)(3)

For transmitters operating in the 5470–5725 MHz band:

Limit: –27 dBm/MHz EIRP outside of the band 5470–5725 MHz.

FCC Part 15 Subpart E, §15.407 (b)(4)

For transmitters operating in the 5725–5850 MHz band:

Limit: –27 dBm/MHz at 75 MHz or more above or below the band edge
increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge
increasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edge
increasing linearly to 27 dBm/MHz at the band edge.

B) IC

Different frequency bands and limits apply, as compared to the FCC requirements.

RSS-247, 6.2.1.2, Emissions outside the band 5150–5250 MHz, indoor operation only:

Limit: –27 dBm/MHz EIRP outside of the band 5150–5250 MHz.

RSS-247, 6.2.2.2, Emissions outside the band 5250–5350 MHz:

Limit: –27 dBm/MHz EIRP outside of the band 5250–5350 MHz.

RSS-247, 6.2.3.2, Emissions outside the bands 5470–5600 MHz and 5650–5725 MHz:

Limit: –27 dBm/MHz EIRP outside of the band 5470–5725 MHz.

However, devices with bandwidth overlapping the band edge of 5725 MHz can meet the emission limit of –27 dBm/MHz e.i.r.p. at 5850 MHz instead of 5725 MHz.

Note: No operation is permitted for the frequency range 5600–5650 MHz.

RSS-247, 6.2.4.2, Emissions outside the band 5725–5850 MHz:

- a. 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
- b. 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
- c. 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to –27 dBm/MHz at 75 MHz above or below the band edges; and
- d. –27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

C) FCC & IC

For band edges connected to a restricted band, the limits are specified in Section 15.209(a)

FCC Part 15, Subpart C, §15.209, Radiated Emission Limits

Frequency in MHz	Limit (μV/m)	Measurement distance (m)	Limits (dBμV/m)
0.009 – 0.49	2400/F(kHz)@300m	3	(48.5 – 13.8)@300m
0.49 – 1.705	24000/F(kHz)@30m	3	(33.8 – 23.0)@30m
1.705 – 30	30@30m	3	29.5@30m

The measured values are corrected with an inverse linear distance extrapolation factor (40 dB/decade) according FCC 15.31 (2).

Frequency in MHz	Limit (μV/m)	Measurement distance (m)	Limits (dBμV/m)
30 – 88	100@3m	3	40.0@3m
88 – 216	150@3m	3	43.5@3m
216 – 960	200@3m	3	46.0@3m
960 – 26000	500@3m	3	54.0@3m
26000 – 40000	500@3m	1	54.0@3m

The measured values above 26 GHz are corrected with an inverse linear distance extrapolation factor (20 dB/decade).

§15.35(b) ..., there is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit....

Used conversion factor: $\text{Limit (dB}\mu\text{V/m)} = 20 \log (\text{Limit } (\mu\text{V/m})/1\mu\text{V/m})$

5.7.3 TEST PROTOCOL

Ambient temperature: 21 - 23 °C
 Air Pressure: 45 - 56 hPa
 Humidity: 1005 - 1016 %
 WLAN a-Mode; 20 MHz; 6 Mbit/s
 Applied duty cycle correction (AV): 0.1 dB

U- NII- Band	Measurement Method	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBμV/m]	Detec- tor	RBW [kHz]	Limit [dBμV/ m]	Margin [dB]	Limit Type
1	Conducted	5180	5150.0	56.3	PEAK	1000	74.0	17.7	BE-RB
1	Conducted	5180	5150.0	44.3	AV	1000	54.0	9.7	BE-RB
1	Radiated	5180	5150.0	57.5	PEAK	1000	74.0	16.5	BE-RB
1	Radiated	5180	5150.0	44.9	AV	1000	54.0	9.1	BE-RB
2A	Radiated	5300	5350.0	57.9	PEAK	1000	74.0	16.1	BE-RB
2A	Radiated	5300	5350.0	44.6	AV	1000	54.0	9.4	BE-RB
2A	Conducted	5300	5350.0	55.6	PEAK	1000	74.0	18.4	BE-RB
2A	Conducted	5300	5350.0	44.5	AV	1000	54.0	9.5	BE-RB
2A	Conducted	5320	5350.0	56.1	PEAK	1000	74.0	17.9	BE-RB
2A	Conducted	5320	5350.0	44.3	AV	1000	54.0	9.7	BE-RB
2C	Radiated	5500	5460.0	57.5	PEAK	1000	74.0	16.5	BE-RB
2C	Radiated	5500	5460.0	44.8	AV	1000	54.0	9.2	BE-RB
2C	Radiated	5500	5470.0	57.2	PEAK	1000	68.2	11.0	BE-UE
2C	Conducted	5500	5460.0	53.6	PEAK	1000	74.0	20.4	BE-RB
2C	Conducted	5500	5460.0	42.2	AV	1000	54.0	11.8	BE-RB
2C	Conducted	5500	5470.0	57.8	PEAK	1000	68.2	10.4	BE-UE
2C	Conducted	5520	5460.0	55.7	PEAK	1000	74.0	18.3	BE-RB
2C	Conducted	5520	5460.0	42.4	AV	1000	54.0	11.6	BE-RB
2C	Conducted	5520	5470.0	57.8	PEAK	1000	68.2	10.4	BE-UE
2C	Conducted	5680	5725.0	59.1	PEAK	1000	68.2	9.1	BE-UE
2C	Conducted	5700	5725.0	63.1	PEAK	1000	68.2	5.1	BE-UE
2C	Radiated	5700	5725.0	57.6	PEAK	1000	68.2	10.6	BE-UE
3	Conducted	5745	5725.0	66.2	PEAK	1000	122.2	56.0	BE-UE
3	Conducted	5825	5850.0	61.7	PEAK	1000	122.2	60.5	BE-UE
3	Radiated	5825	5850.0	59.1	PEAK	1000	118.7	59.6	BE-UE

WLAN n-Mode; 20 MHz; MCS 0; SISO
Applied duty cycle correction (AV): 0.1 dB

U-NII-Band	Measurement Method	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBμV/m]	Detector	RBW [kHz]	Limit [dBμV/m]	Margin [dB]	Limit Type
1	Conducted	5180	5150.0	69.5	PEAK	1000	74.0	4.5	BE-RB
1	Conducted	5180	5150.0	44.8	AV	1000	54.0	9.2	BE-RB
2A	Conducted	5300	5350.0	61.0	PEAK	1000	74.0	13.0	BE-RB
2A	Conducted	5300	5350.0	44.3	AV	1000	54.0	9.7	BE-RB
2A	Conducted	5320	5350.0	68.9	PEAK	1000	74.0	5.1	BE-RB
2A	Conducted	5320	5350.0	46.6	AV	1000	54.0	7.4	BE-RB
2C	Conducted	5500	5460.0	60.4	PEAK	1000	74.0	13.6	BE-RB
2C	Conducted	5500	5460.0	40.9	AV	1000	54.0	13.1	BE-RB
2C	Conducted	5500	5470.0	64.0	PEAK	1000	68.2	4.2	BE-UE
2C	Conducted	5520	5460.0	57.0	PEAK	1000	74.0	17.0	BE-RB
2C	Conducted	5520	5460.0	42.7	AV	1000	54.0	11.3	BE-RB
2C	Conducted	5520	5470.0	61.2	PEAK	1000	68.2	7.0	BE-UE
2C	Conducted	5680	5725.0	60.8	PEAK	1000	68.2	7.4	BE-UE
2C	Conducted	5700	5725.0	61.4	PEAK	1000	68.2	6.8	BE-UE
3	Conducted	5745	5725.0	68.0	PEAK	1000	122.2	54.2	BE-UE
3	Conducted	5825	5850.0	62.1	PEAK	1000	122.2	60.1	BE-UE

WLAN ac-Mode; 20 MHz; MCS 0; SISO
Applied duty cycle correction (AV): 0.1 dB

U-NII-Band	Measurement Method	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBμV/m]	Detector	RBW [kHz]	Limit [dBμV/m]	Margin [dB]	Limit Type
1	Conducted	5180	5150.0	67.3	PEAK	1000	74.0	6.7	BE-RB
1	Conducted	5180	5150.0	45.3	AV	1000	54.0	8.7	BE-RB
2A	Conducted	5300	5350.0	59.3	PEAK	1000	74.0	14.7	BE-RB
2A	Conducted	5300	5350.0	44.1	AV	1000	54.0	9.9	BE-RB
2A	Conducted	5320	5350.0	62.9	PEAK	1000	74.0	11.1	BE-RB
2A	Conducted	5320	5350.0	44.6	AV	1000	54.0	9.4	BE-RB
2C	Conducted	5500	5460.0	59.6	PEAK	1000	74.0	14.4	BE-RB
2C	Conducted	5500	5460.0	41.2	AV	1000	54.0	12.8	BE-RB
2C	Conducted	5500	5470.0	59.7	PEAK	1000	68.2	8.5	BE-UE
2C	Conducted	5520	5460.0	56.2	PEAK	1000	74.0	17.8	BE-RB
2C	Conducted	5520	5460.0	42.6	AV	1000	54.0	11.4	BE-RB
2C	Conducted	5520	5470.0	60.3	PEAK	1000	68.2	7.9	BE-UE
2C	Conducted	5680	5725.0	61.0	PEAK	1000	68.2	7.2	BE-UE
2C	Conducted	5700	5725.0	62.0	PEAK	1000	68.2	6.2	BE-UE
3	Conducted	5745	5725.0	68.1	PEAK	1000	122.2	54.1	BE-UE
3	Conducted	5825	5850.0	63.2	PEAK	1000	122.2	59.0	BE-UE

WLAN ax-Mode; 20 MHz; MCS 0; SISO

Applied duty cycle correction (AV): 0.1 dB

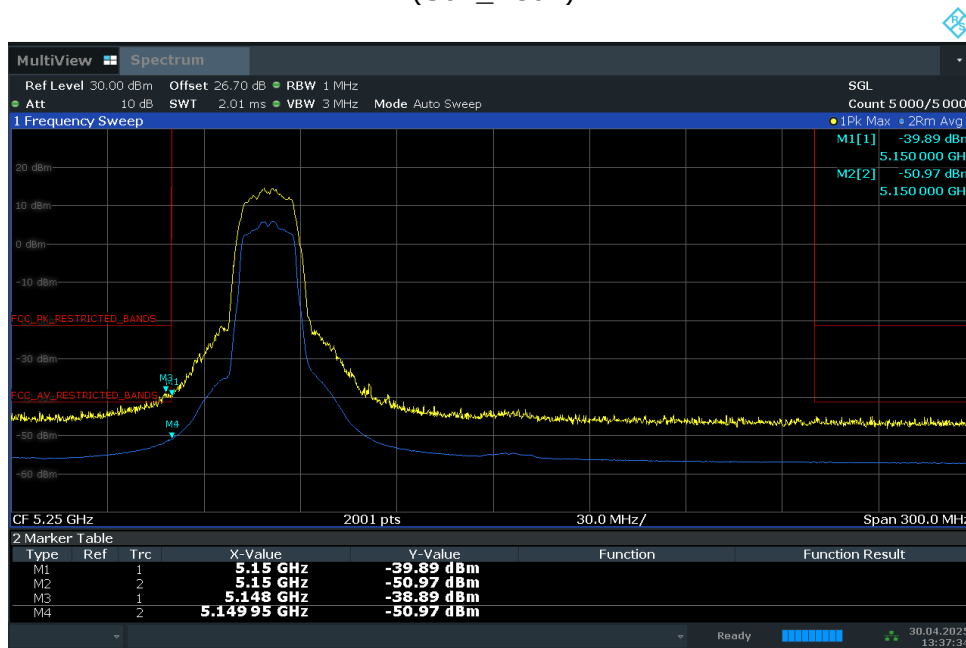
U-NII-Band	Measurement Method	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBμV/m]	Detector	RBW [kHz]	Limit [dBμV/m]	Margin [dB]	Limit Type
1	Conducted	5180	5150.0	64.8	PEAK	1000	74.0	9.2	BE-RB
1	Conducted	5180	5150.0	46.5	AV	1000	54.0	7.5	BE-RB
2A	Conducted	5300	5350.0	62.6	PEAK	1000	74.0	11.4	BE-RB
2A	Conducted	5300	5350.0	45.1	AV	1000	54.0	8.9	BE-RB
2A	Conducted	5320	5350.0	65.0	PEAK	1000	74.0	9.0	BE-RB
2A	Conducted	5320	5350.0	46.6	AV	1000	54.0	7.4	BE-RB
2C	Conducted	5500	5460.0	57.7	PEAK	1000	74.0	16.3	BE-RB
2C	Conducted	5500	5460.0	42.4	AV	1000	54.0	11.6	BE-RB
2C	Conducted	5500	5470.0	61.8	PEAK	1000	68.2	6.4	BE-UE
2C	Conducted	5520	5460.0	54.7	PEAK	1000	74.0	19.3	BE-RB
2C	Conducted	5520	5460.0	41.1	AV	1000	54.0	12.9	BE-RB
2C	Conducted	5520	5470.0	56.5	PEAK	1000	68.2	11.7	BE-UE
2C	Conducted	5680	5725.0	64.1	PEAK	1000	68.2	4.1	BE-UE
2C	Conducted	5700	5725.0	63.1	PEAK	1000	68.2	5.1	BE-UE
3	Conducted	5745	5725.0	71.3	PEAK	1000	122.2	50.9	BE-UE
3	Conducted	5825	5850.0	68.0	PEAK	1000	122.2	54.2	BE-UE

Remark: Radiated measurements were performed with 50 Ohm termination at the antenna port.
Please see next sub-clause for the measurement plot.

5.7.4 MEASUREMENT PLOT (EXAMPLE PLOT, SHOWING WORST CASE, IF APPLICABLE)

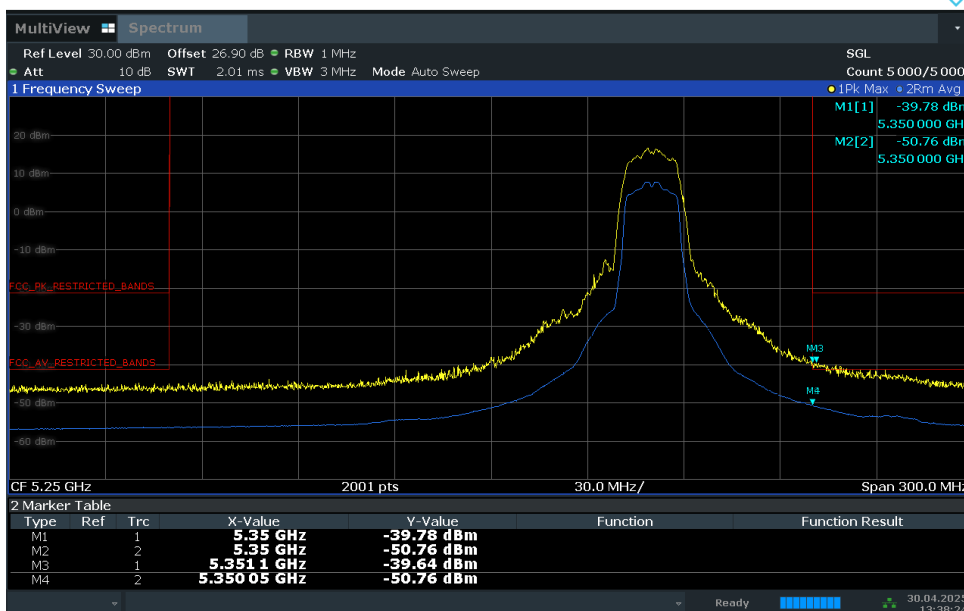
Conducted Measurements

Radio Technology = WLAN a, Operating Frequency = low, Subband = U-NII-1
(S01_BC01)



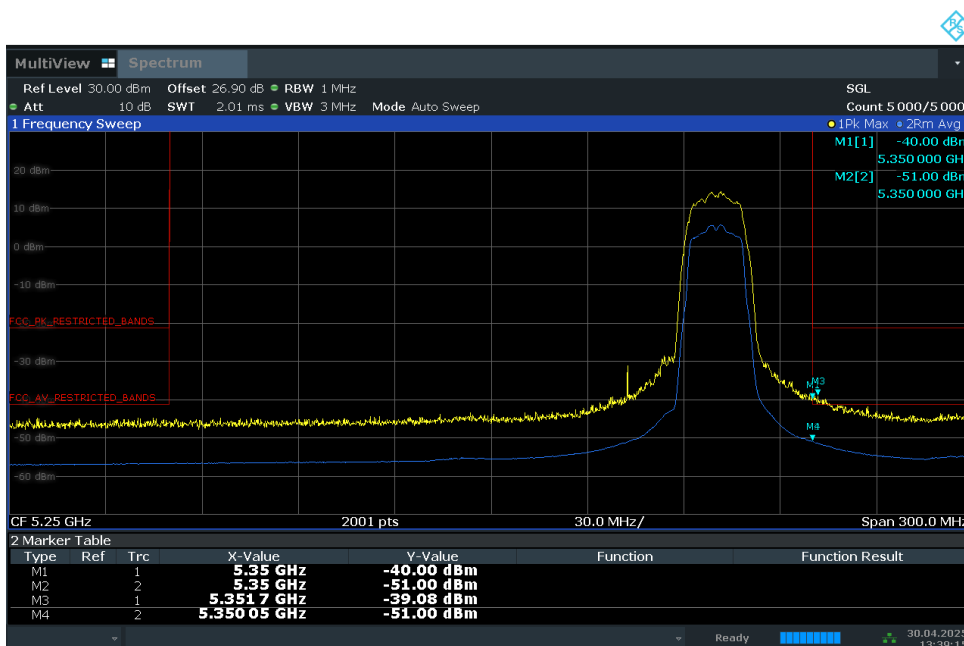
13:37:35 30.04.2025

Radio Technology = WLAN a, Operating Frequency = high, Subband = U-NII-2A
(S01_BC01)



13:38:25 30.04.2025

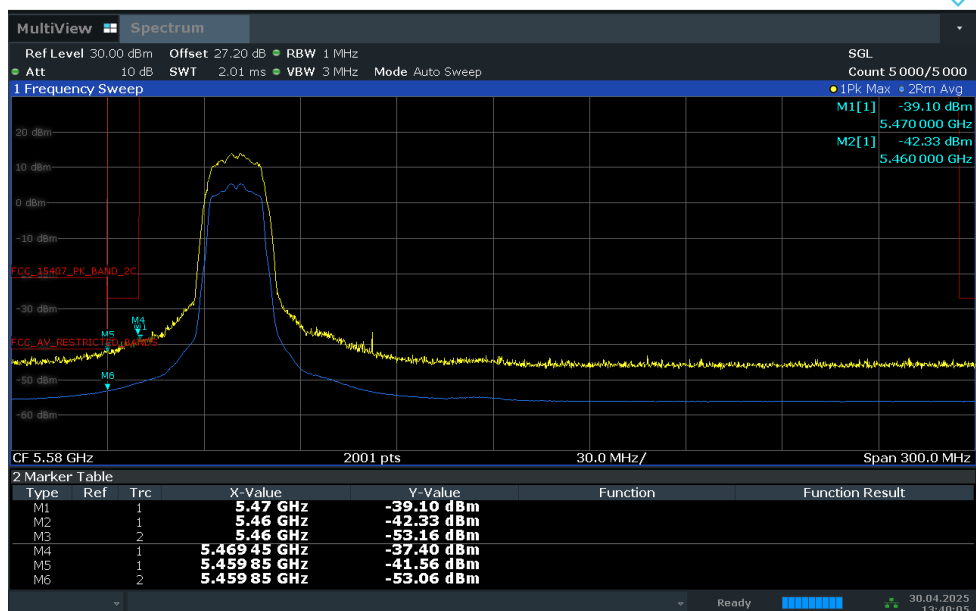
TX on 5300 MHz



13:39:15 30.04.2025

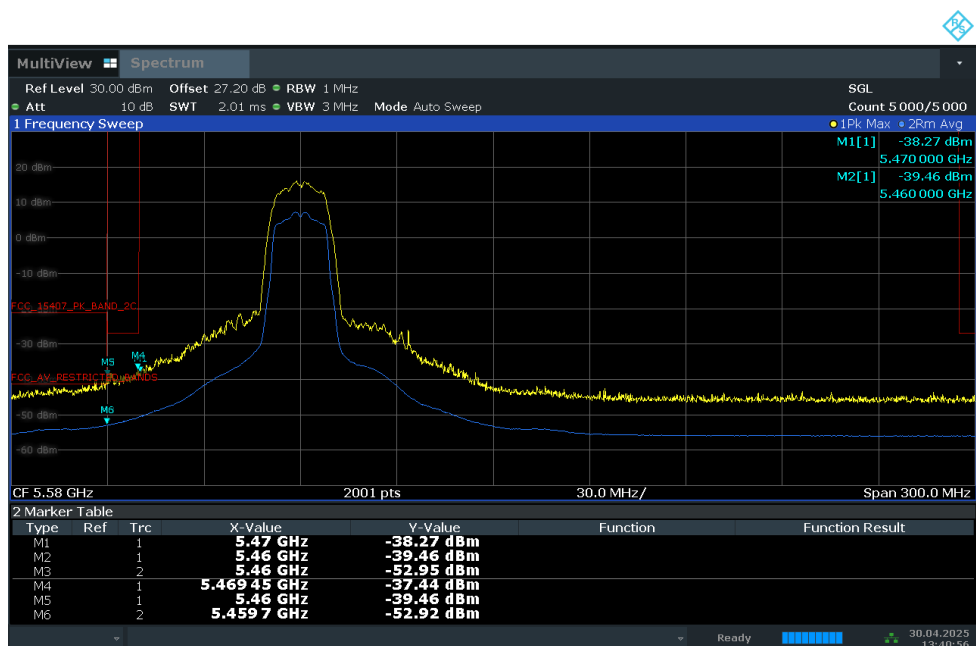
TX on 5320 MHz

Radio Technology = WLAN a, Operating Frequency = low, Subband = U-NII-2C
(S01_BC01)



13:40:06 30.04.2025

TX on 5500 MHz



13:40:57 30.04.2025

TX on 5520 MHz