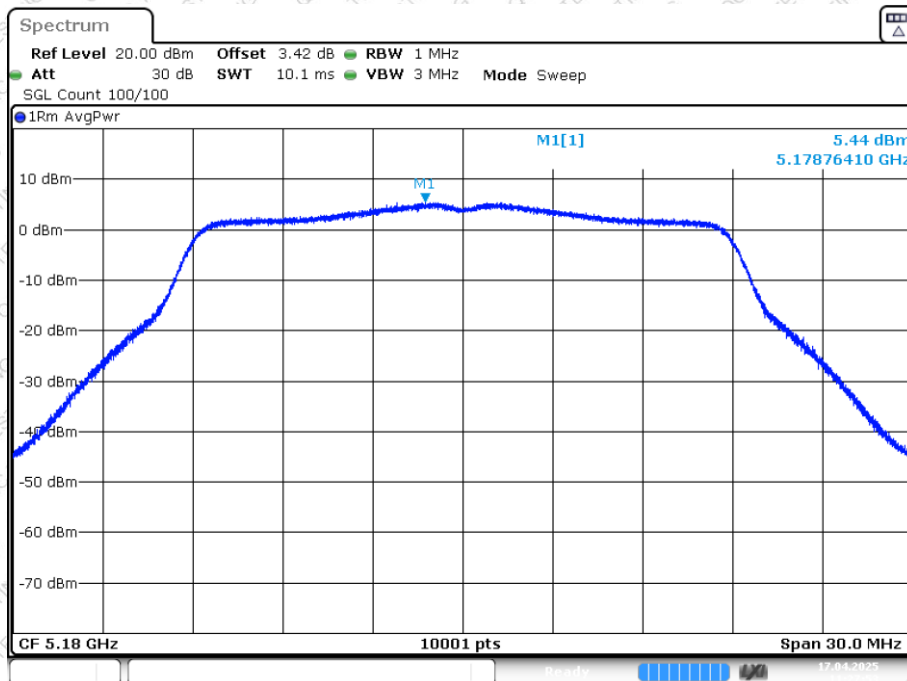
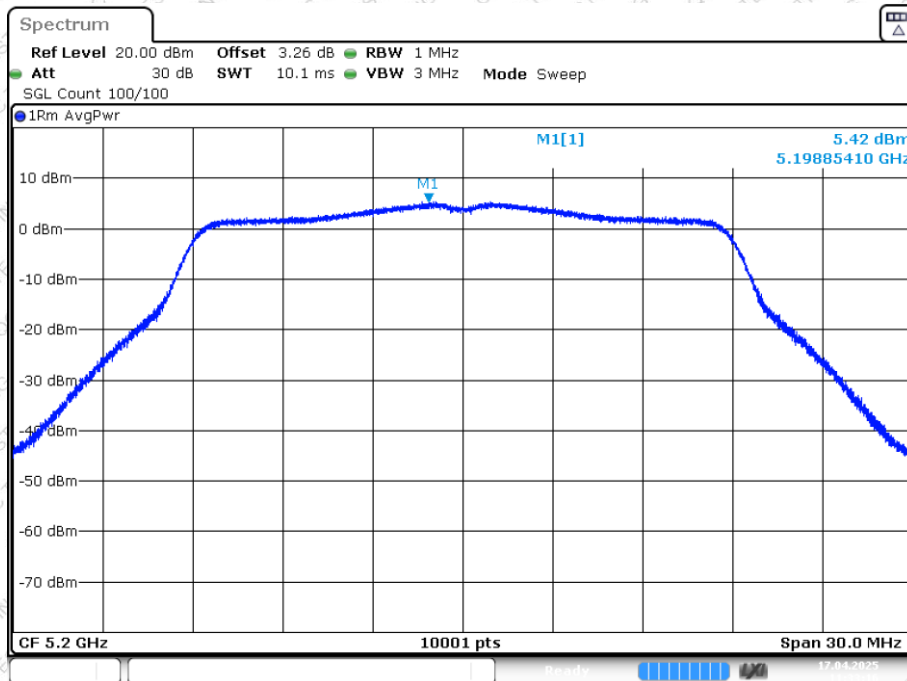




PSD NVNT ac20 5180MHz Ant1

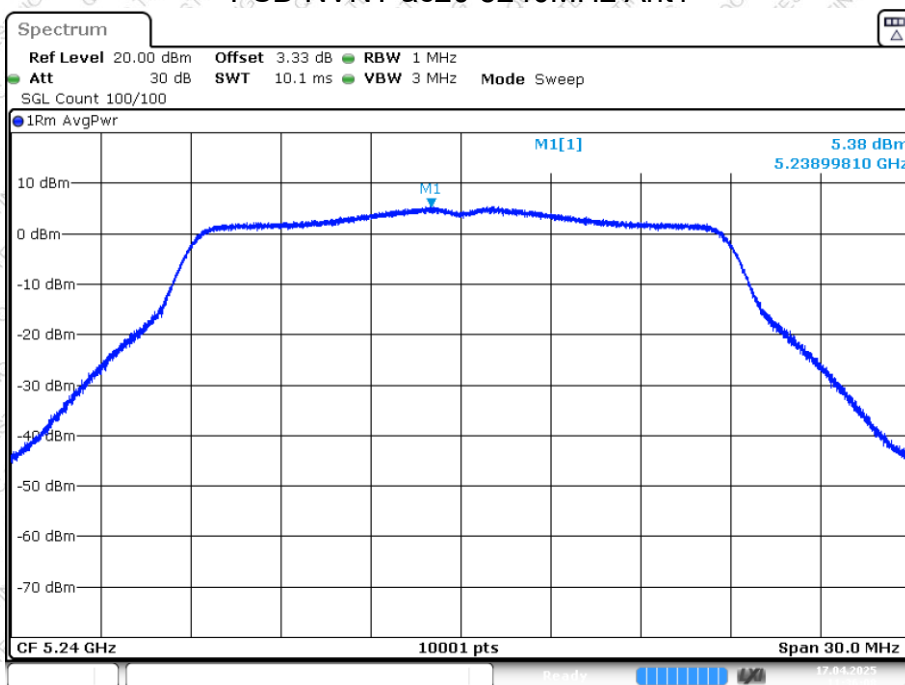


PSD NVNT ac20 5200MHz Ant1

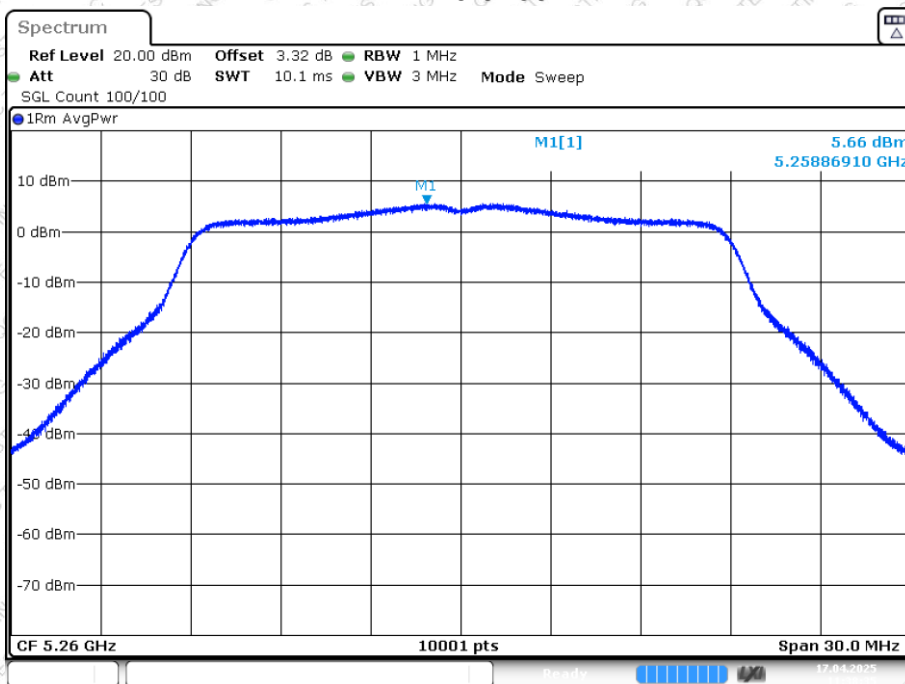




PSD NVNT ac20 5240MHz Ant1

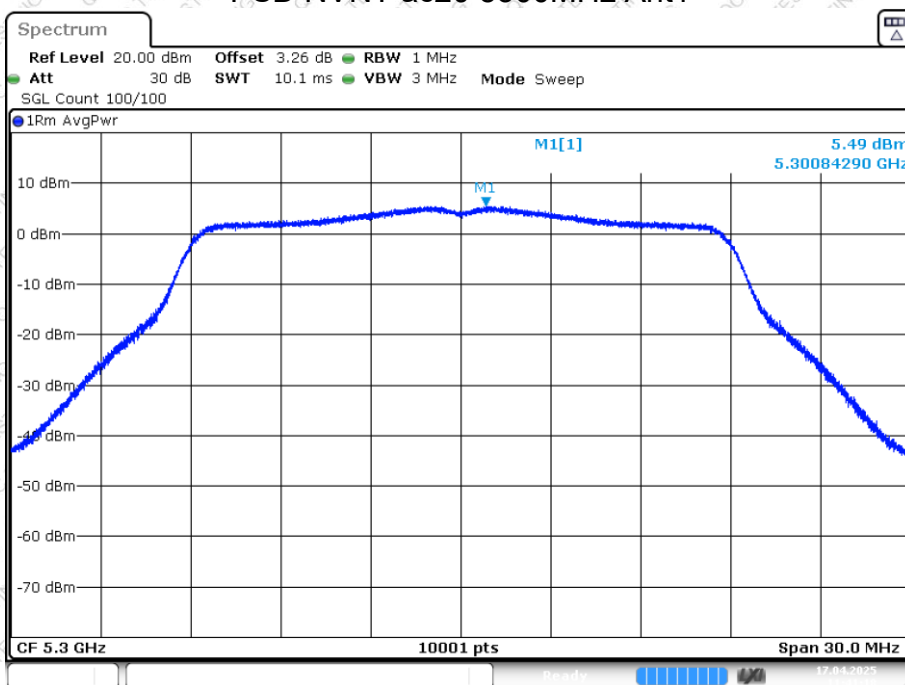


PSD NVNT ac20 5260MHz Ant1

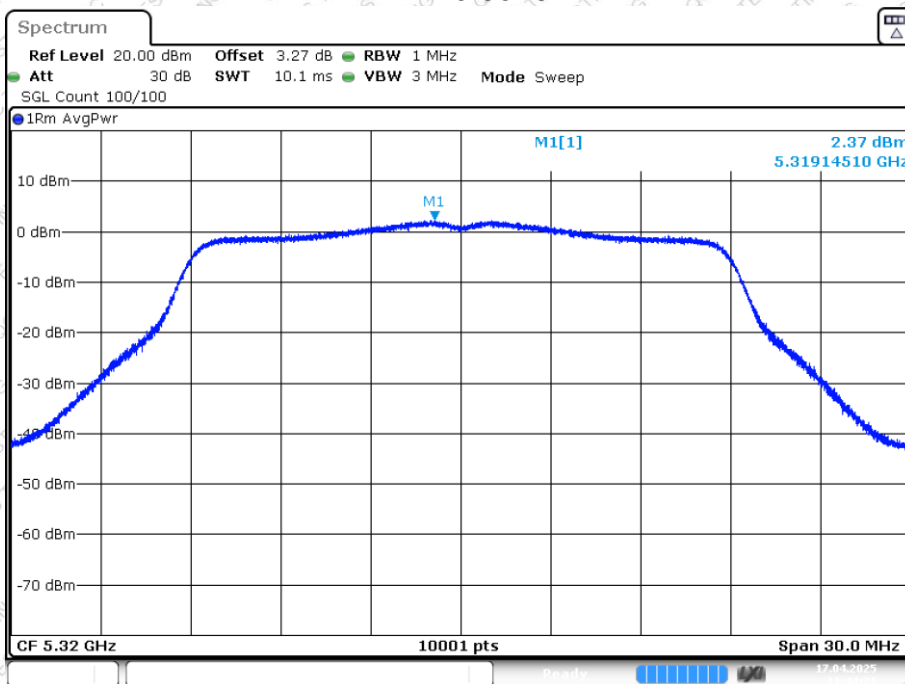




PSD NVNT ac20 5300MHz Ant1

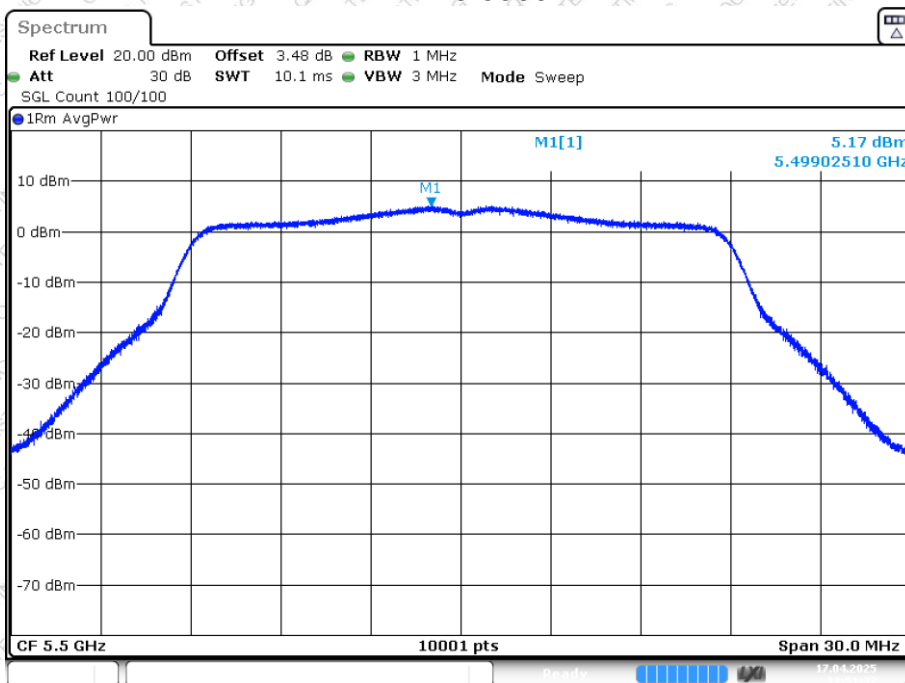


PSD NVNT ac20 5320MHz Ant1

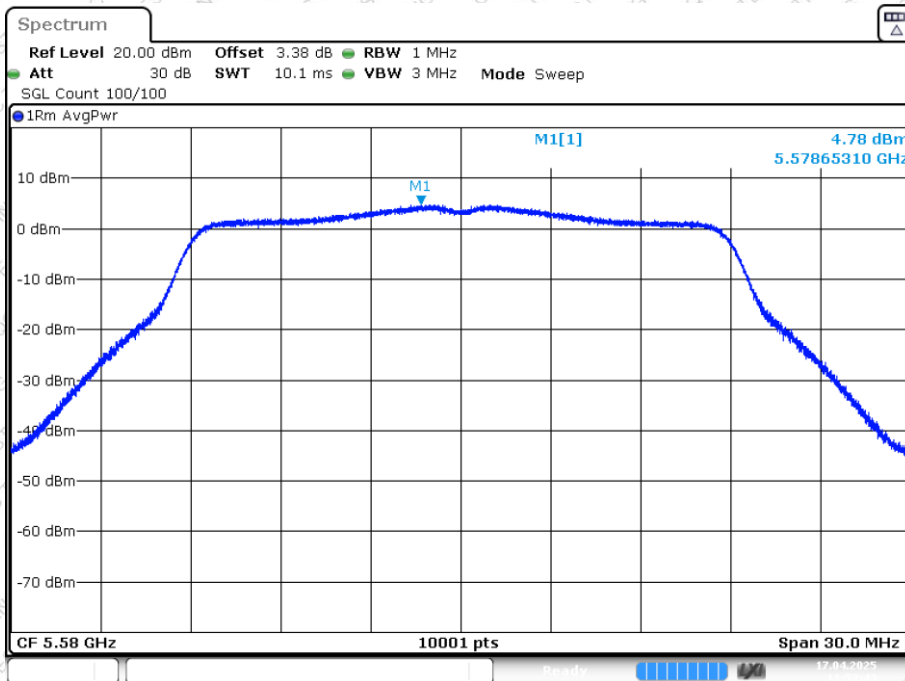




PSD NVNT ac20 5500MHz Ant1

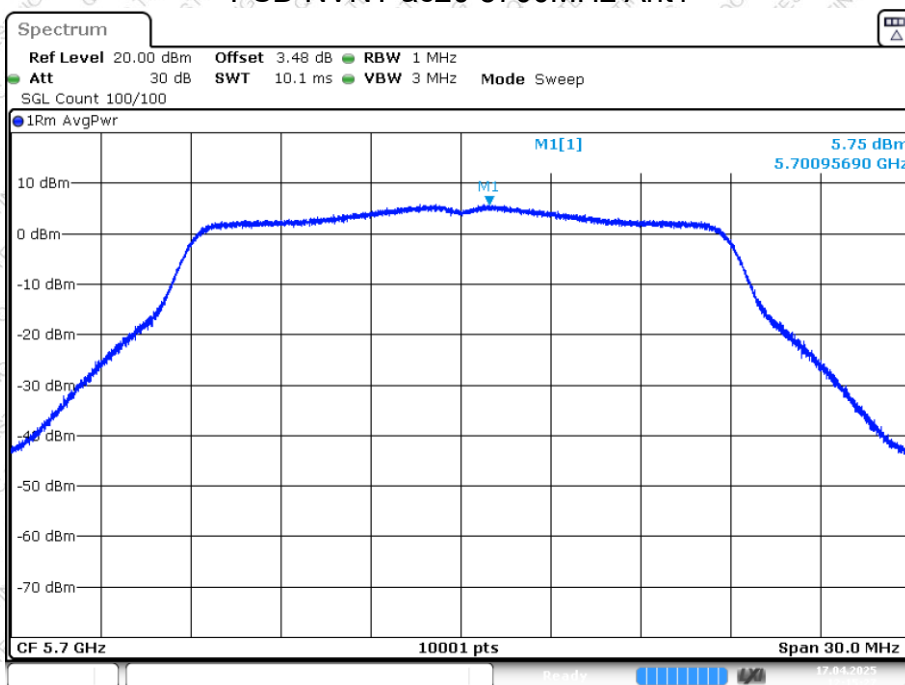


PSD NVNT ac20 5580MHz Ant1

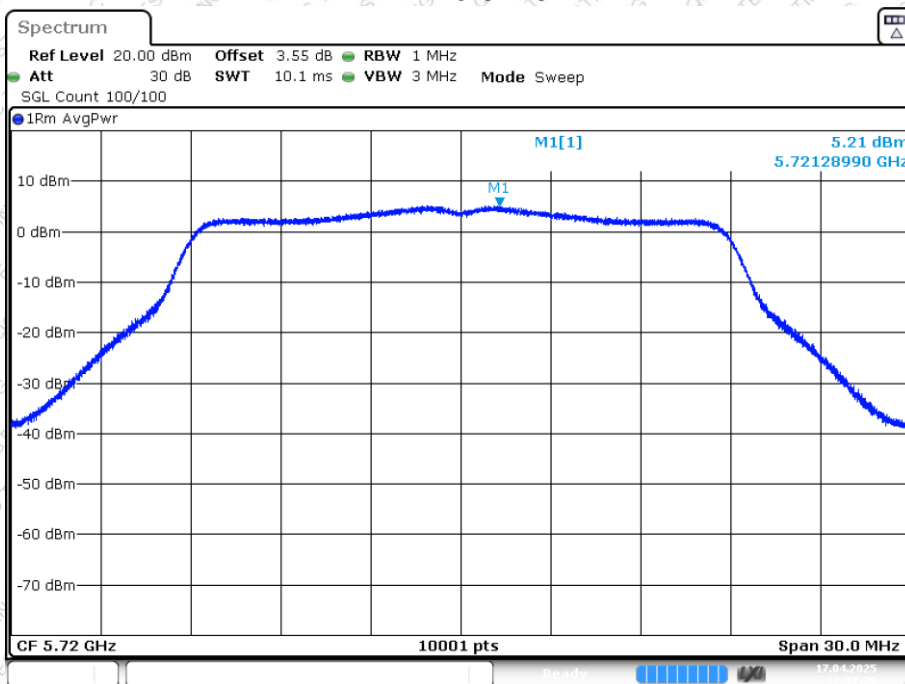




PSD NVNT ac20 5700MHz Ant1

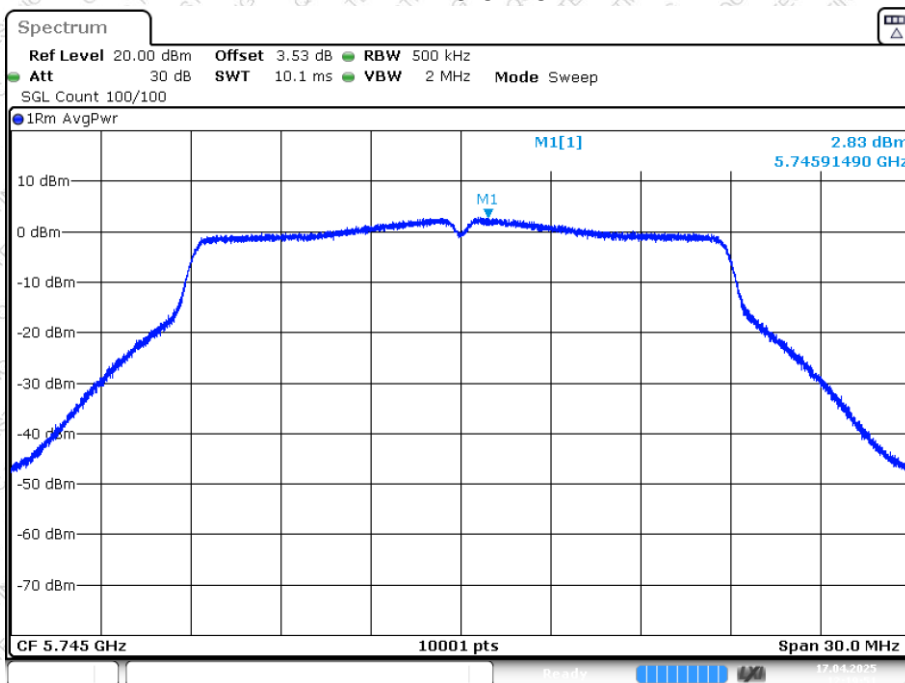


PSD NVNT ac20 5720MHz Ant1



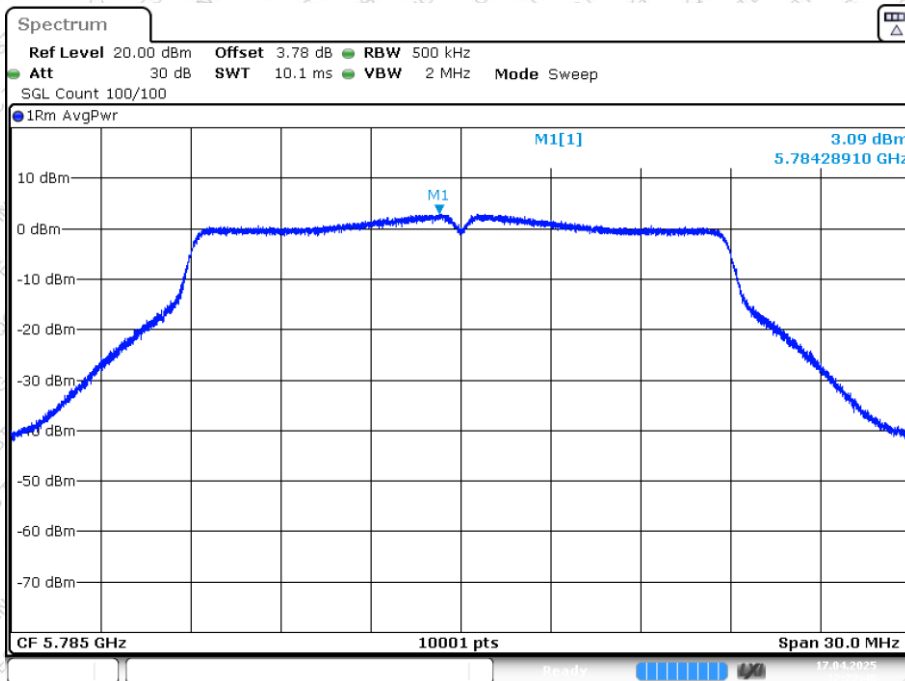


PSD NVNT ac20 5745MHz Ant1



Date: 17. APR 2025 12:19:51

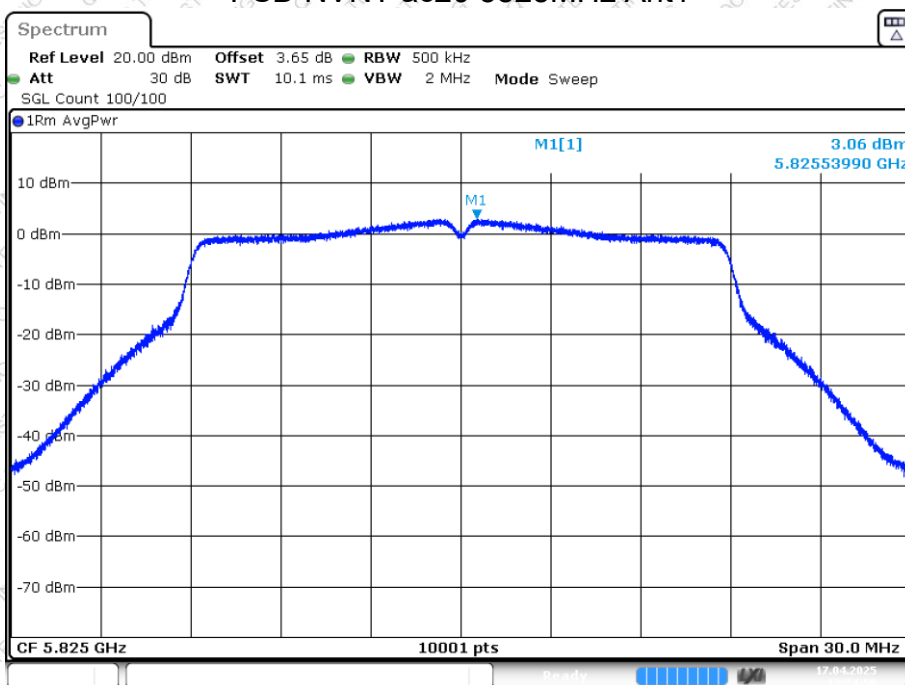
PSD NVNT ac20 5785MHz Ant1



Date: 17. APR 2025 12:22:47

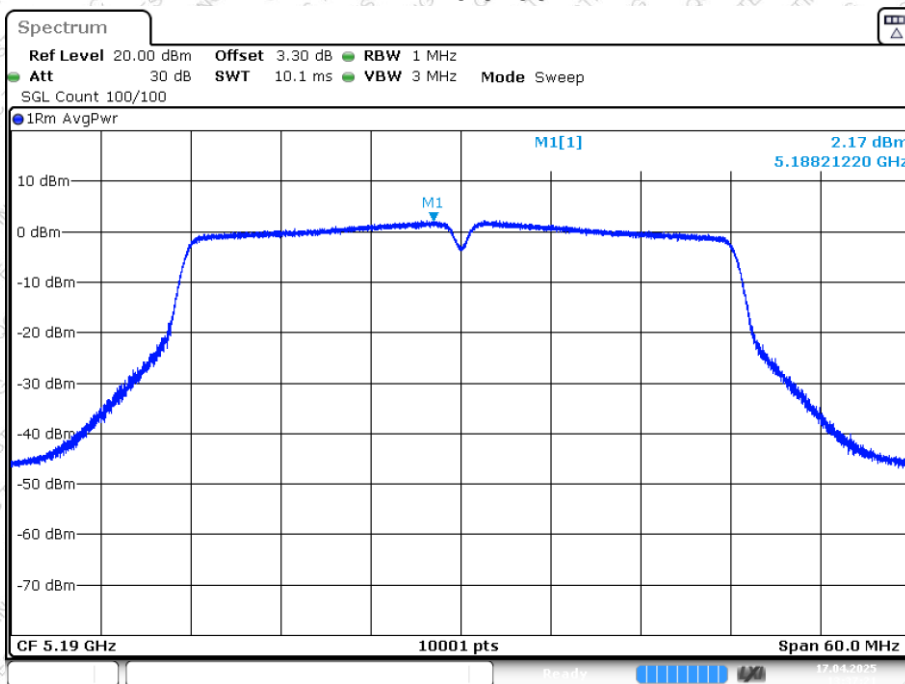


PSD NVNT ac20 5825MHz Ant1



Date: 17. APR 2025 12:24:57

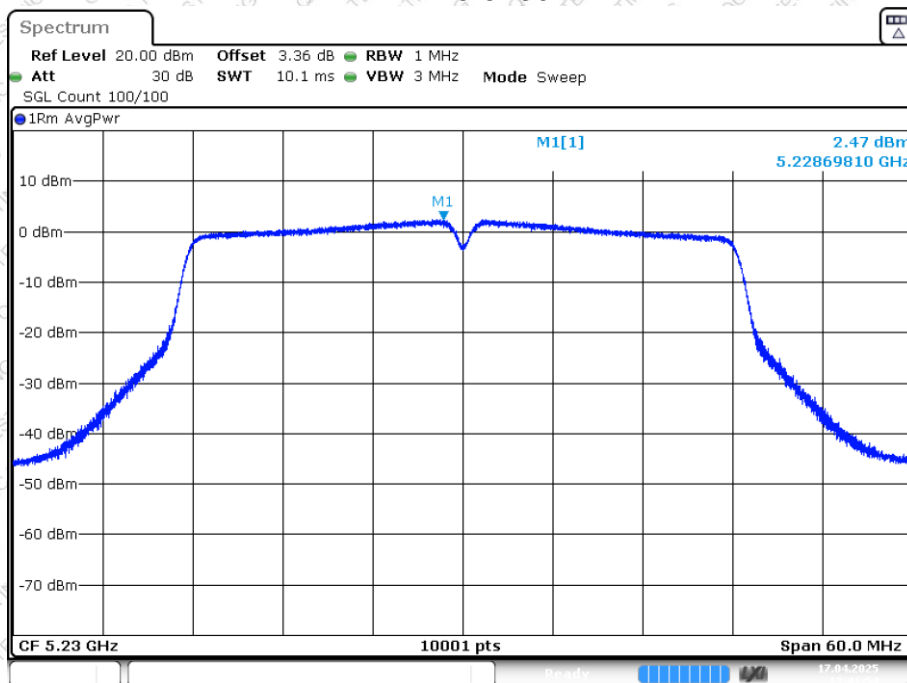
PSD NVNT ac40 5190MHz Ant1



Date: 17. APR 2025 13:37:21

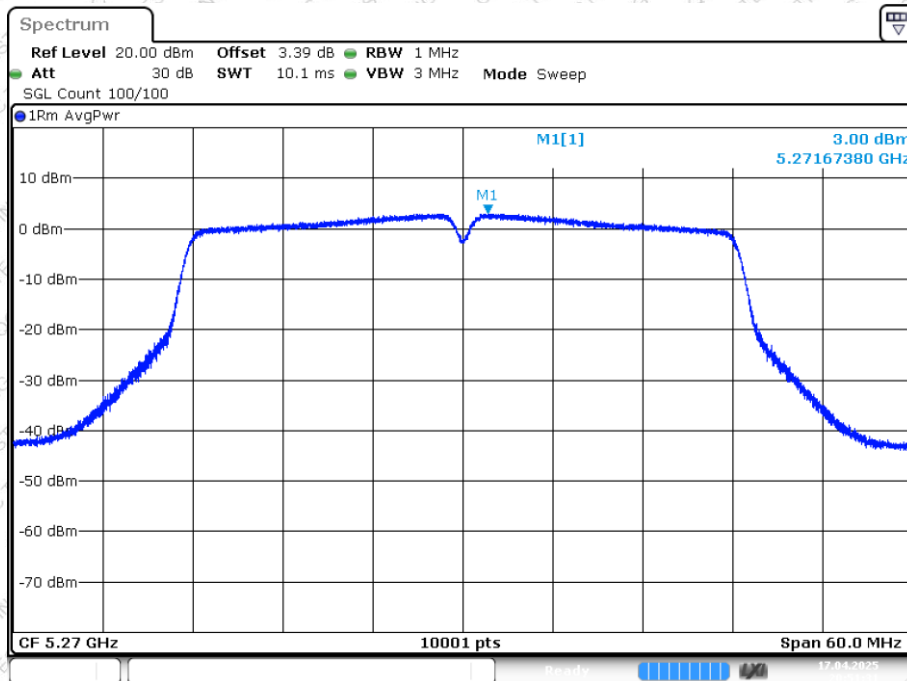


PSD NVNT ac40 5230MHz Ant1



Date: 17. APR 2025 13:41:54

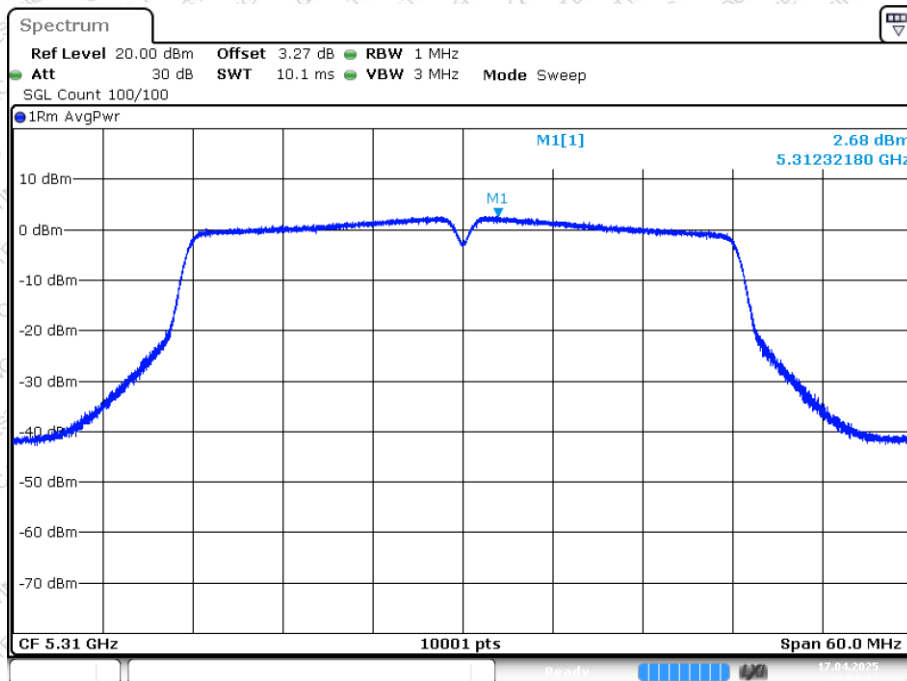
PSD NVNT ac40 5270MHz Ant1



Date: 17. APR 2025 20:51:31

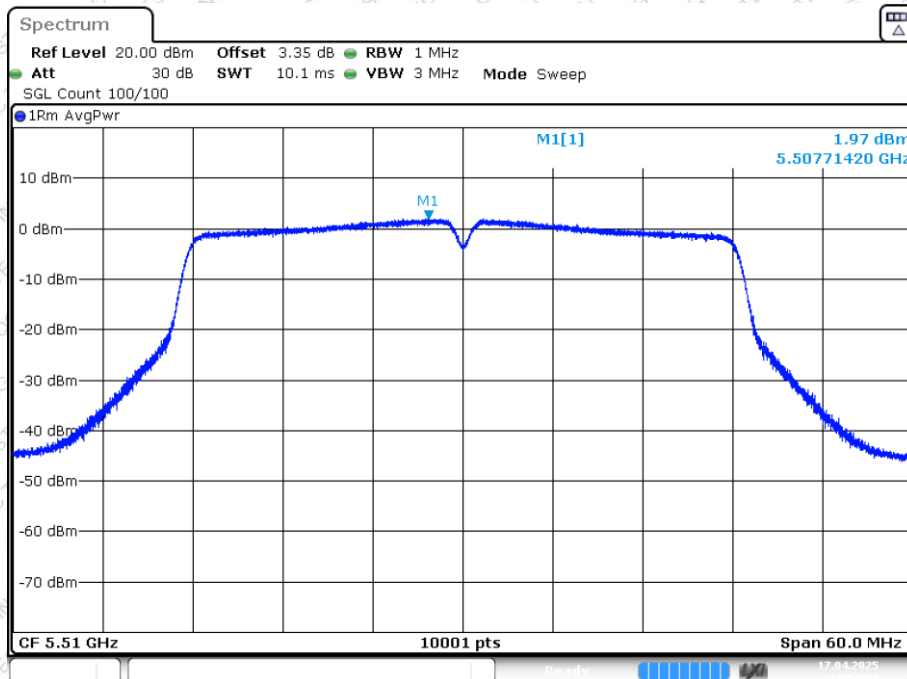


PSD NVNT ac40 5310MHz Ant1



Date: 17. APR 2025 20:53:12

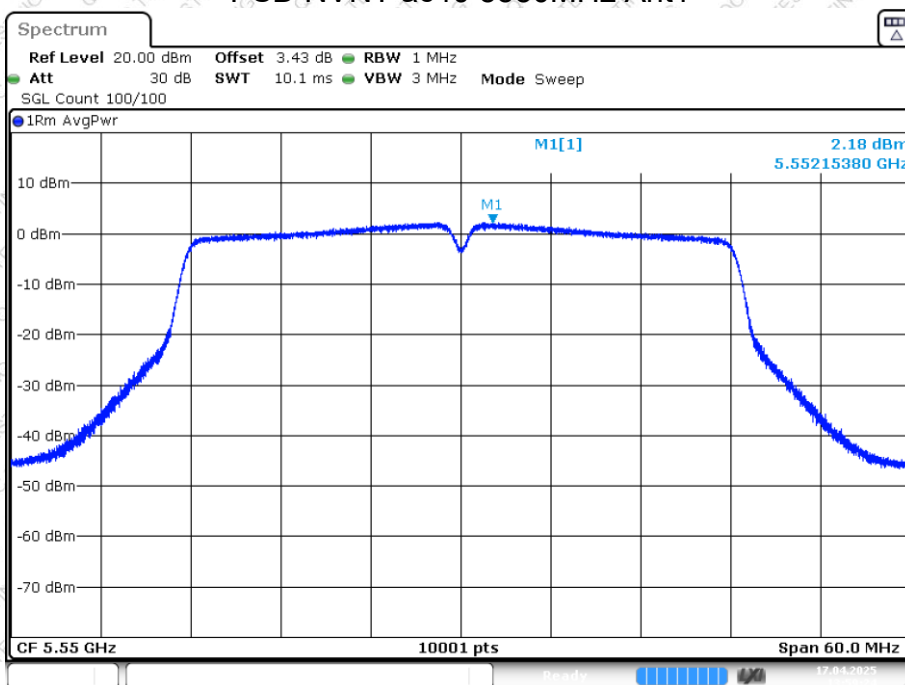
PSD NVNT ac40 5510MHz Ant1



Date: 17. APR 2025 13:54:54

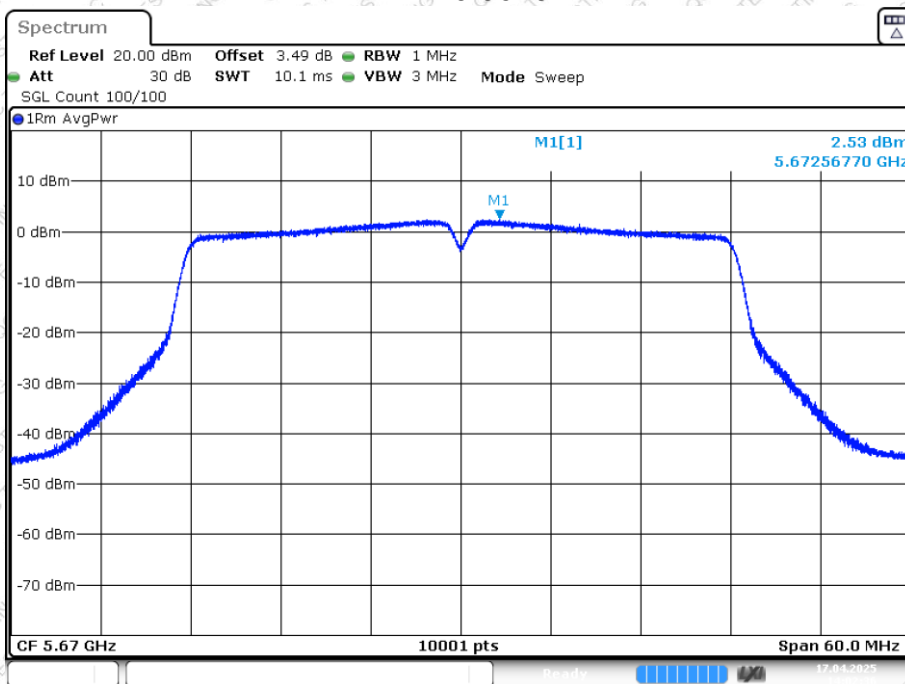


PSD NVNT ac40 5550MHz Ant1



Date: 17. APR 2025 13:59:24

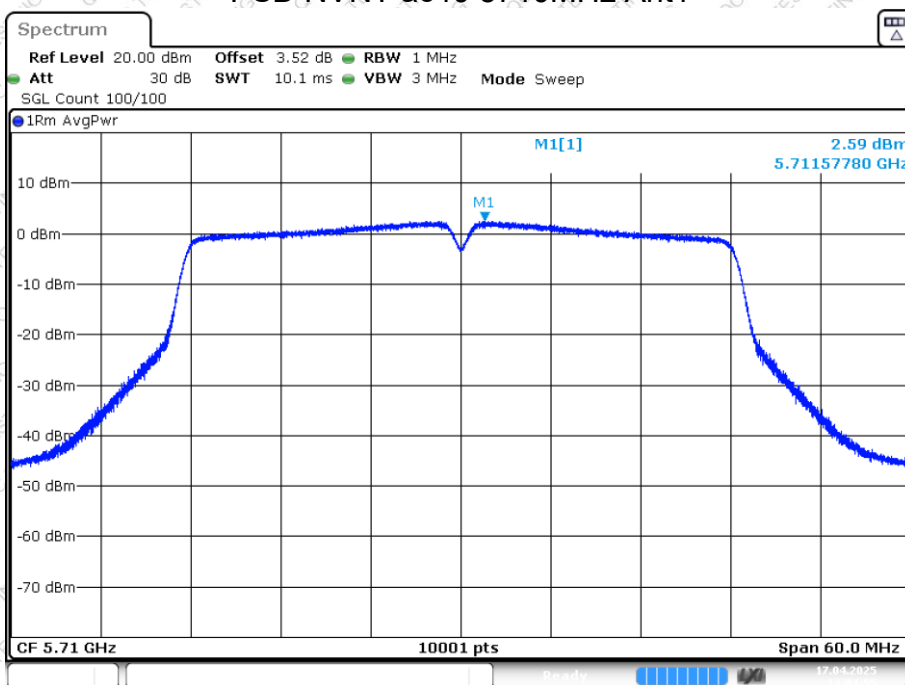
PSD NVNT ac40 5670MHz Ant1



Date: 17. APR 2025 14:02:36

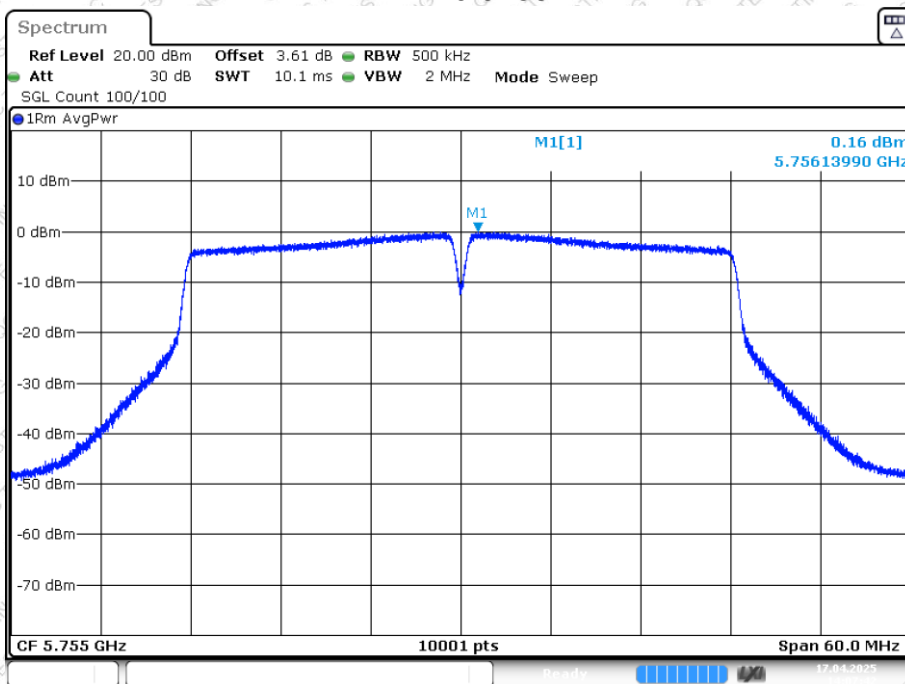


PSD NVNT ac40 5710MHz Ant1



Date: 17. APR 2025 14:04:55

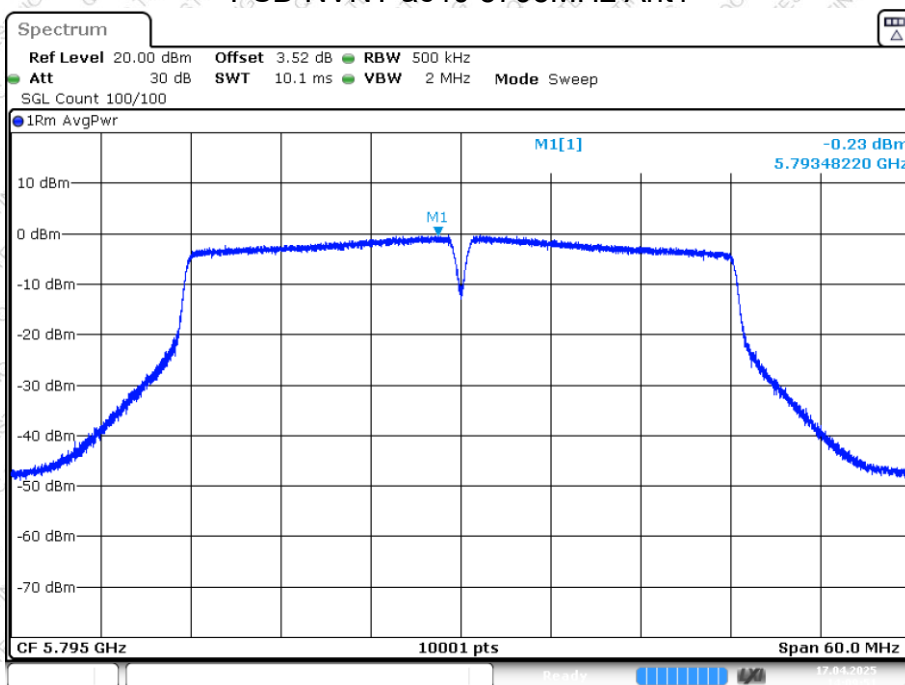
PSD NVNT ac40 5755MHz Ant1



Date: 17. APR 2025 14:07:43

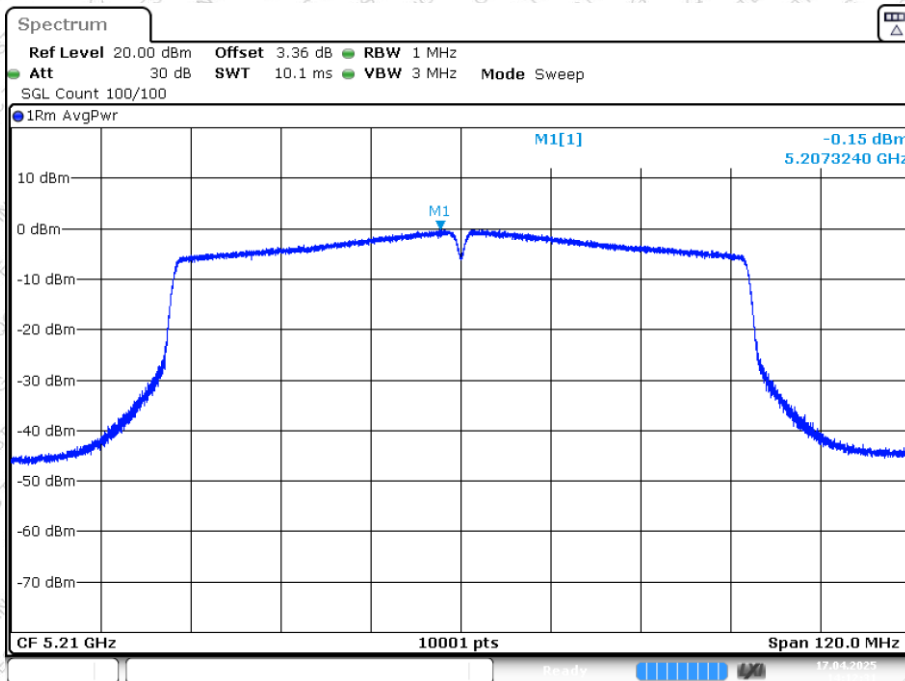


PSD NVNT ac40 5795MHz Ant1



Date: 17. APR 2025 14:09:52

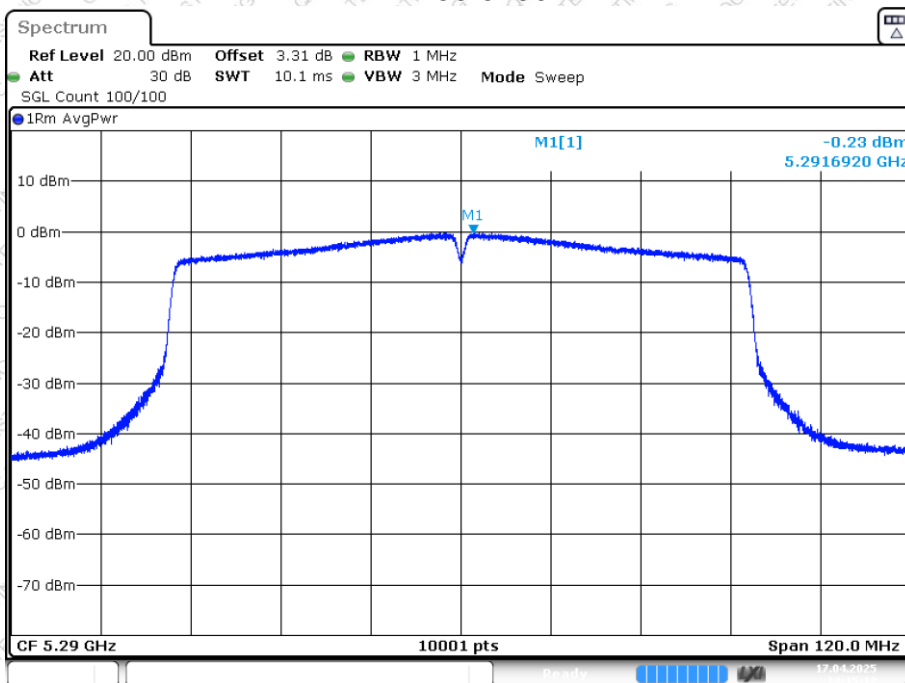
PSD NVNT ac80 5210MHz Ant1



Date: 17. APR 2025 14:12:31

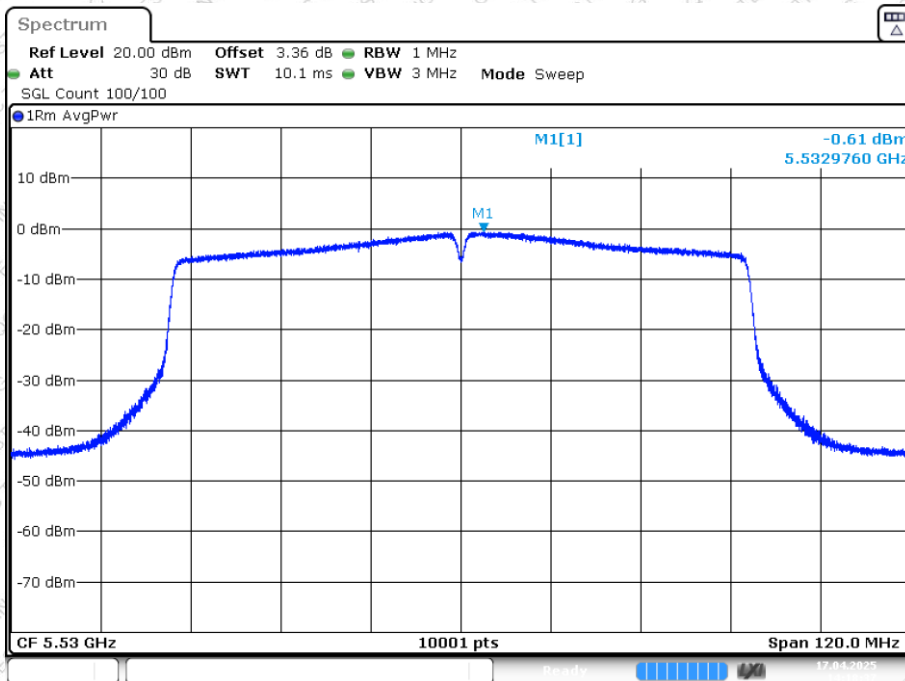


PSD NVNT ac80 5290MHz Ant1



Date: 17. APR 2025 14:15:12

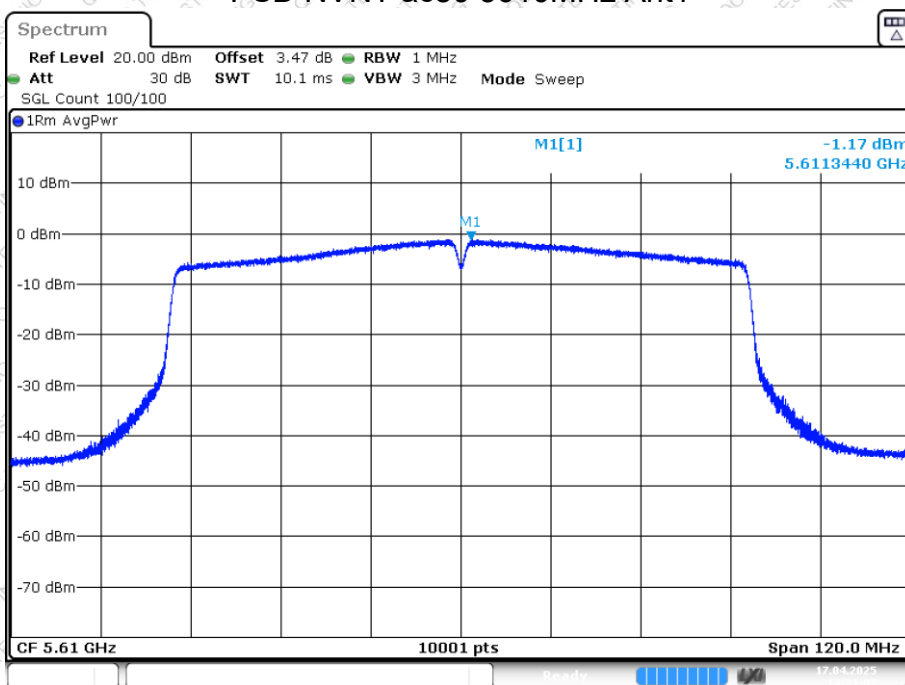
PSD NVNT ac80 5530MHz Ant1



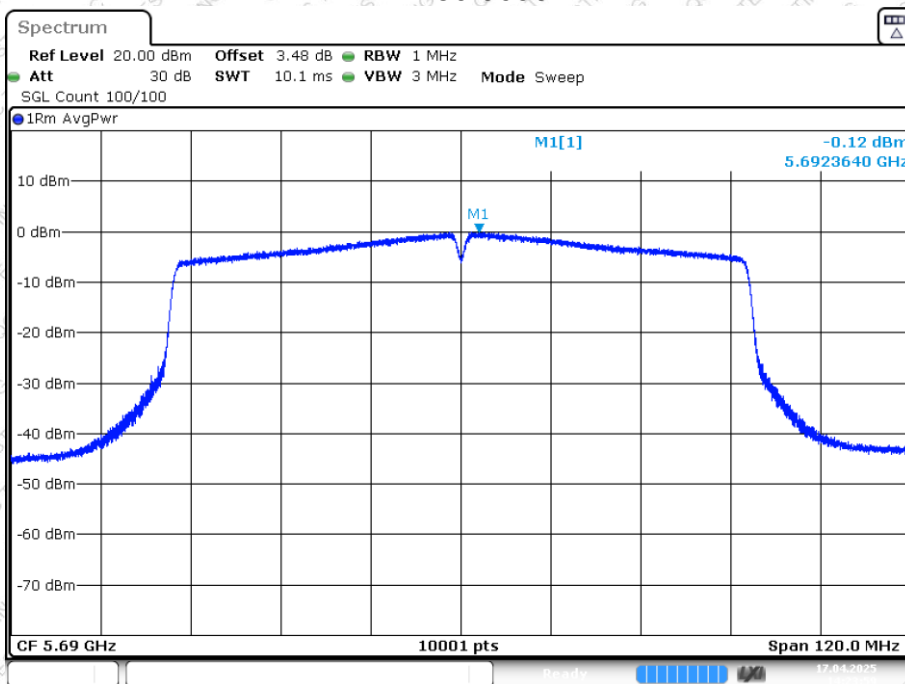
Date: 17. APR 2025 14:18:38



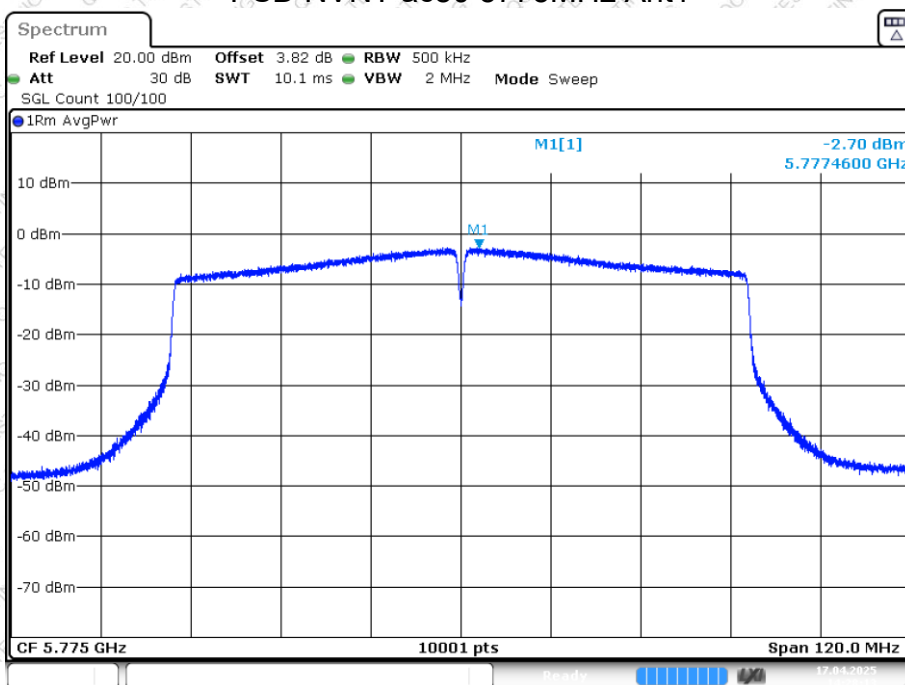
PSD NVNT ac80 5610MHz Ant1



PSD NVNT ac80 5690MHz Ant1

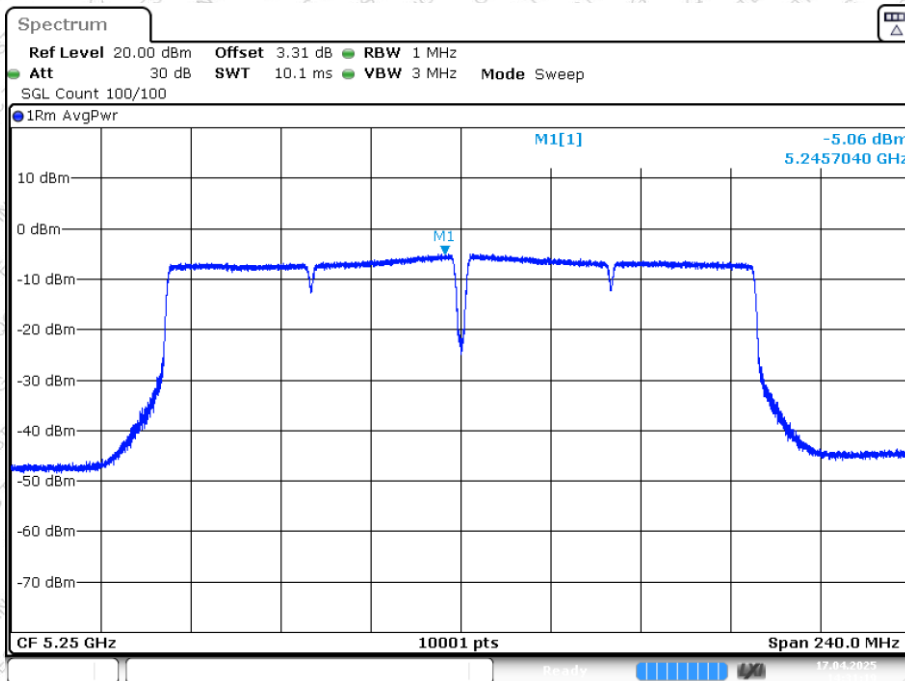


PSD NVNT ac80 5775MHz Ant1



Date: 17.APR.2025 14:28:14

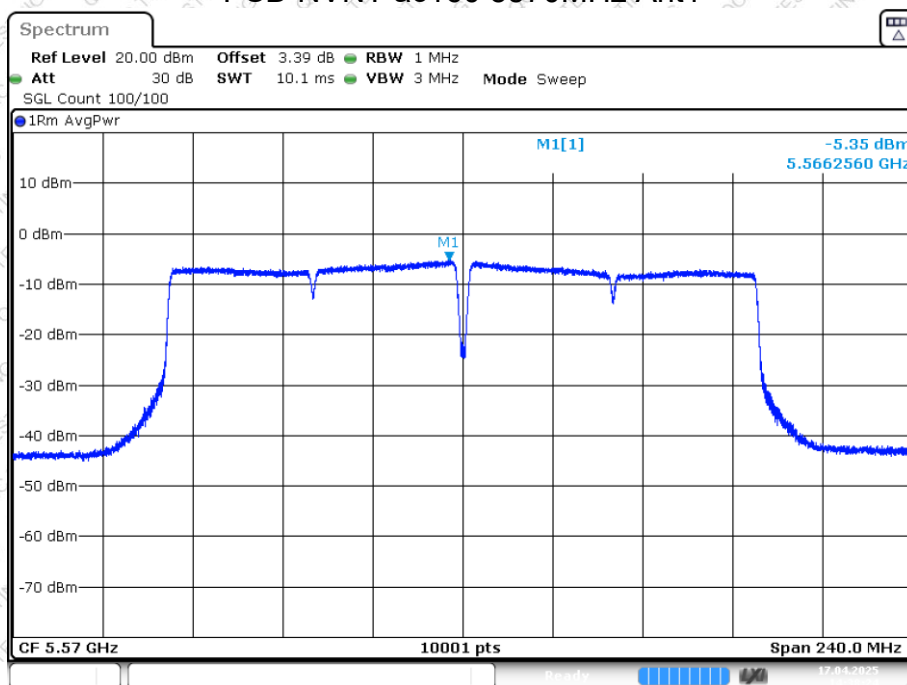
PSD NVNT ac160 5250MHz Ant1



Date: 17.APR.2025 14:31:19

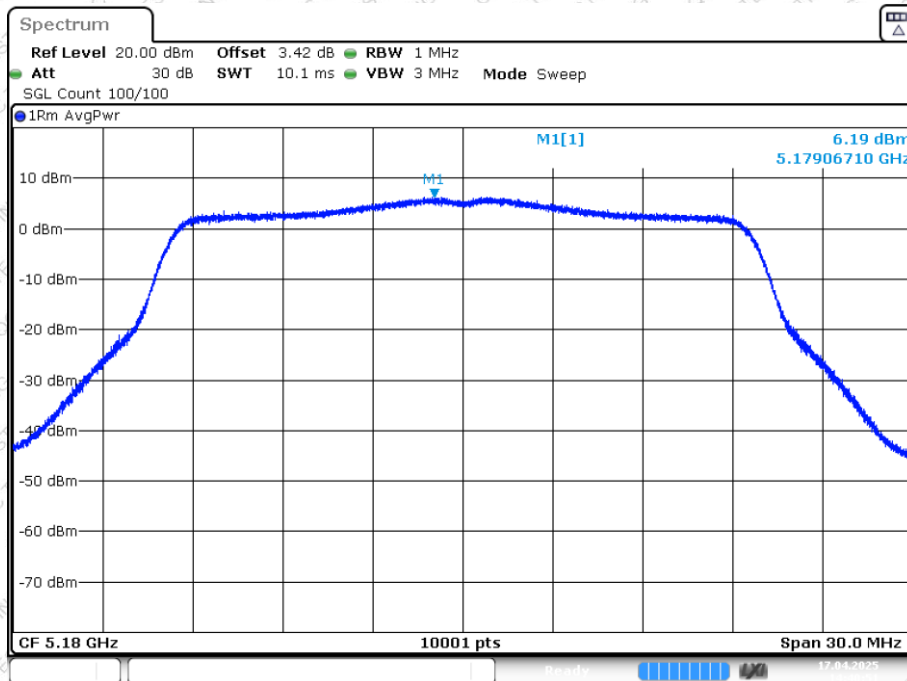


PSD NVNT ac160 5570MHz Ant1



Date: 17. APR 2025 14:38:25

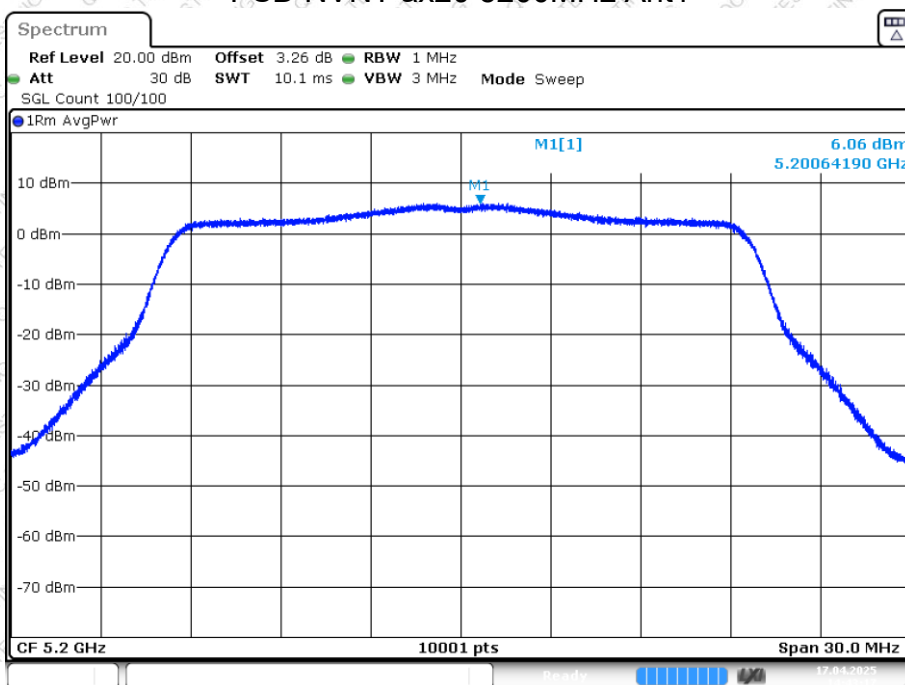
PSD NVNT ax20 5180MHz Ant1



Date: 17. APR 2025 14:40:51

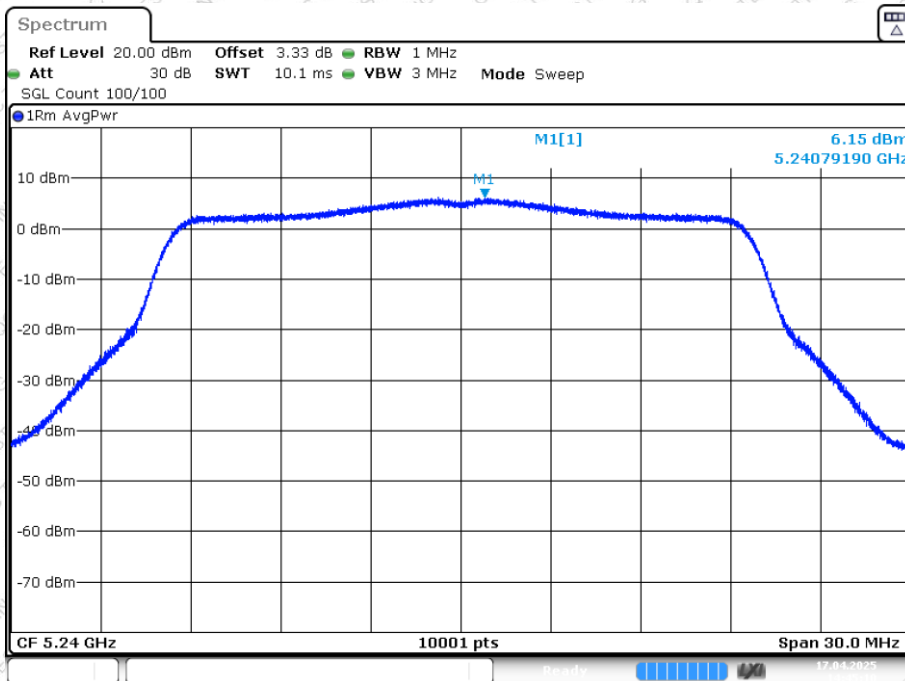


PSD NVNT ax20 5200MHz Ant1



Date: 17. APR 2025 14:43:17

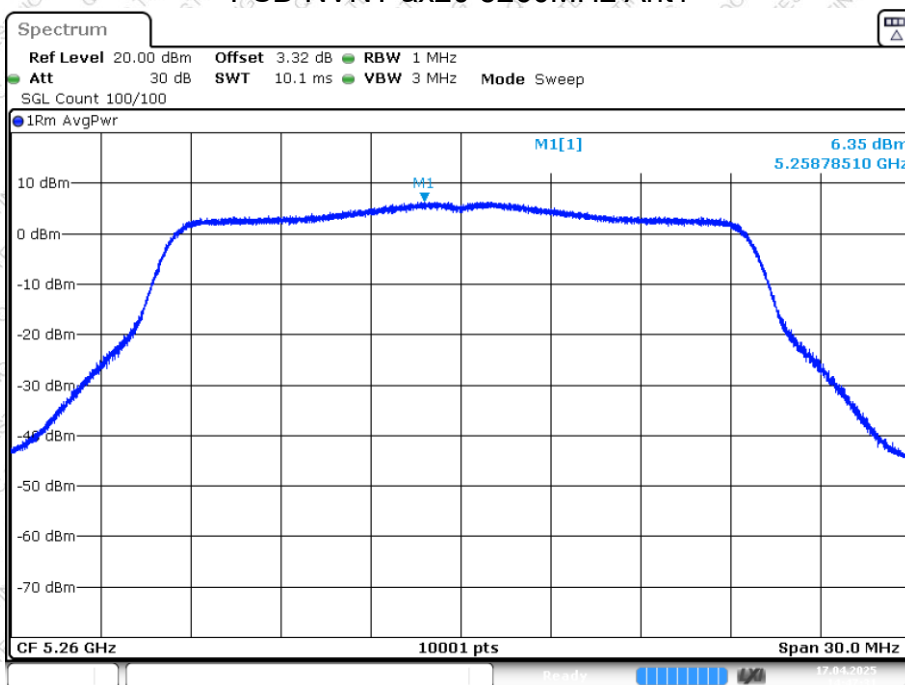
PSD NVNT ax20 5240MHz Ant1



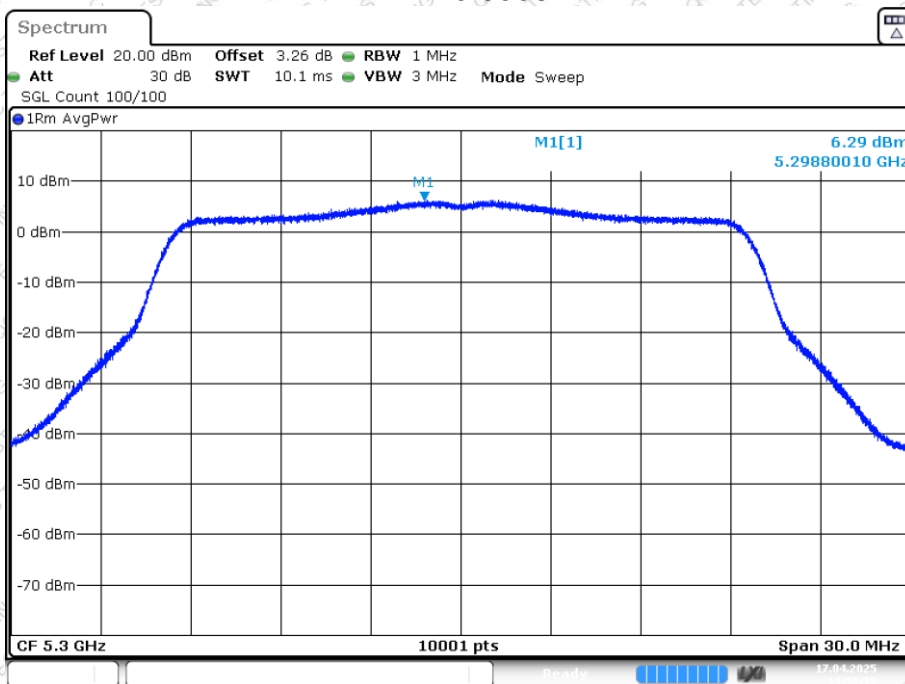
Date: 17. APR 2025 14:45:11



PSD NVNT ax20 5260MHz Ant1

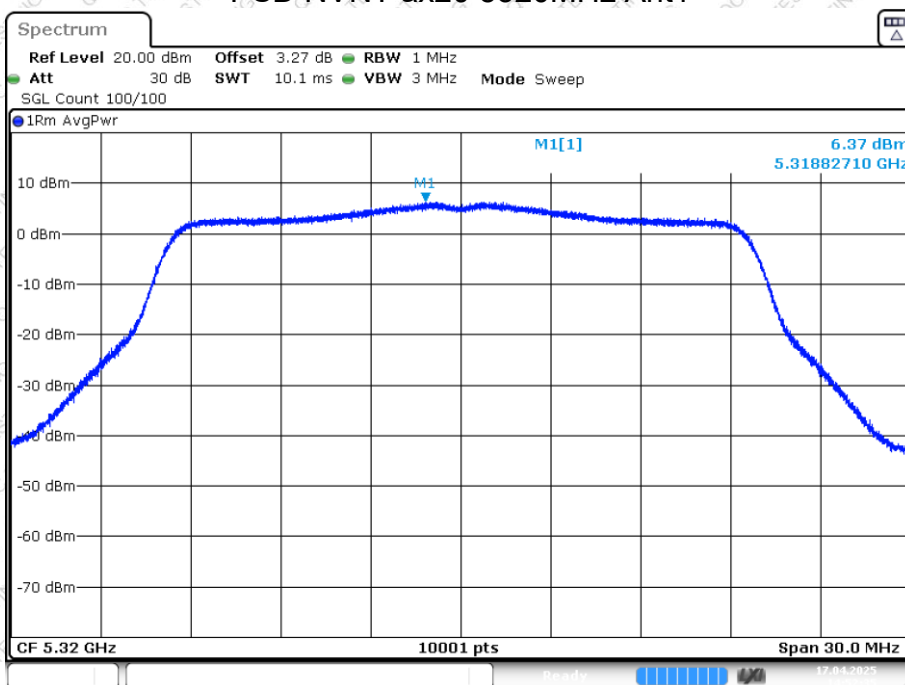


PSD NVNT ax20 5300MHz Ant1



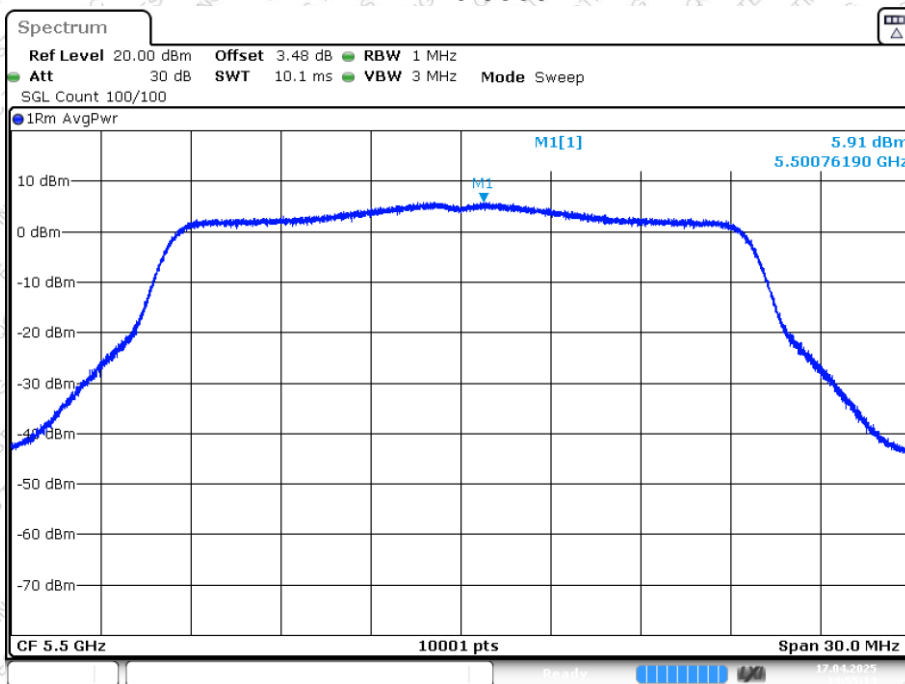


PSD NVNT ax20 5320MHz Ant1



Date: 17. APR 2025 14:52:35

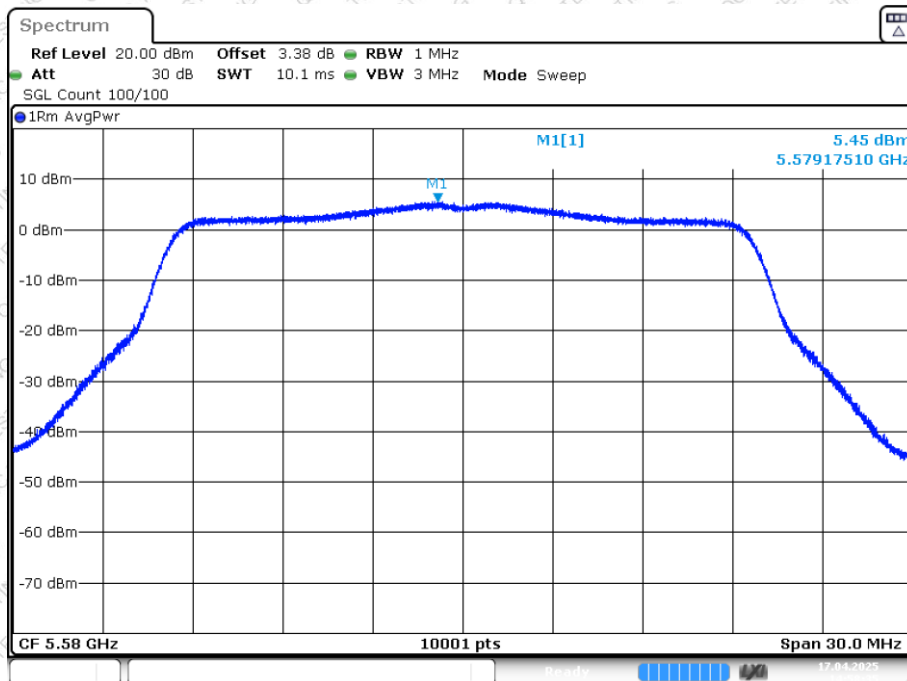
PSD NVNT ax20 5500MHz Ant1



Date: 17. APR 2025 14:55:14

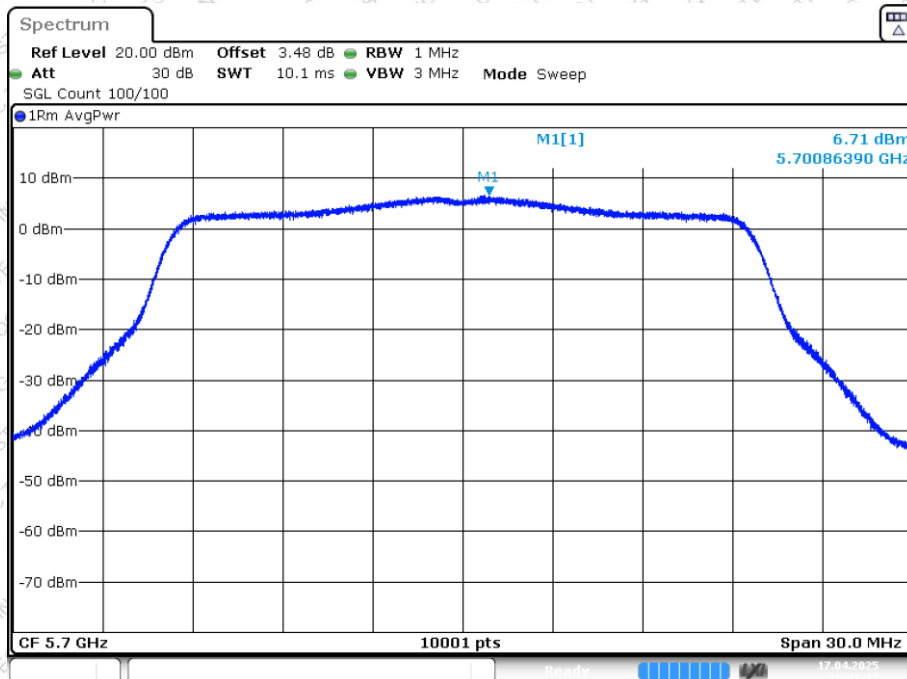


PSD NVNT ax20 5580MHz Ant1



Date: 17. APR 2025 14:58:35

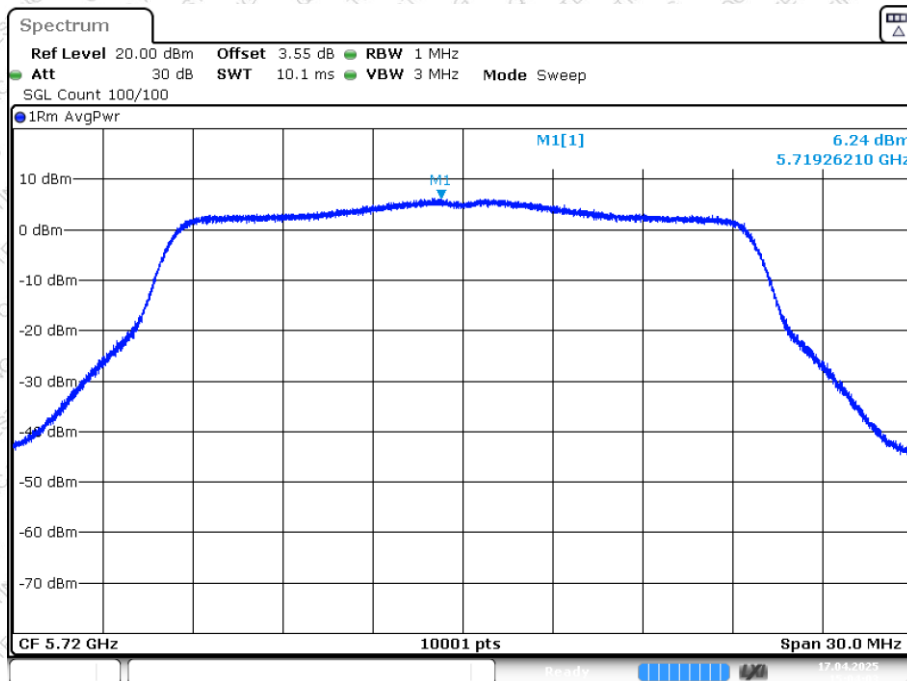
PSD NVNT ax20 5700MHz Ant1



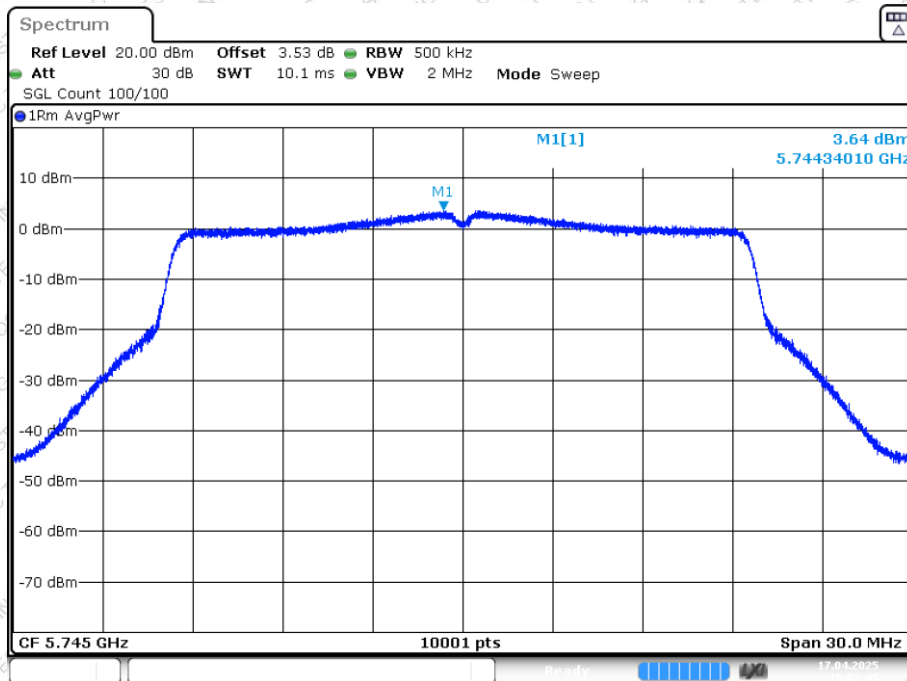
Date: 17. APR 2025 15:01:13



PSD NVNT ax20 5720MHz Ant1

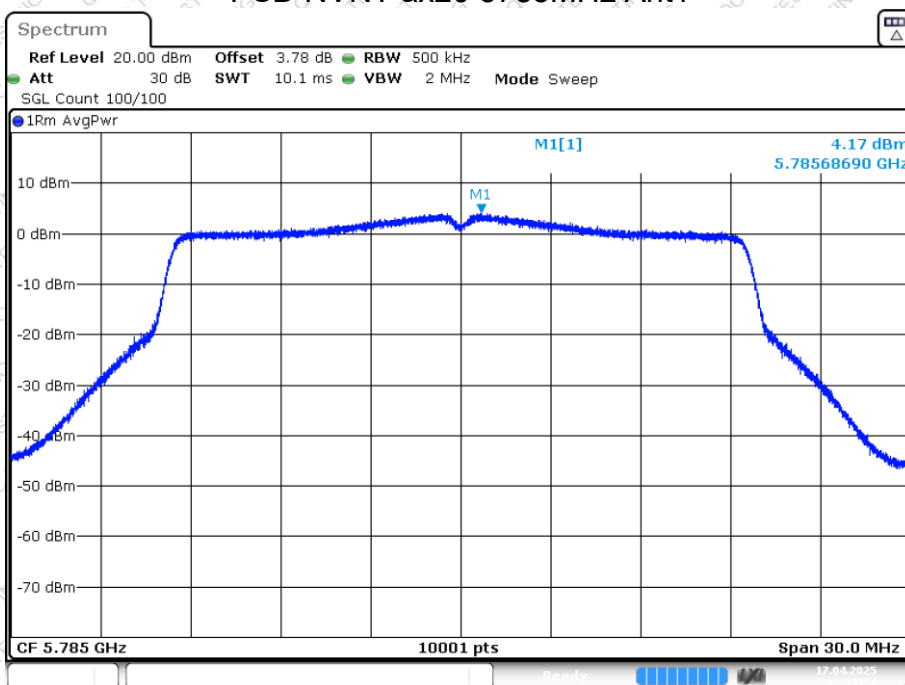


PSD NVNT ax20 5745MHz Ant1



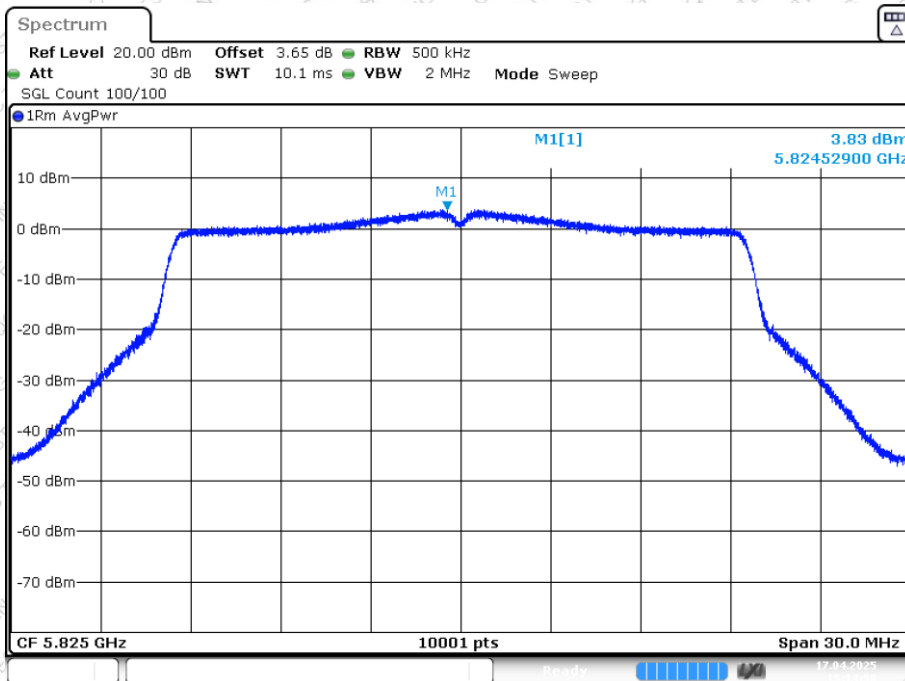


PSD NVNT ax20 5785MHz Ant1



Date: 17. APR 2025 15:11:51

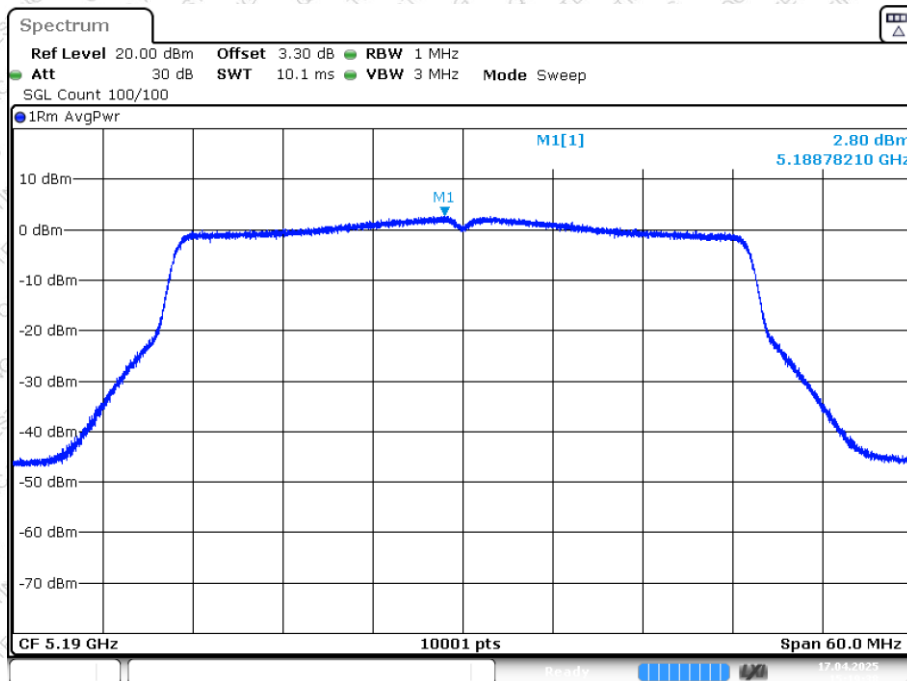
PSD NVNT ax20 5825MHz Ant1



Date: 17. APR 2025 15:14:58

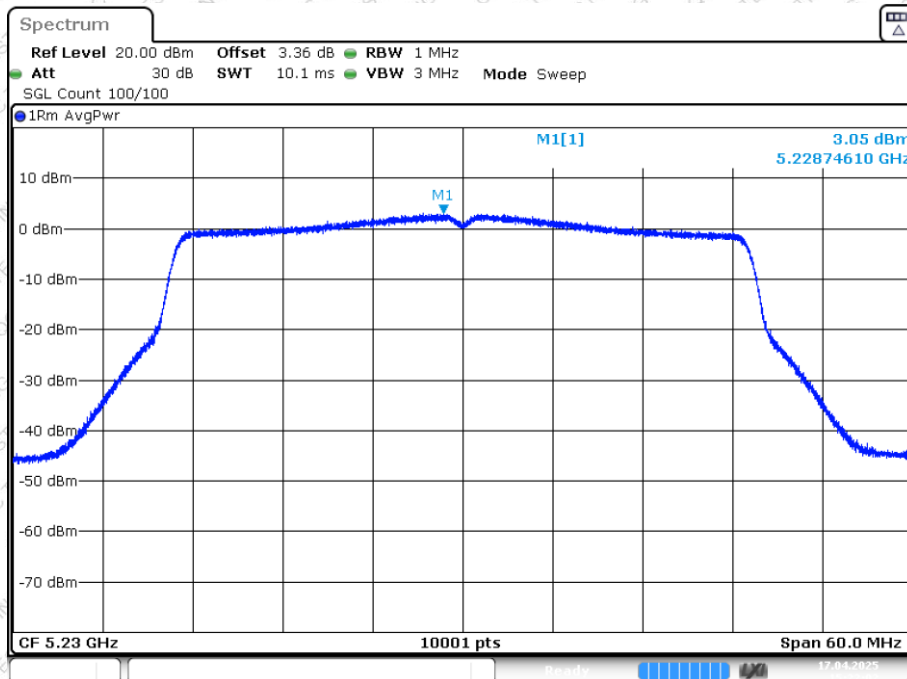


PSD NVNT ax40 5190MHz Ant1



Date: 17. APR 2025 15:19:38

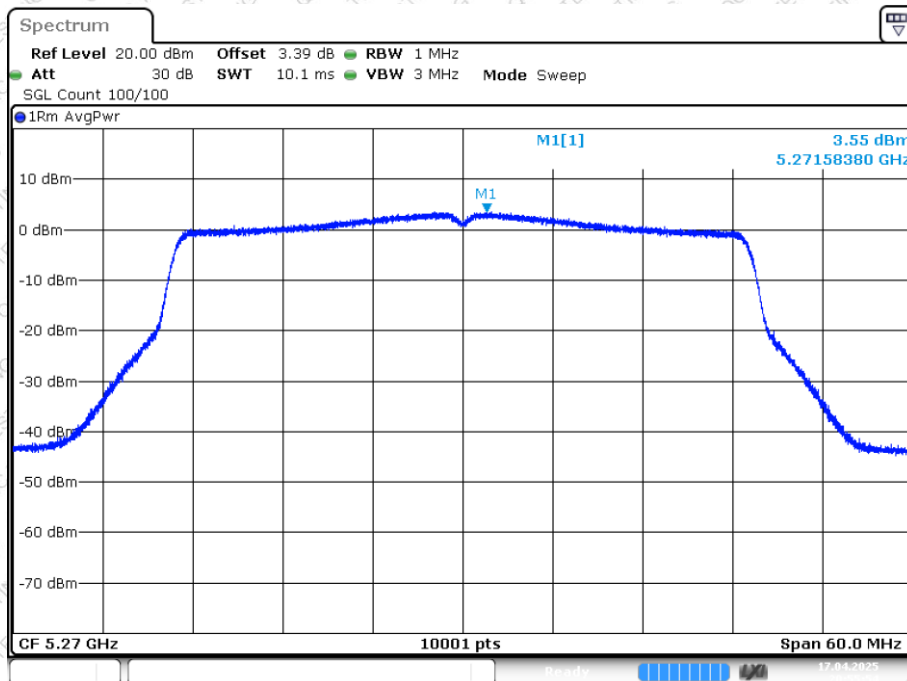
PSD NVNT ax40 5230MHz Ant1



Date: 17. APR 2025 15:22:03

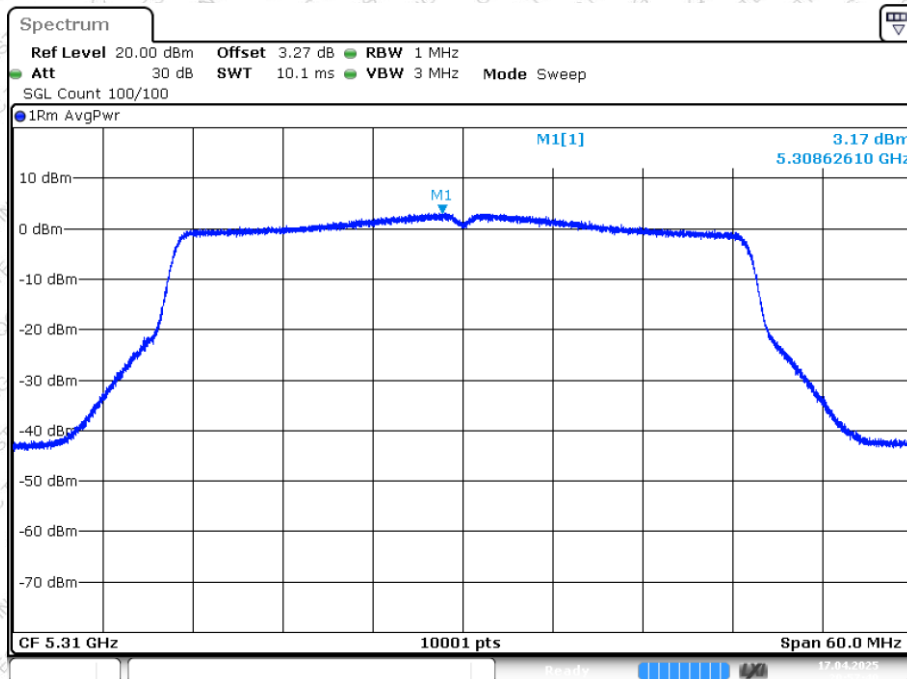


PSD NVNT ax40 5270MHz Ant1



Date: 17. APR 2025 20:55:54

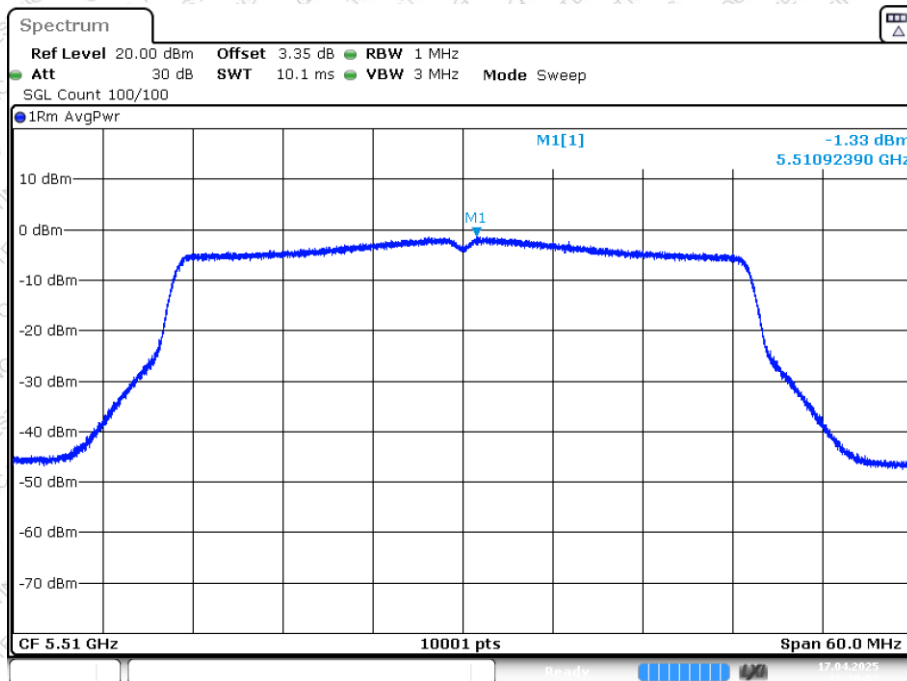
PSD NVNT ax40 5310MHz Ant1



Date: 17. APR 2025 20:57:40

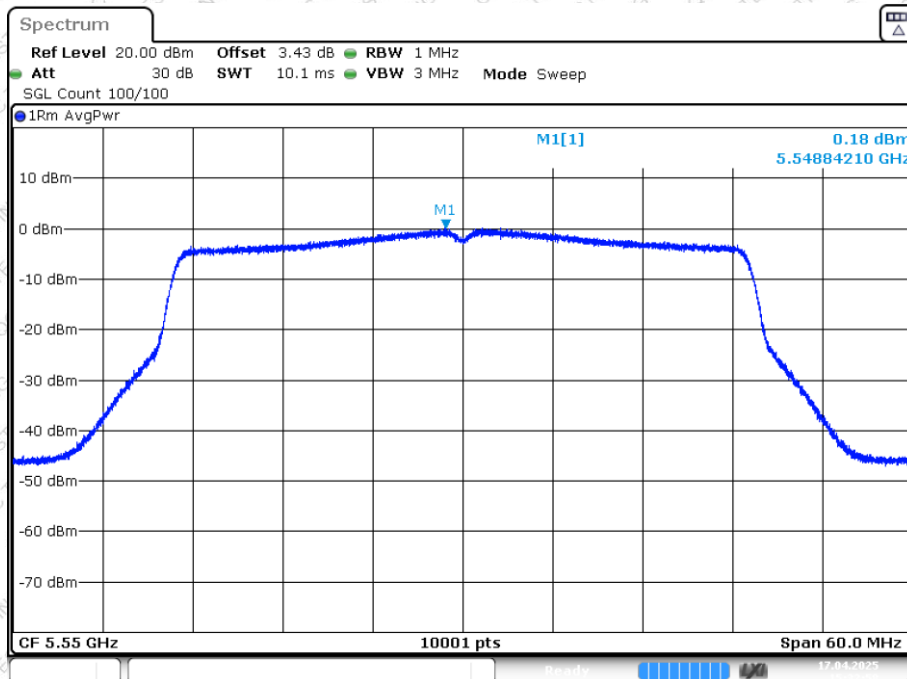


PSD NVNT ax40 5510MHz Ant1



Date: 17. APR 2025 15:30:03

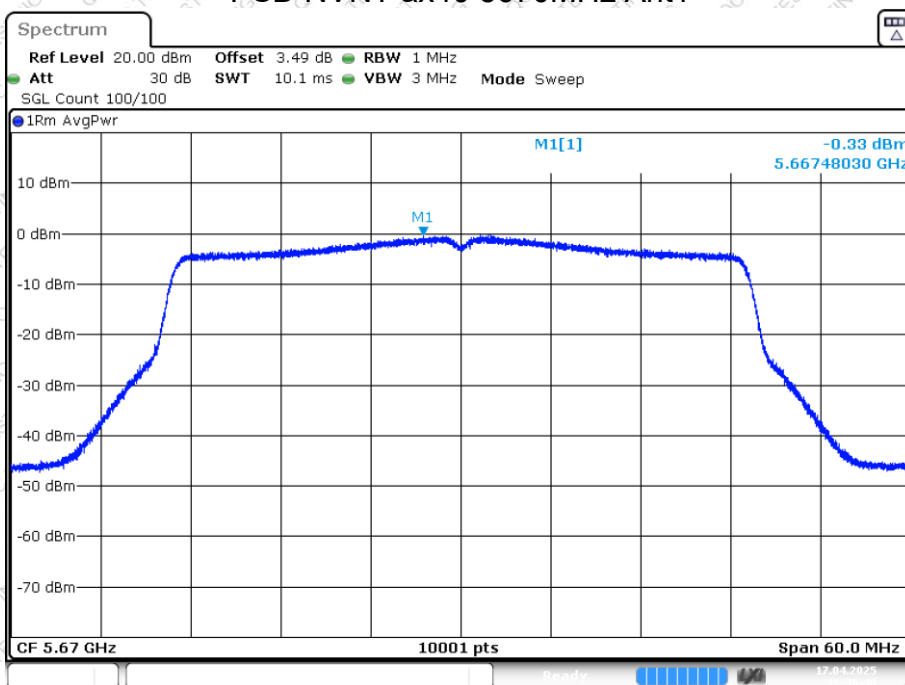
PSD NVNT ax40 5550MHz Ant1



Date: 17. APR 2025 15:32:59

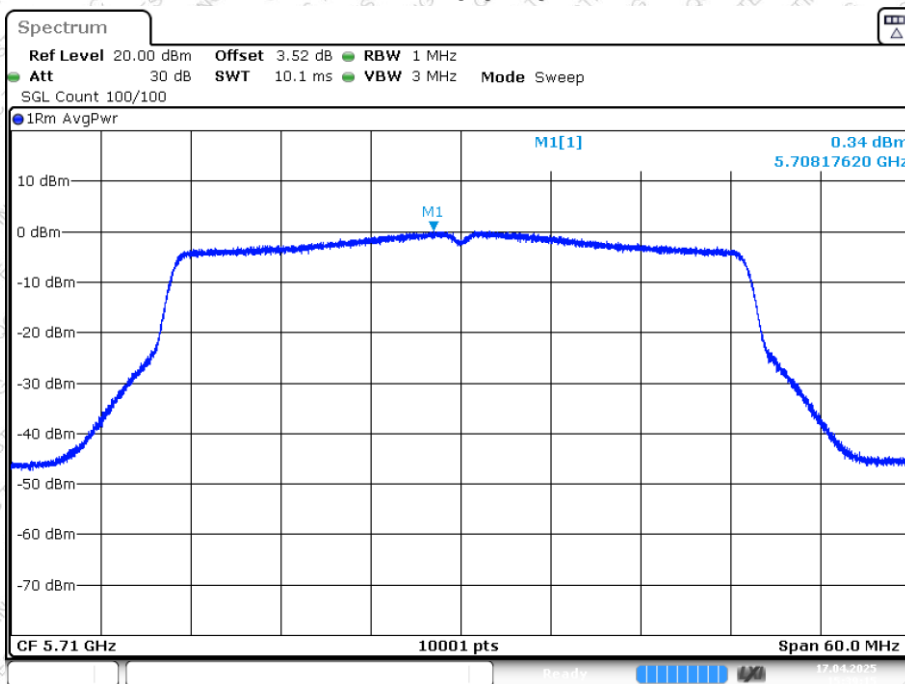


PSD NVNT ax40 5670MHz Ant1



Date: 17. APR 2025 15:36:41

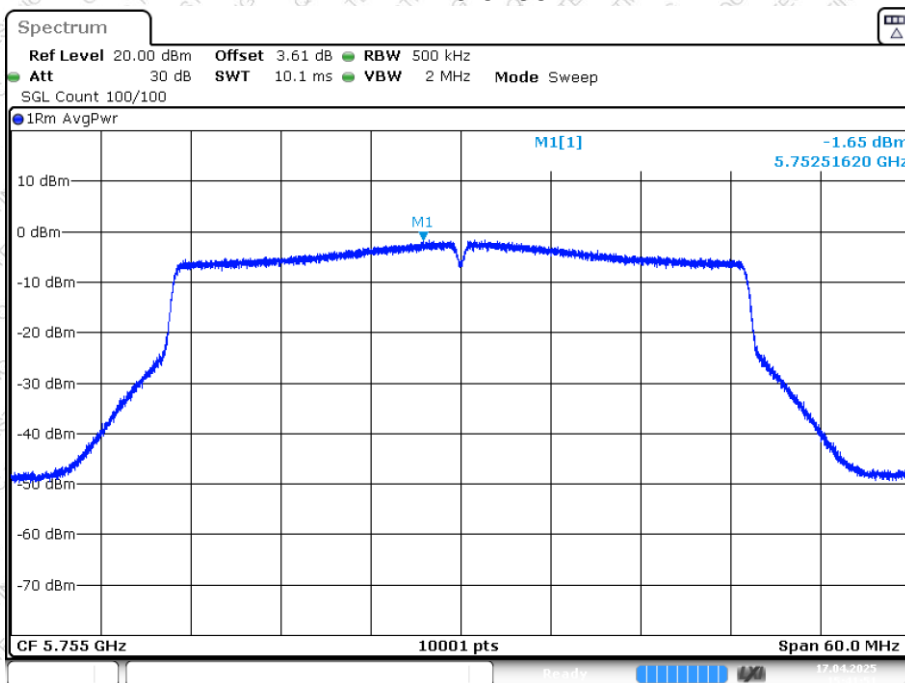
PSD NVNT ax40 5710MHz Ant1



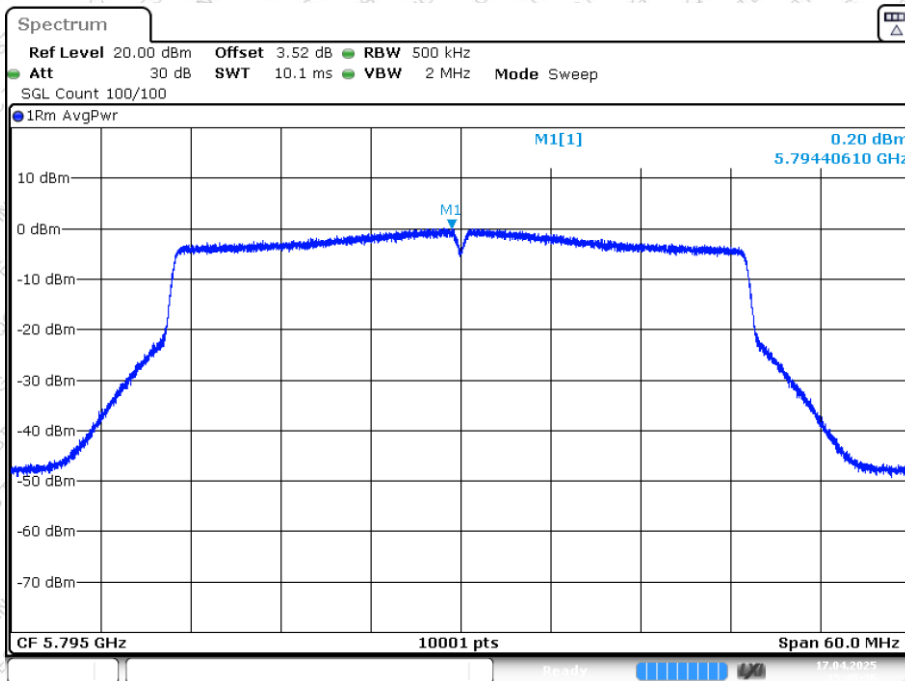
Date: 17. APR 2025 15:39:16



PSD NVNT ax40 5755MHz Ant1

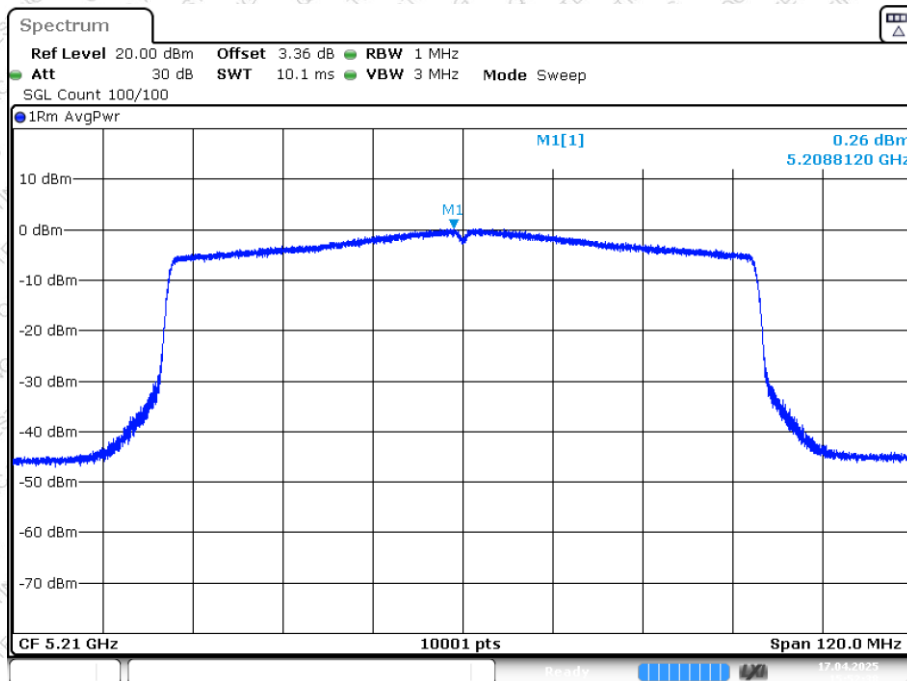


PSD NVNT ax40 5795MHz Ant1

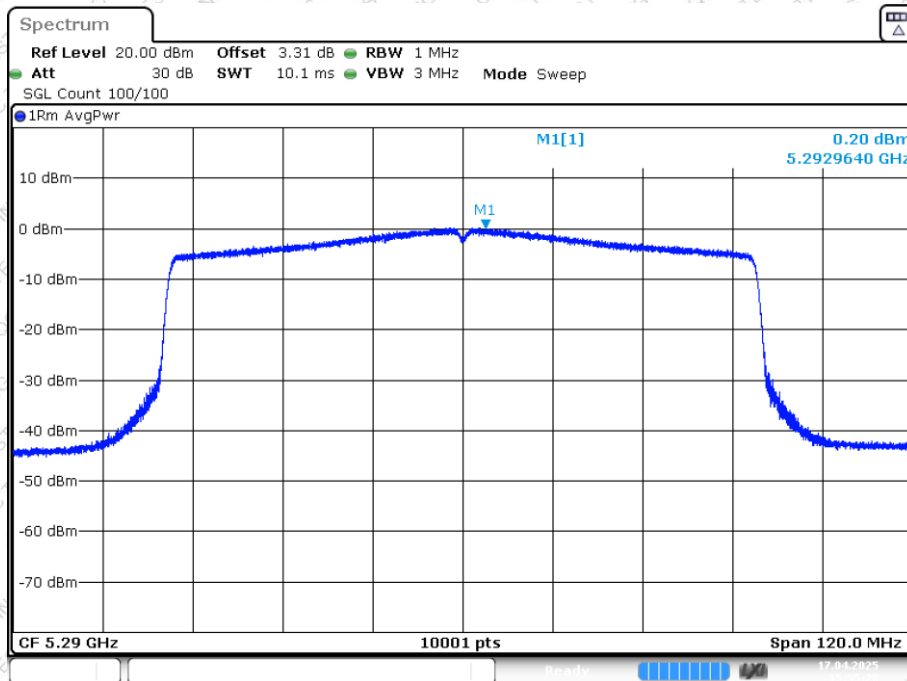




PSD NVNT ax80 5210MHz Ant1

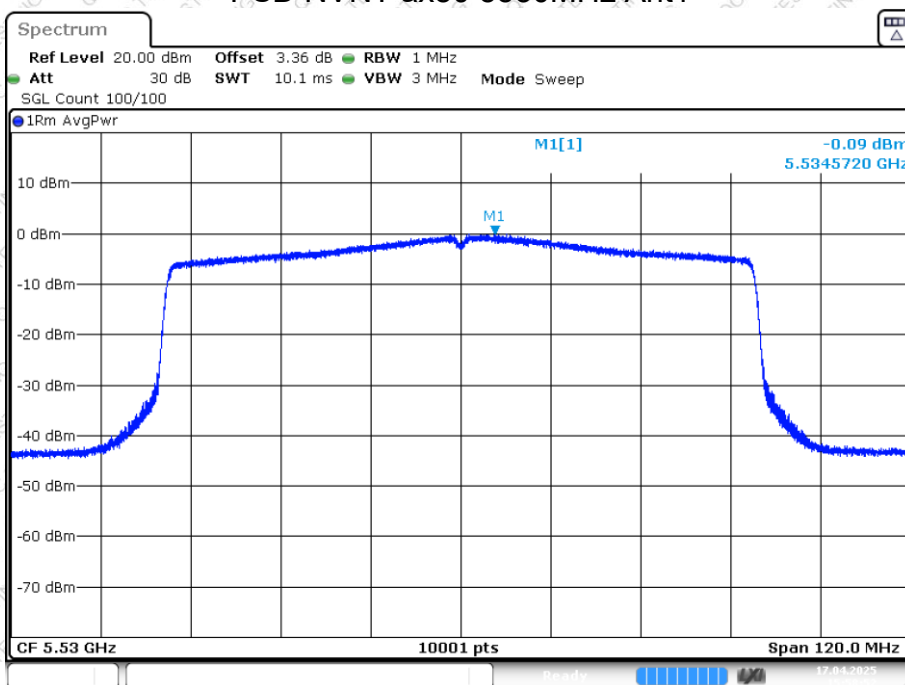


PSD NVNT ax80 5290MHz Ant1



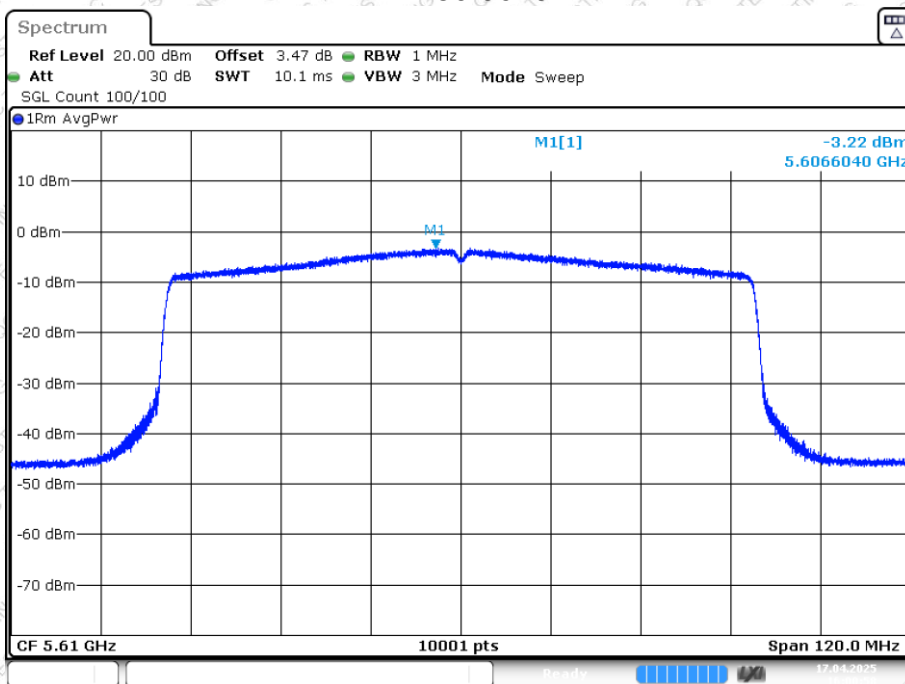


PSD NVNT ax80 5530MHz Ant1



Date: 17. APR 2025 15:58:52

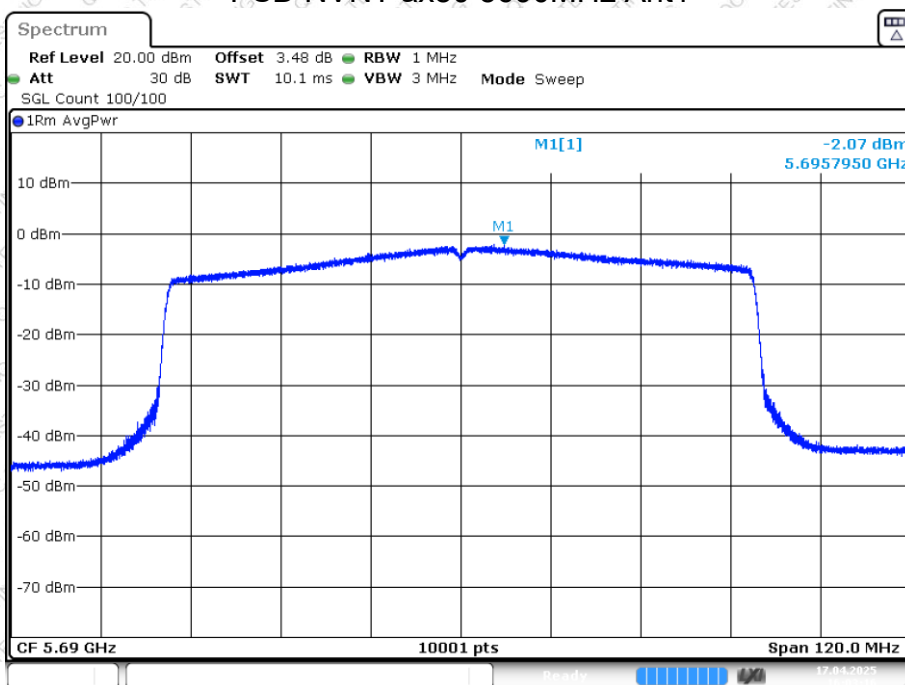
PSD NVNT ax80 5610MHz Ant1



Date: 17. APR 2025 16:00:58

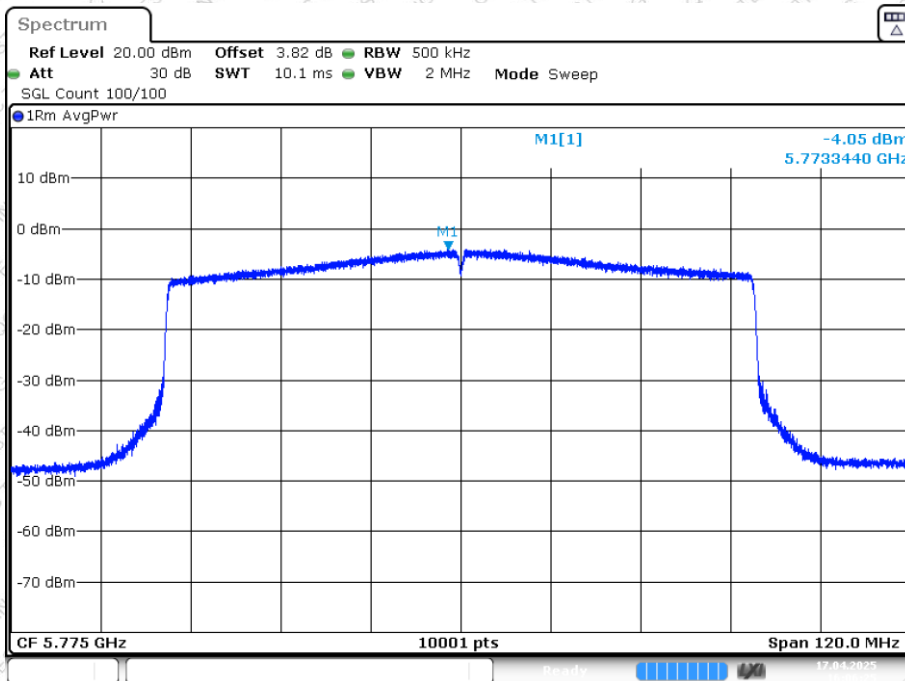


PSD NVNT ax80 5690MHz Ant1



Date: 17. APR 2025 16:03:17

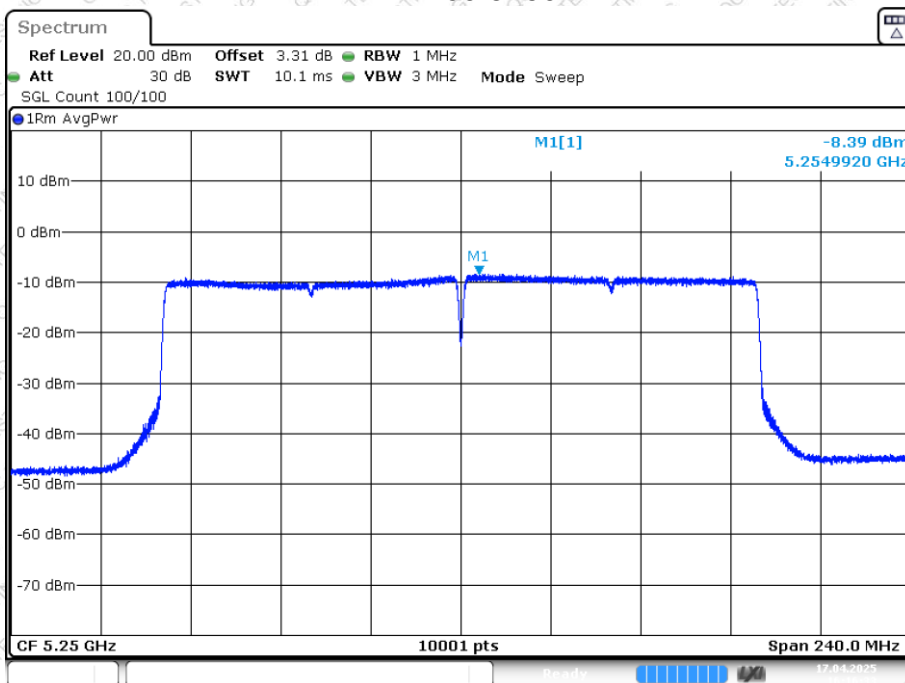
PSD NVNT ax80 5775MHz Ant1



Date: 17. APR 2025 16:06:25

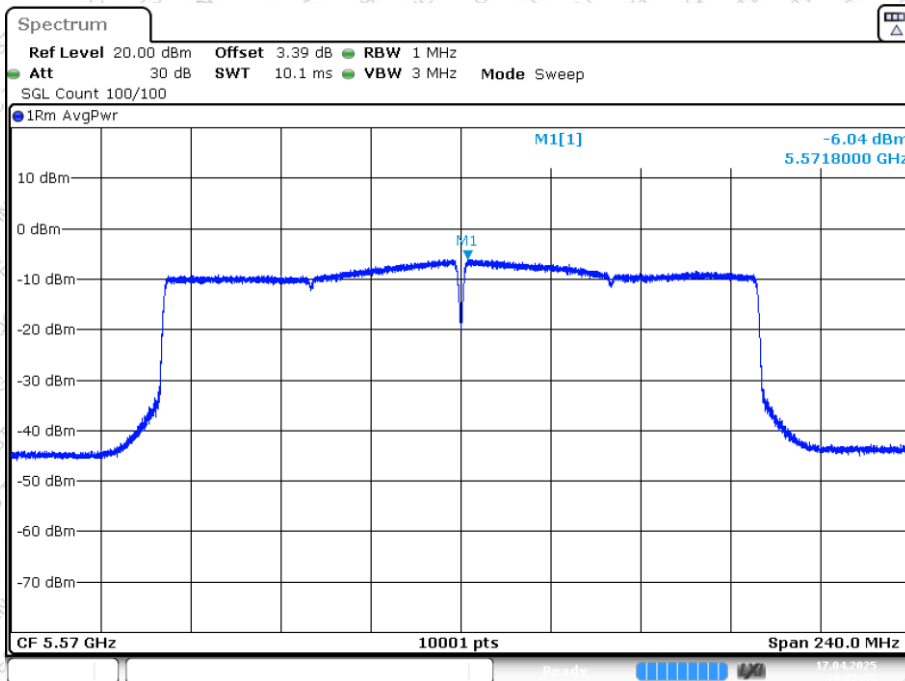


PSD NVNT ax160 5250MHz Ant1



Date: 17. APR 2025 16:16:34

PSD NVNT ax160 5570MHz Ant1



Date: 17. APR 2025 16:22:55

8. Band Edge

8.1. Applicable Standard

FCC Part15 C Section 15.205/ 15.407(b)

8.2. Limit

According to part 15.407b (1) (2) (3) (4)

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of-27 dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of-27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of-27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of-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, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

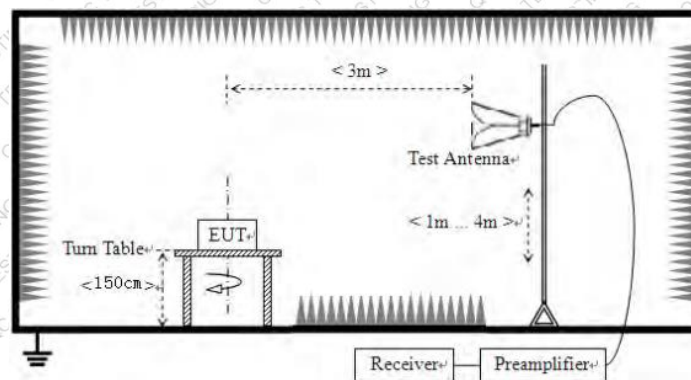
8.3. EMI Test Receiver Setup

Frequency	RBW	VBW	IF B/W	Measurement
9KHz-150KHz	200Hz	600Hz	/	QP
150KHz-30MHz	9KHz	30KHz	/	QP
30 MHz – 1000 MHz	100 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1 MHz	3 MHz	/	Peak
	1 MHz	10 Hz Note 1	/	Average
1MHz	1MHz	> 1/T Note 2	/	Average

Note 1: when duty cycle is no less than 98%

Note 2: when duty cycle is less than 98%

8.4. Test setup



8.5. Test Procedure

- The EUT was placed on the top of a rotating table 1.5 m above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.



- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

8.6. Test Data

Temperature	26 °C	Humidity	54%
ATM Pressure	101.1kPa	Antenna Gain	1.49dBi
Test by	LBi Li	Test result	PASS

Remarks:

According to KDB 789033 D02v02r01 section G) 1) d), for measurements above 1000 MHz @3m distance, the limit of field strength is computed as follows:

$$E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2;$$

$$E[\text{dBuV/m}] = -27 + 95.2 = 68.2\text{dBuV/m}.$$

$$E[\text{dBuV/m}] = 10 + 95.2 = 105.2\text{dBuV/m}.$$

$$E[\text{dBuV/m}] = 15.6 + 95.2 = 110.8\text{dBuV/m}.$$

$$E[\text{dBuV/m}] = 27 + 95.2 = 122.2\text{dBuV/m}$$

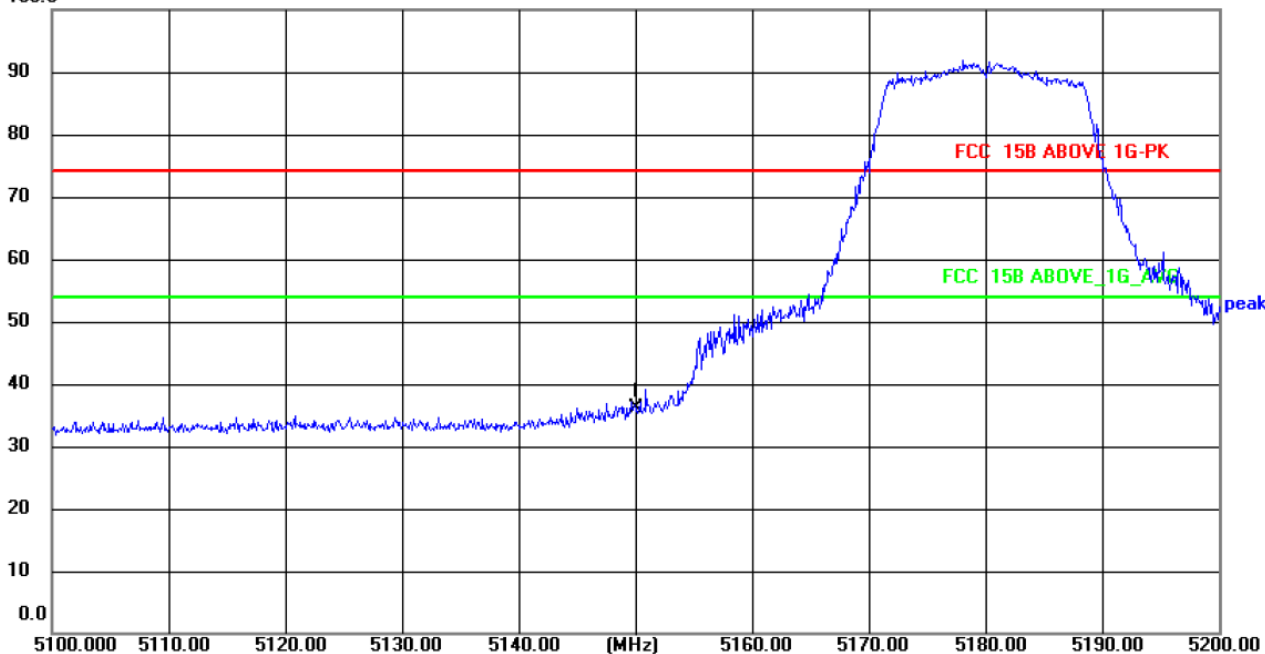


Pre-scan all test modes, found worst case at 802.11ac mode, and so only show the test result of 802.11ac mode.

802.11ac20 5180MHz

Horizontal:

100.0 dBuV/m

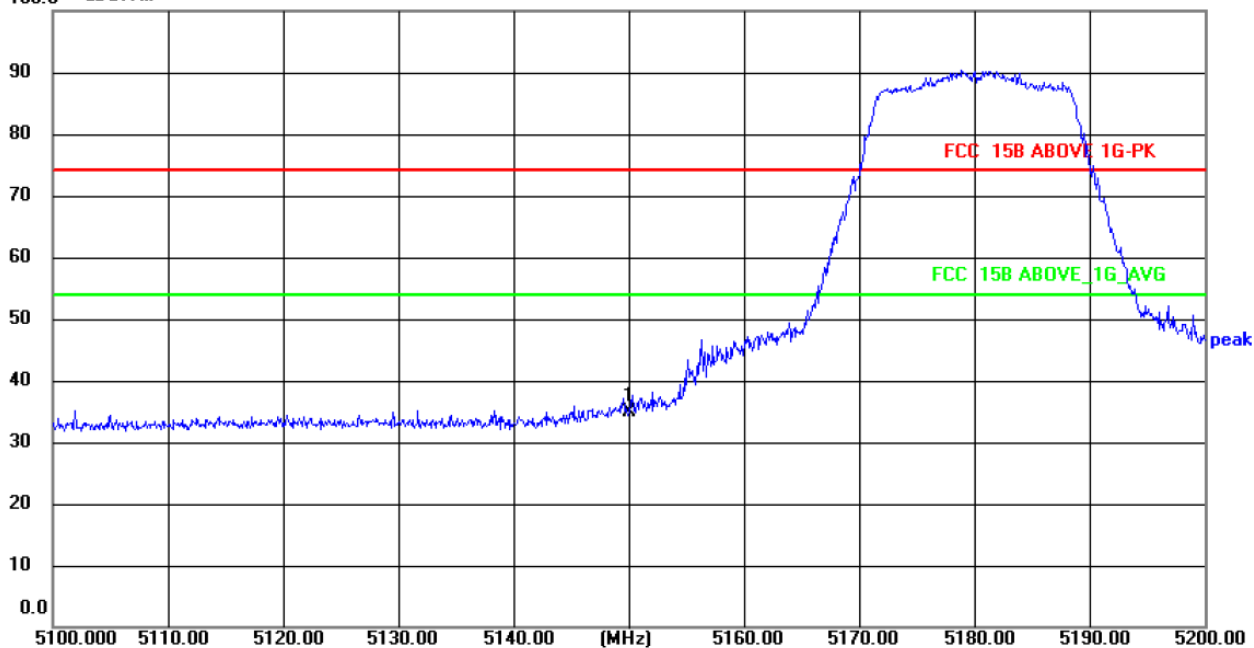


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5150.000	53.96	-17.94	36.02	74.00	37.98	peak



Vertical:

100.0 dBuV/m



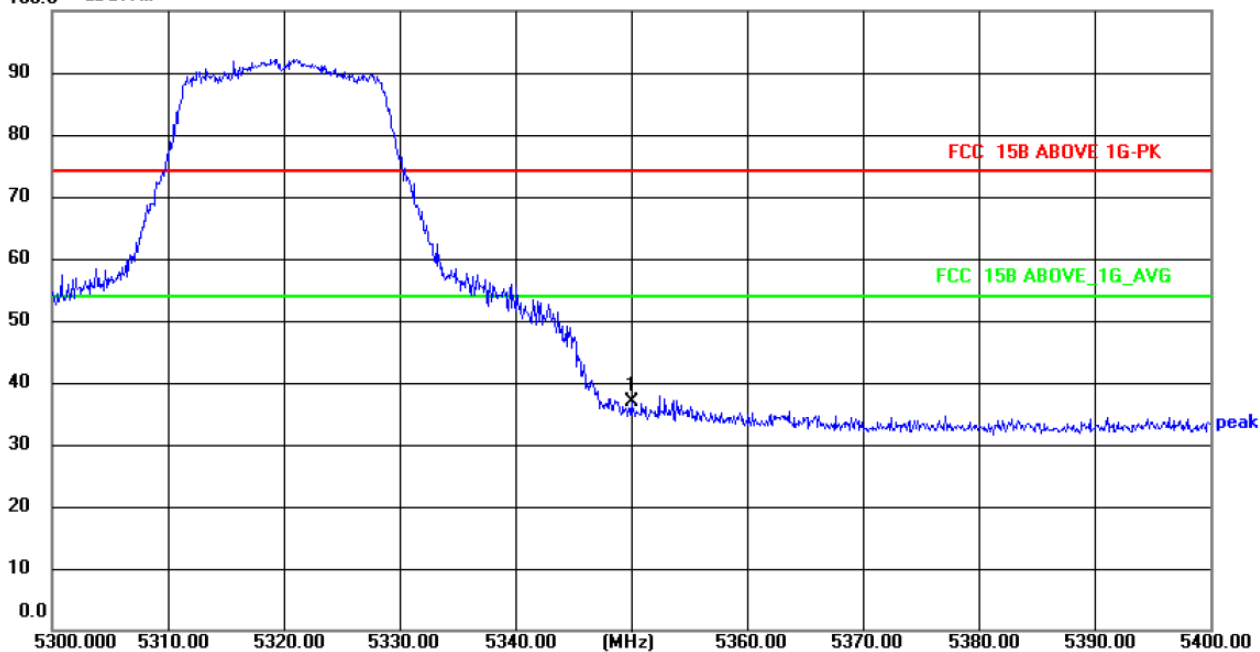
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5150.000	52.82	-17.94	34.88	74.00	39.12	peak



802.11ac20 5320MHz

Horizontal:

100.0 dBuV/m

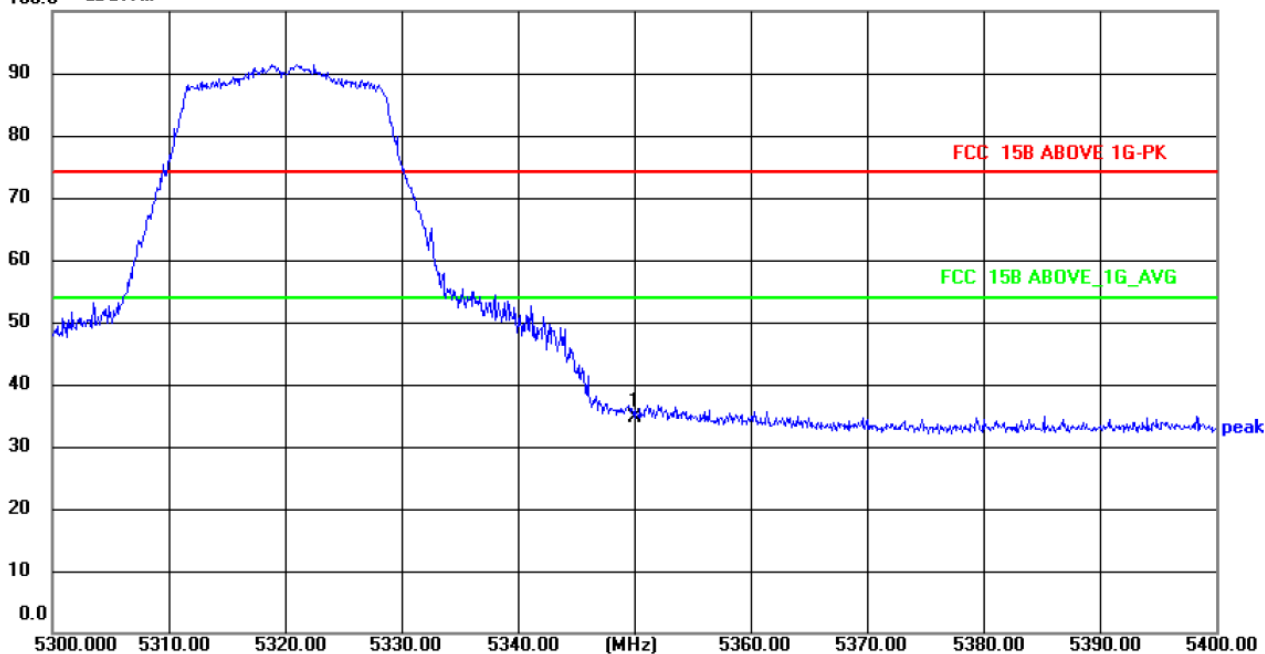


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5350.000	54.38	-17.51	36.87	74.00	37.13	peak



Vertical:

100.0 dBuV/m



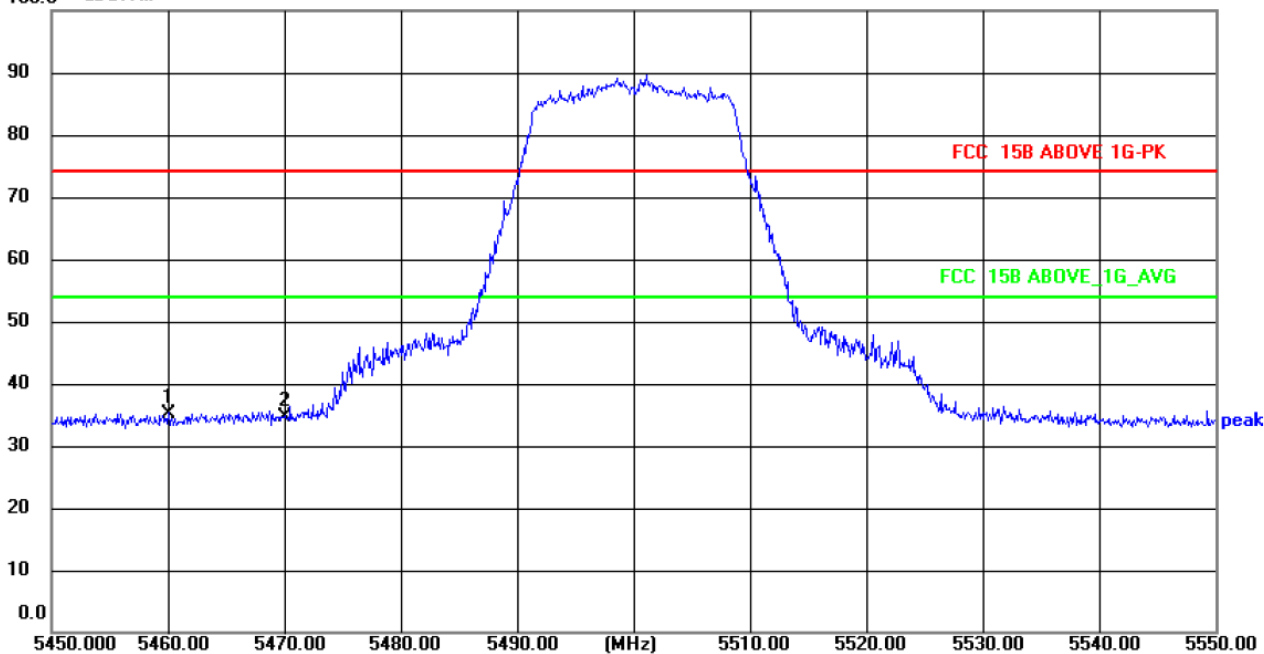
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5350.000	52.25	-17.51	34.74	74.00	39.26	peak



802.11ac20 5500MHz

Horizontal:

100.0 dBuV/m

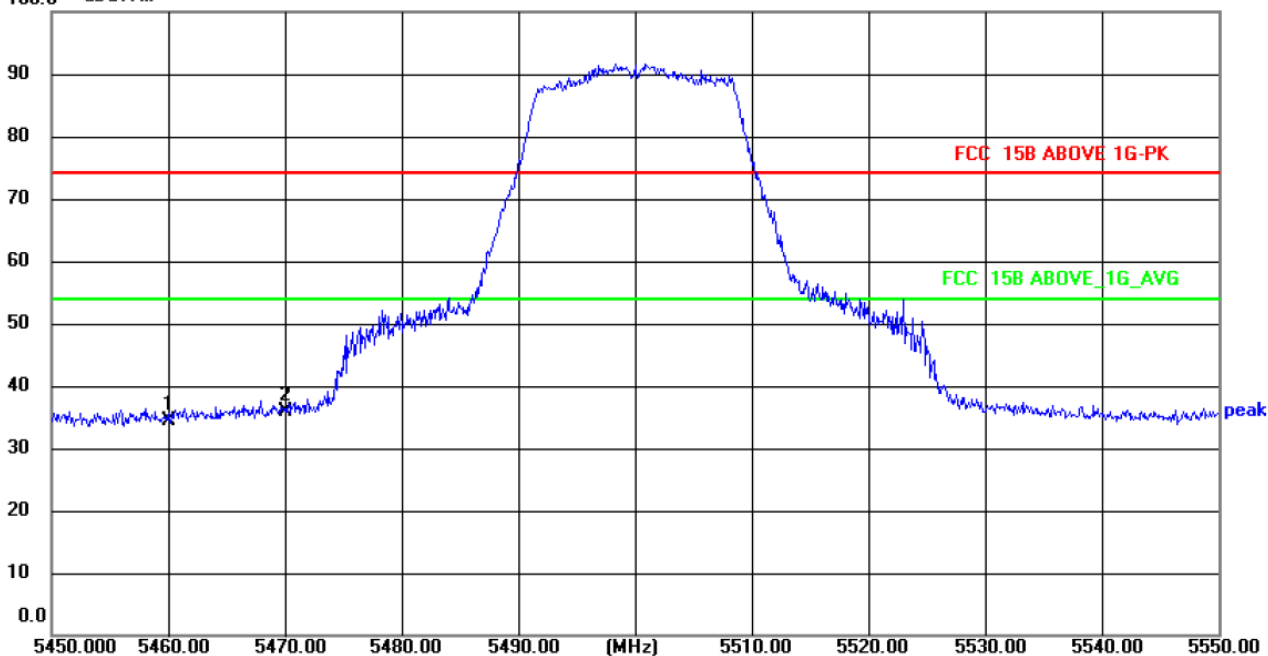


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5460.000	52.52	-17.28	35.24	68.20	32.96	peak
2	5470.000	52.01	-17.26	34.75	68.20	33.45	peak



Vertical:

100.0 dBuV/m



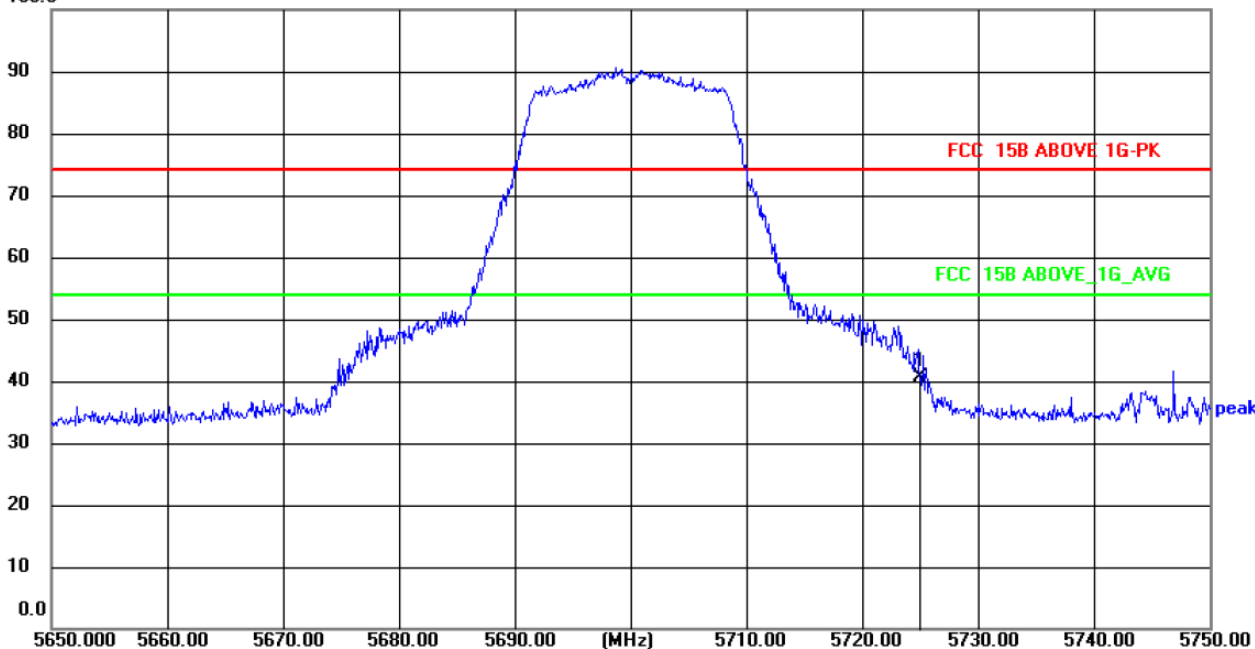
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5460.000	51.66	-17.28	34.38	68.20	33.82	peak
2 *	5470.000	53.10	-17.26	35.84	68.20	32.36	peak



802.11ac20 5700MHz

Horizontal:

100.0 dBuV/m

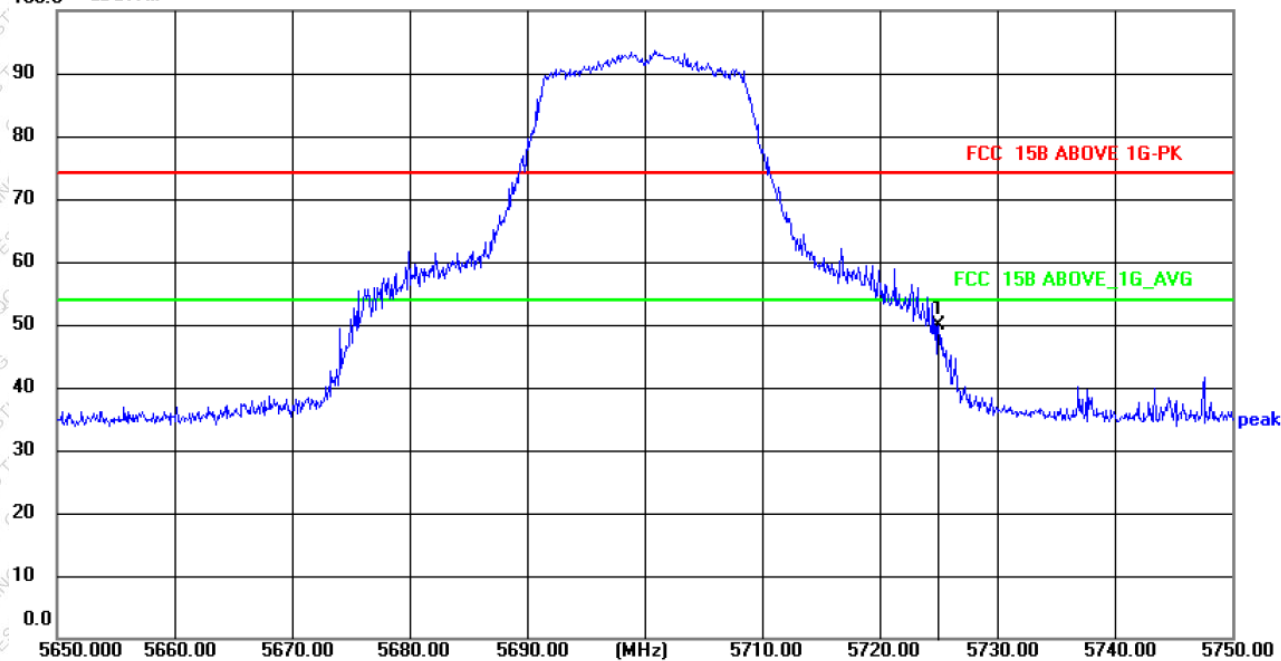


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	57.84	-17.13	40.71	68.20	27.49	peak



Vertical:

100.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	67.11	-17.13	49.98	68.20	18.22	peak

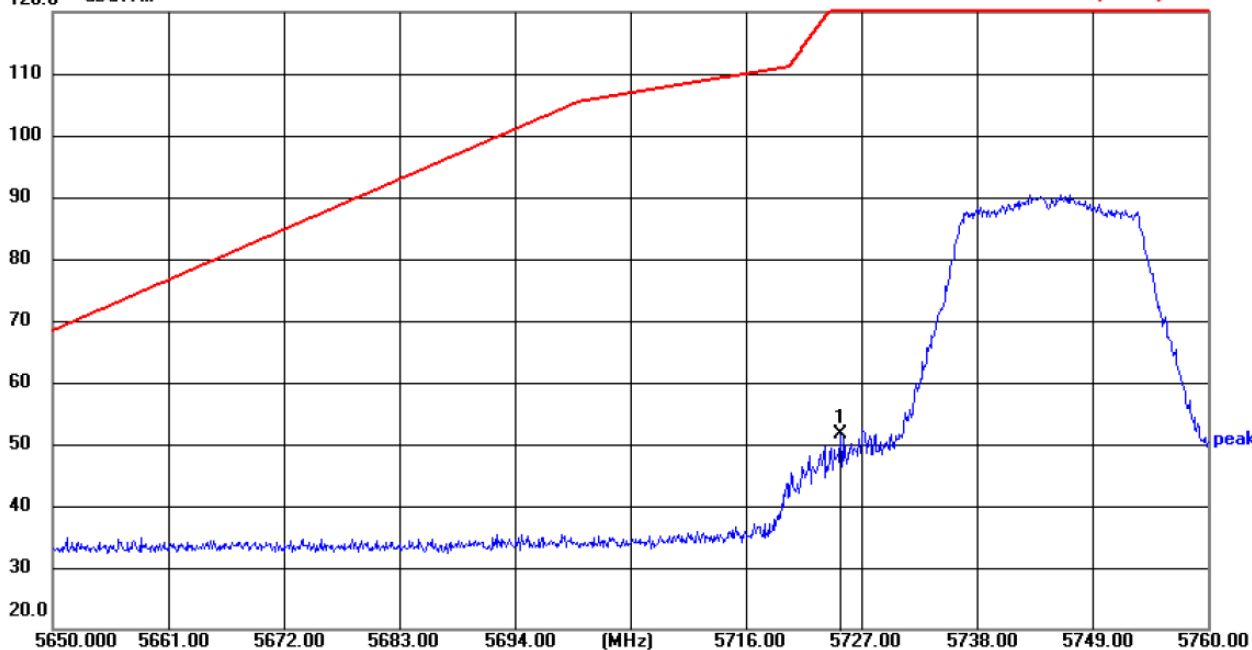


802.11ac20 5745MHz

Horizontal:

120.0 dBuV/m

FCC 15 (5G B4)

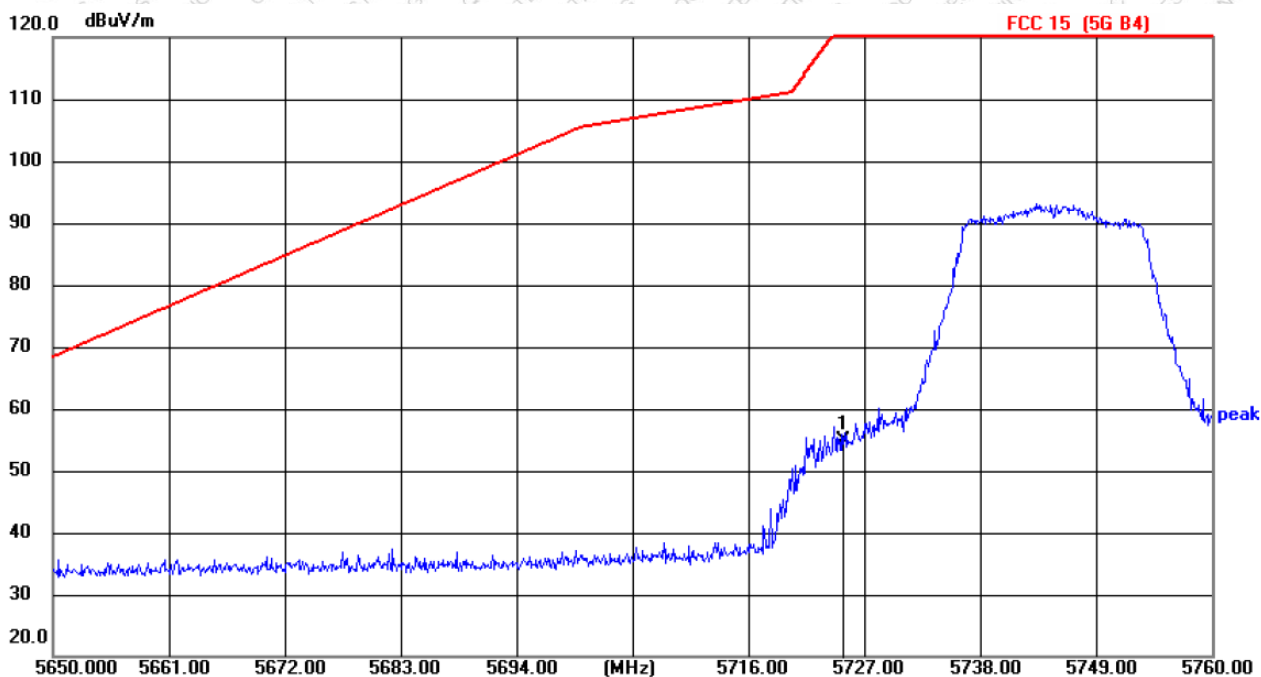


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	68.74	-17.13	51.61	122.23	70.62	peak



Vertical:

120.0 dBuV/m

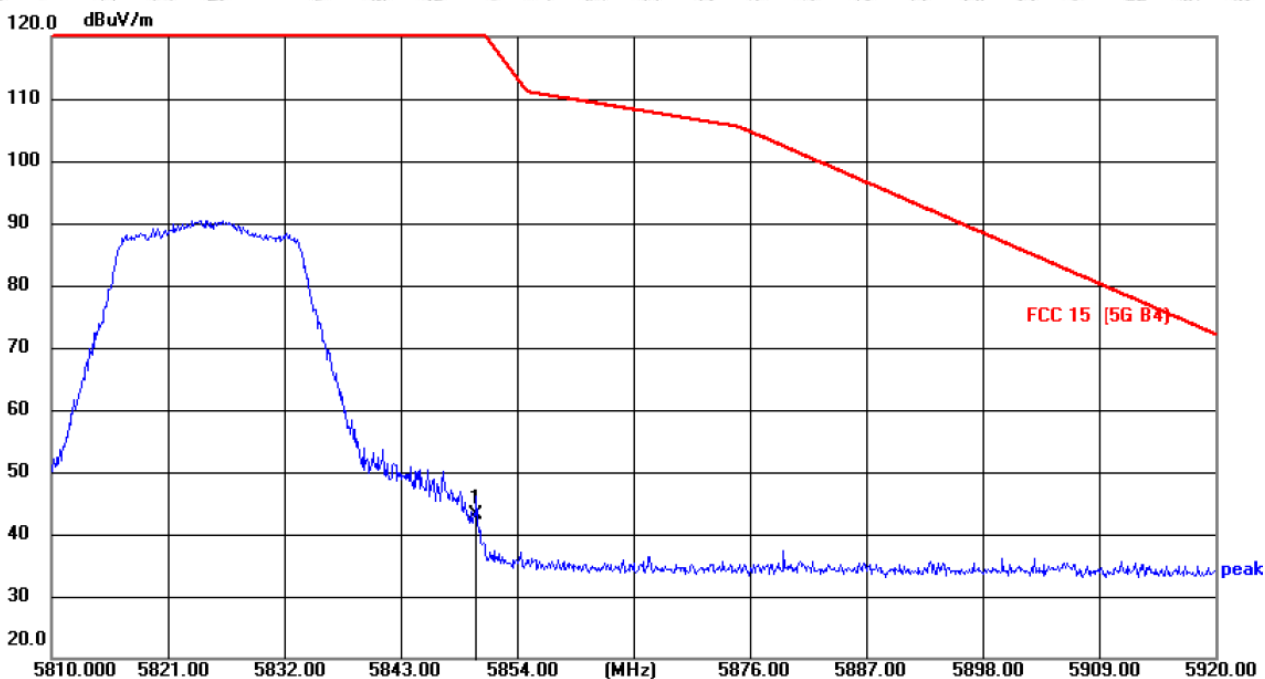


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	72.09	-17.13	54.96	122.23	67.27	peak



802.11ac20 5825MHz

Horizontal:

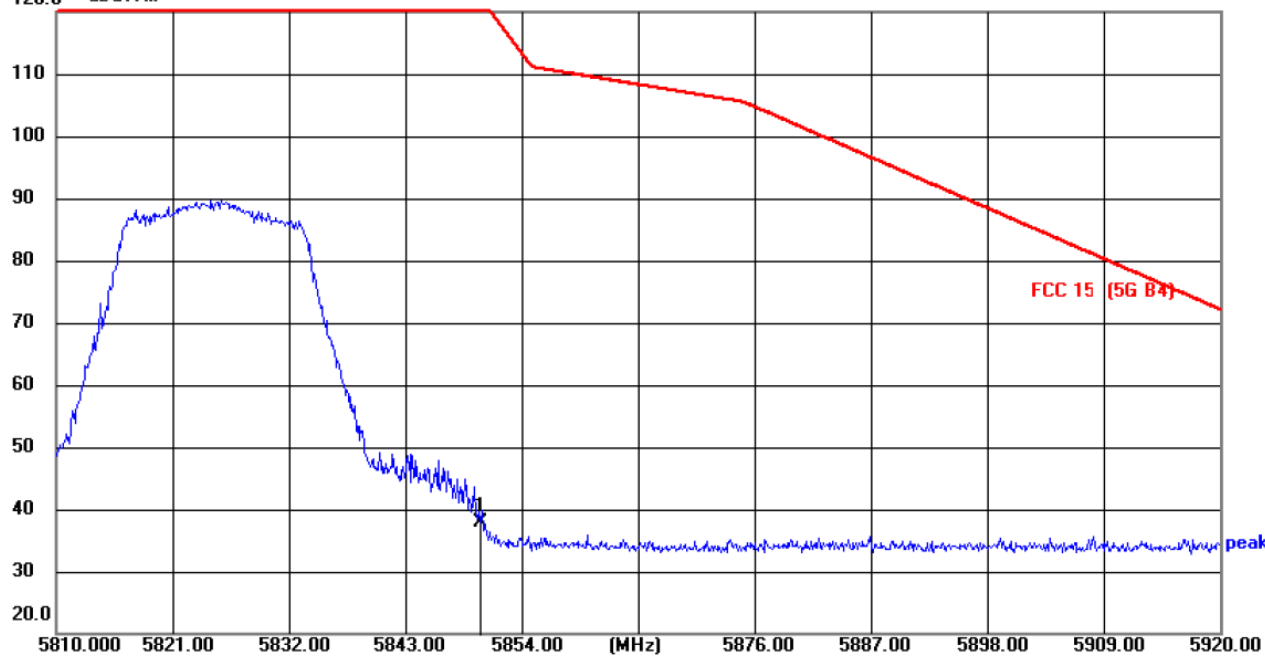


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	60.23	-17.09	43.14	122.23	79.09	peak



Vertical:

120.0 dBuV/m



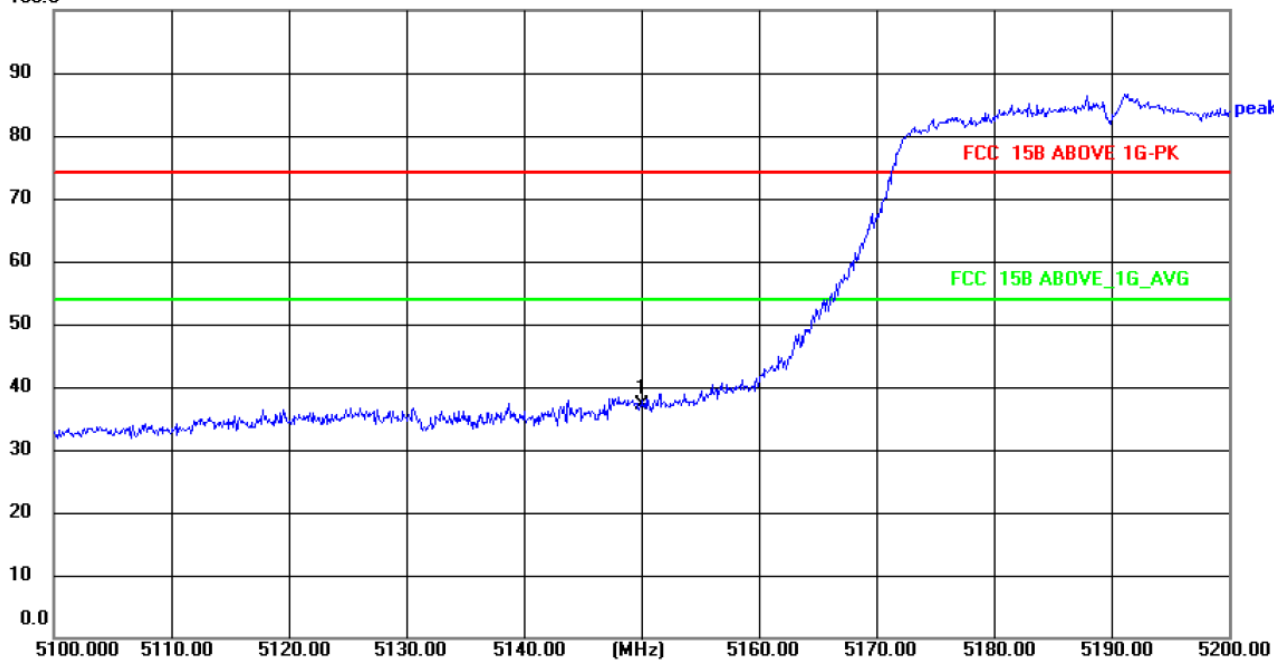
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	55.05	-17.09	37.96	122.23	84.27	peak



802.11ac40 5190MHz

Horizontal:

100.0 dBuV/m

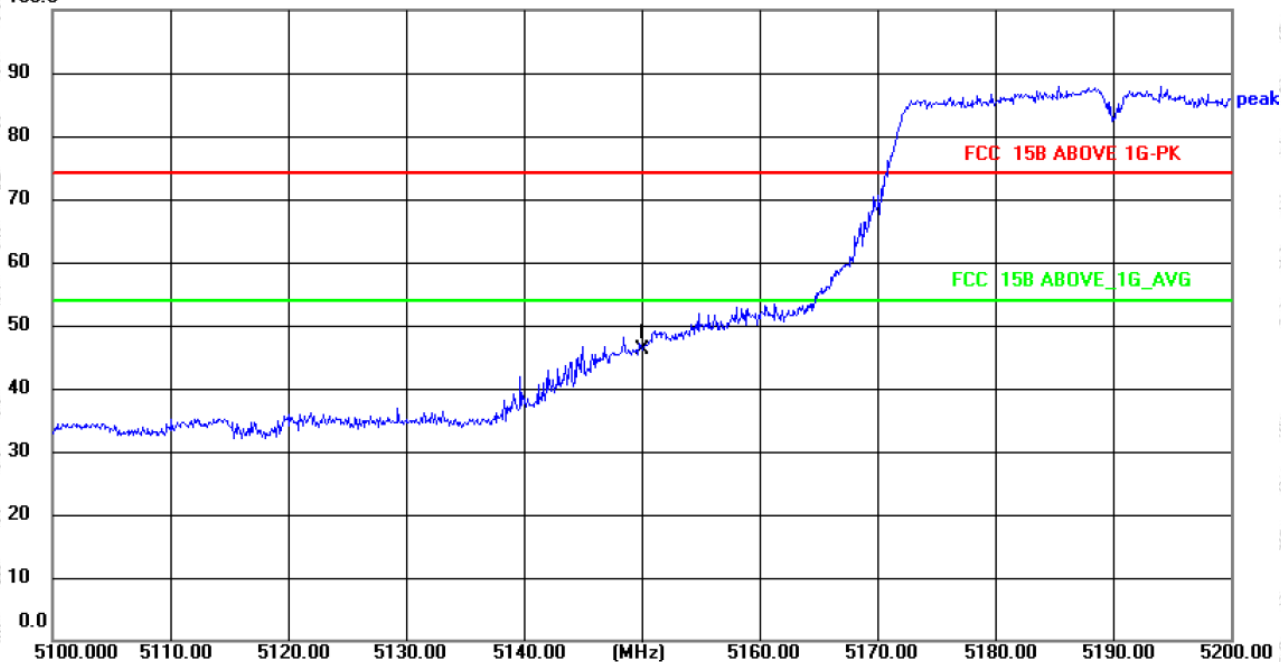


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5150.000	55.08	-17.94	37.14	74.00	36.86	peak



Vertical:

100.0 dBuV/m



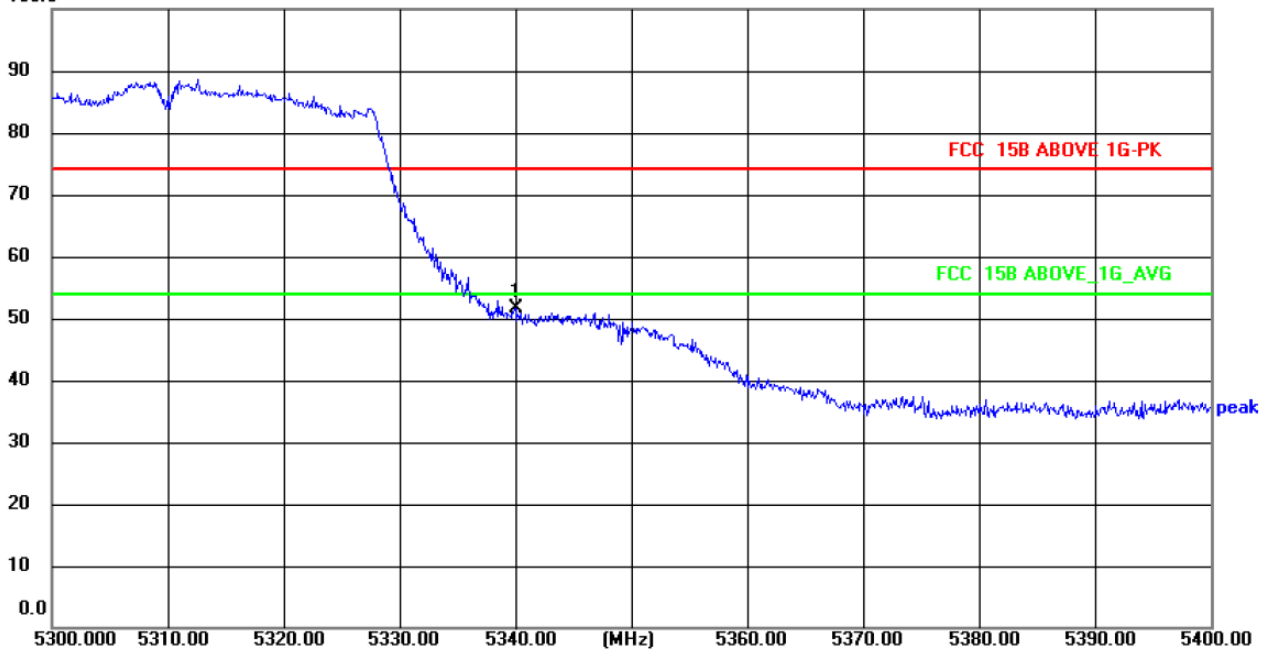
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5150.000	63.96	-17.94	46.02	74.00	27.98	peak



802.11ac40 5310MHz

Horizontal:

100.0 dBuV/m

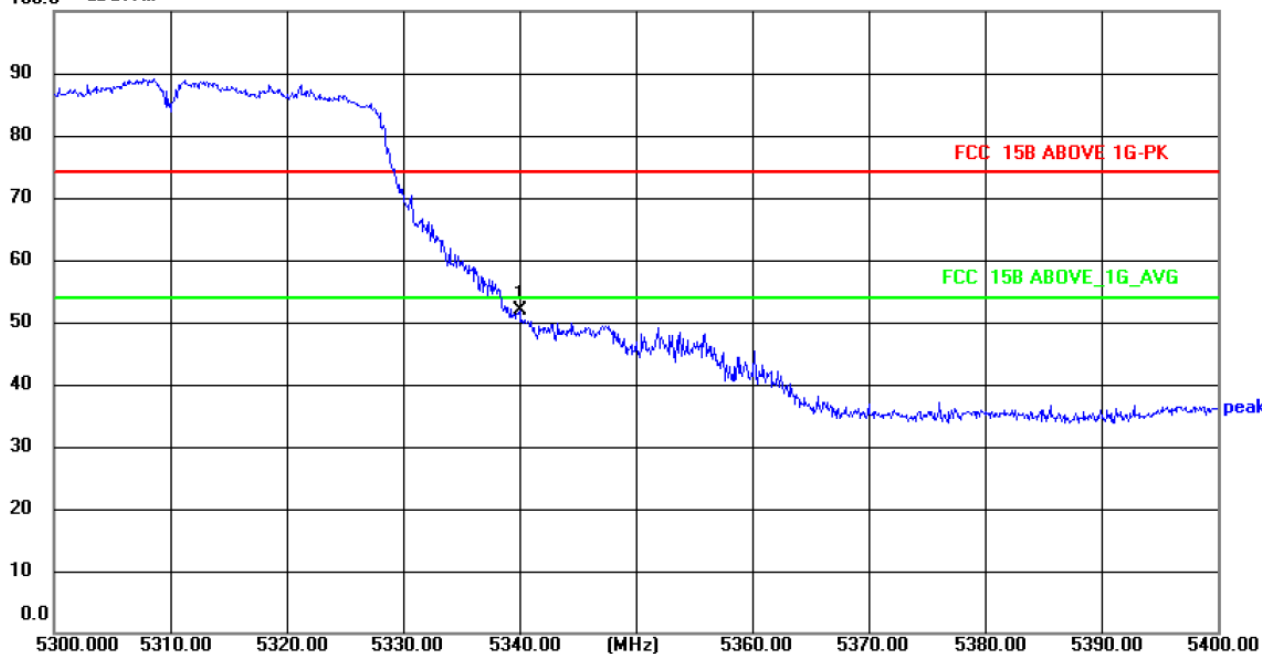


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5340.000	69.10	-17.53	51.57	74.00	22.43	peak



Vertical:

100.0 dBuV/m



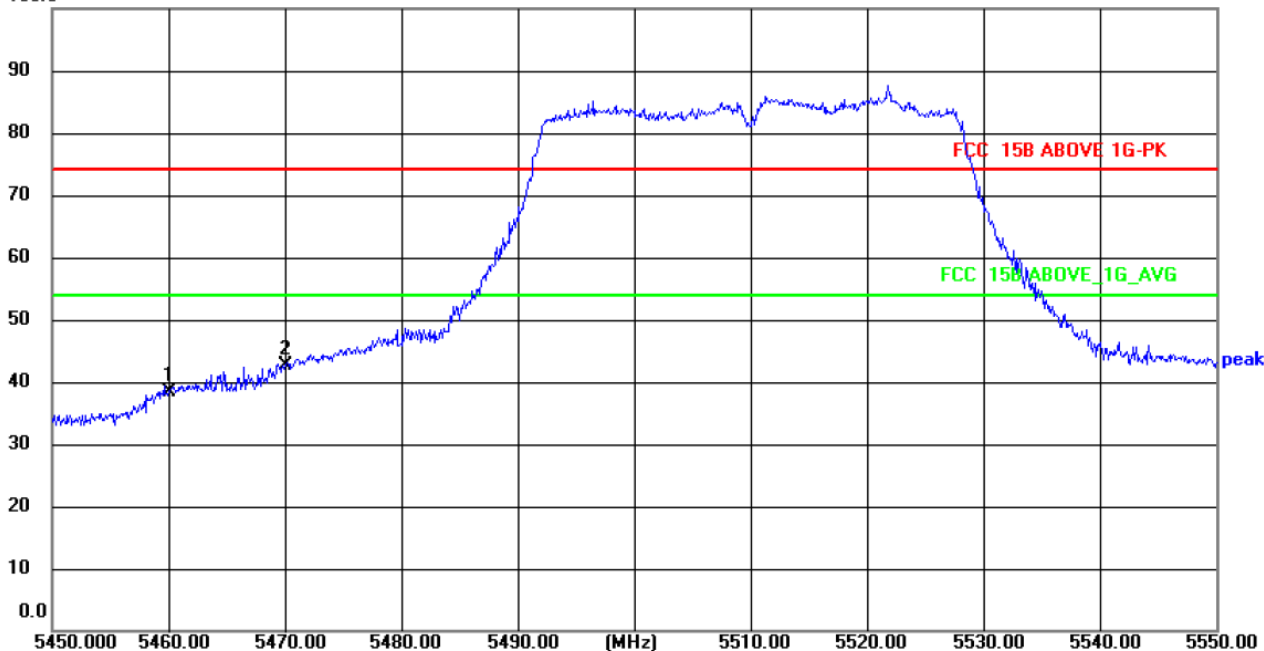
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5340.000	69.42	-17.53	51.89	74.00	22.11	peak



802.11ac40 5510MHz

Horizontal:

100.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5460.000	55.67	-17.28	38.39	68.20	29.81	peak
2 *	5470.000	59.92	-17.26	42.66	68.20	25.54	peak