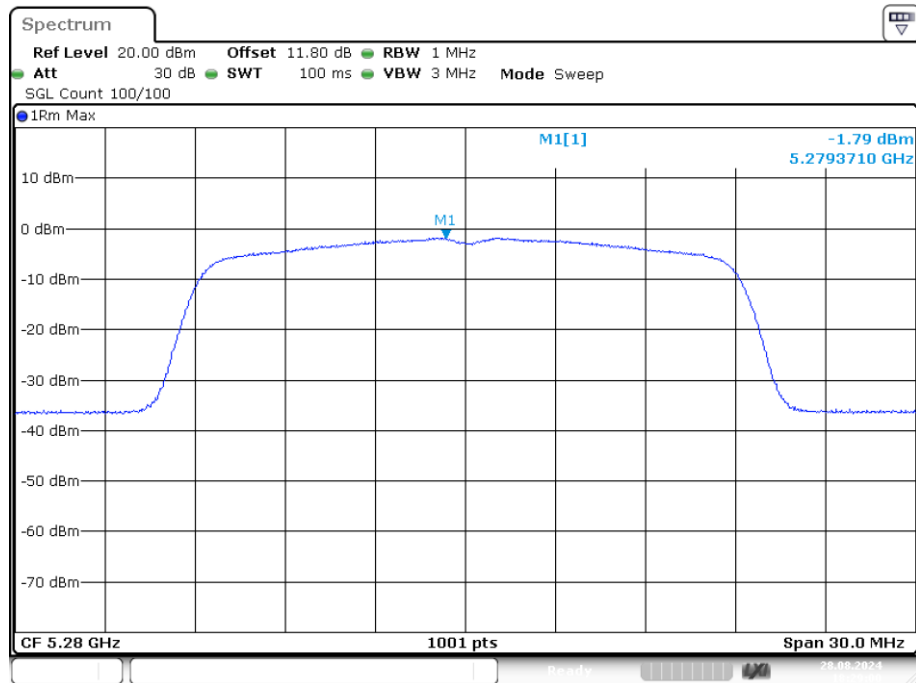
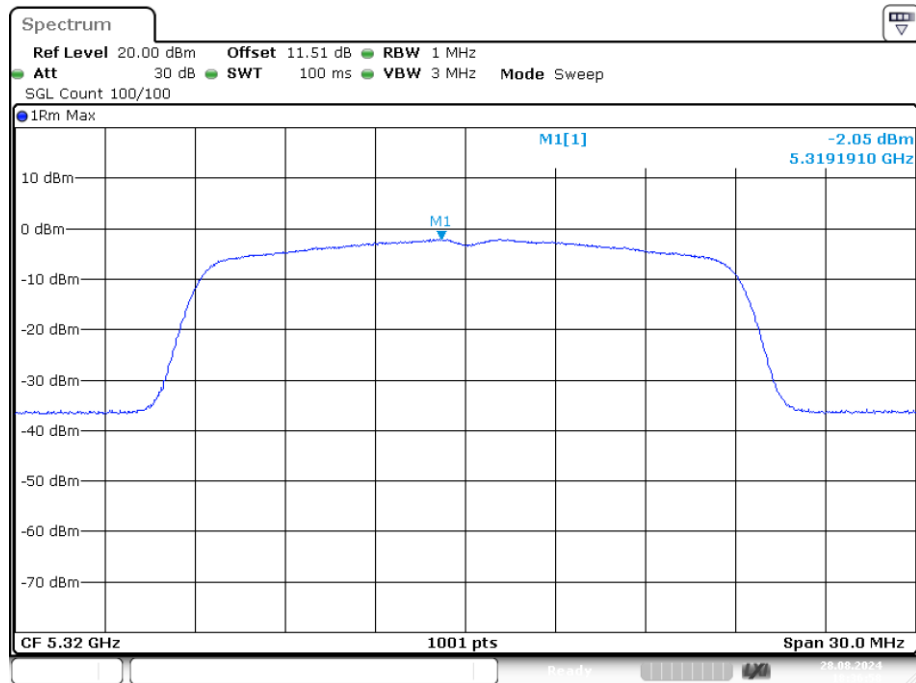




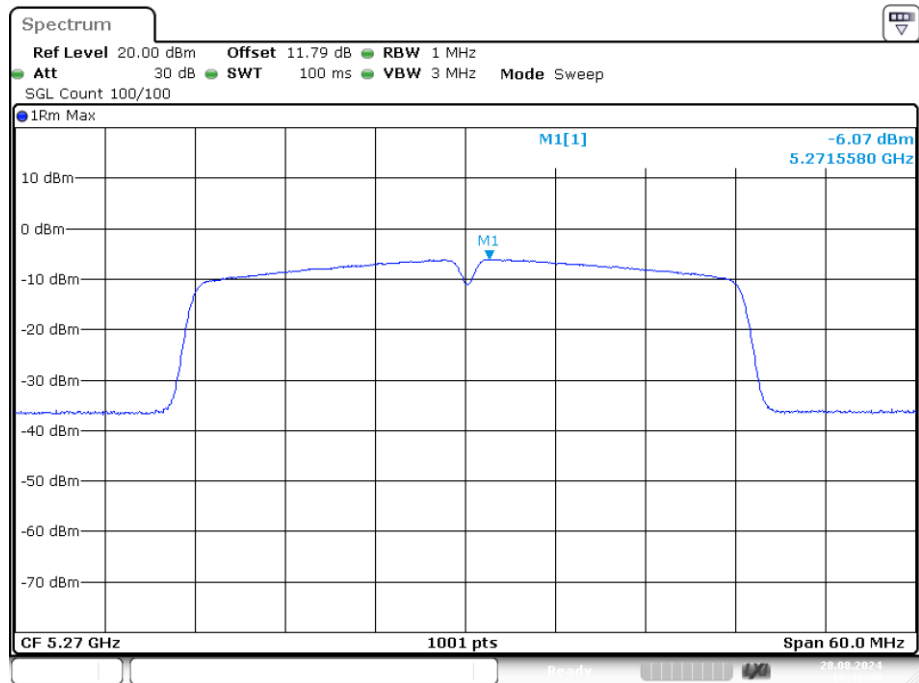
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PSD NVNT ac20 5320MHz Ant2

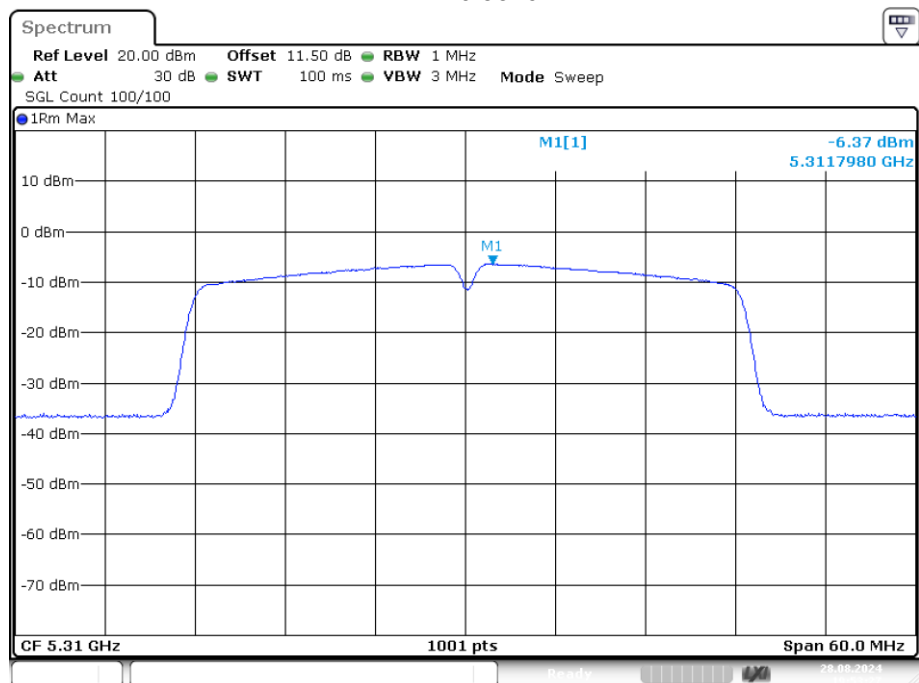


Date: 28.AUG.2024 18:36:59

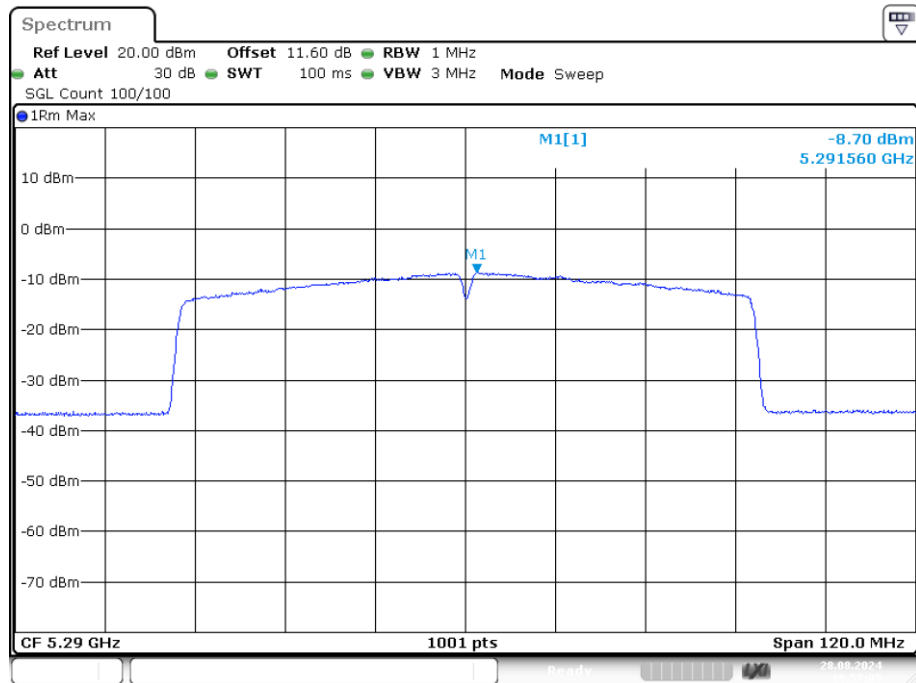
PSD NVNT ac40 5270MHz Ant2



PSD NVNT ac40 5310MHz Ant2

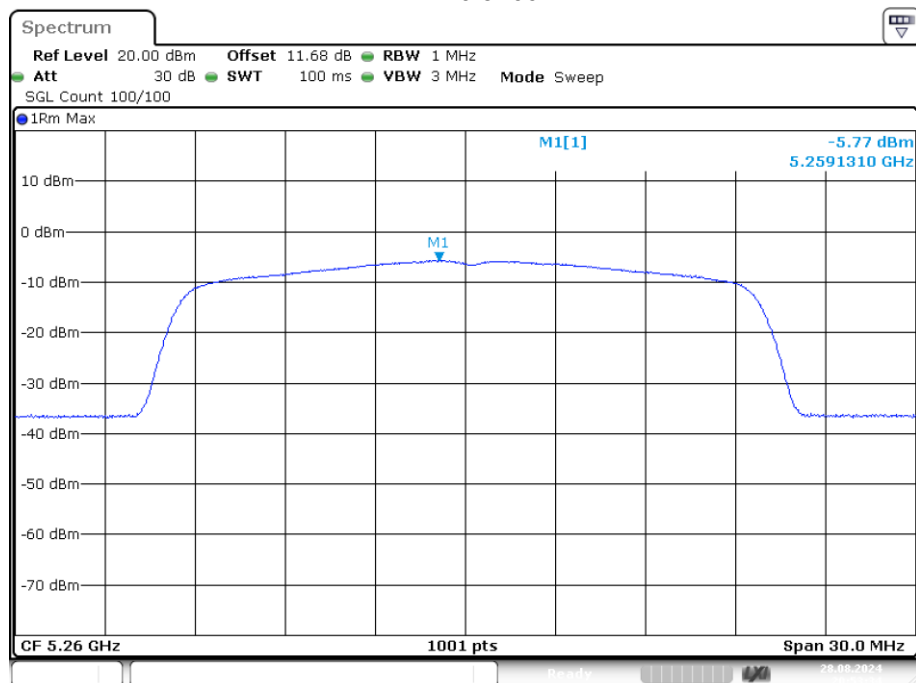


PSD NVNT ac80 5290MHz Ant2



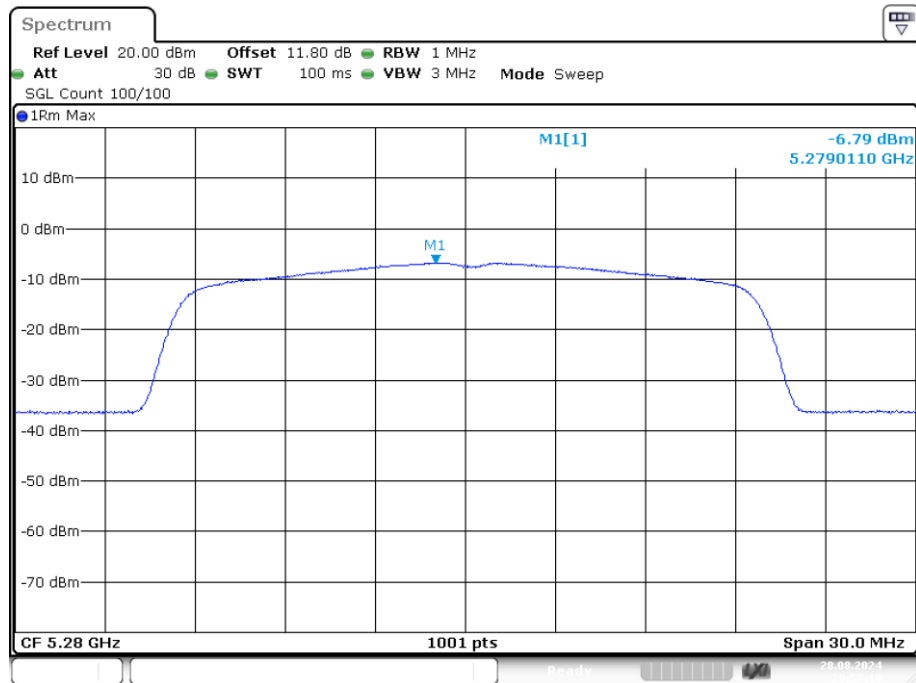
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PSD NVNT ax20 5260MHz Ant2

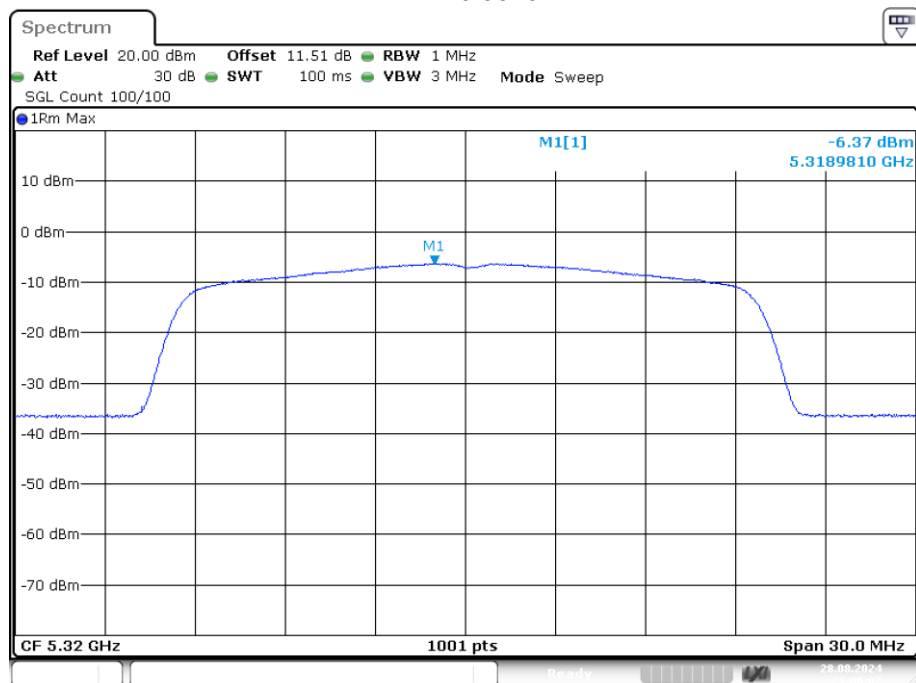


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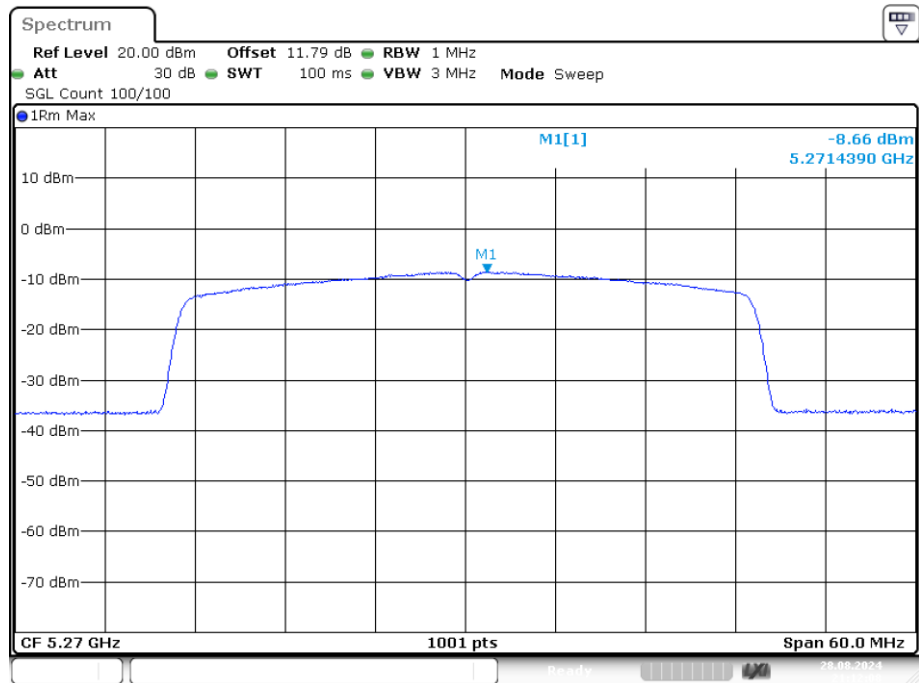
PSD NVNT ax20 5280MHz Ant2



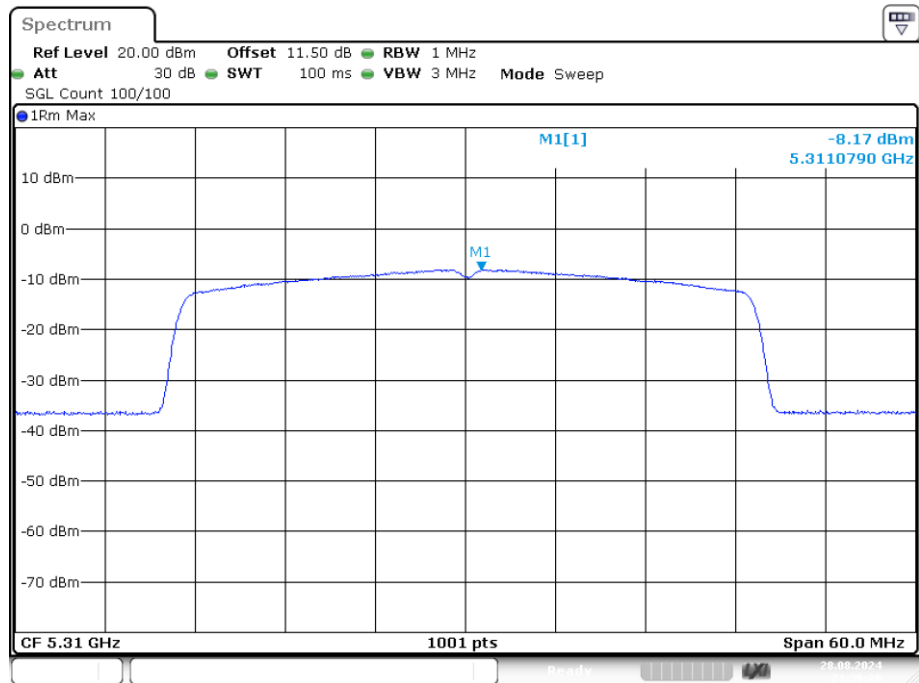
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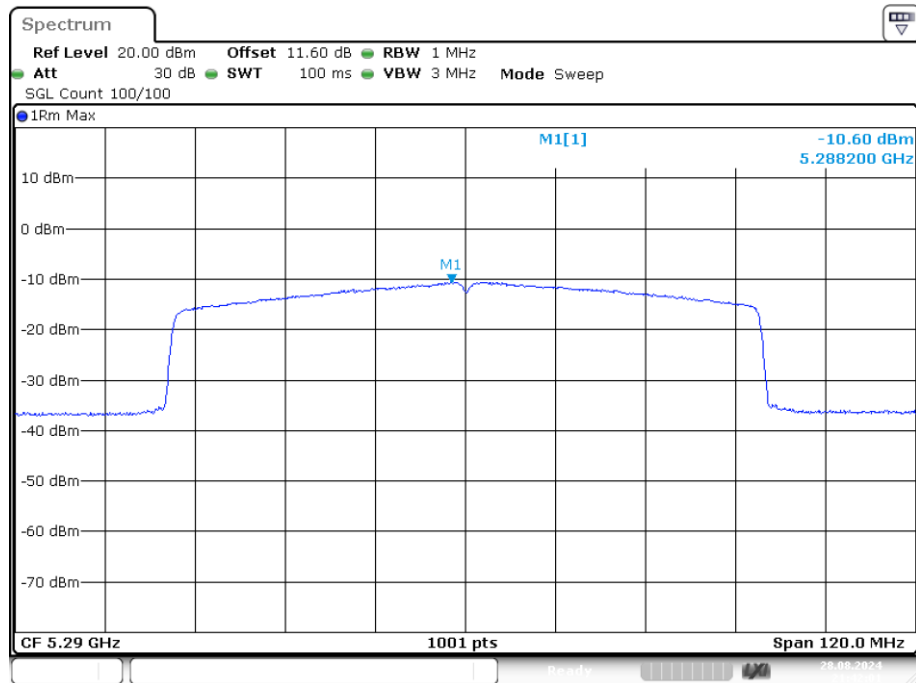
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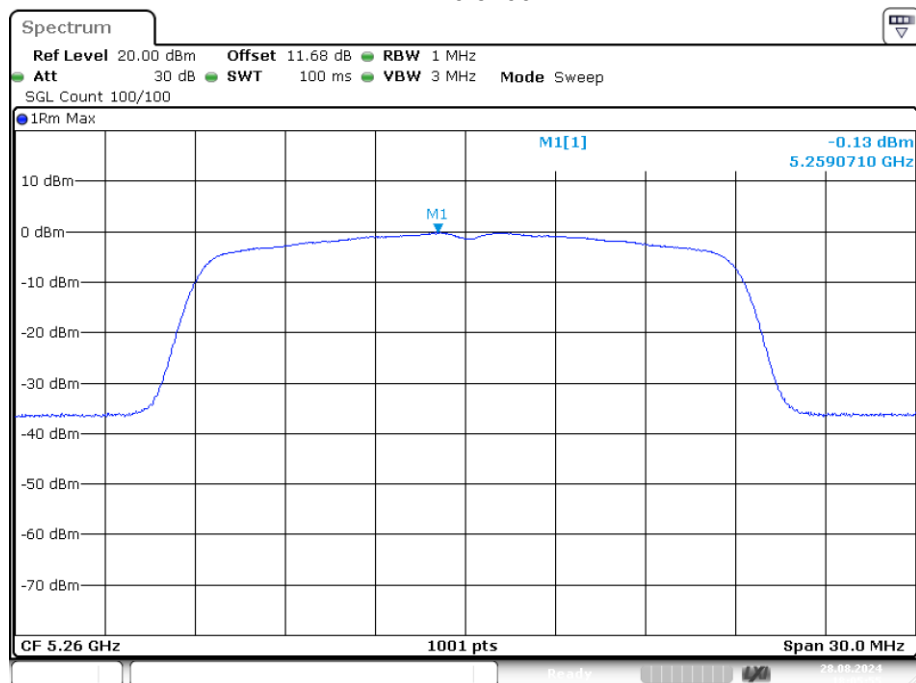
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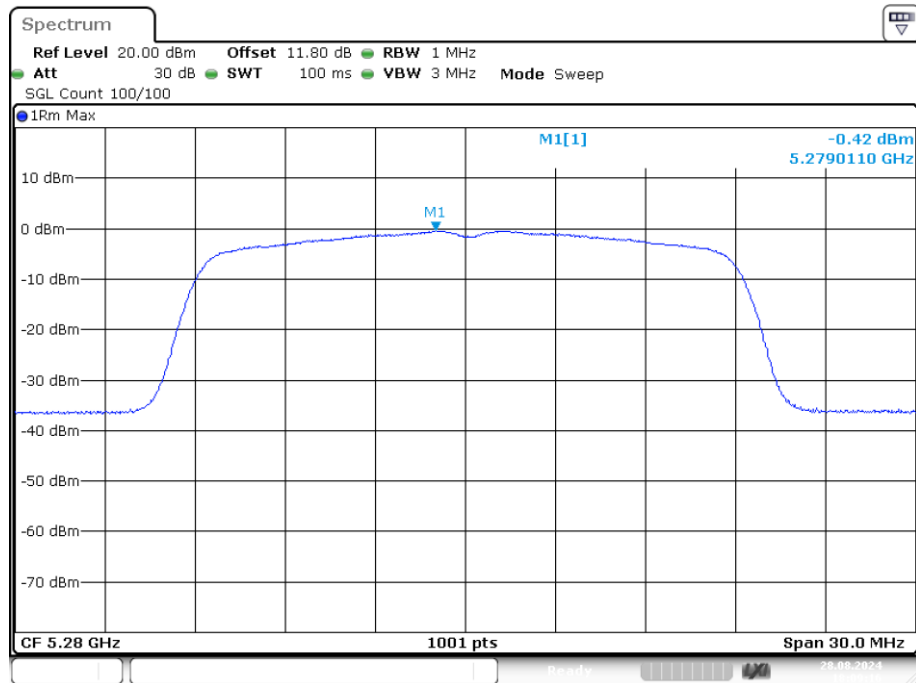
PSD NVNT ax80 5290MHz Ant2



PSD NVNT n20 5260MHz Ant2

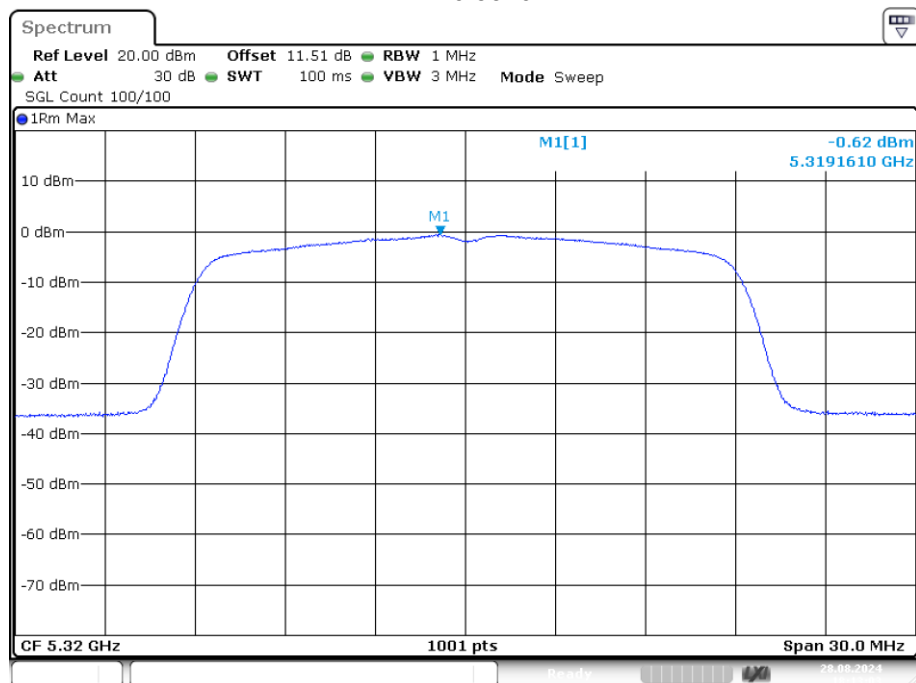


PSD NVNT n20 5280MHz Ant2



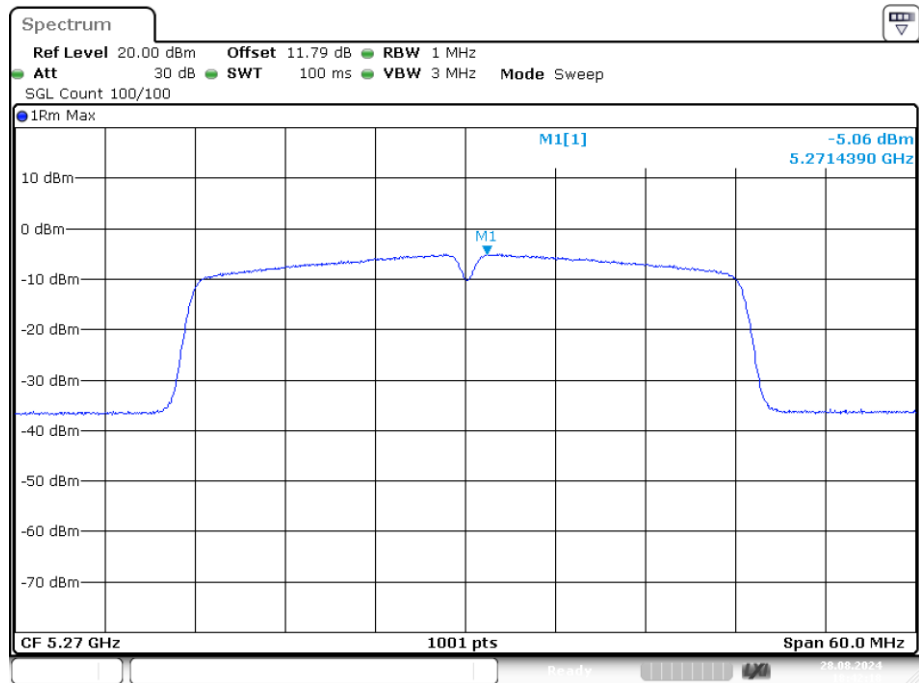
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PSD NVNT n20 5320MHz Ant2

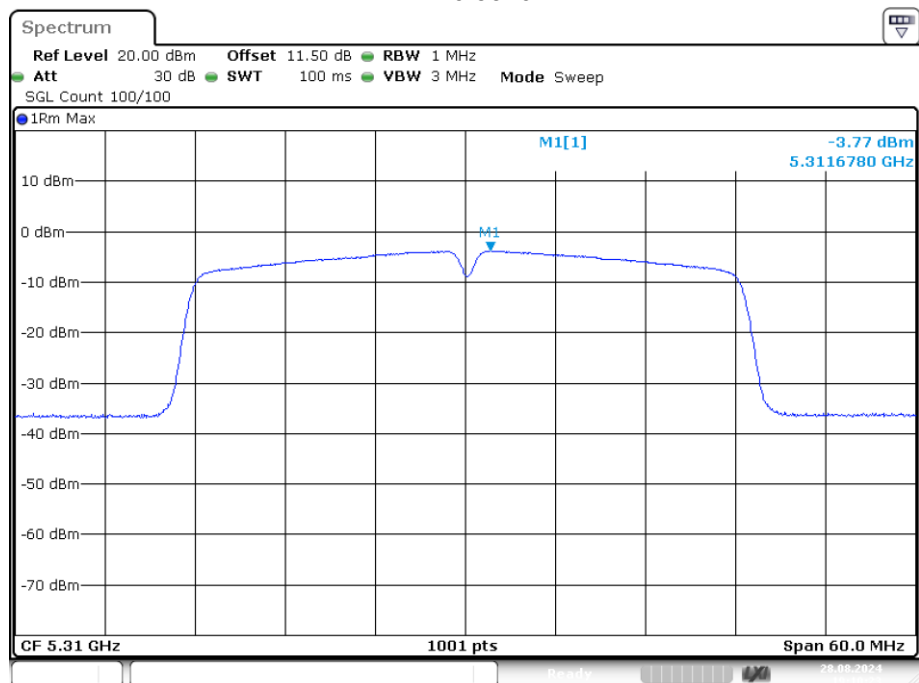


Date: 28.AUG.2024 18:13:03

PSD NVNT n40 5270MHz Ant2



PSD NVNT n40 5310MHz Ant2

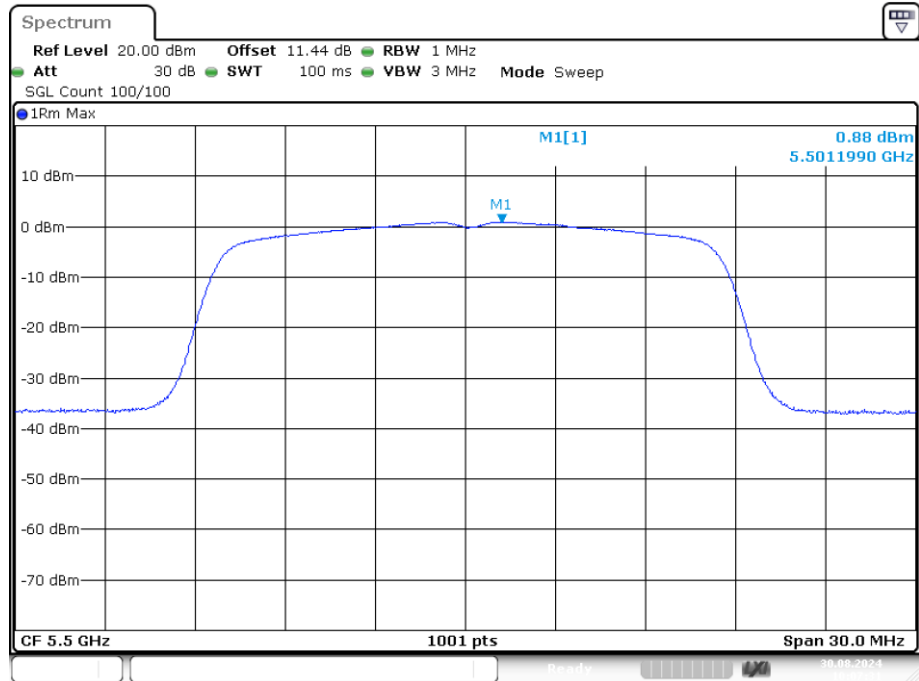


Band 3 (5470 -5725 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	0.876	11	Pass
NVNT	a	5580	Ant1	0.079	11	Pass
NVNT	a	5700	Ant1	0.066	11	Pass
NVNT	ac20	5500	Ant1	-1.671	11	Pass
NVNT	ac20	5580	Ant1	-1.438	11	Pass
NVNT	ac20	5700	Ant1	-1.568	11	Pass
NVNT	ac40	5510	Ant1	-6.106	11	Pass
NVNT	ac40	5670	Ant1	-5.168	11	Pass
NVNT	ac80	5530	Ant1	-9.078	11	Pass
NVNT	ax20	5500	Ant1	-6.042	11	Pass
NVNT	ax20	5580	Ant1	-6.342	11	Pass
NVNT	ax20	5700	Ant1	-5.583	11	Pass
NVNT	ax40	5510	Ant1	-9.283	11	Pass
NVNT	ax40	5670	Ant1	-8.161	11	Pass
NVNT	ax80	5530	Ant1	-11.291	11	Pass
NVNT	n20	5500	Ant1	-0.101	11	Pass
NVNT	n20	5580	Ant1	-0.27	11	Pass
NVNT	n20	5700	Ant1	-0.496	11	Pass
NVNT	n40	5510	Ant1	-3.945	11	Pass
NVNT	n40	5670	Ant1	-3.107	11	Pass

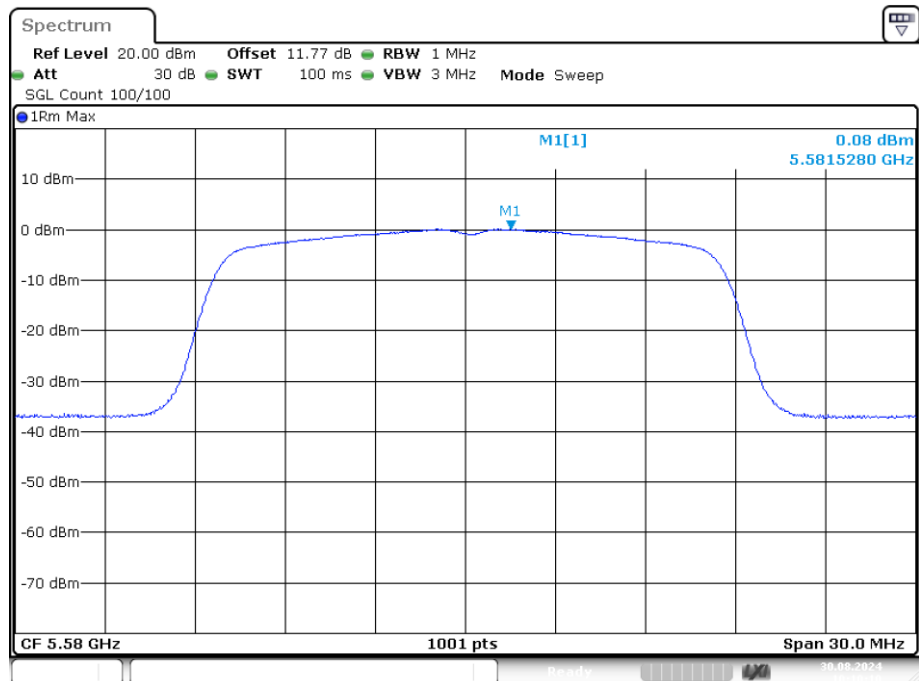
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant2	0.217	11	Pass
NVNT	a	5580	Ant2	-0.23	11	Pass
NVNT	a	5700	Ant2	-0.172	11	Pass
NVNT	ac20	5500	Ant2	-2.421	11	Pass
NVNT	ac20	5580	Ant2	-2.294	11	Pass
NVNT	ac20	5700	Ant2	-1.918	11	Pass
NVNT	ac40	5510	Ant2	-6.053	11	Pass
NVNT	ac40	5670	Ant2	-5.748	11	Pass
NVNT	ac80	5530	Ant2	-8.539	11	Pass
NVNT	ax20	5500	Ant2	-6.921	11	Pass
NVNT	ax20	5580	Ant2	-7.374	11	Pass
NVNT	ax20	5700	Ant2	-7.317	11	Pass
NVNT	ax40	5510	Ant2	-8.068	11	Pass
NVNT	ax40	5670	Ant2	-7.944	11	Pass
NVNT	ax80	5530	Ant2	-10.623	11	Pass
NVNT	n20	5500	Ant2	-0.057	11	Pass
NVNT	n20	5580	Ant2	-1.804	11	Pass
NVNT	n20	5700	Ant2	-0.155	11	Pass
NVNT	n40	5510	Ant2	-3.199	11	Pass
NVNT	n40	5670	Ant2	-4.991	11	Pass

PSD NVNT a 5500MHz Ant1



Date: 30.AUG.2024 10:07:31

PSD NVNT a 5580MHz Ant1



Date: 30.AUG.2024 10:10:10

PSD NVNT a 5700MHz Ant1



Spectrum

Ref Level 20.00 dBm Offset 11.44 dB RBW 1 MHz
 Att 30 dB SWT 100 ms VBW 3 MHz Mode Sweep

SGL Count 100/100

● 1Rm Max

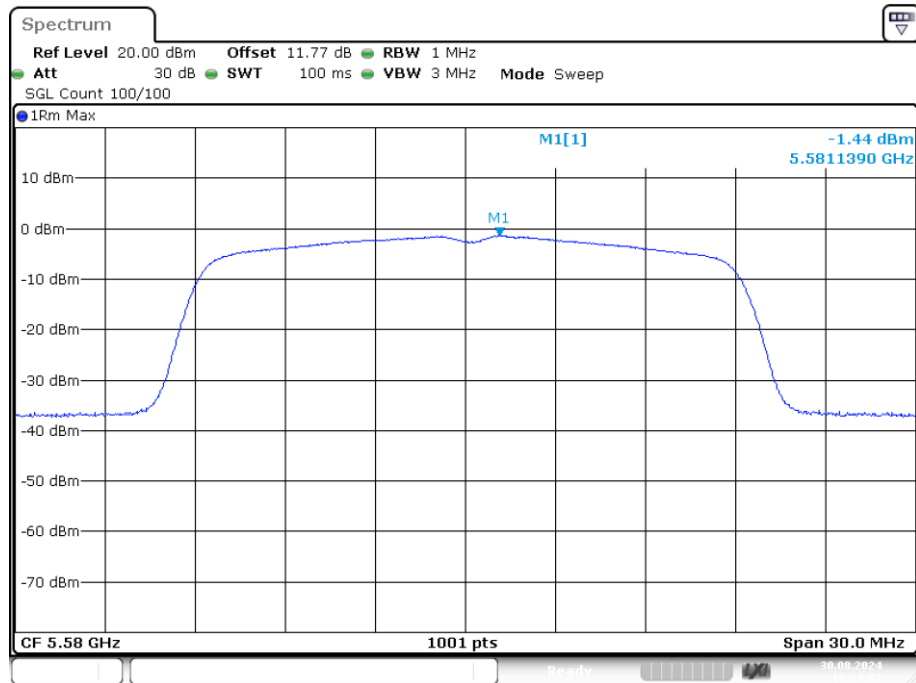
M1[1] -1.67 dBm
 5.5012290 GHz

10 dBm
 0 dBm
 -10 dBm
 -20 dBm
 -30 dBm
 -40 dBm
 -50 dBm
 -60 dBm
 -70 dBm

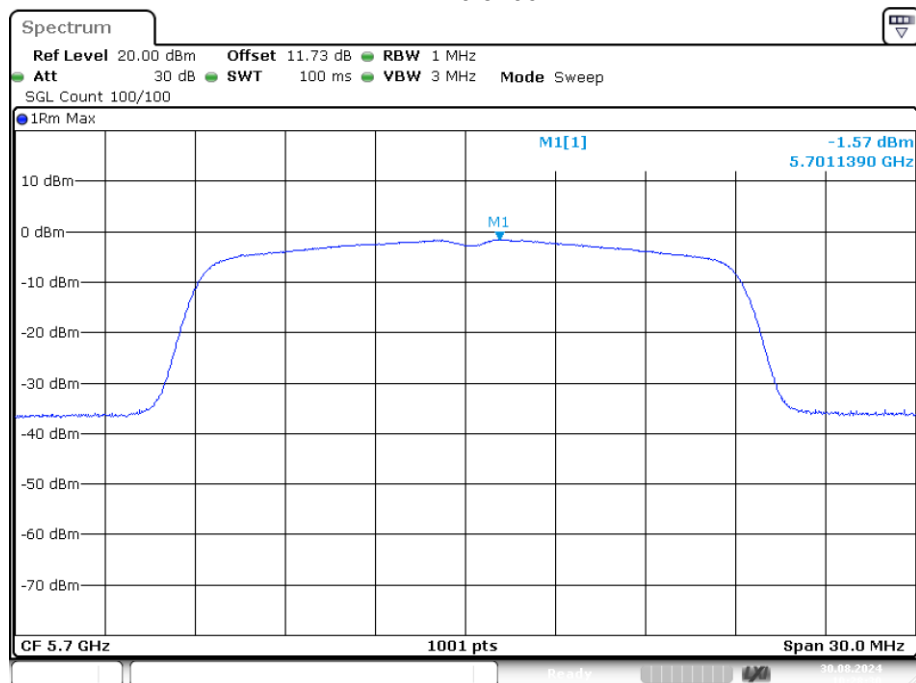
CF 5.5 GHz 1001 pts Span 30.0 MHz

Date: 30.AUG.2024 10:22:11

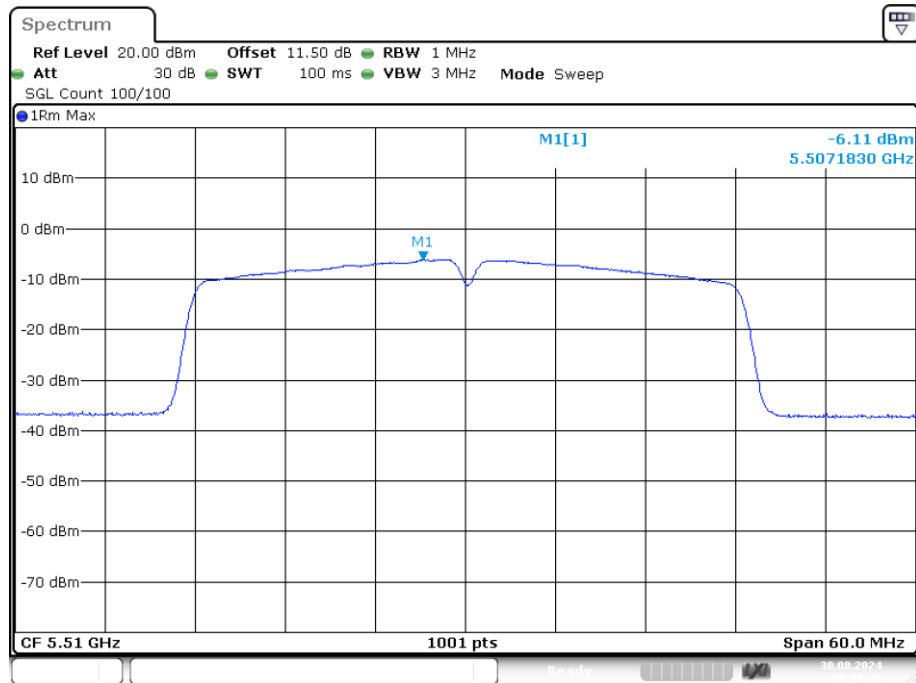
PSD NVNT ac20 5580MHz Ant1



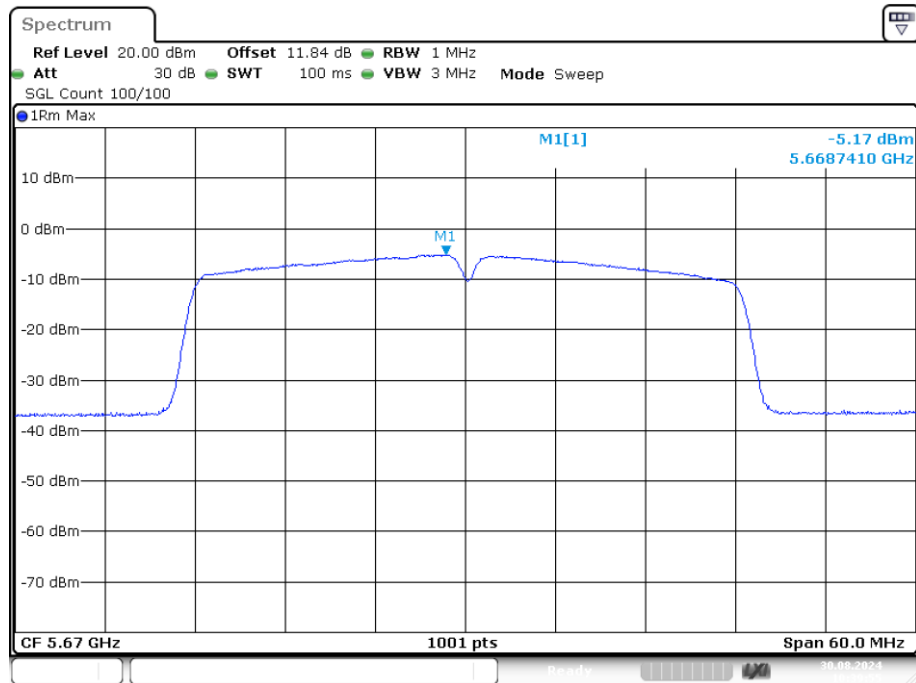
PSD NVNT ac20 5700MHz Ant1



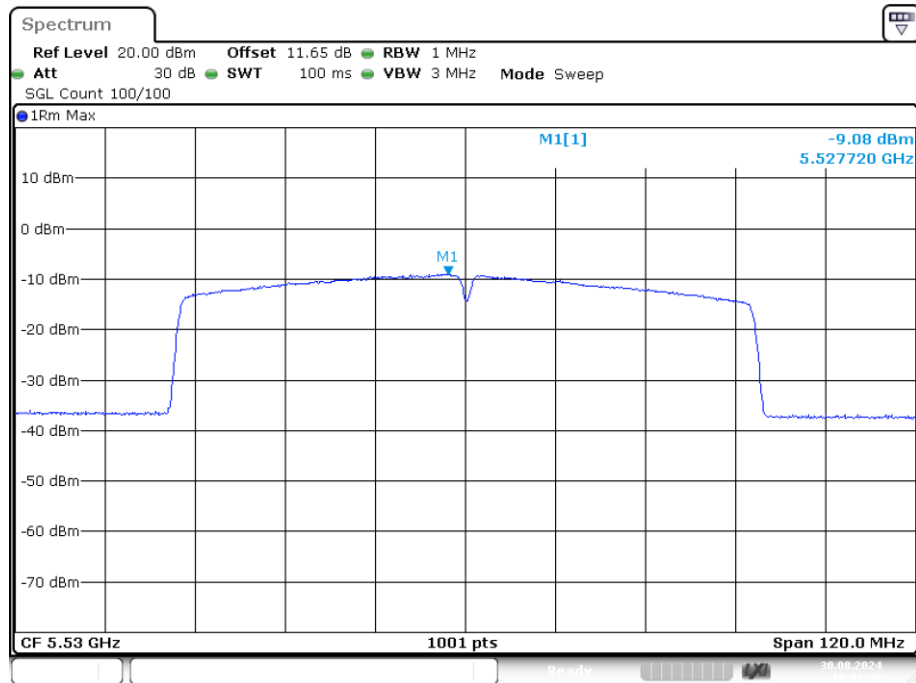
PSD NVNT ac40 5510MHz Ant1



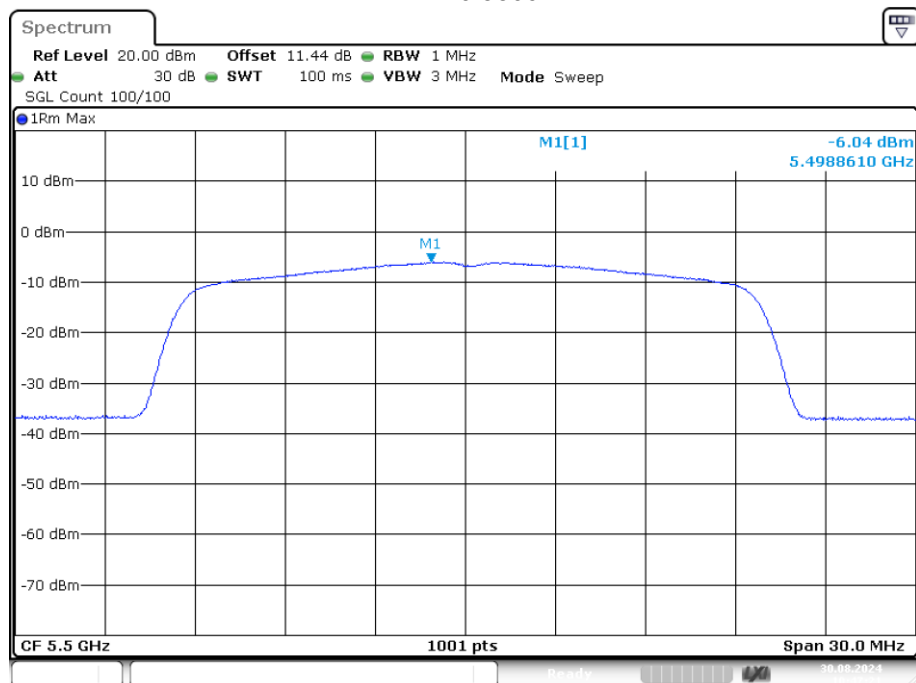
PSD NVNT ac40 5670MHz Ant1



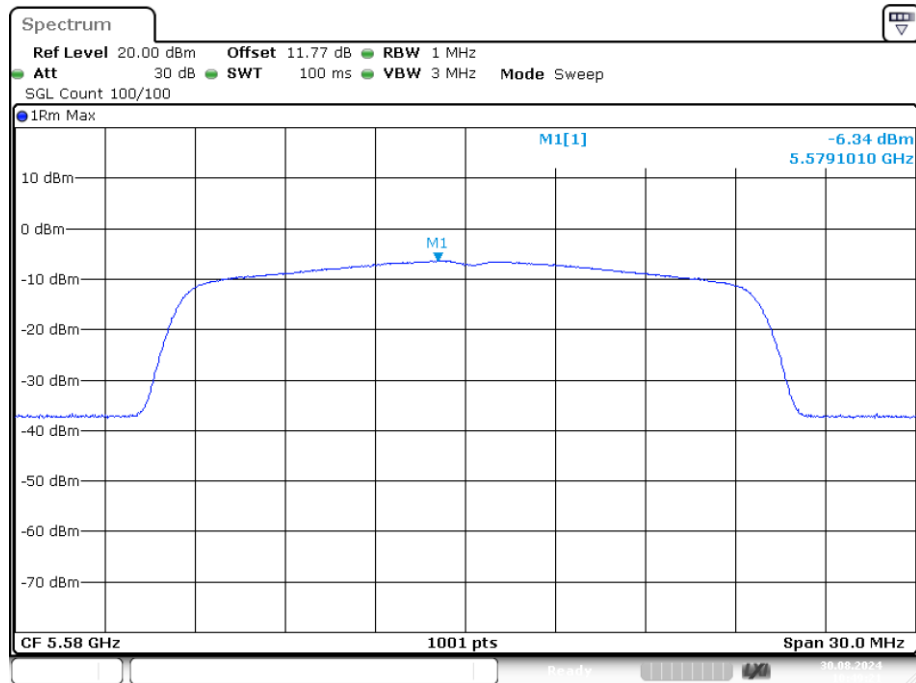
PSD NVNT ac80 5530MHz Ant1



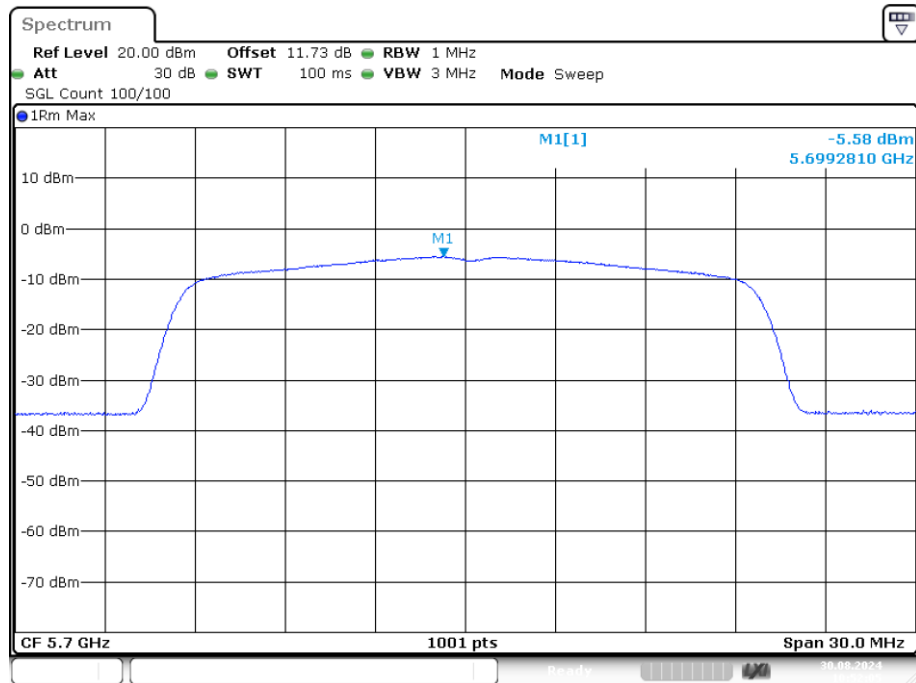
PSD NVNT ax20 5500MHz Ant1



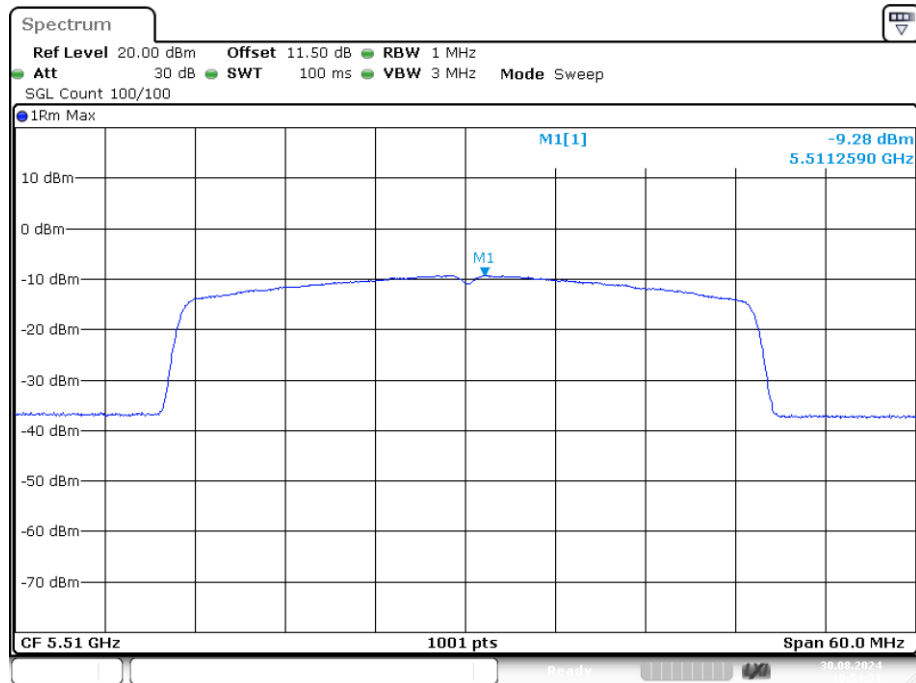
PSD NVNT ax20 5580MHz Ant1



PSD NVNT ax20 5700MHz Ant1

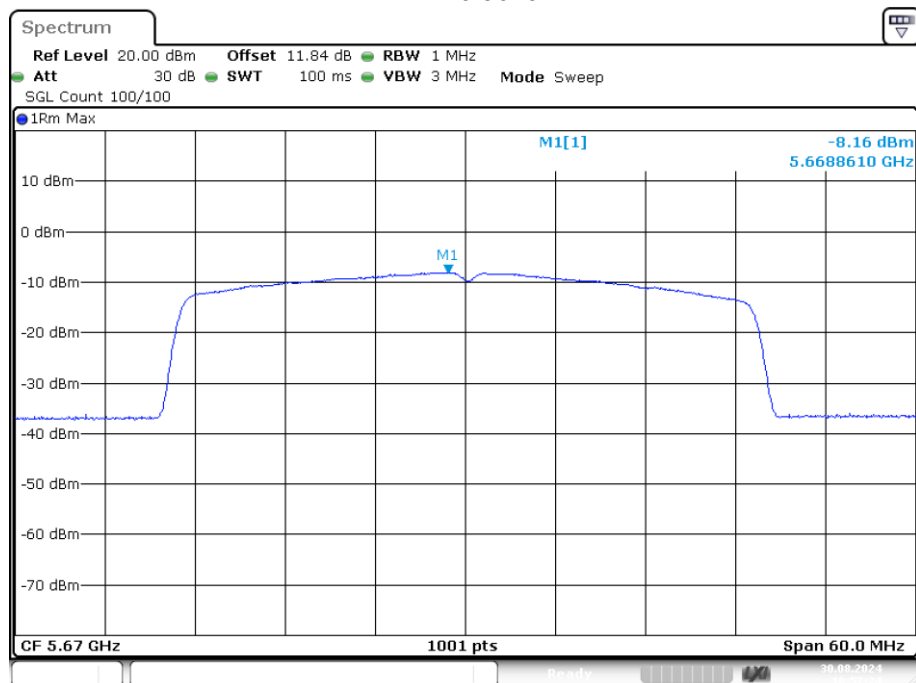


PSD NVNT ax40 5510MHz Ant1



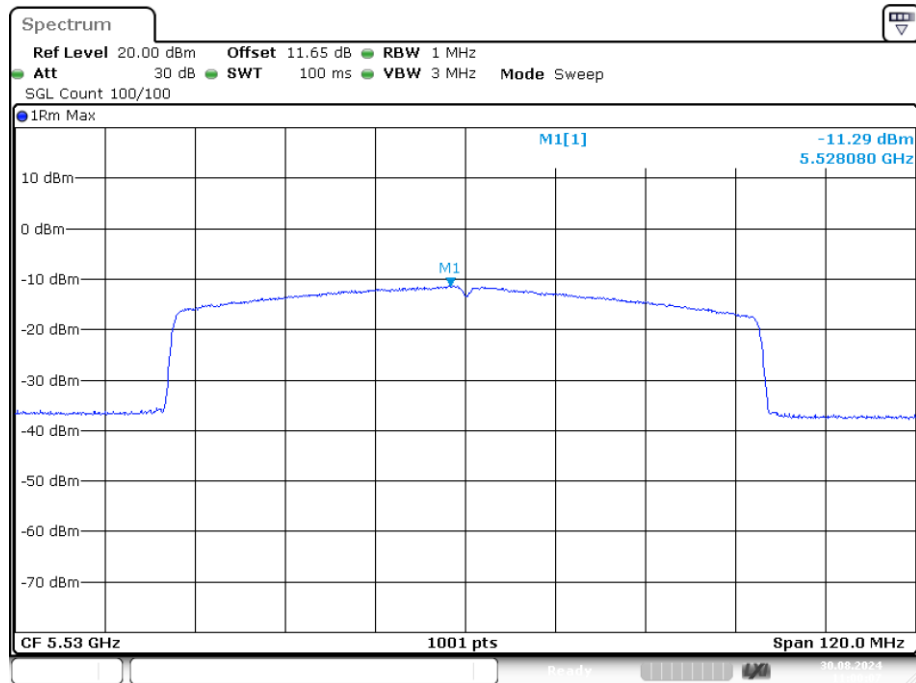
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PSD NVNT ax40 5670MHz Ant1

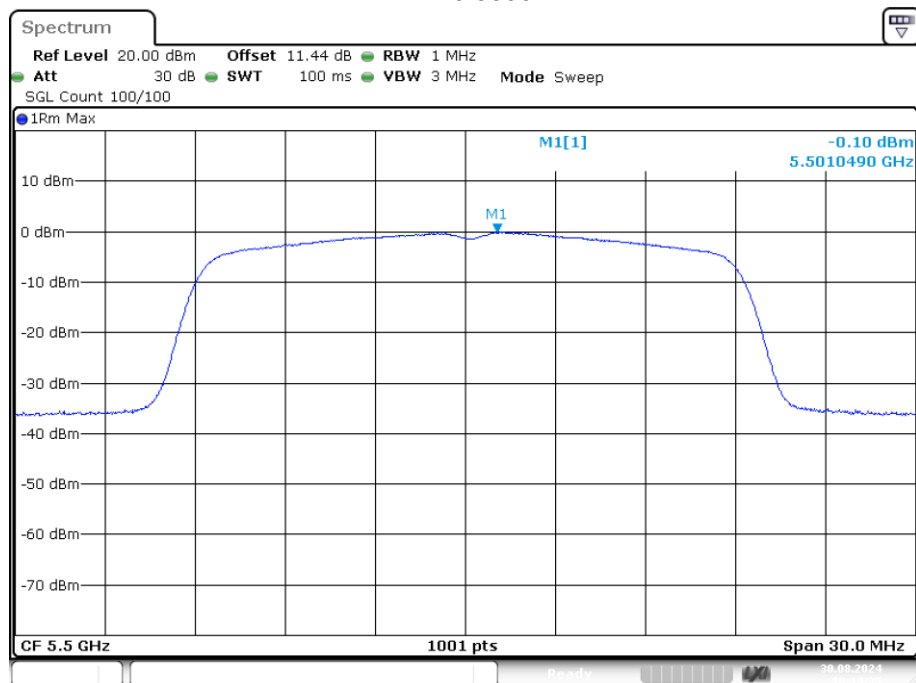


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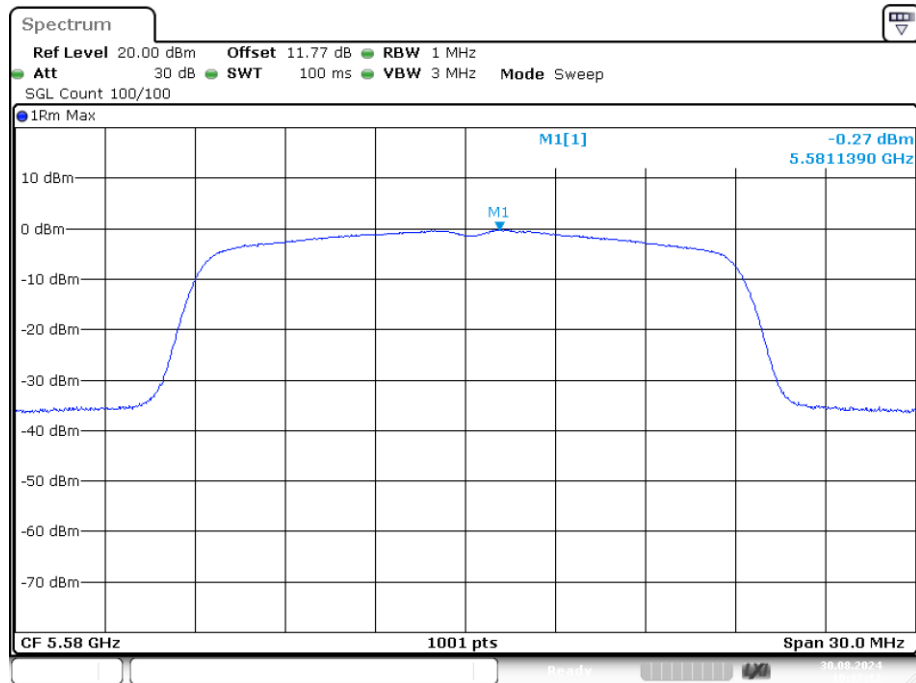
PSD NVNT ax80 5530MHz Ant1



PSD NVNT n20 5500MHz Ant1

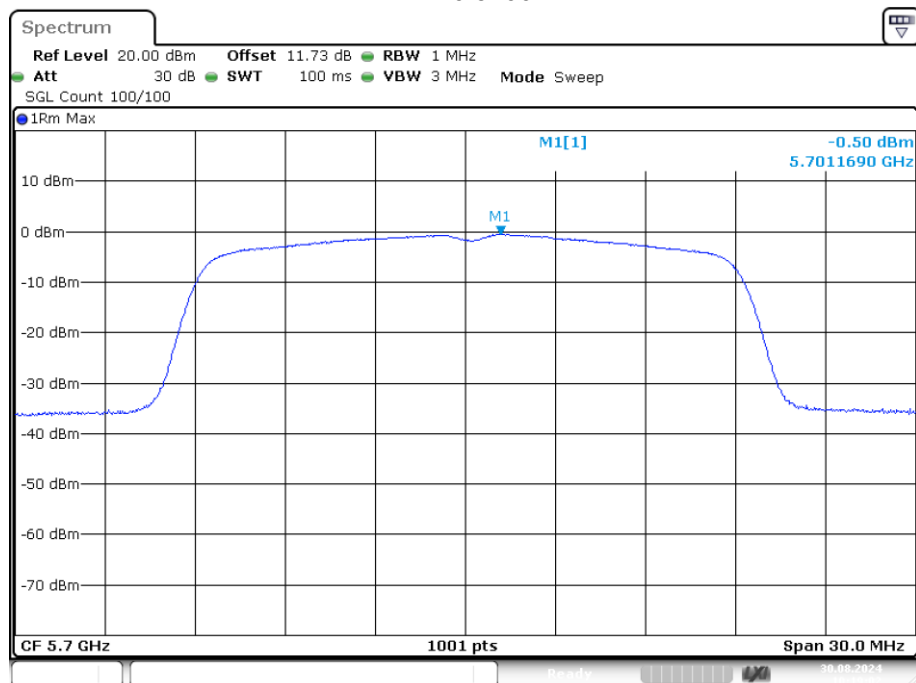


PSD NVNT n20 5580MHz Ant1



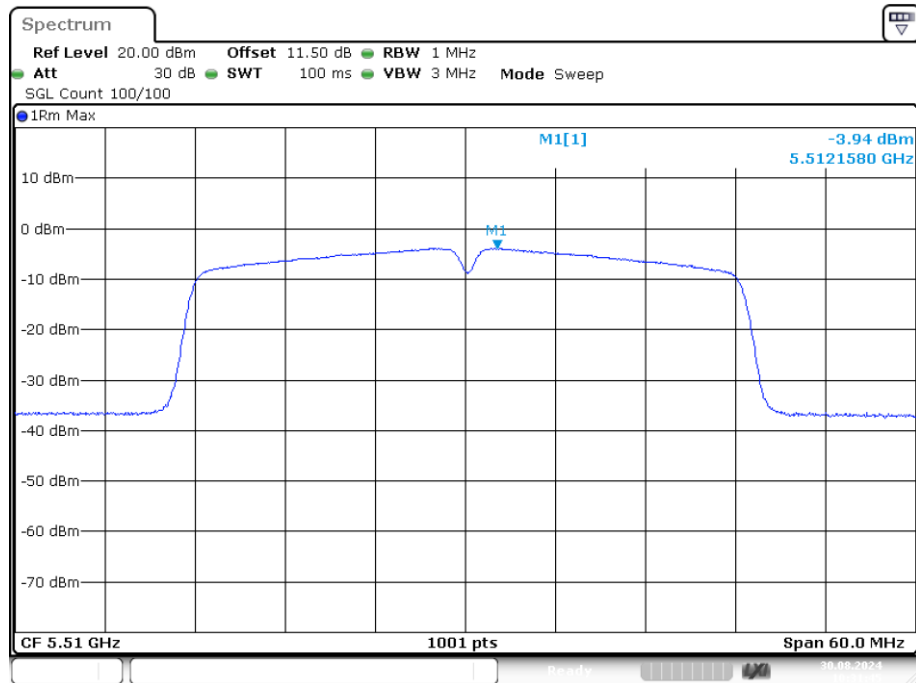
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PSD NVNT n20 5700MHz Ant1

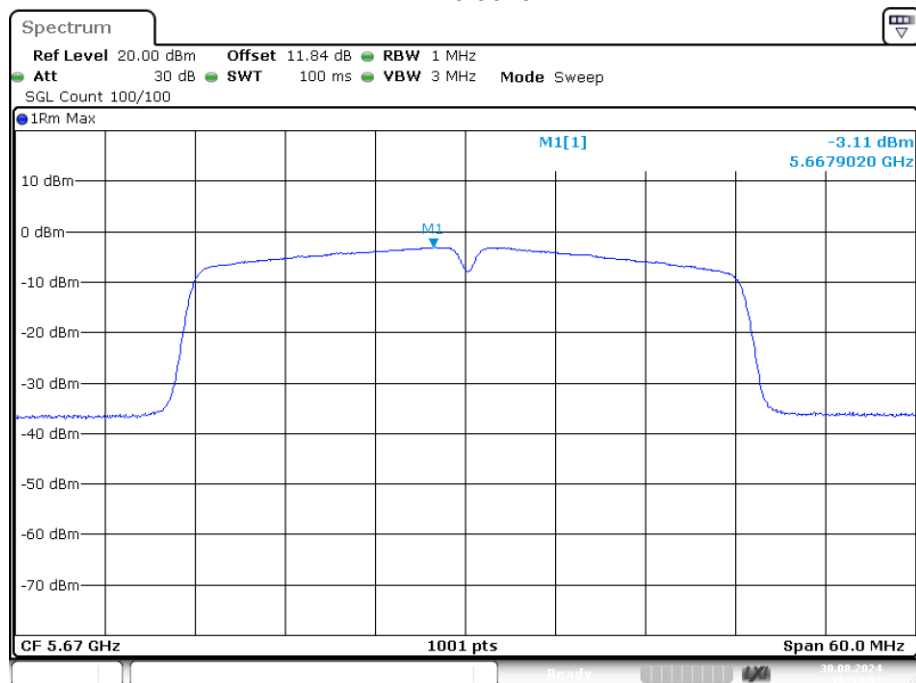


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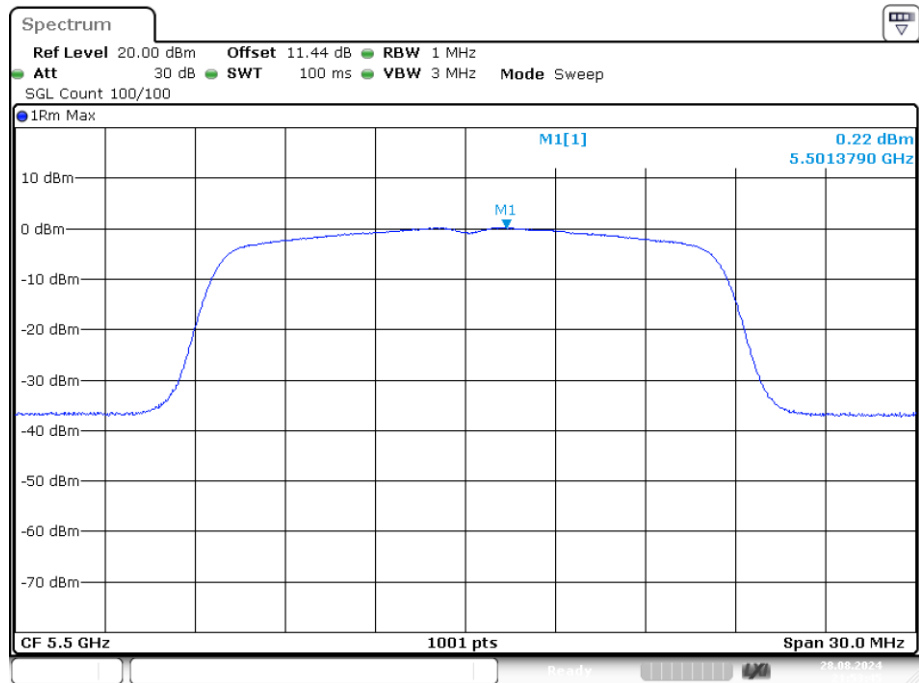
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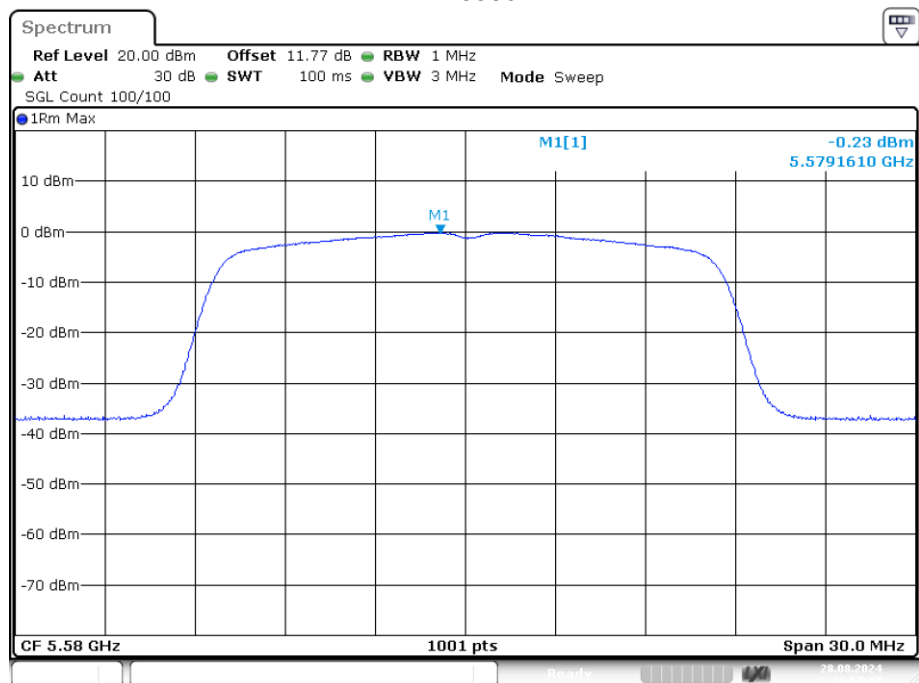
PSD NVNT n40 5670MHz Ant1



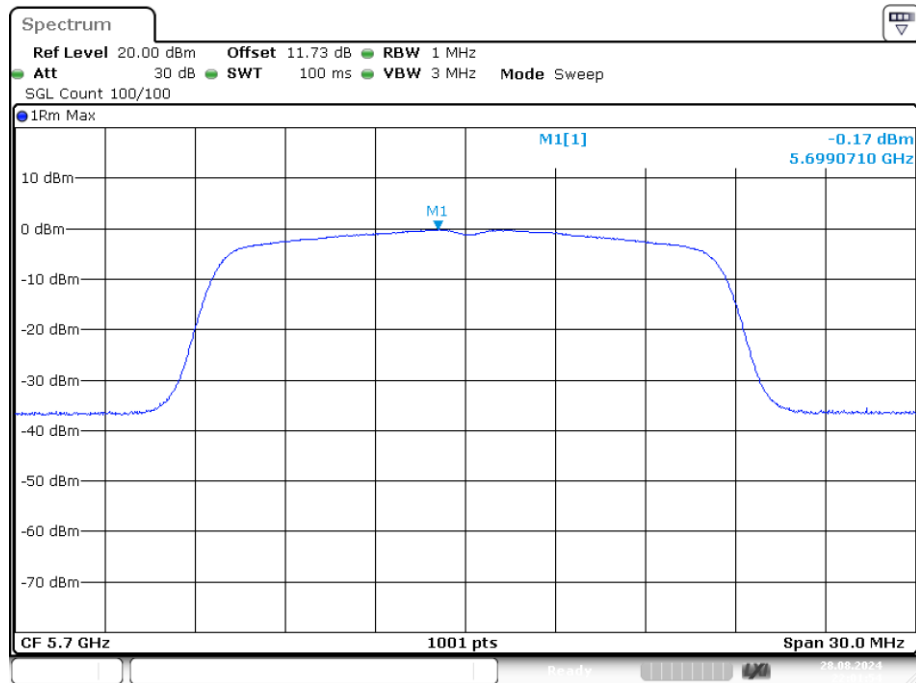
PSD NVNT a 5500MHz Ant2



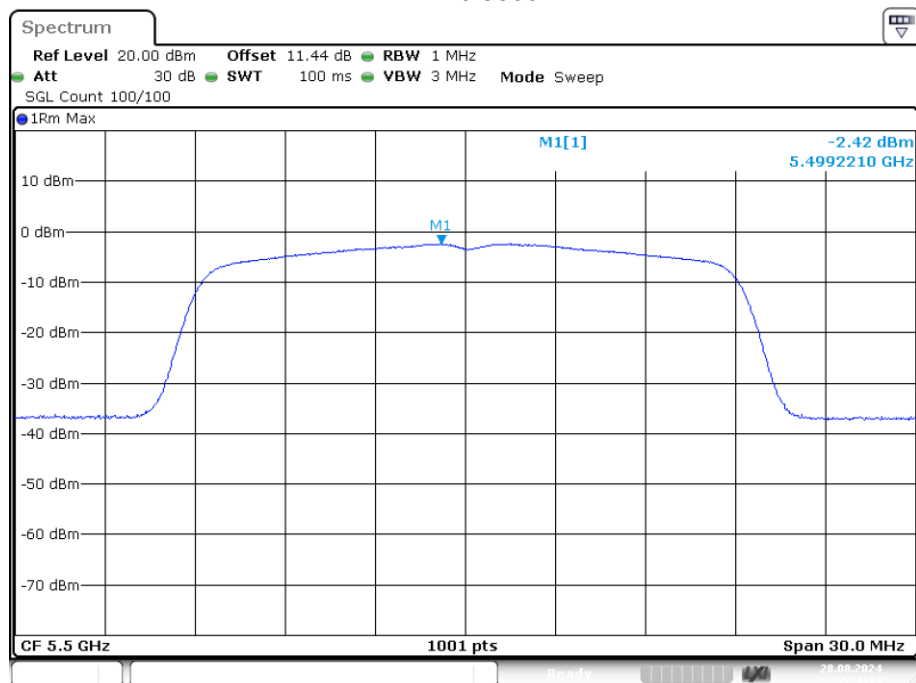
PSD NVNT a 5580MHz Ant2



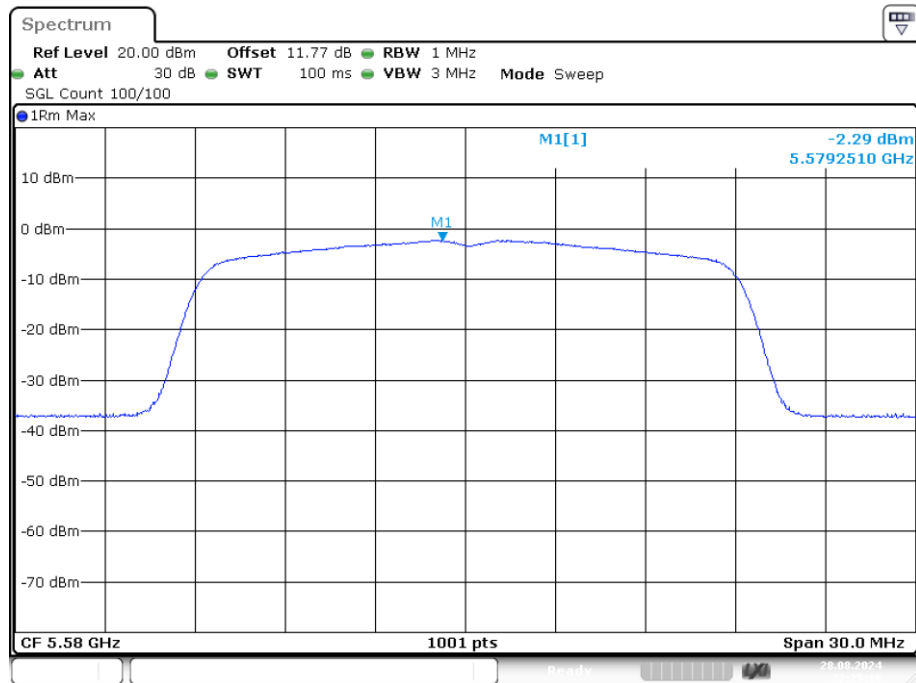
PSD NVNT a 5700MHz Ant2



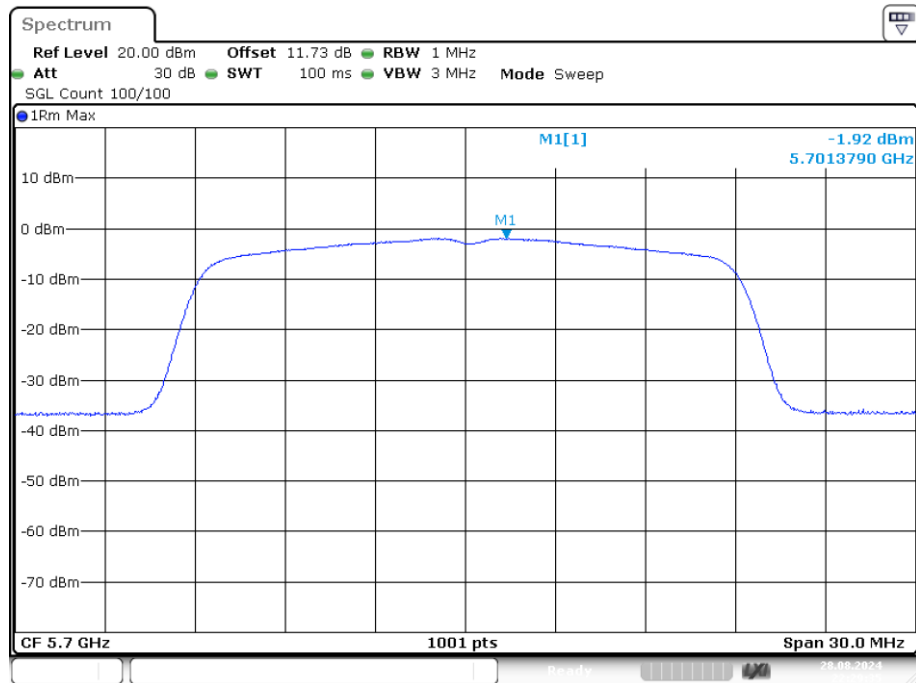
PSD NVNT ac20 5500MHz Ant2



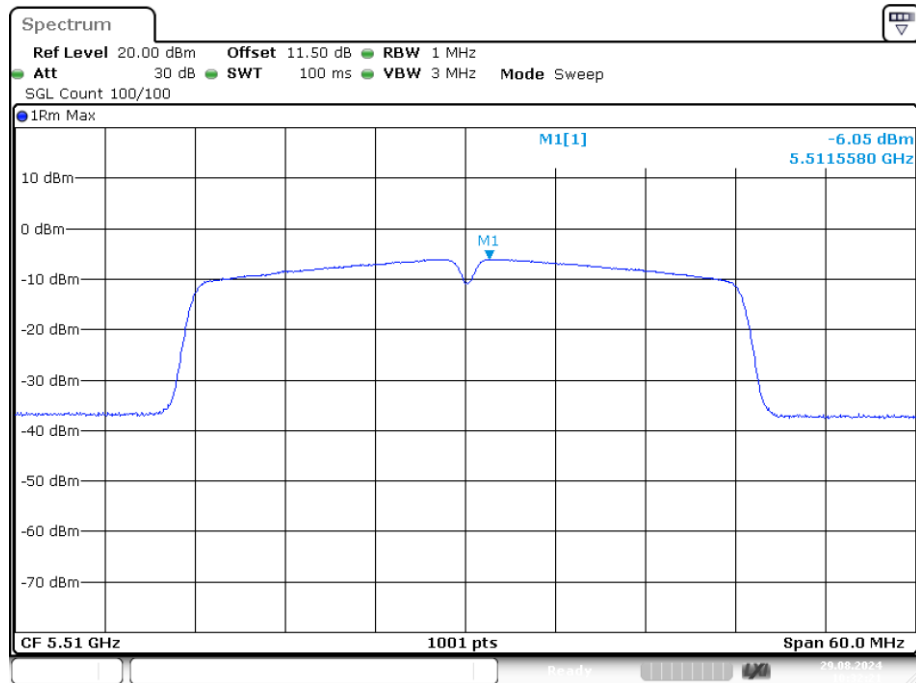
PSD NVNT ac20 5580MHz Ant2



PSD NVNT ac20 5700MHz Ant2

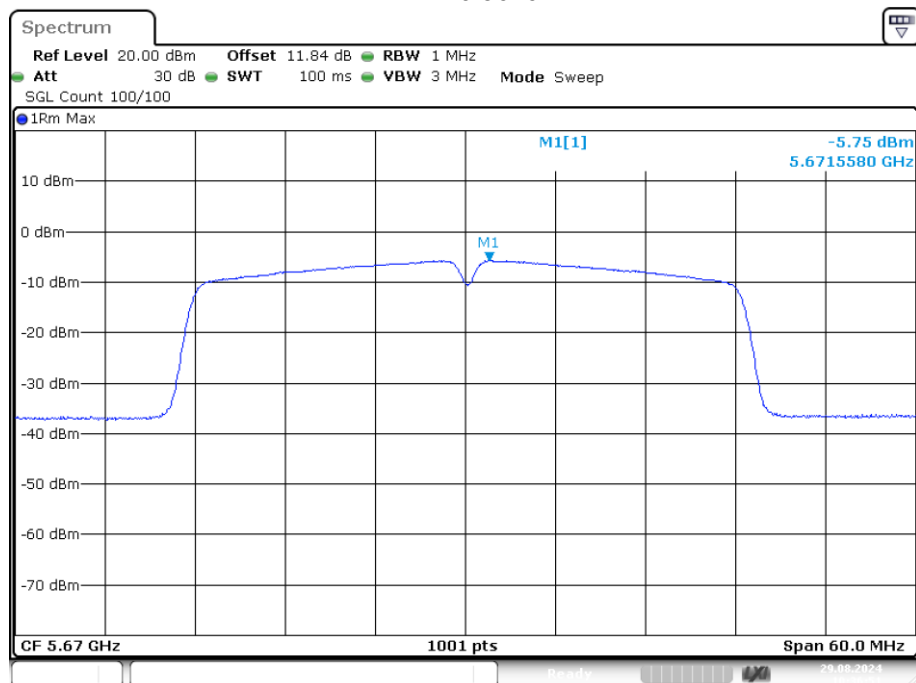


PSD NVNT ac40 5510MHz Ant2



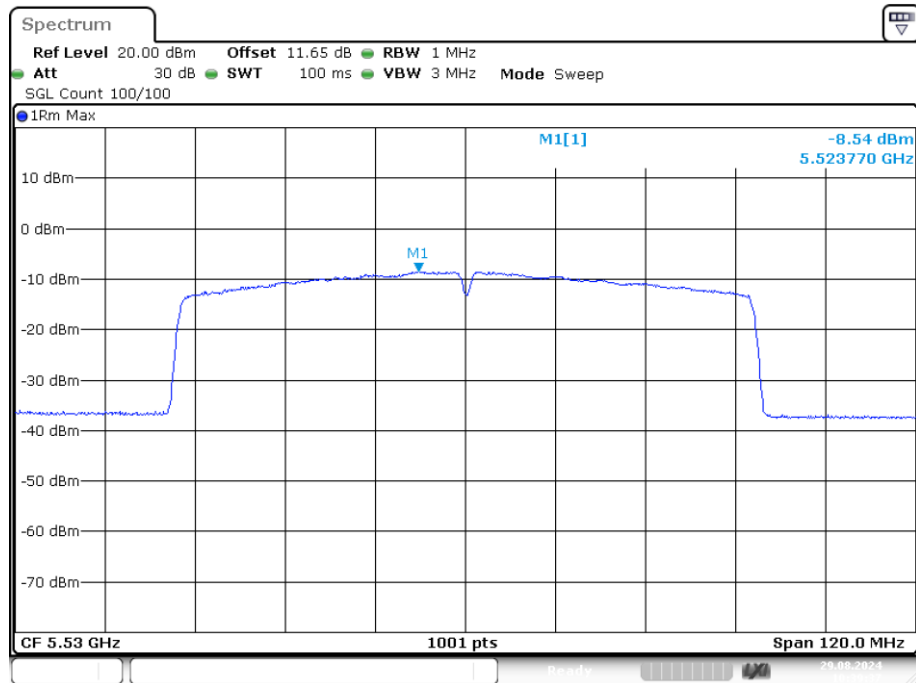
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PSD NVNT ac40 5670MHz Ant2

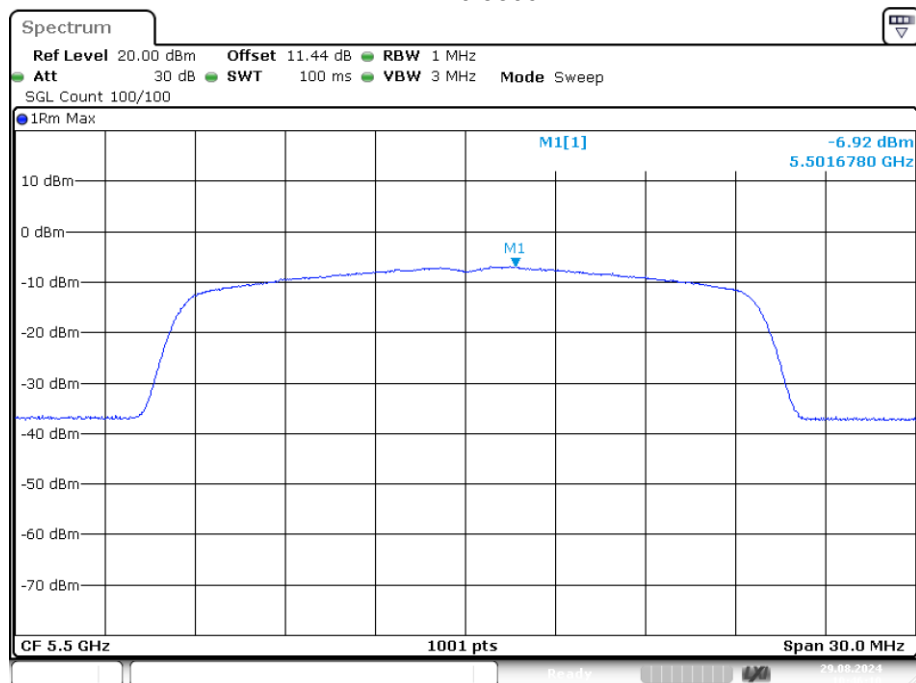


Date: 29.AUG.2024 10:36:51

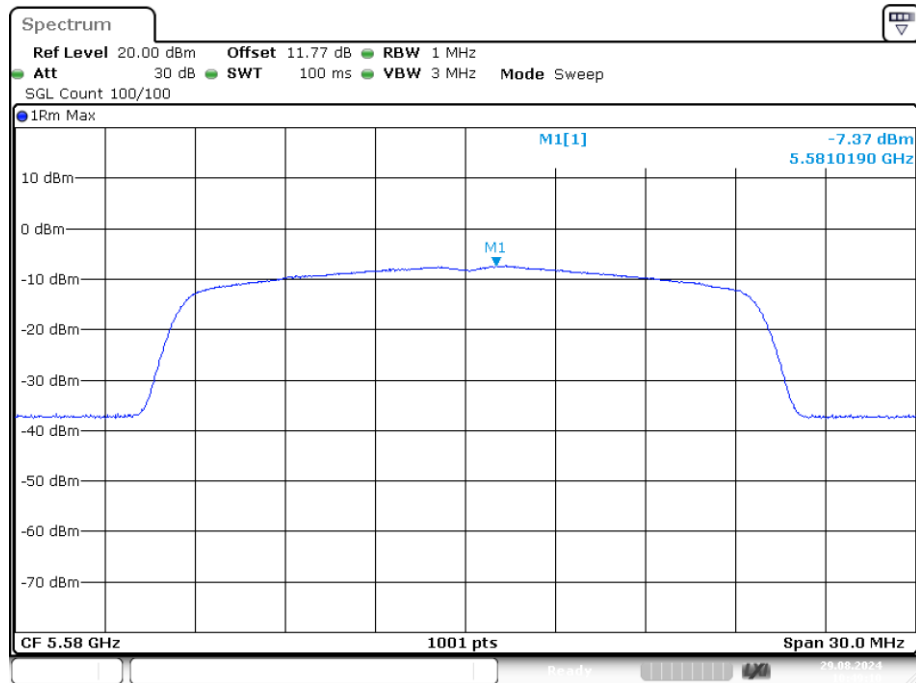
PSD NVNT ac80 5530MHz Ant2



PSD NVNT ax20 5500MHz Ant2

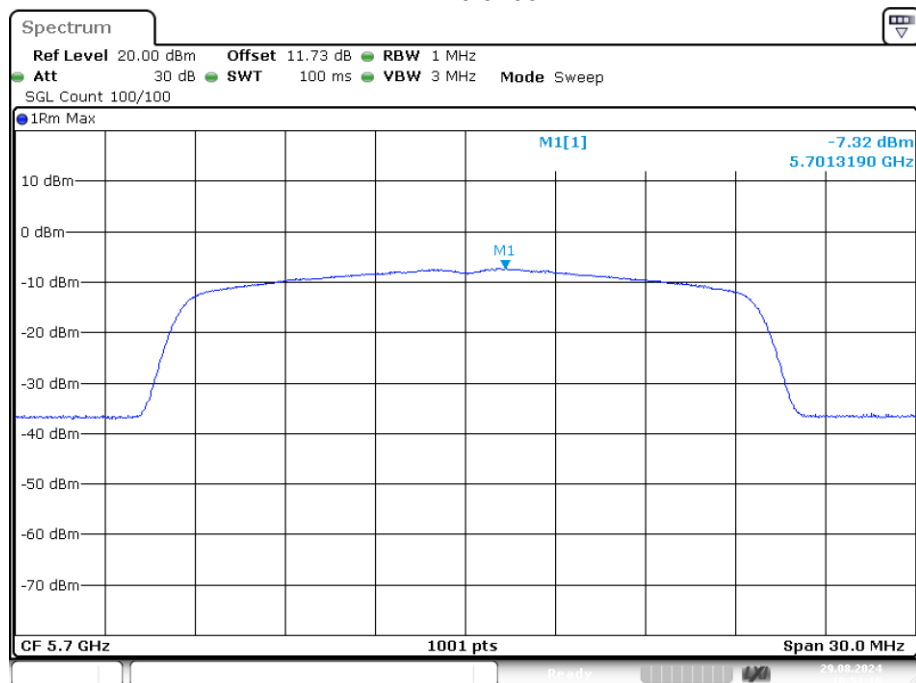


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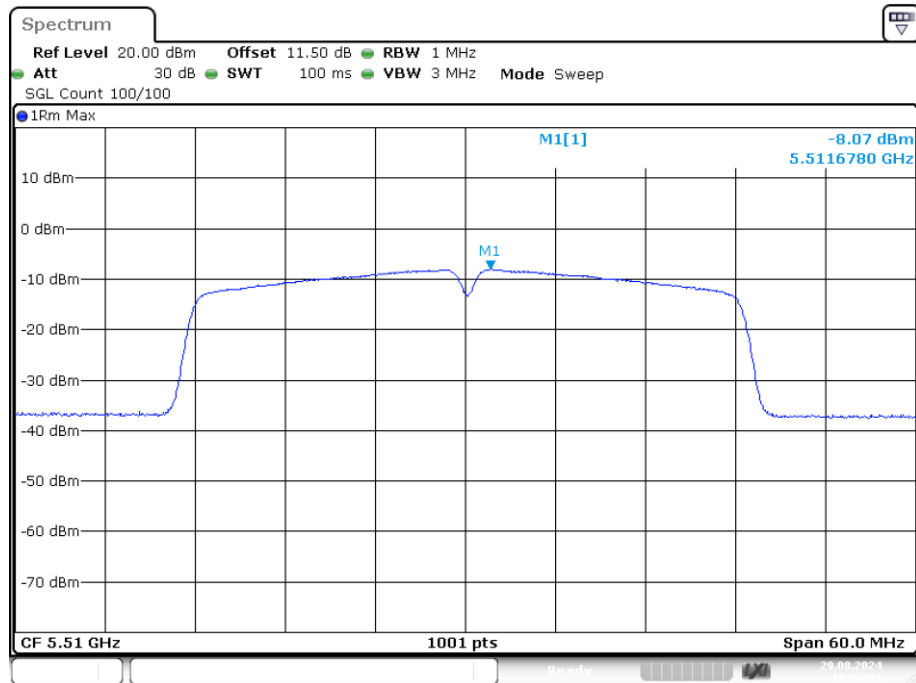
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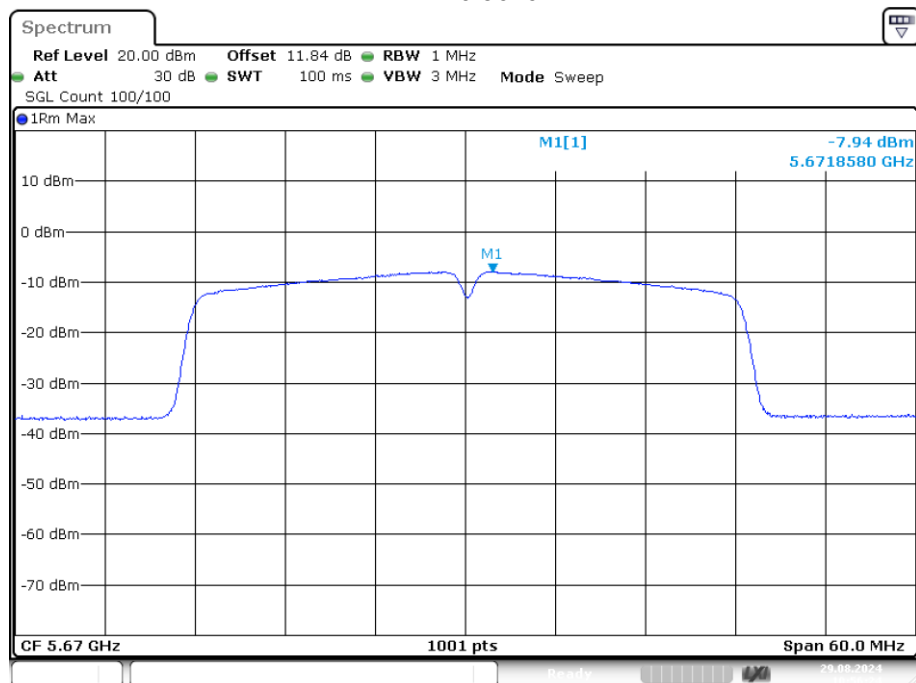


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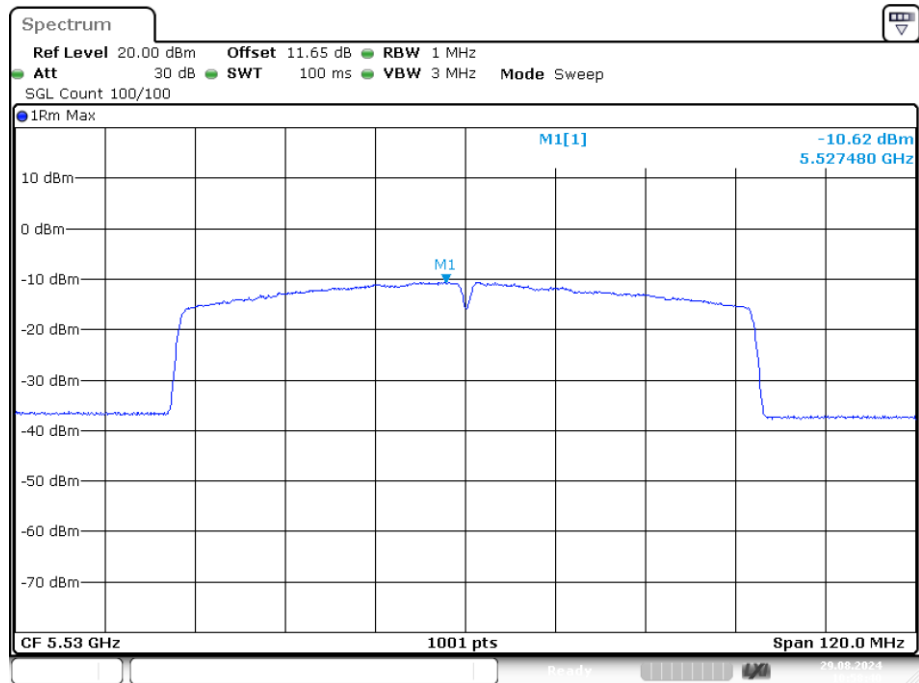
PSD NVNT ax40 5510MHz Ant2



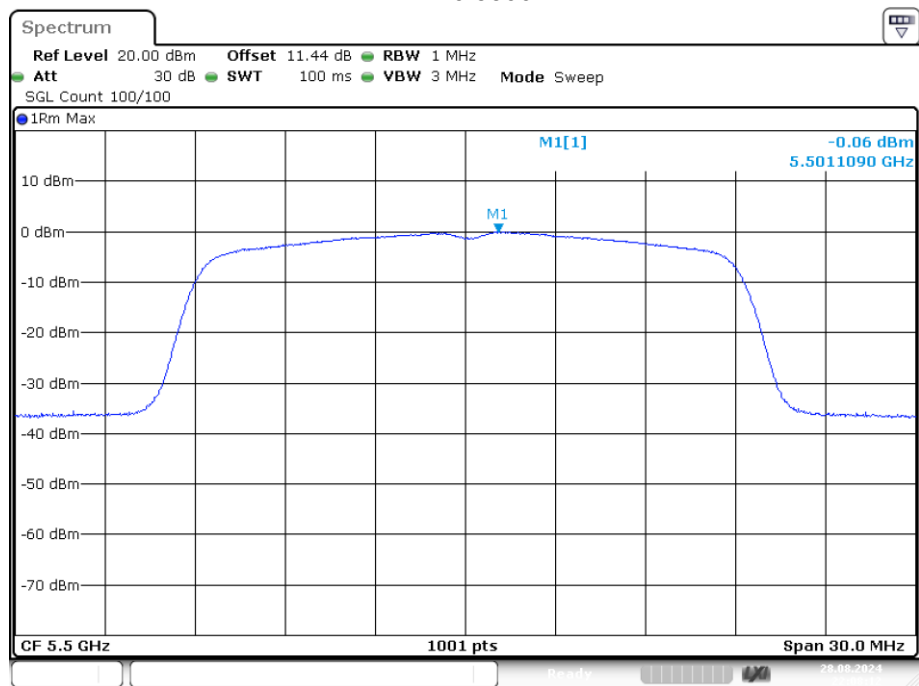
PSD NVNT ax40 5670MHz Ant2



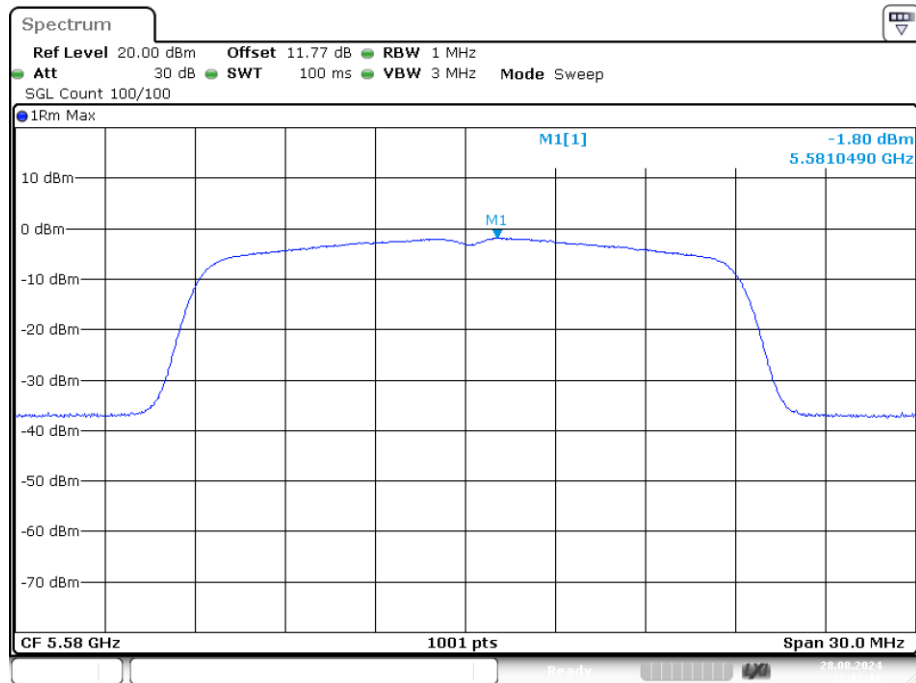
PSD NVNT ax80 5530MHz Ant2



PSD NVNT n20 5500MHz Ant2

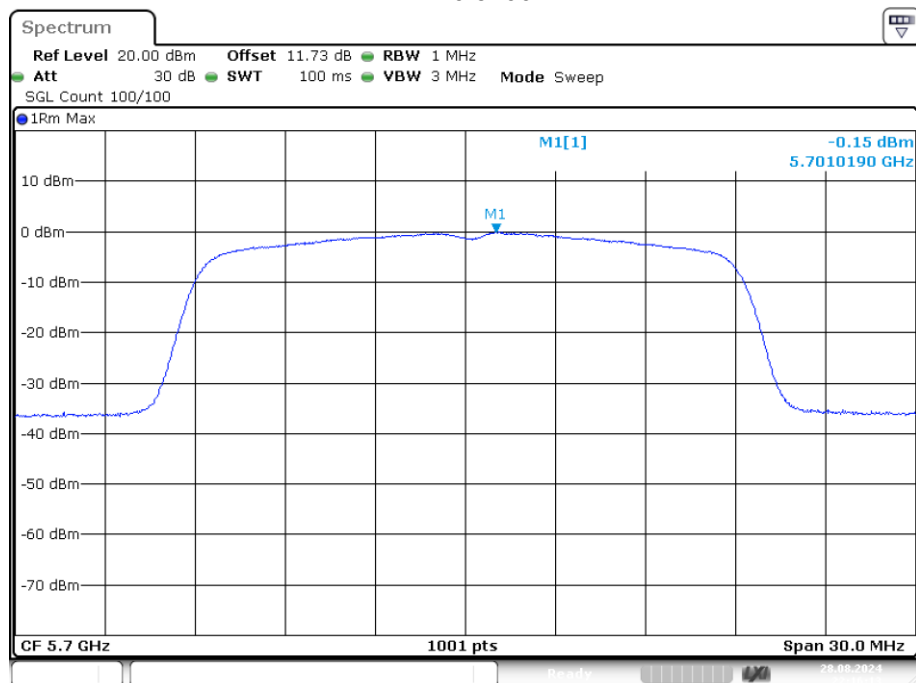


PSD NVNT n20 5580MHz Ant2



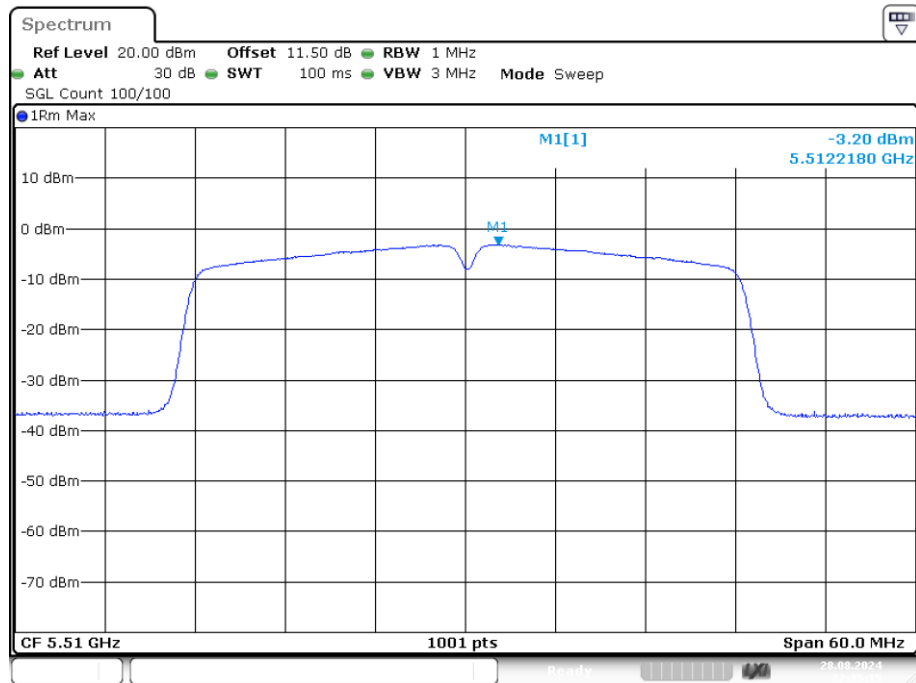
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PSD NVNT n20 5700MHz Ant2

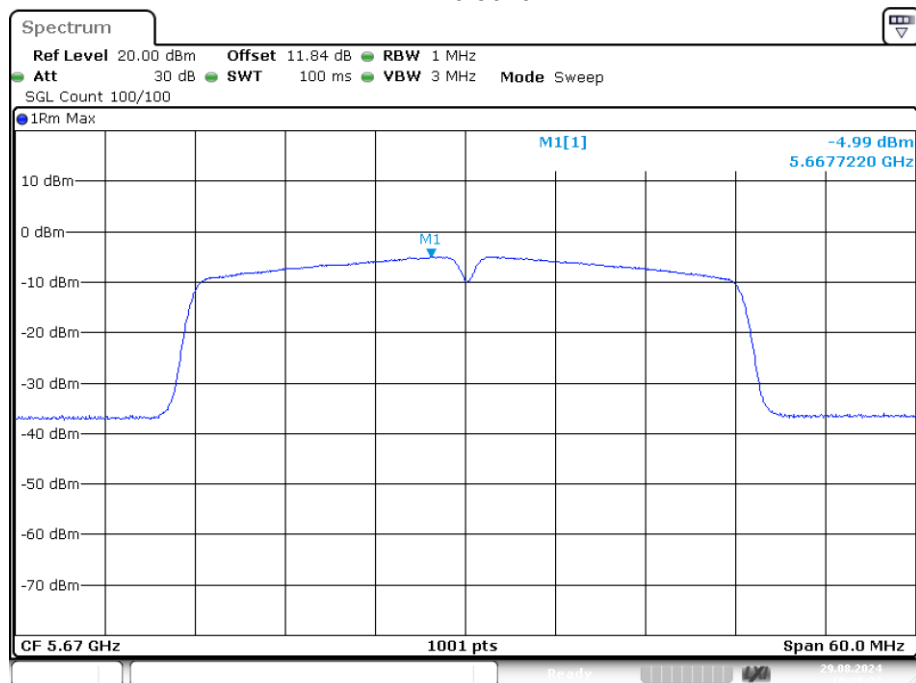


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PSD NVNT n40 5510MHz Ant2



PSD NVNT n40 5670MHz Ant2

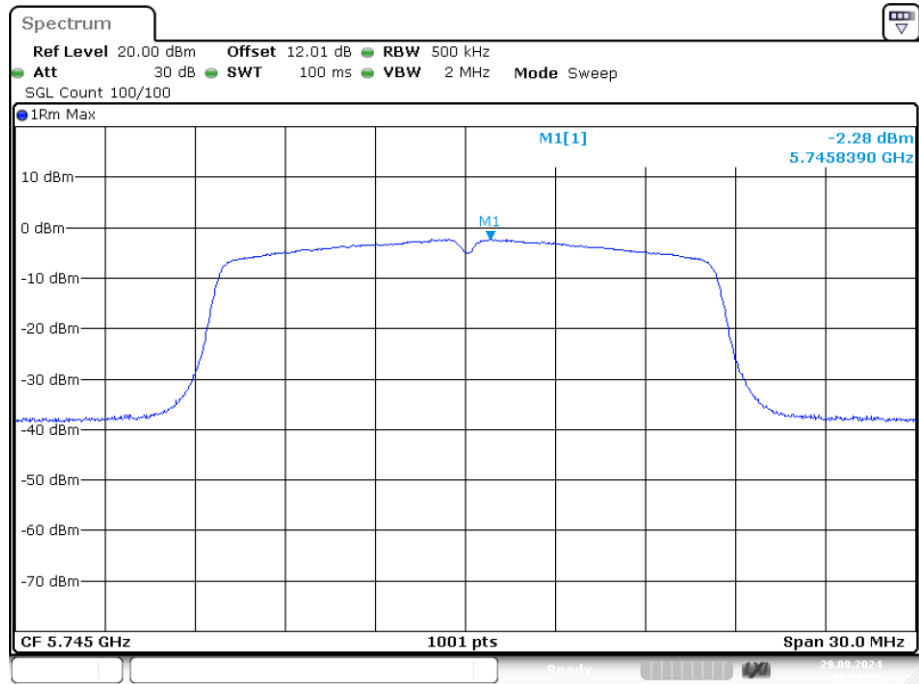


Band 4 (5725 – 5850 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-2.28	30	Pass
NVNT	a	5785	Ant1	-1.91	30	Pass
NVNT	a	5825	Ant1	-2	30	Pass
NVNT	ac20	5745	Ant1	-4.648	30	Pass
NVNT	ac20	5785	Ant1	-3.964	30	Pass
NVNT	ac20	5825	Ant1	-4.243	30	Pass
NVNT	ac40	5755	Ant1	-8.625	30	Pass
NVNT	ac40	5795	Ant1	-8.943	30	Pass
NVNT	ac80	5775	Ant1	-11.002	30	Pass
NVNT	ax20	5745	Ant1	-9.082	30	Pass
NVNT	ax20	5785	Ant1	-9.097	30	Pass
NVNT	ax20	5825	Ant1	-10.333	30	Pass
NVNT	ax40	5755	Ant1	-10.607	30	Pass
NVNT	ax40	5795	Ant1	-10.116	30	Pass
NVNT	ax80	5775	Ant1	-12.703	30	Pass
NVNT	n20	5745	Ant1	-3.621	30	Pass
NVNT	n20	5785	Ant1	-3.269	30	Pass
NVNT	n20	5825	Ant1	-3.213	30	Pass
NVNT	n40	5755	Ant1	-6.886	30	Pass
NVNT	n40	5795	Ant1	-6.772	30	Pass

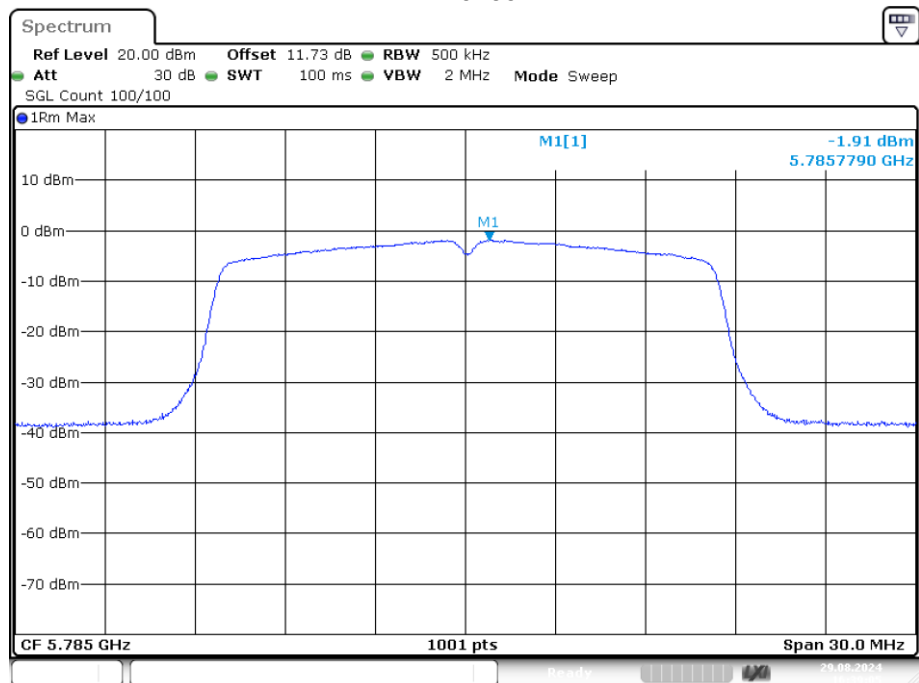
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant2	-2.781	30	Pass
NVNT	a	5785	Ant2	-3.251	30	Pass
NVNT	a	5825	Ant2	-2.853	30	Pass
NVNT	ac20	5745	Ant2	-4.313	30	Pass
NVNT	ac20	5785	Ant2	-5.421	30	Pass
NVNT	ac20	5825	Ant2	-4.194	30	Pass
NVNT	ac40	5755	Ant2	-8.774	30	Pass
NVNT	ac40	5795	Ant2	-8.541	30	Pass
NVNT	ac80	5775	Ant2	-11.795	30	Pass
NVNT	ax20	5745	Ant2	-8.583	30	Pass
NVNT	ax20	5785	Ant2	-8.281	30	Pass
NVNT	ax20	5825	Ant2	-8.07	30	Pass
NVNT	ax40	5755	Ant2	-11.677	30	Pass
NVNT	ax40	5795	Ant2	-11.185	30	Pass
NVNT	ax80	5775	Ant2	-14.451	30	Pass
NVNT	n20	5745	Ant2	-3.339	30	Pass
NVNT	n20	5785	Ant2	-3.759	30	Pass
NVNT	n20	5825	Ant2	-3.685	30	Pass
NVNT	n40	5755	Ant2	-6.569	30	Pass
NVNT	n40	5795	Ant2	-6.789	30	Pass

PSD NVNT a 5745MHz Ant1



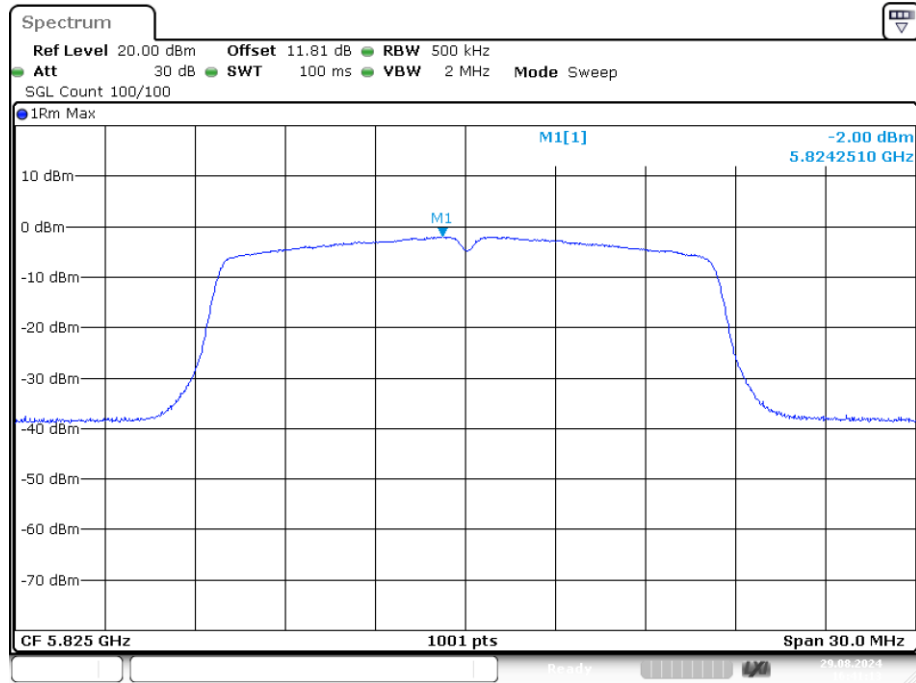
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PSD NVNT a 5785MHz Ant1



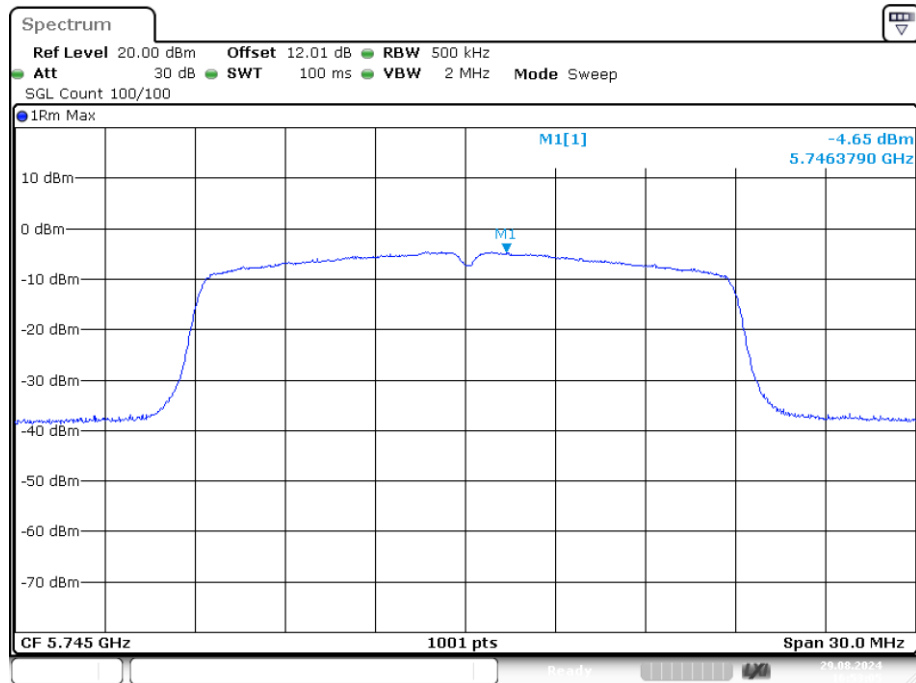
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PSD NVNT a 5825MHz Ant1



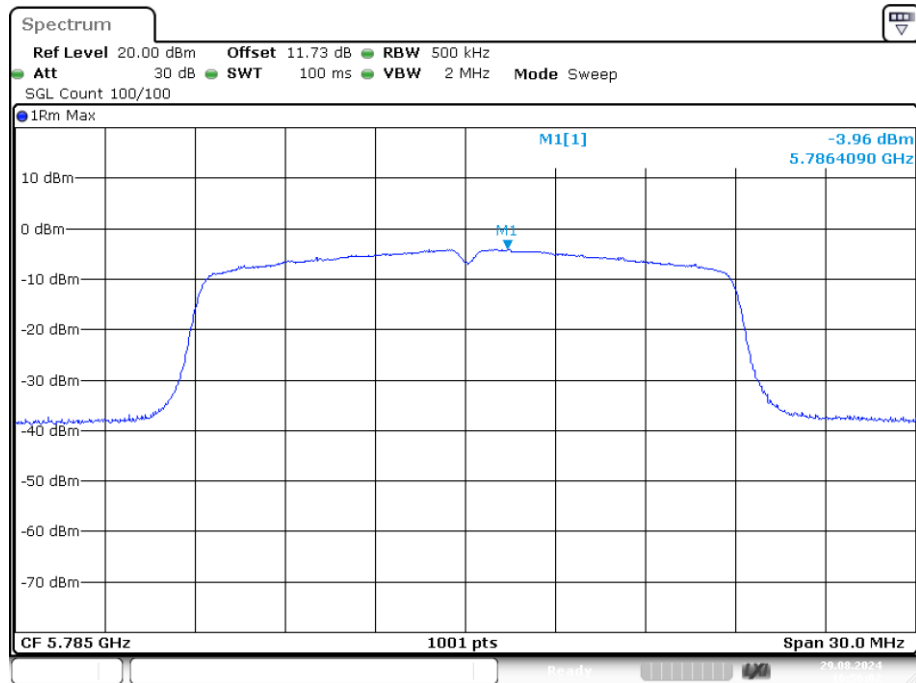
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PSD NVNT ac20 5745MHz Ant1



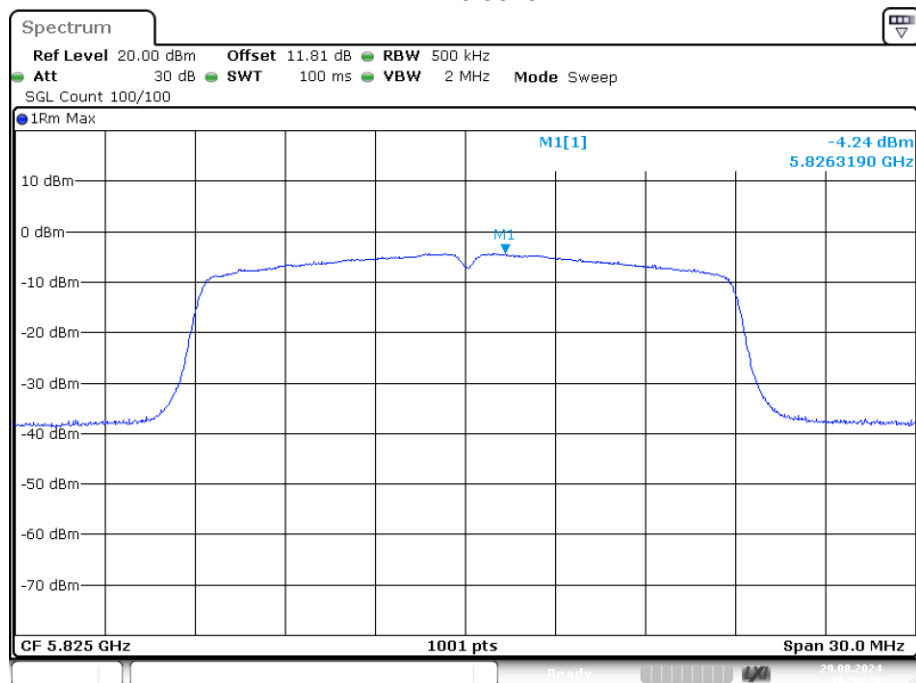
Date: 29.AUG.2024 16:53:05

PSD NVNT ac20 5785MHz Ant1



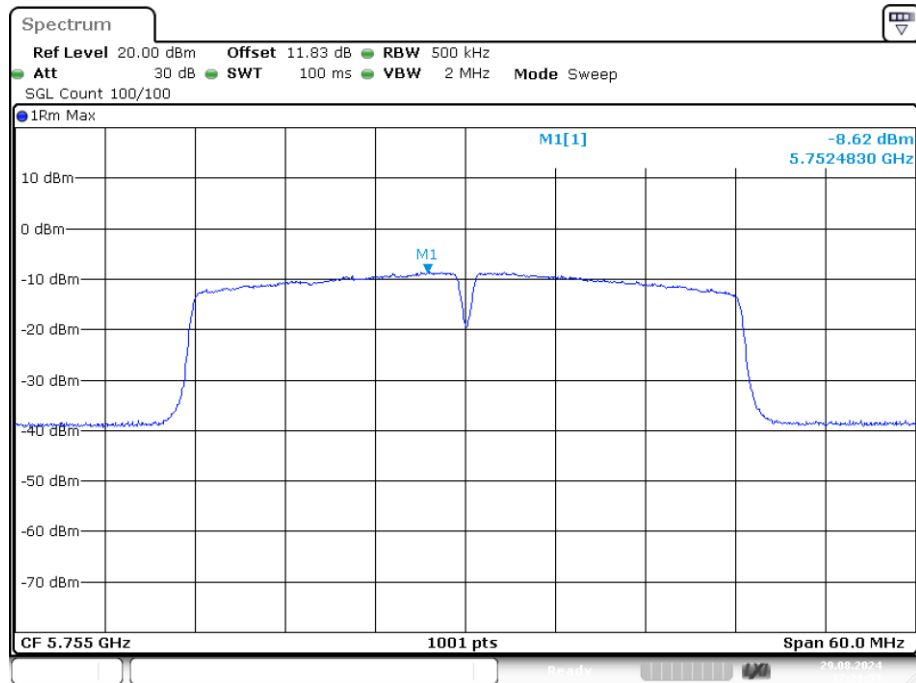
Date: 29.AUG.2024 16:56:02

PSD NVNT ac20 5825MHz Ant1

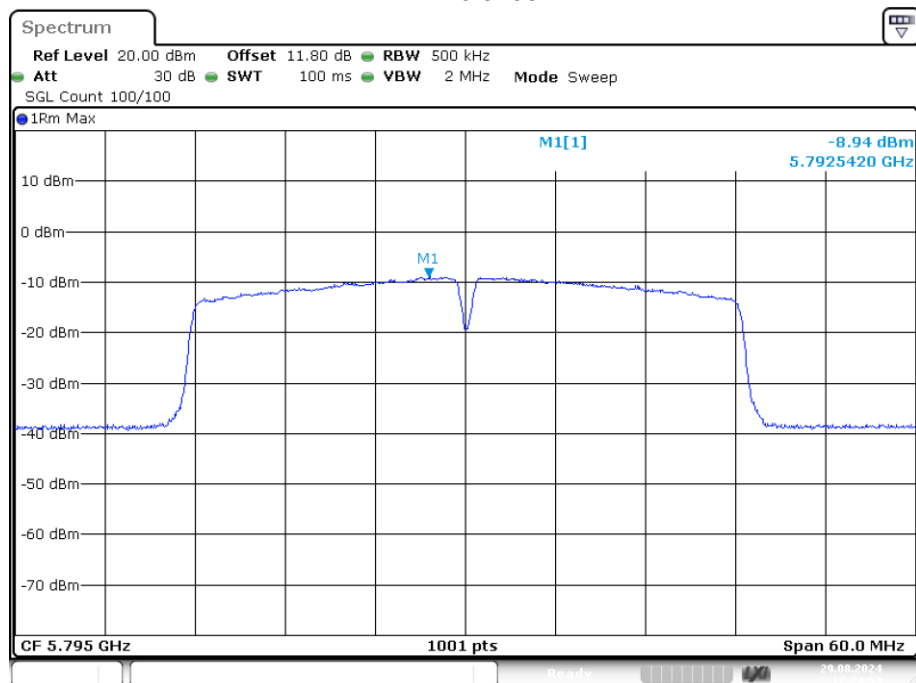


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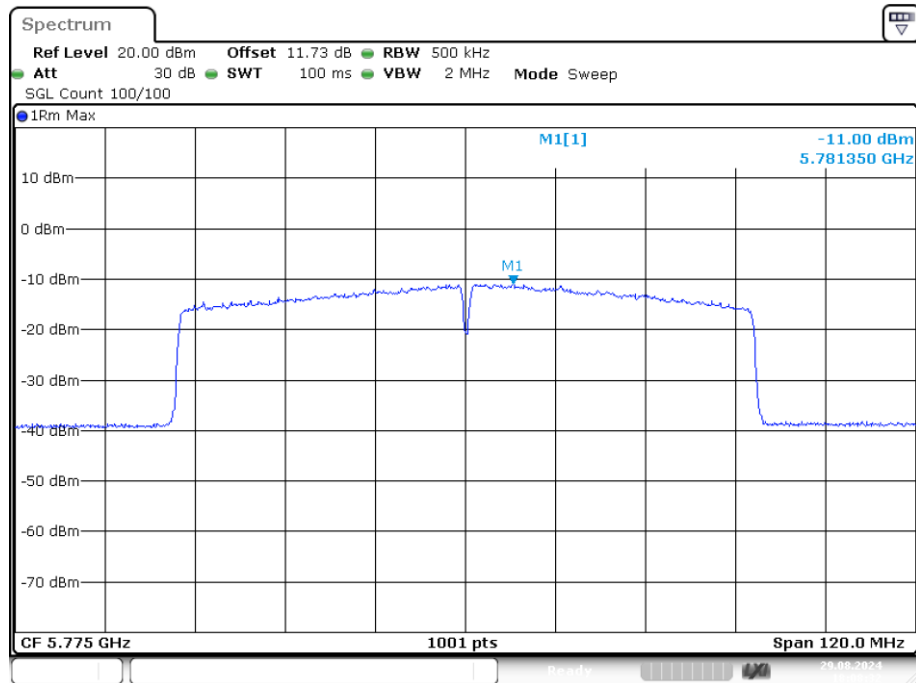
PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1

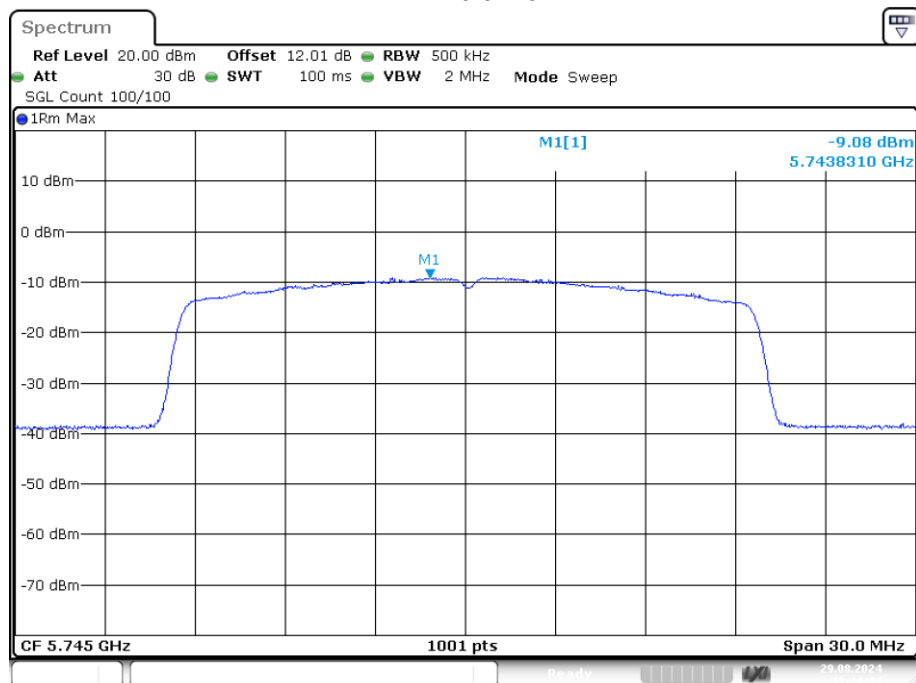


PSD NVNT ac80 5775MHz Ant1



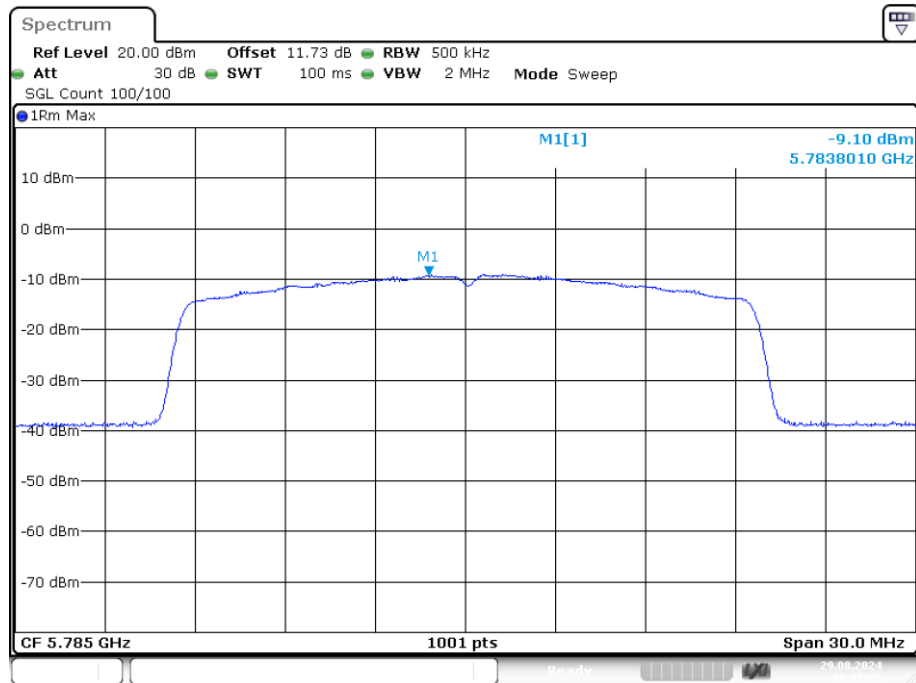
Date: 29.AUG.2024 18:08:32

PSD NVNT ax20 5745MHz Ant1



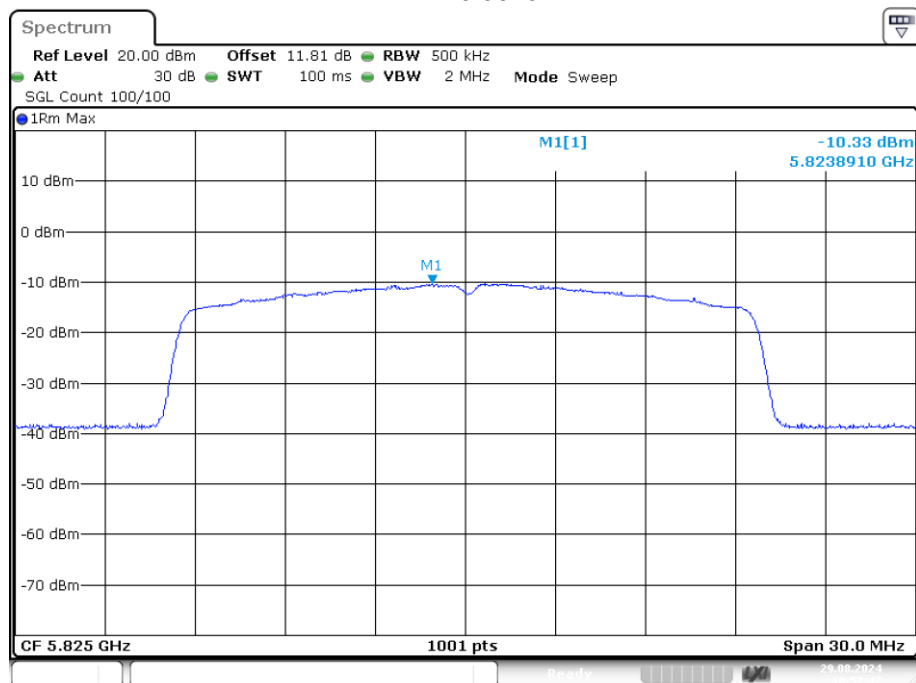
Date: 29.AUG.2024 18:14:44

PSD NVNT ax20 5785MHz Ant1



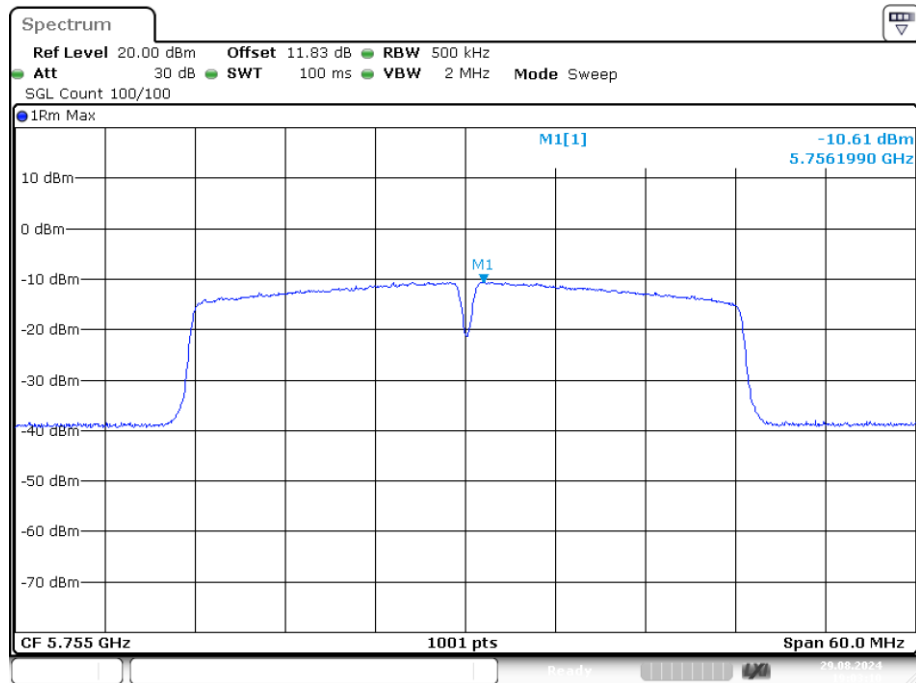
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PSD NVNT ax20 5825MHz Ant1



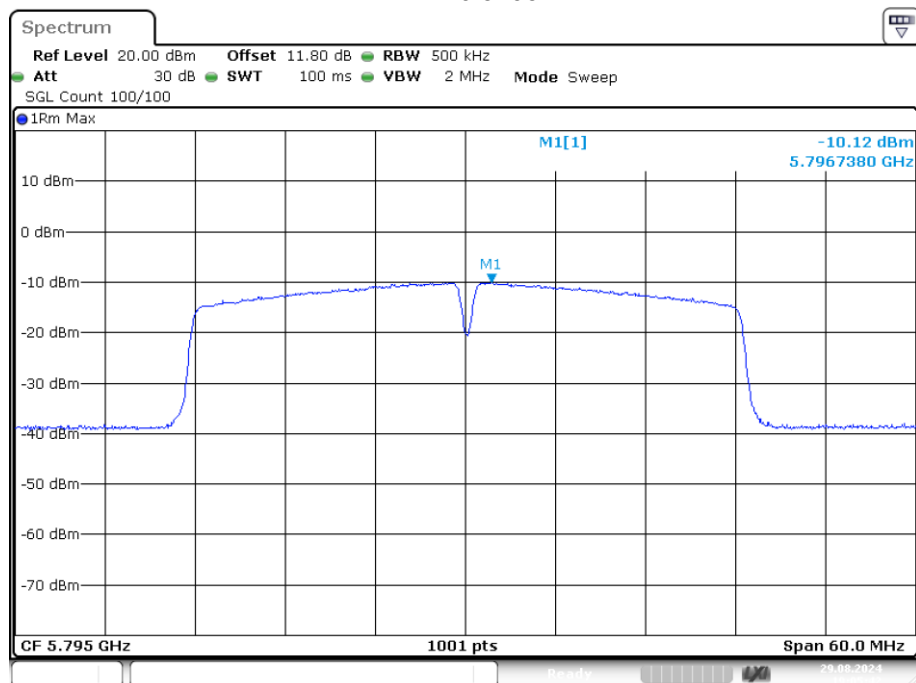
Date: 29.AUG.2024 18:57:47

PSD NVNT ax40 5755MHz Ant1



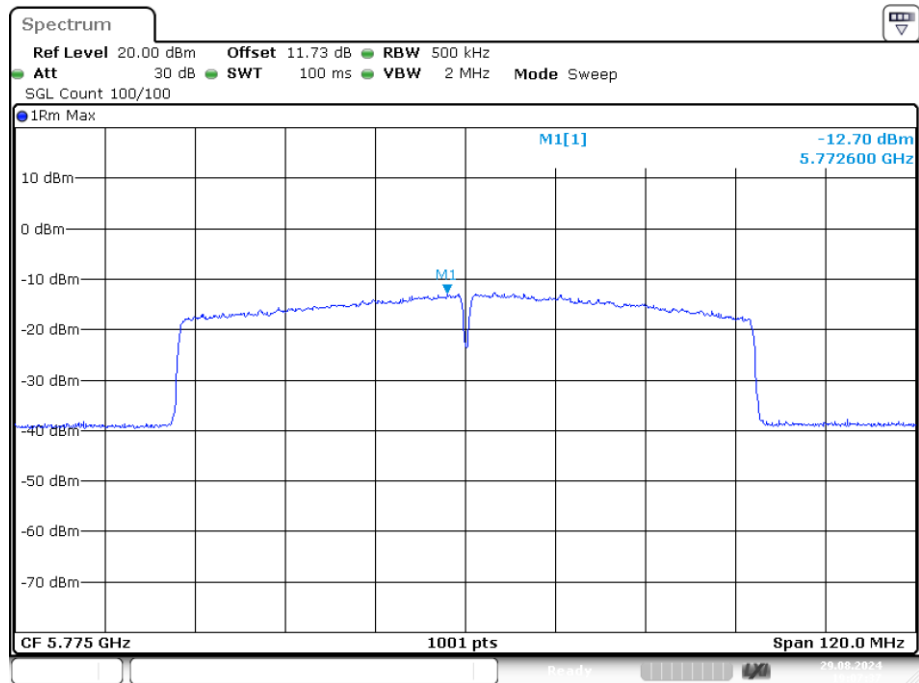
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PSD NVNT ax40 5795MHz Ant1



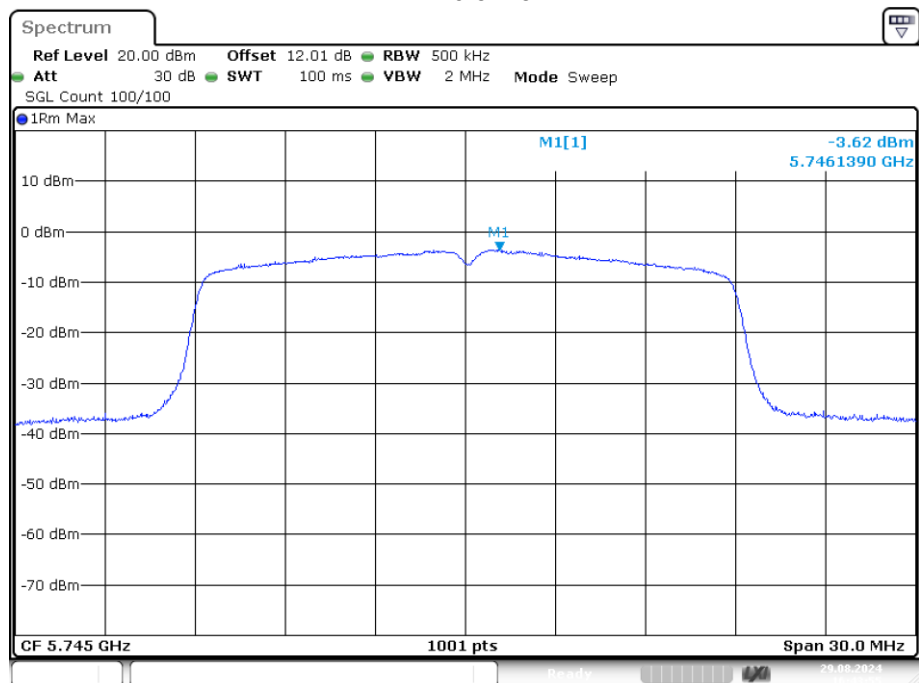
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PSD NVNT ax80 5775MHz Ant1



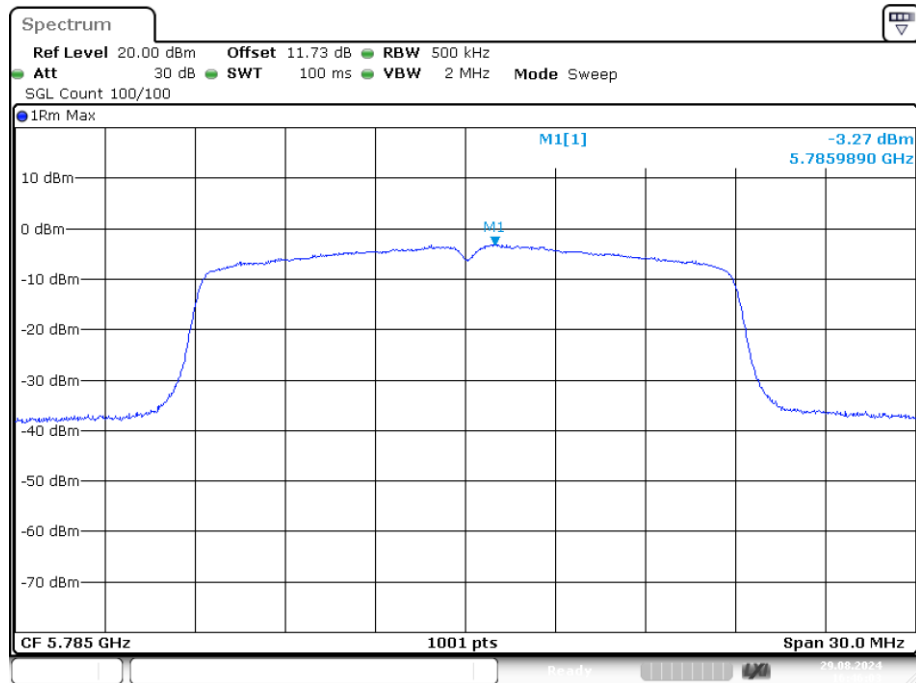
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PSD NVNT n20 5745MHz Ant1



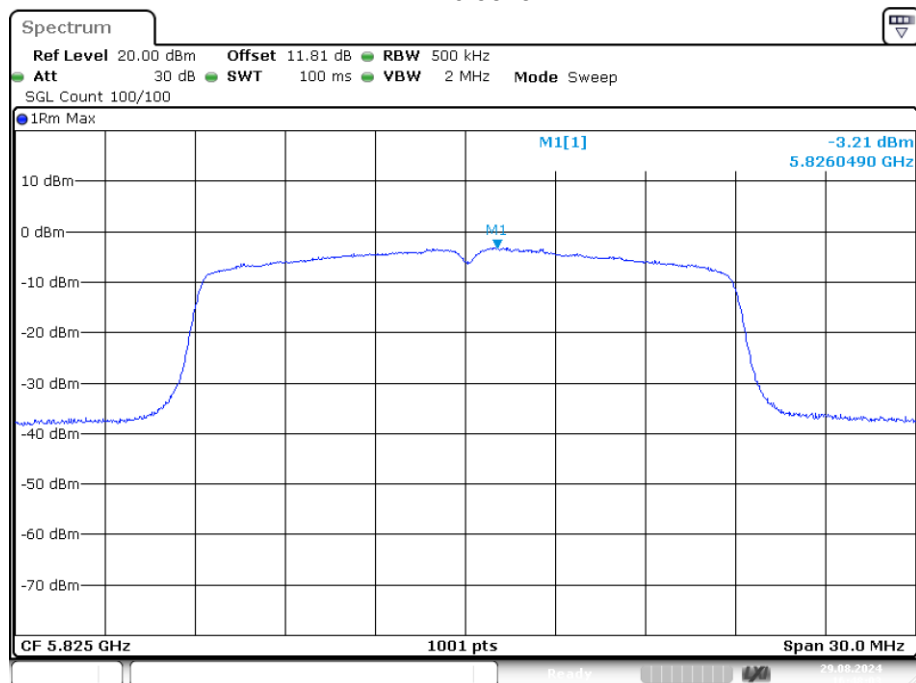
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PSD NVNT n20 5785MHz Ant1



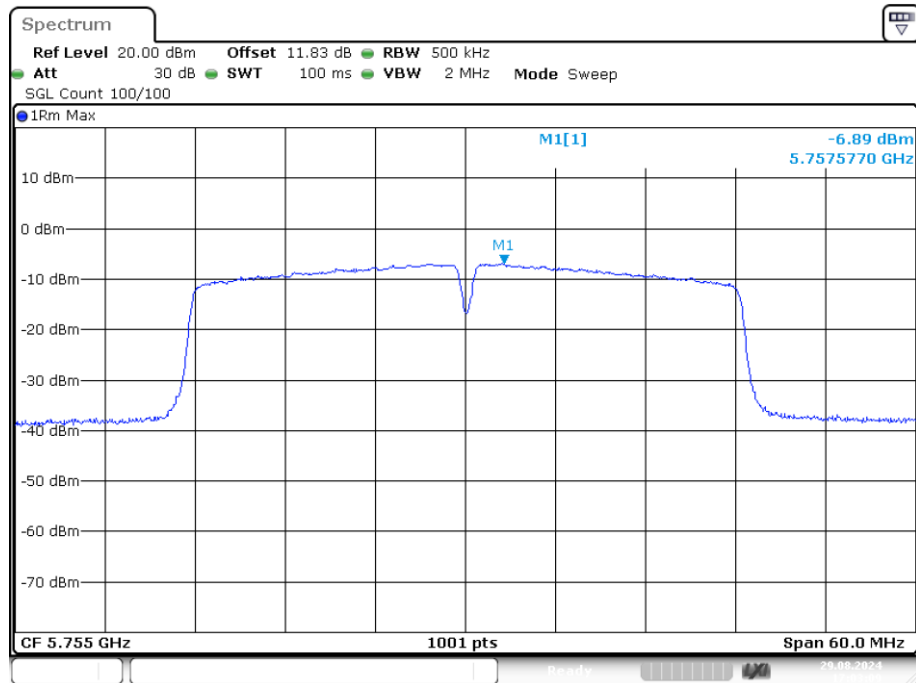
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PSD NVNT n20 5825MHz Ant1

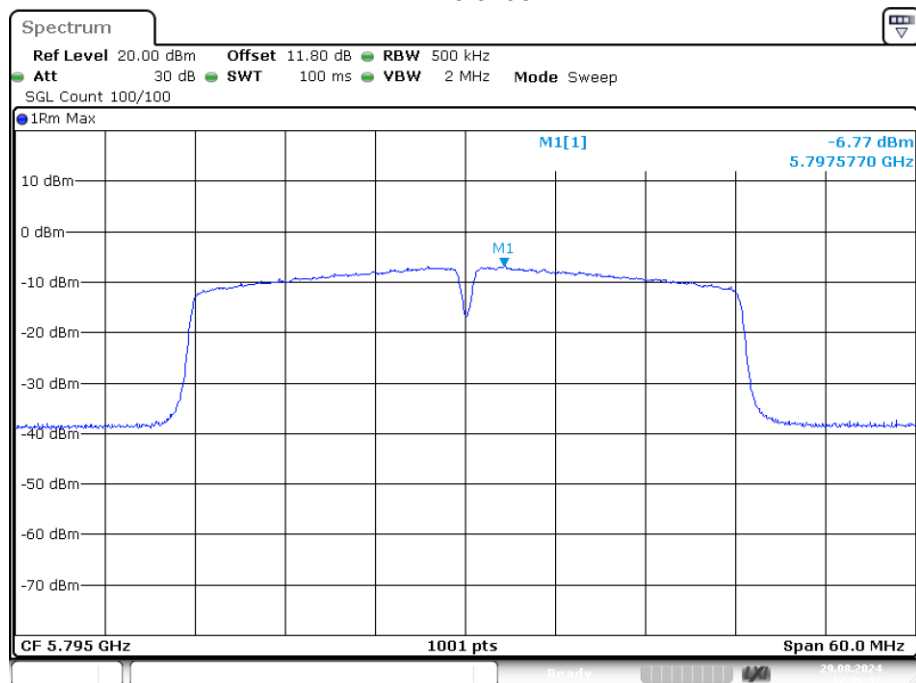


Date: 29.AUG.2024 16:48:04

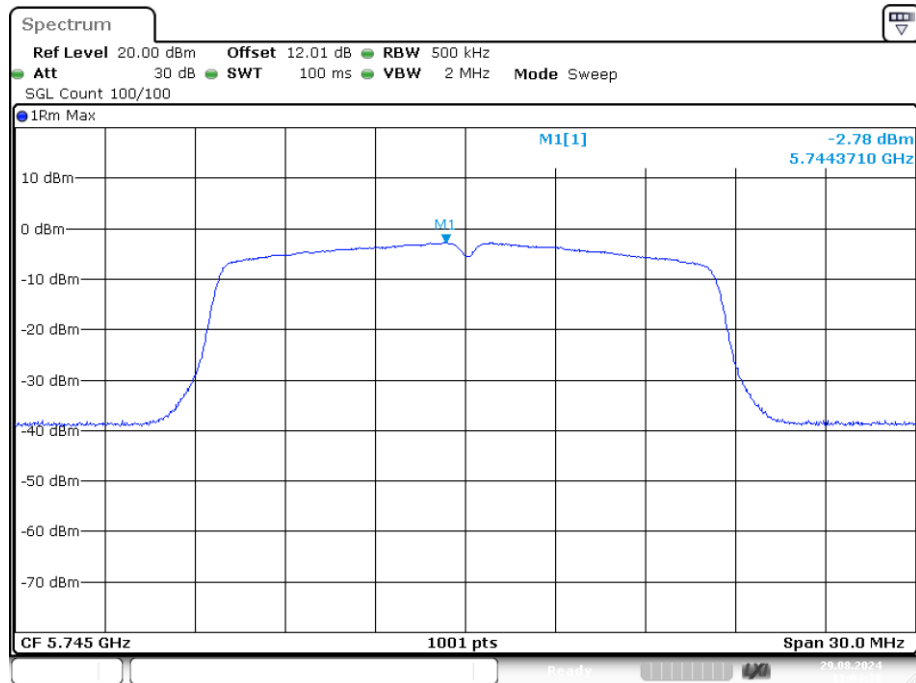
PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1

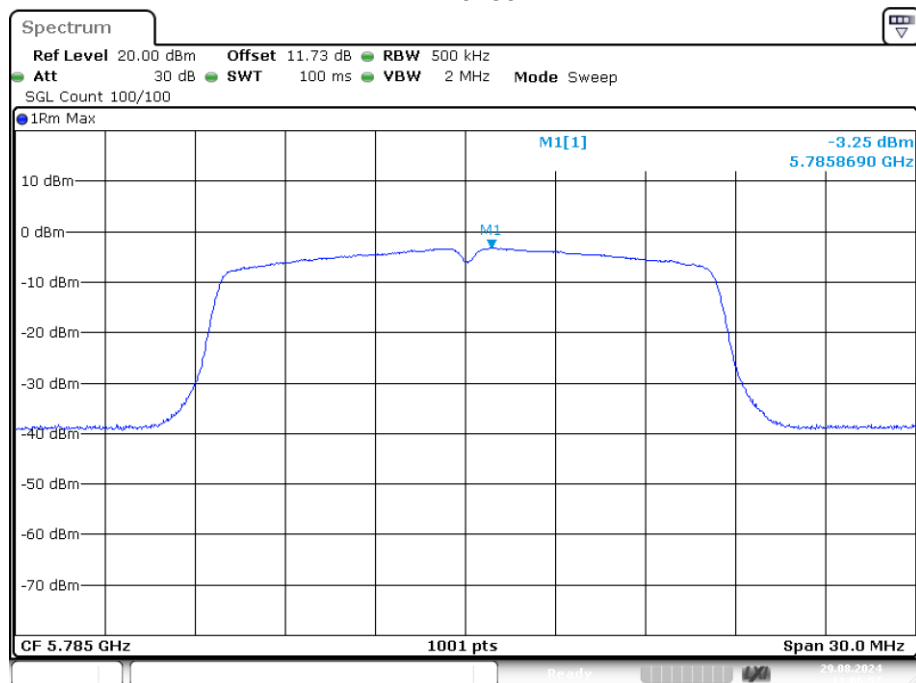


PSD NVNT a 5745MHz Ant2



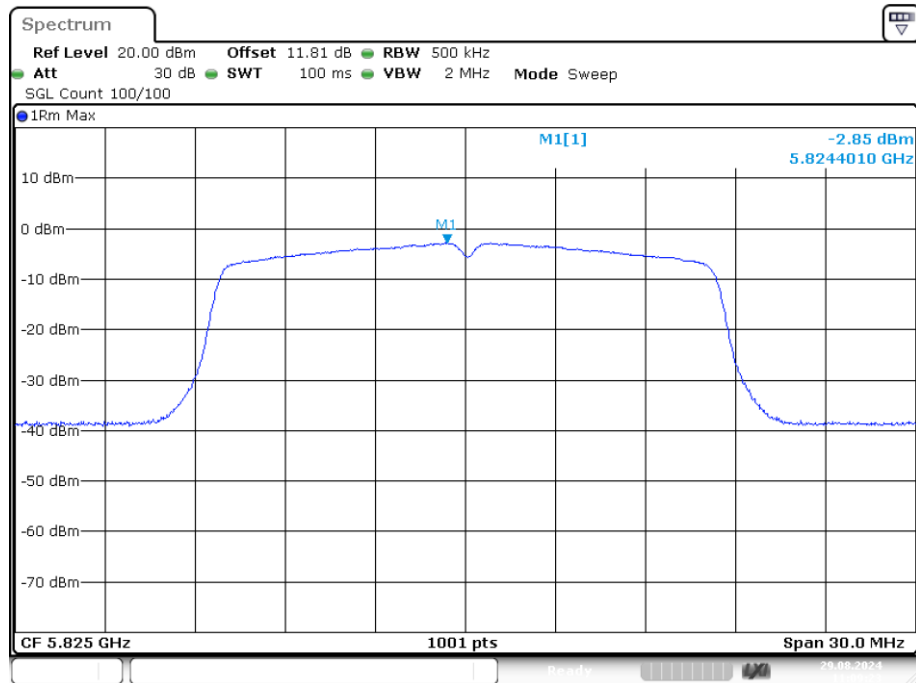
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PSD NVNT a 5785MHz Ant2



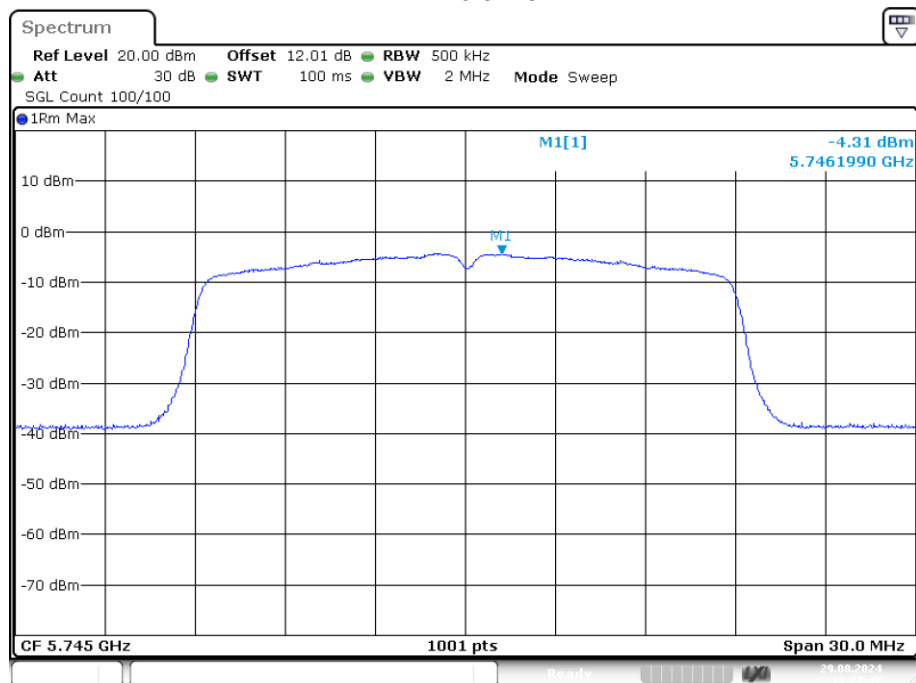
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PSD NVNT a 5825MHz Ant2



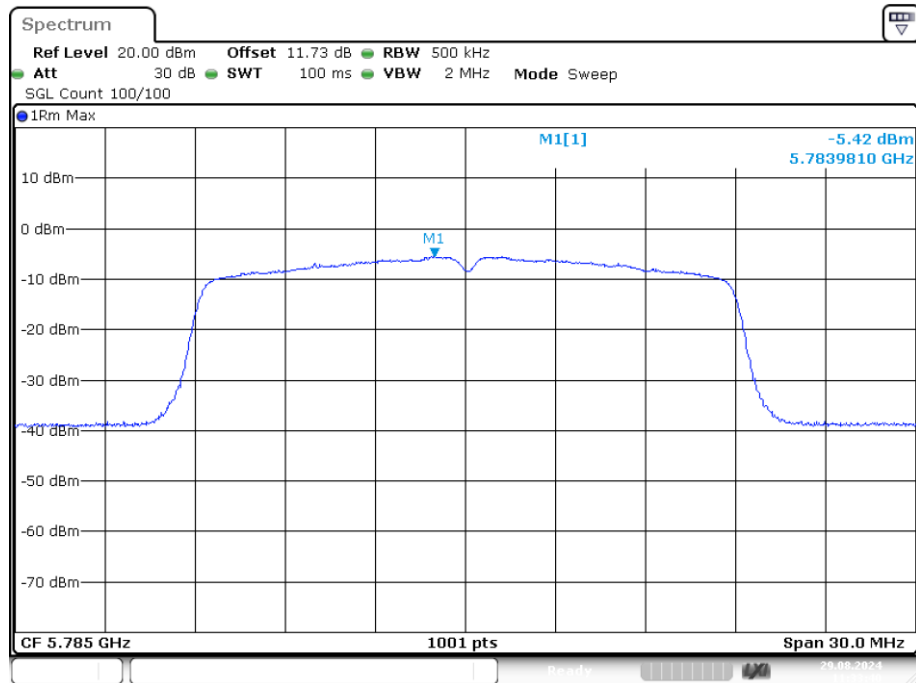
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PSD NVNT ac20 5745MHz Ant2

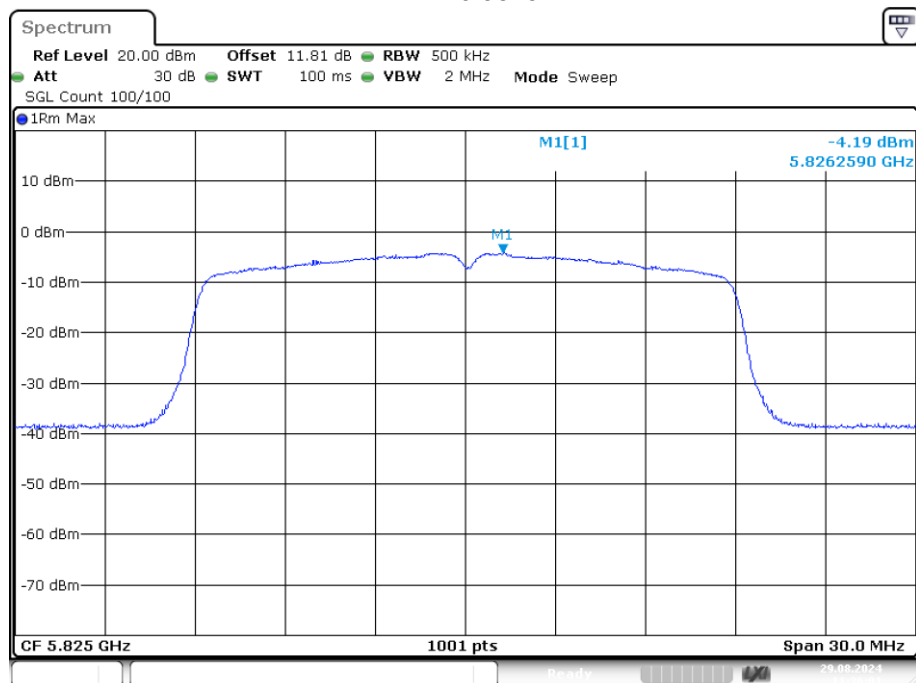


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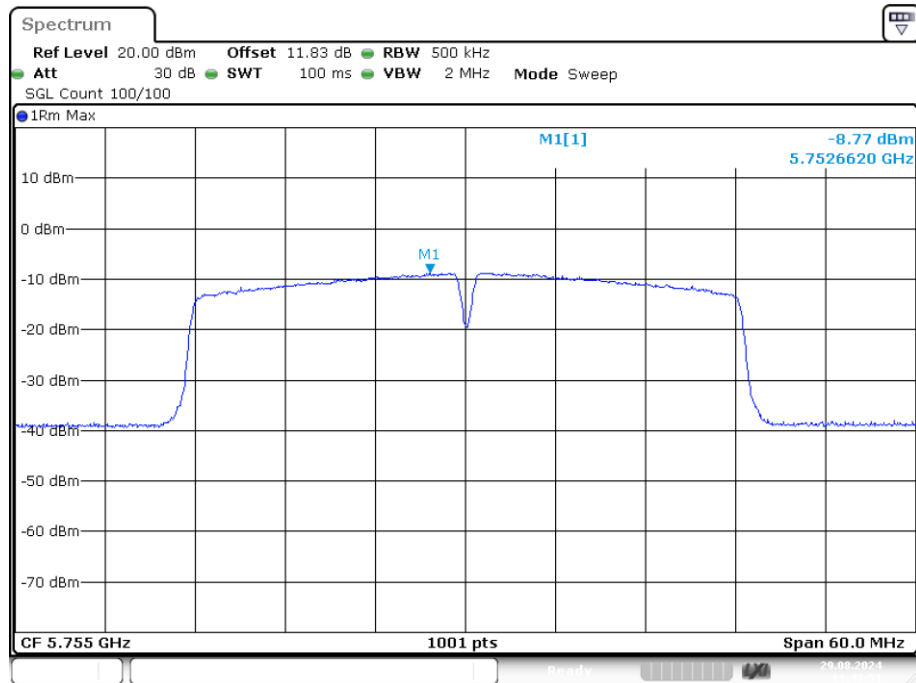
PSD NVNT ac20 5785MHz Ant2



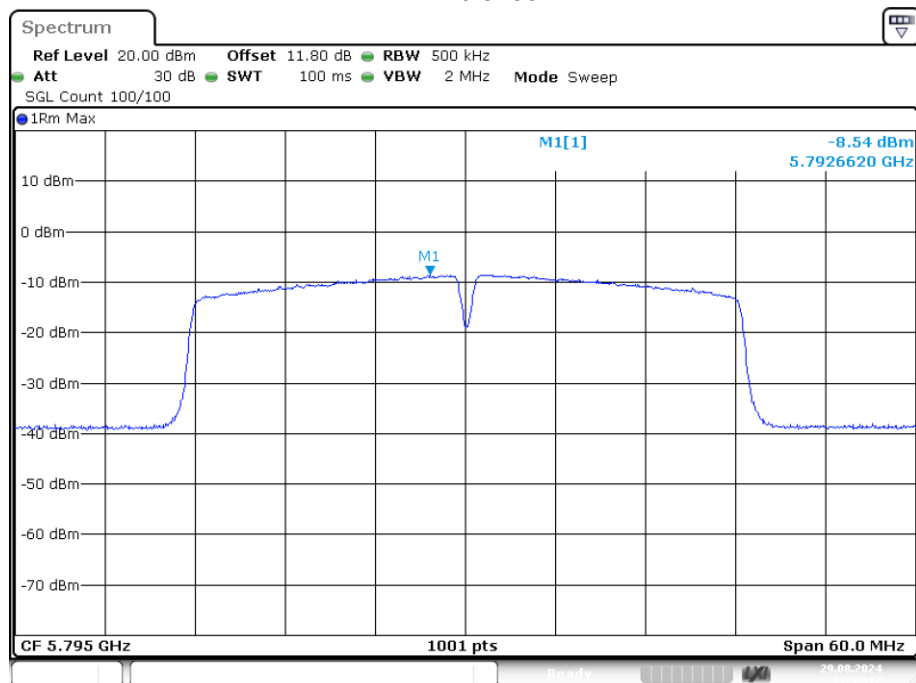
PSD NVNT ac20 5825MHz Ant2



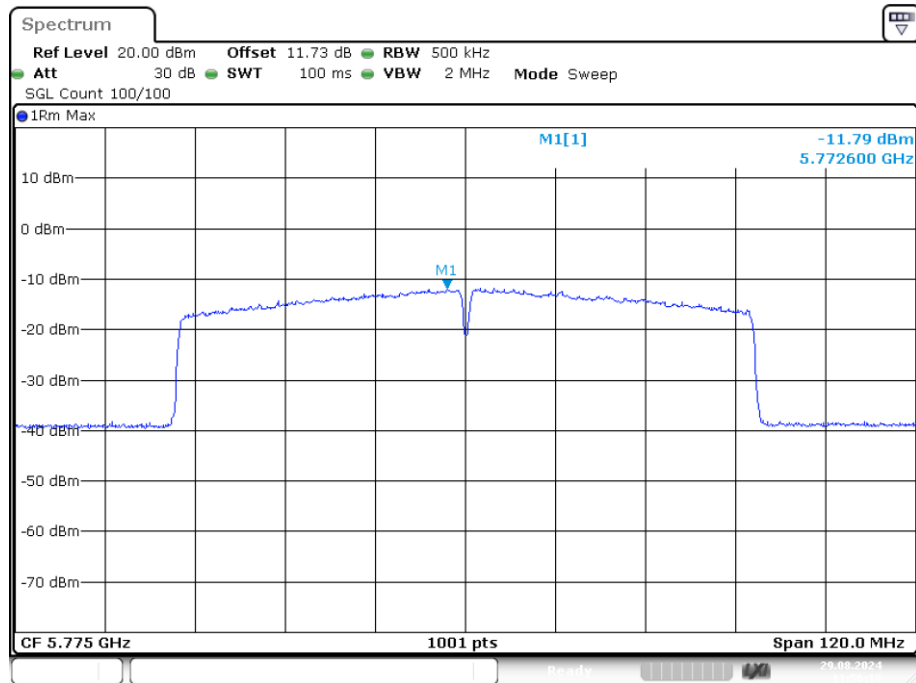
PSD NVNT ac40 5755MHz Ant2



PSD NVNT ac40 5795MHz Ant2

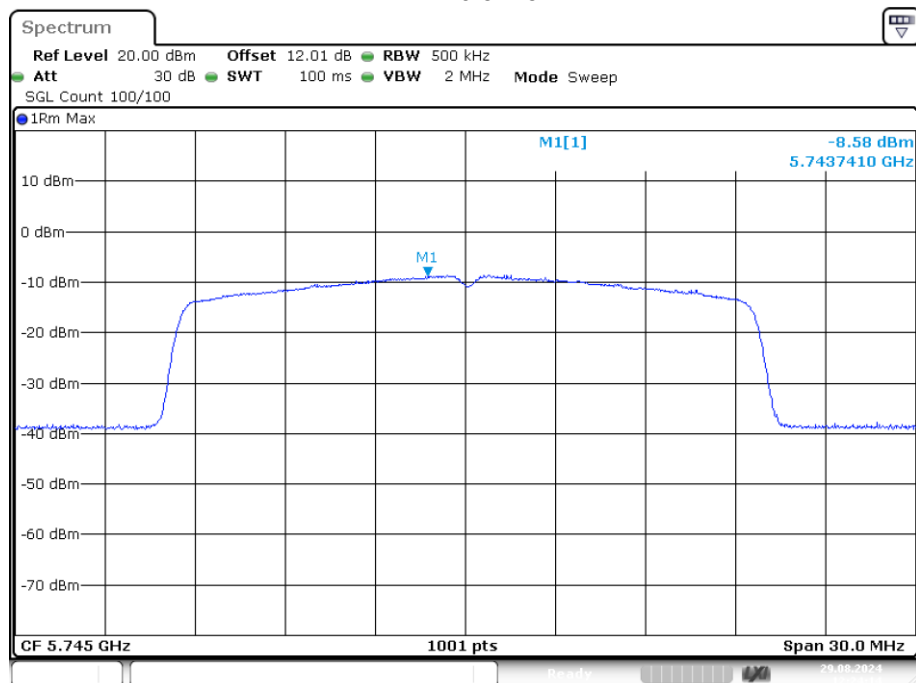


PSD NVNT ac80 5775MHz Ant2



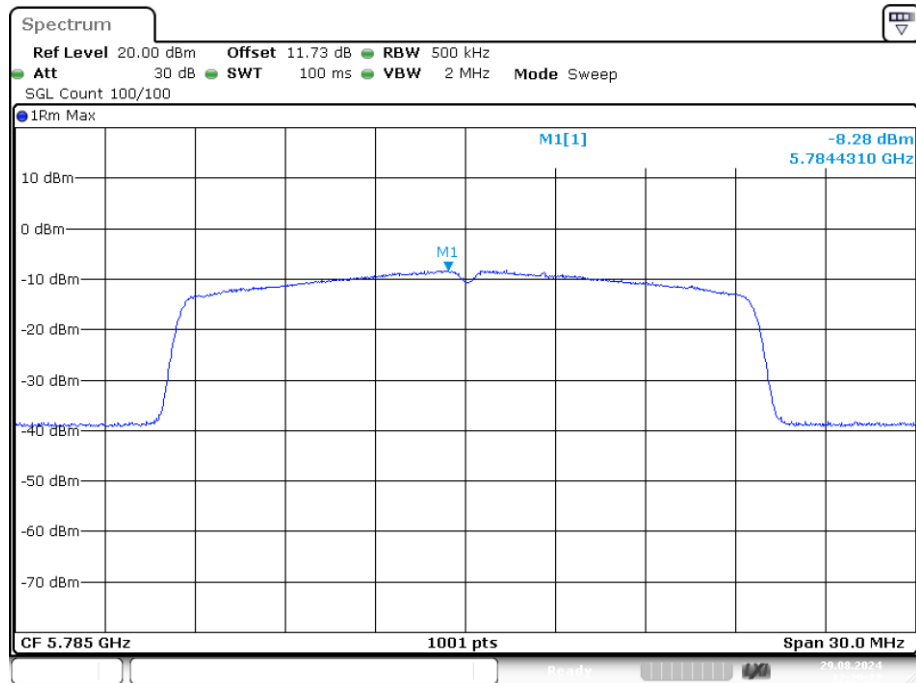
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PSD NVNT ax20 5745MHz Ant2



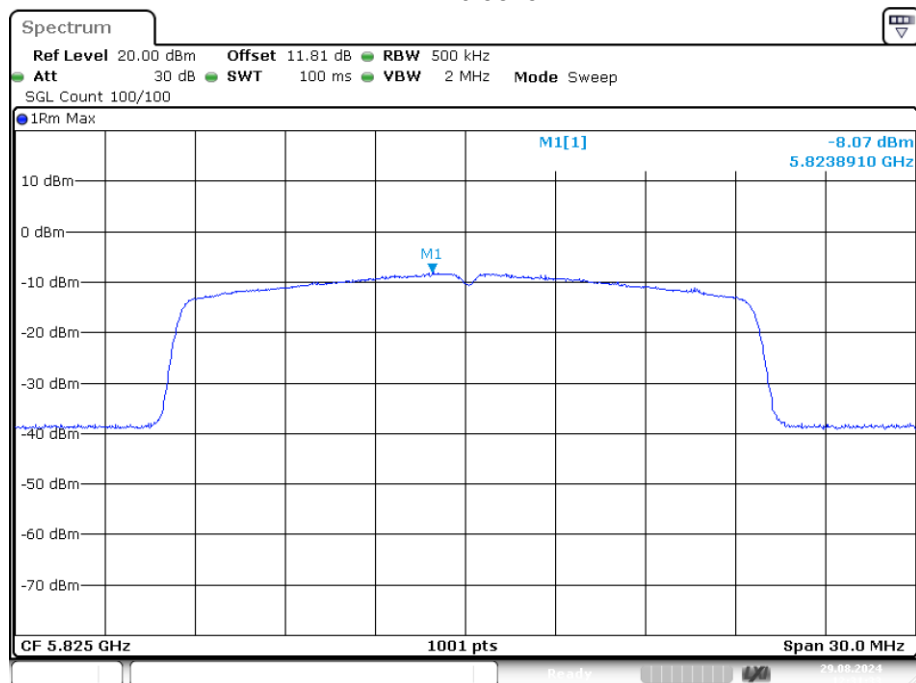
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PSD NVNT ax20 5785MHz Ant2



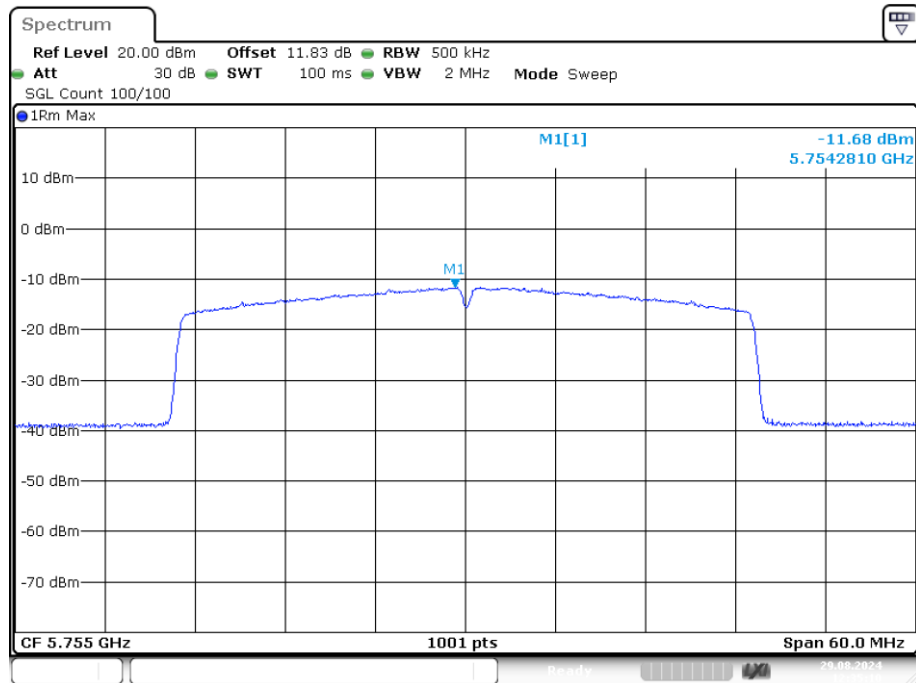
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PSD NVNT ax20 5825MHz Ant2

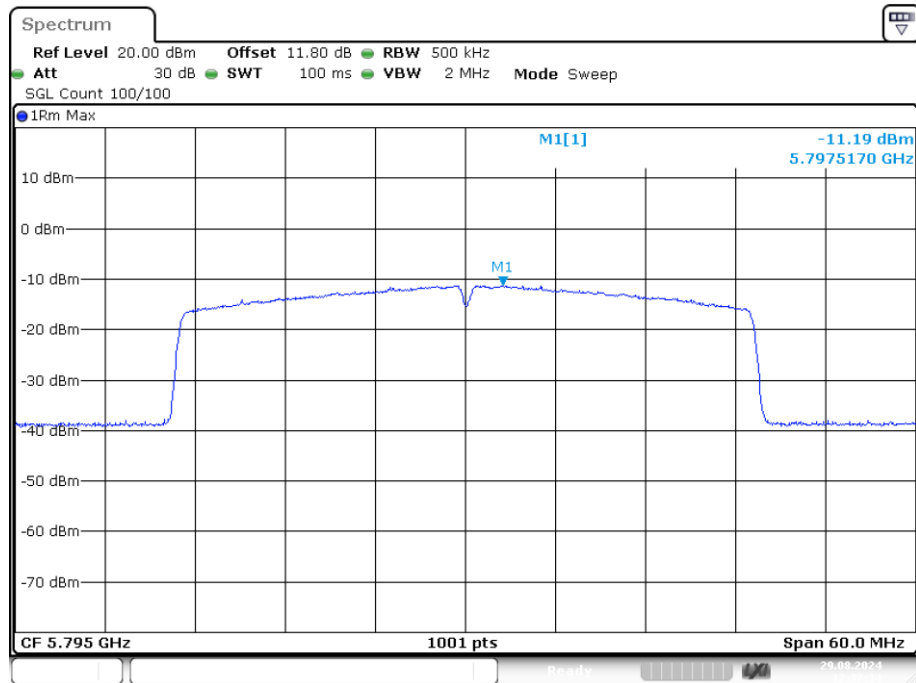


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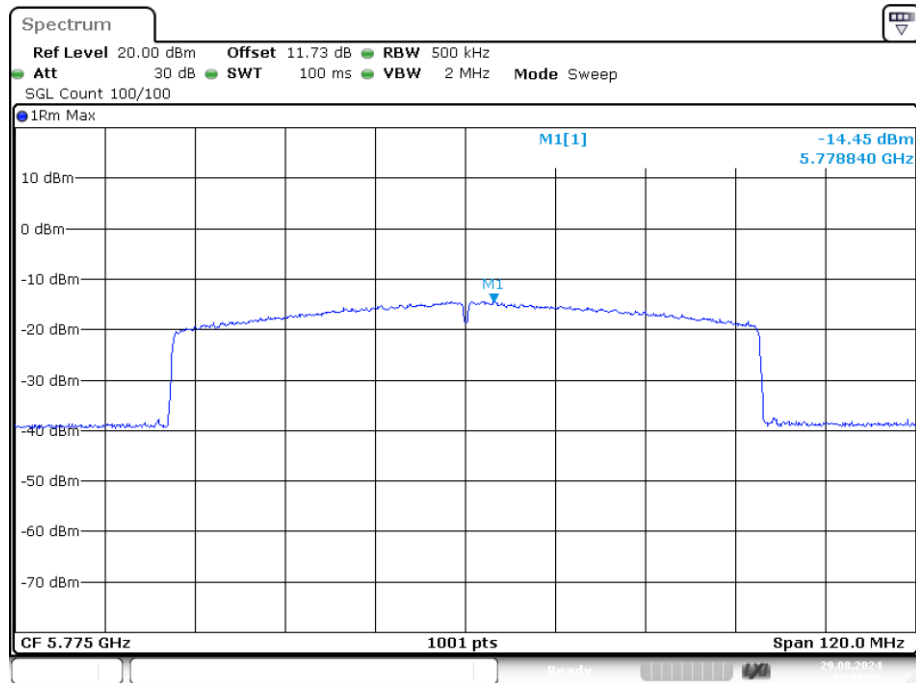
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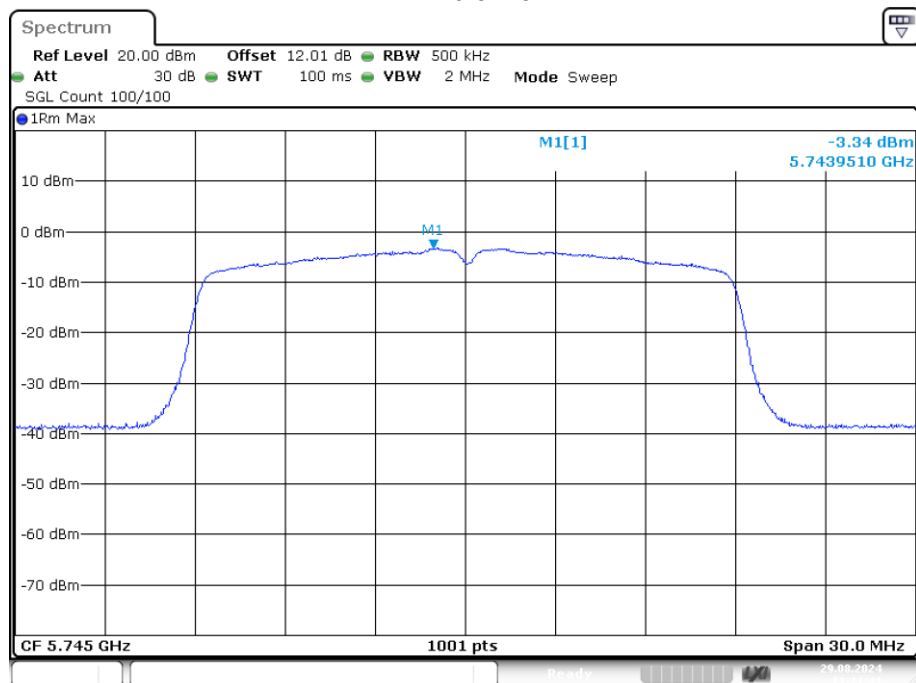
PSD NVNT ax40 5795MHz Ant2



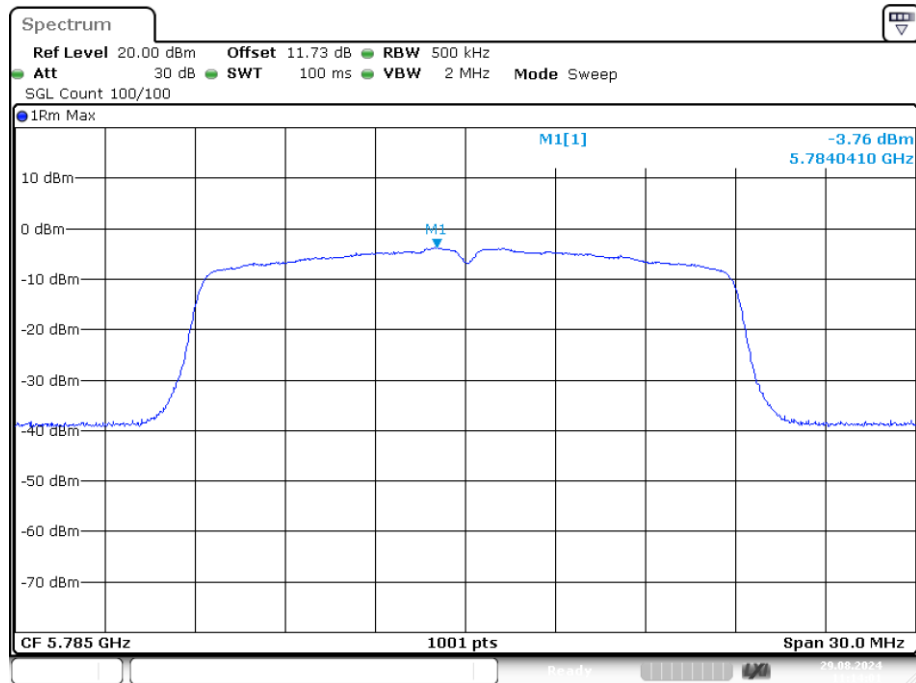
PSD NVNT ax80 5775MHz Ant2



PSD NVNT n20 5745MHz Ant2

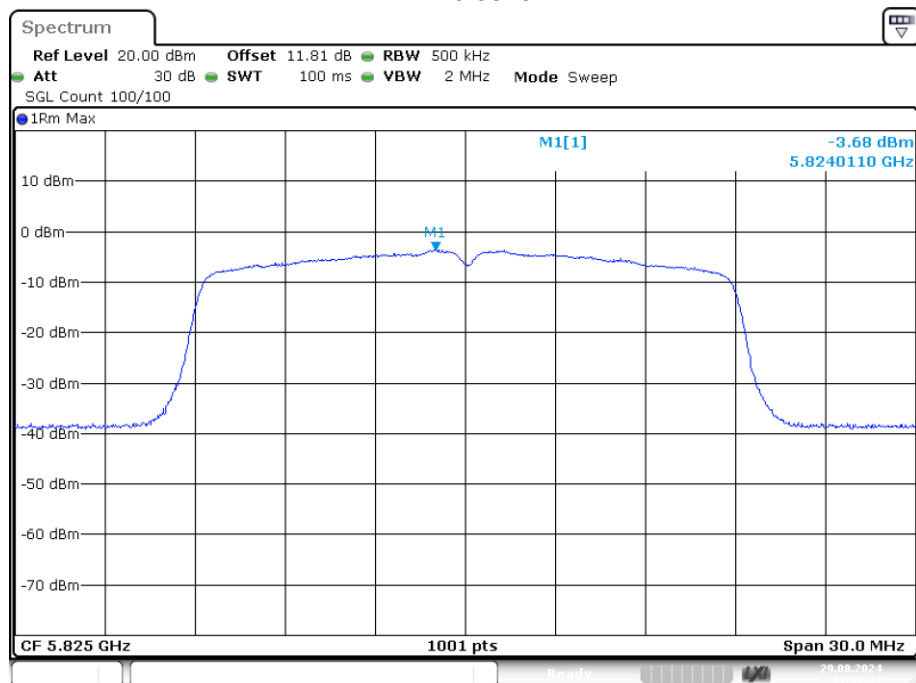


PSD NVNT n20 5785MHz Ant2



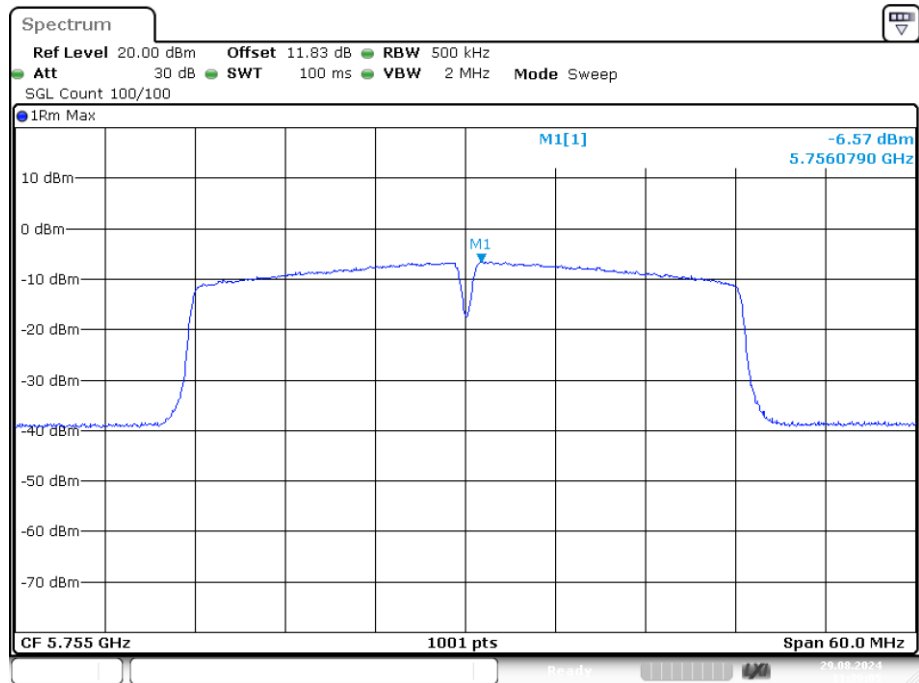
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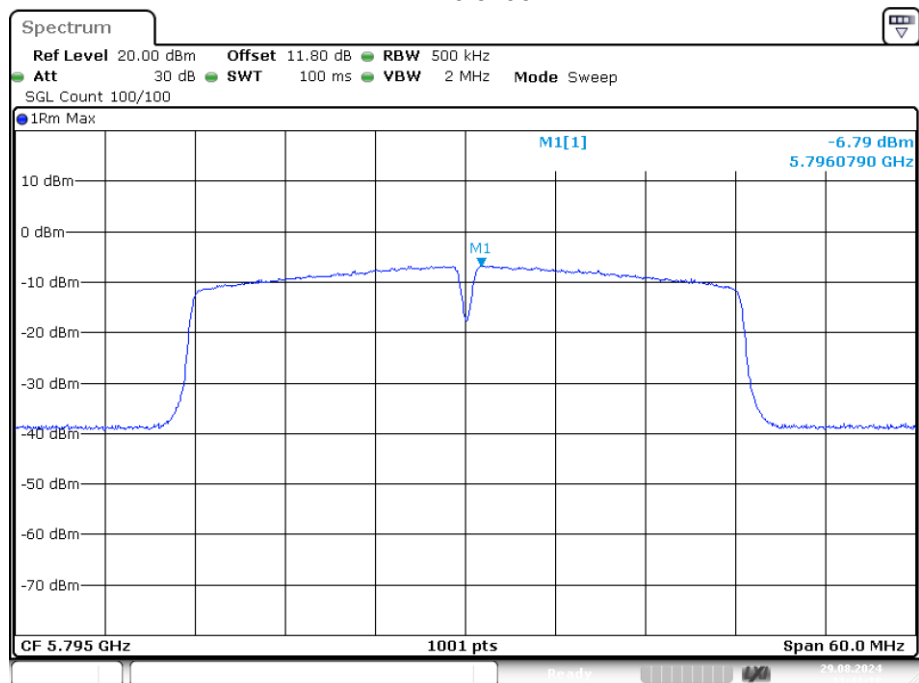
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PSD NVNT n40 5755MHz Ant2



Date: 29.AUG.2024 11:39:05

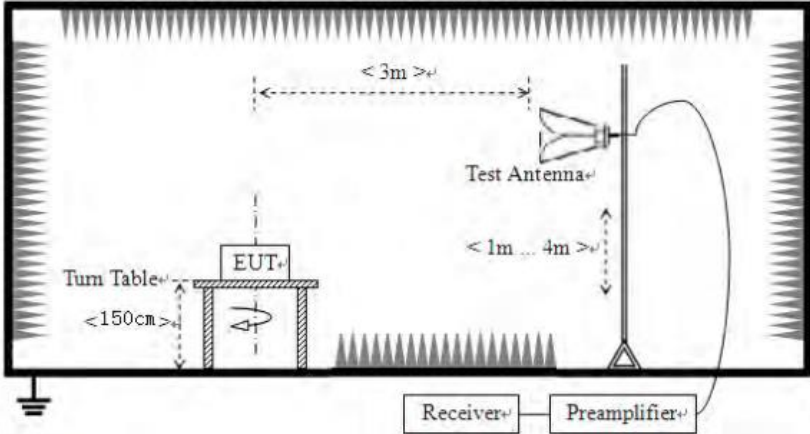
PSD NVNT n40 5795MHz Ant2



Date: 29.AUG.2024 11:41:18

4.6 Band Edge

Test Requirement:	FCC Part15 E Section 15.407 and 15.205																								
Test Method:	ANSI C63.10:2013																								
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)																								
Receiver setup:	<table><tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr><tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>100KHz</td><td>300KHz</td><td>Quasi-peak Value</td></tr><tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr><tr><td>AV</td><td>1MHz</td><td>3MHz</td><td>Average Value</td></tr></table>					Frequency	Detector	RBW	VBW	Remark	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value	Above 1GHz	Peak	1MHz	3MHz	Peak Value	AV	1MHz	3MHz	Average Value	
Frequency	Detector	RBW	VBW	Remark																					
30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value																					
Above 1GHz	Peak	1MHz	3MHz	Peak Value																					
	AV	1MHz	3MHz	Average Value																					
Limit:	<table><tr><td>Frequency</td><td>Limit (dBuV/m @3m)</td><td>Remark</td></tr><tr><td>30MHz-88MHz</td><td>40.0</td><td>Quasi-peak Value</td></tr><tr><td>88MHz-216MHz</td><td>43.5</td><td>Quasi-peak Value</td></tr><tr><td>216MHz-960MHz</td><td>46.0</td><td>Quasi-peak Value</td></tr><tr><td>960MHz-1GHz</td><td>54.0</td><td>Quasi-peak Value</td></tr><tr><td rowspan="2">Above 1GHz</td><td>54.0</td><td>Average Value</td></tr><tr><td>68.2</td><td>Peak Value</td></tr></table> Undesirable emission limits: (1) 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 EIRP of -27 dBm/MHz. (2) 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 EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band. (3) 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 EIRP of -27 dBm/MHz.					Frequency	Limit (dBuV/m @3m)	Remark	30MHz-88MHz	40.0	Quasi-peak Value	88MHz-216MHz	43.5	Quasi-peak Value	216MHz-960MHz	46.0	Quasi-peak Value	960MHz-1GHz	54.0	Quasi-peak Value	Above 1GHz	54.0	Average Value	68.2	Peak Value
Frequency	Limit (dBuV/m @3m)	Remark																							
30MHz-88MHz	40.0	Quasi-peak Value																							
88MHz-216MHz	43.5	Quasi-peak Value																							
216MHz-960MHz	46.0	Quasi-peak Value																							
960MHz-1GHz	54.0	Quasi-peak Value																							
Above 1GHz	54.0	Average Value																							
	68.2	Peak Value																							
Test Procedure:	a. 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. b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. 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.																								
Test setup:	Above 1GHz																								

	
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Remark:

According to KDB 789033 D02 v02r01 section G) 1) (d), for For measurements above 1000 MHz @ 3m distance, the limit of field strength is computed as follows:

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

For example, if EIRP = -27dBm

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

Measurement Data:**Band1**

Mode:		802.11a		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	32.89	17.18	50.07	74.00	-23.93	PK
V	5150.00	33.30	17.18	50.48	74.00	-23.52	PK
Mode:		802.11a		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	24.41	17.18	41.59	54.00	-12.41	AV
V	5150.00	26.31	17.18	43.49	54.00	-10.51	AV
Mode:		802.11a		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	33.68	17.18	50.86	74.00	-23.14	PK
V	5350.00	34.65	17.18	51.83	74.00	-22.17	PK
Mode:		802.11a		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	22.60	17.18	39.78	54.00	-14.22	AV
V	5350.00	24.30	17.18	41.48	54.00	-12.52	AV