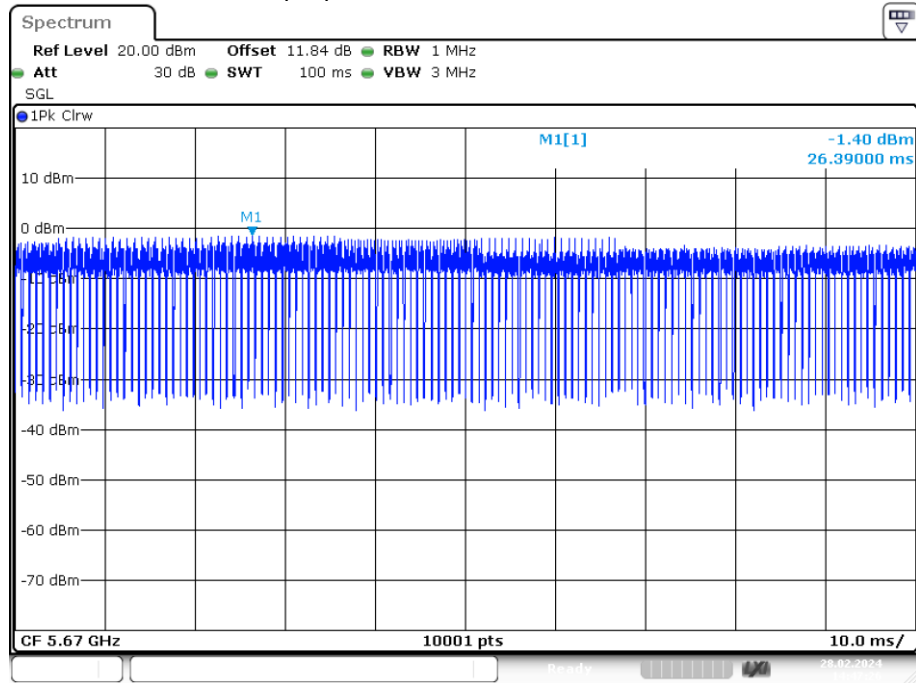


Duty Cycle NVNT n40 5670MHz Ant A

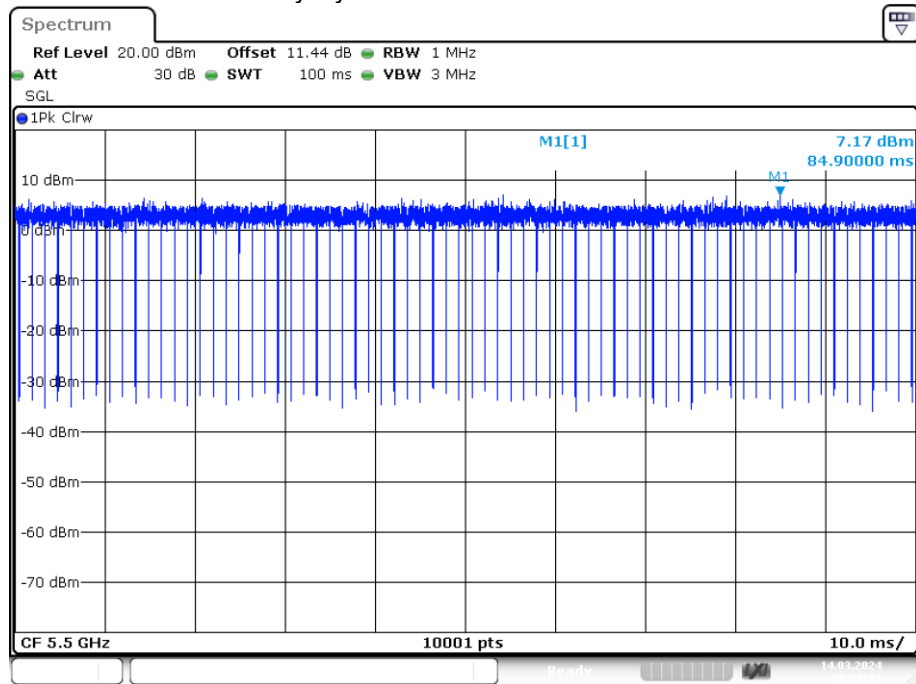


Date: 28.FEB.2024 14:47:26

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant B	9.074	14.074	24	Pass
NVNT	a	5580	Ant B	9.777	14.777	24	Pass
NVNT	a	5700	Ant B	10.421	15.421	24	Pass
NVNT	ac20	5500	Ant B	9.908	14.908	24	Pass
NVNT	ac20	5580	Ant B	9.322	14.322	24	Pass
NVNT	ac20	5700	Ant B	9.875	14.875	24	Pass
NVNT	ac40	5510	Ant B	9.832	14.832	24	Pass
NVNT	ac40	5670	Ant B	9.242	14.242	24	Pass
NVNT	ac80	5530	Ant B	10.161	15.161	24	Pass
NVNT	n20	5500	Ant B	9.772	14.772	24	Pass
NVNT	n20	5580	Ant B	10.113	15.113	24	Pass
NVNT	n20	5700	Ant B	10.215	15.215	24	Pass
NVNT	n40	5510	Ant B	9.847	14.847	24	Pass
NVNT	n40	5670	Ant B	9.851	14.851	24	Pass

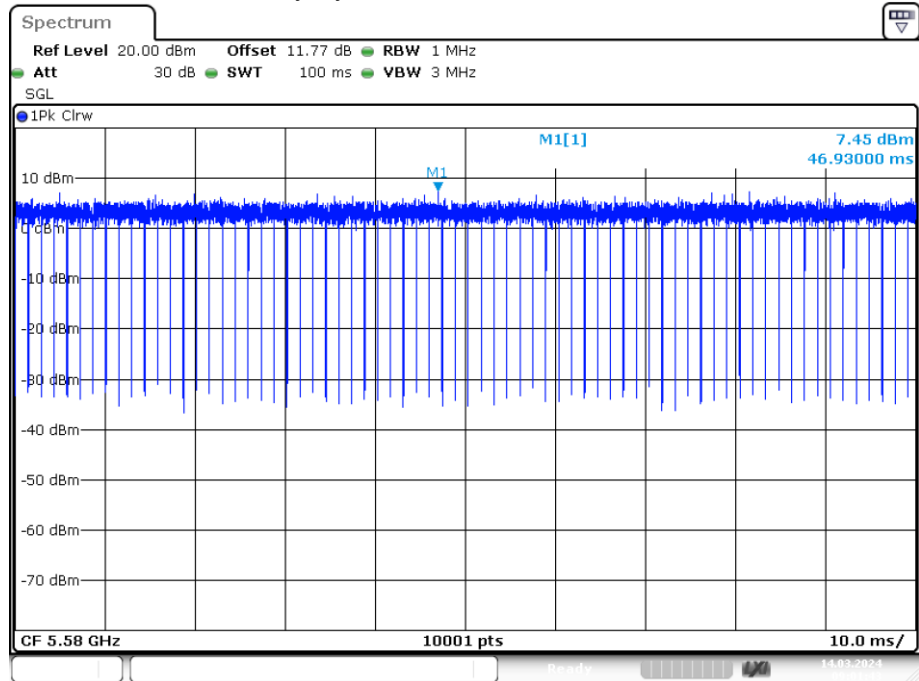
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)
NVNT	a	5500	Ant B	97.59
NVNT	a	5580	Ant B	97.63
NVNT	a	5700	Ant B	97.63
NVNT	ac20	5500	Ant B	97.5
NVNT	ac20	5580	Ant B	97.49
NVNT	ac20	5700	Ant B	97.5
NVNT	ac40	5510	Ant B	95.18
NVNT	ac40	5670	Ant B	95.15
NVNT	ac80	5530	Ant B	100
NVNT	n20	5500	Ant B	97.45
NVNT	n20	5580	Ant B	97.48
NVNT	n20	5700	Ant B	97.46
NVNT	n40	5510	Ant B	95.11
NVNT	n40	5670	Ant B	95.1

Duty Cycle NVNT a 5500MHz Ant B



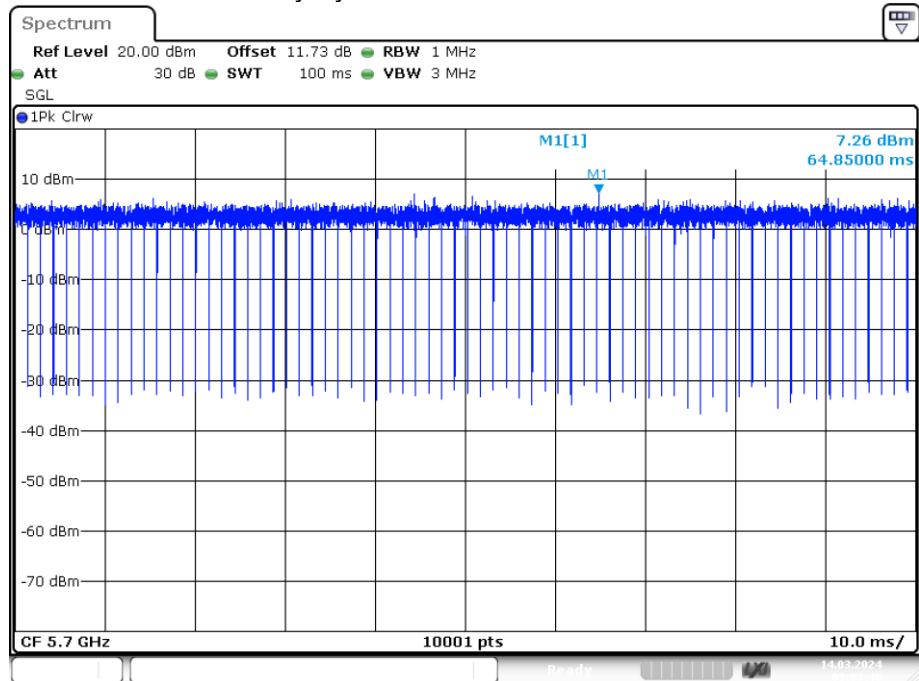
Date: 14.MAR.2024 08:58:19

Duty Cycle NVNT a 5580MHz Ant B



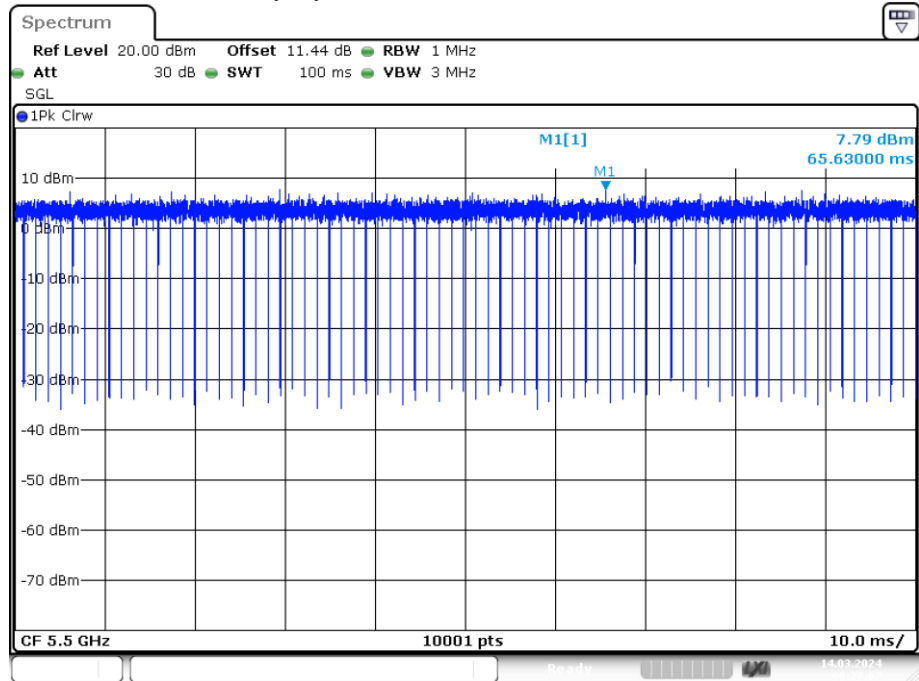
Date: 14.MAR.2024 09:01:42

Duty Cycle NVNT a 5700MHz Ant B



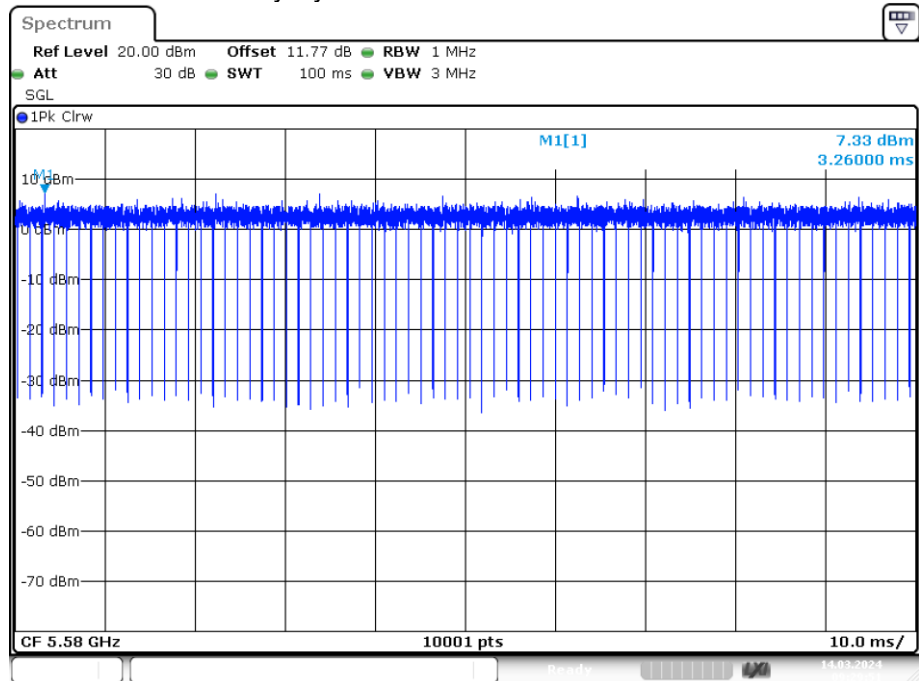
Date: 14.MAR.2024 09:03:45

Duty Cycle NVNT ac20 5500MHz Ant B



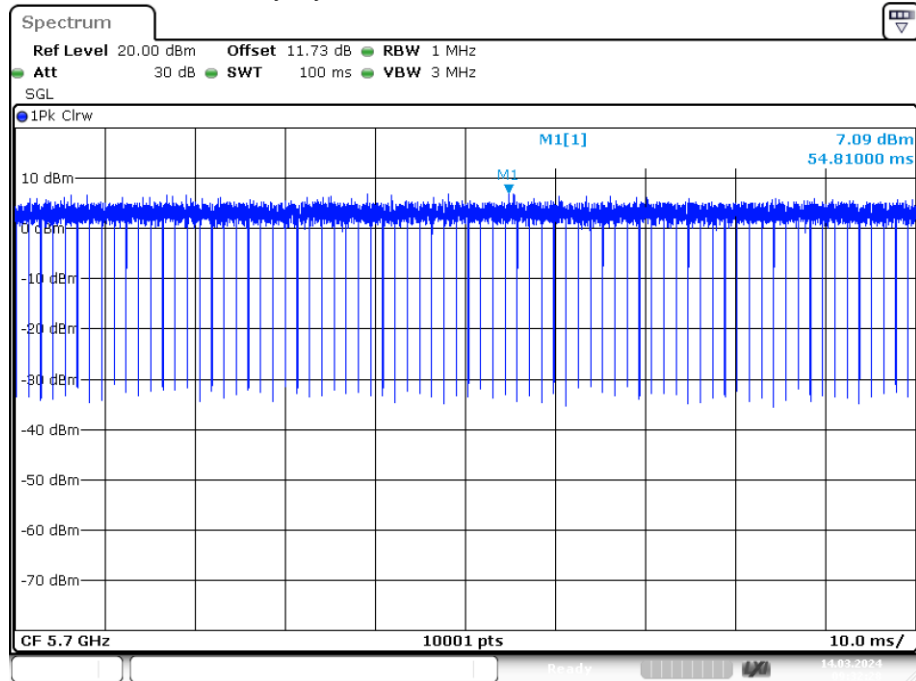
Date: 14.MAR.2024 09:27:07

Duty Cycle NVNT ac20 5580MHz Ant B



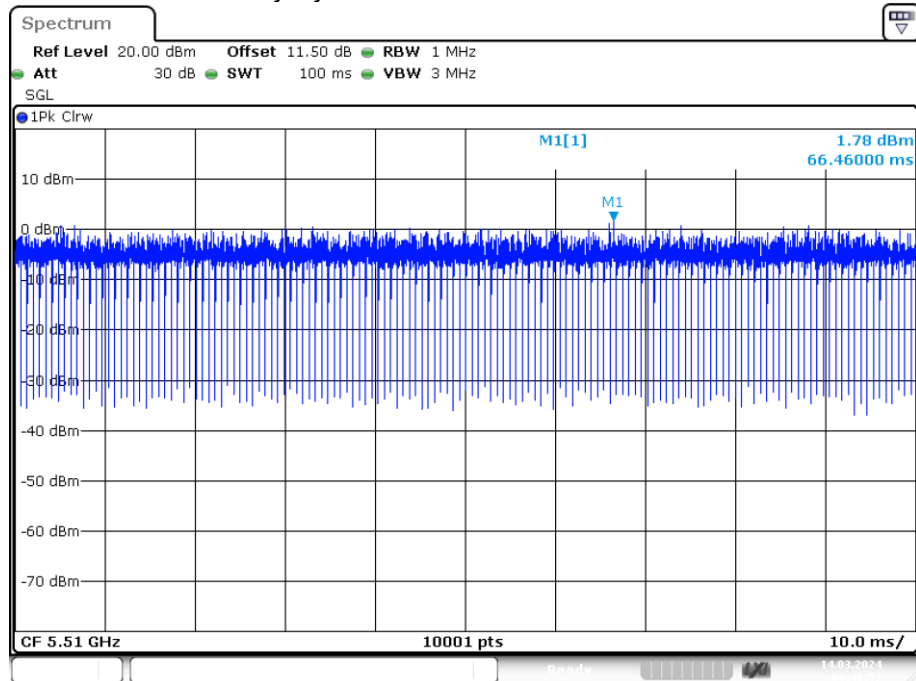
Date: 14.MAR.2024 09:29:51

Duty Cycle NVNT ac20 5700MHz Ant B



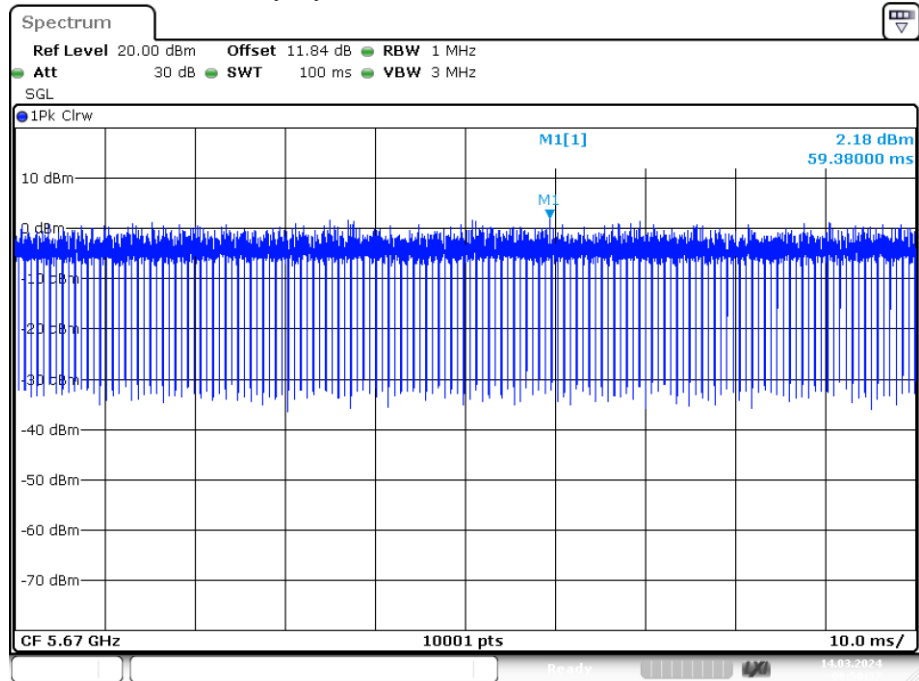
Date: 14.MAR.2024 09:32:28

Duty Cycle NVNT ac40 5510MHz Ant B



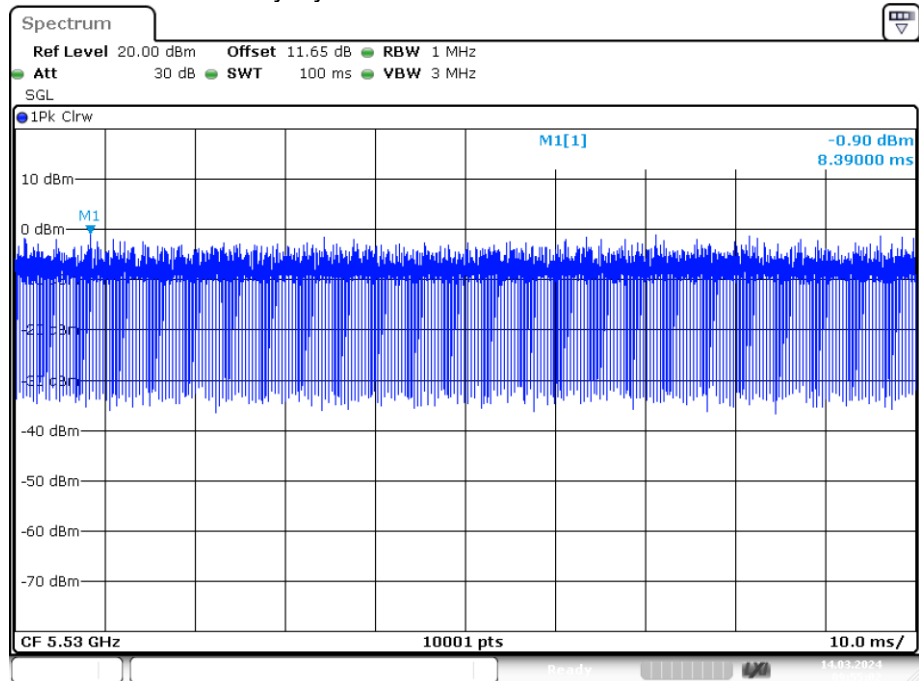
Date: 14.MAR.2024 09:46:51

Duty Cycle NVNT ac40 5670MHz Ant B



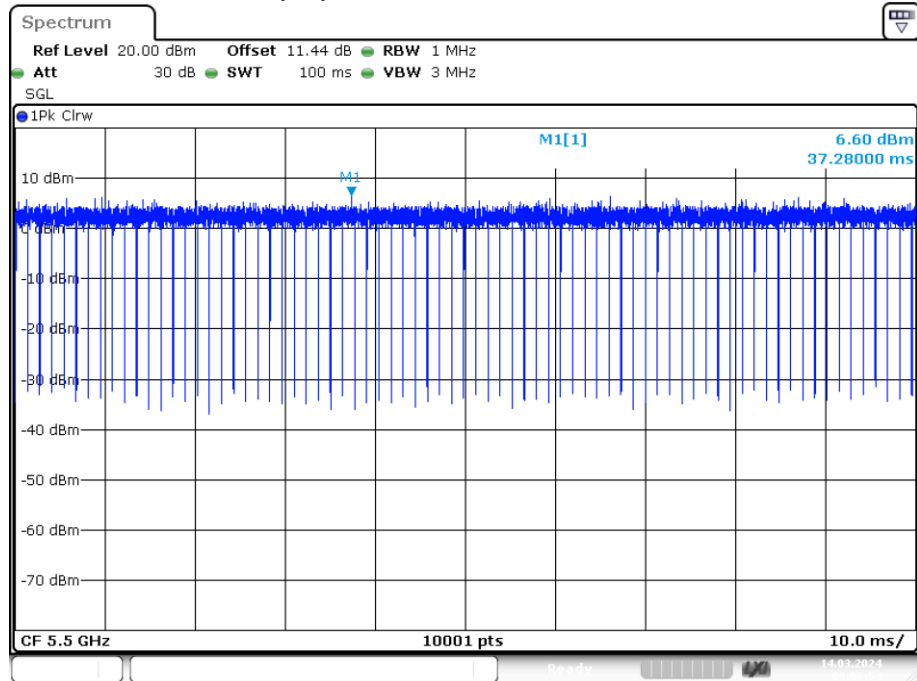
Date: 14.MAR.2024 09:50:37

Duty Cycle NVNT ac80 5530MHz Ant B



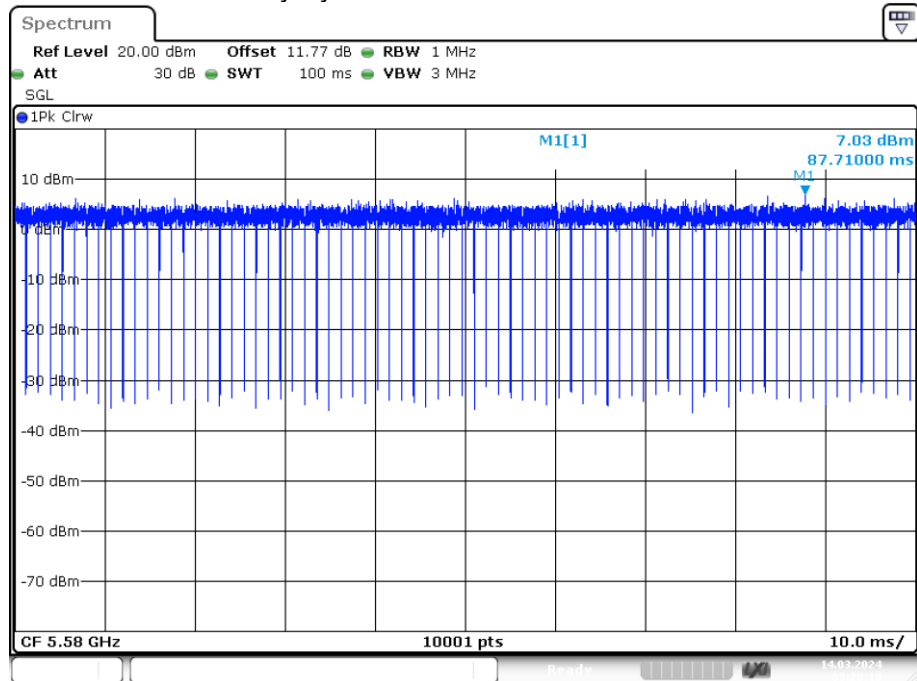
Date: 14.MAR.2024 09:55:02

Duty Cycle NVNT n20 5500MHz Ant B



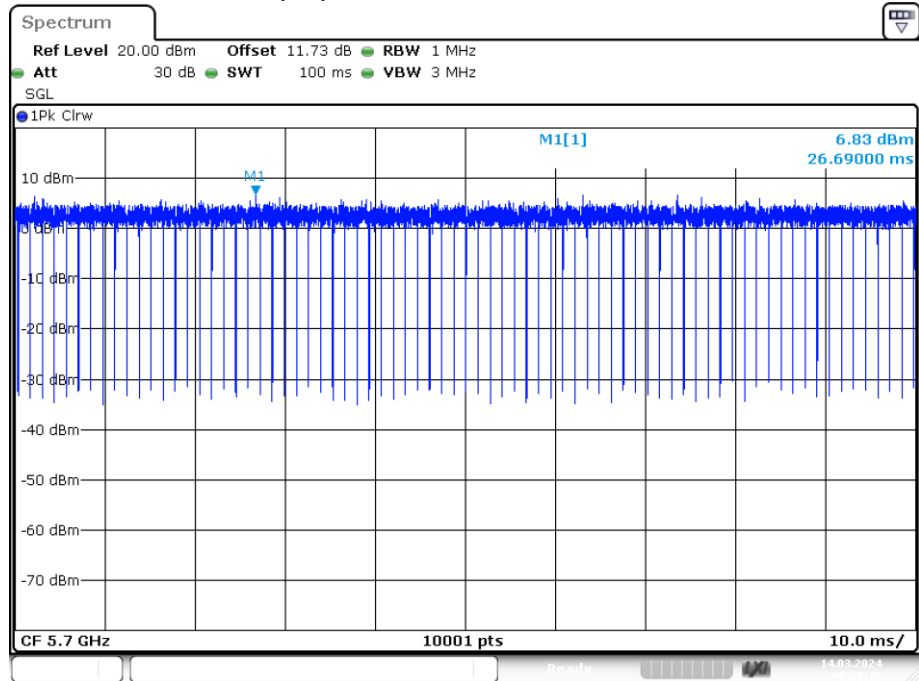
Date: 14.MAR.2024 09:06:53

Duty Cycle NVNT n20 5580MHz Ant B



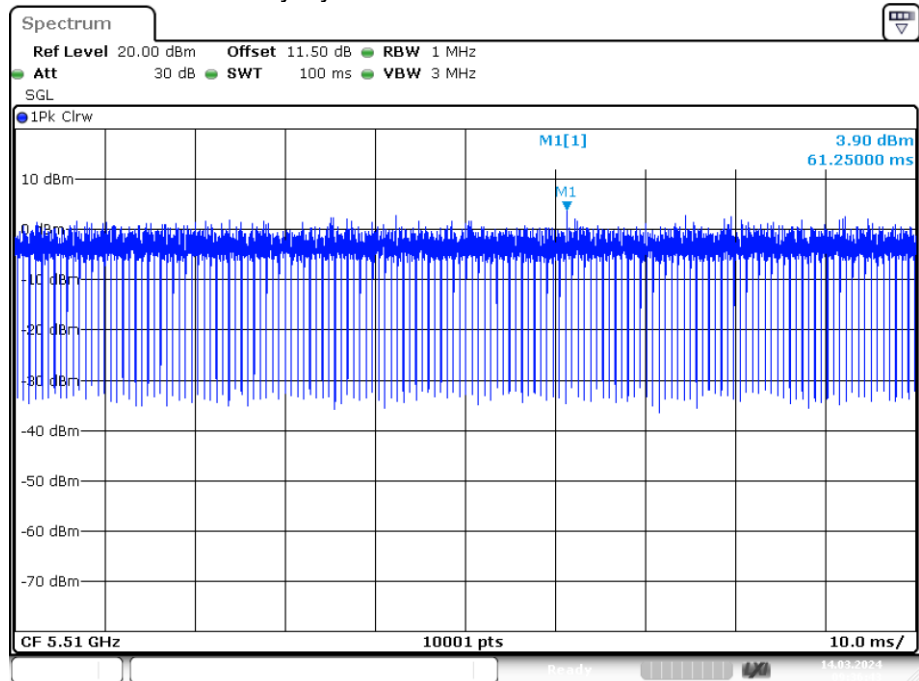
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Duty Cycle NVNT n20 5700MHz Ant B



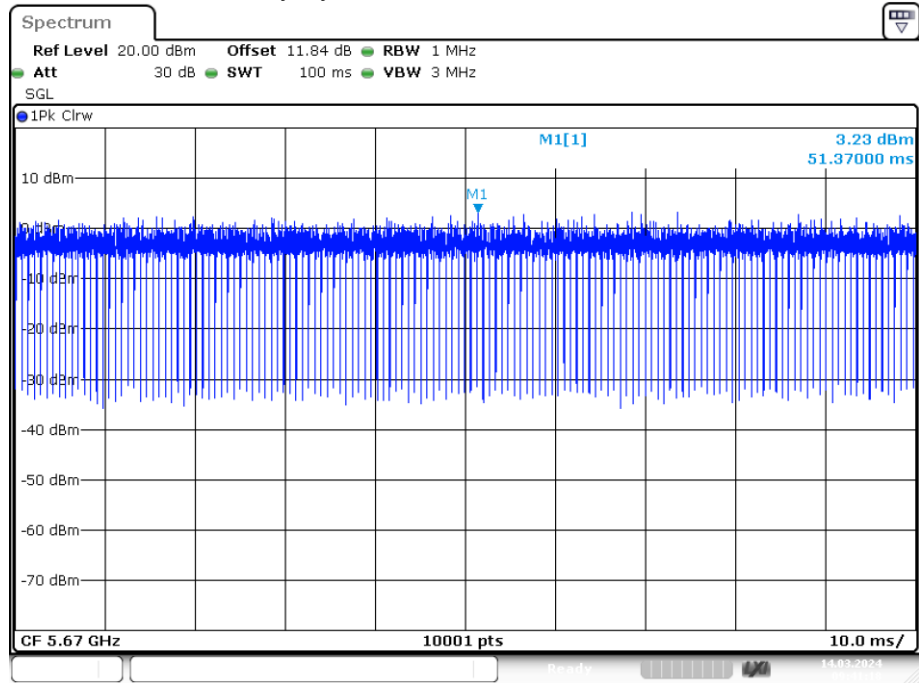
Date: 14.MAR.2024 09:23:16

Duty Cycle NVNT n40 5510MHz Ant B



Date: 14.MAR.2024 09:36:42

Duty Cycle NVNT n40 5670MHz Ant B



Date: 14.MAR.2024 09:41:18

Condition	Mode	Frequency (MHz)	Antenna	EIRP (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5500	MIMO	18.217	22.99	Pass
NVNT	ac20	5580	MIMO	18.253	22.99	Pass
NVNT	ac20	5700	MIMO	18.488	22.99	Pass
NVNT	ac40	5510	MIMO	17.810	22.99	Pass
NVNT	ac40	5670	MIMO	17.733	22.99	Pass
NVNT	ac80	5530	MIMO	18.238	22.99	Pass
NVNT	n20	5500	MIMO	18.327	22.99	Pass
NVNT	n20	5580	MIMO	18.320	22.99	Pass
NVNT	n20	5700	MIMO	17.894	22.99	Pass
NVNT	n40	5510	MIMO	18.295	22.99	Pass
NVNT	n40	5670	MIMO	18.117	22.99	Pass

Note: 1. Directional gain=8.01dBi, so the Conducted Power Limit need to reduce 1.01.

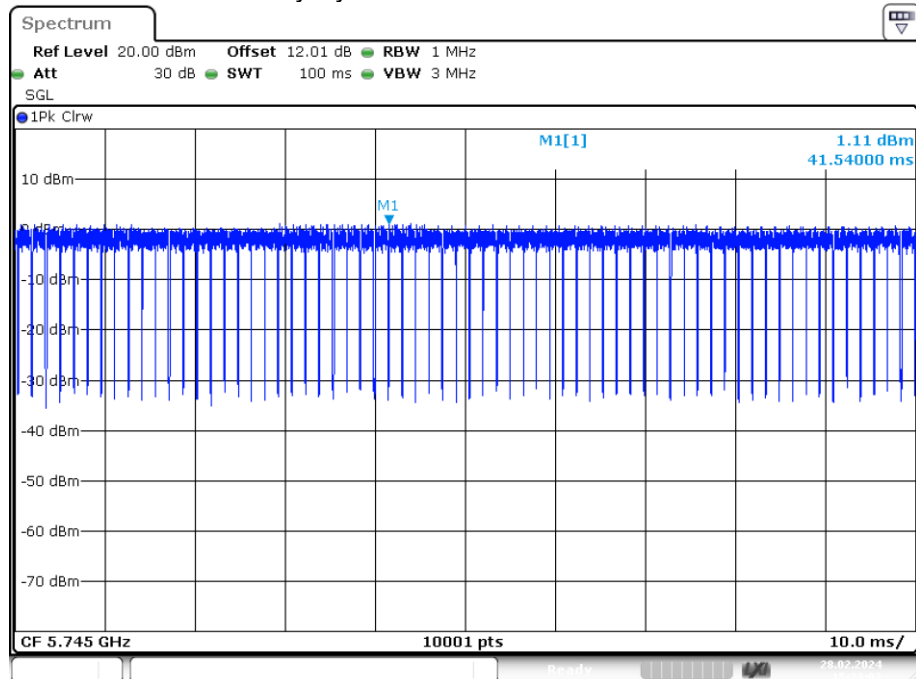
Band 4 (5725 – 5850 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant A	15.363	30	Pass
NVNT	a	5785	Ant A	15.727	30	Pass
NVNT	a	5825	Ant A	15.111	30	Pass
NVNT	ac20	5745	Ant A	16.055	30	Pass
NVNT	ac20	5785	Ant A	15.247	30	Pass
NVNT	ac20	5825	Ant A	15.847	30	Pass
NVNT	ac40	5755	Ant A	15.912	30	Pass
NVNT	ac40	5795	Ant A	16.014	30	Pass
NVNT	ac80	5775	Ant A	15.098	30	Pass
NVNT	n20	5745	Ant A	15.13	30	Pass
NVNT	n20	5785	Ant A	15.441	30	Pass
NVNT	n20	5825	Ant A	15.54	30	Pass
NVNT	n40	5755	Ant A	15.444	30	Pass
NVNT	n40	5795	Ant A	16.061	30	Pass

Duty Cycle

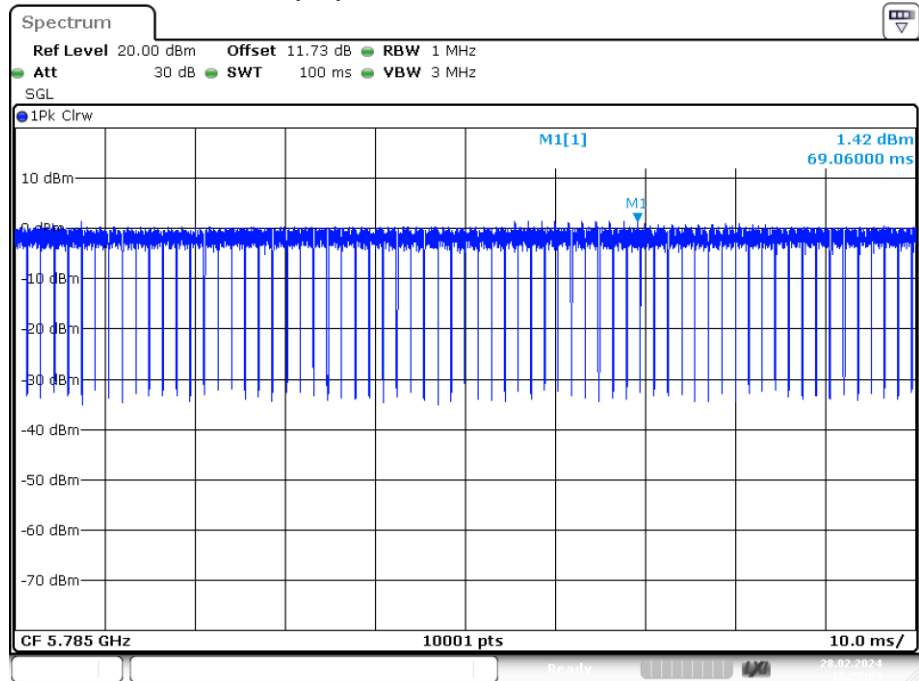
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)
NVNT	a	5745	Ant A	93.96
NVNT	a	5785	Ant A	93.85
NVNT	a	5825	Ant A	93.4
NVNT	ac20	5745	Ant A	93.45
NVNT	ac20	5785	Ant A	93.54
NVNT	ac20	5825	Ant A	93.75
NVNT	ac40	5755	Ant A	87.62
NVNT	ac40	5795	Ant A	87.01
NVNT	ac80	5775	Ant A	100
NVNT	n20	5745	Ant A	93.35
NVNT	n20	5785	Ant A	93.17
NVNT	n20	5825	Ant A	93.13
NVNT	n40	5755	Ant A	86.01
NVNT	n40	5795	Ant A	86.8

Duty Cycle NVNT a 5745MHz Ant A



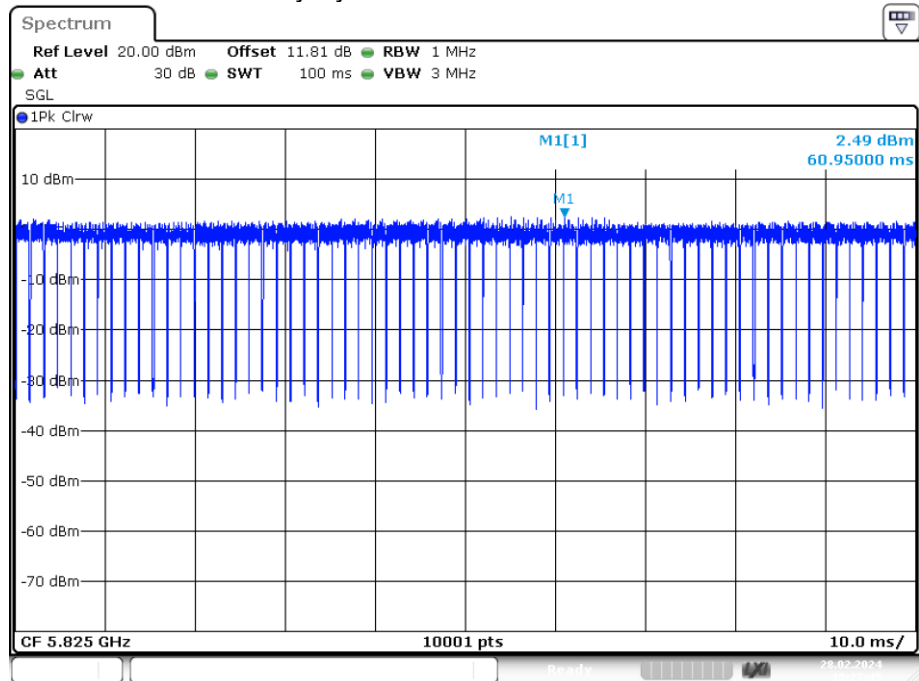
Date: 28.FEB.2024 15:23:02

Duty Cycle NVNT a 5785MHz Ant A



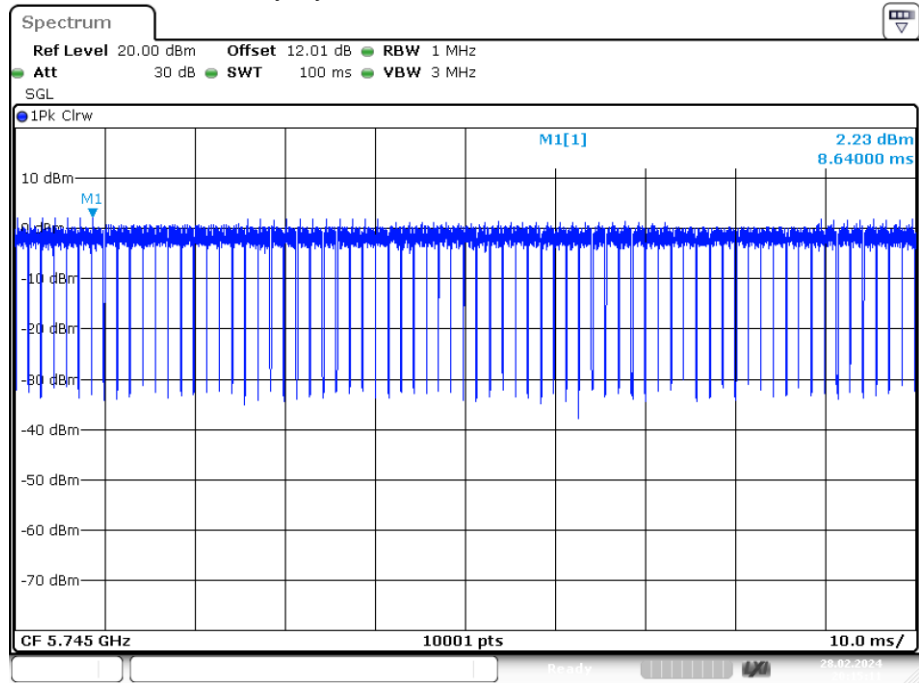
Date: 28.FEB.2024 15:25:09

Duty Cycle NVNT a 5825MHz Ant A



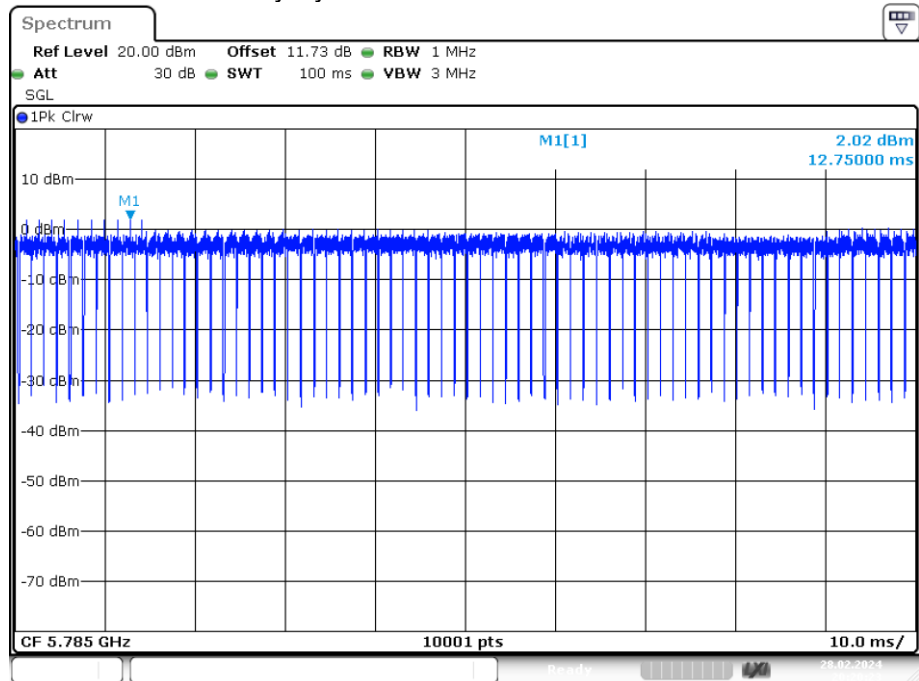
Date: 28.FEB.2024 15:27:45

Duty Cycle NVNT ac20 5745MHz Ant A



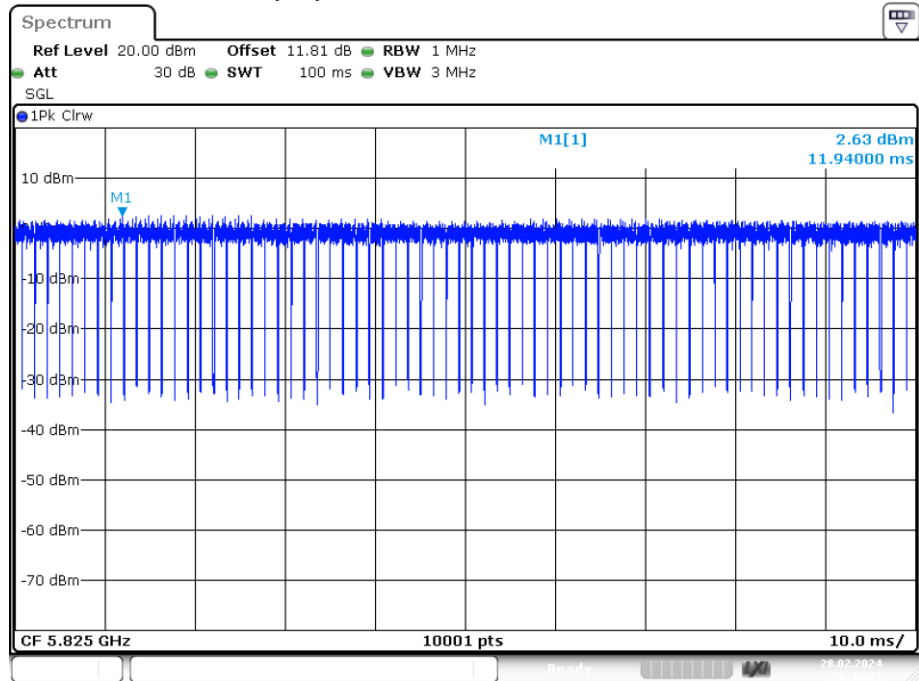
Date: 28.FEB.2024 20:15:12

Duty Cycle NVNT ac20 5785MHz Ant A



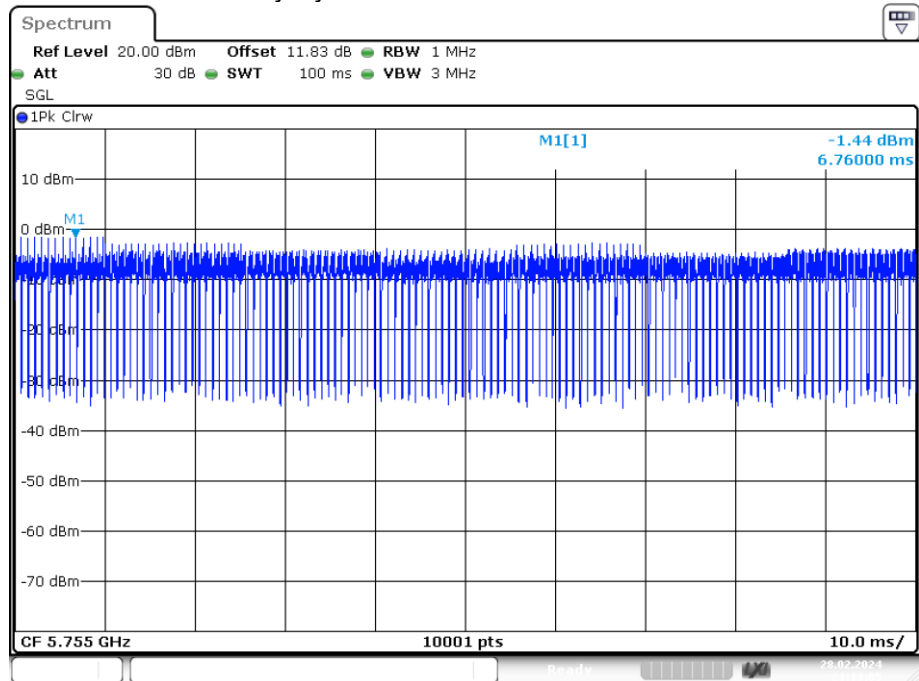
Date: 28.FEB.2024 20:20:24

Duty Cycle NVNT ac20 5825MHz Ant A



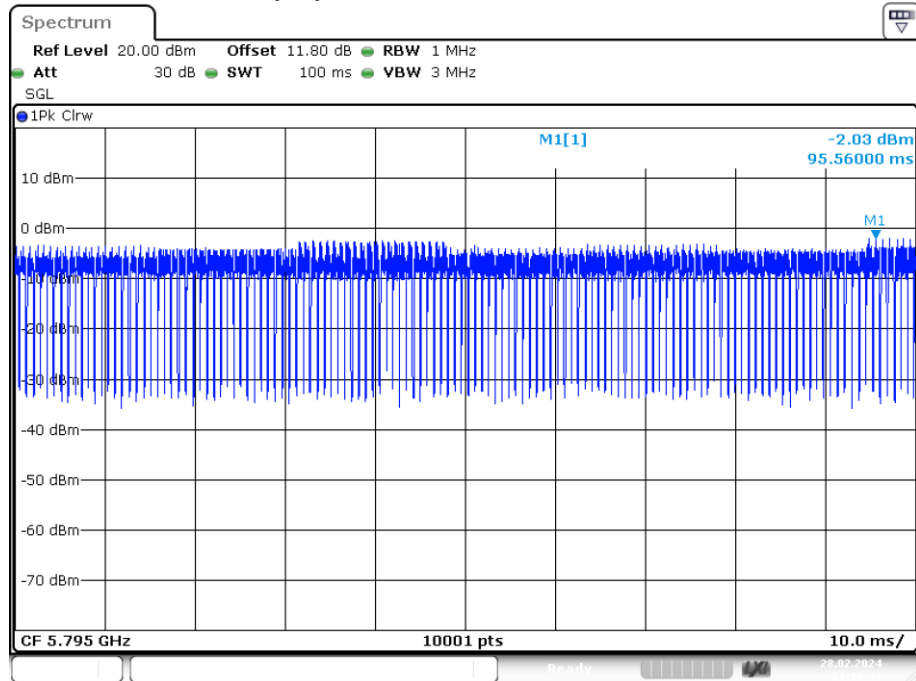
Date: 28.FEB.2024 20:44:02

Duty Cycle NVNT ac40 5755MHz Ant A



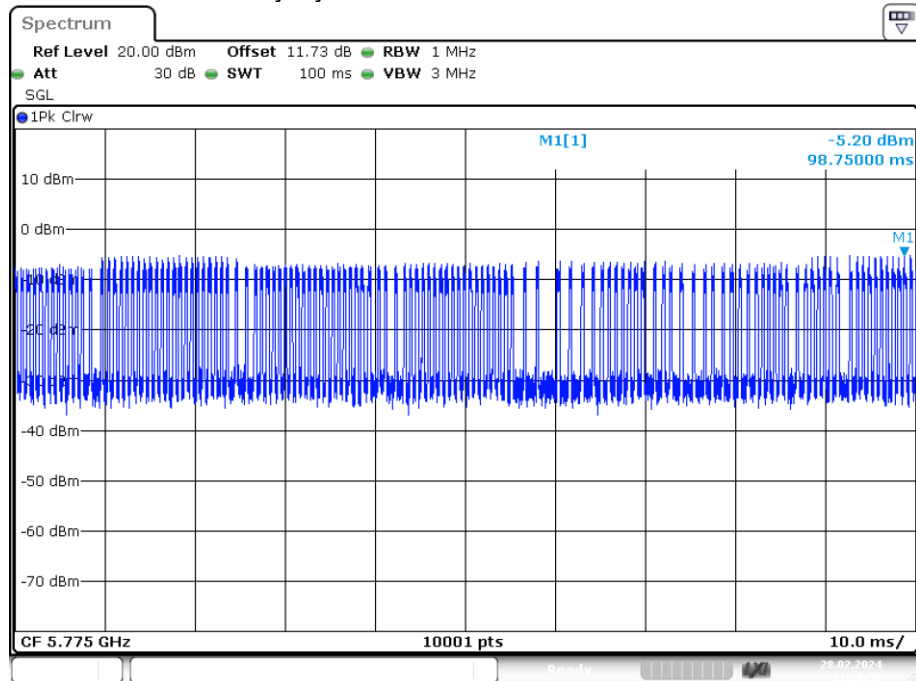
Date: 28.FEB.2024 21:13:05

Duty Cycle NVNT ac40 5795MHz Ant A



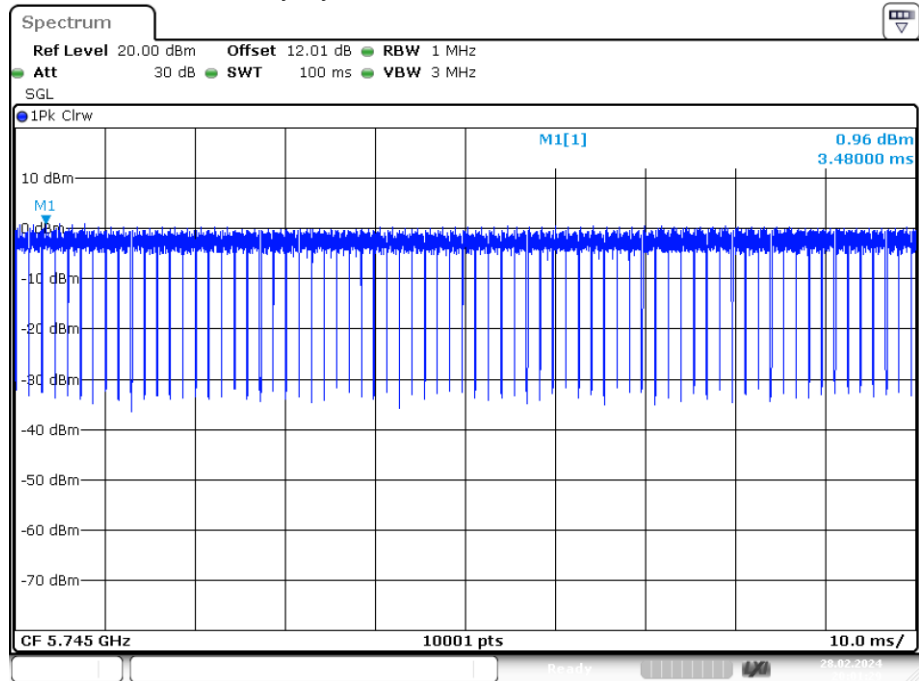
Date: 28.FEB.2024 21:19:48

Duty Cycle NVNT ac80 5775MHz Ant A



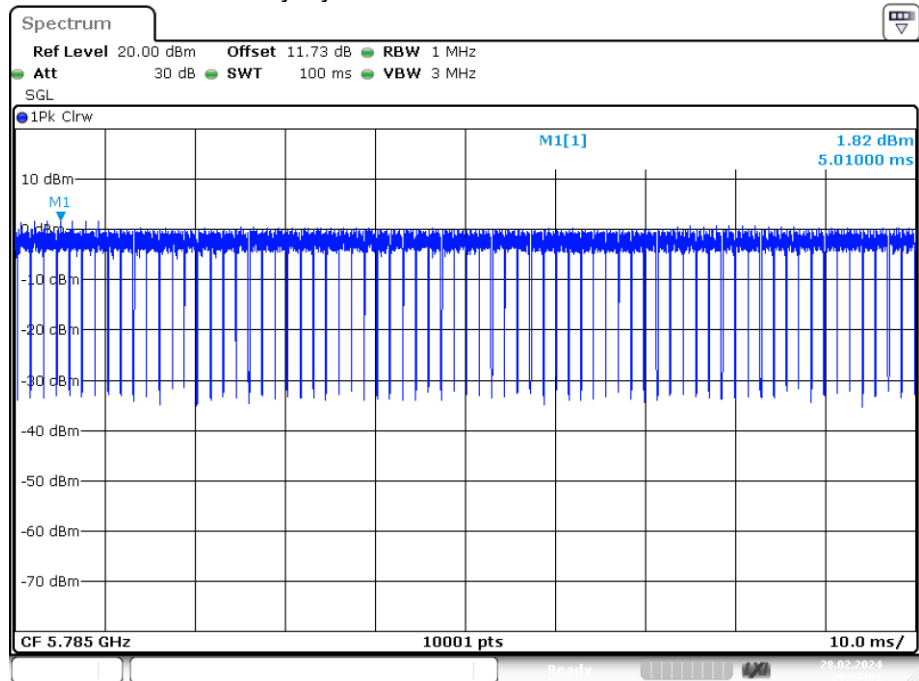
Date: 28.FEB.2024 21:25:56

Duty Cycle NVNT n20 5745MHz Ant A



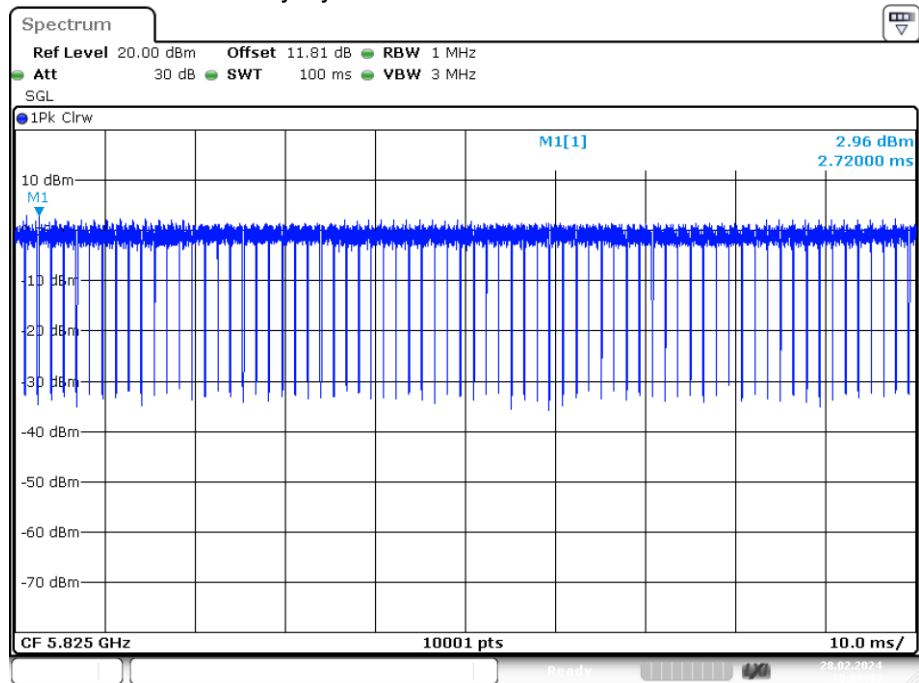
Date: 28.FEB.2024 20:01:28

Duty Cycle NVNT n20 5785MHz Ant A



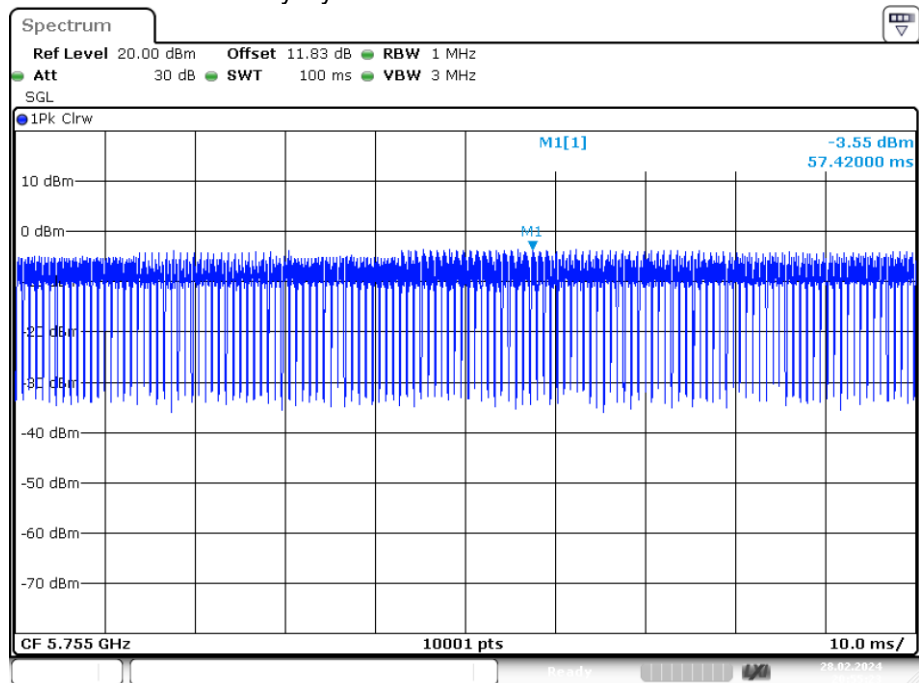
Date: 28.FEB.2024 20:07:00

Duty Cycle NVNT n20 5825MHz Ant A



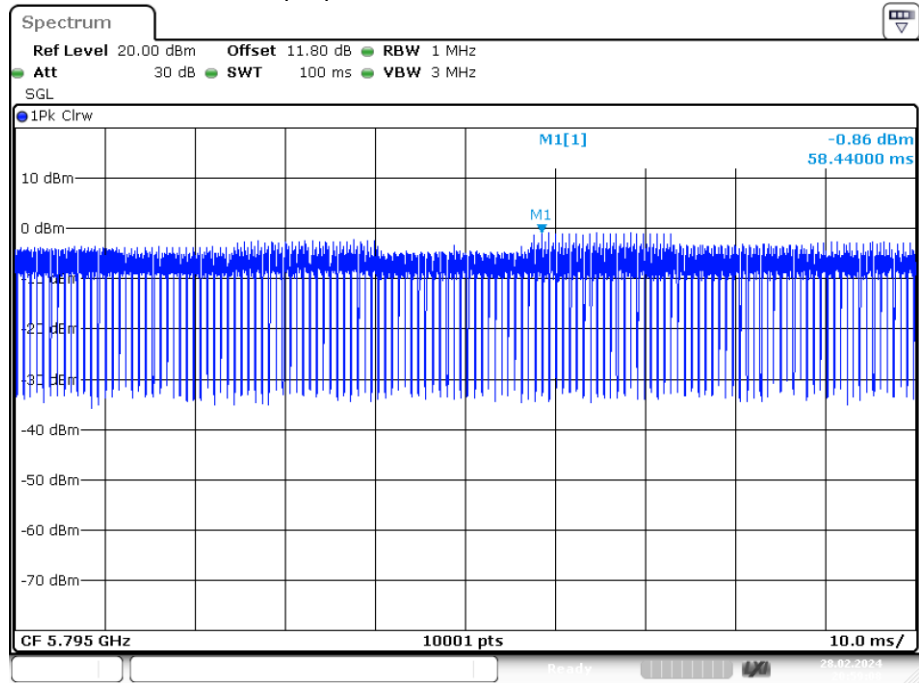
Date: 28.FEB.2024 20:09:42

Duty Cycle NVNT n40 5755MHz Ant A



Date: 28.FEB.2024 20:55:23

Duty Cycle NVNT n40 5795MHz Ant A



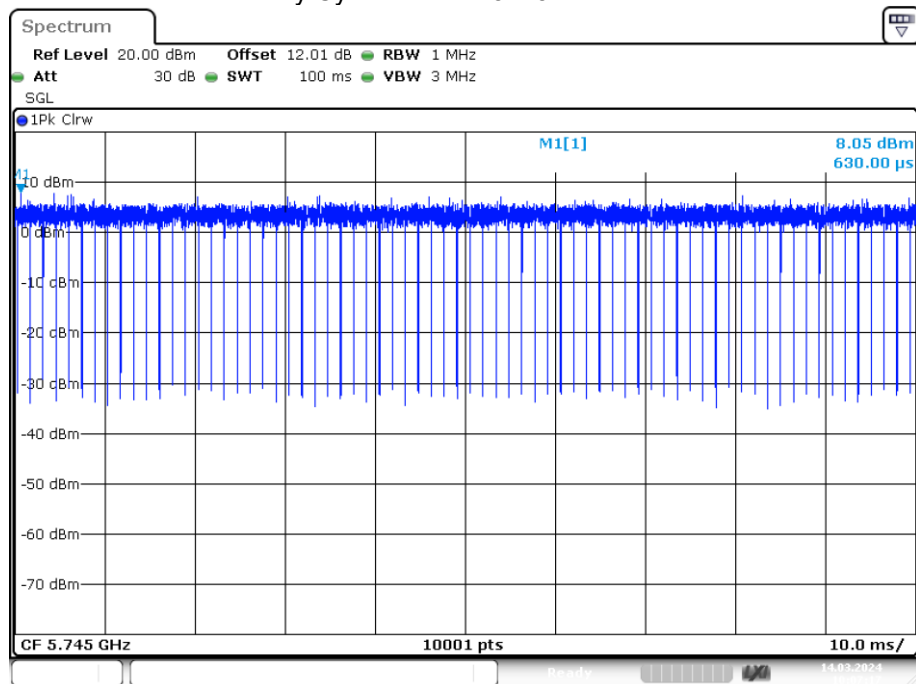
Date: 28.FEB.2024 20:59:07

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant B	14.691	30	Pass
NVNT	a	5785	Ant B	14.494	30	Pass
NVNT	a	5825	Ant B	14.628	30	Pass
NVNT	ac20	5745	Ant B	15.153	30	Pass
NVNT	ac20	5785	Ant B	14.899	30	Pass
NVNT	ac20	5825	Ant B	15.273	30	Pass
NVNT	ac40	5755	Ant B	15.204	30	Pass
NVNT	ac40	5795	Ant B	15.159	30	Pass
NVNT	ac80	5775	Ant B	15.321	30	Pass
NVNT	n20	5745	Ant B	14.776	30	Pass
NVNT	n20	5785	Ant B	14.262	30	Pass
NVNT	n20	5825	Ant B	14.641	30	Pass
NVNT	n40	5755	Ant B	15.213	30	Pass
NVNT	n40	5795	Ant B	15.179	30	Pass

Duty Cycle

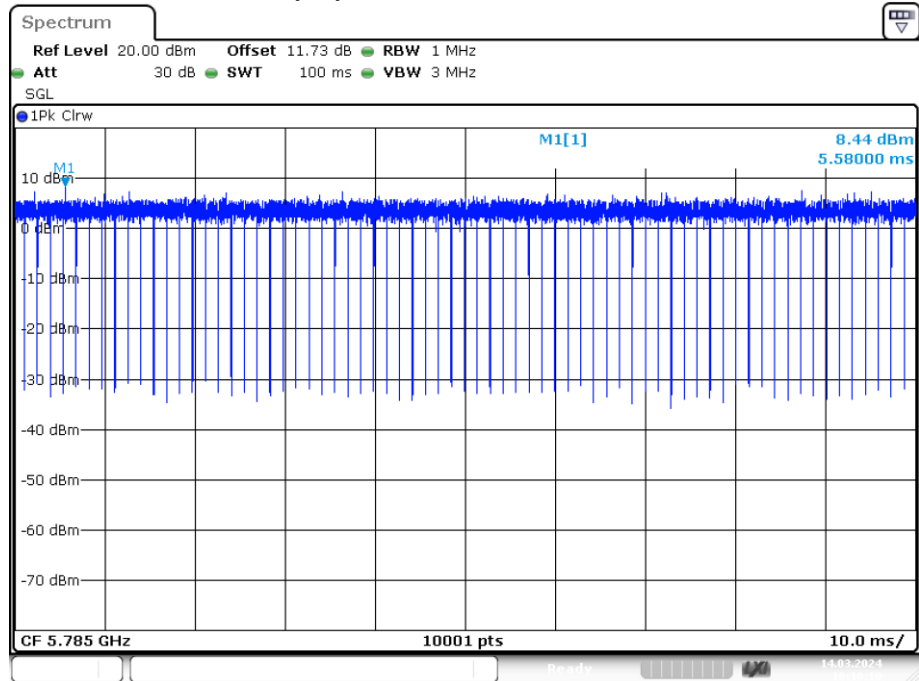
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)
NVNT	a	5745	Ant B	97.64
NVNT	a	5785	Ant B	97.66
NVNT	a	5825	Ant B	97.63
NVNT	ac20	5745	Ant B	97.53
NVNT	ac20	5785	Ant B	97.48
NVNT	ac20	5825	Ant B	97.49
NVNT	ac40	5755	Ant B	95.18
NVNT	ac40	5795	Ant B	95.19
NVNT	ac80	5775	Ant B	100
NVNT	n20	5745	Ant B	97.49
NVNT	n20	5785	Ant B	97.48
NVNT	n20	5825	Ant B	97.47
NVNT	n40	5755	Ant B	95.14
NVNT	n40	5795	Ant B	95.09

Duty Cycle NVNT a 5745MHz Ant B



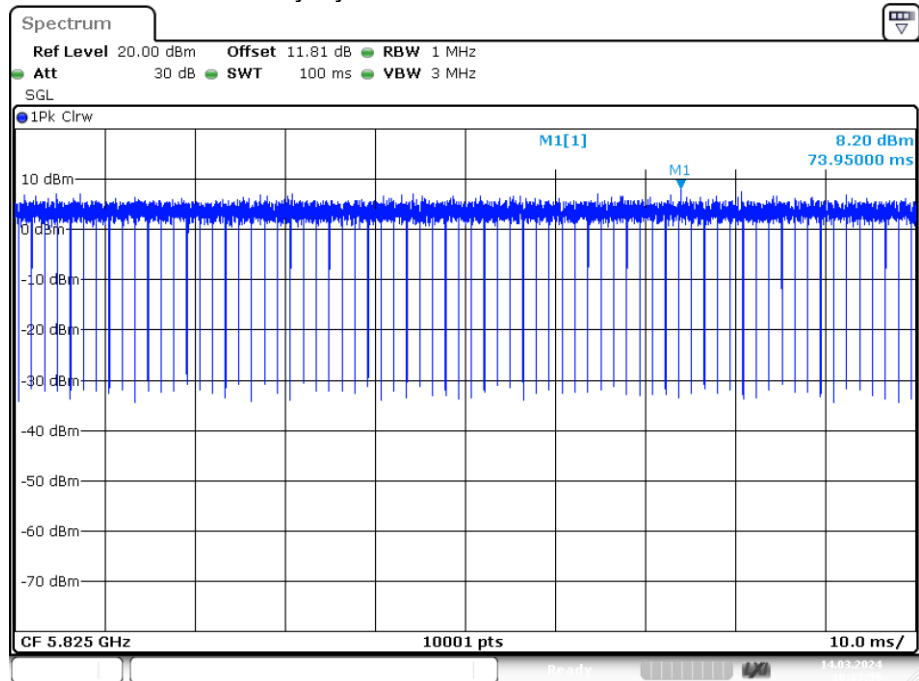
Date: 14.MAR.2024 10:07:17

Duty Cycle NVNT a 5785MHz Ant B



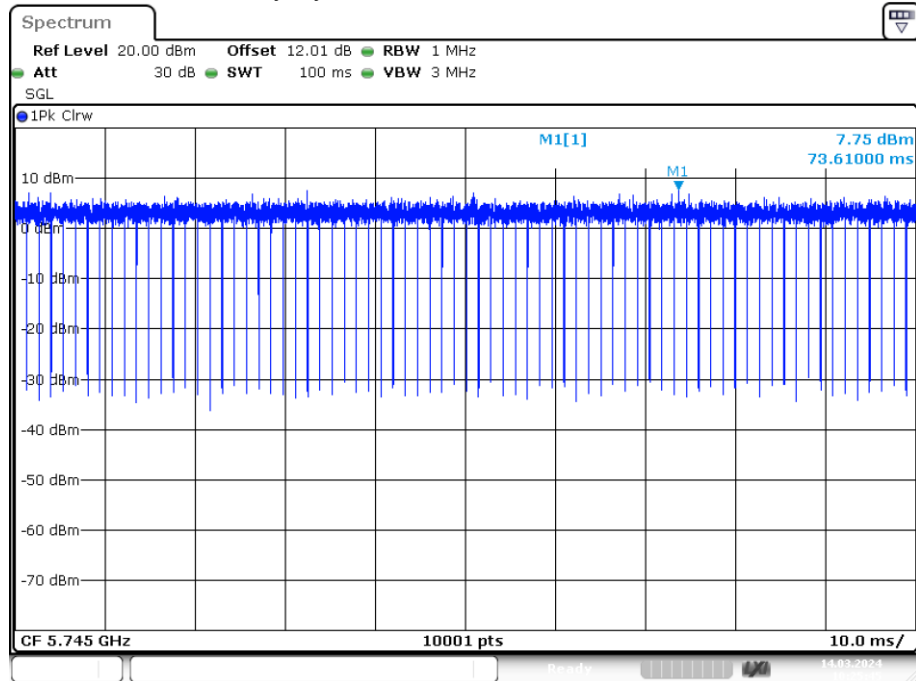
Date: 14.MAR.2024 10:10:11

Duty Cycle NVNT a 5825MHz Ant B



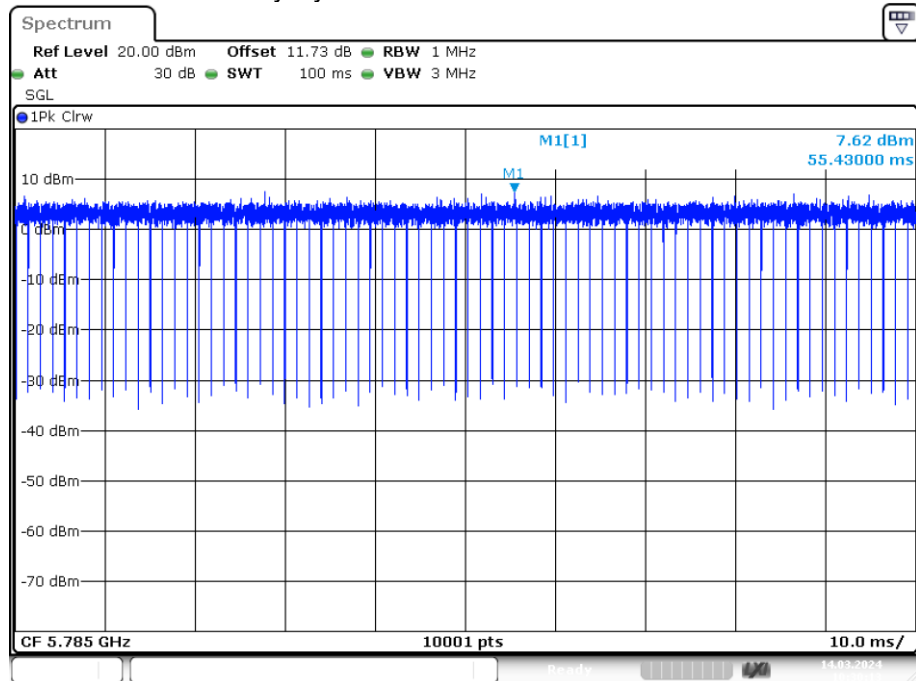
Date: 14.MAR.2024 10:13:59

Duty Cycle NVNT ac20 5745MHz Ant B



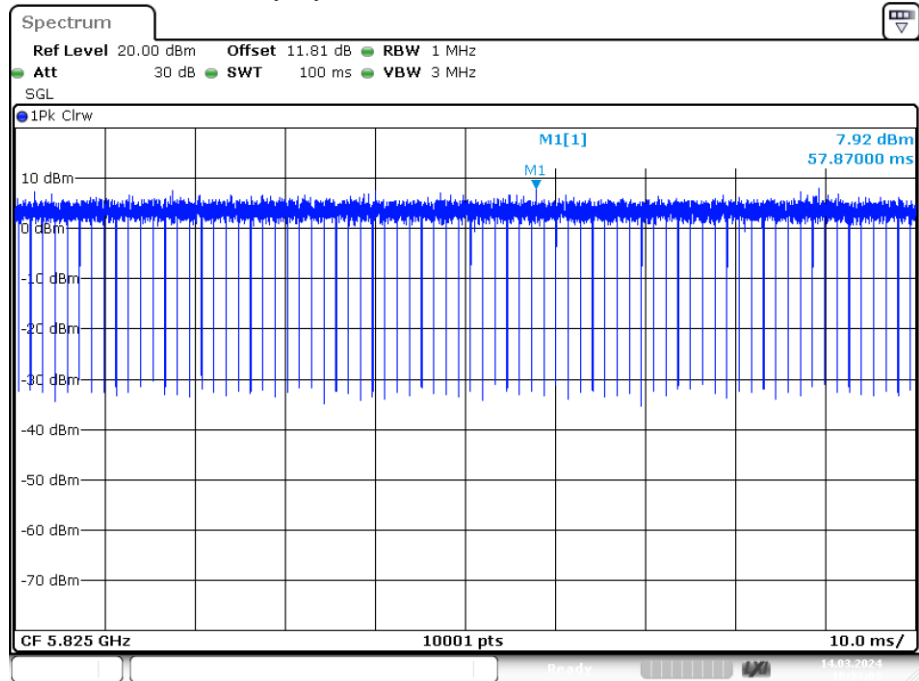
Date: 14.MAR.2024 10:25:45

Duty Cycle NVNT ac20 5785MHz Ant B



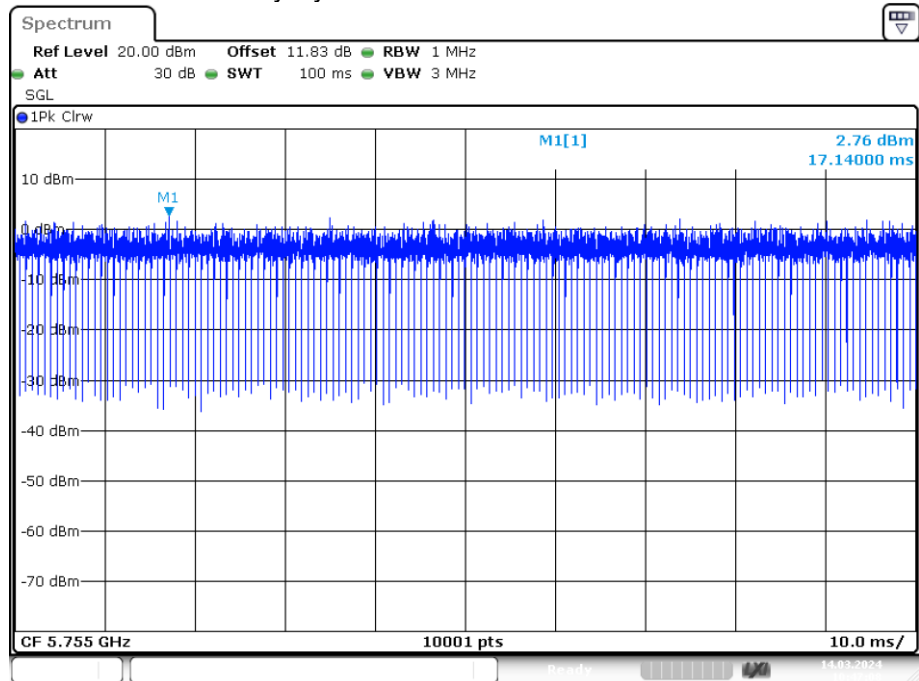
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Duty Cycle NVNT ac20 5825MHz Ant B



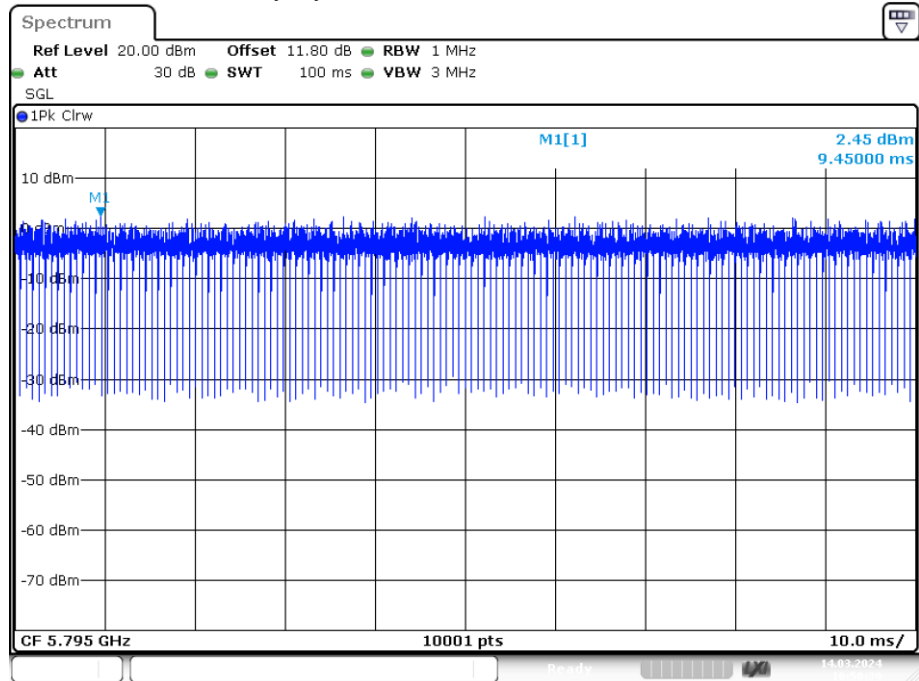
Date: 14.MAR.2024 10:33:09

Duty Cycle NVNT ac40 5755MHz Ant B



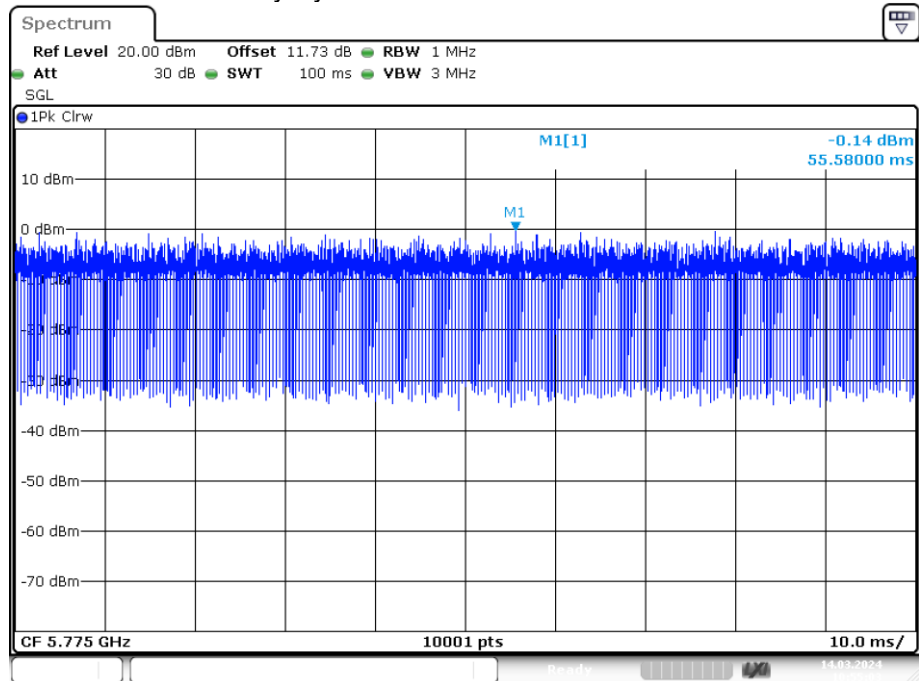
Date: 14.MAR.2024 10:47:08

Duty Cycle NVNT ac40 5795MHz Ant B



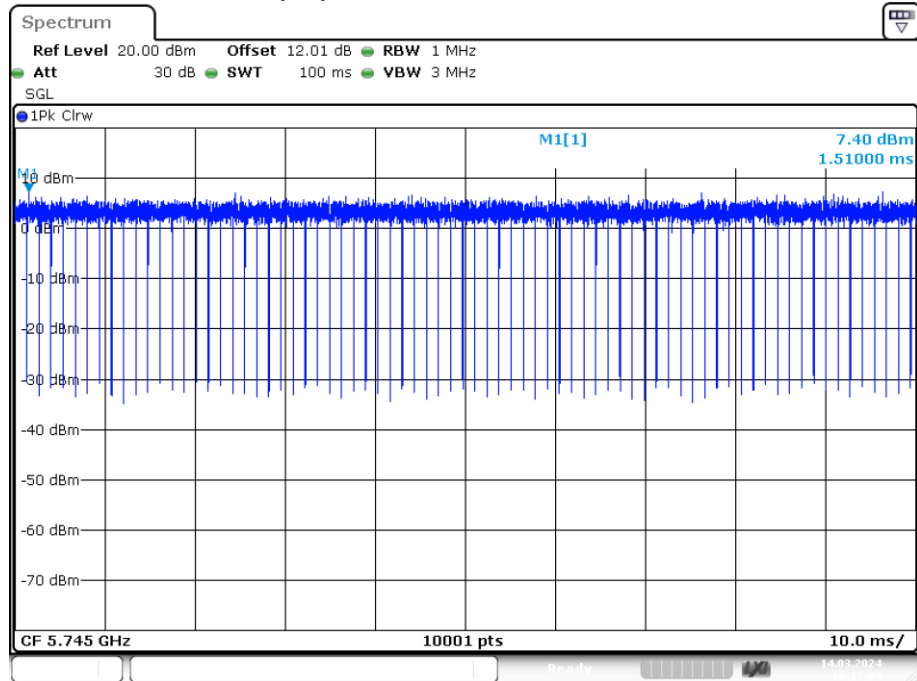
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Duty Cycle NVNT ac80 5775MHz Ant B



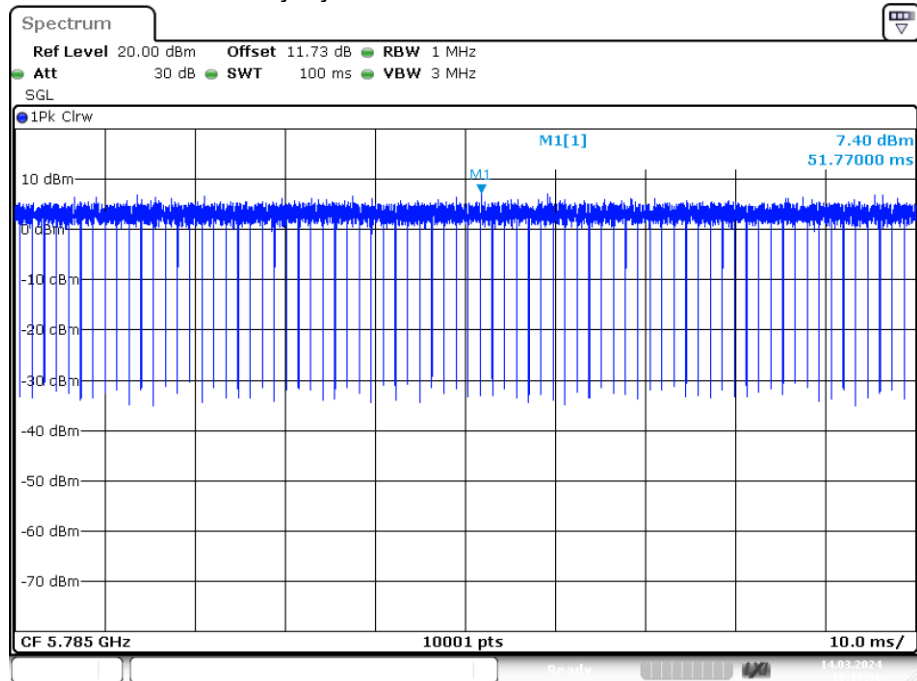
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Duty Cycle NVNT n20 5745MHz Ant B



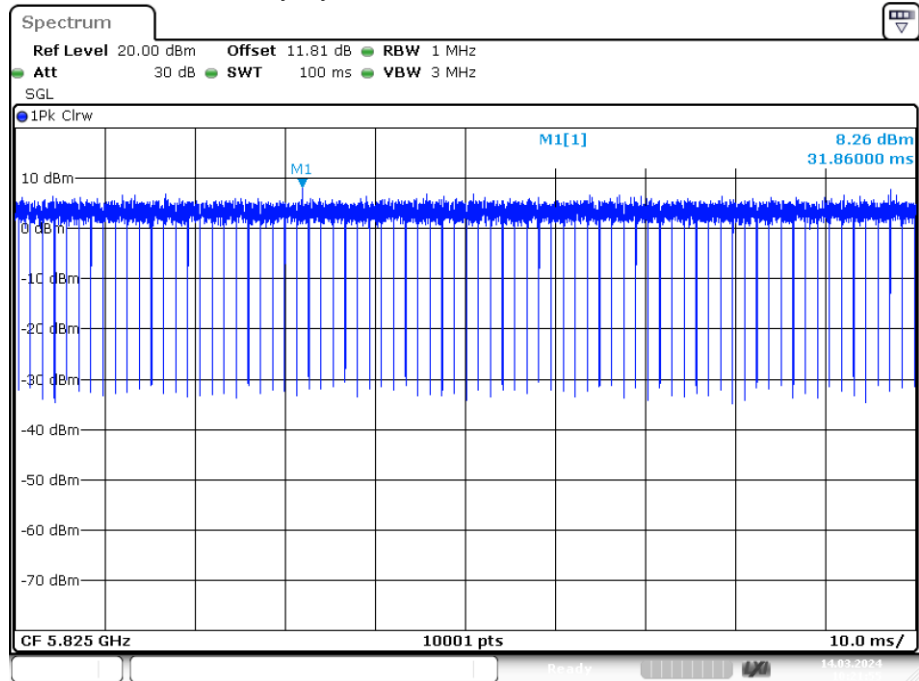
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Duty Cycle NVNT n20 5785MHz Ant B



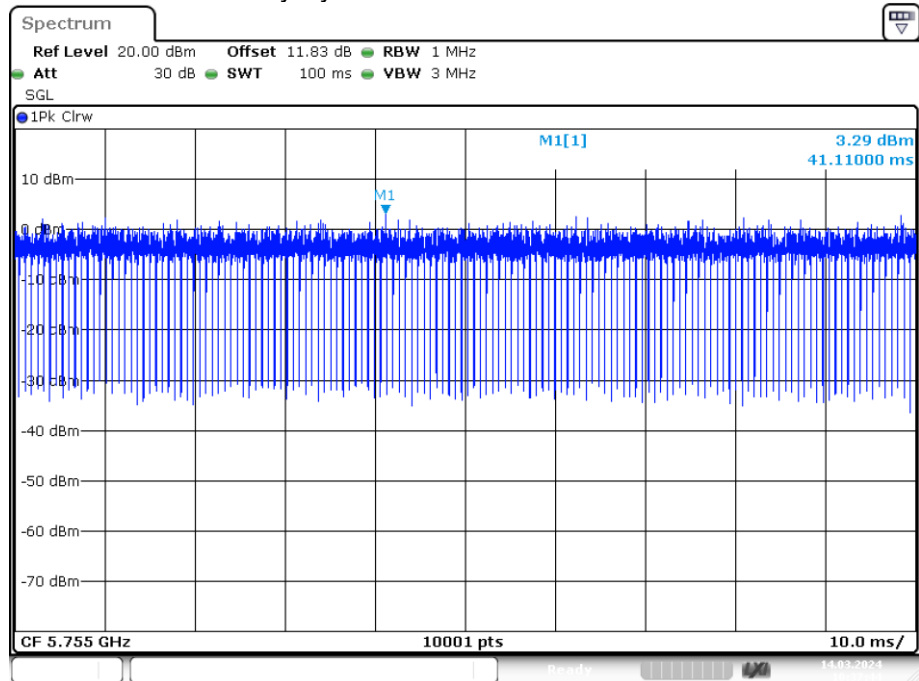
Date: 14.MAR.2024 10:19:36

Duty Cycle NVNT n20 5825MHz Ant B



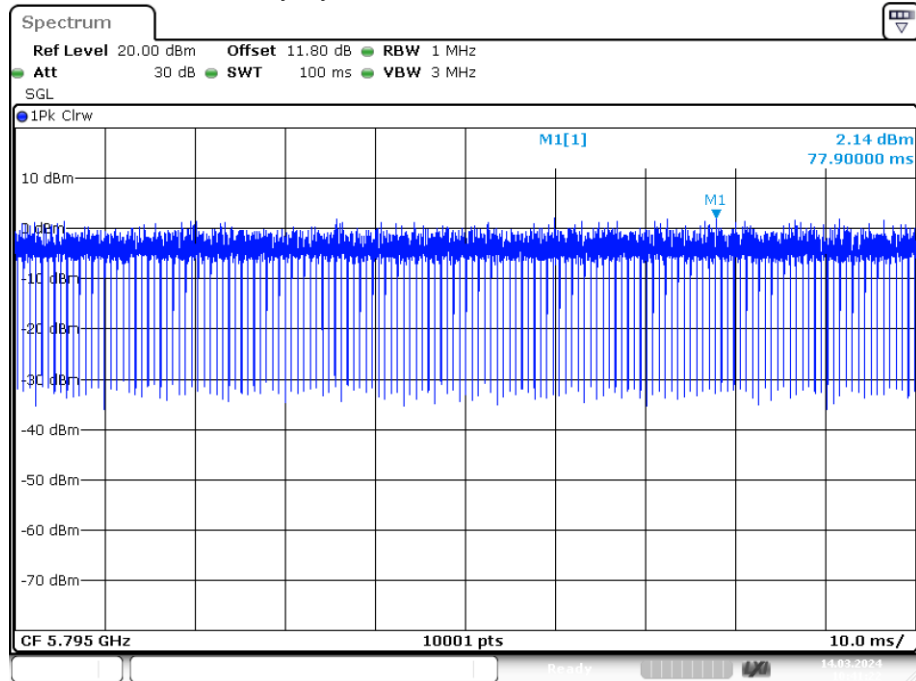
Date: 14.MAR.2024 10:21:54

Duty Cycle NVNT n40 5755MHz Ant B



Date: 14.MAR.2024 10:37:45

Duty Cycle NVNT n40 5795MHz Ant B

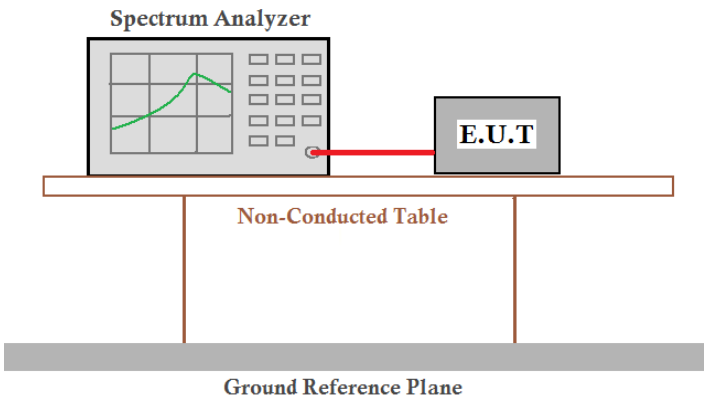


Date: 14.MAR.2024 10:41:22

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5745	MIMO	18.638	28.99	Pass
NVNT	ac20	5785	MIMO	18.087	28.99	Pass
NVNT	ac20	5825	MIMO	18.580	28.99	Pass
NVNT	ac40	5755	MIMO	18.583	28.99	Pass
NVNT	ac40	5795	MIMO	18.618	28.99	Pass
NVNT	ac80	5775	MIMO	18.221	28.99	Pass
NVNT	n20	5745	MIMO	17.967	28.99	Pass
NVNT	n20	5785	MIMO	17.902	28.99	Pass
NVNT	n20	5825	MIMO	18.124	28.99	Pass
NVNT	n40	5755	MIMO	18.340	28.99	Pass
NVNT	n40	5795	MIMO	18.653	28.99	Pass

Note: 1. Directional gain=8.01dBi, so the Conducted Power Limit need to reduce1.01.

4.5 Power Spectral Density

Test Requirement:	FCC Part15 E Section 15.407
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	FCC: 1. $\leq 11.00\text{dBm/MHz}$ for 5150MHz-5250MHz, 5250-5350MHz and 5470-5725 MHz 2. $\leq 30.00\text{dBm/500KHz}$ for 5725MHz-5850MHz IC: 1. For the 5.15-5.25 GHz, The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band. 2. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.
Test procedure:	1) Create an average power spectrum for the EUT operating mode being tested by following the instructions in section E)2) for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, "Compute power...". 2) Use the peak search function on the instrument to find the peak of the spectrum. 3) Make the following adjustments to the peak value of the spectrum, if applicable: a) If Method SA-2 or SA-2 Alternative was used, add $10 \log(1/x)$, where x is the duty cycle, to the peak of the spectrum. b) If Method SA-3 Alternative was used and the linear mode was used in step E)2)g)(viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging. 4) The result is the PSD. 5) 1. Antenna assembly gain G in dBi of the individual antenna. 2. $\text{EIRP PSD} = \text{Max PSD} + G$ (When testing, the line loss has already been added to the antenna gain, so the test result is EIRP PSD)
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Measurement Data**Band 1 (5150-5250 MHz)**

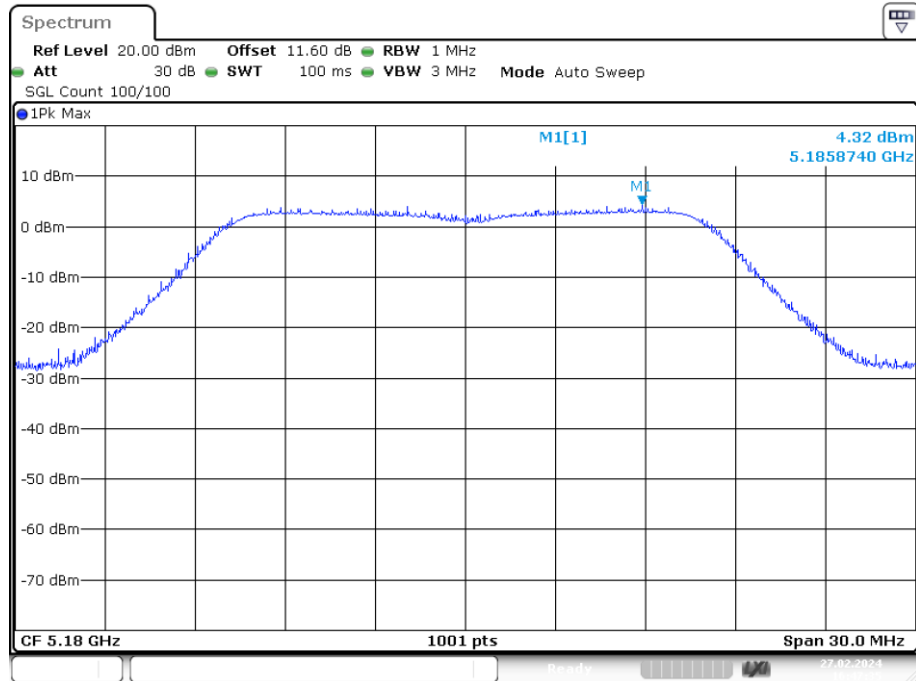
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant A	4.32	11	Pass
NVNT	a	5200	Ant A	3.752	11	Pass
NVNT	a	5240	Ant A	4.876	11	Pass
NVNT	ac20	5180	Ant A	3.53	11	Pass
NVNT	ac20	5200	Ant A	3.293	11	Pass
NVNT	ac20	5240	Ant A	3.889	11	Pass
NVNT	ac40	5190	Ant A	-0.438	11	Pass
NVNT	ac40	5230	Ant A	-0.364	11	Pass
NVNT	ac80	5210	Ant A	-0.64	11	Pass
NVNT	n20	5180	Ant A	3.547	11	Pass
NVNT	n20	5200	Ant A	3.784	11	Pass
NVNT	n20	5240	Ant A	5.042	11	Pass
NVNT	n40	5190	Ant A	0.921	11	Pass
NVNT	n40	5230	Ant A	0.641	11	Pass

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant B	4.572	11	Pass
NVNT	a	5200	Ant B	4.828	11	Pass
NVNT	a	5240	Ant B	5.789	11	Pass
NVNT	ac20	5180	Ant B	4.322	11	Pass
NVNT	ac20	5200	Ant B	4.512	11	Pass
NVNT	ac20	5240	Ant B	4.311	11	Pass
NVNT	ac40	5190	Ant B	1.497	11	Pass
NVNT	ac40	5230	Ant B	1.642	11	Pass
NVNT	ac80	5210	Ant B	-0.233	11	Pass
NVNT	n20	5180	Ant B	4.17	11	Pass
NVNT	n20	5200	Ant B	4.863	11	Pass
NVNT	n20	5240	Ant B	4.259	11	Pass
NVNT	n40	5190	Ant B	0.531	11	Pass
NVNT	n40	5230	Ant B	1.15	11	Pass

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5180	MIMO	6.954	9.99	Pass
NVNT	ac20	5200	MIMO	6.955	9.99	Pass
NVNT	ac20	5240	MIMO	7.115	9.99	Pass
NVNT	ac40	5190	MIMO	3.647	9.99	Pass
NVNT	ac40	5230	MIMO	3.764	9.99	Pass
NVNT	ac80	5210	MIMO	2.579	9.99	Pass
NVNT	n20	5180	MIMO	6.880	9.99	Pass
NVNT	n20	5200	MIMO	7.367	9.99	Pass
NVNT	n20	5240	MIMO	7.678	9.99	Pass
NVNT	n40	5190	MIMO	3.741	9.99	Pass
NVNT	n40	5230	MIMO	3.913	9.99	Pass

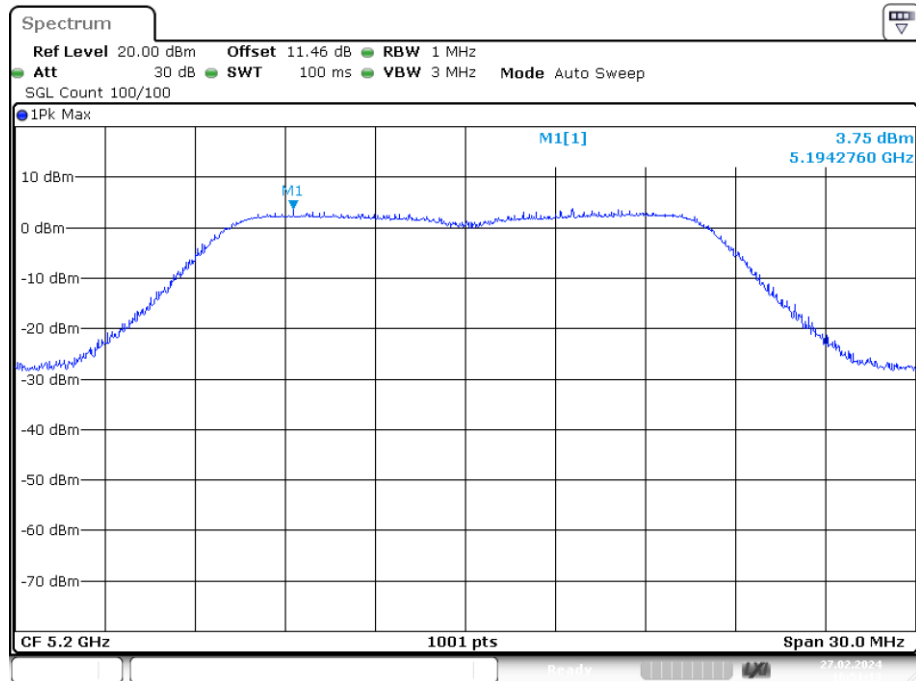
Note: 1. Directional gain=8.01dBi, so the Conducted Power Limit need to reduce 1.01.

PSD NVNT a 5180MHz Ant A



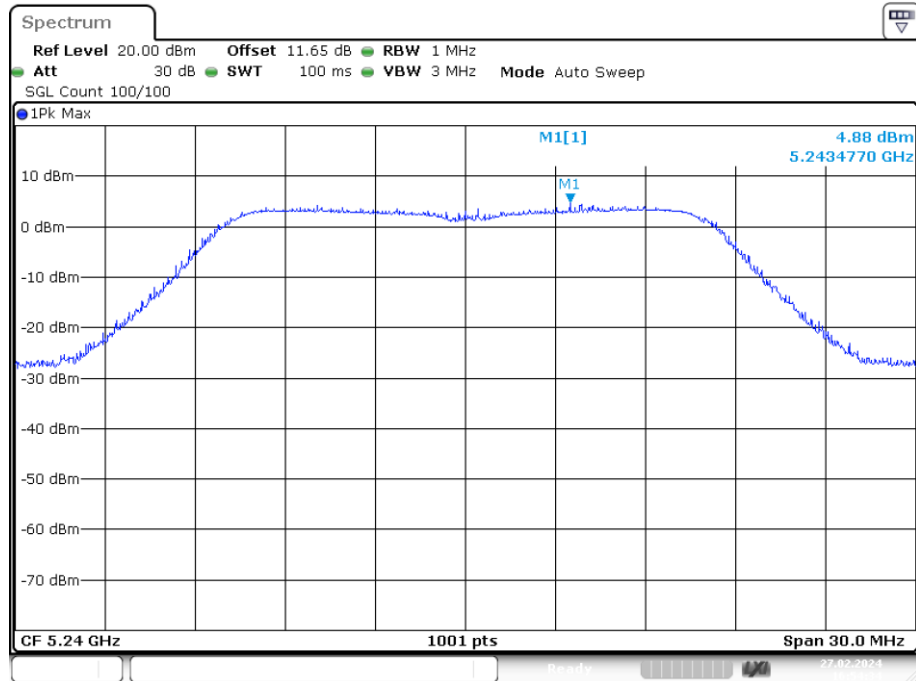
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PSD NVNT a 5200MHz Ant A



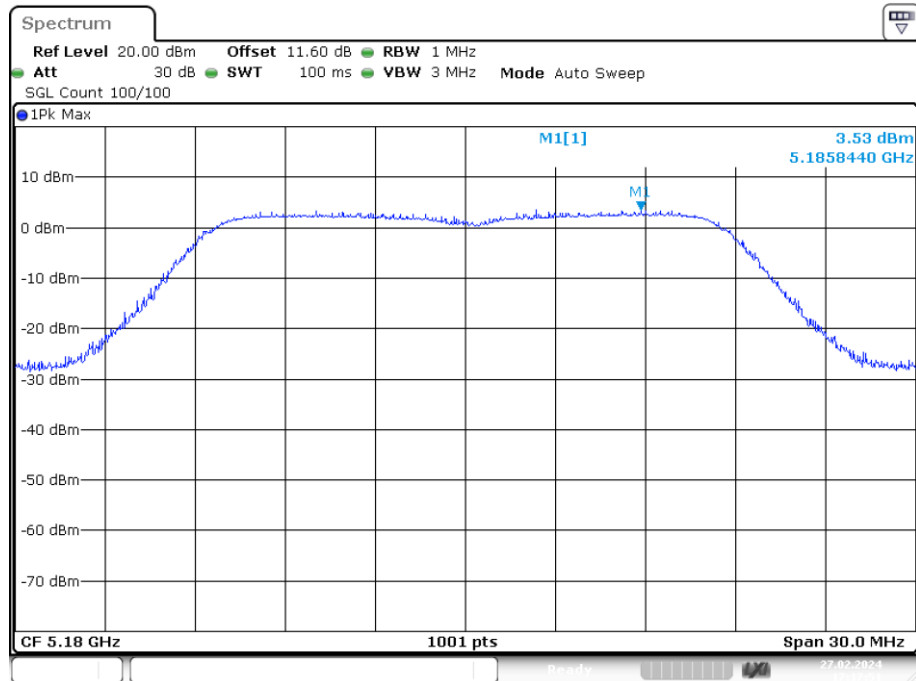
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PSD NVNT a 5240MHz Ant A



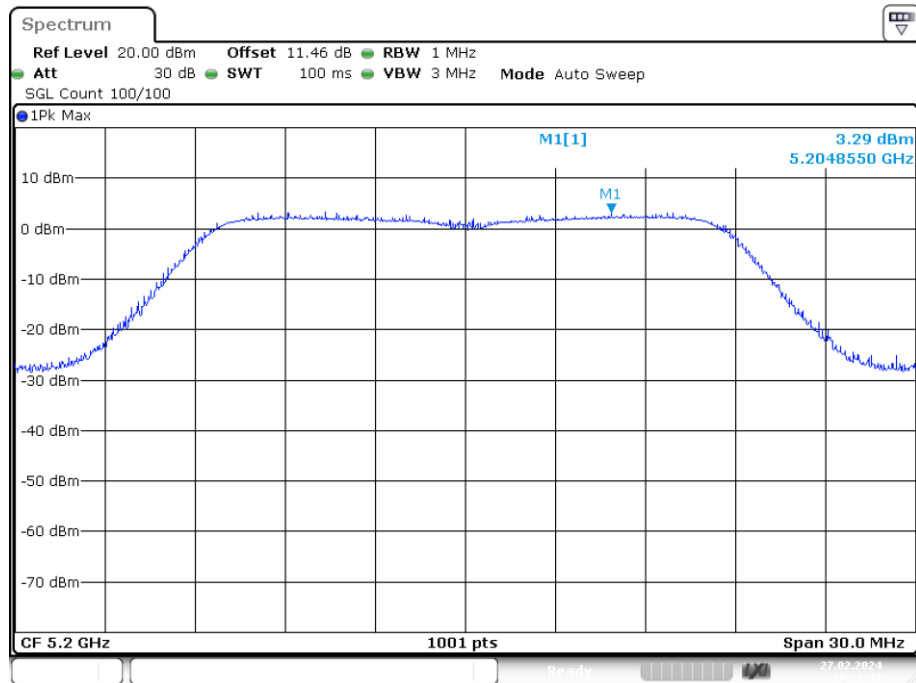
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PSD NVNT ac20 5180MHz Ant A



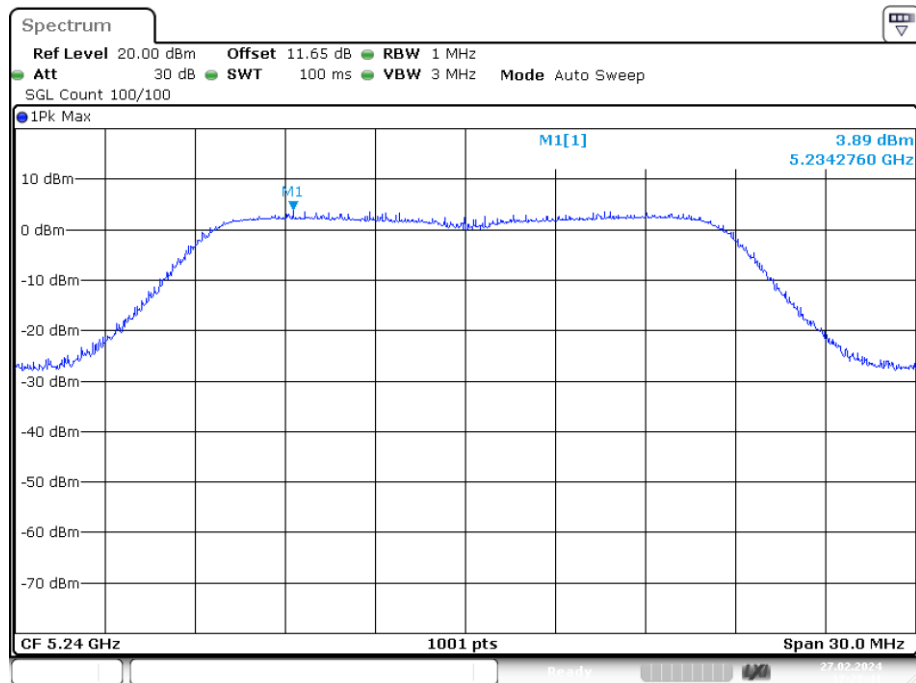
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PSD NVNT ac20 5200MHz Ant A



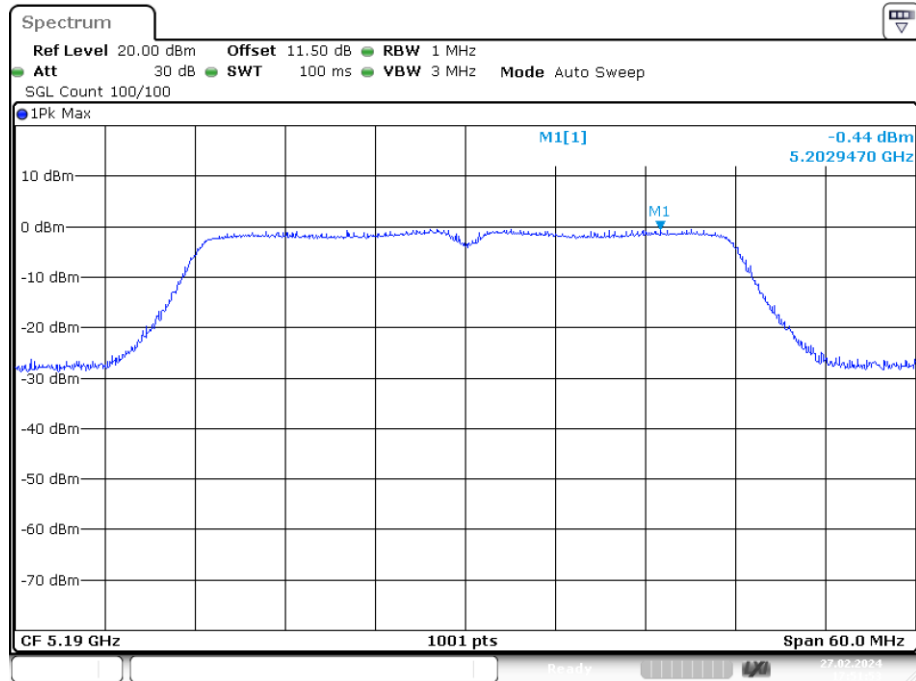
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PSD NVNT ac20 5240MHz Ant A



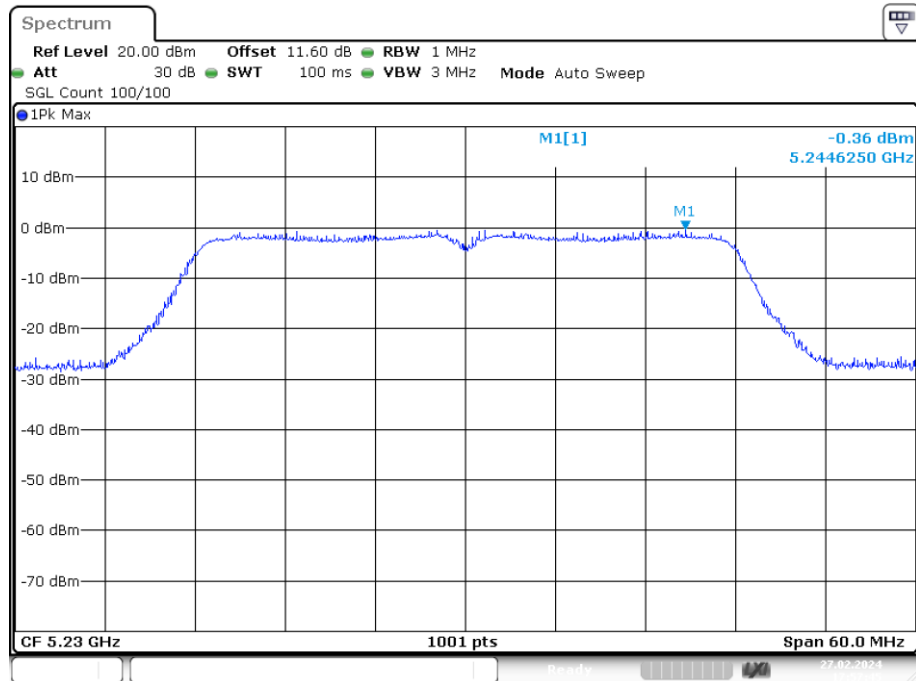
Date: 27.FEB.2024 17:27:41

PSD NVNT ac40 5190MHz Ant A



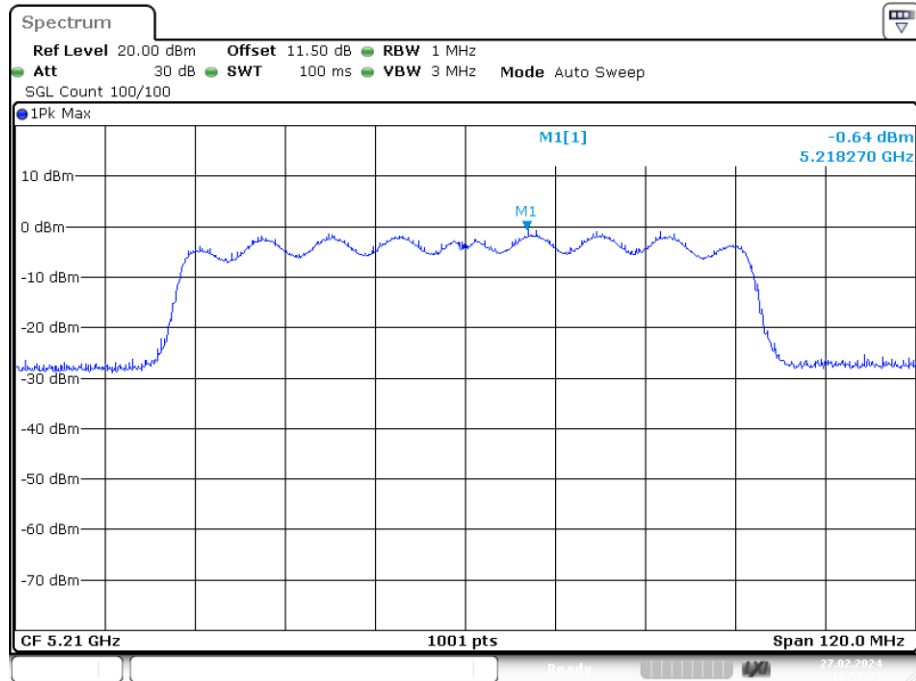
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PSD NVNT ac40 5230MHz Ant A



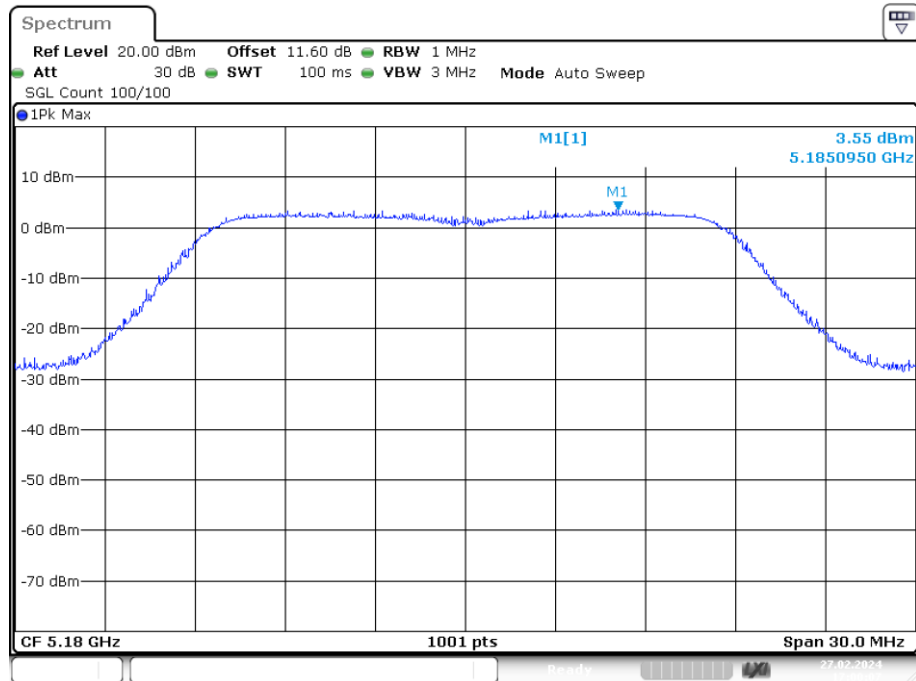
Date: 27.FEB.2024 17:57:46

PSD NVNT ac80 5210MHz Ant A



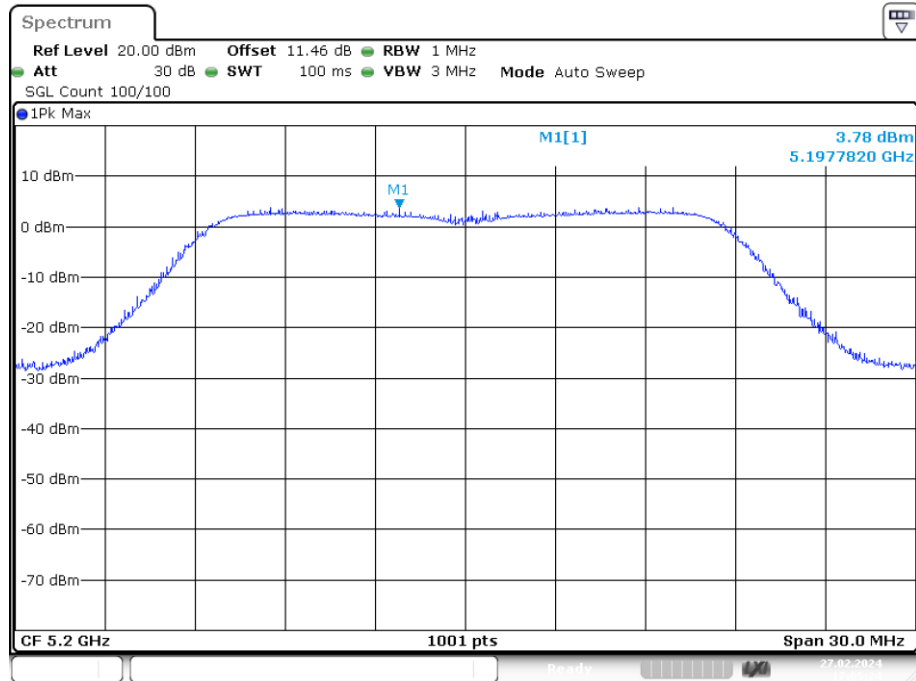
Date: 27.FEB.2024 18:57:33

PSD NVNT n20 5180MHz Ant A



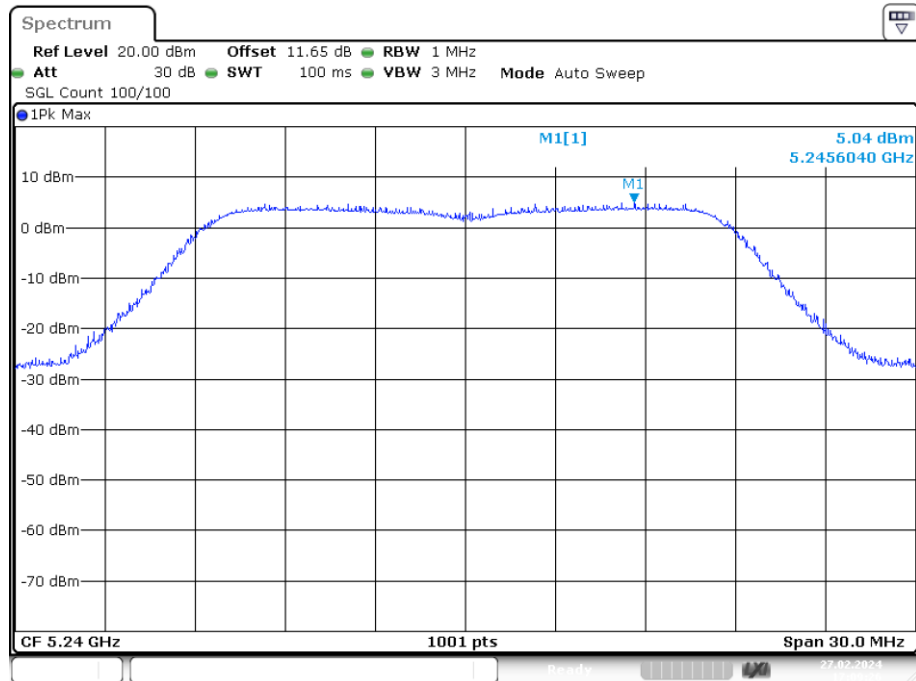
Date: 27.FEB.2024 17:00:07

PSD NVNT n20 5200MHz Ant A



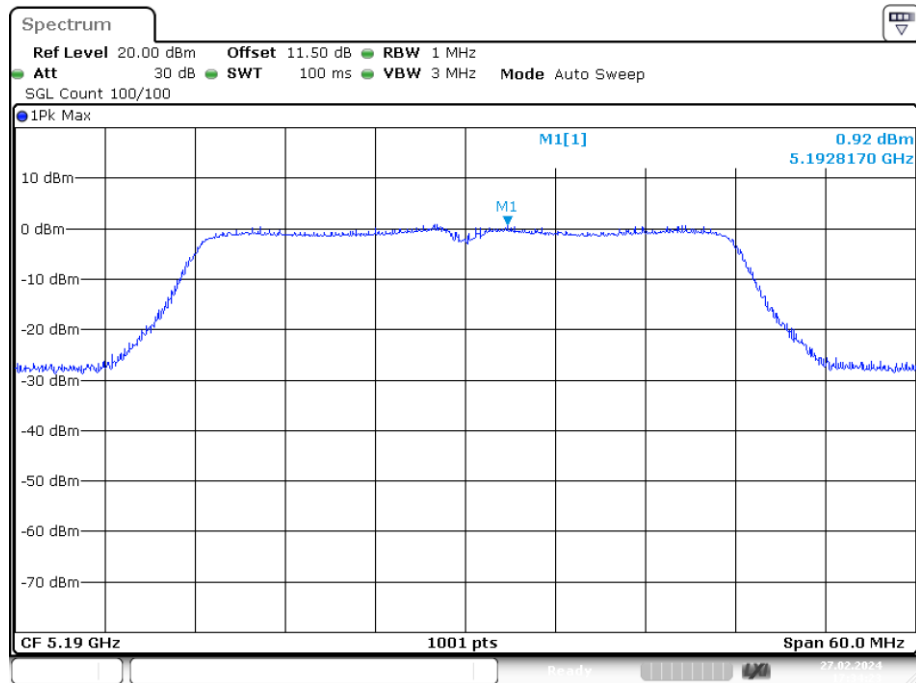
Date: 27.FEB.2024 17:05:24

PSD NVNT n20 5240MHz Ant A



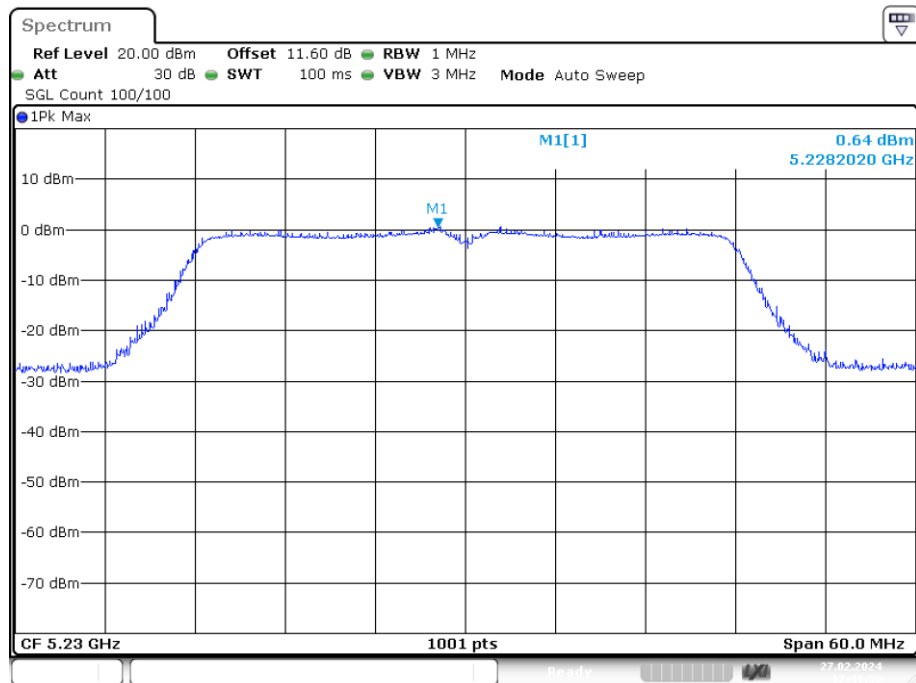
Date: 27.FEB.2024 17:09:26

PSD NVNT n40 5190MHz Ant A



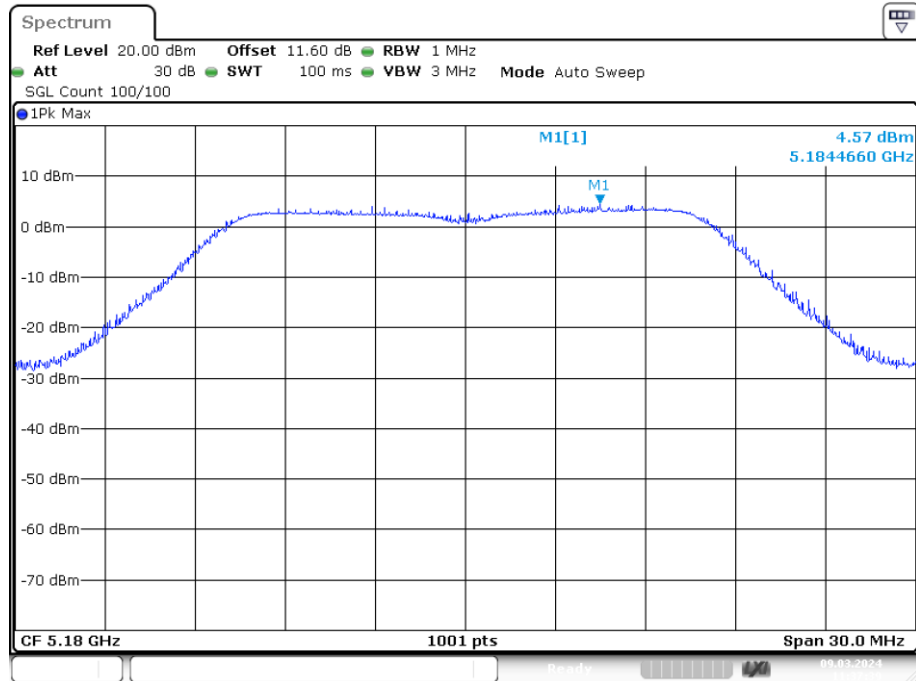
Date: 27.FEB.2024 17:34:23

PSD NVNT n40 5230MHz Ant A



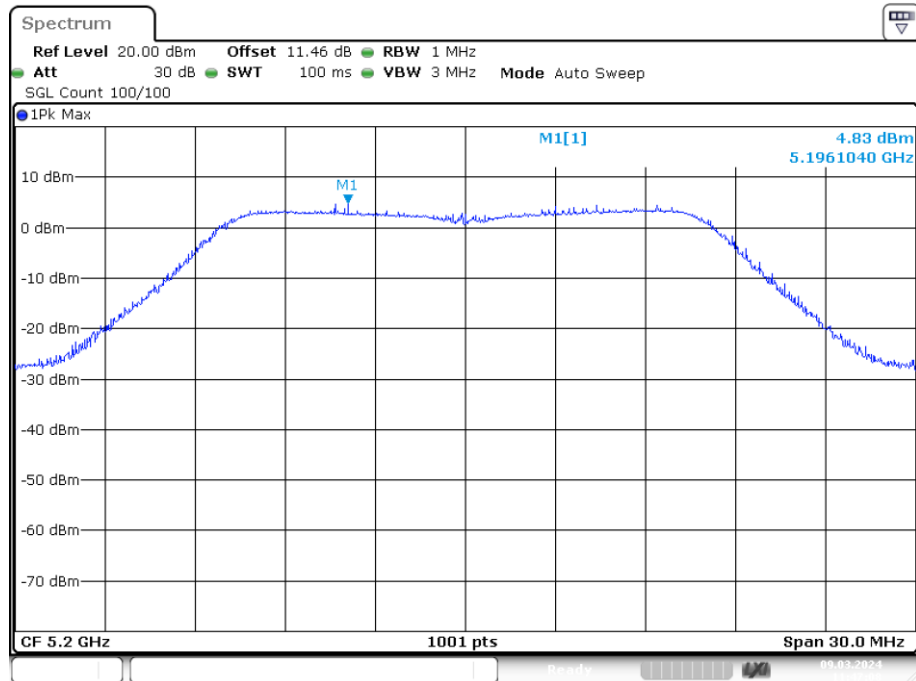
Date: 27.FEB.2024 17:41:56

PSD NVNT a 5180MHz Ant B



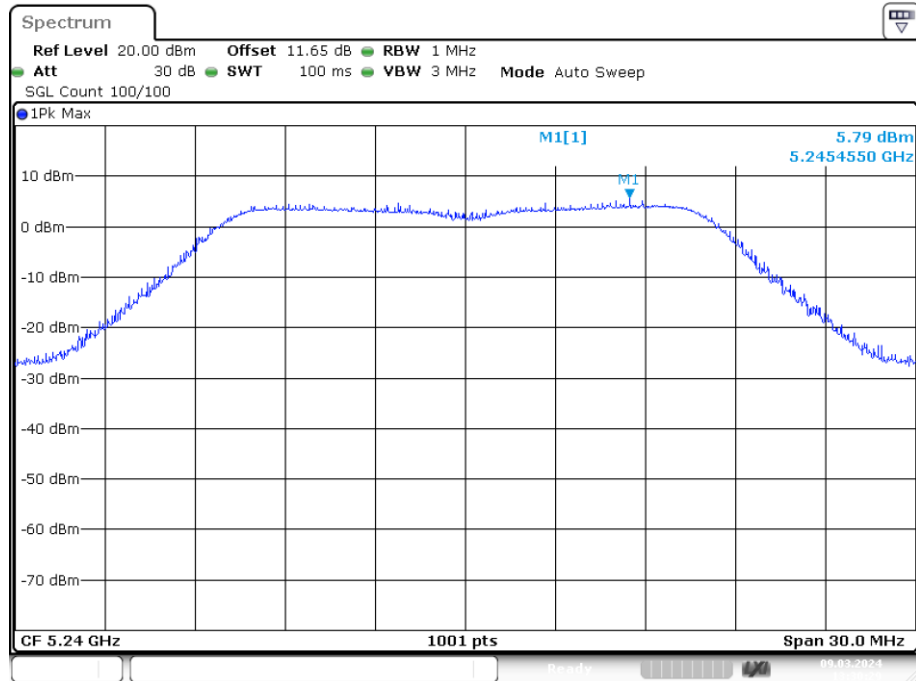
Date: 9.MAR.2024 11:37:38

PSD NVNT a 5200MHz Ant B



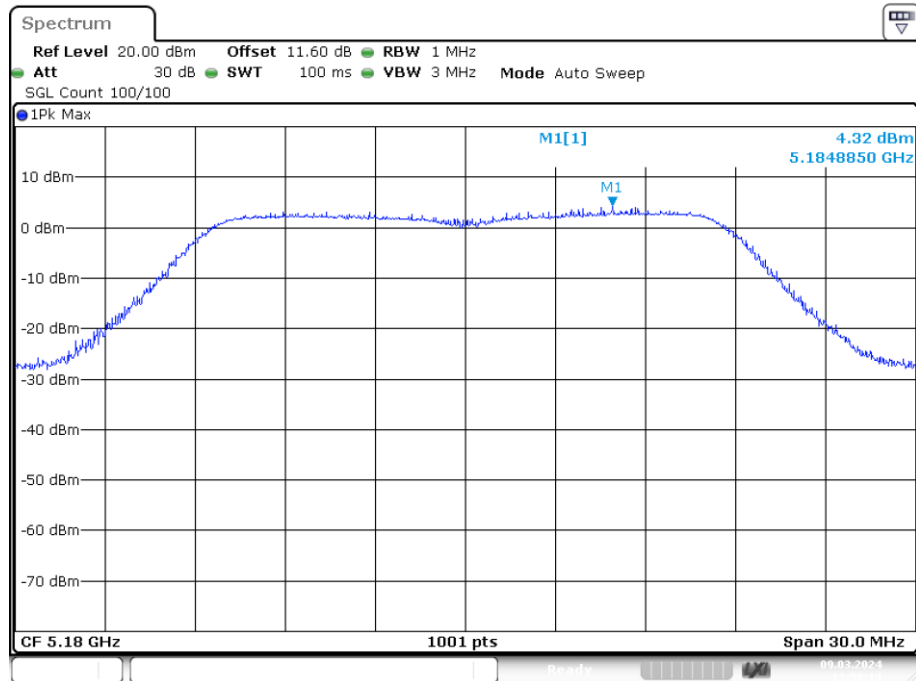
Date: 9.MAR.2024 11:47:08

PSD NVNT a 5240MHz Ant B



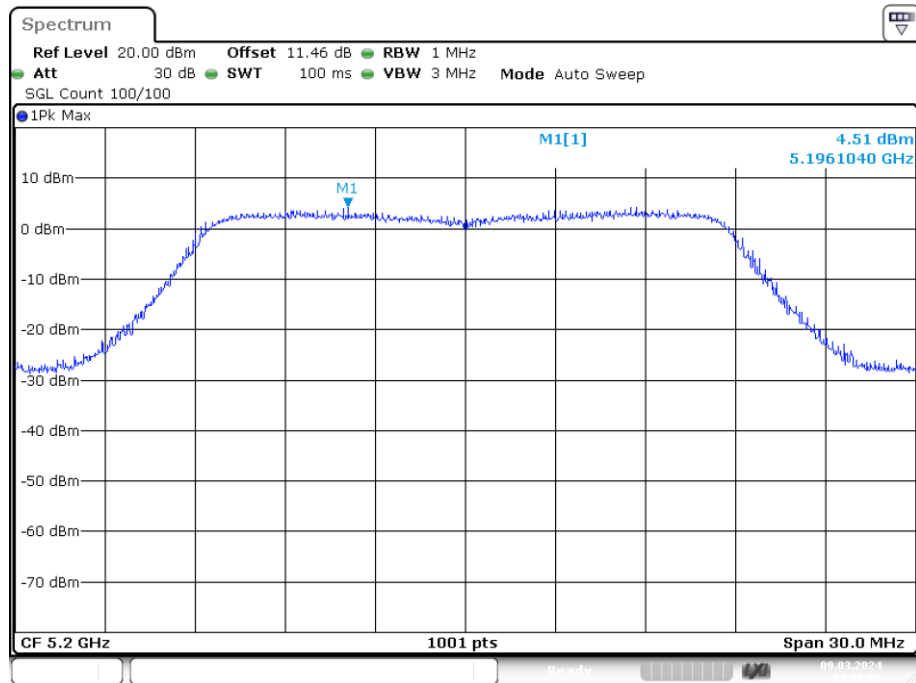
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PSD NVNT ac20 5180MHz Ant B



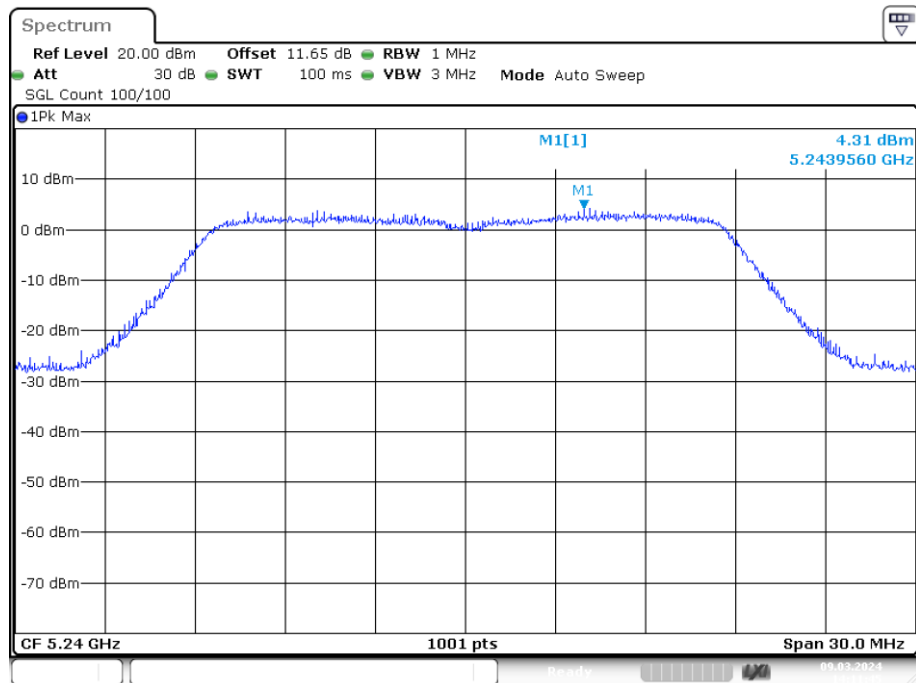
Date: 9.MAR.2024 13:59:14

PSD NVNT ac20 5200MHz Ant B



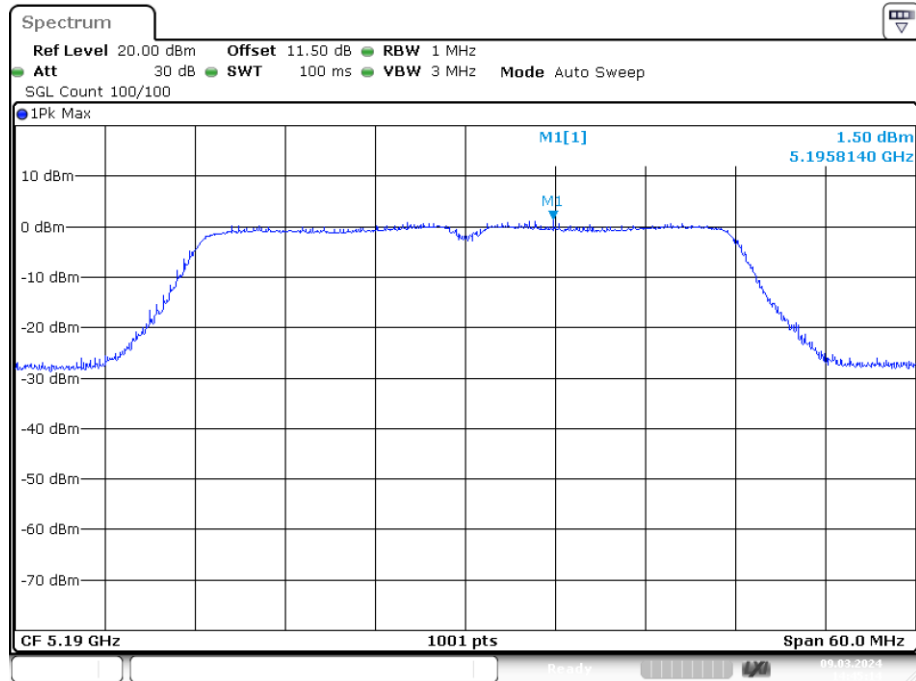
Date: 9.MAR.2024 14:08:08

PSD NVNT ac20 5240MHz Ant B



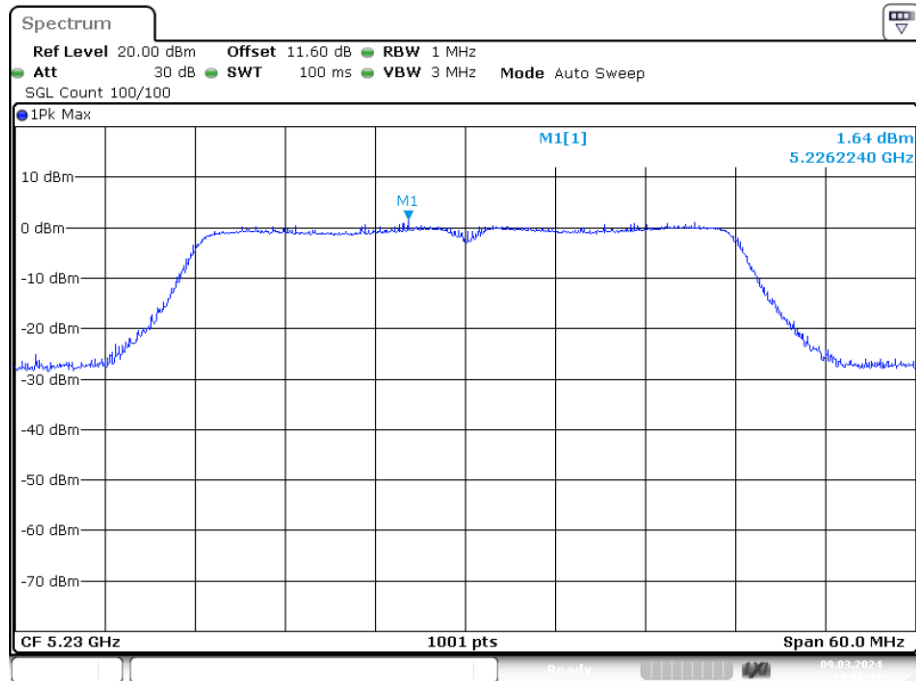
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PSD NVNT ac40 5190MHz Ant B



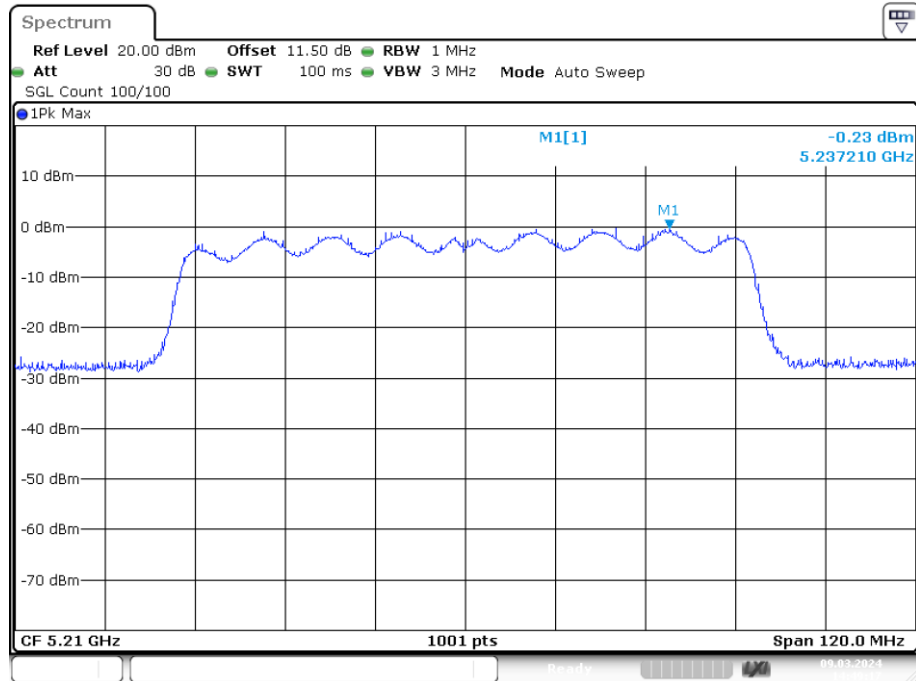
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PSD NVNT ac40 5230MHz Ant B



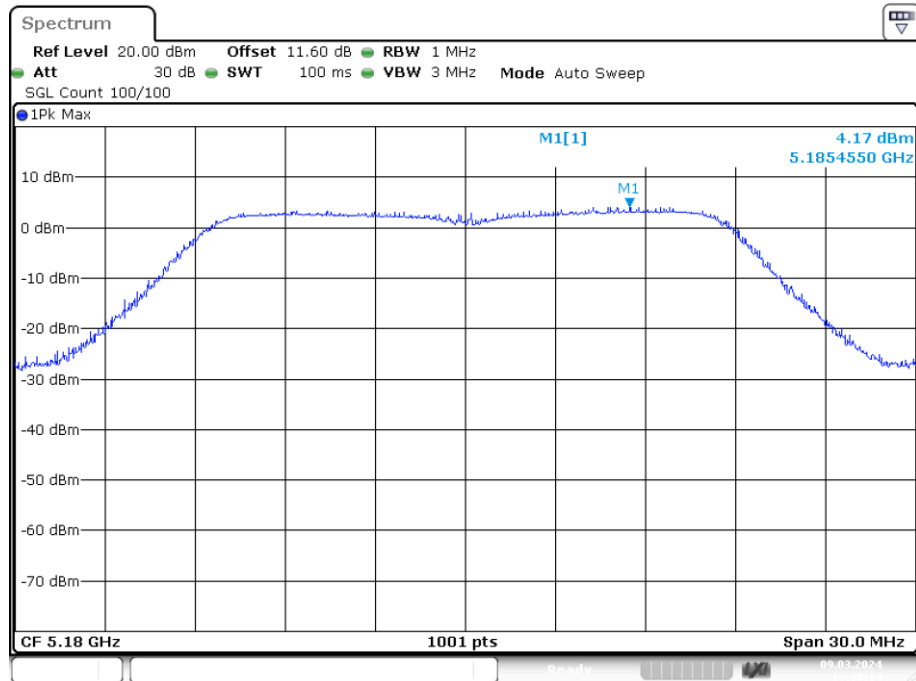
Date: 9.MAR.2024 14:47:32

PSD NVNT ac80 5210MHz Ant B



Date: 9.MAR.2024 14:49:17

PSD NVNT n20 5180MHz Ant B



Date: 9.MAR.2024 13:38:13