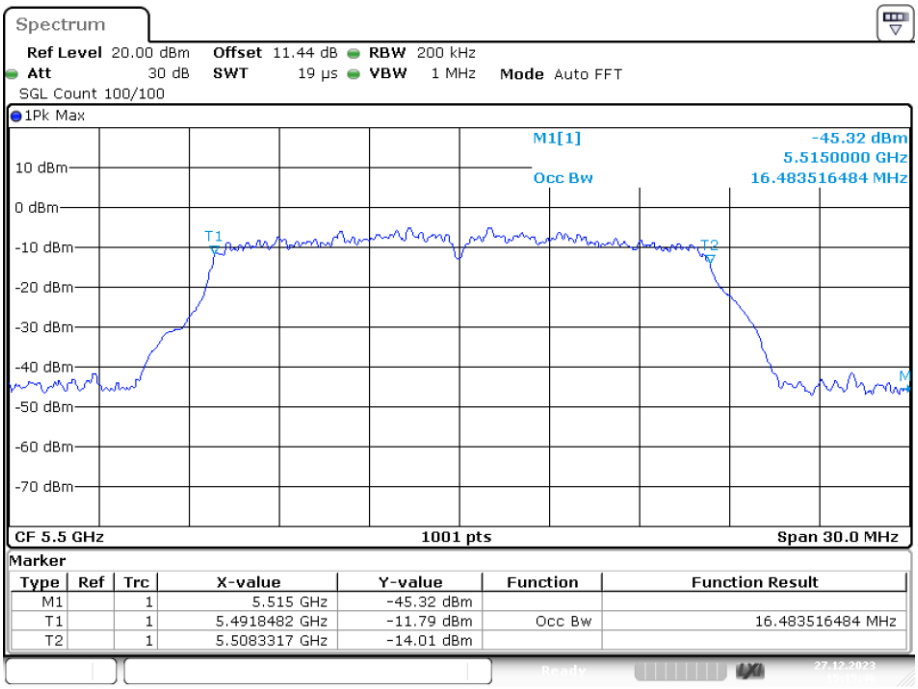
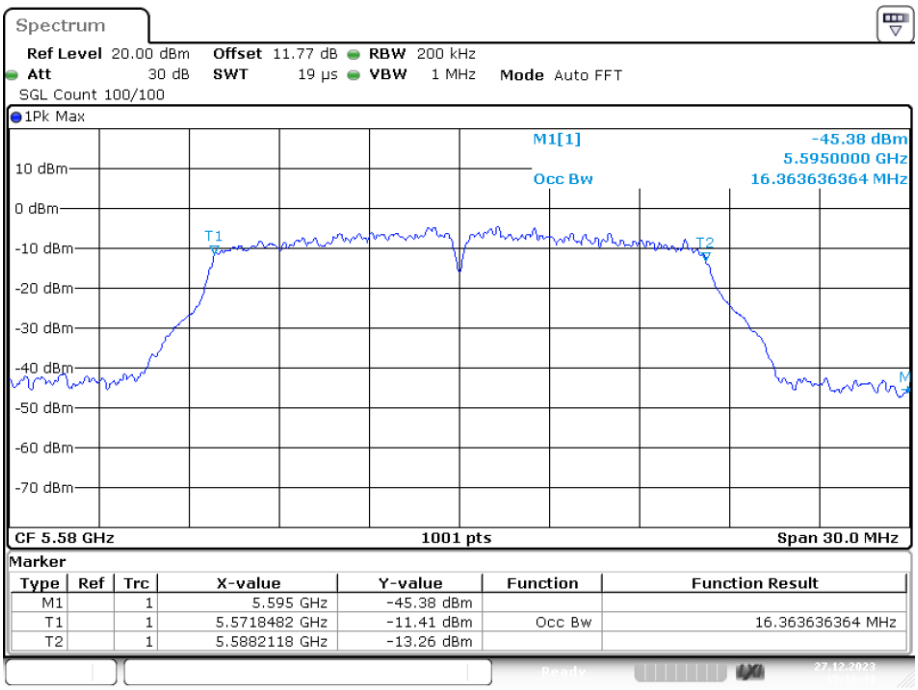
OBW NVNT a 5500MHz Ant1



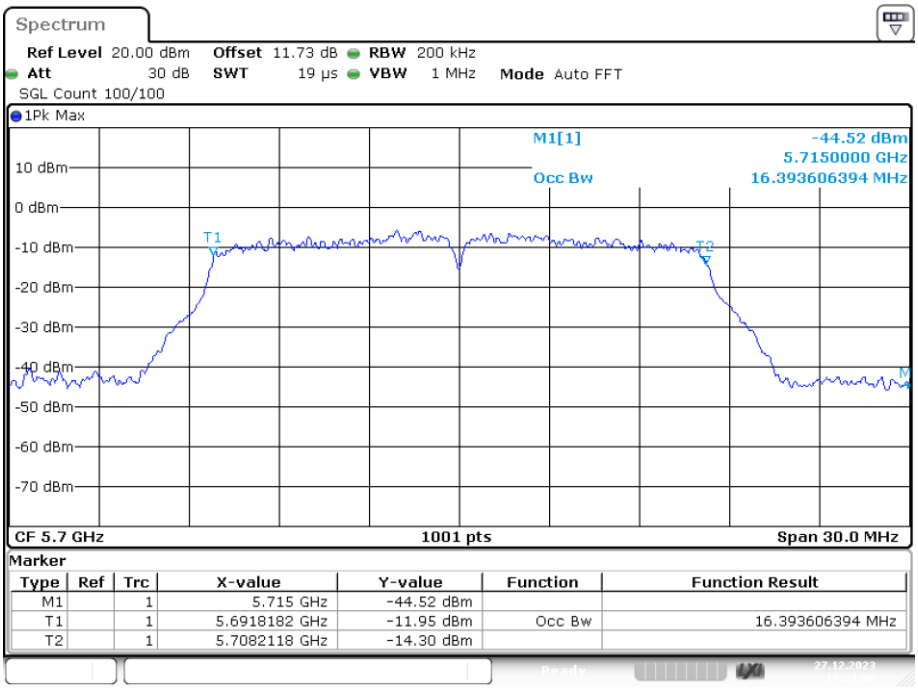
Date: 27.DEC.2023 15:15:45

OBW NVNT a 5580MHz Ant1



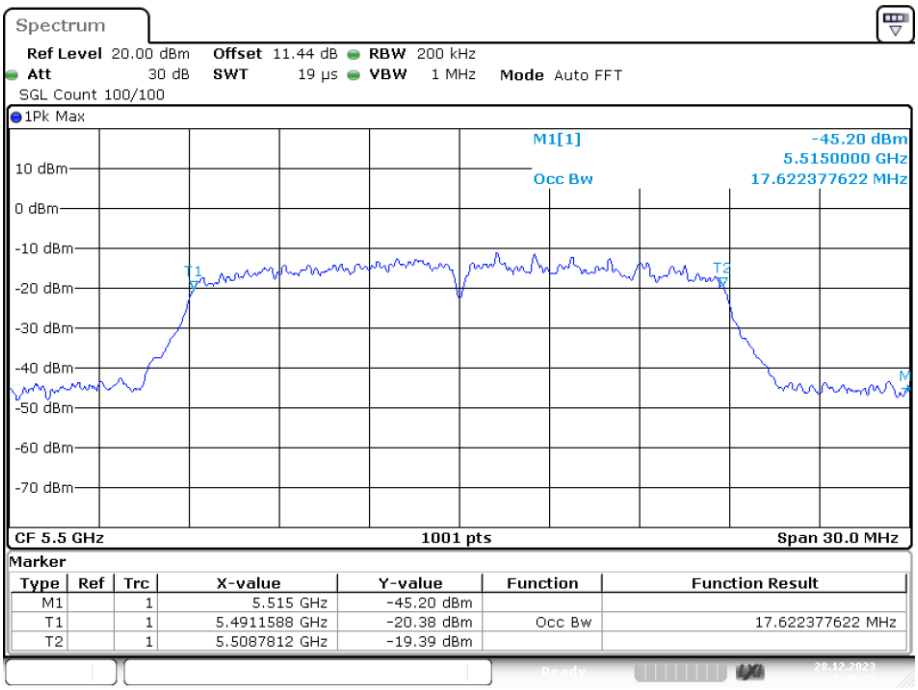
Date: 27.DEC.2023 15:18:41

OBW NVNT a 5700MHz Ant1



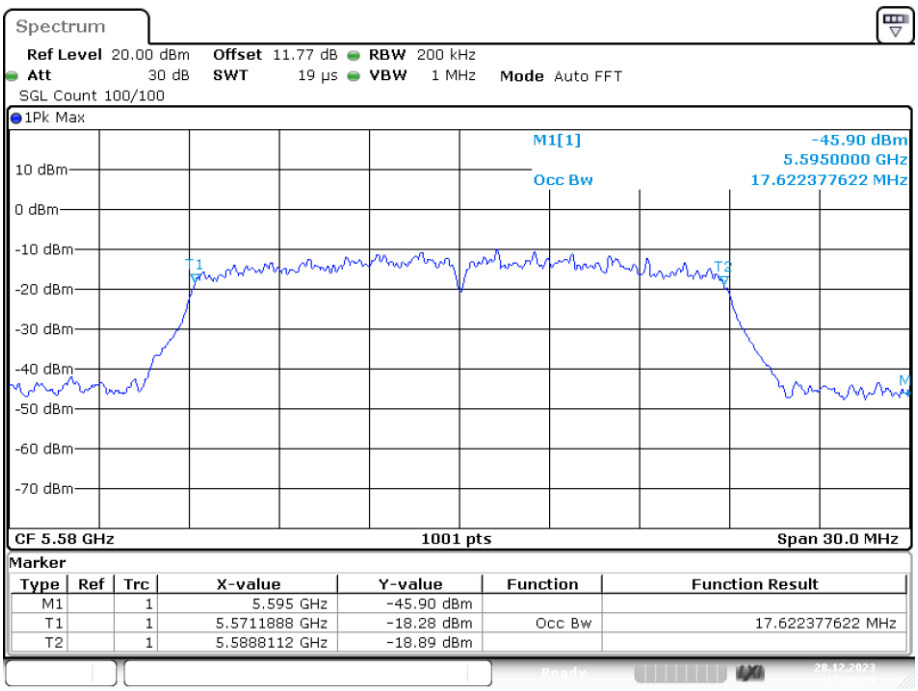
Date: 27.DEC.2023 15:21:08

OBW NVNT ac20 5500MHz Ant1



Date: 28.DEC.2023 15:46:43

OBW NVNT ac20 5580MHz Ant1



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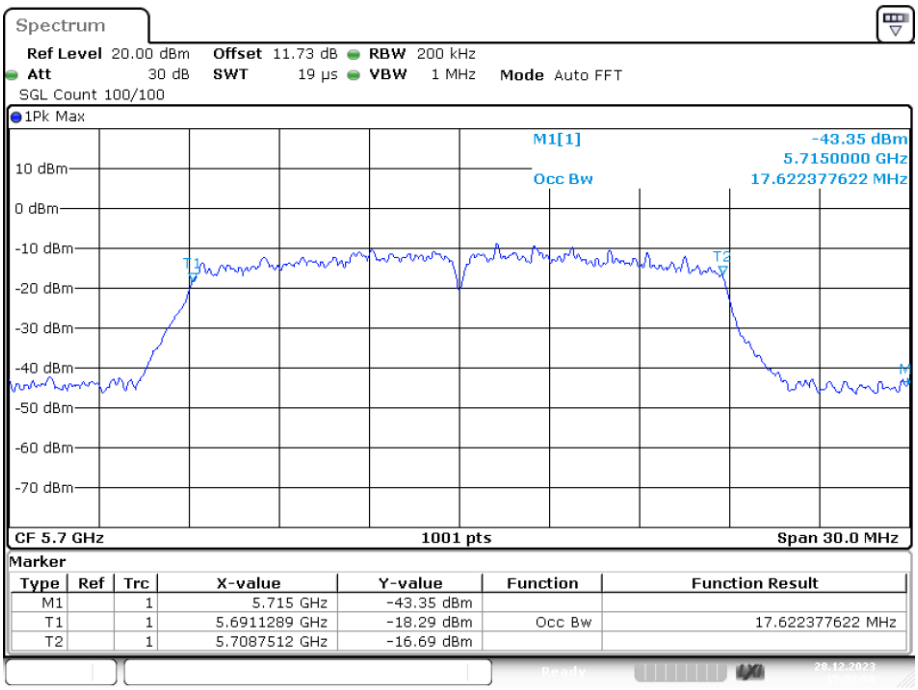
OBW NVNT ac20 5700MHz Ant1



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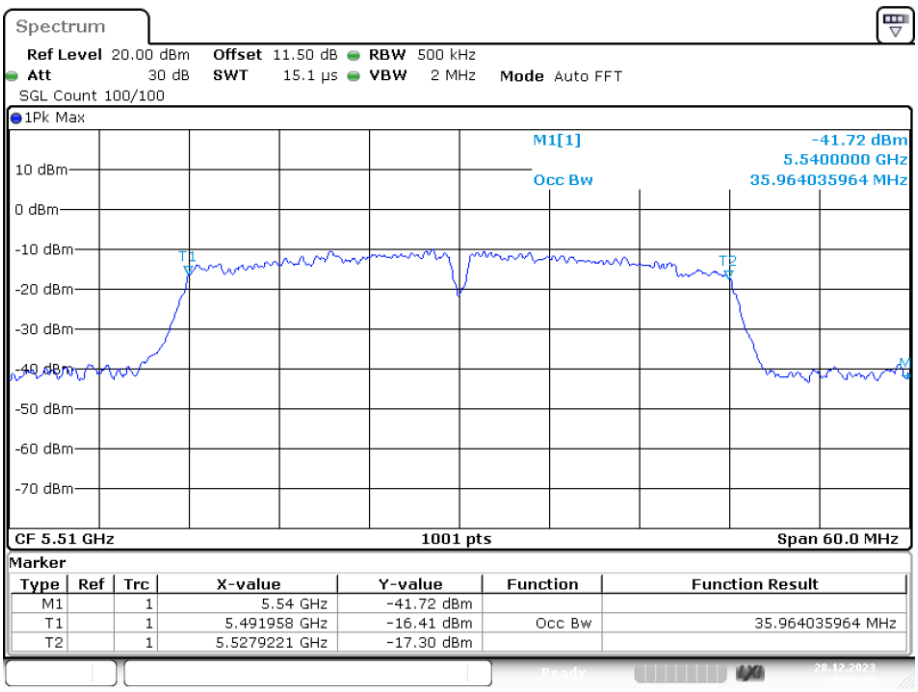
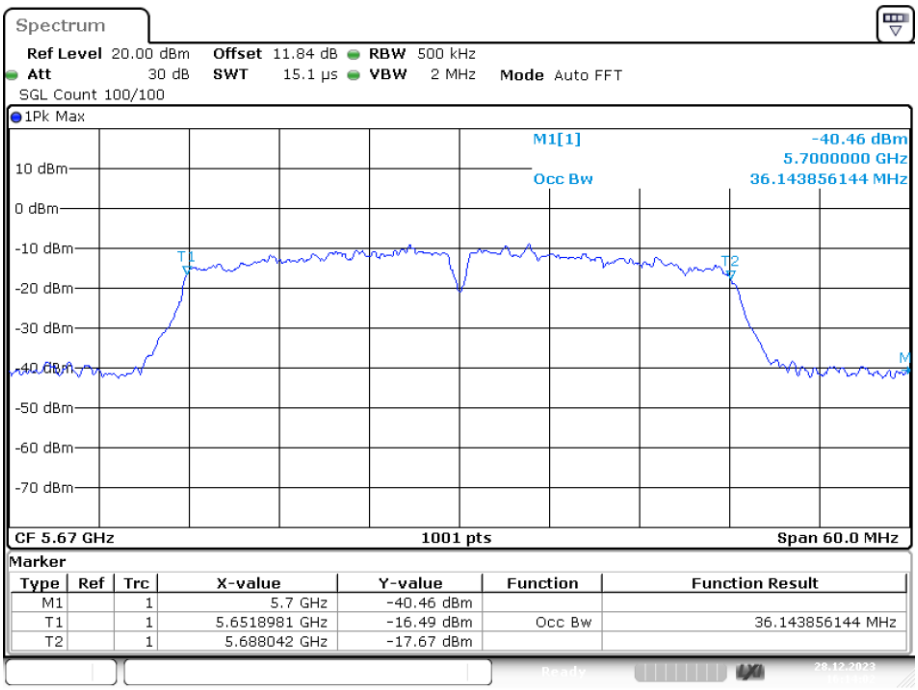
OBW NVNT ac40 5510MHz Ant1



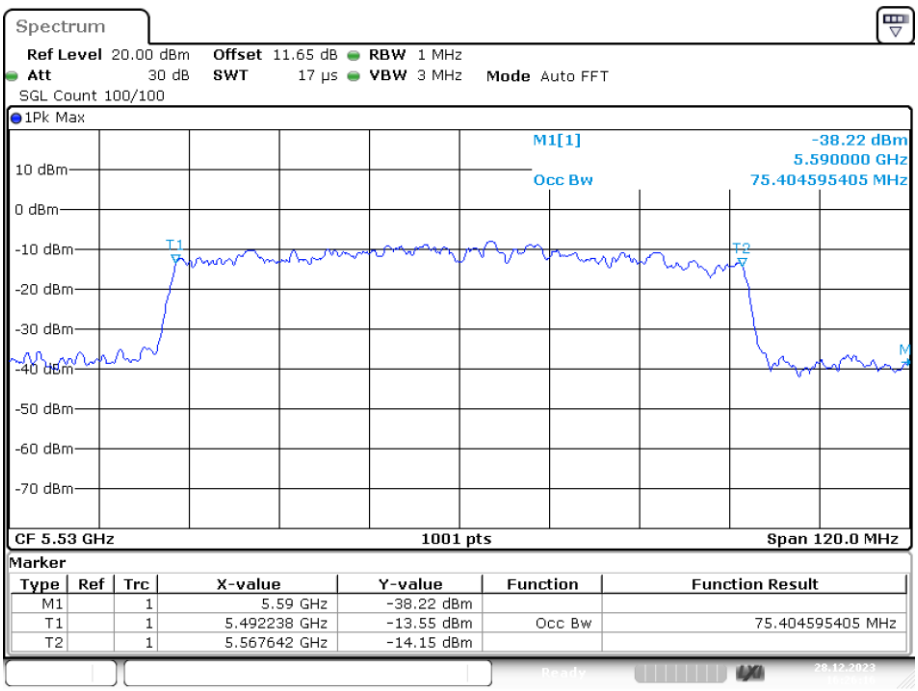
Date: 28.DEC.2023 16:05:02

OBW NVNT ac40 5670MHz Ant1



Date: 28.DEC.2023 16:14:03

OBW NVNT ac80 5530MHz Ant1



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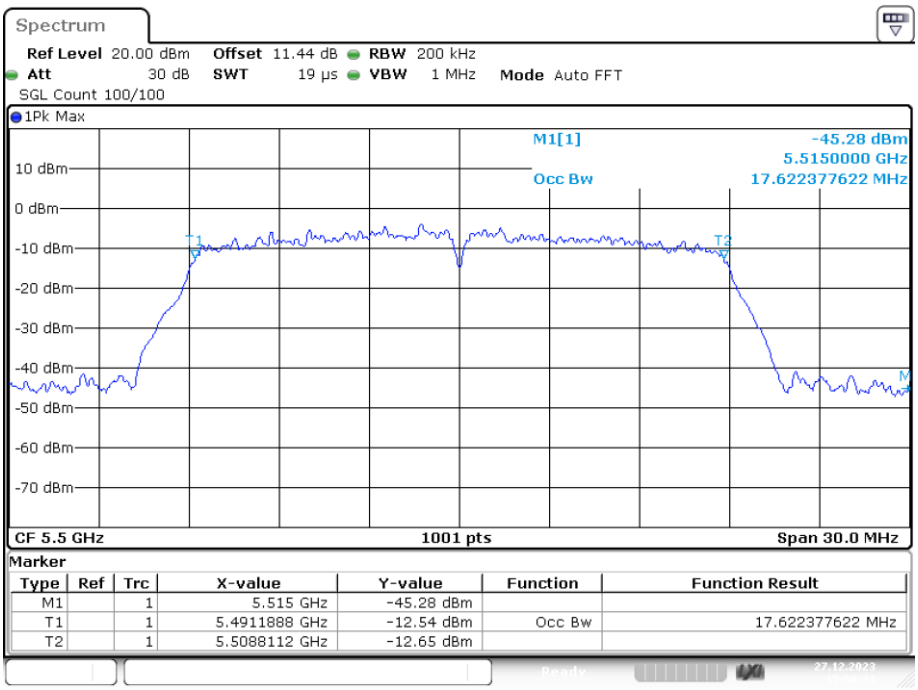
OBW NVNT n20 5500MHz Ant1



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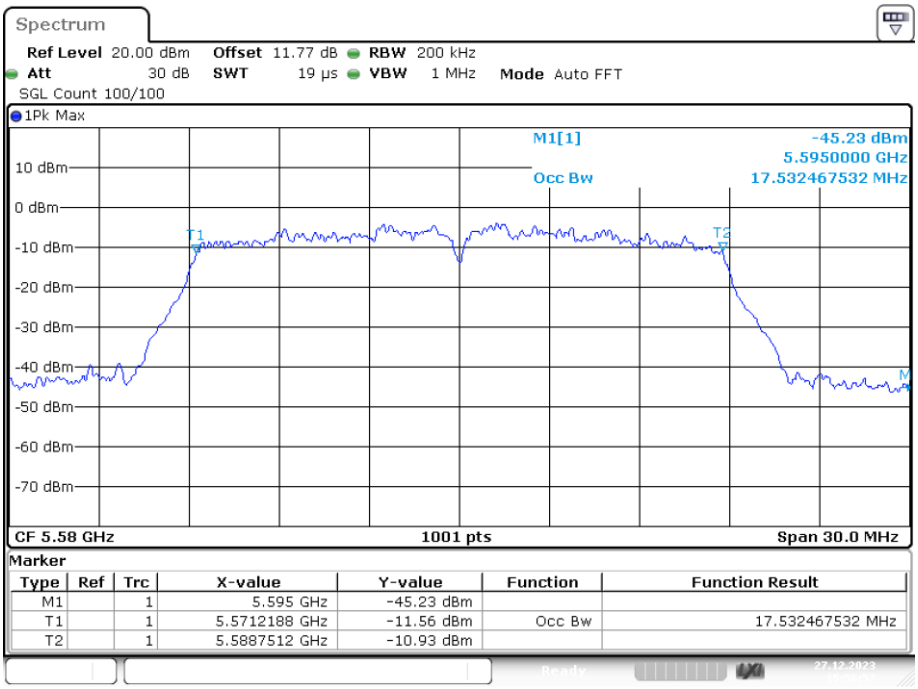
OBW NVNT n20 5580MHz Ant1



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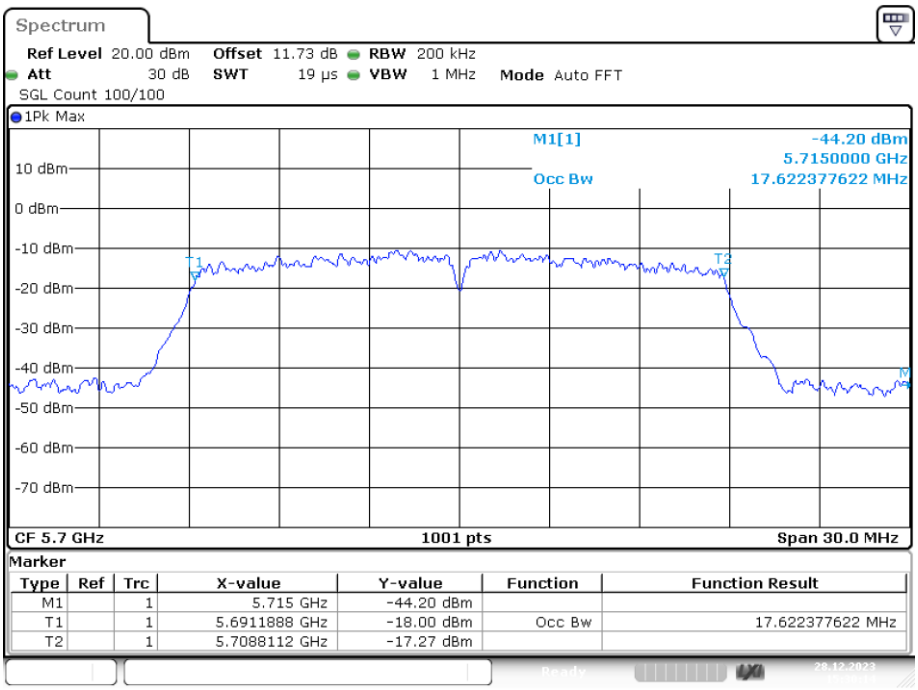
OBW NVNT n20 5700MHz Ant1



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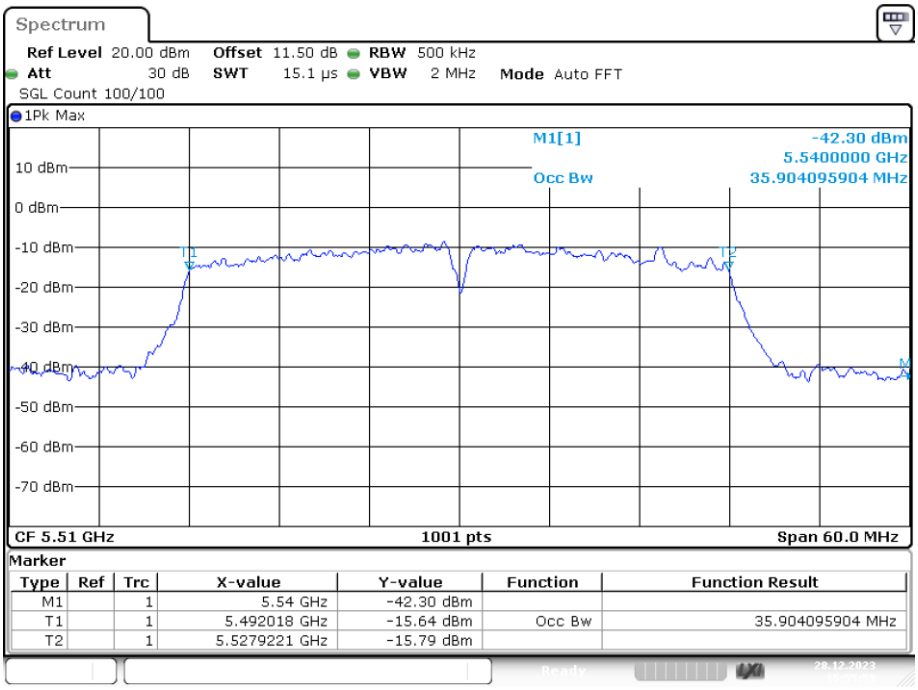
OBW NVNT n40 5510MHz Ant1



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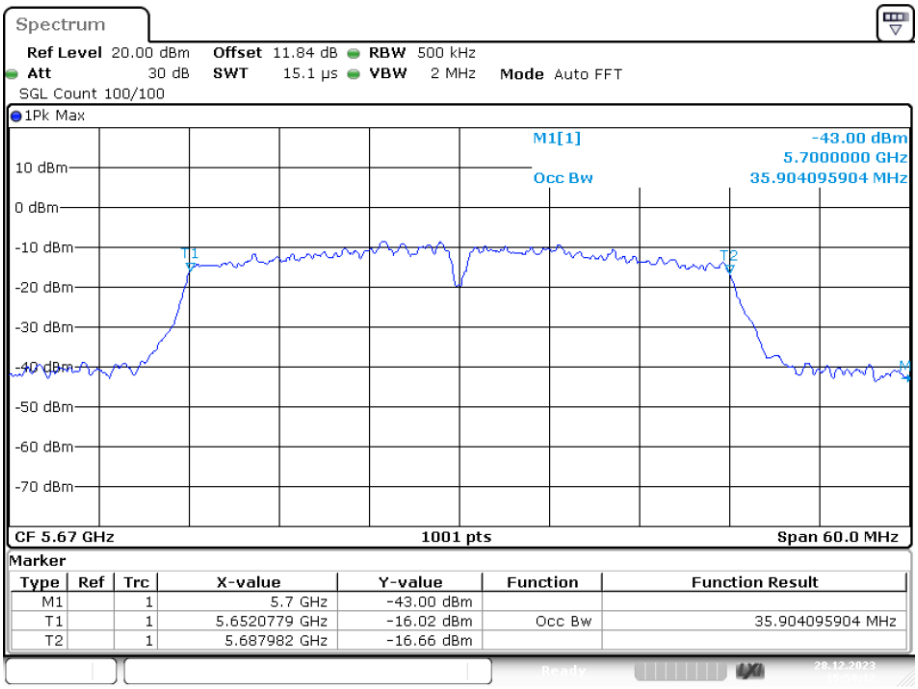
OBW NVNT n40 5670MHz Ant1



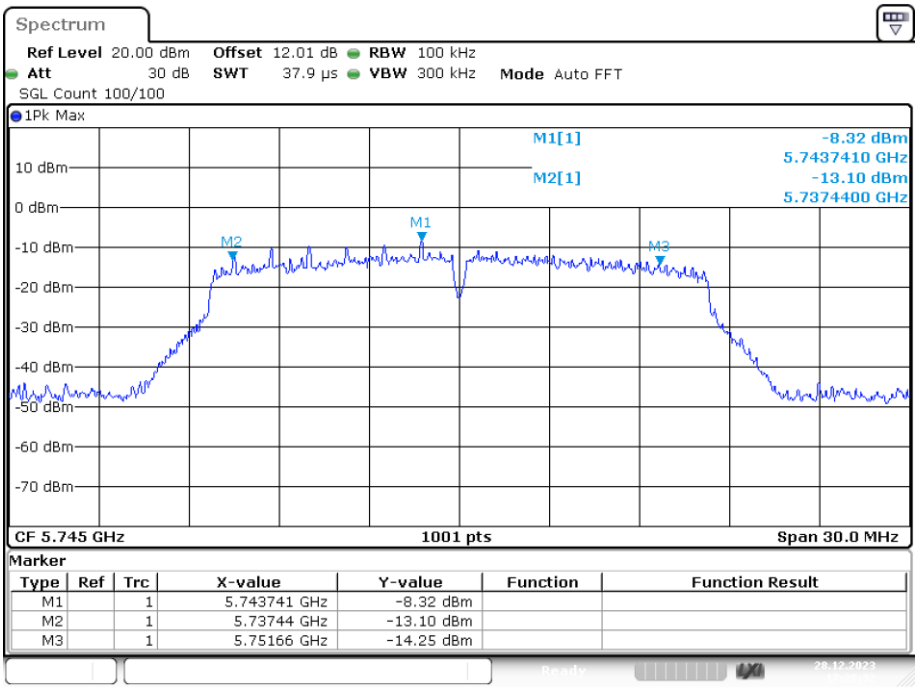
Date: 28.DEC.2023 15:59:13

Band 4 (5725-5850 MHz):

-6dB Bandwidth

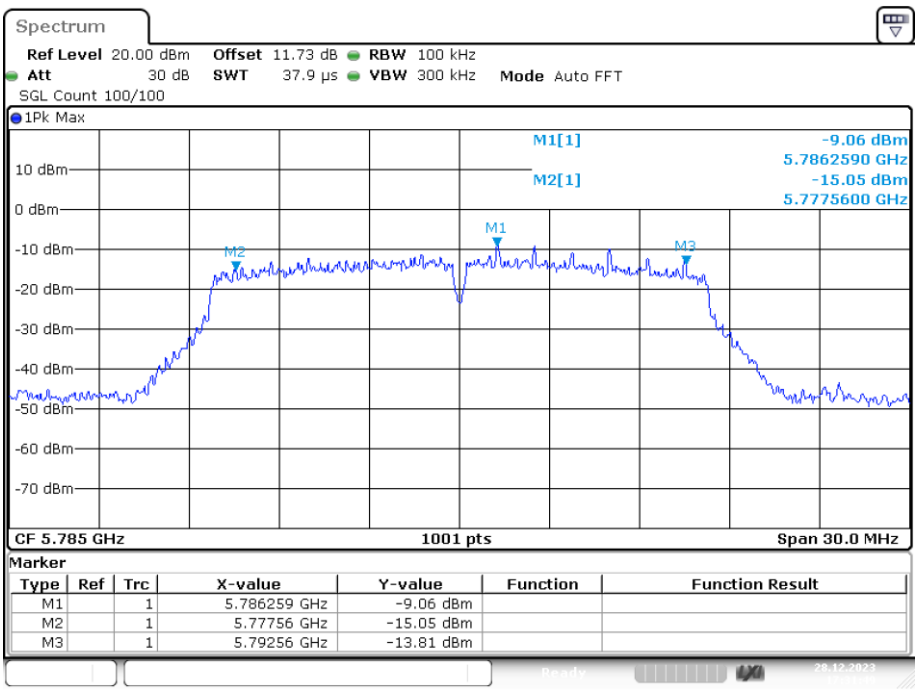
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	14.22	0.5	Pass
NVNT	a	5785	Ant1	15	0.5	Pass
NVNT	a	5825	Ant1	16.32	0.5	Pass
NVNT	ac20	5745	Ant1	13.59	0.5	Pass
NVNT	ac20	5785	Ant1	12.84	0.5	Pass
NVNT	ac20	5825	Ant1	13.47	0.5	Pass
NVNT	ac40	5755	Ant1	35.04	0.5	Pass
NVNT	ac40	5795	Ant1	34.14	0.5	Pass
NVNT	ac80	5775	Ant1	75.12	0.5	Pass
NVNT	n20	5745	Ant1	17.58	0.5	Pass
NVNT	n20	5785	Ant1	15.06	0.5	Pass
NVNT	n20	5825	Ant1	17.58	0.5	Pass
NVNT	n40	5755	Ant1	33.84	0.5	Pass
NVNT	n40	5795	Ant1	31.92	0.5	Pass

-6dB Bandwidth NVNT a 5745MHz Ant1



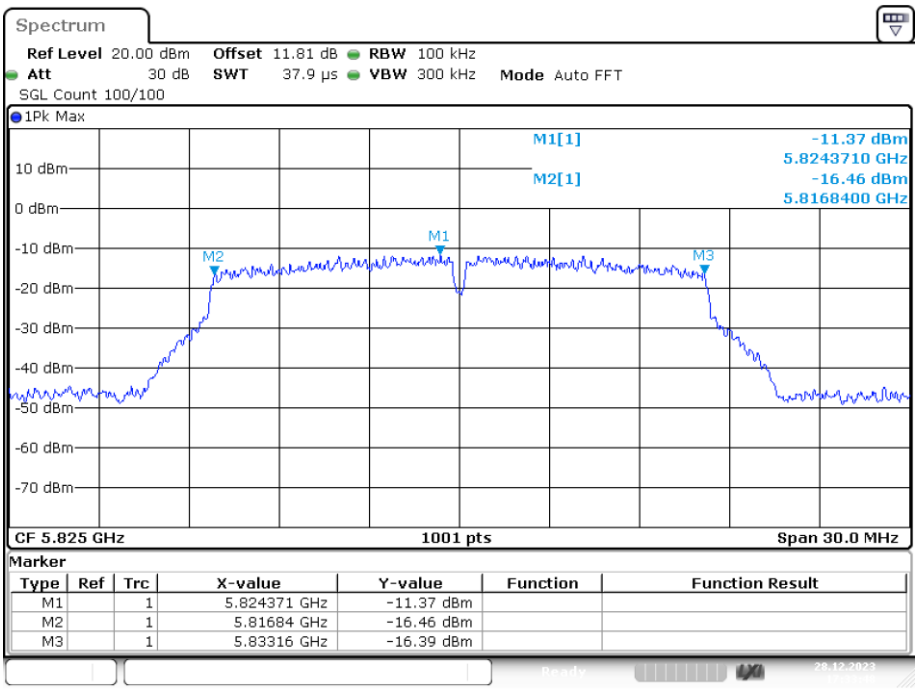
Date: 28.DEC.2023 17:28:32

-6dB Bandwidth NVNT a 5785MHz Ant1



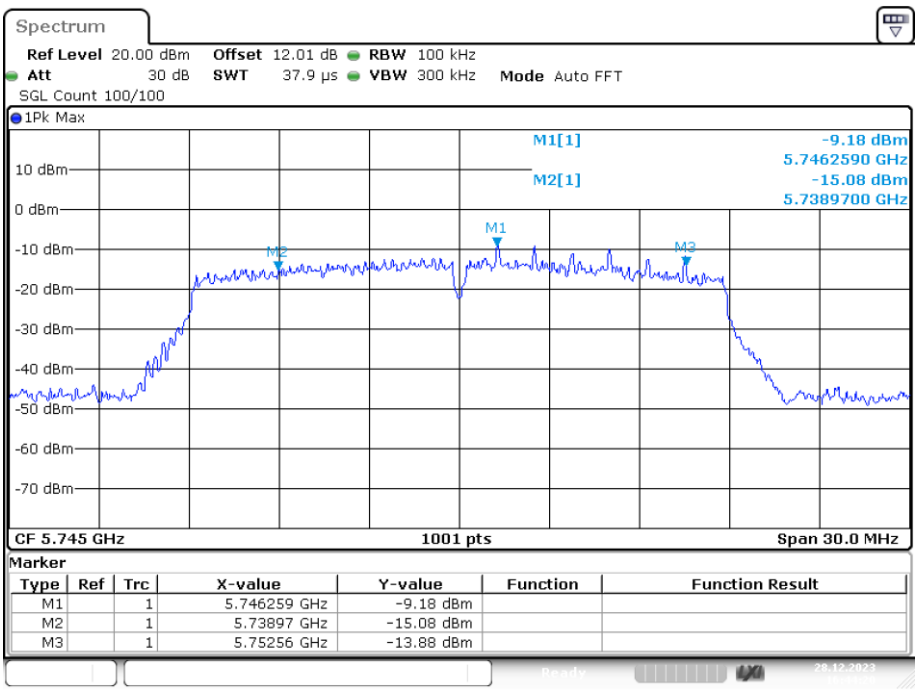
Date: 28.DEC.2023 17:31:48

-6dB Bandwidth NVNT a 5825MHz Ant1



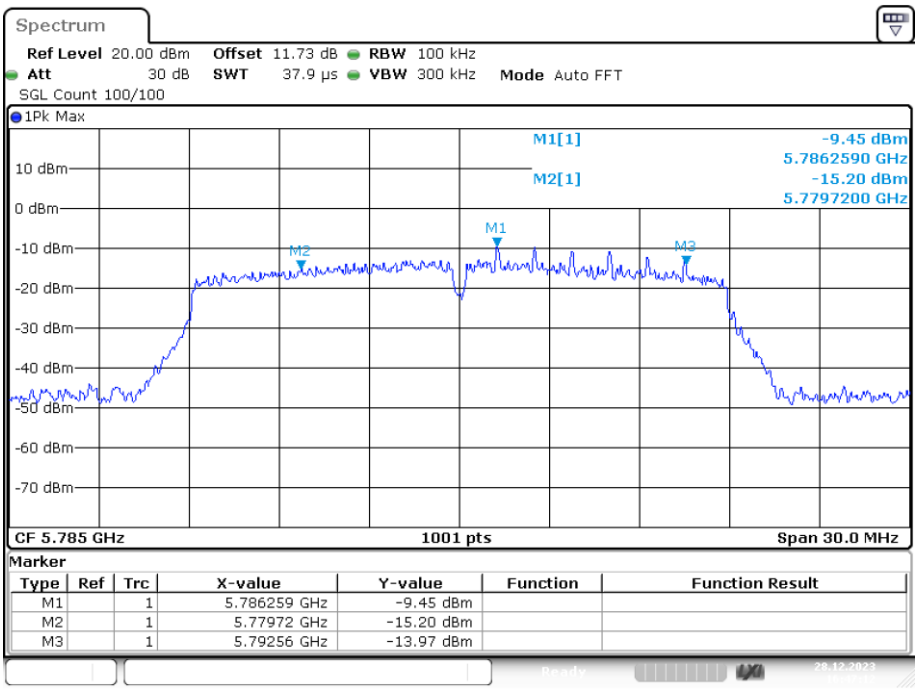
Date: 28.DEC.2023 17:33:48

-6dB Bandwidth NVNT ac20 5745MHz Ant1



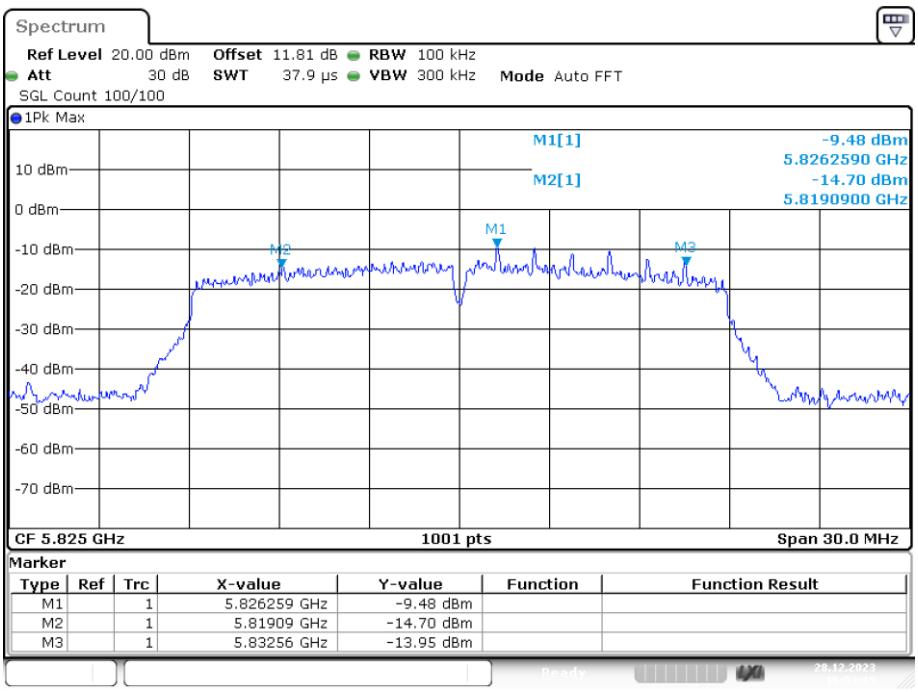
Date: 28.DEC.2023 16:44:20

-6dB Bandwidth NVNT ac20 5785MHz Ant1



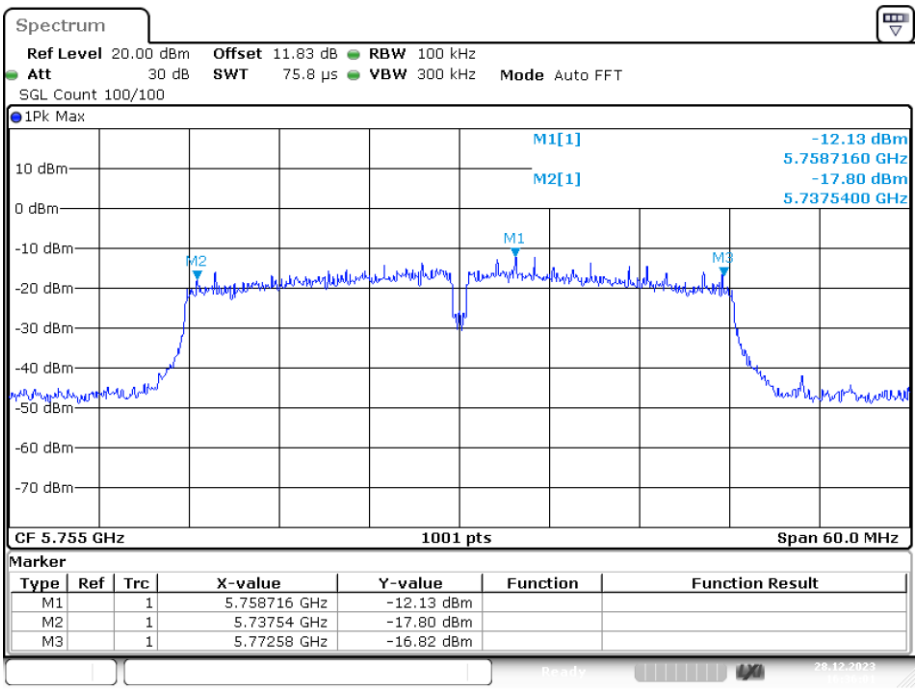
Date: 28.DEC.2023 16:47:11

-6dB Bandwidth NVNT ac20 5825MHz Ant1



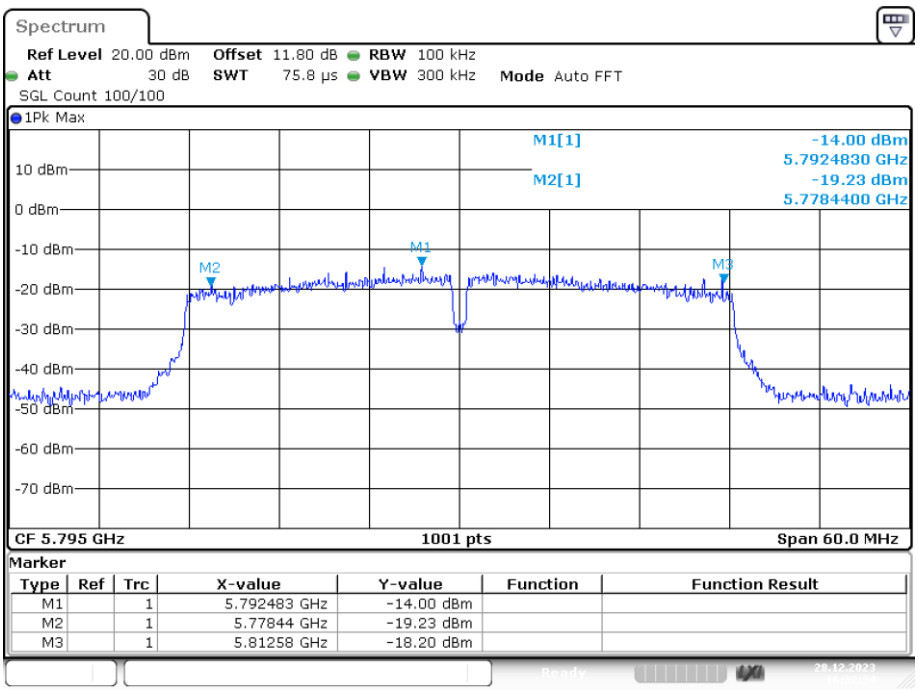
Date: 28.DEC.2023 16:54:15

-6dB Bandwidth NVNT ac40 5755MHz Ant1



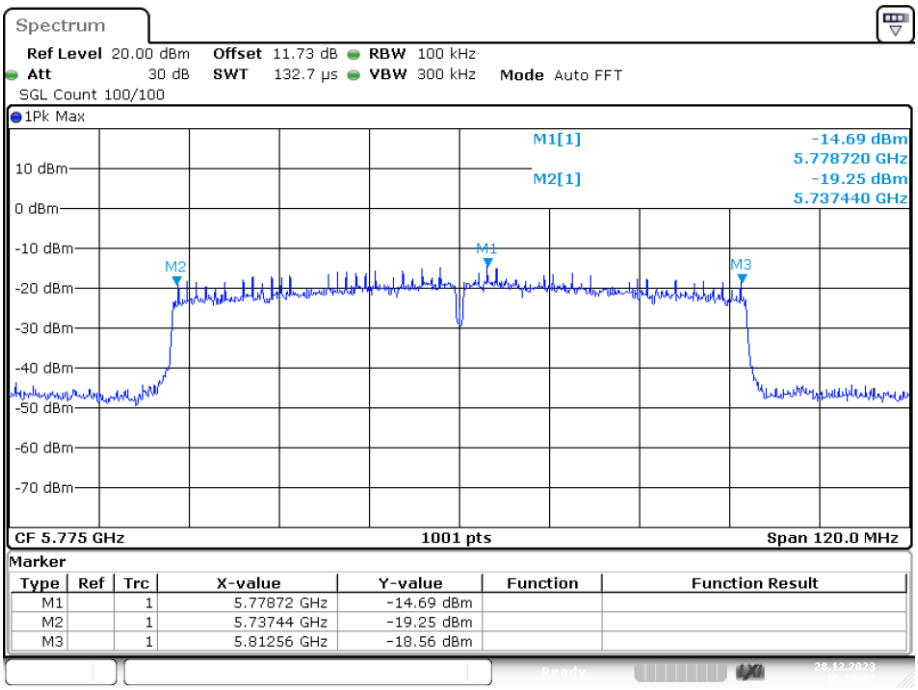
Date: 28.DEC.2023 16:36:00

-6dB Bandwidth NVNT ac40 5795MHz Ant1



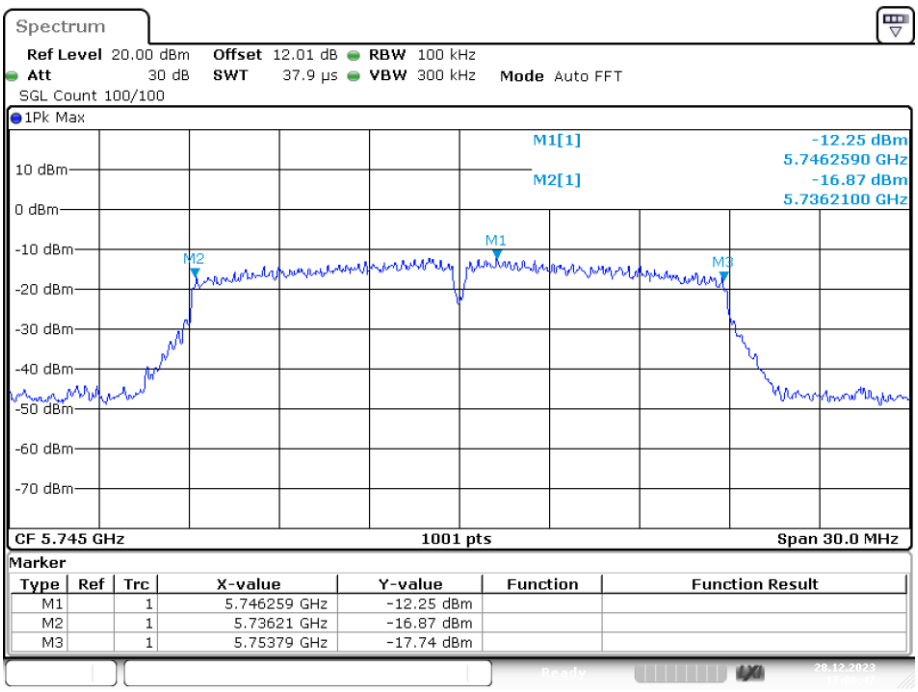
Date: 28.DEC.2023 16:32:34

-6dB Bandwidth NVNT ac80 5775MHz Ant1



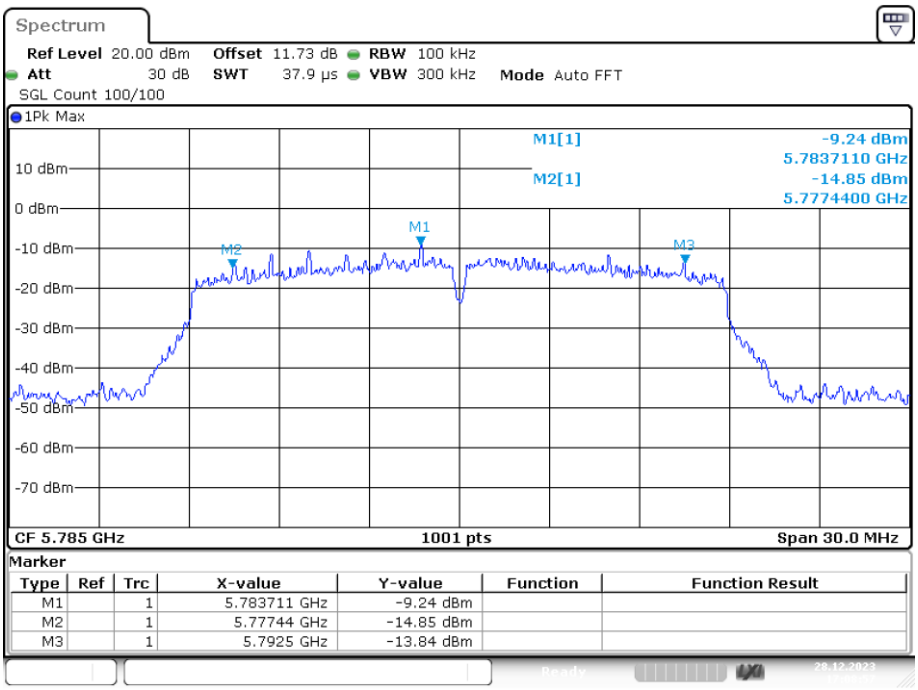
Date: 28.DEC.2023 16:29:16

-6dB Bandwidth NVNT n20 5745MHz Ant1



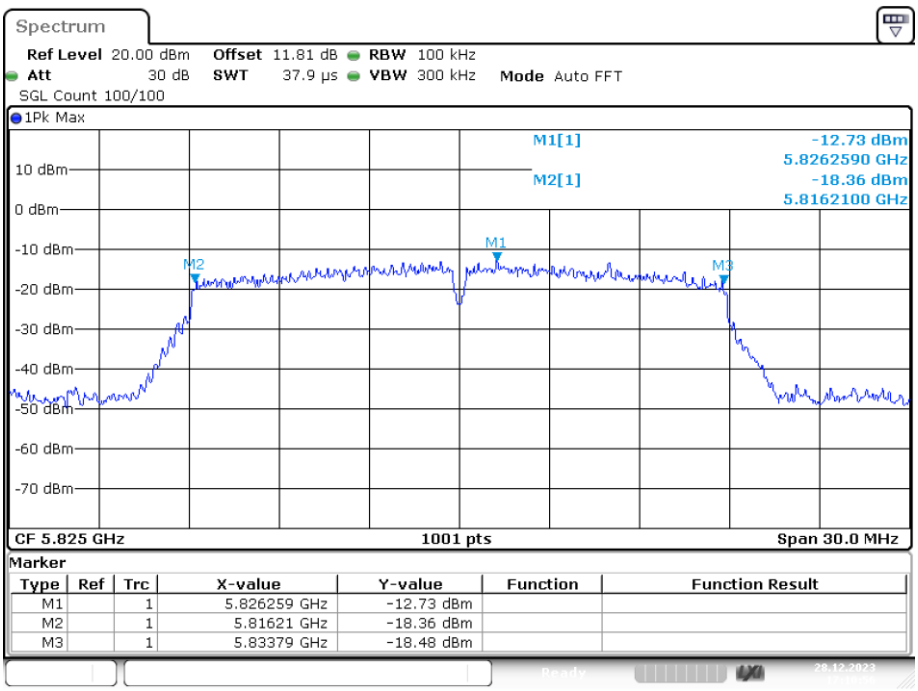
Date: 28.DEC.2023 17:06:47

-6dB Bandwidth NVNT n20 5785MHz Ant1



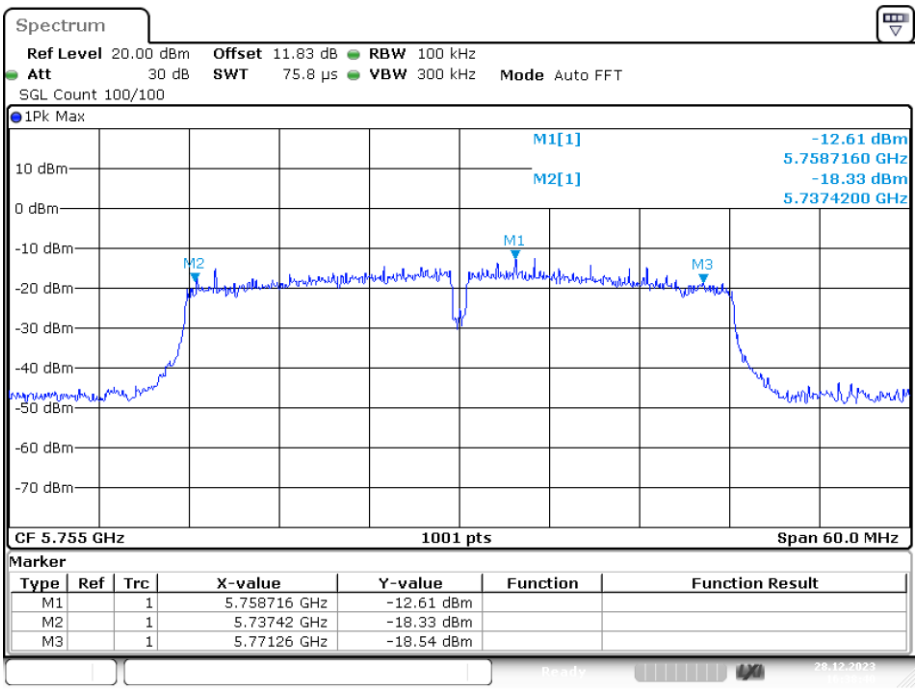
Date: 28.DEC.2023 17:08:57

-6dB Bandwidth NVNT n20 5825MHz Ant1



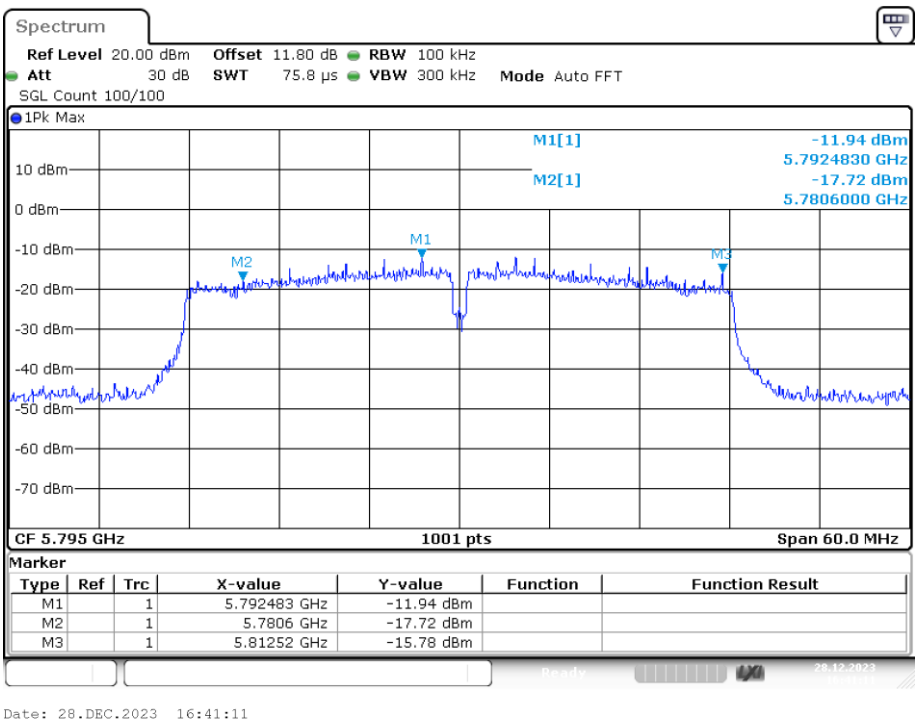
Date: 28.DEC.2023 17:10:55

-6dB Bandwidth NVNT n40 5755MHz Ant1



Date: 28.DEC.2023 16:38:39

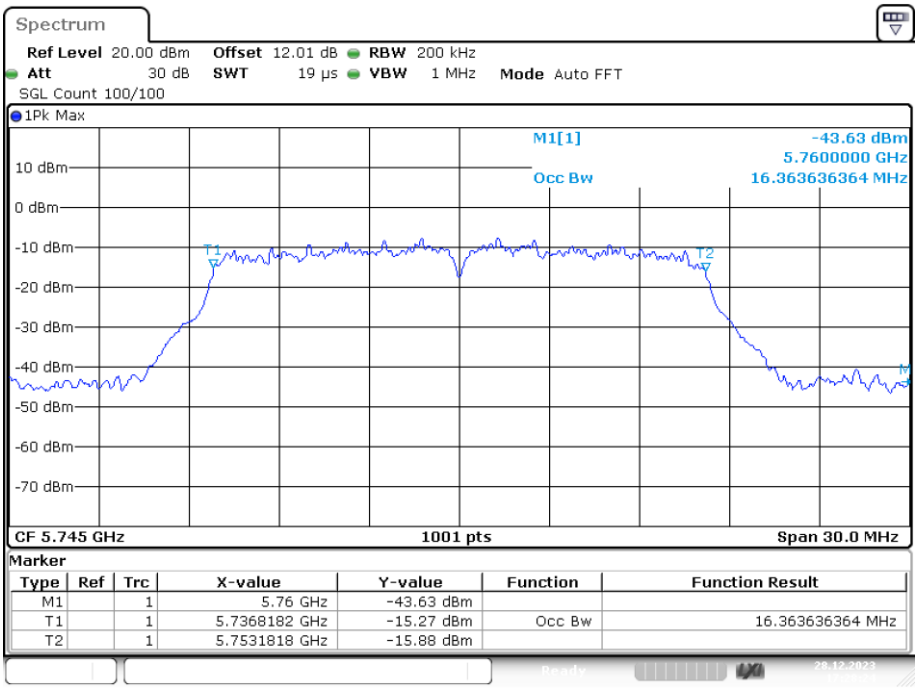
-6dB Bandwidth NVNT n40 5795MHz Ant1



Occupied Channel Bandwidth

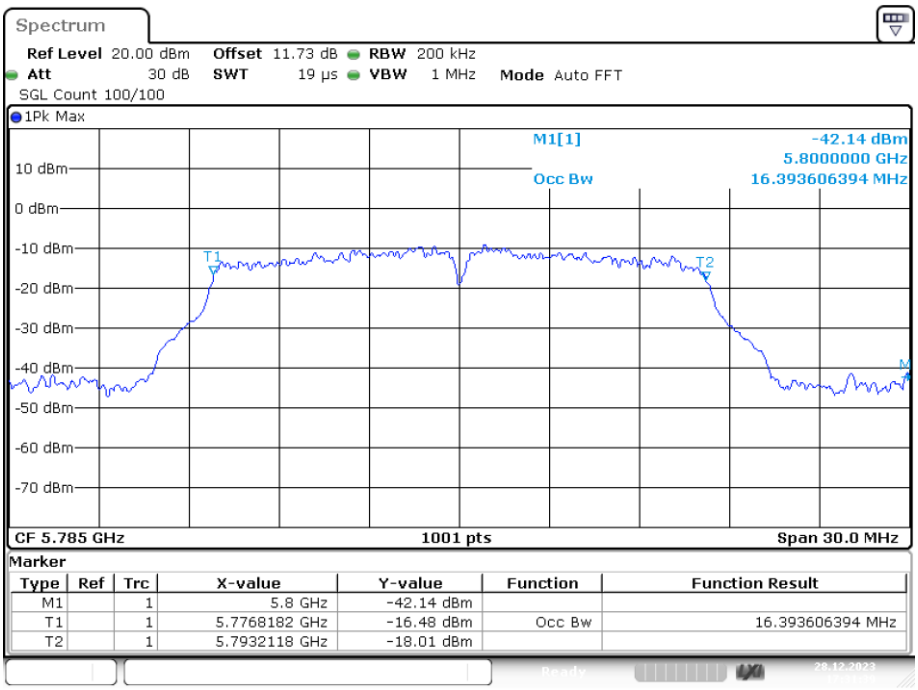
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.364
NVNT	a	5785	Ant1	16.394
NVNT	a	5825	Ant1	16.334
NVNT	ac20	5745	Ant1	17.682
NVNT	ac20	5785	Ant1	17.532
NVNT	ac20	5825	Ant1	17.532
NVNT	ac40	5755	Ant1	36.204
NVNT	ac40	5795	Ant1	36.024
NVNT	ac80	5775	Ant1	75.405
NVNT	n20	5745	Ant1	17.652
NVNT	n20	5785	Ant1	17.502
NVNT	n20	5825	Ant1	17.532
NVNT	n40	5755	Ant1	35.964
NVNT	n40	5795	Ant1	36.024

OBW NVNT a 5745MHz Ant1



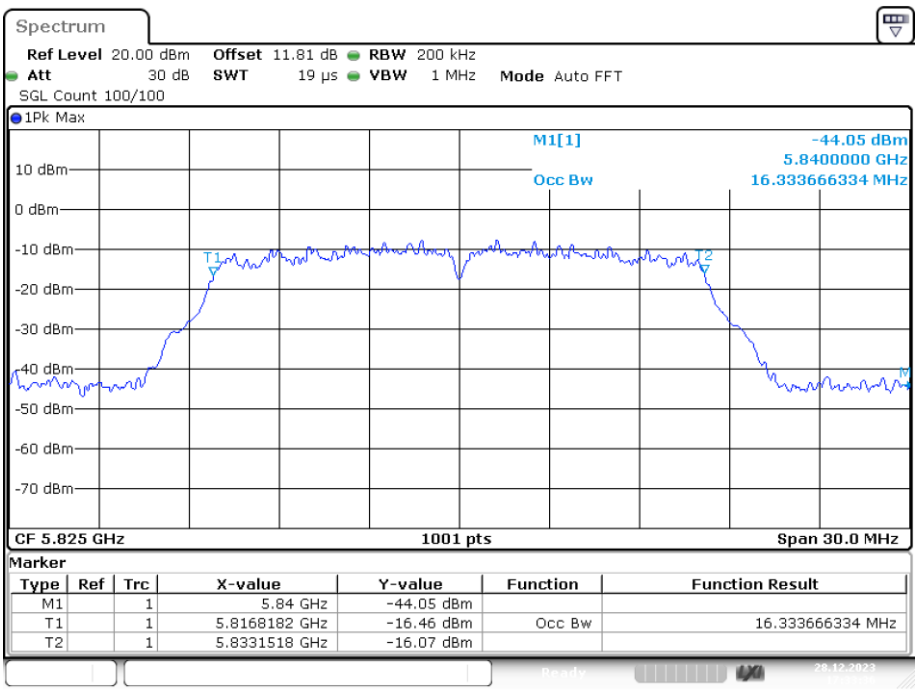
Date: 28.DEC.2023 17:28:24

OBW NVNT a 5785MHz Ant1



Date: 28.DEC.2023 17:31:39

OBW NVNT a 5825MHz Ant1



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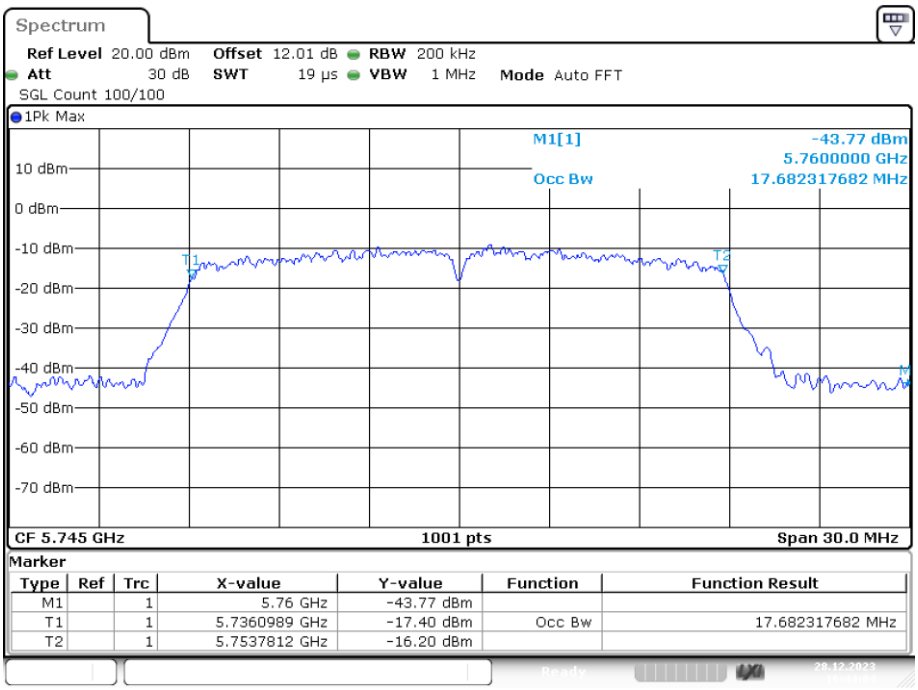
OBW NVNT ac20 5745MHz Ant1



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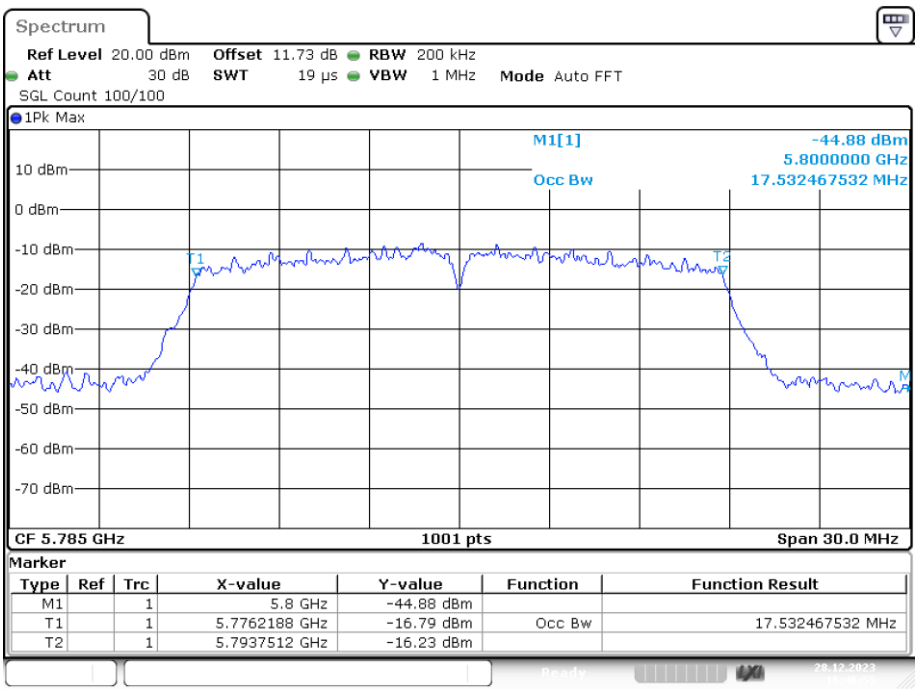

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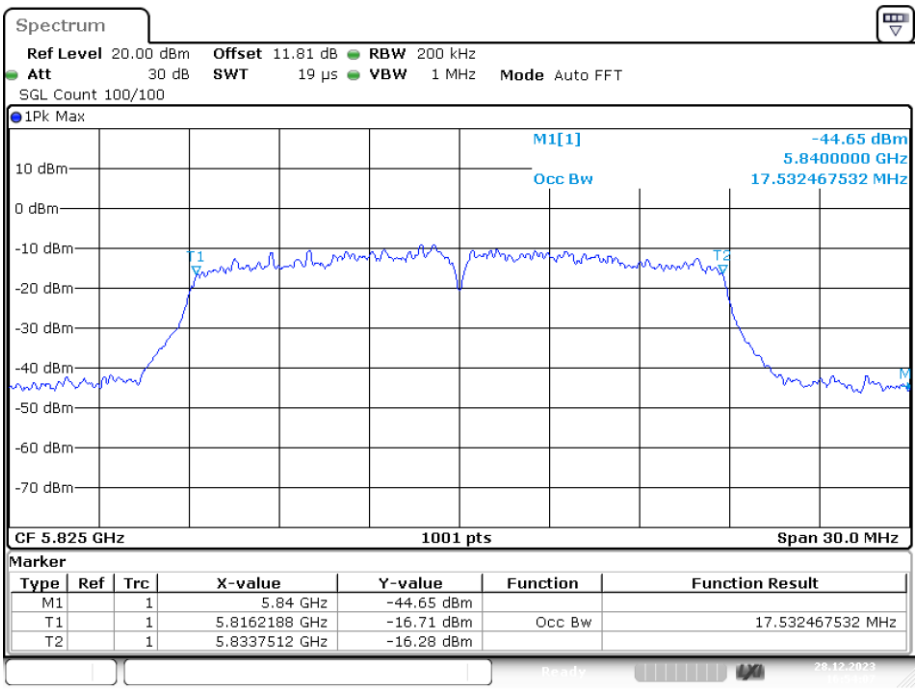

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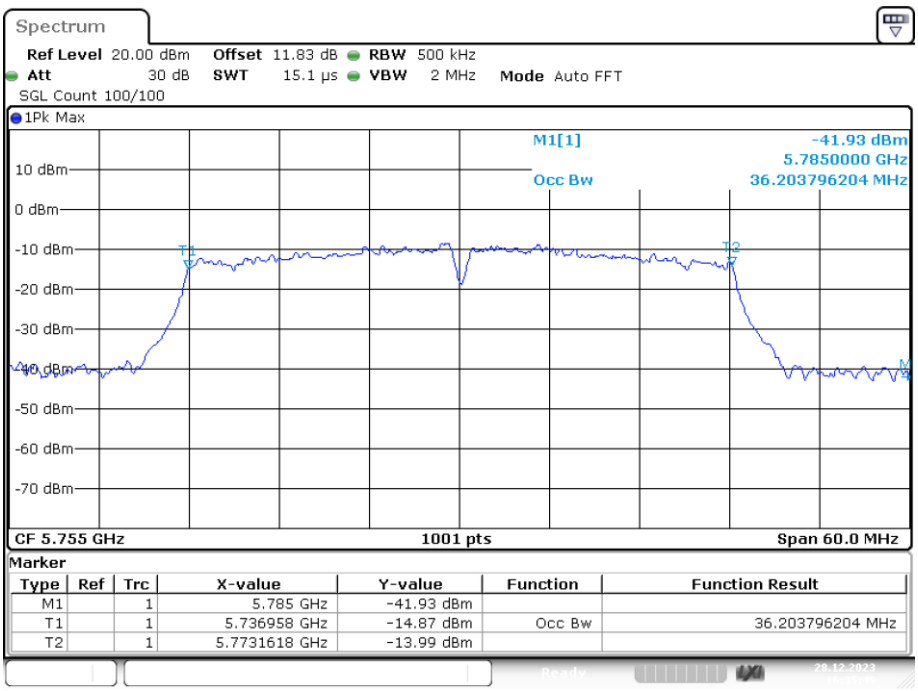
OBW NVNT ac40 5755MHz Ant1



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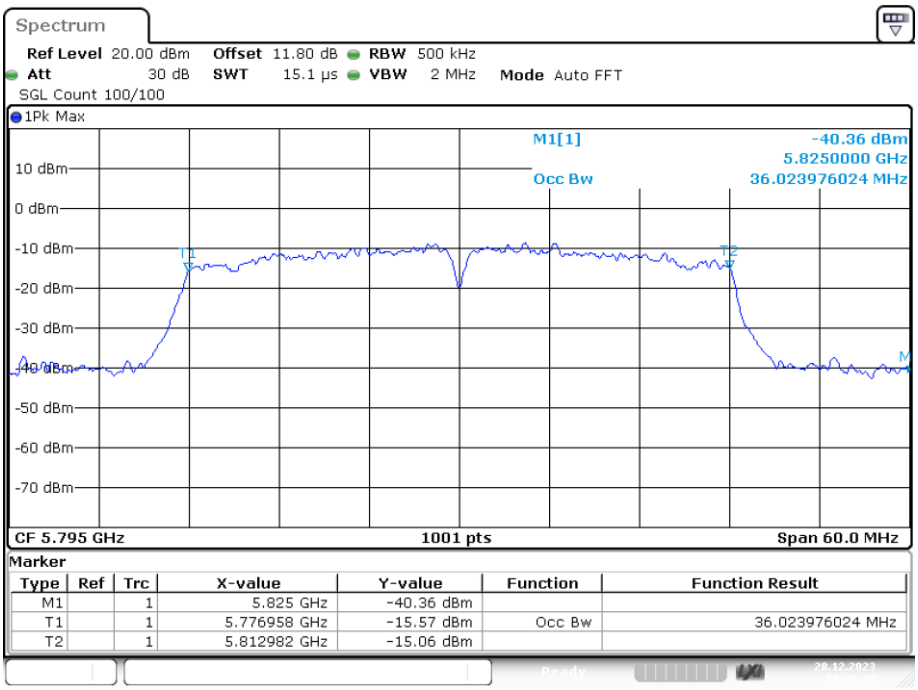
OBW NVNT ac40 5795MHz Ant1



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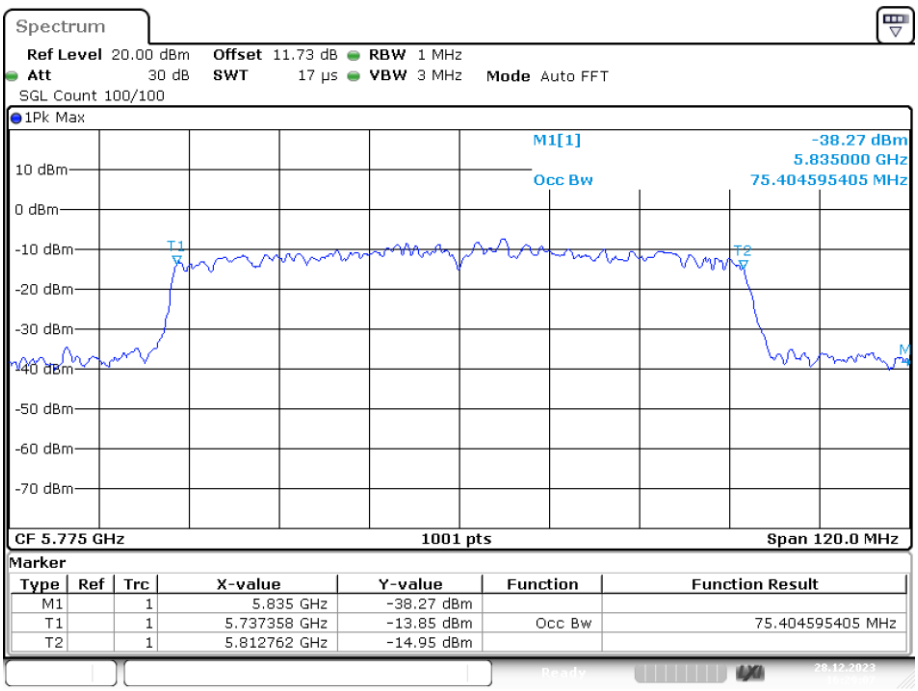

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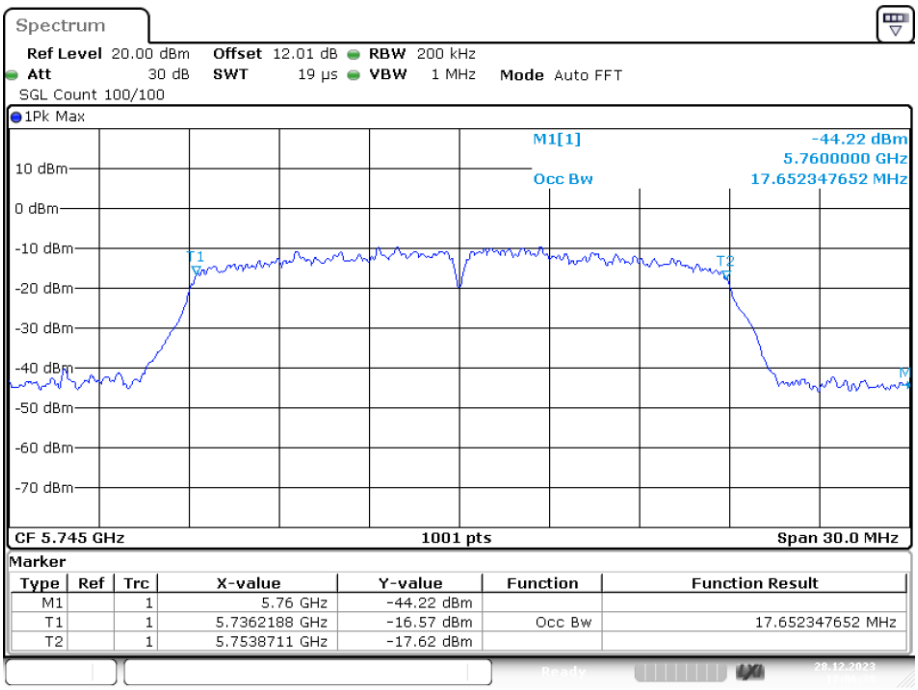
OBW NVNT n20 5745MHz Ant1



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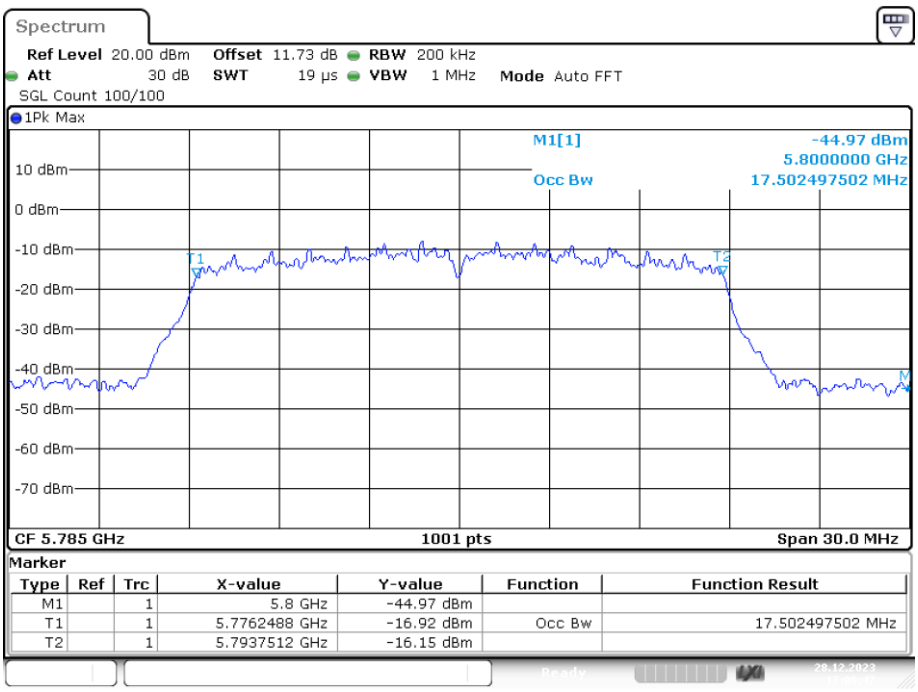
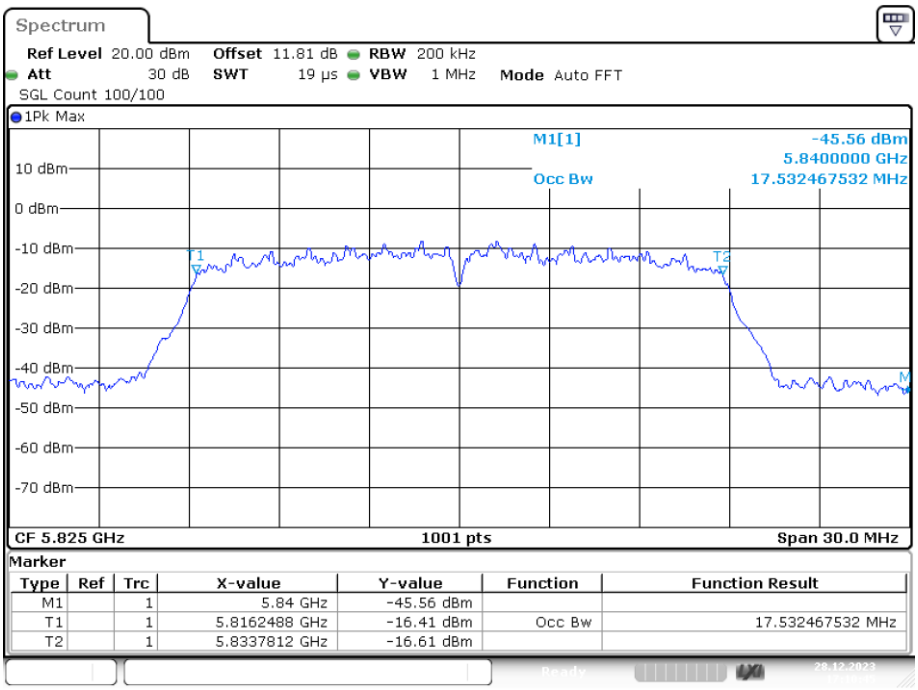
OBW NVNT n20 5785MHz Ant1



Date: 28.DEC.2023 17:08:47

OBW NVNT n20 5825MHz Ant1



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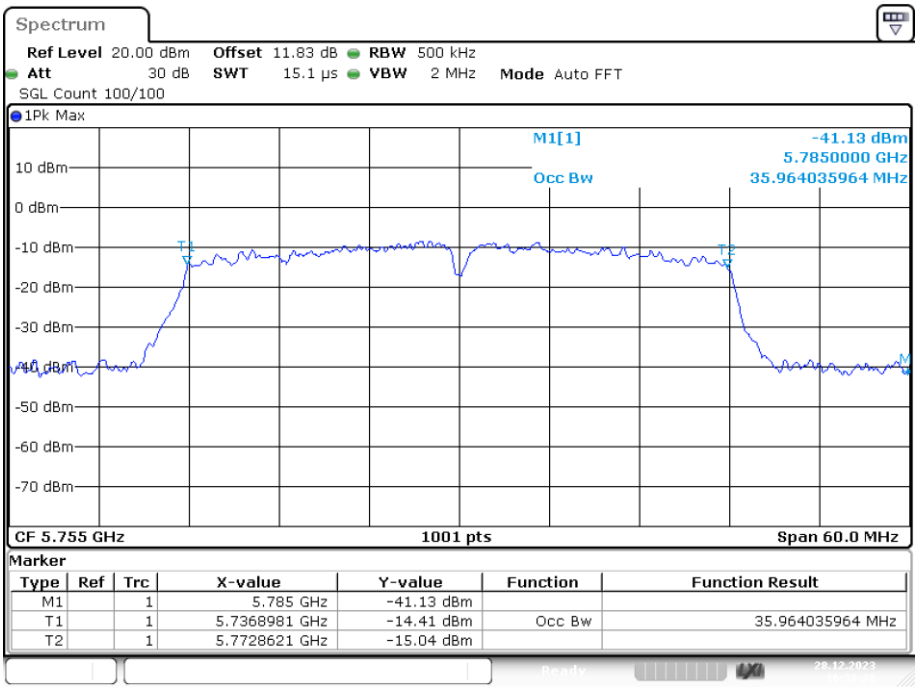
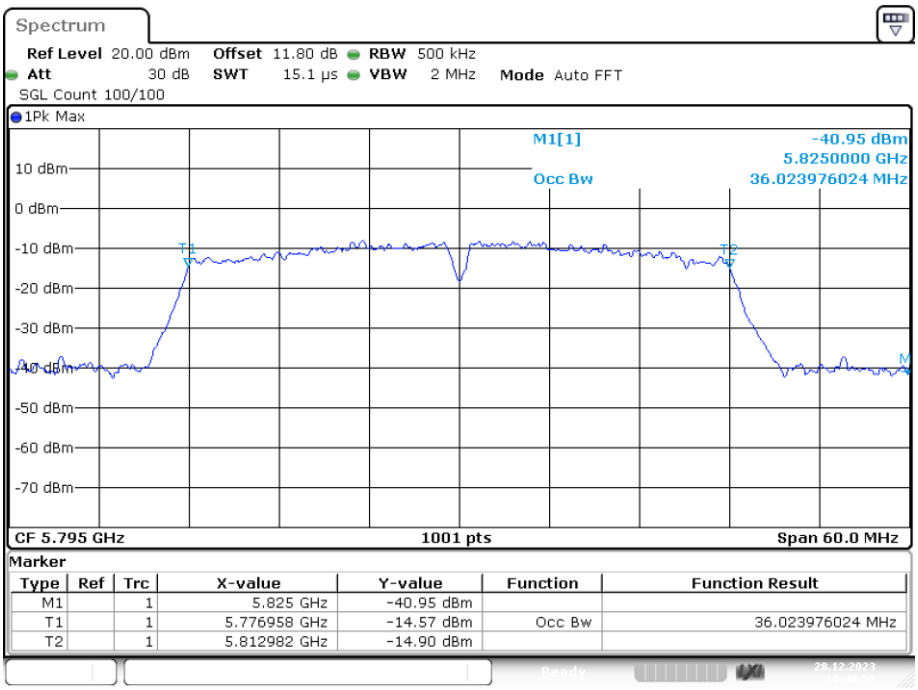
OBW NVNT n40 5755MHz Ant1



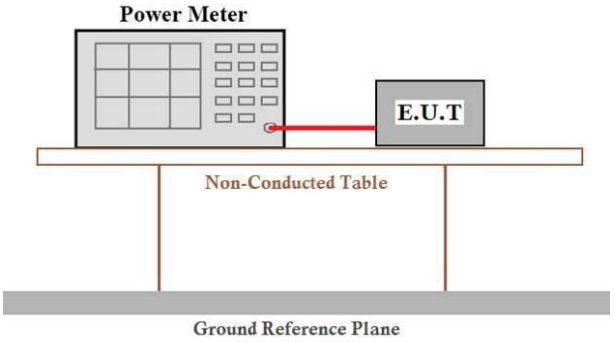
Date: 28.DEC.2023 16:38:27

OBW NVNT n40 5795MHz Ant1



Date: 28.DEC.2023 16:40:57

4.4 Peak Transmit Power

Test Requirement:	FCC Part15 E Section 15.407, RSS-247 Issue 2
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	For the band 5.15-5.25GHz, 5.25-5.35GHz, 5.47-5.725GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 250mW. For the band 5.725-5.85GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 1W.
Test setup:	
Test procedure:	**Measurement using an RF average power meter** (i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied a) The EUT is configured to transmit continuously or to transmit with a constant duty cycle. b) At all times when the EUT is transmitting, it must be transmitting at its maximum power control level. c) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five. (ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in section B). (iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter. (iv) Adjust the measurement in dBm by adding 10 log(1/x) where x is the duty cycle (e.g., 10log(1/0.25) if the duty cycle is 25 percent).
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Measurement Data

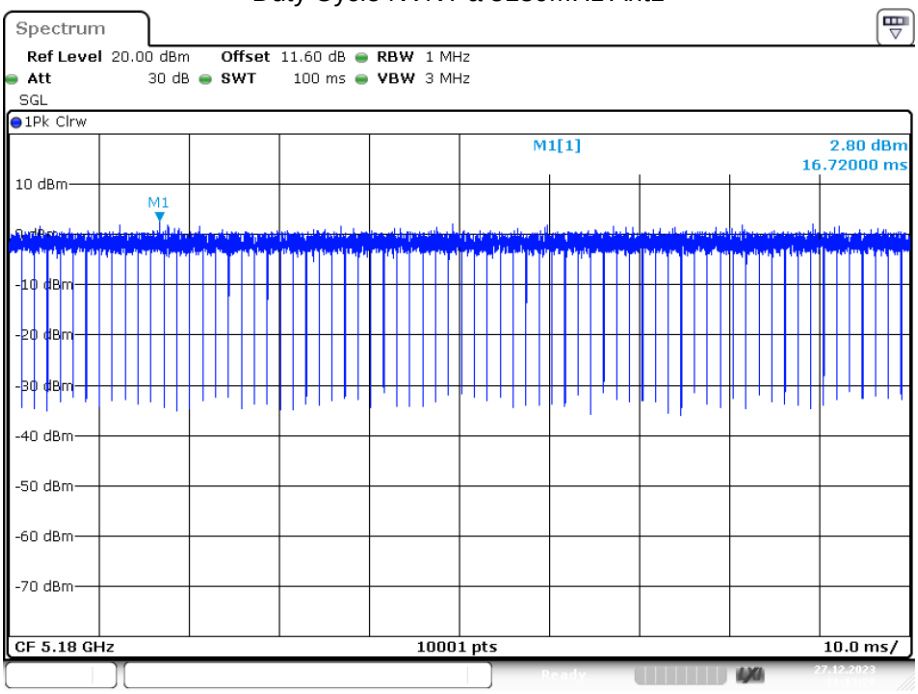
Band 1 (5150-5250 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	1.248	6.208	24	Pass
NVNT	a	5200	Ant1	1.35	6.31	24	Pass
NVNT	a	5240	Ant1	1.644	6.604	24	Pass
NVNT	ac20	5180	Ant1	1.584	6.544	24	Pass
NVNT	ac20	5200	Ant1	1.698	6.658	24	Pass
NVNT	ac20	5240	Ant1	1.414	6.374	24	Pass
NVNT	ac40	5190	Ant1	1.811	6.771	24	Pass
NVNT	ac40	5230	Ant1	2.005	6.965	24	Pass
NVNT	ac80	5210	Ant1	1.721	6.681	24	Pass
NVNT	n20	5180	Ant1	1.823	6.783	24	Pass
NVNT	n20	5200	Ant1	1.898	6.858	24	Pass
NVNT	n20	5240	Ant1	1.578	6.538	24	Pass
NVNT	n40	5190	Ant1	1.668	6.628	24	Pass
NVNT	n40	5230	Ant1	1.532	6.492	24	Pass

Duty Cycle

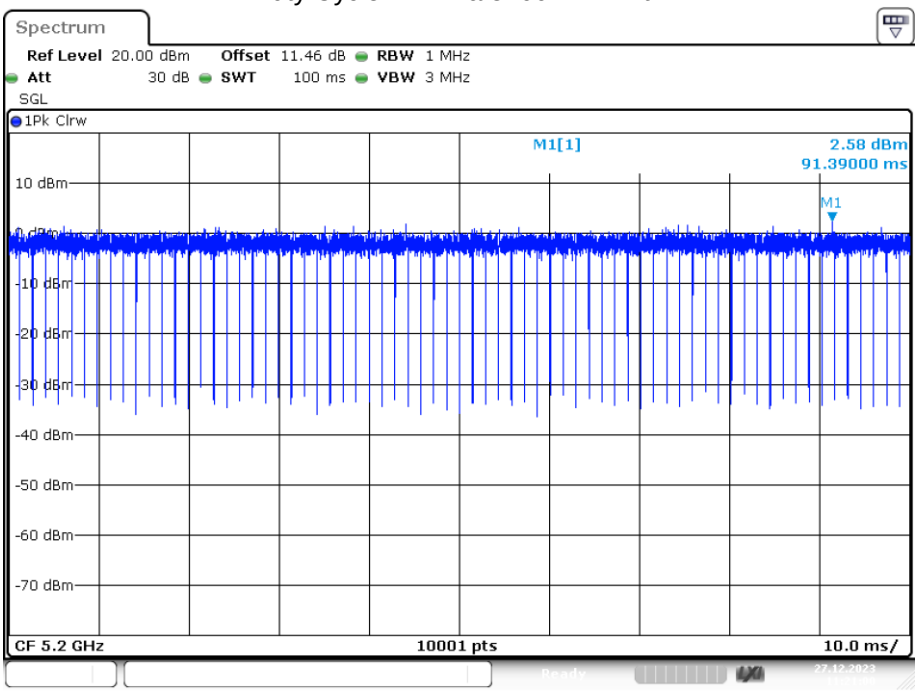
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	100	0
NVNT	a	5200	Ant1	100	0
NVNT	a	5240	Ant1	100	0
NVNT	ac20	5180	Ant1	100	0
NVNT	ac20	5200	Ant1	100	0
NVNT	ac20	5240	Ant1	100	0
NVNT	ac40	5190	Ant1	100	0
NVNT	ac40	5230	Ant1	100	0
NVNT	ac80	5210	Ant1	100	0
NVNT	n20	5180	Ant1	100	0
NVNT	n20	5200	Ant1	100	0
NVNT	n20	5240	Ant1	100	0
NVNT	n40	5190	Ant1	100	0
NVNT	n40	5230	Ant1	100	0

Duty Cycle NVNT a 5180MHz Ant1



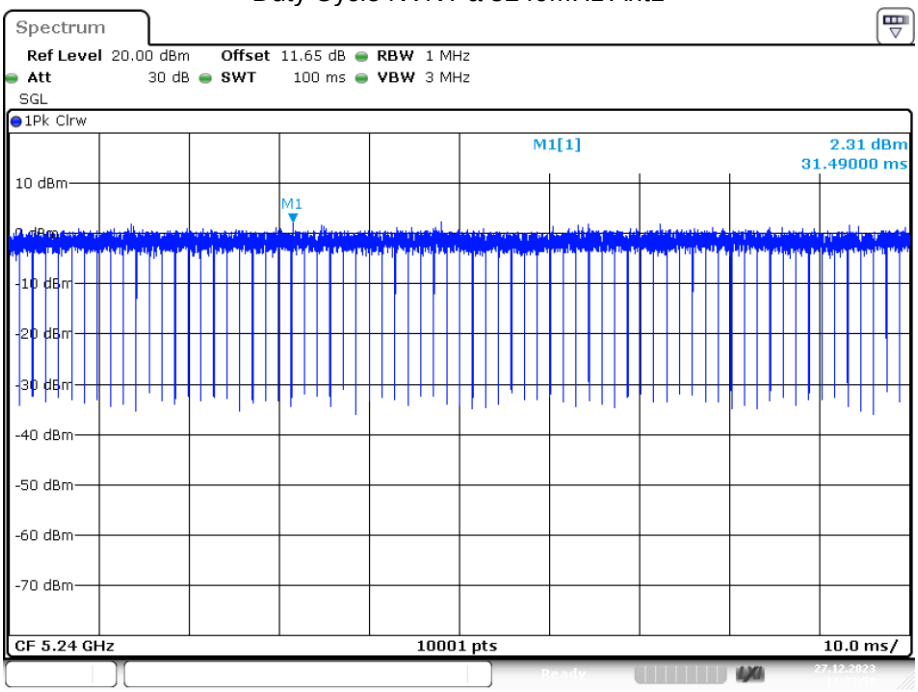
Date: 27.DEC.2023 11:13:27

Duty Cycle NVNT a 5200MHz Ant1



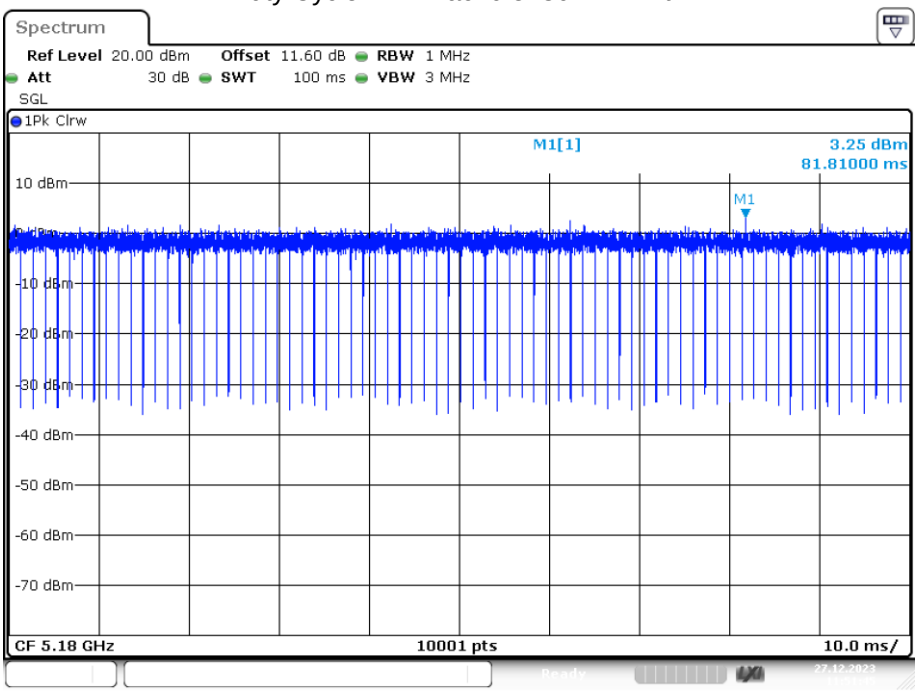
Date: 27.DEC.2023 11:21:00

Duty Cycle NVNT a 5240MHz Ant1



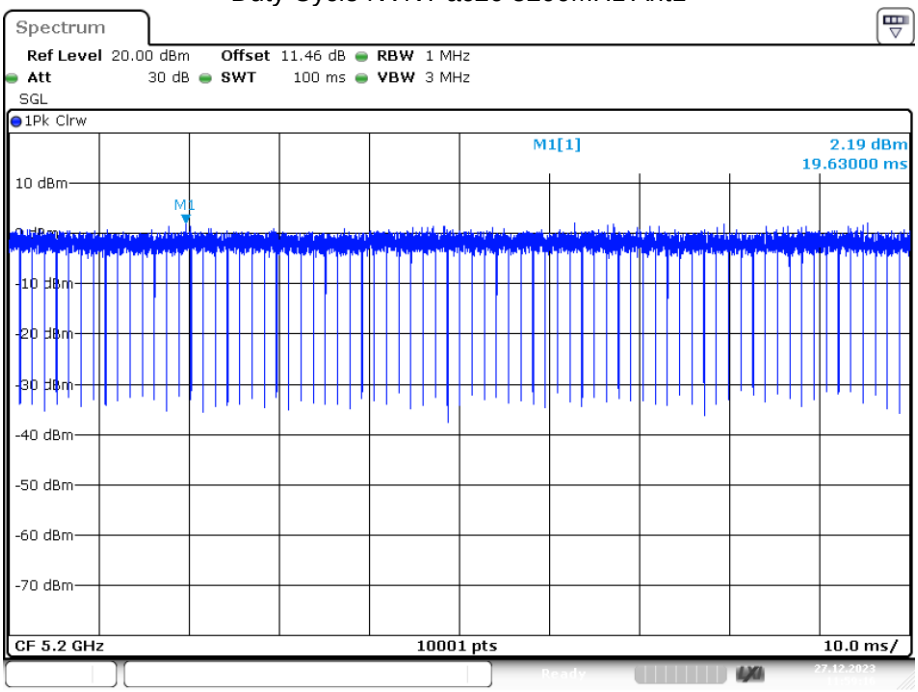
Date: 27.DEC.2023 11:23:50

Duty Cycle NVNT ac20 5180MHz Ant1



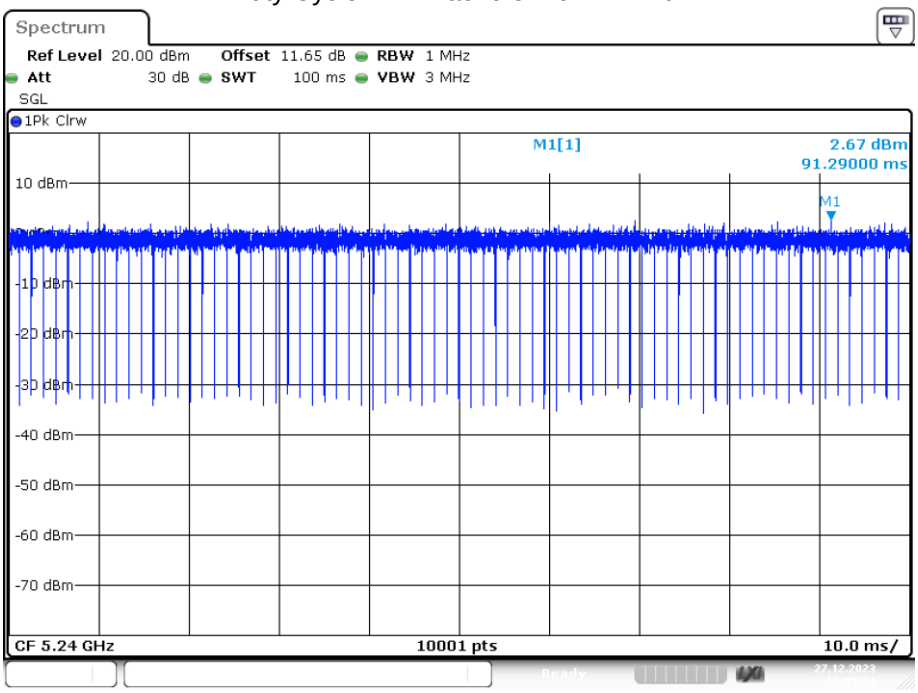
Date: 27.DEC.2023 11:51:45

Duty Cycle NVNT ac20 5200MHz Ant1



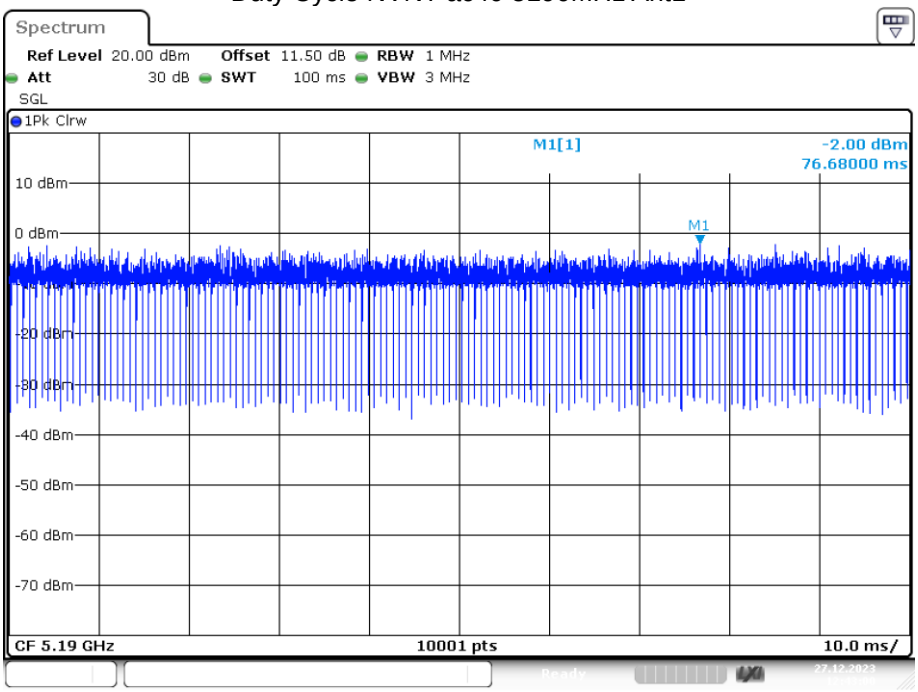
Date: 27.DEC.2023 11:59:16

Duty Cycle NVNT ac20 5240MHz Ant1



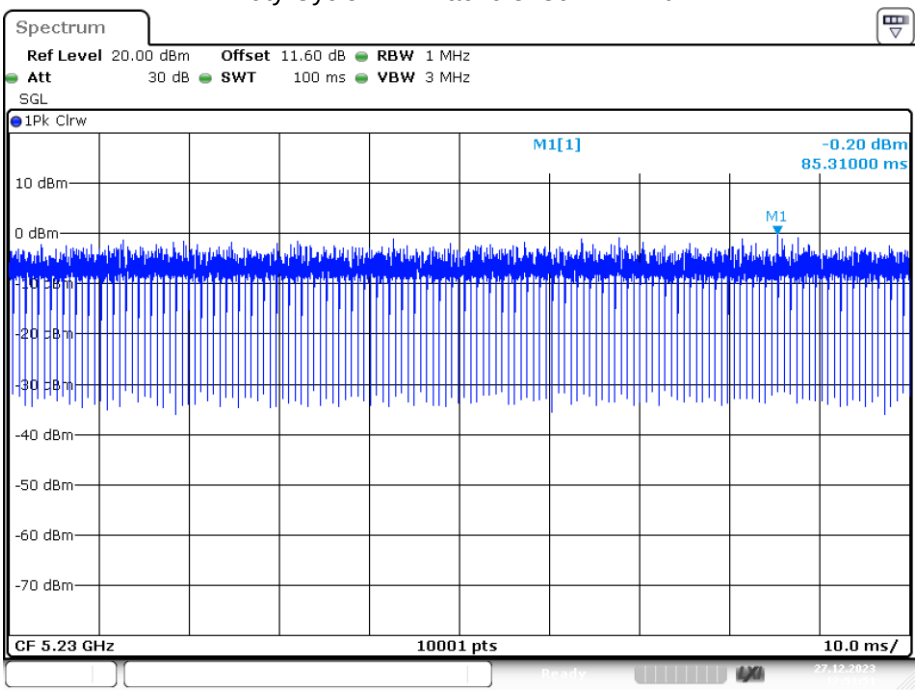
Date: 27.DEC.2023 12:05:31

Duty Cycle NVNT ac40 5190MHz Ant1



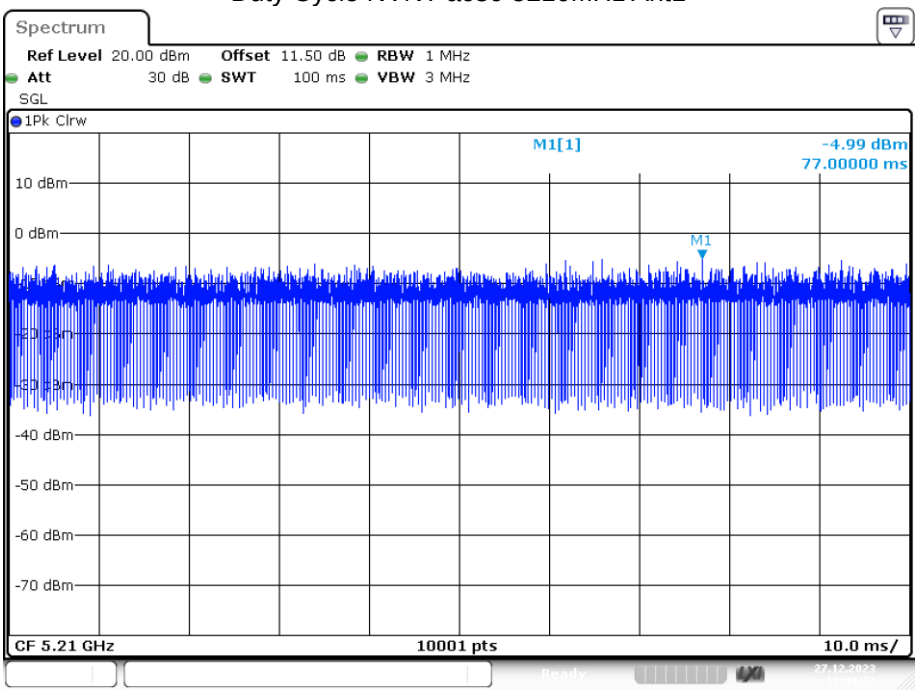
Date: 27.DEC.2023 12:43:00

Duty Cycle NVNT ac40 5230MHz Ant1



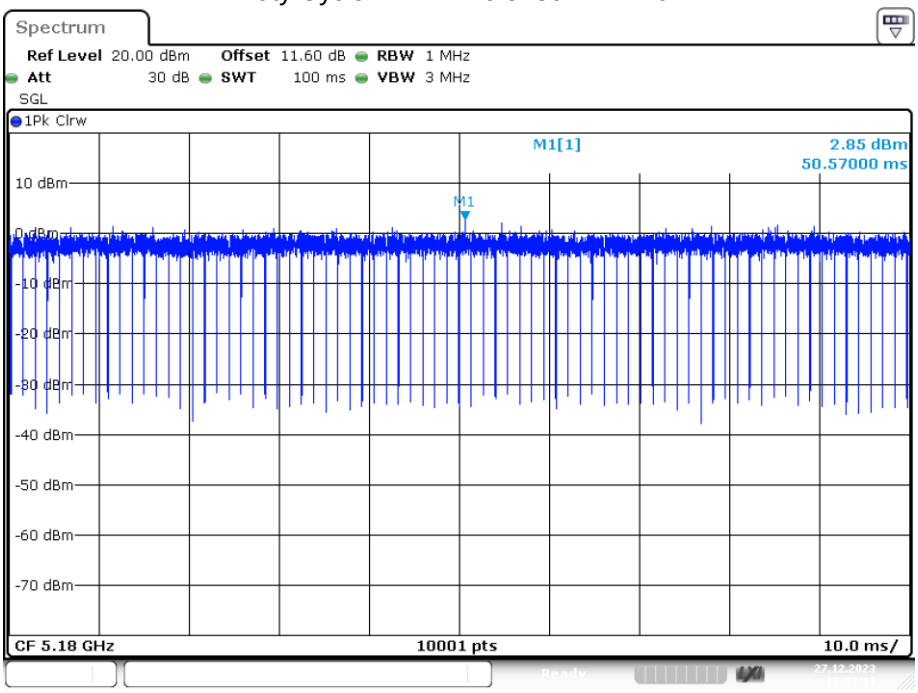
Date: 27.DEC.2023 12:51:51

Duty Cycle NVNT ac80 5210MHz Ant1



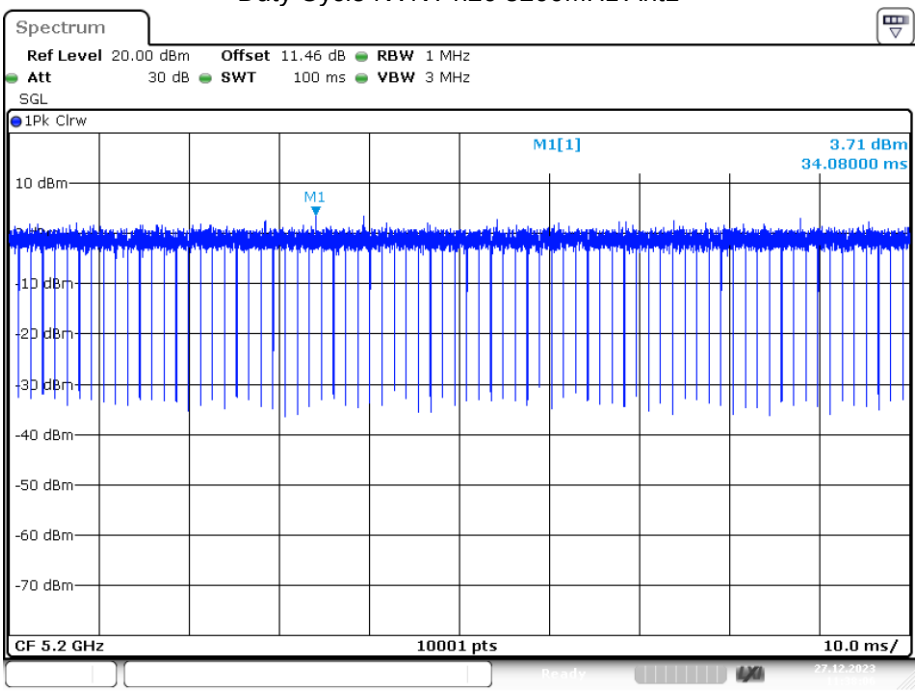
Date: 27.DEC.2023 13:44:32

Duty Cycle NVNT n20 5180MHz Ant1



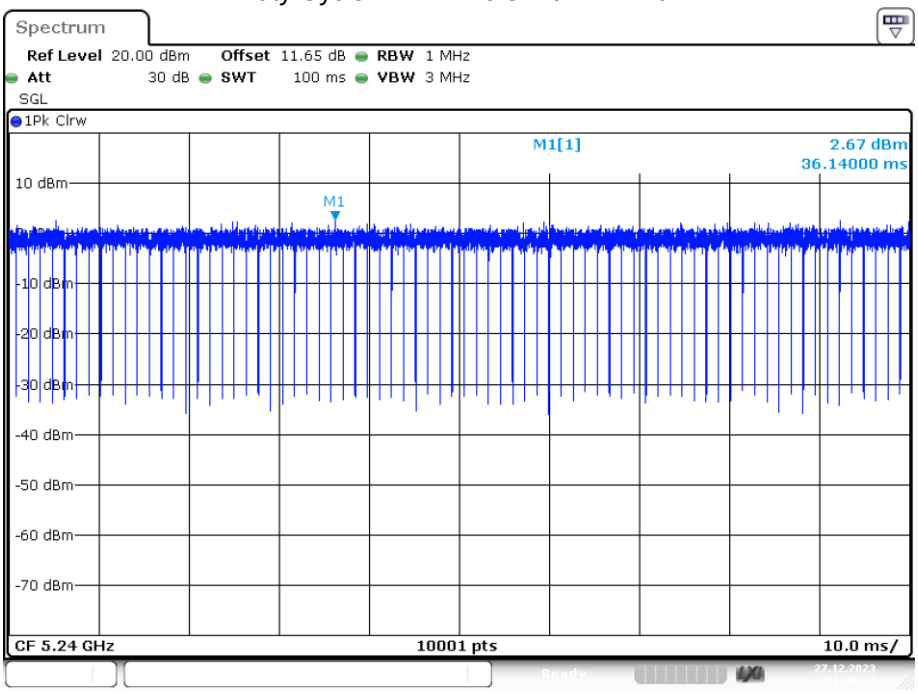
Date: 27.DEC.2023 11:33:11

Duty Cycle NVNT n20 5200MHz Ant1



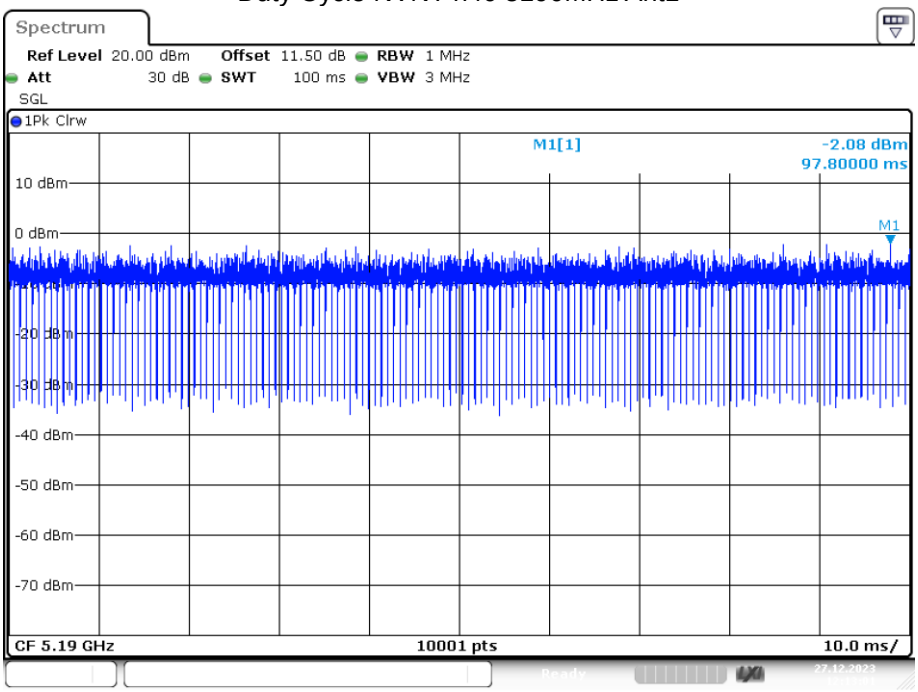
Date: 27.DEC.2023 11:38:05

Duty Cycle NVNT n20 5240MHz Ant1



Date: 27.DEC.2023 11:46:23

Duty Cycle NVNT n40 5190MHz Ant1



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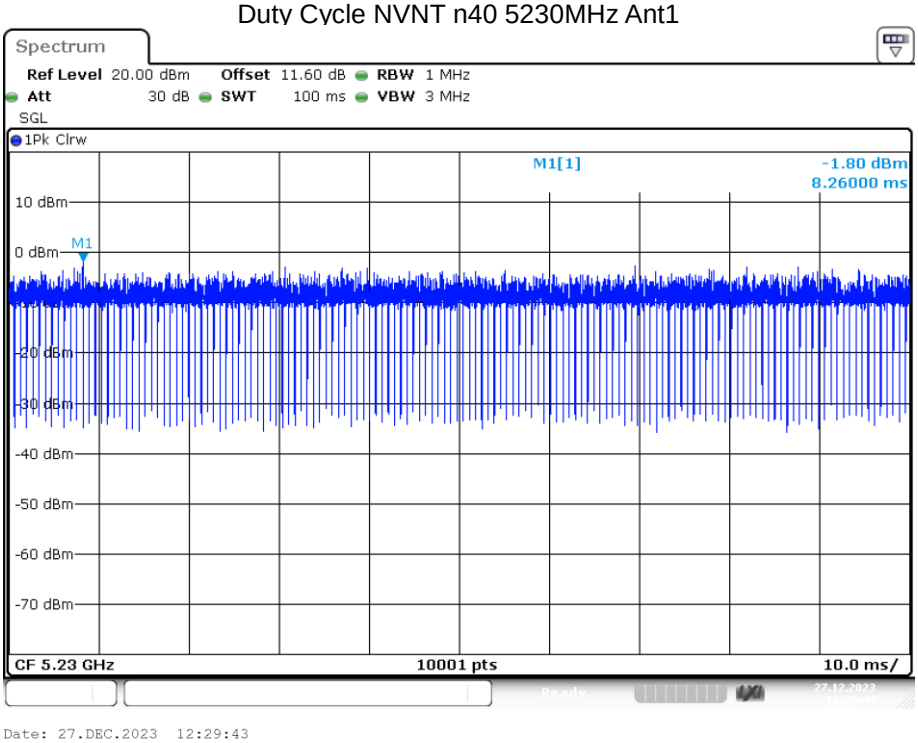
Duty Cycle NVNT n40 5230MHz Ant1



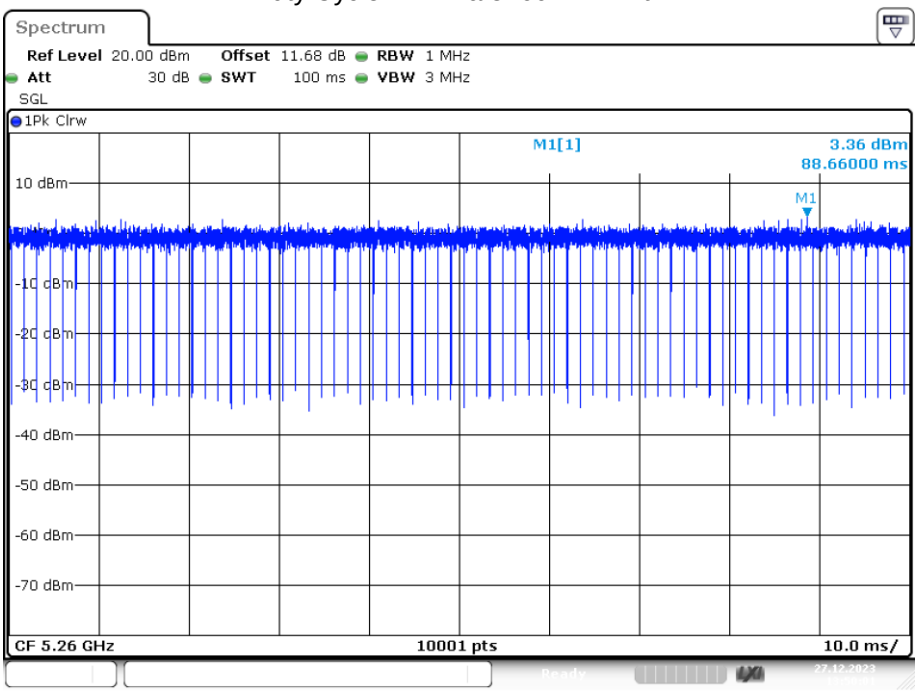
Band 2 (5250 -5350 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	1.405	6.365	24	Pass
NVNT	a	5280	Ant1	2.003	6.963	24	Pass
NVNT	a	5320	Ant1	1.808	6.768	24	Pass
NVNT	ac20	5260	Ant1	1.245	6.205	24	Pass
NVNT	ac20	5280	Ant1	1.607	6.567	24	Pass
NVNT	ac20	5320	Ant1	1.385	6.345	24	Pass
NVNT	ac40	5270	Ant1	1.8	6.76	24	Pass
NVNT	ac40	5310	Ant1	1.728	6.688	24	Pass
NVNT	ac80	5290	Ant1	1.392	6.352	24	Pass
NVNT	n20	5260	Ant1	1.88	6.84	24	Pass
NVNT	n20	5280	Ant1	1.645	6.605	24	Pass
NVNT	n20	5320	Ant1	1.631	6.591	24	Pass
NVNT	n40	5270	Ant1	1.649	6.609	24	Pass
NVNT	n40	5310	Ant1	1.498	6.458	24	Pass

Duty Cycle

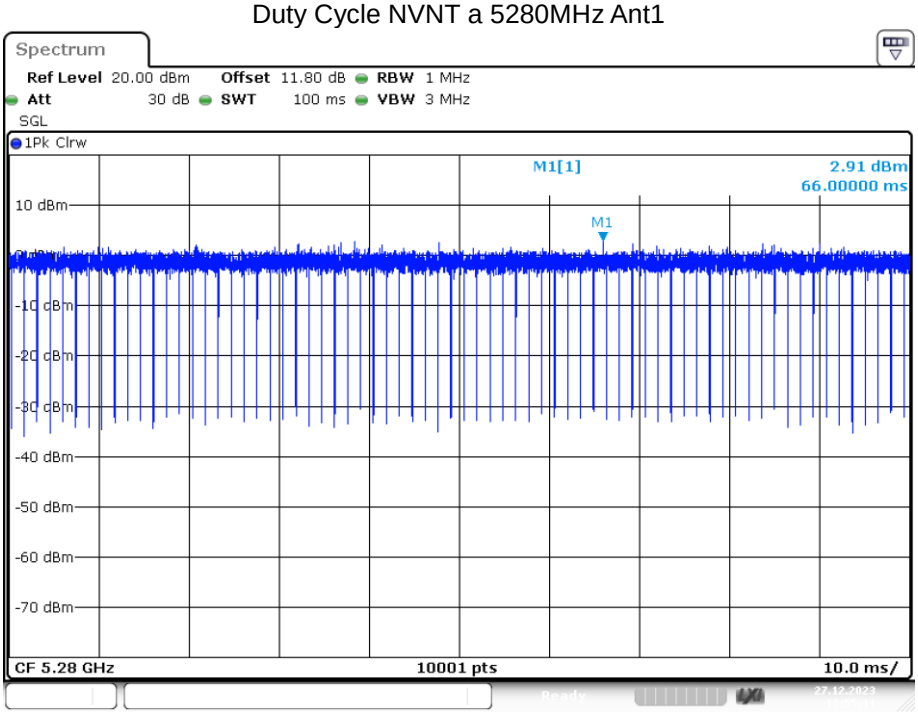
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5260	Ant1	100	0
NVNT	a	5280	Ant1	100	0
NVNT	a	5320	Ant1	100	0
NVNT	ac20	5260	Ant1	100	0
NVNT	ac20	5280	Ant1	100	0
NVNT	ac20	5320	Ant1	100	0
NVNT	ac40	5270	Ant1	100	0
NVNT	ac40	5310	Ant1	100	0
NVNT	ac80	5290	Ant1	100	0
NVNT	n20	5260	Ant1	100	0
NVNT	n20	5280	Ant1	100	0
NVNT	n20	5320	Ant1	100	0
NVNT	n40	5270	Ant1	100	0
NVNT	n40	5310	Ant1	100	0

Duty Cycle NVNT a 5260MHz Ant1



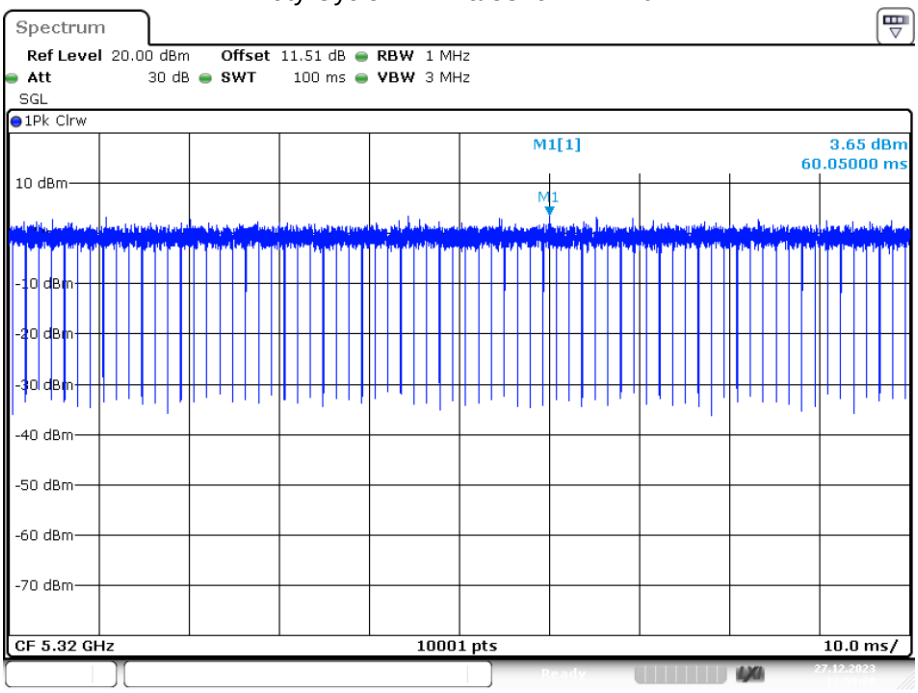
Date: 27.DEC.2023 13:50:00

Duty Cycle NVNT a 5280MHz Ant1



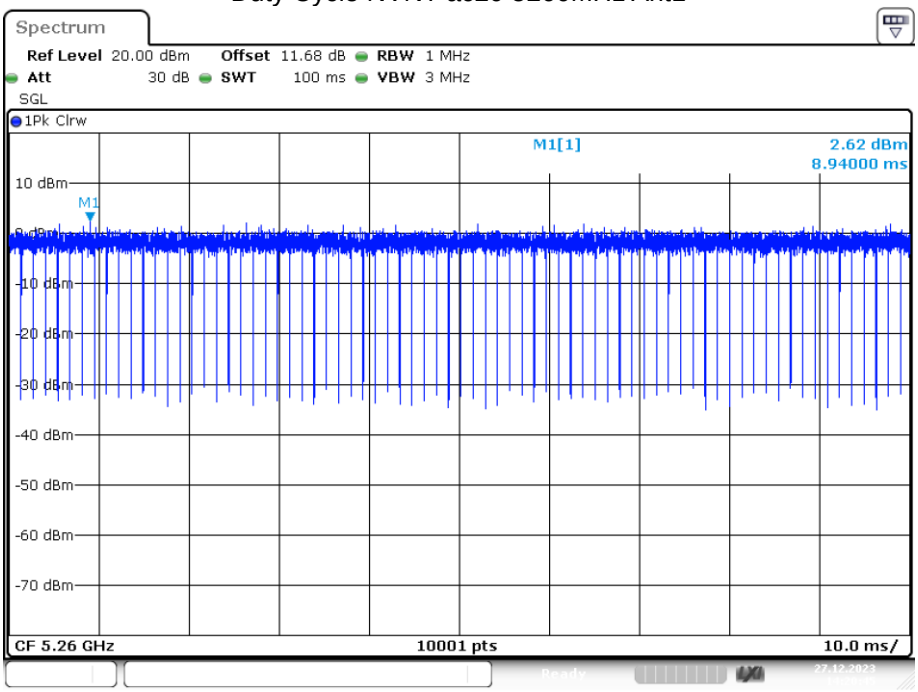
Date: 27.DEC.2023 13:55:12

Duty Cycle NVNT a 5320MHz Ant1



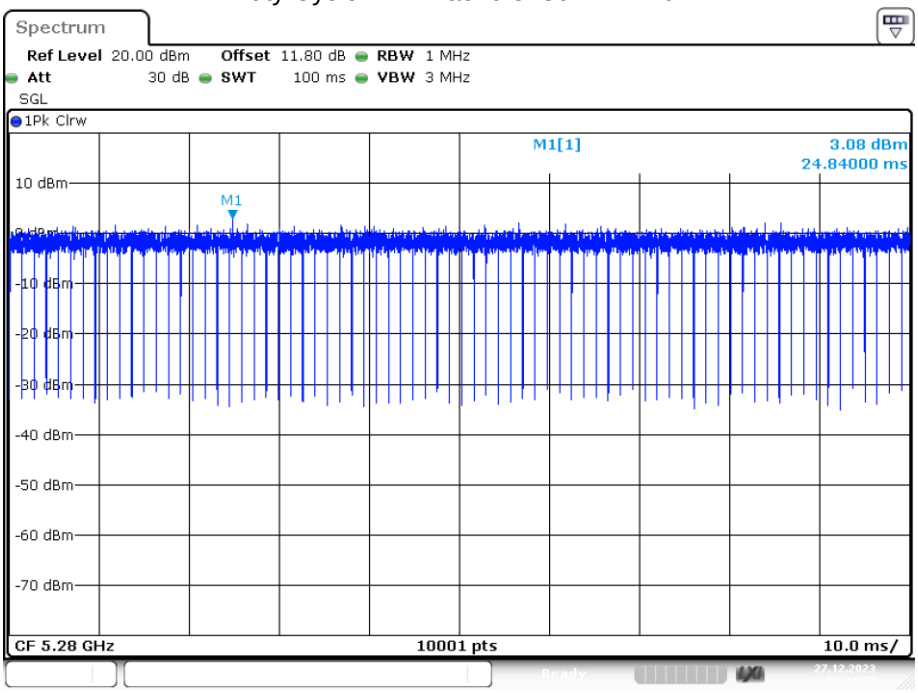
Date: 27.DEC.2023 13:59:08

Duty Cycle NVNT ac20 5260MHz Ant1



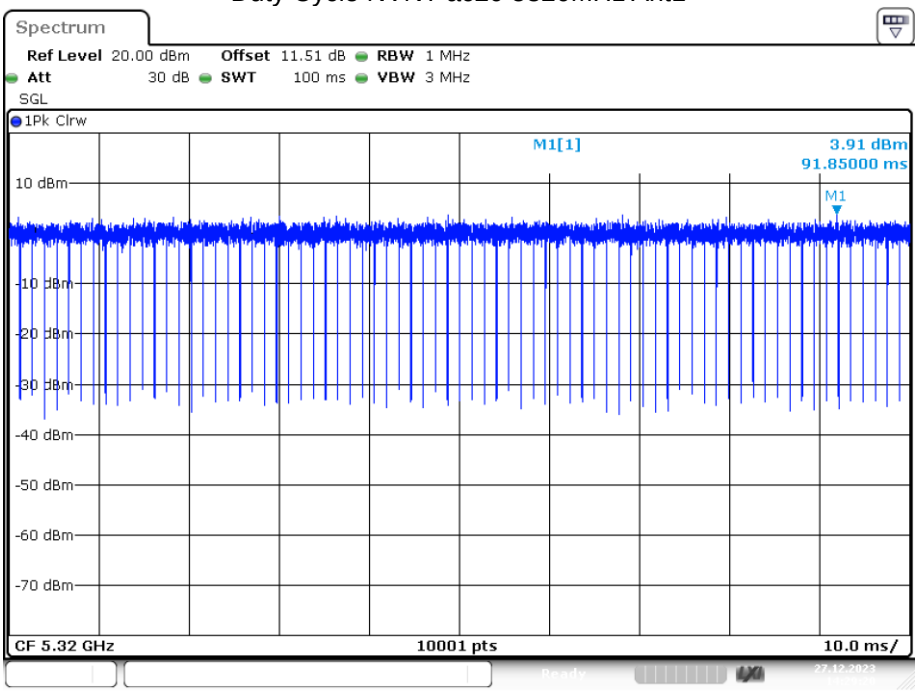
Date: 27.DEC.2023 14:20:45

Duty Cycle NVNT ac20 5280MHz Ant1



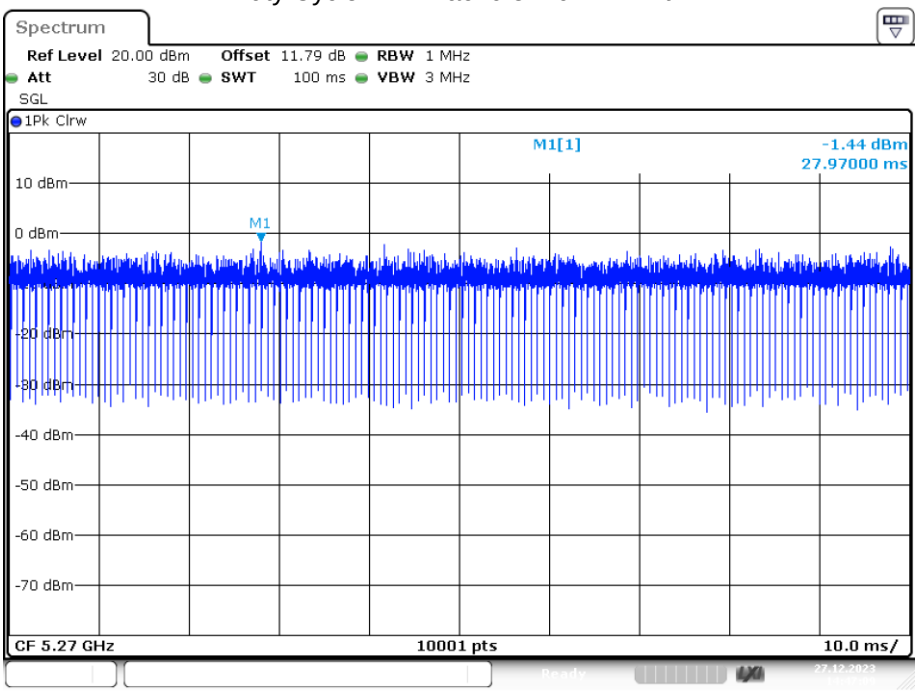
Date: 27.DEC.2023 14:24:27

Duty Cycle NVNT ac20 5320MHz Ant1



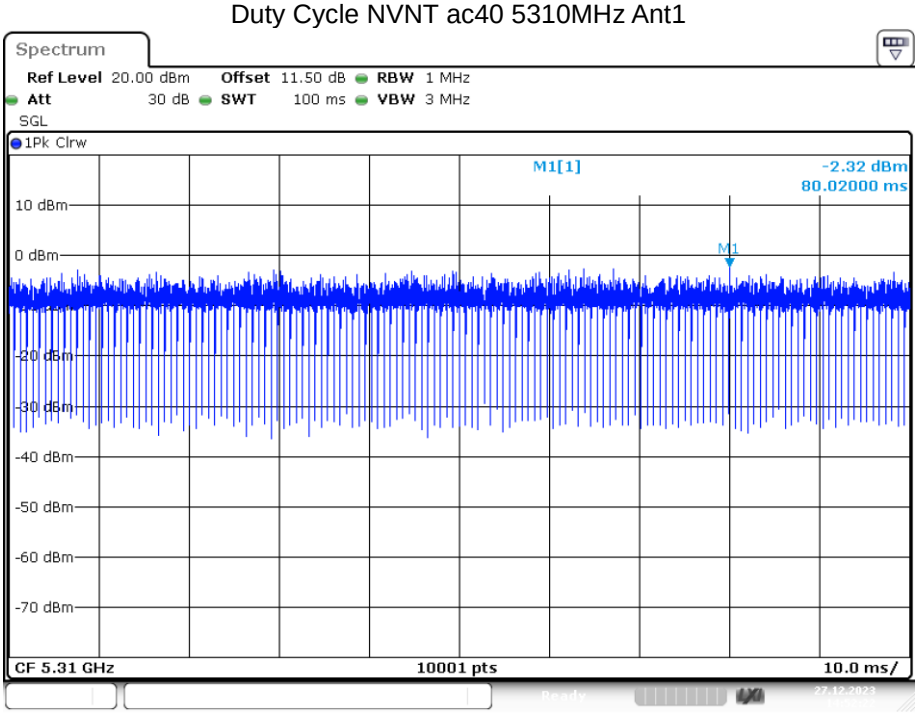
Date: 27.DEC.2023 14:29:20

Duty Cycle NVNT ac40 5270MHz Ant1



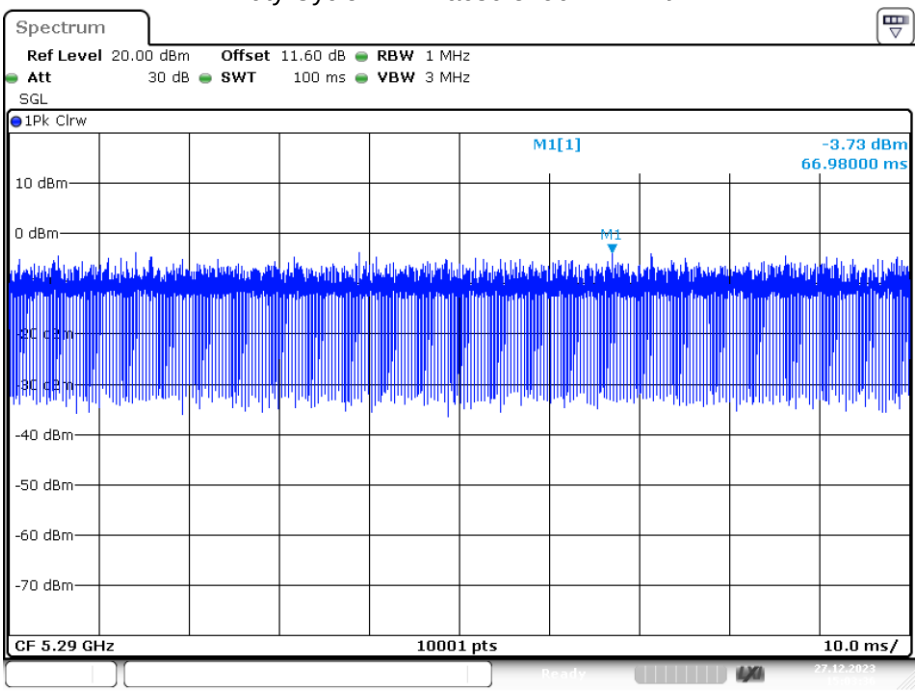
Date: 27.DEC.2023 14:47:09

Duty Cycle NVNT ac40 5310MHz Ant1



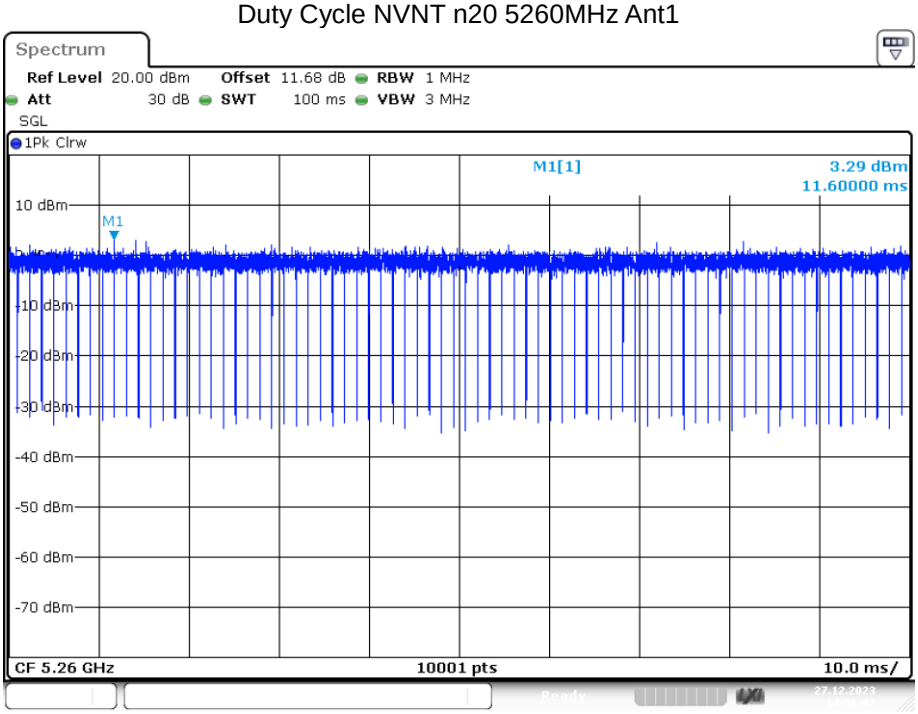
Date: 27.DEC.2023 14:52:22

Duty Cycle NVNT ac80 5290MHz Ant1



Date: 27.DEC.2023 15:03:36

Duty Cycle NVNT n20 5260MHz Ant1



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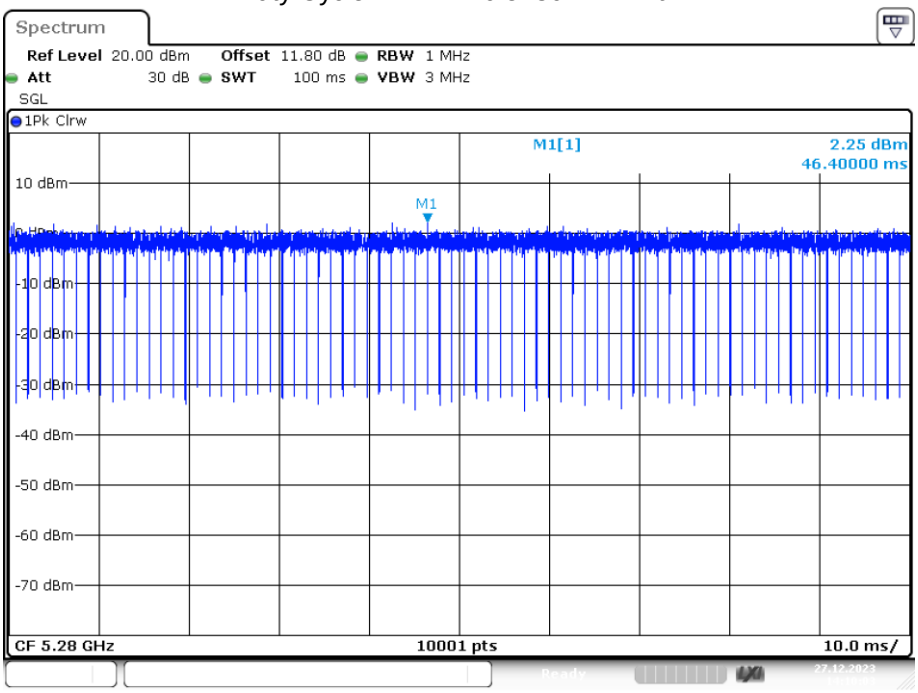
Duty Cycle NVNT n20 5280MHz Ant1



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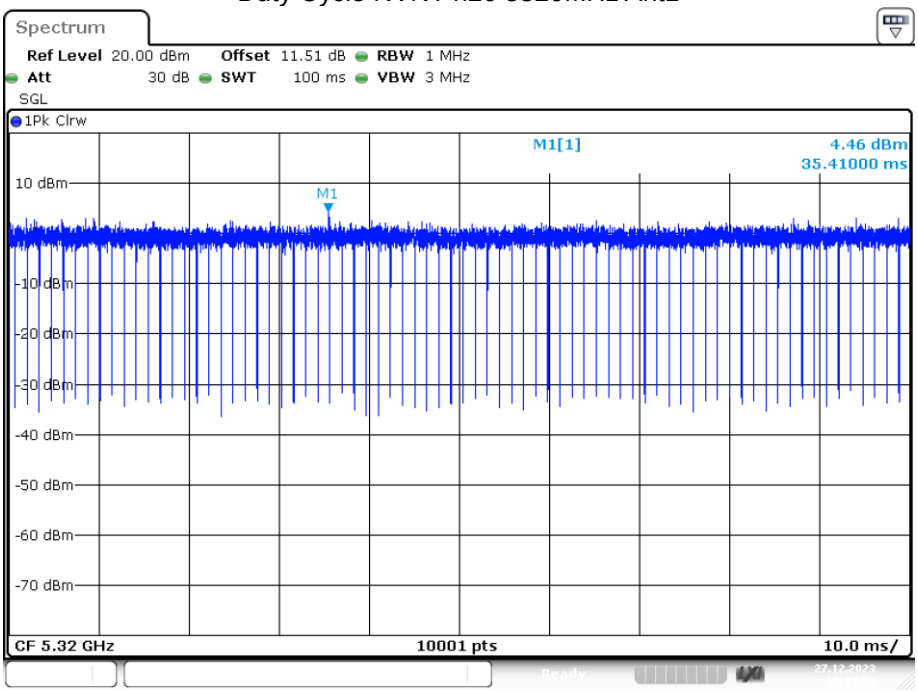
Duty Cycle NVNT n20 5320MHz Ant1



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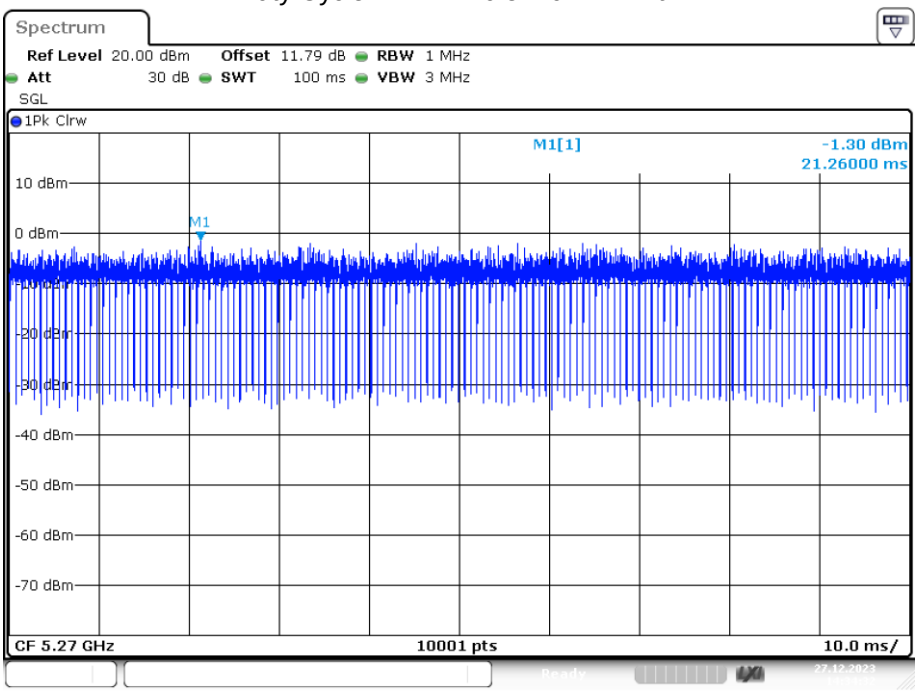
Duty Cycle NVNT n40 5270MHz Ant1



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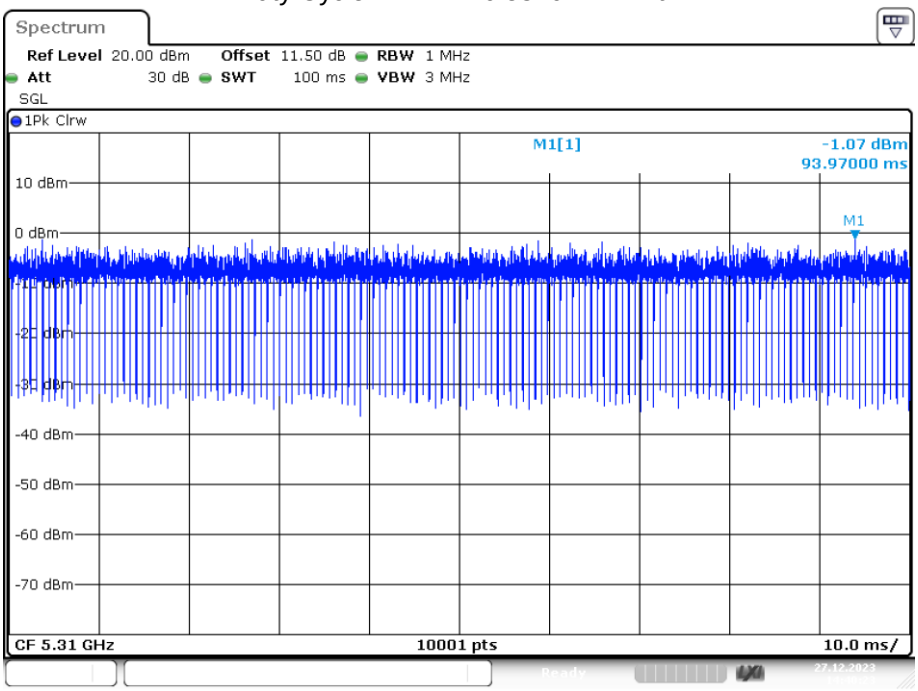
Duty Cycle NVNT n40 5310MHz Ant1



Date: 27.DEC.2023 14:40:23

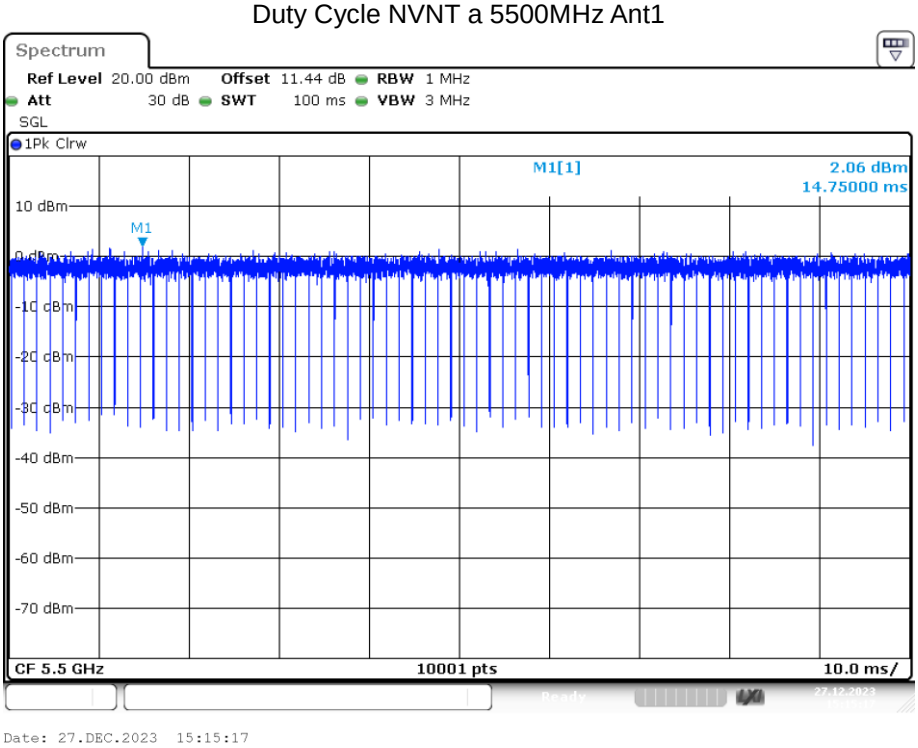
Band 3 (5470-5725 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	1.888	6.848	24	Pass
NVNT	a	5580	Ant1	1.496	6.456	24	Pass
NVNT	a	5700	Ant1	1.465	6.425	24	Pass
NVNT	ac20	5500	Ant1	1.919	6.879	24	Pass
NVNT	ac20	5580	Ant1	1.209	6.169	24	Pass
NVNT	ac20	5700	Ant1	1.96	6.92	24	Pass
NVNT	ac40	5510	Ant1	1.788	6.748	24	Pass
NVNT	ac40	5670	Ant1	1.738	6.698	24	Pass
NVNT	ac80	5530	Ant1	1.242	6.202	24	Pass
NVNT	n20	5500	Ant1	1.287	6.247	24	Pass
NVNT	n20	5580	Ant1	1.685	6.645	24	Pass
NVNT	n20	5700	Ant1	1.204	6.164	24	Pass
NVNT	n40	5510	Ant1	1.622	6.582	24	Pass
NVNT	n40	5670	Ant1	1.702	6.662	24	Pass

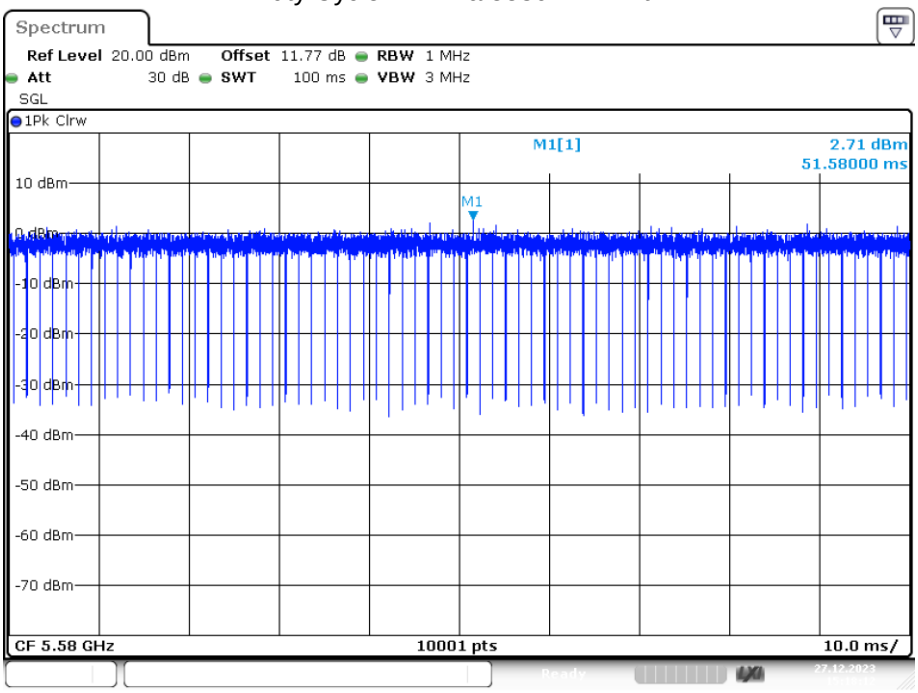
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5500	Ant1	100	0
NVNT	a	5580	Ant1	100	0
NVNT	a	5700	Ant1	100	0
NVNT	ac20	5500	Ant1	100	0
NVNT	ac20	5580	Ant1	100	0
NVNT	ac20	5700	Ant1	100	0
NVNT	ac40	5510	Ant1	100	0
NVNT	ac40	5670	Ant1	100	0
NVNT	ac80	5530	Ant1	100	0
NVNT	n20	5500	Ant1	100	0
NVNT	n20	5580	Ant1	100	0
NVNT	n20	5700	Ant1	100	0
NVNT	n40	5510	Ant1	100	0
NVNT	n40	5670	Ant1	100	0

Duty Cycle NVNT a 5500MHz Ant1



Duty Cycle NVNT a 5580MHz Ant1



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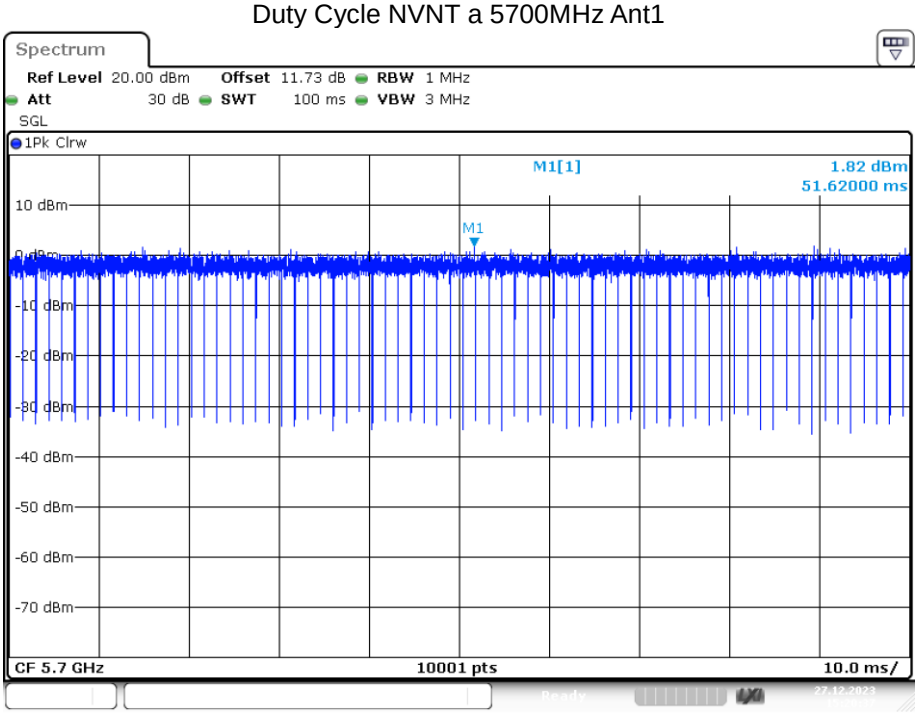
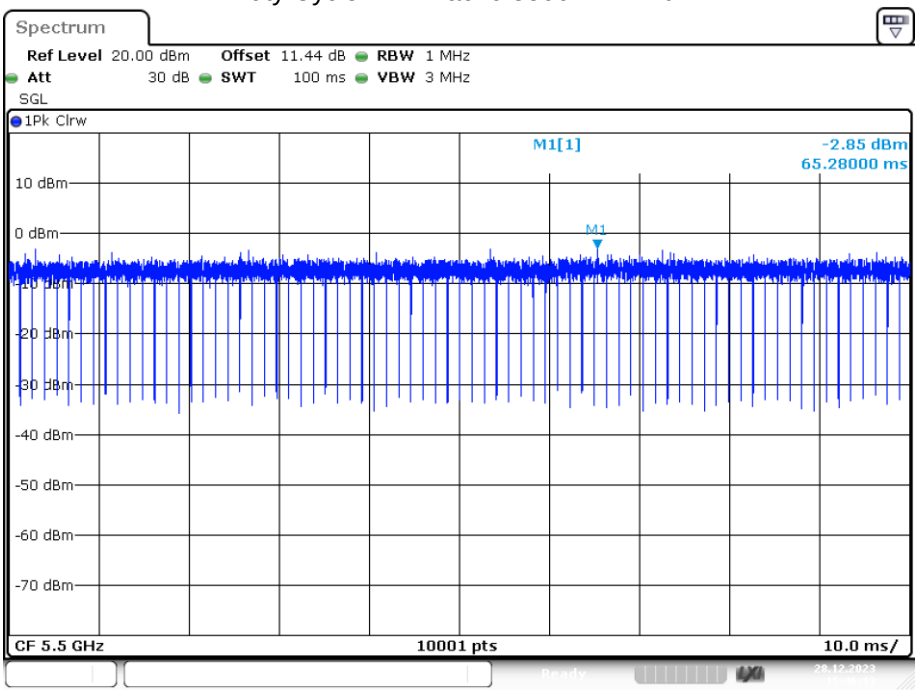
Duty Cycle NVNT a 5700MHz Ant1



Date: 27.DEC.2023 15:20:37

Duty Cycle NVNT ac20 5500MHz Ant1



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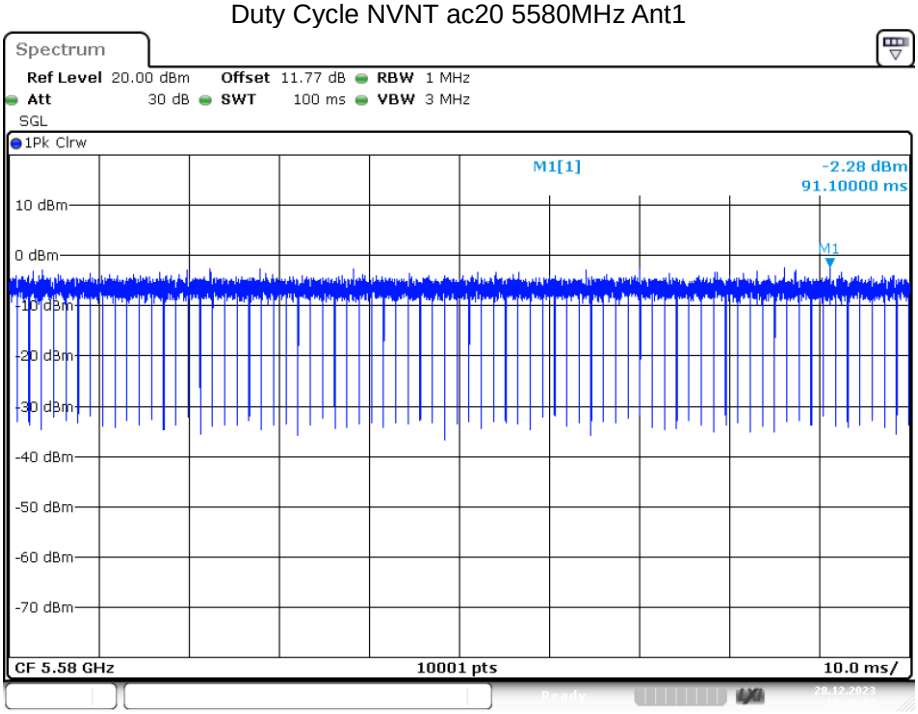
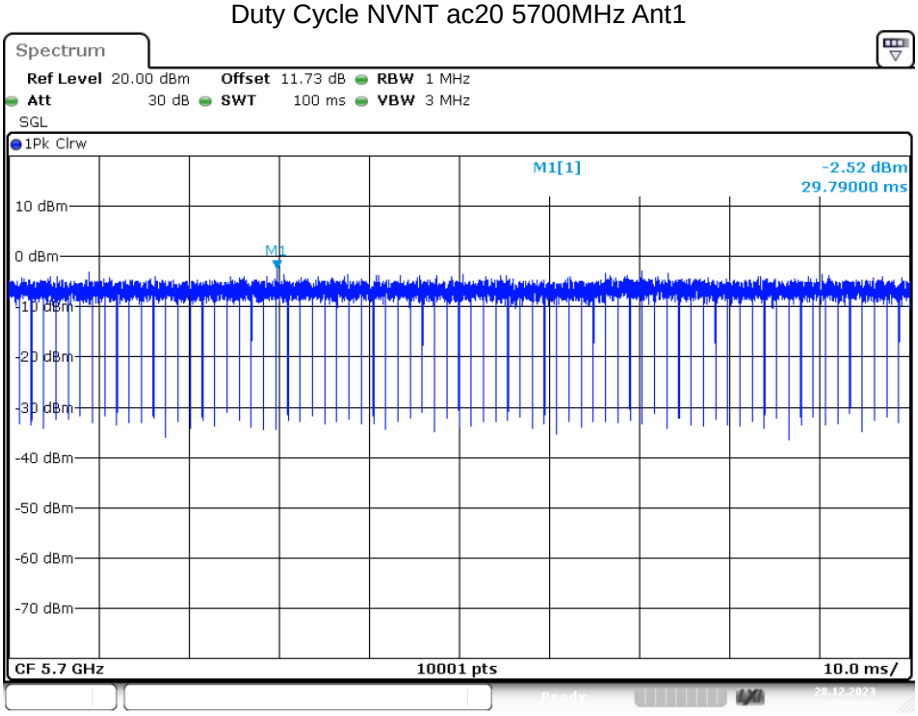
Duty Cycle NVNT ac20 5580MHz Ant1



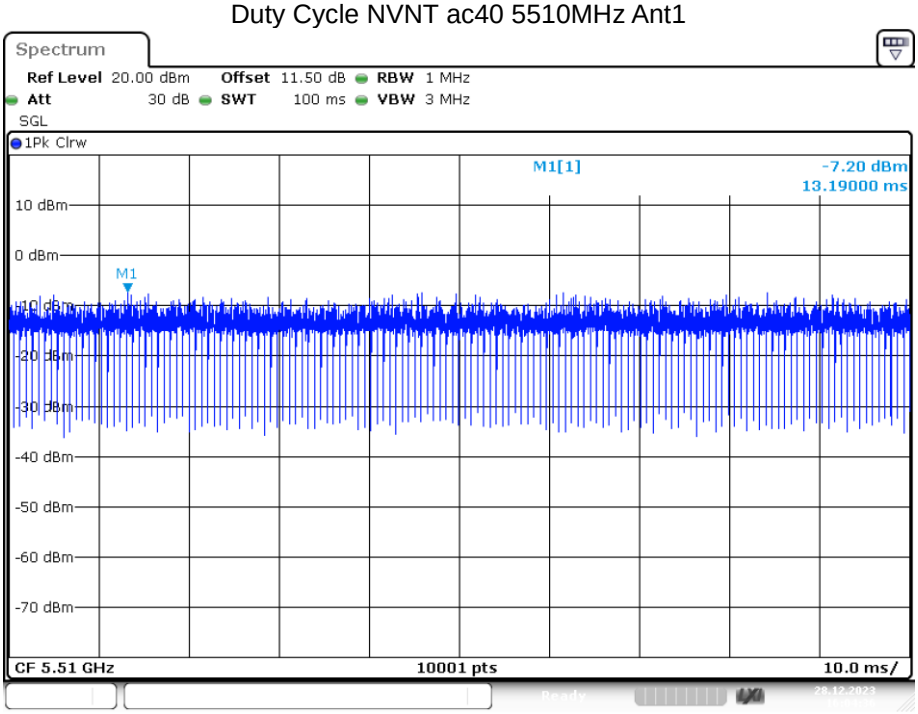
Date: 28.DEC.2023 15:49:07

Duty Cycle NVNT ac20 5700MHz Ant1



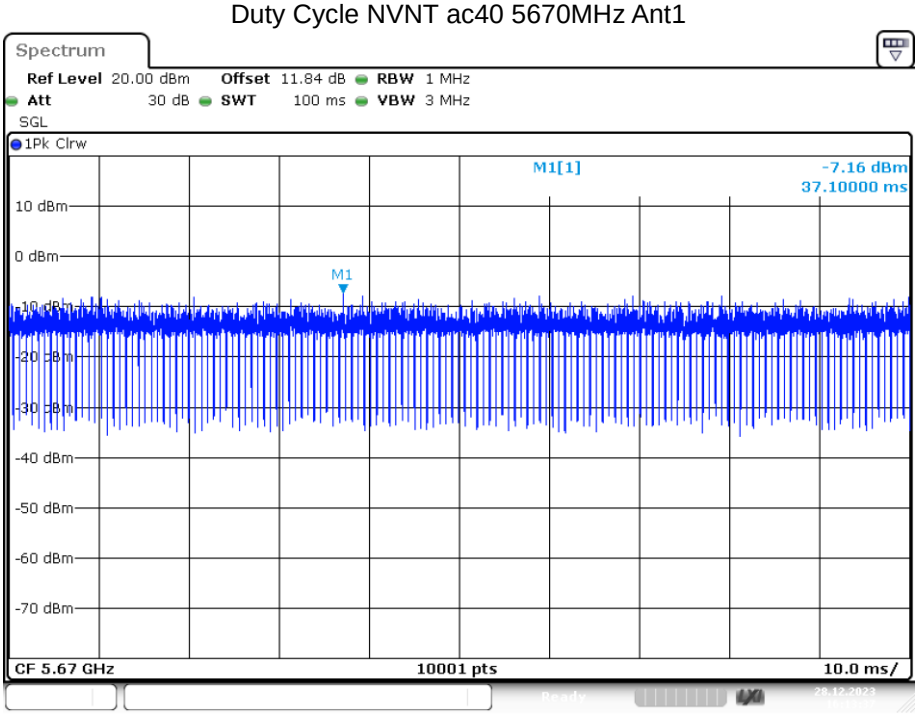
Date: 28.DEC.2023 15:52:24

Duty Cycle NVNT ac40 5510MHz Ant1



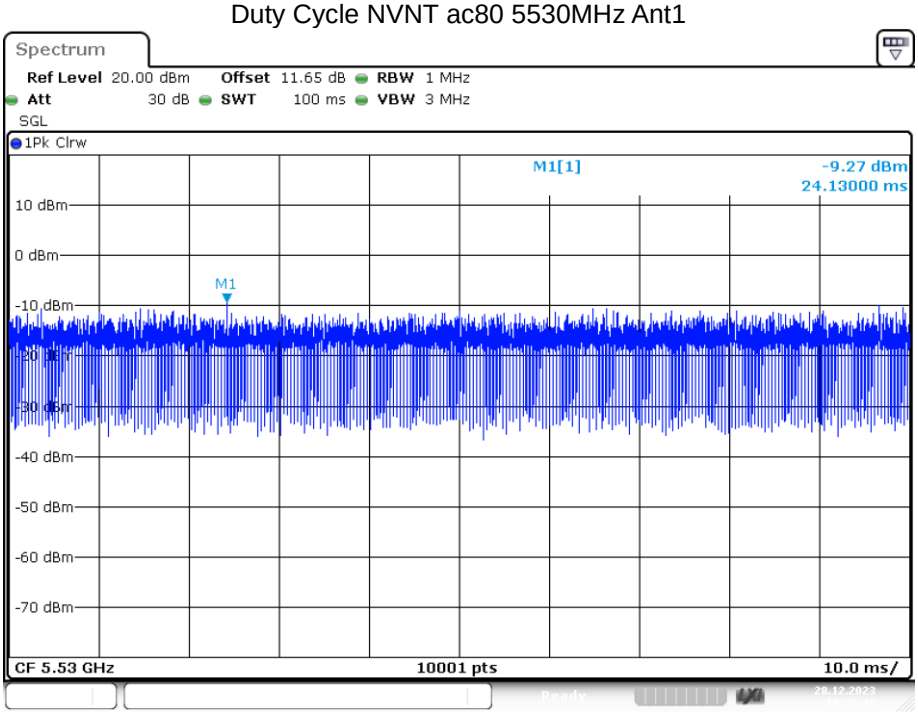
Date: 28.DEC.2023 16:04:36

Duty Cycle NVNT ac40 5670MHz Ant1



Date: 28.DEC.2023 16:13:37

Duty Cycle NVNT ac80 5530MHz Ant1



Date: 28.DEC.2023 16:25:48