APPENDIX: Test data

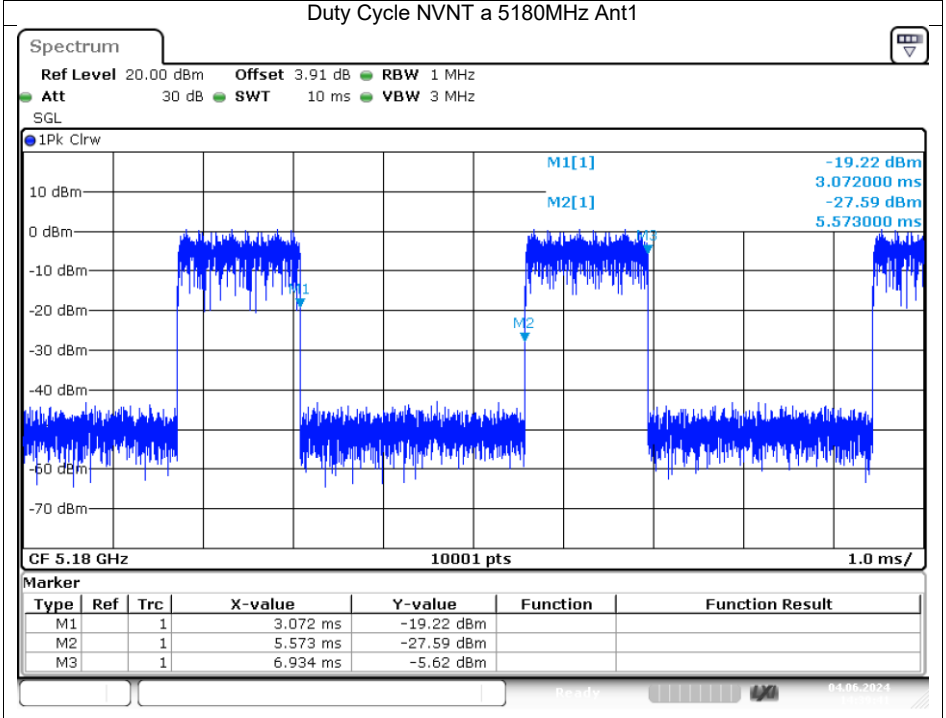
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	1.36	3.86	35.23	4.53	0.73
NVNT	a	5180	Ant2	1.36	3.86	35.23	4.53	0.73
NVNT	a	5200	Ant1	1.36	3.86	35.23	4.53	0.73
NVNT	a	5200	Ant2	1.36	3.86	35.23	4.53	0.73
NVNT	a	5240	Ant1	1.36	3.86	35.23	4.53	0.73
NVNT	a	5240	Ant2	1.36	3.86	35.23	4.53	0.73
NVNT	n20	5180	Ant1	1.27	3.78	33.6	4.74	0.79
NVNT	n20	5180	Ant2	1.27	3.77	33.69	4.72	0.79
NVNT	n20	5200	Ant1	1.27	3.78	33.6	4.74	0.79
NVNT	n20	5200	Ant2	1.27	3.77	33.69	4.72	0.79
NVNT	n20	5240	Ant1	1.27	3.78	33.6	4.74	0.79
NVNT	n20	5240	Ant2	1.27	3.77	33.69	4.72	0.79
NVNT	n40	5190	Ant1	0.63	3.14	20.06	6.98	1.58
NVNT	n40	5190	Ant2	0.63	3.13	20.13	6.96	1.58
NVNT	n40	5230	Ant1	0.63	3.13	20.13	6.96	1.58
NVNT	n40	5230	Ant2	0.63	3.13	20.13	6.96	1.58
NVNT	ac20	5180	Ant1	1.28	3.78	33.86	4.7	0.78
NVNT	ac20	5180	Ant2	1.28	3.78	33.86	4.7	0.78
NVNT	ac20	5200	Ant1	1.28	3.78	33.86	4.7	0.78
NVNT	ac20	5200	Ant2	1.28	3.78	33.86	4.7	0.78
NVNT	ac20	5240	Ant1	1.28	3.78	33.86	4.7	0.78
NVNT	ac20	5240	Ant2	1.28	3.78	33.86	4.7	0.78
NVNT	ac40	5190	Ant1	0.63	3.13	20.13	6.96	1.58
NVNT	ac40	5190	Ant2	0.63	3.13	20.13	6.96	1.58
NVNT	ac40	5230	Ant1	0.63	3.14	20.06	6.98	1.58
NVNT	ac40	5230	Ant2	0.63	3.14	20.06	6.98	1.58
NVNT	ac80	5210	Ant1	0.32	2.82	11.35	9.45	3.16
NVNT	ac80	5210	Ant2	0.32	2.82	11.35	9.45	3.16

Condition	Mode	Frequency (MHz)	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	1.36	3.86	35.23	4.53	0.74
NVNT	a	5745	Ant2	1.36	3.86	35.23	4.53	0.73
NVNT	a	5785	Ant1	1.36	3.86	35.23	4.53	0.73
NVNT	a	5785	Ant2	1.36	3.86	35.23	4.53	0.73
NVNT	a	5825	Ant1	1.36	3.86	35.23	4.53	0.74
NVNT	a	5825	Ant2	1.36	3.86	35.23	4.53	0.73
NVNT	n20	5745	Ant1	1.27	3.77	33.69	4.72	0.79
NVNT	n20	5745	Ant2	1.27	3.77	33.69	4.72	0.79
NVNT	n20	5785	Ant1	1.27	3.77	33.69	4.72	0.79
NVNT	n20	5785	Ant2	1.27	3.77	33.69	4.72	0.79
NVNT	n20	5825	Ant1	1.27	3.77	33.69	4.72	0.79
NVNT	n20	5825	Ant2	1.27	3.77	33.69	4.72	0.79
NVNT	n40	5755	Ant1	0.63	3.13	20.13	6.96	1.58
NVNT	n40	5755	Ant2	0.63	3.14	20.06	6.98	1.58
NVNT	n40	5795	Ant1	0.63	3.13	20.13	6.96	1.58
NVNT	n40	5795	Ant2	0.63	3.13	20.13	6.96	1.58
NVNT	ac20	5745	Ant1	1.28	3.78	33.86	4.7	0.78
NVNT	ac20	5745	Ant2	1.28	3.78	33.86	4.7	0.78
NVNT	ac20	5785	Ant1	1.28	3.78	33.86	4.7	0.78
NVNT	ac20	5785	Ant2	1.28	3.78	33.86	4.7	0.78
NVNT	ac20	5825	Ant1	1.28	3.78	33.86	4.7	0.78
NVNT	ac20	5825	Ant2	1.28	3.78	33.86	4.7	0.78
NVNT	ac40	5755	Ant1	0.64	3.14	20.38	6.91	1.57
NVNT	ac40	5755	Ant2	0.64	3.14	20.38	6.91	1.57
NVNT	ac40	5795	Ant1	0.64	3.14	20.38	6.91	1.57
NVNT	ac40	5795	Ant2	0.64	3.14	20.38	6.91	1.57
NVNT	ac80	5775	Ant1	0.32	2.82	11.35	9.45	3.16
NVNT	ac80	5775	Ant2	0.32	2.82	11.35	9.45	3.16

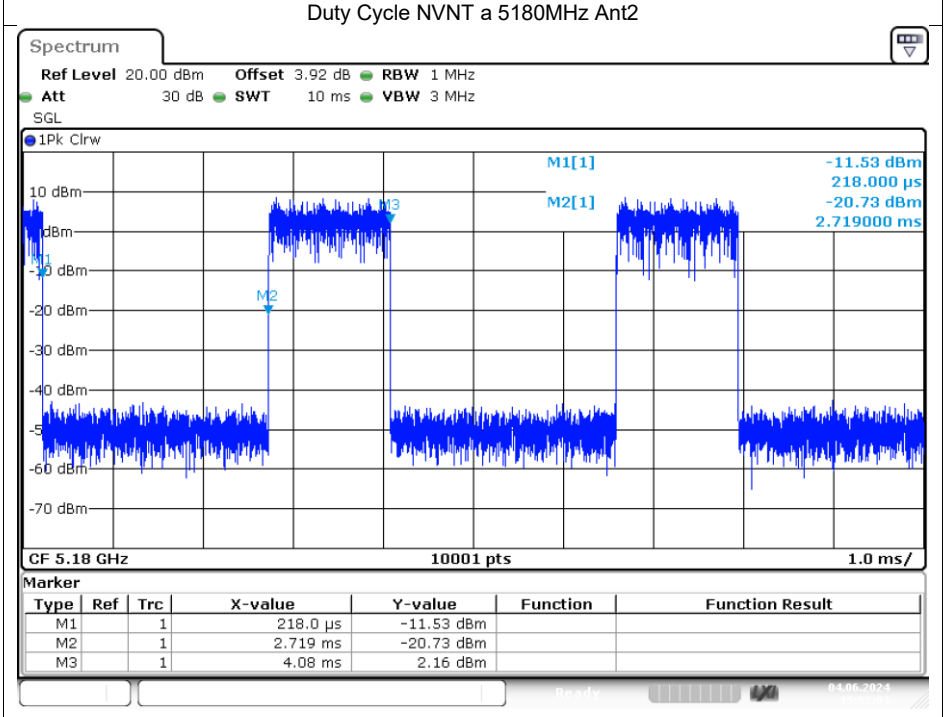
Test Graphs

Duty Cycle NVNT a 5180MHz Ant1



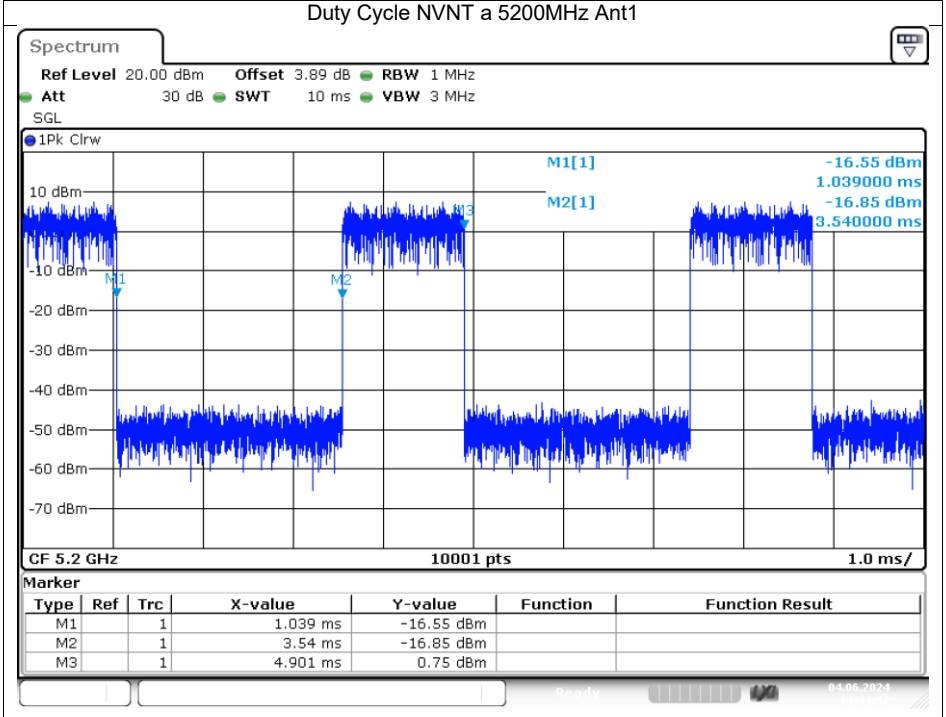
Date: 4.JUN.2024 14:39:41

Duty Cycle NVNT a 5180MHz Ant2



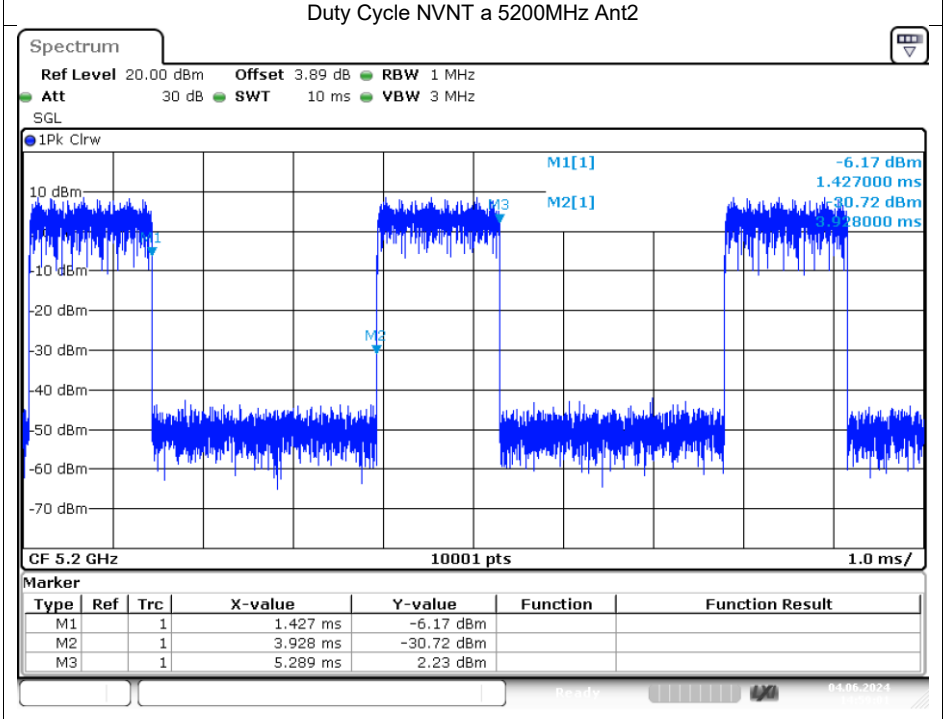
Date: 4.JUN.2024 15:02:03

Duty Cycle NVNT a 5200MHz Ant1



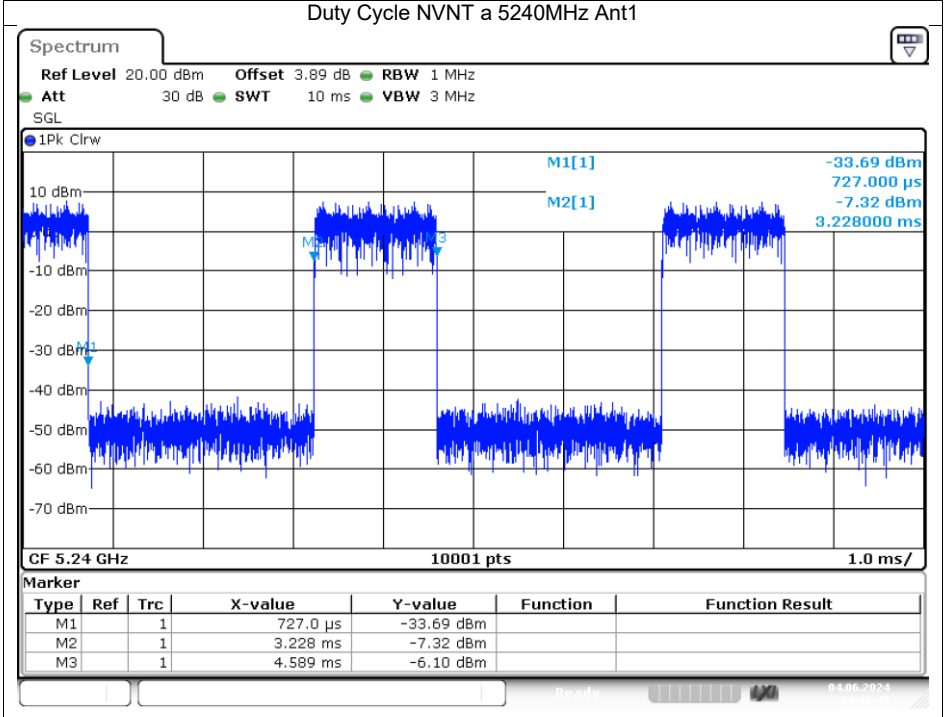
Date: 4.JUN.2024 14:44:32

Duty Cycle NVNT a 5200MHz Ant2



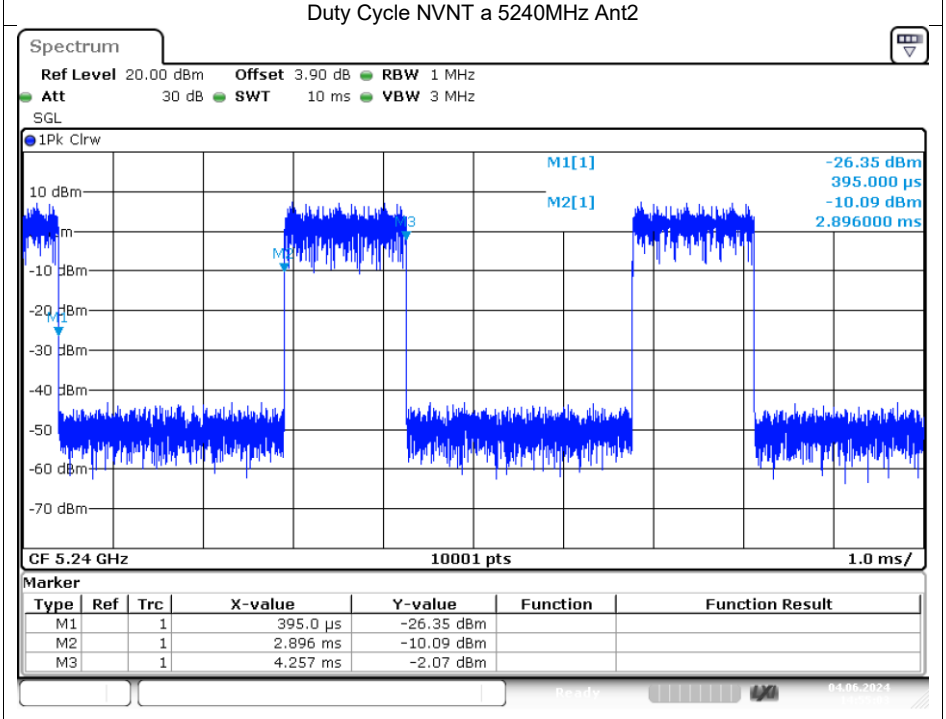
Date: 4.JUN.2024 14:59:01

Duty Cycle NVNT a 5240MHz Ant1



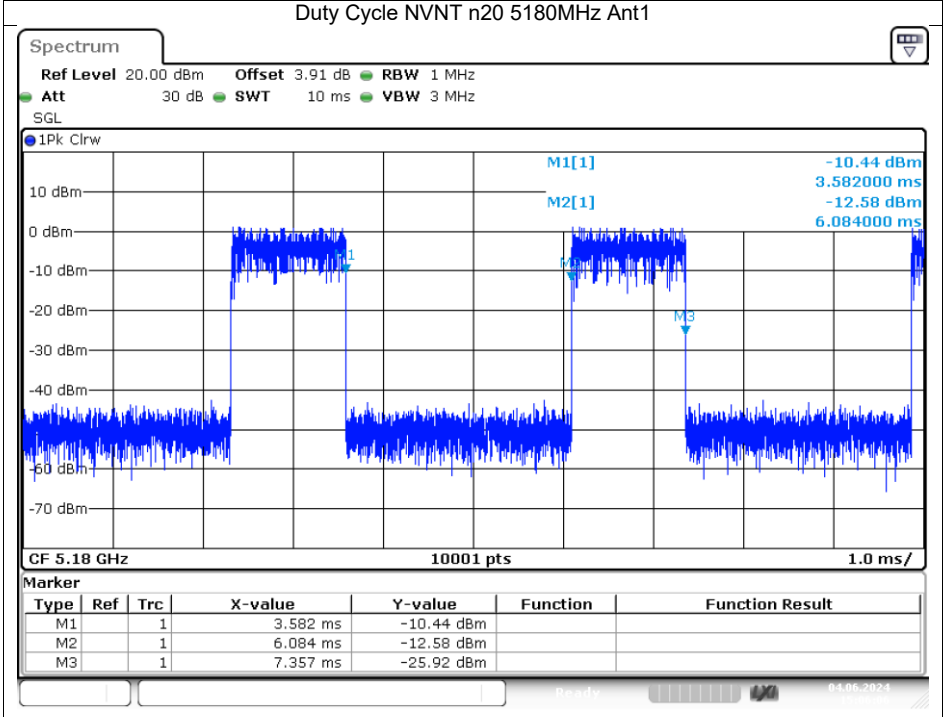
Date: 4.JUN.2024 14:48:47

Duty Cycle NVNT a 5240MHz Ant2



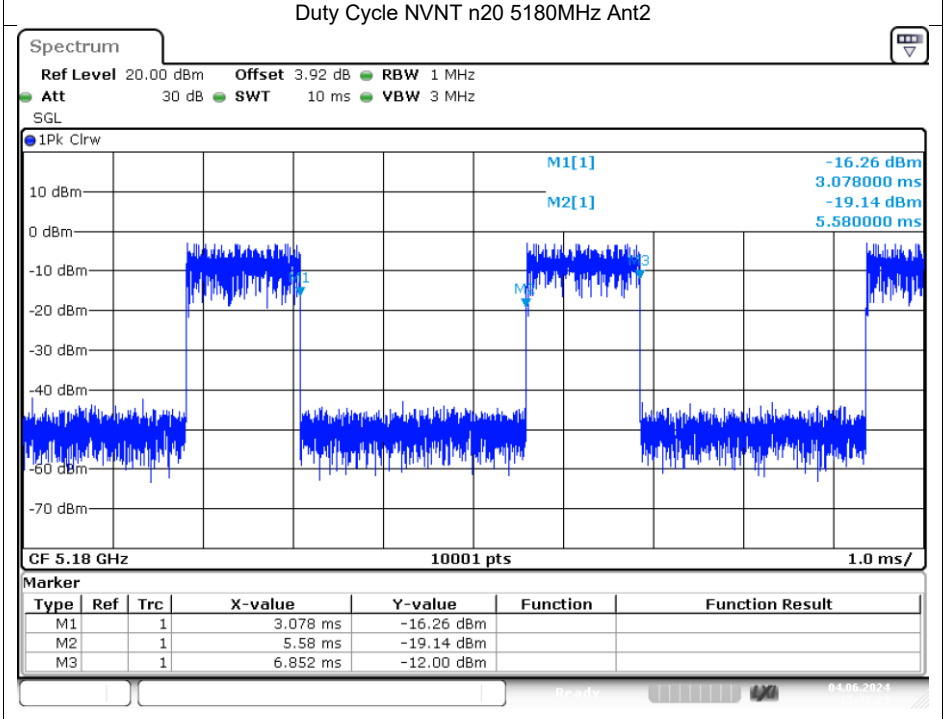
Date: 4.JUN.2024 14:55:03

Duty Cycle NVNT n20 5180MHz Ant1



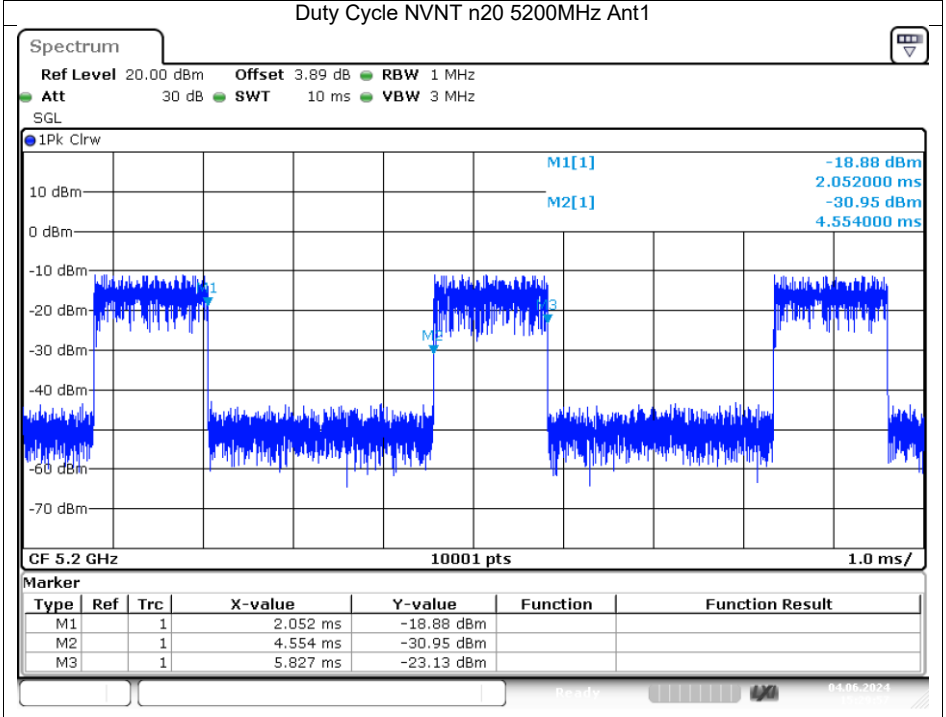
Date: 4.JUN.2024 15:06:07

Duty Cycle NVNT n20 5180MHz Ant2



Date: 4.JUN.2024 15:42:23

Duty Cycle NVNT n20 5200MHz Ant1



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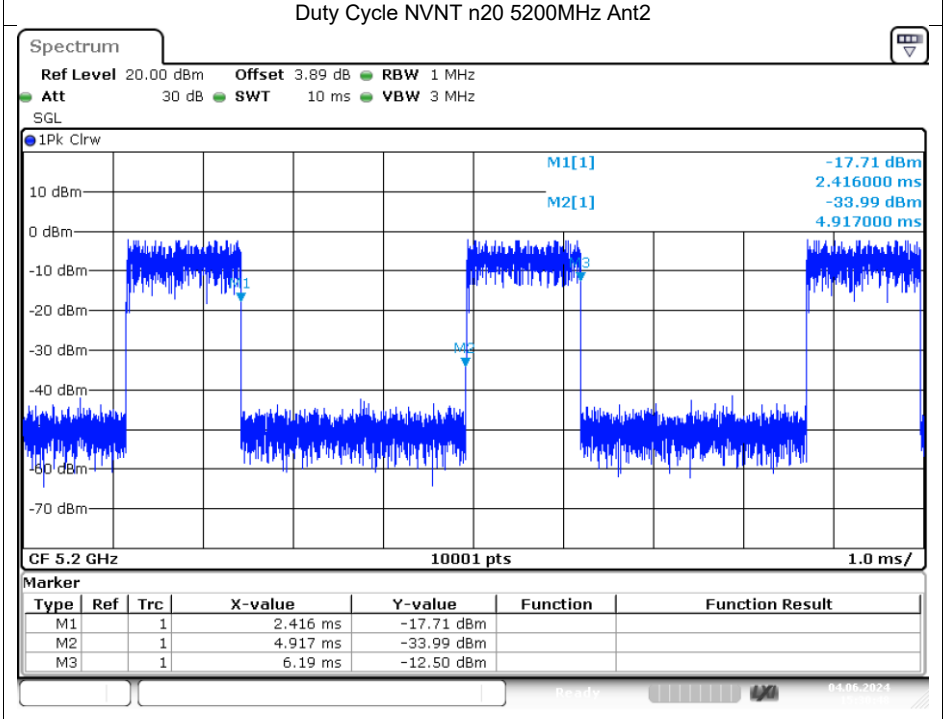
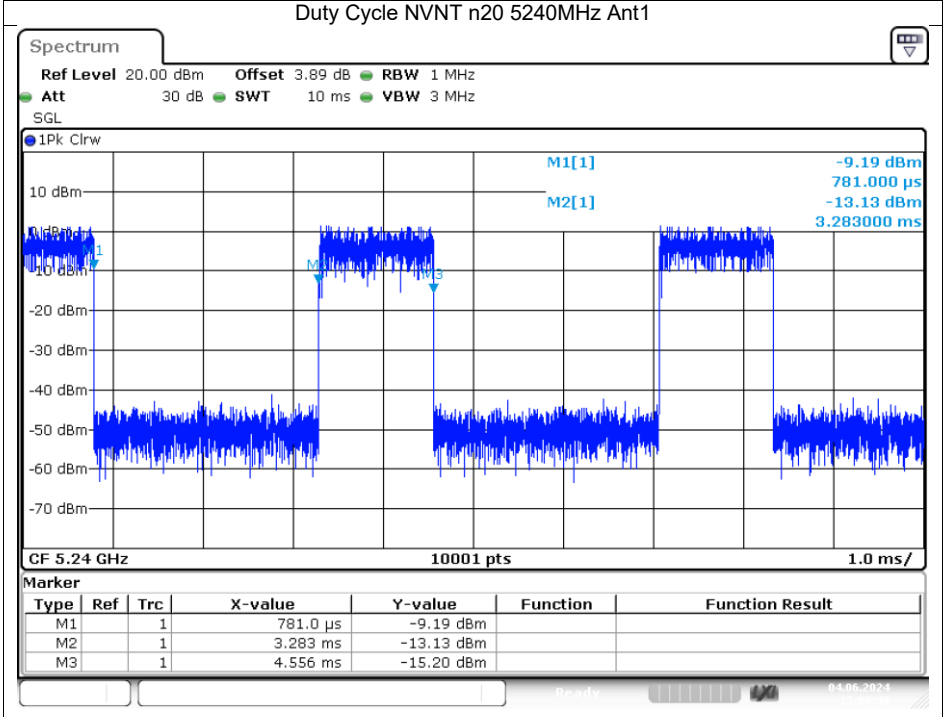
Duty Cycle NVNT n20 5200MHz Ant2



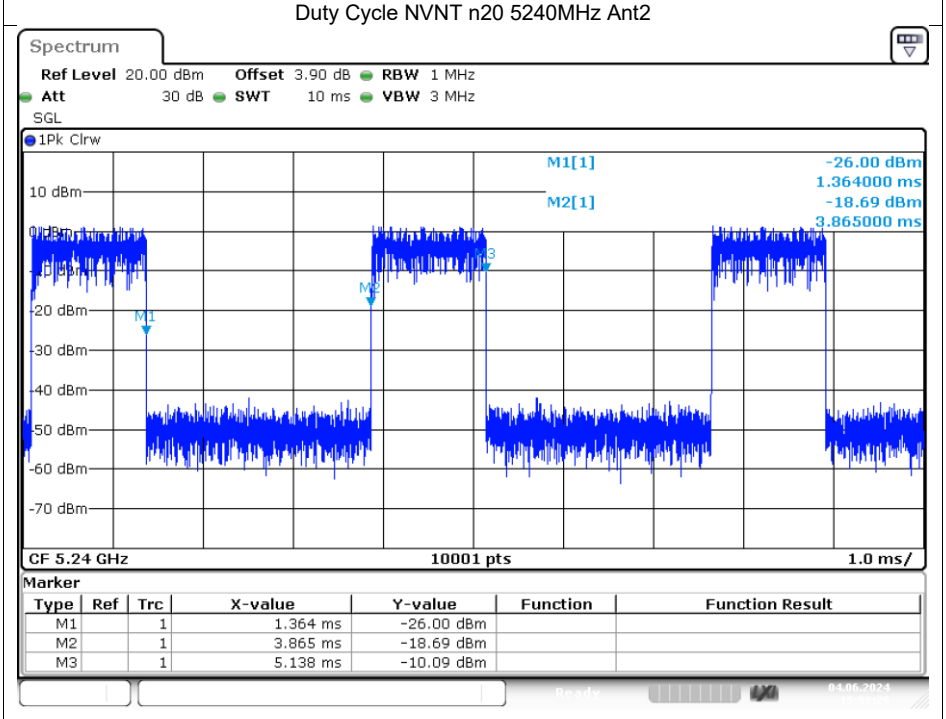
Date: 4.JUN.2024 15:30:48

Duty Cycle NVNT n20 5240MHz Ant1



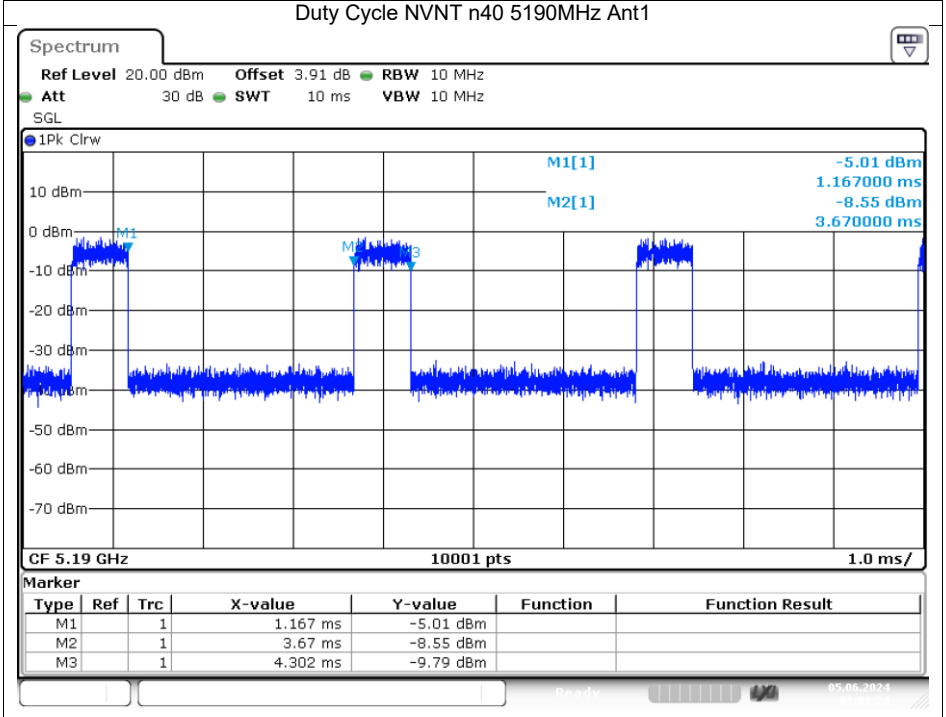
Date: 4.JUN.2024 15:08:40

Duty Cycle NVNT n20 5240MHz Ant2



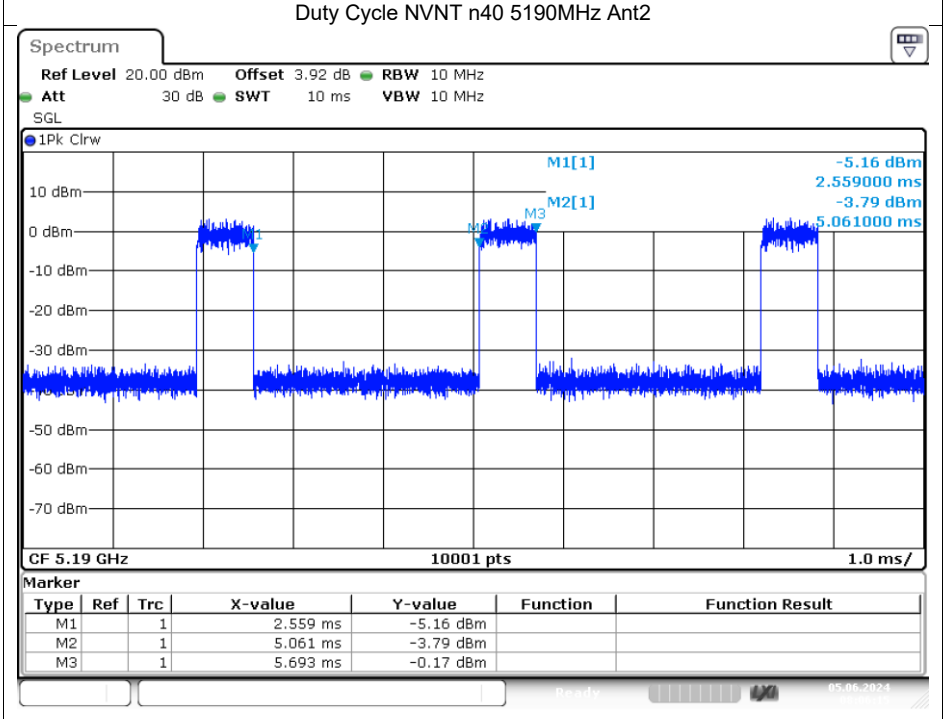
Date: 4.JUN.2024 15:09:28

Duty Cycle NVNT n40 5190MHz Ant1



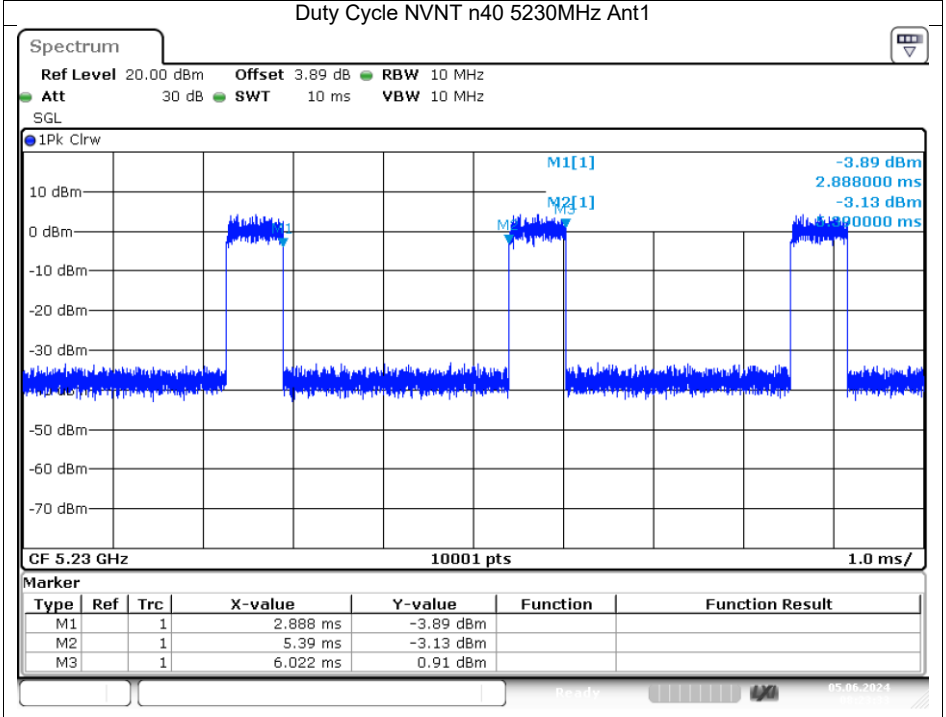
Date: 5.JUN.2024 08:09:24

Duty Cycle NVNT n40 5190MHz Ant2



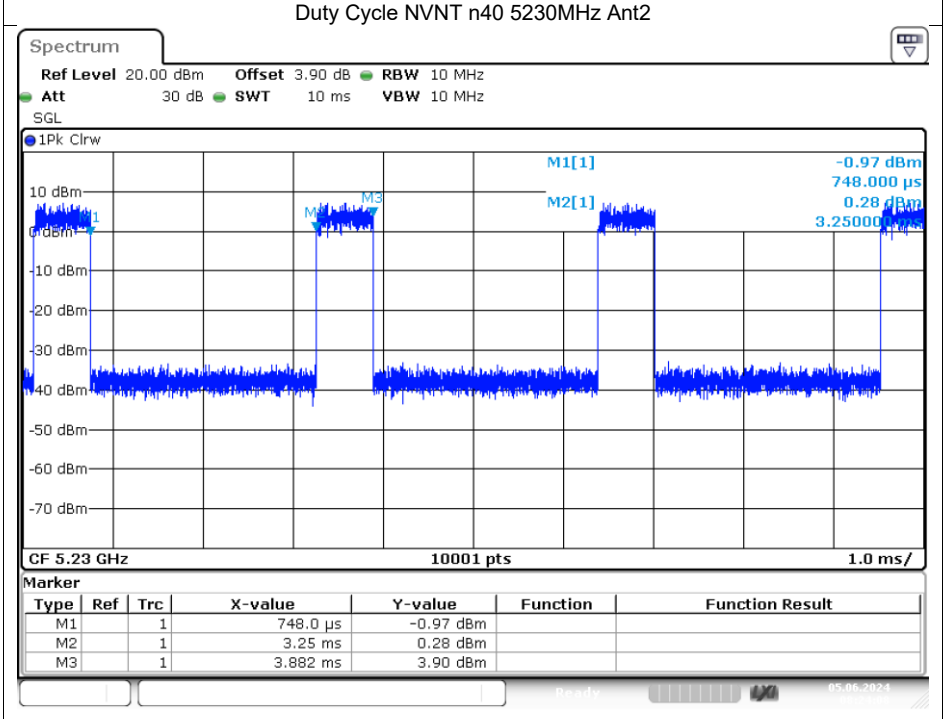
Date: 5.JUN.2024 08:06:15

Duty Cycle NVNT n40 5230MHz Ant1



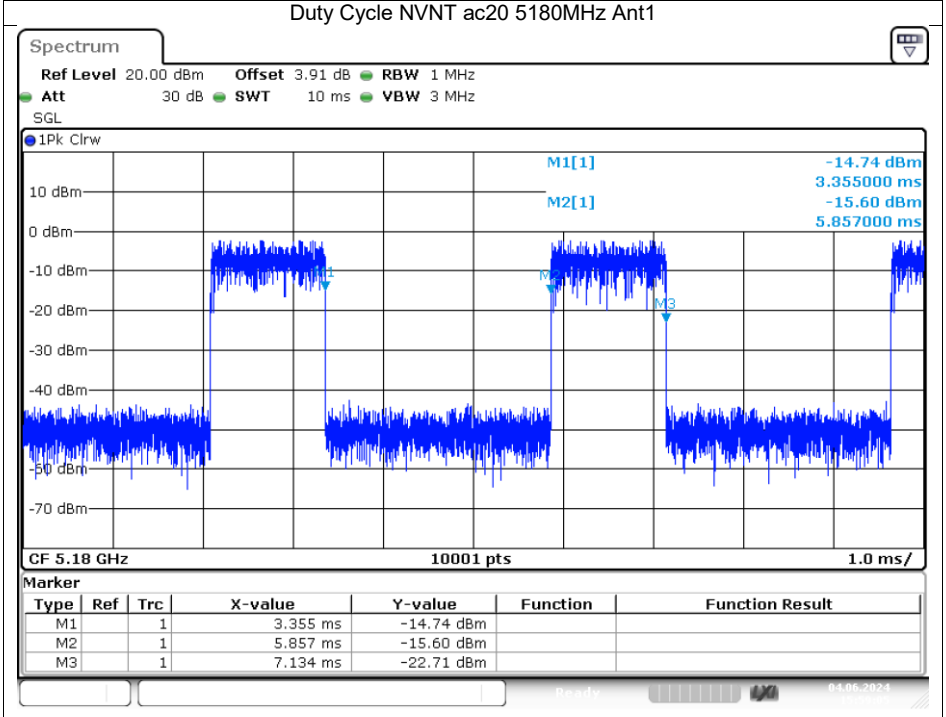
Date: 5.JUN.2024 08:23:33

Duty Cycle NVNT n40 5230MHz Ant2



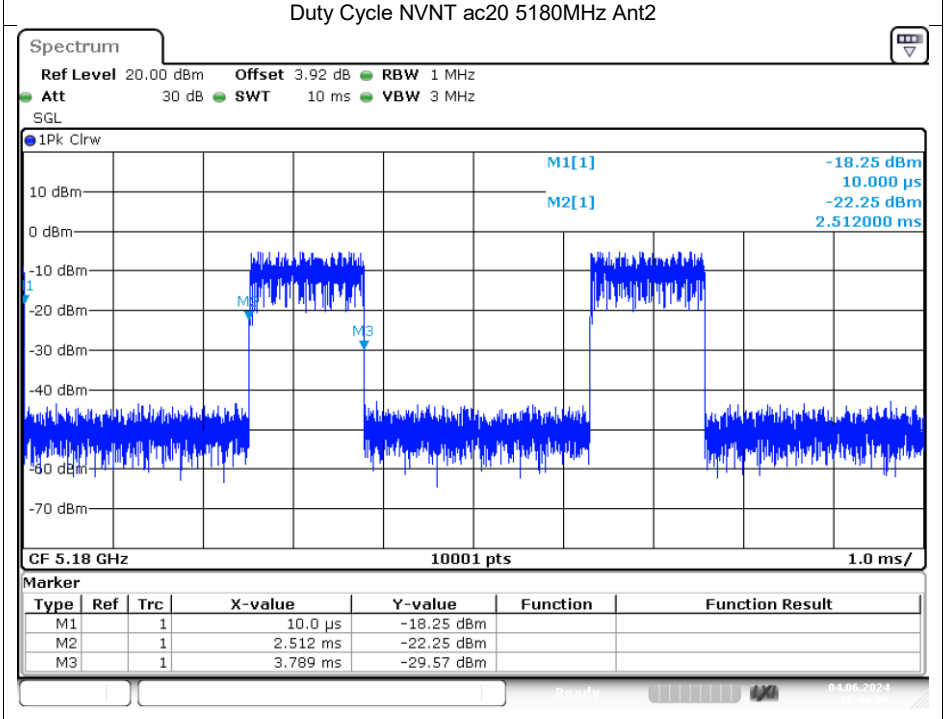
Date: 5.JUN.2024 08:24:09

Duty Cycle NVNT ac20 5180MHz Ant1



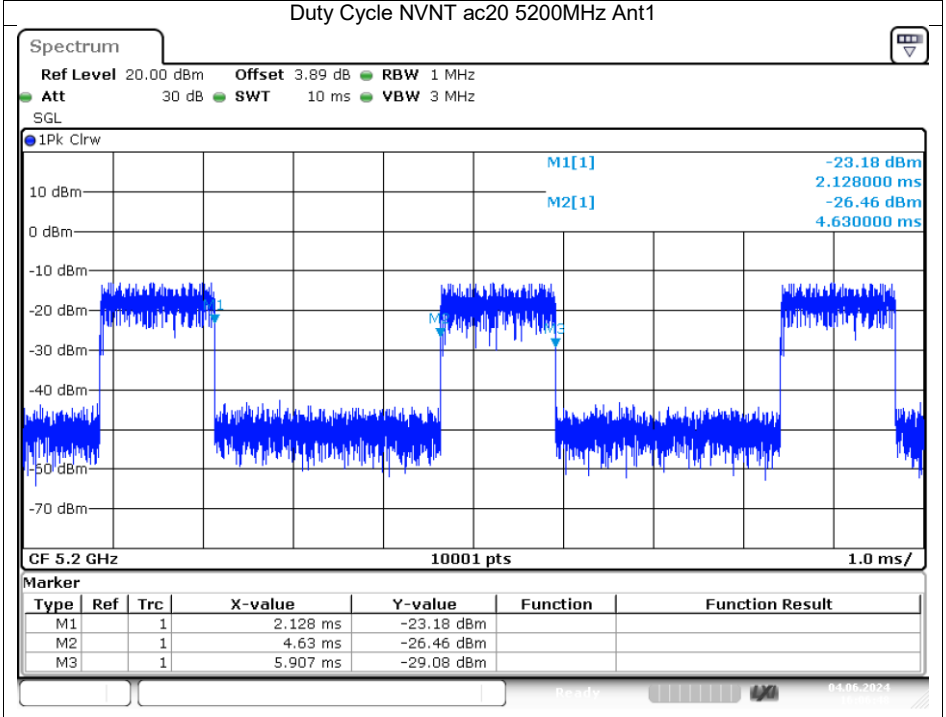
Date: 4.JUN.2024 15:59:05

Duty Cycle NVNT ac20 5180MHz Ant2



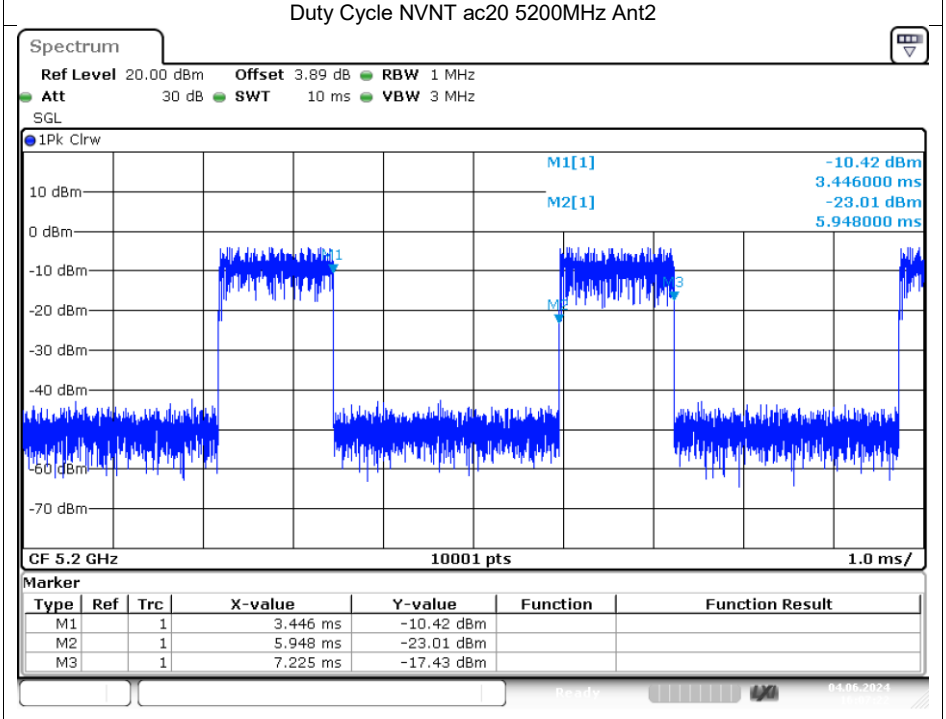
Date: 4.JUN.2024 16:00:06

Duty Cycle NVNT ac20 5200MHz Ant1



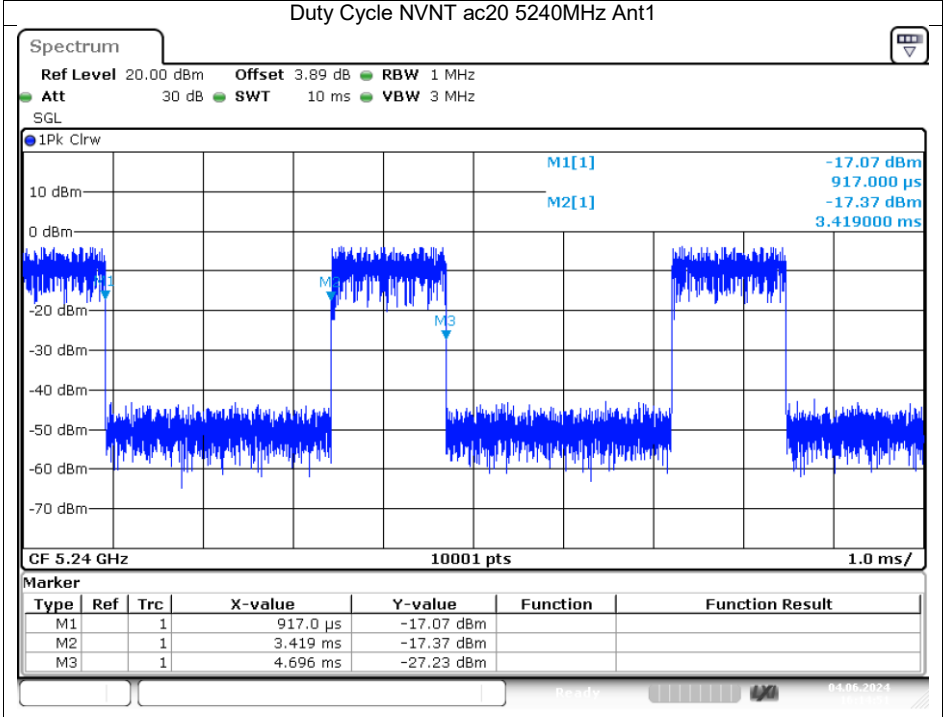
Date: 4.JUN.2024 16:06:47

Duty Cycle NVNT ac20 5200MHz Ant2



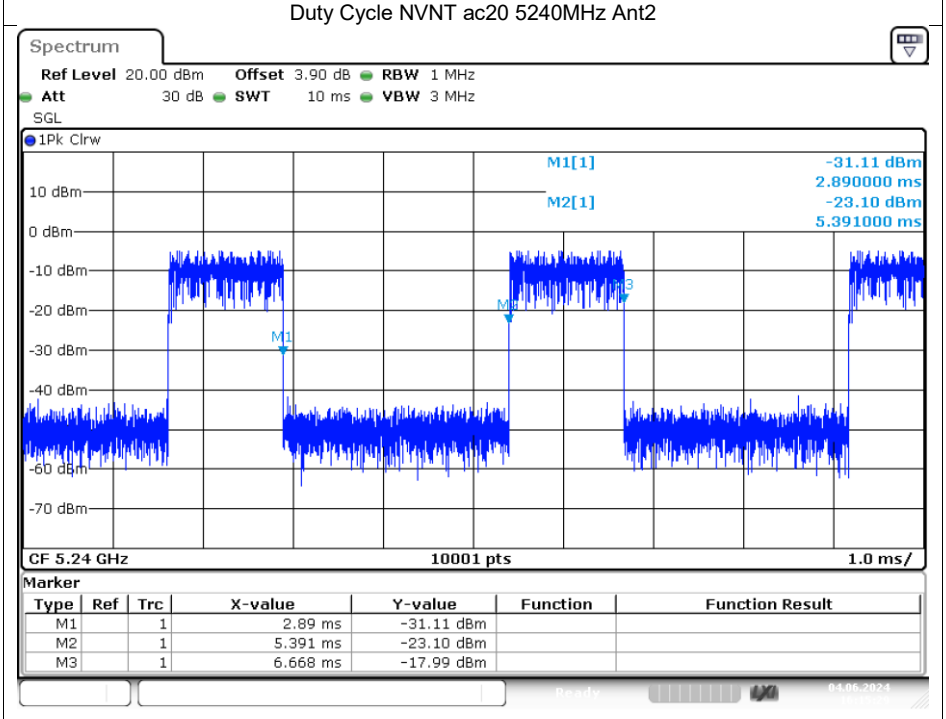
Date: 4.JUN.2024 16:07:22

Duty Cycle NVNT ac20 5240MHz Ant1



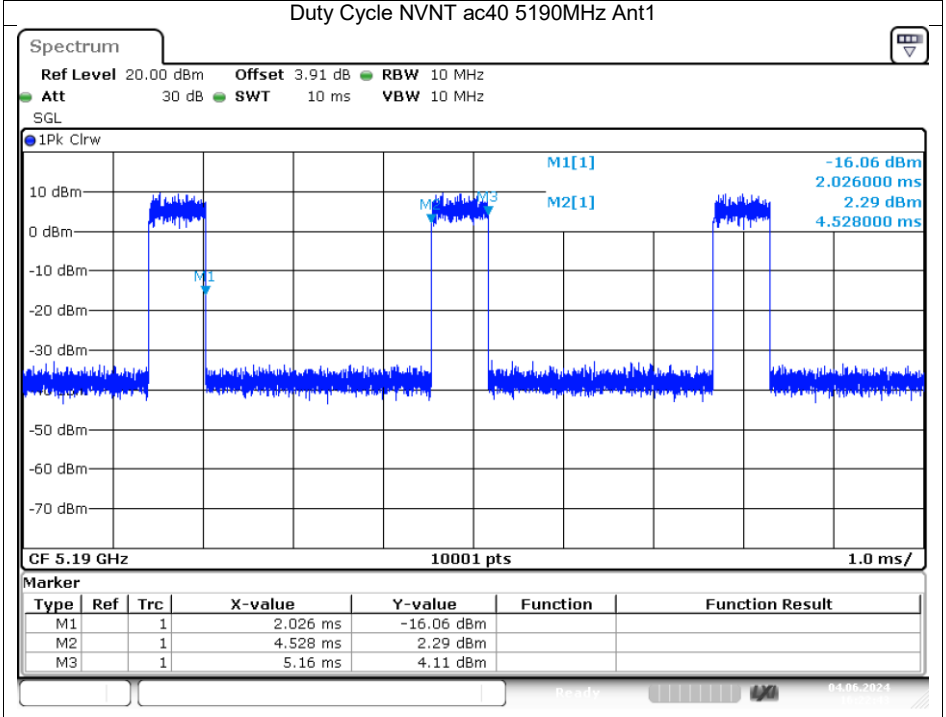
Date: 4.JUN.2024 16:14:51

Duty Cycle NVNT ac20 5240MHz Ant2



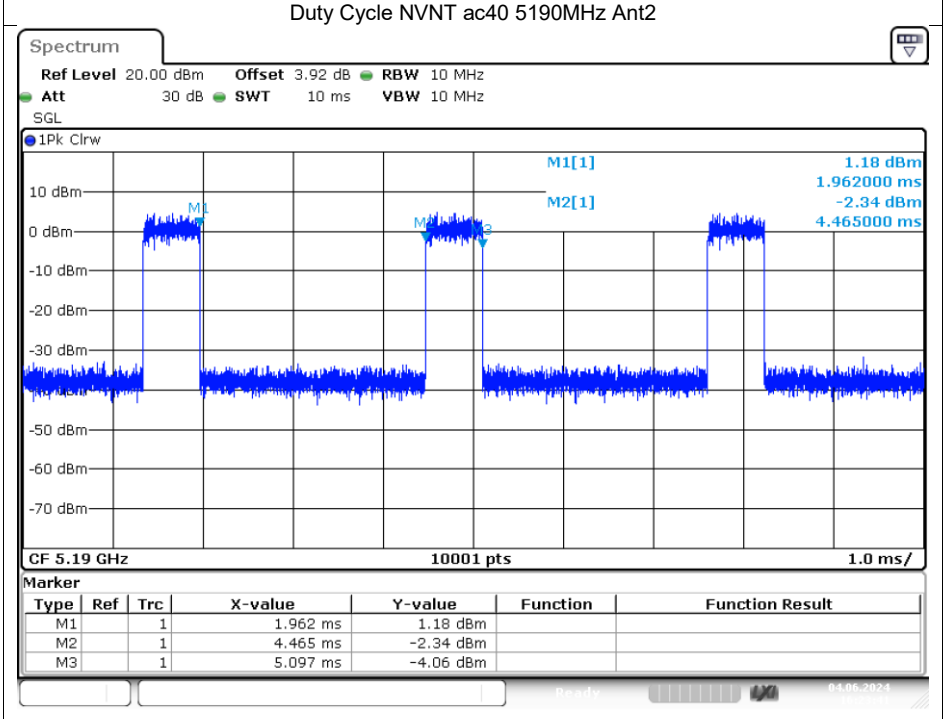
Date: 4.JUN.2024 16:15:29

Duty Cycle NVNT ac40 5190MHz Ant1



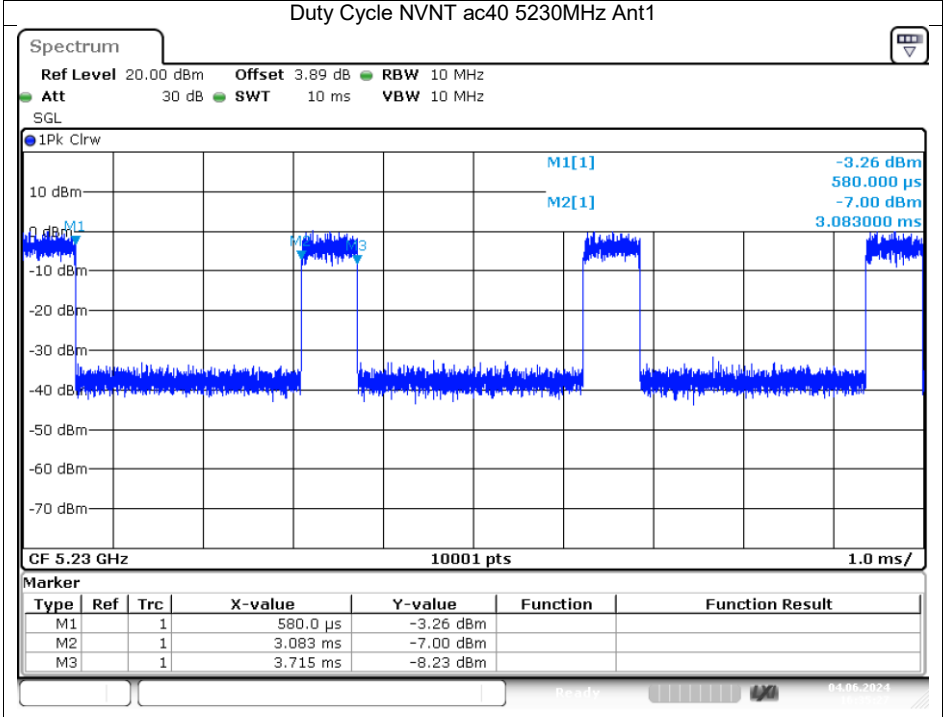
Date: 4.JUN.2024 16:22:43

Duty Cycle NVNT ac40 5190MHz Ant2



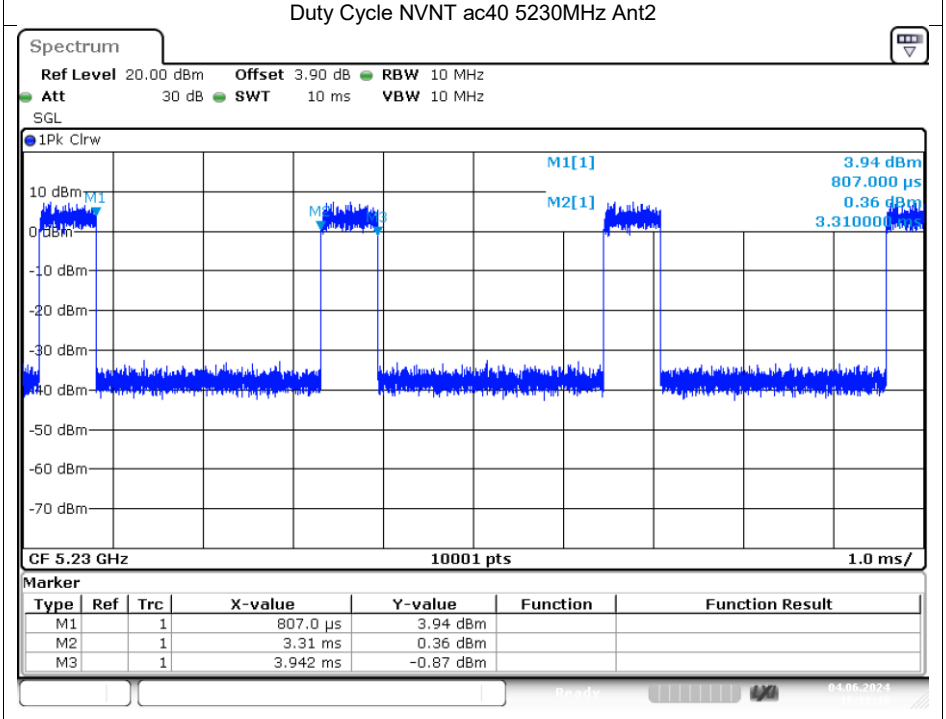
Date: 4.JUN.2024 16:23:41

Duty Cycle NVNT ac40 5230MHz Ant1



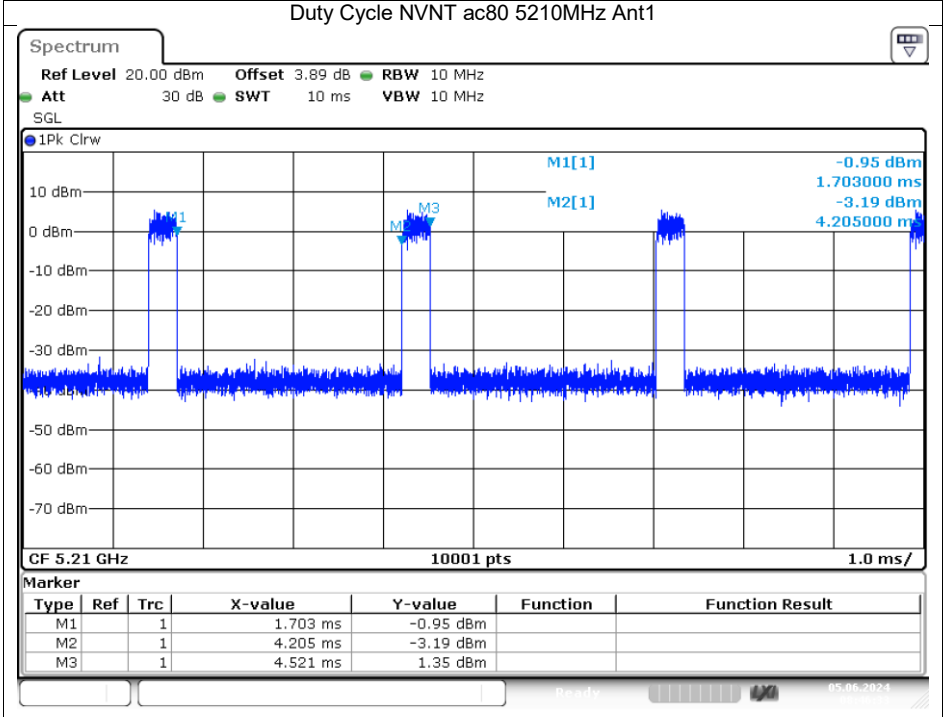
Date: 4.JUN.2024 16:35:27

Duty Cycle NVNT ac40 5230MHz Ant2



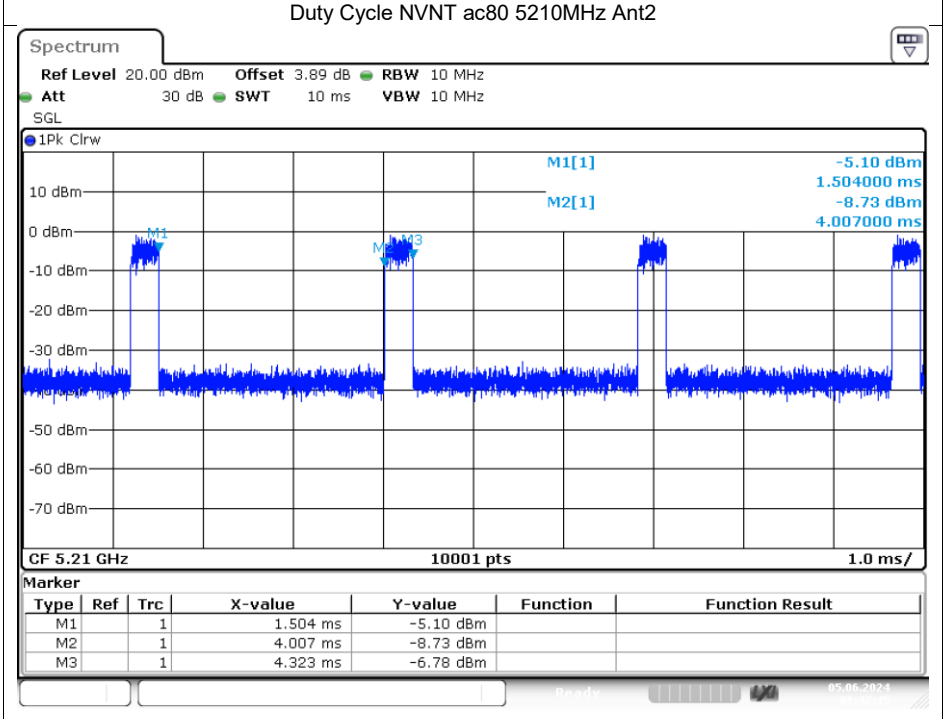
Date: 4.JUN.2024 16:39:40

Duty Cycle NVNT ac80 5210MHz Ant1



Date: 5.JUN.2024 08:46:32

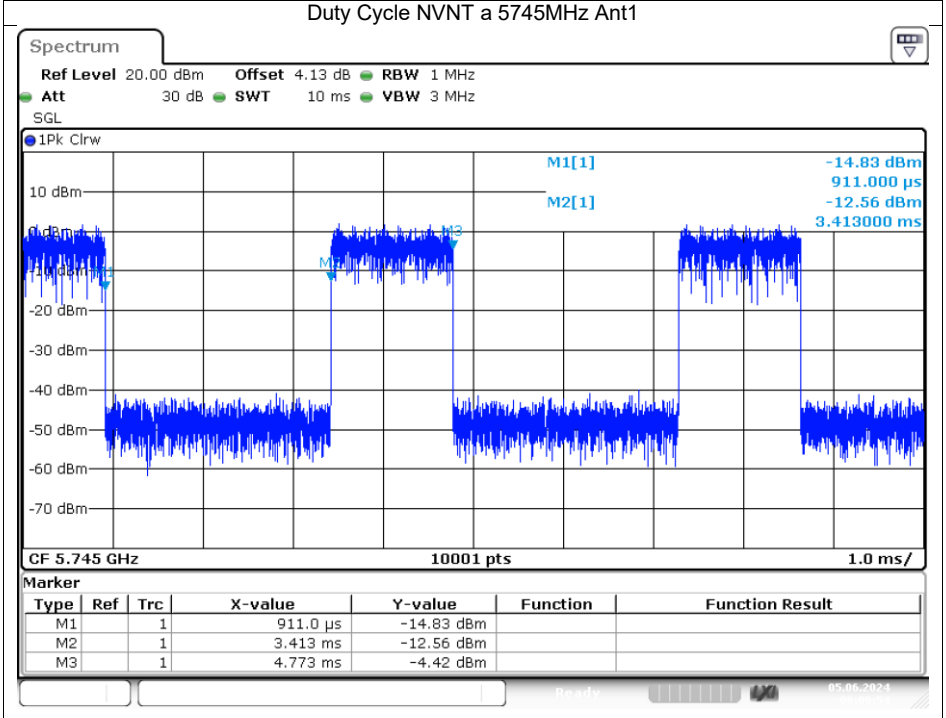
Duty Cycle NVNT ac80 5210MHz Ant2



Date: 5.JUN.2024 08:47:45

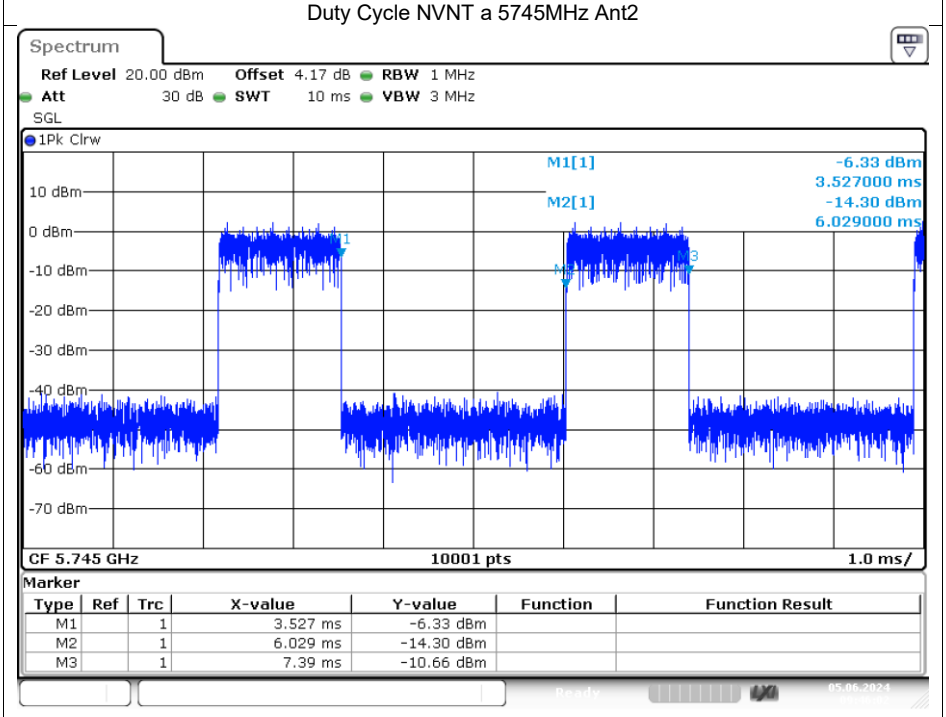
Test Graphs

Duty Cycle NVNT a 5745MHz Ant1



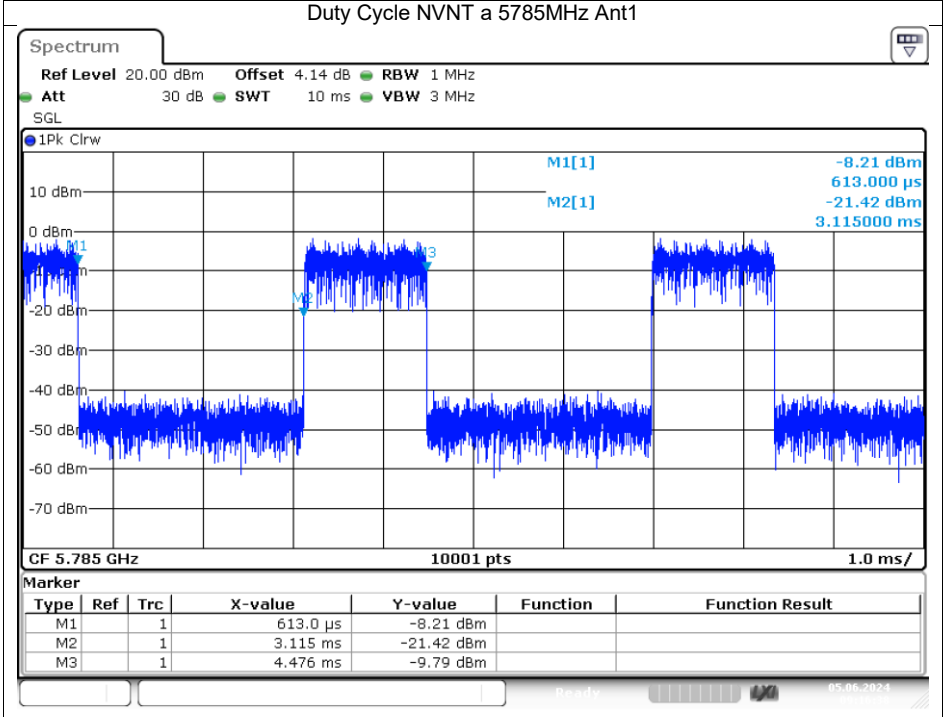
Date: 5.JUN.2024 09:09:54

Duty Cycle NVNT a 5745MHz Ant2



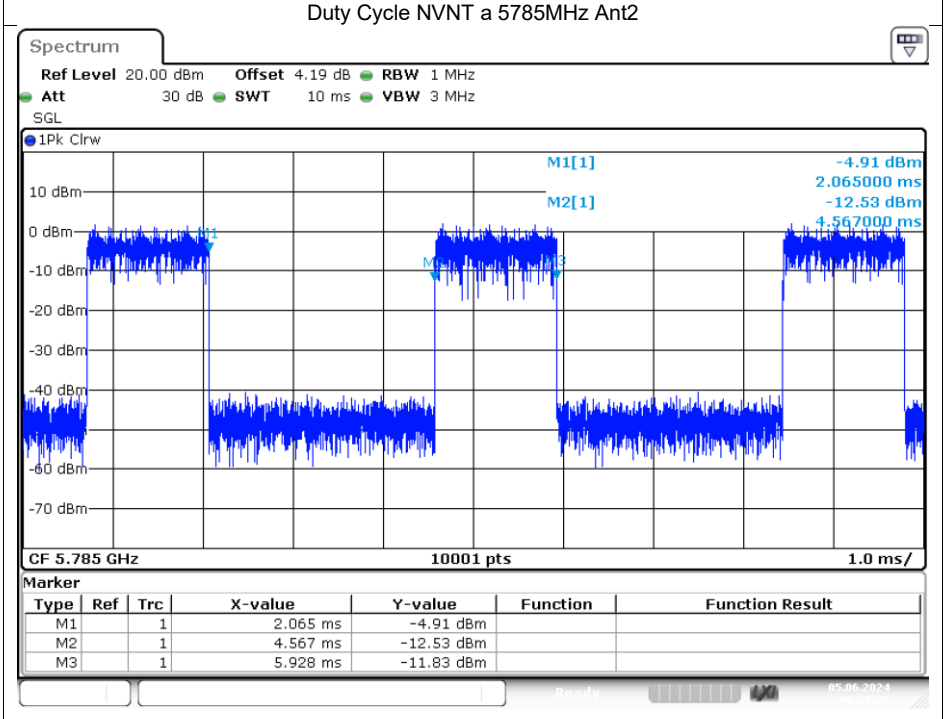
Date: 5.JUN.2024 09:46:02

Duty Cycle NVNT a 5785MHz Ant1



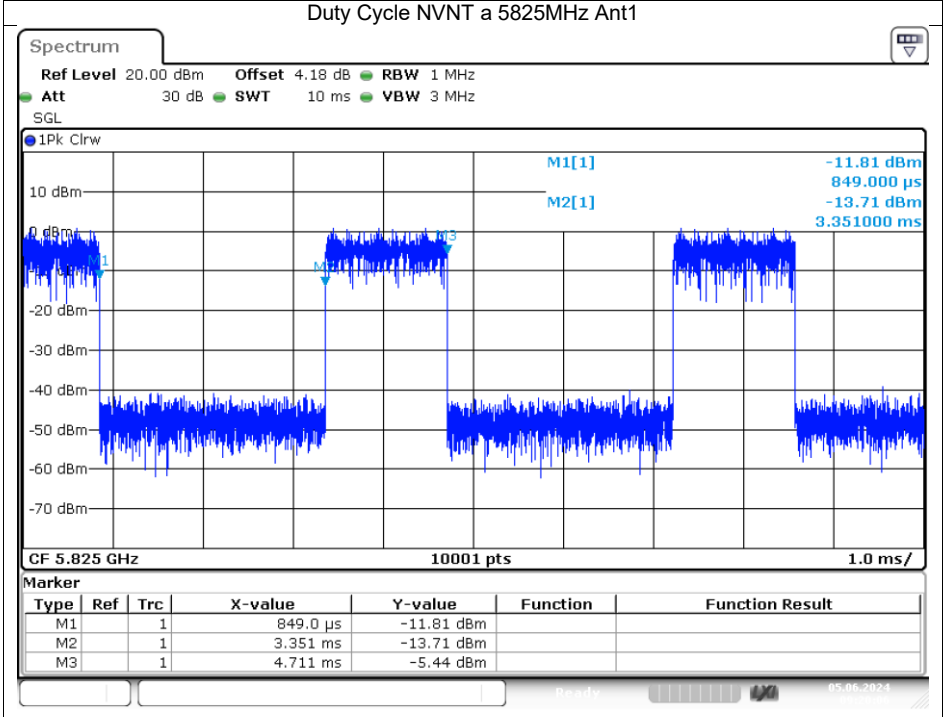
Date: 5.JUN.2024 09:16:37

Duty Cycle NVNT a 5785MHz Ant2



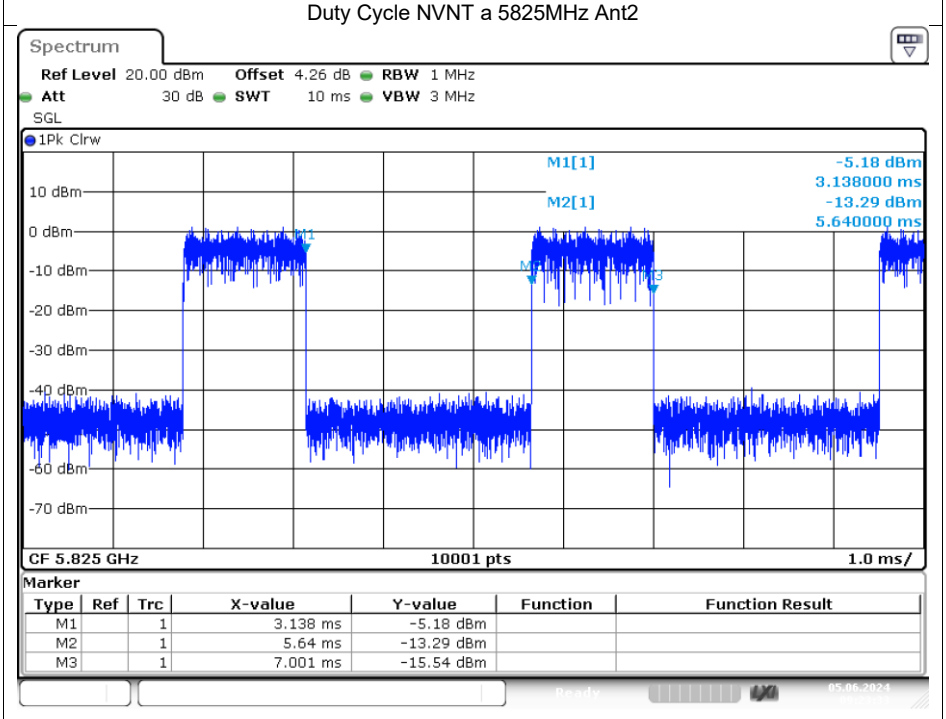
Date: 5.JUN.2024 09:27:28

Duty Cycle NVNT a 5825MHz Ant1



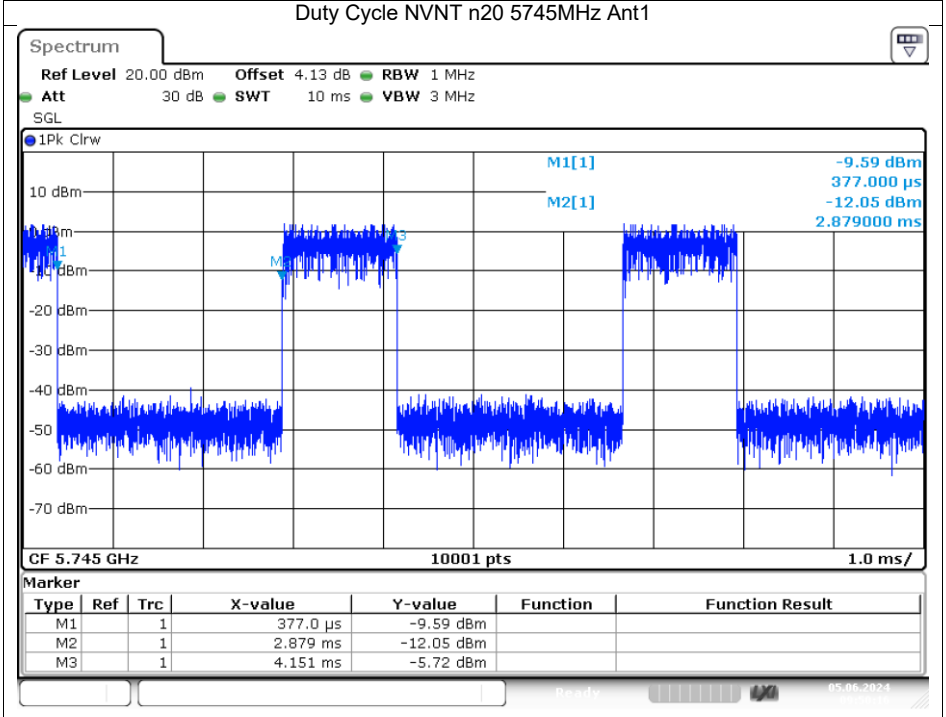
Date: 5.JUN.2024 09:20:07

Duty Cycle NVNT a 5825MHz Ant2



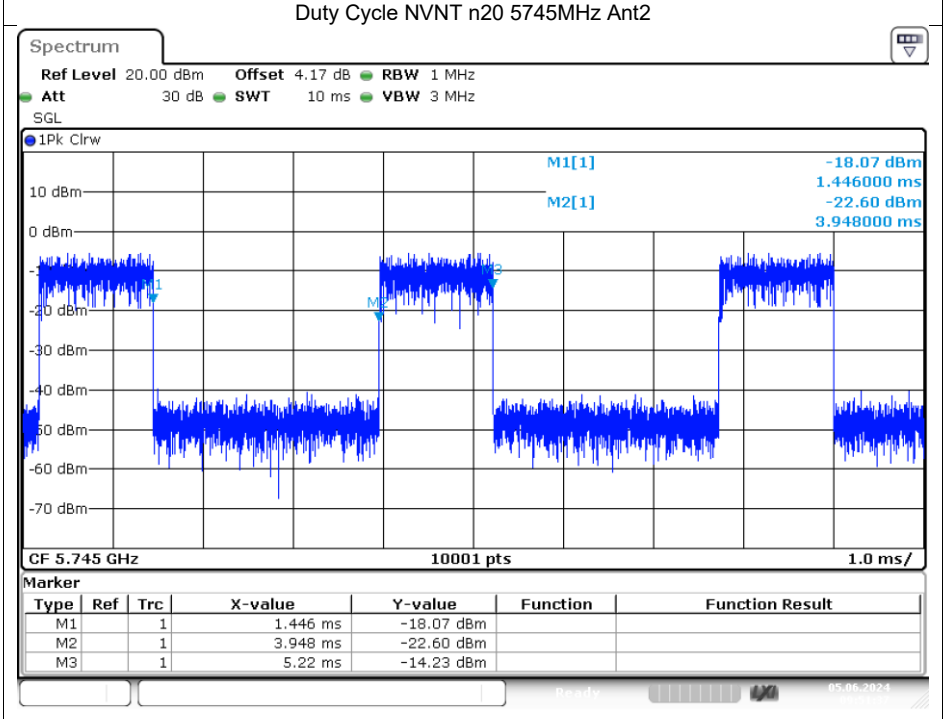
Date: 5.JUN.2024 09:23:33

Duty Cycle NVNT n20 5745MHz Ant1



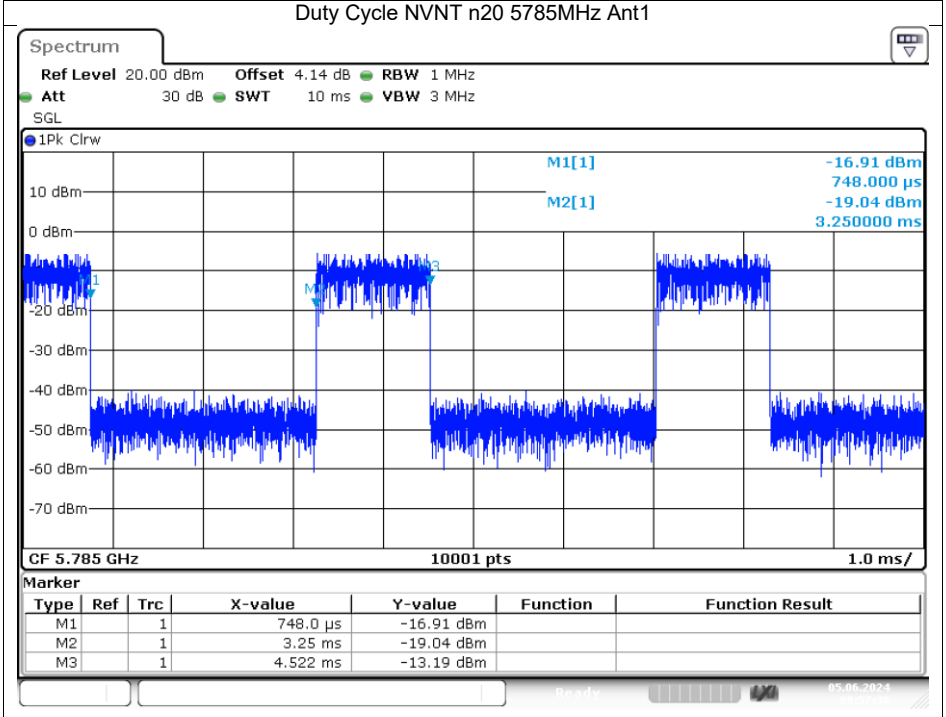
Date: 5.JUN.2024 09:50:16

Duty Cycle NVNT n20 5745MHz Ant2



Date: 5.JUN.2024 09:51:37

Duty Cycle NVNT n20 5785MHz Ant1



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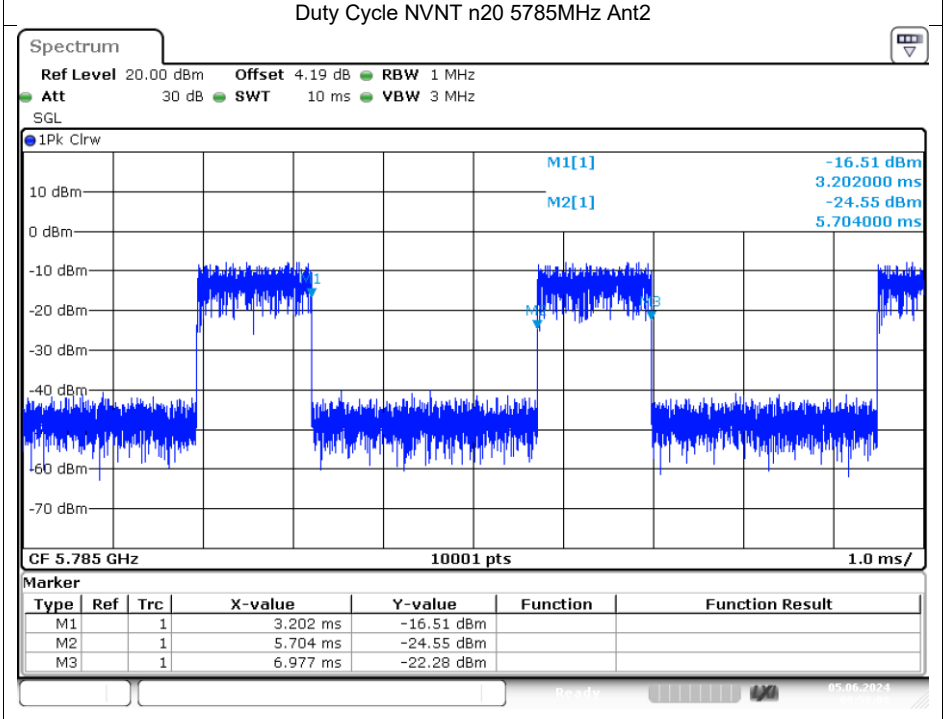
Duty Cycle NVNT n20 5785MHz Ant2



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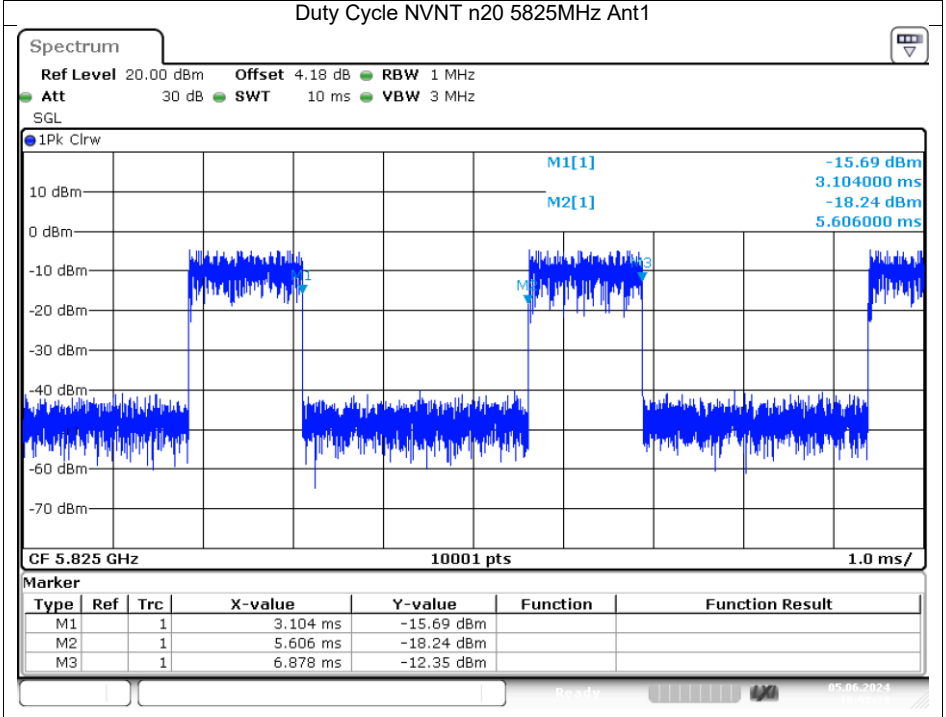
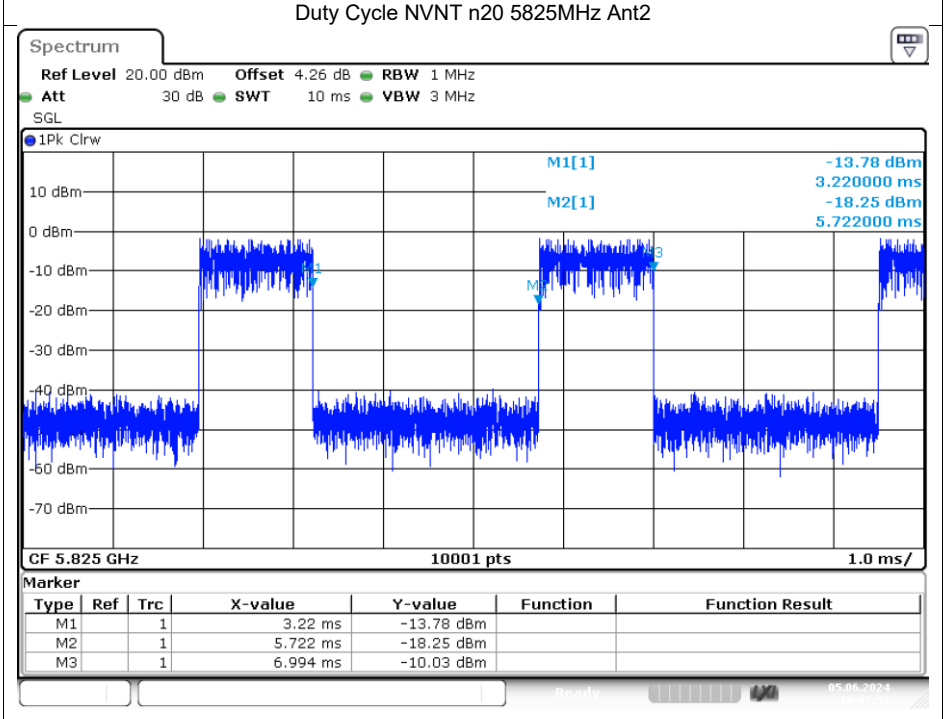
Duty Cycle NVNT n20 5825MHz Ant1



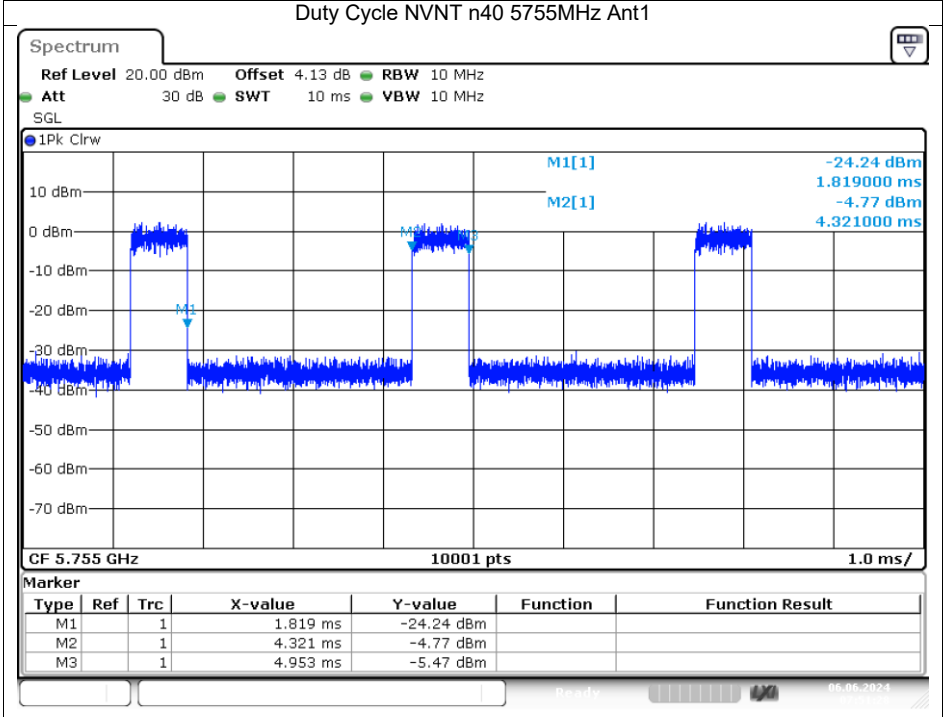
Date: 5.JUN.2024 10:08:39

Duty Cycle NVNT n20 5825MHz Ant2



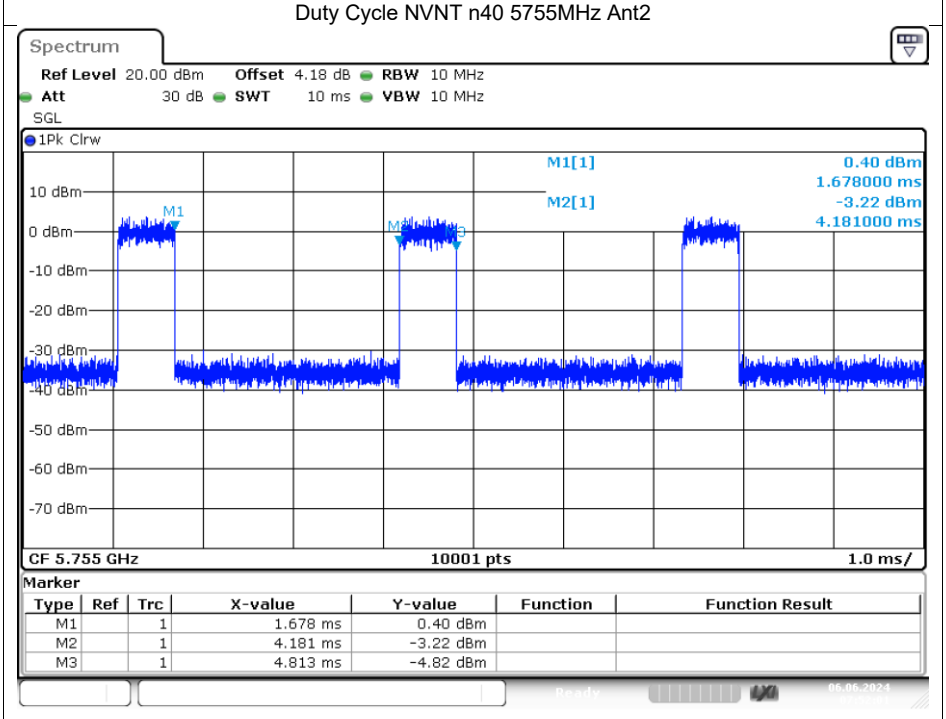
Date: 5.JUN.2024 10:07:51

Duty Cycle NVNT n40 5755MHz Ant1



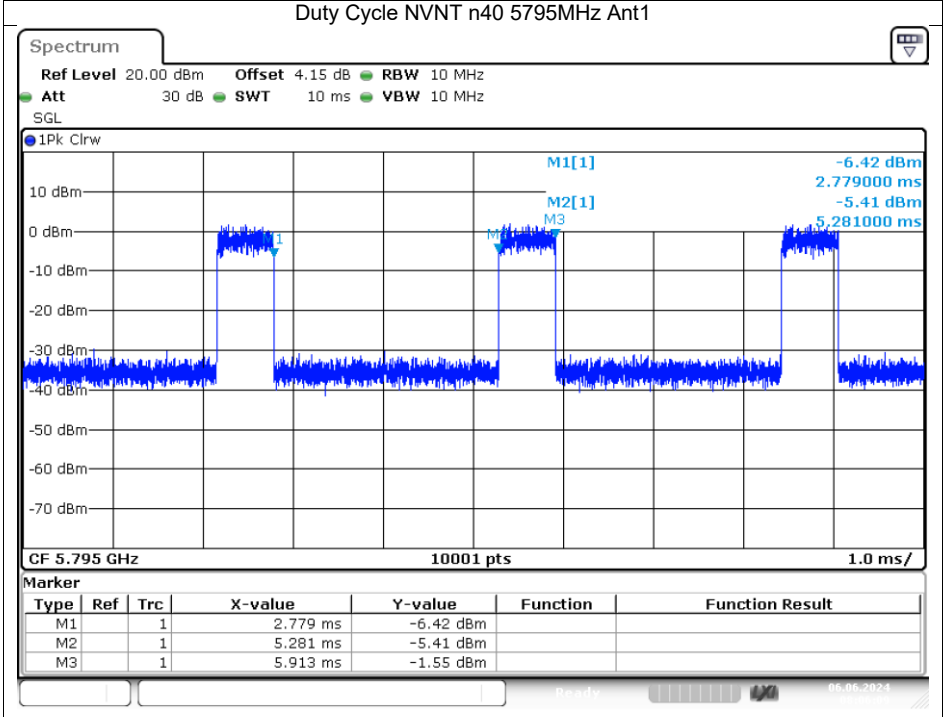
Date: 6.JUN.2024 07:51:29

Duty Cycle NVNT n40 5755MHz Ant2



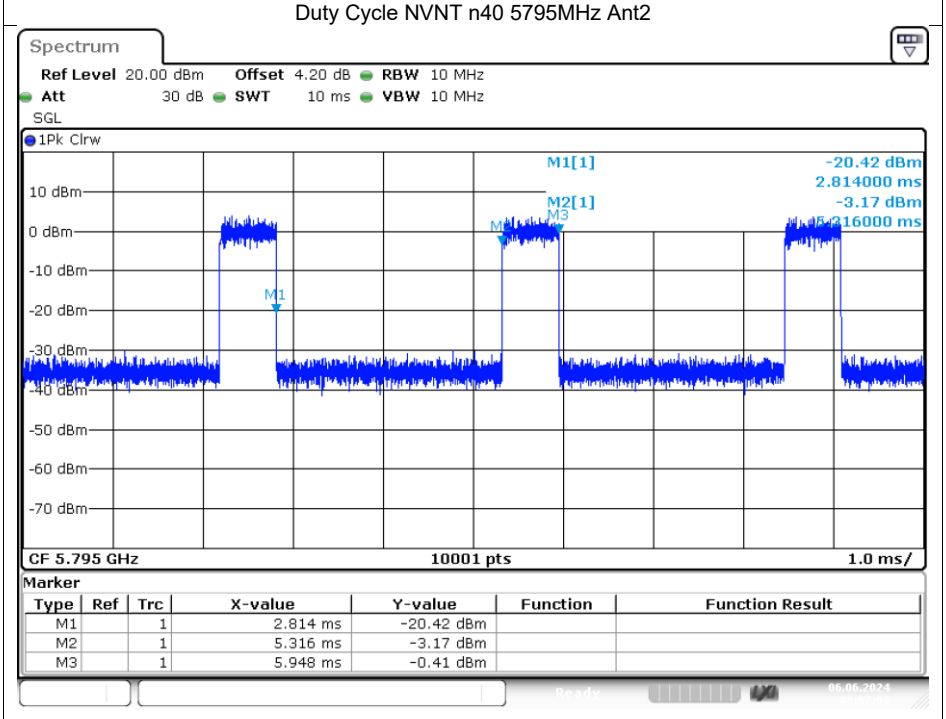
Date: 6.JUN.2024 07:52:01

Duty Cycle NVNT n40 5795MHz Ant1



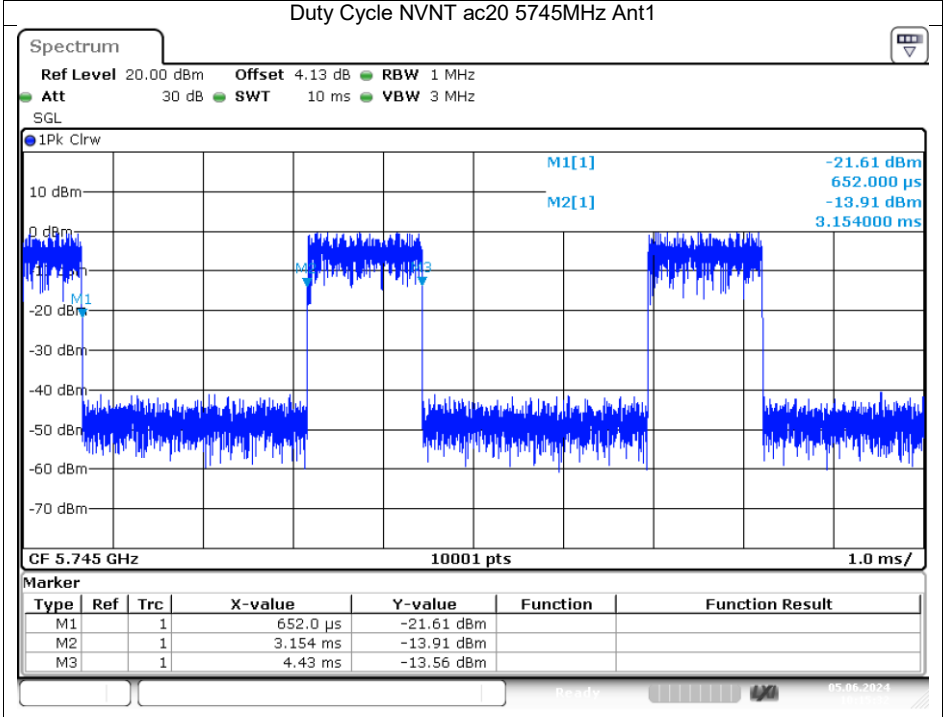
Date: 6.JUN.2024 08:06:09

Duty Cycle NVNT n40 5795MHz Ant2



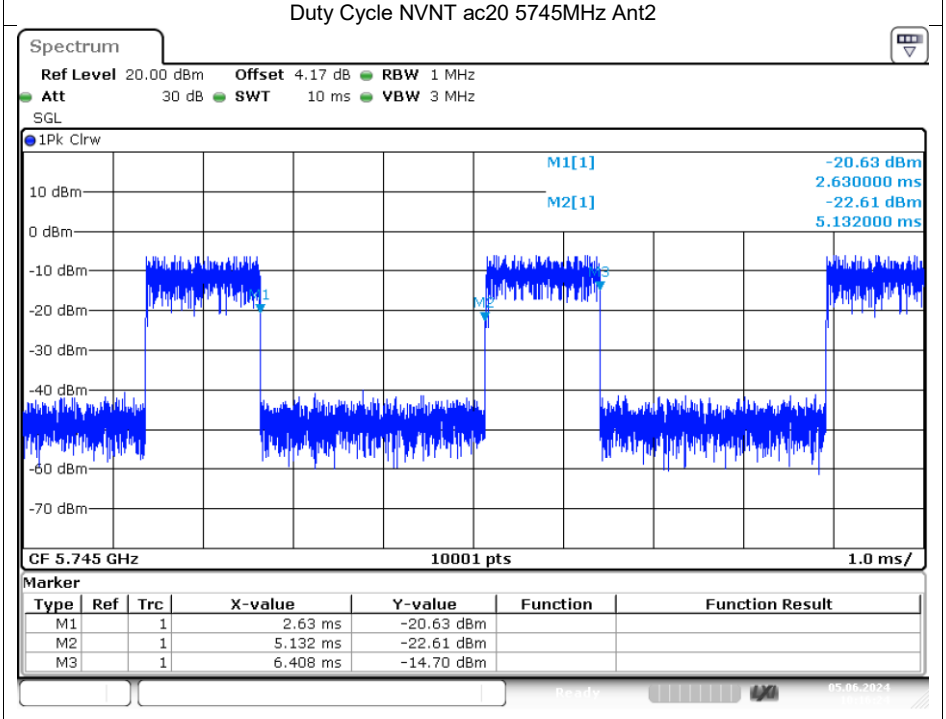
Date: 6.JUN.2024 08:07:03

Duty Cycle NVNT ac20 5745MHz Ant1



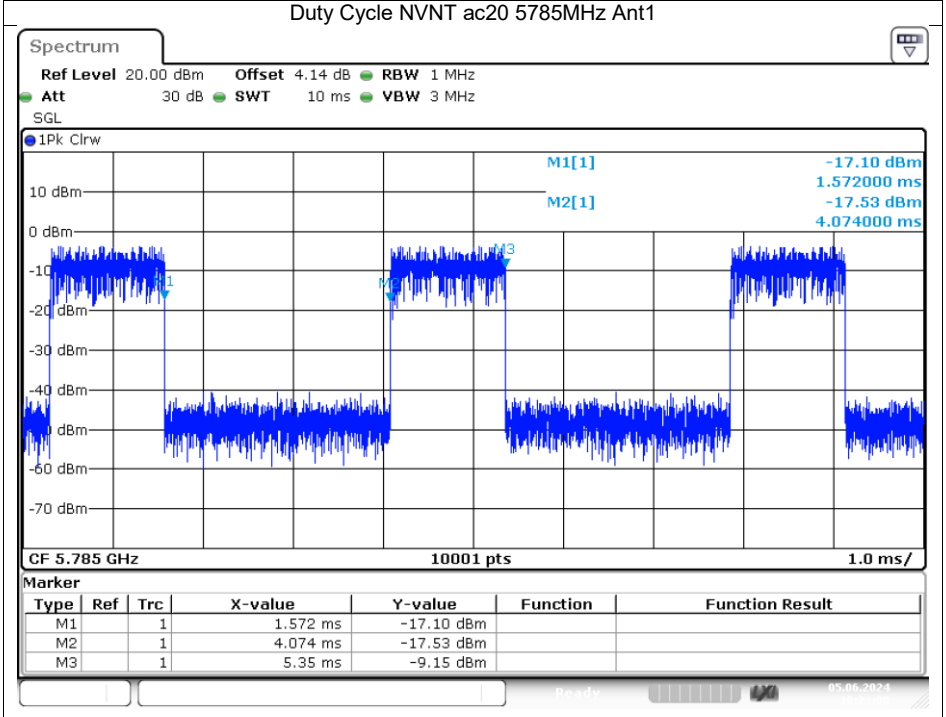
Date: 5.JUN.2024 10:15:33

Duty Cycle NVNT ac20 5745MHz Ant2



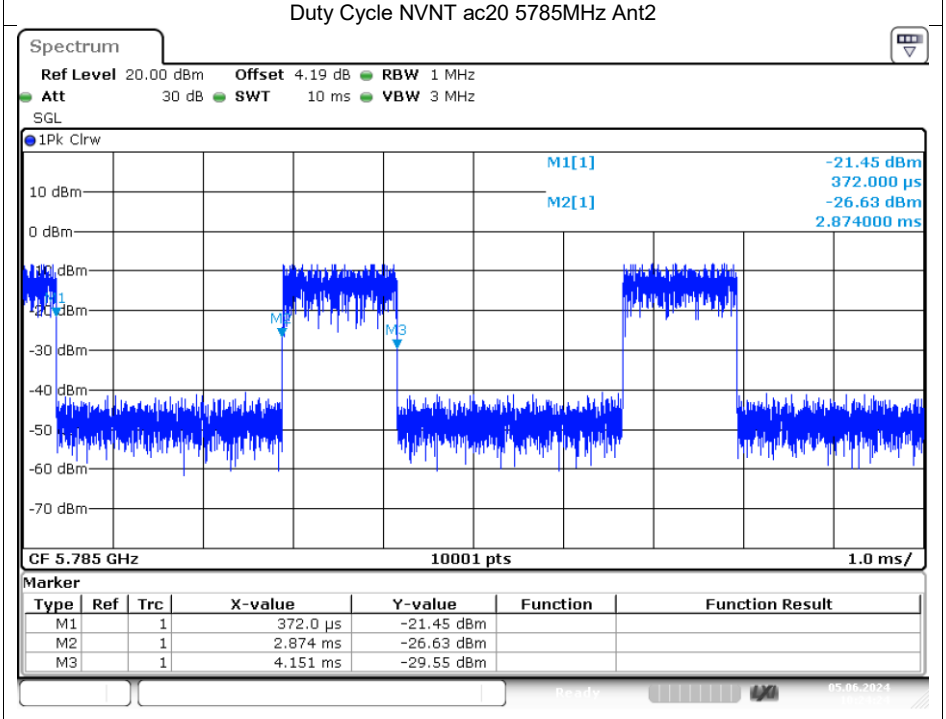
Date: 5.JUN.2024 10:16:24

Duty Cycle NVNT ac20 5785MHz Ant1



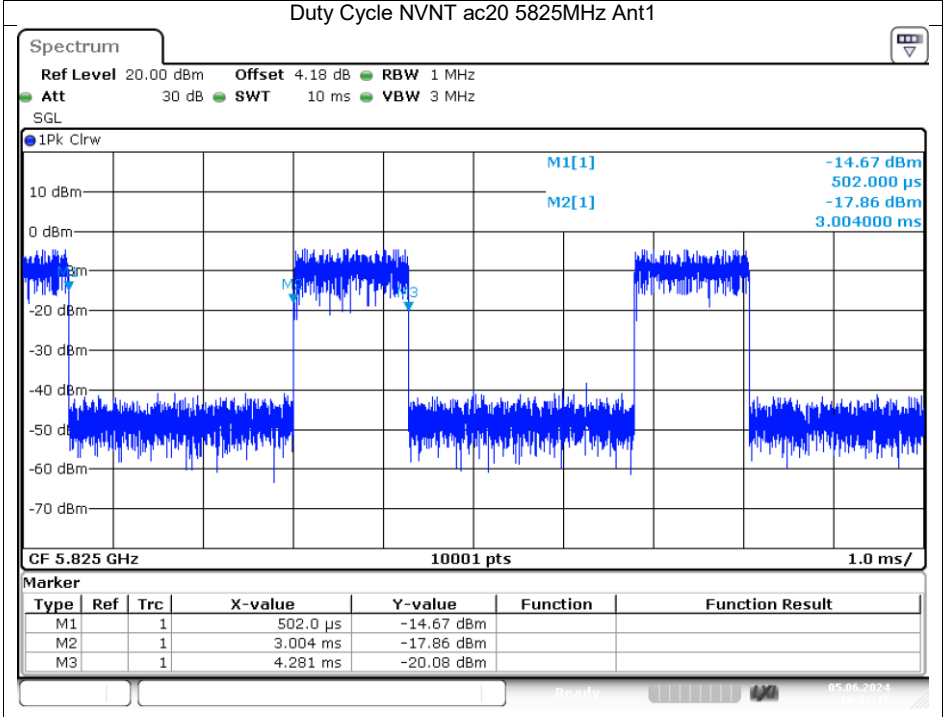
Date: 5.JUN.2024 10:23:01

Duty Cycle NVNT ac20 5785MHz Ant2



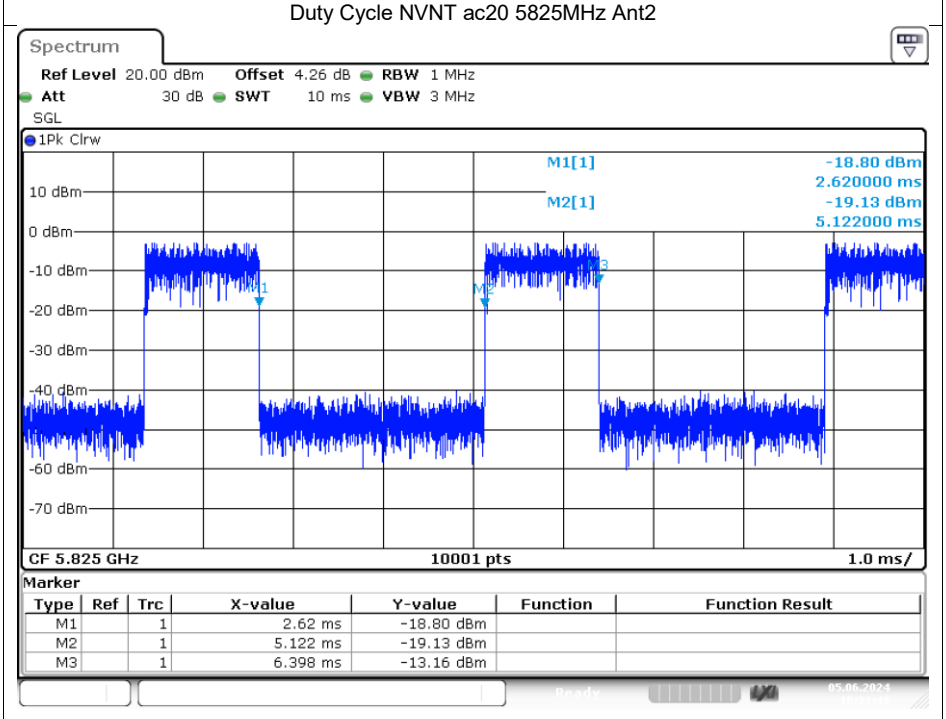
Date: 5.JUN.2024 10:24:24

Duty Cycle NVNT ac20 5825MHz Ant1



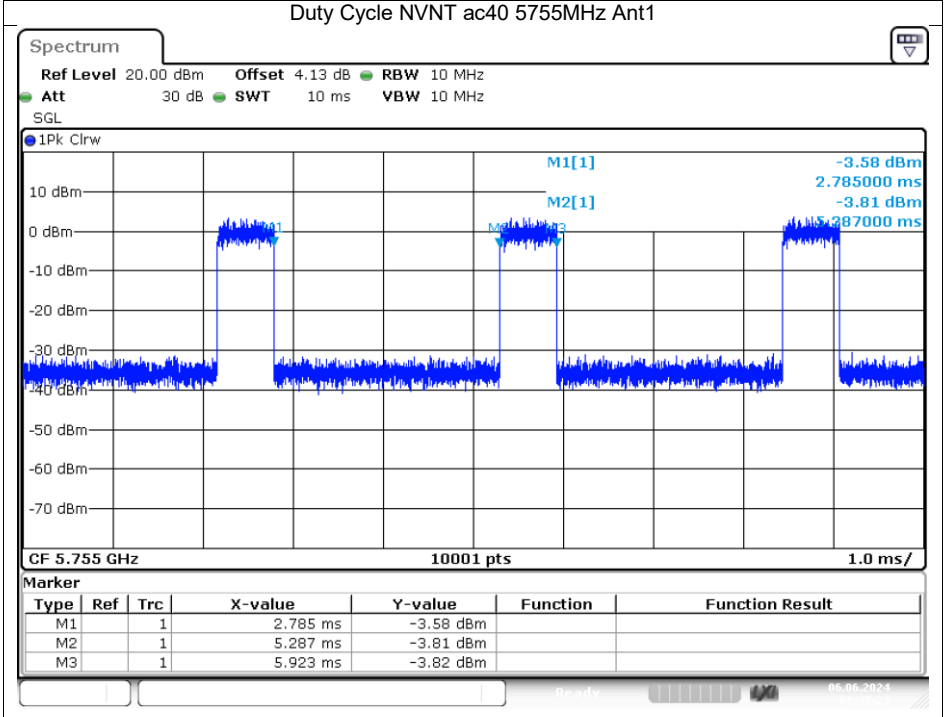
Date: 5.JUN.2024 10:31:17

Duty Cycle NVNT ac20 5825MHz Ant2



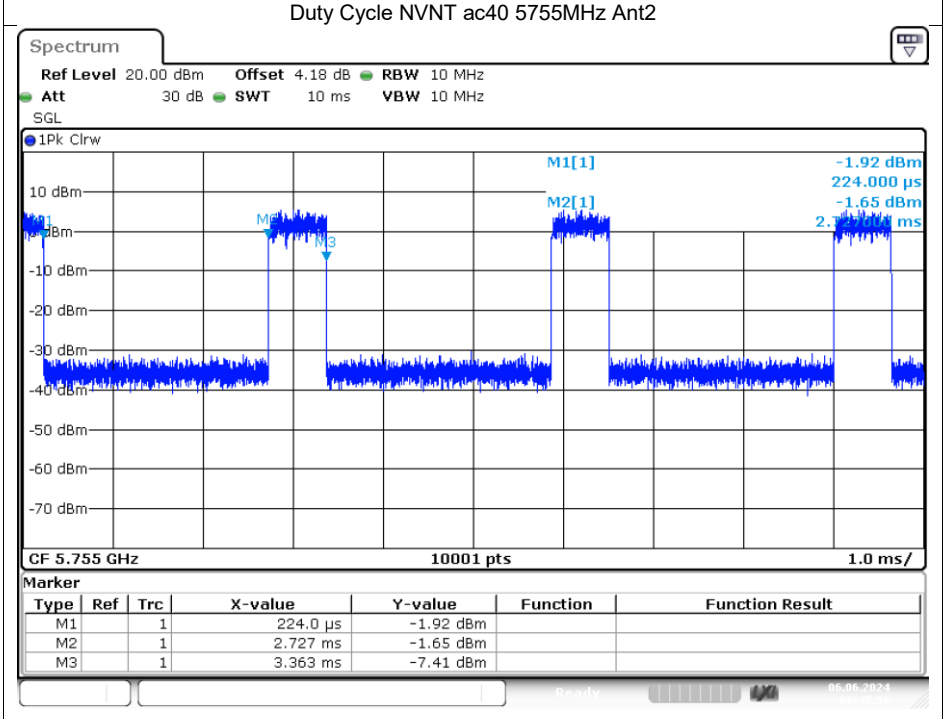
Date: 5.JUN.2024 10:31:50

Duty Cycle NVNT ac40 5755MHz Ant1



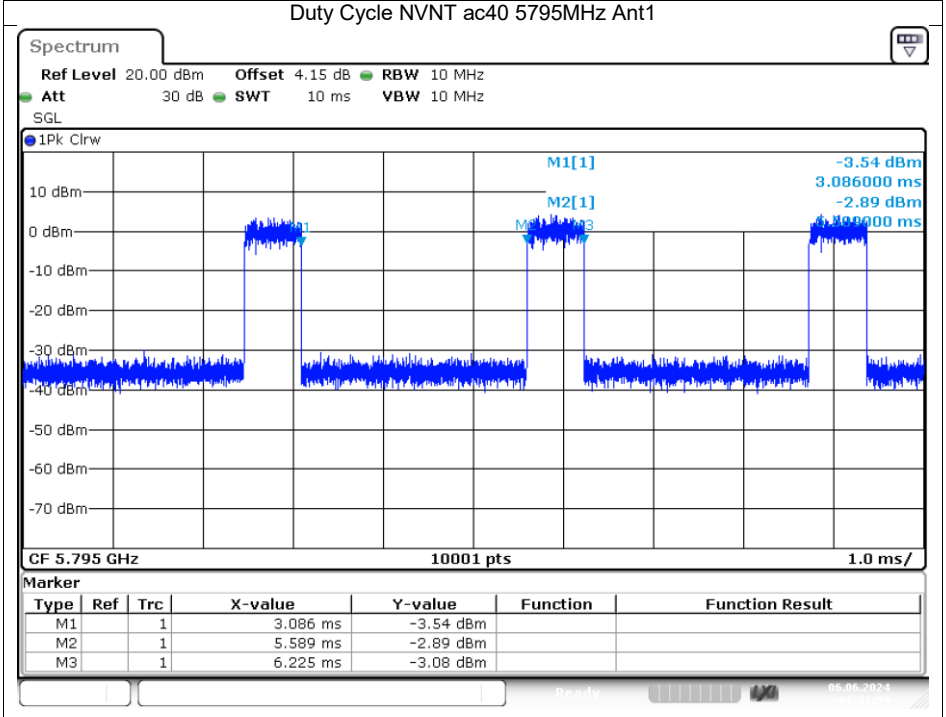
Date: 6.JUN.2024 08:45:23

Duty Cycle NVNT ac40 5755MHz Ant2



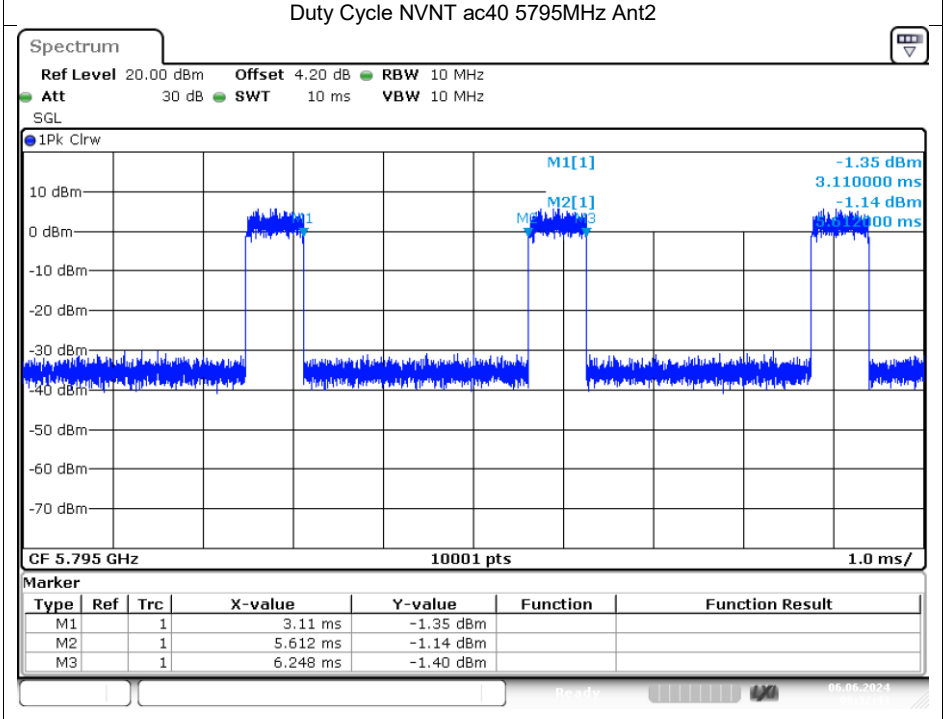
Date: 6.JUN.2024 08:45:58

Duty Cycle NVNT ac40 5795MHz Ant1



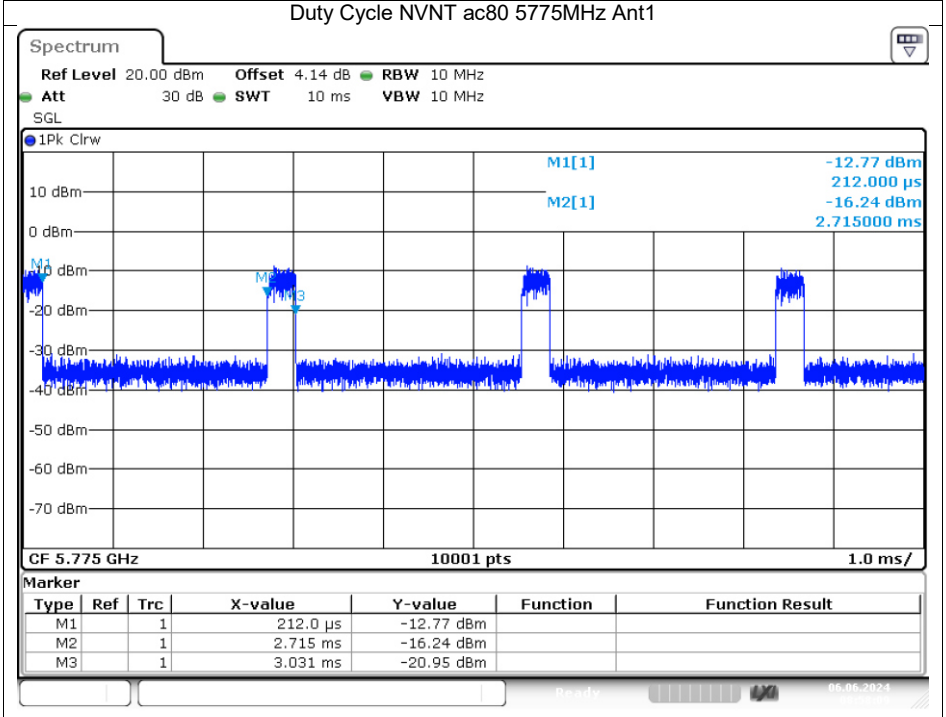
Date: 6.JUN.2024 08:31:58

Duty Cycle NVNT ac40 5795MHz Ant2



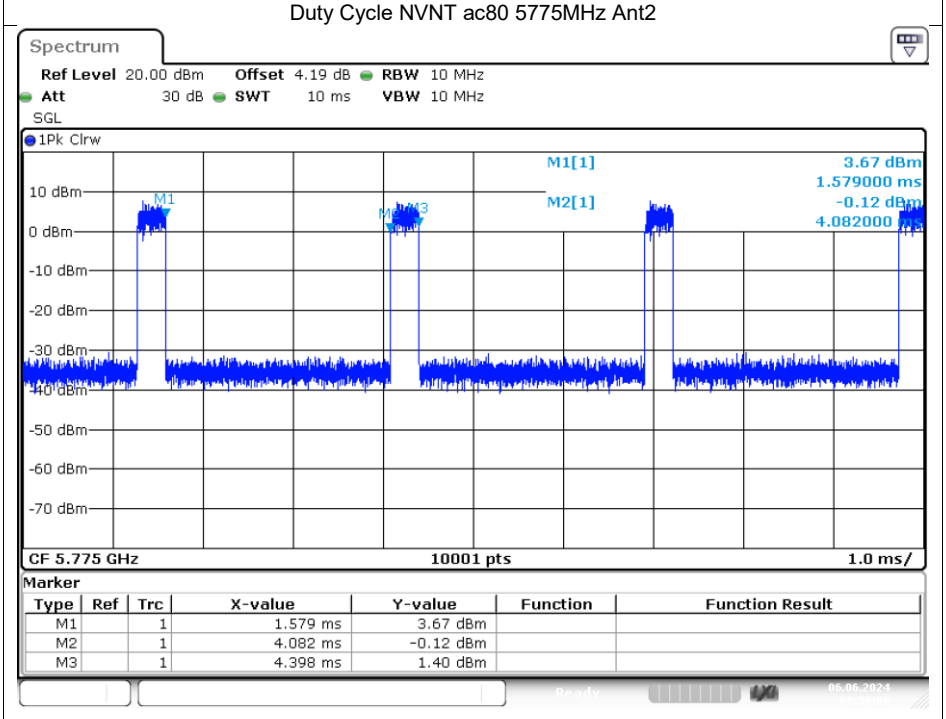
Date: 6.JUN.2024 08:32:43

Duty Cycle NVNT ac80 5775MHz Ant1



Date: 6.JUN.2024 08:58:09

Duty Cycle NVNT ac80 5775MHz Ant2



Date: 6.JUN.2024 08:59:08

Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	1.81	4.53	6.34	24	Pass
NVNT	a	5180	Ant2	1.43	4.53	5.96	24	Pass
NVNT	a	5200	Ant1	1.7	4.53	6.23	24	Pass
NVNT	a	5200	Ant2	1.29	4.53	5.82	24	Pass
NVNT	a	5240	Ant1	1.8	4.53	6.33	24	Pass
NVNT	a	5240	Ant2	1.19	4.53	5.72	24	Pass
NVNT	n20	5180	Ant1	-1.71	4.74	3.03	24	Pass
NVNT	n20	5180	Ant2	-3.38	4.72	1.34	24	Pass
NVNT	n20	5180	Sum	0.55	-	5.28	24	Pass
NVNT	n20	5200	Ant1	-8.29	4.74	-3.55	24	Pass
NVNT	n20	5200	Ant2	0.51	4.72	5.23	24	Pass
NVNT	n20	5200	Sum	1.05	-	5.77	24	Pass
NVNT	n20	5240	Ant1	-2.08	4.74	2.66	24	Pass
NVNT	n20	5240	Ant2	-2.64	4.72	2.08	24	Pass
NVNT	n20	5240	Sum	0.66	-	5.39	24	Pass
NVNT	n40	5190	Ant1	-7.95	6.98	-0.97	24	Pass
NVNT	n40	5190	Ant2	-4.41	6.96	2.55	24	Pass
NVNT	n40	5190	Sum	-2.82	-	4.15	24	Pass
NVNT	n40	5230	Ant1	-7.69	6.96	-0.73	24	Pass
NVNT	n40	5230	Ant2	-4.61	6.96	2.35	24	Pass
NVNT	n40	5230	Sum	-2.87	-	4.09	24	Pass
NVNT	ac20	5180	Ant1	-2.65	4.7	2.05	24	Pass
NVNT	ac20	5180	Ant2	-4.28	4.7	0.42	24	Pass
NVNT	ac20	5180	Sum	-0.38	-	4.32	24	Pass
NVNT	ac20	5200	Ant1	-9.85	4.7	-5.15	24	Pass
NVNT	ac20	5200	Ant2	-0.87	4.7	3.83	24	Pass
NVNT	ac20	5200	Sum	-0.35	-	4.35	24	Pass
NVNT	ac20	5240	Ant1	-3.28	4.7	1.42	24	Pass
NVNT	ac20	5240	Ant2	-3.72	4.7	0.98	24	Pass
NVNT	ac20	5240	Sum	-0.48	-	4.22	24	Pass
NVNT	ac40	5190	Ant1	-3.87	6.96	3.09	24	Pass
NVNT	ac40	5190	Ant2	-8.32	6.96	-1.36	24	Pass
NVNT	ac40	5190	Sum	-2.54	-	4.42	24	Pass
NVNT	ac40	5230	Ant1	-7.13	6.98	-0.15	24	Pass
NVNT	ac40	5230	Ant2	-4.89	6.98	2.09	24	Pass
NVNT	ac40	5230	Sum	-2.86	-	4.12	24	Pass
NVNT	ac80	5210	Ant1	-8.46	9.45	0.99	24	Pass
NVNT	ac80	5210	Ant2	-11.25	9.45	-1.8	24	Pass
NVNT	ac80	5210	Sum	-6.62	-	2.83	24	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	1.63	4.53	6.16	30	Pass
NVNT	a	5745	Ant2	1.68	4.53	6.21	30	Pass
NVNT	a	5785	Ant1	1.53	4.53	6.06	30	Pass
NVNT	a	5785	Ant2	1.67	4.53	6.2	30	Pass
NVNT	a	5825	Ant1	1.47	4.53	6	30	Pass
NVNT	a	5825	Ant2	1.69	4.53	6.22	30	Pass
NVNT	n20	5745	Ant1	-1.26	4.72	3.46	30	Pass
NVNT	n20	5745	Ant2	-4.8	4.72	-0.08	30	Pass
NVNT	n20	5745	Sum	0.33	-	5.05	30	Pass
NVNT	n20	5785	Ant1	-2.03	4.72	2.69	30	Pass
NVNT	n20	5785	Ant2	-4	4.72	0.72	30	Pass
NVNT	n20	5785	Sum	0.11	-	4.83	30	Pass
NVNT	n20	5825	Ant1	-4.25	4.72	0.47	30	Pass
NVNT	n20	5825	Ant2	-1.8	4.72	2.92	30	Pass
NVNT	n20	5825	Sum	0.16	-	4.88	30	Pass
NVNT	n40	5755	Ant1	-7.42	6.96	-0.46	30	Pass
NVNT	n40	5755	Ant2	-5.08	6.98	1.9	30	Pass
NVNT	n40	5755	Sum	-3.08	-	3.89	30	Pass
NVNT	n40	5795	Ant1	-6.39	6.96	0.57	30	Pass
NVNT	n40	5795	Ant2	-4.66	6.96	2.3	30	Pass
NVNT	n40	5795	Sum	-2.43	-	4.53	30	Pass
NVNT	ac20	5745	Ant1	-1.34	4.7	3.36	30	Pass
NVNT	ac20	5745	Ant2	-4.74	4.7	-0.04	30	Pass
NVNT	ac20	5745	Sum	0.29	-	4.99	30	Pass