

Appendix: Bluetooth Classic

Contents

Contents 2

Dwell Time 3

Duty Cycle 13

Maximum Peak Conducted Output Power 19

-20dB Bandwidth 25

Occupied Channel Bandwidth 31

Carrier Frequencies Separation 37

Band Edge 43

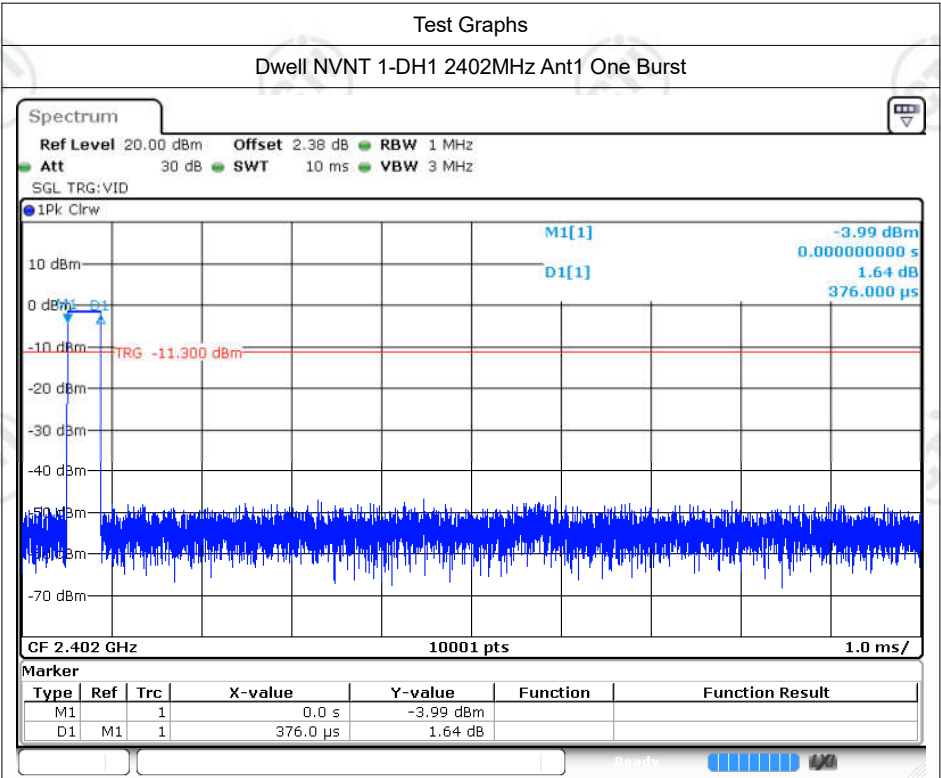
Band Edge(Hopping) 50

Conducted RF Spurious Emission 57

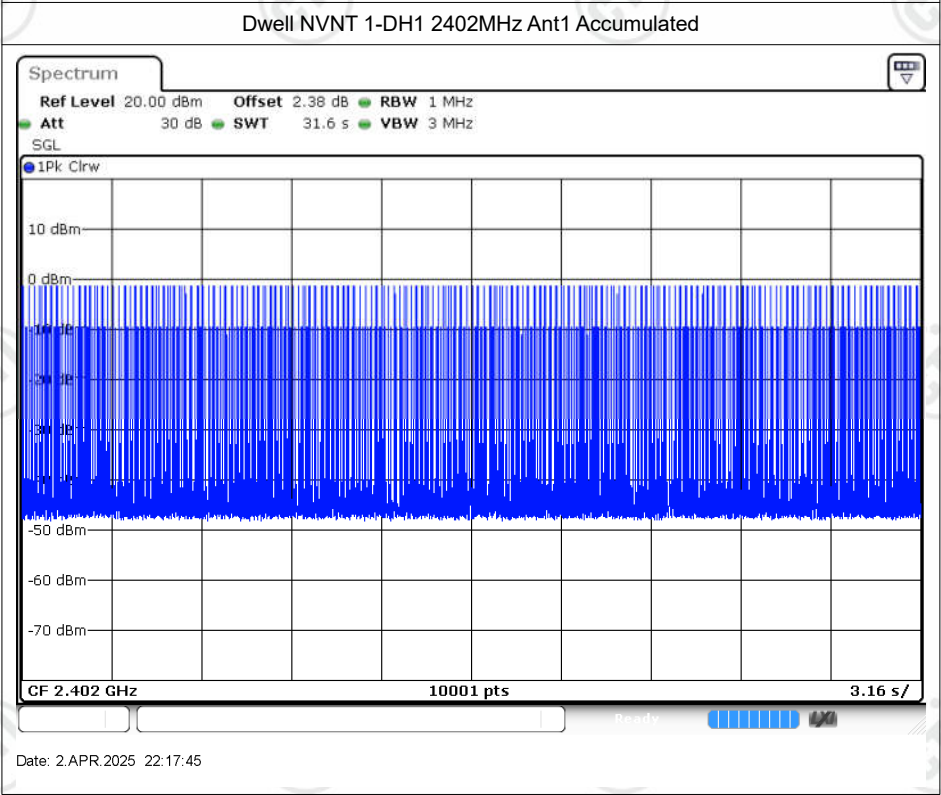
Number of Hopping Channel 67

Dwell Time

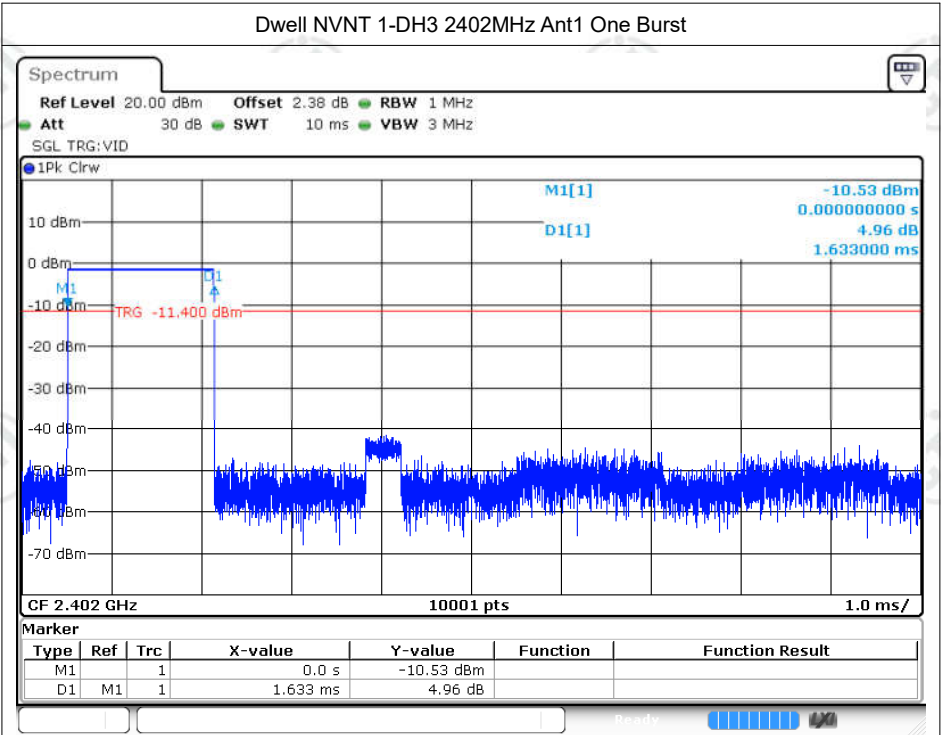
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2402	Ant1	0.376	118.816	316	31600	400	Pass
NVNT	1-DH3	2402	Ant1	1.633	249.849	153	31600	400	Pass
NVNT	1-DH5	2402	Ant1	2.881	276.576	96	31600	400	Pass
NVNT	2-DH1	2402	Ant1	0.386	122.748	318	31600	400	Pass
NVNT	2-DH3	2402	Ant1	1.638	258.804	158	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.886	308.802	107	31600	400	Pass
NVNT	3-DH1	2402	Ant1	0.387	121.905	315	31600	400	Pass
NVNT	3-DH3	2402	Ant1	1.637	250.461	153	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.888	352.336	122	31600	400	Pass



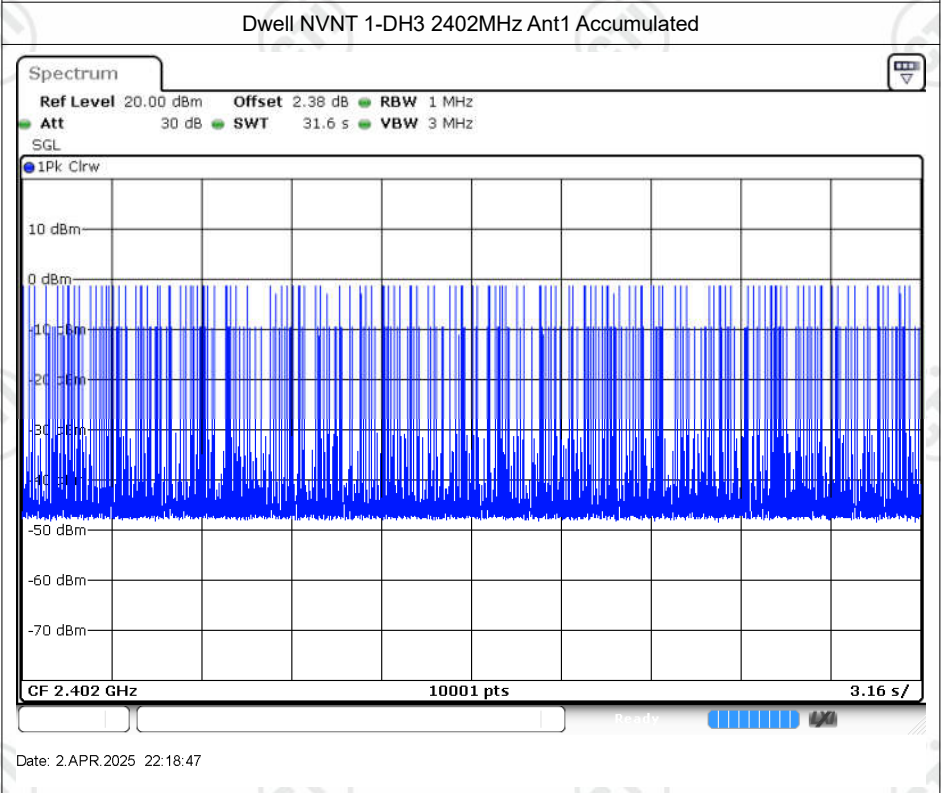
Date: 2.APR.2025 22:17:12



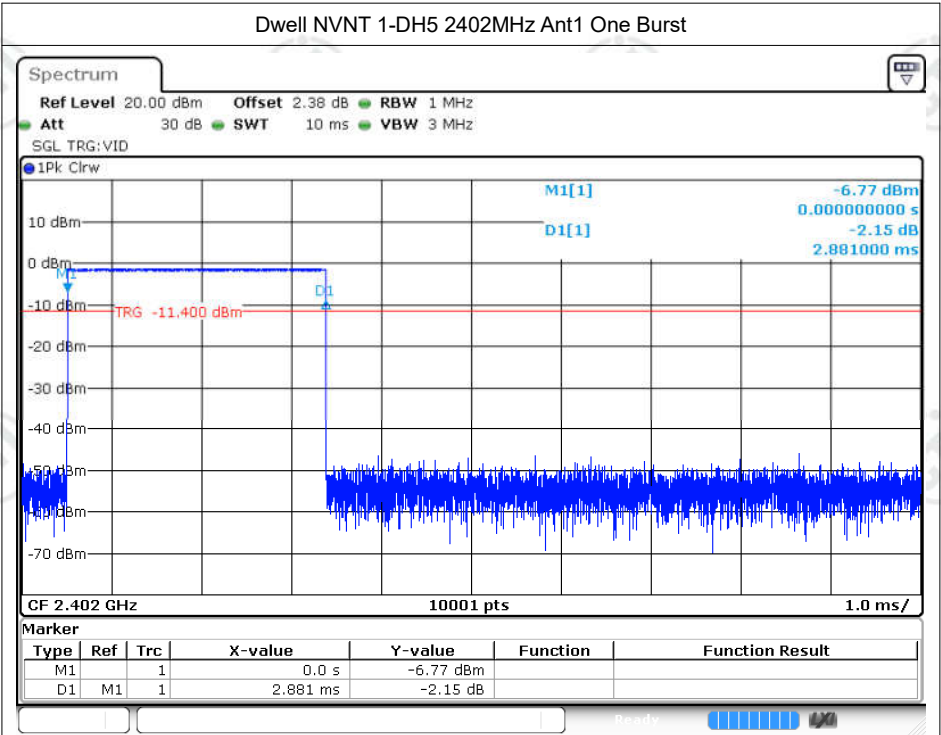
Date: 2.APR.2025 22:17:45



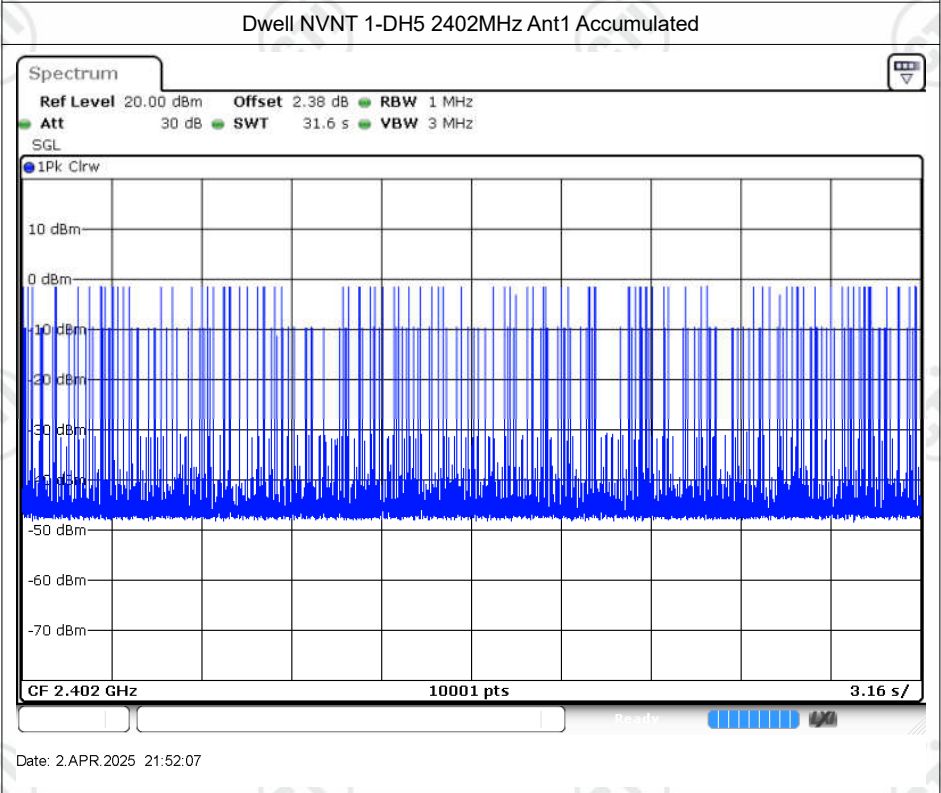
Date: 2.APR.2025 22:18:14



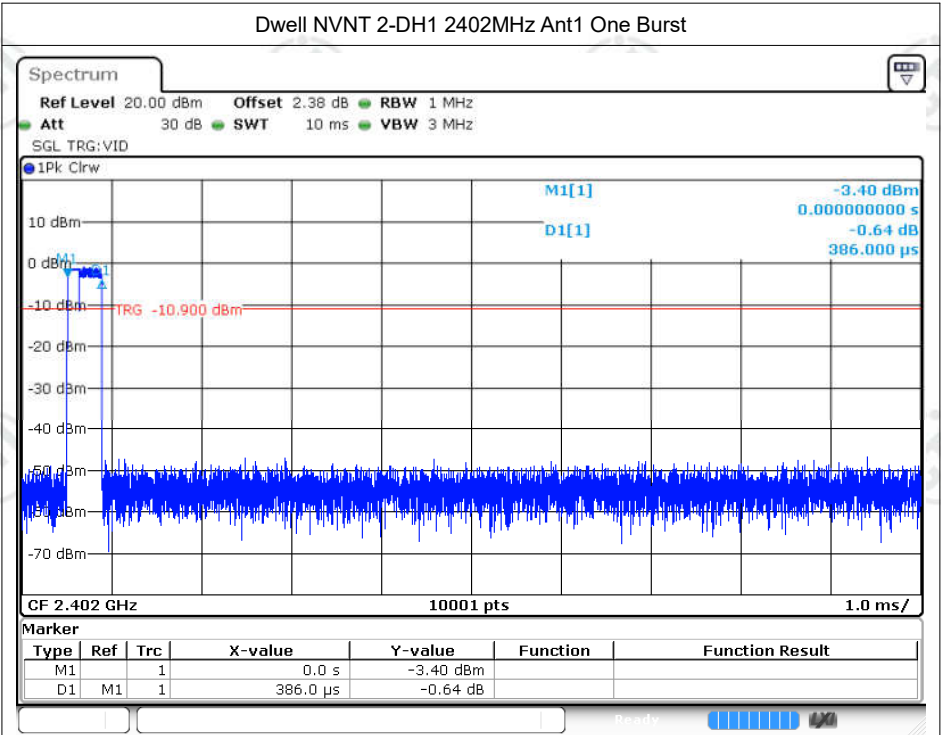
Date: 2.APR.2025 22:18:47



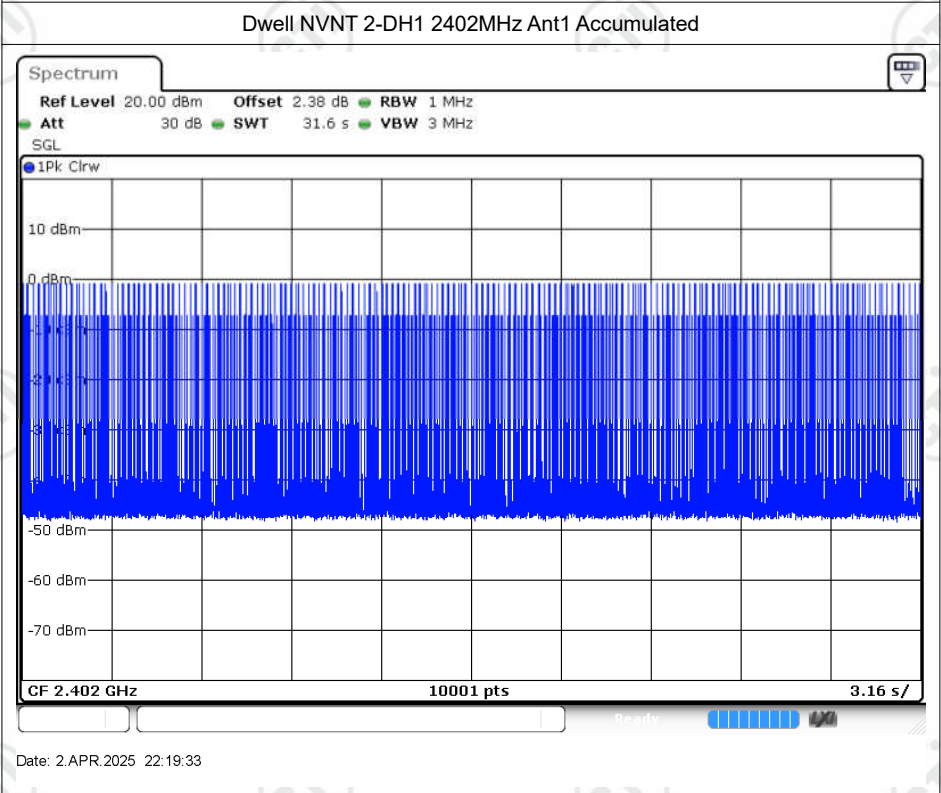
Date: 2.APR.2025 21:51:34



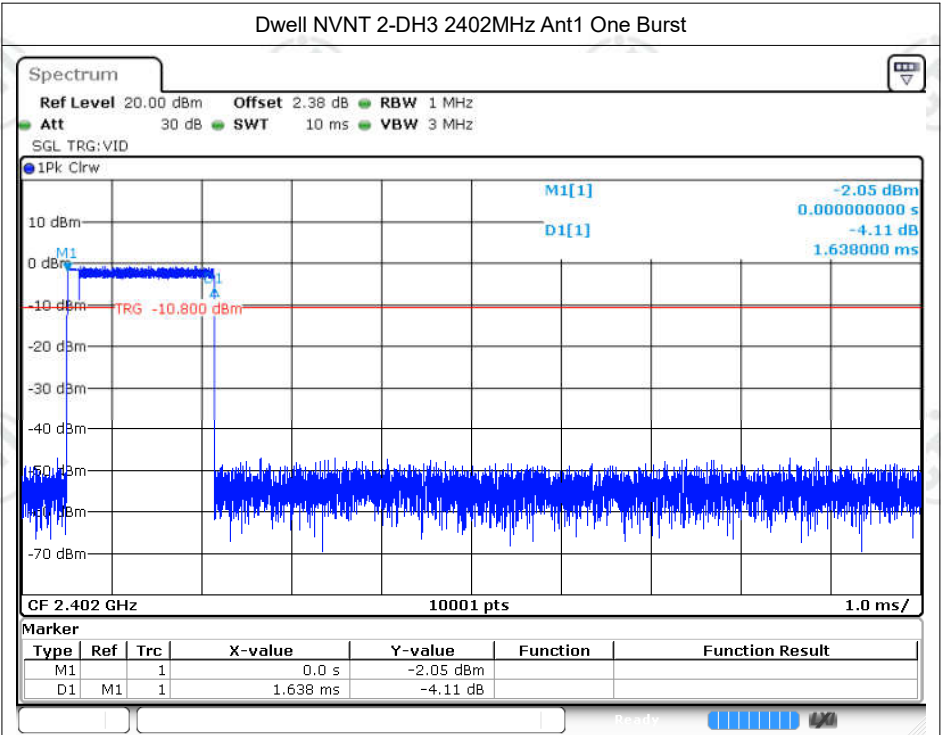
Date: 2.APR.2025 21:52:07



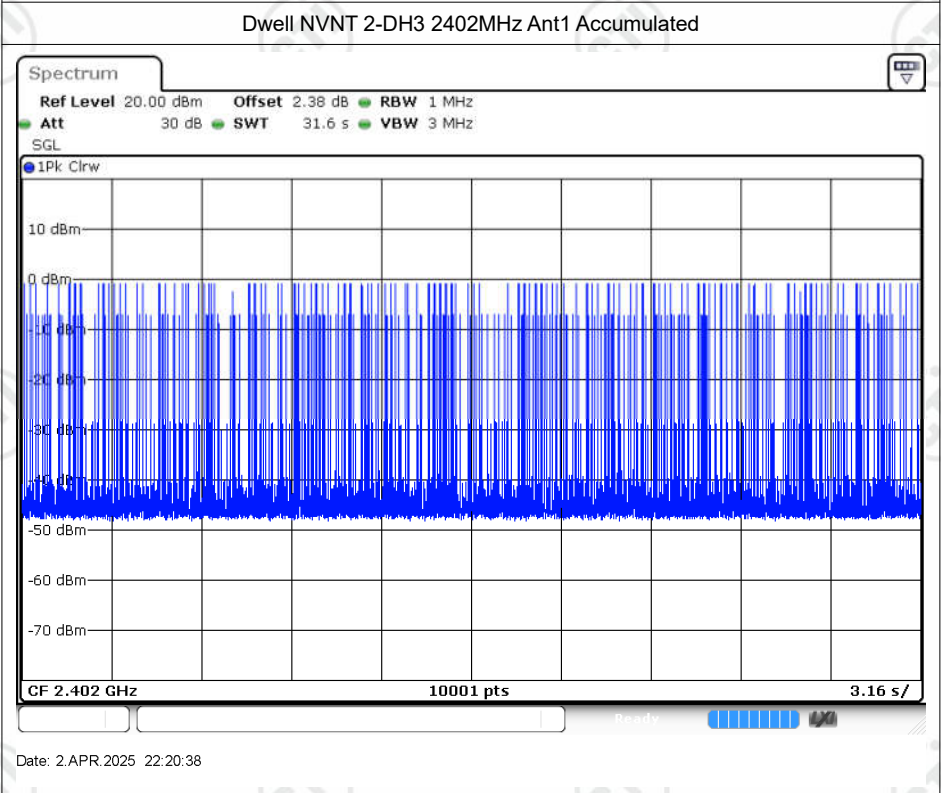
Date: 2.APR.2025 22:19:00



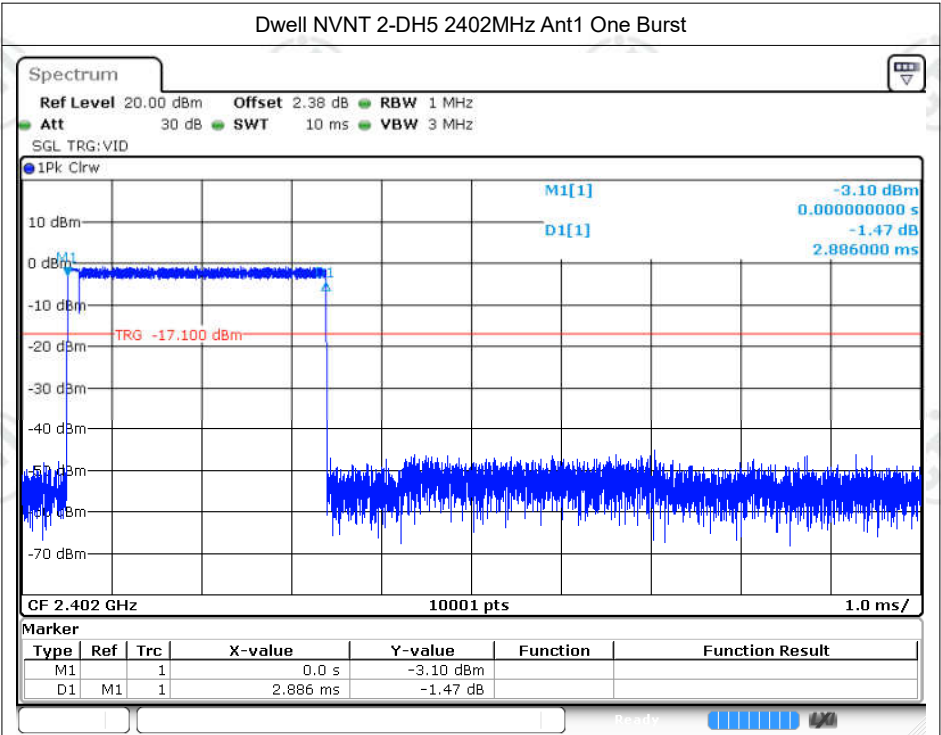
Date: 2.APR.2025 22:19:33



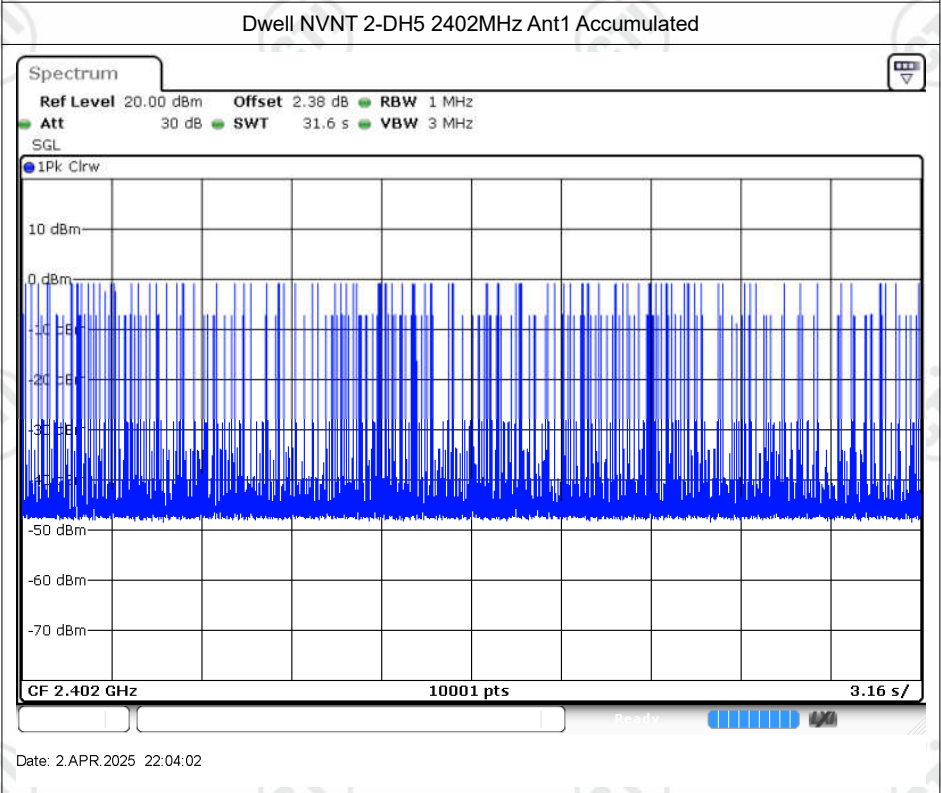
Date: 2.APR.2025 22:20:06



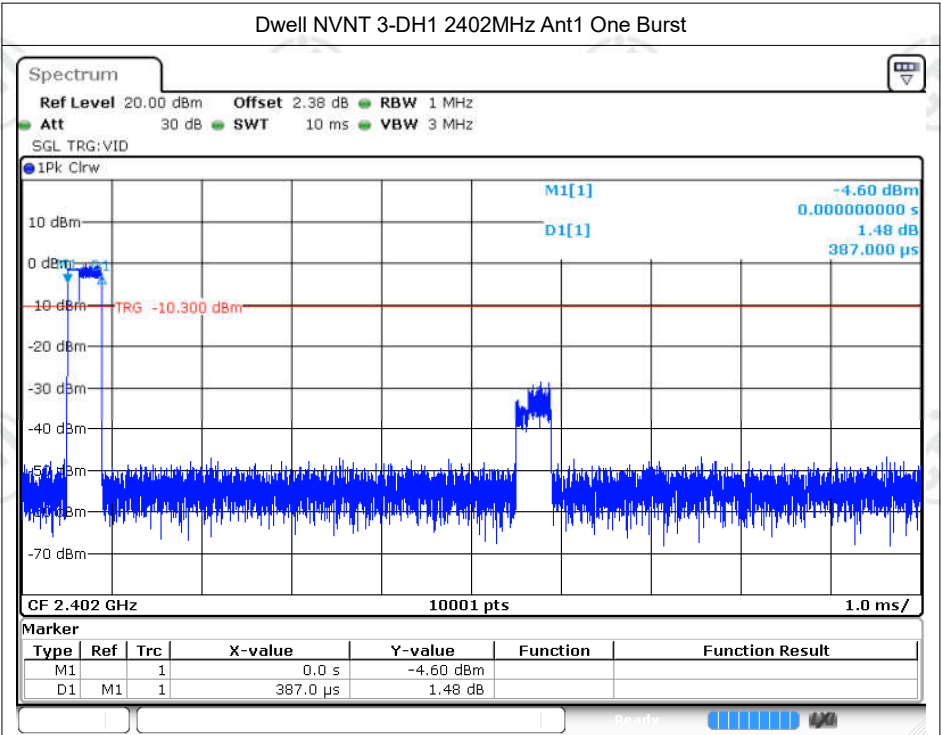
Date: 2.APR.2025 22:20:38



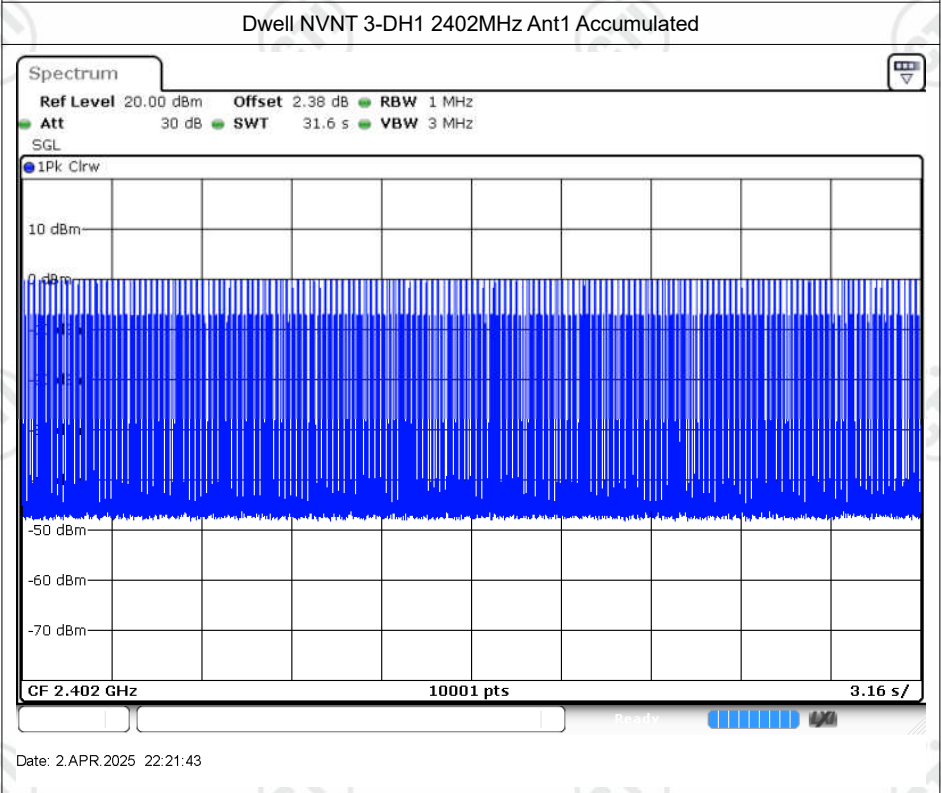
Date: 2.APR.2025 22:03:29



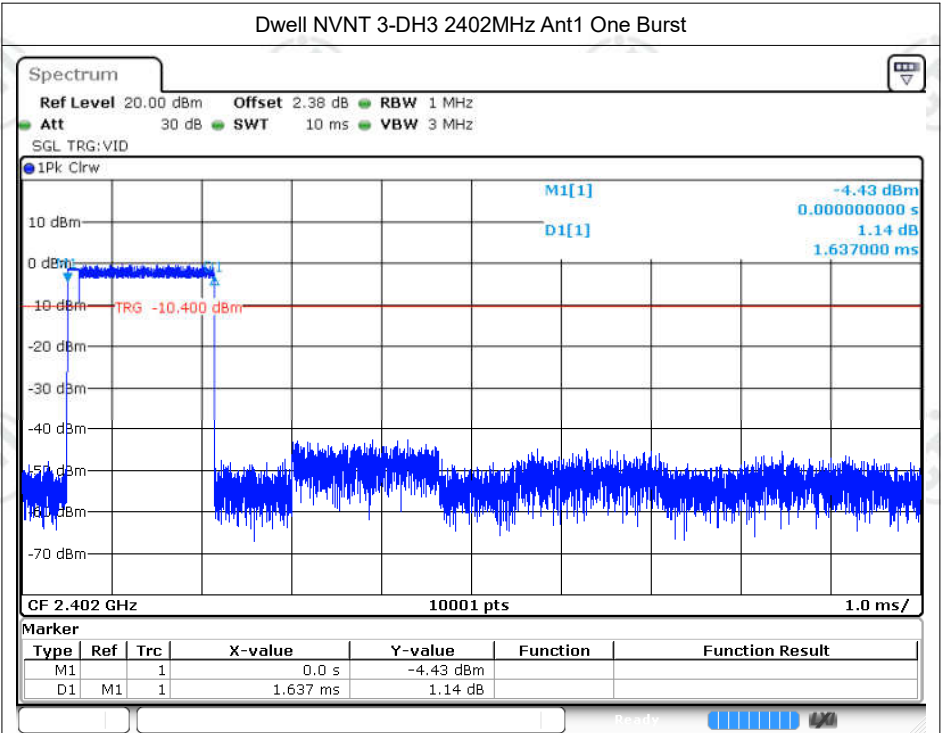
Date: 2.APR.2025 22:04:02



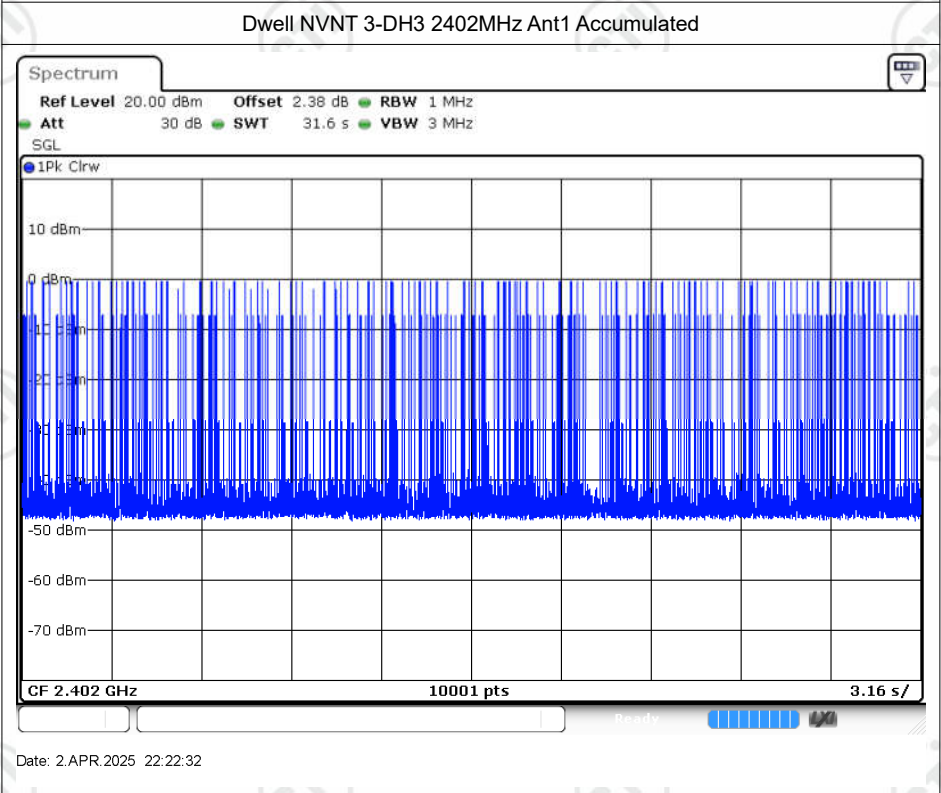
Date: 2.APR.2025 22:21:10



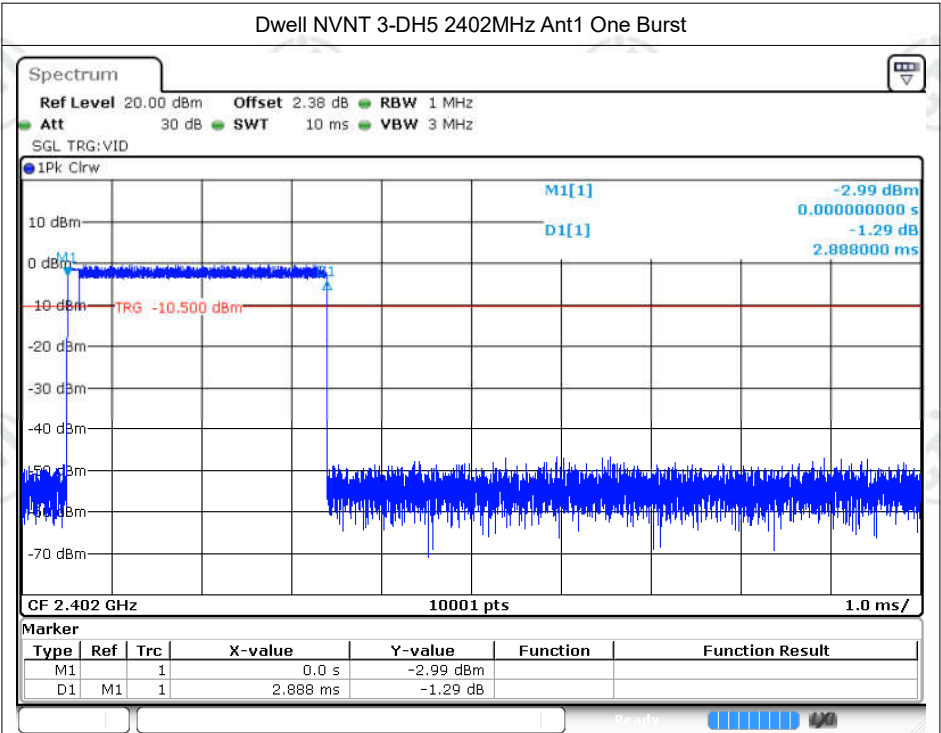
Date: 2.APR.2025 22:21:43



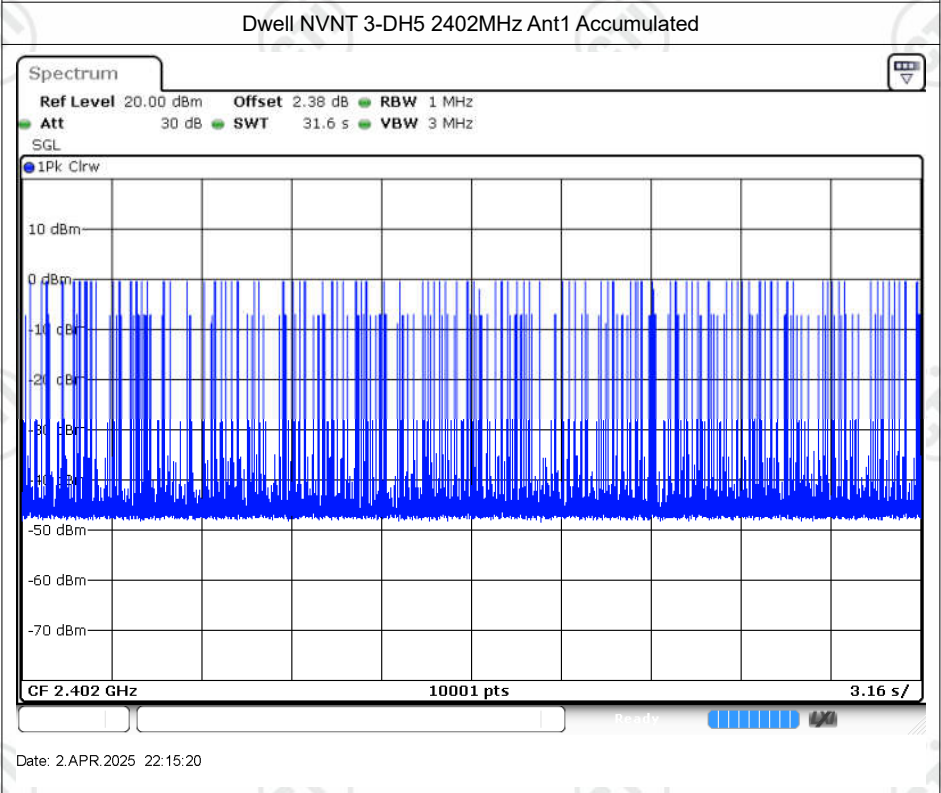
Date: 2.APR.2025 22:21:59



Date: 2.APR.2025 22:22:32



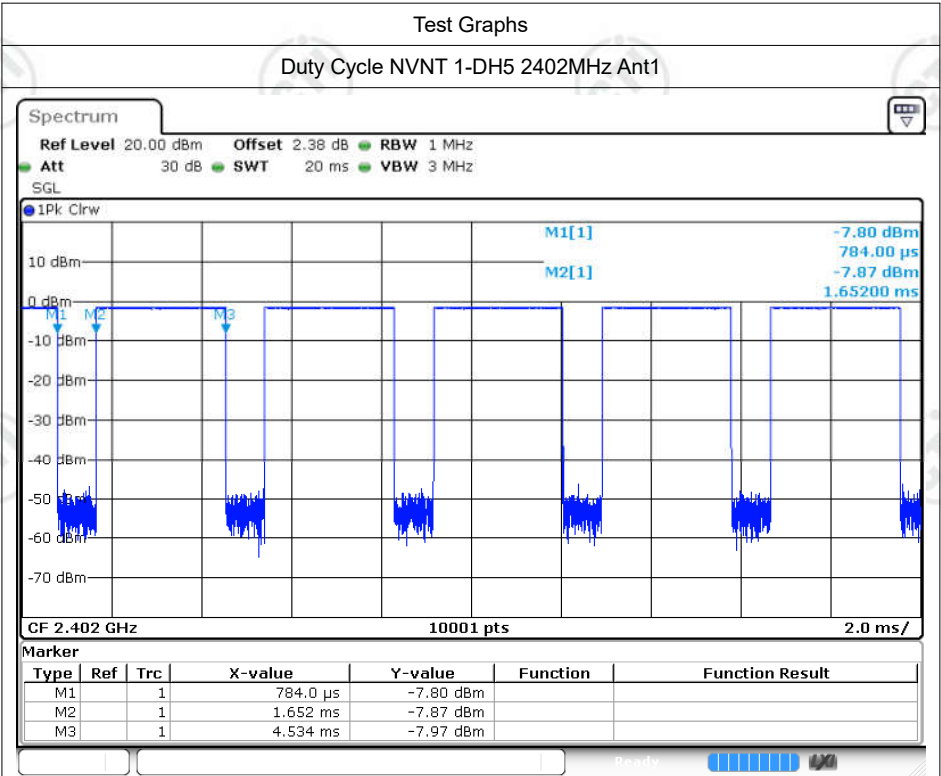
Date: 2.APR.2025 22:14:47



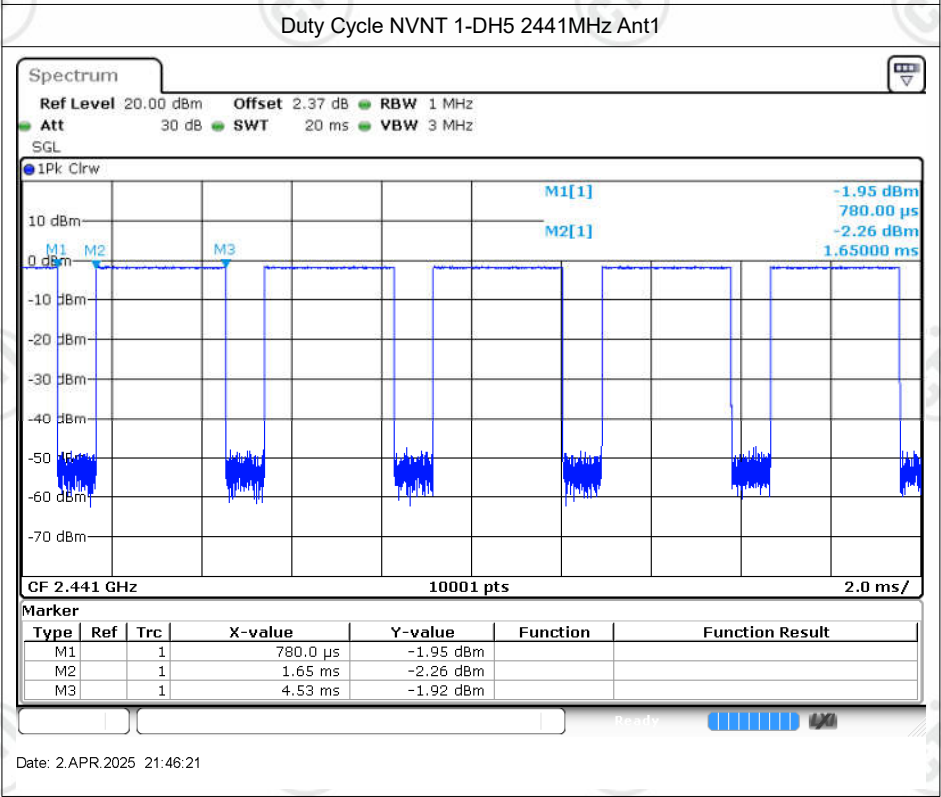
Date: 2.APR.2025 22:15:20

Duty Cycle

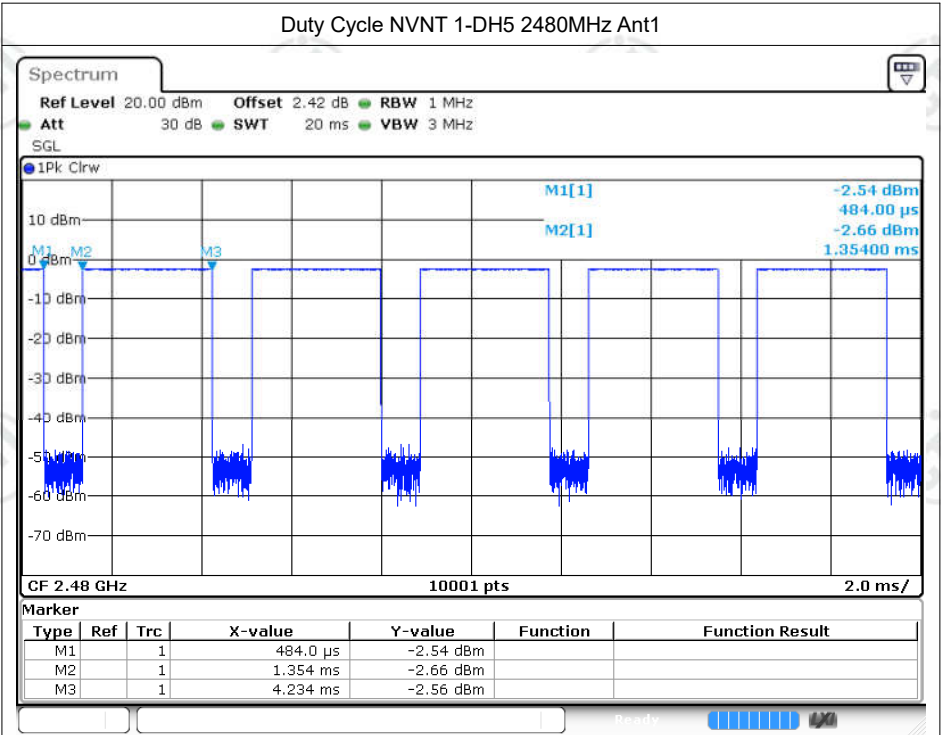
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	76.85	1.14	0.35
NVNT	1-DH5	2441	Ant1	76.8	1.15	0.35
NVNT	1-DH5	2480	Ant1	76.8	1.15	0.35
NVNT	2-DH5	2402	Ant1	76.96	1.14	0.35
NVNT	2-DH5	2441	Ant1	77.01	1.13	0.35
NVNT	2-DH5	2480	Ant1	76.96	1.14	0.35
NVNT	3-DH5	2402	Ant1	77.07	1.13	0.35
NVNT	3-DH5	2441	Ant1	77.07	1.13	0.35
NVNT	3-DH5	2480	Ant1	77.01	1.13	0.35



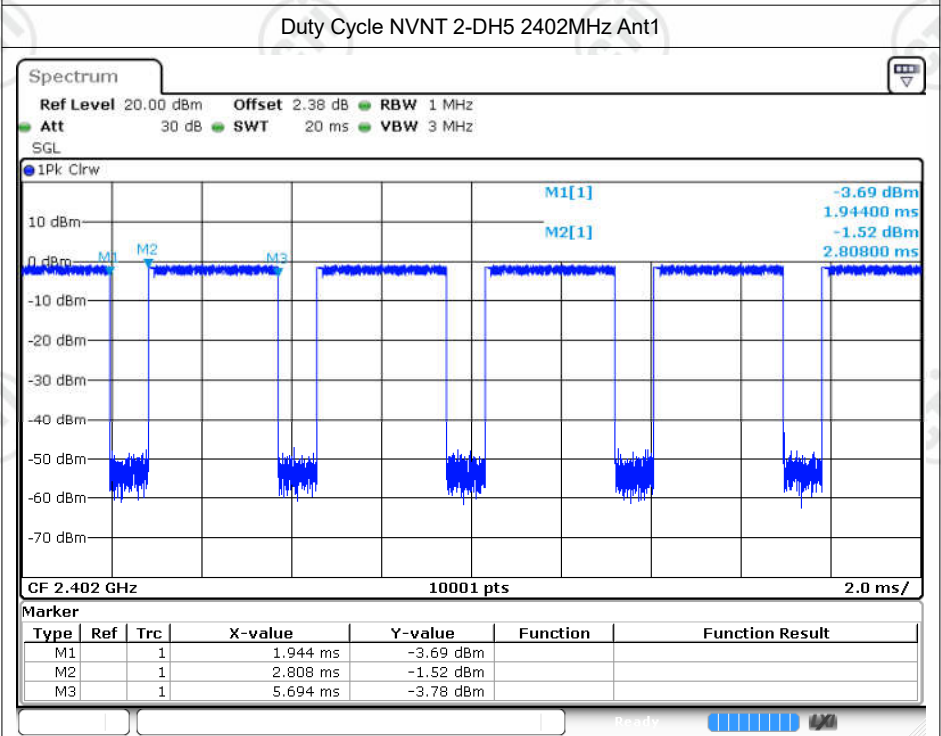
Date: 2.APR.2025 21:44:14



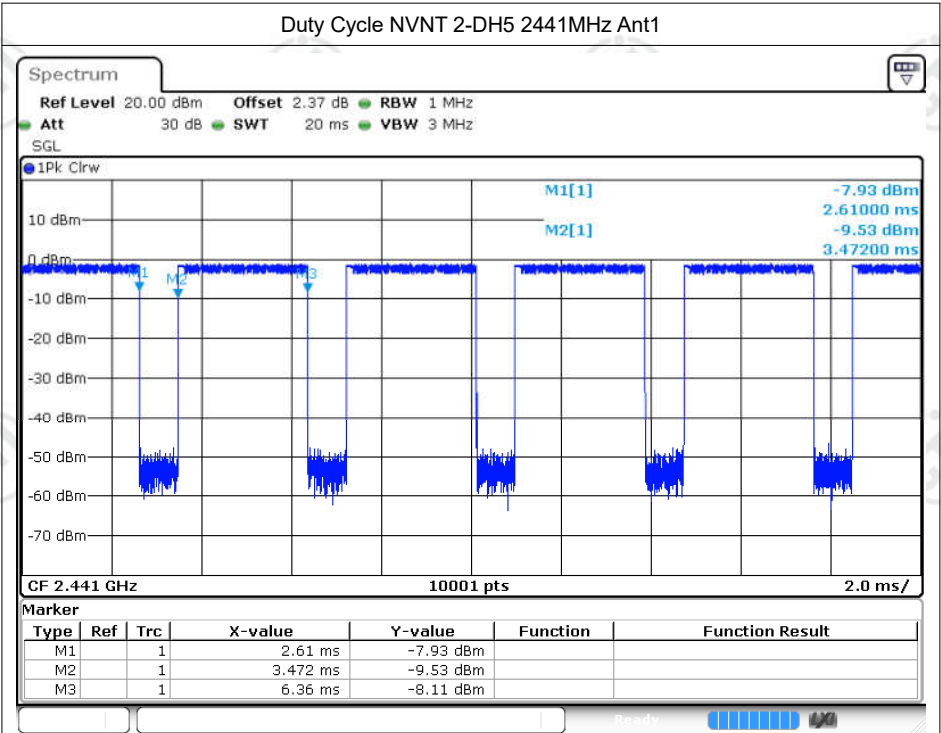
Date: 2.APR.2025 21:46:21



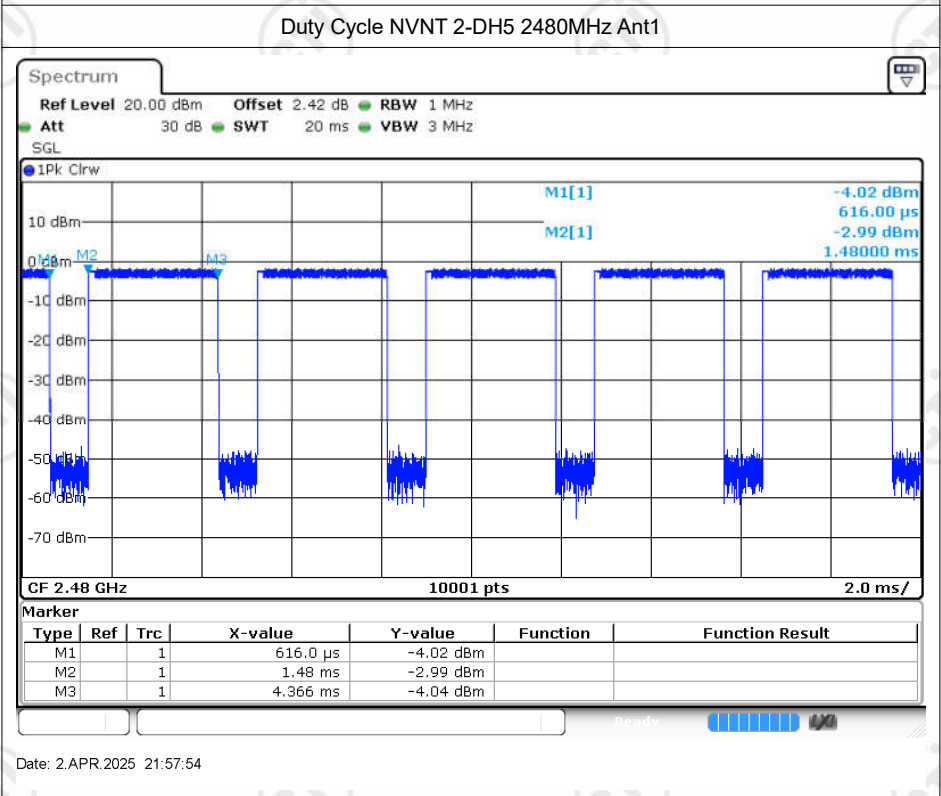
Date: 2.APR.2025 21:48:04



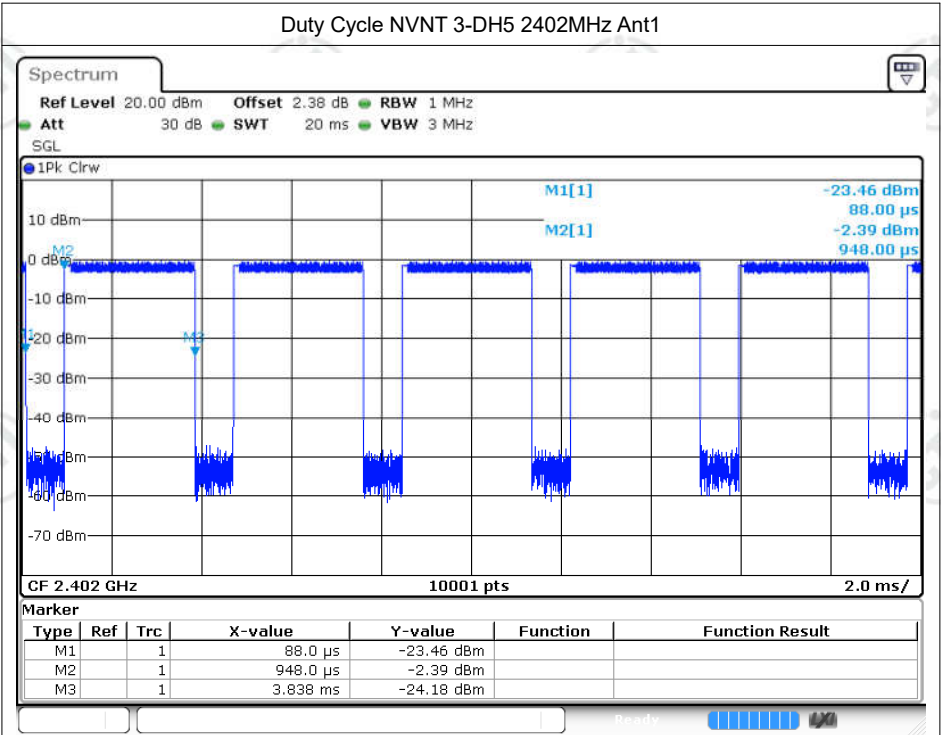
Date: 2.APR.2025 21:54:49



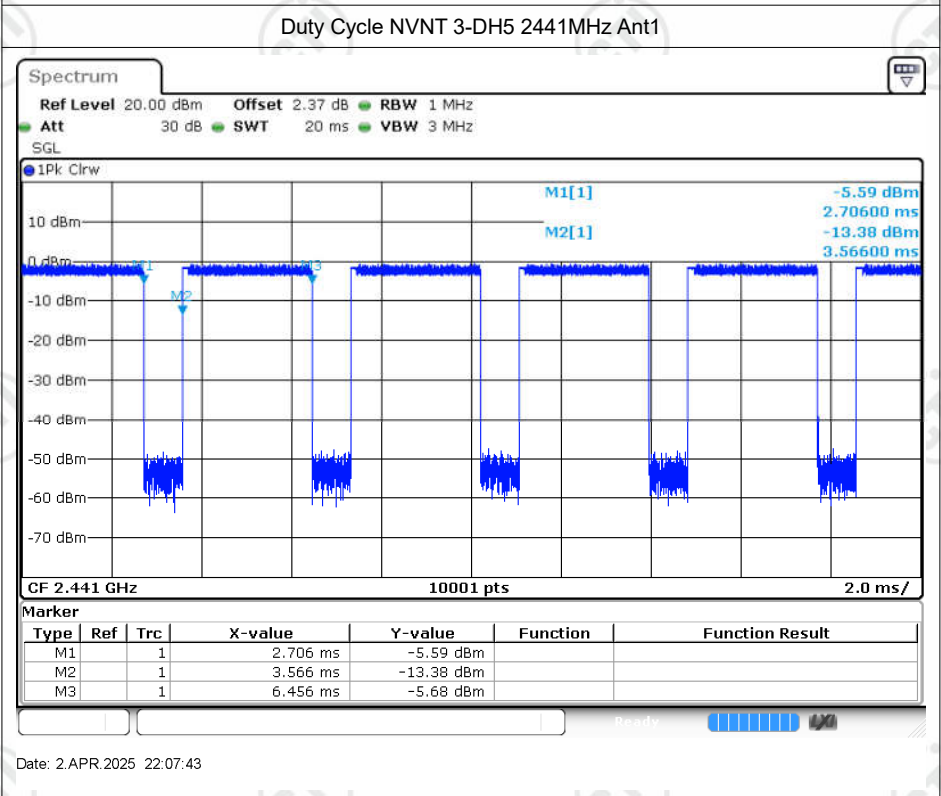
Date: 2.APR.2025 21:56:28



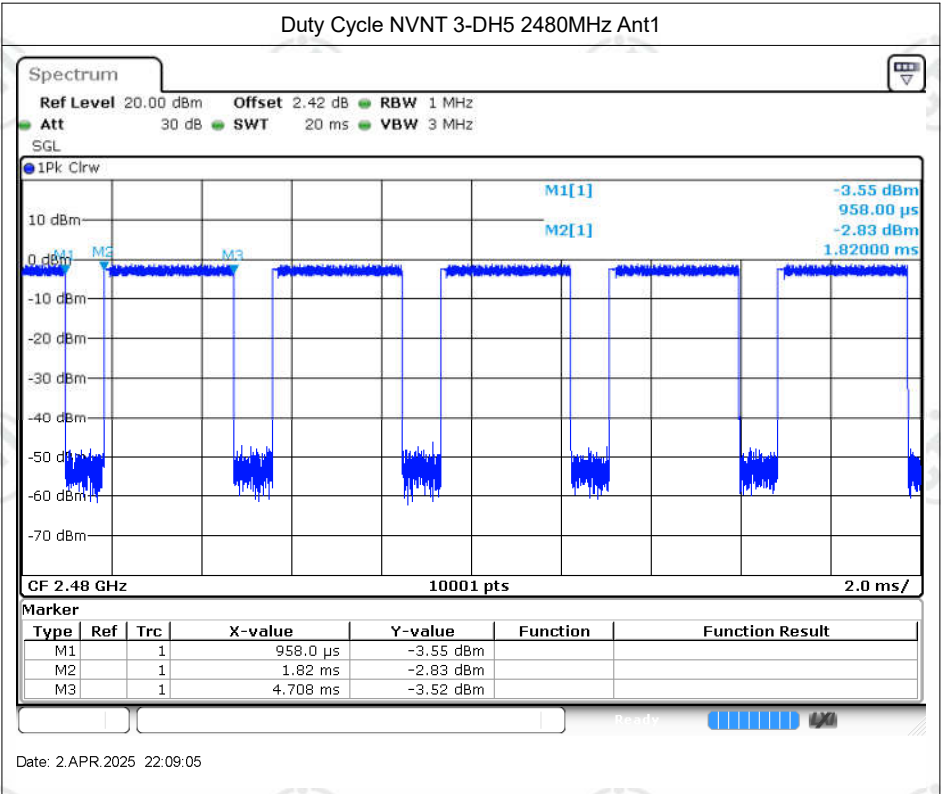
Date: 2.APR.2025 21:57:54



Date: 2.APR.2025 22:05:53

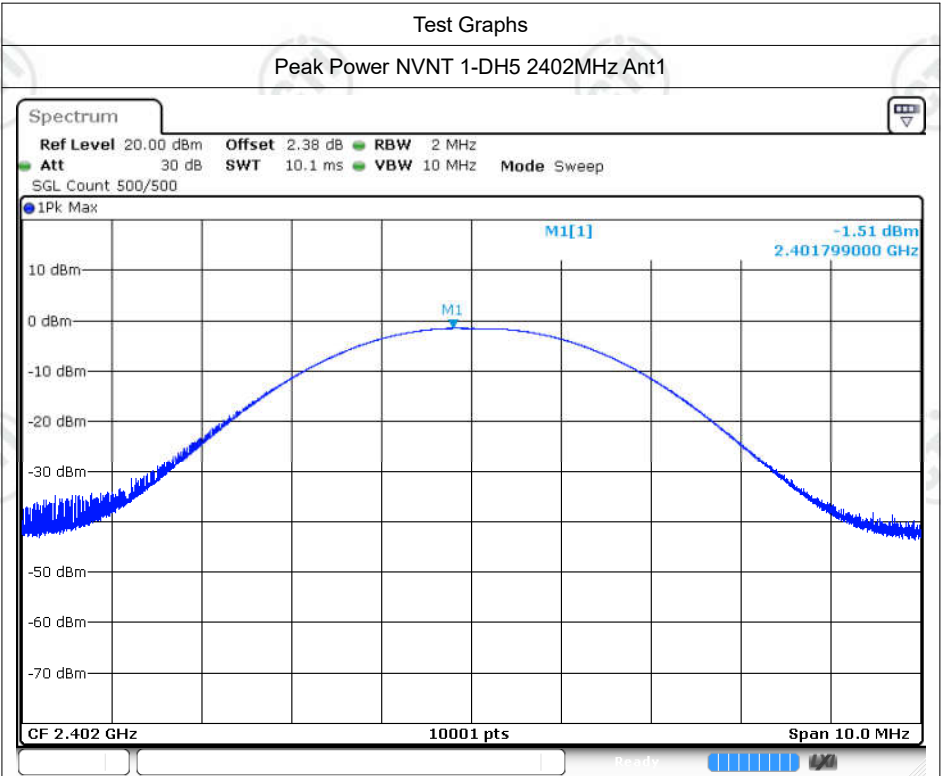


Date: 2.APR.2025 22:07:43

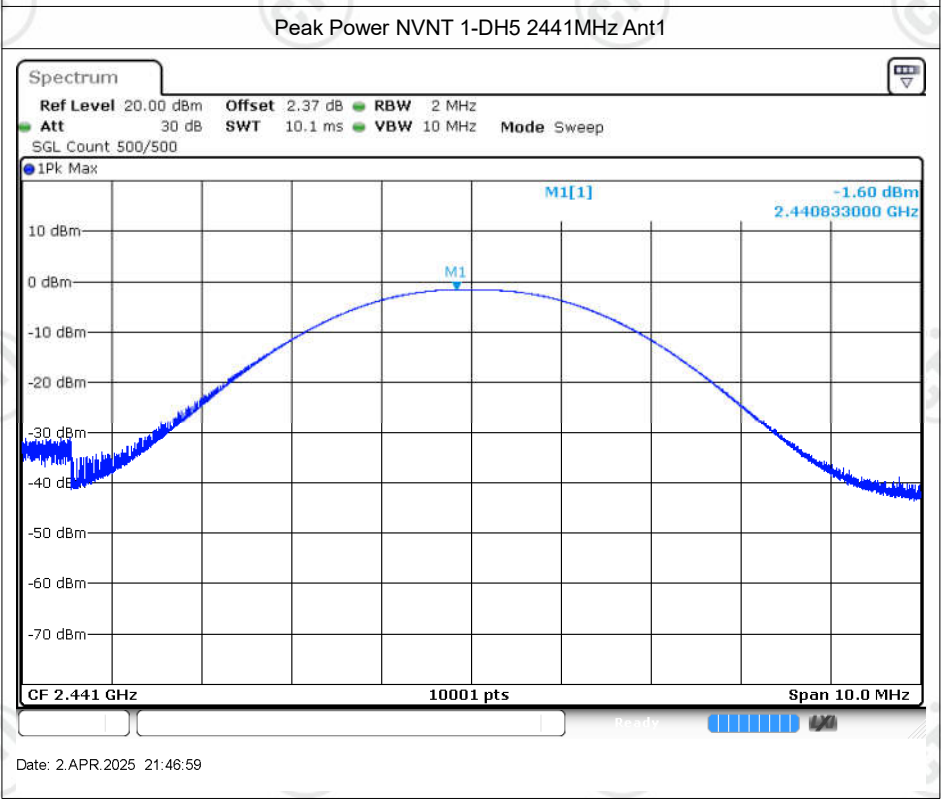


Maximum Peak Conducted Output Power

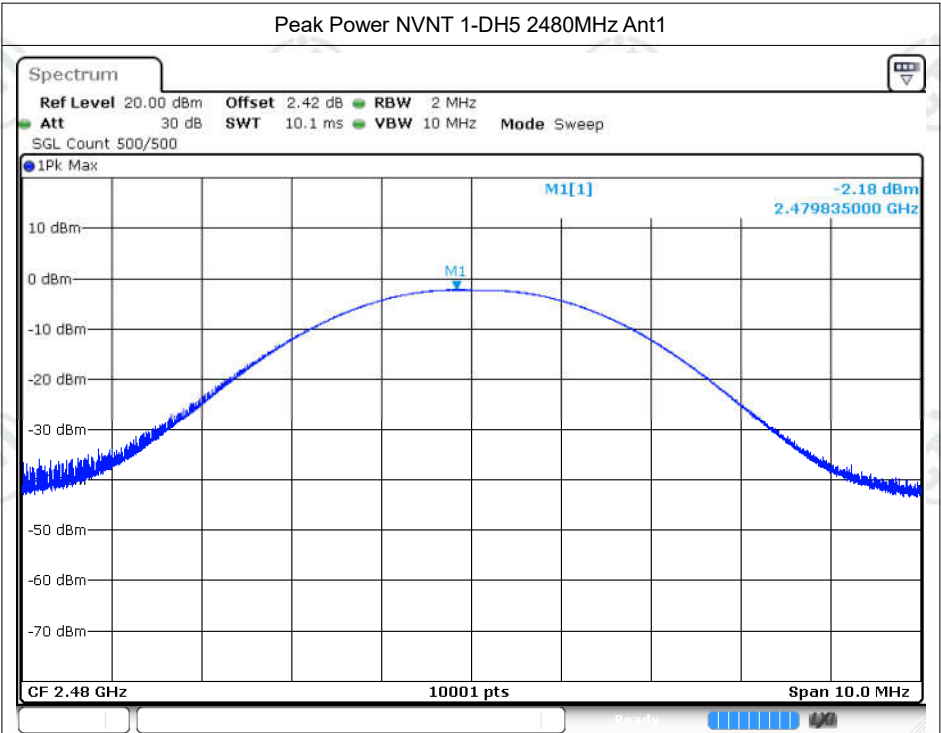
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-1.51	21	Pass
NVNT	1-DH5	2441	Ant1	-1.6	21	Pass
NVNT	1-DH5	2480	Ant1	-2.18	21	Pass
NVNT	2-DH5	2402	Ant1	-0.47	21	Pass
NVNT	2-DH5	2441	Ant1	-0.67	21	Pass
NVNT	2-DH5	2480	Ant1	-1.28	21	Pass
NVNT	3-DH5	2402	Ant1	-0.04	21	Pass
NVNT	3-DH5	2441	Ant1	-0.26	21	Pass
NVNT	3-DH5	2480	Ant1	-0.87	21	Pass



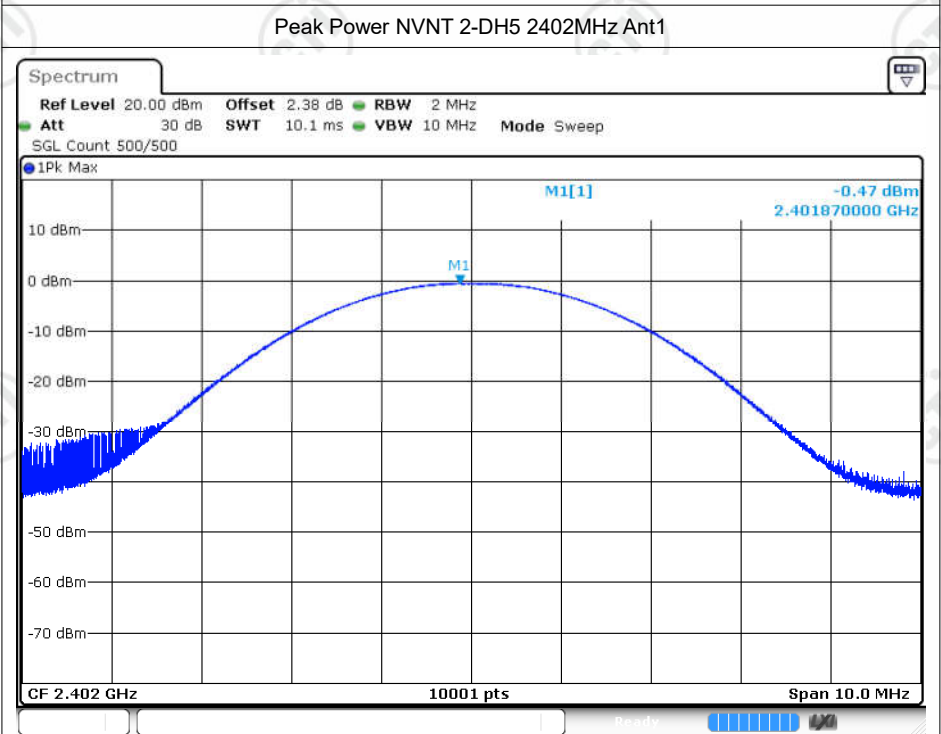
Date: 2.APR.2025 21:44:28



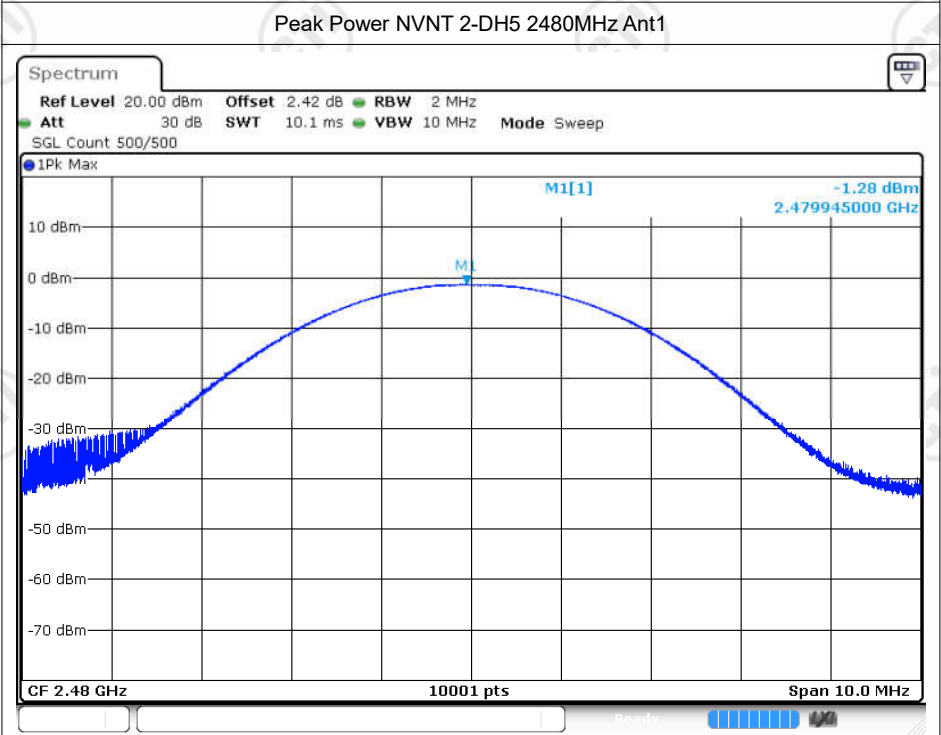
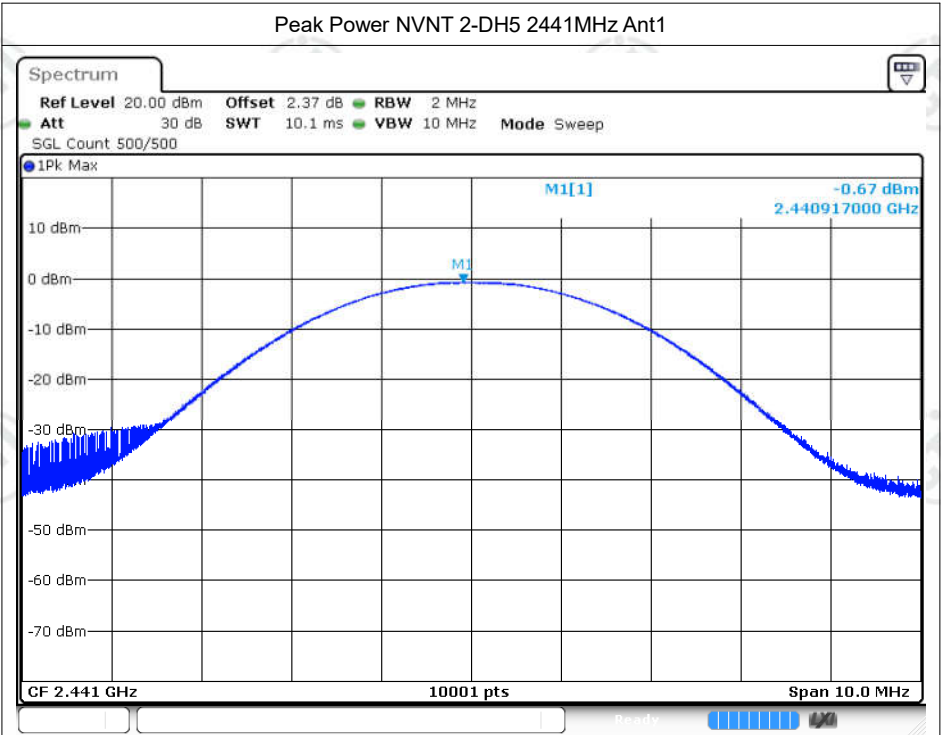
Date: 2.APR.2025 21:46:59

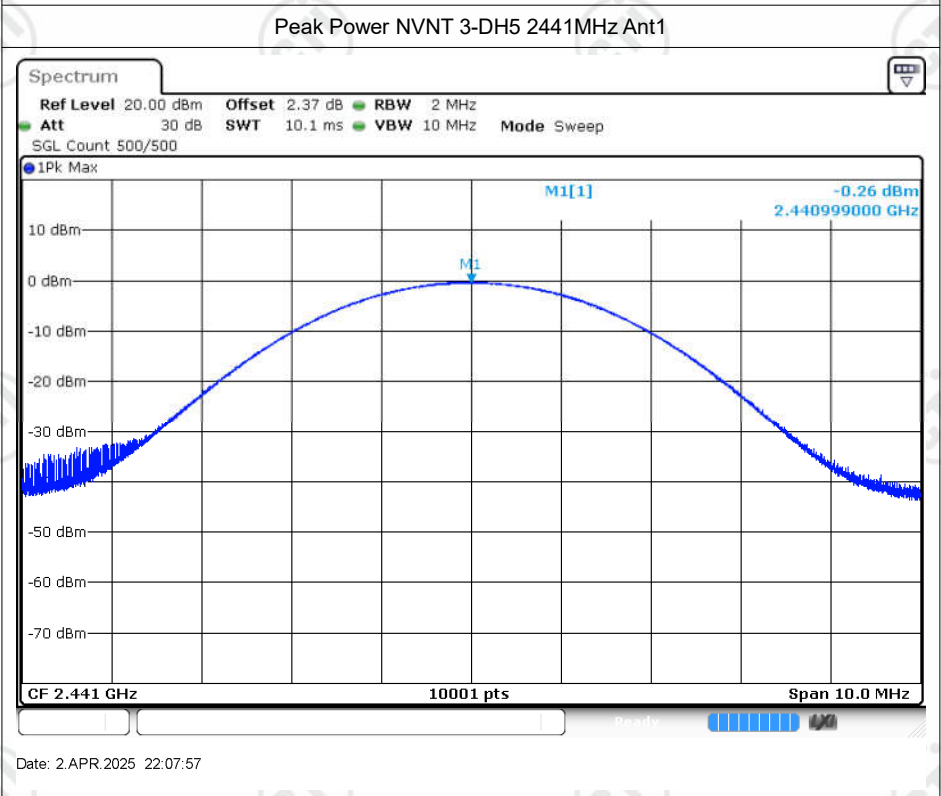
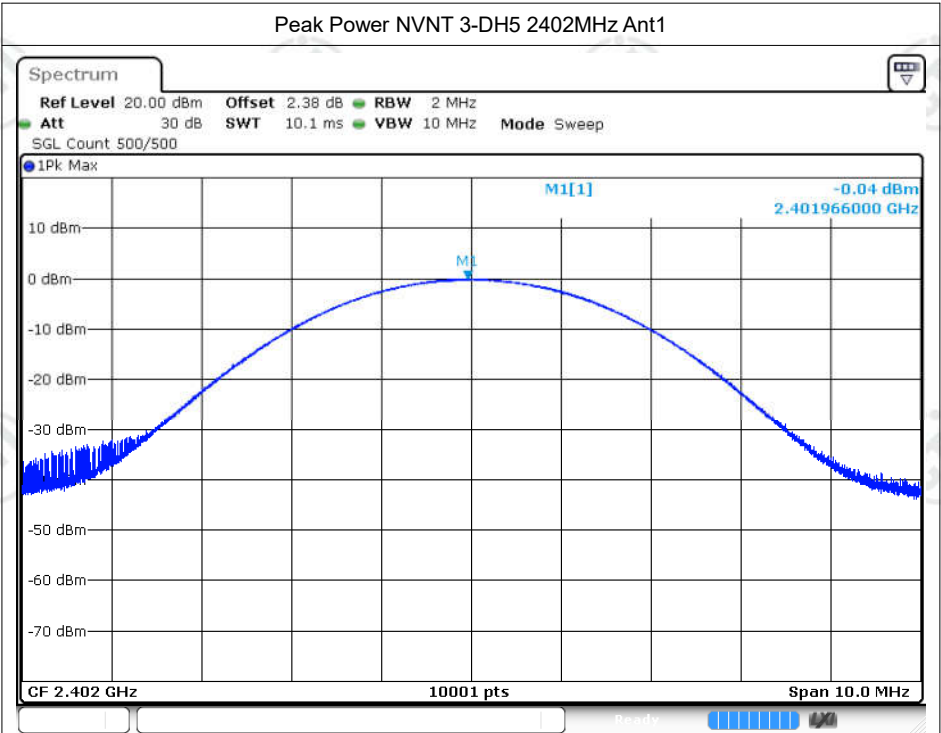


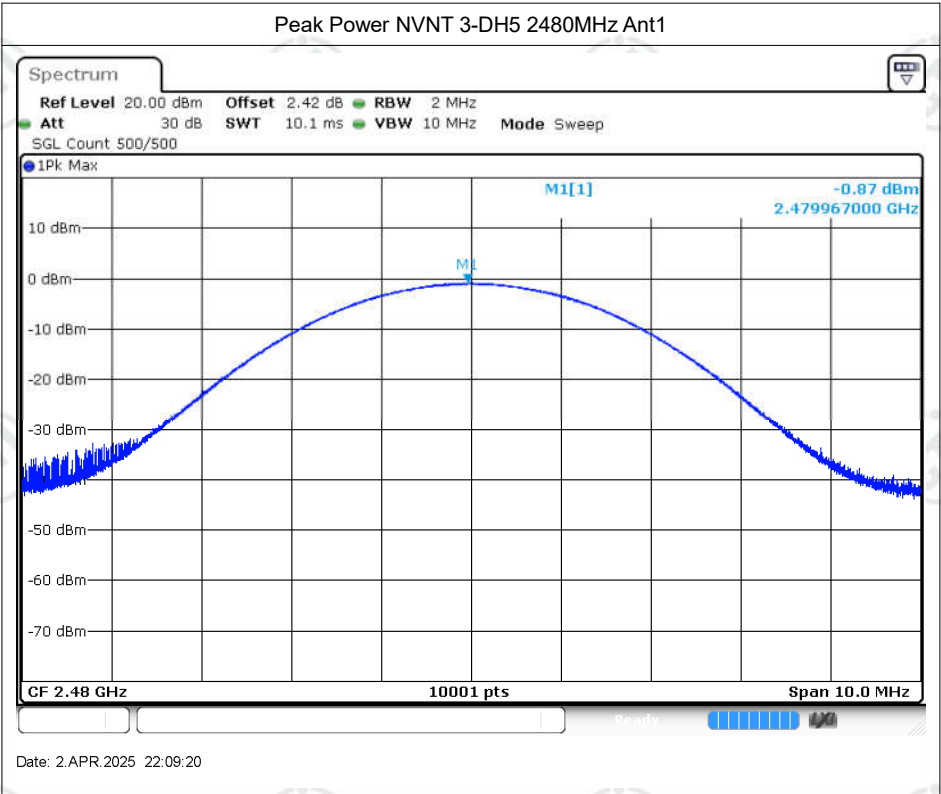
Date: 2.APR.2025 21:48:17



Date: 2.APR.2025 21:55:01

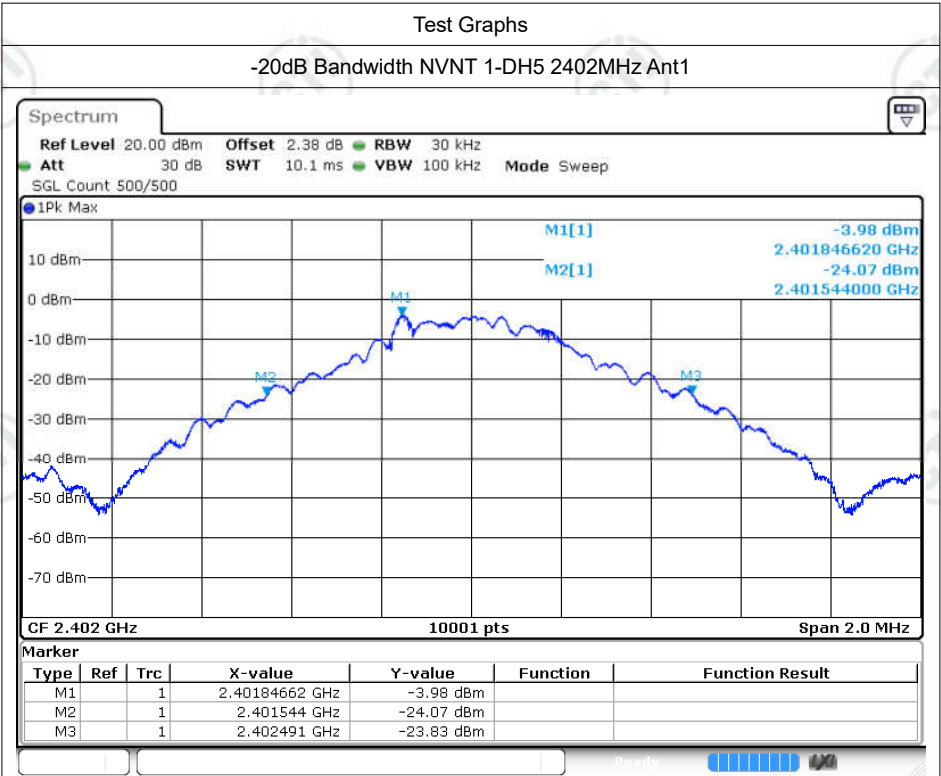




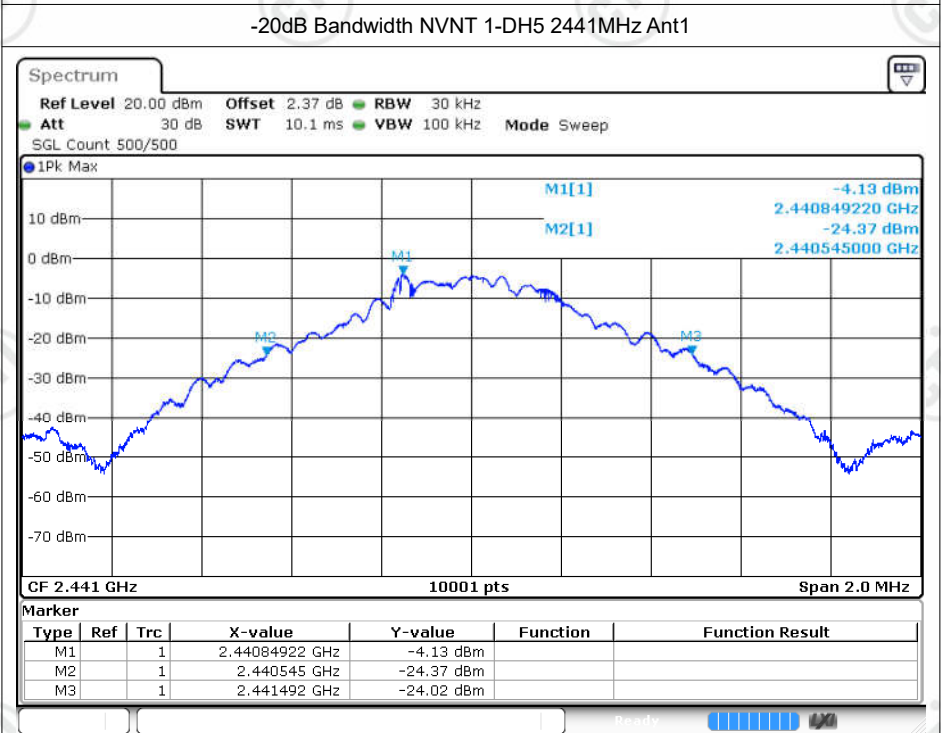


-20dB Bandwidth

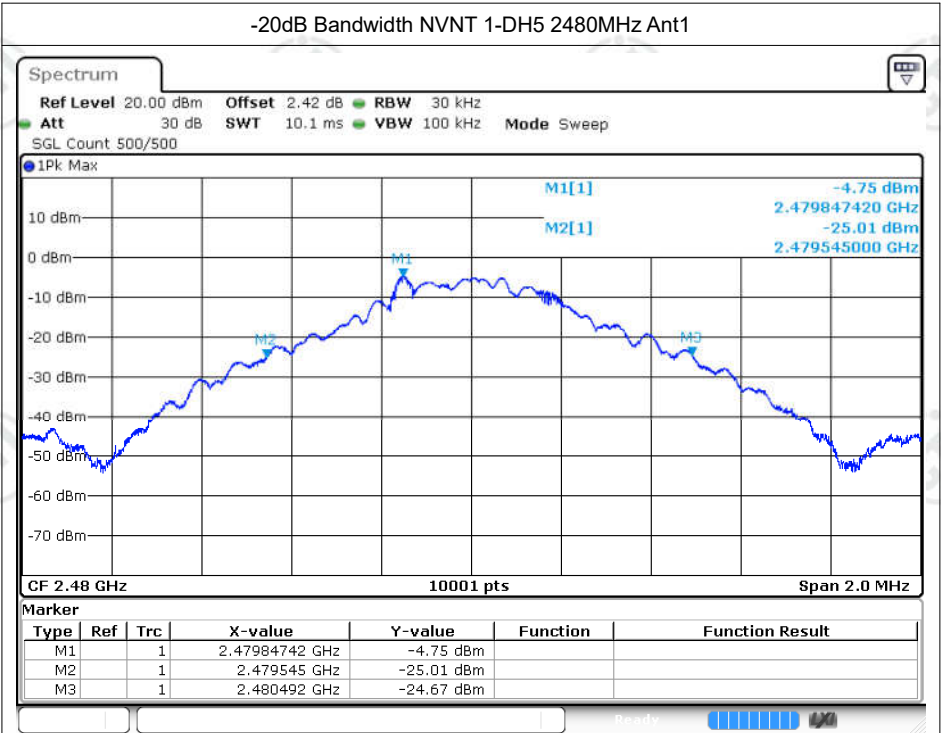
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.947	0	Pass
NVNT	1-DH5	2441	Ant1	0.947	0	Pass
NVNT	1-DH5	2480	Ant1	0.947	0	Pass
NVNT	2-DH5	2402	Ant1	1.31	0	Pass
NVNT	2-DH5	2441	Ant1	1.306	0	Pass
NVNT	2-DH5	2480	Ant1	1.305	0	Pass
NVNT	3-DH5	2402	Ant1	1.289	0	Pass
NVNT	3-DH5	2441	Ant1	1.289	0	Pass
NVNT	3-DH5	2480	Ant1	1.29	0	Pass



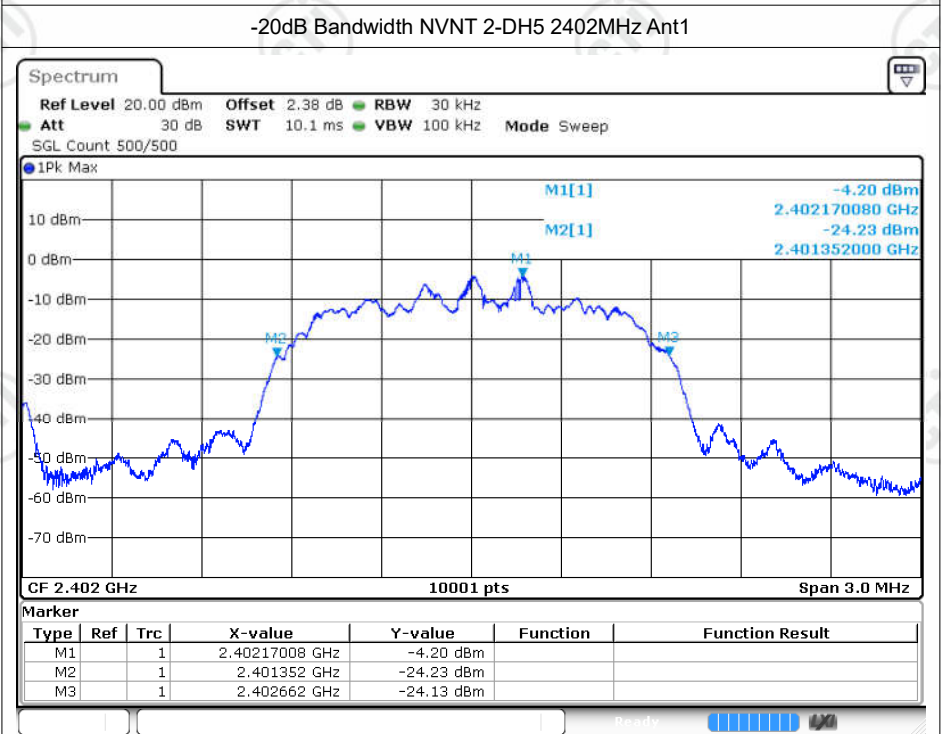
Date: 2.APR.2025 21:45:19



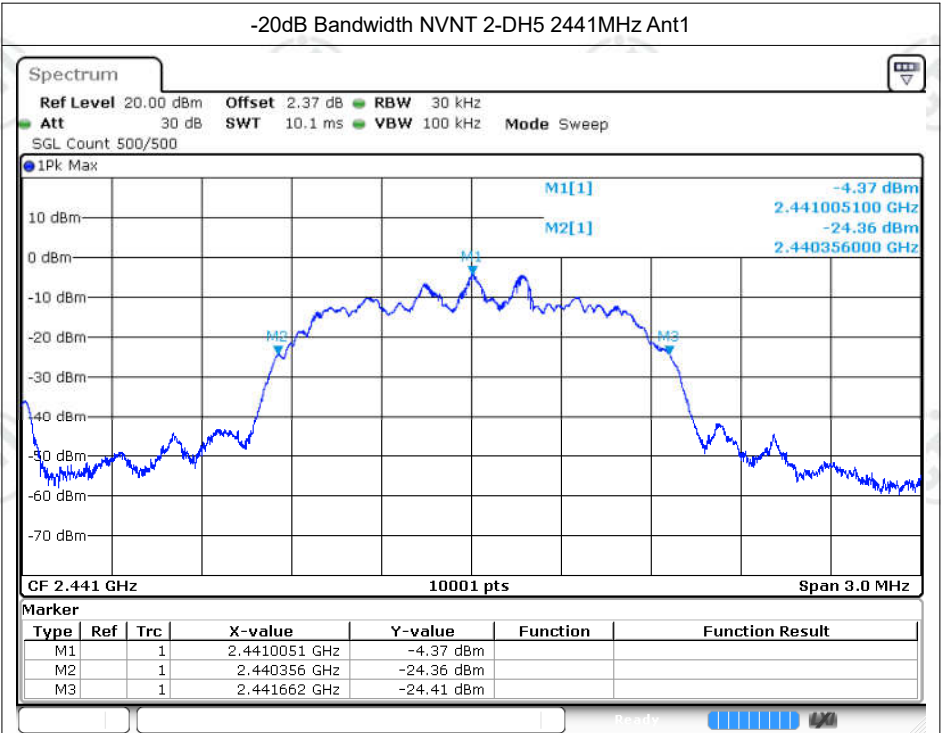
Date: 2.APR.2025 21:47:27



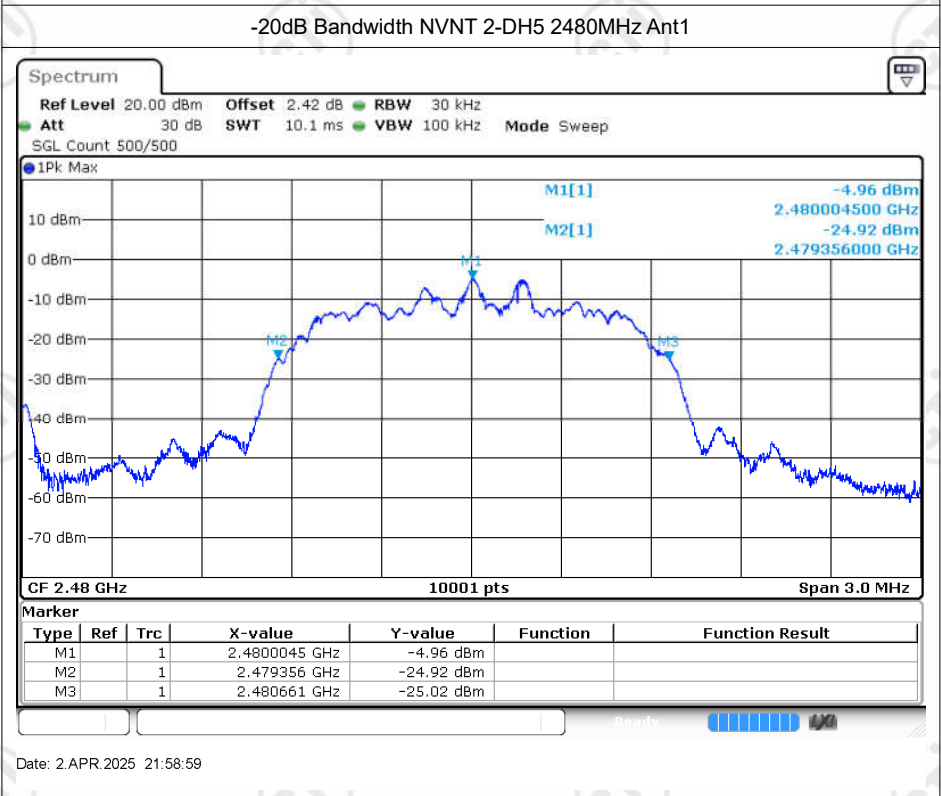
Date: 2.APR.2025 21:48:42



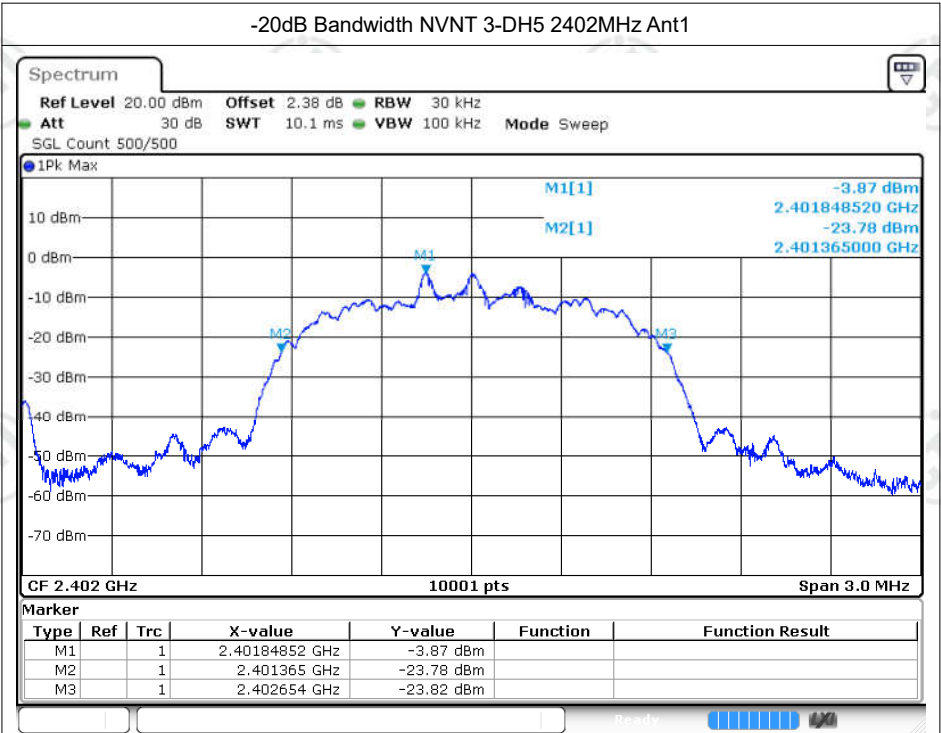
Date: 2.APR.2025 21:55:33



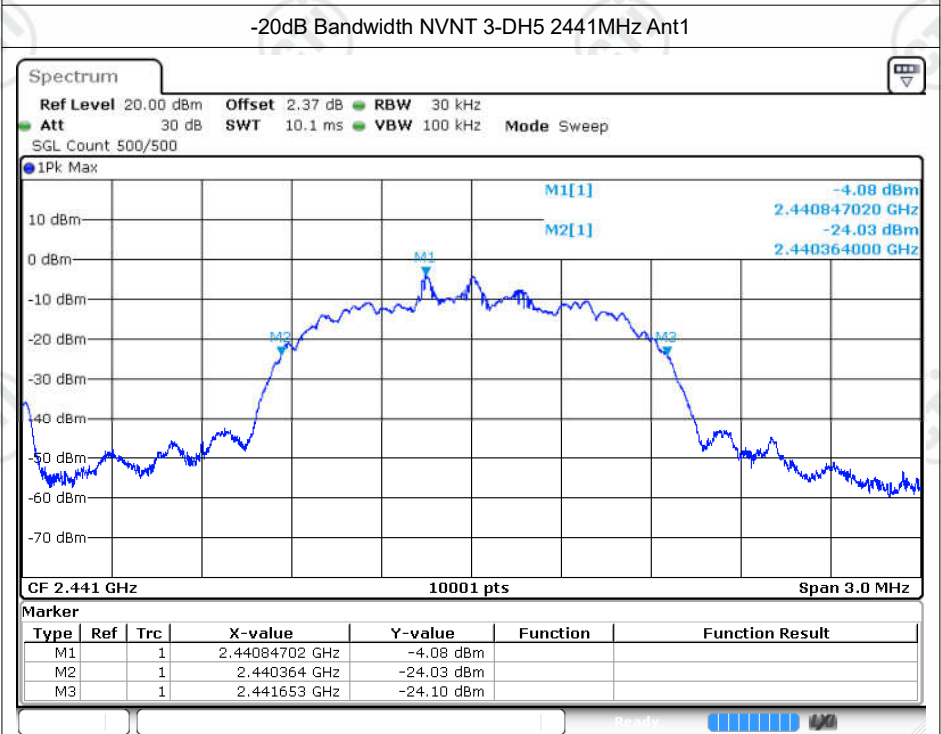
Date: 2.APR.2025 21:57:07



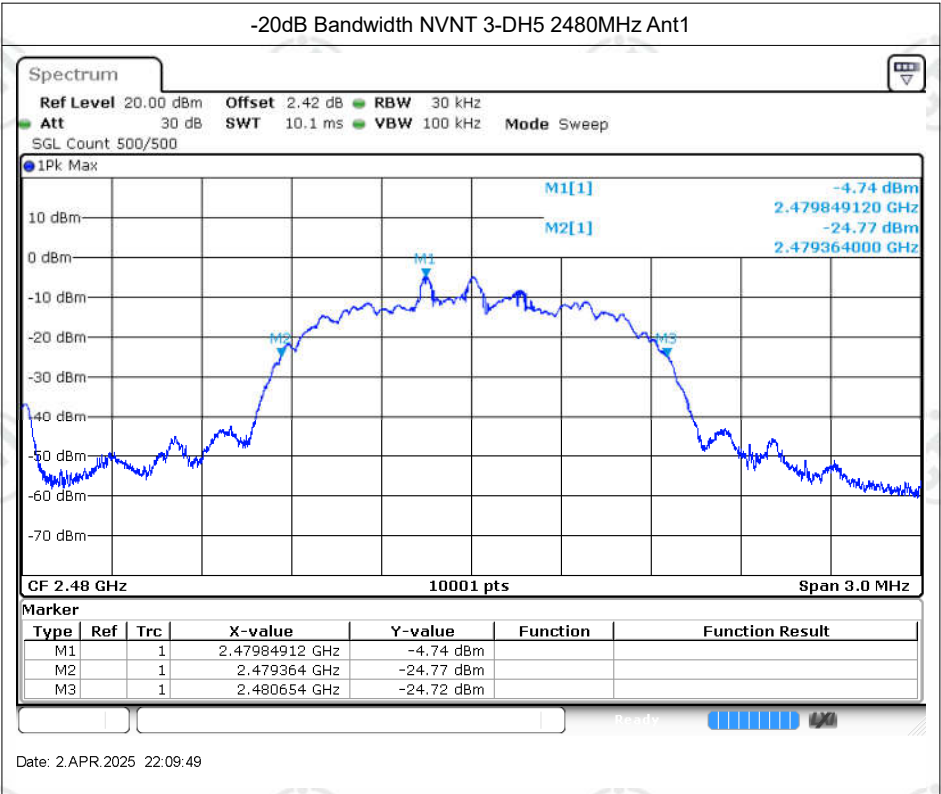
Date: 2.APR.2025 21:58:59



Date: 2.APR.2025 22:06:34

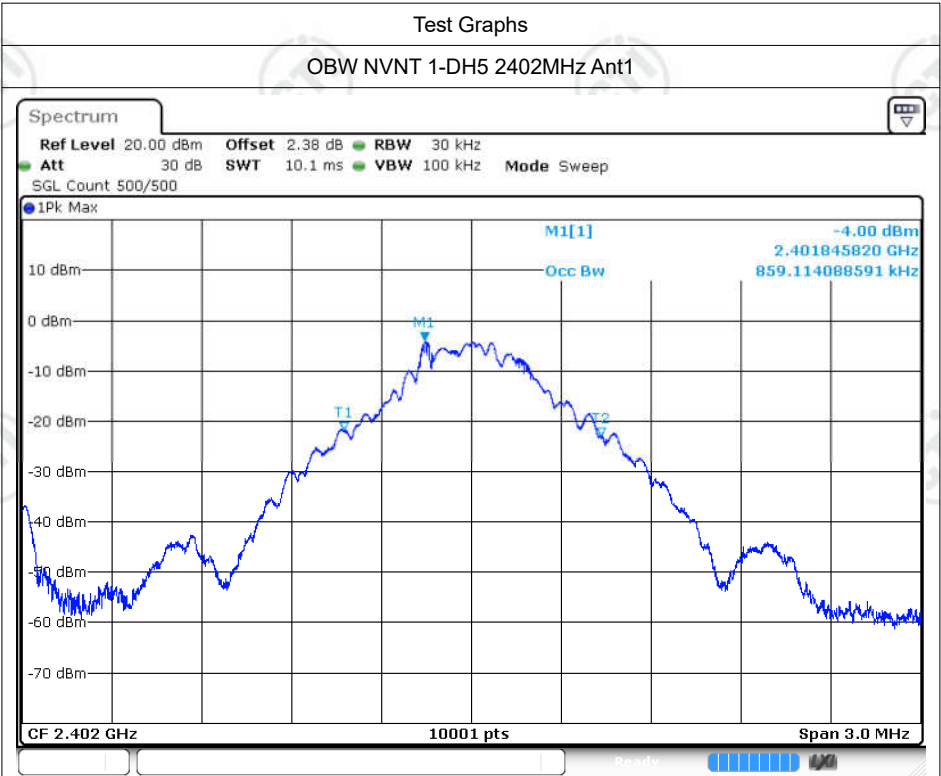


Date: 2.APR.2025 22:08:25

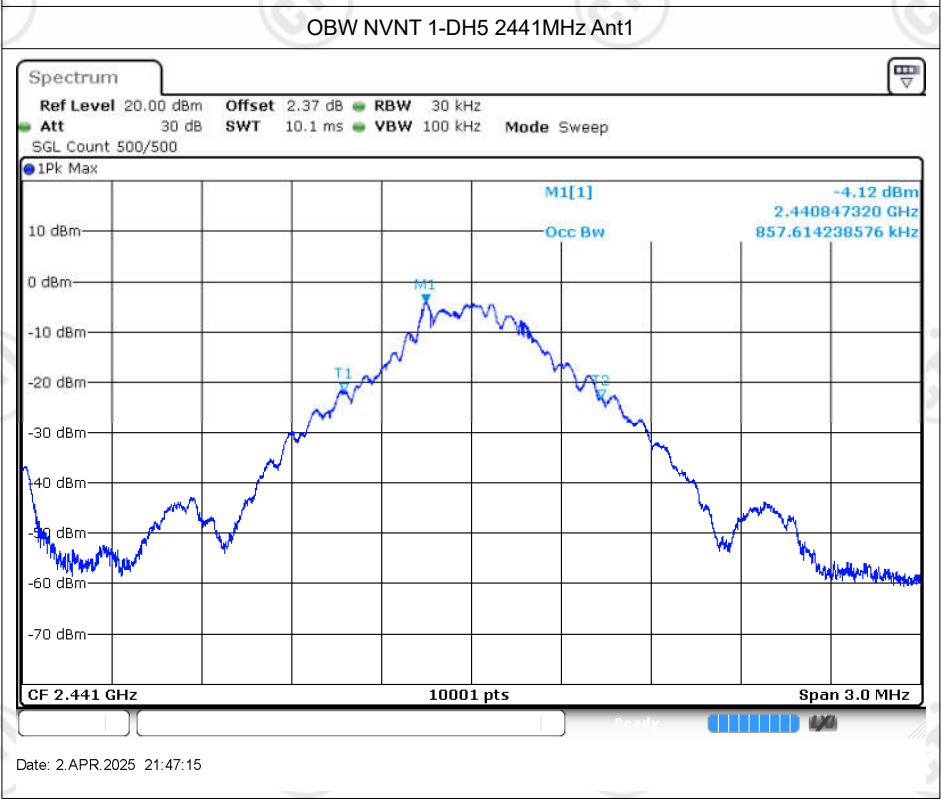


Occupied Channel Bandwidth

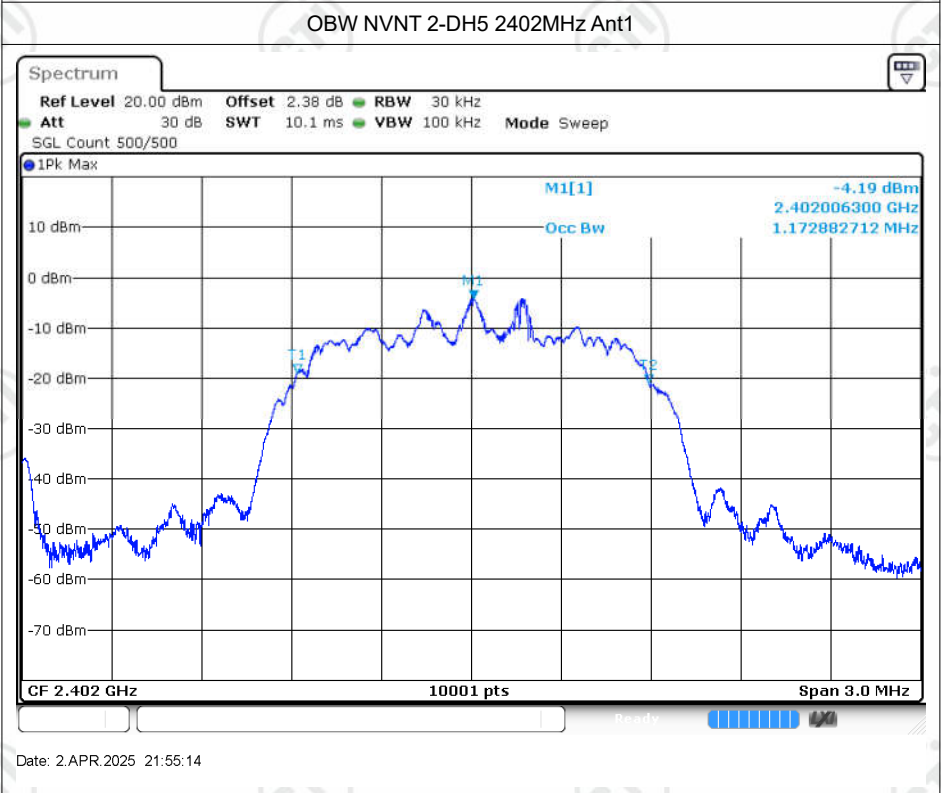
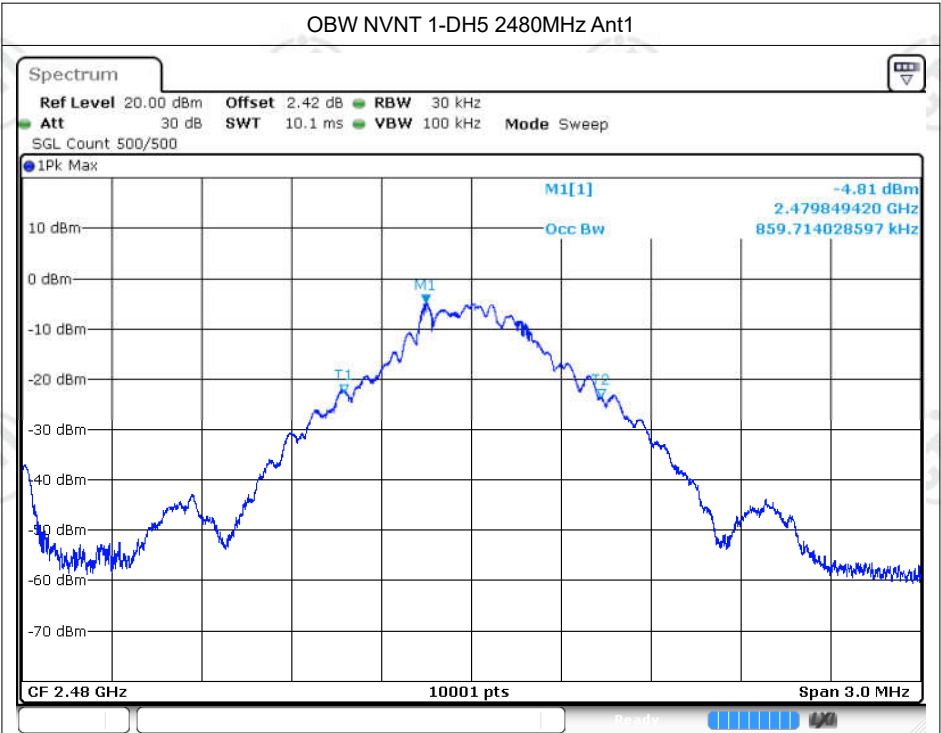
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.859
NVNT	1-DH5	2441	Ant1	0.858
NVNT	1-DH5	2480	Ant1	0.86
NVNT	2-DH5	2402	Ant1	1.173
NVNT	2-DH5	2441	Ant1	1.175
NVNT	2-DH5	2480	Ant1	1.172
NVNT	3-DH5	2402	Ant1	1.18
NVNT	3-DH5	2441	Ant1	1.18
NVNT	3-DH5	2480	Ant1	1.18

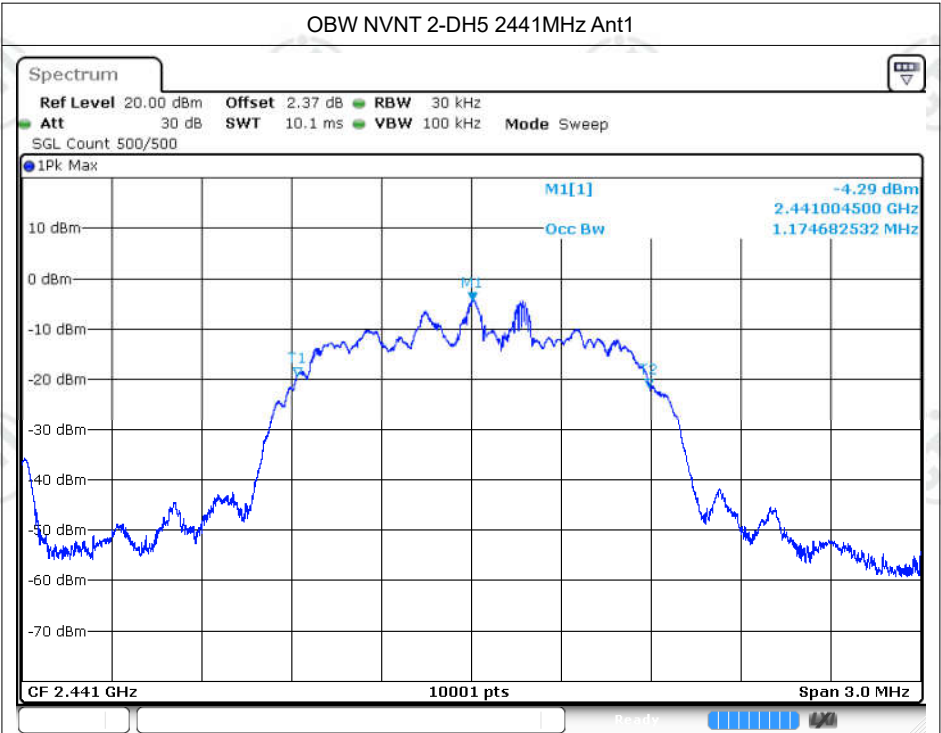


Date: 2.APR.2025 21:45:05

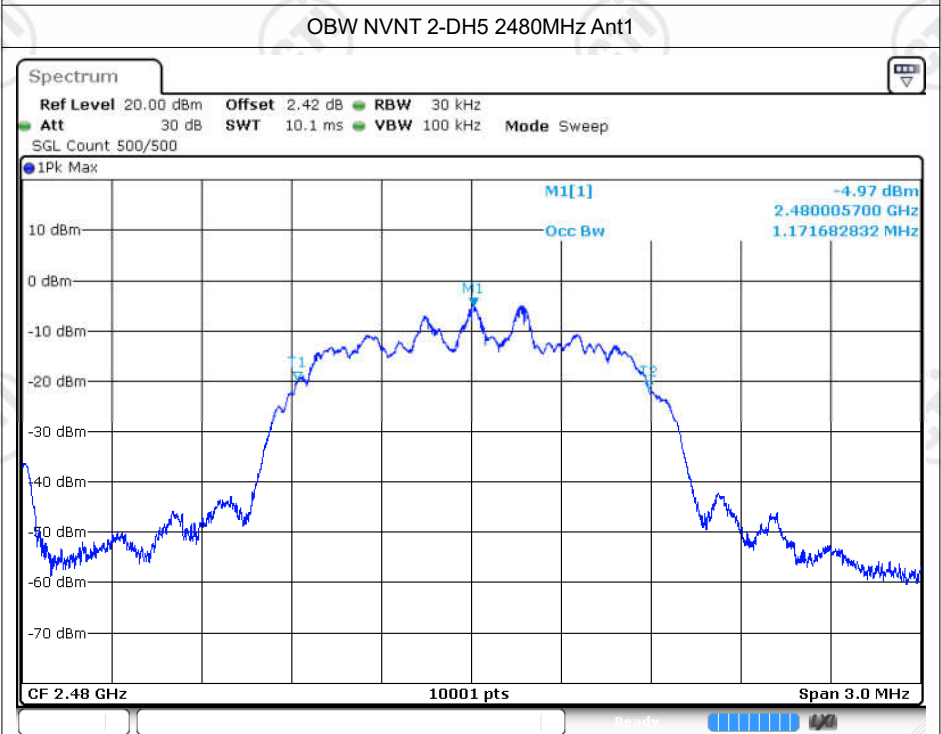


Date: 2.APR.2025 21:47:15

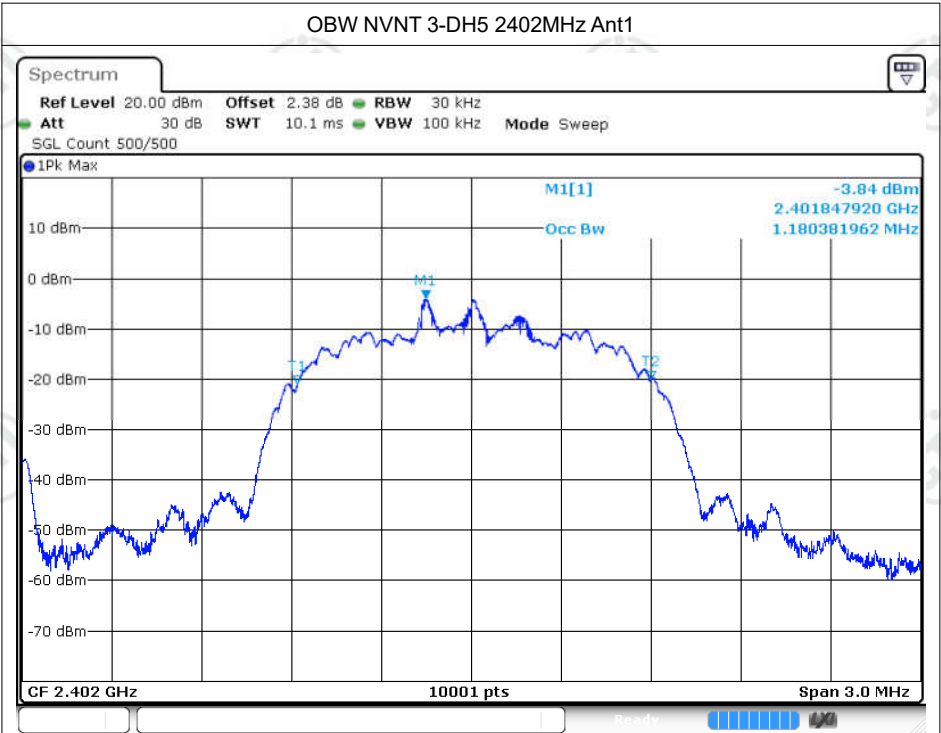




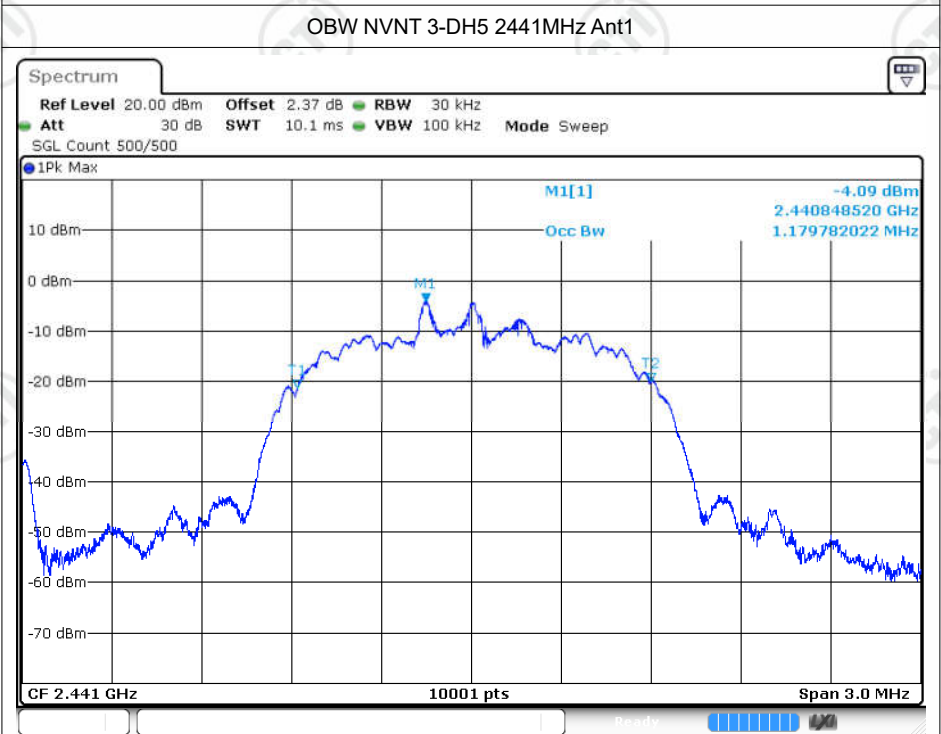
Date: 2.APR.2025 21:56:54



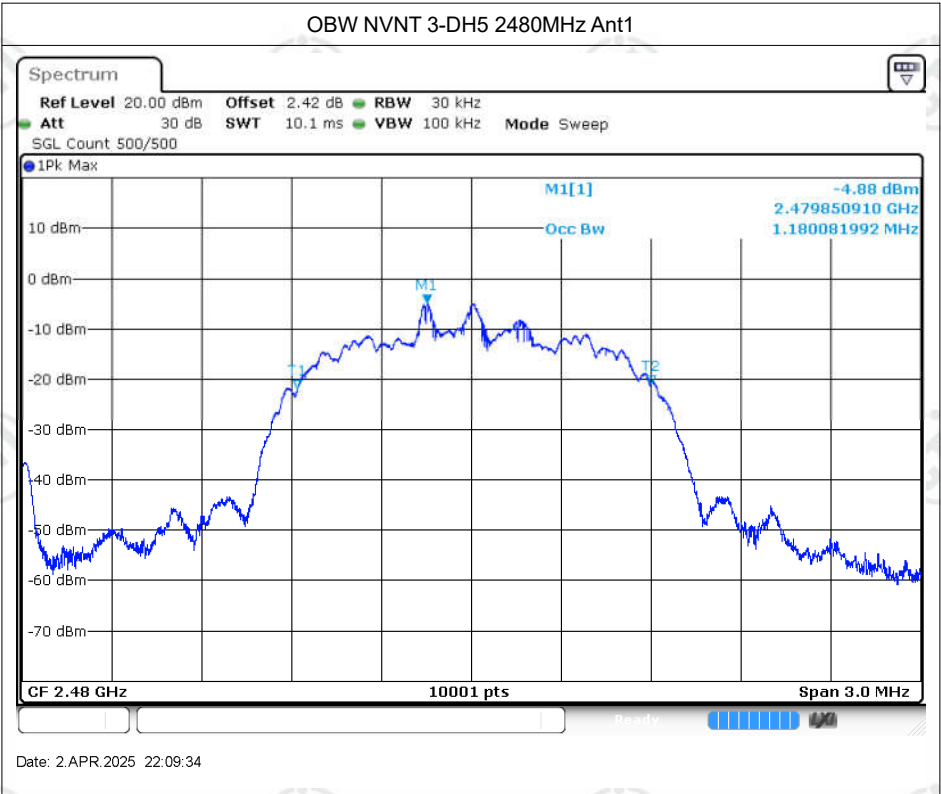
Date: 2.APR.2025 21:58:43



Date: 2.APR.2025 22:06:19

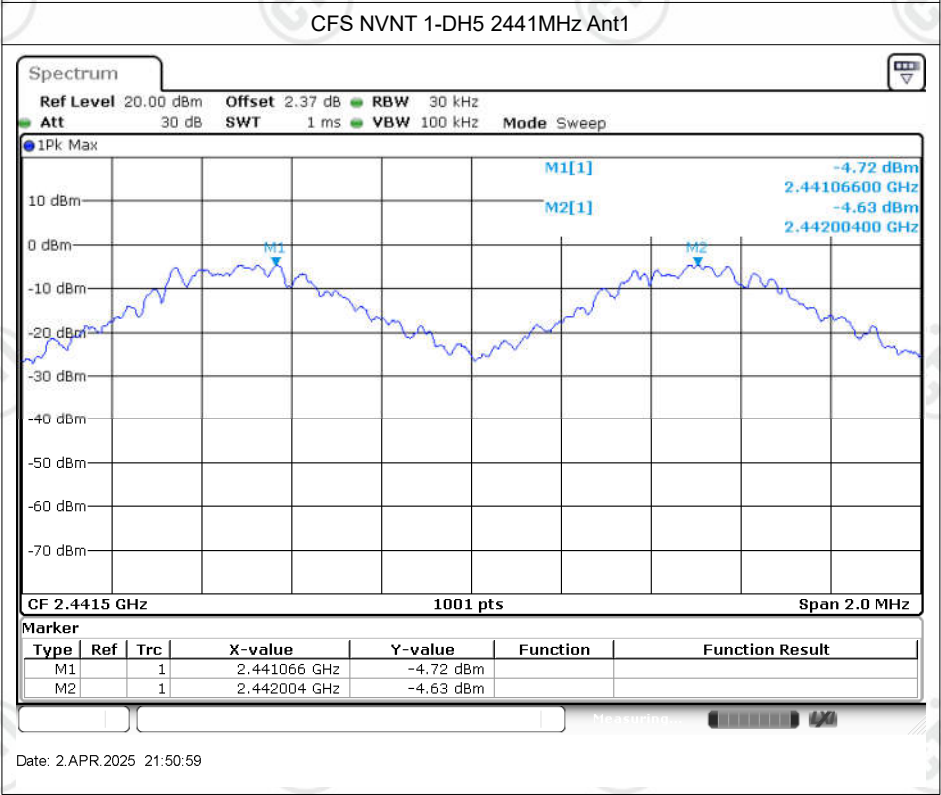
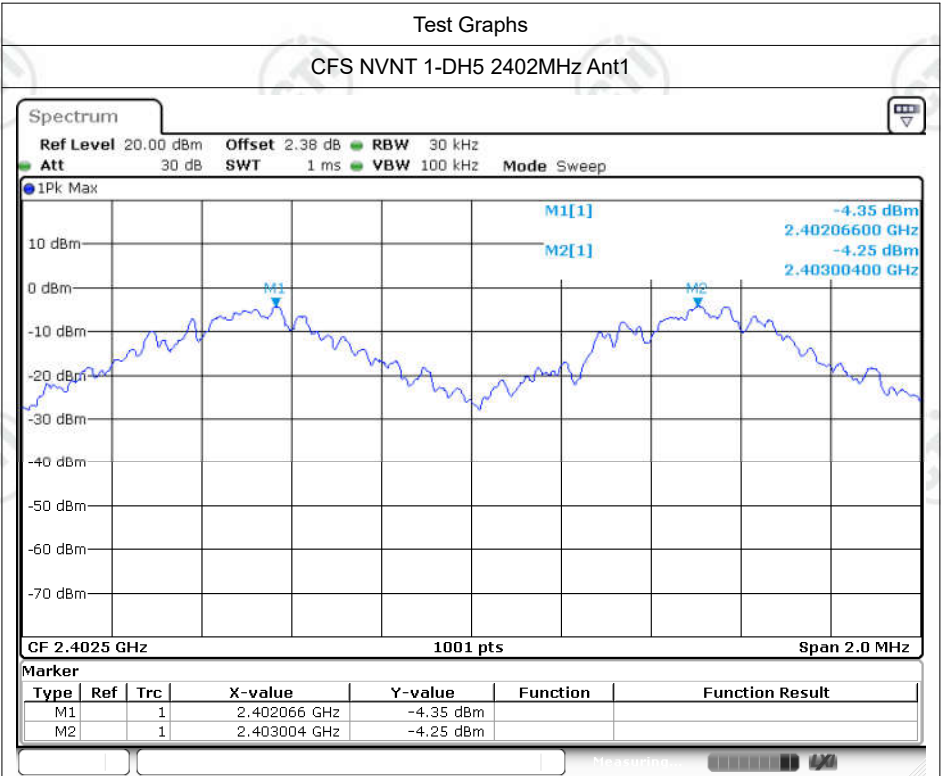


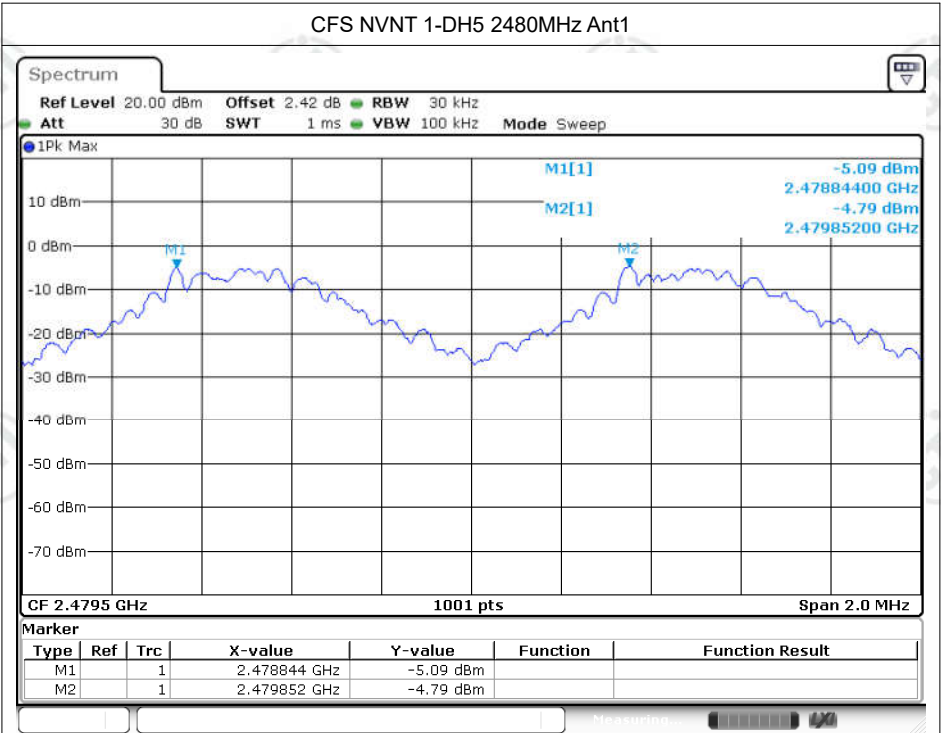
Date: 2.APR.2025 22:08:12



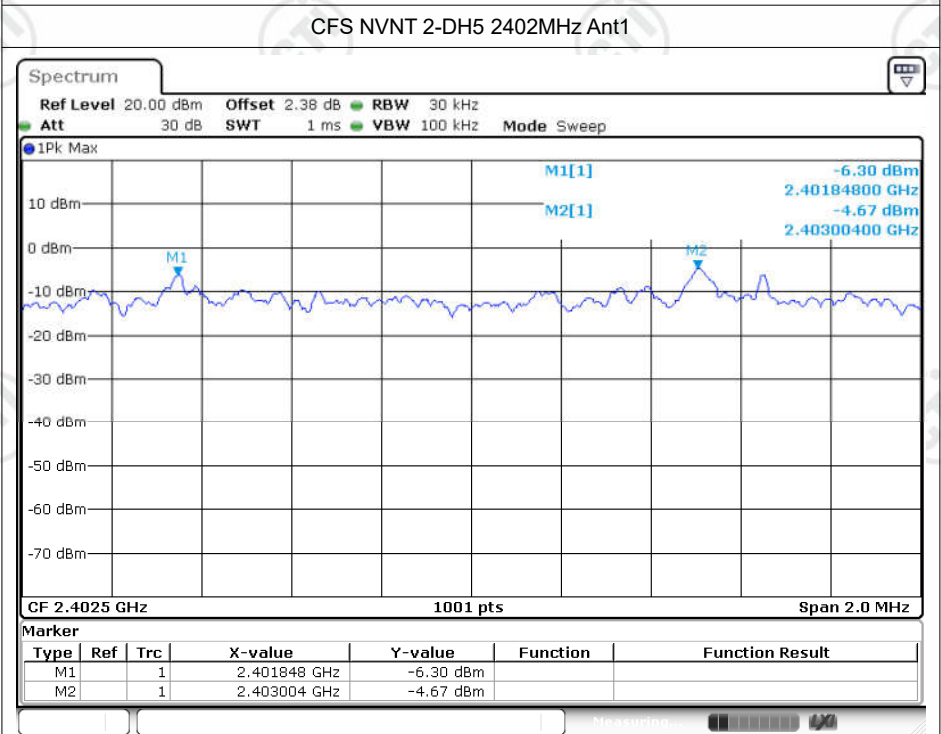
Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.066	2403.004	0.938	0.631	Pass
NVNT	1-DH5	Ant1	2441.066	2442.004	0.938	0.631	Pass
NVNT	1-DH5	Ant1	2478.844	2479.852	1.008	0.631	Pass
NVNT	2-DH5	Ant1	2401.848	2403.004	1.156	0.873	Pass
NVNT	2-DH5	Ant1	2441.01	2442.002	0.992	0.871	Pass
NVNT	2-DH5	Ant1	2479.01	2480.006	0.996	0.87	Pass
NVNT	3-DH5	Ant1	2401.844	2403.004	1.16	0.859	Pass
NVNT	3-DH5	Ant1	2440.844	2441.852	1.008	0.859	Pass
NVNT	3-DH5	Ant1	2478.842	2479.85	1.008	0.86	Pass

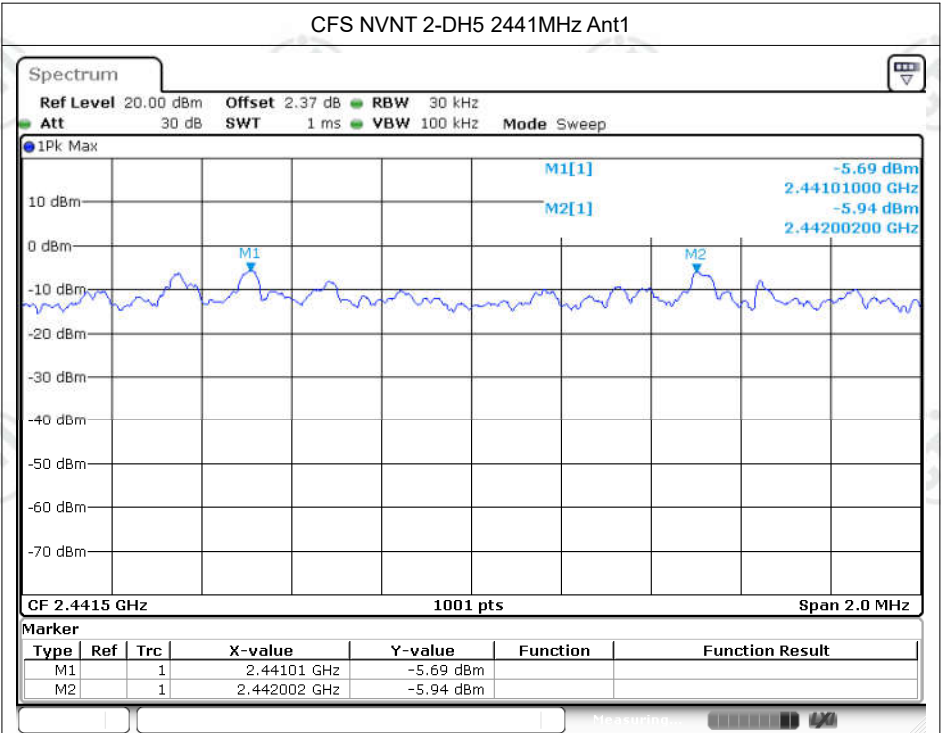




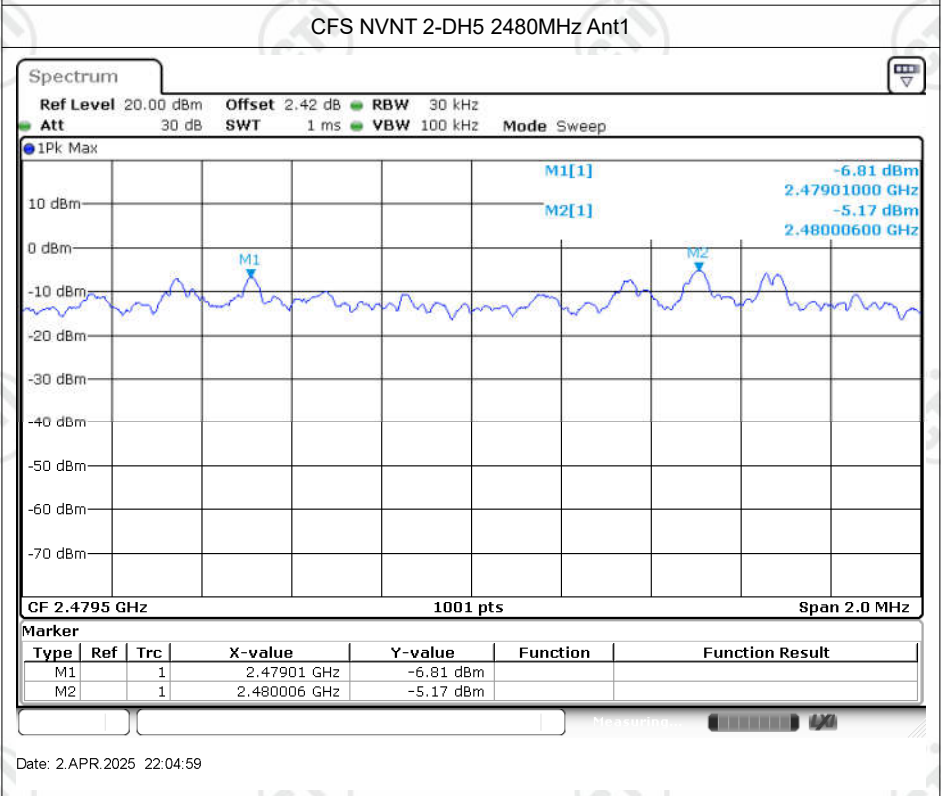
Date: 2.APR.2025 21:53:12



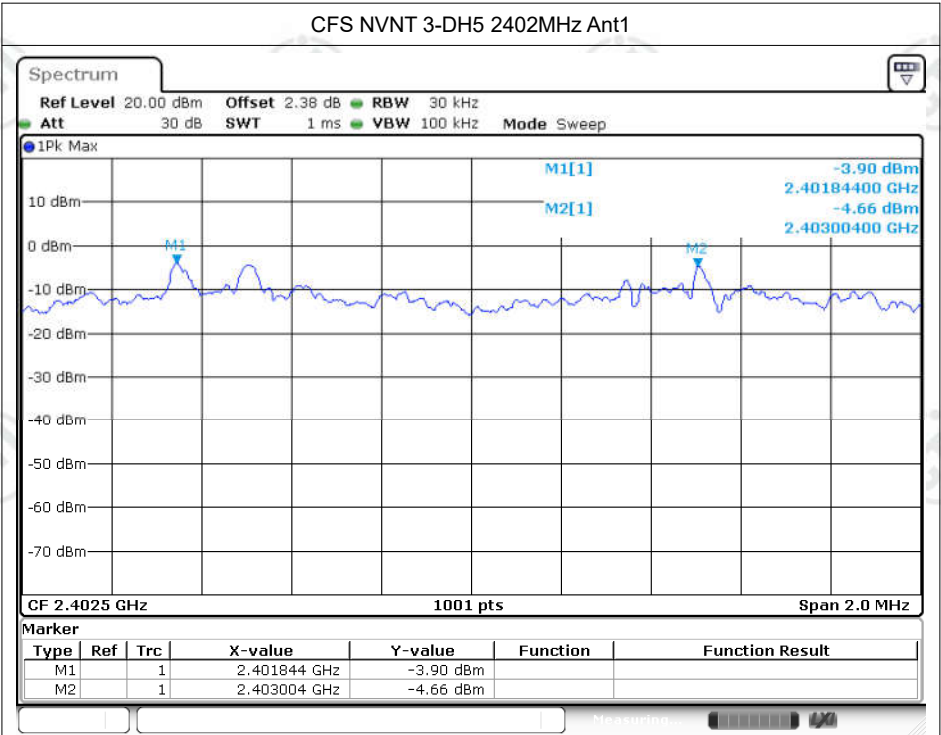
Date: 2.APR.2025 22:00:28



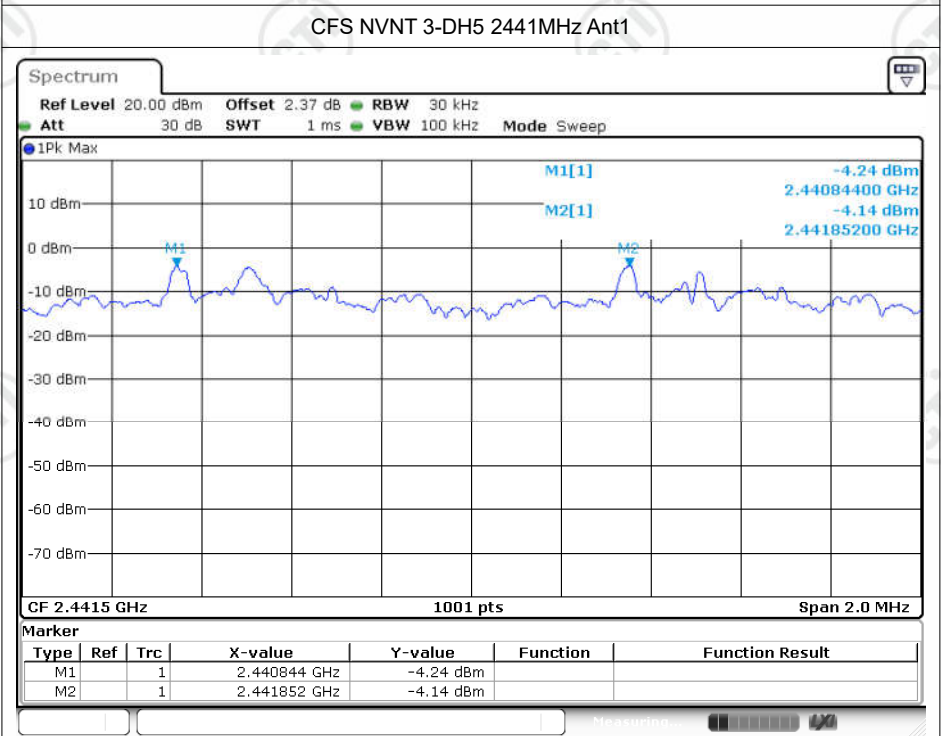
Date: 2.APR.2025 22:02:01



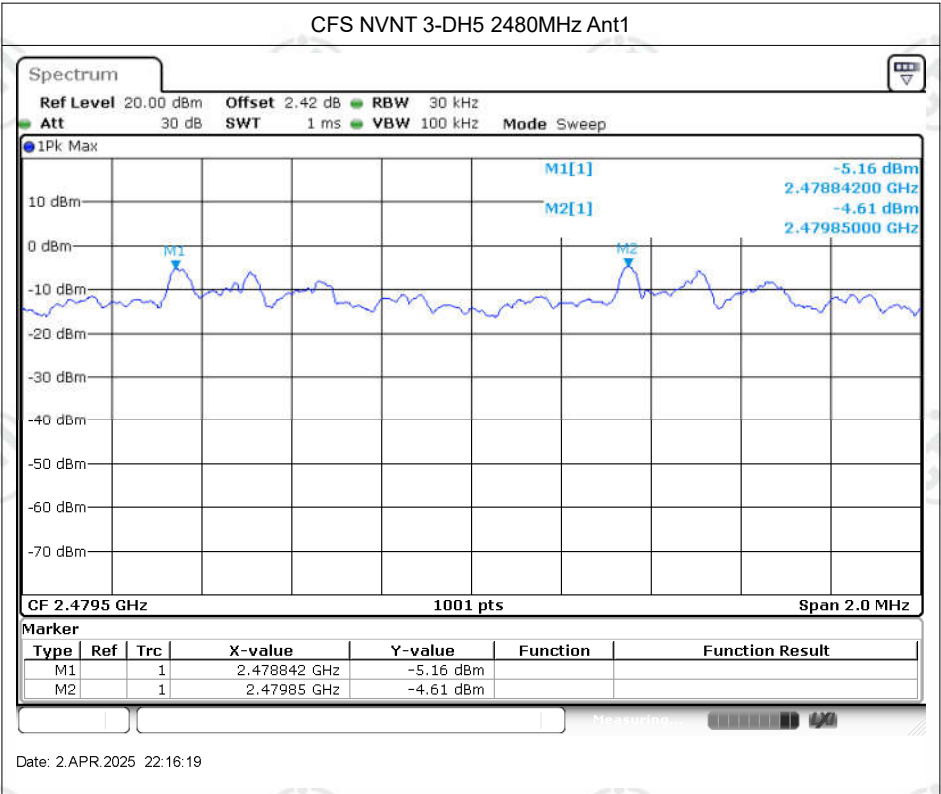
Date: 2.APR.2025 22:04:59



Date: 2.APR.2025 22:11:51

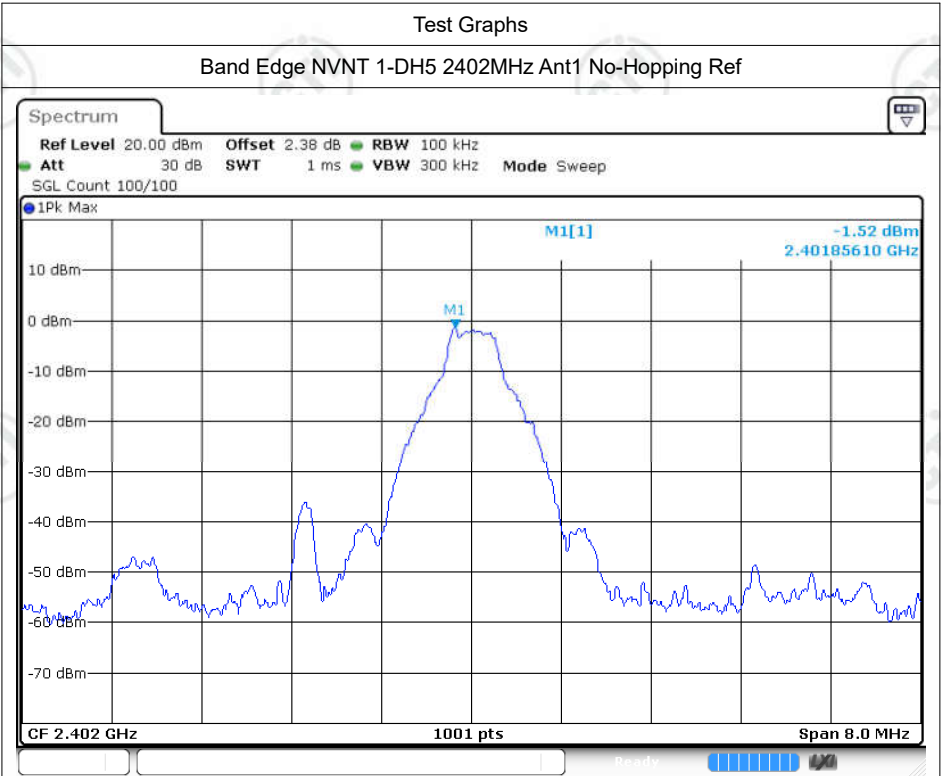


Date: 2.APR.2025 22:13:12

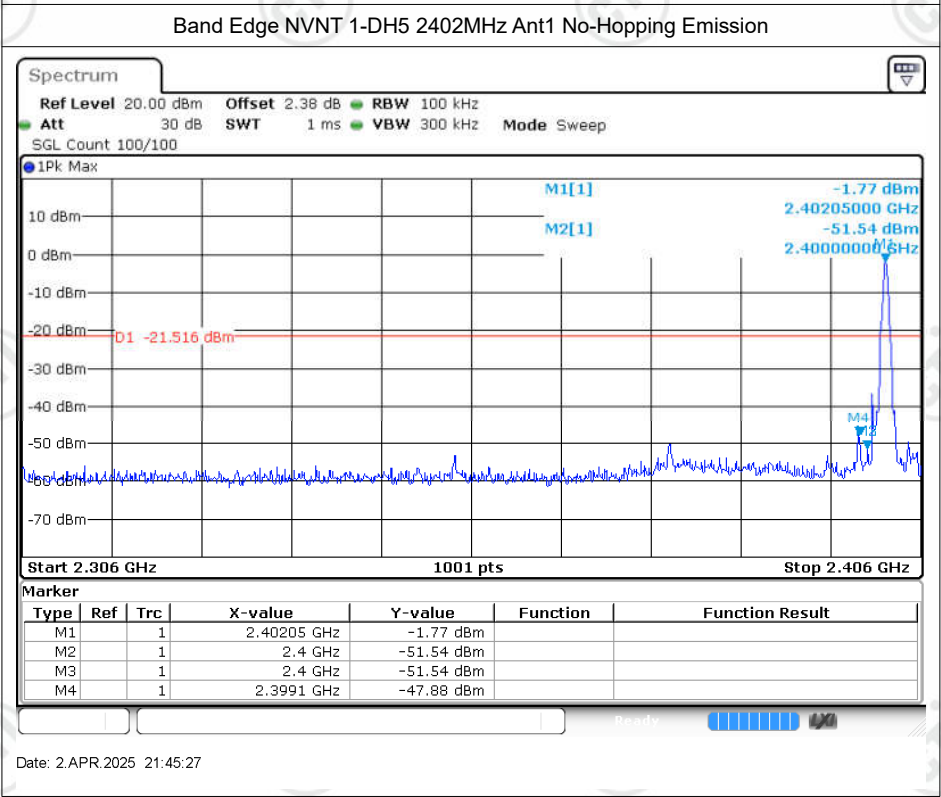


Band Edge

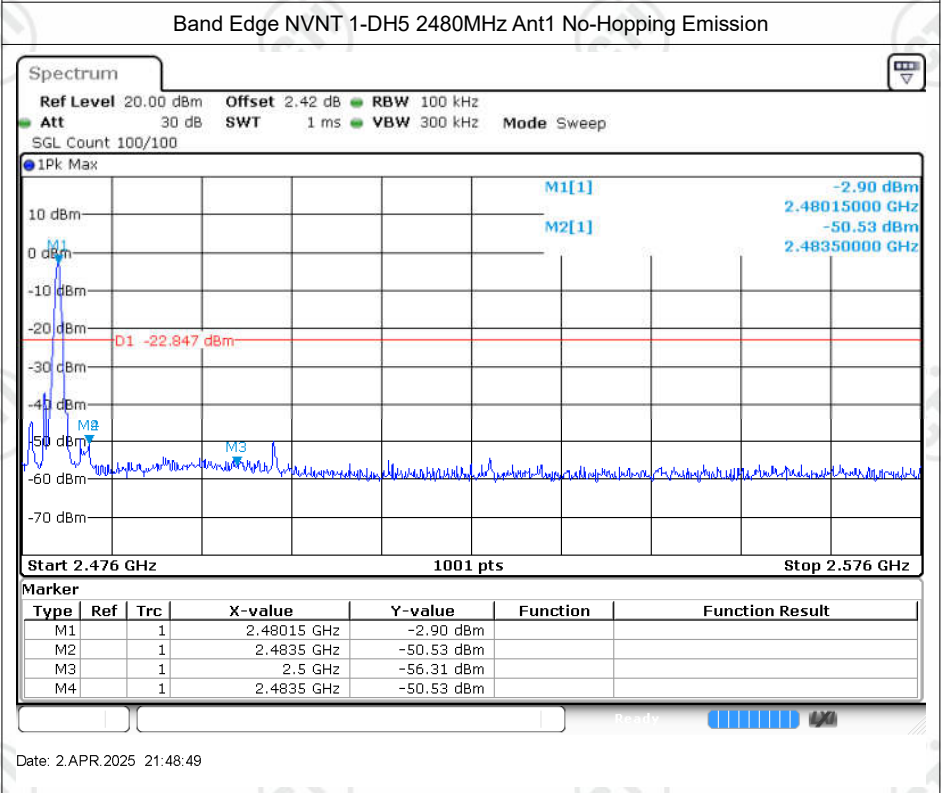
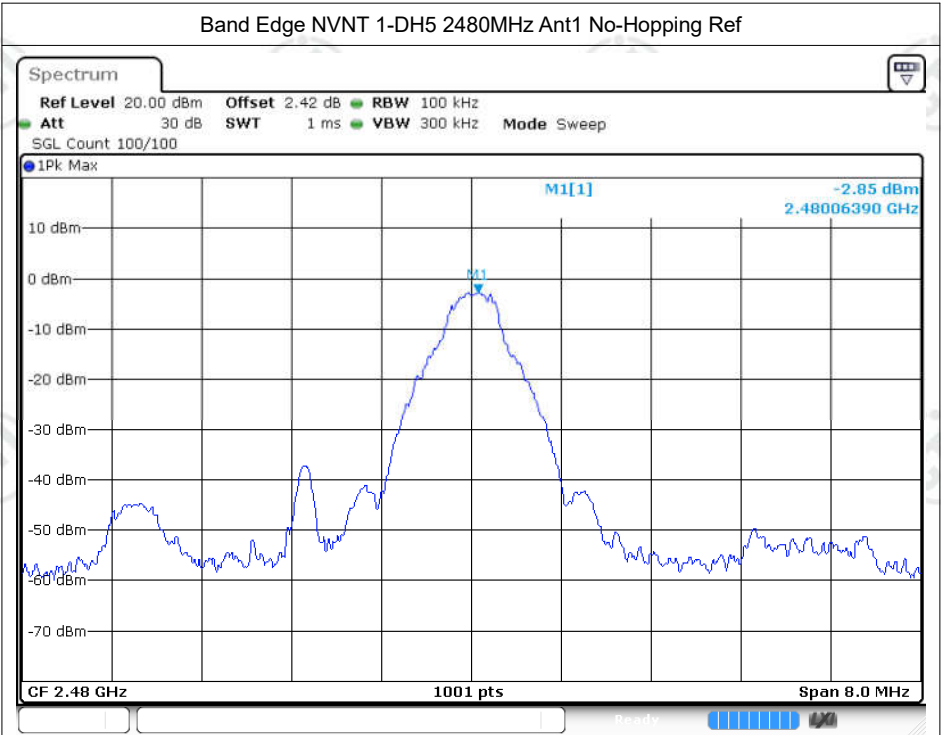
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-46.36	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-47.68	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-47.08	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-50.52	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-45.75	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-50.27	-20	Pass

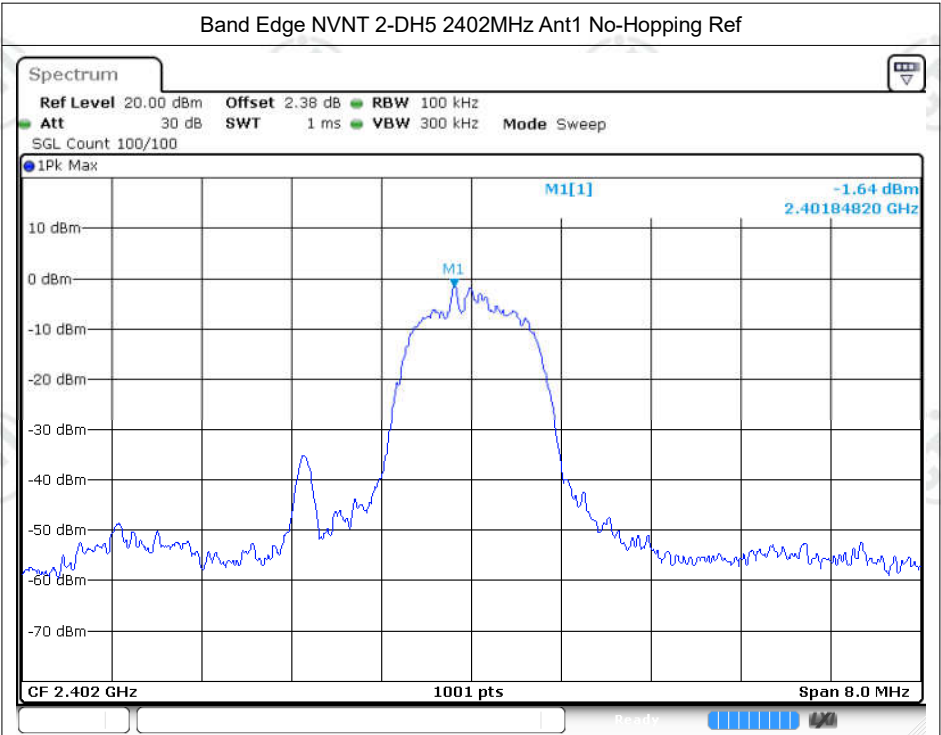


Date: 2.APR.2025 21:45:26

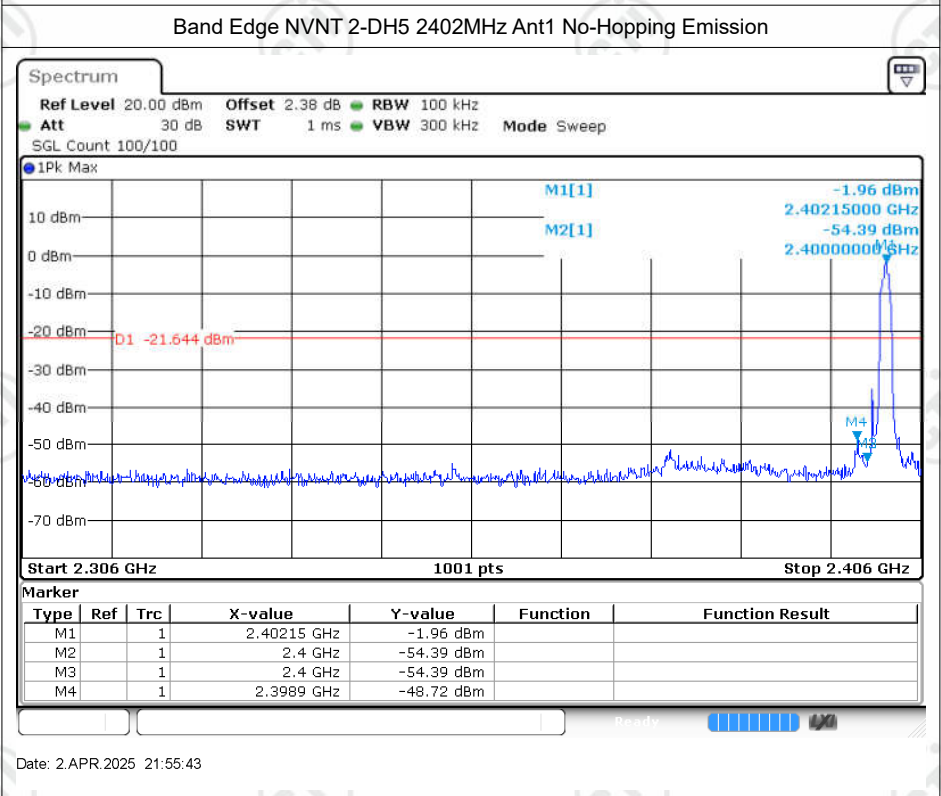


Date: 2.APR.2025 21:45:27

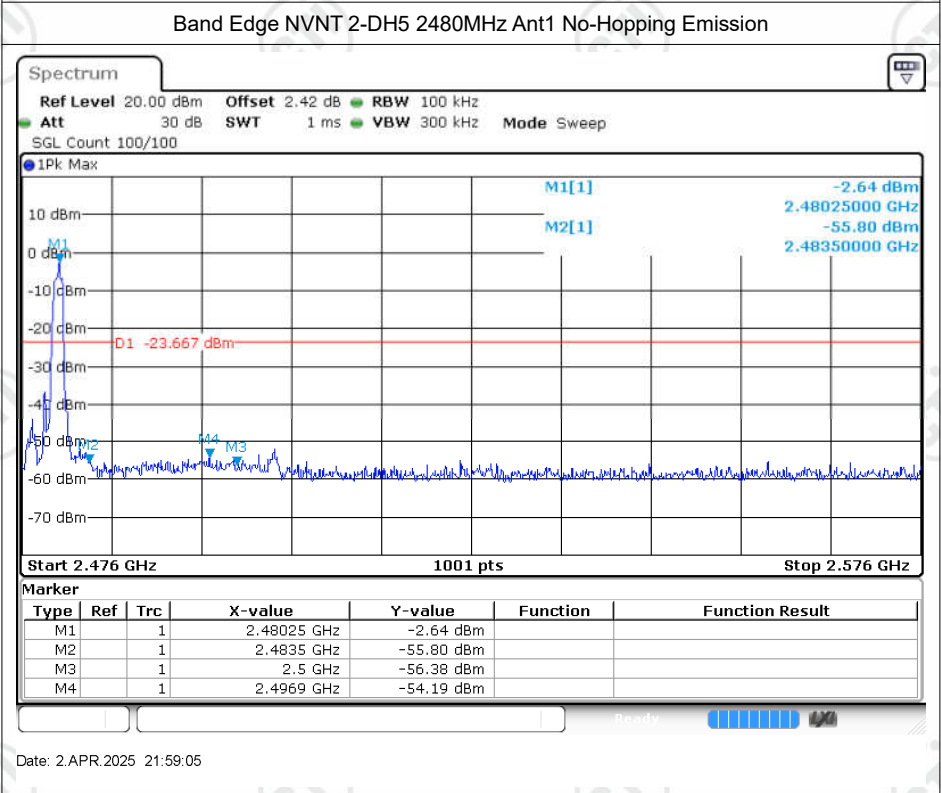
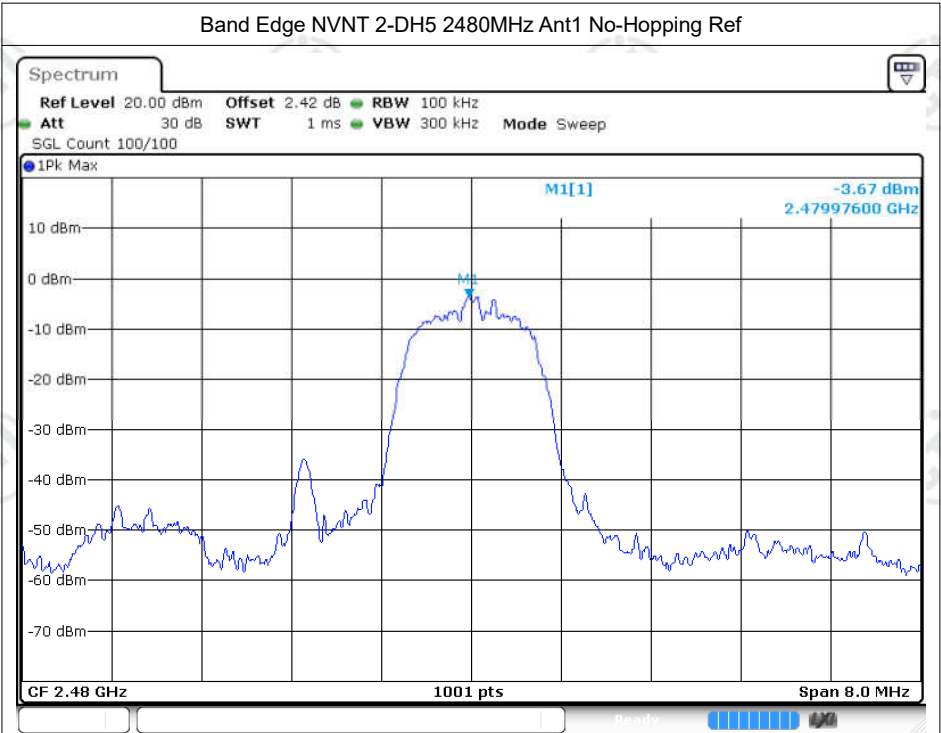


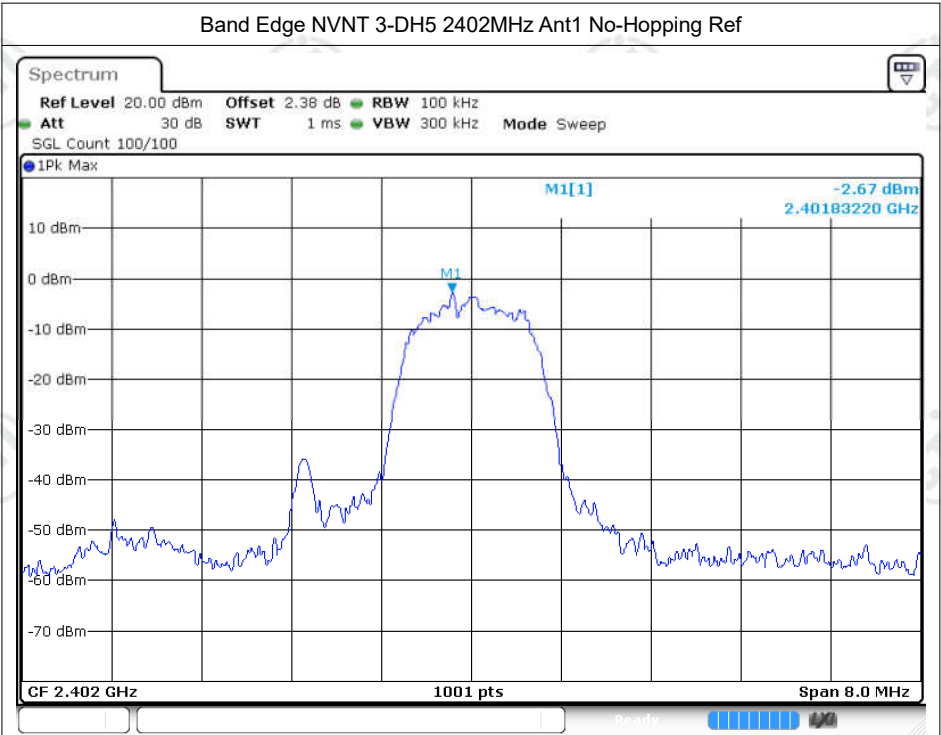


Date: 2.APR.2025 21:55:41

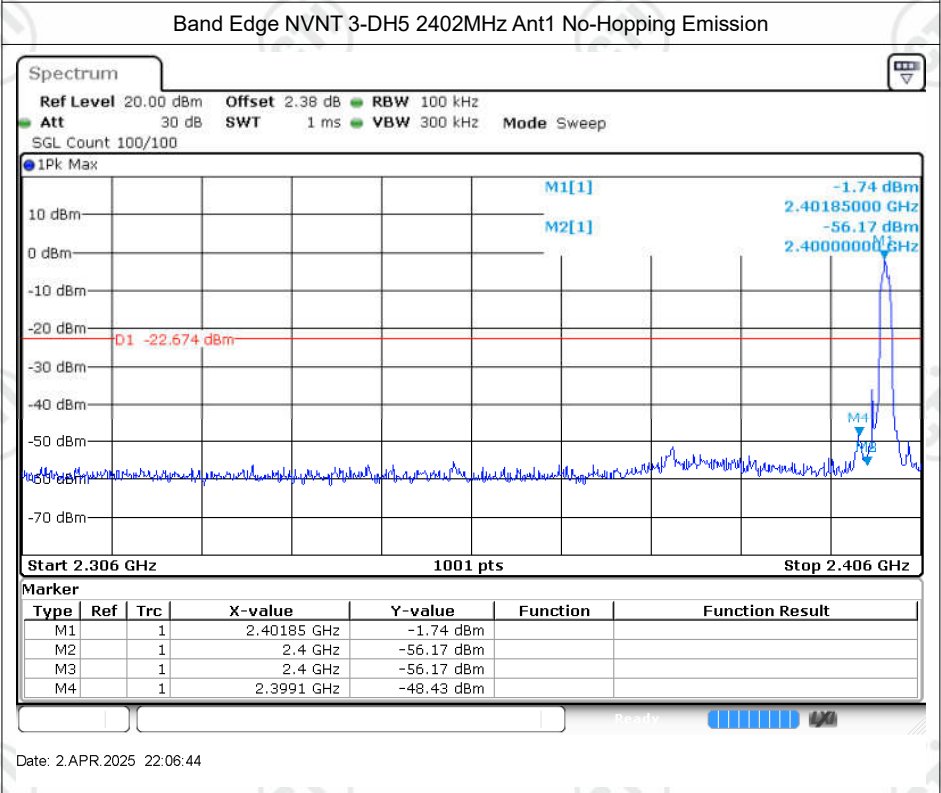


Date: 2.APR.2025 21:55:43

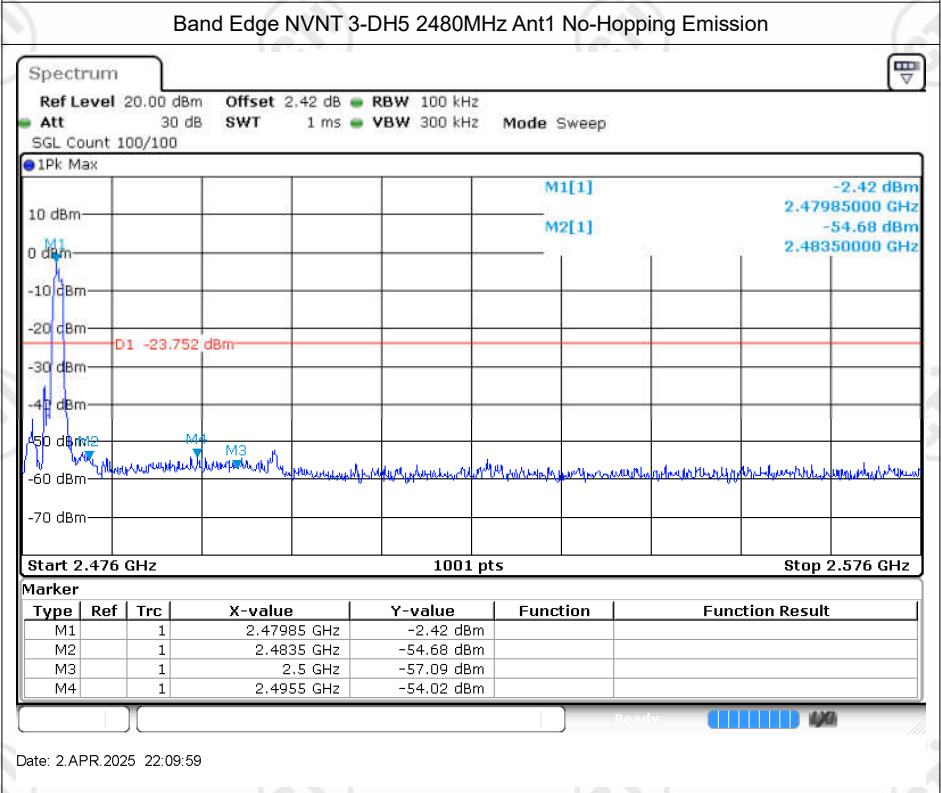
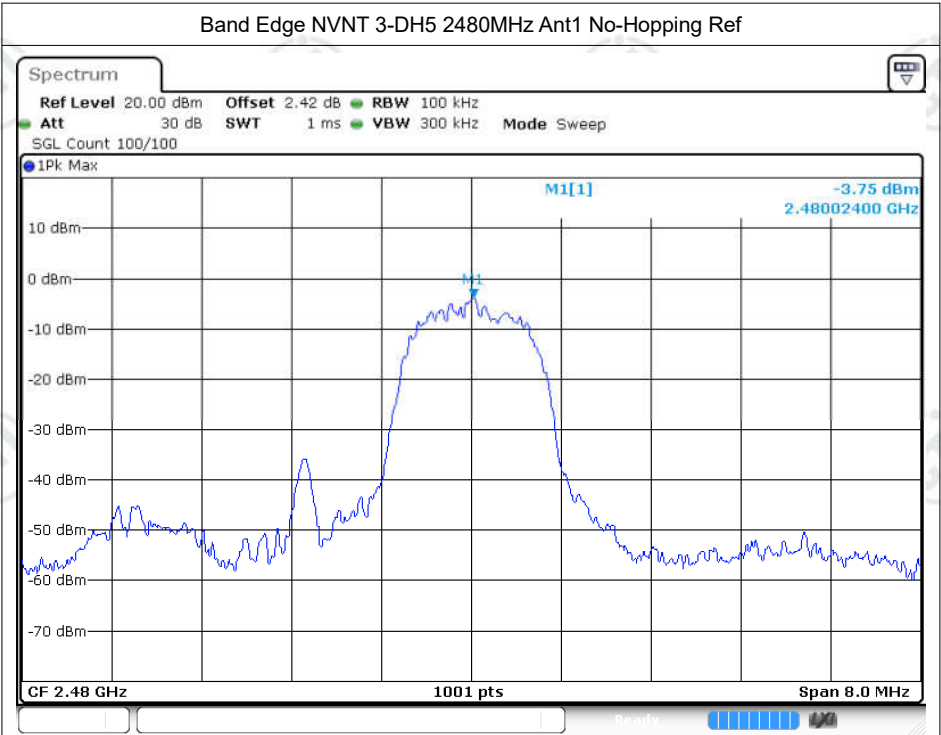




Date: 2.APR.2025 22:06:42

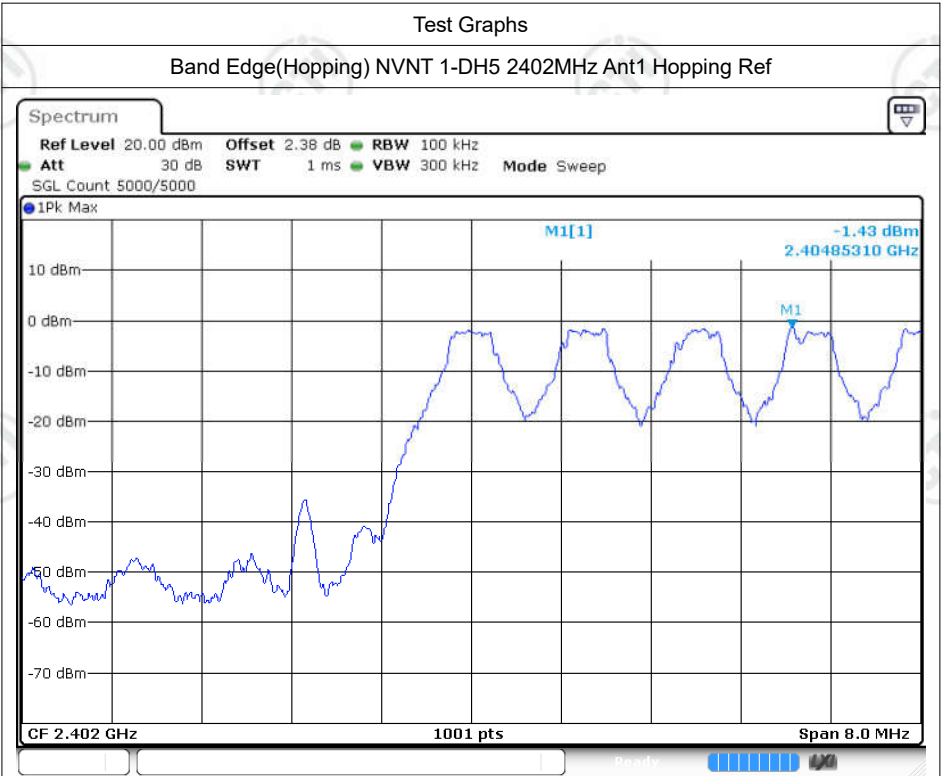


Date: 2.APR.2025 22:06:44

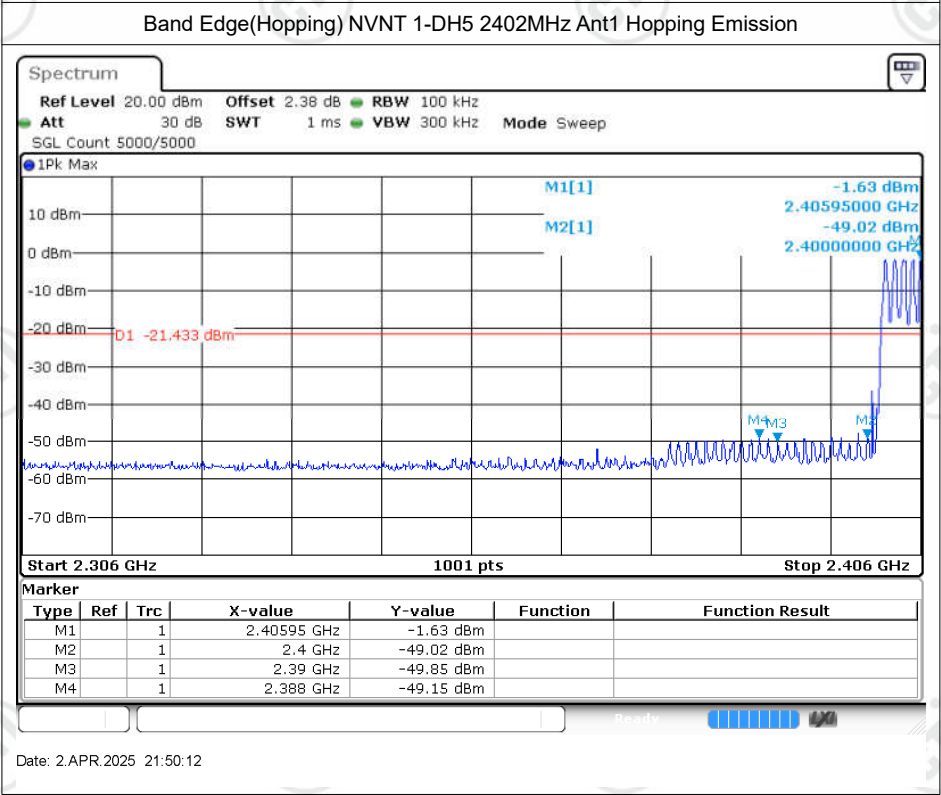


Band Edge(Hopping)

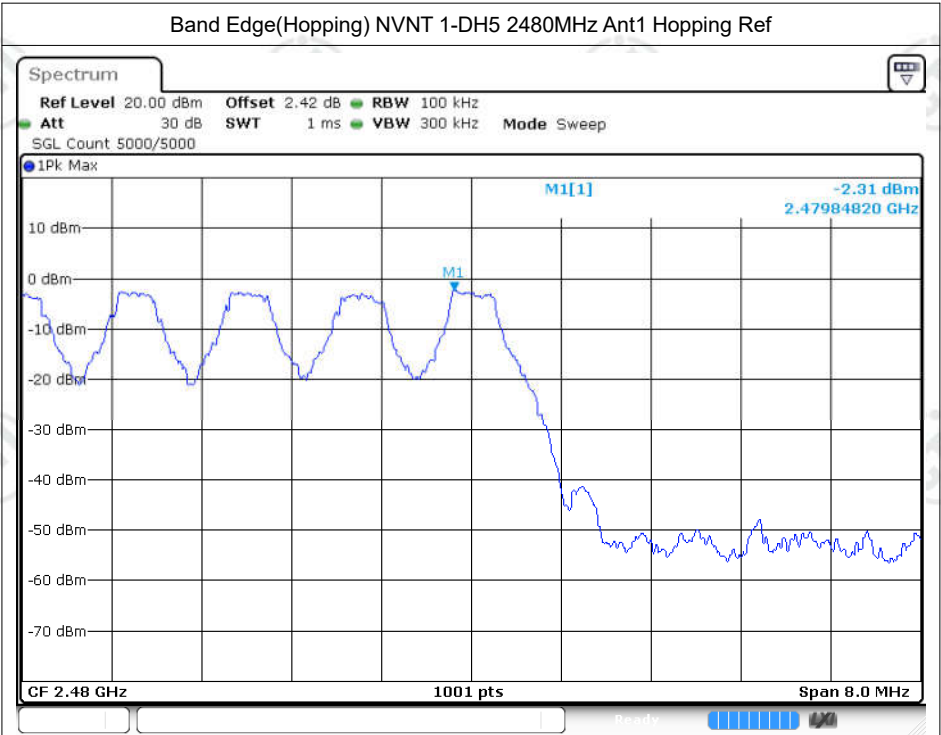
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-47.72	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-46.89	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-48.14	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-48.98	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-47.47	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-47.54	-20	Pass



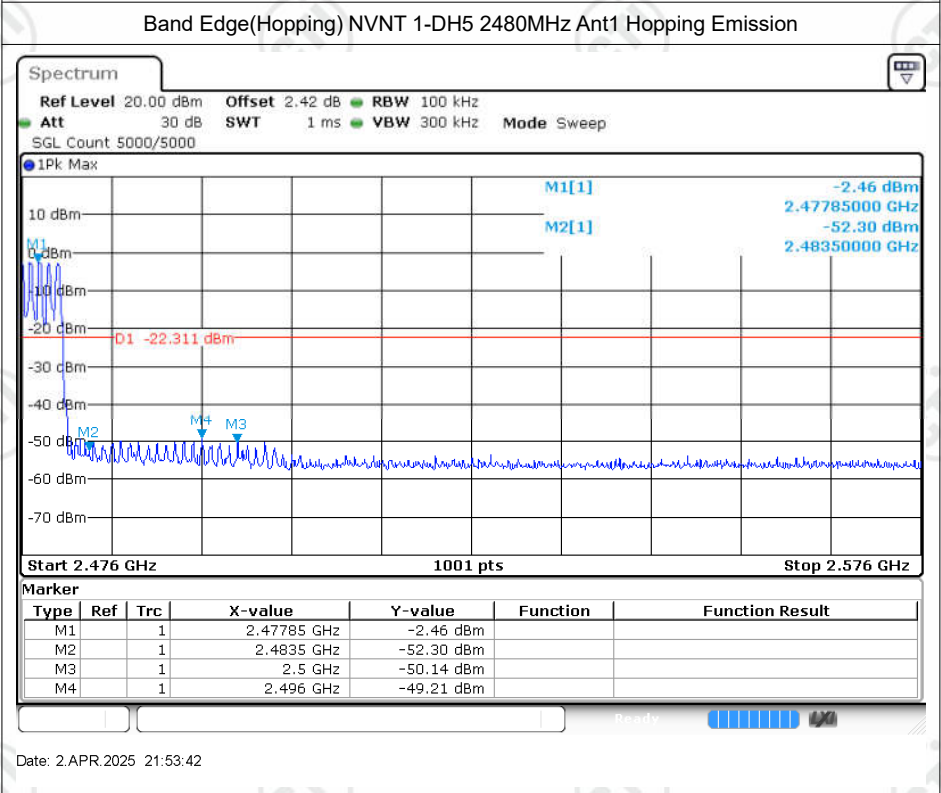
Date: 2.APR.2025 21:49:48



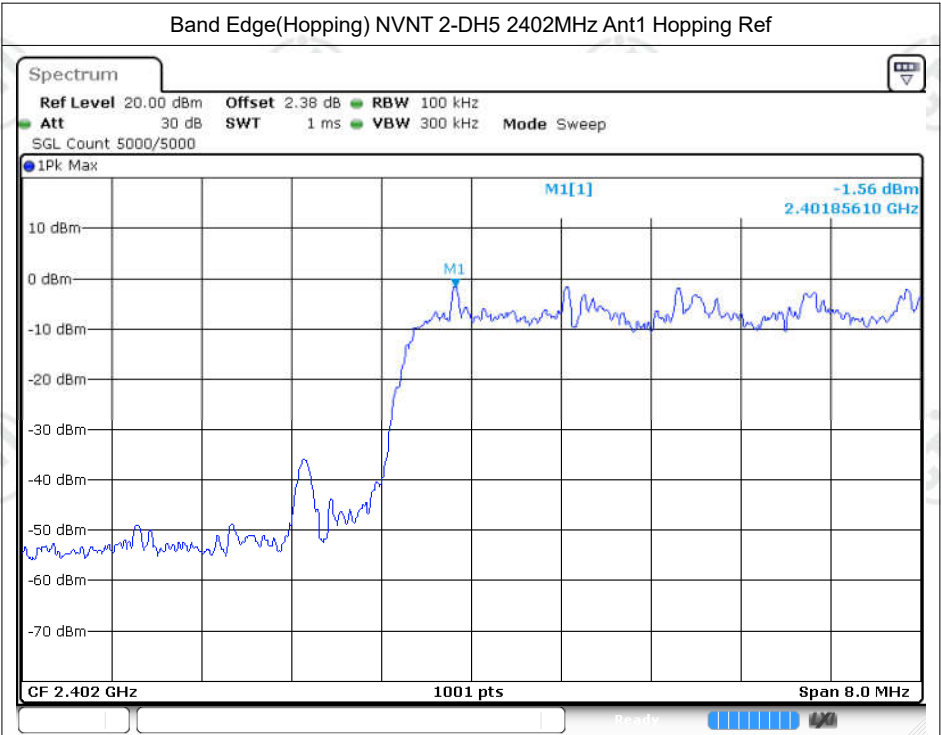
Date: 2.APR.2025 21:50:12



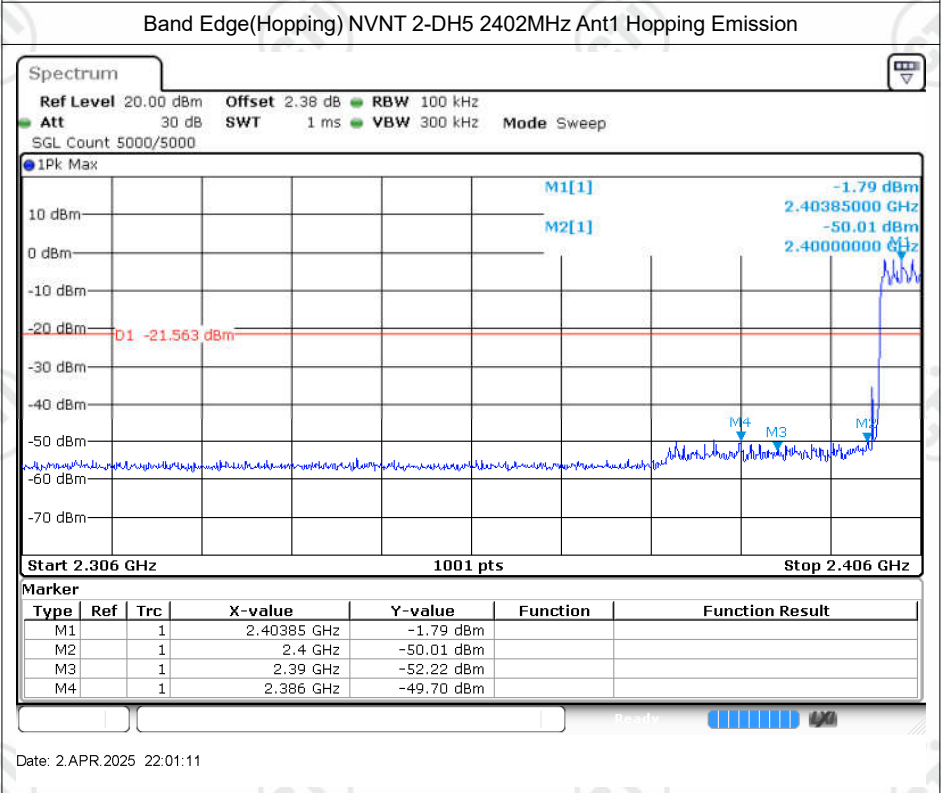
Date: 2.APR.2025 21:53:31



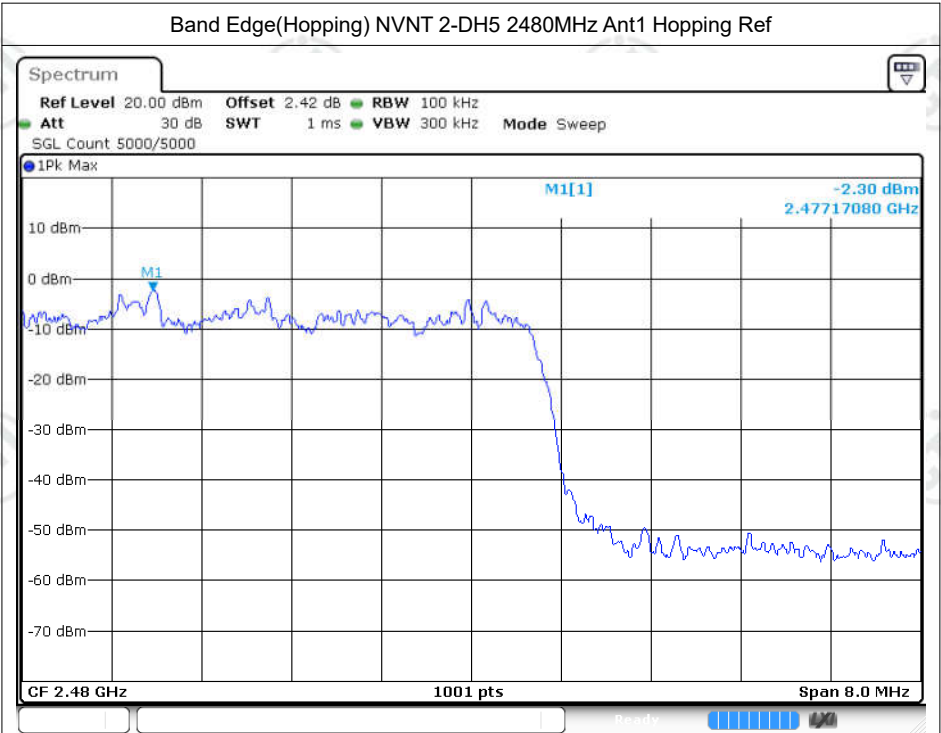
Date: 2.APR.2025 21:53:42



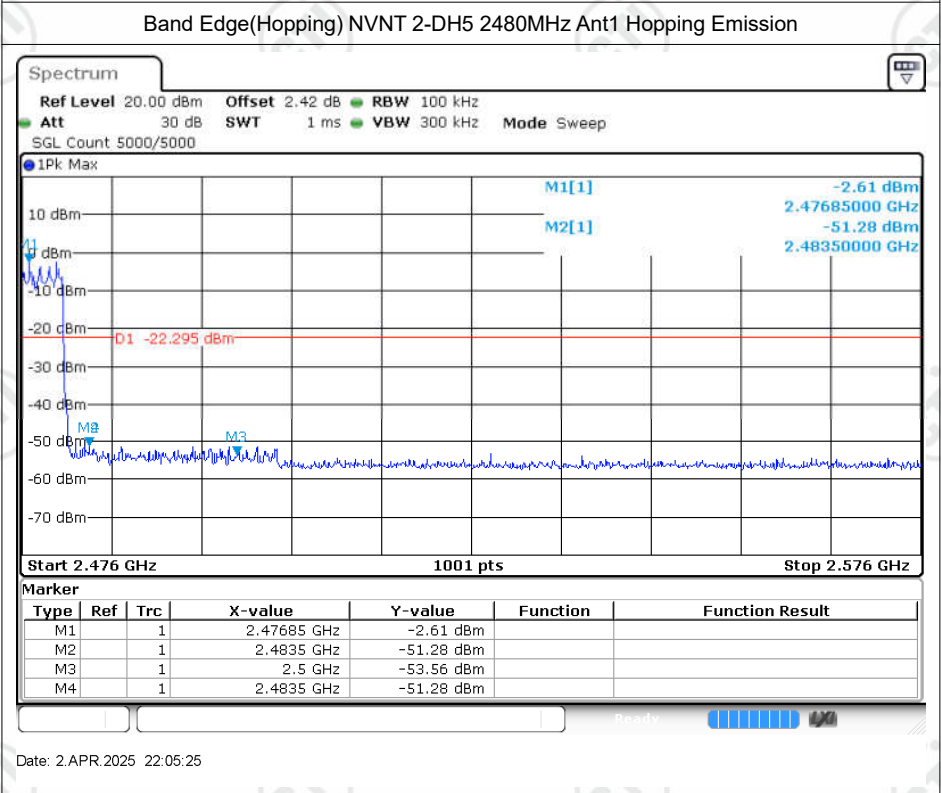
Date: 2.APR.2025 22:00:47



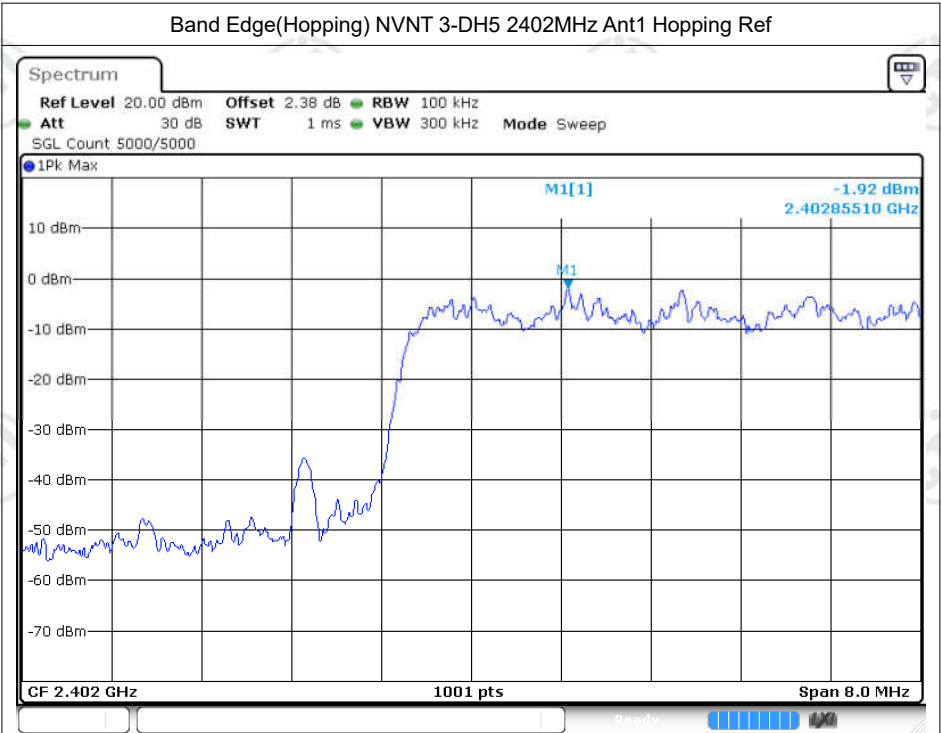
Date: 2.APR.2025 22:01:11



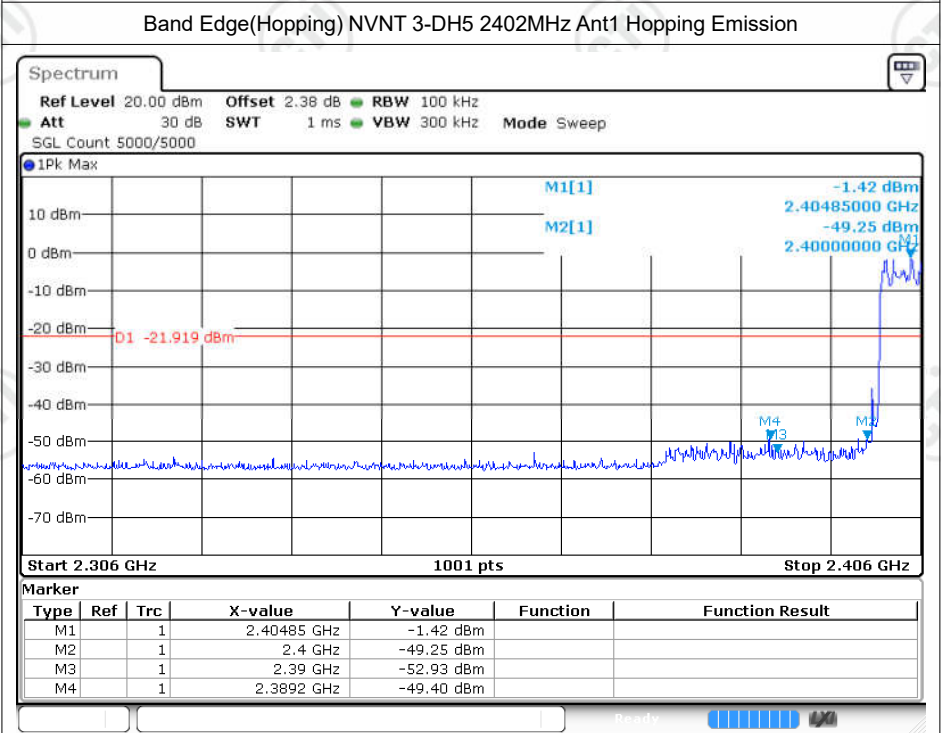
Date: 2.APR.2025 22:05:14



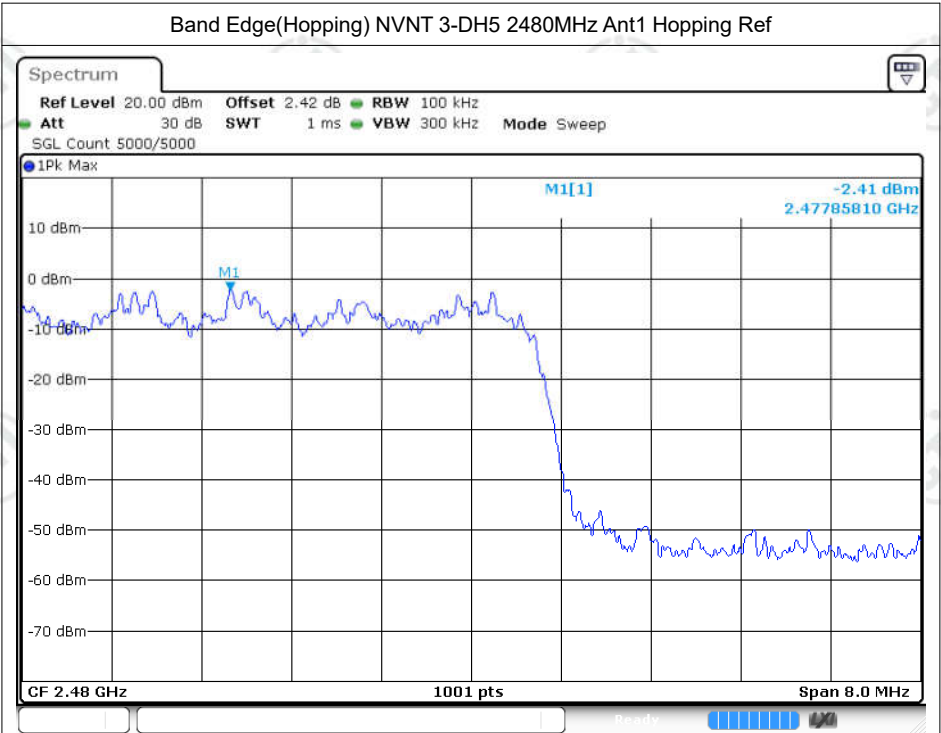
Date: 2.APR.2025 22:05:25



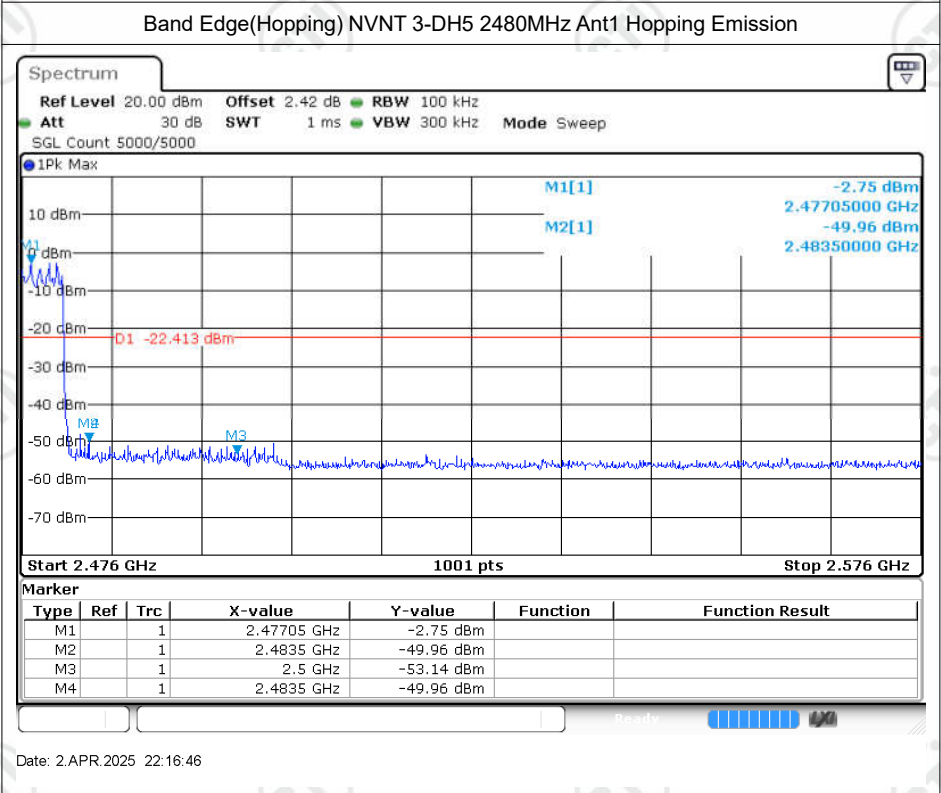
Date: 2.APR.2025 22:12:12



Date: 2.APR.2025 22:12:36



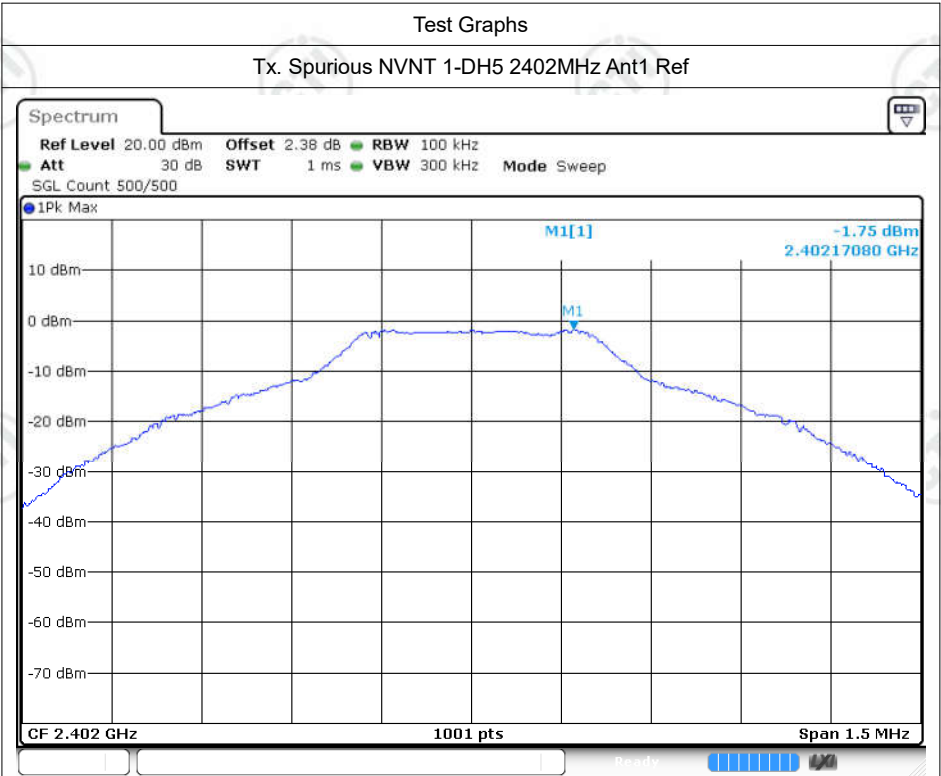
Date: 2.APR.2025 22:16:35



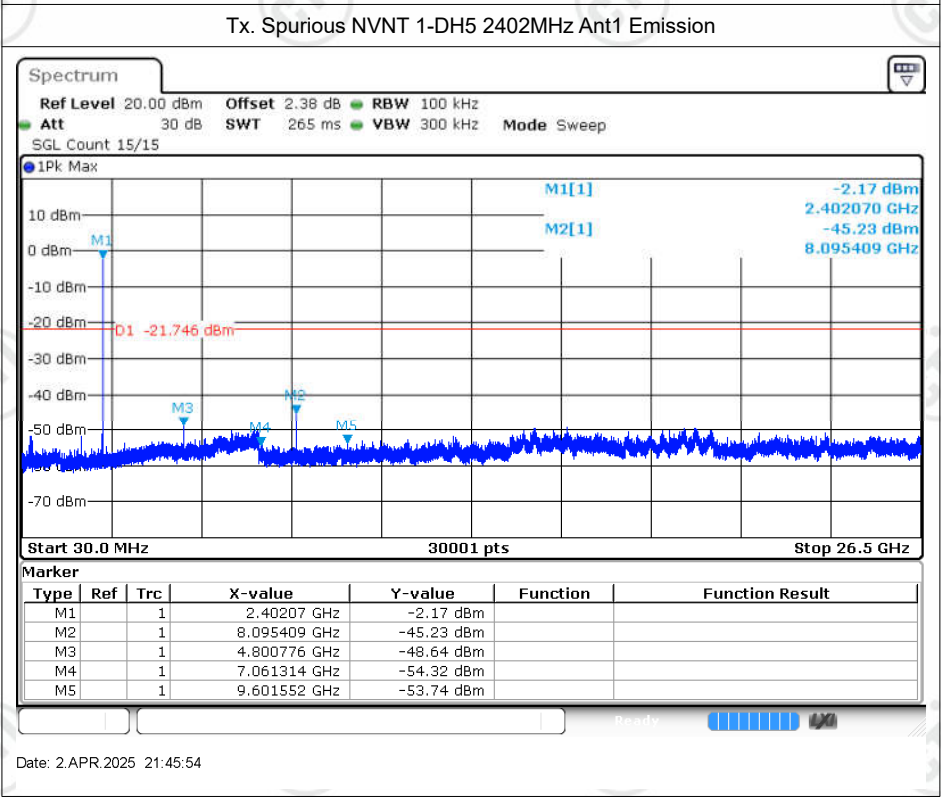
Date: 2.APR.2025 22:16:46

Conducted RF Spurious Emission

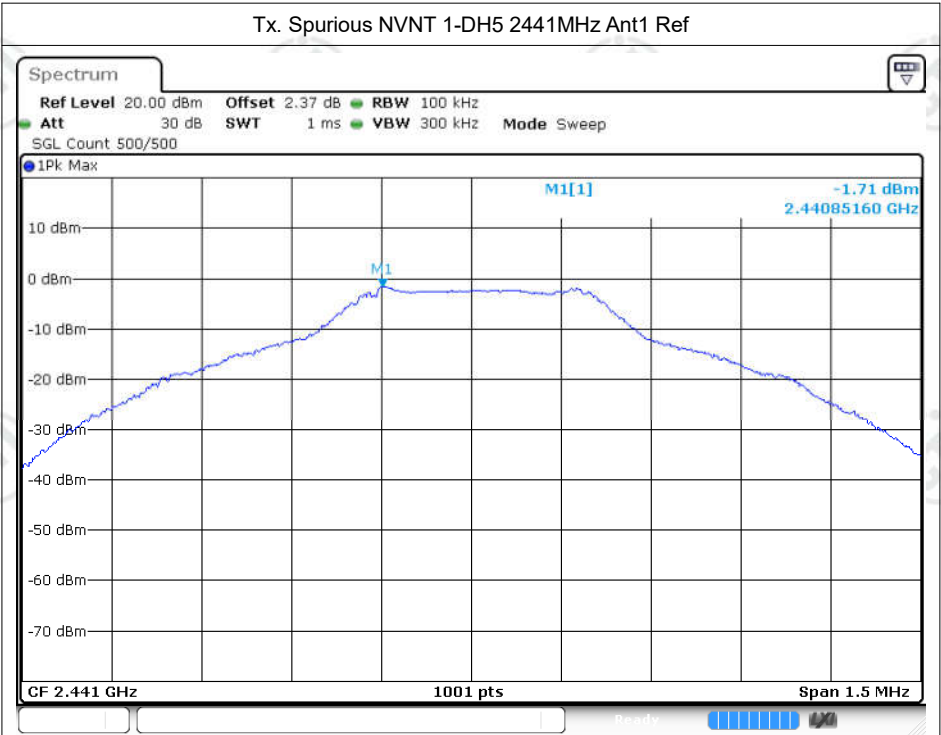
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-43.47	-20	Pass
NVNT	1-DH5	2441	Ant1	-43.49	-20	Pass
NVNT	1-DH5	2480	Ant1	-43.4	-20	Pass
NVNT	2-DH5	2402	Ant1	-44.67	-20	Pass
NVNT	2-DH5	2441	Ant1	-43.76	-20	Pass
NVNT	2-DH5	2480	Ant1	-42.51	-20	Pass
NVNT	3-DH5	2402	Ant1	-44.18	-20	Pass
NVNT	3-DH5	2441	Ant1	-43.45	-20	Pass
NVNT	3-DH5	2480	Ant1	-43.17	-20	Pass



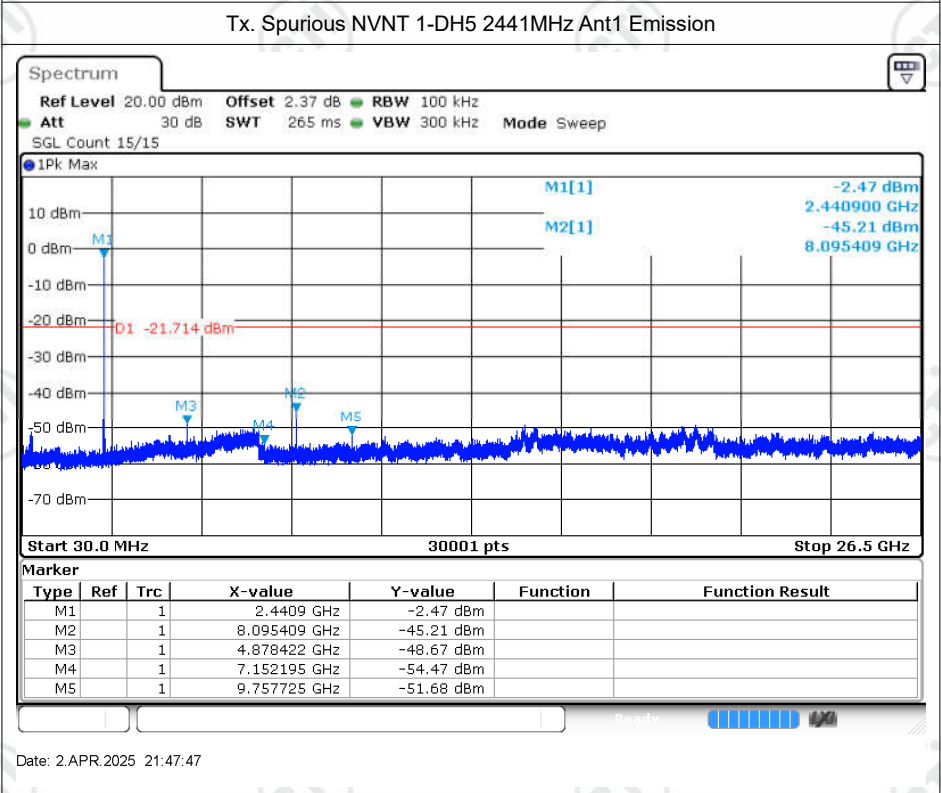
Date: 2.APR.2025 21:45:39



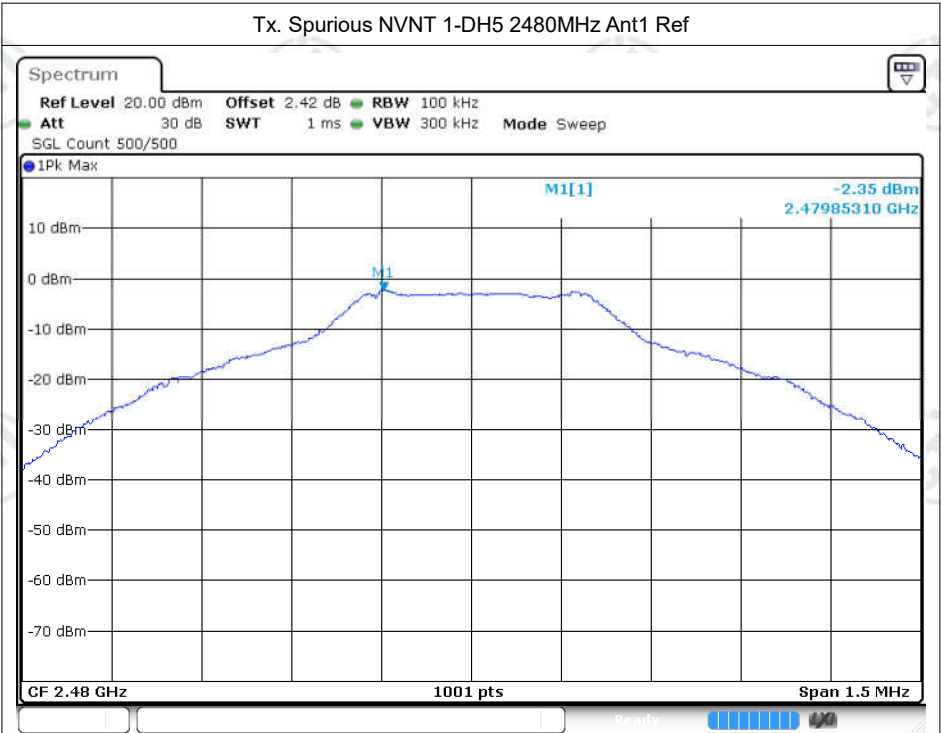
Date: 2.APR.2025 21:45:54



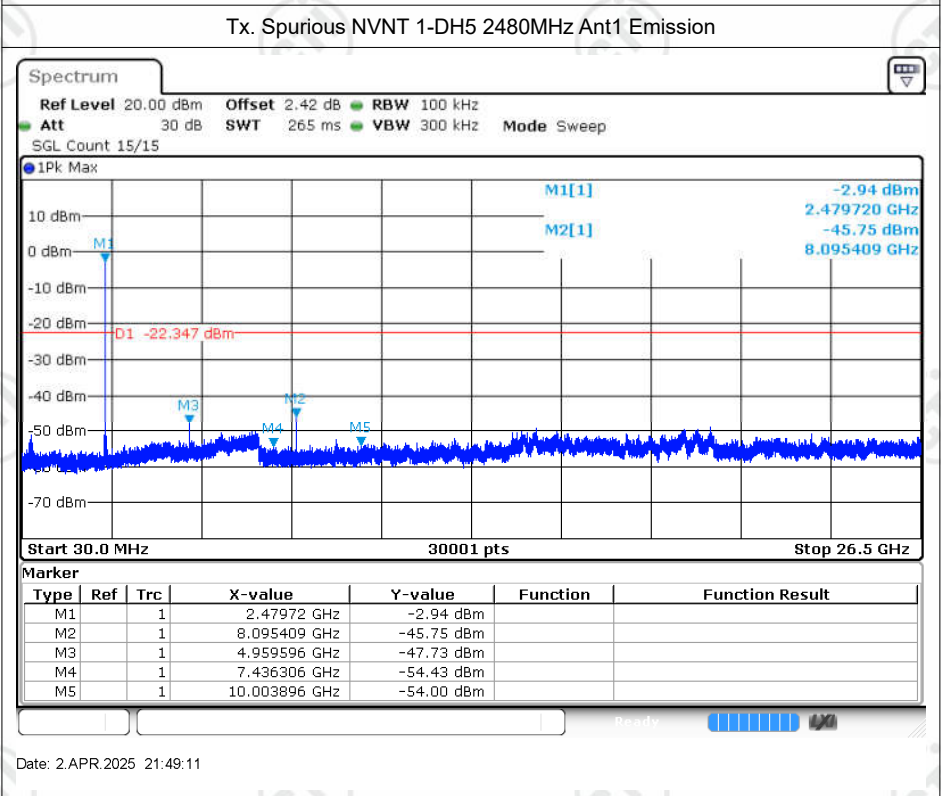
Date: 2.APR.2025 21:47:32



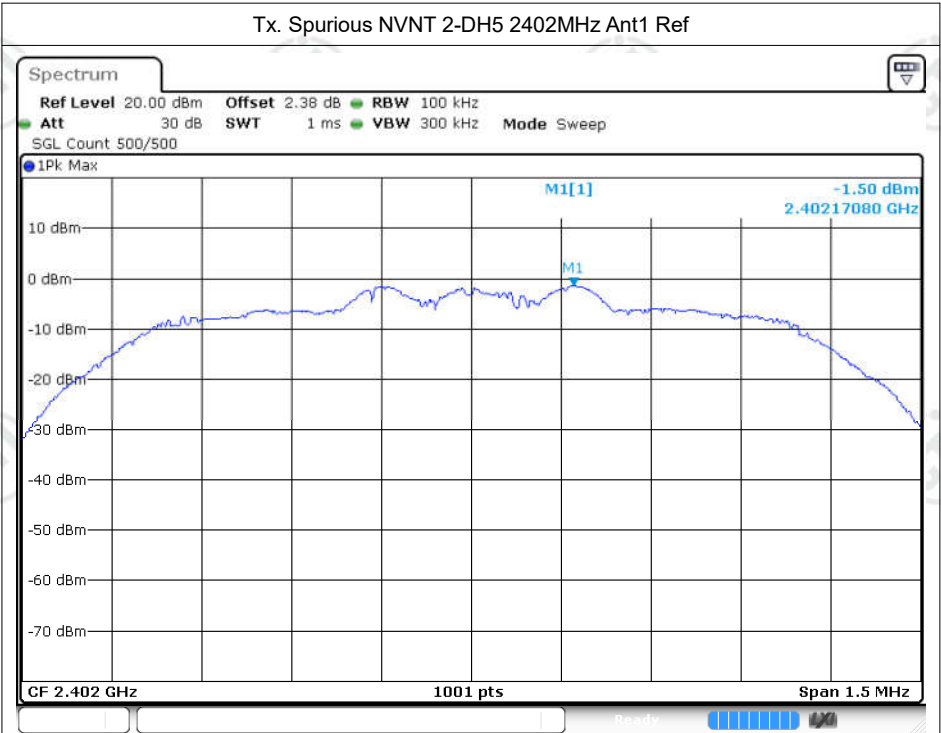
Date: 2.APR.2025 21:47:47



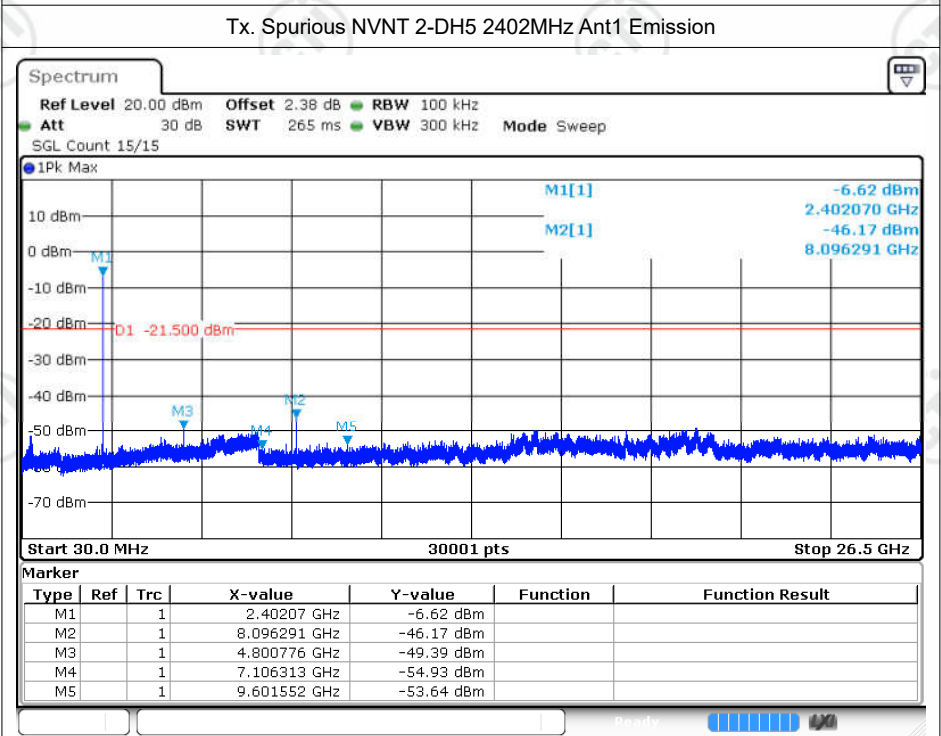
Date: 2.APR.2025 21:48:56



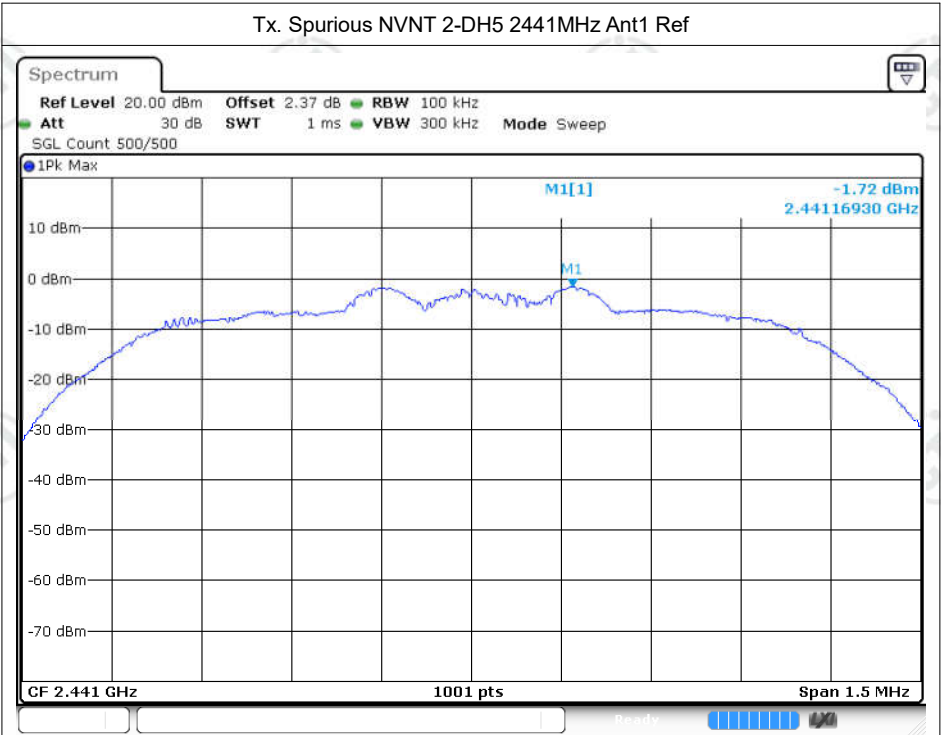
Date: 2.APR.2025 21:49:11



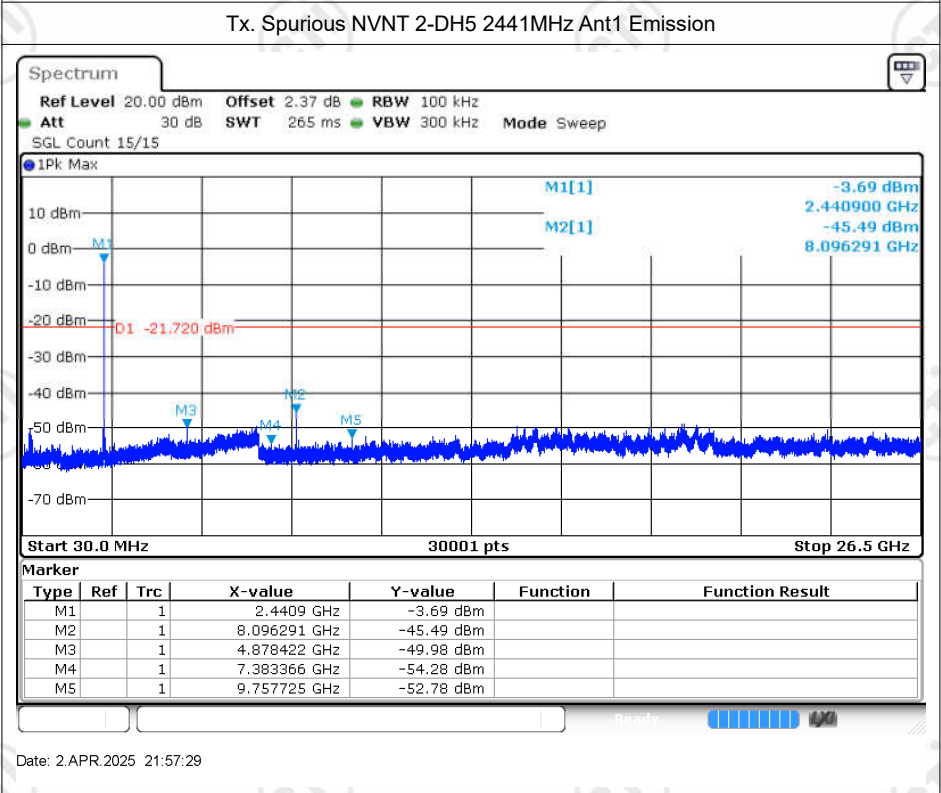
Date: 2.APR.2025 21:55:49

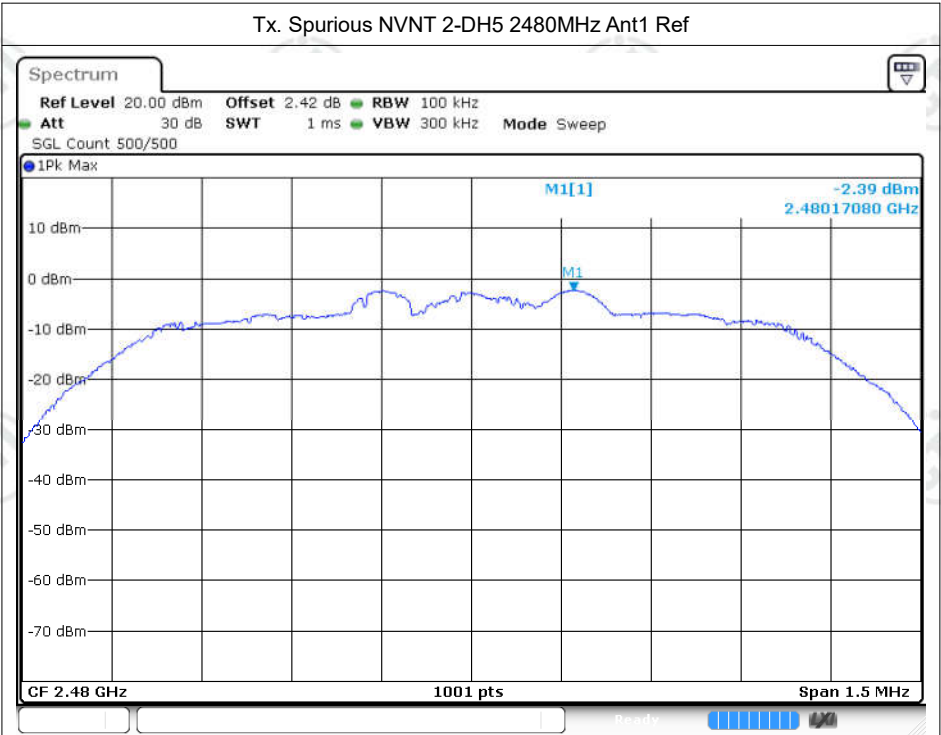


Date: 2.APR.2025 21:56:04

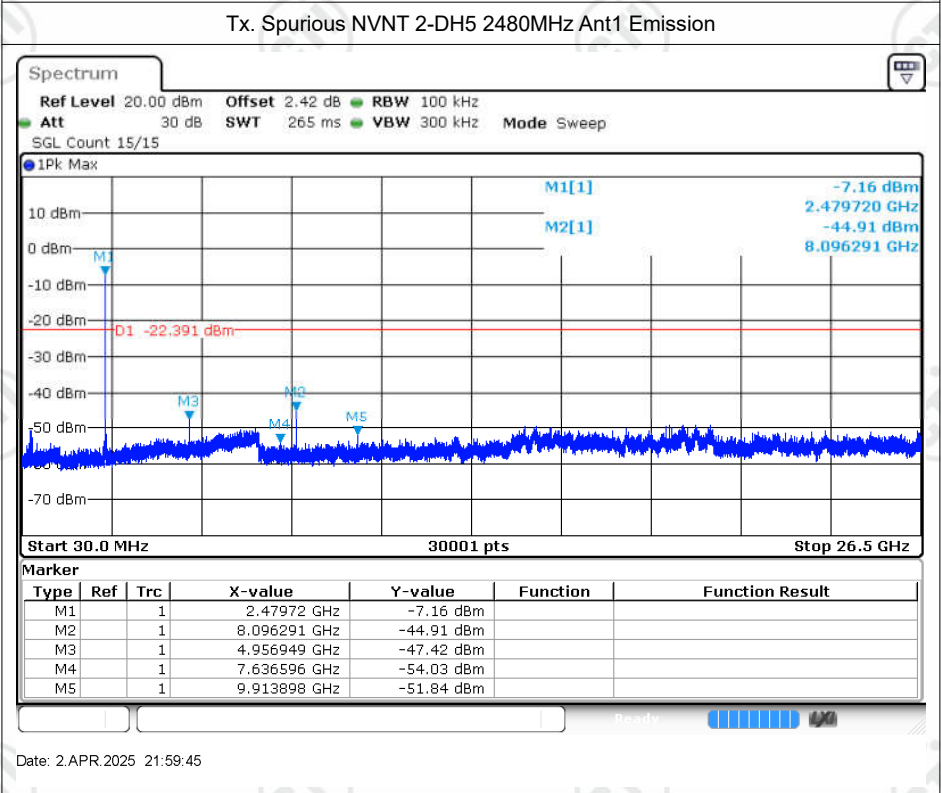


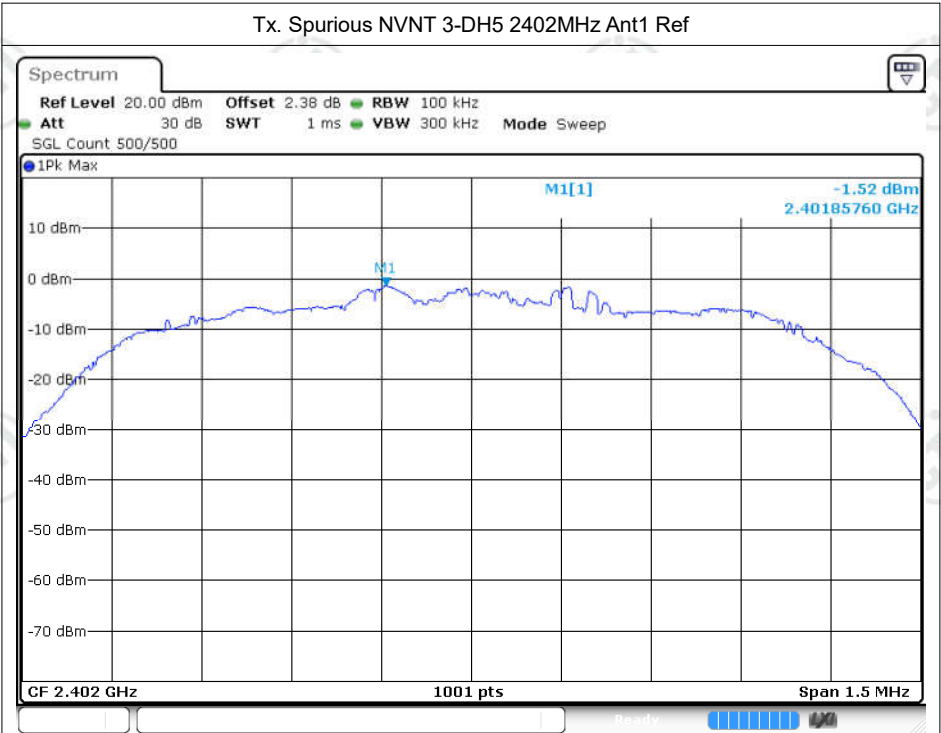
Date: 2.APR.2025 21:57:14



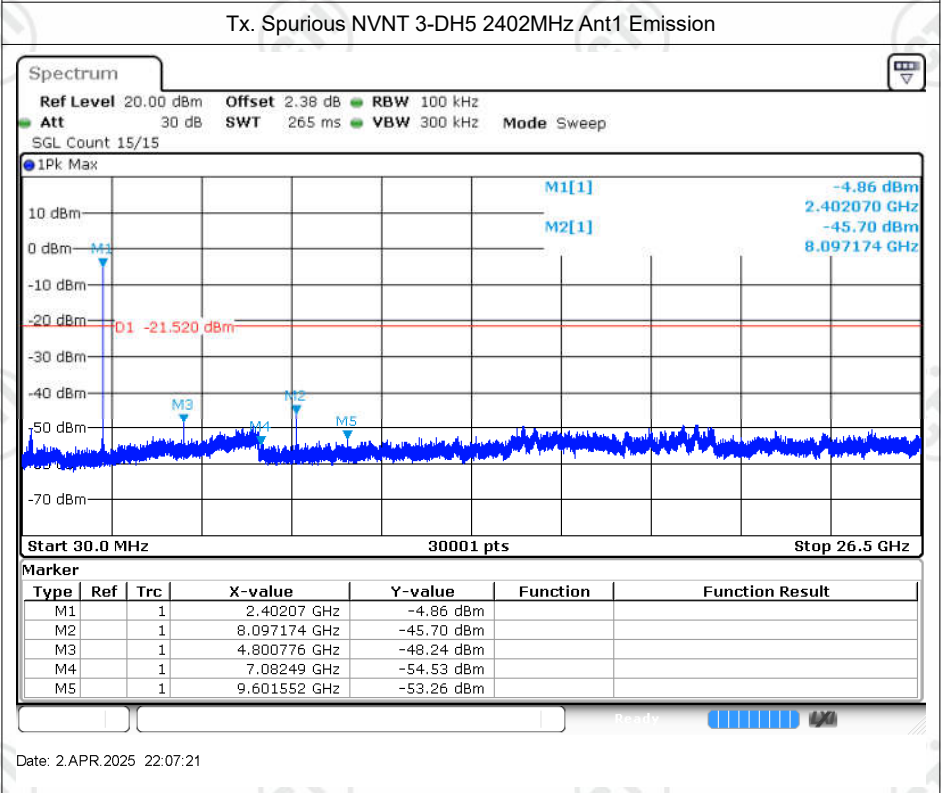


Date: 2.APR.2025 21:59:29

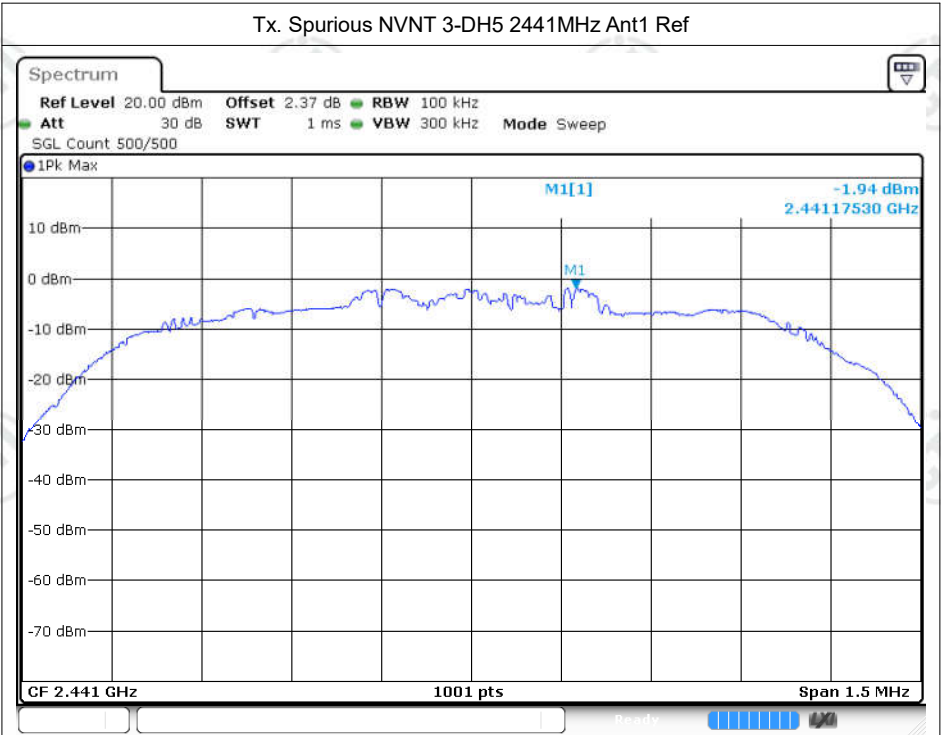




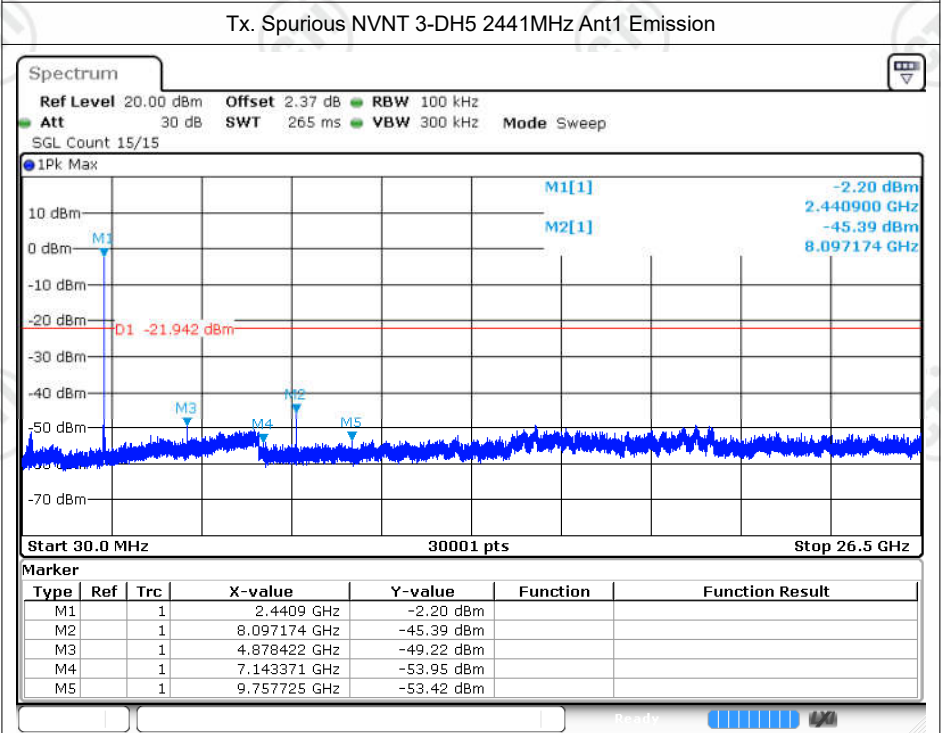
Date: 2.APR.2025 22:07:06



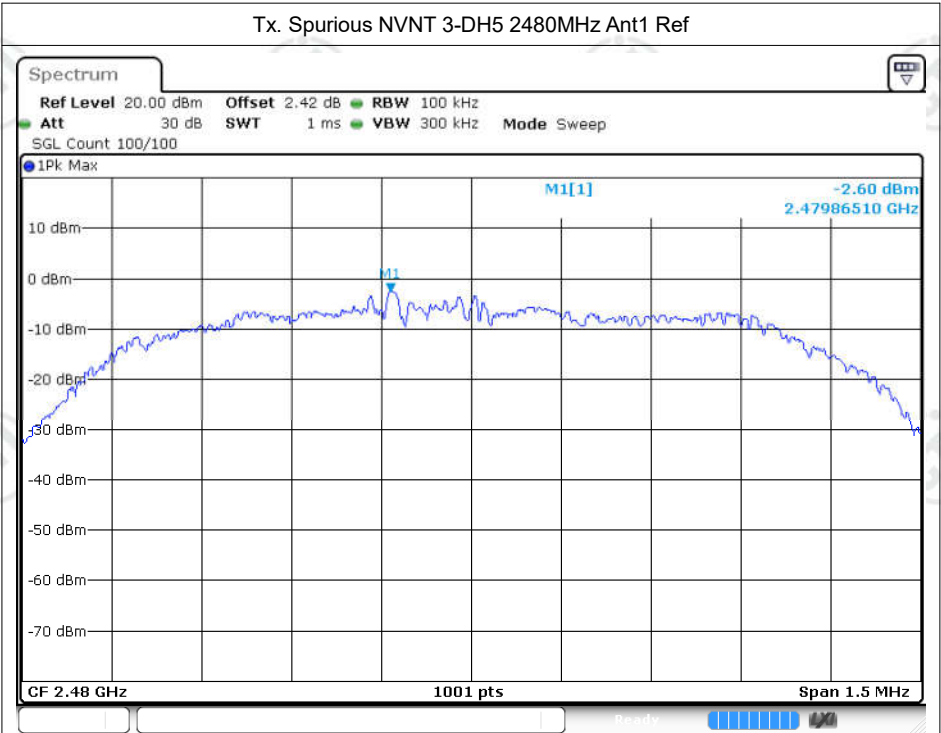
Date: 2.APR.2025 22:07:21



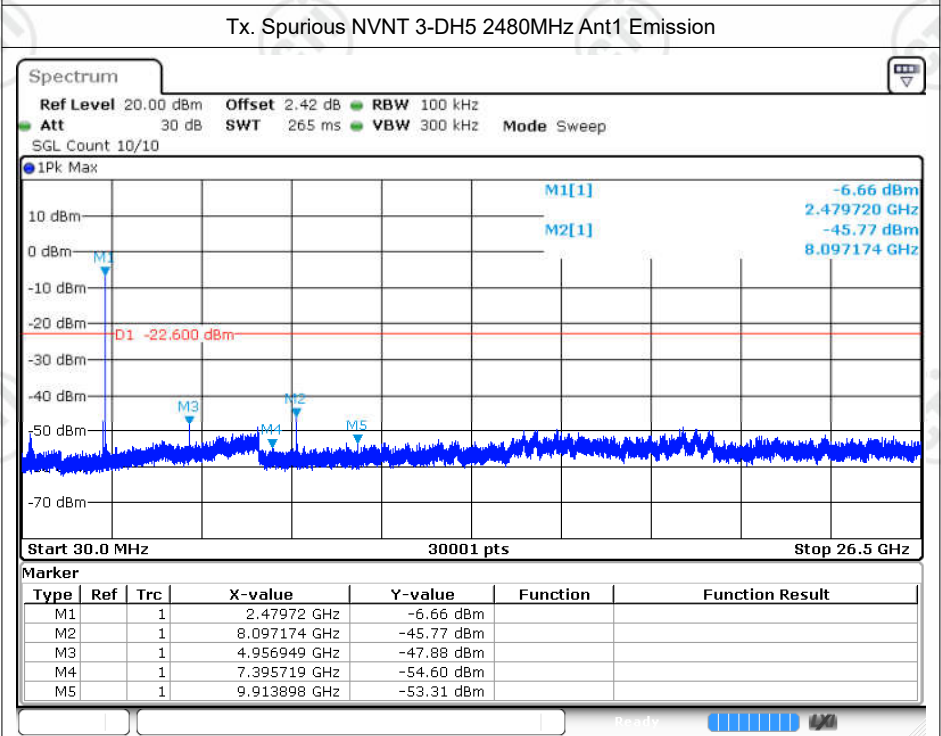
Date: 2.APR.2025 22:08:36



Date: 2.APR.2025 22:08:52



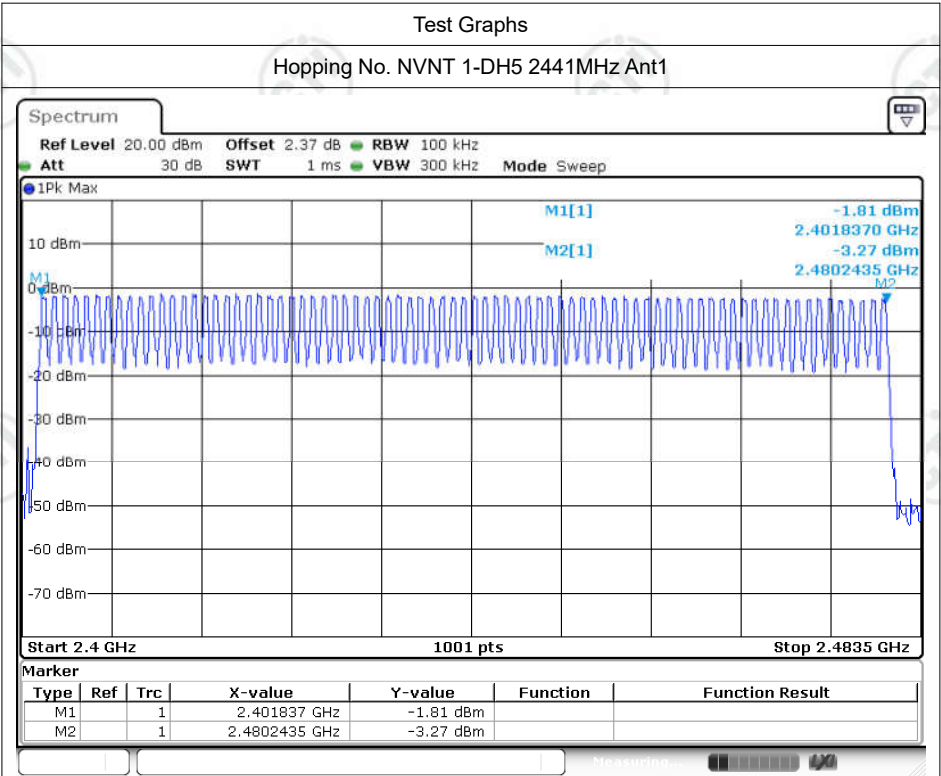
Date: 2.APR.2025 22:10:06



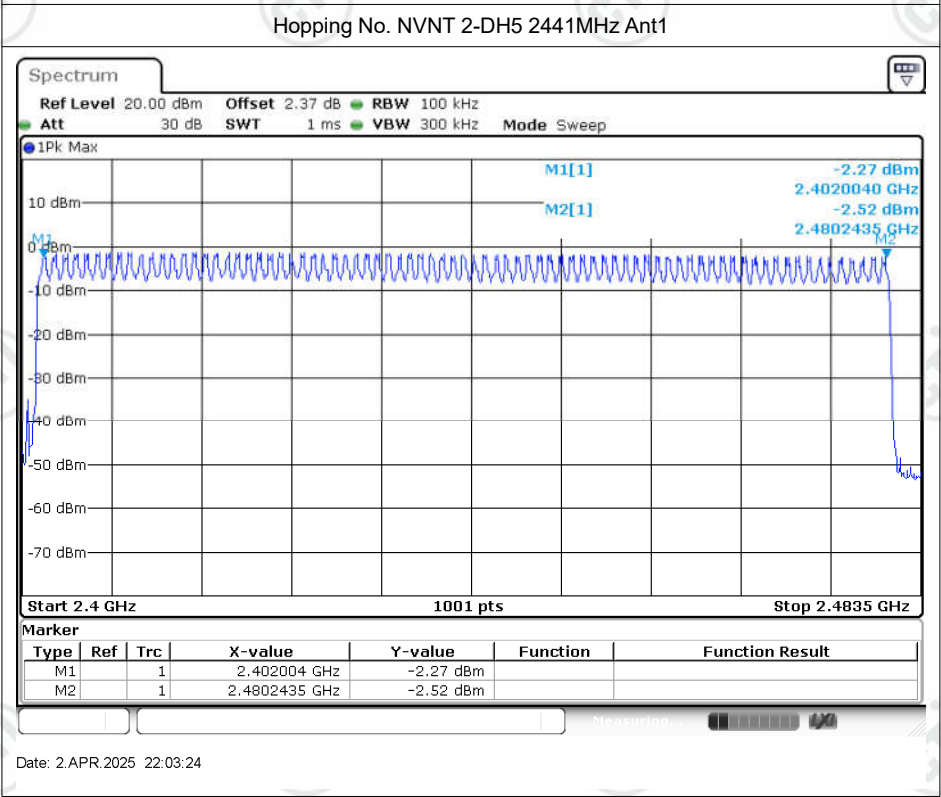
Date: 2.APR.2025 22:10:17

Number of Hopping Channel

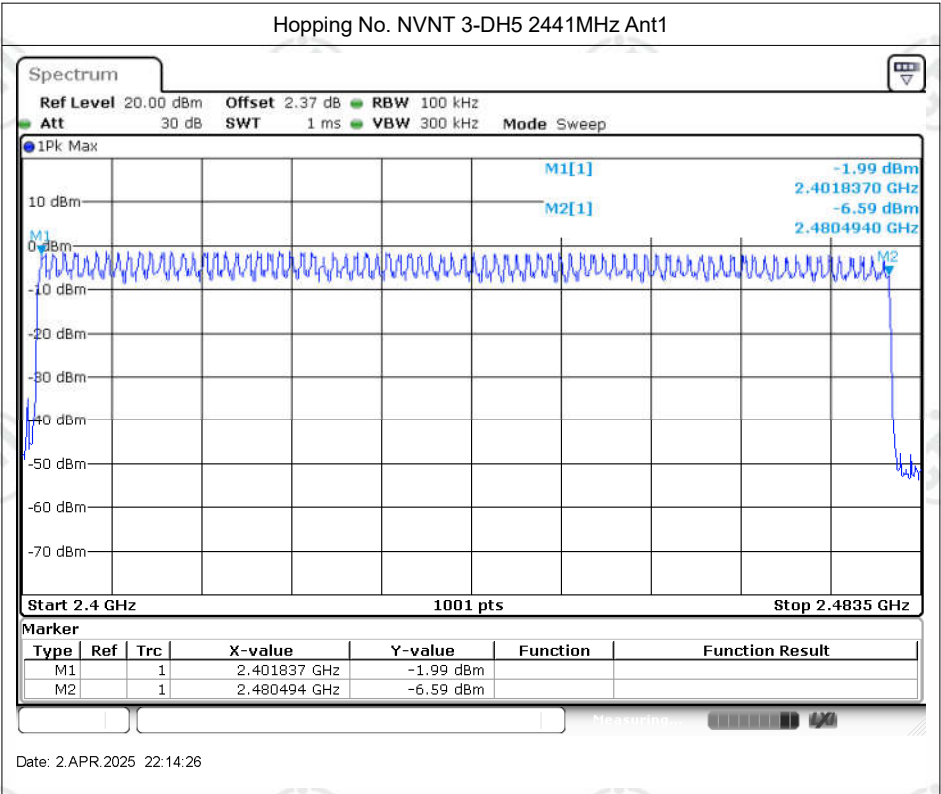
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



Date: 2.APR.2025 21:51:26



Date: 2.APR.2025 22:03:24



*** End of Report ***