

Appendix: Bluetooth Classic

Contents

Dwell Time3

Duty Cycle 13

Maximum Peak Conducted Output Power 19

-20dB Bandwidth 25

Occupied Channel Bandwidth 31

Carrier Frequencies Separation 37

Band Edge 43

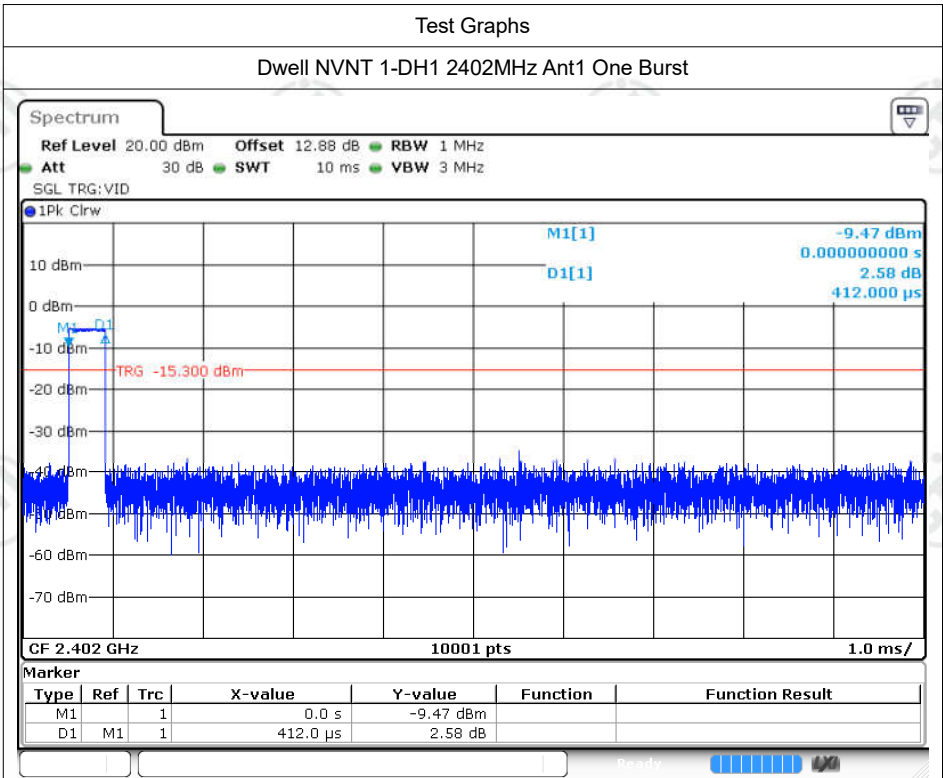
Band Edge(Hopping) 50

Conducted RF Spurious Emission 57

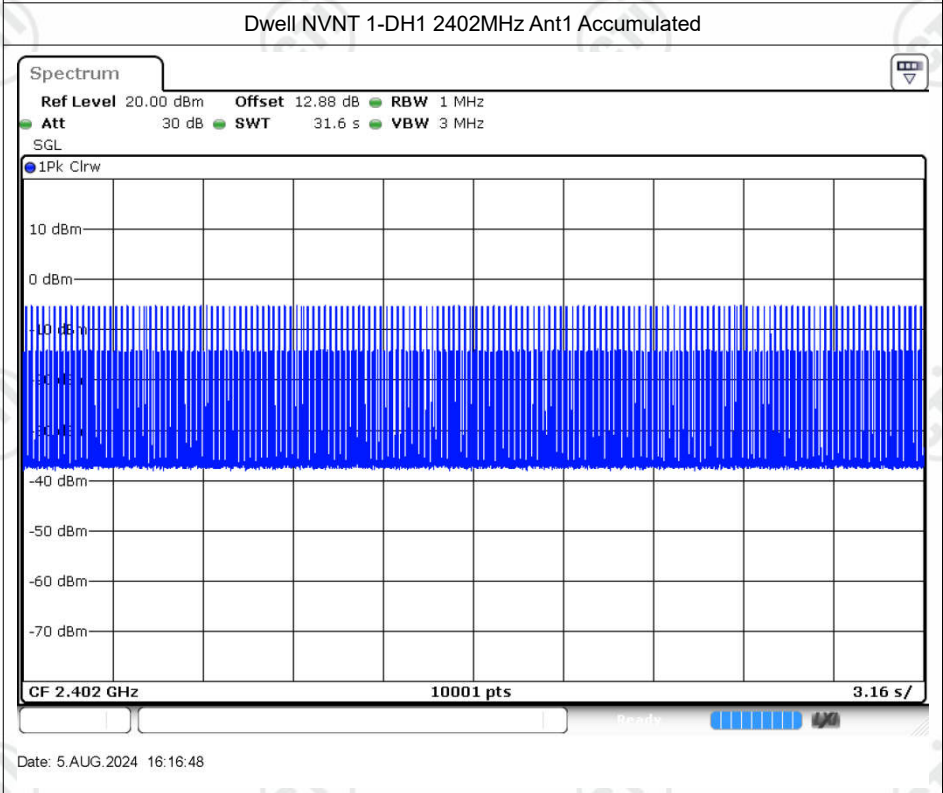
Number of Hopping Channel 67

Dwell Time

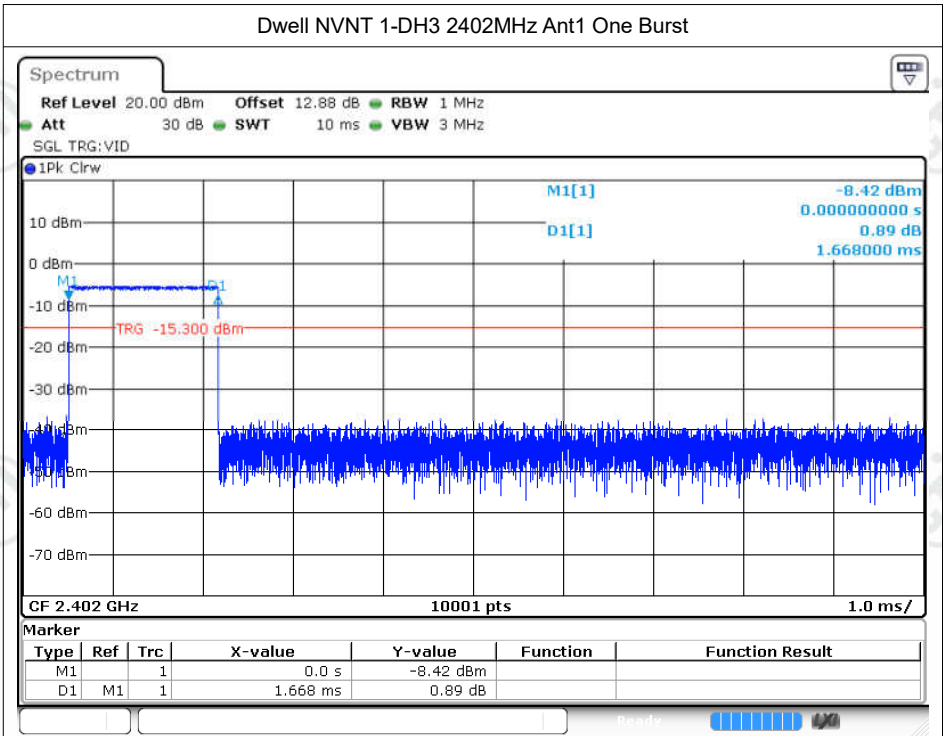
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2402	Ant1	0.412	130.192	316	31600	400	Pass
NVNT	1-DH3	2402	Ant1	1.668	266.88	160	31600	400	Pass
NVNT	1-DH5	2402	Ant1	2.916	344.088	118	31600	400	Pass
NVNT	2-DH1	2402	Ant1	0.422	133.774	317	31600	400	Pass
NVNT	2-DH3	2402	Ant1	1.674	276.21	165	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.921	303.784	104	31600	400	Pass
NVNT	3-DH1	2402	Ant1	0.424	134.832	318	31600	400	Pass
NVNT	3-DH3	2402	Ant1	1.674	277.884	166	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.925	272.025	93	31600	400	Pass



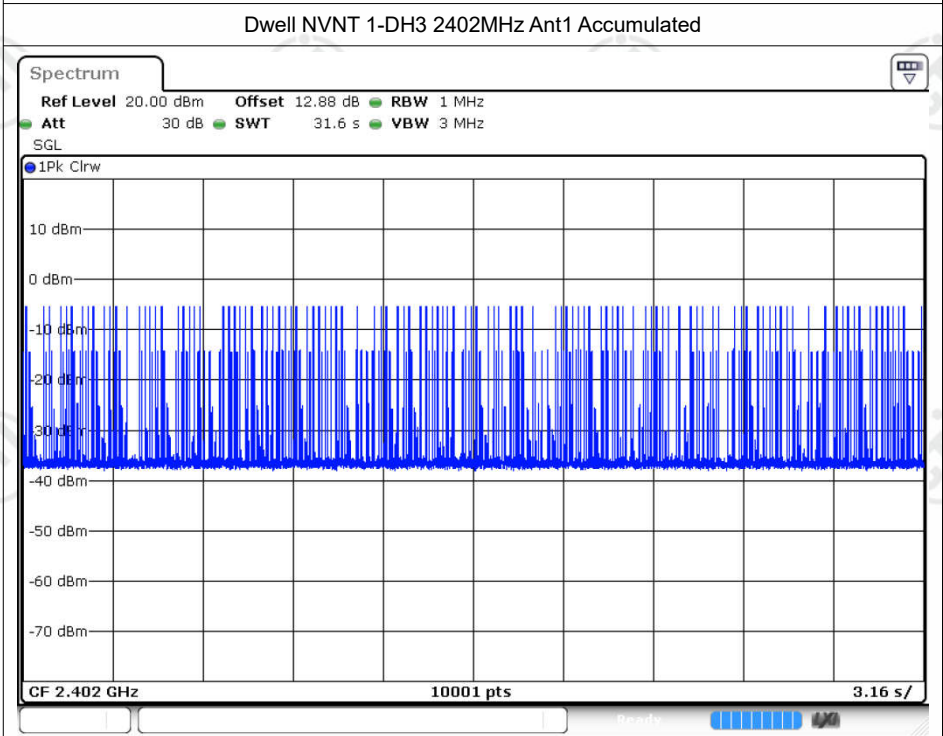
Date: 5.AUG.2024 16:16:15



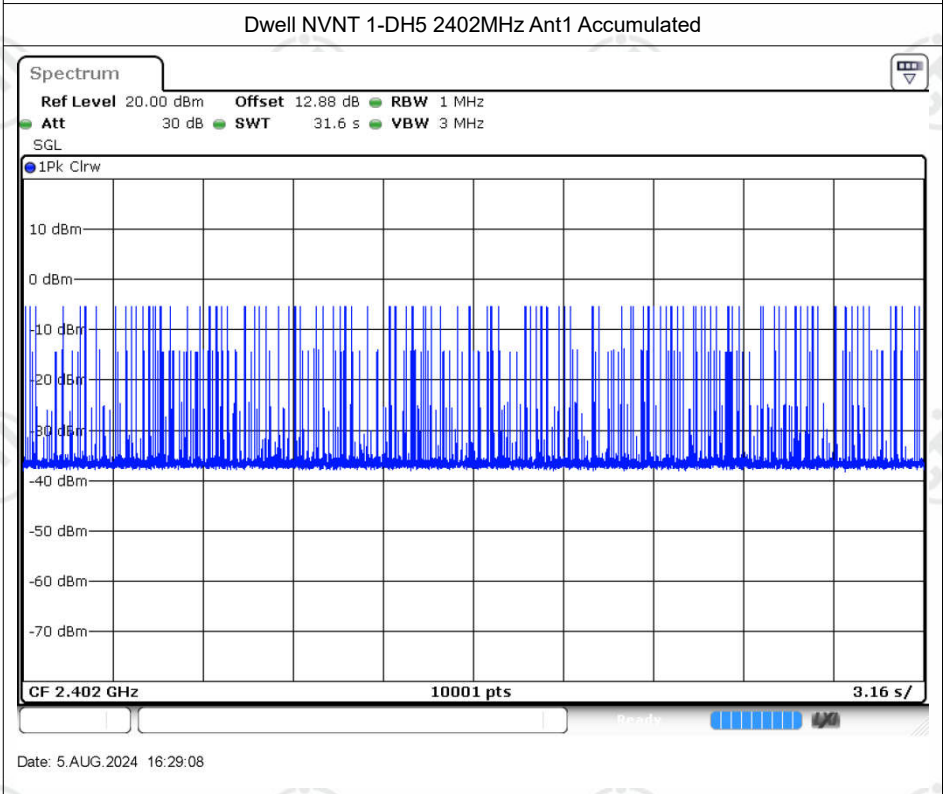
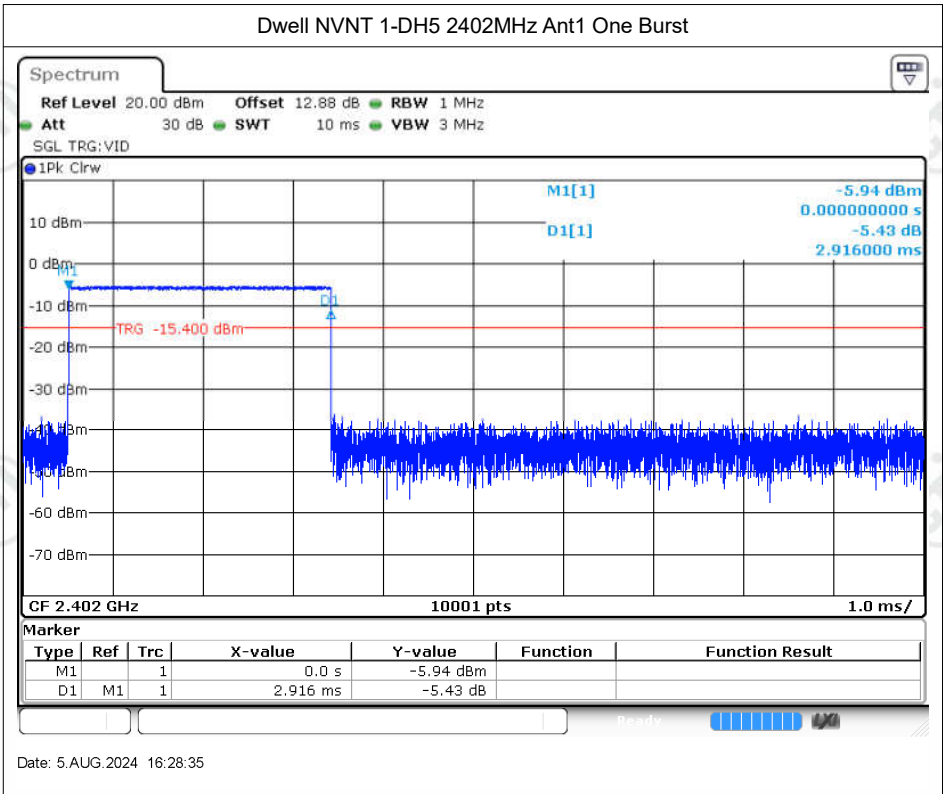
Date: 5.AUG.2024 16:16:48

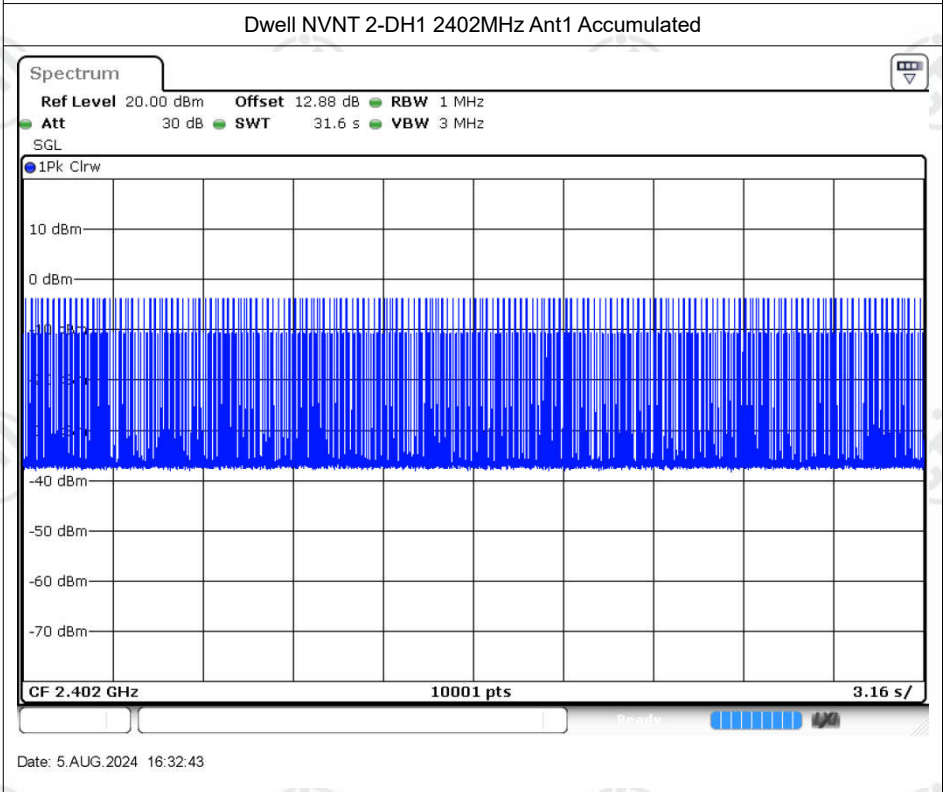
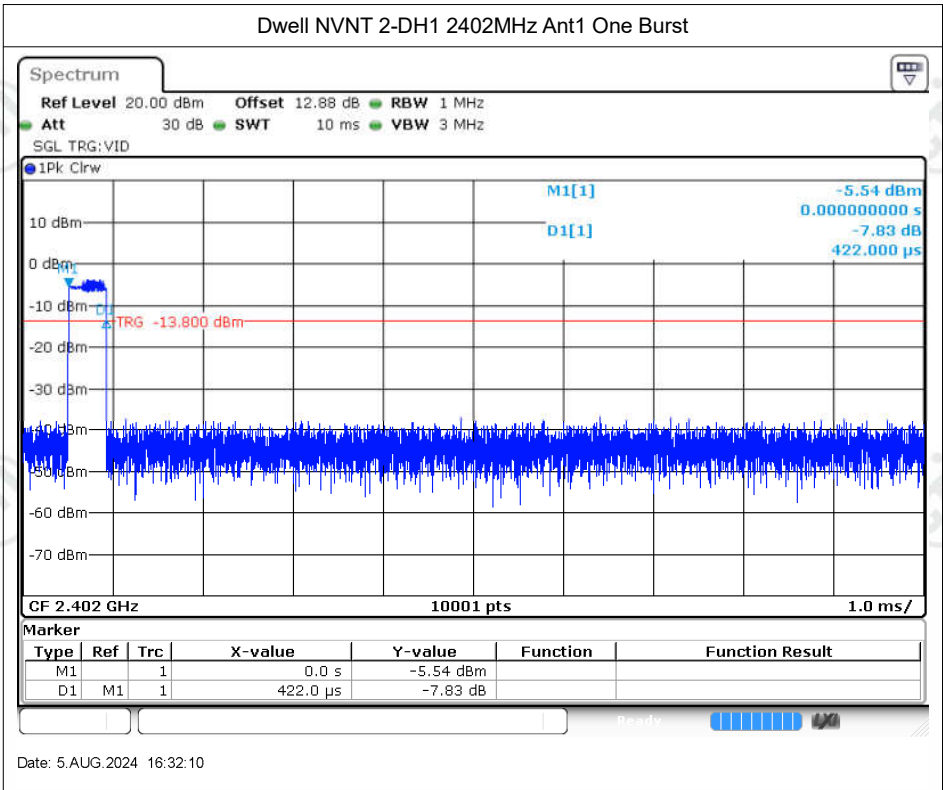


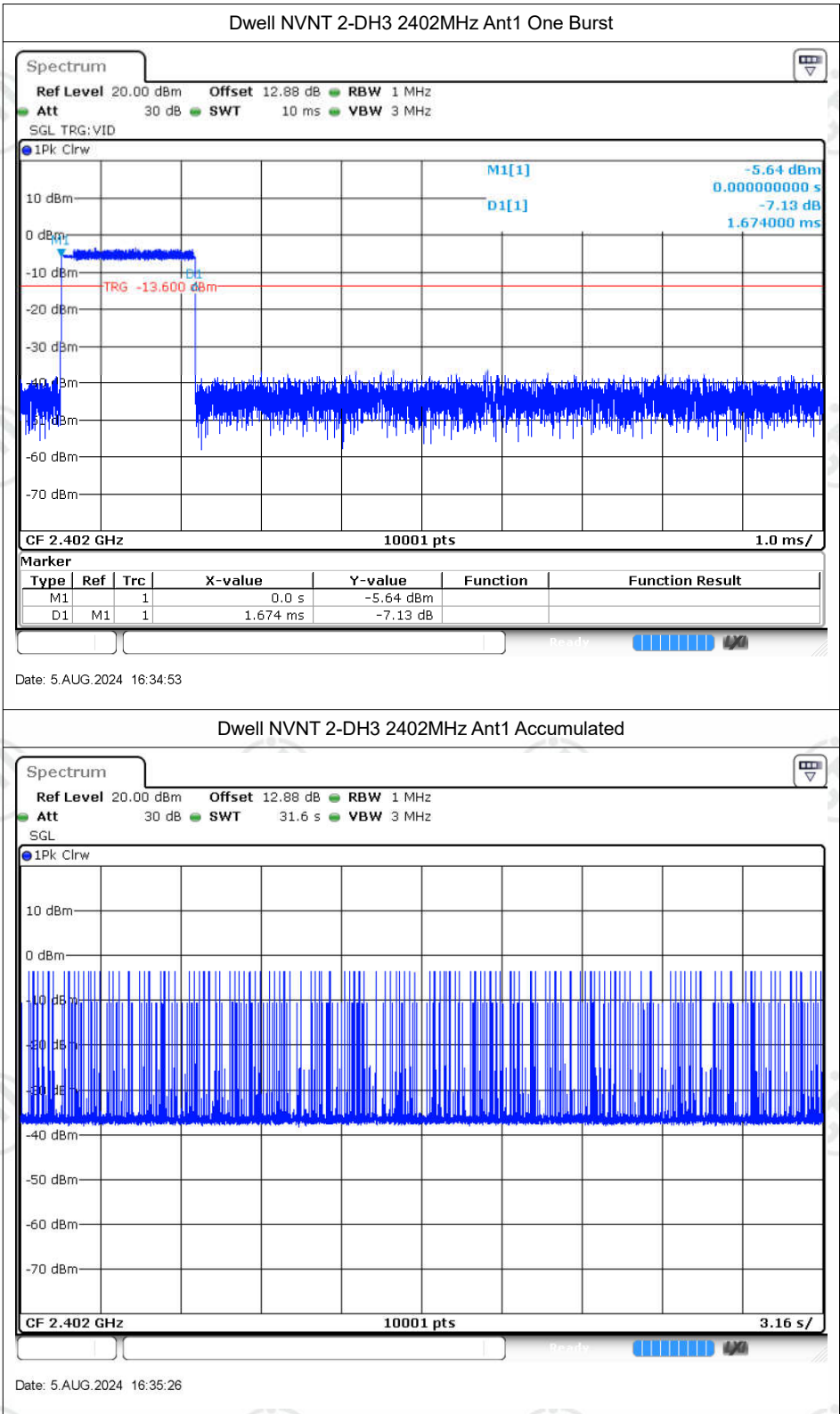
Date: 5.AUG.2024 16:18:19

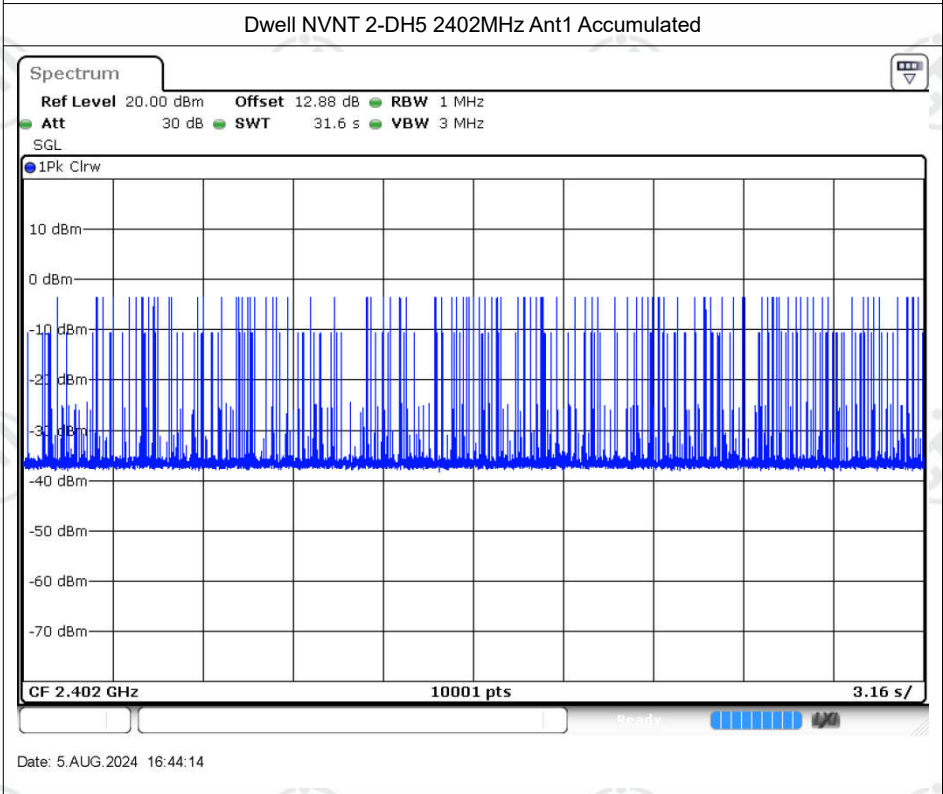
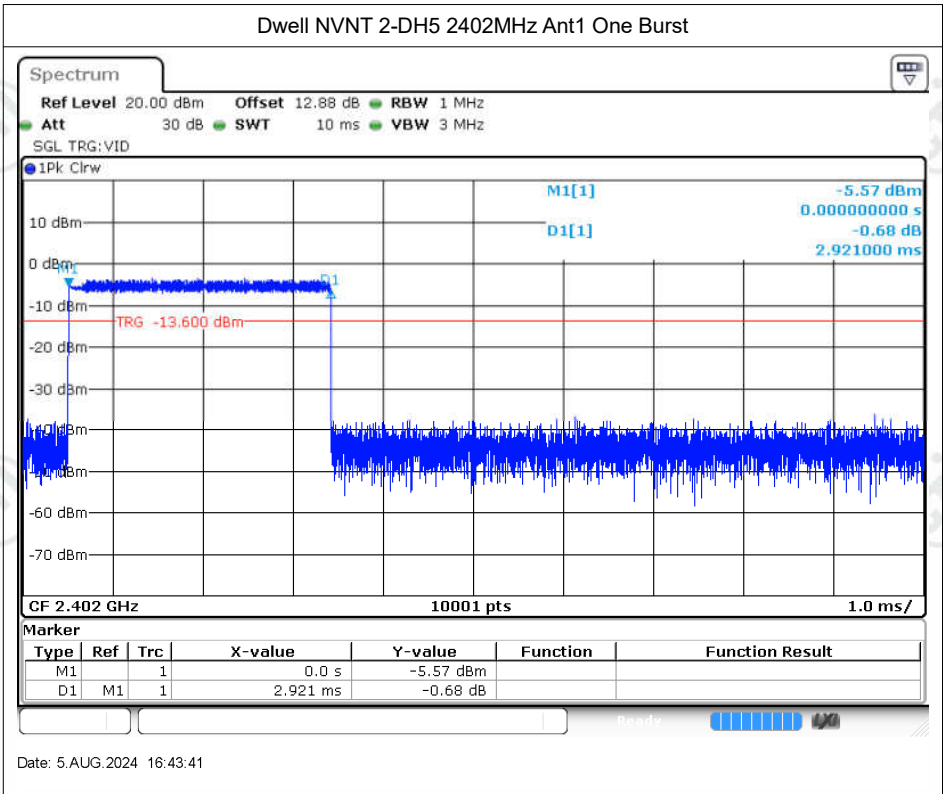


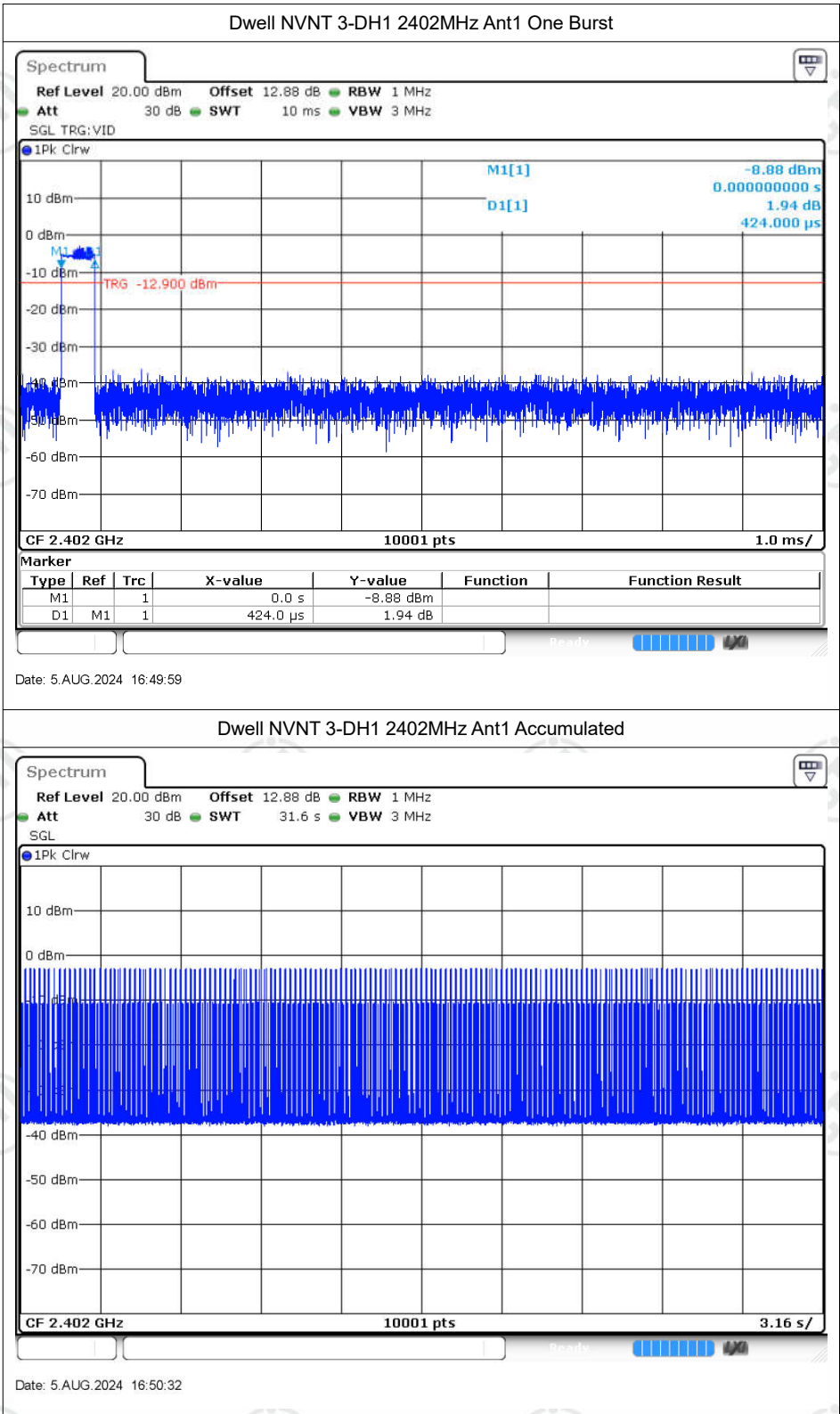
Date: 5.AUG.2024 16:18:52

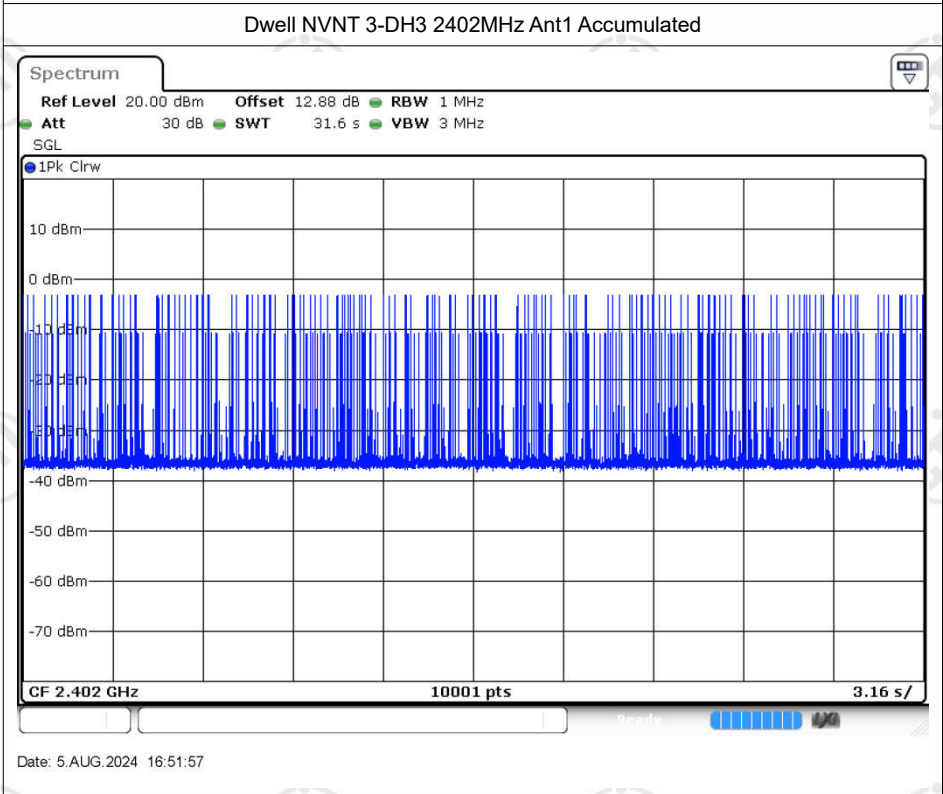
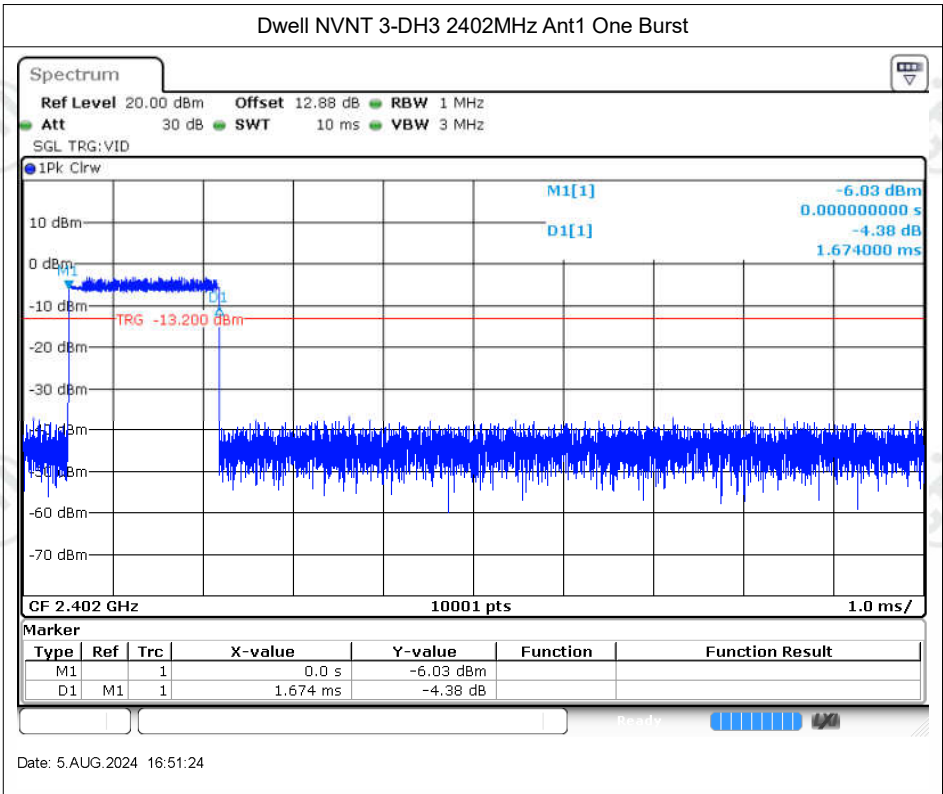


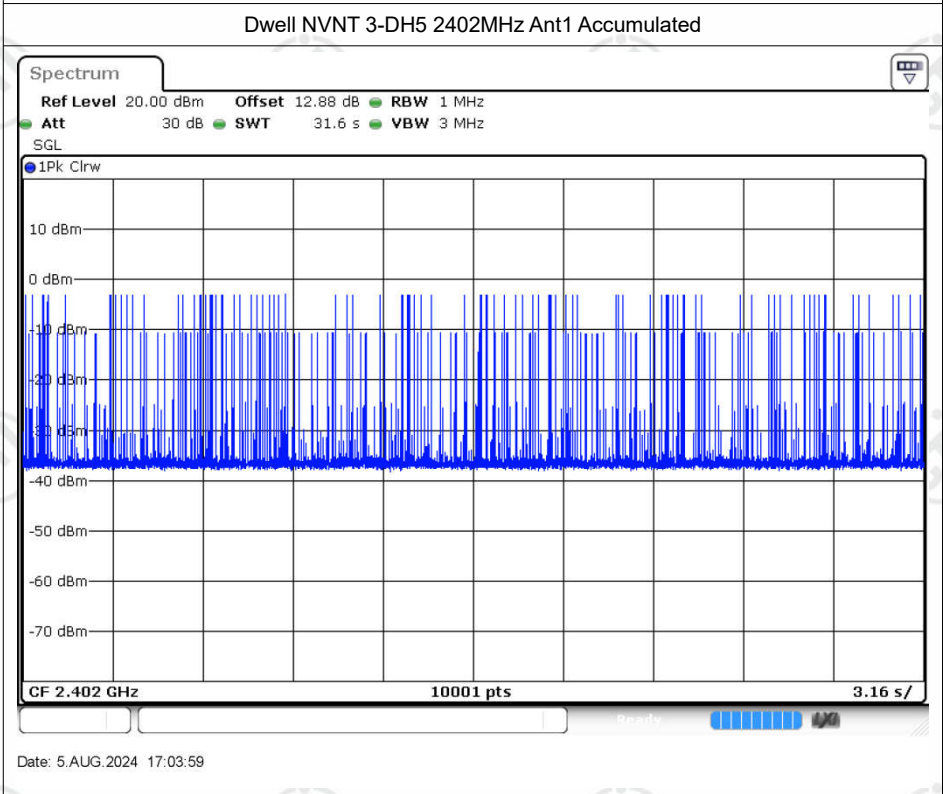
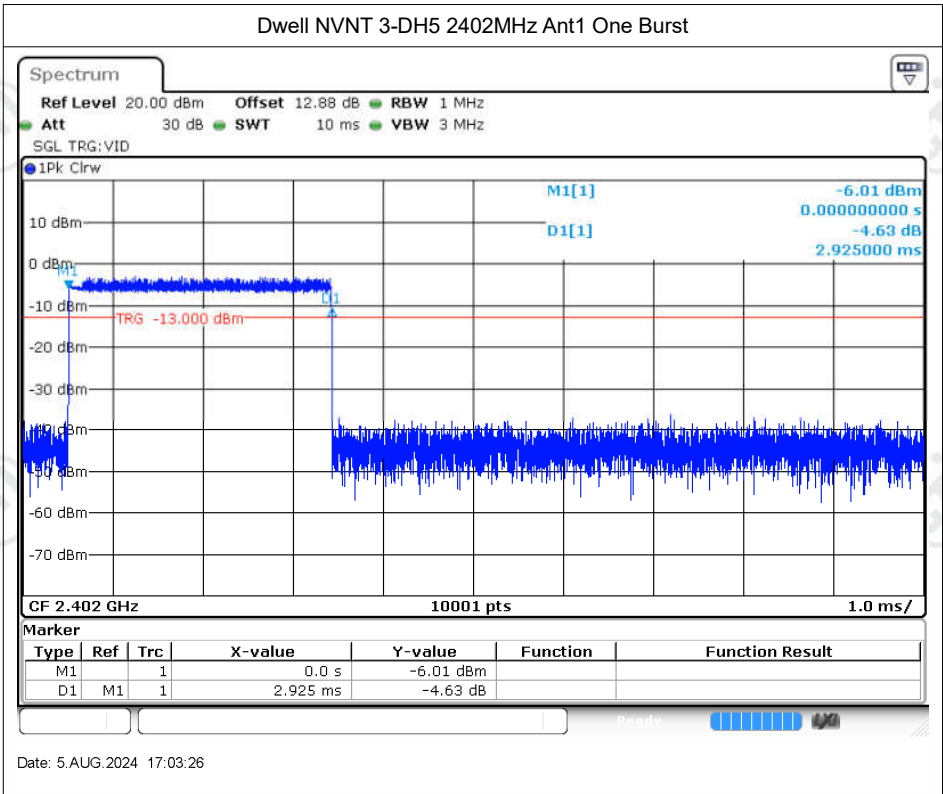






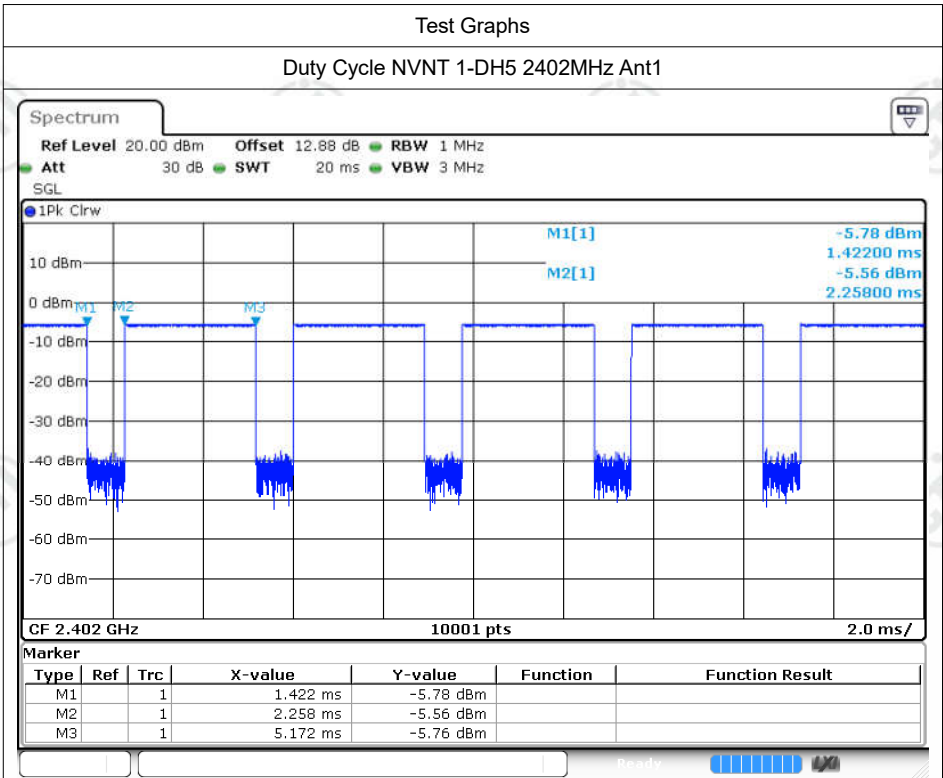




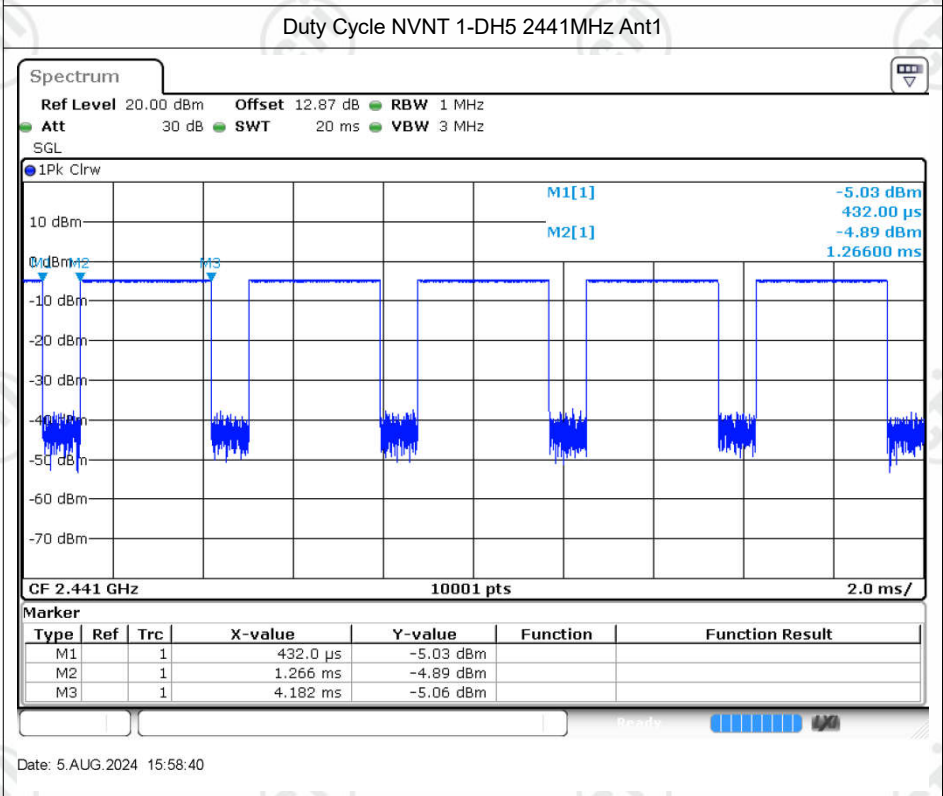


Duty Cycle

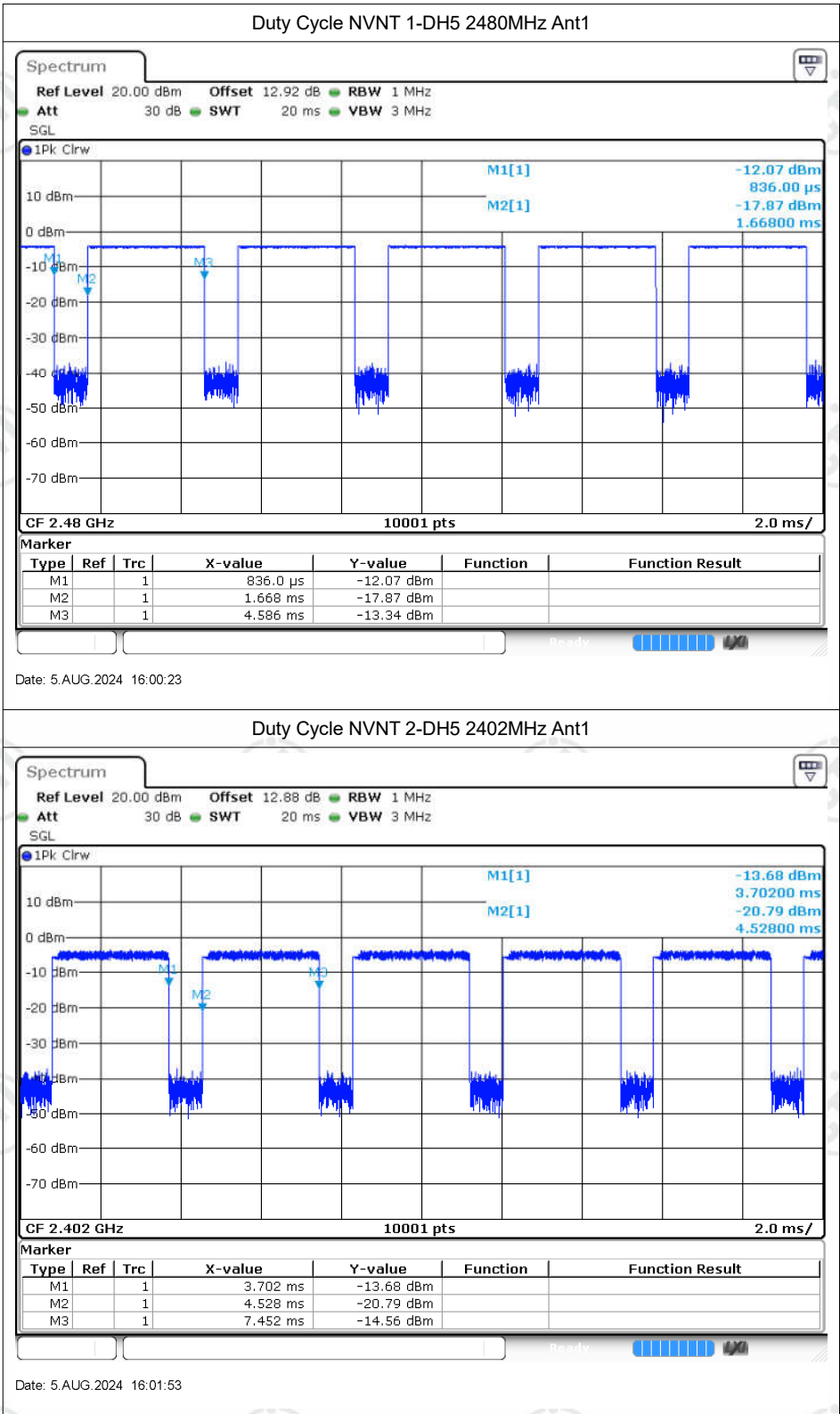
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	77.71	1.1	0.34
NVNT	1-DH5	2441	Ant1	77.76	1.09	0.34
NVNT	1-DH5	2480	Ant1	77.81	1.09	0.34
NVNT	2-DH5	2402	Ant1	77.97	1.08	0.34
NVNT	2-DH5	2441	Ant1	77.92	1.08	0.34
NVNT	2-DH5	2480	Ant1	77.92	1.08	0.34
NVNT	3-DH5	2402	Ant1	78.03	1.08	0.34
NVNT	3-DH5	2441	Ant1	78	1.08	0.34
NVNT	3-DH5	2480	Ant1	78.07	1.08	0.34

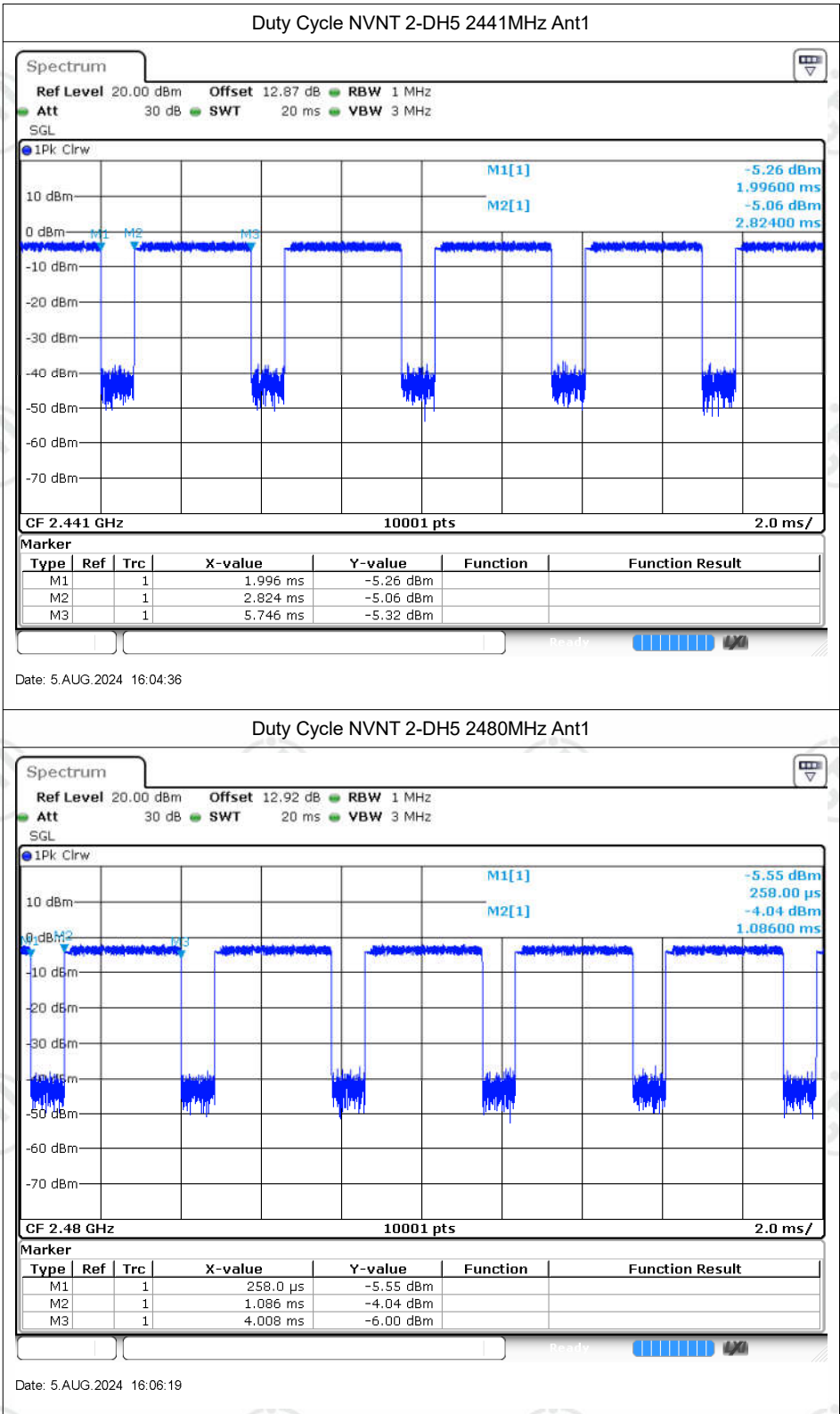


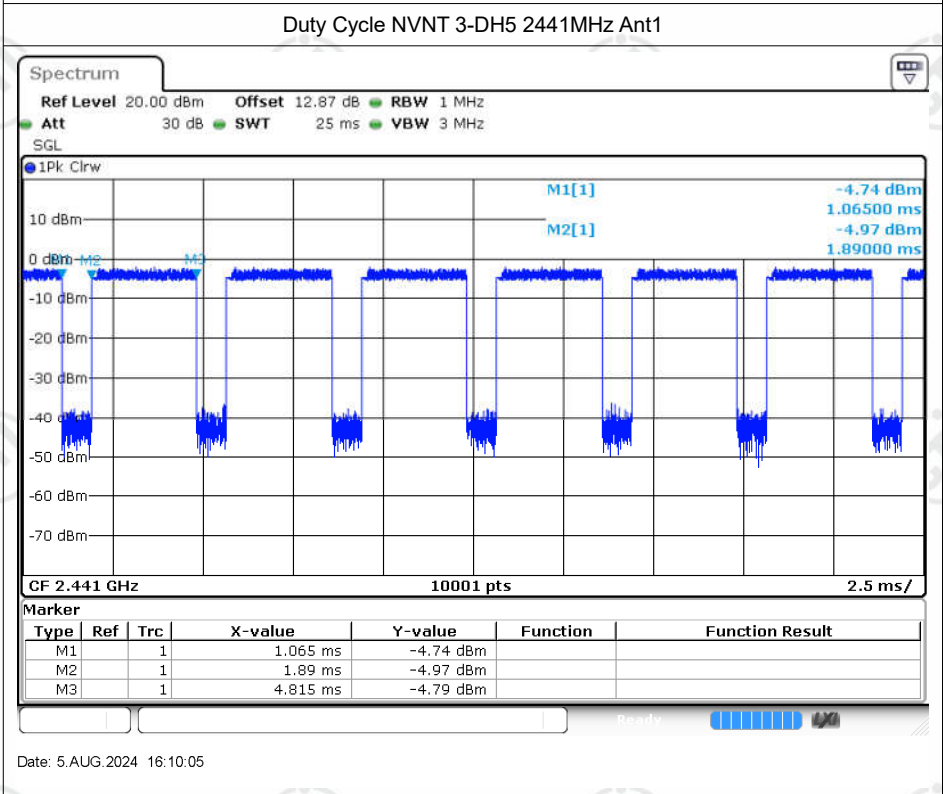
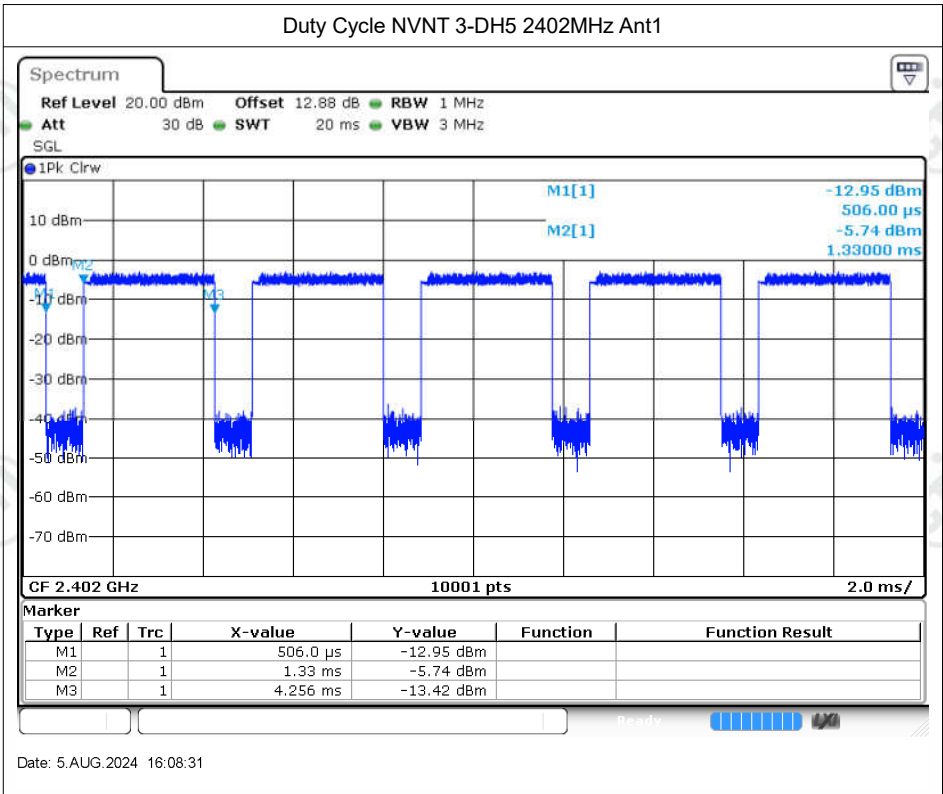
Date: 5.AUG.2024 15:55:22

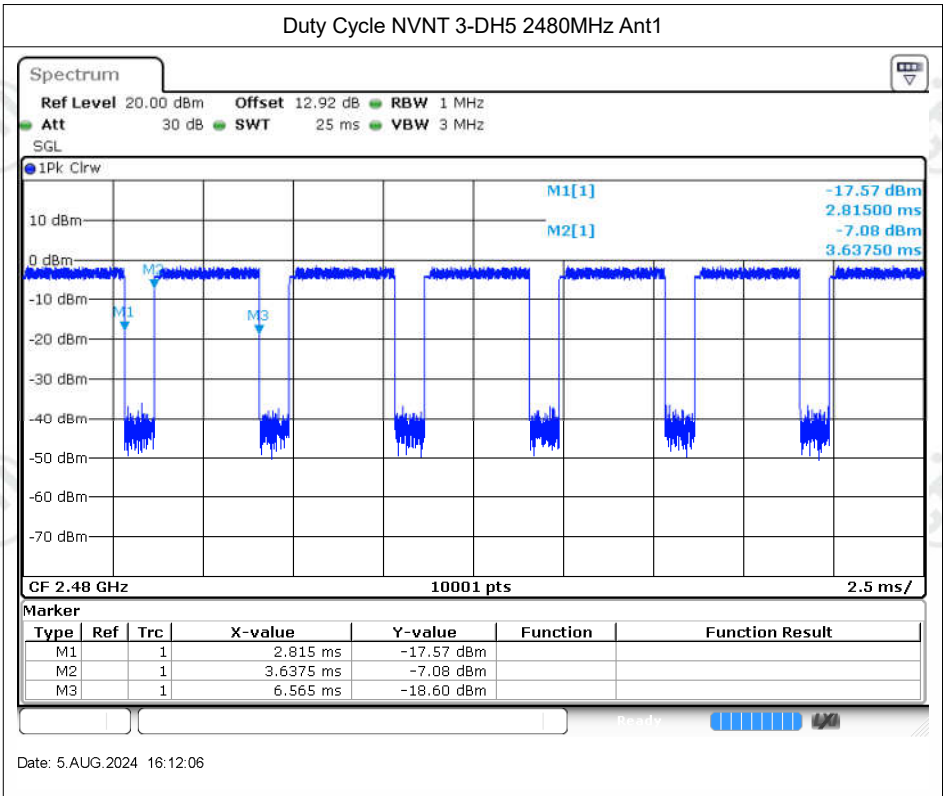


Date: 5.AUG.2024 15:58:40



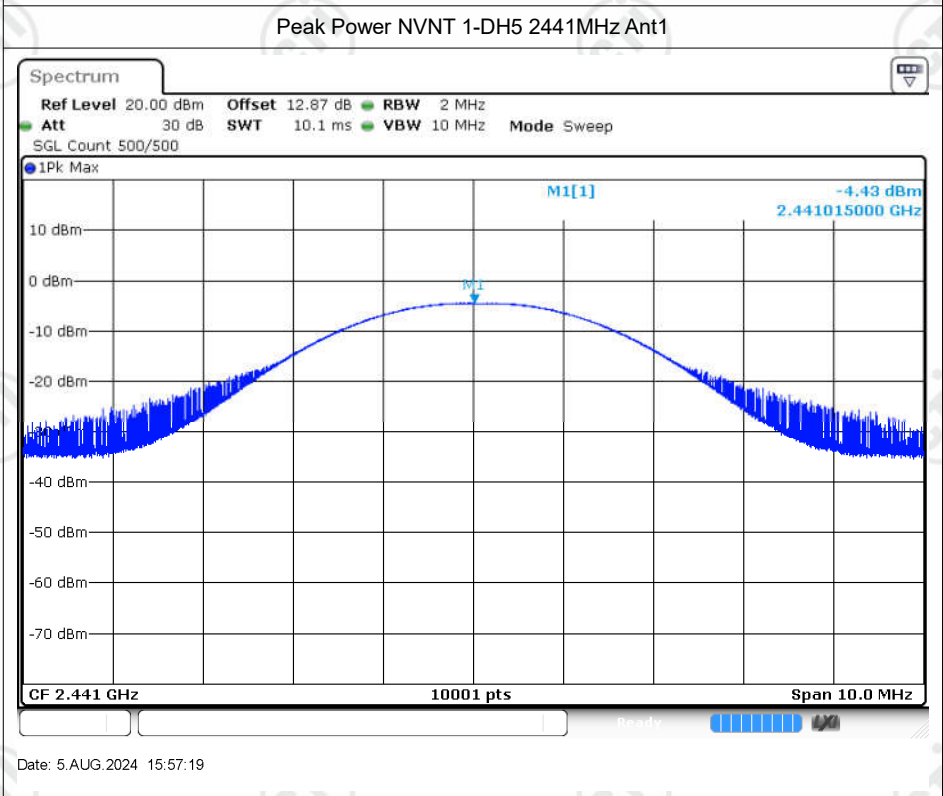
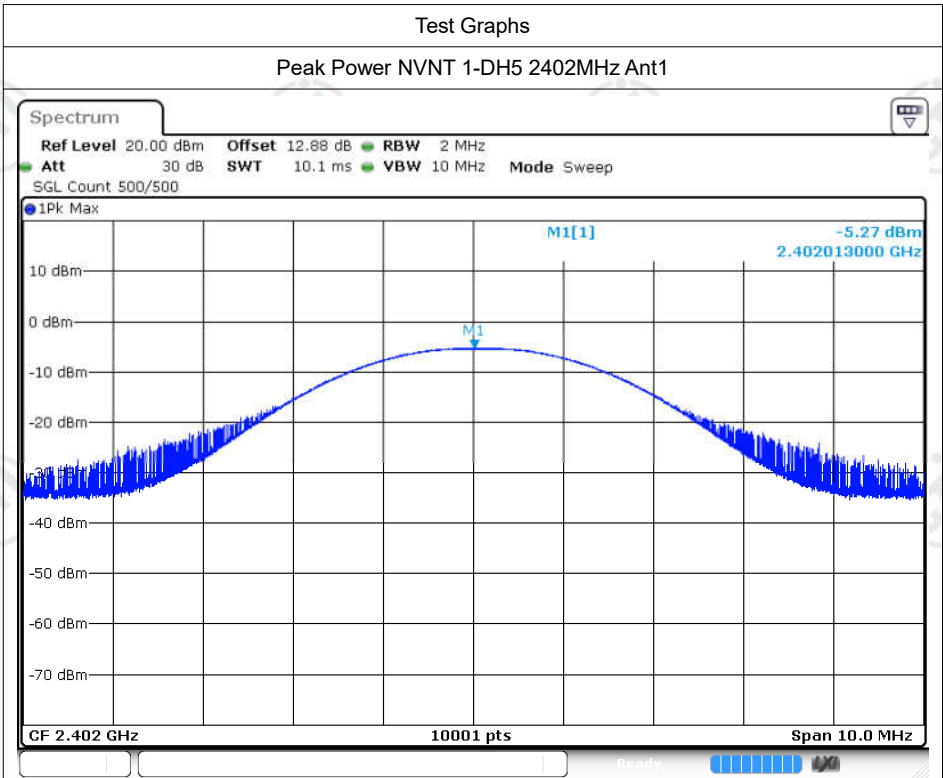


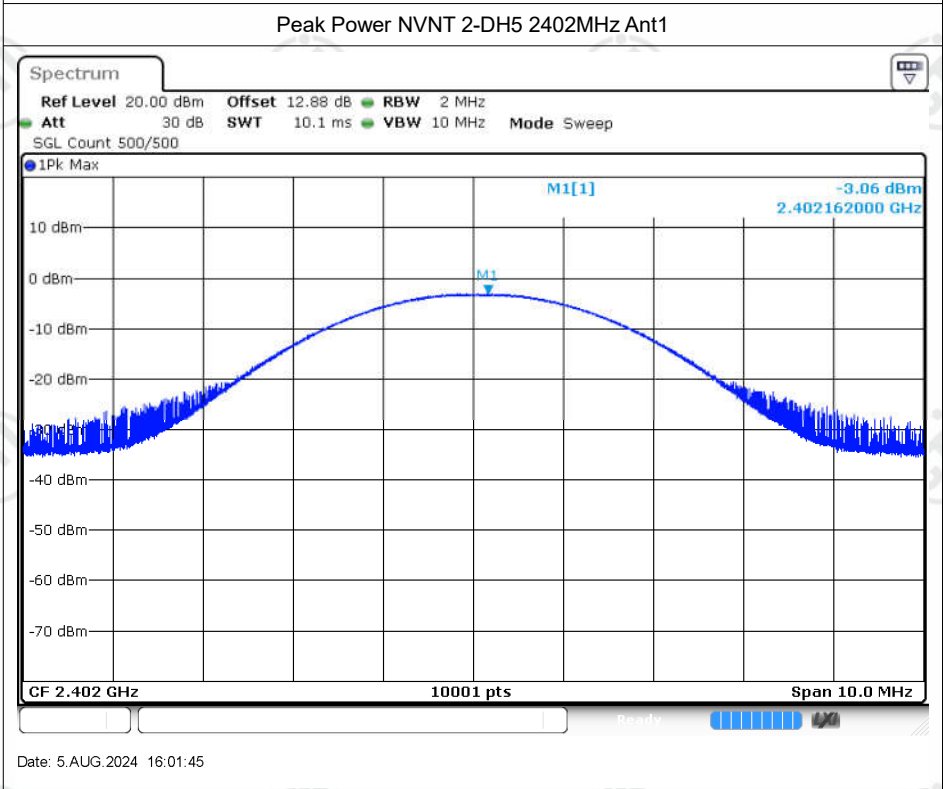
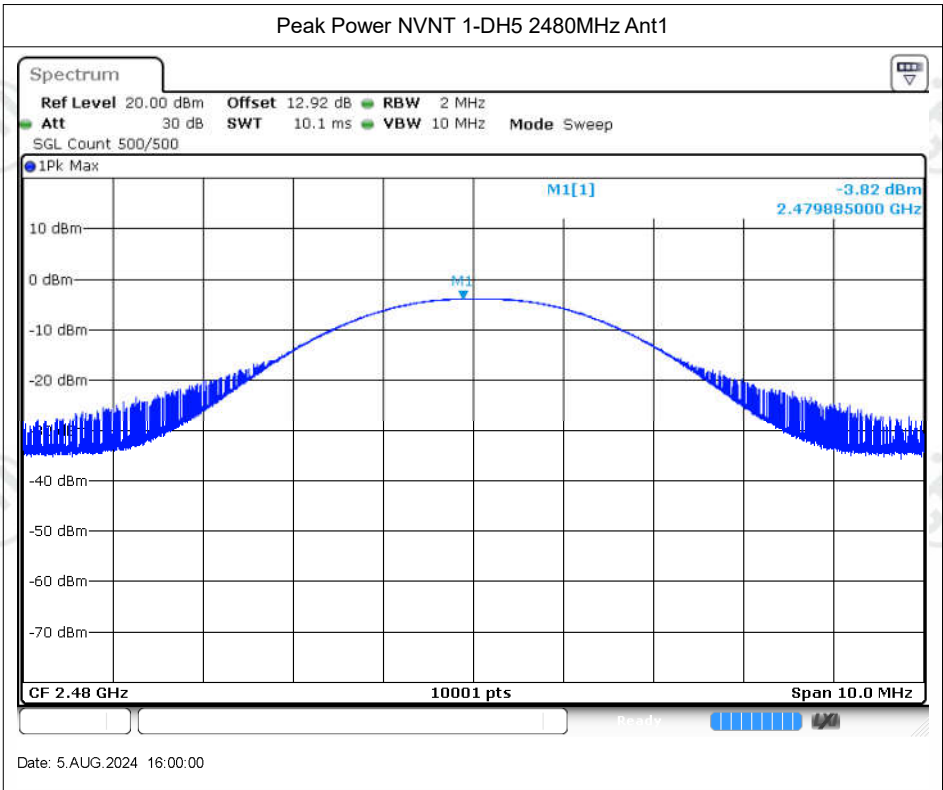


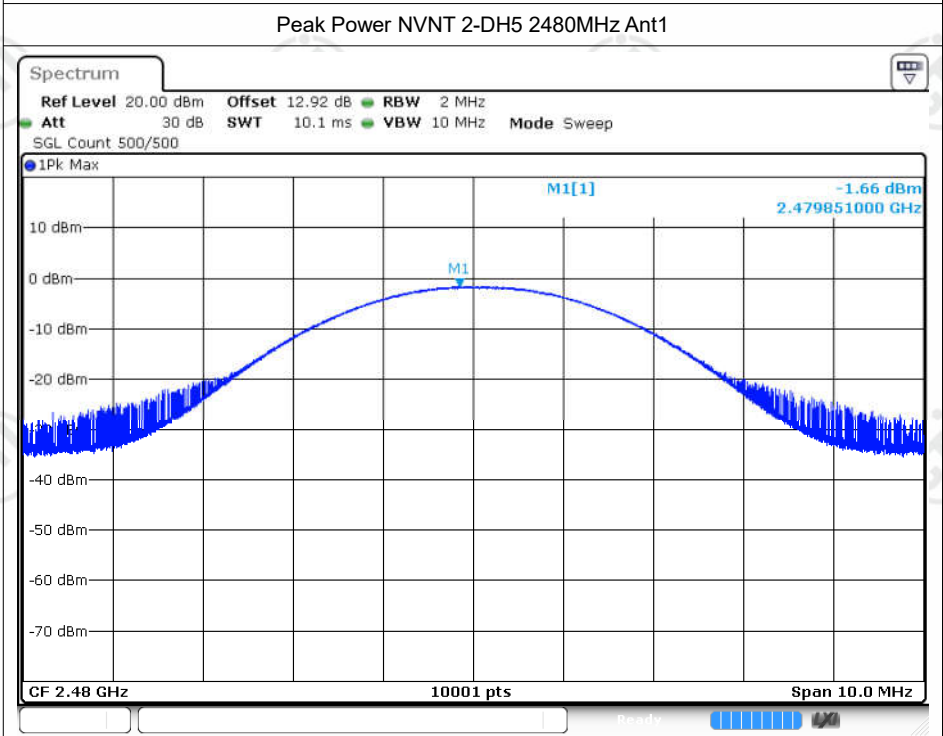
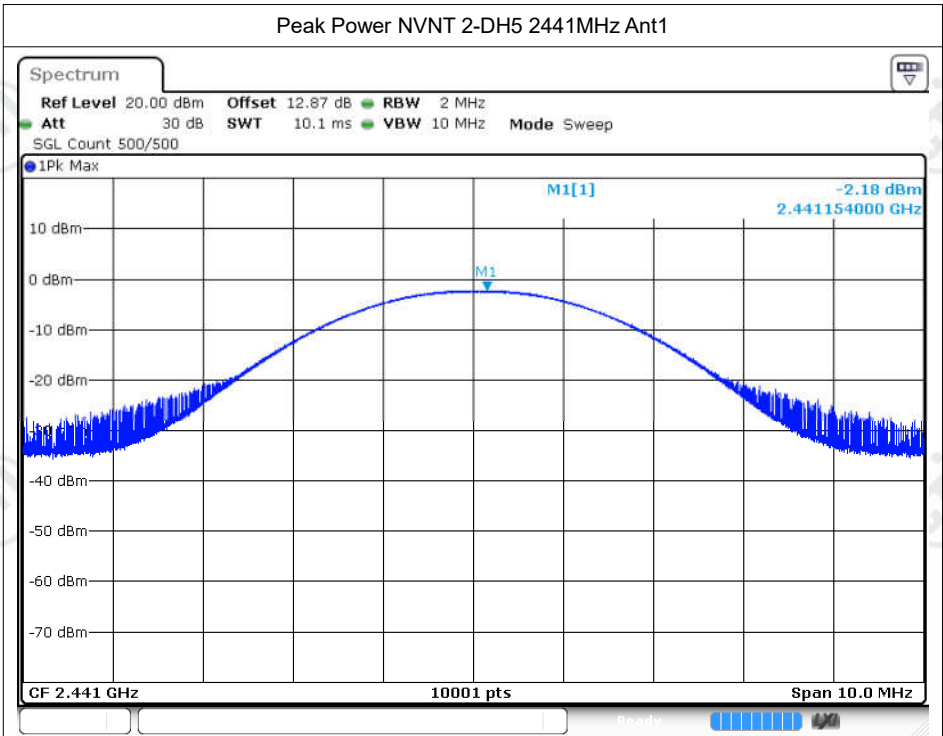


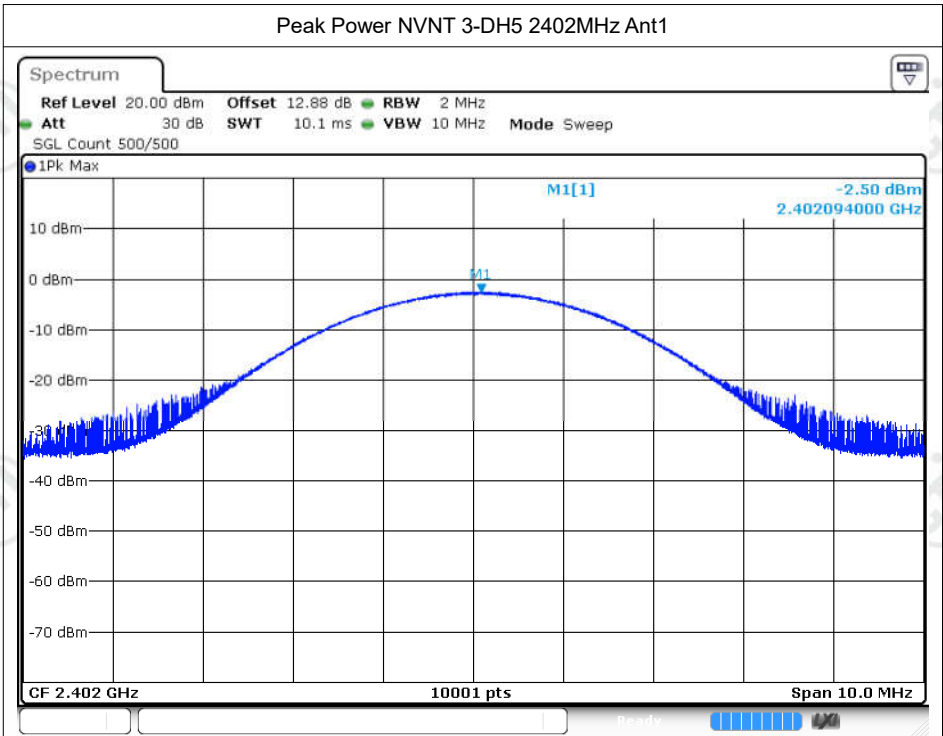
Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-5.27	0	-5.27	21	Pass
NVNT	1-DH5	2441	Ant1	-4.43	0	-4.43	21	Pass
NVNT	1-DH5	2480	Ant1	-3.82	0	-3.82	21	Pass
NVNT	2-DH5	2402	Ant1	-3.06	0	-3.06	21	Pass
NVNT	2-DH5	2441	Ant1	-2.18	0	-2.18	21	Pass
NVNT	2-DH5	2480	Ant1	-1.66	0	-1.66	21	Pass
NVNT	3-DH5	2402	Ant1	-2.5	0	-2.5	21	Pass
NVNT	3-DH5	2441	Ant1	-1.63	0	-1.63	21	Pass
NVNT	3-DH5	2480	Ant1	-1.13	0	-1.13	21	Pass

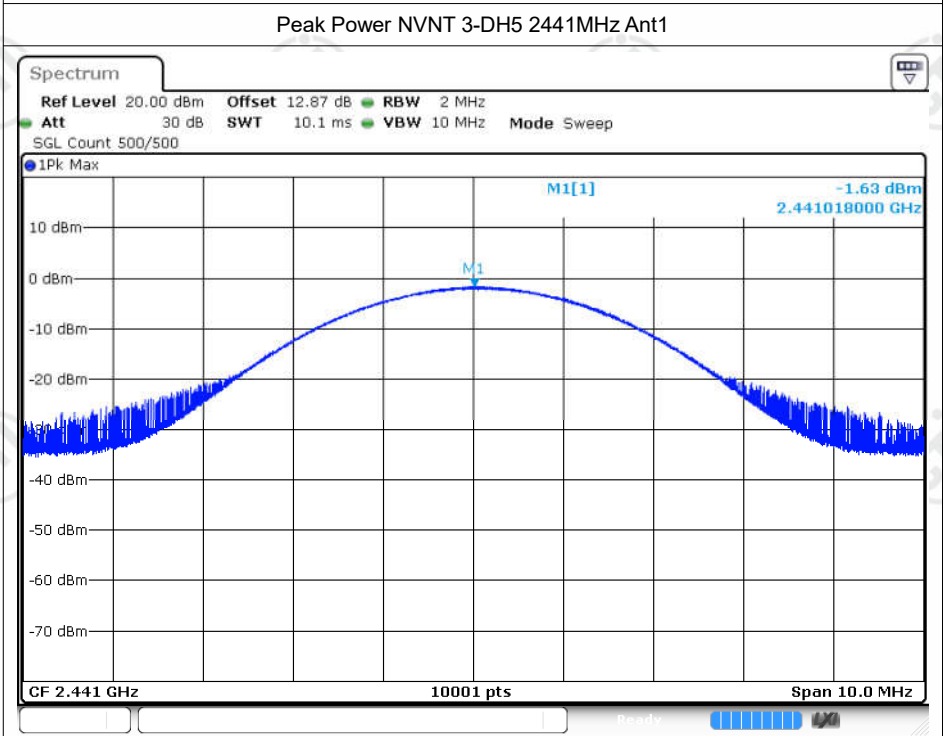




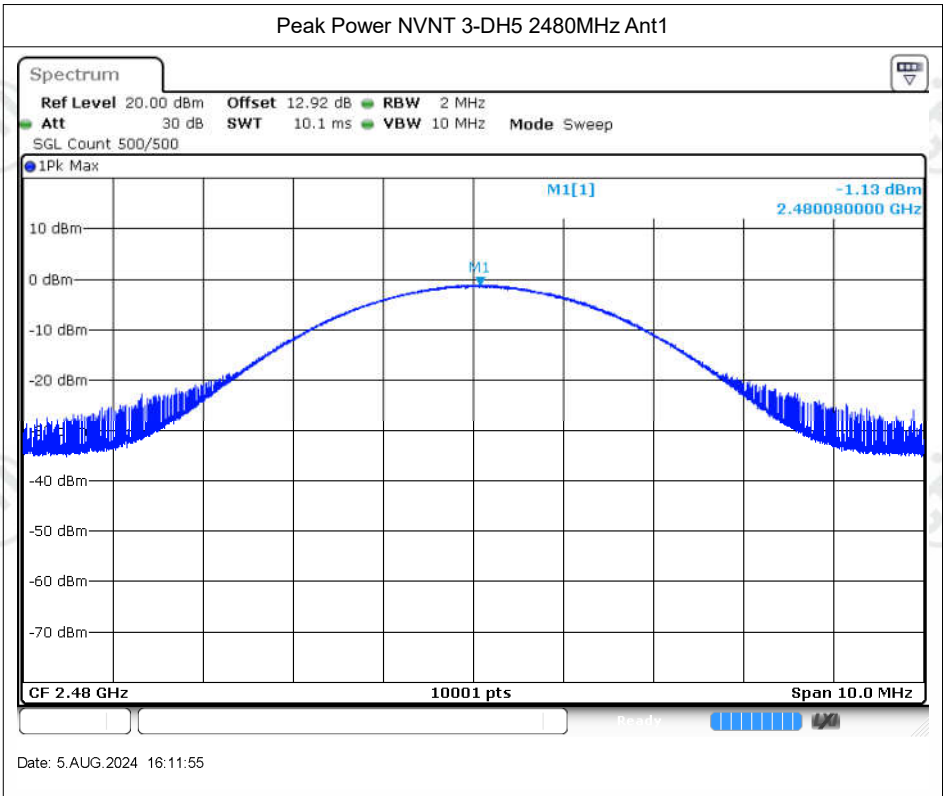




Date: 5.AUG.2024 16:08:26

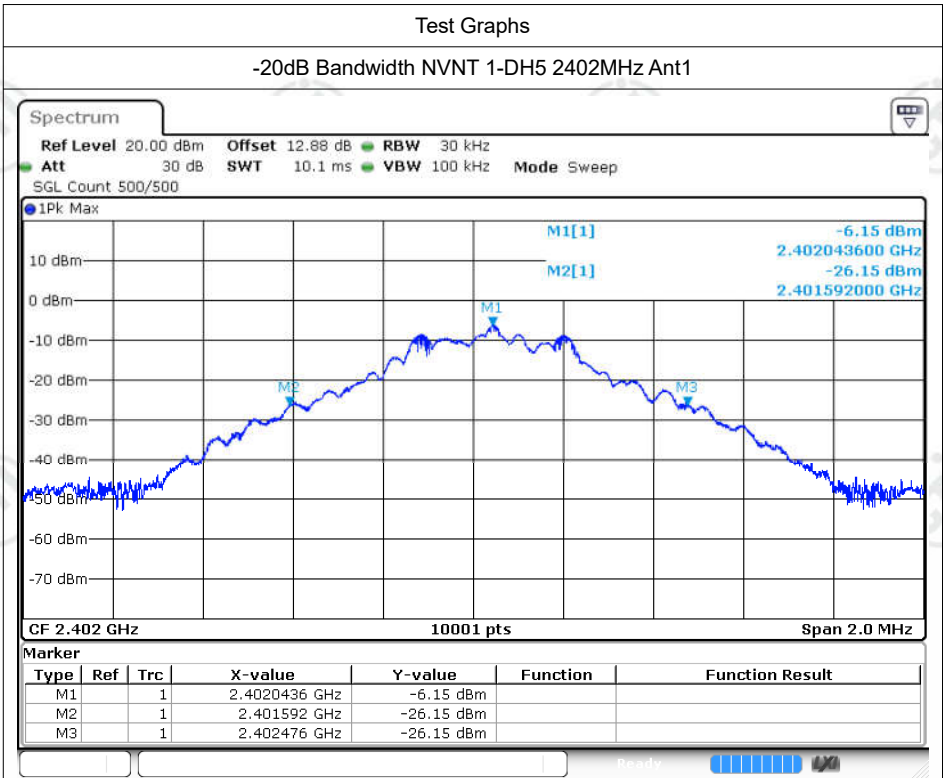


Date: 5.AUG.2024 16:09:59

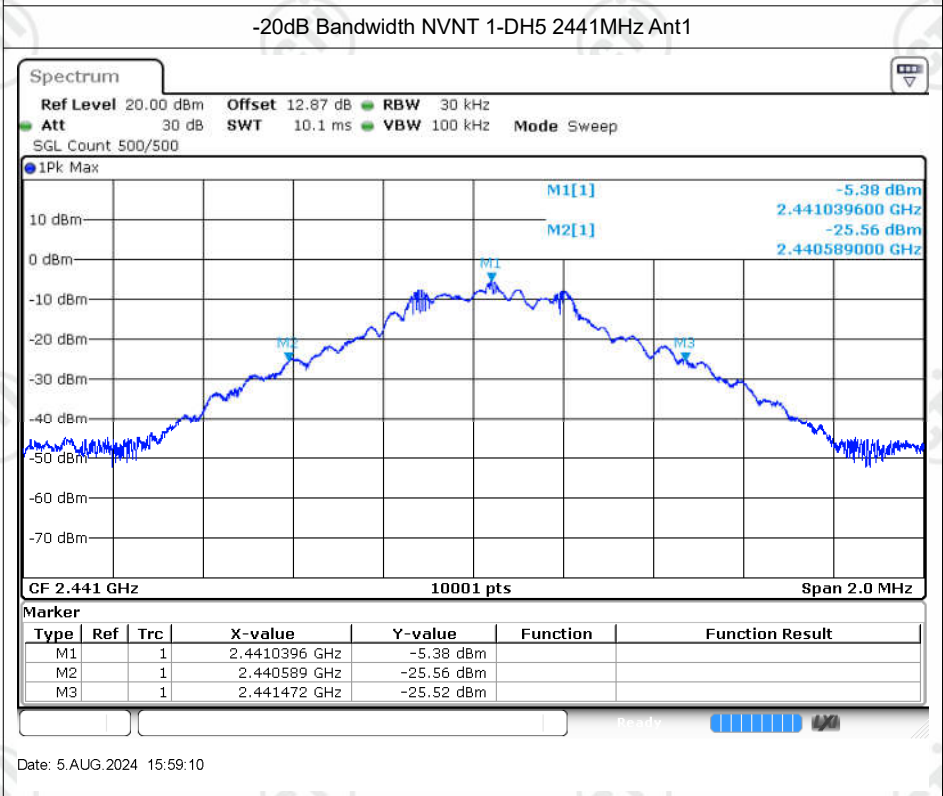


-20dB Bandwidth

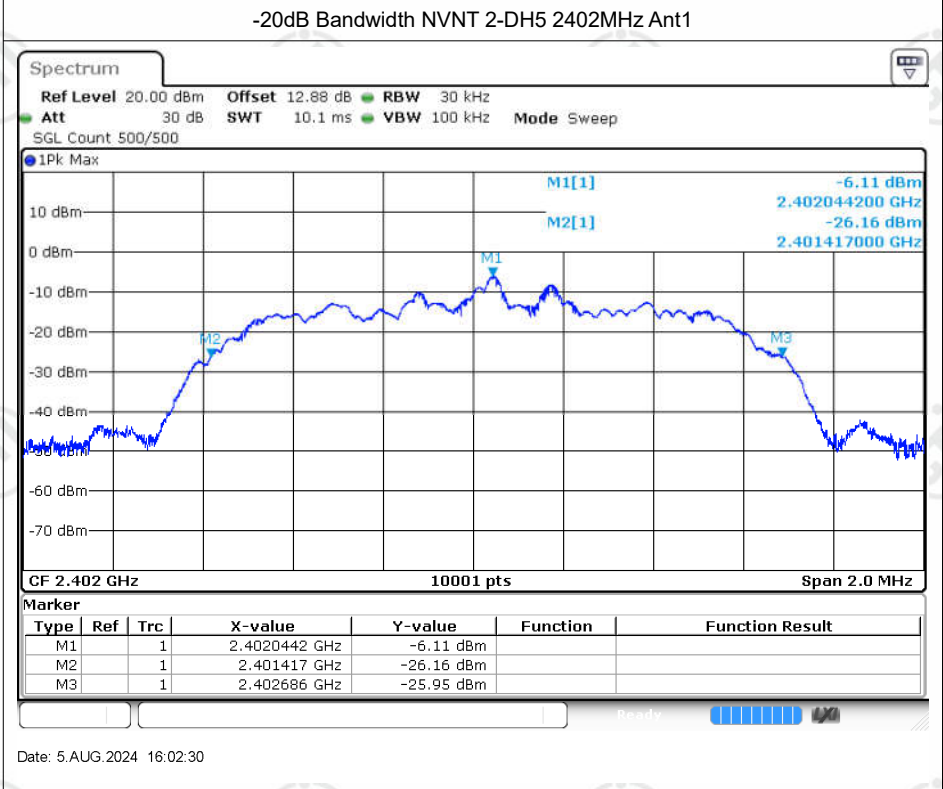
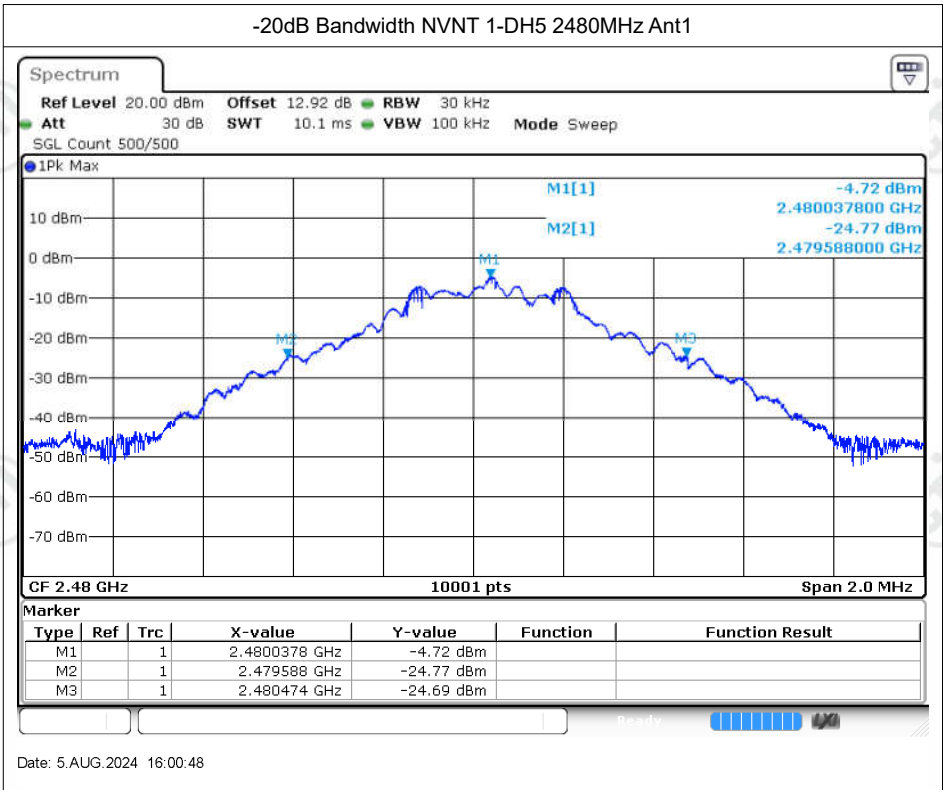
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.884	Pass
NVNT	1-DH5	2441	Ant1	0.882	Pass
NVNT	1-DH5	2480	Ant1	0.886	Pass
NVNT	2-DH5	2402	Ant1	1.269	Pass
NVNT	2-DH5	2441	Ant1	1.275	Pass
NVNT	2-DH5	2480	Ant1	1.271	Pass
NVNT	3-DH5	2402	Ant1	1.272	Pass
NVNT	3-DH5	2441	Ant1	1.276	Pass
NVNT	3-DH5	2480	Ant1	1.274	Pass

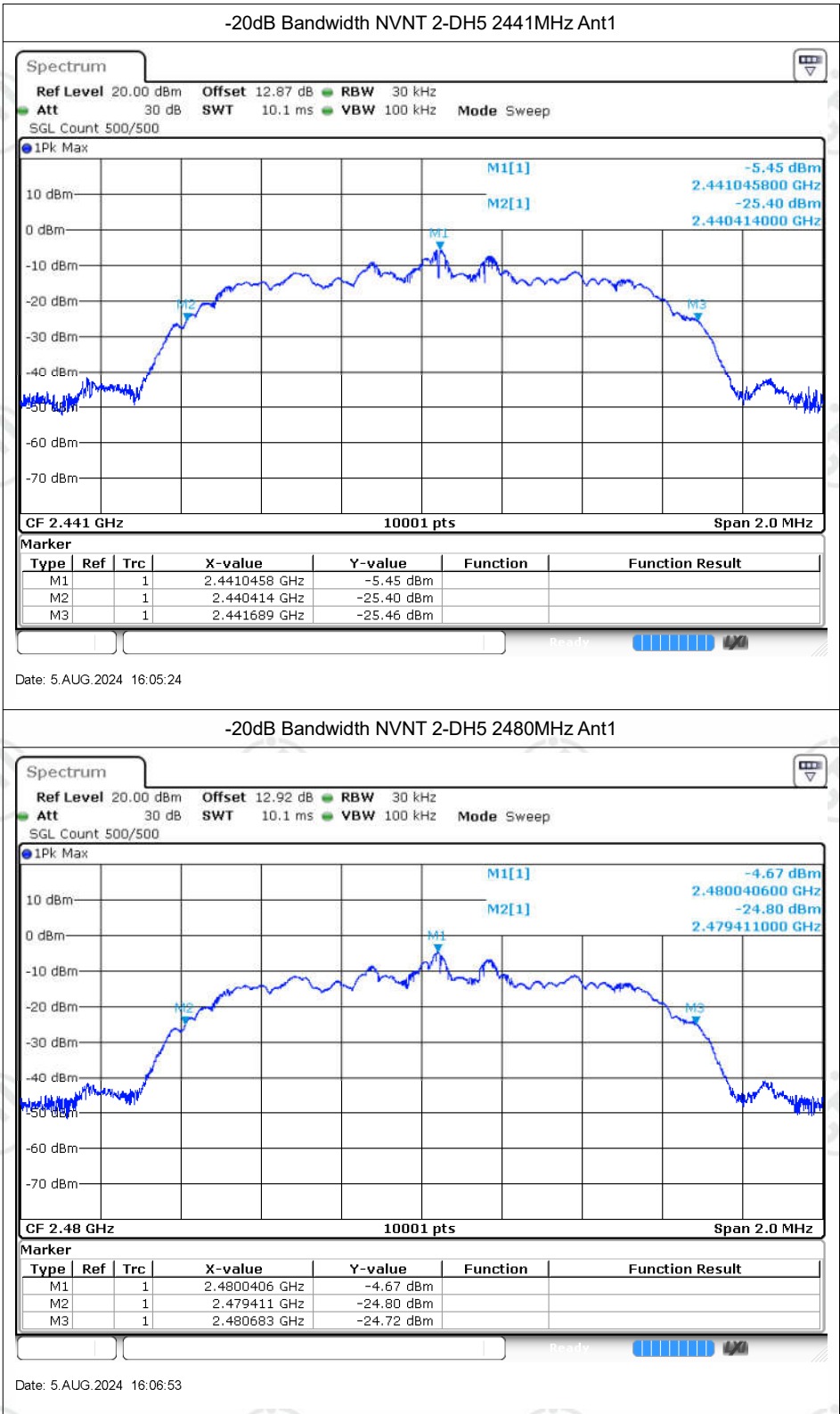


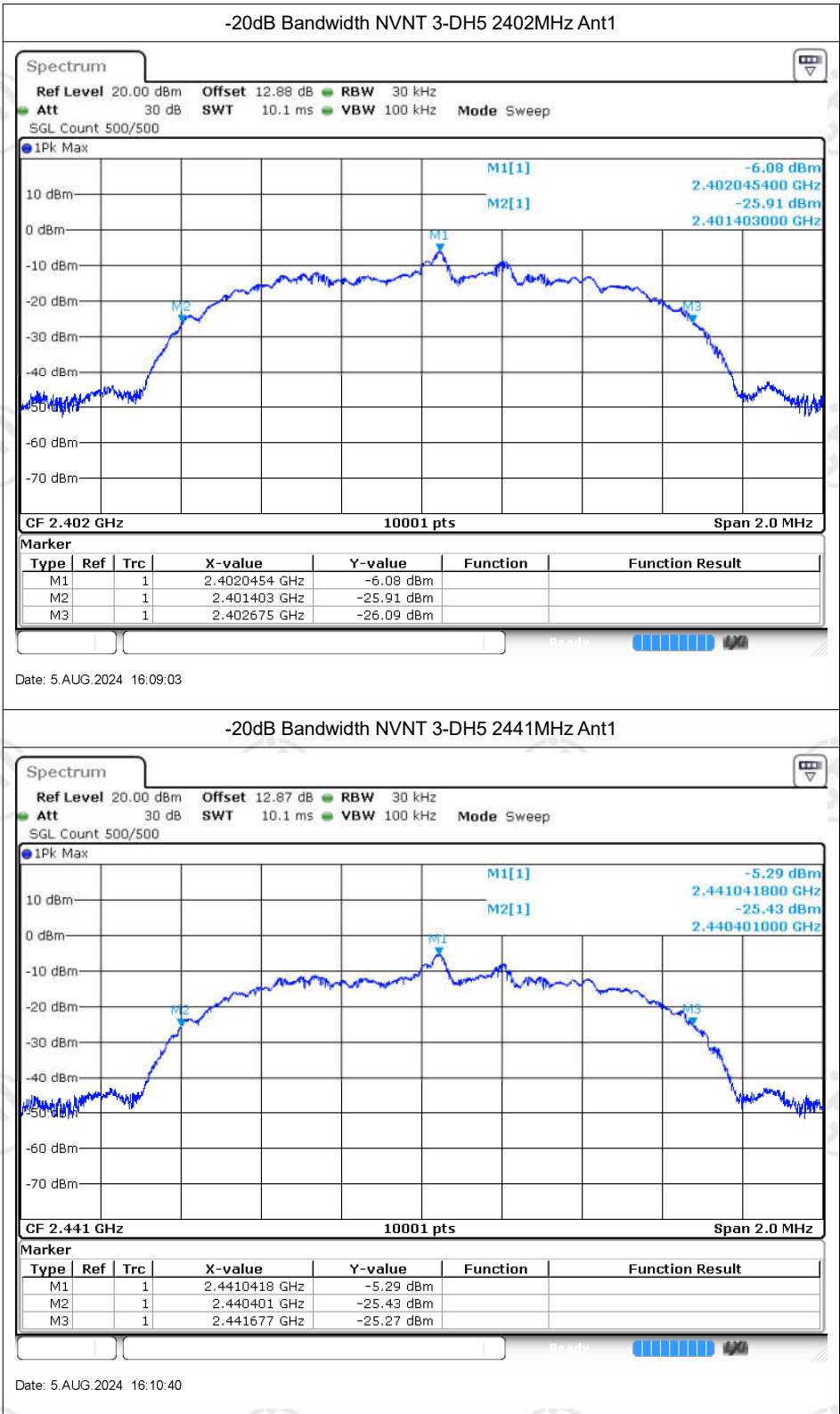
Date: 5.AUG.2024 15:56:01

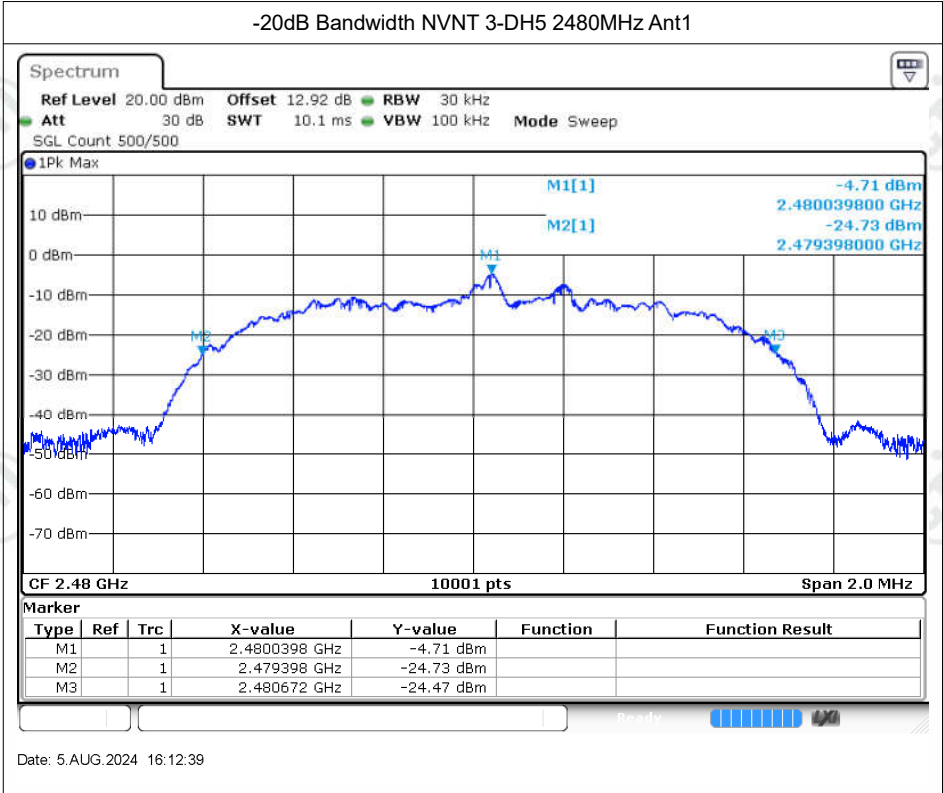


Date: 5.AUG.2024 15:59:10



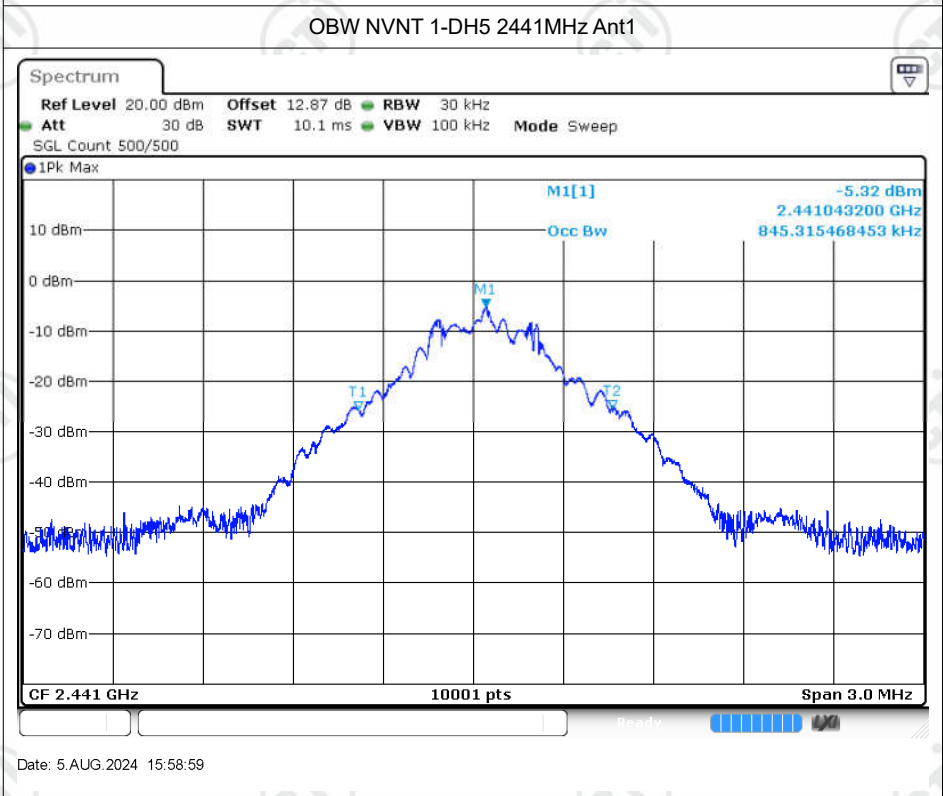
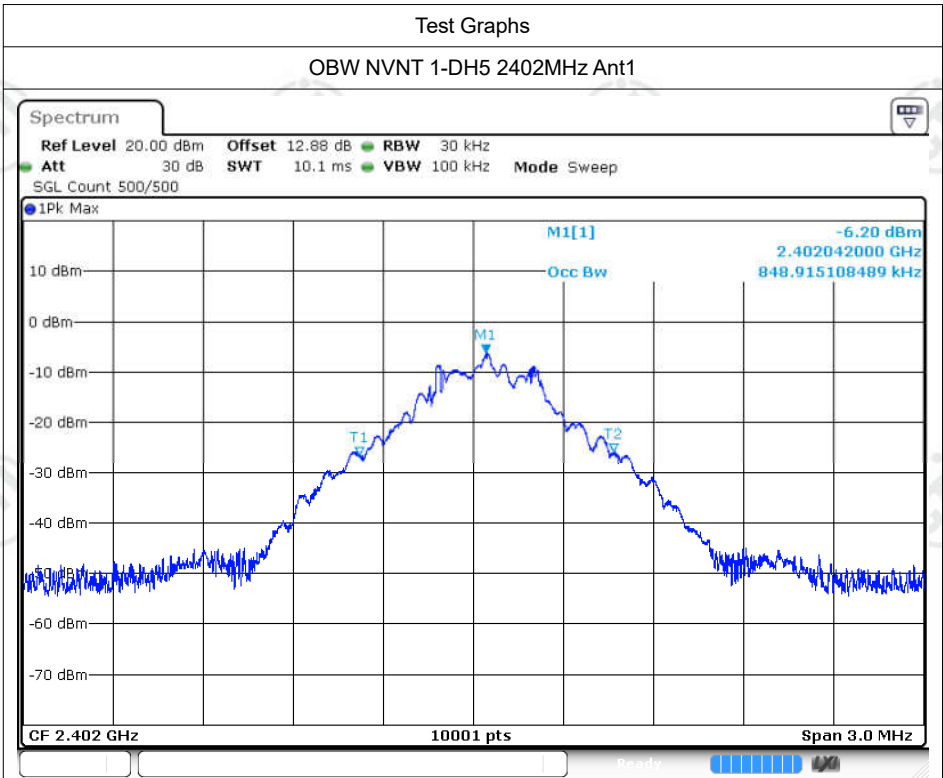


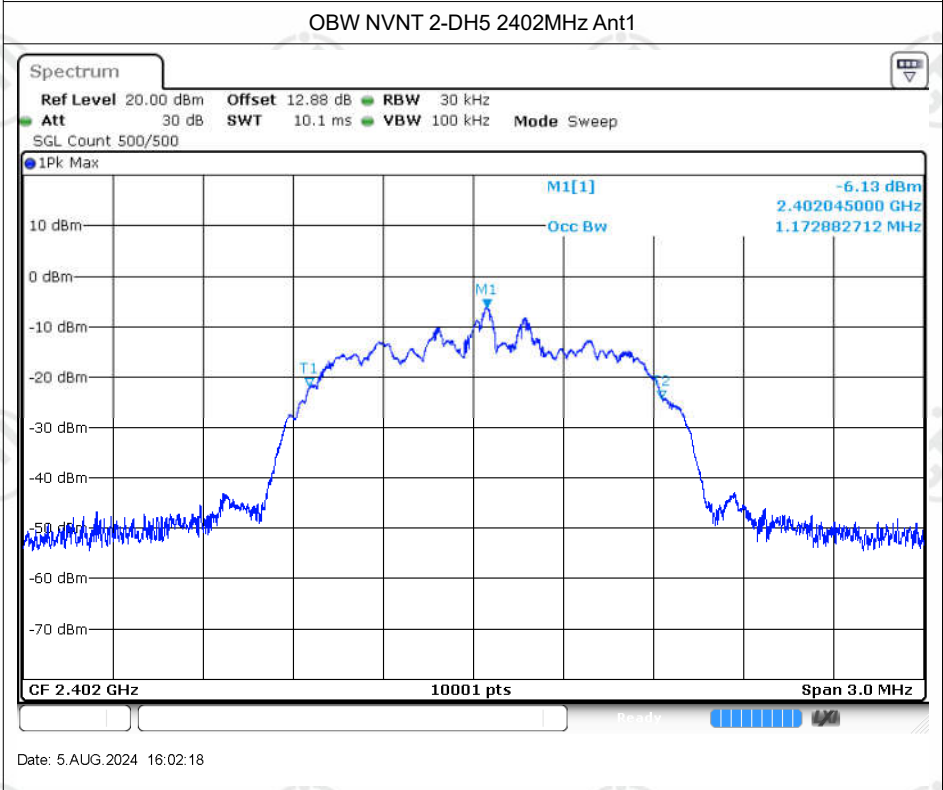
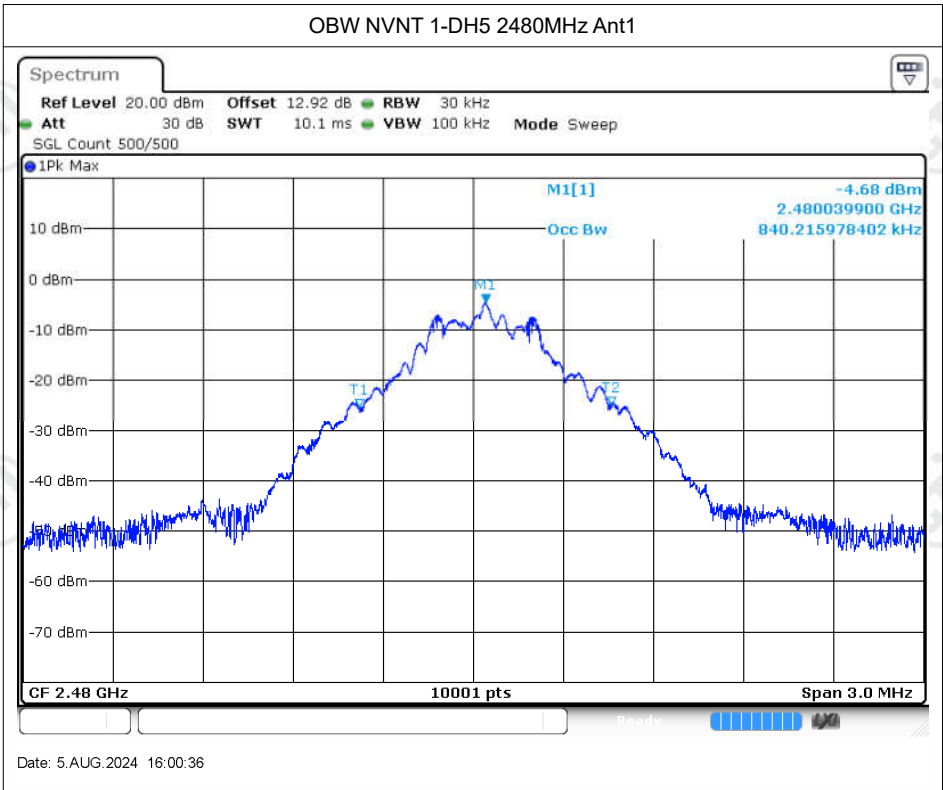


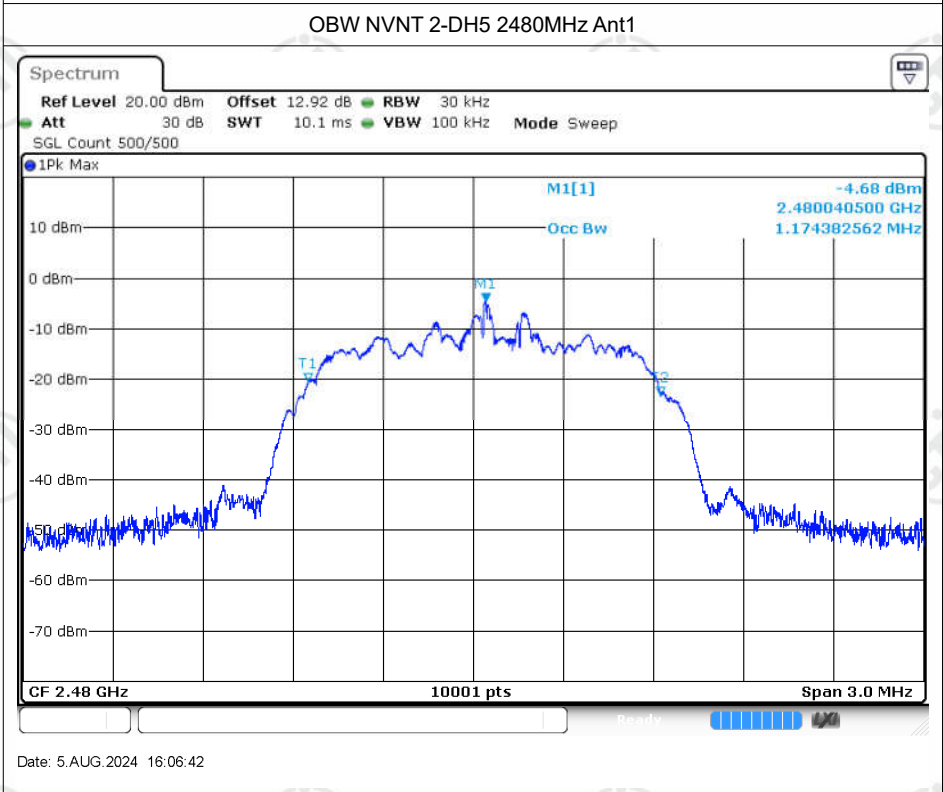
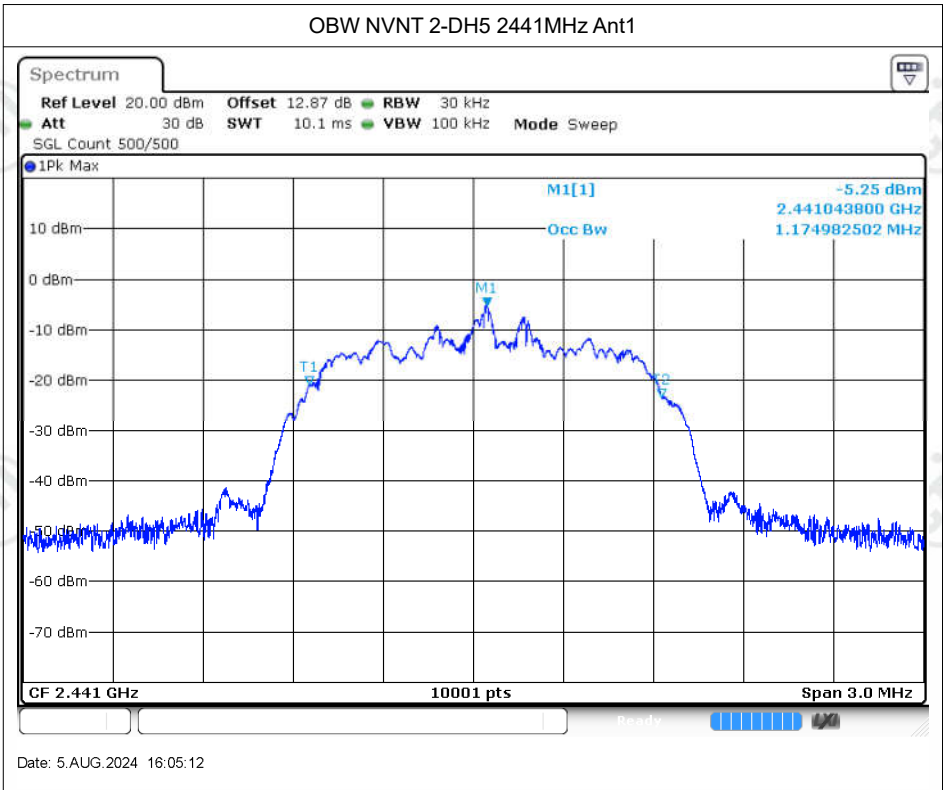


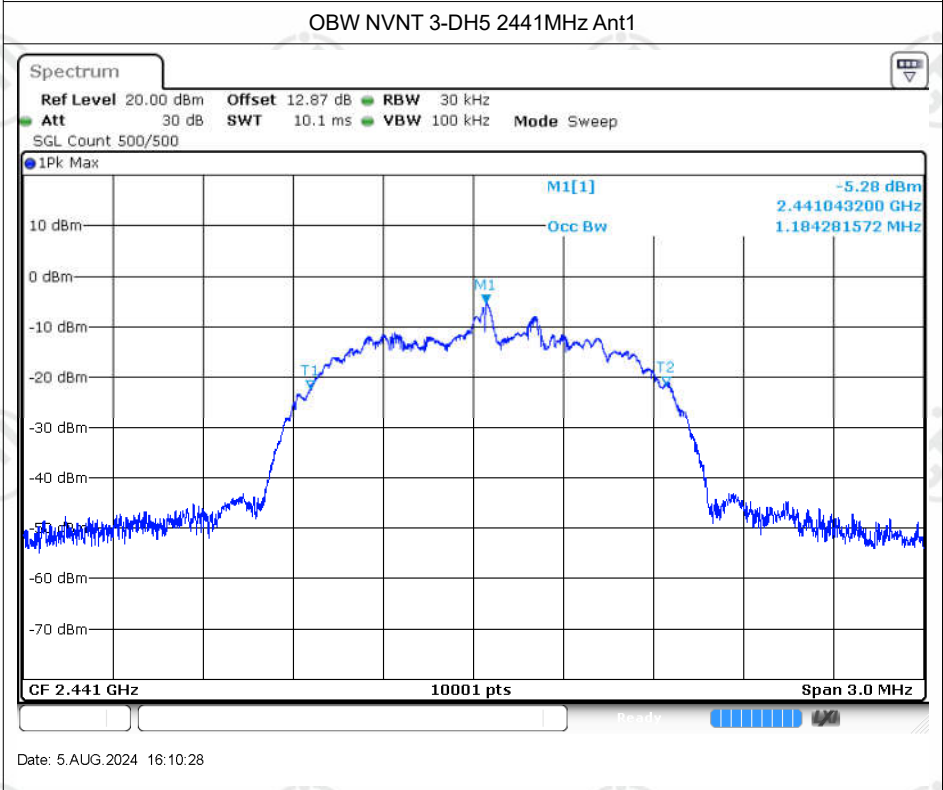
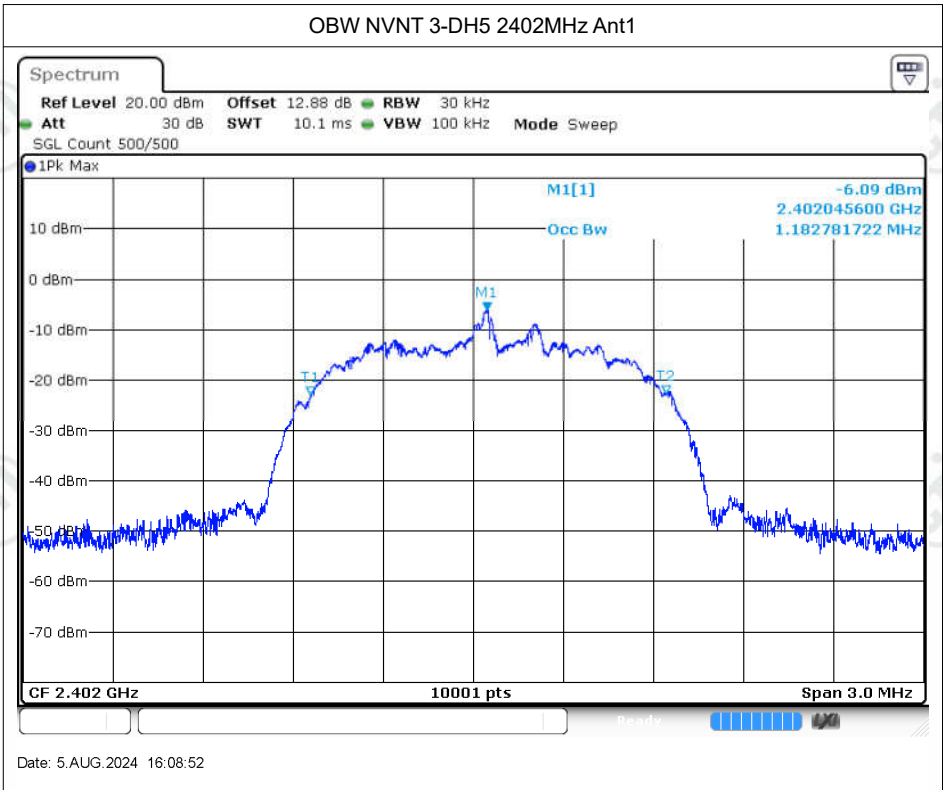
Occupied Channel Bandwidth

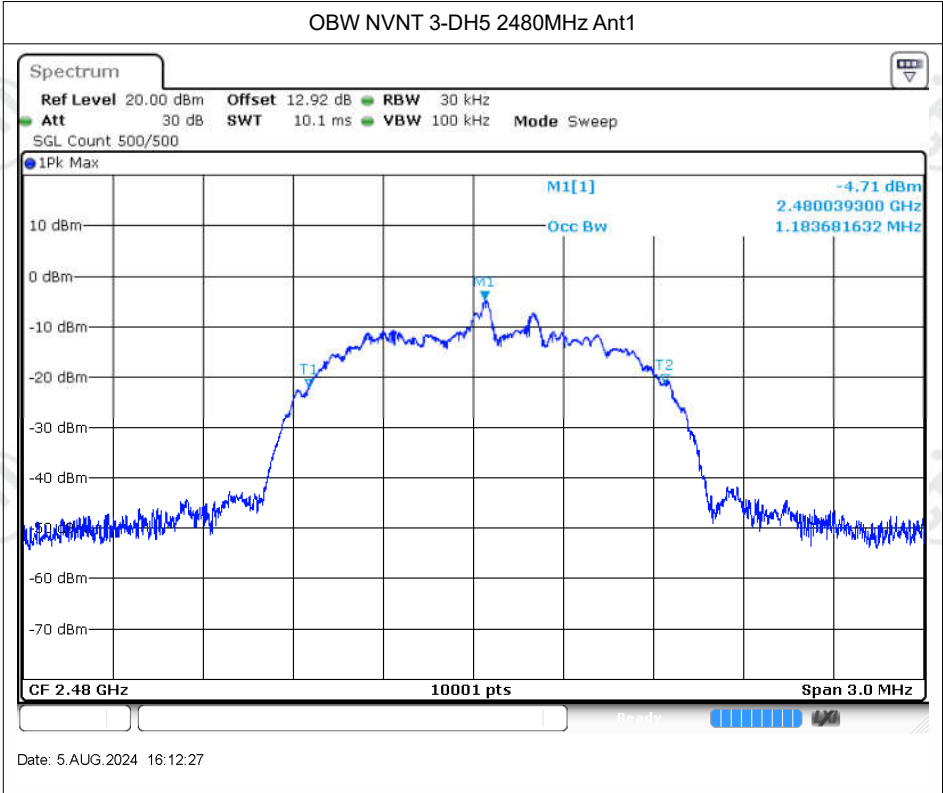
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.849
NVNT	1-DH5	2441	Ant1	0.845
NVNT	1-DH5	2480	Ant1	0.84
NVNT	2-DH5	2402	Ant1	1.173
NVNT	2-DH5	2441	Ant1	1.175
NVNT	2-DH5	2480	Ant1	1.174
NVNT	3-DH5	2402	Ant1	1.183
NVNT	3-DH5	2441	Ant1	1.184
NVNT	3-DH5	2480	Ant1	1.184





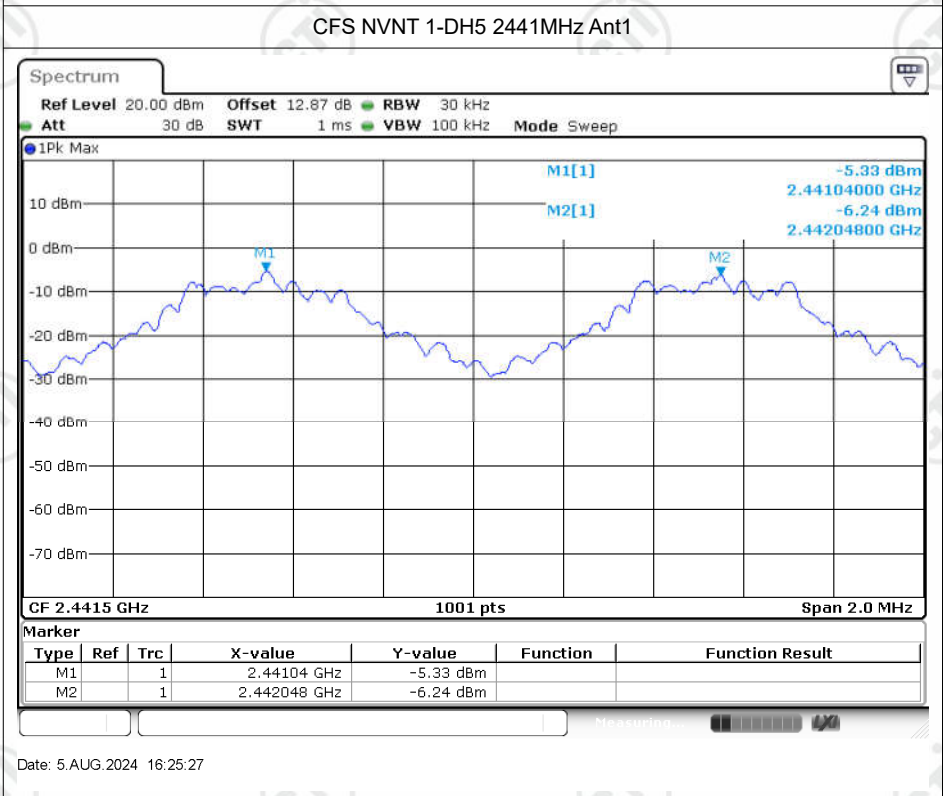
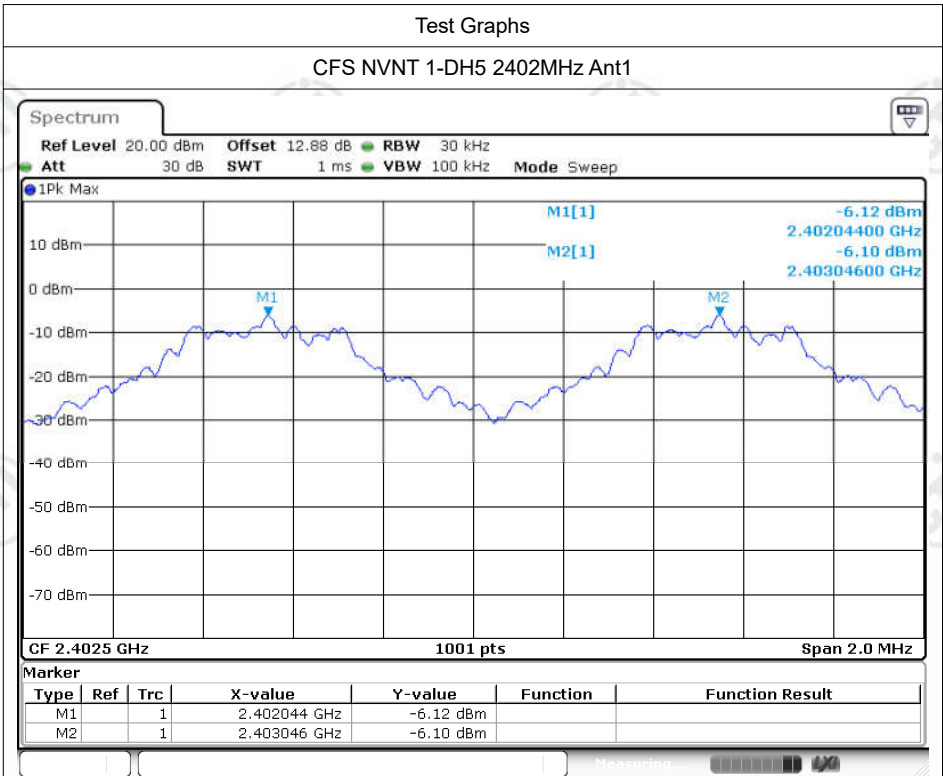


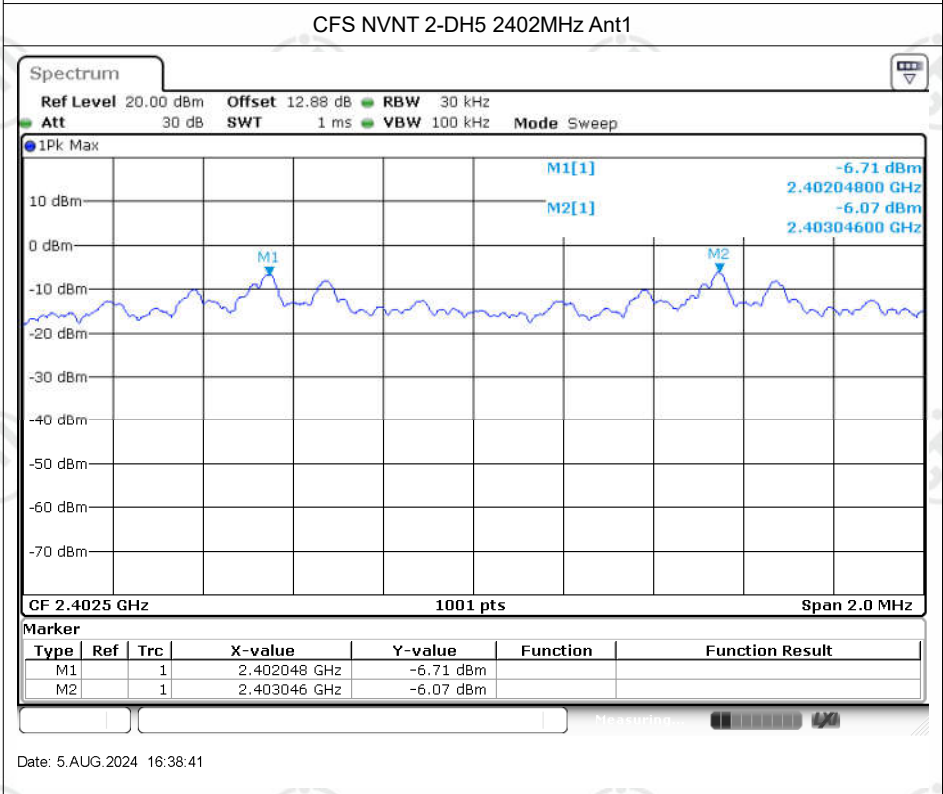
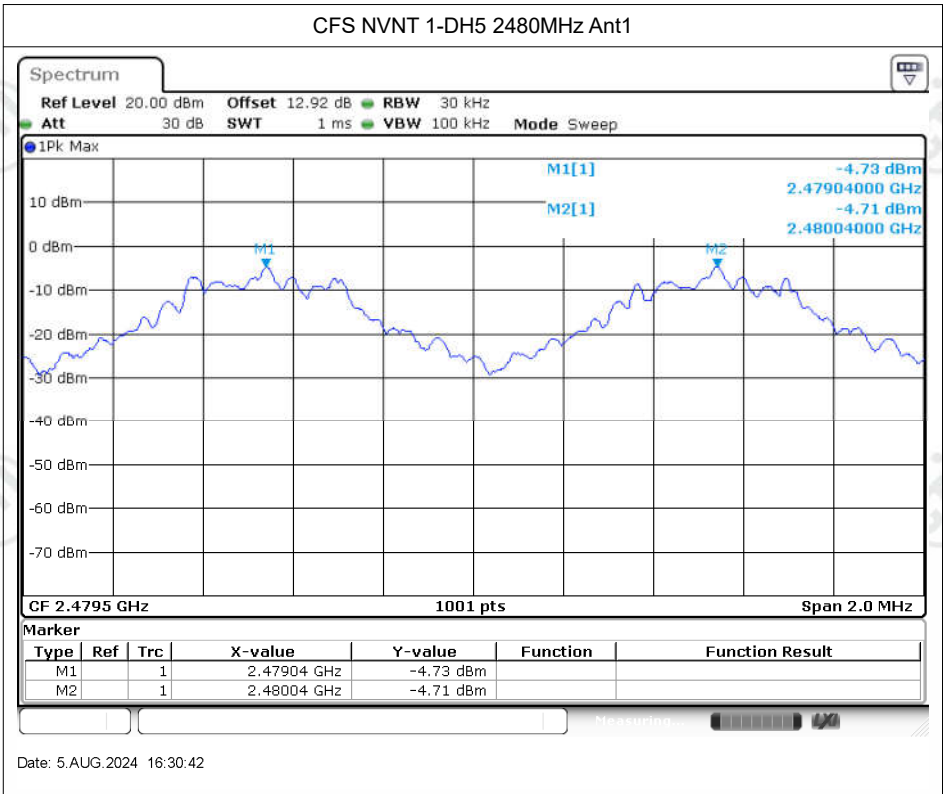


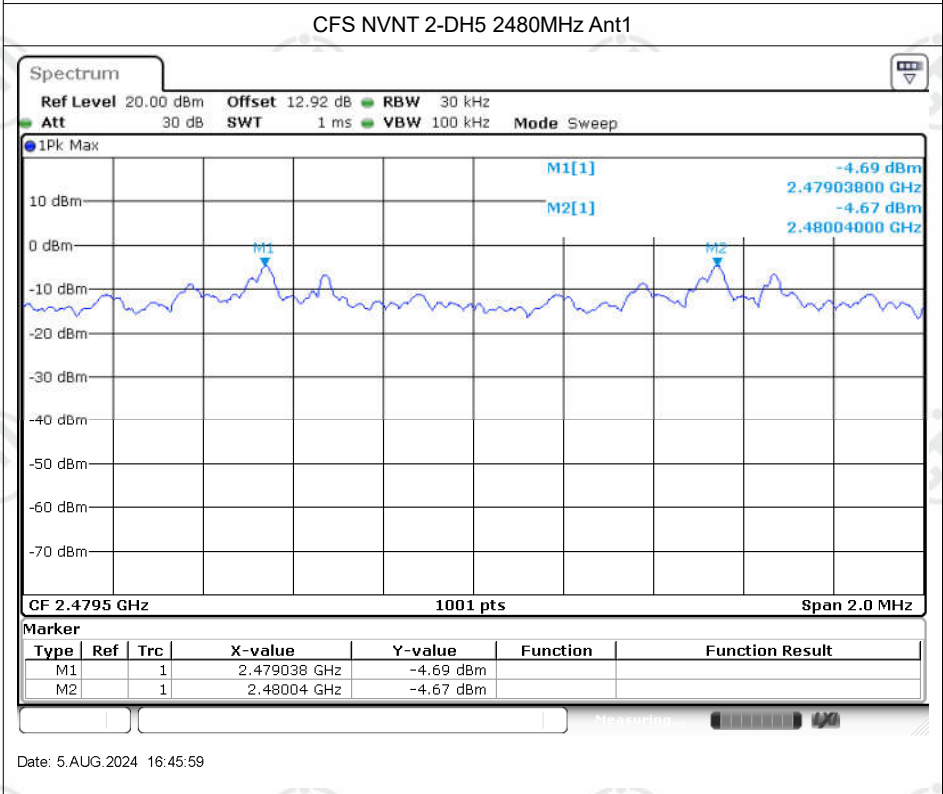
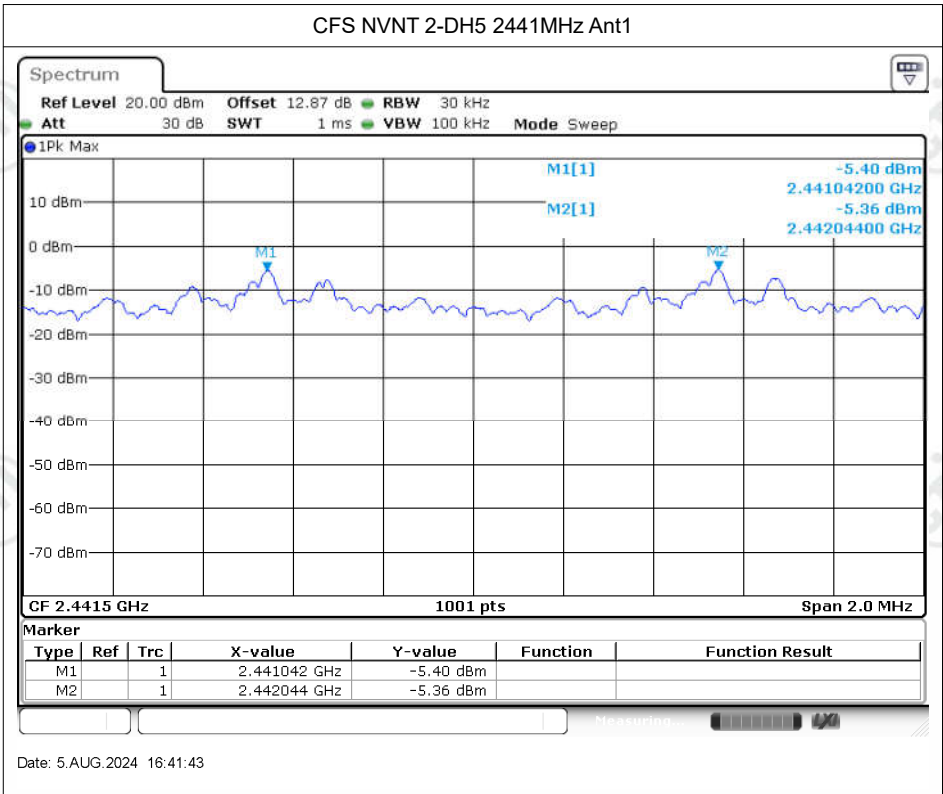


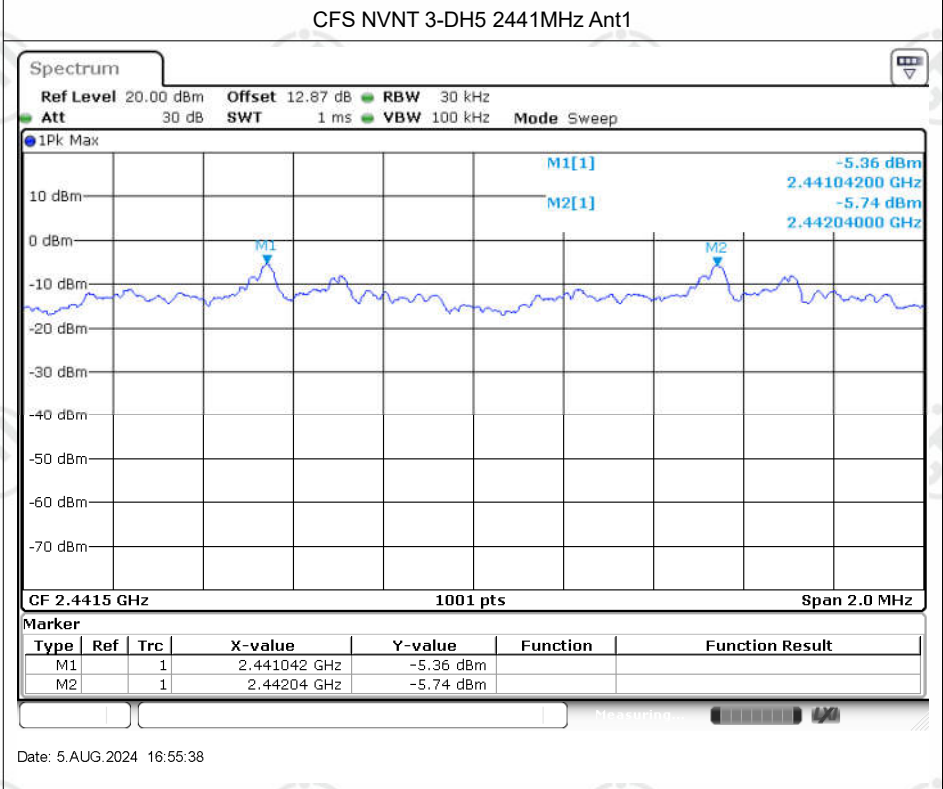
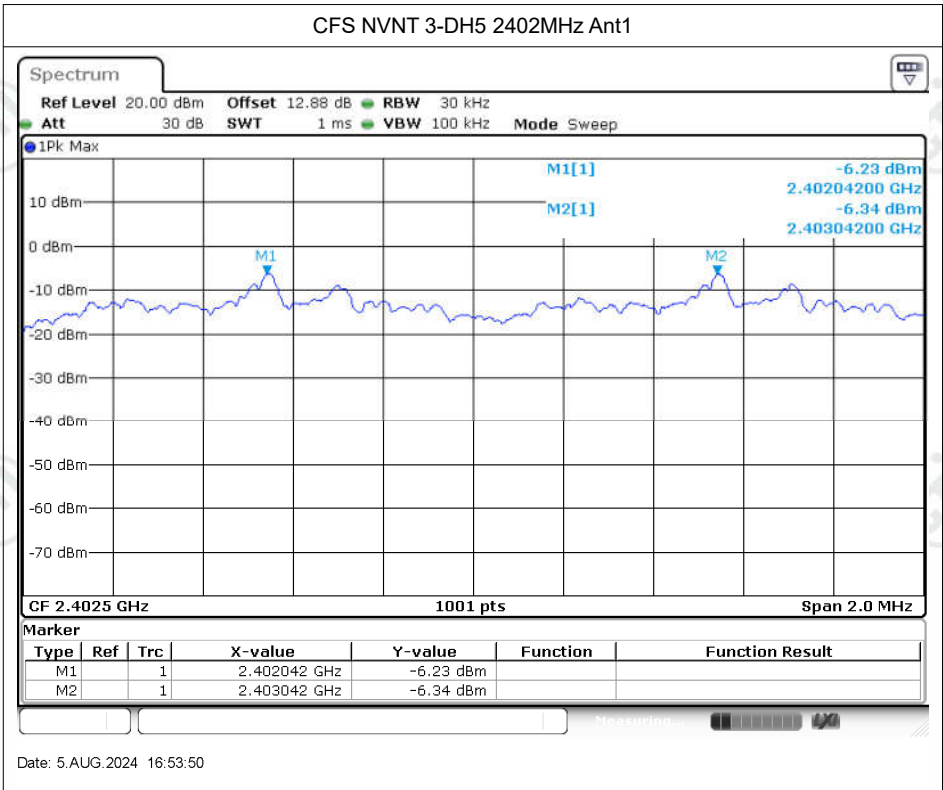
Carrier Frequencies Separation

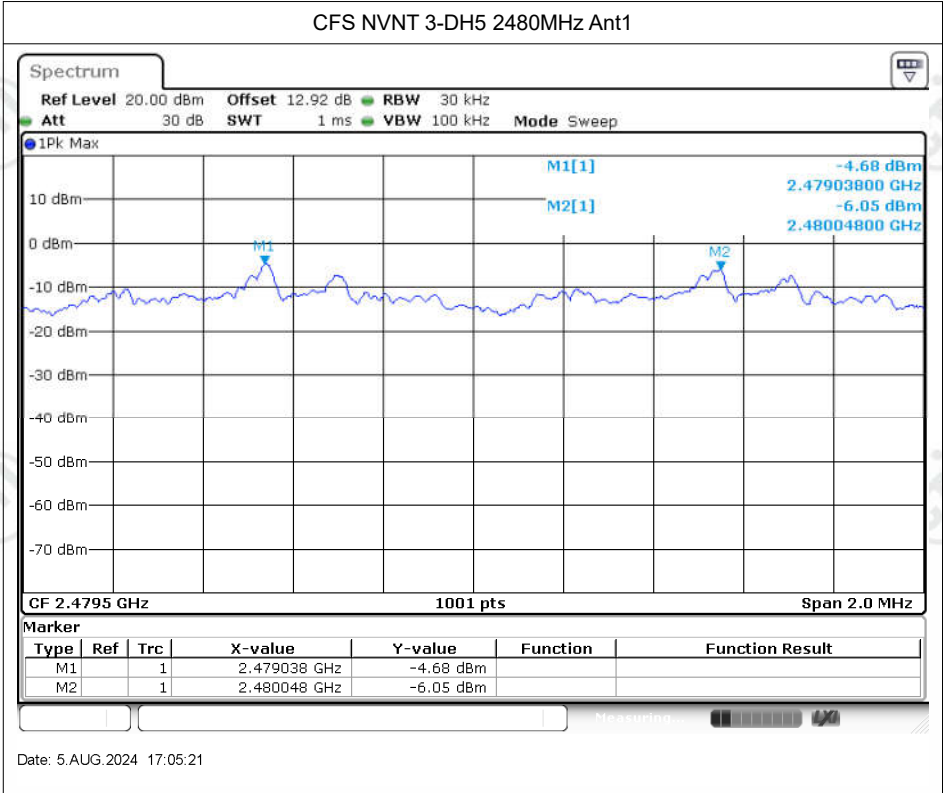
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.044	2403.046	1.002	0.589	Pass
NVNT	1-DH5	Ant1	2441.04	2442.048	1.008	0.588	Pass
NVNT	1-DH5	Ant1	2479.04	2480.04	1	0.591	Pass
NVNT	2-DH5	Ant1	2402.048	2403.046	0.998	0.846	Pass
NVNT	2-DH5	Ant1	2441.042	2442.044	1.002	0.85	Pass
NVNT	2-DH5	Ant1	2479.038	2480.04	1.002	0.847	Pass
NVNT	3-DH5	Ant1	2402.042	2403.042	1	0.848	Pass
NVNT	3-DH5	Ant1	2441.042	2442.04	0.998	0.851	Pass
NVNT	3-DH5	Ant1	2479.038	2480.048	1.01	0.849	Pass





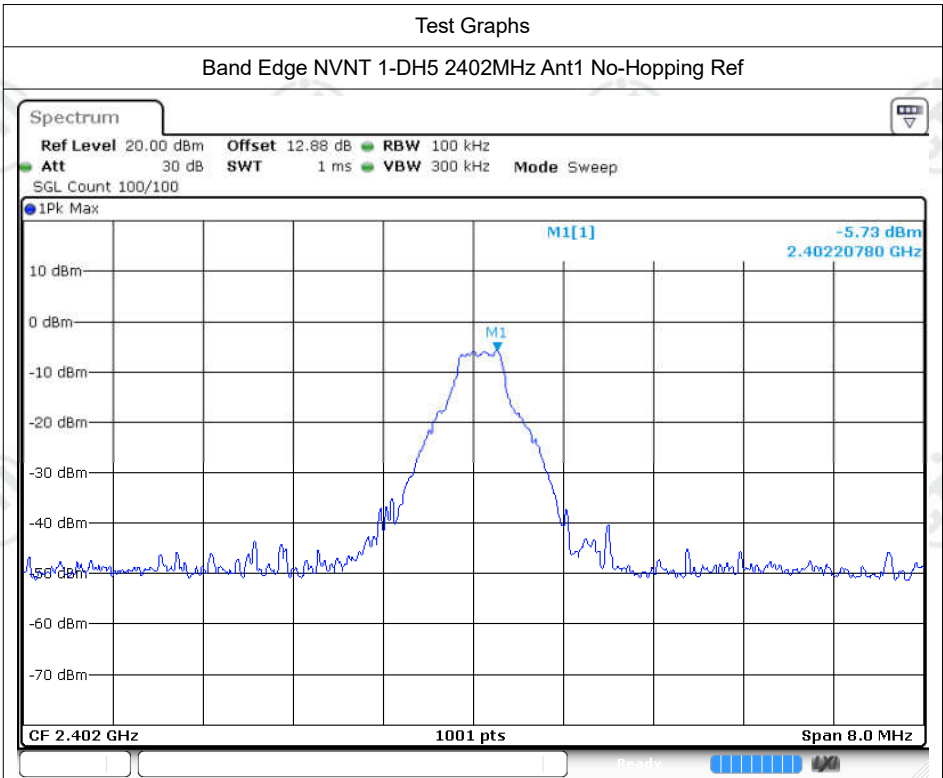




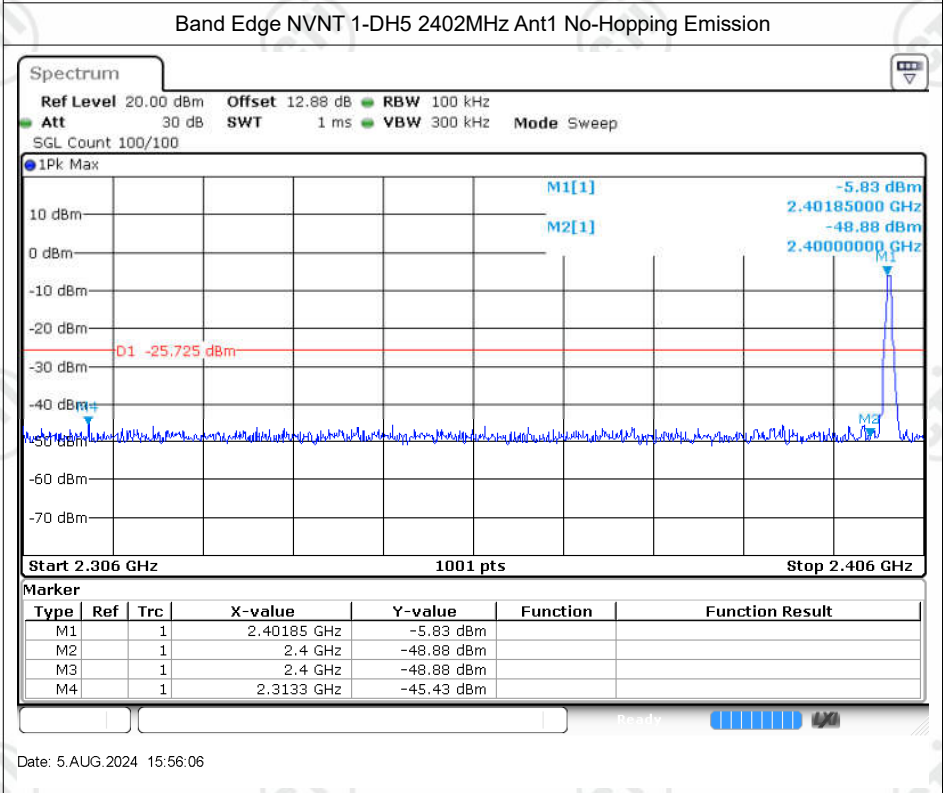


Band Edge

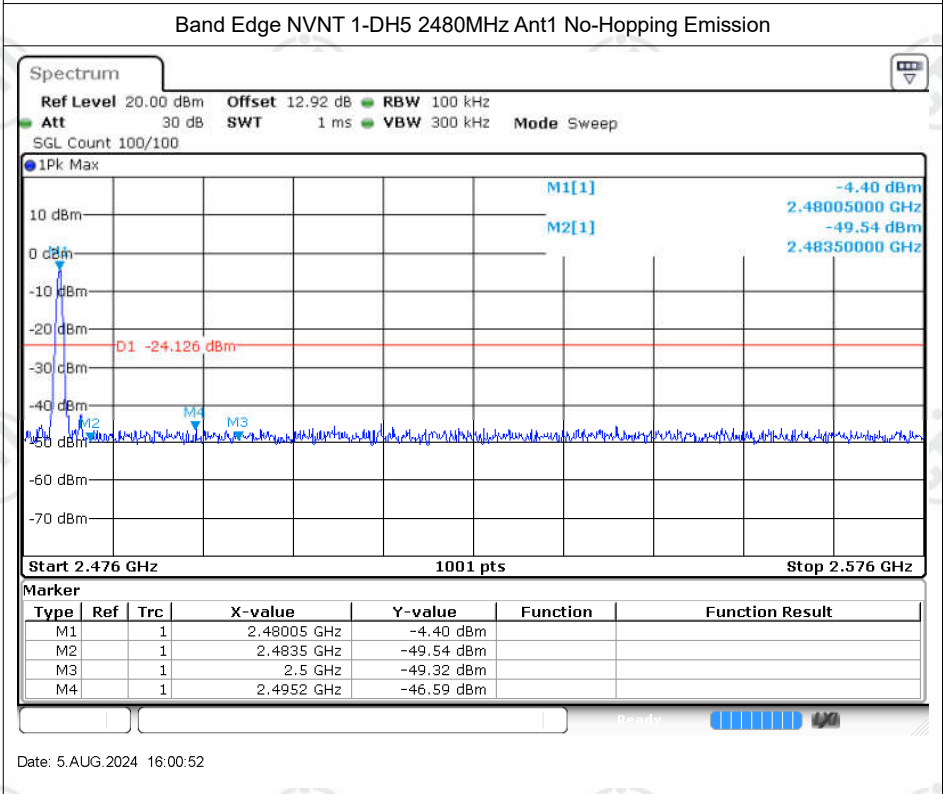
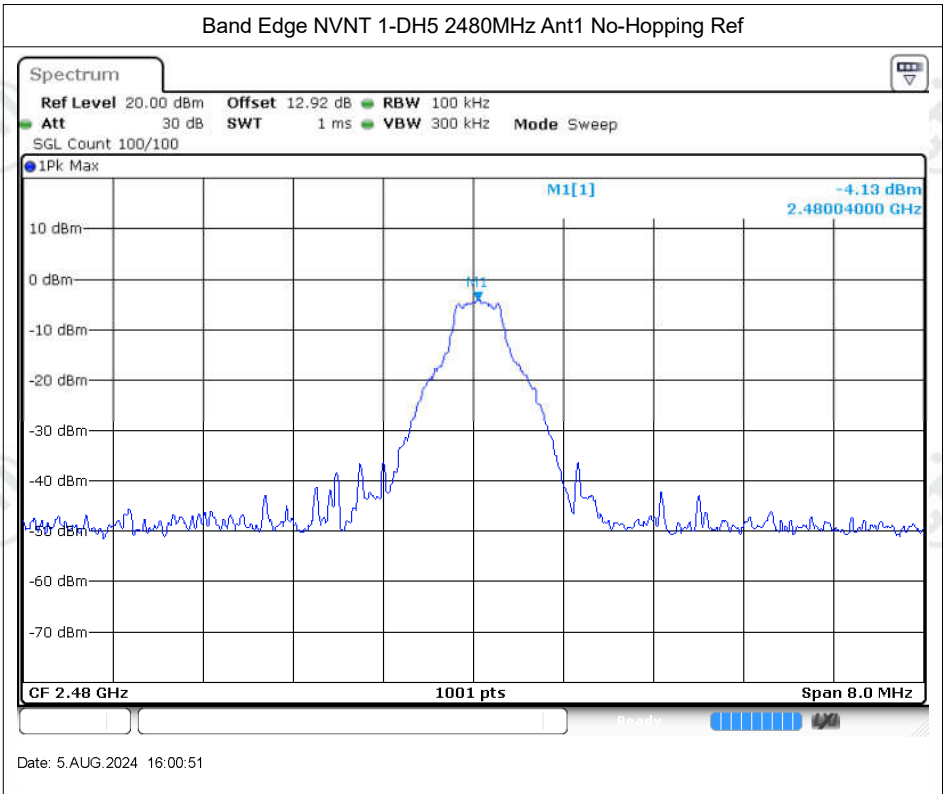
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-39.7	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-42.45	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-37.87	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-40.36	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-39.3	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-41.28	-20	Pass

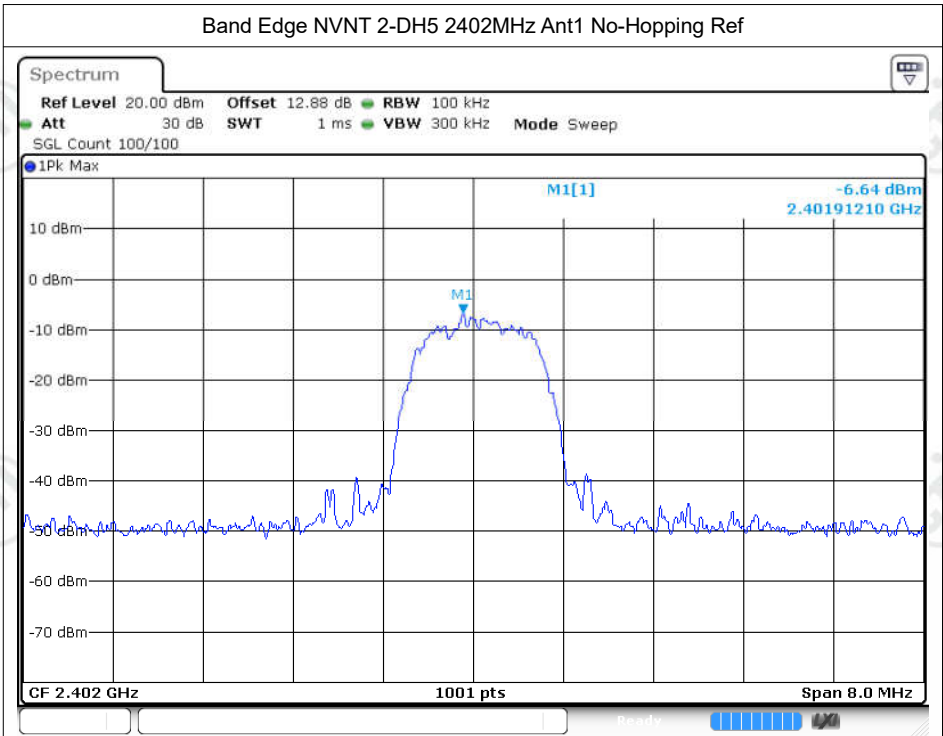


Date: 5.AUG.2024 15:56:04

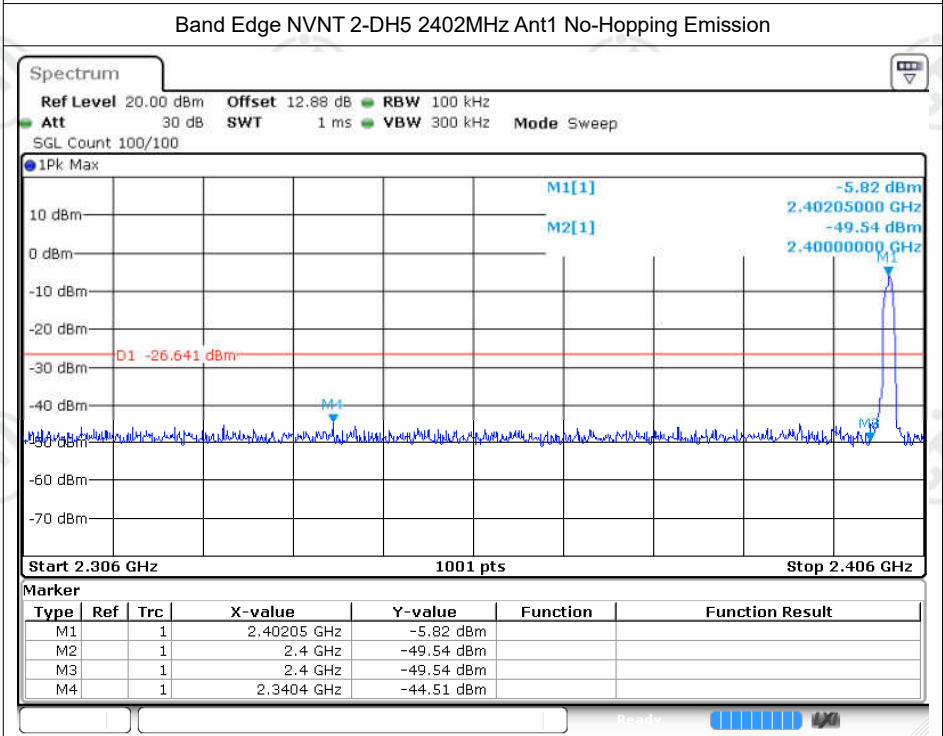


Date: 5.AUG.2024 15:56:06

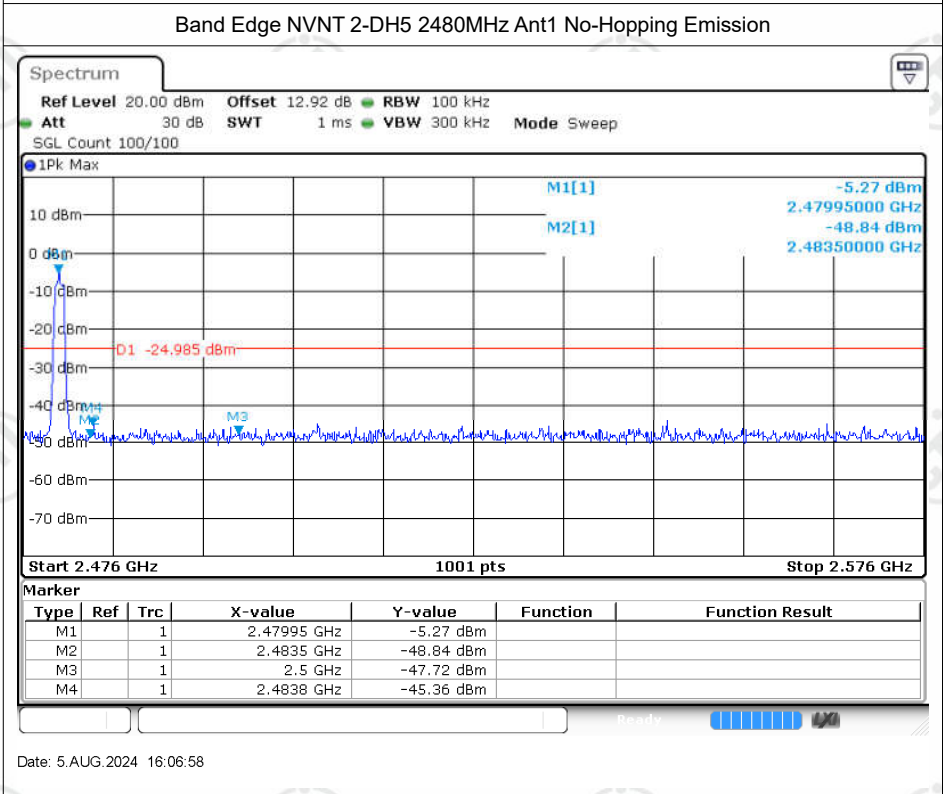
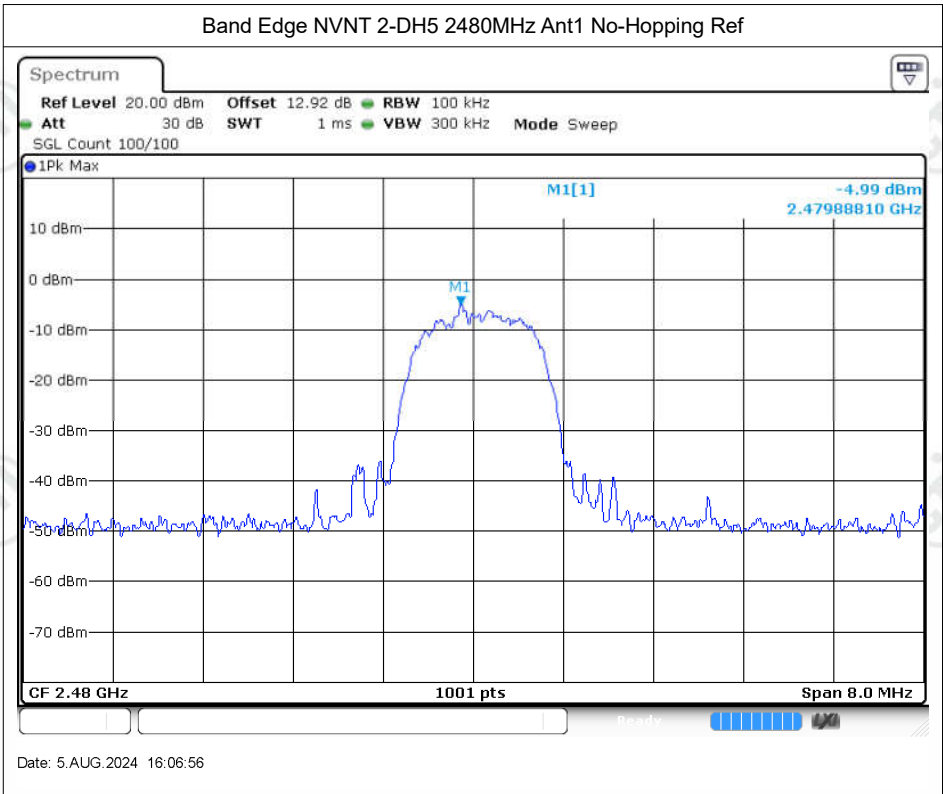


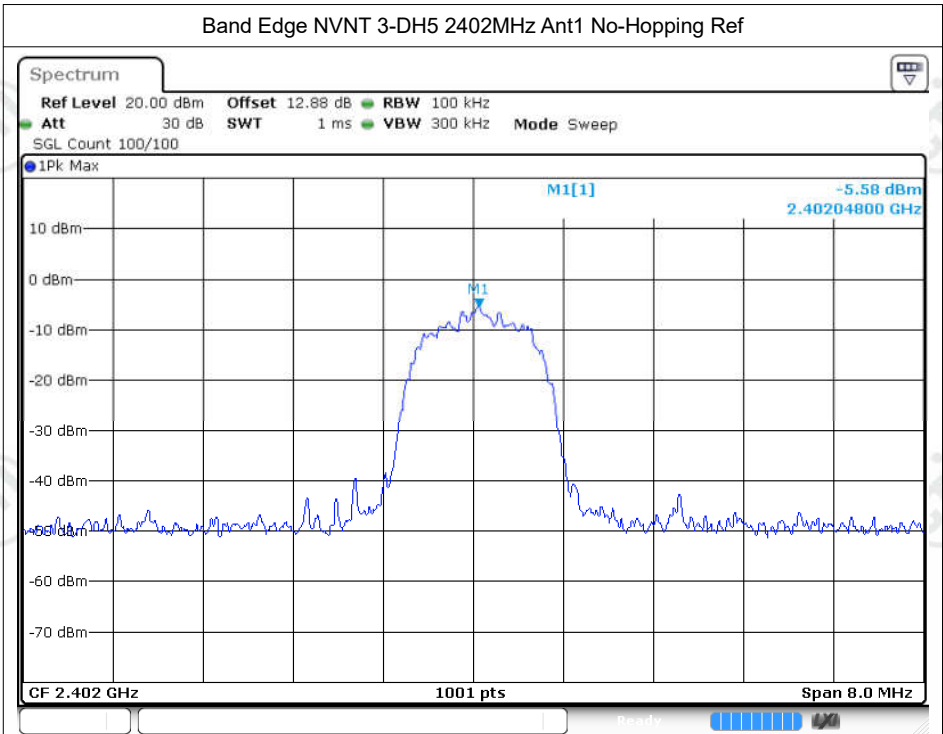


Date: 5.AUG.2024 16:02:33

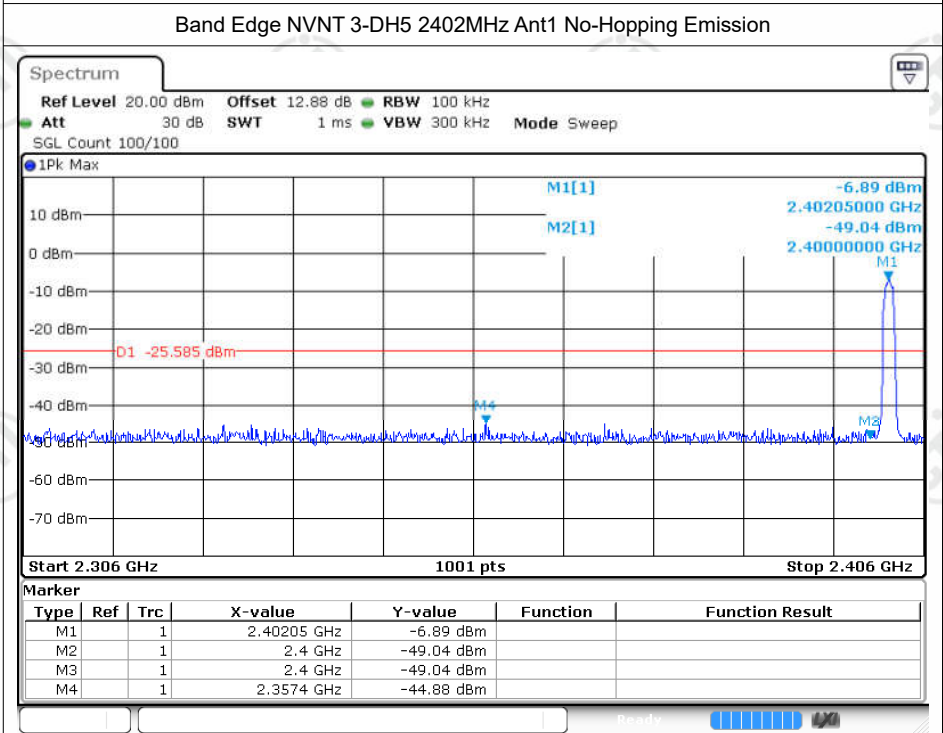


Date: 5.AUG.2024 16:02:34

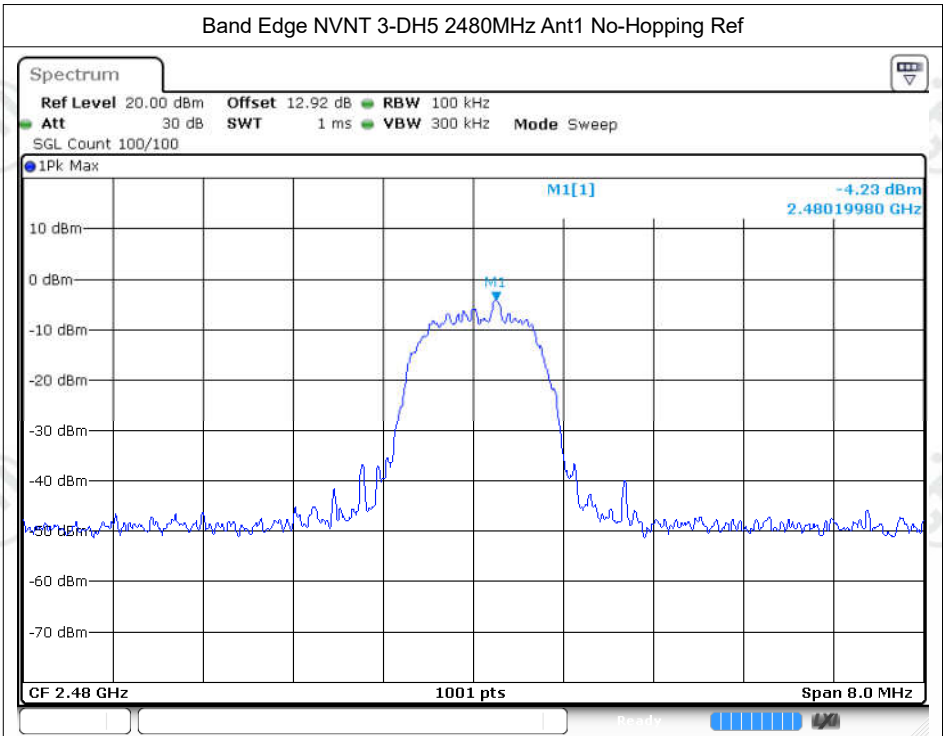




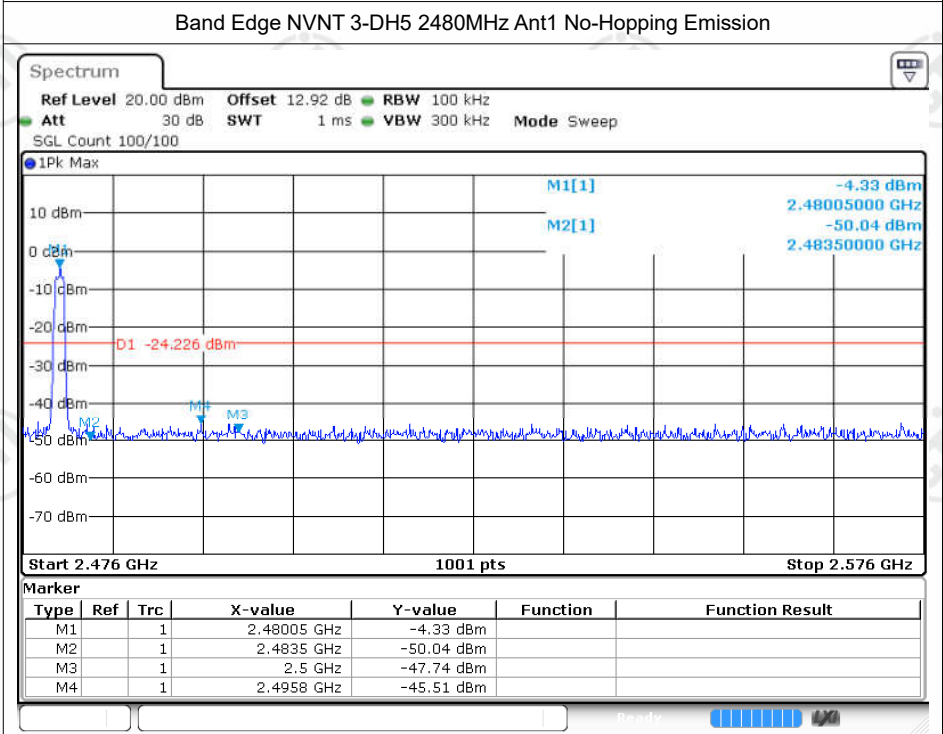
Date: 5.AUG.2024 16:09:06



Date: 5.AUG.2024 16:09:08



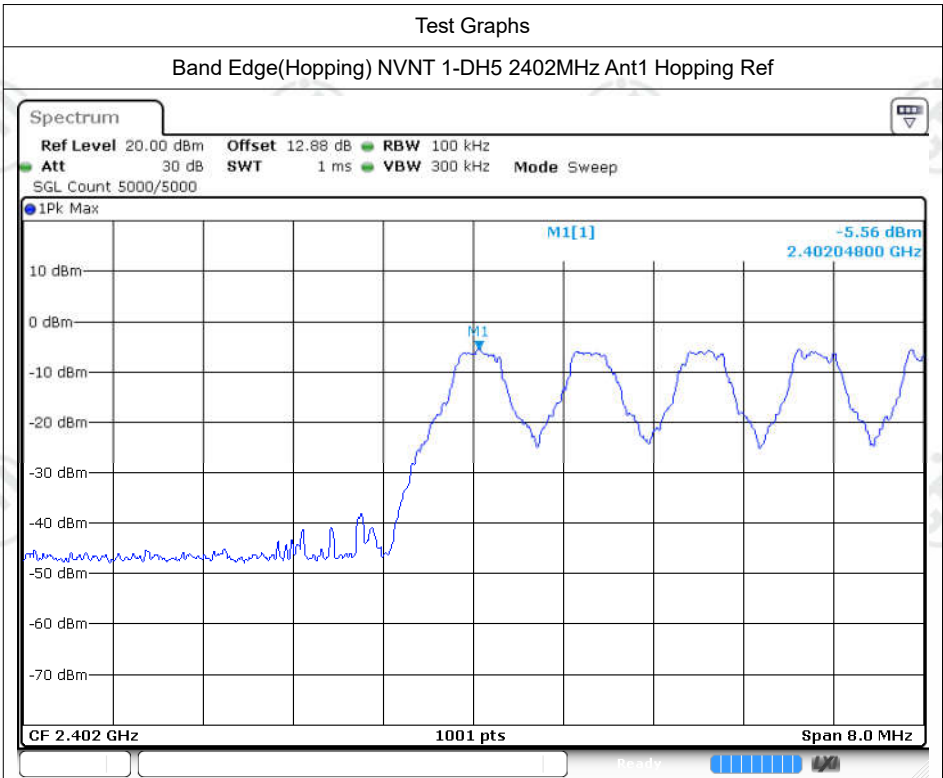
Date: 5.AUG.2024 16:12:42



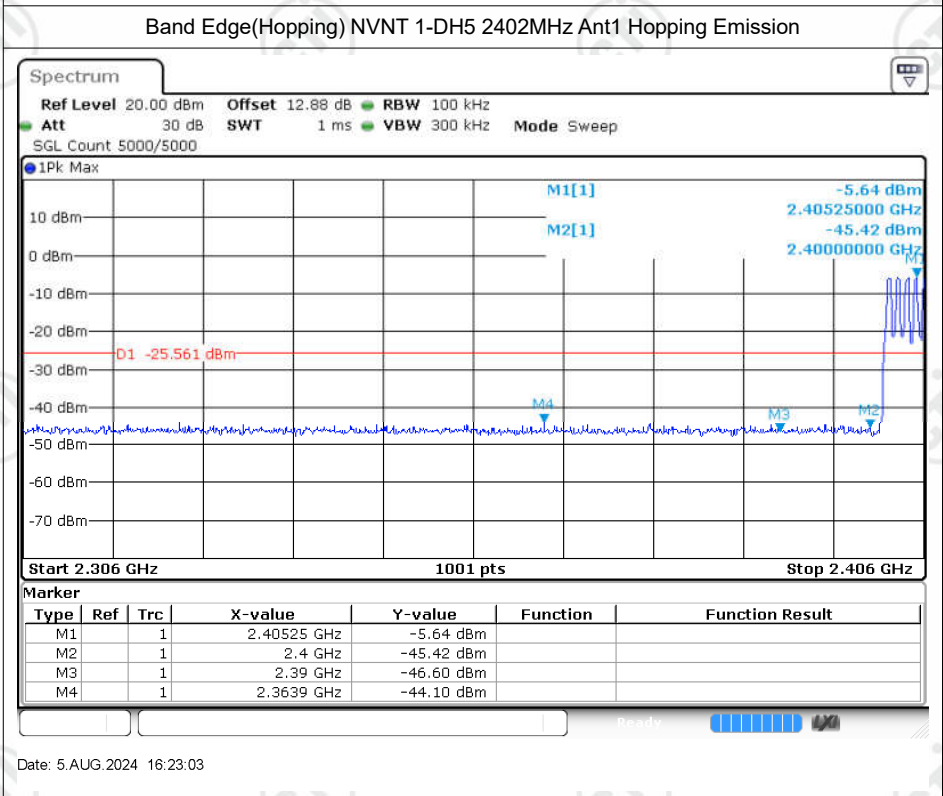
Date: 5.AUG.2024 16:12:43

Band Edge(Hopping)

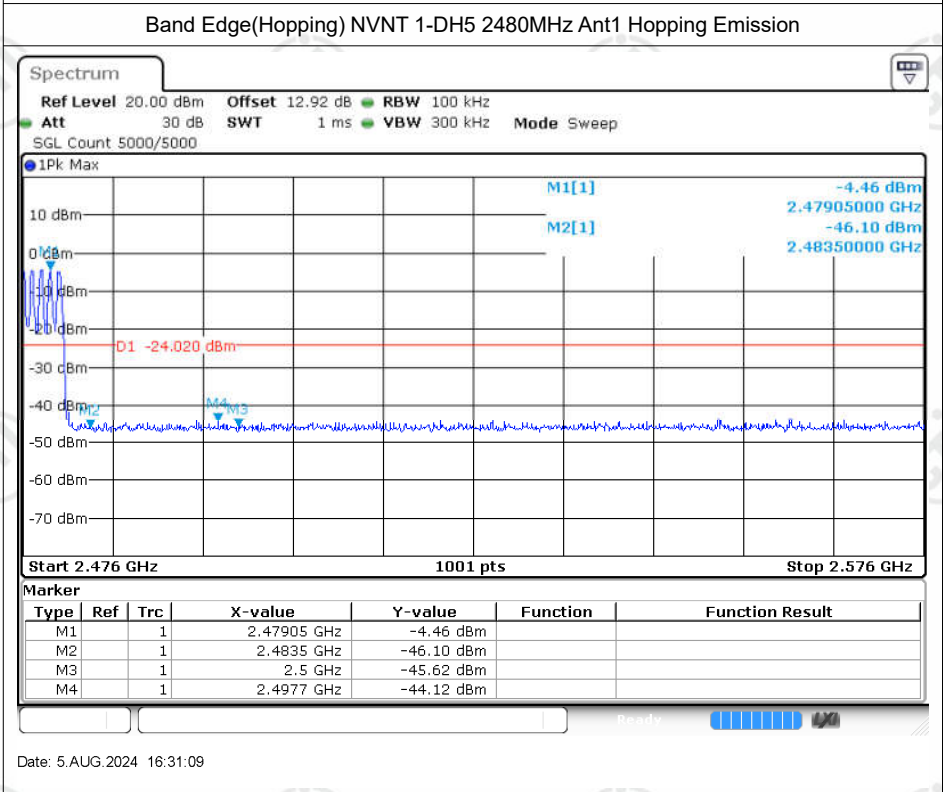
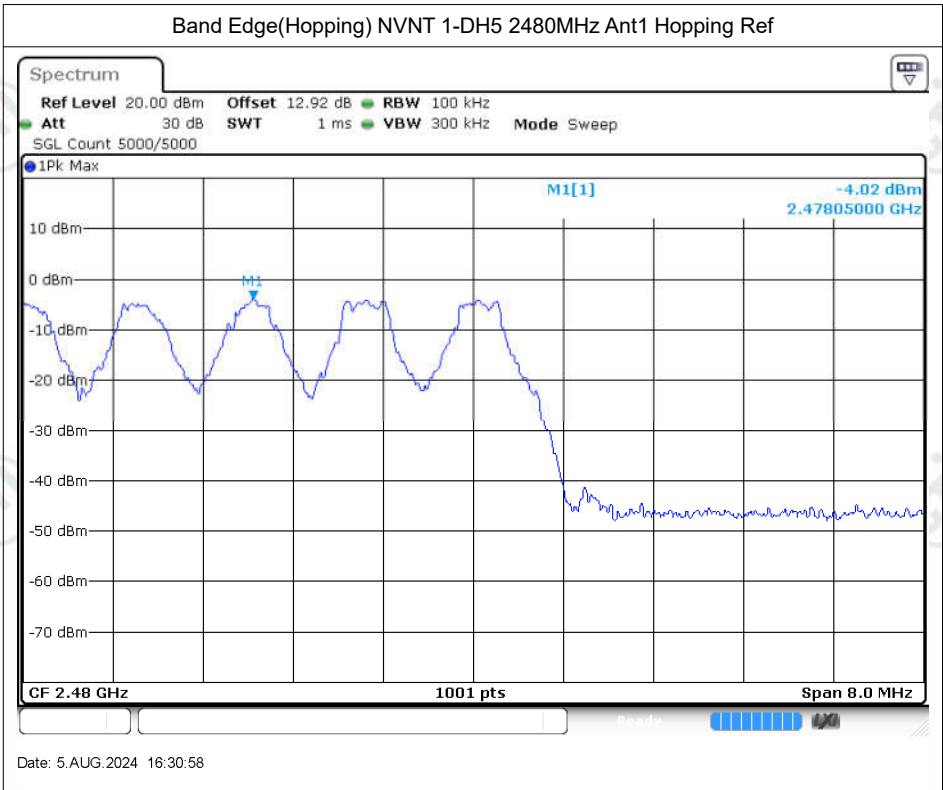
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-38.54	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-40.1	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-39.05	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-40	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-38.43	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-39.95	-20	Pass

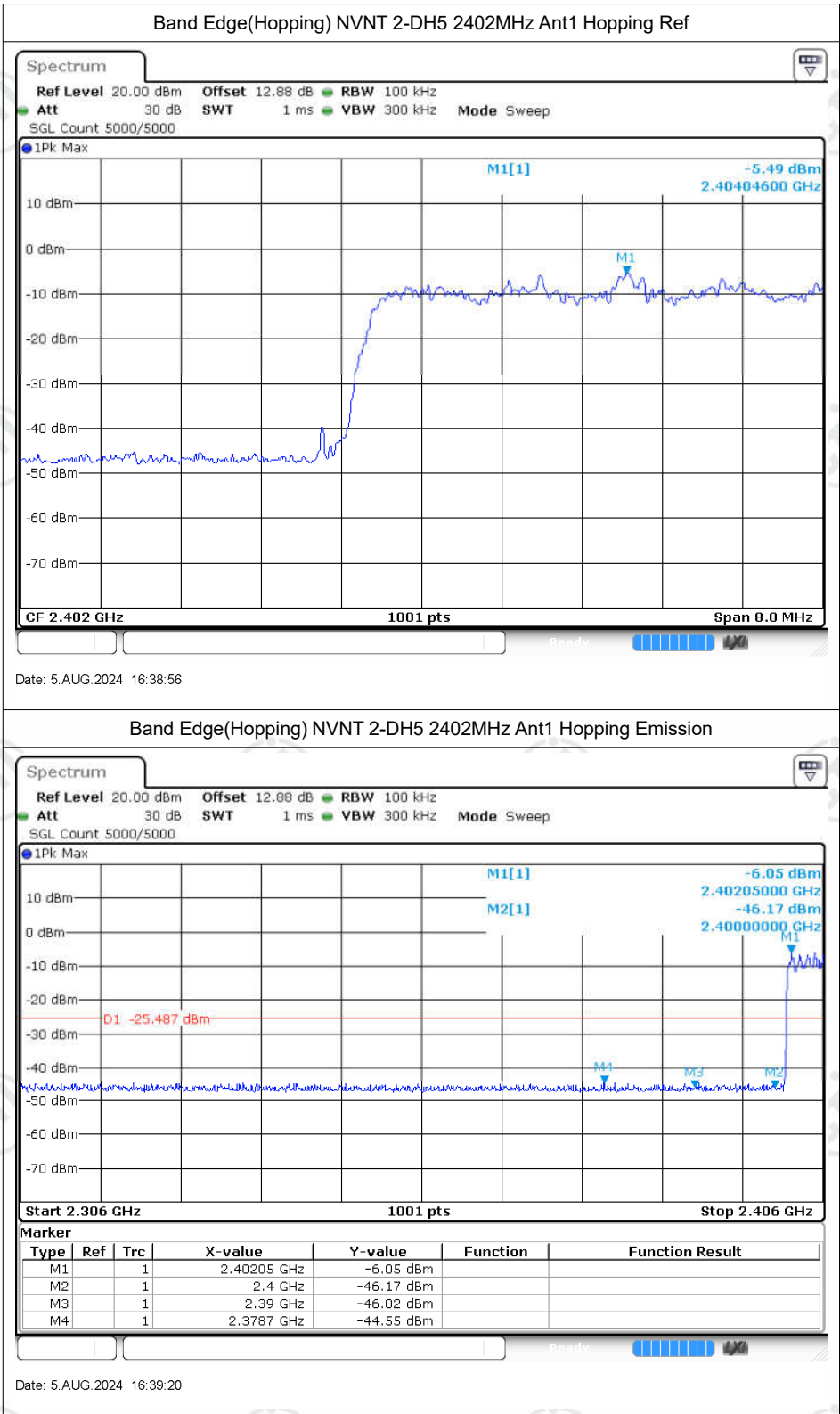


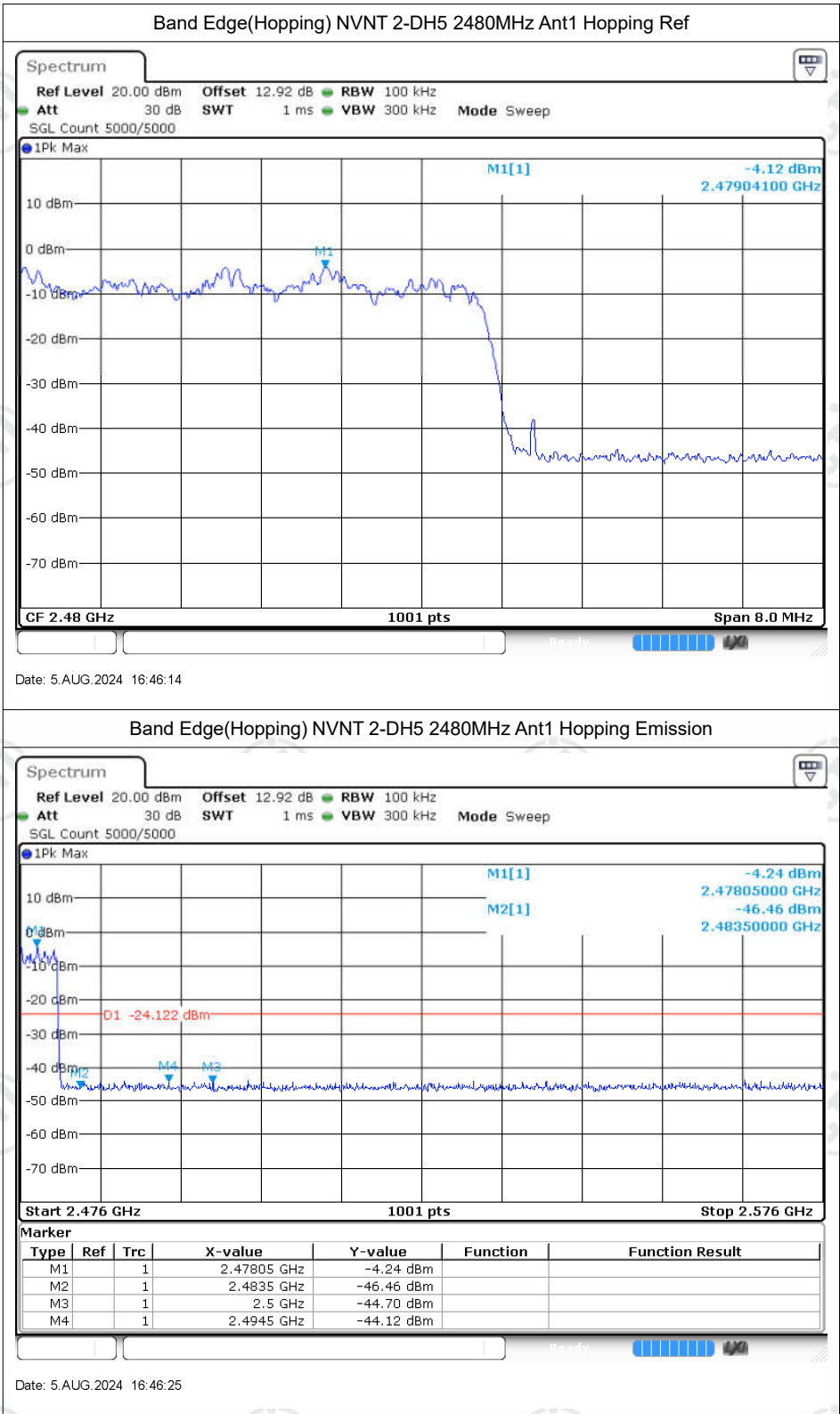
Date: 5.AUG.2024 16:22:39

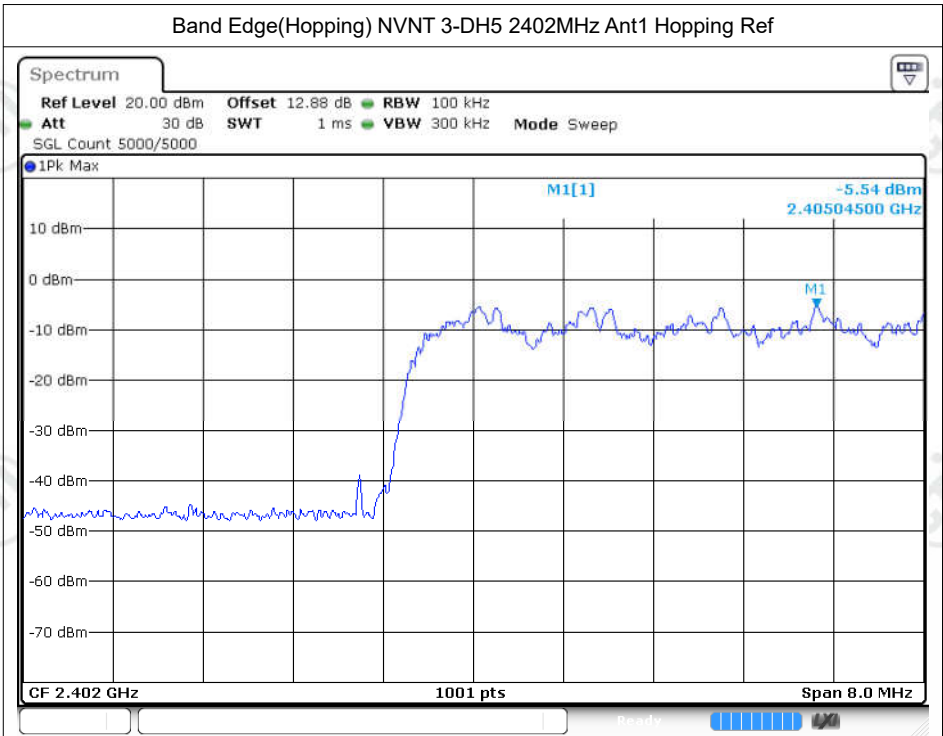


Date: 5.AUG.2024 16:23:03

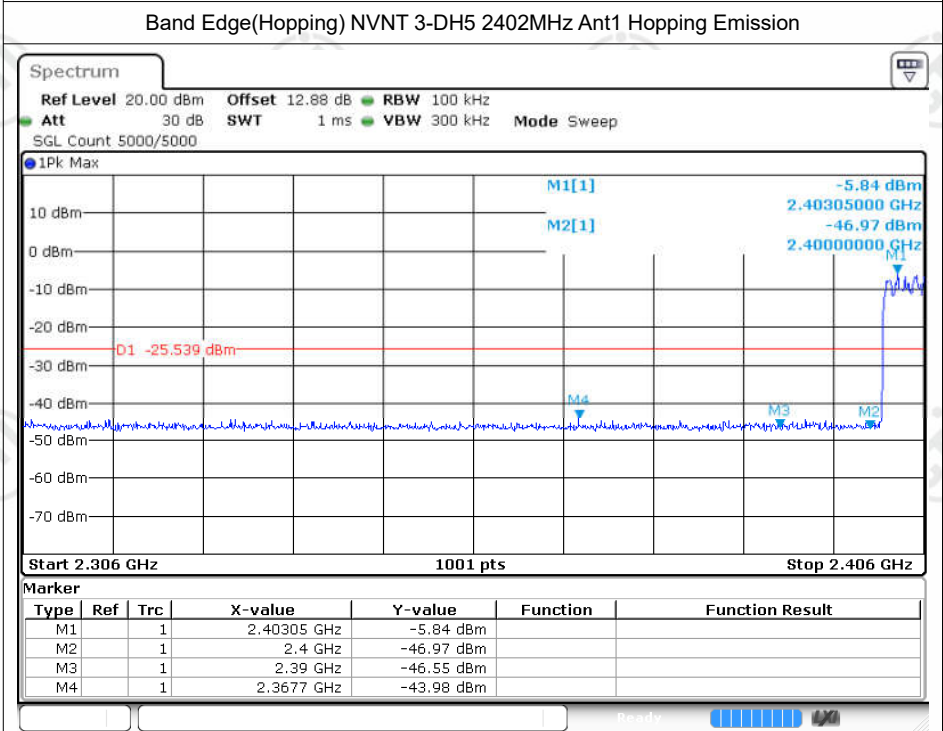




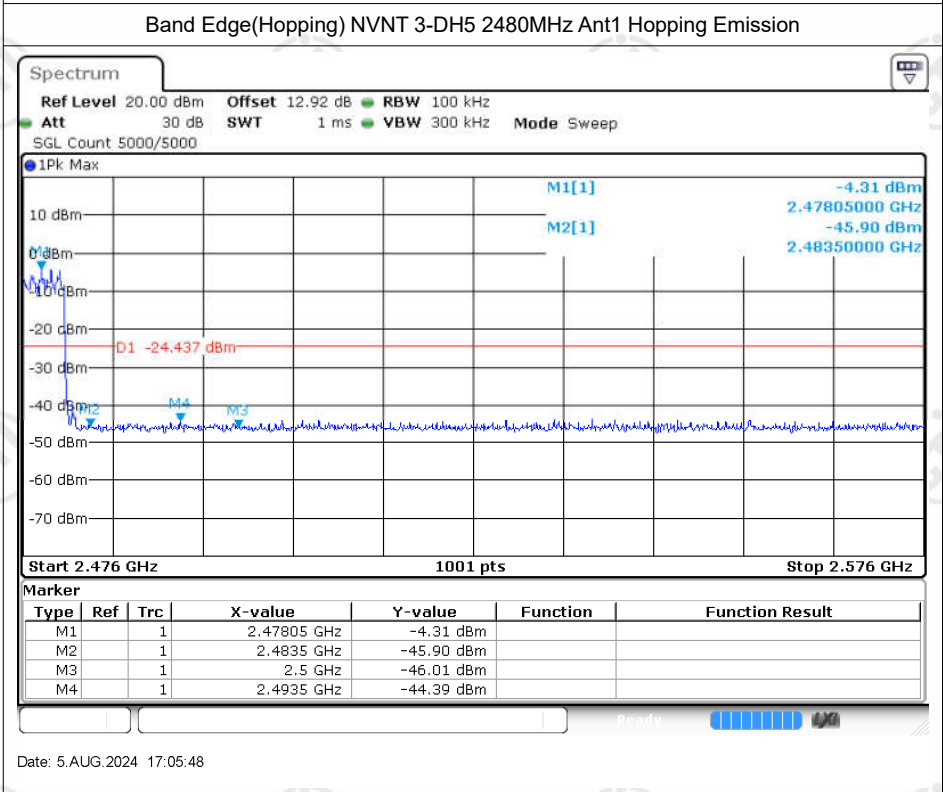
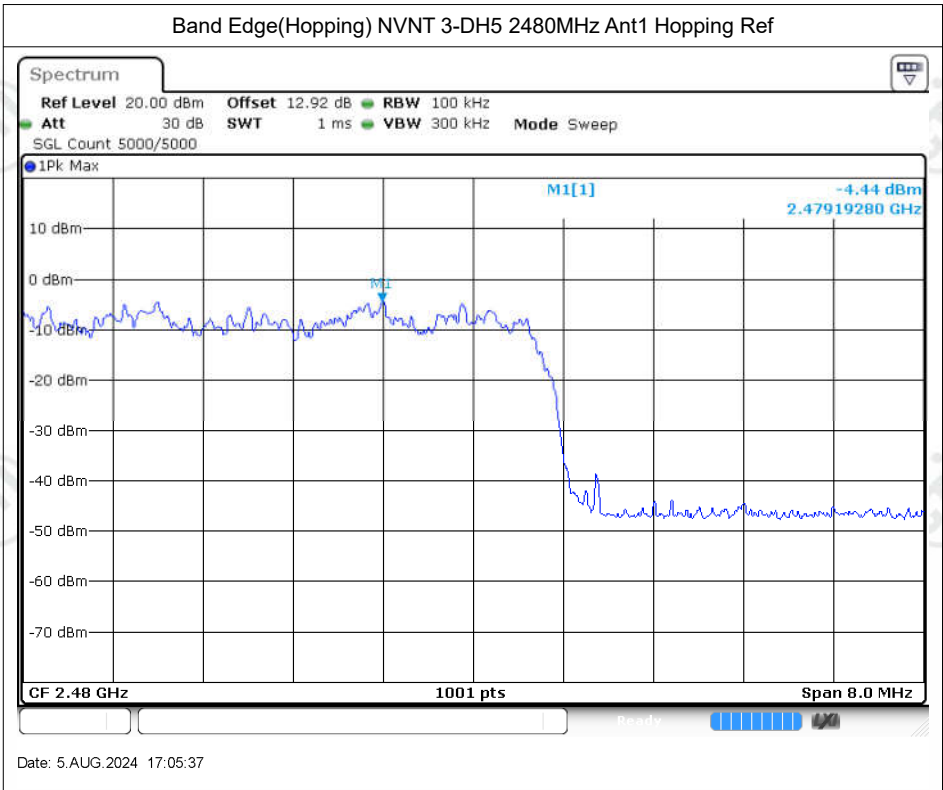




Date: 5.AUG.2024 16:54:05

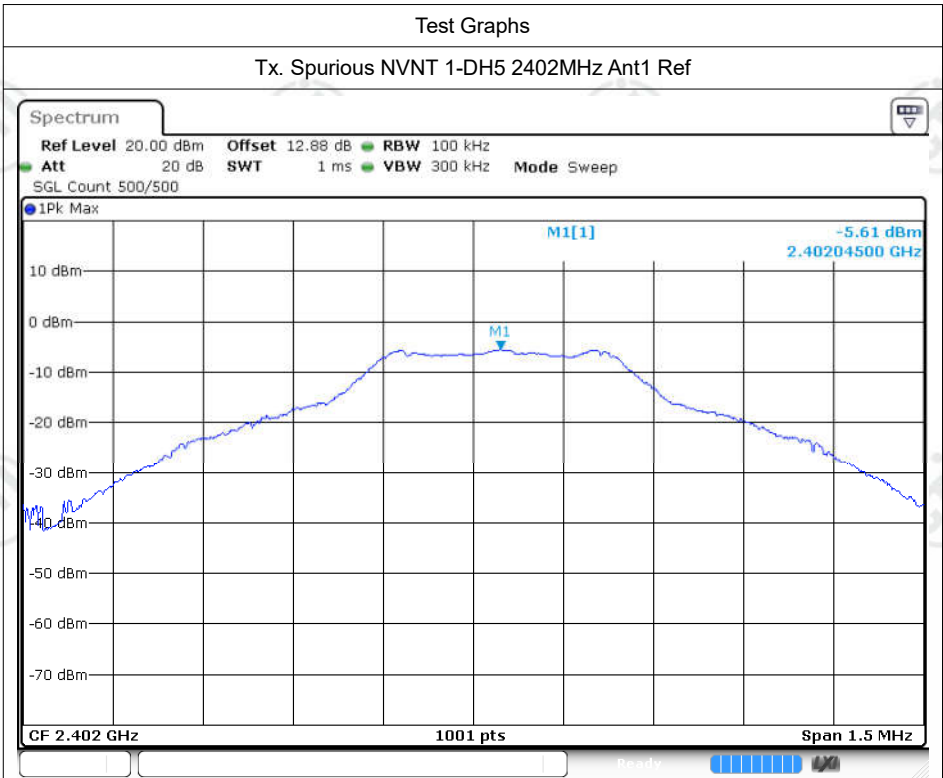


Date: 5.AUG.2024 16:54:29

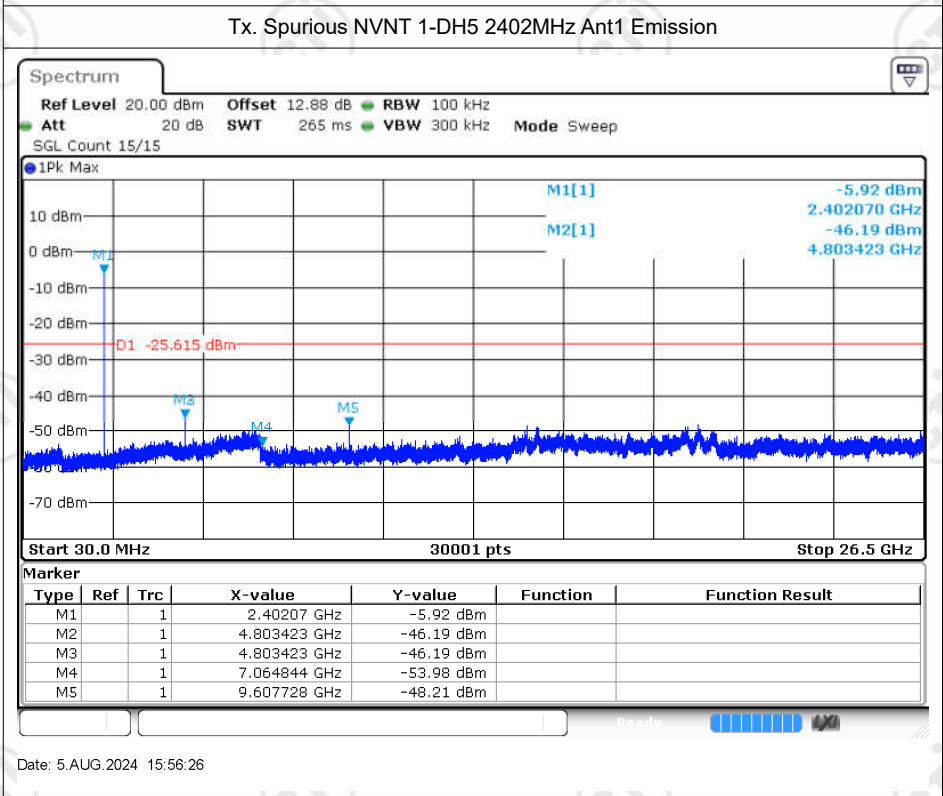


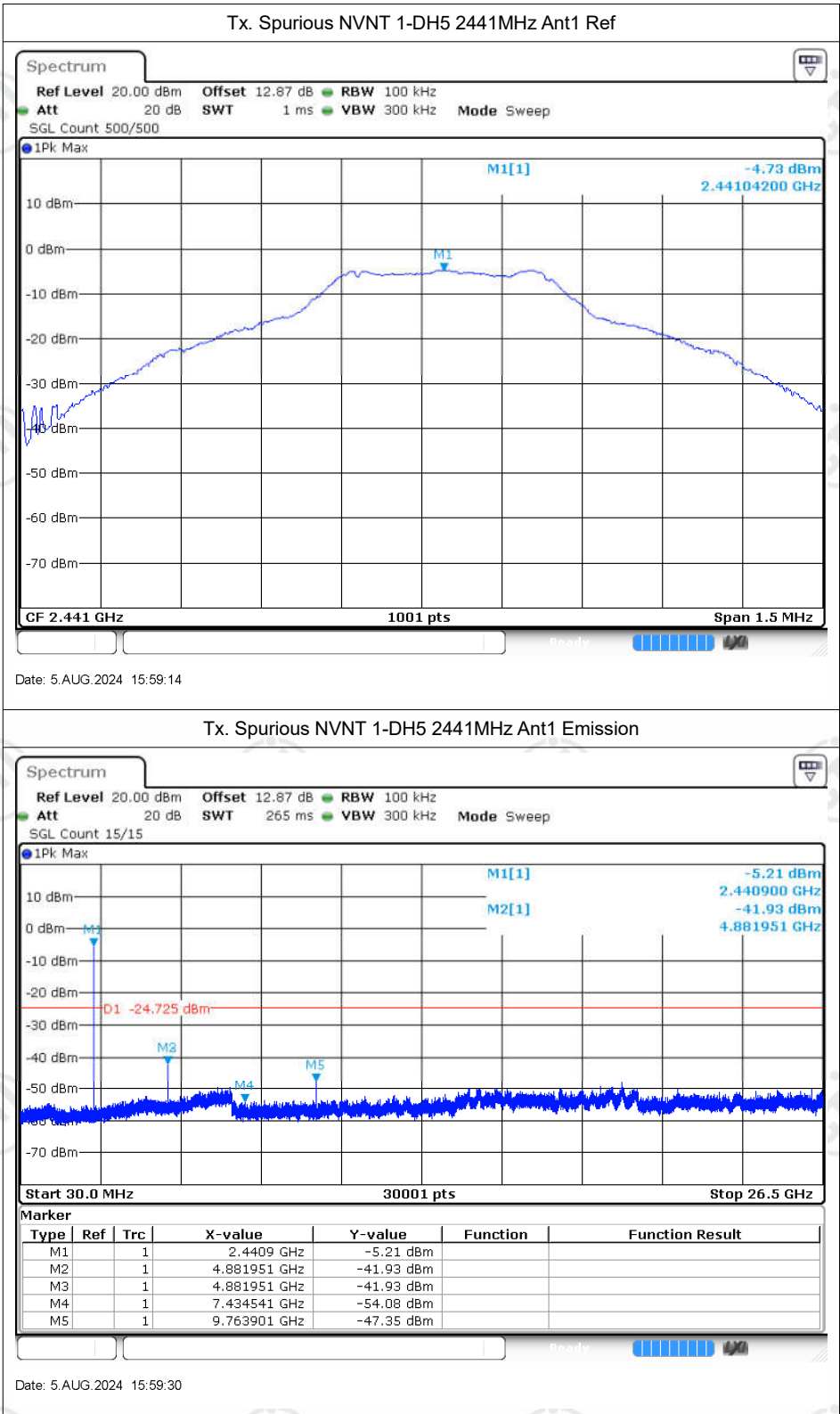
Conducted RF Spurious Emission

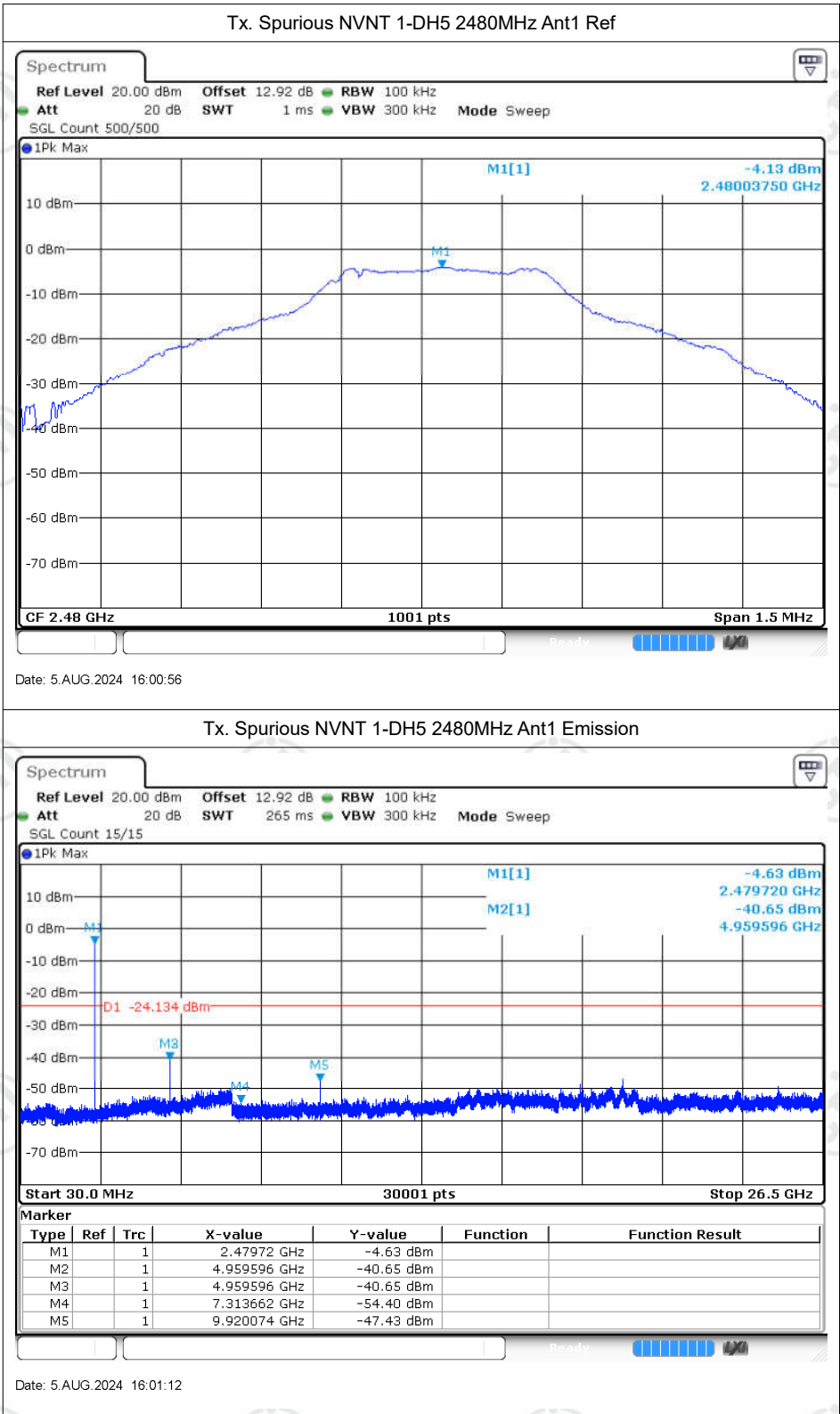
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-40.58	-20	Pass
NVNT	1-DH5	2441	Ant1	-37.19	-20	Pass
NVNT	1-DH5	2480	Ant1	-36.51	-20	Pass
NVNT	2-DH5	2402	Ant1	-40.57	-20	Pass
NVNT	2-DH5	2441	Ant1	-38.17	-20	Pass
NVNT	2-DH5	2480	Ant1	-38.77	-20	Pass
NVNT	3-DH5	2402	Ant1	-42.32	-20	Pass
NVNT	3-DH5	2441	Ant1	-36.85	-20	Pass
NVNT	3-DH5	2480	Ant1	-39.37	-20	Pass

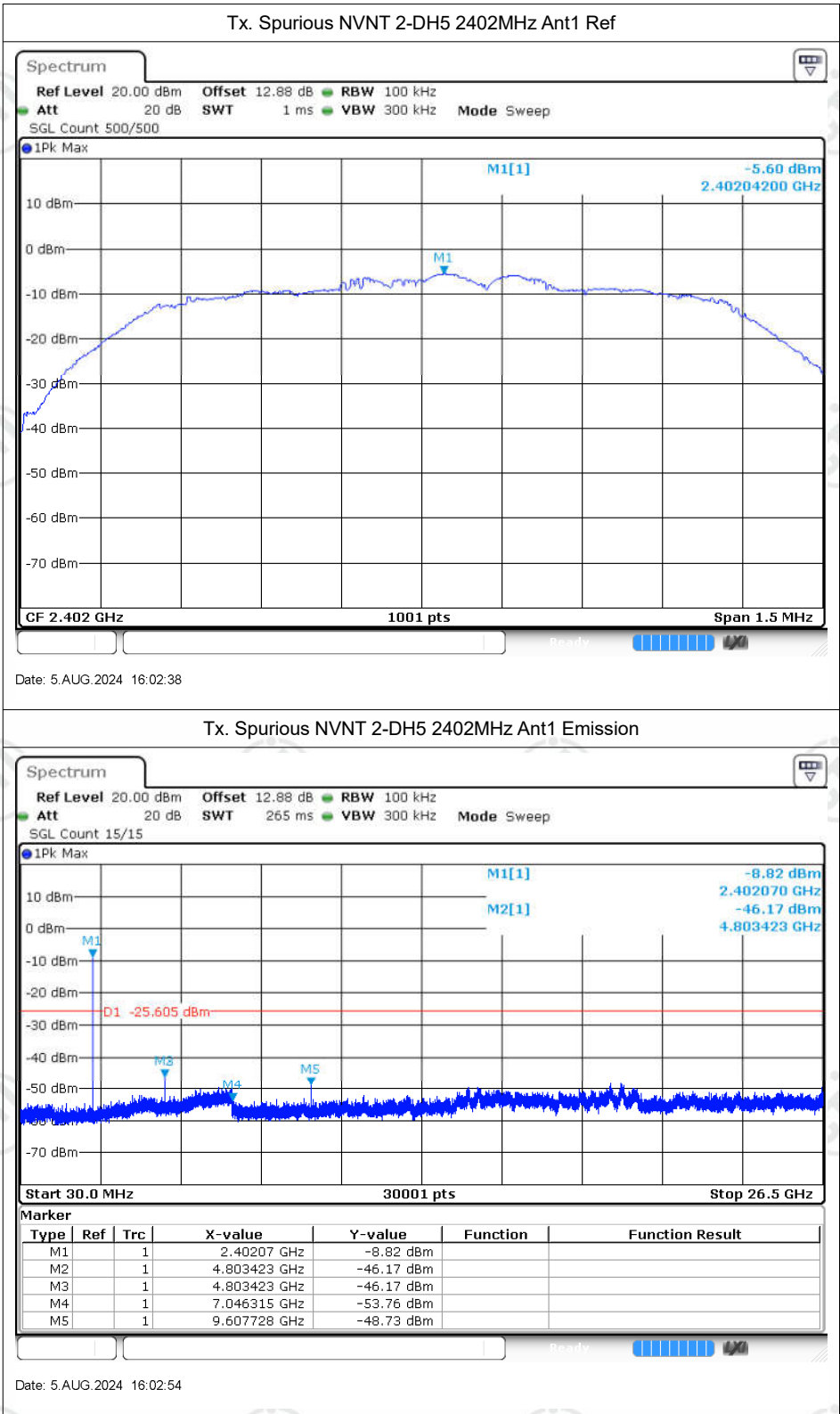


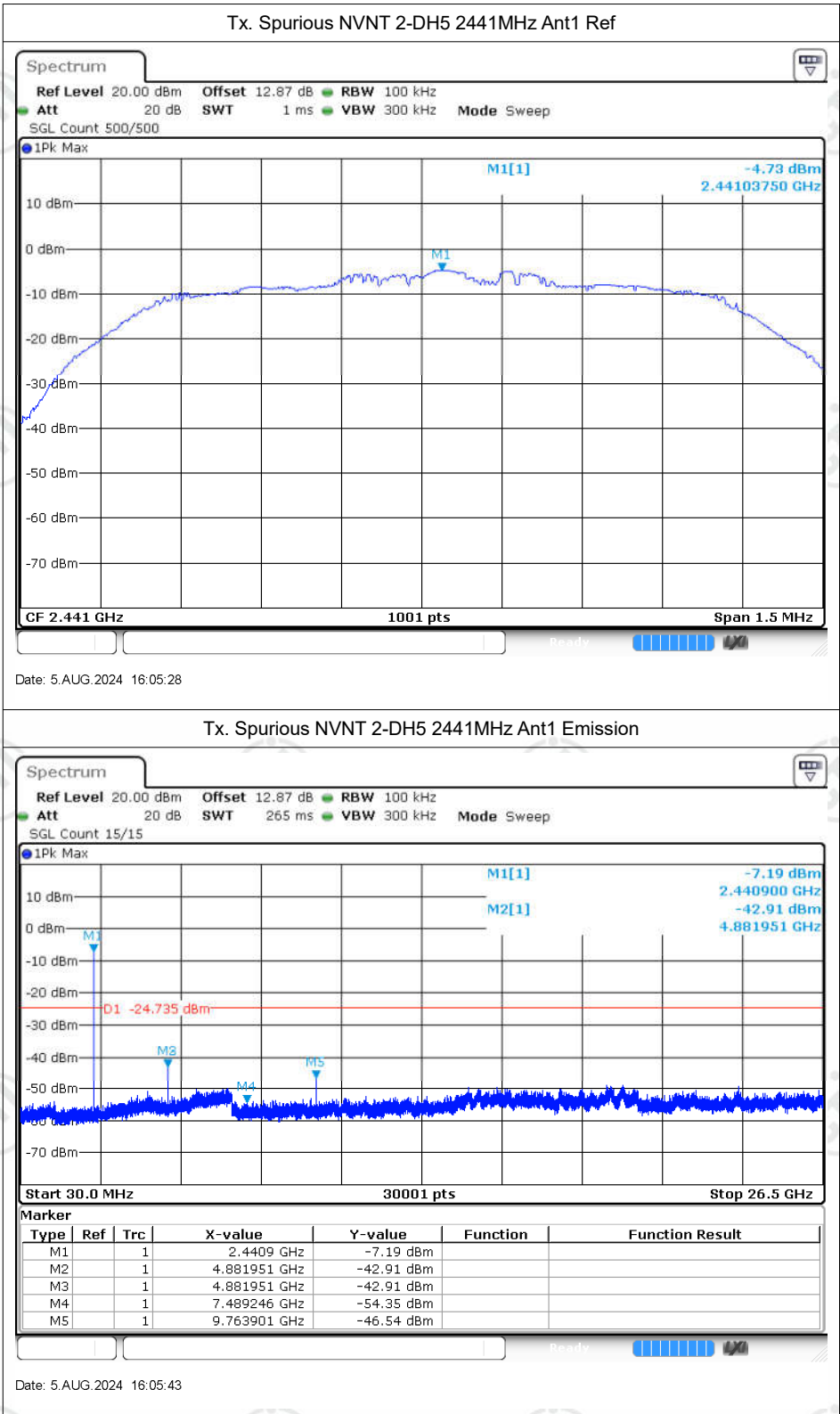
Date: 5.AUG.2024 15:56:10

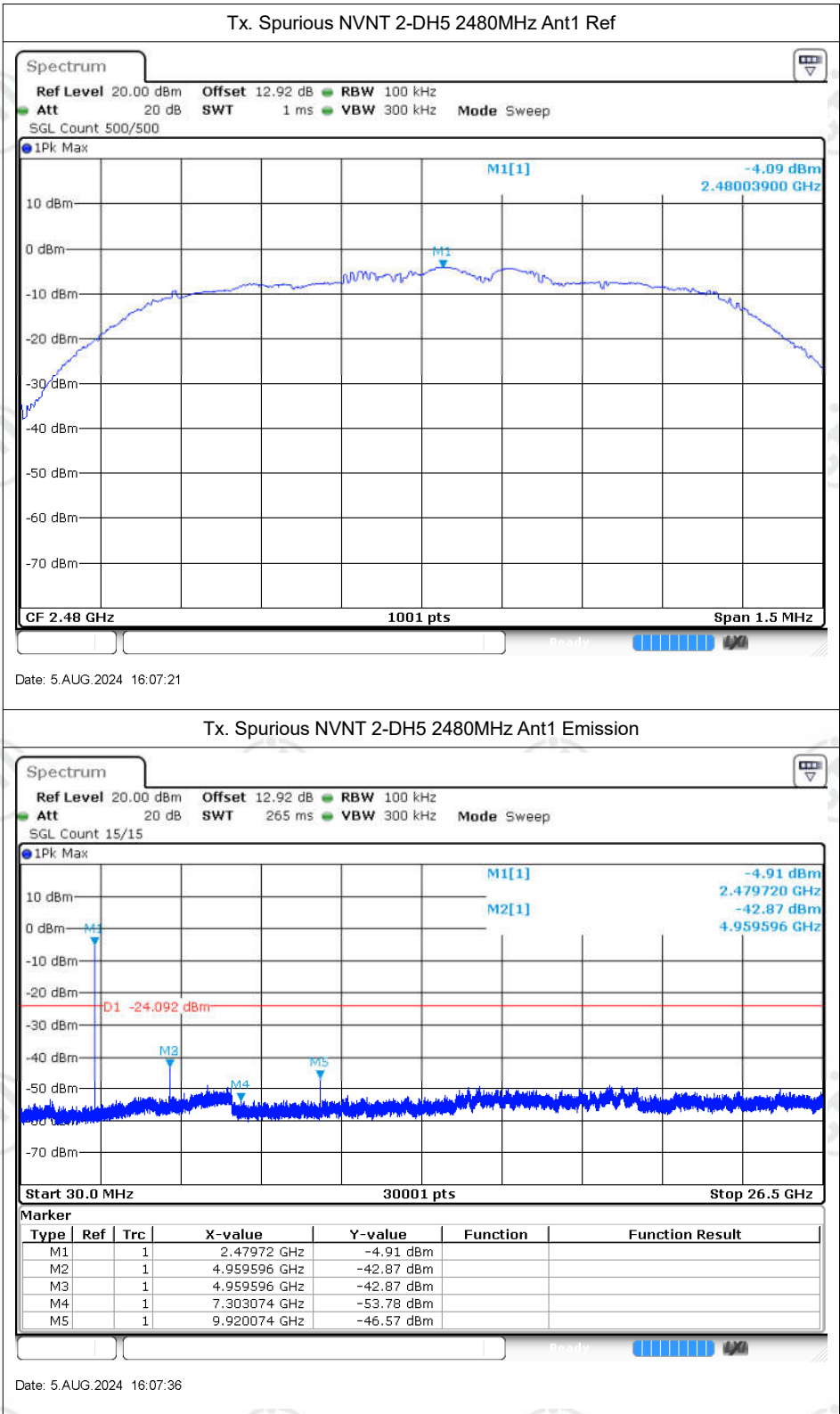


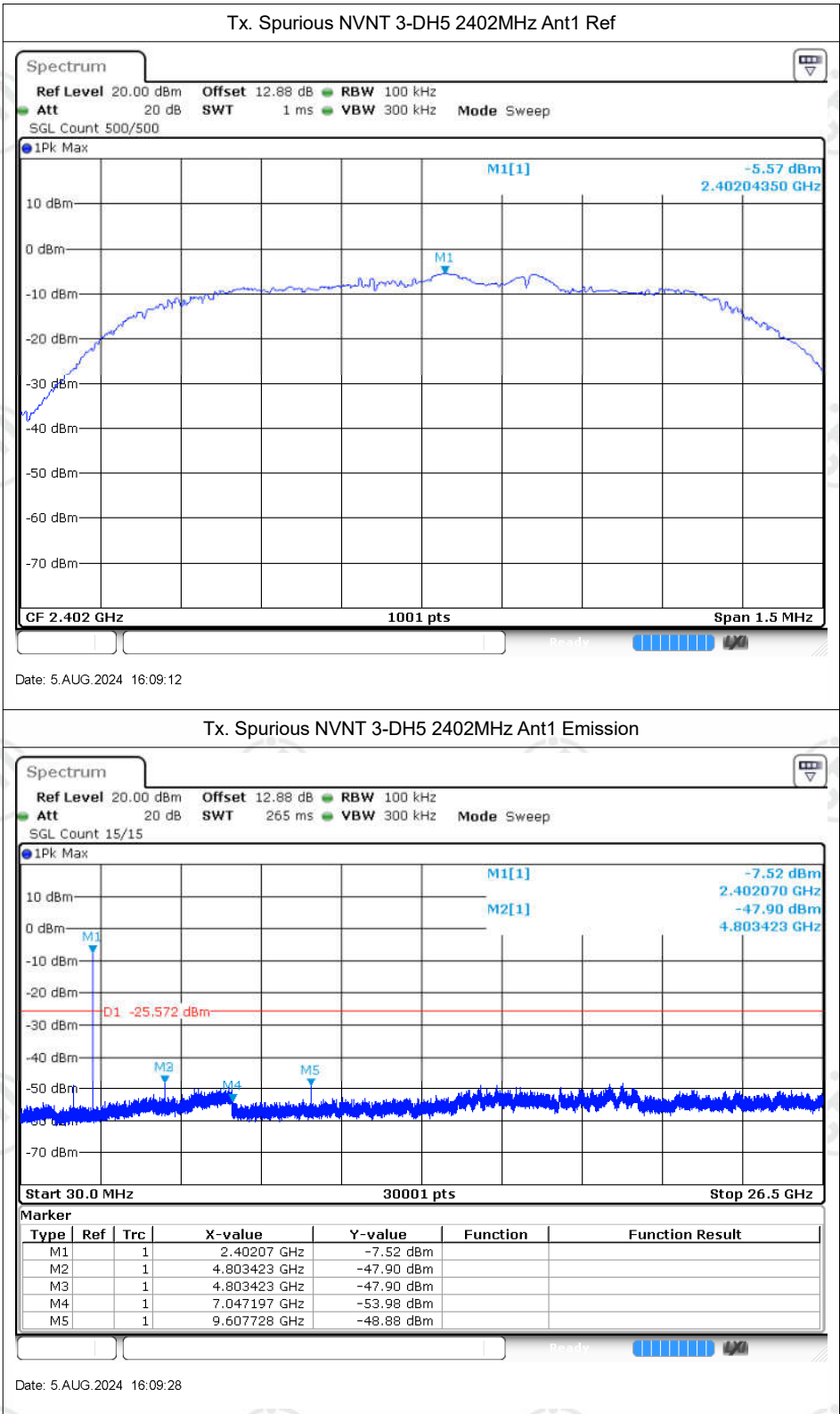


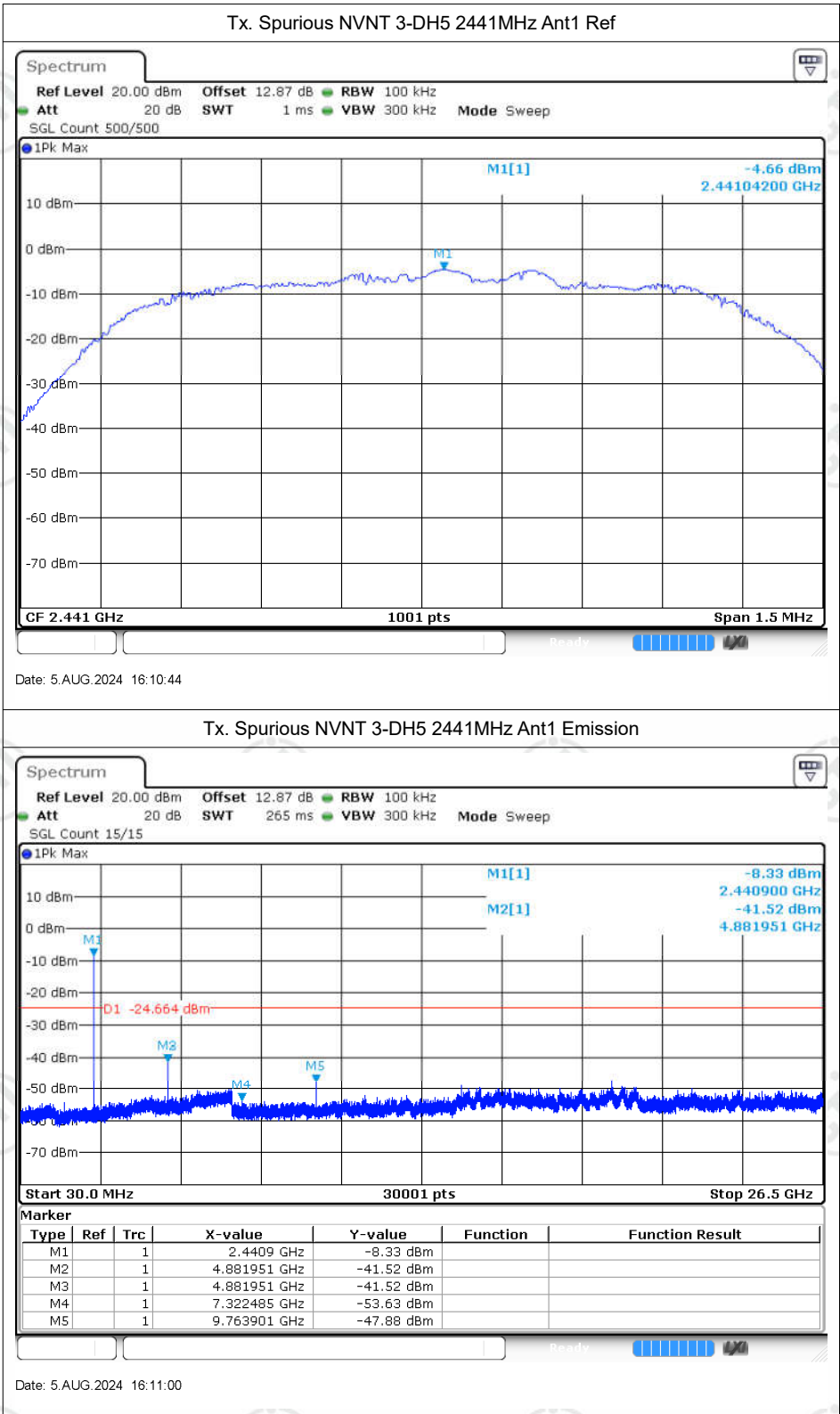


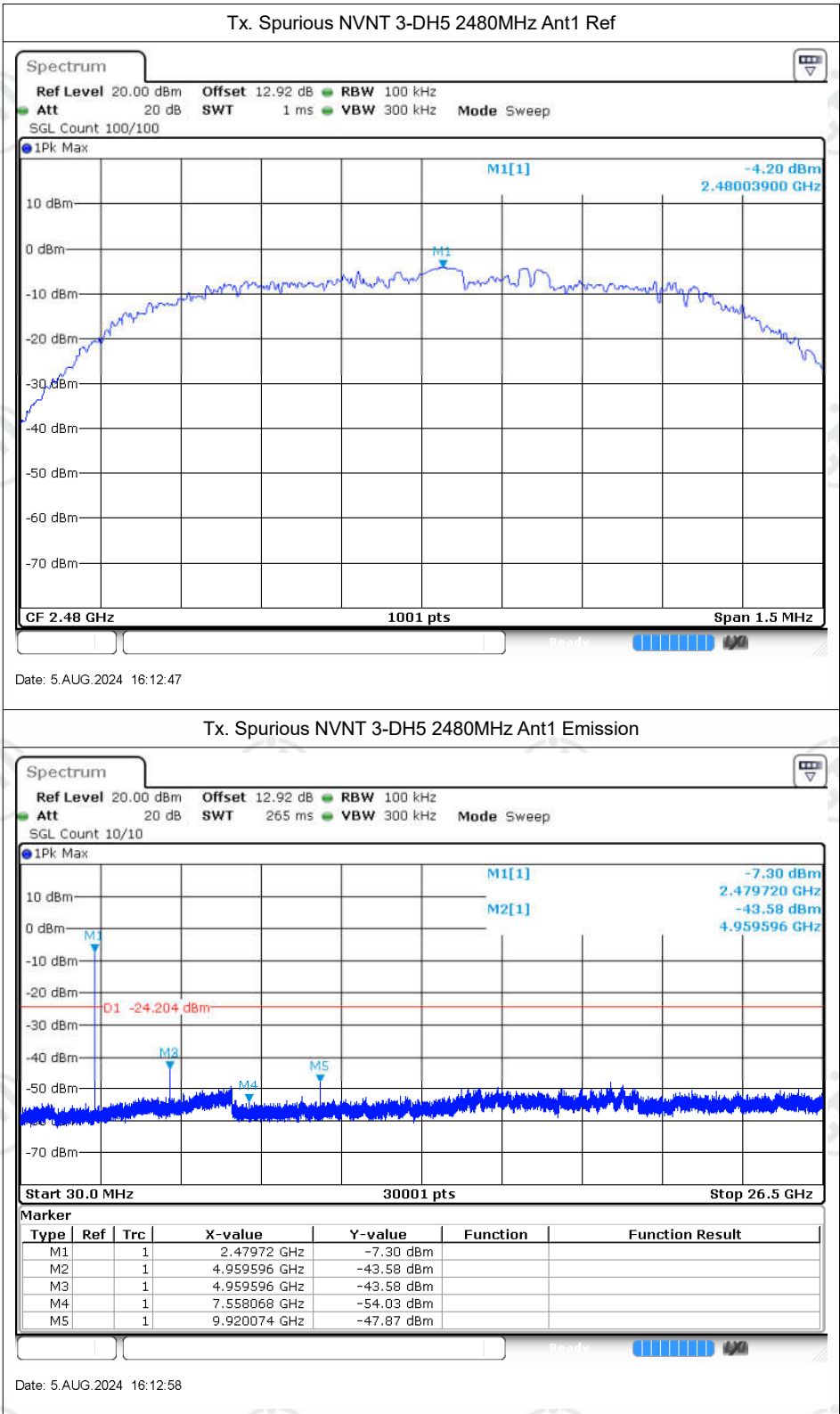






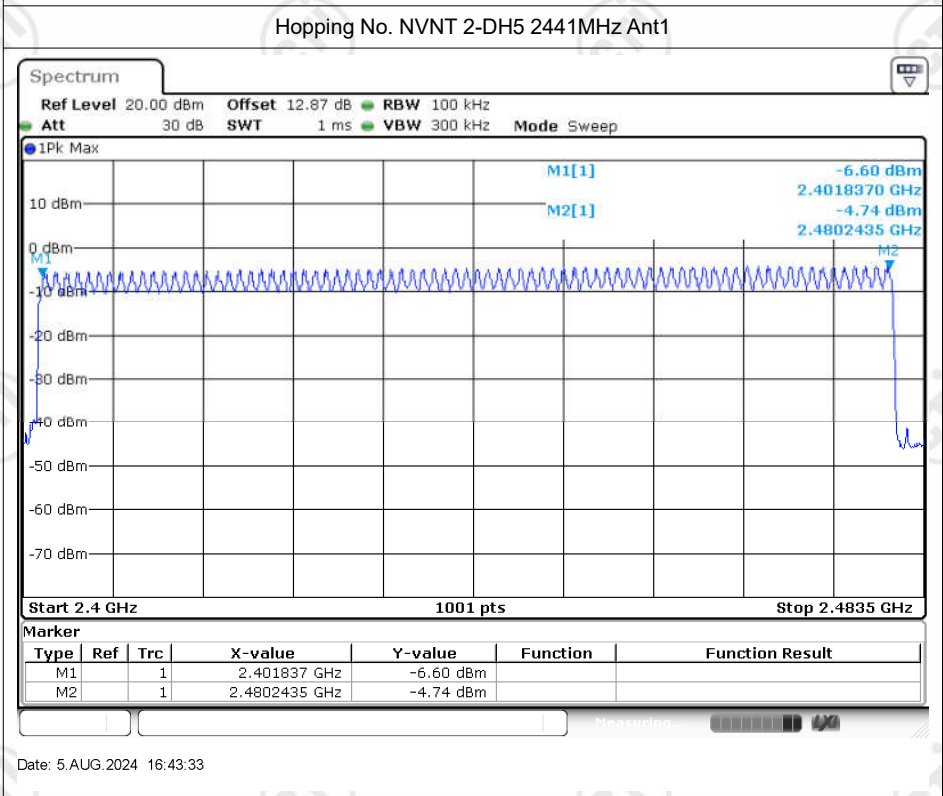
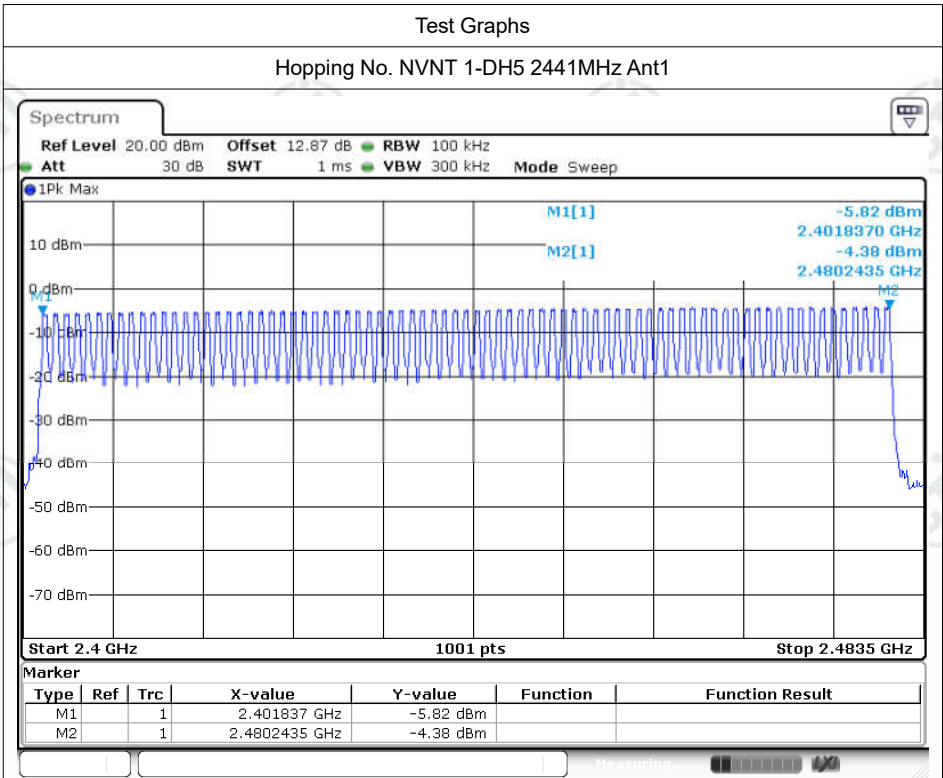


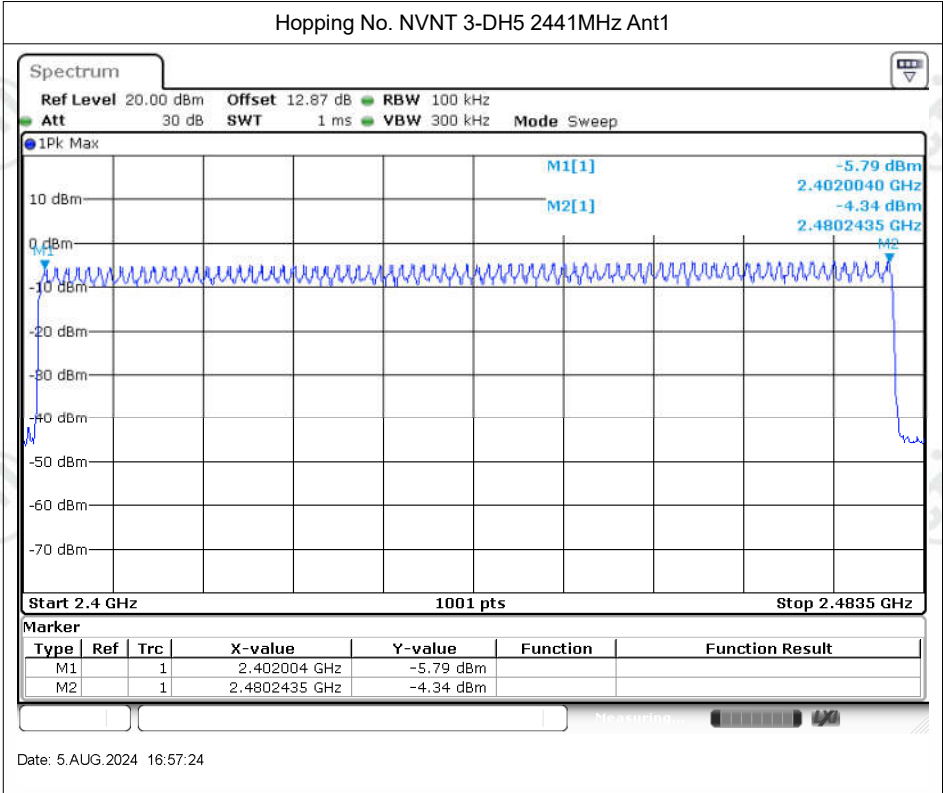




Number of Hopping Channel

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





*** End of Report ***