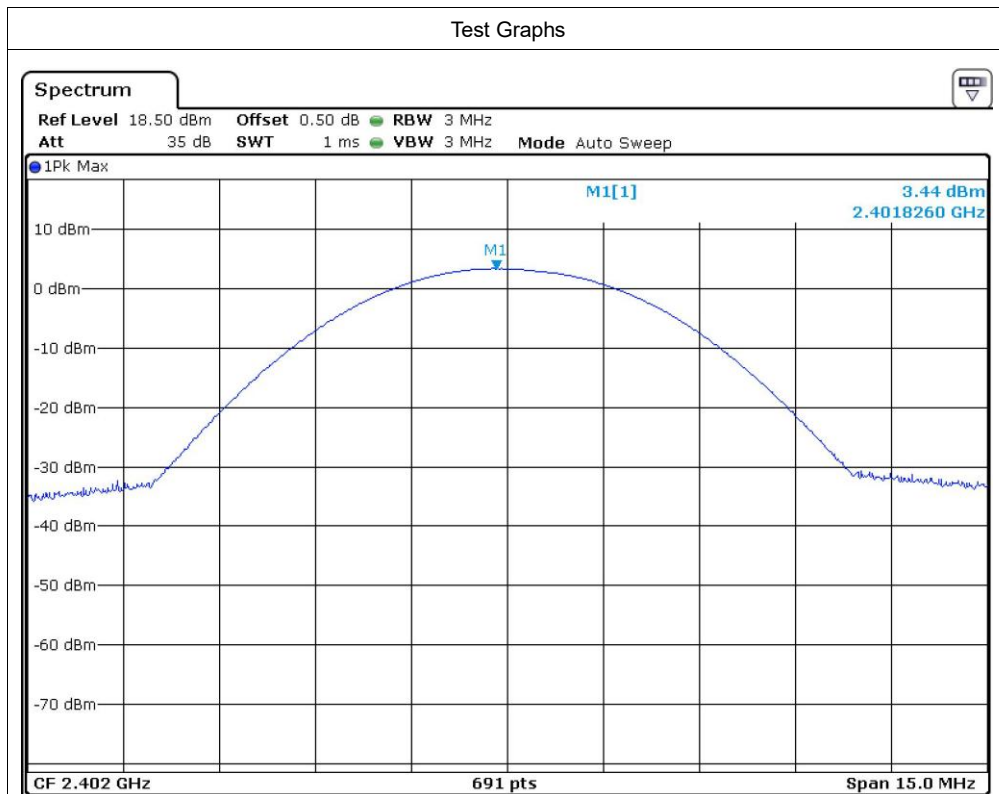


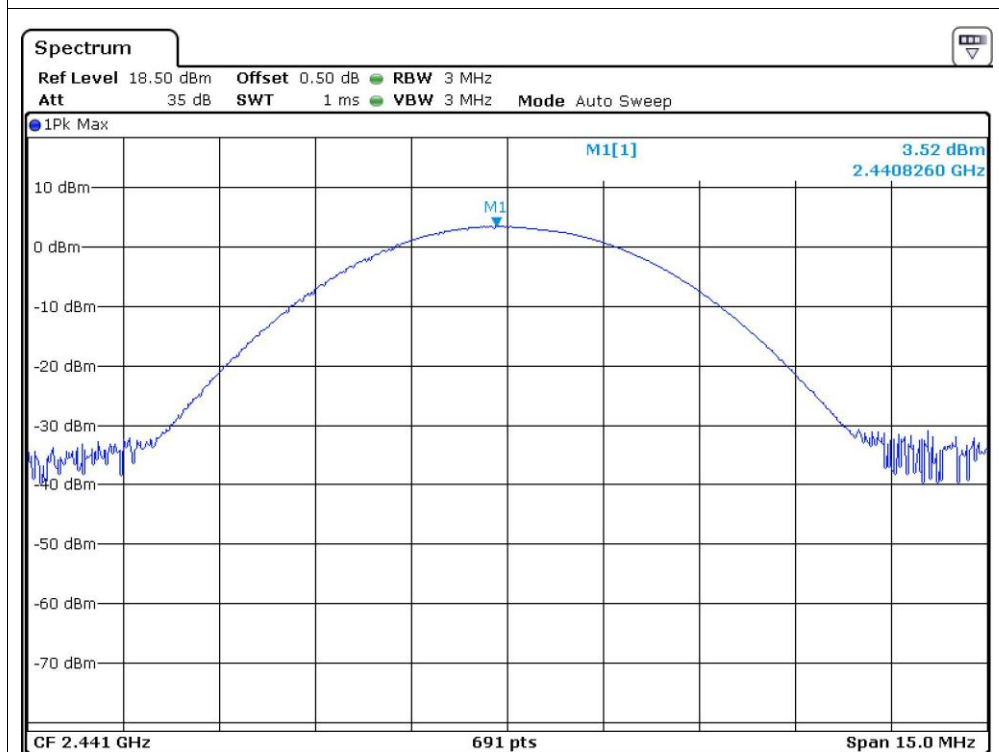
Test Data

Maximum Conducted Output Power

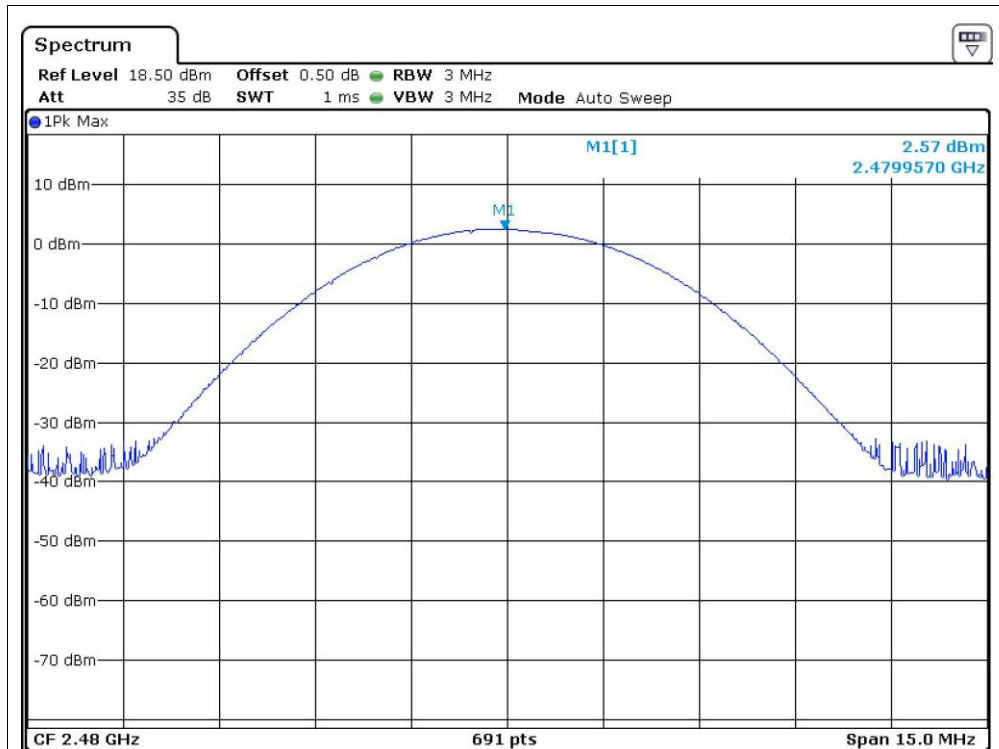
Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
GFSK	2402	Ant1	3.44	20.97	Pass
	2441	Ant1	3.52	20.97	Pass
	2480	Ant1	2.57	20.97	Pass
$\pi/4$ -DQPSK	2402	Ant1	5.85	20.97	Pass
	2441	Ant1	5.82	20.97	Pass
	2480	Ant1	4.54	20.97	Pass
8DPSK	2402	Ant1	3.28	20.97	Pass
	2441	Ant1	3.36	20.97	Pass
	2480	Ant1	2.37	20.97	Pass



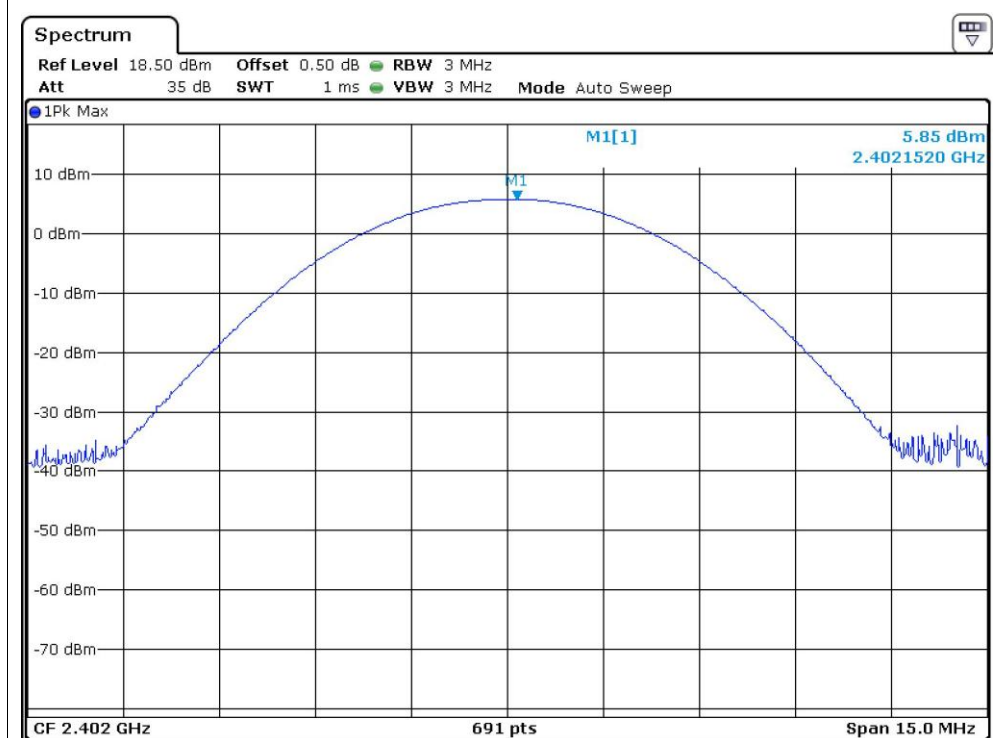
Power NVNT GFSK 2402MHz Ant1



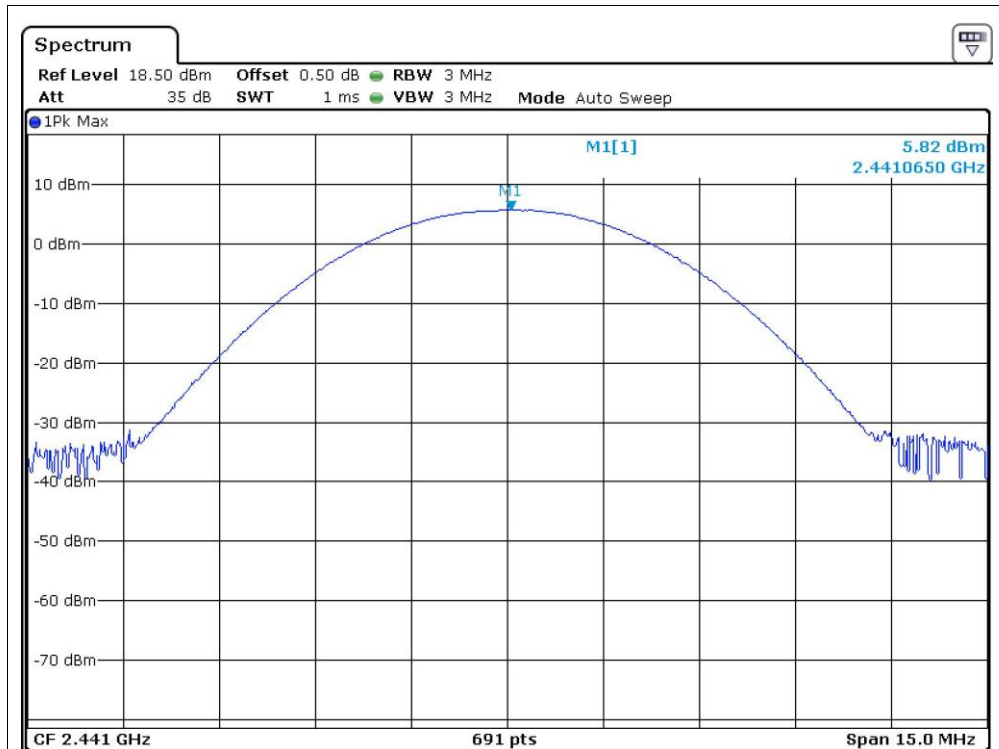
Power NVNT GFSK 2441MHz Ant1



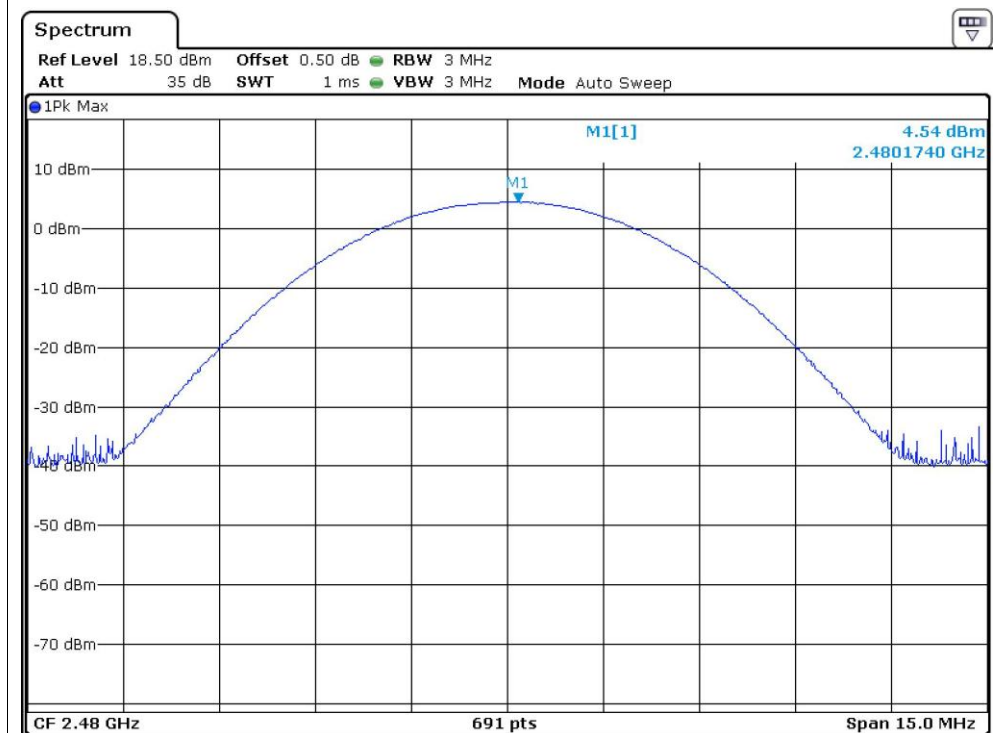
Power NVNT GFSK 2480MHz Ant1



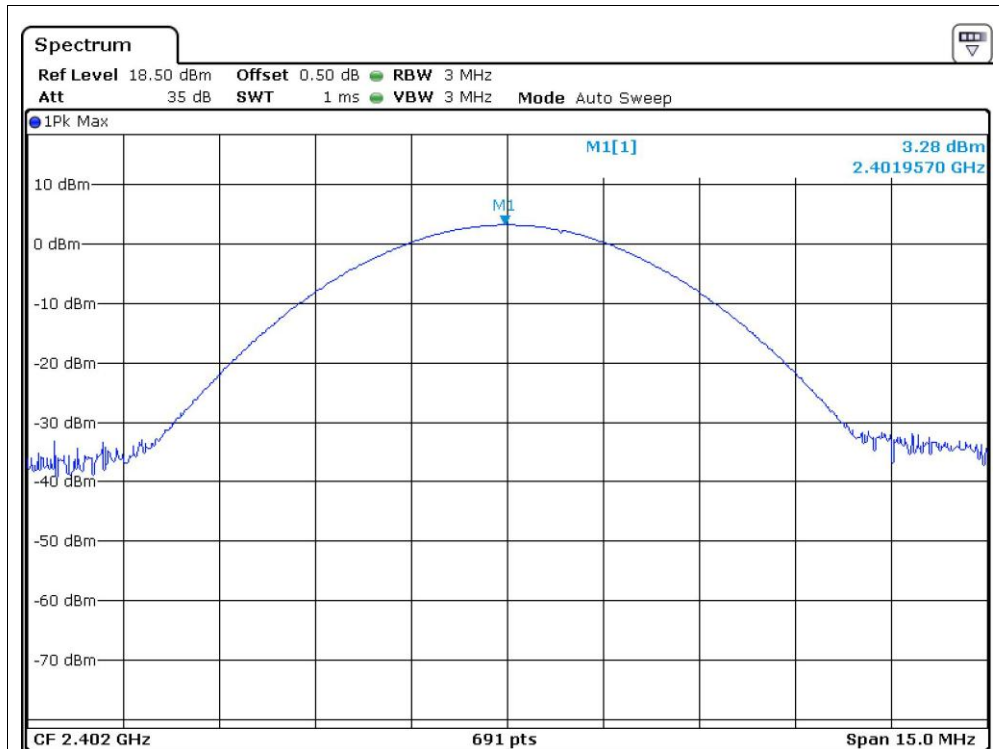
Power NVNT $\pi/4$ -DQPSK 2402MHz Ant1



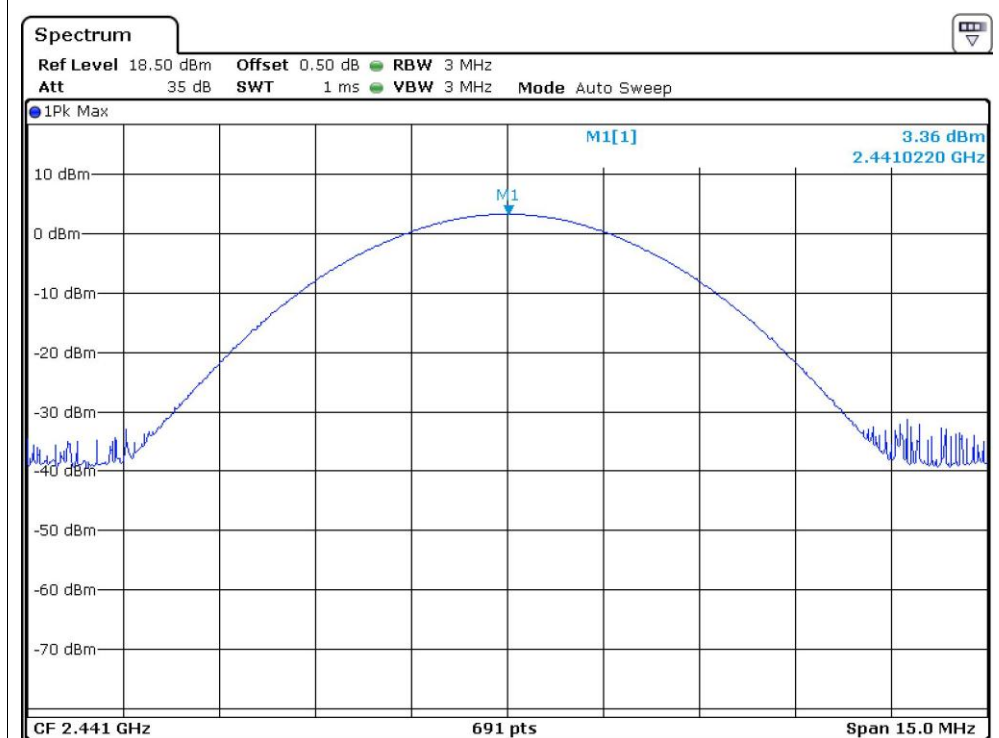
Power NVNT $\pi/4$ -DQPSK 2441MHz Ant1



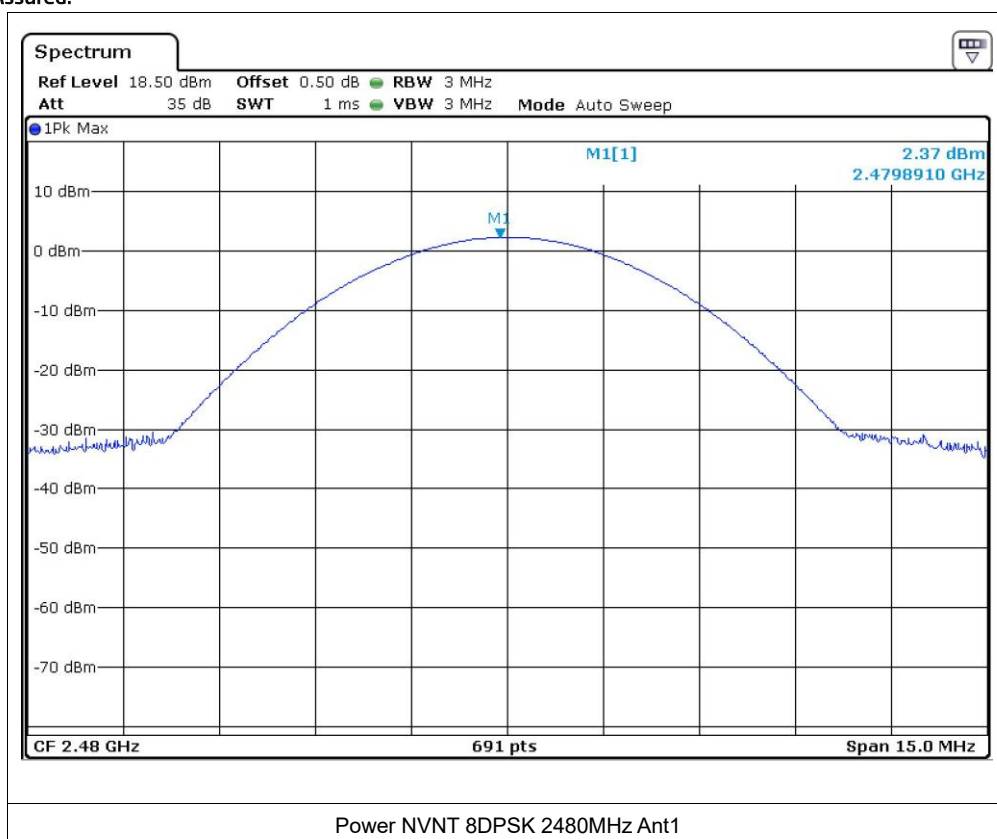
Power NVNT $\pi/4$ -DQPSK 2480MHz Ant1



Power NVNT 8DPSK 2402MHz Ant1



Power NVNT 8DPSK 2441MHz Ant1

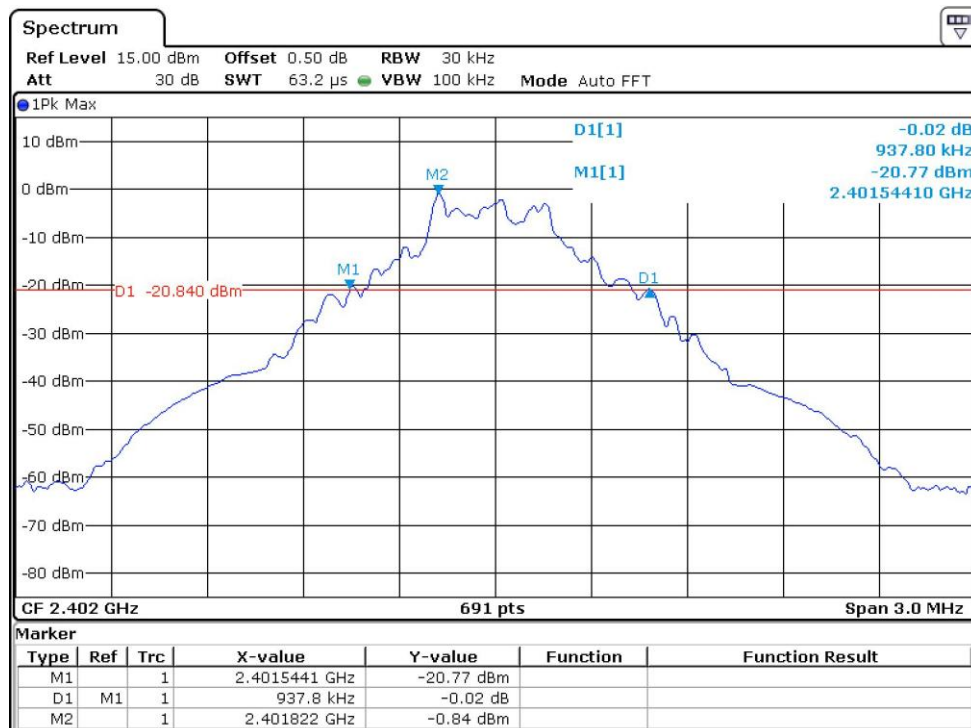


20dB Emission Bandwidth

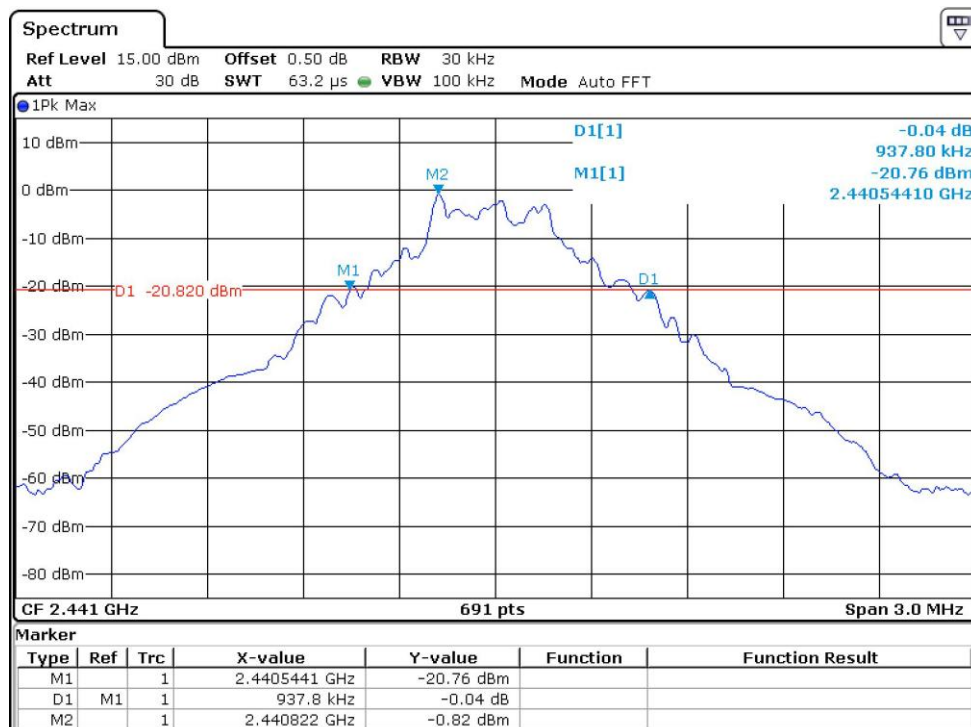
Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]
GFSK	Ant1	2402	0.938	2401.544	2402.482
		2441	0.938	2440.544	2441.482
		2480	0.938	2479.544	2480.482
$\pi/4$ -DQPSK	Ant1	2402	1.281	2401.356	2402.637
		2441	1.281	2440.356	2441.637
		2480	1.281	2479.358	2480.639
8DPSK	Ant1	2402	1.250	2401.366	2402.616
		2441	1.250	2440.366	2441.616
		2480	1.250	2479.366	2480.616

Test Graphs

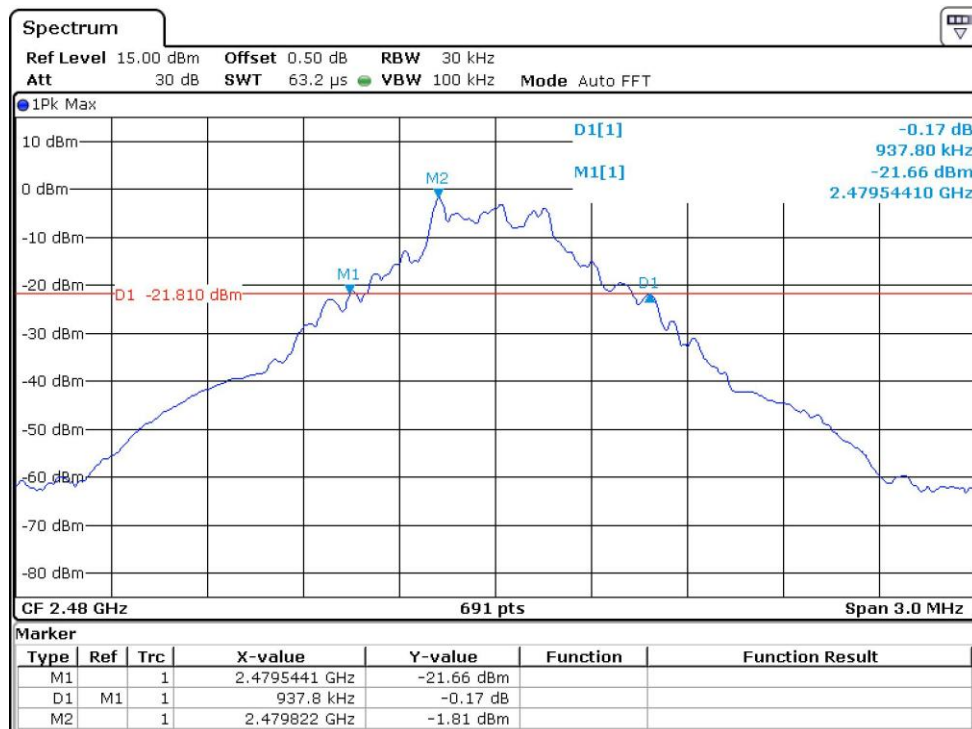
DH5_Ant1_2402



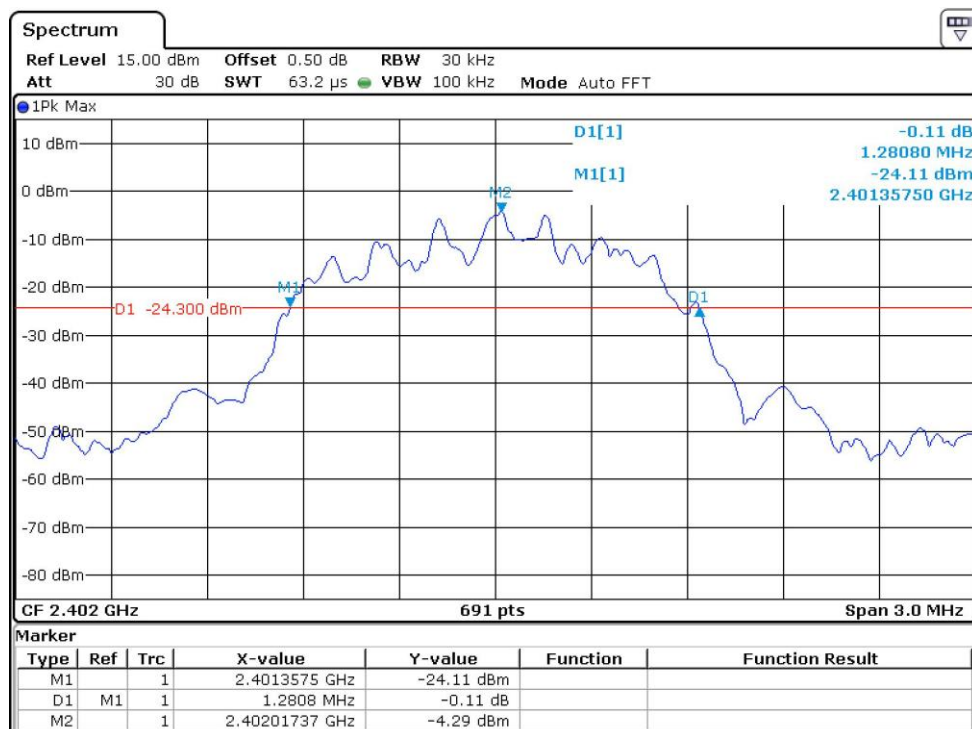
DH5_Ant1_2441



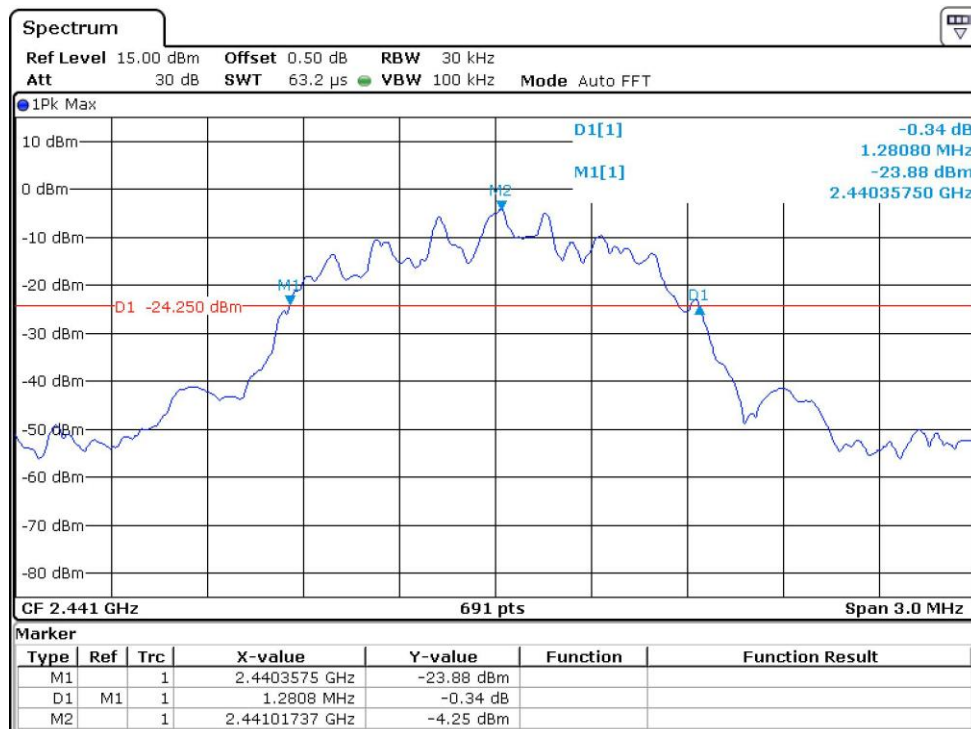
DH5_Ant1_2480



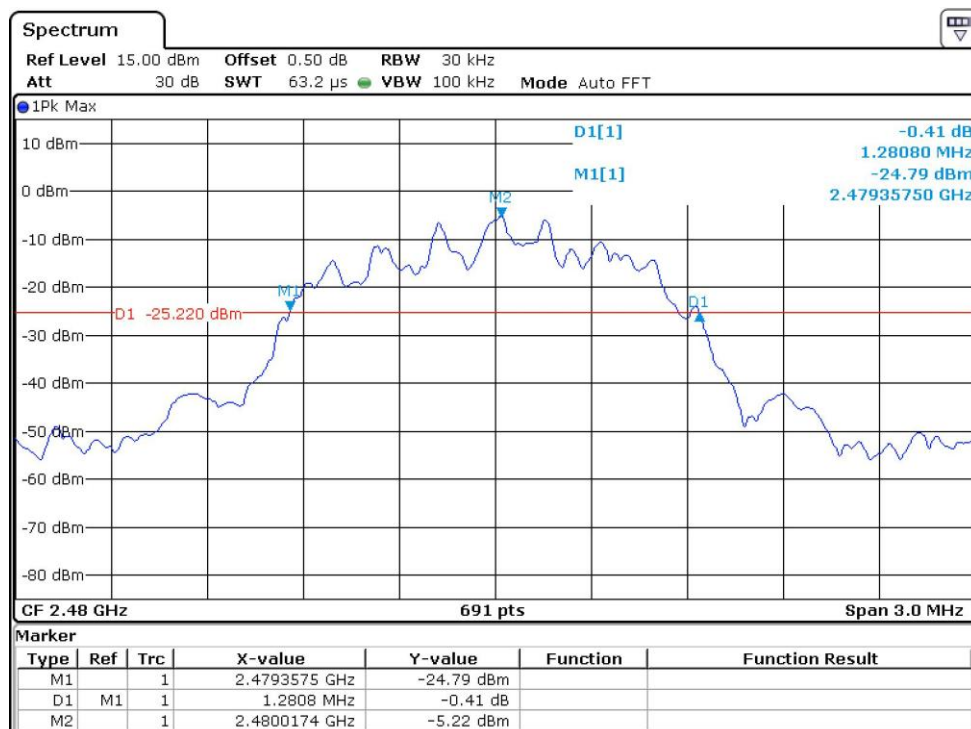
2DH5_Ant1_2402



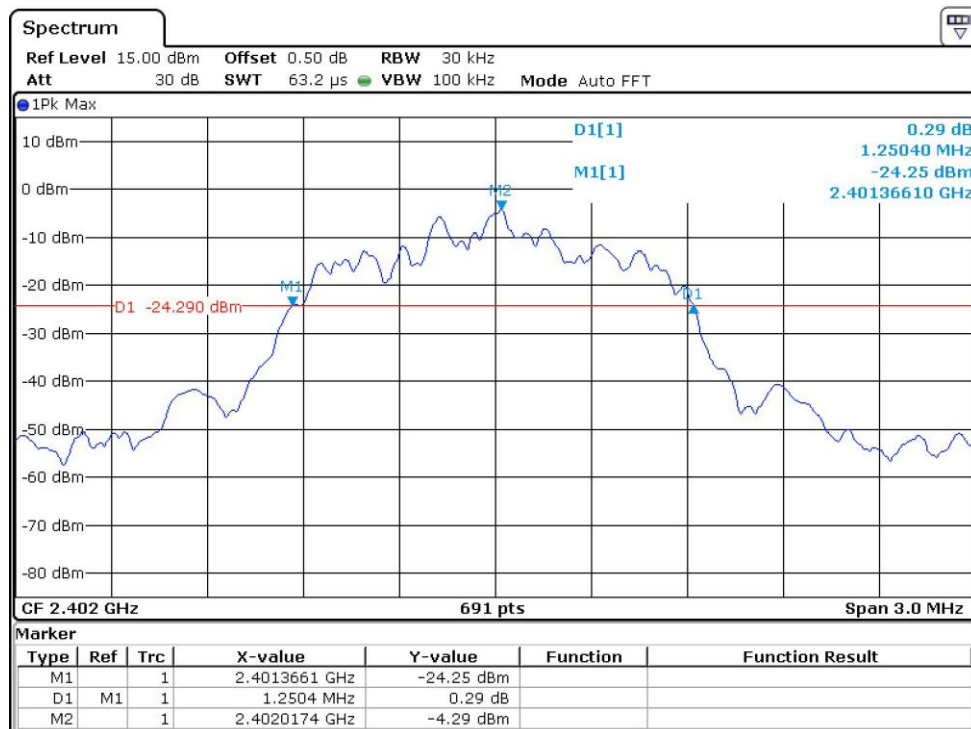
2DH5_Ant1_2441



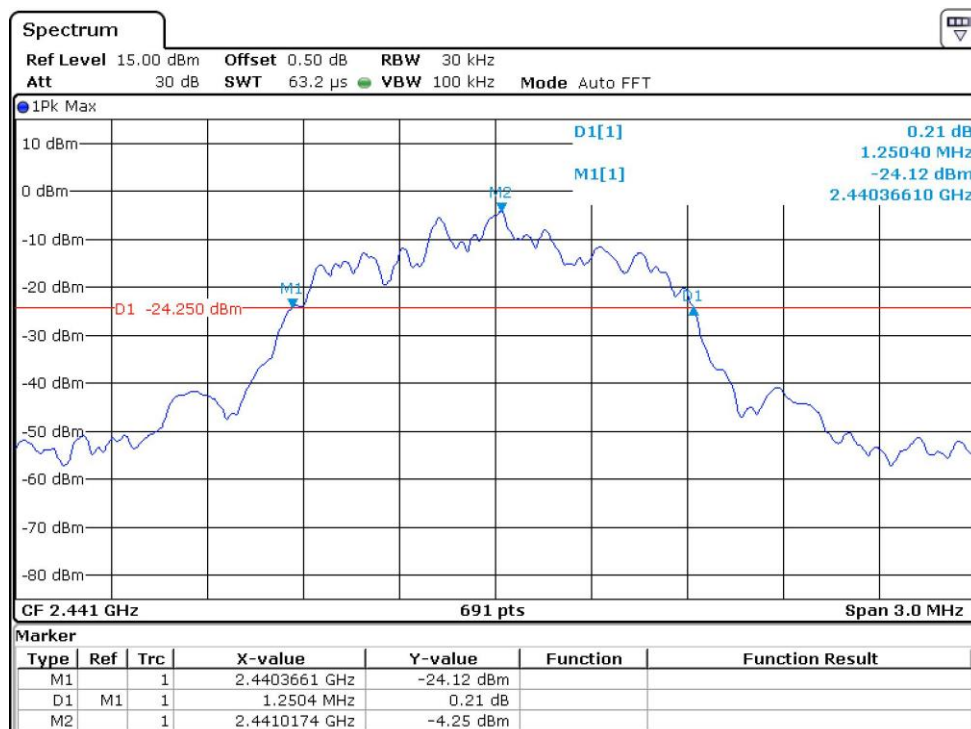
2DH5_Ant1_2480



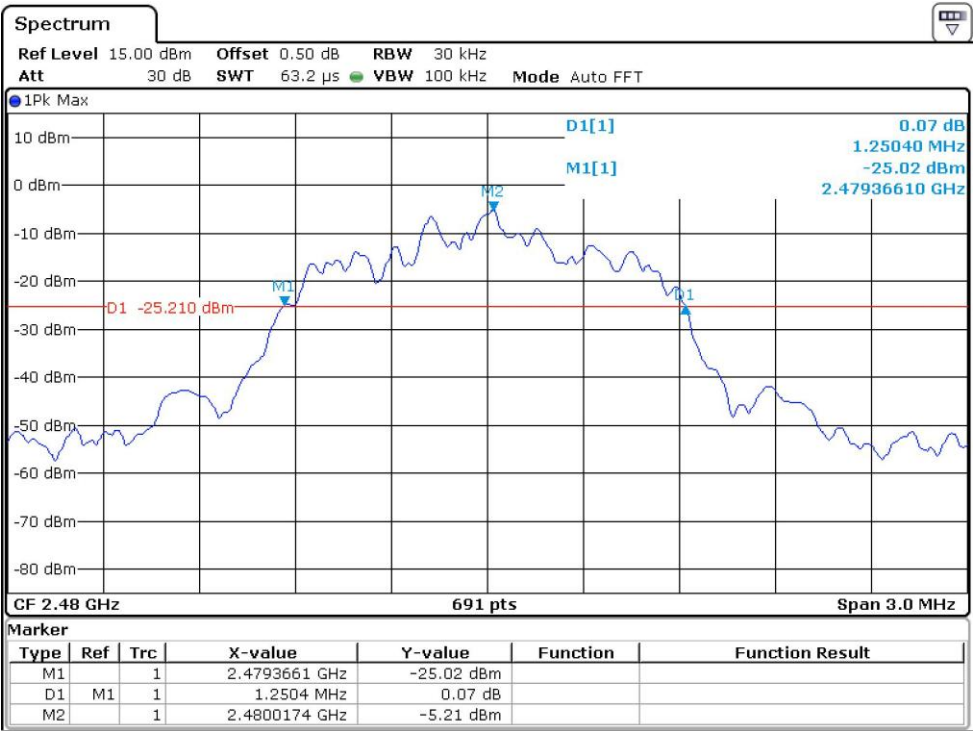
3DH5_Ant1_2402



3DH5_Ant1_2441

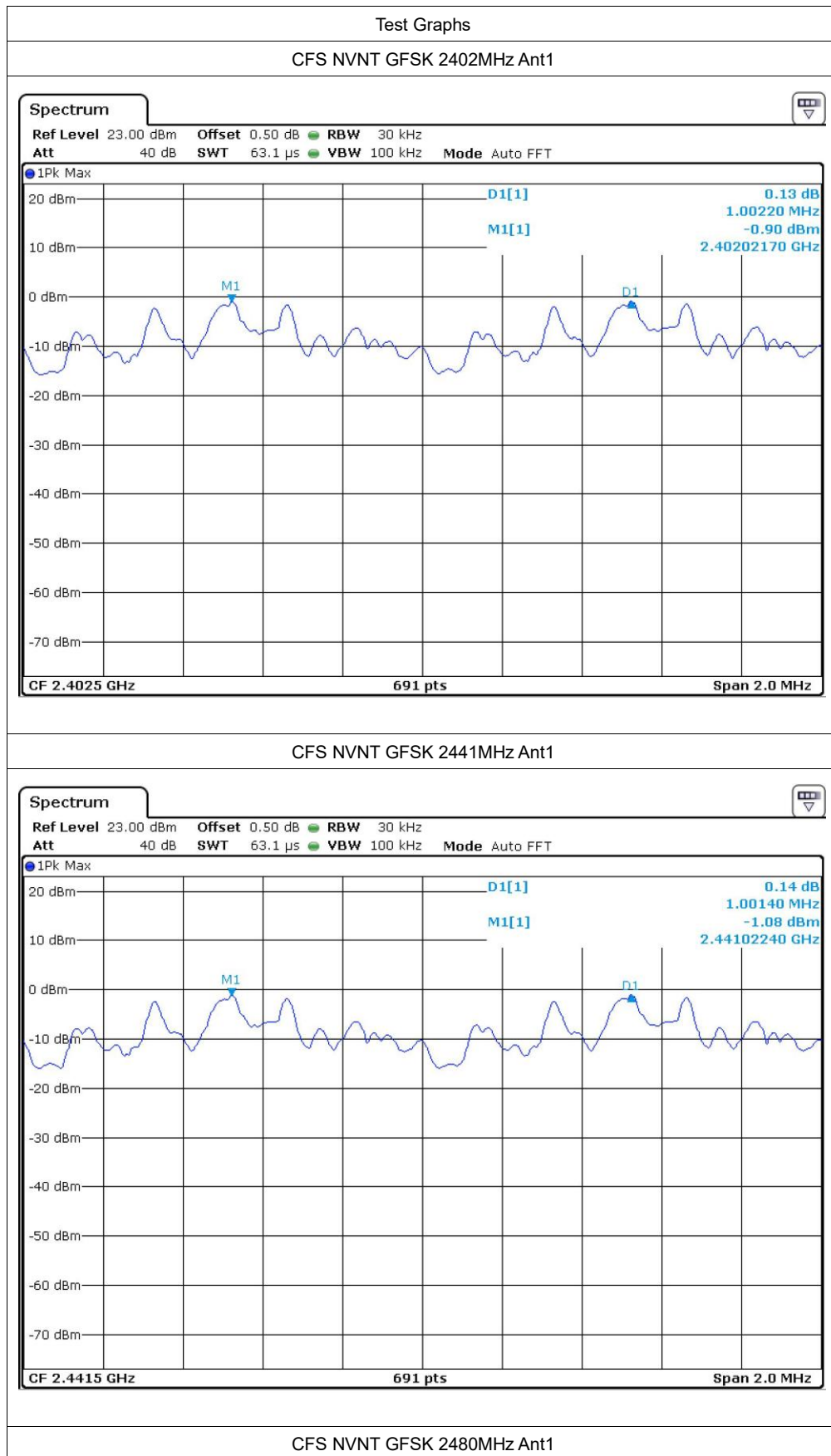


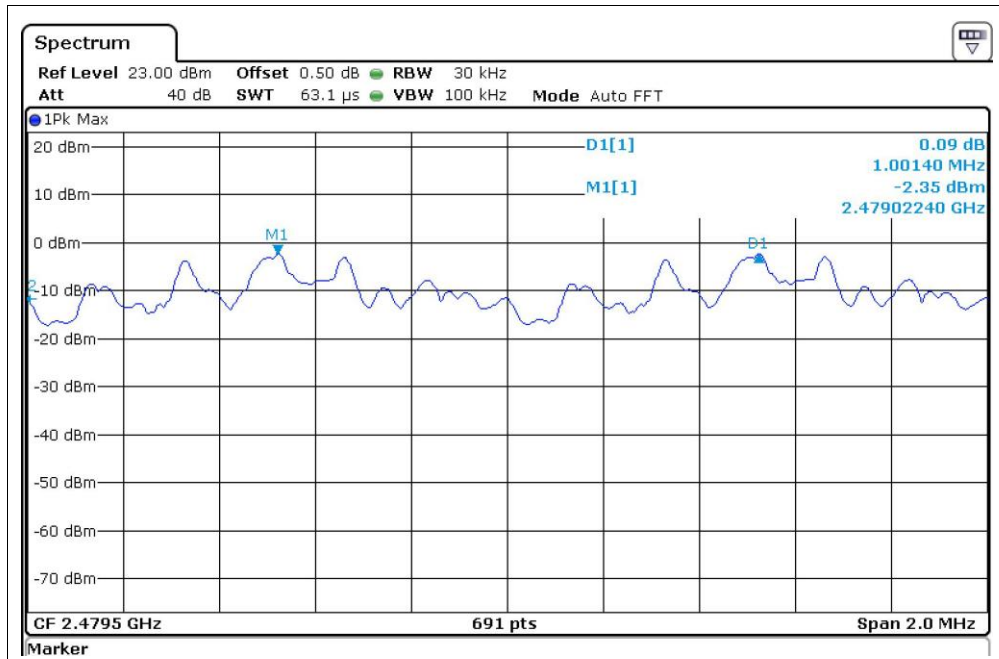
3DH5_Ant1_2480



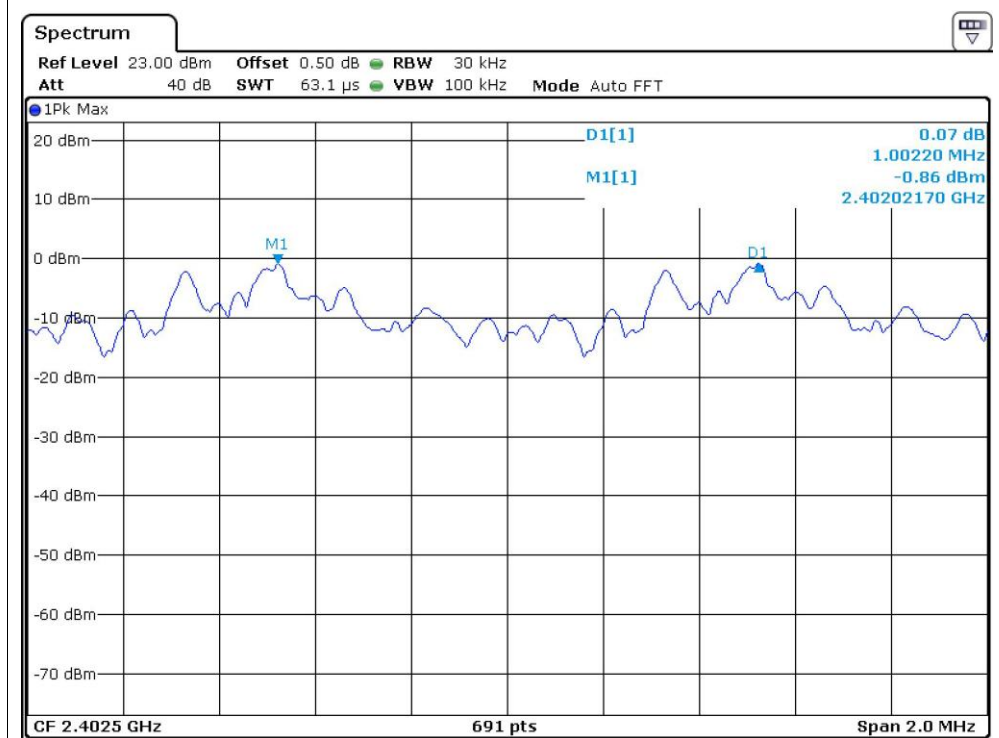
Carrier Frequencies Separation

Mode	Antenna	Channel Separation (MHz)	Limit (MHz)	Verdict
GFSK	Ant1	1.002	0.630	Pass
	Ant1	1.001	0.630	Pass
	Ant1	1.001	0.630	Pass
$\pi/4$ -DQPSK	Ant1	1.002	0.840	Pass
	Ant1	0.999	0.840	Pass
	Ant1	1.001	0.840	Pass
8DPSK	Ant1	1.001	0.844	Pass
	Ant1	1.001	0.844	Pass
	Ant1	1.001	0.844	Pass

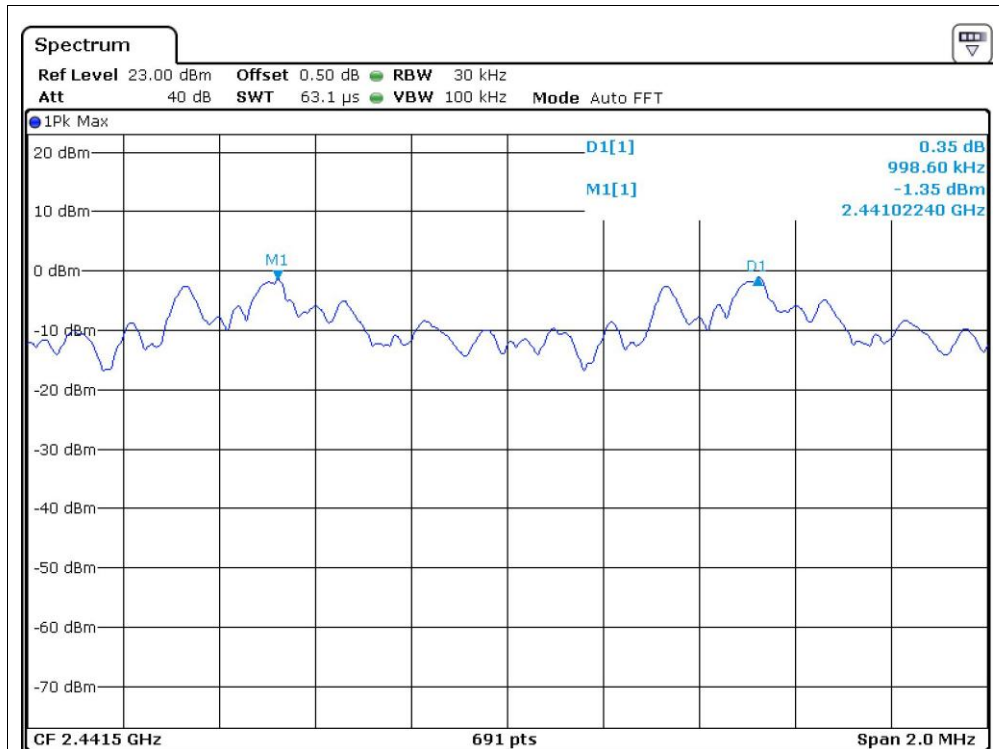




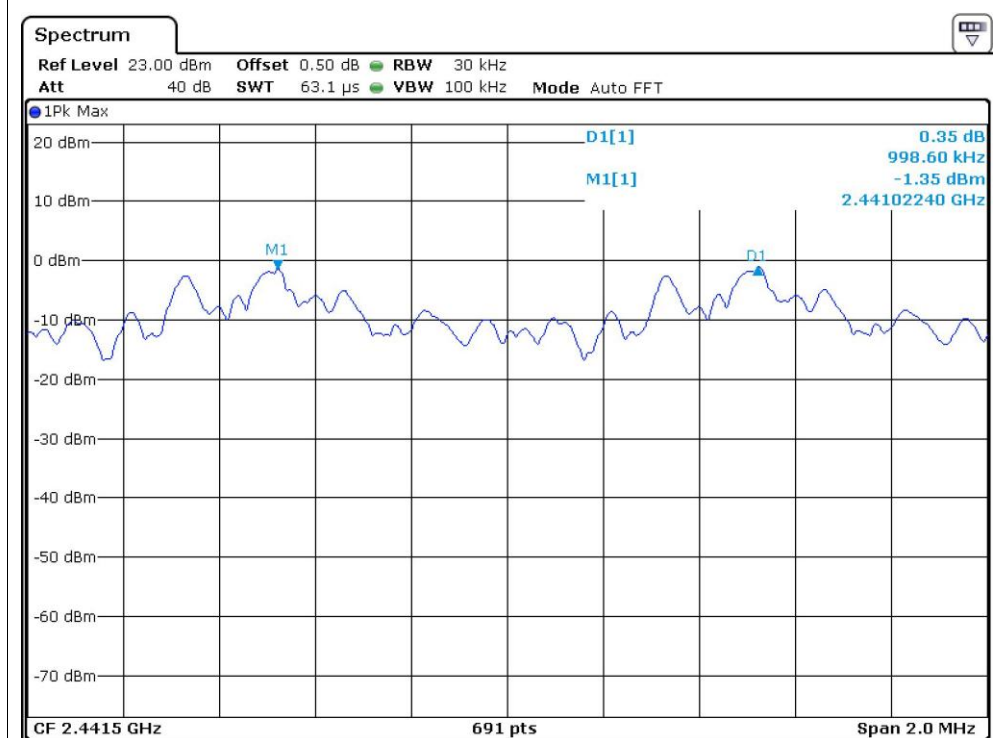
CFS NVNT $\pi/4$ -DQPSK 2402MHz Ant1



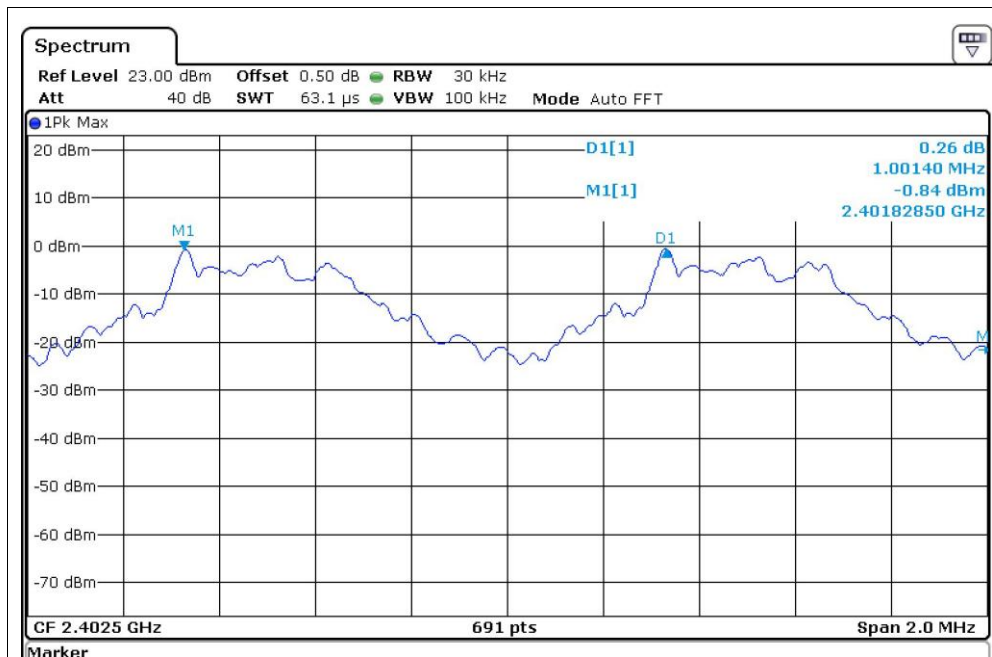
CFS NVNT $\pi/4$ -DQPSK 2441MHz Ant1



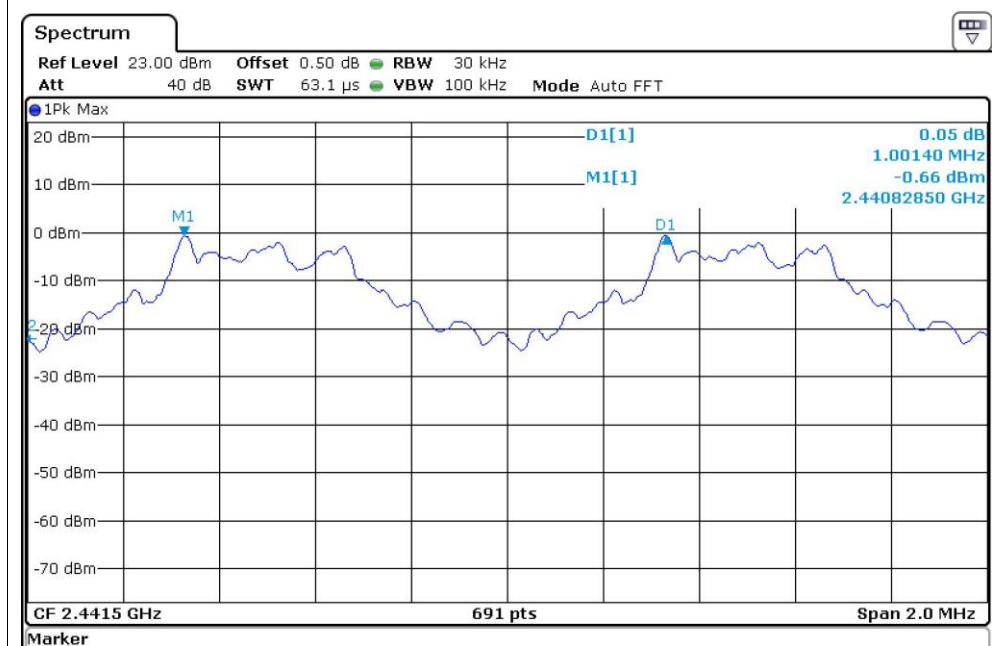
CFS NVNT $\pi/4$ -DQPSK 2480MHz Ant1



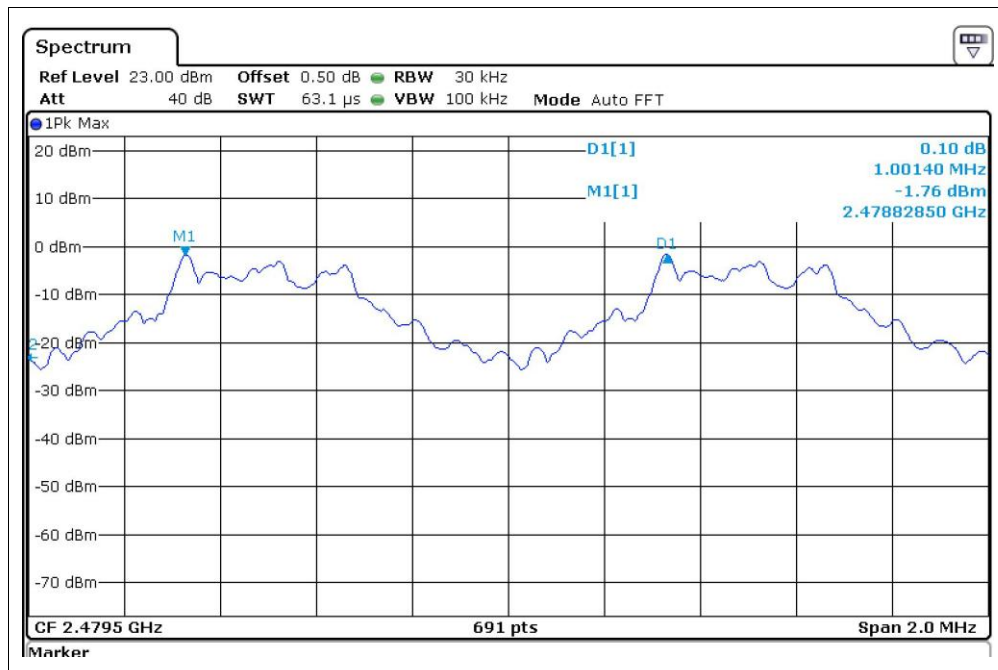
CFS NVNT 8DPSK 2402MHz Ant1



CFS NVNT 8DPSK 2441MHz Ant1

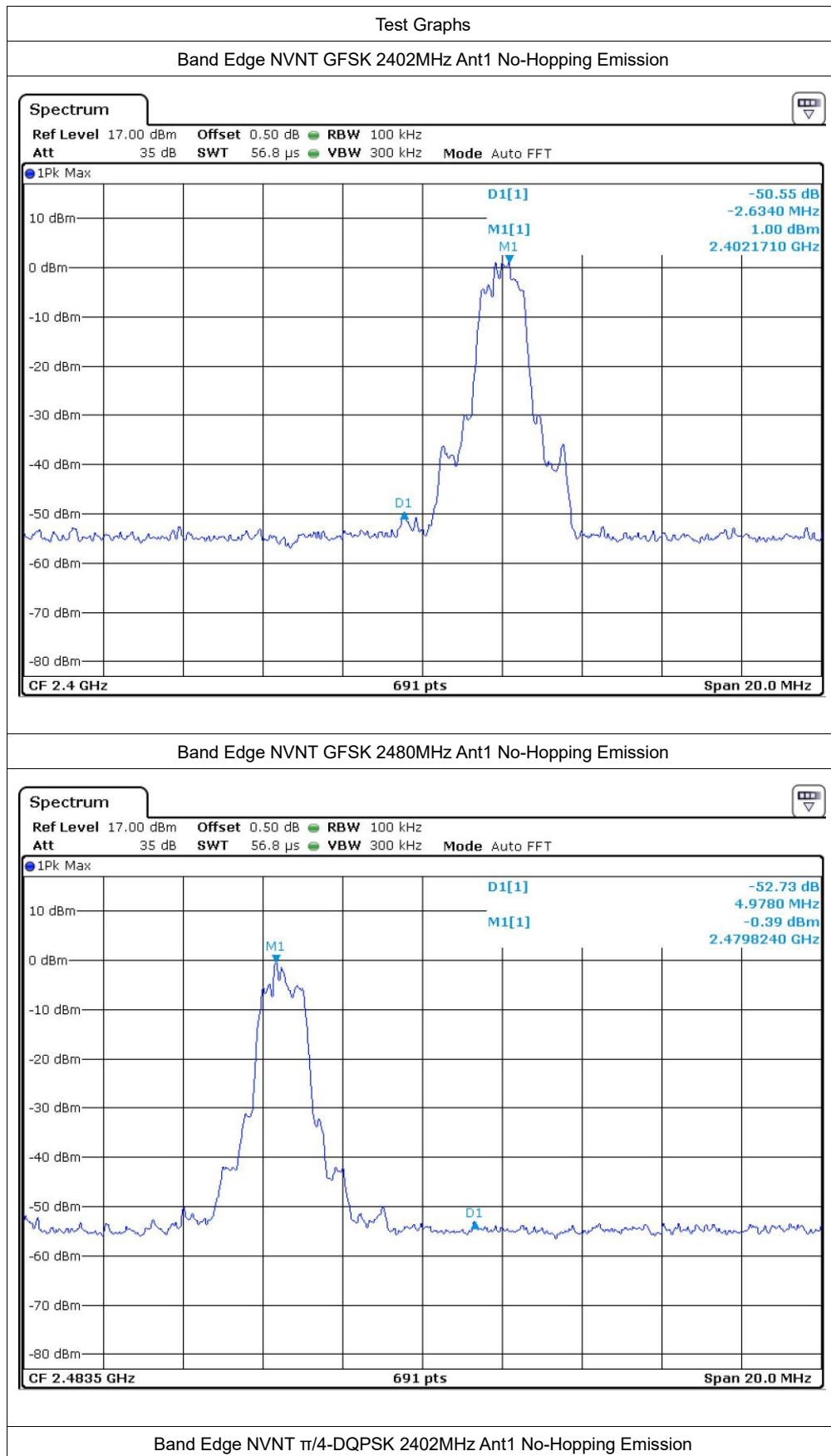


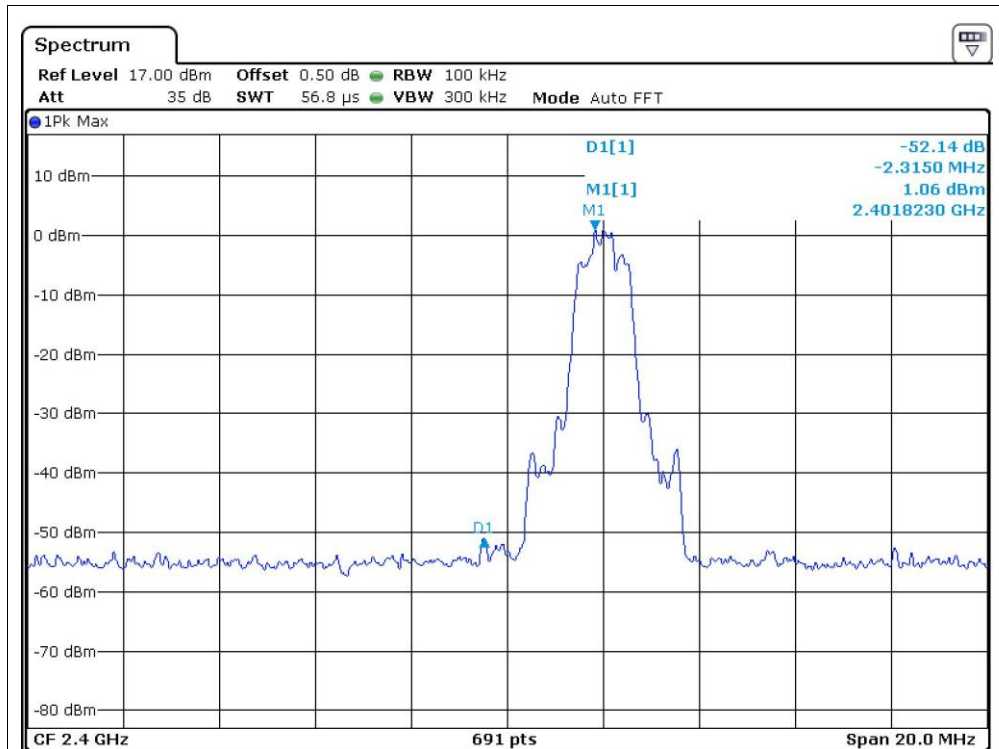
CFS NVNT 8DPSK 2480MHz Ant1



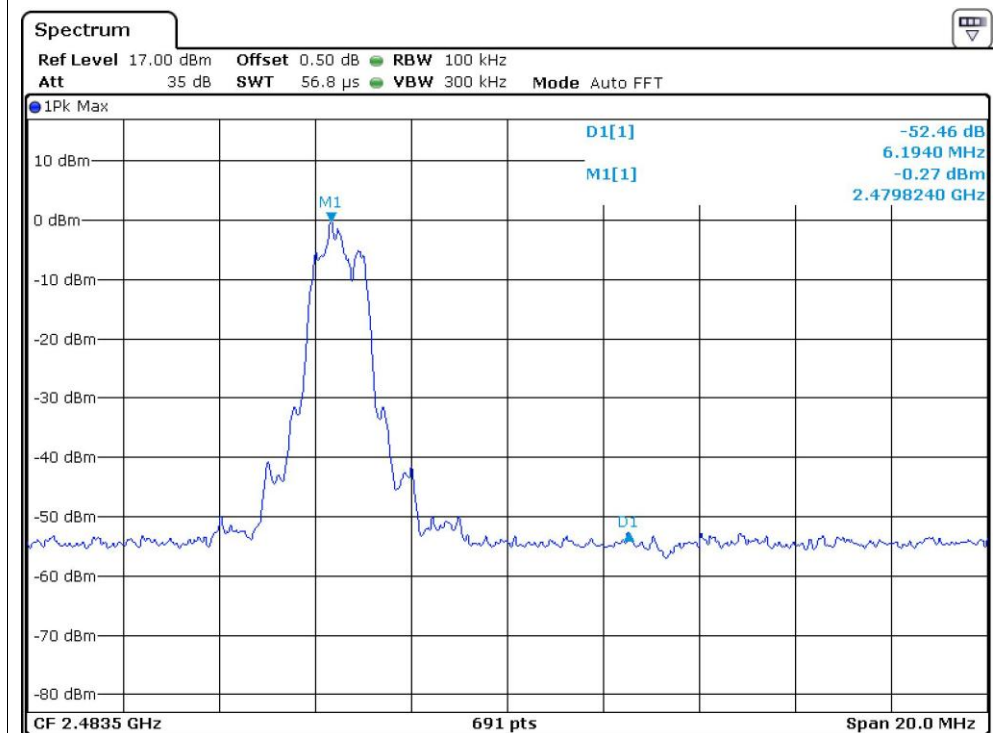
Band Edge

Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
GFSK	2402	Ant1	No-Hopping	-50.55	-20	Pass
	2480	Ant1	No-Hopping	-52.73	-20	Pass
$\pi/4$ -DQPSK	2402	Ant1	No-Hopping	-52.14	-20	Pass
	2480	Ant1	No-Hopping	-52.46	-20	Pass
8DPSK	2402	Ant1	No-Hopping	-48.26	-20	Pass
	2480	Ant1	No-Hopping	-51.93	-20	Pass

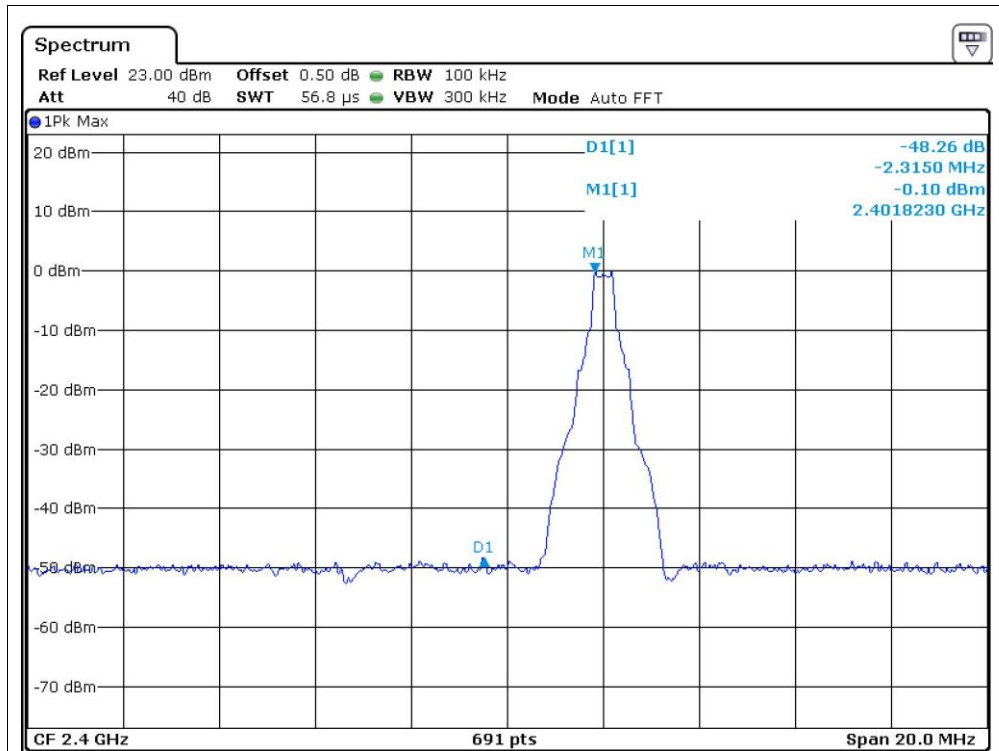




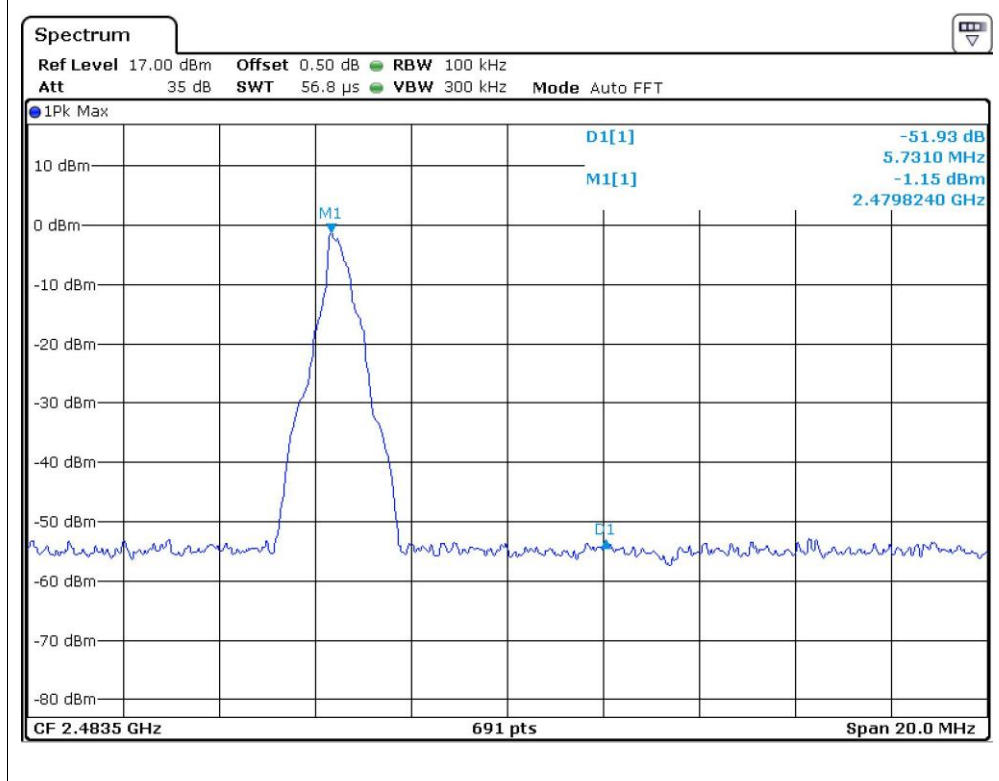
Band Edge NVNT $\pi/4$ -DQPSK 2480MHz Ant1 No-Hopping Emission



Band Edge NVNT 8DPSK 2402MHz Ant1 No-Hopping Emission

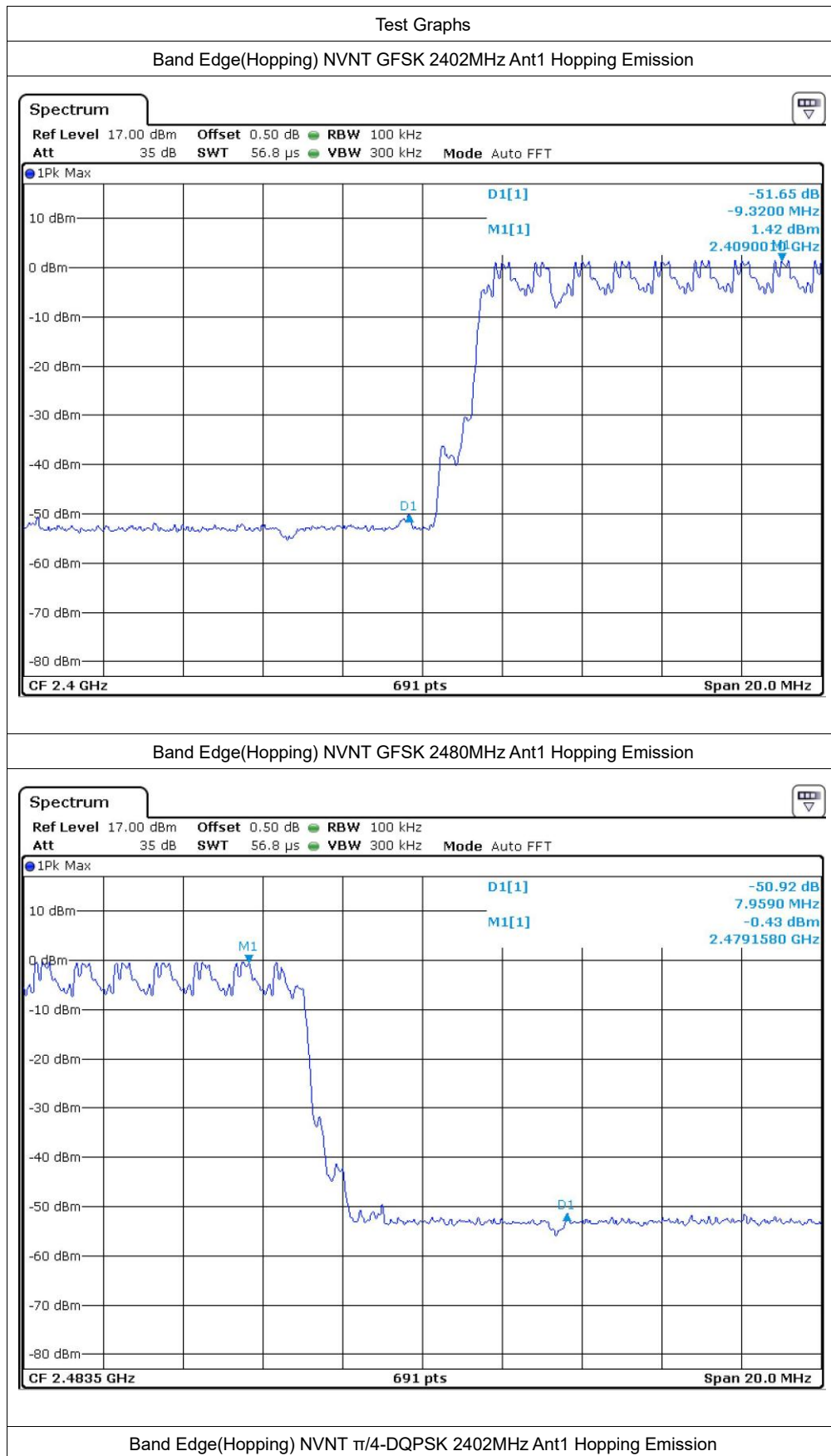


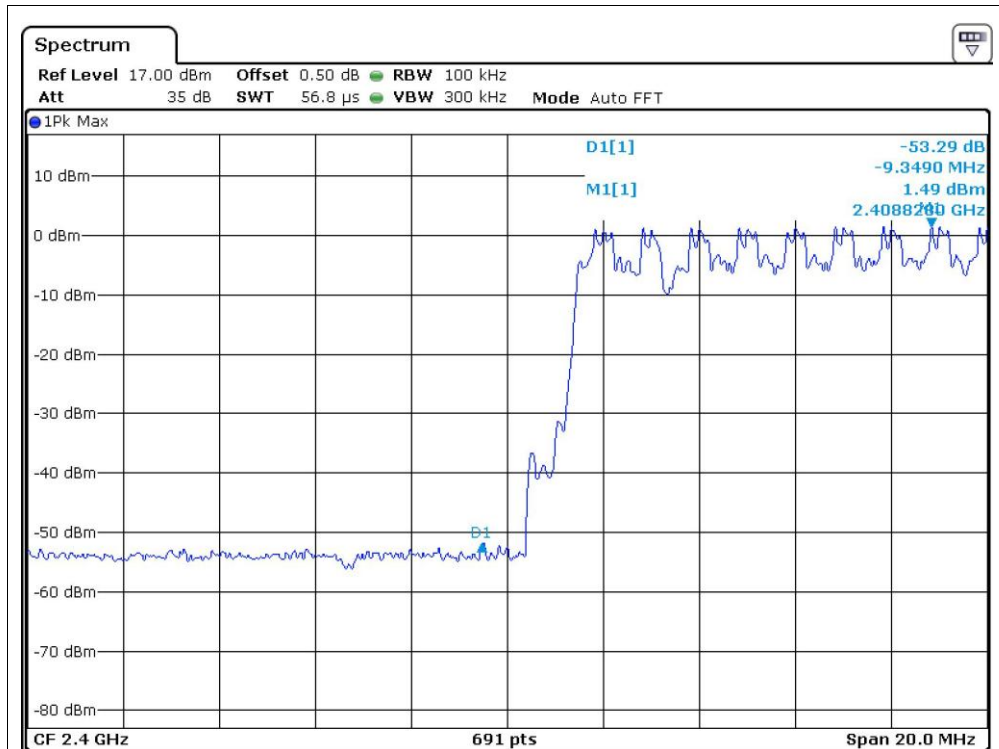
Band Edge NVNT 8DPSK 2480MHz Ant1 No-Hopping Emission



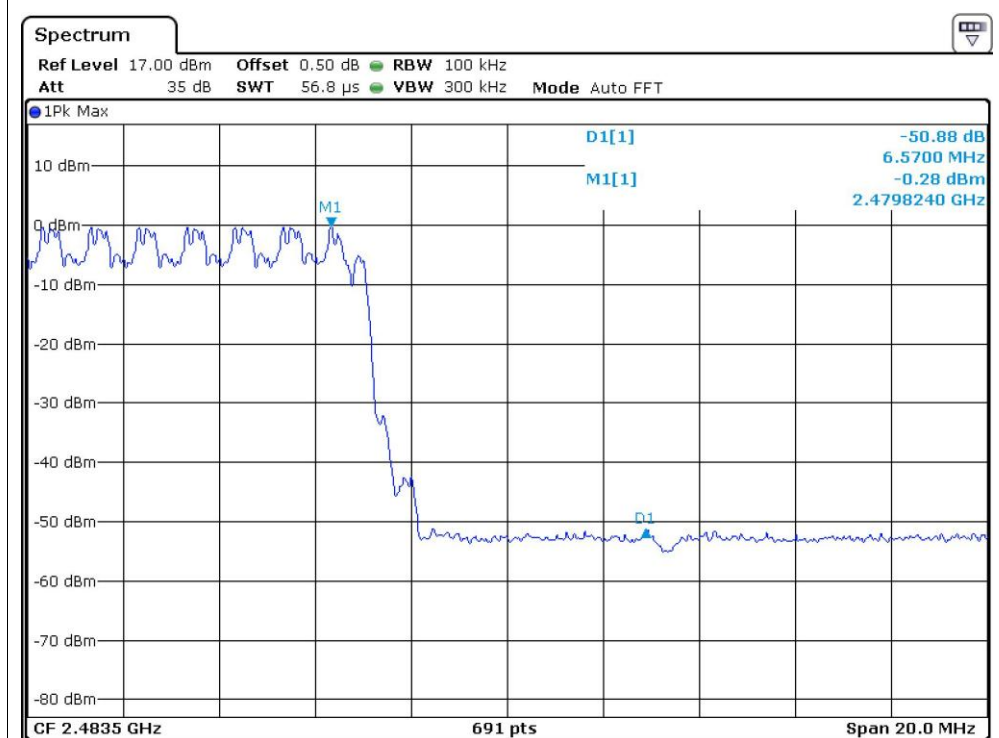
Band Edge(Hopping)

Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
GFSK	2402	Ant1	Hopping	-51.65	-20	Pass
	2480	Ant1	Hopping	-50.92	-20	Pass
$\pi/4$ -DQPSK	2402	Ant1	Hopping	-53.29	-20	Pass
	2480	Ant1	Hopping	-50.88	-20	Pass
8DPSK	2402	Ant1	Hopping	-52.64	-20	Pass
	2480	Ant1	Hopping	-51.52	-20	Pass

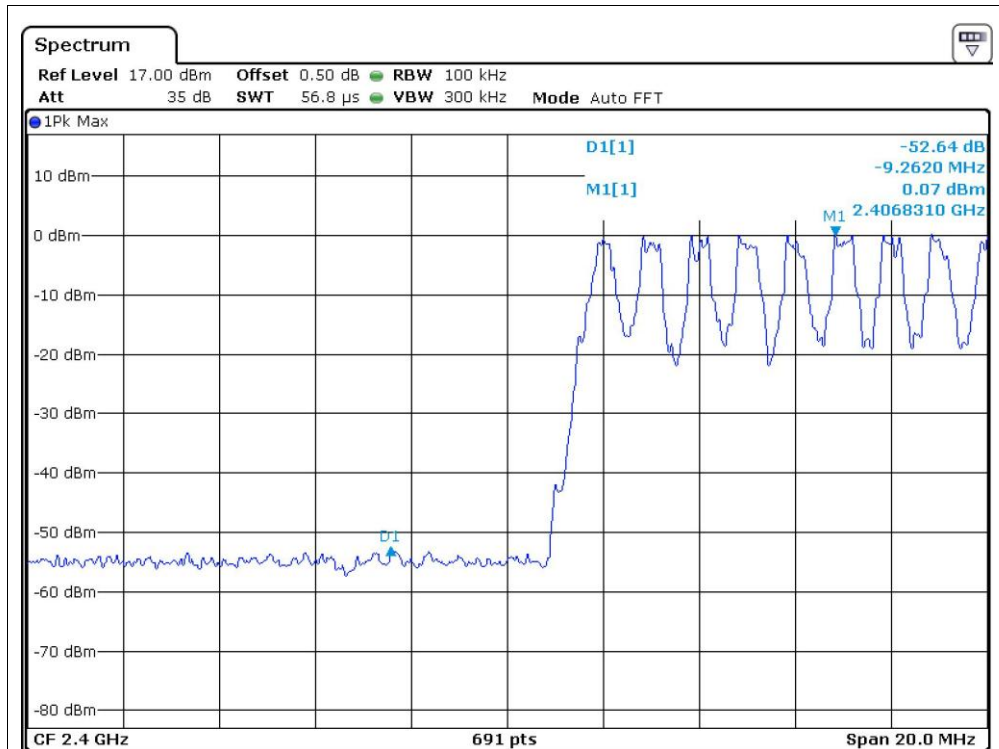




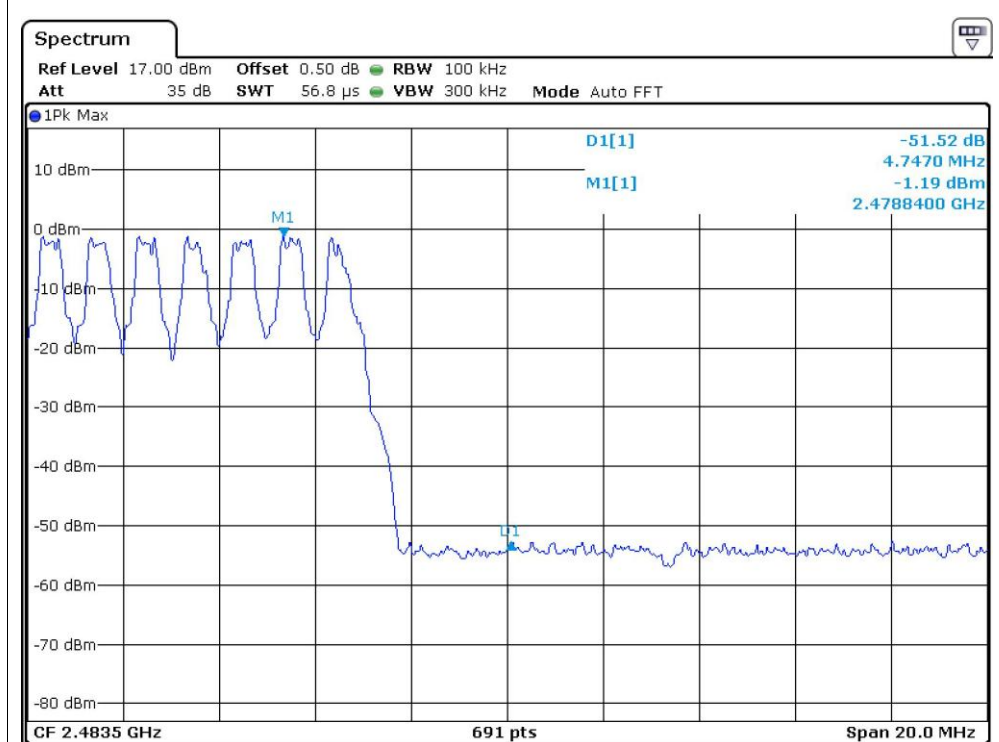
Band Edge(Hopping) NVNT $\pi/4$ -DQPSK 2480MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 8DPSK 2402MHz Ant1 Hopping Emission

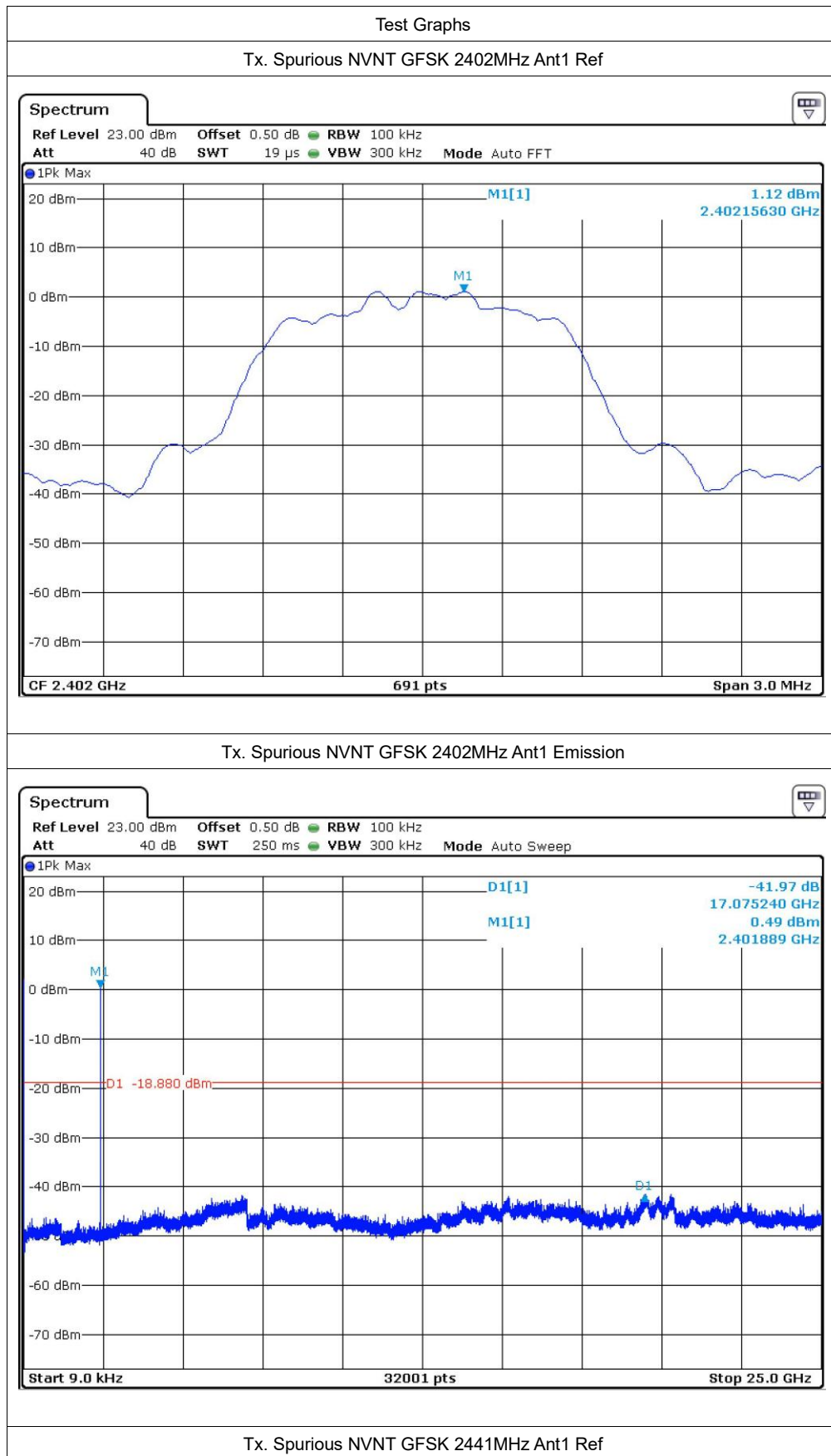


Band Edge(Hopping) NVNT 8DPSK 2480MHz Ant1 Hopping Emission



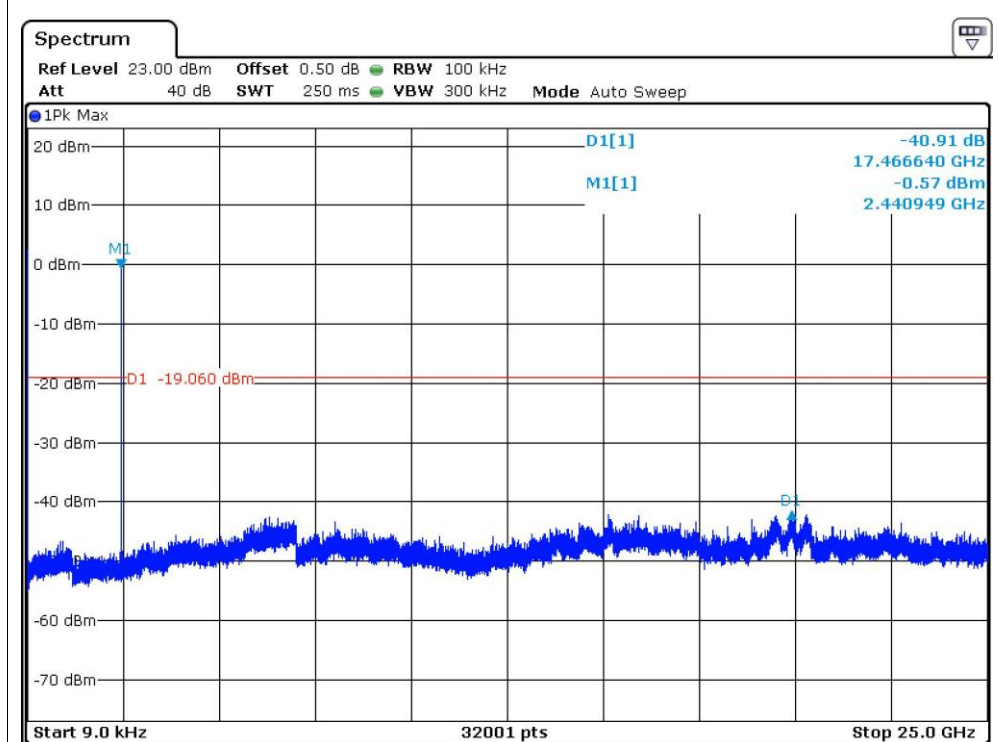
Conducted RF Spurious Emission

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
GFSK	2402	Ant1	-41.97	-20	Pass
	2441	Ant1	-40.91	-20	Pass
	2480	Ant1	-40.13	-20	Pass
$\pi/4$ -DQPSK	2402	Ant1	-38.82	-20	Pass
	2441	Ant1	-38.01	-20	Pass
	2480	Ant1	-37.45	-20	Pass
8DPSK	2402	Ant1	-40.70	-20	Pass
	2441	Ant1	-40.42	-20	Pass
	2480	Ant1	-40.27	-20	Pass





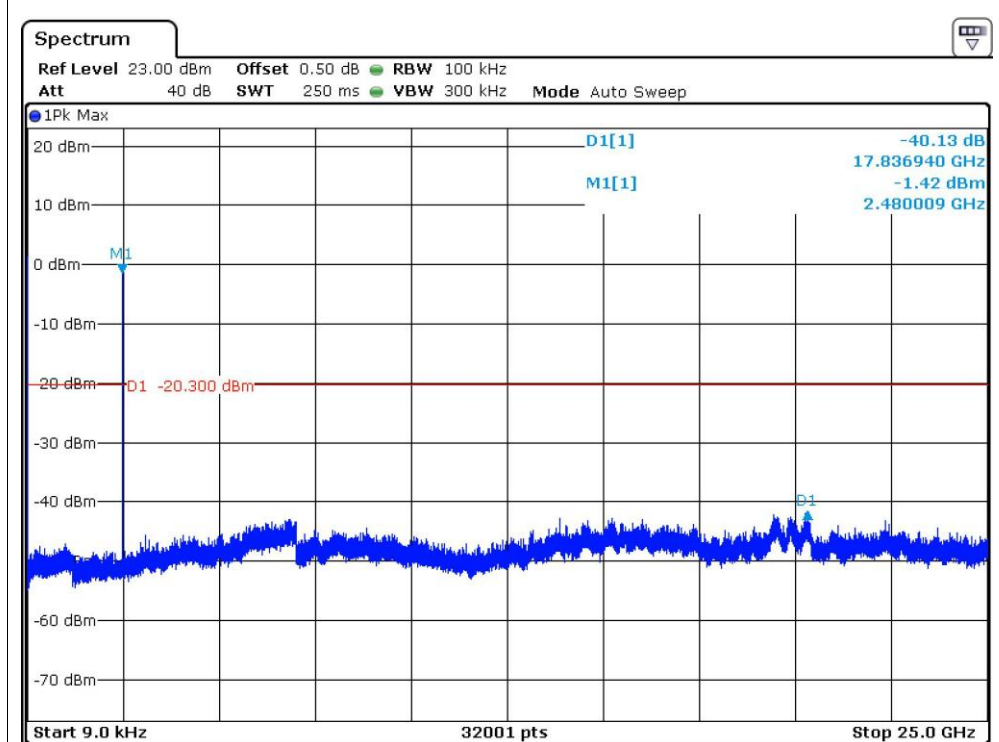
Tx. Spurious NVNT GFSK 2441MHz Ant1 Emission



Tx. Spurious NVNT GFSK 2480MHz Ant1 Ref



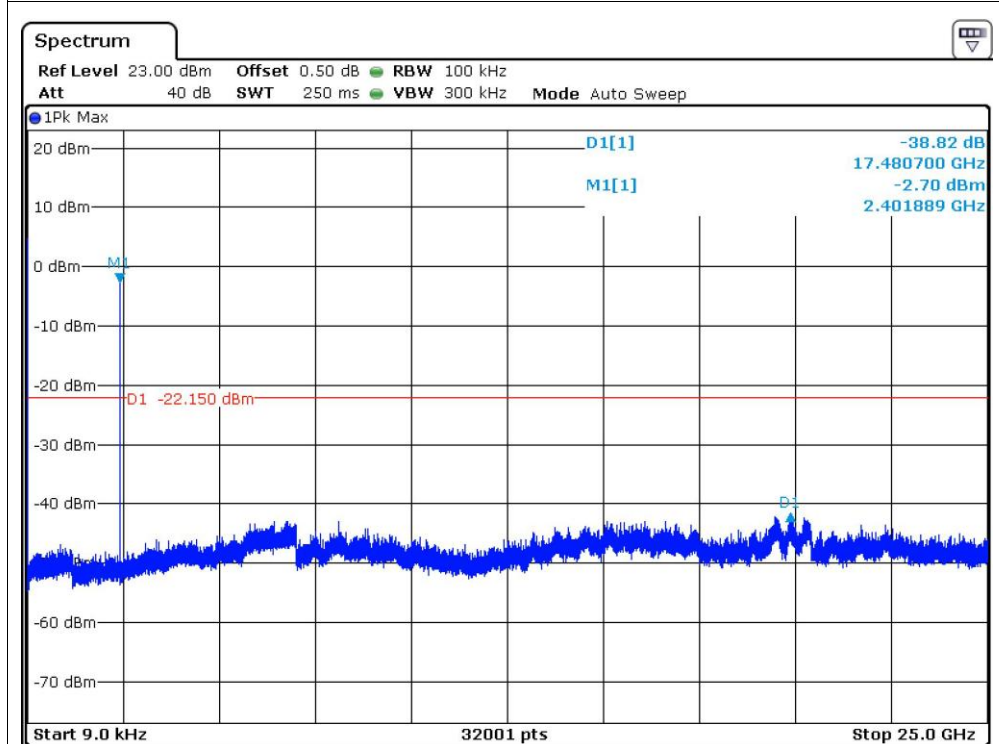
Tx. Spurious NVNT GFSK 2480MHz Ant1 Emission



Tx. Spurious NVNT $\pi/4$ -DQPSK 2402MHz Ant1 Ref



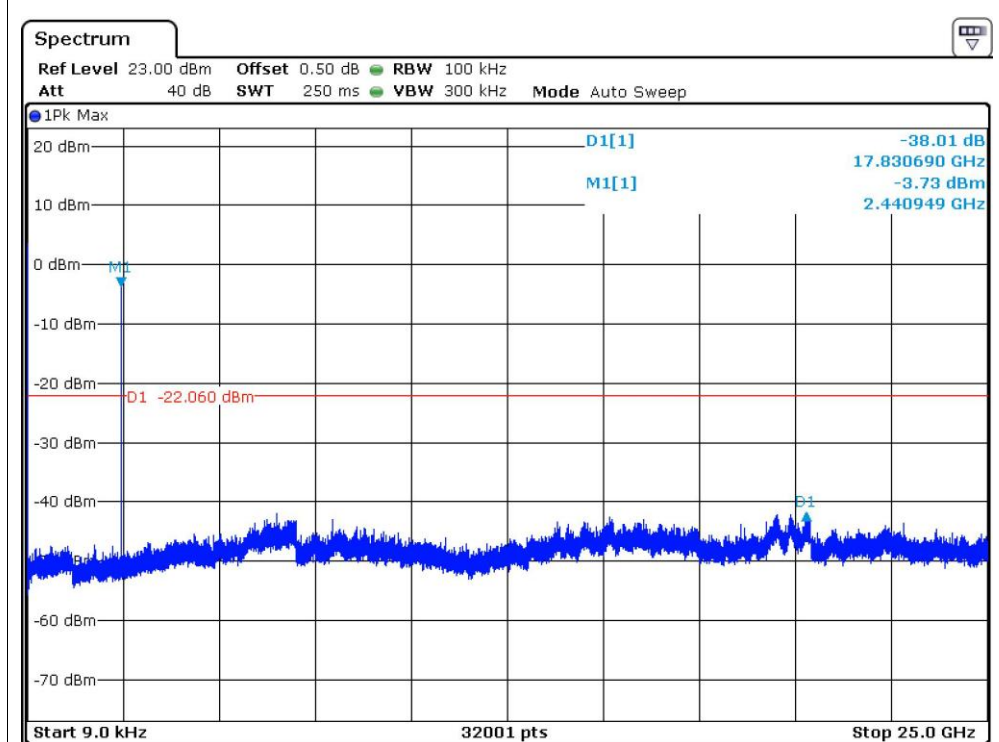
Tx. Spurious NVNT $\pi/4$ -DQPSK 2402MHz Ant1 Emission



Tx. Spurious NVNT $\pi/4$ -DQPSK 2441MHz Ant1 Ref



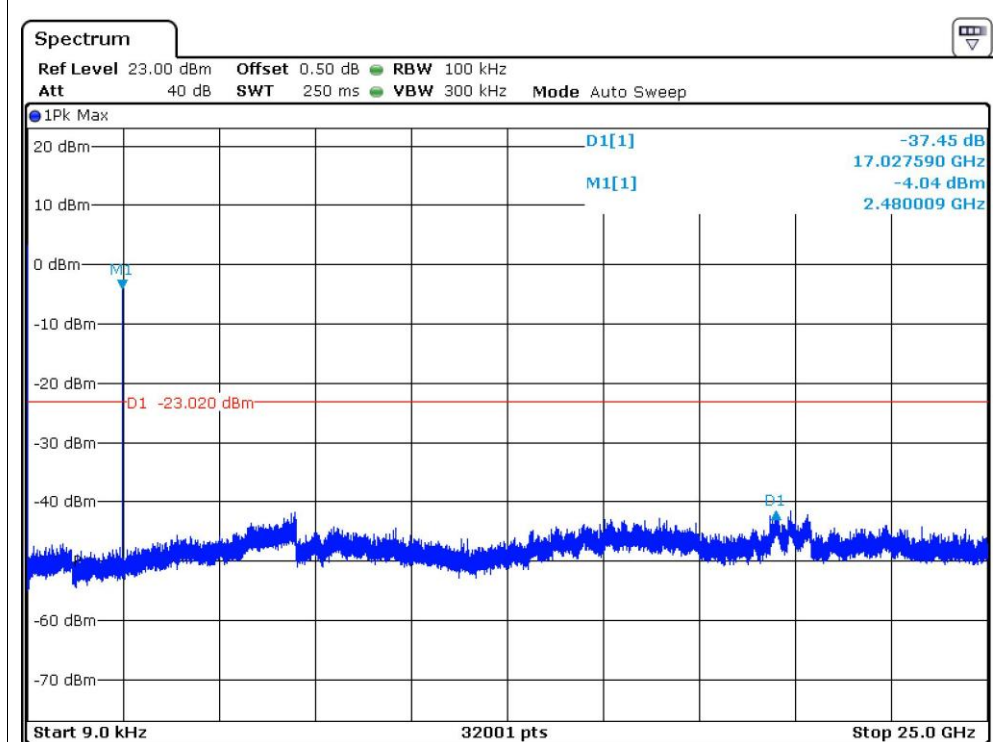
Tx. Spurious NVNT $\pi/4$ -DQPSK 2441MHz Ant1 Emission



Tx. Spurious NVNT $\pi/4$ -DQPSK 2480MHz Ant1 Ref



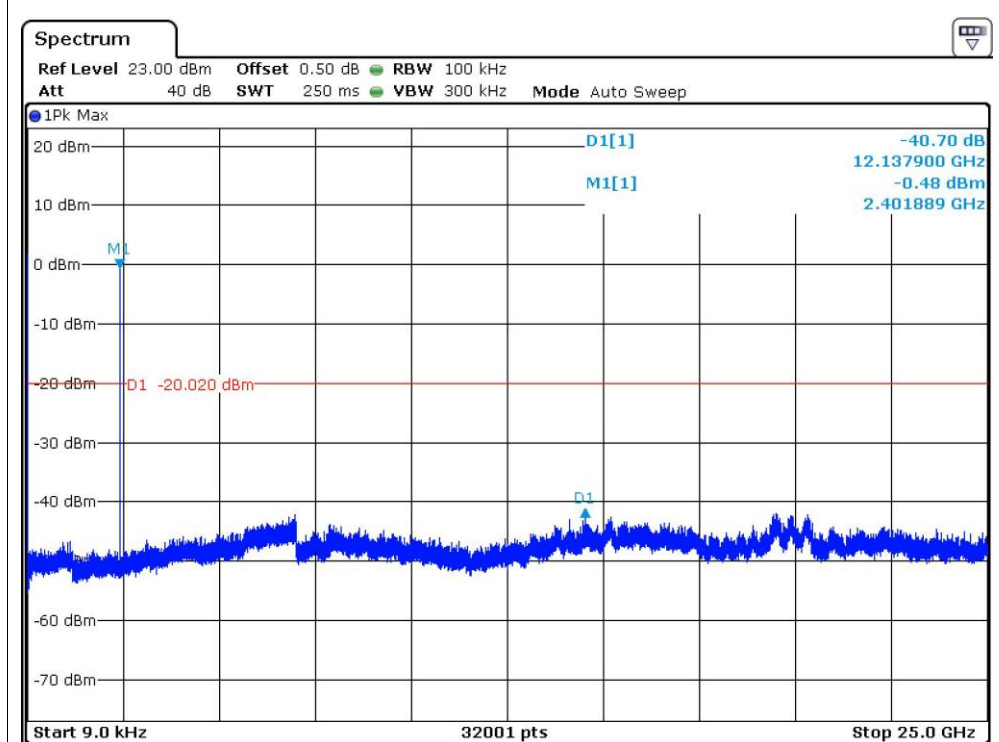
Tx. Spurious NVNT $\pi/4$ -DQPSK 2480MHz Ant1 Emission



Tx. Spurious NVNT 8DPSK 2402MHz Ant1 Ref



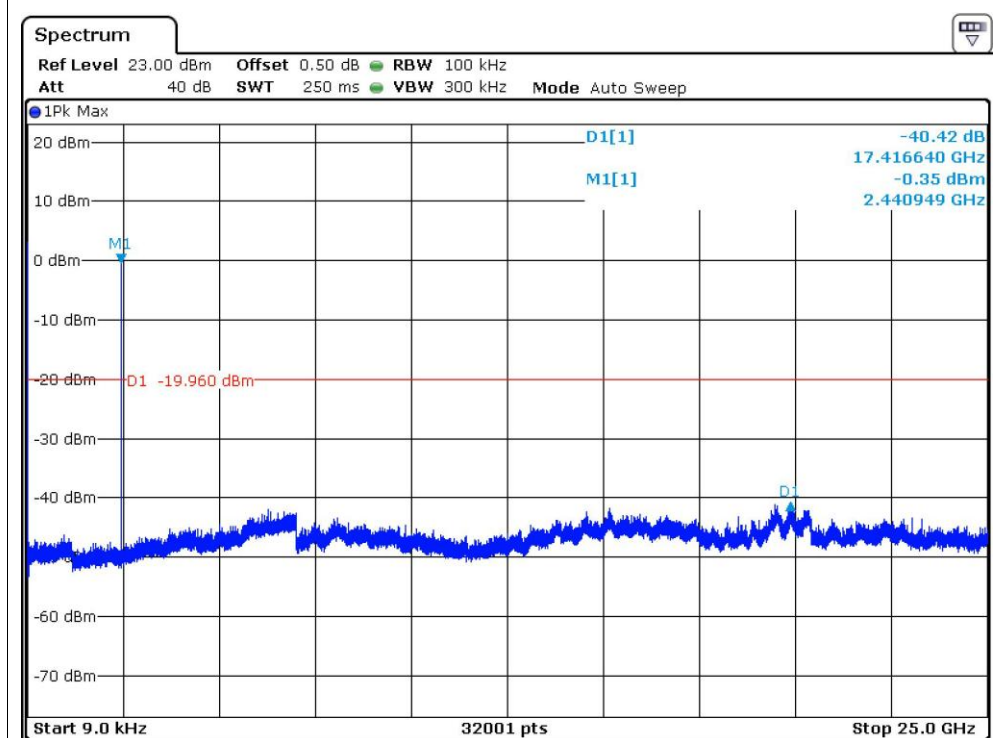
Tx. Spurious NVNT 8DPSK 2402MHz Ant1 Emission



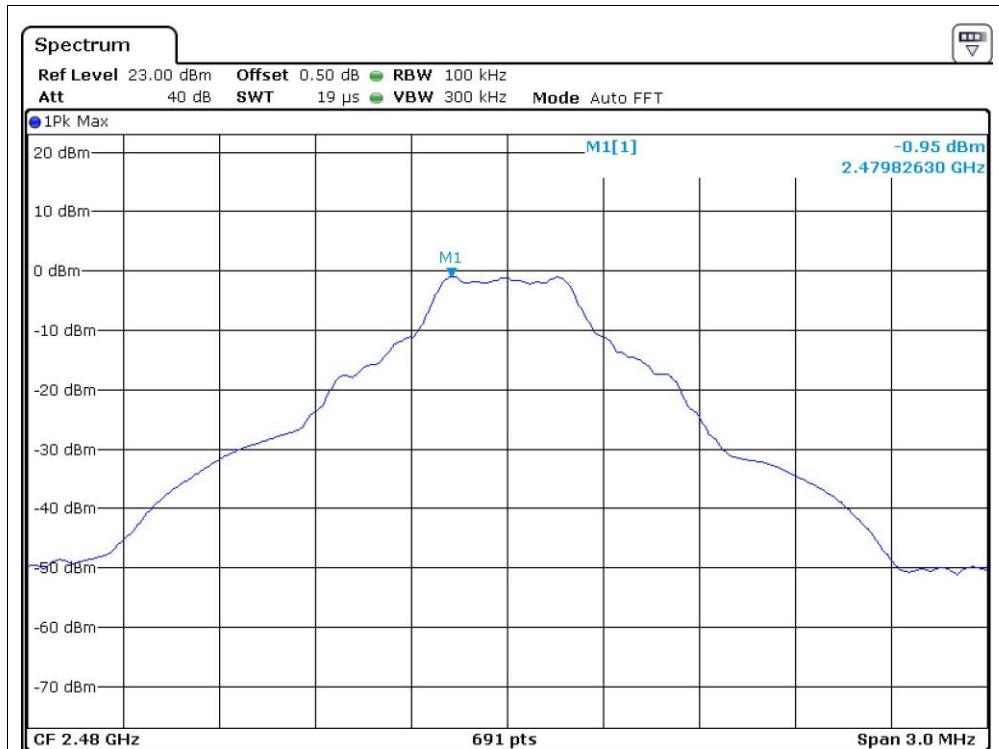
Tx. Spurious NVNT 8DPSK 2441MHz Ant1 Ref



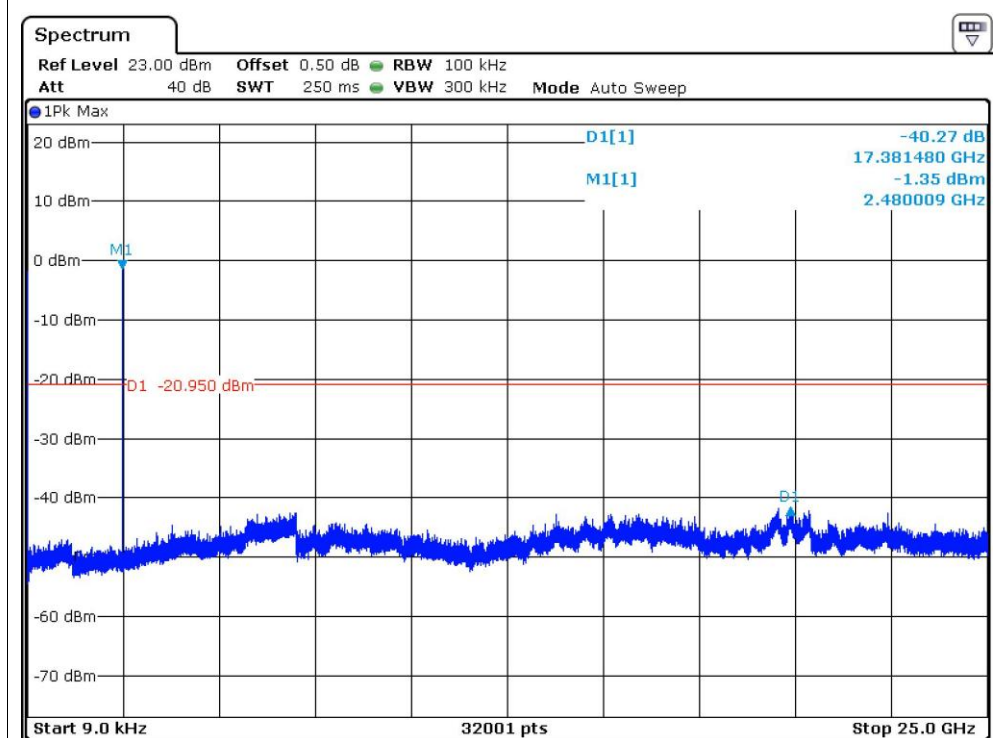
Tx. Spurious NVNT 8DPSK 2441MHz Ant1 Emission



Tx. Spurious NVNT 8DPSK 2480MHz Ant1 Ref

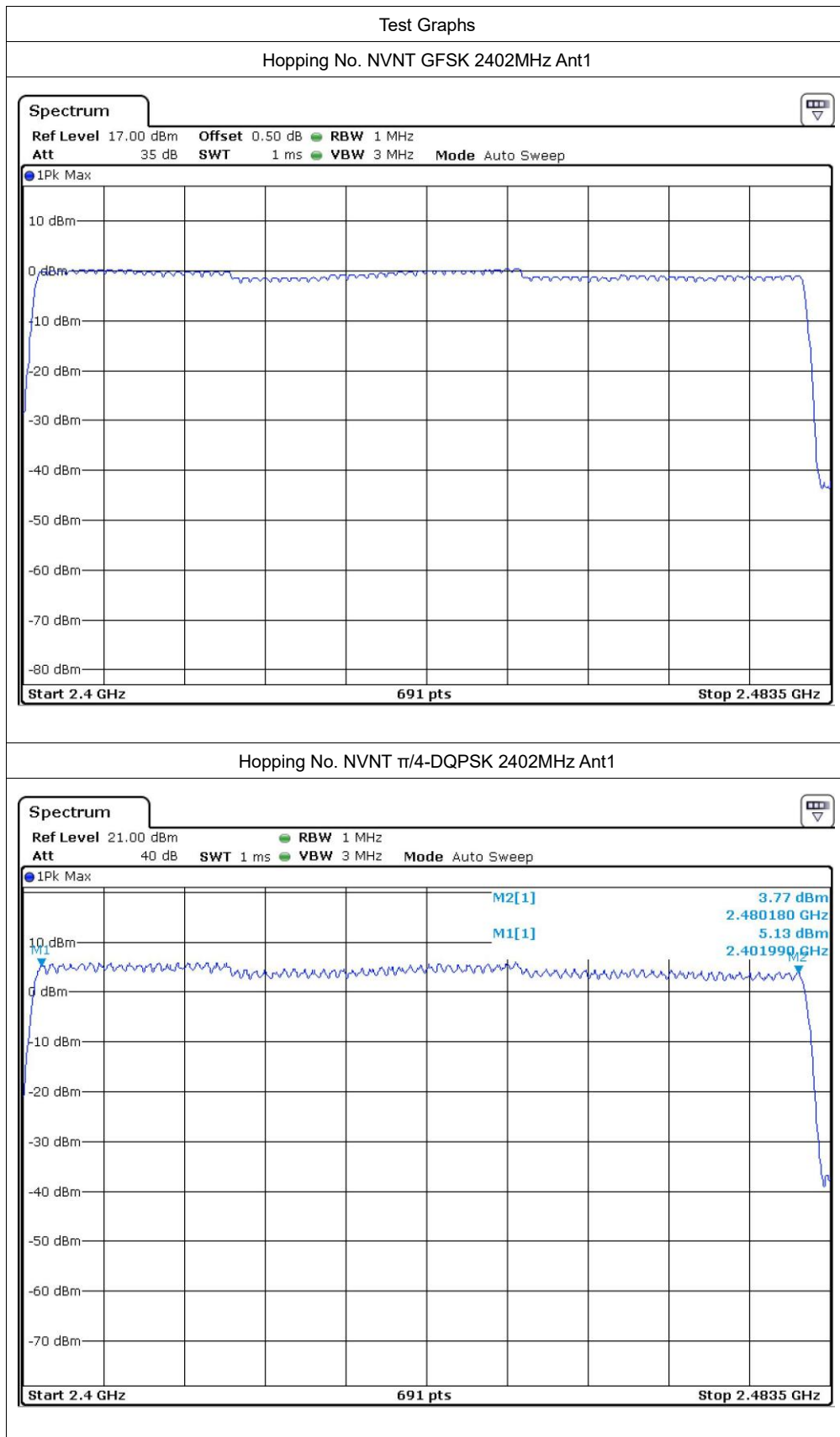


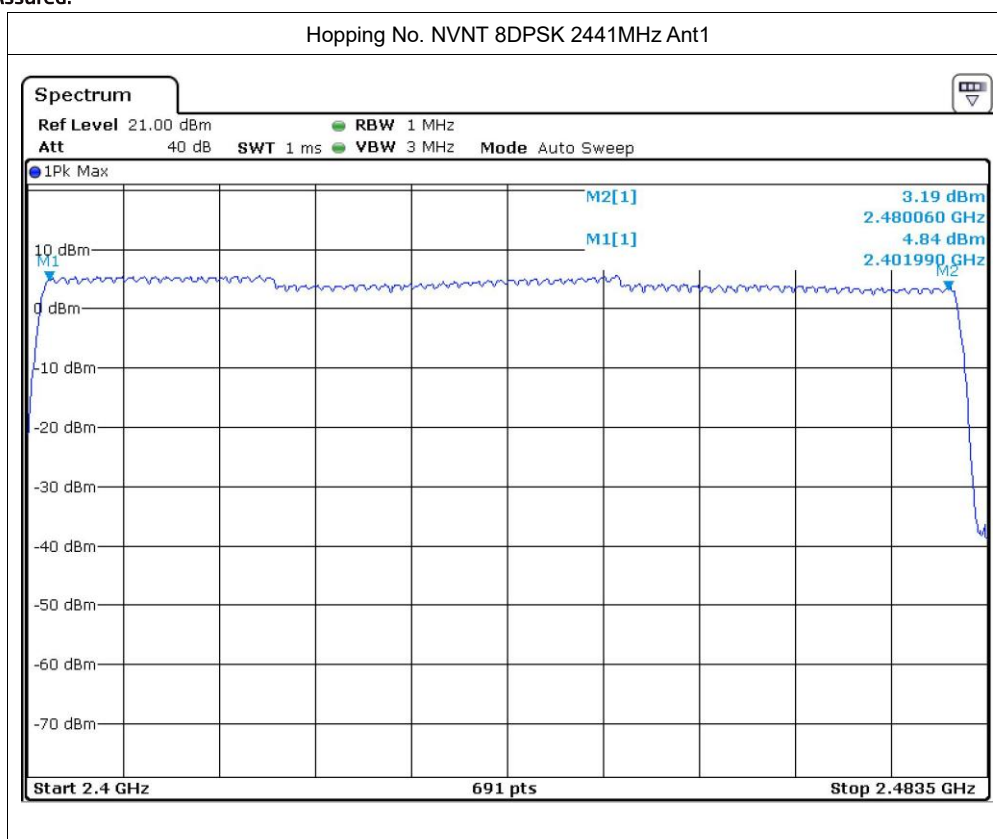
Tx. Spurious NVNT 8DPSK 2480MHz Ant1 Emission



Number of Hopping Channel

Mode	Antenna	Hopping Number	Limit	Verdict
GFSK	Ant1	79	75	Pass
$\pi/4$ -DQPSK	Ant1	79	75	Pass
8DPSK	Ant1	79	75	Pass



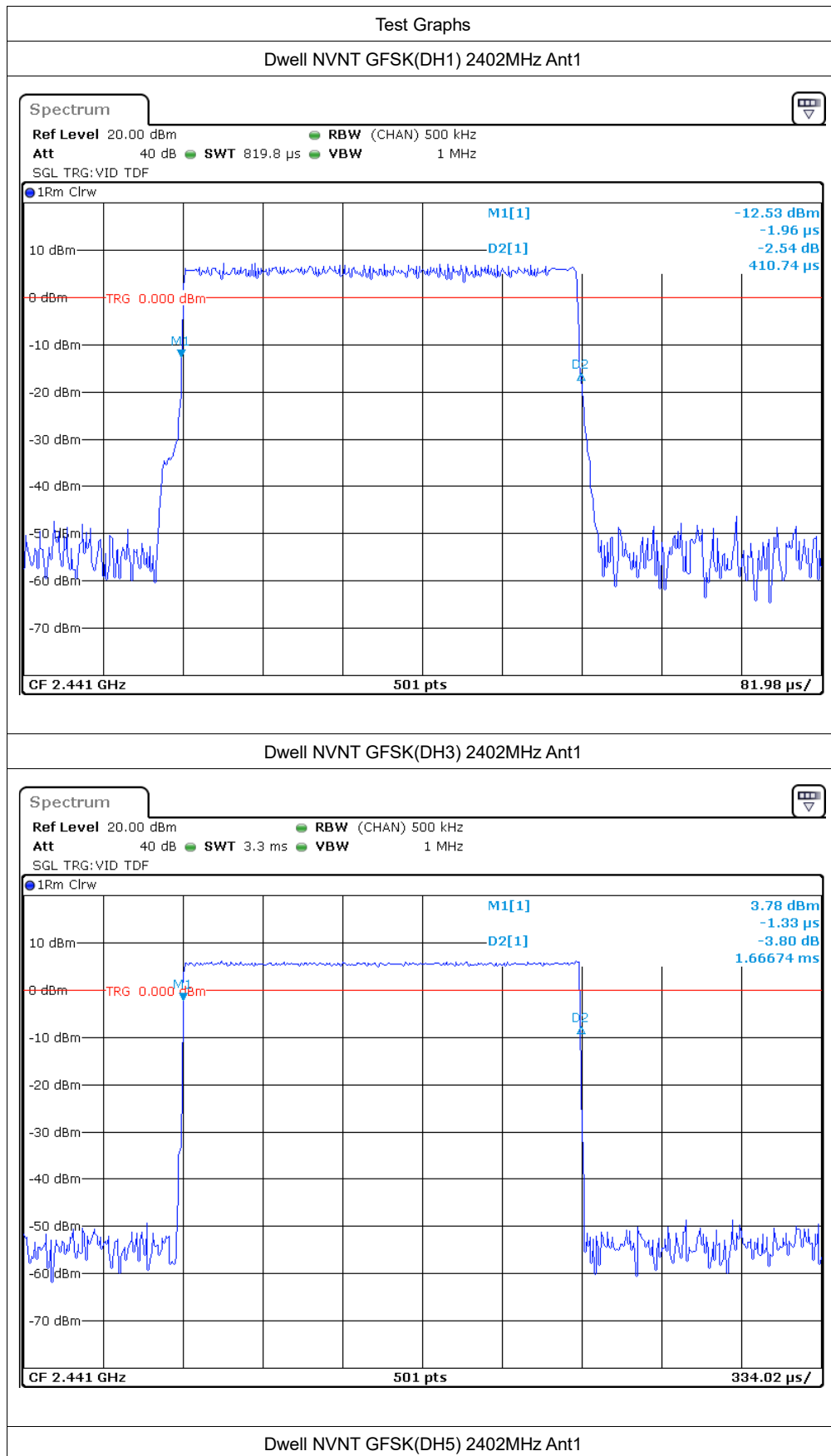


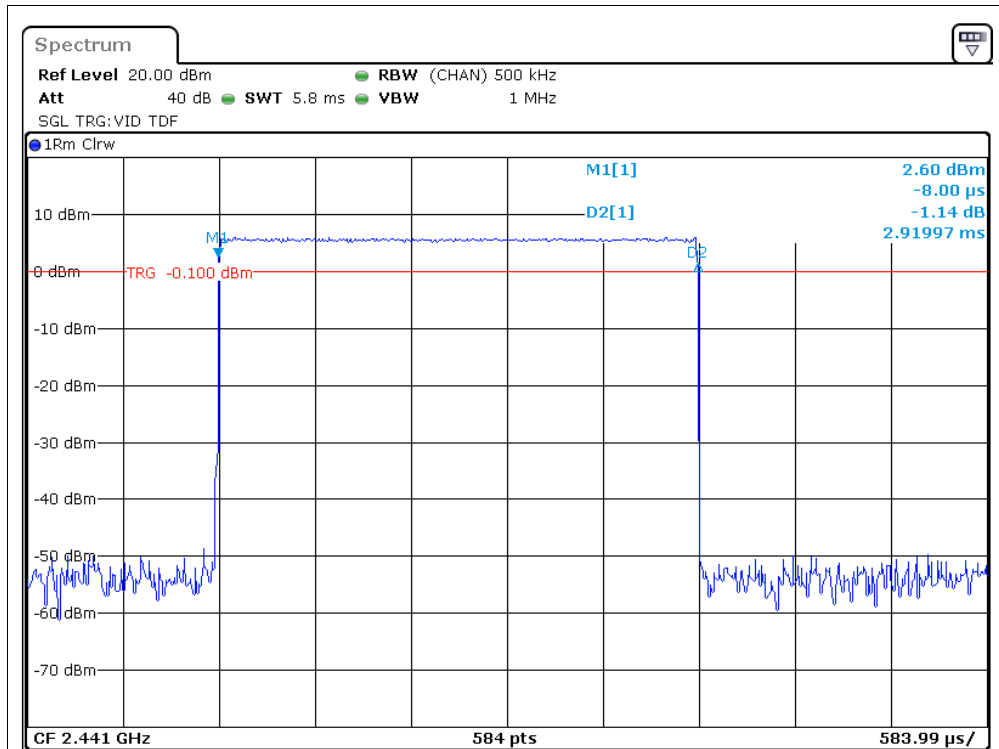
Dwell Time

Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Period Time (ms)	Limit (ms)	Verdict
GFSK(DH1)	2402	Ant1	0.411	131.52	31600	400	Pass
GFSK(DH3)	2402	Ant1	1.667	266.72	31600	400	Pass
GFSK(DH5)	2402	Ant1	2.920	311.48	31600	400	Pass
$\pi/4$ -DQPSK(2DH1)	2402	Ant1	0.402	128.64	31600	400	Pass
$\pi/4$ -DQPSK(2DH3)	2402	Ant1	1.657	265.12	31600	400	Pass
$\pi/4$ -DQPSK(2DH5)	2402	Ant1	2.900	309.34	31600	400	Pass
8DPSK(3DH1)	2402	Ant1	0.399	127.68	31600	400	Pass
8DPSK(3DH3)	2402	Ant1	1.650	264.00	31600	400	Pass
8DPSK(3DH5)	2402	Ant1	2.910	310.41	31600	400	Pass

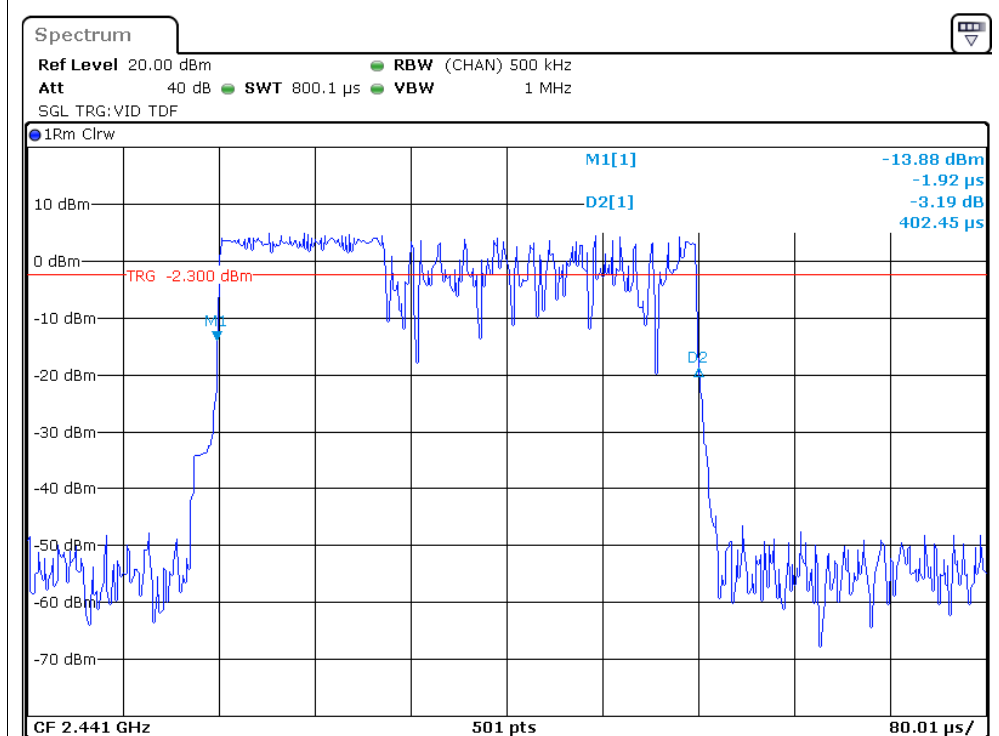
Note:

1. In DH1 mode, hopping rate is 1600 hops/s with 2 slots in 79 hopping channels. With channel hopping rate $(1600/2/79)$ in Occupancy Time Limit (0.4×79) (s), Hops Over Occupancy Time comes to $(1600/2/79) \times (0.4 \times 79) = 320$ hops. Total Dwell time = Pulse Time $\times 320$.
2. In DH3 mode, hopping rate is 1600 hops/s with 4 slots in 79 hopping channels. With channel hopping rate $(1600/4/79)$ in Occupancy Time Limit (0.4×79) (s), Hops Over Occupancy Time comes to $(1600/4/79) \times (0.4 \times 79) = 160$ hops. Total Dwell time = Pulse Time $\times 160$.
3. In DH5 mode, hopping rate is 1600 hops/s with 6 slots in 79 hopping channels. With channel hopping rate $(1600/6/79)$ in Occupancy Time Limit (0.4×79) (s), Hops Over Occupancy Time comes to $(1600/6/79) \times (0.4 \times 79) = 106.67$ hops. Total Dwell time = Pulse Time $\times 106.67$.

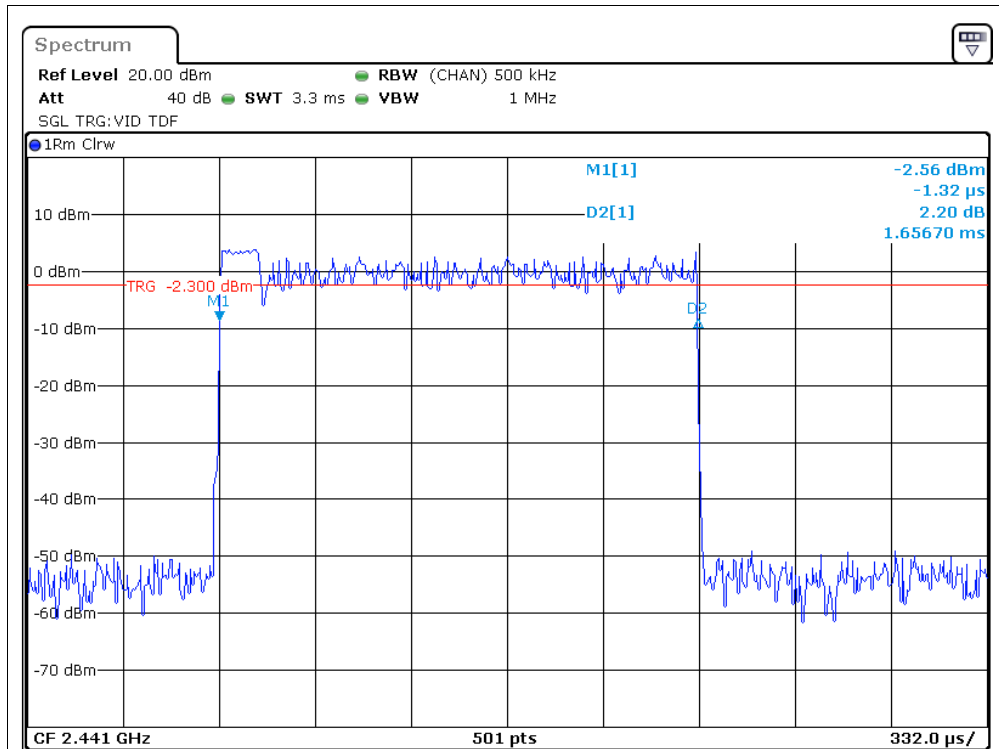




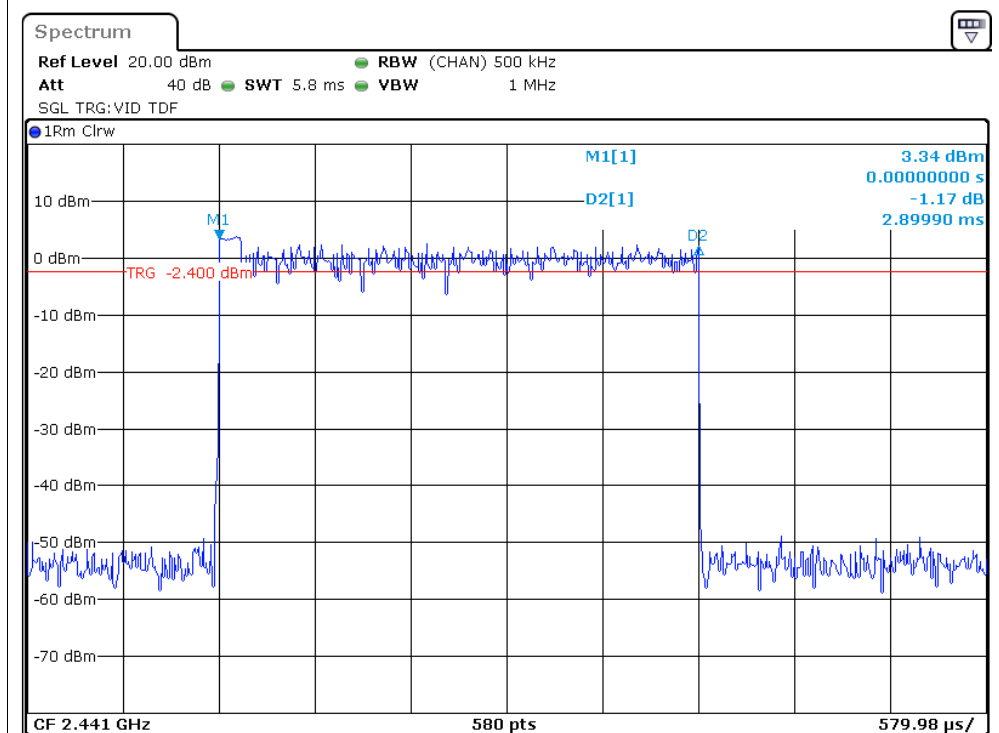
Dwell NVNT $\pi/4$ -DQPSK(2DH1) 2402MHz Ant1



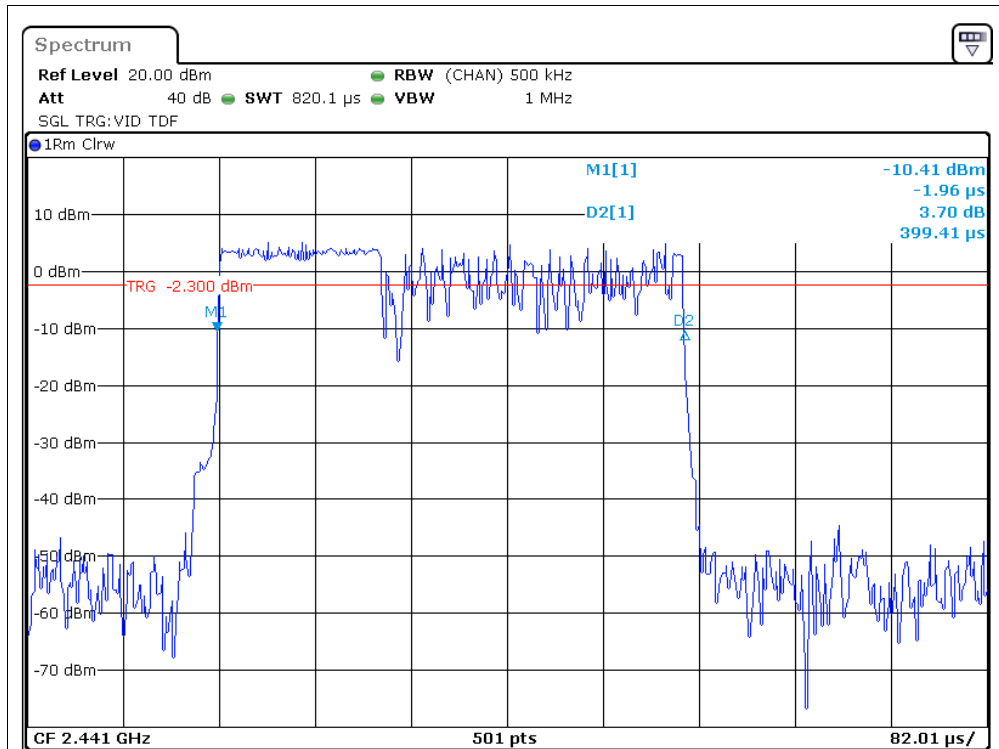
Dwell NVNT $\pi/4$ -DQPSK(2DH3) 2402MHz Ant1



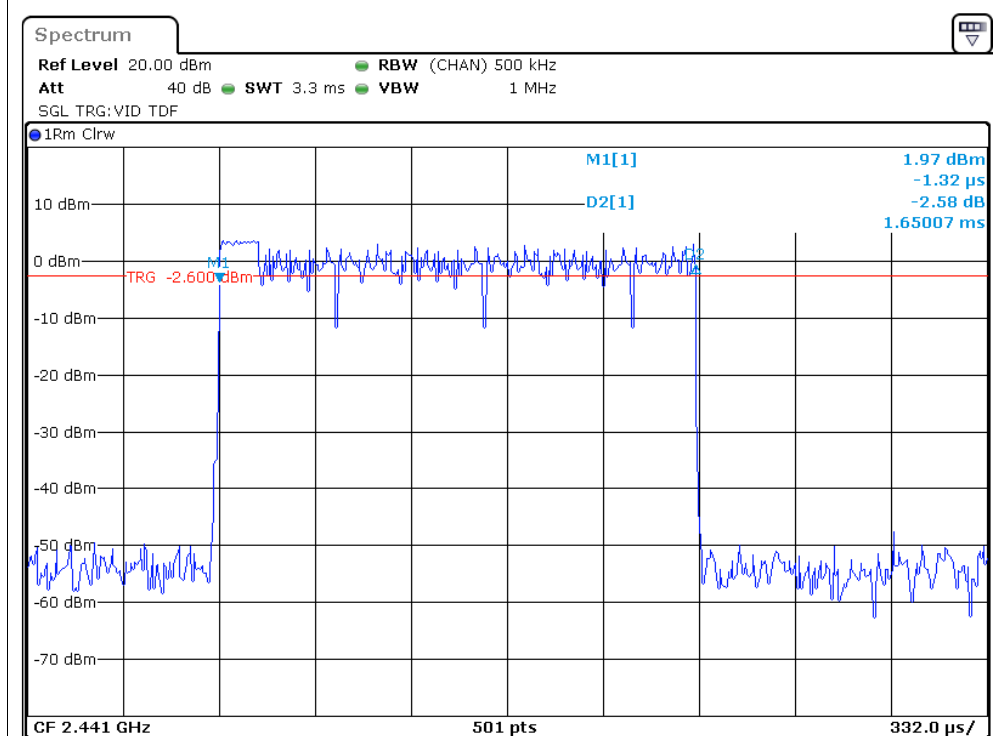
Dwell NVNT $\pi/4$ -DQPSK(2DH5) 2402MHz Ant1



Dwell NVNT 8DPSK(3DH1) 2402MHz Ant1



Dwell NVNT 8DPSK(3DH3) 2402MHz Ant1



Dwell NVNT 8DPSK(3DH5) 2402MHz Ant1

