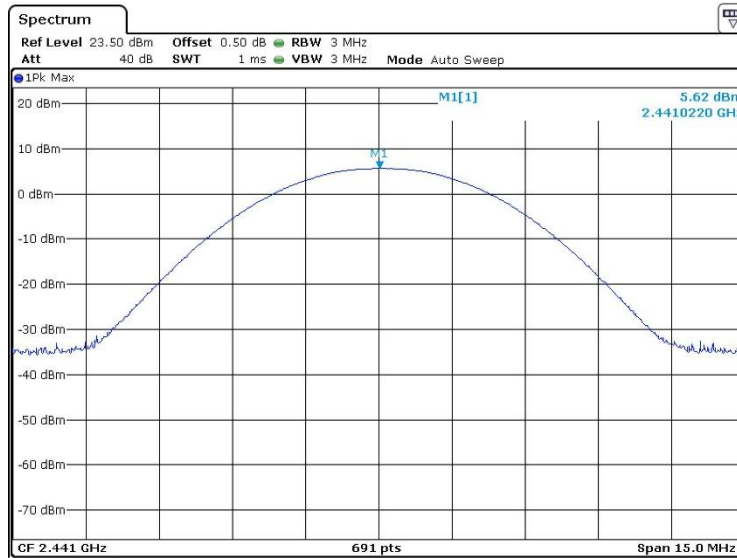


Maximum Conducted Output Power

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
GFSK	2402	Ant1	5.75	≤30	Pass
	2441	Ant1	5.62	≤30	Pass
	2480	Ant1	5.07	≤30	Pass
$\pi/4$ -DQPSK	2402	Ant1	7.63	≤30	Pass
	2441	Ant1	7.62	≤30	Pass
	2480	Ant1	7.32	≤30	Pass
8DPSK	2402	Ant1	5.75	≤30	Pass
	2441	Ant1	8.22	≤30	Pass
	2480	Ant1	7.91	≤30	Pass



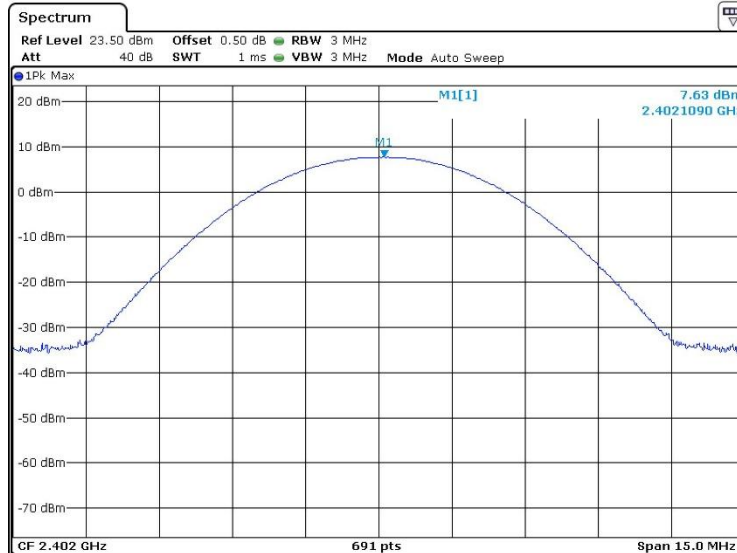
GFSK_Ant1_2402



GFSK_Ant1_2441



GFSK_Ant1_2480



$\pi/4$ -DQPSK_Ant1_2402



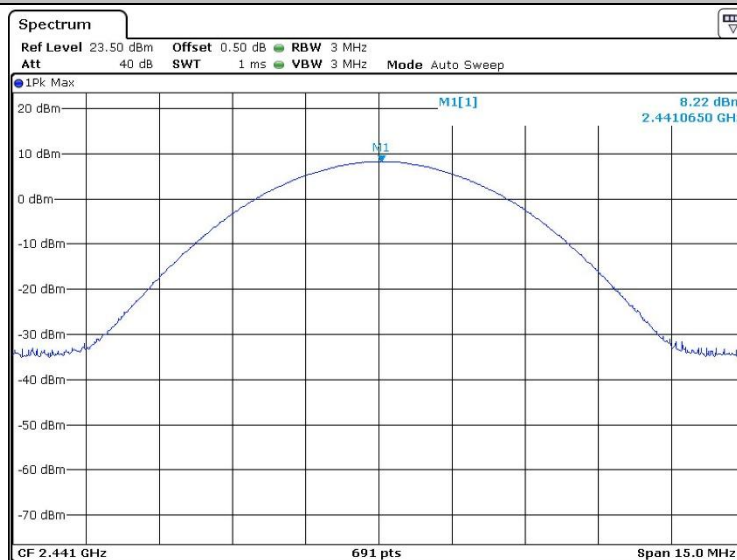
$\pi/4$ -DQPSK_Ant1_2441



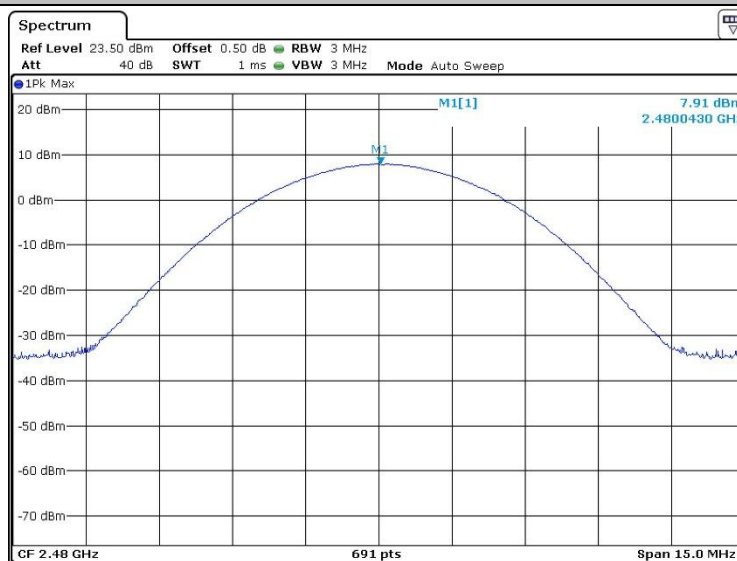
$\pi/4$ -DQPSK_Ant1_2480



8DPSK_Ant1_2402



8DPSK_Ant1_2441



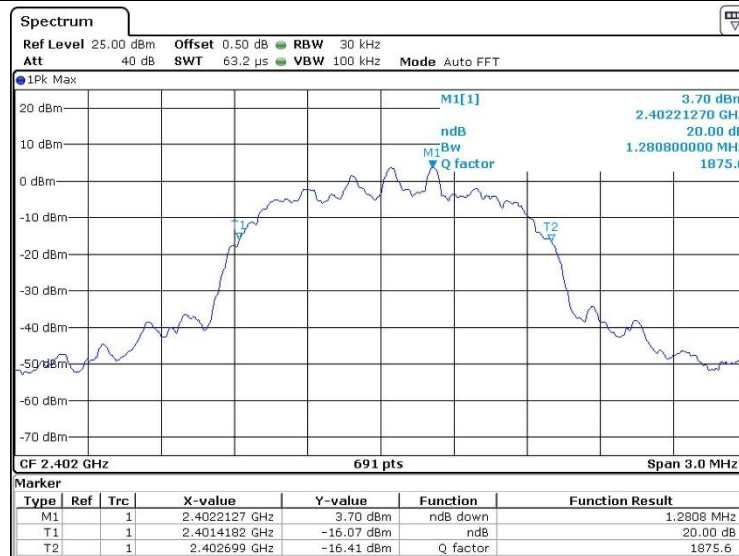
8DPSK_Ant1_2480

20dB Emission Bandwidth

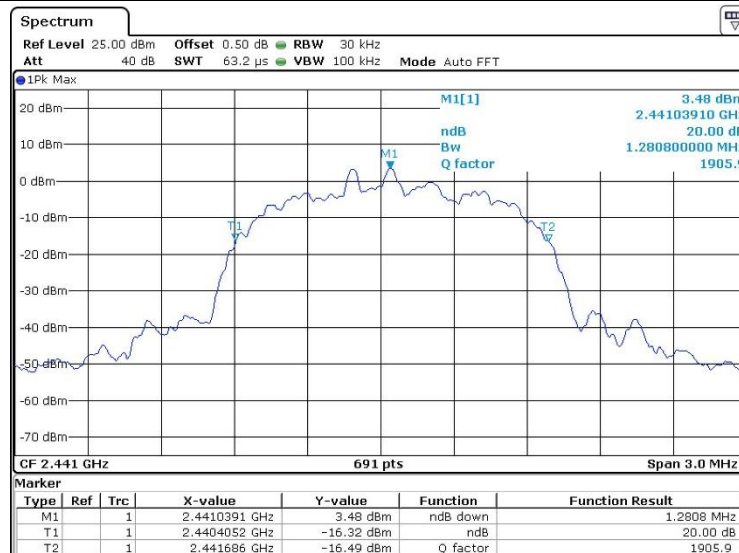
Worst-case Result:

Mode	Antenna	Frequency (MHz)	20db EBW[MHz]	FL[MHz]	FH[MHz]
8DPSK	Ant1	2402	1.281	2401.418	2402.699
		2441	1.281	2440.405	2441.686
		2480	1.281	2479.405	2480.686

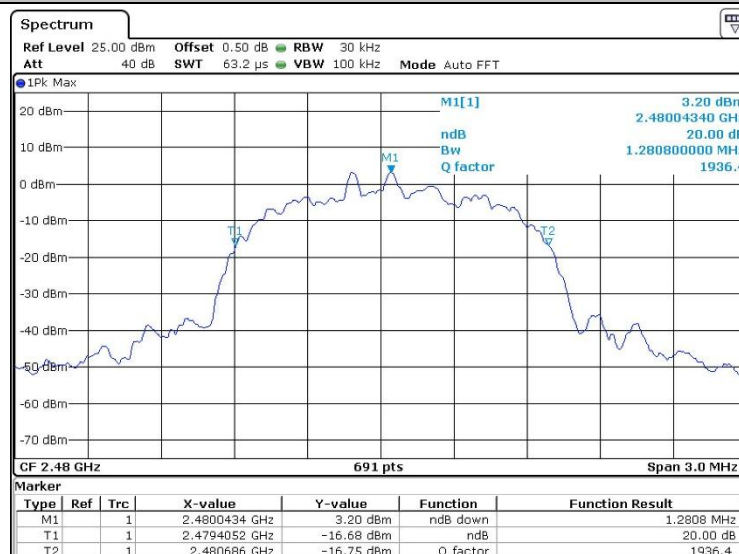
Test Graphs



8DPSK_Ant1_2402



8DPSK_Ant1_2441

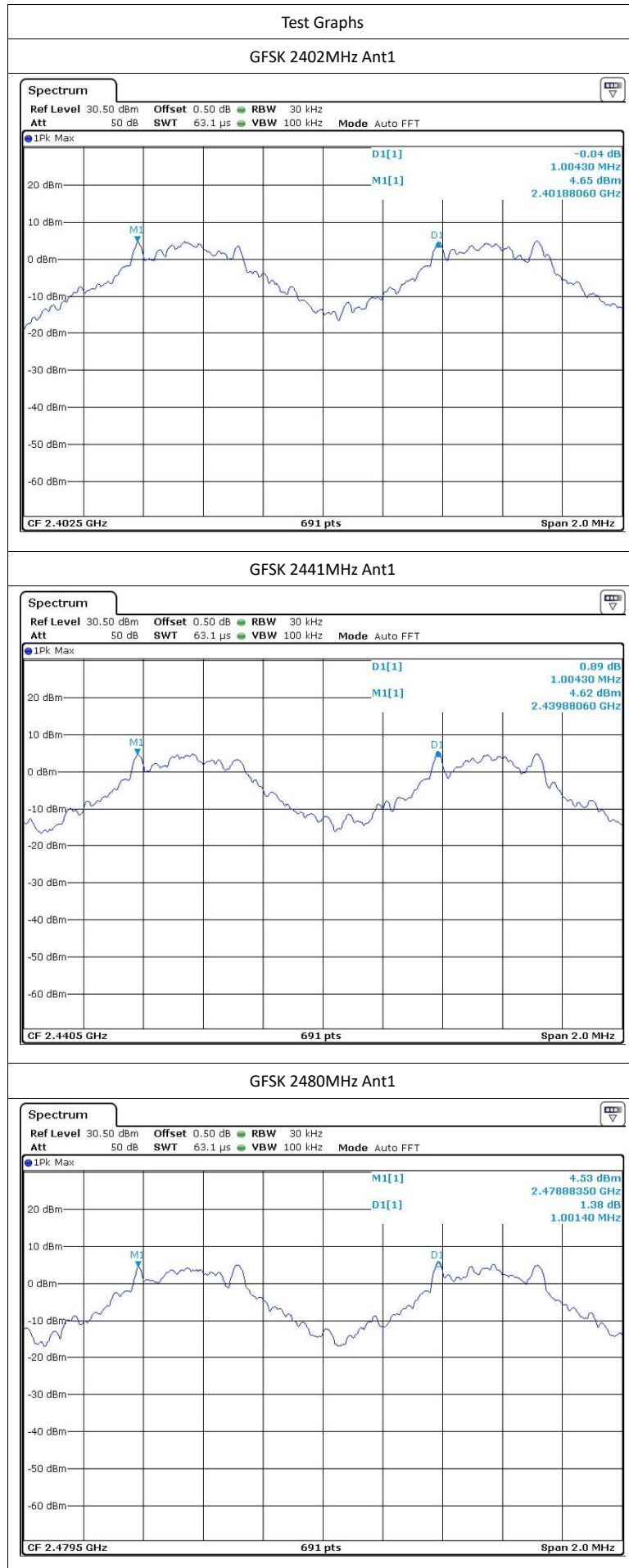


8DPSK_Ant1_2480

Carrier Frequencies Separation

Worst-case Result:

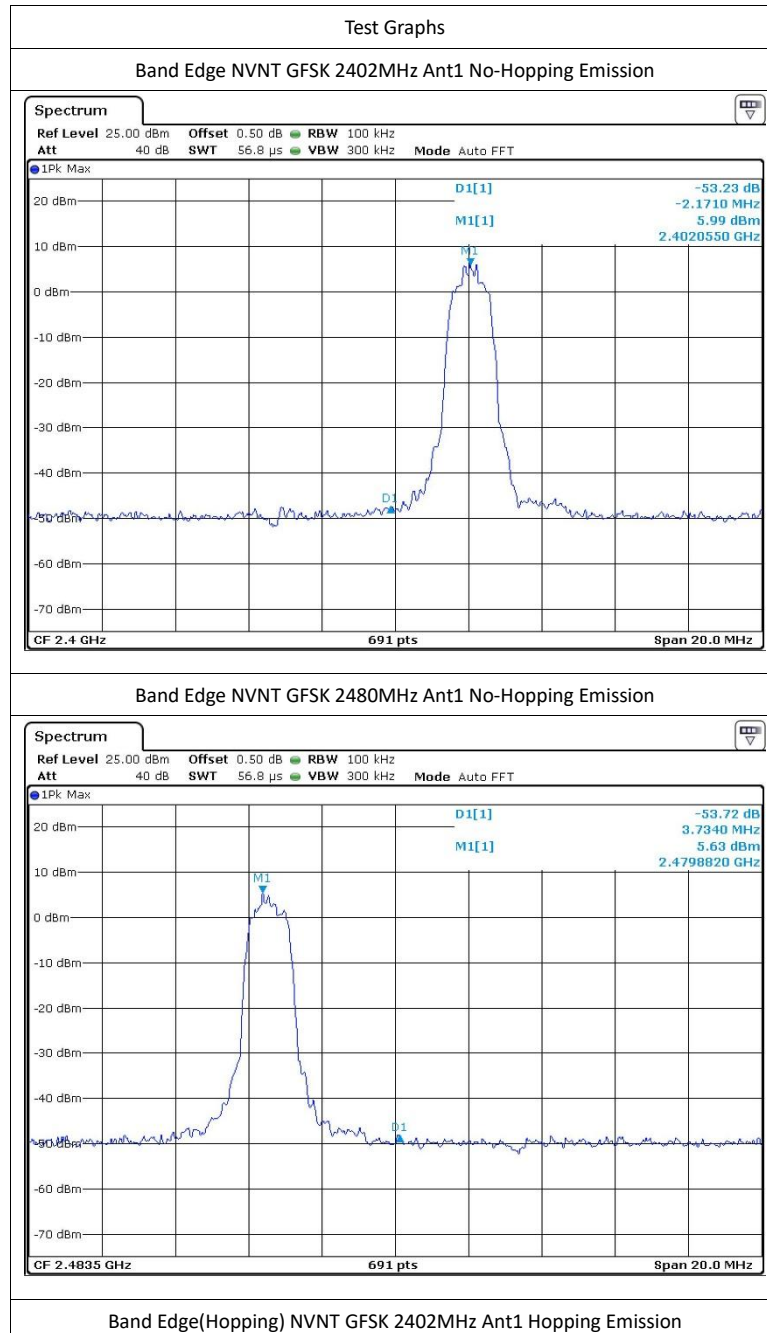
Mode	Antenna	Frequency (MHz)	Channel Separation (MHz)	Limit (MHz)	Verdict
GFSK	Ant1	2402	1.004	0.854	Pass
GFSK	Ant1	2441	1.004	0.854	Pass
GFSK	Ant1	2480	1.001	0.854	Pass

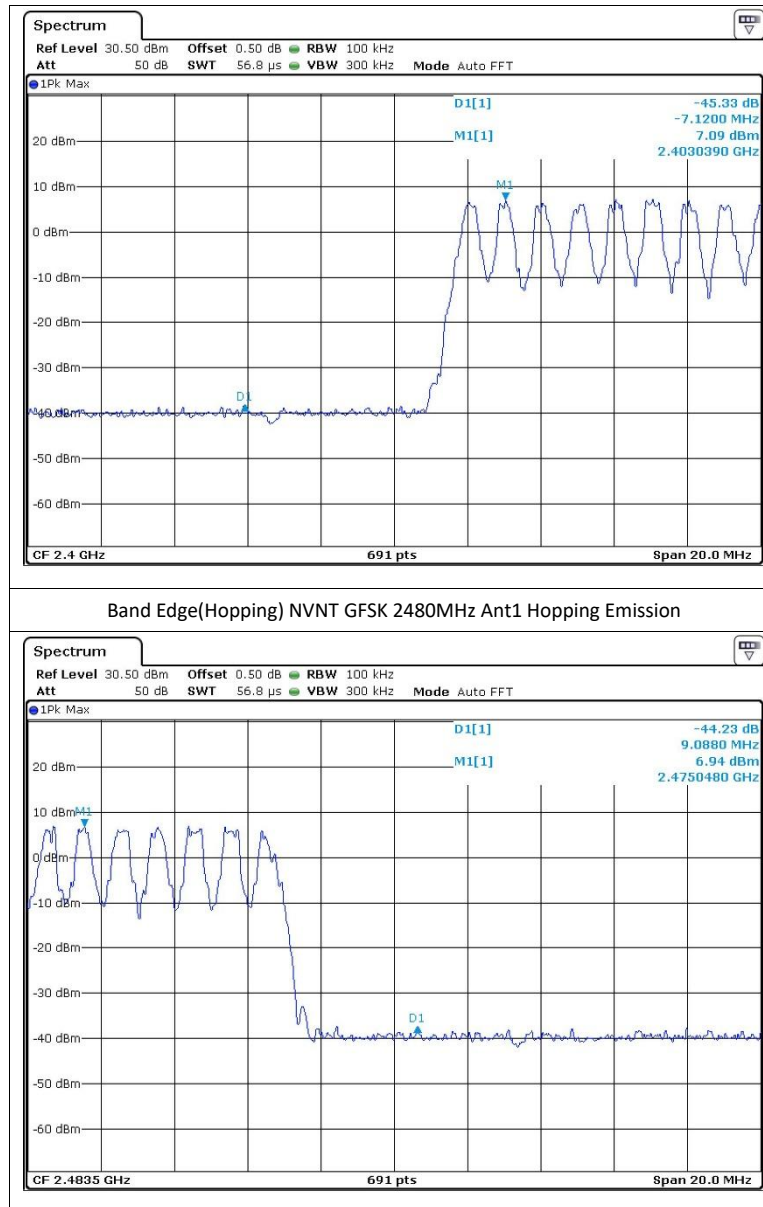


Band Edge

Worst-case Result:

Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
GFSK	2402	Ant1	No-Hopping	-53.23	-20	Pass
	2480	Ant1	No-Hopping	-53.72	-20	Pass
	2402	Ant1	Hopping	-45.33	-20	Pass
	2480	Ant1	Hopping	-44.23	-20	Pass



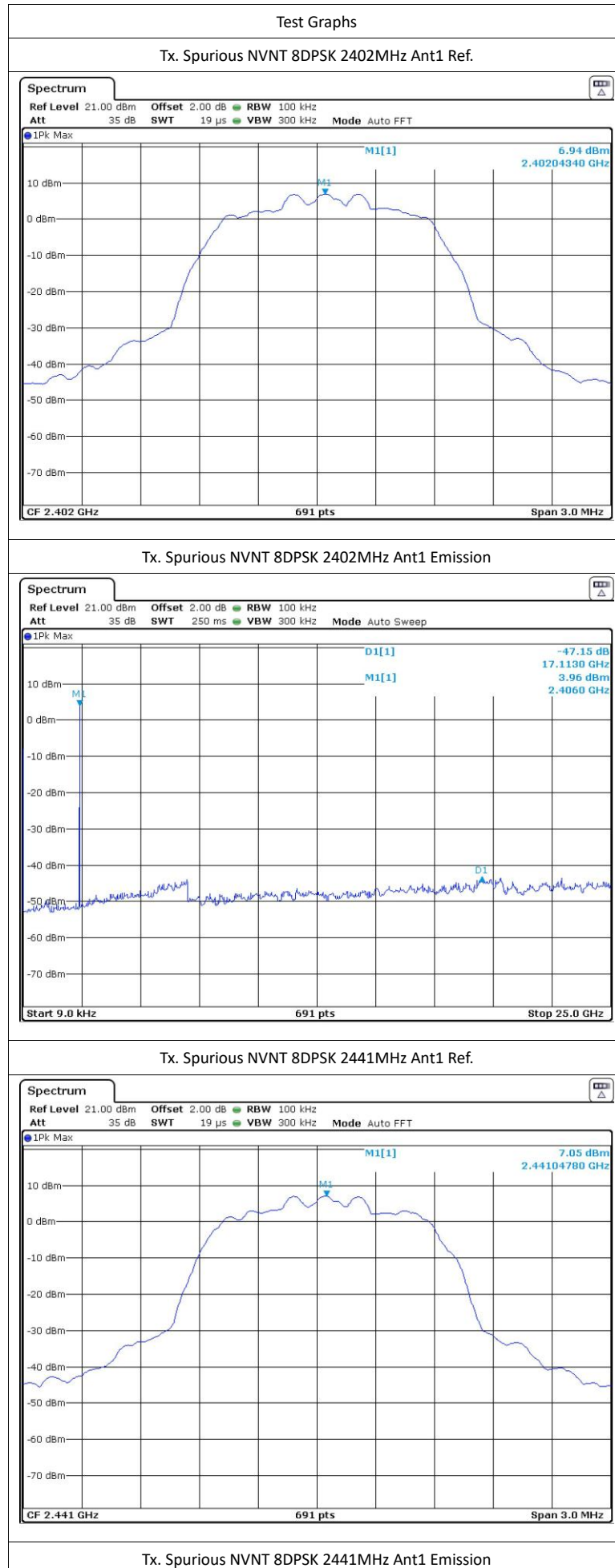


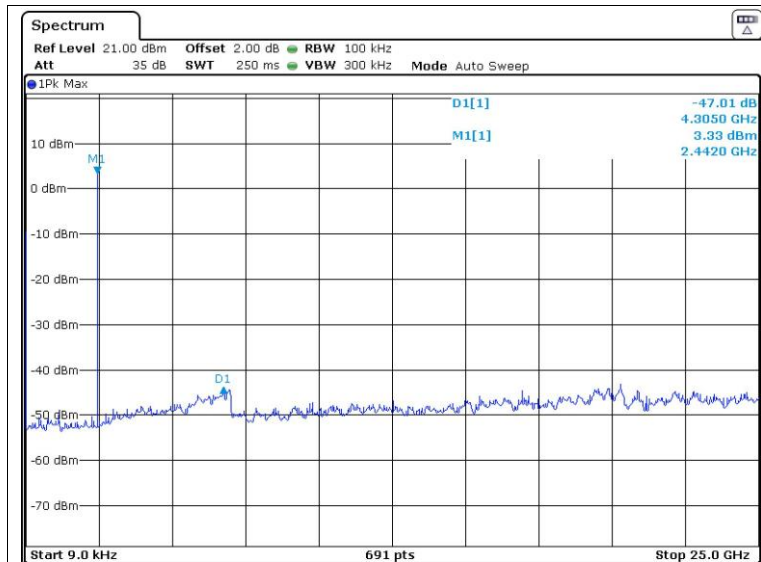
Conducted RF Spurious Emission

Worst-case Result:

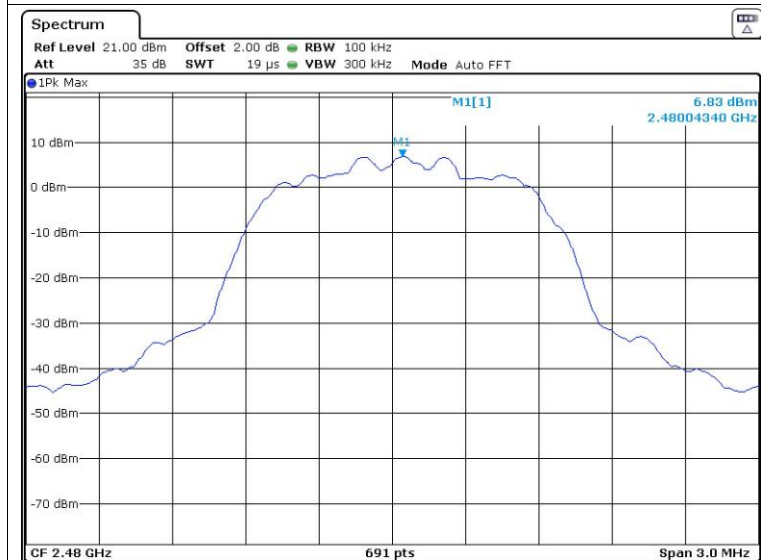
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
8DPSK	2402	Ant1	-47.15	-20	Pass
	2441	Ant1	-47.01	-20	Pass
	2480	Ant1	-48.33	-20	Pass

Note: offset=cable loss

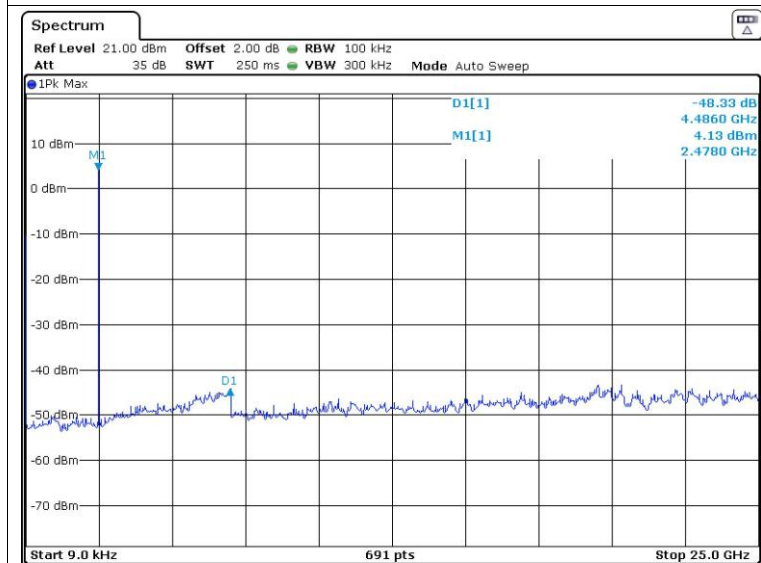




Tx. Spurious NVNT 8DPSK 2480MHz Ant1 Ref.



Tx. Spurious NVNT 8DPSK 2480MHz Ant1 Emission

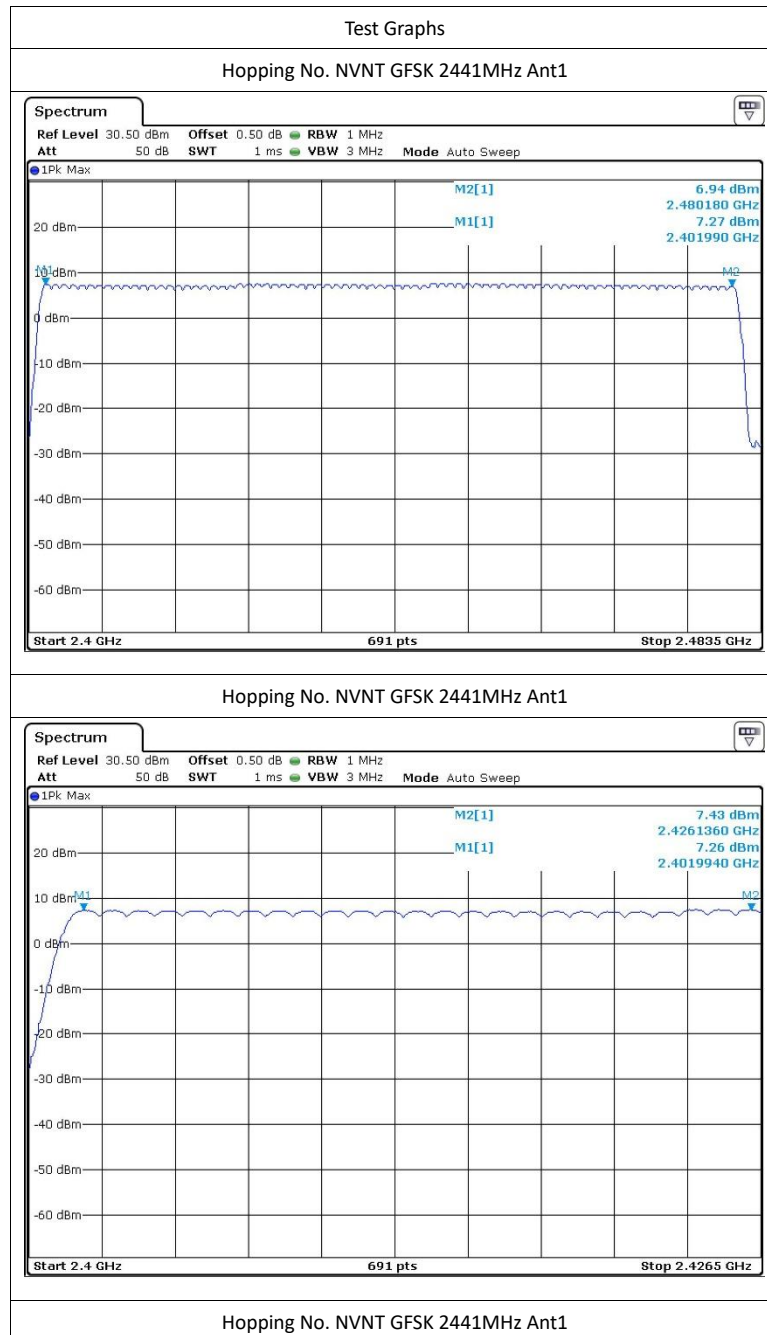


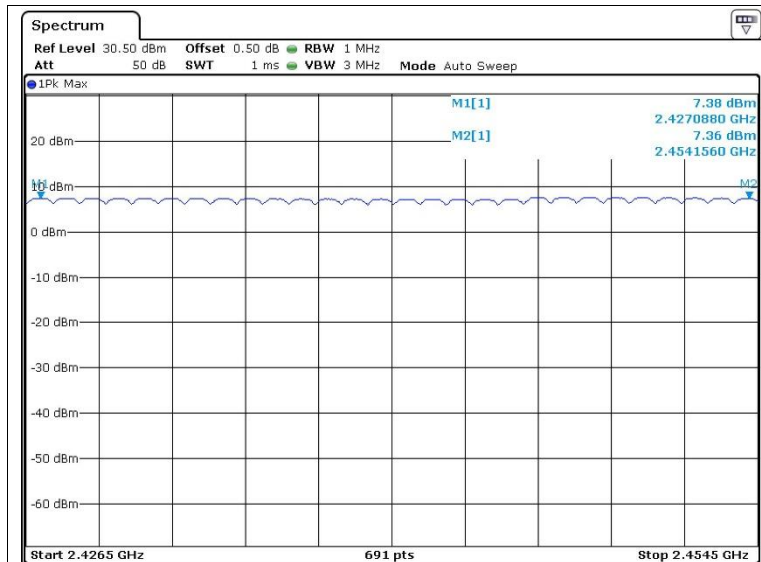
Note: offset=cable loss

Number of Hopping Channel

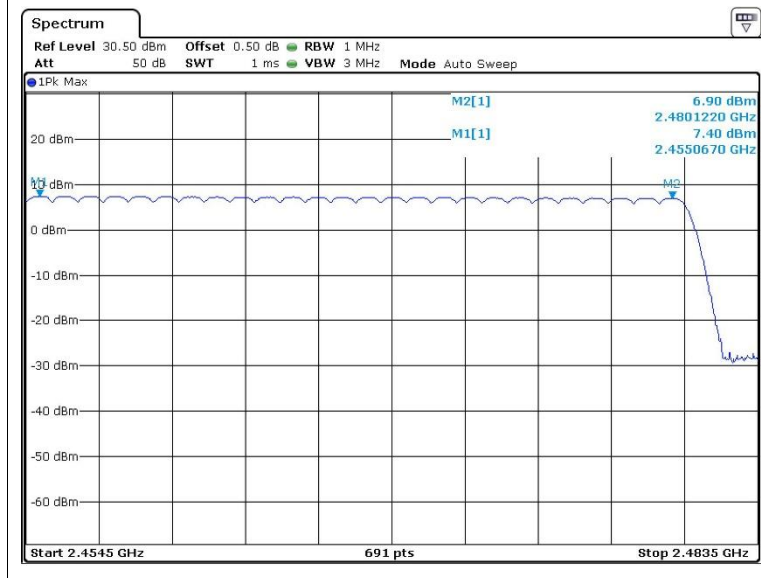
Worst-case Result:

Mode	Antenna	Hopping Number	Limit	Verdict
GFSK	Ant1	79	75	Pass





Hopping No. NVNT GFSK 2441MHz Ant1



Dwell Time

Worst-case Result:

Normal hopping mode

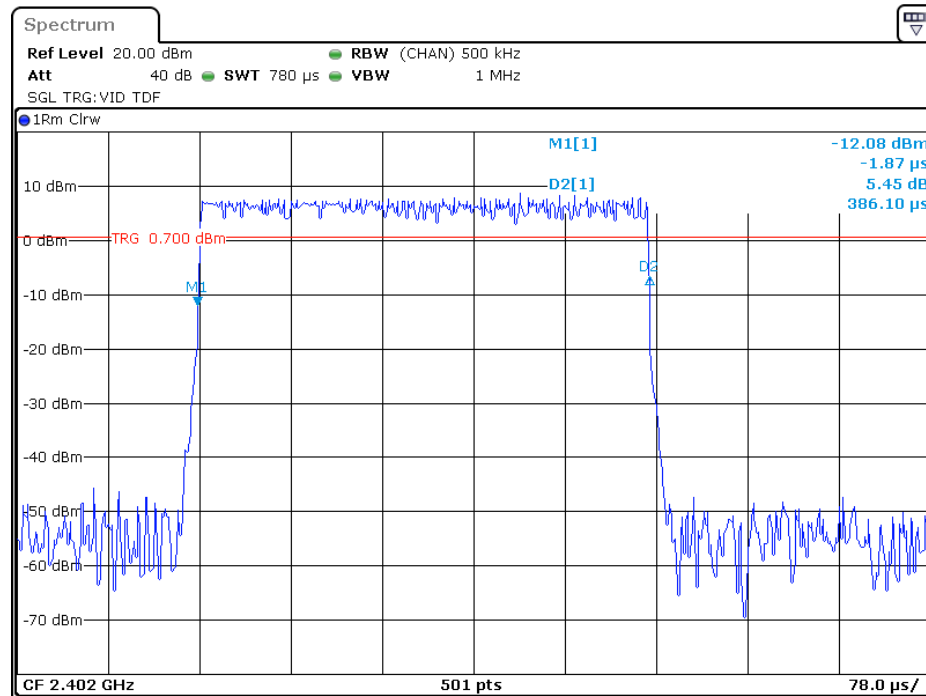
Modulation Type	Packet	Max Dwell Time	Limit (s)	Result
GFSK	DH1	$0.386\text{ms} * 230 = 88.78\text{ms}$	0.4	Pass
	DH3	$1.640\text{ms} * 130 = 213.2\text{ms}$	0.4	Pass
	DH5	$2.900\text{ms} * 80 = 232.0\text{ms}$	0.4	Pass

AFH mode:

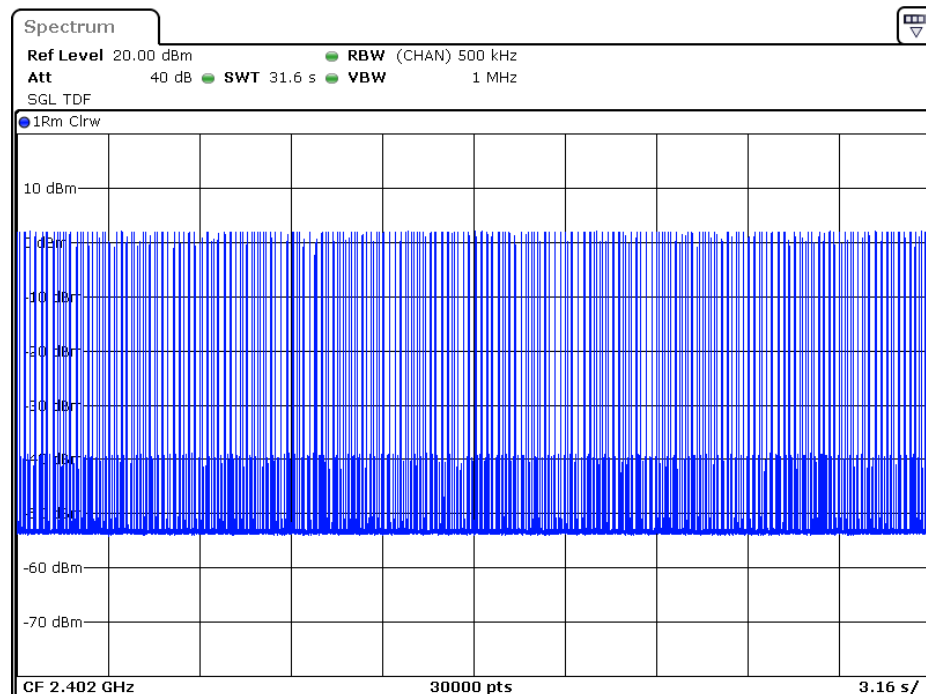
Modulation Type	Packet	Max Dwell Time	Limit (s)	Result
GFSK	DH1	$0.386\text{ms} * 80 = 30.88\text{ms}$	0.4	Pass
	DH3	$1.640\text{ms} * 45 = 73.80\text{ms}$	0.4	Pass
	DH5	$2.900\text{ms} * 24 = 69.6\text{ms}$	0.4	Pass

Modulation Type: GFSK

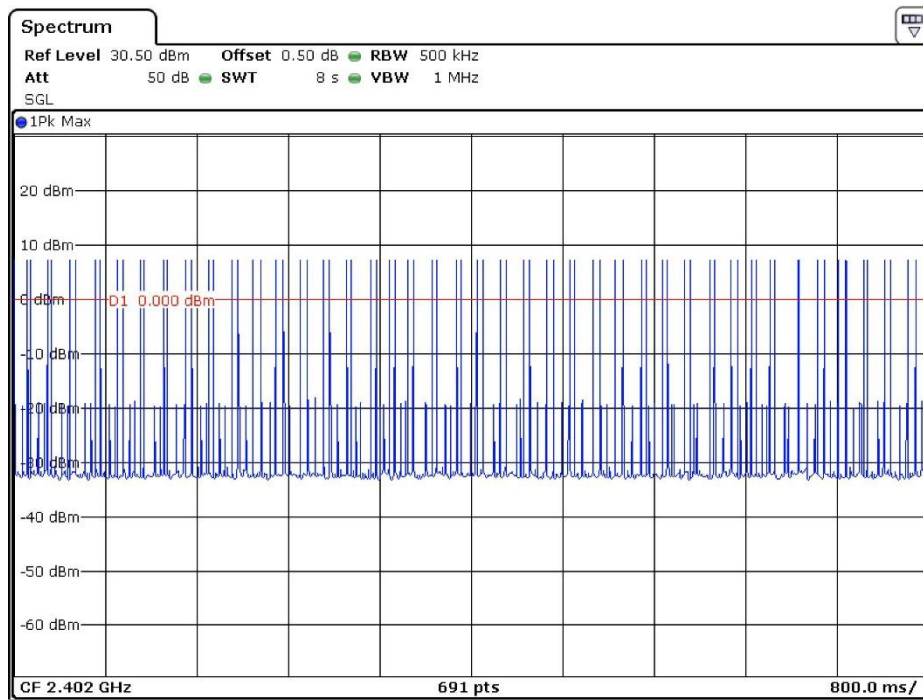
Packet:DH1



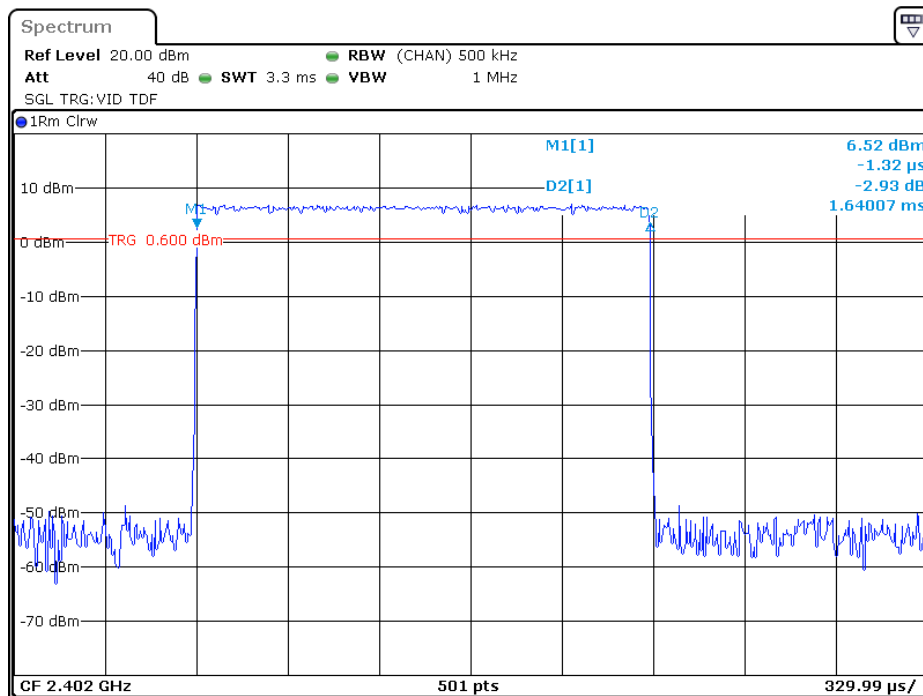
Number of hops (Normal hopping mode)



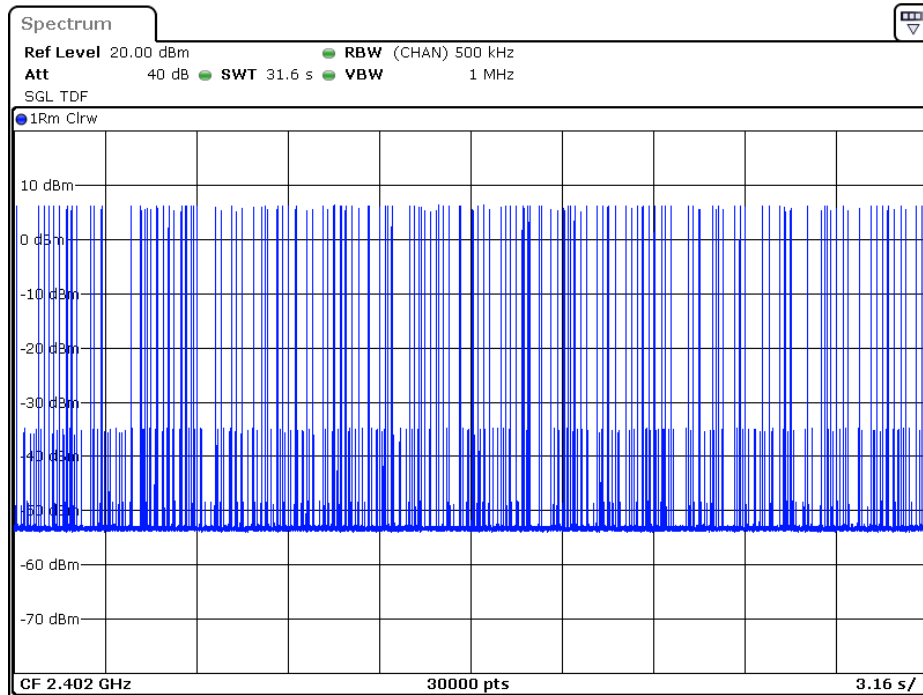
Number of hops (AFH mode)



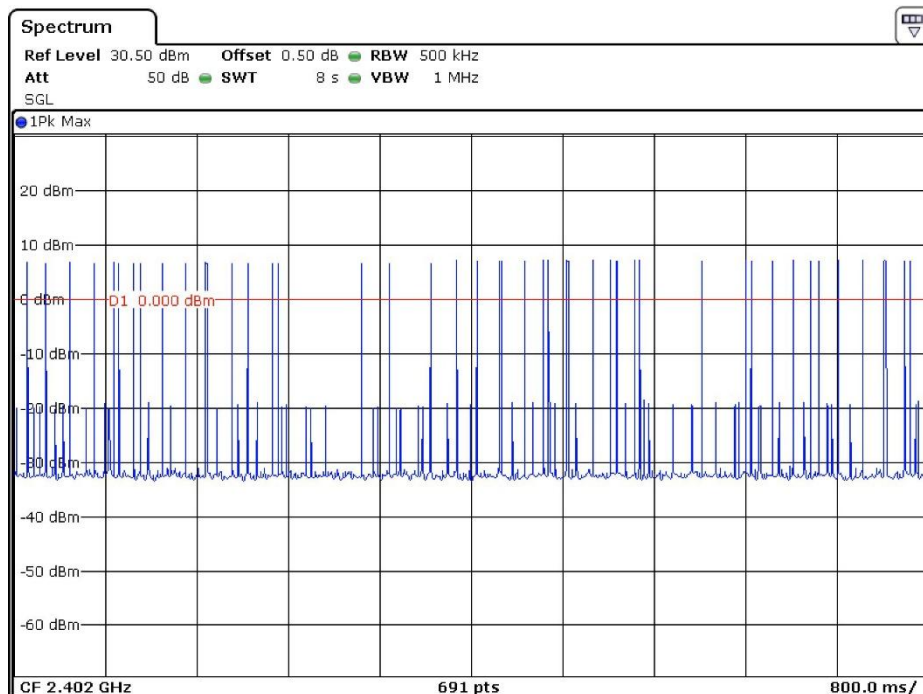
Packet: DH3



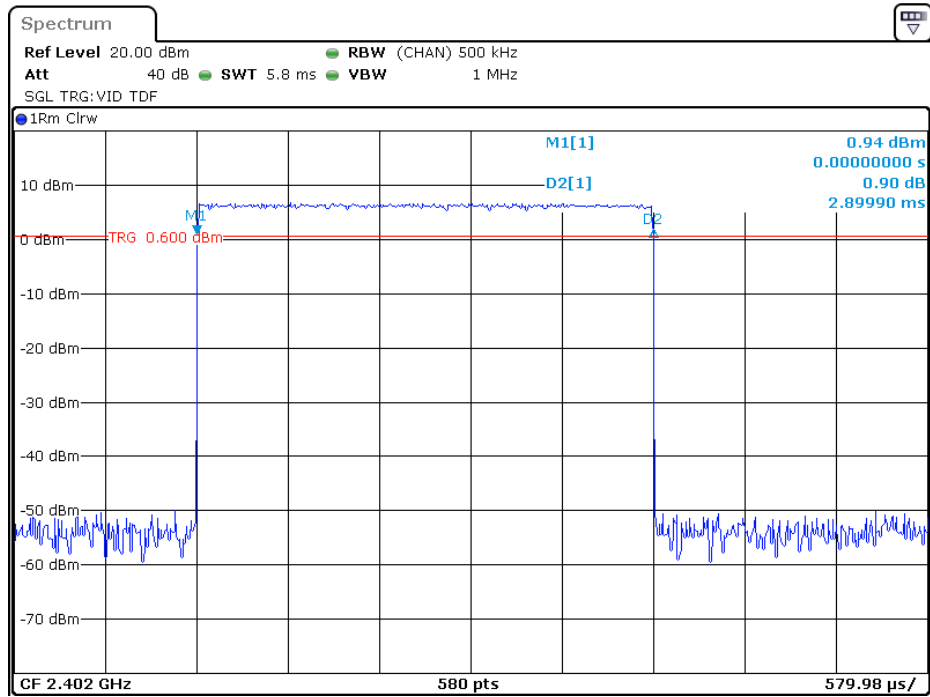
Number of hops (Normal hopping mode)



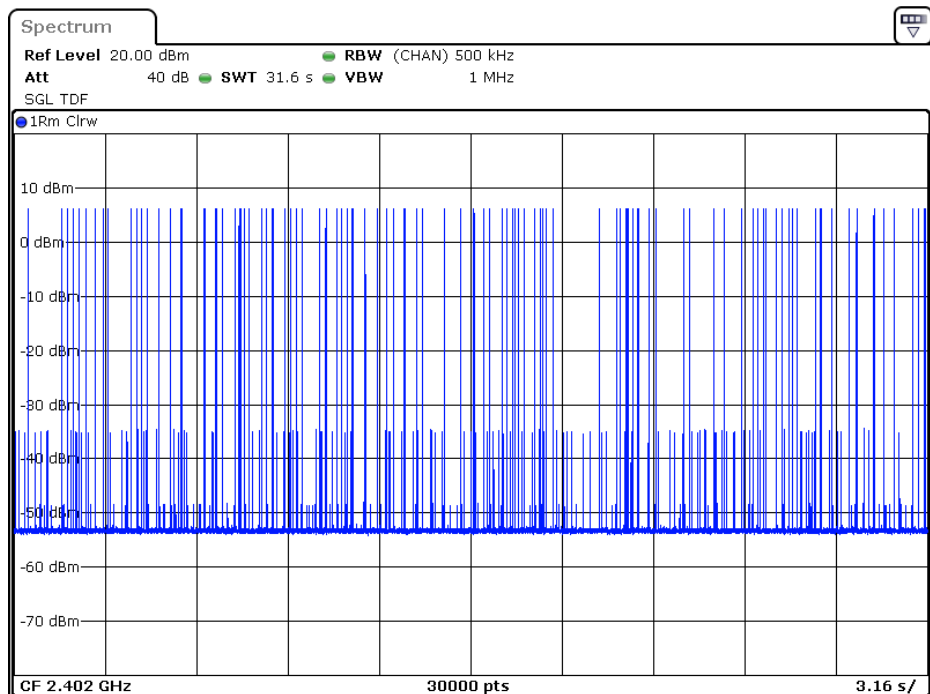
Number of hops (AFH mode)



Packet: DH5



Number of hops (Normal hopping mode)



Number of hops (AFH mode)

