

Table of Contents

1. Duty Cycle	2
2. -20dB Bandwidth	4
3. 99% Occupied Bandwidth	6
4. Peak Output Power	8
5. Spurious Emissions	10
6. Bandedge	13
7. Carrier Frequencies Separation (Hopping)	17
8. Number of Hopping Channel (Hopping)	19
9. Dwell Time (Hopping)	20

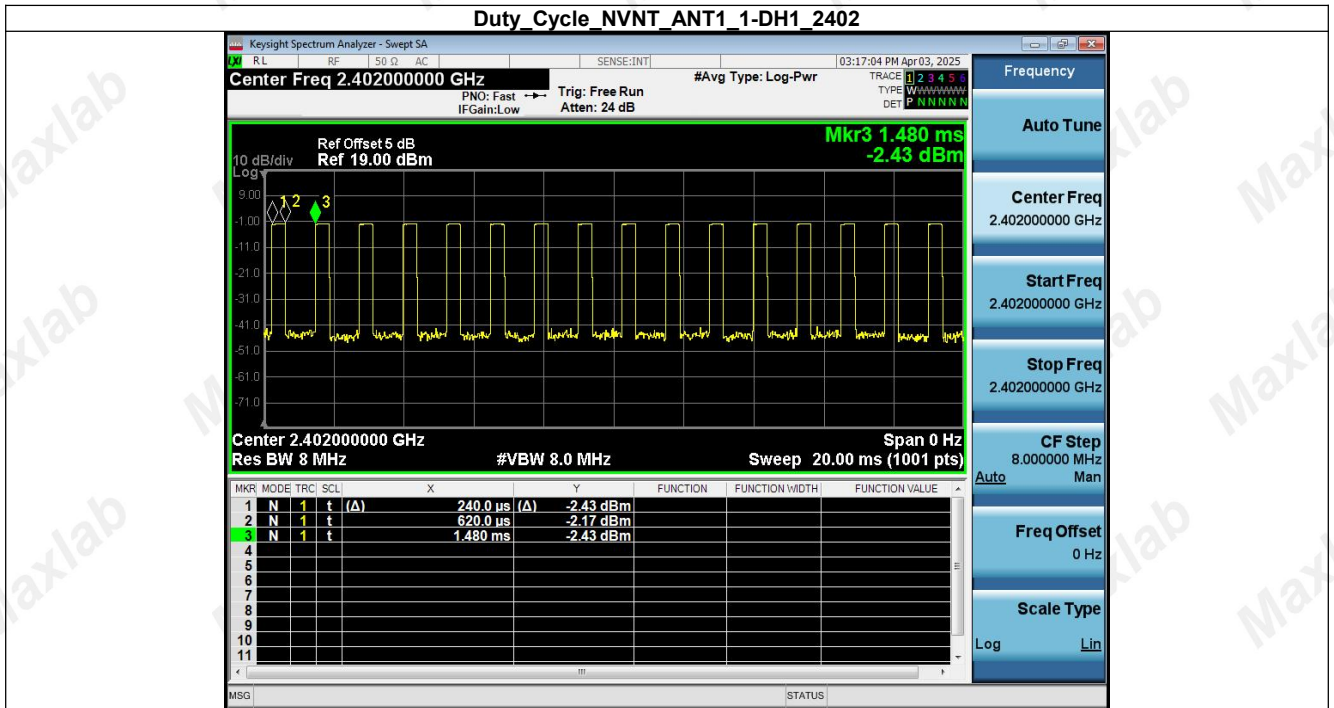
Report No.: MAX250402110P02-R01

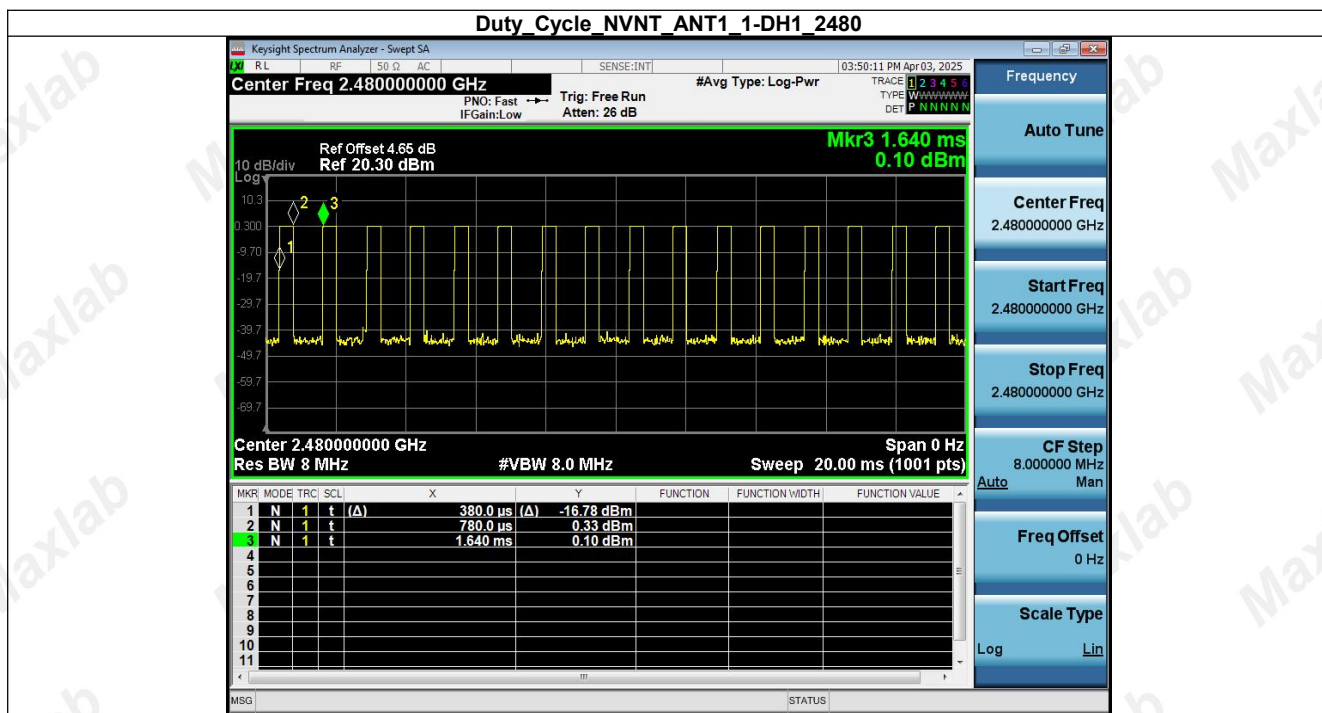
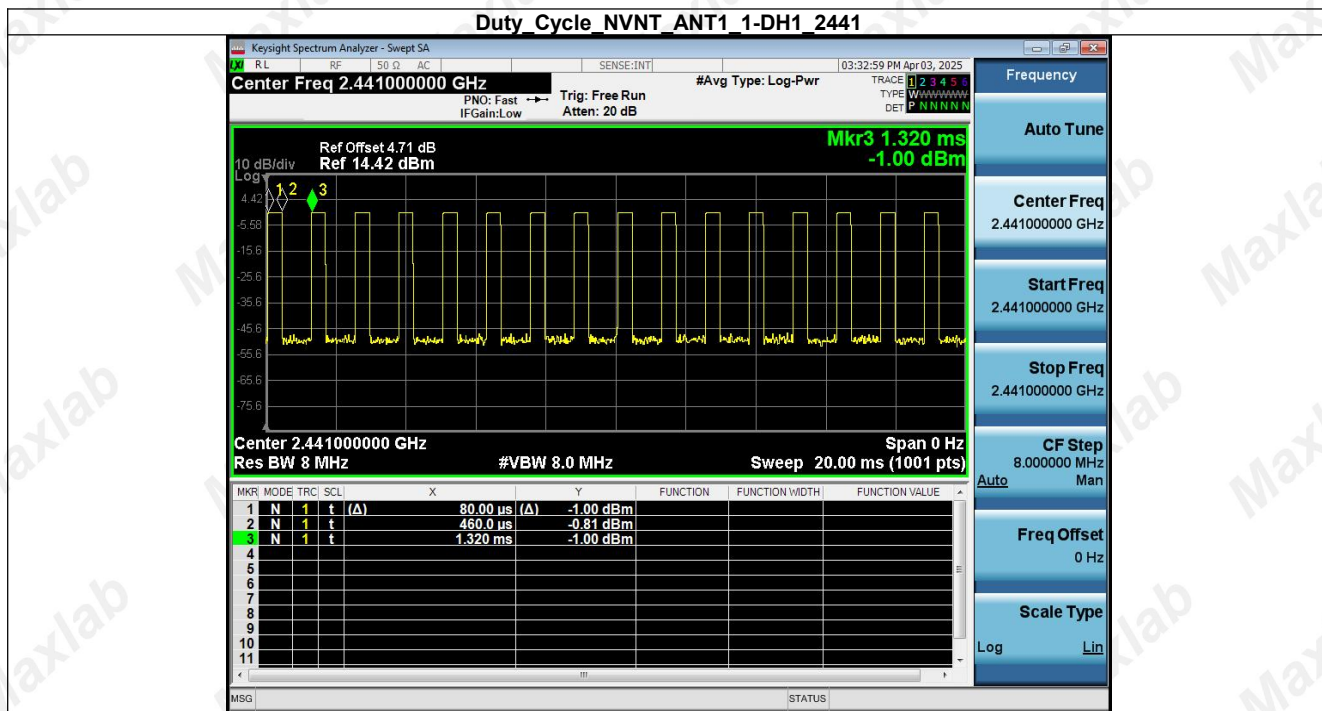
FCC ID:2A95L-SX22

FCC_BT (Part15.247) Test Data

1. Duty Cycle

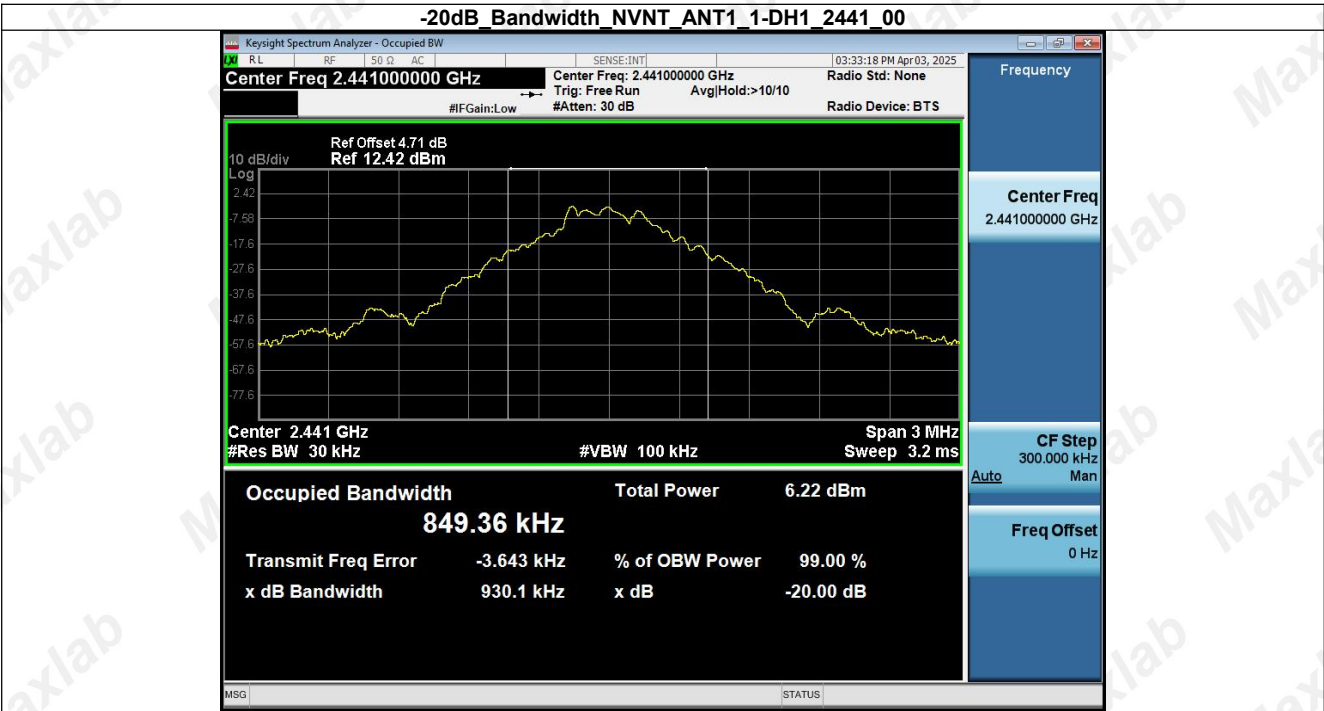
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH1	2402.00	30.65	5.14
NVNT	ANT1	1-DH1	2441.00	30.65	5.14
NVNT	ANT1	1-DH1	2480.00	31.75	4.98

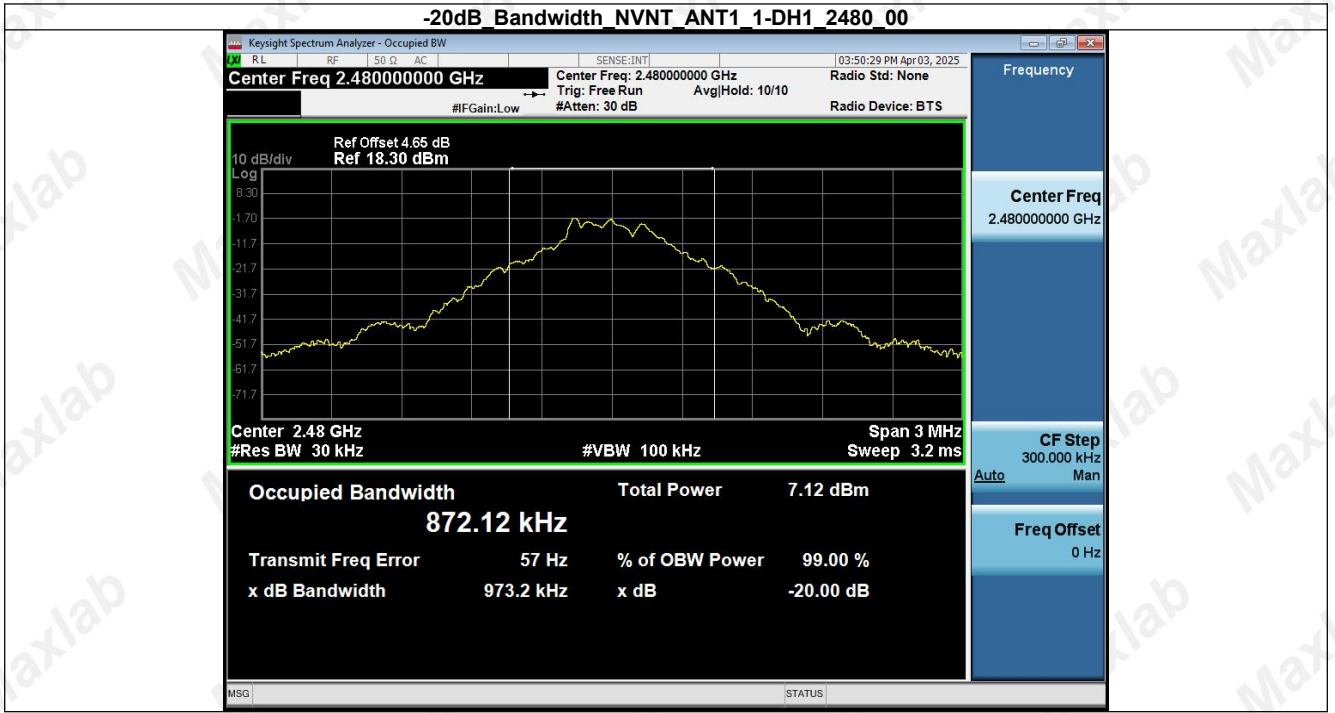




2. -20dB Bandwidth

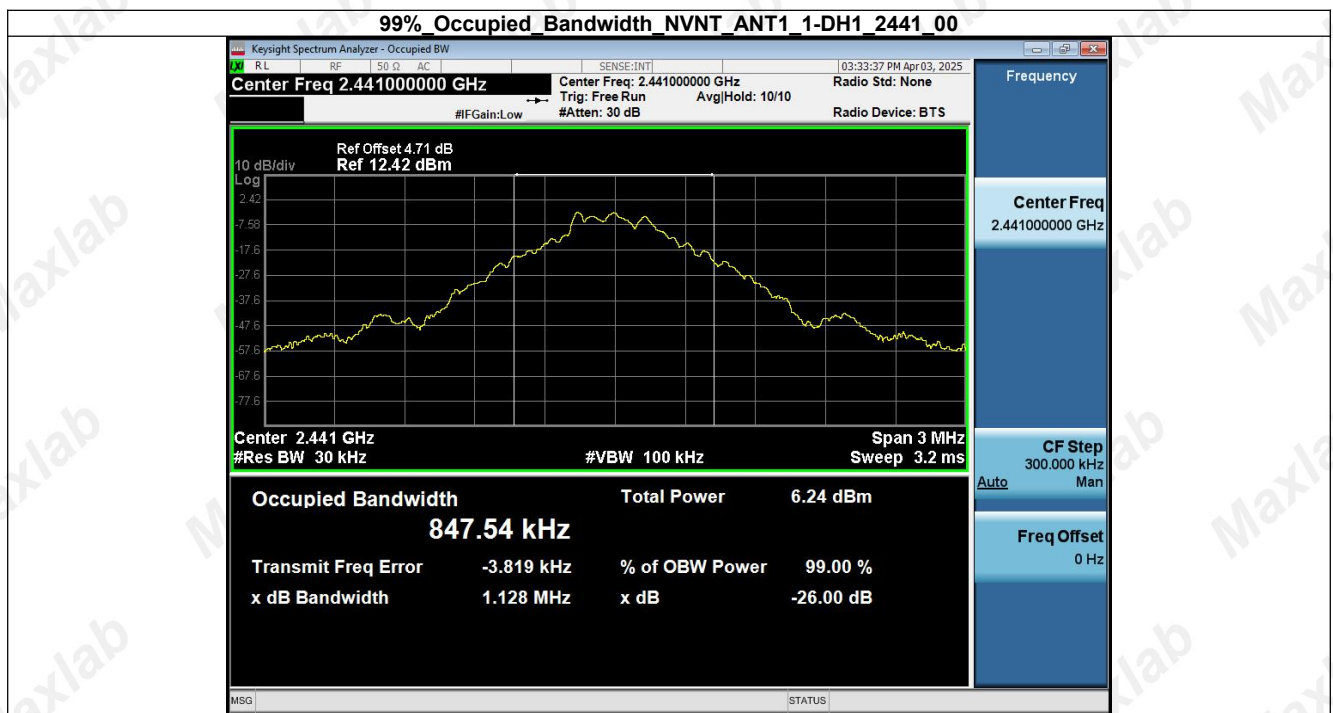
Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH1	2402.00	0.886	No
NVNT	ANT1	1-DH1	2441.00	0.930	No
NVNT	ANT1	1-DH1	2480.00	0.973	No

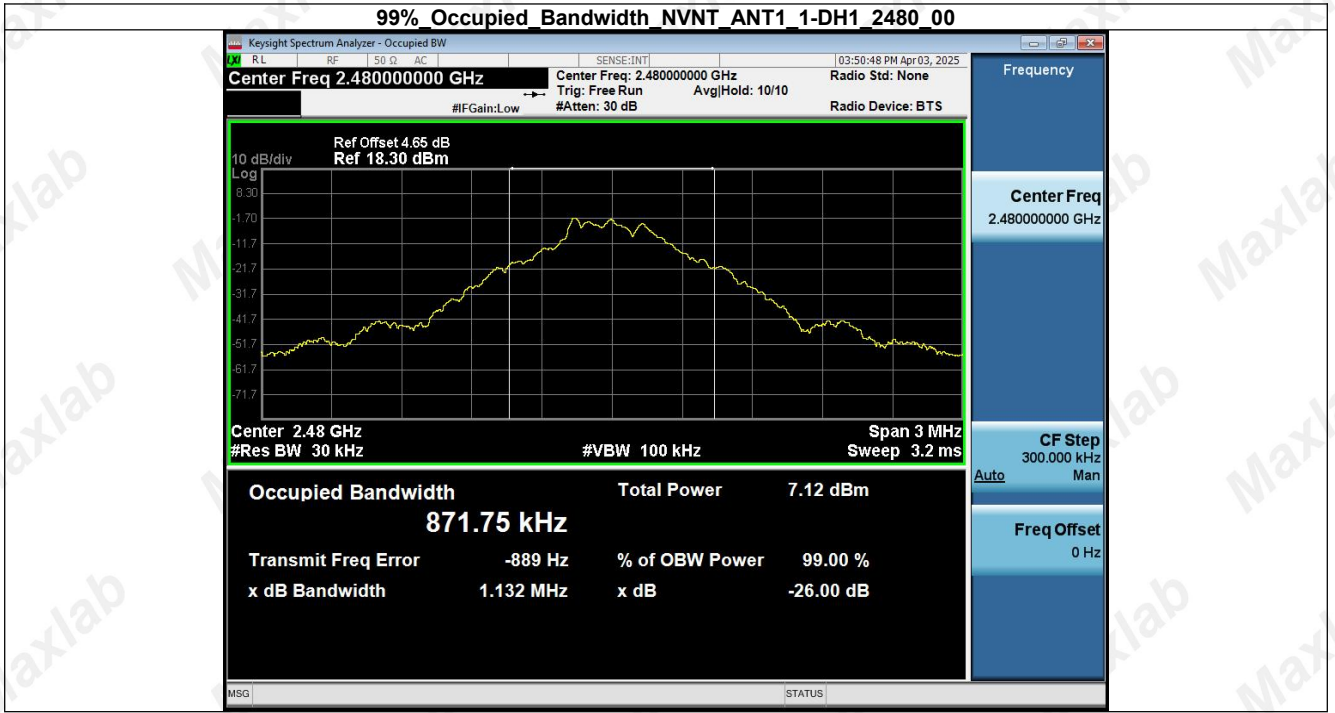




3. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW(MHz)
NVNT	ANT1	1-DH1	2402.00	0.831
NVNT	ANT1	1-DH1	2441.00	0.848
NVNT	ANT1	1-DH1	2480.00	0.872





4. Peak Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH1	2402.00	-2.13	0.61	1000	Pass
NVNT	ANT1	1-DH1	2441.00	-0.78	0.84	1000	Pass
NVNT	ANT1	1-DH1	2480.00	0.28	1.07	1000	Pass





5. Spurious Emissions

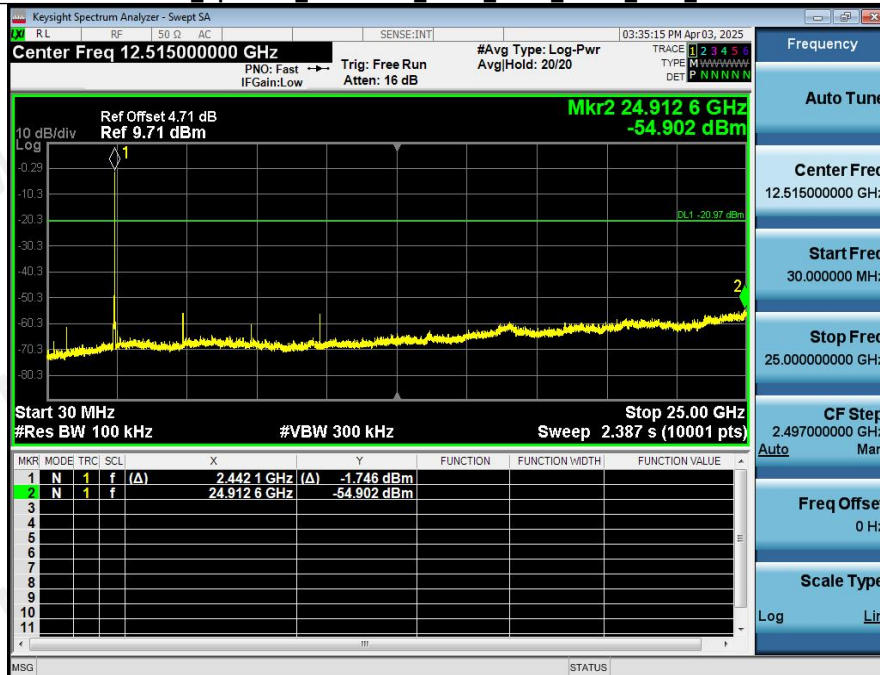
Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-2.399	-47.259	-22.399	Pass
NVNT	ANT1	1-DH1	2441.00	-0.972	-54.902	-20.972	Pass
NVNT	ANT1	1-DH1	2480.00	0.092	-49.405	-19.908	Pass



1 Reference Level NVNT ANT1_1-DH1_2441_00



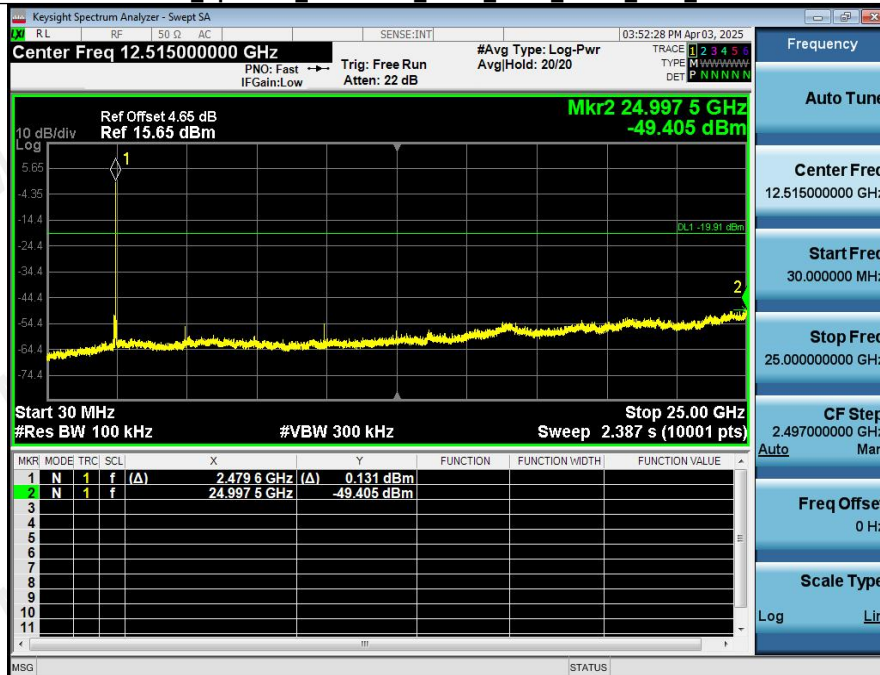
2 Spurious Emissions NVNT ANT1_1-DH1_2441_00



1 Reference Level NVNT ANT1 1-DH1 2480 00



2 Spurious Emissions NVNT ANT1 1-DH1 2480 00



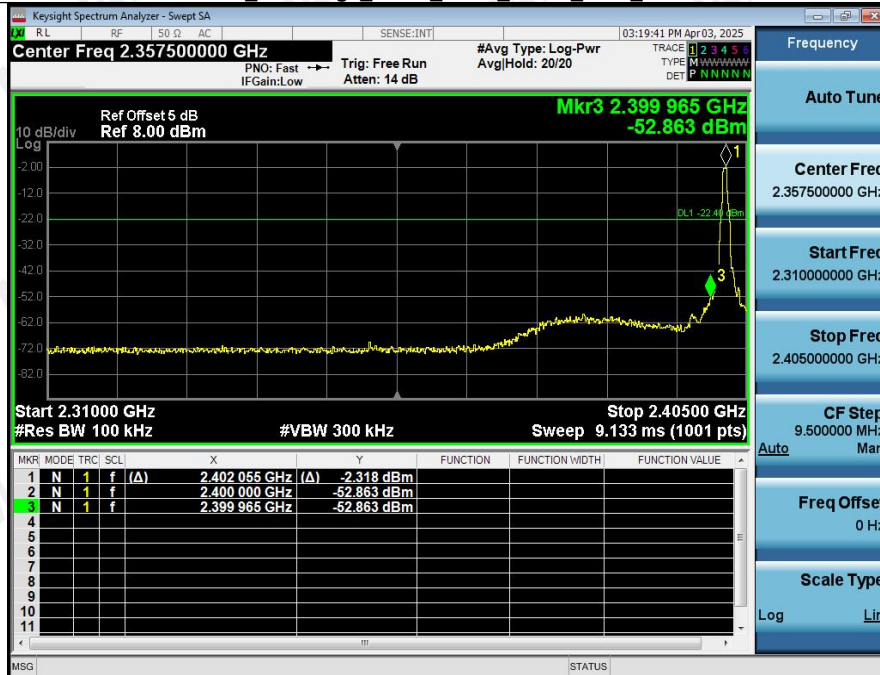
6. Bandedge

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-2.399	-52.863	-22.399	Pass
NVNT	ANT1	1-DH1	Hopping_LCH	0.676	-53.841	-19.324	Pass
NVNT	ANT1	1-DH1	2480.00	0.092	-52.187	-19.908	Pass
NVNT	ANT1	1-DH1	Hopping_HCH	0.390	-51.802	-19.610	Pass

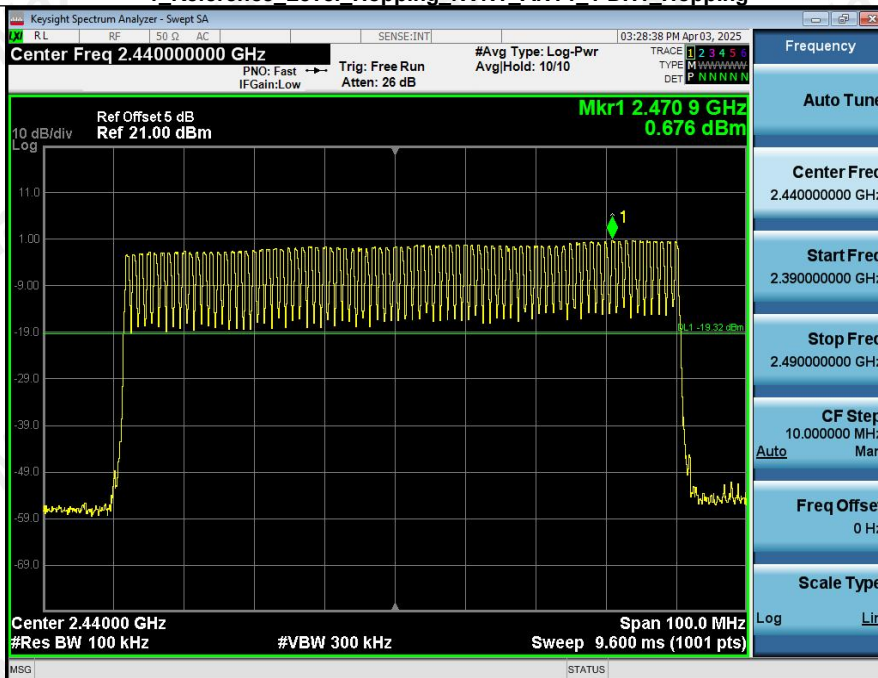
1_Reference_Level_NVNT_ANT1_1-DH1_2402_00



2_Bandedge_NVNT_ANT1_1-DH1_2402_00



1 Reference Level Hopping NVNT ANT1 1-DH1 Hopping



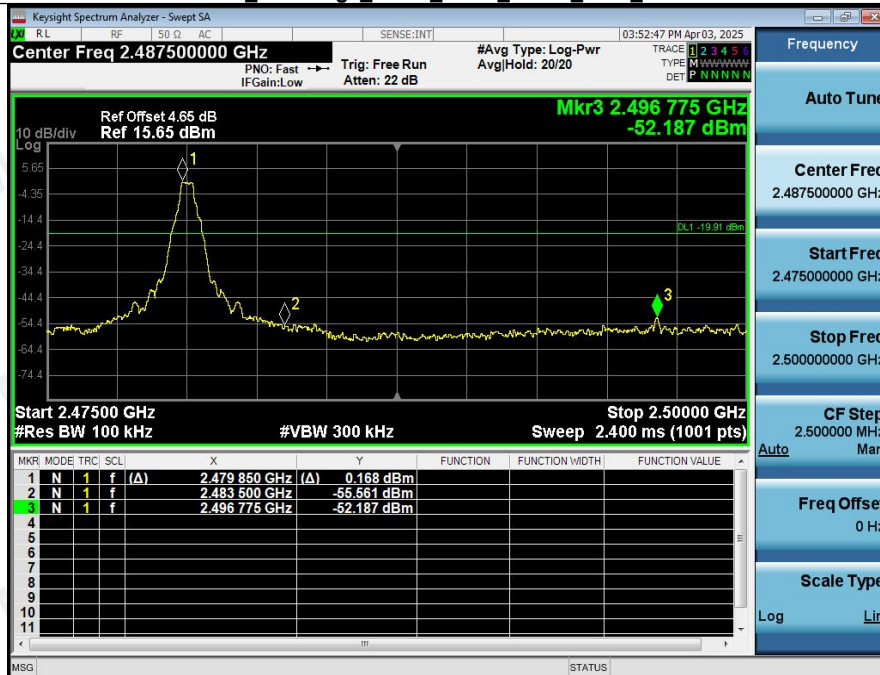
2_Band_Edge_(Hopping)_NVNT ANT1 1-DH1 Hopping



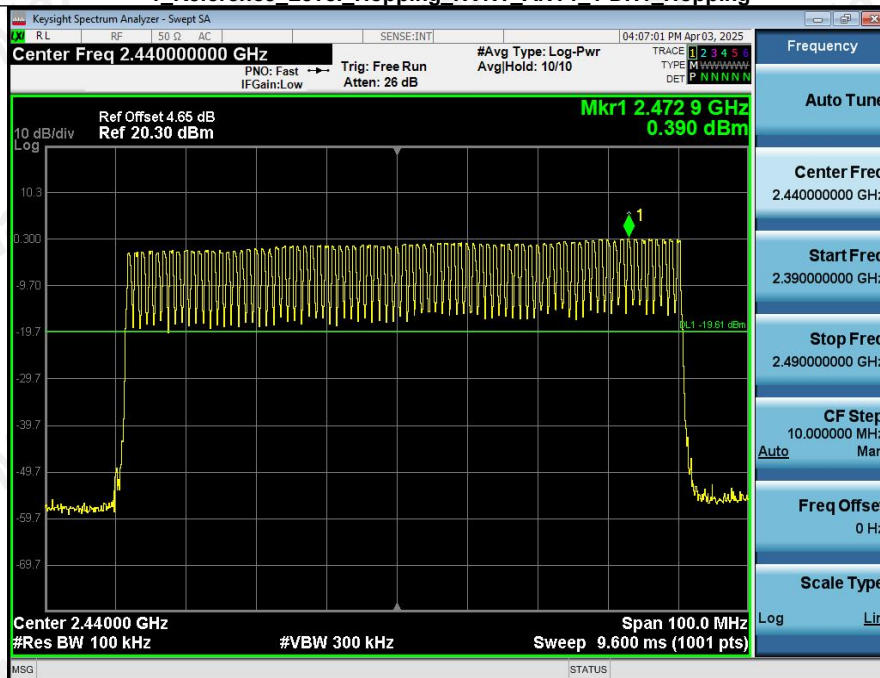
1 Reference Level NVNT ANT1_1-DH1 2480_00



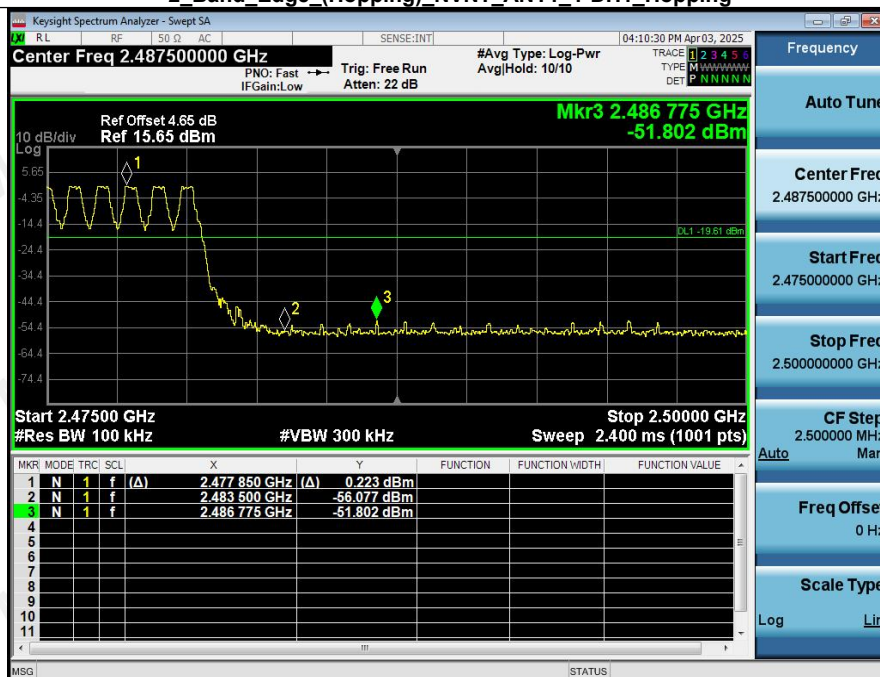
2 Bandedge NVNT ANT1_1-DH1 2480_00



1 Reference Level Hopping NVNT ANT1 1-DH1 Hopping

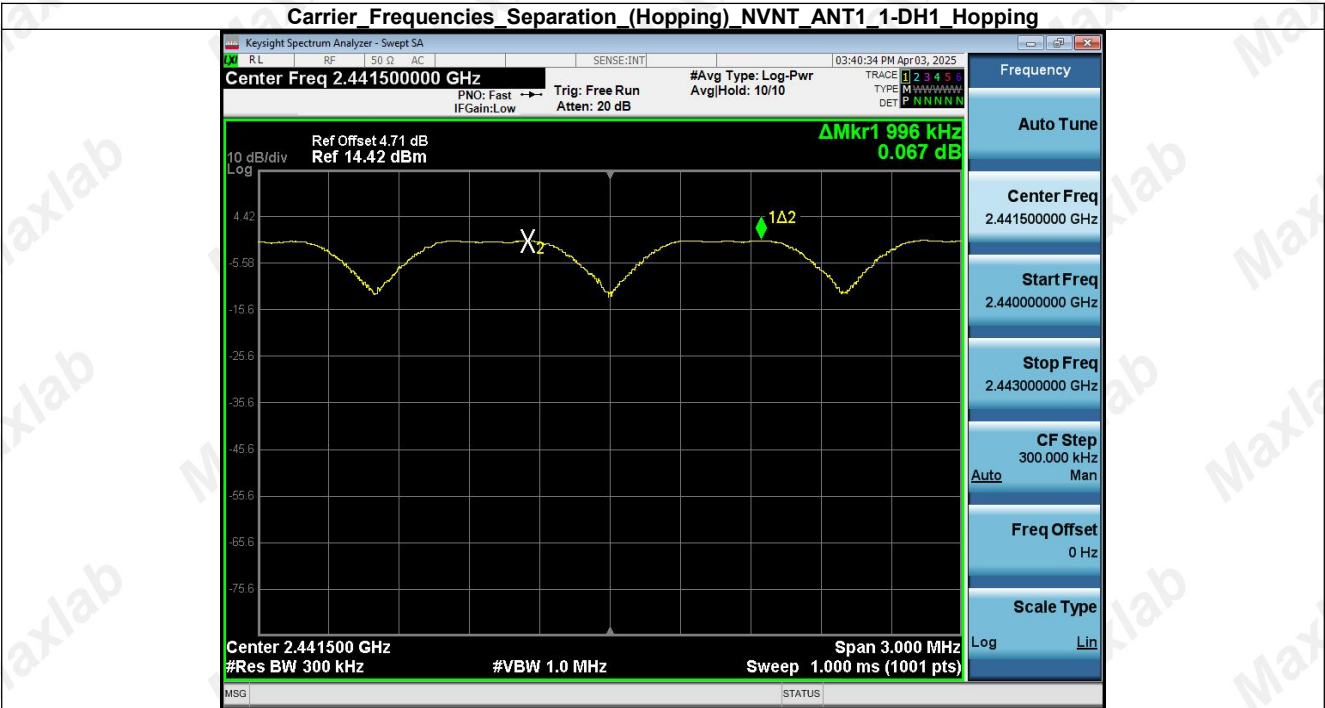


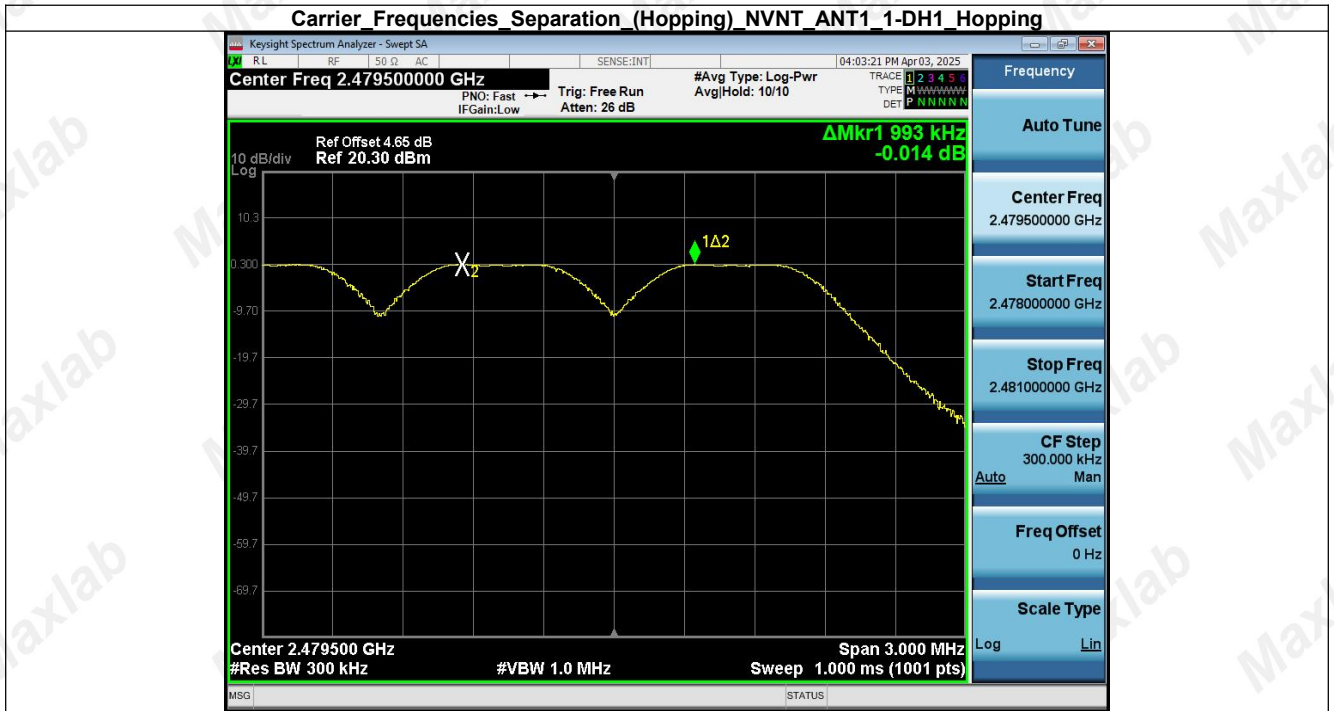
2_Band_Edge_(Hopping)_NVNT ANT1 1-DH1 Hopping



7. Carrier Frequencies Separation (Hopping)

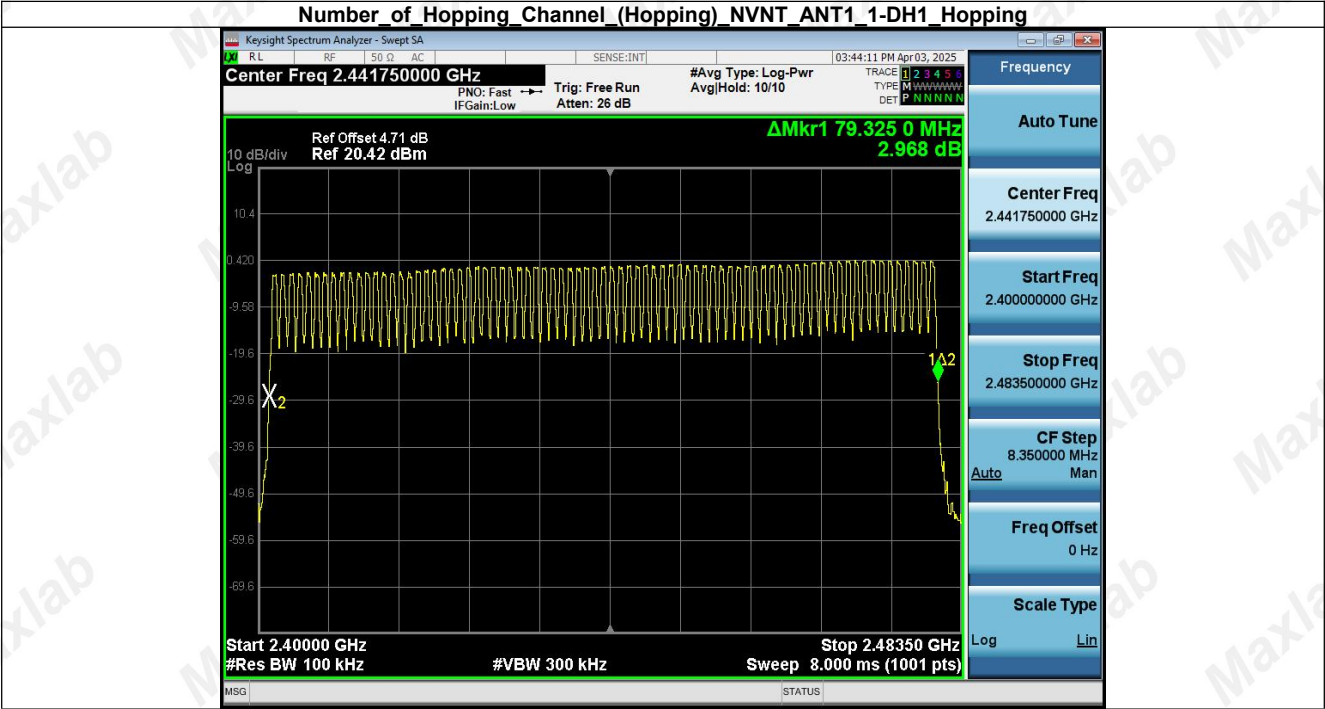
Condition	Antenna	Modulation	Frequency(MHz)	Hopping NO.0 (MHz)	Hopping NO.1 (MHz)	Carrier Frequencies Separation(MHz)	Limit(MHz)	Result
NVNT	ANT1	1-DH1	2402.00	2402.170	2403.157	0.99	0.886	Pass
NVNT	ANT1	1-DH1	2441.00	2441.149	2442.145	1.00	0.930	Pass
NVNT	ANT1	1-DH1	2480.00	2478.852	2479.845	0.99	0.973	Pass





8. Number of Hopping Channel (Hopping)

Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH1	79	15	Pass



9. Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH1	0.390	319.00	124.410	0.40	Pass
NVNT	ANT1	1-DH3	1.650	161.00	265.650	0.40	Pass
NVNT	ANT1	1-DH5	2.890	110.00	317.900	0.40	Pass

Dwell Time (Hopping) NVNT ANT1 1-DH1 2441 00 One Burst Time

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2	1	t	(Δ)	390.0 μs	(Δ)	-30.03 dB	
2	F	1	t		480.0 μs		-1.05 dBm	

Dwell Time (Hopping) NVNT ANT1 1-DH1 2441 00 Accumulated

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2	1	t	(Δ)	8.052 s	(Δ)	-0.85 dBm	

Page 20 of 22

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH1	0.390	319.00	124.410	0.40	Pass
NVNT	ANT1	1-DH3	1.650	161.00	265.650	0.40	Pass
NVNT	ANT1	1-DH5	2.890	110.00	317.900	0.40	Pass

