Page: 1 of 41

Appendix for SHEM21020015601_Right_BT

1. Bandwidth

1.1 Test Result

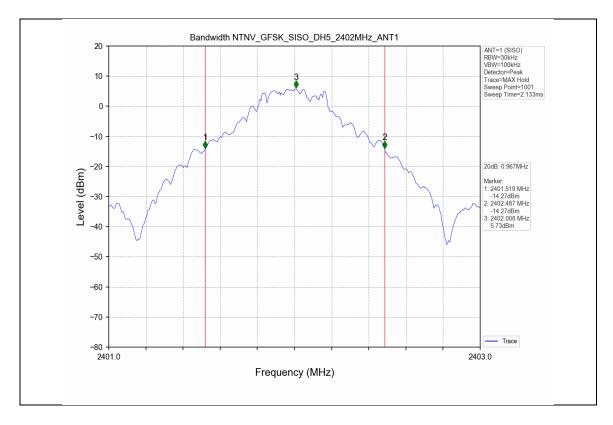
Test Mode	Frequency (MHz) TX Typ		ANT No.	20dB Bandwidth Test Result (MHz)	Verdict
	` '	0100	4	` /	DA 00
	2402	SISO	1	0.967	PASS
GFSK	2441	SISO	1	1.015	PASS
	2480	SISO	1	0.965	PASS
	2402	SISO	1	1.288	PASS
Pi/4DQPSK	2441	SISO	1	1.291	PASS
	2480	SISO	1	1.292	PASS
	2402	SISO	1	1.310	PASS
8DPSK	2441	SISO	1	1.288	PASS
	2480	SISO	1	1.302	PASS

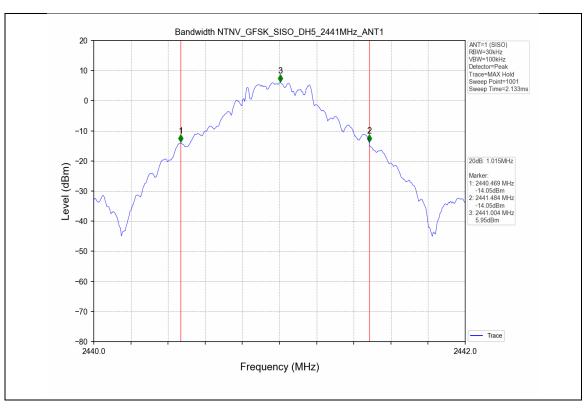
Test Mode	Frequency	TV Type	ANT No	99% Occupied Bandwidth		
rest wode	(MHz)	TX Type	ANT NO.	Test Res	Only for Report Use	
	2402	SISO	1	0.887	Only for Report Use	
GFSK	2441	SISO	1	0.880	Only for Report Use	
	2480	SISO	1	Test Result (Only for Report Use	
	2402	SISO	1	1.166	Only for Report Use	
Pi/4DQPSK	2441	SISO	Test Result (O	Only for Report Use		
	2480	SISO	1	1.188	Only for Report Use	
	2402	SISO	1	1.189	Only for Report Use	
8DPSK	2441	SISO	1	1.186	Only for Report Use	
	2480	SISO	1	1.198	Only for Report Use	

1.2 Test Graph - 20dB Bandwidth



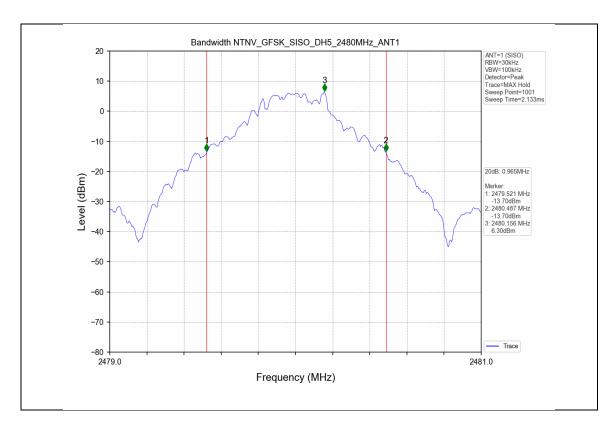
Page: 2 of 41

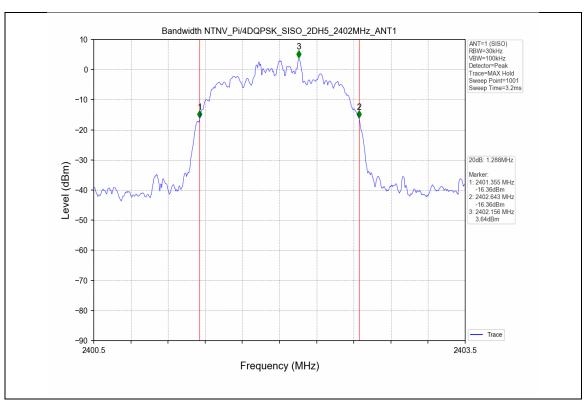






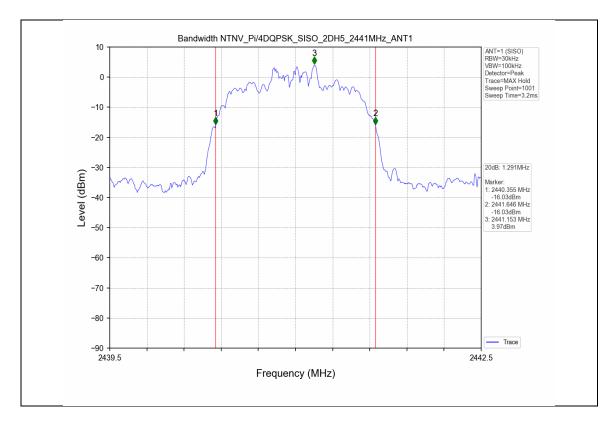
Page: 3 of 41

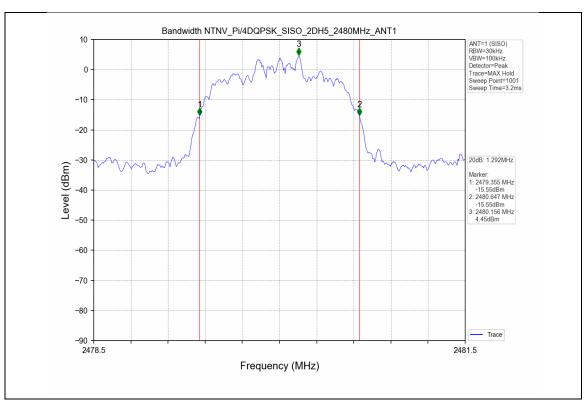






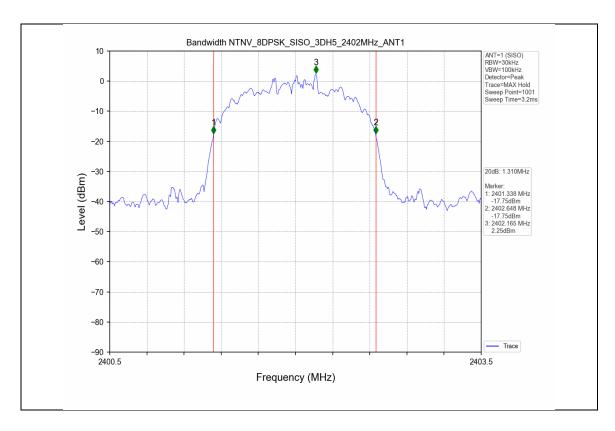
Page: 4 of 41

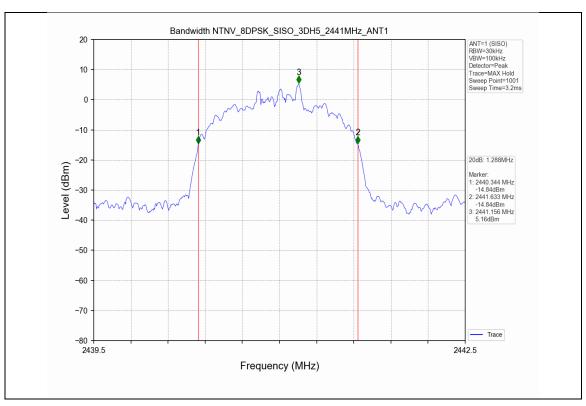




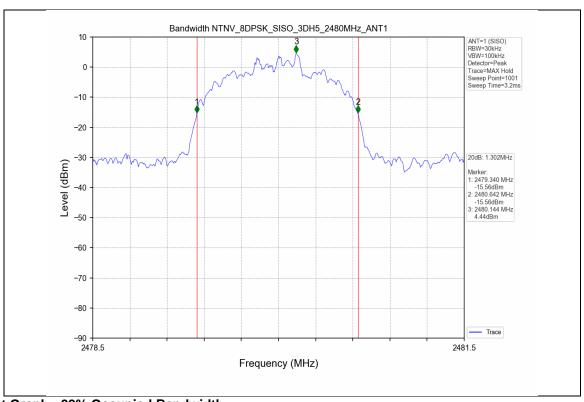


Page: 5 of 41

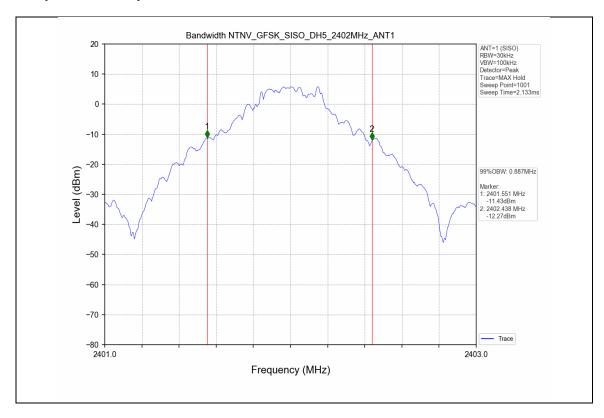




Page: 6 of 41



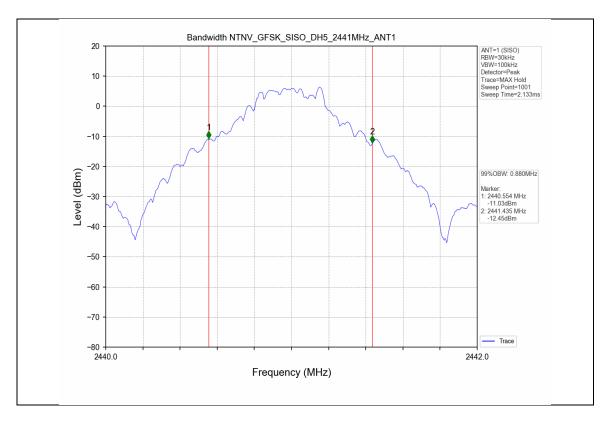
1.3 Test Graph - 99% Occupied Bandwidth

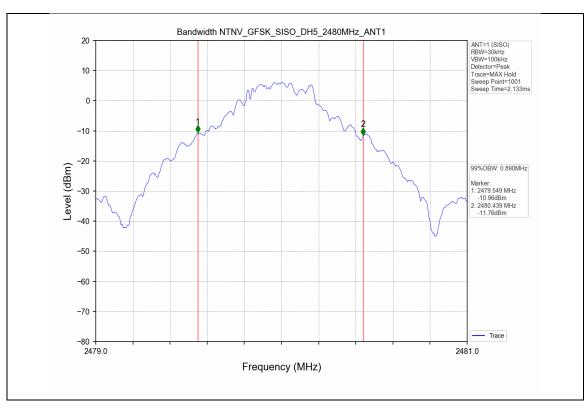


NO.588 West Jindu Road, Songjiang District, Shanghai, China 201612 中国・上海・松江区金都西路588号 邮编: 201612 $\begin{array}{lll} t(86\text{-}21)\, 61915666 & f(86\text{-}21)\, 61915678 & \text{www.sgsgroup.com.cn} \\ t(86\text{-}21)\, 61915666 & f(86\text{-}21)\, 61915678 & \text{e sgs.china@sgs.com} \end{array}$



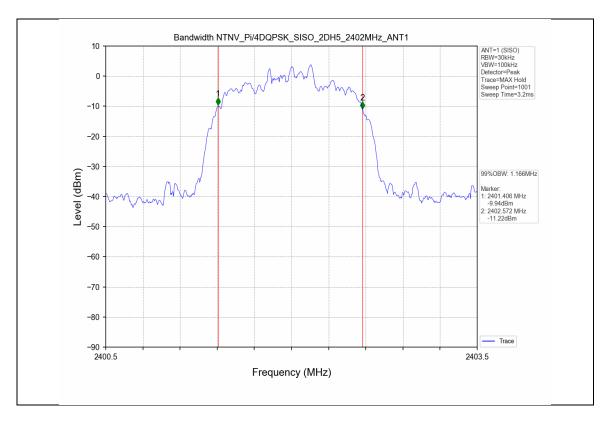
Page: 7 of 41

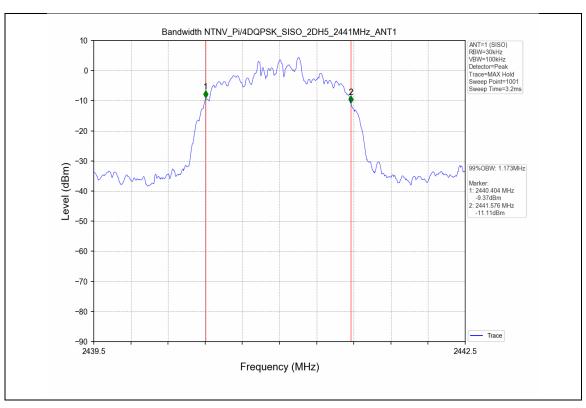






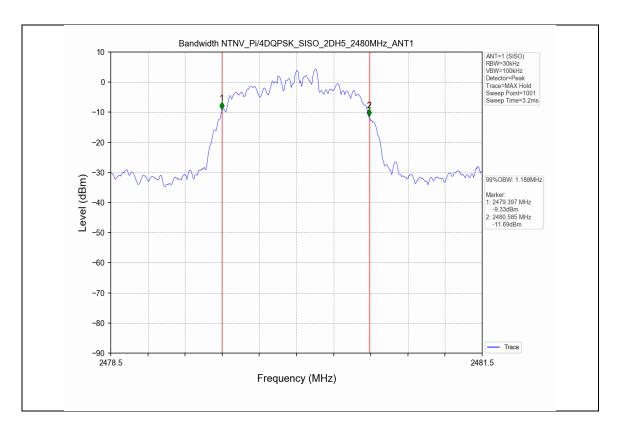
Page: 8 of 41

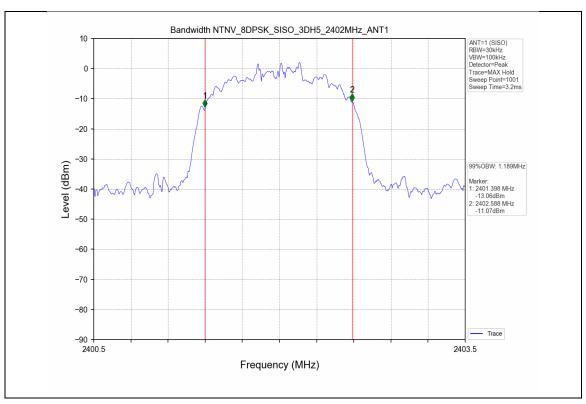






Page: 9 of 41

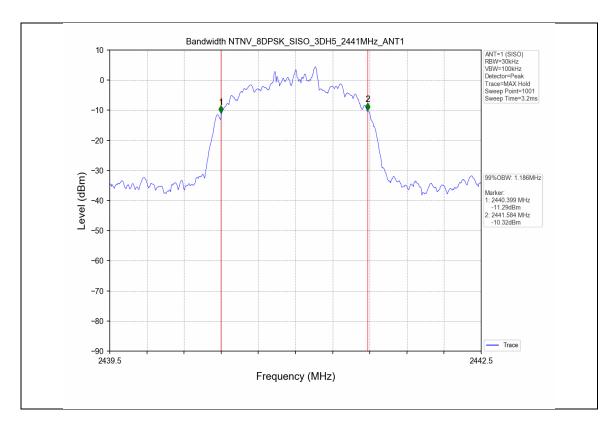


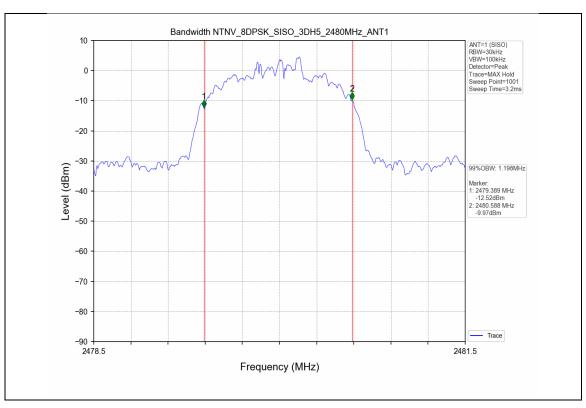


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Page: 10 of 41





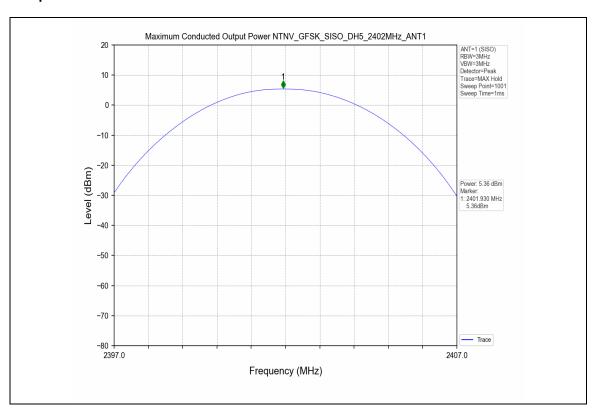
Page: 11 of 41

2. Maximum Conducted Output Power

2.1 Test Result

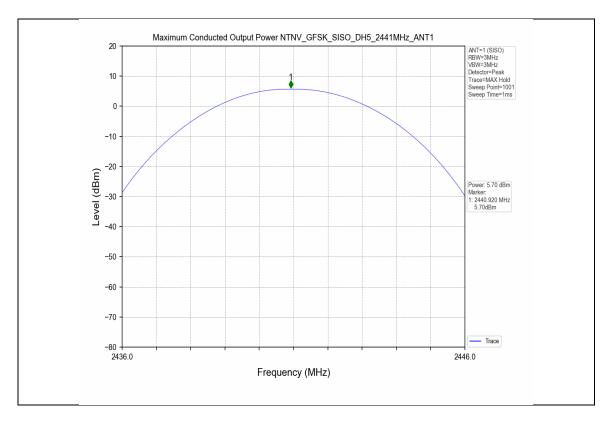
Test Mode	Frequency (MHz)	Тх Туре	Measured Peak Output Power (dBm) Ant 1	Limits (dBm)	Verdict
	2402	SISO	5.36	20.97	PASS
GFSK	2441	SISO	5.70	20.97	PASS
	2480	SISO	5.61	20.97	PASS
	2402	SISO	4.96	20.97	PASS
Pi/4DQPSK	2441	SISO	5.35	20.97	PASS
	2480	SISO	5.25	20.97	PASS
8DPSK	2402	SISO	5.39	20.97	PASS
	2441	SISO	5.72	20.97	PASS
	2480	SISO	5.66	20.97	PASS

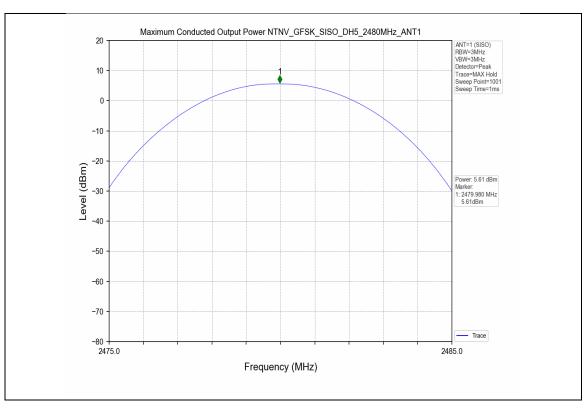
2.2 Test Graph





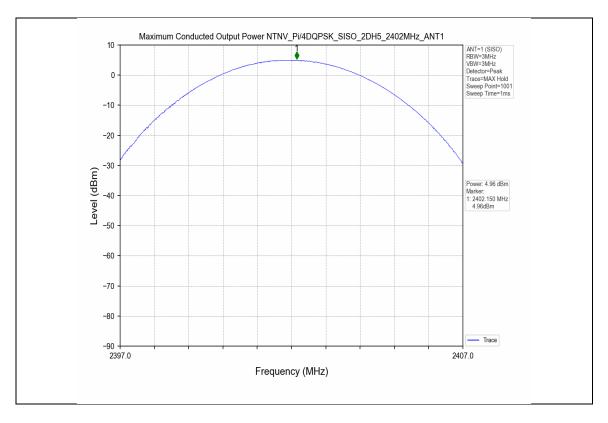
Page: 12 of 41

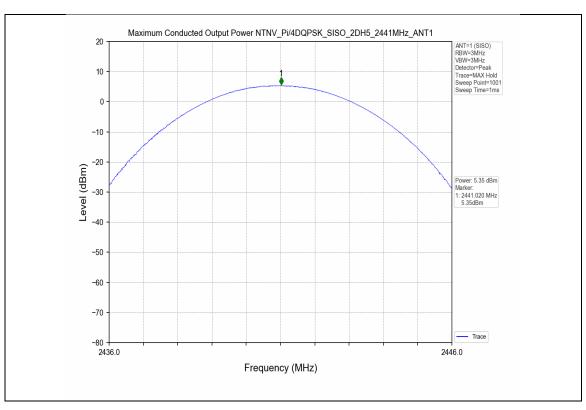




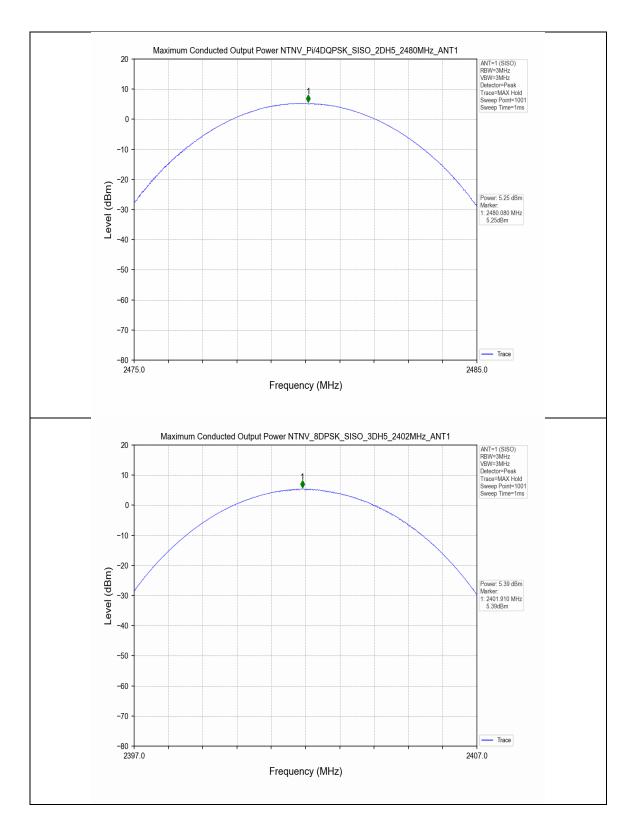


Page: 13 of 41



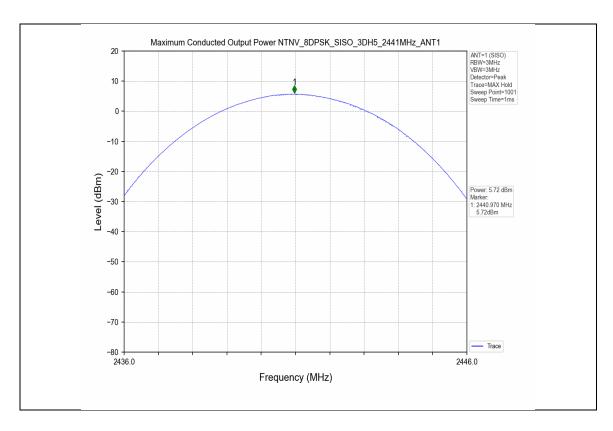


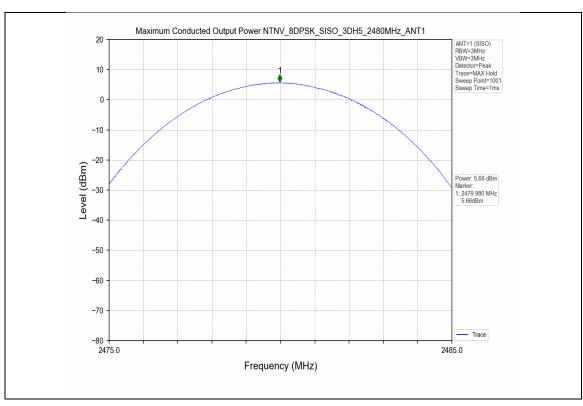
Page: 14 of 41





Page: 15 of 41





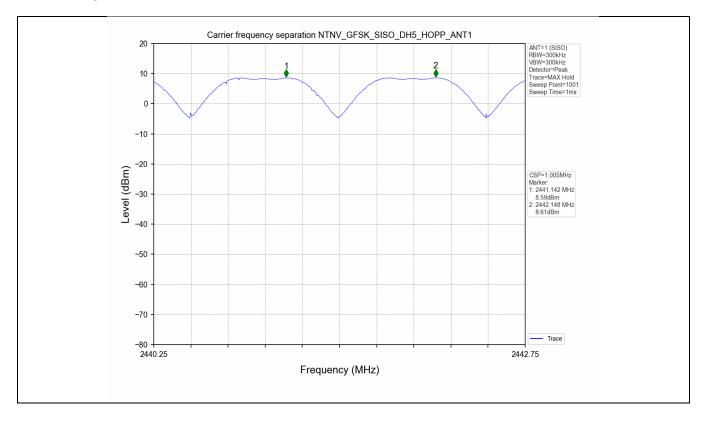
Page: 16 of 41

3. Carrier frequency separation

3.1 Test Result

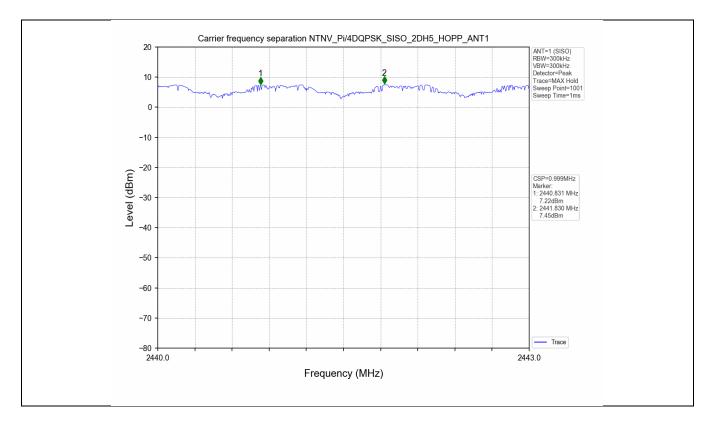
Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.005	1.015	≥0.677	PASS
Pi/4DQPSK	SISO	1	0.999	1.292	≥0.861	PASS
8DPSK	SISO	1	0.984	1.310	≥0.873	PASS

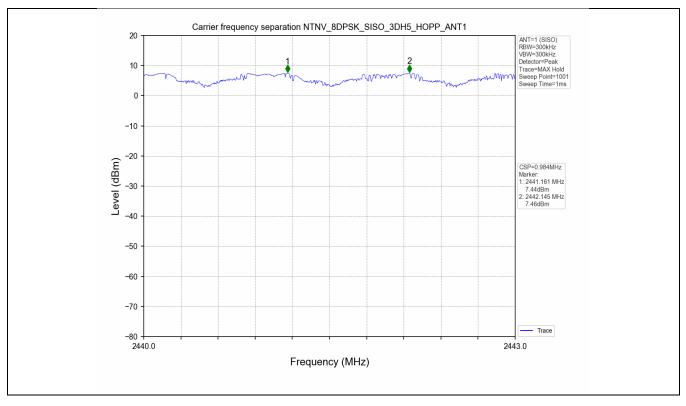
3.2 Test Graph





Page: 17 of 41







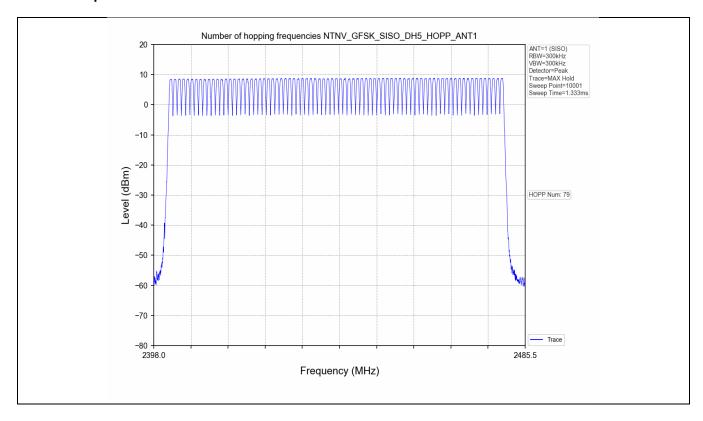
Page: 18 of 41

4. Number of hopping frequencies

4.1 Test Result

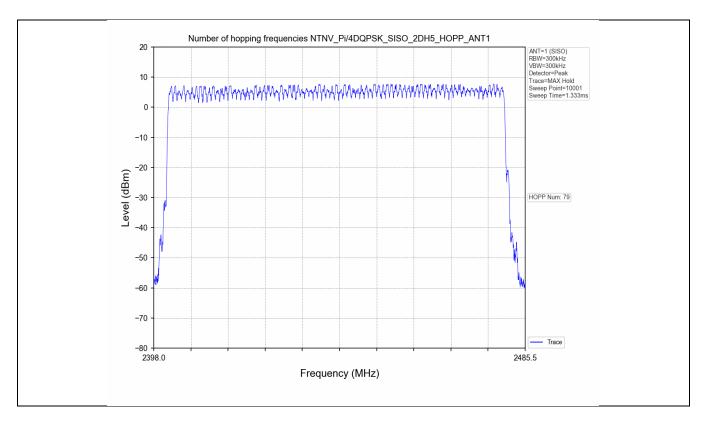
Test Mode	TX Type	ANT No.	Num of Hopping Frequencies	Limits	Verdict
GFSK	SISO	1	79	≥15	PASS
Pi/4DQPSK	SISO	1	79	≥15	PASS
8DPSK	SISO	1	79	≥15	PASS

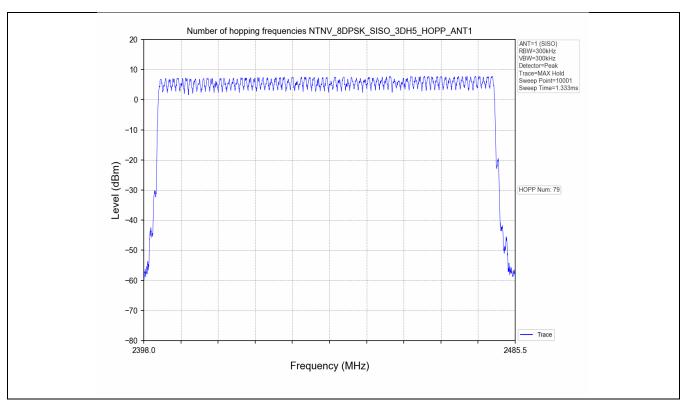
4.2 Test Graph





Page: 19 of 41





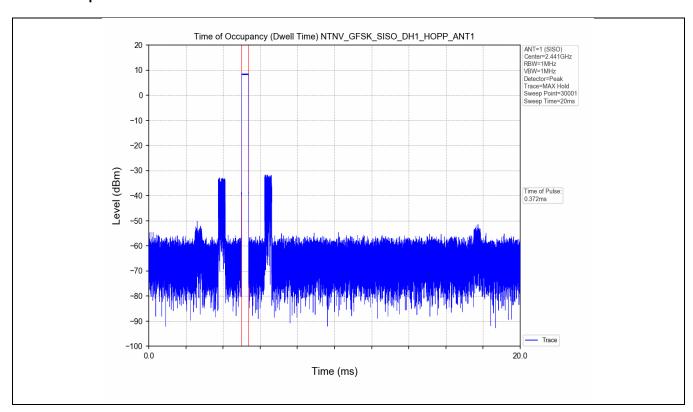
Page: 20 of 41

5. Time of occupancy (dwell time)

5.1 Test Result

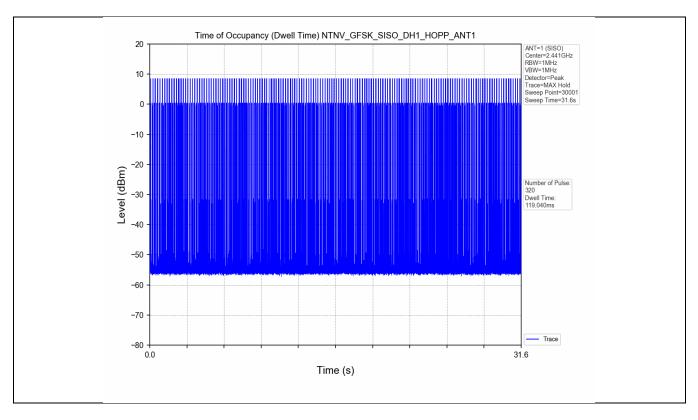
Test Mode	Packet Type	ТХ Туре	ANT No.			Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
	DH1	SISO	1	0.372	31.6	320	119.040	≤400	PASS
GFSK	DH3	SISO	1	1.628	31.6	162	263.736	≤400	PASS
	DH5	SISO	1	2.875	31.6	97	278.875	≤400	PASS
Di/ADO	2DH1	SISO	1	0.381	31.6	320	121.920	≤400	PASS
Pi/4DQ PSK	2DH3	SISO	1	1.633	31.6	161	262.913	≤400	PASS
FSK	2DH5	SISO	1	2.881	31.6	105	302.505	≤400	PASS
	3DH1	SISO	1	0.381	31.6	320	121.920	≤400	PASS
8DPSK	3DH3	SISO	1	1.632	31.6	163	266.016	≤400	PASS
	3DH5	SISO	1	2.883	31.6	105	302.715	≤400	PASS

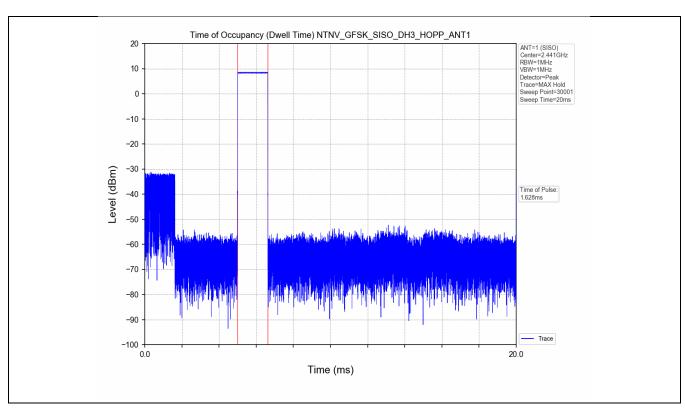
5.2 Test Graph





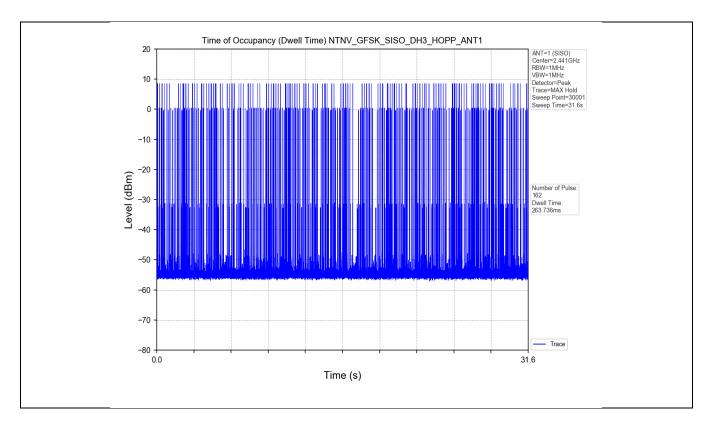
Page: 21 of 41

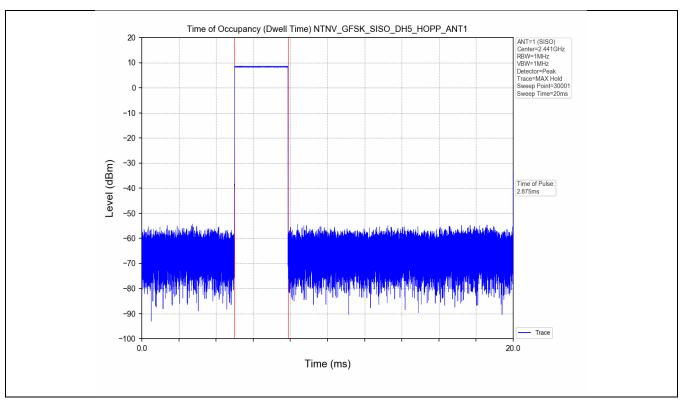






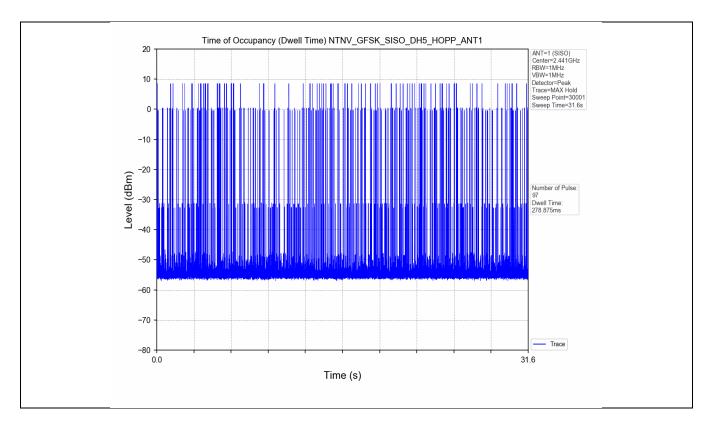
Page: 22 of 41

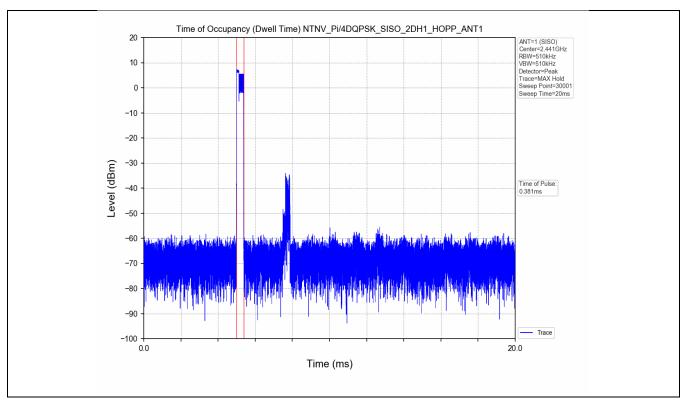






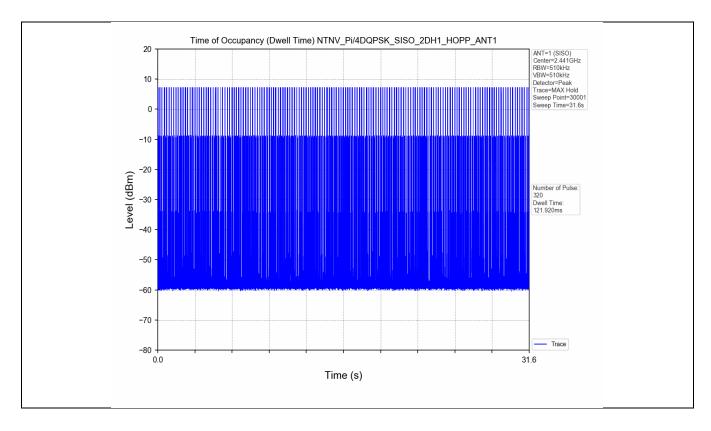
Page: 23 of 41

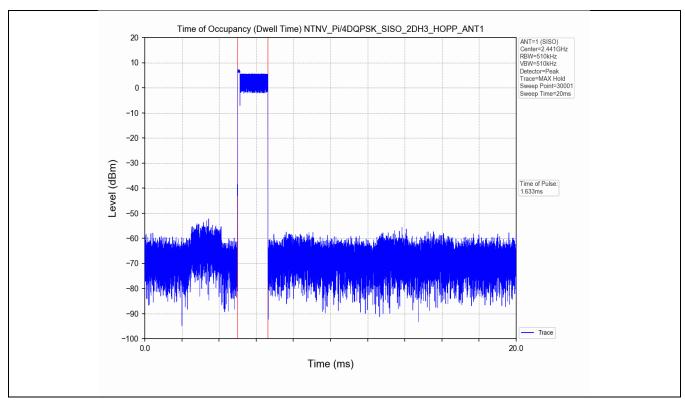






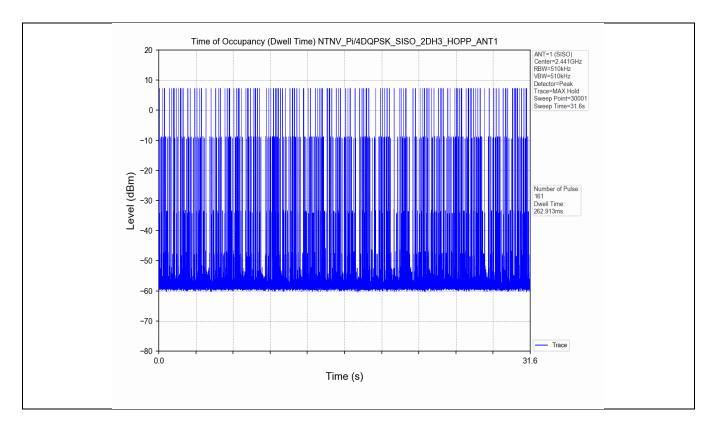
Page: 24 of 41

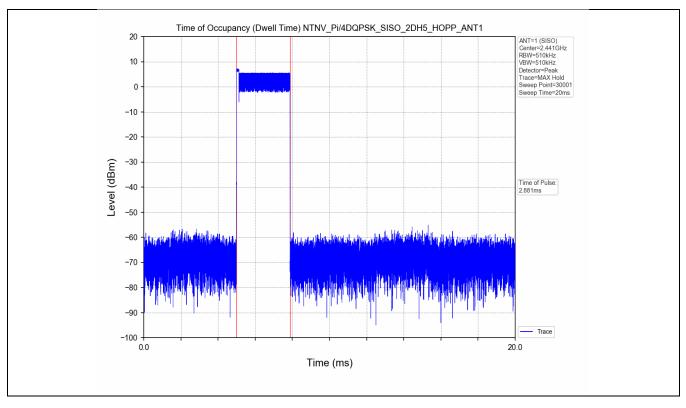






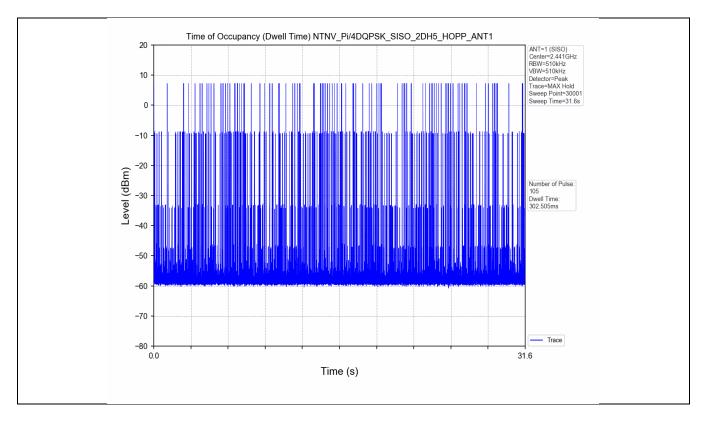
Page: 25 of 41

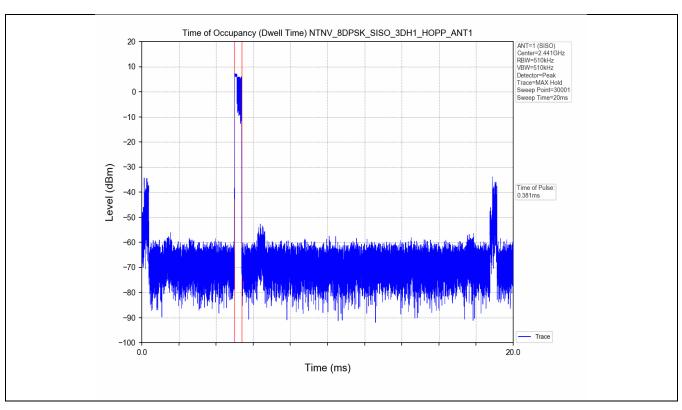






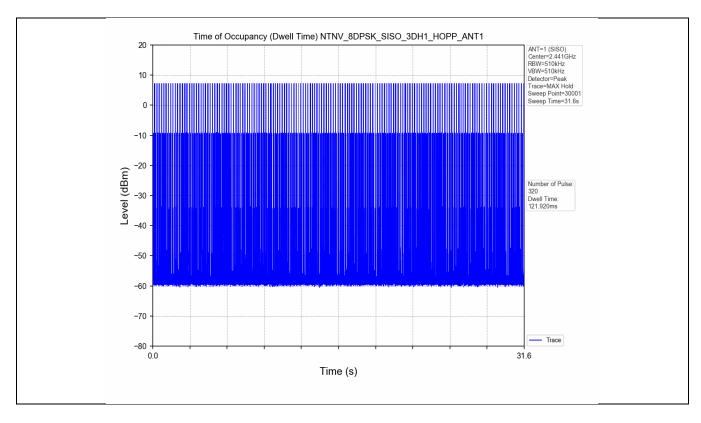
Page: 26 of 41

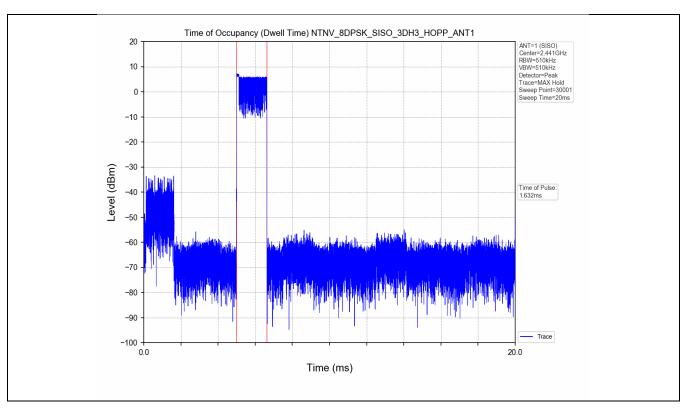






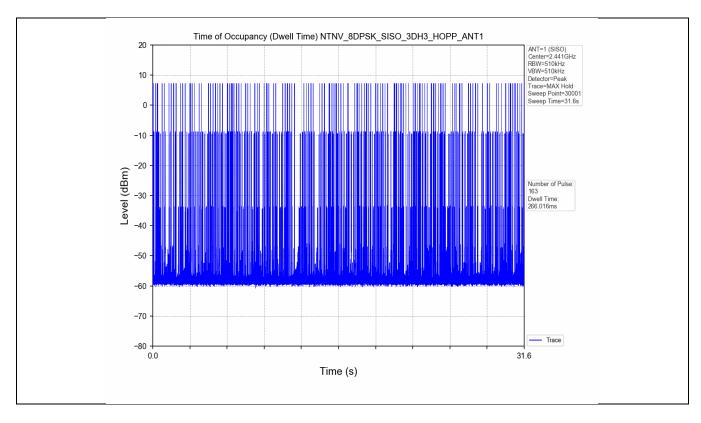
Page: 27 of 41

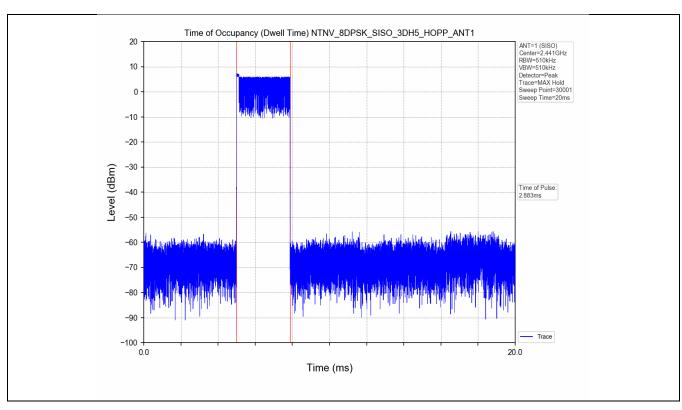






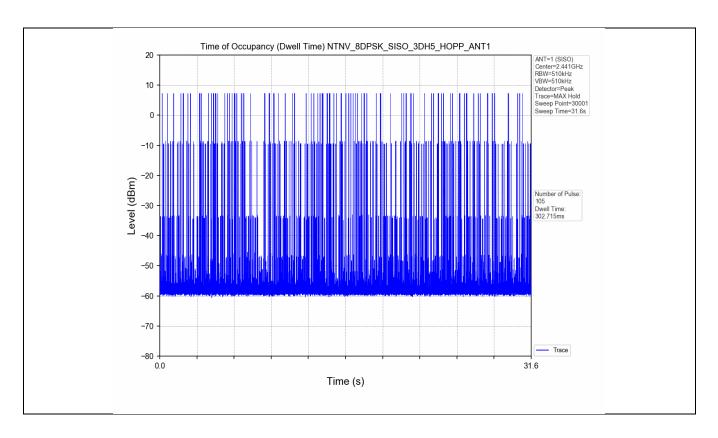
Page: 28 of 41







Page: 29 of 41



6. Unwanted Emissions in Non-restricted Frequency Bands

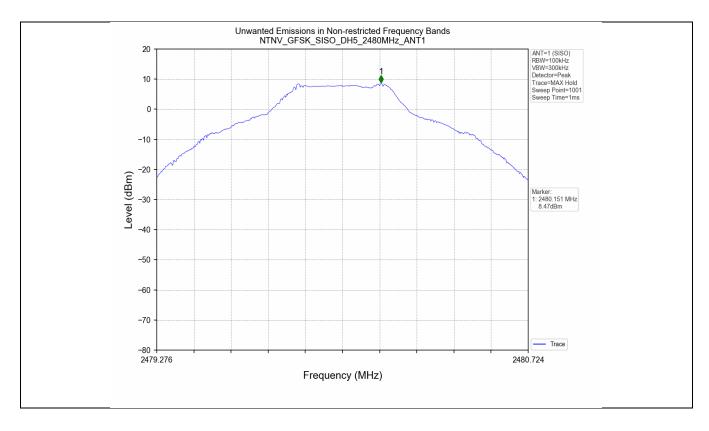
6.1 Test Result

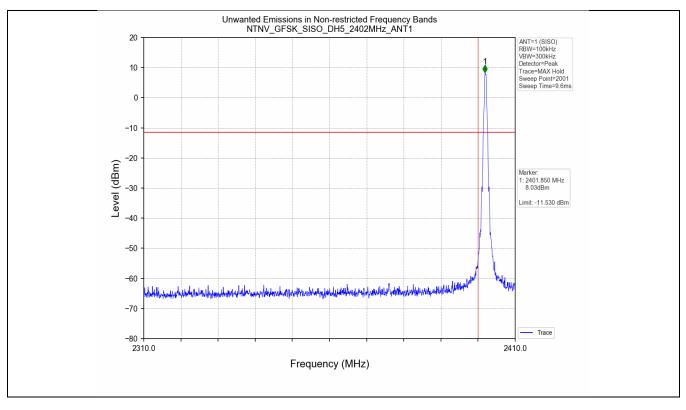
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
	2402	SISO	1	Refer to test graph	-11.53	PASS
GFSK	2441	SISO	1	Refer to test graph	-11.53	PASS
GFSK	2480	SISO	1	Refer to test graph	-11.53	PASS
	Hopping	SISO	1	Refer to test graph	-11.53	PASS
	2402	SISO	1	Refer to test graph	-12.52	PASS
Pi/4DQPSK	2441	SISO	1	Refer to test graph	-12.52	PASS
PI/4DQPSK	2480	SISO	1	Refer to test graph	-12.52	PASS
	Hopping	SISO	1	Refer to test graph	-12.52	PASS
	2402	SISO	1	Refer to test graph	-12.48	PASS
8DPSK	2441	SISO	1	Refer to test graph	-12.48	PASS
	2480	SISO	1	Refer to test graph	-12.48	PASS
	Hopping	SISO	1	Refer to test graph	-12.48	PASS

6.2 Test Graph



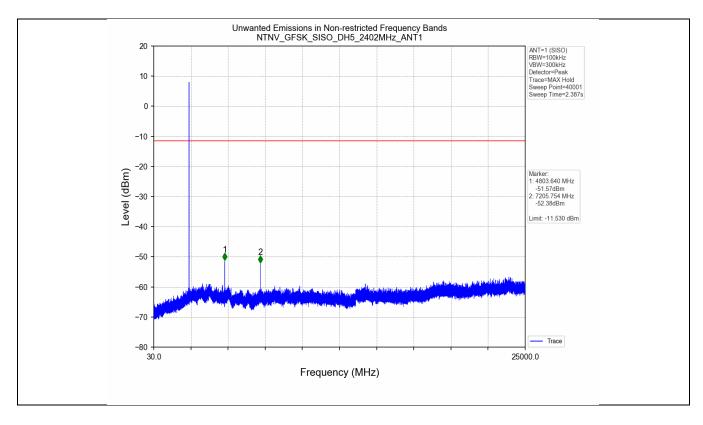
Page: 30 of 41

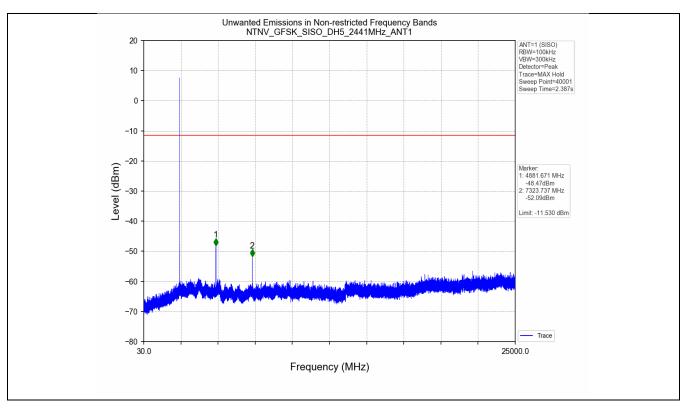






Page: 31 of 41





邮编: 201612

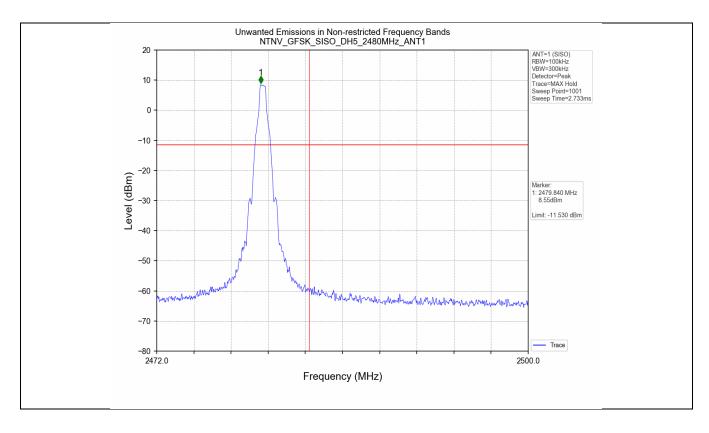
NO.588 West Jindu Road, Songjiang District, Shanghai, China 201612

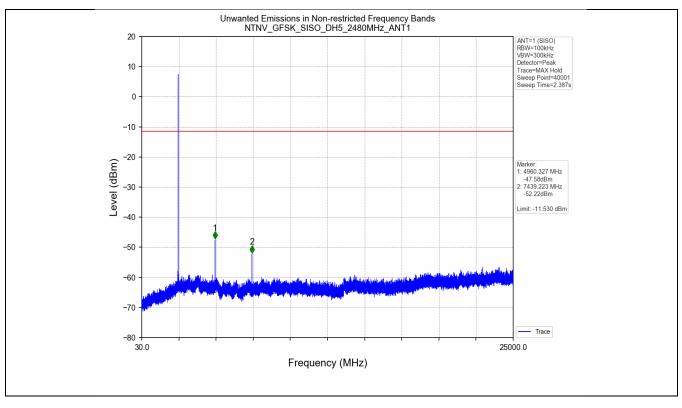
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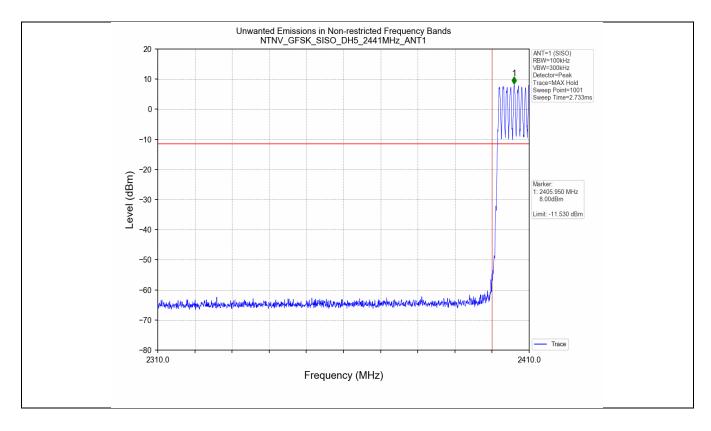
Page: 32 of 41

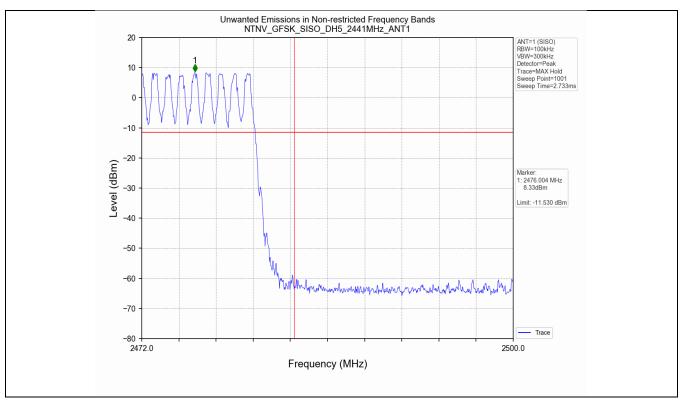






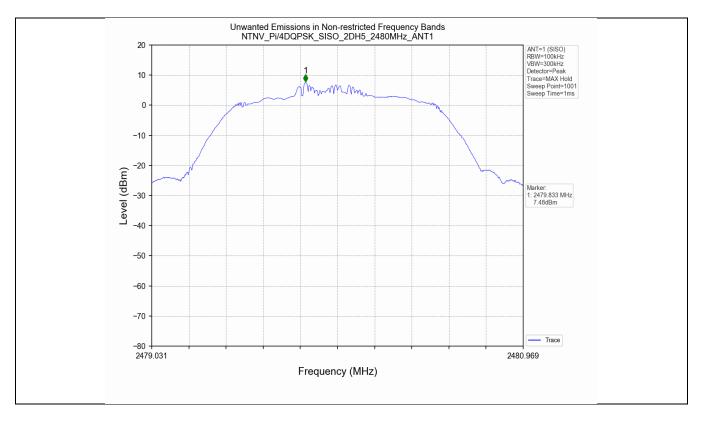
Page: 33 of 41

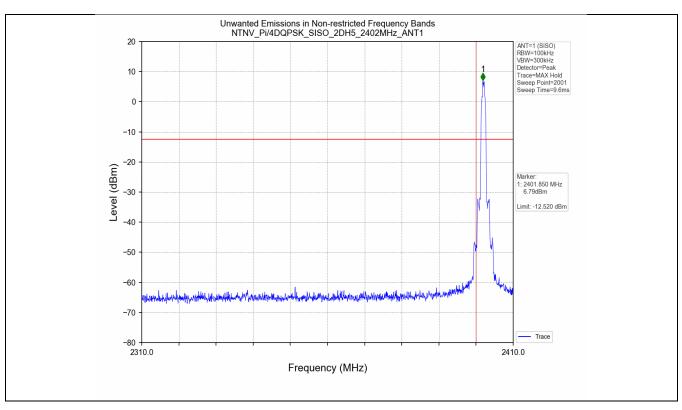






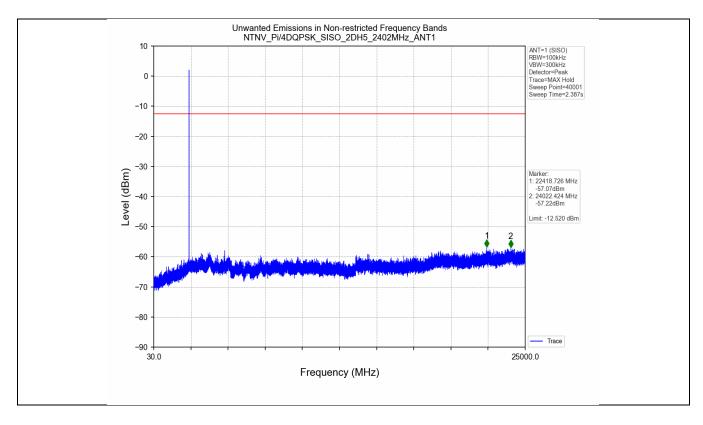
Page: 34 of 41

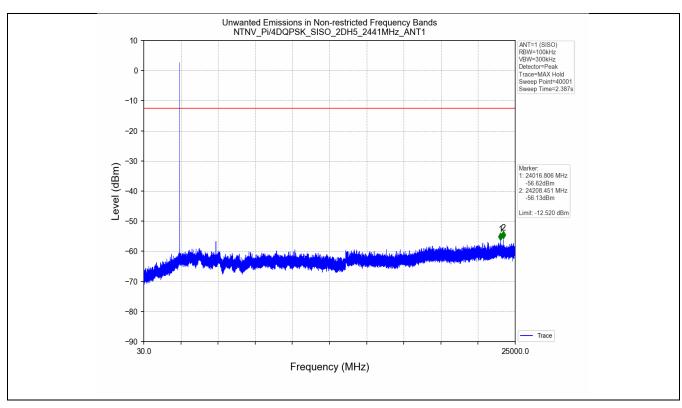






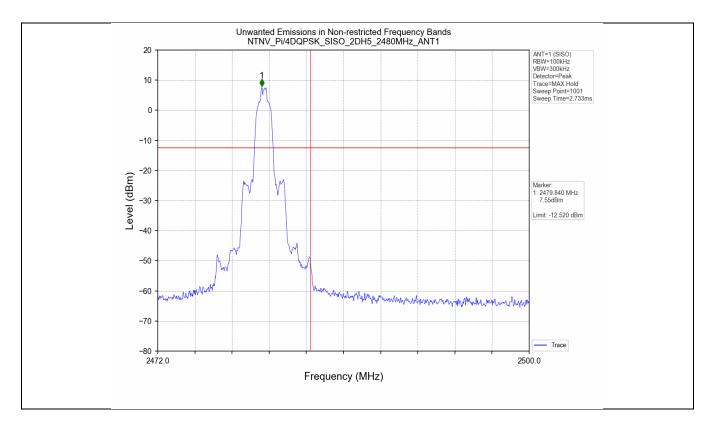
Page: 35 of 41

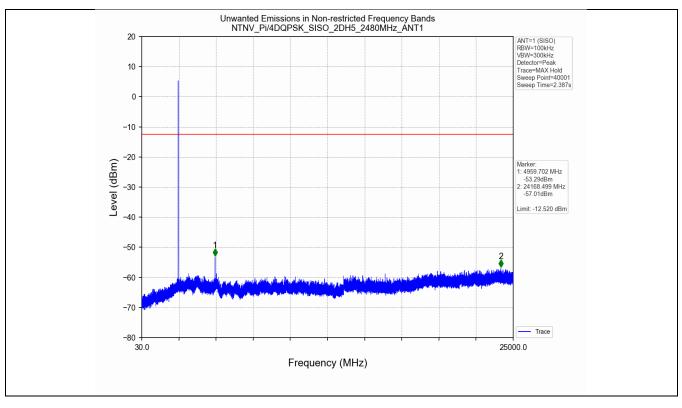






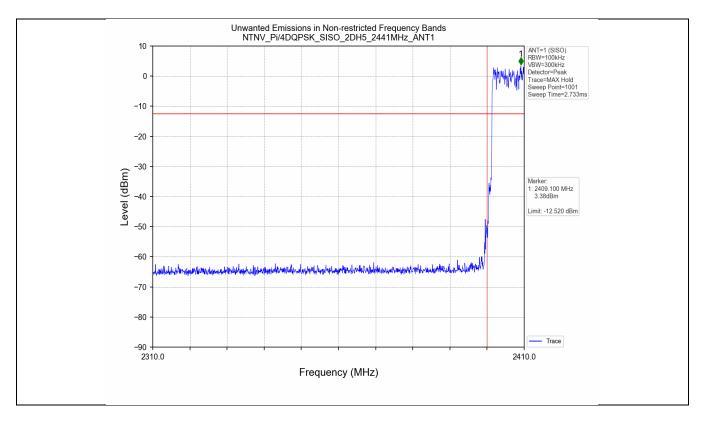
Page: 36 of 41

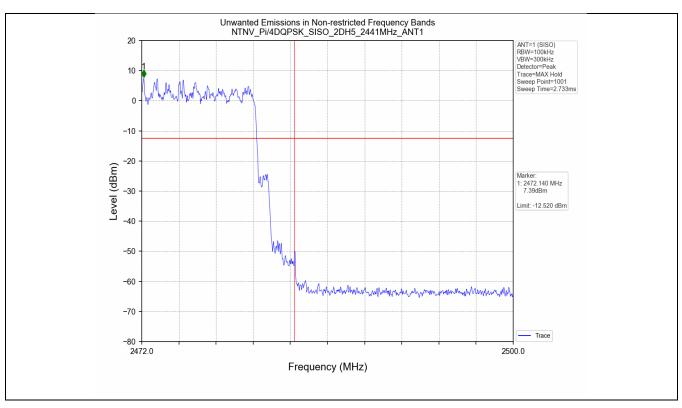






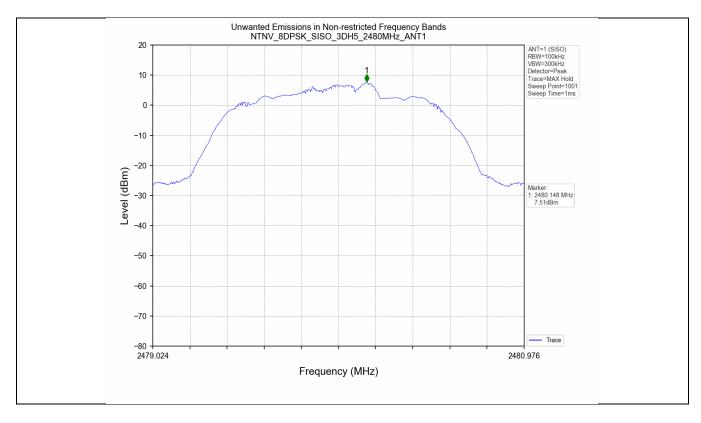
Page: 37 of 41

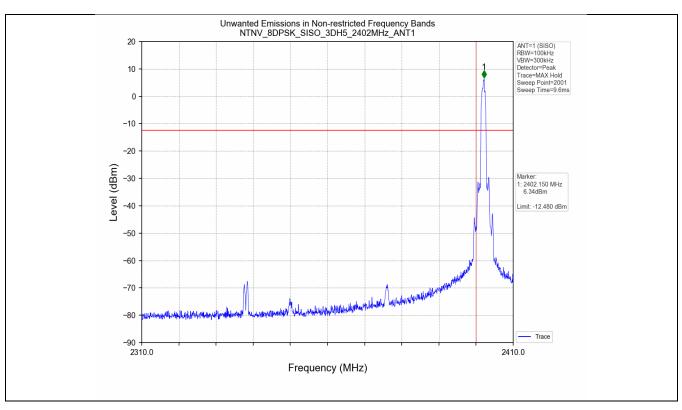






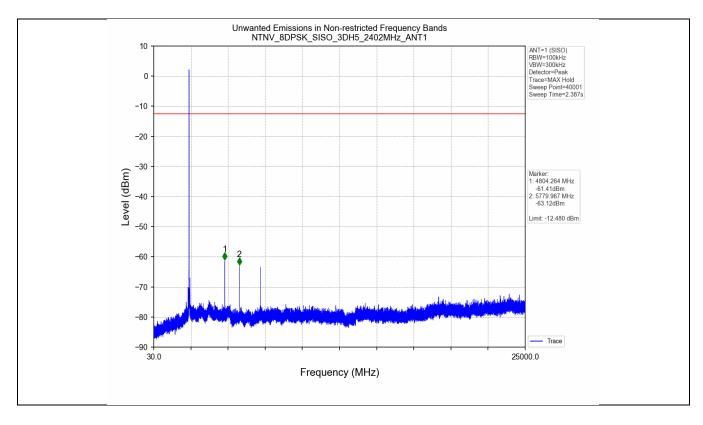
Page: 38 of 41

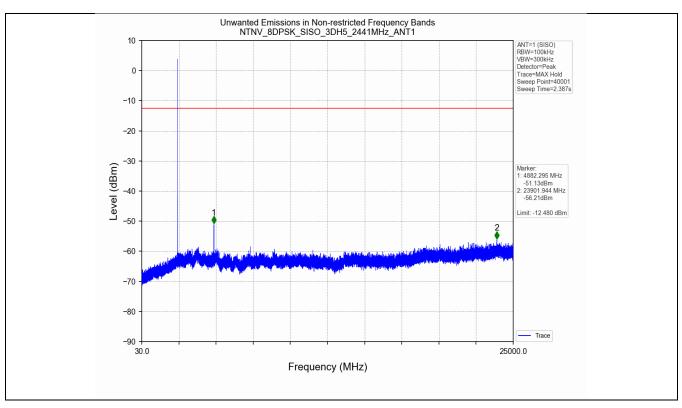






Page: 39 of 41





邮编: 201612

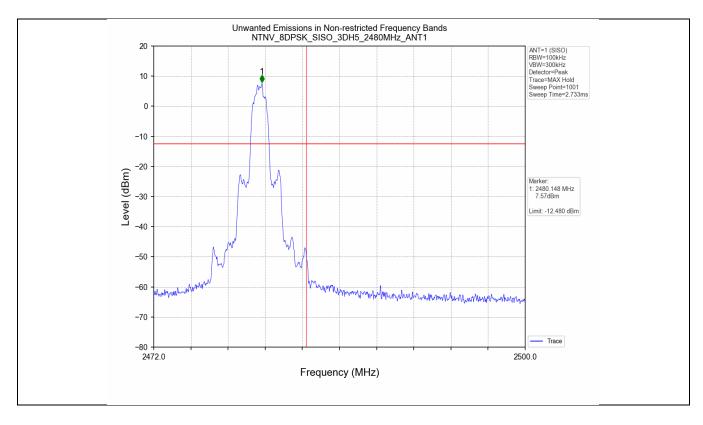
NO.588 West Jindu Road, Songjiang District, Shanghai, China 201612

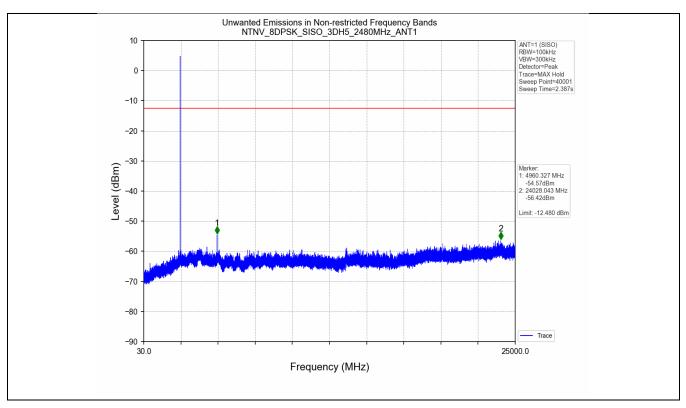
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Page: 40 of 41





Page: 41 of 41

