

Page: 1 of 41

Appendix for SHEM21020015601_Right_BT

1. Bandwidth

1.1 Test Result

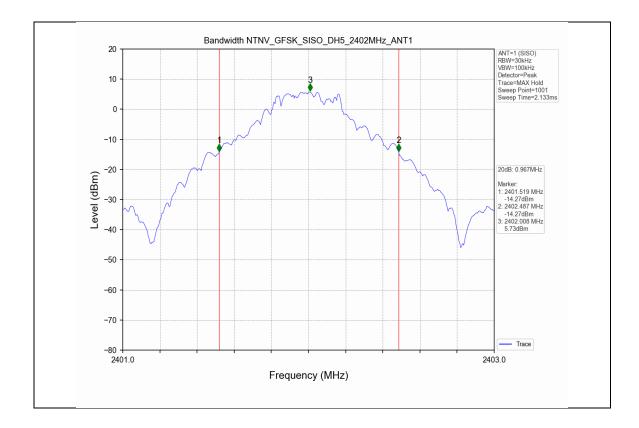
Test Mode	Frequency (MHz)	ТХ Туре	ANT No.	20dB Bandwidth	Verdict
	2402	SISO	1	· · · · · ·	PASS
	-		1		
GFSK	2441	SISO	1	1.015	PASS
	2480	SISO	1	0.965	PASS
	2402	SISO	1	1.288	PASS
Pi/4DQPSK	2441	SISO	1	1.291	PASS
	2480	SISO	1	1.292	PASS
	2402	SISO	1	1.310	PASS
8DPSK	2441	SISO	1	1.288	PASS
	2480	SISO	Type ANT No. Test Result (MHz) SO 1 0.967 SO 1 1.015 SO 1 0.965 SO 1 1.288 SO 1 1.291 SO 1 1.310 SO 1 1.288	PASS	

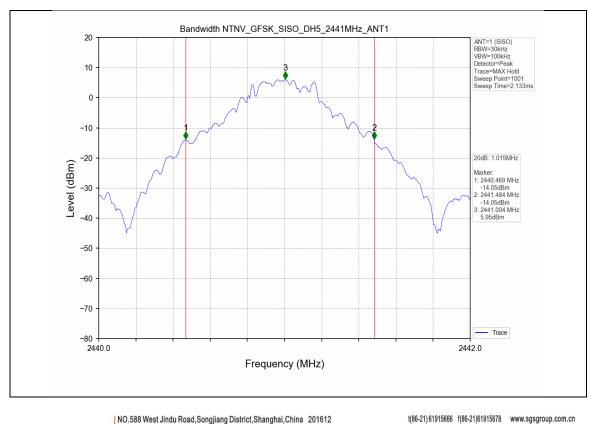
Test Mode	Frequency	ТХ Туре	ANT No.	99% Occupied Bandwidth		
Test Mode	(MHz)			Test Res	sult (MHz)	
	2402	SISO	1	0.887	Only for Report Use	
GFSK	2441	SISO	1	0.880	Only for Report Use	
	2480	SISO	1	0.890	Only for Report Use	
	2402	SISO	1	1.166	Only for Report Use	
Pi/4DQPSK	2441	SISO	1	1.173	Only for Report Use	
	2480	SISO	1	0.880 0.890 1.166	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



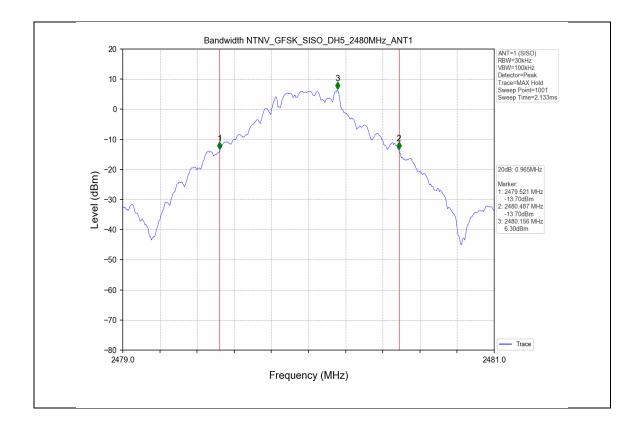


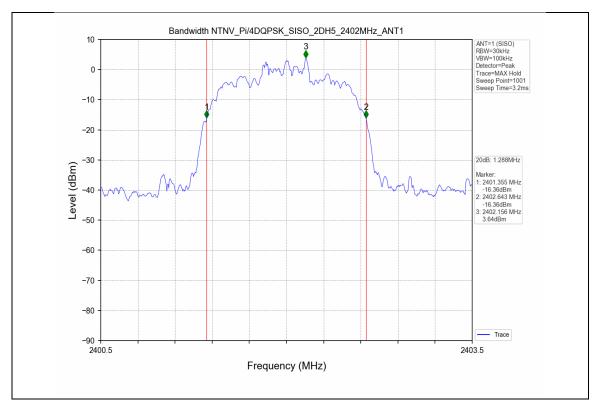
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Page: 3 of 41

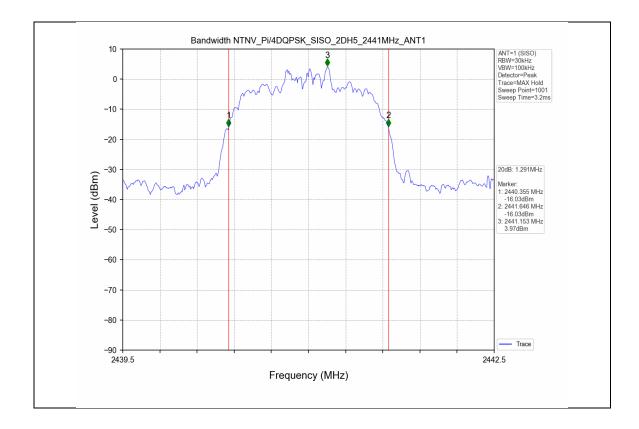


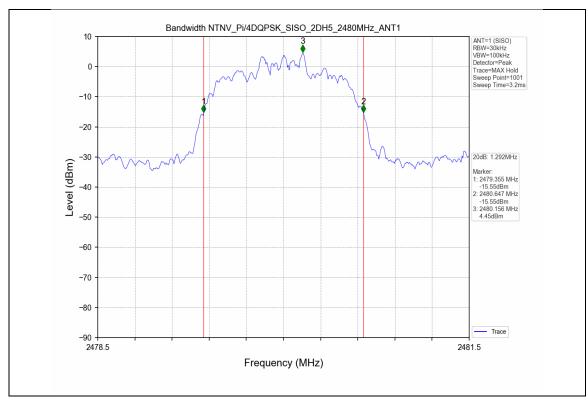


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Page: 4 of 41

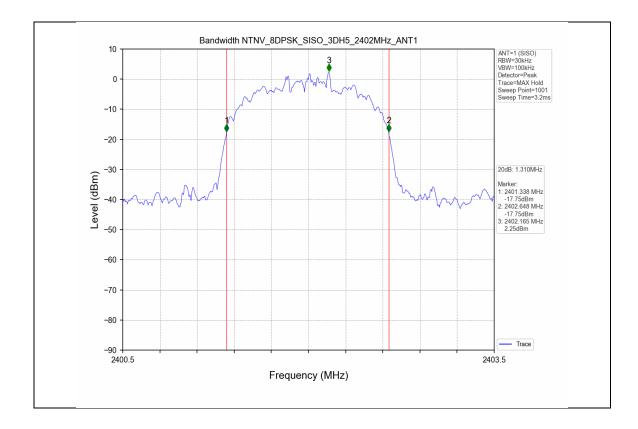


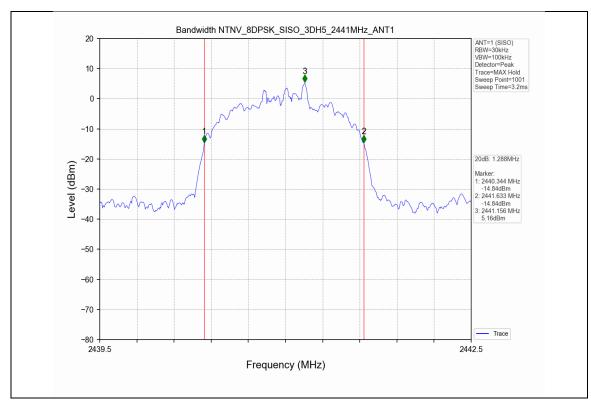


NO.588 West Jindu Road,Songjiang District,Shanghai,China 201612 中国・上海・松江区金都西路588号 邮编: 201612



Page: 5 of 41

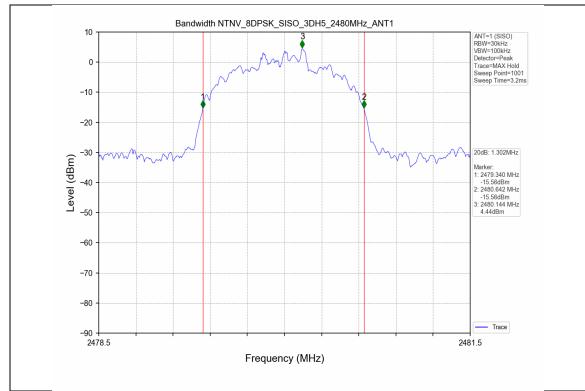




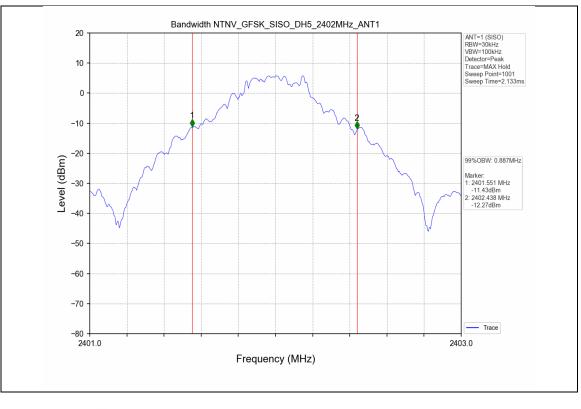
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Page: 6 of 41



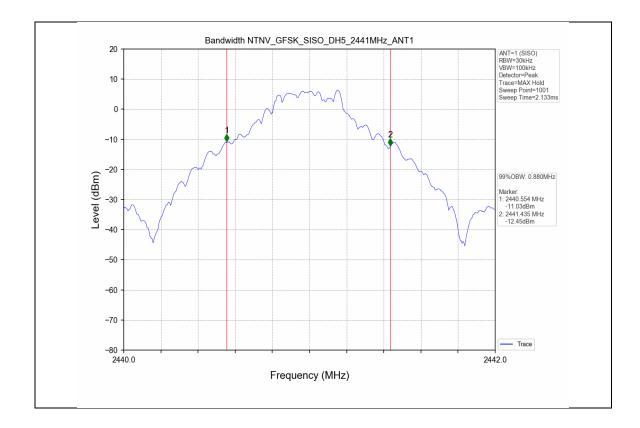
1.3 Test Graph - 99% Occupied Bandwidth

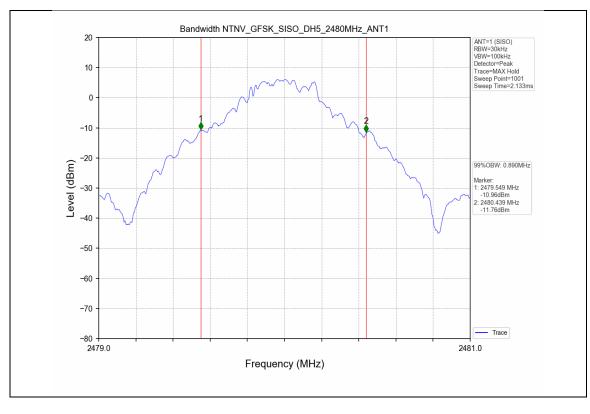


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Page: 7 of 41

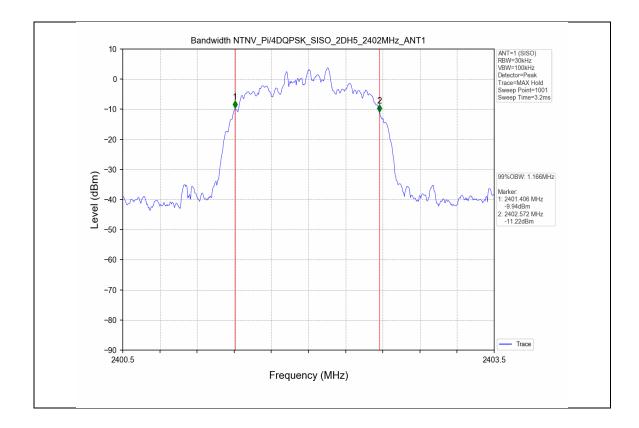


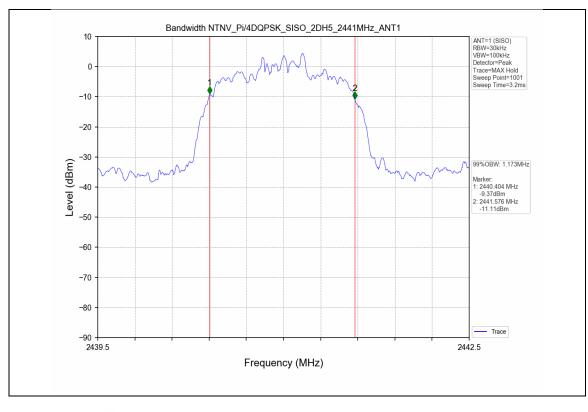


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Page: 8 of 41

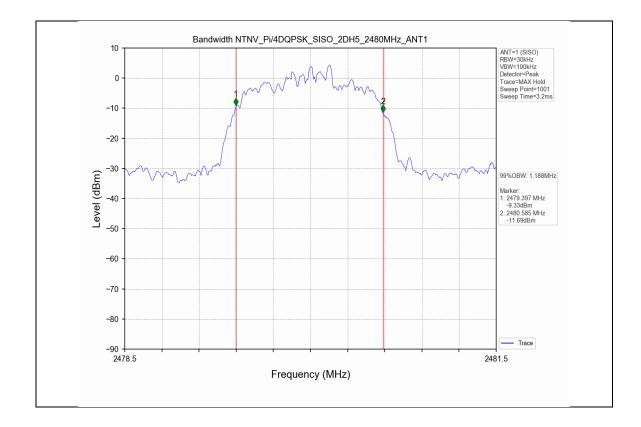


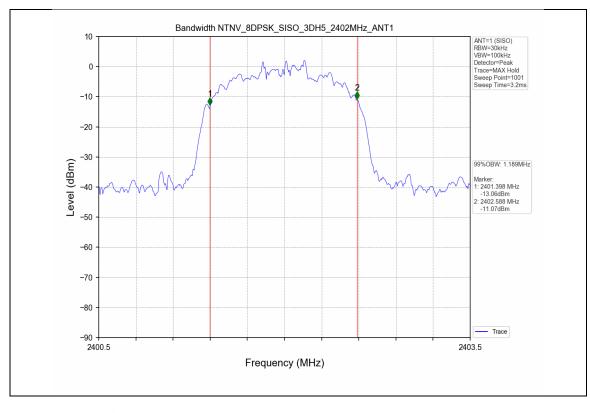


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Page: 9 of 41

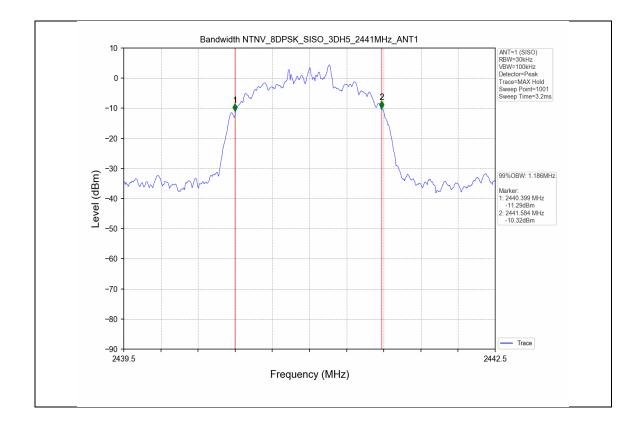


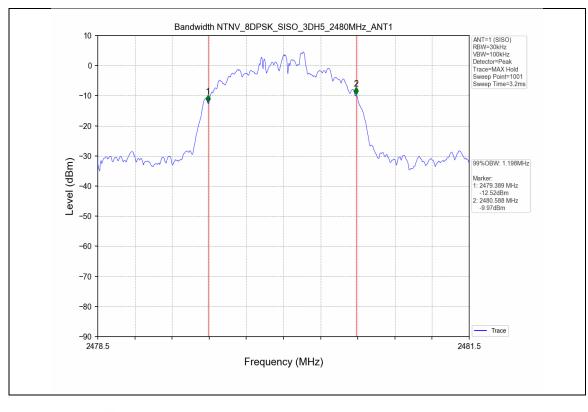


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Page: 10 of 41





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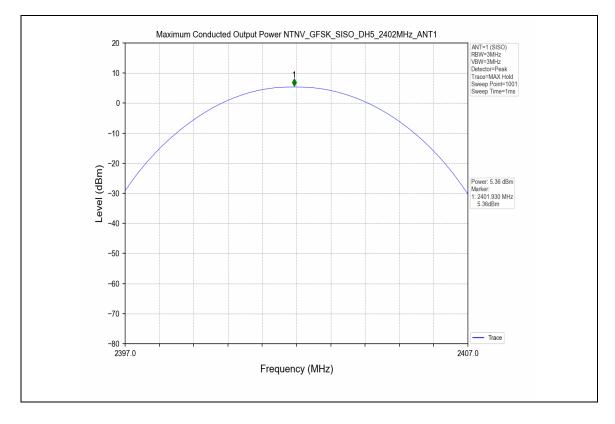
Page: 11 of 41

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
	2402	SISO	5.39	20.97	PASS
8DPSK	2441	SISO	5.72	20.97	PASS
	2480	SISO	5.66	20.97	PASS

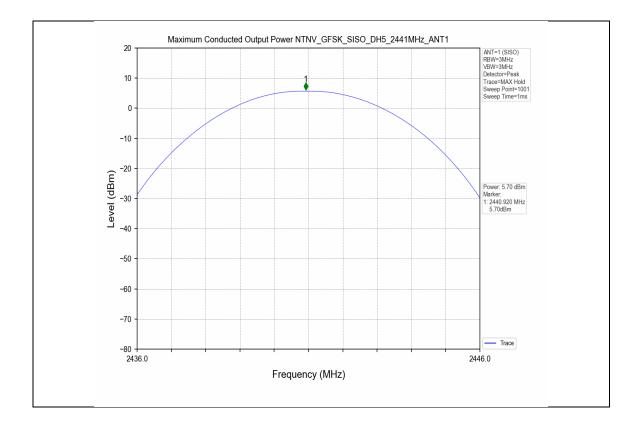
2.2 Test Graph

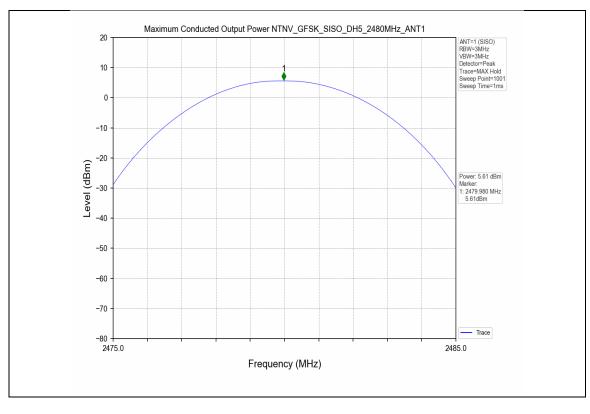




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Page: 12 of 41



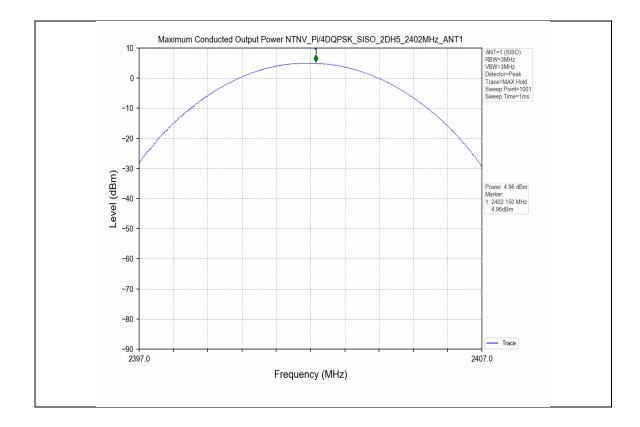


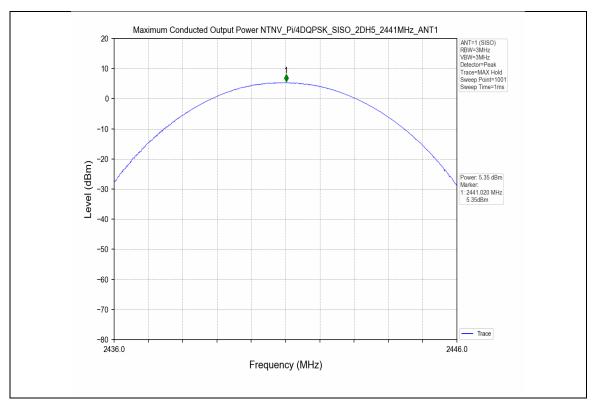
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Page: 13 of 41

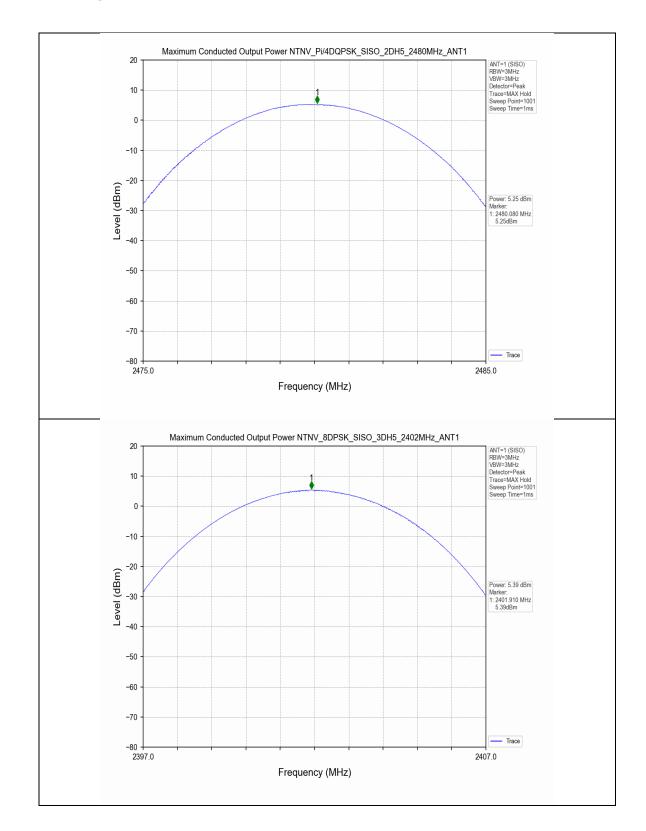




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Page: 14 of 41

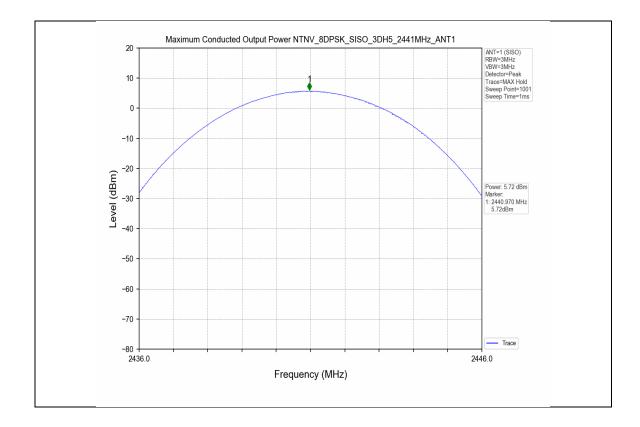


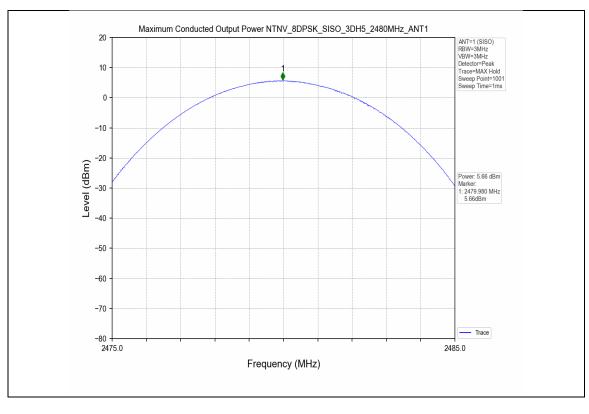
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Page: 15 of 41





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



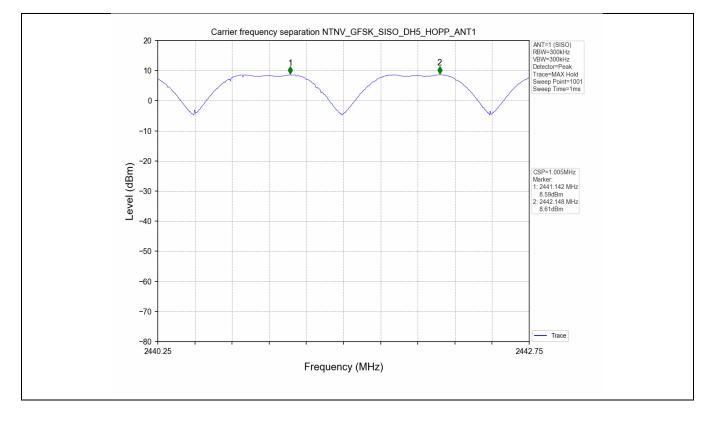
Page: 16 of 41

3. Carrier frequency separation

3.1 Test Result

Test Mode	ТХ Туре	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

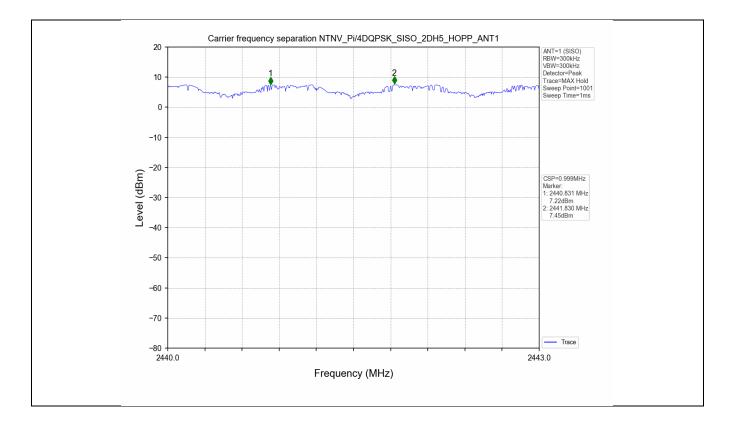
3.2 Test Graph

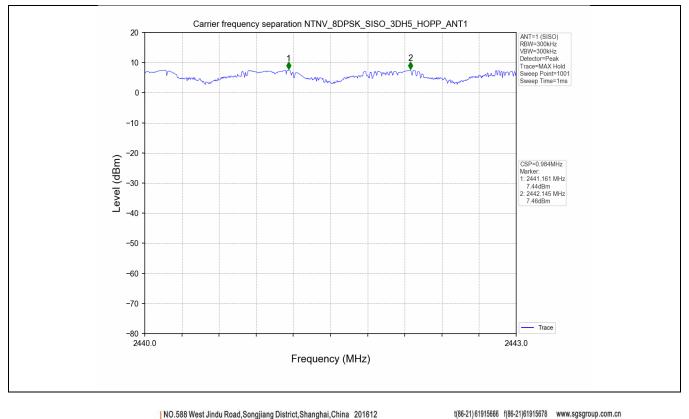




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Page: 17 of 41





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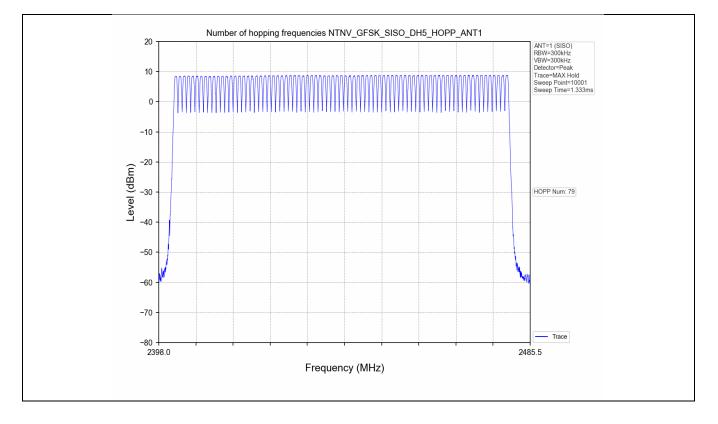
Page: 18 of 41

4. Number of hopping frequencies

4.1 Test Result

Test Mode	ТХ Туре	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

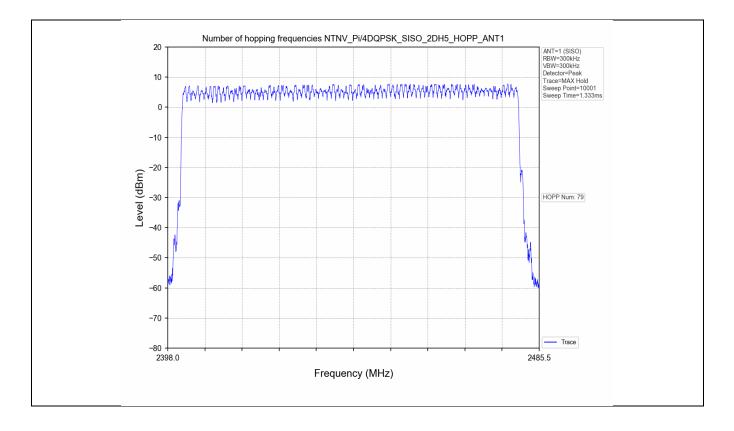
4.2 Test Graph

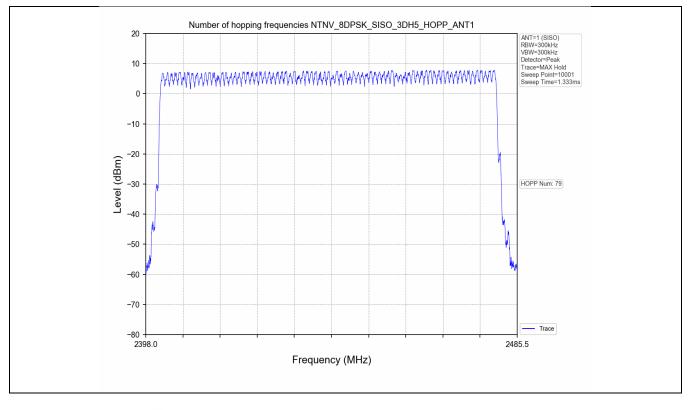




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Page: 19 of 41





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



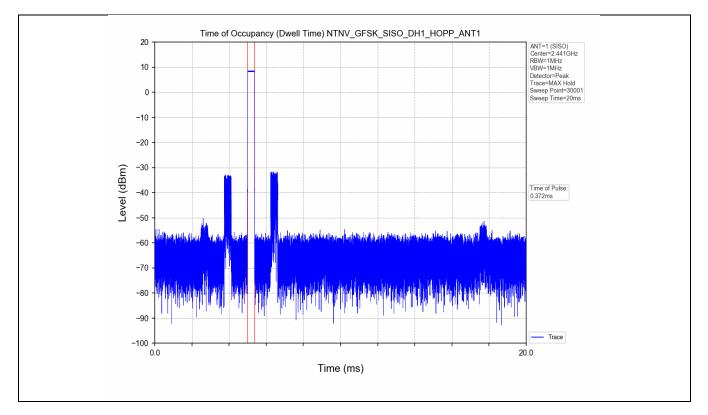
Page: 20 of 41

5. Time of occupancy (dwell time)

5.1 Test Result

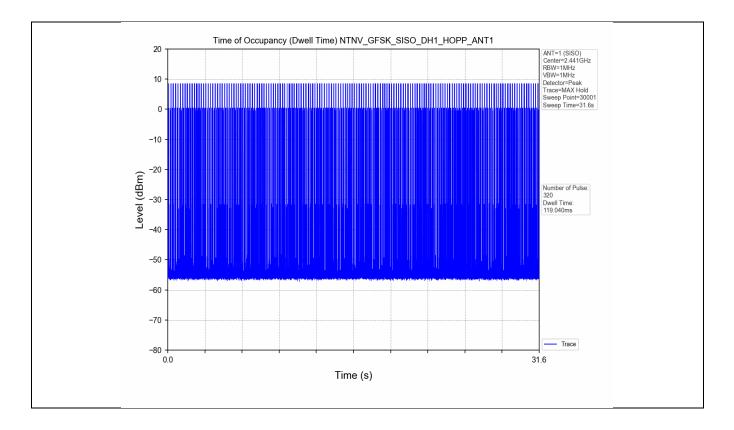
Test Mode	Packet Type	ТХ Туре	ANT No.			Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
	DH1	SISO	1	0.372	31.6	320	119.040	≤400	PASS
GFSK	DH3	SISO	1	1.628	31.6	162	263.736	≤400	PASS
	DH5	SISO	1	2.875	31.6	97	278.875	≤400	PASS
Pi/4DQ	2DH1	SISO	1	0.381	31.6	320	121.920	≤400	PASS
P%4DQ PSK	2DH3	SISO	1	1.633	31.6	161	262.913	≤400	PASS
FOR	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

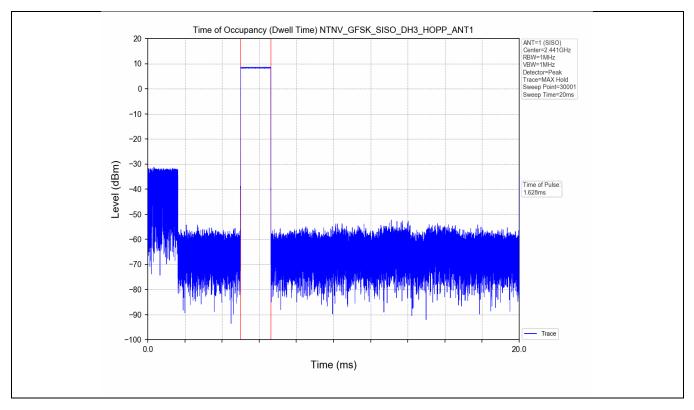
5.2 Test Graph





Page: 21 of 41

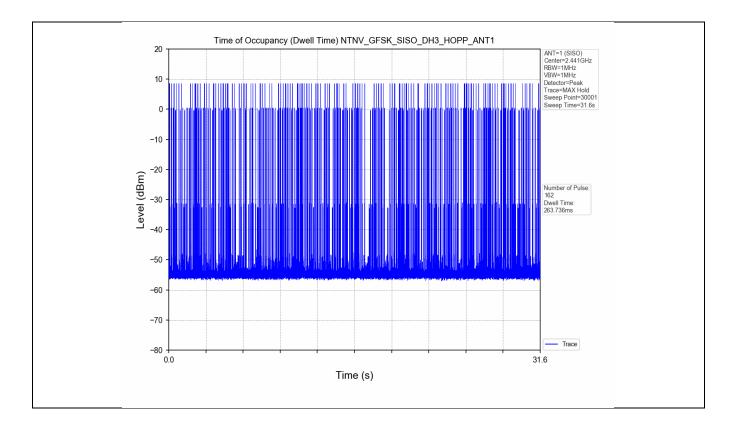


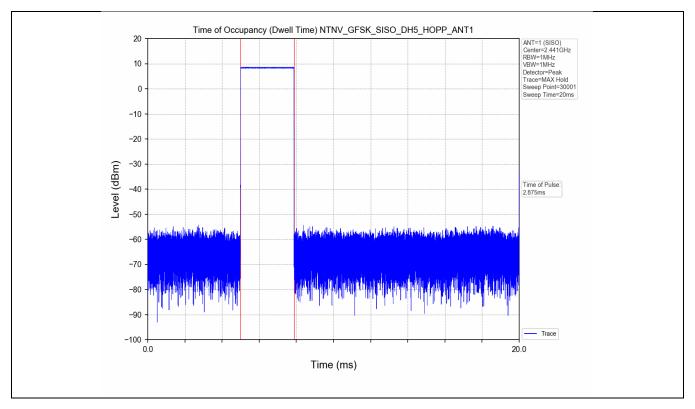


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Page: 22 of 41

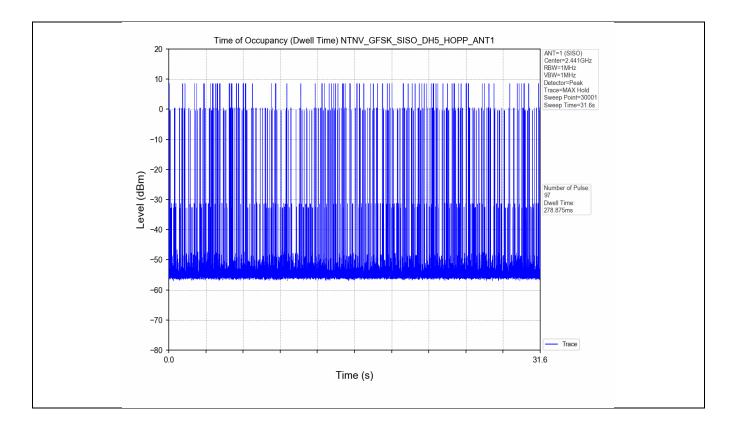


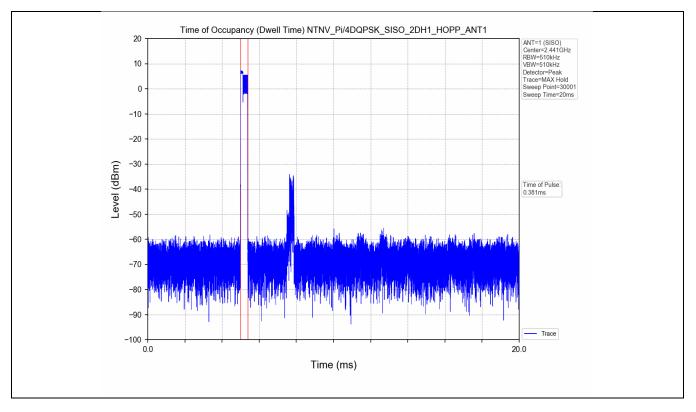


NO.588 West Jindu Road,Songjiang District,Shanghai,China 201612 中国・上海・松江区金都西路588号 邮编: 201612



Page: 23 of 41

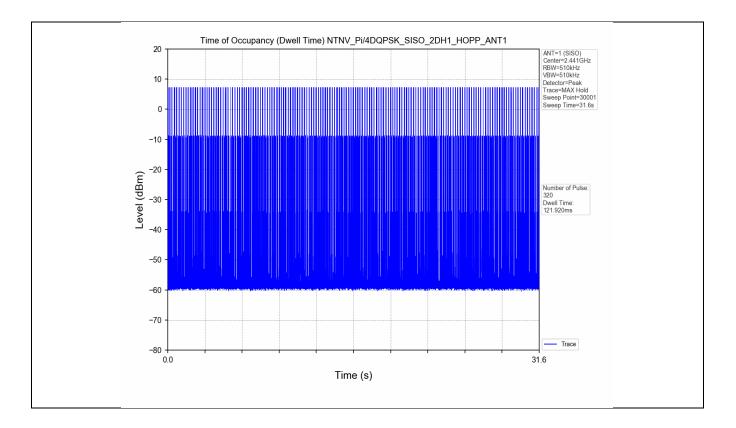


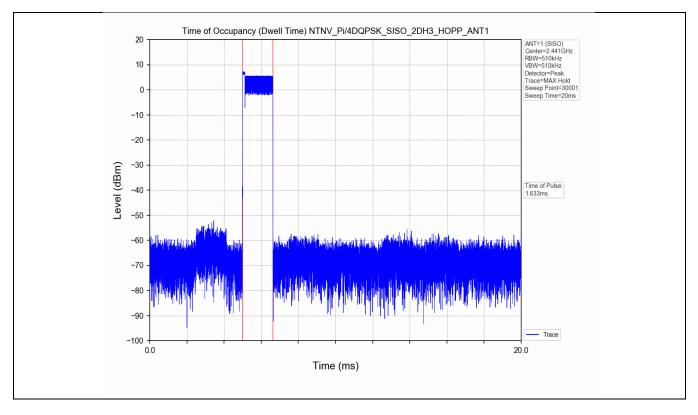


NO.588 West Jindu Road,Songjiang District,Shanghai,China 201612 中国・上海・松江区金都西路588号 邮编: 201612



Page: 24 of 41

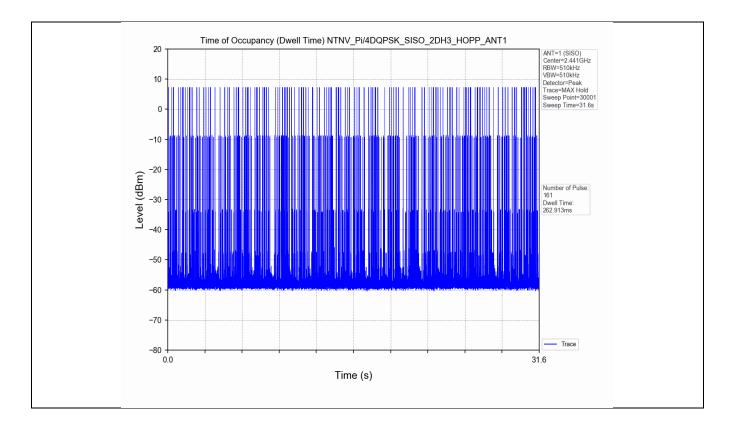


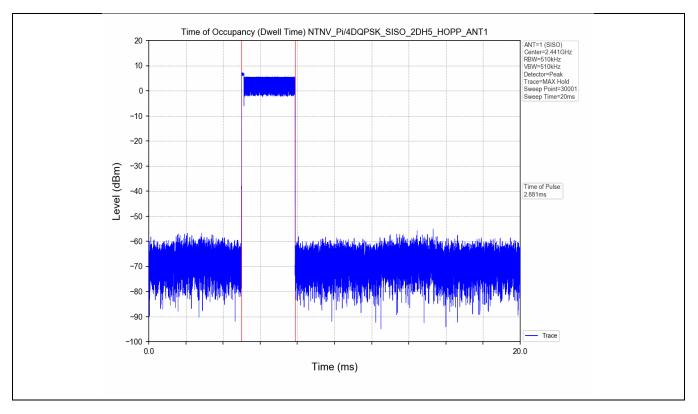


NO.588 West Jindu Road,Songjiang District,Shanghai,China 201612 中国・上海・松江区金都西路588号 邮编: 201612



Page: 25 of 41

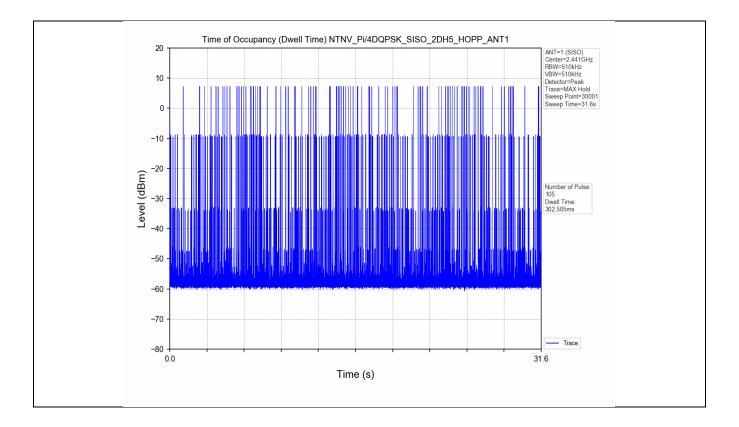


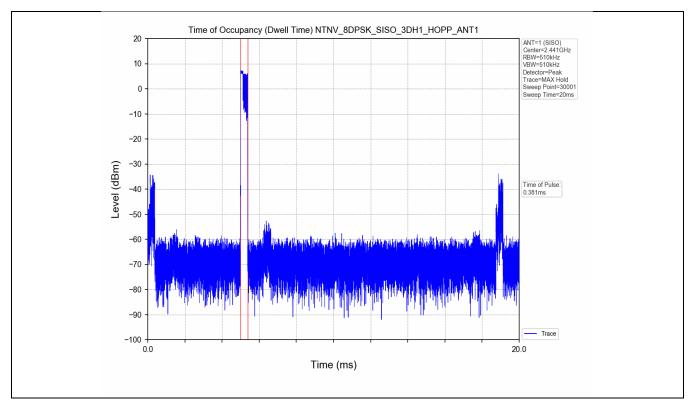


NO.588 West Jindu Road,Songjiang District,Shanghai,China 201612 中国・上海・松江区金都西路588号 邮编: 201612



Page: 26 of 41

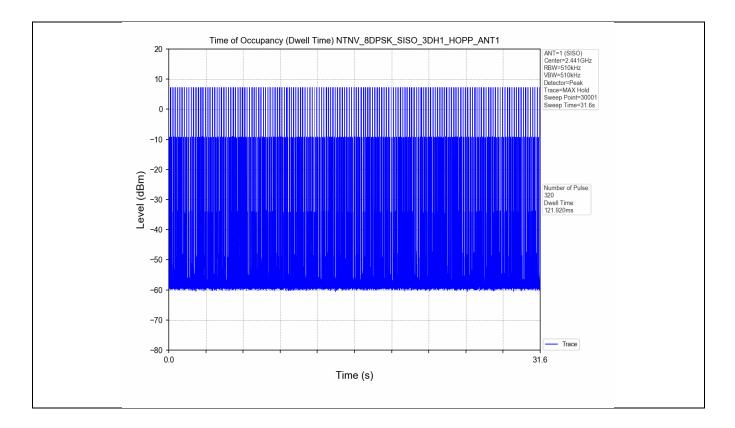


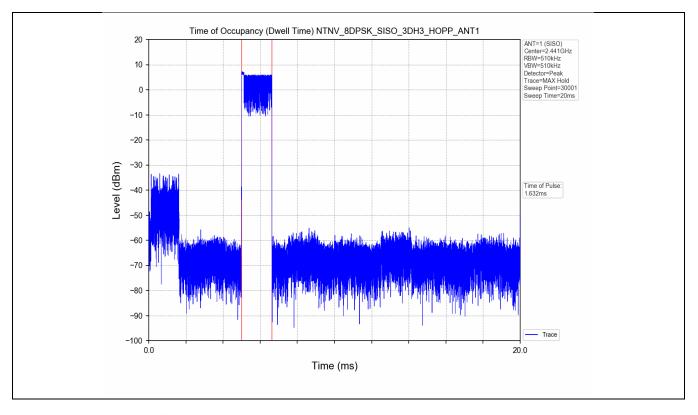


NO.588 West Jindu Road,Songjiang District,Shanghai,China 201612 中国・上海・松江区金都西路588号 邮编: 201612



Page: 27 of 41

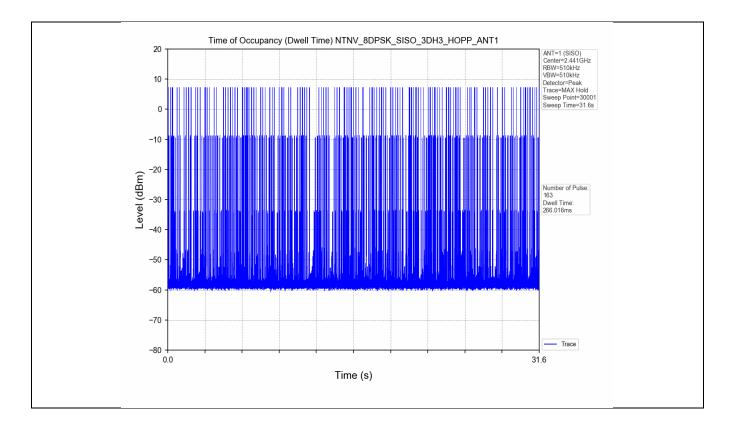


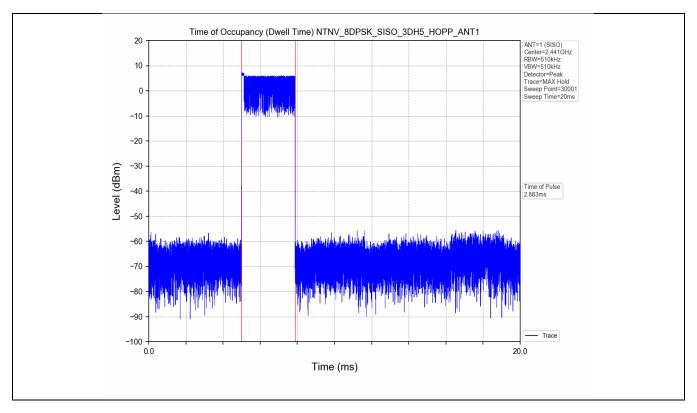


NO.588 West Jindu Road,Songjiang District,Shanghai,China 201612 中国・上海・松江区金都西路588号 邮编: 201612



Page: 28 of 41

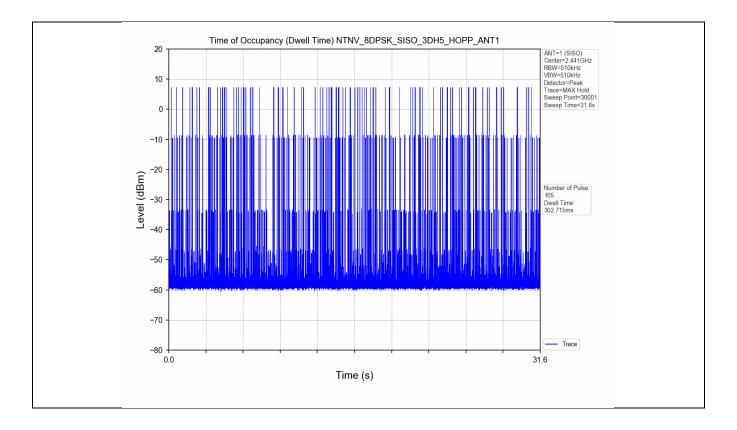




NO.588 West Jindu Road,Songjiang District,Shanghai,China 201612 中国・上海・松江区金都西路588号 邮编: 201612



Page: 29 of 41



6. Unwanted Emissions in Non-restricted Frequency Bands

6.1 Test Result

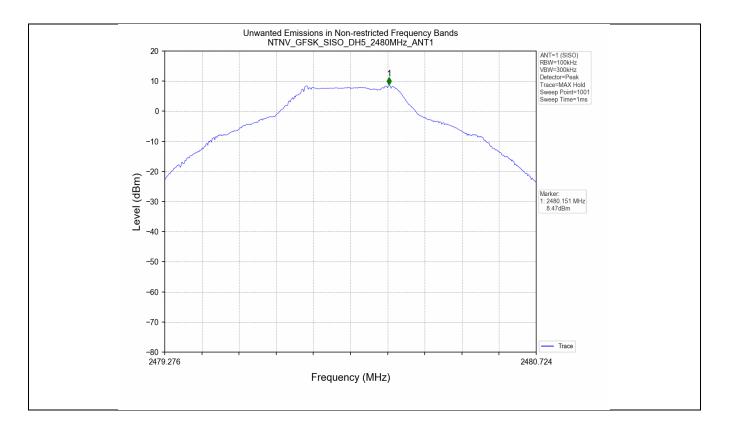
Test Mode	Frequency (MHz)	ТХ Туре	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
	2402	SISO	1	Refer to test graph	-11.53	PASS
GFSK	2441	SISO	1	Refer to test graph	-11.53	PASS
GFSK	2480	SISO	1	Refer to test graph	-11.53	PASS
	Hopping	SISO	1	Refer to test graph	n (dBm)Limits (dBm)Vertest graph-11.53PAtest graph-11.53PAtest graph-11.53PAtest graph-12.52PAtest graph-12.52PAtest graph-12.52PAtest graph-12.52PAtest graph-12.52PAtest graph-12.48PAtest graph-12.48PA	PASS
	2402	SISO	1	Refer to test graph	-12.52	PASS
	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	D.Emission (dBm)Limits (dBm)Refer to test graph-11.53Refer to test graph-11.53Refer to test graph-11.53Refer to test graph-11.53Refer to test graph-12.52Refer to test graph-12.48Refer to test graph-12.48	PASS	
	2402	SISO	1	Refer to test graph	-12.48	PASS
00001/	2441	SISO	1	Refer to test graph	-12.48	PASS
8DPSK	2480	SISO	1	Refer to test graph	-12.48	PASS
	Hopping	SISO	1	Refer to test graph	-12.48	PASS

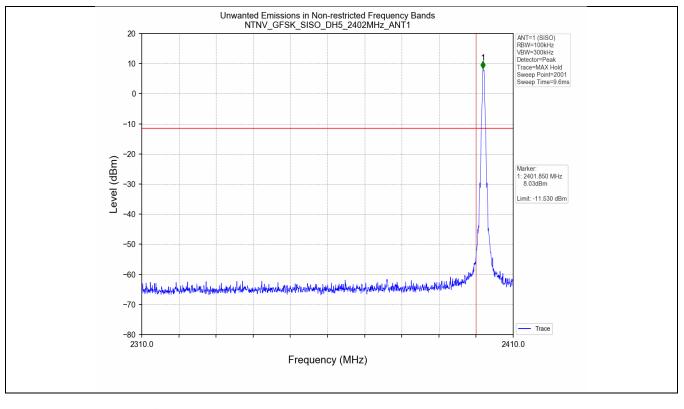
6.2 Test Graph



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Page: 30 of 41

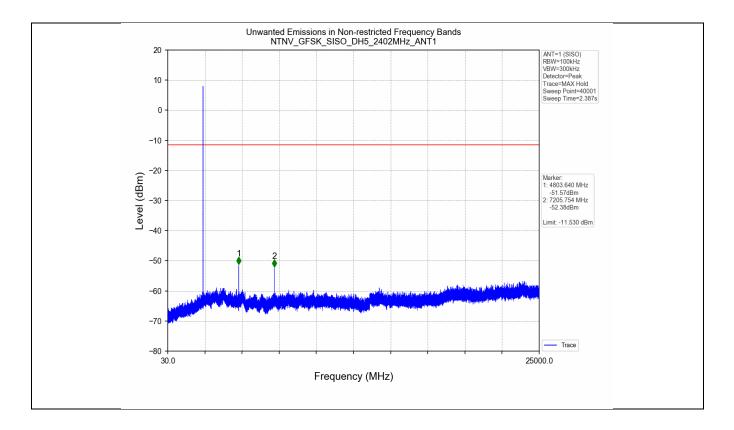


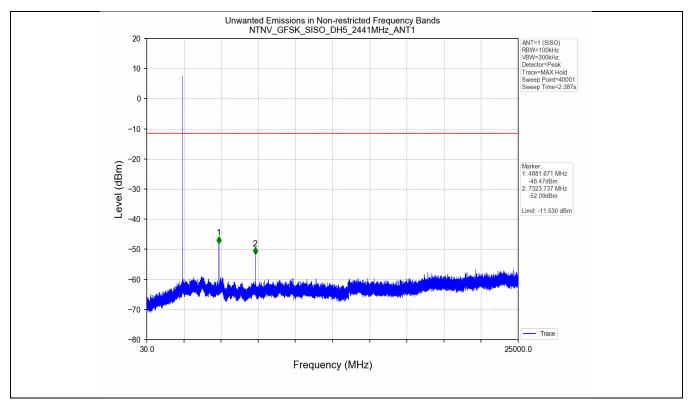


NO.588 West Jindu Road,Songjiang District,Shanghai,China 201612 中国・上海 ・ 松江区金都西路588号 邮编: 201612



Page: 31 of 41

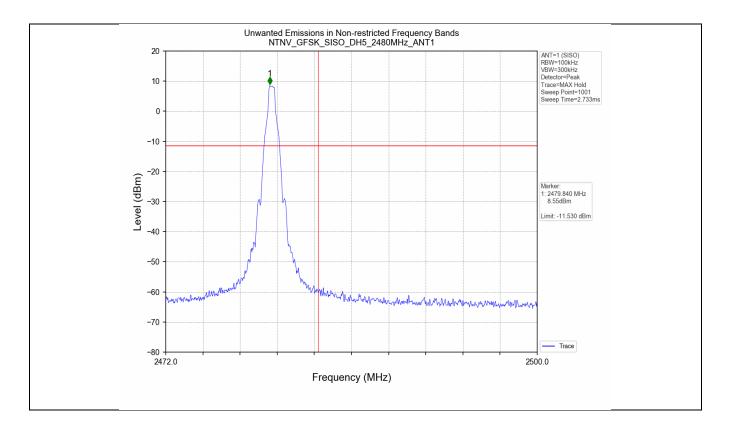


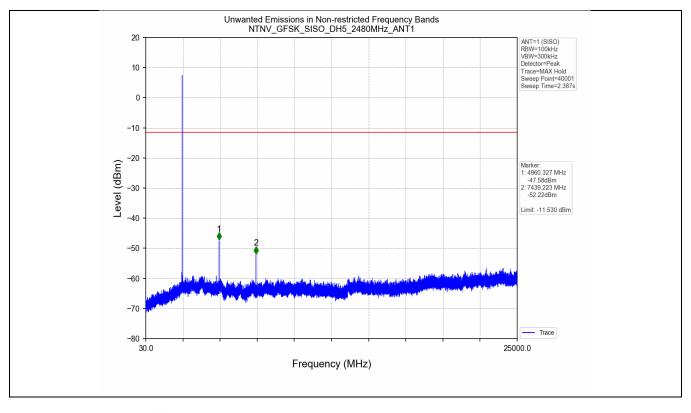


NO.588 West Jindu Road,Songjiang District,Shanghai,China 201612 中国・上海 ・ 松江区金都西路588号 邮编: 201612



Page: 32 of 41

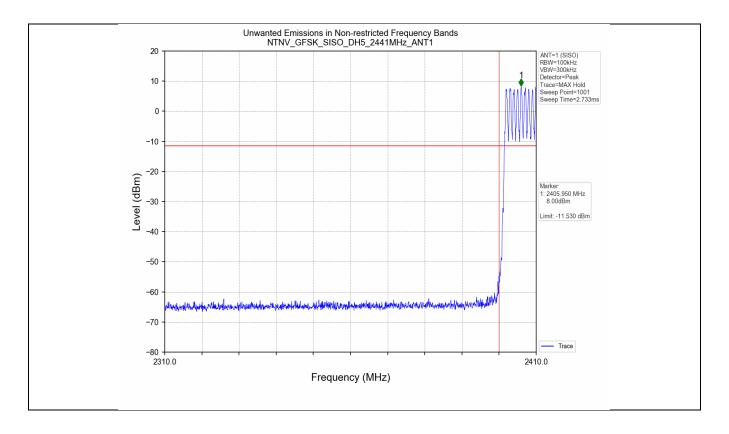


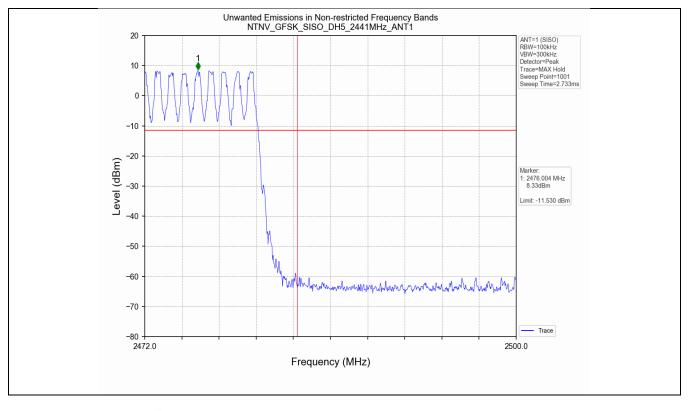


NO.588 West Jindu Road,Songjiang District,Shanghai,China 201612 中国・上海 ・ 松江区金都西路588号 邮编: 201612



Page: 33 of 41



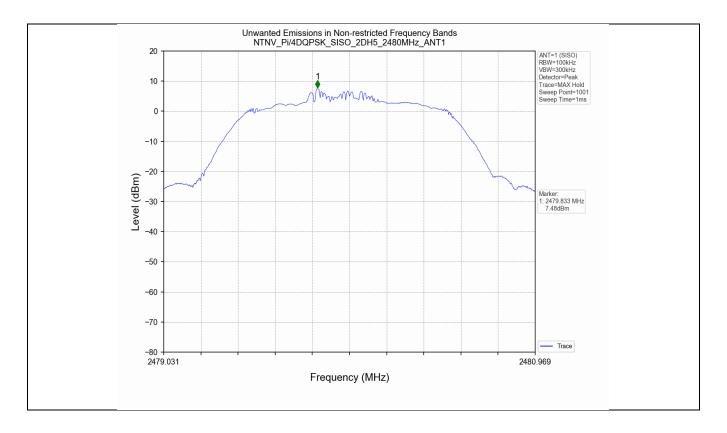


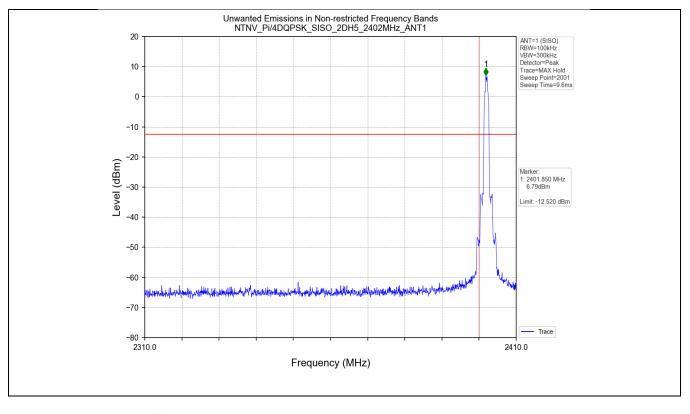
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Page: 34 of 41

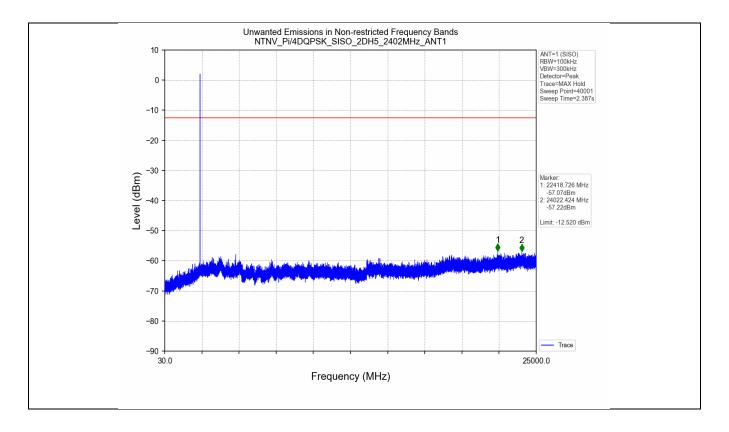


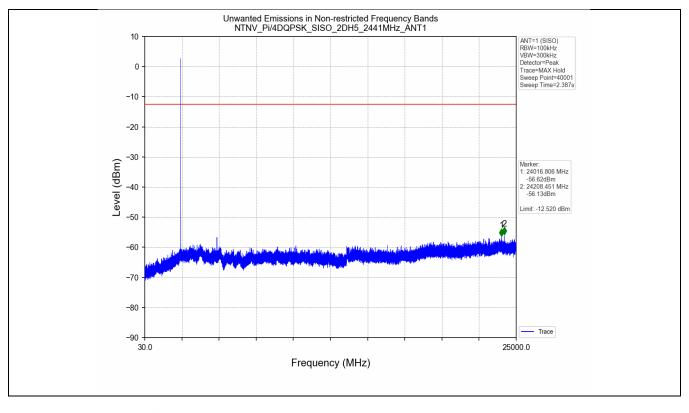


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Page: 35 of 41

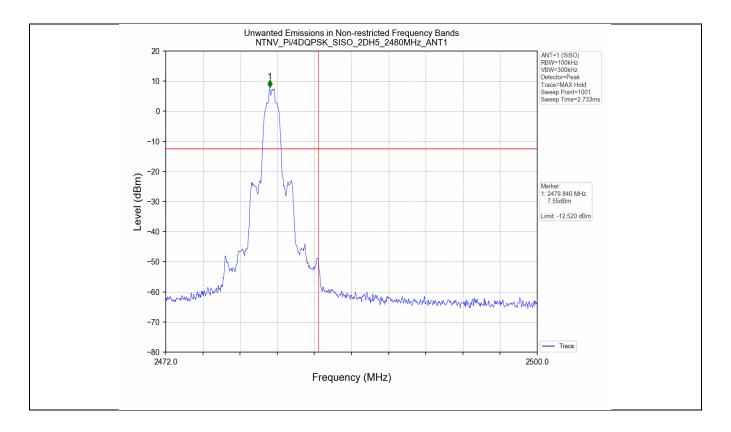


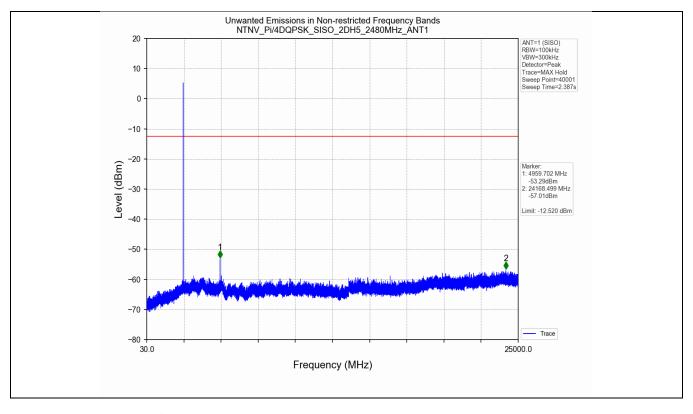


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Page: 36 of 41





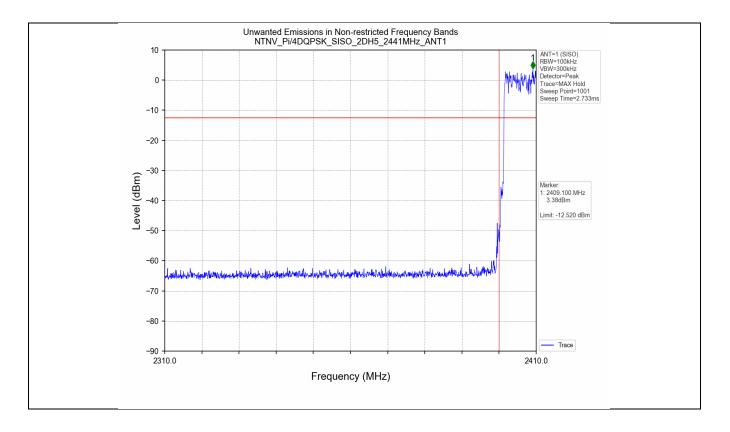
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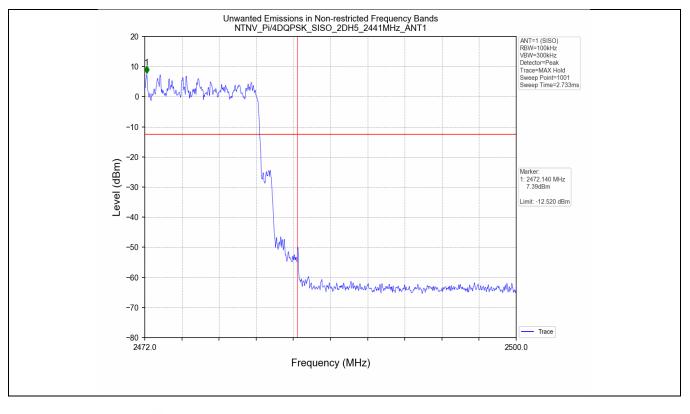
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Page: 37 of 41



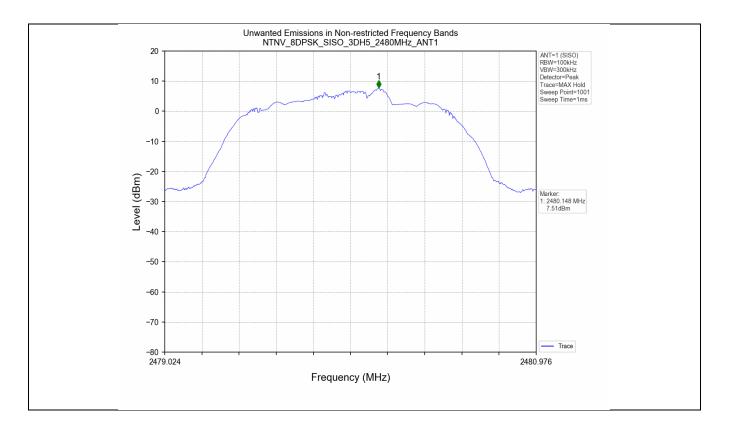


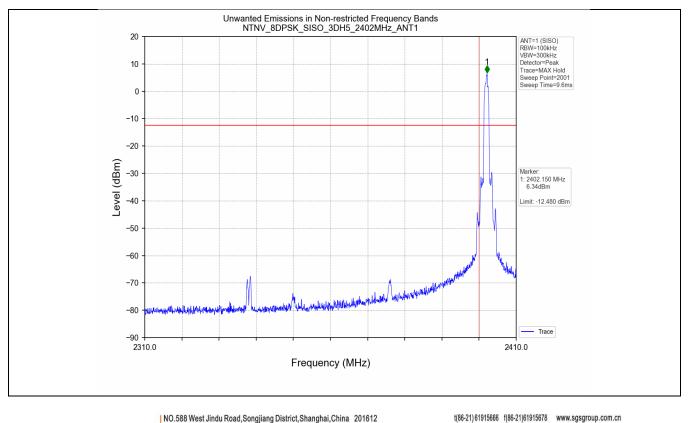
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SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Page: 38 of 41

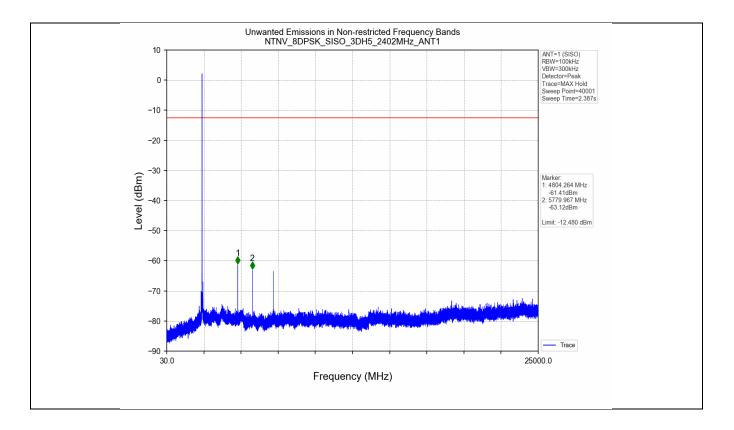


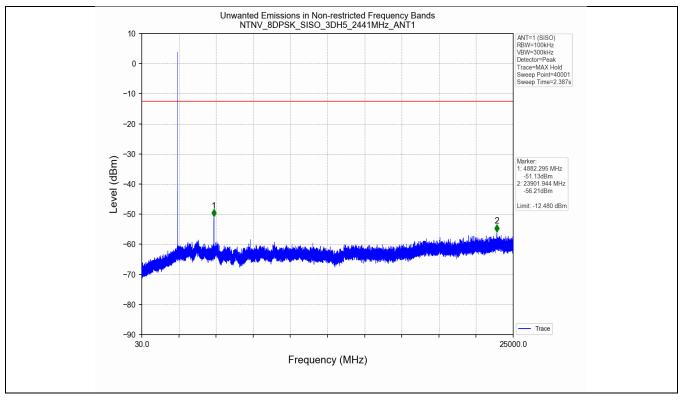


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Page: 39 of 41

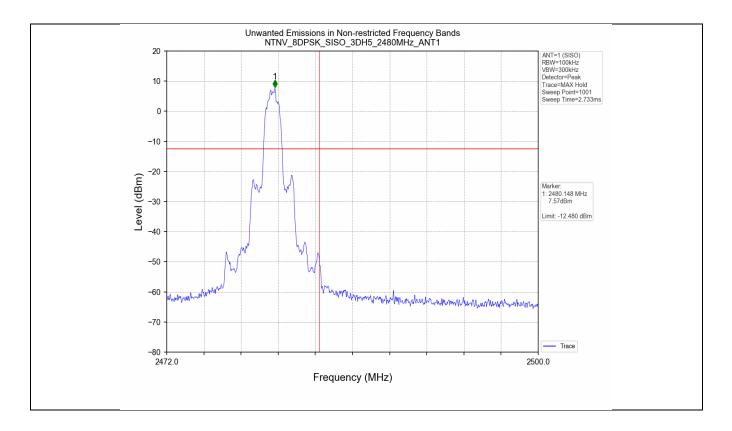


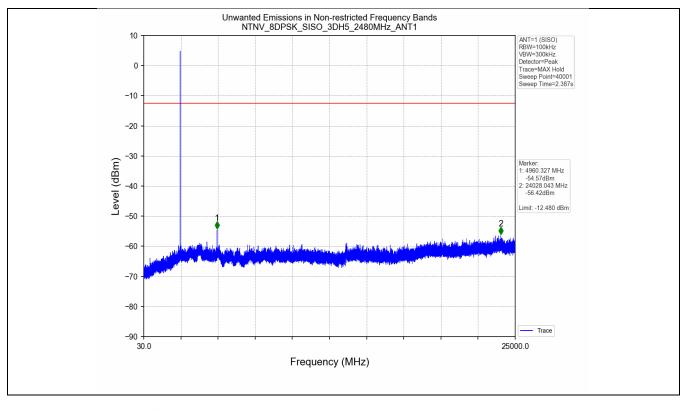


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Page: 40 of 41



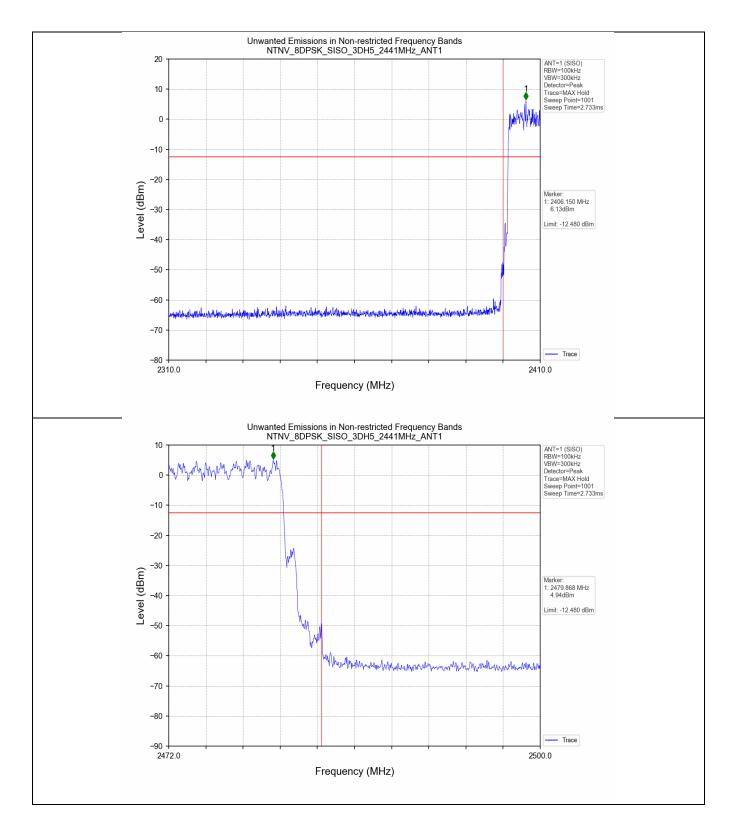


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Page: 41 of 41



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