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# 11 Appendix

#### Appendix for 15.247

#### 1. Duty Cycle

#### 1.1 Test Result

Test Mode	Channel Frequency (MHz)	ТХ Туре	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
	2412	SISO	1	12.230	12.280	99.59	0.02
802.11b	2437	SISO	1	12.230	12.280	99.59	0.02
	2462	SISO	1	12.230	12.280	99.59	0.02
	2412	SISO	1	2.022	2.073	97.54	0.11
802.11g	2437	SISO	1	2.022	2.075	97.45	0.11
	2462	SISO	1	2.024	2.075	97.54	0.11
802.11n(HT20)	2412	SISO	1	1.888	1.938	97.42	0.11
	2437	SISO	1	1.886	1.938	97.32	0.12
	2462	SISO	1	1.886	1.938	97.32	0.12
802.11n(HT40)	2422	SISO	1	0.927	0.966	95.96	0.18
	2437	SISO	1	0.927	0.966	95.96	0.18
	2452	SISO	1	0.927	0.966	95.96	0.18



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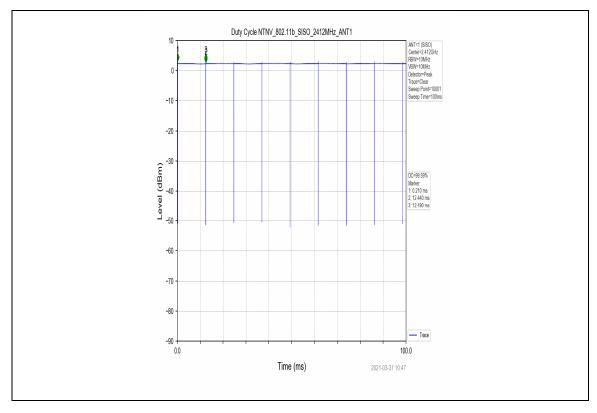
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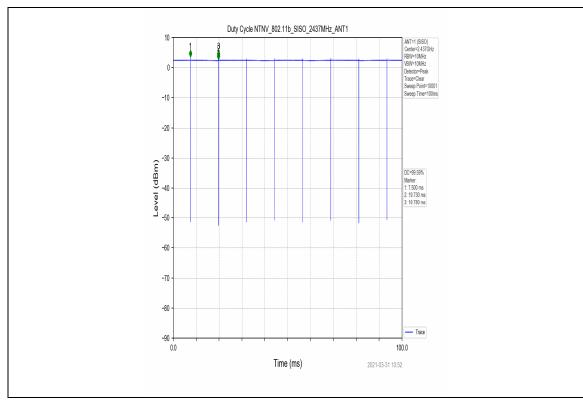


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#### 1.2 Test Graph







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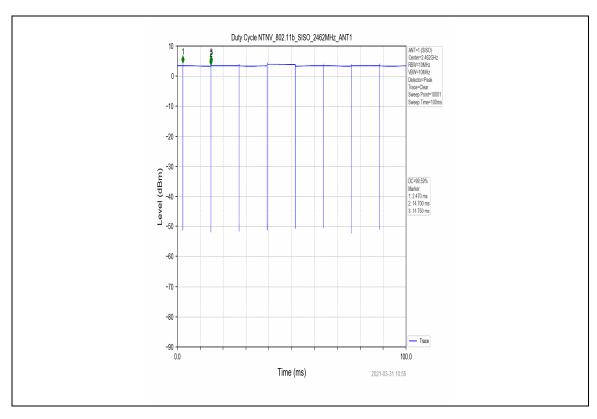
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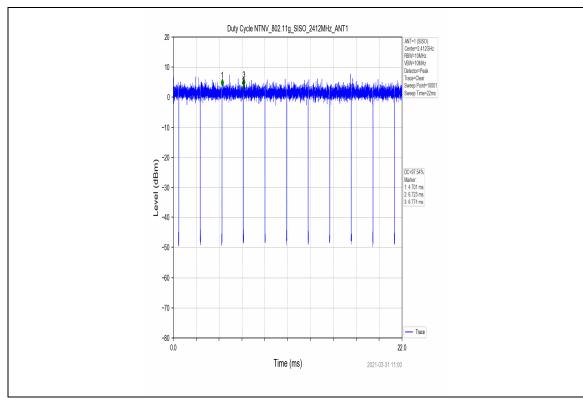
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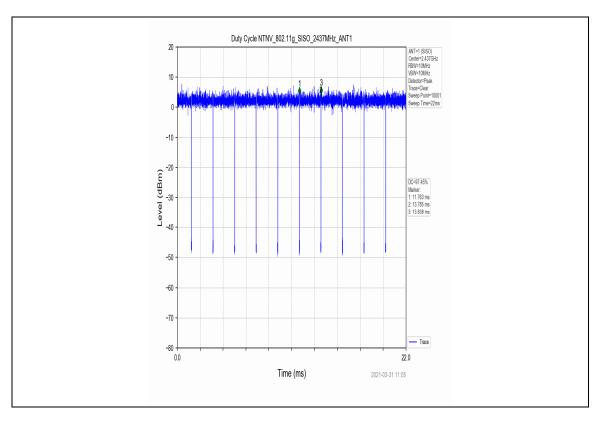
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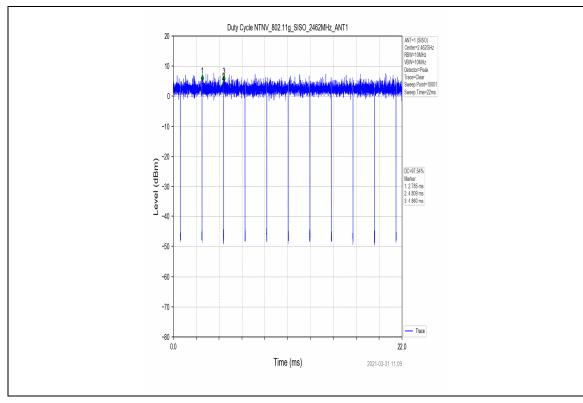
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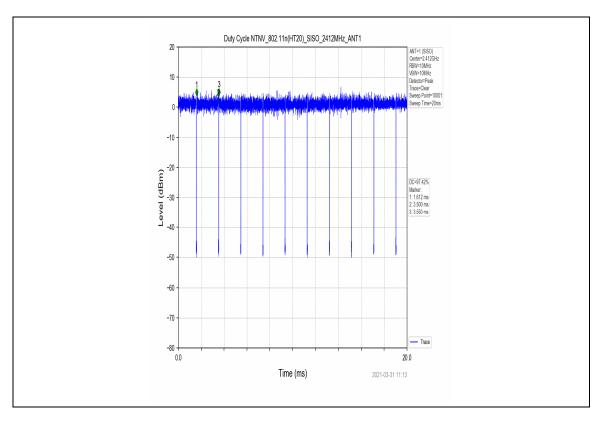
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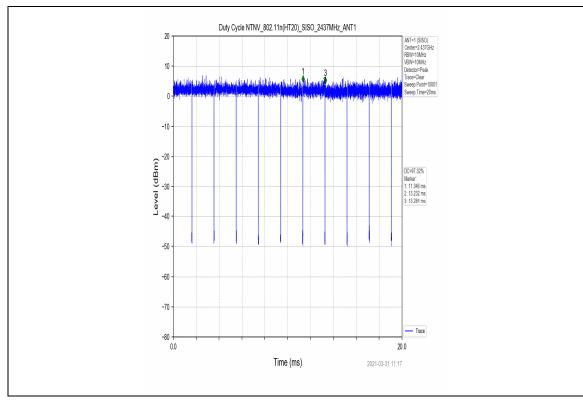
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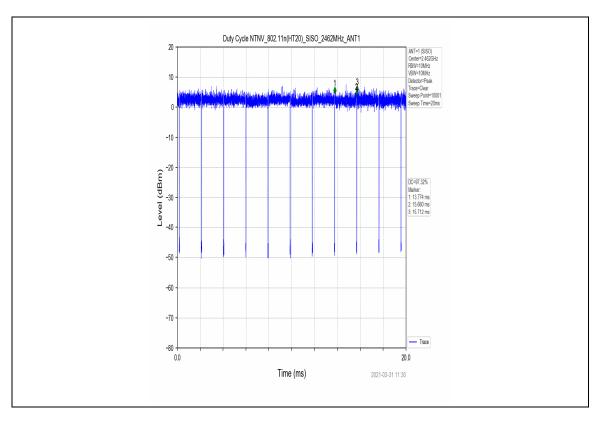
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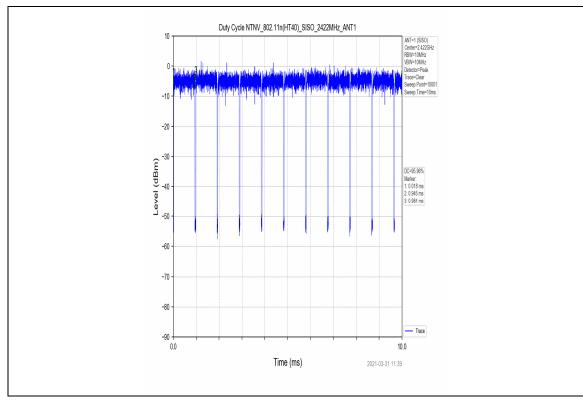
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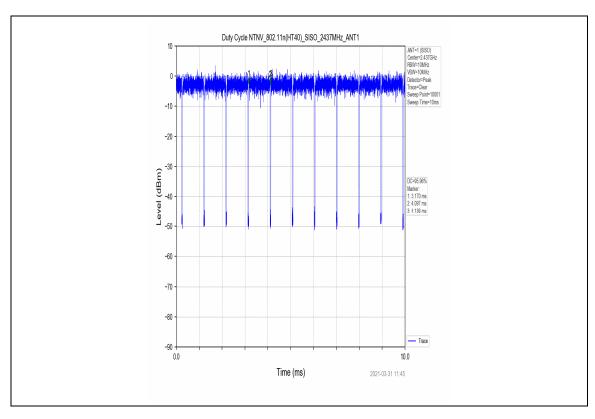
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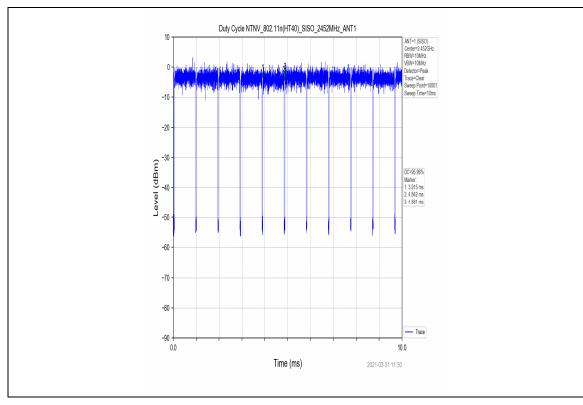
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#### 2. Bandwidth

#### 2.1 Test Result

Took Mode	Frequency (MHz)	ТХ Туре	ANT No.	6dB Bar	Vaudiat	
Test Mode				Test Result (MHz)	Limits (MHz)	Verdict
	2412	SISO	1	10.100	≥0.5	PASS
802.11b	2437	SISO	1	10.135	≥0.5	PASS
	2462	SISO	1	10.064	≥0.5	PASS
802.11g	2412	SISO	1	16.456	≥0.5	PASS
	2437	SISO	1	16.369	≥0.5	PASS
	2462	SISO	1	16.383	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	16.665	≥0.5	PASS
	2437	SISO	1	17.575	≥0.5	PASS
	2462	SISO	1	17.336	≥0.5	PASS
802.11n(HT40)	2422	SISO	1	36.140	≥0.5	PASS
	2437	SISO	1	36.389	≥0.5	PASS
	2452	SISO	1	36.381	≥0.5	PASS

Test Mode	Frequency (MHz)	ТХ Туре	ANT No.	99% Occupied Bandwidth  Test Result (MHz)			
Test Mode							
	2412	SISO	1	13.953	Only for Report Use		
802.11b	2437	SISO	1	13.962	Only for Report Use		
	2462	SISO	1	13.938	Only for Report Use		
	2412	SISO	1	17.346	Only for Report Use		
802.11g	2437	SISO	1	17.324	Only for Report Use		
	2462	SISO	1	17.334	Only for Report Use		
802.11n(HT20)	2412	SISO	1	18.409	Only for Report Use		
	2437	SISO	1	18.400	Only for Report Use		
	2462	SISO	1	18.404	Only for Report Use		
802.11n(HT40)	2422	SISO	1	38.385	Only for Report Use		
	2437	SISO	1	38.739	Only for Report Use		
	2452	SISO	1	38.598	Only for Report Use		



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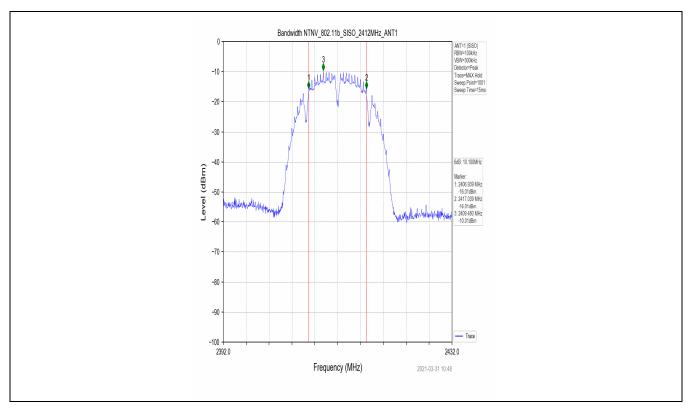
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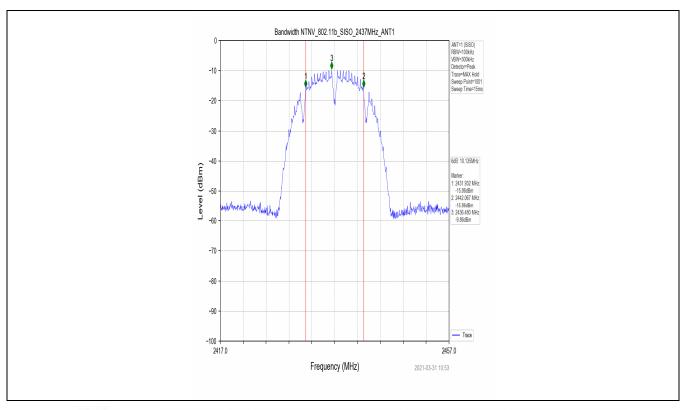


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#### 2.2 Test Graph - 6dB Bandwidth







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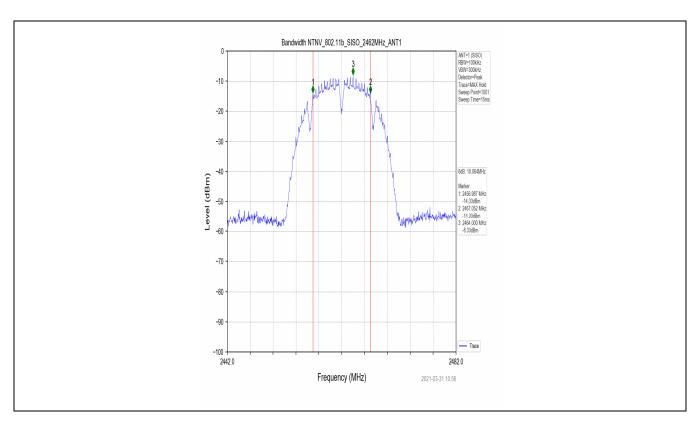
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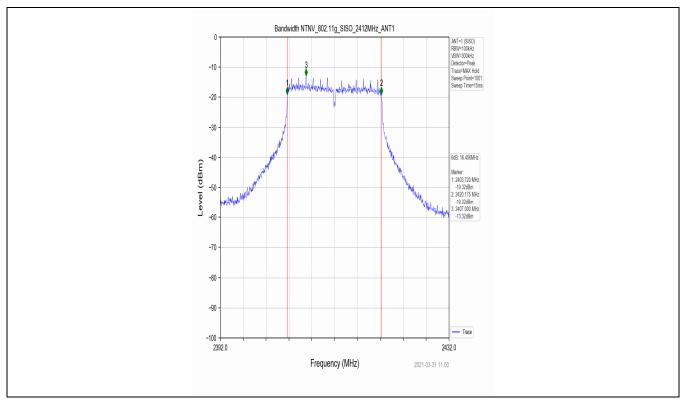
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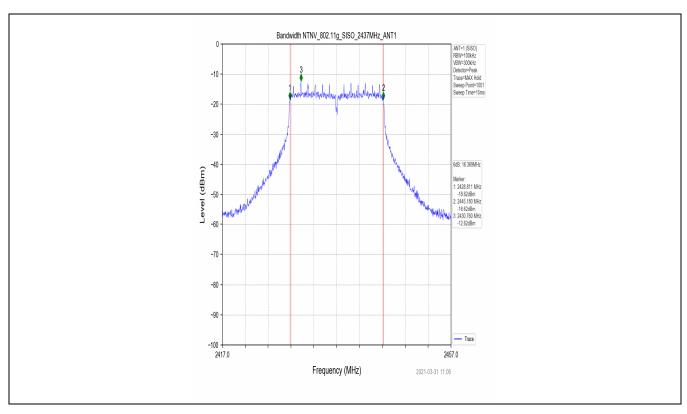
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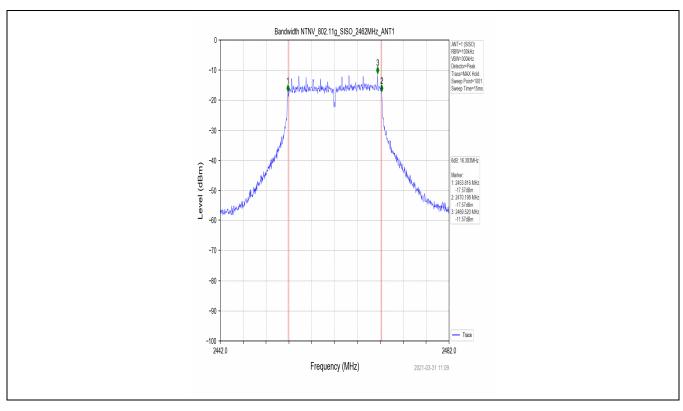
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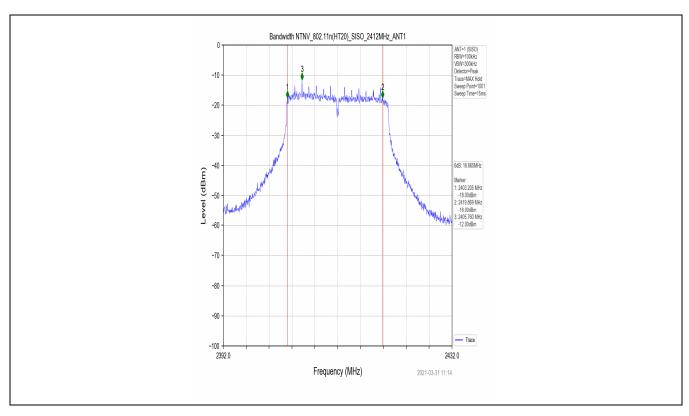
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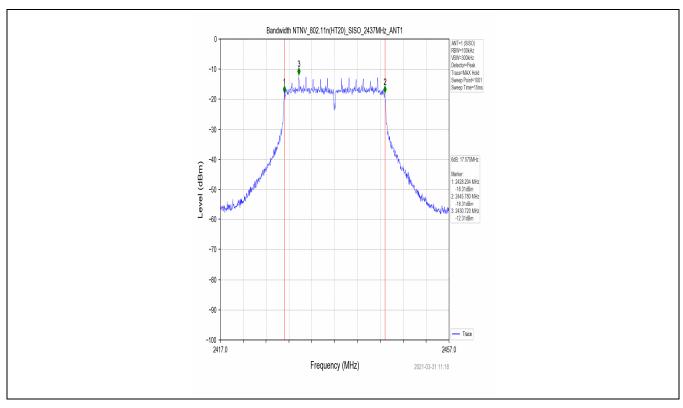
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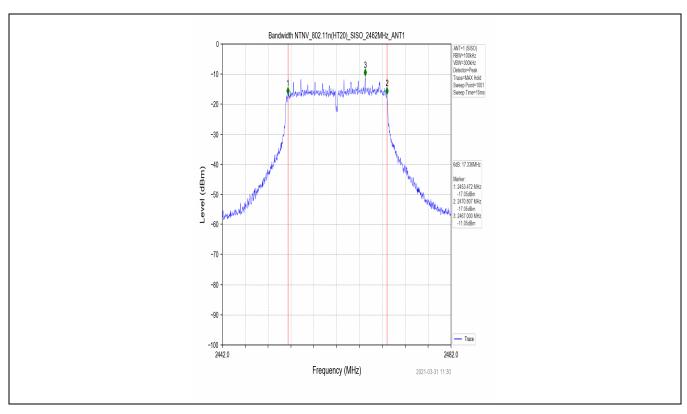
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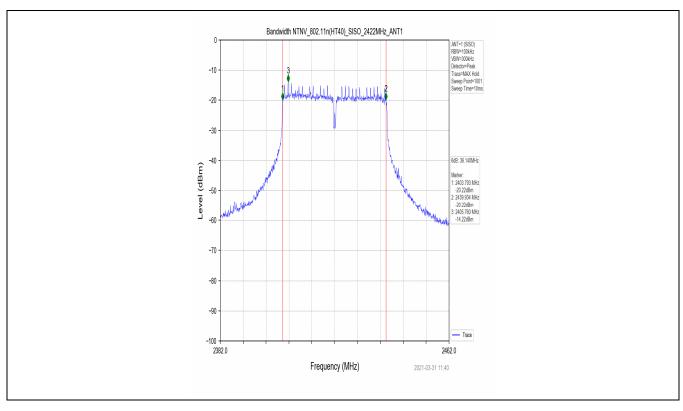
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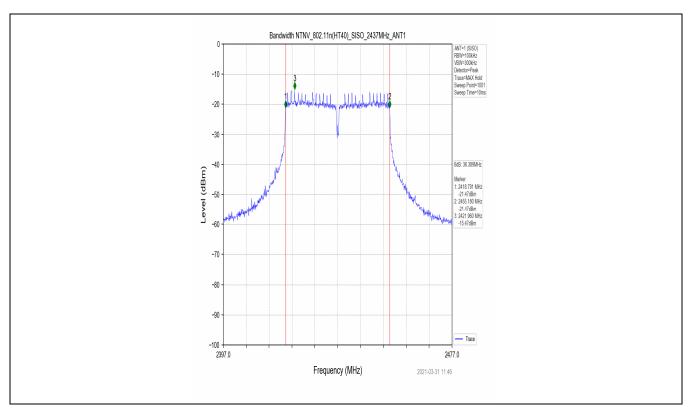
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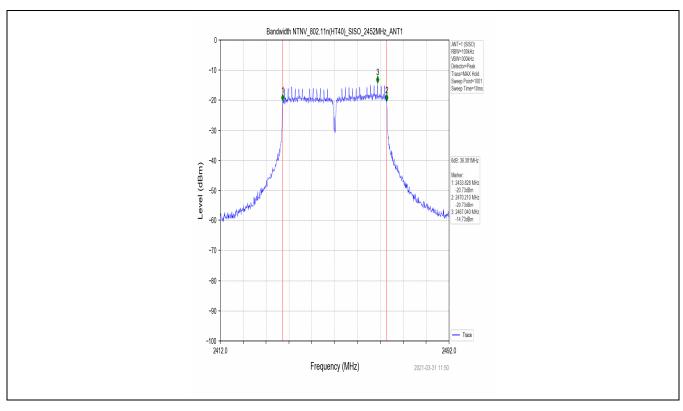
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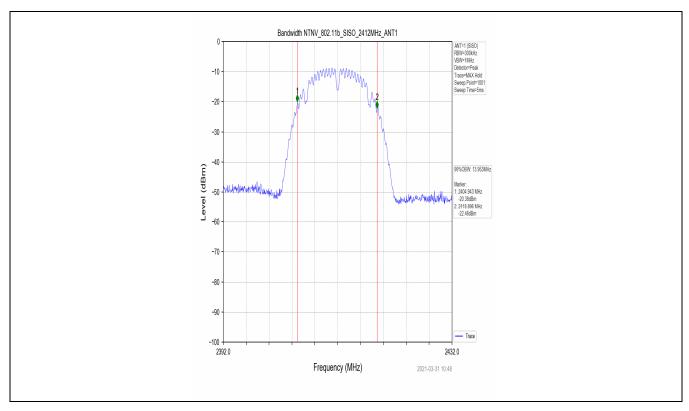
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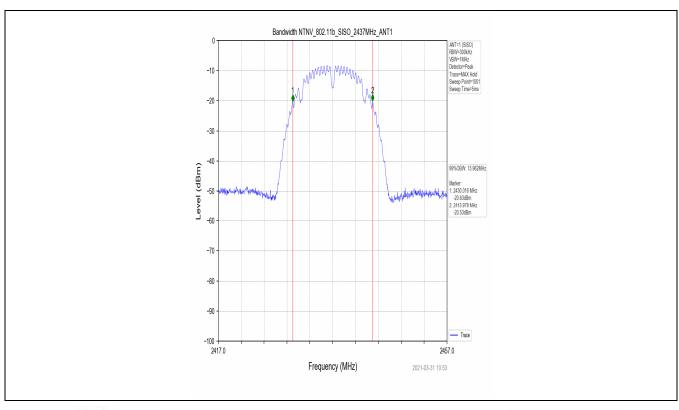


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#### 2.3 Test Graph - 99% Occupied Bandwidth







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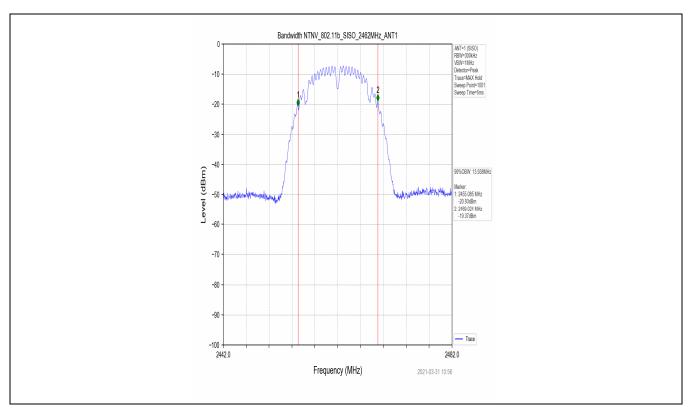
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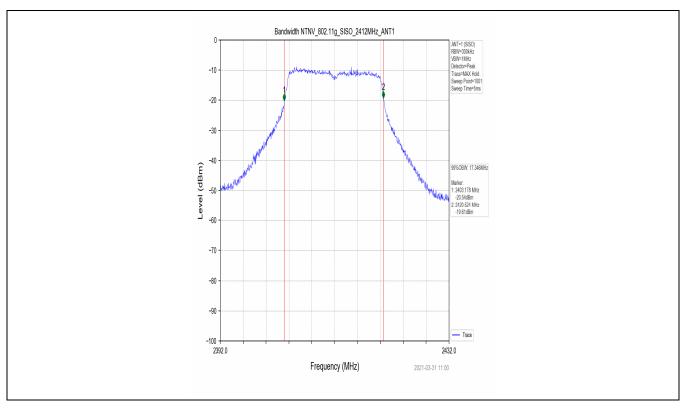
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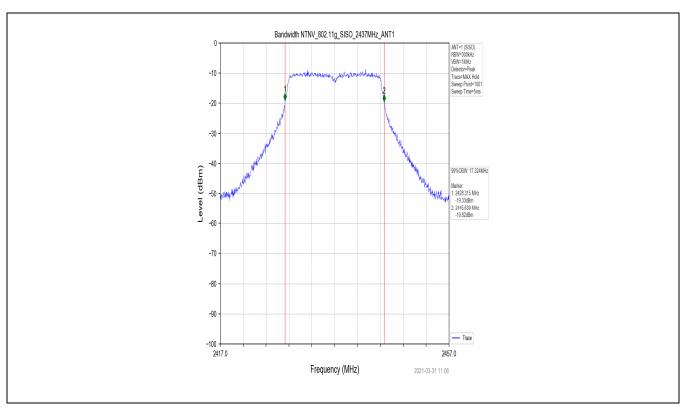
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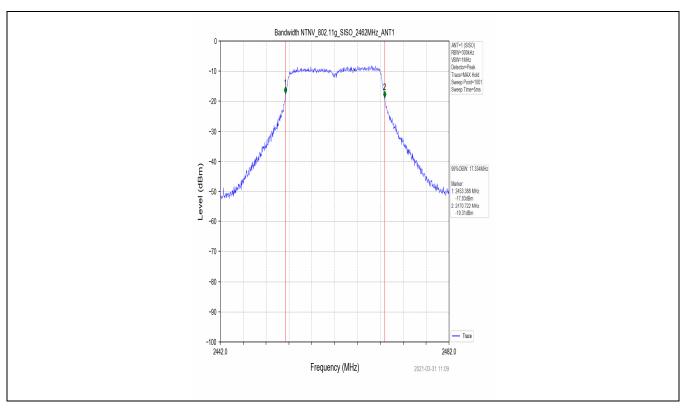
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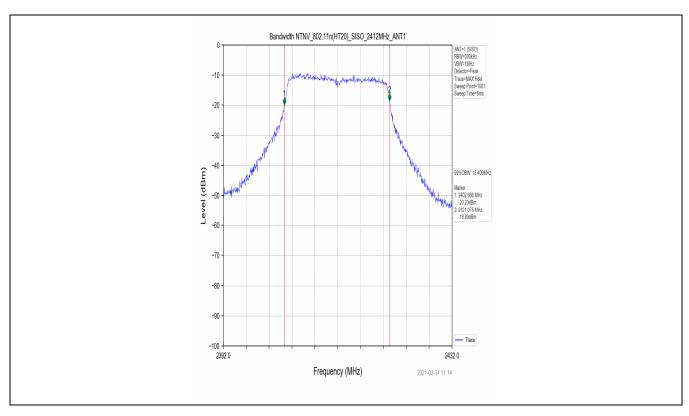
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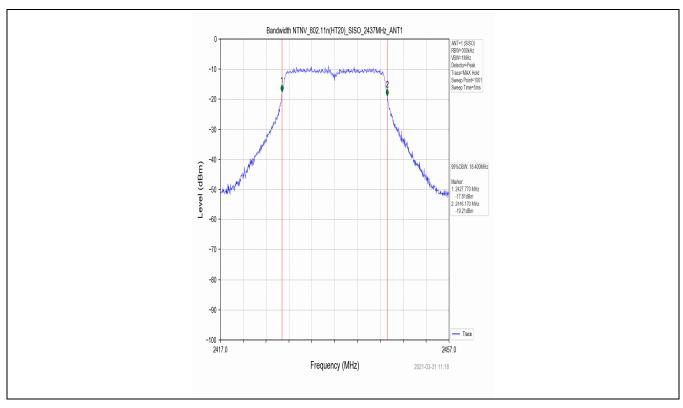
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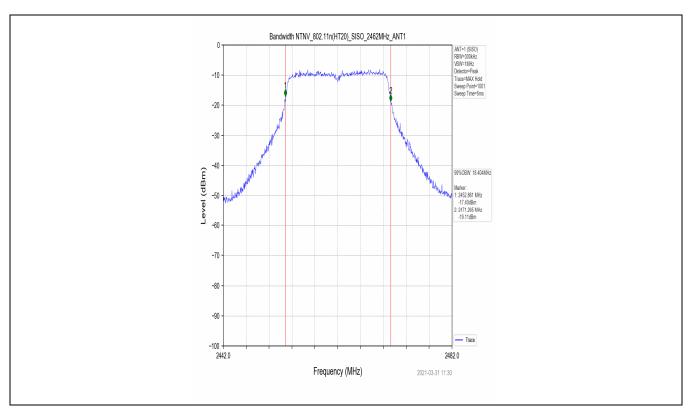
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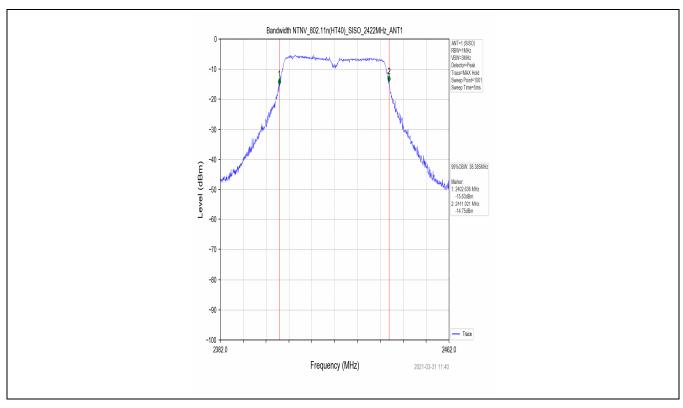
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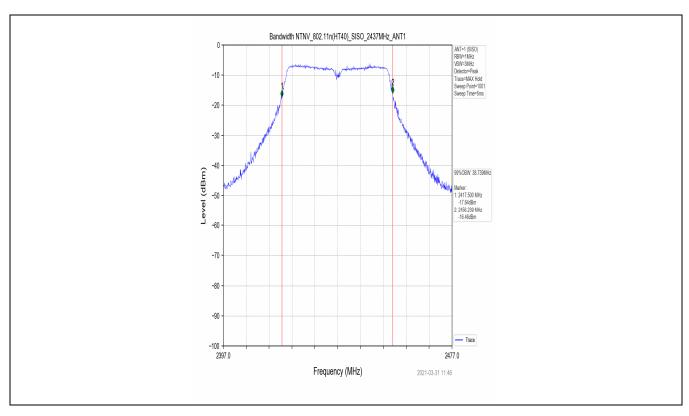
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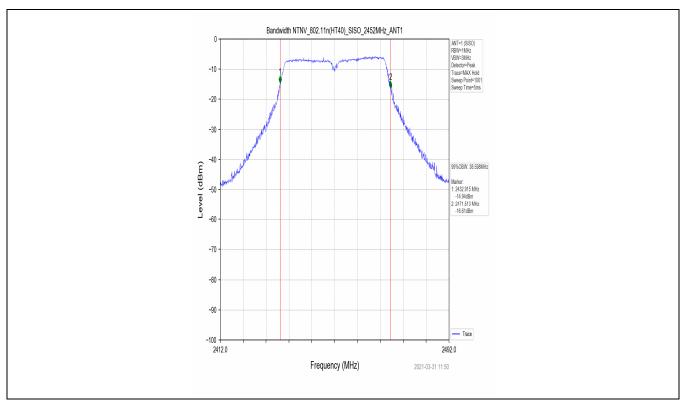
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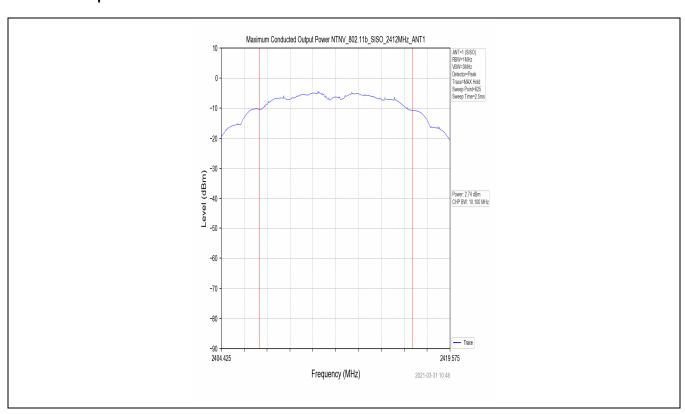
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#### 3. Maximum Conducted Output Power

#### 3.1 Test Result

Test Mode	Frequency (MHz)	Тх Туре	Measured Peak Output Power (dBm) Ant 1	Limits (dBm)	Verdict PASS	
	2412	SISO	2.74	23.87		
802.11b	2437	SISO	3.32	23.87	PASS	
	2462	SISO	4.36	23.87	PASS	
	2412	SISO	6.63	23.87	PASS	
802.11g	2437	SISO	6.86	23.87	PASS	
	2462	SISO	7.87	23.87	PASS	
802.11n(HT20)	2412	SISO	6.42	23.87	PASS	
	2437	SISO	7.03	23.87	PASS	
	2462	SISO	8.14	23.87	PASS	
802.11n(HT40)	2422	SISO	7.99	23.87	PASS	
	2437	SISO	6.94	23.87	PASS	
	2452	SISO	7.67	23.87	PASS	

#### 3.2 Test Graph





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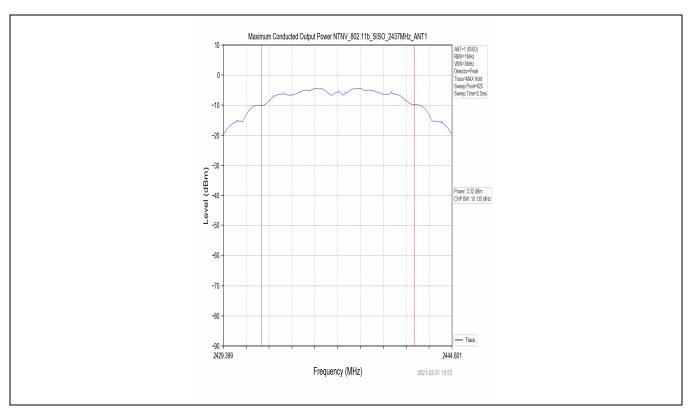
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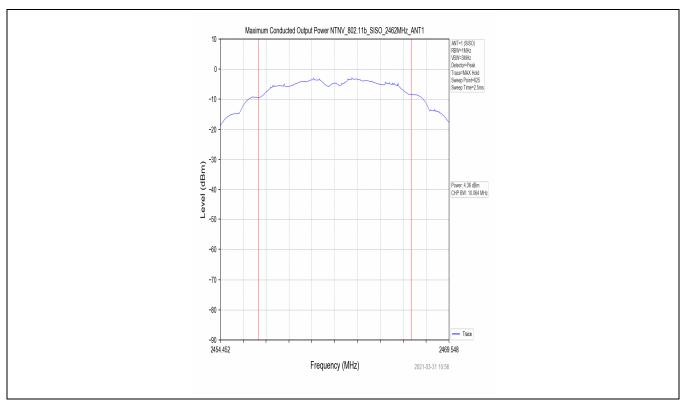
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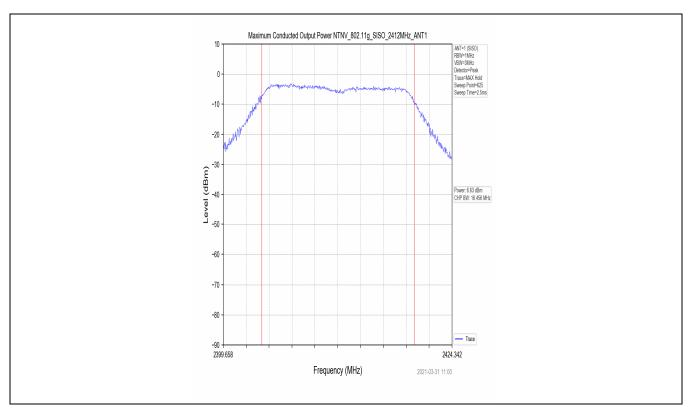
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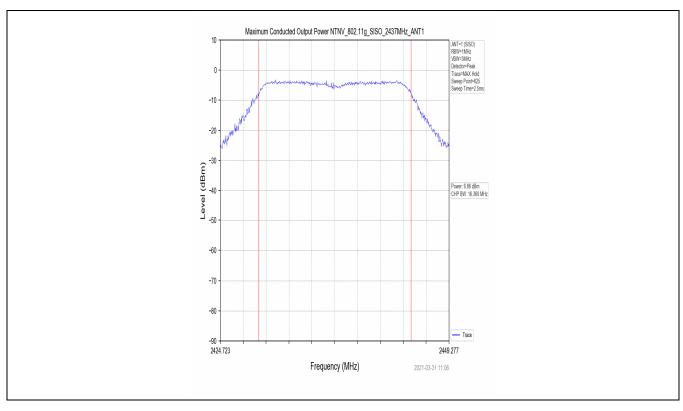
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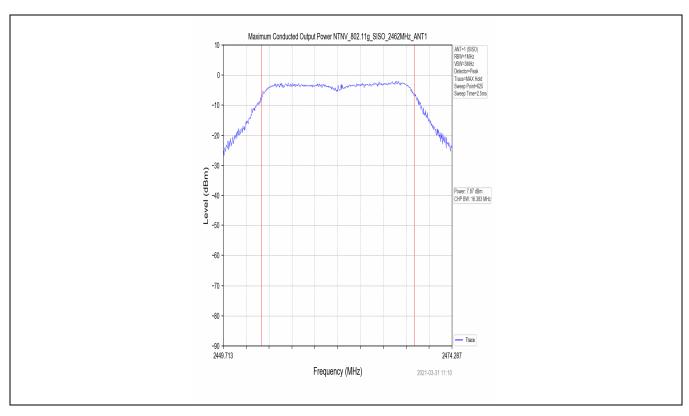
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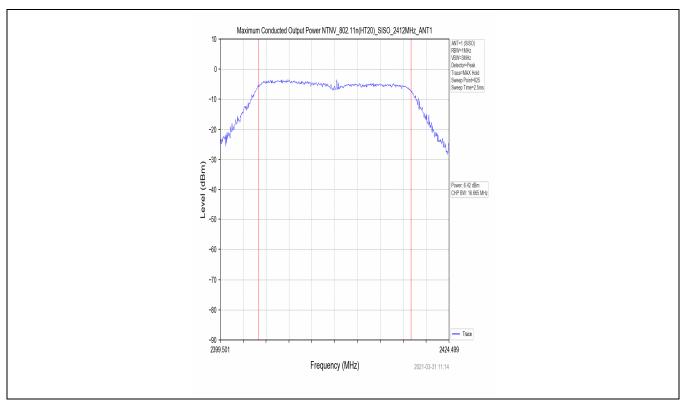
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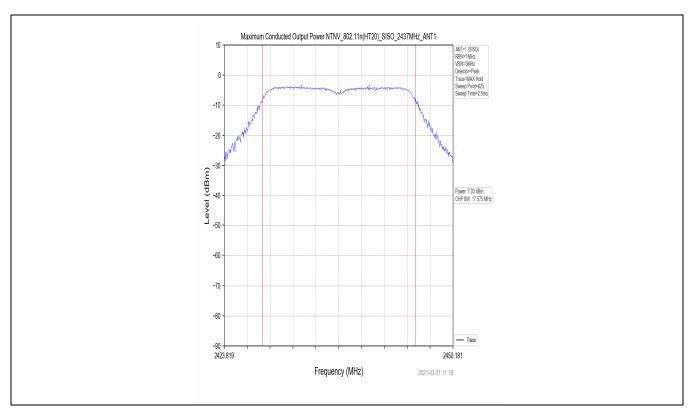
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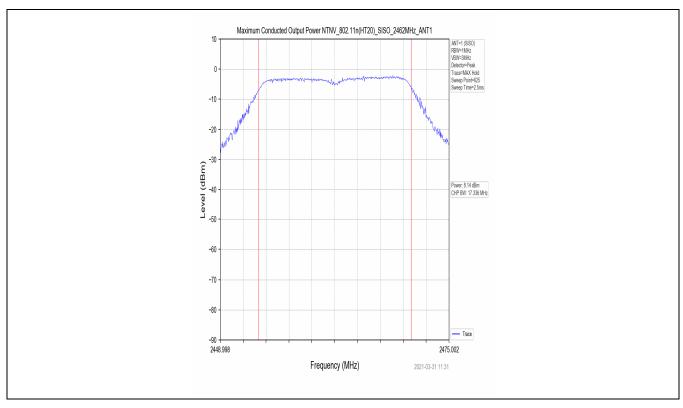
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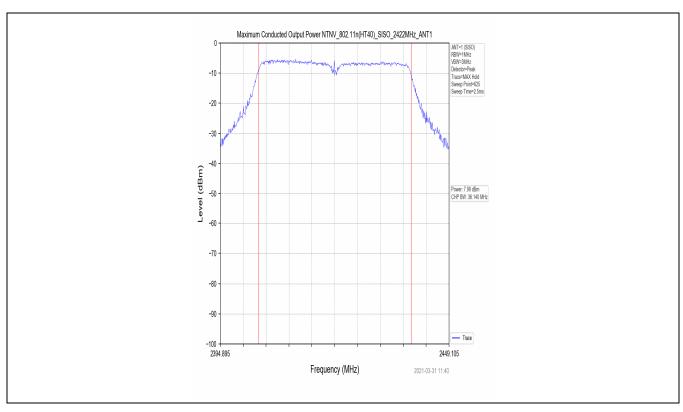
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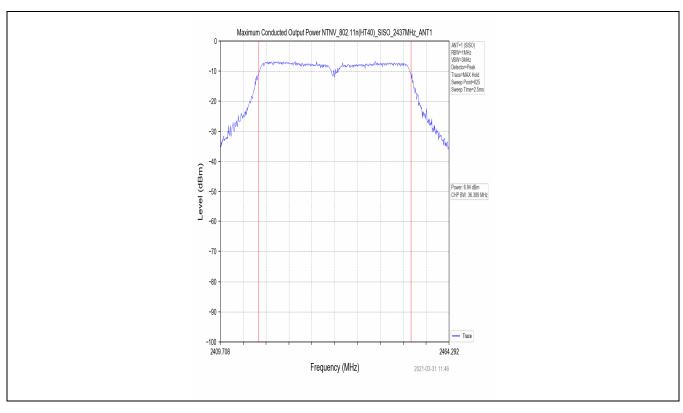
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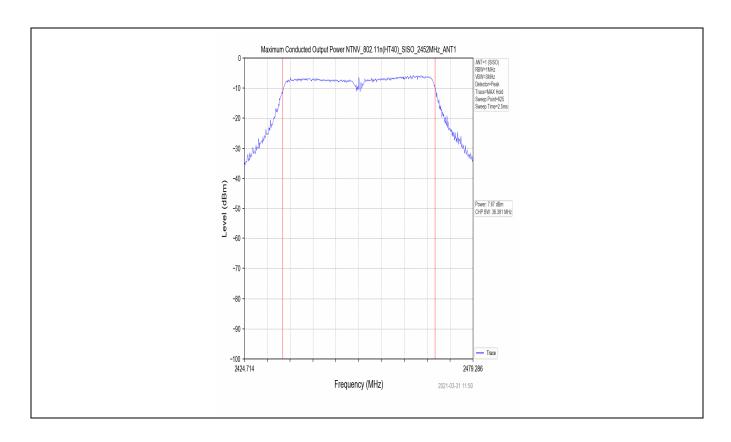
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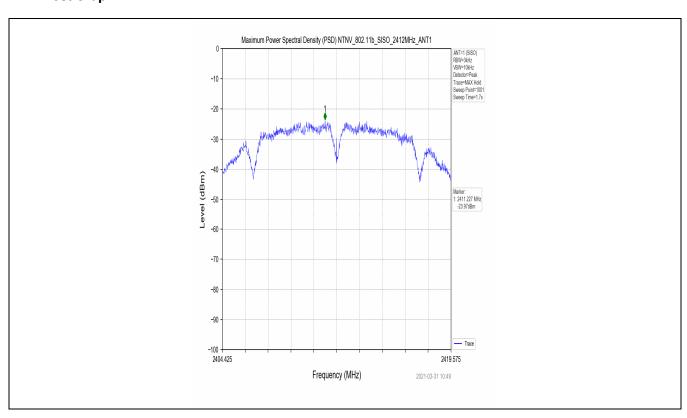
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#### 4. Maximum Power Spectral Density (PSD)

#### 4.1 Test Result

Test Mode	Frequency (MHz)	Тх Туре	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict PASS	
	2412	SISO	Ant 1 -23.97	≤8		
	2412	3130	-23.97	≥0	PASS	
802.11b	2437	SISO	-23.71	≤8	PASS	
	2462	SISO	-23.00	≤8	PASS	
	2412	SISO	-25.02	≤8	PASS	
802.11g	2437	SISO	-25.73	≤8	PASS	
	2462	SISO	-24.85	≤8	PASS	
802.11n(HT20)	2412	SISO	-26.13	≤8	PASS	
	2437	SISO	-26.49	≤8	PASS	
	2462	SISO	-25.58	≤8	PASS	
802.11n(HT40)	2422	SISO	-27.81	≤8	PASS	
	2437	SISO	-29.43	≤8	PASS	
	2452	SISO	-27.17	≤8	PASS	

#### 4.2 Test Graph





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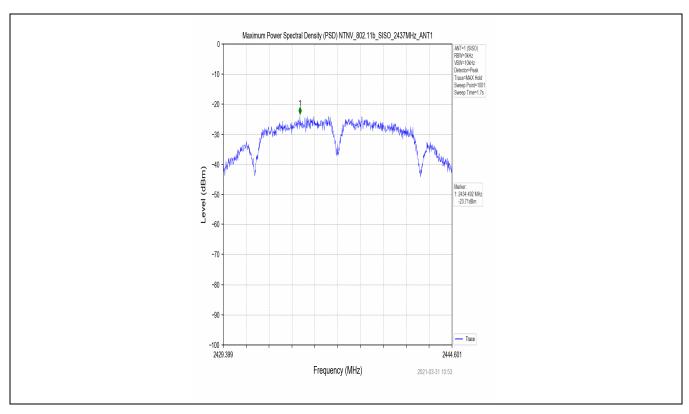
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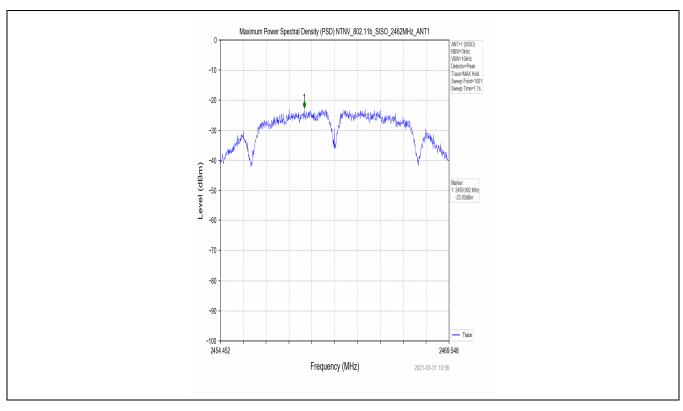
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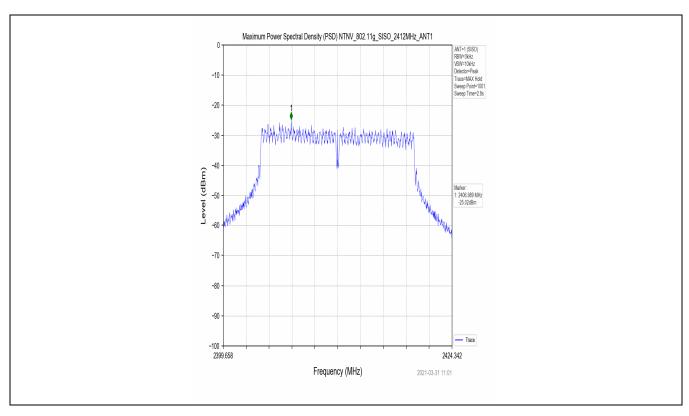
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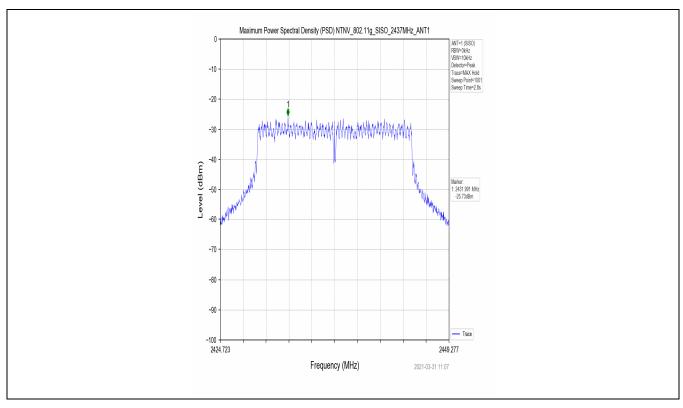
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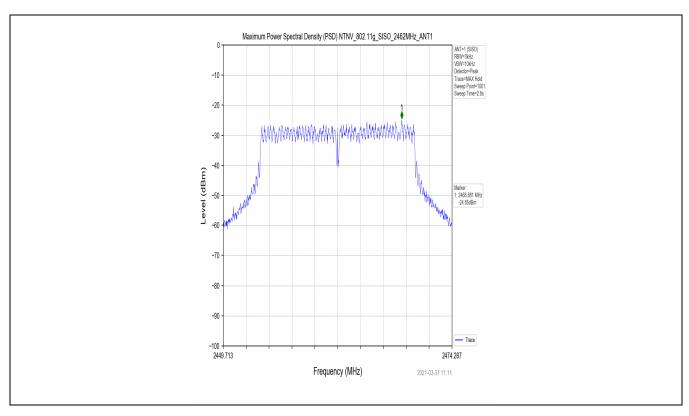
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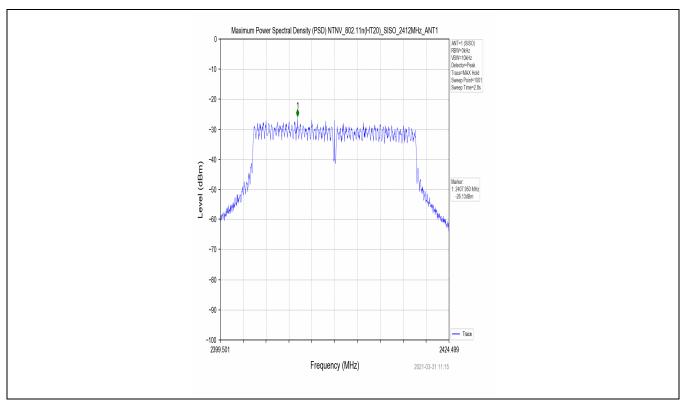
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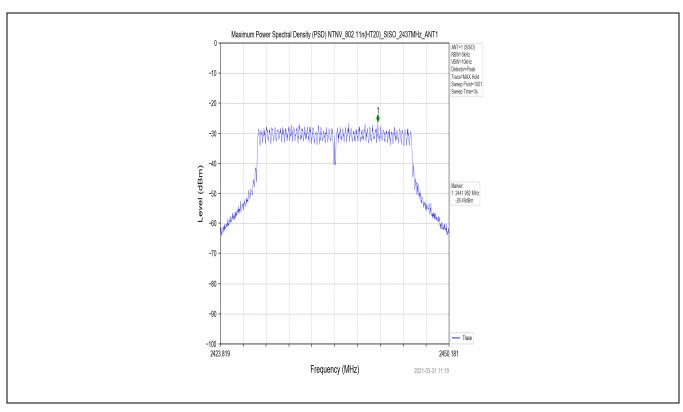
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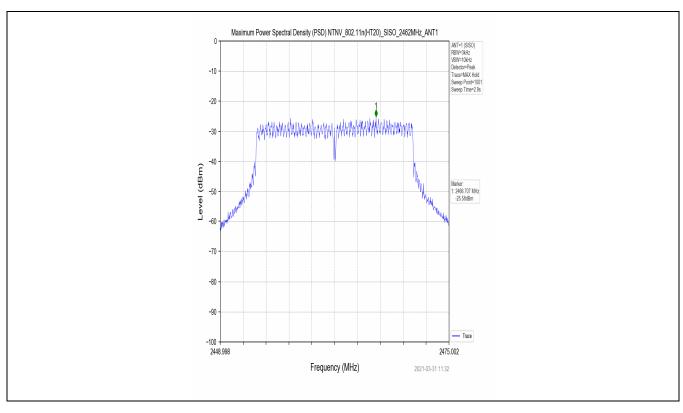
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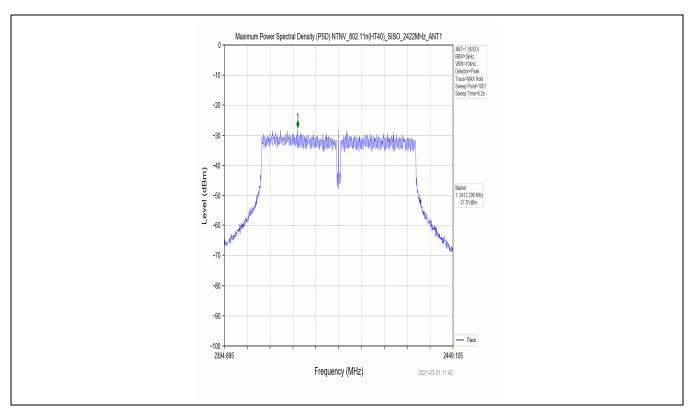
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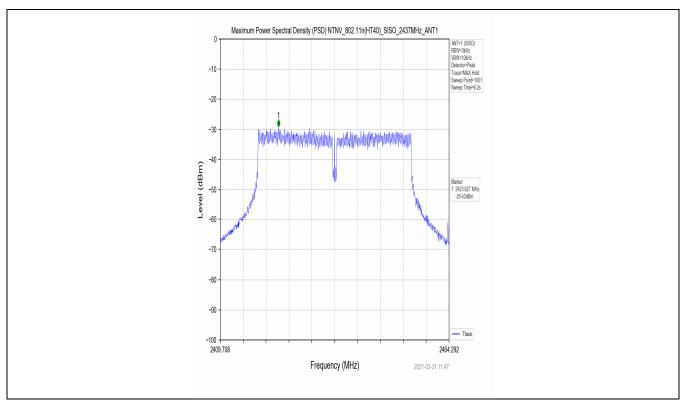
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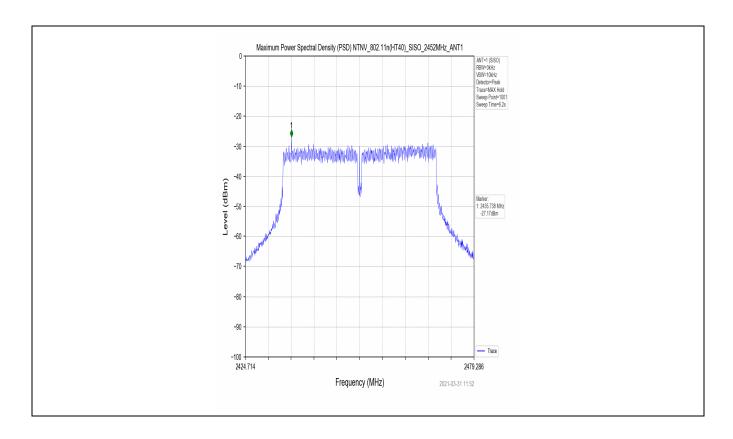
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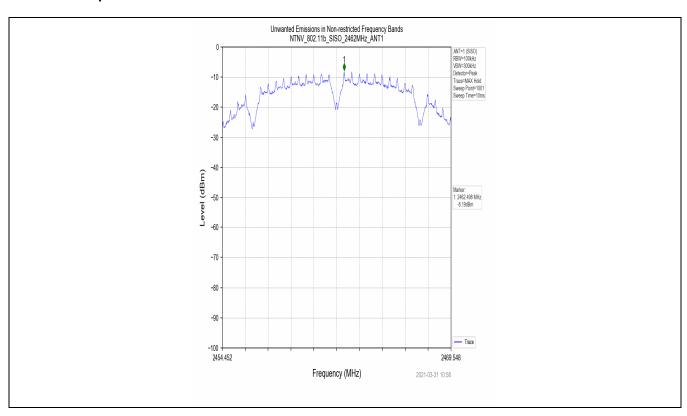
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#### 5. Unwanted Emissions in Non-restricted Frequency Bands

#### 5.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-28.19	PASS
	2437	SISO	1	Refer to test graph	-28.19	PASS
	2462	SISO	1	Refer to test graph	-28.19	PASS
802.11g	2412	SISO	1	Refer to test graph	-31.28	PASS
	2437	SISO	1	Refer to test graph	-31.28	PASS
	2462	SISO	1	Refer to test graph	-31.28	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-31.06	PASS
	2437	SISO	1	Refer to test graph	-31.06	PASS
	2462	SISO	1	Refer to test graph	-31.06	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-34.20	PASS
	2437	SISO	1	Refer to test graph	-34.20	PASS
	2452	SISO	1	Refer to test graph	-34.20	PASS

#### 5.2 Test Graph





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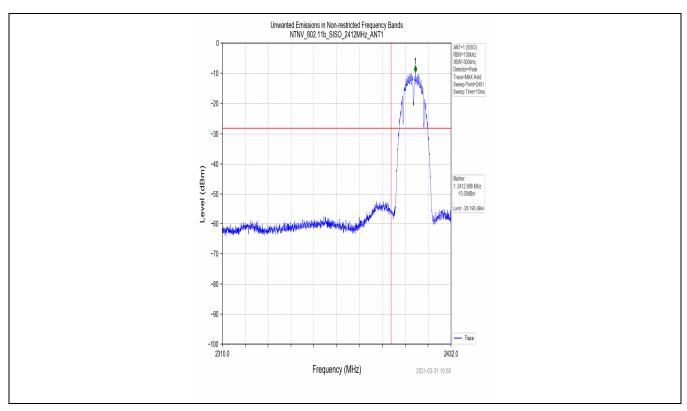
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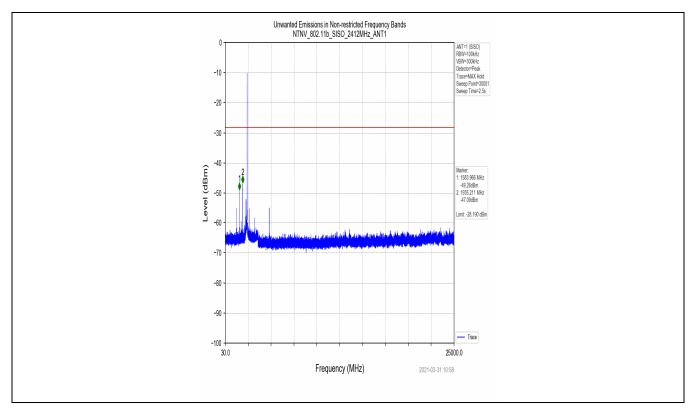
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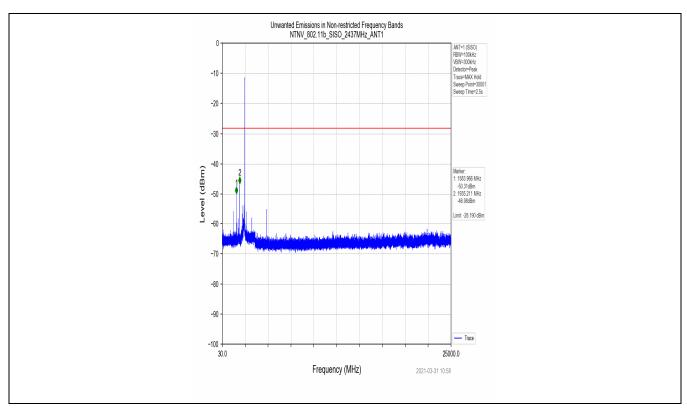
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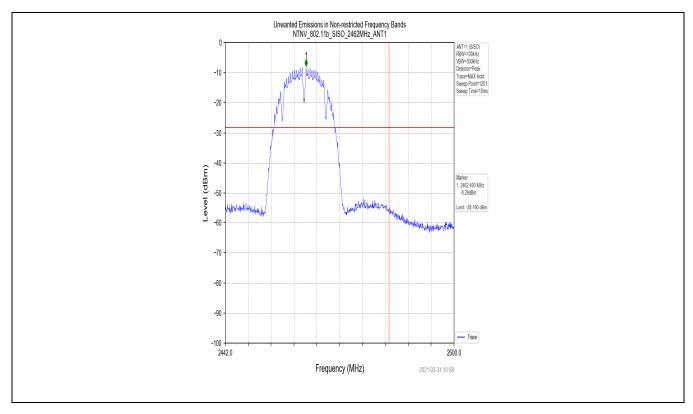
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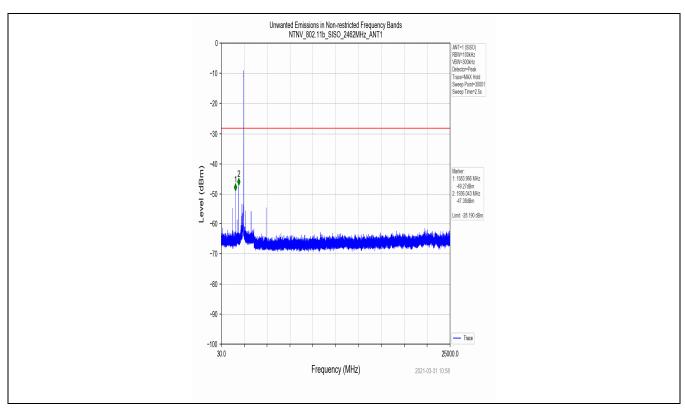
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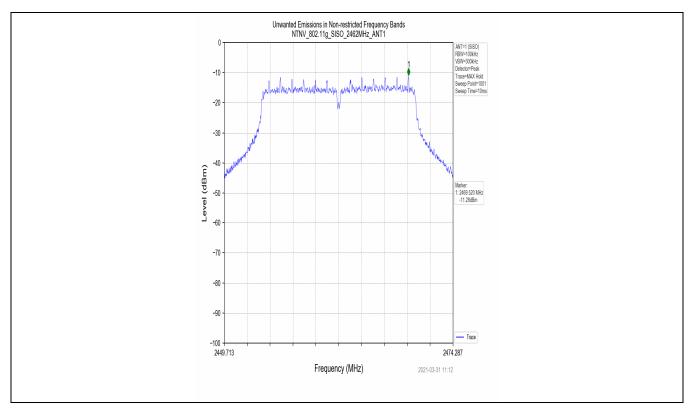
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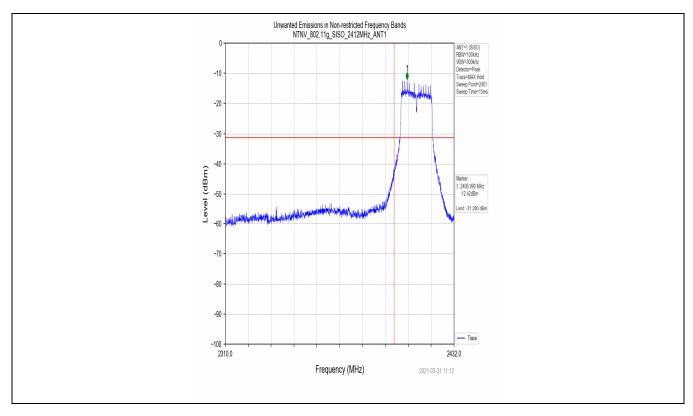
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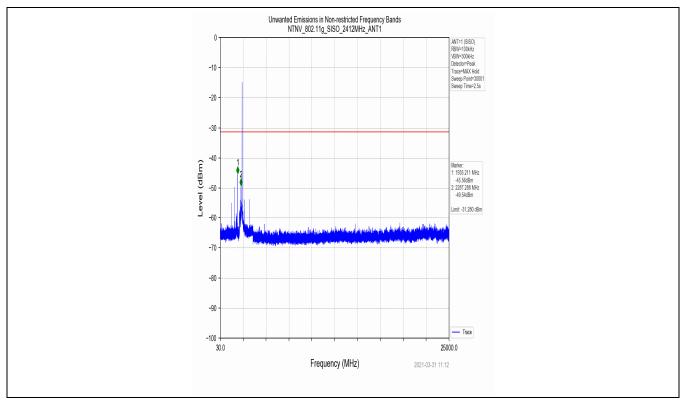
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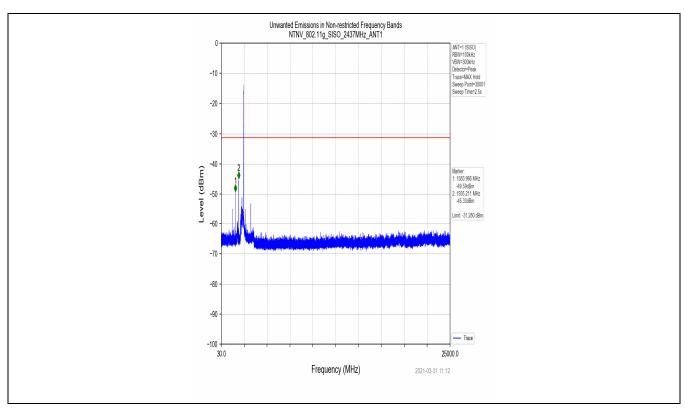
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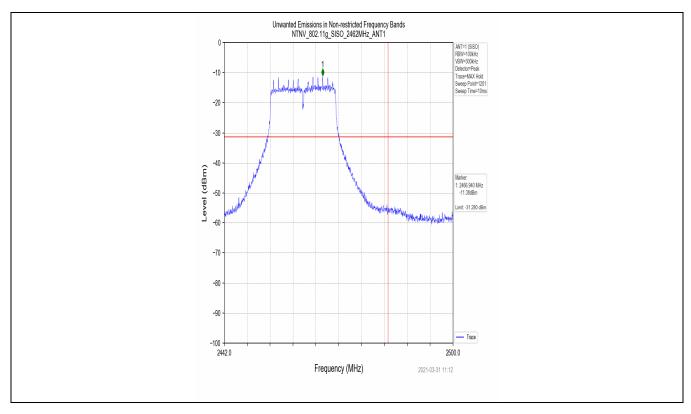
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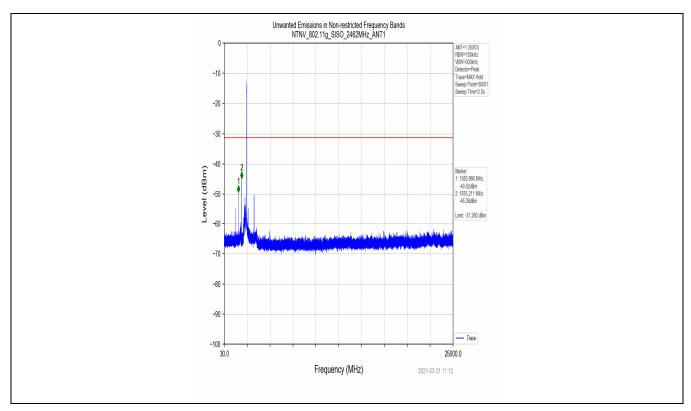
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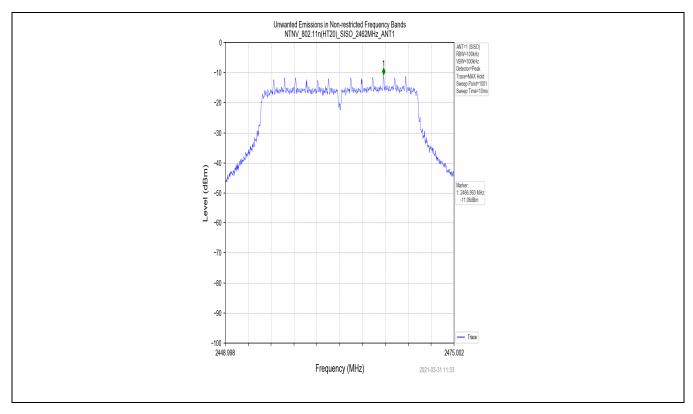
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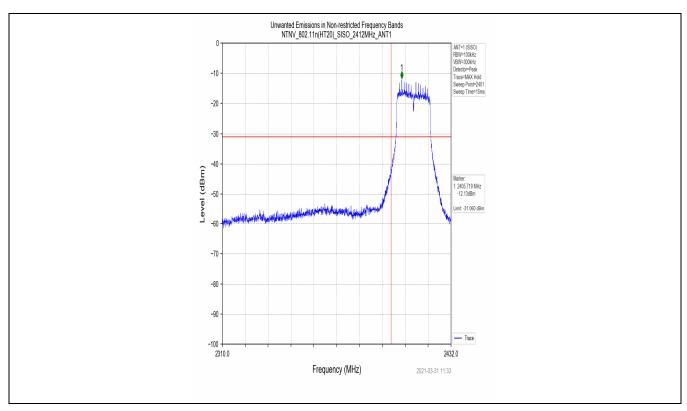
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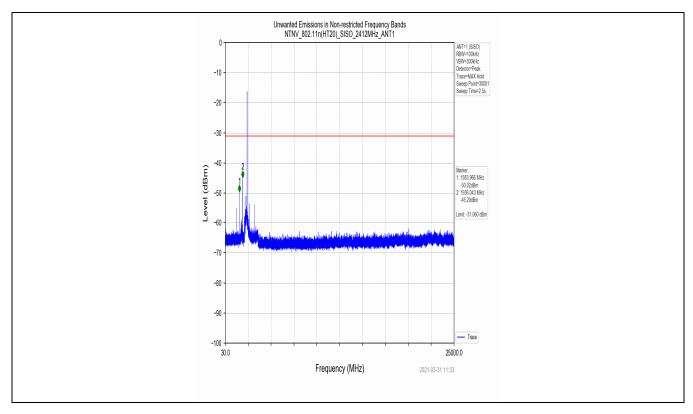
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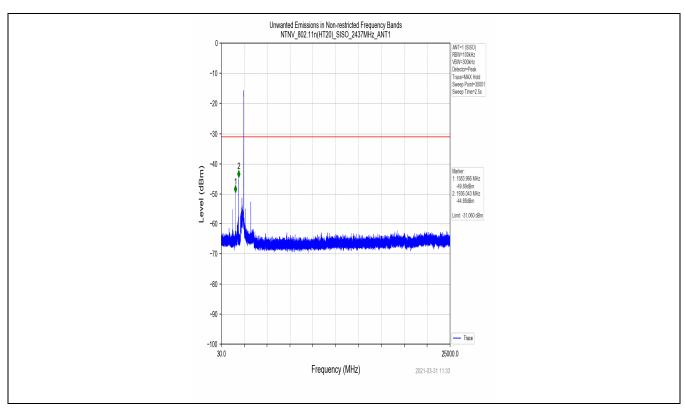
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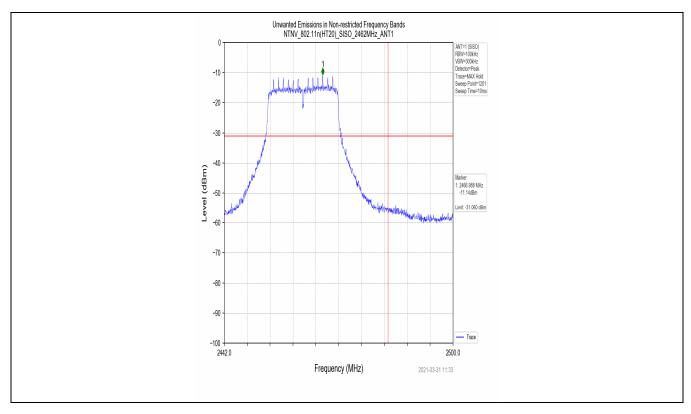
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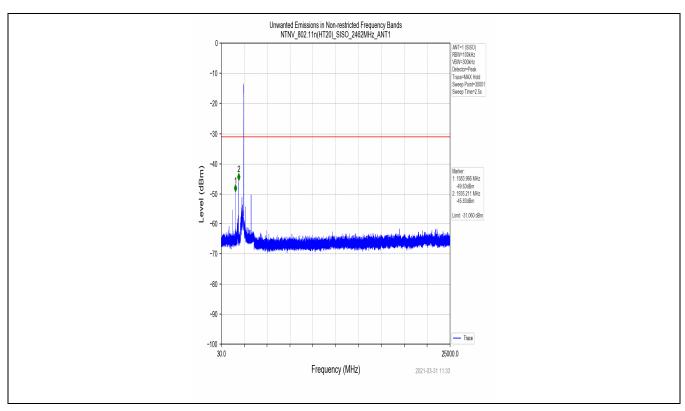
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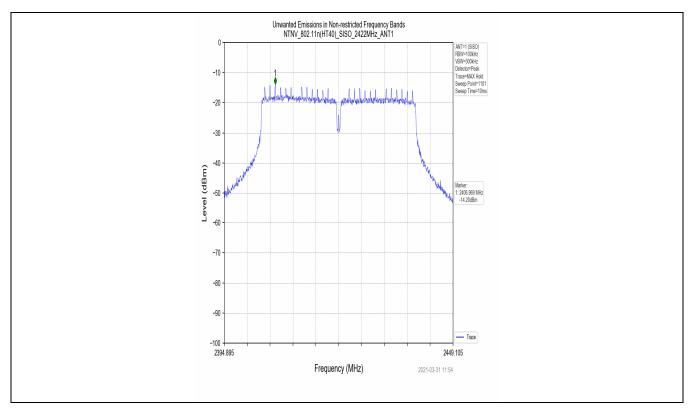
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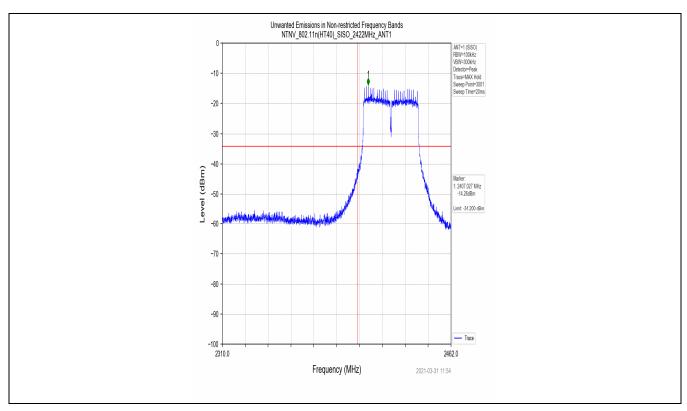
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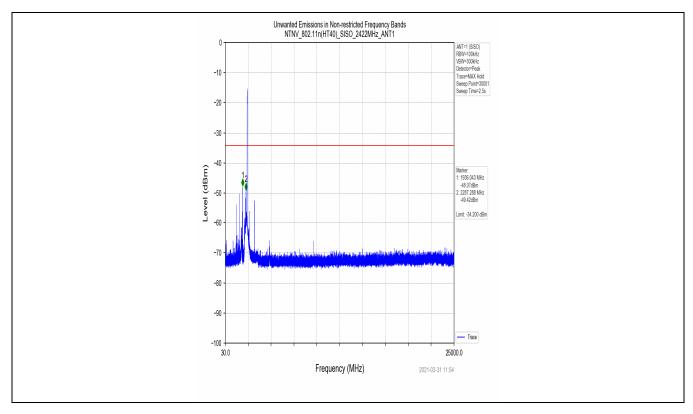
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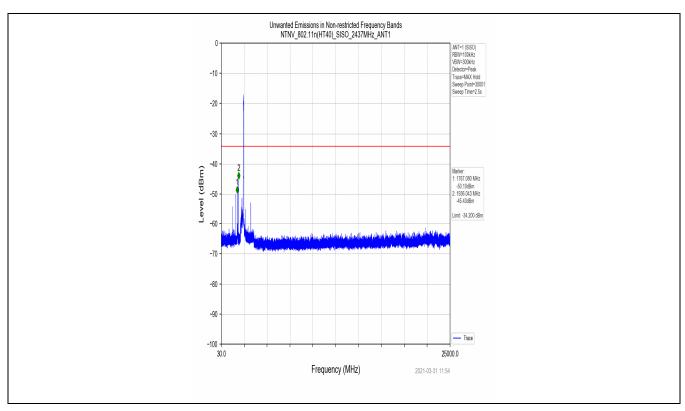
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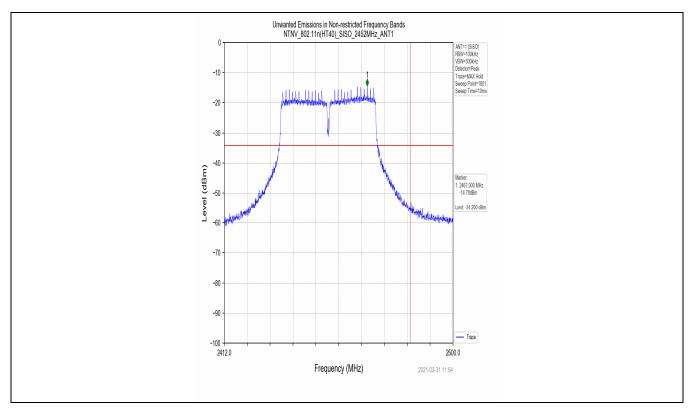
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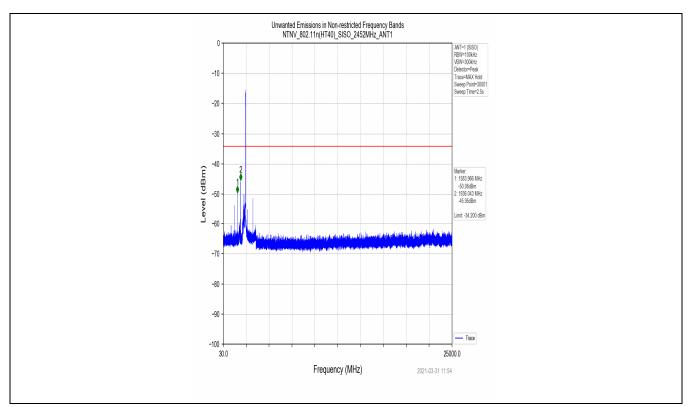
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