

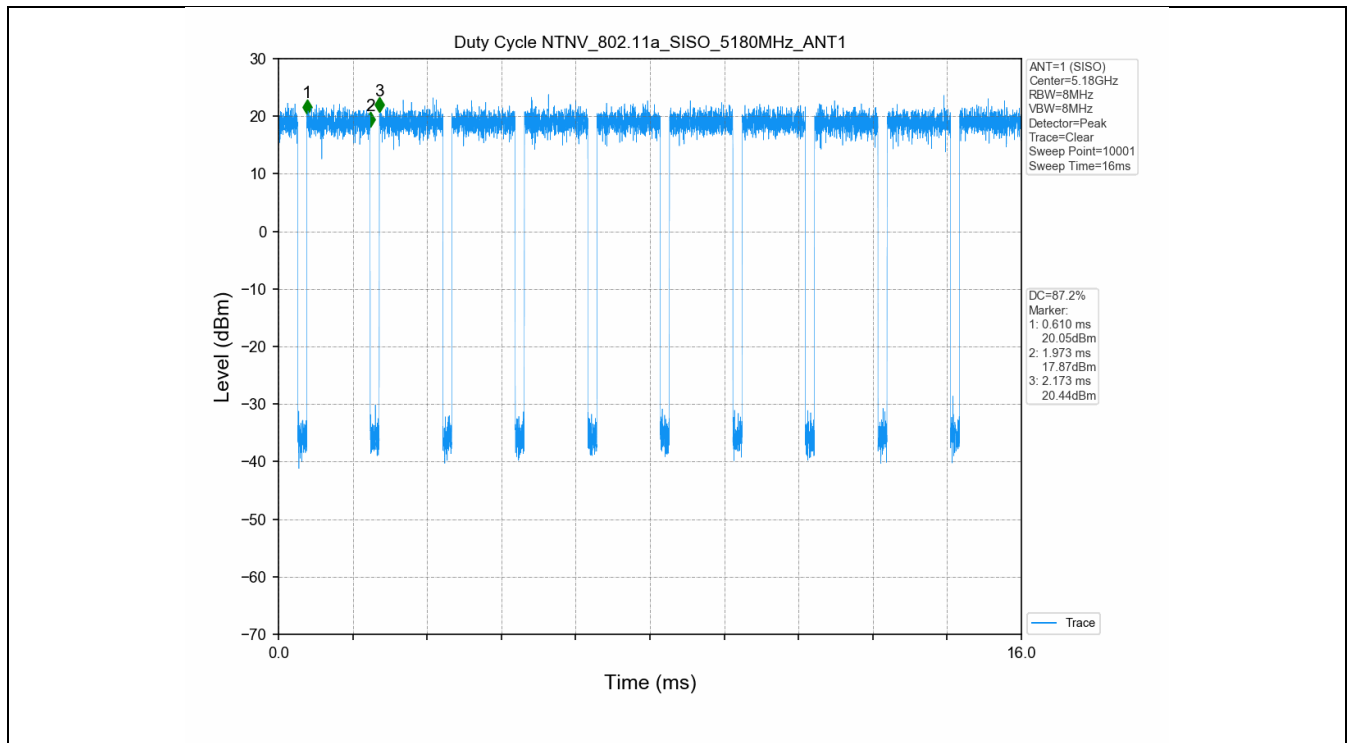
## Appendix D for SHEM200900746604

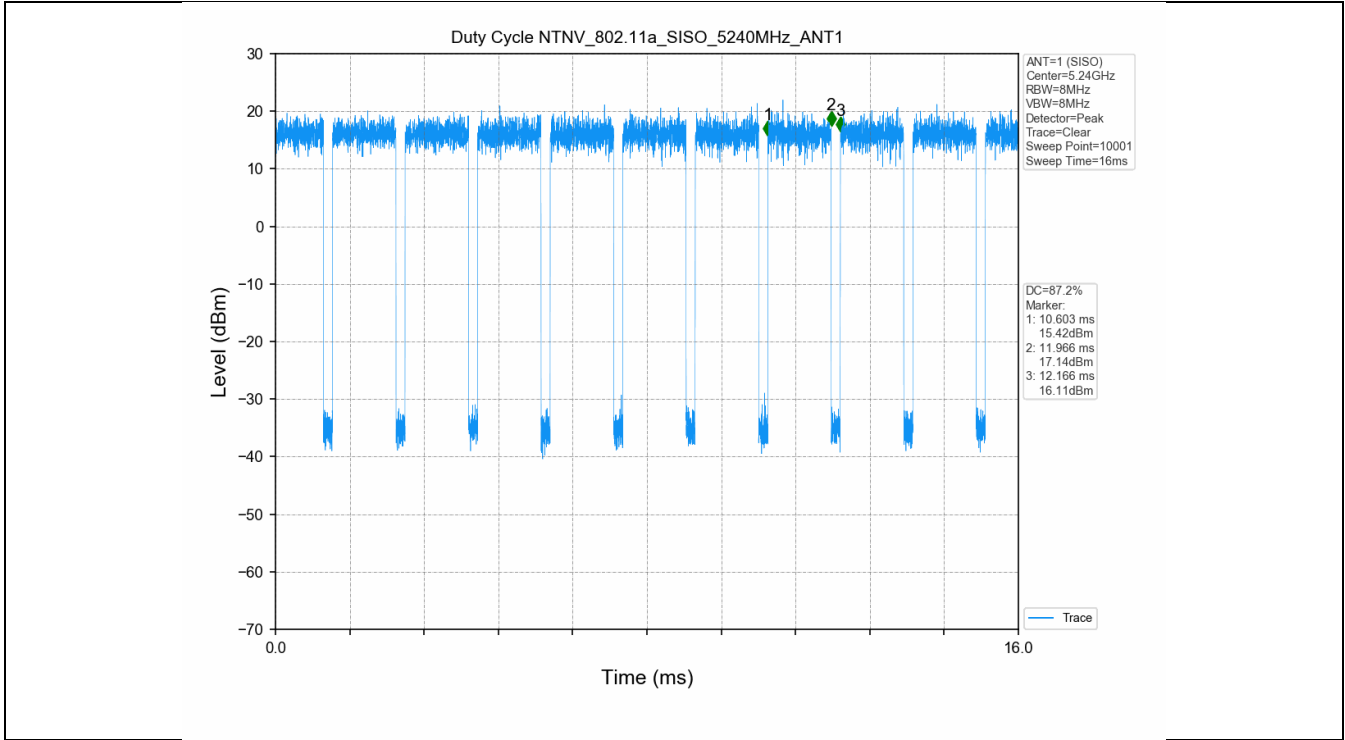
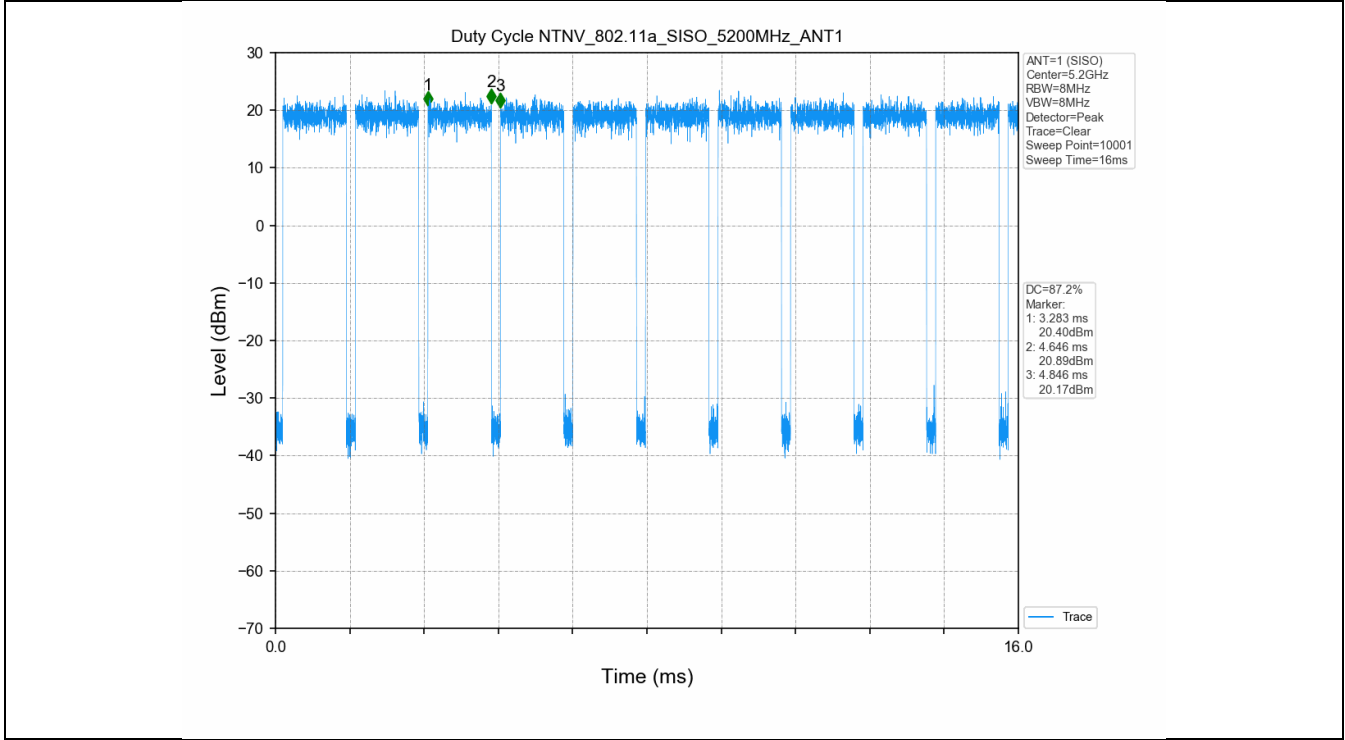
### 1. Duty Cycle

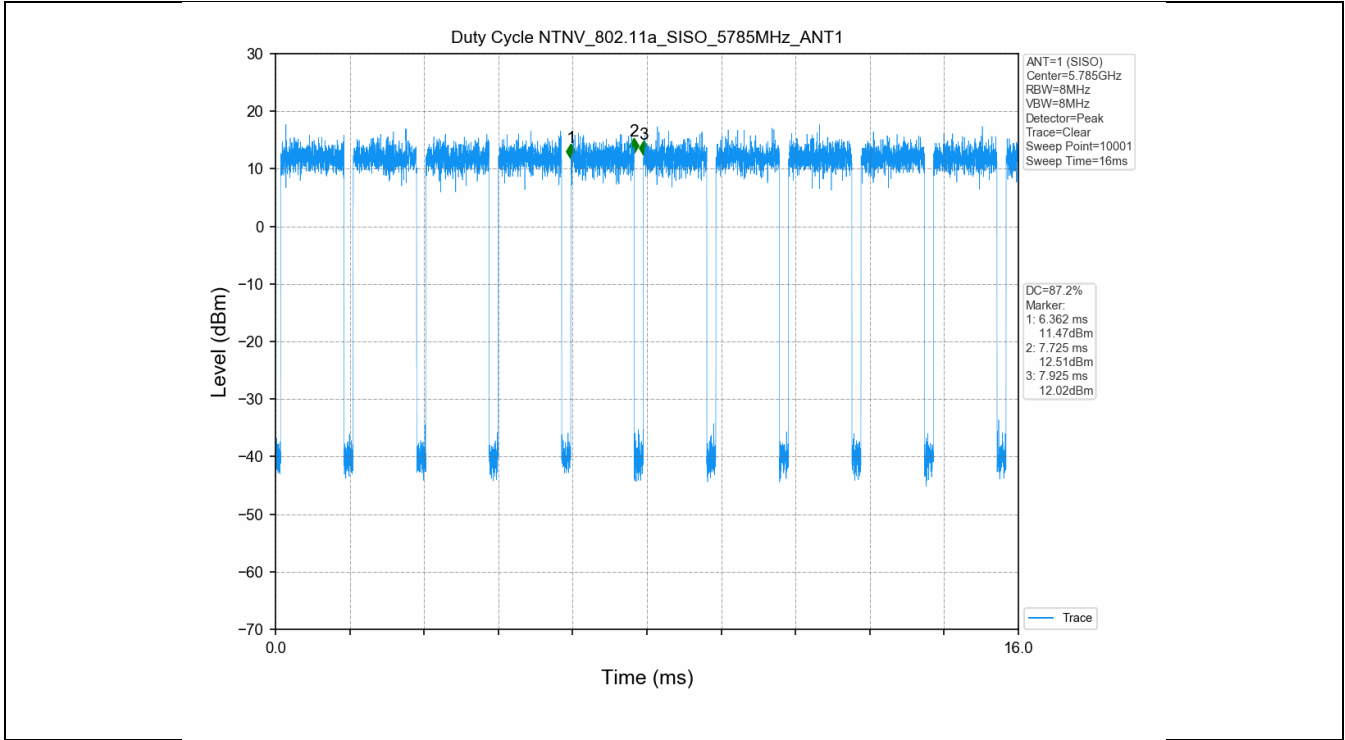
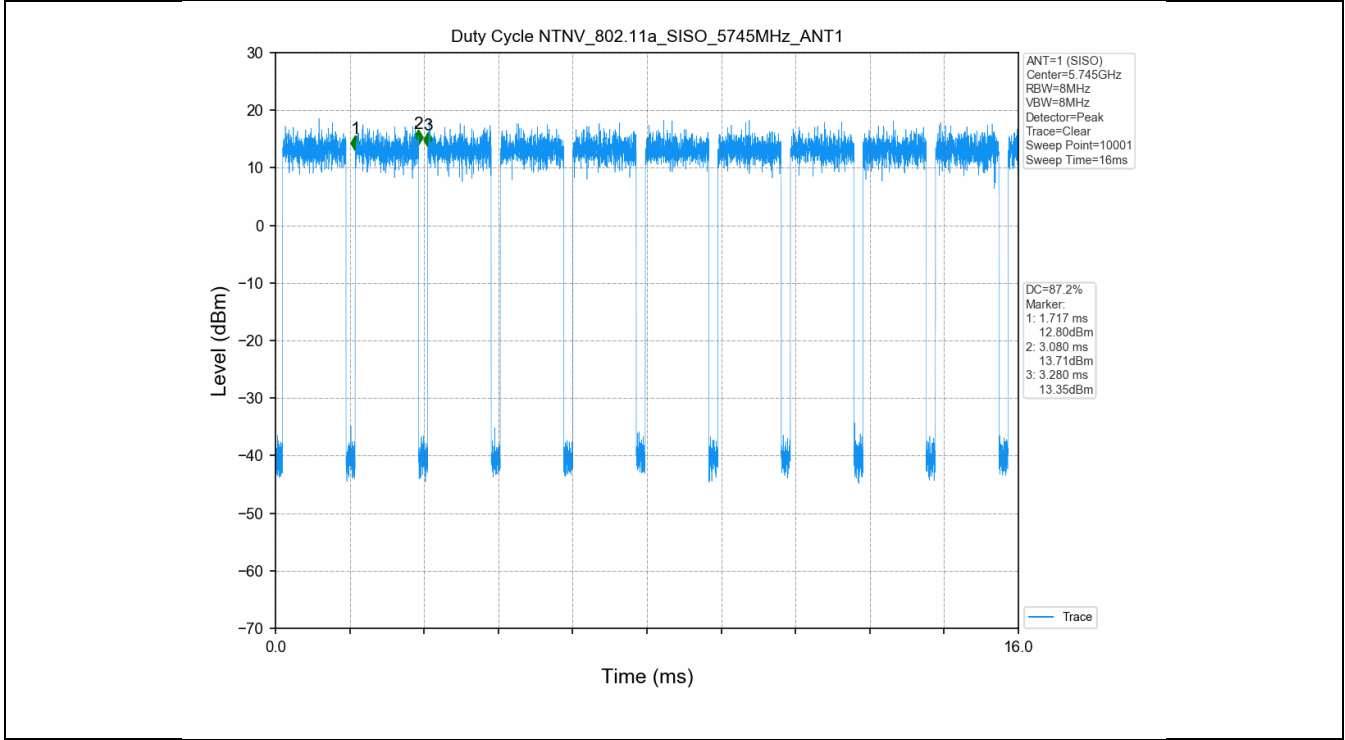
#### 1.1 Test Result

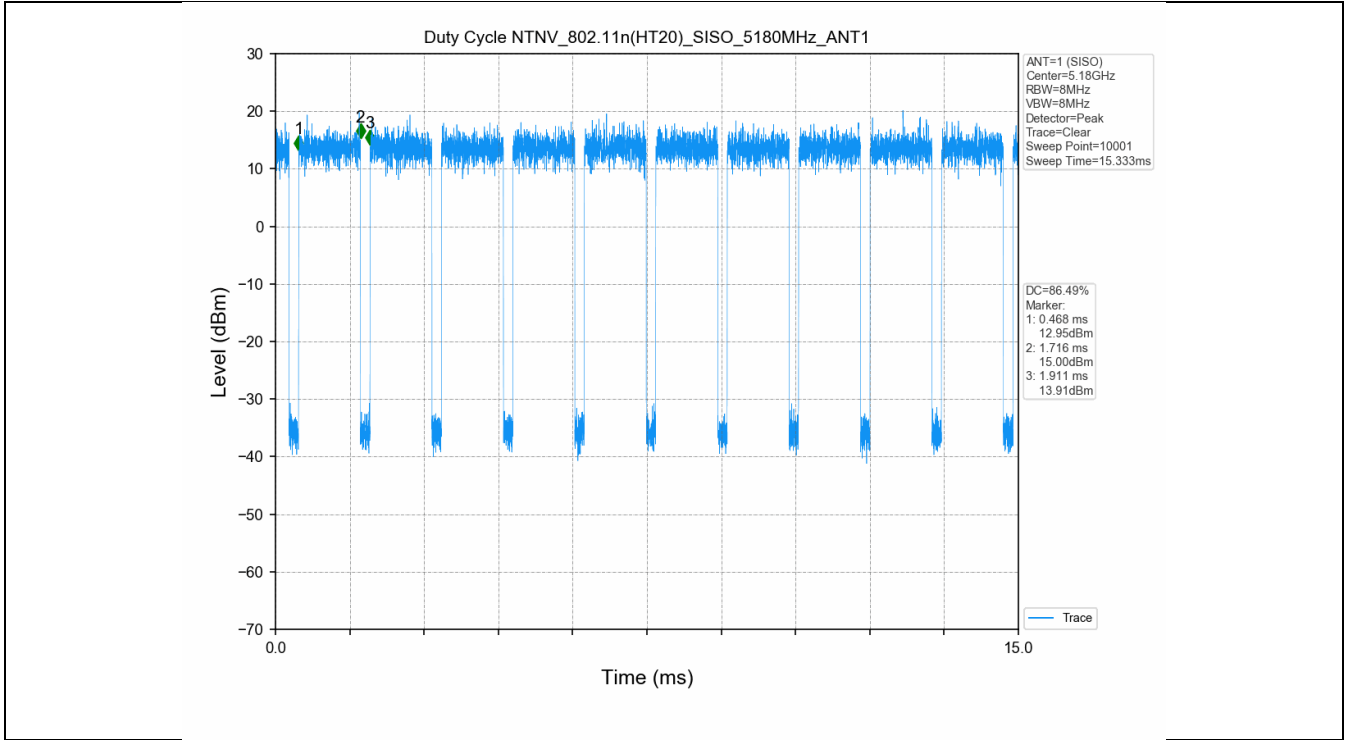
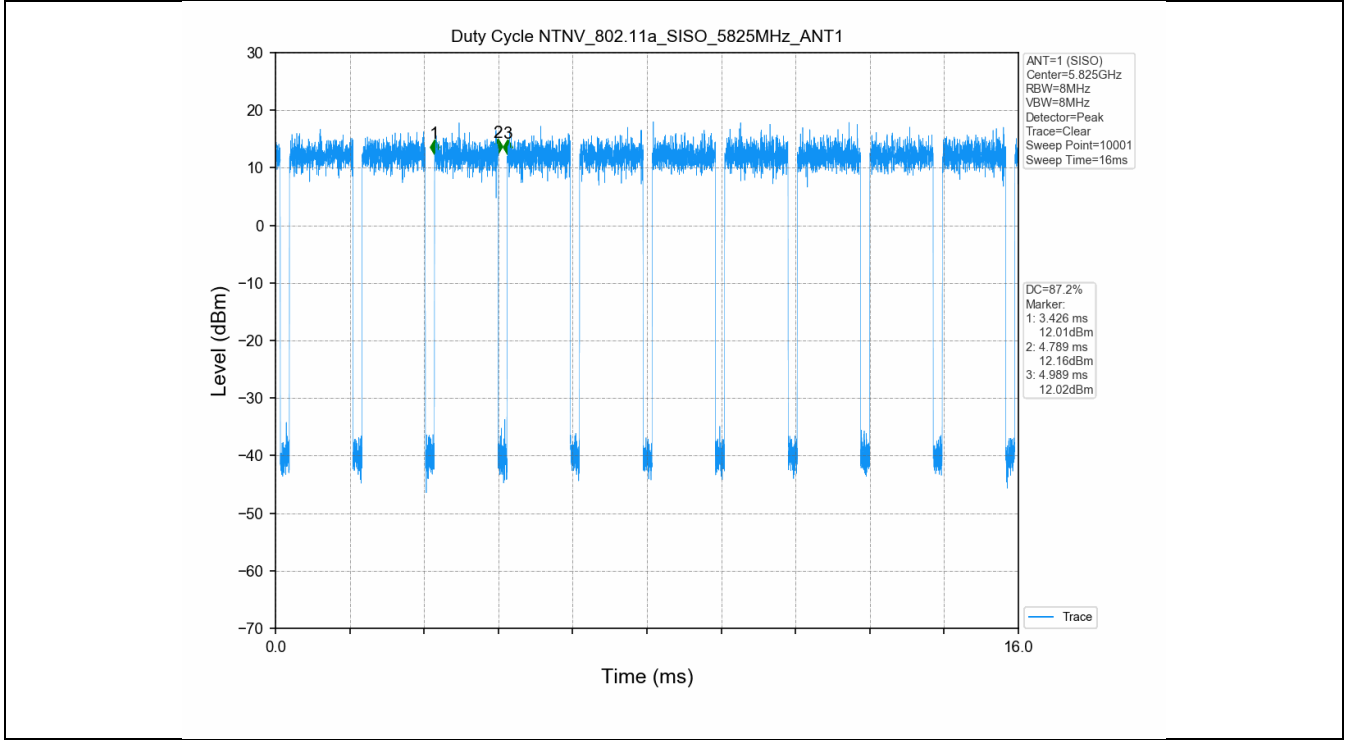
Test Mode	Channel Frequency (MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11a	5180	SISO	1	1.363	1.563	87.20	0.59
	5200	SISO	1	1.363	1.563	87.20	0.59
	5240	SISO	1	1.363	1.563	87.20	0.59
	5745	SISO	1	1.363	1.563	87.20	0.59
	5785	SISO	1	1.363	1.563	87.20	0.59
	5825	SISO	1	1.363	1.563	87.20	0.59
802.11n(HT20)	5180	SISO	1	1.248	1.443	86.49	0.63
	5200	SISO	1	1.246	1.442	86.41	0.63
	5240	SISO	1	1.248	1.441	86.61	0.62
	5745	SISO	1	1.248	1.442	86.55	0.63
	5785	SISO	1	1.248	1.443	86.49	0.63
	5825	SISO	1	1.248	1.443	86.49	0.63
802.11n(HT40)	5190	SISO	1	0.636	0.836	76.08	1.19
	5230	SISO	1	0.636	0.836	76.08	1.19
	5755	SISO	1	0.636	0.836	76.08	1.19
	5795	SISO	1	0.613	0.805	76.15	1.18

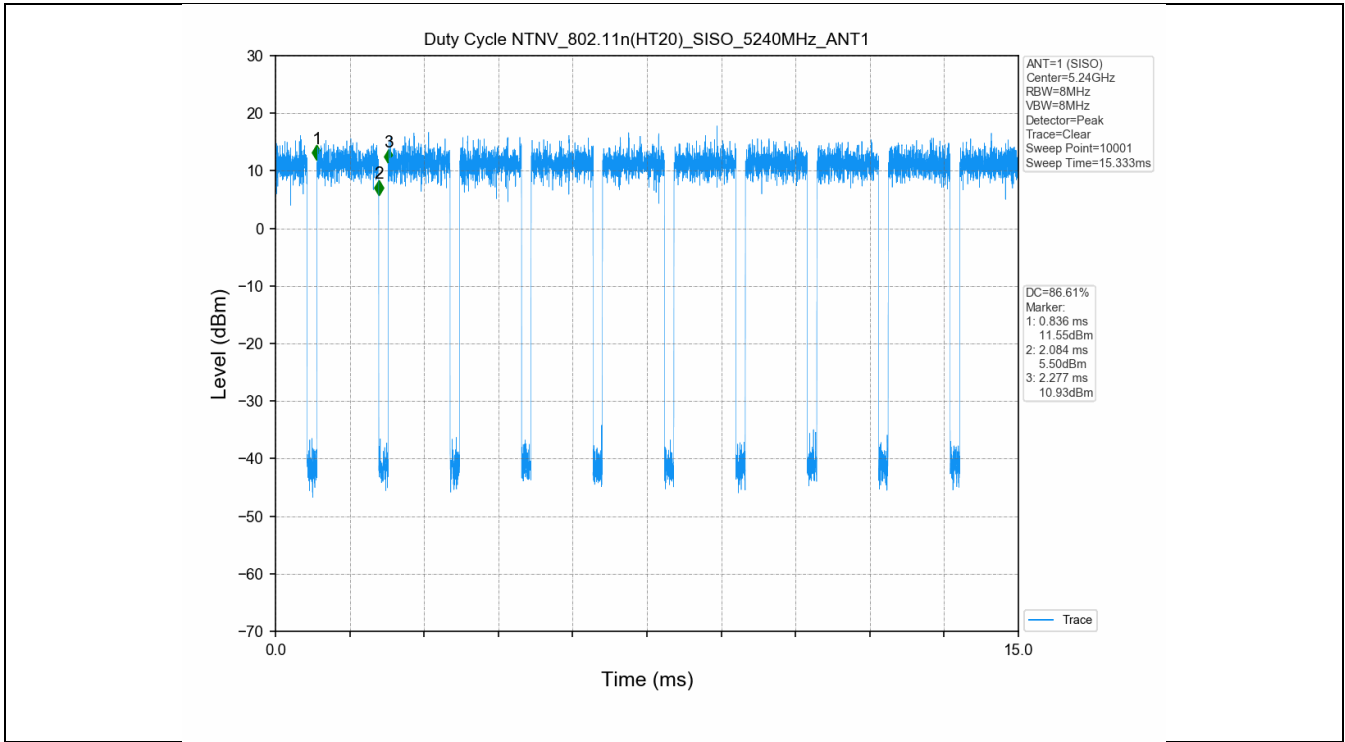
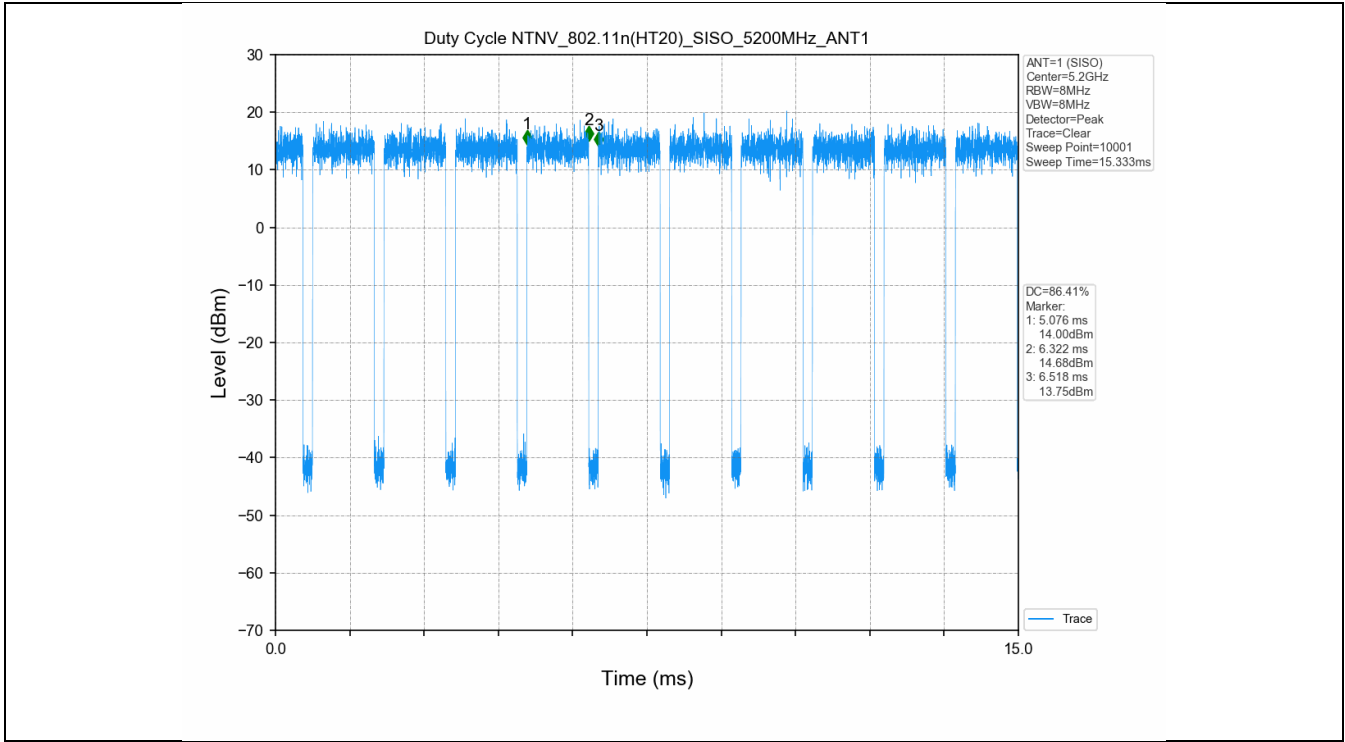
#### 1.2 Test Graph

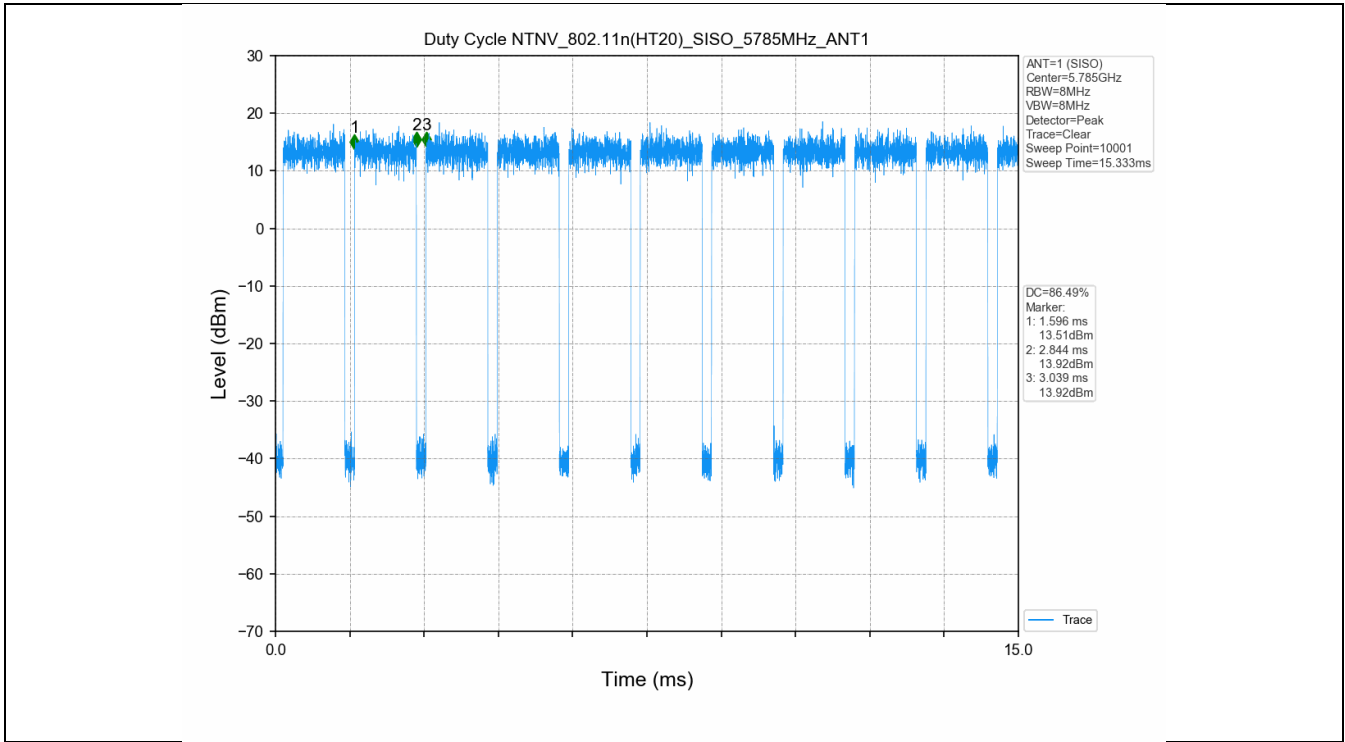
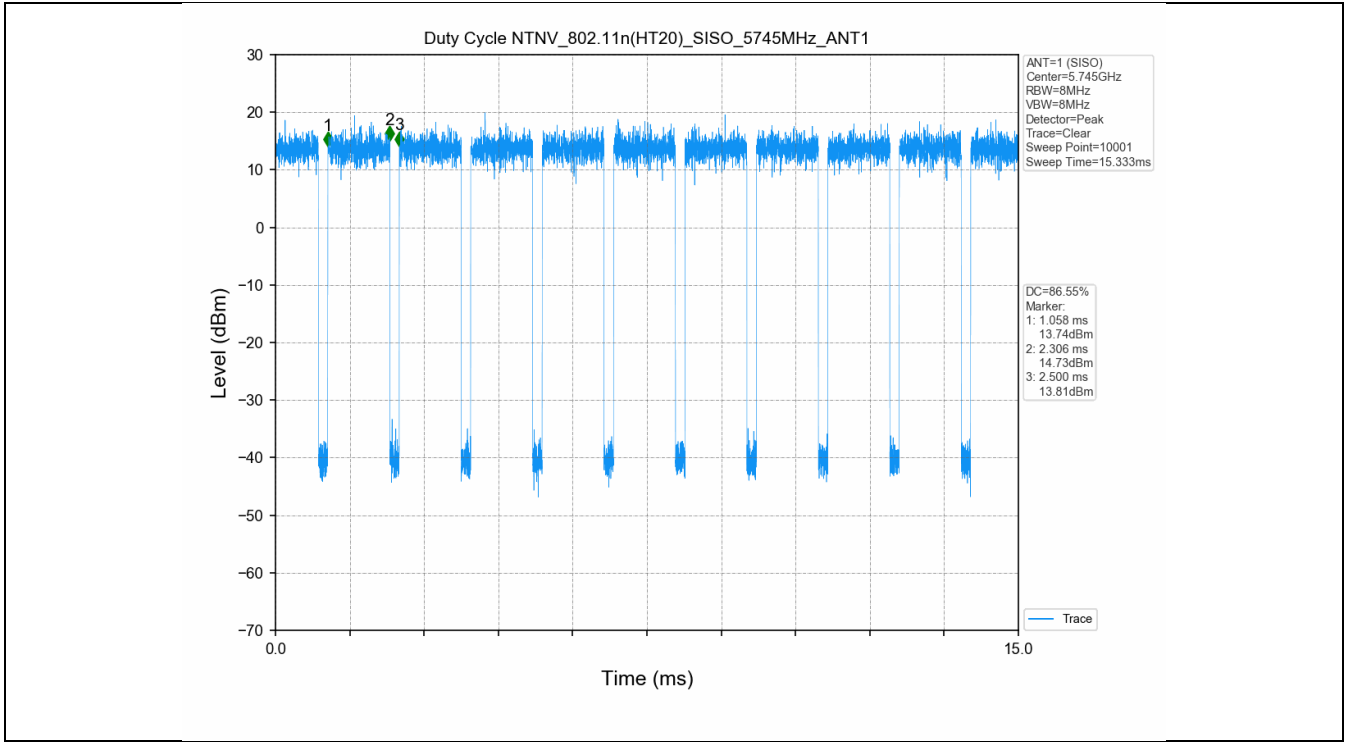


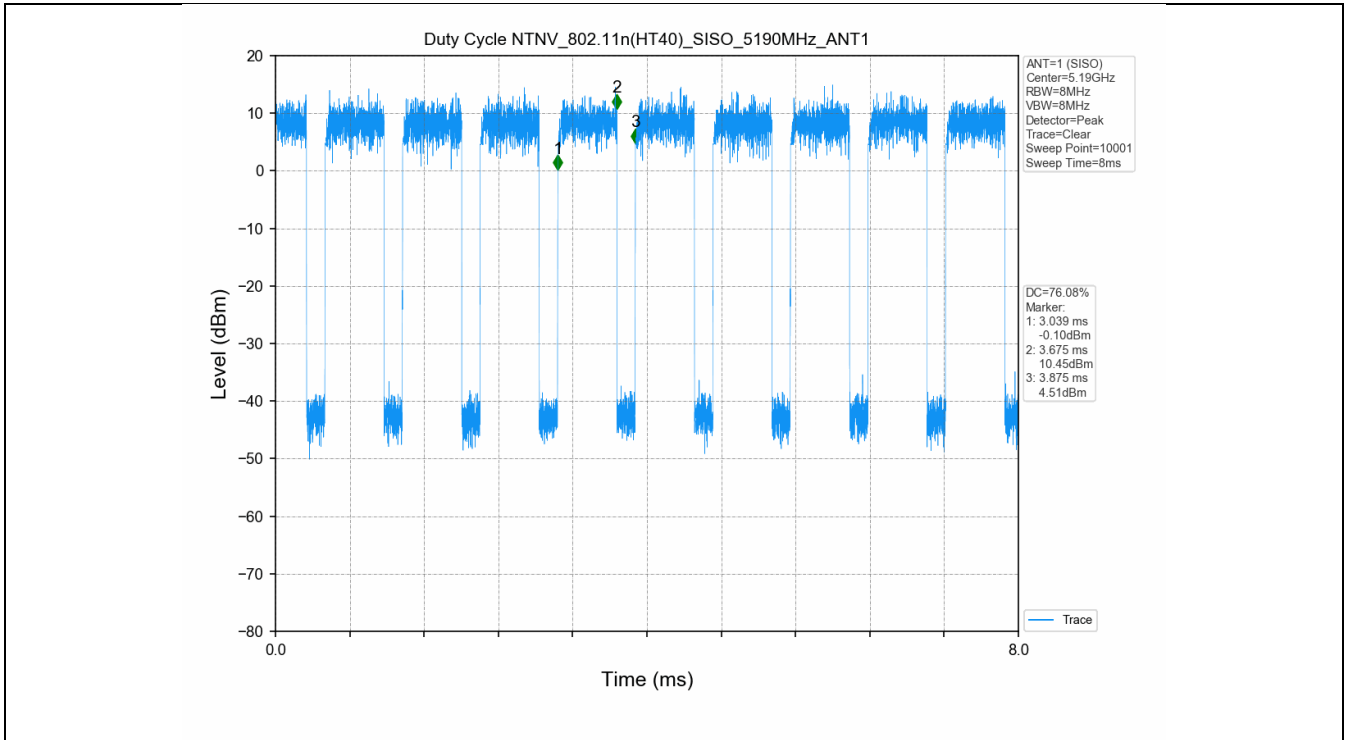
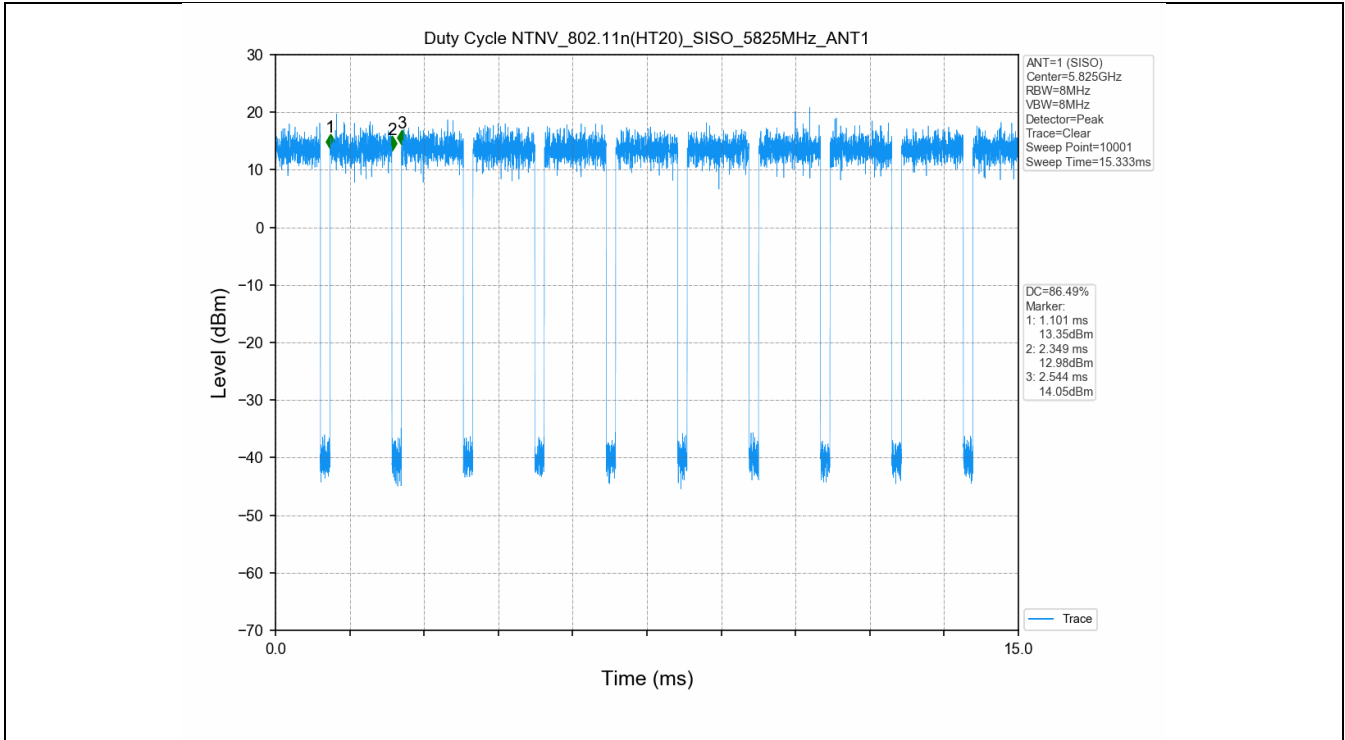


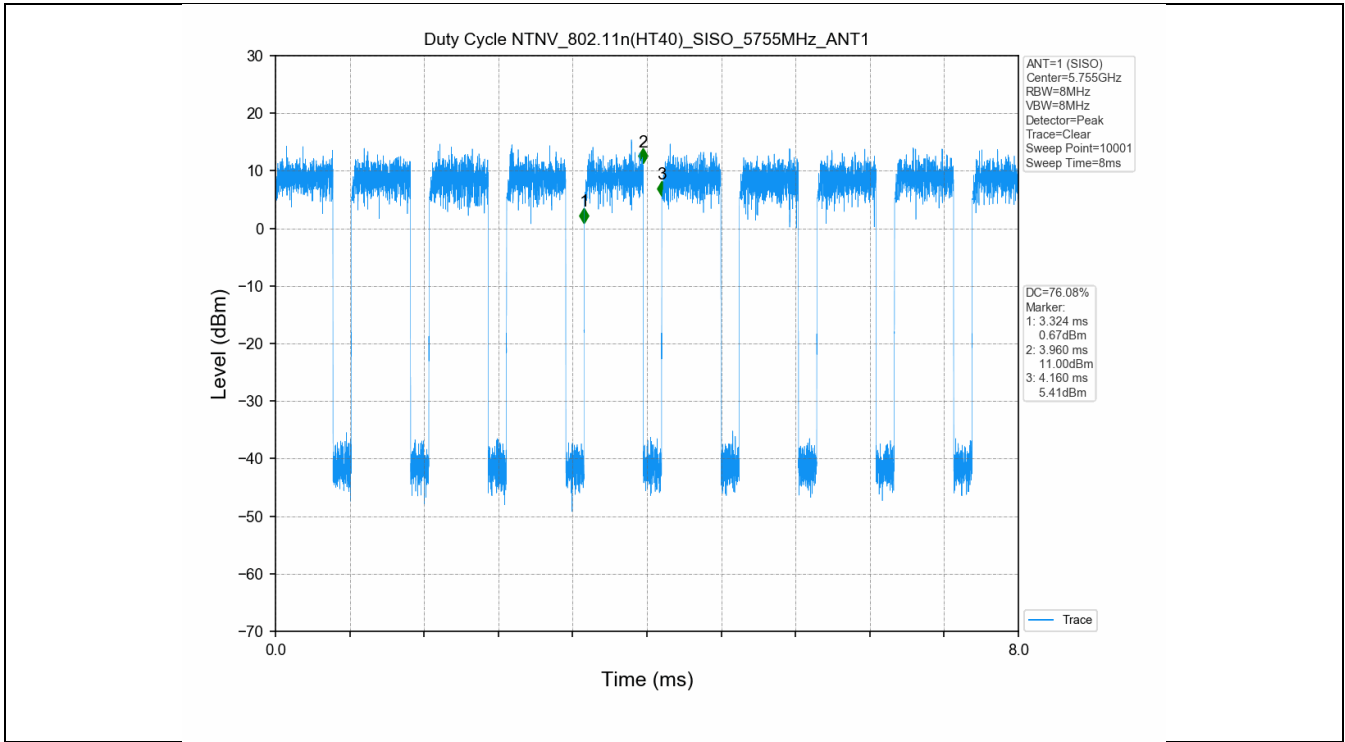
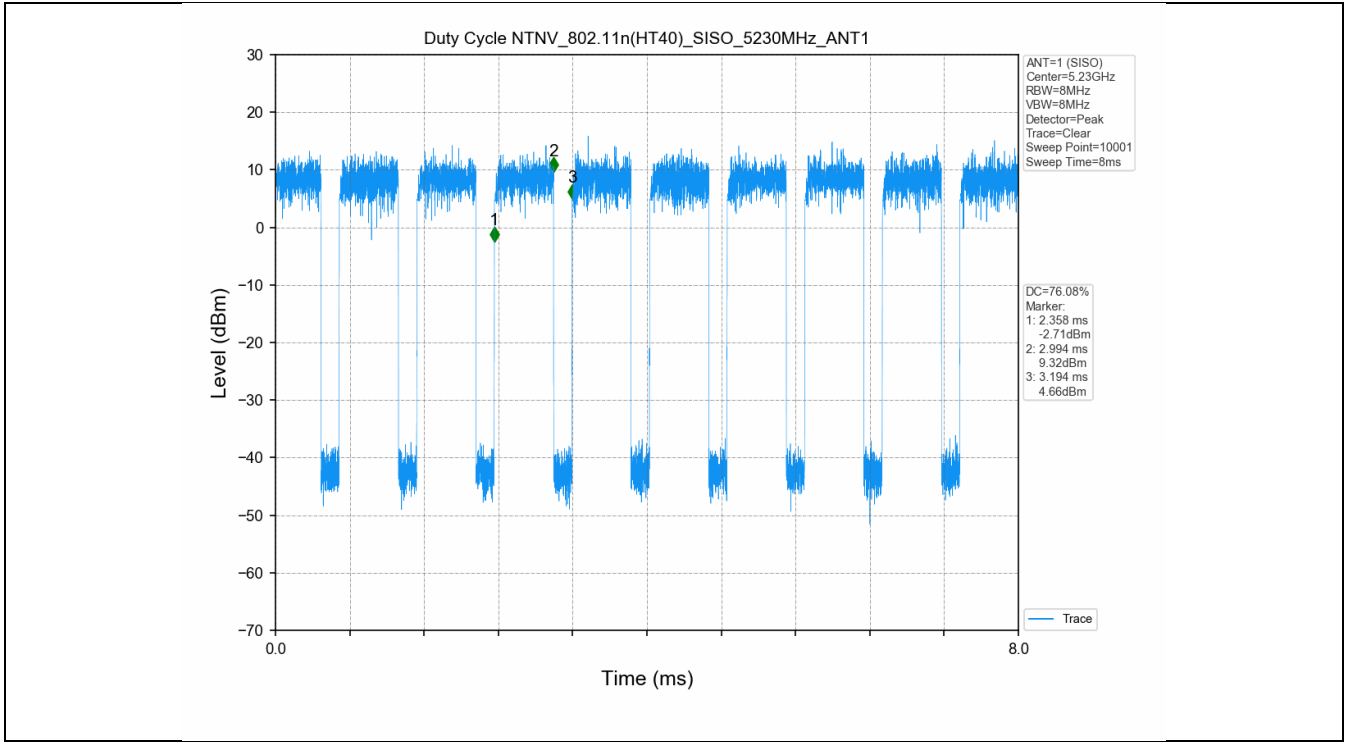




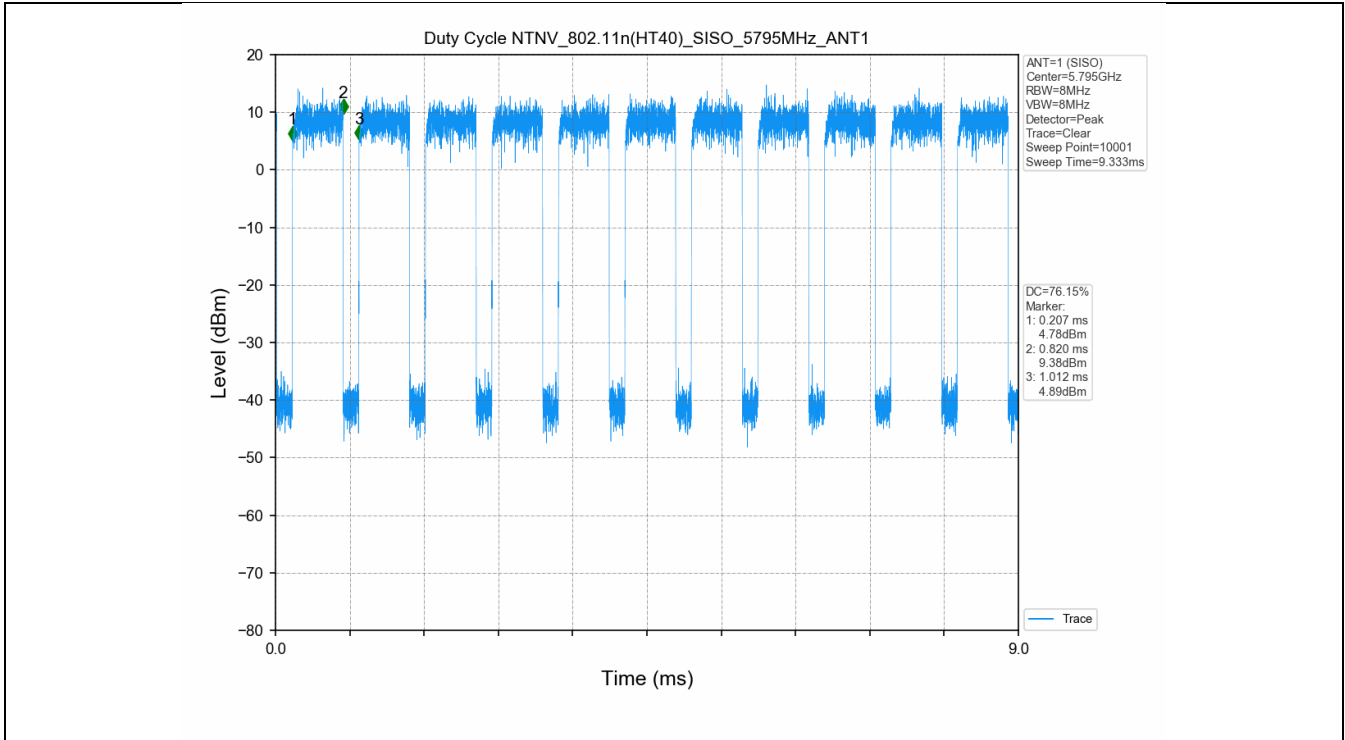












## 2. Bandwidth

### 2.1 Test Result

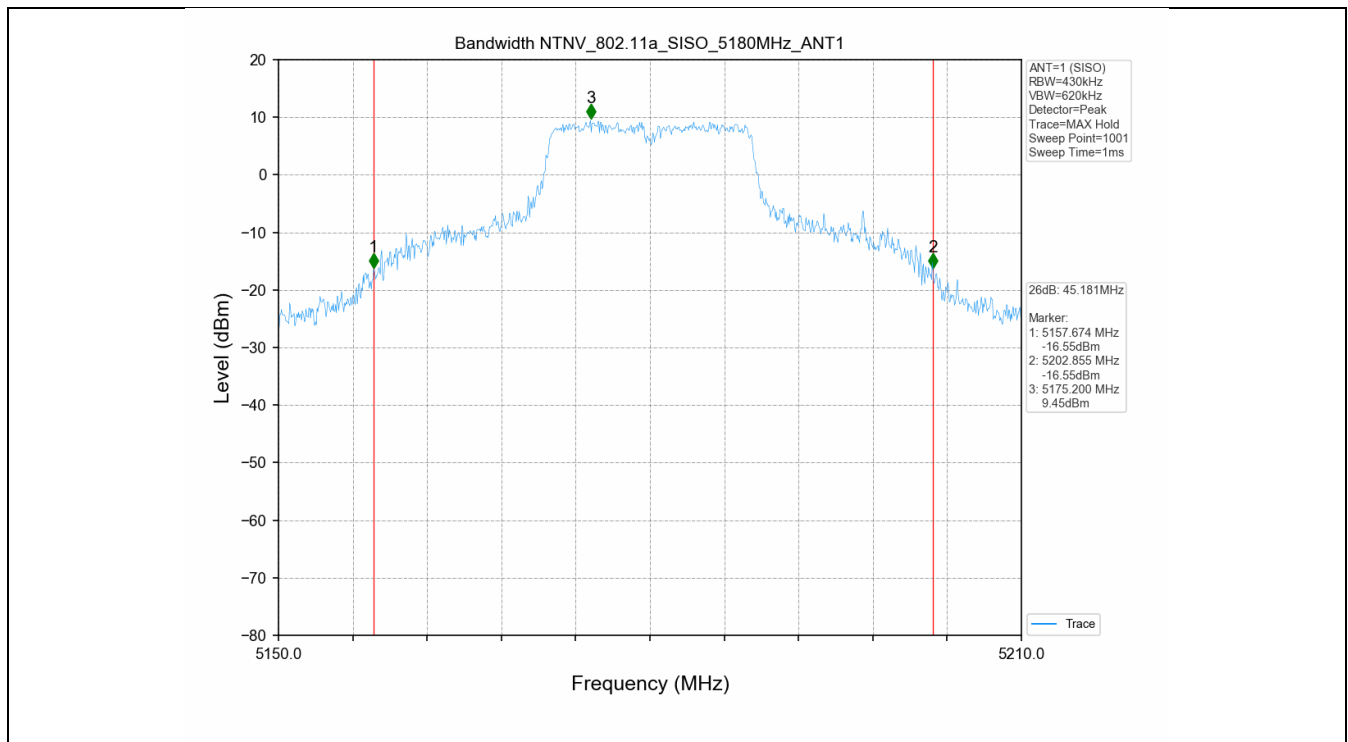
Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11a	5180	SISO	1	45.181	Only for Report Use	PASS
	5200	SISO	1	46.414	Only for Report Use	PASS
	5240	SISO	1	37.381	Only for Report Use	PASS
802.11n(HT20)	5180	SISO	1	24.266	Only for Report Use	PASS
	5200	SISO	1	30.667	Only for Report Use	PASS
	5240	SISO	1	21.733	Only for Report Use	PASS
802.11n(HT40)	5190	SISO	1	43.057	Only for Report Use	PASS
	5230	SISO	1	42.240	Only for Report Use	PASS

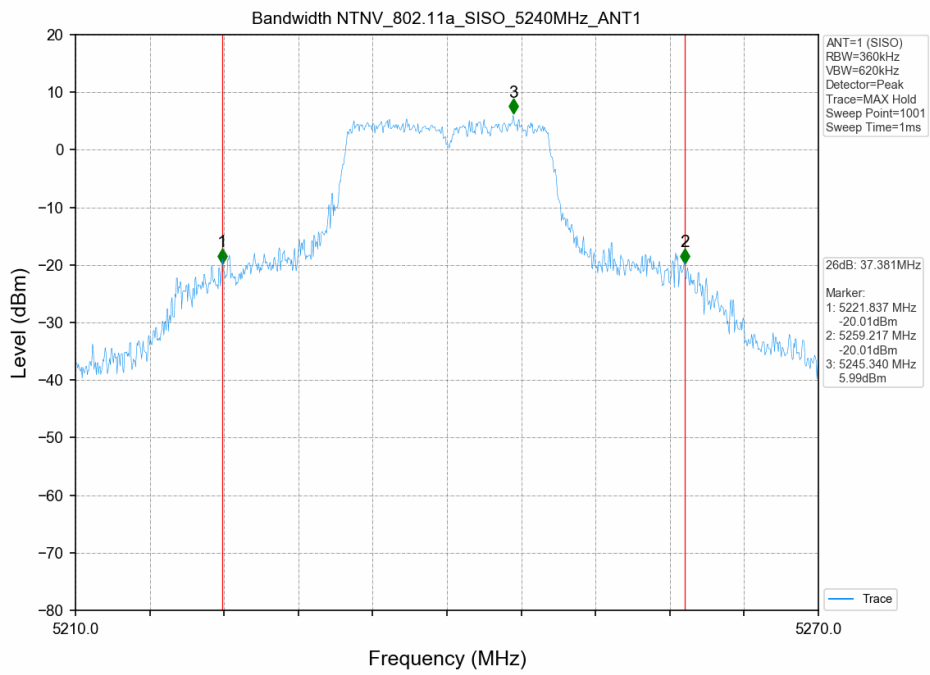
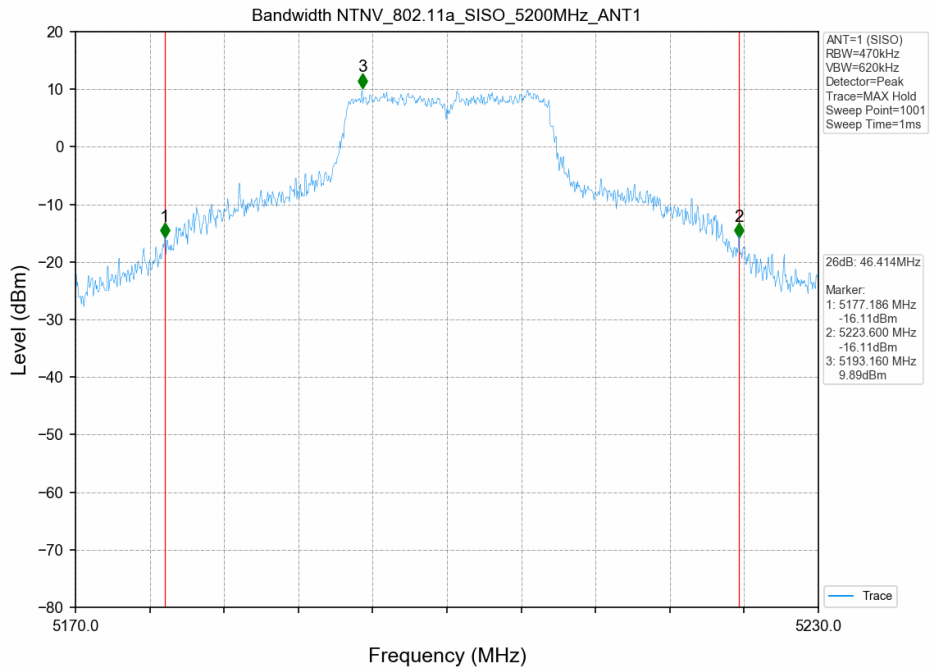
Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11a	5745	SISO	1	16.427	≥0.5	PASS
	5785	SISO	1	16.425	≥0.5	PASS
	5825	SISO	1	16.450	≥0.5	PASS
802.11n(HT20)	5745	SISO	1	17.647	≥0.5	PASS
	5785	SISO	1	17.630	≥0.5	PASS
	5825	SISO	1	17.632	≥0.5	PASS
802.11n(HT40)	5755	SISO	1	35.229	≥0.5	PASS
	5795	SISO	1	35.332	≥0.5	PASS

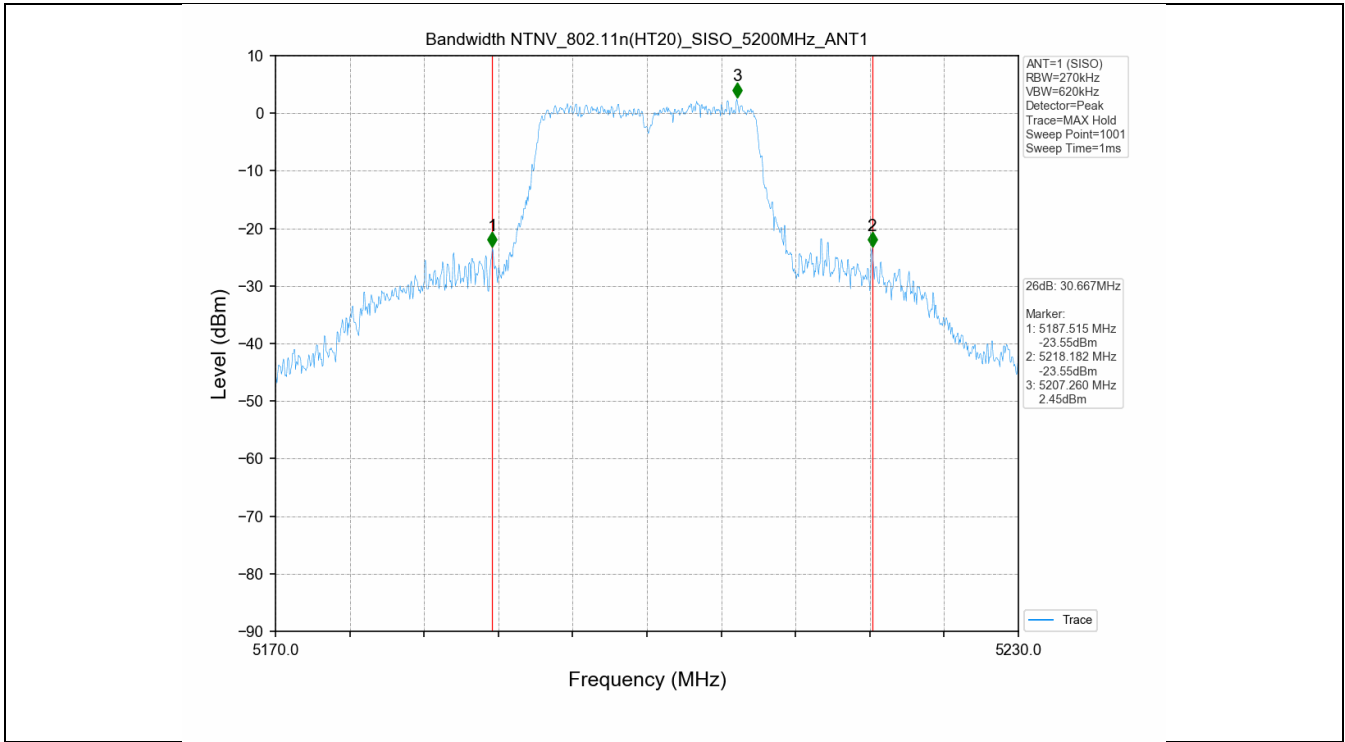
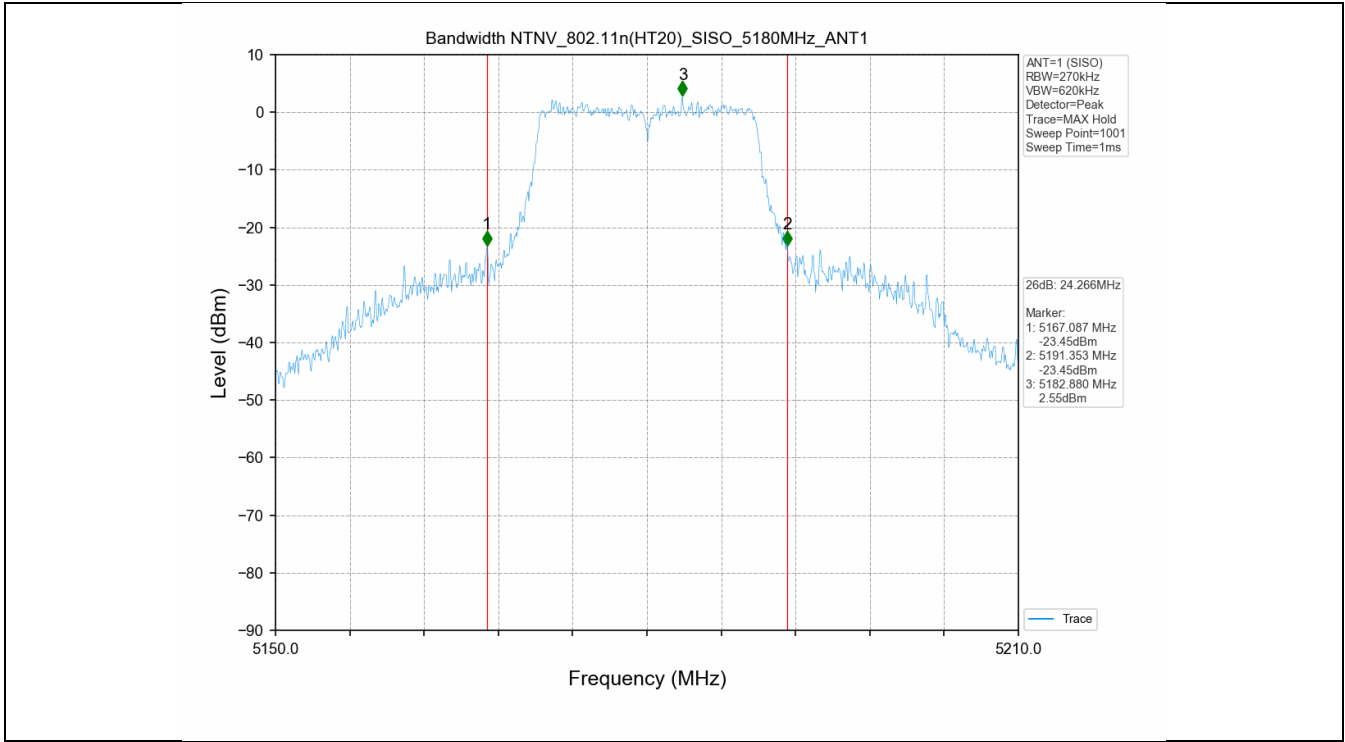
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	

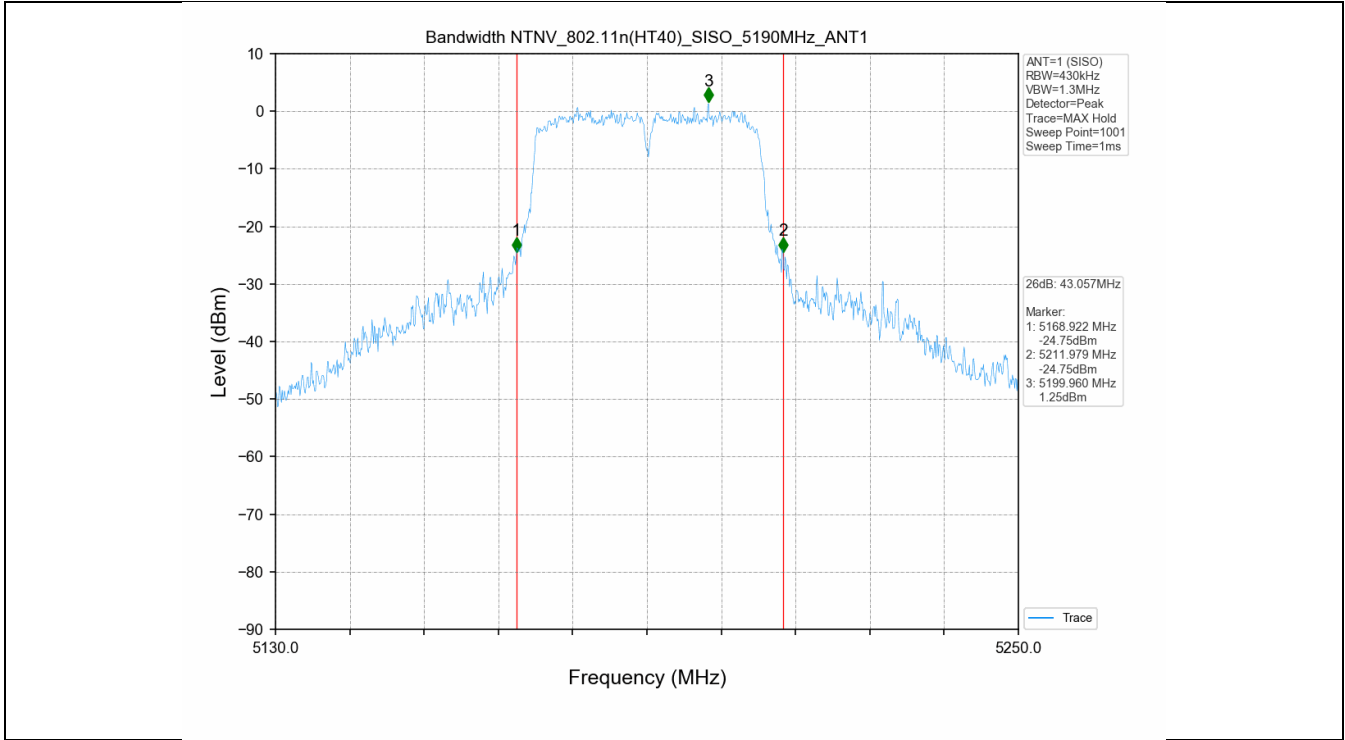
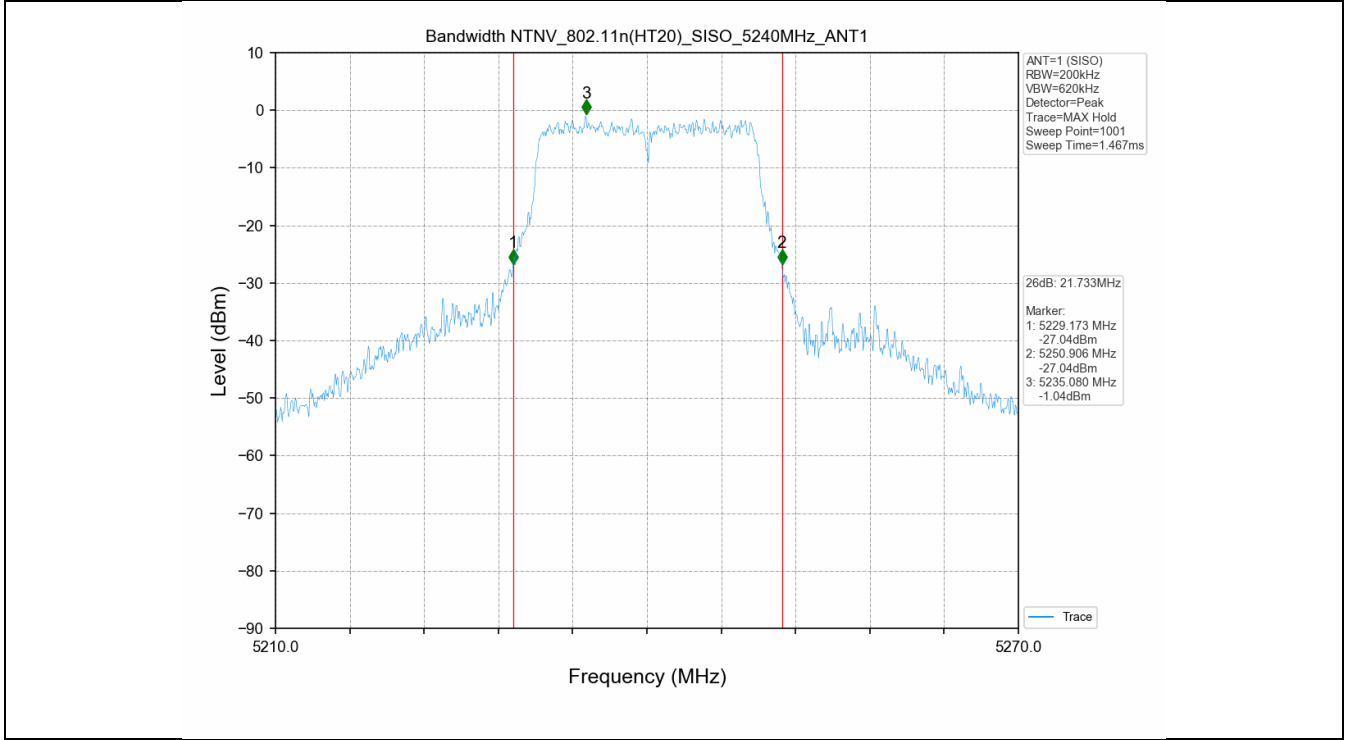
802.11a	5180	SISO	1	28.396	Only for Report Use
	5200	SISO	1	29.640	Only for Report Use
	5240	SISO	1	17.760	Only for Report Use
	5745	SISO	1	17.294	Only for Report Use
	5785	SISO	1	17.237	Only for Report Use
	5825	SISO	1	17.176	Only for Report Use
802.11n(HT20)	5180	SISO	1	18.095	Only for Report Use
	5200	SISO	1	18.172	Only for Report Use
	5240	SISO	1	18.036	Only for Report Use
	5745	SISO	1	18.542	Only for Report Use
	5785	SISO	1	18.602	Only for Report Use
	5825	SISO	1	18.470	Only for Report Use
802.11n(HT40)	5190	SISO	1	36.735	Only for Report Use
	5230	SISO	1	36.640	Only for Report Use
	5755	SISO	1	36.848	Only for Report Use
	5795	SISO	1	37.049	Only for Report Use

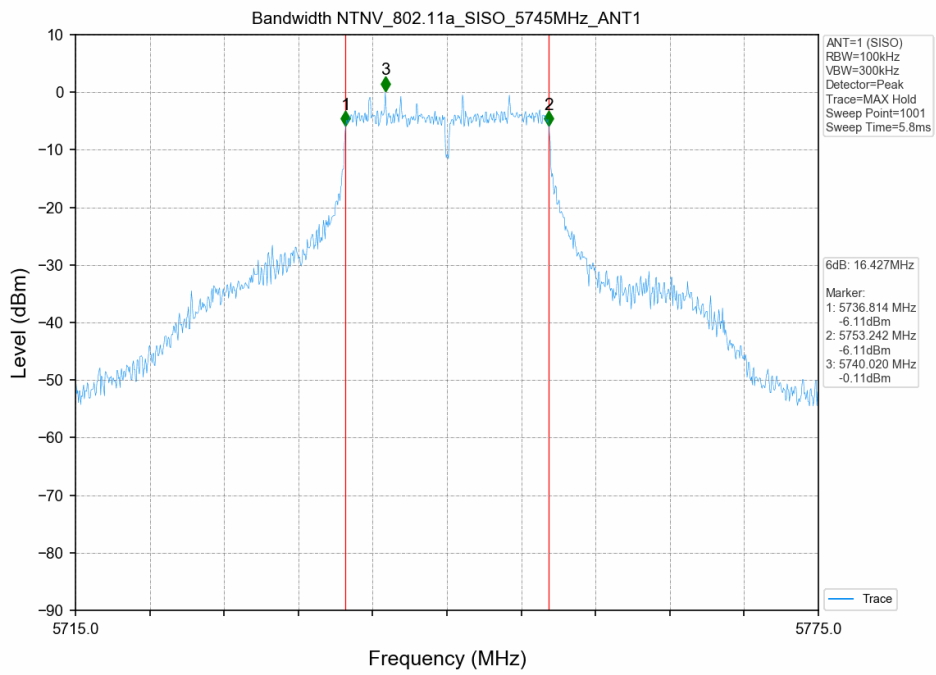
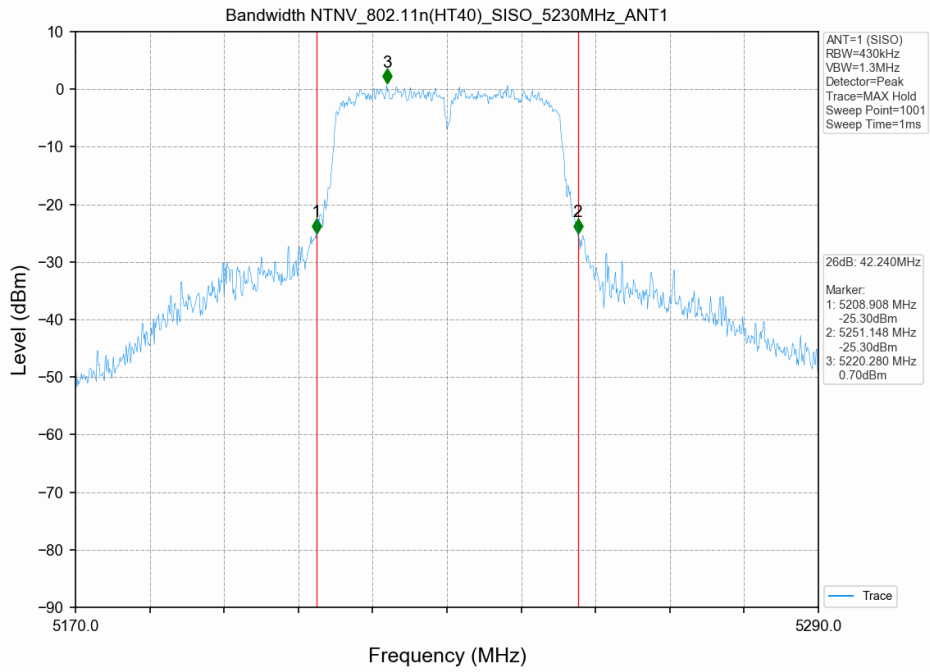
## 2.2 Test Graph - Emission Bandwidth

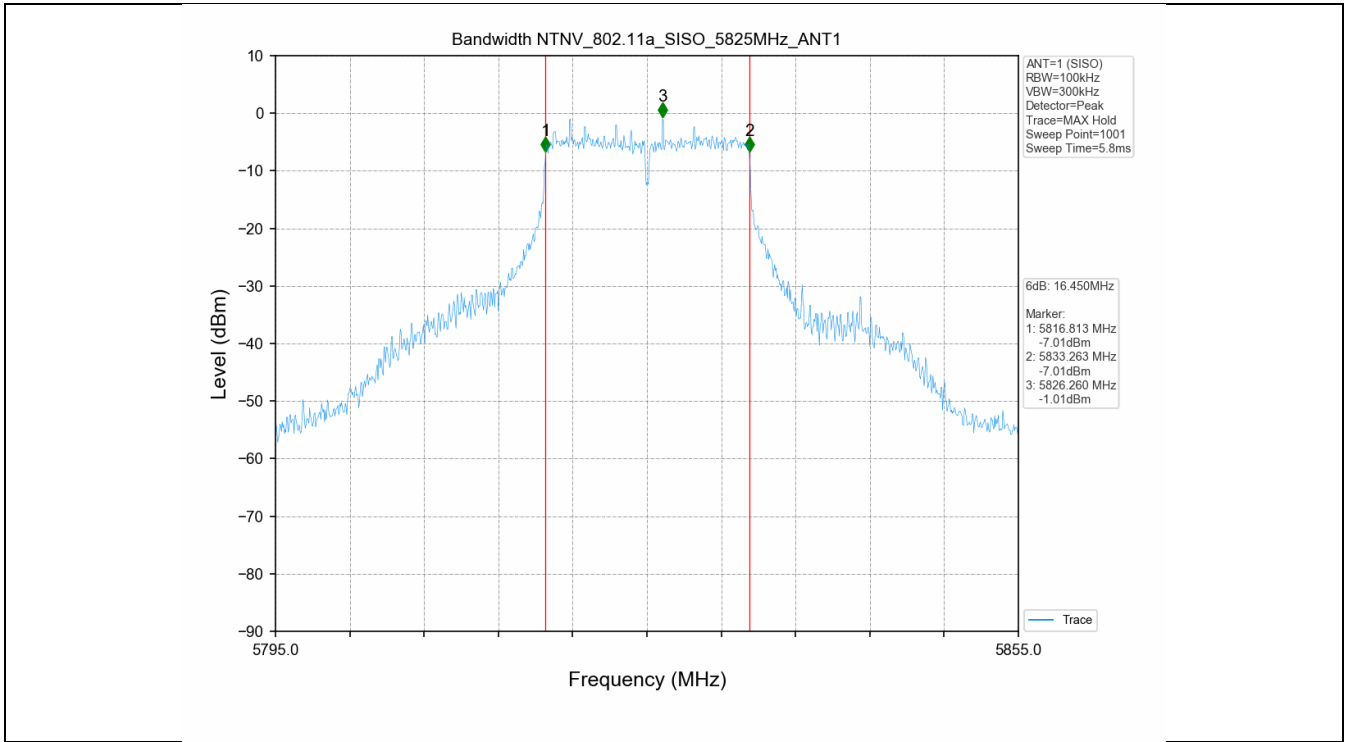
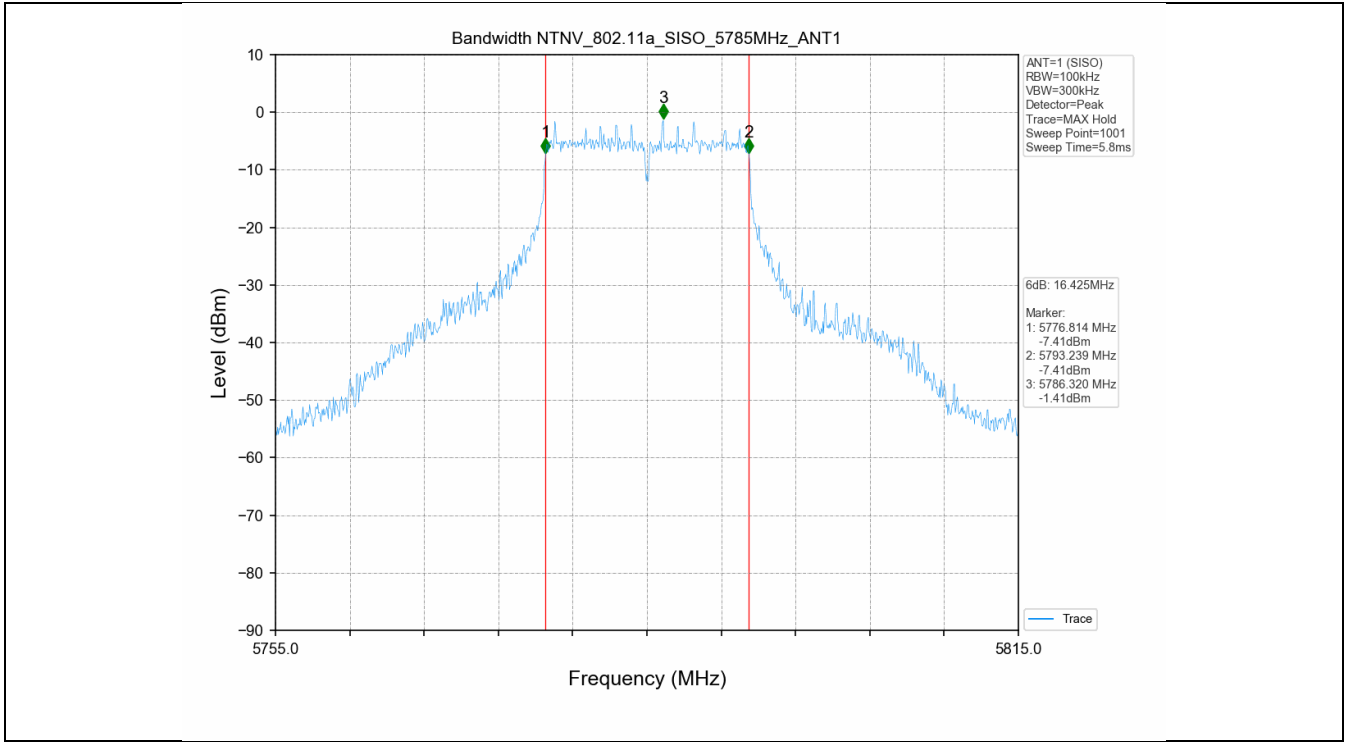


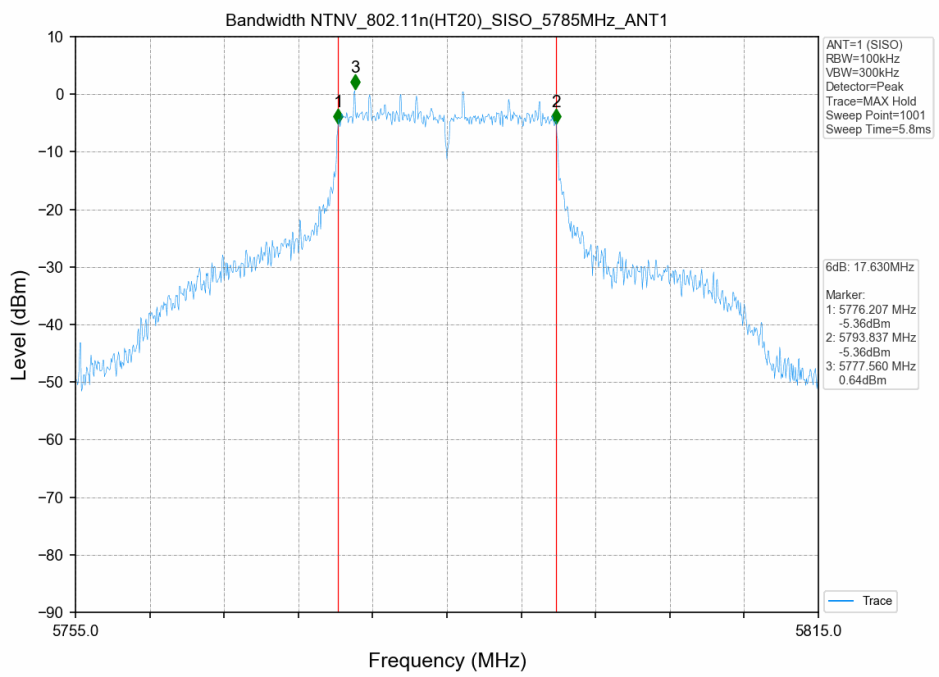
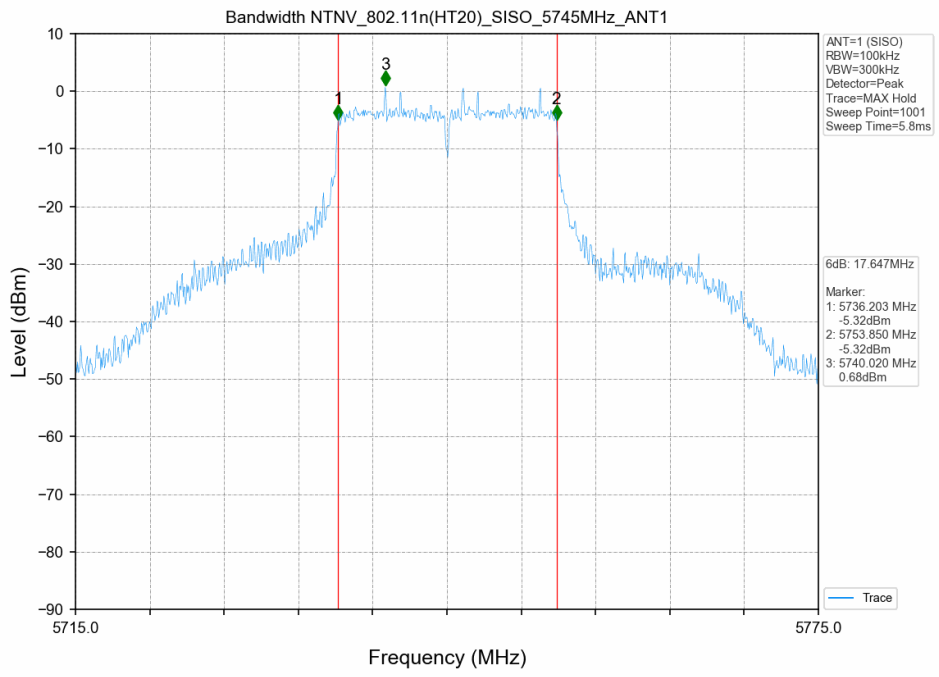




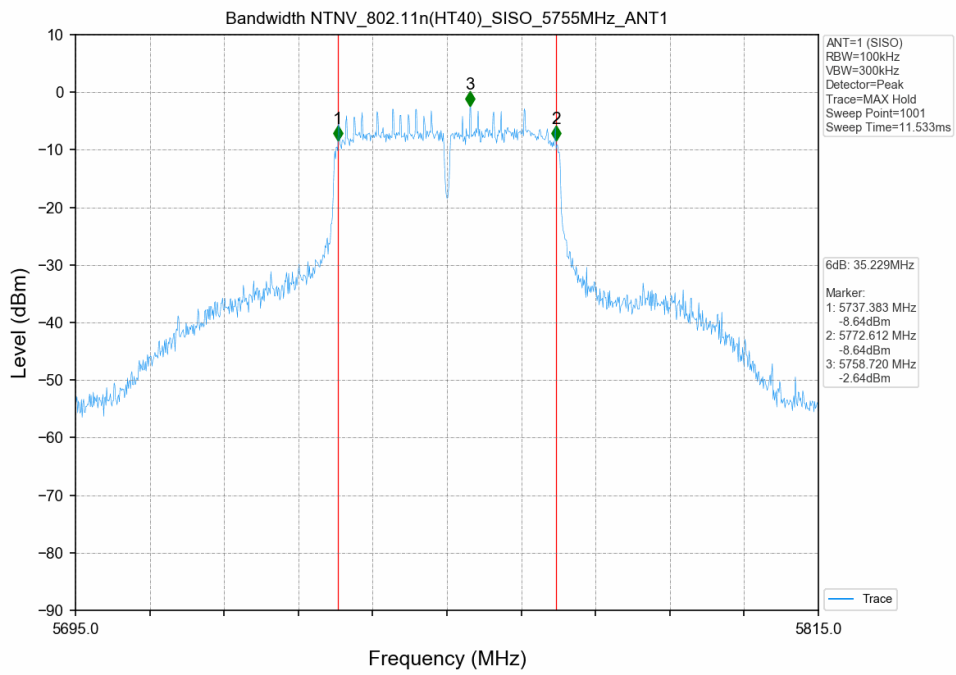
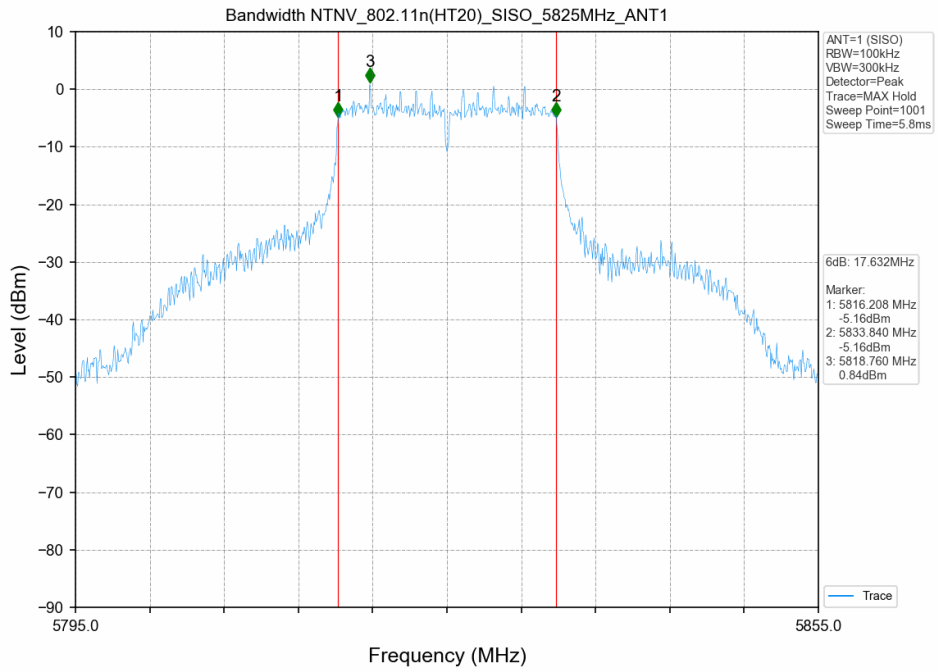


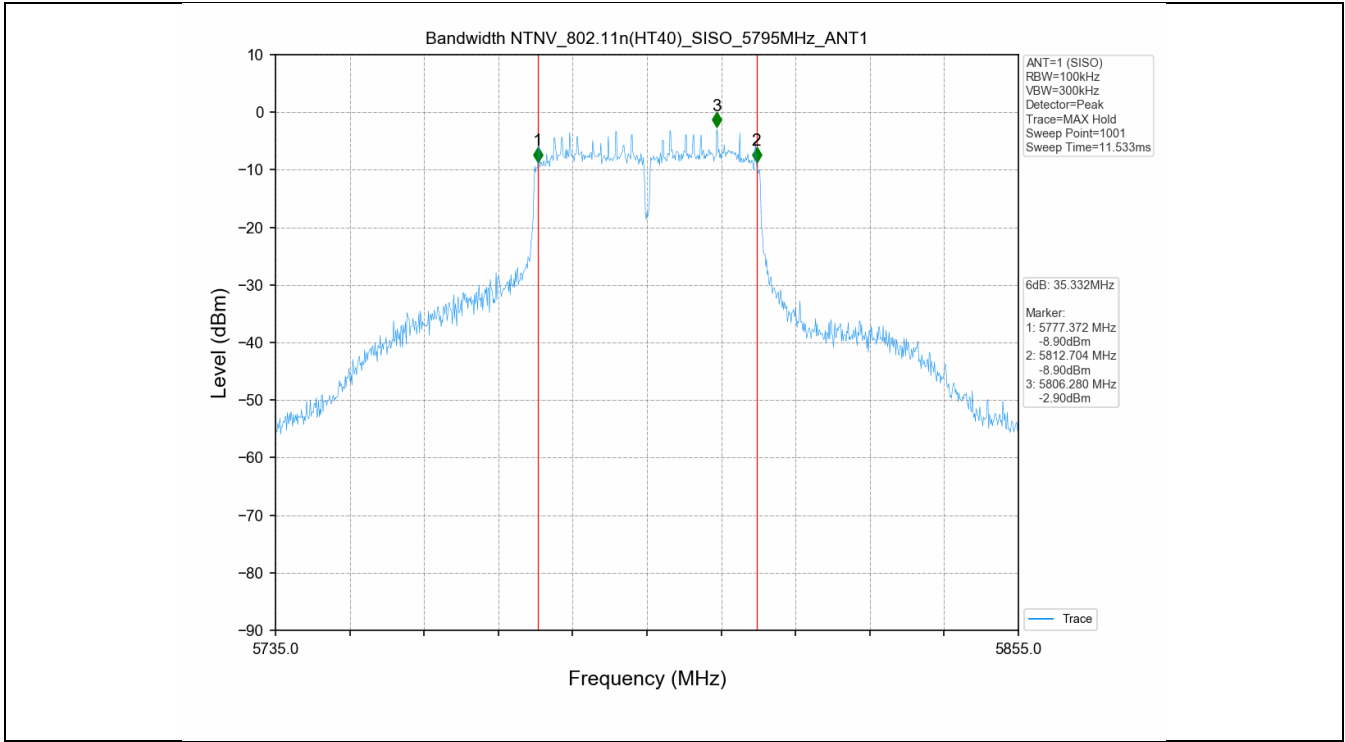




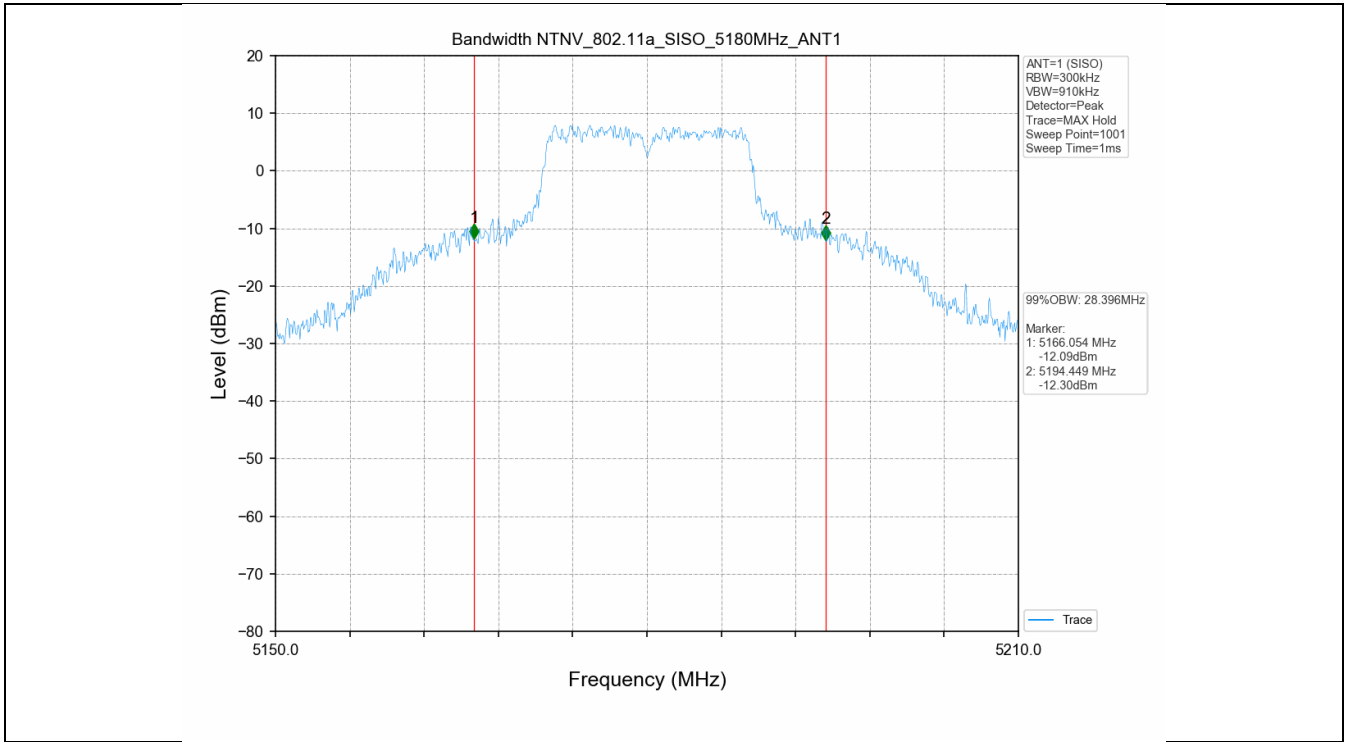


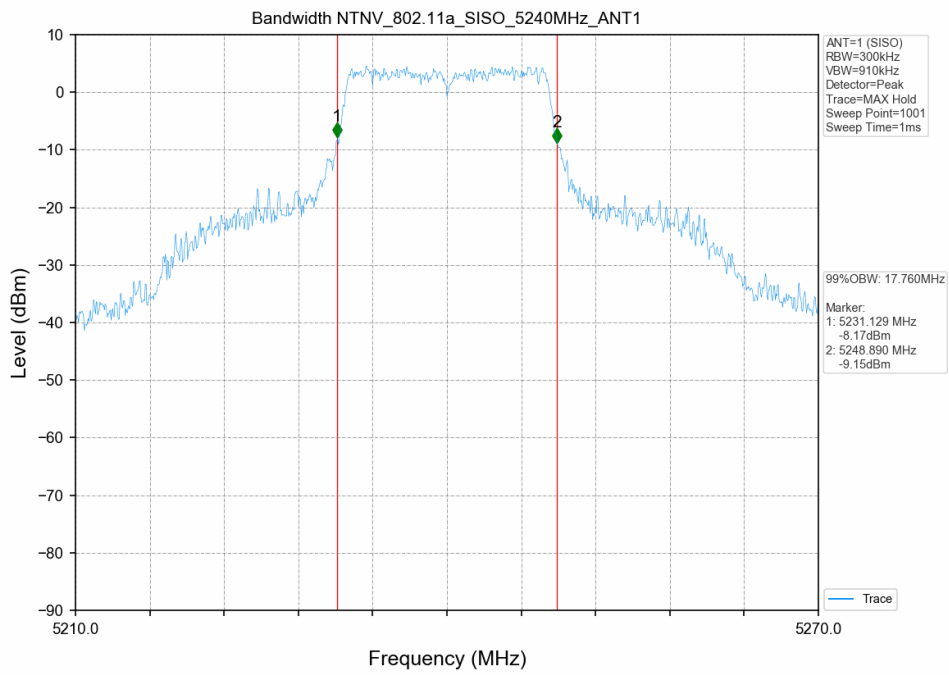
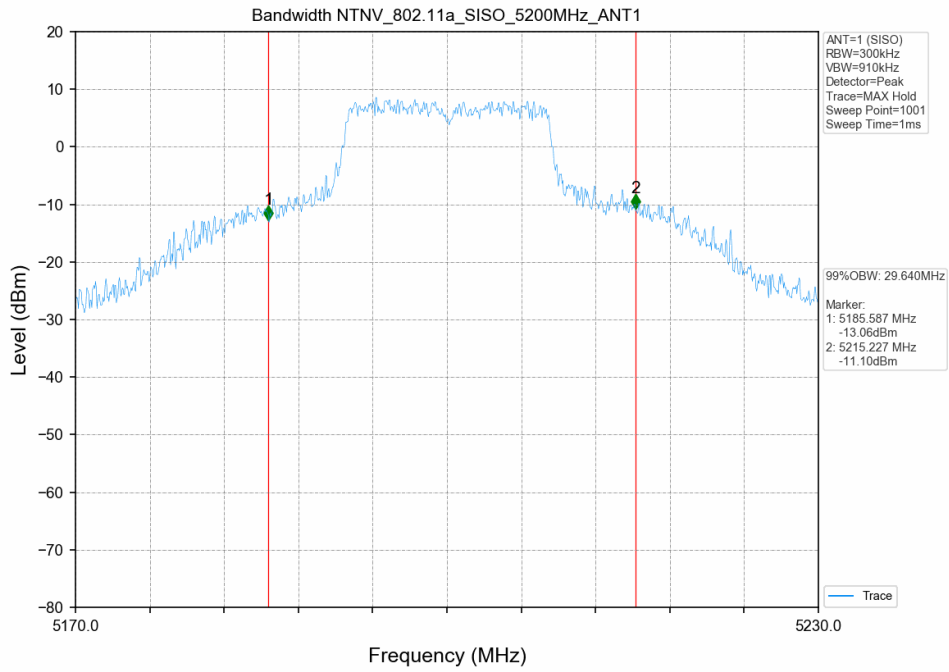


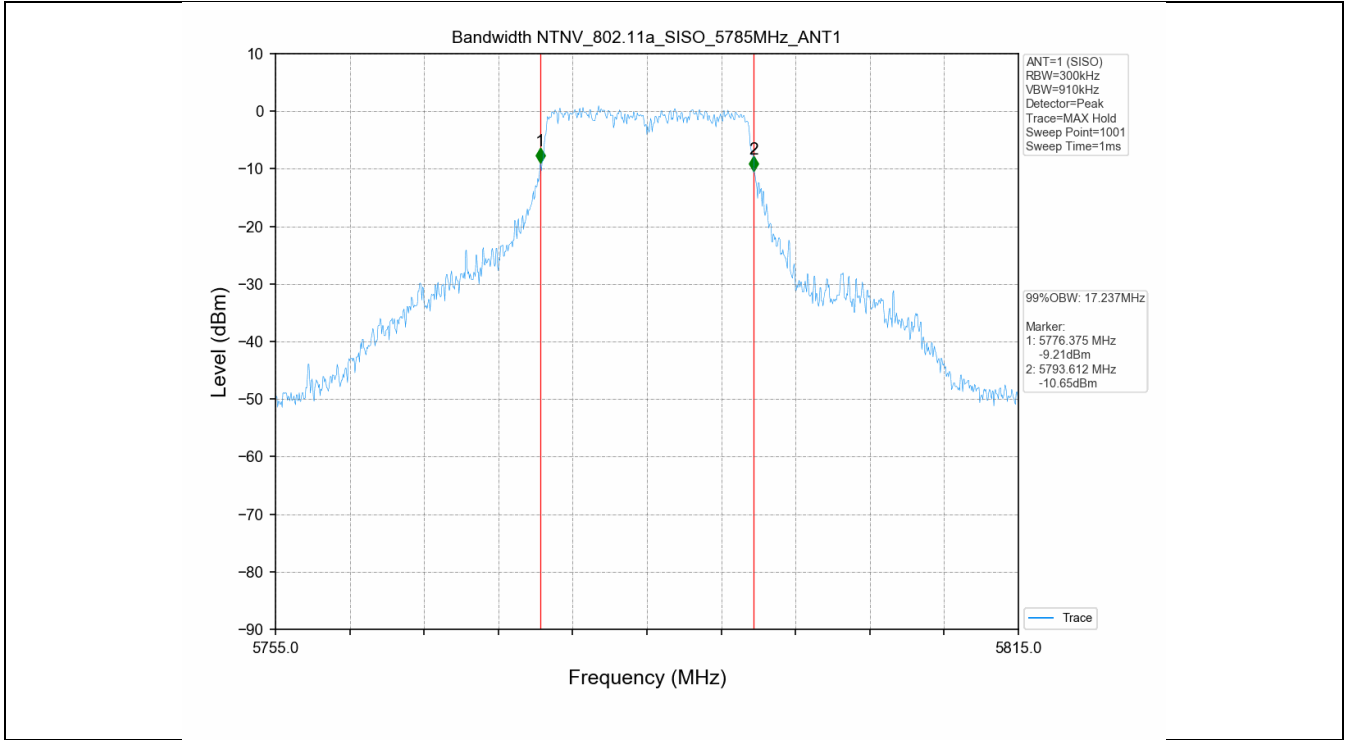
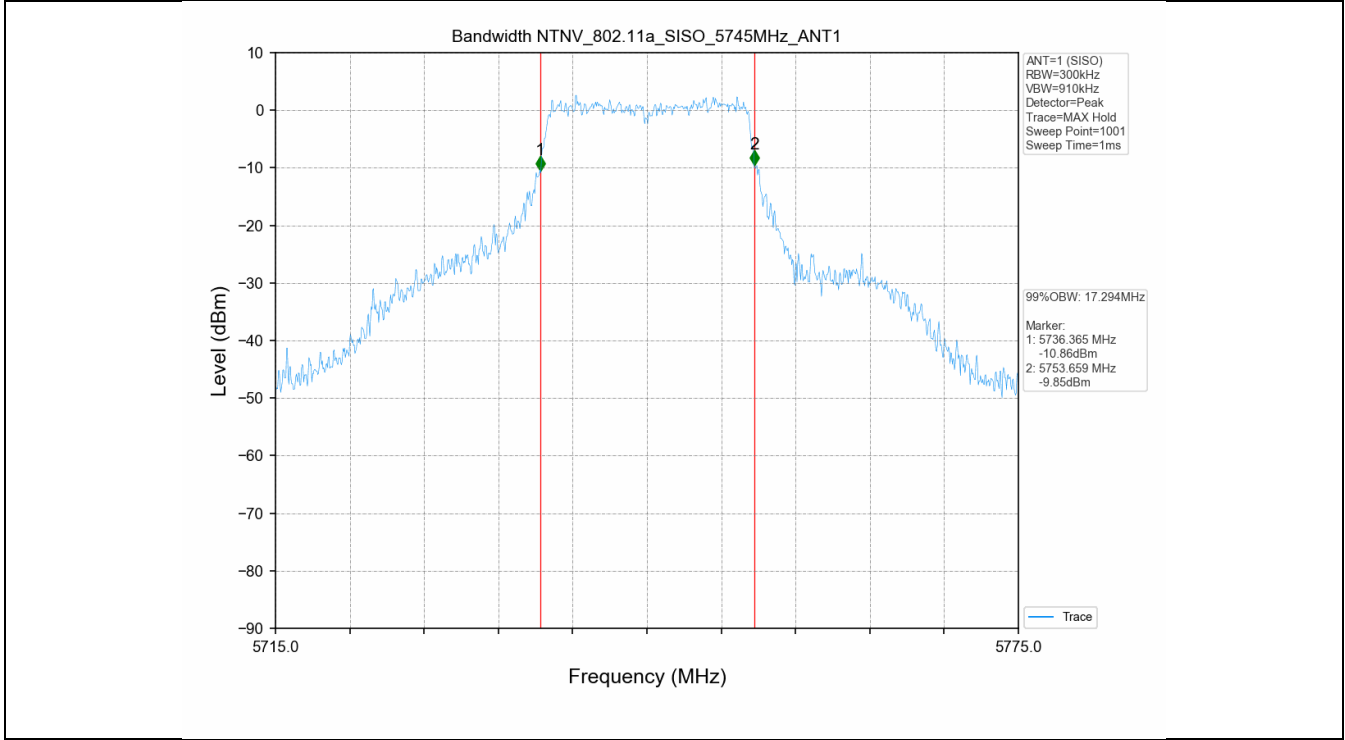


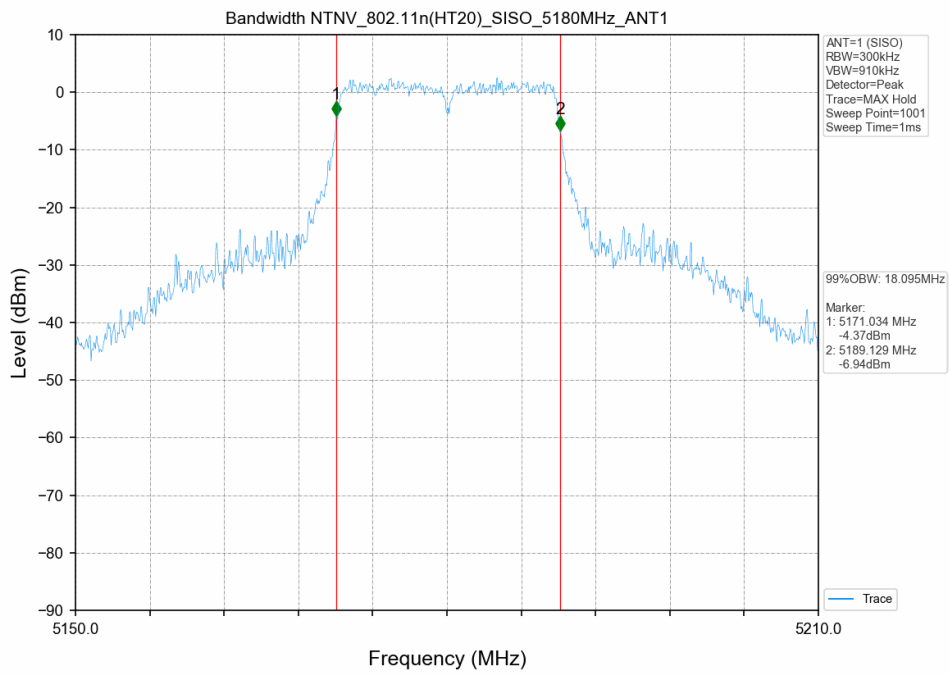
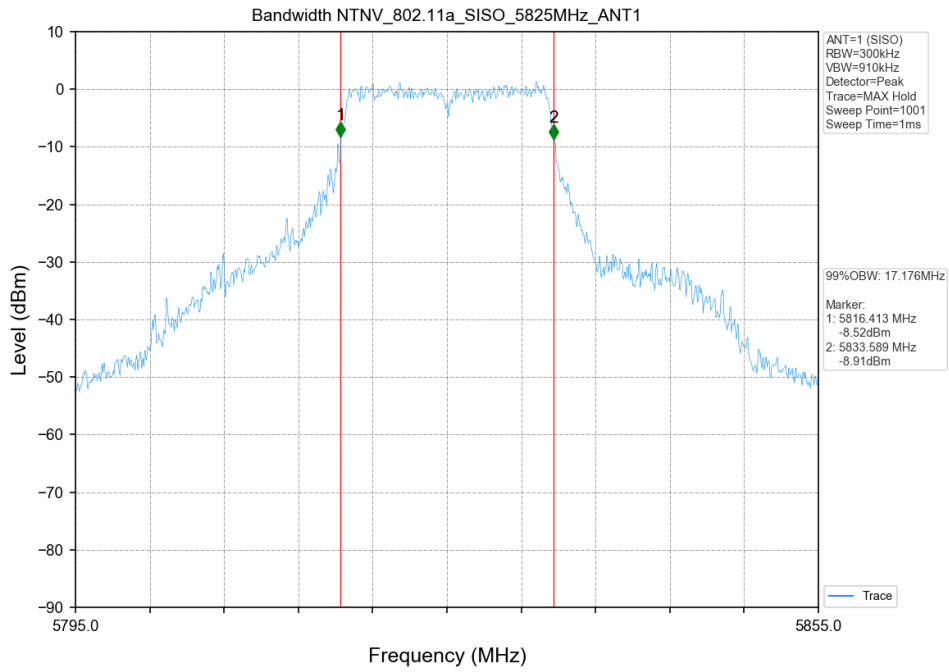


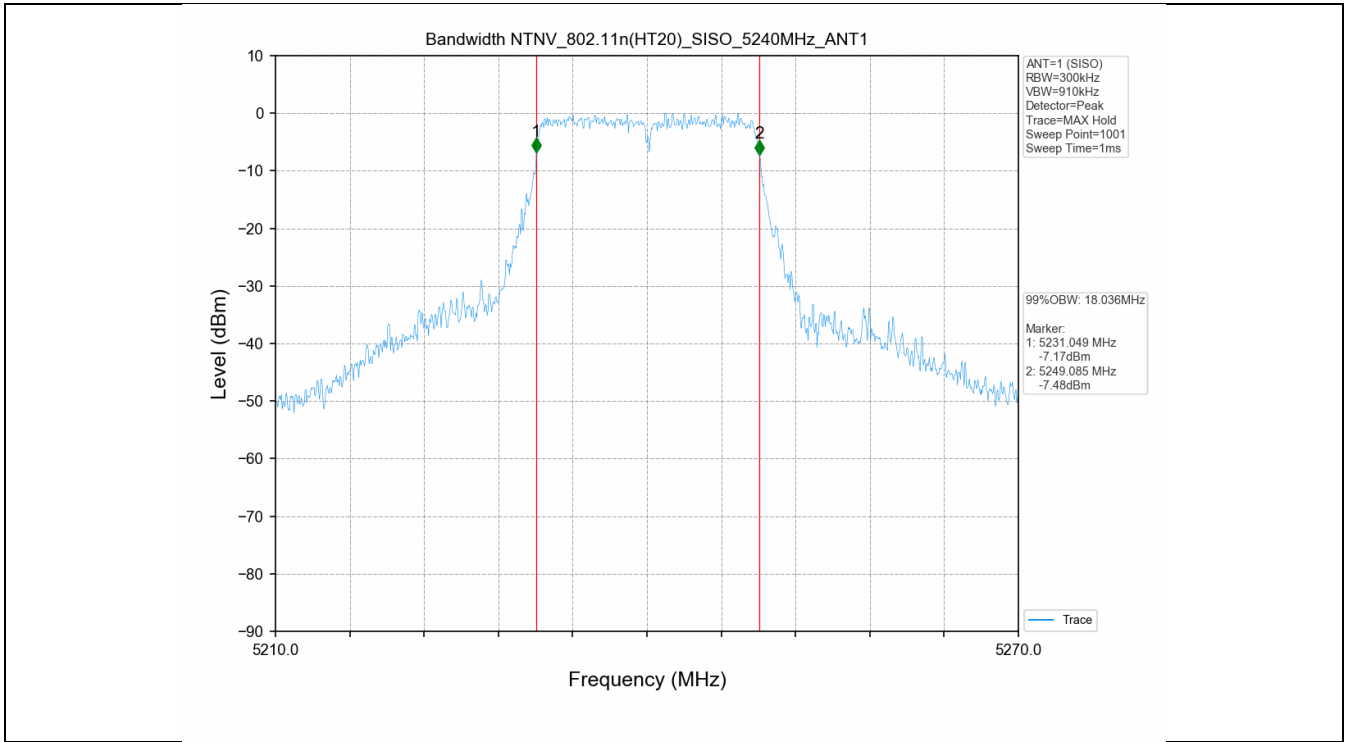
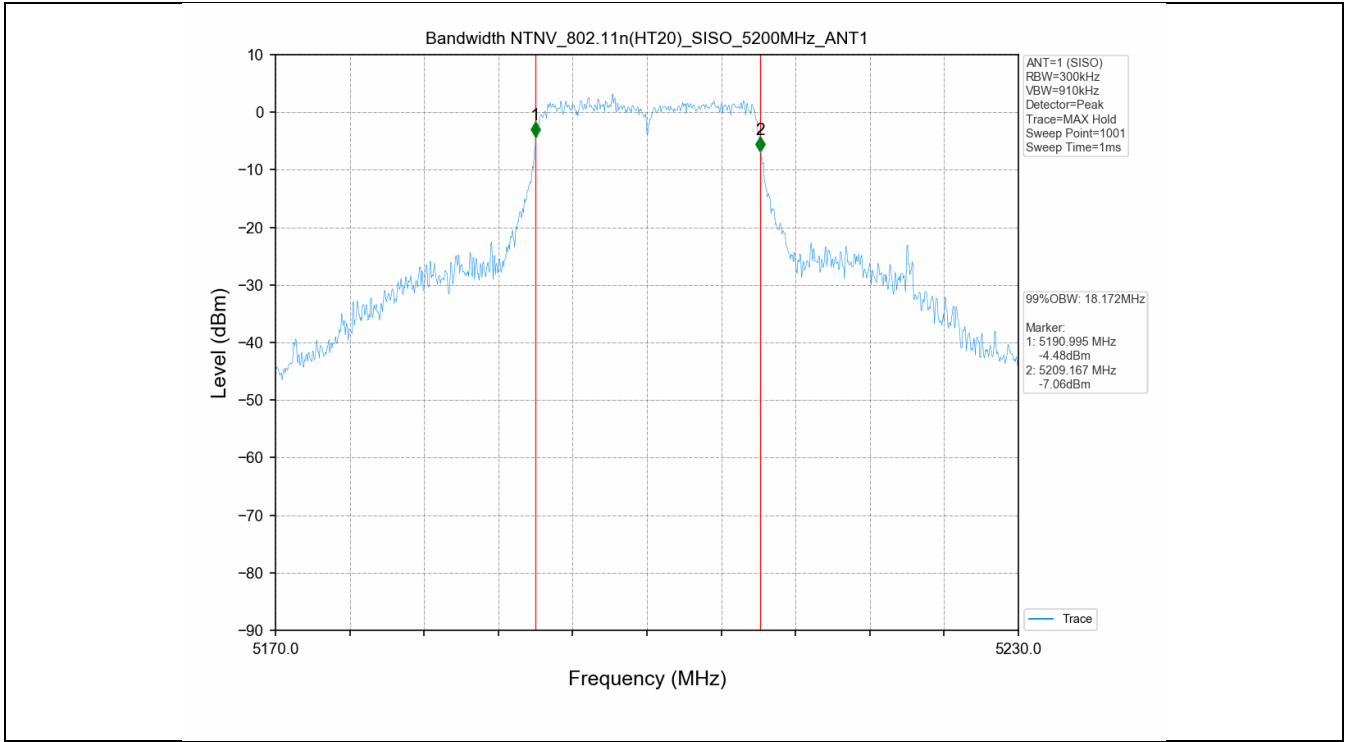
### 2.3 Test Graph - 99% Occupied Bandwidth

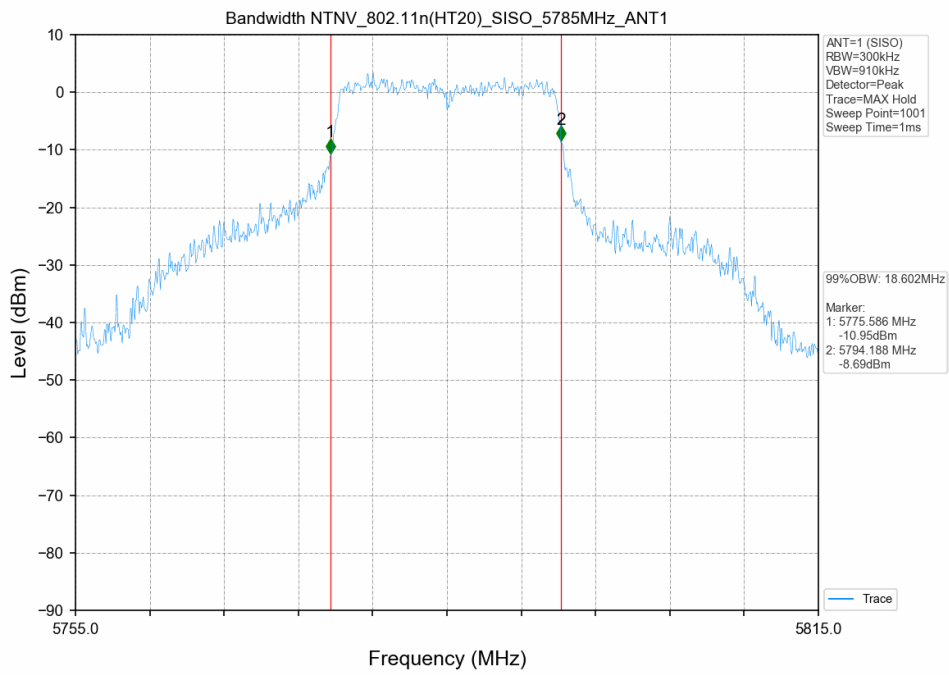
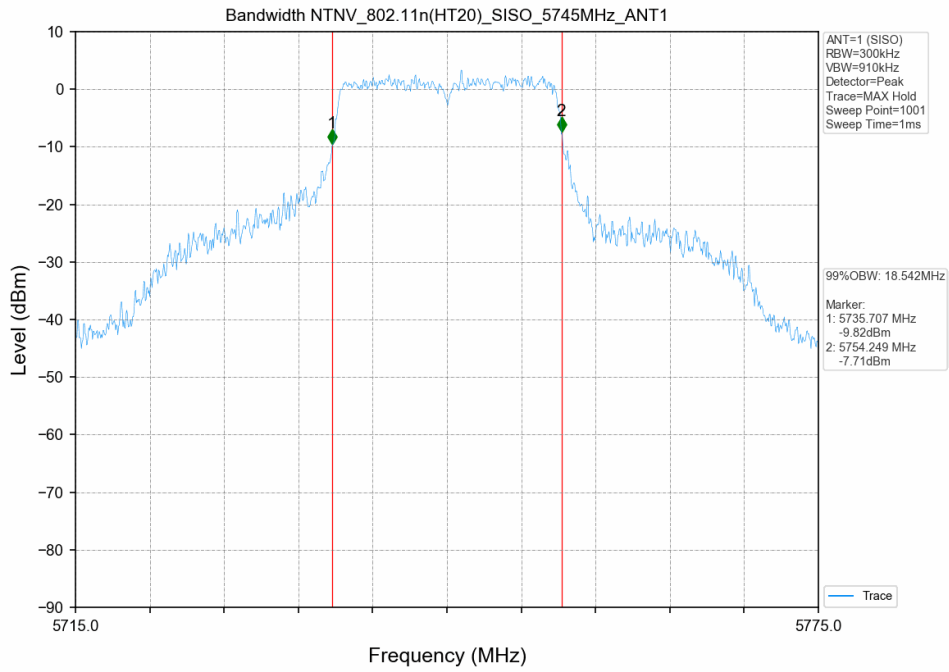


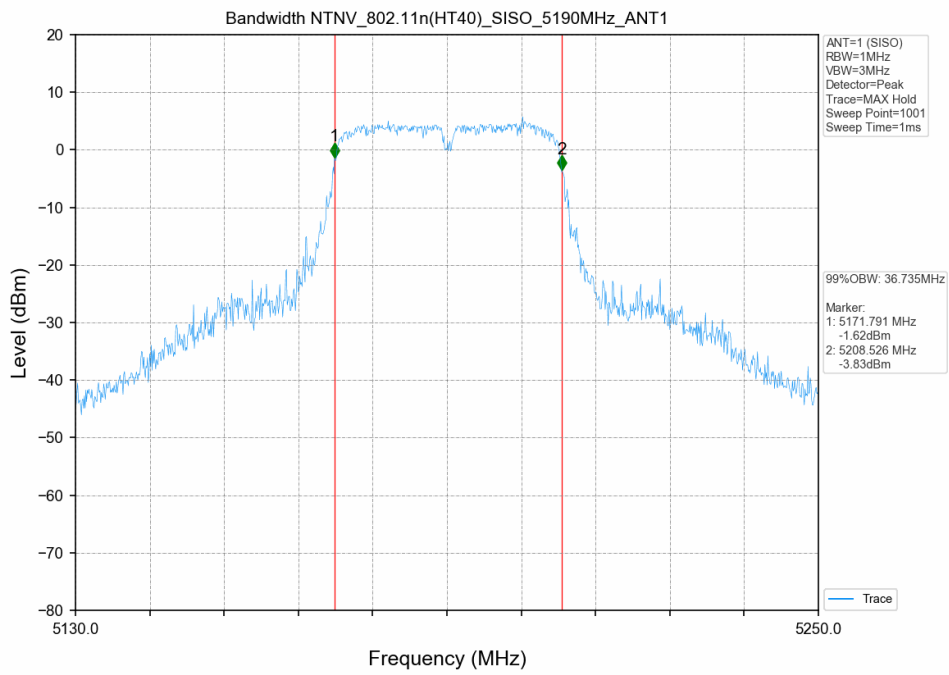
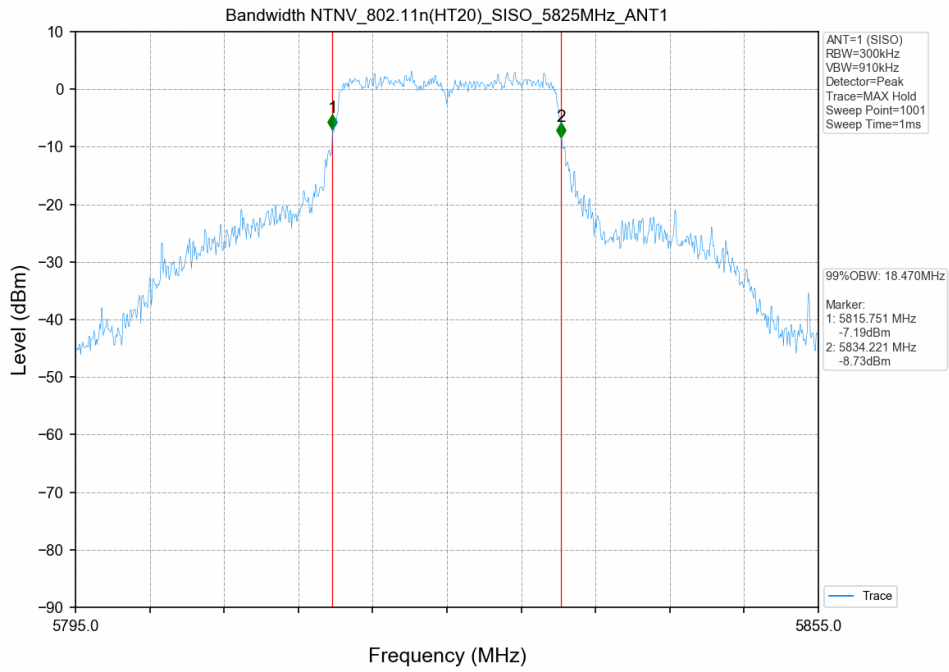




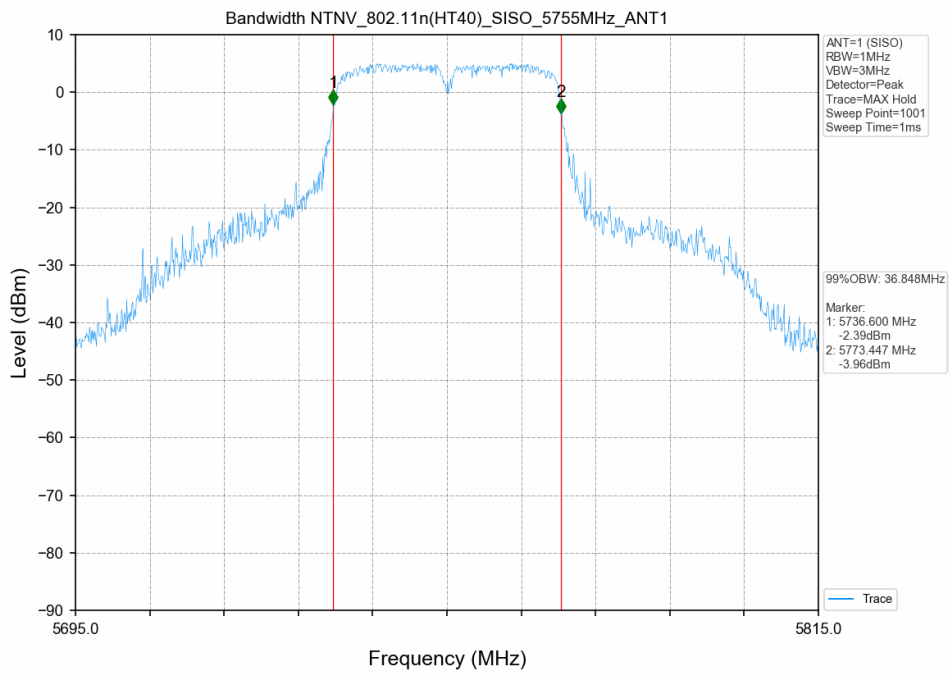
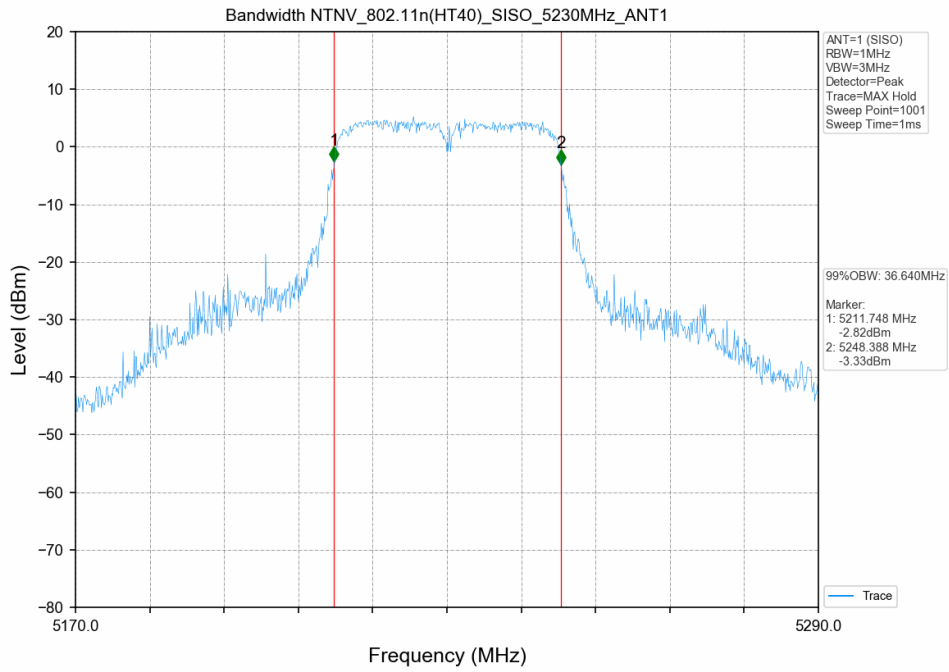


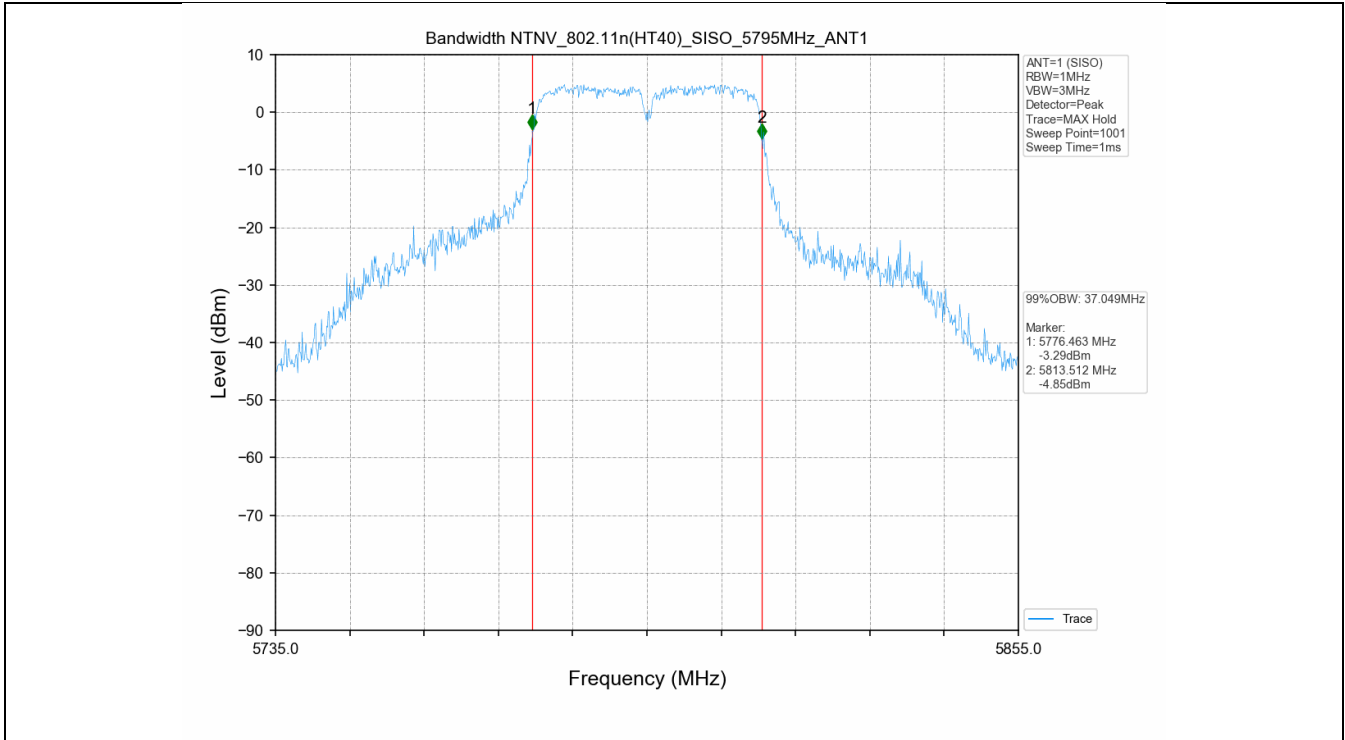










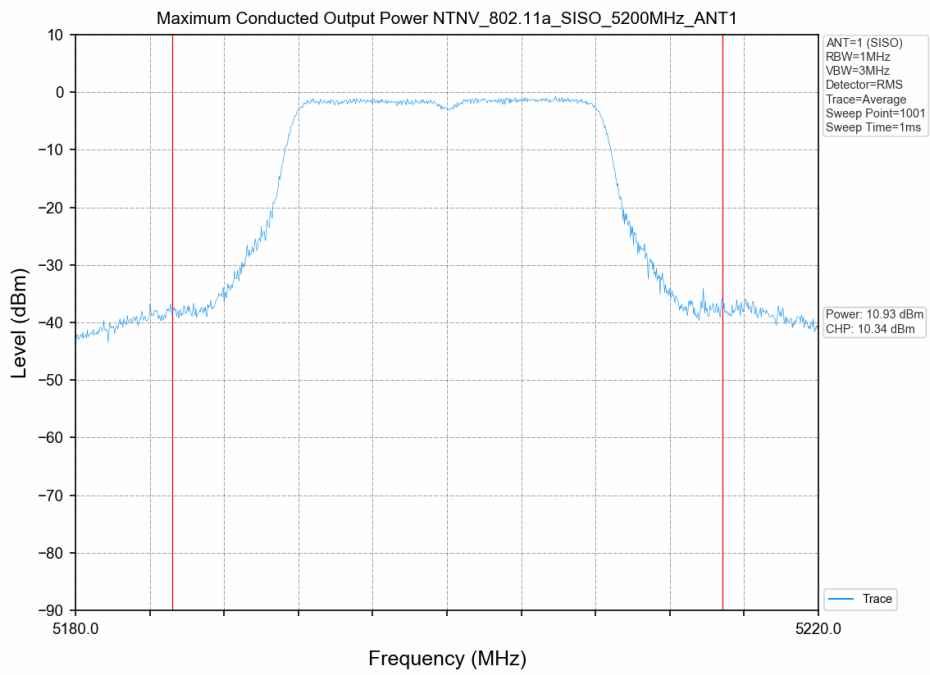
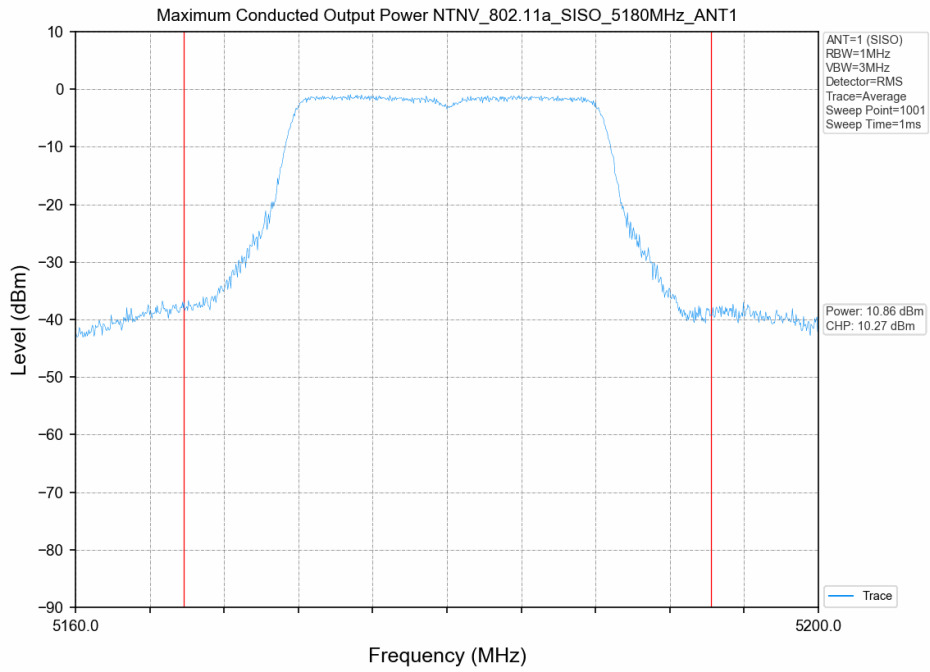


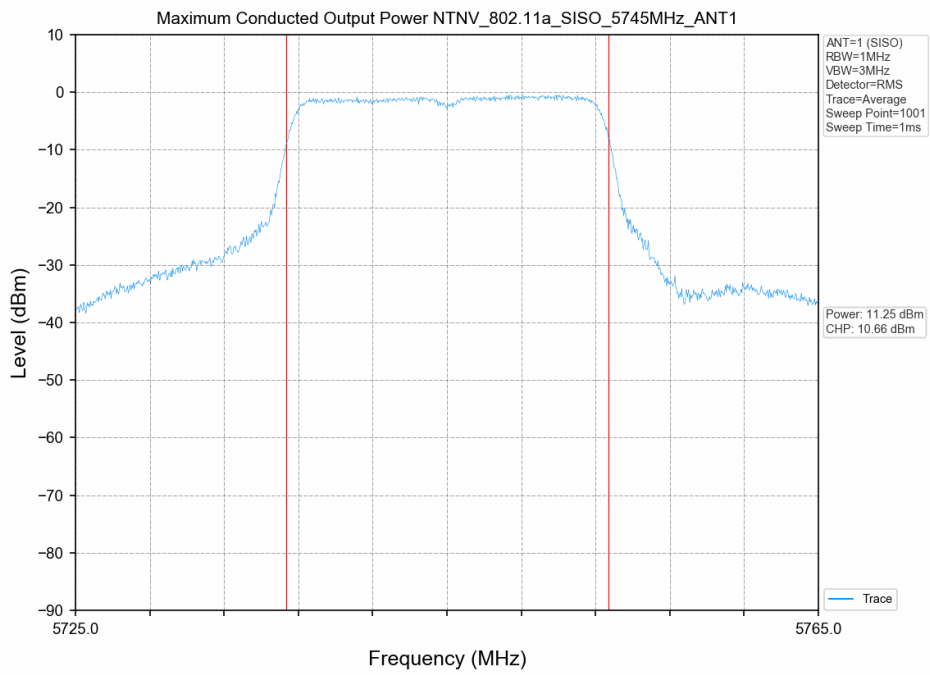
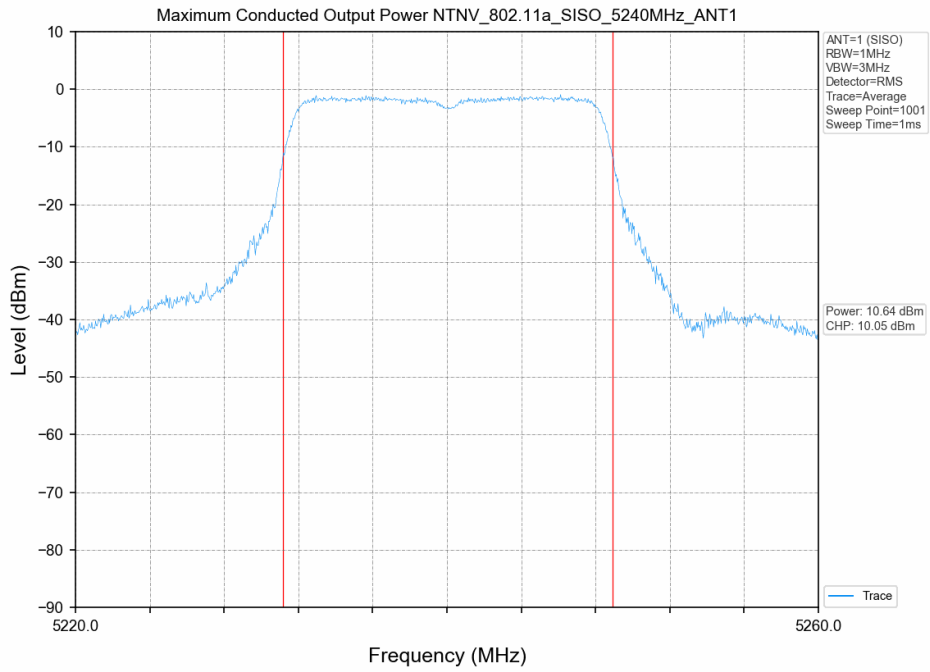
### 3. Maximum Conducted Output Power

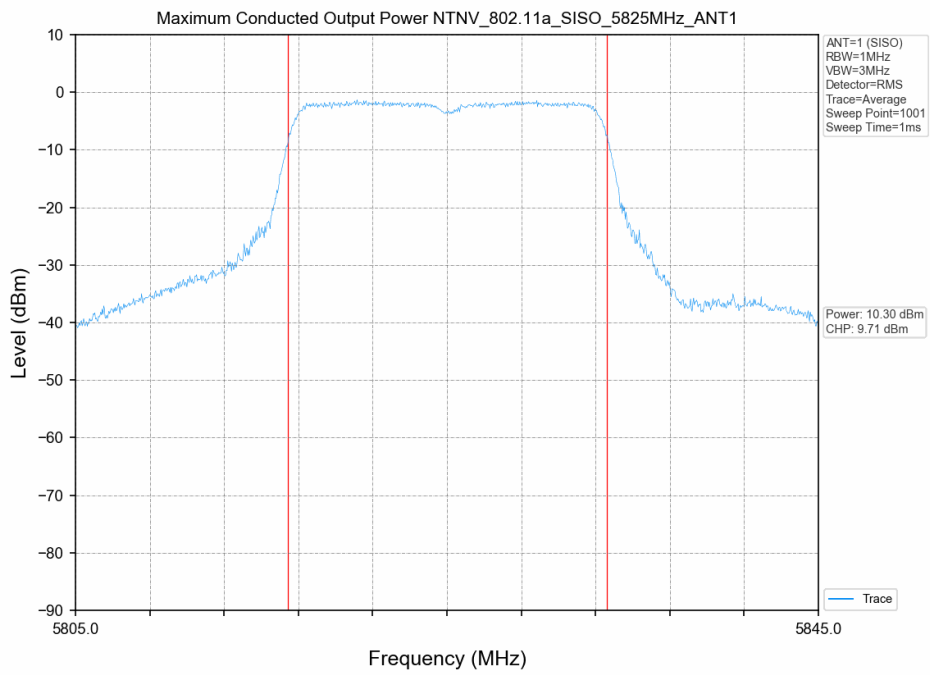
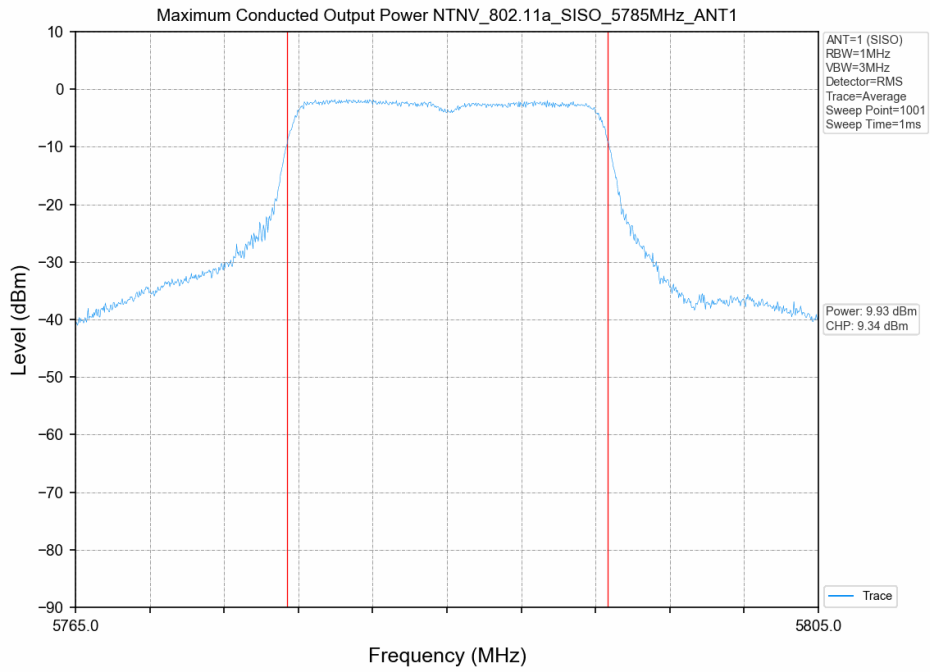
#### 3.1 Test Result

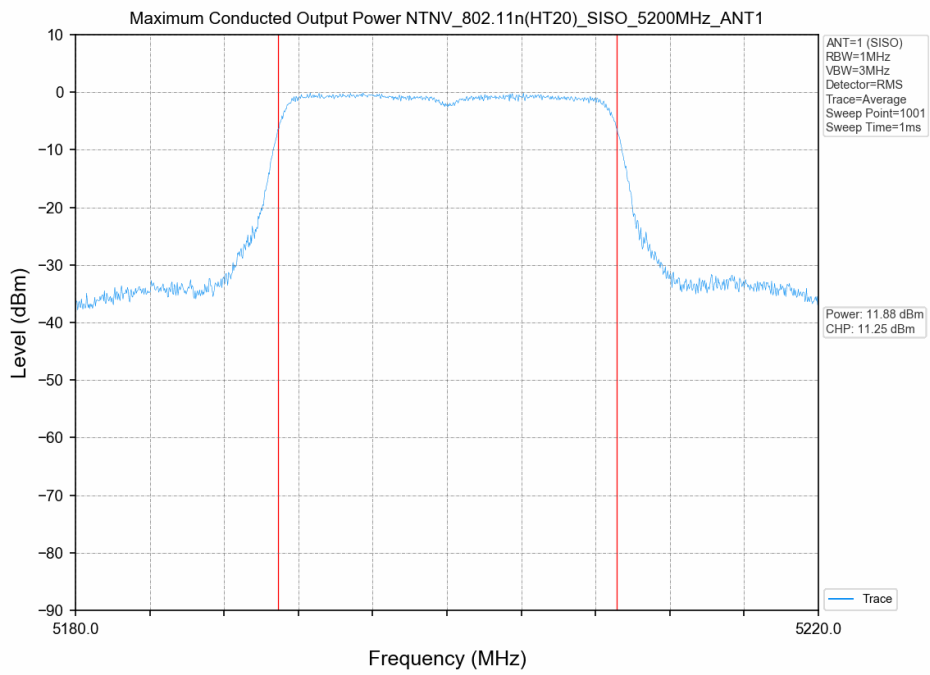
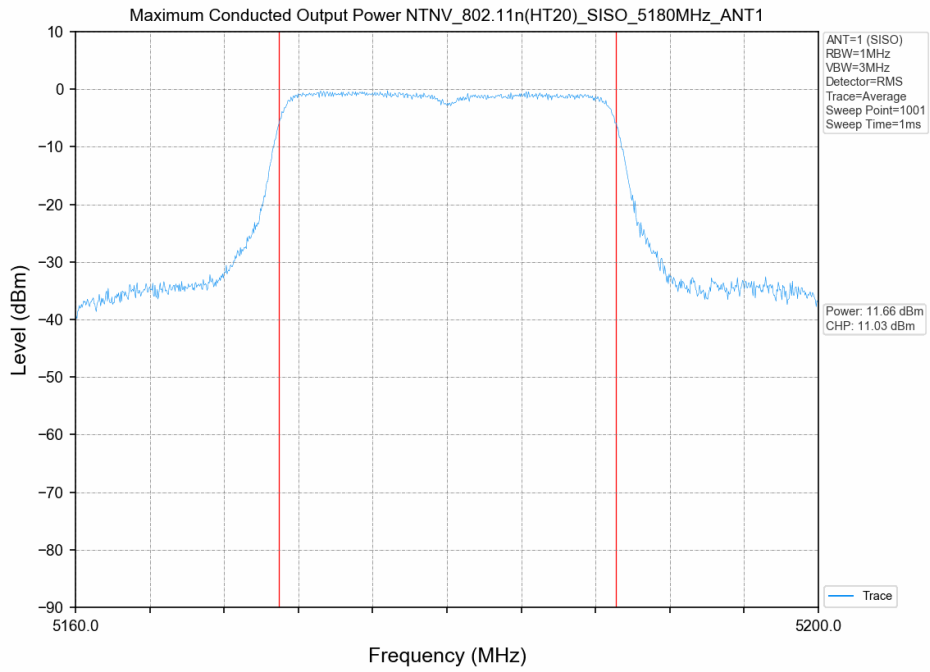
Test Mode	Frequency (MHz)	Tx Type	Measured Output Power (dBm)	Limit (dBm)	Verdict
			Ant 1		
802.11a	5180	SISO	10.86	≤23.98	PASS
	5200	SISO	10.93	≤23.98	PASS
	5240	SISO	10.64	≤23.98	PASS
	5745	SISO	11.25	≤30.00	PASS
	5785	SISO	9.93	≤30.00	PASS
802.11n(HT20)	5825	SISO	10.30	≤30.00	PASS
	5180	SISO	11.66	≤23.98	PASS
	5200	SISO	11.88	≤23.98	PASS
	5240	SISO	11.38	≤23.98	PASS
	5745	SISO	11.94	≤30.00	PASS
802.11n(HT40)	5785	SISO	11.76	≤30.00	PASS
	5825	SISO	11.21	≤30.00	PASS
	5190	SISO	10.97	≤23.98	PASS
	5230	SISO	10.81	≤23.98	PASS
	5755	SISO	11.39	≤30.00	PASS
	5795	SISO	11.19	≤30.00	PASS

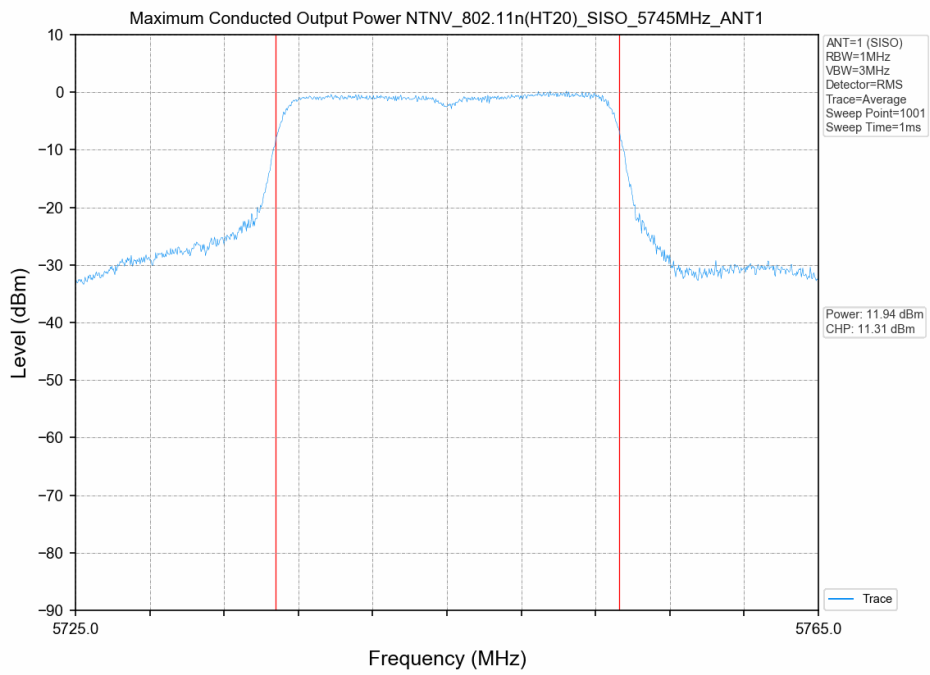
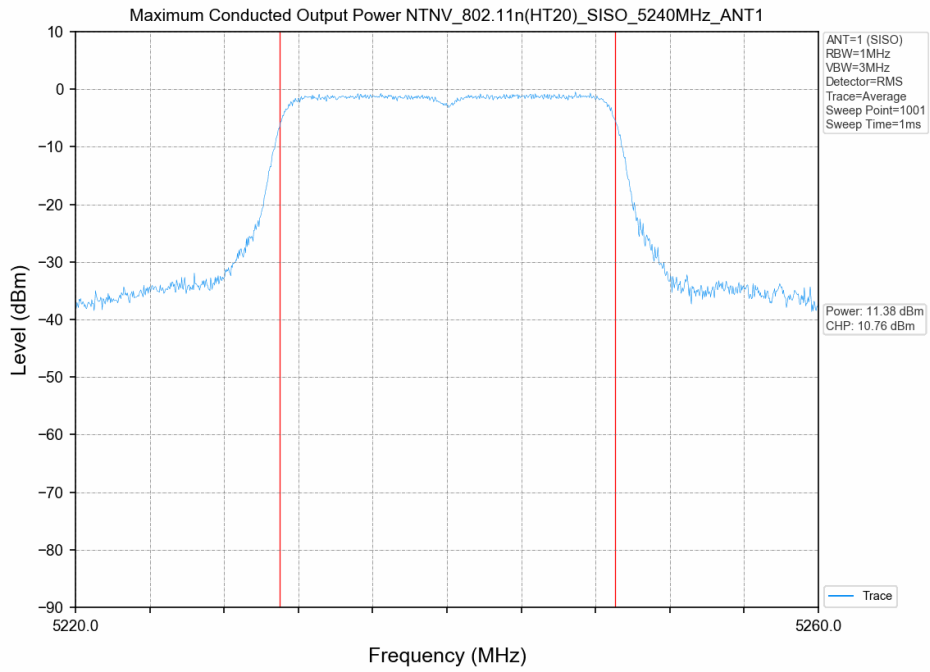
#### 3.2 Test Graph

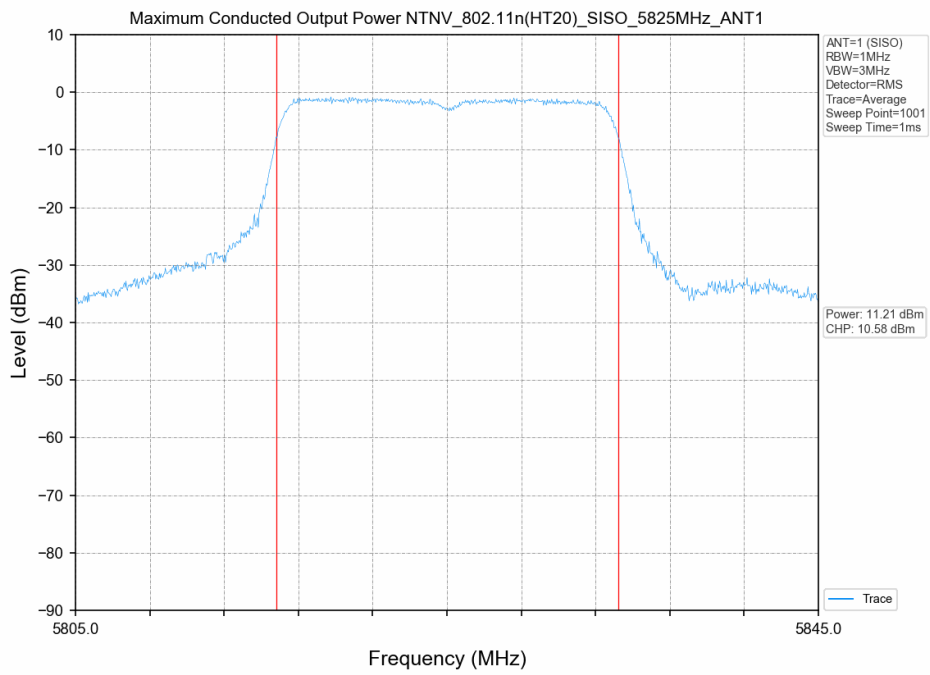
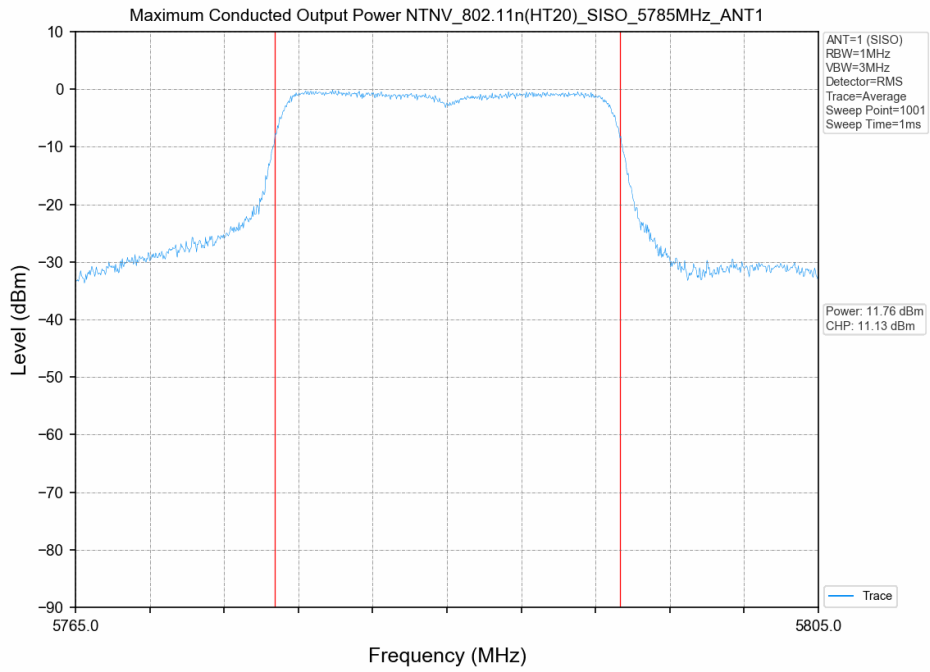




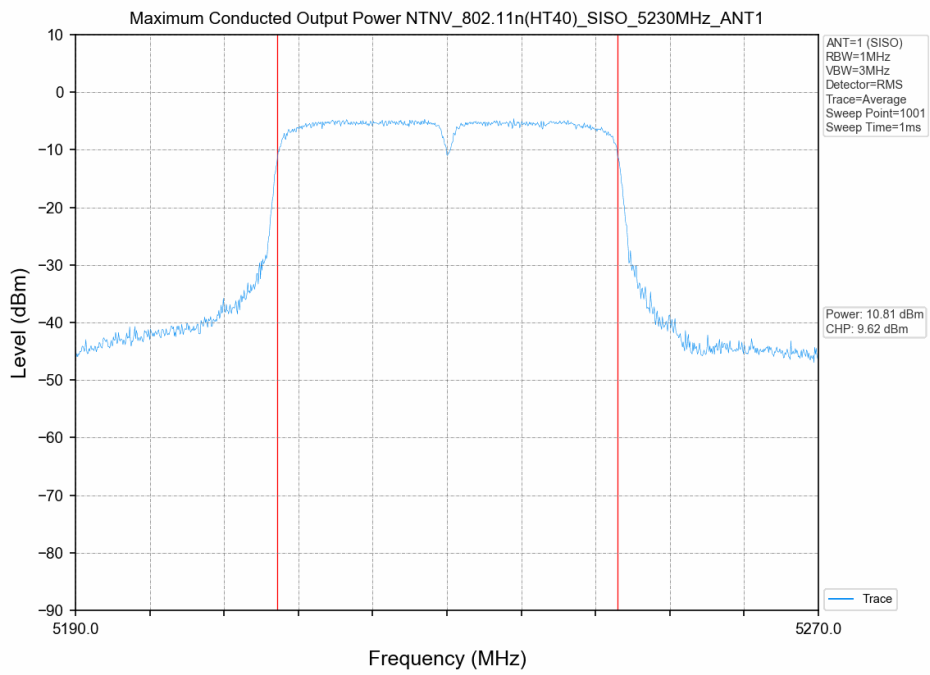
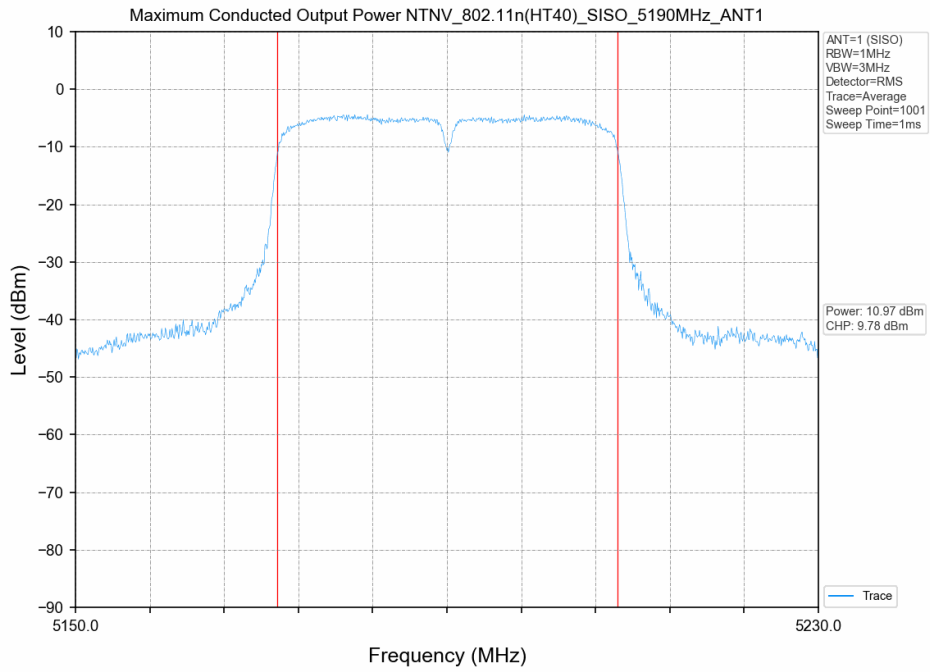


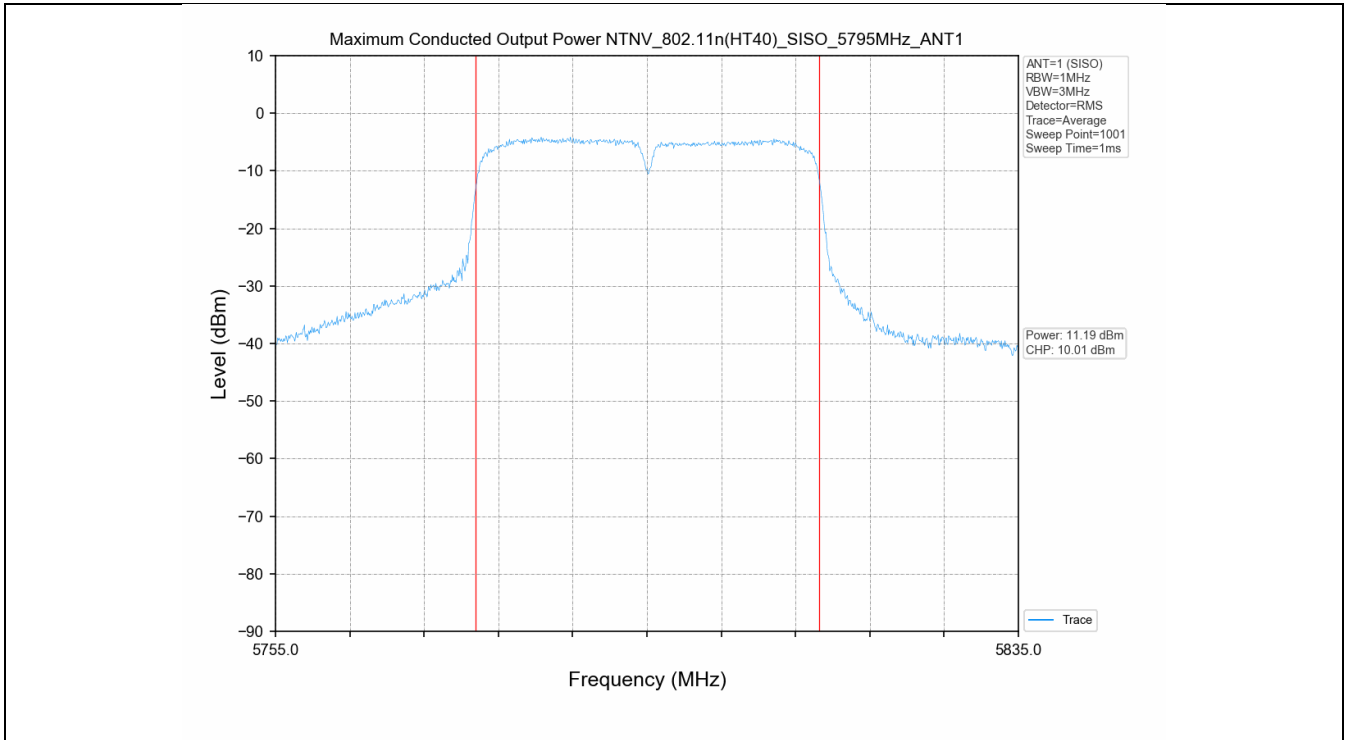
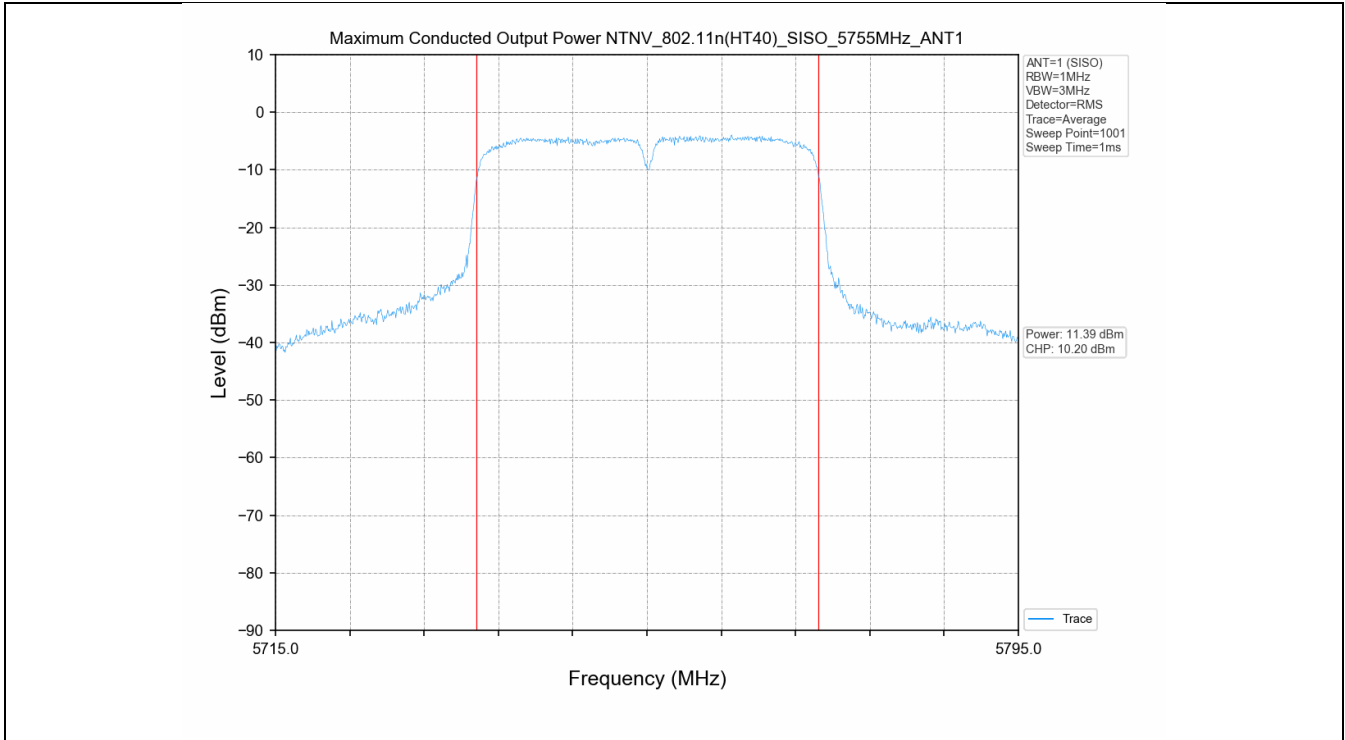












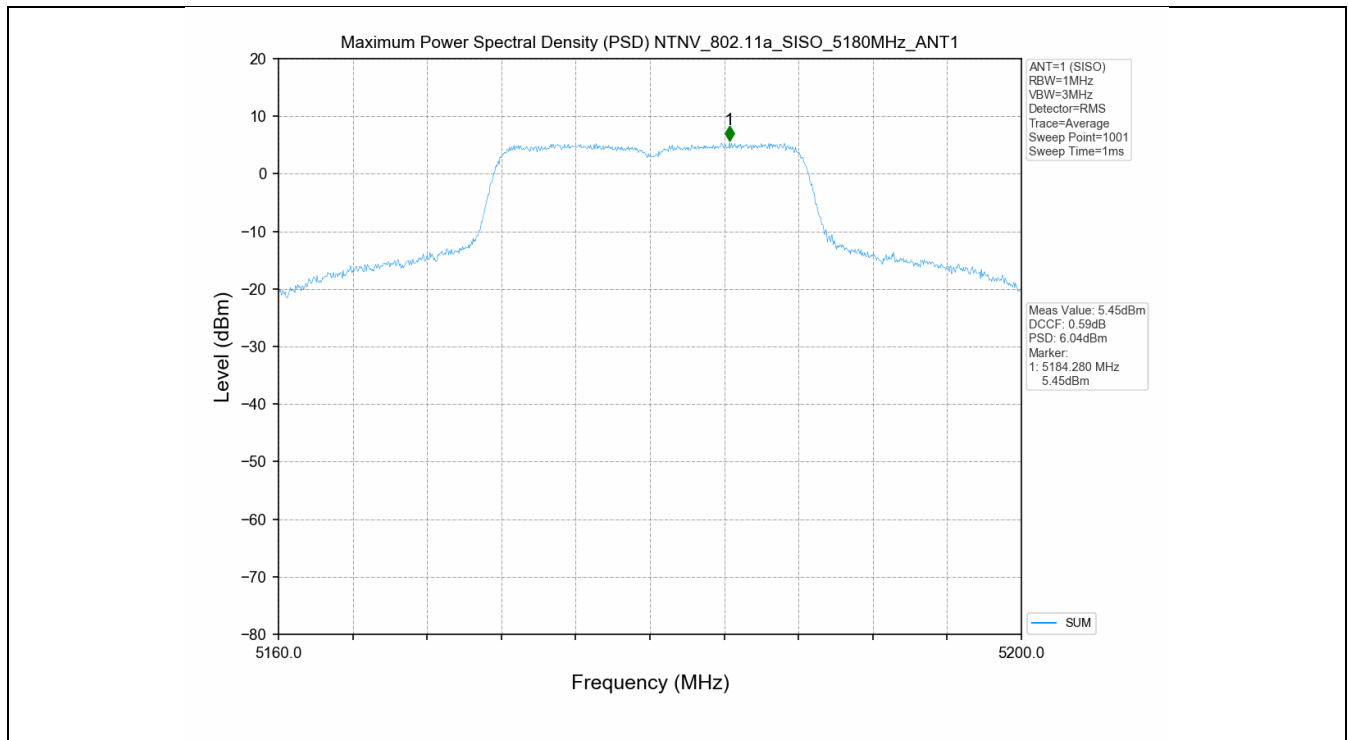
#### 4. Maximum Power Spectral Density (PSD)

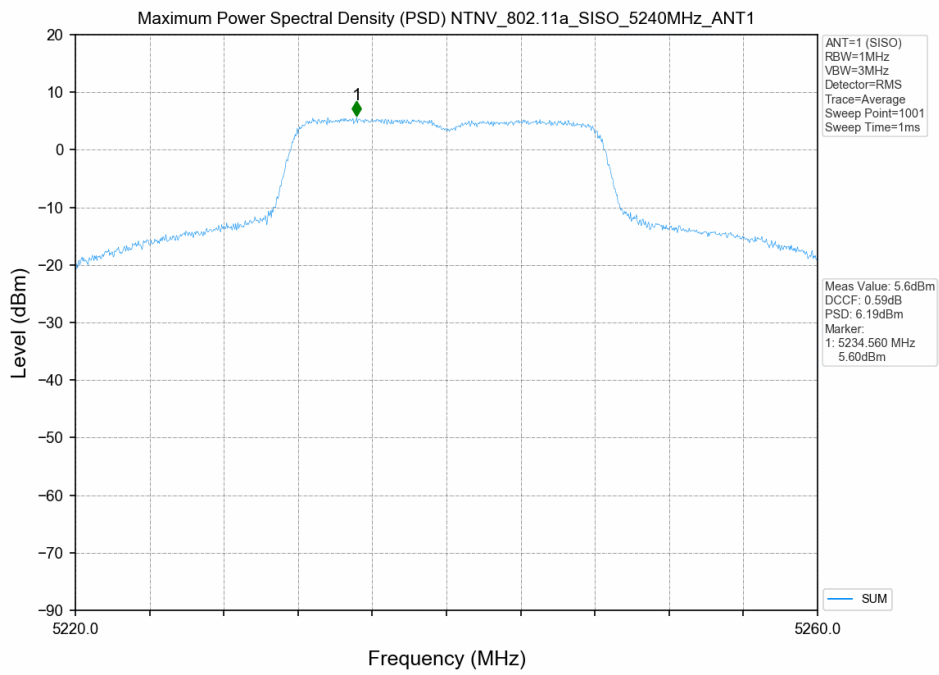
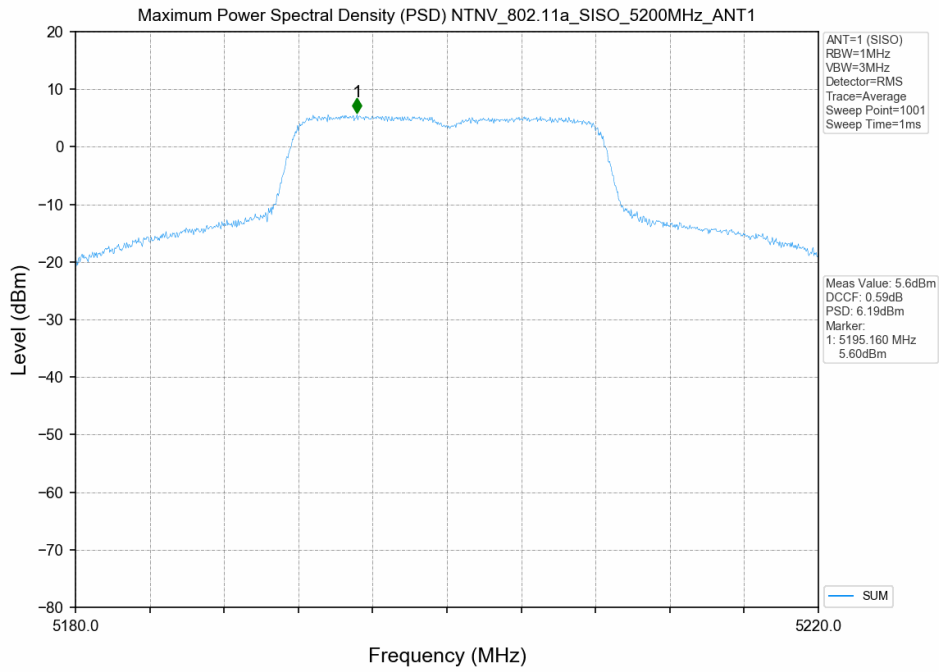
##### 4.1 Test Result

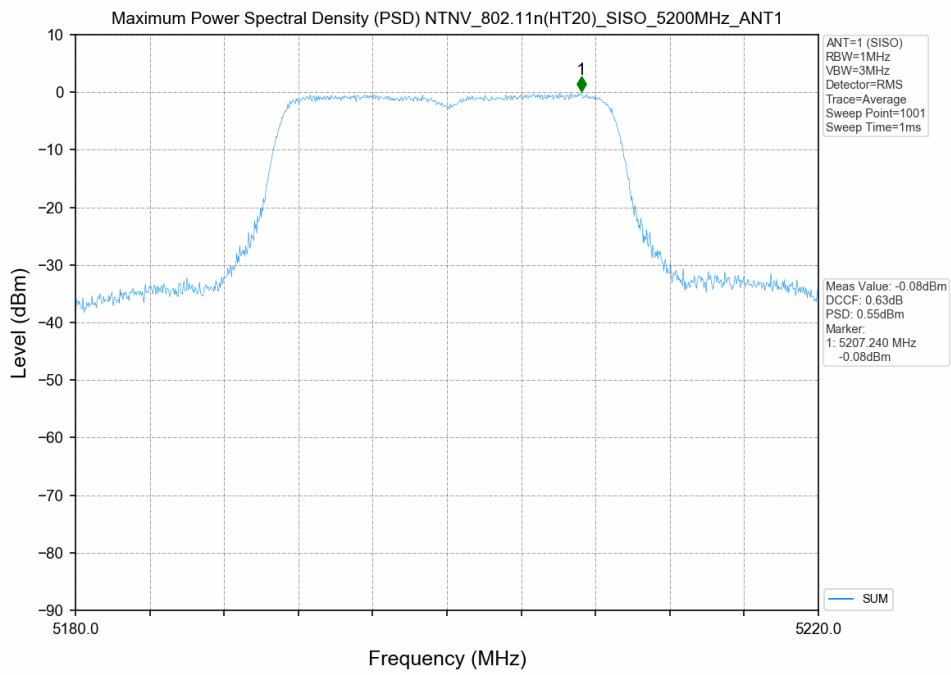
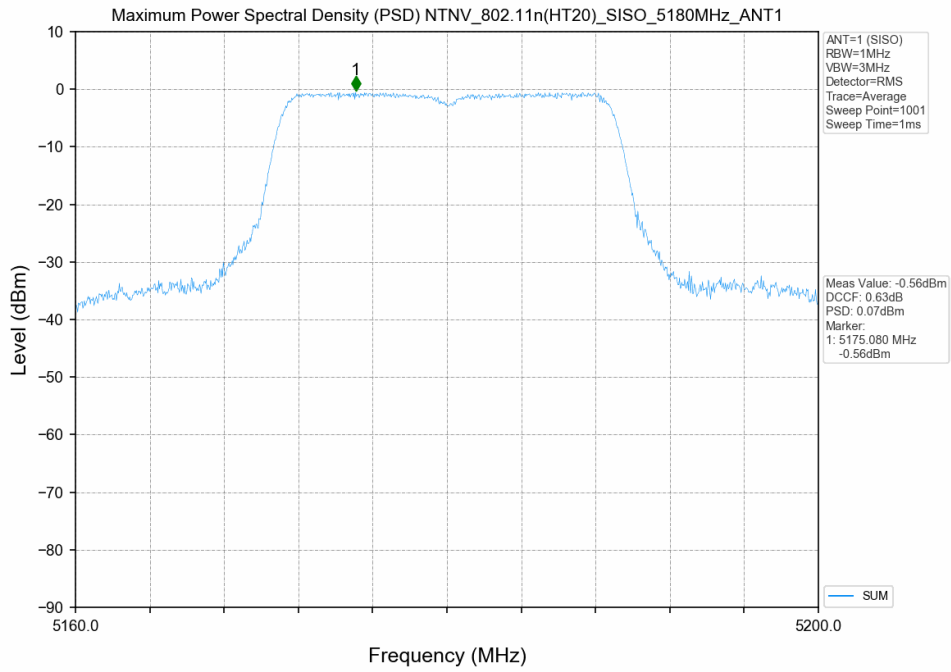
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/MHz)	Limits (dBm/MHz)	Verdict
			Ant 1		
802.11a	5180	SISO	6.04	≤11	PASS
	5200	SISO	6.19	≤11	PASS
	5240	SISO	6.19	≤11	PASS
802.11n(HT20)	5180	SISO	0.07	≤11	PASS
	5200	SISO	0.55	≤11	PASS
	5240	SISO	-1.62	≤11	PASS
802.11n(HT40)	5190	SISO	-3.46	≤11	PASS
	5230	SISO	-3.25	≤11	PASS

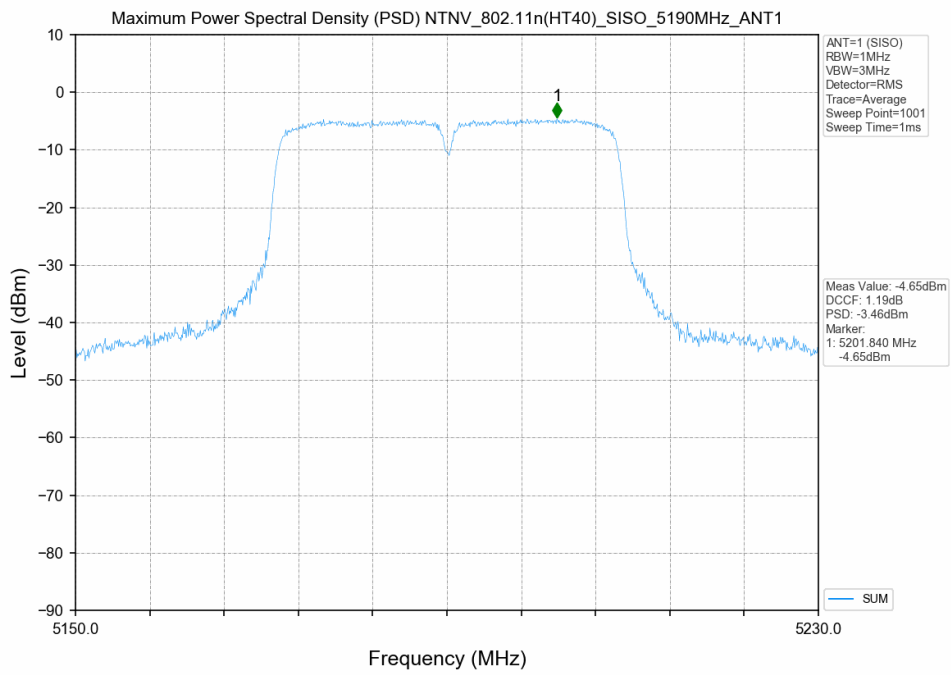
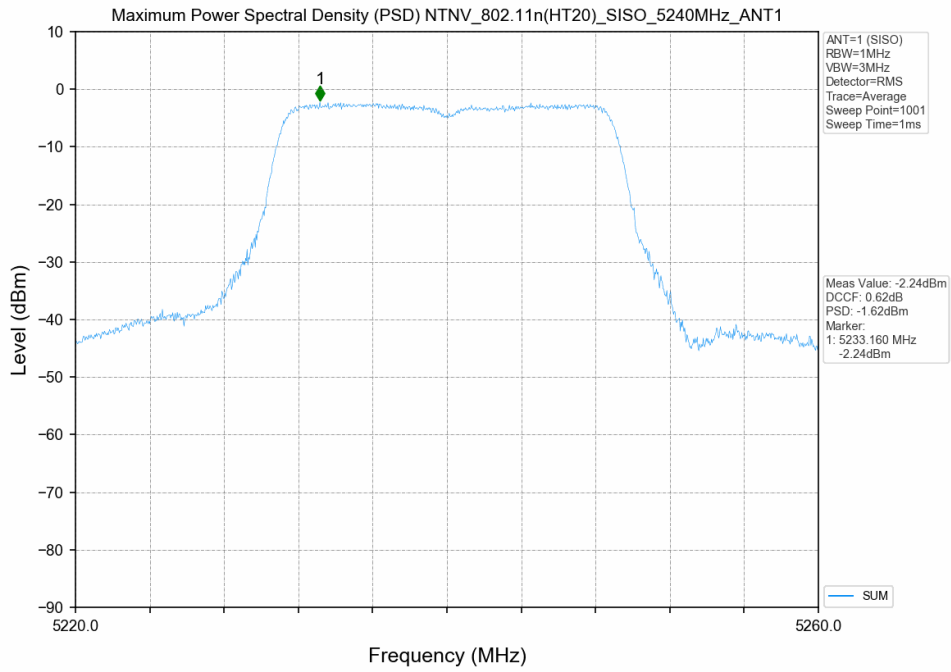
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/500kHz)	Limits (dBm/500kHz)	Verdict
			Ant 1		
802.11a	5745	SISO	-2.59	≤30	PASS
	5785	SISO	-3.52	≤30	PASS
	5825	SISO	-3.63	≤30	PASS
802.11n(HT20)	5745	SISO	-2.10	≤30	PASS
	5785	SISO	-2.07	≤30	PASS
	5825	SISO	-2.11	≤30	PASS
802.11n(HT40)	5755	SISO	-5.81	≤30	PASS
	5795	SISO	-5.64	≤30	PASS

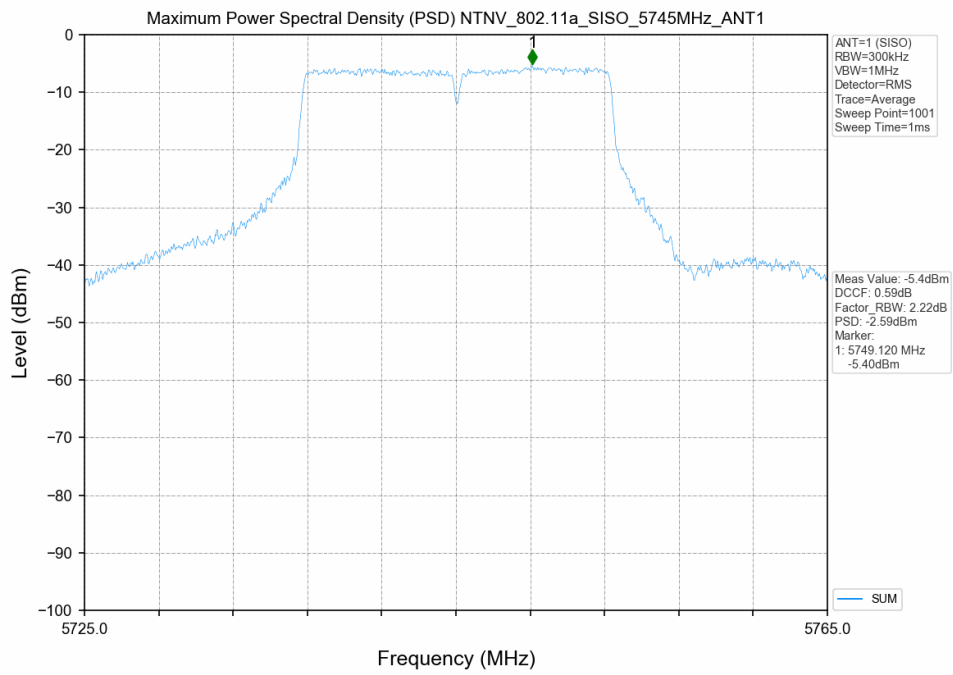
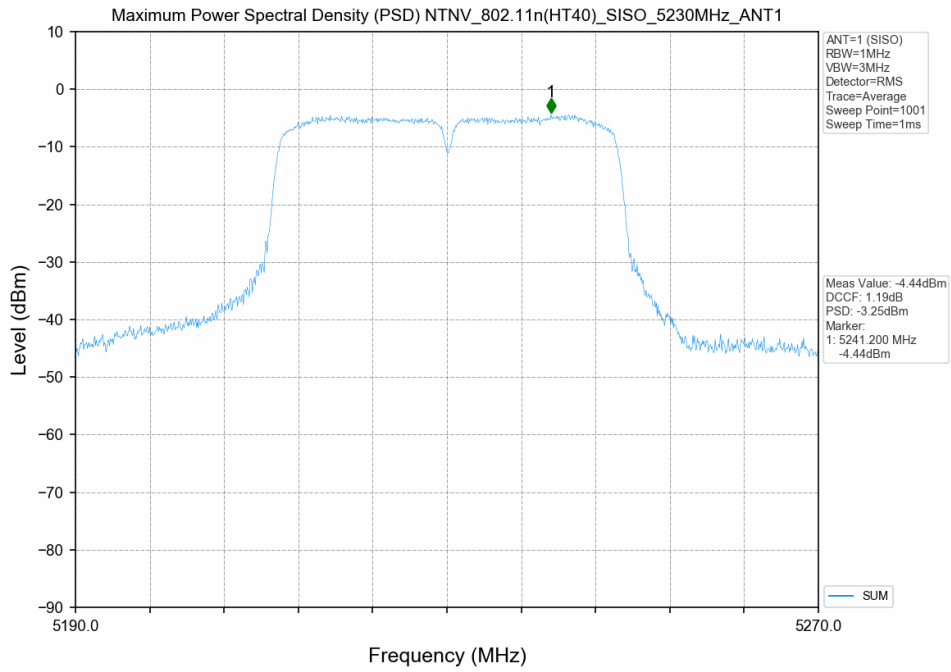
## 4.2 Test Graph

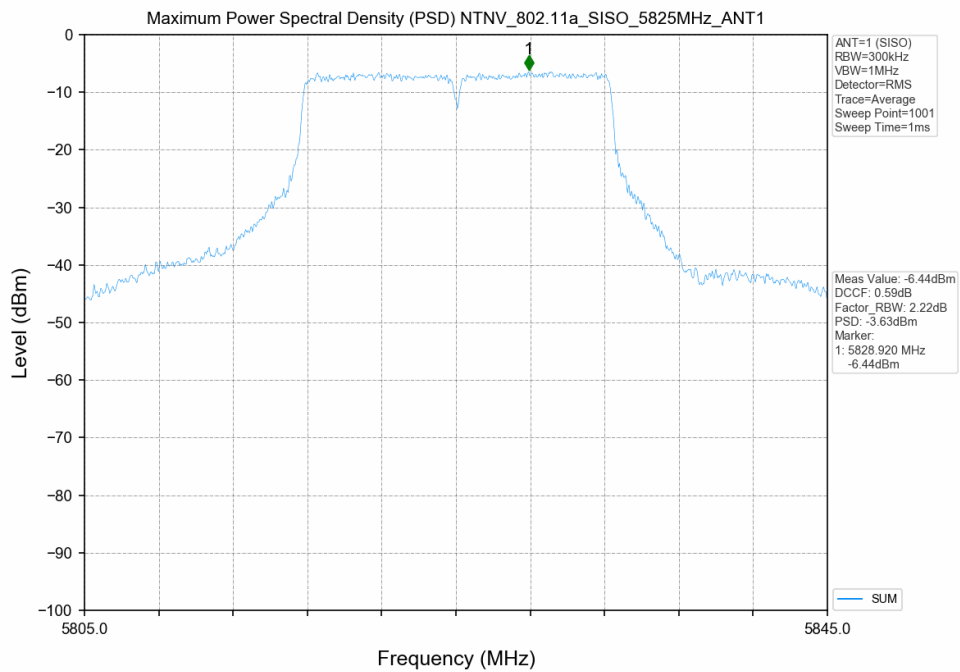
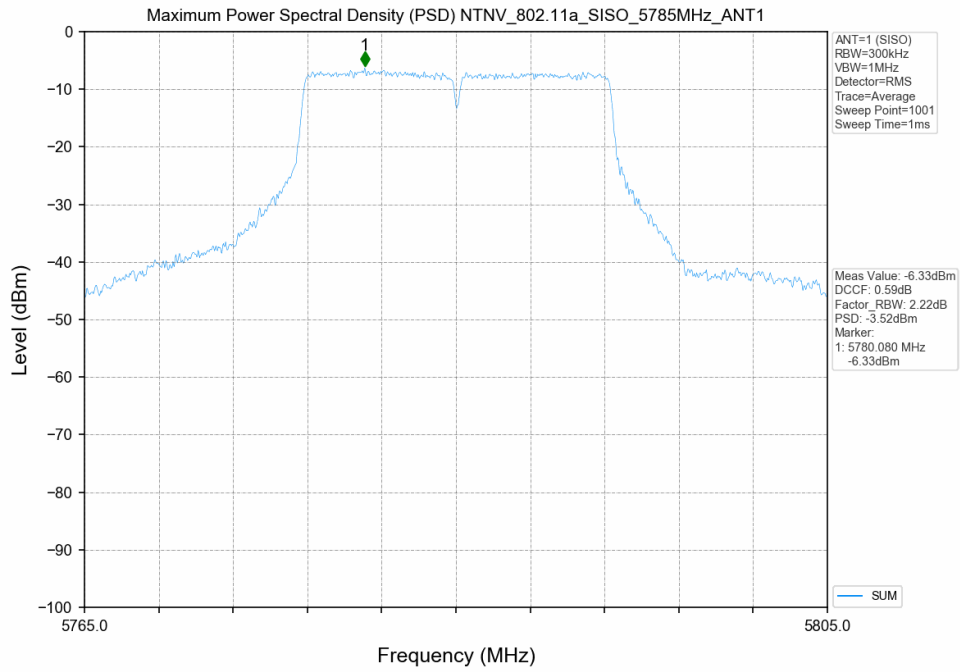




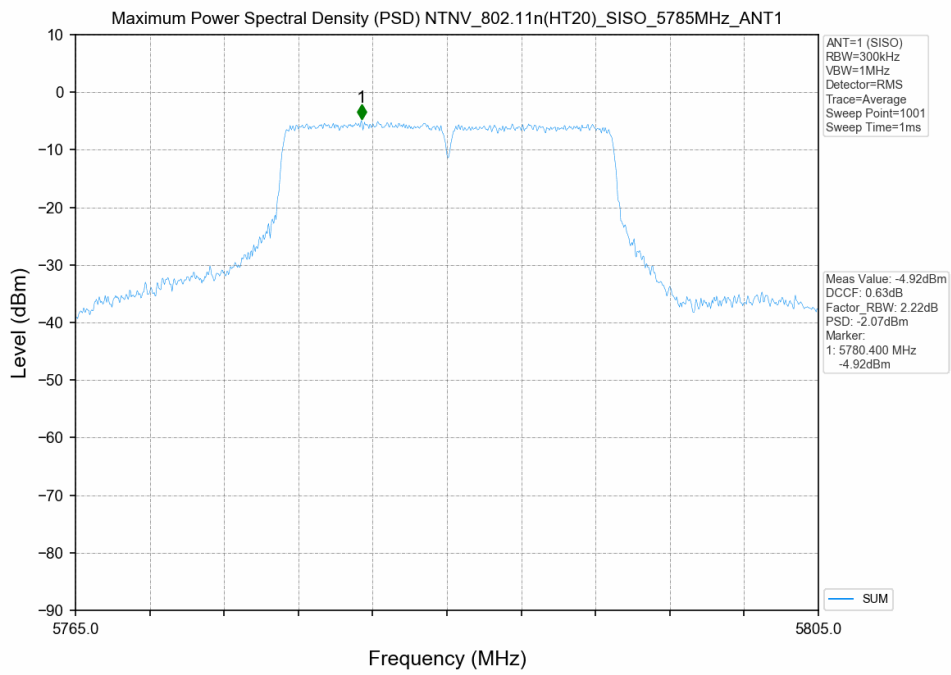
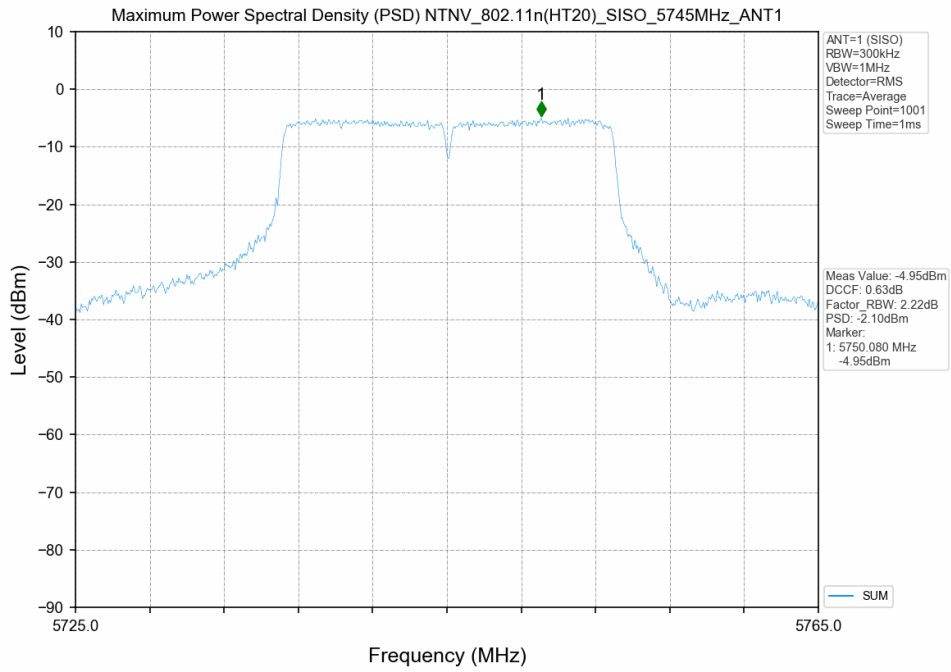


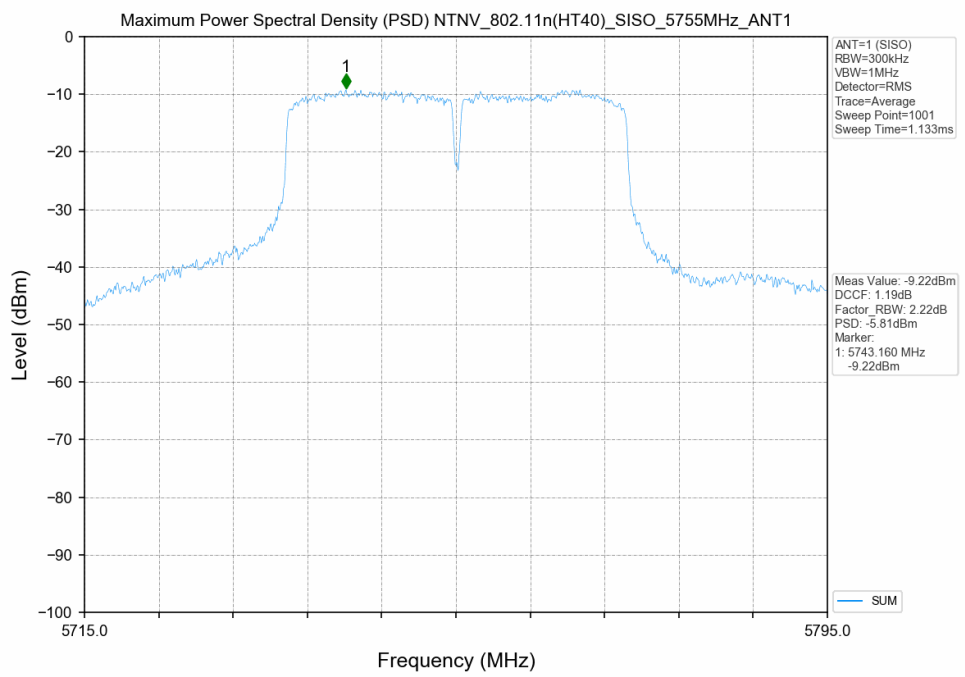
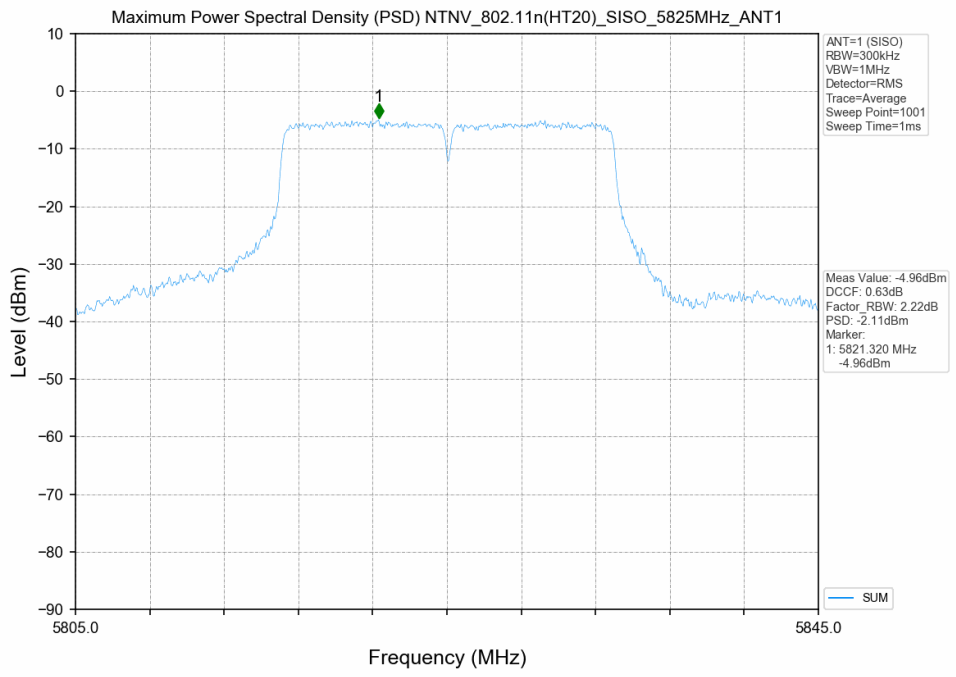












Maximum Power Spectral Density (PSD) NTVN\_802.11n(HT40)\_SISO\_5795MHz\_ANT1

