

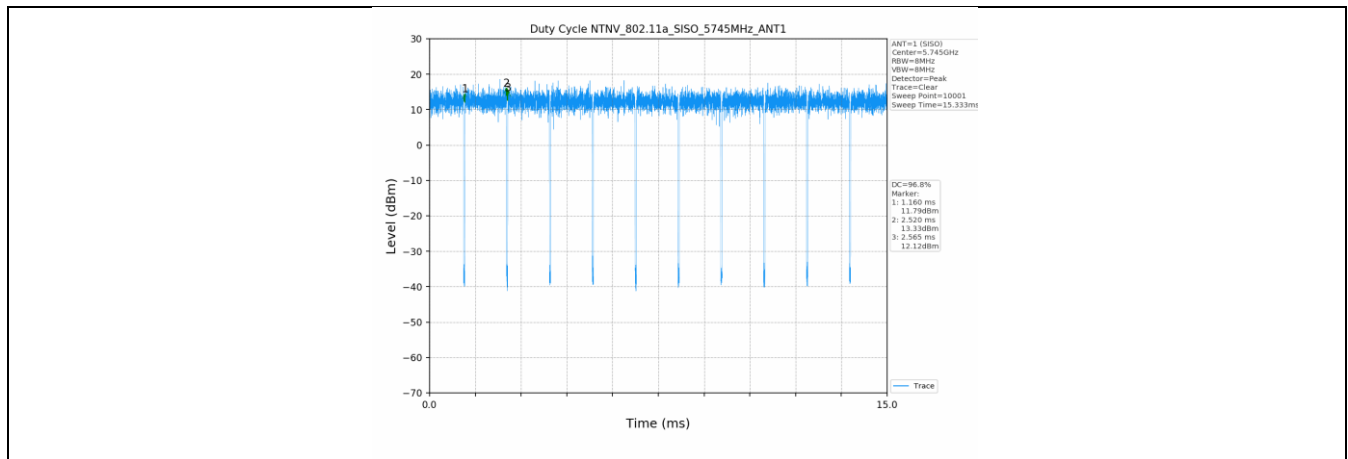
Appendix for 15.407

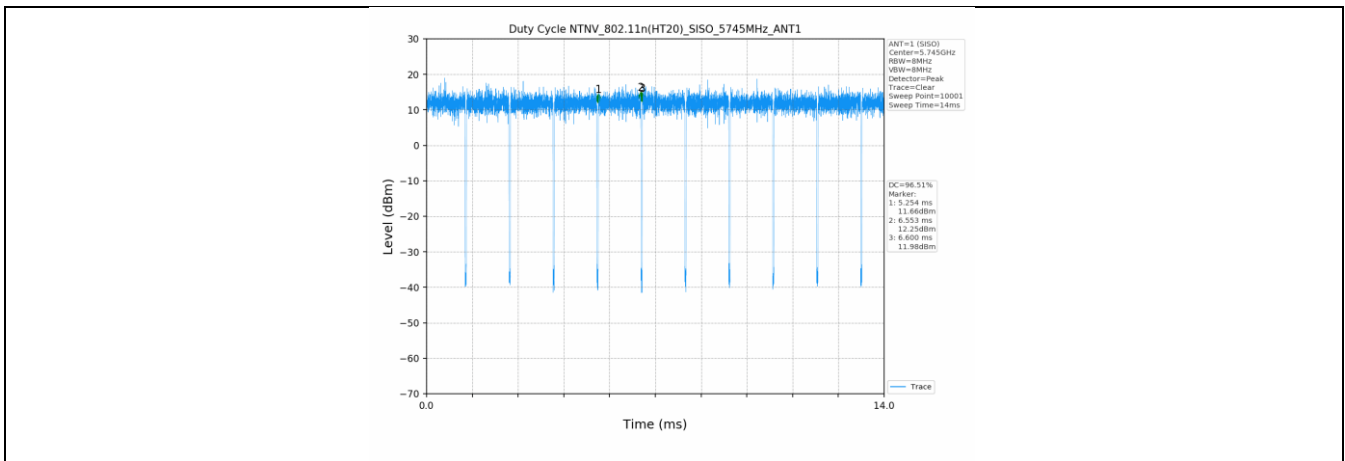
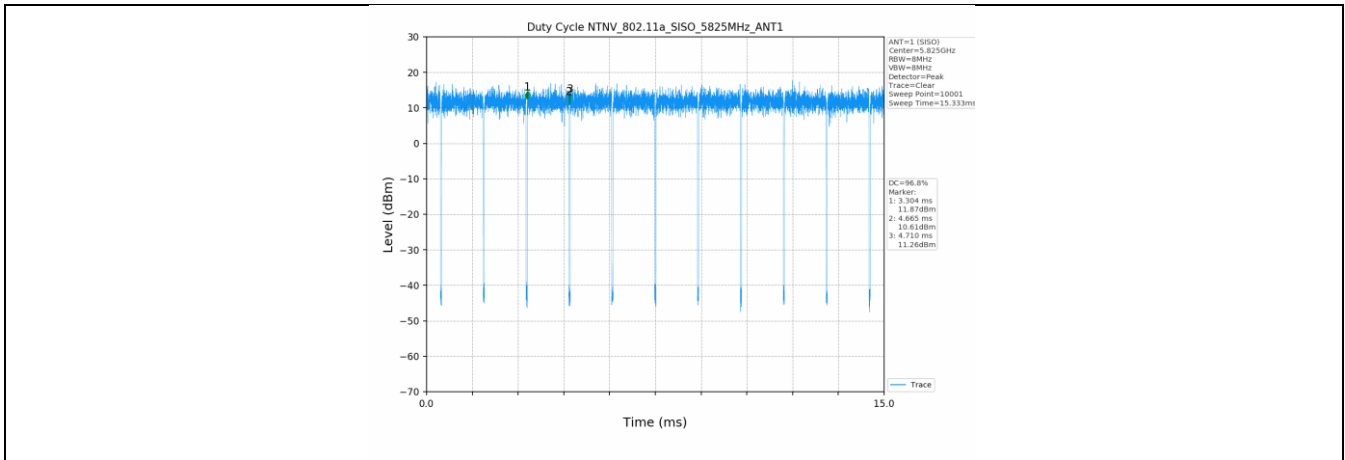
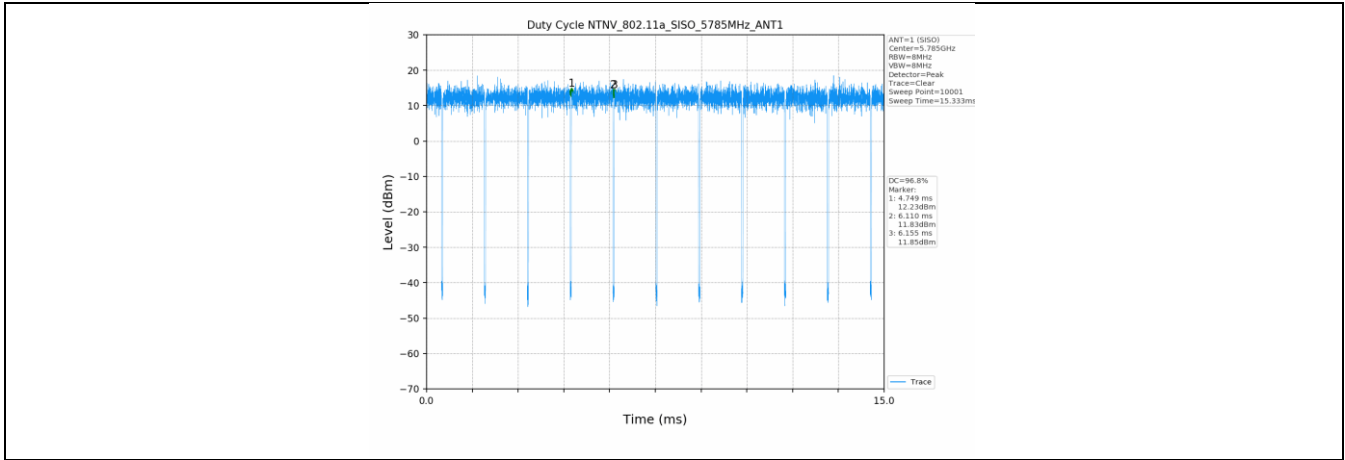
1. Duty Cycle

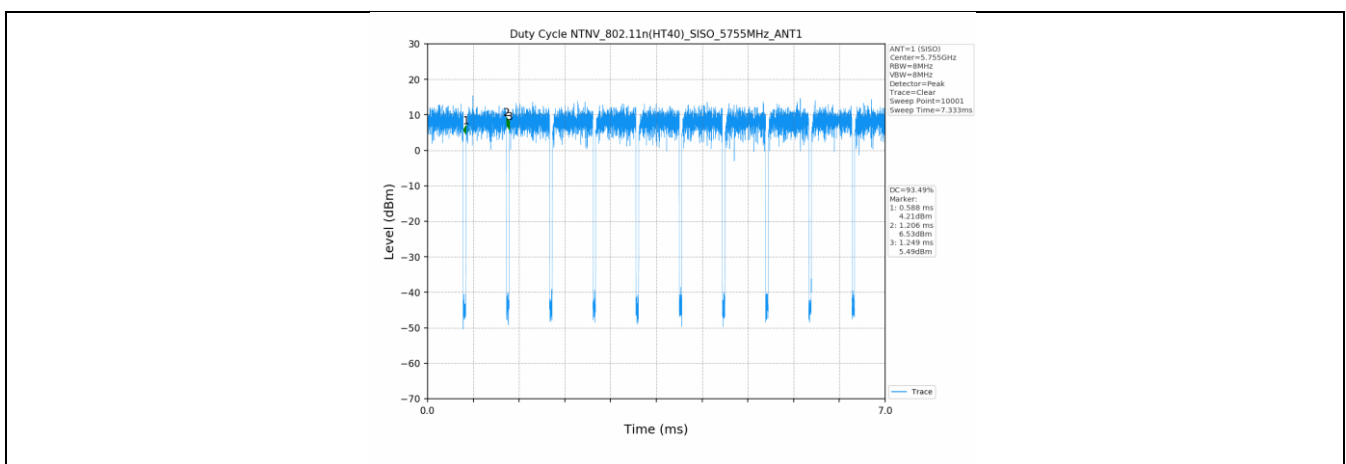
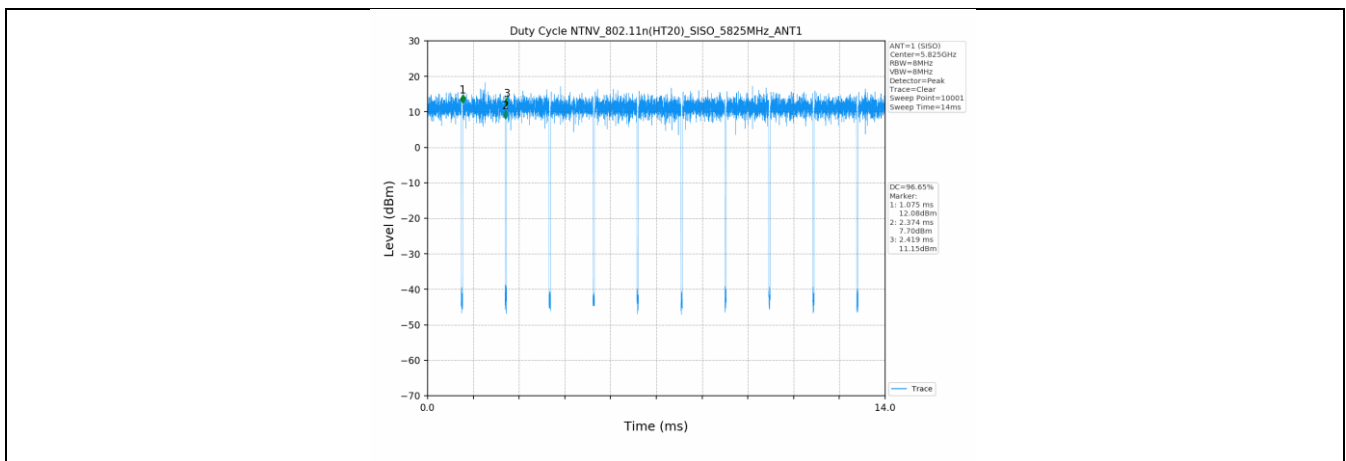
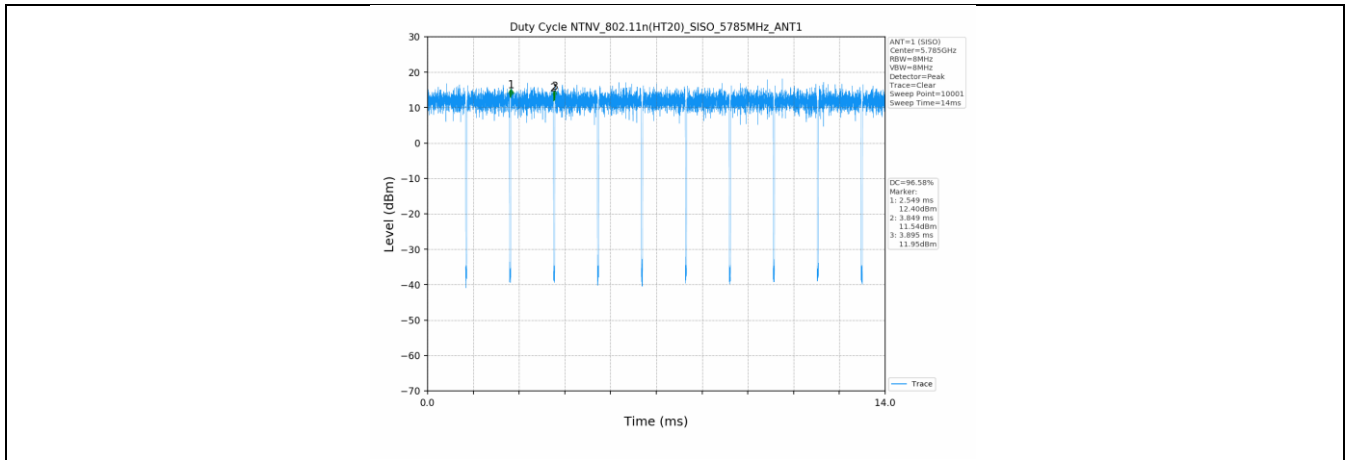
1.1 Test Result

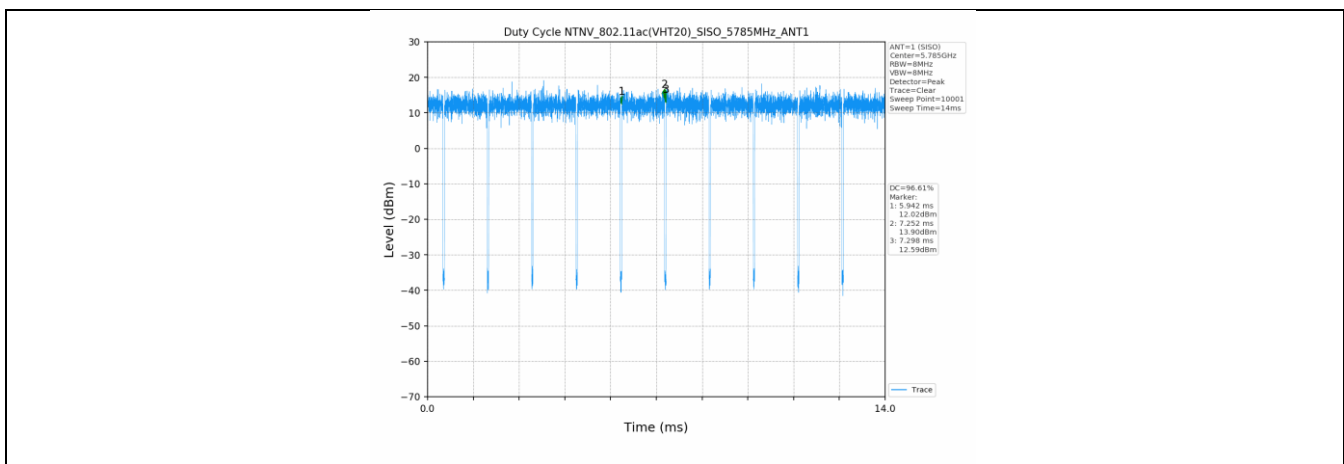
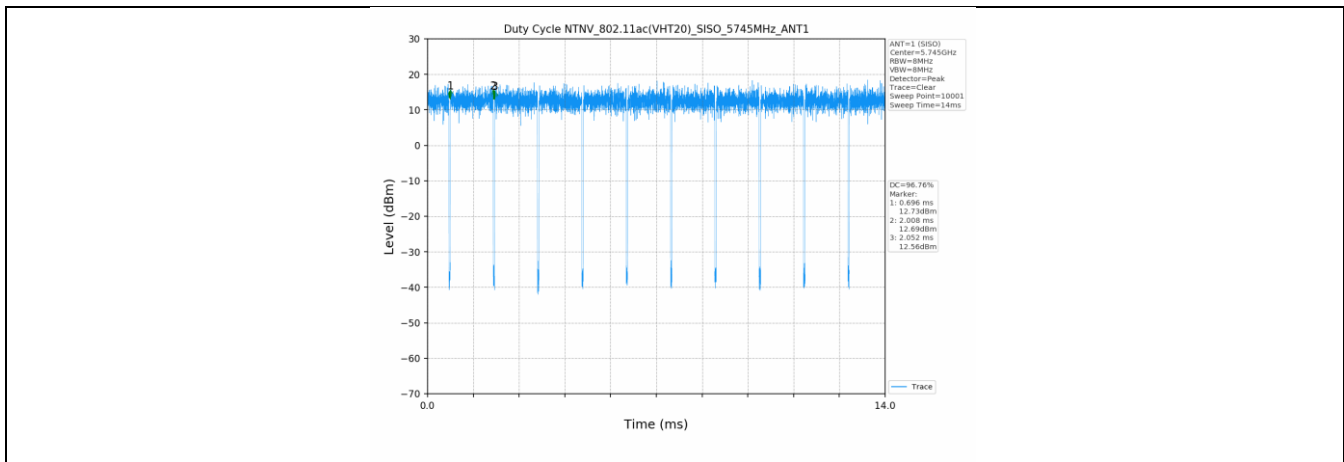
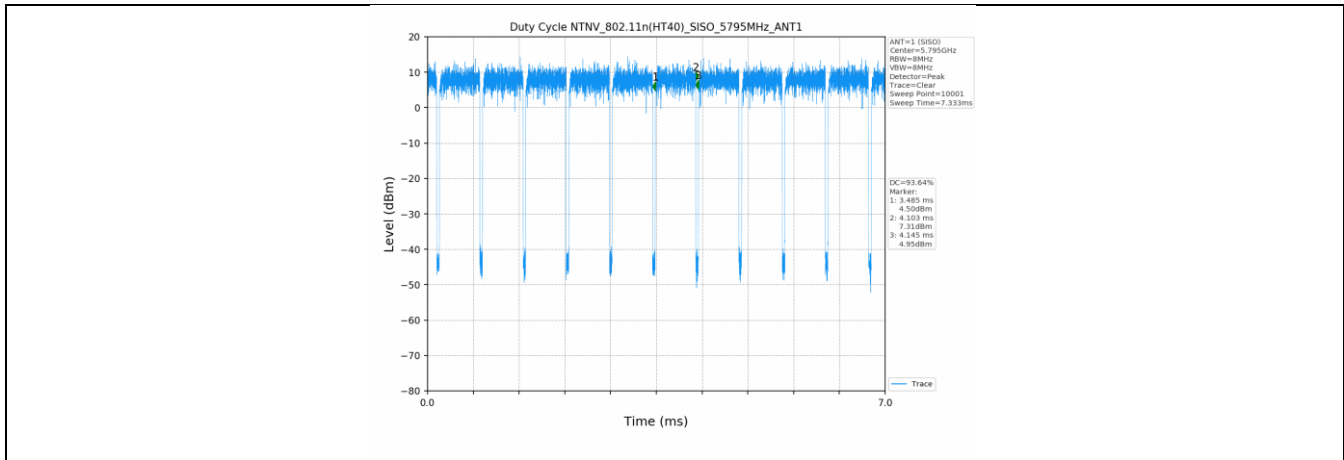
Test Mode	Channel Frequency (MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11a	5745	SISO	1	1.360	1.405	96.80	0.14
	5785	SISO	1	1.361	1.406	96.80	0.14
	5825	SISO	1	1.361	1.406	96.80	0.14
802.11n(HT20)	5745	SISO	1	1.299	1.346	96.51	0.15
	5785	SISO	1	1.300	1.346	96.58	0.15
	5825	SISO	1	1.299	1.344	96.65	0.15
802.11n(HT40)	5755	SISO	1	0.618	0.661	93.49	0.29
	5795	SISO	1	0.618	0.660	93.64	0.29
802.11ac(VHT20)	5745	SISO	1	1.312	1.356	96.76	0.14
	5785	SISO	1	1.310	1.356	96.61	0.15
	5825	SISO	1	1.311	1.356	96.68	0.15
802.11ac(VHT40)	5755	SISO	1	0.622	0.665	93.53	0.29
	5795	SISO	1	0.622	0.664	93.67	0.28
802.11ac(VHT80)	5775	SISO	1	0.324	0.368	88.04	0.55

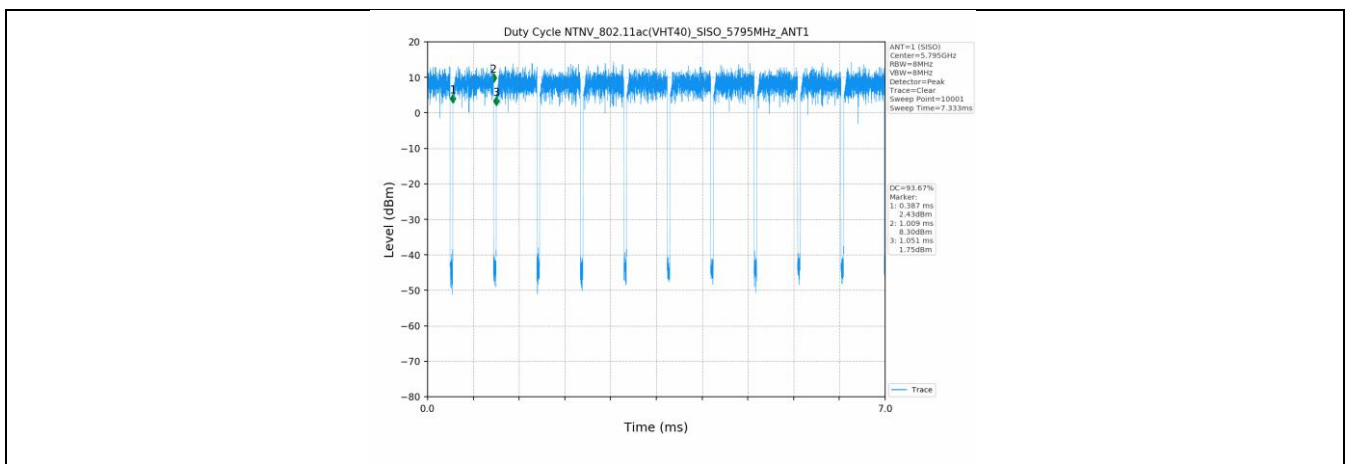
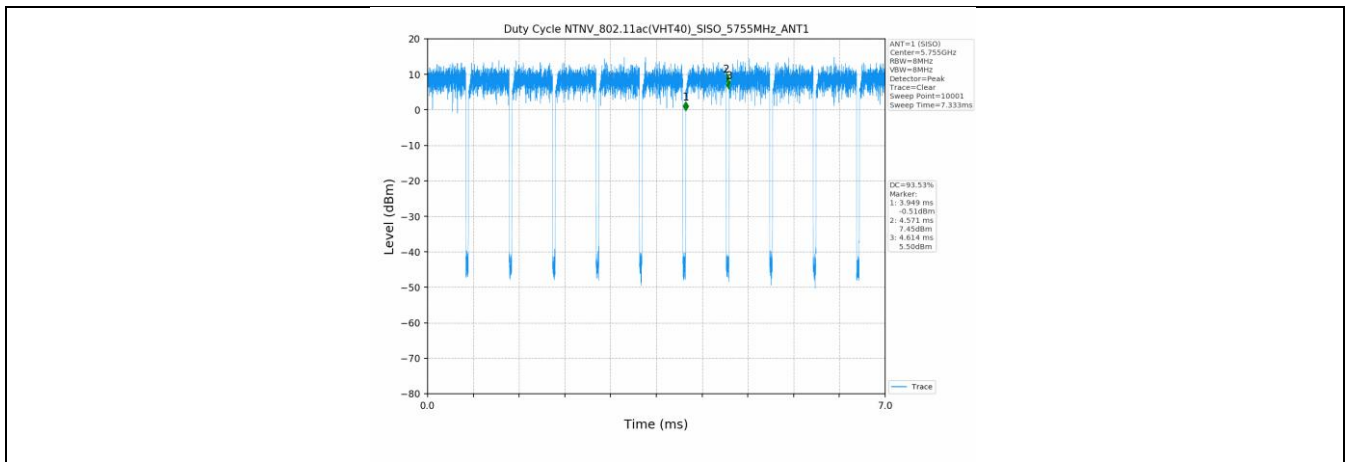
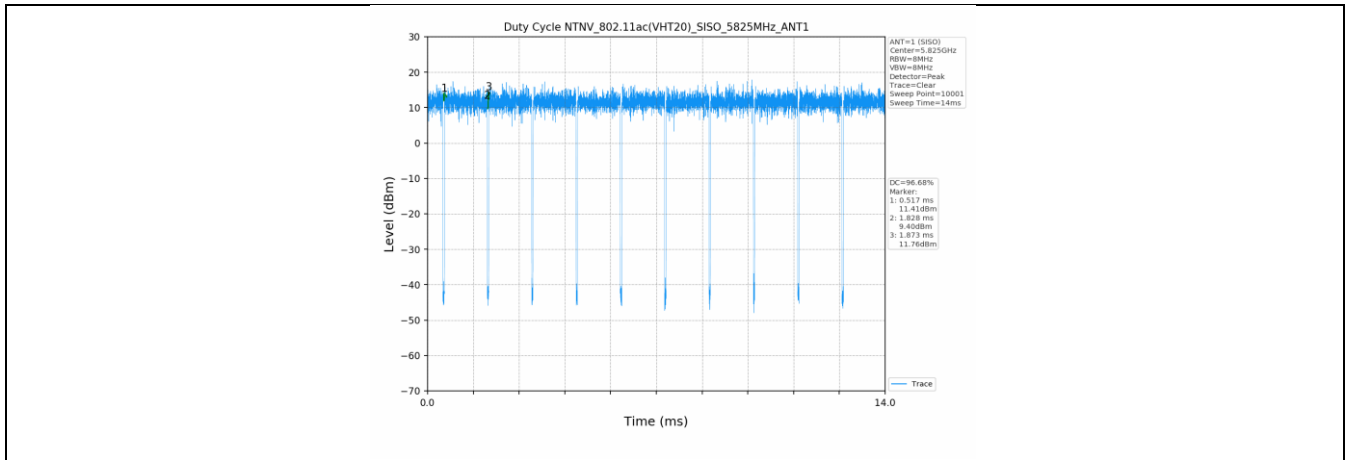
1.2 Test Graph

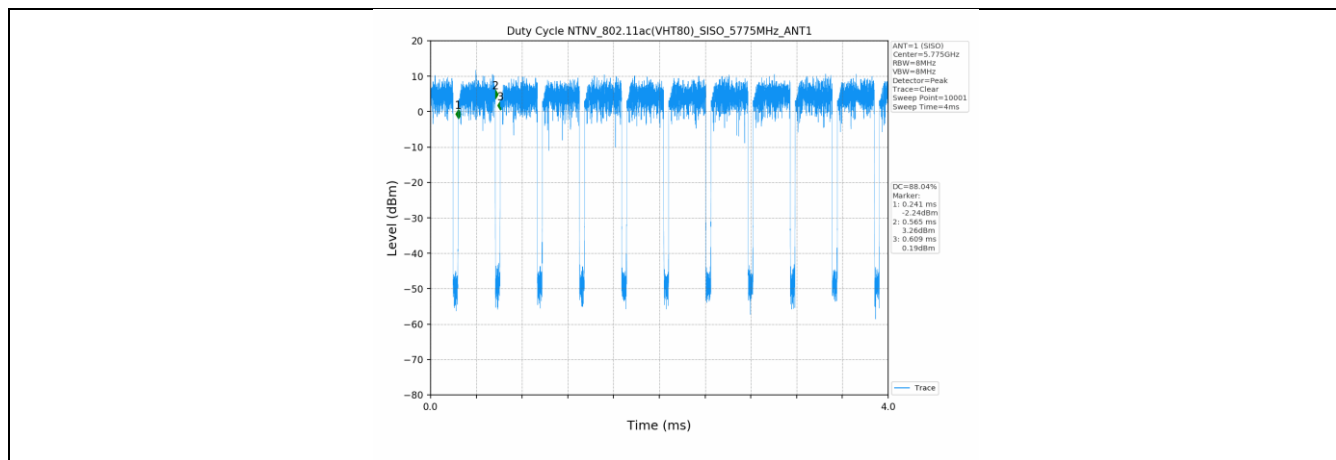












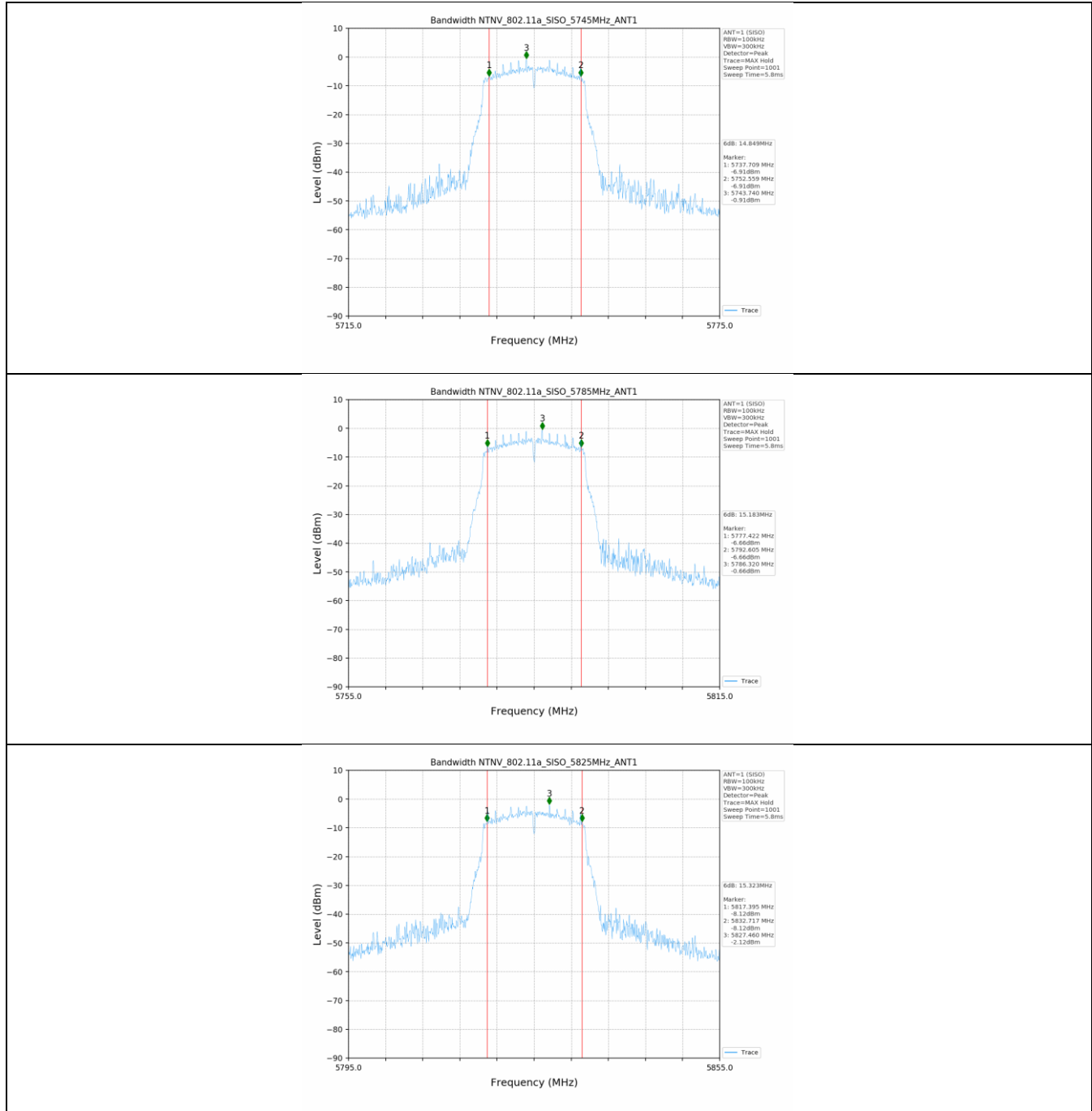
2. Bandwidth

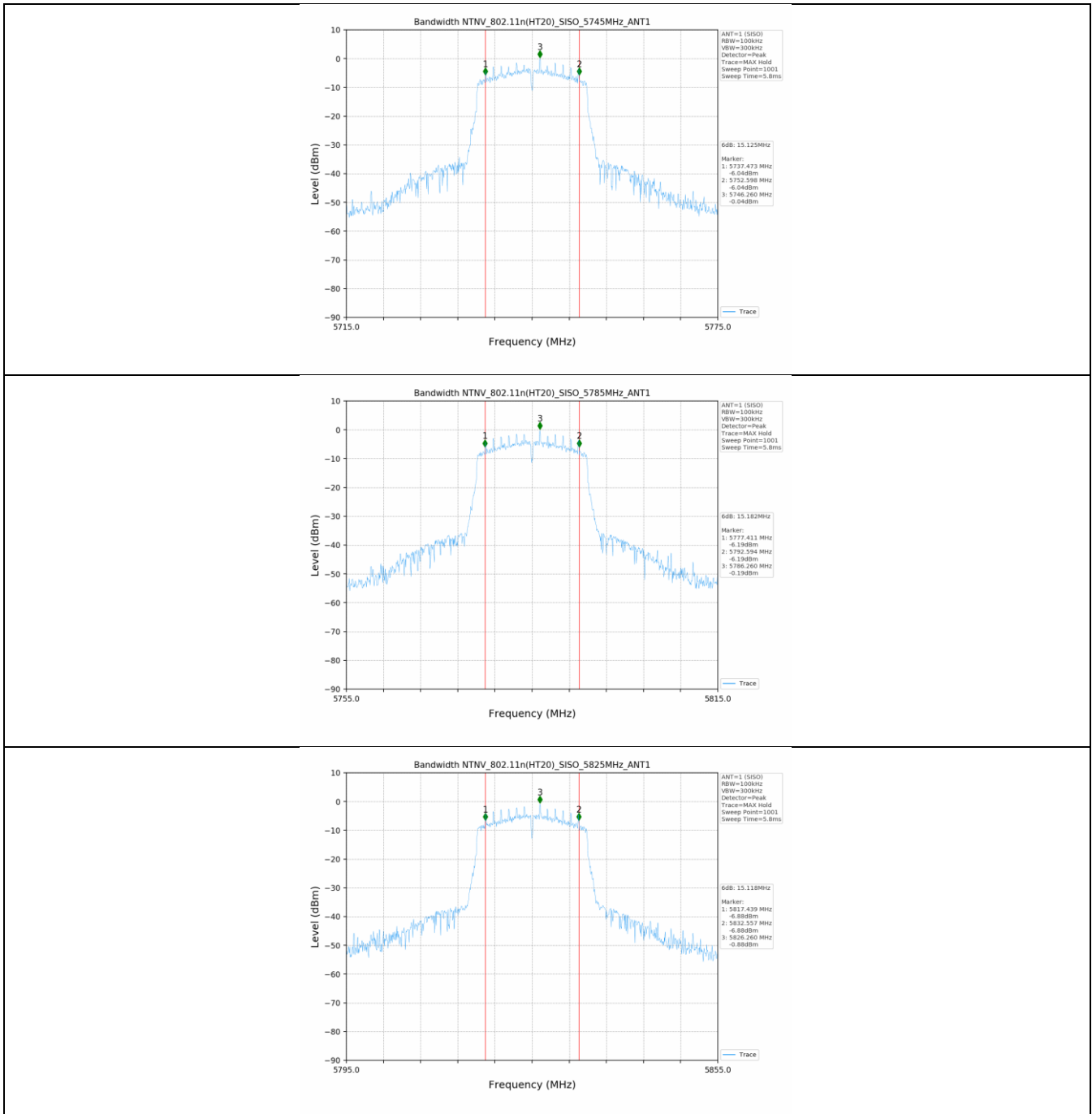
2.1 Test Result

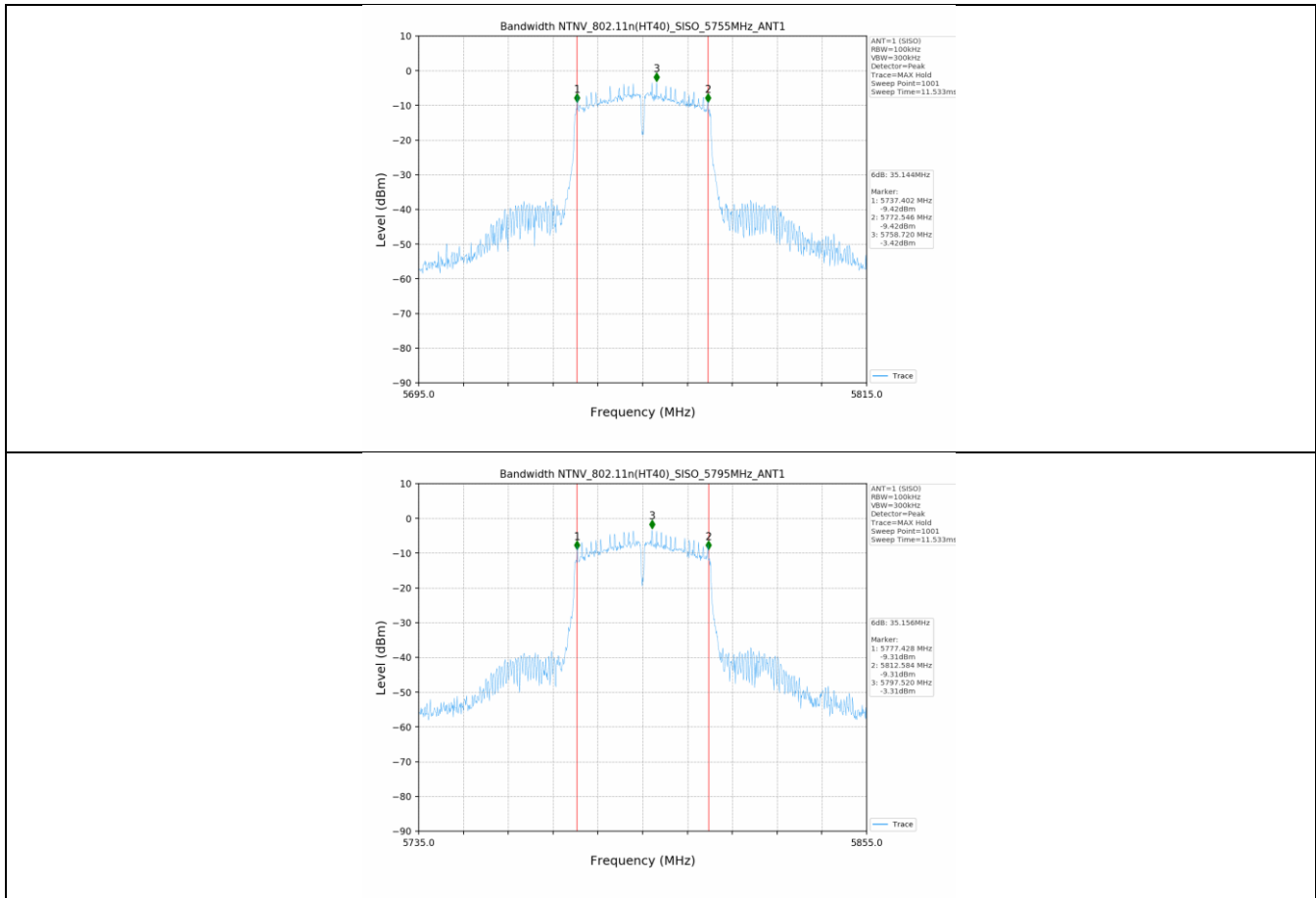
Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11a	5745	SISO	1	14.849	≥0.5	PASS
	5785	SISO	1	15.183	≥0.5	PASS
	5825	SISO	1	15.323	≥0.5	PASS
802.11n(HT20)	5745	SISO	1	15.125	≥0.5	PASS
	5785	SISO	1	15.182	≥0.5	PASS
	5825	SISO	1	15.118	≥0.5	PASS
802.11n(HT40)	5755	SISO	1	35.144	≥0.5	PASS
	5795	SISO	1	35.156	≥0.5	PASS
802.11ac(VHT20)	5745	SISO	1	15.146	≥0.5	PASS
	5785	SISO	1	15.195	≥0.5	PASS
	5825	SISO	1	15.152	≥0.5	PASS
802.11ac(VHT40)	5755	SISO	1	33.951	≥0.5	PASS
	5795	SISO	1	35.169	≥0.5	PASS
802.11ac(VHT80)	5775	SISO	1	75.147	≥0.5	PASS

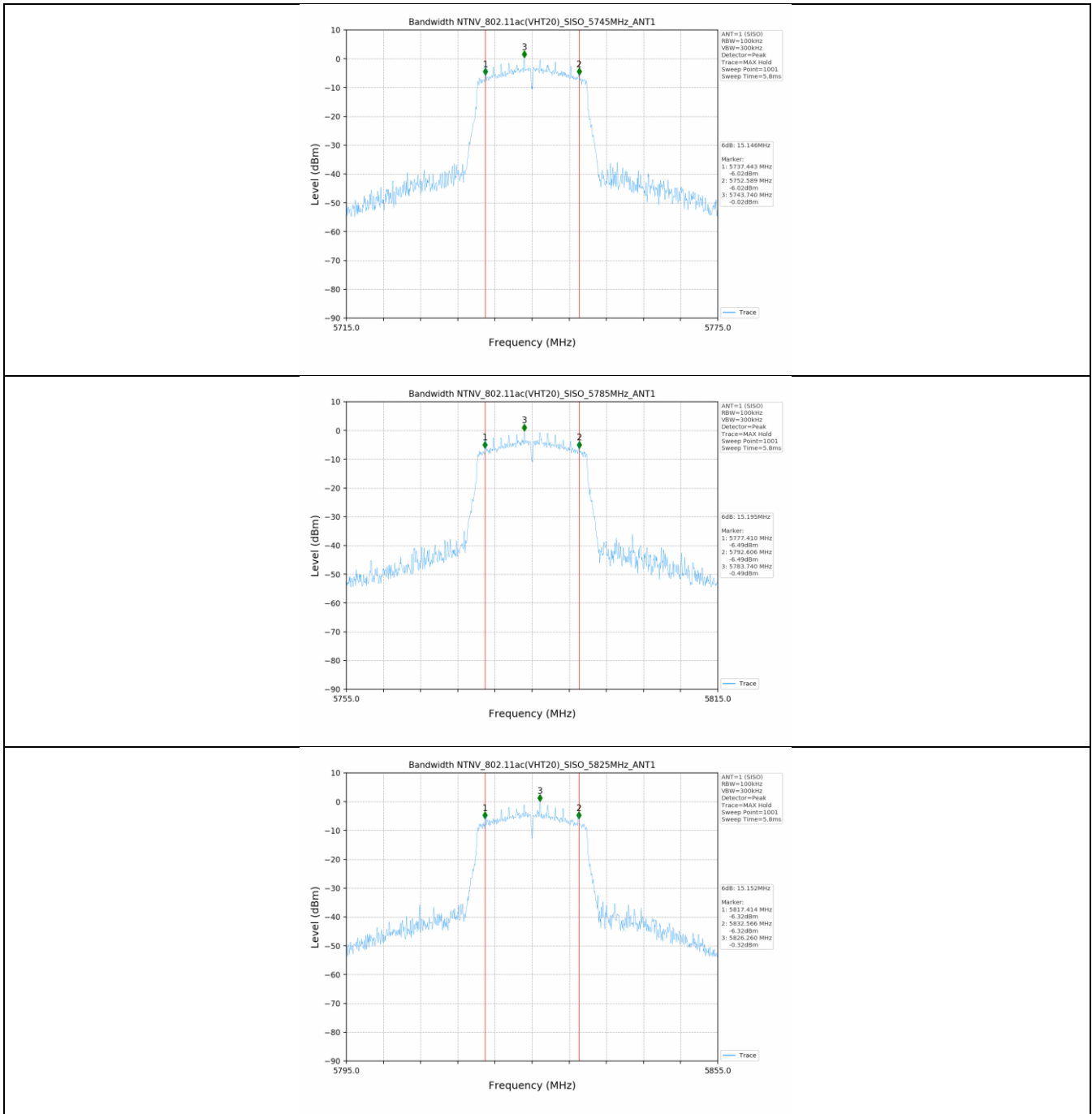
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11a	5745	SISO	1	16.627	Only for Report Use
	5785	SISO	1	16.608	Only for Report Use
	5825	SISO	1	16.648	Only for Report Use
802.11n(HT20)	5745	SISO	1	17.678	Only for Report Use
	5785	SISO	1	17.698	Only for Report Use
	5825	SISO	1	17.725	Only for Report Use
802.11n(HT40)	5755	SISO	1	36.333	Only for Report Use
	5795	SISO	1	36.390	Only for Report Use
802.11ac(VHT20)	5745	SISO	1	17.686	Only for Report Use
	5785	SISO	1	17.635	Only for Report Use
	5825	SISO	1	17.730	Only for Report Use
802.11ac(VHT40)	5755	SISO	1	36.149	Only for Report Use
	5795	SISO	1	36.162	Only for Report Use
802.11ac(VHT80)	5775	SISO	1	75.329	Only for Report Use

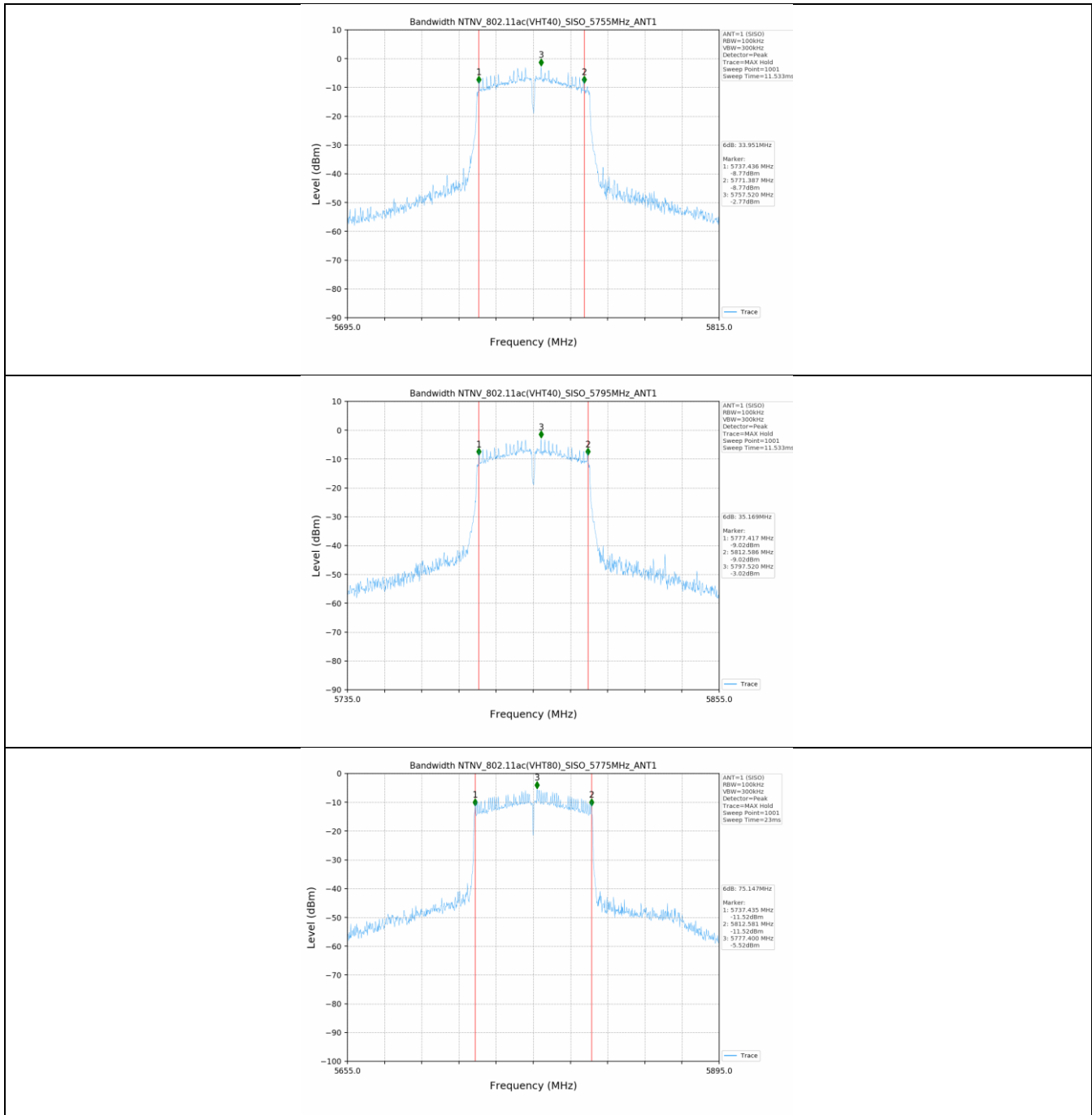
2.2 Test Graph - Emission Bandwidth



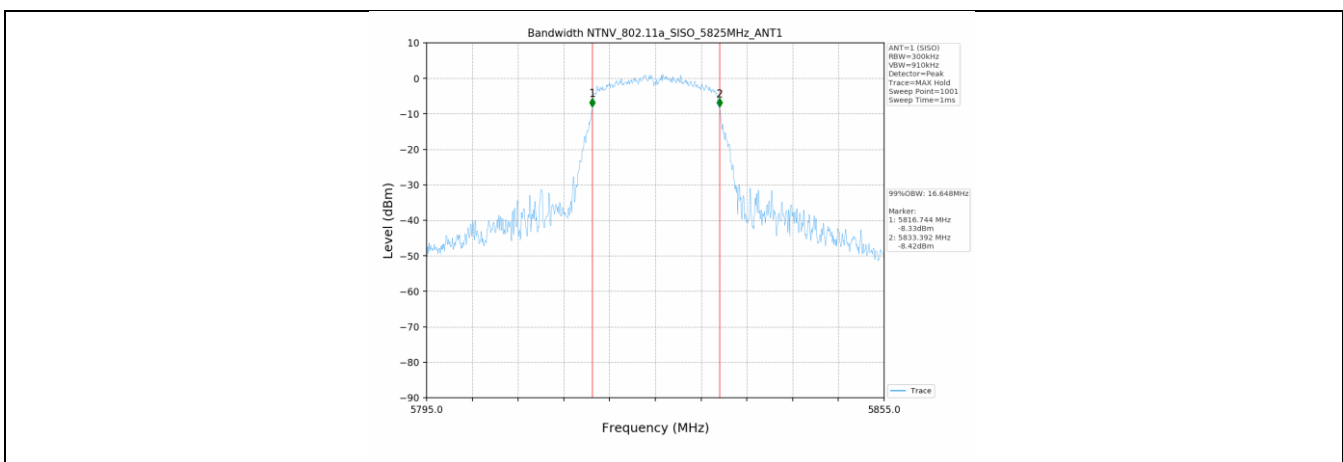
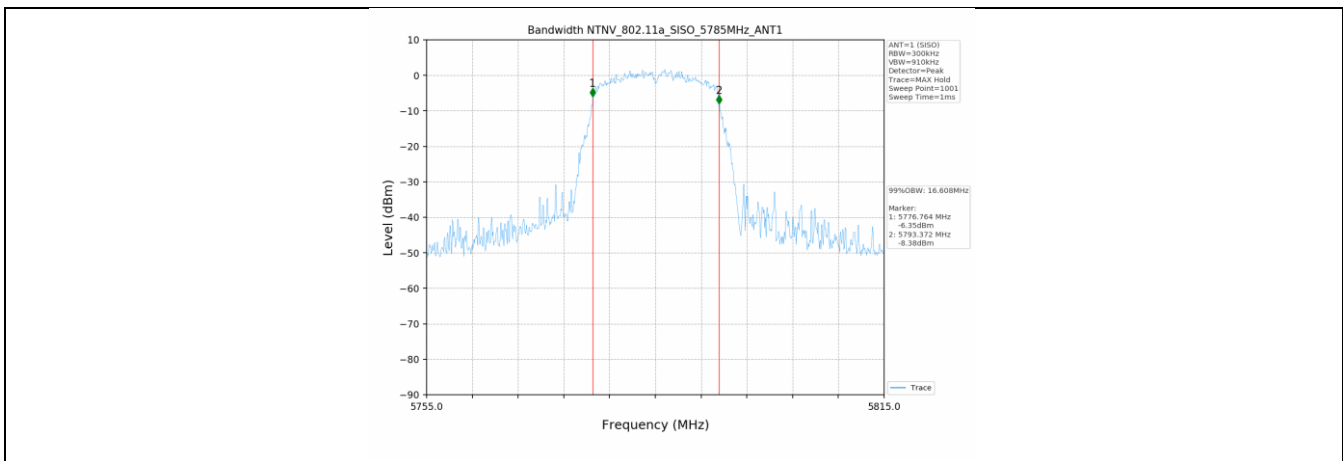
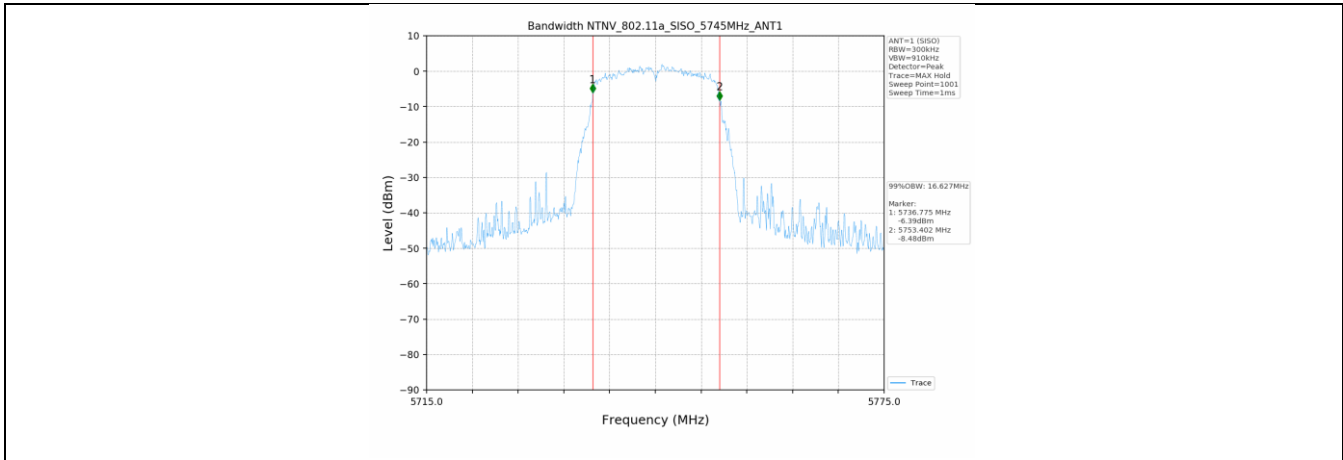


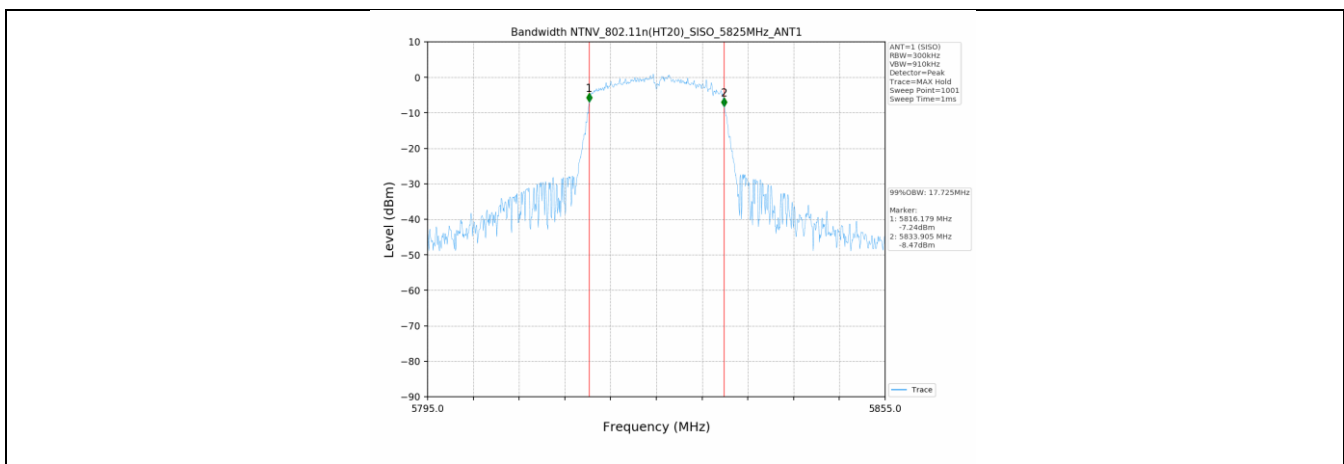
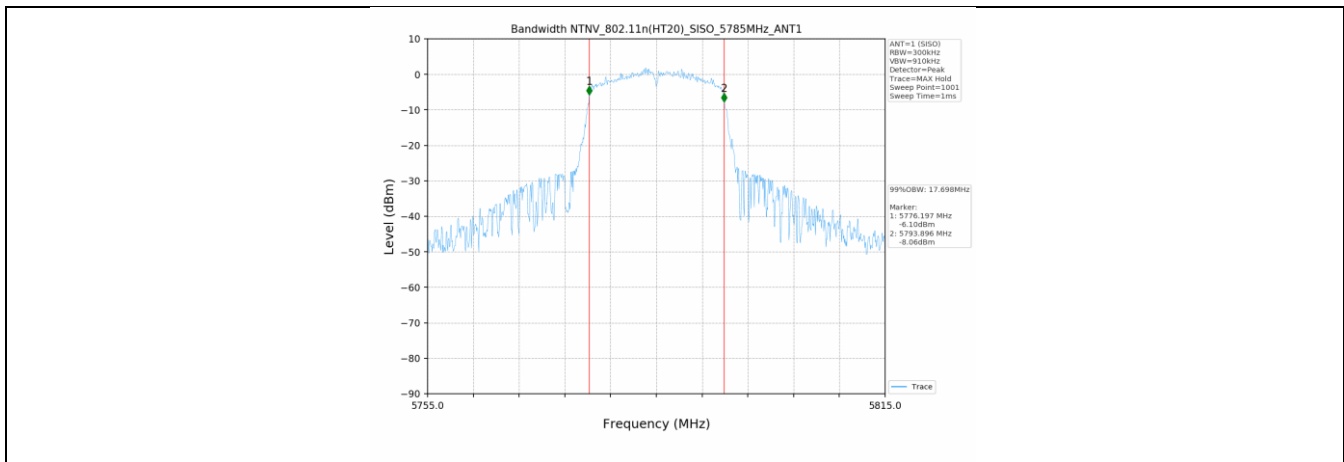
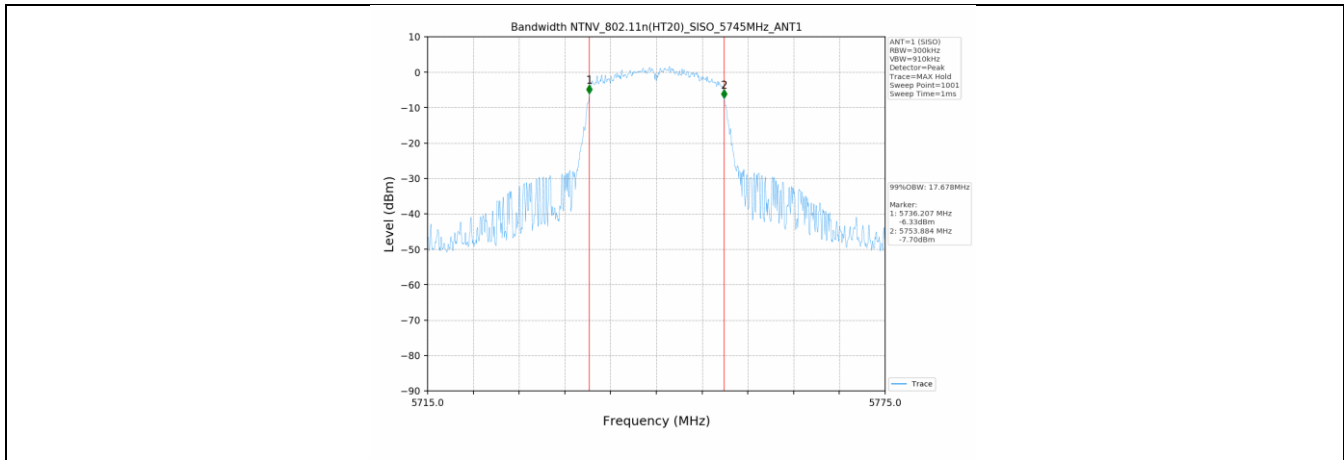


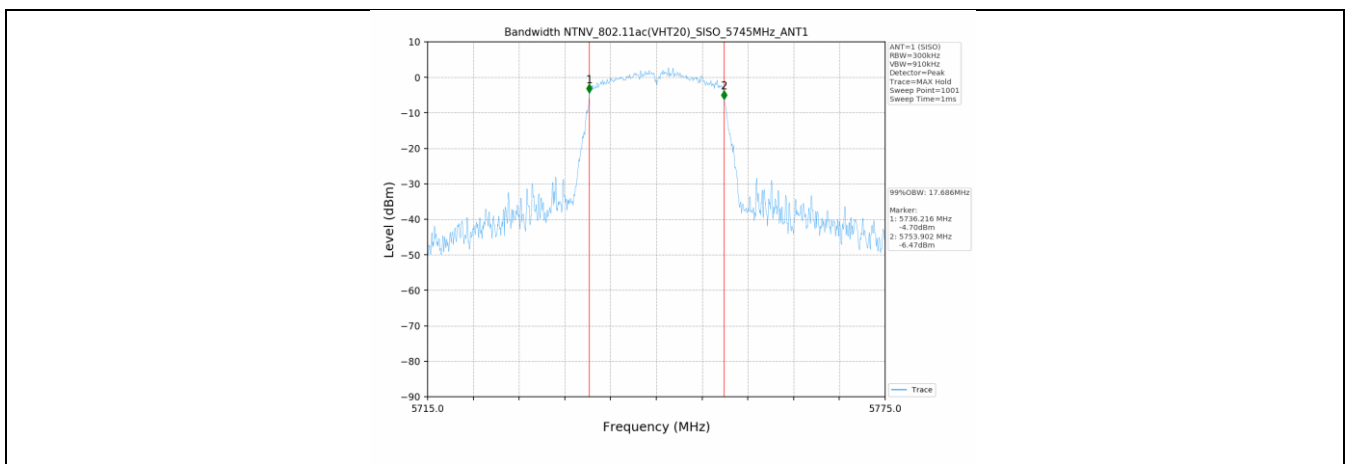
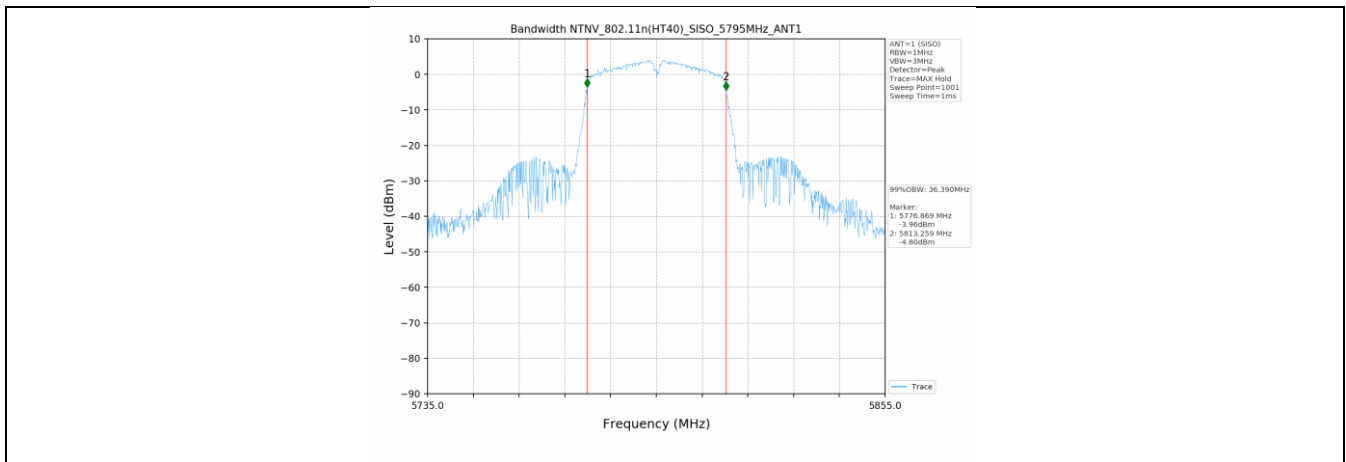
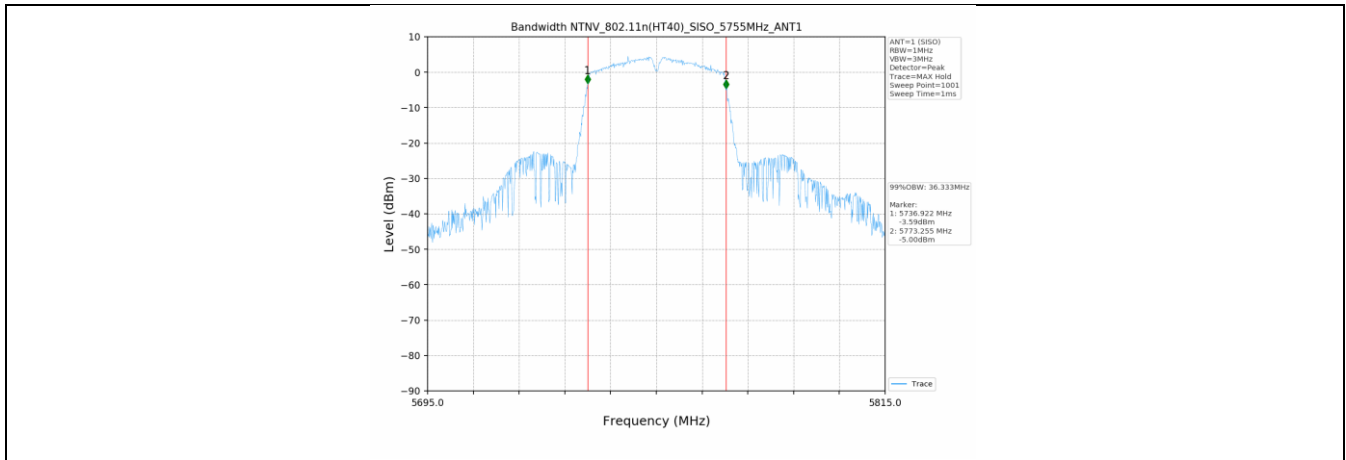


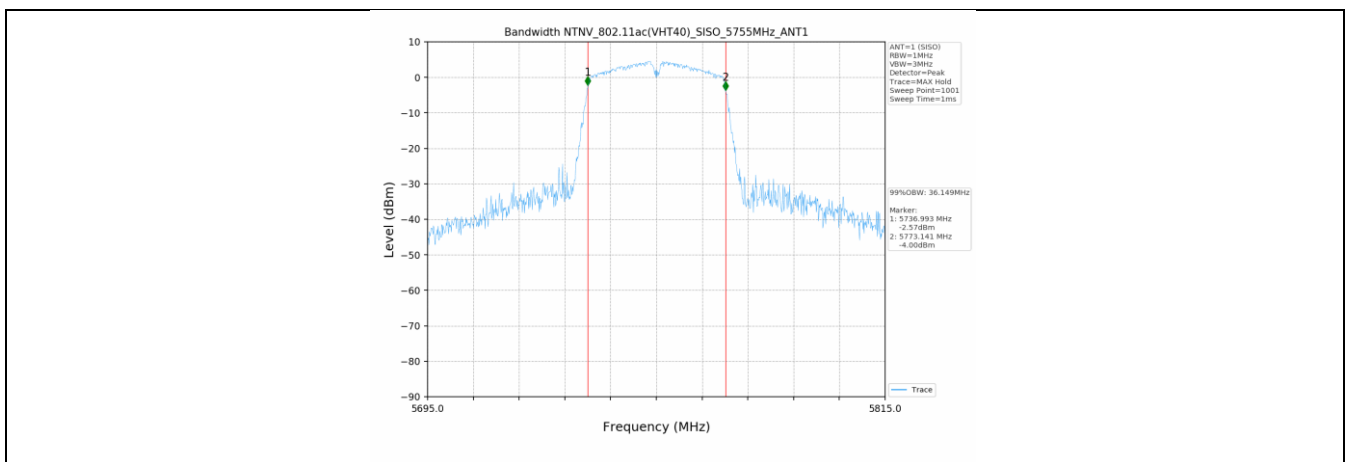
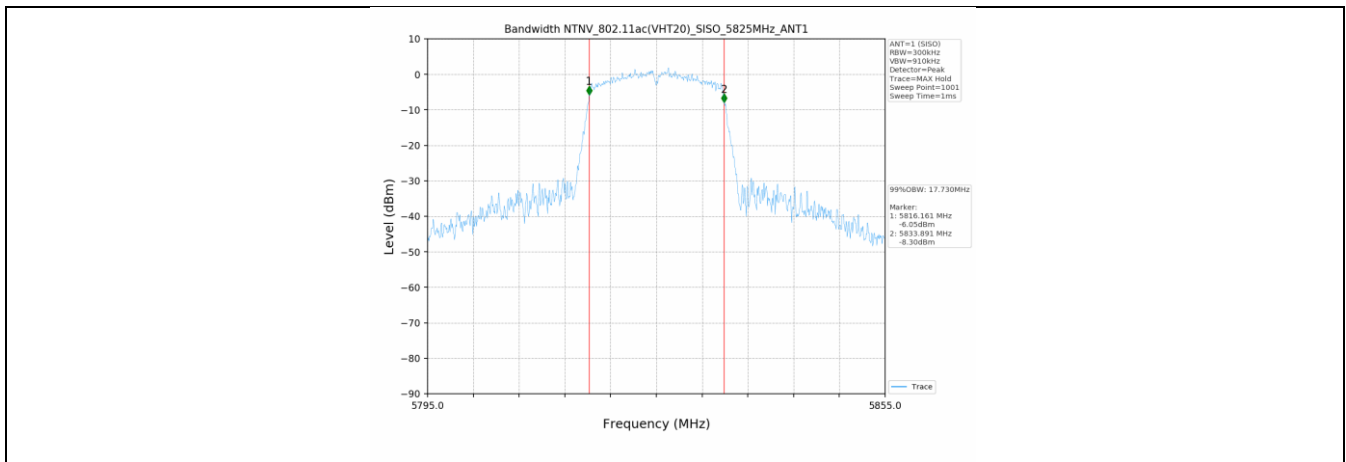
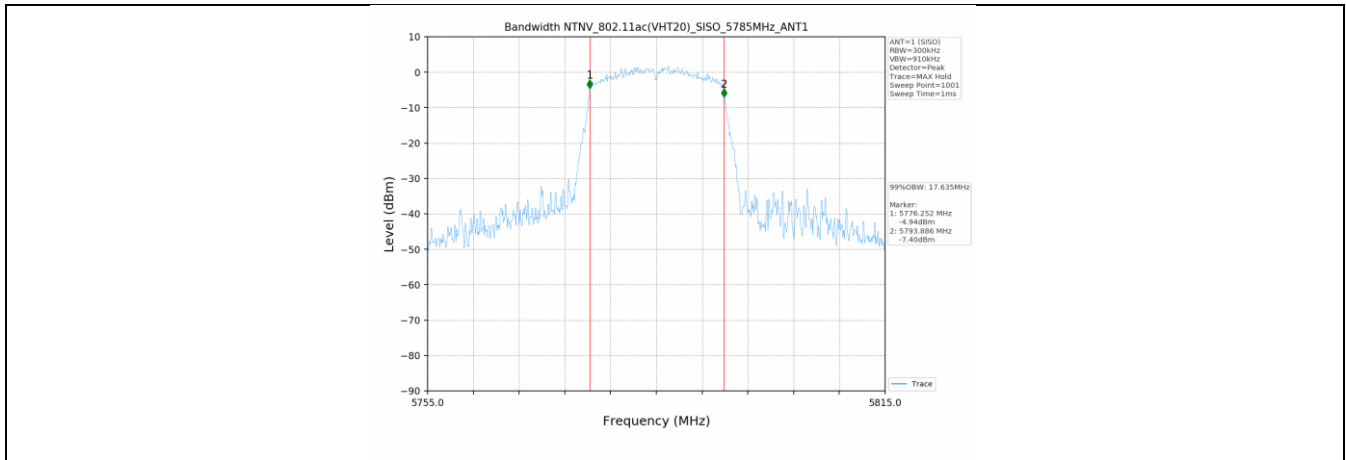


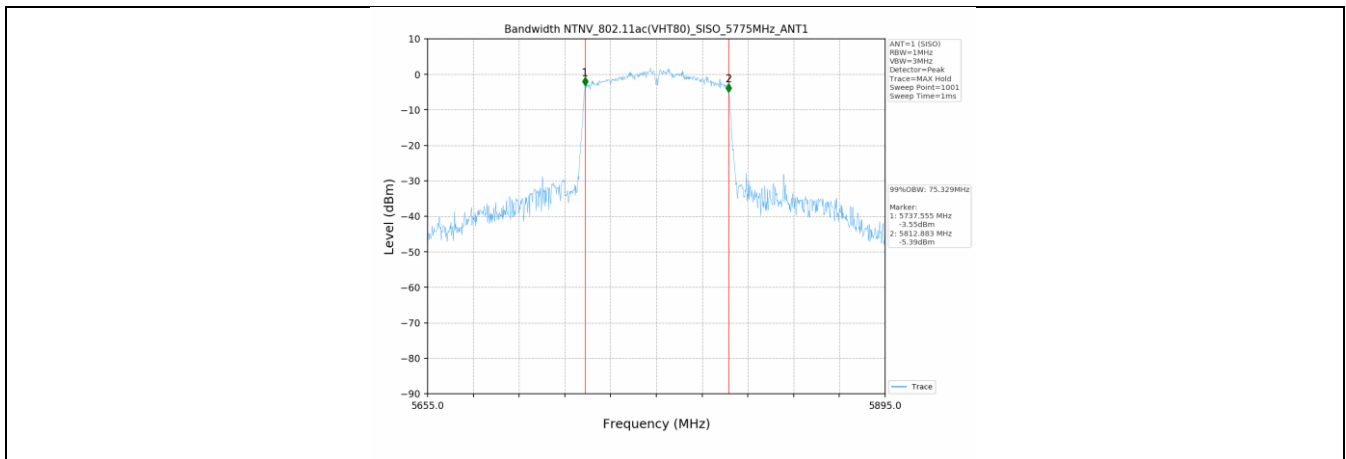
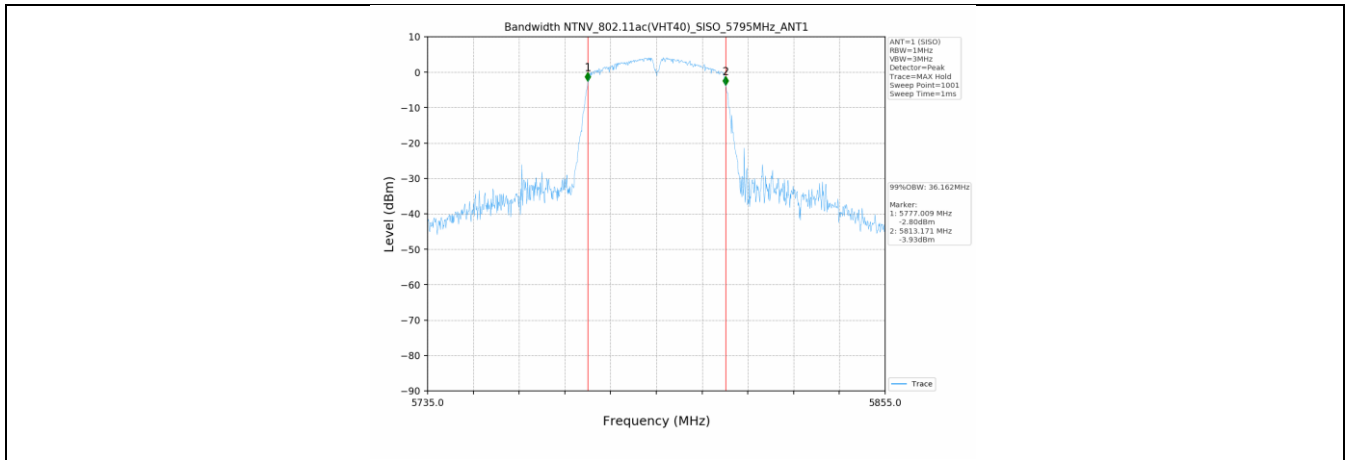
2.3 Test Graph - 99% Occupied Bandwidth











3. Maximum Conducted Output Power

3.1 Test Result

Test Mode	Frequency(MHz)	ANT	Measured Output Power (dBm)	Limit (dBm)	Verdict
802.11a	5745	1	7.08	≤30	PASS
	5785	1	7.11	≤30	PASS
	5825	1	7.16	≤30	PASS
802.11n(HT20)	5745	1	6.00	≤30	PASS
	5785	1	6.72	≤30	PASS
	5825	1	6.00	≤30	PASS
802.11n(HT40)	5755	1	6.82	≤30	PASS
	5795	1	6.54	≤30	PASS
802.11ac(VHT20)	5745	1	6.40	≤30	PASS
	5785	1	6.06	≤30	PASS
	5825	1	6.69	≤30	PASS
802.11ac(VHT40)	5755	1	6.22	≤30	PASS
	5795	1	6.84	≤30	PASS
802.11ac(VHT80)	5775	1	6.06	≤30	PASS

4. Maximum Power Spectral Density (PSD)

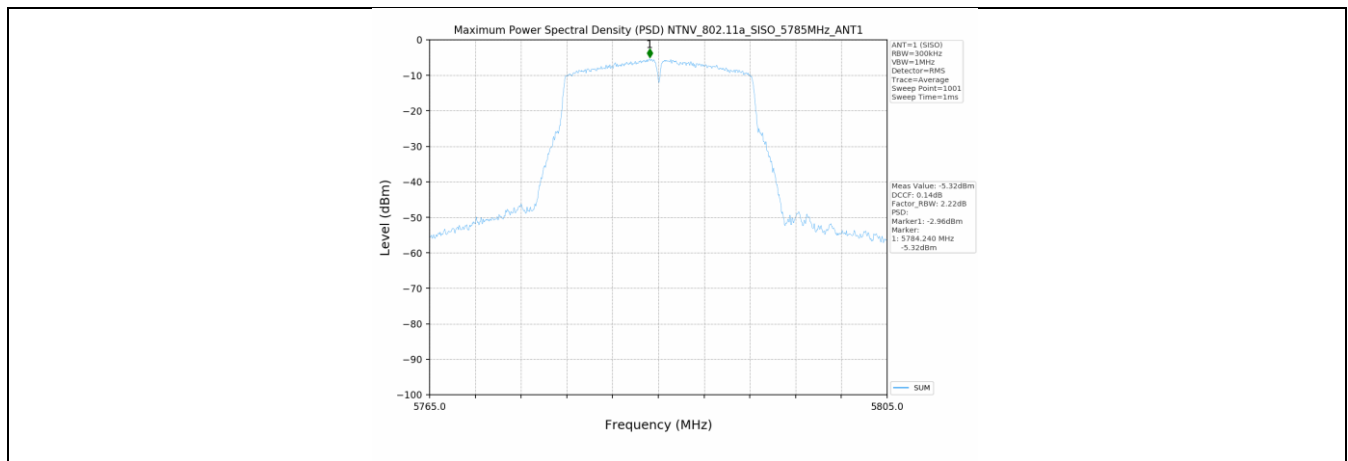
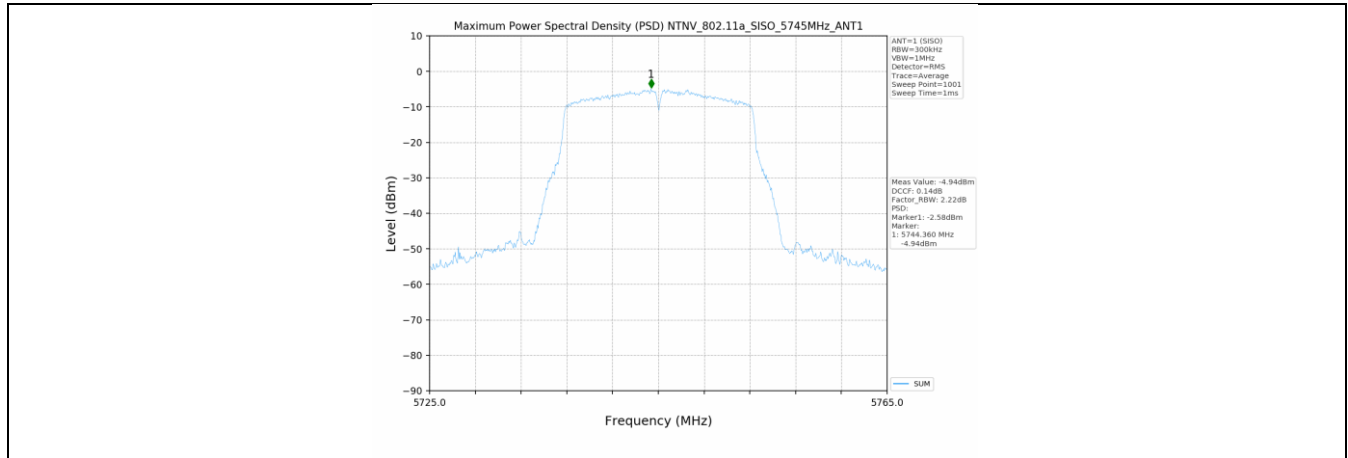
4.1 Test Result

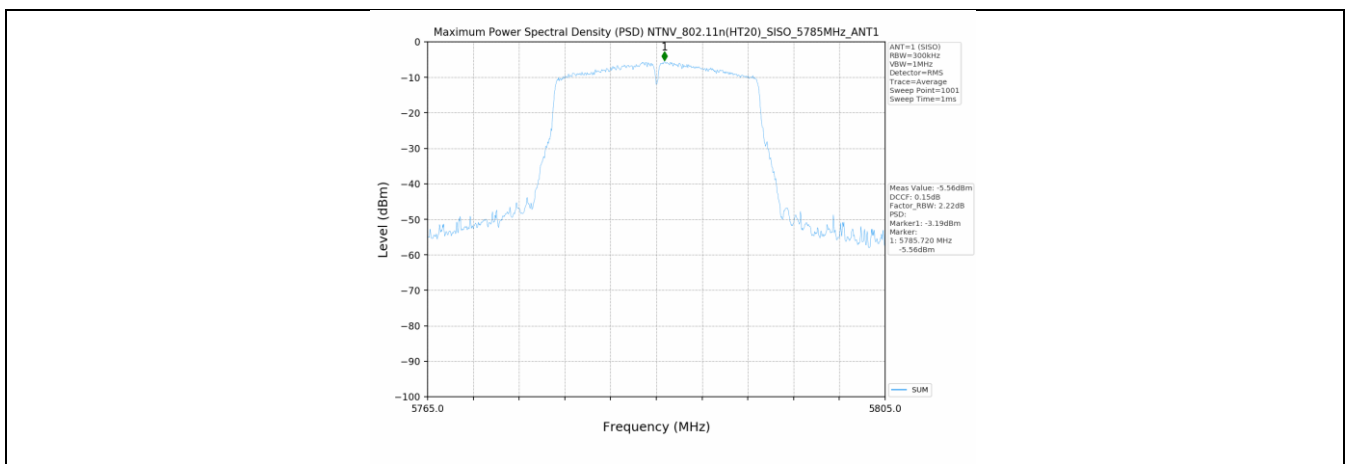
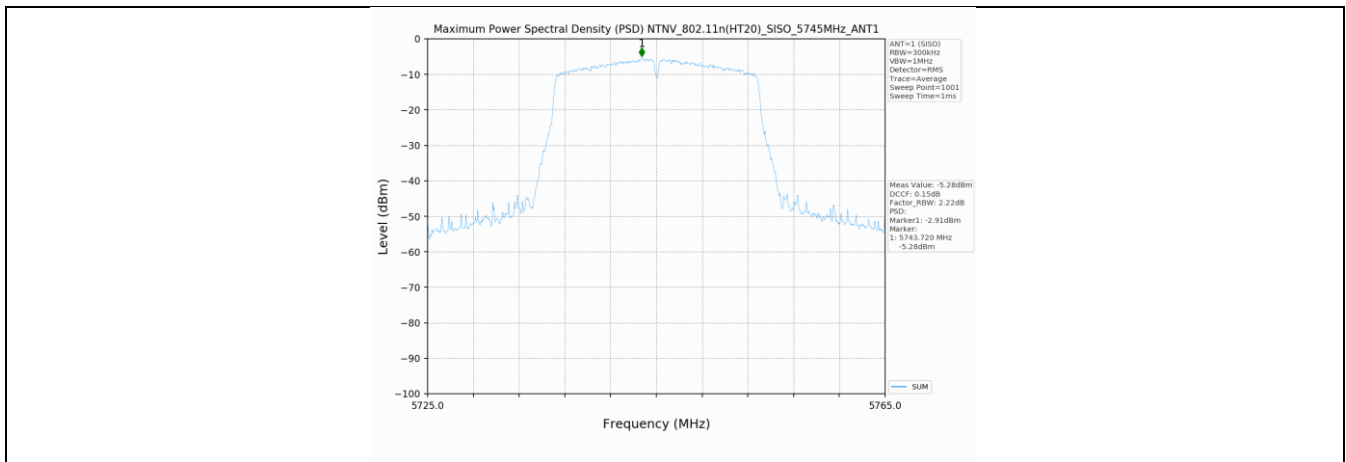
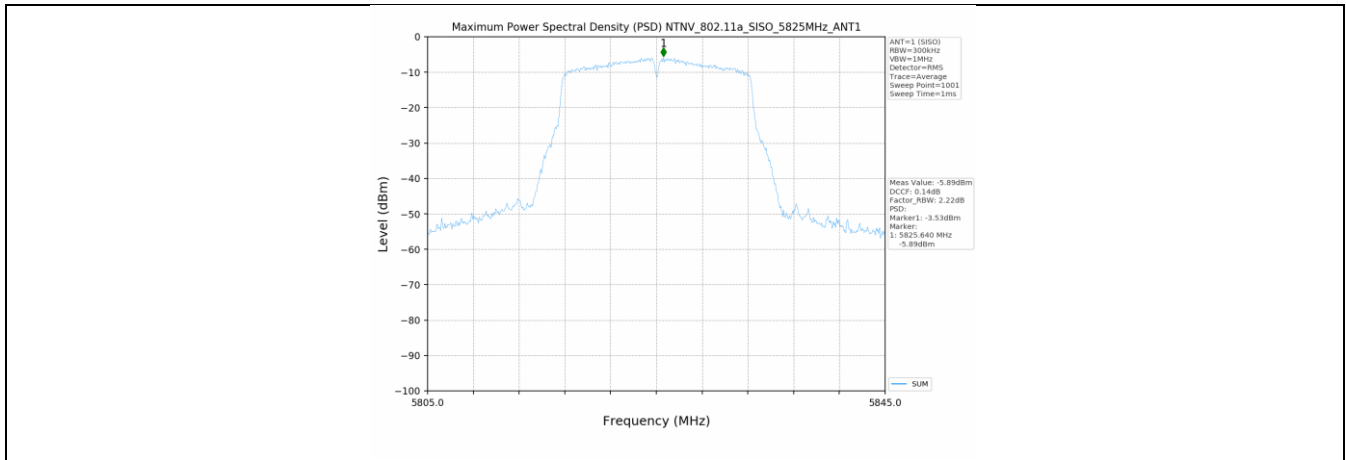
Test Mode	Frequency(MHz)	ANT	Maximum Power Spectral Density (dBm/500kHz)	Limits (dBm/500kHz)	Verdict
802.11a	5180	1	-2.58	≤30	PASS
	5200	1	-2.96	≤30	PASS
	5240	1	-3.53	≤30	PASS
802.11n(HT20)	5180	1	-2.91	≤30	PASS
	5200	1	-3.19	≤30	PASS
	5240	1	-4.29	≤30	PASS
802.11n(HT40)	5190	1	-6.46	≤30	PASS
	5230	1	-6.62	≤30	PASS
802.11ac(VHT20)	5180	1	-2.55	≤30	PASS
	5200	1	-2.77	≤30	PASS
	5240	1	-3.32	≤30	PASS
802.11ac(VHT40)	5190	1	-5.95	≤30	PASS
	5230	1	-6.25	≤30	PASS
802.11ac(VHT80)	5210	1	-8.50	≤30	PASS

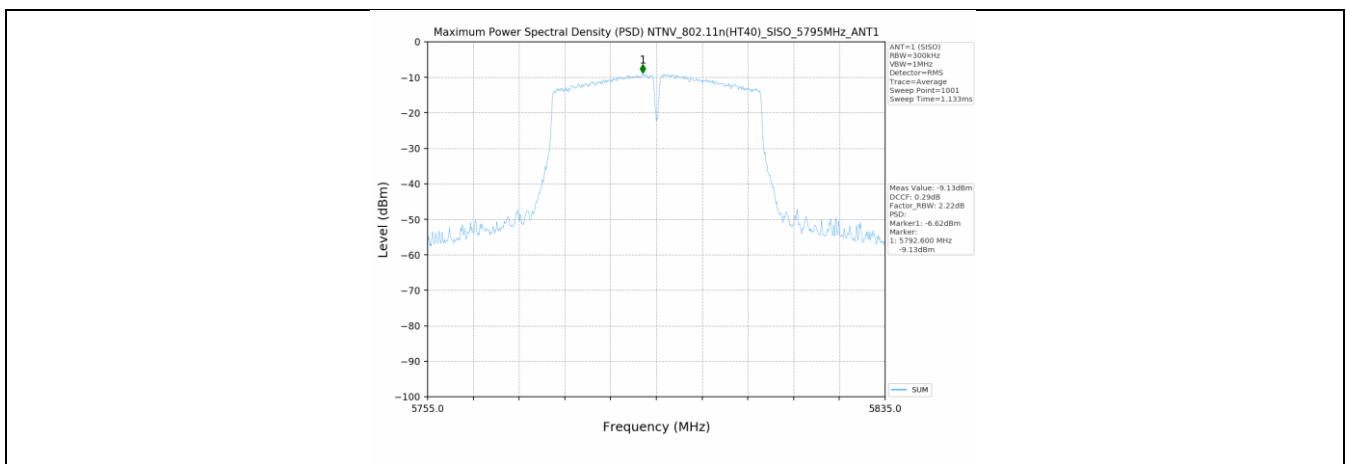
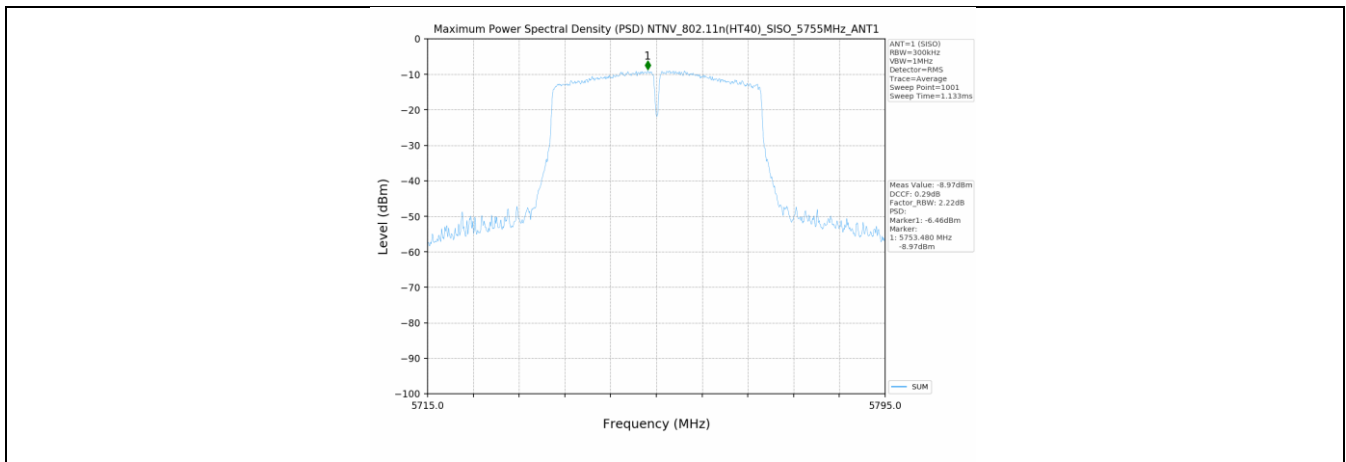
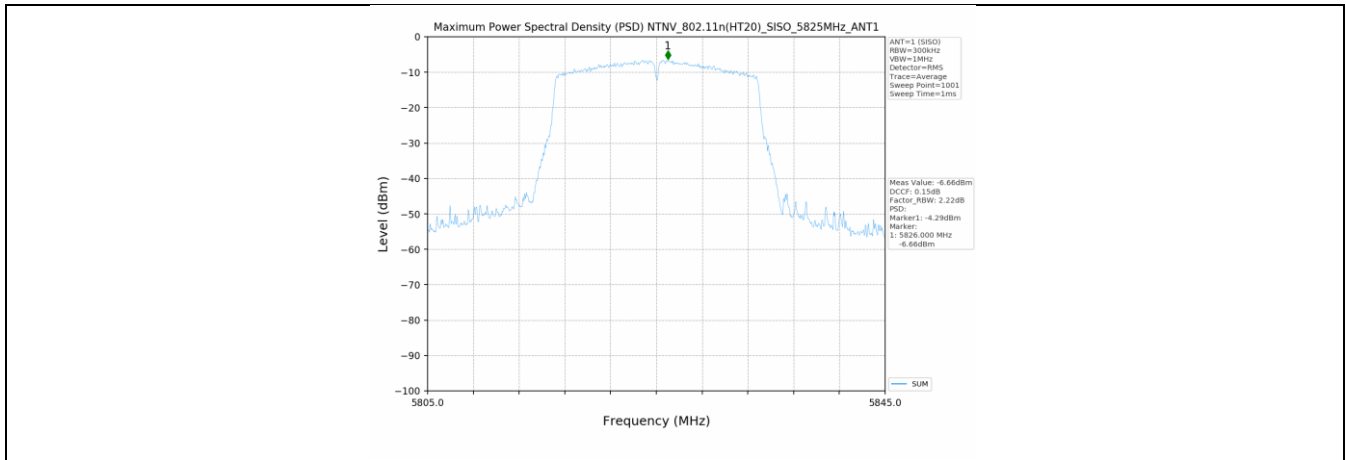
Note : 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

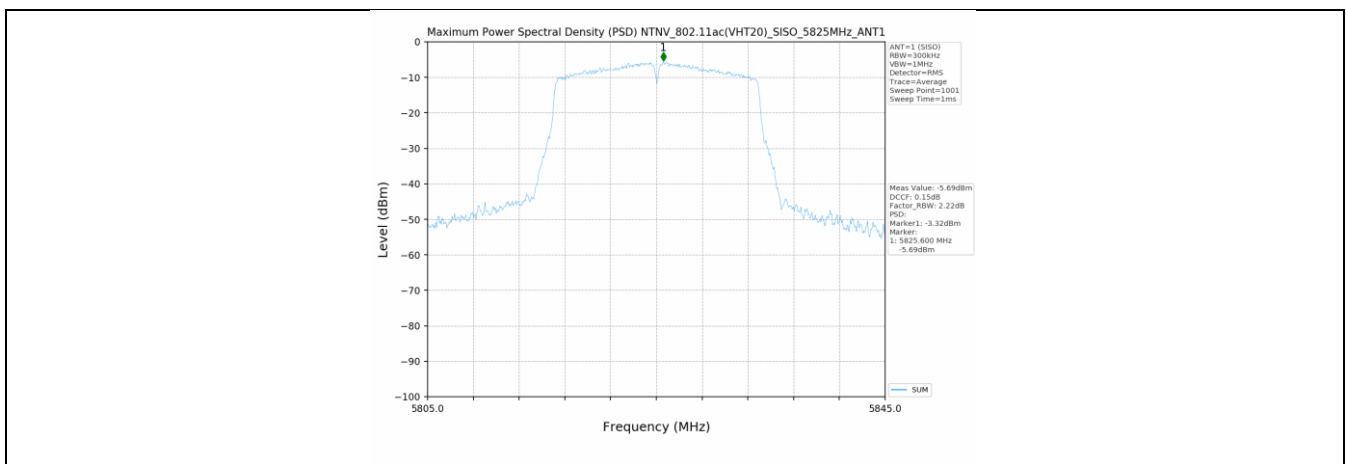
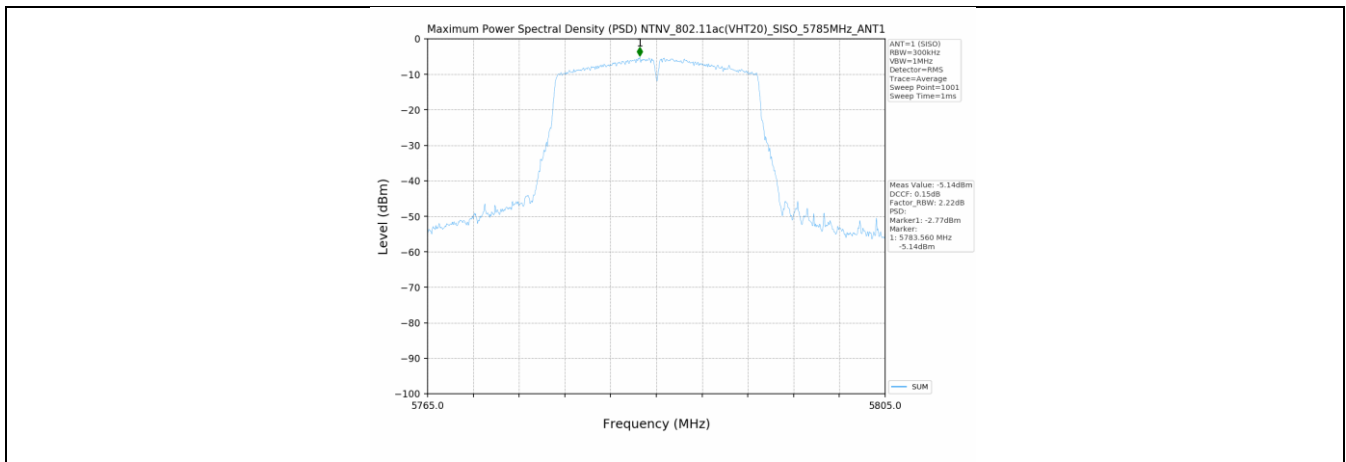
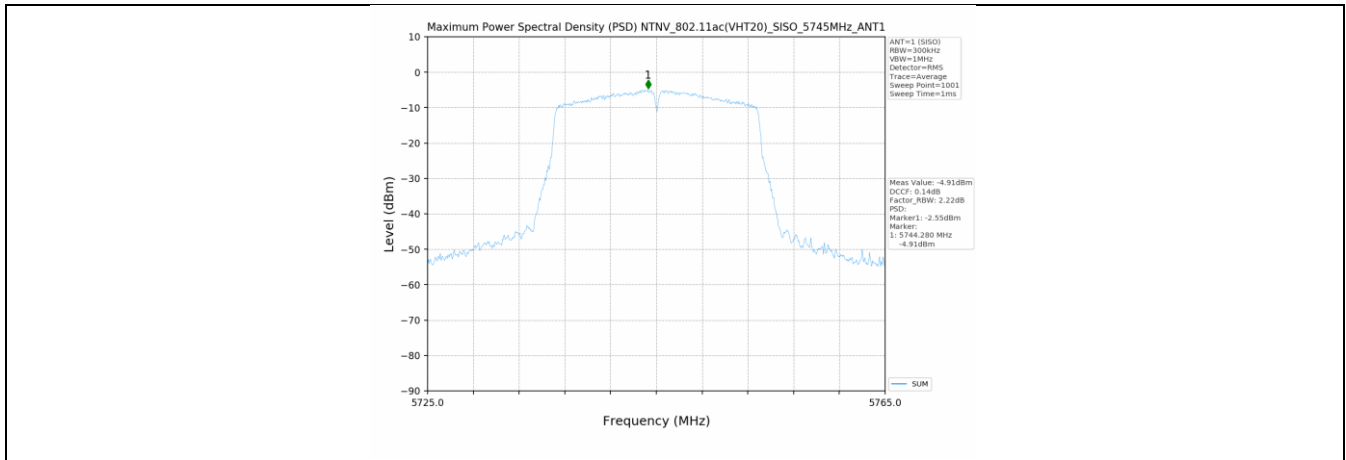
2.The Duty Cycle Factor and RBW Factor($10\log(500\text{kHz}/\text{RBW})$) is compensated in the graph.

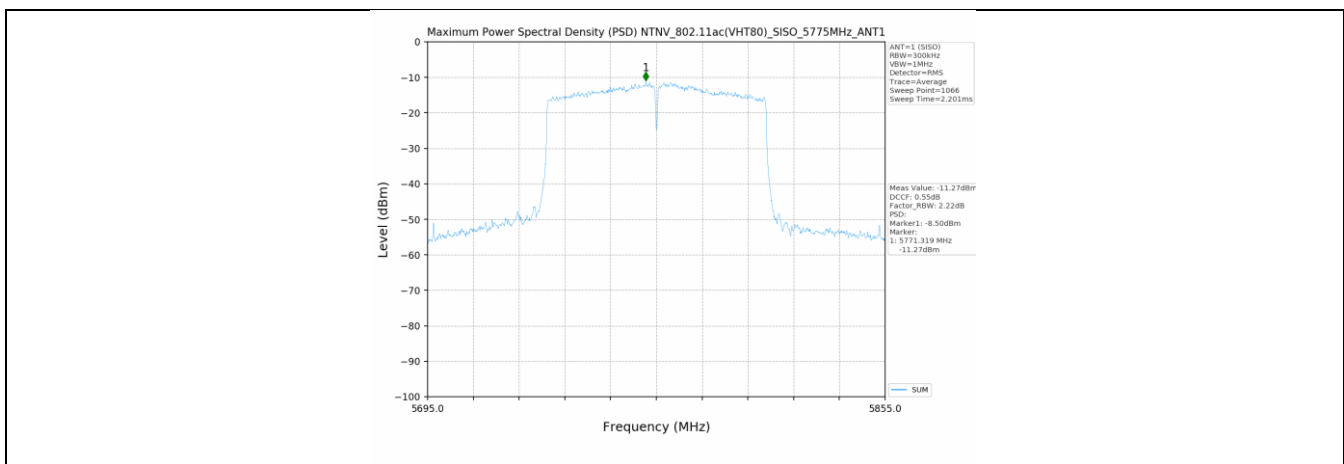
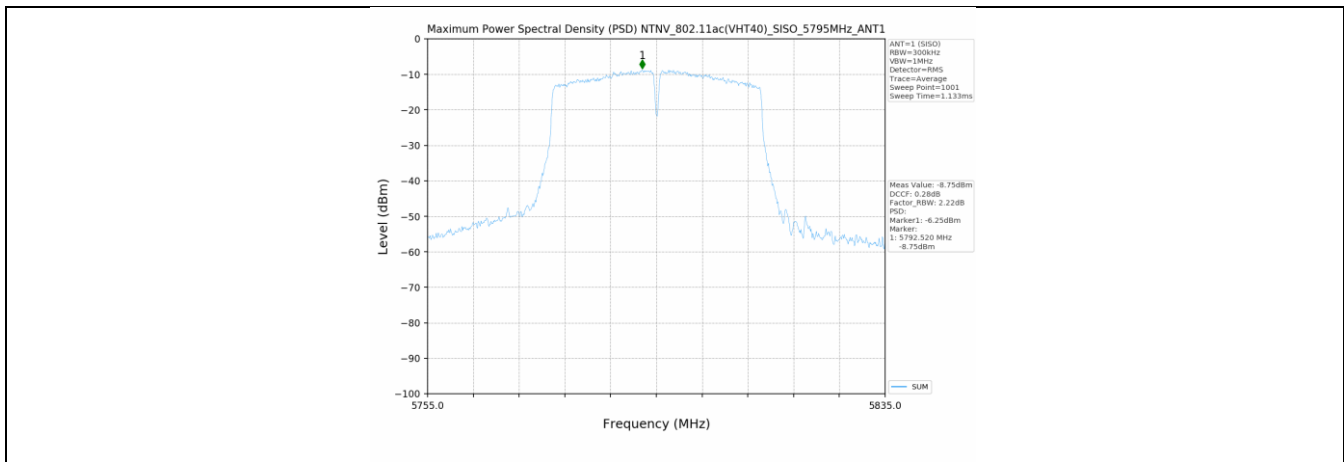
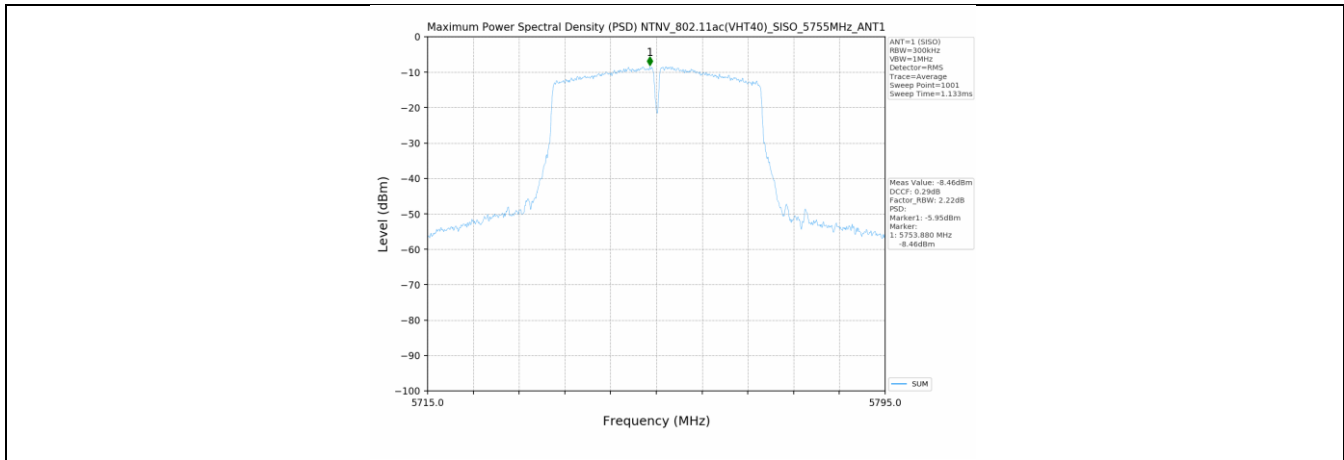
4.2 Test Graph











5. Frequency Stability

5.1 Test Result

Test Condition	Test Mode	Test Frequency [MHz]	Ant	Result [ppm]	Limit [ppm]	Verdict
NTNV	802.11a	5745	1	-3.48	<=20	PASS
		5785	1	0	<=20	PASS
		5825	1	0	<=20	PASS
	802.11ac	5775	1	13.85	<=20	PASS
	802.11n	5755	1	0	<=20	PASS
		5795	1	0	<=20	PASS