

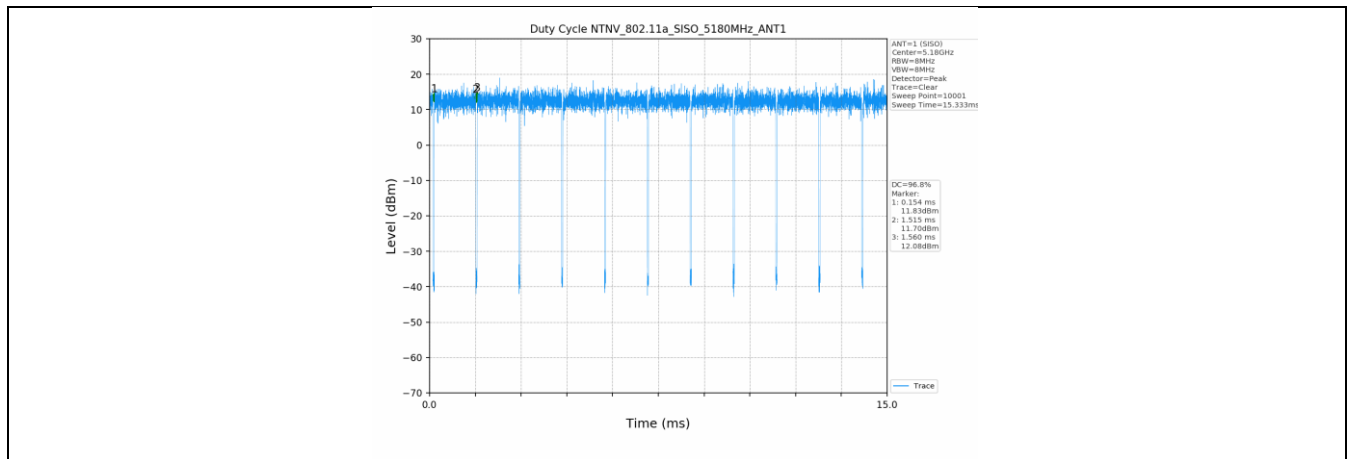
Appendix for 15.407

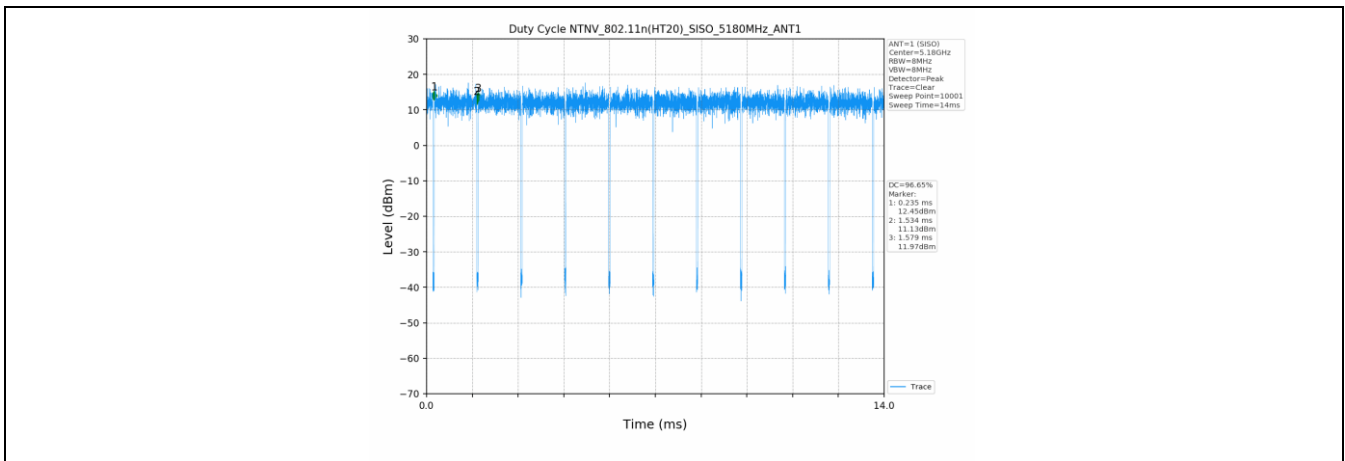
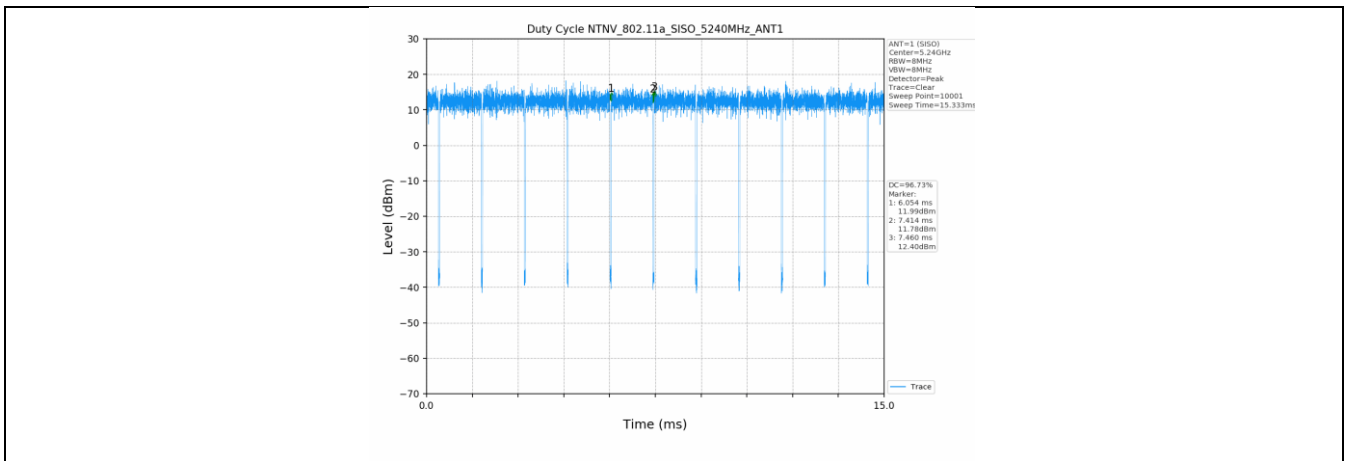
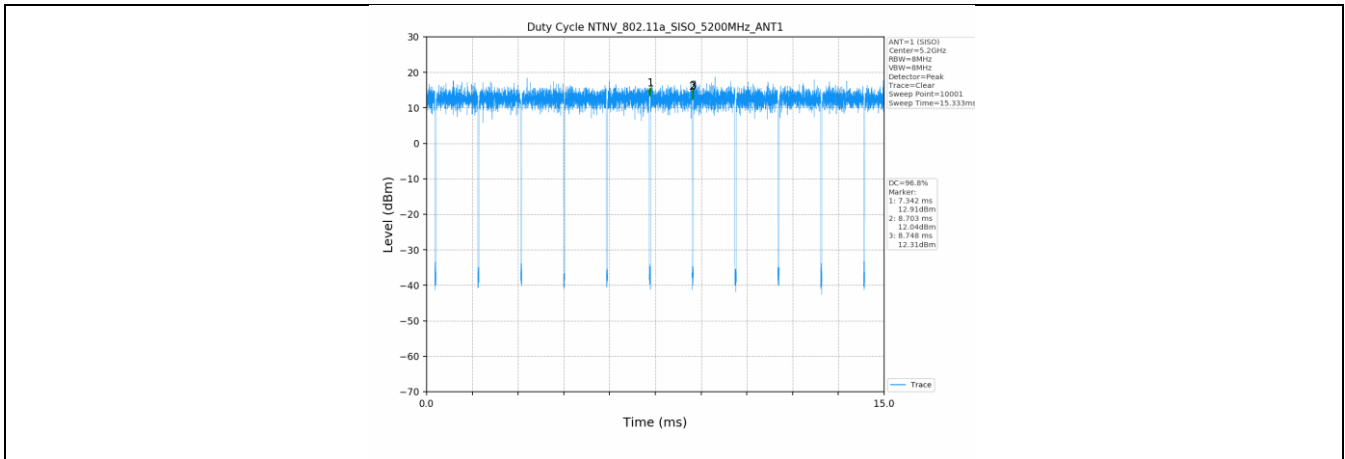
1. Duty Cycle

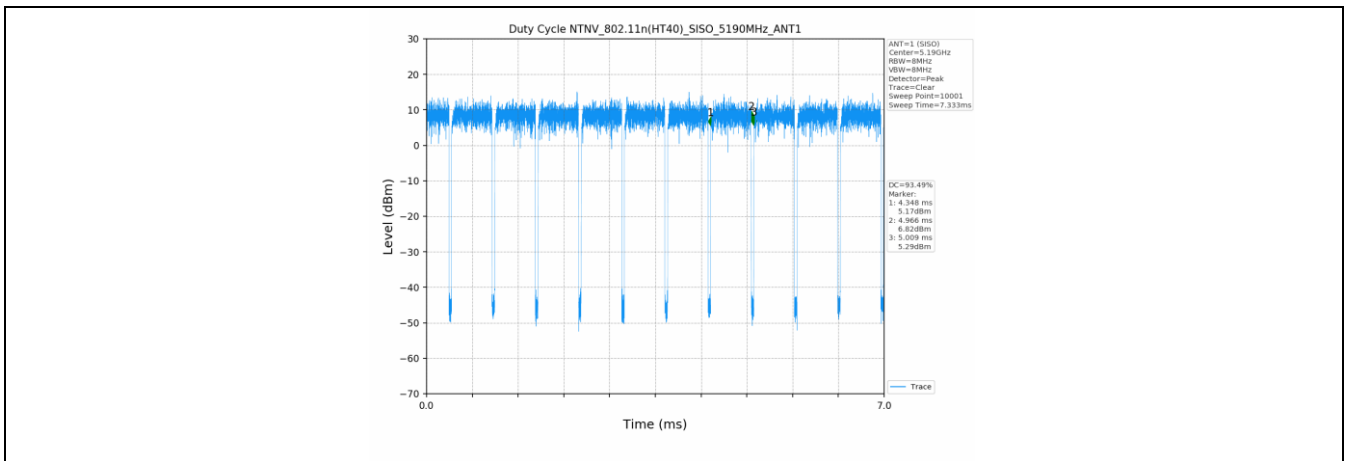
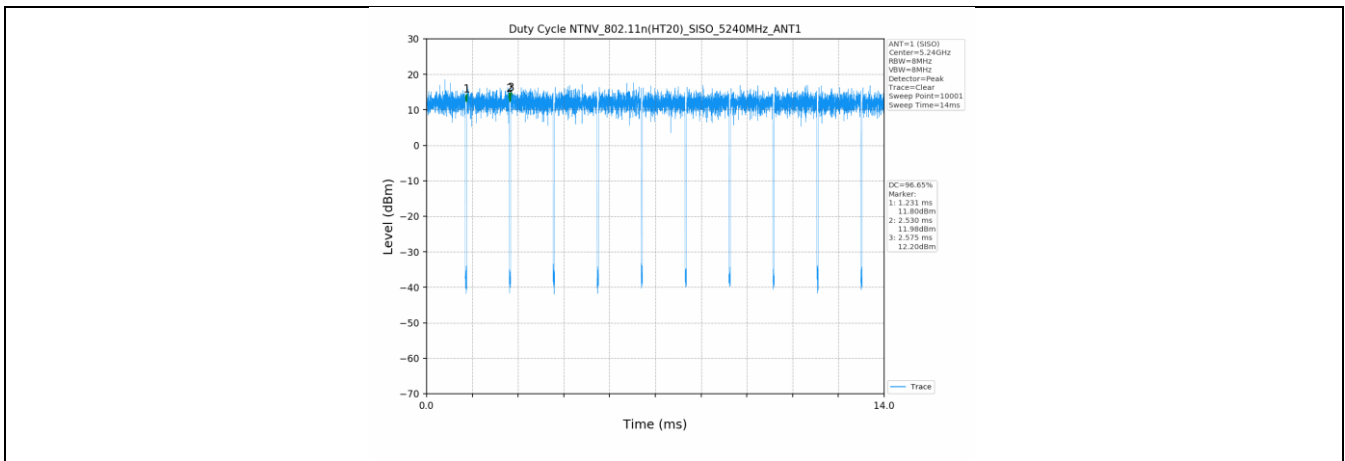
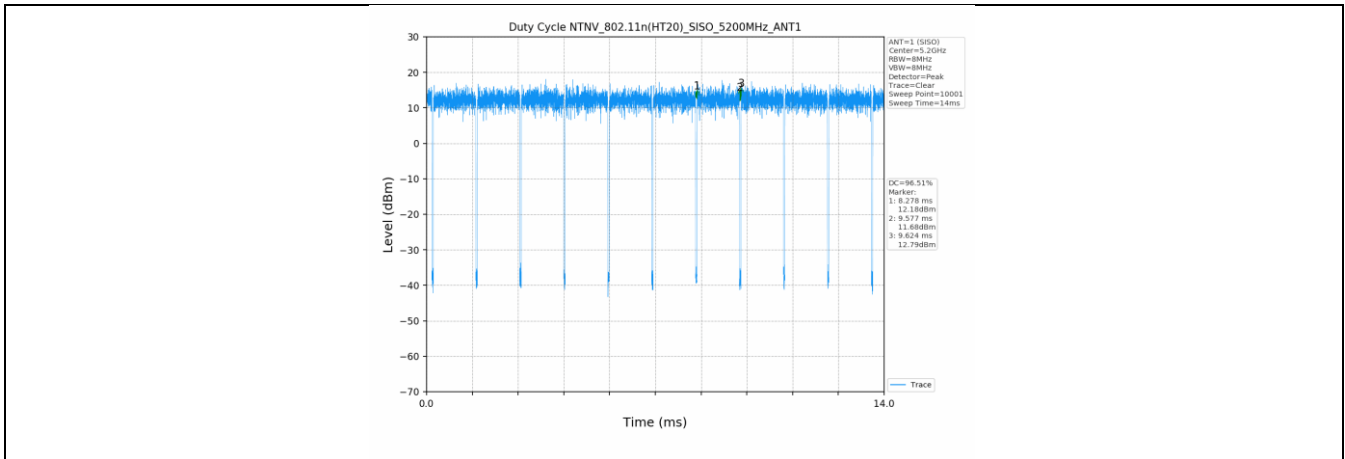
1.1 Test Result

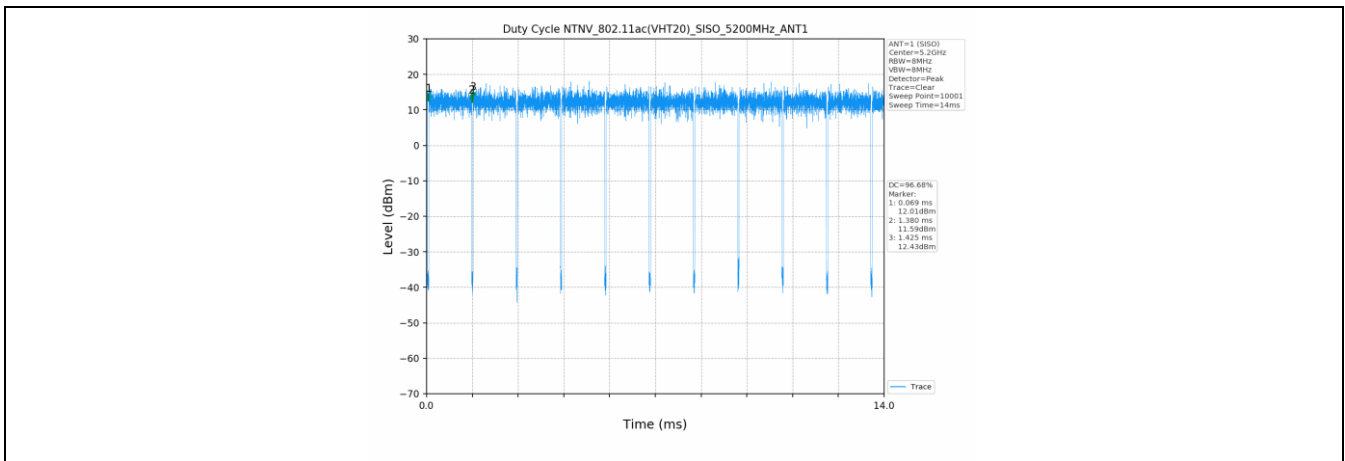
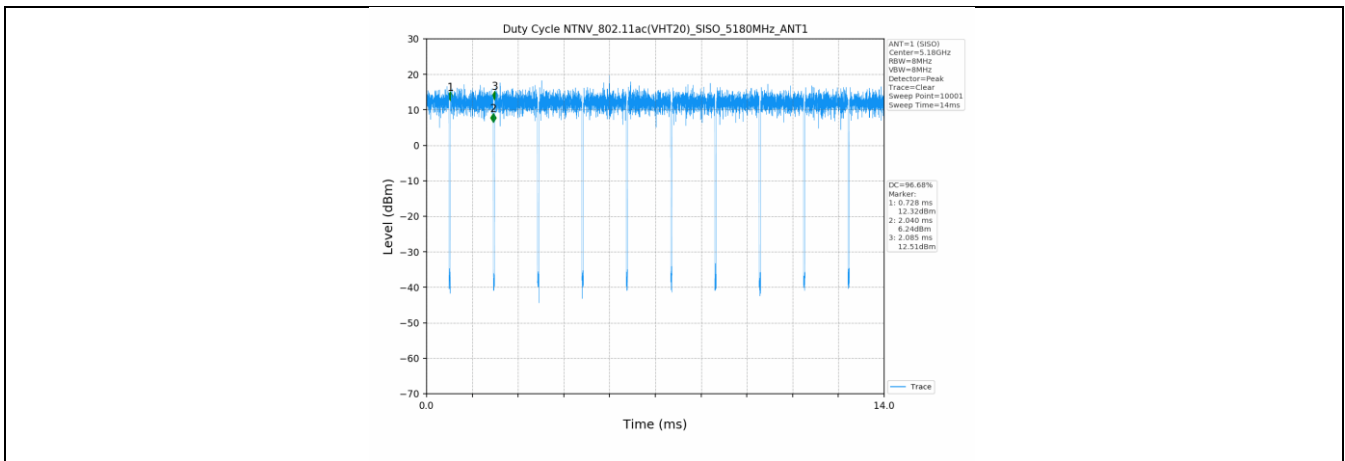
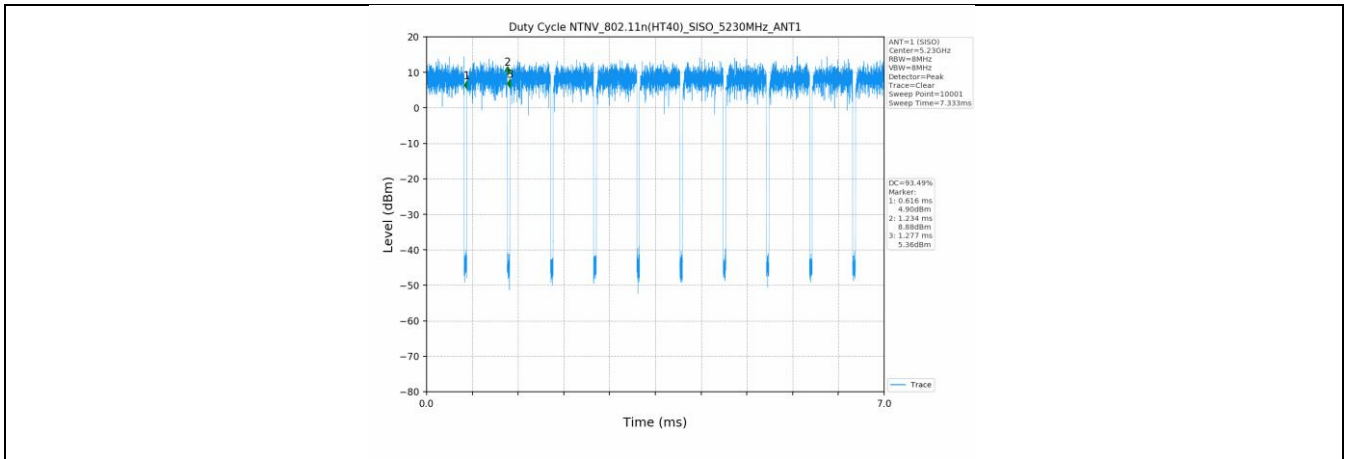
Test Mode	Channel Frequency (MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11a	5180	SISO	1	1.361	1.406	96.80	0.14
	5200	SISO	1	1.361	1.406	96.80	0.14
	5240	SISO	1	1.360	1.406	96.73	0.14
802.11n(HT20)	5180	SISO	1	1.299	1.344	96.65	0.15
	5200	SISO	1	1.299	1.346	96.51	0.15
	5240	SISO	1	1.299	1.344	96.65	0.15
802.11n(HT40)	5190	SISO	1	0.618	0.661	93.49	0.29
	5230	SISO	1	0.618	0.661	93.49	0.29
802.11ac(VHT20)	5180	SISO	1	1.312	1.357	96.68	0.15
	5200	SISO	1	1.311	1.356	96.68	0.15
	5240	SISO	1	1.312	1.356	96.76	0.14
802.11ac(VHT40)	5190	SISO	1	0.623	0.665	93.68	0.28
	5230	SISO	1	0.622	0.665	93.53	0.29
802.11ac(VHT80)	5210	SISO	1	0.324	0.368	88.04	0.55

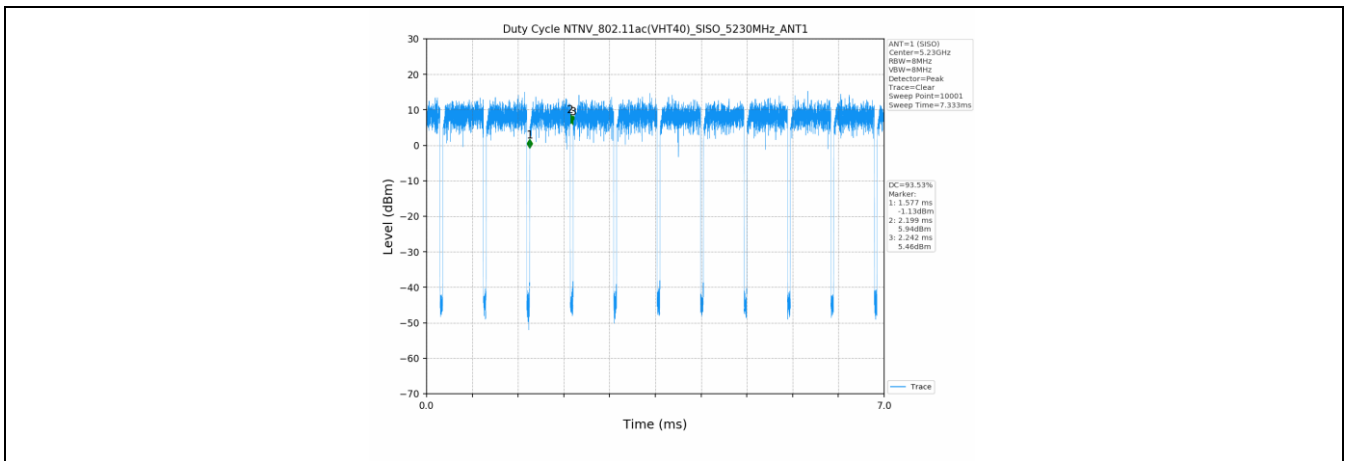
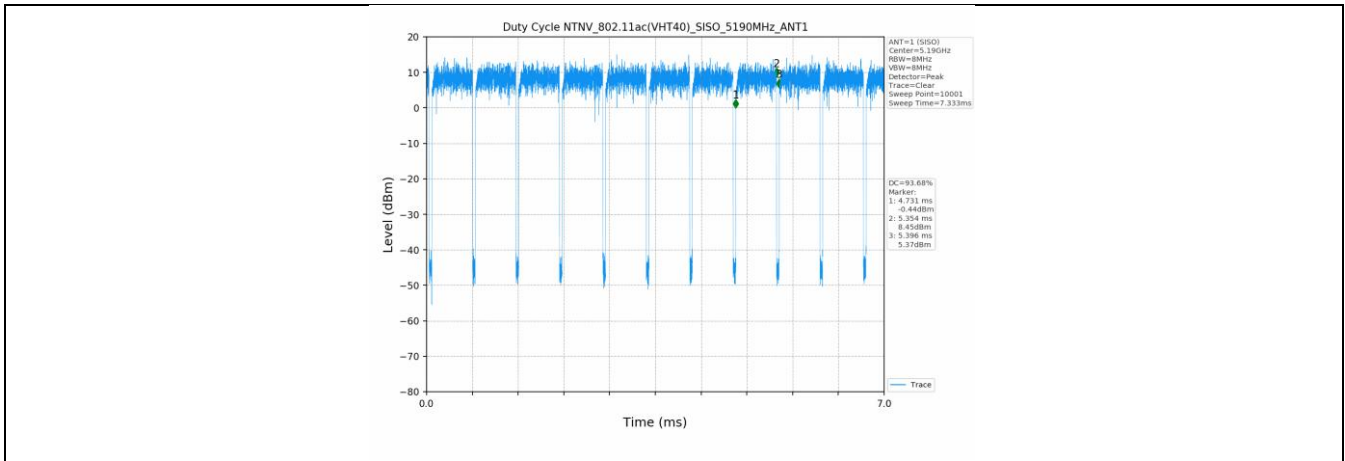
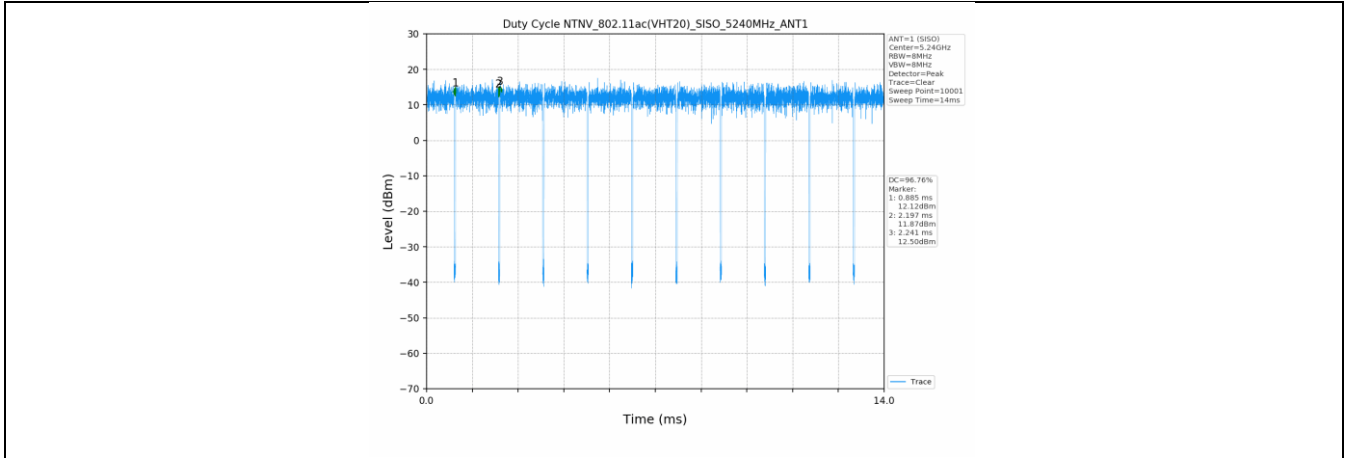
1.2 Test Graph

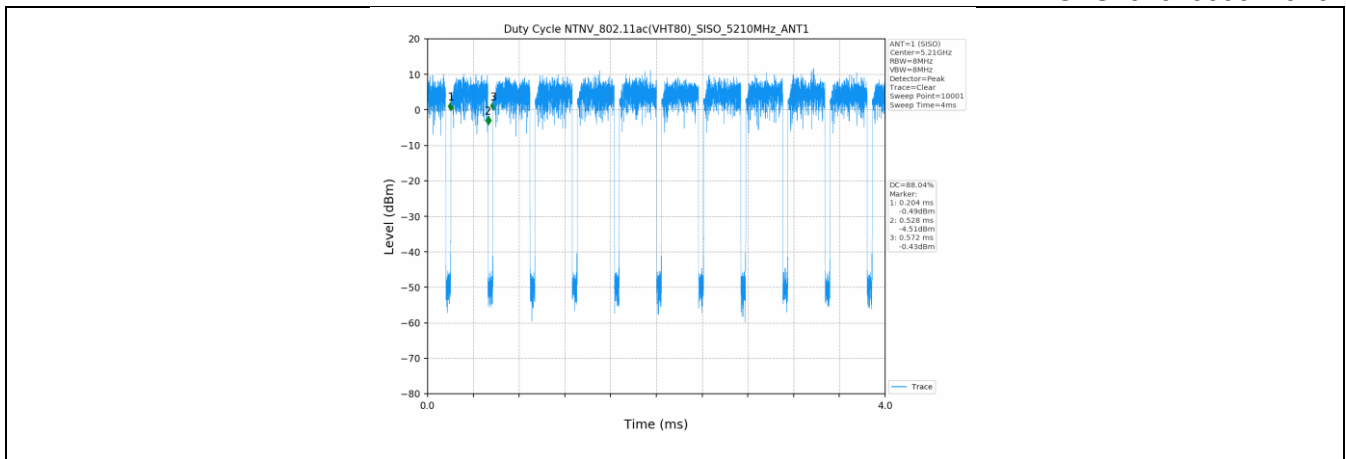












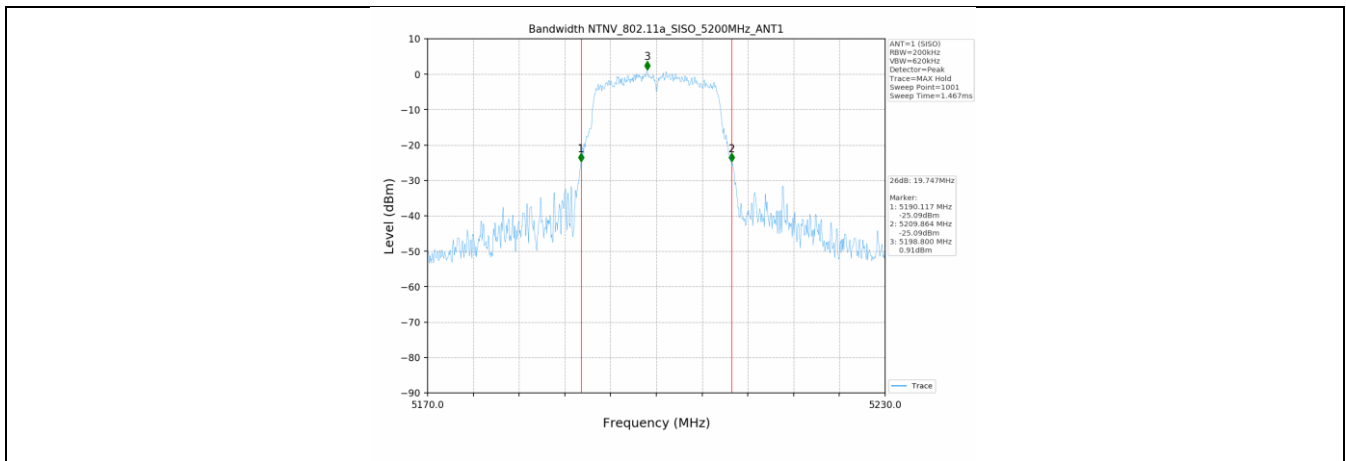
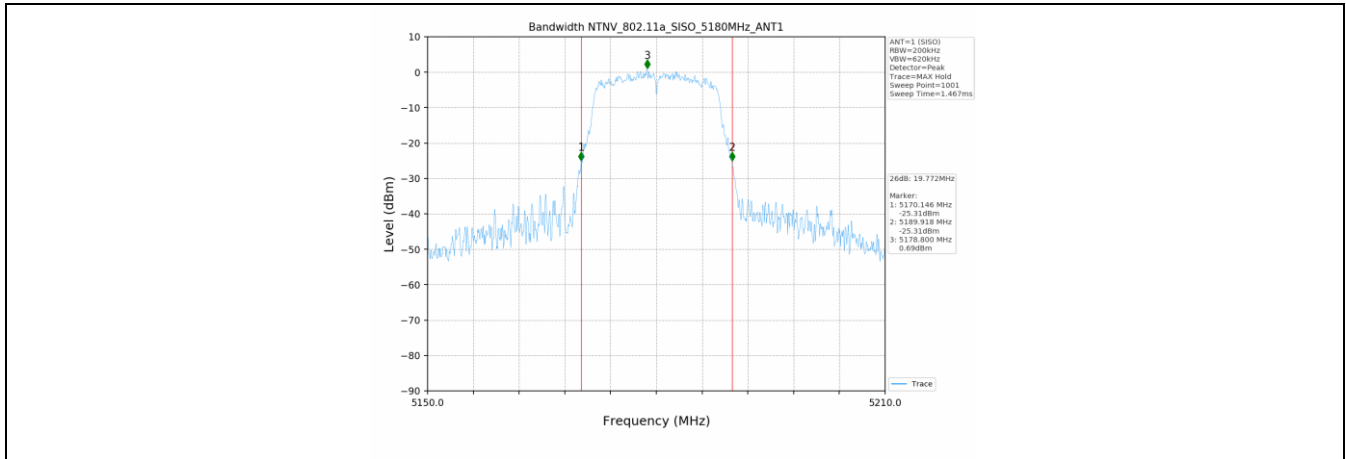
2. Bandwidth

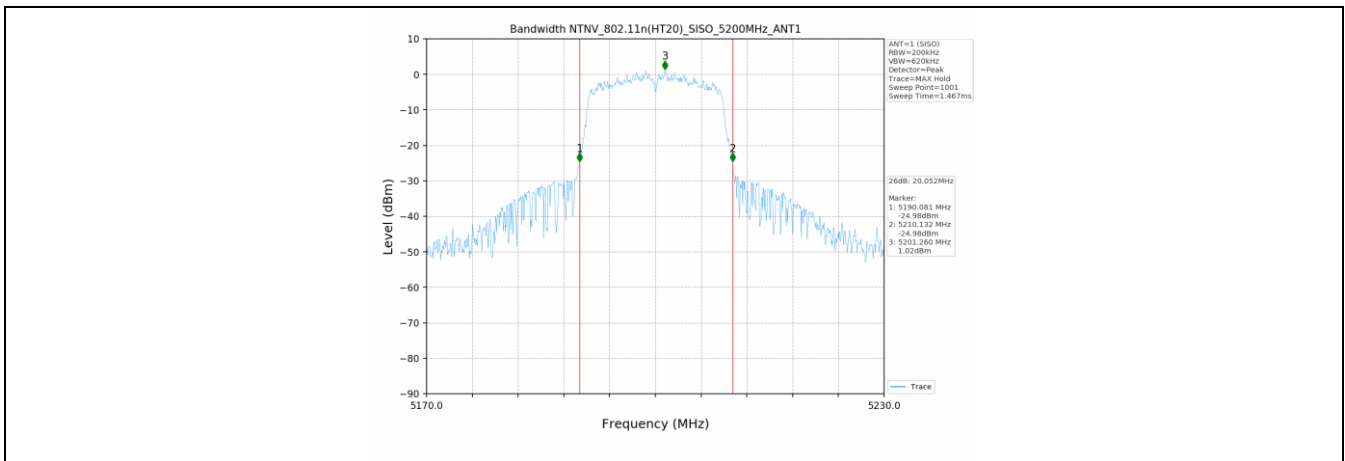
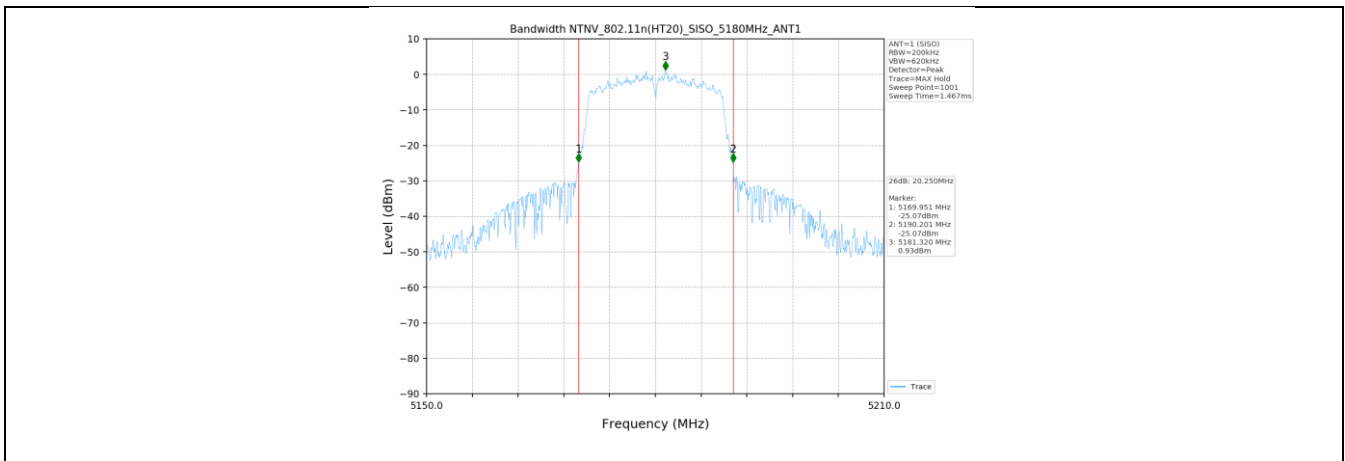
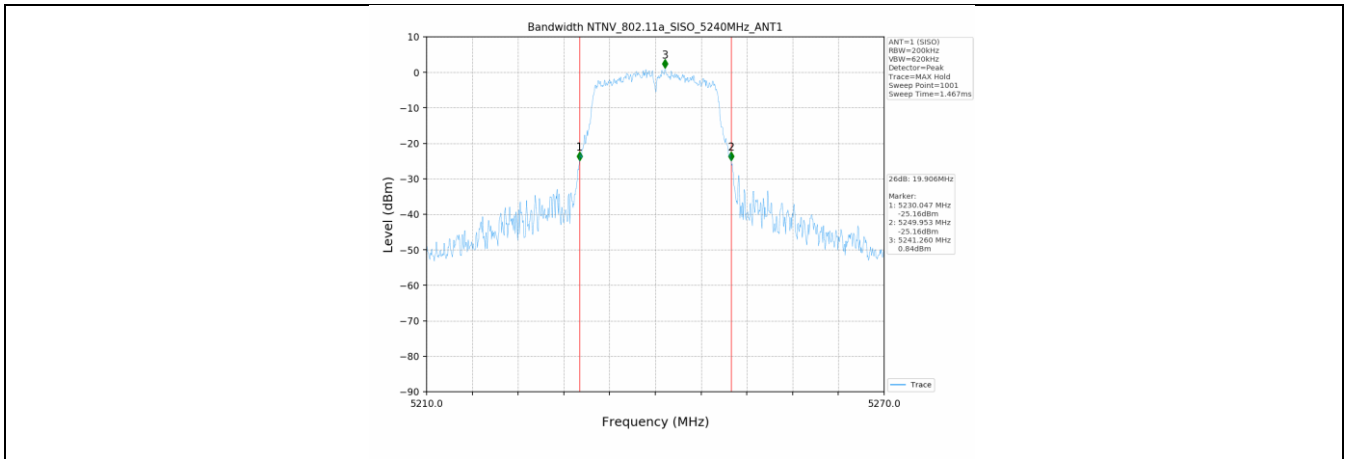
2.1 Test Result

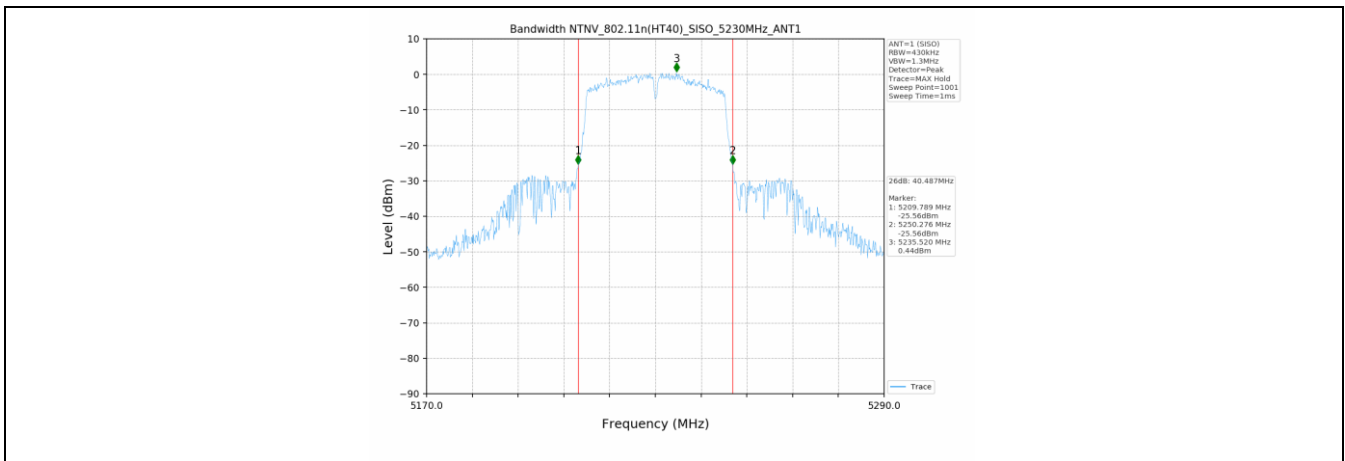
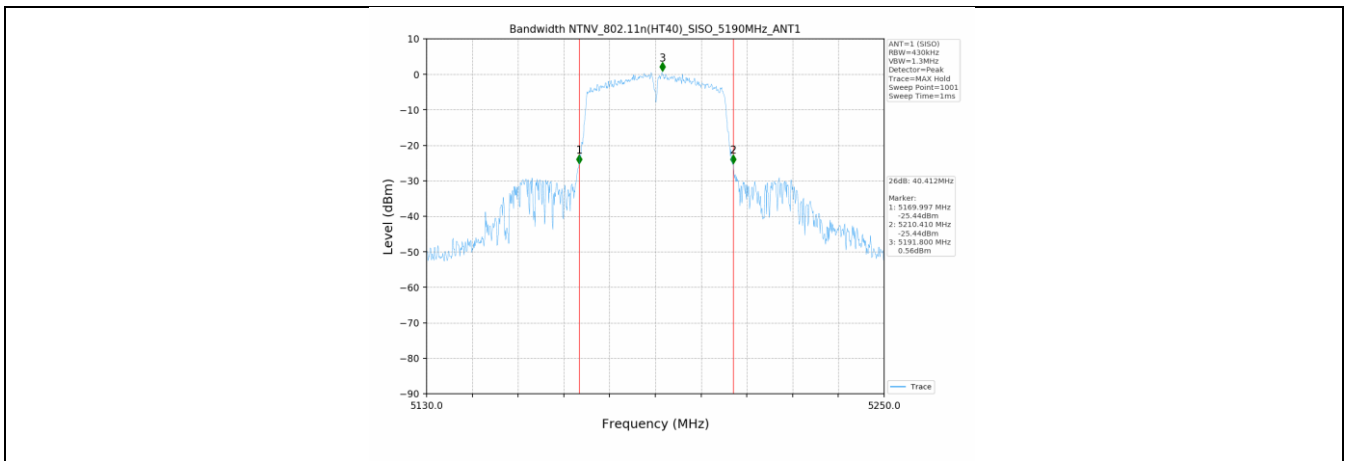
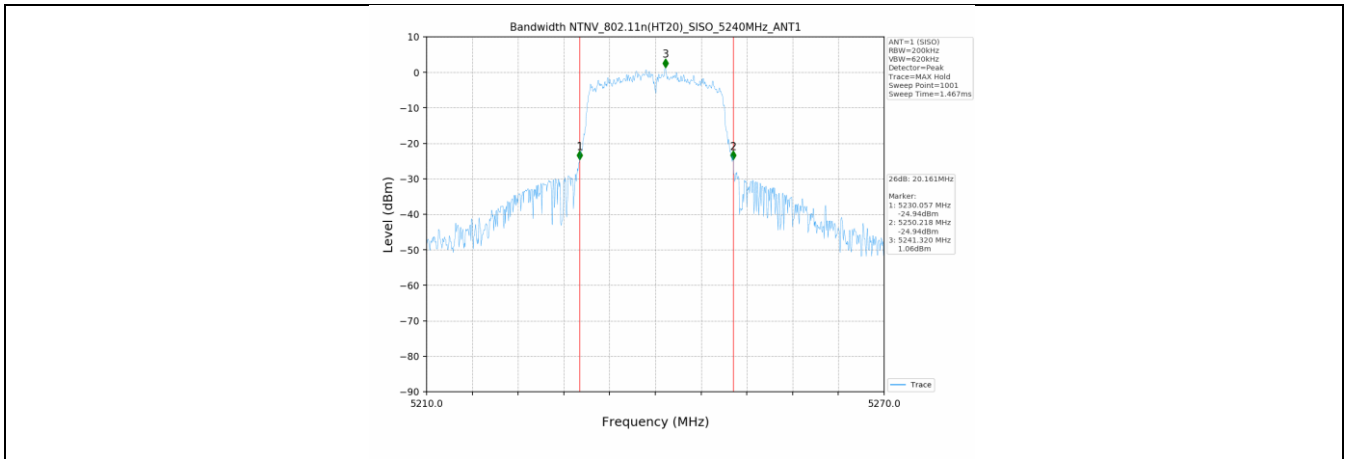
Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11a	5180	SISO	1	19.772	Only for Report Use	PASS
	5200	SISO	1	19.747	Only for Report Use	PASS
	5240	SISO	1	19.906	Only for Report Use	PASS
802.11n(HT20)	5180	SISO	1	20.250	Only for Report Use	PASS
	5200	SISO	1	20.052	Only for Report Use	PASS
	5240	SISO	1	20.161	Only for Report Use	PASS
802.11n(HT40)	5190	SISO	1	40.412	Only for Report Use	PASS
	5230	SISO	1	40.487	Only for Report Use	PASS
802.11ac(VHT20)	5180	SISO	1	20.270	Only for Report Use	PASS
	5200	SISO	1	19.976	Only for Report Use	PASS
	5240	SISO	1	19.860	Only for Report Use	PASS
802.11ac(VHT40)	5190	SISO	1	40.086	Only for Report Use	PASS
	5230	SISO	1	40.432	Only for Report Use	PASS
802.11ac(VHT80)	5210	SISO	1	80.528	Only for Report Use	PASS

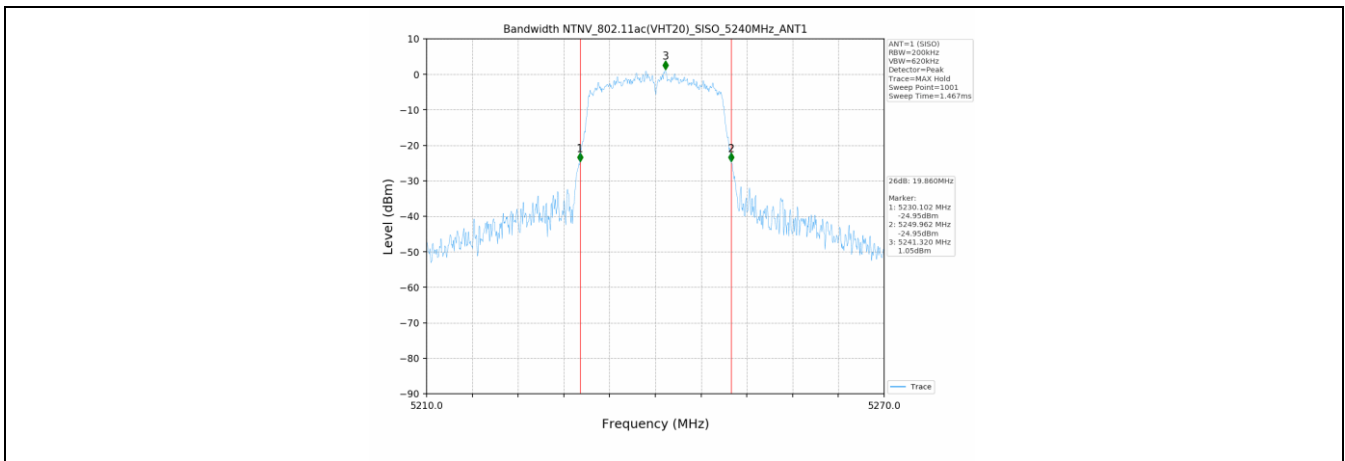
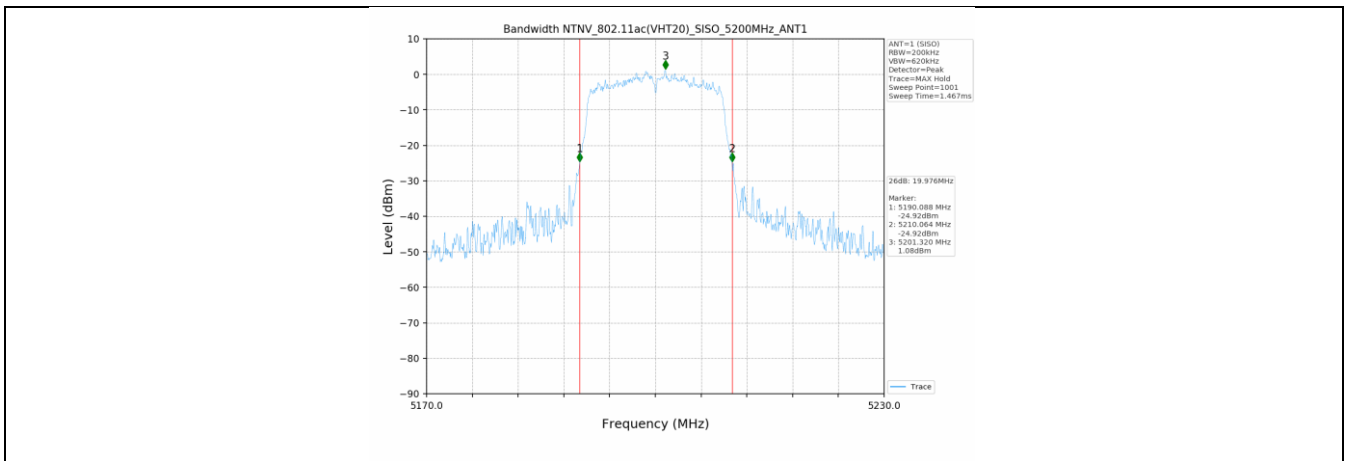
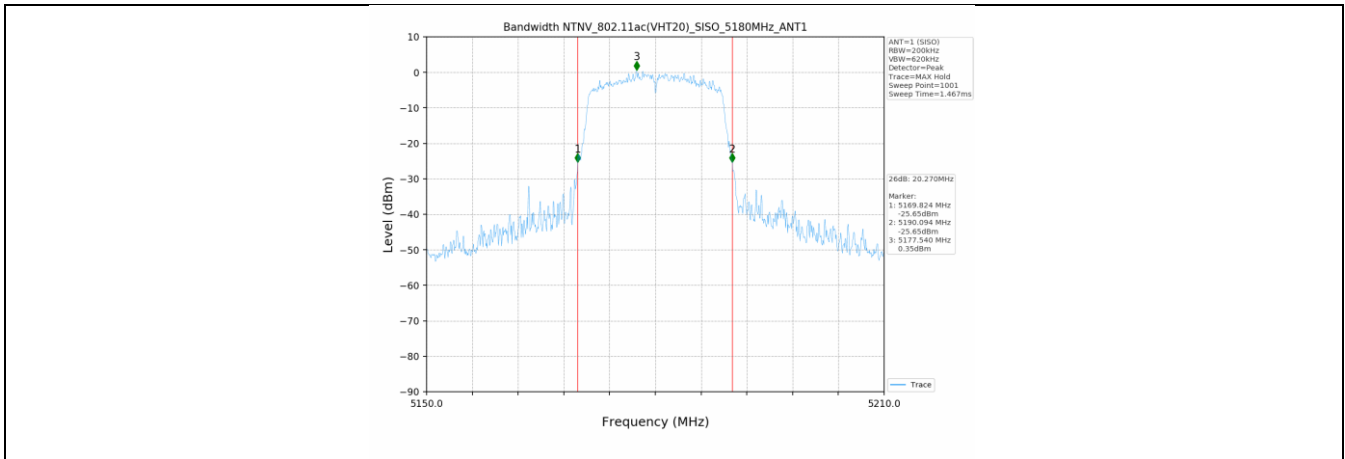
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11a	5180	SISO	1	16.663	Only for Report Use
	5200	SISO	1	16.662	Only for Report Use
	5240	SISO	1	16.635	Only for Report Use
802.11n(HT20)	5180	SISO	1	17.737	Only for Report Use
	5200	SISO	1	17.720	Only for Report Use
	5240	SISO	1	17.740	Only for Report Use
802.11n(HT40)	5190	SISO	1	36.333	Only for Report Use
	5230	SISO	1	36.478	Only for Report Use
802.11ac(VHT20)	5180	SISO	1	17.659	Only for Report Use
	5200	SISO	1	17.684	Only for Report Use
	5240	SISO	1	17.690	Only for Report Use
802.11ac(VHT40)	5190	SISO	1	36.192	Only for Report Use
	5230	SISO	1	36.176	Only for Report Use
802.11ac(VHT80)	5210	SISO	1	75.208	Only for Report Use

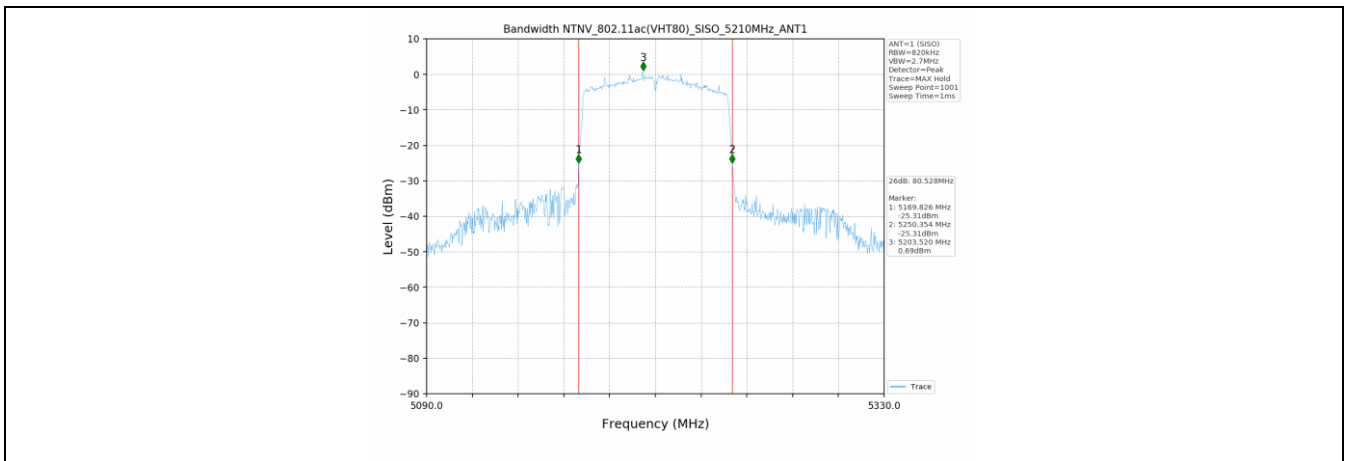
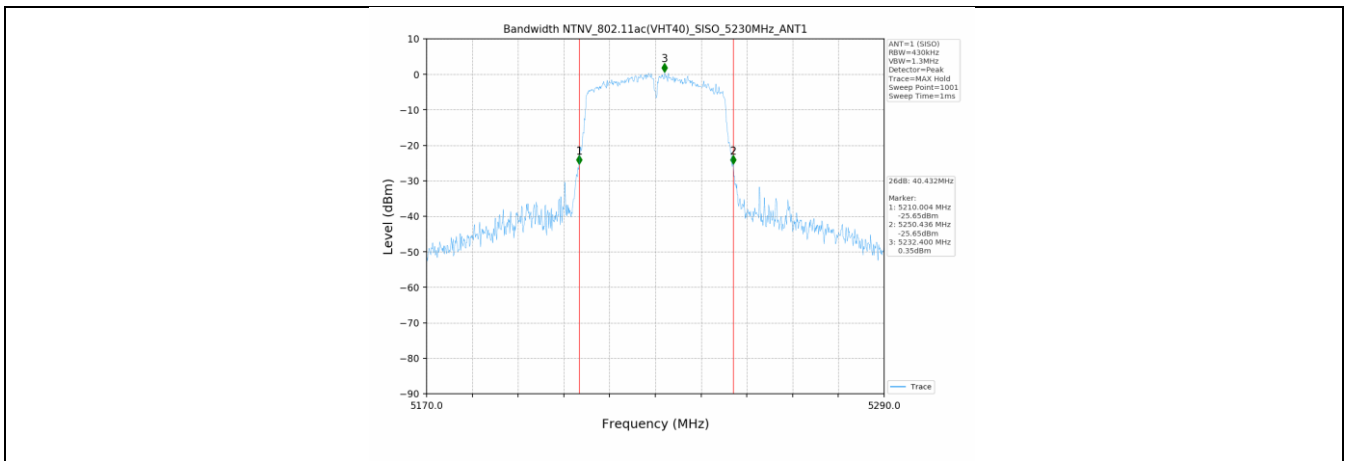
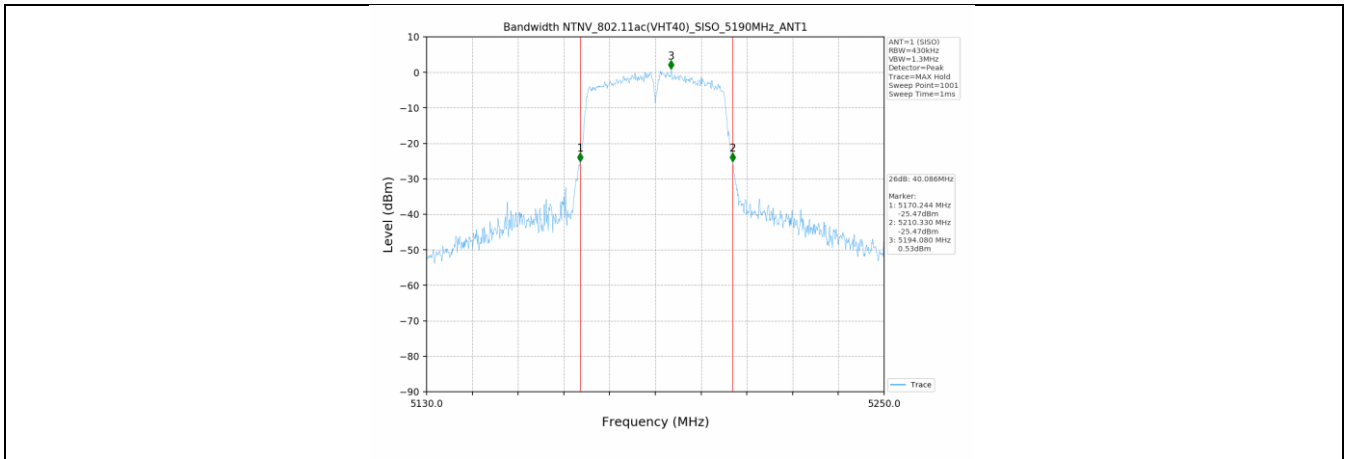
2.2 Test Graph - Emission Bandwidth



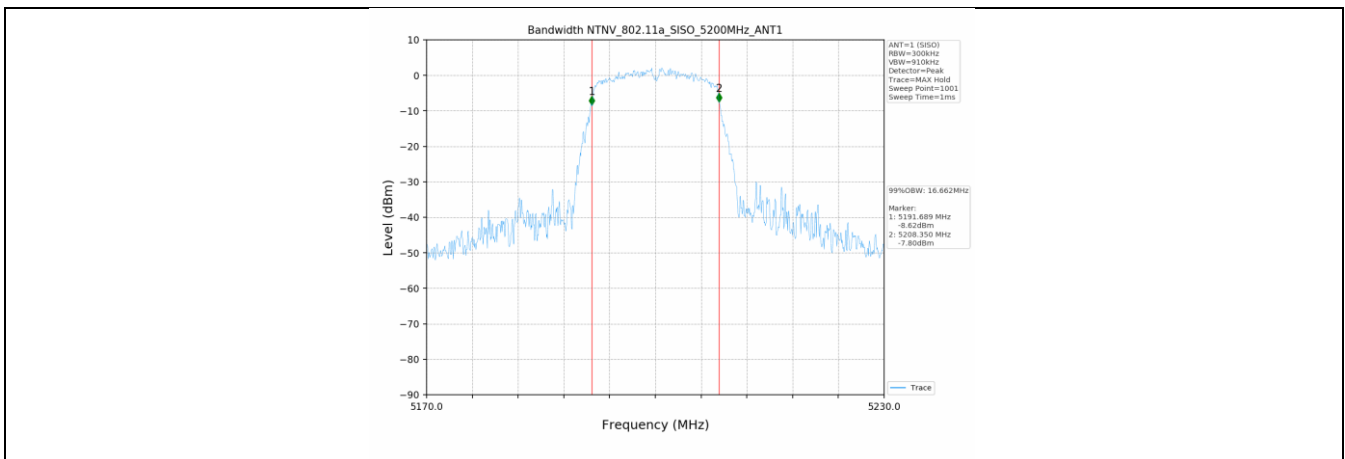
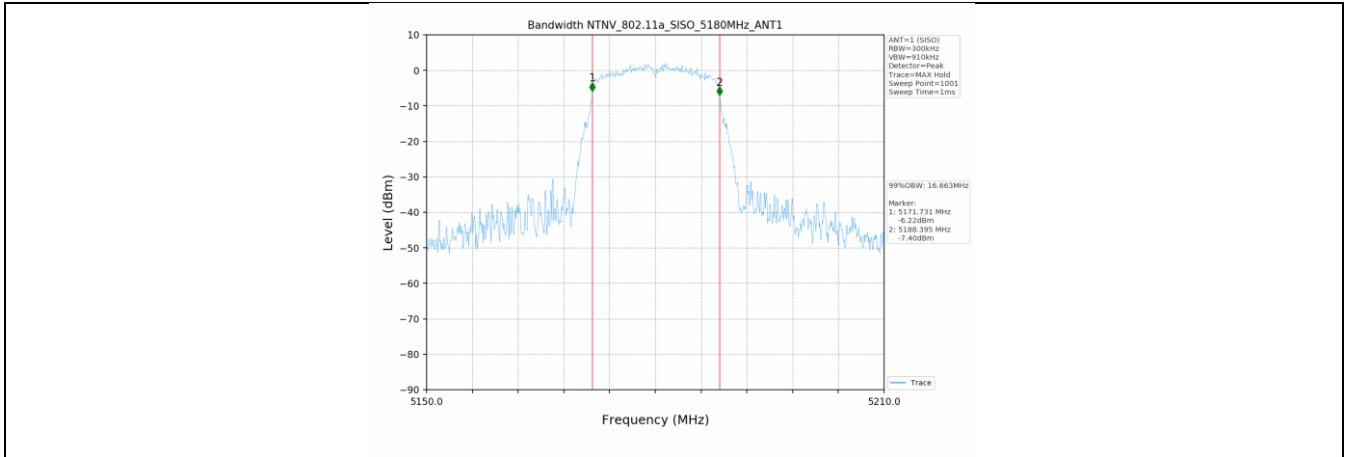


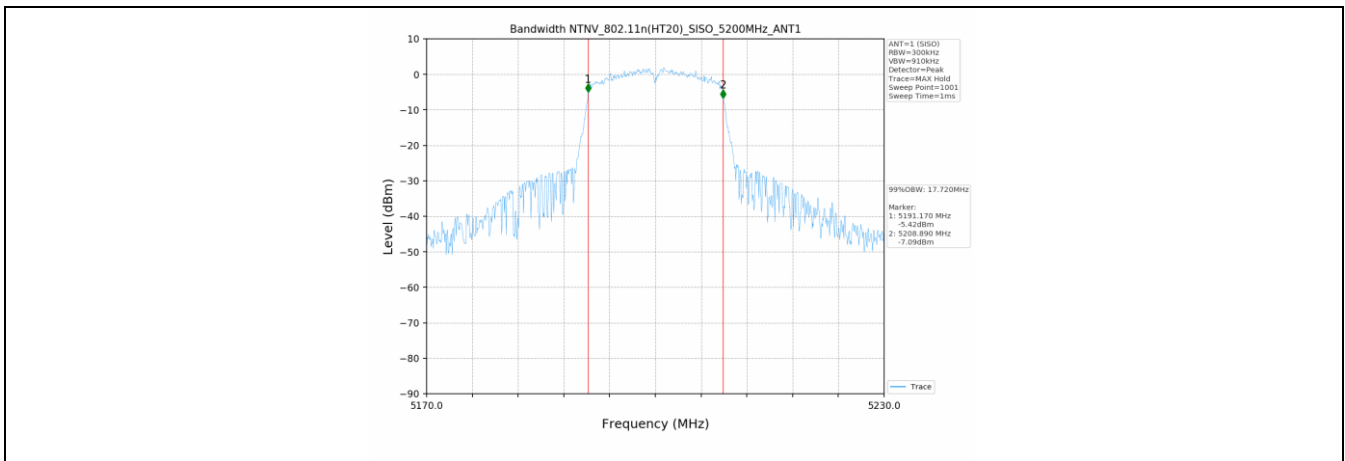
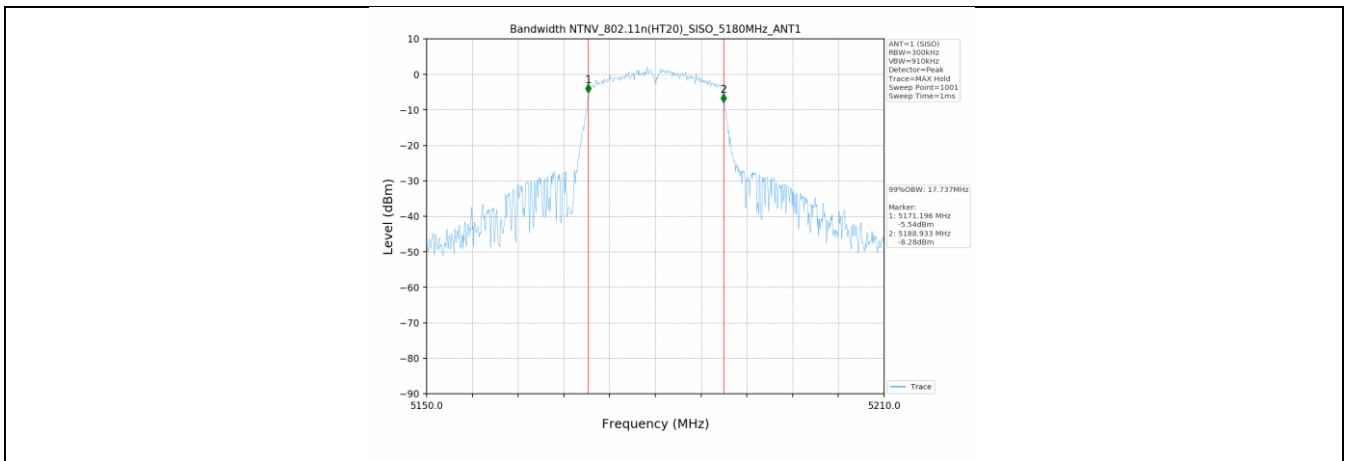
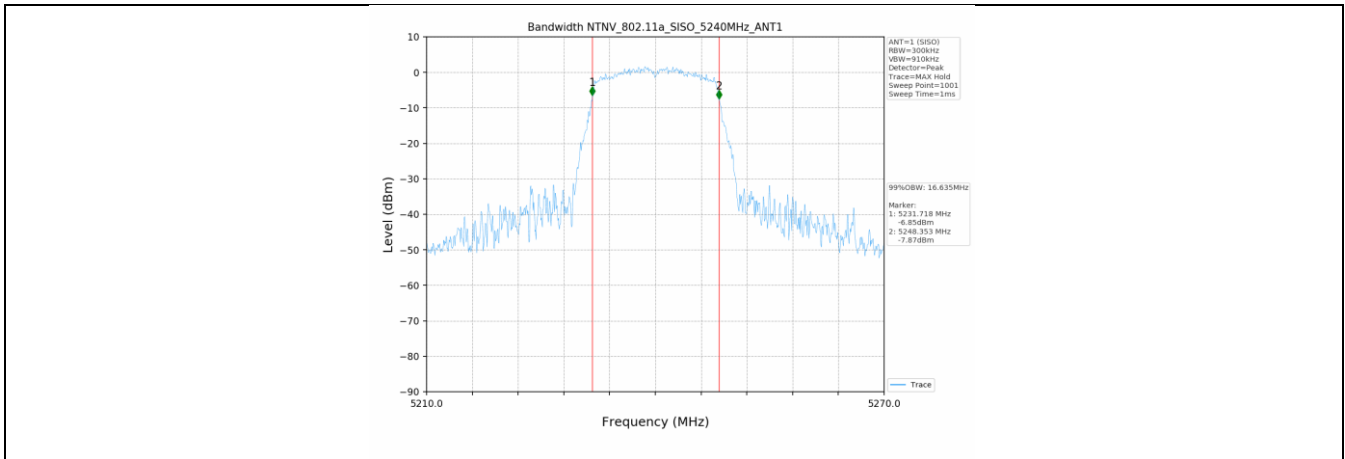


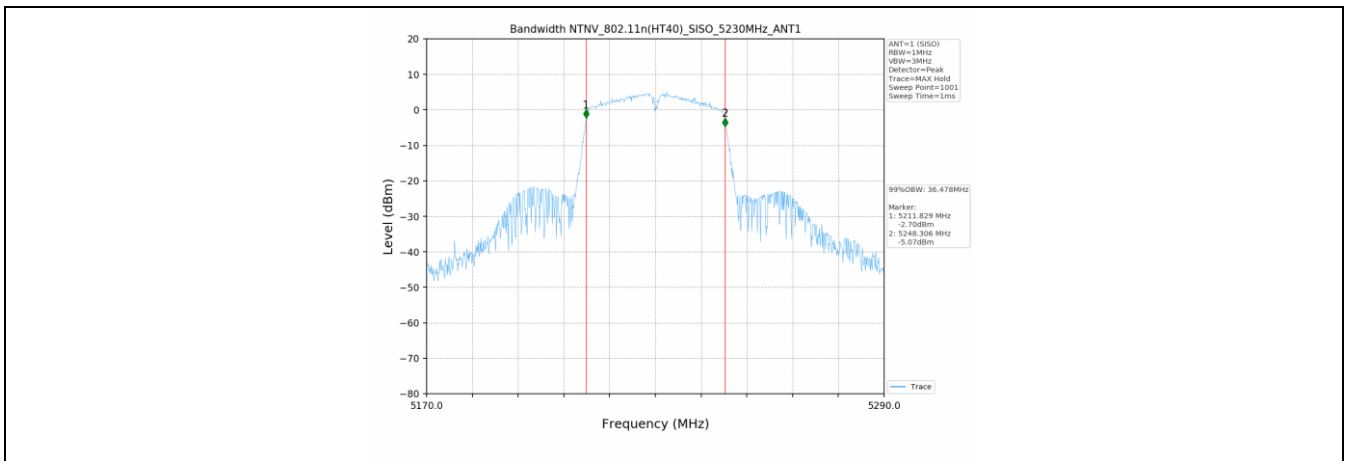
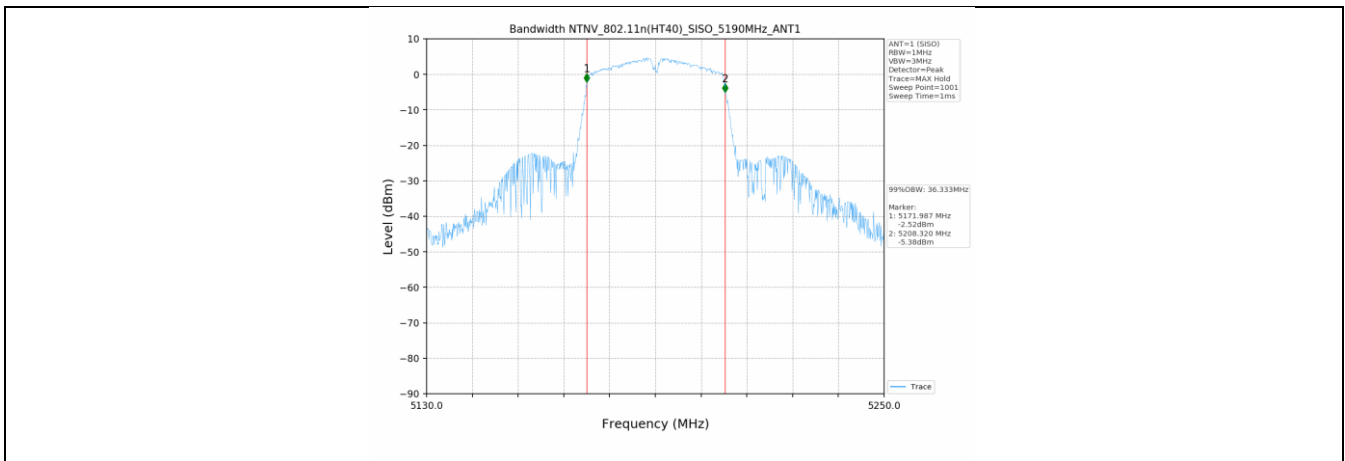
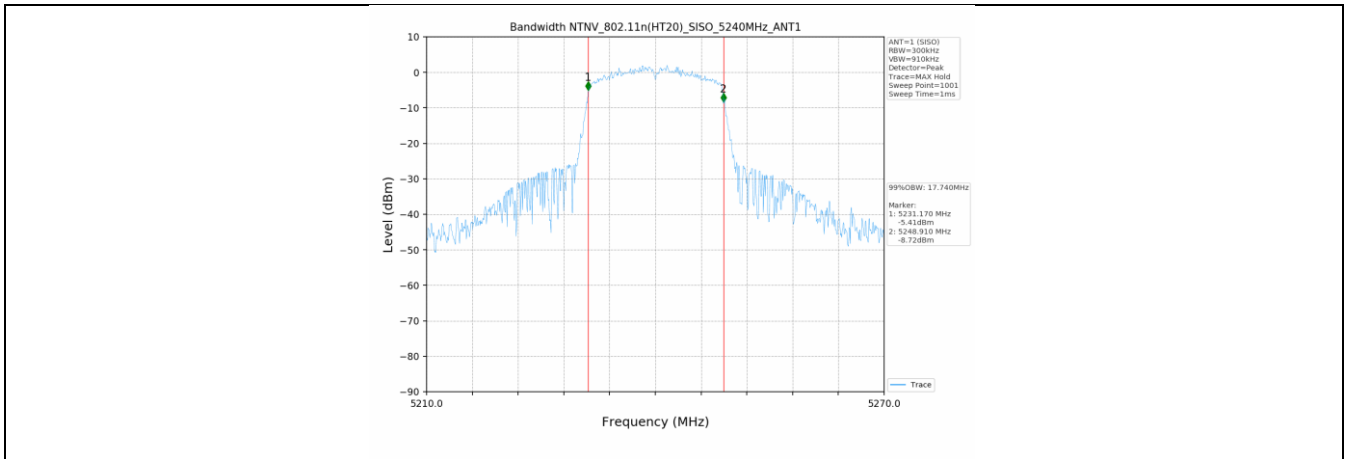


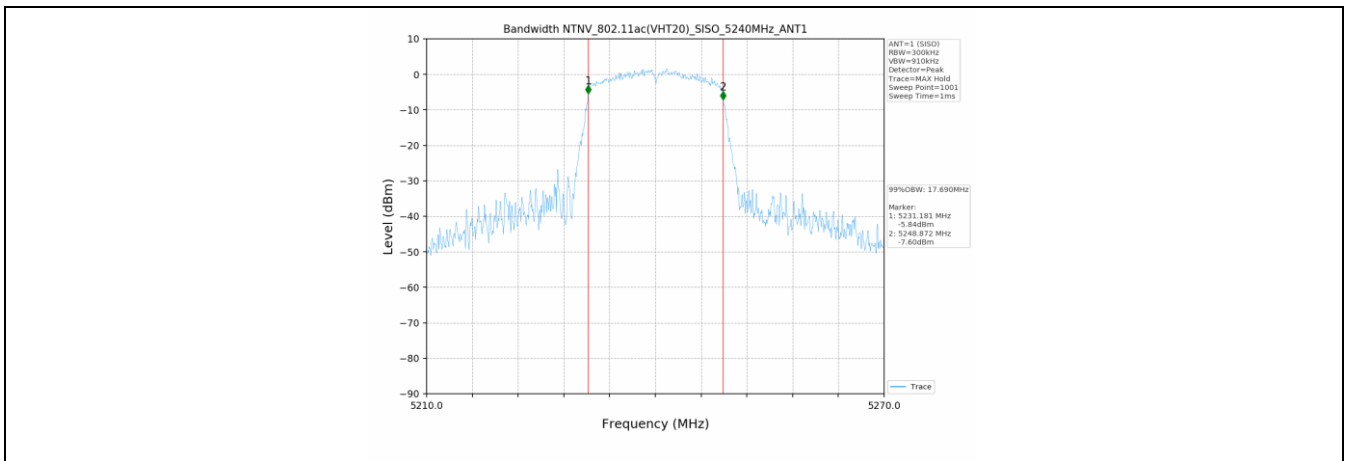
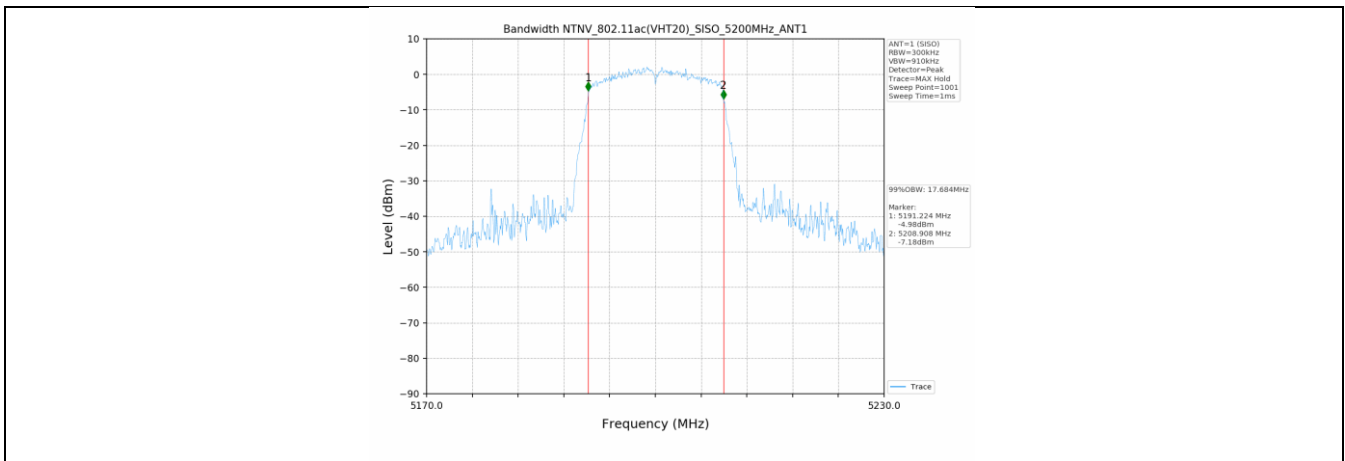
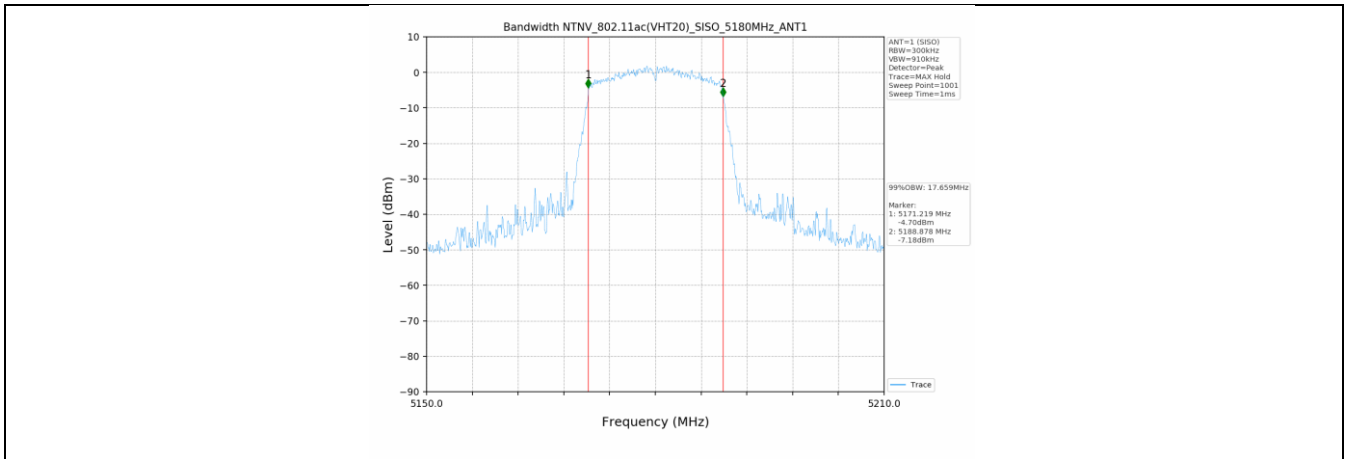


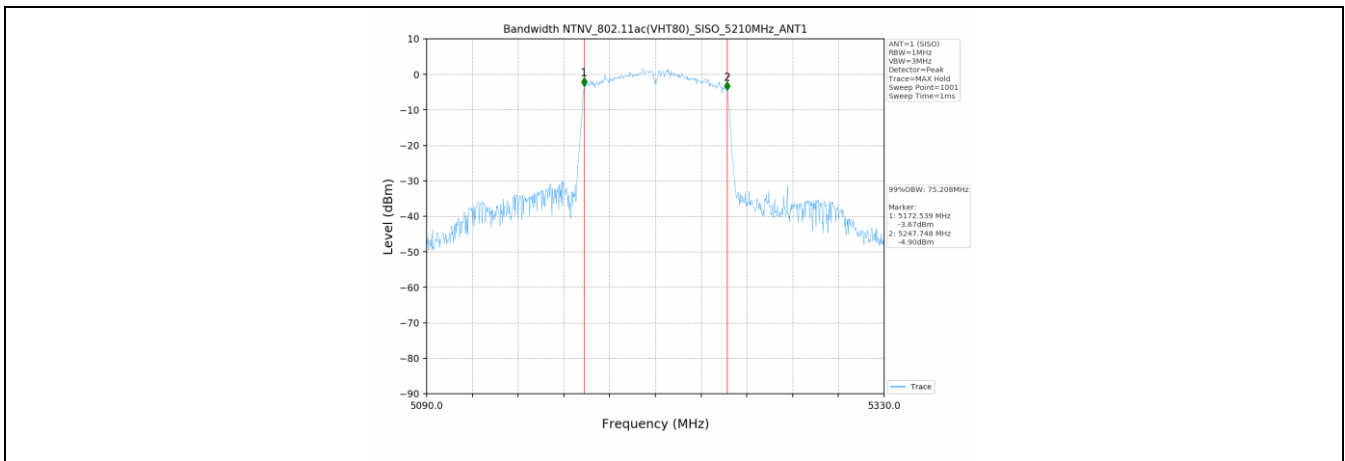
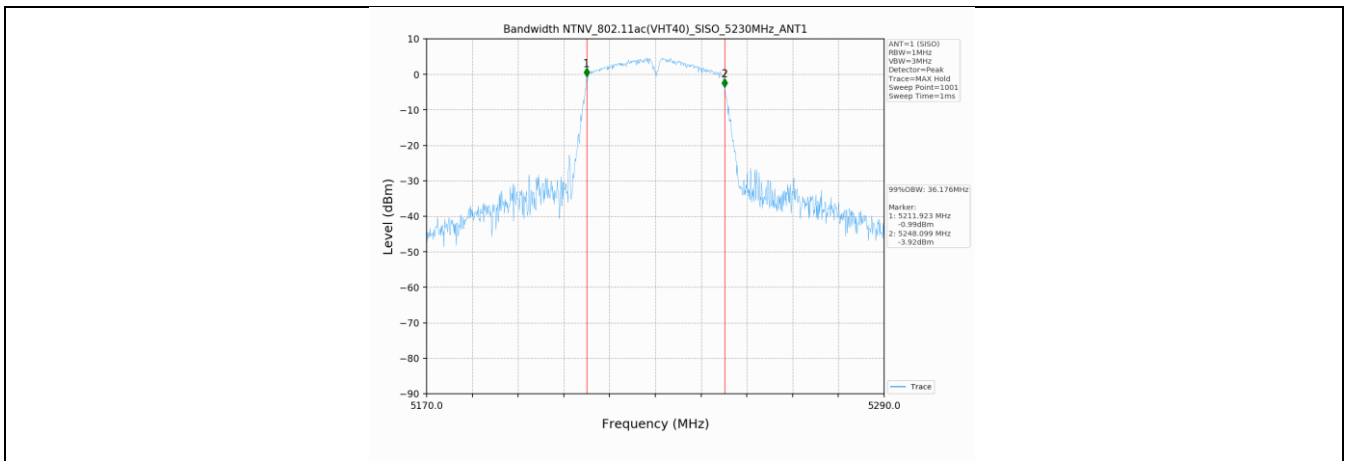
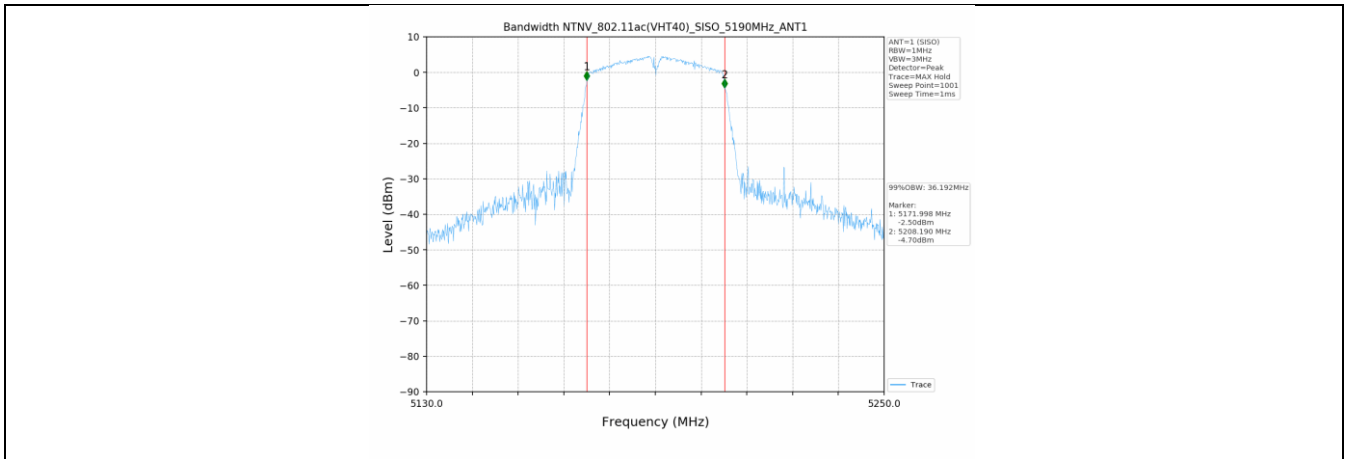
2.3 Test Graph - 99% Occupied Bandwidth











3. Maximum Conducted Output Power

3.1 Test Result

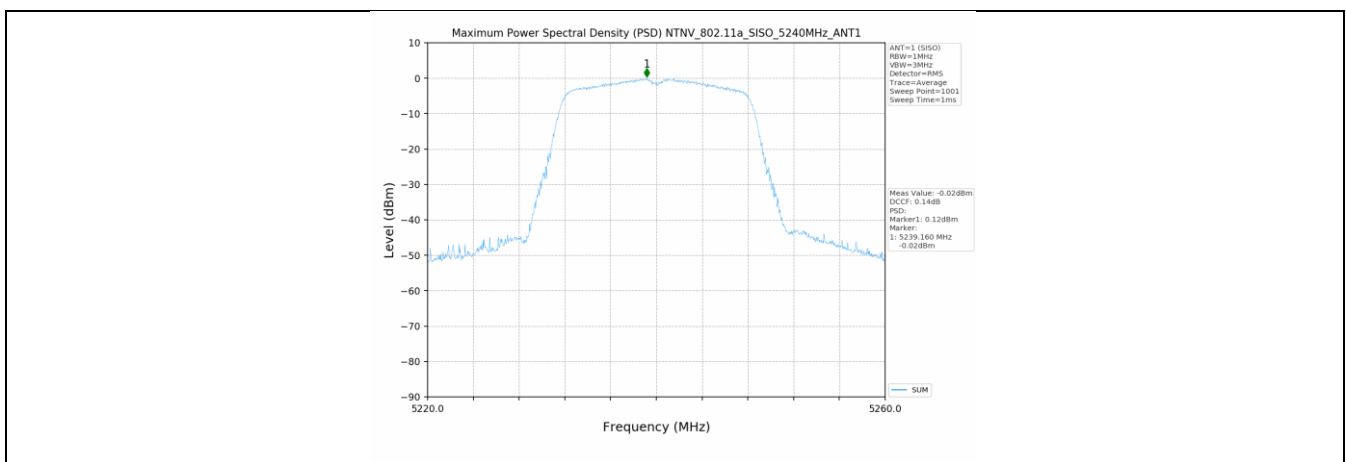
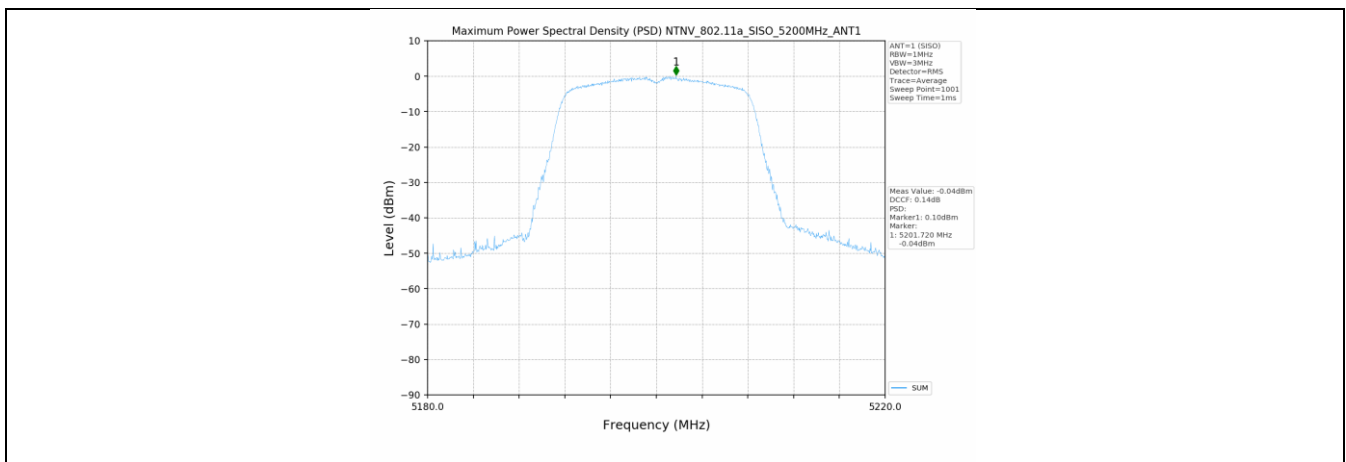
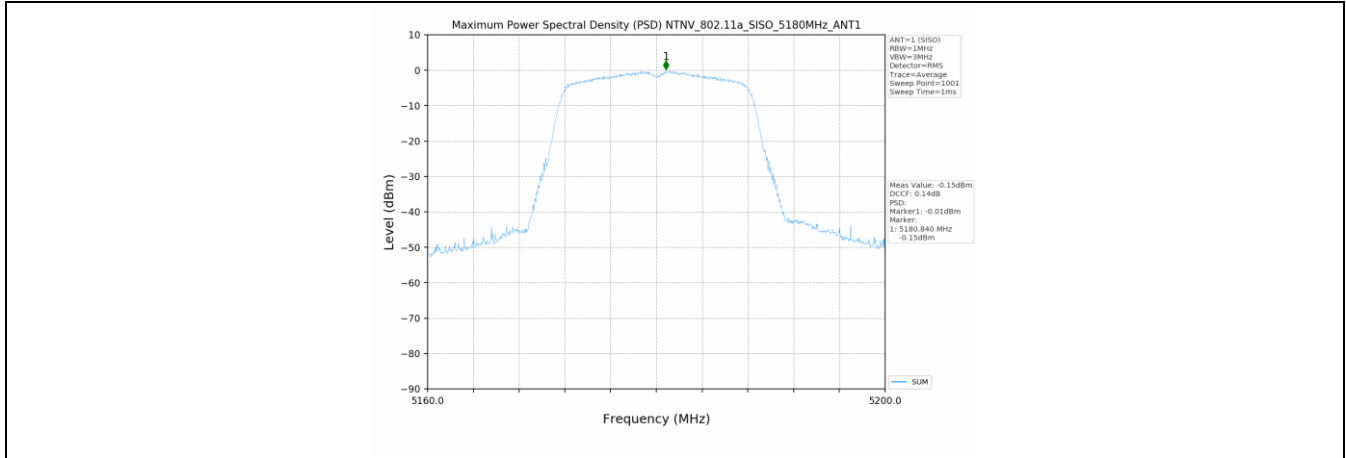
Test Mode	Frequency (MHz)	ANT	Measured Output Power (dBm)	Duty Cycle Correction Factor (dB)	Total power(dBm)	Limit (dBm)	Verdict
802.11a	5180	1	7.02	0.14	7.16	≤23.98	PASS
	5200	1	7.18	0.14	7.32	≤23.98	PASS
	5240	1	7.13	0.14	7.27	≤23.98	PASS
802.11n(HT20)	5180	1	6.87	0.15	7.02	≤23.98	PASS
	5200	1	6.1	0.15	6.25	≤23.98	PASS
	5240	1	6.06	0.15	6.21	≤23.98	PASS
802.11n(HT40)	5190	1	6.09	0.29	6.38	≤23.98	PASS
	5230	1	6.14	0.29	6.43	≤23.98	PASS
802.11ac(VHT20)	5180	1	6.04	0.15	6.19	≤23.98	PASS
	5200	1	6.21	0.15	6.36	≤23.98	PASS
	5240	1	6.04	0.14	6.18	≤23.98	PASS
802.11ac(VHT40)	5190	1	6.01	0.28	6.29	≤23.98	PASS
	5230	1	6.13	0.29	6.42	≤23.98	PASS
802.11ac(VHT80)	5210	1	6.44	0.55	6.99	≤23.98	PASS

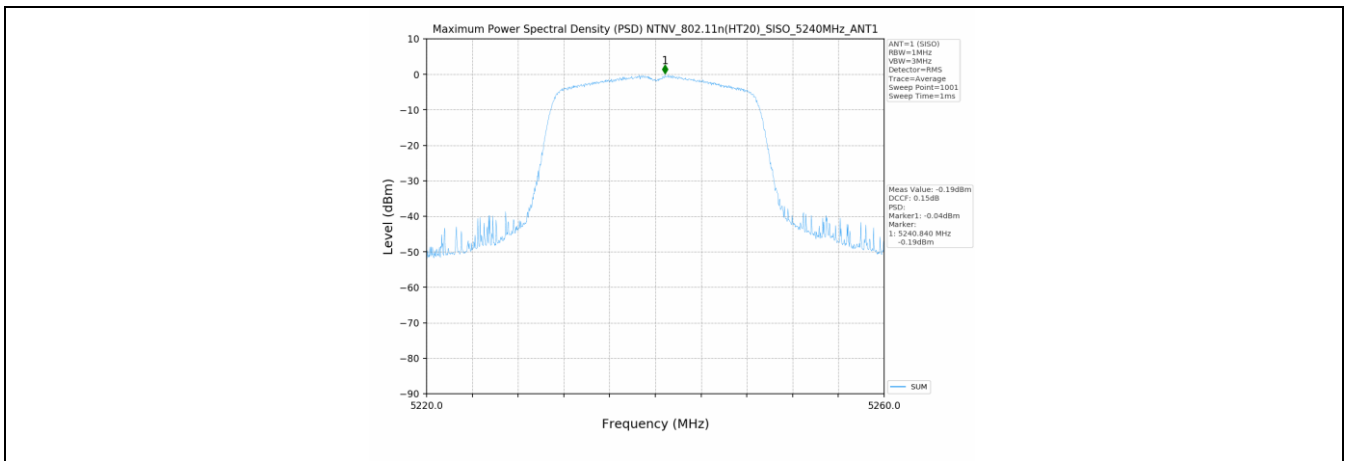
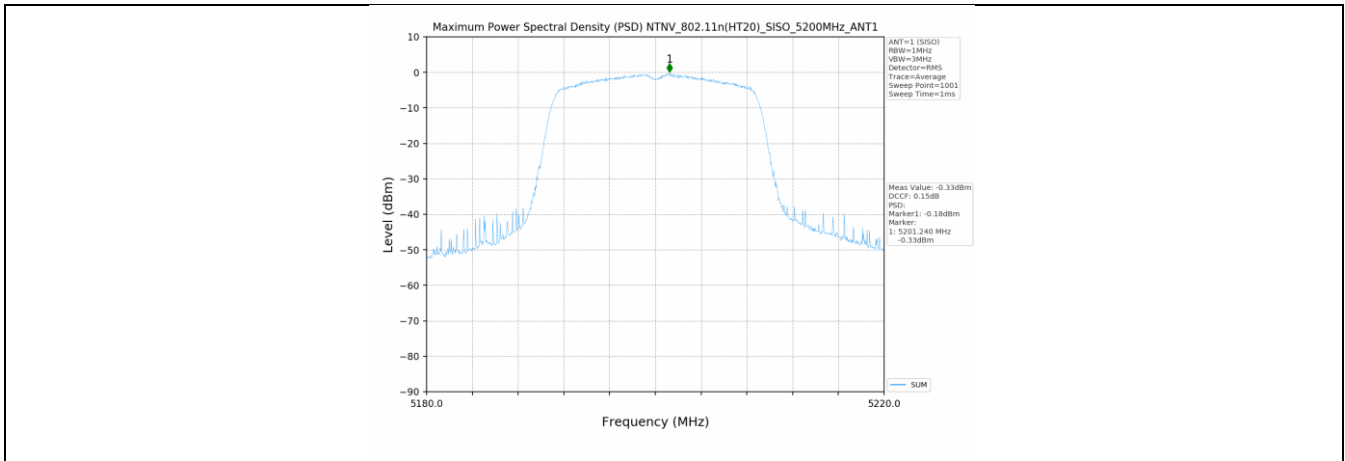
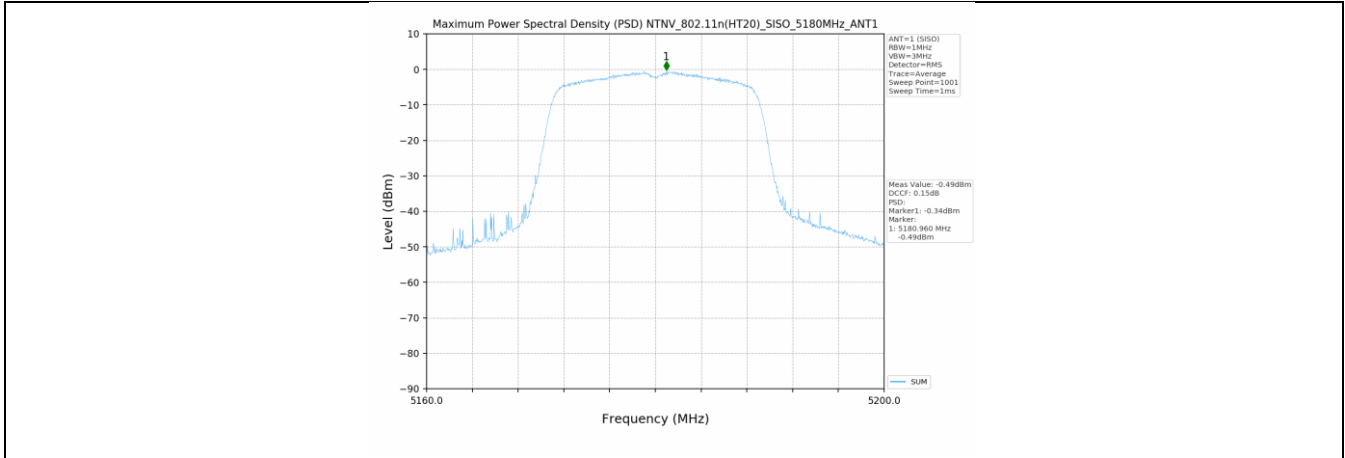
4. Maximum Power Spectral Density (PSD)

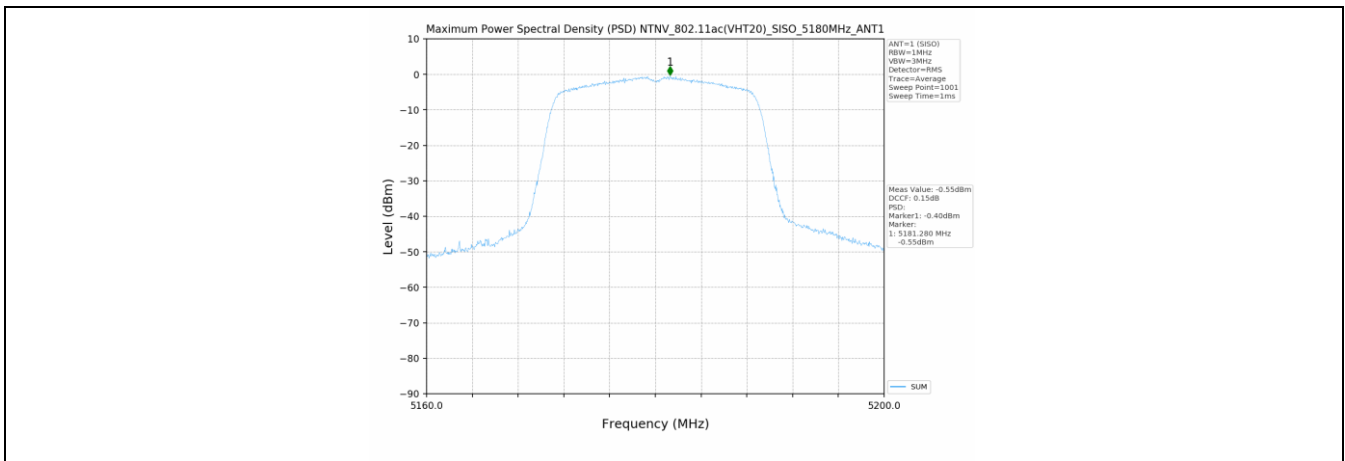
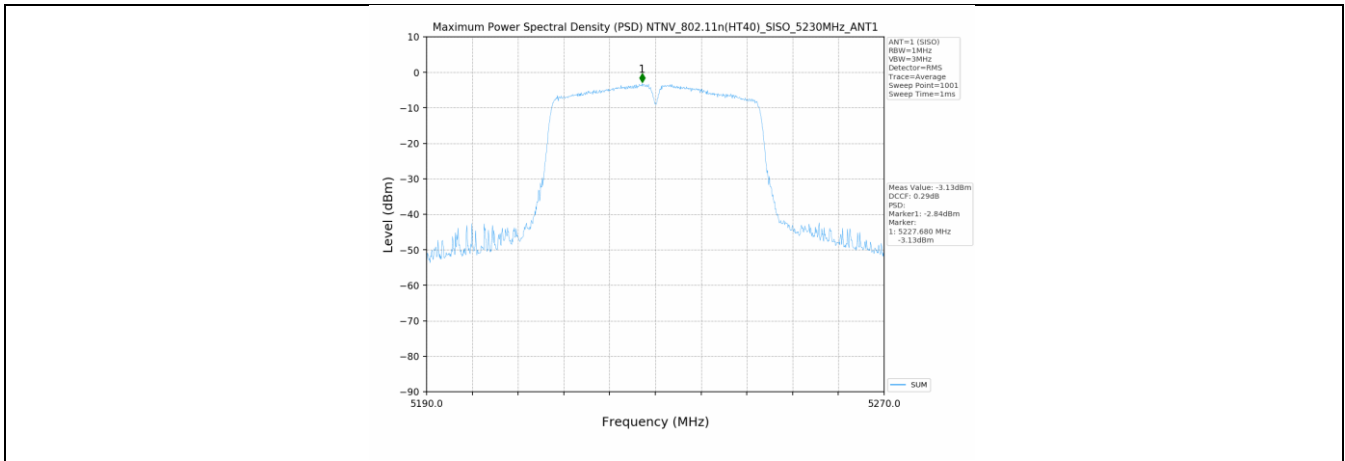
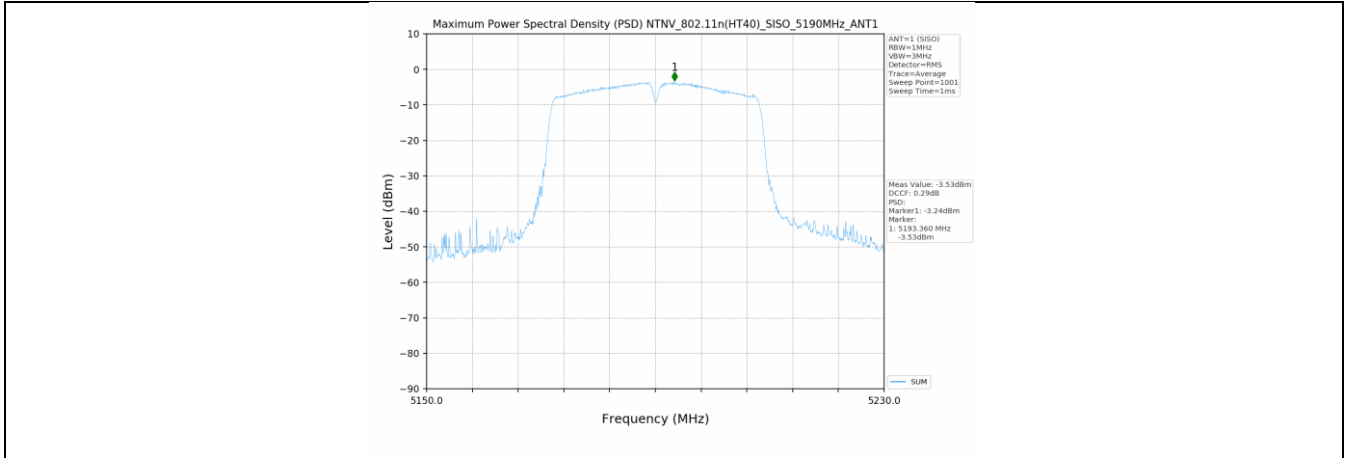
4.1 Test Result

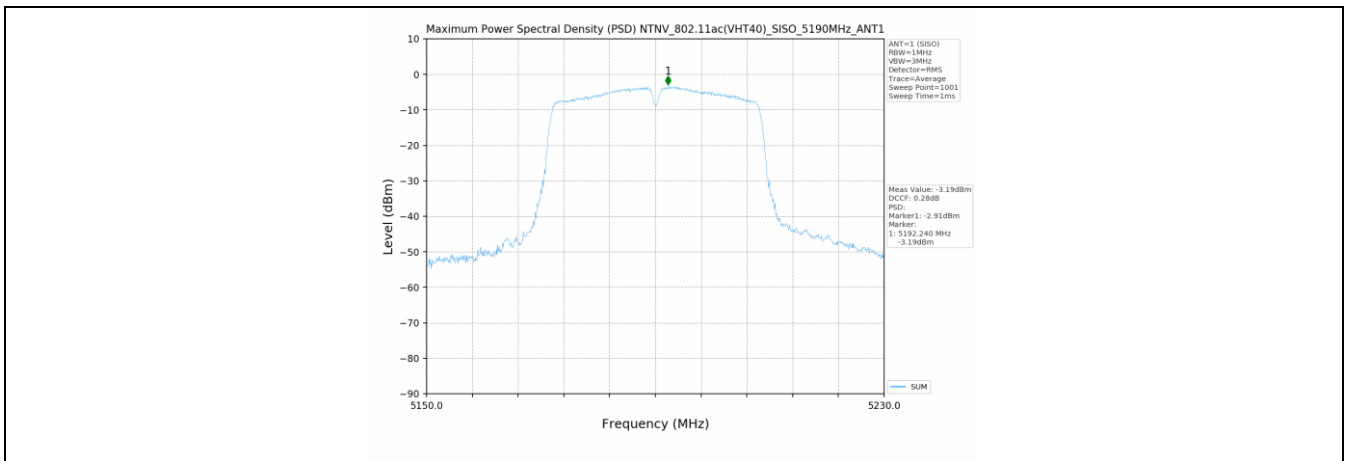
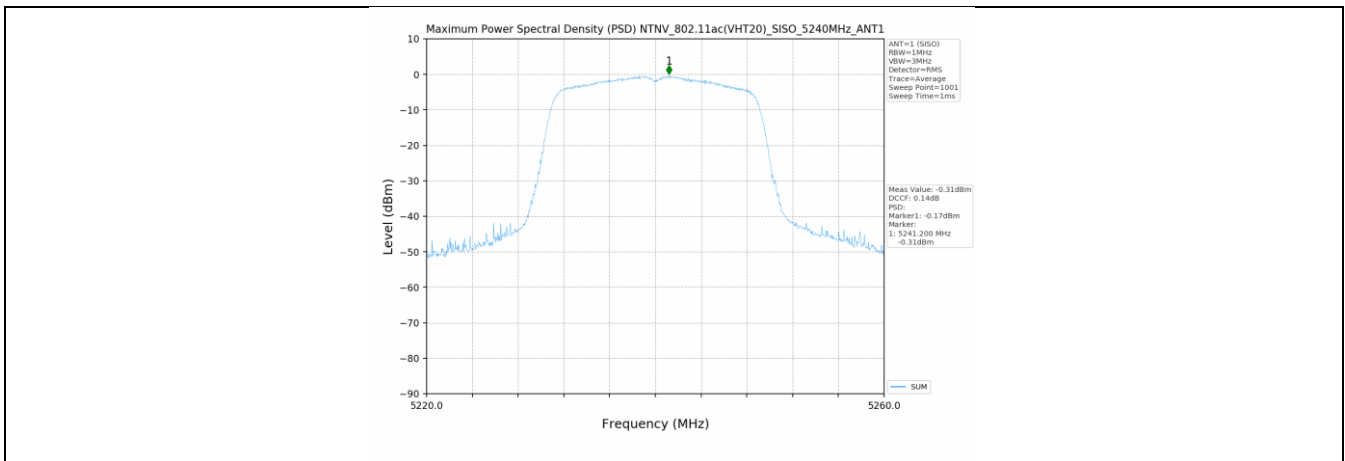
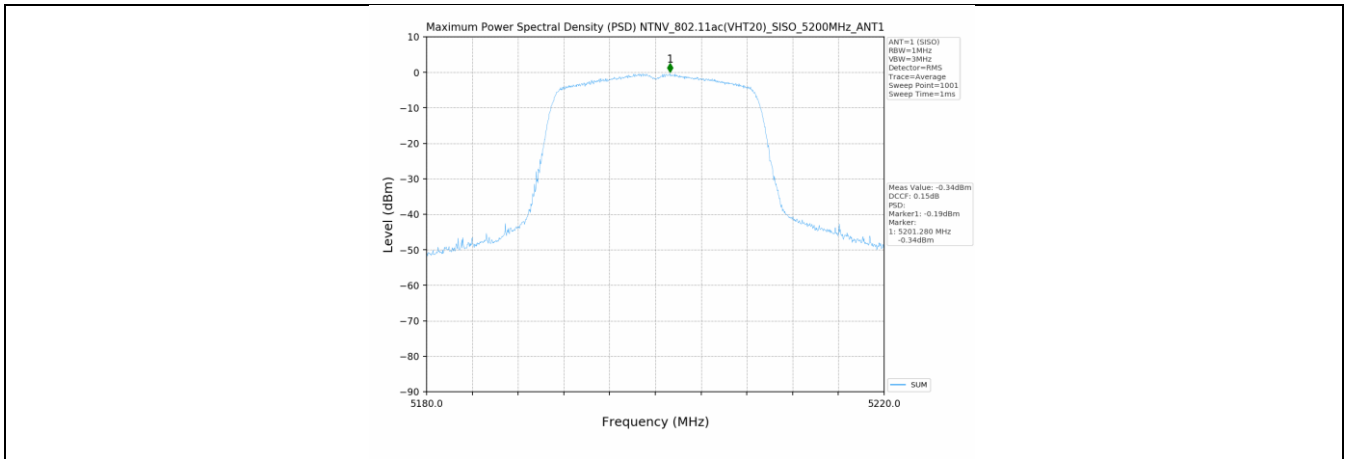
Test Mode	Frequency(MHz)	ANT	Maximum Power Spectral Density (dBm/MHz)	Limit (dBm)	Verdict
802.11a	5180	1	-0.01	≤11	PASS
	5200	1	0.10	≤11	PASS
	5240	1	0.12	≤11	PASS
802.11n(HT20)	5180	1	-0.34	≤11	PASS
	5200	1	-0.18	≤11	PASS
	5240	1	-0.04	≤11	PASS
802.11n(HT40)	5190	1	-3.24	≤11	PASS
	5230	1	-2.84	≤11	PASS
802.11ac(VHT20)	5180	1	-0.40	≤11	PASS
	5200	1	-0.19	≤11	PASS
	5240	1	-0.17	≤11	PASS
802.11ac(VHT40)	5190	1	-2.91	≤11	PASS
	5230	1	-2.87	≤11	PASS
802.11ac(VHT80)	5210	1	-6.23	≤11	PASS

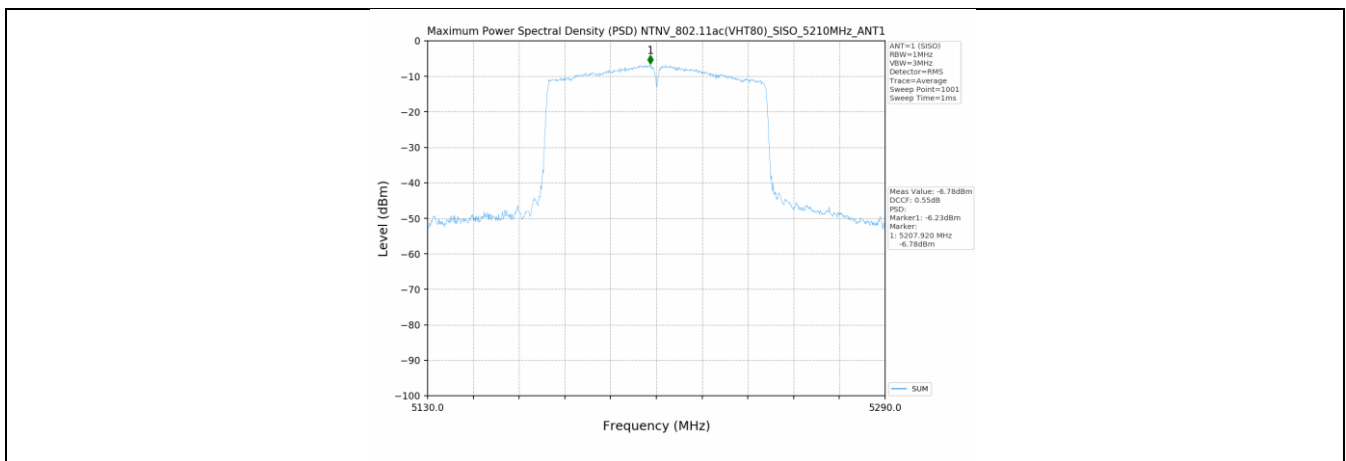
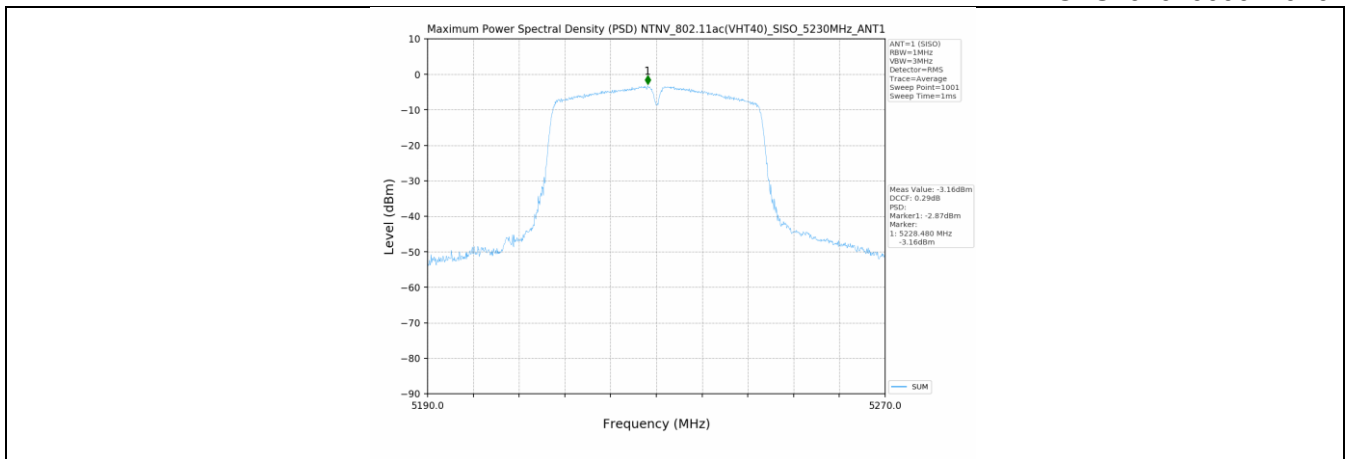
4.2 Test Graph











5. Frequency Stability

5.1 Test Result

Test Condition	Test Mode	Test Frequency [MHz]	Ant	Result [ppm]	Limit [ppm]	Verdict
NTNV	802.11a	5180	1	0	<=20	PASS
		5200	1	-3.85	<=20	PASS
		5240	1	0	<=20	PASS
	802.11ac	5210	1	-5.16	<=20	PASS
	802.11n	5190	1	0	<=20	PASS
		5230	1	0	<=20	PASS