



Shenzhen CTL Testing Technology Co., Ltd.

Tel: +86-755-89486194 E-mail: ctl@ctl-lab.com

Appendix for 15.407

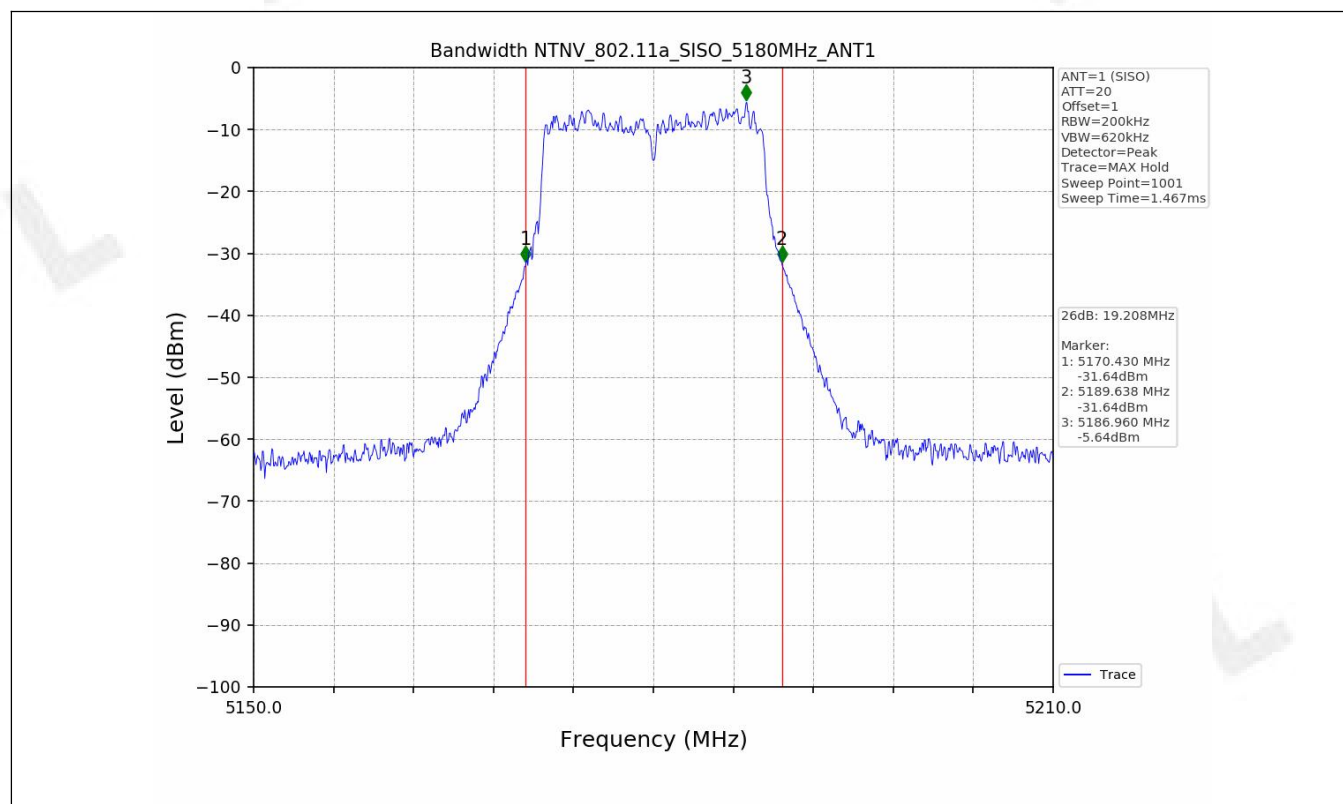
1. Bandwidth

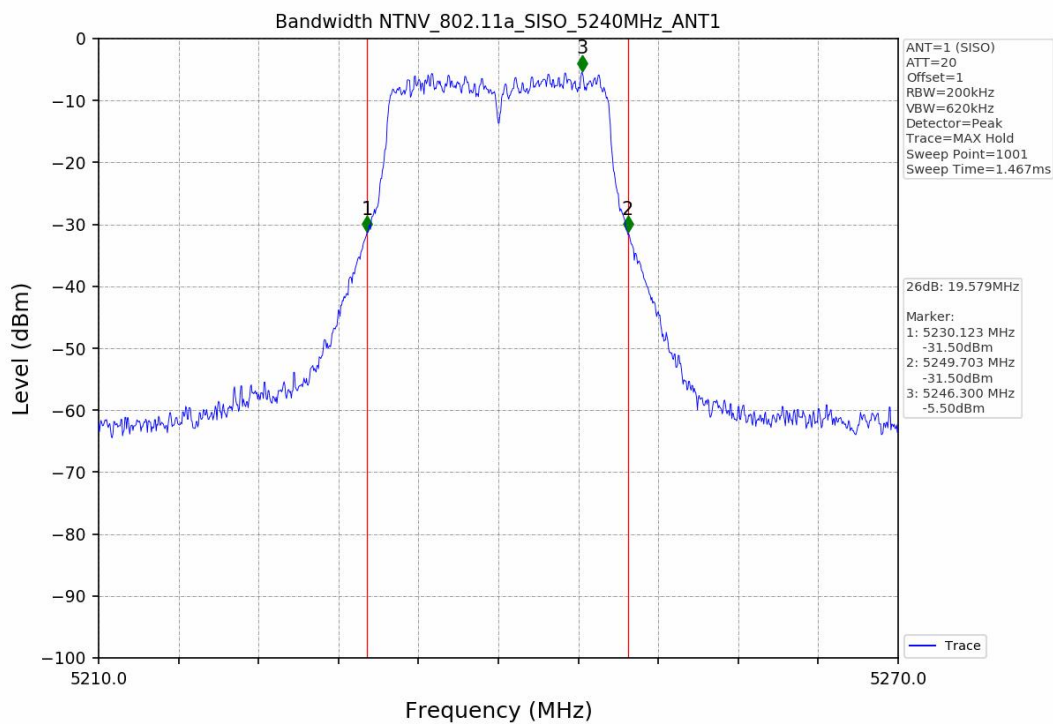
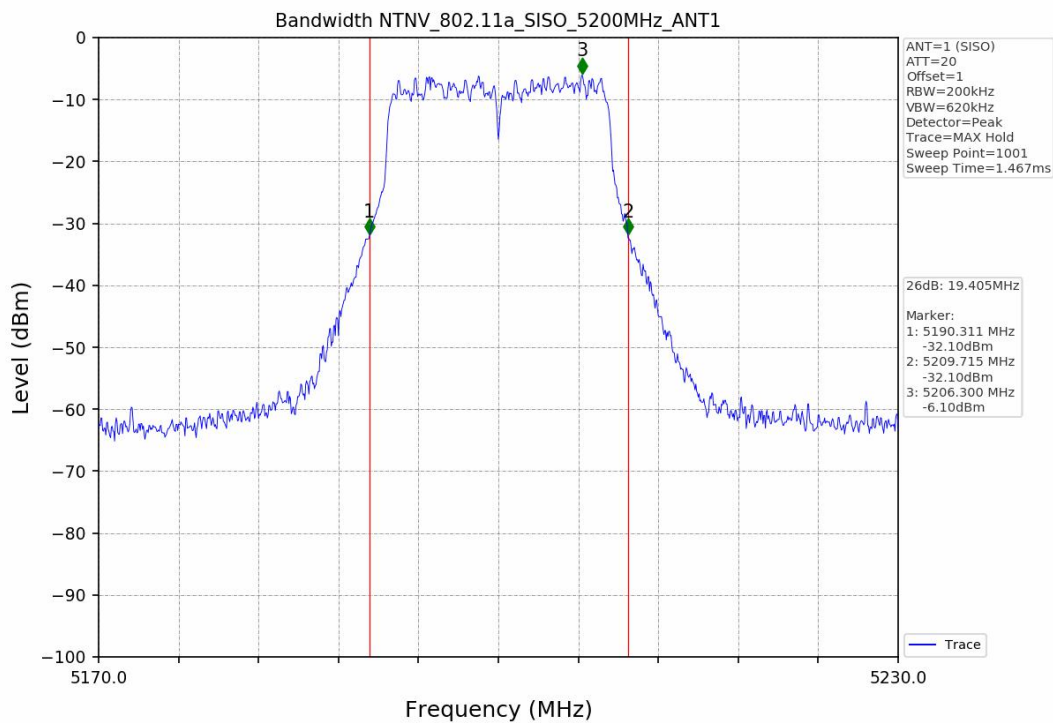
1.1 Test Result

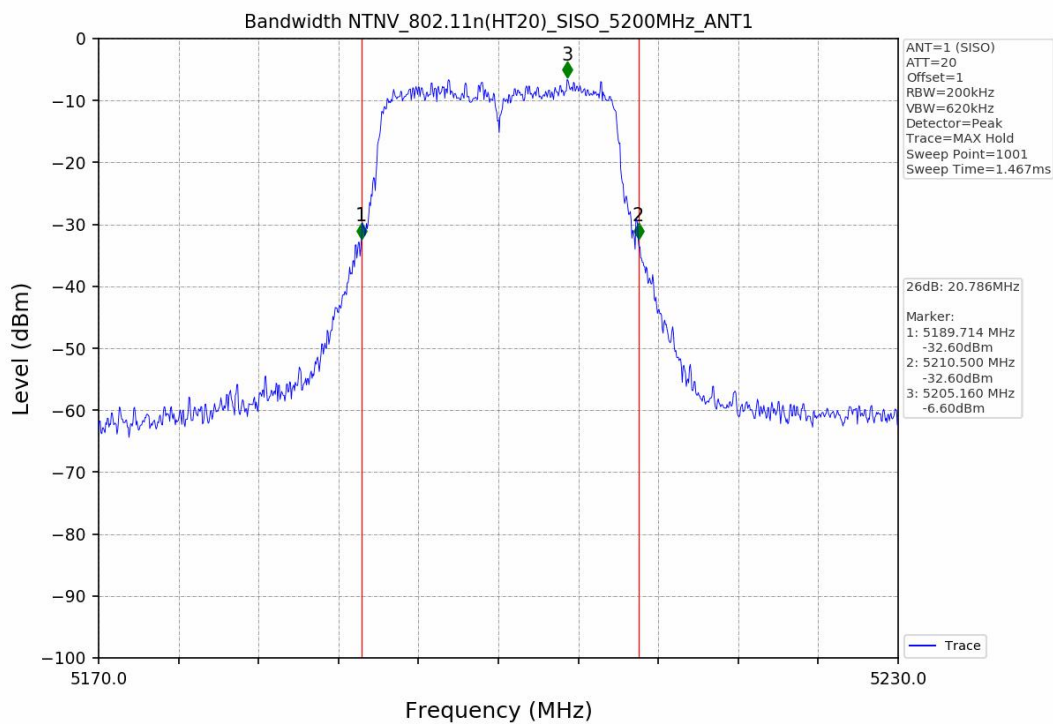
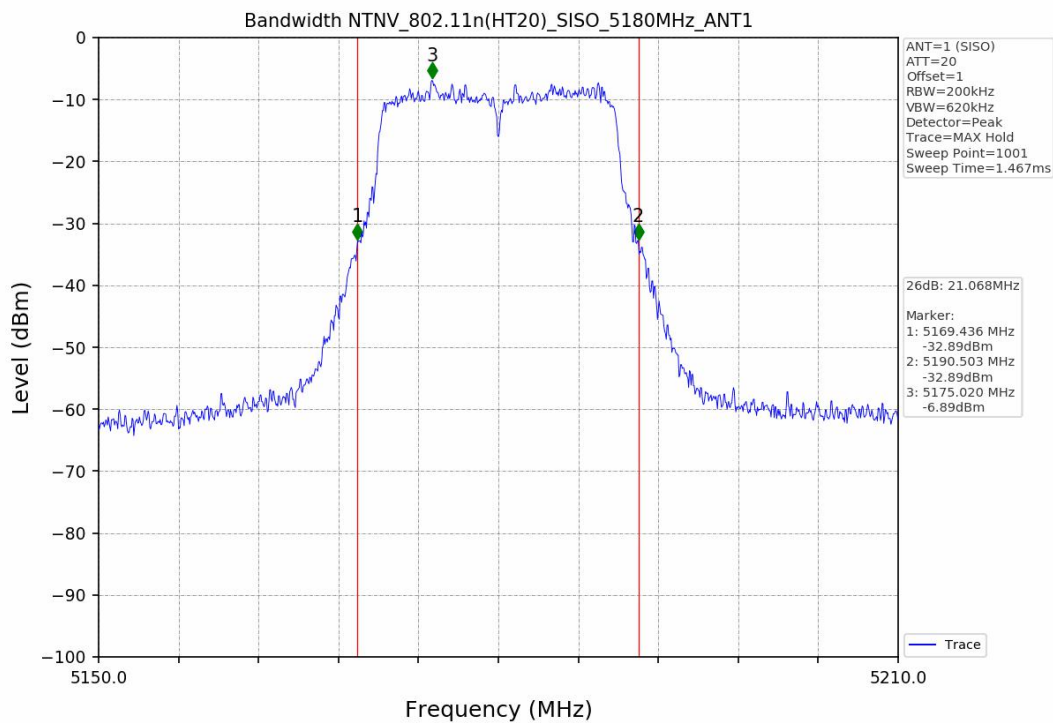
Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11a	5180	SISO	1	19.208	Only for Report Use	PASS
	5200	SISO	1	19.405	Only for Report Use	PASS
	5240	SISO	1	19.579	Only for Report Use	PASS
802.11n(HT20)	5180	SISO	1	21.068	Only for Report Use	PASS
	5200	SISO	1	20.786	Only for Report Use	PASS
	5240	SISO	1	20.739	Only for Report Use	PASS
802.11n(HT40)	5190	SISO	1	40.281	Only for Report Use	PASS
	5230	SISO	1	41.210	Only for Report Use	PASS
802.11ac(VHT20)	5180	SISO	1	20.134	Only for Report Use	PASS
	5200	SISO	1	20.313	Only for Report Use	PASS
	5240	SISO	1	20.486	Only for Report Use	PASS
802.11ac(VHT40)	5190	SISO	1	40.949	Only for Report Use	PASS
	5230	SISO	1	40.789	Only for Report Use	PASS
802.11ac(VHT80)	5210	SISO	1	80.862	Only for Report Use	PASS

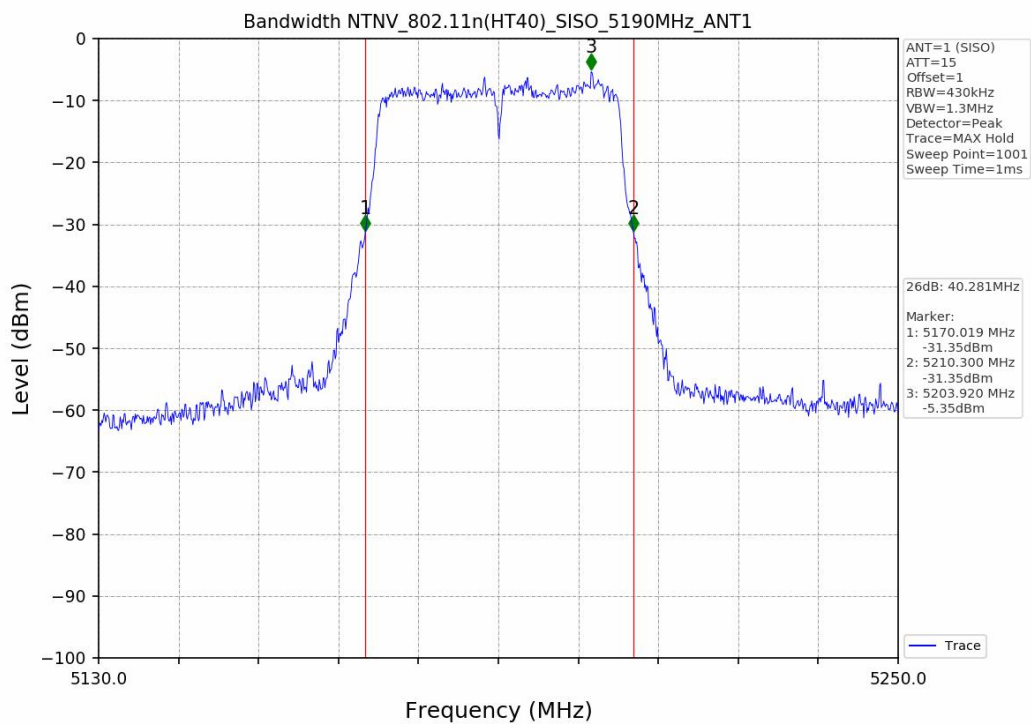
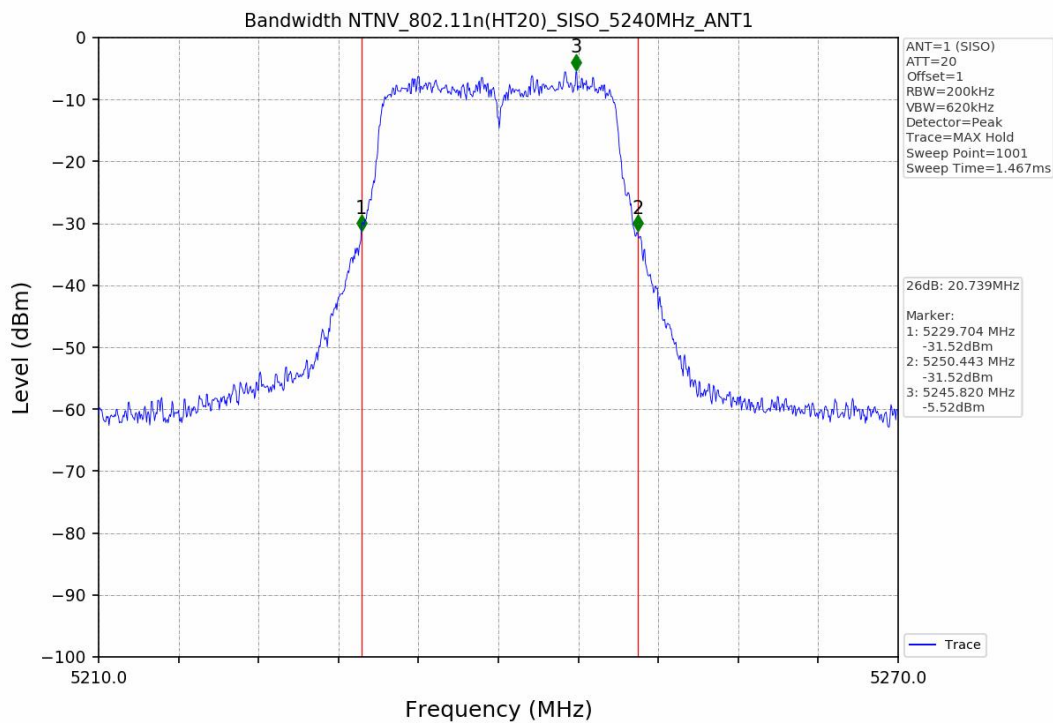
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11a	5180	SISO	1	16.619	Only for Report Use
	5200	SISO	1	16.601	Only for Report Use
	5240	SISO	1	16.611	Only for Report Use
802.11n(HT20)	5180	SISO	1	17.744	Only for Report Use
	5200	SISO	1	17.753	Only for Report Use
	5240	SISO	1	17.771	Only for Report Use
802.11n(HT40)	5190	SISO	1	36.314	Only for Report Use
	5230	SISO	1	36.338	Only for Report Use
802.11ac(VHT20)	5180	SISO	1	17.670	Only for Report Use
	5200	SISO	1	17.731	Only for Report Use
	5240	SISO	1	17.689	Only for Report Use
802.11ac(VHT40)	5190	SISO	1	36.367	Only for Report Use
	5230	SISO	1	36.520	Only for Report Use
802.11ac(VHT80)	5210	SISO	1	75.557	Only for Report Use

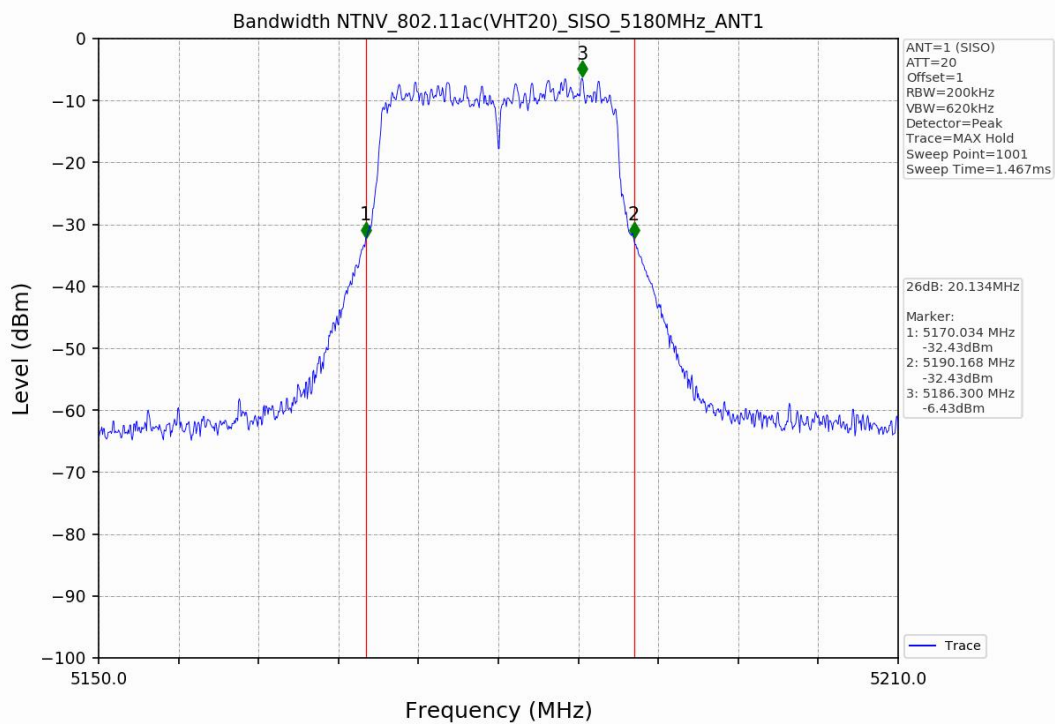
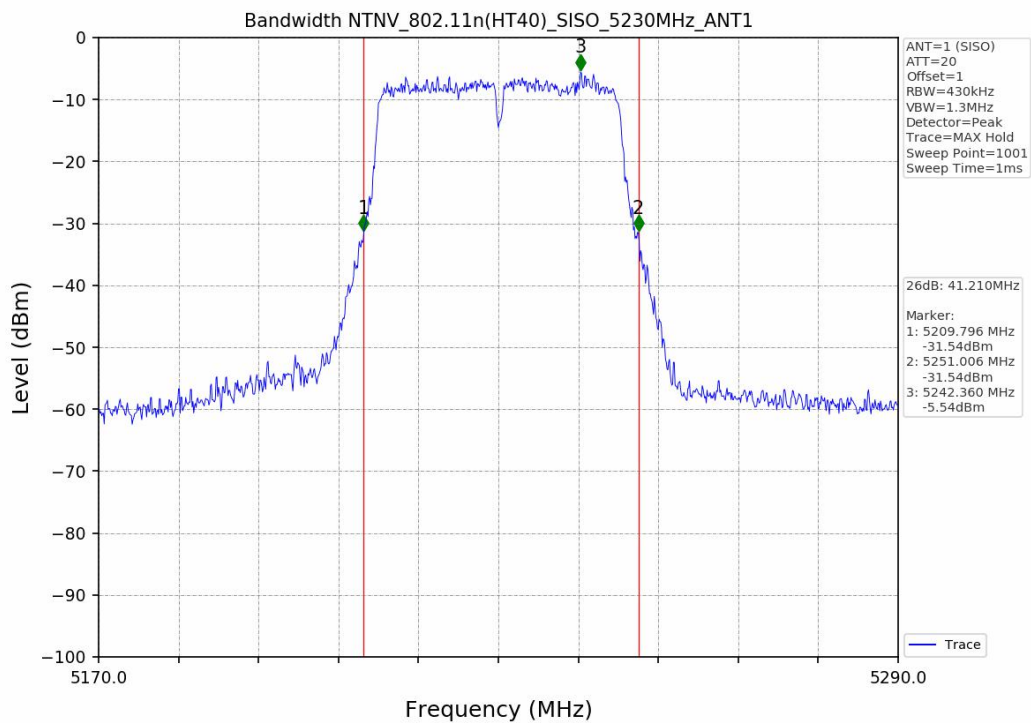
1.2 Test Graph - Emission Bandwidth

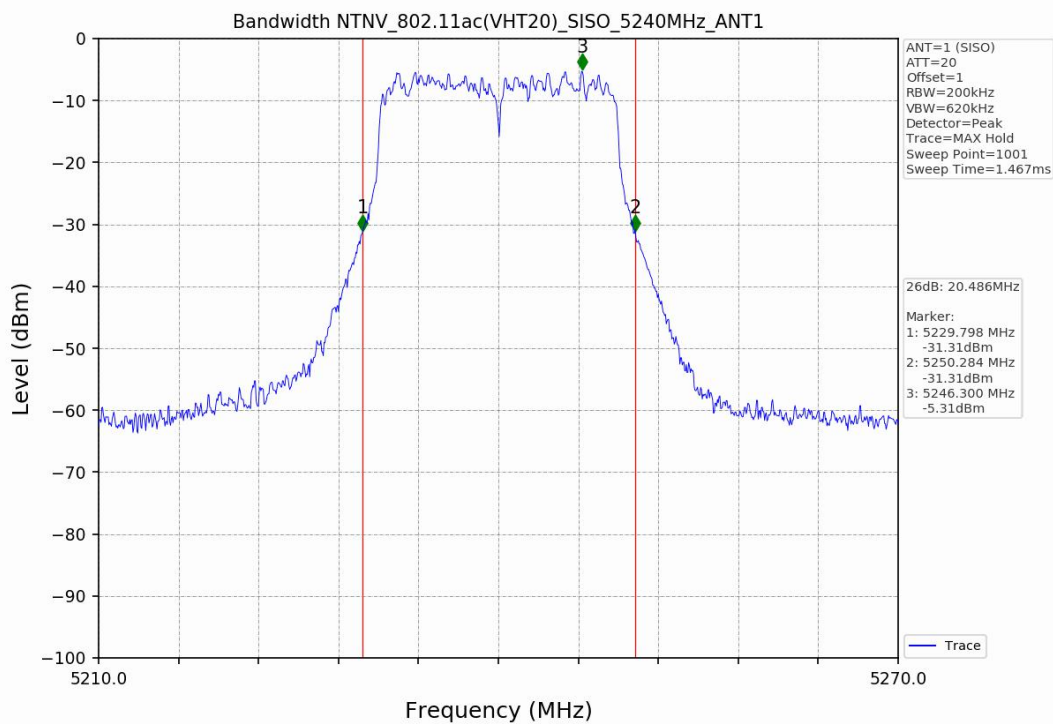
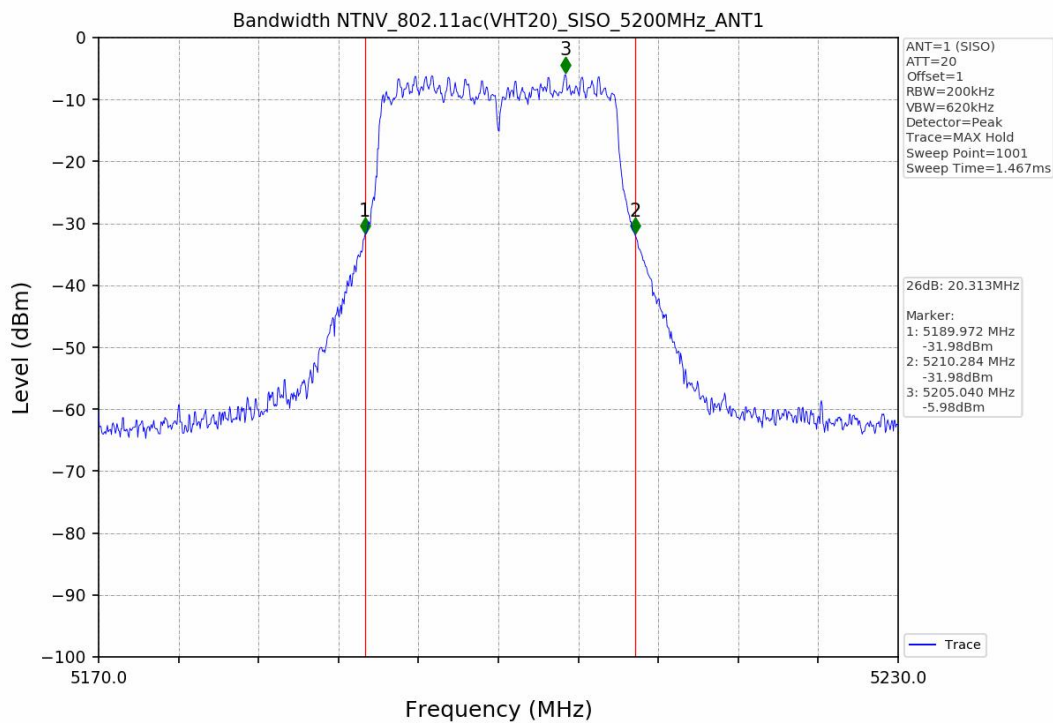


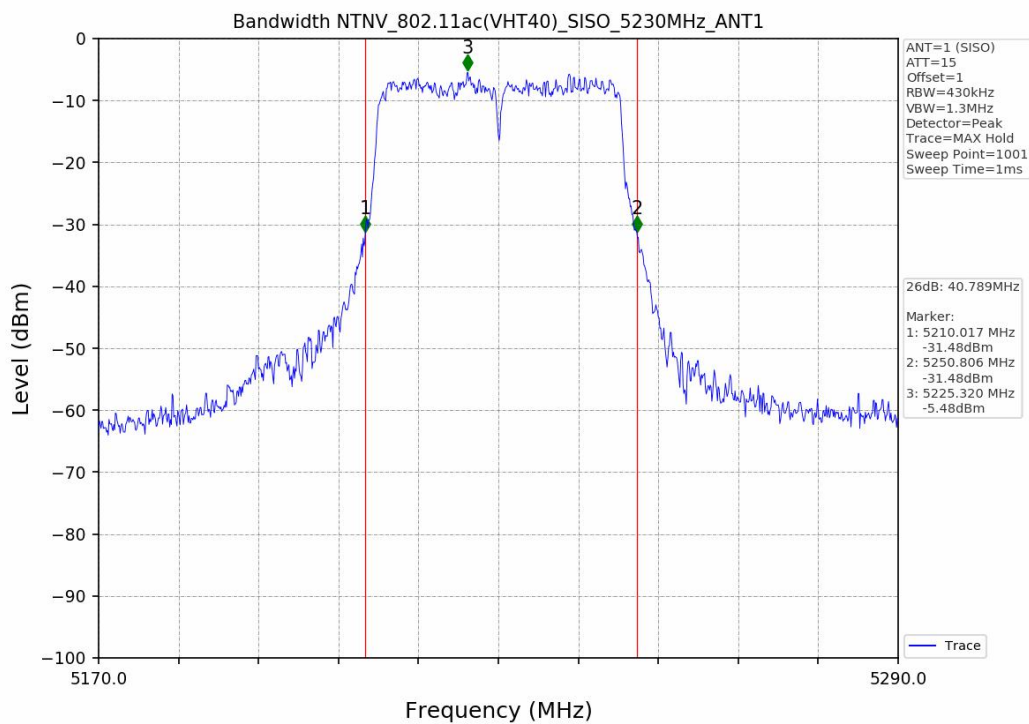
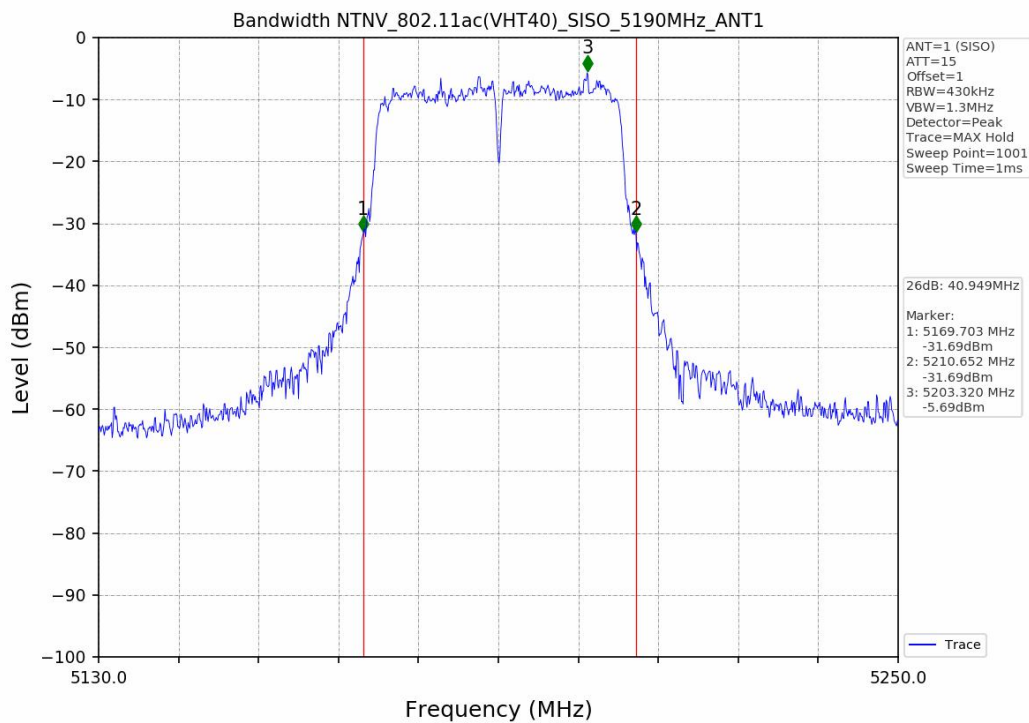


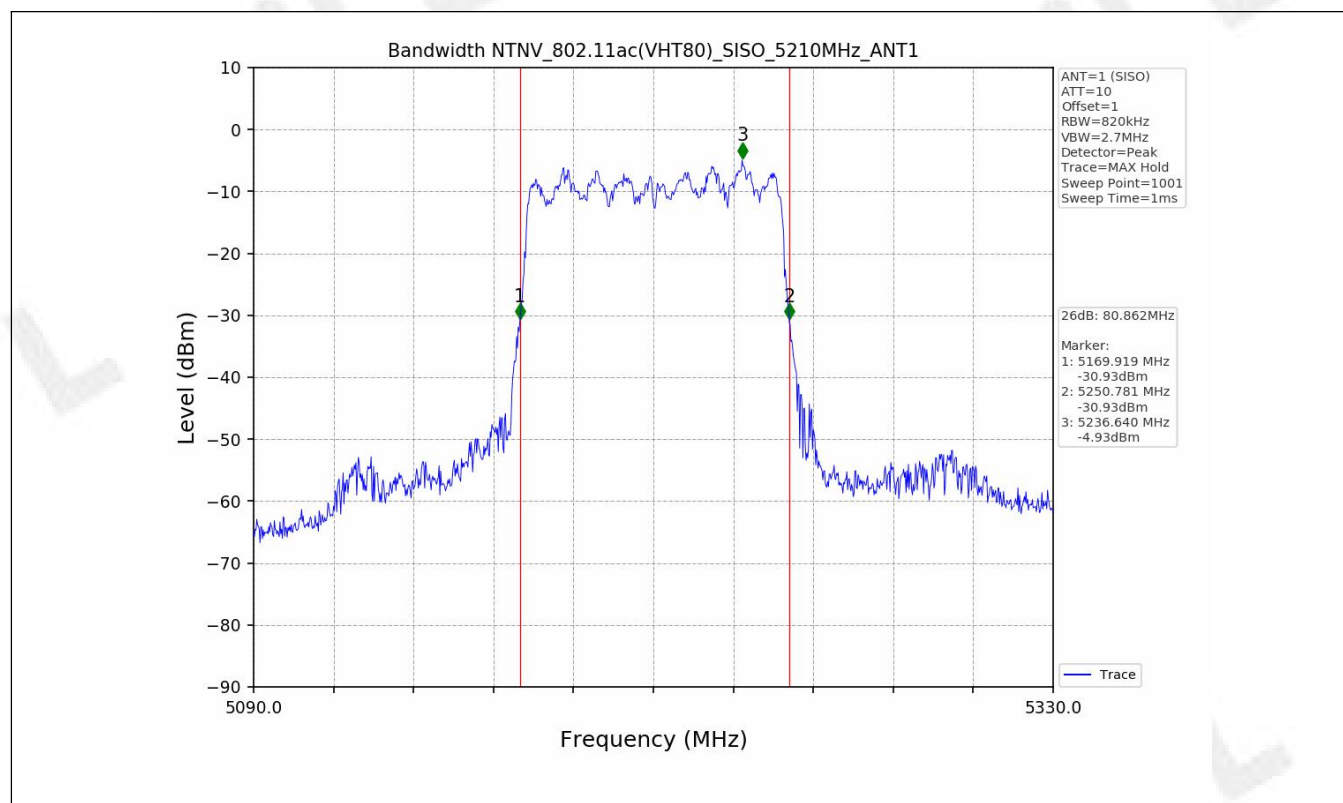




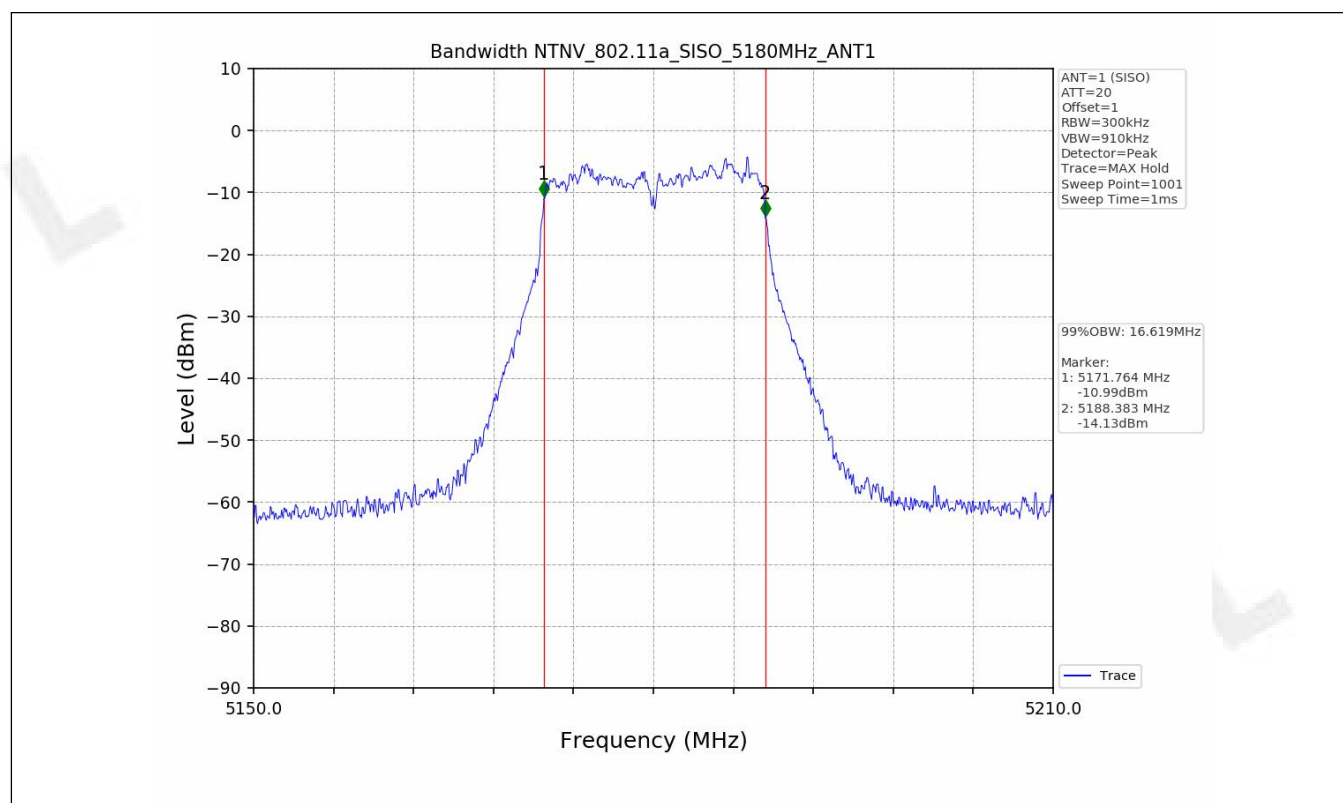


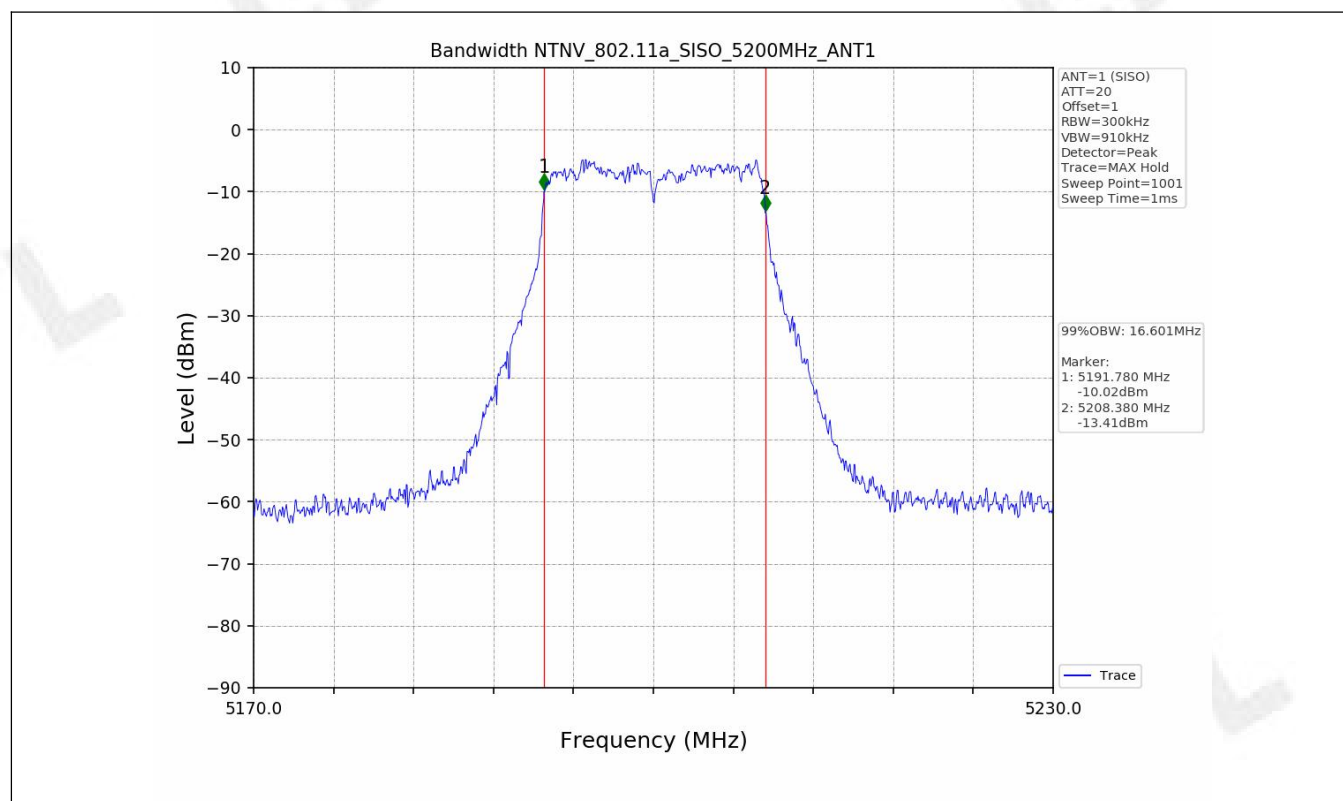


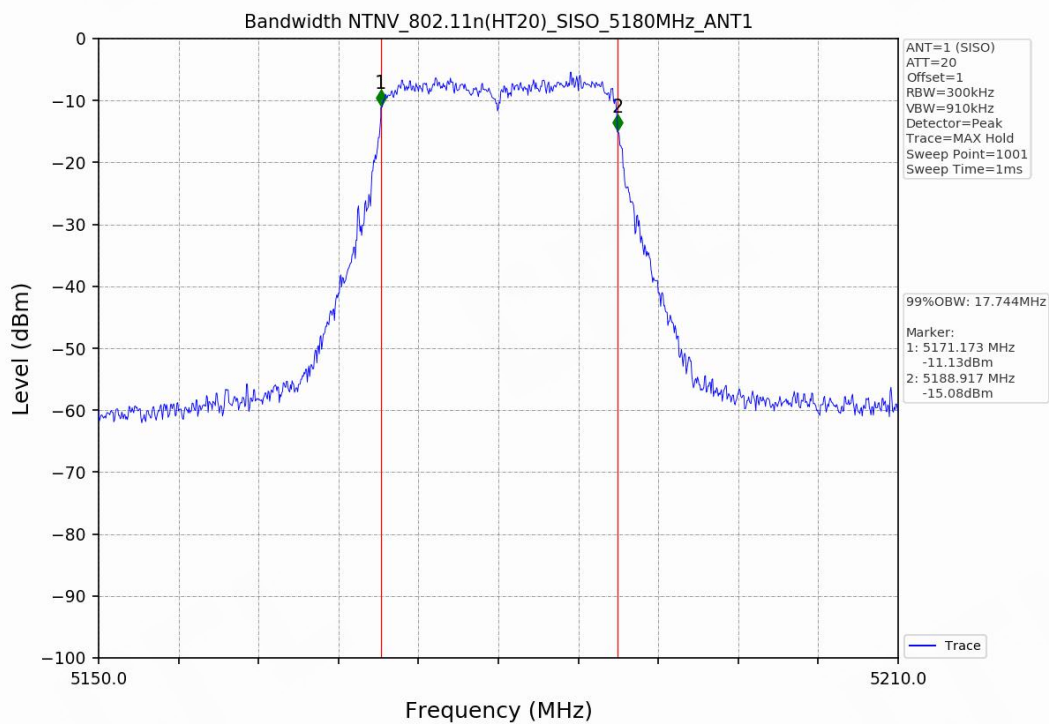
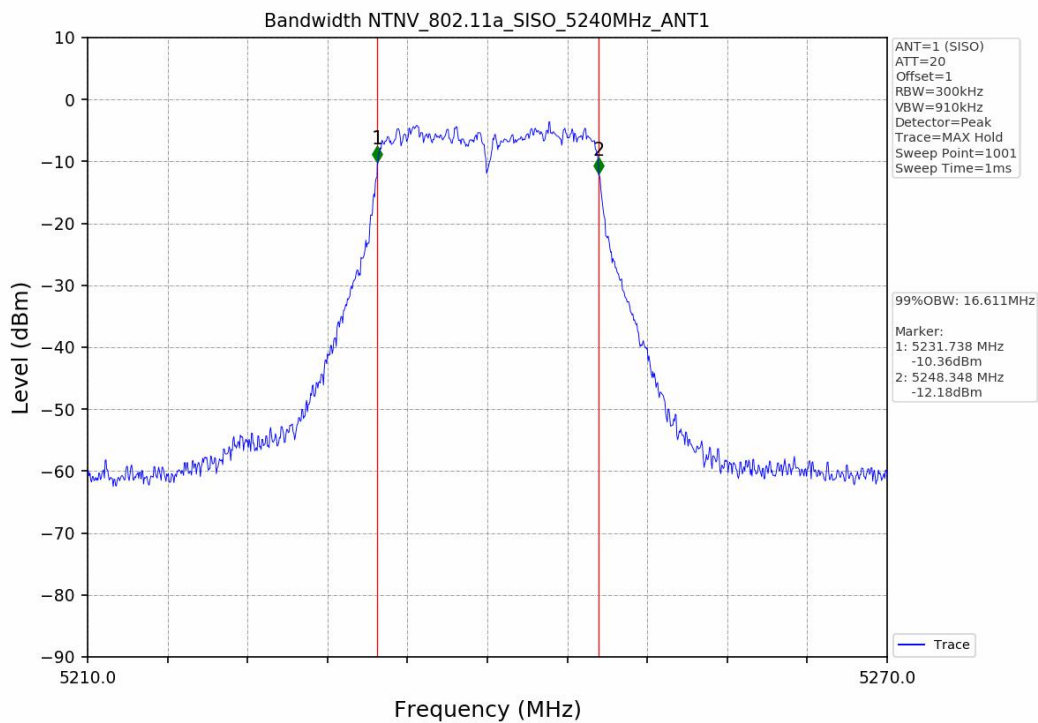


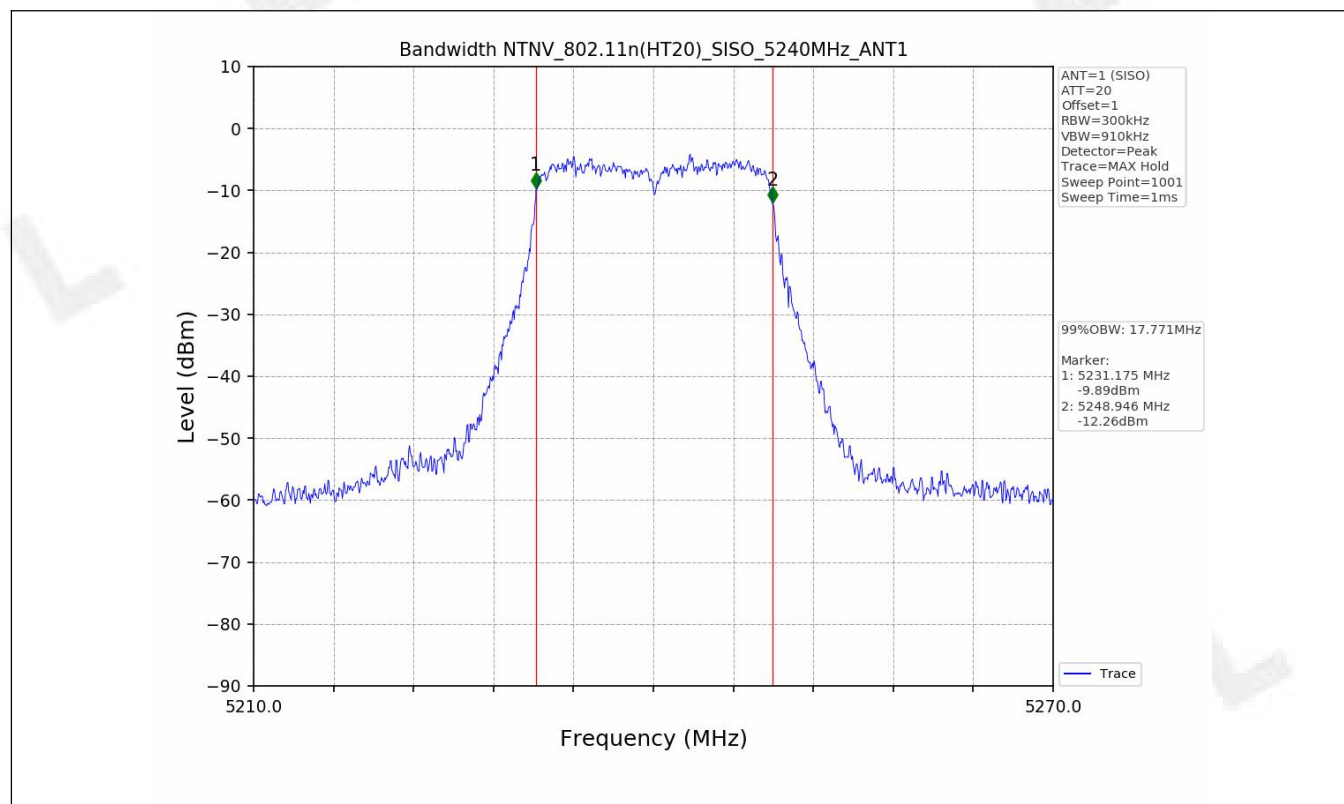
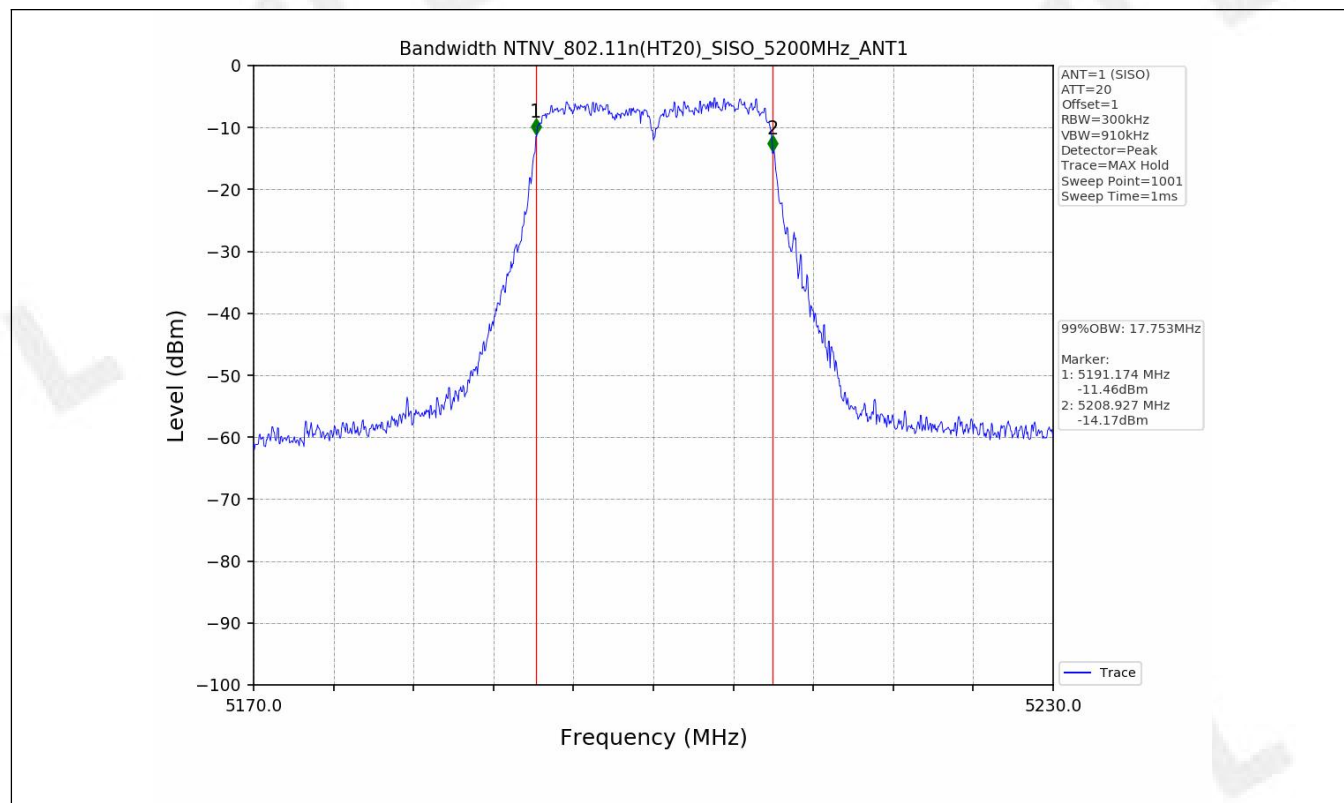


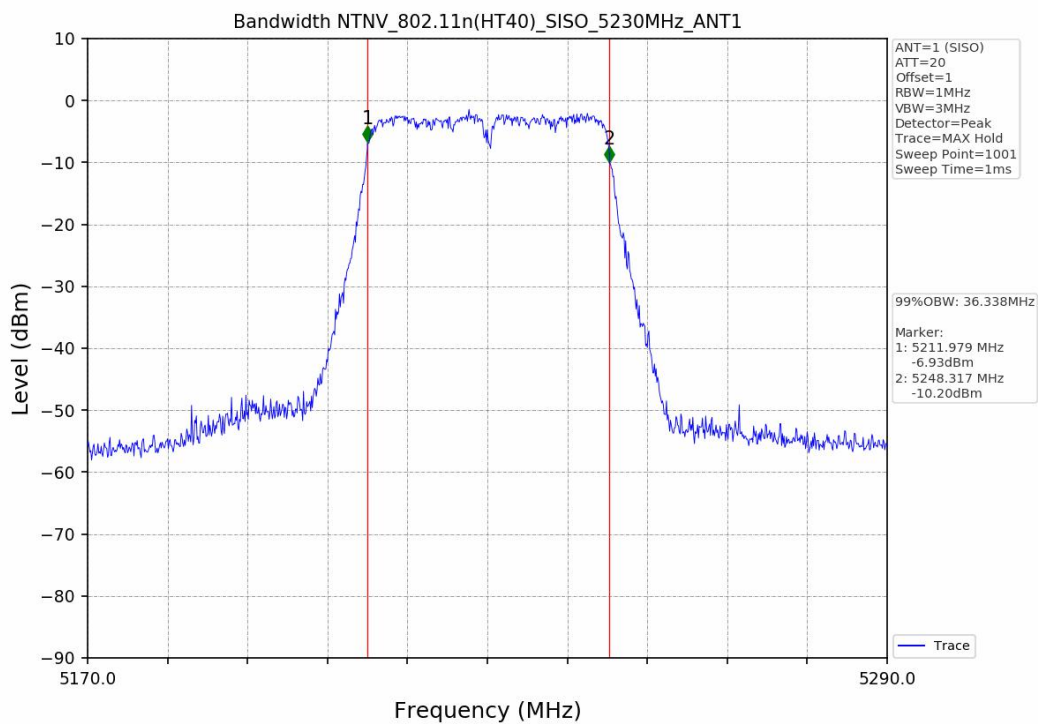
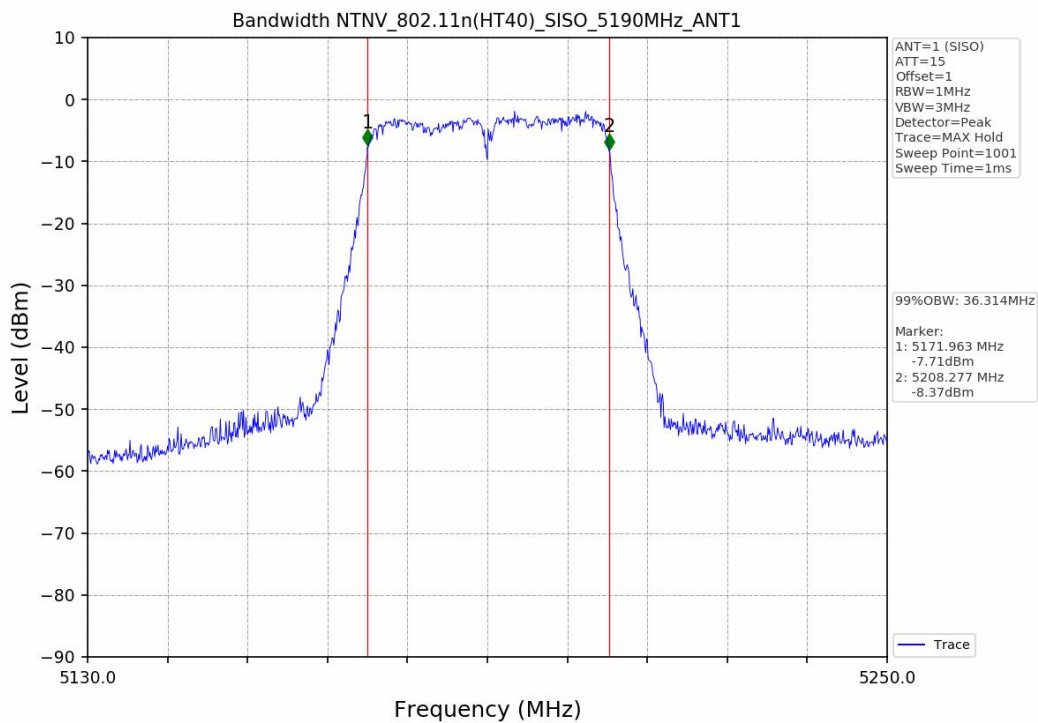
1.3 Test Graph - 99% Occupied Bandwidth

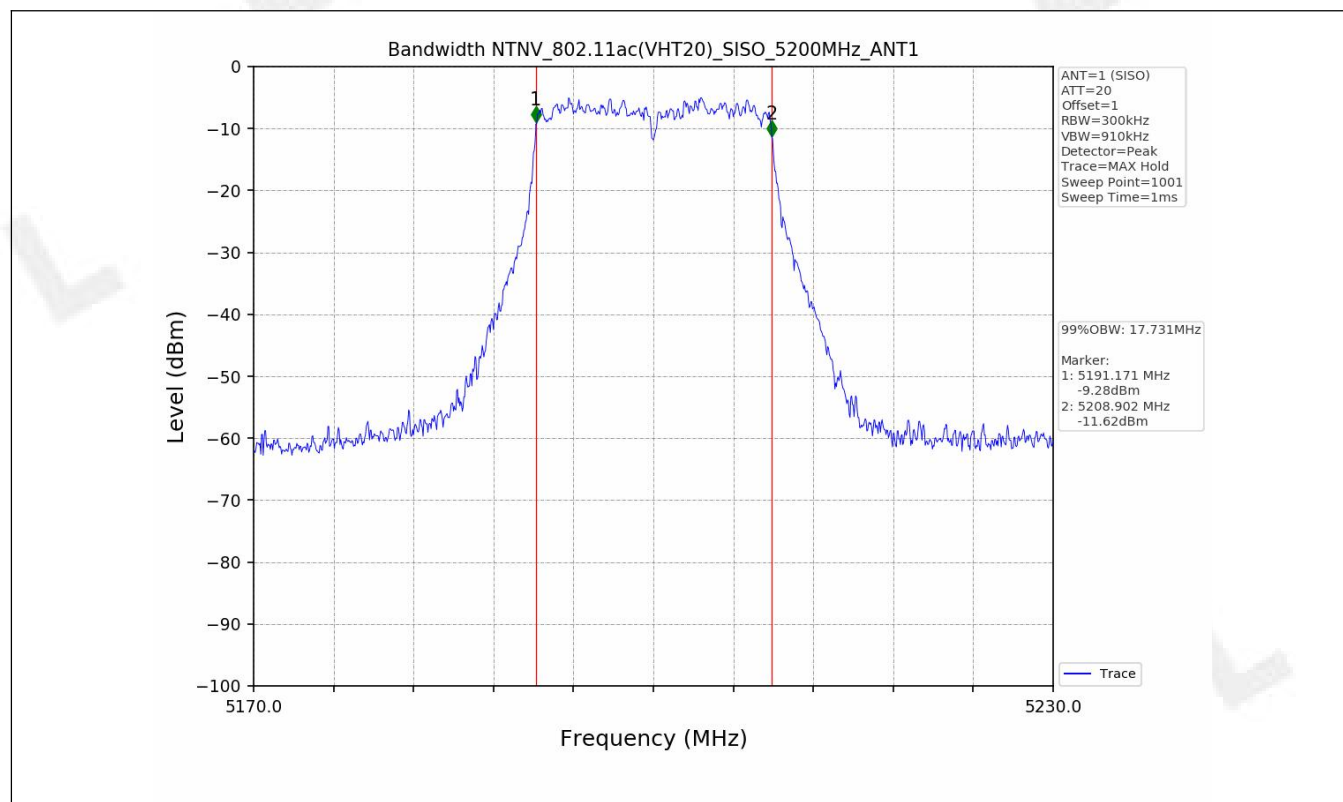
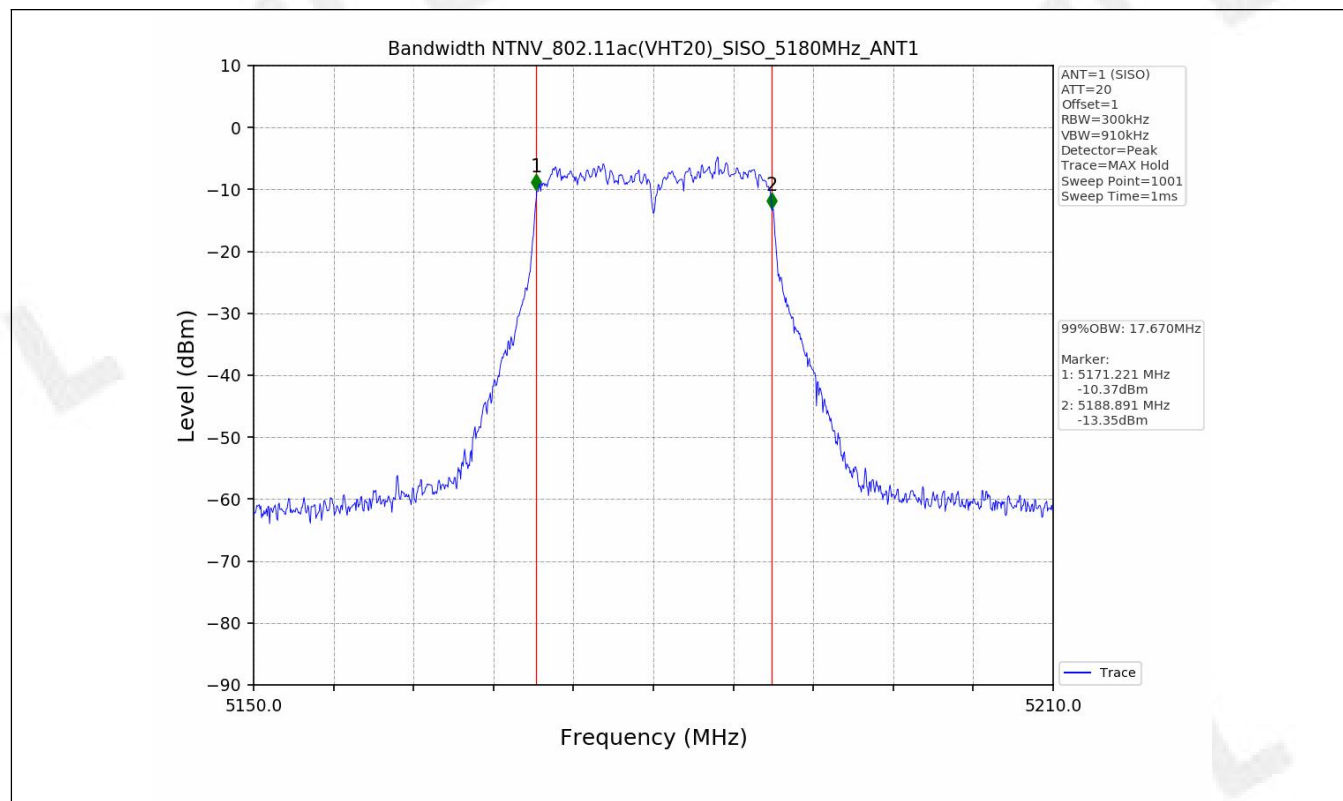


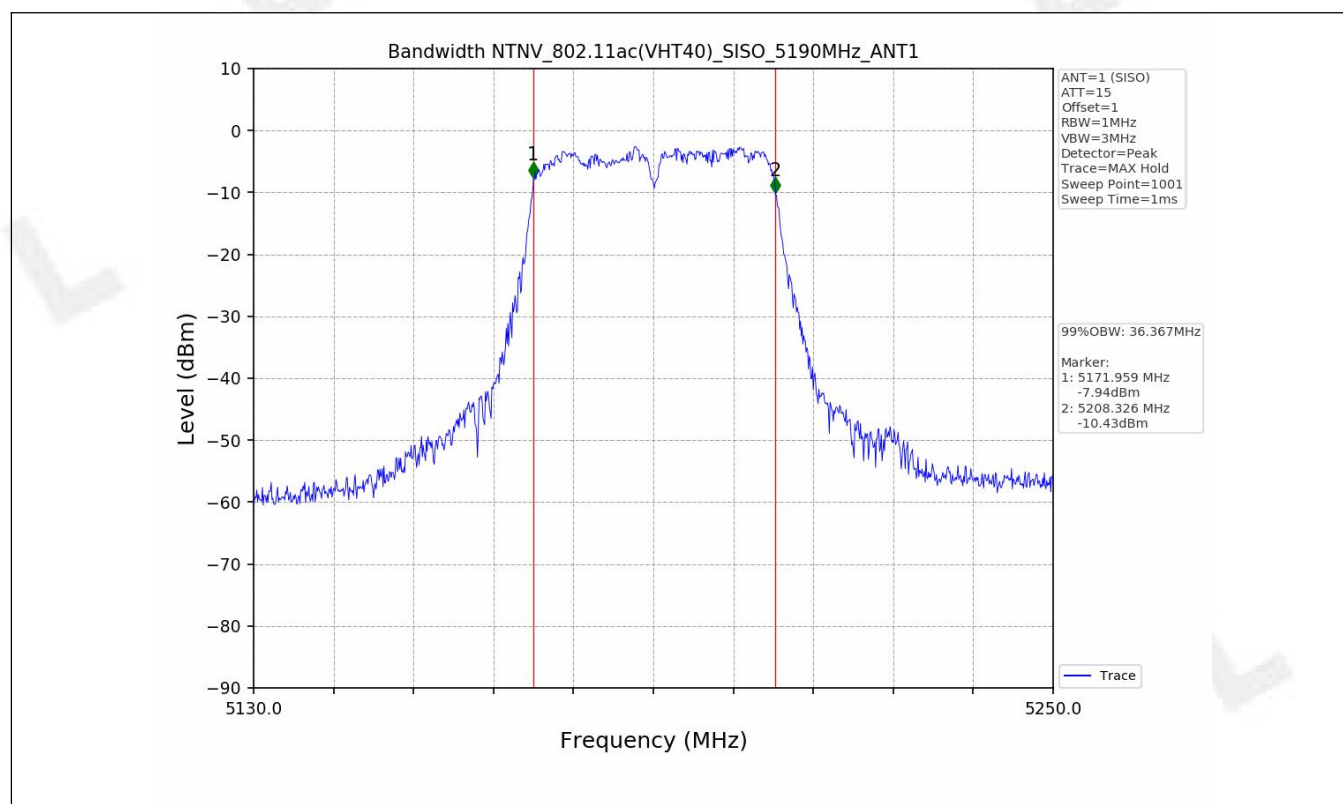
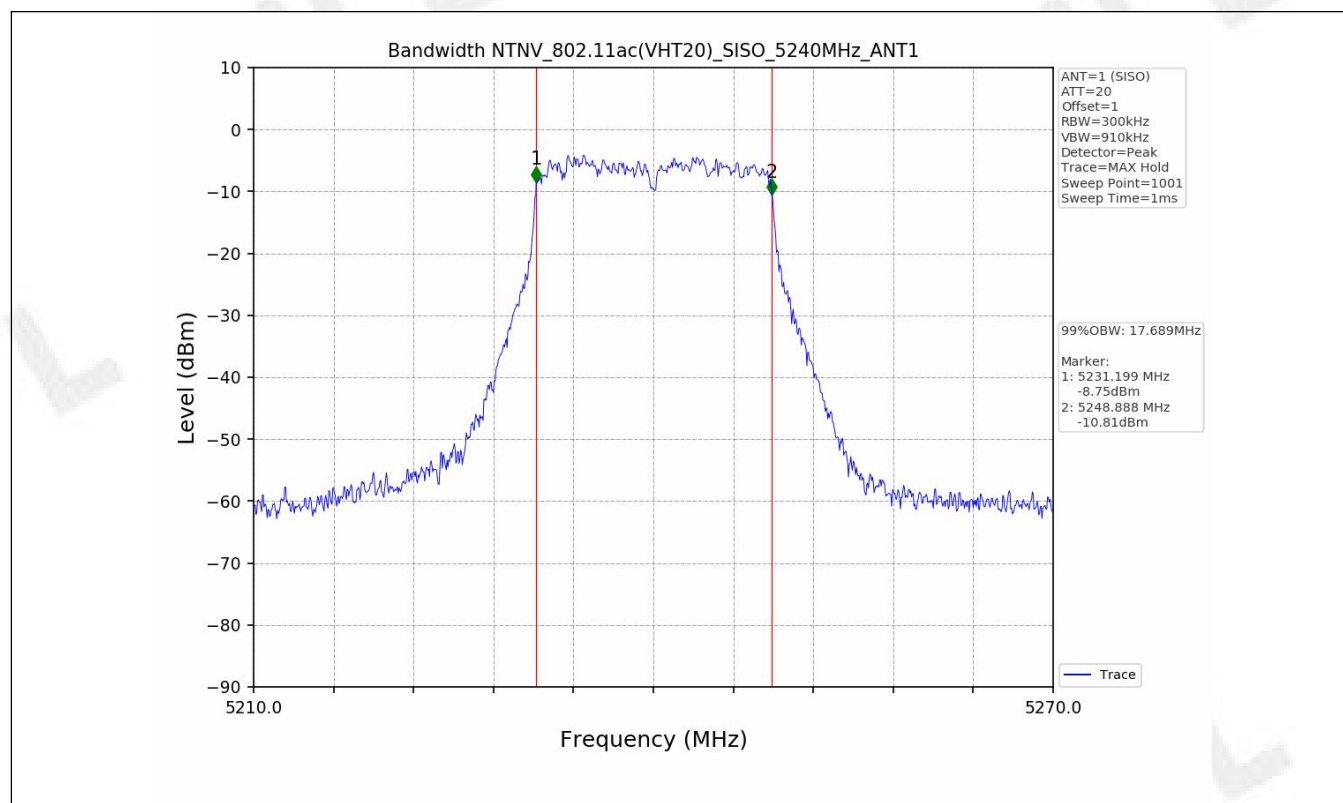


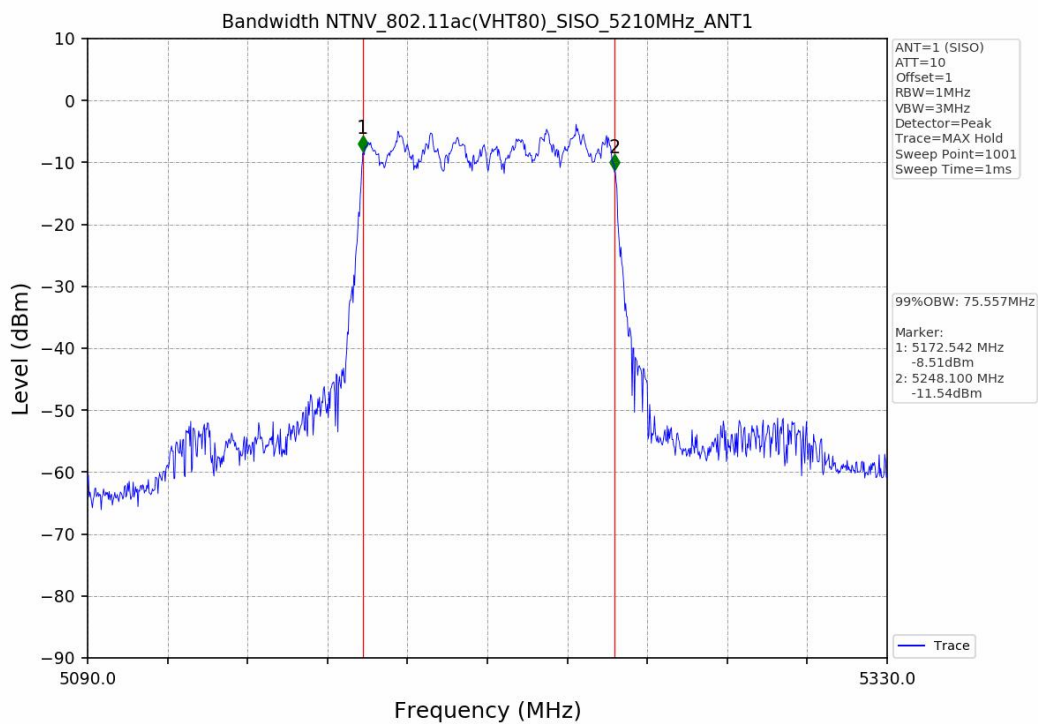
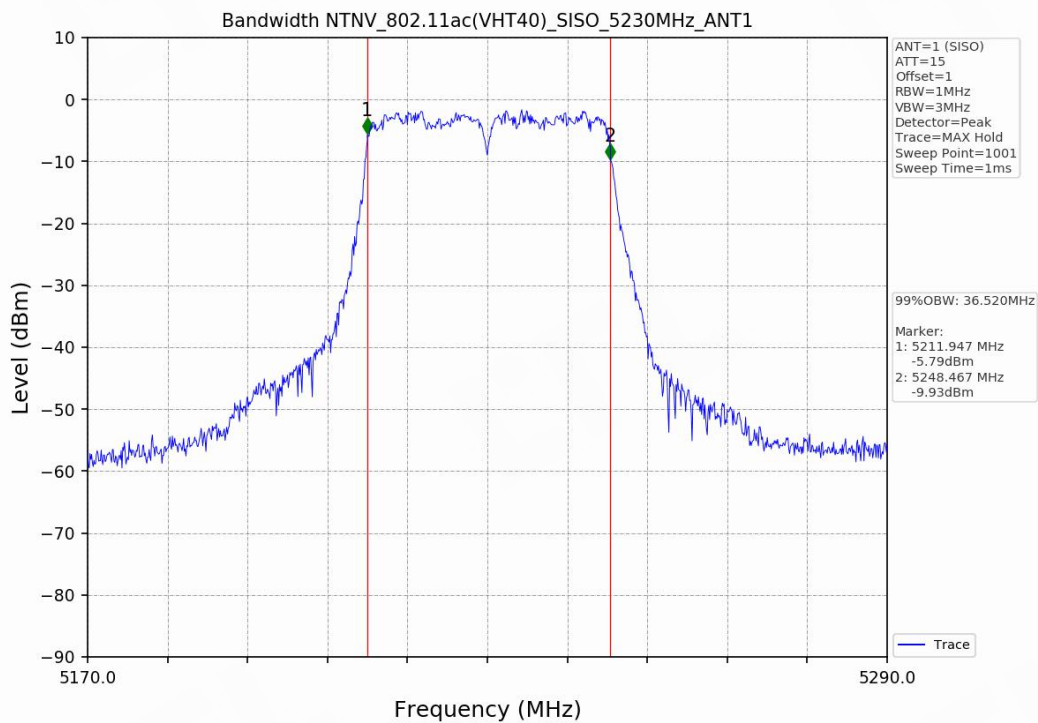










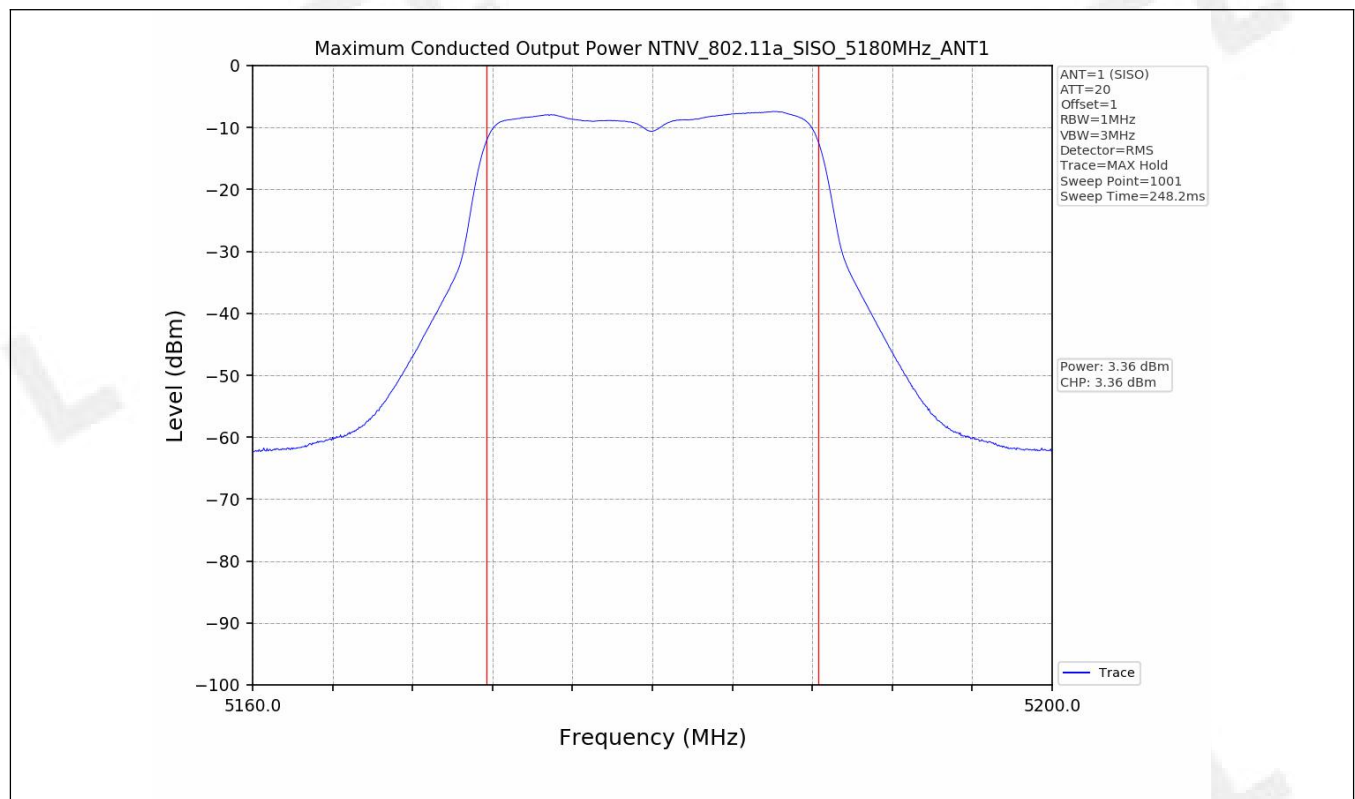


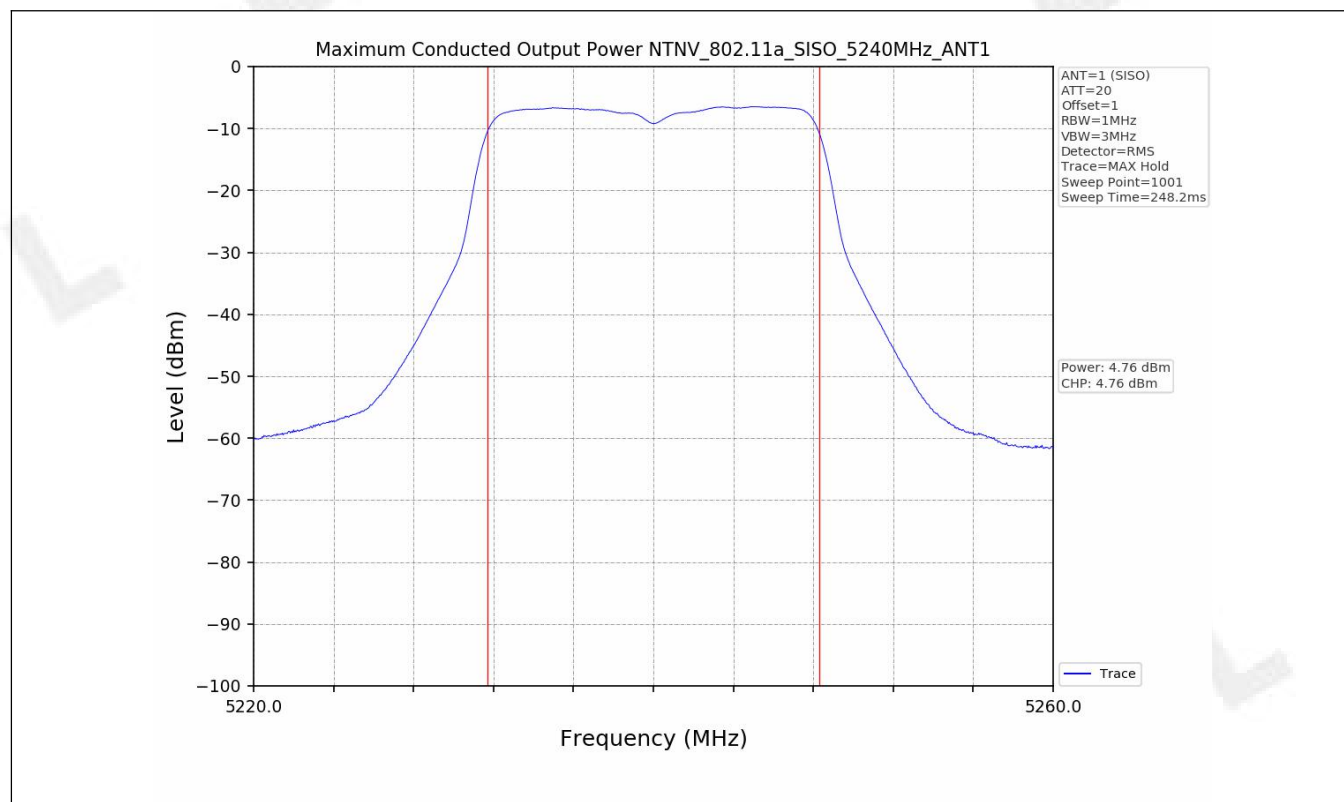
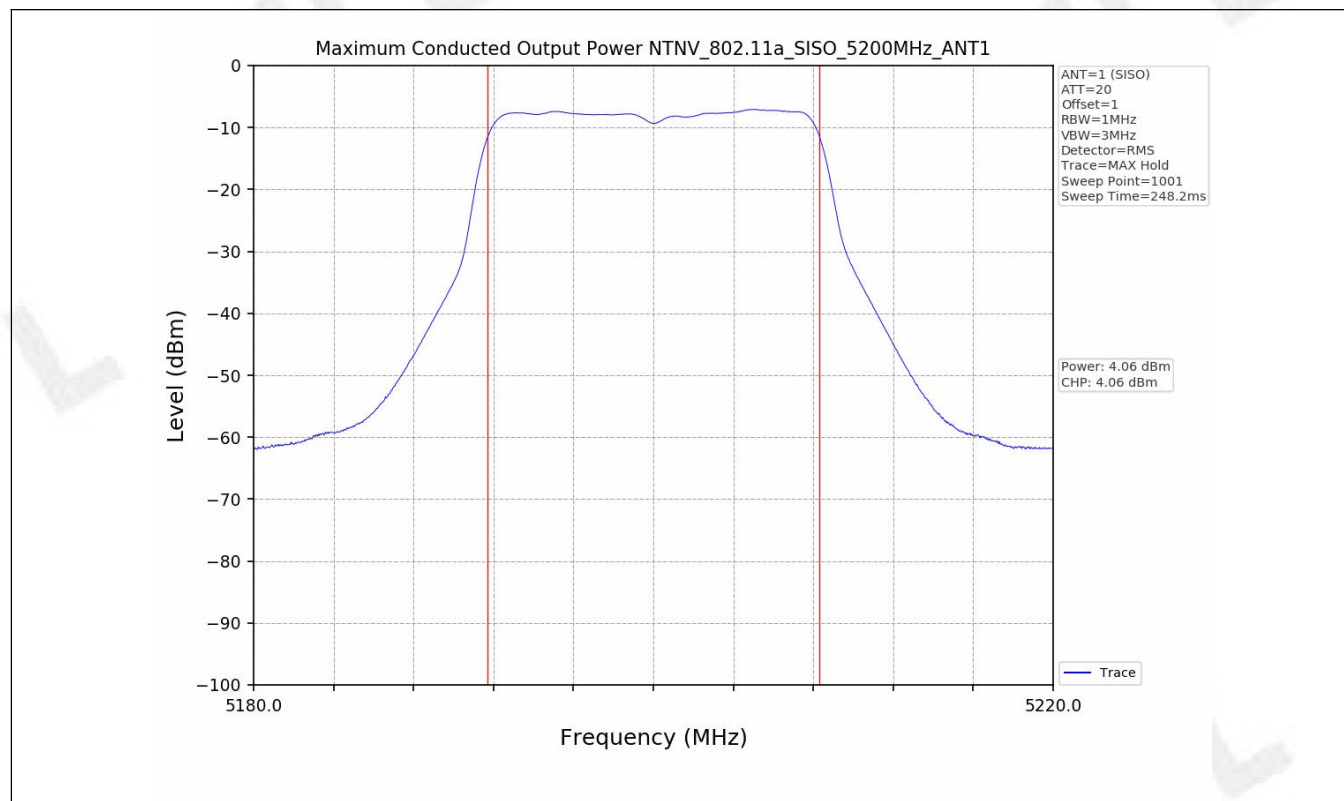
2. Maximum Conducted Output Power

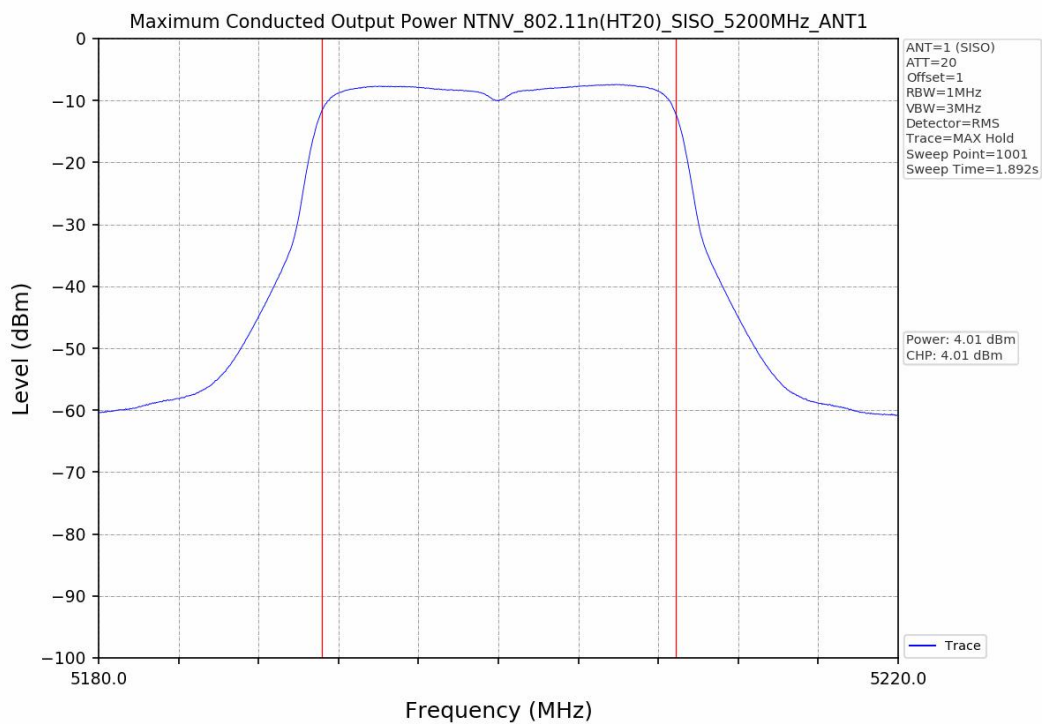
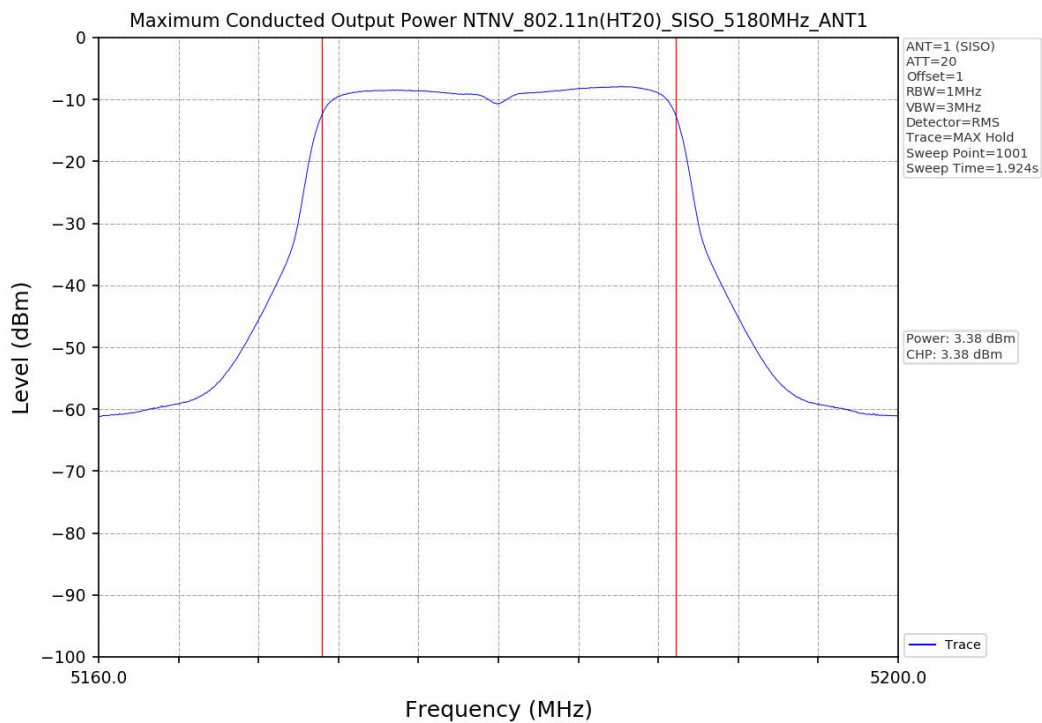
2.1 Test Result

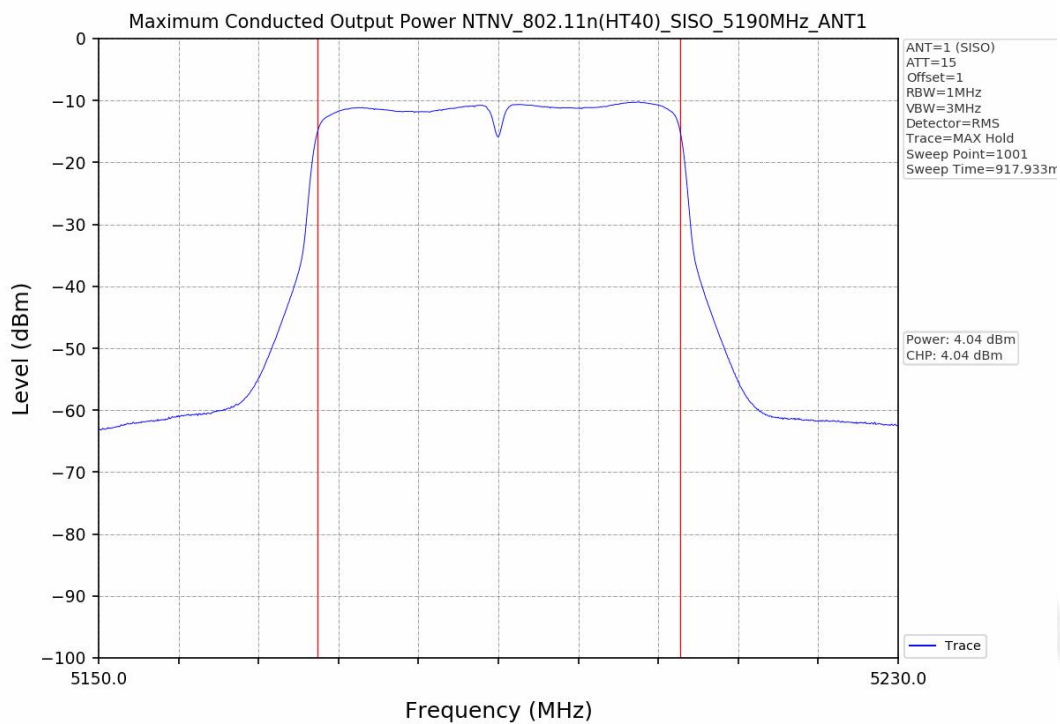
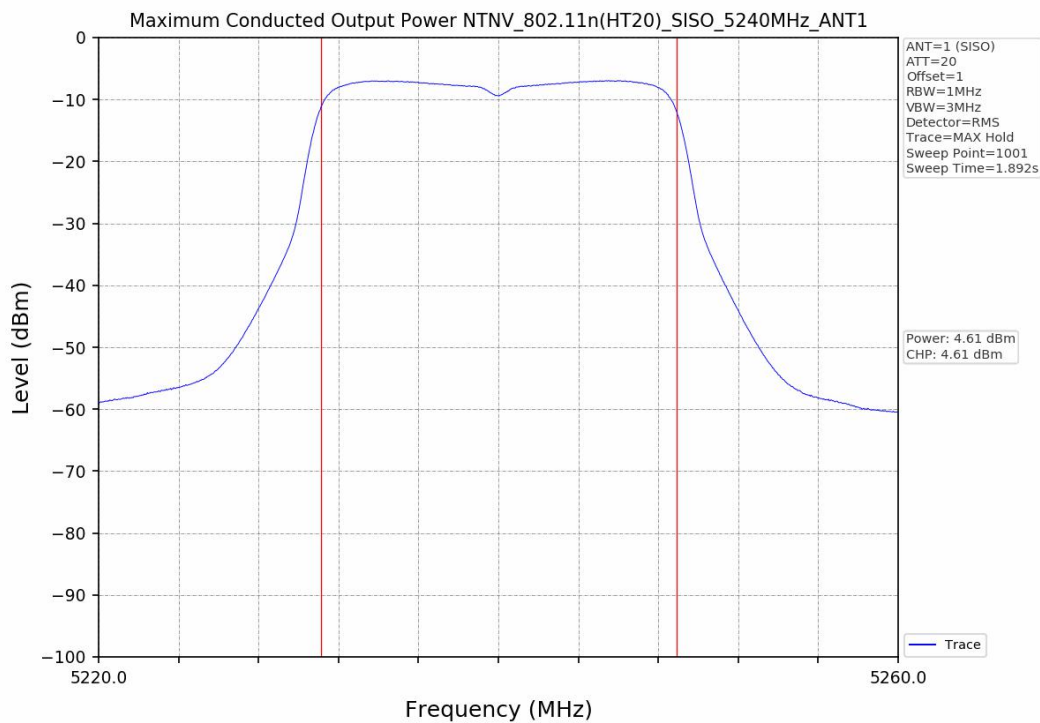
Test Mode	Frequency (MHz)	Tx Type	Measured Output Power (dBm)	Limit (dBm)	Verdict
			Ant 1		
802.11a	5180	SISO	3.36	≤23.98	PASS
	5200	SISO	4.06	≤23.98	PASS
	5240	SISO	4.76	≤23.98	PASS
802.11n(HT20)	5180	SISO	3.38	≤23.98	PASS
	5200	SISO	4.01	≤23.98	PASS
	5240	SISO	4.61	≤23.98	PASS
802.11n(HT40)	5190	SISO	4.04	≤23.98	PASS
	5230	SISO	4.54	≤23.98	PASS
802.11ac(VHT20)	5180	SISO	3.45	≤23.98	PASS
	5200	SISO	4.22	≤23.98	PASS
	5240	SISO	4.94	≤23.98	PASS
802.11ac(VHT40)	5190	SISO	3.86	≤23.98	PASS
	5230	SISO	4.78	≤23.98	PASS
802.11ac(VHT80)	5210	SISO	3.47	≤23.98	PASS

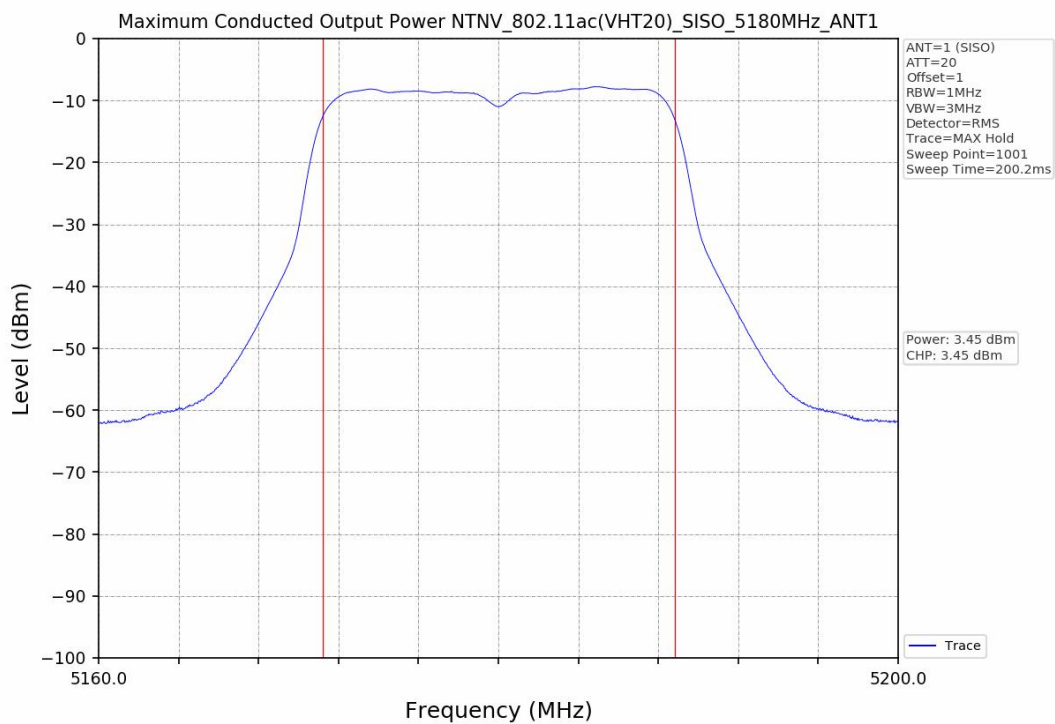
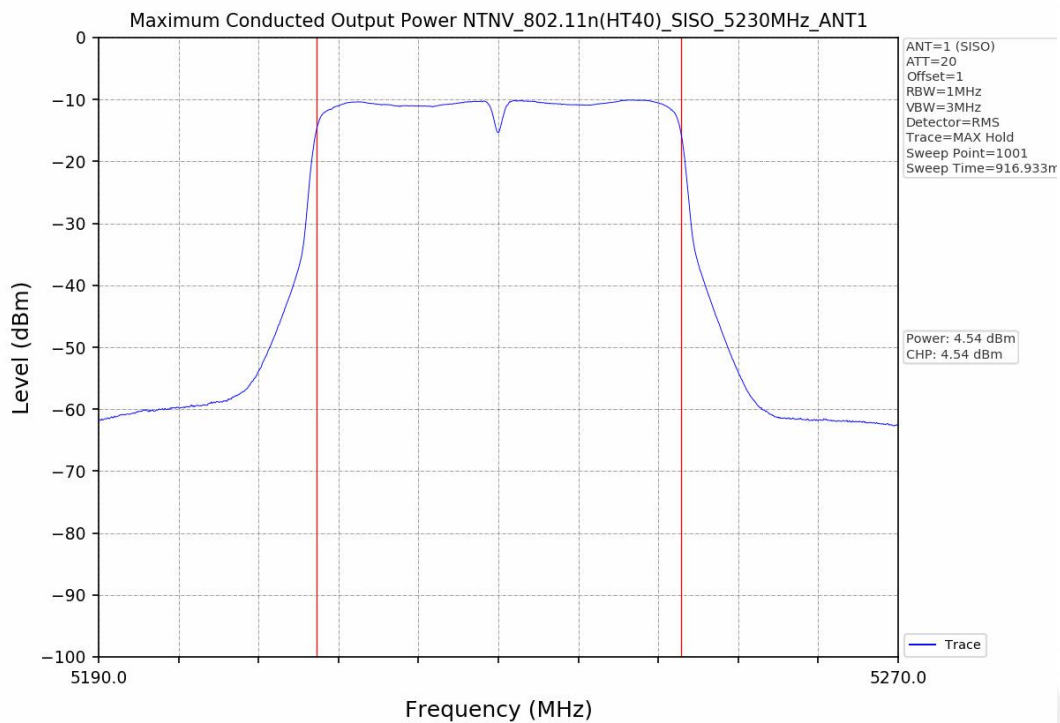
2.2 Test Graph

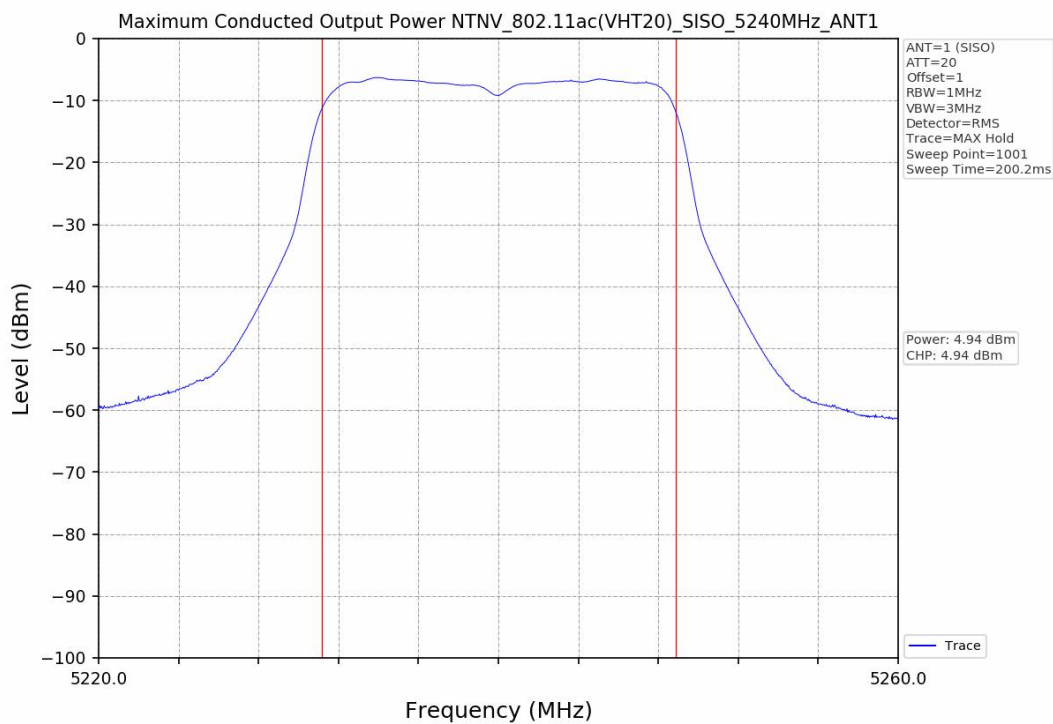
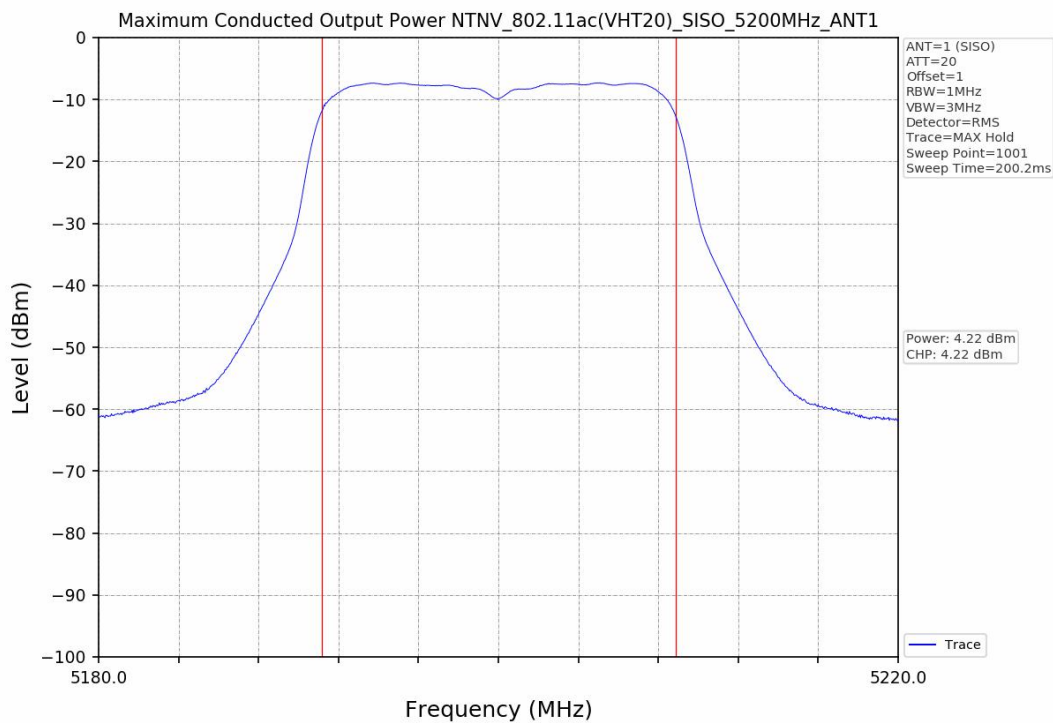


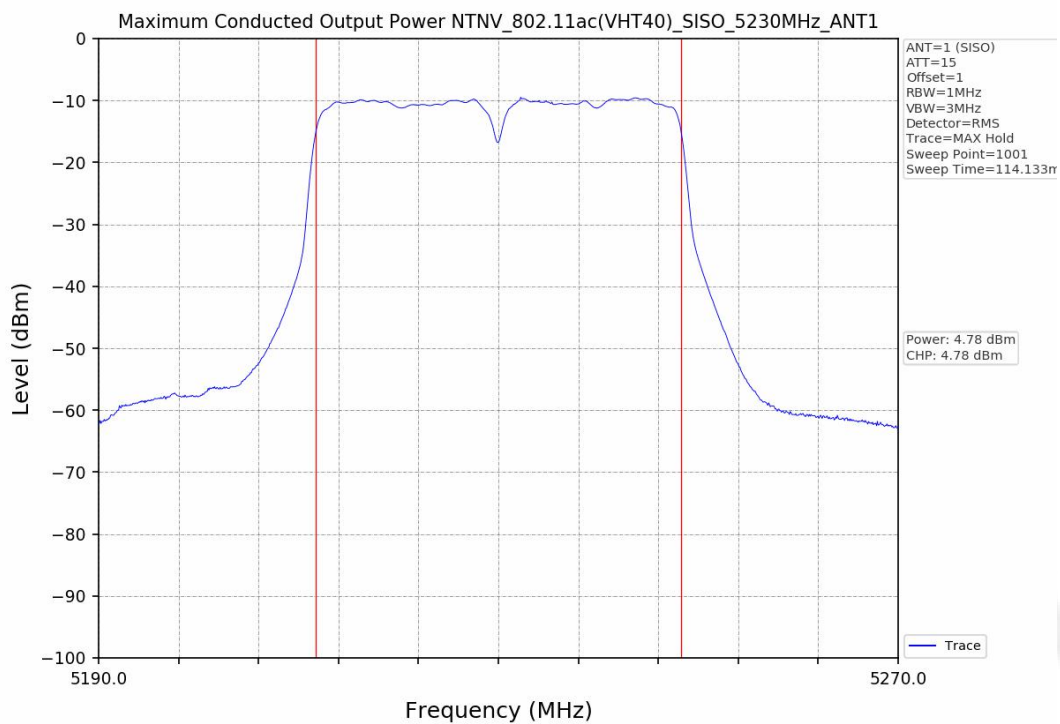
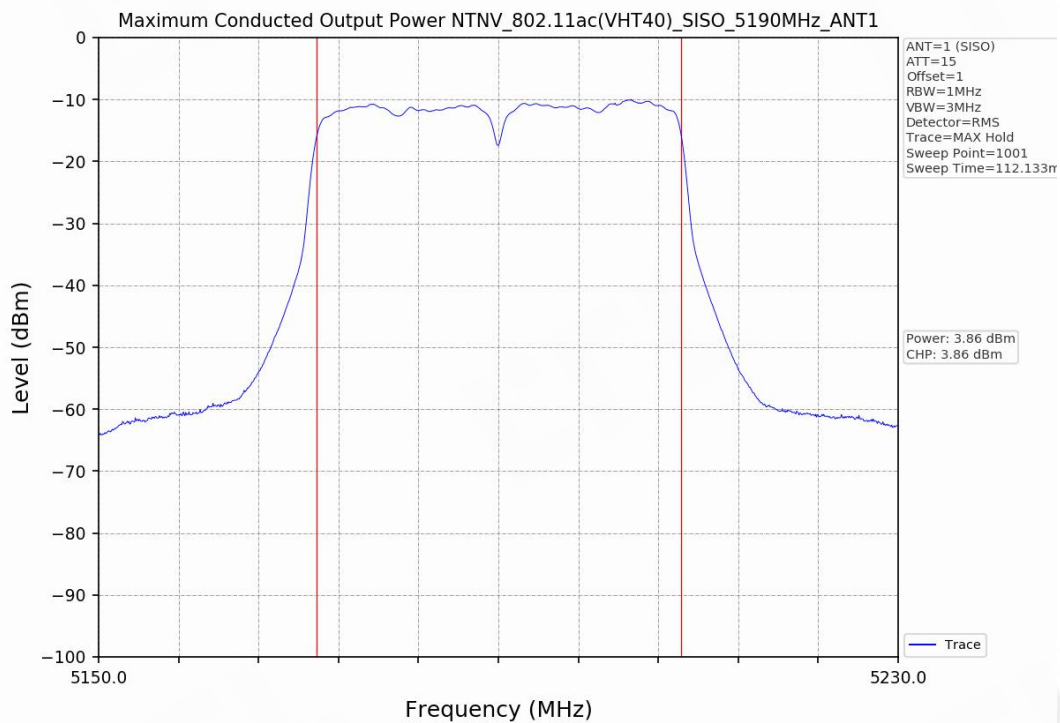


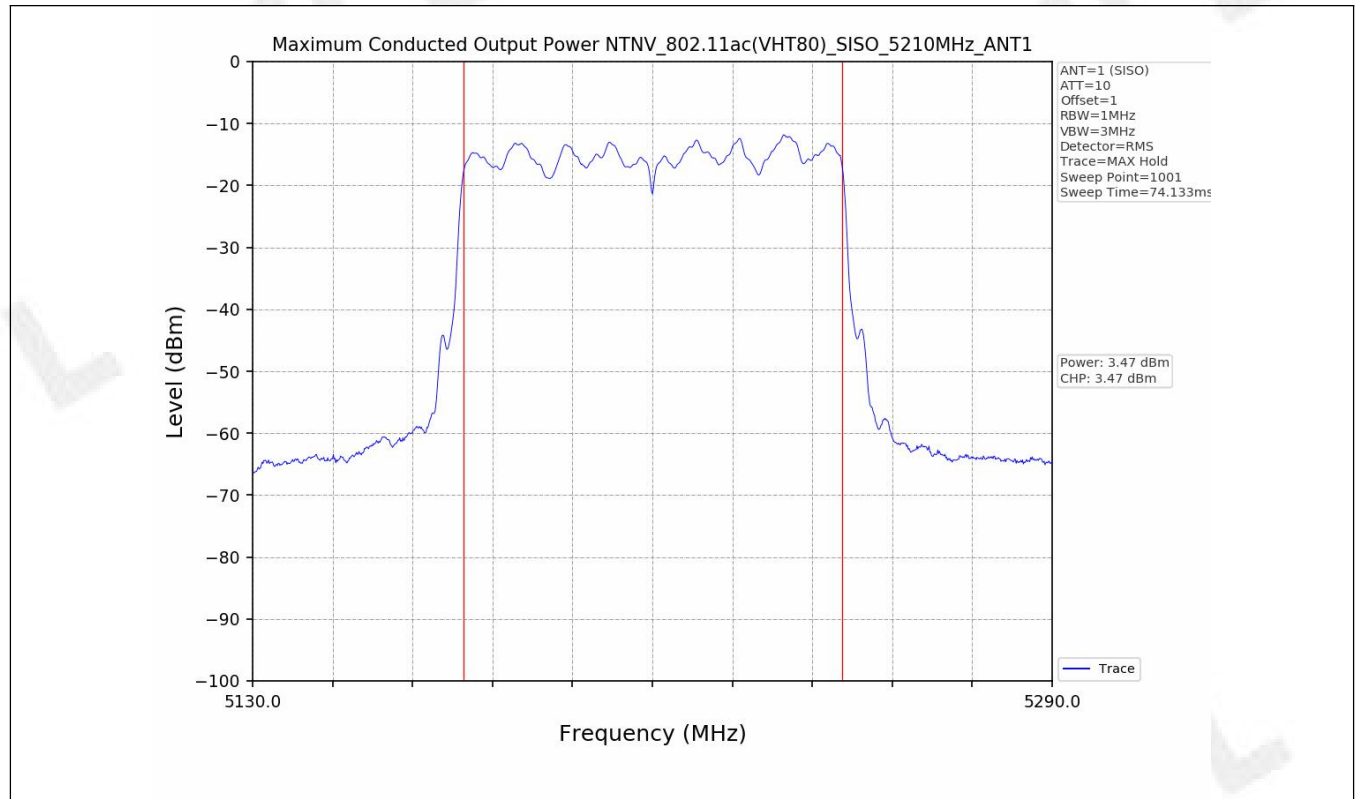










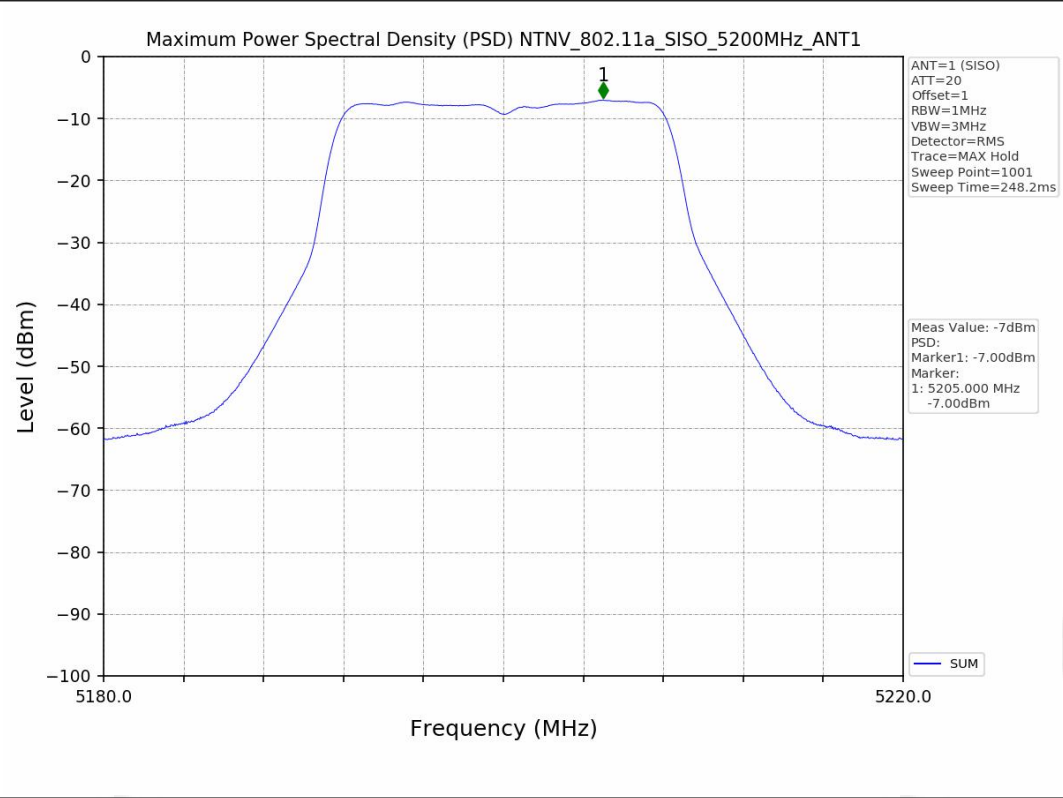
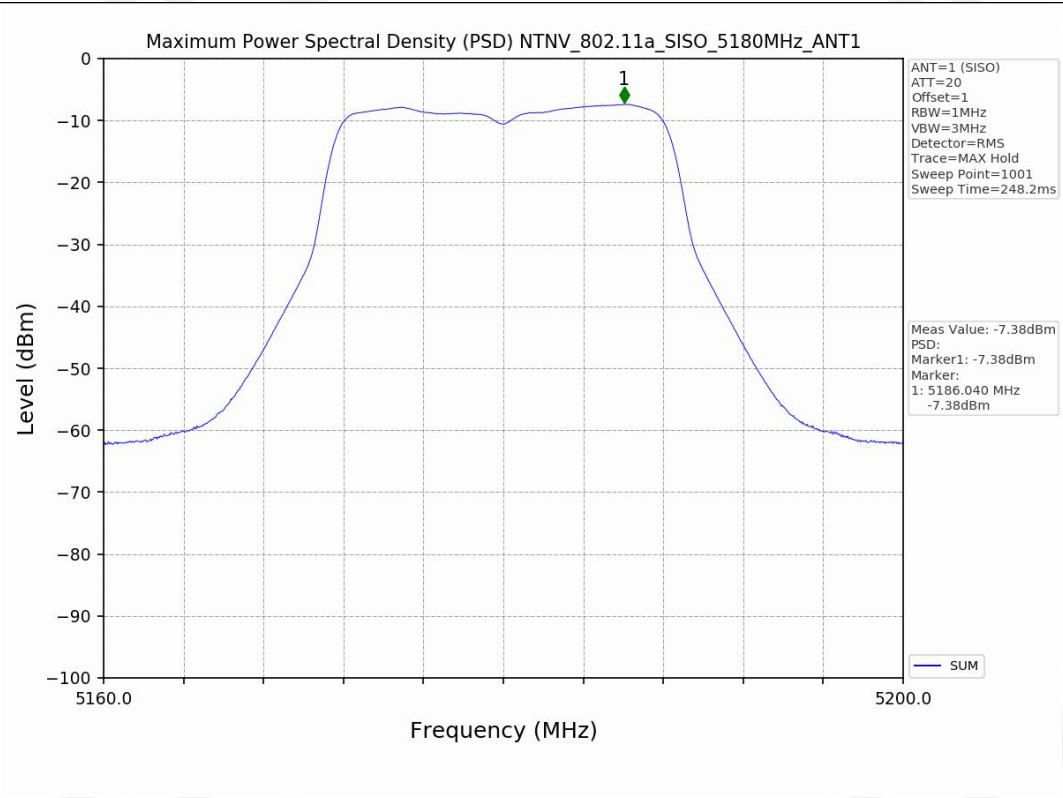


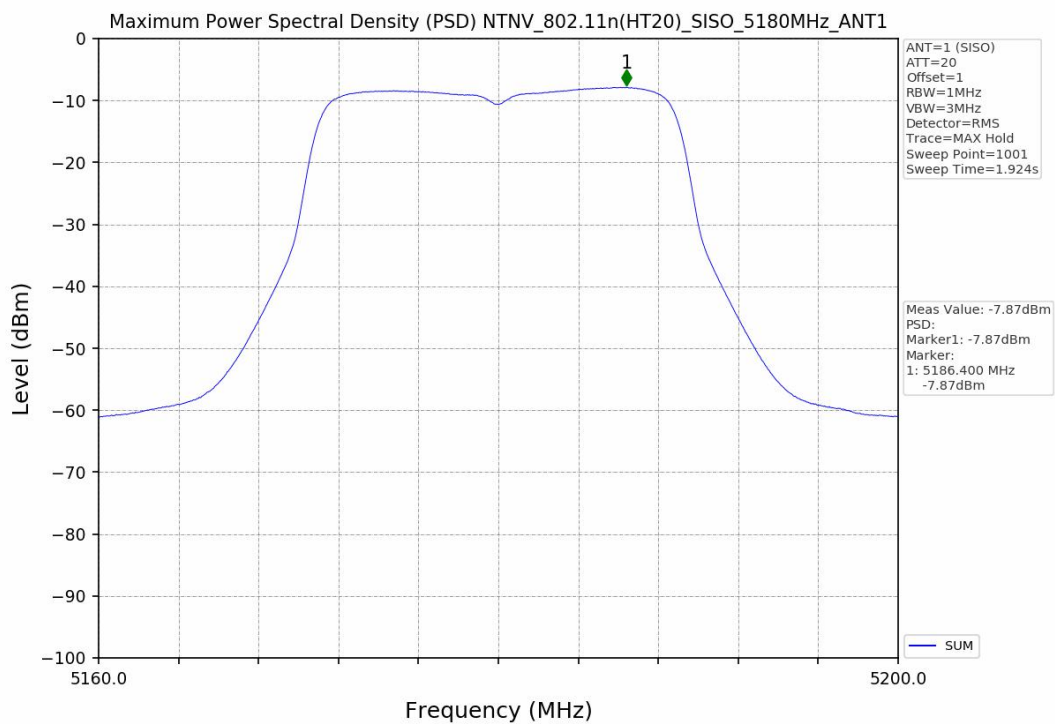
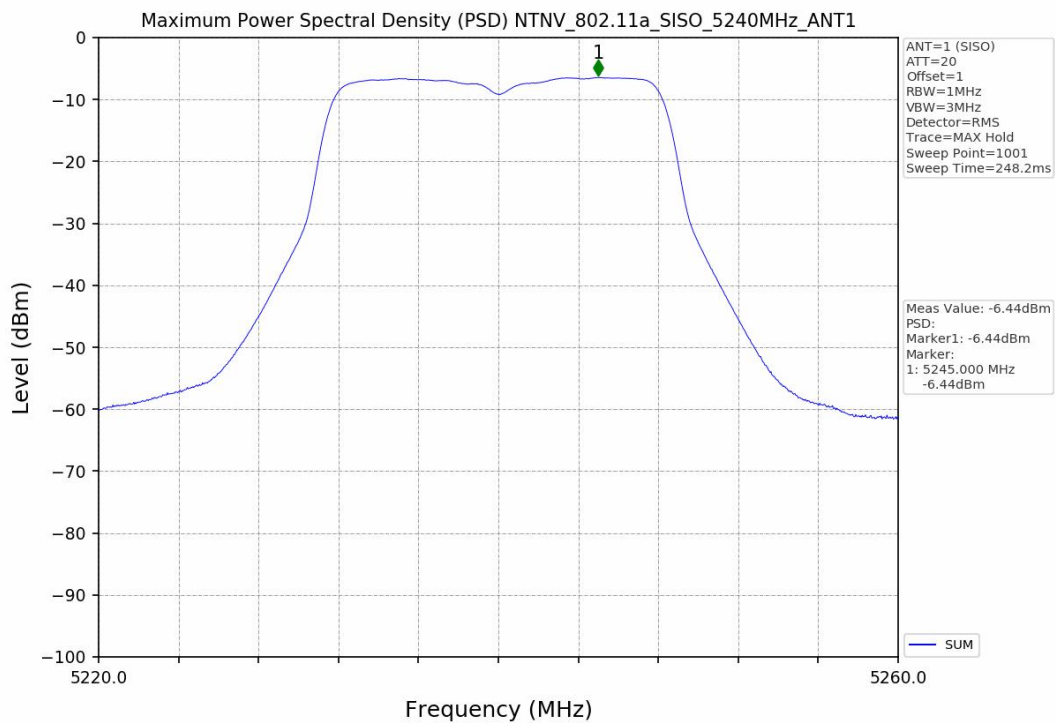
3. Maximum Power Spectral Density (PSD)

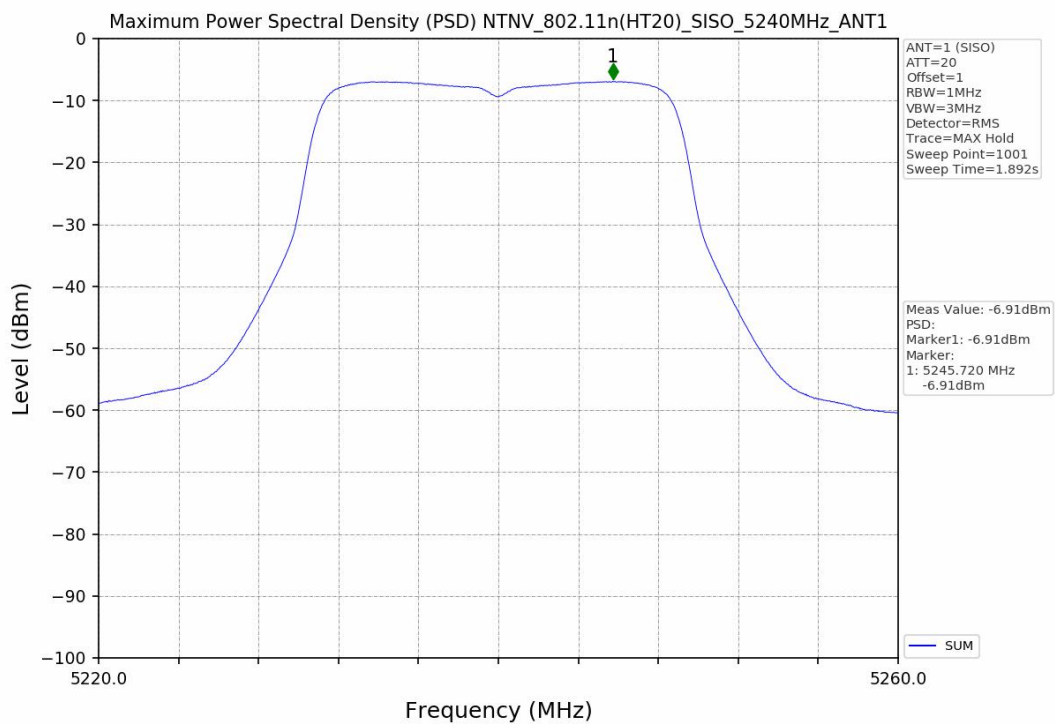
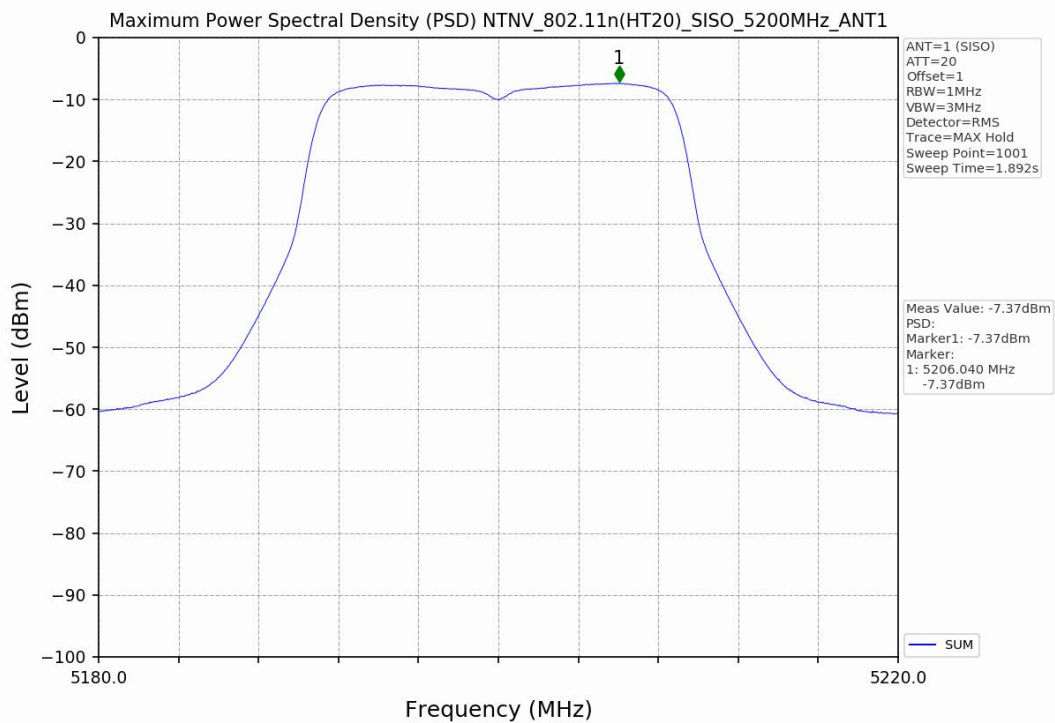
3.1 Test Result

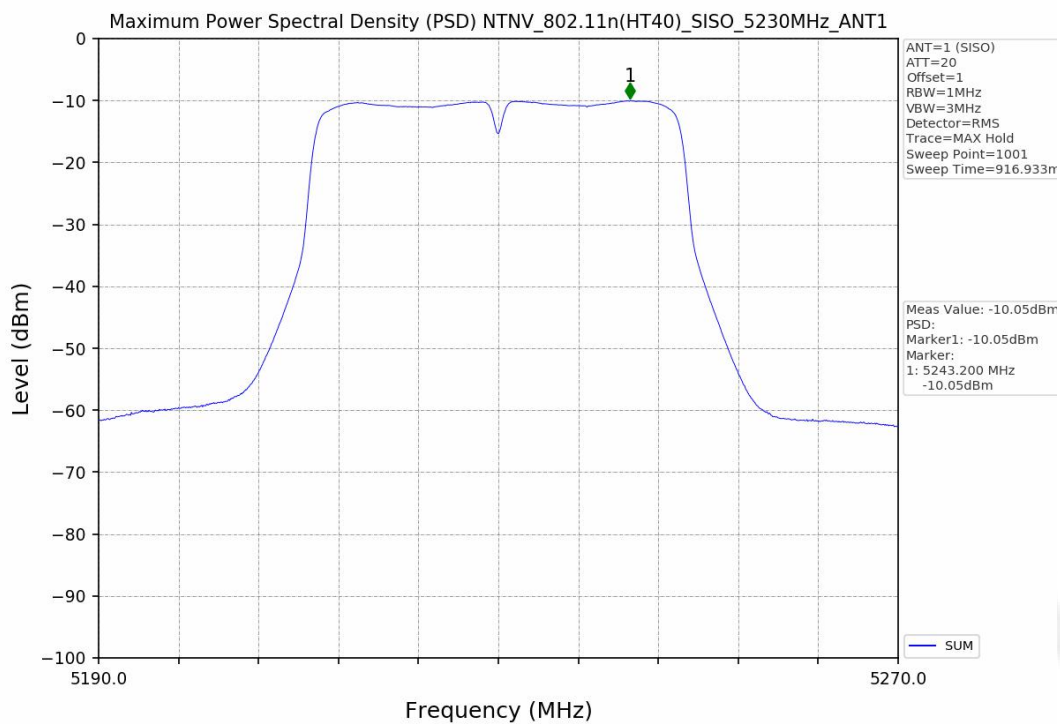
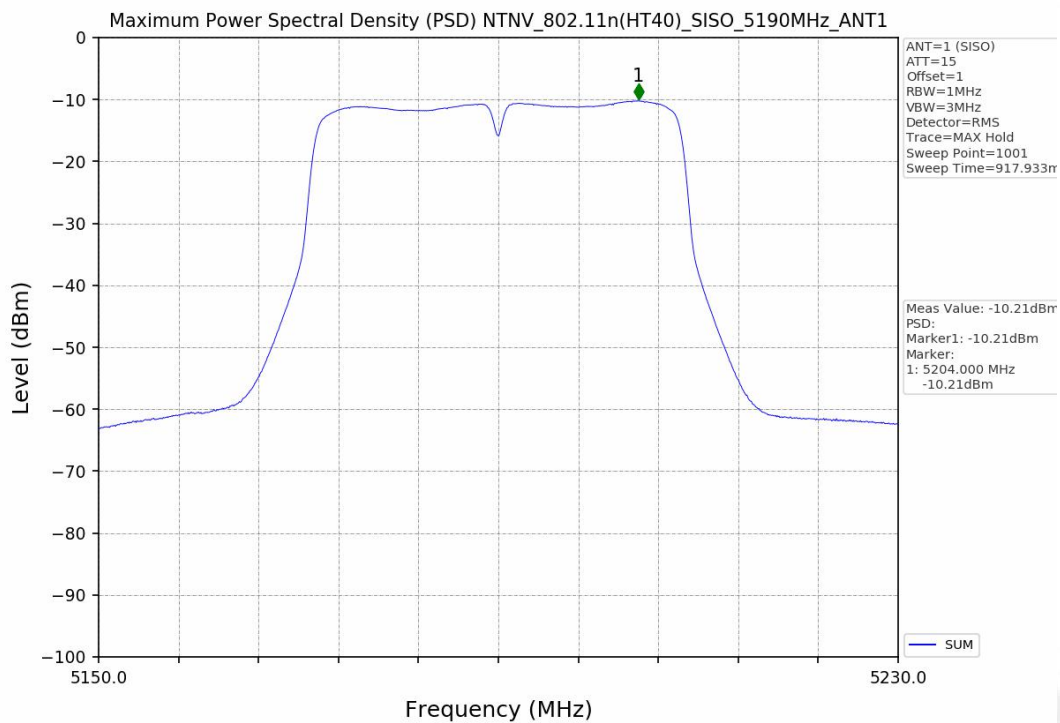
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/MHz)	Limits (dBm/MHz)	Verdict
			Ant 1		
802.11a	5180	SISO	-7.38	≤ 11	PASS
	5200	SISO	-7.00	≤ 11	PASS
	5240	SISO	-6.44	≤ 11	PASS
802.11n(HT20)	5180	SISO	-7.87	≤ 11	PASS
	5200	SISO	-7.37	≤ 11	PASS
	5240	SISO	-6.91	≤ 11	PASS
802.11n(HT40)	5190	SISO	-10.21	≤ 11	PASS
	5230	SISO	-10.05	≤ 11	PASS
802.11ac(VHT20)	5180	SISO	-7.70	≤ 11	PASS
	5200	SISO	-7.27	≤ 11	PASS
	5240	SISO	-6.24	≤ 11	PASS
802.11ac(VHT40)	5190	SISO	-10.07	≤ 11	PASS
	5230	SISO	-9.52	≤ 11	PASS
802.11ac(VHT80)	5210	SISO	-11.90	≤ 11	PASS

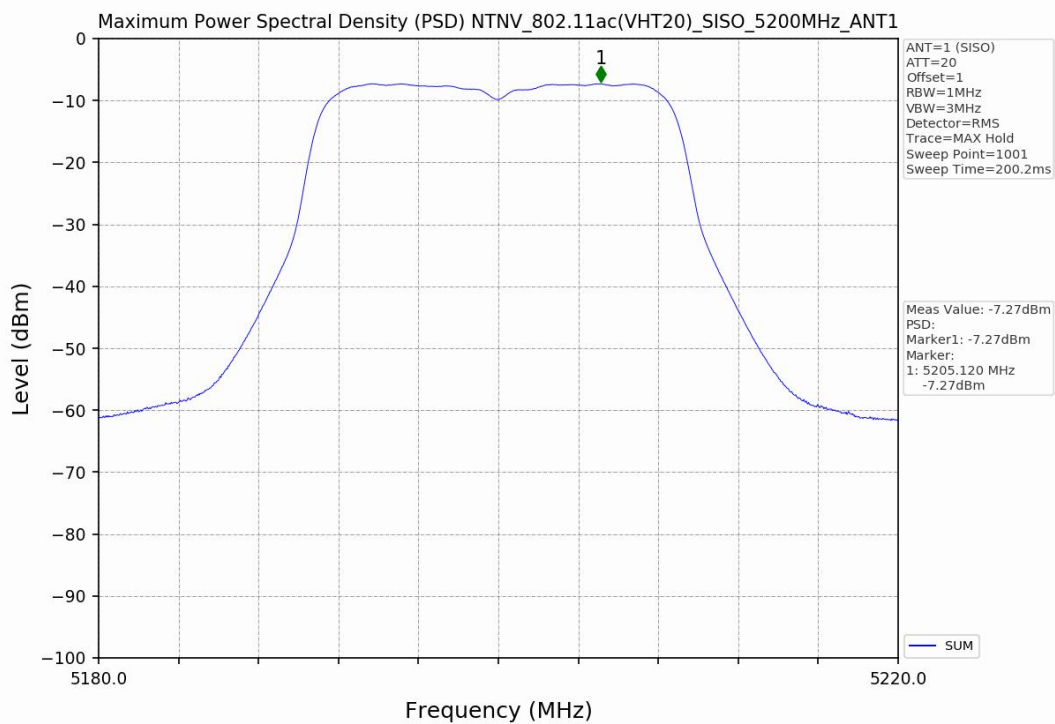
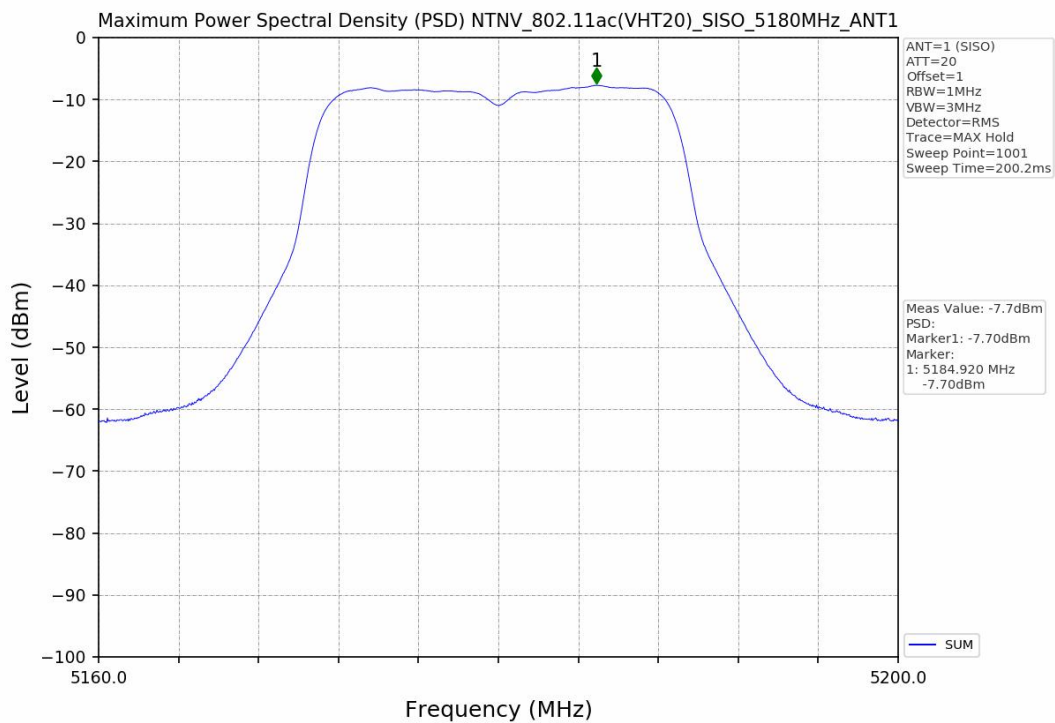
3.2 Test Graph

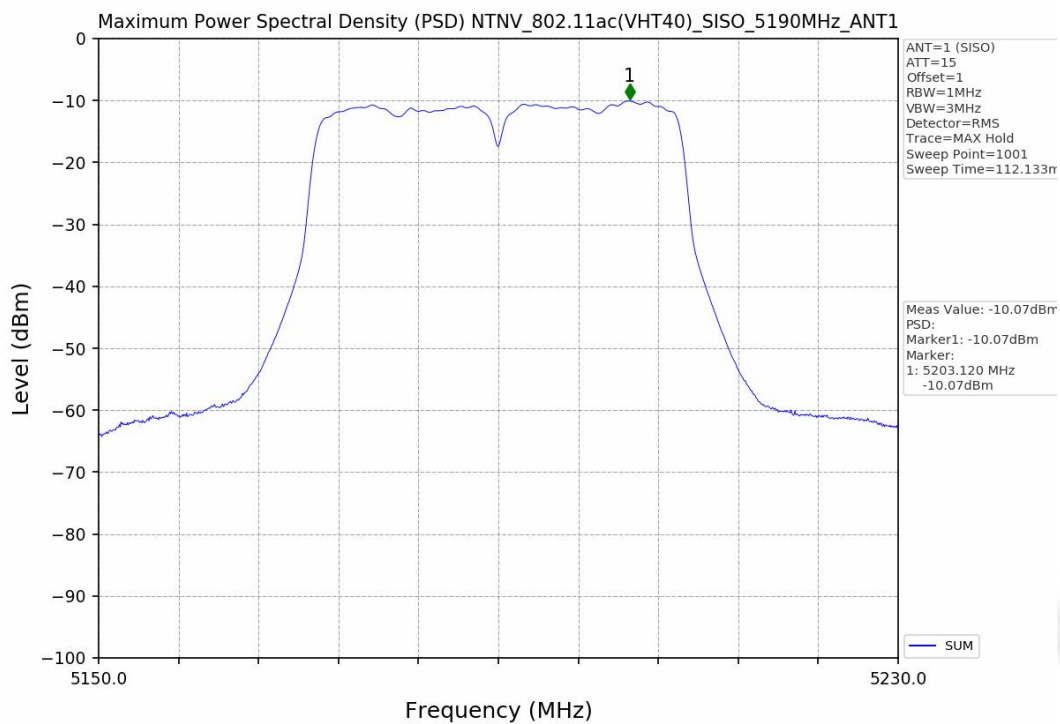
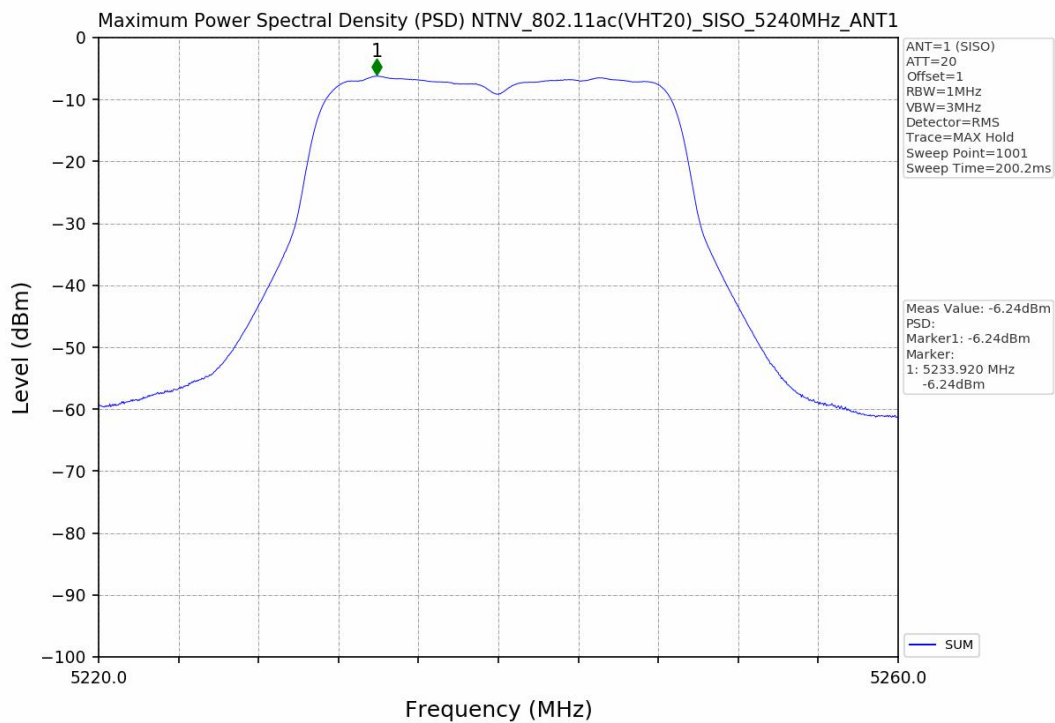


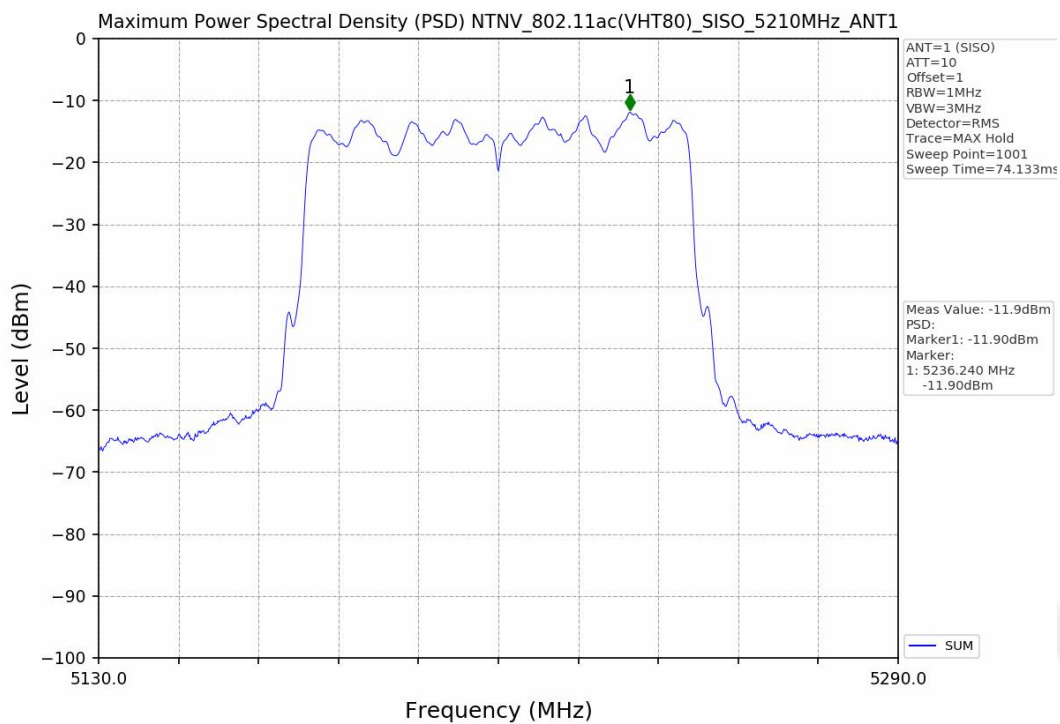
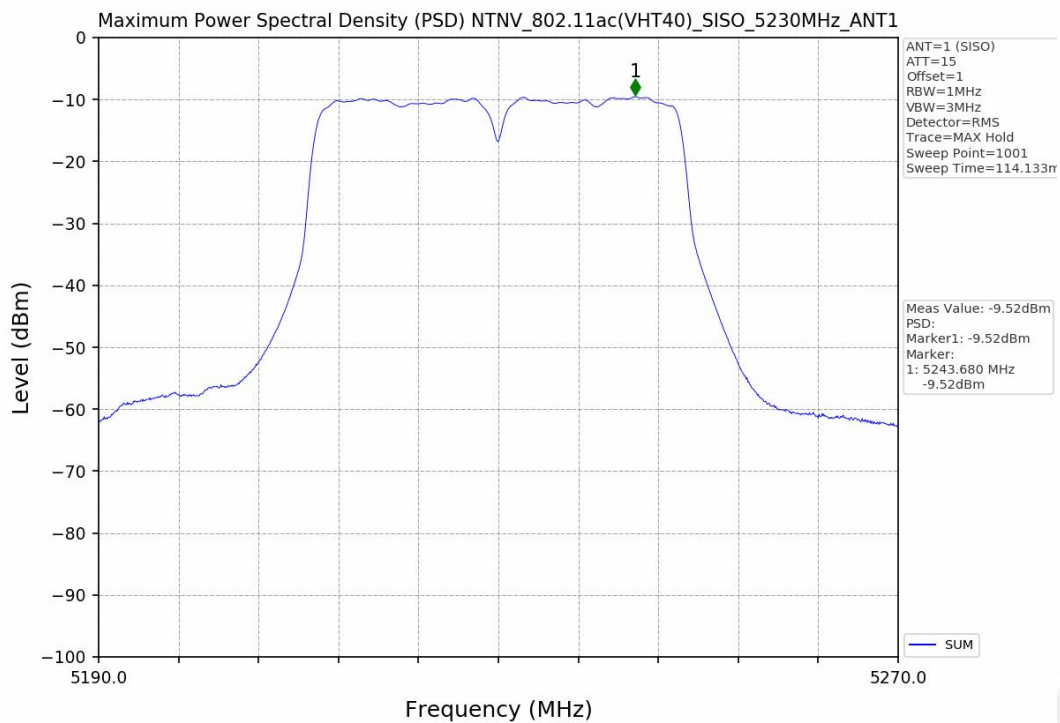












4. Frequency Stability

4.1 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	0	<=20	PASS
		5240	1	0	<=20	PASS
	802.11n	5190	1	0	<=20	PASS
		5230	1	0	<=20	PASS
	802.11ac	5210	1	61.42	<=20	PASS