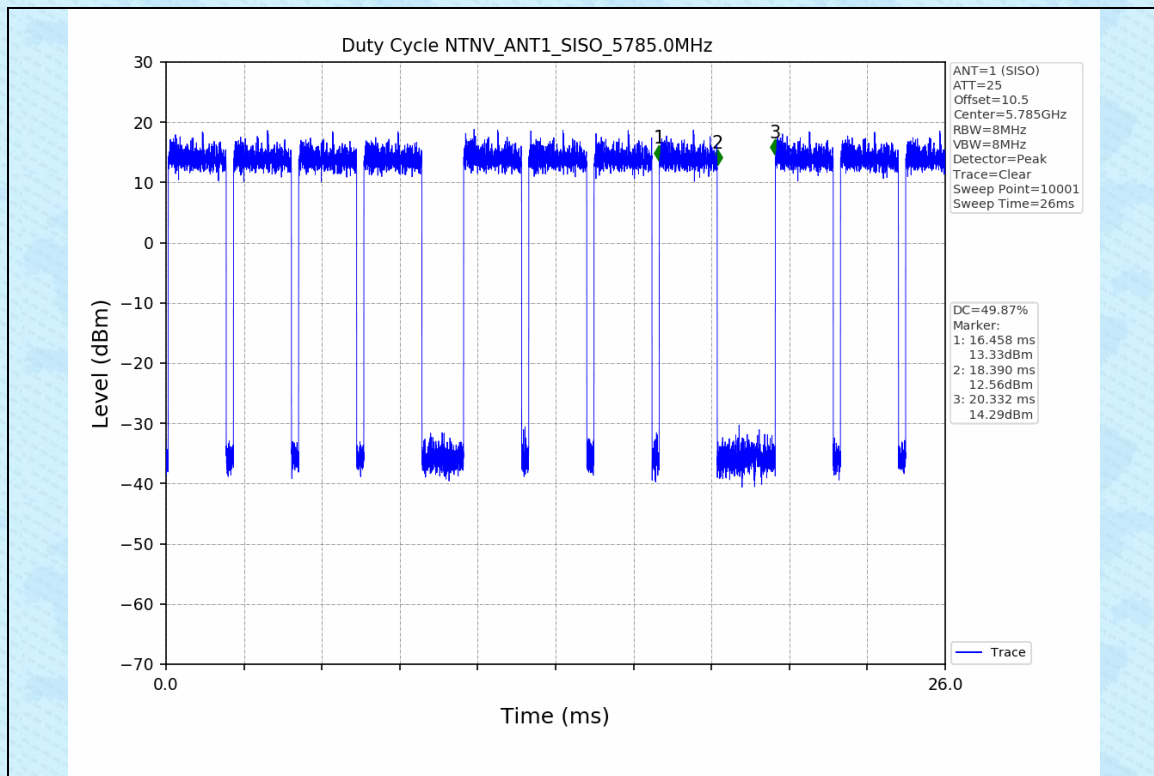
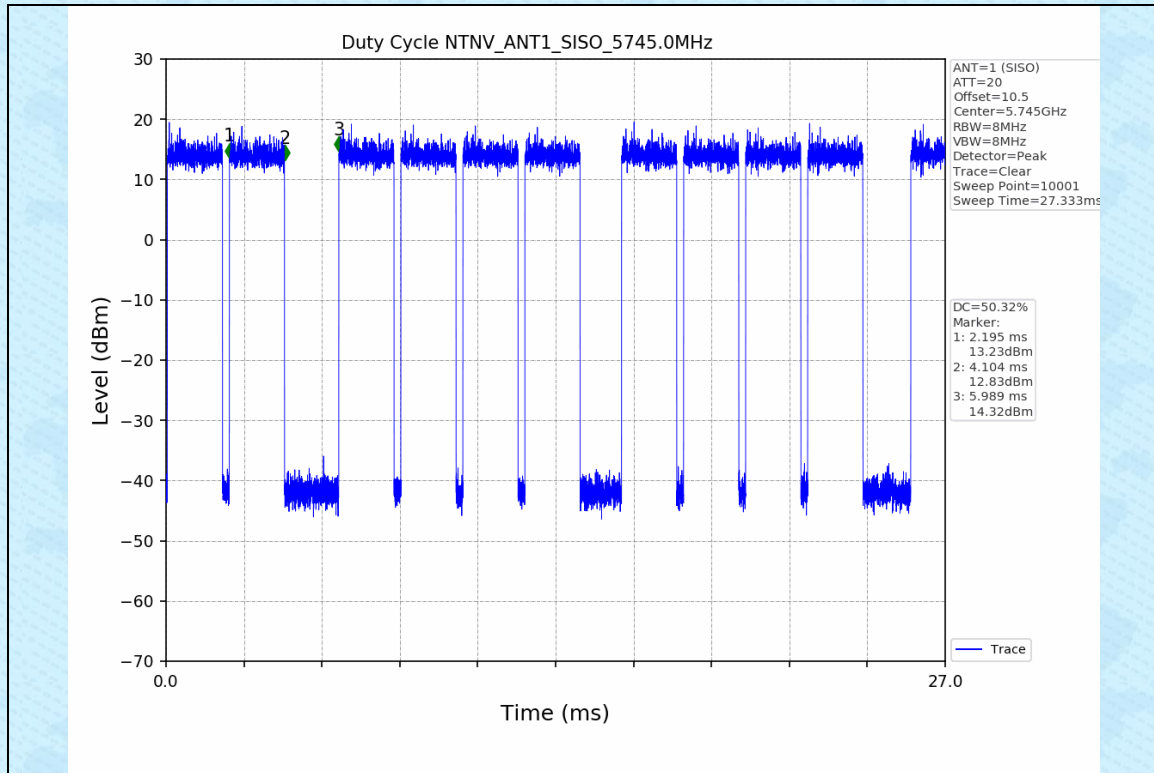
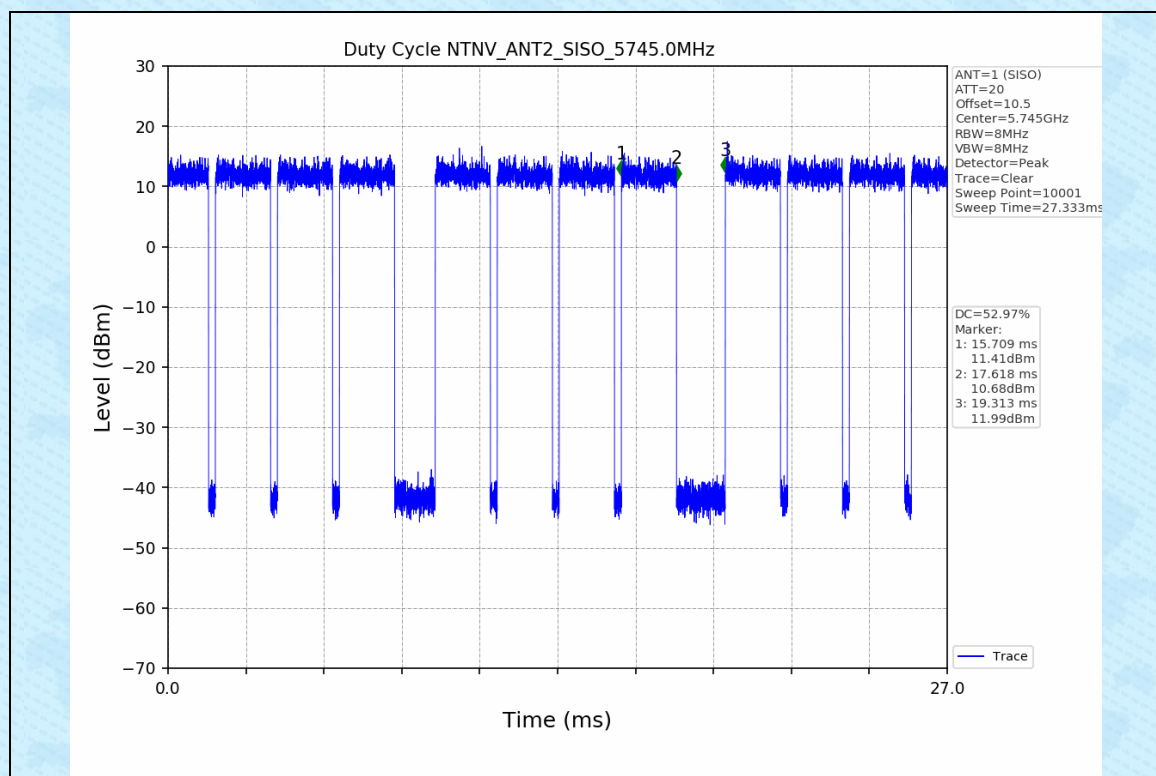
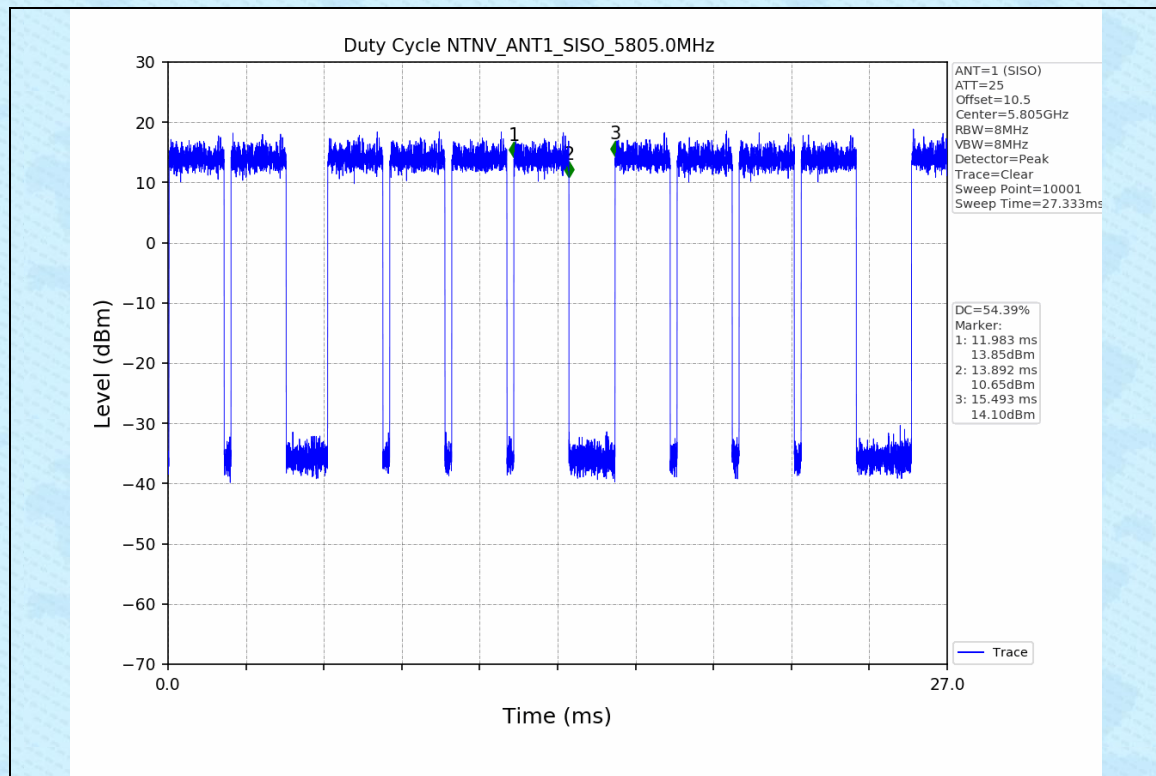


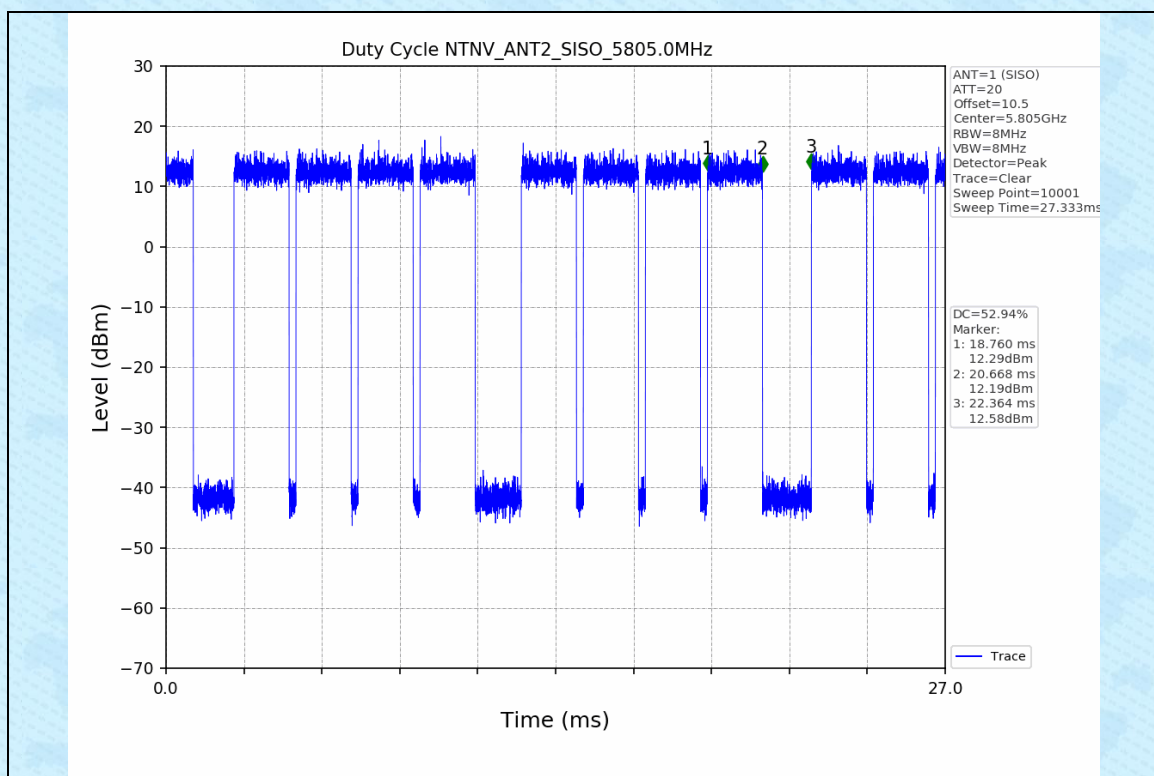
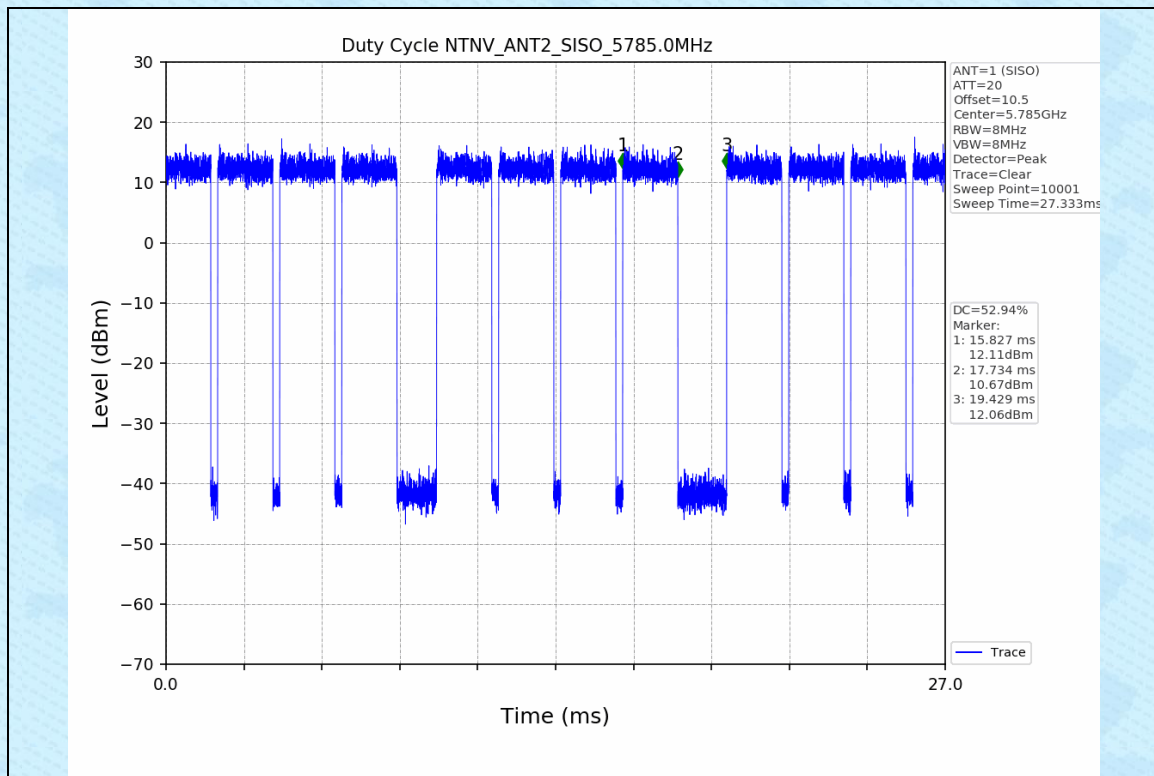
Appendix for 15.407**1. Duty Cycle****1.1 Test Result**

Test Mode	Channel Frequency (MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11ac(VHT20)	5745.0	SISO	1	1.909	3.794	50.32	2.98
	5785.0	SISO	1	1.932	3.874	49.87	3.02
	5805.0	SISO	1	1.909	3.510	54.39	2.64
	5745.0	SISO	2	1.909	3.604	52.97	2.76
	5785.0	SISO	2	1.907	3.602	52.94	2.76
	5805.0	SISO	2	1.908	3.604	52.94	2.76

1.2 Test Graph







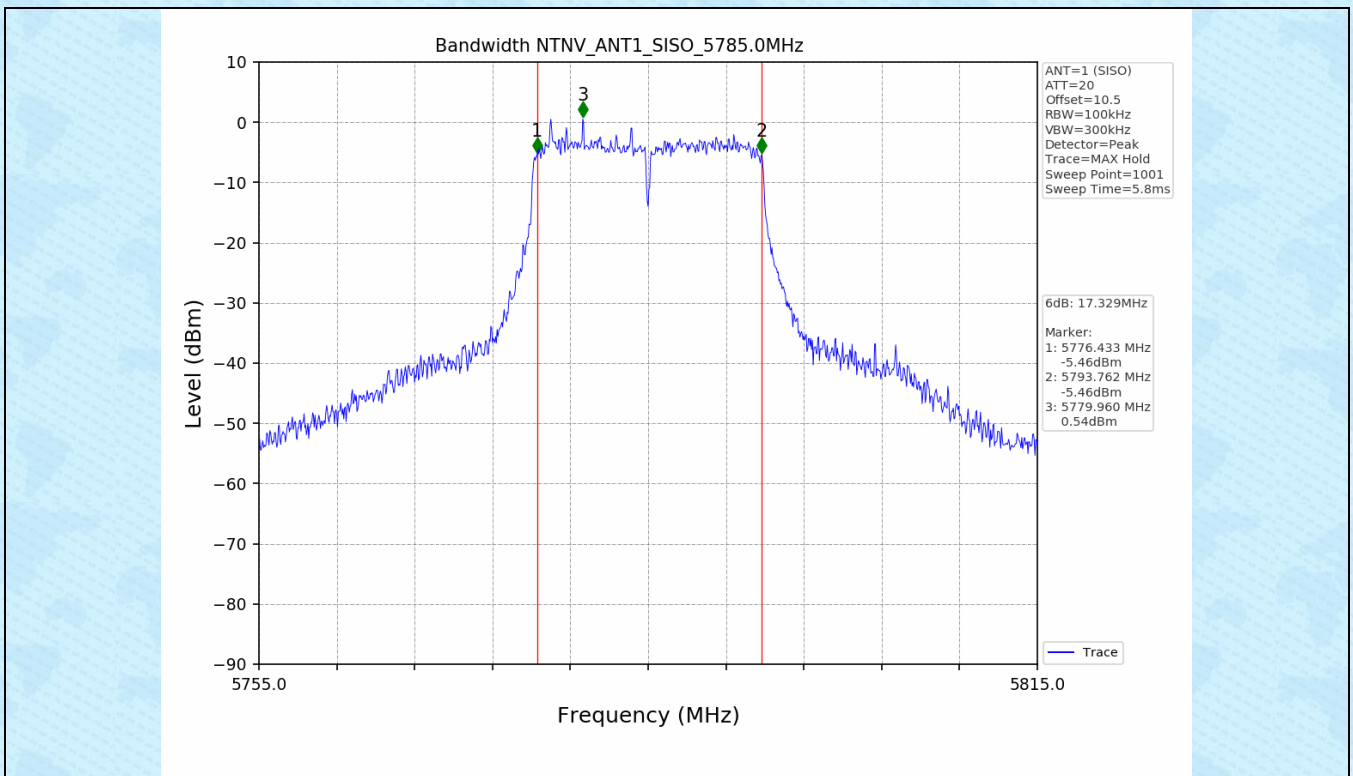
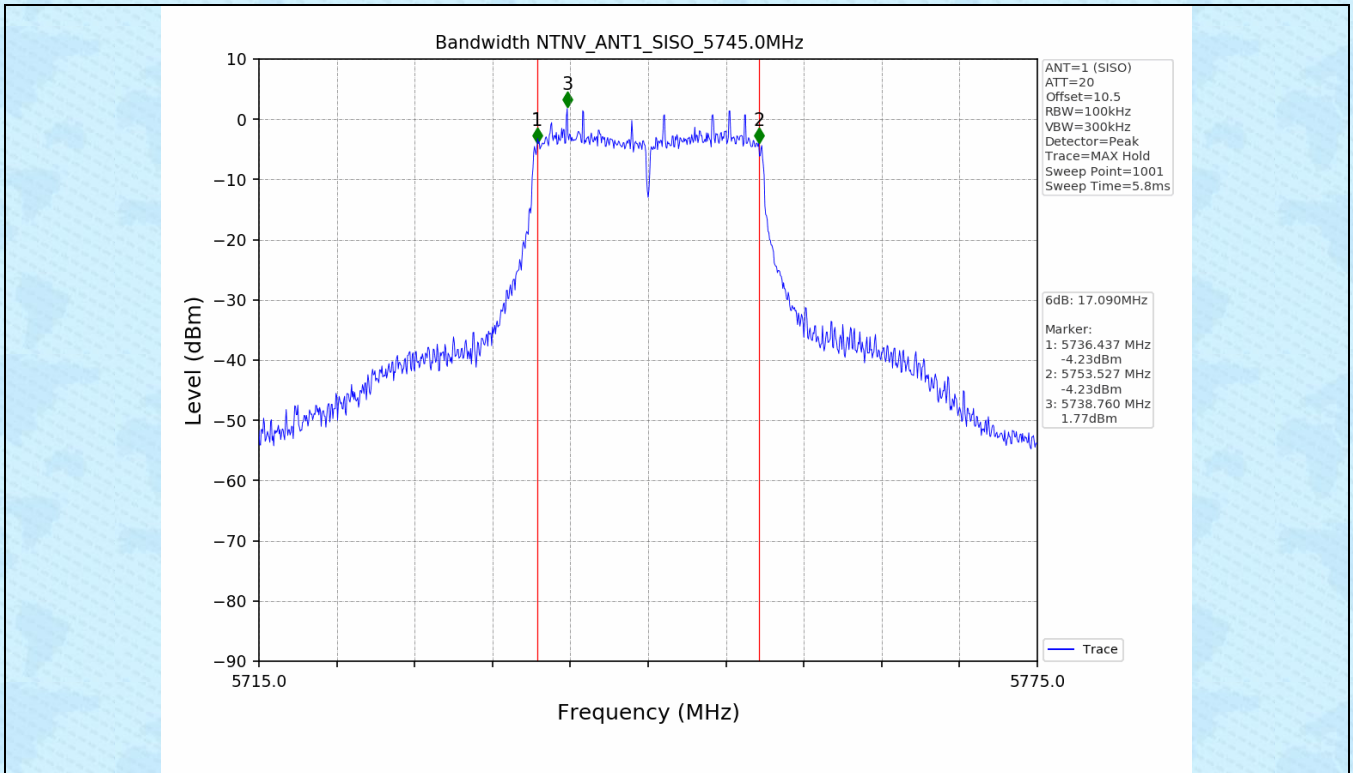
2. Bandwidth

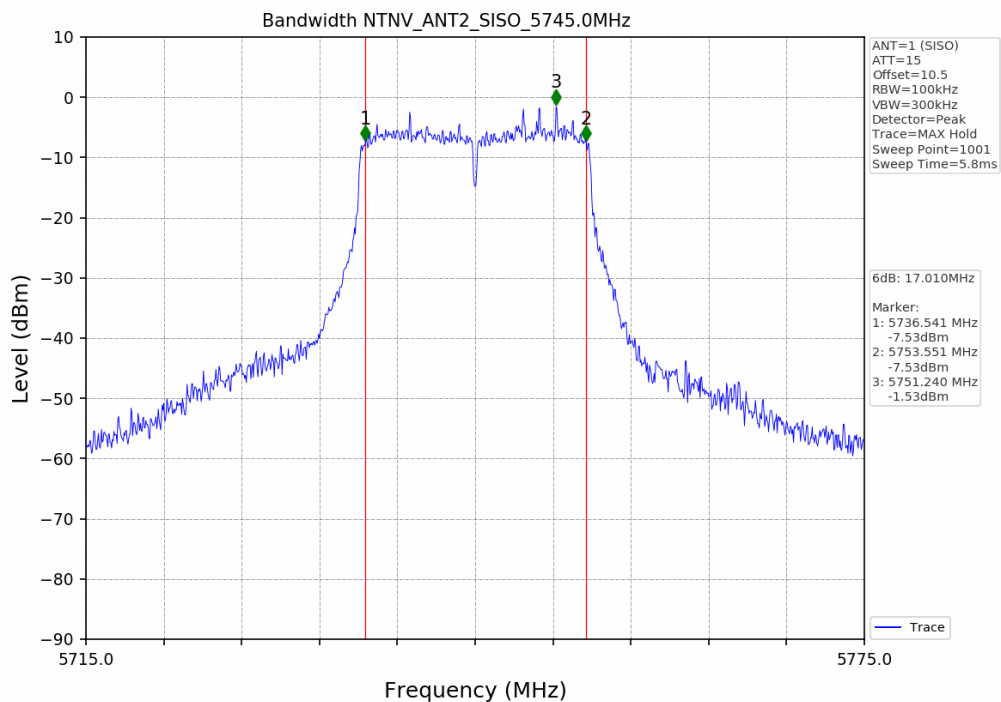
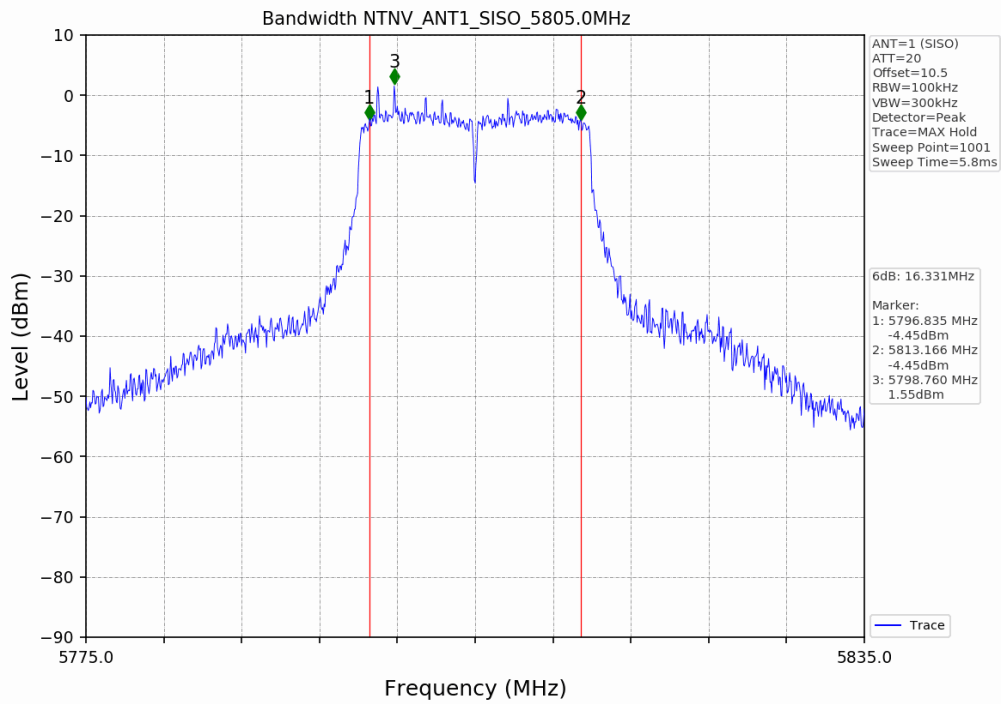
2.1 Test Result

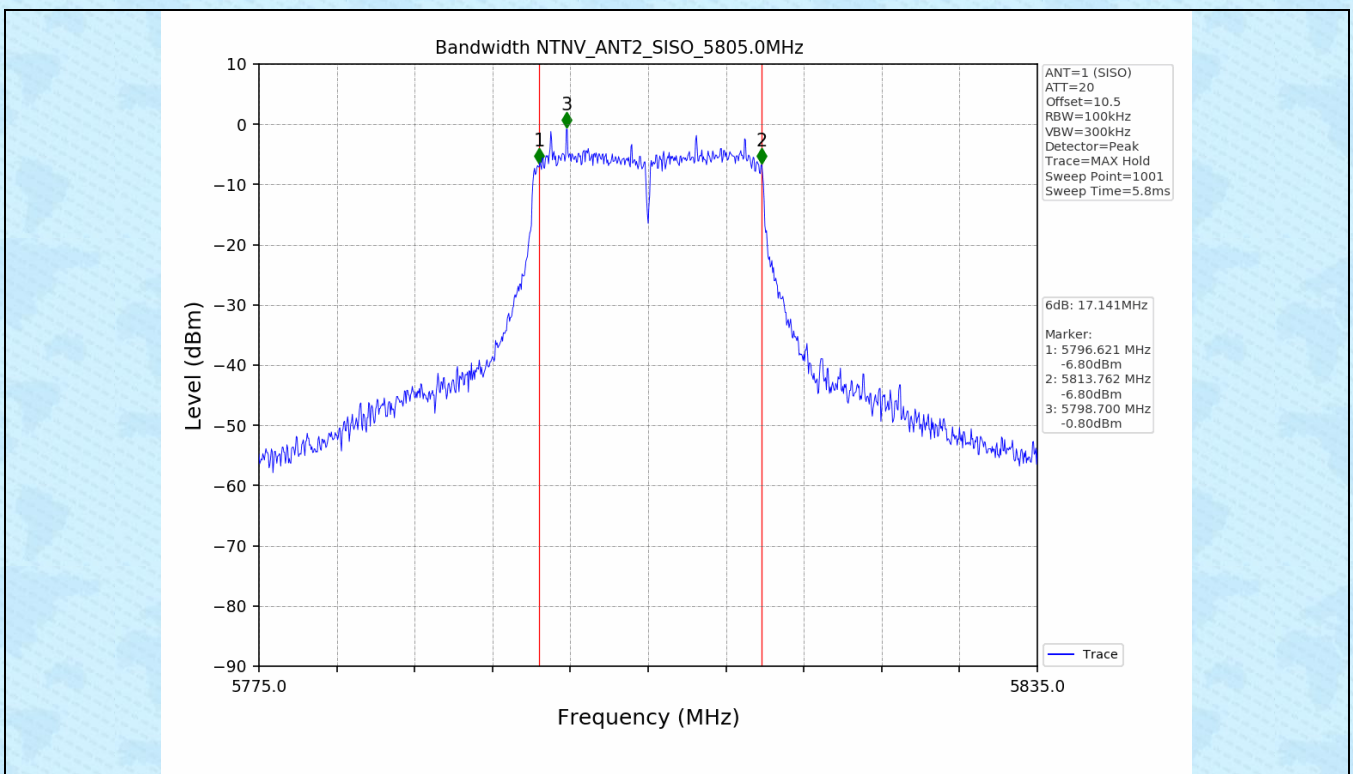
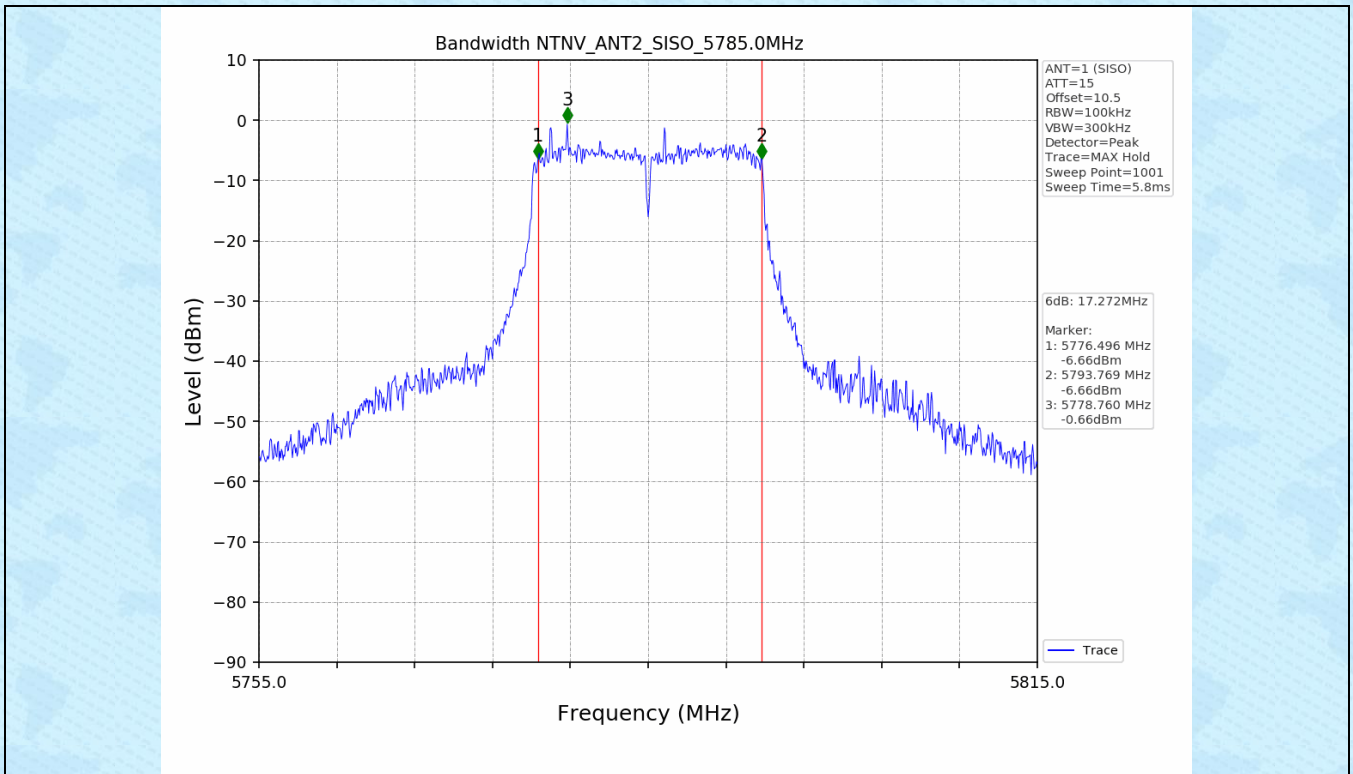
Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11ac(VHT20)	5745.0	SISO	1	17.090	≥0.5	PASS
	5785.0	SISO	1	17.329	≥0.5	PASS
	5805.0	SISO	1	16.331	≥0.5	PASS
	5745.0	SISO	2	17.010	≥0.5	PASS
	5785.0	SISO	2	17.272	≥0.5	PASS
	5805.0	SISO	2	17.141	≥0.5	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11ac(VHT20)	5745.0	SISO	1	18.363	Only for Report Use
	5785.0	SISO	1	18.378	Only for Report Use
	5805.0	SISO	1	18.334	Only for Report Use
	5745.0	SISO	2	18.207	Only for Report Use
	5785.0	SISO	2	18.331	Only for Report Use
	5805.0	SISO	2	18.300	Only for Report Use

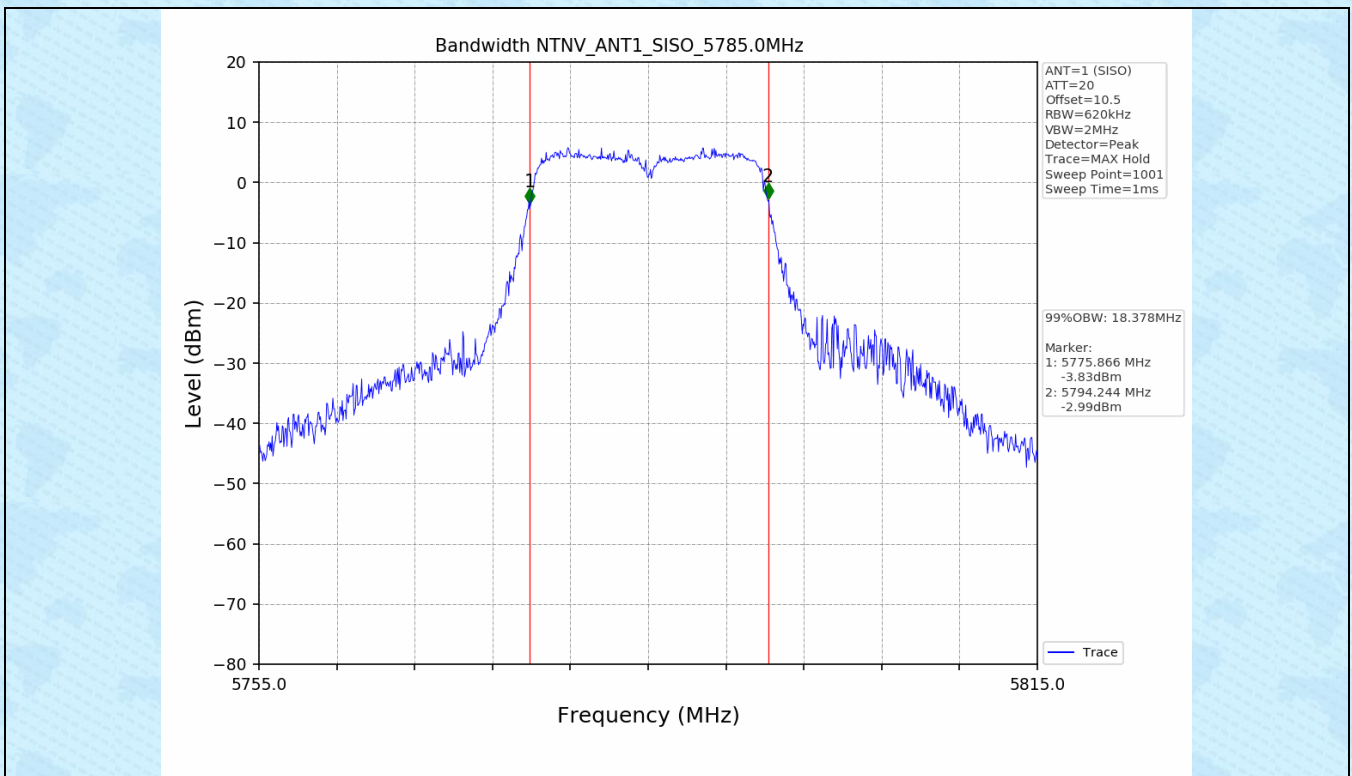
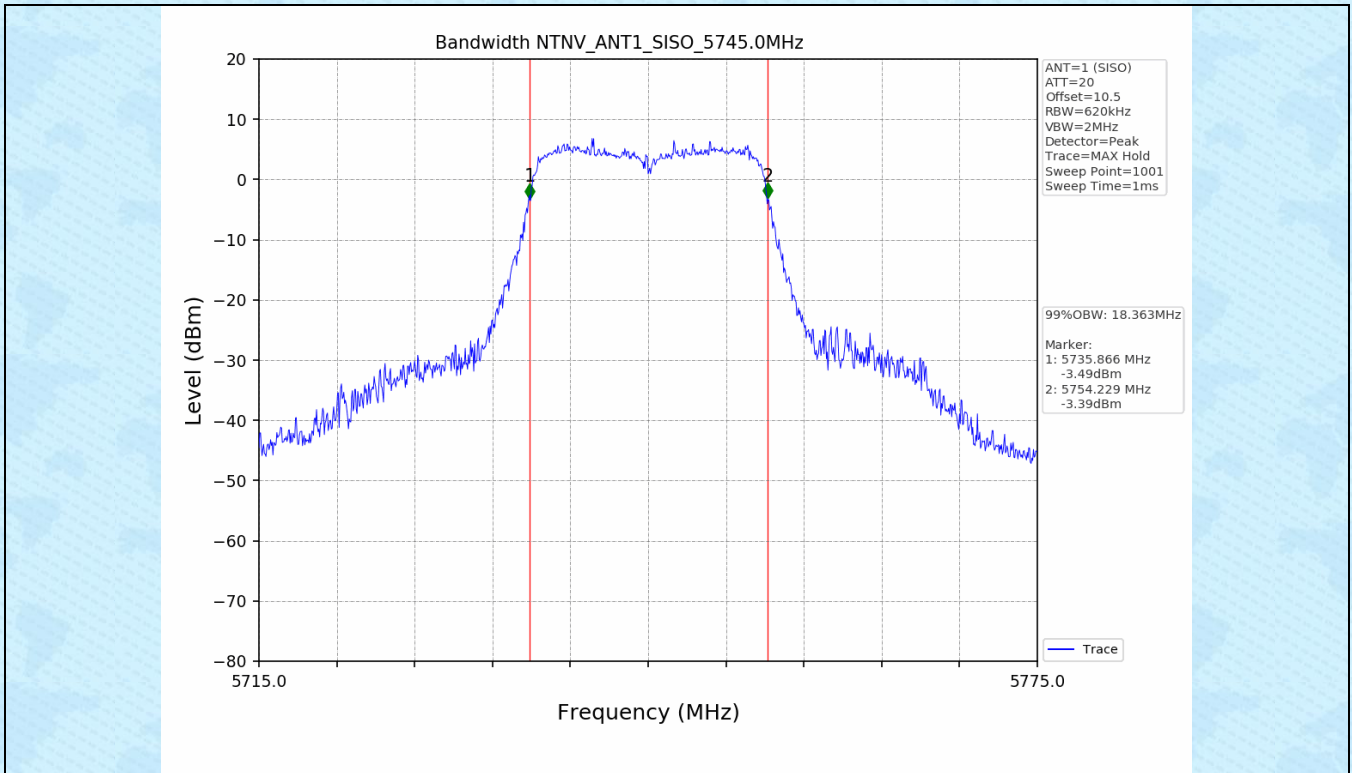
2.2 Test Graph - Emission Bandwidth

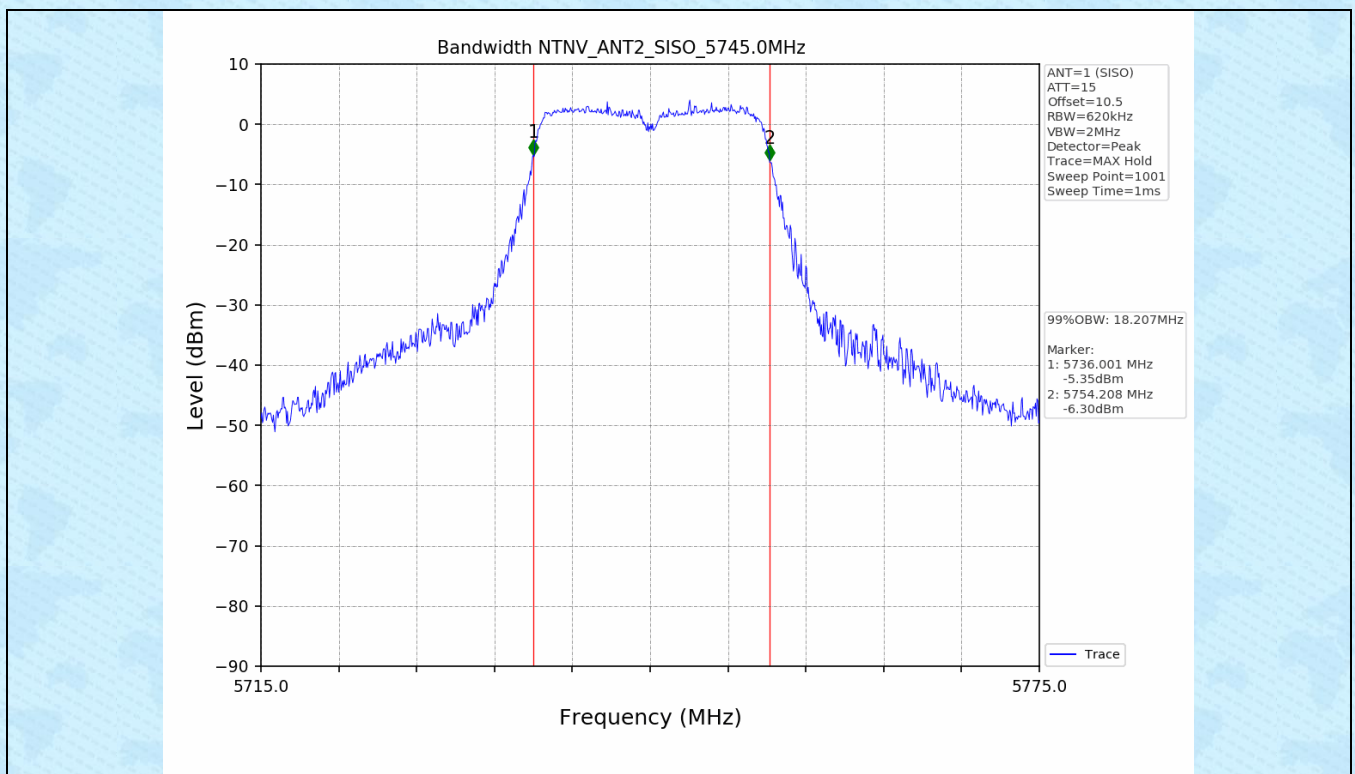
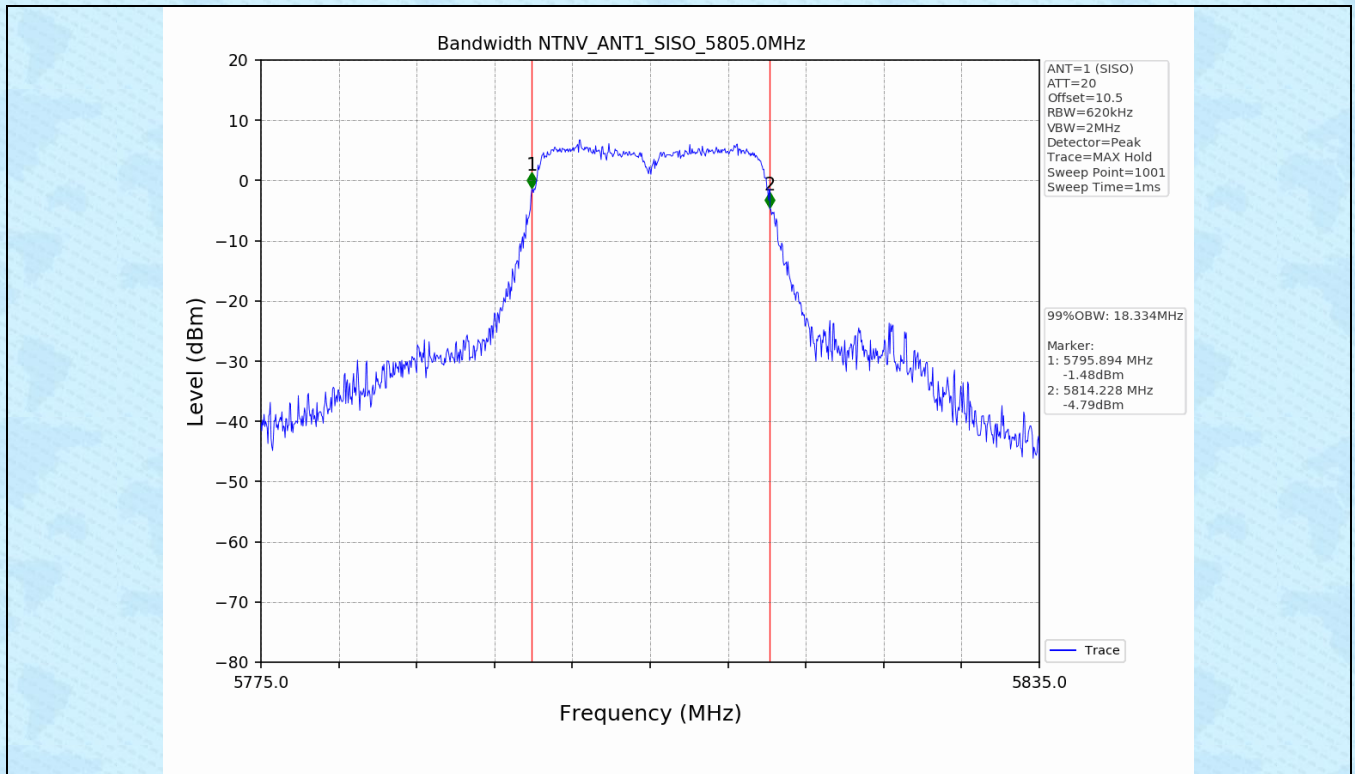


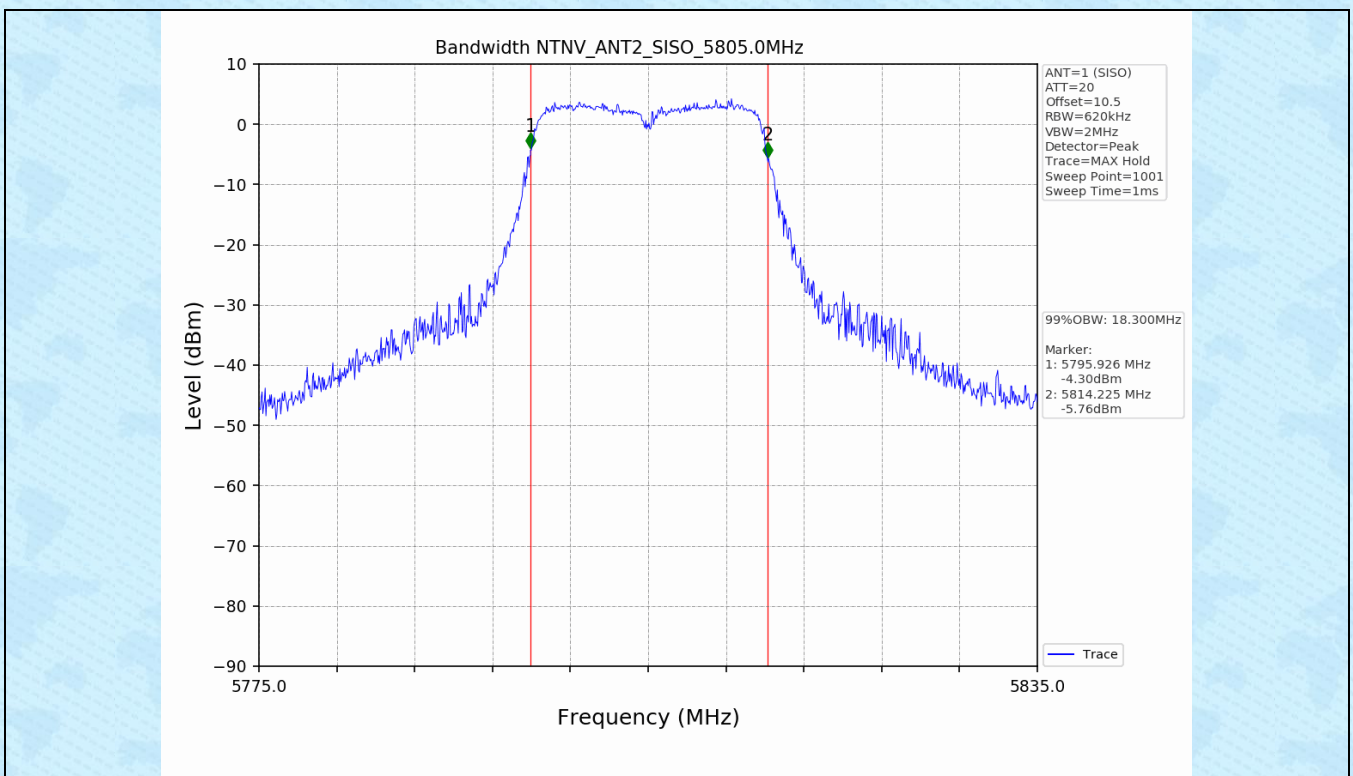
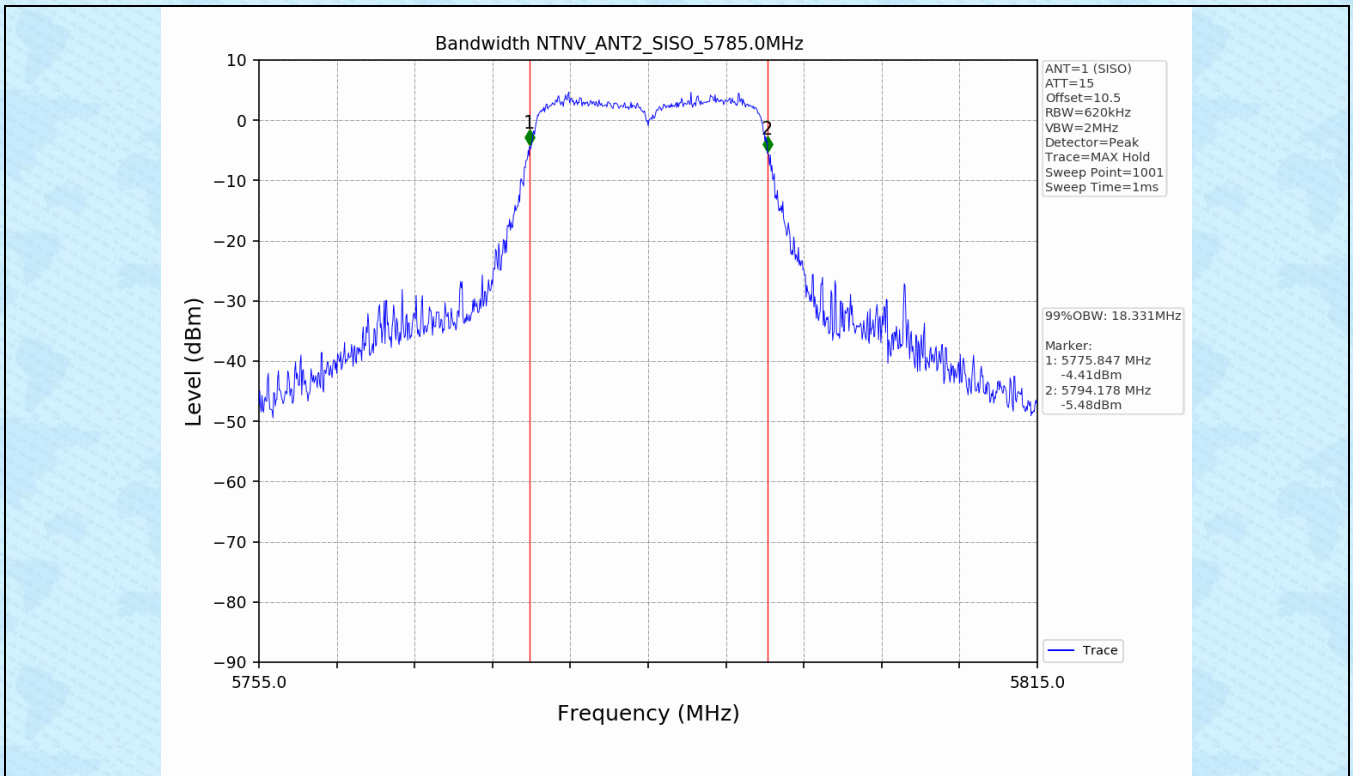




2.3 Test Graph - 99% Occupied Bandwidth







3. Maximum Conducted Output Power

3.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Output Power (dBm)	Duty Factor	Output Power (dBm)	Limit (dBm)	Verdict
			Ant 1				
802.11ac(VHT20)	5745	SISO	9.84	2.98	12.82	≤30.00	PASS
	5785	SISO	8.90	3.02	11.92	≤30.00	PASS
	5805	SISO	10.00	2.64	12.64	≤30.00	PASS

Test Mode	Frequency (MHz)	Tx Type	Measured Output Power (dBm)	Duty Factor	Output Power (dBm)	Limit (dBm)	Verdict
			Ant 2				
802.11ac(VHT20)	5745	SISO	7.07	2.76	9.83	≤30.00	PASS
	5785	SISO	7.98	2.76	10.74	≤30.00	PASS
	5805	SISO	7.58	2.76	10.34	≤30.00	PASS

Test Mode	Frequency (MHz)	Tx Type	Measured Output Power (dBm)	Limit (dBm)	Verdict
802.11ac(VHT20)	5745	MIMO	14.59	≤29.68	PASS
	5785	MIMO	14.38	≤29.68	PASS
	5805	MIMO	14.65	≤29.68	PASS

4. Maximum Power Spectral Density (PSD)

4.1 Test Result

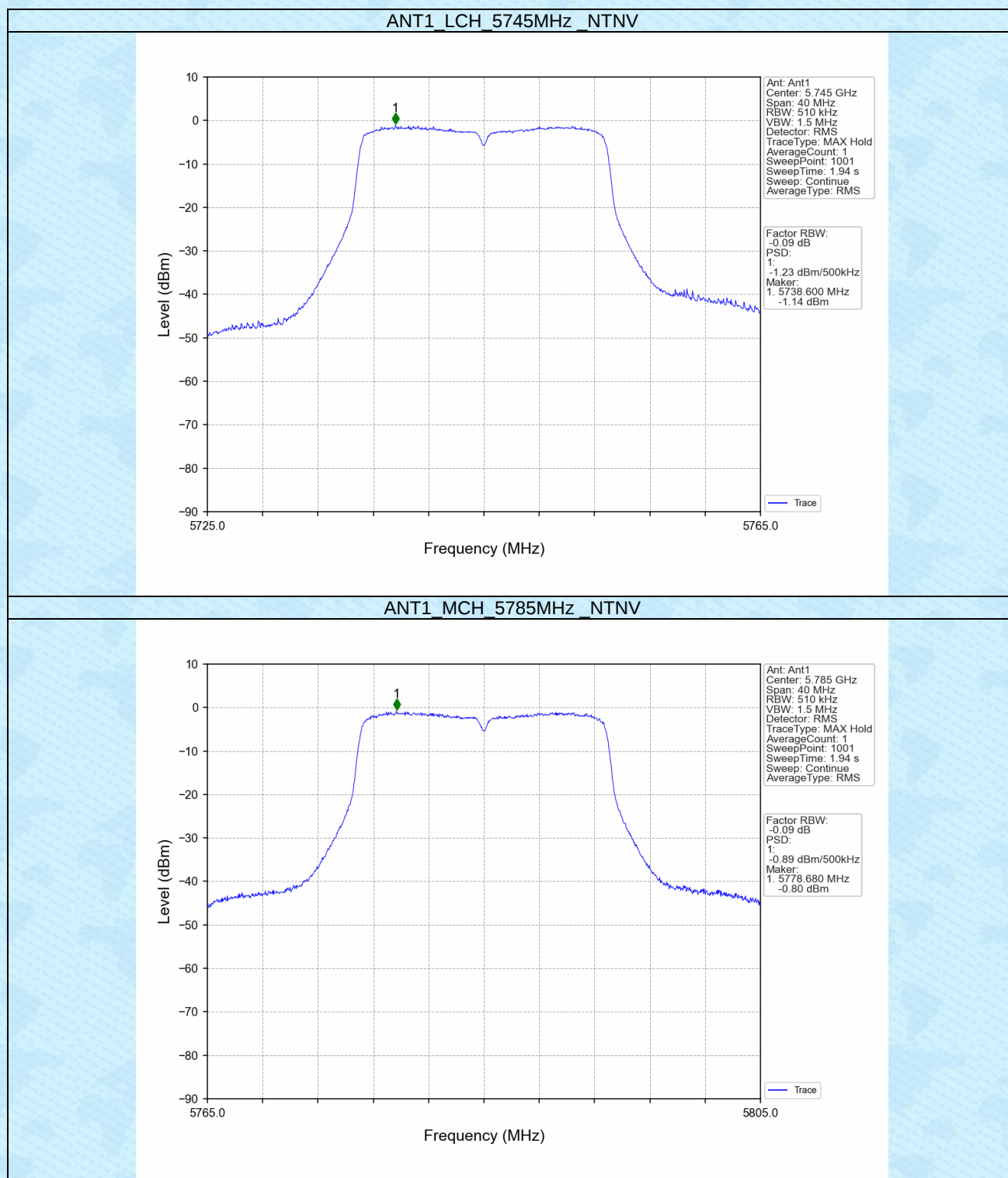
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/MHz)	Duty Factor	Total Power Spectral Density (dBm/MHz)	Limits (dBm/MHz)	Verdict
			Ant 1				
802.11ac(VHT20)	5745	SISO	-4.21	2.98	-1.23	≤30.00	PASS
	5785	SISO	-3.91	3.02	-0.89	≤30.00	PASS
	5805	SISO	-3.85	2.64	-1.21	≤30.00	PASS

Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/MHz)	Duty Factor	Total Power Spectral Density (dBm/MHz)	Limits (dBm/MHz)	Verdict
			Ant 2				
802.11ac(VHT20)	5745	SISO	-5.92	2.76	-3.16	≤30.00	PASS
	5785	SISO	-6.21	2.76	-3.45	≤30.00	PASS
	5805	SISO	-6.13	2.76	-3.37	≤30.00	PASS

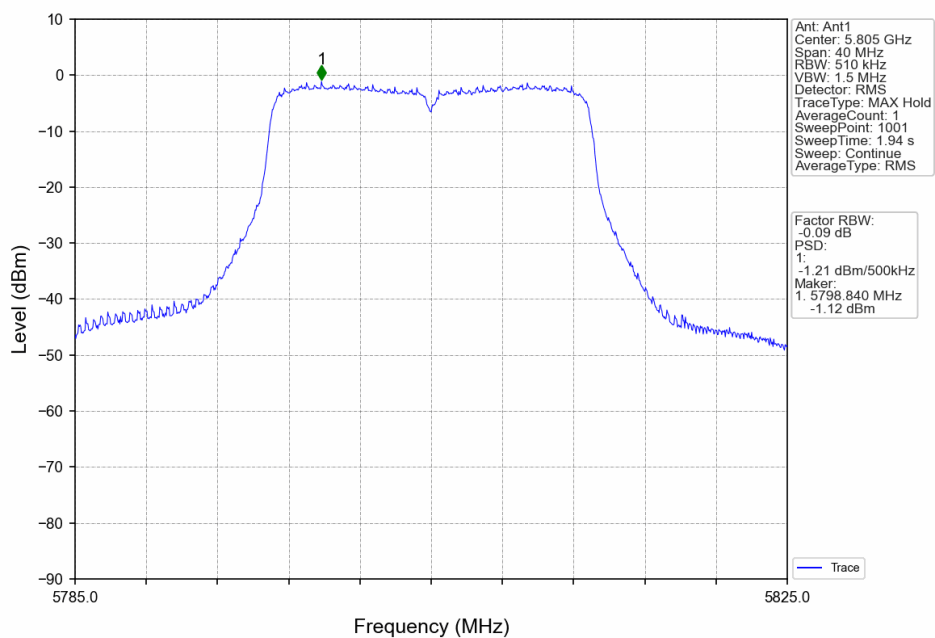
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/500kHz)	Limits (dBm/500kHz)	Verdict
802.11ac(VHT20)	5745	MIMO	0.92	≤29.68	PASS
	5785	MIMO	1.03	≤29.68	PASS
	5805	MIMO	0.85	≤29.68	PASS

Note: transmit signals are completely correlated,
Directional gain= $10 \times \log[(10^{3.45/20} + 10^{3.17/20})^2/2]$ =6.32dBi

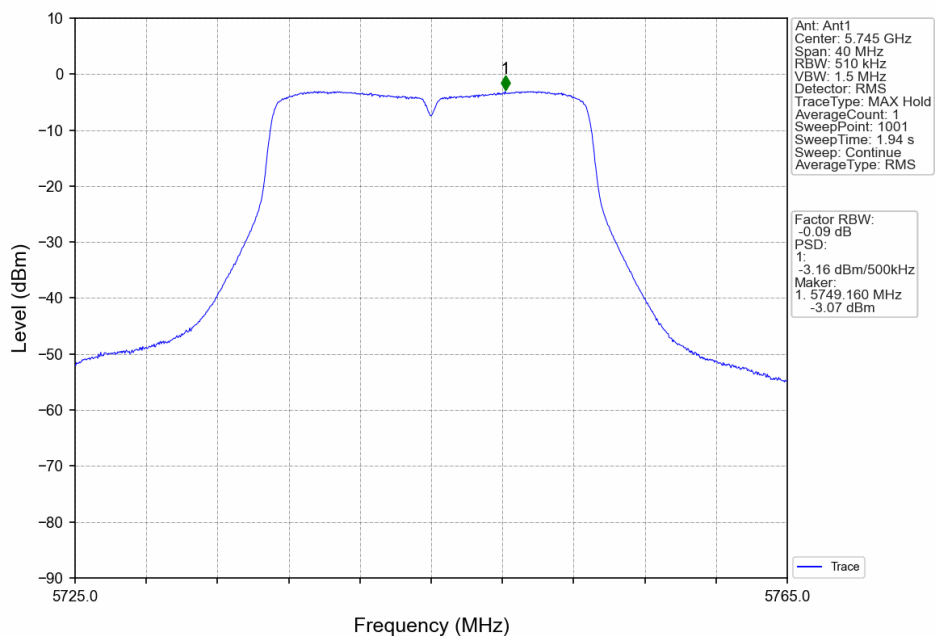
4.2 Test Graph



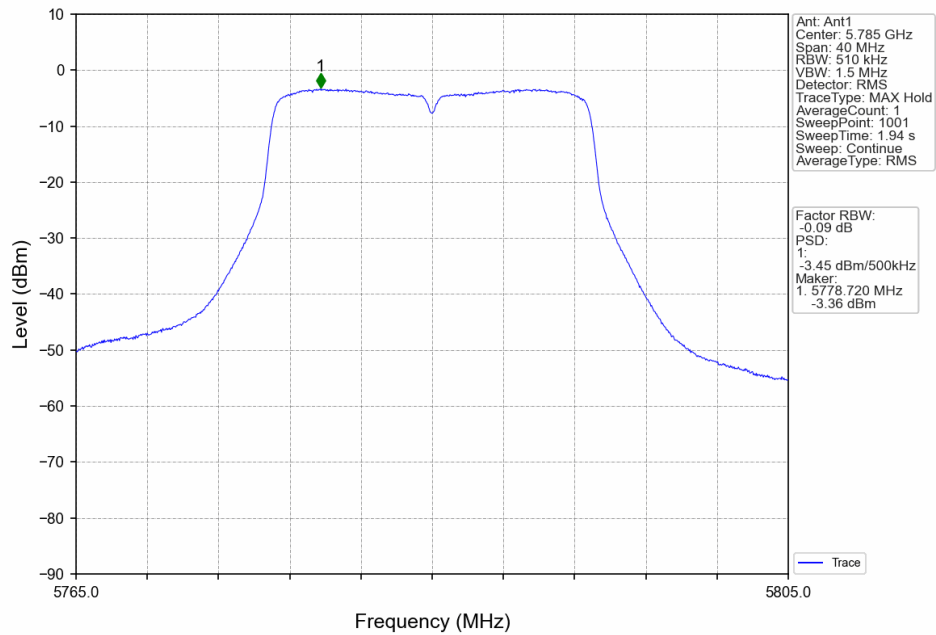
ANT1_HCH_5805MHz_NTNV



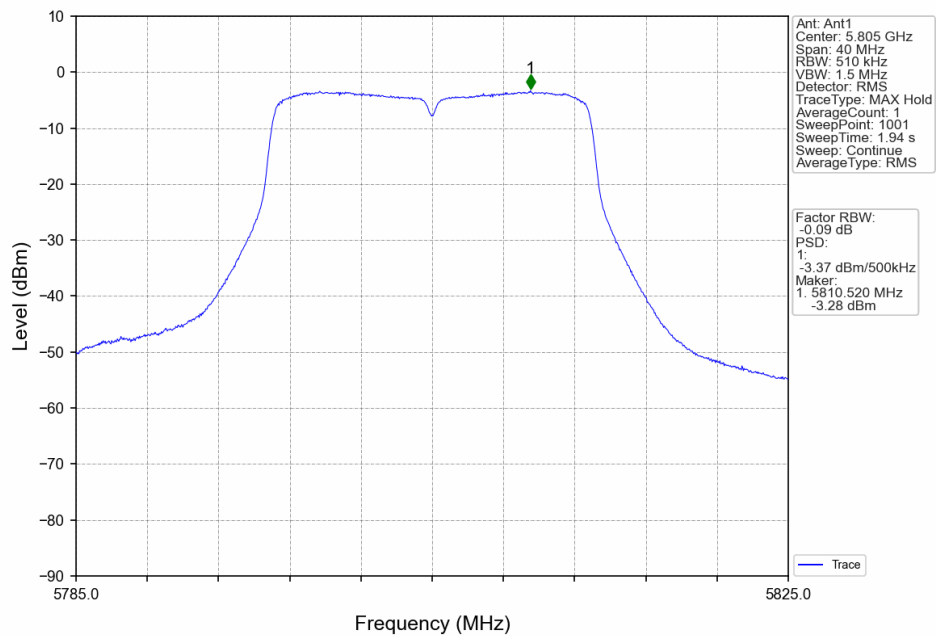
ANT2_LCH_5745MHz_NTNV



ANT2_MCH_5785MHz_NTNV



ANT2_HCH_5805MHz_NTNV



5. Unwanted Emissions in Restricted Frequency Bands

5.1 Test Result

Test Mode	Test Frequency (MHz)	TX Type	ANT No.	Frequency (MHz)	Reading Level (dBm)	Antenna Gain (dBi)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
802.11ac (VHT20)	5745.0	SISO	ANT1	5647.31	-53.07	2.00	44.44	74.00	-29.56	Peak
				5721.27	-37.28	2.00	60.24	74.00	-13.76	Peak
				5733.42	-44.08	2.00	53.44	74.00	-20.56	Peak
				11491.31	-52.10	2.00	45.42	54.00	-8.58	AVG
					-45.49	2.00	52.03	74.00	-21.97	Peak
				15741.26	-53.04	2.00	44.48	54.00	-9.52	AVG
					-42.59	2.00	54.93	74.00	-19.07	Peak
				18320.27	-48.59	2.00	48.93	54.00	-5.07	AVG
					-38.65	2.00	58.87	74.00	-15.13	Peak
				20153.42	-46.62	2.00	50.90	54.00	-3.10	AVG
					-36.89	2.00	60.62	74.00	-13.38	Peak
				22181.32	-44.60	2.00	50.46	54.00	-3.54	AVG
					-35.20	2.00	62.32	74.00	-11.68	Peak
	5785.0	SISO	ANT1	24243.16	-39.85	2.00	57.67	54.00	3.67	AVG
					-29.90	2.00	67.62	74.00	-6.38	Peak
				7531.32	-57.87	2.00	39.65	54.00	-14.35	AVG
					-46.83	2.00	50.69	74.00	-23.31	Peak
				11571.16	-48.22	2.00	49.30	54.00	-4.70	AVG
					-39.12	2.00	58.40	74.00	-15.60	Peak
				15312.11	-51.48	2.00	46.04	54.00	-7.96	AVG
					-41.38	2.00	56.14	74.00	-17.86	Peak
				18630.68	-49.59	2.00	47.93	54.00	-6.07	AVG
					-38.42	2.00	59.10	74.00	-14.90	Peak
				20542.37	-44.07	2.00	49.45	54.00	-4.55	AVG
					-34.45	2.00	63.07	74.00	-10.93	Peak
	5805.0	SISO	ANT1	23834.16	-41.20	2.00	50.32	54.00	-3.68	AVG
					-31.34	2.00	66.18	74.00	-7.82	Peak
				11617.11	-48.08	2.00	49.44	54.00	-4.56	AVG
					-38.57	2.00	58.95	74.00	-15.05	Peak
				15402.32	-51.67	2.00	45.85	54.00	-8.15	AVG
					-42.44	2.00	55.08	74.00	-18.92	Peak
				17536.21	-48.63	2.00	48.89	54.00	-5.11	AVG
					-38.32	2.00	59.20	74.00	-14.80	Peak
				20489.21	-44.34	2.00	49.18	54.00	-4.82	AVG
					-34.62	2.00	62.90	74.00	-11.10	Peak
				22962.63	-44.54	2.00	48.98	54.00	-5.02	AVG
					-33.90	2.00	63.62	74.00	-10.38	Peak
	5745.0	SISO	ANT2	24964.11	-40.64	2.00	50.88	54.00	-3.12	AVG
					-30.52	2.00	67.00	74.00	-7.00	Peak
				5647.10	-51.08	2.00	44.81	74.00	-29.19	Peak
					-37.09	2.00	60.61	74.00	-13.39	Peak
				5733.24	-42.29	2.00	53.81	74.00	-20.19	Peak
					-50.11	2.00	45.79	54.00	-8.21	AVG
				11491.10	-42.80	2.00	52.40	74.00	-21.60	Peak
					-50.95	2.00	44.85	54.00	-9.15	AVG
				15741.03	-41.00	2.00	55.30	74.00	-18.70	Peak
					-48.40	2.00	49.30	54.00	-4.70	AVG
				18320.35	-38.56	2.00	59.24	74.00	-14.76	Peak
					-47.42	2.00	51.27	54.00	-2.73	AVG
				20153.55	-36.90	2.00	60.99	74.00	-13.01	Peak
					-44.51	2.00	50.83	54.00	-3.17	AVG
				22181.41	-34.71	2.00	62.69	74.00	-11.31	Peak
					-39.46	2.00	52.99	54.00	-1.01	AVG
				24243.21	-29.61	2.00	67.99	74.00	-6.01	Peak

	5785.0	SISO	ANT2	7531.41	-58.47	2.00	40.02	54.00	-13.98	AVG
					-46.64	2.00	51.06	74.00	-22.94	Peak
				11571.21	-47.83	2.00	49.67	54.00	-4.33	AVG
					-38.03	2.00	58.77	74.00	-15.23	Peak
				15312.14	-50.99	2.00	46.41	54.00	-7.59	AVG
					-41.09	2.00	56.51	74.00	-17.49	Peak
				18630.59	-48.30	2.00	48.30	54.00	-5.70	AVG
					-38.03	2.00	59.47	74.00	-14.53	Peak
				20542.48	-44.08	2.00	49.82	54.00	-4.18	AVG
					-34.66	2.00	63.44	74.00	-10.56	Peak
	23834.21	-40.81	2.00	50.69	54.00	-3.31	AVG			
		-30.05	2.00	66.55	74.00	-7.45	Peak			
	5805.0	SISO	ANT2	11617.14	-47.59	2.00	49.81	54.00	-4.19	AVG
					-38.28	2.00	59.32	74.00	-14.68	Peak
				15402.41	-52.27	2.00	46.22	54.00	-7.78	AVG
					-41.94	2.00	55.45	74.00	-18.55	Peak
				17536.28	-48.34	2.00	49.26	54.00	-4.74	AVG
					-38.62	2.00	59.57	74.00	-14.43	Peak
				20489.28	-44.05	2.00	49.55	54.00	-4.45	AVG
					-35.02	2.00	63.27	74.00	-10.73	Peak
				22962.52	-43.84	2.00	49.35	54.00	-4.65	AVG
					-34.20	2.00	63.99	74.00	-10.01	Peak
				24964.14	-40.15	2.00	51.25	54.00	-2.75	AVG
					-29.93	2.00	67.37	74.00	-6.63	Peak

6. Frequency Stability

6.1 Test Result

Only shown the worst case

Test Condition	Test Mode	Test Frequency [MHz]	Ant	Result [ppm]	Limit [ppm]	Verdict
NTNV	Carrier	5745	1	-4.32	<=20	PASS
		5785	1	-4.25	<=20	PASS
		5805	1	-4.63	<=20	PASS
		5745	2	-7.21	<=20	PASS
		5785	2	-7.23	<=20	PASS
		5805	2	-7.28	<=20	PASS

-----End-----