

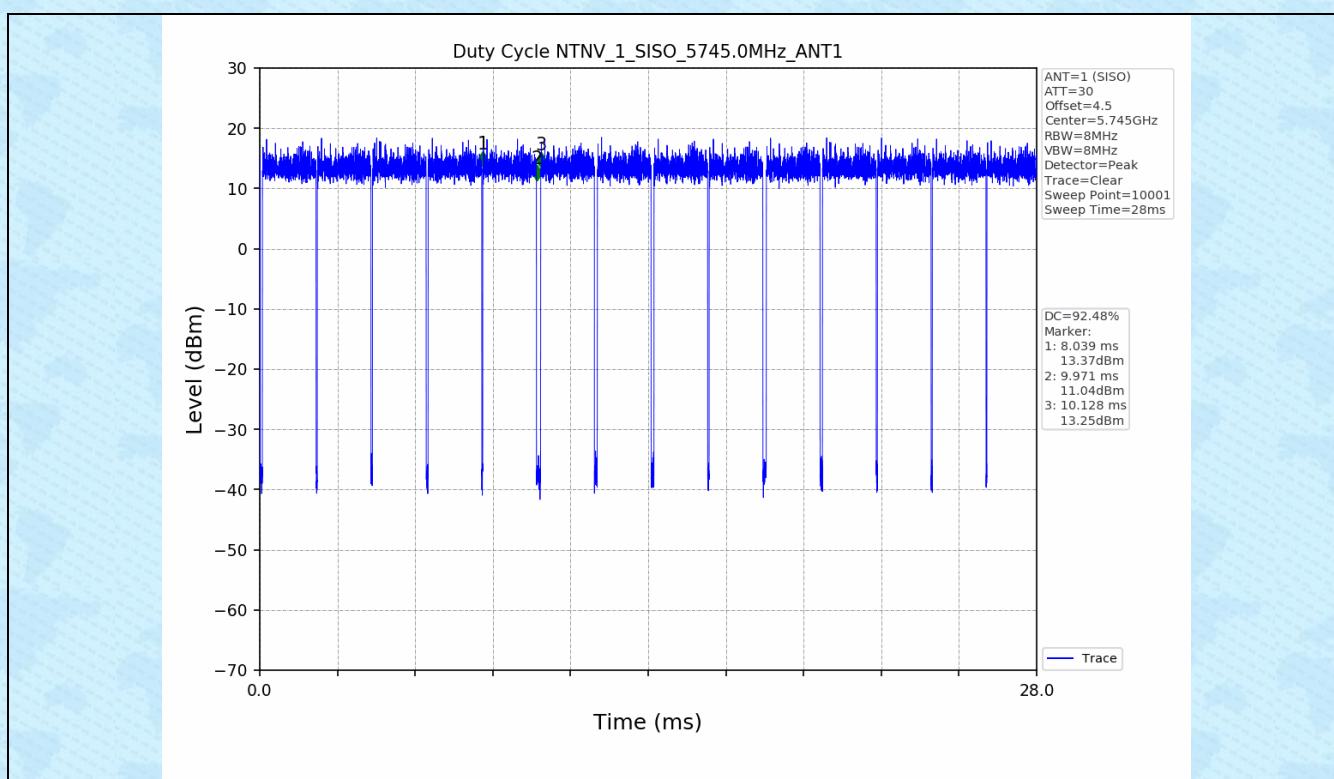
Appendix for 15.407

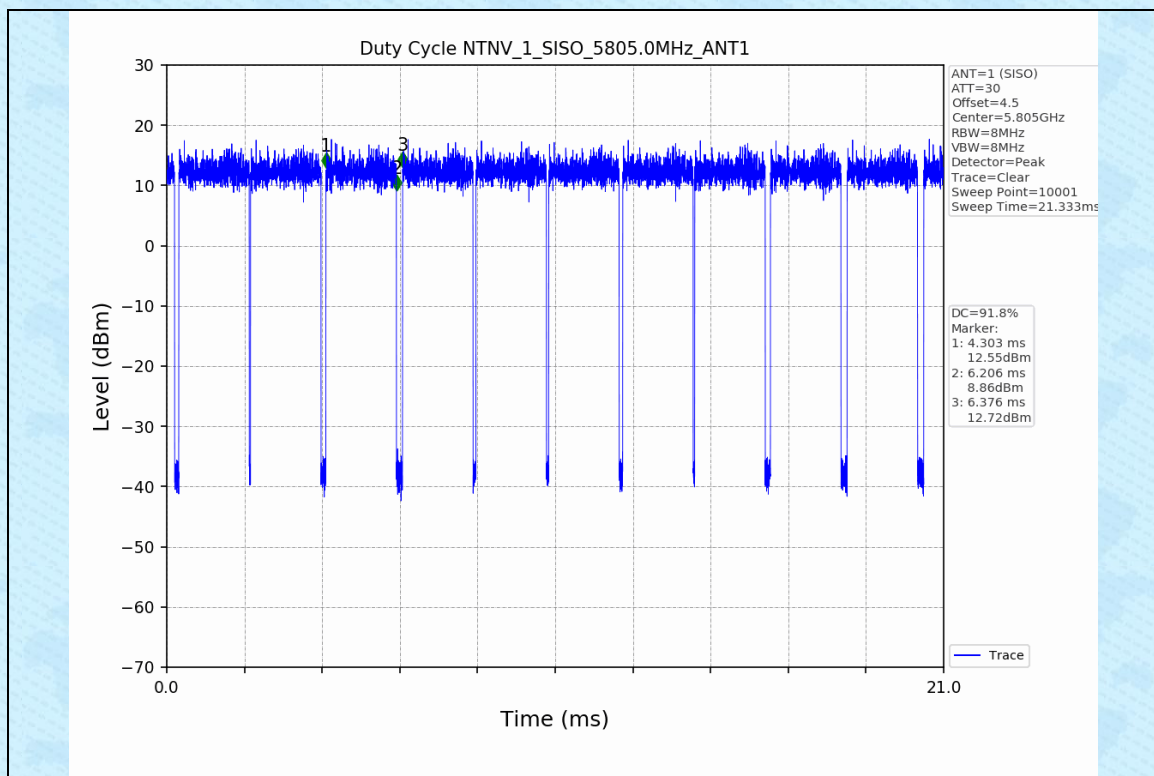
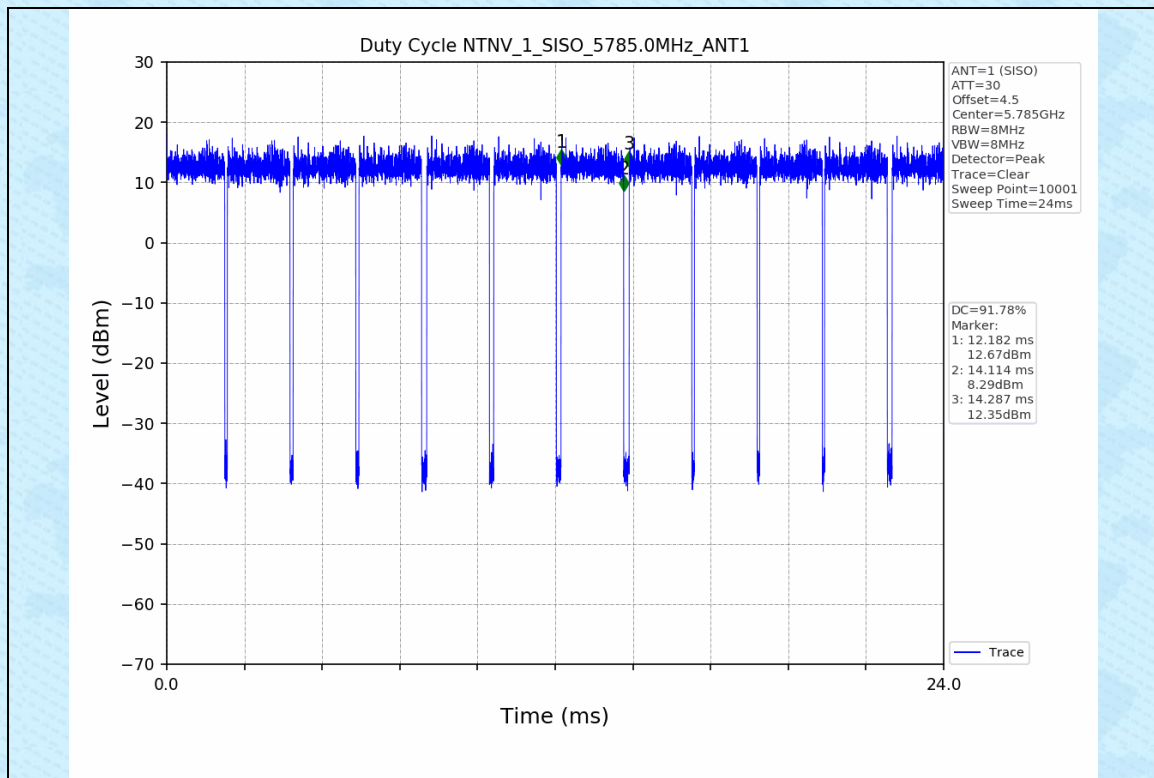
1. Duty Cycle

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	ANT1	1.932	2.089	92.48	0.34
	5785.0	SISO	ANT1	1.932	2.105	91.78	0.37
	5805.0	SISO	ANT1	1.903	2.073	91.80	0.37

1.2 Test Graph





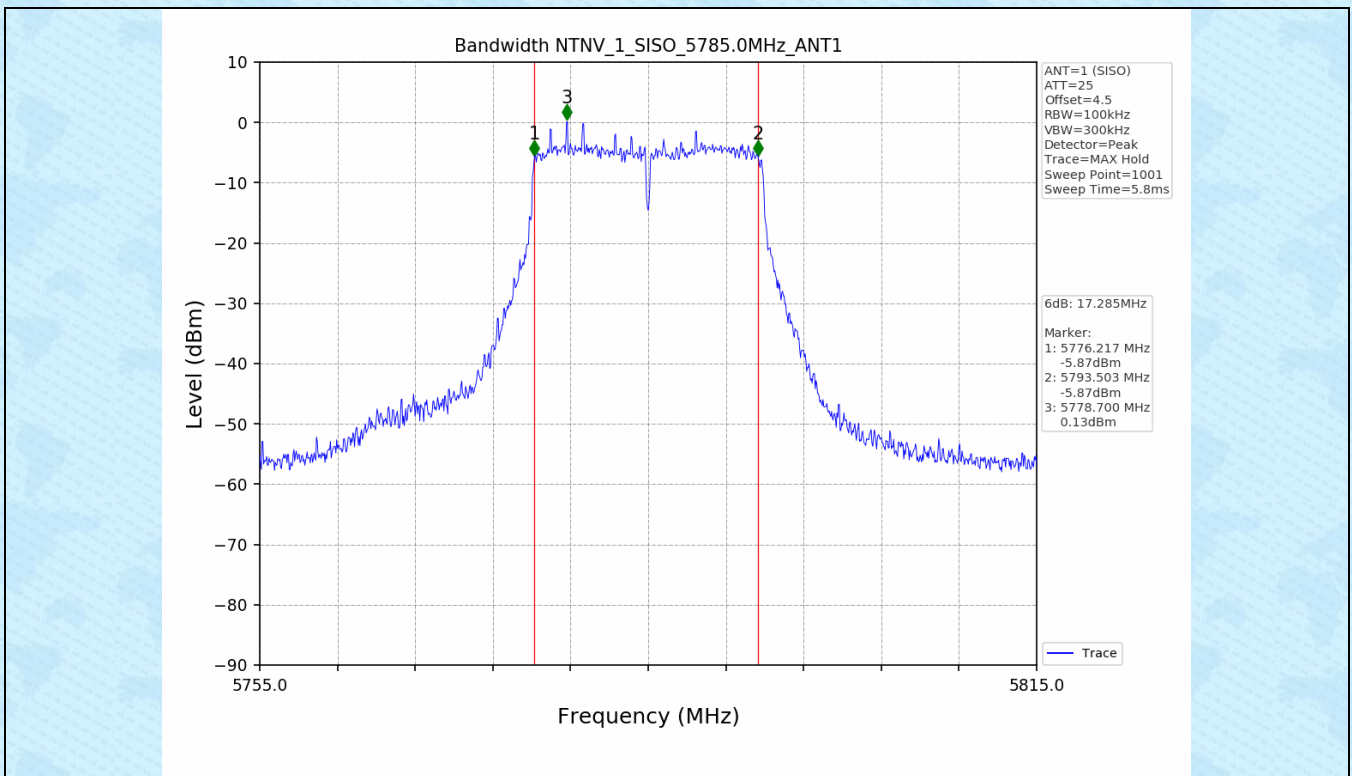
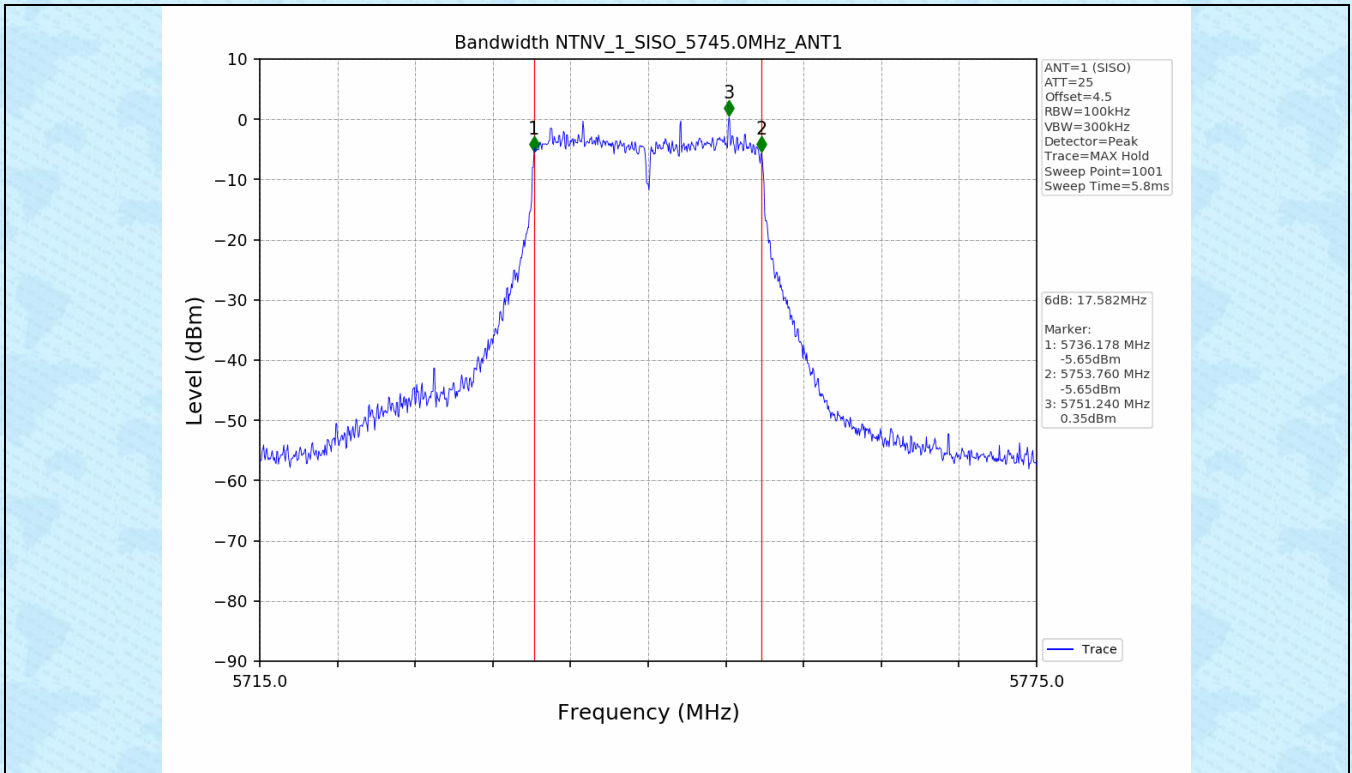
2. Bandwidth

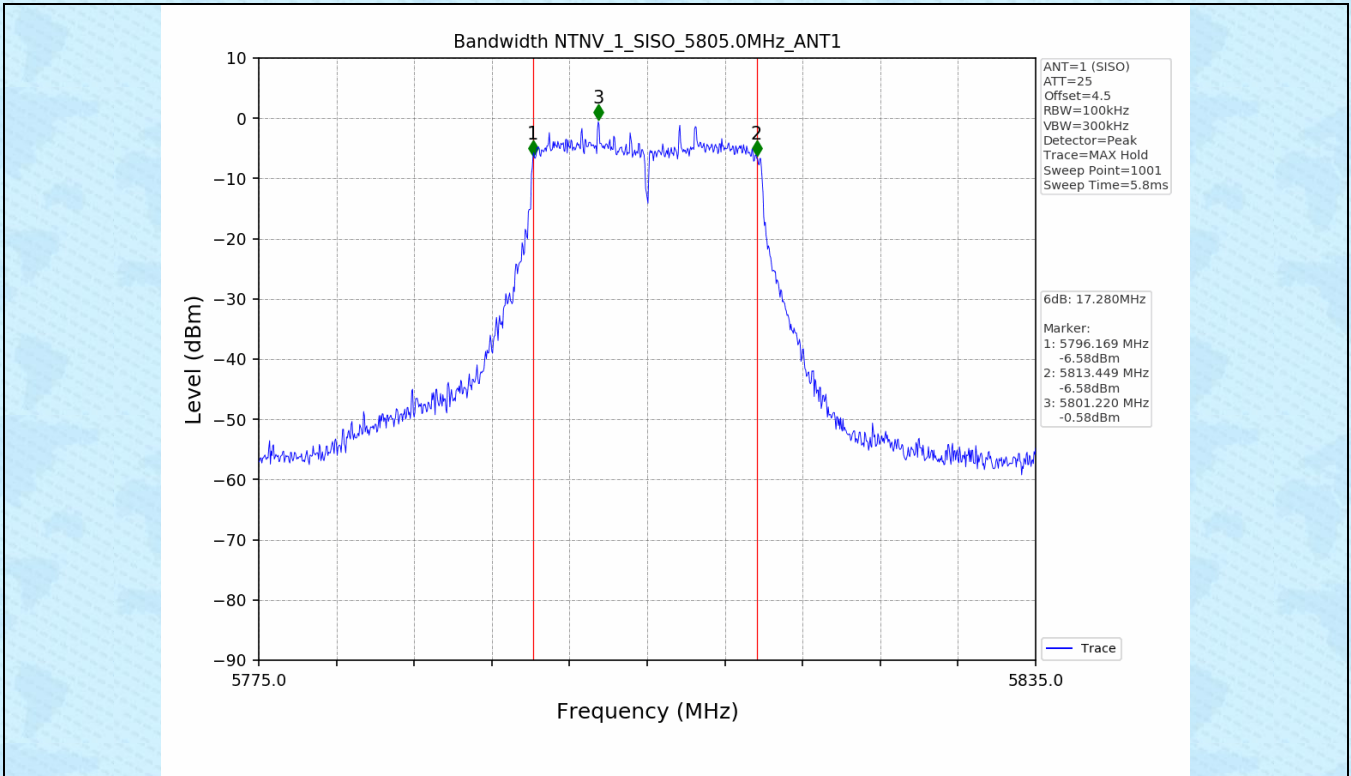
2.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11ac(VHT20)	5745.0	SISO	ANT1	17.582	≥0.5	PASS
	5785.0	SISO	ANT1	17.285	≥0.5	PASS
	5805.0	SISO	ANT1	17.280	≥0.5	PASS

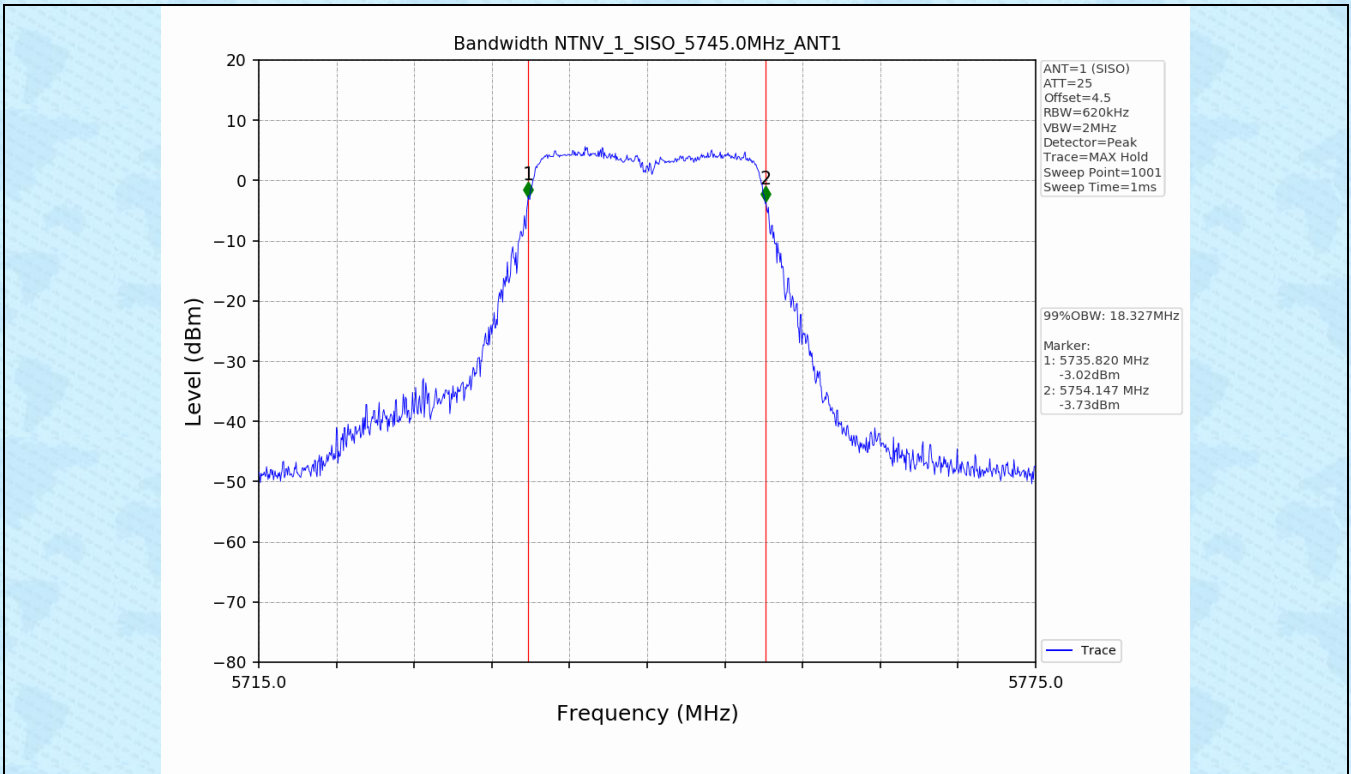
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11ac(VHT20)	5745.0	SISO	ANT1	18.327	Only for Report Use
	5785.0	SISO	ANT1	18.416	Only for Report Use
	5805.0	SISO	ANT1	18.324	Only for Report Use

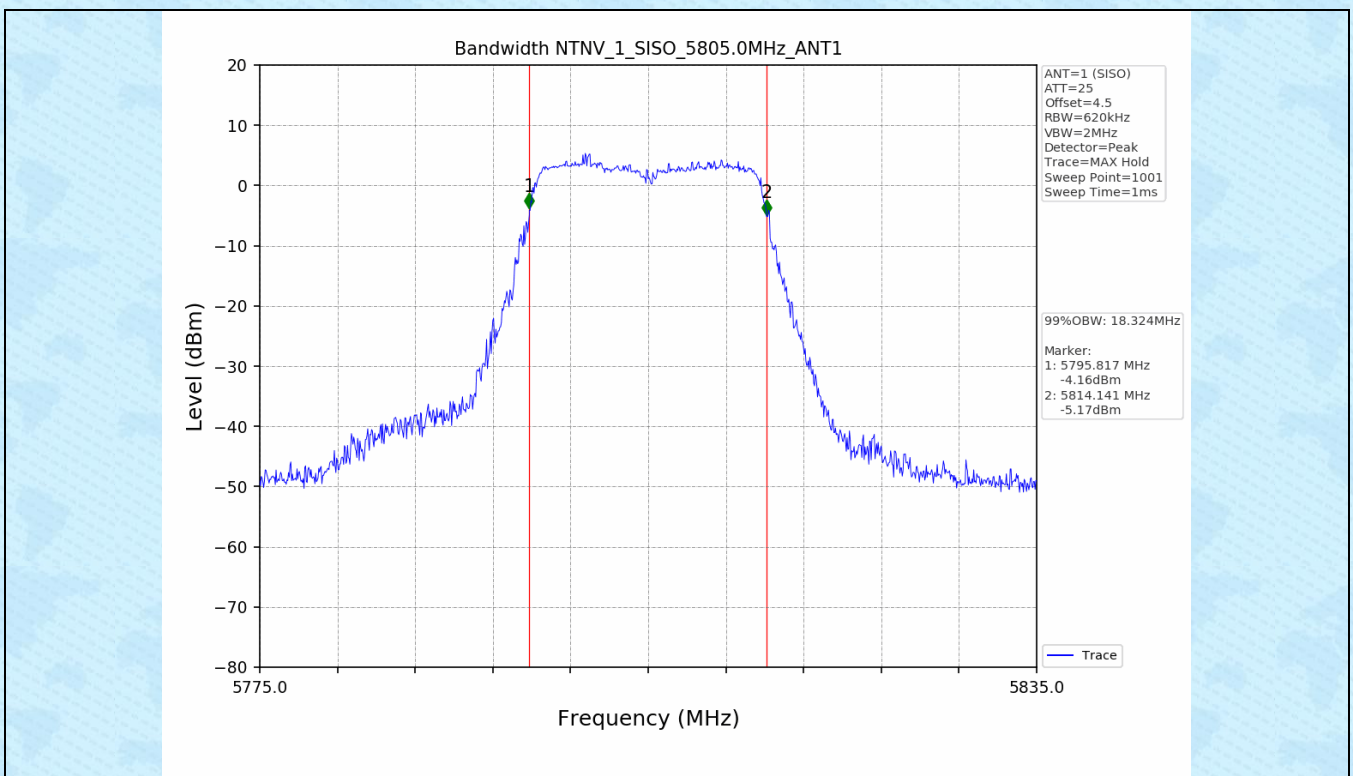
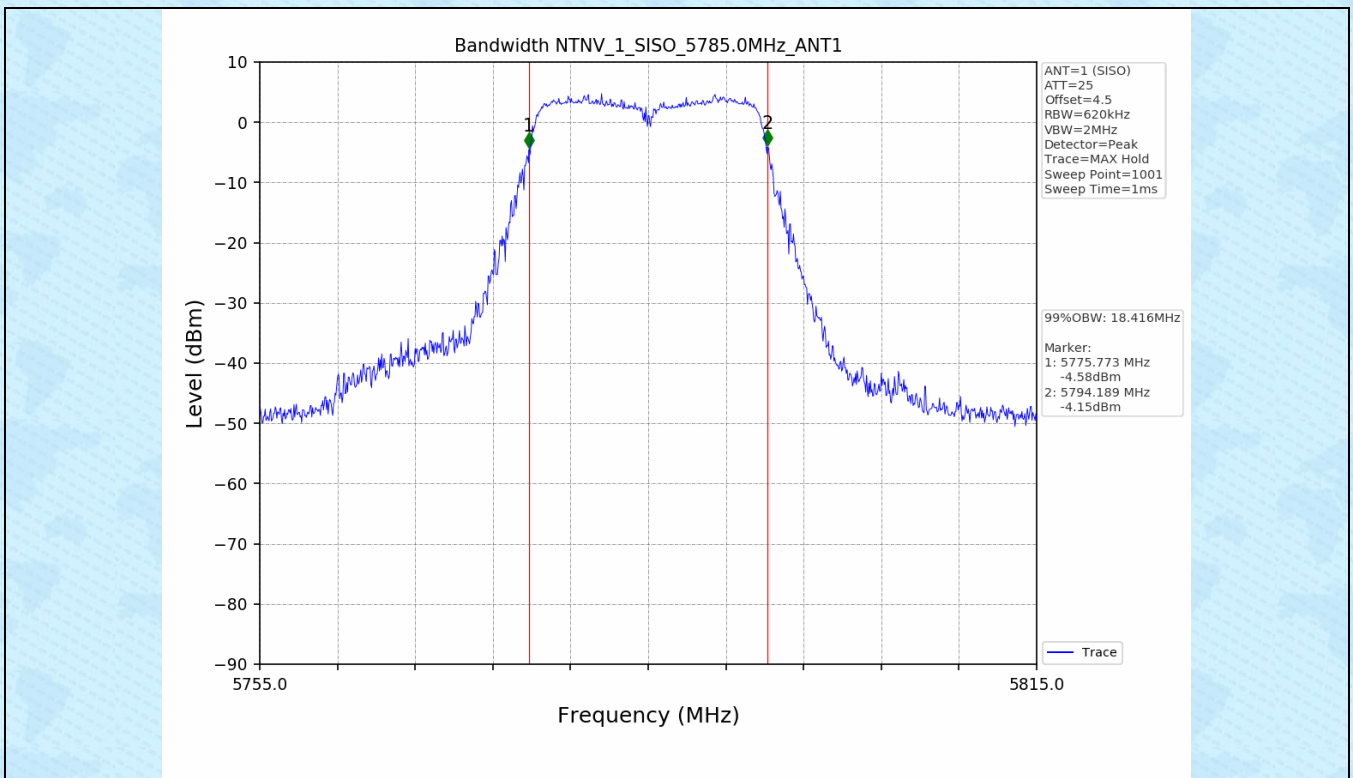
2.2 Test Graph - Emission Bandwidth





2.3 Test Graph - 99% Occupied Bandwidth





3. Maximum Conducted Output Power

3.1 Test Result

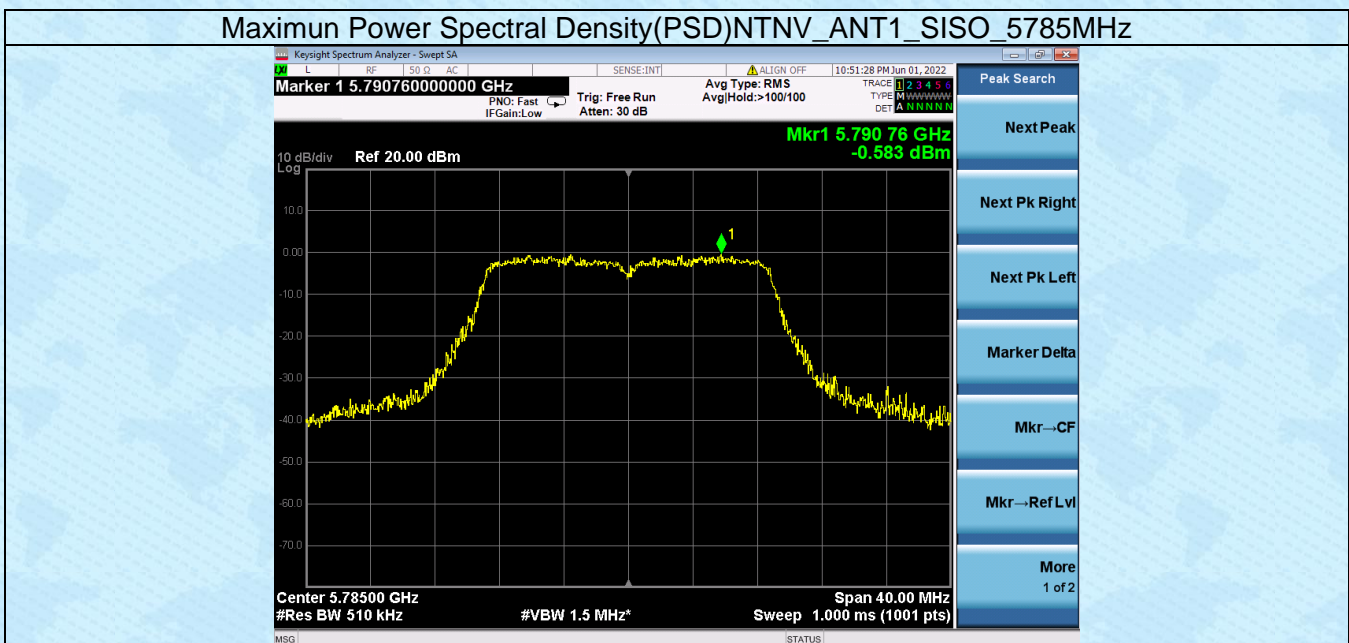
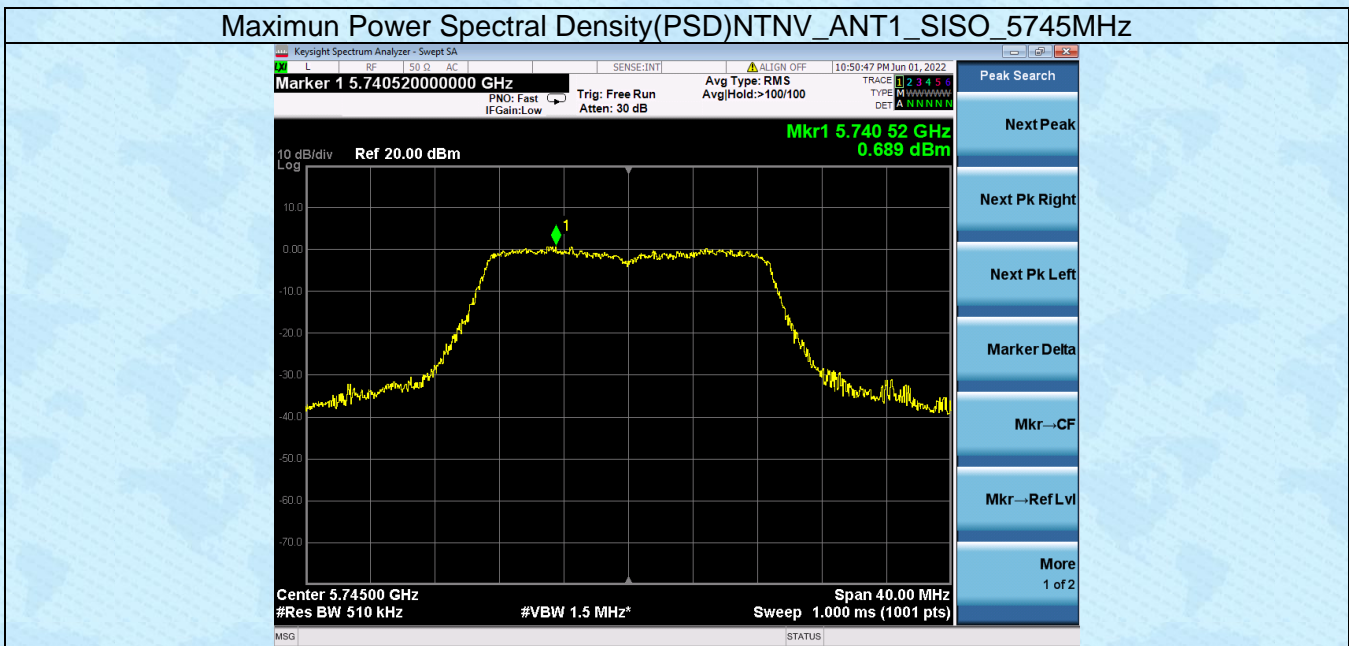
Test Mode	Frequency (MHz)	Tx Type	Measured Output Power (dBm)	Limit (dBm)	Verdict
			Ant 1		
802.11ac(VHT20)	5745.0	SISO	12.24	≤30.00	PASS
	5785.0	SISO	11.27	≤30.00	PASS
	5805.0	SISO	11.23	≤30.00	PASS

4. Maximum Power Spectral Density (PSD)

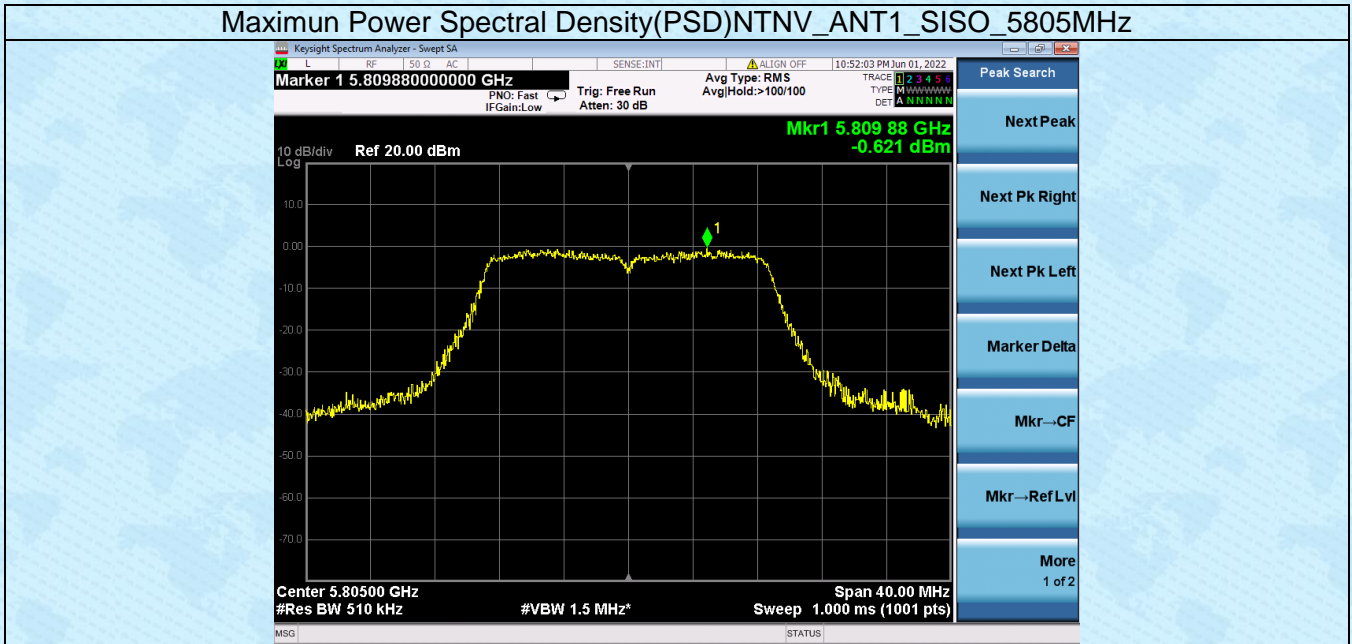
4.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/500kHz)	Limits (dBm/500kHz)	Verdict
			Ant 1		
802.11ac(VHT20)	5745.0	SISO	0.69	≤30	PASS
	5785.0	SISO	-0.58	≤30	PASS
	5805.0	SISO	-0.62	≤30	PASS

4.2 Test Graph



Maximun Power Spectral Density(PSD)NTNV_ANT1_SISO_5805MHz



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	5650.000	-51.77	2.00	45.42	74	-23.51	Peak
				5724.433	-37.78	2.00	59.42	74	-13.25	Peak
				5725.000	-42.98	2.00	54.22	74	-14.26	Peak
				11488.000	-50.80	2.00	46.40	54	-10.21	AVG
					-43.49	2.00	53.71	74	-19.63	Peak
				15736.000	-51.64	2.00	45.56	54	-9.26	AVG
					-41.69	2.00	55.51	74	-17.64	Peak
				18043.840	-49.09	2.00	48.11	54	-7.16	AVG
					-39.25	2.00	57.95	74	-15.26	Peak
				20147.200	-47.42	2.00	49.78	54	-5.63	AVG
		-37.59	2.00	59.60	74	-15.26	Peak			
	22170.880	-45.20	2.00	52.00	54	-3.15	AVG			
		-35.40	2.00	61.80	74	-13.26	Peak			
	24240.640	-40.15	2.00	57.05	54	-2.64	AVG			
		-30.30	2.00	66.90	74	-6.85	Peak			
	5785.0	SISO	ANT1	7522.240	-58.47	2.00	38.73	54	-13.65	AVG
					-47.33	2.00	49.87	74	-21.26	Peak
				11567.680	-48.52	2.00	48.68	54	-6.45	AVG
					-38.72	2.00	58.48	74	-14.28	Peak
				15308.800	-51.68	2.00	45.52	54	-9.62	AVG
					-41.78	2.00	55.42	74	-16.48	Peak
				18494.080	-48.99	2.00	48.21	54	-4.12	AVG
					-38.72	2.00	58.48	74	-13.85	Peak
	20566.720	-44.77	2.00	52.43	54	-3.62	AVG			
		-35.35	2.00	61.85	74	-13.62	Peak			
	23845.120	-41.50	2.00	55.70	54	-0.12	AVG			
		-30.74	2.00	66.46	74	-6.95	Peak			
	5805.0	SISO	ANT1	11611.840	-48.28	2.00	48.92	54	-7.58	AVG
					-38.97	2.00	58.23	74	-16.35	Peak
				15393.280	-52.27	2.00	44.93	54	-9.86	AVG
				-41.94	2.00	55.26	74	-19.32	Peak	
17511.040				-49.03	2.00	48.17	54	-6.45	AVG	
				-38.62	2.00	58.58	74	-16.35	Peak	
20495.680				-44.74	2.00	52.46	54	-1.21	AVG	
				-35.02	2.00	62.18	74	-13.65	Peak	
22959.040				-43.84	2.00	53.36	54	-6.32	AVG	
				-34.20	2.00	63.00	74	-12.10	Peak	
24901.120	-40.84	2.00	56.36	54	-2.14	AVG				
	-30.62	2.00	66.58	74	-6.39	Peak				

6. Frequency Stability

6.1 Test Result

Test Condition	Test Mode	Test Frequency [MHz]	Ant	Result [ppm]	Limit [ppm]	Verdict
NTNV	Carrier	5745.0	ANT1	3.46	<=20	PASS
		5785.0	ANT1	3.45	<=20	PASS
		5805.0	ANT1	3.48	<=20	PASS

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