



Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

Report No.: KSCR240100008105

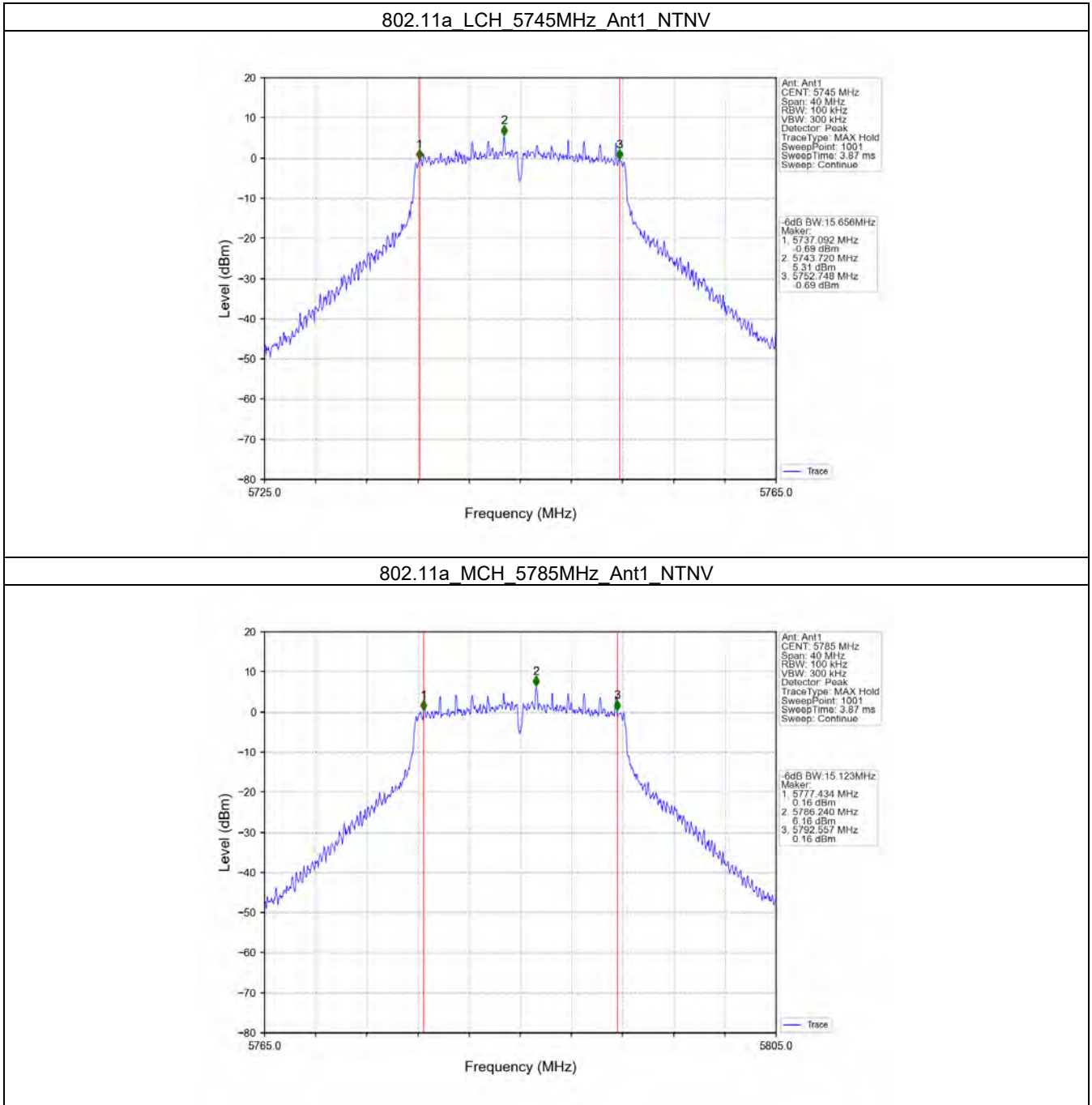
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2.2 6dB BW

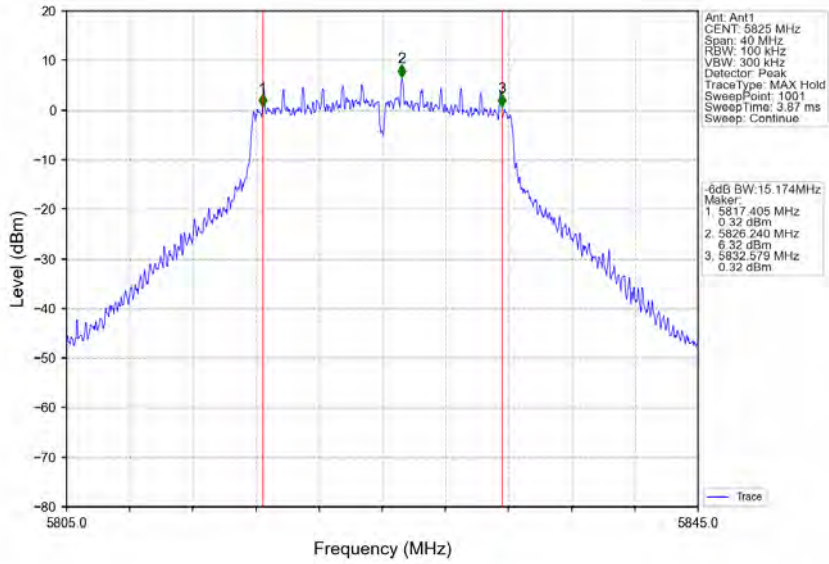
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	15.656	≥ 0.5	Pass
		5785	1	15.123	≥ 0.5	Pass
		5825	1	15.174	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	15.178	≥ 0.5	Pass
		5785	1	15.136	≥ 0.5	Pass
		5825	1	15.182	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	1	35.715	≥ 0.5	Pass
		5795	1	36.042	≥ 0.5	Pass
802.11ac (VHT80)	SISO	5775	1	75.181	≥ 0.5	Pass

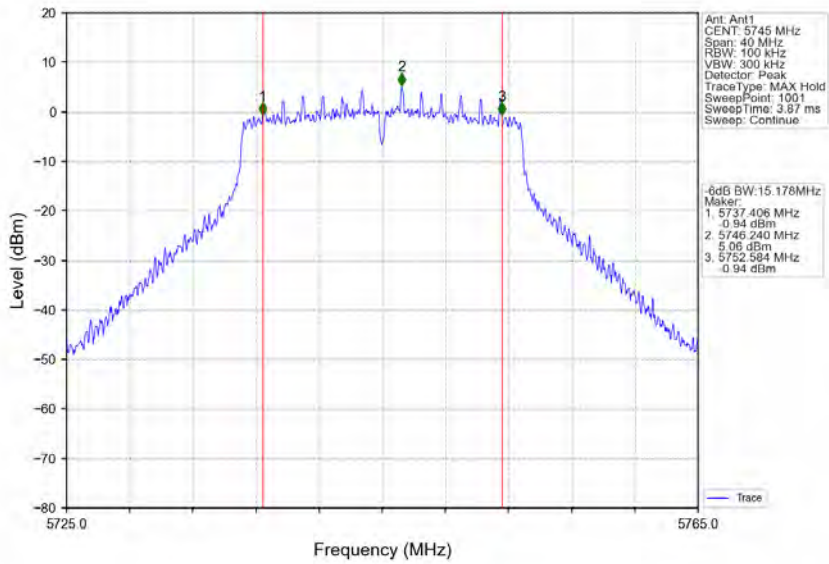
2.2.2 Test Graph



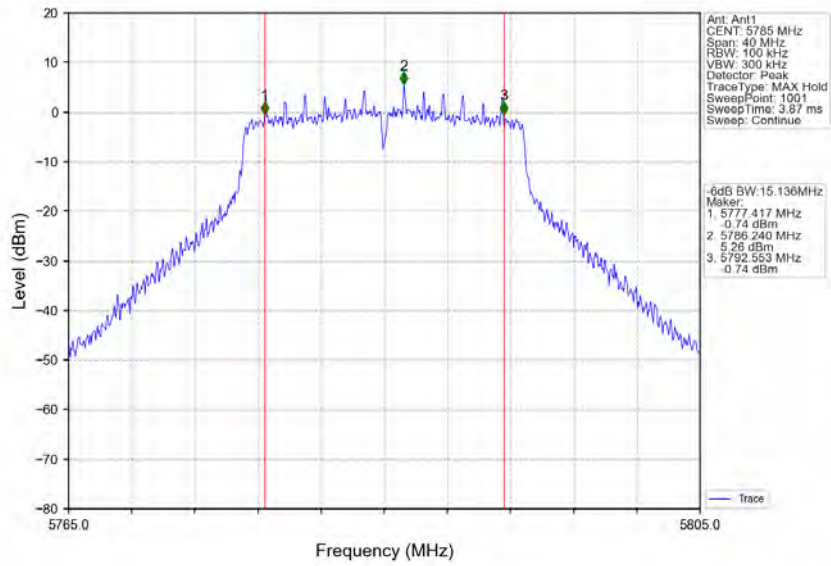
802.11a HCH 5825MHz Ant1 NTV



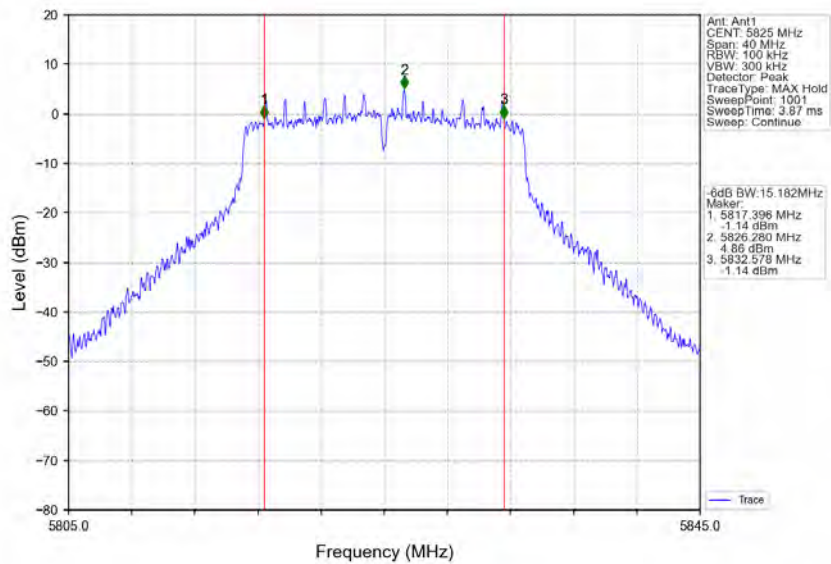
802.11n(HT20) LCH 5745MHz Ant1 NTV



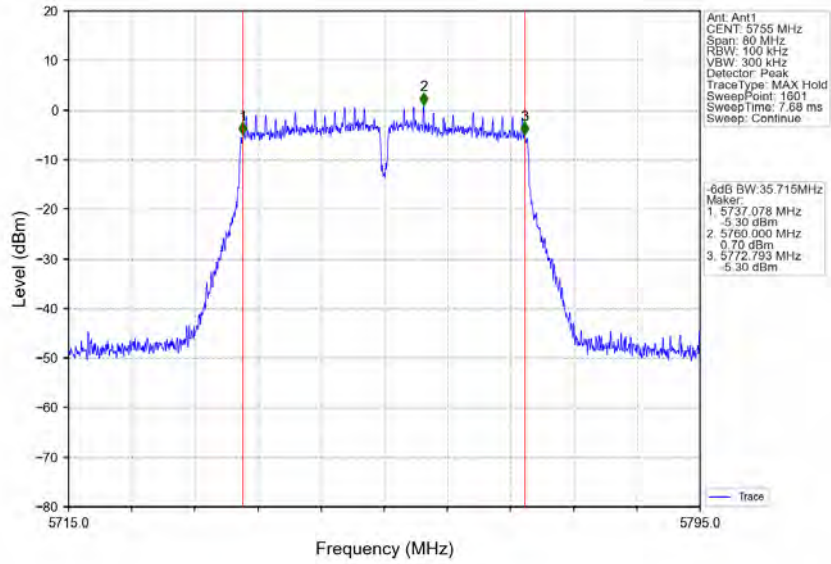
802.11n(HT20) MCH 5785MHz Ant1 NTN



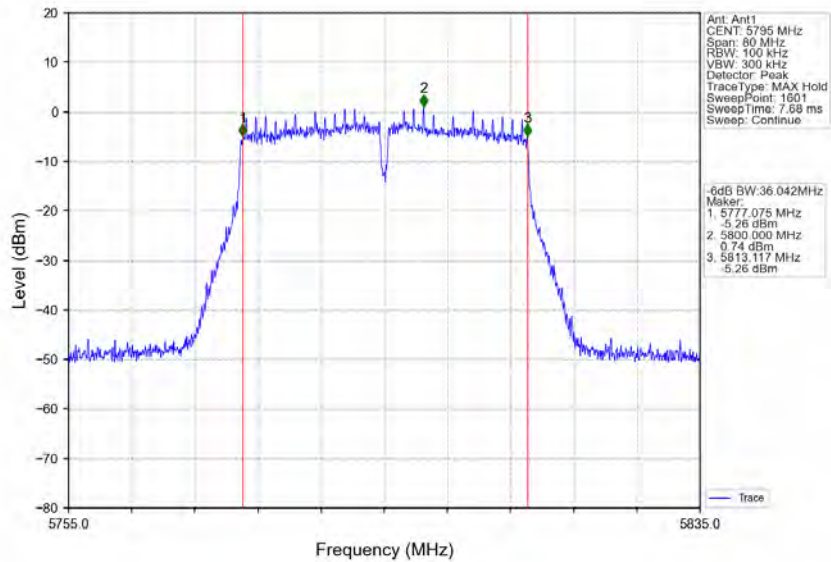
802.11n(HT20) HCH 5825MHz Ant1 NTN



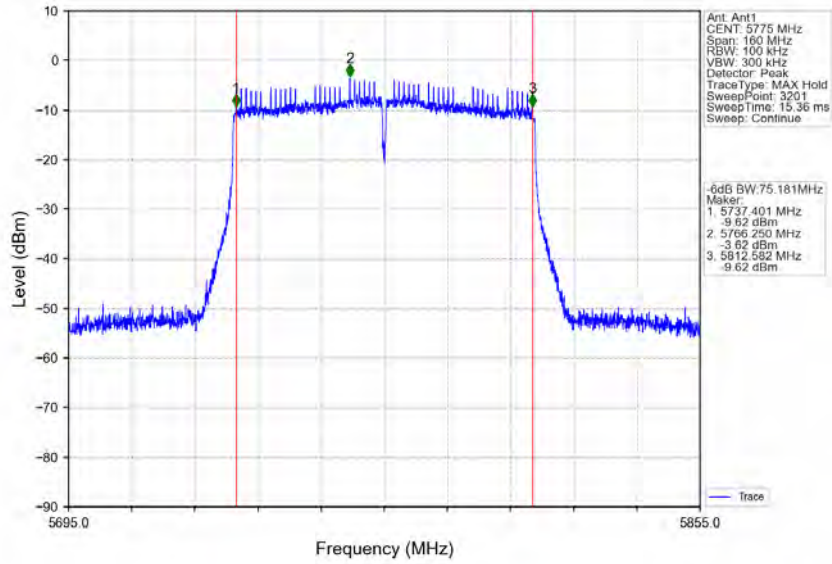
802.11n(HT40) LCH 5755MHz Ant1_NTNV



802.11n(HT40) HCH 5795MHz Ant1_NTNV



802.11ac(VHT80) MCH 5775MHz Ant1 NTVN





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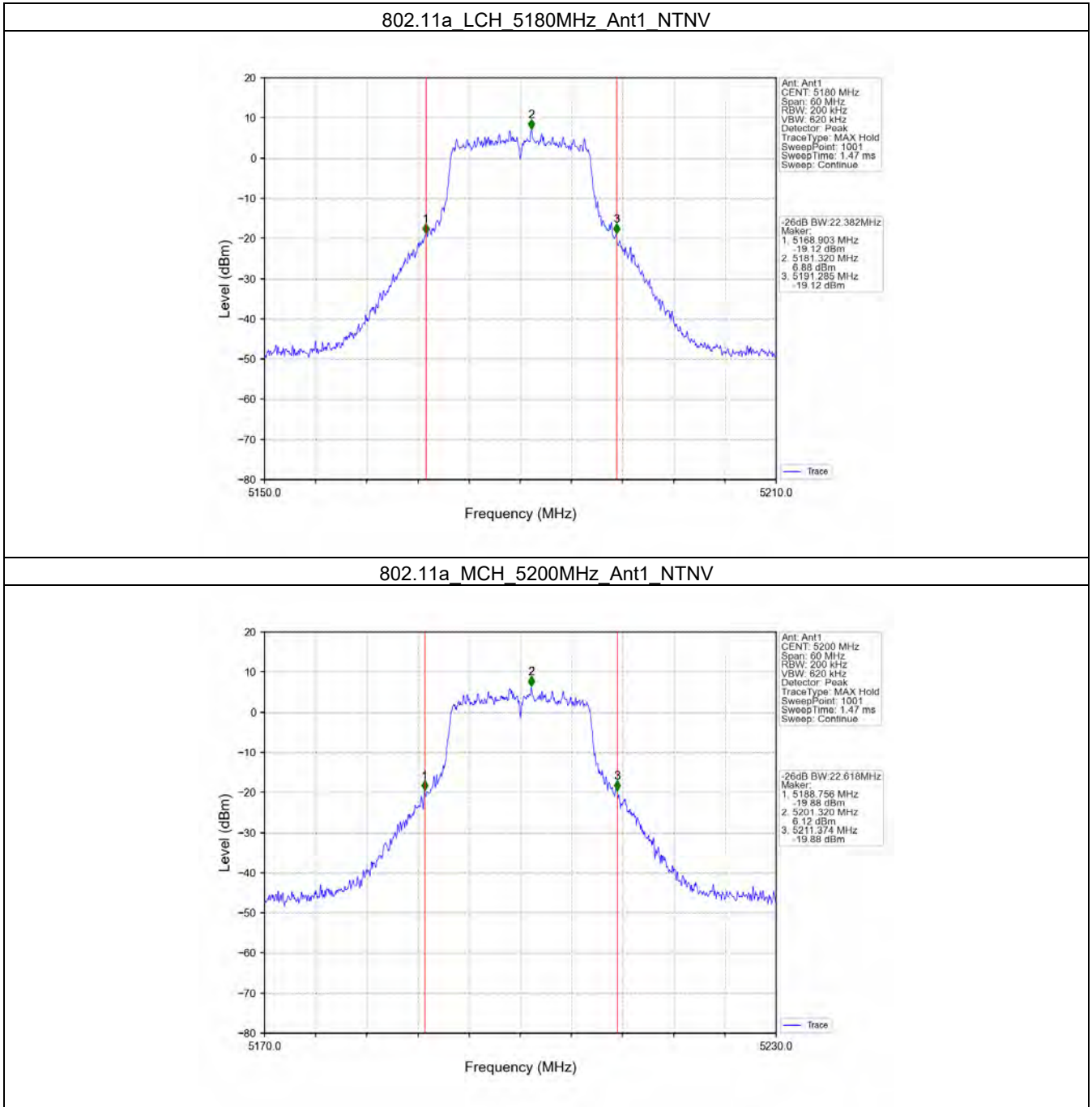
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2.3 26dB BW

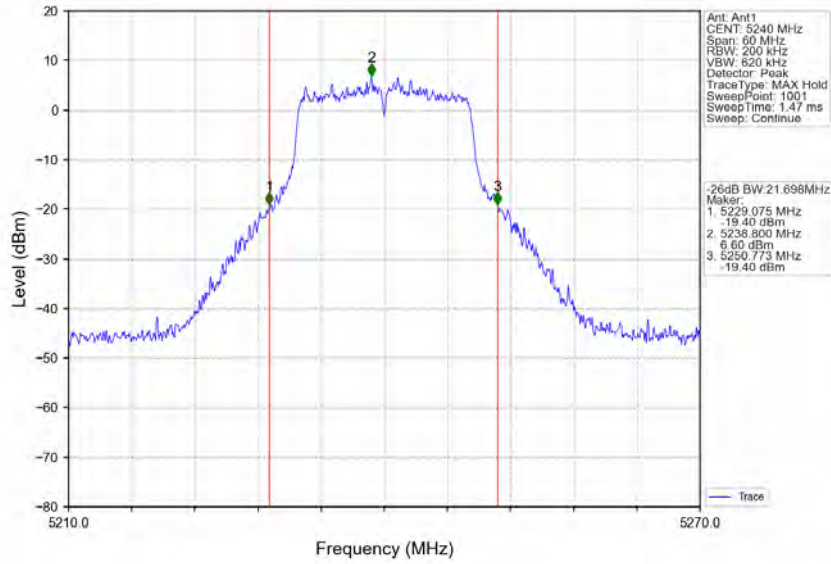
2.3.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	22.382	/	Pass
		5200	1	22.618	/	Pass
		5240	1	21.698	/	Pass
		5260	1	21.446	/	Pass
		5300	1	21.885	/	Pass
		5320	1	22.126	/	Pass
		5500	1	22.645	/	Pass
		5580	1	22.004	/	Pass
802.11n (HT20)	SISO	5700	1	22.799	/	Pass
		5180	1	23.248	/	Pass
		5200	1	23.475	/	Pass
		5240	1	23.126	/	Pass
		5260	1	22.626	/	Pass
		5300	1	22.649	/	Pass
		5320	1	22.977	/	Pass
		5500	1	23.538	/	Pass
802.11n (HT40)	SISO	5580	1	22.521	/	Pass
		5700	1	22.877	/	Pass
		5190	1	41.473	/	Pass
		5230	1	40.943	/	Pass
		5270	1	40.896	/	Pass
		5310	1	40.868	/	Pass
		5510	1	41.206	/	Pass
802.11ac (VHT80)	SISO	5550	1	41.476	/	Pass
		5670	1	41.317	/	Pass
		5210	1	82.525	/	Pass
		5290	1	83.394	/	Pass
802.11ac (VHT80)	SISO	5530	1	83.974	/	Pass
		5610	1	82.981	/	Pass

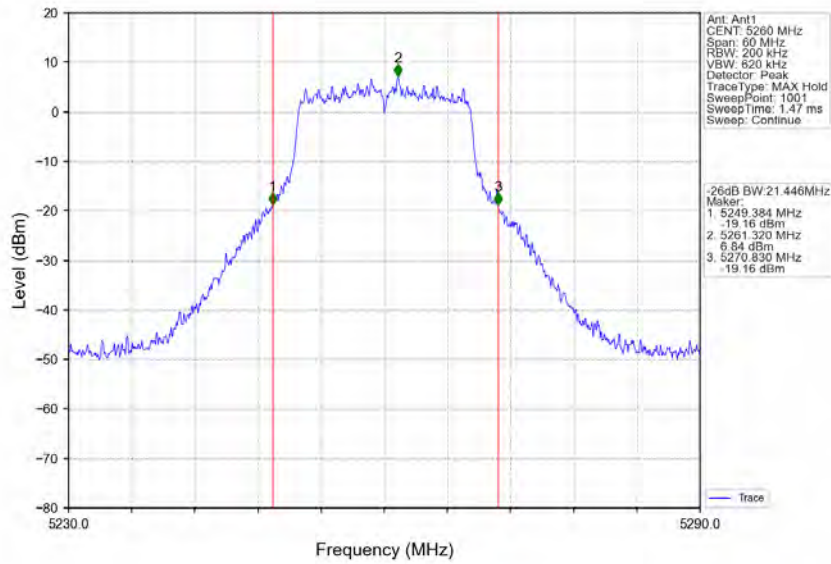
2.3.2 Test Graph



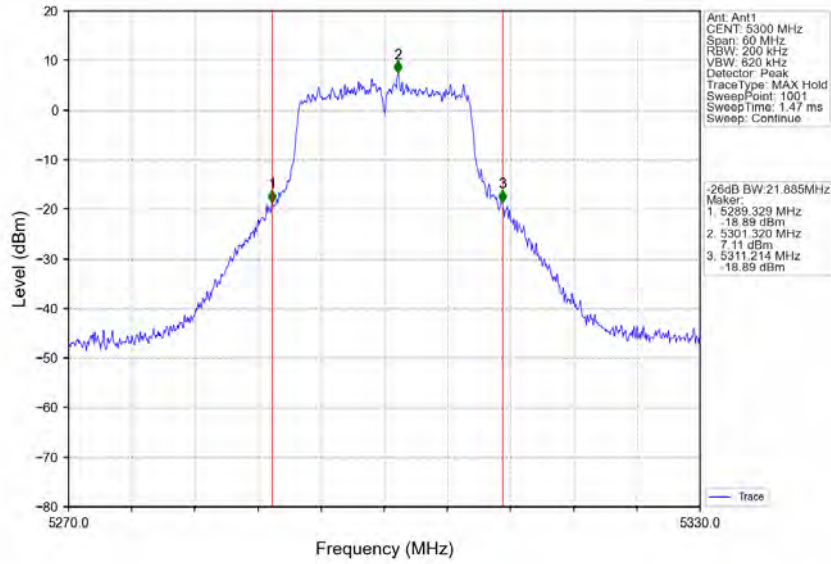
802.11a_HCH_5240MHz_Ant1_NTNV



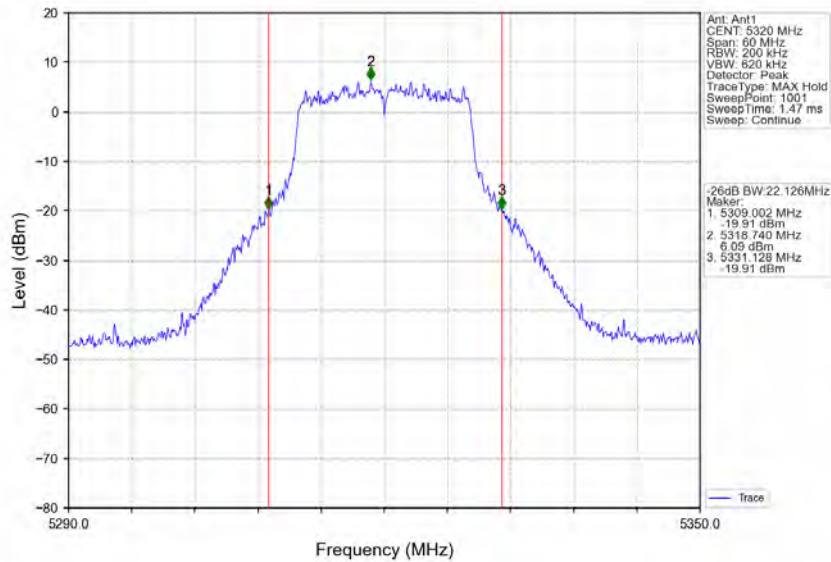
802.11a_LCH_5260MHz_Ant1_NTNV



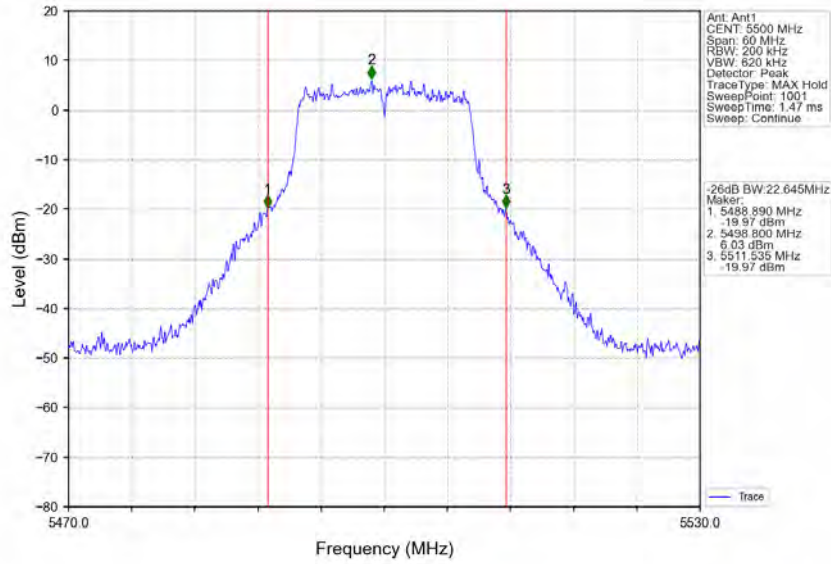
802.11a MCH 5300MHz Ant1 NTV



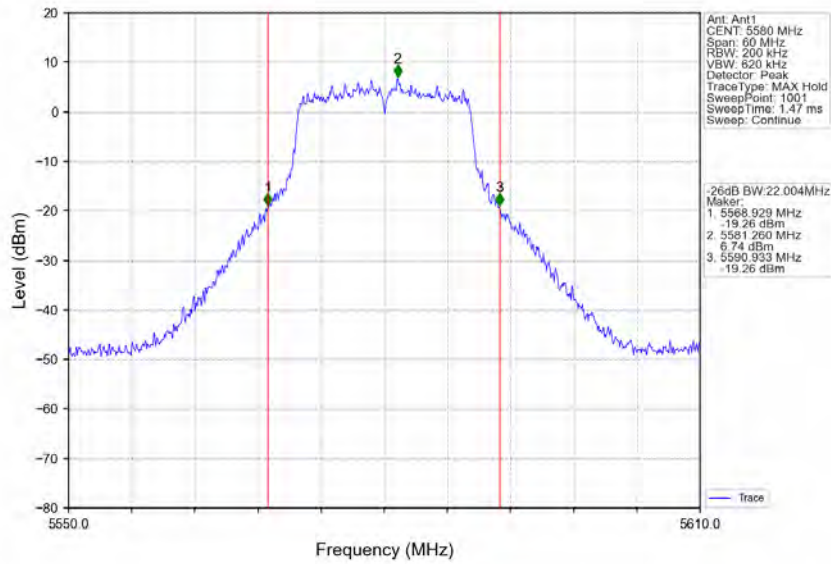
802.11a HCH 5320MHz Ant1 NTV



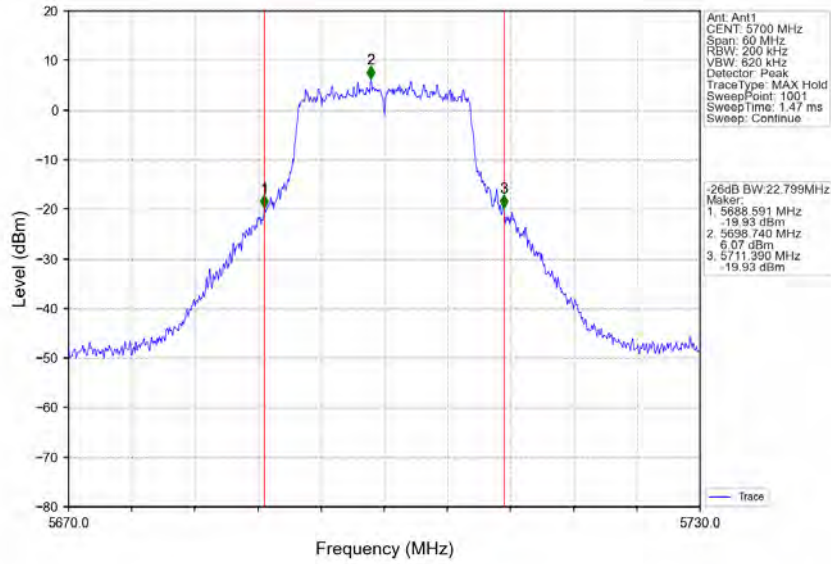
802.11a LCH 5500MHz Ant1 NTV



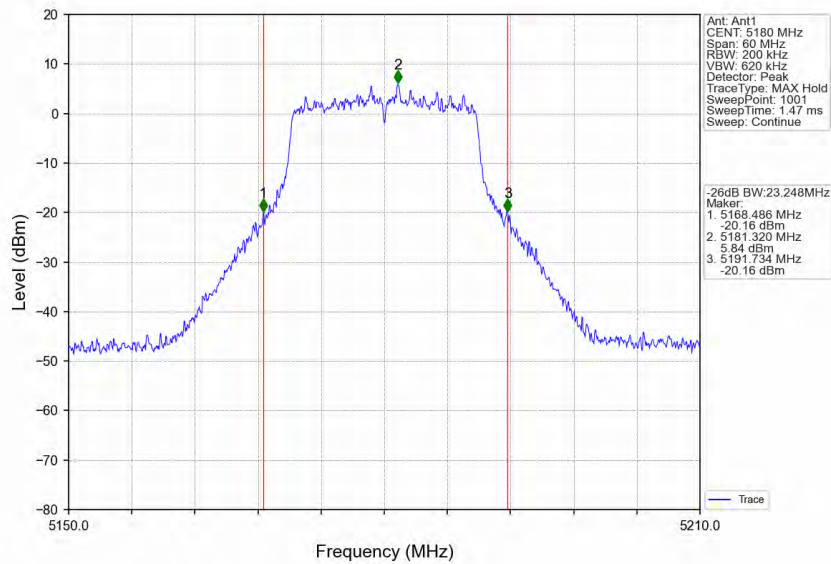
802.11a MCH 5580MHz Ant1 NTV



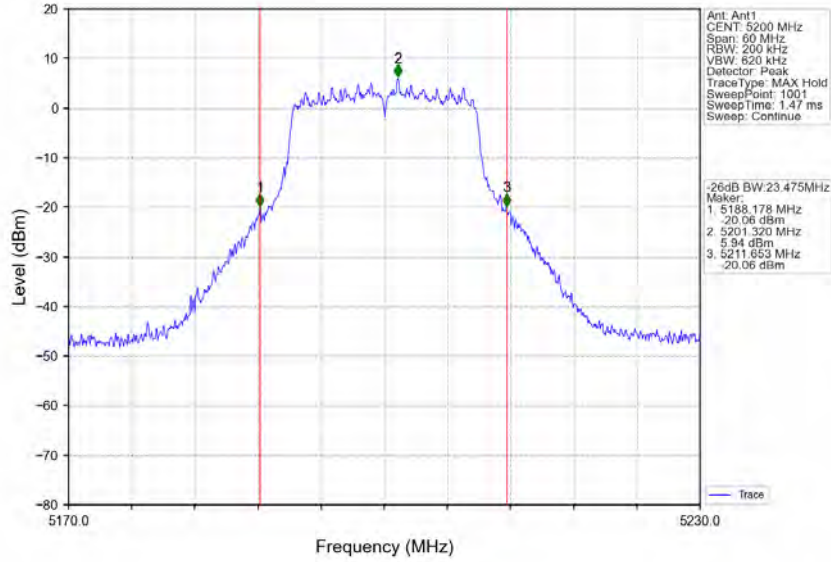
802.11a HCH 5700MHz Ant1 NTV



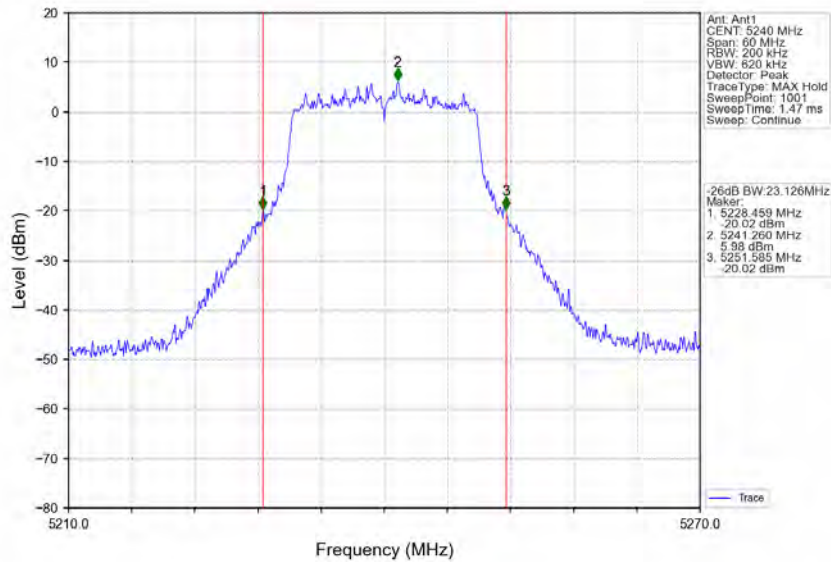
802.11n(HT20) LCH 5180MHz Ant1 NTV



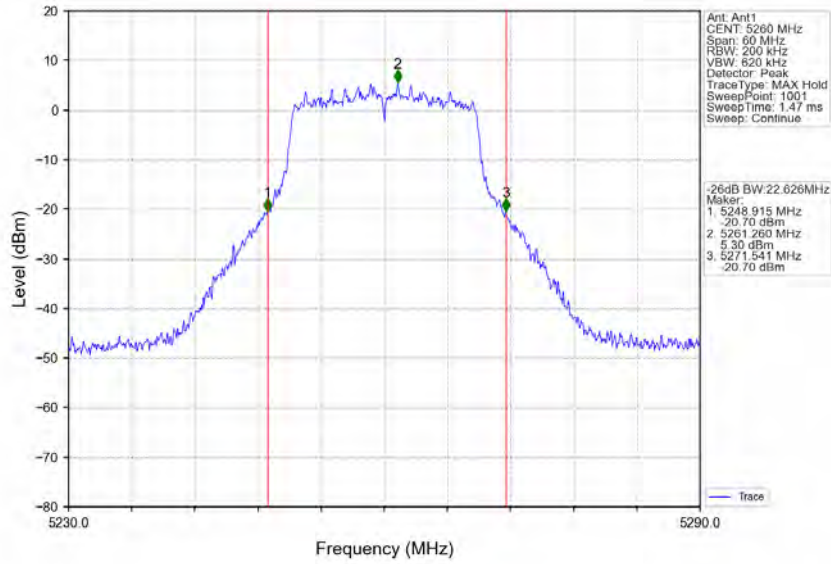
802.11n(HT20) MCH 5200MHz Ant1 NTN



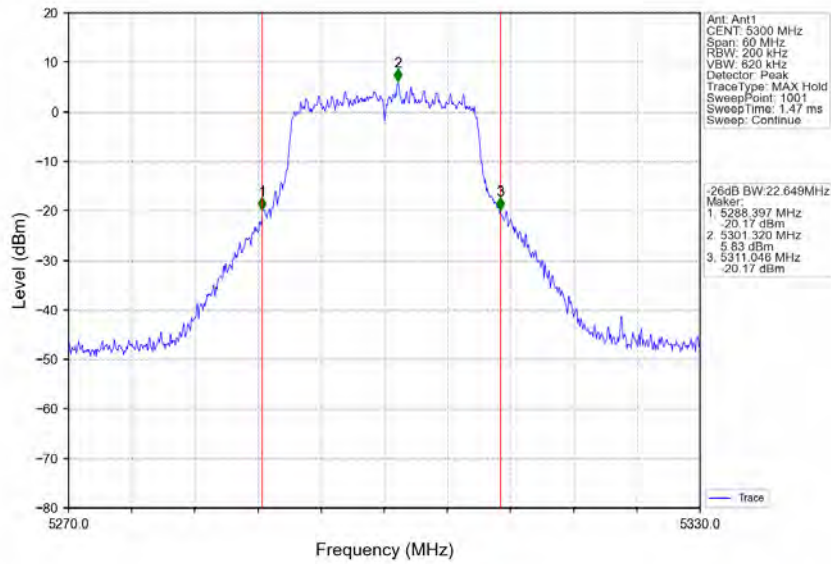
802.11n(HT20) HCH 5240MHz Ant1 NTN



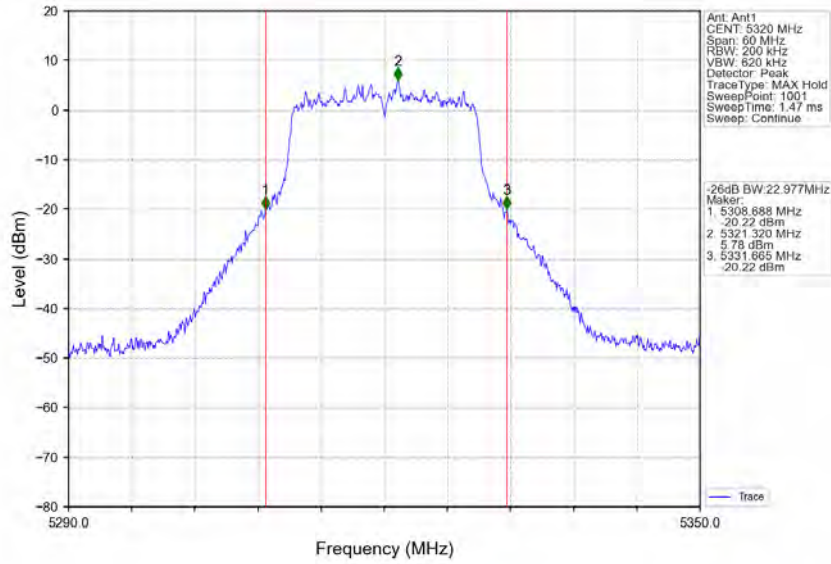
802.11n(HT20) LCH 5260MHz Ant1 NTVN



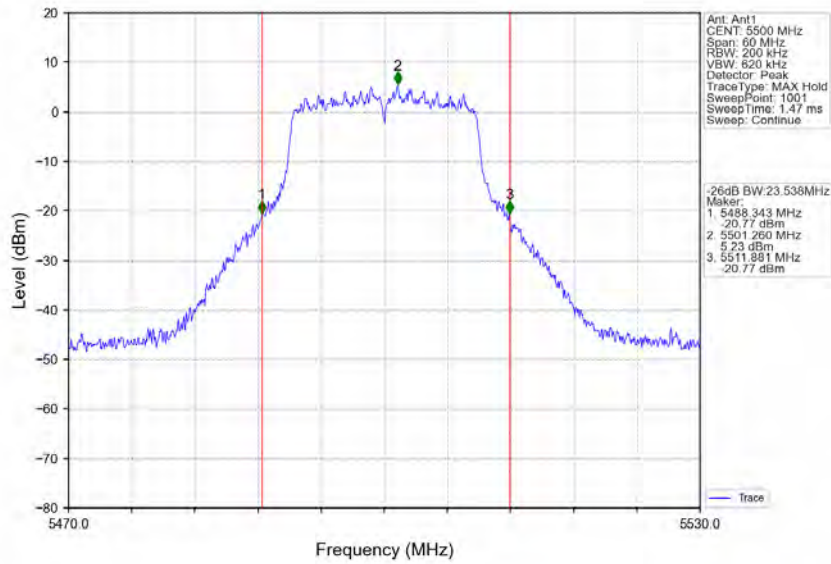
802.11n(HT20) MCH 5300MHz Ant1 NTVN



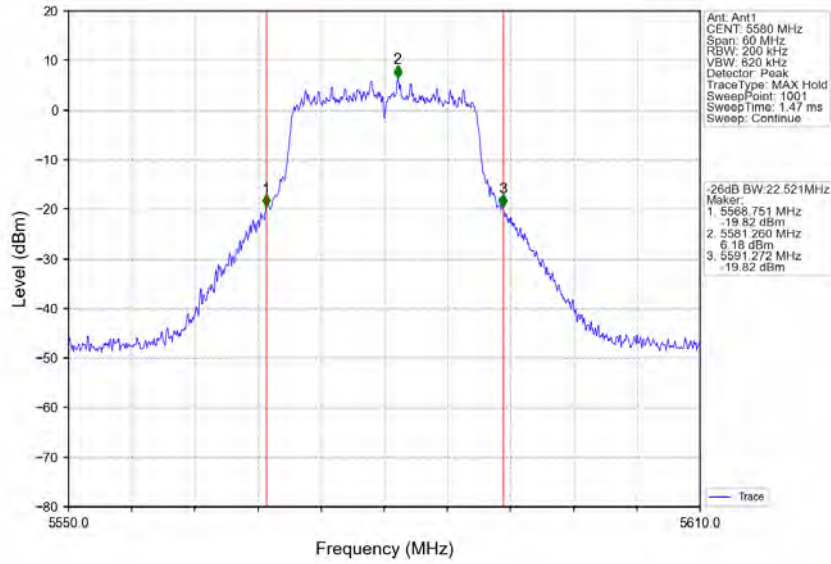
802.11n(HT20) HCH 5320MHz Ant1 NTVN



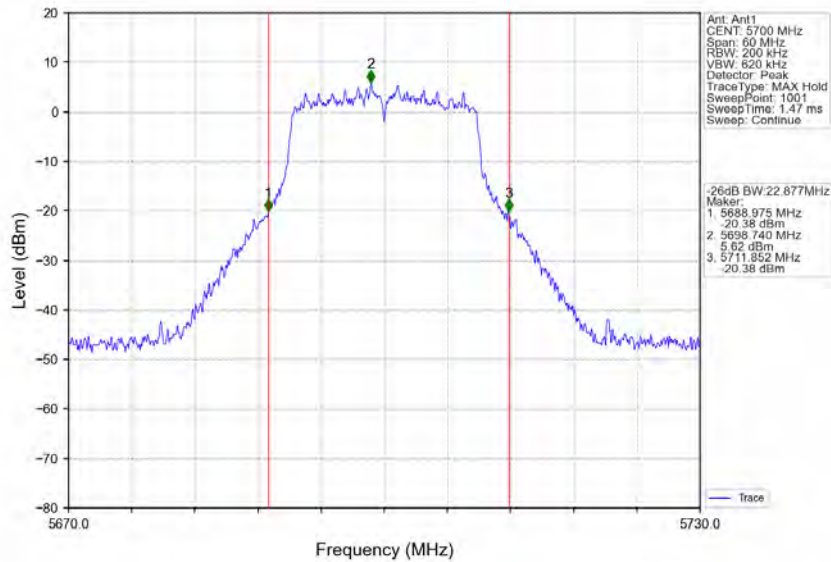
802.11n(HT20) LCH 5500MHz Ant1 NTVN



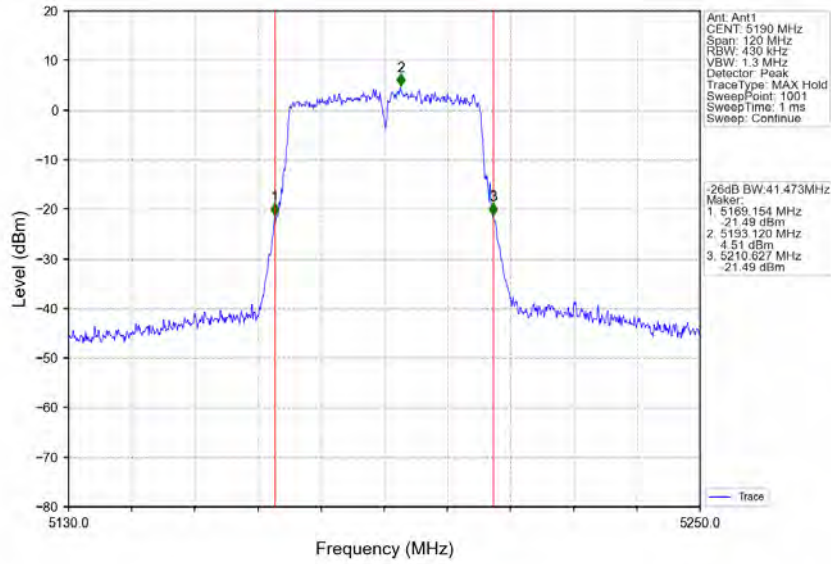
802.11n(HT20) MCH 5580MHz Ant1 NTN



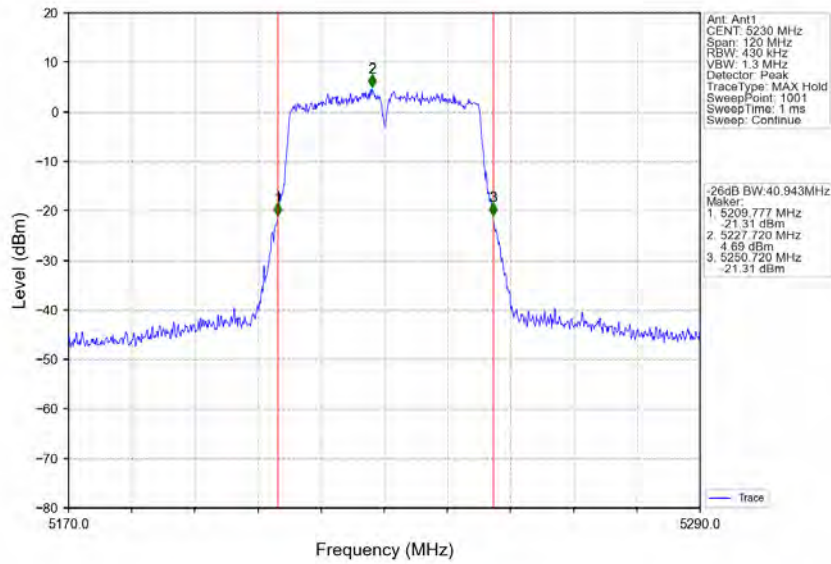
802.11n(HT20) HCH 5700MHz Ant1 NTN



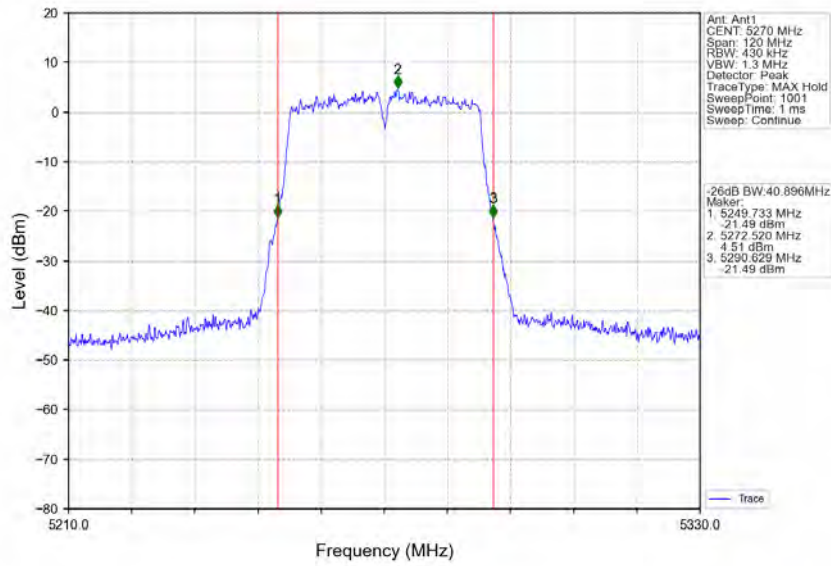
802.11n(HT40) LCH 5190MHz Ant1_NTNV



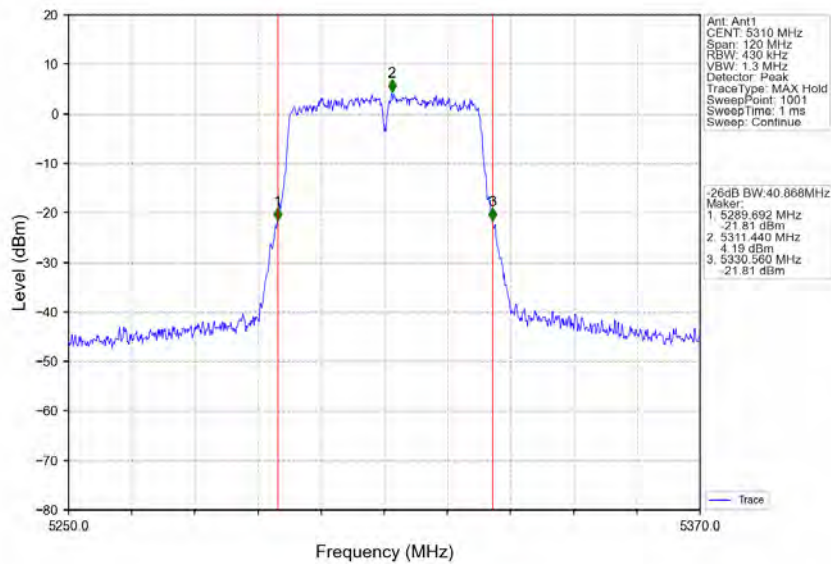
802.11n(HT40) HCH 5230MHz Ant1_NTNV



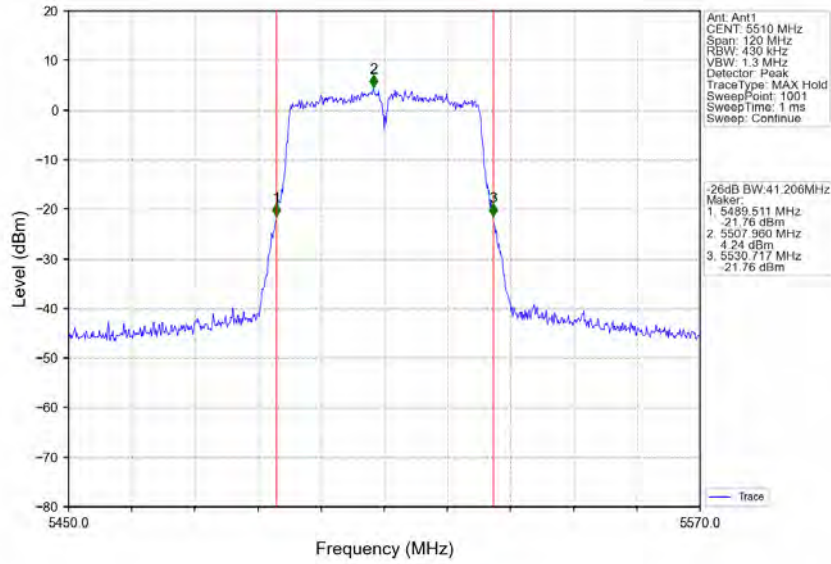
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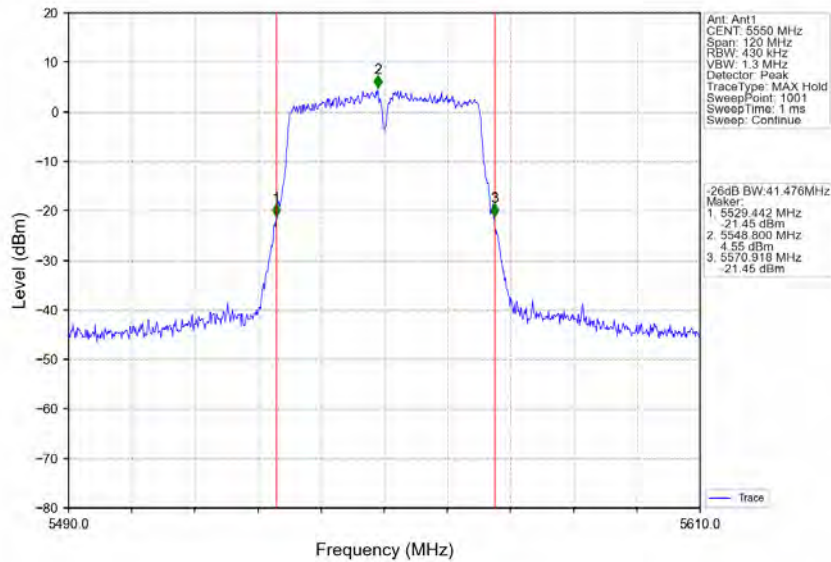
802.11n(HT40) HCH 5310MHz Ant1_NTNV



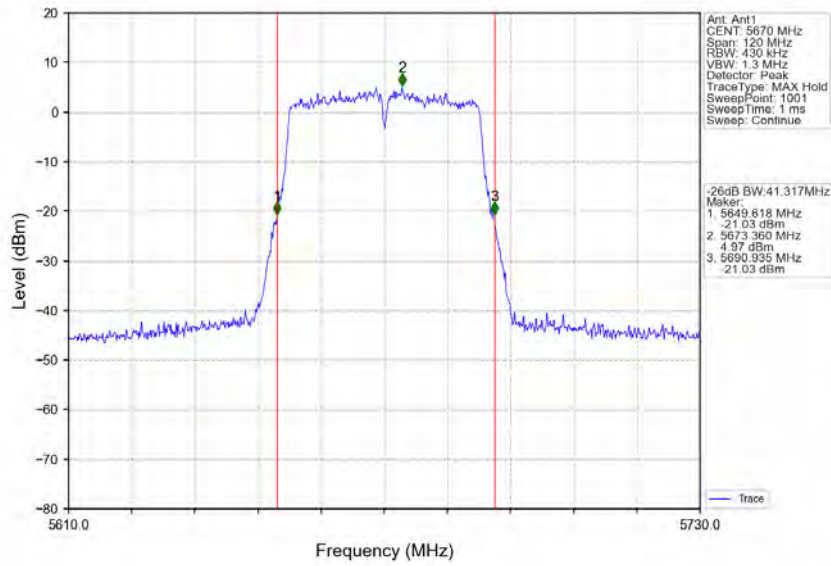
802.11n(HT40) LCH_5510MHz_Ant1_NTNV



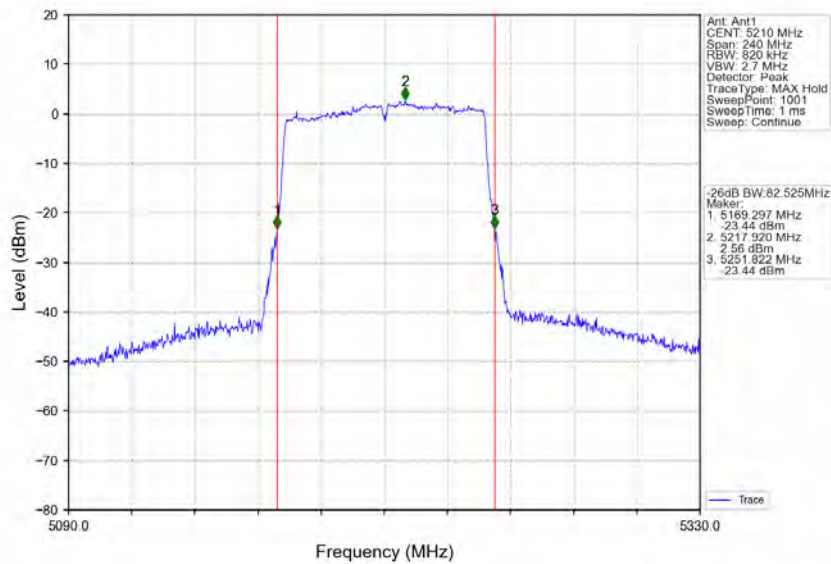
802.11n(HT40) MCH_5550MHz_Ant1_NTNV



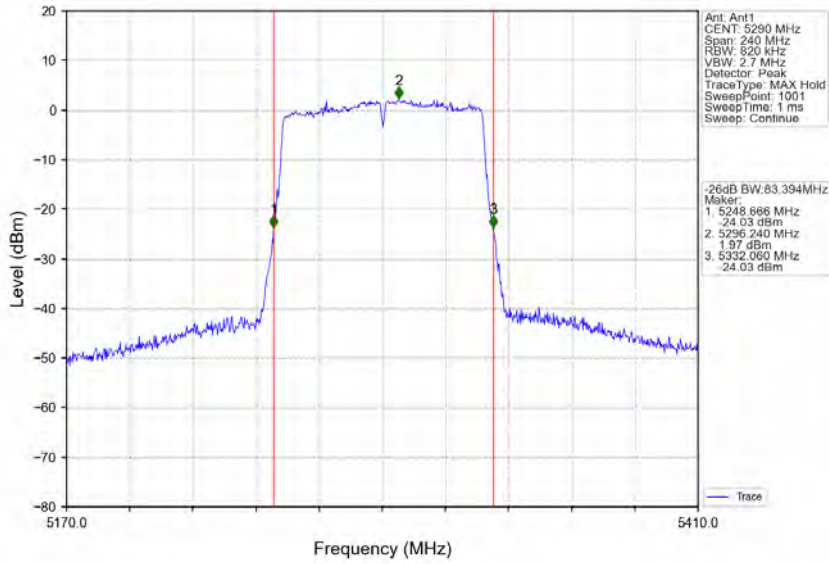
802.11n(HT40) HCH 5670MHz Ant1 NTN



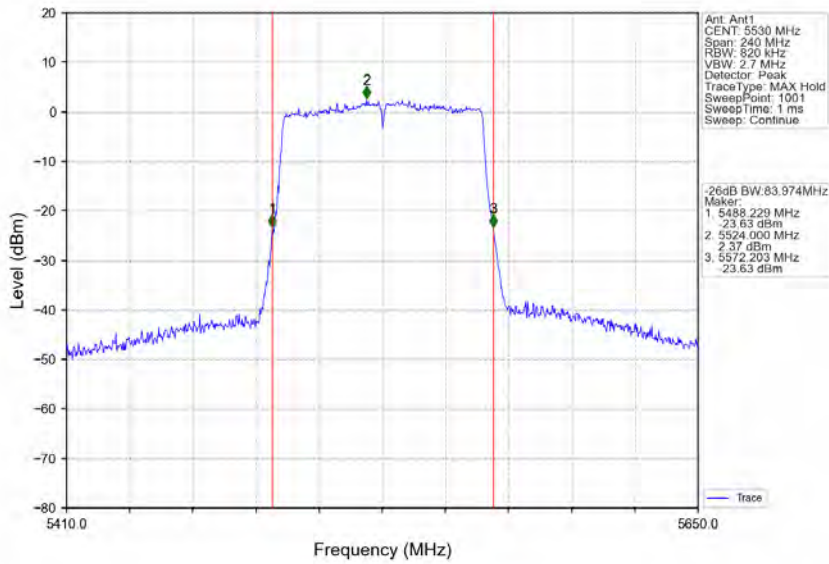
802.11ac(VHT80) MCH 5210MHz Ant1 NTN



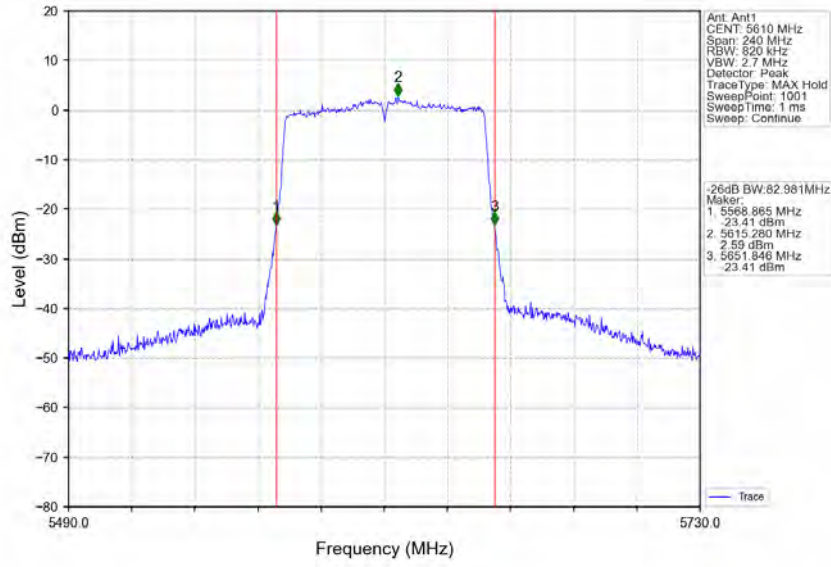
802.11ac(VHT80) MCH_5290MHz_Ant1_NTNV



802.11ac(VHT80) LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80) HCH 5610MHz Ant1 NTVN



3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	14.98	<=23.98	Pass
		5200	14.82	<=23.98	Pass
		5240	14.99	<=23.98	Pass
		5260	14.92	<=23.98	Pass
		5300	15.22	<=23.98	Pass
		5320	15.02	<=23.98	Pass
		5500	14.88	<=23.98	Pass
		5580	14.94	<=23.98	Pass
		5700	14.81	<=23.98	Pass
		5745	15.02	<=30	Pass
		5785	15.11	<=30	Pass
		5825	15.25	<=30	Pass
802.11n (HT20)	SISO	5180	14.03	<=23.98	Pass
		5200	14.04	<=23.98	Pass
		5240	14.13	<=23.98	Pass
		5260	13.95	<=23.98	Pass
		5300	13.90	<=23.98	Pass
		5320	13.98	<=23.98	Pass
		5500	13.83	<=23.98	Pass
		5580	14.25	<=23.98	Pass
		5700	14.04	<=23.98	Pass
		5745	14.08	<=30	Pass
		5785	14.04	<=30	Pass
		5825	13.83	<=30	Pass
802.11n (HT40)	SISO	5190	14.22	<=23.98	Pass
		5230	14.27	<=23.98	Pass
		5270	14.02	<=23.98	Pass
		5310	14.13	<=23.98	Pass
		5510	14.03	<=23.98	Pass
		5550	14.25	<=23.98	Pass
		5670	14.37	<=23.98	Pass
		5755	14.01	<=30	Pass
		5795	13.99	<=30	Pass
802.11ac (VHT80)	SISO	5210	12.44	<=23.98	Pass
		5290	12.35	<=23.98	Pass
		5530	12.33	<=23.98	Pass
		5610	12.23	<=23.98	Pass
		5775	12.51	<=30	Pass

Note1: Antenna Gain: Ant1: U-NII-1:1.98dBi, U-NII-2A:2.07dBi, U-NII-2C:2.08dBi, U-NII-3:2.12dBi;

3.2 EIRP

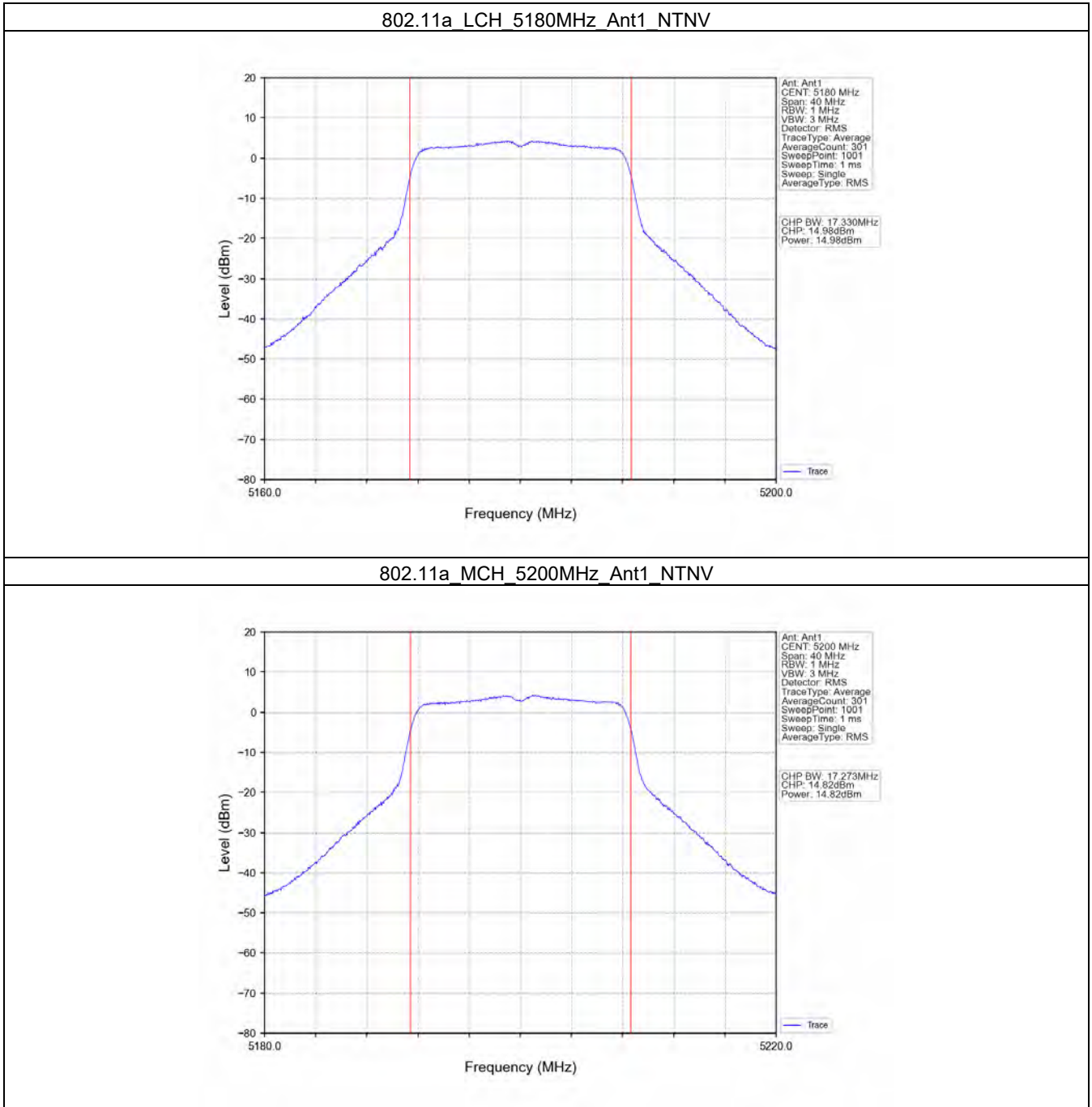
3.2.1 Test Result

Mode	TX Type	Frequency (MHz)	E.I.R.P (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	16.96	<=22.39	Pass
		5200	16.80	<=22.37	Pass
		5240	16.97	<=22.39	Pass
		5260	16.99	<=29.4	Pass
		5300	17.29	<=29.4	Pass
		5320	17.09	<=29.39	Pass
		5500	16.96	<=29.4	Pass
		5580	17.02	<=29.39	Pass
		5700	16.89	<=29.4	Pass
		5745	17.14	/	Pass
		5785	17.23	/	Pass
		5825	17.37	/	Pass
802.11n (HT20)	SISO	5180	16.01	<=22.67	Pass
		5200	16.02	<=22.66	Pass
		5240	16.11	<=22.67	Pass
		5260	16.02	<=29.66	Pass
		5300	15.97	<=29.67	Pass
		5320	16.05	<=29.66	Pass
		5500	15.91	<=29.67	Pass
		5580	16.33	<=29.66	Pass
		5700	16.12	<=29.66	Pass
		5745	16.20	/	Pass
		5785	16.16	/	Pass
		5825	15.95	/	Pass
802.11n (HT40)	SISO	5190	16.20	<=23.01	Pass
		5230	16.25	<=23.01	Pass
		5270	16.09	<=30	Pass
		5310	16.20	<=30	Pass
		5510	16.11	<=30	Pass
		5550	16.33	<=30	Pass
		5670	16.45	<=30	Pass
		5755	16.13	/	Pass
		5795	16.11	/	Pass
802.11ac (VHT80)	SISO	5210	14.42	<=23.01	Pass
		5290	14.42	<=30	Pass
		5530	14.41	<=30	Pass
		5775	14.63	/	Pass

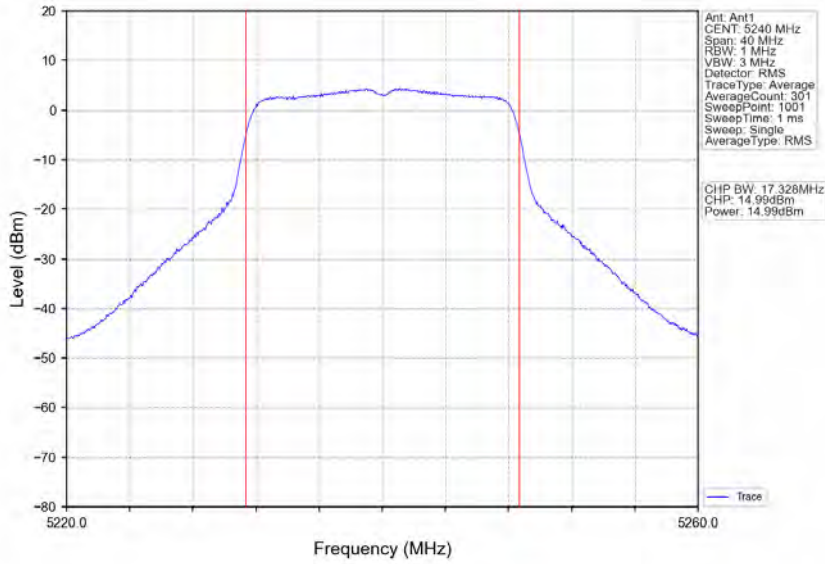
Note1: Antenna Gain: Ant1: U-NII-1:1.98dBi, U-NII-2A:2.07dBi, U-NII-2C:2.08dBi, U-NII-3:2.12dBi;

Note2: E.I.R.P = Measured Power + Antenna Gain

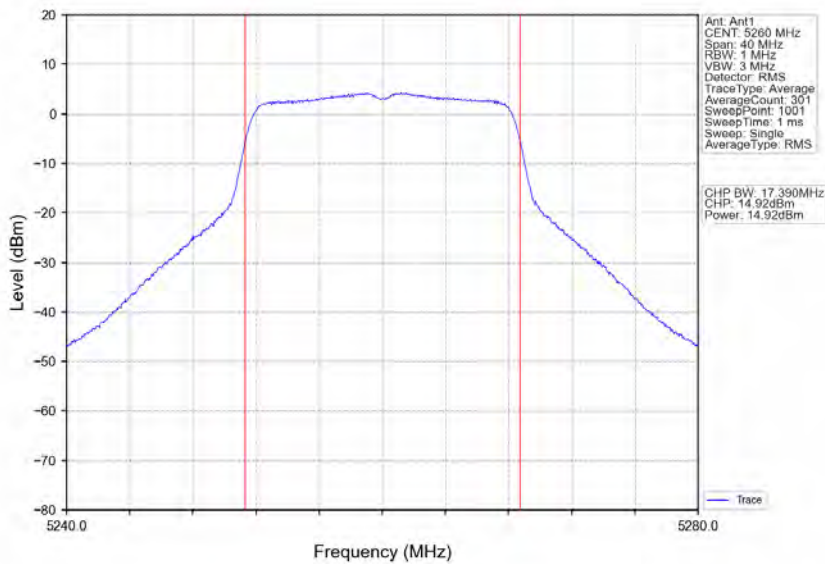
3.2.2 Test Graph



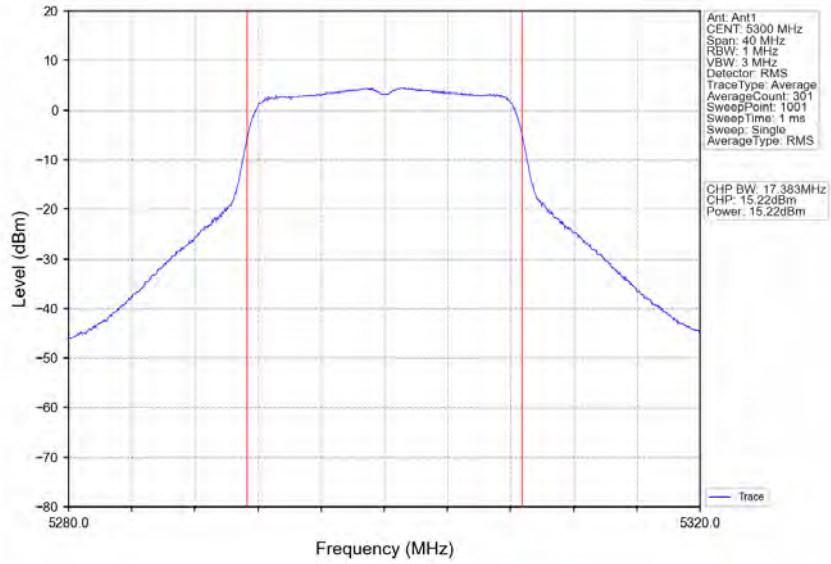
802.11a HCH 5240MHz Ant1 NTV



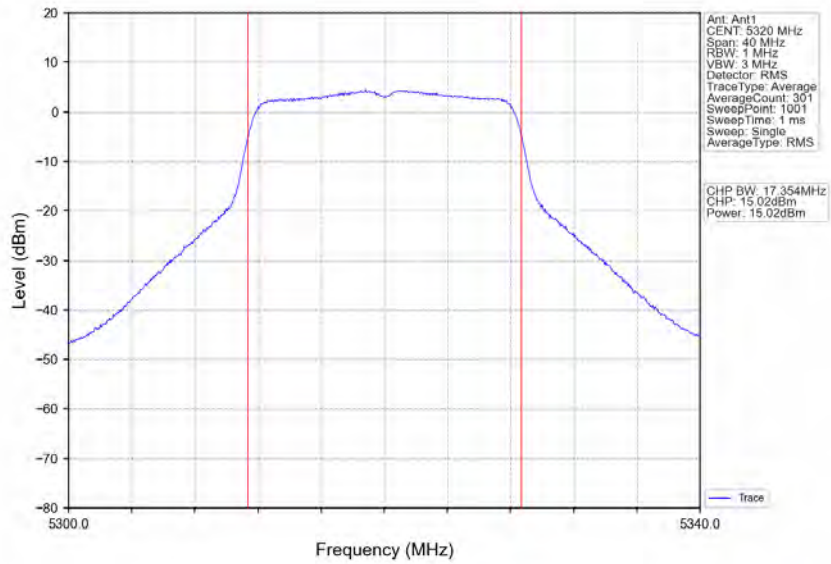
802.11a LCH 5260MHz Ant1 NTV



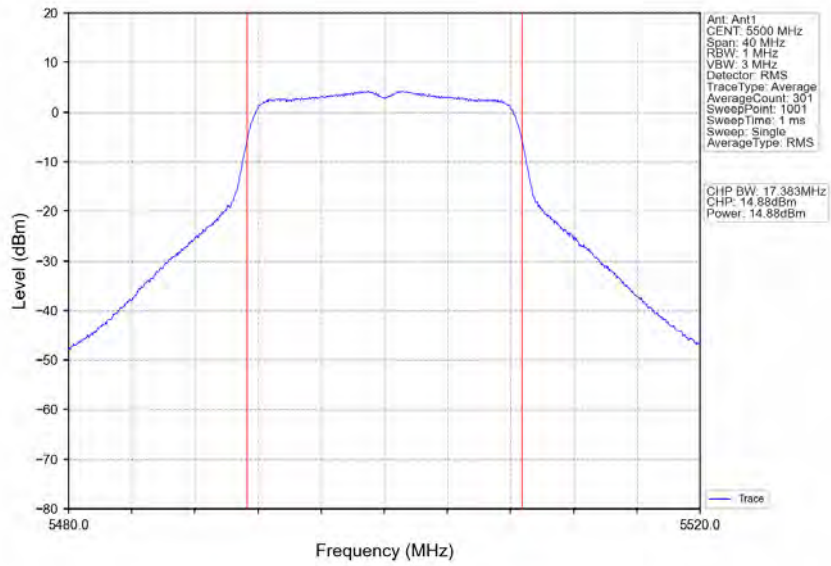
802.11a MCH 5300MHz Ant1 NTV



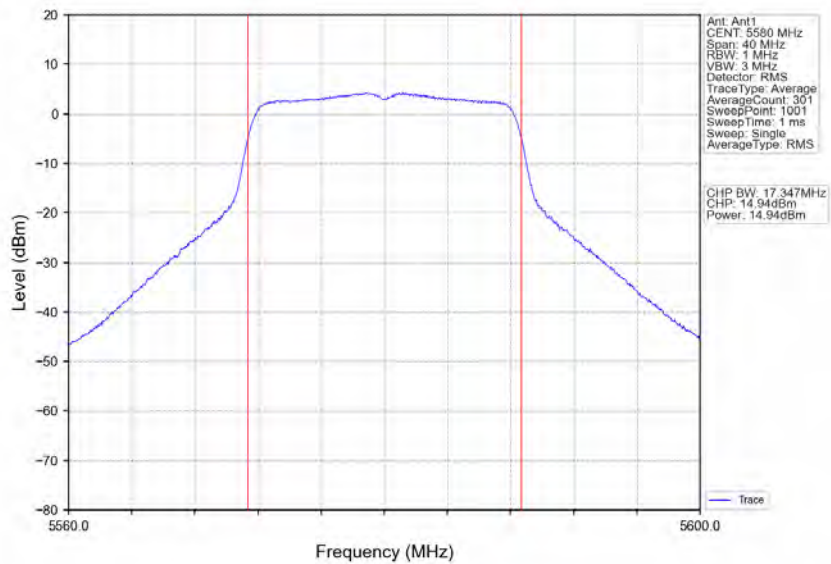
802.11a HCH 5320MHz Ant1 NTV



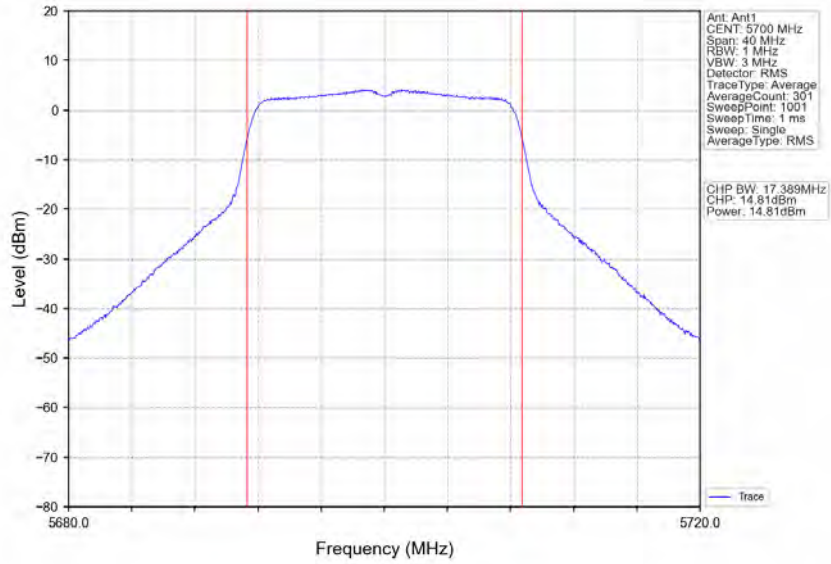
802.11a LCH 5500MHz Ant1 NTV



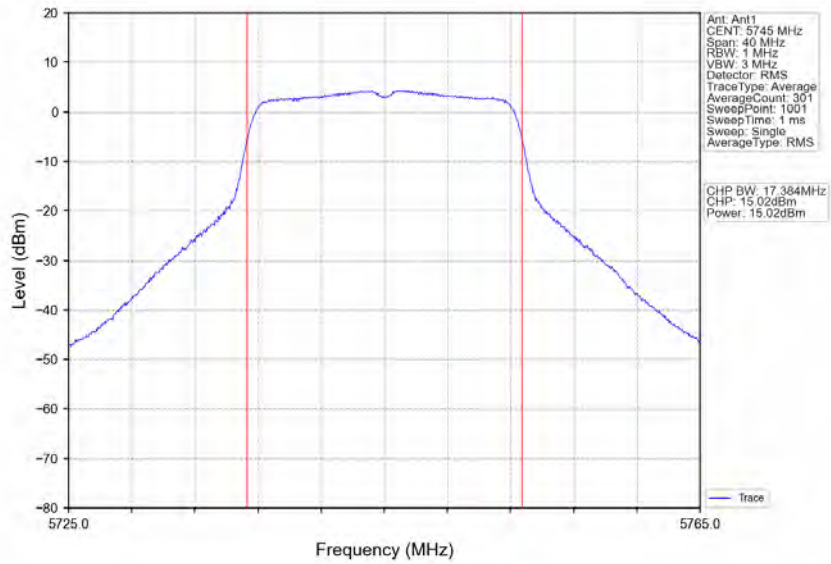
802.11a MCH 5580MHz Ant1 NTV



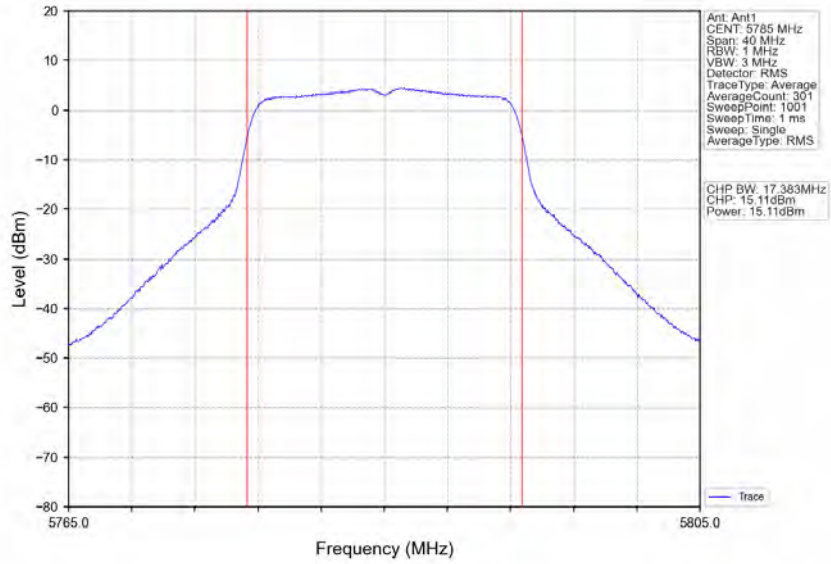
802.11a HCH 5700MHz Ant1 NTV



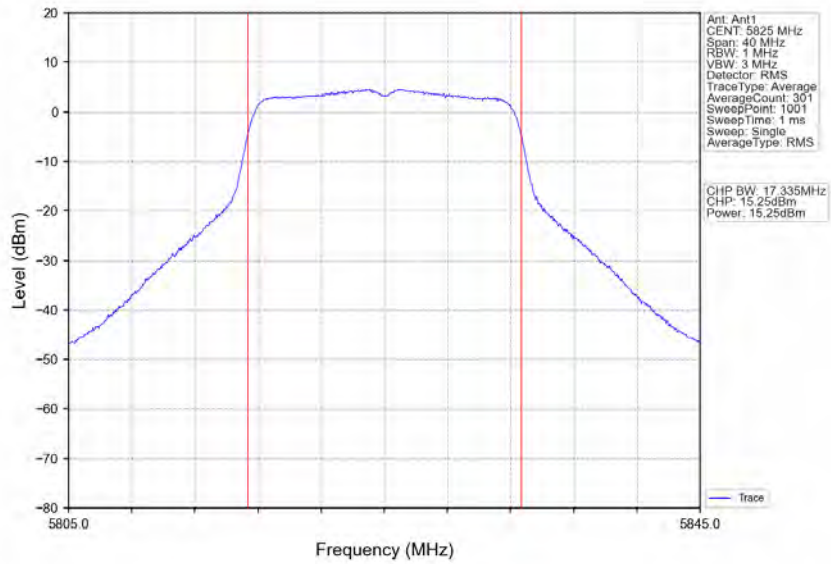
802.11a LCH 5745MHz Ant1 NTV



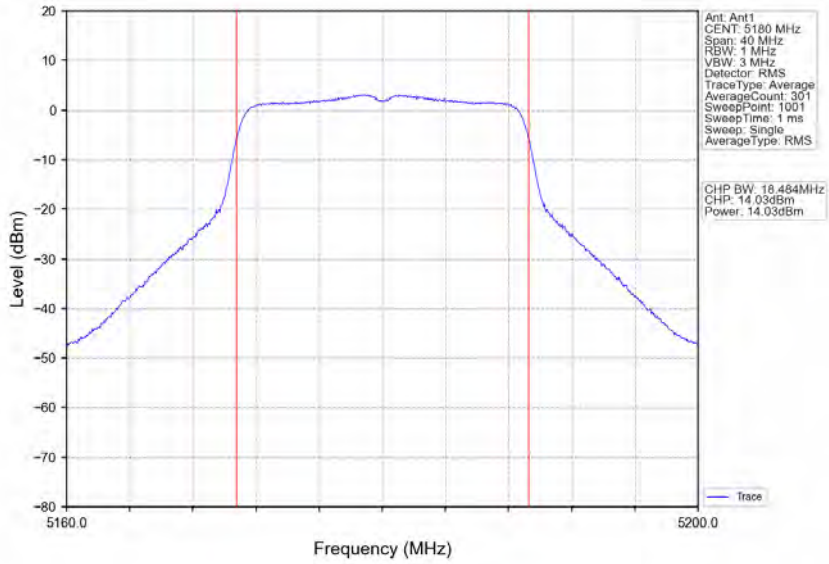
802.11a MCH 5785MHz Ant1 NTV



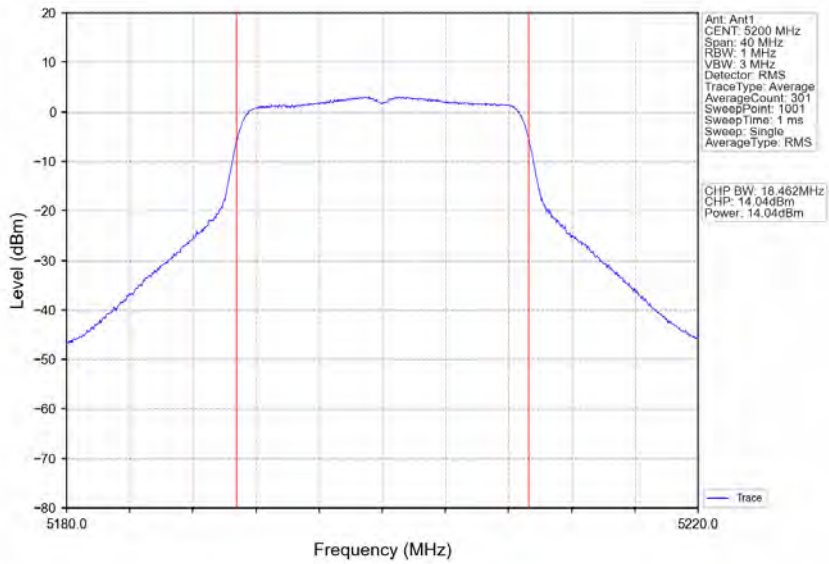
802.11a HCH 5825MHz Ant1 NTV



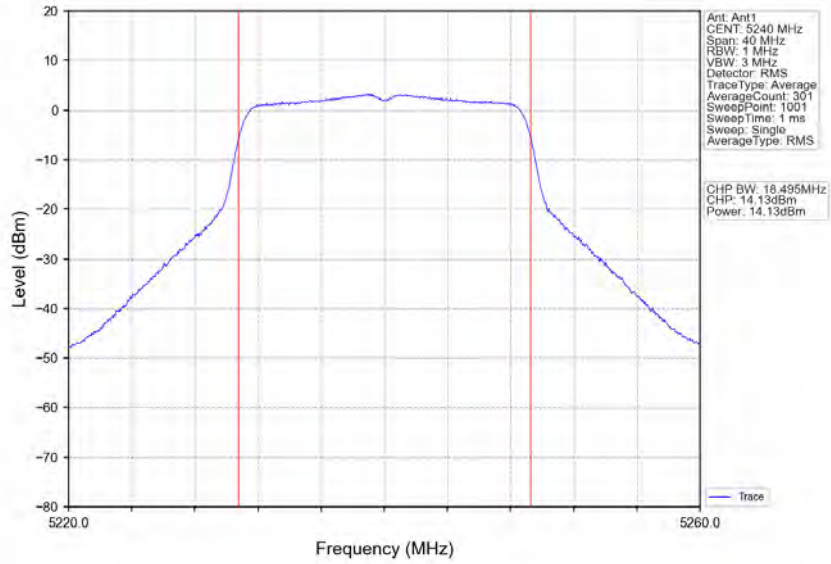
802.11n(HT20) LCH 5180MHz Ant1_NTNV



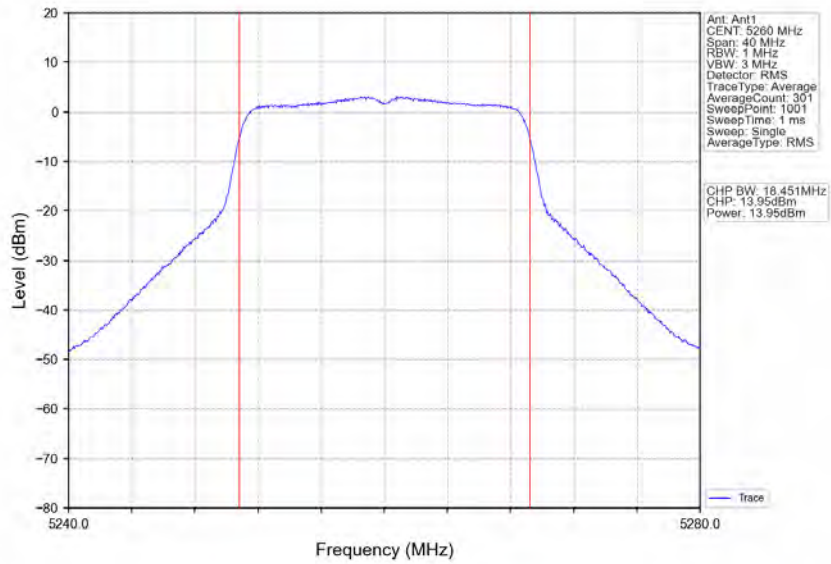
802.11n(HT20) MCH 5200MHz Ant1_NTNV



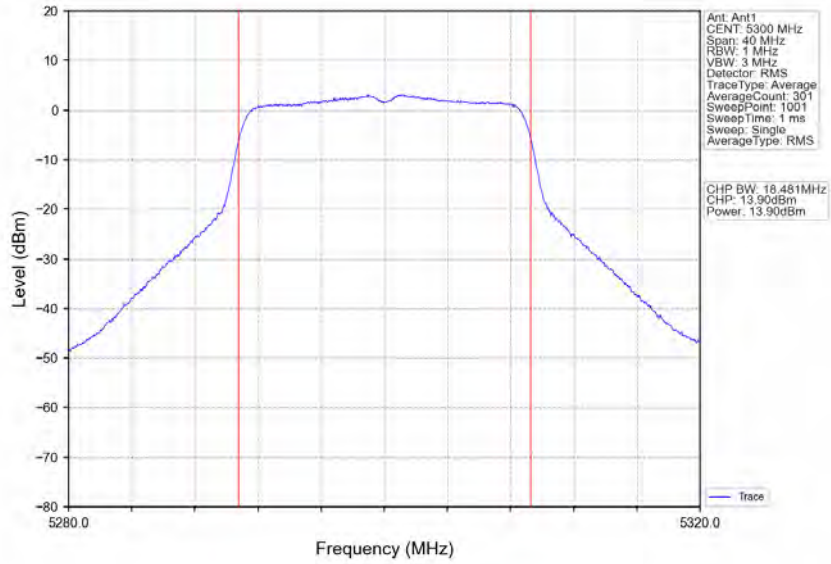
802.11n(HT20) HCH 5240MHz Ant1 NTV



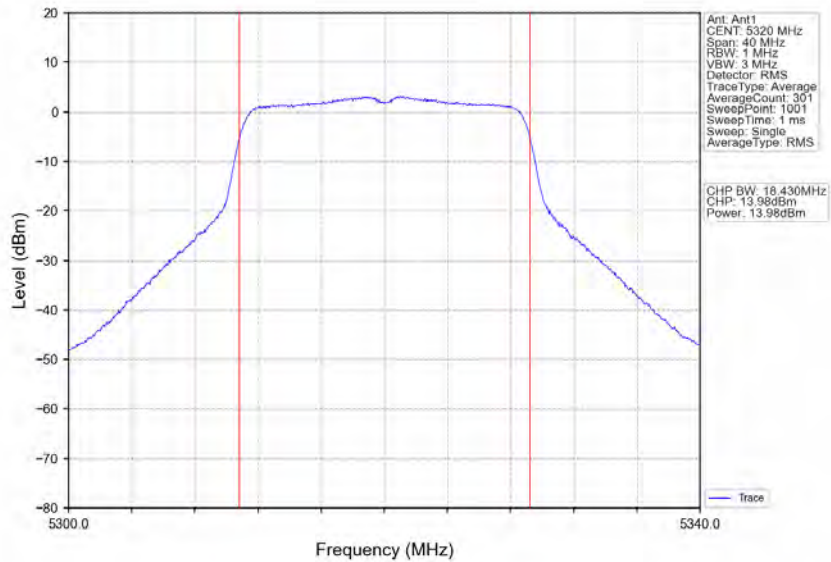
802.11n(HT20) LCH 5260MHz Ant1 NTV



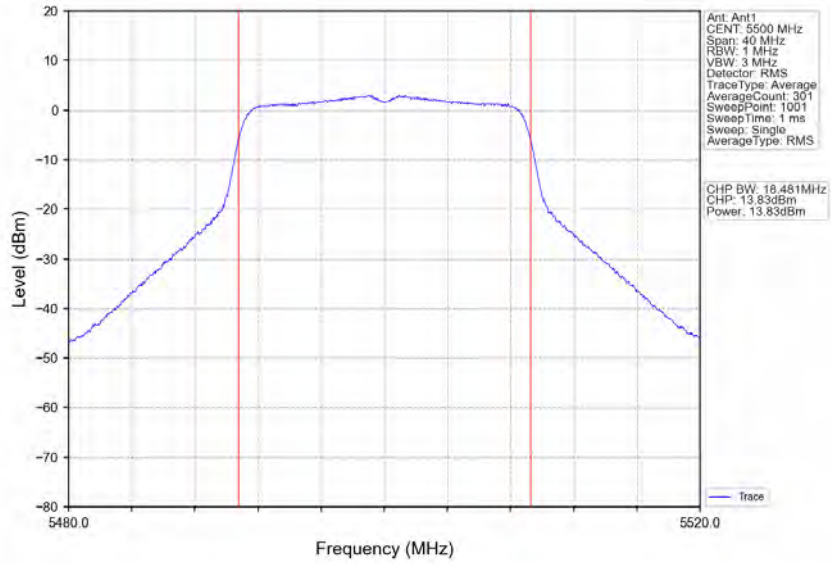
802.11n(HT20) MCH 5300MHz Ant1 NTN



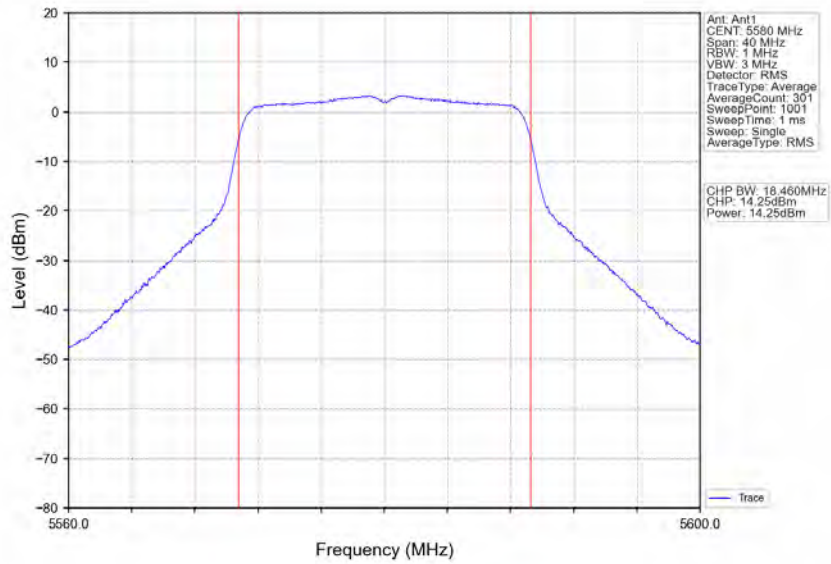
802.11n(HT20) HCH 5320MHz Ant1 NTN



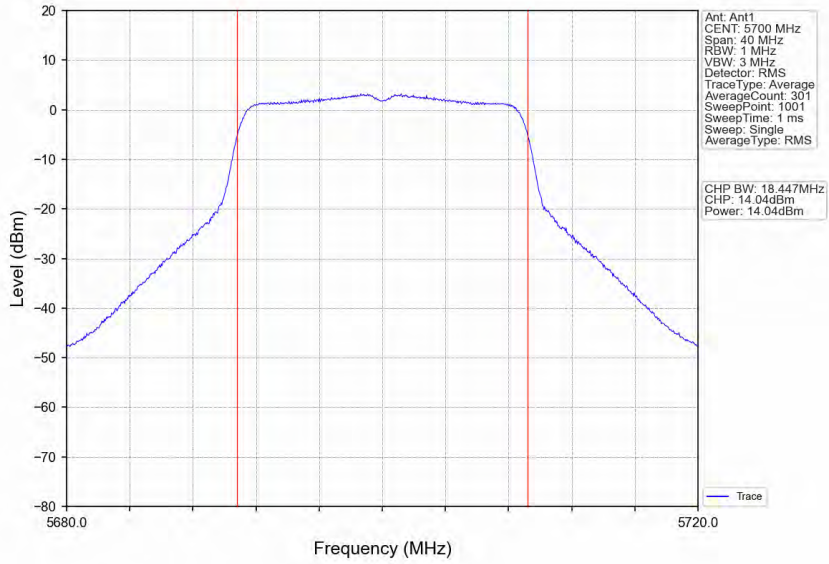
802.11n(HT20) LCH 5500MHz Ant1 NTN



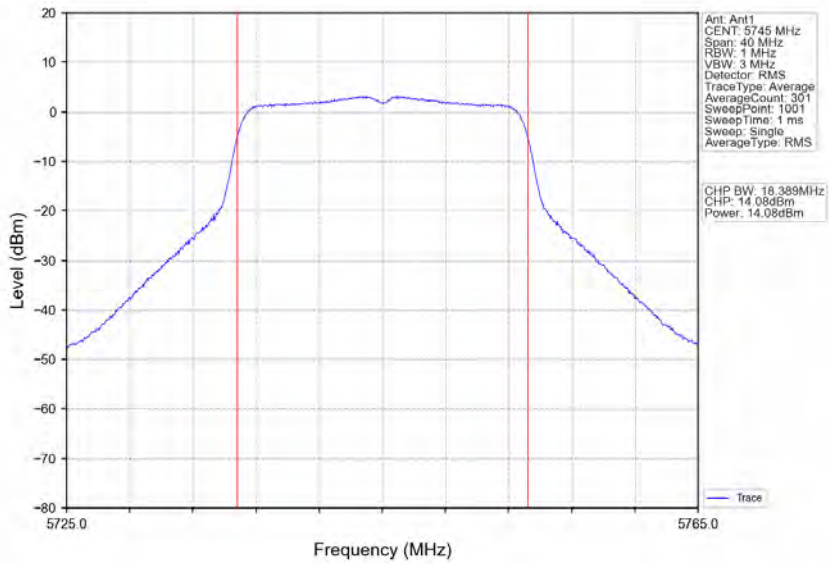
802.11n(HT20) MCH 5580MHz Ant1 NTN



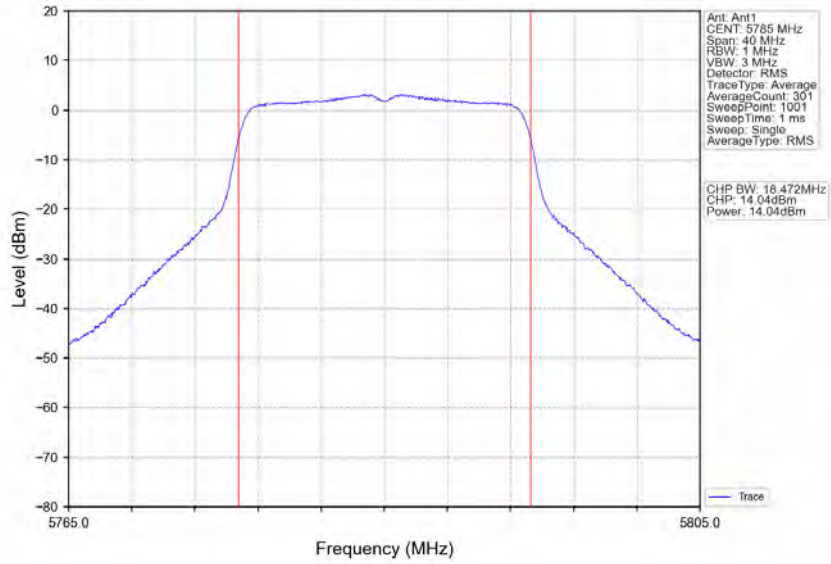
802.11n(HT20) HCH 5700MHz Ant1 NTN



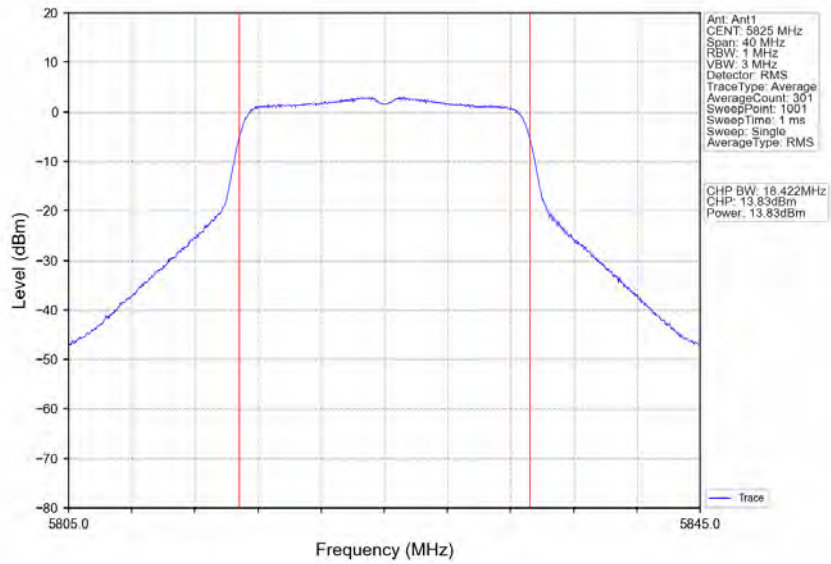
802.11n(HT20) LCH 5745MHz Ant1 NTN



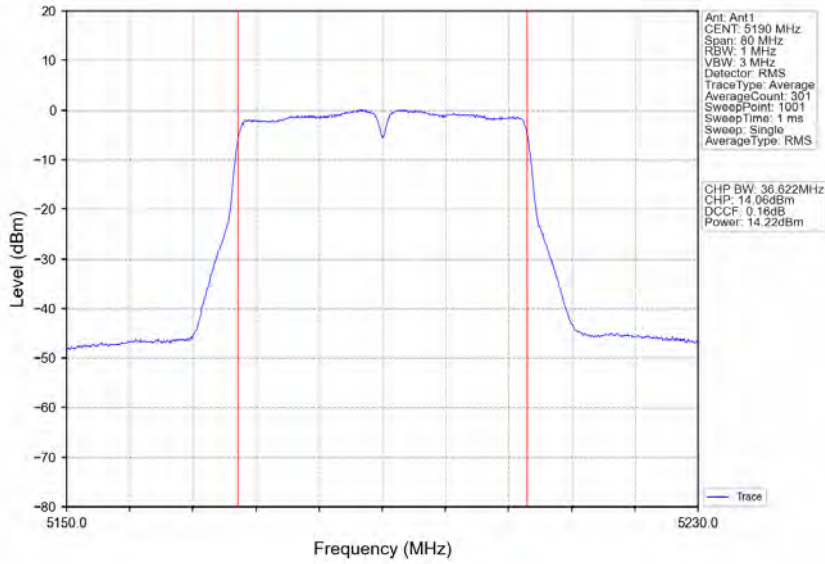
802.11n(HT20) MCH 5785MHz Ant1 NTN



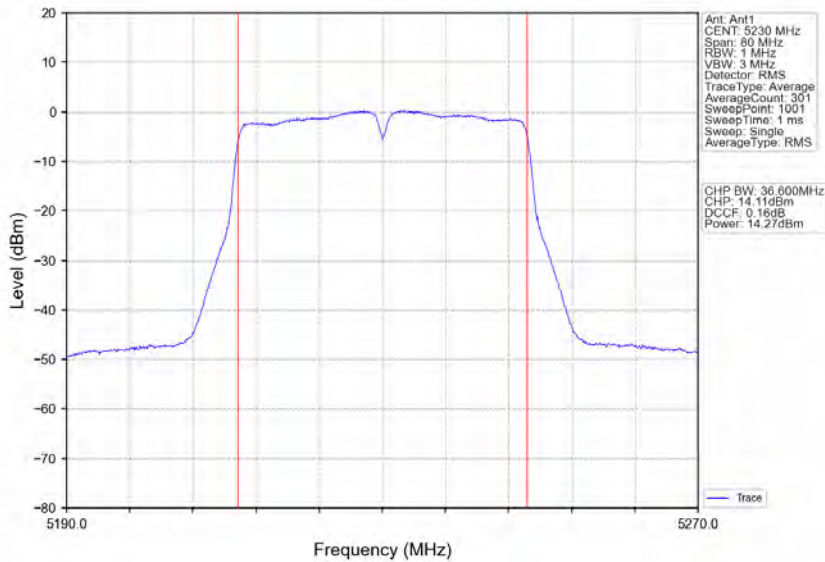
802.11n(HT20) HCH 5825MHz Ant1 NTN



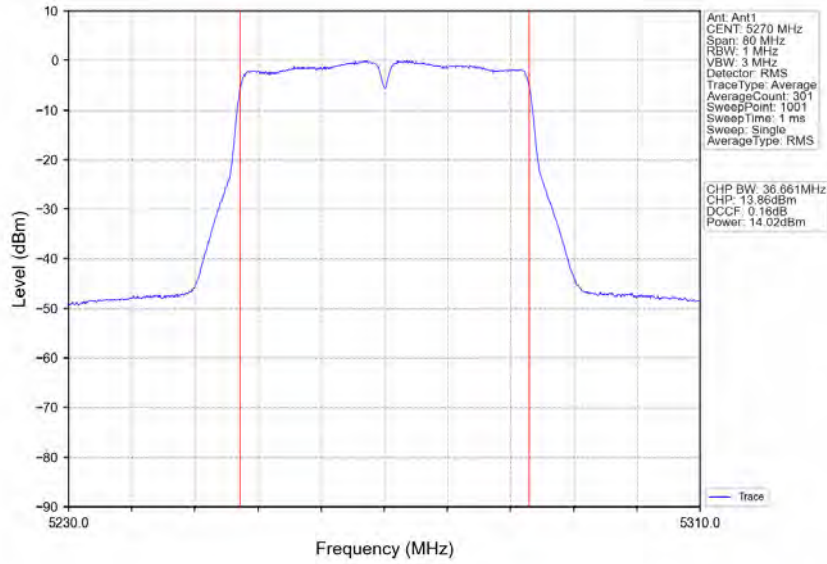
802.11n(HT40) LCH 5190MHz Ant1_NTNV



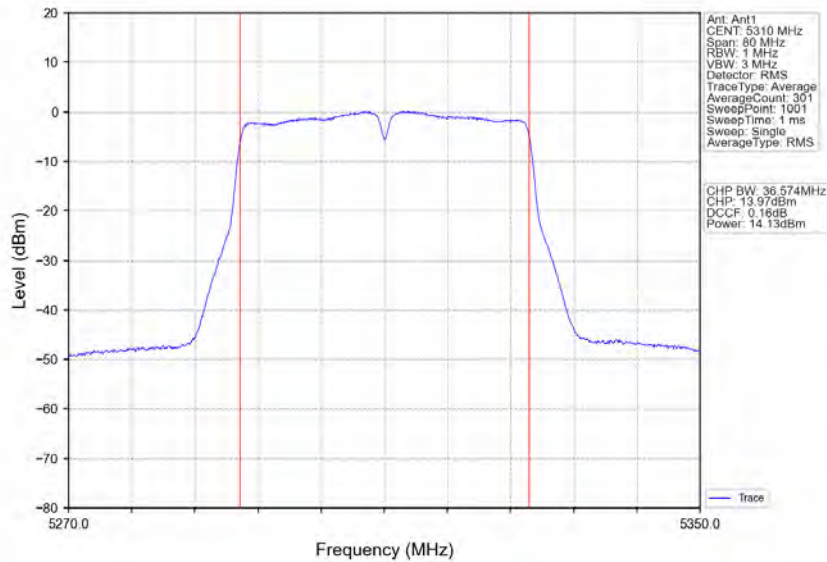
802.11n(HT40) HCH 5230MHz Ant1_NTNV



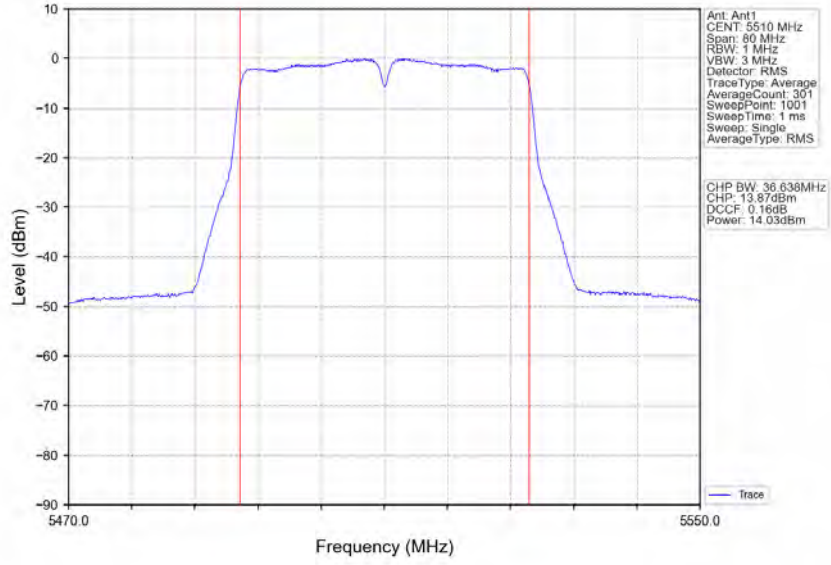
802.11n(HT40) LCH 5270MHz Ant1_NTNV



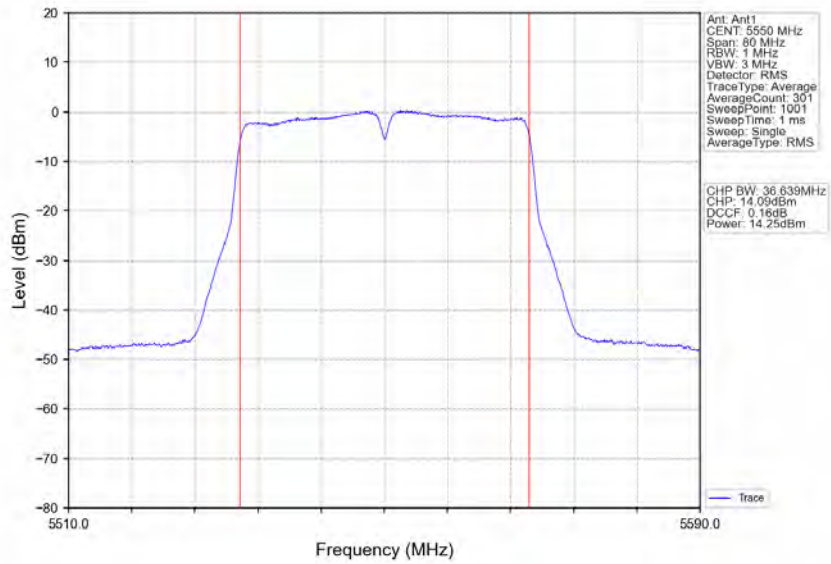
802.11n(HT40) HCH 5310MHz Ant1_NTNV



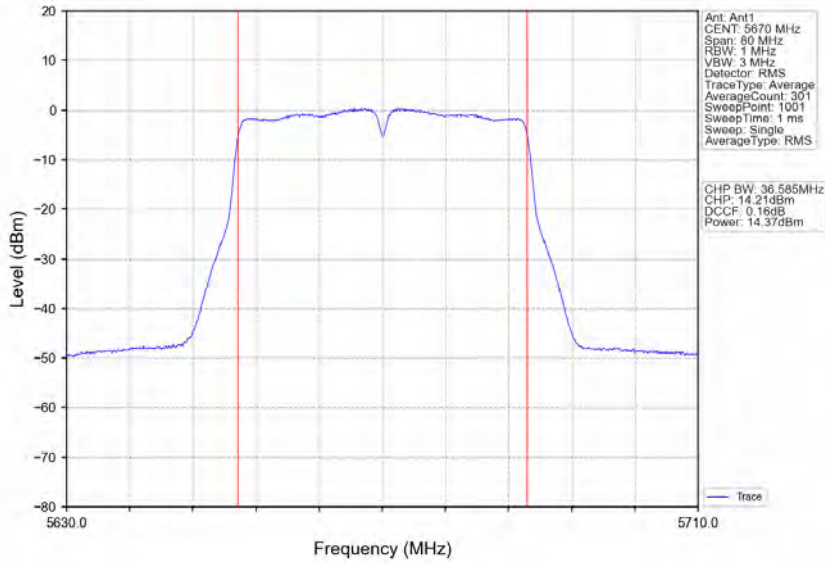
802.11n(HT40) LCH 5510MHz Ant1 NTVN



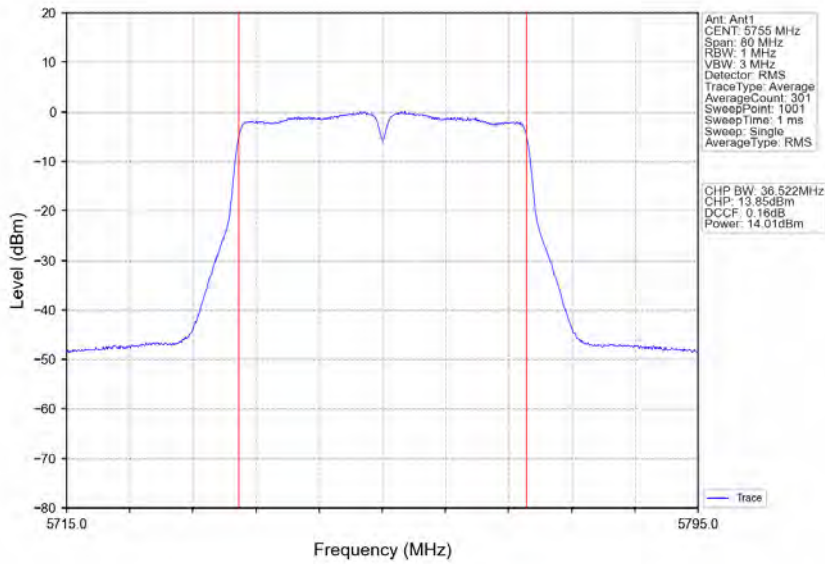
802.11n(HT40) MCH 5550MHz Ant1 NTVN



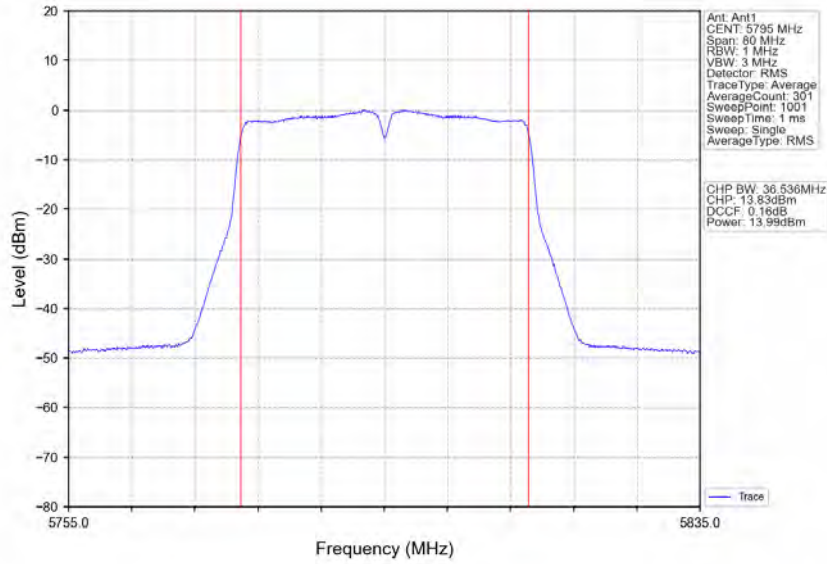
802.11n(HT40) HCH 5670MHz Ant1 NTV



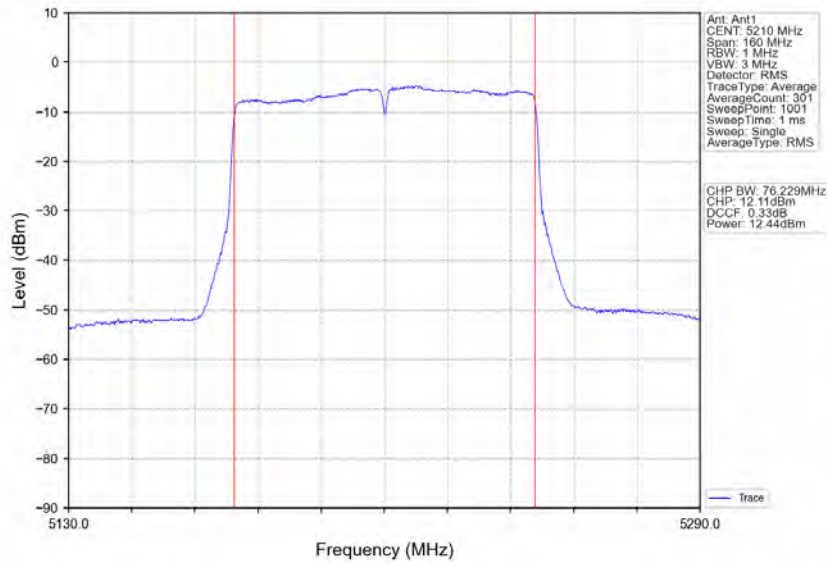
802.11n(HT40) LCH 5755MHz Ant1 NTV



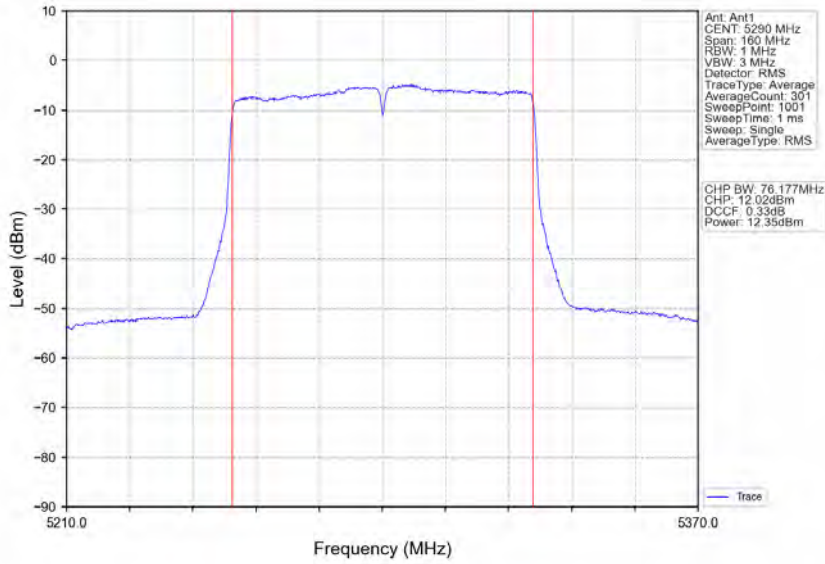
802.11n(HT40) HCH 5795MHz Ant1 NTN



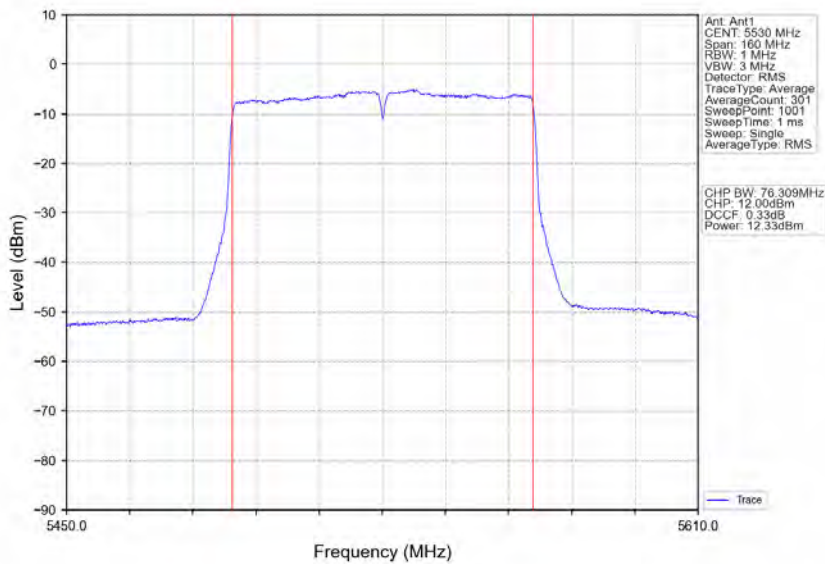
802.11ac(VHT80) MCH 5210MHz Ant1 NTN



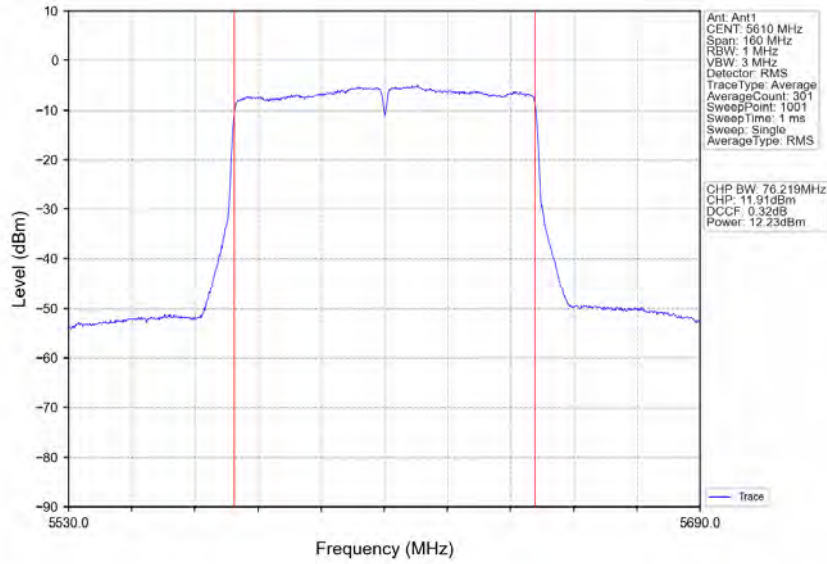
802.11ac(VHT80) MCH 5290MHz Ant1 NTN



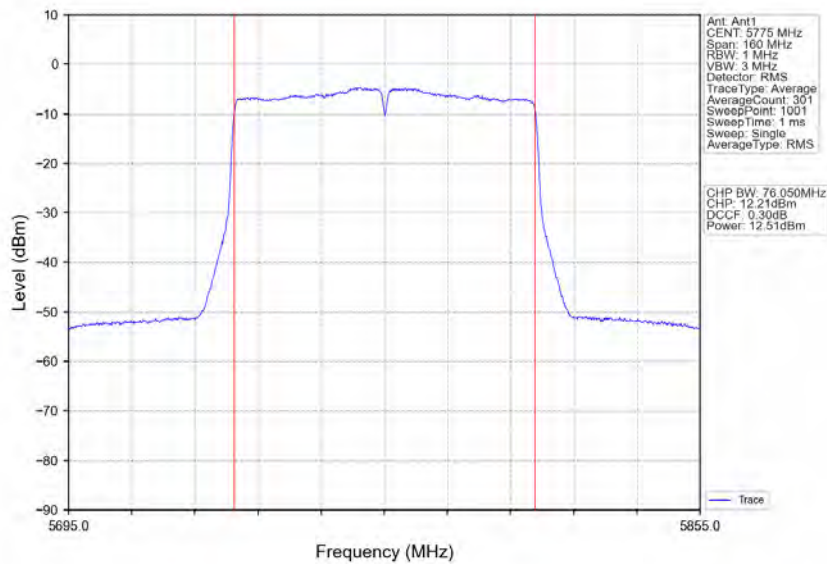
802.11ac(VHT80) LCH 5530MHz Ant1 NTN



802.11ac(VHT80) HCH 5610MHz Ant1 NTN



802.11ac(VHT80) MCH 5775MHz Ant1 NTN



4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	4.51	<=11	Pass
		5200	4.15	<=11	Pass
		5240	4.45	<=11	Pass
		5260	4.32	<=11	Pass
		5300	4.68	<=11	Pass
		5320	4.39	<=11	Pass
		5500	4.26	<=11	Pass
		5580	4.40	<=11	Pass
802.11n (HT20)	SISO	5700	4.21	<=11	Pass
		5180	3.28	<=11	Pass
		5200	3.05	<=11	Pass
		5240	3.24	<=11	Pass
		5260	2.99	<=11	Pass
		5300	3.15	<=11	Pass
		5320	3.06	<=11	Pass
		5500	3.00	<=11	Pass
802.11n (HT40)	SISO	5580	3.38	<=11	Pass
		5700	3.31	<=11	Pass
		5190	0.29	<=11	Pass
		5230	0.65	<=11	Pass
		5270	0.09	<=11	Pass
		5310	0.31	<=11	Pass
		5510	0.37	<=11	Pass
802.11ac (VHT80)	SISO	5550	0.33	<=11	Pass
		5670	0.49	<=11	Pass
		5210	-4.40	<=11	Pass
		5290	-4.61	<=11	Pass
		5530	-4.80	<=11	Pass
		5610	-4.85	<=11	Pass

Note1: Antenna Gain: Ant1: U-NII-1:1.98dBi, U-NII-2A:2.07dBi, U-NII-2C:2.08dBi, U-NII-3:2.12dBi;



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4.2 E.I.R.PSD

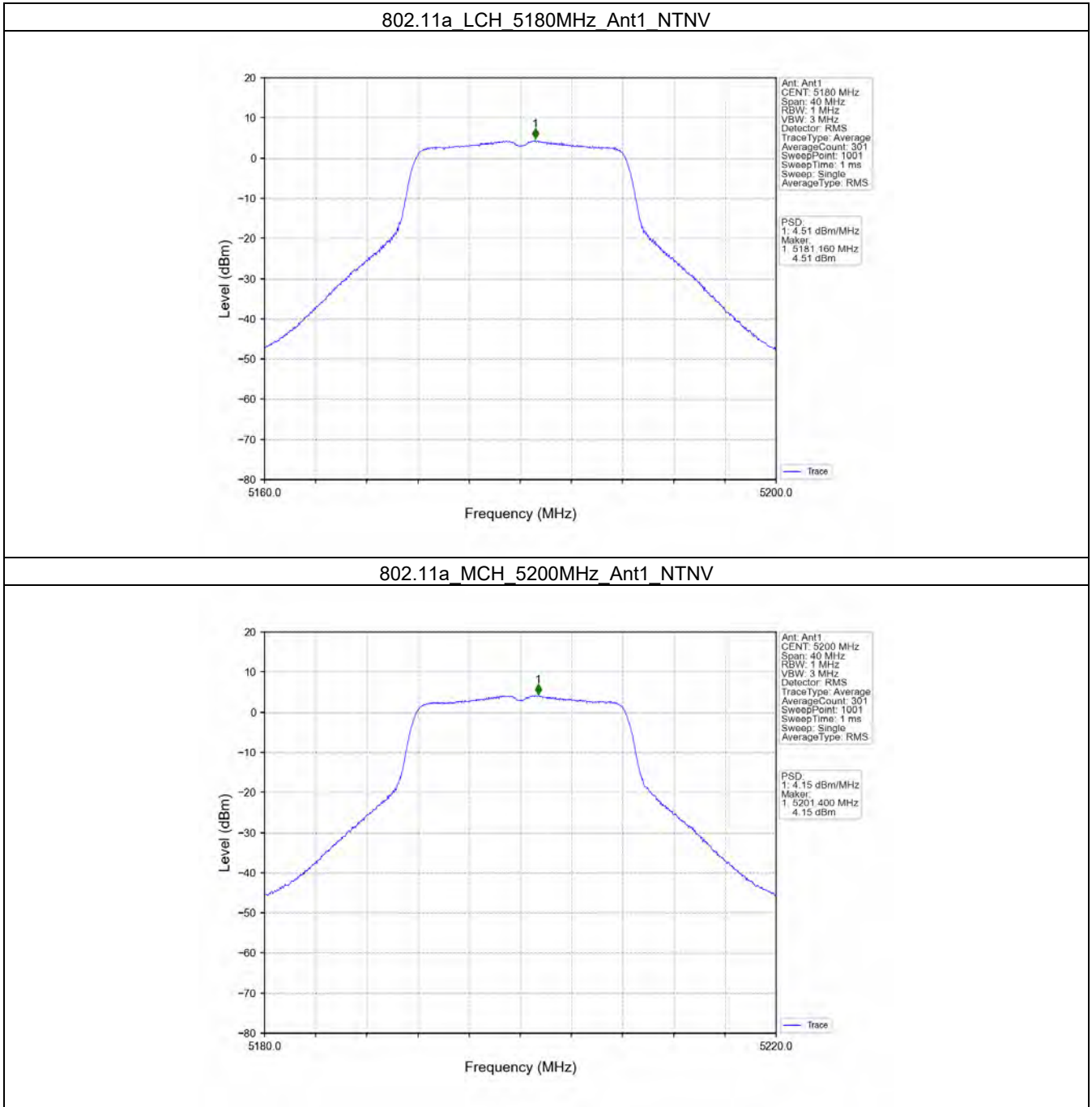
4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum E.I.R.PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	6.49	<=10	Pass
		5200	6.13	<=10	Pass
		5240	6.43	<=10	Pass
802.11n (HT20)	SISO	5180	5.26	<=10	Pass
		5200	5.03	<=10	Pass
		5240	5.22	<=10	Pass
802.11n (HT40)	SISO	5190	2.27	<=10	Pass
		5230	2.63	<=10	Pass
802.11ac (VHT80)	SISO	5210	-2.42	<=10	Pass

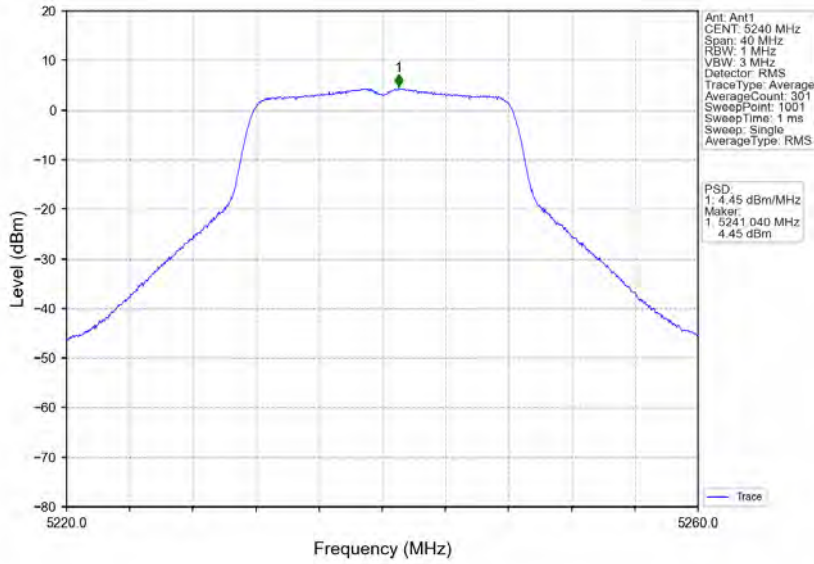
Note1: Antenna Gain: Ant1: 1.98dBi;

Note2: E.I.R.PSD = Measured PSD + Antenna Gain

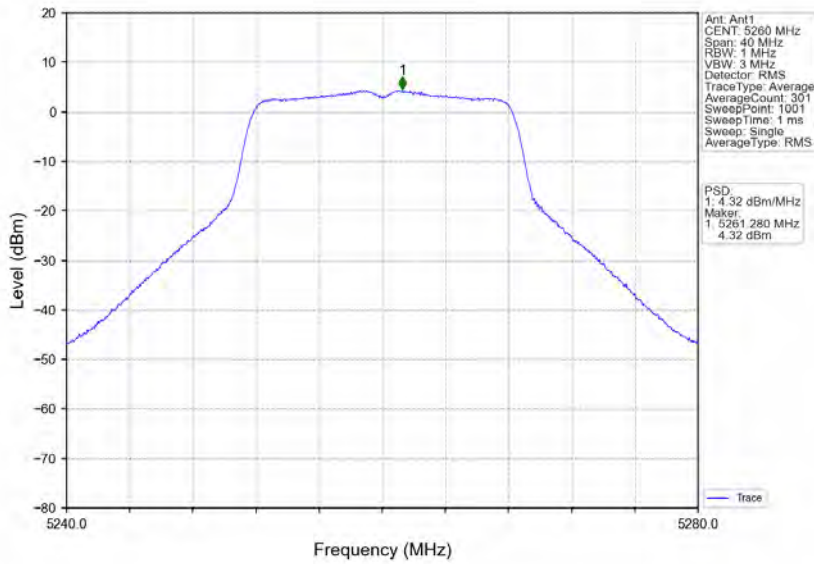
4.2.2 Test Graph



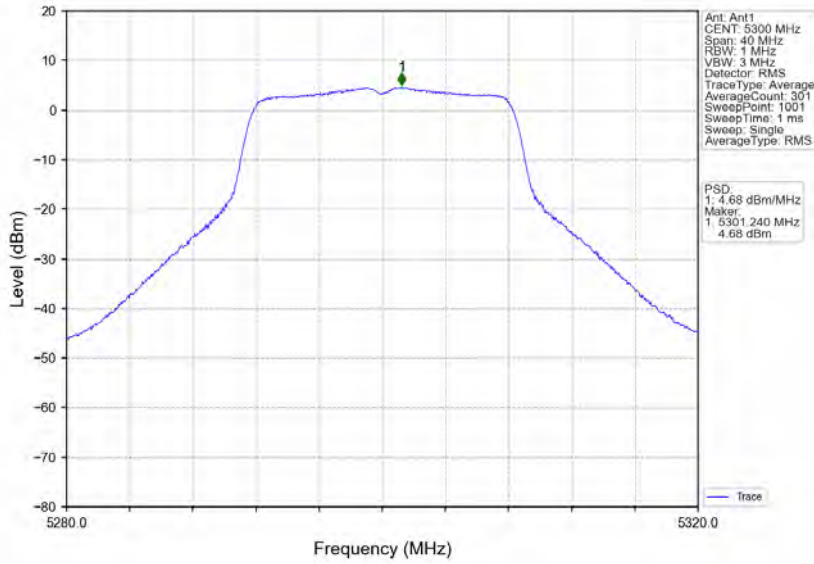
802.11a_HCH_5240MHz_Ant1_NTNV



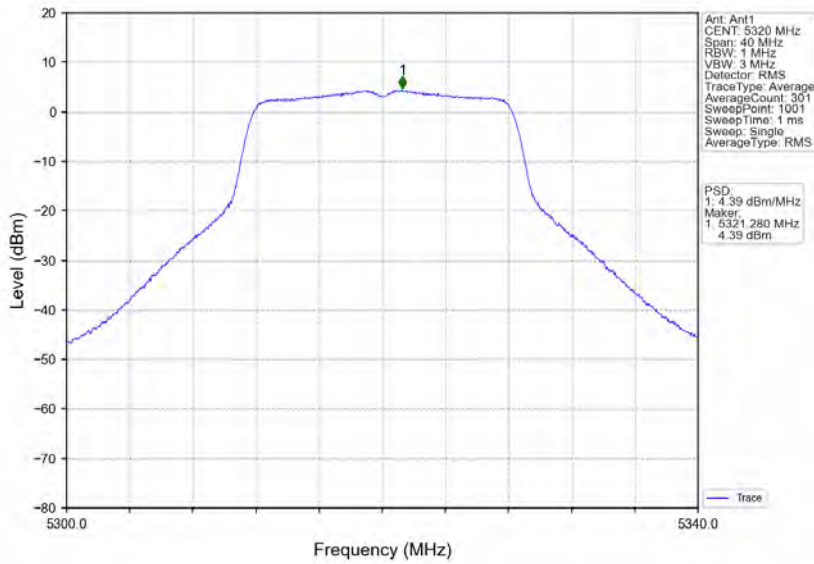
802.11a_LCH_5260MHz_Ant1_NTNV



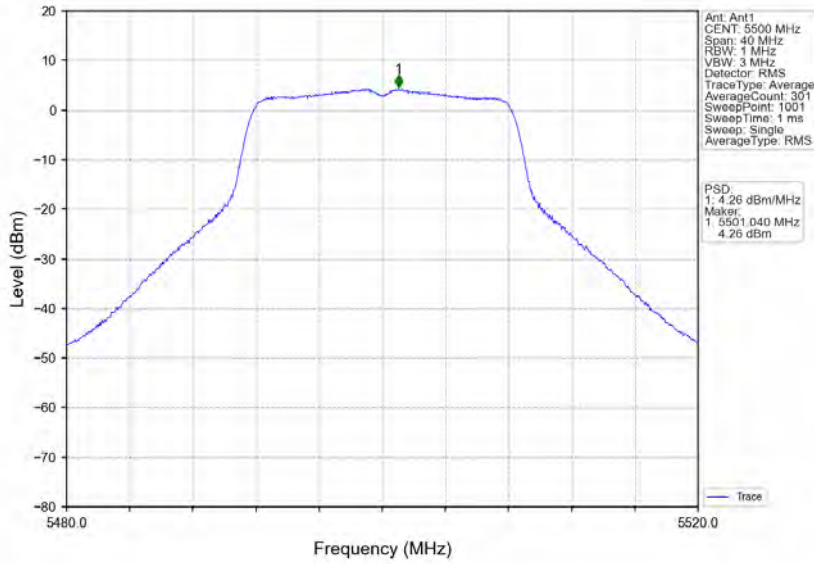
802.11a MCH 5300MHz Ant1 NTV



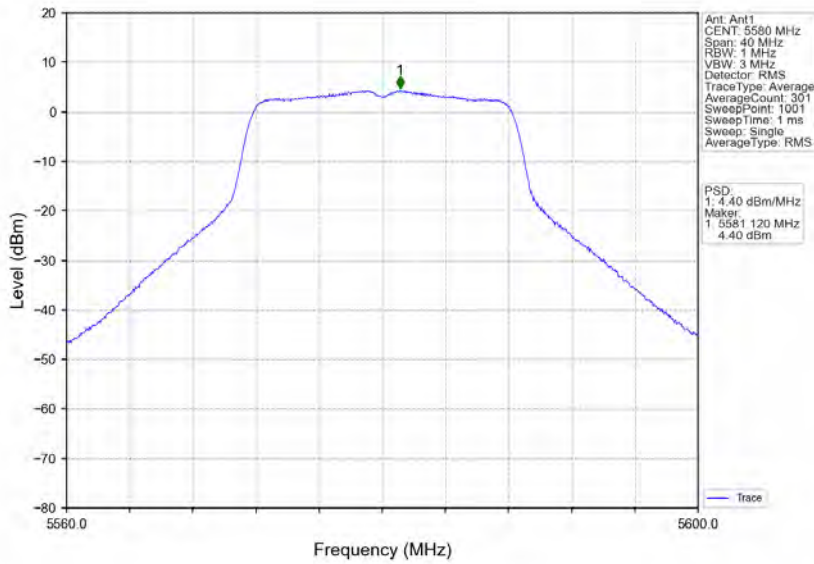
802.11a HCH 5320MHz Ant1 NTV



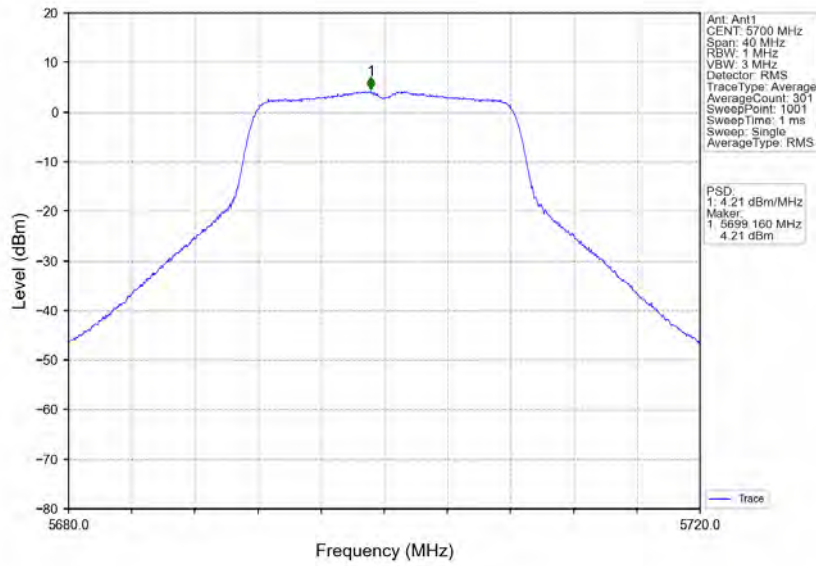
802.11a LCH 5500MHz Ant1 NTV



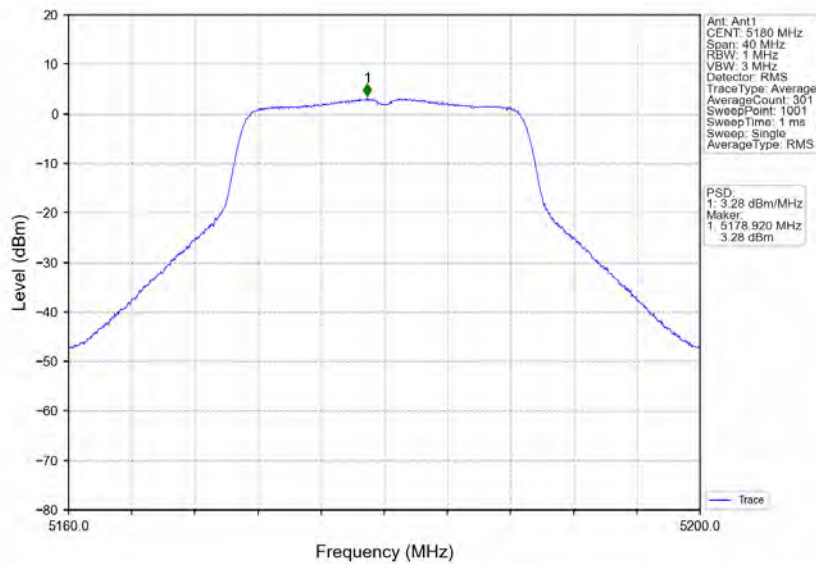
802.11a MCH 5580MHz Ant1 NTV



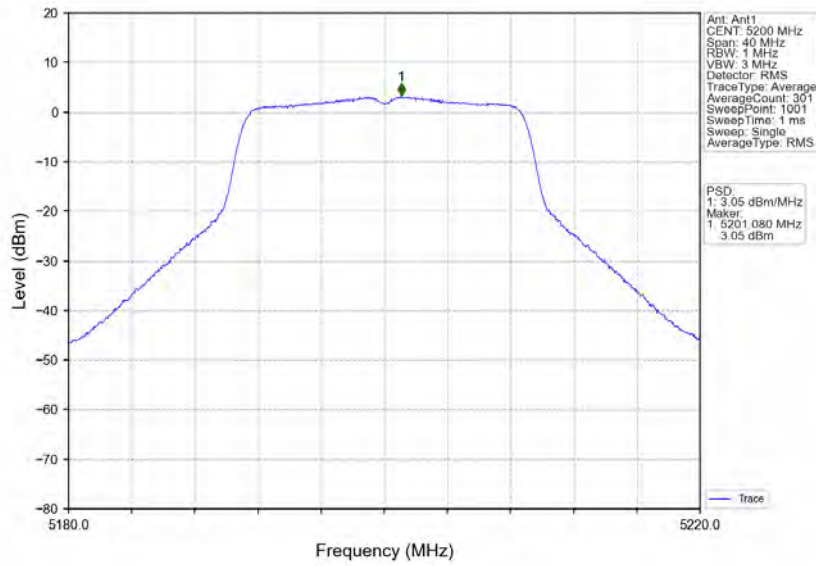
802.11a HCH 5700MHz Ant1 NTV



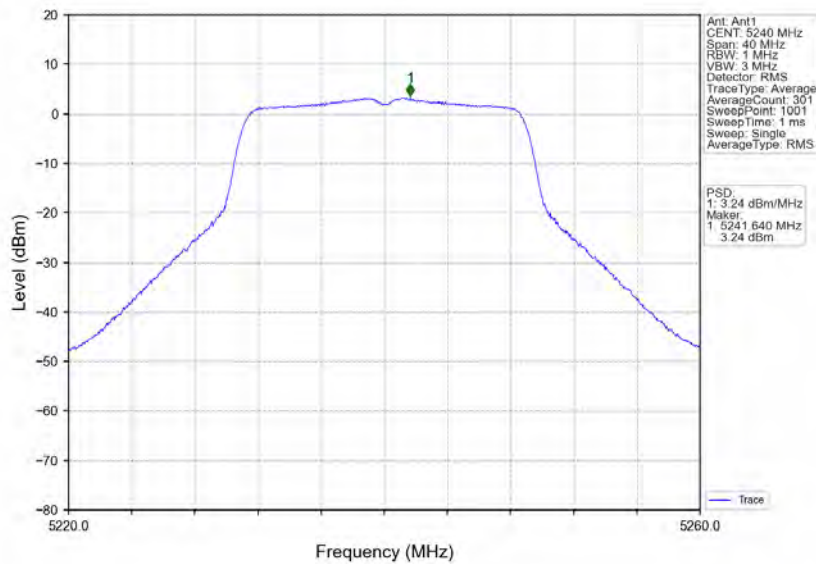
802.11n(HT20) LCH 5180MHz Ant1 NTV



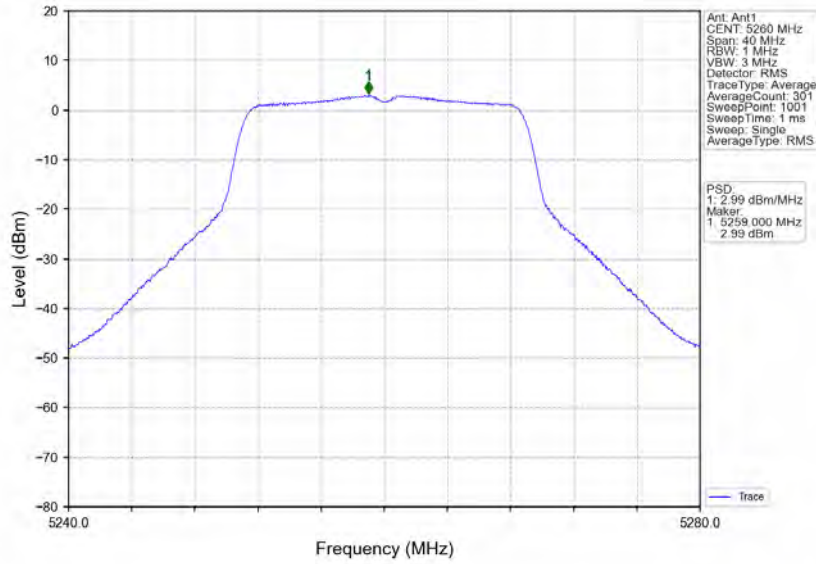
802.11n(HT20) MCH 5200MHz Ant1 NTV



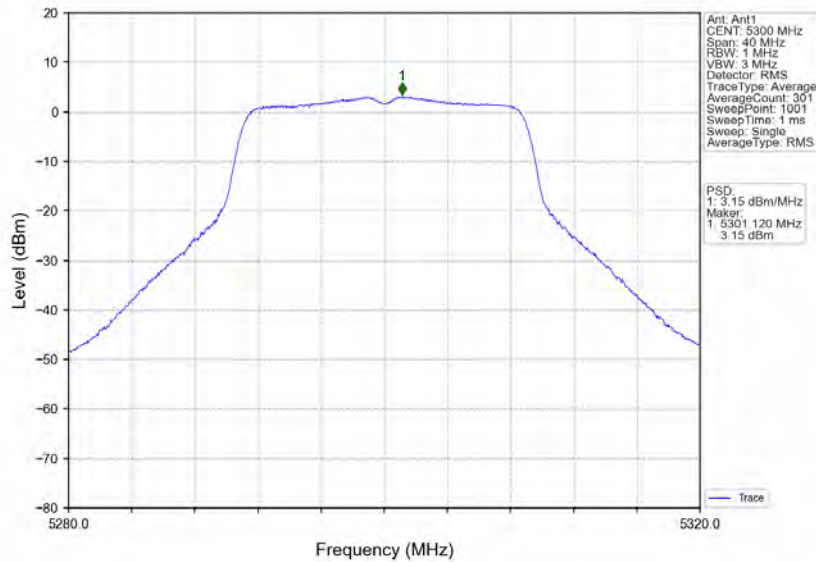
802.11n(HT20) HCH 5240MHz Ant1 NTV



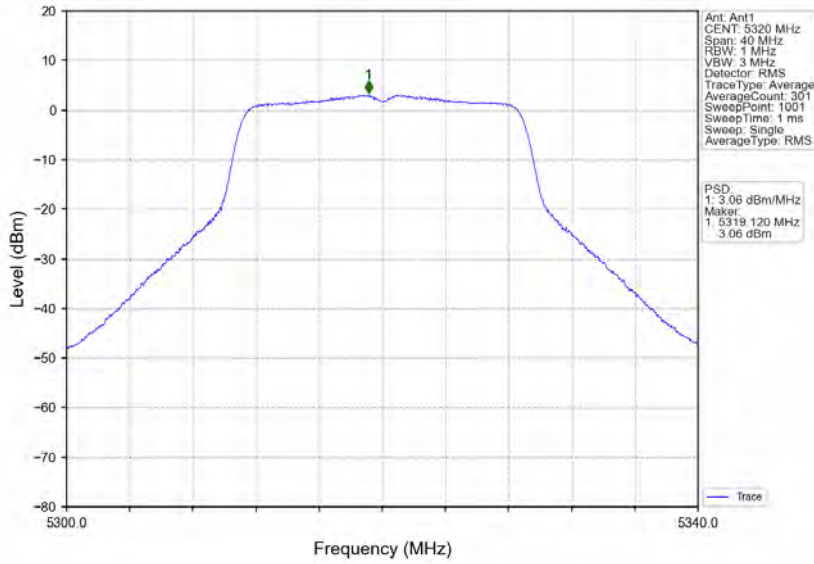
802.11n(HT20) LCH 5260MHz Ant1 NTN



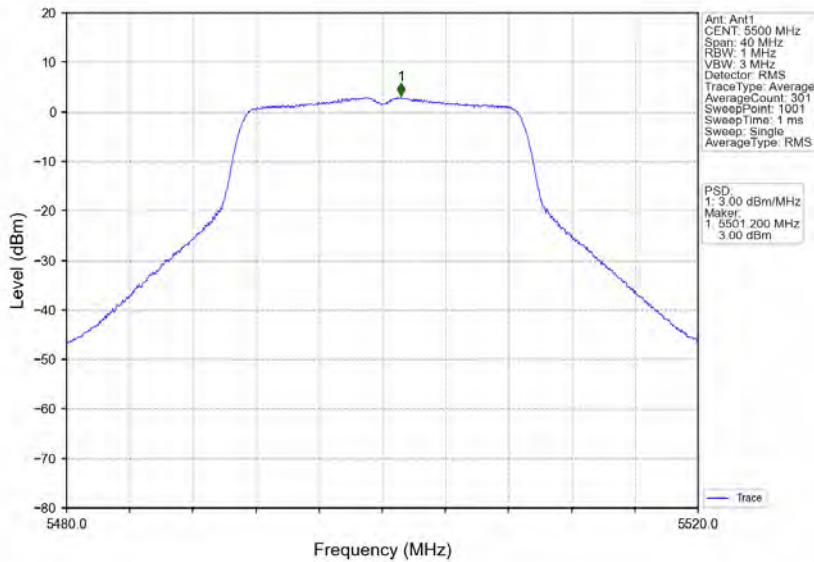
802.11n(HT20) MCH 5300MHz Ant1 NTN



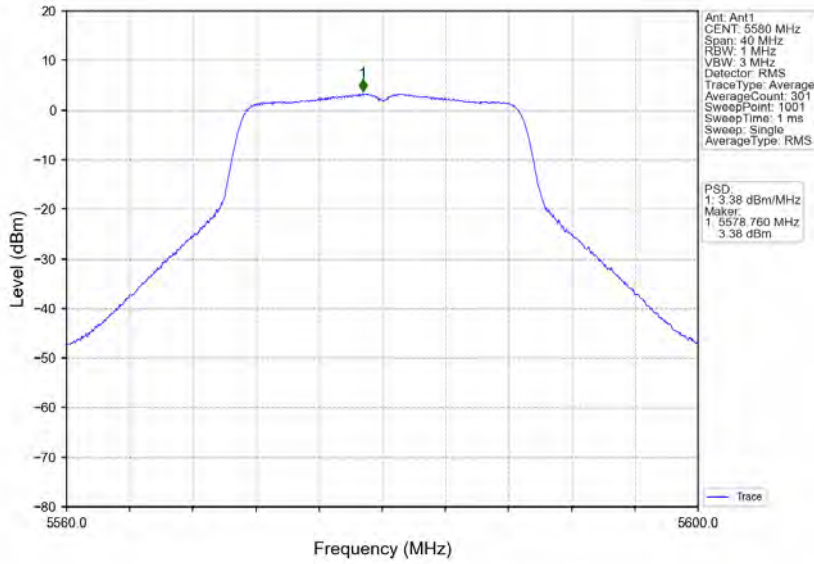
802.11n(HT20) HCH 5320MHz Ant1 NTVN



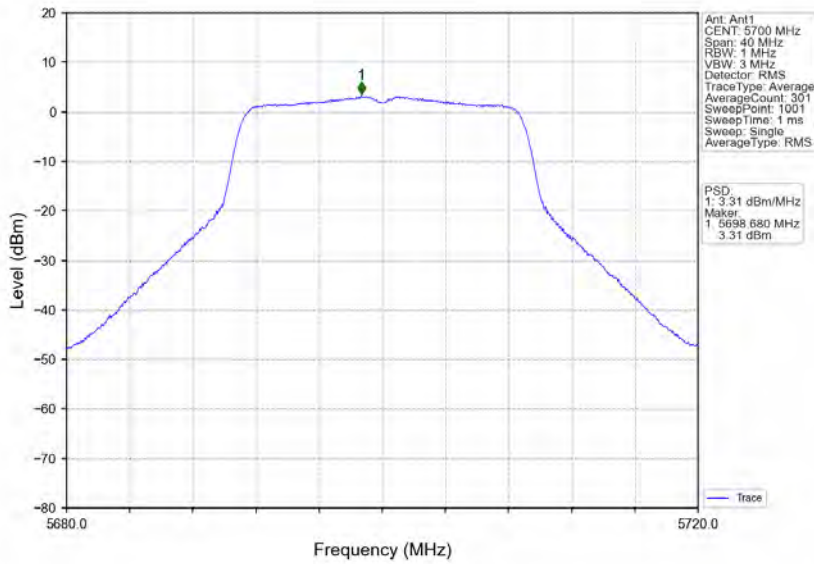
802.11n(HT20) LCH 5500MHz Ant1 NTVN



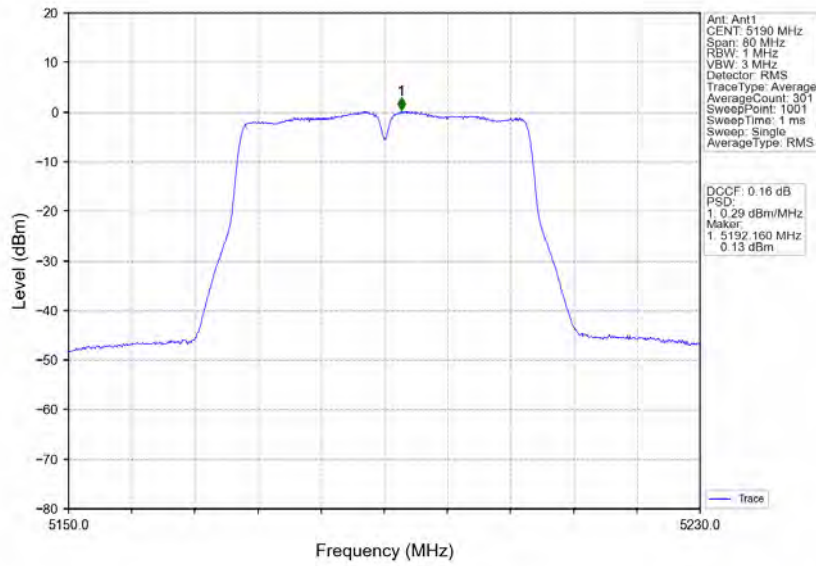
802.11n(HT20) MCH 5580MHz Ant1 NTN



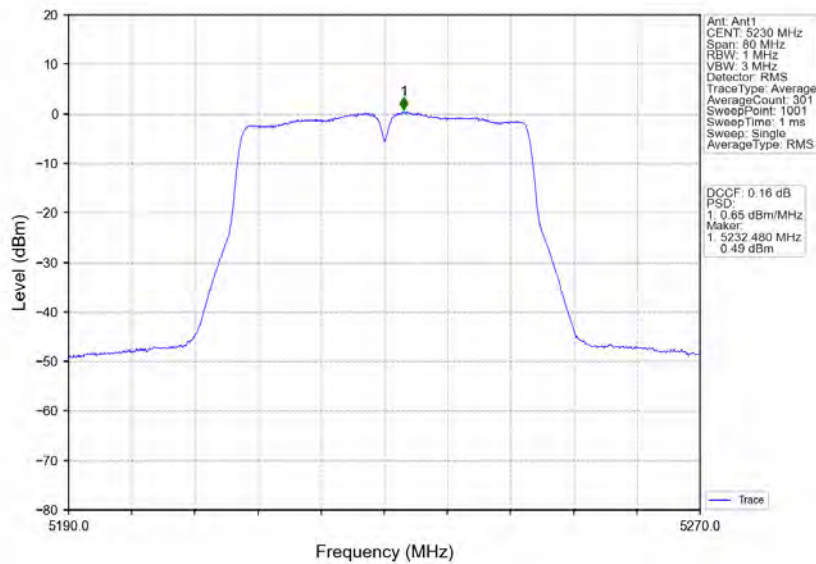
802.11n(HT20) HCH 5700MHz Ant1 NTN



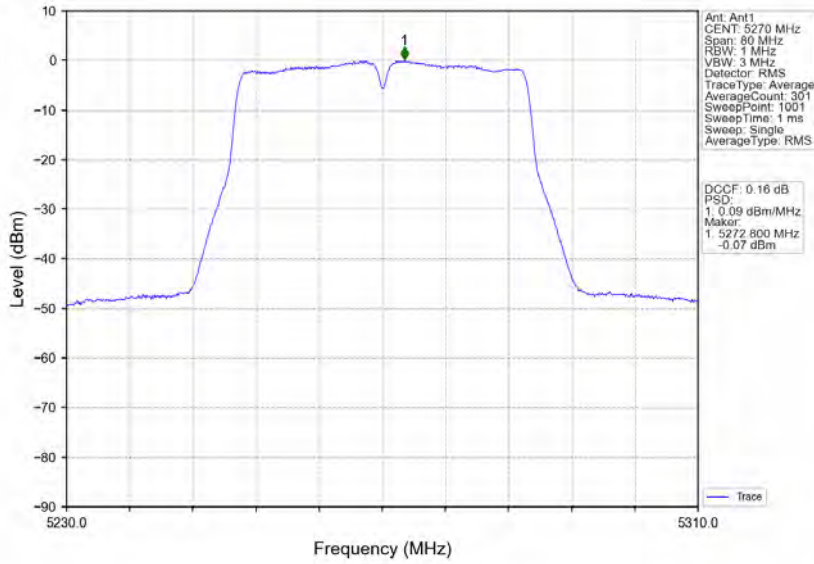
802.11n(HT40) LCH 5190MHz Ant1_NTNV



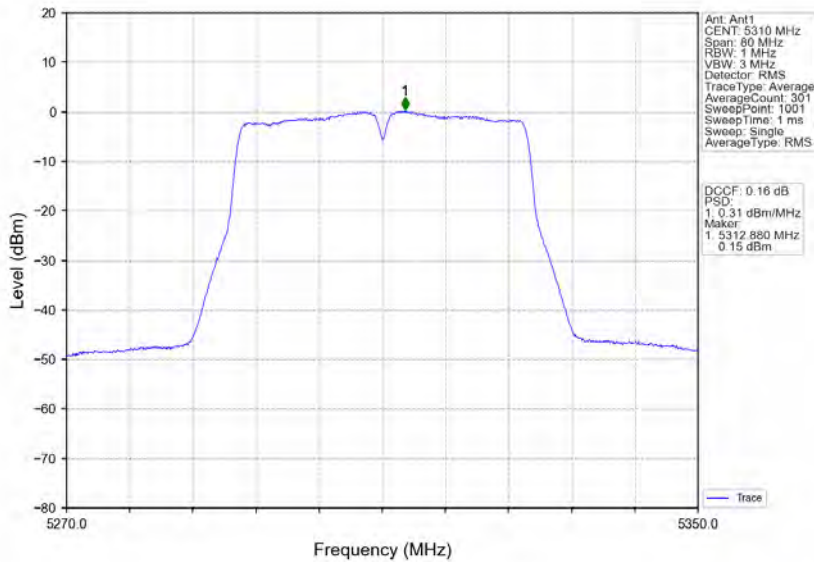
802.11n(HT40) HCH 5230MHz Ant1_NTNV



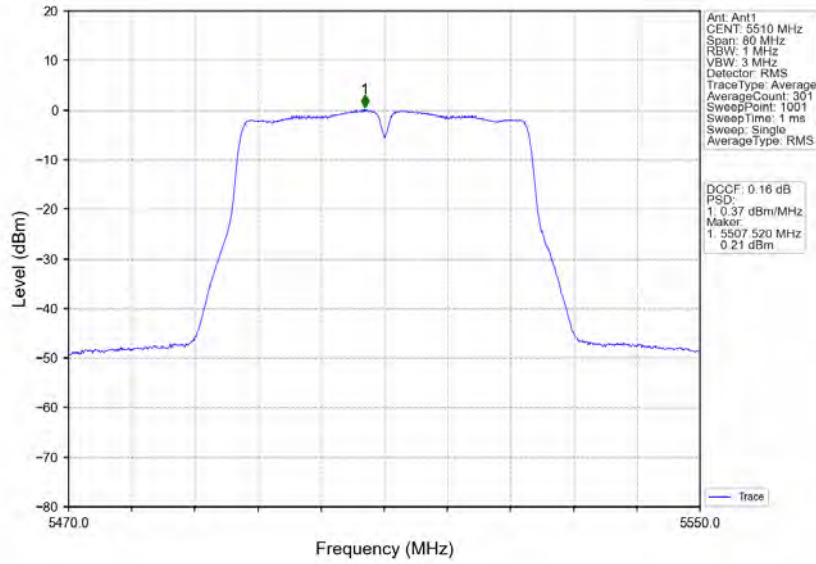
802.11n(HT40) LCH 5270MHz Ant1_NTNV



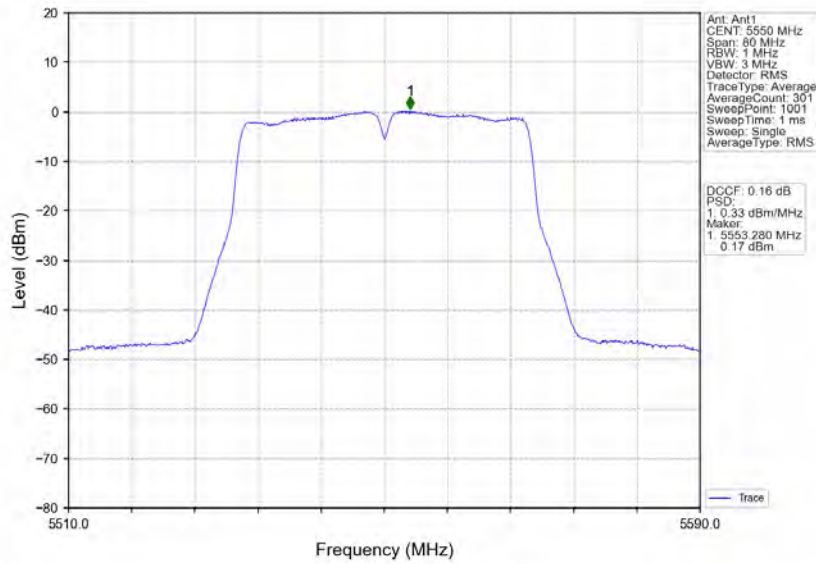
802.11n(HT40) HCH 5310MHz Ant1_NTNV



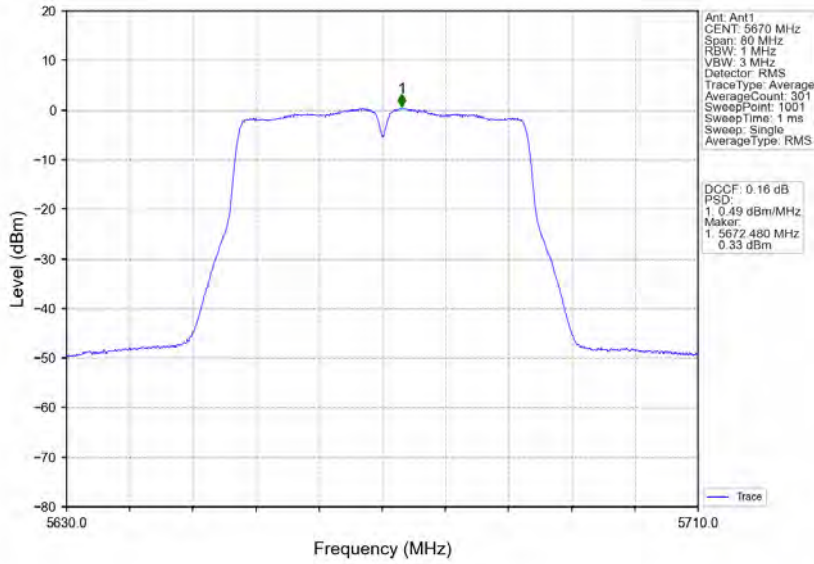
802.11n(HT40) LCH 5510MHz Ant1 NTN



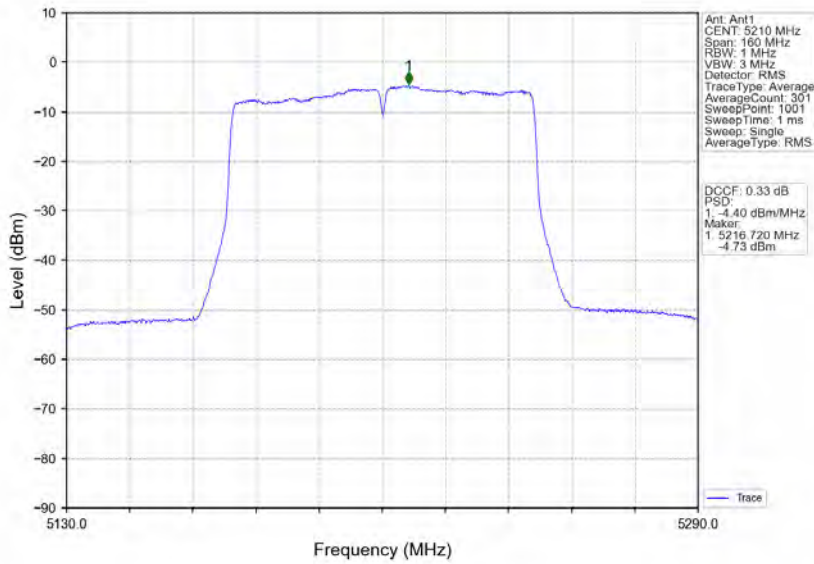
802.11n(HT40) MCH 5550MHz Ant1 NTN



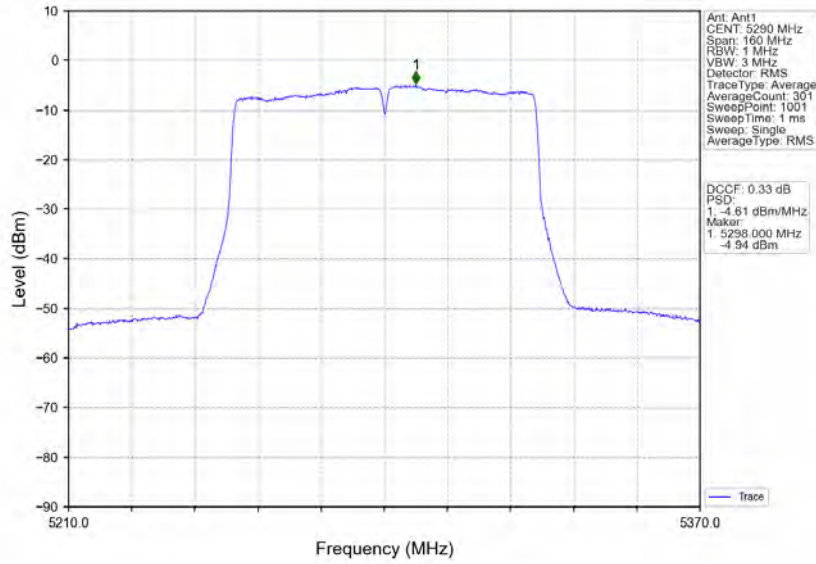
802.11n(HT40) HCH 5670MHz Ant1 NTN



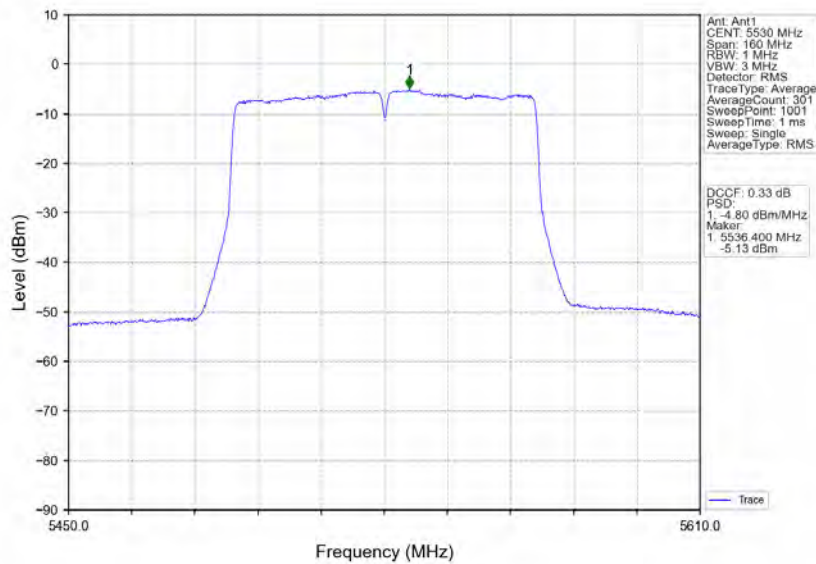
802.11ac(VHT80) MCH 5210MHz Ant1 NTN



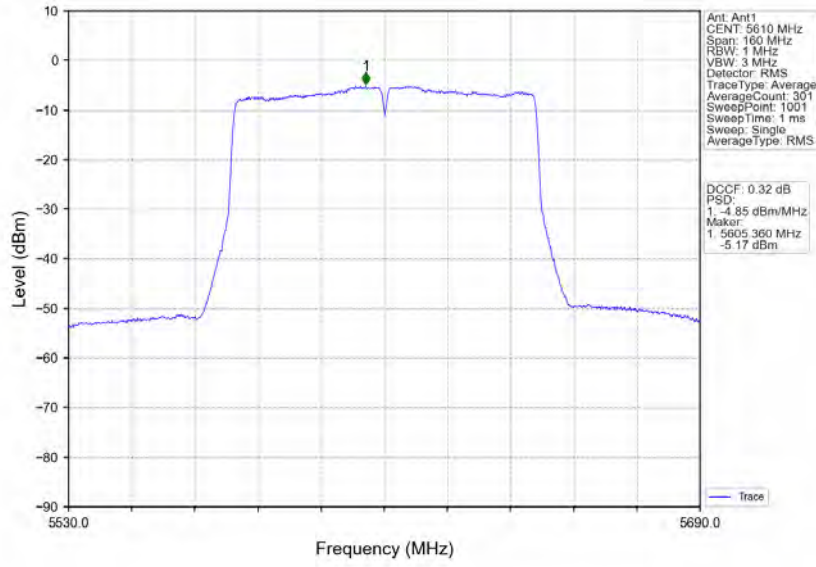
802.11ac(VHT80) MCH_5290MHz_Ant1_NTNV



802.11ac(VHT80) LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80) HCH 5610MHz Ant1 NTN





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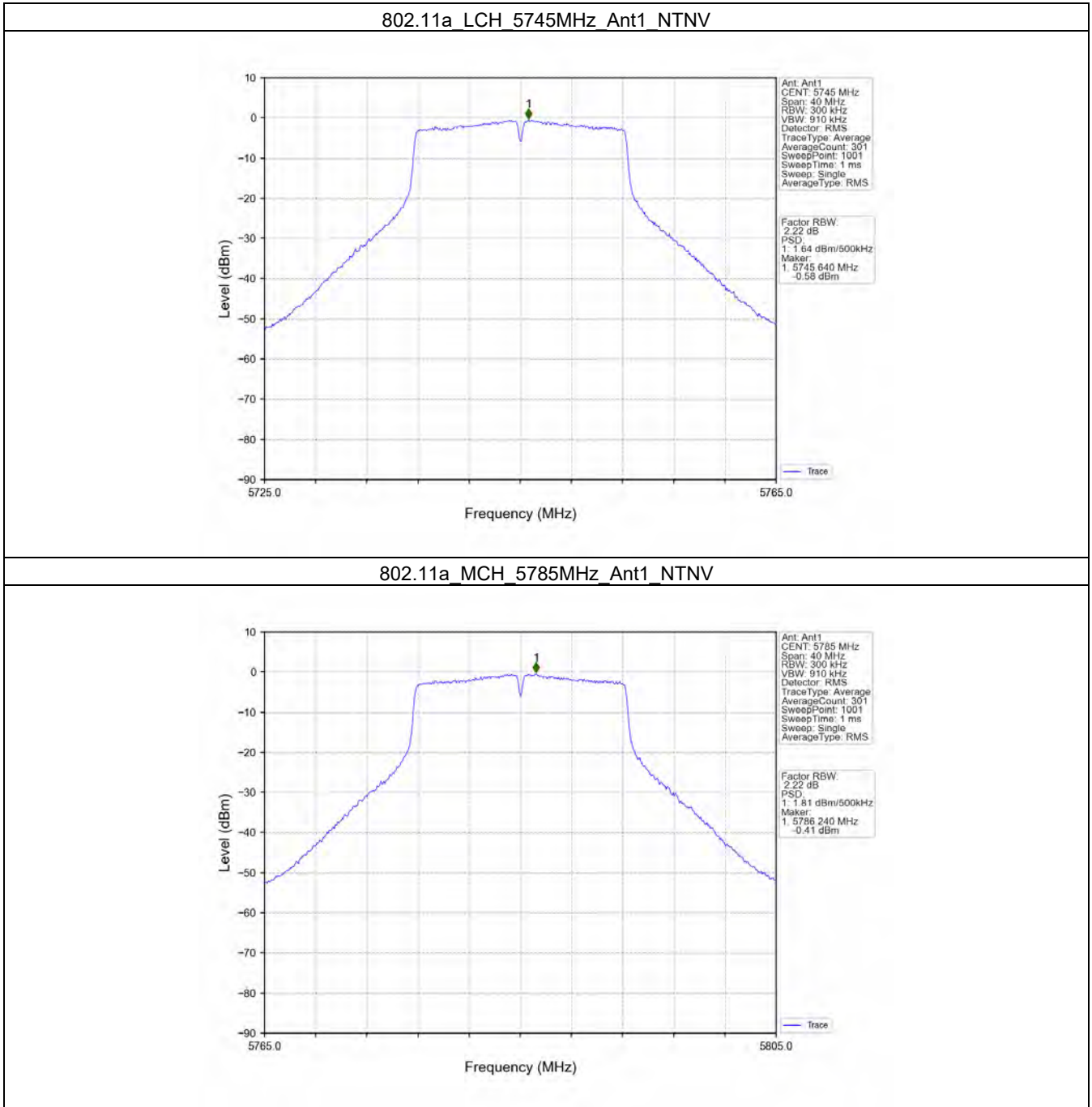
4.3 PSD-Band3

4.3.1 Test Result

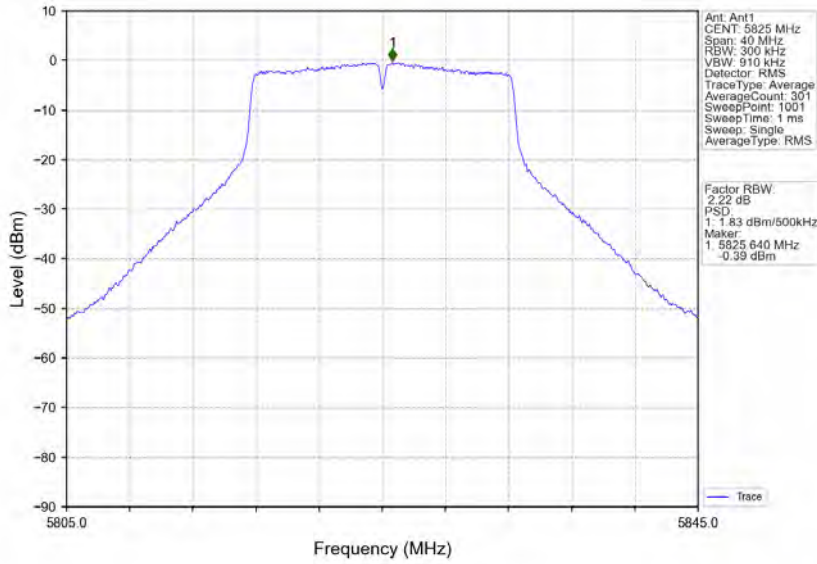
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	1.64	<=30	Pass
		5785	1.81	<=30	Pass
		5825	1.83	<=30	Pass
802.11n (HT20)	SISO	5745	0.47	<=30	Pass
		5785	0.23	<=30	Pass
		5825	0.31	<=30	Pass
802.11n (HT40)	SISO	5755	-2.74	<=30	Pass
		5795	-2.88	<=30	Pass
802.11ac (VHT80)	SISO	5775	-7.45	<=30	Pass

Note1: Antenna Gain: Ant1: 2.12dBi;

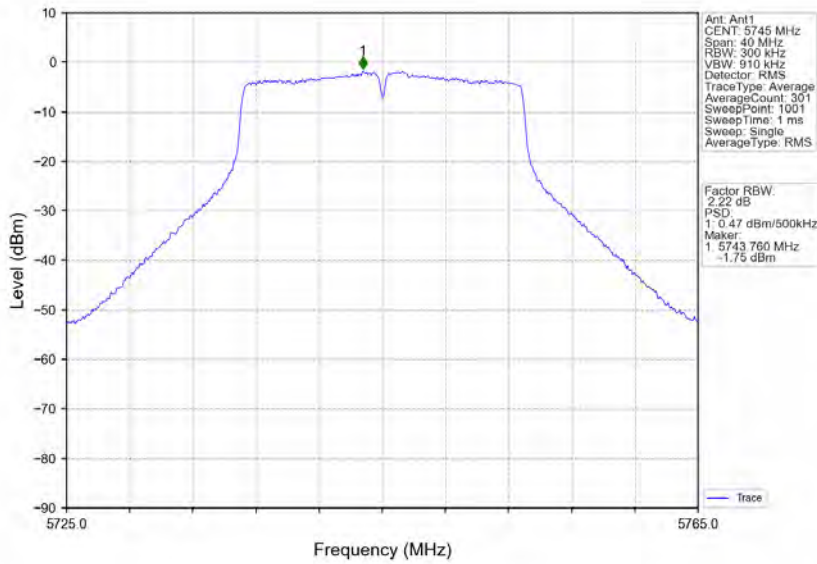
4.3.2 Test Graph



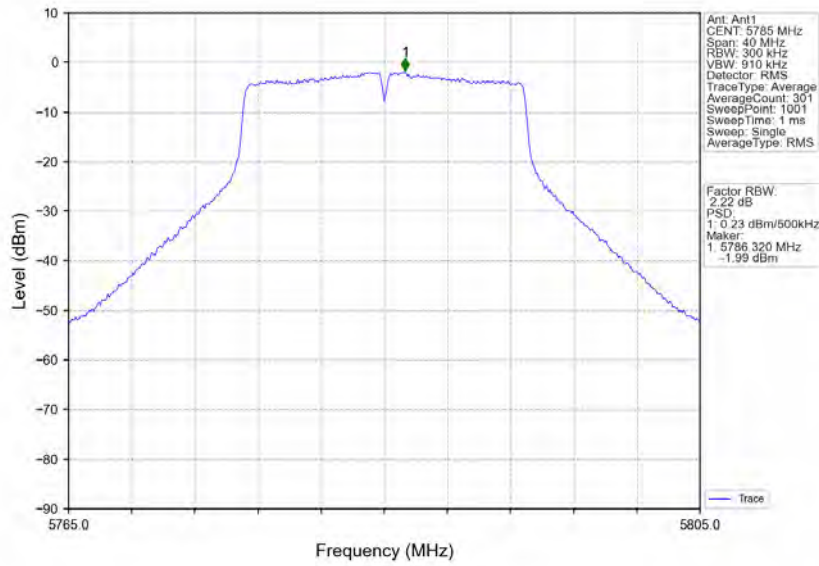
802.11a HCH 5825MHz Ant1 NTV



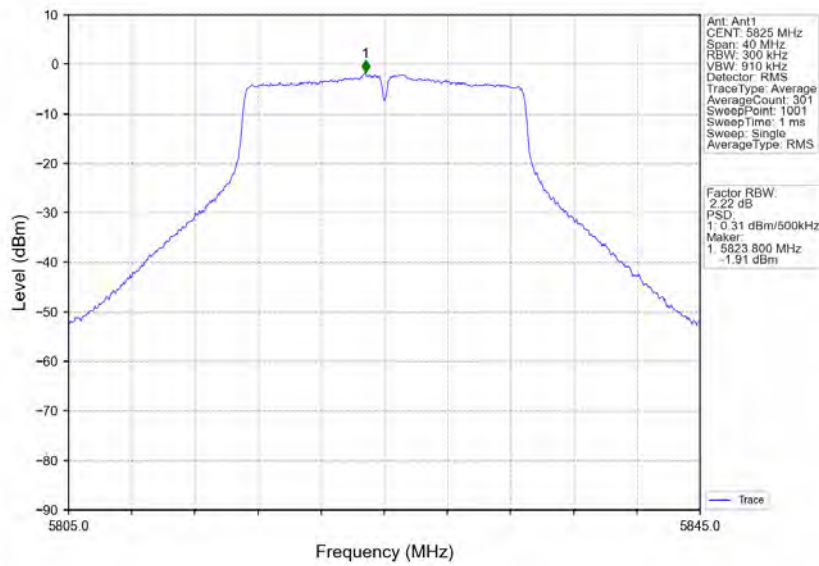
802.11n(HT20) LCH 5745MHz Ant1 NTV



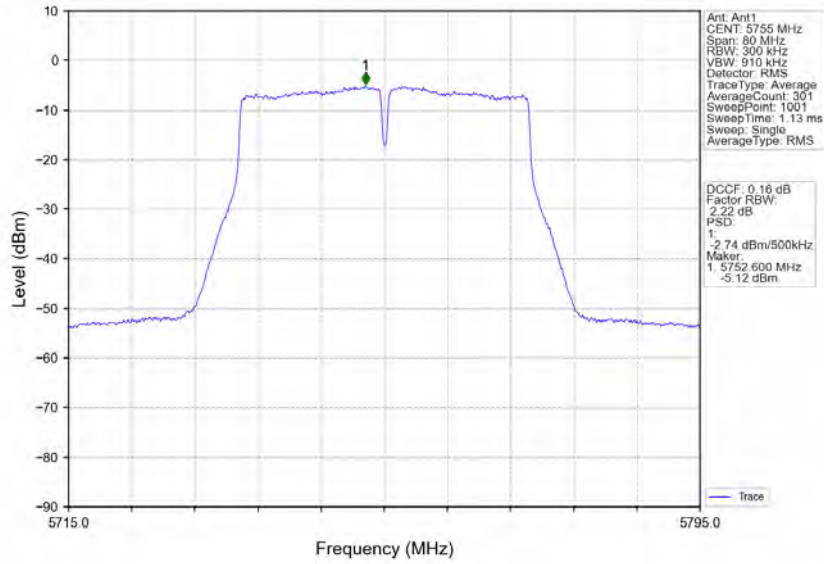
802.11n(HT20) MCH 5785MHz Ant1 NTVN



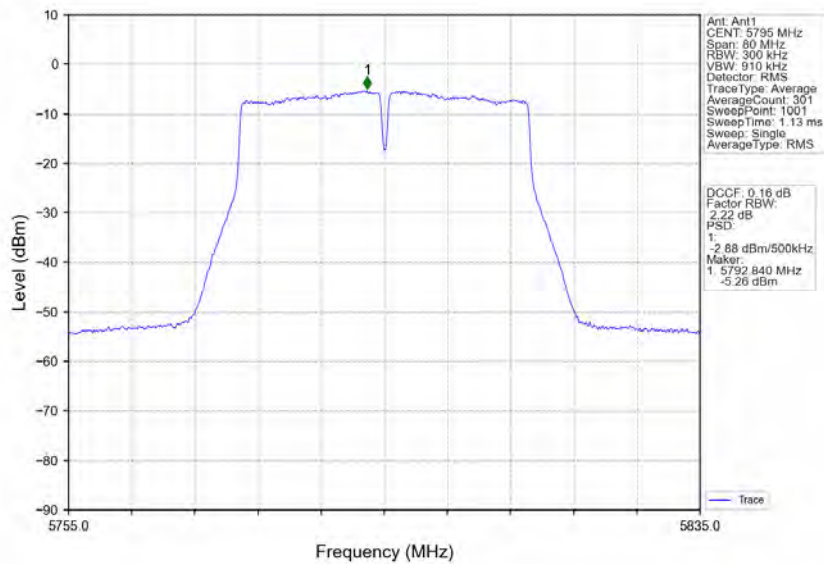
802.11n(HT20) HCH 5825MHz Ant1 NTVN



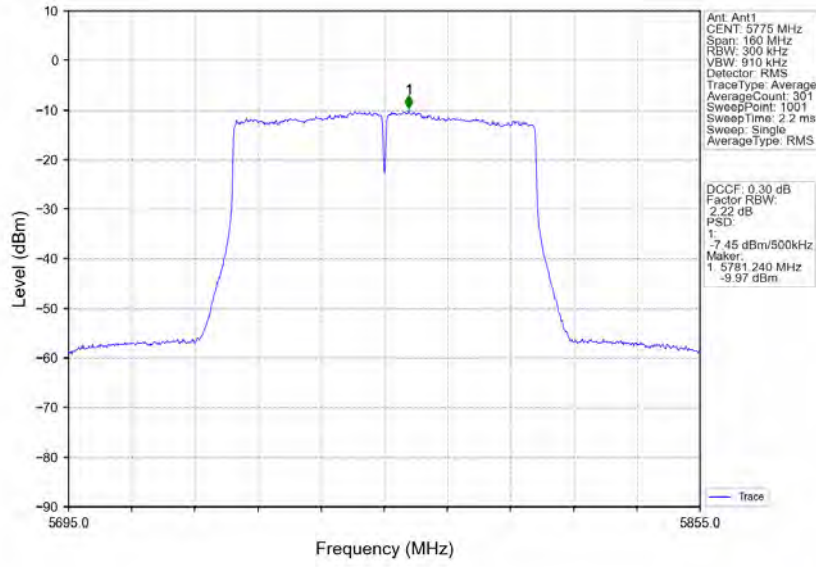
802.11n(HT40) LCH 5755MHz Ant1_NTNV



802.11n(HT40) HCH 5795MHz Ant1_NTNV



802.11ac(VHT80) MCH 5775MHz Ant1 NTN





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5. Frequency Stability

5.1 Ant1

5.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	20	102	5180.020	5150 to 5250	Pass
				120	5180.020	5150 to 5250	Pass
				138	5180.020	5150 to 5250	Pass
			-30	120	5180.000	5150 to 5250	Pass
				120	5179.960	5150 to 5250	Pass
			-10	120	5180.000	5150 to 5250	Pass
				120	5180.040	5150 to 5250	Pass
			10	120	5180.040	5150 to 5250	Pass
			30	120	5180.000	5150 to 5250	Pass
			40	120	5180.040	5150 to 5250	Pass
		50	120	5180.080	5150 to 5250	Pass	
		5200	20	102	5200.040	5150 to 5250	Pass
				120	5200.080	5150 to 5250	Pass
				138	5200.020	5150 to 5250	Pass
			-30	120	5200.040	5150 to 5250	Pass
				120	5200.000	5150 to 5250	Pass
			-10	120	5200.020	5150 to 5250	Pass
				120	5200.060	5150 to 5250	Pass
			10	120	5200.040	5150 to 5250	Pass
			30	120	5200.020	5150 to 5250	Pass
			40	120	5199.960	5150 to 5250	Pass
		50	120	5199.980	5150 to 5250	Pass	
		5240	20	102	5240.100	5150 to 5250	Pass
				120	5240.040	5150 to 5250	Pass
				138	5240.000	5150 to 5250	Pass
			-30	120	5240.020	5150 to 5250	Pass
				120	5239.980	5150 to 5250	Pass
			-10	120	5240.060	5150 to 5250	Pass
				120	5240.020	5150 to 5250	Pass
			10	120	5240.020	5150 to 5250	Pass
			30	120	5240.040	5150 to 5250	Pass
			40	120	5240.080	5150 to 5250	Pass
		50	120	5239.980	5150 to 5250	Pass	
		5260	20	102	5260.020	5250 to 5350	Pass
				120	5260.040	5250 to 5350	Pass
				138	5260.000	5250 to 5350	Pass
			-30	120	5260.040	5250 to 5350	Pass
				120	5260.060	5250 to 5350	Pass
			-10	120	5260.000	5250 to 5350	Pass
				120	5260.020	5250 to 5350	Pass
		10	120	5260.000	5250 to 5350	Pass	



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			30	120	5259.980	5250 to 5350	Pass
			40	120	5260.040	5250 to 5350	Pass
			50	120	5260.020	5250 to 5350	Pass
		5300	20	102	5300.040	5250 to 5350	Pass
				120	5300.040	5250 to 5350	Pass
				138	5300.040	5250 to 5350	Pass
			-30	120	5300.040	5250 to 5350	Pass
			-20	120	5300.060	5250 to 5350	Pass
			-10	120	5300.060	5250 to 5350	Pass
			0	120	5300.080	5250 to 5350	Pass
			10	120	5300.040	5250 to 5350	Pass
			30	120	5300.040	5250 to 5350	Pass
			40	120	5299.980	5250 to 5350	Pass
			50	120	5300.000	5250 to 5350	Pass
			5320	20	102	5320.060	5250 to 5350
		120			5320.000	5250 to 5350	Pass
		138			5320.020	5250 to 5350	Pass
		-30		120	5320.020	5250 to 5350	Pass
		-20		120	5320.040	5250 to 5350	Pass
		-10		120	5320.020	5250 to 5350	Pass
		0		120	5320.040	5250 to 5350	Pass
		10		120	5320.020	5250 to 5350	Pass
		30		120	5320.020	5250 to 5350	Pass
		40		120	5320.100	5250 to 5350	Pass
		50		120	5320.080	5250 to 5350	Pass
		5500		20	102	5499.980	5470 to 5725
			120		5499.980	5470 to 5725	Pass
			138		5500.060	5470 to 5725	Pass
			-30	120	5499.960	5470 to 5725	Pass
			-20	120	5500.000	5470 to 5725	Pass
			-10	120	5500.020	5470 to 5725	Pass
			0	120	5499.960	5470 to 5725	Pass
			10	120	5500.040	5470 to 5725	Pass
			30	120	5500.060	5470 to 5725	Pass
			40	120	5500.020	5470 to 5725	Pass
			50	120	5500.000	5470 to 5725	Pass
			5580	20	102	5580.000	5470 to 5725
		120			5580.000	5470 to 5725	Pass
		138			5579.980	5470 to 5725	Pass
		-30		120	5580.040	5470 to 5725	Pass
		-20		120	5580.000	5470 to 5725	Pass
		-10		120	5580.000	5470 to 5725	Pass
		0		120	5580.000	5470 to 5725	Pass
		10		120	5580.020	5470 to 5725	Pass
		30		120	5580.020	5470 to 5725	Pass
		40		120	5580.080	5470 to 5725	Pass
		50		120	5580.080	5470 to 5725	Pass
		5700		20	102	5700.040	5470 to 5725
			120		5700.000	5470 to 5725	Pass
			138		5700.020	5470 to 5725	Pass
-30	120		5700.020	5470 to 5725	Pass		
-20	120		5699.940	5470 to 5725	Pass		



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			-10	120	5700.040	5470 to 5725	Pass		
			0	120	5700.020	5470 to 5725	Pass		
			10	120	5700.020	5470 to 5725	Pass		
			30	120	5700.000	5470 to 5725	Pass		
			40	120	5700.000	5470 to 5725	Pass		
			50	120	5699.980	5470 to 5725	Pass		
		5745	20	102	5745.020	5725 to 5850	Pass		
				120	5745.020	5725 to 5850	Pass		
				138	5745.080	5725 to 5850	Pass		
			-30	120	5745.040	5725 to 5850	Pass		
			-20	120	5745.020	5725 to 5850	Pass		
			-10	120	5745.040	5725 to 5850	Pass		
			0	120	5745.040	5725 to 5850	Pass		
			10	120	5745.000	5725 to 5850	Pass		
			30	120	5745.020	5725 to 5850	Pass		
			40	120	5745.020	5725 to 5850	Pass		
			50	120	5745.000	5725 to 5850	Pass		
			5785	20	102	5785.040	5725 to 5850	Pass	
		120			5785.000	5725 to 5850	Pass		
		138			5784.980	5725 to 5850	Pass		
		-30		120	5785.000	5725 to 5850	Pass		
		-20		120	5785.040	5725 to 5850	Pass		
		-10		120	5785.020	5725 to 5850	Pass		
		0		120	5785.040	5725 to 5850	Pass		
		10		120	5785.020	5725 to 5850	Pass		
		30		120	5785.060	5725 to 5850	Pass		
		40		120	5785.020	5725 to 5850	Pass		
		50		120	5785.020	5725 to 5850	Pass		
		5825		20	102	5825.000	5725 to 5850	Pass	
			120		5825.000	5725 to 5850	Pass		
			138		5825.000	5725 to 5850	Pass		
			-30	120	5825.000	5725 to 5850	Pass		
			-20	120	5824.980	5725 to 5850	Pass		
			-10	120	5824.980	5725 to 5850	Pass		
			0	120	5824.980	5725 to 5850	Pass		
			10	120	5824.960	5725 to 5850	Pass		
			30	120	5825.040	5725 to 5850	Pass		
			40	120	5825.000	5725 to 5850	Pass		
			50	120	5825.080	5725 to 5850	Pass		
			802.11n (HT20)	SISO	5180	20	102	5180.060	5150 to 5250
		120					5180.080	5150 to 5250	Pass
		138					5180.040	5150 to 5250	Pass
-30	120	5180.000				5150 to 5250	Pass		
-20	120	5180.040				5150 to 5250	Pass		
-10	120	5180.020				5150 to 5250	Pass		
0	120	5180.020				5150 to 5250	Pass		
10	120	5180.020				5150 to 5250	Pass		
30	120	5180.000				5150 to 5250	Pass		
40	120	5180.020				5150 to 5250	Pass		
50	120	5180.020				5150 to 5250	Pass		
5200	20	102				5200.060	5150 to 5250	Pass	
		120			5200.000	5150 to 5250	Pass		



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			138	5200.080	5150 to 5250	Pass	
		-30	120	5200.040	5150 to 5250	Pass	
		-20	120	5200.040	5150 to 5250	Pass	
		-10	120	5200.040	5150 to 5250	Pass	
		0	120	5199.980	5150 to 5250	Pass	
		10	120	5200.020	5150 to 5250	Pass	
		30	120	5200.000	5150 to 5250	Pass	
		40	120	5200.080	5150 to 5250	Pass	
		50	120	5200.000	5150 to 5250	Pass	
	5240	20	102	5240.100	5150 to 5250	Pass	
			120	5240.040	5150 to 5250	Pass	
			138	5240.080	5150 to 5250	Pass	
			-30	120	5240.040	5150 to 5250	Pass
			-20	120	5240.040	5150 to 5250	Pass
			-10	120	5240.020	5150 to 5250	Pass
			0	120	5240.020	5150 to 5250	Pass
			10	120	5240.060	5150 to 5250	Pass
			30	120	5240.080	5150 to 5250	Pass
			40	120	5240.020	5150 to 5250	Pass
			50	120	5240.080	5150 to 5250	Pass
		5260	20	102	5260.060	5250 to 5350	Pass
				120	5259.980	5250 to 5350	Pass
	138			5260.020	5250 to 5350	Pass	
			-30	120	5260.020	5250 to 5350	Pass
			-20	120	5260.040	5250 to 5350	Pass
			-10	120	5260.040	5250 to 5350	Pass
			0	120	5260.100	5250 to 5350	Pass
			10	120	5260.060	5250 to 5350	Pass
			30	120	5260.060	5250 to 5350	Pass
			40	120	5260.020	5250 to 5350	Pass
			50	120	5259.960	5250 to 5350	Pass
	5300		20	102	5300.040	5250 to 5350	Pass
				120	5300.040	5250 to 5350	Pass
		138		5300.100	5250 to 5350	Pass	
			-30	120	5300.040	5250 to 5350	Pass
			-20	120	5300.060	5250 to 5350	Pass
			-10	120	5300.060	5250 to 5350	Pass
			0	120	5300.000	5250 to 5350	Pass
			10	120	5300.100	5250 to 5350	Pass
			30	120	5300.020	5250 to 5350	Pass
			40	120	5300.060	5250 to 5350	Pass
			50	120	5300.000	5250 to 5350	Pass
		5320	20	102	5320.020	5250 to 5350	Pass
				120	5320.020	5250 to 5350	Pass
	138			5320.020	5250 to 5350	Pass	
			-30	120	5320.040	5250 to 5350	Pass
			-20	120	5320.040	5250 to 5350	Pass
			-10	120	5320.060	5250 to 5350	Pass
			0	120	5320.000	5250 to 5350	Pass
			10	120	5320.000	5250 to 5350	Pass
			30	120	5320.040	5250 to 5350	Pass
		40	120	5320.040	5250 to 5350	Pass	



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		5500	50	120	5320.020	5250 to 5350	Pass
			20	102	5499.980	5470 to 5725	Pass
				120	5499.980	5470 to 5725	Pass
				138	5500.020	5470 to 5725	Pass
			-30	120	5500.000	5470 to 5725	Pass
			-20	120	5499.980	5470 to 5725	Pass
			-10	120	5500.040	5470 to 5725	Pass
			0	120	5500.020	5470 to 5725	Pass
			10	120	5499.980	5470 to 5725	Pass
			30	120	5500.020	5470 to 5725	Pass
			40	120	5500.080	5470 to 5725	Pass
		50	120	5500.020	5470 to 5725	Pass	
		5580	20	102	5579.980	5470 to 5725	Pass
				120	5580.020	5470 to 5725	Pass
				138	5579.980	5470 to 5725	Pass
			-30	120	5580.060	5470 to 5725	Pass
			-20	120	5580.020	5470 to 5725	Pass
			-10	120	5580.000	5470 to 5725	Pass
			0	120	5580.020	5470 to 5725	Pass
			10	120	5580.040	5470 to 5725	Pass
			30	120	5580.000	5470 to 5725	Pass
			40	120	5580.060	5470 to 5725	Pass
			50	120	5580.060	5470 to 5725	Pass
		5700	20	102	5700.020	5470 to 5725	Pass
				120	5700.040	5470 to 5725	Pass
				138	5700.020	5470 to 5725	Pass
			-30	120	5700.020	5470 to 5725	Pass
			-20	120	5700.020	5470 to 5725	Pass
			-10	120	5700.040	5470 to 5725	Pass
			0	120	5699.960	5470 to 5725	Pass
			10	120	5700.020	5470 to 5725	Pass
			30	120	5700.040	5470 to 5725	Pass
			40	120	5699.980	5470 to 5725	Pass
			50	120	5700.020	5470 to 5725	Pass
		5745	20	102	5745.000	5725 to 5850	Pass
				120	5744.980	5725 to 5850	Pass
				138	5744.980	5725 to 5850	Pass
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			-20	120	5745.040	5725 to 5850	Pass
			-10	120	5745.040	5725 to 5850	Pass
			0	120	5744.960	5725 to 5850	Pass
			10	120	5745.060	5725 to 5850	Pass
			30	120	5745.040	5725 to 5850	Pass
			40	120	5745.000	5725 to 5850	Pass
			50	120	5745.060	5725 to 5850	Pass
5785	20	102	5785.020	5725 to 5850	Pass		
		120	5784.980	5725 to 5850	Pass		
		138	5784.960	5725 to 5850	Pass		
	-30	120	5785.020	5725 to 5850	Pass		
	-20	120	5785.020	5725 to 5850	Pass		
	-10	120	5784.980	5725 to 5850	Pass		
0	120	5785.000	5725 to 5850	Pass			



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		5825	10	120	5785.020	5725 to 5850	Pass	
			30	120	5785.000	5725 to 5850	Pass	
			40	120	5785.040	5725 to 5850	Pass	
			50	120	5785.020	5725 to 5850	Pass	
			20	102	5825.000	5725 to 5850	Pass	
				120	5825.020	5725 to 5850	Pass	
				138	5825.000	5725 to 5850	Pass	
			-30	120	5825.000	5725 to 5850	Pass	
			-20	120	5824.980	5725 to 5850	Pass	
			-10	120	5824.980	5725 to 5850	Pass	
			0	120	5825.060	5725 to 5850	Pass	
			10	120	5825.000	5725 to 5850	Pass	
			30	120	5825.040	5725 to 5850	Pass	
		40	120	5825.020	5725 to 5850	Pass		
		50	120	5825.060	5725 to 5850	Pass		
		5190	20	102	5190.080	5150 to 5250	Pass	
				120	5190.120	5150 to 5250	Pass	
				138	5190.120	5150 to 5250	Pass	
			-30	120	5190.120	5150 to 5250	Pass	
			-20	120	5190.120	5150 to 5250	Pass	
			-10	120	5190.080	5150 to 5250	Pass	
			0	120	5190.040	5150 to 5250	Pass	
			10	120	5190.080	5150 to 5250	Pass	
			30	120	5190.040	5150 to 5250	Pass	
			40	120	5190.040	5150 to 5250	Pass	
			50	120	5190.000	5150 to 5250	Pass	
			5230	20	102	5230.080	5150 to 5250	Pass
					120	5230.120	5150 to 5250	Pass
		138			5230.040	5150 to 5250	Pass	
		-30		120	5230.080	5150 to 5250	Pass	
		-20		120	5230.160	5150 to 5250	Pass	
		-10		120	5230.120	5150 to 5250	Pass	
		0		120	5230.120	5150 to 5250	Pass	
		10		120	5230.120	5150 to 5250	Pass	
30	120	5230.080		5150 to 5250	Pass			
40	120	5230.120		5150 to 5250	Pass			
50	120	5230.120	5150 to 5250	Pass				
5270	20	102	5270.160	5250 to 5350	Pass			
		120	5270.120	5250 to 5350	Pass			
		138	5270.080	5250 to 5350	Pass			
	-30	120	5270.160	5250 to 5350	Pass			
	-20	120	5270.080	5250 to 5350	Pass			
	-10	120	5270.080	5250 to 5350	Pass			
	0	120	5270.080	5250 to 5350	Pass			
	10	120	5270.120	5250 to 5350	Pass			
	30	120	5270.000	5250 to 5350	Pass			
	40	120	5270.040	5250 to 5350	Pass			
50	120	5270.120	5250 to 5350	Pass				
5310	20	102	5310.120	5250 to 5350	Pass			
		120	5310.040	5250 to 5350	Pass			
		138	5310.080	5250 to 5350	Pass			
	-30	120	5310.160	5250 to 5350	Pass			

802.11n
(HT40)

SISO



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			-20	120	5310.080	5250 to 5350	Pass	
			-10	120	5310.080	5250 to 5350	Pass	
			0	120	5310.040	5250 to 5350	Pass	
			10	120	5310.040	5250 to 5350	Pass	
			30	120	5310.080	5250 to 5350	Pass	
			40	120	5310.080	5250 to 5350	Pass	
			50	120	5310.080	5250 to 5350	Pass	
		5510	20	102	5510.080	5470 to 5725	Pass	
				120	5510.080	5470 to 5725	Pass	
				138	5510.040	5470 to 5725	Pass	
			-30	120	5510.120	5470 to 5725	Pass	
			-20	120	5510.040	5470 to 5725	Pass	
			-10	120	5510.080	5470 to 5725	Pass	
			0	120	5510.000	5470 to 5725	Pass	
			10	120	5510.080	5470 to 5725	Pass	
			30	120	5510.080	5470 to 5725	Pass	
			40	120	5510.000	5470 to 5725	Pass	
			50	120	5510.040	5470 to 5725	Pass	
			5550	20	102	5550.080	5470 to 5725	Pass
					120	5550.120	5470 to 5725	Pass
		138			5550.080	5470 to 5725	Pass	
		-30		120	5550.040	5470 to 5725	Pass	
		-20		120	5550.080	5470 to 5725	Pass	
		-10		120	5550.120	5470 to 5725	Pass	
		0		120	5550.160	5470 to 5725	Pass	
		10		120	5550.080	5470 to 5725	Pass	
		30		120	5550.120	5470 to 5725	Pass	
		40		120	5550.080	5470 to 5725	Pass	
		50		120	5550.080	5470 to 5725	Pass	
		5670		20	102	5670.080	5470 to 5725	Pass
					120	5670.080	5470 to 5725	Pass
			138		5670.080	5470 to 5725	Pass	
			-30	120	5670.040	5470 to 5725	Pass	
			-20	120	5670.040	5470 to 5725	Pass	
			-10	120	5670.120	5470 to 5725	Pass	
			0	120	5670.080	5470 to 5725	Pass	
			10	120	5670.080	5470 to 5725	Pass	
			30	120	5670.080	5470 to 5725	Pass	
			40	120	5670.040	5470 to 5725	Pass	
			50	120	5670.040	5470 to 5725	Pass	
			5755	20	102	5755.080	5725 to 5850	Pass
					120	5755.040	5725 to 5850	Pass
		138			5755.040	5725 to 5850	Pass	
		-30		120	5755.040	5725 to 5850	Pass	
		-20		120	5755.080	5725 to 5850	Pass	
		-10		120	5755.000	5725 to 5850	Pass	
		0		120	5755.040	5725 to 5850	Pass	
		10		120	5755.120	5725 to 5850	Pass	
		30		120	5755.040	5725 to 5850	Pass	
		40		120	5755.040	5725 to 5850	Pass	
50	120	5755.080		5725 to 5850	Pass			
5795	20	102		5795.120	5725 to 5850	Pass		



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				120	5795.080	5725 to 5850	Pass	
				138	5795.080	5725 to 5850	Pass	
				-30	120	5795.040	5725 to 5850	Pass
				-20	120	5795.080	5725 to 5850	Pass
				-10	120	5795.000	5725 to 5850	Pass
				0	120	5795.120	5725 to 5850	Pass
				10	120	5795.040	5725 to 5850	Pass
				30	120	5795.080	5725 to 5850	Pass
				40	120	5795.080	5725 to 5850	Pass
				50	120	5795.040	5725 to 5850	Pass
802.11ac (VHT80)	SISO	5210	20	102	5210.150	5150 to 5250	Pass	
				120	5210.075	5150 to 5250	Pass	
				138	5210.150	5150 to 5250	Pass	
			-30	120	5210.150	5150 to 5250	Pass	
			-20	120	5210.225	5150 to 5250	Pass	
			-10	120	5210.150	5150 to 5250	Pass	
			0	120	5210.150	5150 to 5250	Pass	
			10	120	5210.225	5150 to 5250	Pass	
			30	120	5210.075	5150 to 5250	Pass	
			40	120	5210.150	5150 to 5250	Pass	
			50	120	5210.150	5150 to 5250	Pass	
			5290	20	102	5290.075	5250 to 5350	Pass
					120	5290.150	5250 to 5350	Pass
					138	5290.150	5250 to 5350	Pass
				-30	120	5290.075	5250 to 5350	Pass
				-20	120	5290.150	5250 to 5350	Pass
				-10	120	5290.150	5250 to 5350	Pass
				0	120	5290.150	5250 to 5350	Pass
		10		120	5290.150	5250 to 5350	Pass	
		30		120	5290.075	5250 to 5350	Pass	
		40		120	5290.150	5250 to 5350	Pass	
		50		120	5290.150	5250 to 5350	Pass	
		5530		20	102	5530.150	5470 to 5725	Pass
					120	5530.075	5470 to 5725	Pass
					138	5530.075	5470 to 5725	Pass
				-30	120	5530.150	5470 to 5725	Pass
			-20	120	5530.225	5470 to 5725	Pass	
			-10	120	5530.075	5470 to 5725	Pass	
			0	120	5530.225	5470 to 5725	Pass	
			10	120	5530.150	5470 to 5725	Pass	
			30	120	5530.150	5470 to 5725	Pass	
			40	120	5530.075	5470 to 5725	Pass	
			50	120	5530.150	5470 to 5725	Pass	
			5610	20	102	5610.150	5470 to 5725	Pass
					120	5610.075	5470 to 5725	Pass
					138	5610.075	5470 to 5725	Pass
				-30	120	5610.150	5470 to 5725	Pass
		-20		120	5610.075	5470 to 5725	Pass	
		-10		120	5610.150	5470 to 5725	Pass	
		0		120	5610.075	5470 to 5725	Pass	
		10		120	5610.075	5470 to 5725	Pass	
		30		120	5610.075	5470 to 5725	Pass	



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			40	120	5610.075	5470 to 5725	Pass
			50	120	5610.150	5470 to 5725	Pass
		5775	20	102	5775.075	5725 to 5850	Pass
				120	5775.000	5725 to 5850	Pass
				138	5775.000	5725 to 5850	Pass
			-30	120	5775.075	5725 to 5850	Pass
			-20	120	5775.000	5725 to 5850	Pass
			-10	120	5775.075	5725 to 5850	Pass
			0	120	5775.075	5725 to 5850	Pass
			10	120	5775.000	5725 to 5850	Pass
			30	120	5775.075	5725 to 5850	Pass
			40	120	5775.075	5725 to 5850	Pass
			50	120	5775.075	5725 to 5850	Pass



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6. Signal Calibration

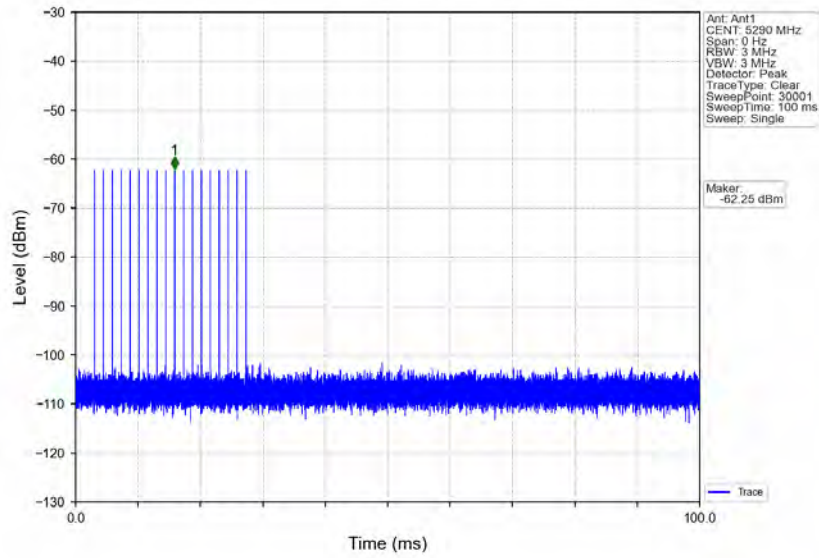
6.1 SC

6.1.1 Test Result

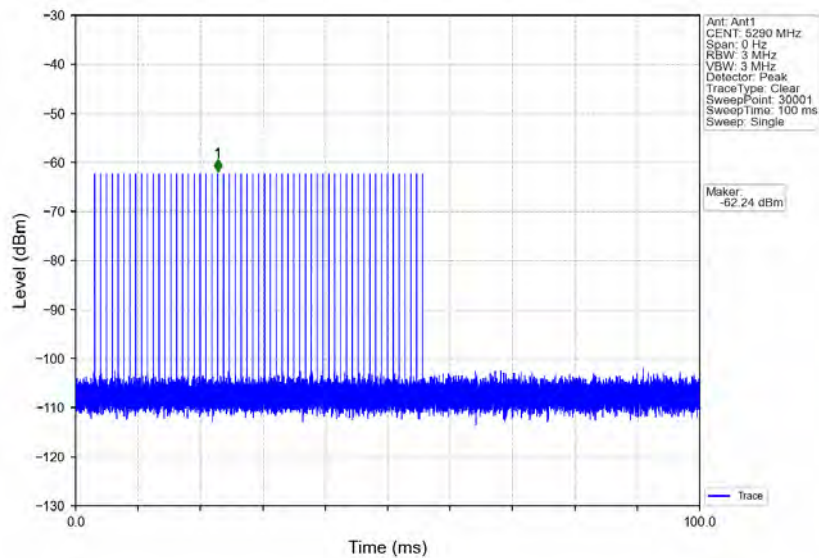
Band: 2A							
Mode	Bandwidth (MHz)	Frequency (MHz)	Radar Signal		Signal Calibration		Verdict
			Type	Trial Id	Result	Limit	
802.11ac (VHT80)	80	5290	0	0	Refer To Test Graph		Pass
			1	0	Refer To Test Graph		Pass
			2	0	Refer To Test Graph		Pass
			3	0	Refer To Test Graph		Pass
			4	0	Refer To Test Graph		Pass
			5	0	Refer To Test Graph		Pass
			6	0	Refer To Test Graph		Pass

6.1.2 Test Graph

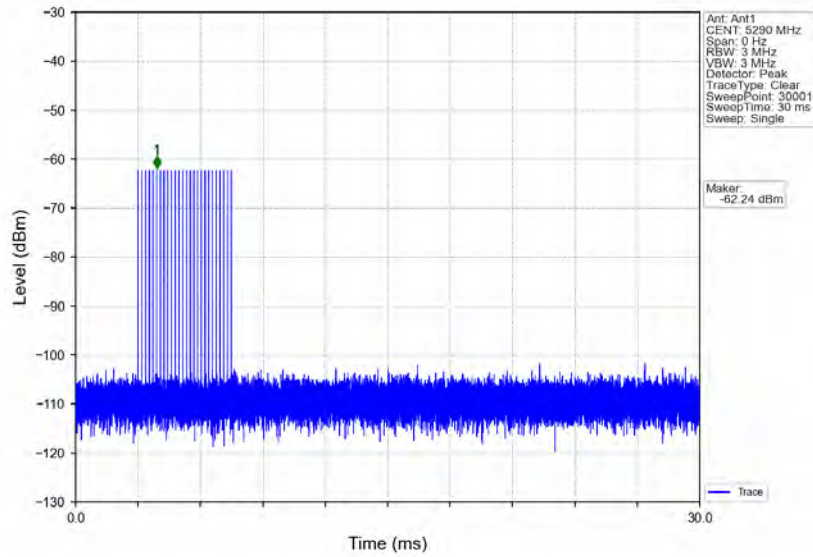
Signal Calibration 802.11ac(VHT80) 2A 5290MHz RadarType0 Trial0



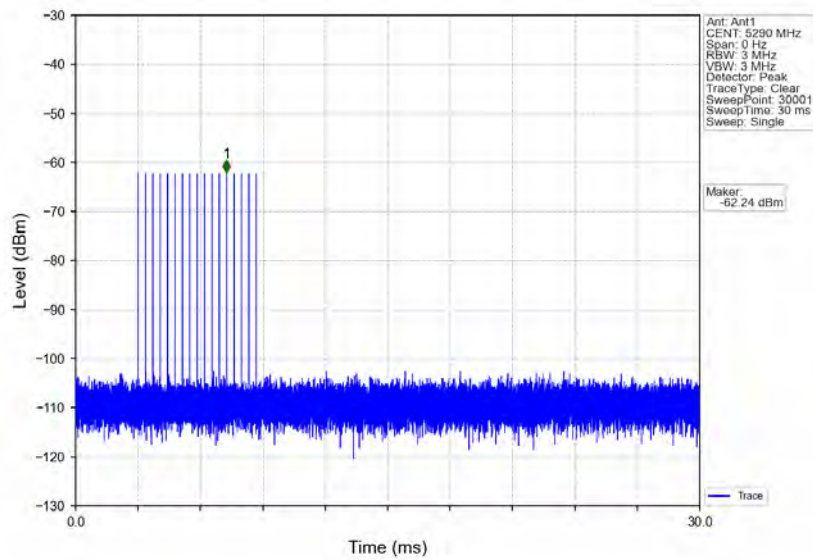
Signal Calibration 802.11ac(VHT80) 2A 5290MHz RadarType1 Trial0



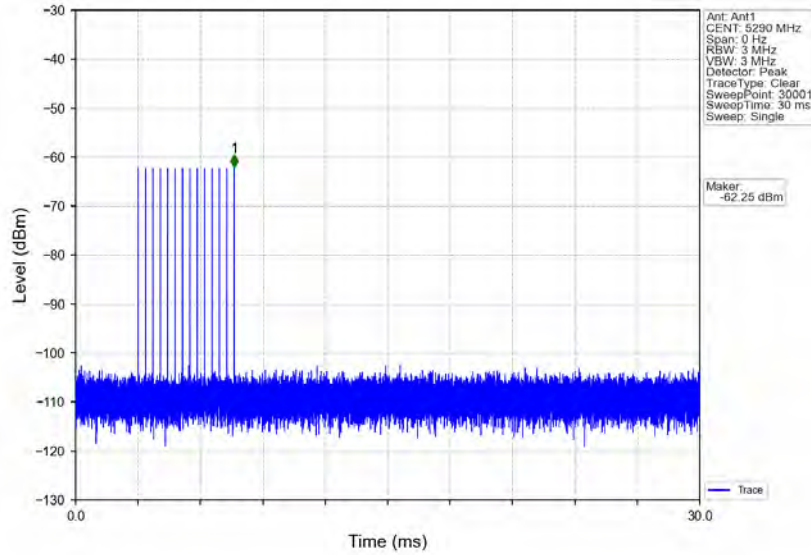
Signal Calibration 802.11ac(VHT80) 2A 5290MHz RadarType2 Trial0



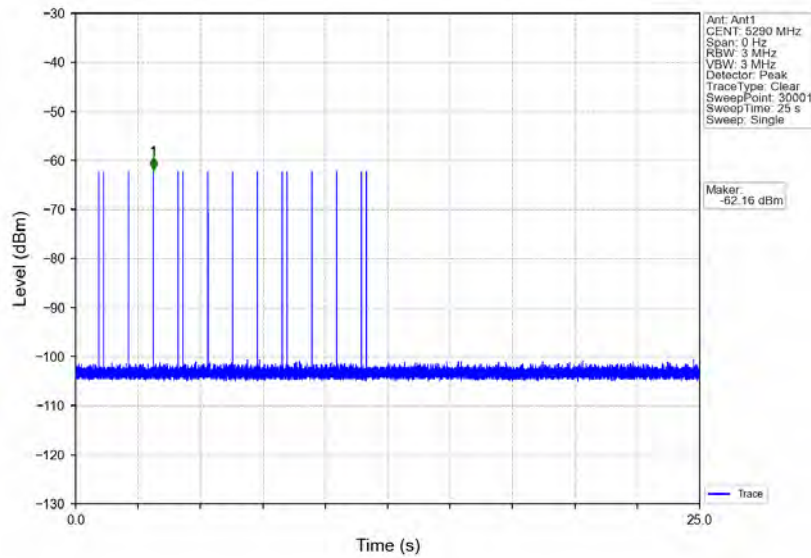
Signal Calibration 802.11ac(VHT80) 2A 5290MHz RadarType3 Trial0



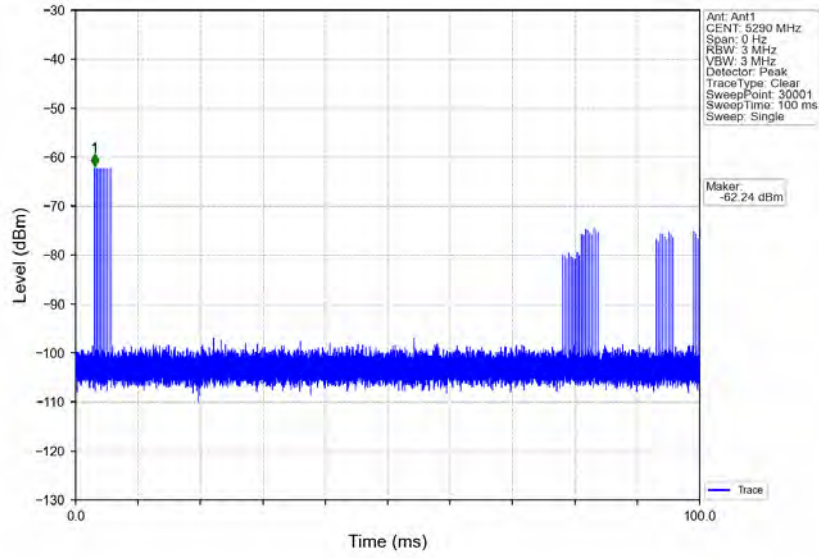
Signal Calibration 802.11ac(VHT80) 2A 5290MHz RadarType4 Trial0



Signal Calibration 802.11ac(VHT80) 2A 5290MHz RadarType5 Trial0



Signal Calibration 802.11ac(VHT80) 2A 5290MHz RadarType6 Trial0





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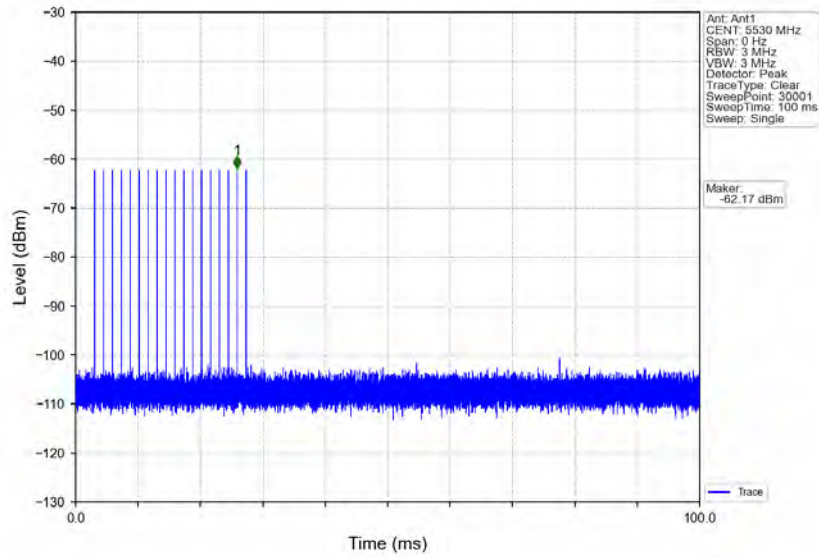
6.2 SC

6.2.1 Test Result

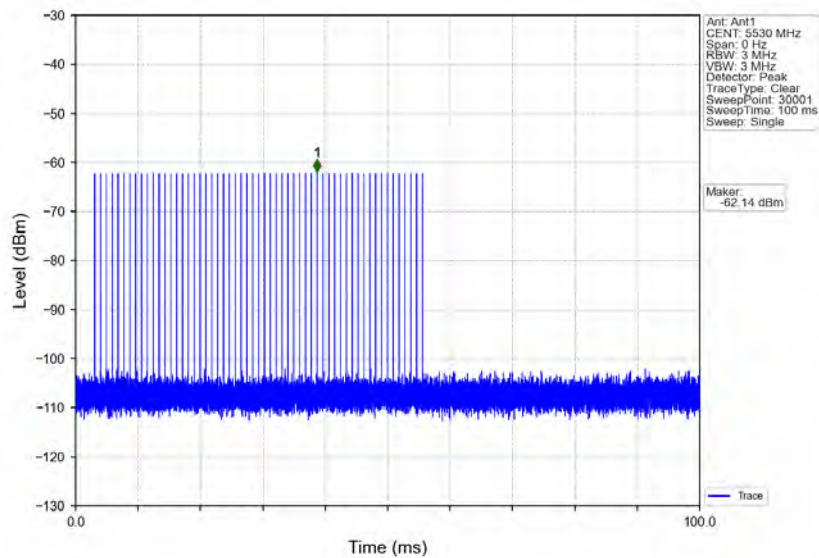
Band: 2C							
Mode	Bandwidth (MHz)	Frequency (MHz)	Radar Signal		Signal Calibration		Verdict
			Type	Trial Id	Result	Limit	
802.11ac (VHT80)	80	5530	0	0	Refer To Test Graph		Pass
			1	0	Refer To Test Graph		Pass
			2	0	Refer To Test Graph		Pass
			3	0	Refer To Test Graph		Pass
			4	0	Refer To Test Graph		Pass
			5	0	Refer To Test Graph		Pass
			6	0	Refer To Test Graph		Pass

6.2.2 Test Graph

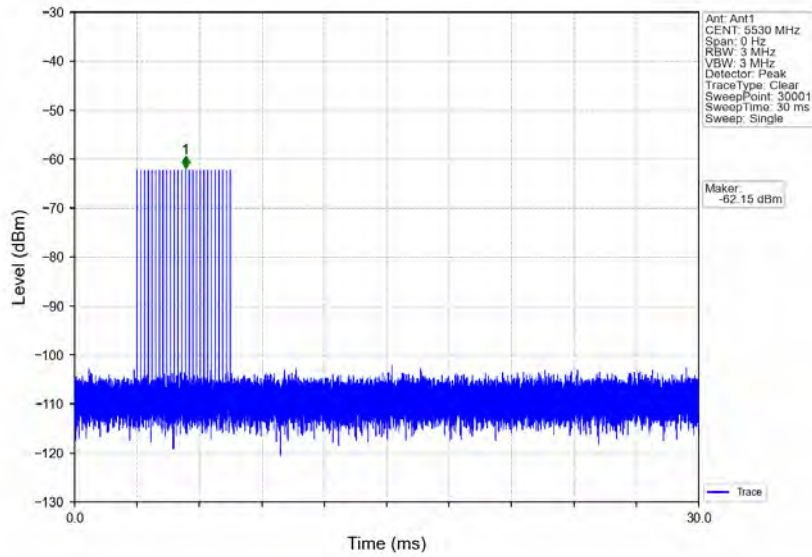
Signal Calibration 802.11ac(VHT80) 2C 5530MHz RadarType0 Trial0



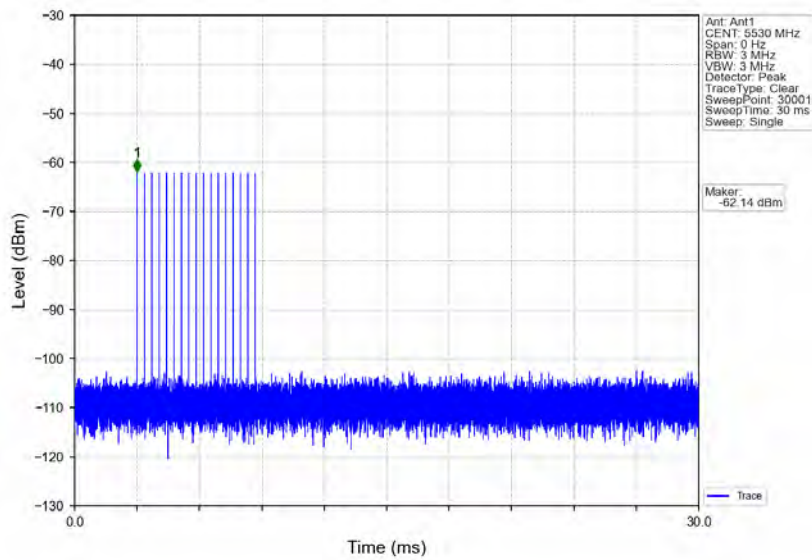
Signal Calibration 802.11ac(VHT80) 2C 5530MHz RadarType1 Trial0



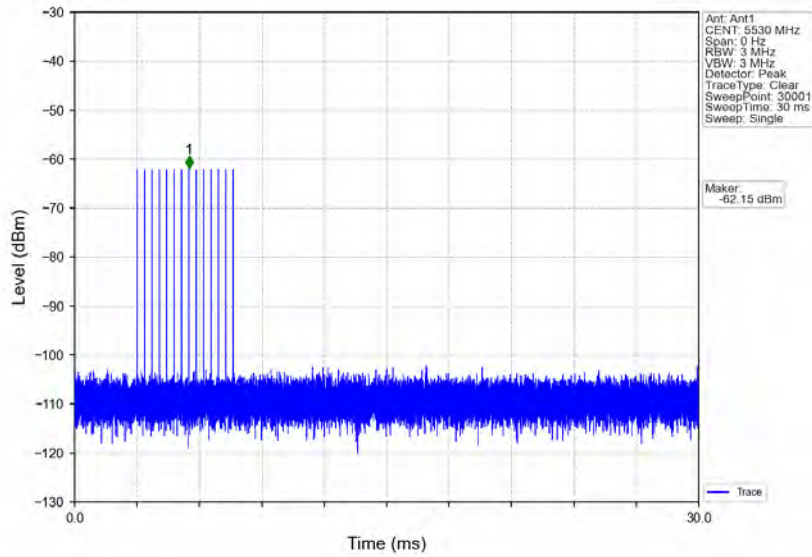
Signal Calibration 802.11ac(VHT80) 2C 5530MHz RadarType2 Trial0



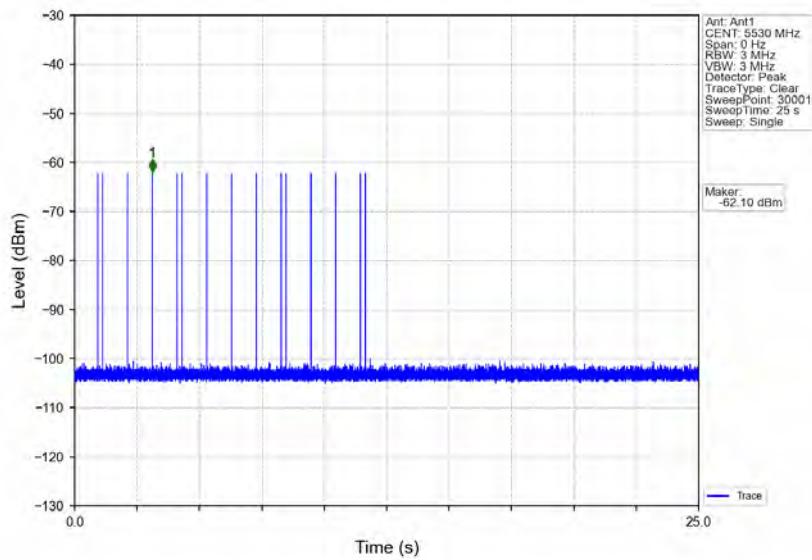
Signal Calibration 802.11ac(VHT80) 2C 5530MHz RadarType3 Trial0



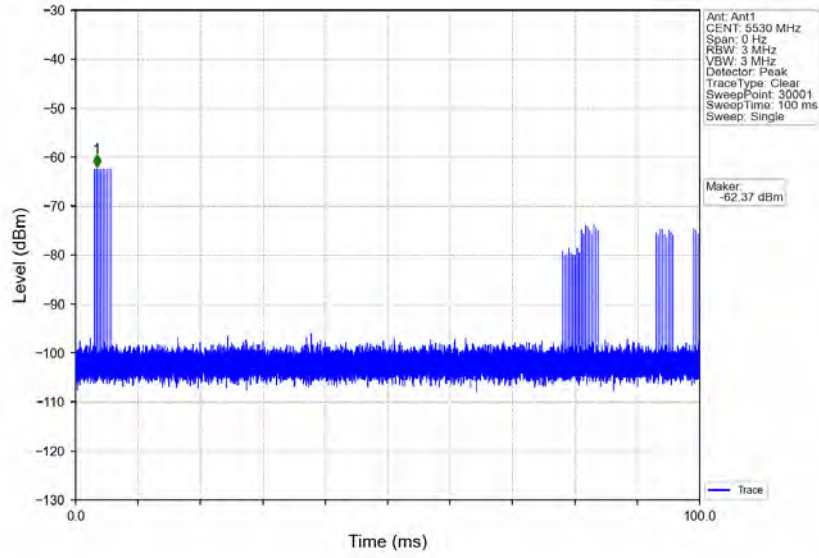
Signal Calibration 802.11ac(VHT80) 2C 5530MHz RadarType4 Trial0



Signal Calibration 802.11ac(VHT80) 2C 5530MHz RadarType5 Trial0



Signal Calibration 802.11ac(VHT80) 2C 5530MHz RadarType6 Trial0





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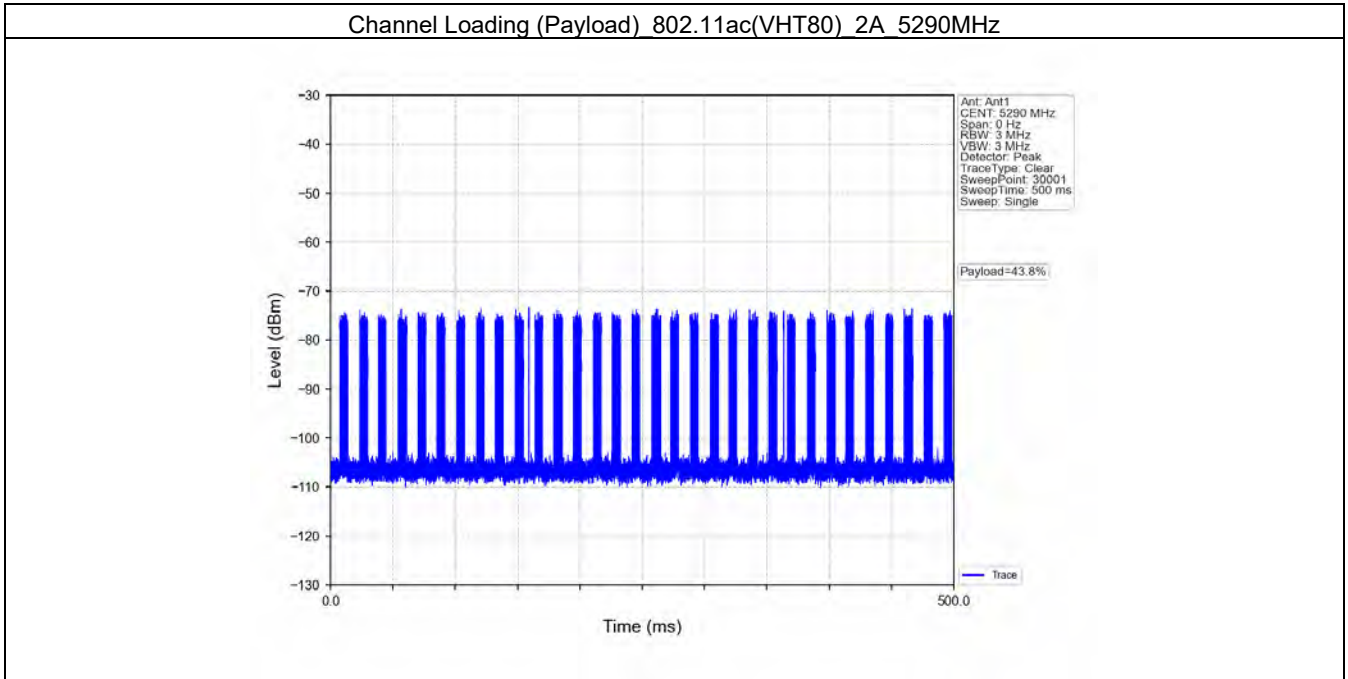
7. Channel Loading (Payload)

7.1 Payload

7.1.1 Test Result

Band: 2A					
Mode	Bandwidth (MHz)	Frequency (MHz)	Channel Loading (Payload) (%)		Verdict
			Result	Limit	
802.11ac (VHT80)	80	5290	43.80	≥ 17	Pass

7.1.2 Test Graph





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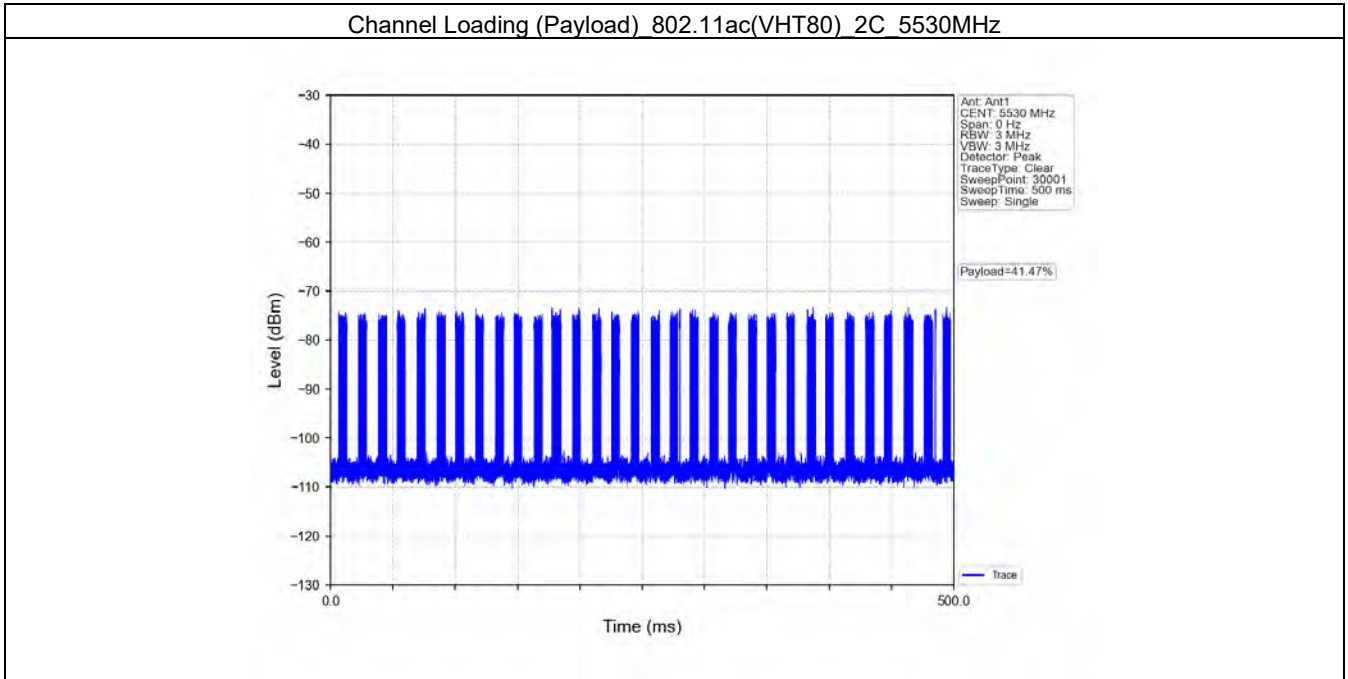
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7.2 Payload

7.2.1 Test Result

Band: 2C					
Mode	Bandwidth (MHz)	Frequency (MHz)	Channel Loading (Payload) (%)		Verdict
			Result	Limit	
802.11ac (VHT80)	80	5530	41.47	≥ 17	Pass

7.2.2 Test Graph





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8. Channel Move Time and Closing Transmission Time

8.1 CMT_CTT

8.1.1 Test Result

Band: 2A					
Mode	Bandwidth (MHz)	Frequency (MHz)	Channel Move Time and Closing Transmission Time		Verdict
			Result	Limit	
802.11ac (VHT80)	80	5290	Refer To Test Graph		Pass



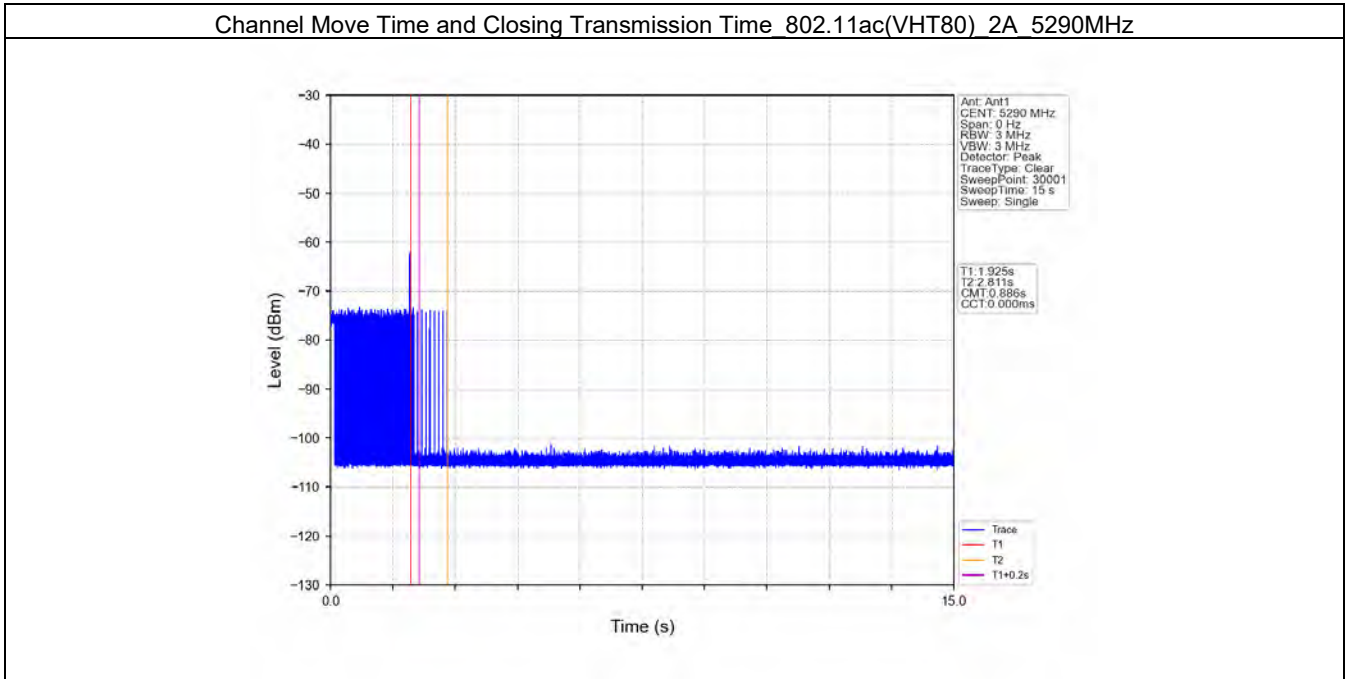
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8.1.2 Test Graph





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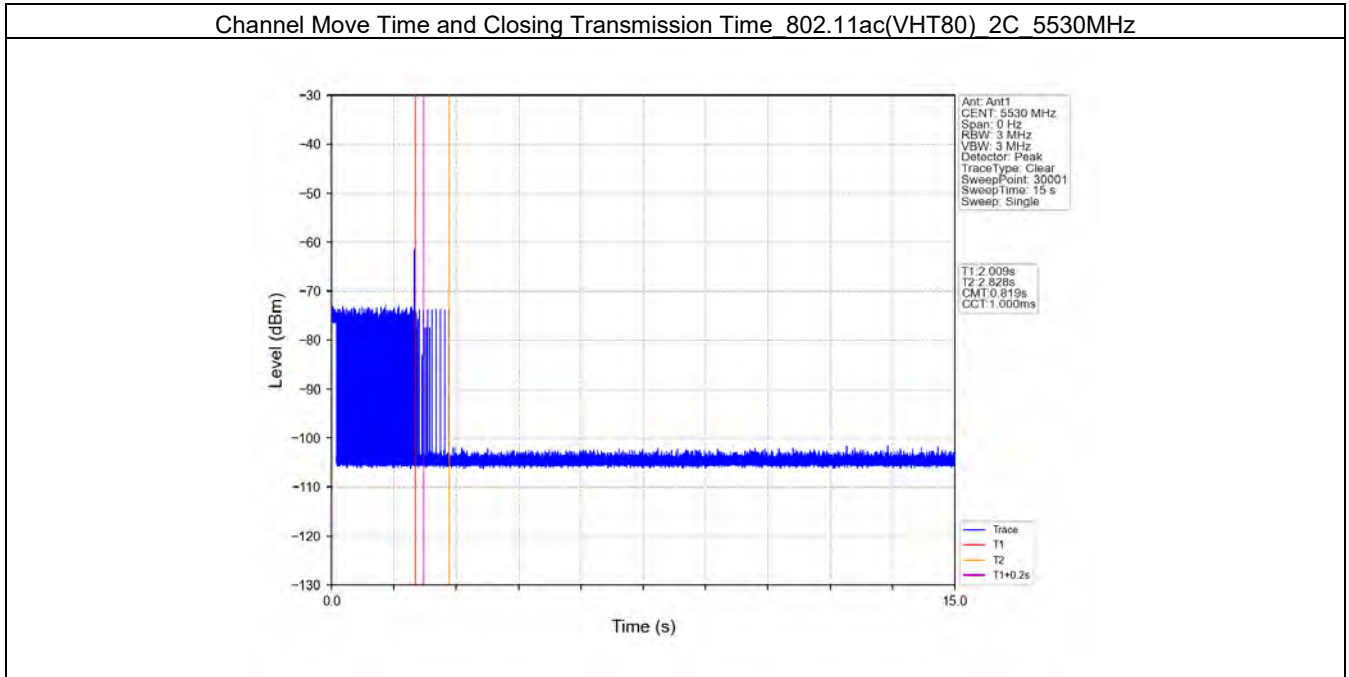
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8.2 CMT_CTT

8.2.1 Test Result

Band: 2C					
Mode	Bandwidth (MHz)	Frequency (MHz)	Channel Move Time and Closing Transmission Time		Verdict
			Result	Limit	
802.11ac (VHT80)	80	5530	Refer To Test Graph		Pass

8.2.2 Test Graph



- End of the Report -