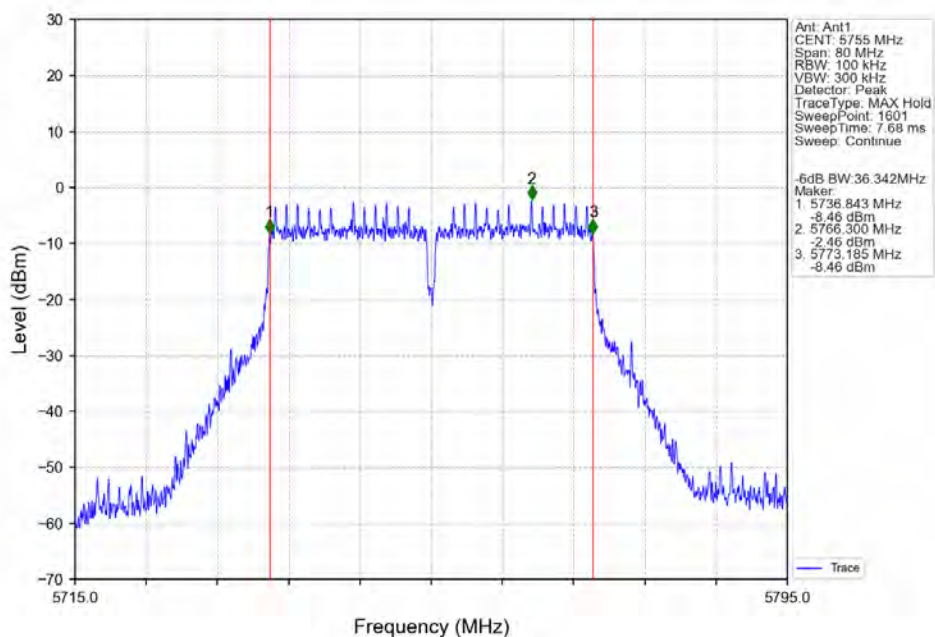
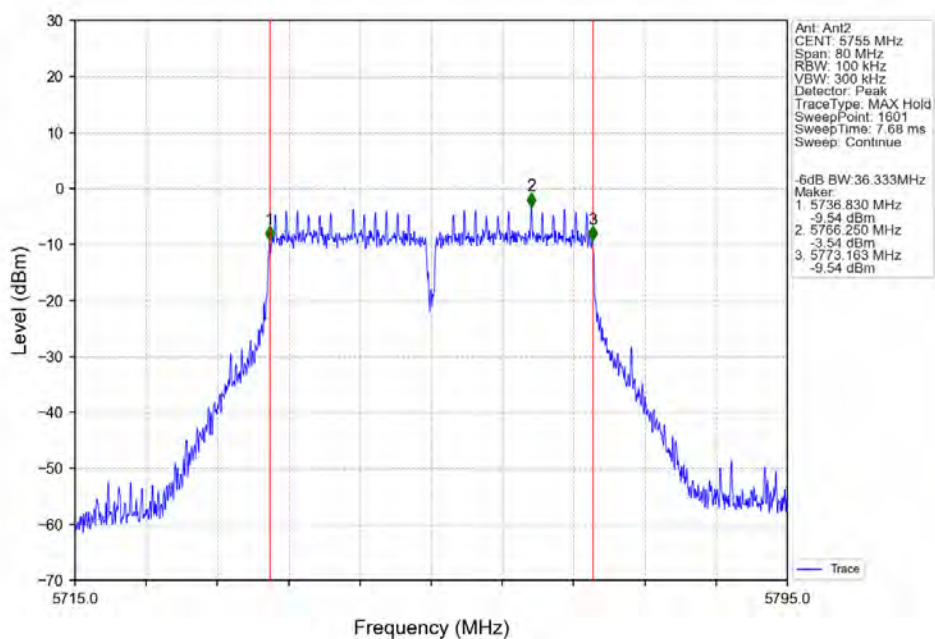


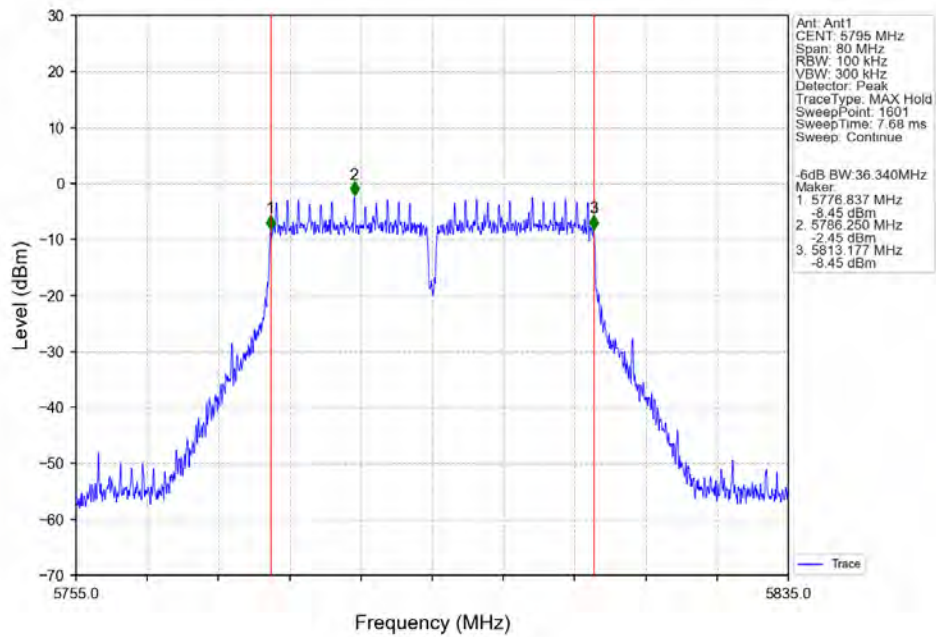
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



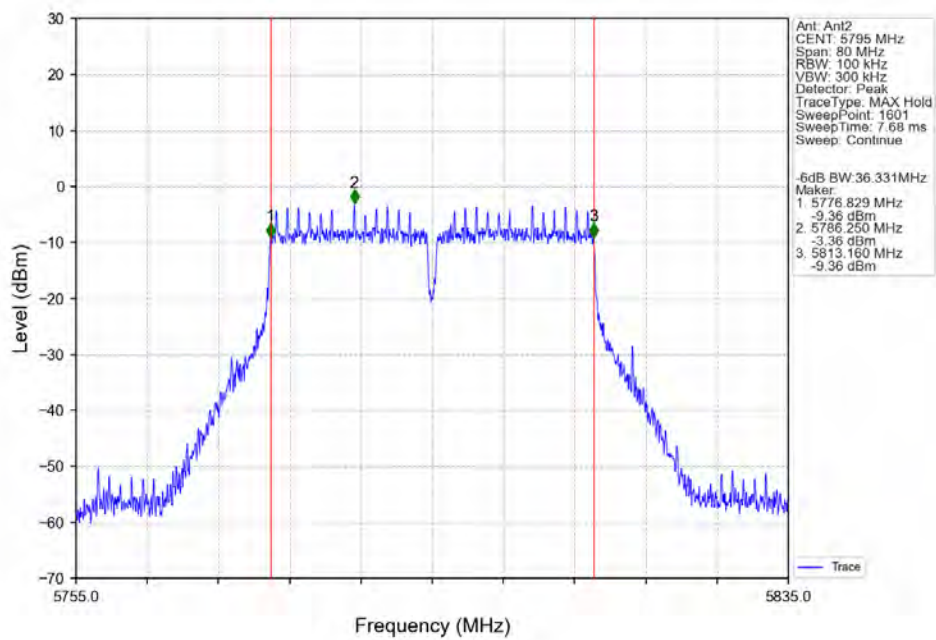
802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



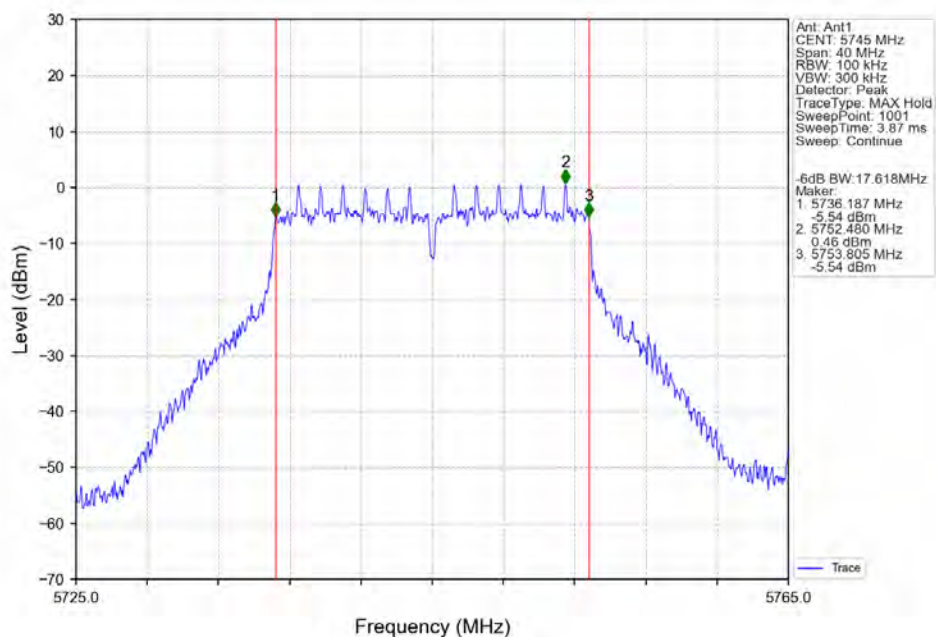
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



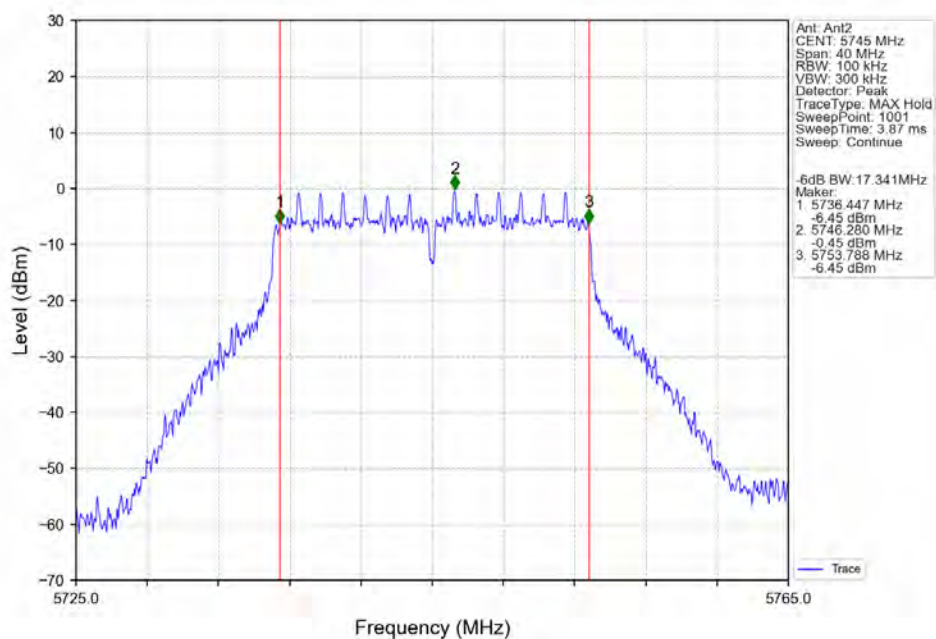
802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



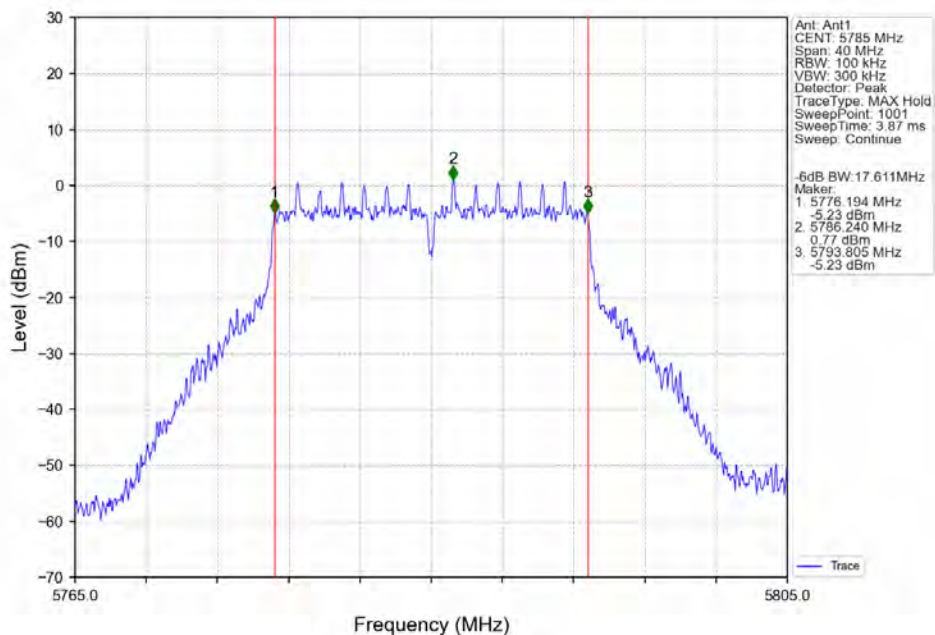
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



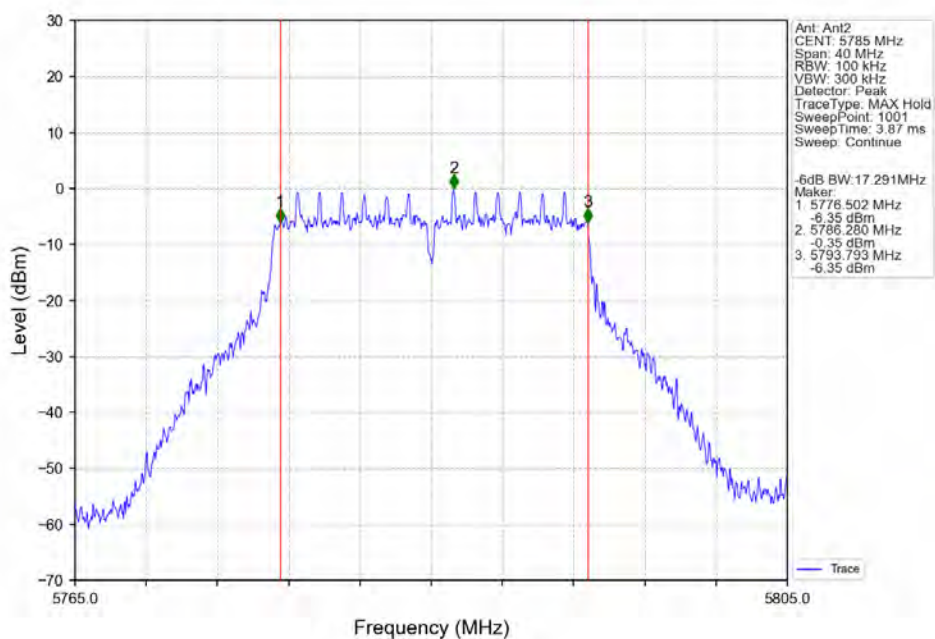
802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV



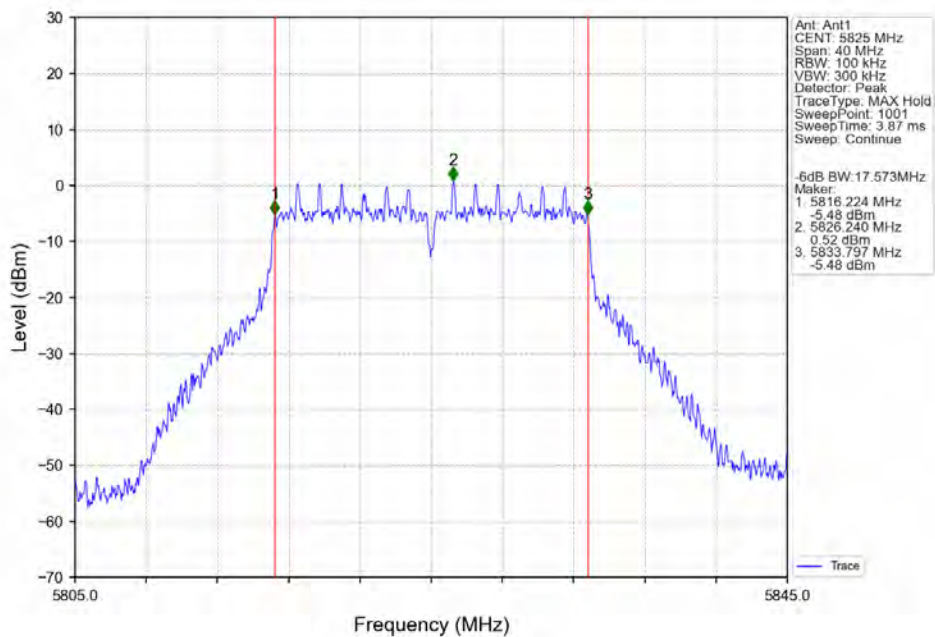
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



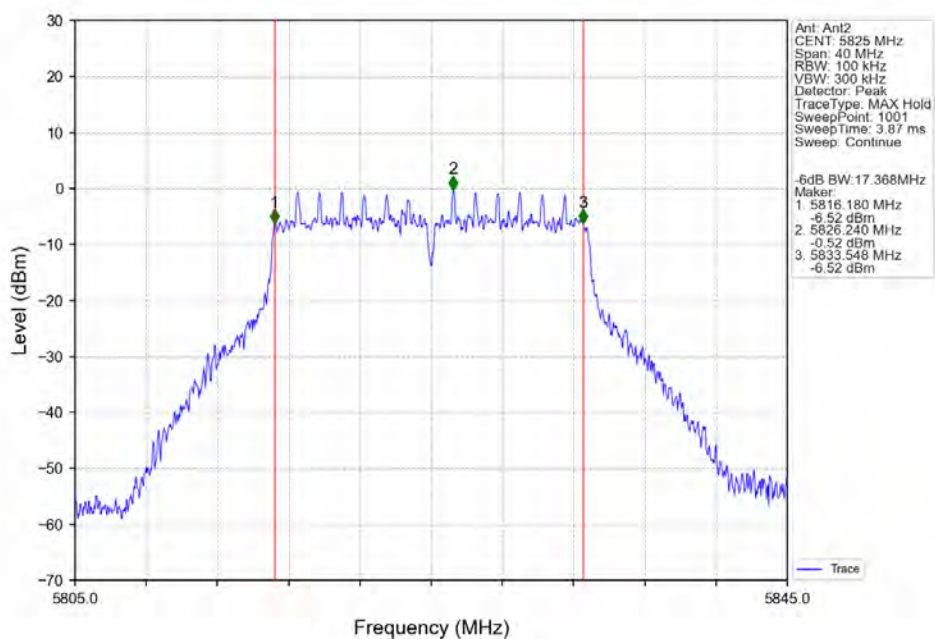
802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



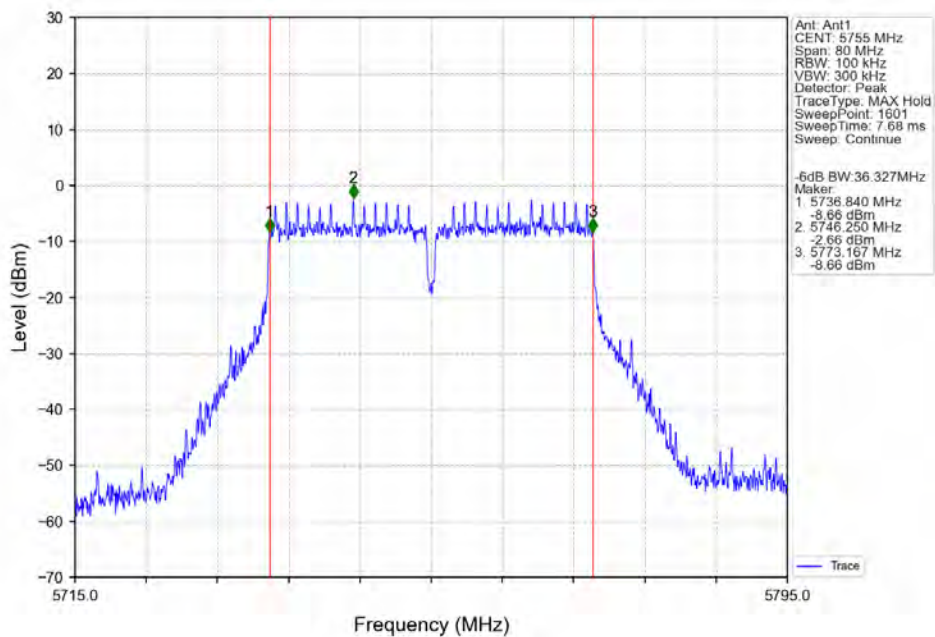
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



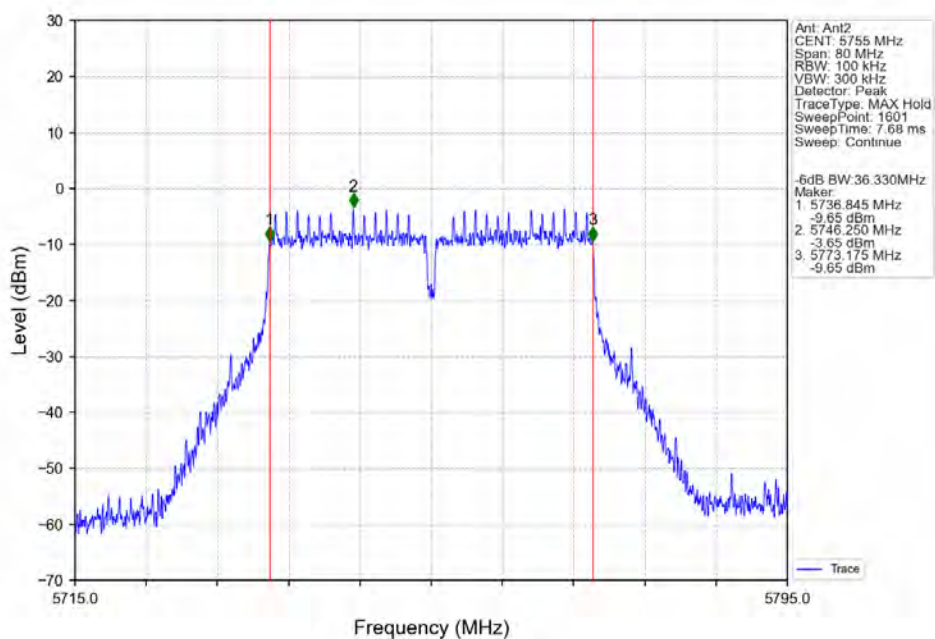
802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



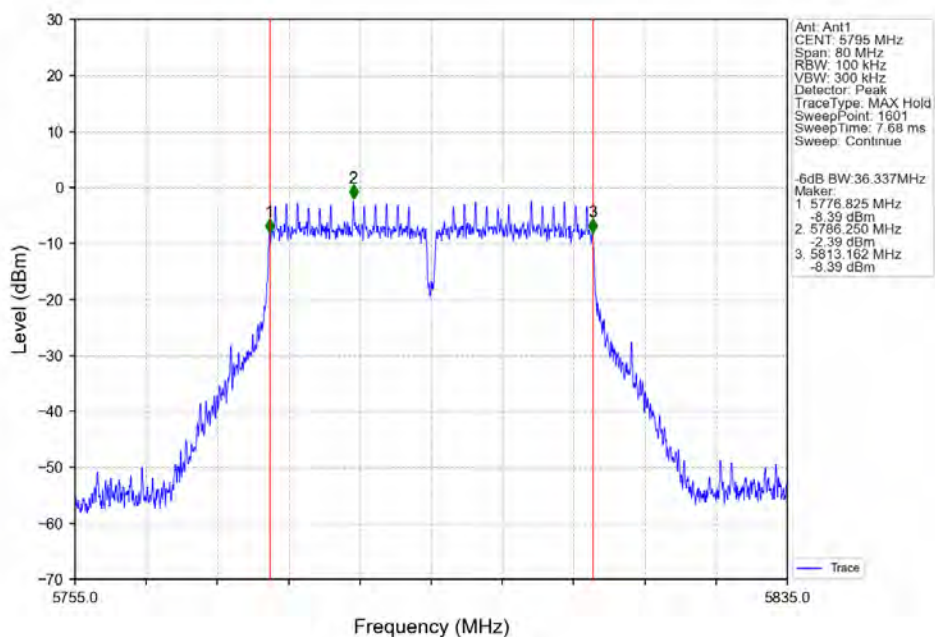
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



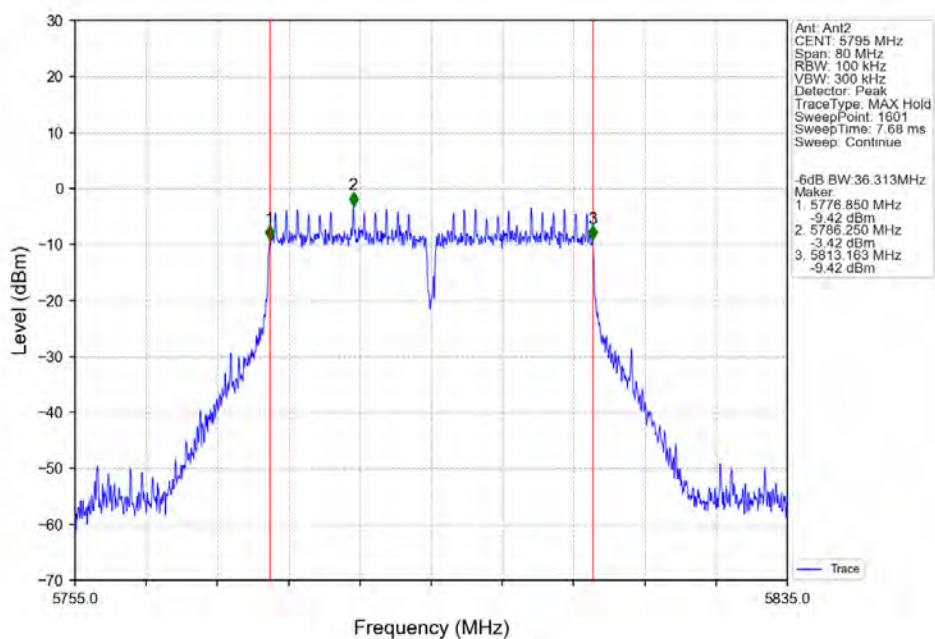
802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



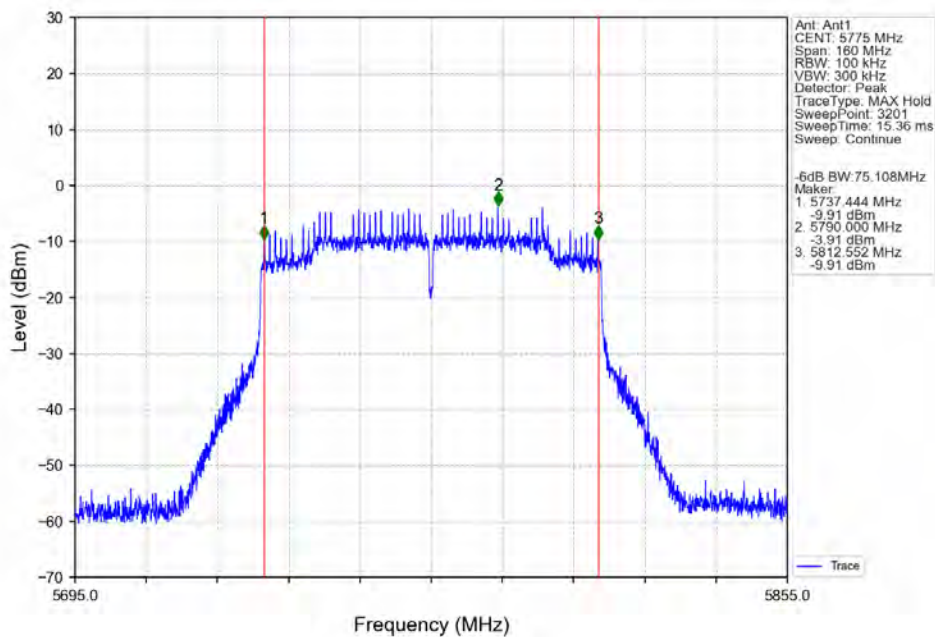
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



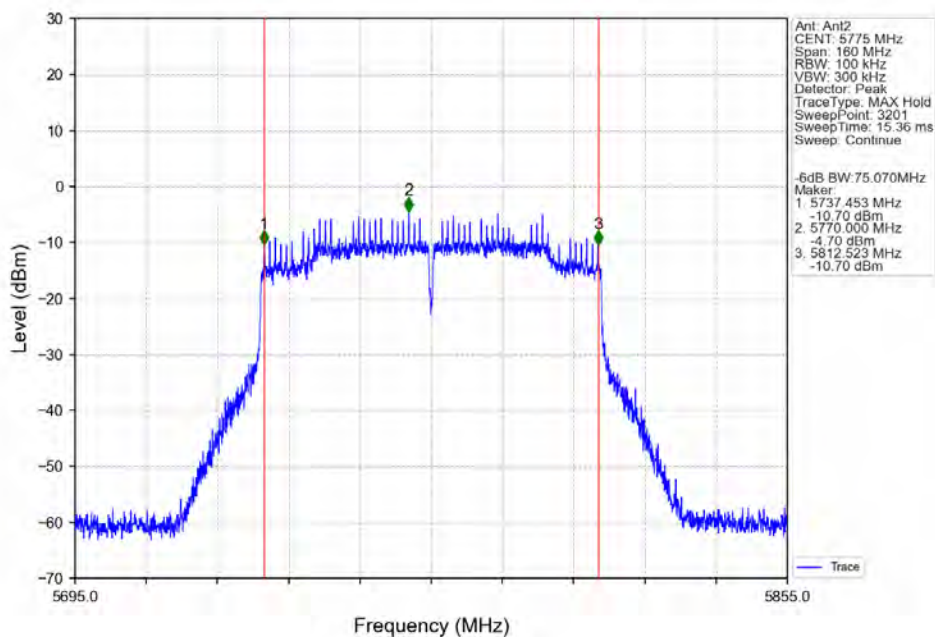
802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



3. Maximum Conducted Output Power

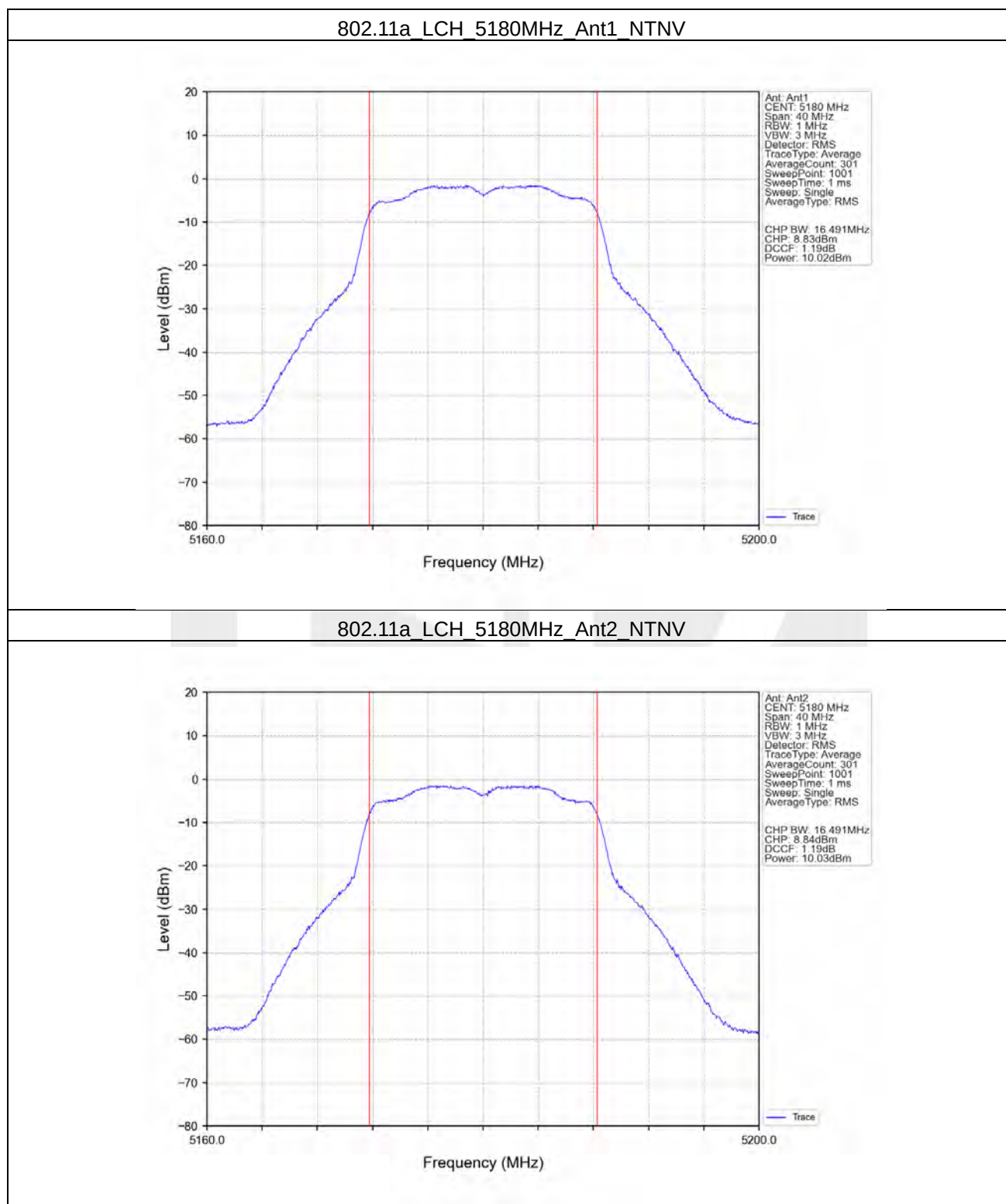
3.1 Test Result

3.1.1 Power

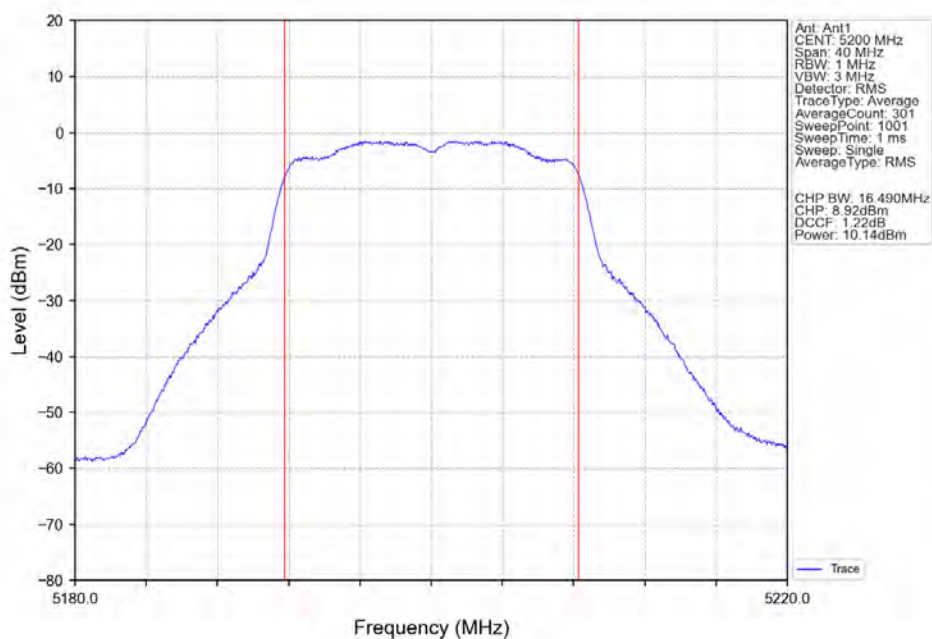
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	10.02	10.03	/	<=23.98	Pass
		5200	10.14	10.21	/	<=23.98	Pass
		5240	10.23	10.62	/	<=23.98	Pass
		5745	7.15	9.92	/	<=30	Pass
		5785	7.43	10.03	/	<=30	Pass
		5825	7.73	9.95	/	<=30	Pass
802.11n (HT20)	SISO	5180	11.08	9.98	13.58	<=23.98	Pass
		5200	11.41	10.24	13.87	<=23.98	Pass
		5240	11.69	10.50	14.15	<=23.98	Pass
		5745	11.17	9.94	13.61	<=30	Pass
		5785	11.16	10.10	13.67	<=30	Pass
		5825	10.95	9.99	13.51	<=30	Pass
802.11n (HT40)	SISO	5190	11.44	10.25	13.90	<=23.98	Pass
		5230	11.92	10.73	14.38	<=23.98	Pass
		5755	11.13	9.92	13.58	<=30	Pass
		5795	11.11	10.10	13.64	<=30	Pass
802.11ac (VHT20)	SISO	5180	11.15	10.00	13.62	<=23.98	Pass
		5200	11.39	10.19	13.84	<=23.98	Pass
		5240	11.69	10.43	14.12	<=23.98	Pass
		5745	11.17	9.94	13.61	<=30	Pass
		5785	11.23	10.09	13.71	<=30	Pass
		5825	11.00	9.97	13.53	<=30	Pass
802.11ac (VHT40)	SISO	5190	11.39	10.19	13.84	<=23.98	Pass
		5230	11.90	10.70	14.35	<=23.98	Pass
		5755	11.13	9.90	13.57	<=30	Pass
		5795	11.12	10.02	13.62	<=30	Pass
802.11ac (VHT80)	SISO	5210	11.80	10.62	14.26	<=23.98	Pass
		5775	10.97	9.85	13.46	<=30	Pass
Note1: Antenna Gain: - Band: 1 Ant1: 2.35dBi; - Band: 3 Ant1: 2.35dBi; - Band: 1 Ant2: 2.35dBi; - Band: 3 Ant2: 2.35dBi; Note2: Directional Gain: U-NII-1: 5150 MHz to 5250 MHz: Correlated (Directional Gain =5.36 dBi) U-NII-3: 5725 MHz to 5850 MHz: Correlated (Directional Gain =5.36 dBi) Formulas: Directional gain = 10 log[(10 ^{G1/20} + 10 ^{G2/20} + ... + 10 ^{GN/20}) ² /NANT] dBi							

3.2 Test Graph

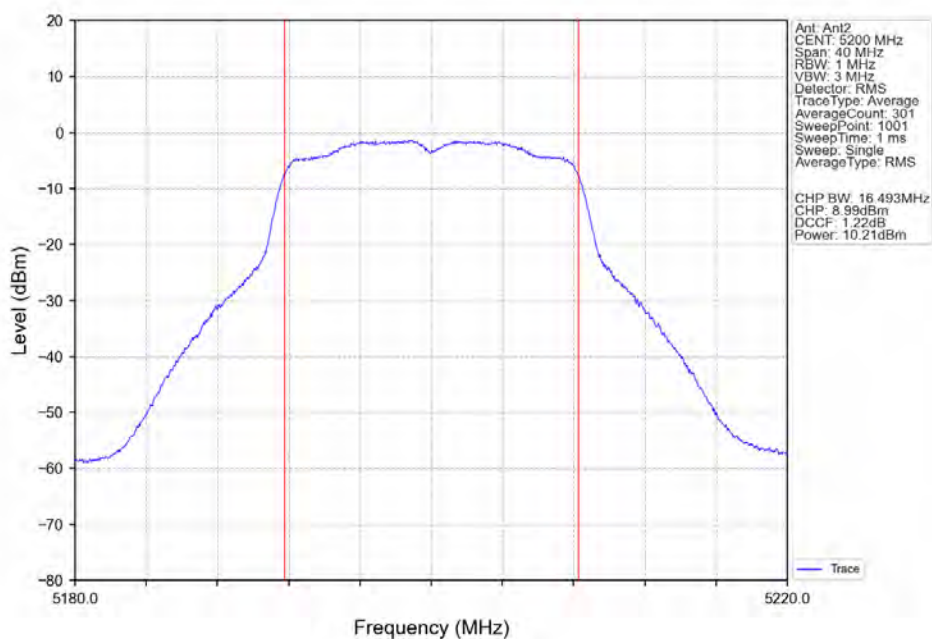
3.2.1 Power



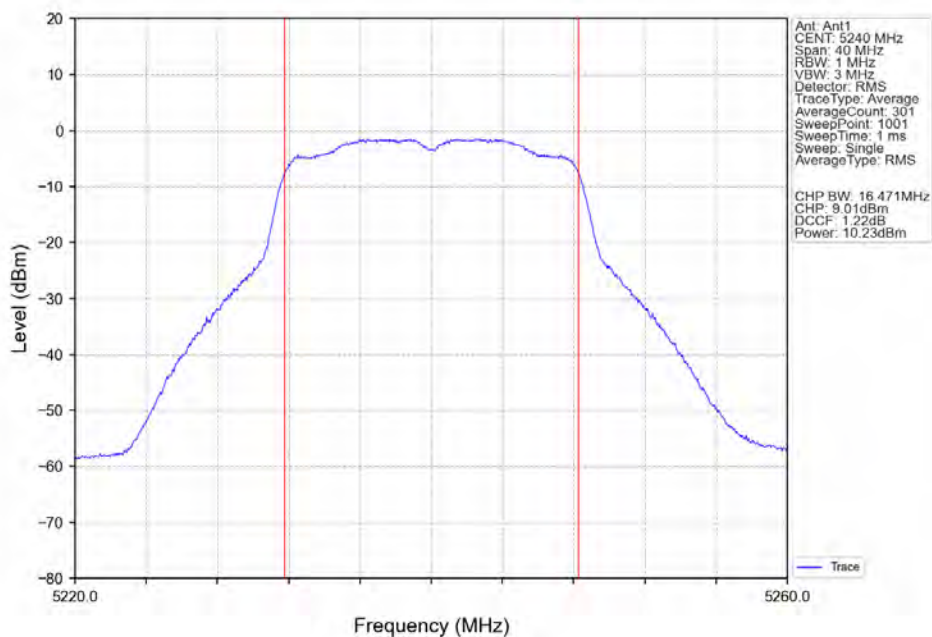
802.11a MCH 5200MHz Ant1 NTN



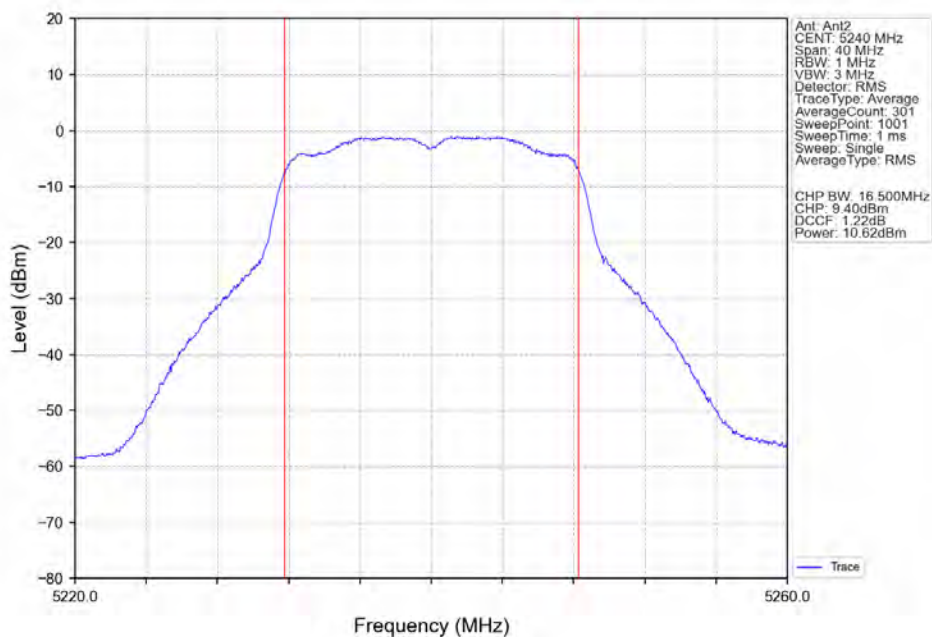
802.11a MCH 5200MHz Ant2 NTN



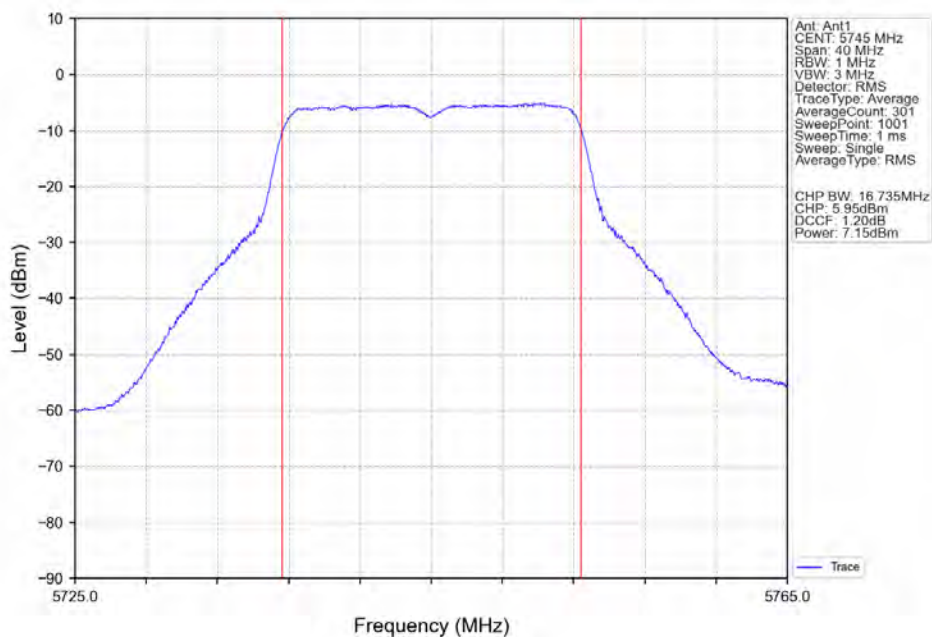
802.11a HCH 5240MHz Ant1 NTN



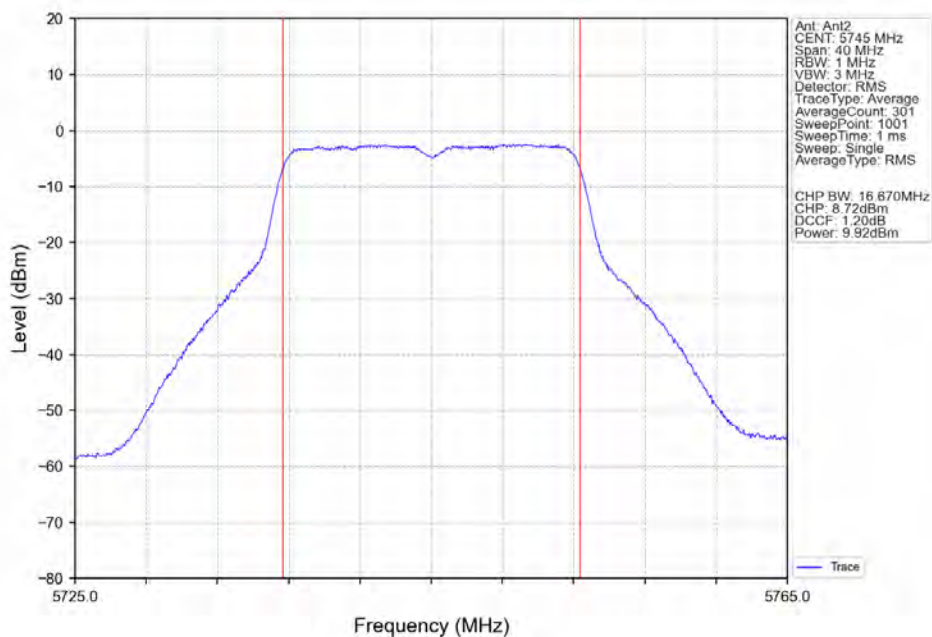
802.11a HCH 5240MHz Ant2 NTN



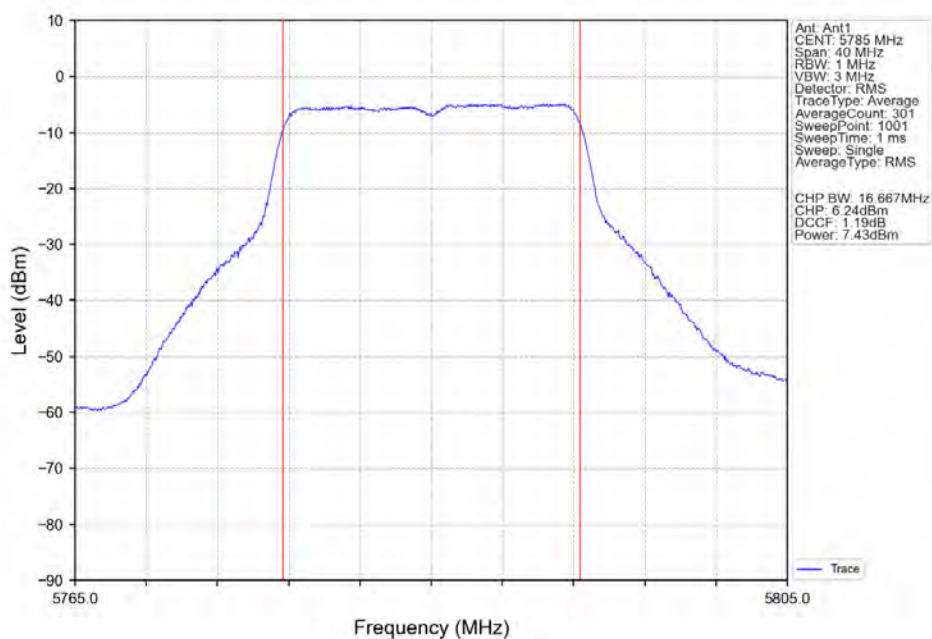
802.11a LCH 5745MHz Ant1 NTV



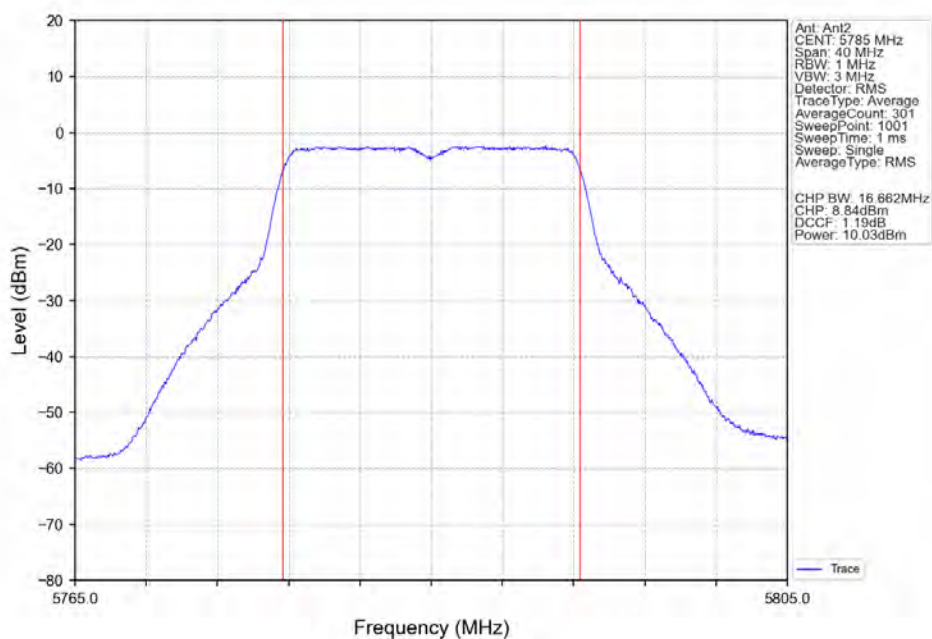
802.11a LCH 5745MHz Ant2 NTV



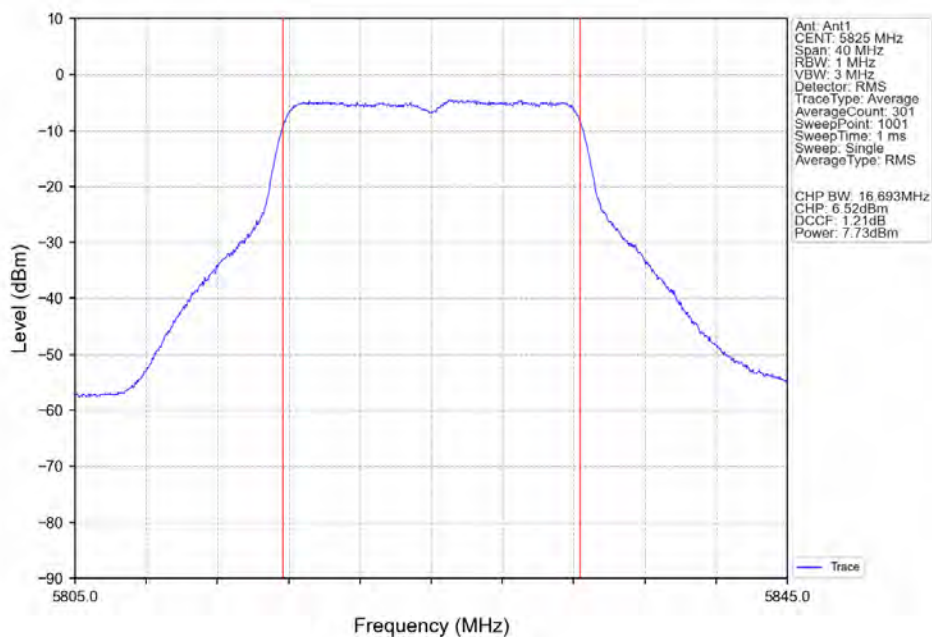
802.11a MCH_5785MHz_Ant1_NTNV



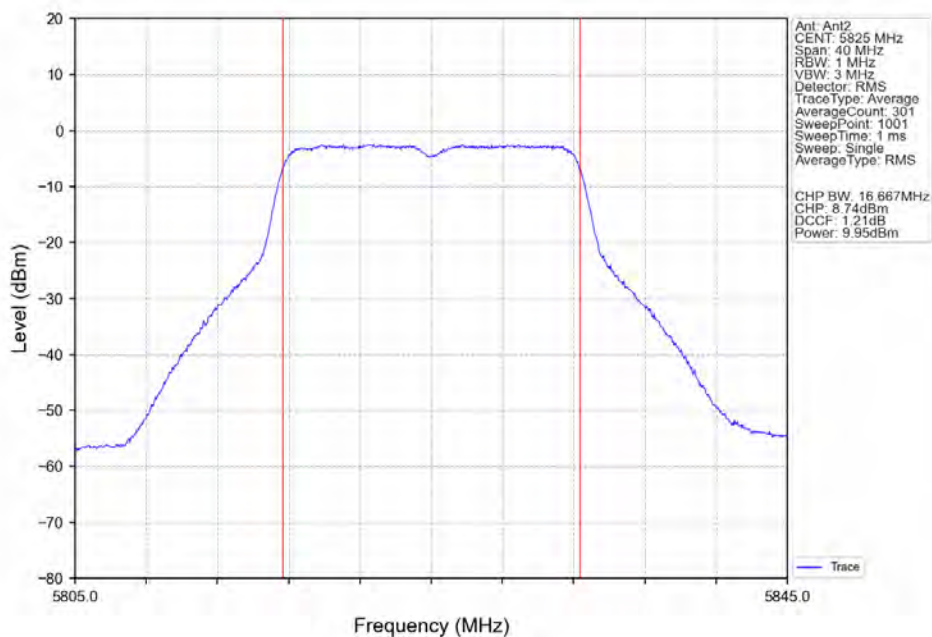
802.11a MCH_5785MHz_Ant2_NTNV



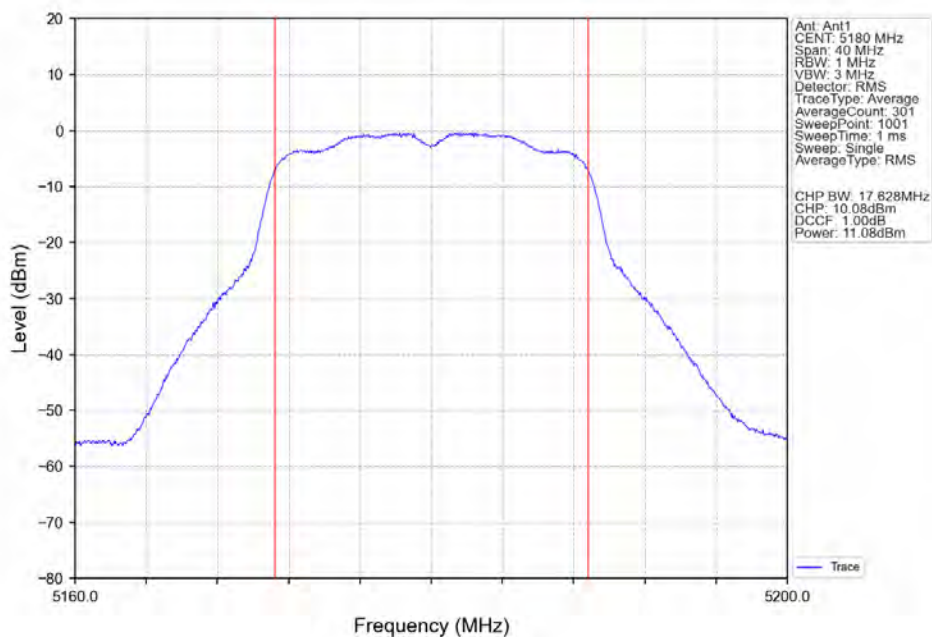
802.11a HCH 5825MHz Ant1 NTN



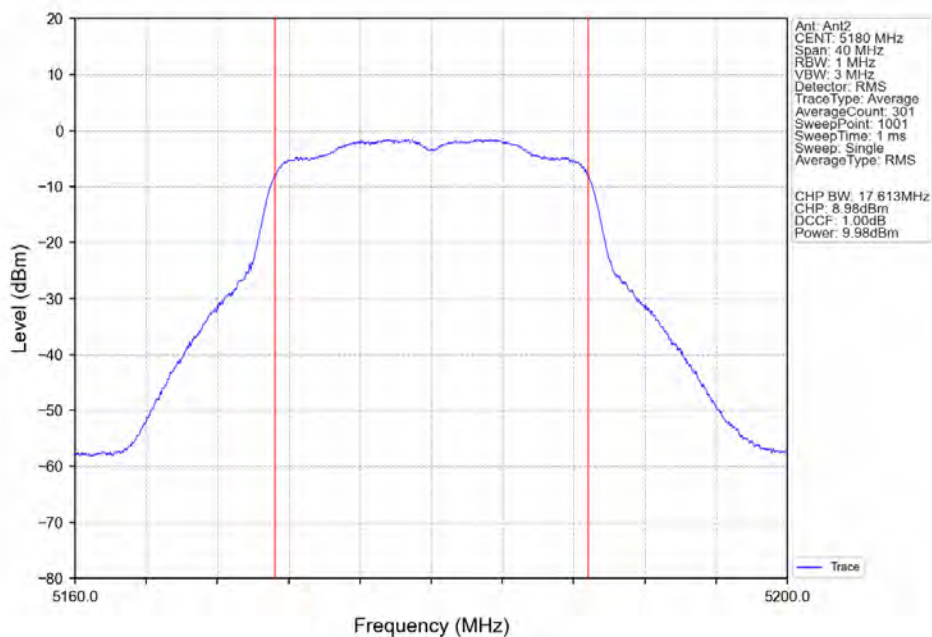
802.11a HCH 5825MHz Ant2 NTN



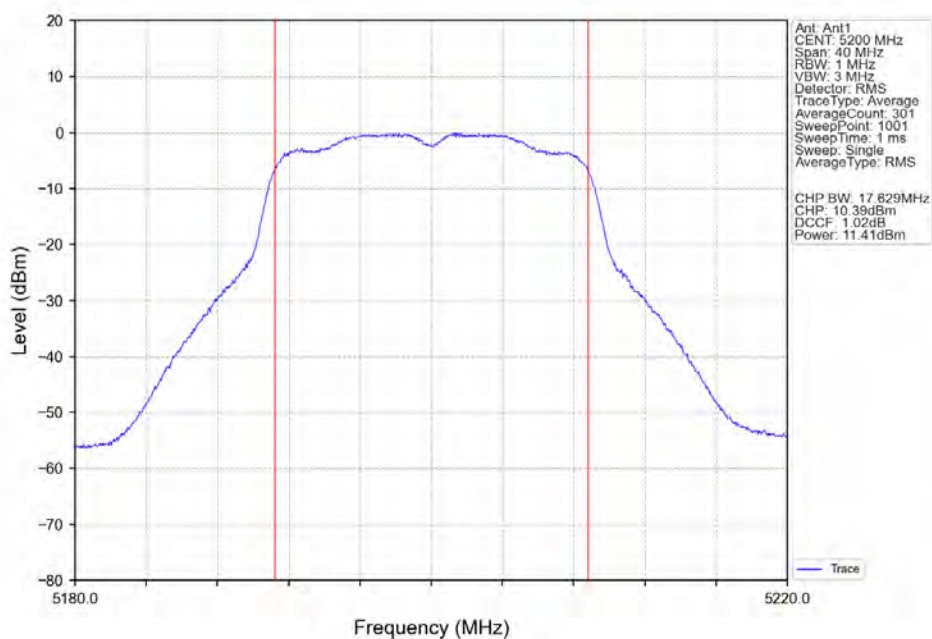
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



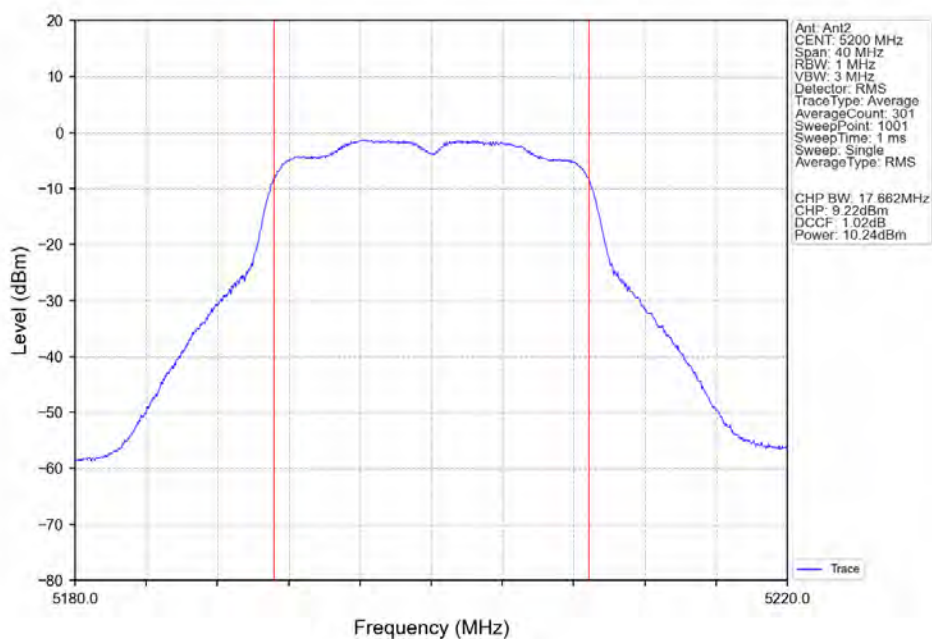
802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



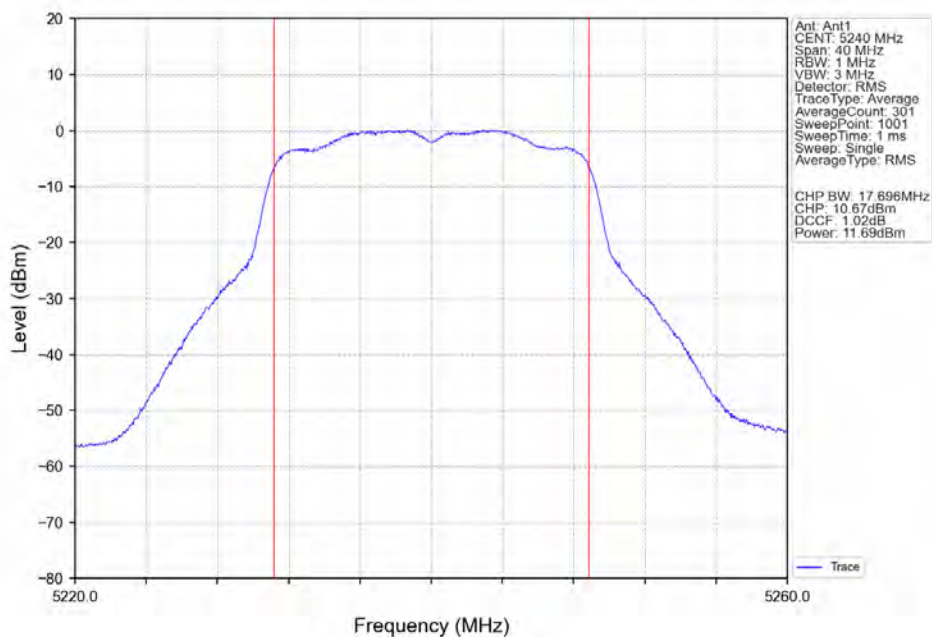
802.11n(HT20) MCH 5200MHz Ant1 NTNV



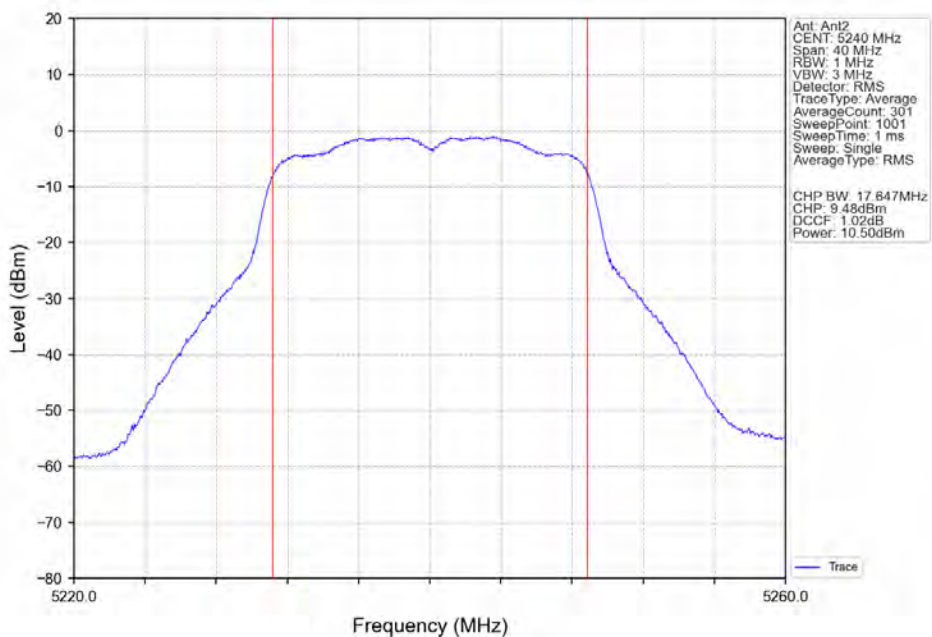
802.11n(HT20) MCH 5200MHz Ant2 NTNV



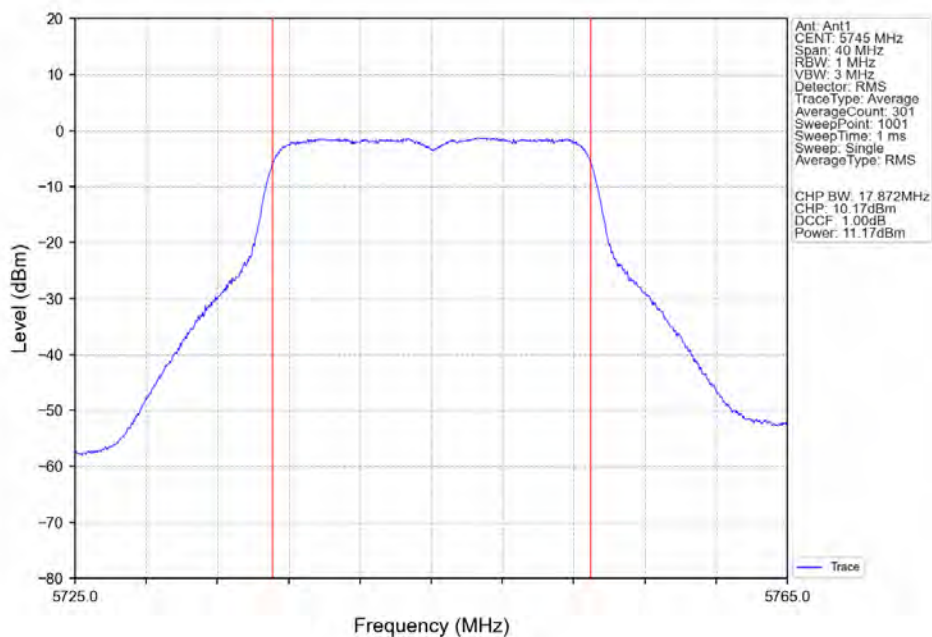
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



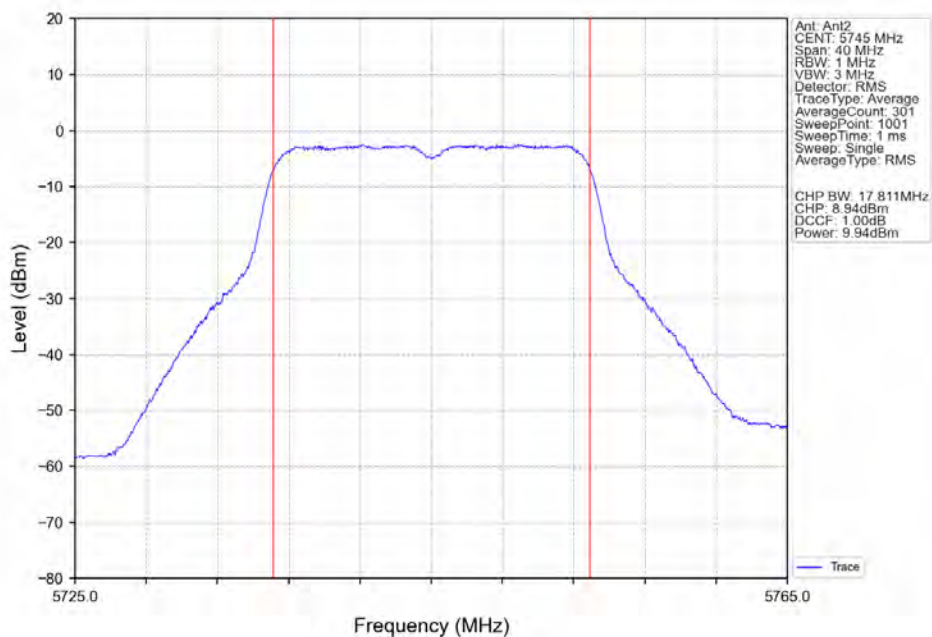
802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



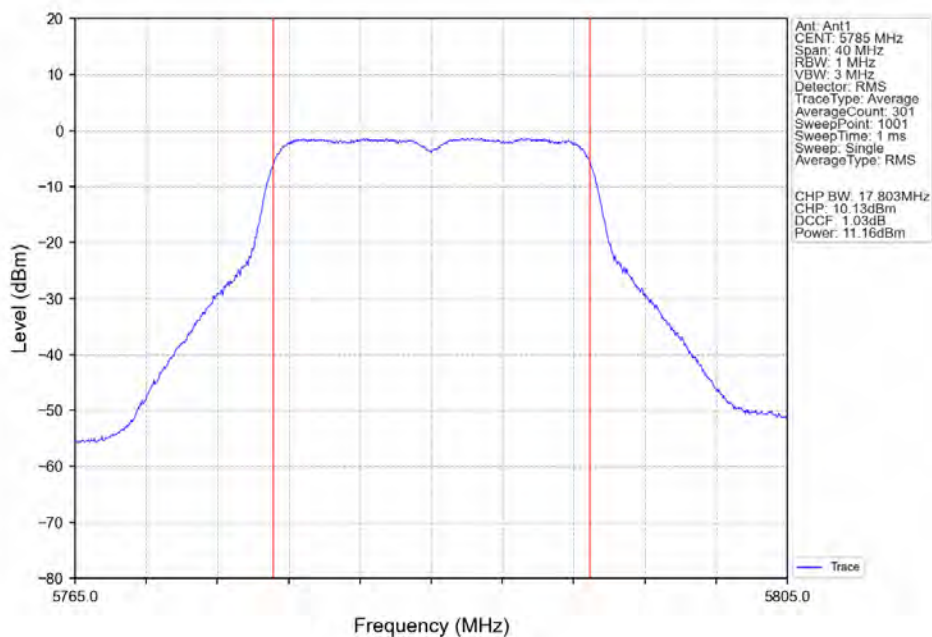
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



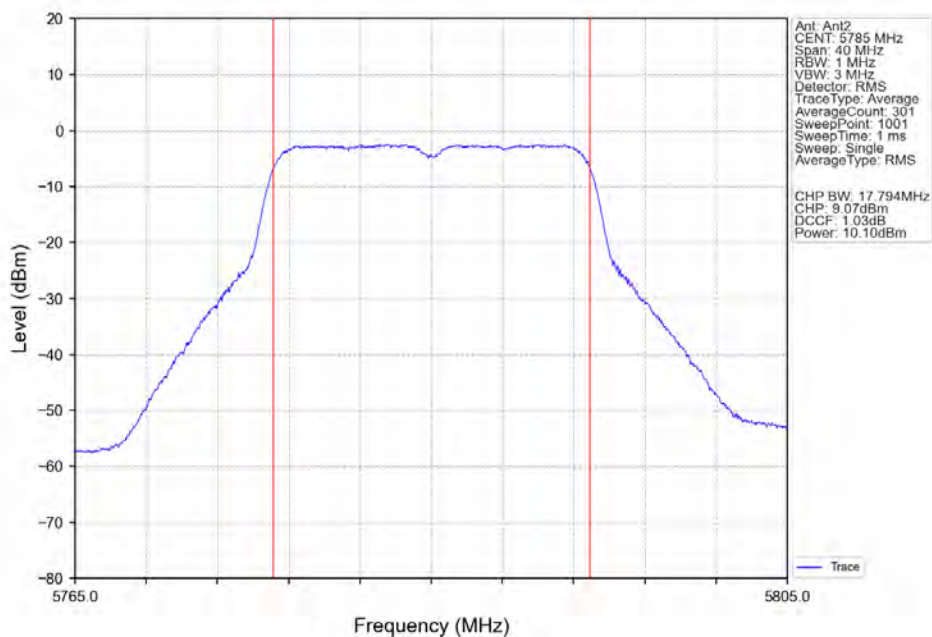
802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



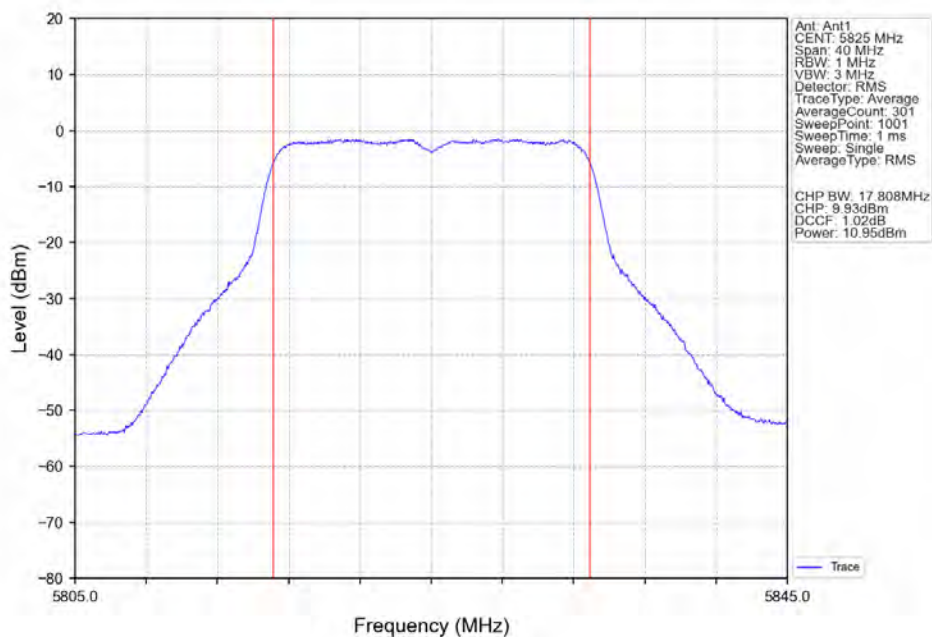
802.11n(HT20) MCH 5785MHz Ant1 NTNV



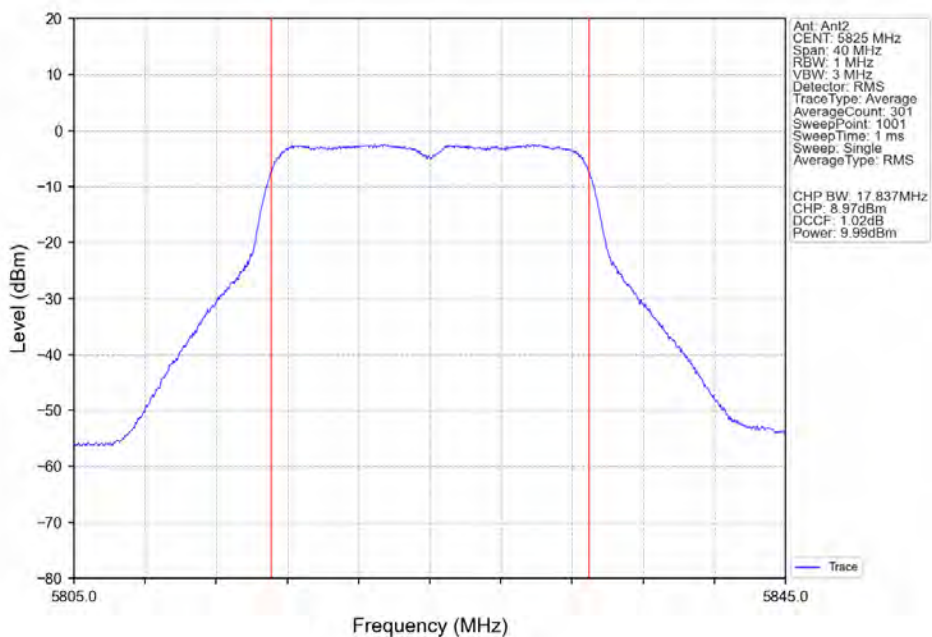
802.11n(HT20) MCH 5785MHz Ant2 NTNV



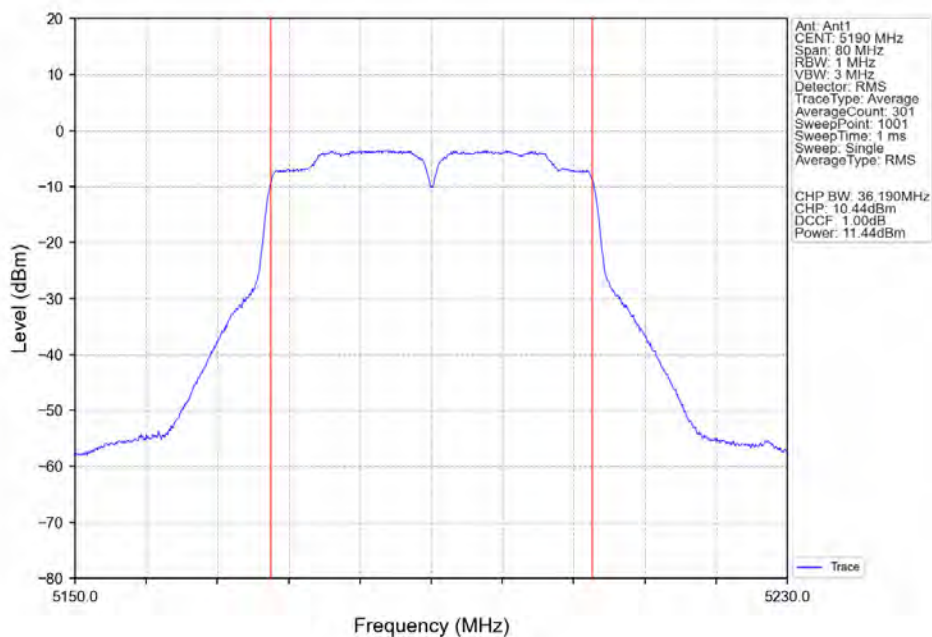
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



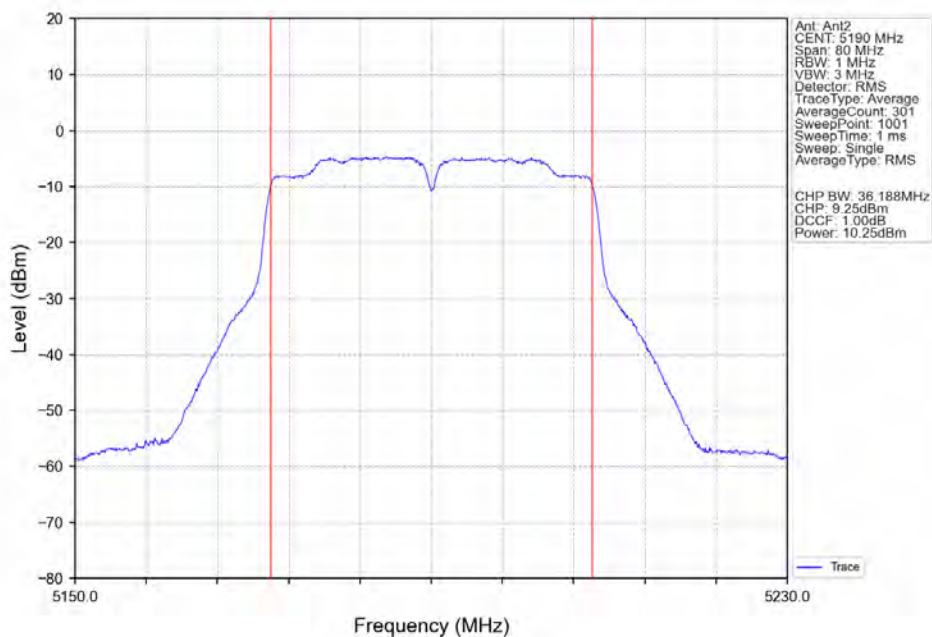
802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



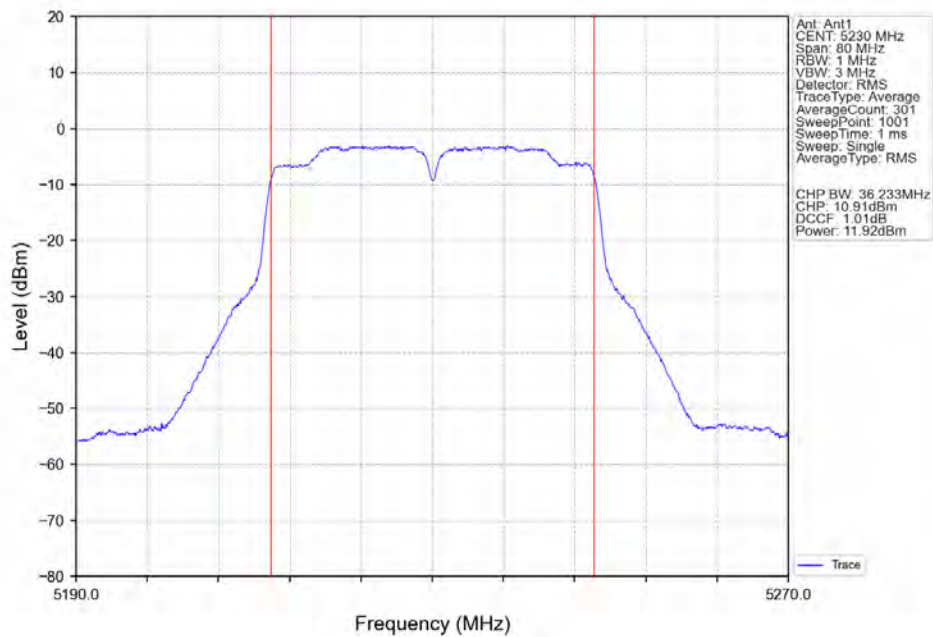
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



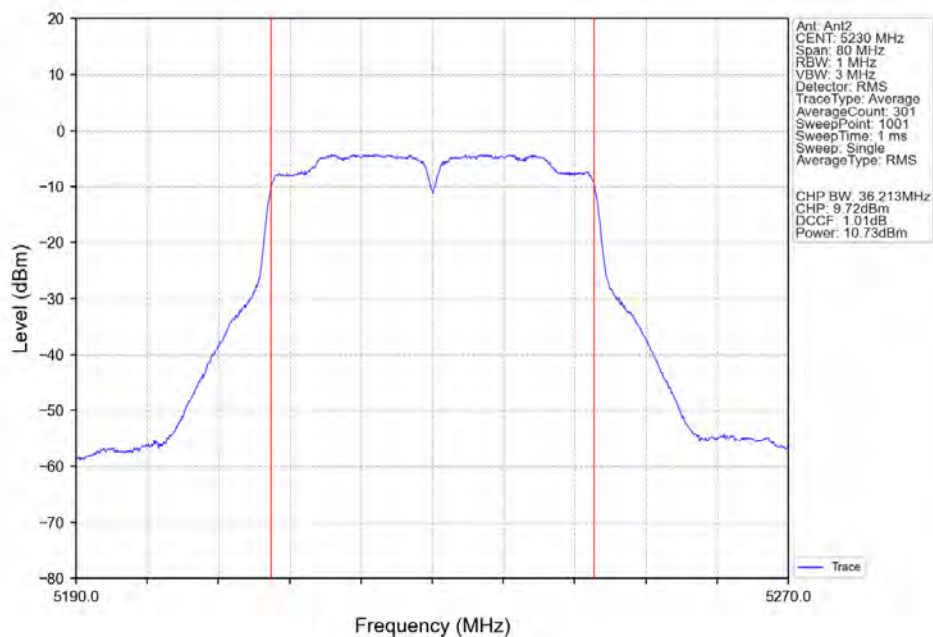
802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



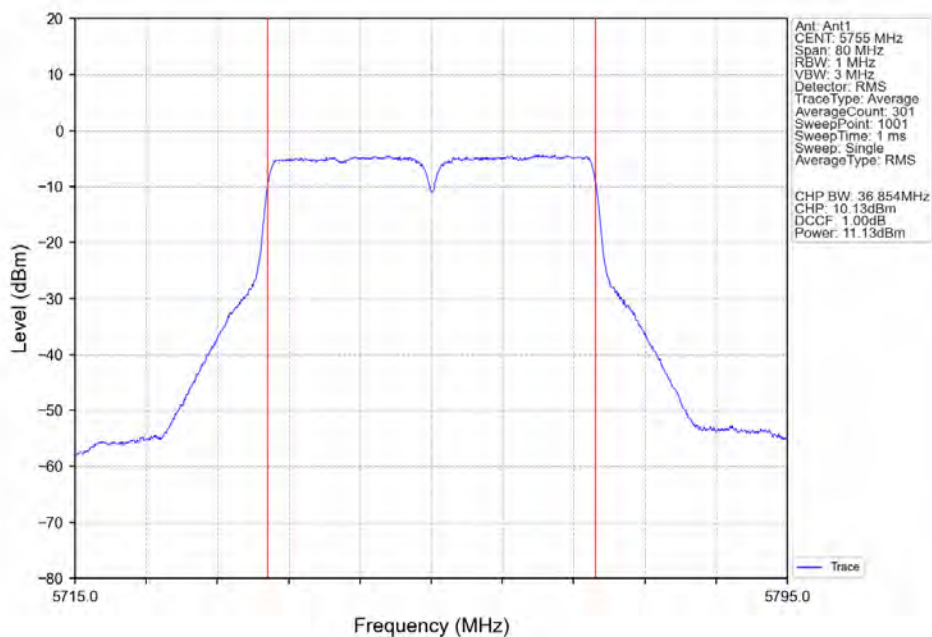
802.11n(HT40) HCH 5230MHz Ant1 NTN



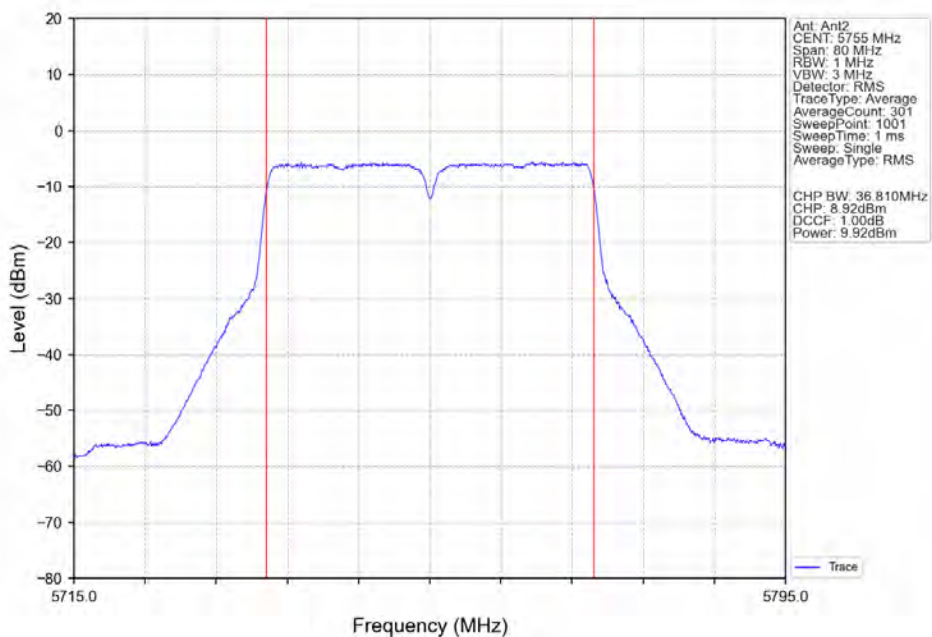
802.11n(HT40) HCH 5230MHz Ant2 NTN



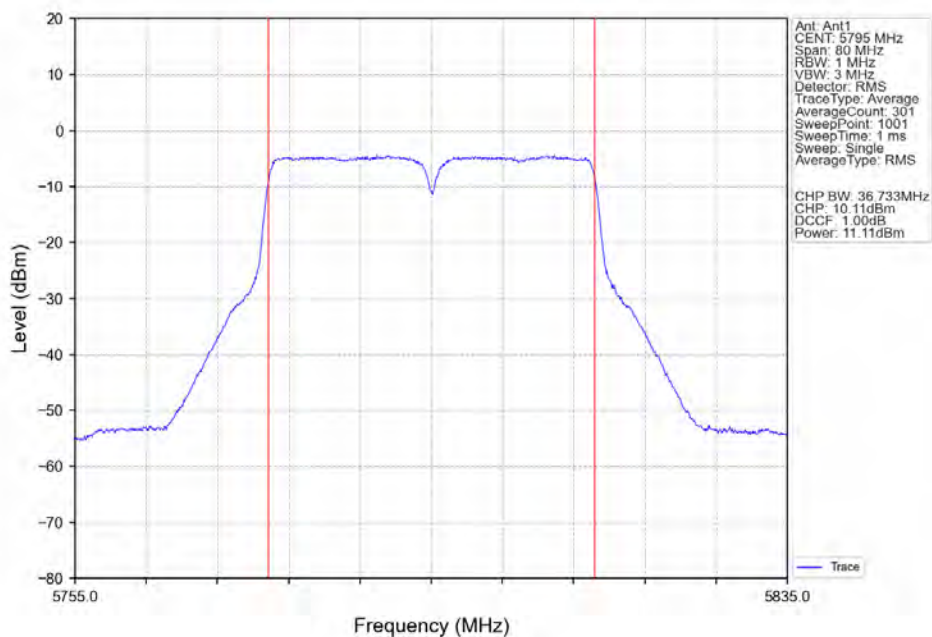
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



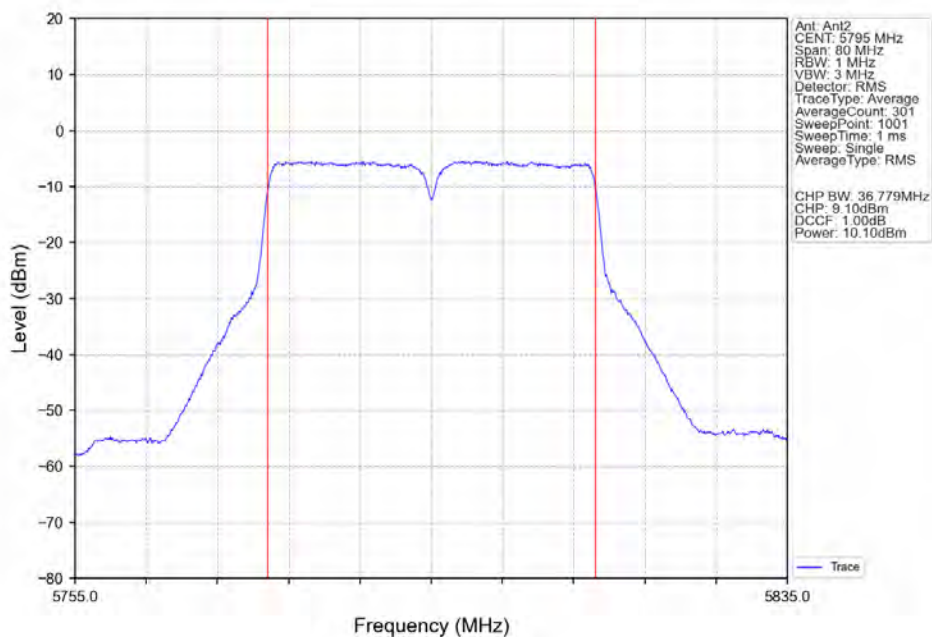
802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



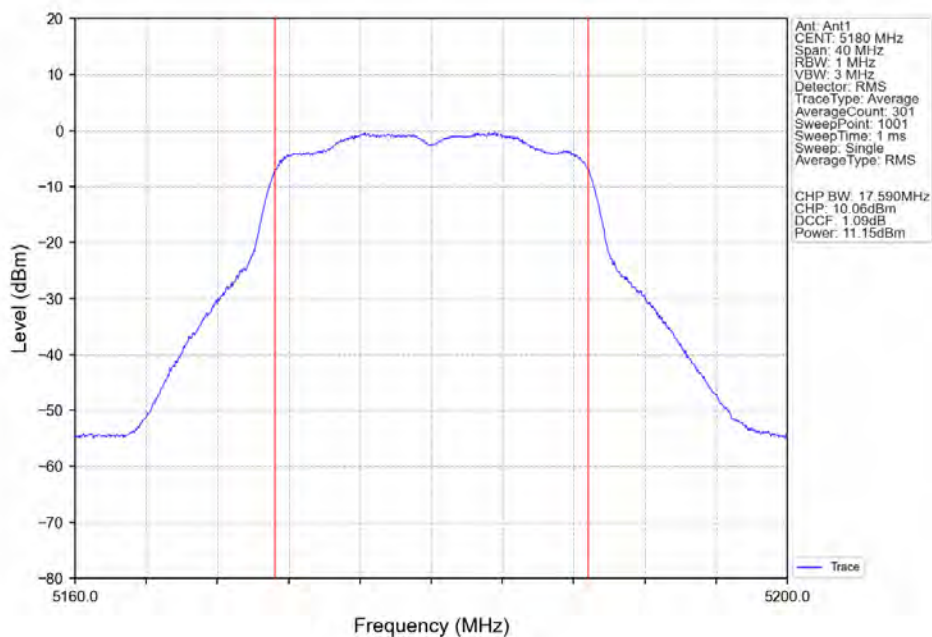
802.11n(HT40) HCH 5795MHz Ant1 NTN



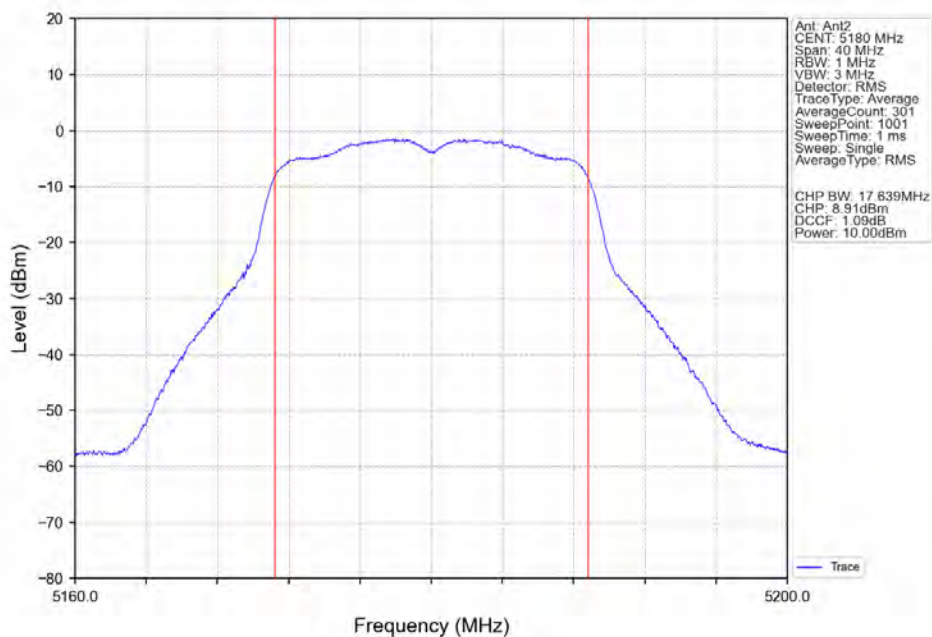
802.11n(HT40) HCH 5795MHz Ant2 NTN



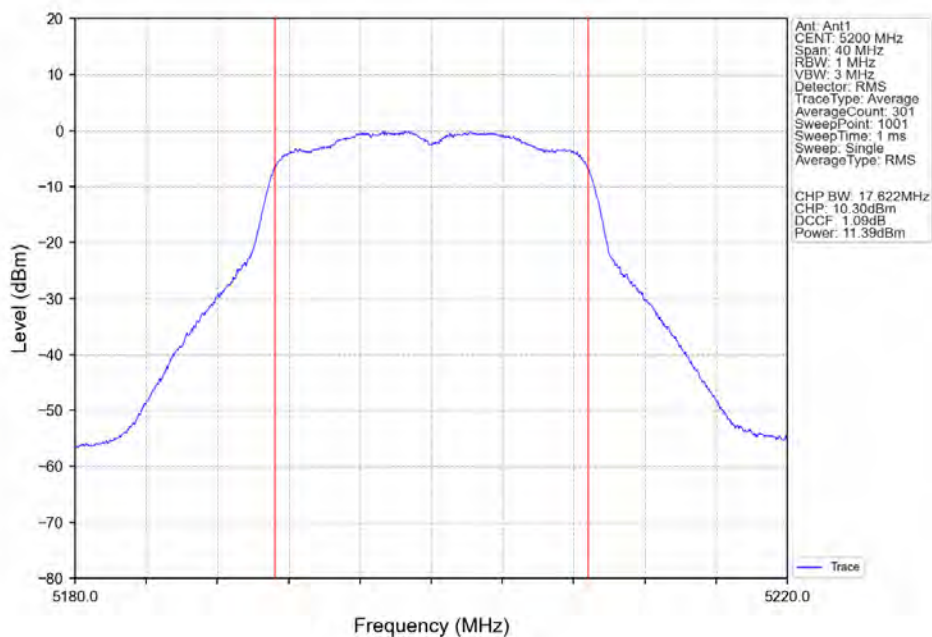
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



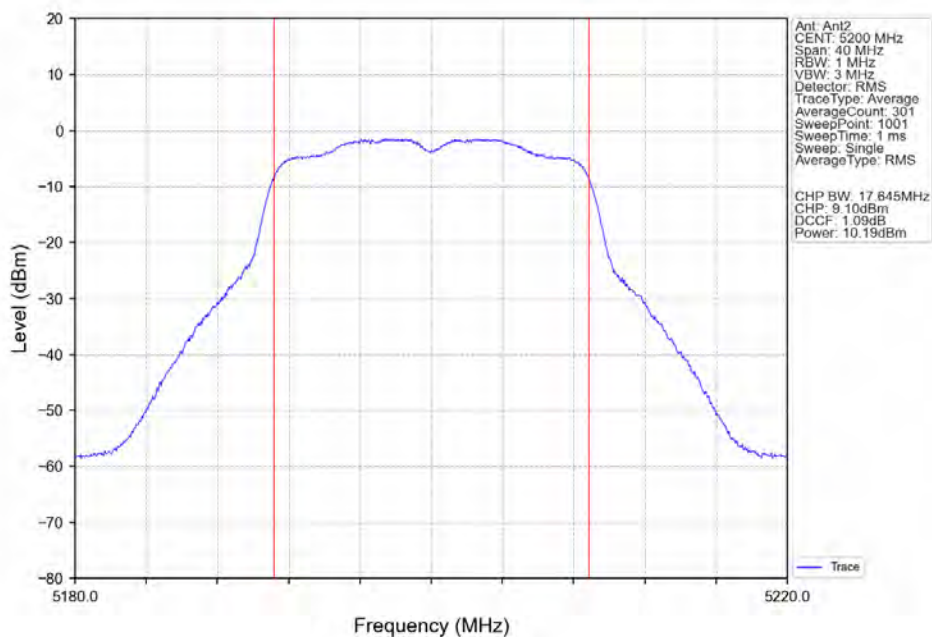
802.11ac(VHT20) LCH 5180MHz Ant2 NTN



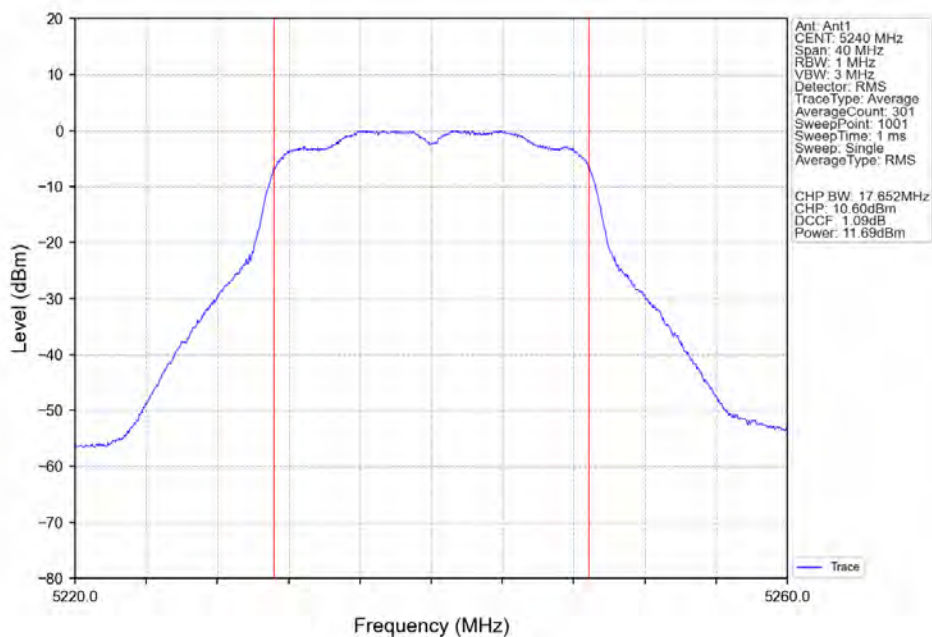
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



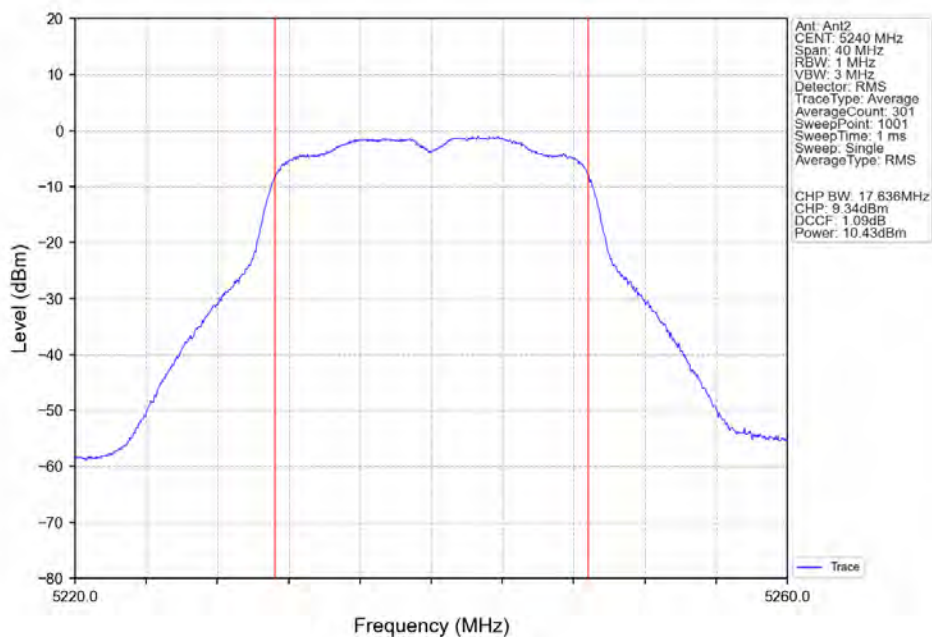
802.11ac(VHT20) MCH_5200MHz_Ant2_NTNV



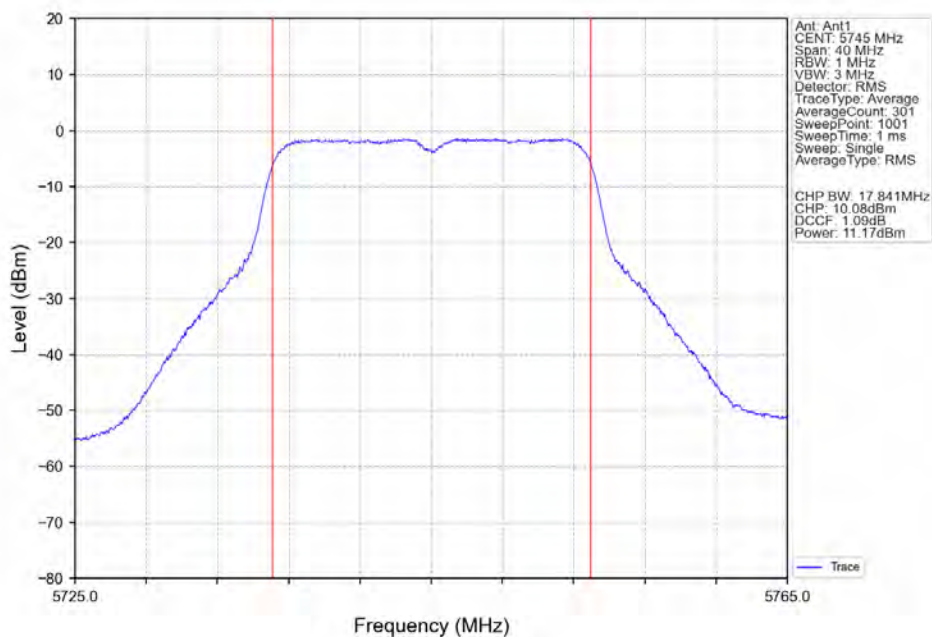
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



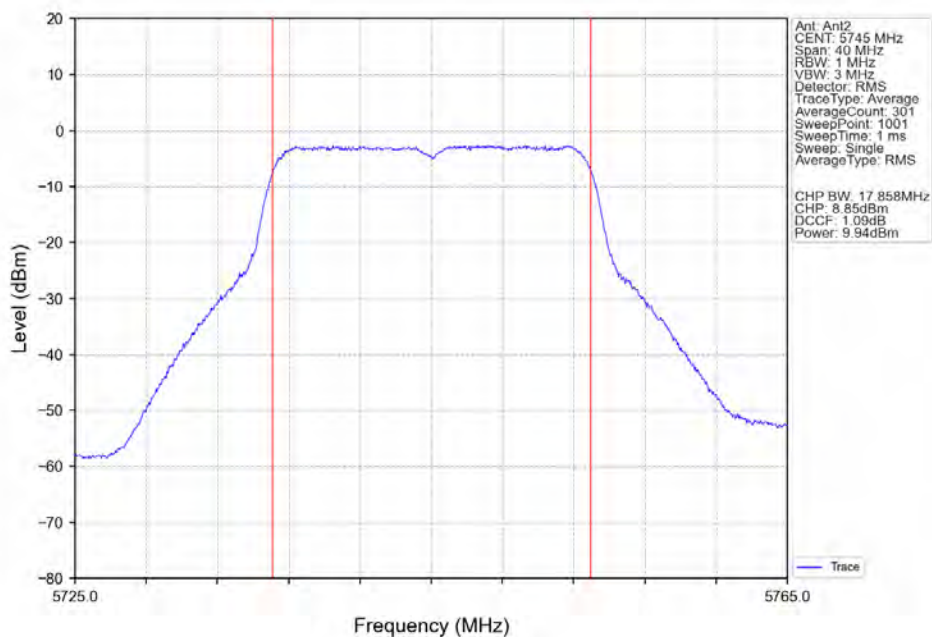
802.11ac(VHT20) HCH 5240MHz Ant2 NTN



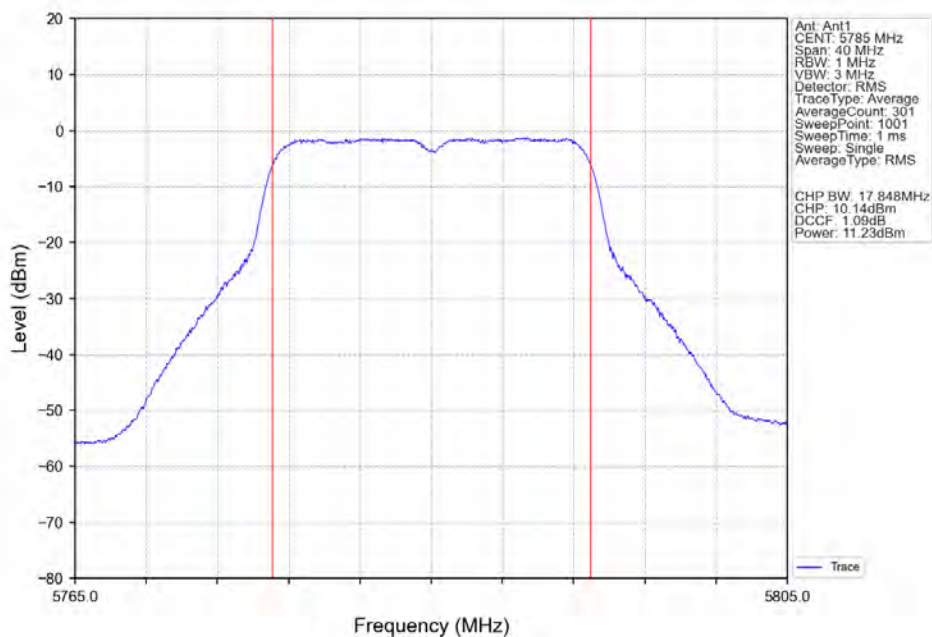
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



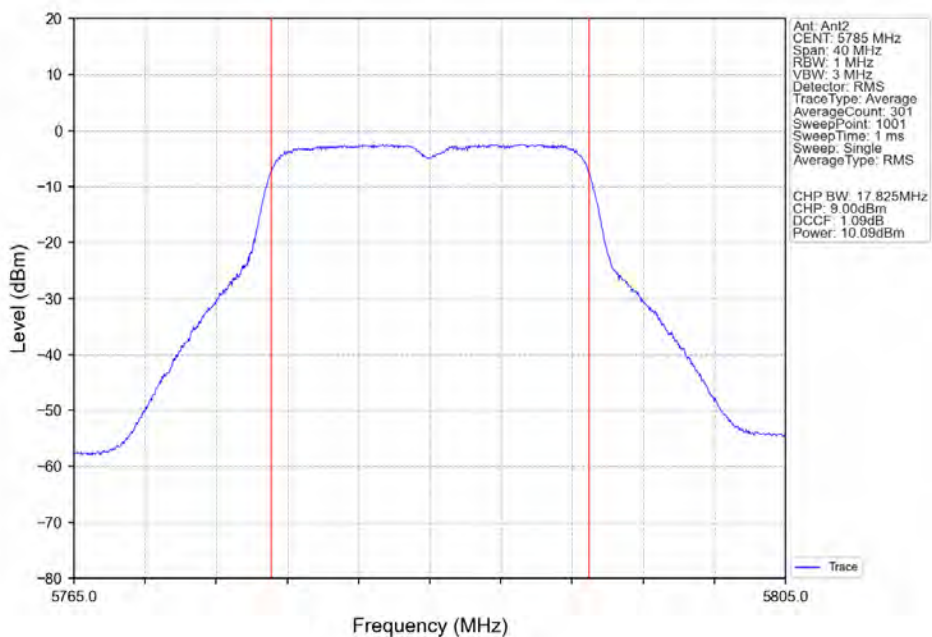
802.11ac(VHT20) LCH 5745MHz Ant2 NTN



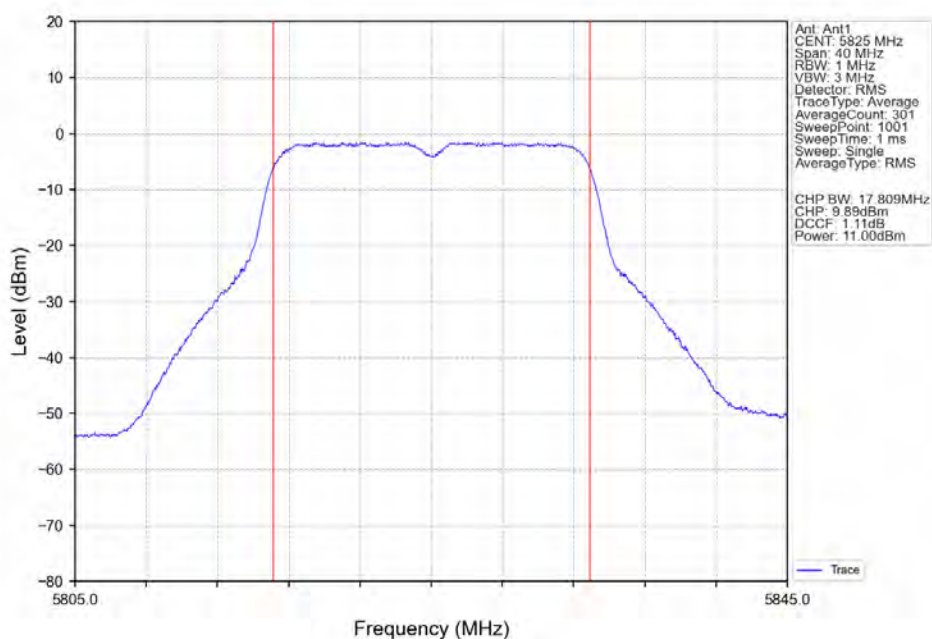
802.11ac(VHT20) MCH_5785MHz_Ant1_NTNV



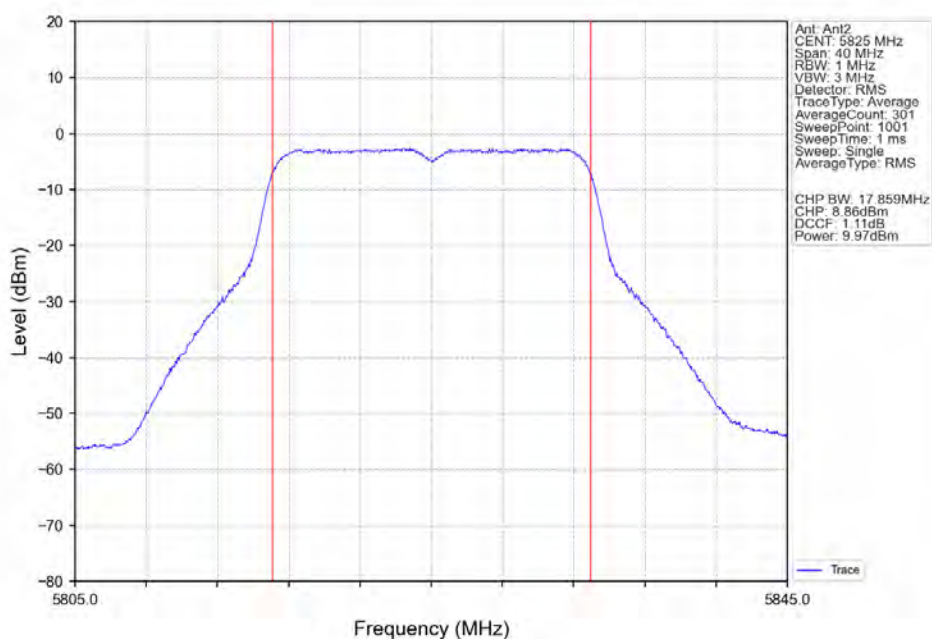
802.11ac(VHT20) MCH_5785MHz_Ant2_NTNV



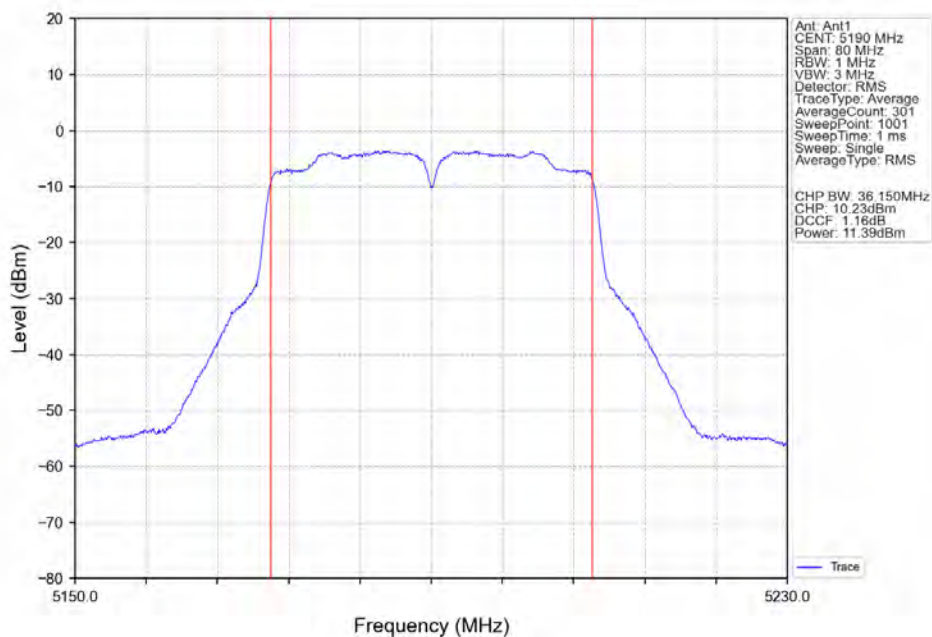
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



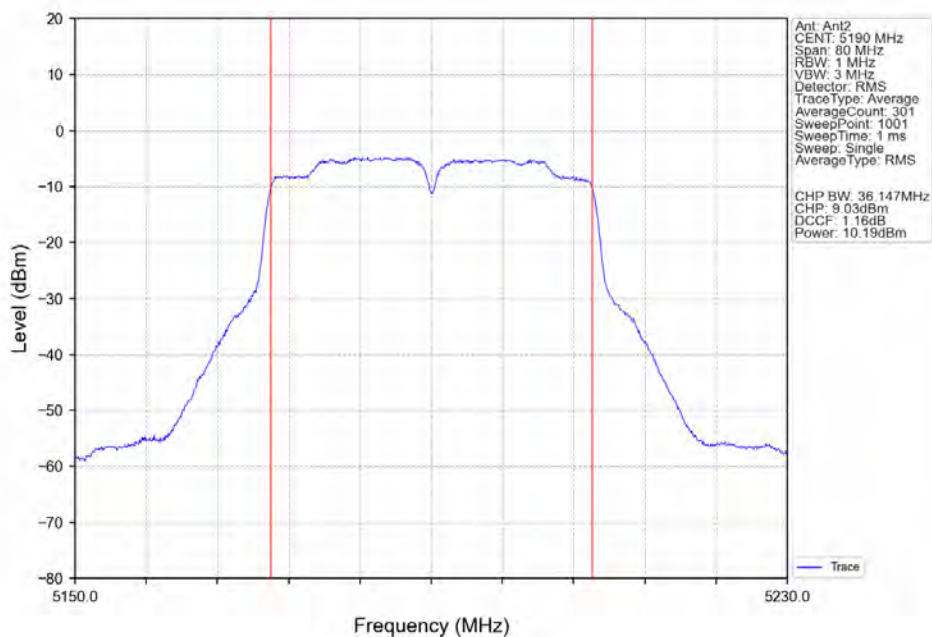
802.11ac(VHT20) HCH 5825MHz Ant2 NTN



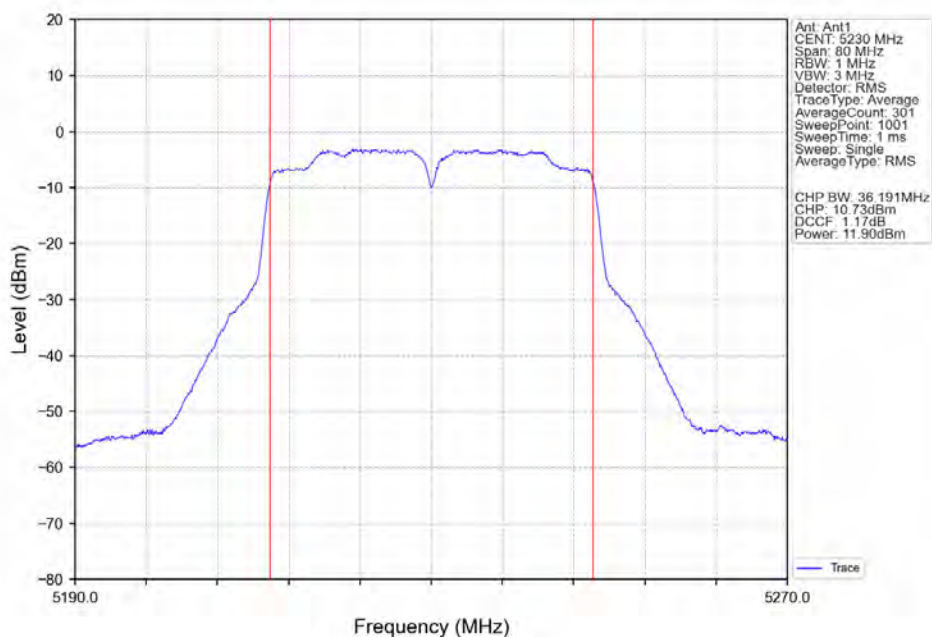
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



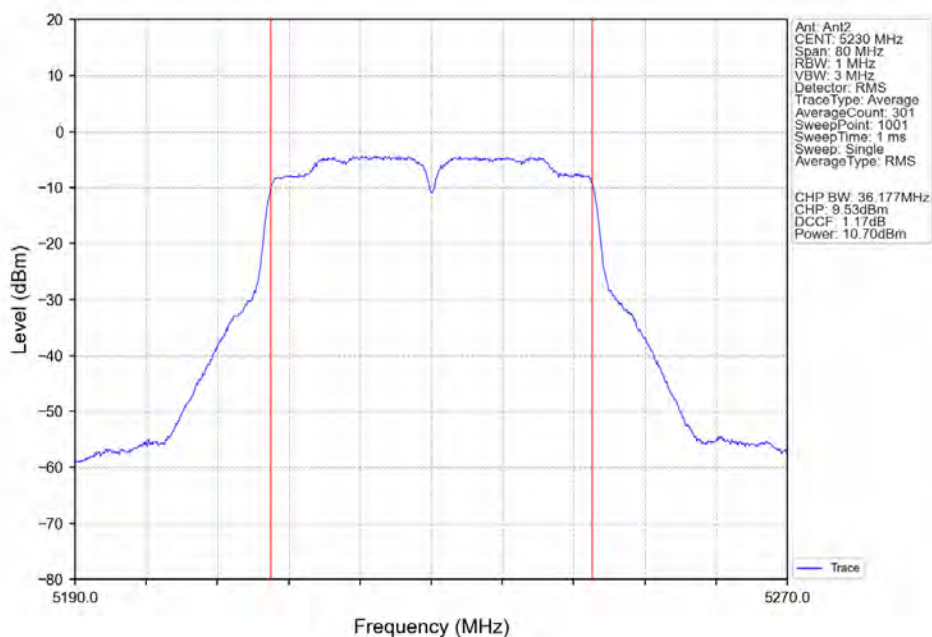
802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



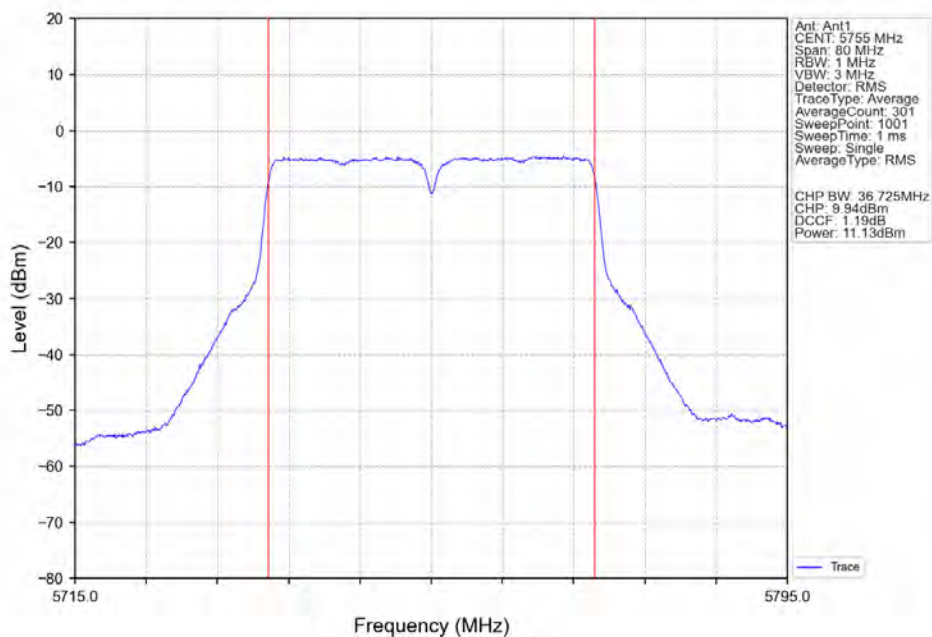
802.11ac(VHT40) HCH 5230MHz Ant1 NTN



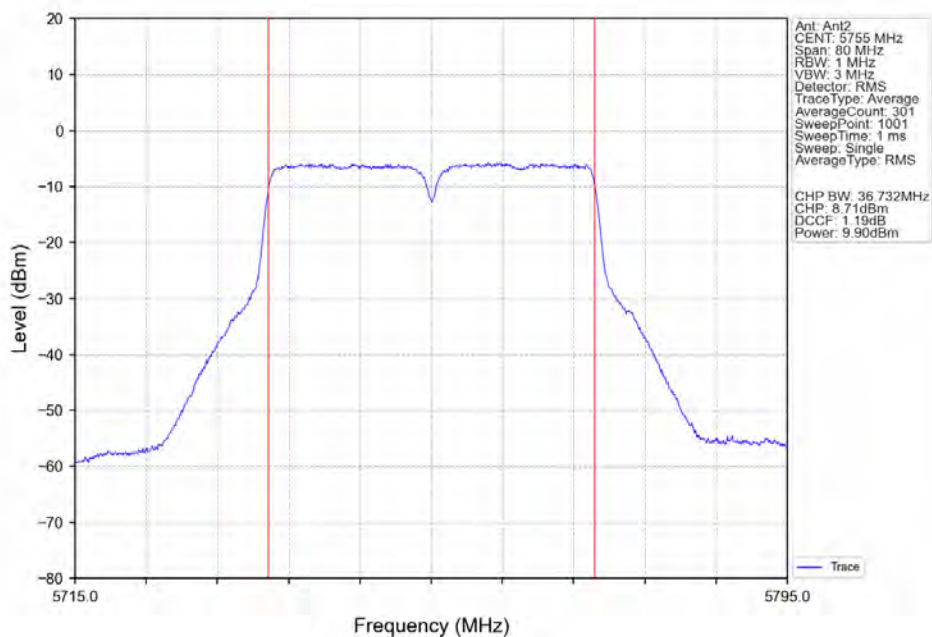
802.11ac(VHT40) HCH 5230MHz Ant2 NTN



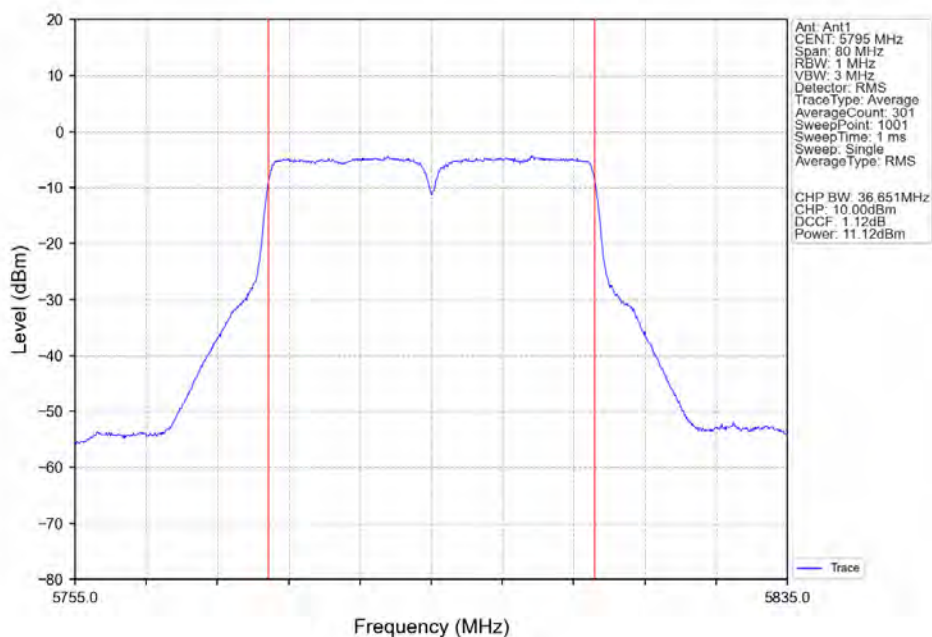
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



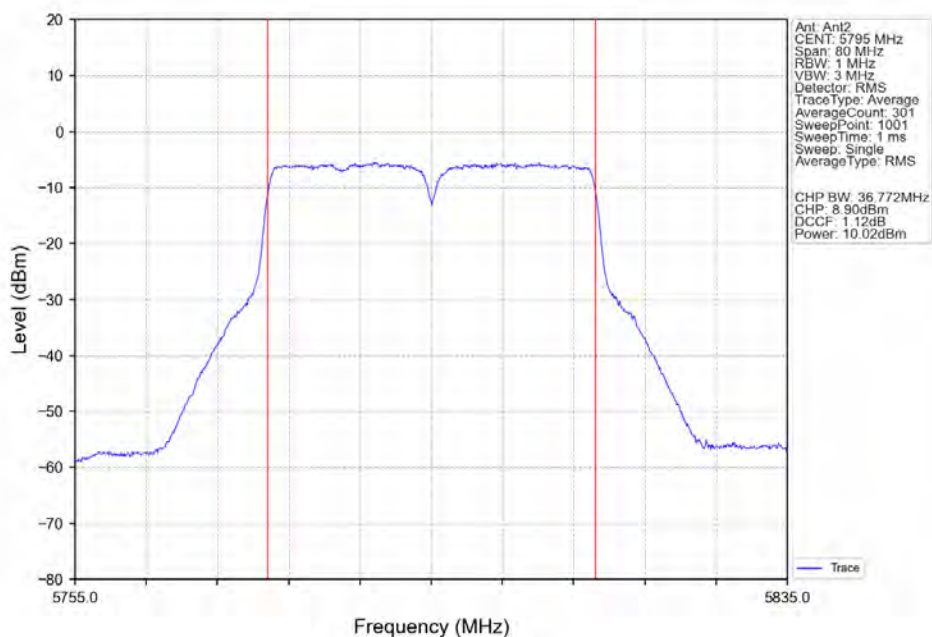
802.11ac(VHT40) LCH 5755MHz Ant2 NTN



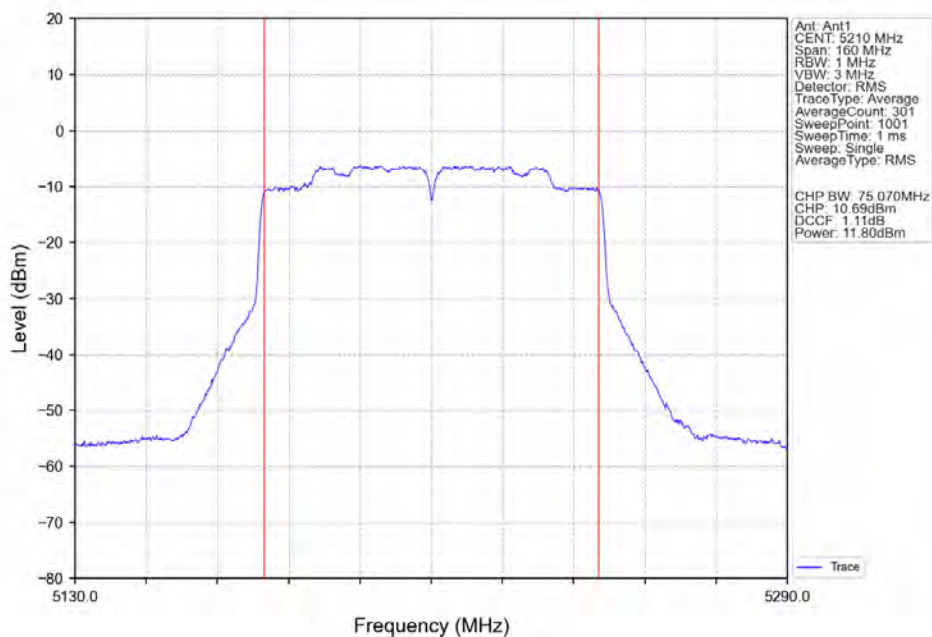
802.11ac(VHT40) HCH 5795MHz Ant1 NTN



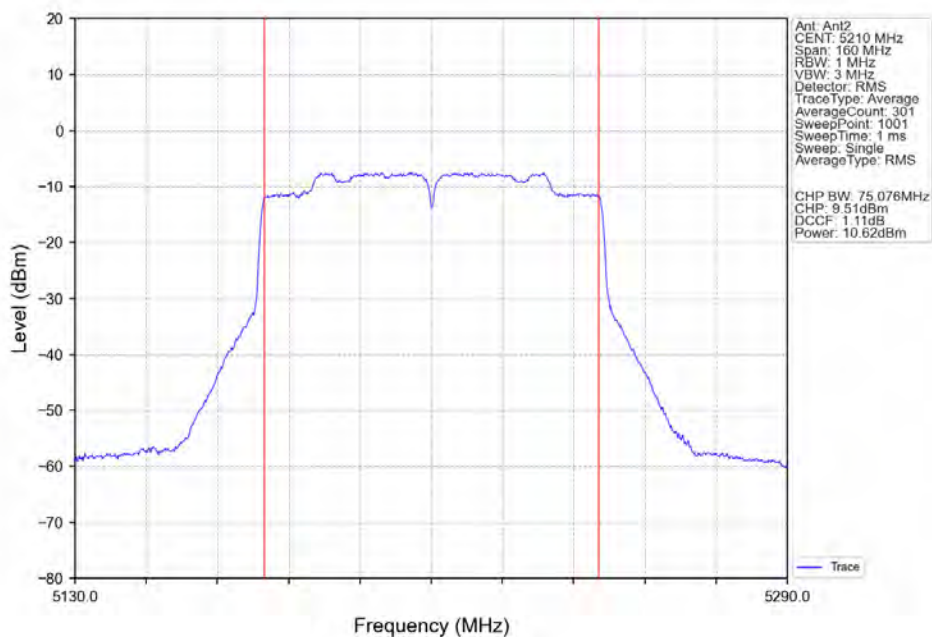
802.11ac(VHT40) HCH 5795MHz Ant2 NTN



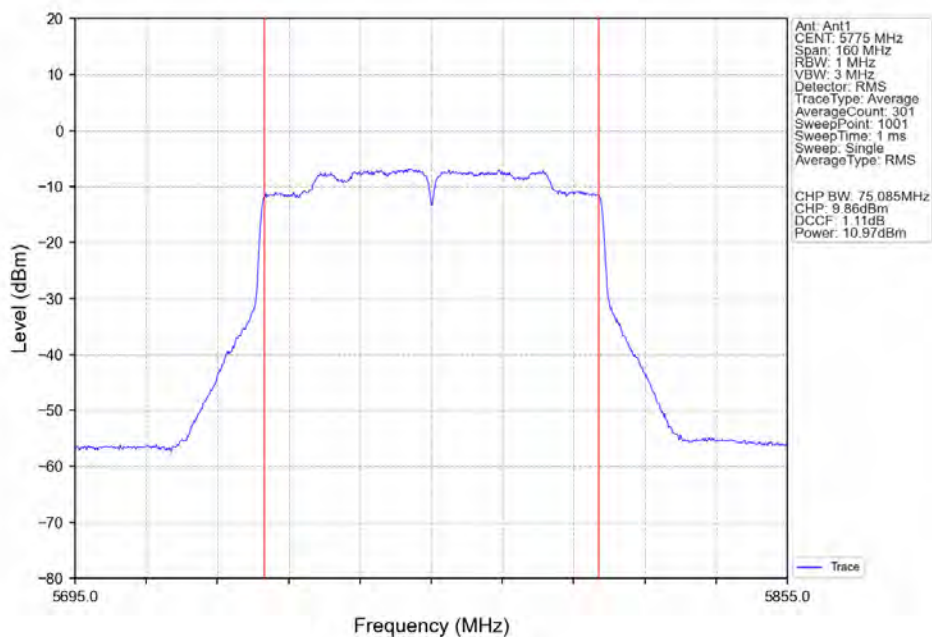
802.11ac(VHT80) MCH_5210MHz_Ant1_NTNV



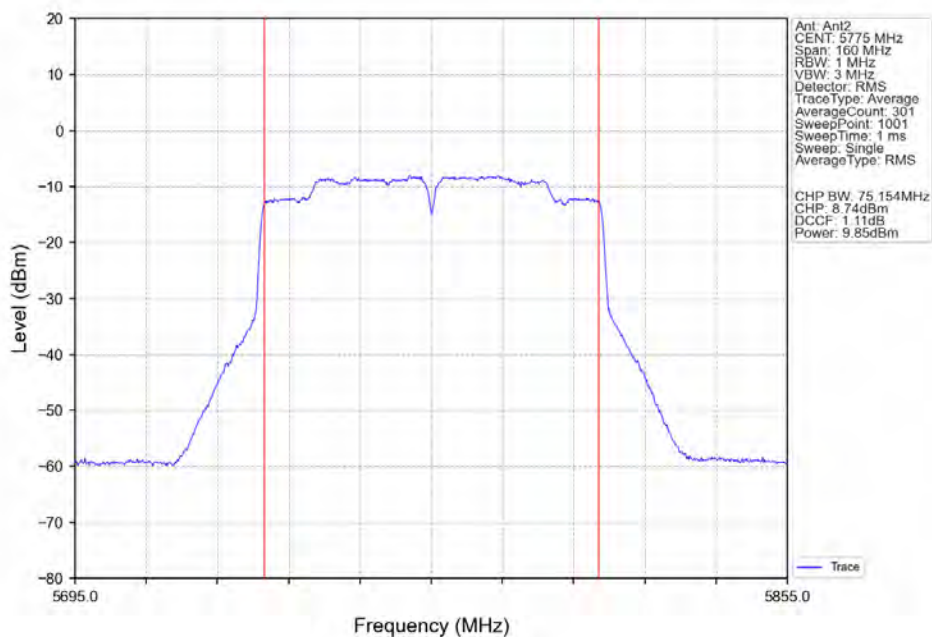
802.11ac(VHT80) MCH_5210MHz_Ant2_NTNV



802.11ac(VHT80) MCH_5775MHz Ant1 NTN



802.11ac(VHT80) MCH_5775MHz Ant2 NTN



4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

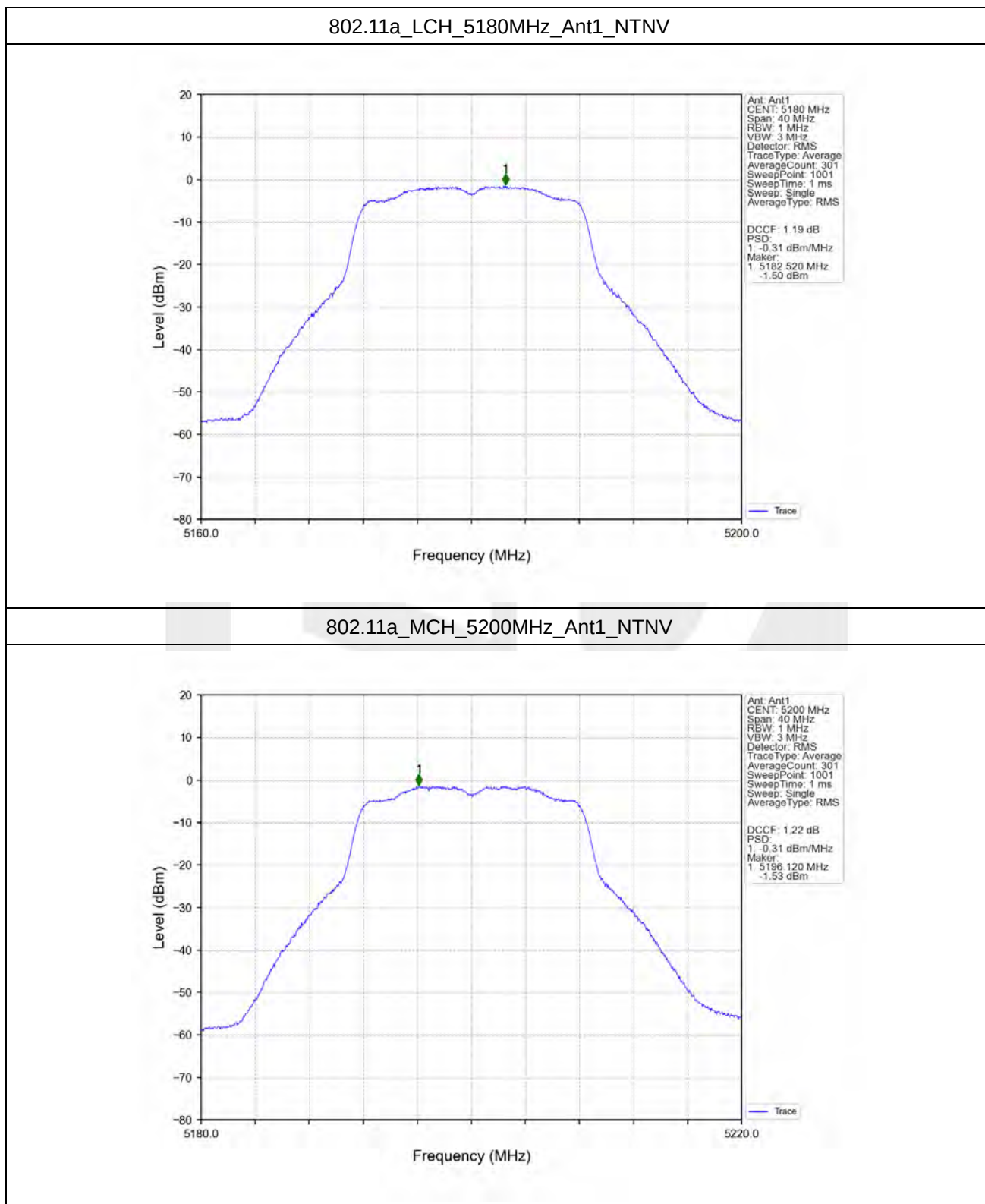
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	-0.31	-0.15	/	<=11	Pass
		5200	-0.31	-0.03	/	<=11	Pass
		5240	-0.01	0.28	/	<=11	Pass
802.11n (HT20)	SISO	5180	0.55	-0.47	3.08	<=11	Pass
		5200	0.82	-0.34	3.29	<=11	Pass
		5240	1.32	0.16	3.79	<=11	Pass
802.11n (HT40)	SISO	5190	-2.29	-3.55	0.14	<=11	Pass
		5230	-1.95	-3.18	0.49	<=11	Pass
802.11ac (VHT20)	SISO	5180	0.87	-0.41	3.29	<=11	Pass
		5200	1.00	-0.16	3.47	<=11	Pass
		5240	1.43	-0.13	3.73	<=11	Pass
802.11ac (VHT40)	SISO	5190	-2.50	-3.59	-0.00	<=11	Pass
		5230	-2.03	-2.87	0.58	<=11	Pass
802.11ac (VHT80)	SISO	5210	-5.05	-6.04	-2.51	<=11	Pass
Note1: Antenna Gain: Ant1: 2.35dBi; Ant2: 2.35dBi; Note2: Directional Gain: Correlated (Directional Gain =5.36dBi) Formulas: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / NANT]$ dBi							

4.1.2 PSD-Band3

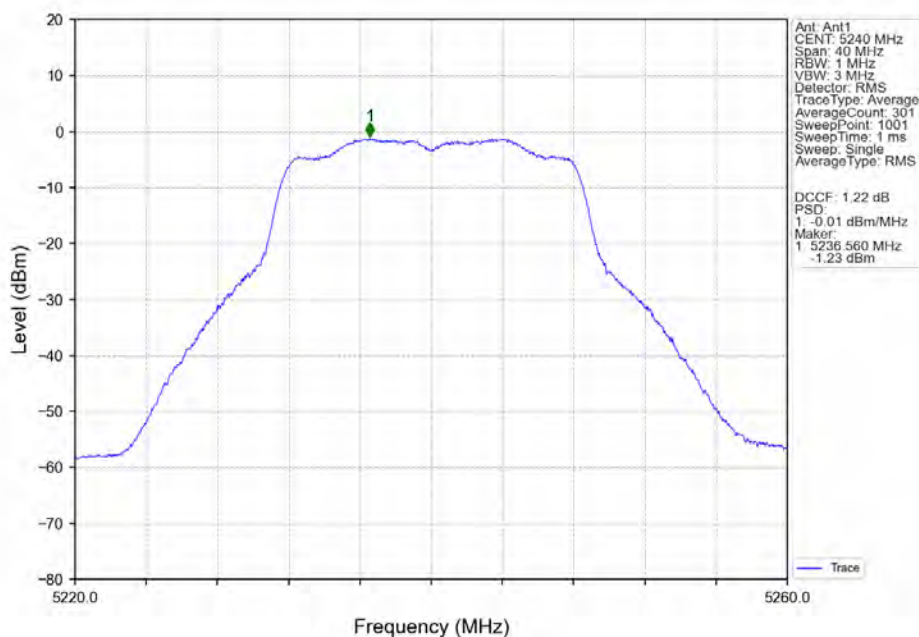
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5745	-6.57	-3.70	/	<=30	Pass
		5785	-5.62	-9.64	/	<=30	Pass
		5825	-5.75	-3.60	/	<=30	Pass
802.11n (HT20)	SISO	5745	-2.34	-3.65	0.06	<=30	Pass
		5785	-1.95	-3.37	0.41	<=30	Pass
		5825	-2.81	-3.50	-0.13	<=30	Pass
802.11n (HT40)	SISO	5755	-5.78	-6.91	-3.30	<=30	Pass
		5795	-5.55	-6.60	-3.03	<=30	Pass
802.11ac (VHT20)	SISO	5745	-2.45	-3.46	0.08	<=30	Pass
		5785	-2.14	-3.61	0.20	<=30	Pass
		5825	-2.57	-3.82	-0.14	<=30	Pass
802.11ac (VHT40)	SISO	5755	-5.51	-6.60	-3.01	<=30	Pass
		5795	-5.71	-6.77	-3.20	<=30	Pass
802.11ac (VHT80)	SISO	5775	-7.57	-8.58	-5.04	<=30	Pass
Note1: Antenna Gain: Ant1: 2.35dBi; Ant2: 2.35dBi; Note2: Directional Gain: Correlated (Directional Gain =5.36dBi) Formulas: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / NANT]$ dBi							

4.2 Test Graph

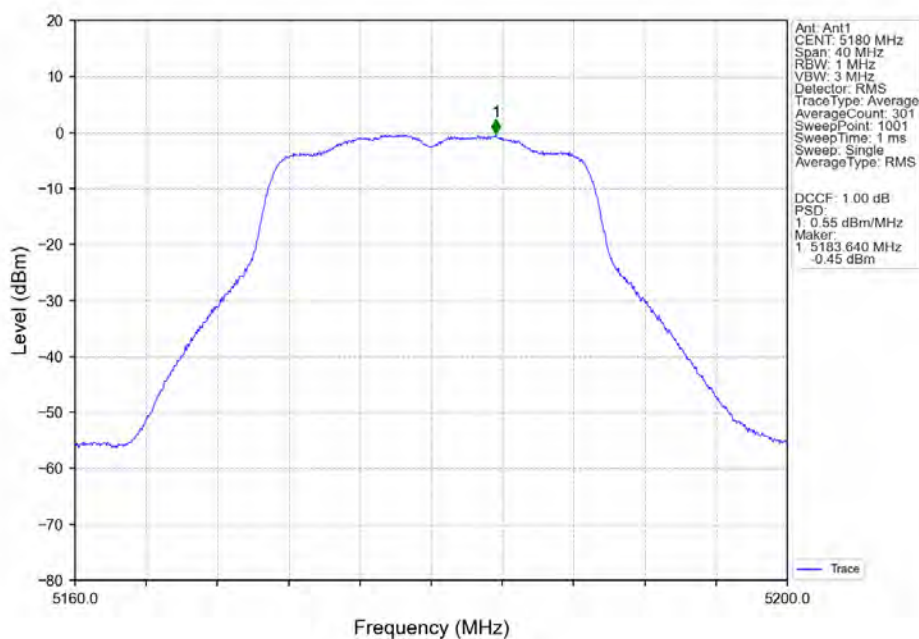
4.2.1 PSD



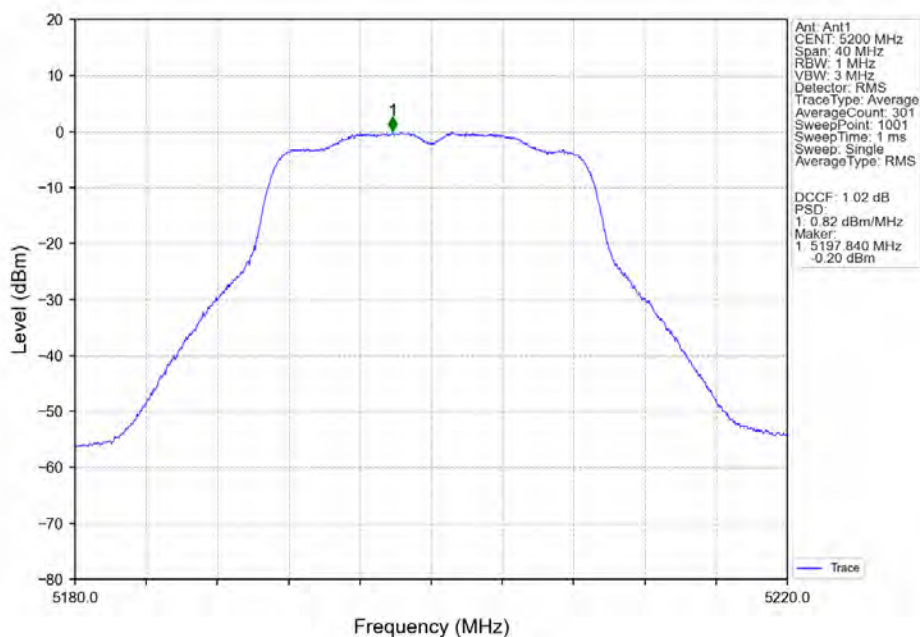
802.11a_HCH_5240MHz_Ant1_NTNV



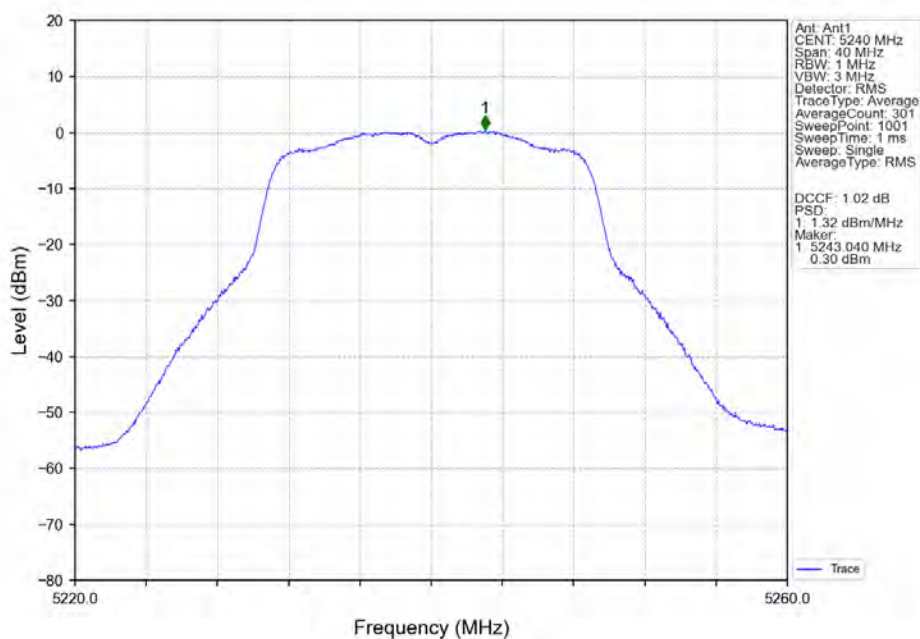
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



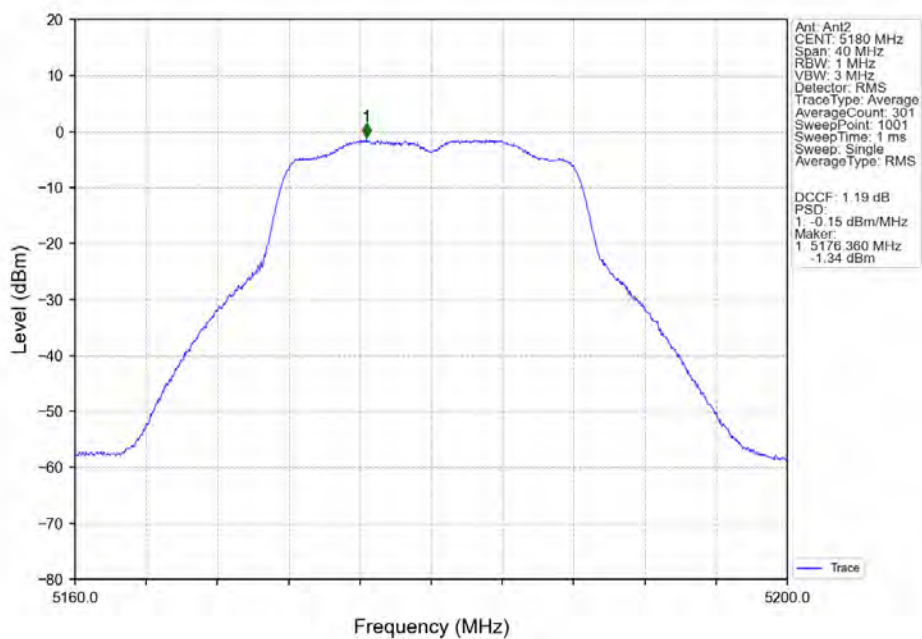
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



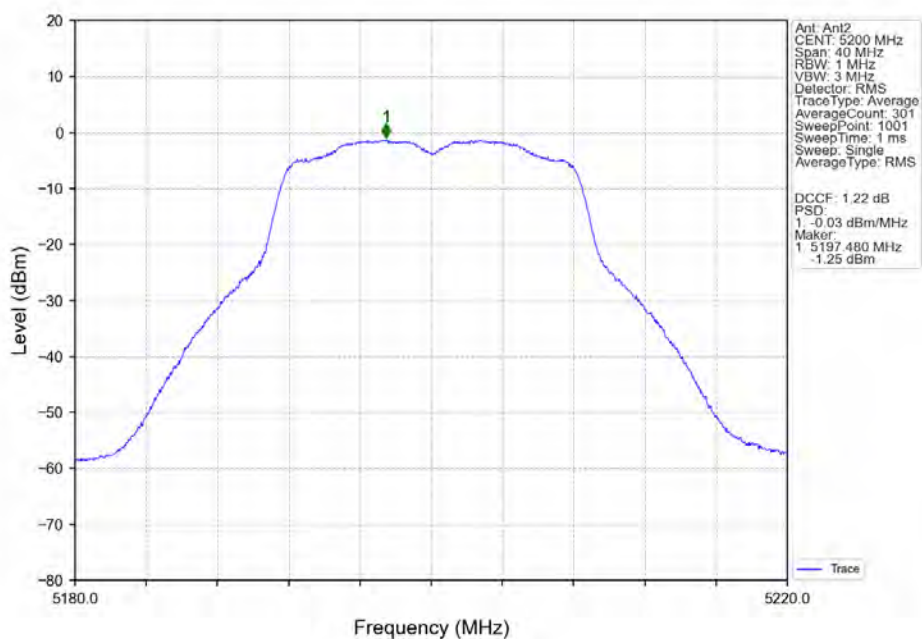
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



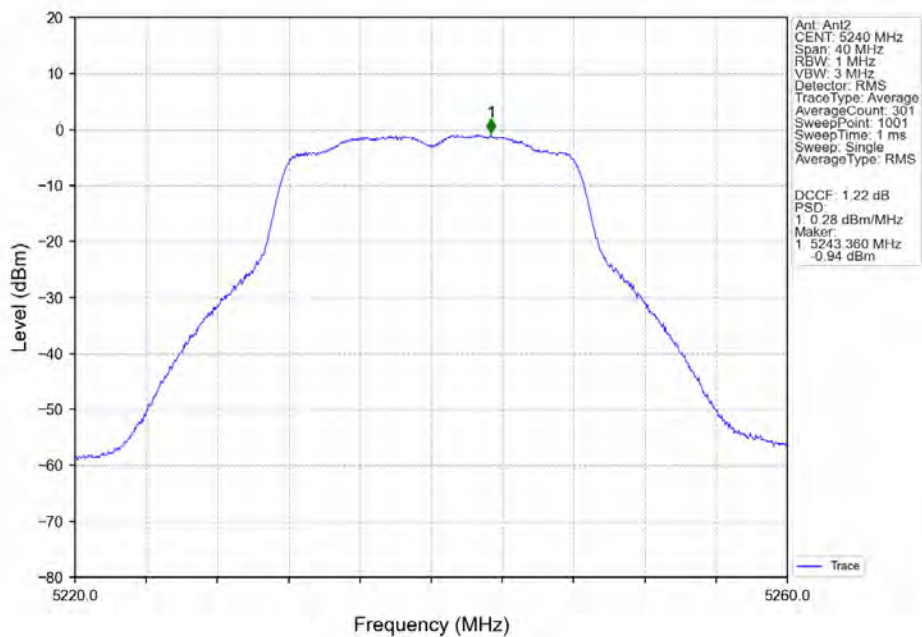
802.11a_LCH_5180MHz_Ant2_NTNV



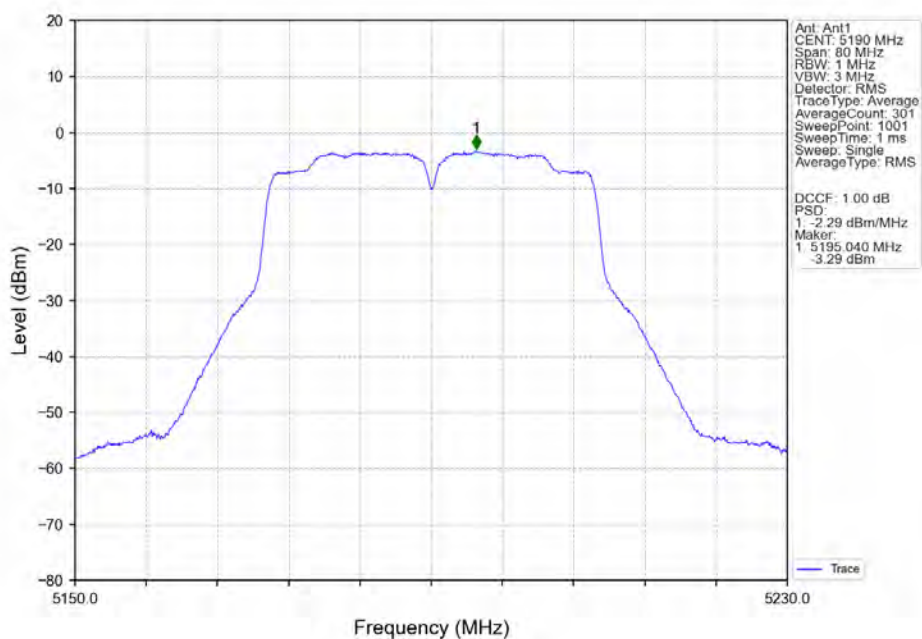
802.11a_MCH_5200MHz_Ant2_NTNV



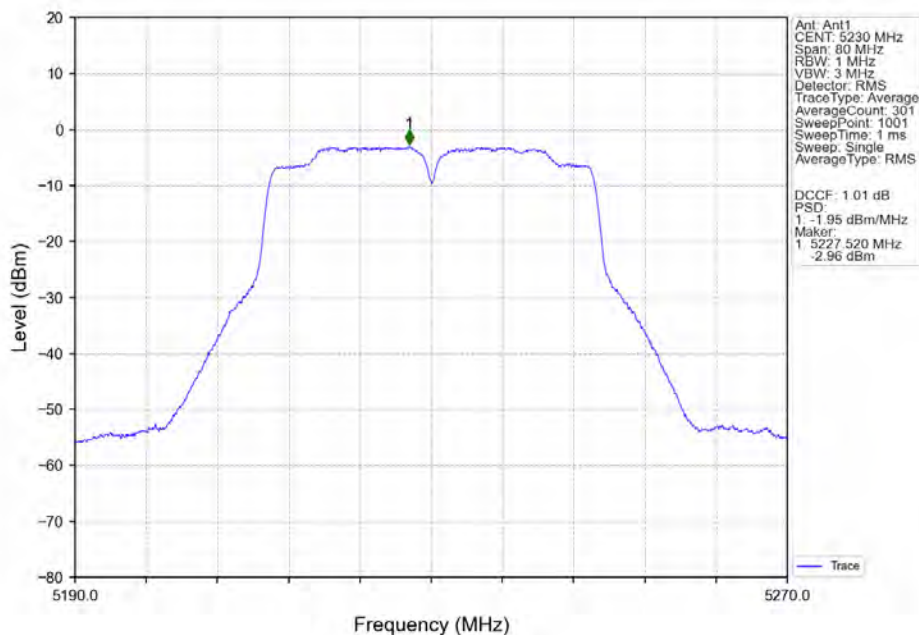
802.11a_HCH_5240MHz_Ant2_NTNV



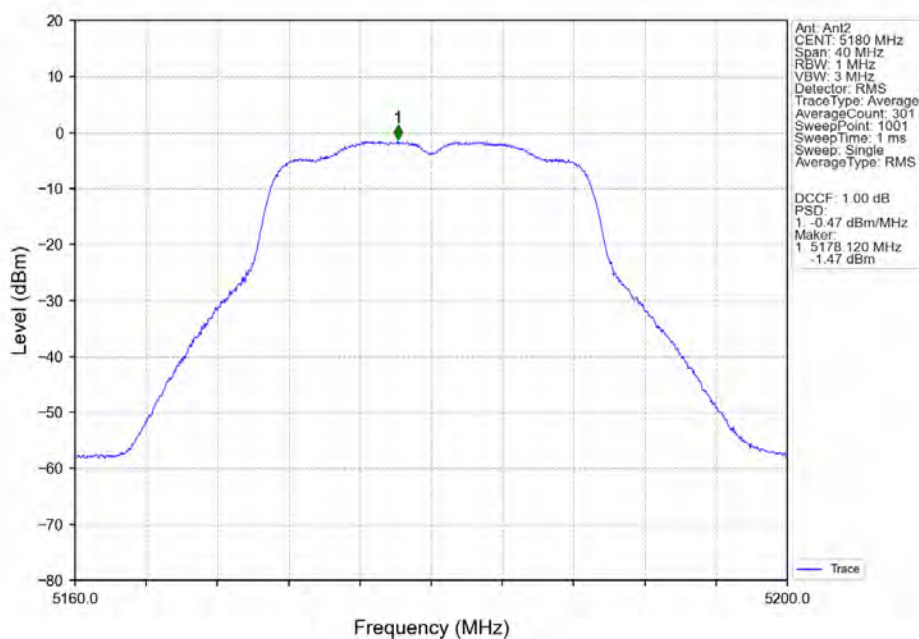
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



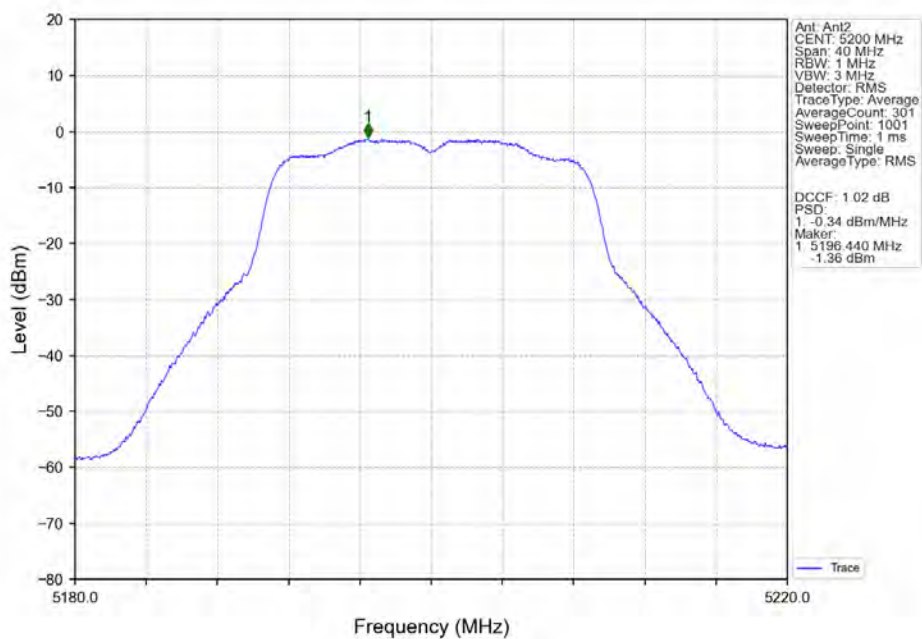
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



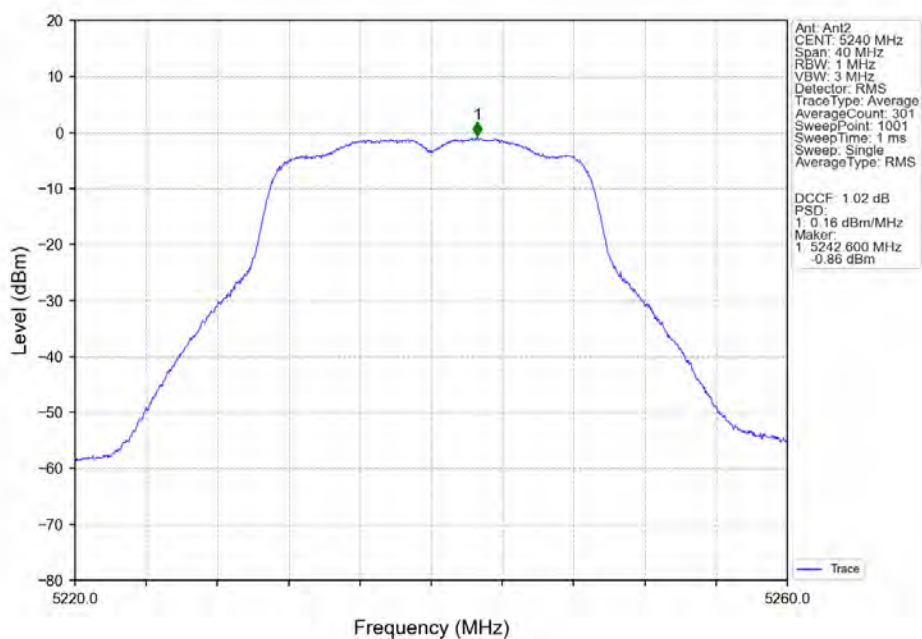
802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



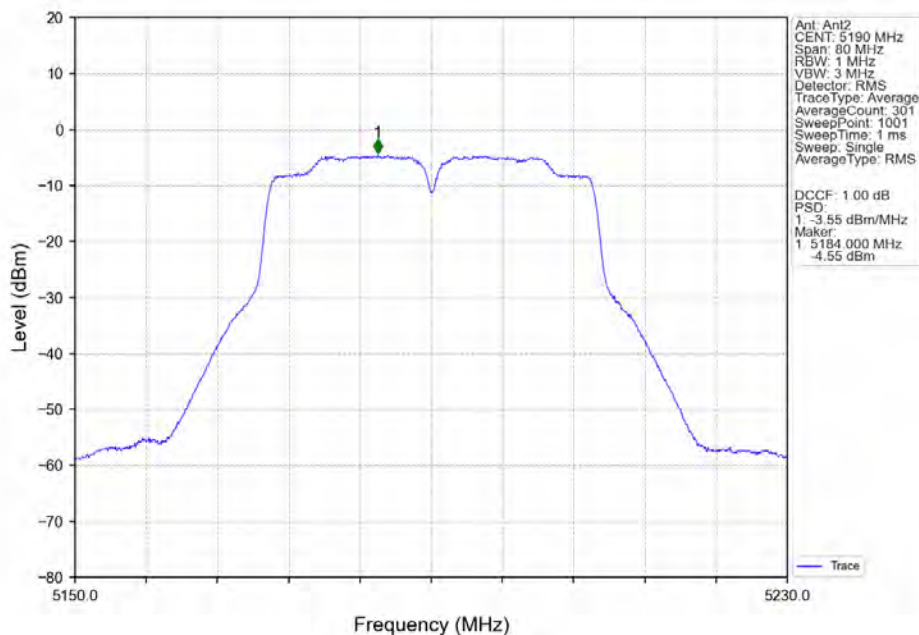
802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



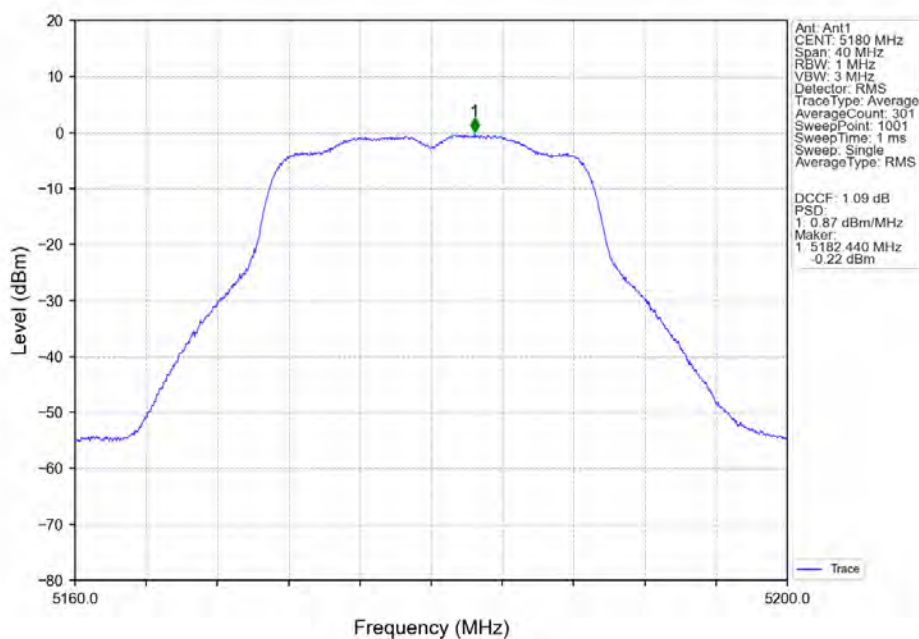
802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



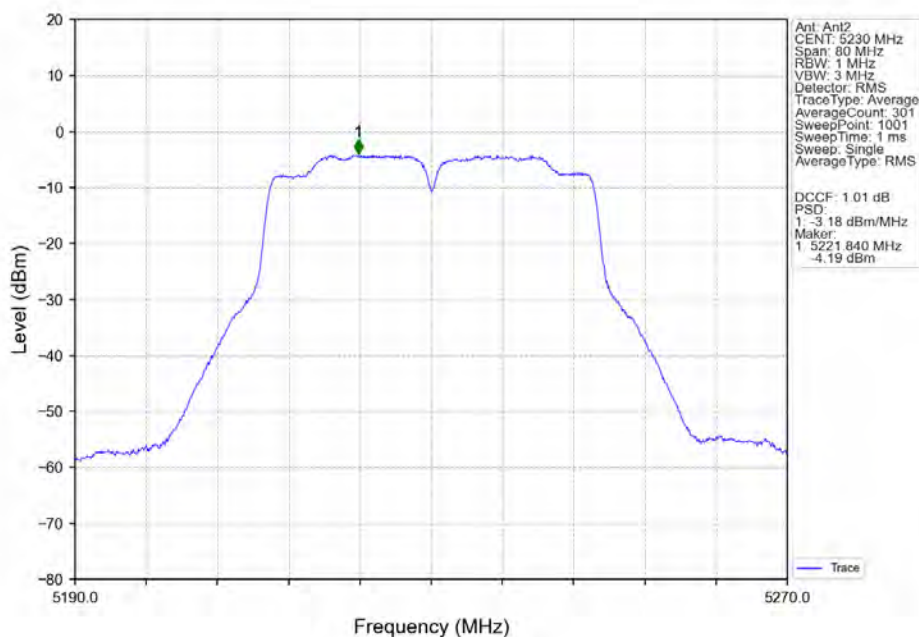
802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



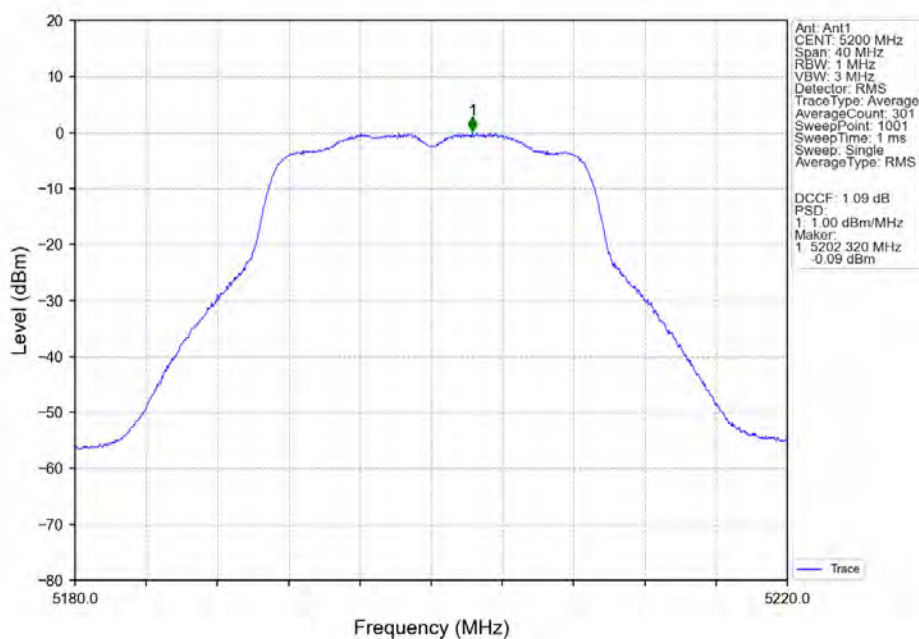
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



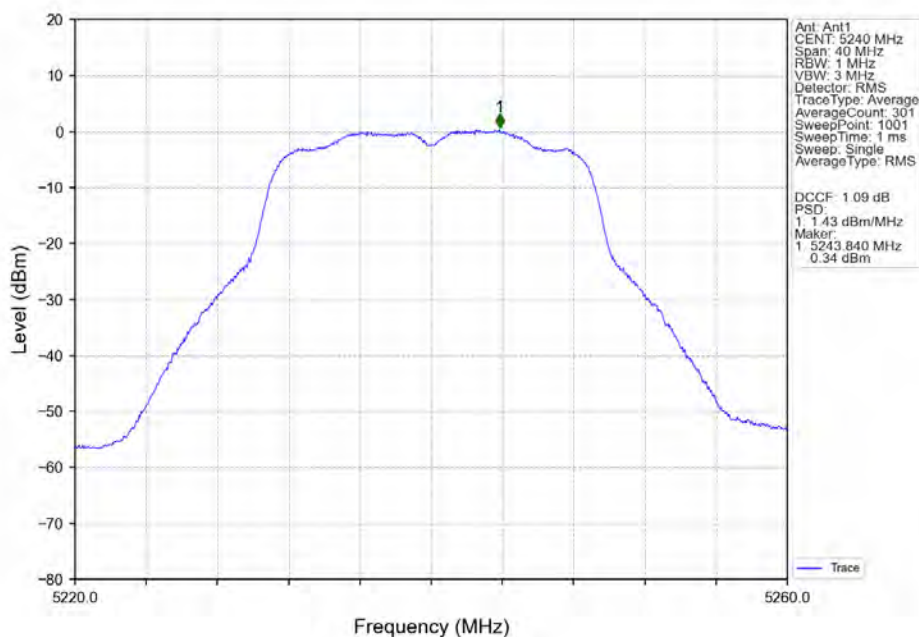
802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



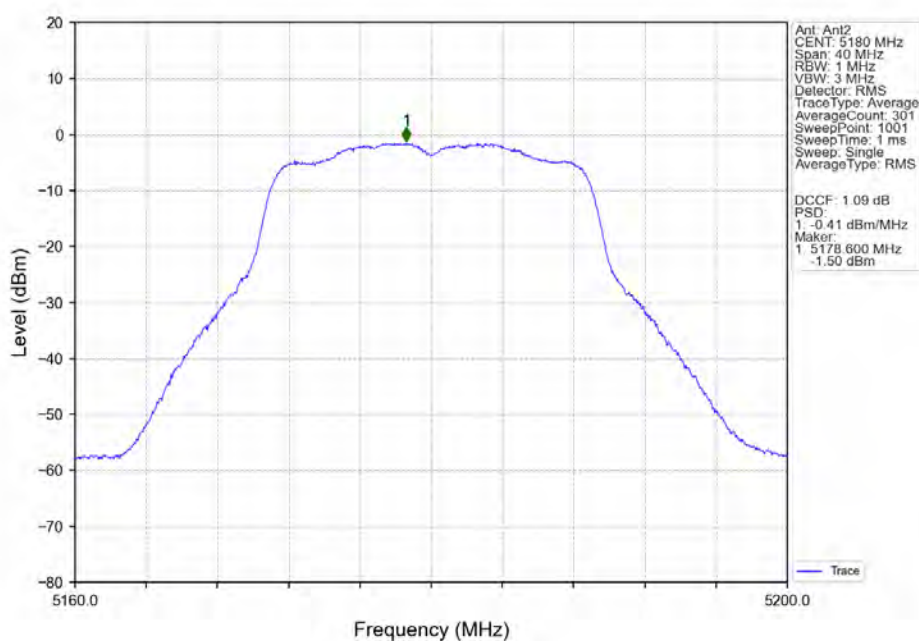
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



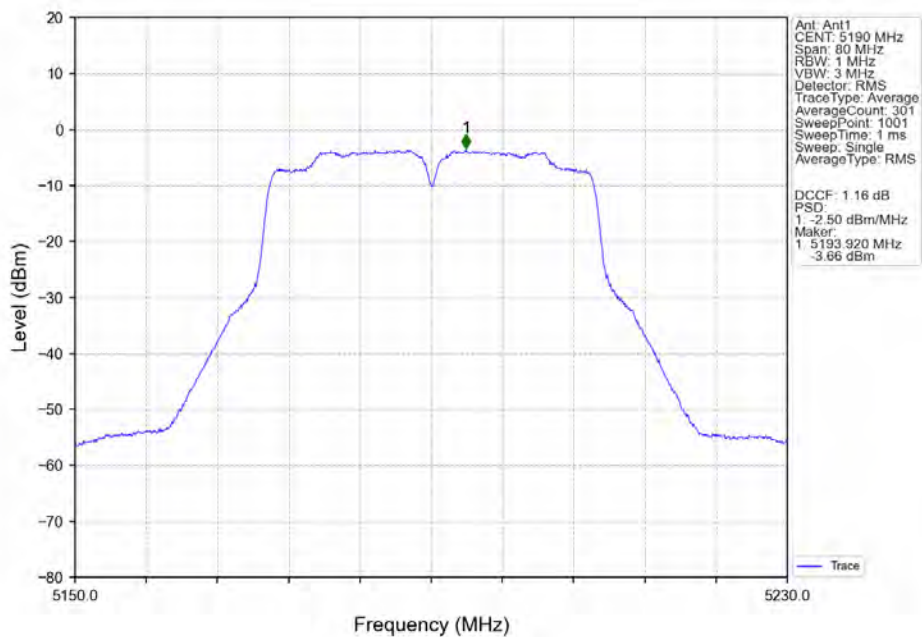
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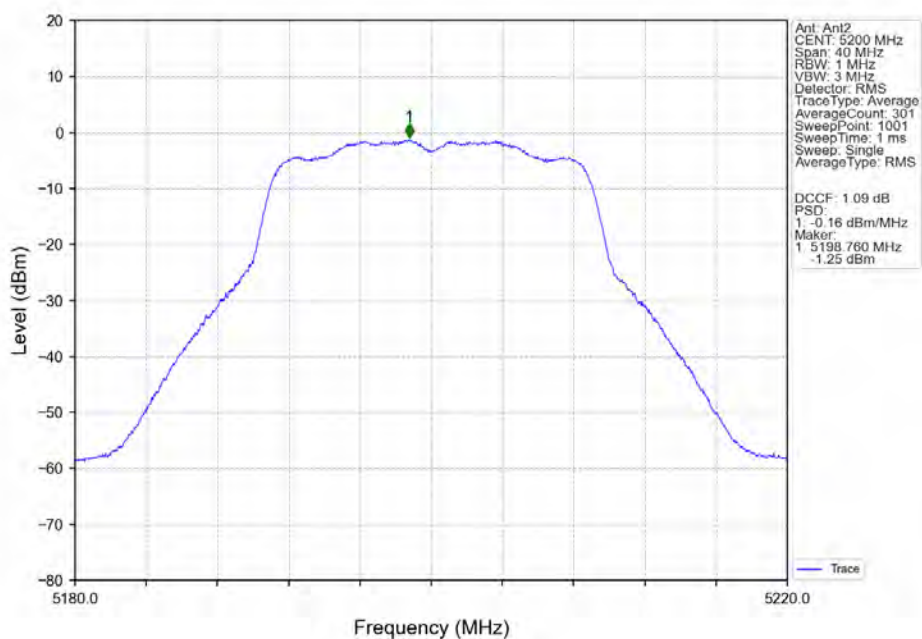
802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV



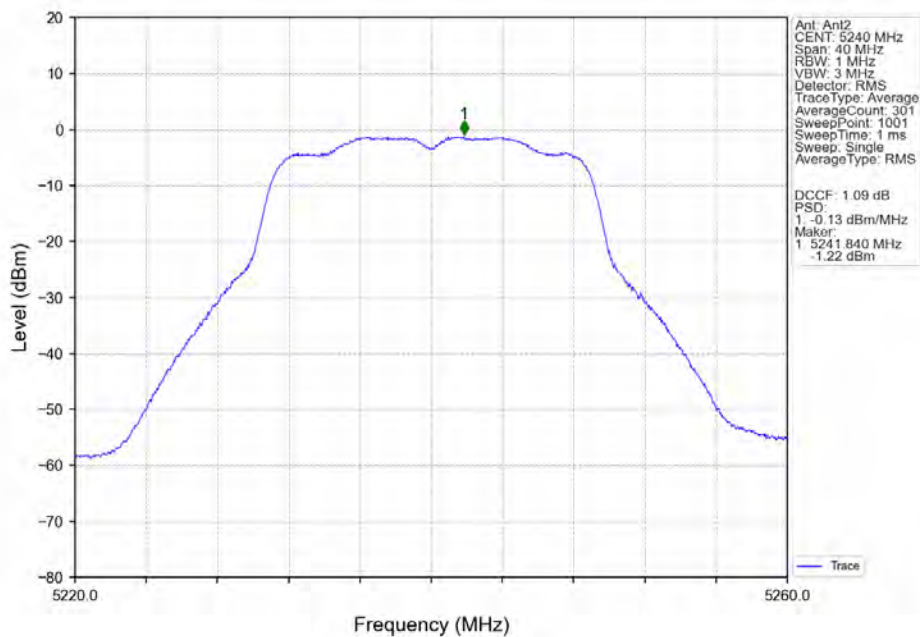
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



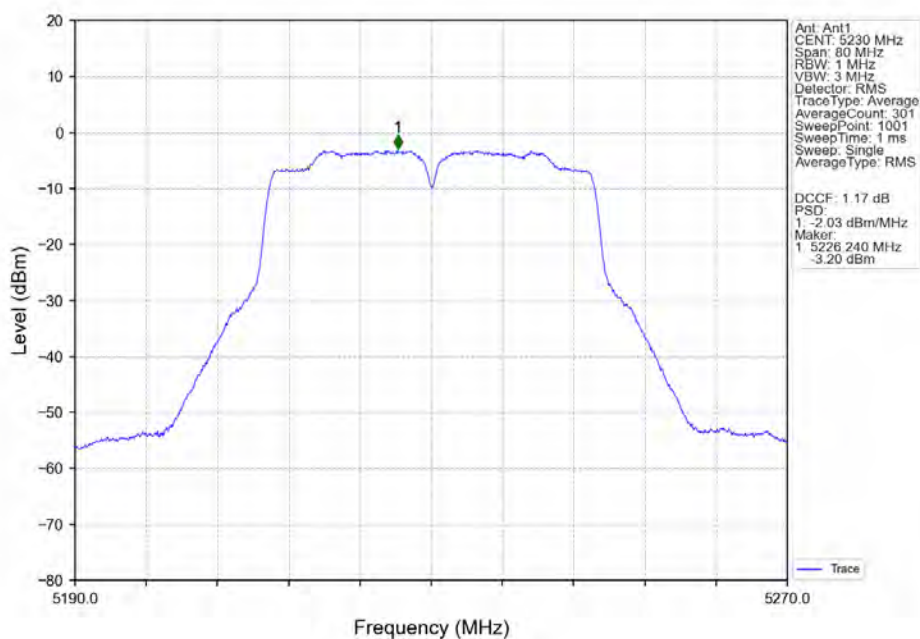
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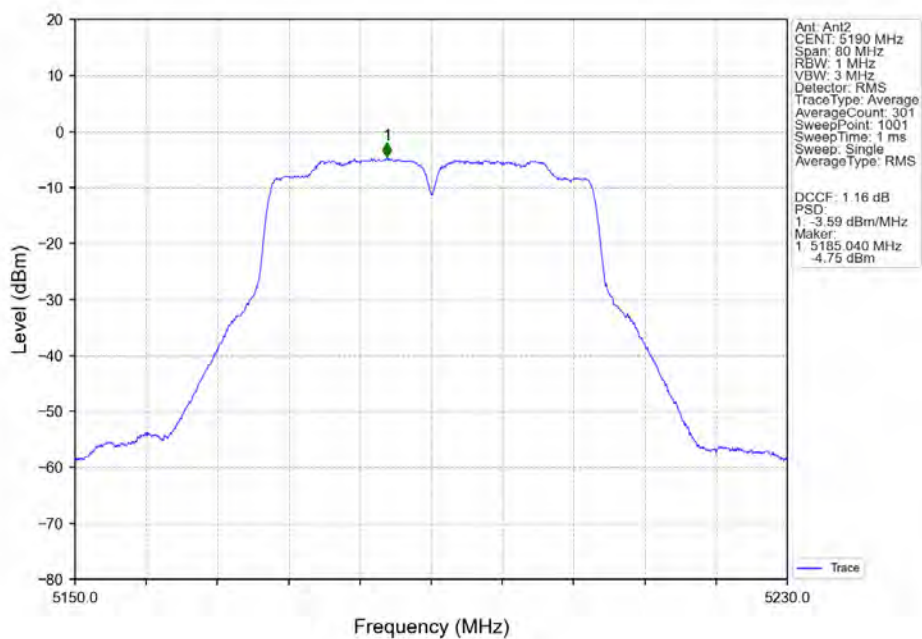
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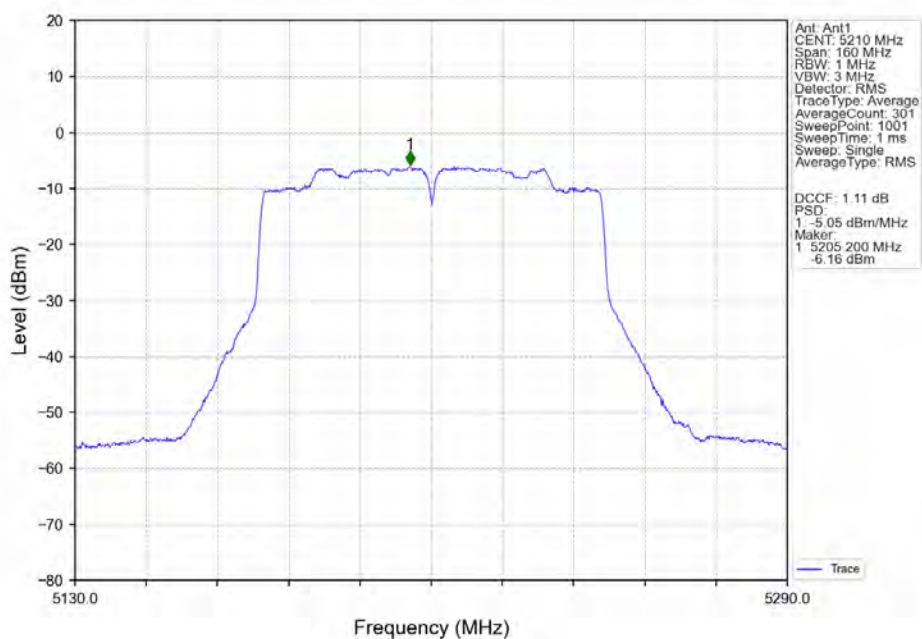
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



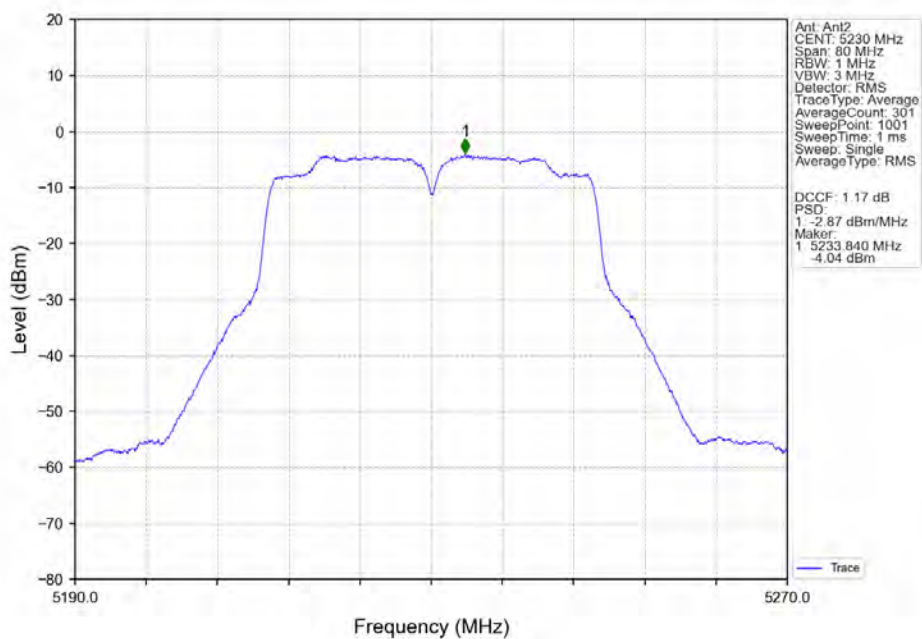
802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



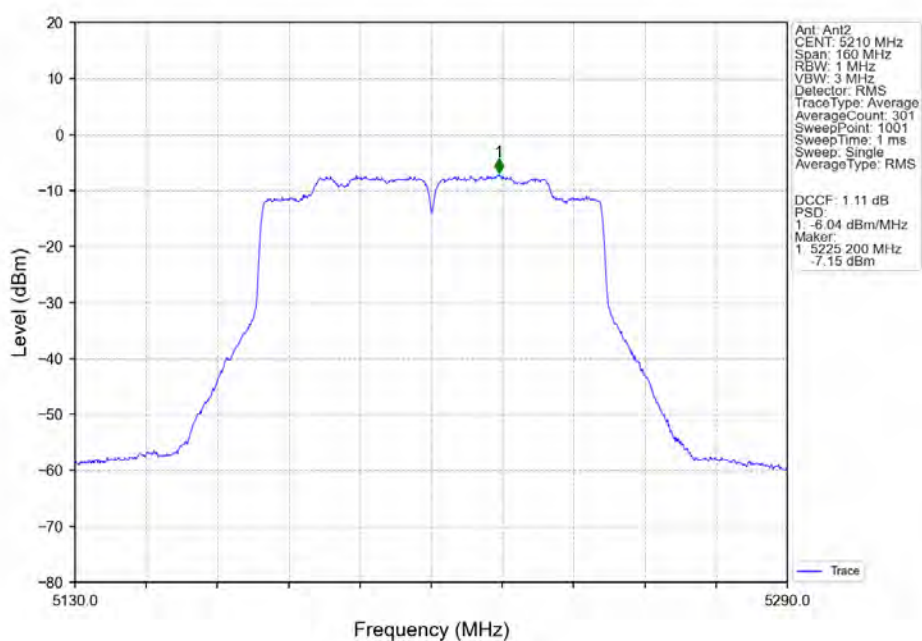
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



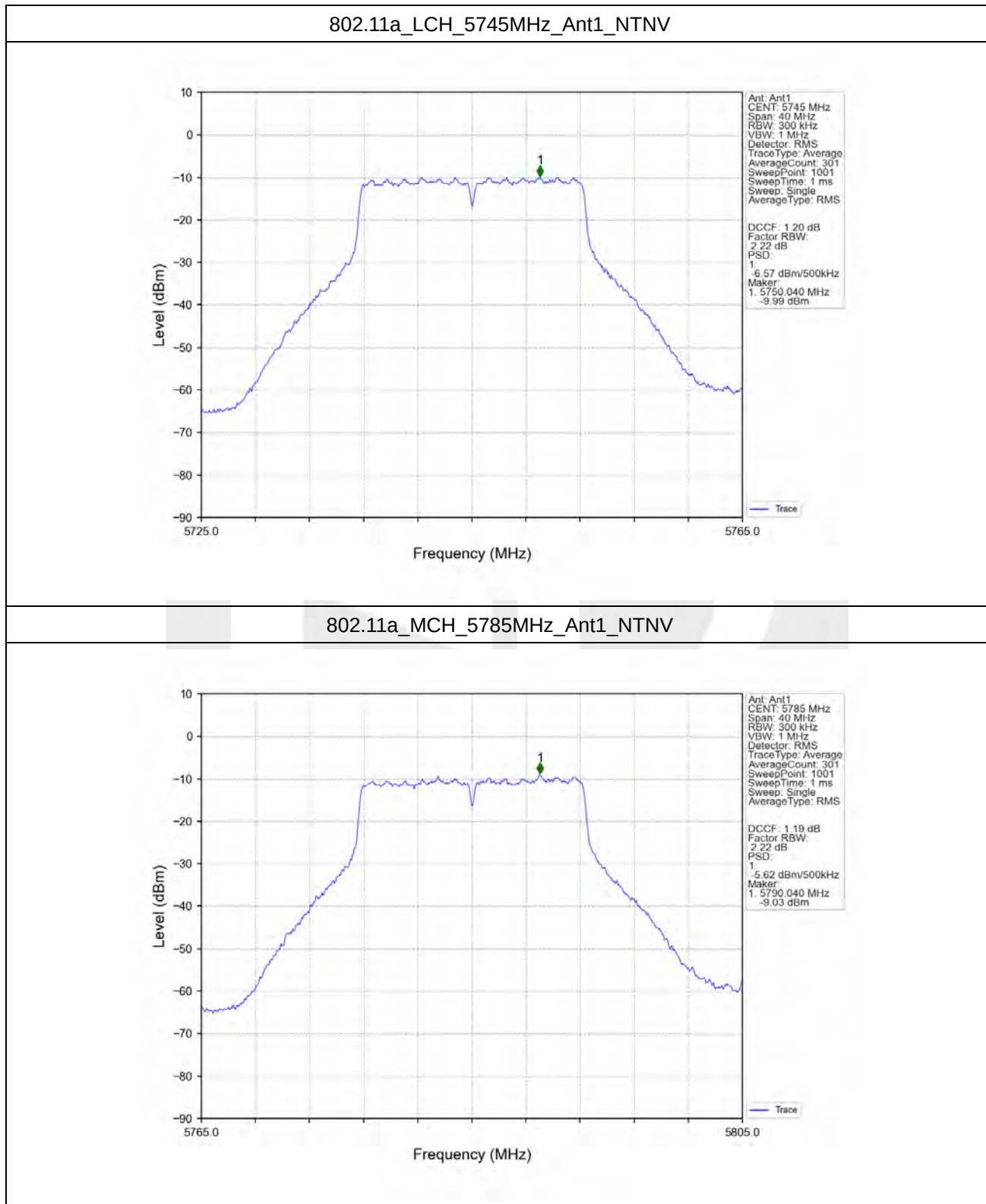
802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



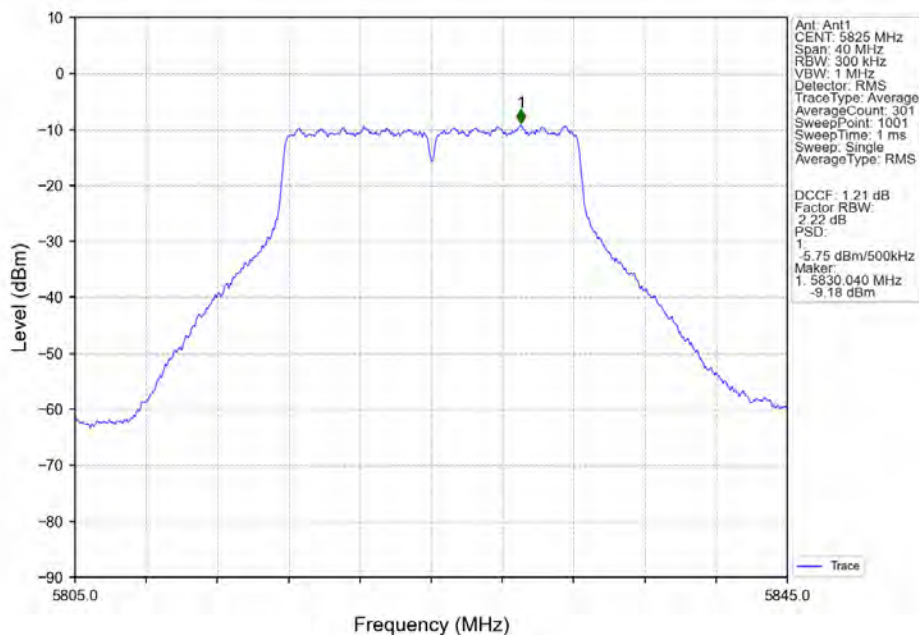
802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



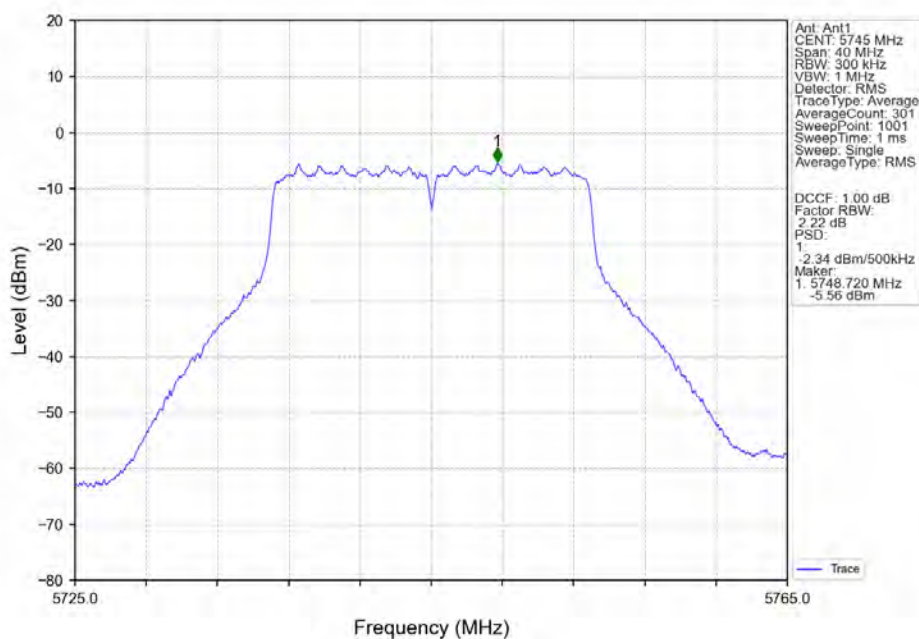
4.2.2 PSD-Band3



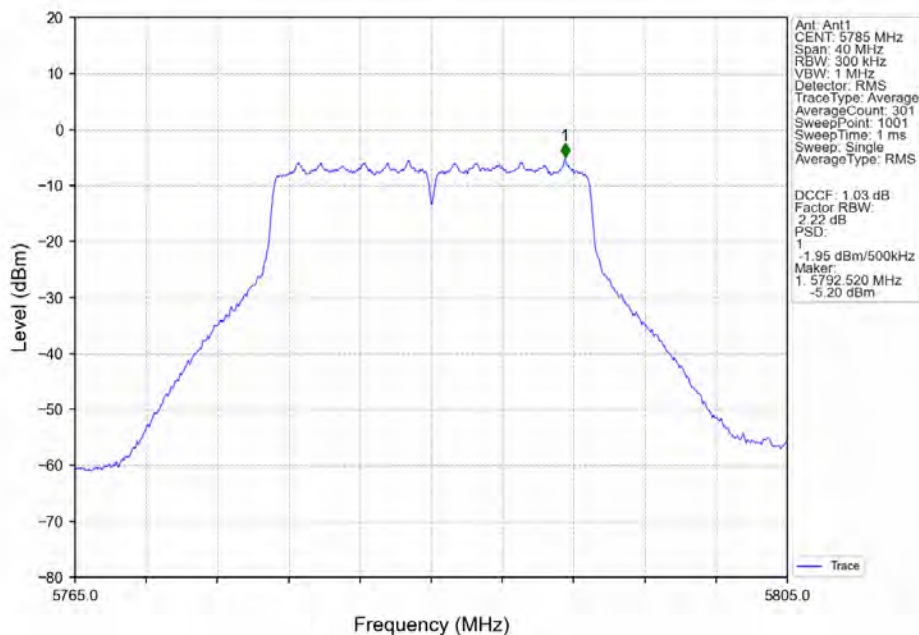
802.11a_HCH_5825MHz_Ant1_NTNV



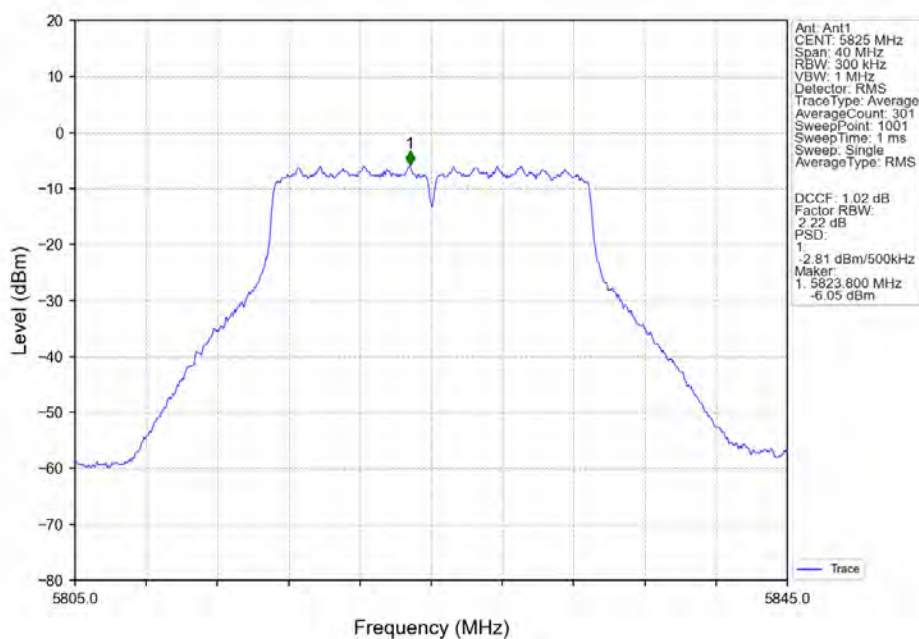
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



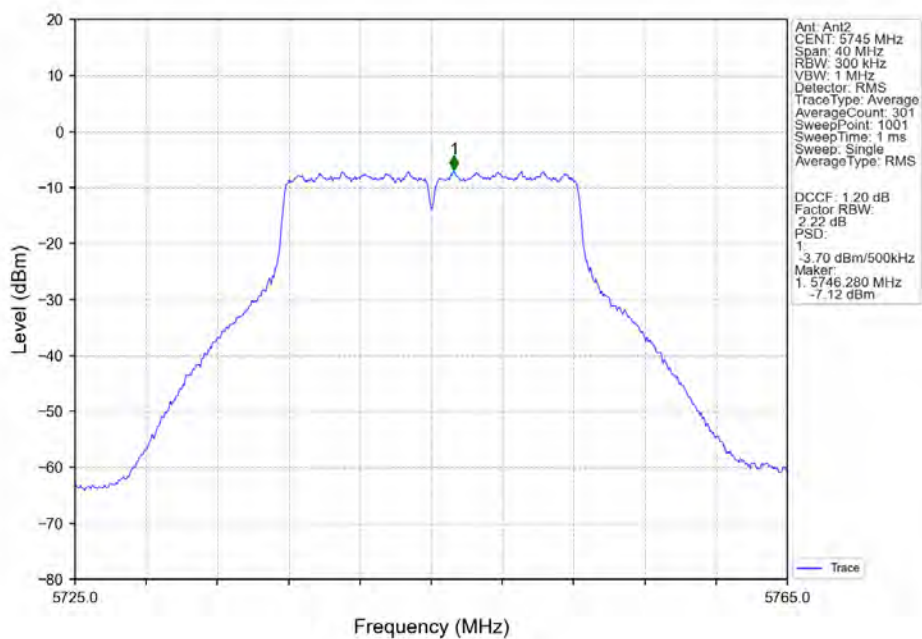
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



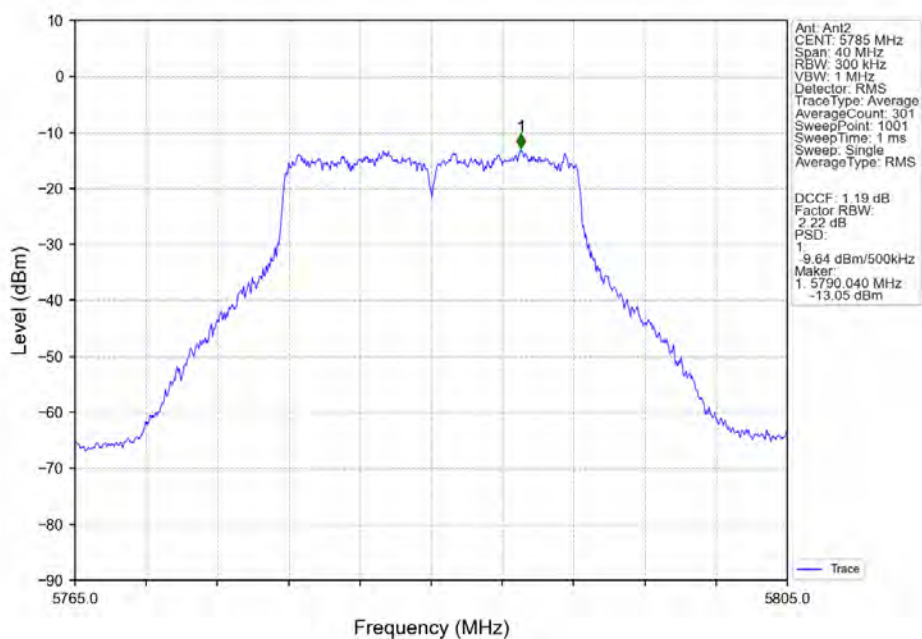
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



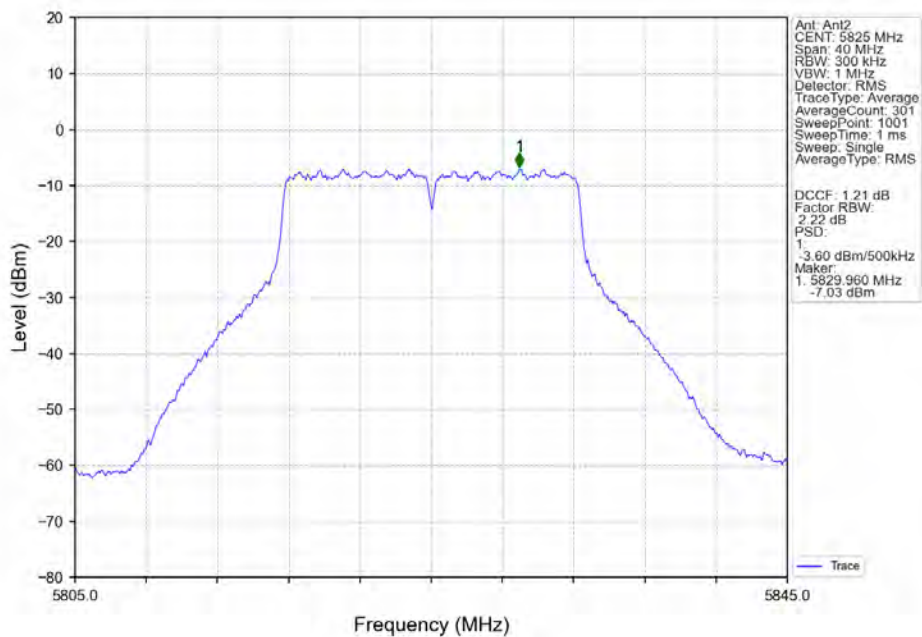
802.11a_LCH_5745MHz_Ant2_NTNV



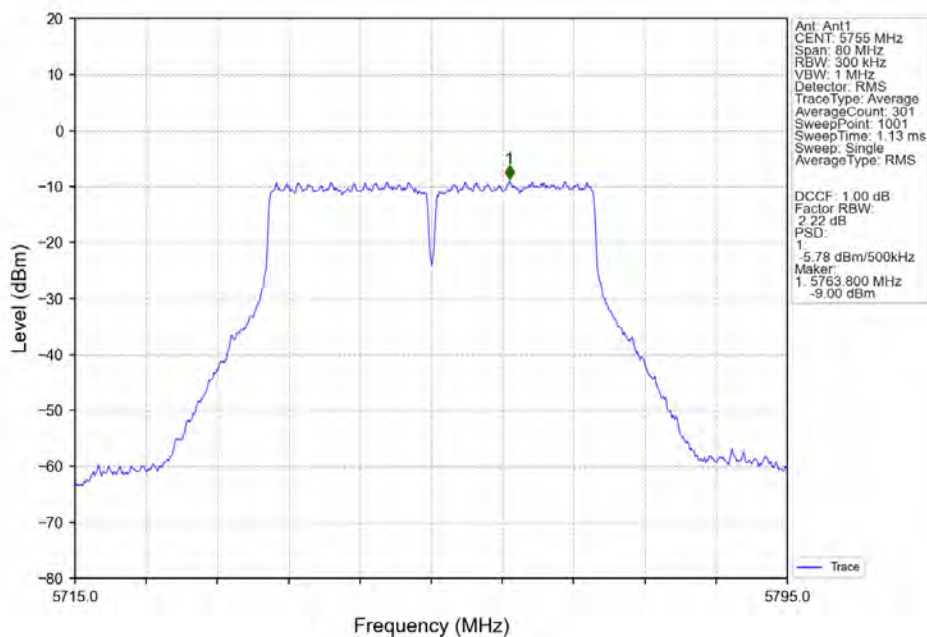
802.11a_MCH_5785MHz_Ant2_NTNV



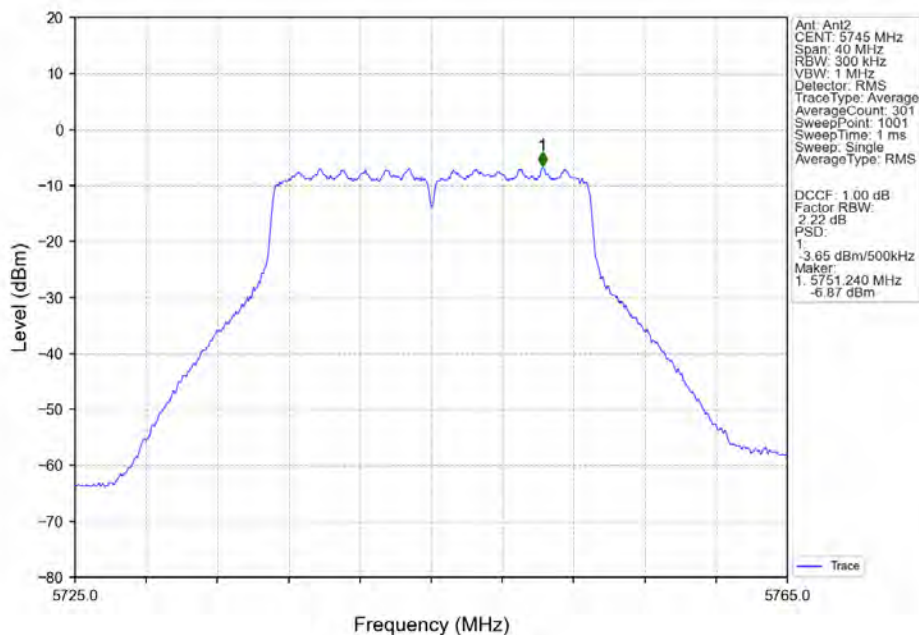
802.11a_HCH_5825MHz_Ant2_NTNV



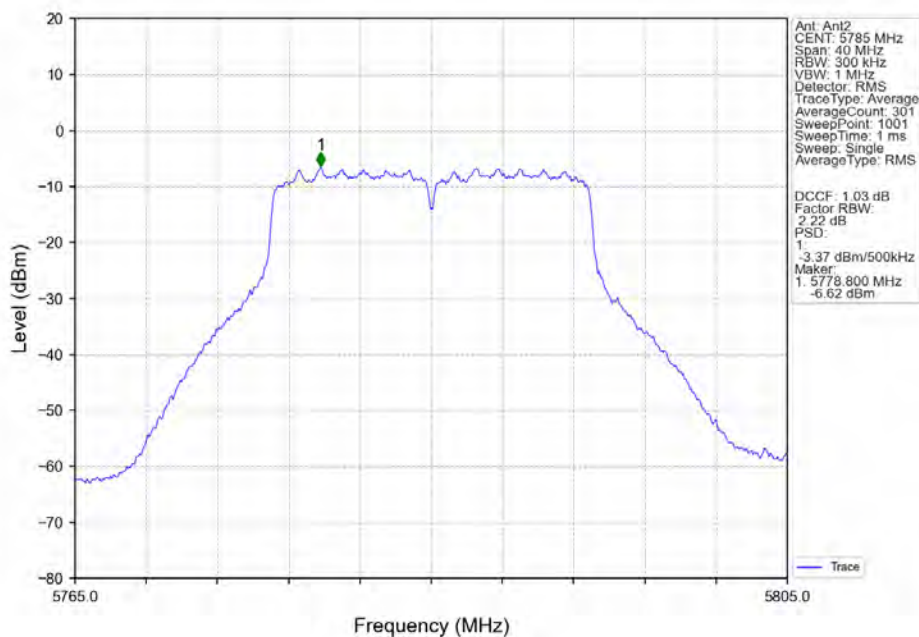
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



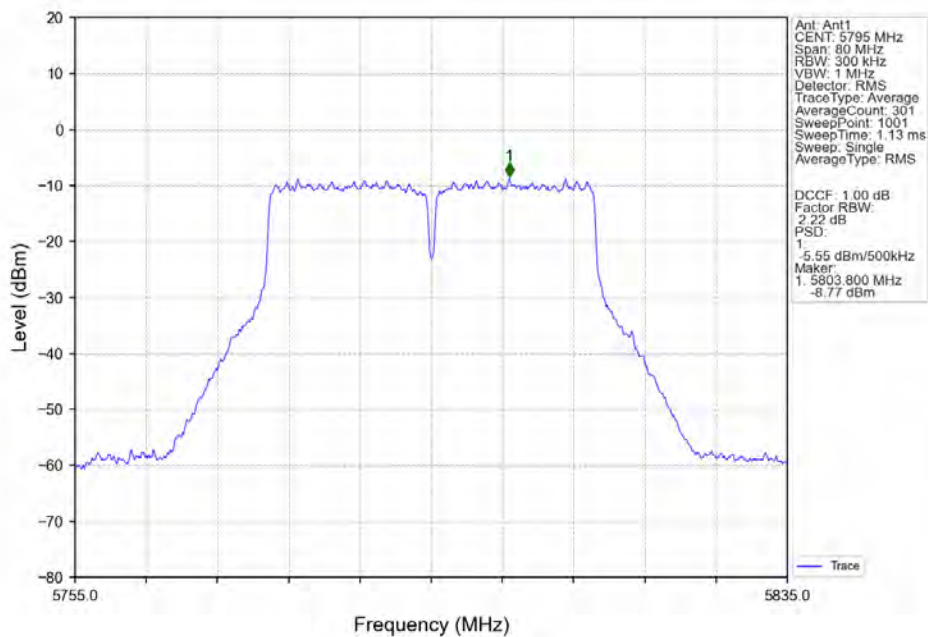
802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



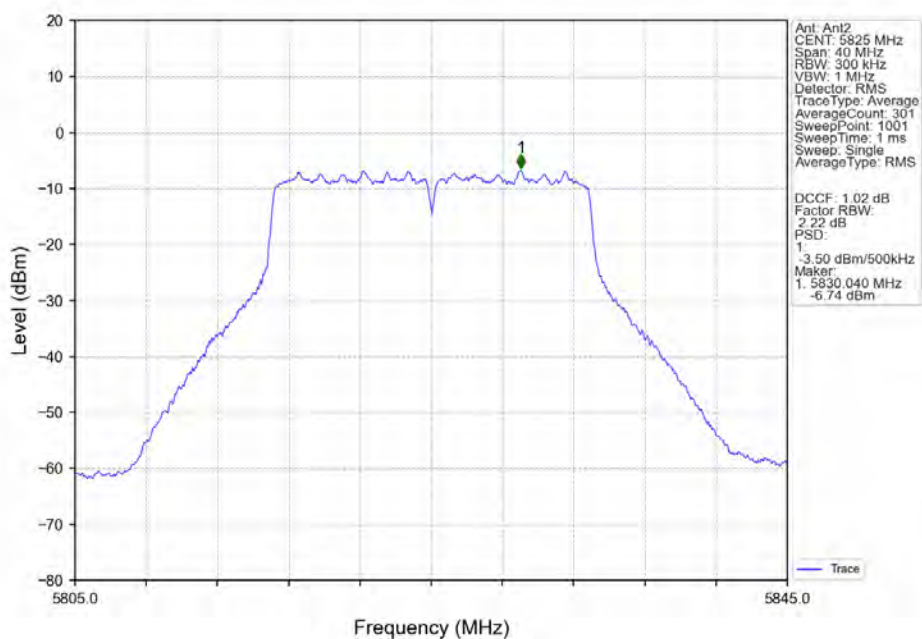
802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



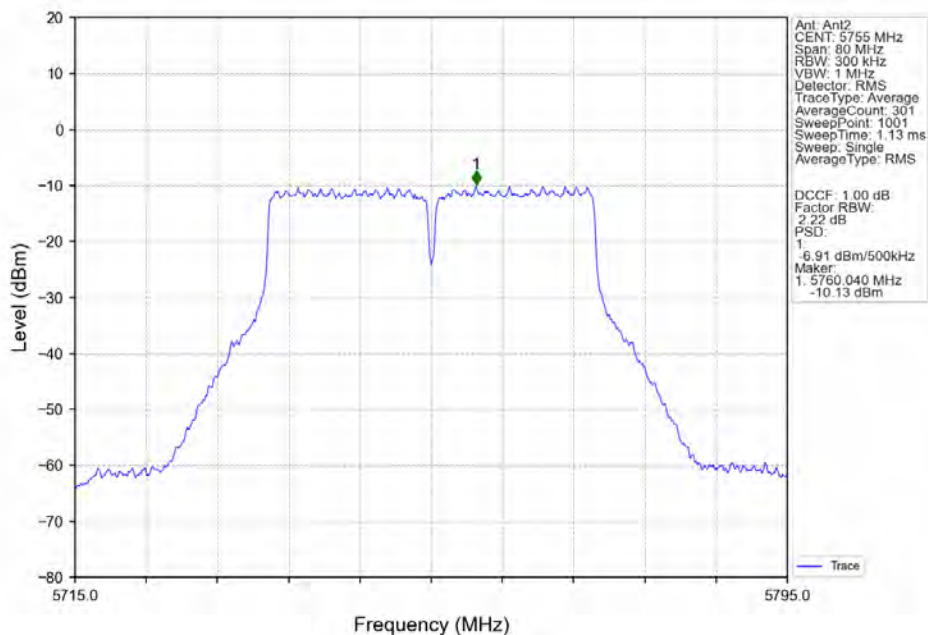
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



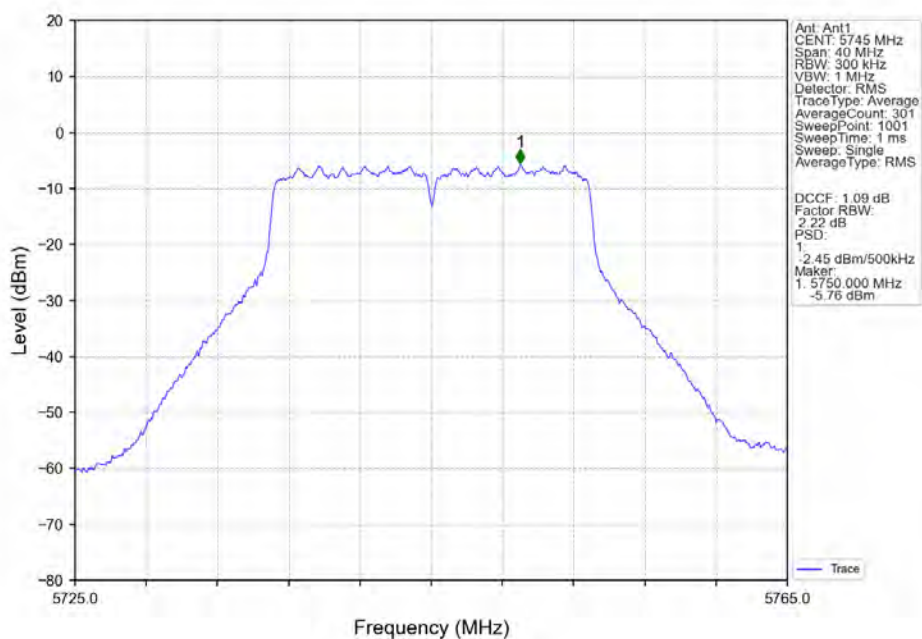
802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



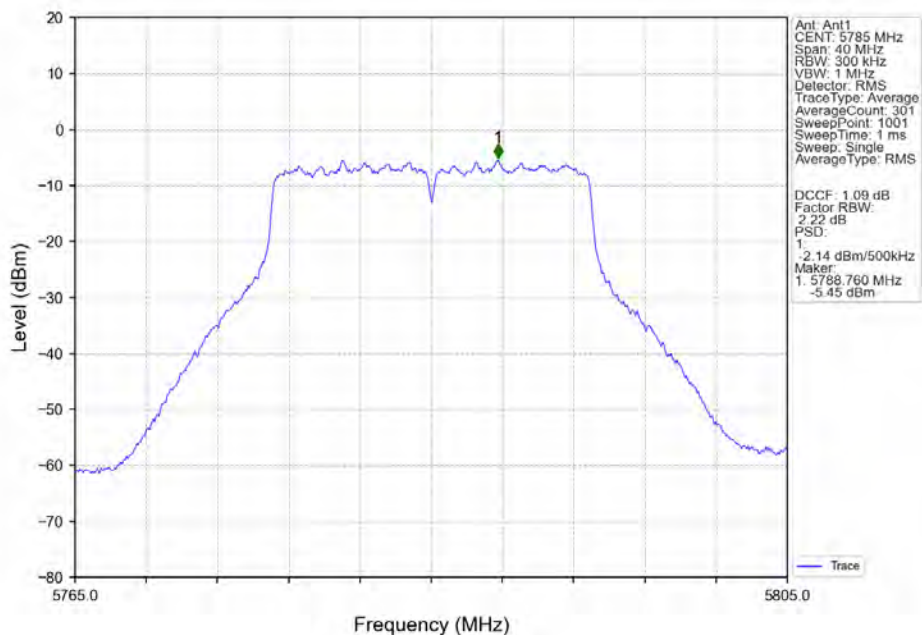
802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



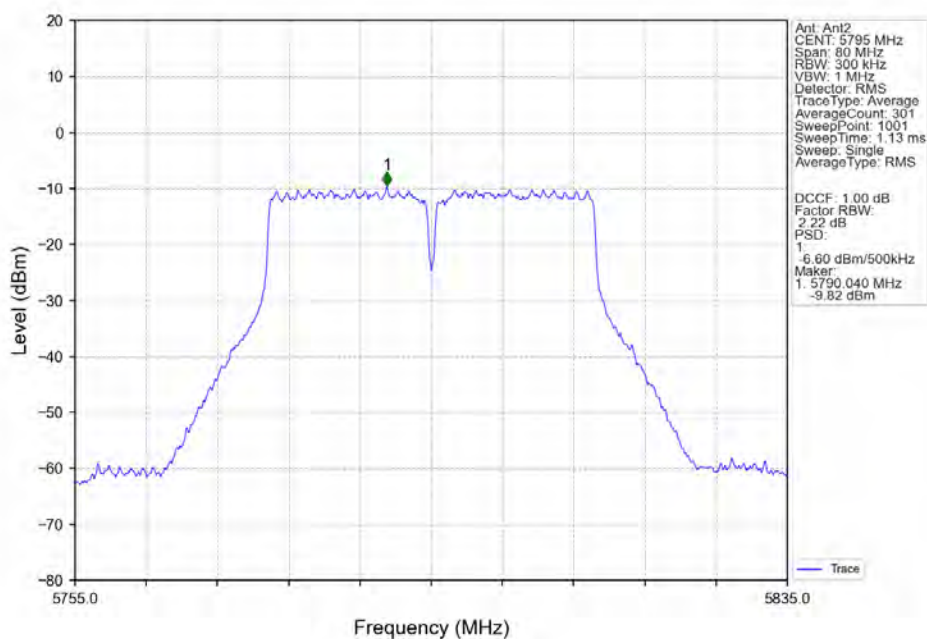
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



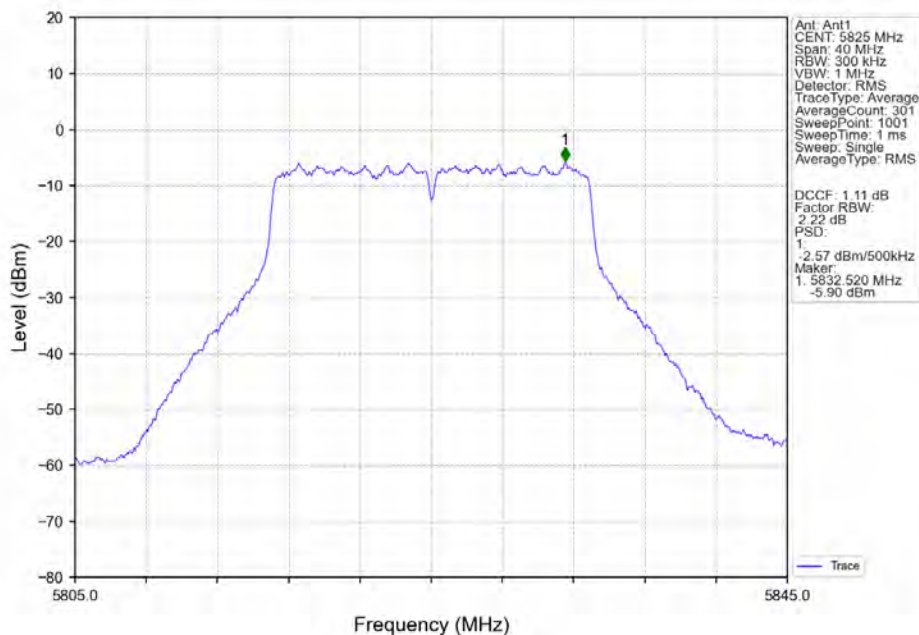
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



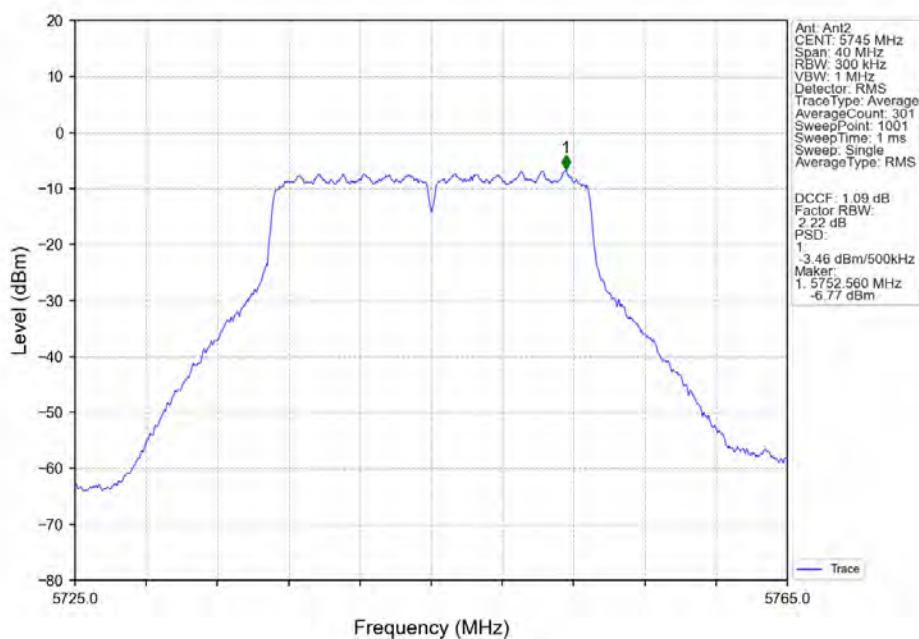
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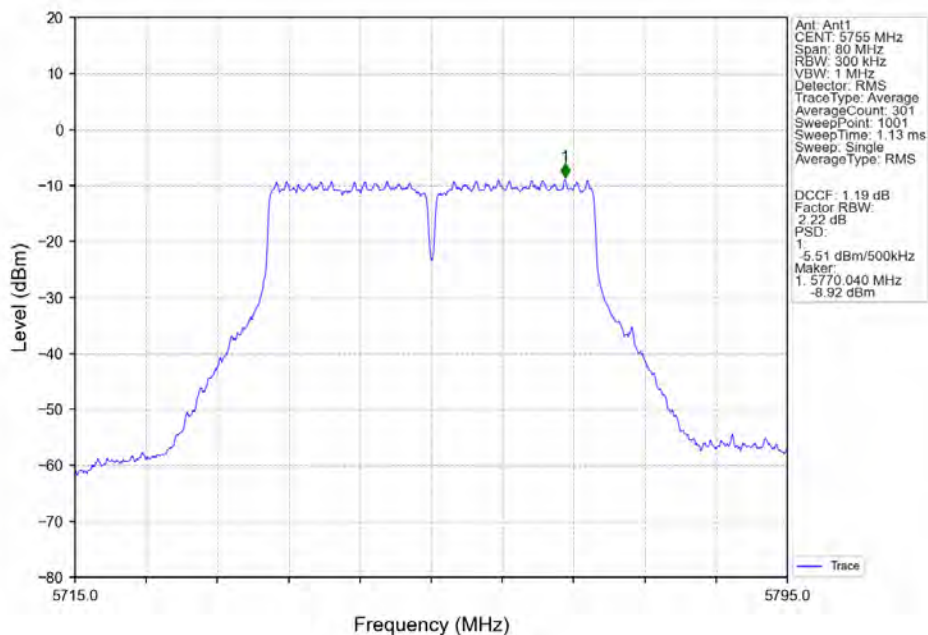
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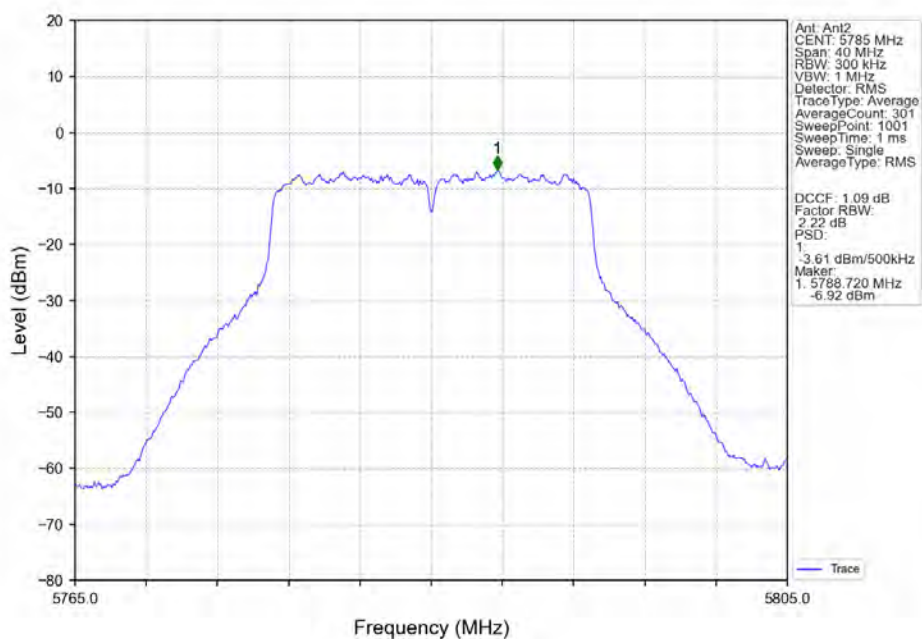
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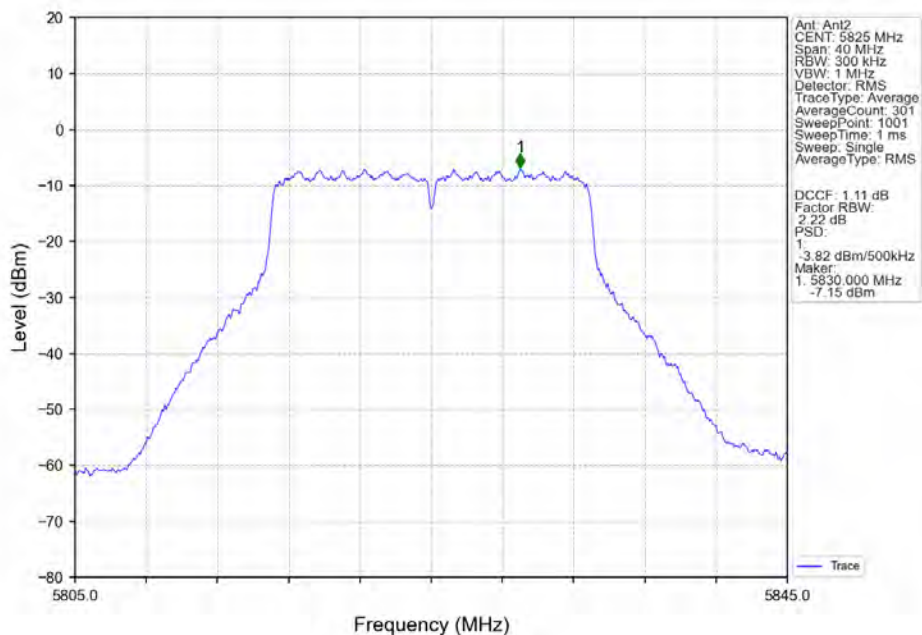
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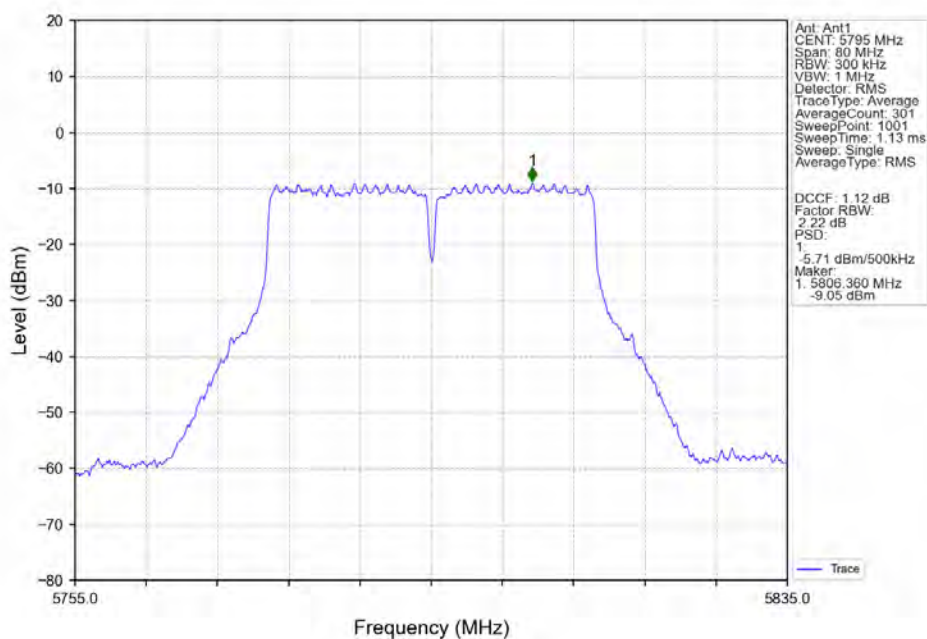
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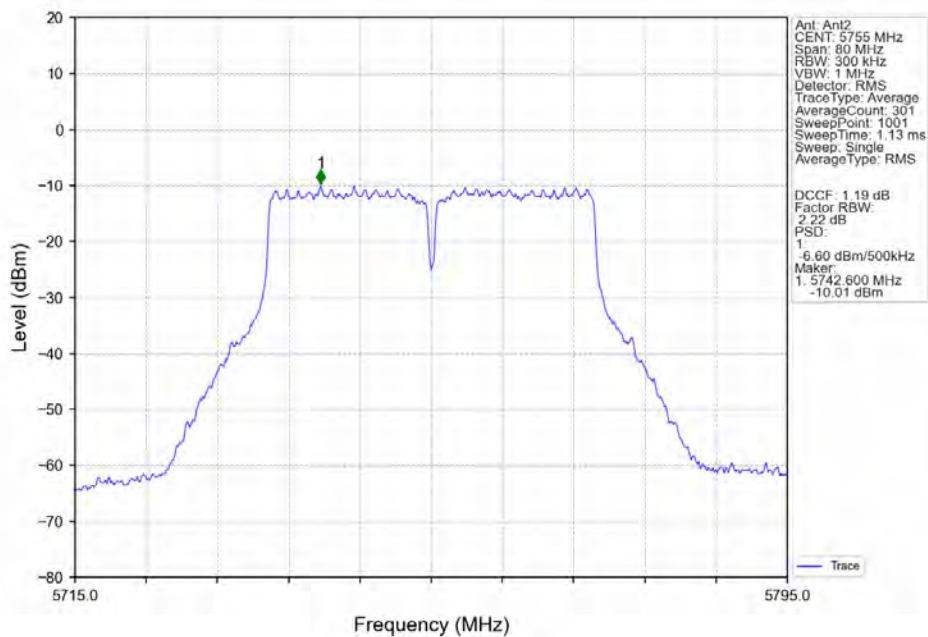
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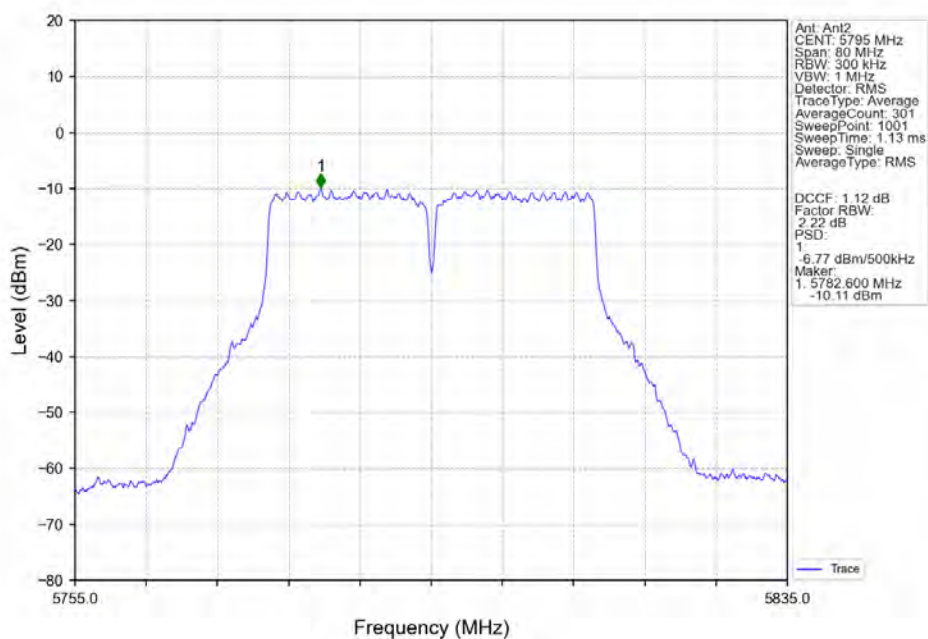
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



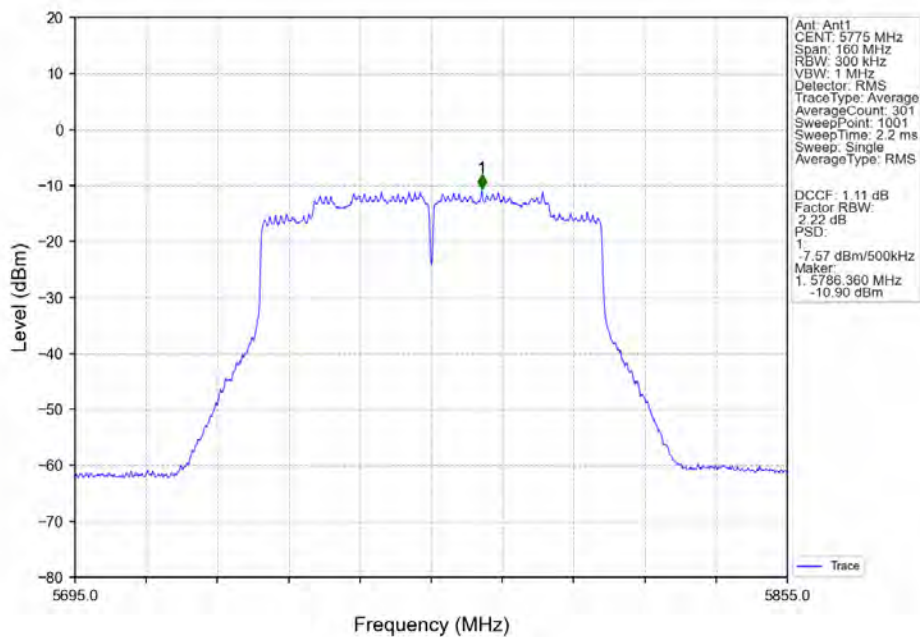
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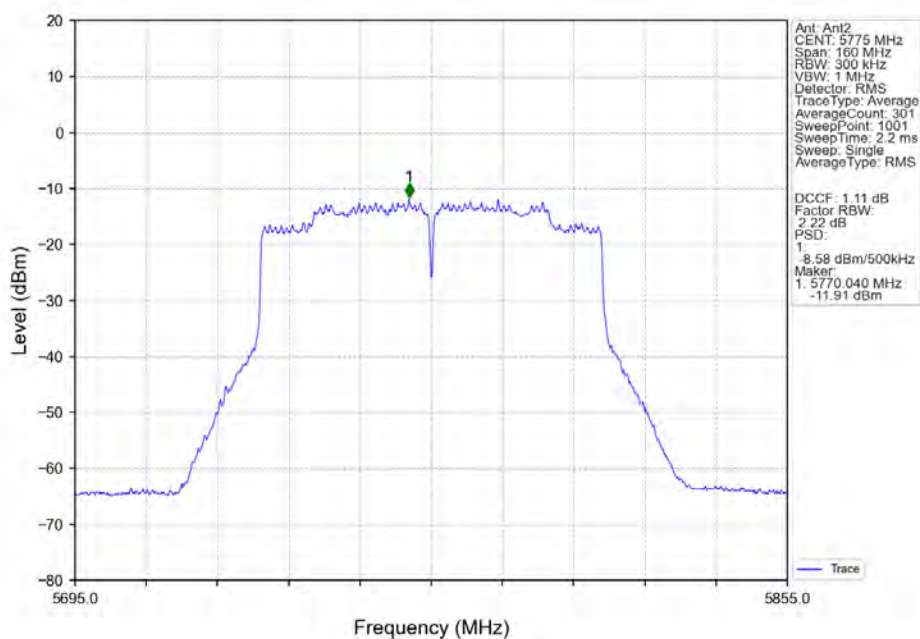
802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



5. Unwanted Emissions In Restricted Frequency Bands

5.1 Test Result

5.1.1 CSE

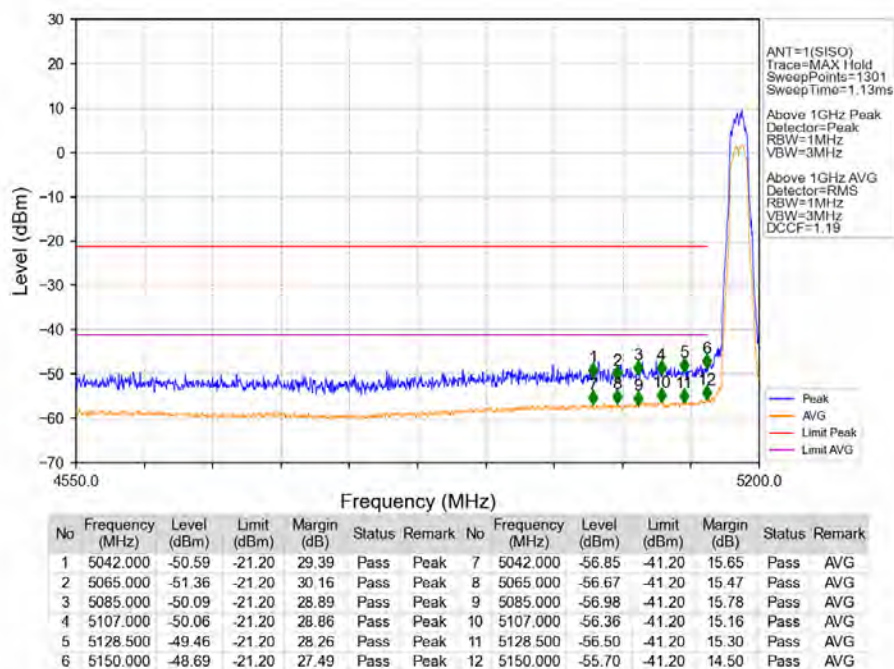
Mode	TX Type	Frequency (MHz)	ANT	Level of Unwanted Emissions (dBm)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5240	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5745	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5825	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
802.11n (HT20)	SISO	5180	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5240	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5745	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5825	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
802.11n (HT40)	SISO	5190	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5230	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5755	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5795	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
802.11ac (VHT20)	SISO	5180	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5200	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5240	1	Refer To Test Graph		Pass

			2	Refer To Test Graph	Pass
		5745	1	Refer To Test Graph	Pass
			2	Refer To Test Graph	Pass
		5785	1	Refer To Test Graph	Pass
			2	Refer To Test Graph	Pass
		5825	1	Refer To Test Graph	Pass
			2	Refer To Test Graph	Pass
802.11ac (VHT40)	SISO	5190	1	Refer To Test Graph	Pass
			2	Refer To Test Graph	Pass
		5230	1	Refer To Test Graph	Pass
			2	Refer To Test Graph	Pass
		5755	1	Refer To Test Graph	Pass
			2	Refer To Test Graph	Pass
		5795	1	Refer To Test Graph	Pass
			2	Refer To Test Graph	Pass
802.11ac (VHT80)	SISO	5210	1	Refer To Test Graph	Pass
			2	Refer To Test Graph	Pass
		5775	1	Refer To Test Graph	Pass
			2	Refer To Test Graph	Pass
Note: 1) EIRP[dBm]=E[dBuV/m]- 95.2, for d= 3 m; 2) Level[dBm] results have calculated the antenna gain; 3) Antenna gain= U-NII-1: 5150 MHz to 5250 MHz: 2.35 dBi and U-NII-3: 5725 MHz to 5850 MHz: 2.35 dBi.					

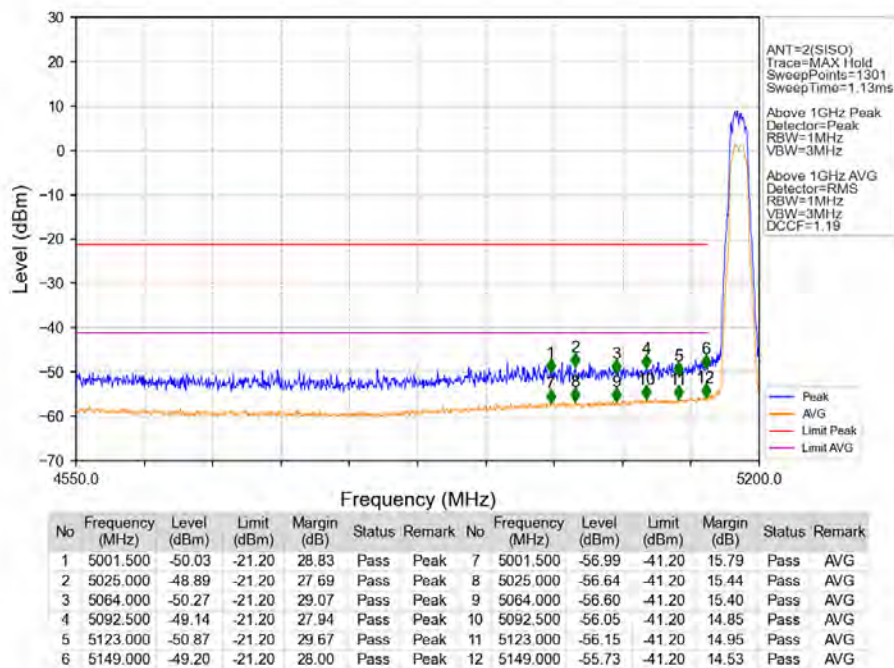
5.2 Test Graph

5.2.1 CSE

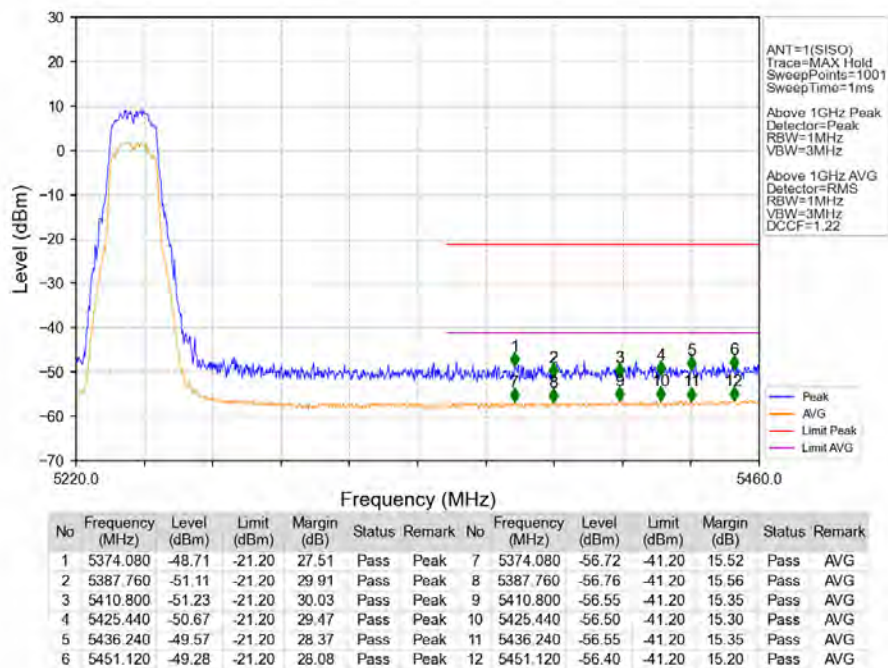
802.11a_LCH_5180MHz_Ant1_NTNV



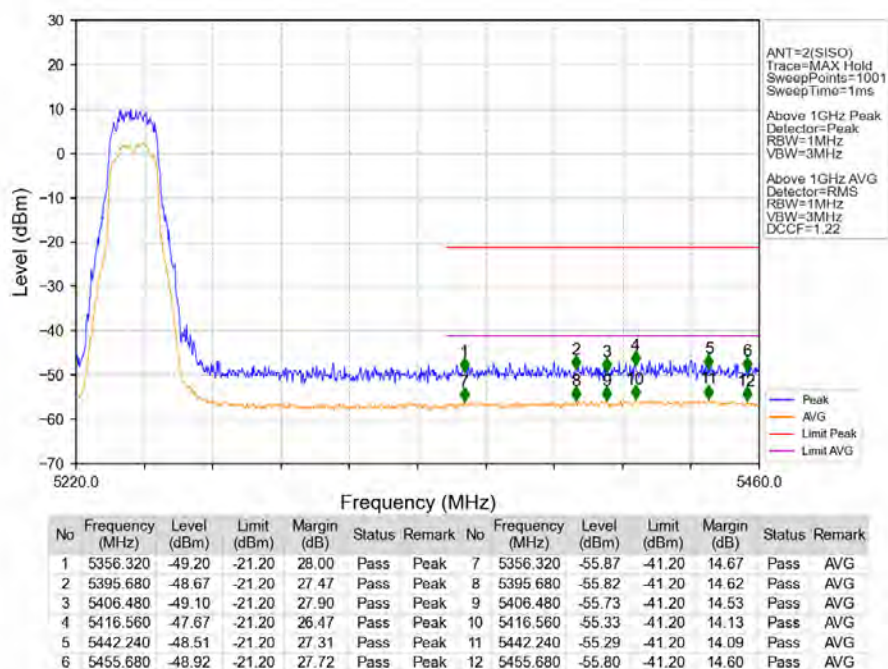
802.11a_LCH_5180MHz_Ant2_NTNV



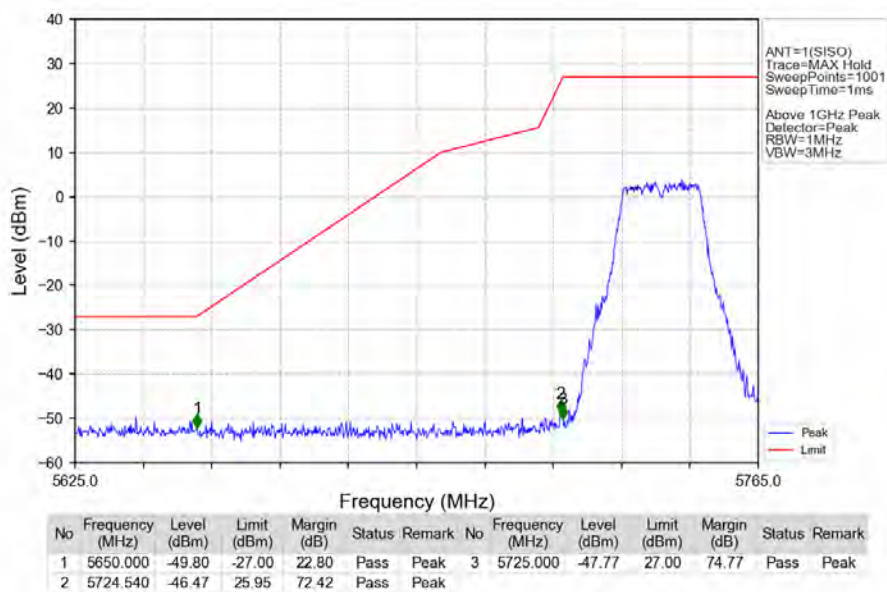
802.11a_HCH_5240MHz_Ant1_NTNV



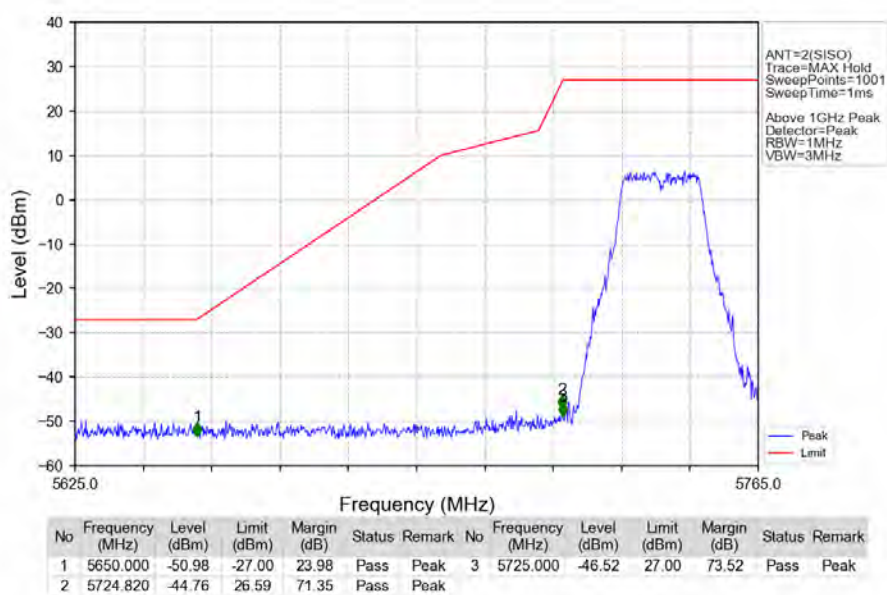
802.11a_HCH_5240MHz_Ant2_NTNV



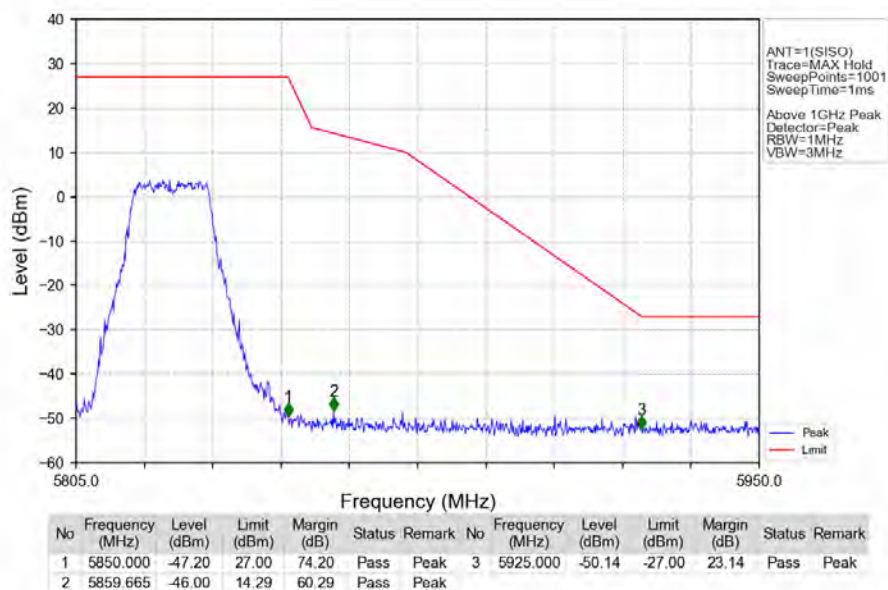
802.11a_LCH_5745MHz_Ant1_NTNV



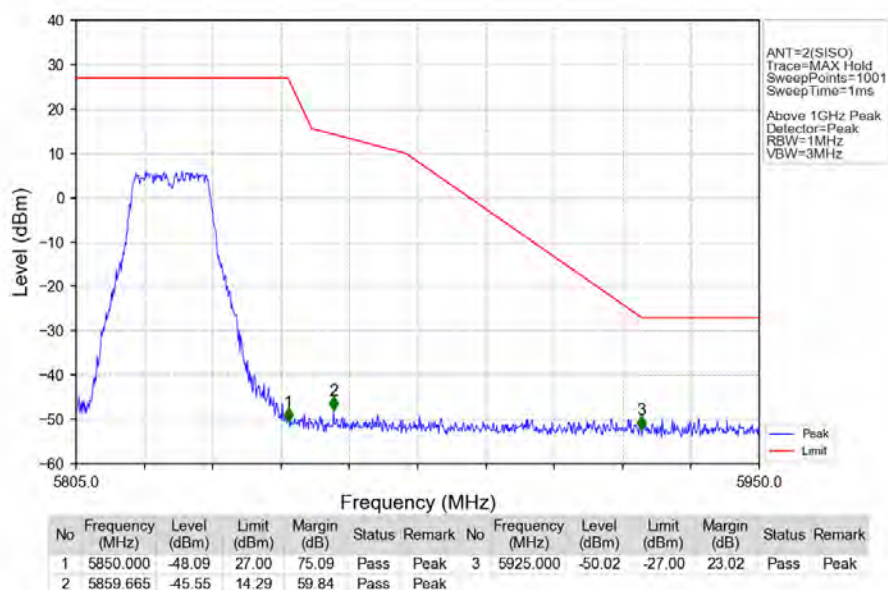
802.11a_LCH_5745MHz_Ant2_NTNV



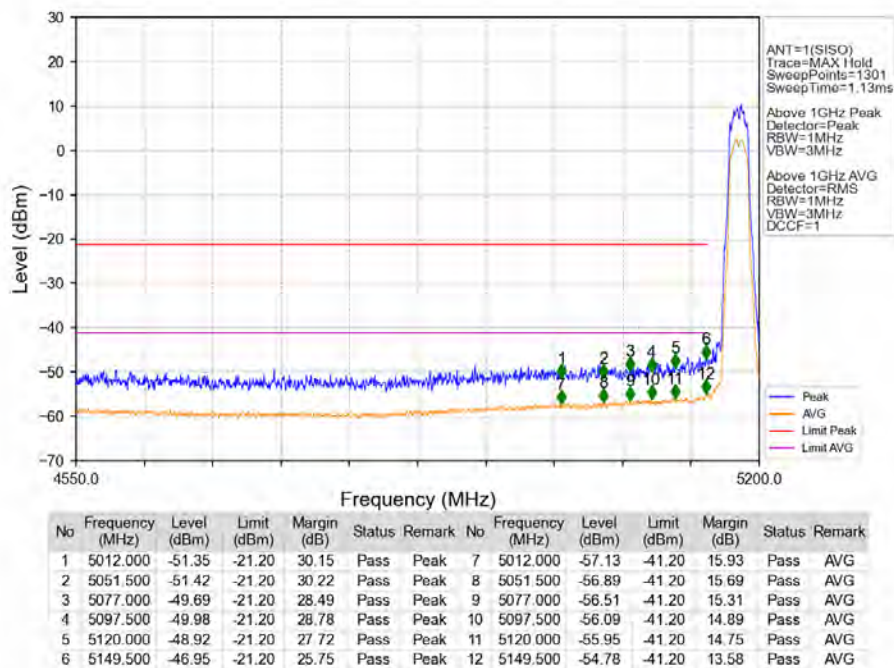
802.11a_HCH_5825MHz_Ant1_NTNV



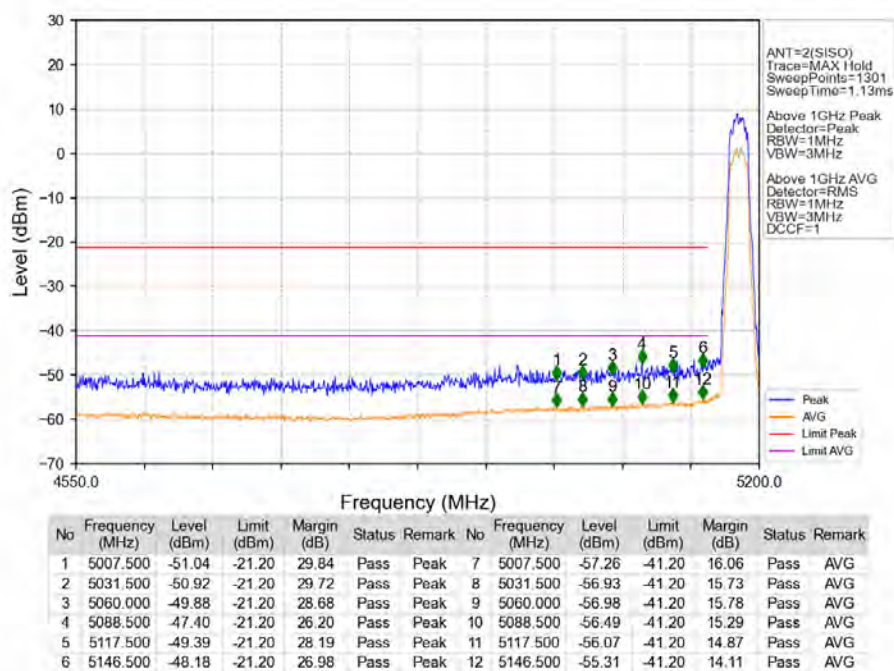
802.11a_HCH_5825MHz_Ant2_NTNV



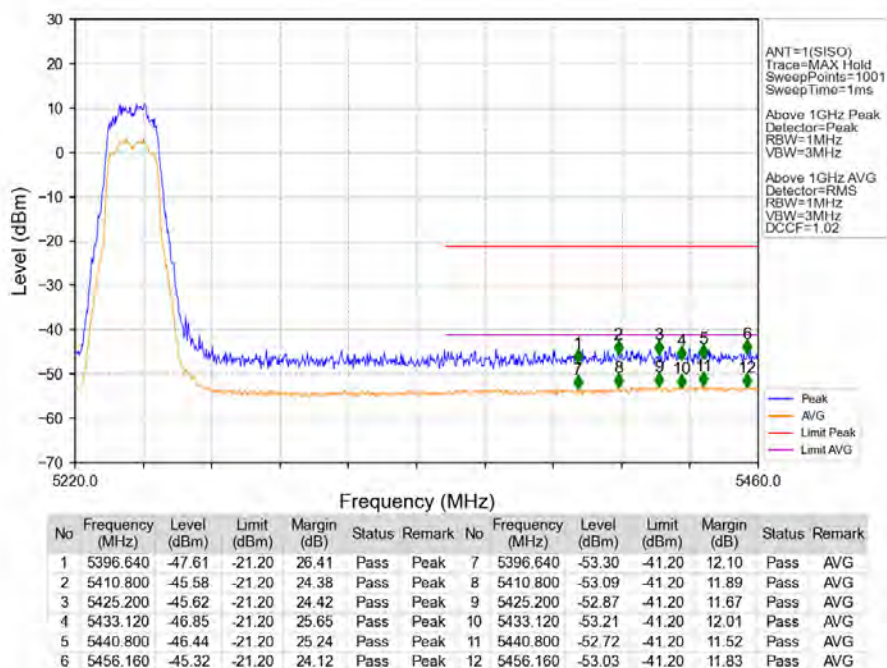
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



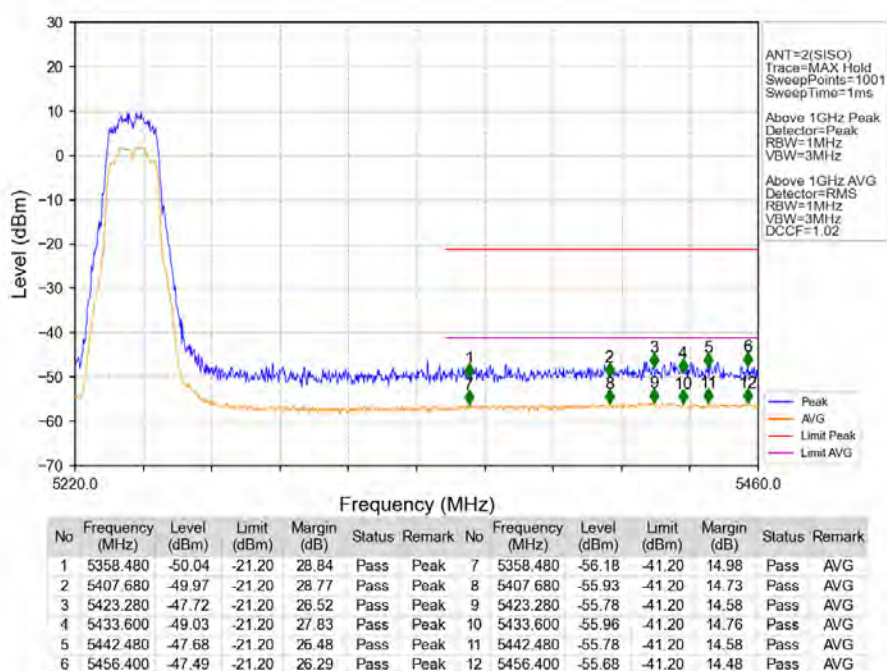
802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



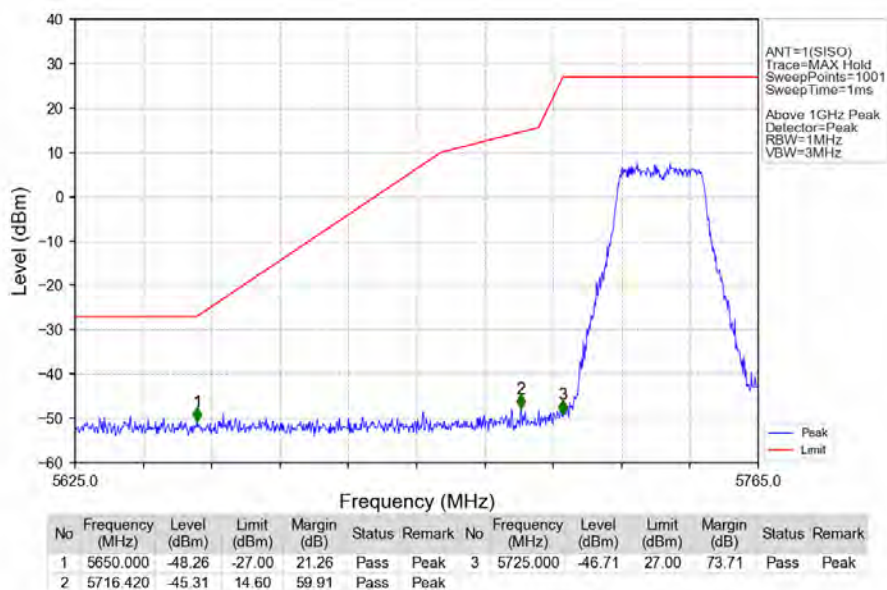
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



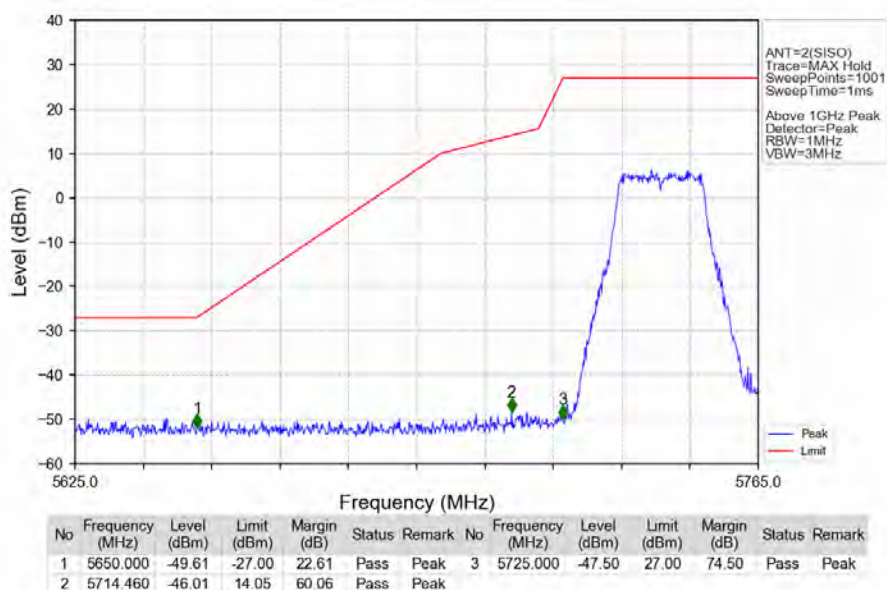
802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



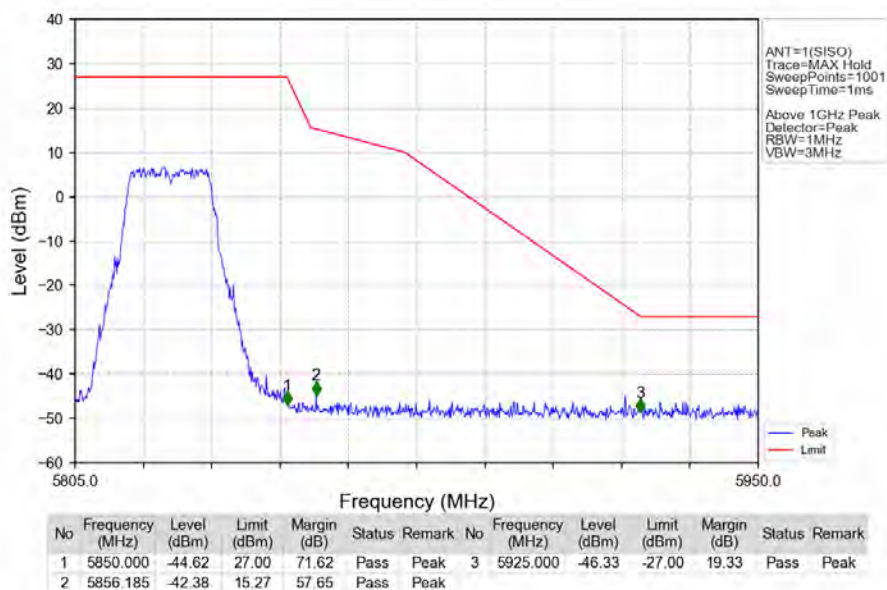
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



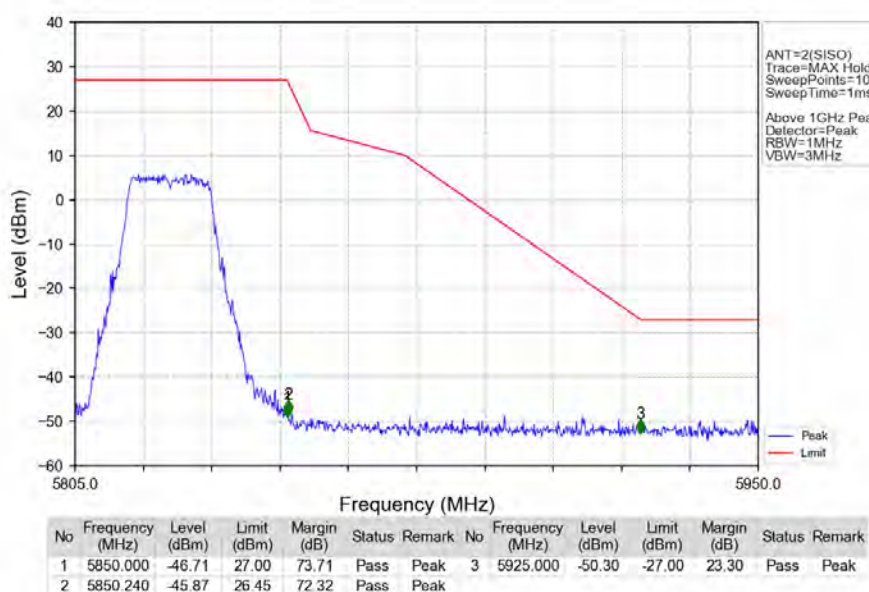
802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



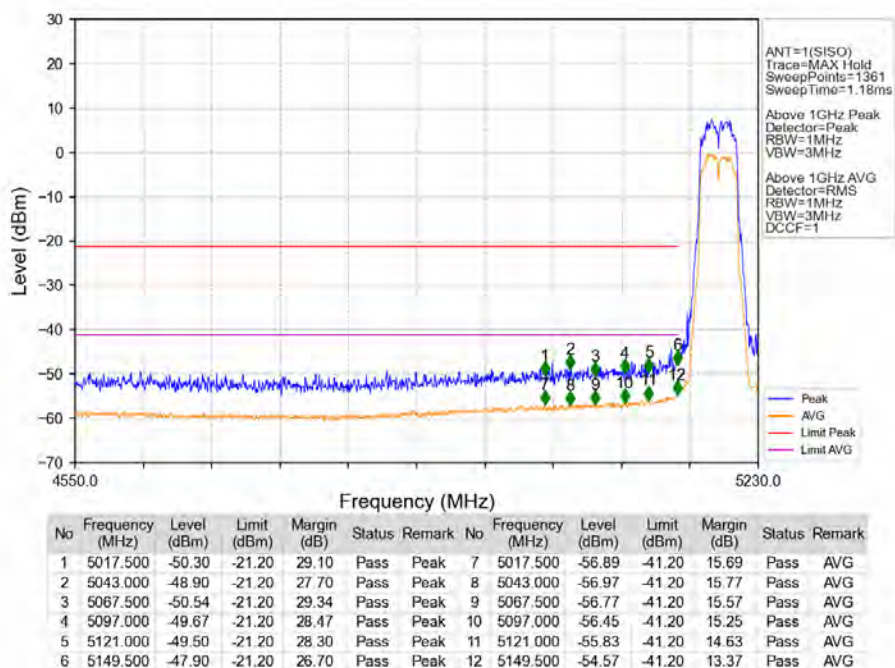
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



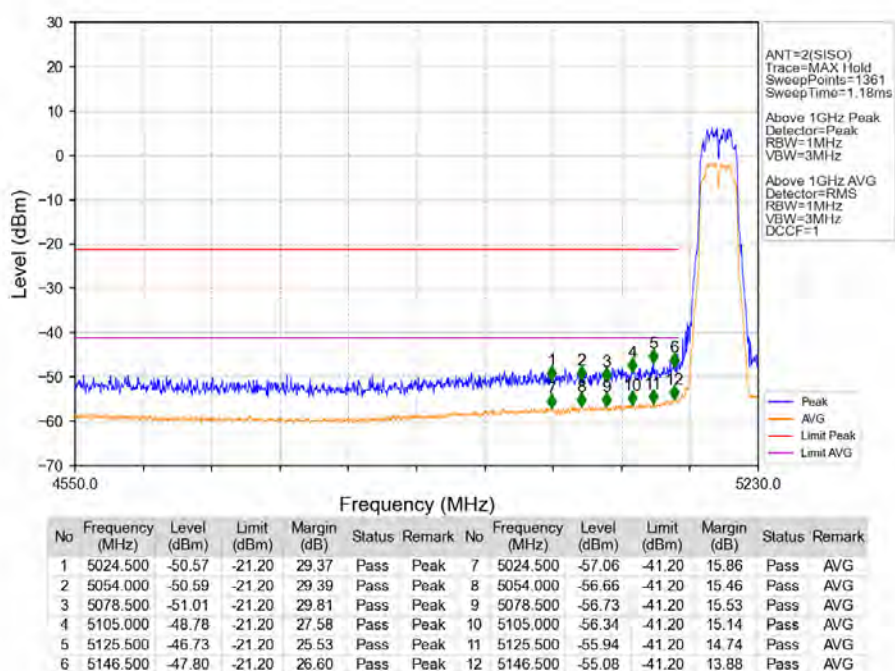
802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



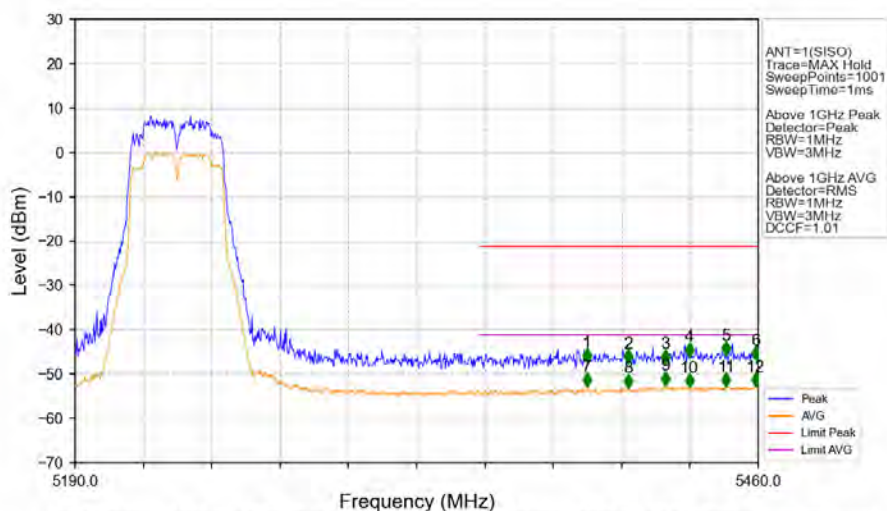
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant2_NTNV

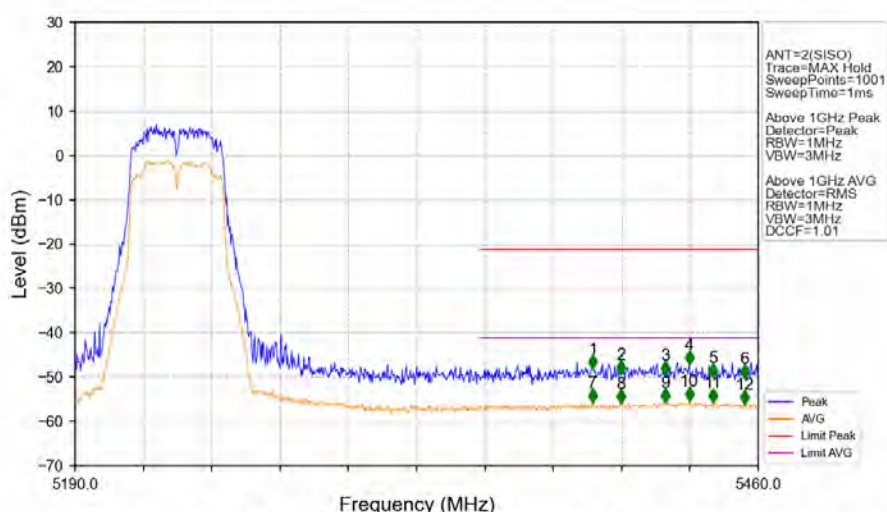


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



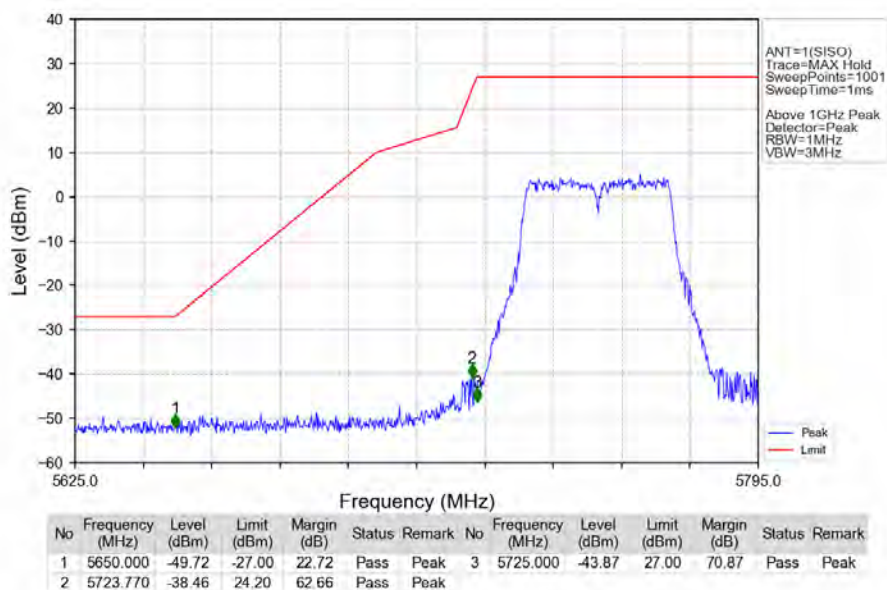
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5392.230	-47.37	-21.20	26.17	Pass	Peak	7	5392.230	-52.86	-41.20	11.66	Pass	AVG
2	5408.700	-47.62	-21.20	26.42	Pass	Peak	8	5408.700	-53.10	-41.20	11.90	Pass	AVG
3	5423.280	-47.63	-21.20	26.43	Pass	Peak	9	5423.280	-52.55	-41.20	11.35	Pass	AVG
4	5432.730	-45.99	-21.20	24.79	Pass	Peak	10	5432.730	-52.95	-41.20	11.75	Pass	AVG
5	5447.310	-45.64	-21.20	24.44	Pass	Peak	11	5447.310	-52.77	-41.20	11.57	Pass	AVG
6	5458.920	-46.81	-21.20	25.61	Pass	Peak	12	5458.920	-52.86	-41.20	11.66	Pass	AVG

802.11n(HT40)_HCH_5230MHz_Ant2_NTNV

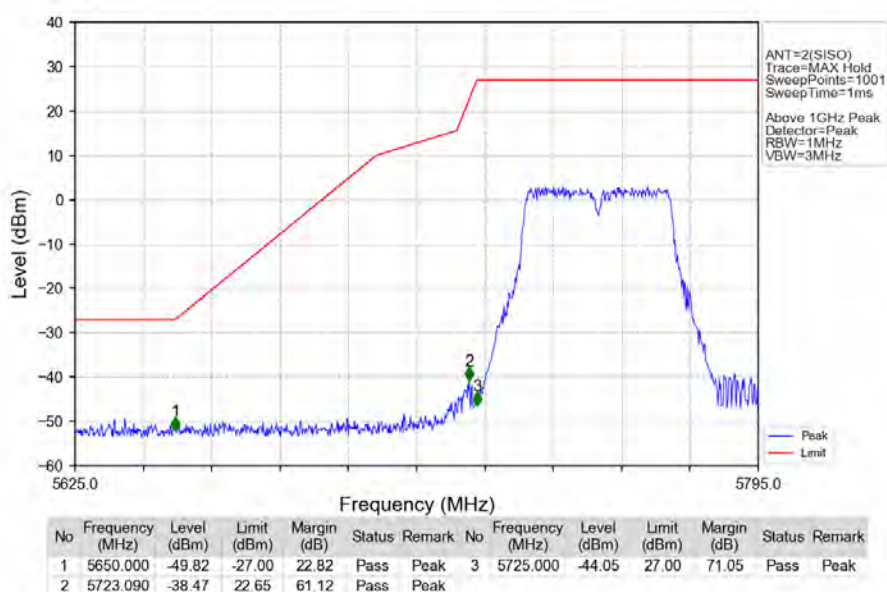


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5394.660	-48.02	-21.20	26.82	Pass	Peak	7	5394.660	-55.72	-41.20	14.52	Pass	AVG
2	5405.730	-49.44	-21.20	28.24	Pass	Peak	8	5405.730	-55.83	-41.20	14.63	Pass	AVG
3	5423.280	-49.59	-21.20	28.39	Pass	Peak	9	5423.280	-55.66	-41.20	14.46	Pass	AVG
4	5432.730	-47.24	-21.20	26.04	Pass	Peak	10	5432.730	-55.33	-41.20	14.13	Pass	AVG
5	5442.180	-50.09	-21.20	28.89	Pass	Peak	11	5442.180	-55.80	-41.20	14.60	Pass	AVG
6	5454.600	-50.20	-21.20	29.00	Pass	Peak	12	5454.600	-56.02	-41.20	14.82	Pass	AVG

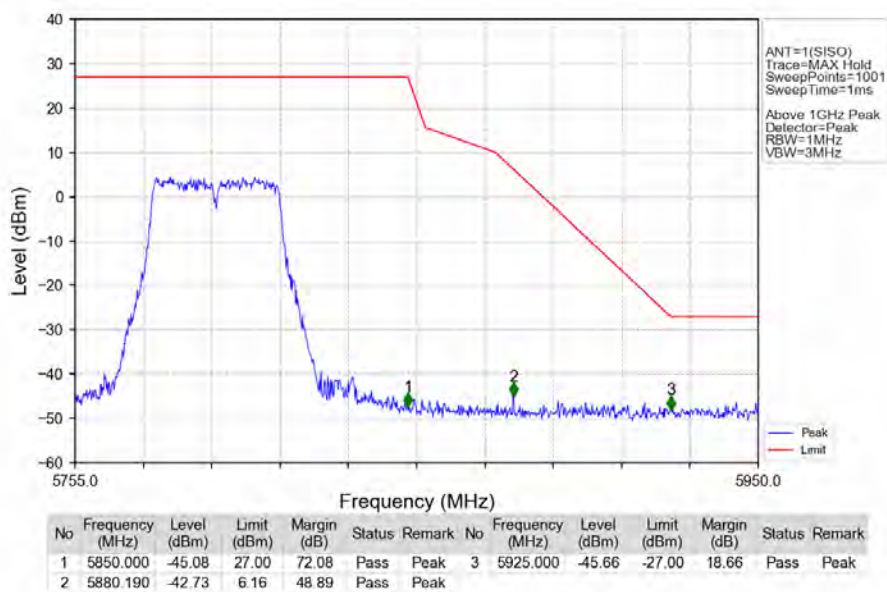
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



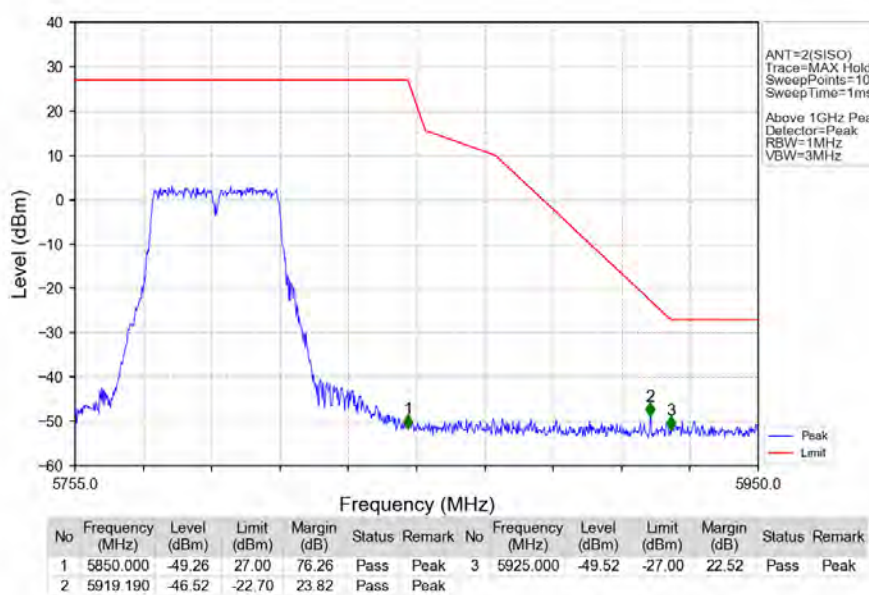
802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



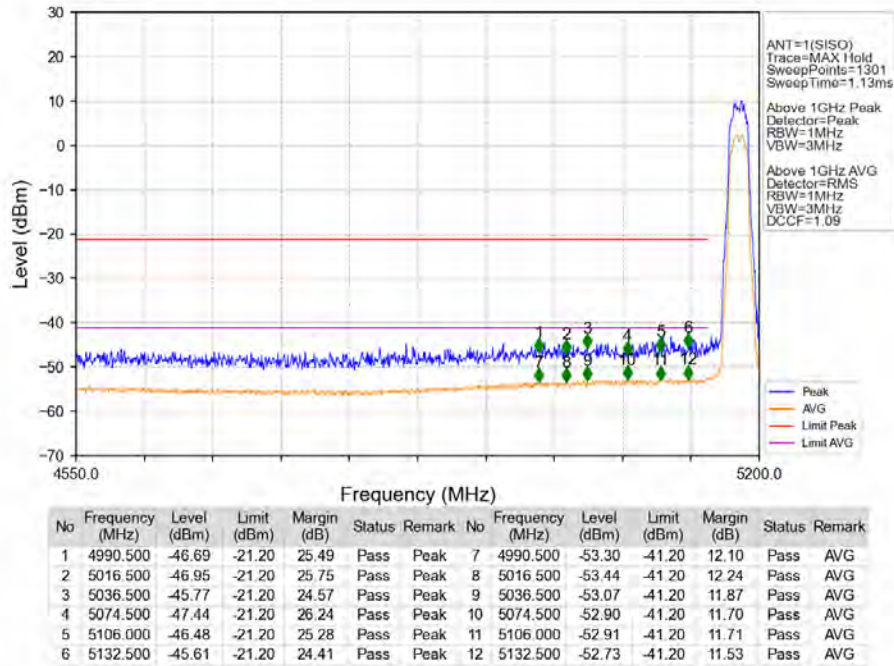
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



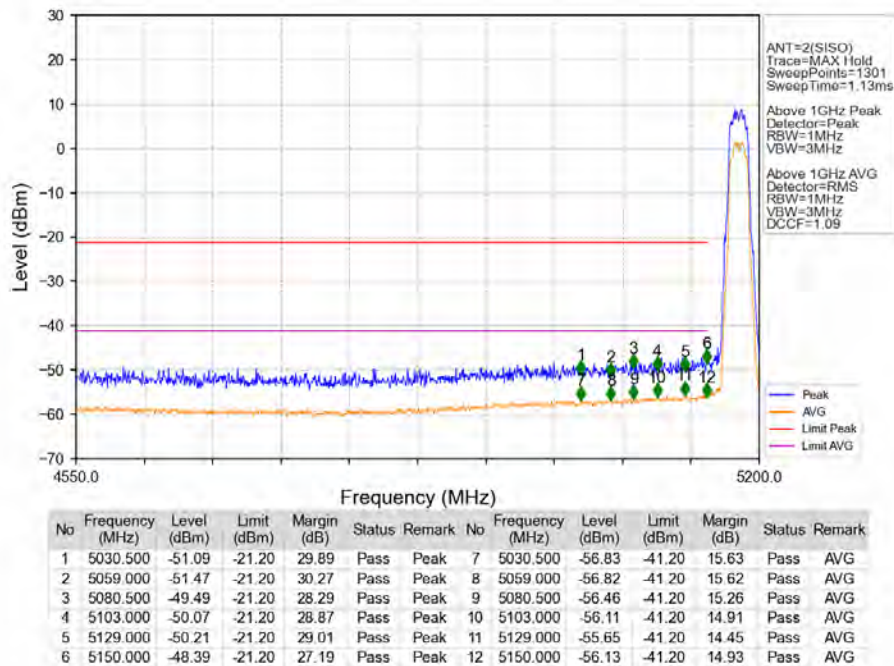
802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



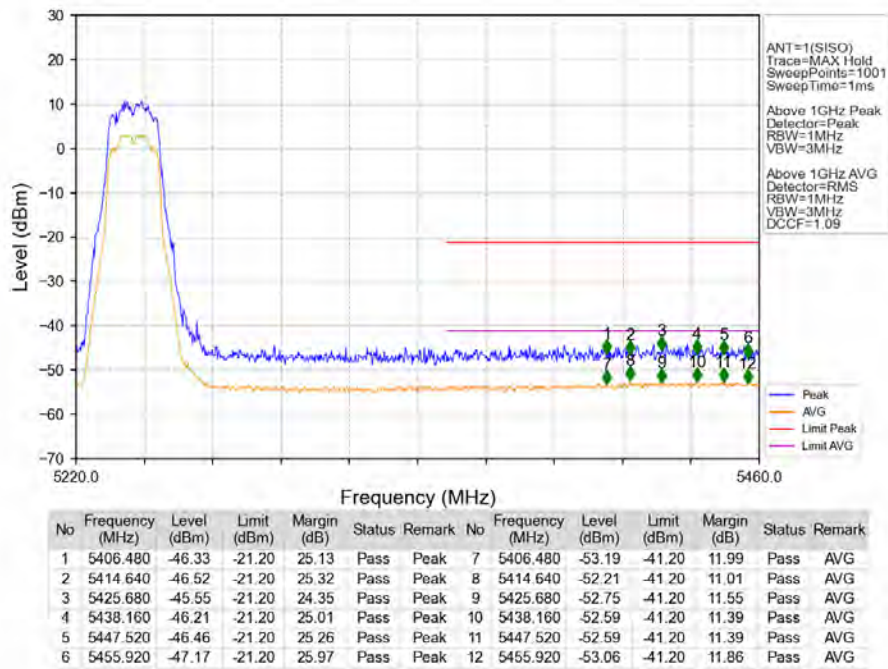
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



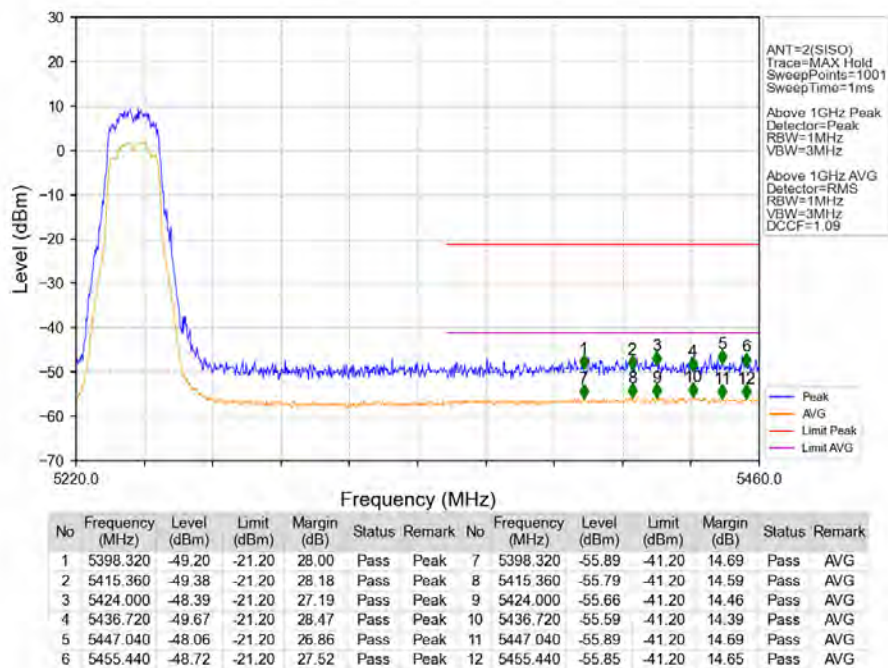
802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV



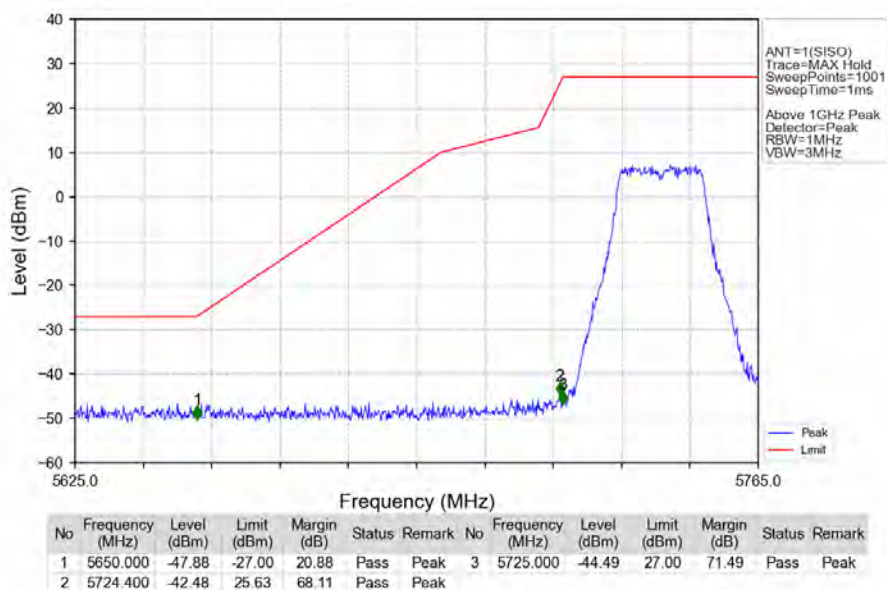
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



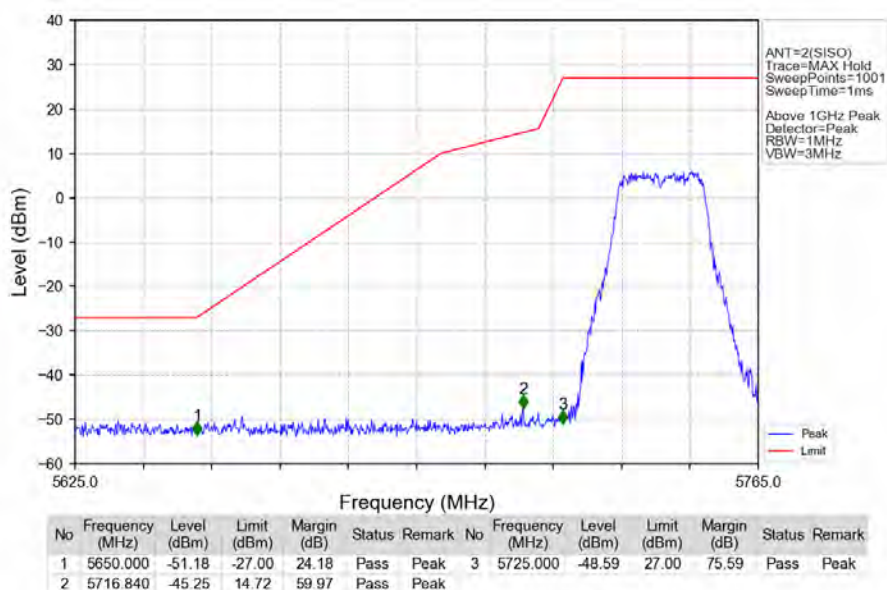
802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



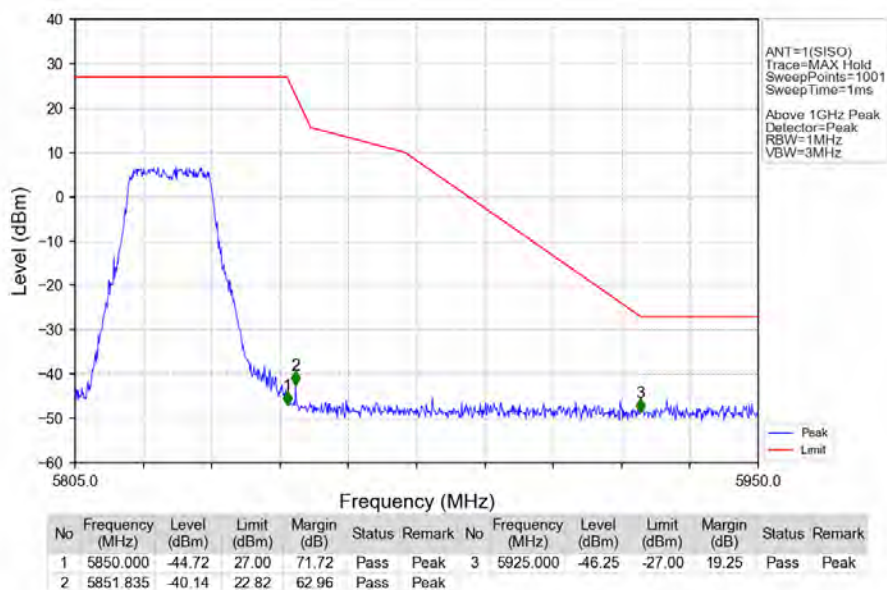
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



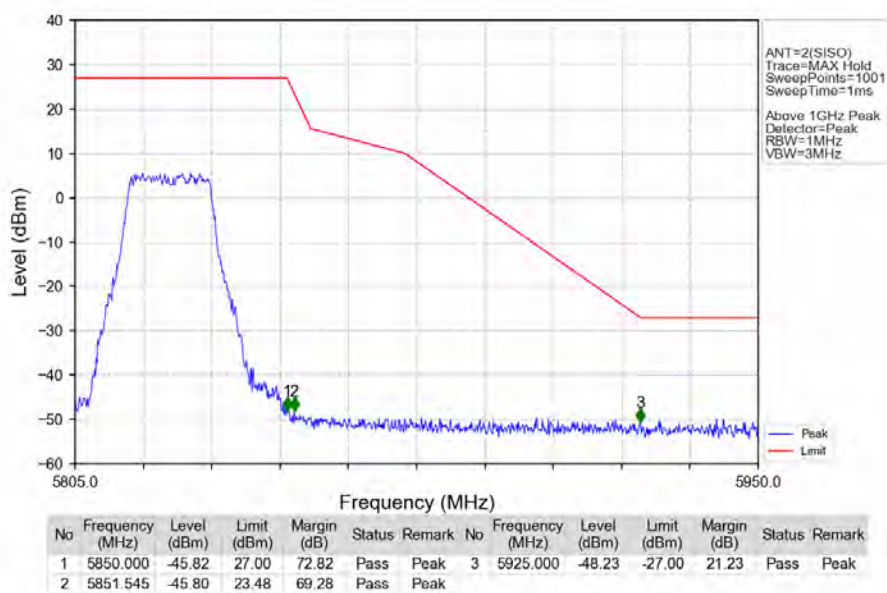
802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV



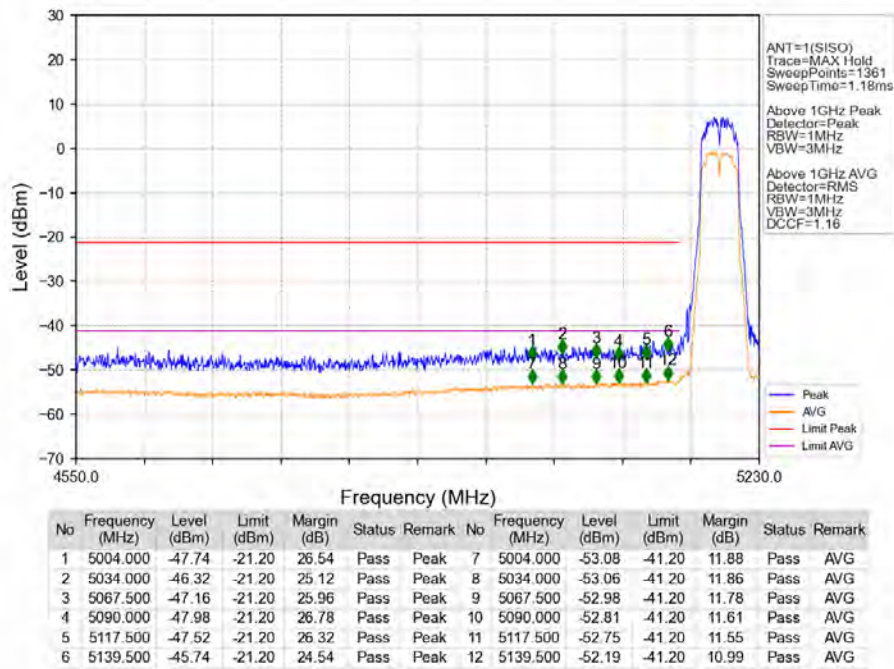
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



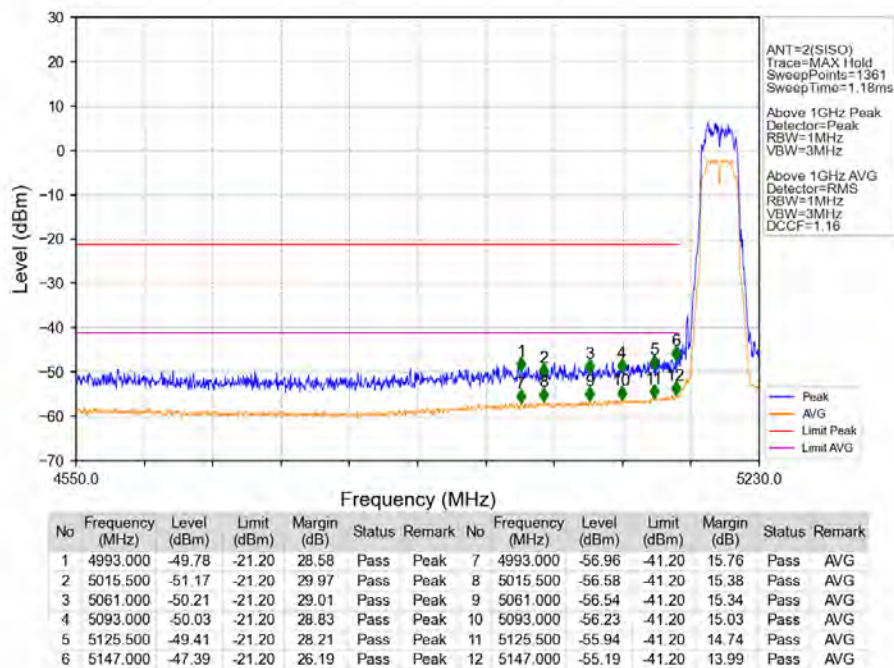
802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



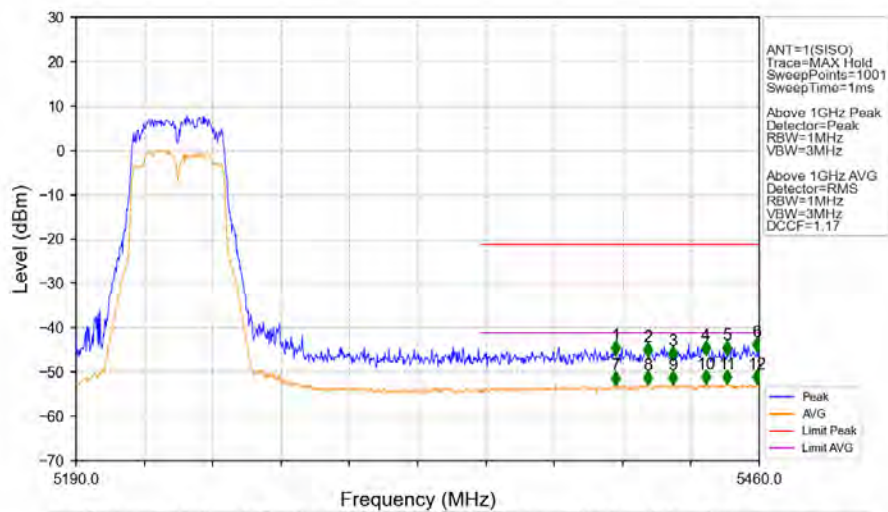
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV

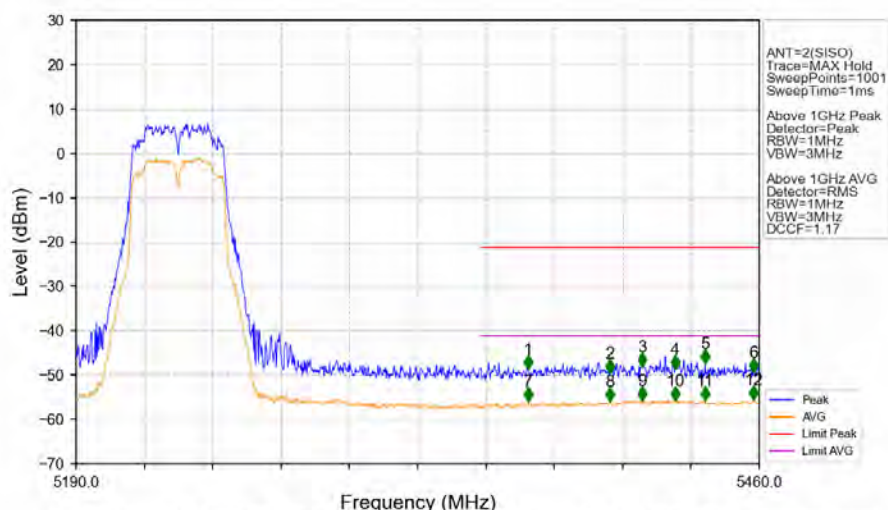


802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



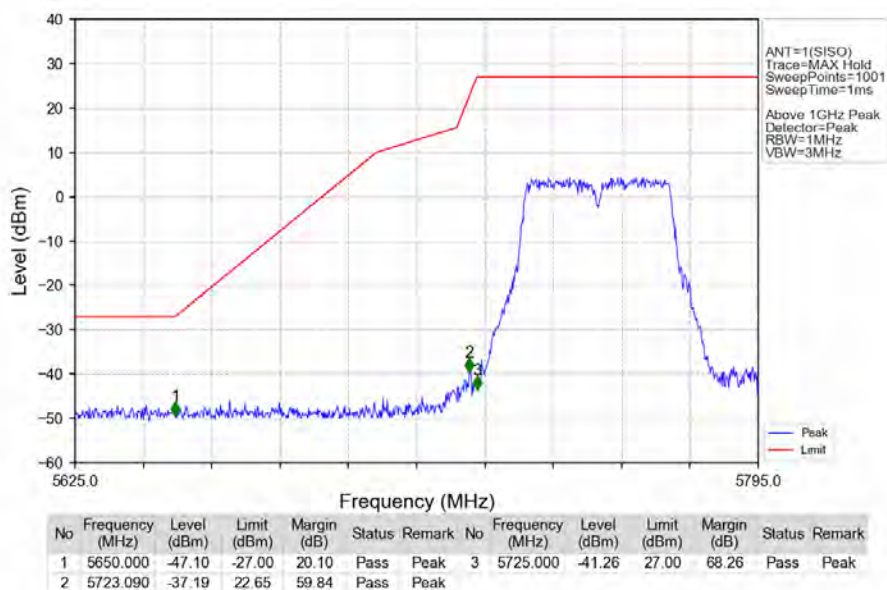
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5403.300	-46.11	-21.20	24.91	Pass	Peak	7	5403.300	-52.91	-41.20	11.71	Pass	AVG
2	5415.990	-46.47	-21.20	25.27	Pass	Peak	8	5415.990	-52.79	-41.20	11.59	Pass	AVG
3	5425.710	-47.43	-21.20	26.23	Pass	Peak	9	5425.710	-52.75	-41.20	11.55	Pass	AVG
4	5438.940	-46.00	-21.20	24.80	Pass	Peak	10	5438.940	-52.59	-41.20	11.39	Pass	AVG
5	5447.310	-46.03	-21.20	24.83	Pass	Peak	11	5447.310	-52.69	-41.20	11.49	Pass	AVG
6	5459.190	-45.27	-21.20	24.07	Pass	Peak	12	5459.190	-52.70	-41.20	11.50	Pass	AVG

802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV

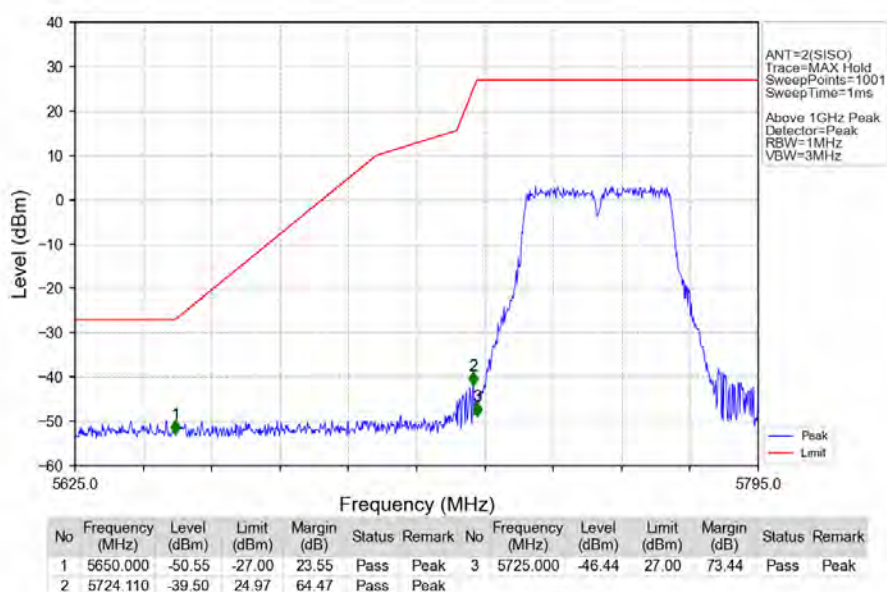


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5368.740	-48.66	-21.20	27.46	Pass	Peak	7	5368.740	-55.91	-41.20	14.71	Pass	AVG
2	5400.870	-49.53	-21.20	28.33	Pass	Peak	8	5400.870	-55.96	-41.20	14.76	Pass	AVG
3	5413.830	-48.17	-21.20	26.97	Pass	Peak	9	5413.830	-55.75	-41.20	14.55	Pass	AVG
4	5426.790	-48.60	-21.20	27.40	Pass	Peak	10	5426.790	-55.67	-41.20	14.47	Pass	AVG
5	5438.670	-47.30	-21.20	26.10	Pass	Peak	11	5438.670	-55.79	-41.20	14.59	Pass	AVG
6	5457.840	-49.30	-21.20	28.10	Pass	Peak	12	5457.840	-55.63	-41.20	14.43	Pass	AVG

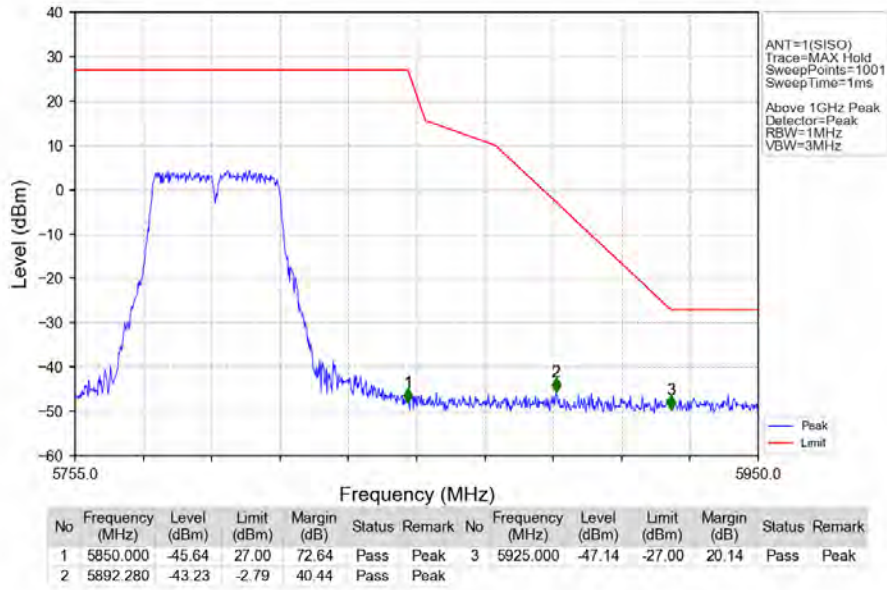
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



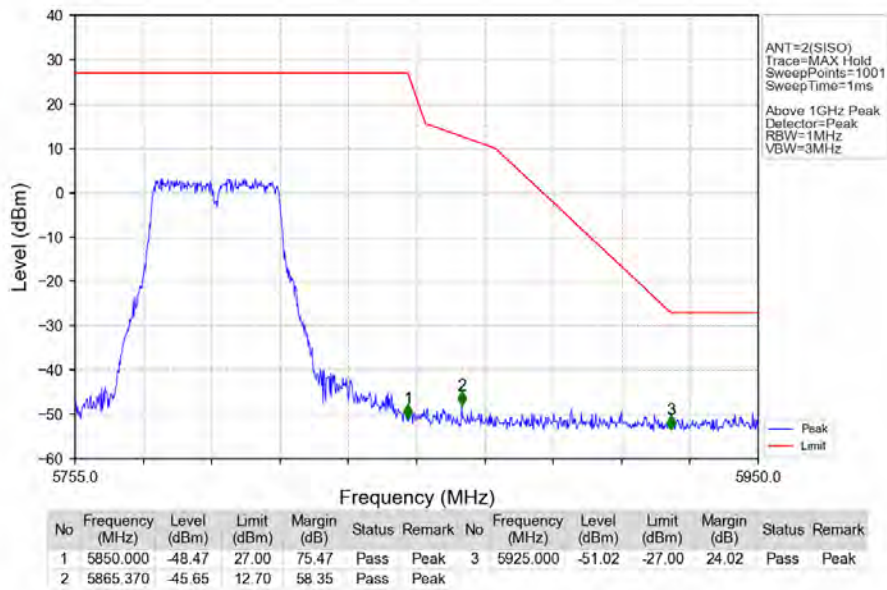
802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



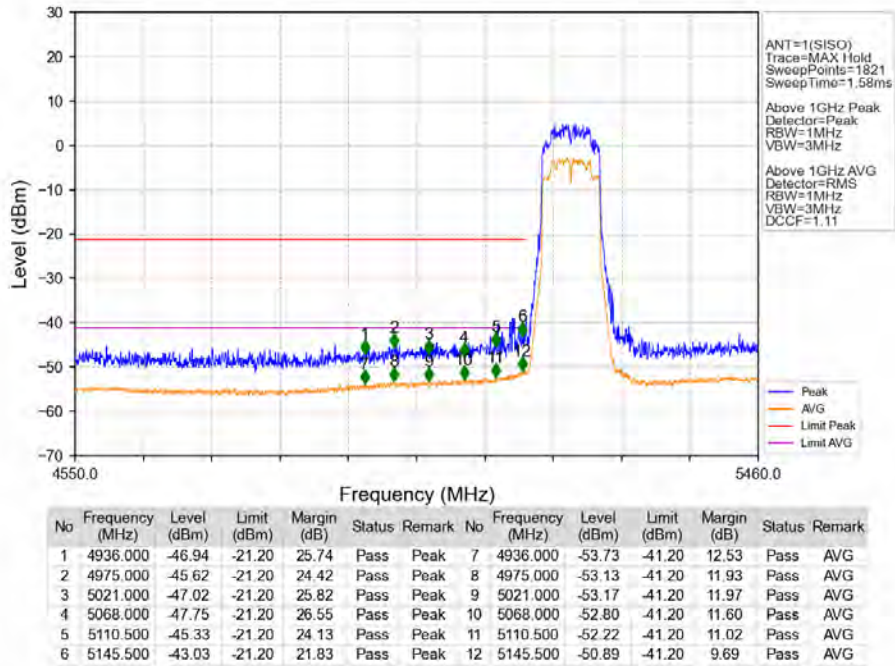
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



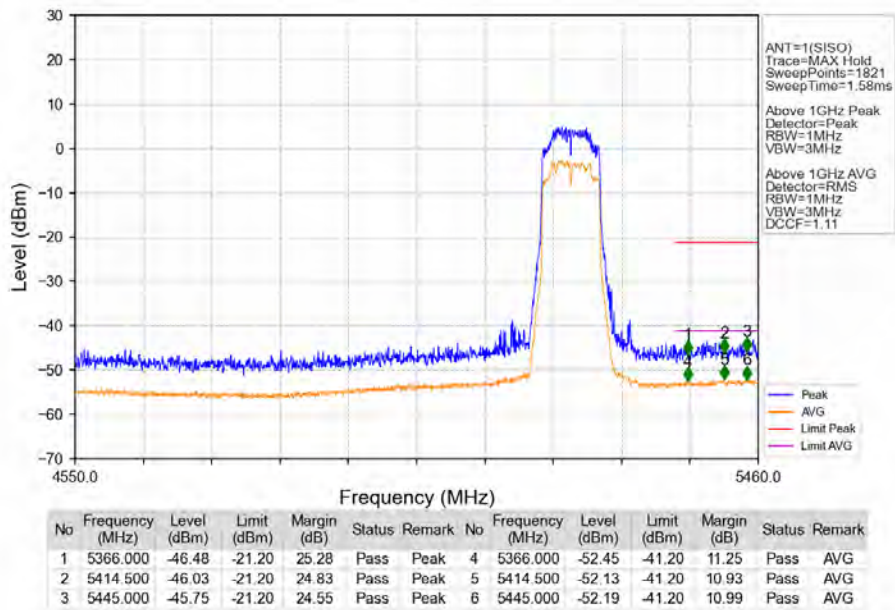
802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



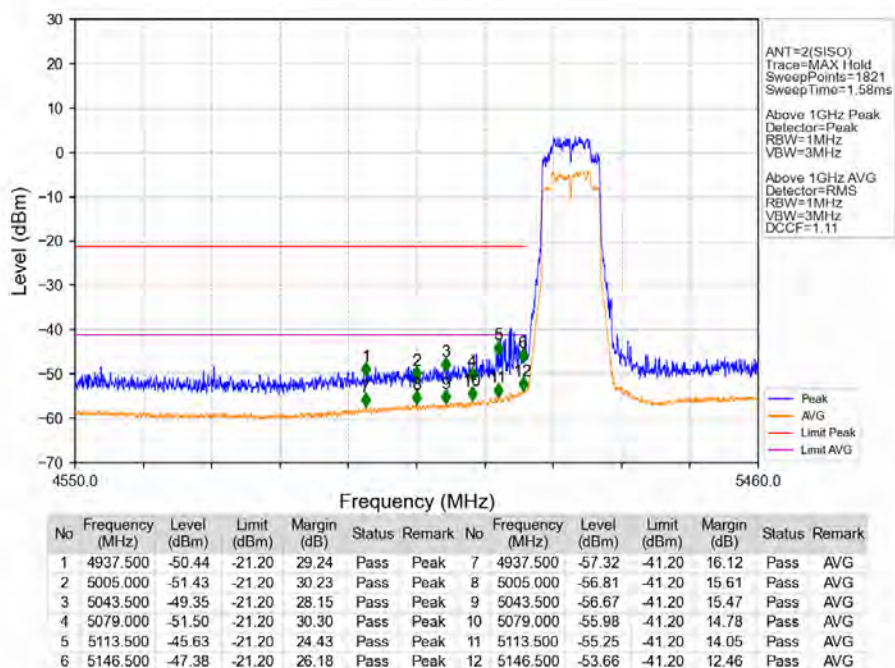
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



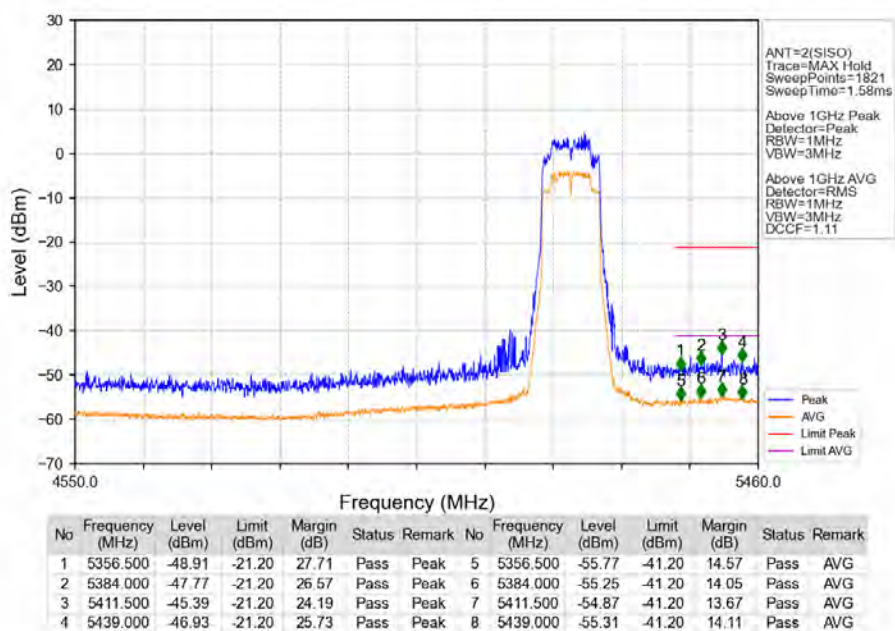
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



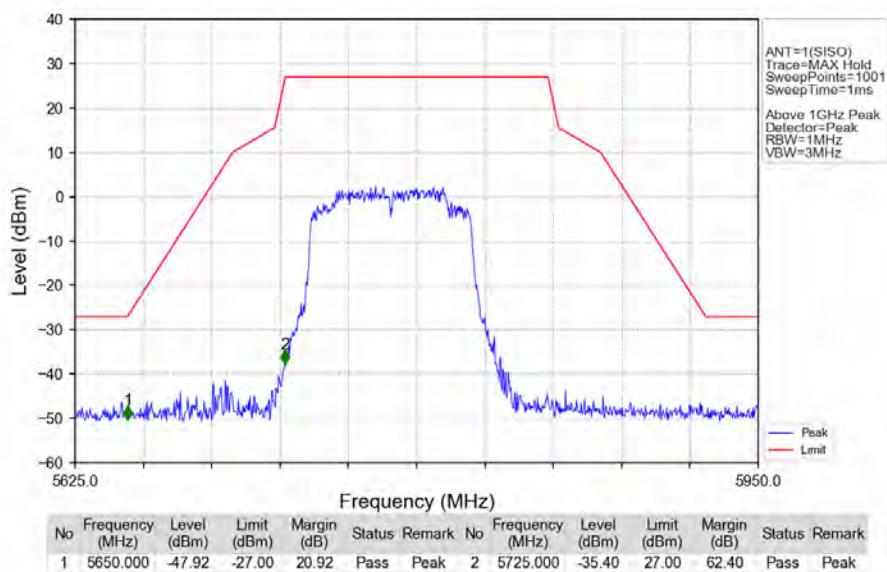
802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



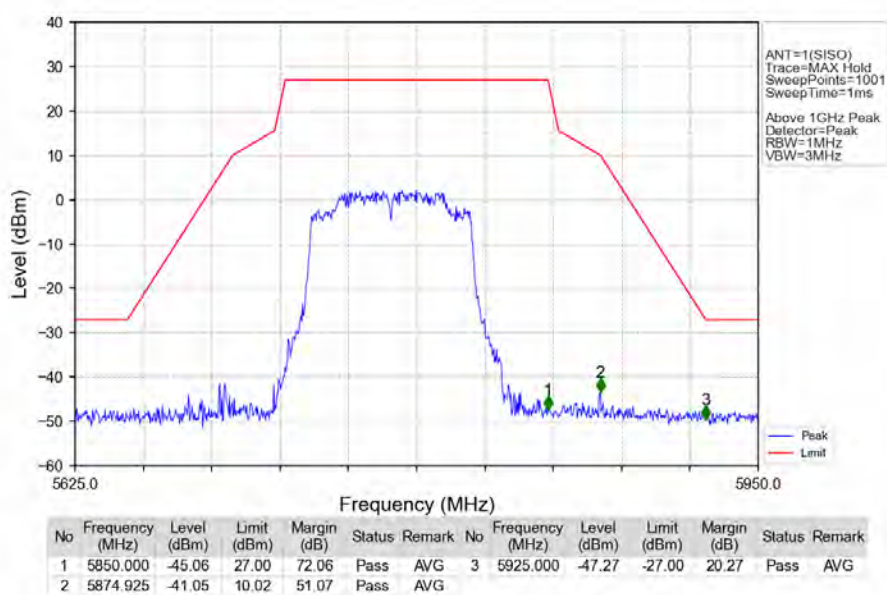
802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



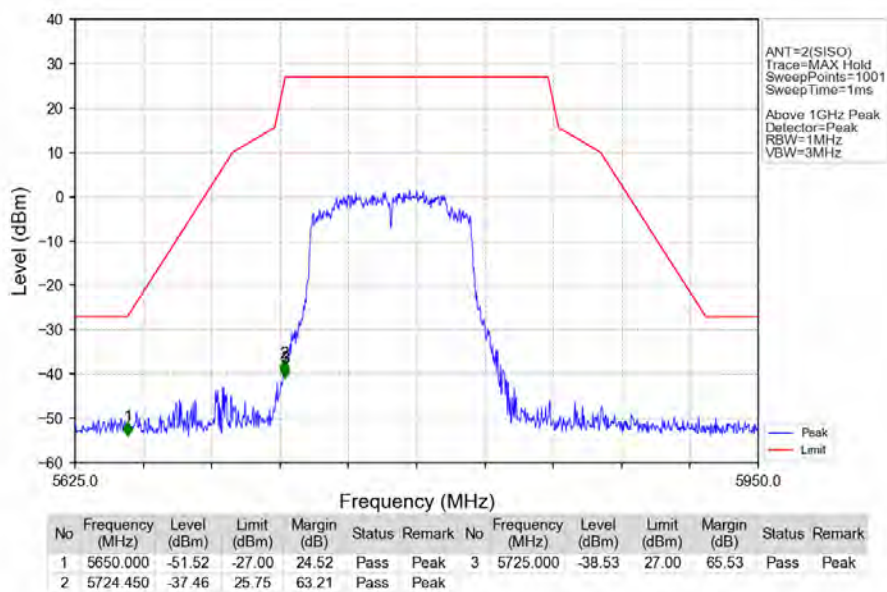
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



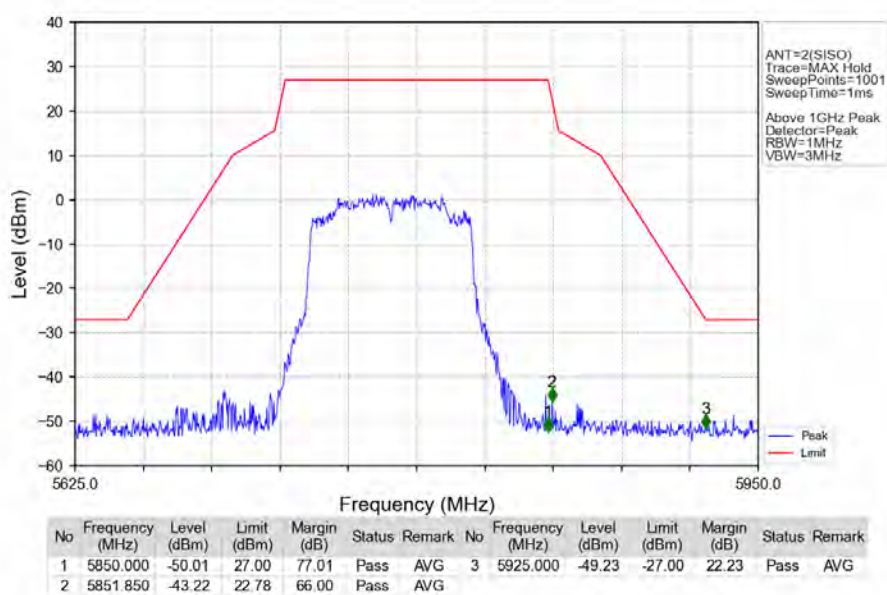
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



6. Frequency Stability

6.1 Test Result

6.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5180	20	LV	5179.998	5150 to 5250	Pass
				NV	5179.998	5150 to 5250	Pass
				HV	5179.998	5150 to 5250	Pass
			-30	NV	5179.999	5150 to 5250	Pass
			-20	NV	5179.999	5150 to 5250	Pass
			-10	NV	5179.999	5150 to 5250	Pass
			0	NV	5179.999	5150 to 5250	Pass
			10	NV	5179.999	5150 to 5250	Pass
			30	NV	5179.999	5150 to 5250	Pass
			40	NV	5179.999	5150 to 5250	Pass
			50	NV	5179.996	5150 to 5250	Pass
		5200	20	LV	5199.998	5150 to 5250	Pass
				NV	5199.998	5150 to 5250	Pass
				HV	5199.999	5150 to 5250	Pass
			-30	NV	5199.999	5150 to 5250	Pass
			-20	NV	5199.999	5150 to 5250	Pass
			-10	NV	5199.999	5150 to 5250	Pass
			0	NV	5199.999	5150 to 5250	Pass
			10	NV	5199.999	5150 to 5250	Pass
			30	NV	5199.999	5150 to 5250	Pass
			40	NV	5200.000	5150 to 5250	Pass
			50	NV	5200.000	5150 to 5250	Pass
		5240	20	LV	5239.999	5150 to 5250	Pass
				NV	5240.000	5150 to 5250	Pass
				HV	5240.000	5150 to 5250	Pass
			-30	NV	5240.000	5150 to 5250	Pass
			-20	NV	5240.000	5150 to 5250	Pass
			-10	NV	5240.001	5150 to 5250	Pass

			0	NV	5240.001	5150 to 5250	Pass
			10	NV	5240.001	5150 to 5250	Pass
			30	NV	5240.001	5150 to 5250	Pass
			40	NV	5240.001	5150 to 5250	Pass
			50	NV	5240.001	5150 to 5250	Pass
		5745	20	LV	5744.996	5725 to 5850	Pass
				NV	5744.997	5725 to 5850	Pass
				HV	5744.998	5725 to 5850	Pass
			-30	NV	5744.999	5725 to 5850	Pass
			-20	NV	5745.000	5725 to 5850	Pass
			-10	NV	5745.000	5725 to 5850	Pass
			0	NV	5745.000	5725 to 5850	Pass
			10	NV	5745.000	5725 to 5850	Pass
			30	NV	5745.001	5725 to 5850	Pass
			40	NV	5745.001	5725 to 5850	Pass
			50	NV	5745.001	5725 to 5850	Pass
		5785	20	LV	5784.998	5725 to 5850	Pass
				NV	5785.000	5725 to 5850	Pass
				HV	5785.000	5725 to 5850	Pass
			-30	NV	5785.001	5725 to 5850	Pass
			-20	NV	5785.001	5725 to 5850	Pass
			-10	NV	5785.001	5725 to 5850	Pass
			0	NV	5785.001	5725 to 5850	Pass
			10	NV	5785.001	5725 to 5850	Pass
			30	NV	5785.000	5725 to 5850	Pass
			40	NV	5784.999	5725 to 5850	Pass
			50	NV	5785.001	5725 to 5850	Pass
		5825	20	LV	5824.998	5725 to 5850	Pass
				NV	5825.000	5725 to 5850	Pass
				HV	5825.001	5725 to 5850	Pass
			-30	NV	5825.001	5725 to 5850	Pass
			-20	NV	5825.001	5725 to 5850	Pass
			-10	NV	5825.001	5725 to 5850	Pass
			0	NV	5825.002	5725 to 5850	Pass
			10	NV	5825.002	5725 to 5850	Pass
			30	NV	5825.002	5725 to 5850	Pass
			40	NV	5825.002	5725 to 5850	Pass

			50	NV	5825.002	5725 to 5850	Pass
		5190	20	LV	5189.999	5150 to 5250	Pass
				NV	5189.999	5150 to 5250	Pass
				HV	5189.999	5150 to 5250	Pass
			-30	NV	5189.999	5150 to 5250	Pass
			-20	NV	5190.000	5150 to 5250	Pass
			-10	NV	5190.000	5150 to 5250	Pass
			0	NV	5190.000	5150 to 5250	Pass
			10	NV	5190.000	5150 to 5250	Pass
			30	NV	5190.000	5150 to 5250	Pass
			40	NV	5190.000	5150 to 5250	Pass
			50	NV	5190.000	5150 to 5250	Pass
		5230	20	LV	5229.999	5150 to 5250	Pass
				NV	5230.000	5150 to 5250	Pass
				HV	5230.000	5150 to 5250	Pass
			-30	NV	5230.001	5150 to 5250	Pass
			-20	NV	5230.001	5150 to 5250	Pass
			-10	NV	5230.001	5150 to 5250	Pass
			0	NV	5230.001	5150 to 5250	Pass
			10	NV	5230.001	5150 to 5250	Pass
			30	NV	5230.001	5150 to 5250	Pass
			40	NV	5230.001	5150 to 5250	Pass
			50	NV	5230.001	5150 to 5250	Pass
		5755	20	LV	5754.997	5725 to 5850	Pass
				NV	5754.998	5725 to 5850	Pass
				HV	5754.999	5725 to 5850	Pass
			-30	NV	5754.999	5725 to 5850	Pass
			-20	NV	5755.000	5725 to 5850	Pass
			-10	NV	5755.000	5725 to 5850	Pass
			0	NV	5755.001	5725 to 5850	Pass
			10	NV	5755.001	5725 to 5850	Pass
			30	NV	5755.001	5725 to 5850	Pass
			40	NV	5755.002	5725 to 5850	Pass
			50	NV	5755.002	5725 to 5850	Pass
		5795	20	LV	5794.999	5725 to 5850	Pass
				NV	5795.000	5725 to 5850	Pass
				HV	5795.001	5725 to 5850	Pass

			-30	NV	5795.001	5725 to 5850	Pass
			-20	NV	5795.001	5725 to 5850	Pass
			-10	NV	5795.001	5725 to 5850	Pass
			0	NV	5795.002	5725 to 5850	Pass
			10	NV	5795.002	5725 to 5850	Pass
			30	NV	5795.002	5725 to 5850	Pass
			40	NV	5795.002	5725 to 5850	Pass
			50	NV	5795.002	5725 to 5850	Pass
		5210	20	LV	5209.999	5150 to 5250	Pass
				NV	5209.999	5150 to 5250	Pass
				HV	5210.000	5150 to 5250	Pass
			-30	NV	5210.000	5150 to 5250	Pass
			-20	NV	5210.001	5150 to 5250	Pass
			-10	NV	5210.001	5150 to 5250	Pass
			0	NV	5210.001	5150 to 5250	Pass
			10	NV	5210.001	5150 to 5250	Pass
			30	NV	5210.001	5150 to 5250	Pass
			40	NV	5210.001	5150 to 5250	Pass
			50	NV	5210.001	5150 to 5250	Pass
		5775	20	LV	5774.998	5725 to 5850	Pass
				NV	5774.999	5725 to 5850	Pass
				HV	5775.000	5725 to 5850	Pass
			-30	NV	5775.000	5725 to 5850	Pass
			-20	NV	5775.001	5725 to 5850	Pass
			-10	NV	5775.001	5725 to 5850	Pass
			0	NV	5775.001	5725 to 5850	Pass
			10	NV	5775.001	5725 to 5850	Pass
			30	NV	5775.002	5725 to 5850	Pass
			40	NV	5775.002	5725 to 5850	Pass
			50	NV	5775.002	5725 to 5850	Pass

6.1.2 Ant2

Ant2							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5180	20	LV	5179.995	5150 to 5250	Pass
				NV	5179.995	5150 to 5250	Pass
				HV	5179.995	5150 to 5250	Pass
			-30	NV	5179.995	5150 to 5250	Pass
			-20	NV	5179.995	5150 to 5250	Pass
			-10	NV	5179.995	5150 to 5250	Pass
			0	NV	5179.995	5150 to 5250	Pass
			10	NV	5179.995	5150 to 5250	Pass
			30	NV	5179.995	5150 to 5250	Pass
			40	NV	5179.995	5150 to 5250	Pass
			50	NV	5179.995	5150 to 5250	Pass
		5200	20	LV	5199.995	5150 to 5250	Pass
				NV	5199.995	5150 to 5250	Pass
				HV	5199.995	5150 to 5250	Pass
			-30	NV	5199.995	5150 to 5250	Pass
			-20	NV	5199.995	5150 to 5250	Pass
			-10	NV	5199.995	5150 to 5250	Pass
			0	NV	5199.995	5150 to 5250	Pass
			10	NV	5199.995	5150 to 5250	Pass
			30	NV	5199.996	5150 to 5250	Pass
			40	NV	5199.996	5150 to 5250	Pass
			50	NV	5199.996	5150 to 5250	Pass
		5240	20	LV	5239.996	5150 to 5250	Pass
				NV	5239.996	5150 to 5250	Pass
				HV	5239.996	5150 to 5250	Pass
			-30	NV	5239.996	5150 to 5250	Pass
			-20	NV	5239.996	5150 to 5250	Pass
			-10	NV	5239.996	5150 to 5250	Pass
			0	NV	5239.996	5150 to 5250	Pass
			10	NV	5239.996	5150 to 5250	Pass
			30	NV	5239.996	5150 to 5250	Pass

			40	NV	5239.996	5150 to 5250	Pass
			50	NV	5239.996	5150 to 5250	Pass
		5745	20	LV	5744.993	5725 to 5850	Pass
				NV	5744.995	5725 to 5850	Pass
				HV	5744.995	5725 to 5850	Pass
			-30	NV	5744.996	5725 to 5850	Pass
			-20	NV	5744.996	5725 to 5850	Pass
			-10	NV	5744.996	5725 to 5850	Pass
			0	NV	5744.996	5725 to 5850	Pass
			10	NV	5744.997	5725 to 5850	Pass
			30	NV	5744.997	5725 to 5850	Pass
			40	NV	5744.997	5725 to 5850	Pass
			50	NV	5744.997	5725 to 5850	Pass
		5785	20	LV	5784.994	5725 to 5850	Pass
				NV	5784.996	5725 to 5850	Pass
				HV	5784.996	5725 to 5850	Pass
			-30	NV	5784.996	5725 to 5850	Pass
			-20	NV	5784.996	5725 to 5850	Pass
			-10	NV	5784.997	5725 to 5850	Pass
			0	NV	5784.997	5725 to 5850	Pass
			10	NV	5784.997	5725 to 5850	Pass
			30	NV	5784.997	5725 to 5850	Pass
			40	NV	5784.997	5725 to 5850	Pass
			50	NV	5784.997	5725 to 5850	Pass
		5825	20	LV	5824.994	5725 to 5850	Pass
				NV	5824.994	5725 to 5850	Pass
				HV	5824.995	5725 to 5850	Pass
			-30	NV	5824.996	5725 to 5850	Pass
			-20	NV	5824.996	5725 to 5850	Pass
			-10	NV	5824.996	5725 to 5850	Pass
			0	NV	5824.996	5725 to 5850	Pass
			10	NV	5824.996	5725 to 5850	Pass
			30	NV	5824.996	5725 to 5850	Pass
			40	NV	5824.996	5725 to 5850	Pass
			50	NV	5824.997	5725 to 5850	Pass
		5190	20	LV	5189.995	5150 to 5250	Pass
				NV	5189.995	5150 to 5250	Pass

				HV	5189.995	5150 to 5250	Pass
			-30	NV	5189.995	5150 to 5250	Pass
			-20	NV	5189.995	5150 to 5250	Pass
			-10	NV	5189.995	5150 to 5250	Pass
			0	NV	5189.995	5150 to 5250	Pass
			10	NV	5189.995	5150 to 5250	Pass
			30	NV	5189.995	5150 to 5250	Pass
			40	NV	5189.995	5150 to 5250	Pass
			50	NV	5189.995	5150 to 5250	Pass
		5230	20	LV	5229.996	5150 to 5250	Pass
				NV	5229.996	5150 to 5250	Pass
				HV	5229.996	5150 to 5250	Pass
			-30	NV	5229.996	5150 to 5250	Pass
			-20	NV	5229.996	5150 to 5250	Pass
			-10	NV	5229.996	5150 to 5250	Pass
			0	NV	5229.996	5150 to 5250	Pass
			10	NV	5229.996	5150 to 5250	Pass
			30	NV	5229.996	5150 to 5250	Pass
			40	NV	5229.997	5150 to 5250	Pass
			50	NV	5229.997	5150 to 5250	Pass
		5755	20	LV	5754.994	5725 to 5850	Pass
				NV	5754.996	5725 to 5850	Pass
				HV	5754.996	5725 to 5850	Pass
			-30	NV	5754.996	5725 to 5850	Pass
			-20	NV	5754.997	5725 to 5850	Pass
			-10	NV	5754.997	5725 to 5850	Pass
			0	NV	5754.997	5725 to 5850	Pass
			10	NV	5754.997	5725 to 5850	Pass
			30	NV	5754.997	5725 to 5850	Pass
			40	NV	5754.997	5725 to 5850	Pass
			50	NV	5754.998	5725 to 5850	Pass
		5795	20	LV	5794.996	5725 to 5850	Pass
				NV	5794.996	5725 to 5850	Pass
				HV	5794.997	5725 to 5850	Pass
			-30	NV	5794.997	5725 to 5850	Pass
			-20	NV	5794.997	5725 to 5850	Pass
			-10	NV	5794.997	5725 to 5850	Pass

			0	NV	5794.997	5725 to 5850	Pass
			10	NV	5794.997	5725 to 5850	Pass
			30	NV	5794.998	5725 to 5850	Pass
			40	NV	5794.998	5725 to 5850	Pass
			50	NV	5794.998	5725 to 5850	Pass
		5210	20	LV	5209.997	5150 to 5250	Pass
				NV	5209.997	5150 to 5250	Pass
				HV	5209.997	5150 to 5250	Pass
			-30	NV	5209.997	5150 to 5250	Pass
			-20	NV	5209.997	5150 to 5250	Pass
			-10	NV	5209.998	5150 to 5250	Pass
			0	NV	5209.997	5150 to 5250	Pass
			10	NV	5209.997	5150 to 5250	Pass
			30	NV	5209.998	5150 to 5250	Pass
			40	NV	5209.998	5150 to 5250	Pass
			50	NV	5209.997	5150 to 5250	Pass
		5775	20	LV	5774.994	5725 to 5850	Pass
				NV	5774.996	5725 to 5850	Pass
				HV	5774.996	5725 to 5850	Pass
			-30	NV	5774.997	5725 to 5850	Pass
			-20	NV	5774.997	5725 to 5850	Pass
			-10	NV	5774.997	5725 to 5850	Pass
			0	NV	5774.997	5725 to 5850	Pass
			10	NV	5774.997	5725 to 5850	Pass
			30	NV	5774.997	5725 to 5850	Pass
			40	NV	5774.998	5725 to 5850	Pass
			50	NV	5774.998	5725 to 5850	Pass

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