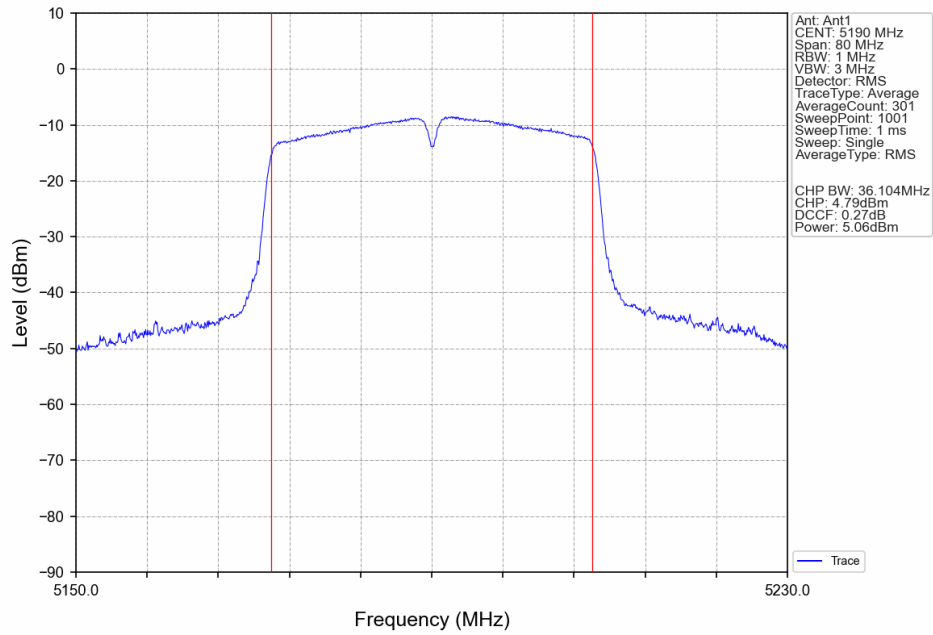
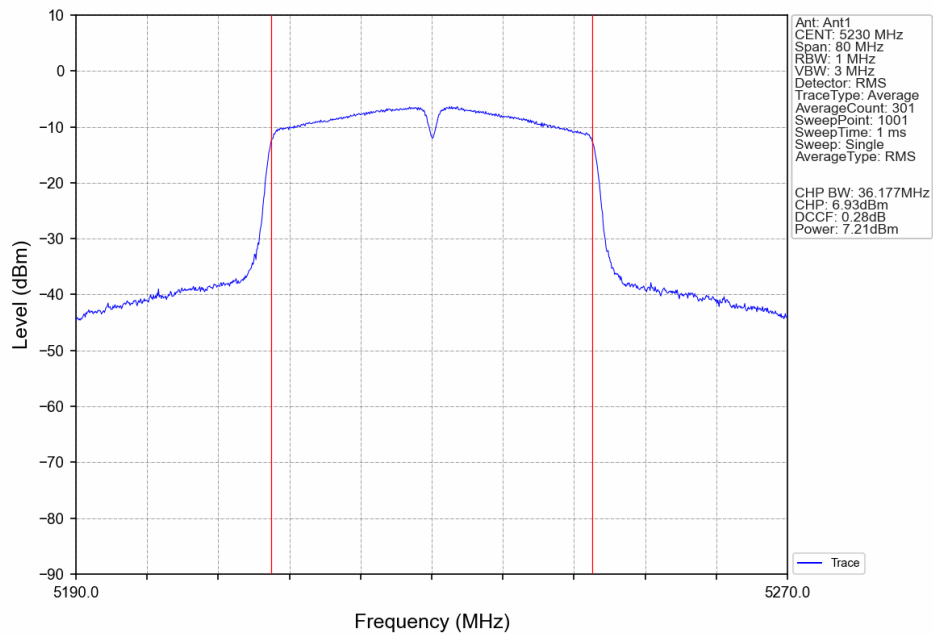


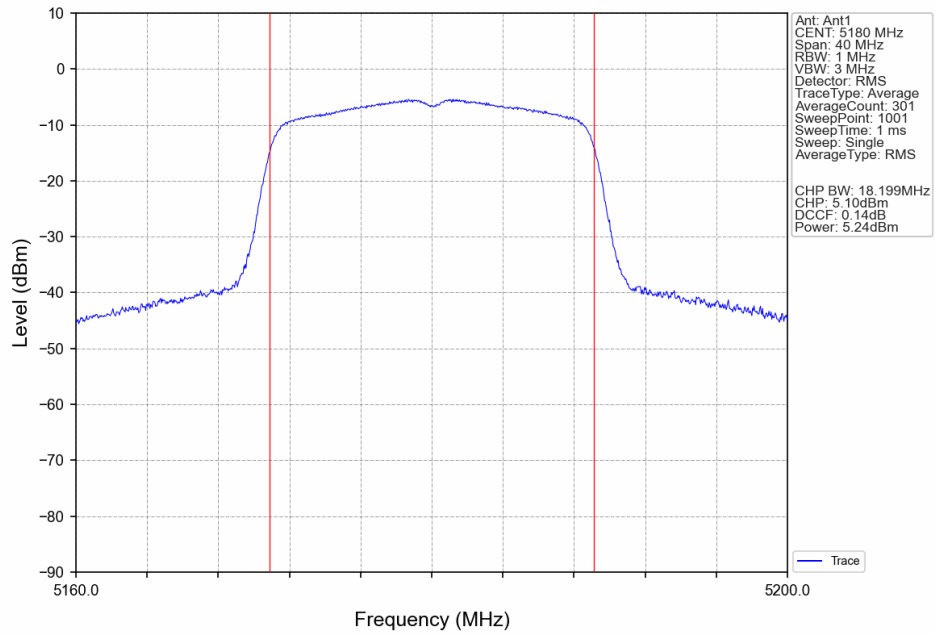
802.11n(HT40) LCH 5190MHz Ant1 NTN



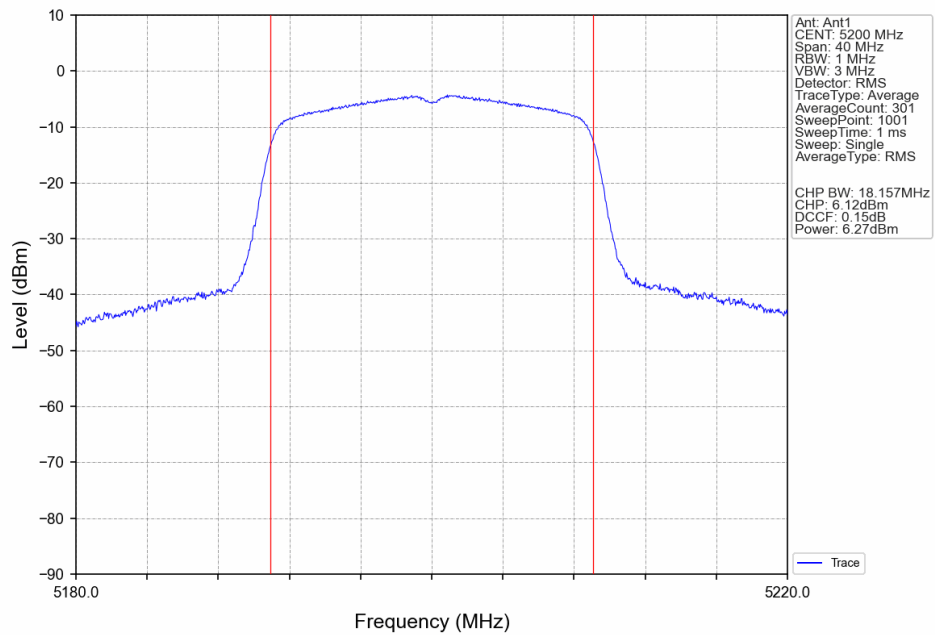
802.11n(HT40) HCH 5230MHz Ant1 NTN



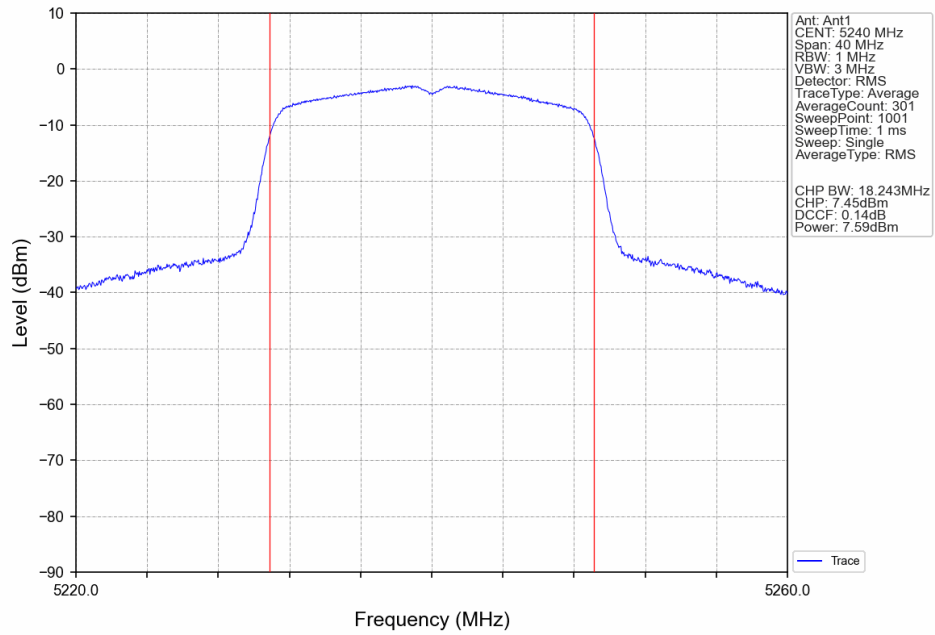
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



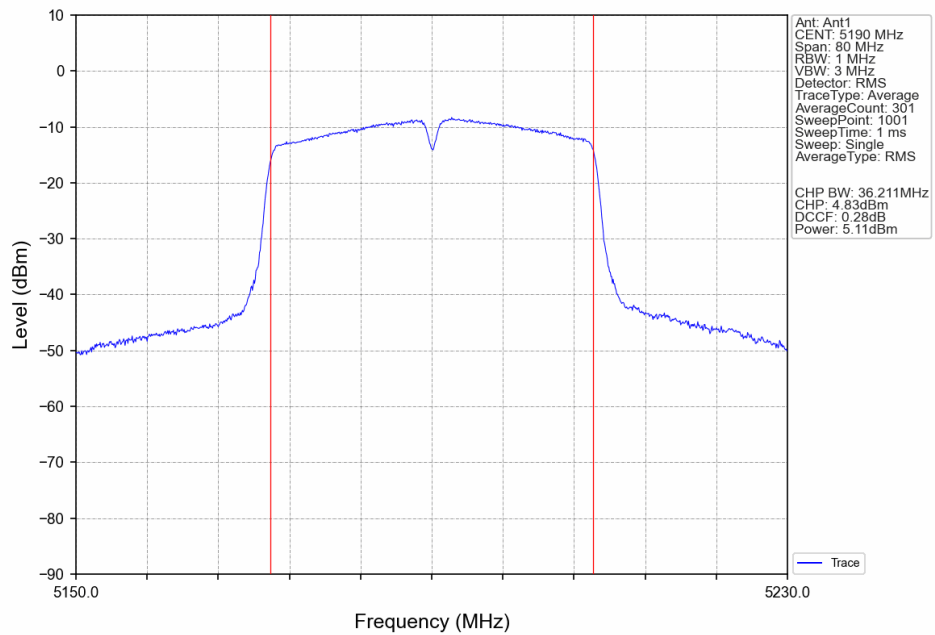
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



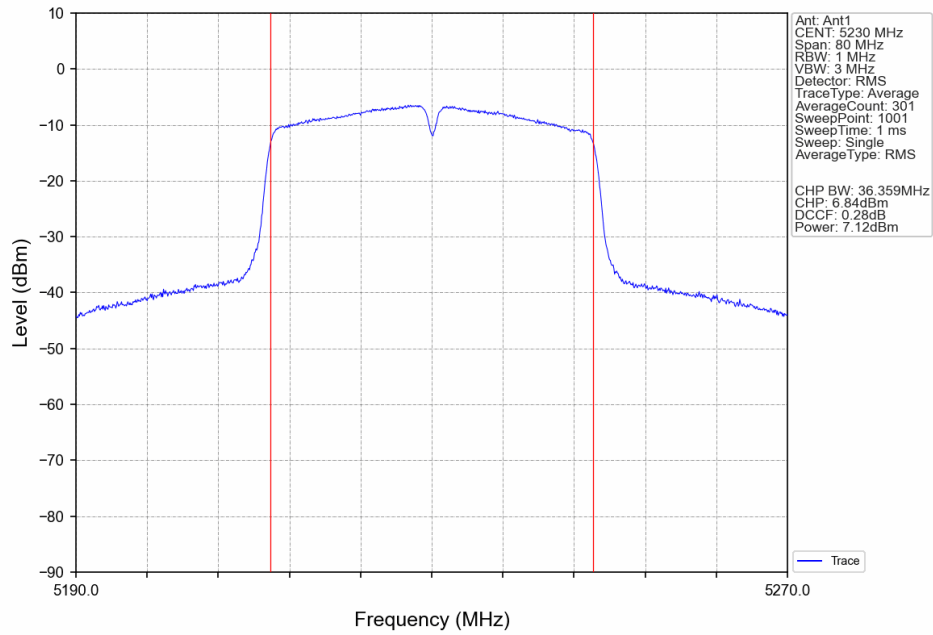
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



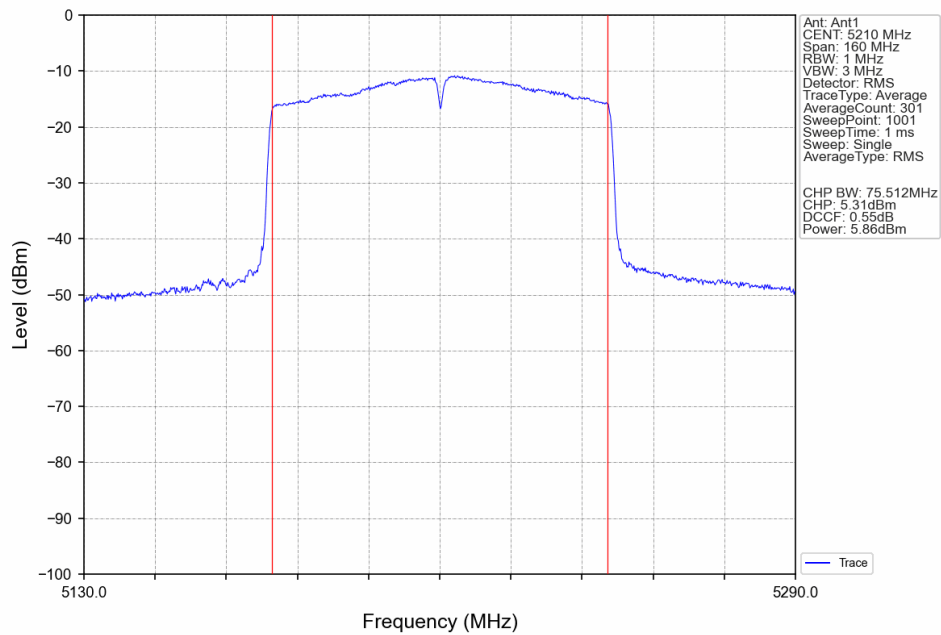
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



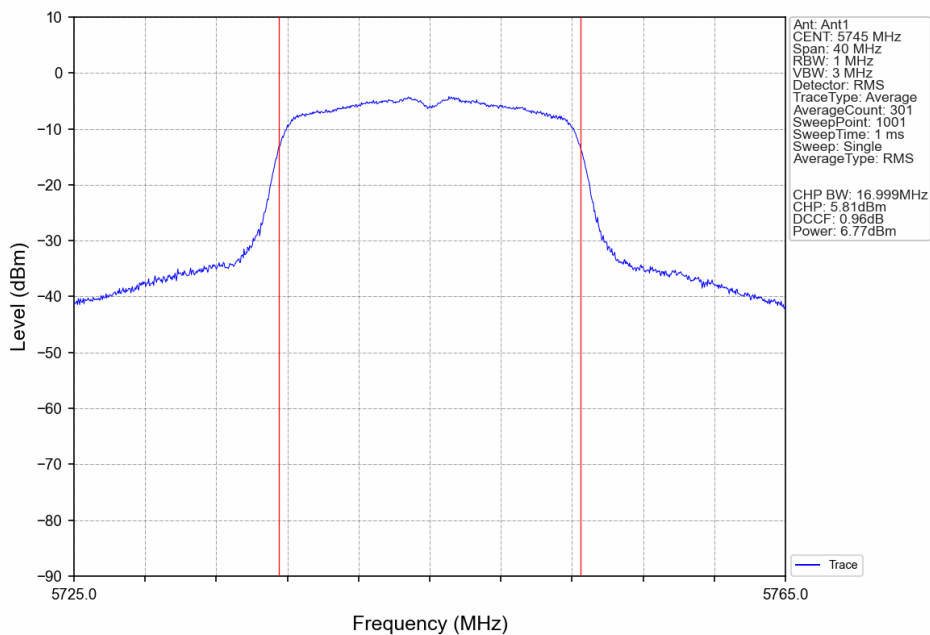
802.11ac(VHT40) HCH 5230MHz Ant1 NTV



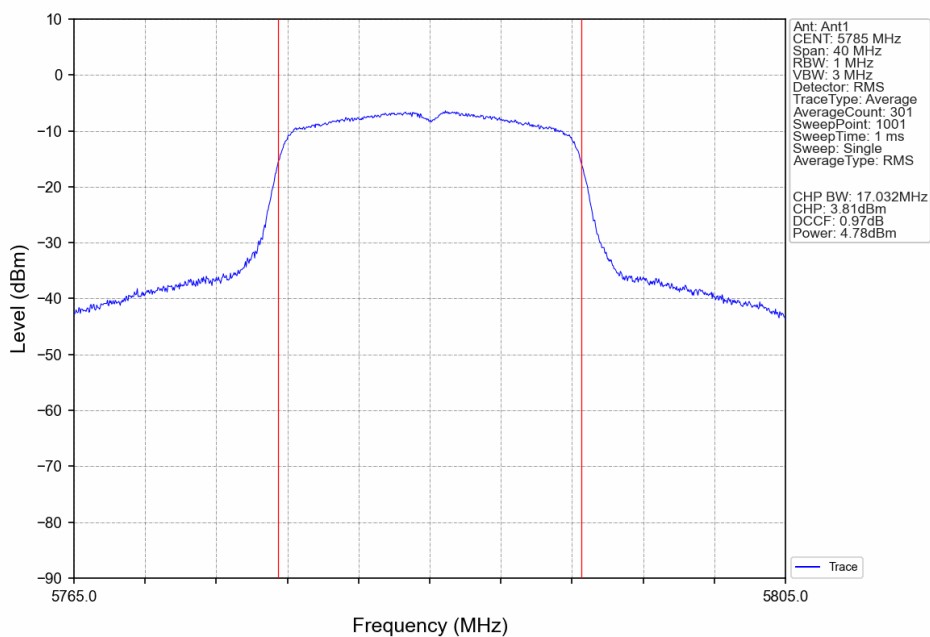
802.11ac(VHT80) MCH 5210MHz Ant1 NTV



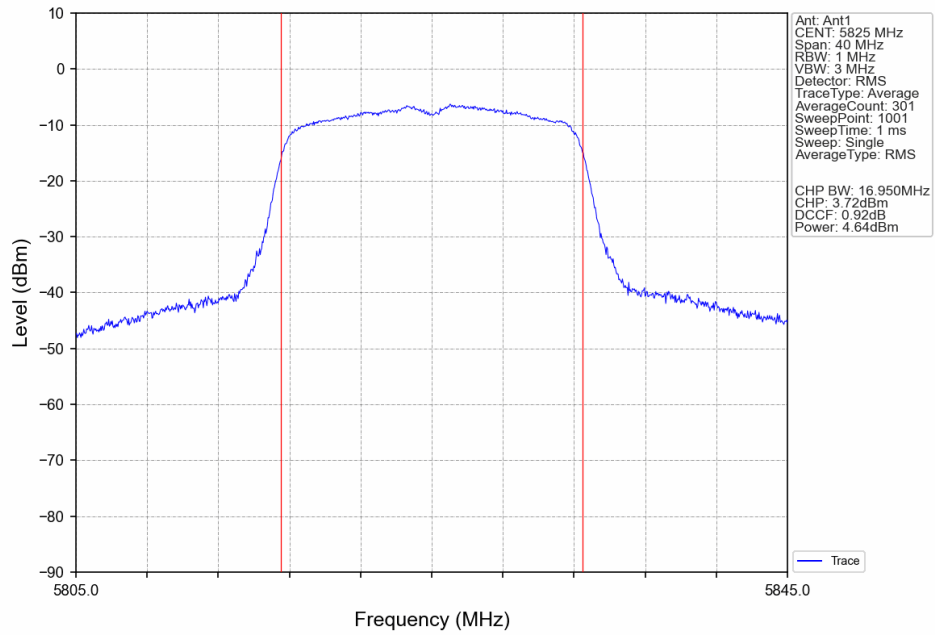
802.11a LCH 5745MHz Ant1 NTNV



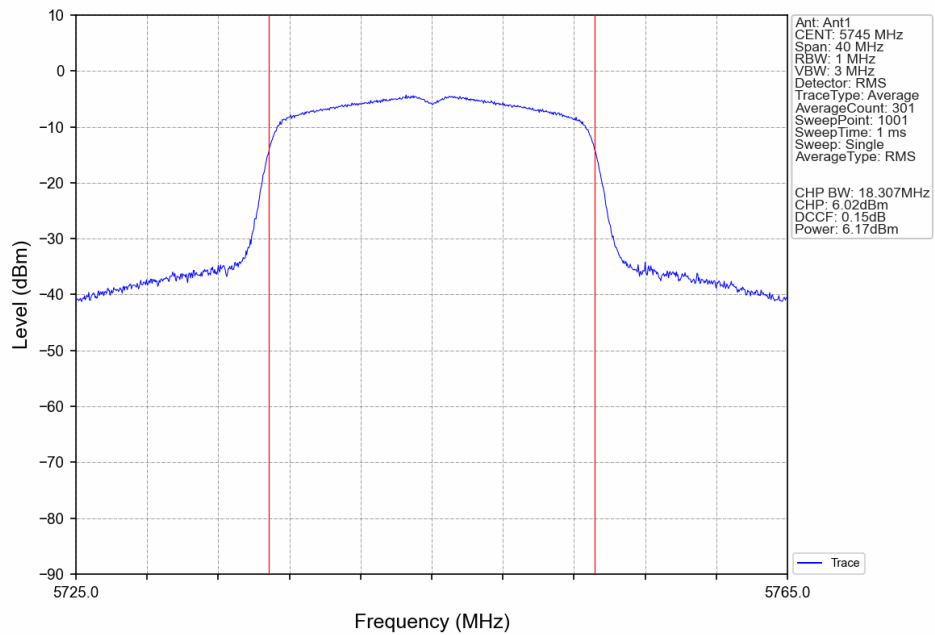
802.11a MCH 5785MHz Ant1 NTNV



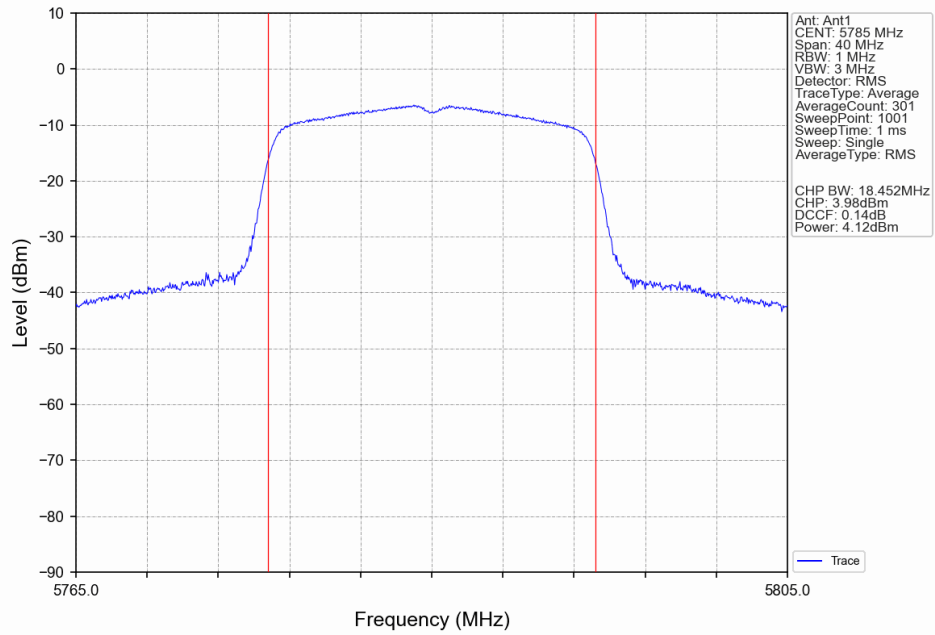
802.11a HCH 5825MHz Ant1 NTN



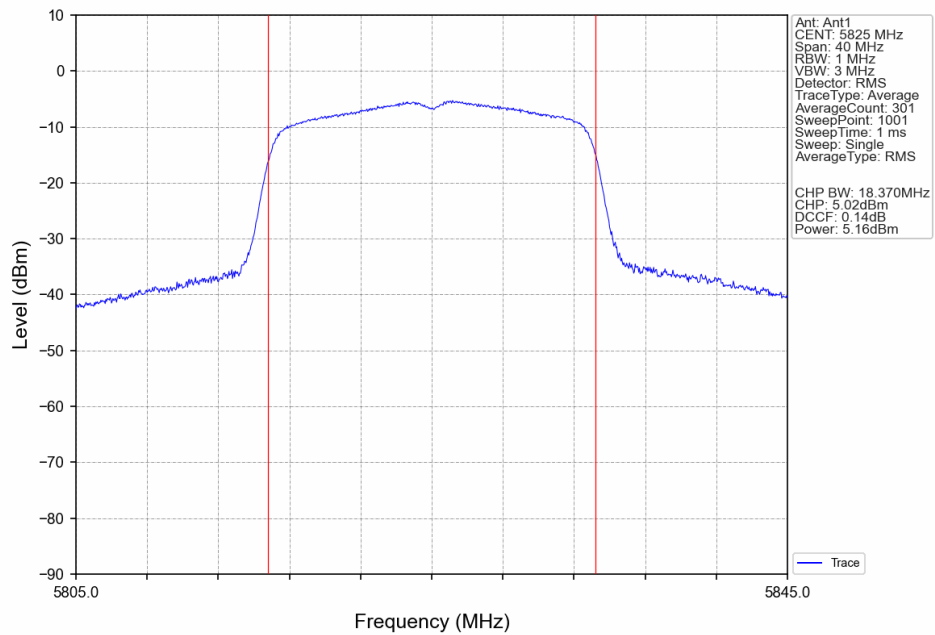
802.11n(HT20) LCH 5745MHz Ant1 NTN



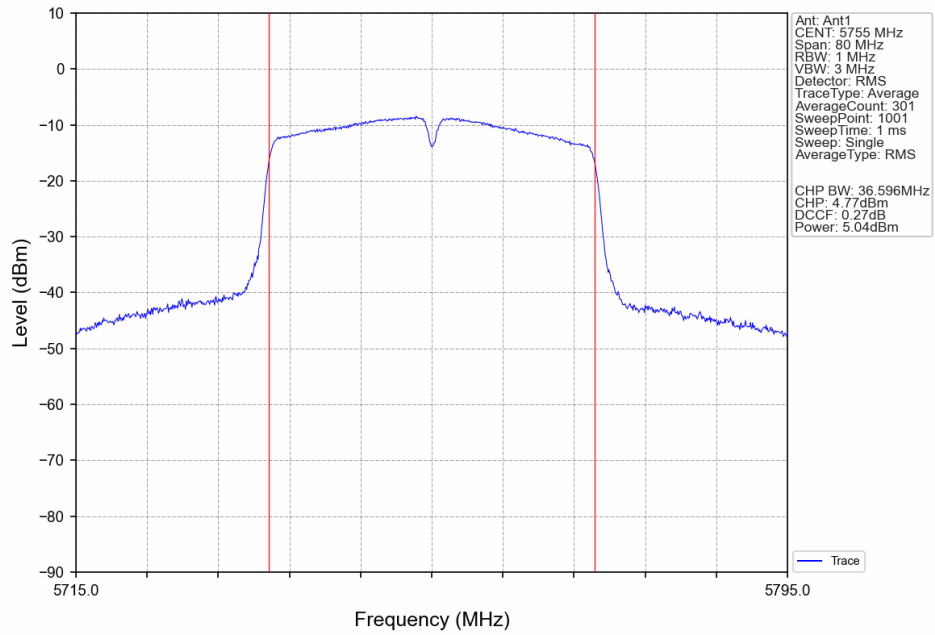
802.11n(HT20) MCH 5785MHz Ant1 NTN



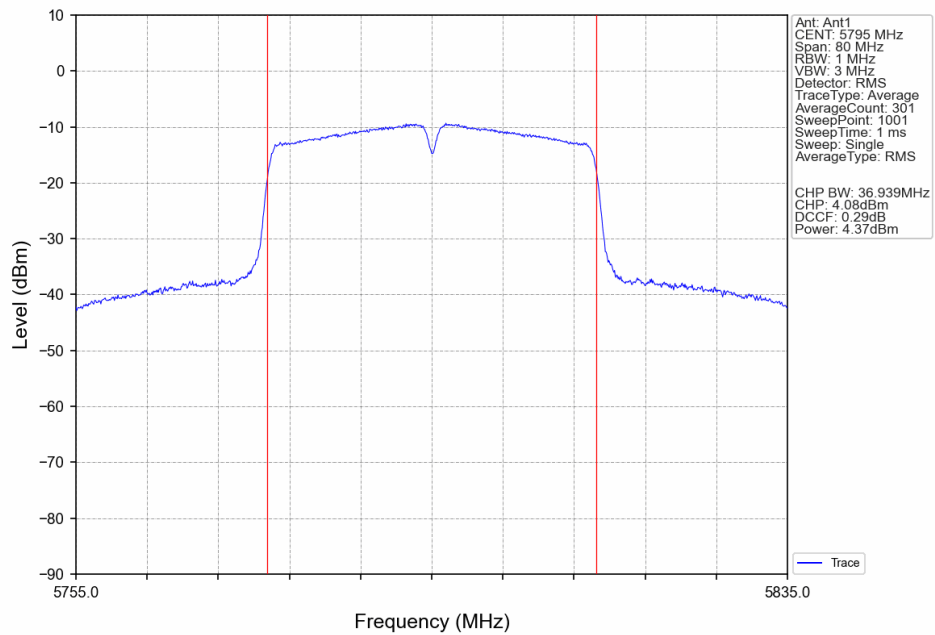
802.11n(HT20) HCH 5825MHz Ant1 NTN



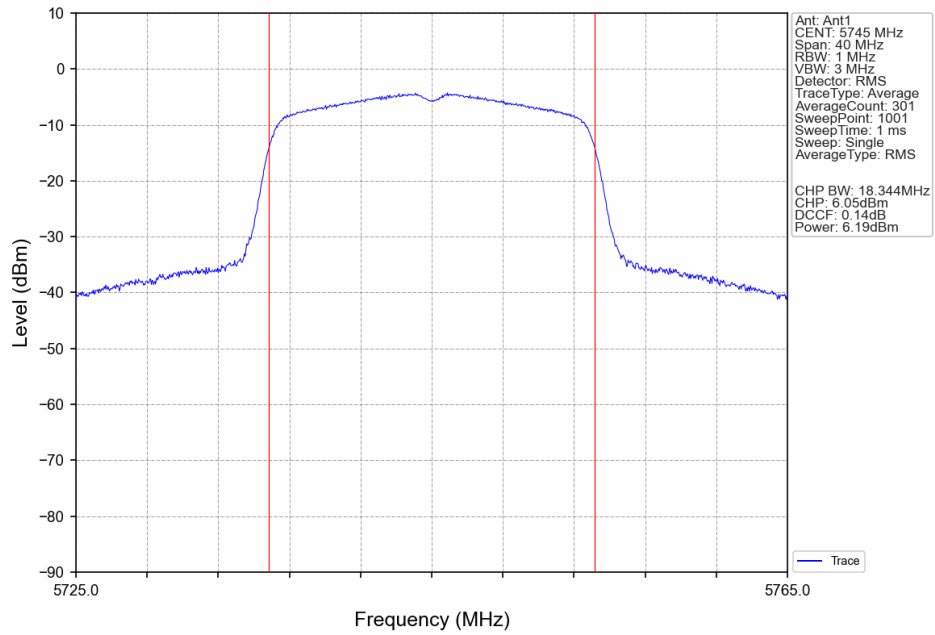
802.11n(HT40) LCH 5755MHz Ant1 NTN



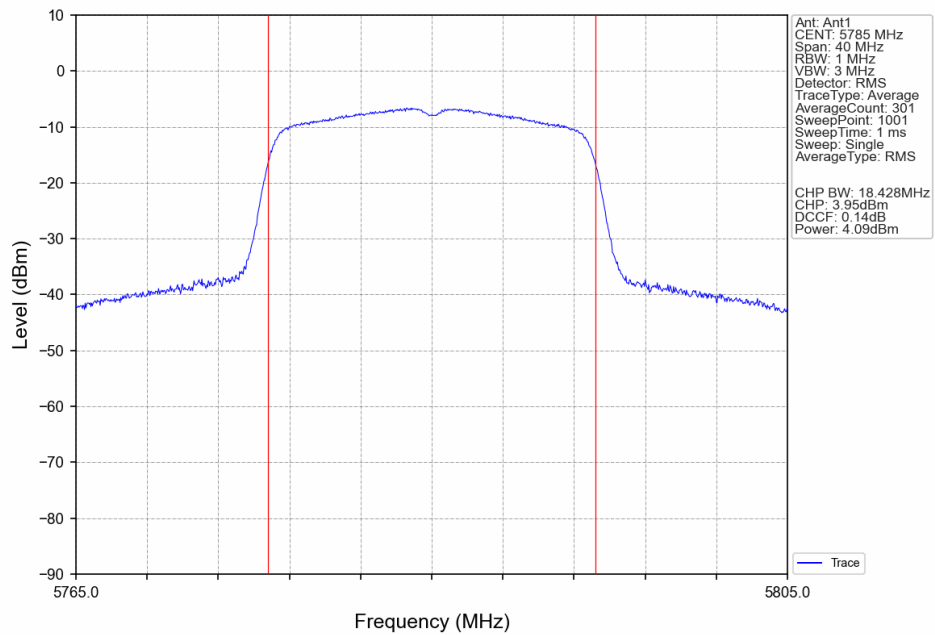
802.11n(HT40) HCH 5795MHz Ant1 NTN



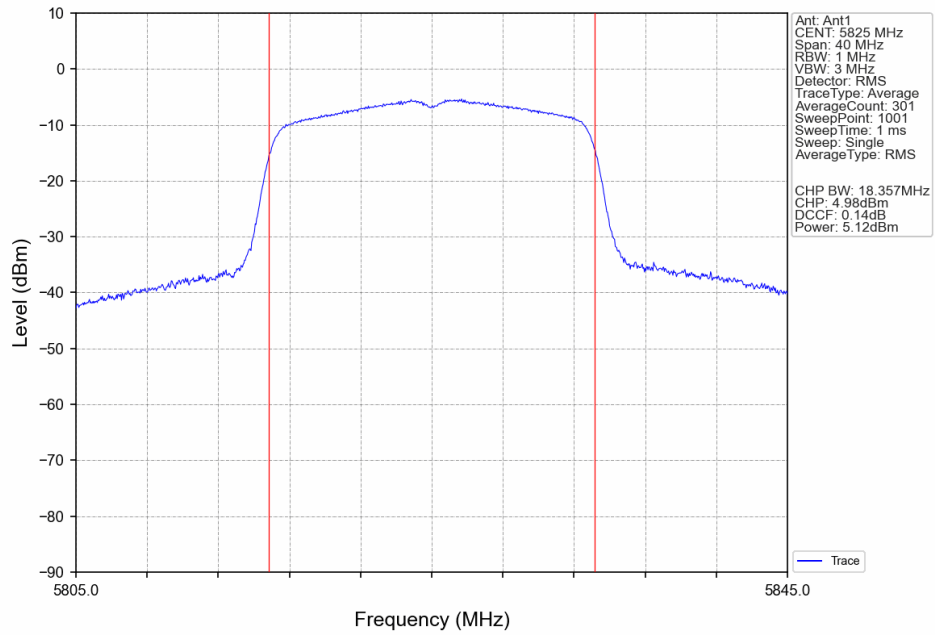
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



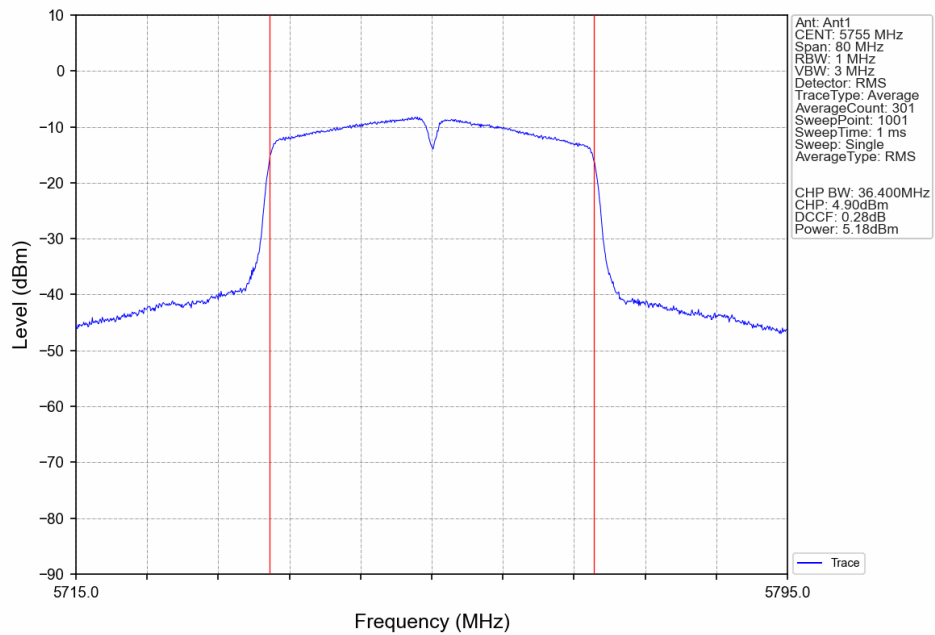
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



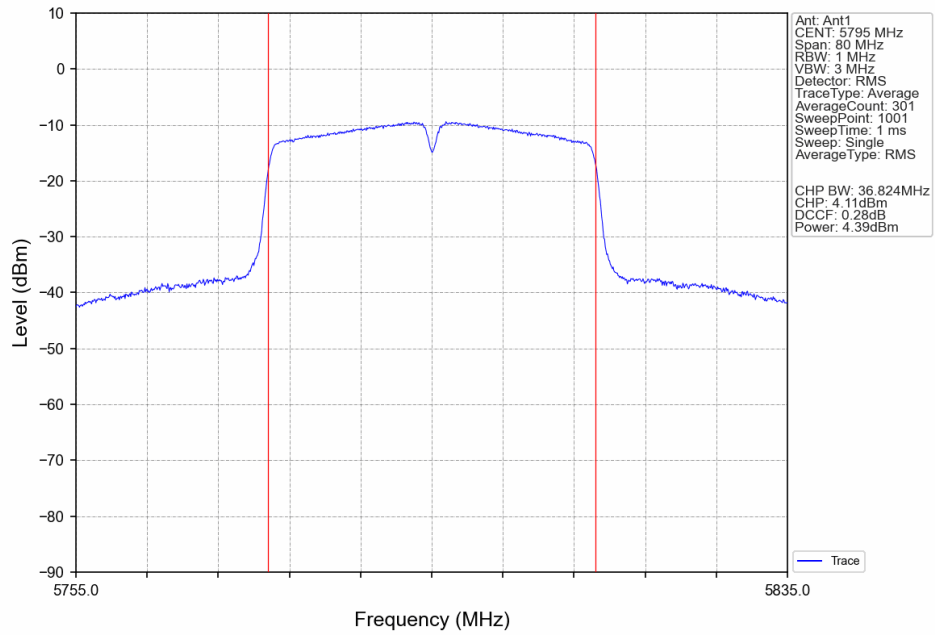
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



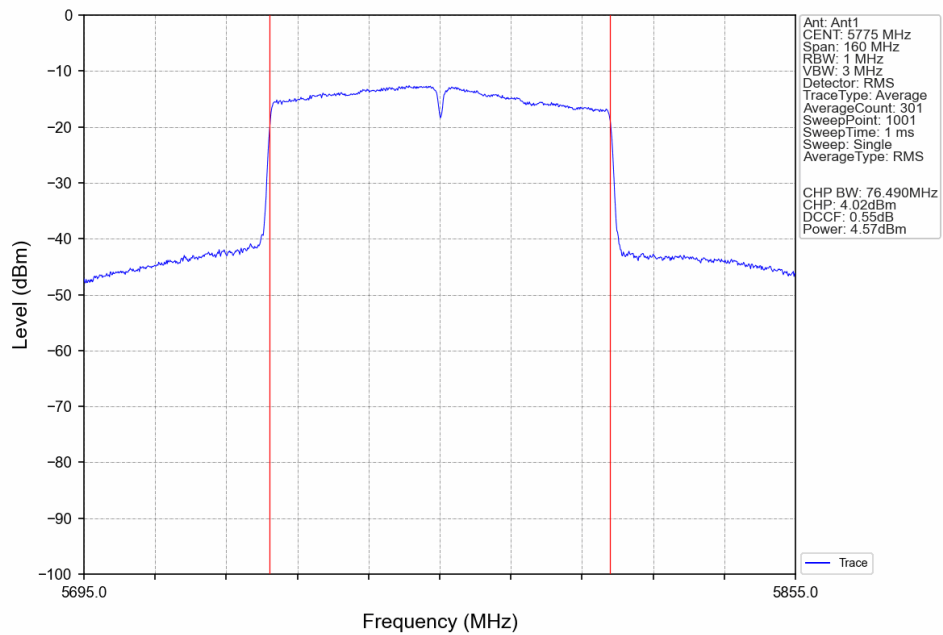
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



802.11ac(VHT40) HCH 5795MHz Ant1 NTNV



802.11ac(VHT80) MCH 5775MHz Ant1 NTNV



4. Maximum Power Spectral Density

4.1 Test Result

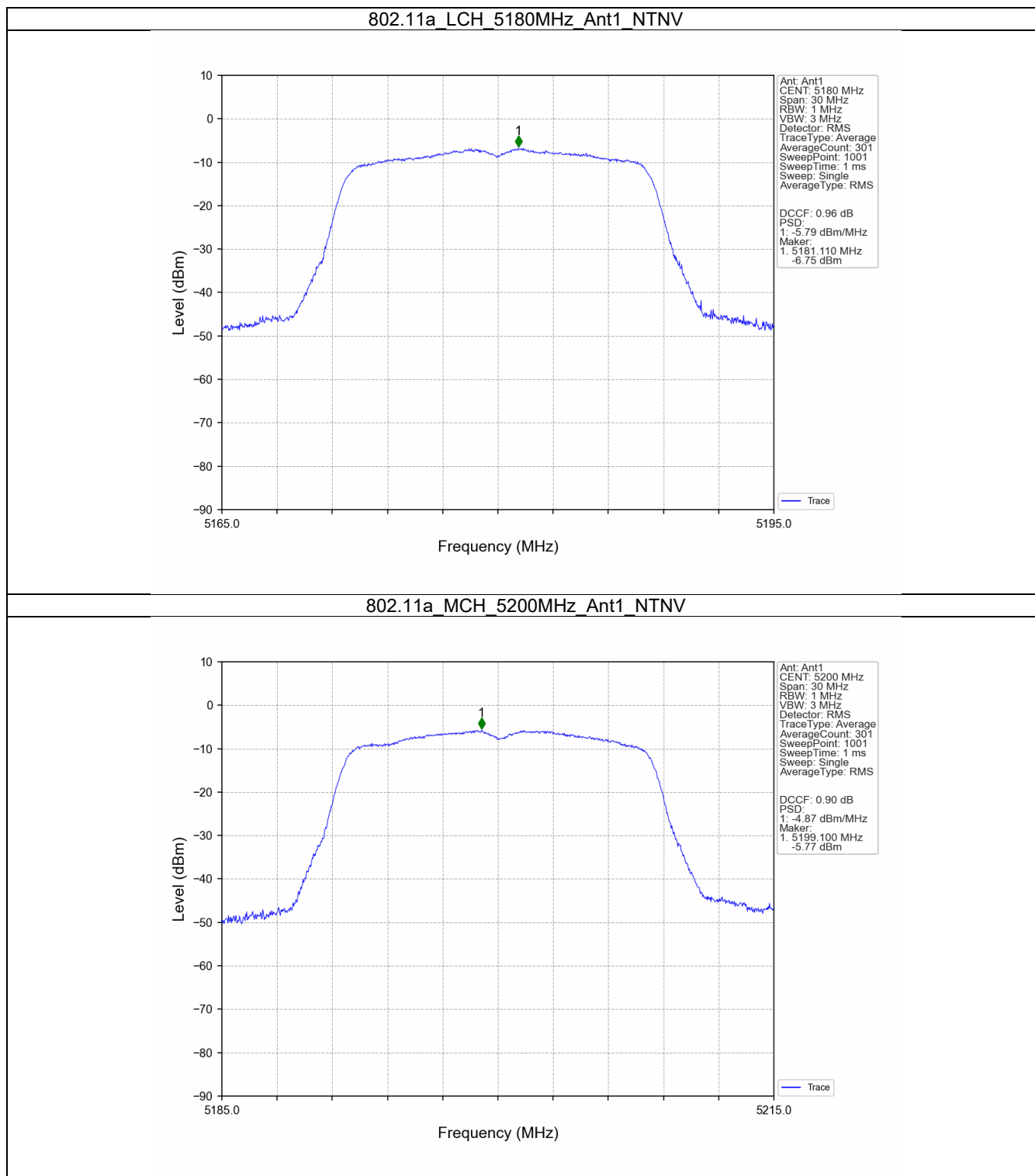
4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	-5.79	<=11	Pass
		5200	-4.87	<=11	Pass
		5240	-3.32	<=11	Pass
802.11n (HT20)	SISO	5180	-5.79	<=11	Pass
		5200	-4.70	<=11	Pass
		5240	-3.27	<=11	Pass
802.11n (HT40)	SISO	5190	-11.71	<=11	Pass
		5230	-9.19	<=11	Pass
802.11ac (VHT20)	SISO	5180	-5.62	<=11	Pass
		5200	-4.67	<=11	Pass
		5240	-2.91	<=11	Pass
802.11ac (VHT40)	SISO	5190	-11.50	<=11	Pass
		5230	-9.36	<=11	Pass
802.11ac (VHT80)	SISO	5210	-14.03	<=11	Pass

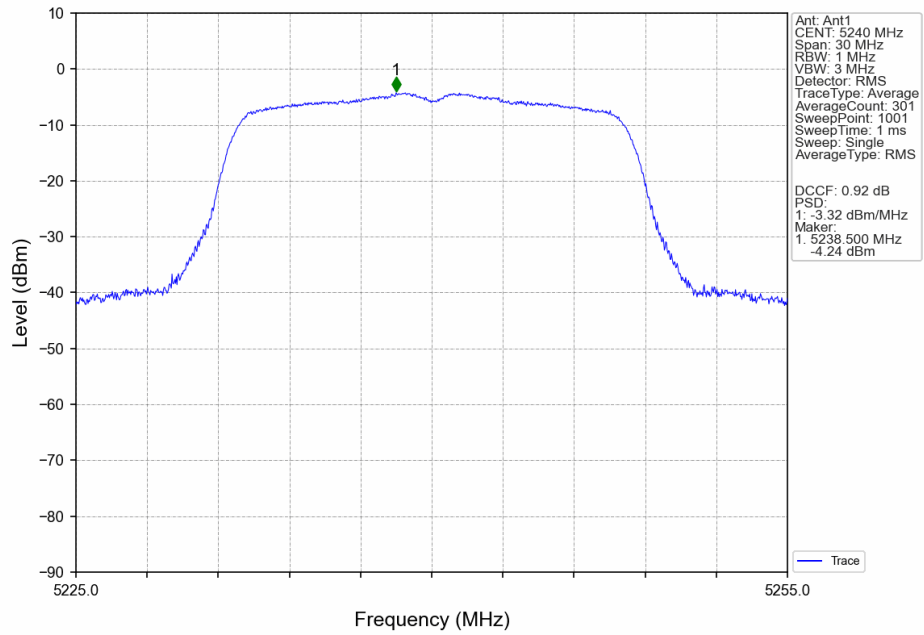
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-7.70	<=30	Pass
		5785	-9.75	<=30	Pass
		5825	-8.18	<=30	Pass
802.11n (HT20)	SISO	5745	-7.75	<=30	Pass
		5785	-10.65	<=30	Pass
		5825	-9.08	<=30	Pass
802.11n (HT40)	SISO	5755	-15.37	<=30	Pass
		5795	-17.35	<=30	Pass
802.11ac (VHT20)	SISO	5745	-7.89	<=30	Pass
		5785	-9.91	<=30	Pass
		5825	-8.45	<=30	Pass
802.11ac (VHT40)	SISO	5755	-15.10	<=30	Pass
		5795	-16.40	<=30	Pass
802.11ac (VHT80)	SISO	5775	-18.63	<=30	Pass

4.2 Test Graph

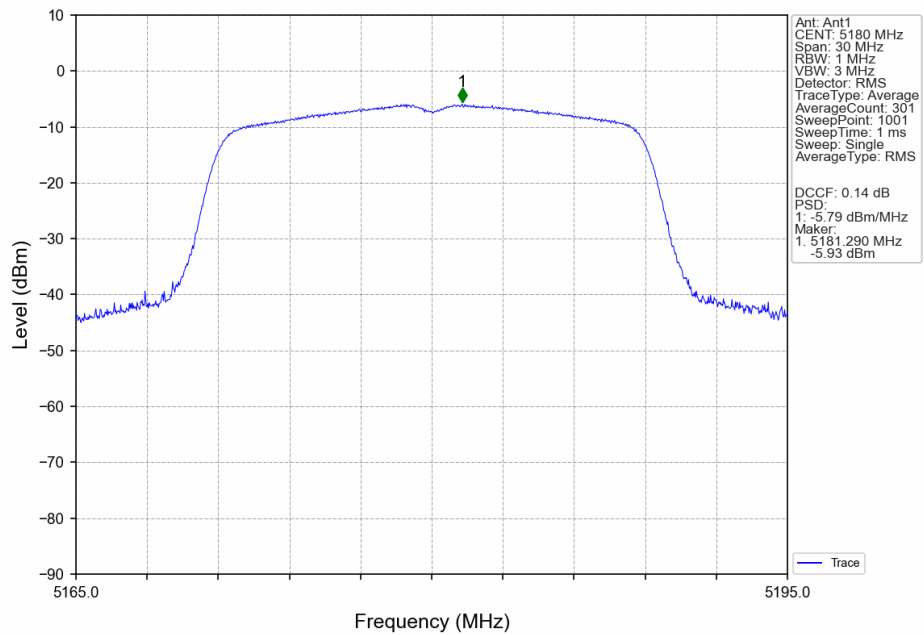
4.2.1 PSD



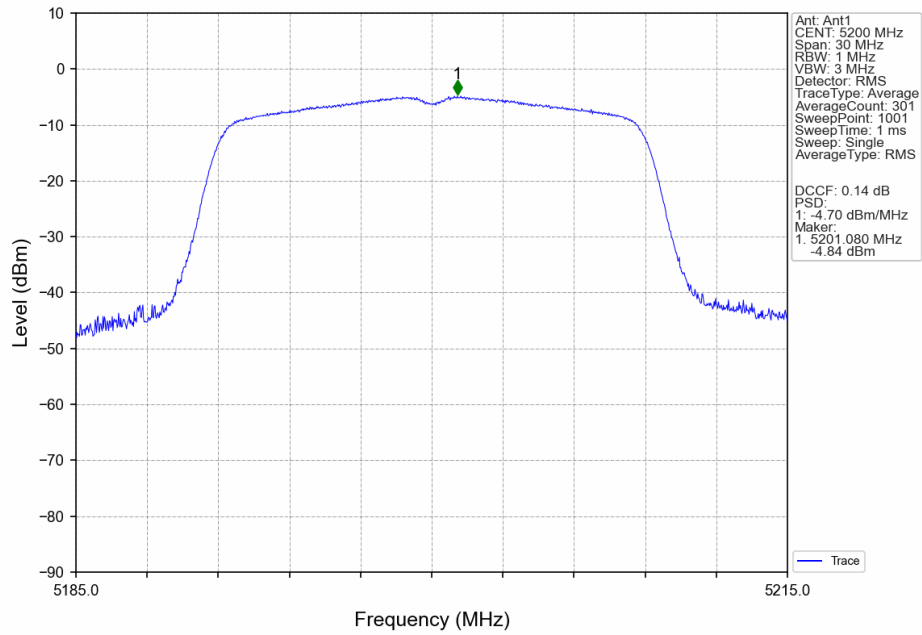
802.11a HCH 5240MHz Ant1 NTNV



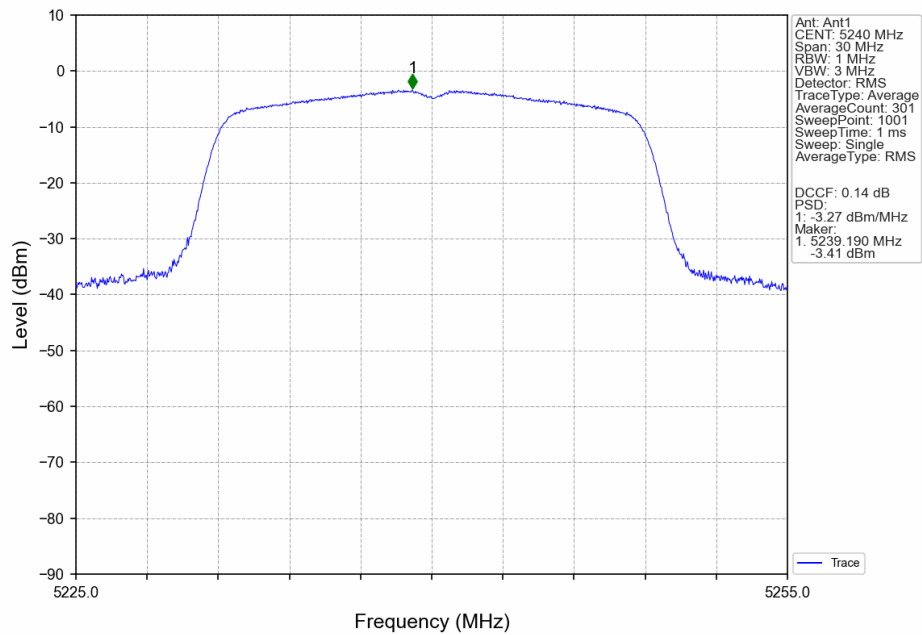
802.11n(HT20) LCH 5180MHz Ant1 NTNV



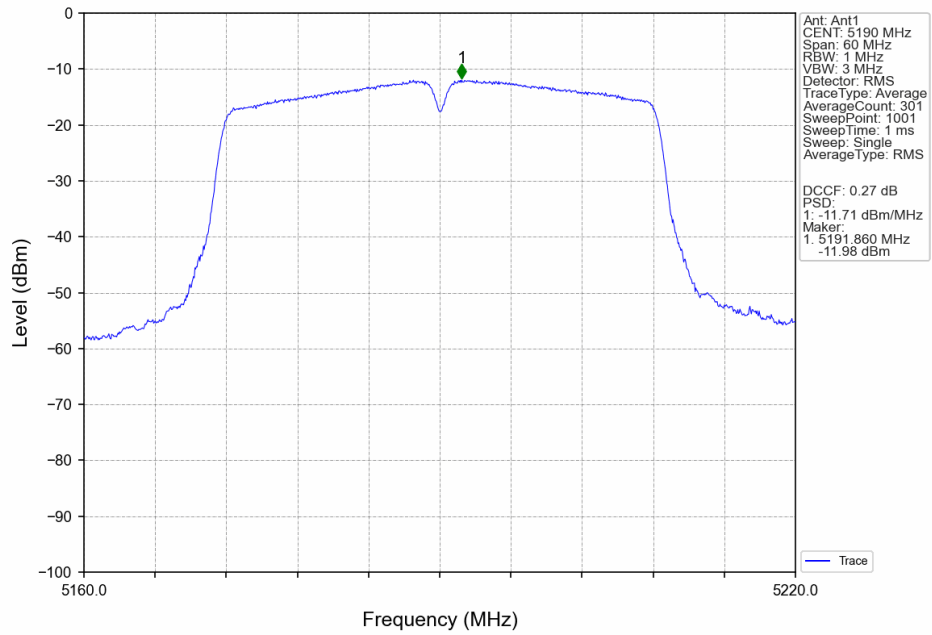
802.11n(HT20) MCH 5200MHz Ant1 NTN



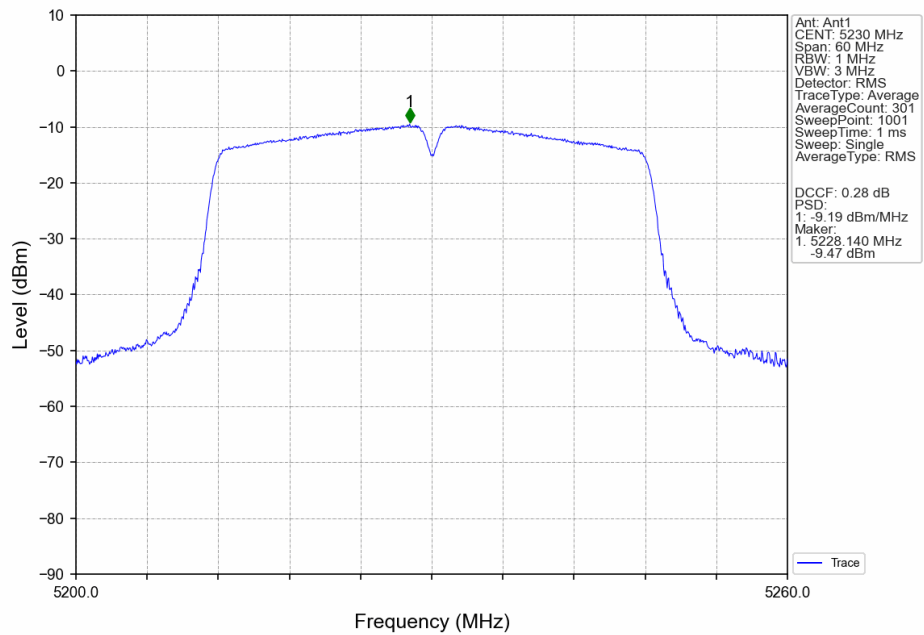
802.11n(HT20) HCH 5240MHz Ant1 NTN



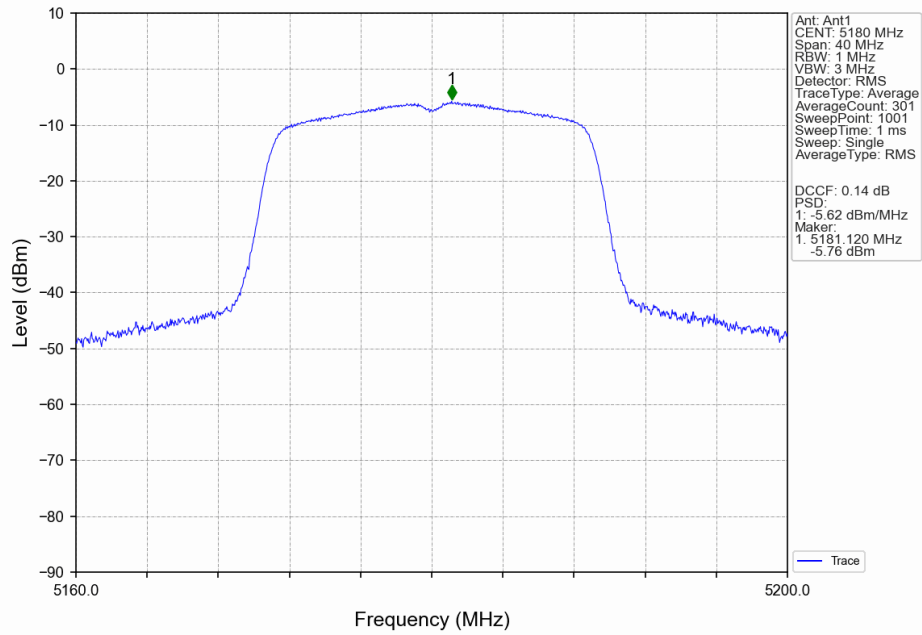
802.11n(HT40) LCH 5190MHz Ant1 NTN



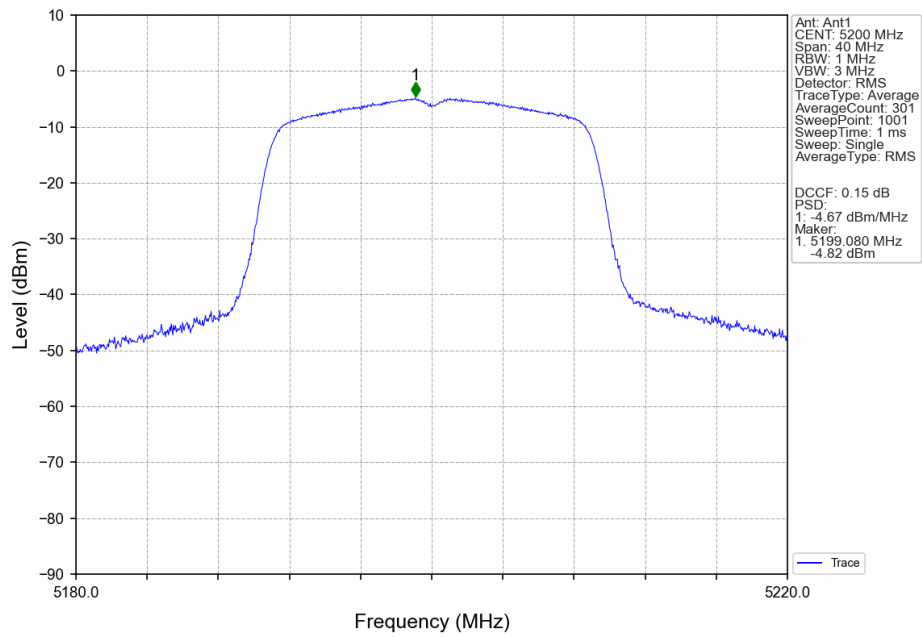
802.11n(HT40) HCH 5230MHz Ant1 NTN



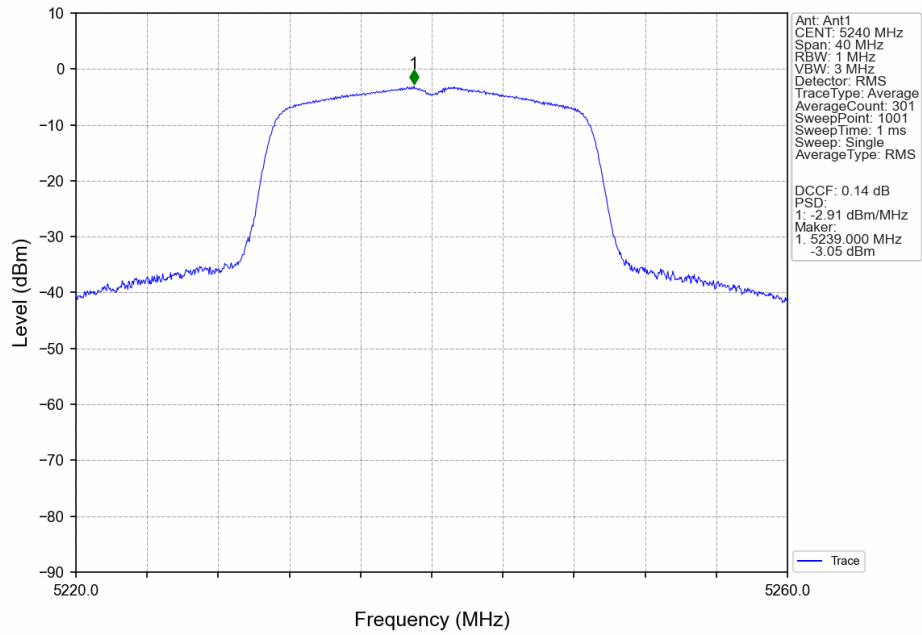
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



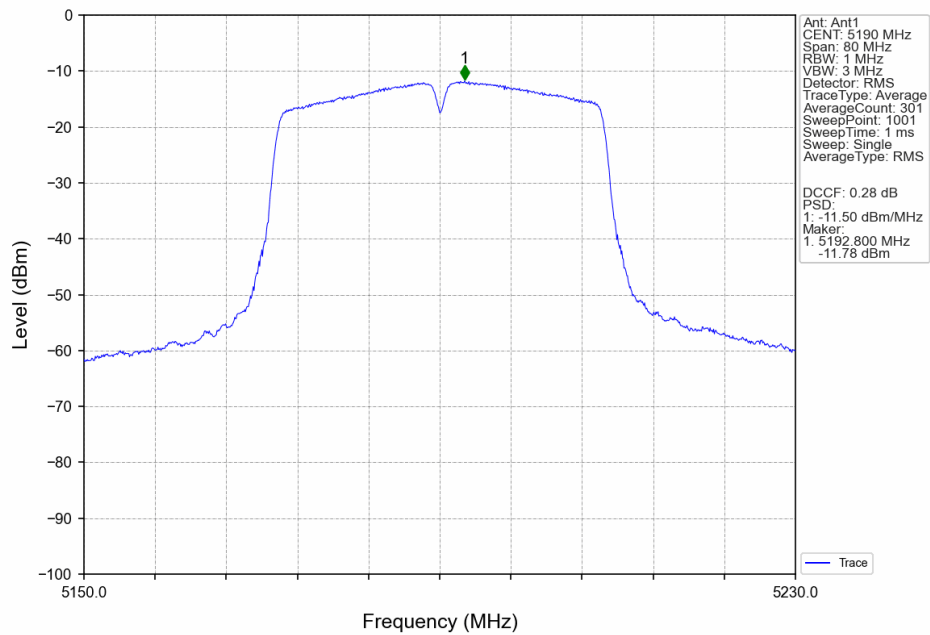
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



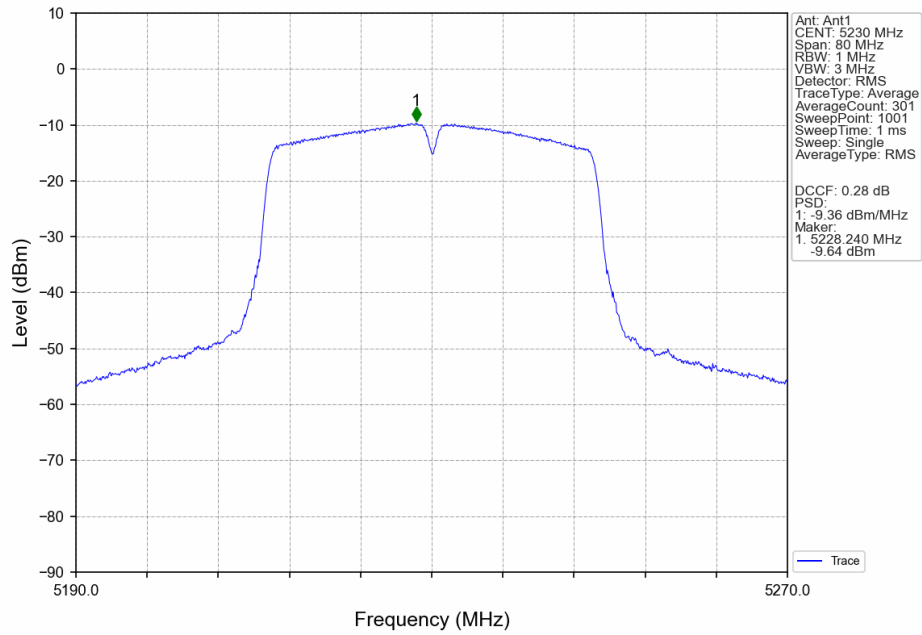
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



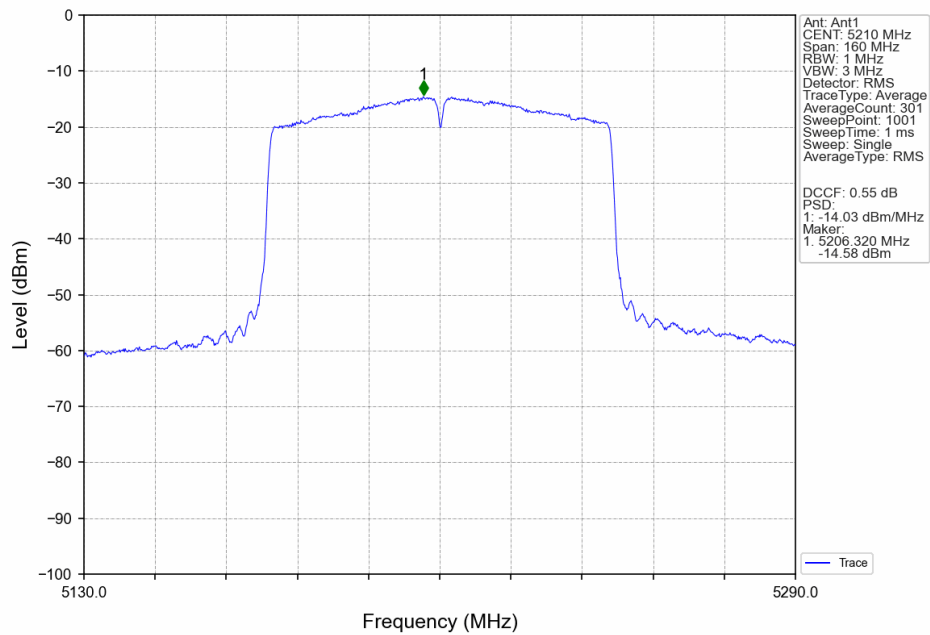
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



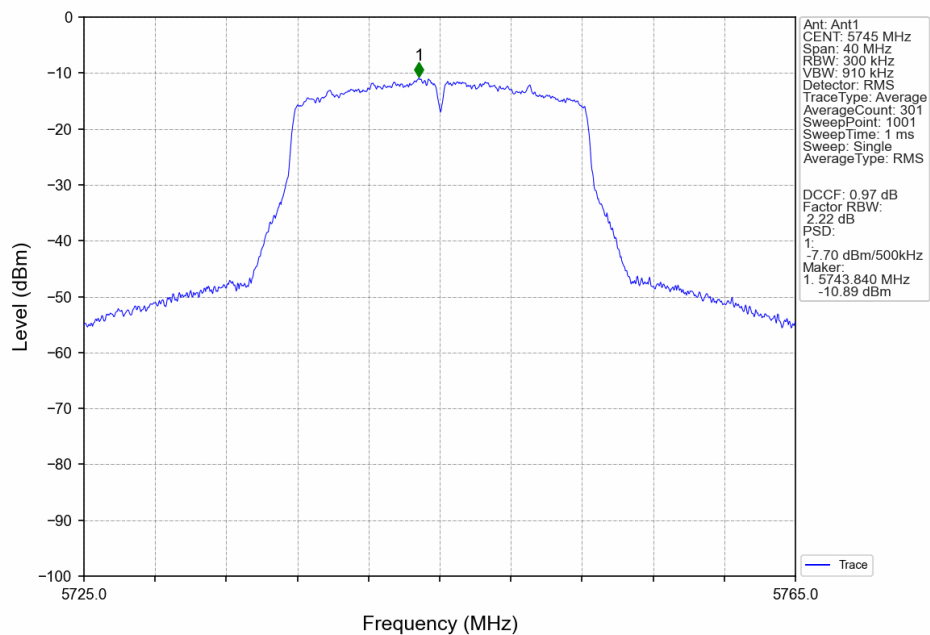
802.11ac(VHT40) HCH 5230MHz Ant1 NTN



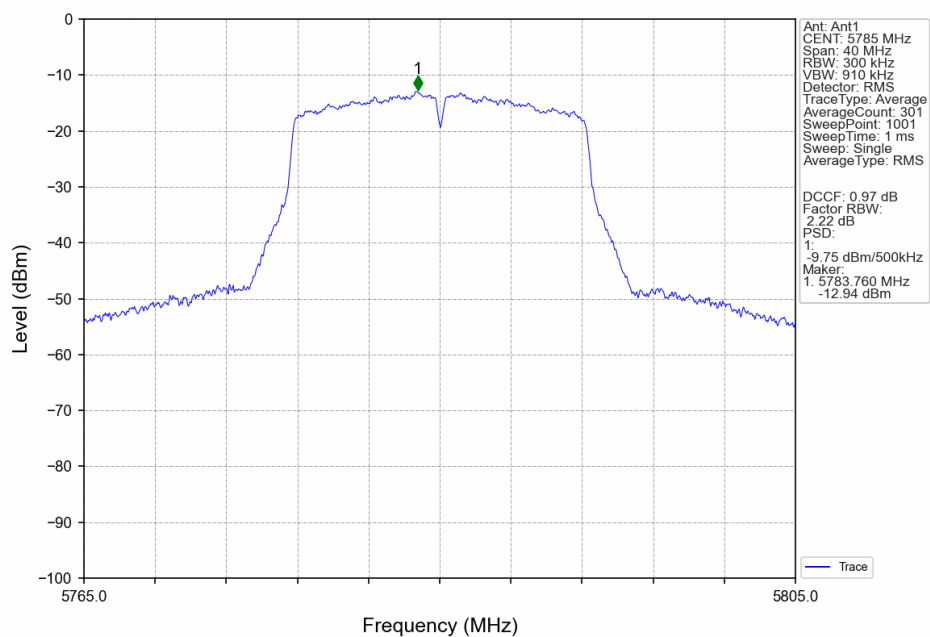
802.11ac(VHT80) MCH 5210MHz Ant1 NTN



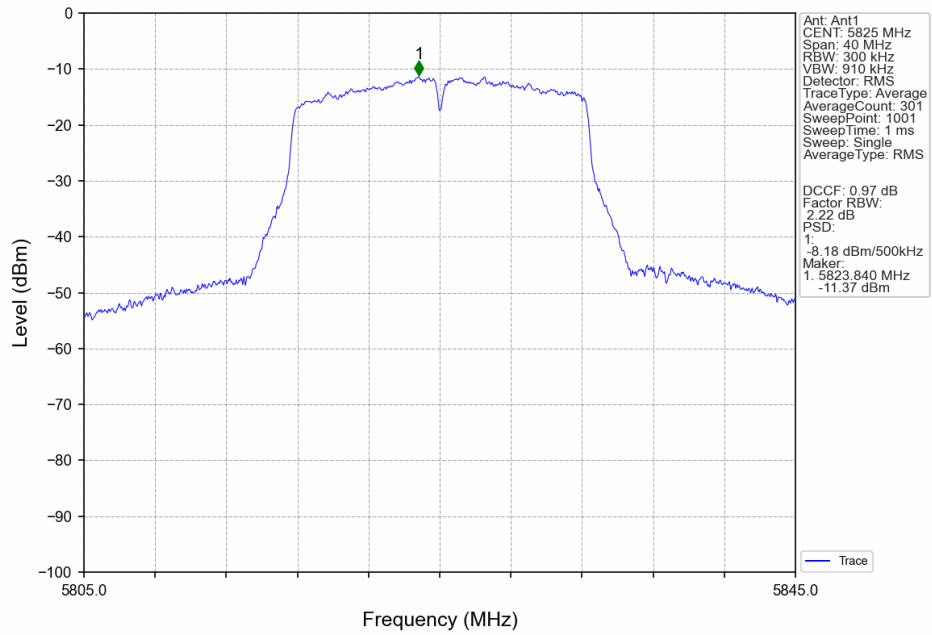
802.11a LCH 5745MHz Ant1 NTNV



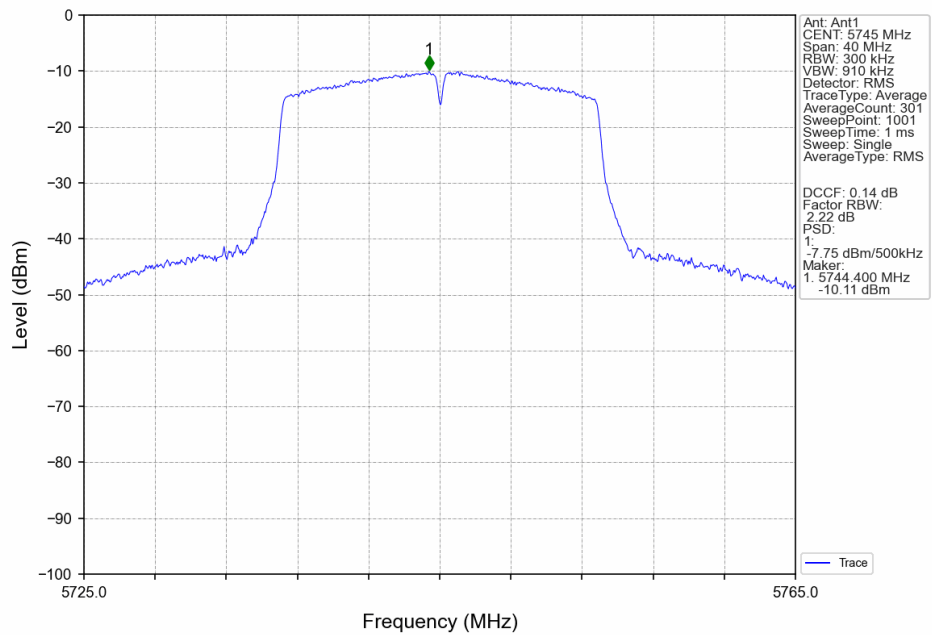
802.11a MCH 5785MHz Ant1 NTNV



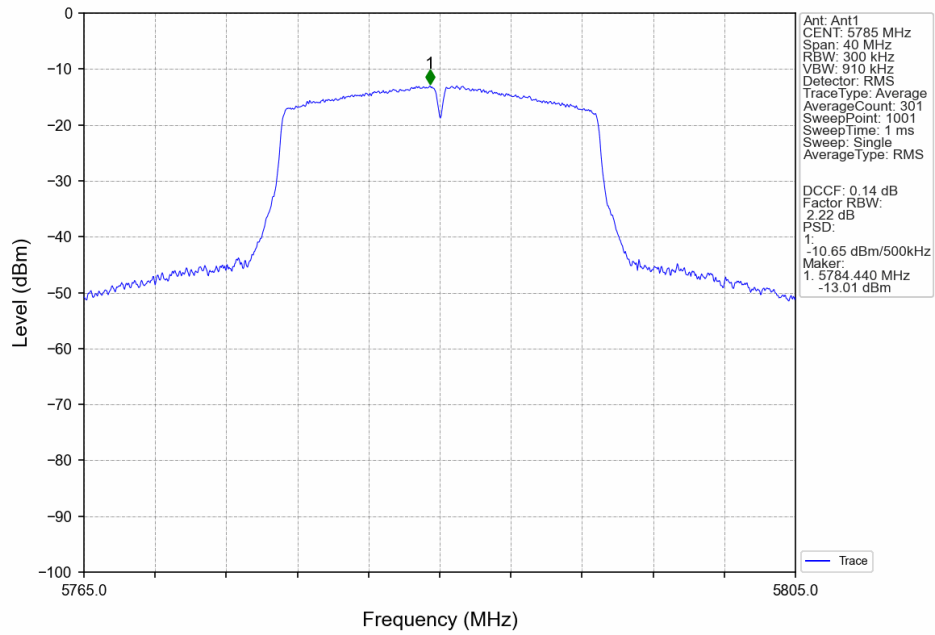
802.11a HCH 5825MHz Ant1 NTN



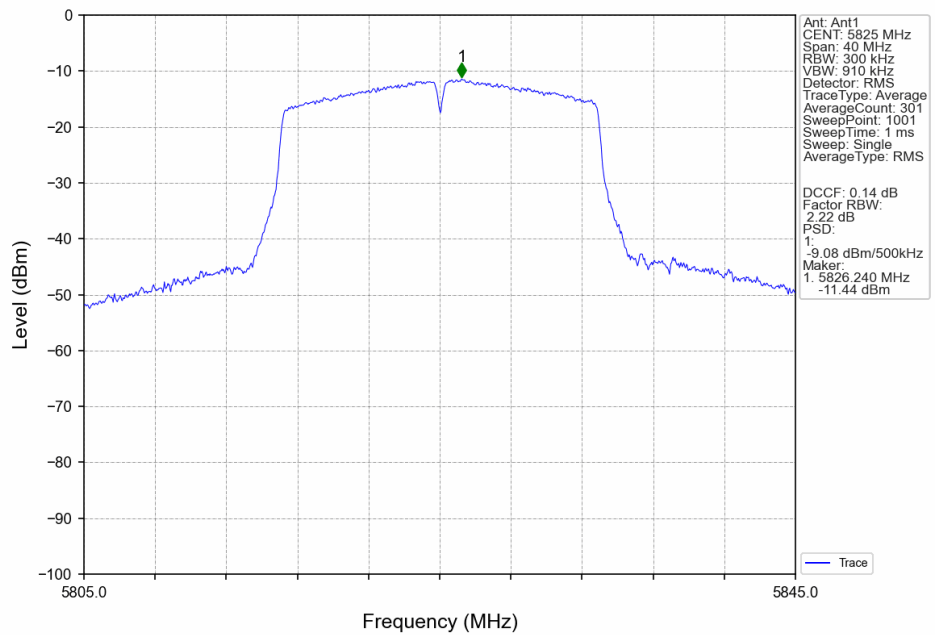
802.11n(HT20) LCH 5745MHz Ant1 NTN



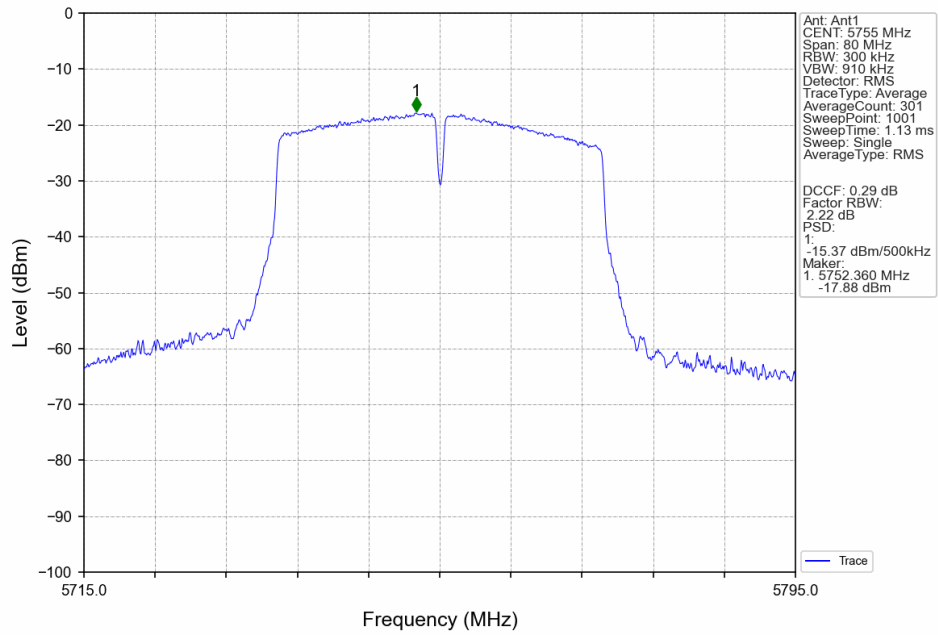
802.11n(HT20) MCH 5785MHz Ant1 NTN



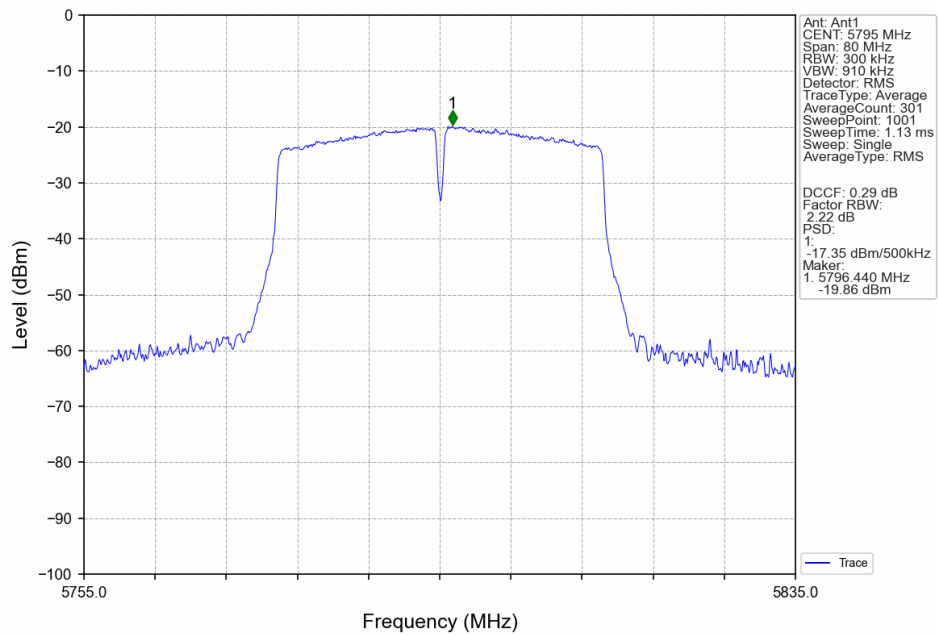
802.11n(HT20) HCH 5825MHz Ant1 NTN



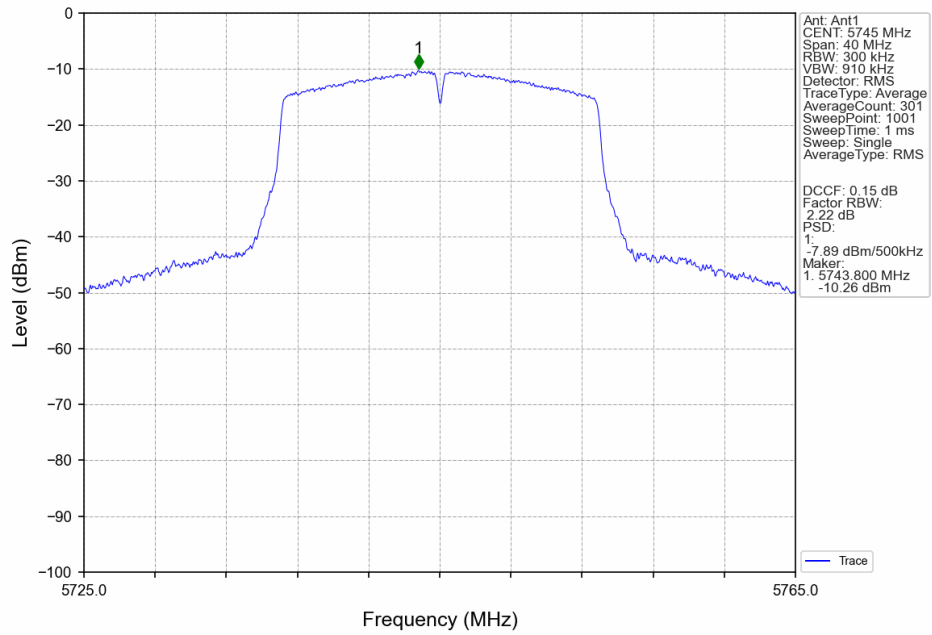
802.11n(HT40) LCH 5755MHz Ant1 NTN



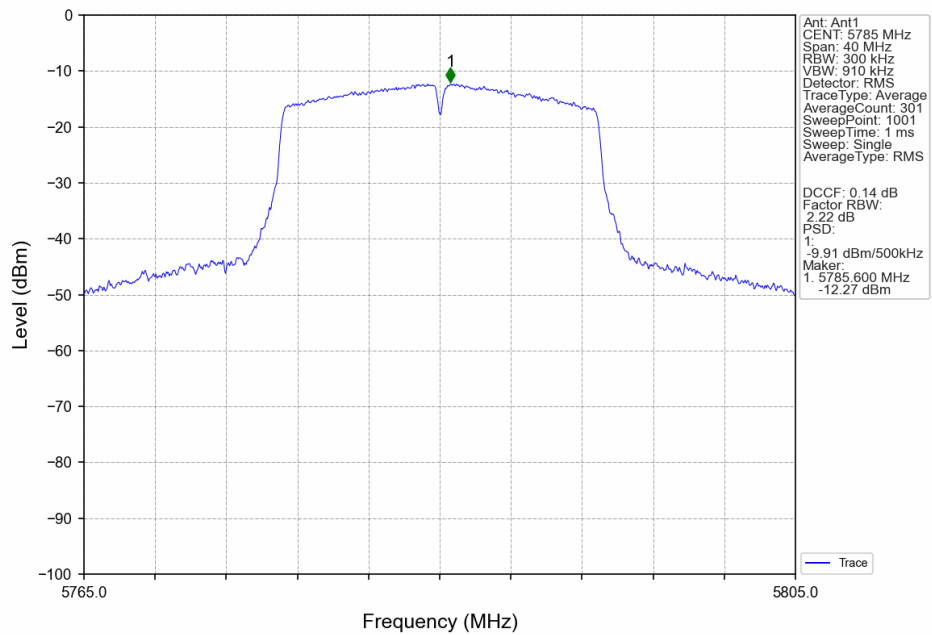
802.11n(HT40) HCH 5795MHz Ant1 NTN



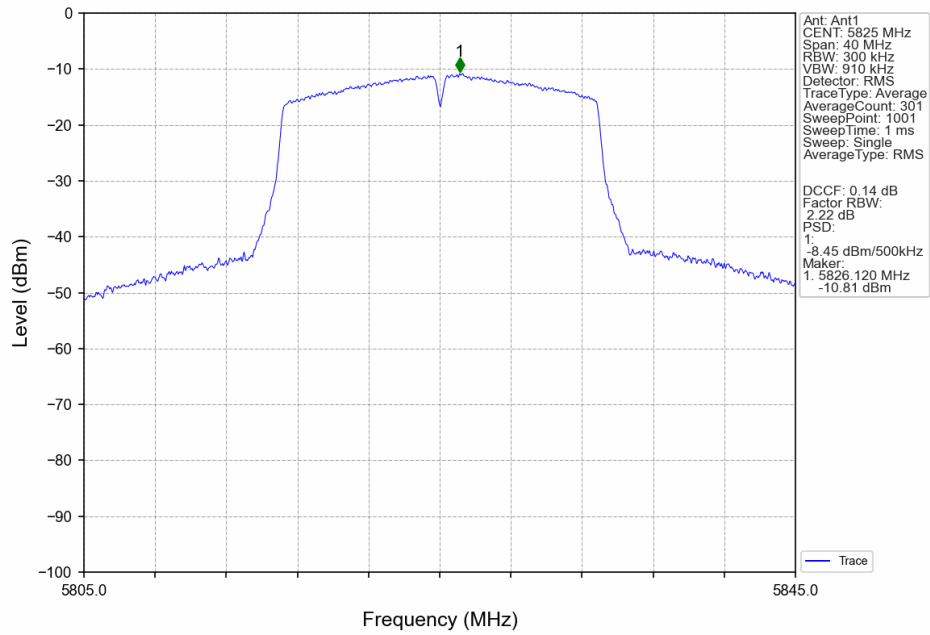
802.11ac(VHT20) LCH 5745MHz Ant1 NTV



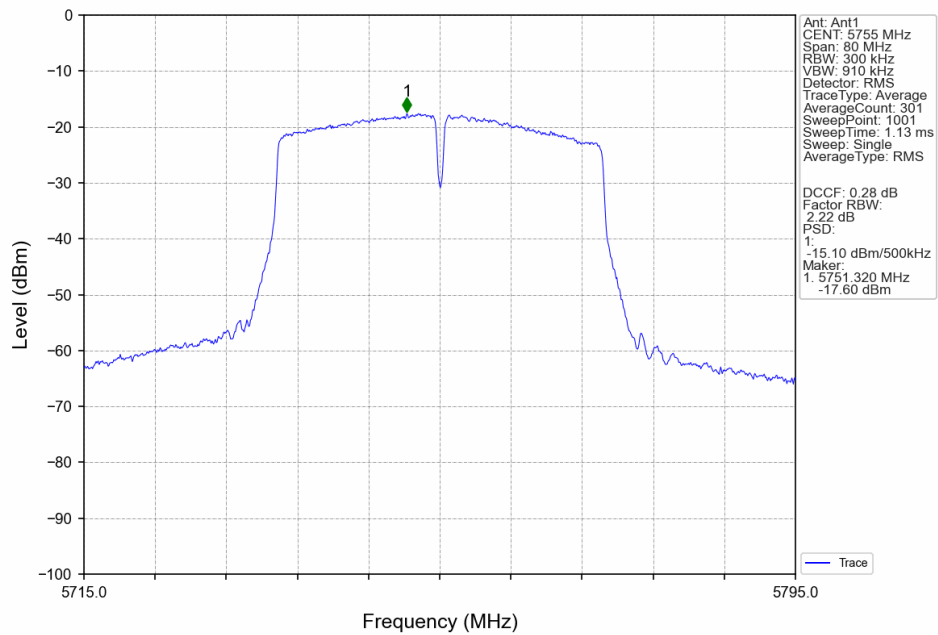
802.11ac(VHT20) MCH 5785MHz Ant1 NTV



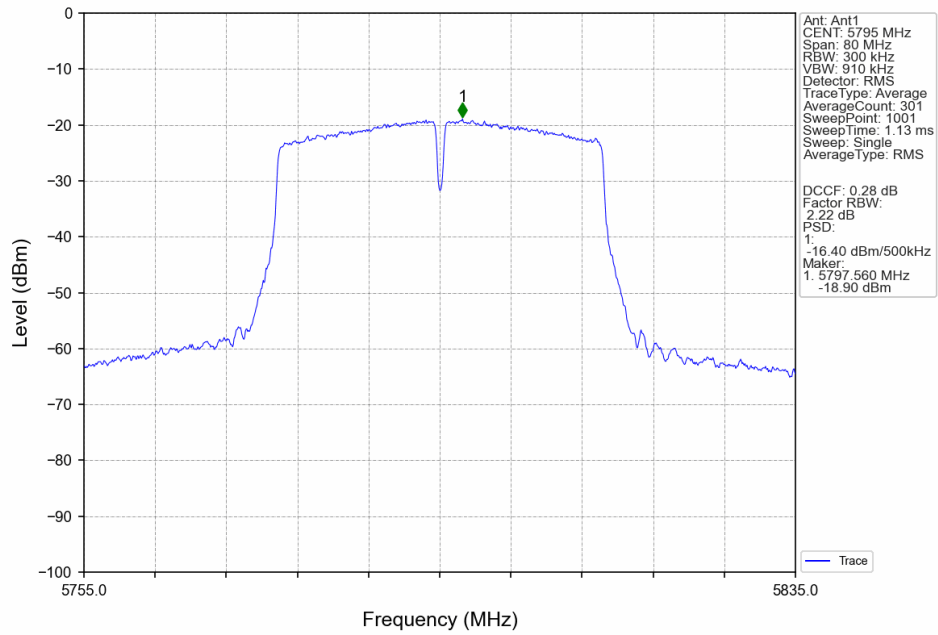
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



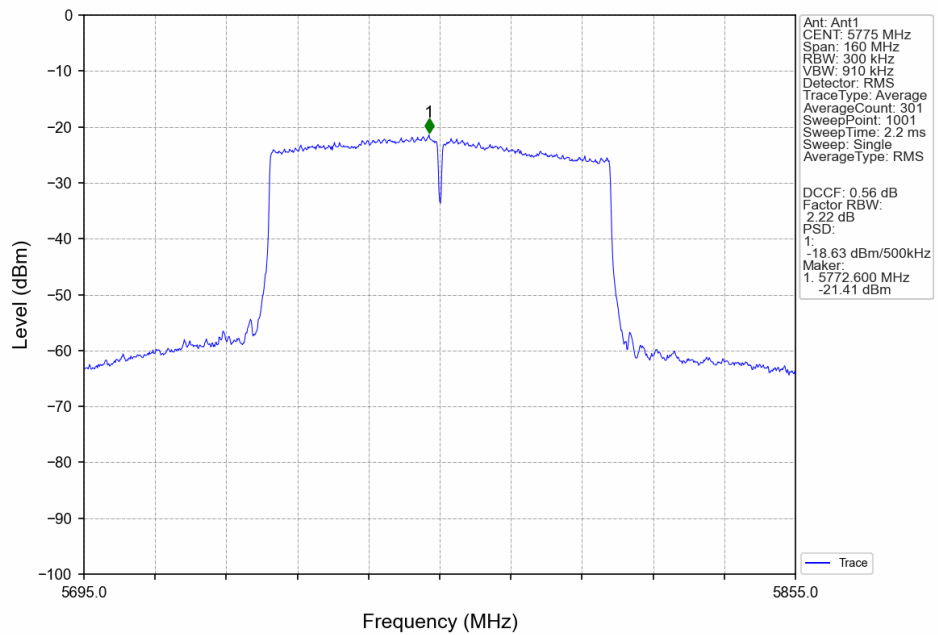
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



802.11ac(VHT40) HCH 5795MHz Ant1 NTN



802.11ac(VHT80) MCH 5775MHz Ant1 NTN



7. Band Edge

7.1 Test Result

7.1.1 BandEdge

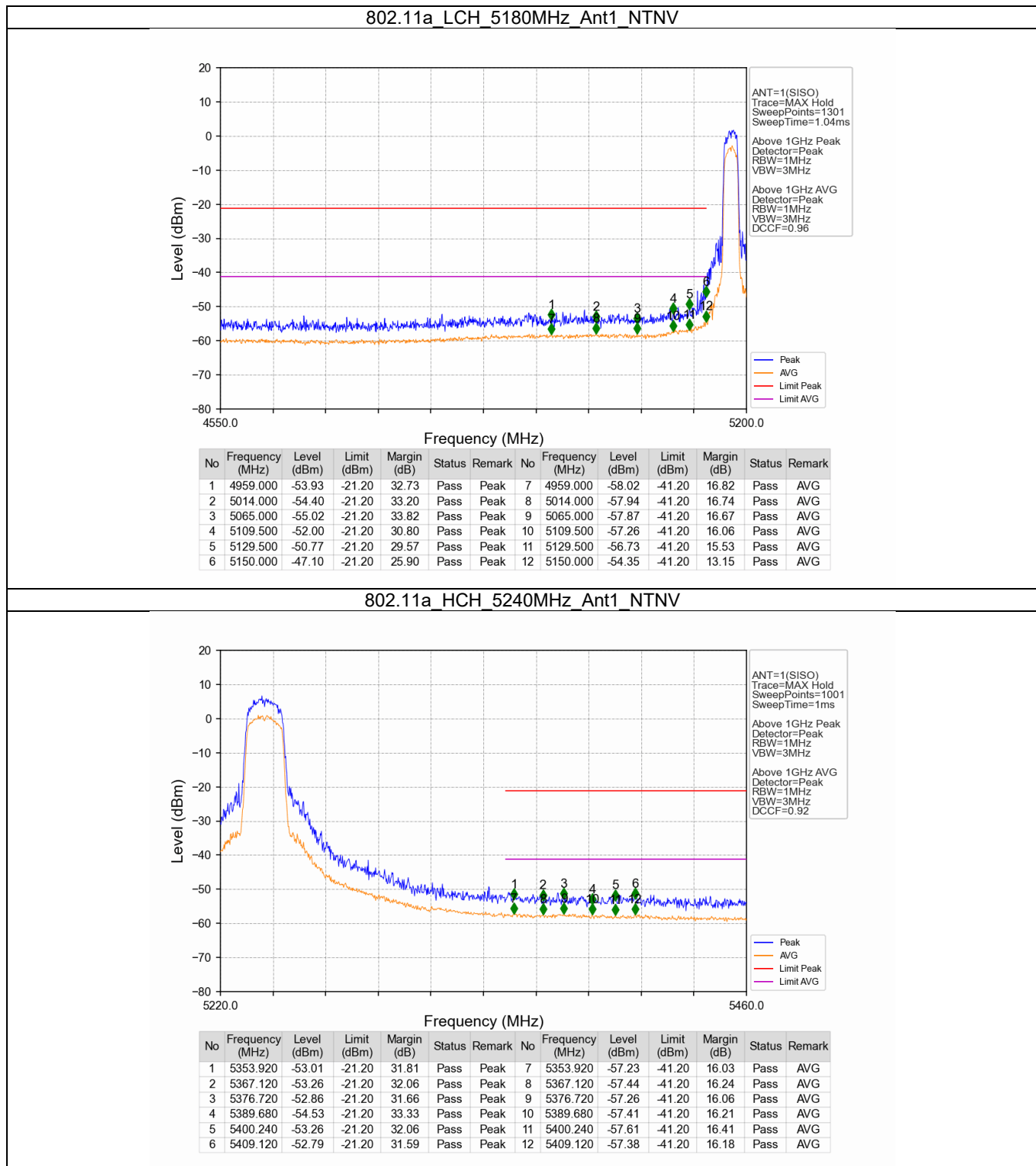
Mode	TX Type	Frequency (MHz)	ANT	Level of Unwanted Emissions (dBm)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	-47.1	-21.2	Pass
		5240	1	-52.79	-21.2	Pass
802.11n (HT20)	SISO	5180	1	-37.52	-21.2	Pass
		5240	1	-47.39	-21.2	Pass
802.11n (HT40)	SISO	5190	1	-49.23	-21.2	Pass
		5230	1	-50.07	-21.2	Pass
802.11ac (VHT20)	SISO	5180	1	-42.71	-21.2	Pass
		5240	1	-47.73	-21.2	Pass
802.11ac (VHT40)	SISO	5190	1	-49.66	-21.2	Pass
		5230	1	-49.38	-21.2	Pass
802.11ac (VHT80)	SISO	5210	1	47.92	-21.2	Pass

Mode	TX Type	Frequency (MHz)	ANT	Level of Unwanted Emissions (dBm)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	-30.73	24.59	Pass
		5825	1	-32.47	27	Pass
802.11n (HT20)	SISO	5745	1	-26.87	23.28	Pass
		5825	1	-31.02	26.73	Pass
802.11n (HT40)	SISO	5755	1	-28.59	23.28	Pass
		5795	1	-43.67	13.47	Pass
802.11ac (VHT20)	SISO	5745	1	-25.79	26.43	Pass
		5825	1	-31.08	17.42	Pass
802.11ac (VHT40)	SISO	5755	1	-34.99	25.93	Pass
		5795	1	-44.49	22.28	Pass
802.11ac (VHT80)	SISO	5775	1	-36.83	15.88	Pass

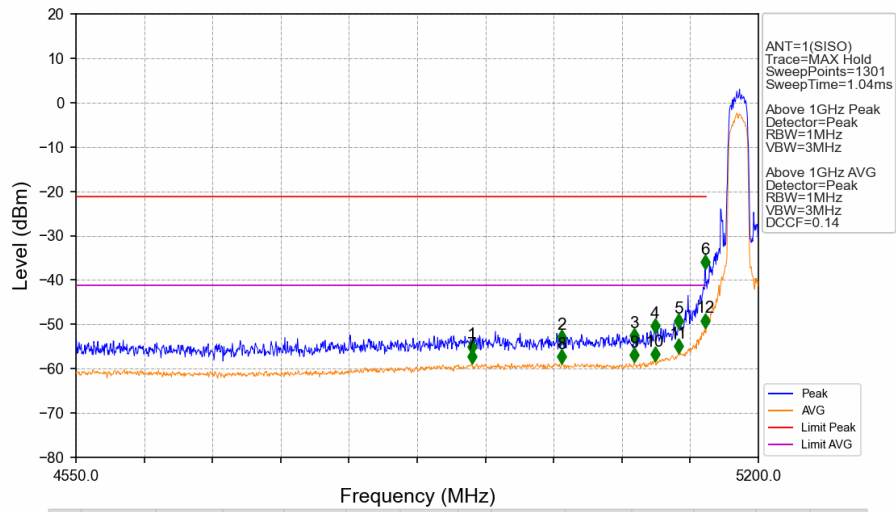
Note: The antenna gain is compensated in the test data.

7.2 Test Graph

7.2.1 BandEdge

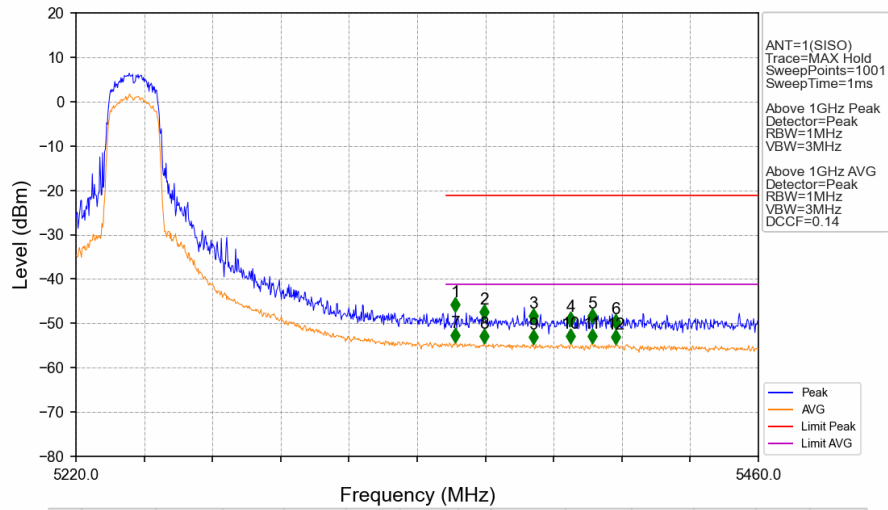


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



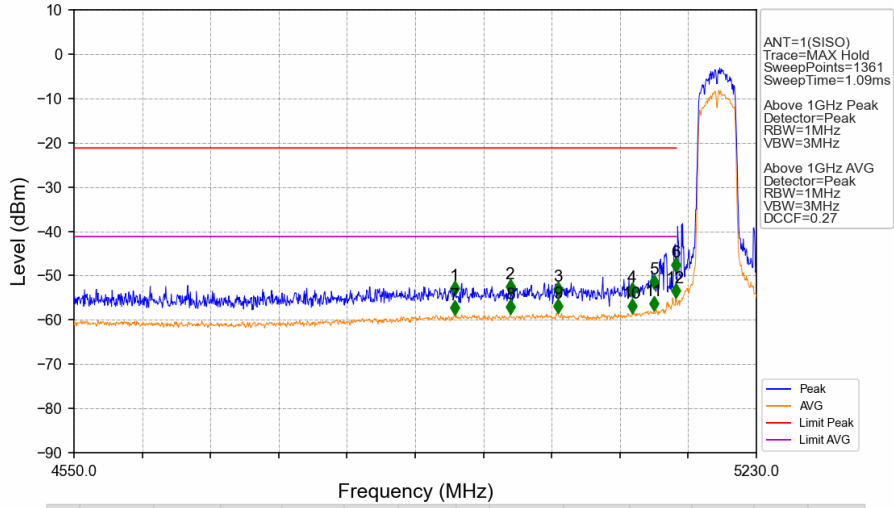
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4927.000	-56.57	-21.20	35.37	Pass	Peak	7	4927.000	-58.79	-41.20	17.59	Pass	AVG
2	5012.500	-54.43	-21.20	33.23	Pass	Peak	8	5012.500	-58.74	-41.20	17.54	Pass	AVG
3	5081.500	-54.13	-21.20	32.93	Pass	Peak	9	5081.500	-58.44	-41.20	17.24	Pass	AVG
4	5101.500	-51.86	-21.20	30.66	Pass	Peak	10	5101.500	-58.21	-41.20	17.01	Pass	AVG
5	5124.000	-50.84	-21.20	29.64	Pass	Peak	11	5124.000	-56.38	-41.20	15.18	Pass	AVG
6	5149.500	-37.52	-21.20	16.32	Pass	Peak	12	5149.500	-50.71	-41.20	9.51	Pass	AVG

802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



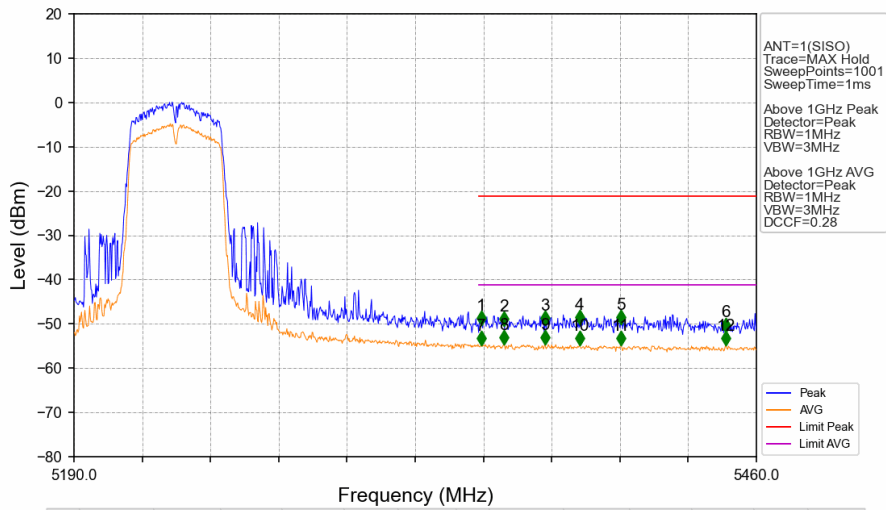
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5353.440	-47.39	-21.20	26.19	Pass	Peak	7	5353.440	-54.20	-41.20	13.00	Pass	AVG
2	5363.520	-49.00	-21.20	27.80	Pass	Peak	8	5363.520	-54.41	-41.20	13.21	Pass	AVG
3	5380.800	-49.86	-21.20	28.66	Pass	Peak	9	5380.800	-54.65	-41.20	13.45	Pass	AVG
4	5394.000	-50.56	-21.20	29.36	Pass	Peak	10	5394.000	-54.50	-41.20	13.30	Pass	AVG
5	5401.440	-49.92	-21.20	28.72	Pass	Peak	11	5401.440	-54.48	-41.20	13.28	Pass	AVG
6	5409.840	-51.16	-21.20	29.96	Pass	Peak	12	5409.840	-54.70	-41.20	13.50	Pass	AVG

802.11n(HT40) LCH 5190MHz Ant1 NTV



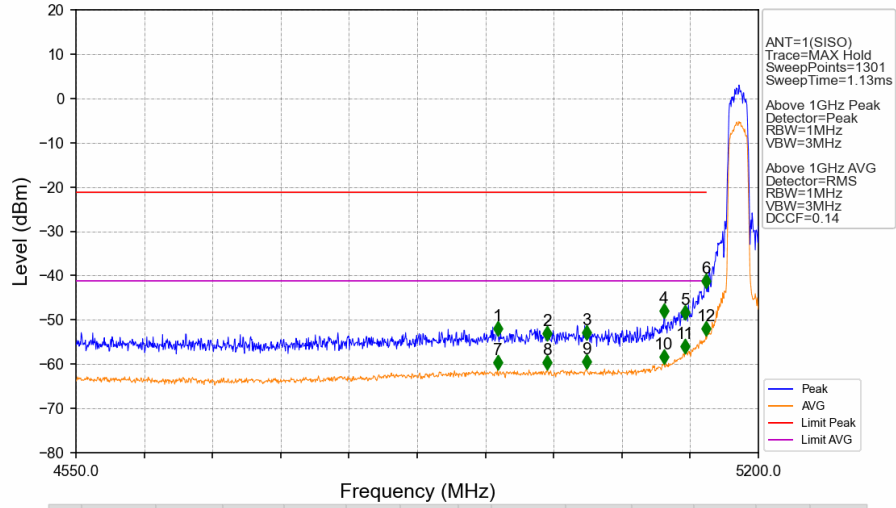
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4929.000	-54.39	-21.20	33.19	Pass	Peak	7	4929.000	-58.72	-41.20	17.52	Pass	AVG
2	4984.500	-54.06	-21.20	32.86	Pass	Peak	8	4984.500	-58.67	-41.20	17.47	Pass	AVG
3	5032.000	-54.59	-21.20	33.39	Pass	Peak	9	5032.000	-58.46	-41.20	17.26	Pass	AVG
4	5106.000	-54.87	-21.20	33.67	Pass	Peak	10	5106.000	-58.46	-41.20	17.26	Pass	AVG
5	5128.000	-52.99	-21.20	31.79	Pass	Peak	11	5128.000	-57.86	-41.20	16.66	Pass	AVG
6	5149.500	-49.23	-21.20	28.03	Pass	Peak	12	5149.500	-54.94	-41.20	13.74	Pass	AVG

802.11n(HT40) HCH 5230MHz Ant1 NTV



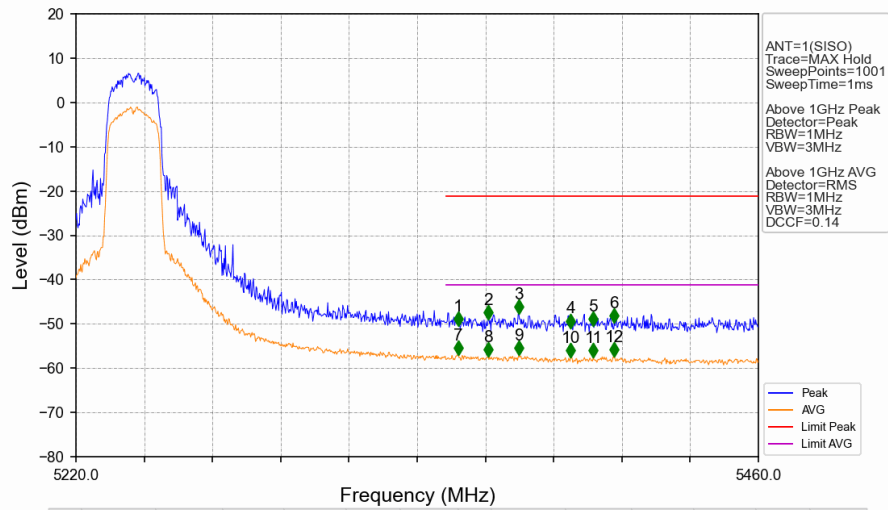
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5351.190	-50.28	-21.20	29.08	Pass	Peak	7	5351.190	-54.82	-41.20	13.62	Pass	AVG
2	5360.100	-50.35	-21.20	29.15	Pass	Peak	8	5360.100	-54.56	-41.20	13.36	Pass	AVG
3	5376.300	-50.24	-21.20	29.04	Pass	Peak	9	5376.300	-54.67	-41.20	13.47	Pass	AVG
4	5390.070	-50.04	-21.20	28.84	Pass	Peak	10	5390.070	-54.88	-41.20	13.68	Pass	AVG
5	5406.270	-50.07	-21.20	28.87	Pass	Peak	11	5406.270	-54.84	-41.20	13.64	Pass	AVG
6	5447.850	-51.80	-21.20	30.60	Pass	Peak	12	5447.850	-54.88	-41.20	13.68	Pass	AVG

802.11ac(VHT20) LCH 5180MHz Ant1 NTN



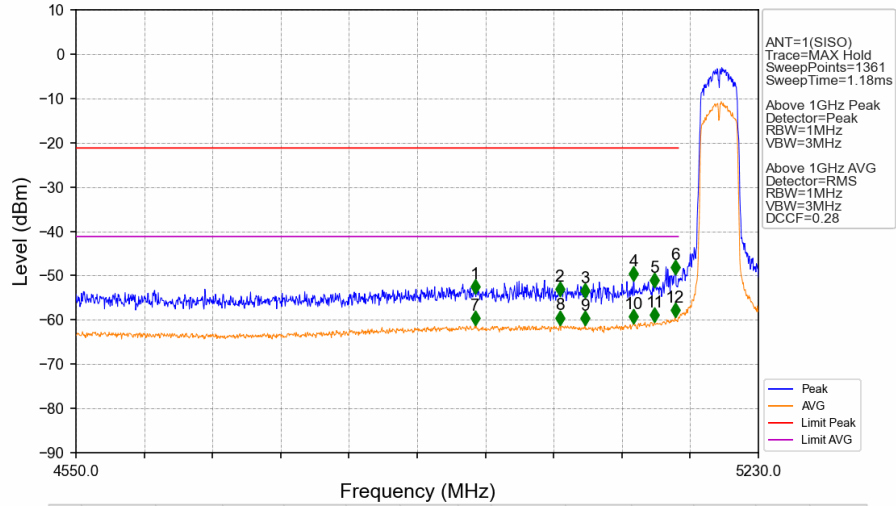
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4951.500	-53.60	-21.20	32.40	Pass	Peak	7	4951.500	-61.21	-41.20	20.01	Pass	AVG
2	4999.000	-54.71	-21.20	33.51	Pass	Peak	8	4999.000	-61.10	-41.20	19.90	Pass	AVG
3	5036.000	-54.38	-21.20	33.18	Pass	Peak	9	5036.000	-61.03	-41.20	19.83	Pass	AVG
4	5110.000	-49.51	-21.20	28.31	Pass	Peak	10	5110.000	-59.90	-41.20	18.70	Pass	AVG
5	5130.000	-49.97	-21.20	28.77	Pass	Peak	11	5130.000	-57.62	-41.20	16.42	Pass	AVG
6	5150.000	-42.71	-21.20	21.51	Pass	Peak	12	5150.000	-53.59	-41.20	12.39	Pass	AVG

802.11ac(VHT20) HCH 5240MHz Ant1 NTN



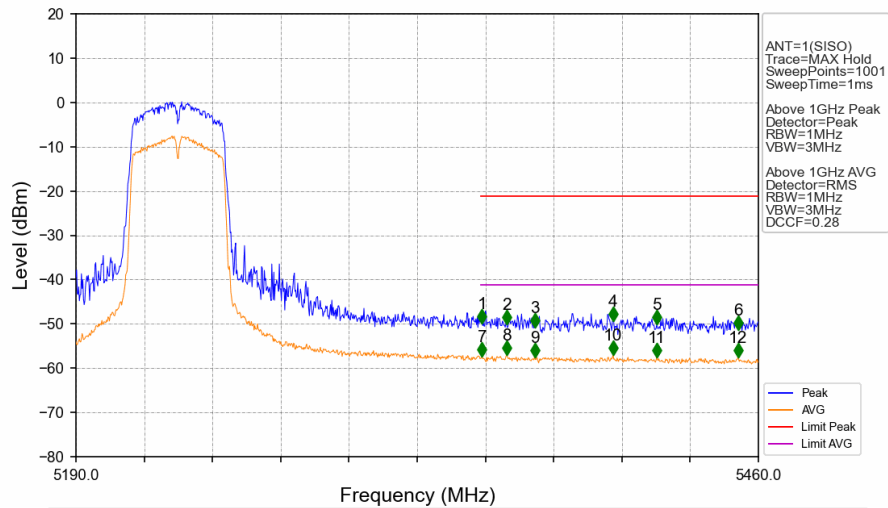
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5354.400	-50.36	-21.20	29.16	Pass	Peak	7	5354.400	-56.92	-41.20	15.72	Pass	AVG
2	5364.960	-48.94	-21.20	27.74	Pass	Peak	8	5364.960	-57.27	-41.20	16.07	Pass	AVG
3	5375.760	-47.73	-21.20	26.53	Pass	Peak	9	5375.760	-57.06	-41.20	15.86	Pass	AVG
4	5394.000	-50.89	-21.20	29.69	Pass	Peak	10	5394.000	-57.47	-41.20	16.27	Pass	AVG
5	5401.920	-50.49	-21.20	29.29	Pass	Peak	11	5401.920	-57.55	-41.20	16.35	Pass	AVG
6	5409.360	-49.72	-21.20	28.52	Pass	Peak	12	5409.360	-57.28	-41.20	16.08	Pass	AVG

802.11ac(VHT40) LCH 5190MHz Ant1 NTN



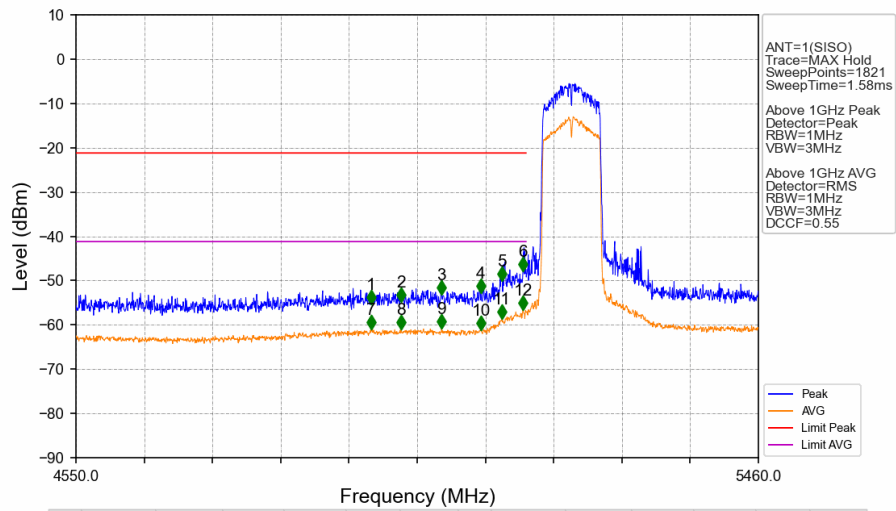
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4947.500	-54.13	-21.20	32.93	Pass	Peak	7	4947.500	-61.22	-41.20	20.02	Pass	AVG
2	5032.000	-54.55	-21.20	33.35	Pass	Peak	8	5032.000	-61.07	-41.20	19.87	Pass	AVG
3	5057.000	-54.90	-21.20	33.70	Pass	Peak	9	5057.000	-61.25	-41.20	20.05	Pass	AVG
4	5105.500	-51.22	-21.20	30.02	Pass	Peak	10	5105.500	-60.80	-41.20	19.60	Pass	AVG
5	5126.500	-52.60	-21.20	31.40	Pass	Peak	11	5126.500	-60.46	-41.20	19.26	Pass	AVG
6	5147.000	-49.66	-21.20	28.46	Pass	Peak	12	5147.000	-59.42	-41.20	18.22	Pass	AVG

802.11ac(VHT40) HCH 5230MHz Ant1 NTN

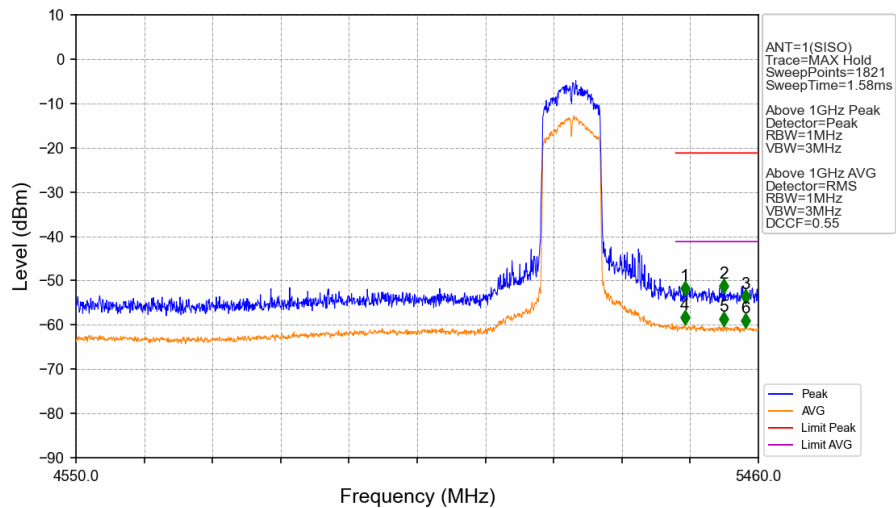


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5350.650	-49.84	-21.20	28.64	Pass	Peak	7	5350.650	-57.33	-41.20	16.13	Pass	AVG
2	5360.370	-50.01	-21.20	28.81	Pass	Peak	8	5360.370	-57.04	-41.20	15.84	Pass	AVG
3	5371.440	-50.76	-21.20	29.56	Pass	Peak	9	5371.440	-57.50	-41.20	16.30	Pass	AVG
4	5402.490	-49.38	-21.20	28.18	Pass	Peak	10	5402.490	-57.00	-41.20	15.80	Pass	AVG
5	5419.770	-50.15	-21.20	28.95	Pass	Peak	11	5419.770	-57.55	-41.20	16.35	Pass	AVG
6	5451.900	-51.36	-21.20	30.16	Pass	Peak	12	5451.900	-57.52	-41.20	16.32	Pass	AVG

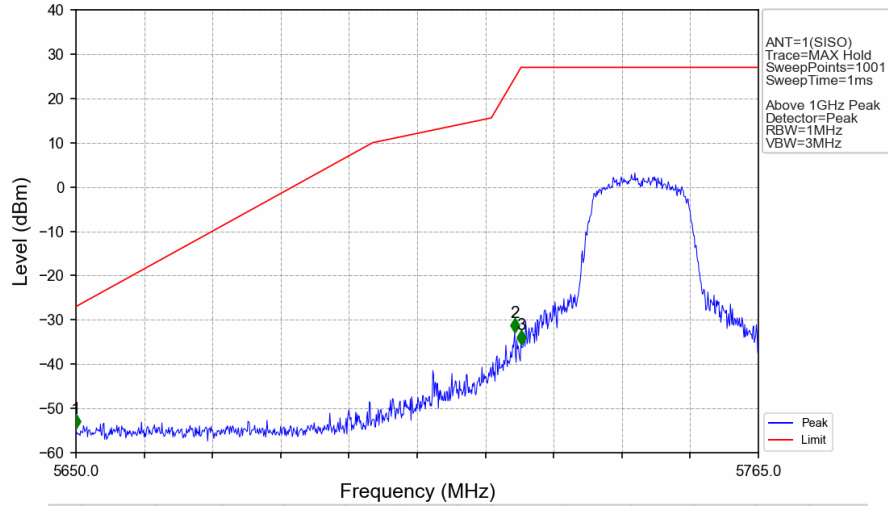
802.11ac(VHT80) MCH 5210MHz Ant1 NTN



802.11ac(VHT80) MCH_5210MHz_Ant1_NTNV

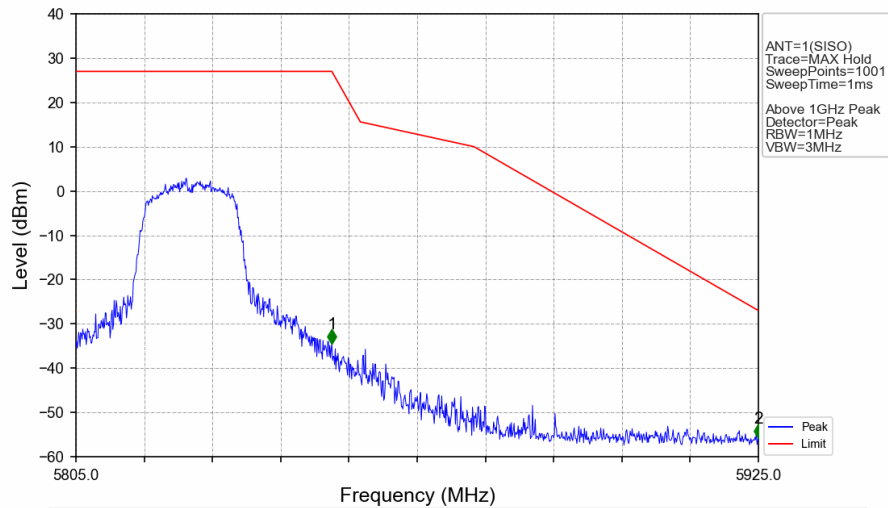


802.11a LCH 5745MHz Ant1 NTN



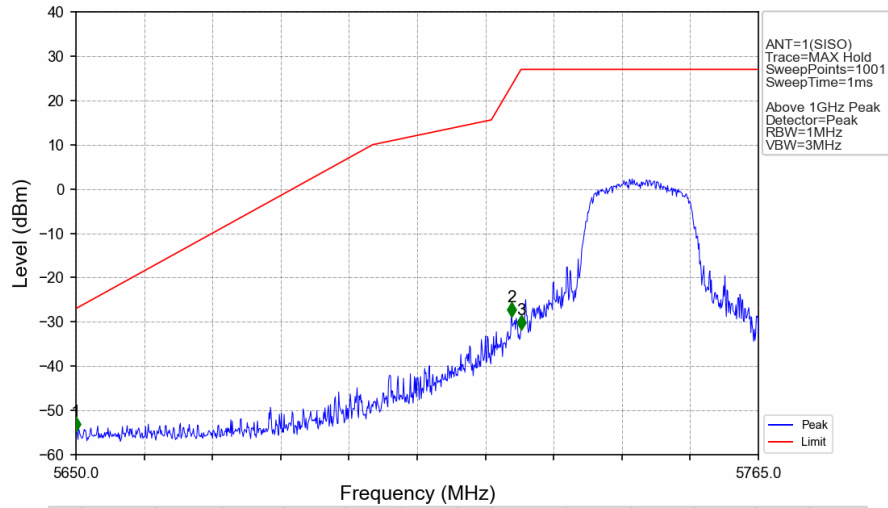
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5650.000	-52.53	-27.00	25.53	Pass	Peak	3	5725.000	-33.59	27.00	60.59	Pass	Peak
2	5723.945	-30.73	24.59	55.32	Pass	Peak							

802.11a HCH 5825MHz Ant1 NTN

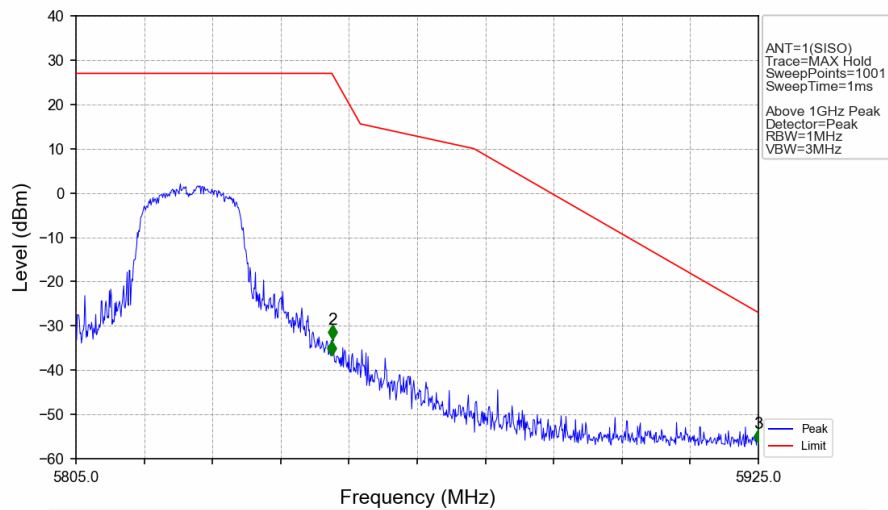


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5850.000	-32.47	27.00	59.47	Pass	Peak	2	5925.000	-53.79	-27.00	26.79	Pass	Peak

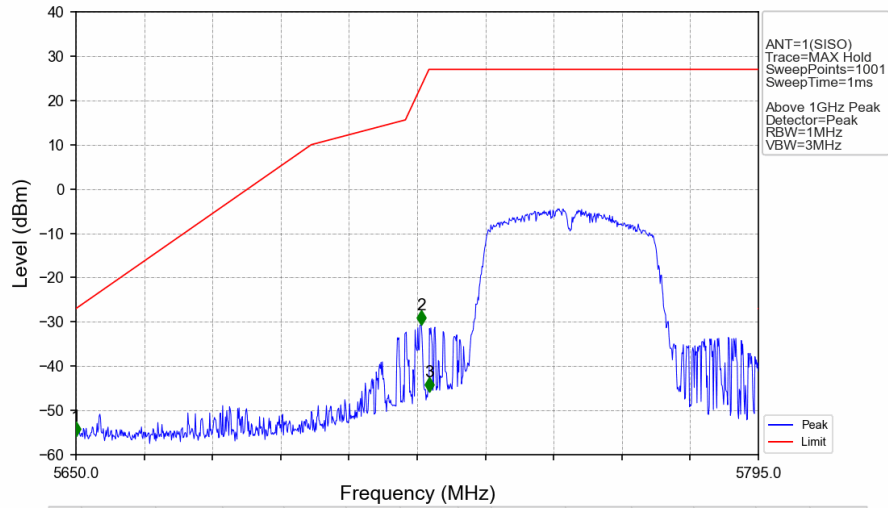
802.11n(HT20) LCH 5745MHz Ant1 NTN



802.11n(HT20) HCH 5825MHz Ant1 NTN

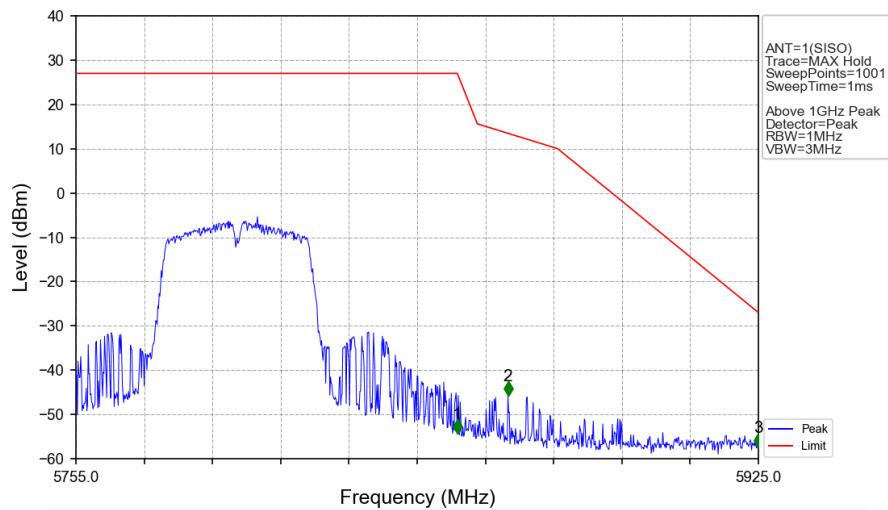


802.11n(HT40) LCH 5755MHz Ant1 NTV



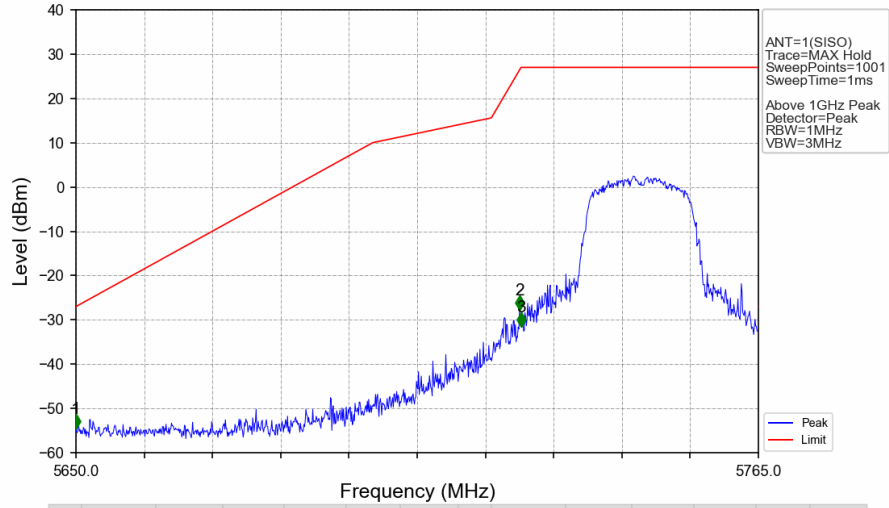
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5650.000	-53.74	-27.00	26.74	Pass	Peak	3	5725.000	-43.73	27.00	70.73	Pass	Peak
2	5723.370	-28.59	23.28	51.87	Pass	Peak							

802.11n(HT40) HCH 5795MHz Ant1 NTV



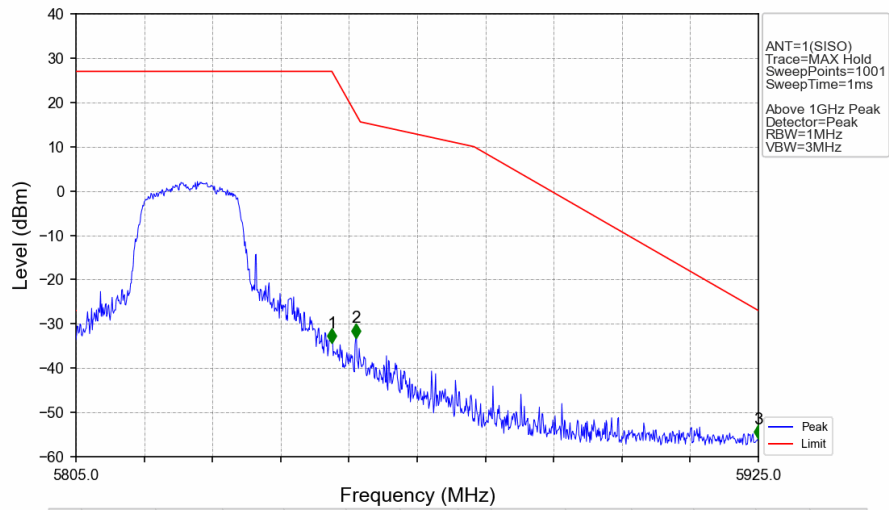
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5850.000	-52.36	27.00	79.36	Pass	Peak	3	5925.000	-55.43	-27.00	28.43	Pass	Peak
2	5862.610	-43.67	13.47	57.14	Pass	Peak							

802.11ac(VHT20) LCH 5745MHz Ant1 NTN



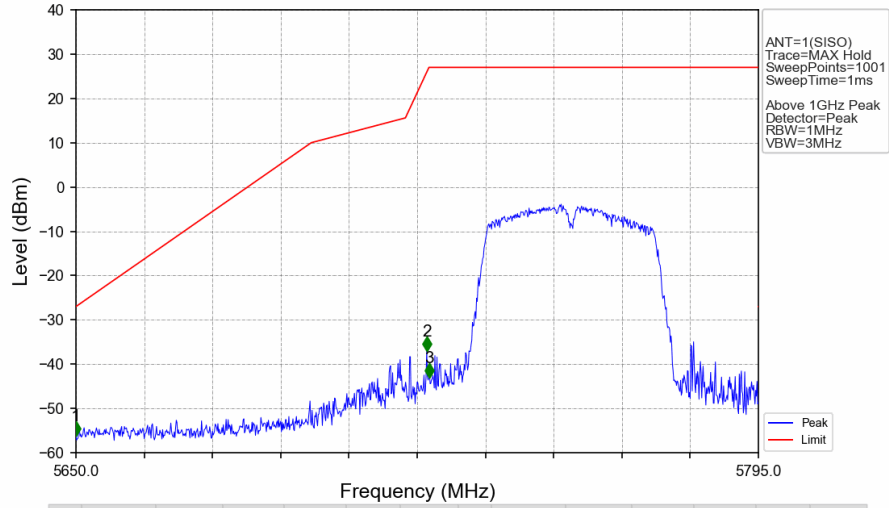
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5650.000	-52.46	-27.00	25.46	Pass	Peak	3	5725.000	-29.53	27.00	56.53	Pass	Peak
2	5724.750	-25.79	26.43	52.22	Pass	Peak							

802.11ac(VHT20) HCH 5825MHz Ant1 NTN

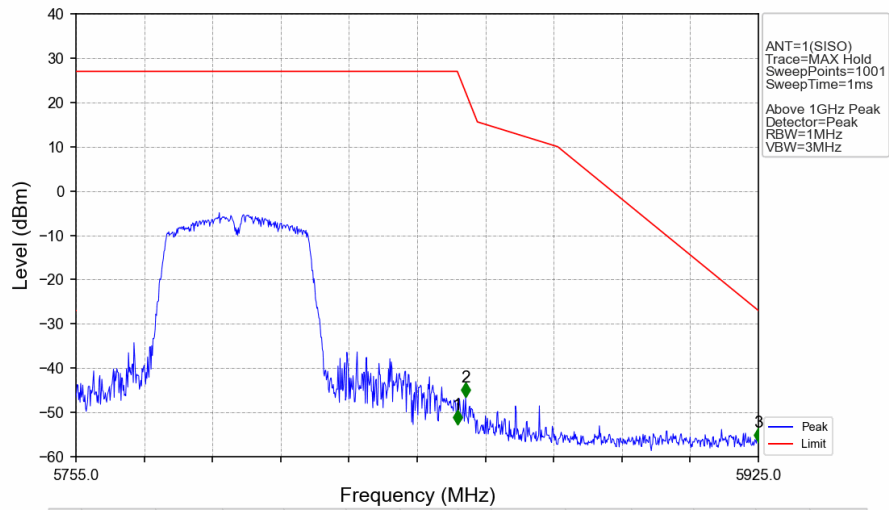


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5850.000	-32.25	27.00	59.25	Pass	Peak	3	5925.000	-53.92	-27.00	26.92	Pass	Peak
2	5854.200	-31.08	17.42	48.50	Pass	Peak							

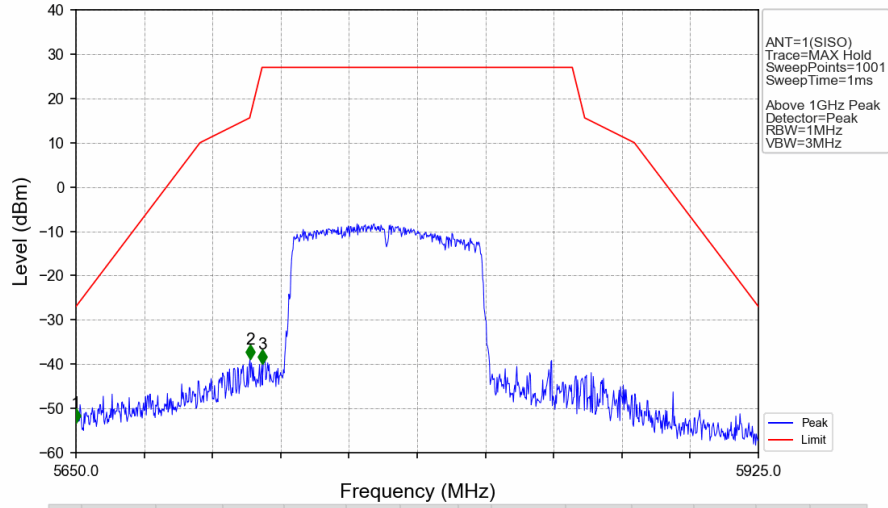
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



802.11ac(VHT40) HCH 5795MHz Ant1 NTN

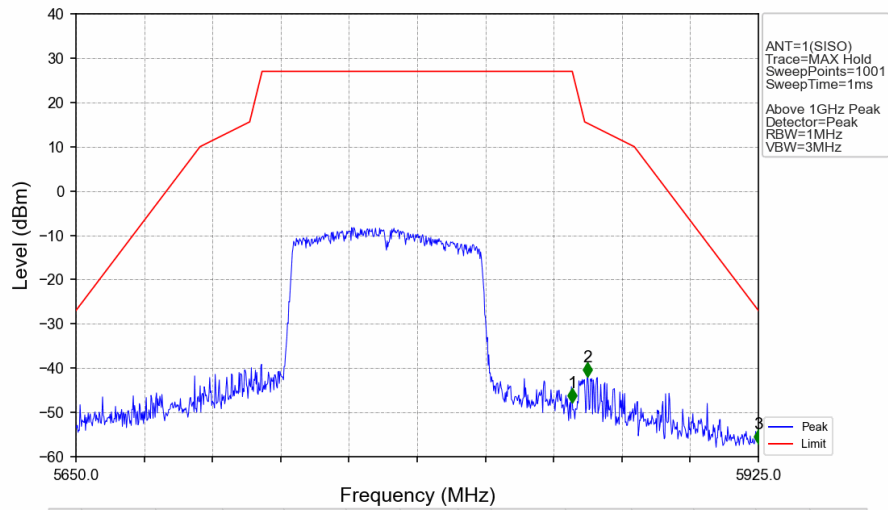


802.11ac(VHT80) MCH 5775MHz Ant1 NTN



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5650.000	-51.29	-27.00	24.29	Pass	Peak	3	5725.000	-37.88	27.00	64.88	Pass	Peak
2	5720.125	-36.83	15.88	52.72	Pass	Peak							

802.11ac(VHT80) MCH 5775MHz Ant1 NTN



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5850.000	-45.68	27.00	72.68	Pass	AVG	3	5925.000	-55.00	-27.00	28.00	Pass	AVG
2	5856.250	-39.92	15.25	55.17	Pass	AVG							