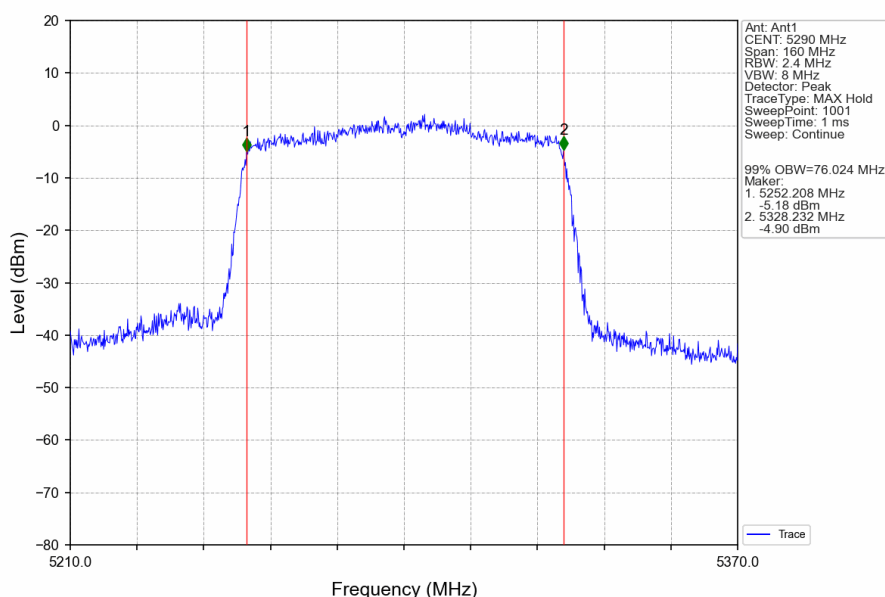
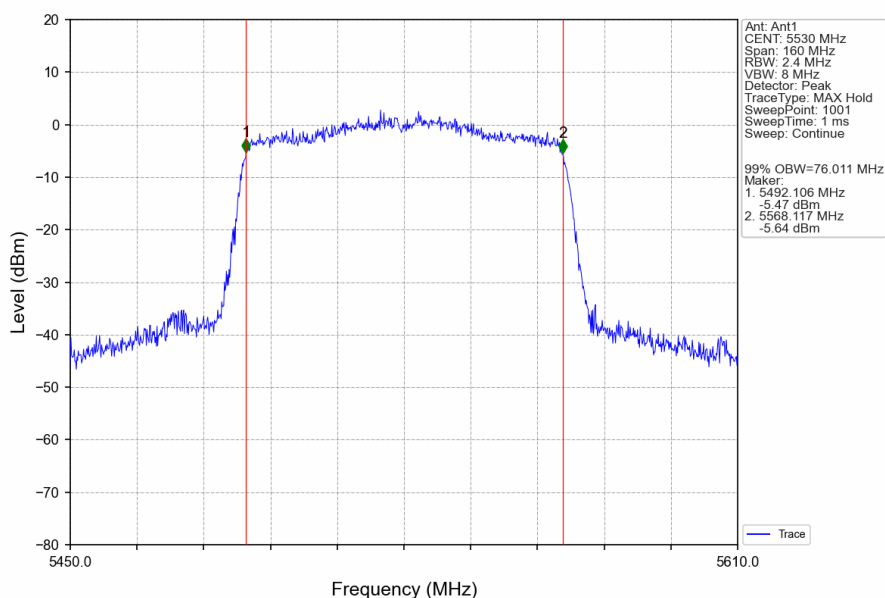


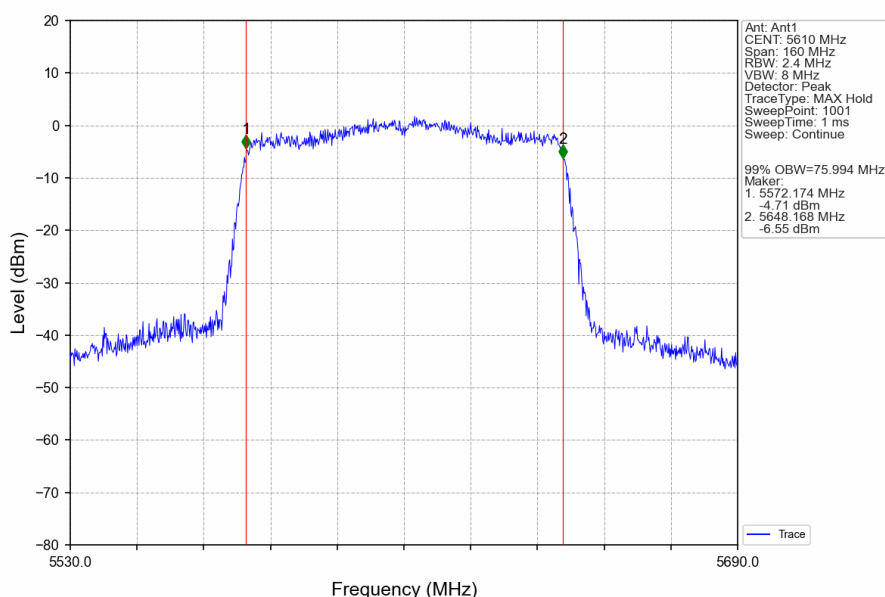
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



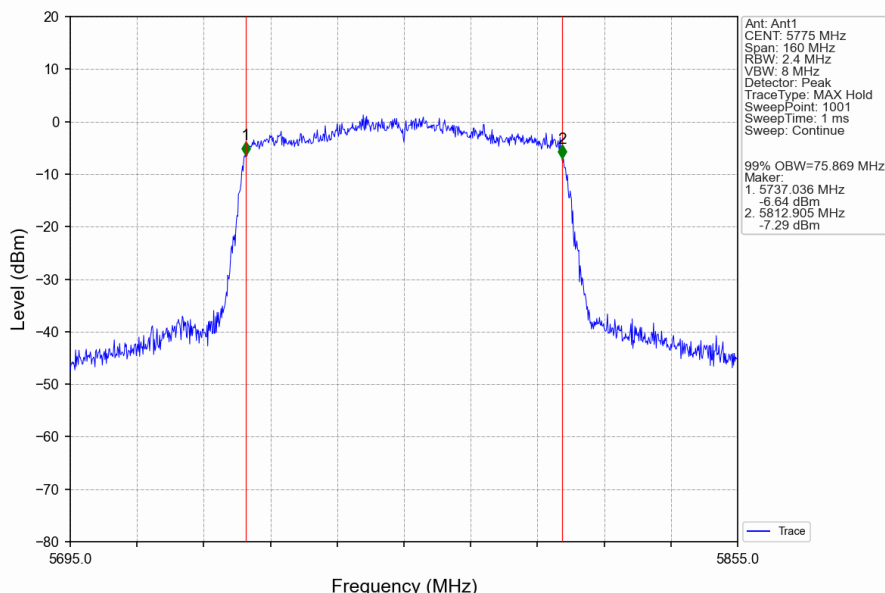
802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



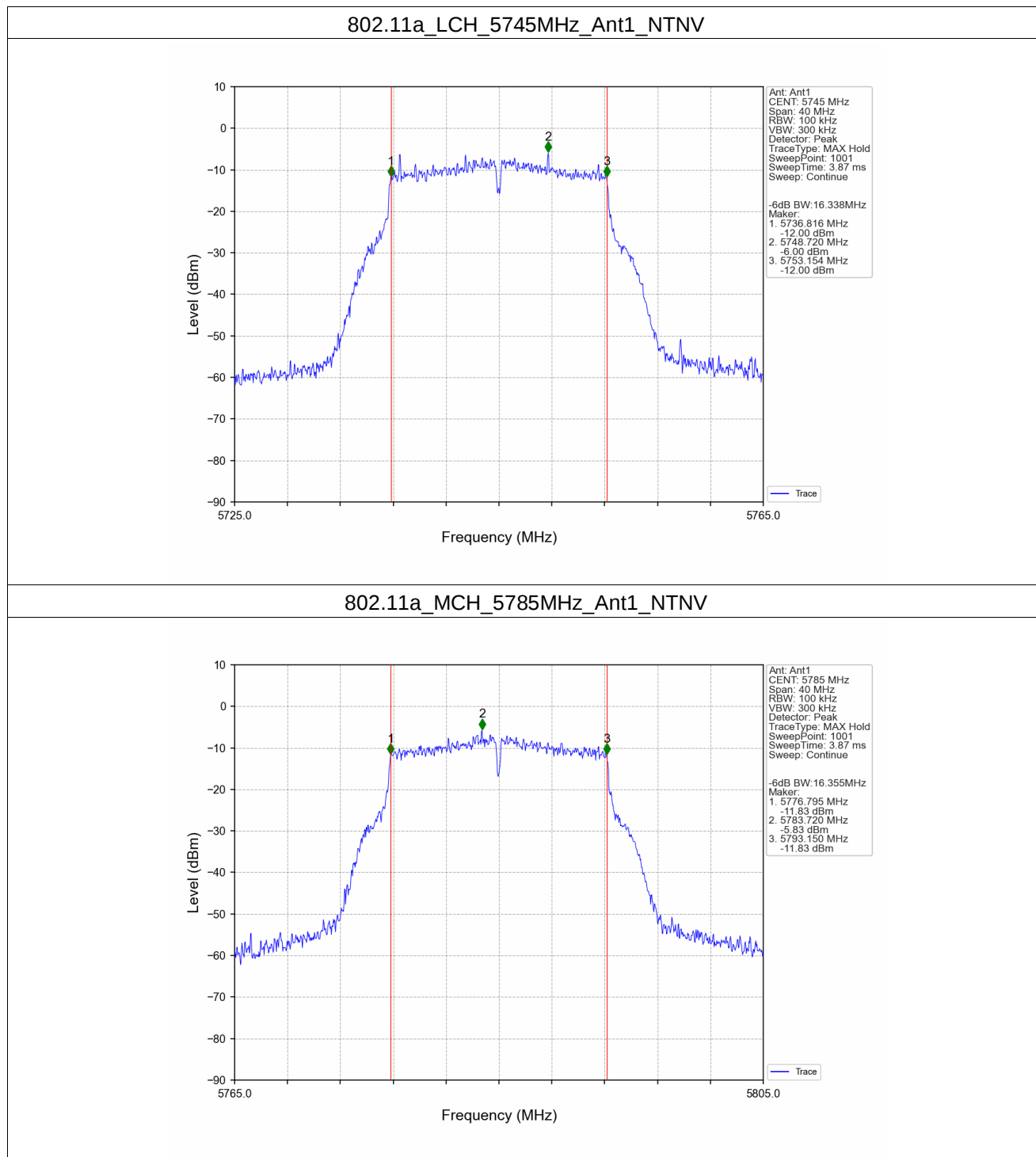
802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



2.2.2 6dB BW



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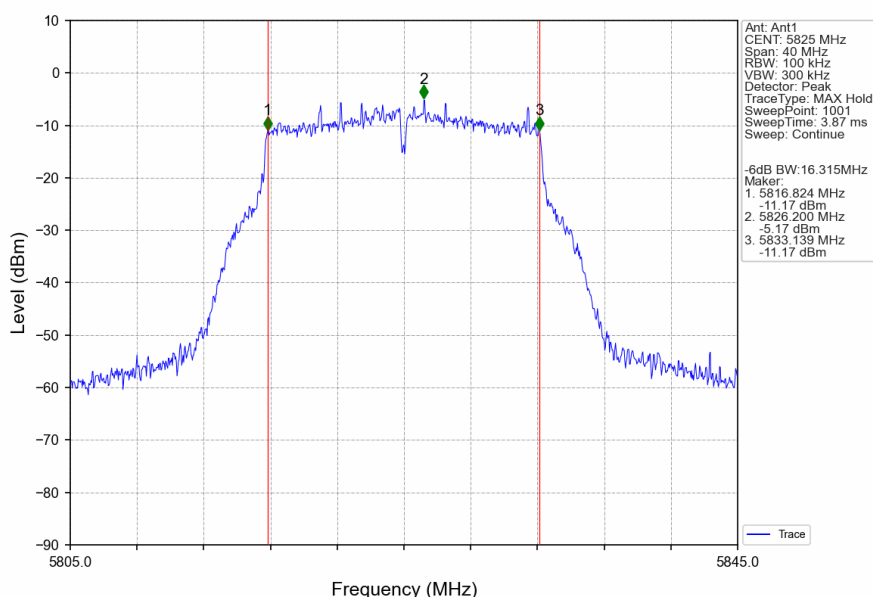
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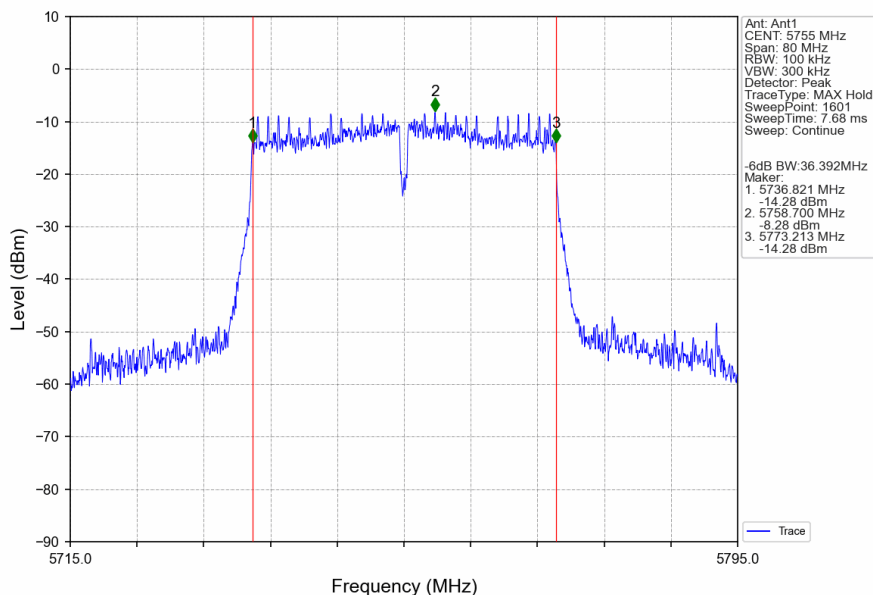
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

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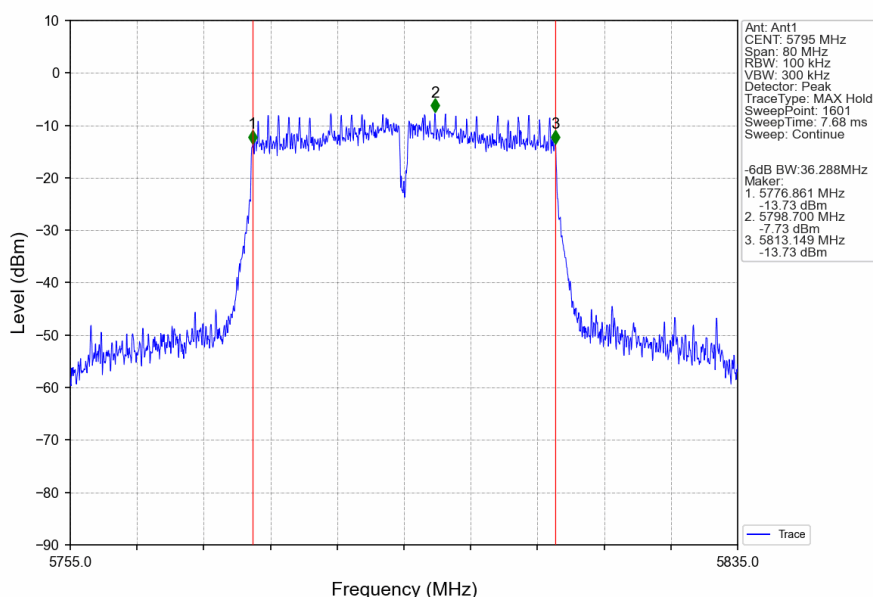
802.11a_HCH_5825MHz_Ant1_NTNV



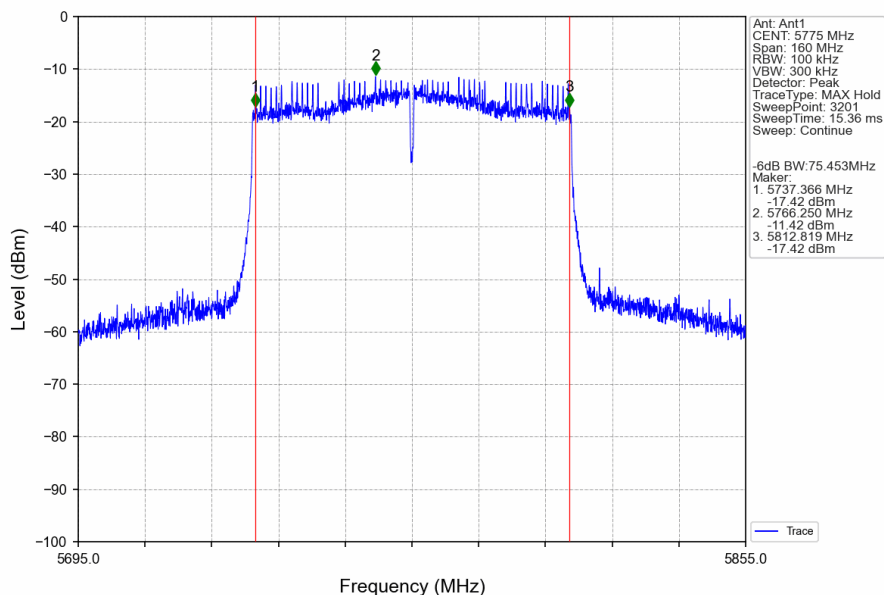
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



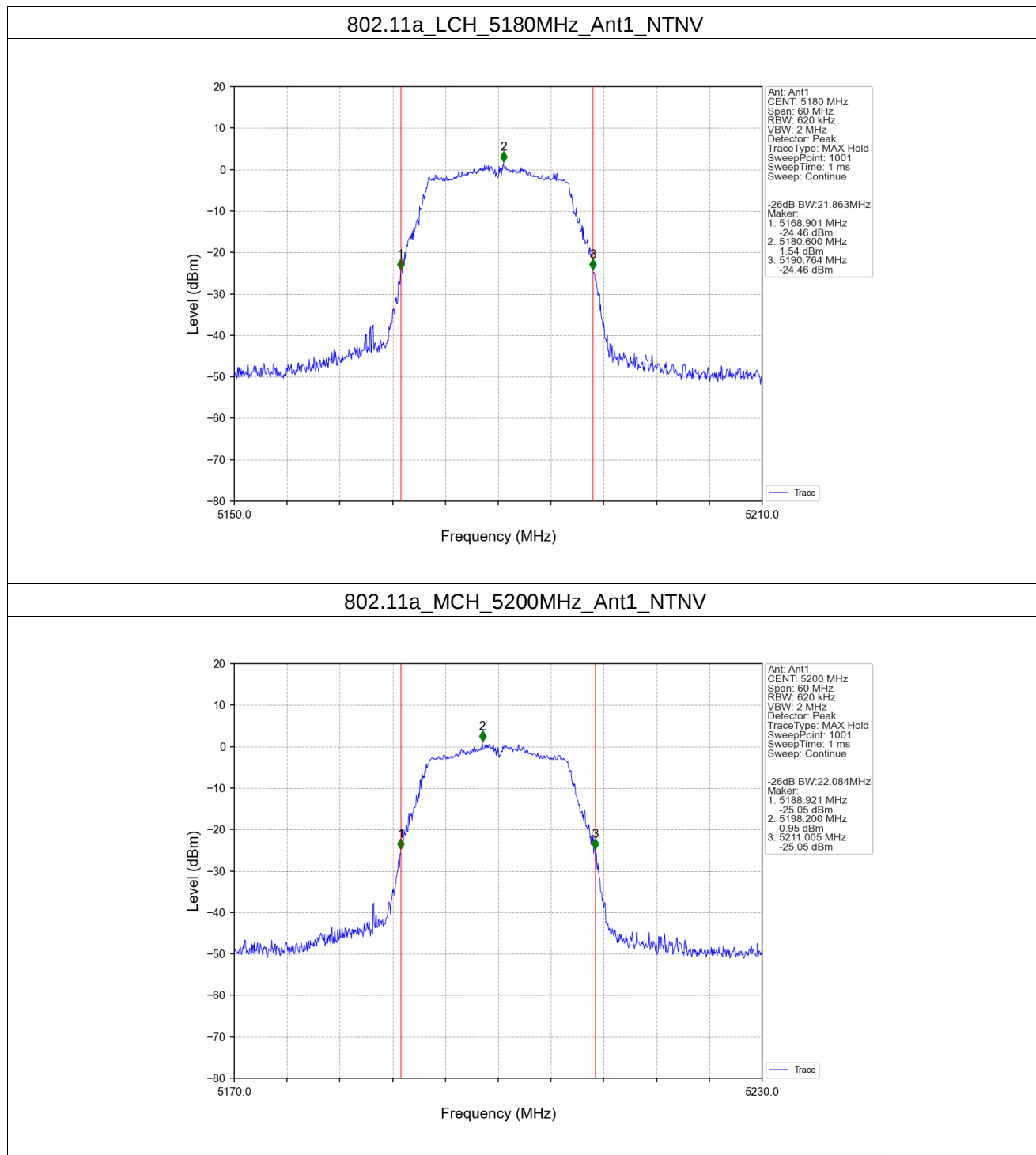
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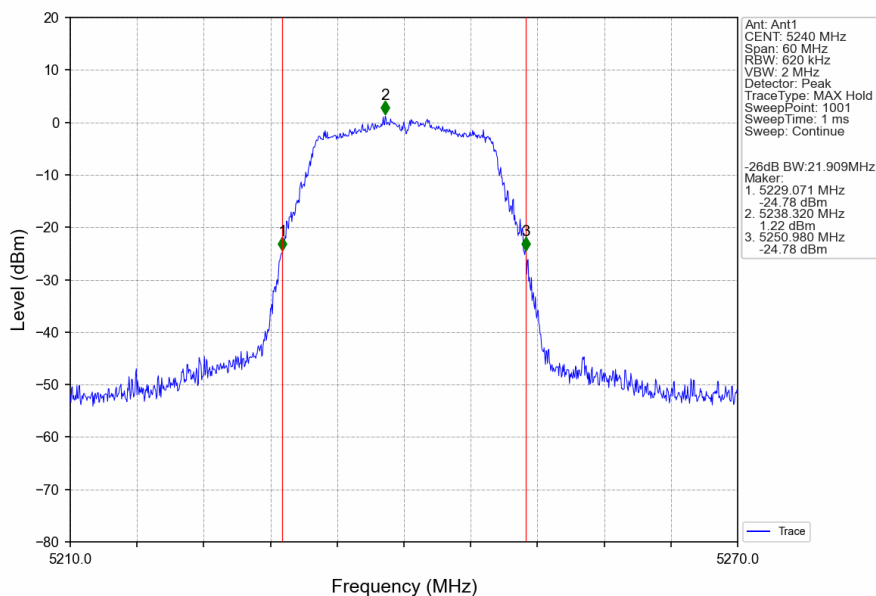
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



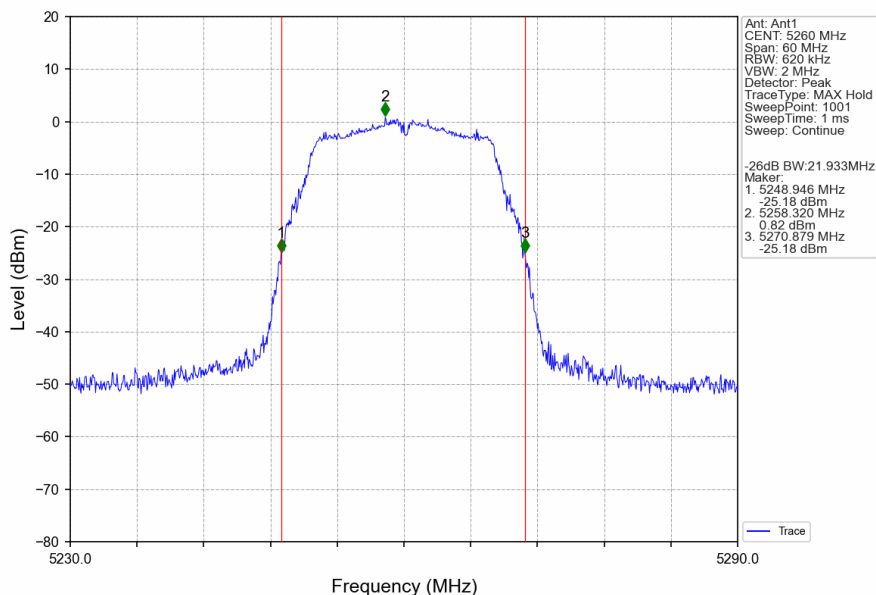
2.2.3 26dB BW



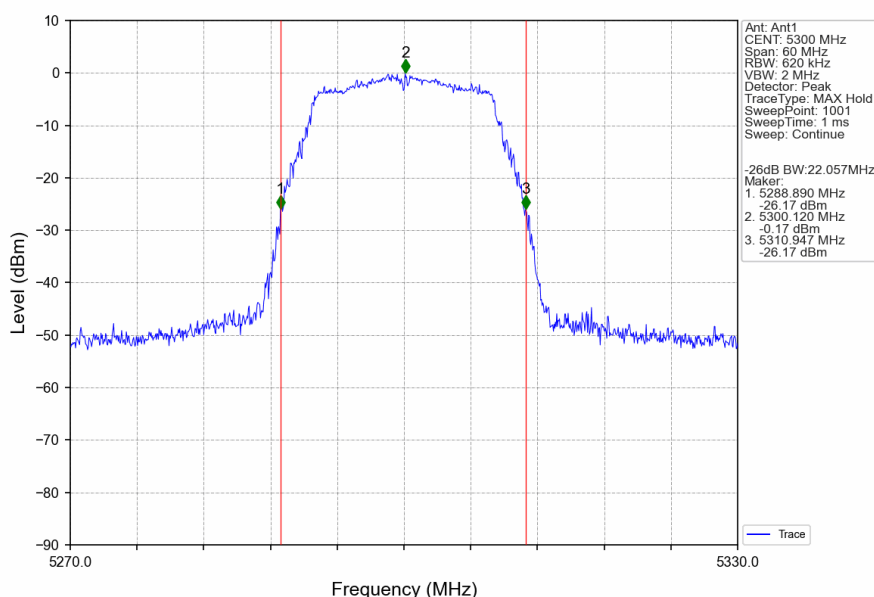
802.11a_HCH_5240MHz_Ant1_NTNV



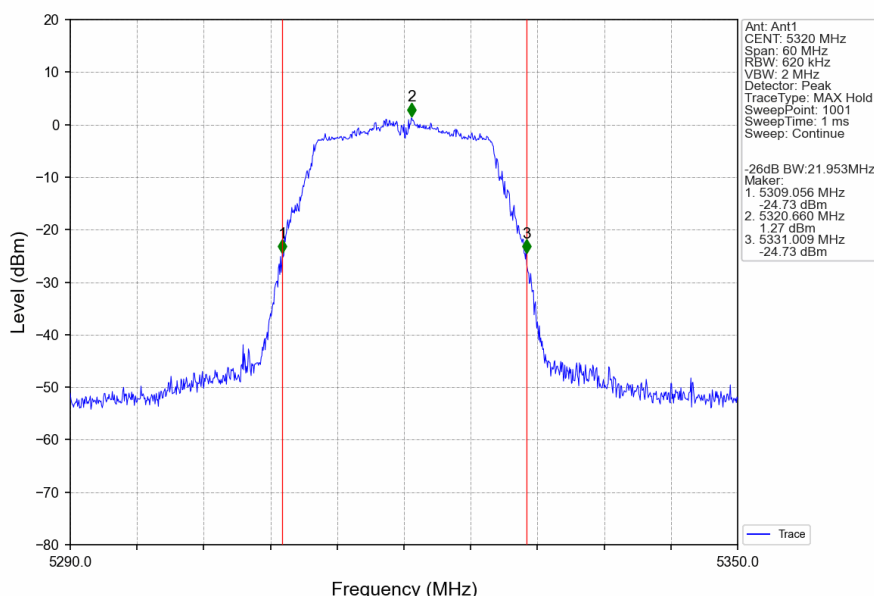
802.11a_LCH_5260MHz_Ant1_NTNV



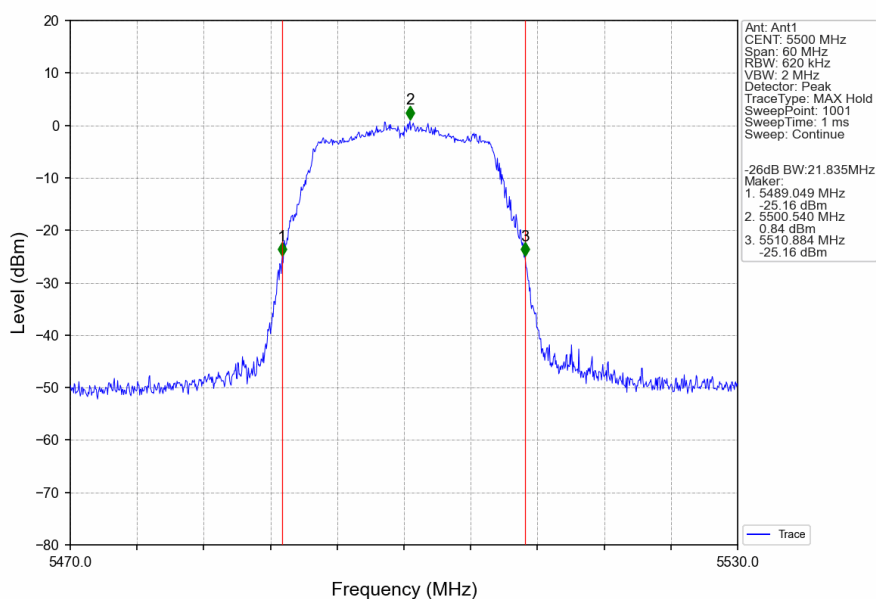
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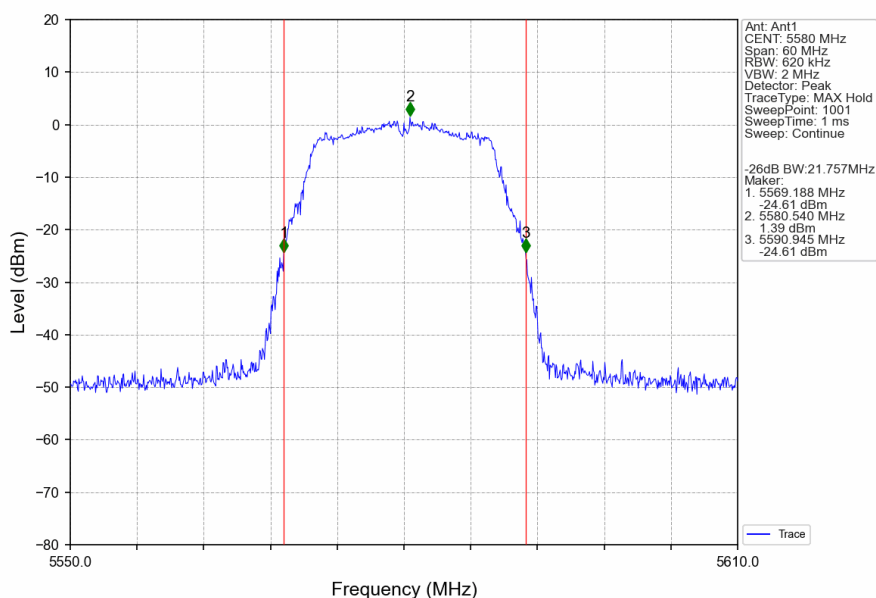
802.11a_HCH_5320MHz_Ant1_NTNV



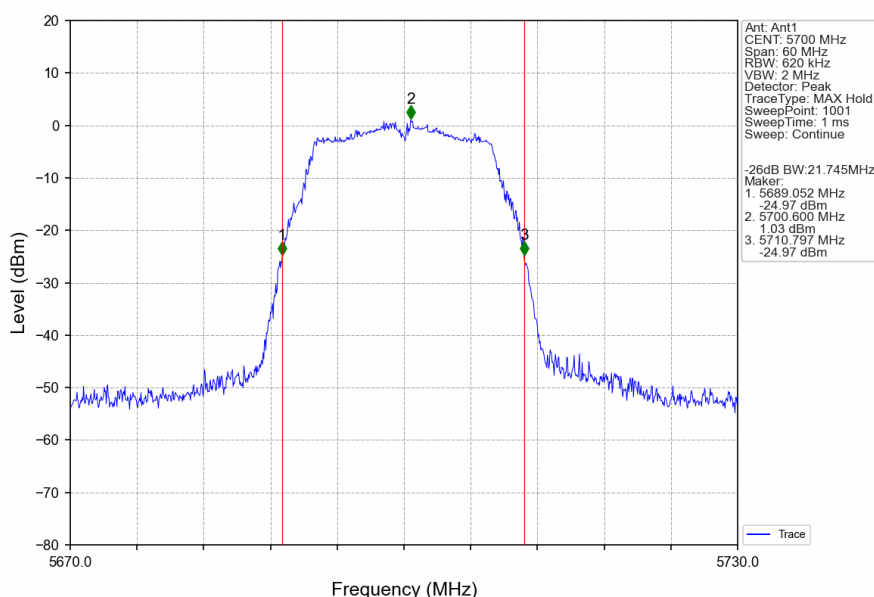
802.11a_LCH_5500MHz_Ant1_NTNV



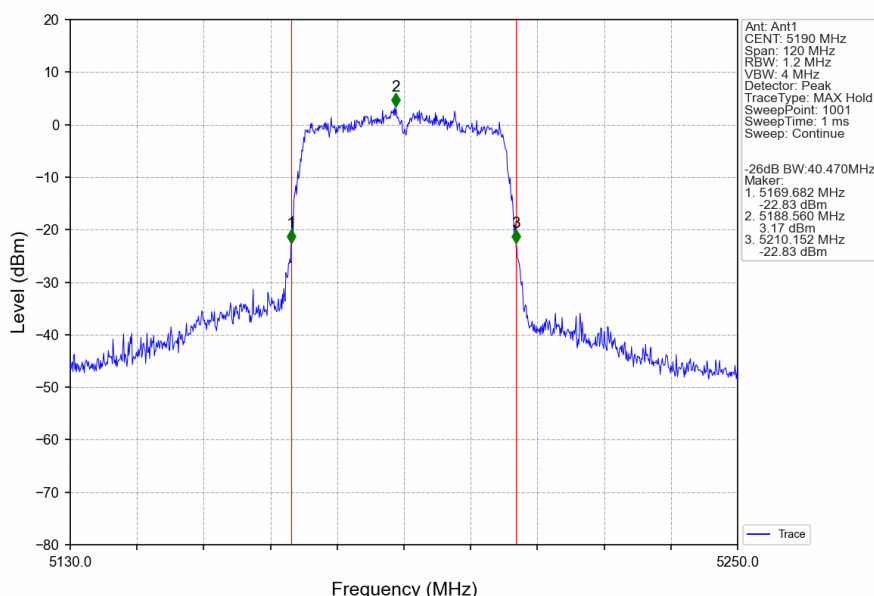
802.11a_MCH_5580MHz_Ant1_NTNV



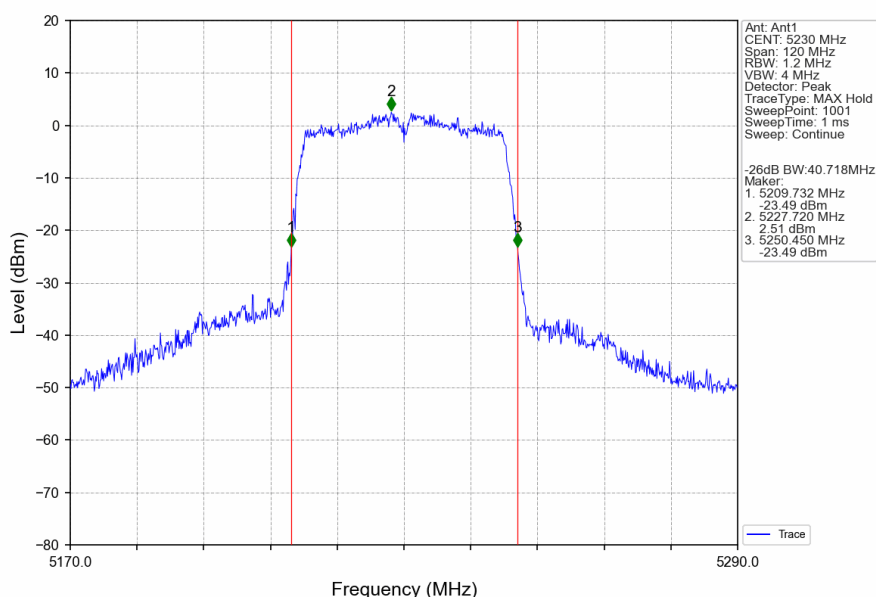
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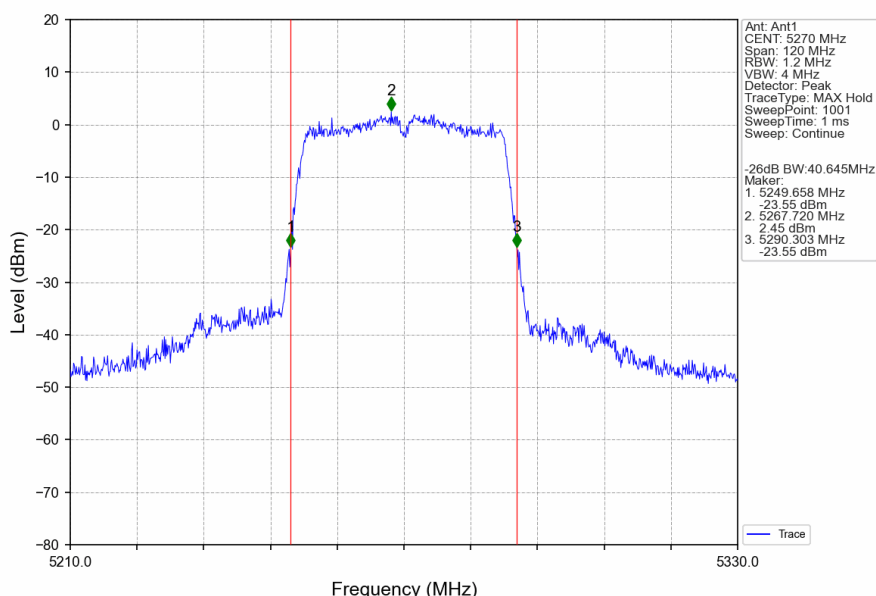
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



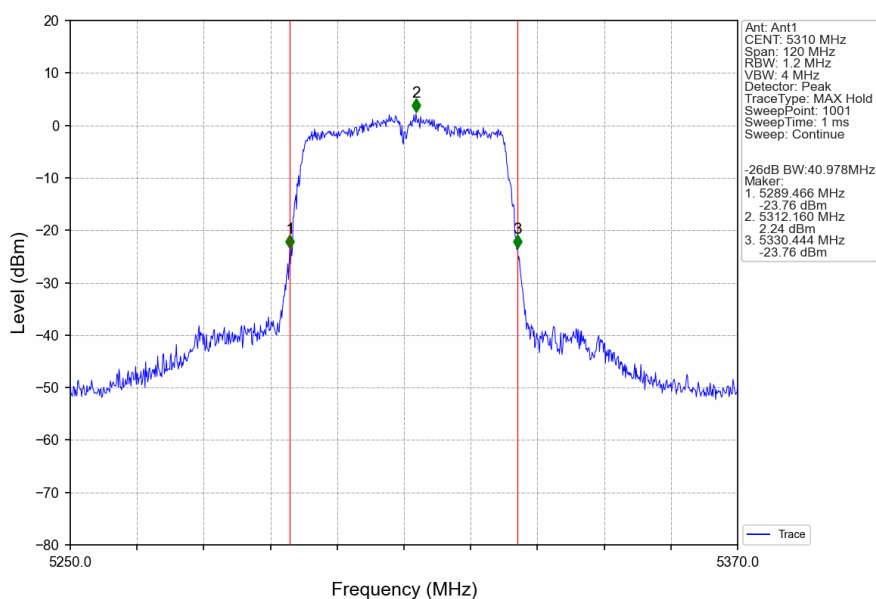
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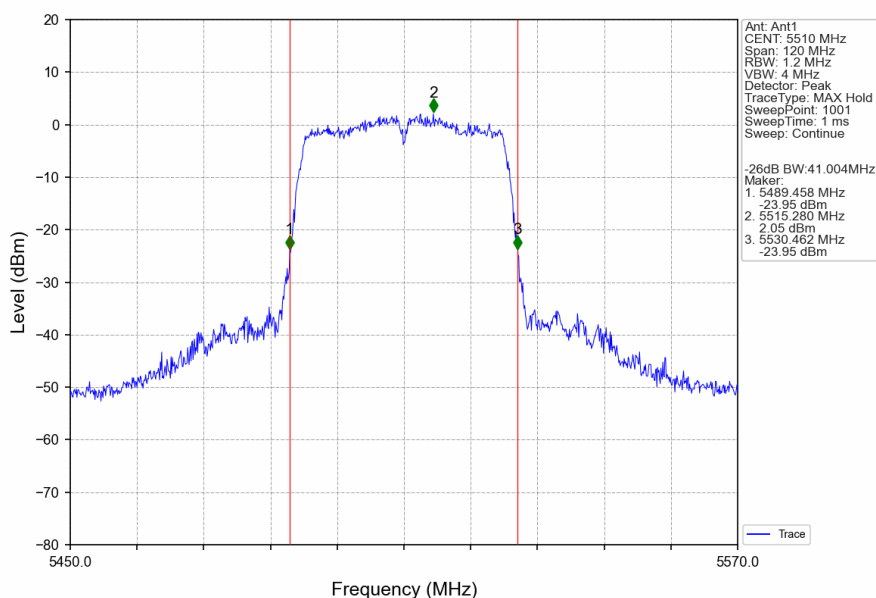
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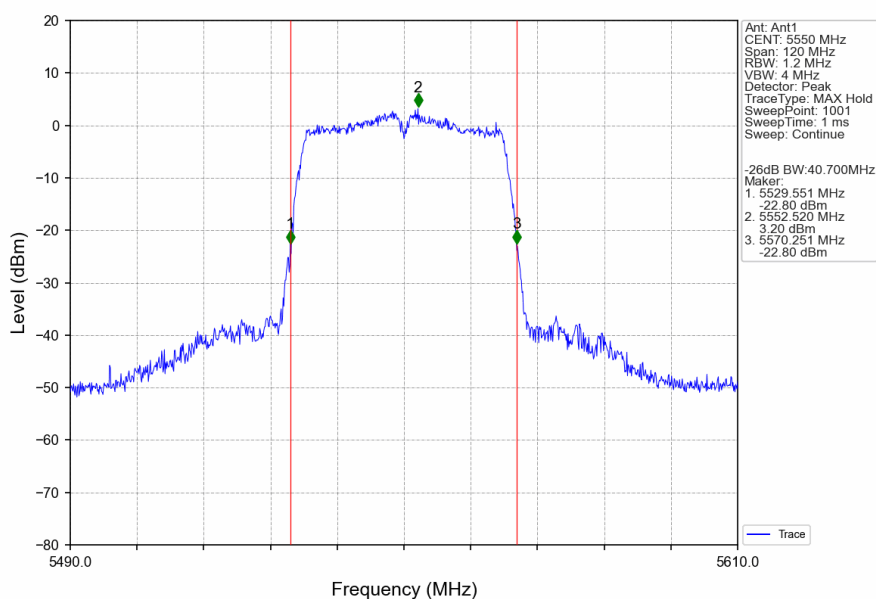
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



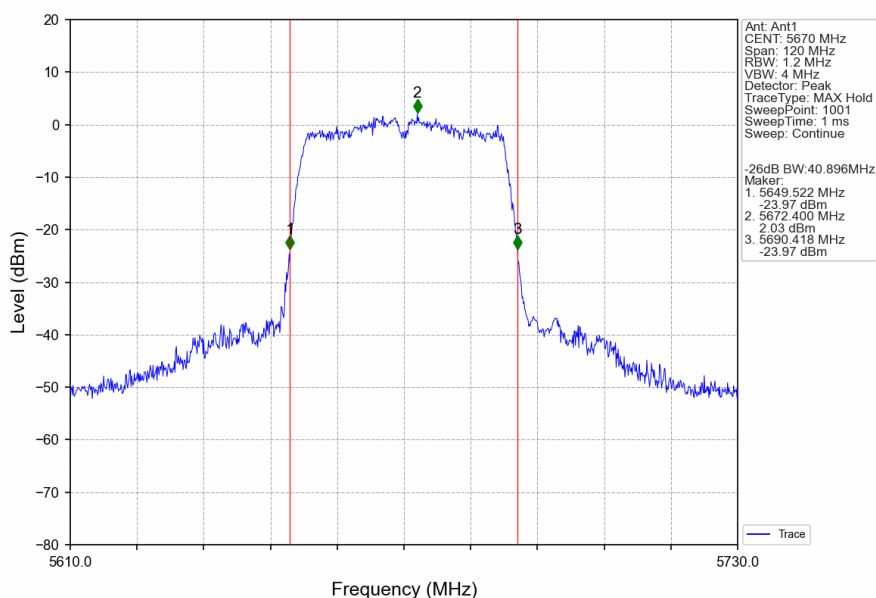
802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



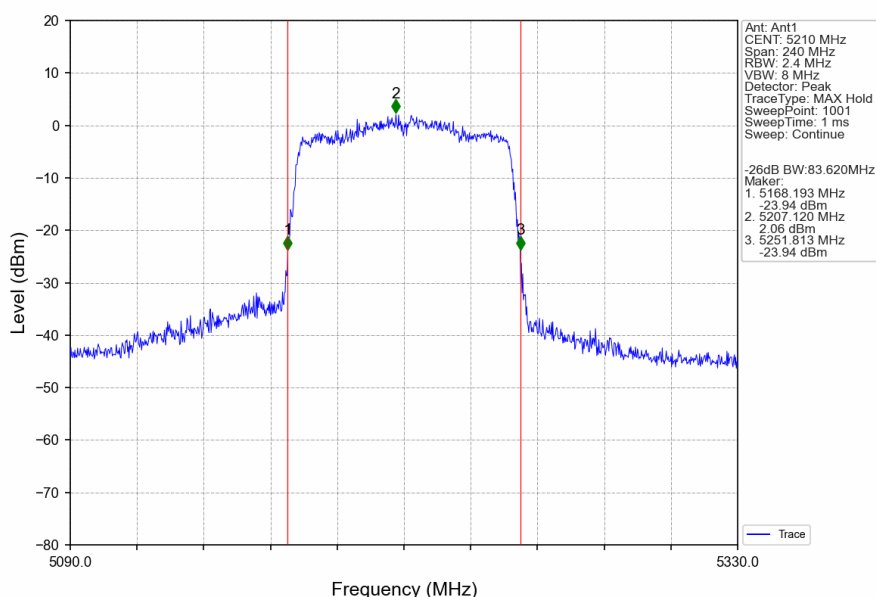
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



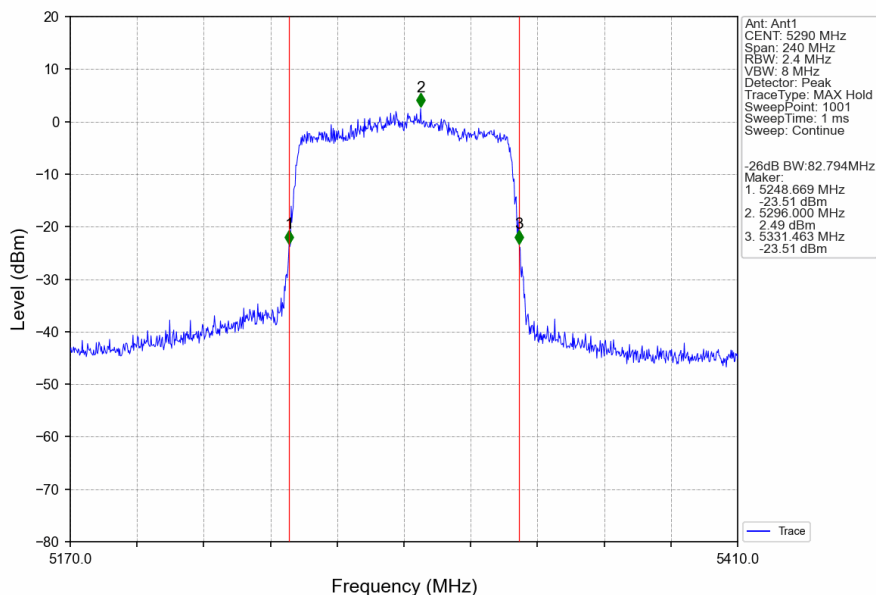
802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



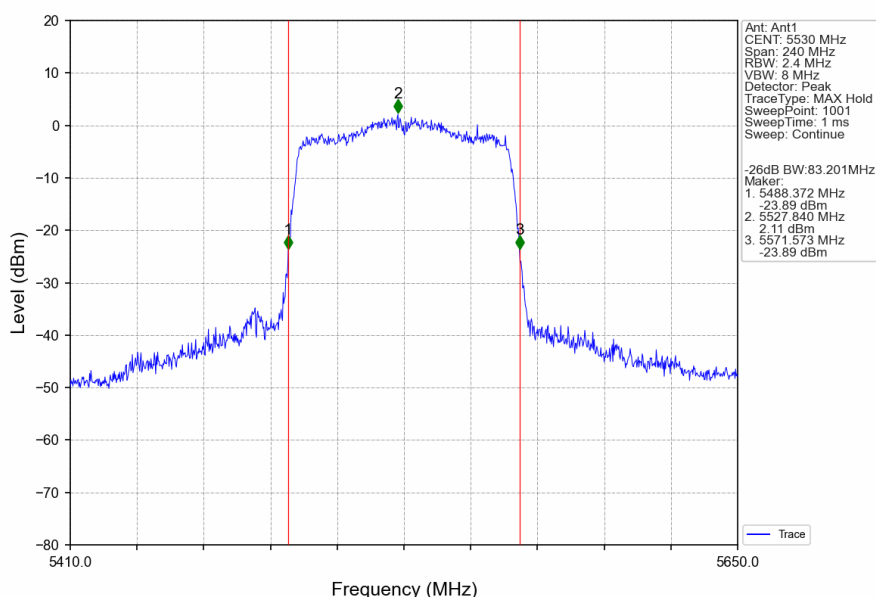
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



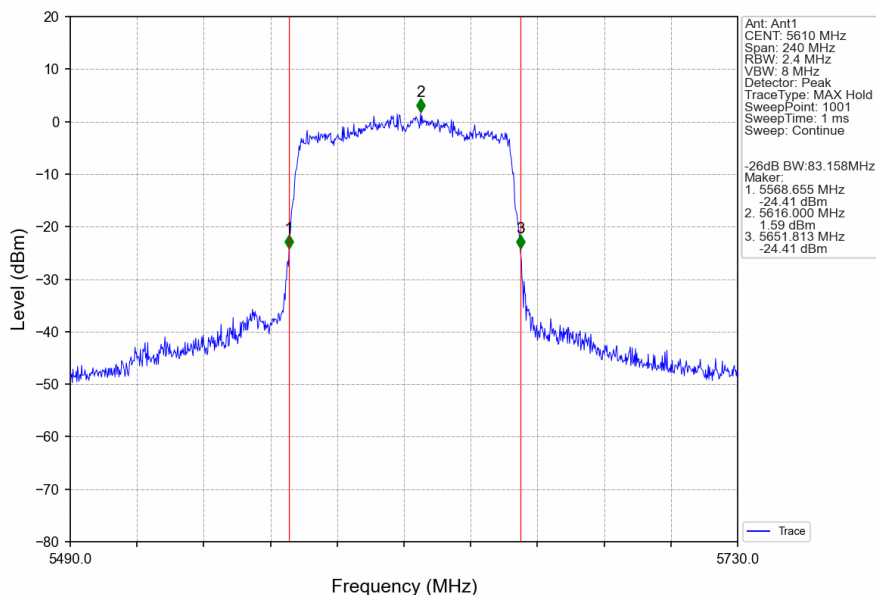
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

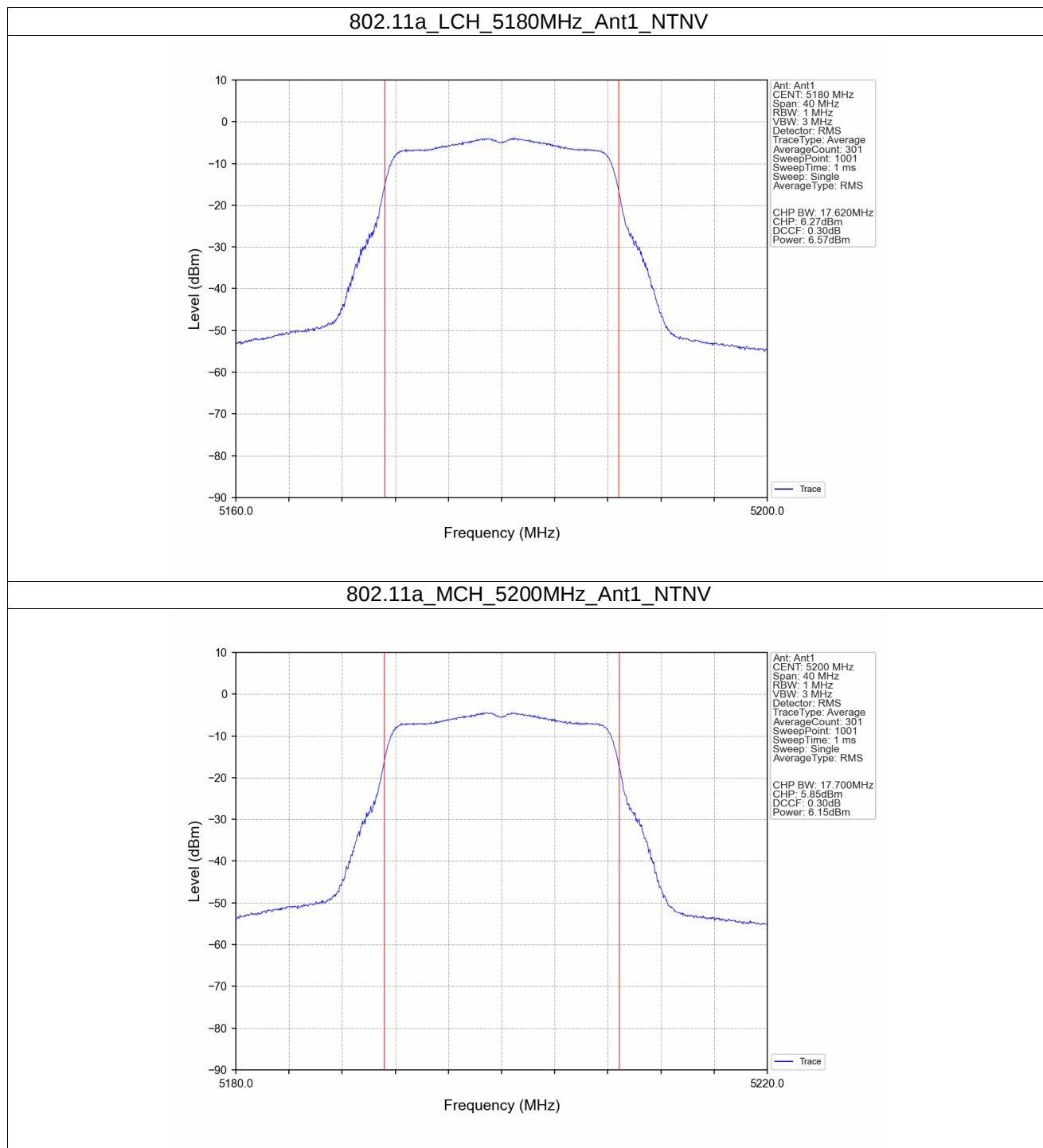
3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	6.57	<=23.98	Pass
		5200	6.15	<=23.98	Pass
		5240	5.96	<=23.98	Pass
		5260	5.91	<=23.98	Pass
		5300	5.35	<=23.98	Pass
		5320	6.15	<=23.98	Pass
		5500	5.76	<=23.98	Pass
		5580	6.27	<=23.98	Pass
		5700	5.81	<=23.98	Pass
		5745	5.63	<=30	Pass
		5785	5.86	<=30	Pass
		5825	6.00	<=30	Pass
802.11n (HT40)	SISO	5190	7.14	<=23.98	Pass
		5230	6.69	<=23.98	Pass
		5270	6.57	<=23.98	Pass
		5310	6.13	<=23.98	Pass
		5510	6.08	<=23.98	Pass
		5550	6.48	<=23.98	Pass
		5670	5.81	<=23.98	Pass
		5755	5.40	<=30	Pass
		5795	5.87	<=30	Pass
		5795	5.58	<=30	Pass
802.11ac (VHT80)	SISO	5210	5.85	<=23.98	Pass
		5290	5.17	<=23.98	Pass
		5530	5.16	<=23.98	Pass
		5610	5.12	<=23.98	Pass
		5775	4.42	<=30	Pass

Note1: Antenna Gain: Ant1: 2.48dBi;

3.2 Test Graph

3.2.1 Power



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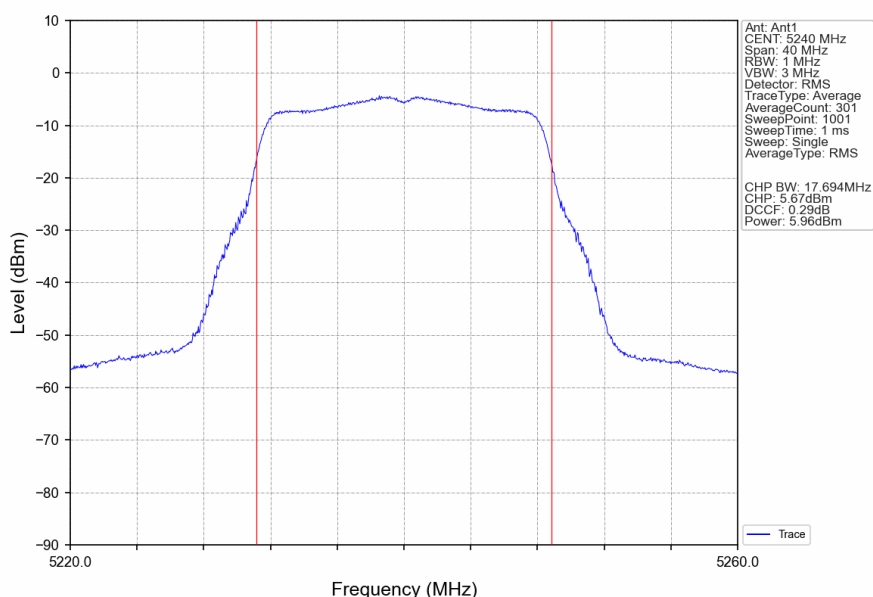
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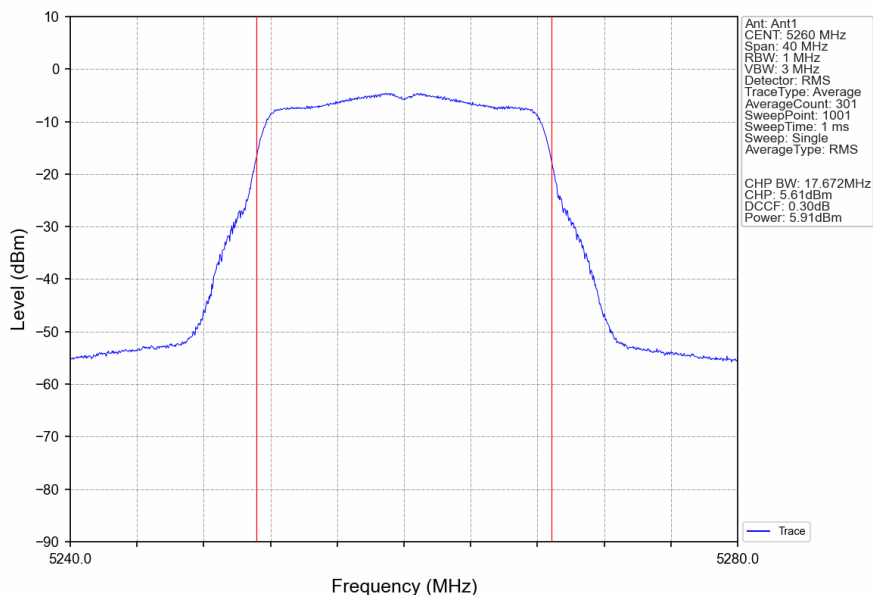
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

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802.11a_HCH_5240MHz_Ant1_NTNV



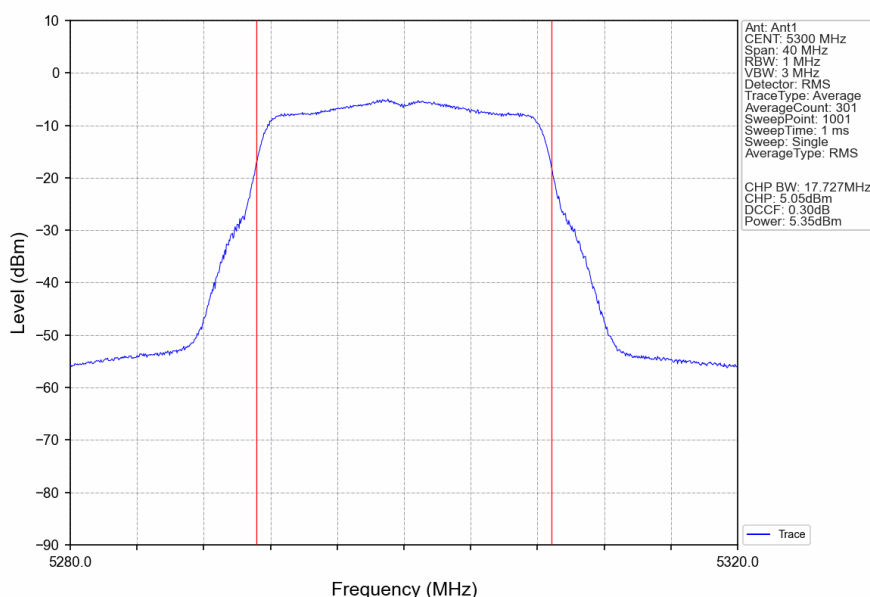
802.11a_LCH_5260MHz_Ant1_NTNV



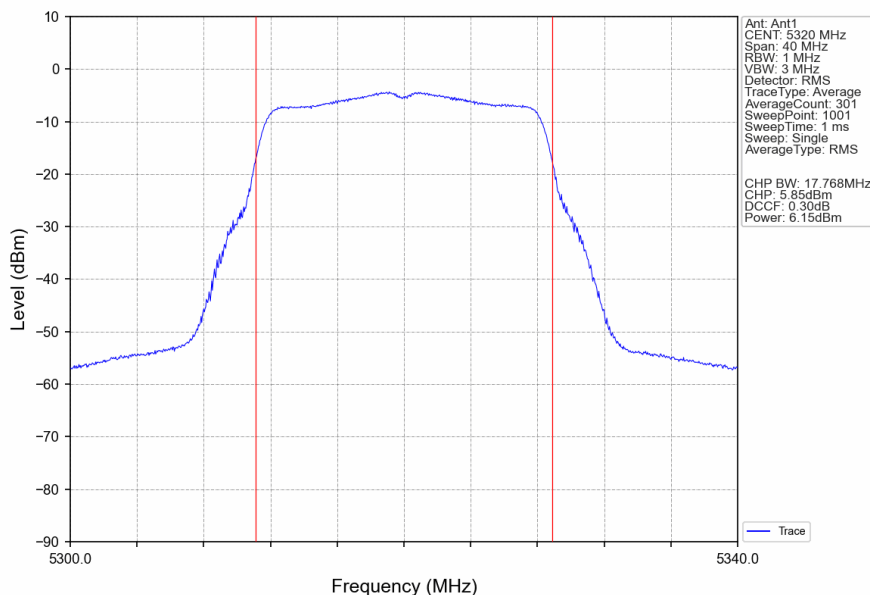
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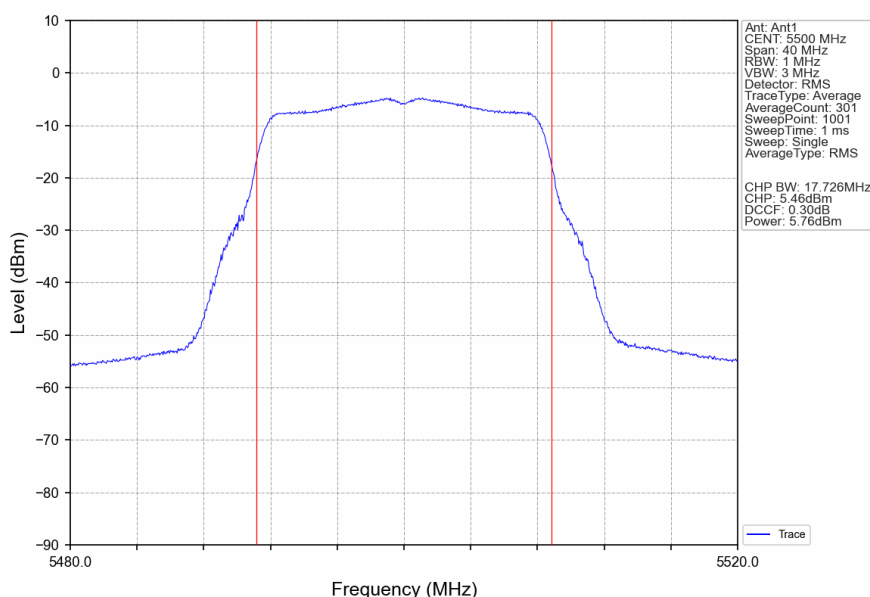
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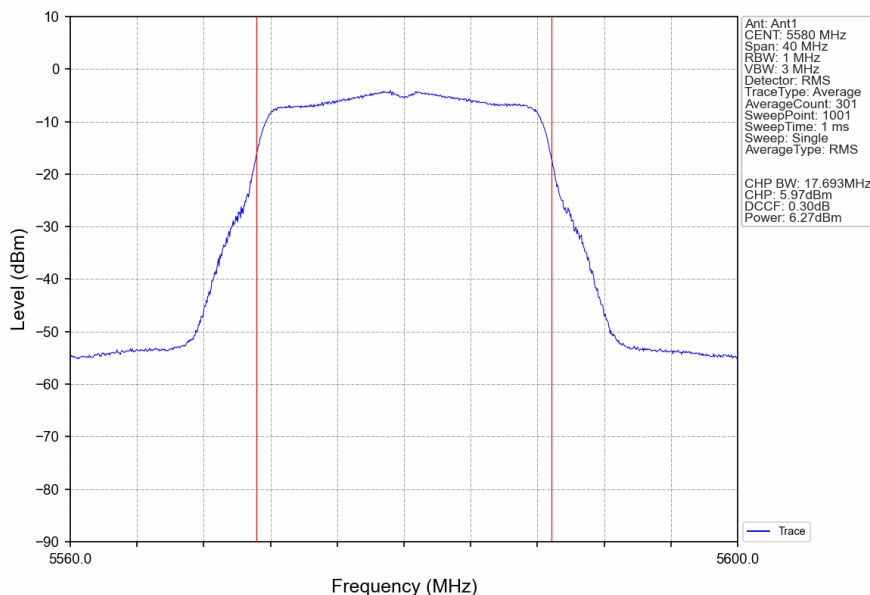
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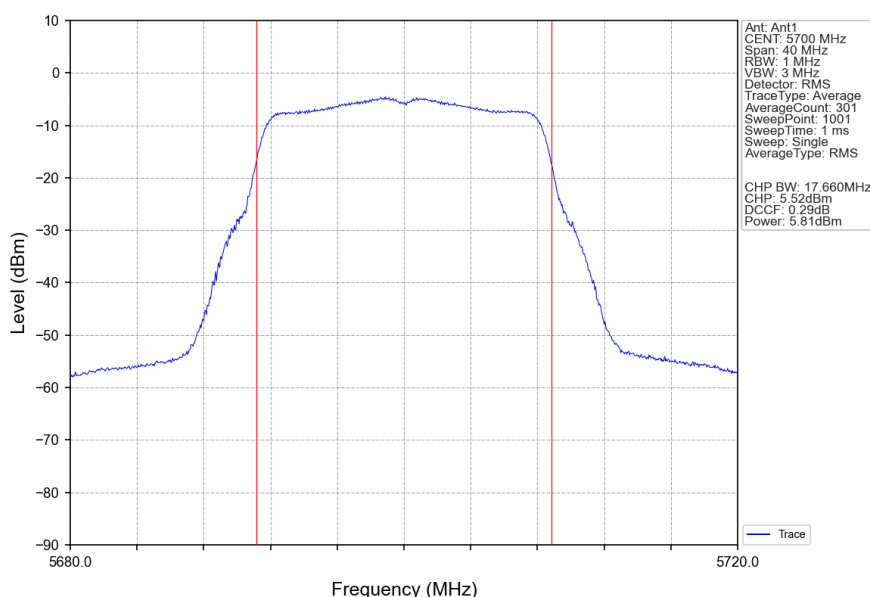
802.11a_LCH_5500MHz_Ant1_NTNV



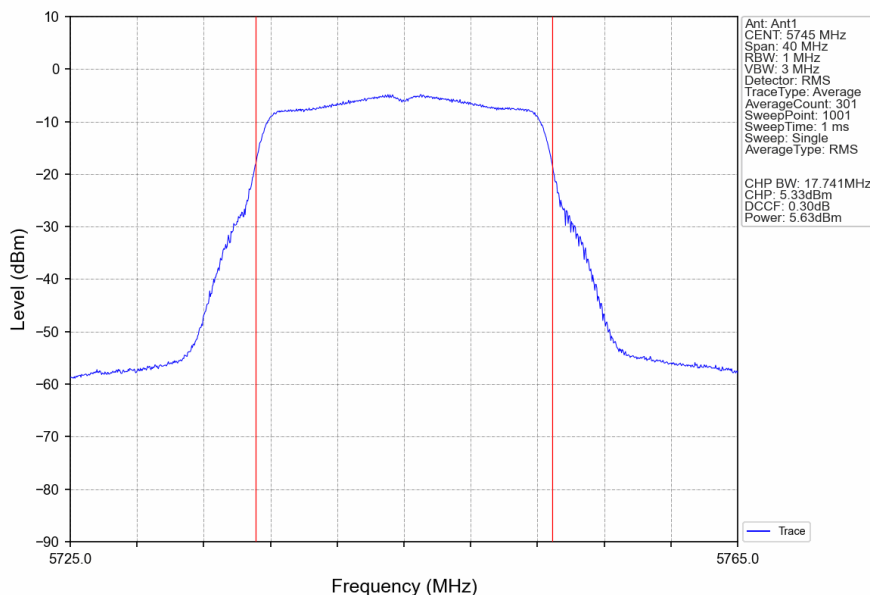
802.11a_MCH_5580MHz_Ant1_NTNV



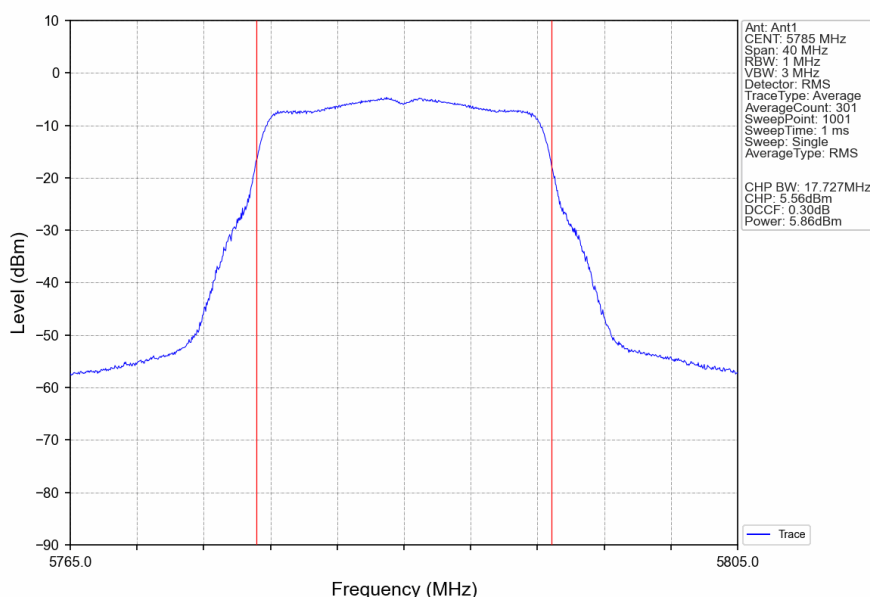
802.11a_HCH_5700MHz_Ant1_NTNV



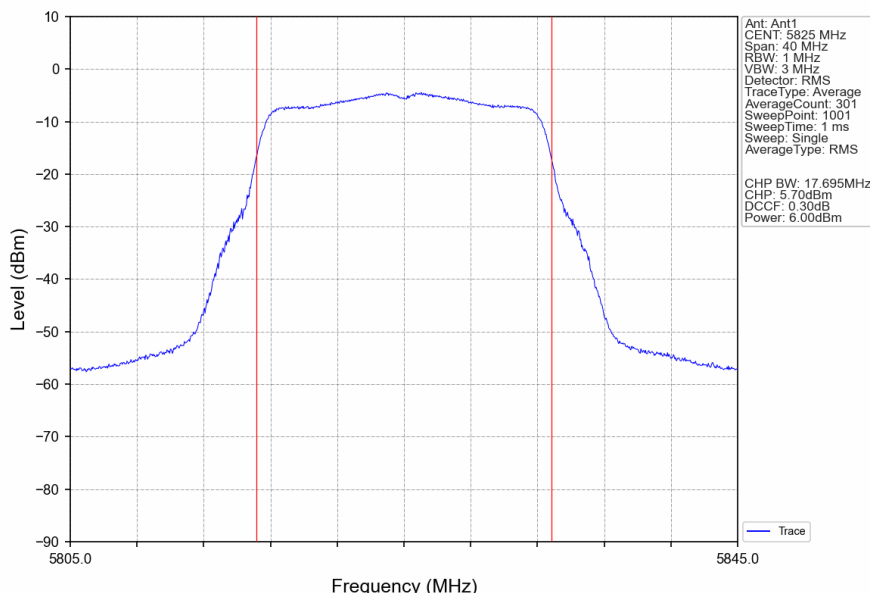
802.11a_LCH_5745MHz_Ant1_NTNV



802.11a_MCH_5785MHz_Ant1_NTNV



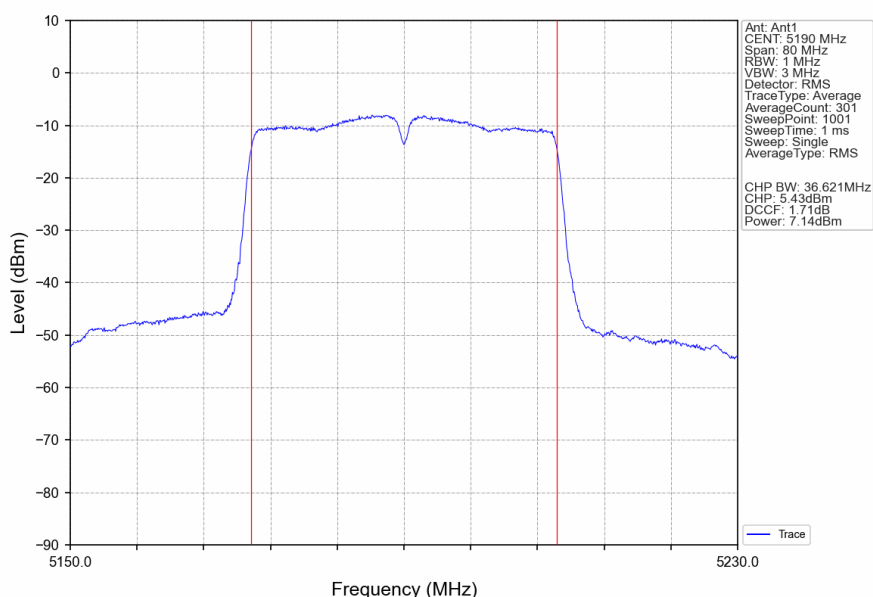
802.11a_HCH_5825MHz_Ant1_NTNV



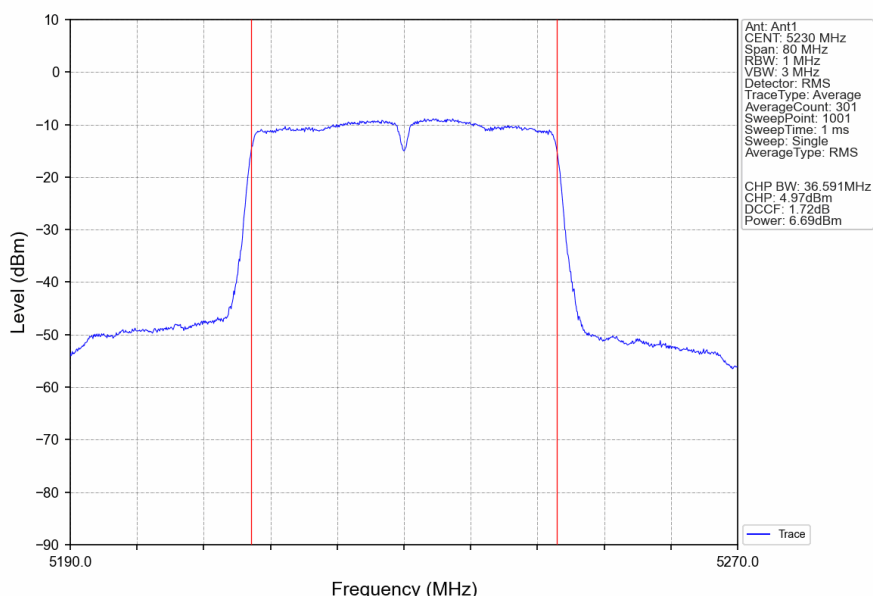
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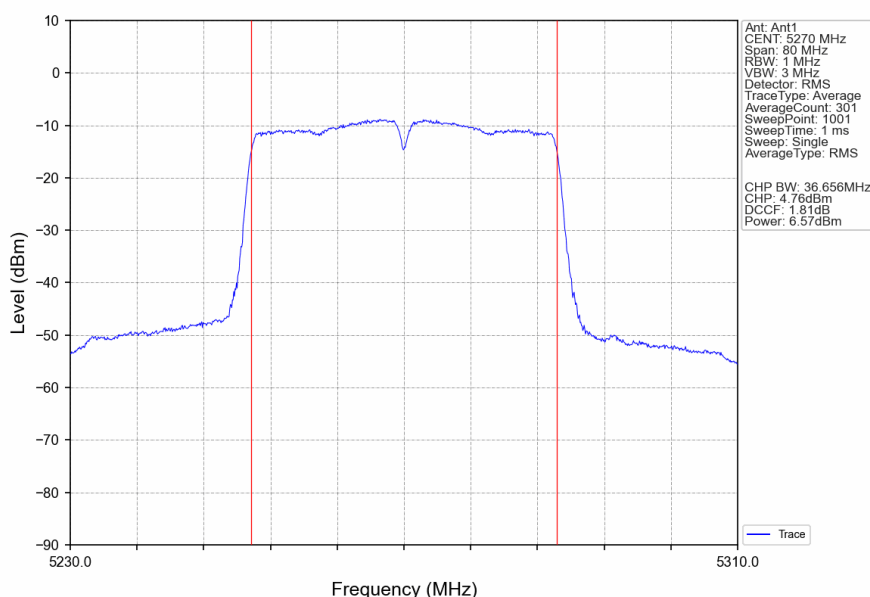
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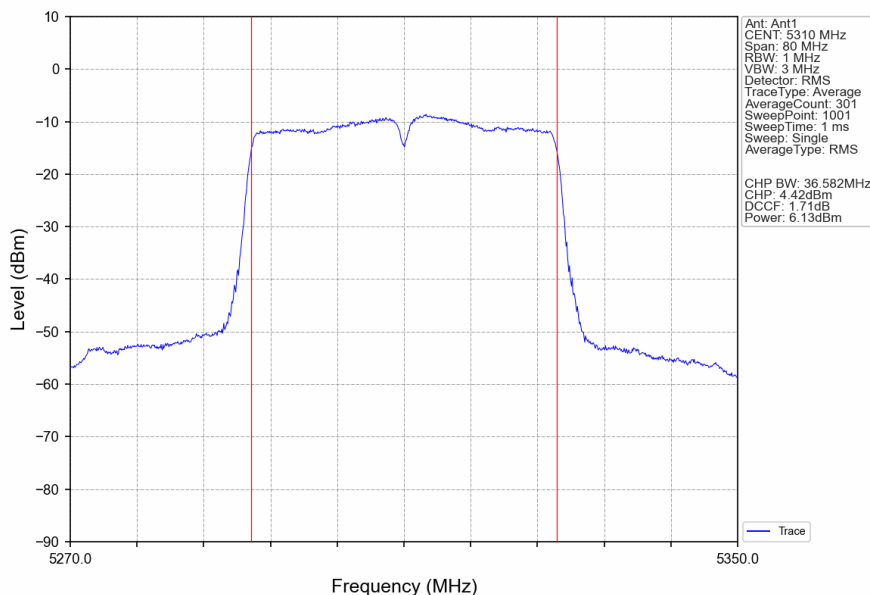
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



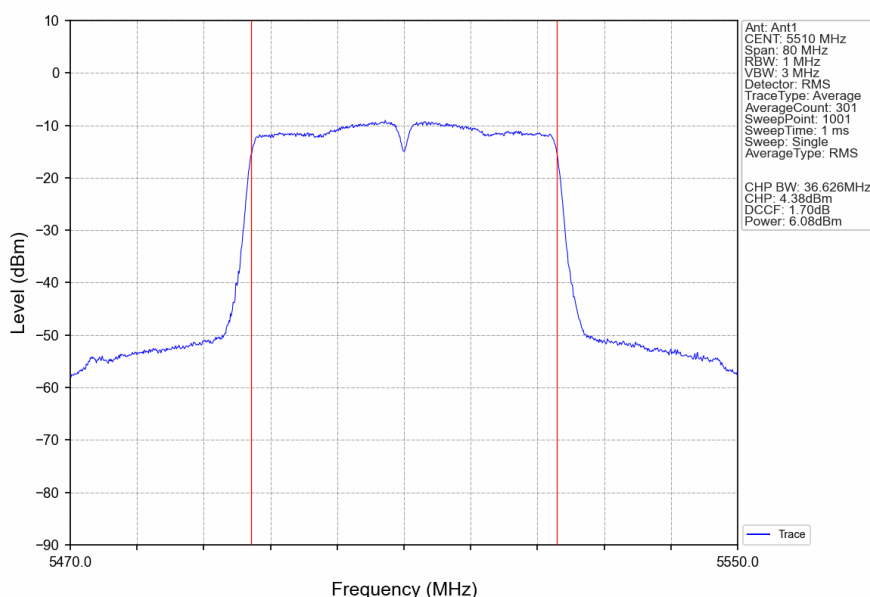
802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



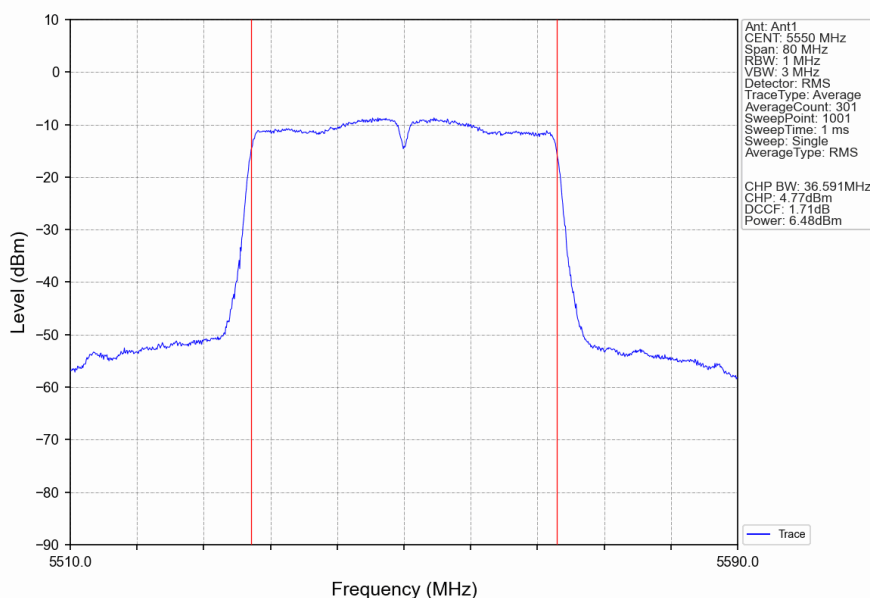
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



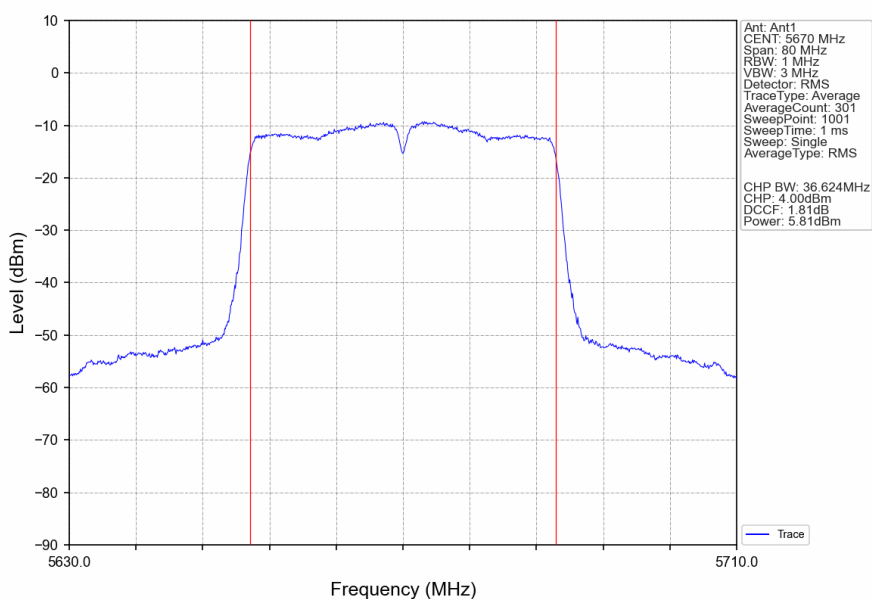
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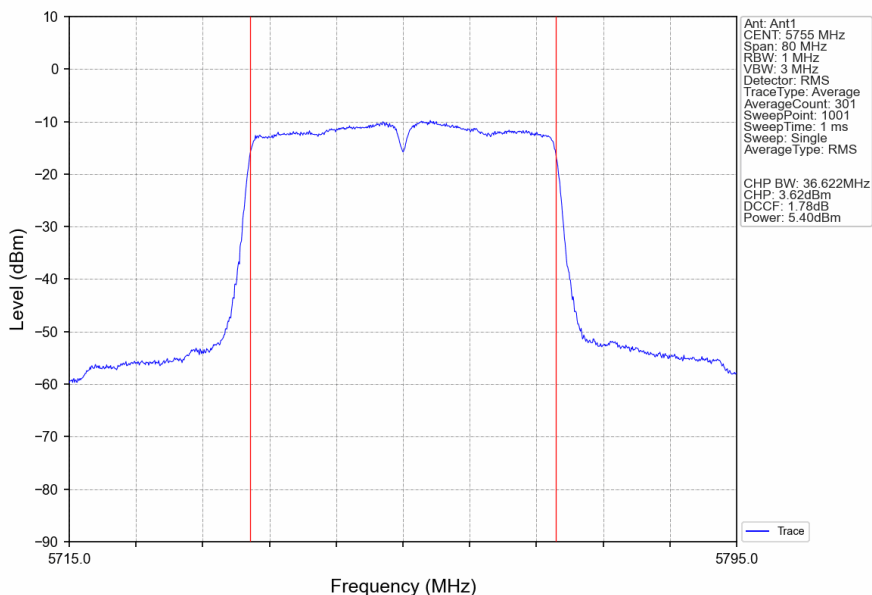
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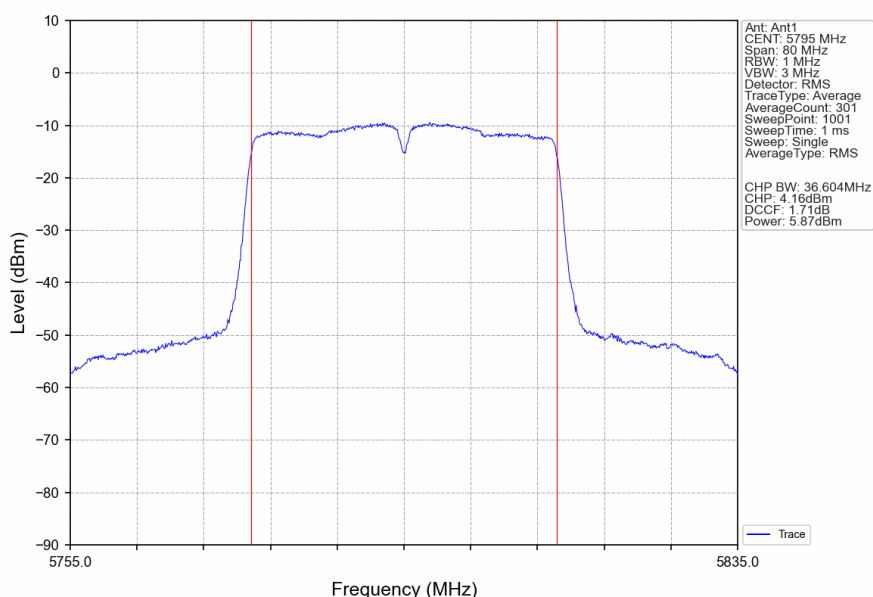
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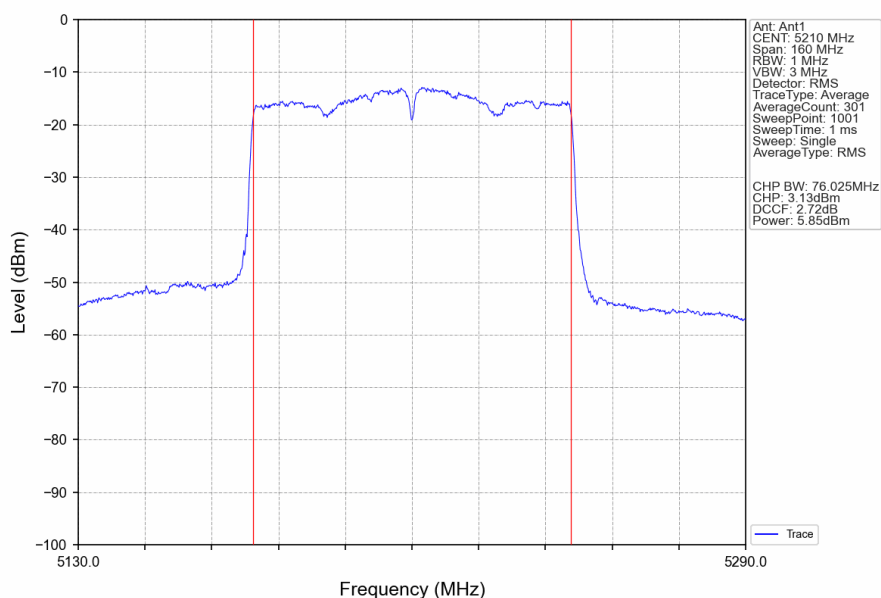
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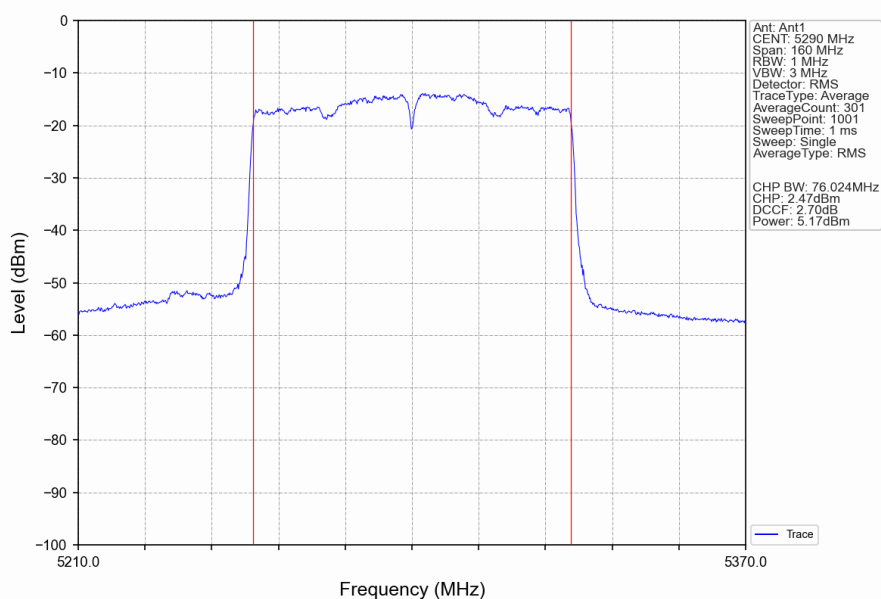
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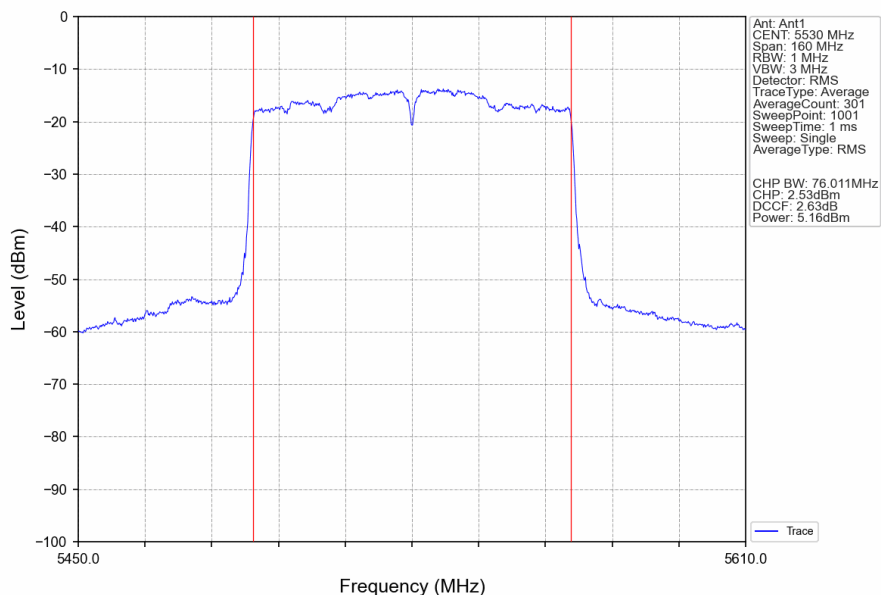
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



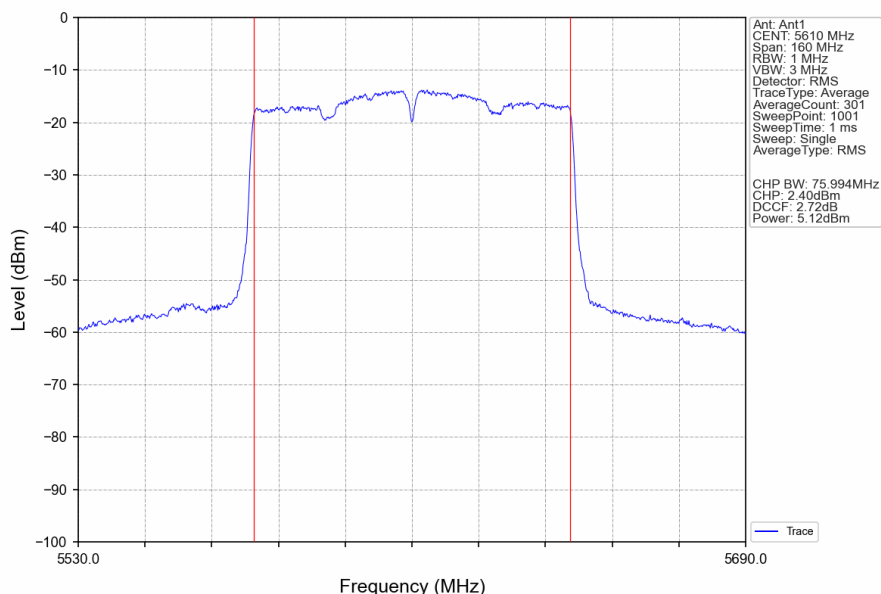
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



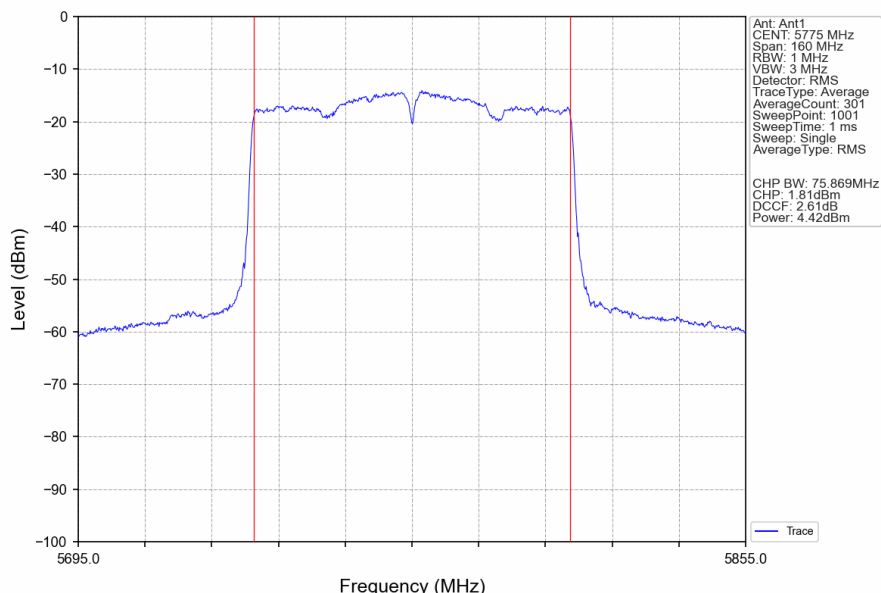
802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_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	-3.62	<=11	Pass
		5200	-3.97	<=11	Pass
		5240	-4.16	<=11	Pass
		5260	-4.30	<=11	Pass
		5300	-4.70	<=11	Pass
		5320	-4.05	<=11	Pass
		5500	-4.39	<=11	Pass
		5580	-3.86	<=11	Pass
802.11n (HT40)	SISO	5700	-4.38	<=11	Pass
		5190	-6.12	<=11	Pass
		5230	-6.92	<=11	Pass
		5270	-6.92	<=11	Pass
		5310	-7.27	<=11	Pass
		5510	-7.44	<=11	Pass
		5550	-6.96	<=11	Pass
802.11ac (VHT80)	SISO	5670	-7.78	<=11	Pass
		5210	-10.36	<=11	Pass
		5290	-11.13	<=11	Pass
		5530	-11.07	<=11	Pass
		5610	-11.05	<=11	Pass

Note1: Antenna Gain: Ant1: 2.48dBi;



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4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-7.08	<=30	Pass
		5785	-7.03	<=30	Pass
		5825	-6.84	<=30	Pass
802.11n (HT40)	SISO	5755	-10.66	<=30	Pass
		5795	-10.15	<=30	Pass
802.11ac (VHT80)	SISO	5775	-13.82	<=30	Pass

Note1: Antenna Gain: Ant1: 2.48dBi;



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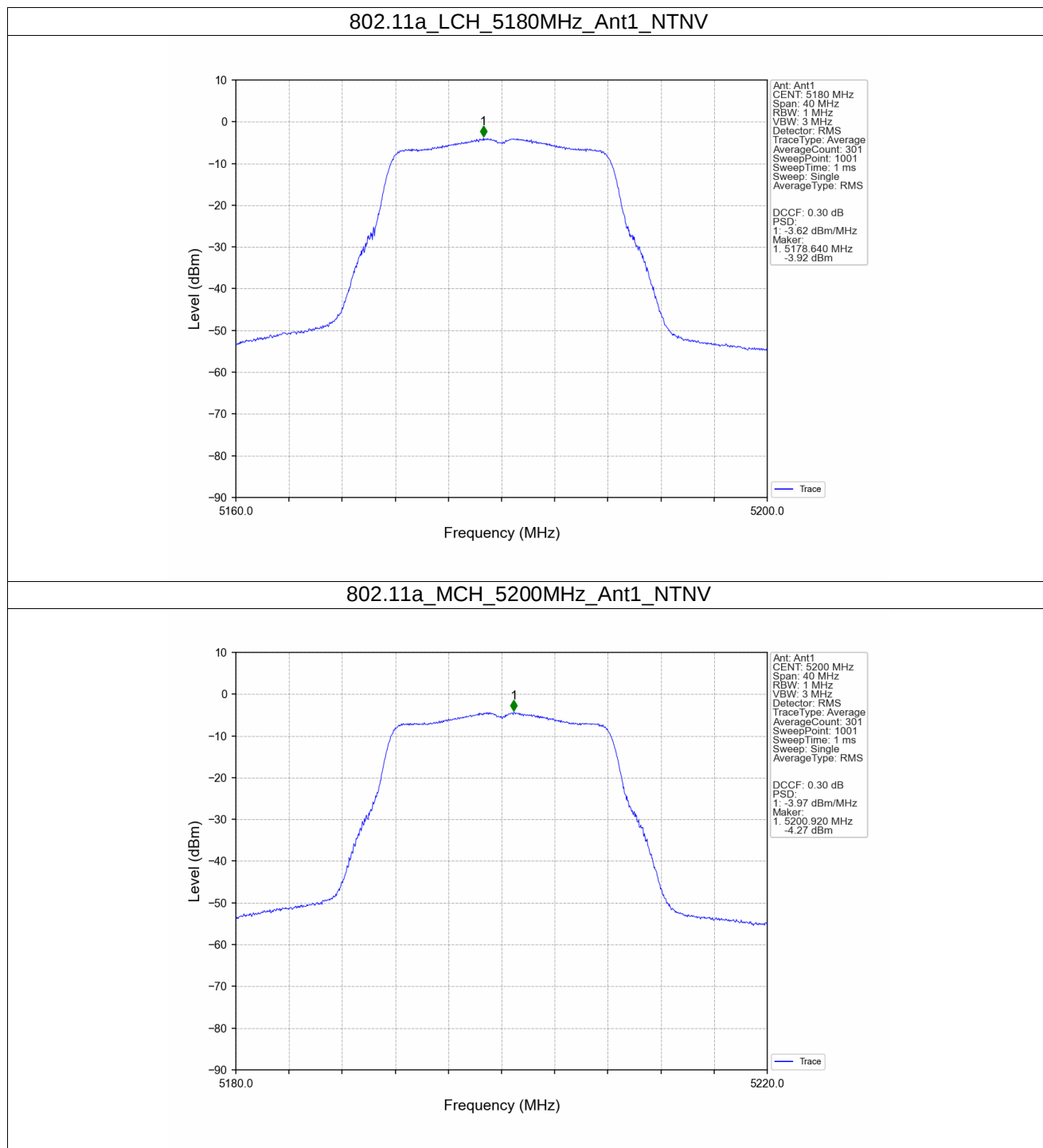
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4.2 Test Graph

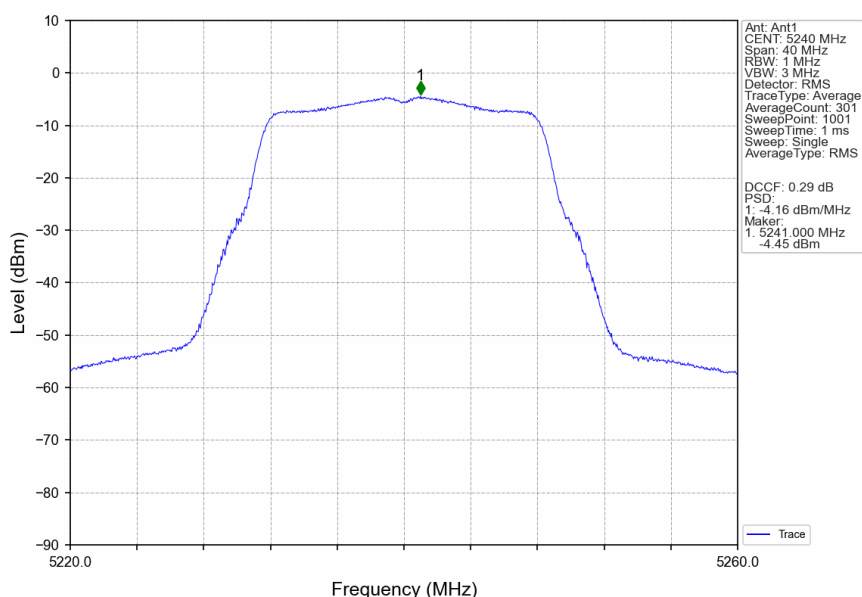
4.2.1 PSD



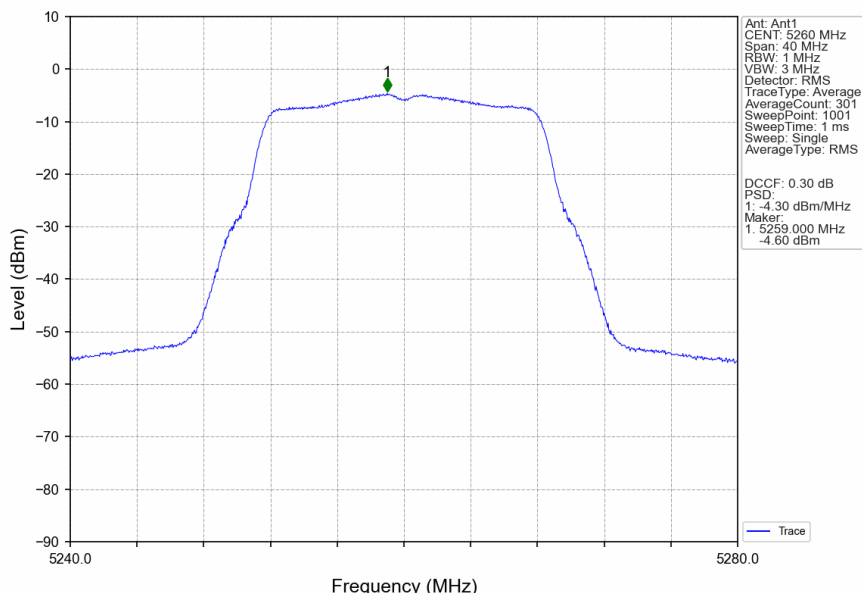
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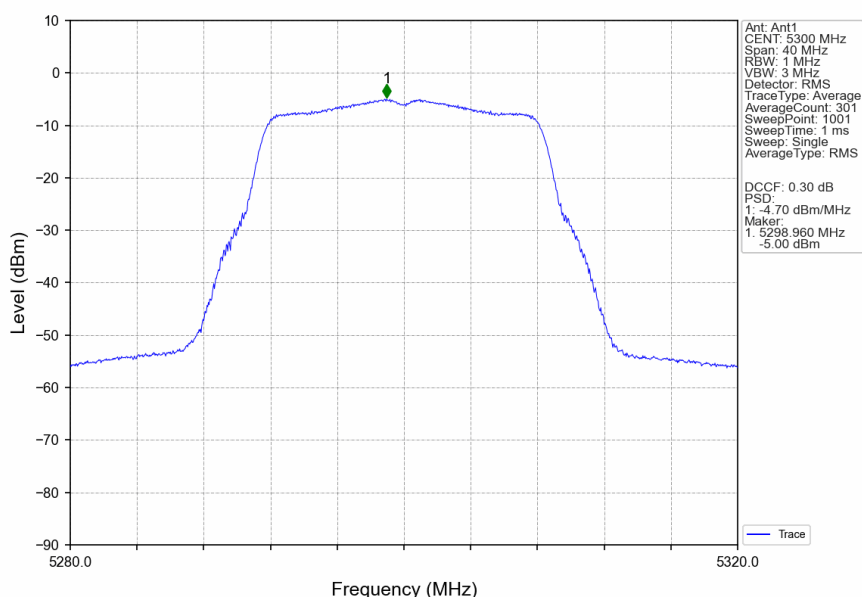
802.11a_HCH_5240MHz_Ant1_NTNV



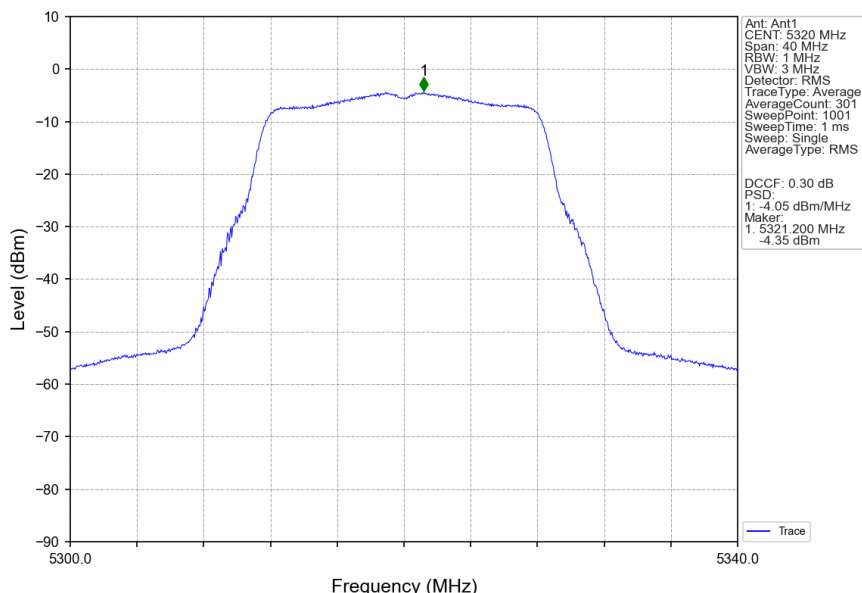
802.11a_LCH_5260MHz_Ant1_NTNV



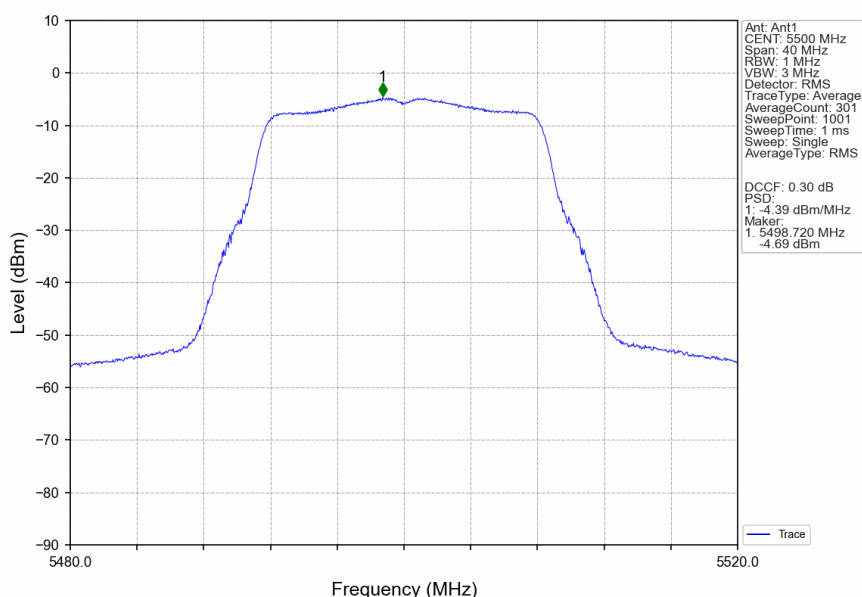
802.11a_MCH_5300MHz_Ant1_NTNV



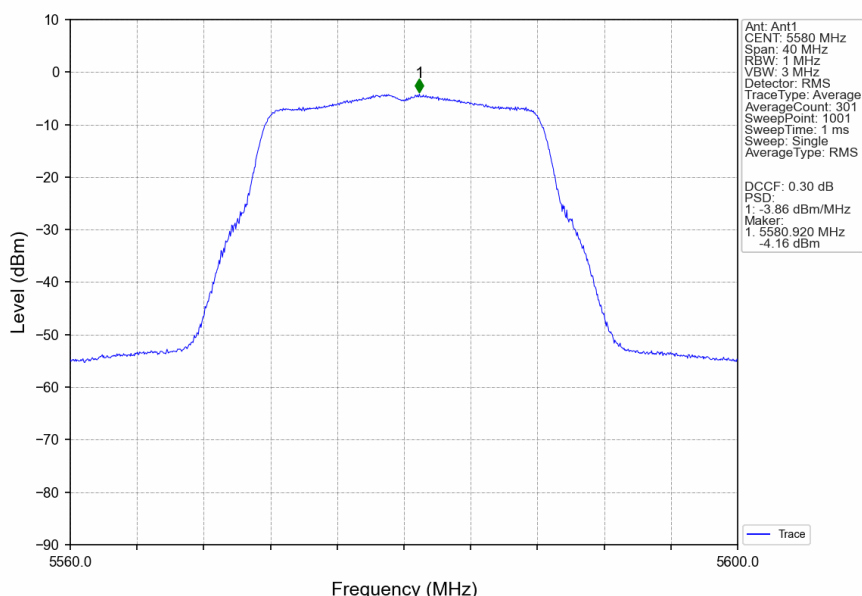
802.11a_HCH_5320MHz_Ant1_NTNV



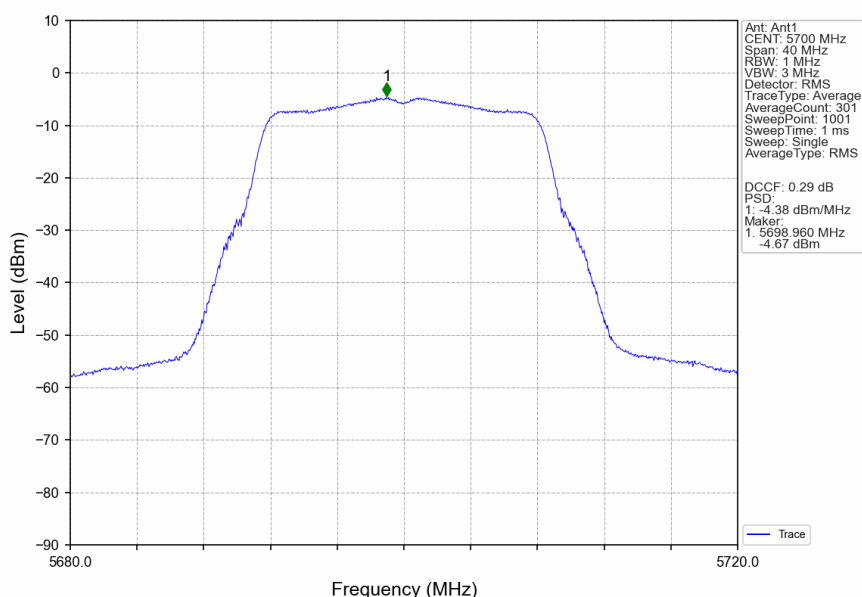
802.11a_LCH_5500MHz_Ant1_NTNV



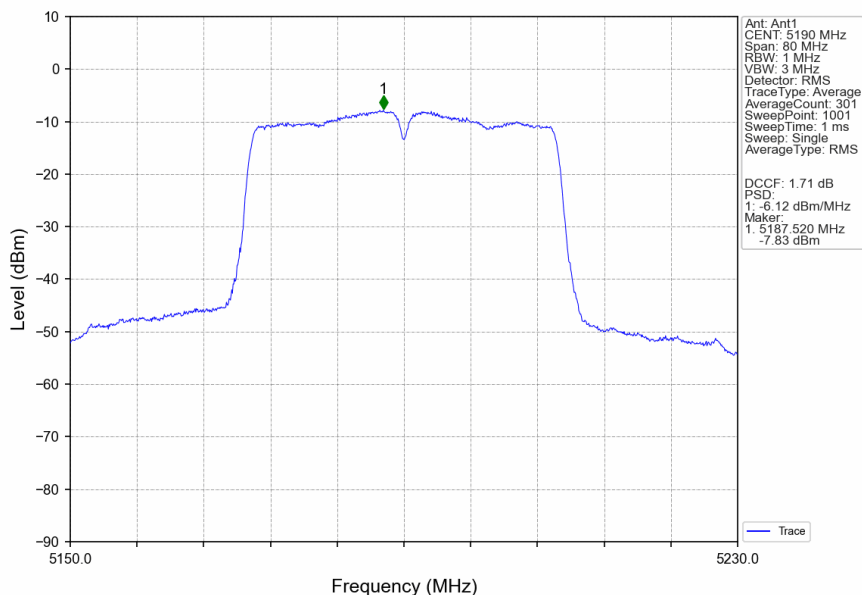
802.11a_MCH_5580MHz_Ant1_NTNV



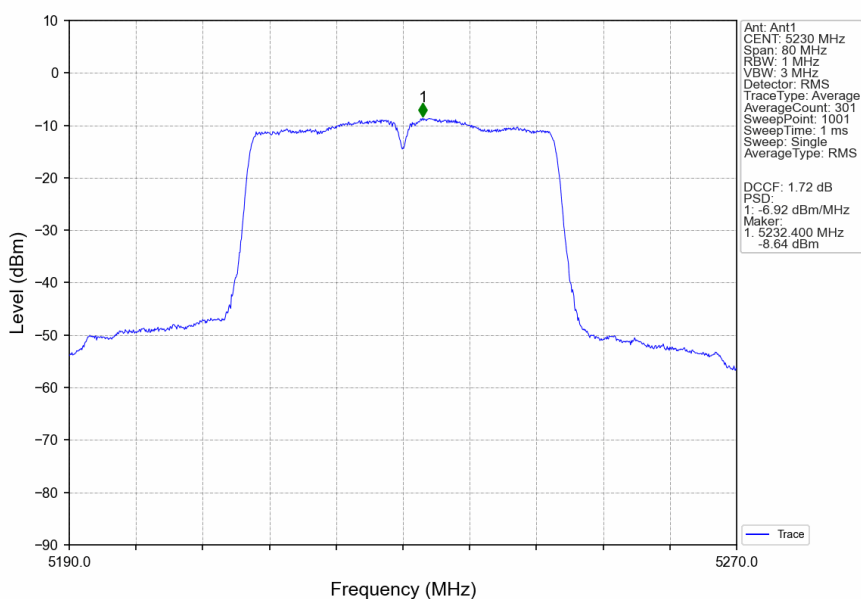
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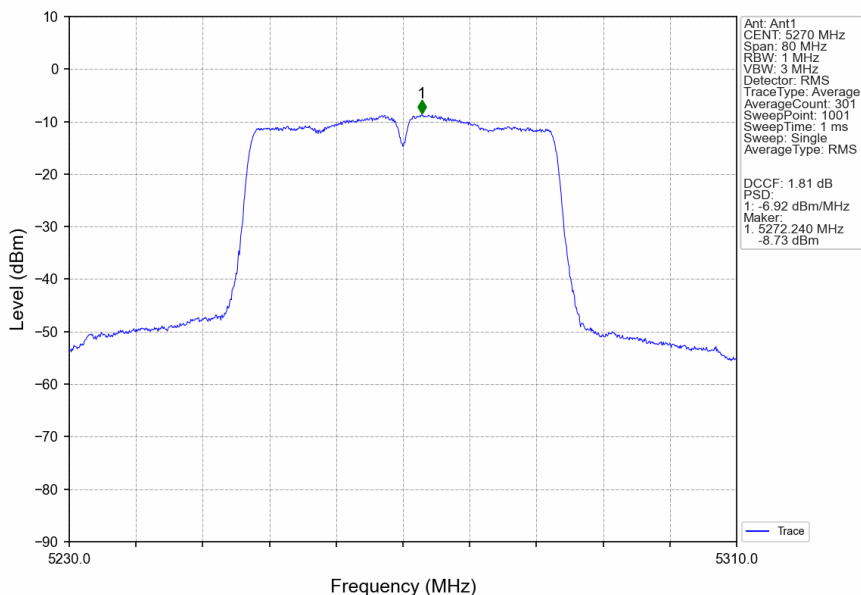
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



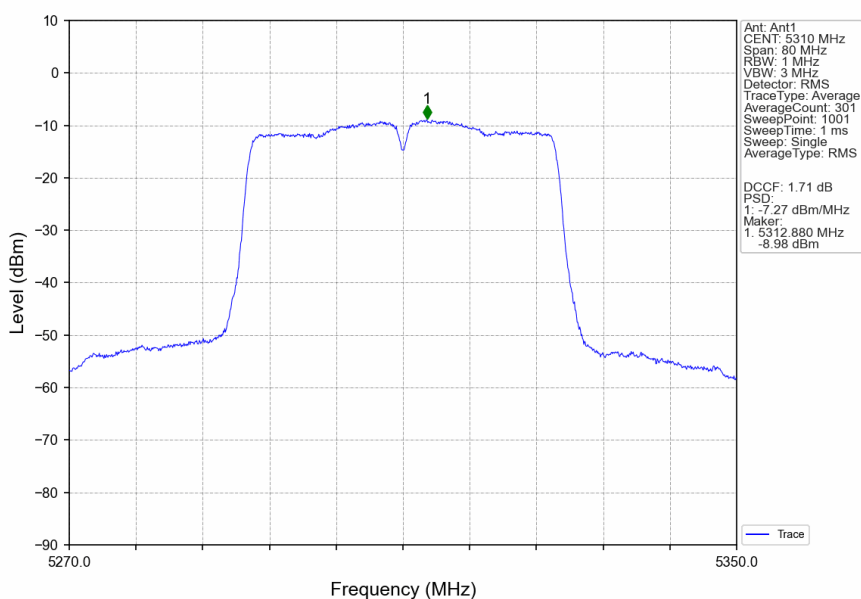
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



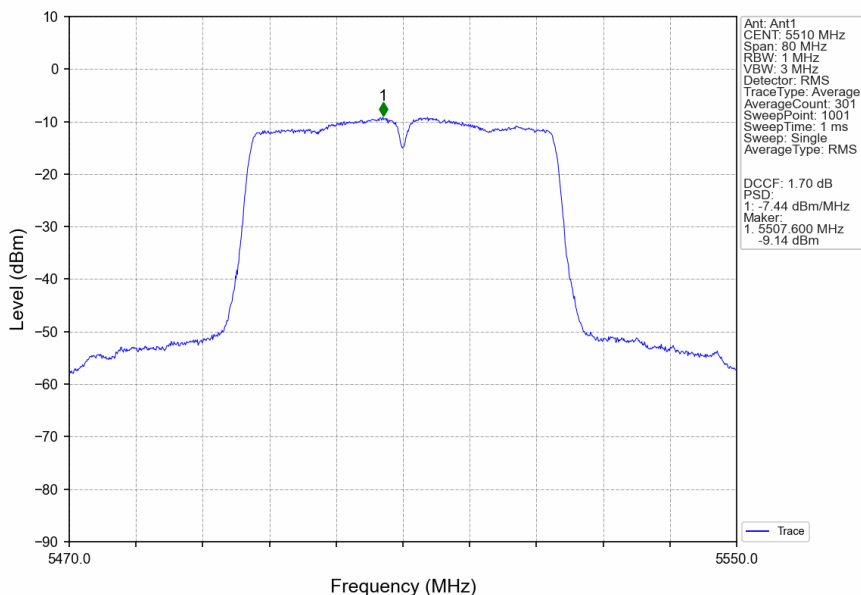
802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



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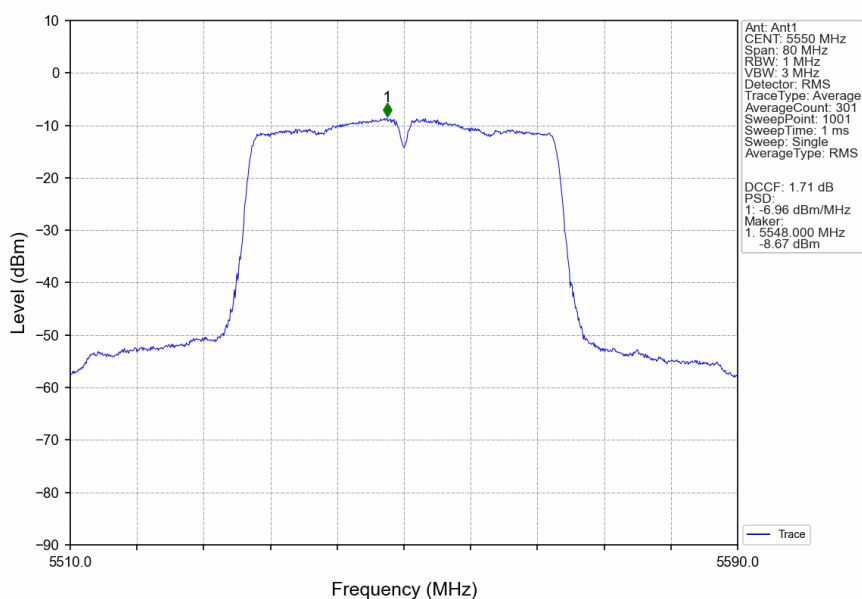
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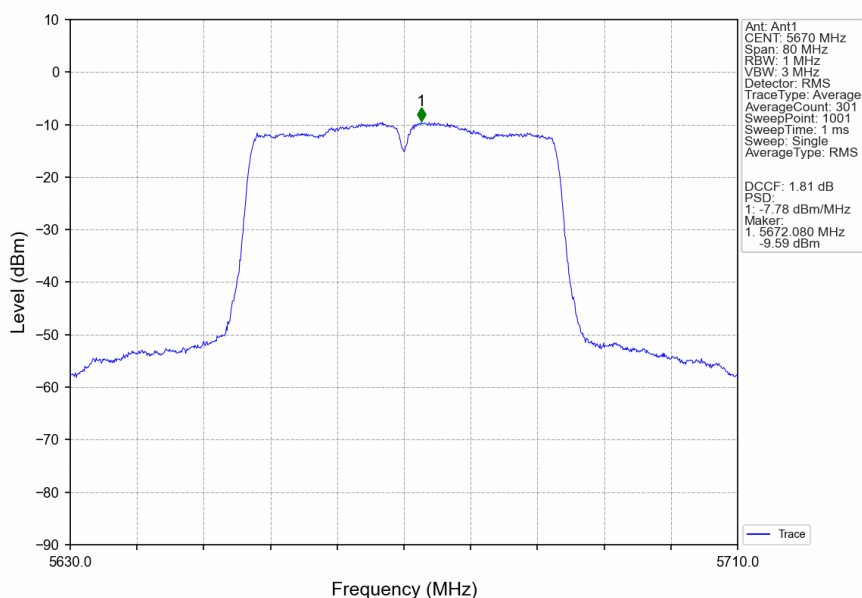
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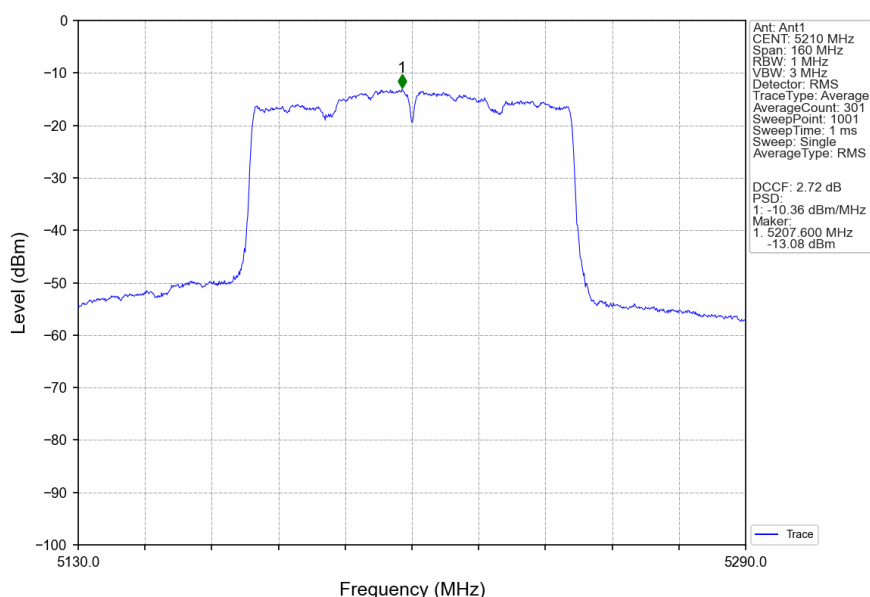
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



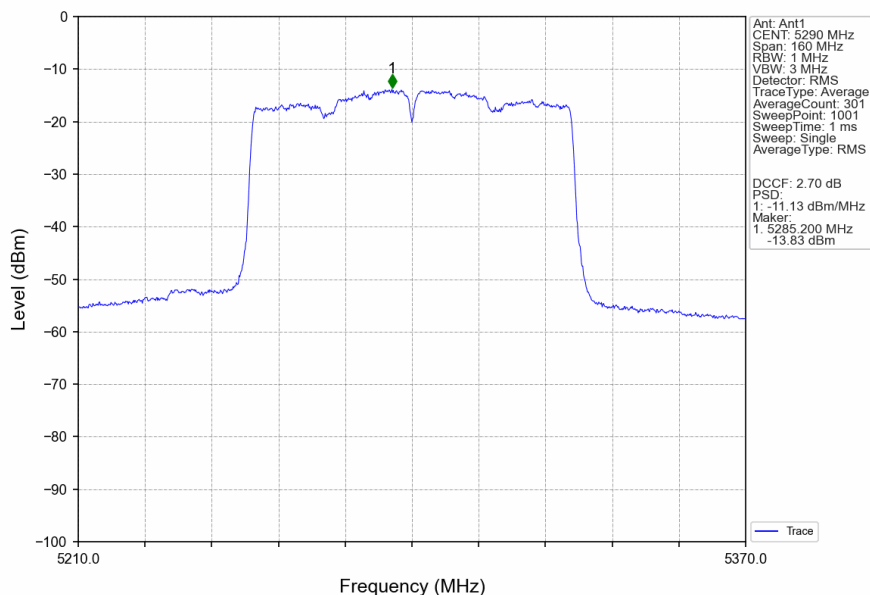
802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



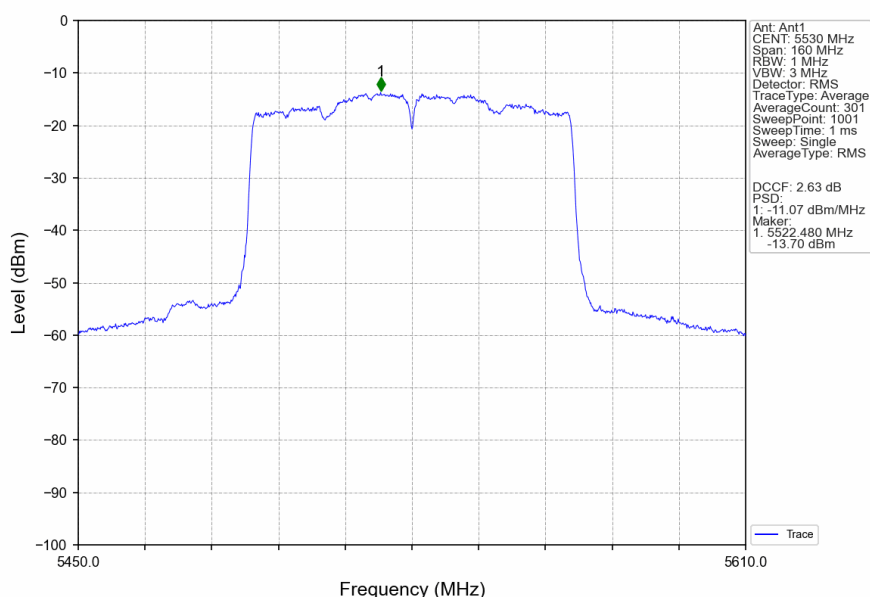
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



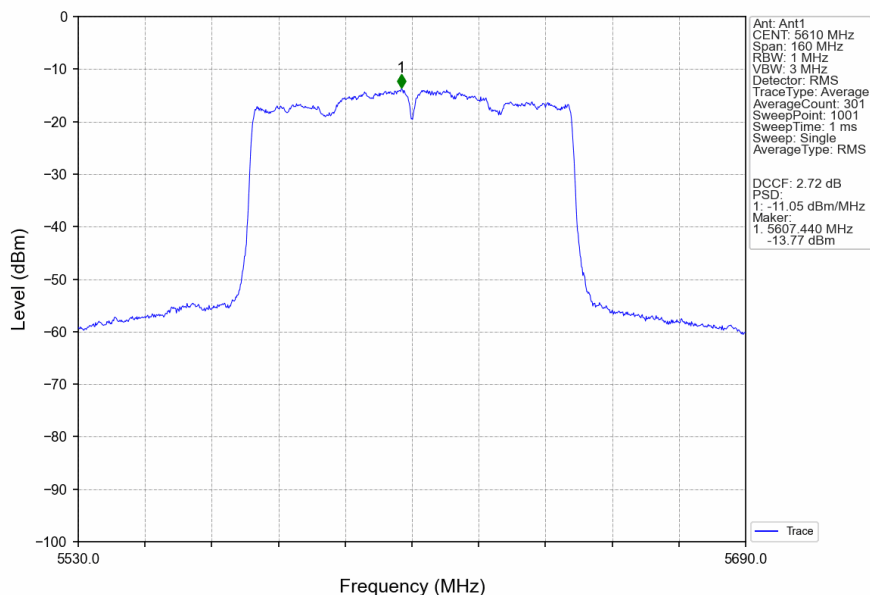
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



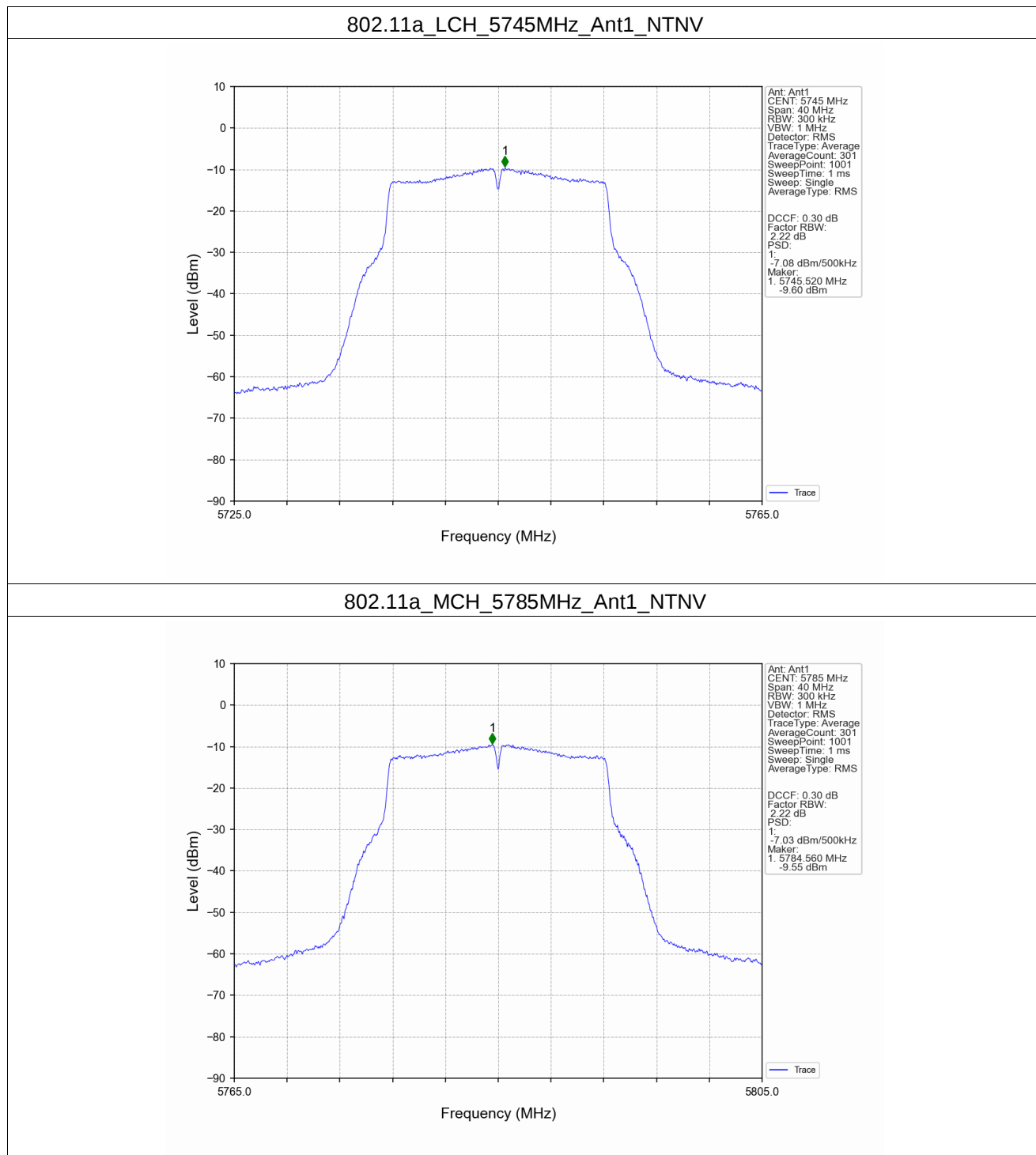
802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



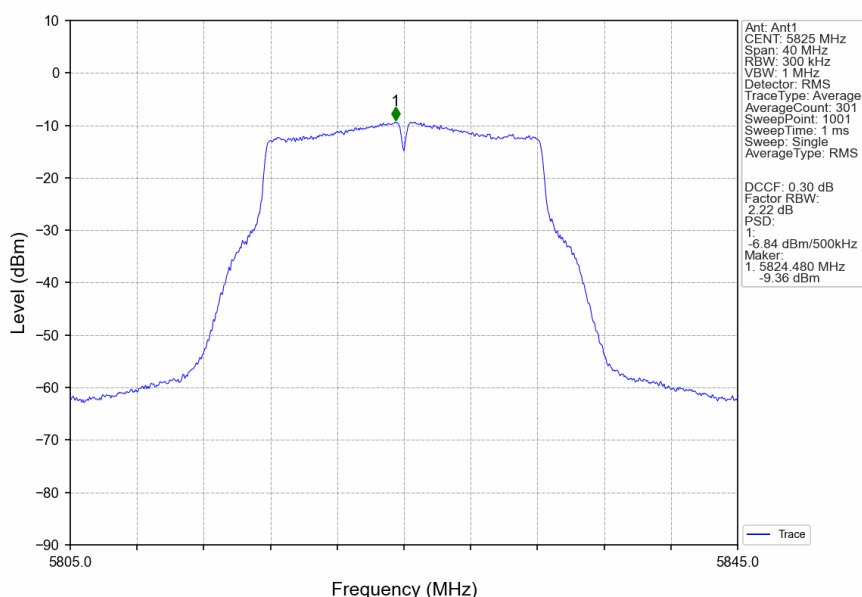
4.2.2 PSD-Band3



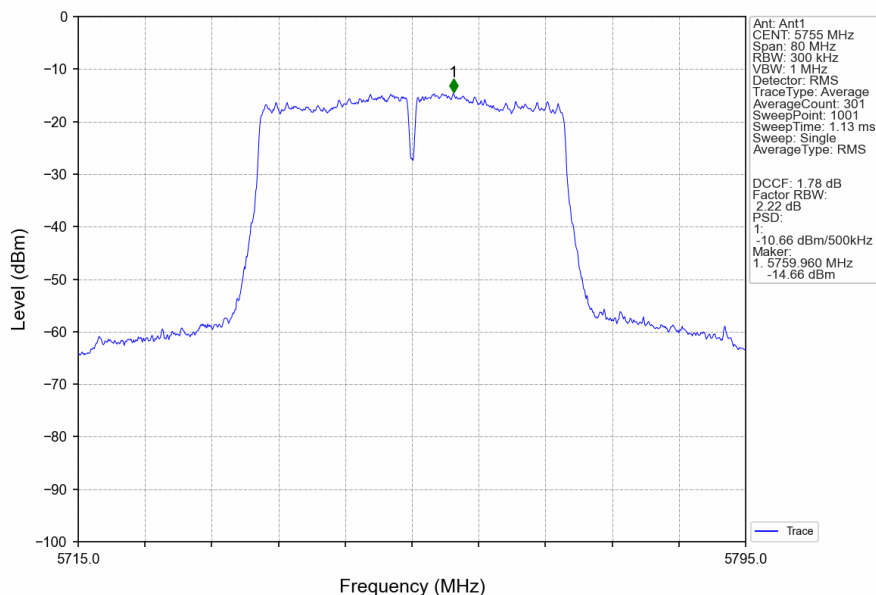
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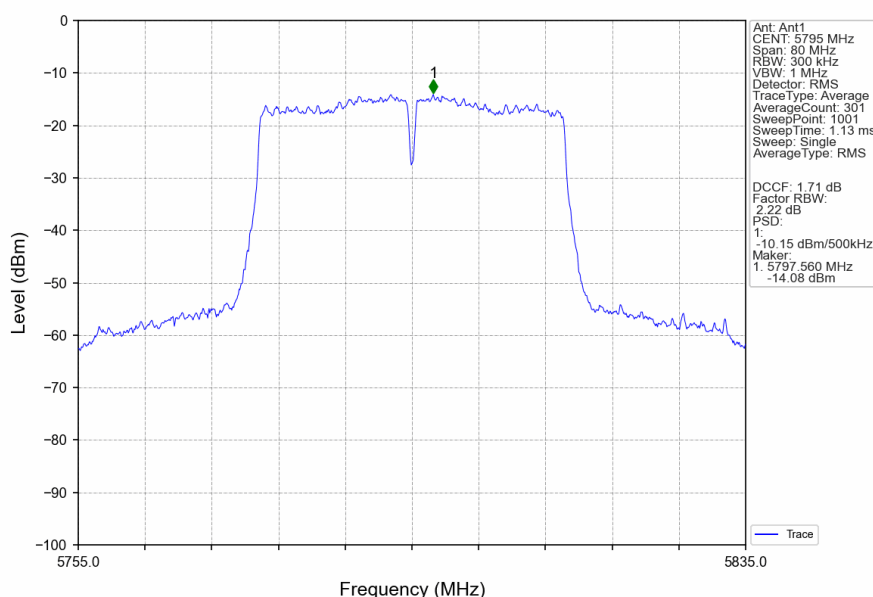
802.11a_HCH_5825MHz_Ant1_NTNV



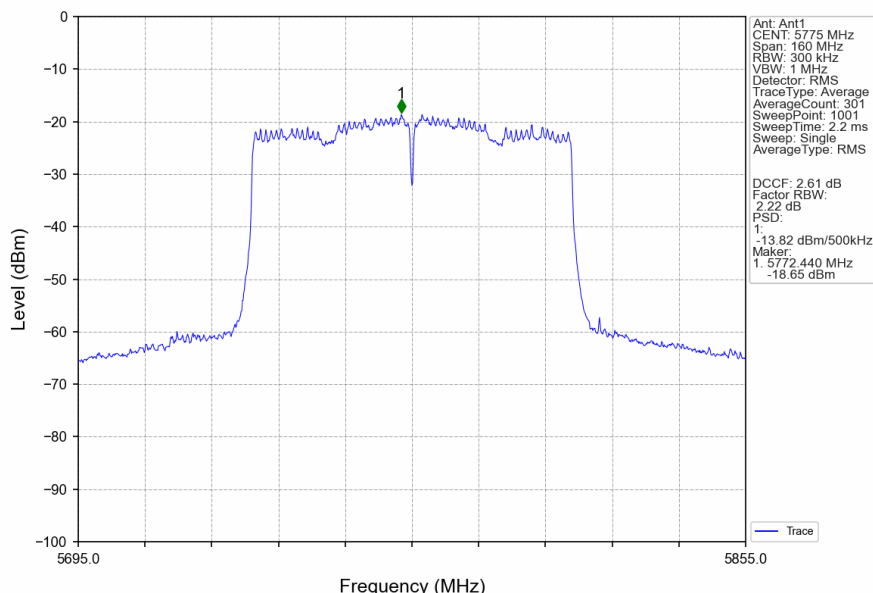
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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5. Frequency Stability

5.1 Test Result

5.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	20	102	5180.000	5150 to 5250	Pass
				120	5179.960	5150 to 5250	Pass
				138	5180.000	5150 to 5250	Pass
			-30	120	5179.940	5150 to 5250	Pass
				120	5179.960	5150 to 5250	Pass
				120	5179.920	5150 to 5250	Pass
			0	120	5179.960	5150 to 5250	Pass
				120	5179.900	5150 to 5250	Pass
				120	5179.980	5150 to 5250	Pass
			40	120	5180.000	5150 to 5250	Pass
				120	5179.980	5150 to 5250	Pass
				120	5179.980	5150 to 5250	Pass
		5240	20	102	5240.060	5150 to 5250	Pass
				120	5239.960	5150 to 5250	Pass
				138	5239.940	5150 to 5250	Pass
			-30	120	5239.940	5150 to 5250	Pass
				120	5239.960	5150 to 5250	Pass
				120	5239.980	5150 to 5250	Pass
			0	120	5239.980	5150 to 5250	Pass
				120	5239.900	5150 to 5250	Pass
				120	5240.000	5150 to 5250	Pass
			40	120	5239.940	5150 to 5250	Pass
				120	5239.960	5150 to 5250	Pass
				120	5239.960	5150 to 5250	Pass
		5260	20	102	5259.920	5250 to 5350	Pass
				120	5259.980	5250 to 5350	Pass
				138	5259.940	5250 to 5350	Pass
			-30	120	5259.960	5250 to 5350	Pass
				120	5259.980	5250 to 5350	Pass
				120	5260.000	5250 to 5350	Pass
			0	120	5260.060	5250 to 5350	Pass
				120	5259.920	5250 to 5350	Pass
				120	5260.060	5250 to 5350	Pass
			40	120	5259.900	5250 to 5350	Pass
				120	5259.900	5250 to 5350	Pass
				120	5260.020	5250 to 5350	Pass



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Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5320	20	102	5320.020	5250 to 5350	Pass
				120	5320.000	5250 to 5350	Pass
				138	5319.960	5250 to 5350	Pass
			-30	120	5320.060	5250 to 5350	Pass
				120	5319.960	5250 to 5350	Pass
				120	5320.060	5250 to 5350	Pass
			-20	120	5319.980	5250 to 5350	Pass
				120	5320.040	5250 to 5350	Pass
				120	5320.040	5250 to 5350	Pass
			-10	120	5319.980	5250 to 5350	Pass
				120	5319.920	5250 to 5350	Pass
				120	5319.920	5250 to 5350	Pass
		5500	20	102	5500.000	5470 to 5725	Pass
				120	5499.960	5470 to 5725	Pass
				138	5500.100	5470 to 5725	Pass
			-30	120	5500.000	5470 to 5725	Pass
				120	5499.940	5470 to 5725	Pass
				120	5499.920	5470 to 5725	Pass
			-20	120	5499.940	5470 to 5725	Pass
				120	5499.980	5470 to 5725	Pass
				120	5499.980	5470 to 5725	Pass
			-10	120	5499.960	5470 to 5725	Pass
				120	5500.020	5470 to 5725	Pass
				120	5500.020	5470 to 5725	Pass
		5700	20	102	5700.020	5470 to 5725	Pass
				120	5699.880	5470 to 5725	Pass
				138	5699.980	5470 to 5725	Pass
			-30	120	5699.960	5470 to 5725	Pass
				120	5699.960	5470 to 5725	Pass
				120	5699.920	5470 to 5725	Pass
			-20	120	5700.060	5470 to 5725	Pass
				120	5699.920	5470 to 5725	Pass
				120	5699.920	5470 to 5725	Pass
			-10	120	5699.940	5470 to 5725	Pass
				120	5699.940	5470 to 5725	Pass
				120	5699.920	5470 to 5725	Pass



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Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5745	20	102	5745.000	5725 to 5850	Pass
				120	5745.000	5725 to 5850	Pass
				138	5745.040	5725 to 5850	Pass
			-30	120	5745.000	5725 to 5850	Pass
			-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	5744.960	5725 to 5850	Pass
			30	120	5745.020	5725 to 5850	Pass
			40	120	5745.060	5725 to 5850	Pass
			50	120	5744.980	5725 to 5850	Pass
		5825	20	102	5825.020	5725 to 5850	Pass
				120	5824.980	5725 to 5850	Pass
				138	5824.920	5725 to 5850	Pass
			-30	120	5825.000	5725 to 5850	Pass
			-20	120	5824.960	5725 to 5850	Pass
			-10	120	5824.960	5725 to 5850	Pass
			0	120	5824.960	5725 to 5850	Pass
			10	120	5825.040	5725 to 5850	Pass
			30	120	5824.980	5725 to 5850	Pass
			40	120	5825.000	5725 to 5850	Pass
			50	120	5824.940	5725 to 5850	Pass
802.11n (HT40)	SISO	5190	20	102	5190.080	5150 to 5250	Pass
				120	5190.040	5150 to 5250	Pass
				138	5189.960	5150 to 5250	Pass
			-30	120	5190.040	5150 to 5250	Pass
			-20	120	5190.000	5150 to 5250	Pass
			-10	120	5190.000	5150 to 5250	Pass
			0	120	5189.960	5150 to 5250	Pass
			10	120	5190.080	5150 to 5250	Pass
			30	120	5189.880	5150 to 5250	Pass
			40	120	5189.960	5150 to 5250	Pass
			50	120	5189.960	5150 to 5250	Pass



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Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11n (HT40)	SISO	5230	20	102	5230.000	5150 to 5250	Pass
				120	5230.000	5150 to 5250	Pass
				138	5230.000	5150 to 5250	Pass
			-30	120	5230.080	5150 to 5250	Pass
			-20	120	5230.080	5150 to 5250	Pass
			-10	120	5230.000	5150 to 5250	Pass
			0	120	5230.080	5150 to 5250	Pass
			10	120	5230.120	5150 to 5250	Pass
			30	120	5230.000	5150 to 5250	Pass
			40	120	5230.040	5150 to 5250	Pass
			50	120	5230.080	5150 to 5250	Pass
		5270	20	102	5270.040	5250 to 5350	Pass
				120	5270.000	5250 to 5350	Pass
				138	5269.960	5250 to 5350	Pass
			-30	120	5269.920	5250 to 5350	Pass
			-20	120	5270.080	5250 to 5350	Pass
			-10	120	5269.920	5250 to 5350	Pass
			0	120	5270.000	5250 to 5350	Pass
			10	120	5269.960	5250 to 5350	Pass
			30	120	5270.000	5250 to 5350	Pass
			40	120	5269.960	5250 to 5350	Pass
			50	120	5269.960	5250 to 5350	Pass
		5310	20	102	5309.960	5250 to 5350	Pass
				120	5309.960	5250 to 5350	Pass
				138	5310.040	5250 to 5350	Pass
			-30	120	5309.960	5250 to 5350	Pass
			-20	120	5309.960	5250 to 5350	Pass
			-10	120	5310.040	5250 to 5350	Pass
			0	120	5310.000	5250 to 5350	Pass
			10	120	5310.040	5250 to 5350	Pass
			30	120	5309.960	5250 to 5350	Pass
			40	120	5309.960	5250 to 5350	Pass
			50	120	5310.000	5250 to 5350	Pass



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Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11n (HT40)	SISO	5510	20	102	5510.080	5470 to 5725	Pass
				120	5510.000	5470 to 5725	Pass
				138	5509.960	5470 to 5725	Pass
			-30	120	5509.960	5470 to 5725	Pass
			-20	120	5510.040	5470 to 5725	Pass
			-10	120	5510.000	5470 to 5725	Pass
			0	120	5510.000	5470 to 5725	Pass
			10	120	5510.080	5470 to 5725	Pass
			30	120	5509.960	5470 to 5725	Pass
			40	120	5510.120	5470 to 5725	Pass
			50	120	5510.080	5470 to 5725	Pass
		5670	20	102	5669.960	5470 to 5725	Pass
				120	5669.960	5470 to 5725	Pass
				138	5669.920	5470 to 5725	Pass
			-30	120	5670.000	5470 to 5725	Pass
			-20	120	5670.040	5470 to 5725	Pass
			-10	120	5670.000	5470 to 5725	Pass
			0	120	5669.960	5470 to 5725	Pass
			10	120	5670.000	5470 to 5725	Pass
			30	120	5669.960	5470 to 5725	Pass
			40	120	5670.000	5470 to 5725	Pass
			50	120	5670.000	5470 to 5725	Pass
		5755	20	102	5755.000	5725 to 5850	Pass
				120	5755.120	5725 to 5850	Pass
				138	5755.040	5725 to 5850	Pass
			-30	120	5755.040	5725 to 5850	Pass
			-20	120	5755.000	5725 to 5850	Pass
			-10	120	5755.040	5725 to 5850	Pass
			0	120	5755.080	5725 to 5850	Pass
			10	120	5755.040	5725 to 5850	Pass
			30	120	5755.040	5725 to 5850	Pass
			40	120	5755.000	5725 to 5850	Pass
			50	120	5755.040	5725 to 5850	Pass



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Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11n (HT40)	SISO	5795	20	102	5795.000	5725 to 5850	Pass
				120	5794.960	5725 to 5850	Pass
				138	5795.120	5725 to 5850	Pass
			-30	120	5794.960	5725 to 5850	Pass
			-20	120	5795.000	5725 to 5850	Pass
			-10	120	5794.960	5725 to 5850	Pass
			0	120	5794.920	5725 to 5850	Pass
			10	120	5795.040	5725 to 5850	Pass
			30	120	5795.040	5725 to 5850	Pass
			40	120	5794.960	5725 to 5850	Pass
			50	120	5795.040	5725 to 5850	Pass
802.11ac (VHT80)	SISO	5210	20	102	5210.000	5150 to 5250	Pass
				120	5210.000	5150 to 5250	Pass
				138	5210.075	5150 to 5250	Pass
			-30	120	5210.075	5150 to 5250	Pass
			-20	120	5210.000	5150 to 5250	Pass
			-10	120	5210.075	5150 to 5250	Pass
			0	120	5210.075	5150 to 5250	Pass
			10	120	5210.075	5150 to 5250	Pass
			30	120	5210.000	5150 to 5250	Pass
			40	120	5210.075	5150 to 5250	Pass
			50	120	5210.000	5150 to 5250	Pass
		5290	20	102	5290.000	5250 to 5350	Pass
				120	5290.000	5250 to 5350	Pass
				138	5290.000	5250 to 5350	Pass
			-30	120	5290.000	5250 to 5350	Pass
			-20	120	5290.000	5250 to 5350	Pass
			-10	120	5290.000	5250 to 5350	Pass
			0	120	5290.000	5250 to 5350	Pass
			10	120	5290.075	5250 to 5350	Pass
			30	120	5290.000	5250 to 5350	Pass
			40	120	5290.075	5250 to 5350	Pass
			50	120	5290.000	5250 to 5350	Pass



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Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11ac (VHT80)	SISO	5530	20	102	5530.075	5470 to 5725	Pass
				120	5529.925	5470 to 5725	Pass
				138	5530.075	5470 to 5725	Pass
			-30	120	5530.075	5470 to 5725	Pass
			-20	120	5530.000	5470 to 5725	Pass
			-10	120	5530.075	5470 to 5725	Pass
			0	120	5530.000	5470 to 5725	Pass
			10	120	5530.075	5470 to 5725	Pass
			30	120	5530.000	5470 to 5725	Pass
			40	120	5530.000	5470 to 5725	Pass
			50	120	5529.925	5470 to 5725	Pass
		5610	20	102	5610.000	5470 to 5725	Pass
				120	5610.000	5470 to 5725	Pass
				138	5610.000	5470 to 5725	Pass
			-30	120	5610.000	5470 to 5725	Pass
			-20	120	5609.925	5470 to 5725	Pass
			-10	120	5610.000	5470 to 5725	Pass
			0	120	5610.000	5470 to 5725	Pass
			10	120	5610.075	5470 to 5725	Pass
			30	120	5610.000	5470 to 5725	Pass
			40	120	5610.075	5470 to 5725	Pass
			50	120	5610.000	5470 to 5725	Pass
		5775	20	102	5775.000	5725 to 5850	Pass
				120	5775.000	5725 to 5850	Pass
				138	5775.000	5725 to 5850	Pass
			-30	120	5775.000	5725 to 5850	Pass
			-20	120	5775.075	5725 to 5850	Pass
			-10	120	5775.000	5725 to 5850	Pass
			0	120	5775.000	5725 to 5850	Pass
			10	120	5775.000	5725 to 5850	Pass
			30	120	5775.000	5725 to 5850	Pass
			40	120	5774.925	5725 to 5850	Pass
			50	120	5775.000	5725 to 5850	Pass

- End of the Report -



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