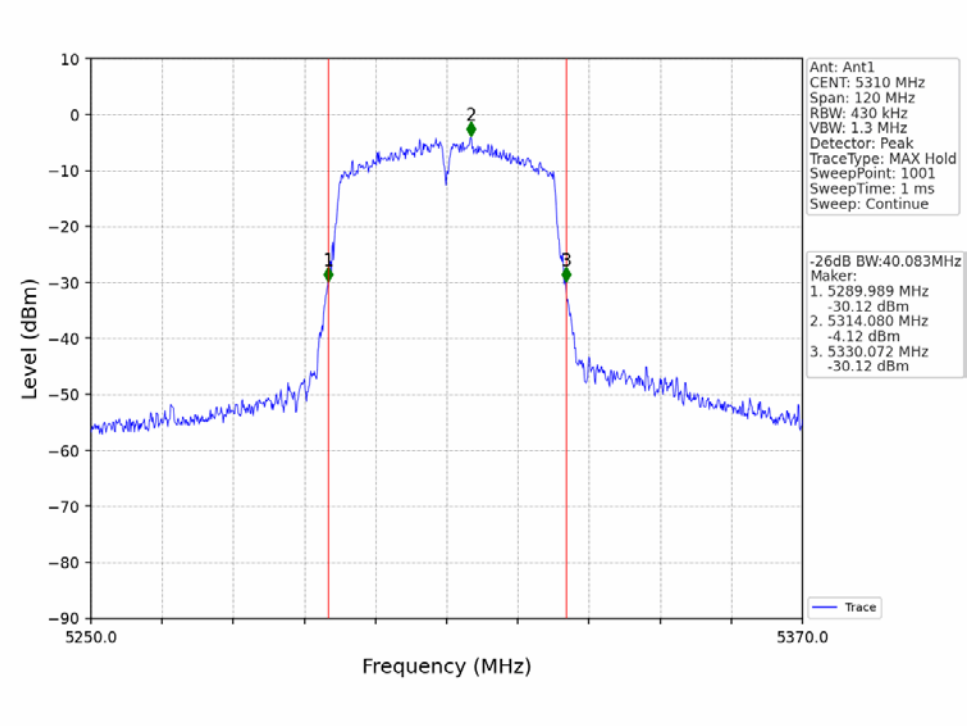
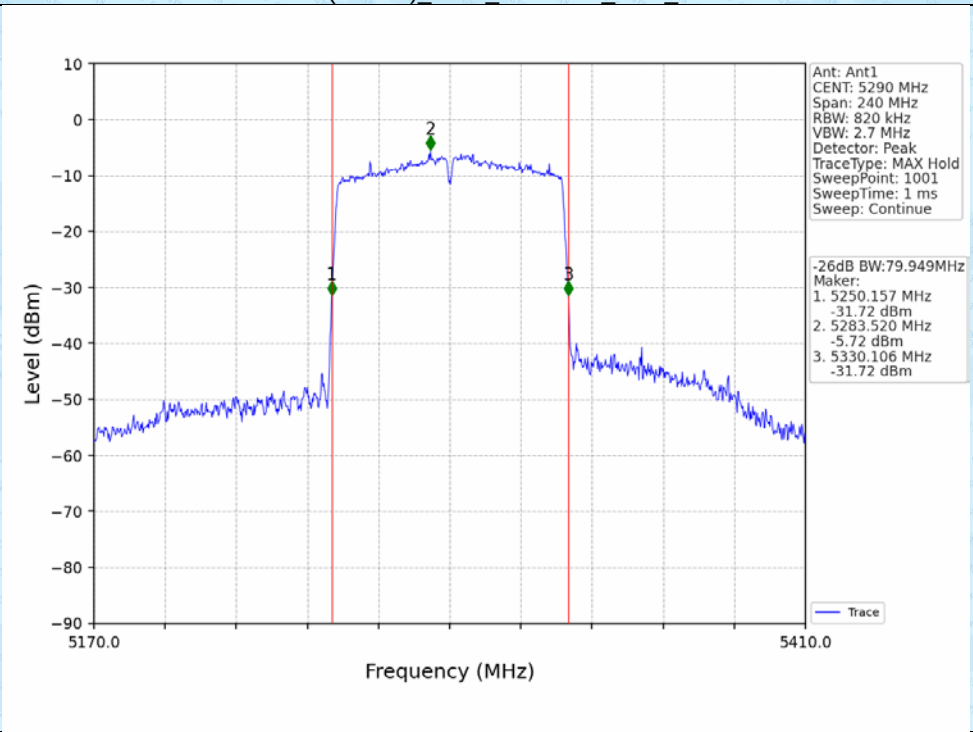
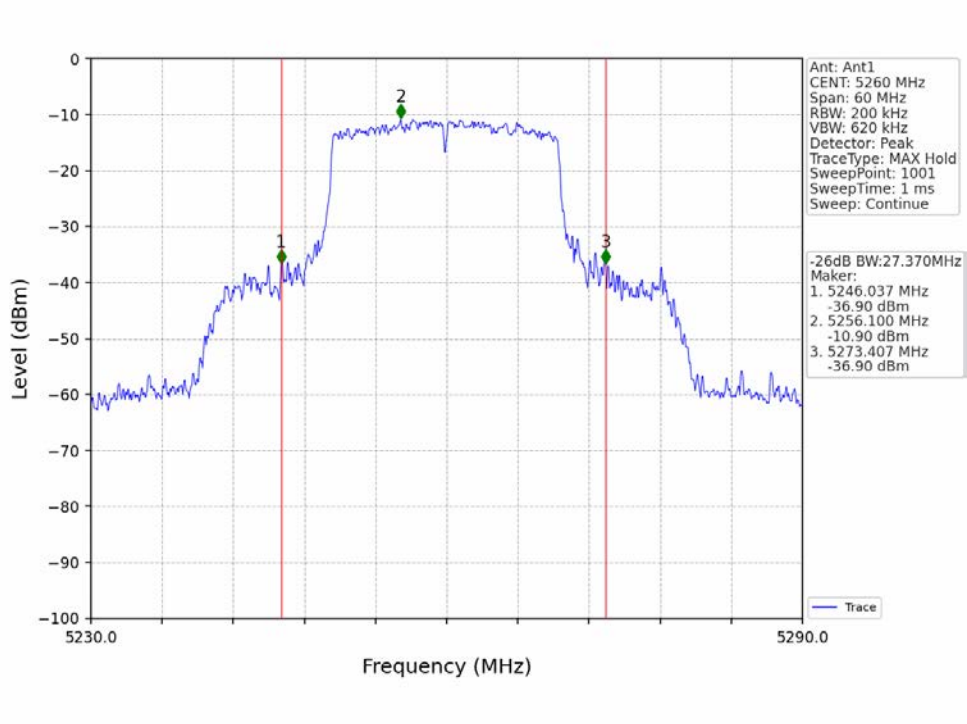
802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



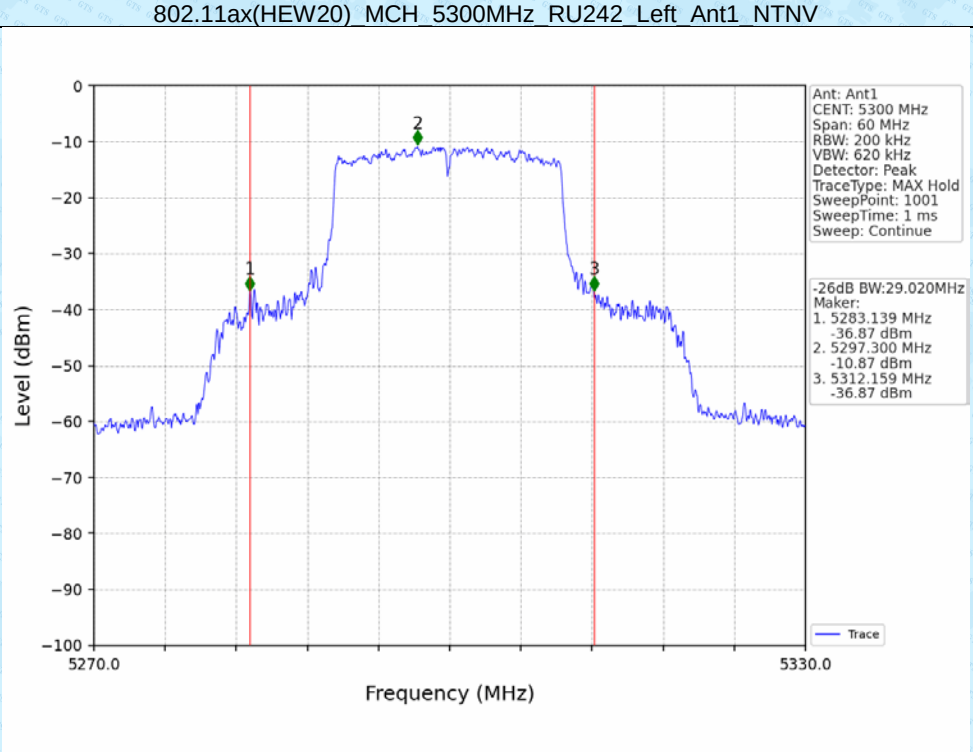
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



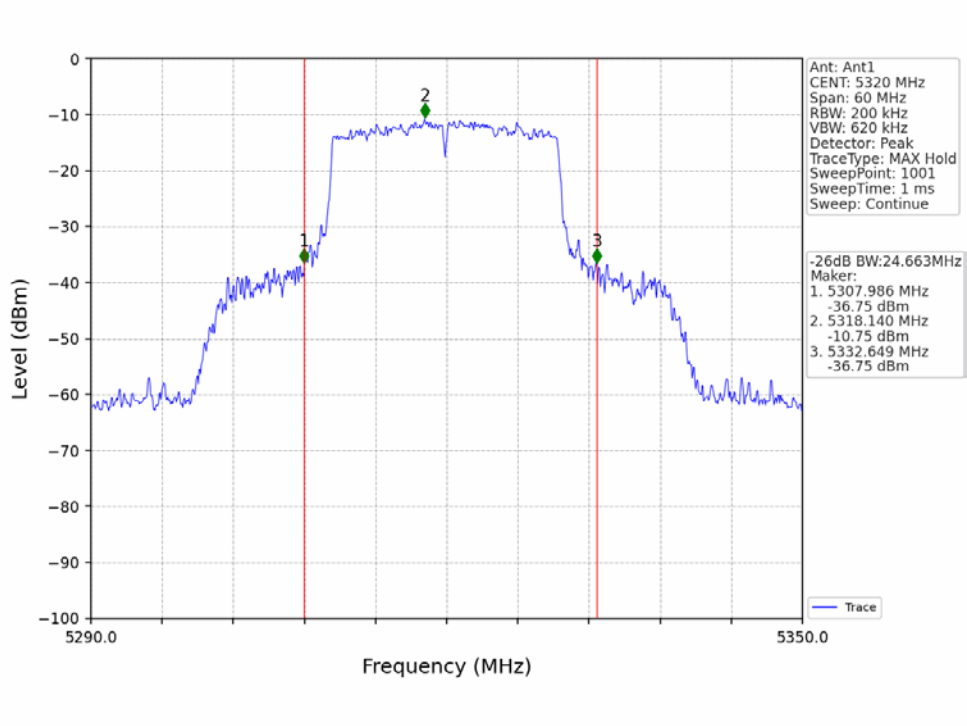
802.11ax(HEW20)_LCH_5260MHz_RU242_Left_Ant1_NTNV



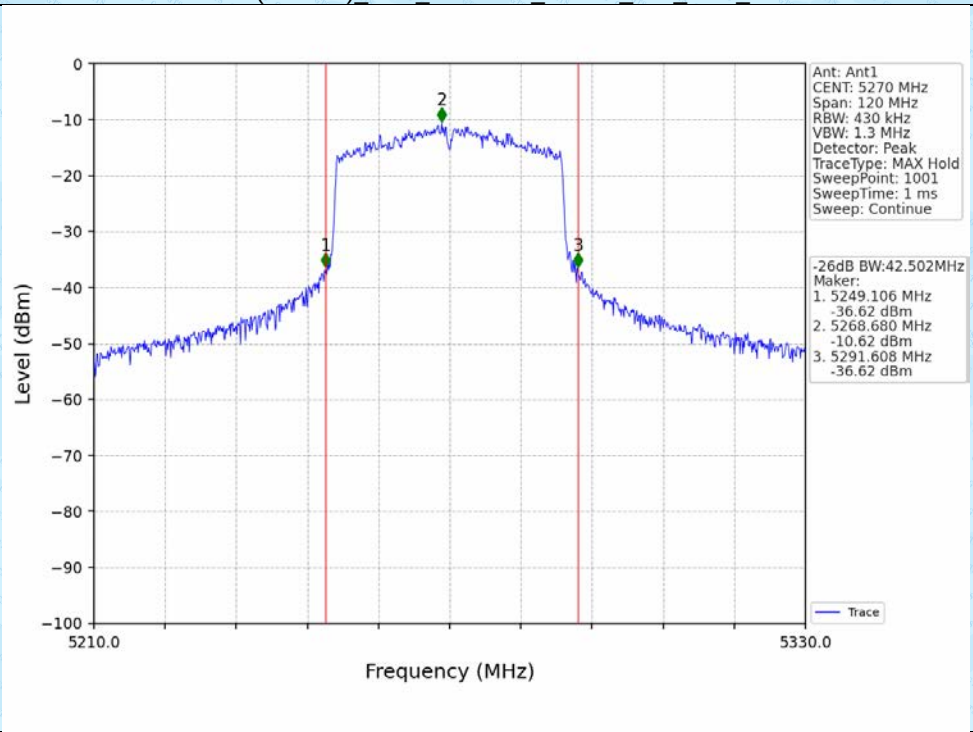
802.11ax(HEW20)_MCH_5300MHz_RU242_Left_Ant1_NTNV



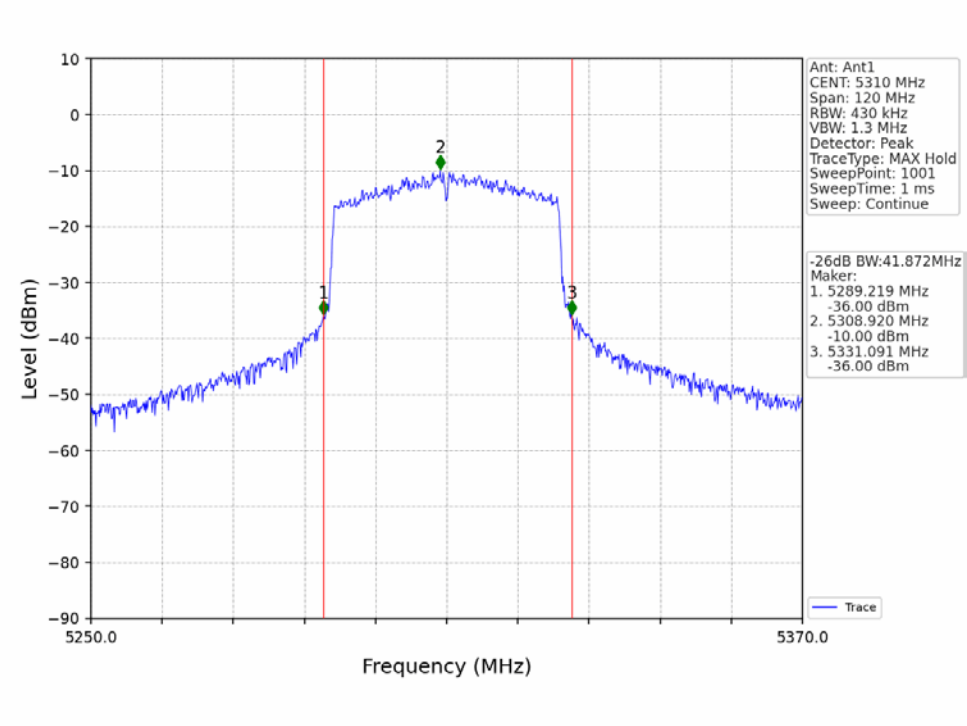
802.11ax(HEW20)_HCH_5320MHz_RU242_Left_Ant1_NTNV



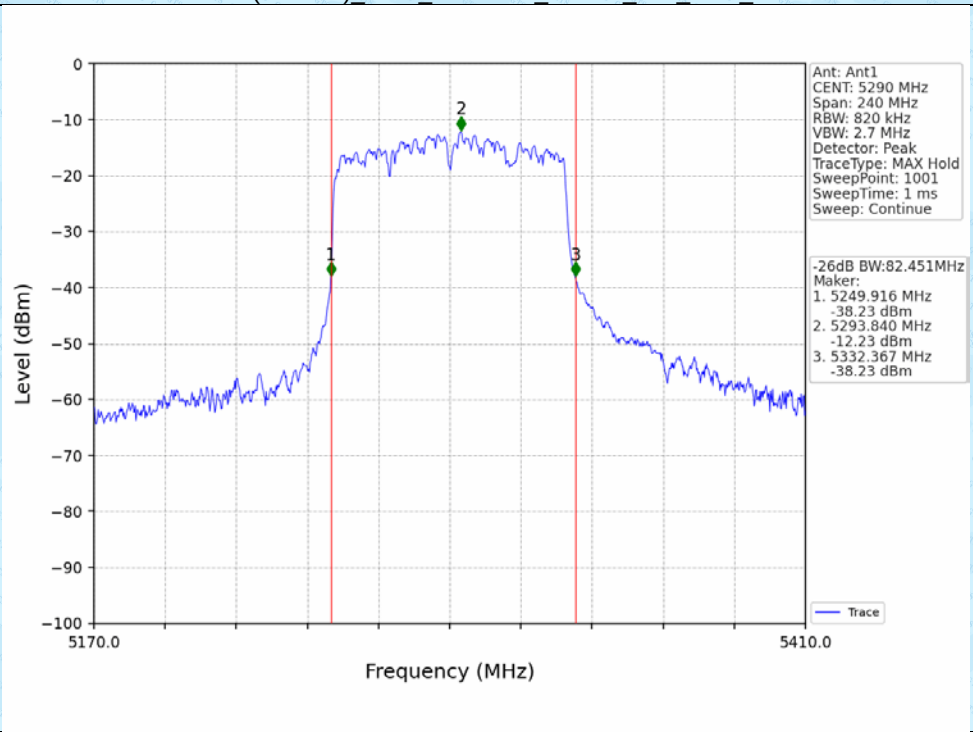
802.11ax(HEW40)_LCH_5270MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5310MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5290MHz_RU996_Left_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5260	/	/	6.70	7.66	/	<=23.98	Pass
		5300	/	/	5.92	6.00	/	<=23.98	Pass
		5320	/	/	6.29	6.69	/	<=23.98	Pass
802.11n (HT20)	MIMO	5260	/	/	5.19	4.26	7.76	<=23.98	Pass
		5300	/	/	5.91	4.50	8.27	<=23.98	Pass
		5320	/	/	5.84	4.74	8.34	<=23.98	Pass
802.11n (HT40)	MIMO	5270	/	/	3.39	3.88	6.65	<=23.98	Pass
		5310	/	/	4.53	4.69	7.62	<=23.98	Pass
802.11ac (VHT20)	MIMO	5260	/	/	5.26	4.25	7.79	<=23.98	Pass
		5300	/	/	5.13	4.57	7.87	<=23.98	Pass
		5320	/	/	5.87	4.87	8.41	<=23.98	Pass
802.11ac (VHT40)	MIMO	5270	/	/	3.65	3.32	6.50	<=23.98	Pass
		5310	/	/	4.59	4.74	7.68	<=23.98	Pass
802.11ac (VHT80)	MIMO	5290	/	/	3.47	3.20	6.35	<=23.98	Pass
802.11ax (HEW20)	MIMO	5260	RU242	Left	-1.04	-1.65	1.68	<=23.98	Pass
		5300	RU242	Left	-0.87	-1.21	1.97	<=23.98	Pass
		5320	RU242	Left	-0.91	-0.95	2.08	<=23.98	Pass
802.11ax (HEW40)	MIMO	5270	RU484	Left	-2.57	-2.62	0.42	<=23.98	Pass
		5310	RU484	Left	-2.79	-2.45	0.39	<=23.98	Pass
802.11ax (HEW80)	MIMO	5290	RU996	Left	-2.48	-2.54	0.50	<=23.98	Pass
Note1: Antenna Gain: Ant1: 2.53dBi; Ant2: 2.53dBi; Note2: Directional Gain: 2.53dBi,									

4. Maximum Power Spectral Density

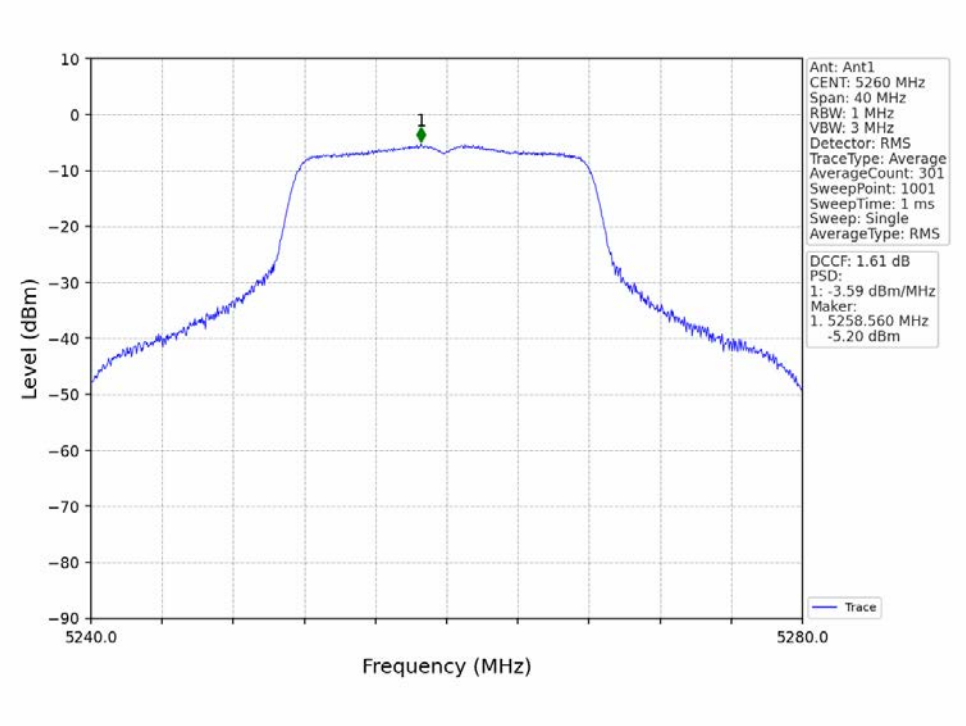
4.1 PSD

4.1.1 Test Result

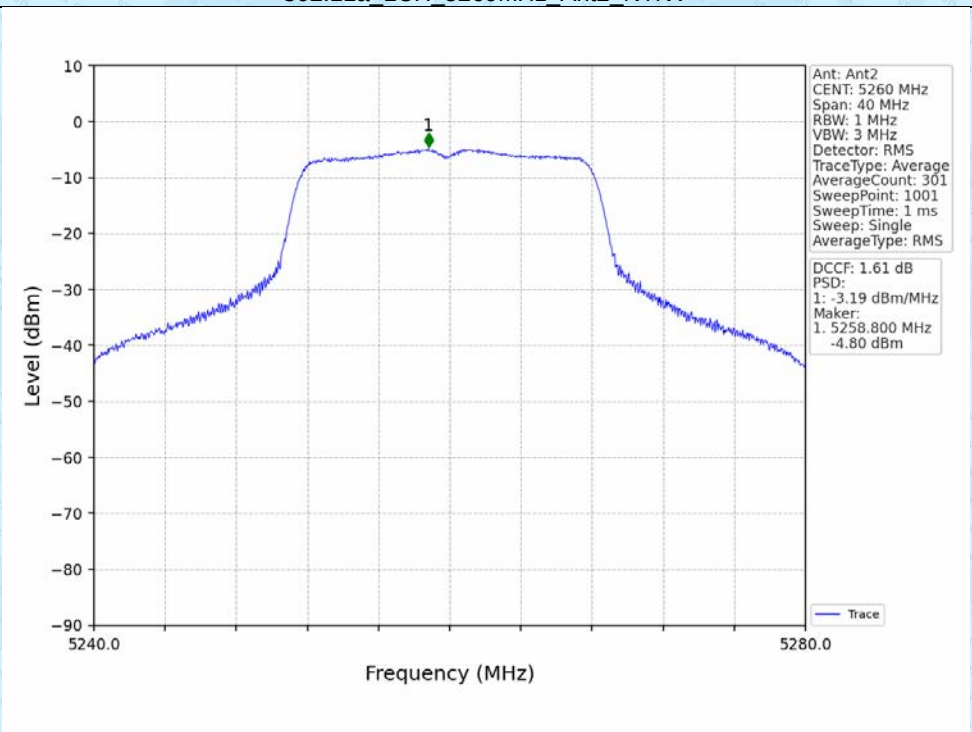
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5260	/	/	-3.59	-3.19	/	<=11	Pass
		5300	/	/	-4.72	-4.39	/	<=11	Pass
		5320	/	/	-4.66	-4.10	/	<=11	Pass
802.11n (HT20)	MIMO	5260	/	/	-5.35	-6.60	-2.94	<=11	Pass
		5300	/	/	-5.03	-5.10	-2.17	<=11	Pass
		5320	/	/	-5.24	-5.48	-2.45	<=11	Pass
802.11n (HT40)	MIMO	5270	/	/	-9.65	-9.88	-6.83	<=11	Pass
		5310	/	/	-8.55	-7.81	-5.22	<=11	Pass
802.11ac (VHT20)	MIMO	5260	/	/	-5.50	-6.60	-3.10	<=11	Pass
		5300	/	/	-5.31	-4.80	-2.06	<=11	Pass
		5320	/	/	-5.07	-5.00	-2.06	<=11	Pass
802.11ac (VHT40)	MIMO	5270	/	/	-8.97	-9.60	-6.41	<=11	Pass
		5310	/	/	-8.52	-7.70	-5.22	<=11	Pass
802.11ac (VHT80)	MIMO	5290	/	/	-12.35	-12.50	-9.53	<=11	Pass
802.11ax (HEW20)	MIMO	5260	RU242	Left	-12.28	-12.65	-9.55	<=11	Pass
		5300	RU242	Left	-11.89	-12.23	-9.18	<=11	Pass
		5320	RU242	Left	-11.97	-11.99	-9.10	<=11	Pass
802.11ax (HEW40)	MIMO	5270	RU484	Left	-15.56	-15.16	-12.72	<=11	Pass
		5310	RU484	Left	-15.66	-14.89	-12.57	<=11	Pass
802.11ax (HEW80)	MIMO	5290	RU996	Left	-18.33	-18.15	-15.32	<=11	Pass
Note1: Antenna Gain: Ant1: 2.53dBi; Ant2: 2.53dBi; Note2: Directional Gain: 5.54dBi, Note3: Result contains DCCF									

4.1.2 Test Graph

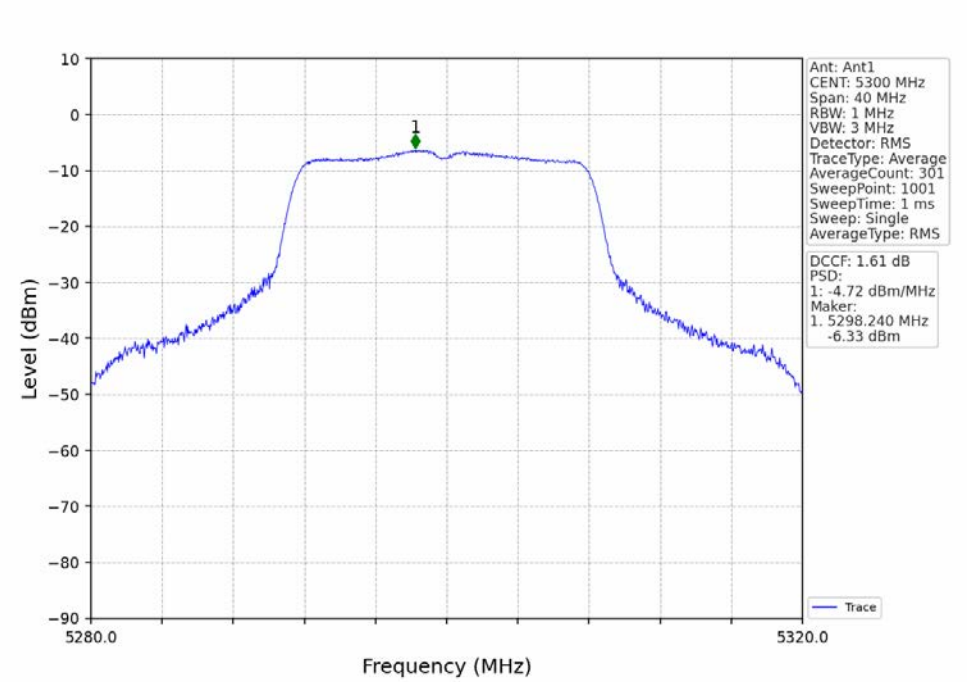
802.11a_LCH_5260MHz_Ant1_NTNV



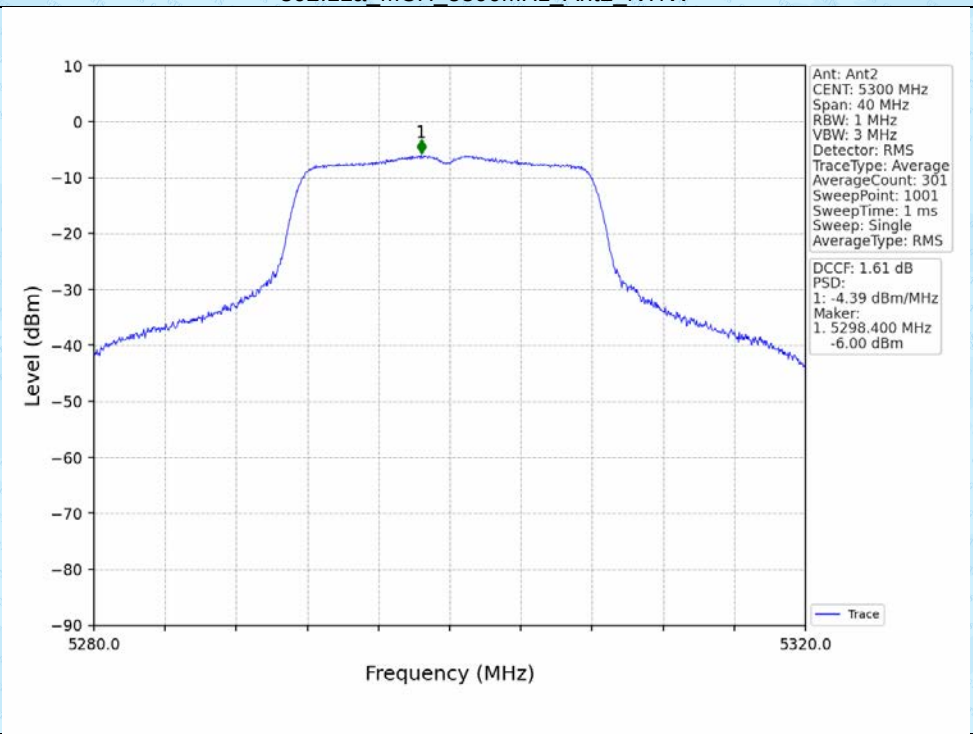
802.11a_LCH_5260MHz_Ant2_NTNV



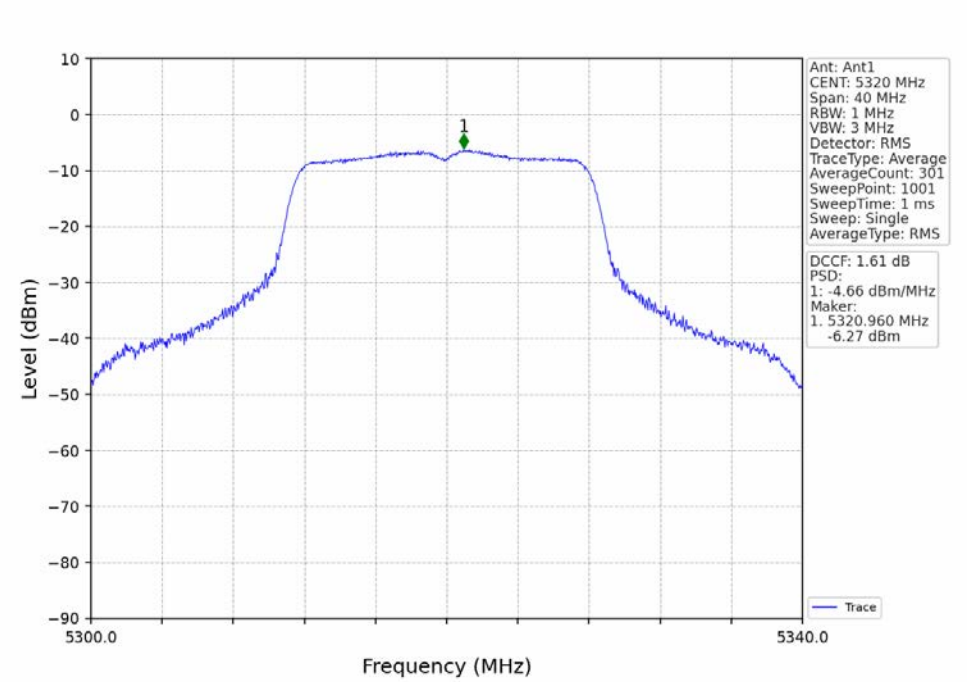
802.11a_MCH_5300MHz_Ant1_NTNV



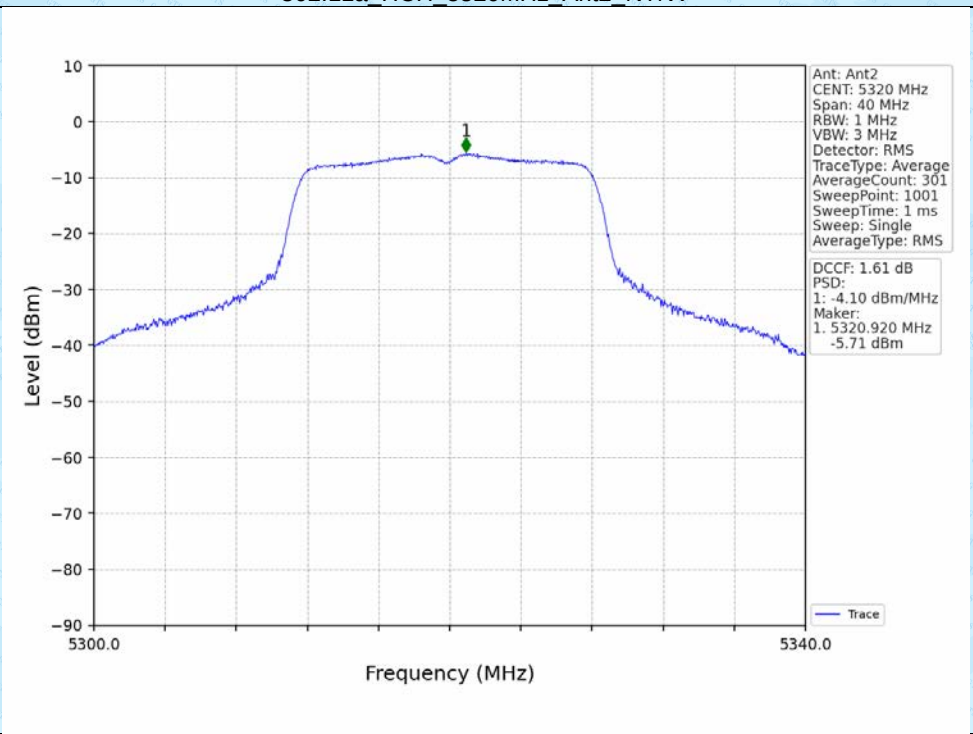
802.11a_MCH_5300MHz_Ant2_NTNV



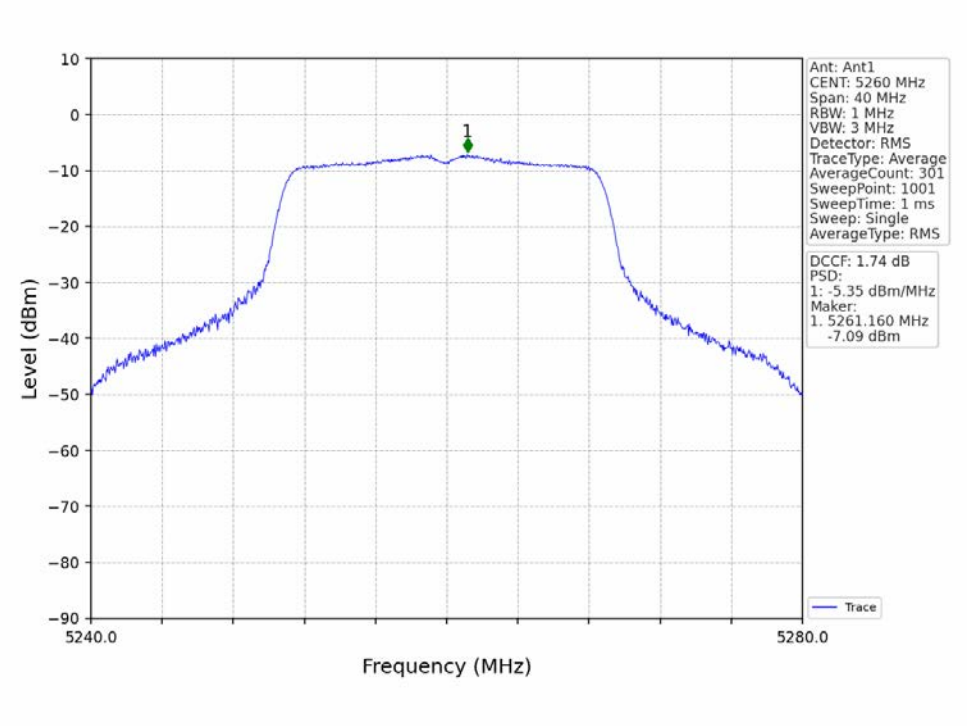
802.11a_HCH_5320MHz_Ant1_NTNV



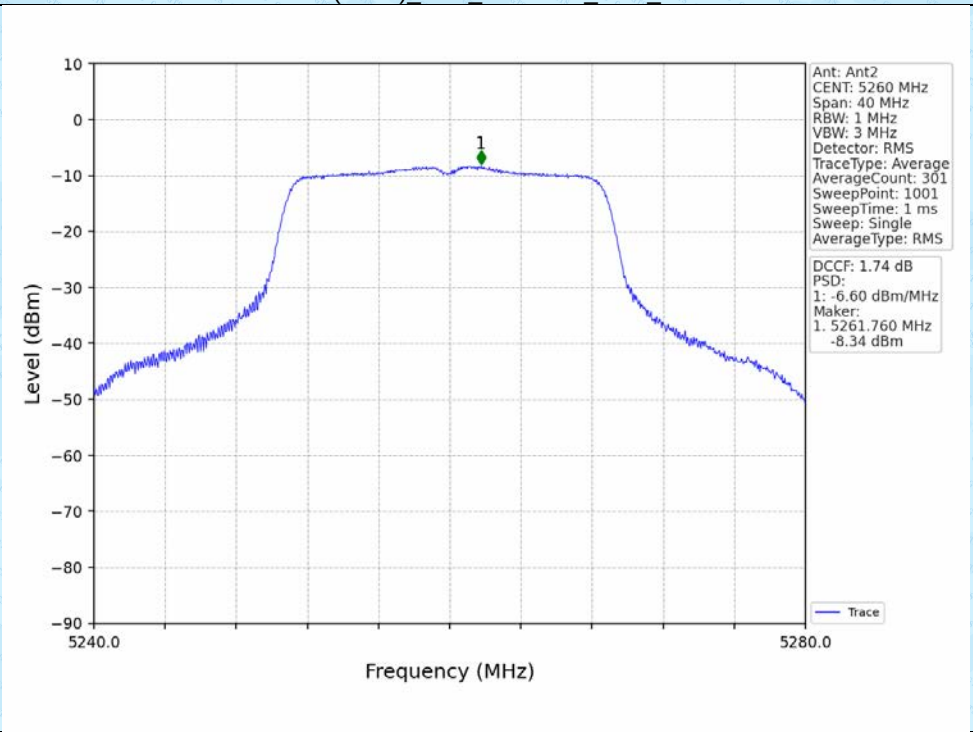
802.11a_HCH_5320MHz_Ant2_NTNV



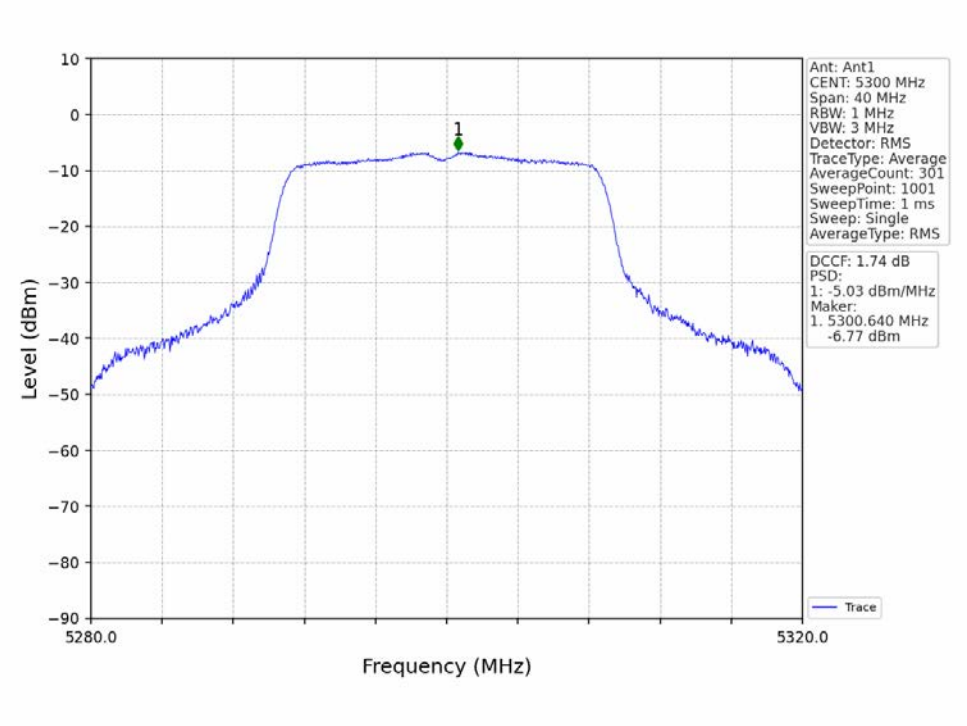
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



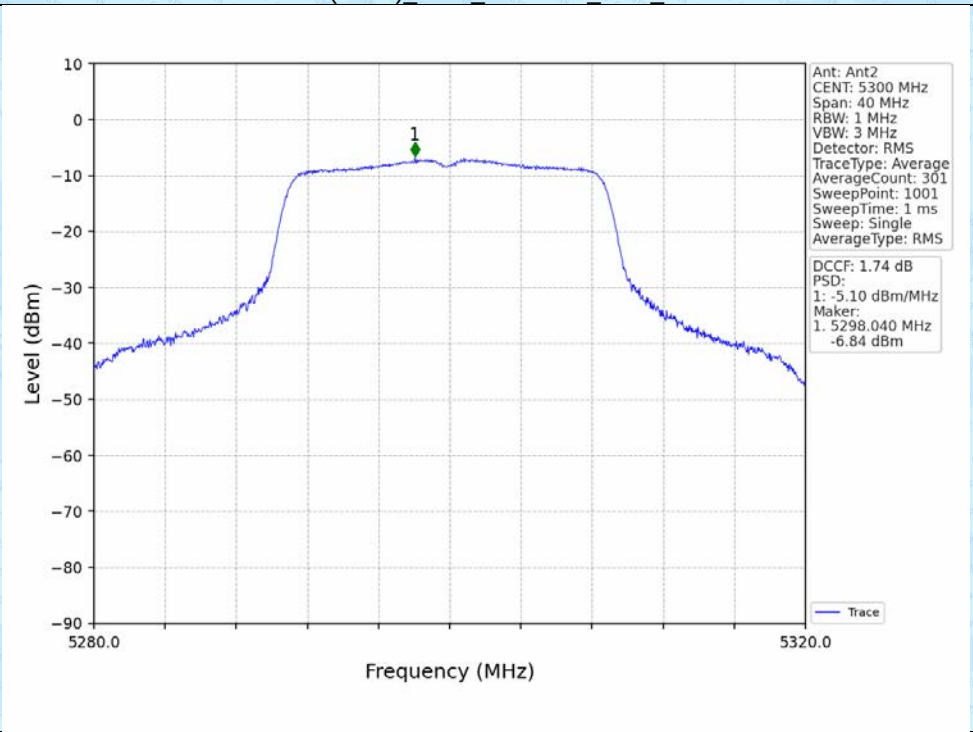
802.11n(HT20)_LCH_5260MHz_Ant2_NTNV



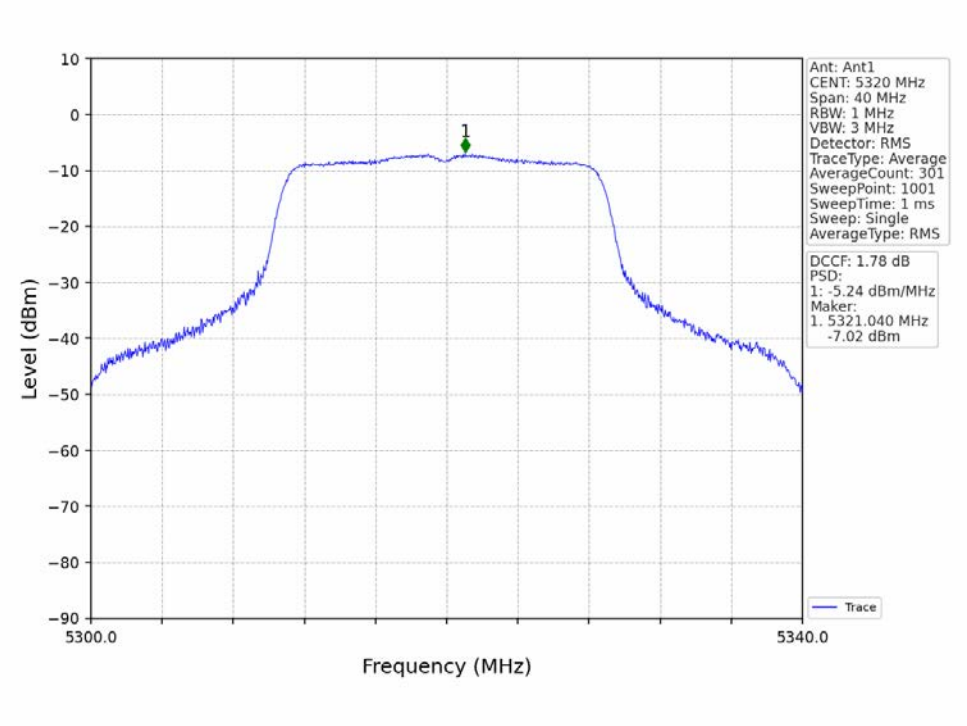
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



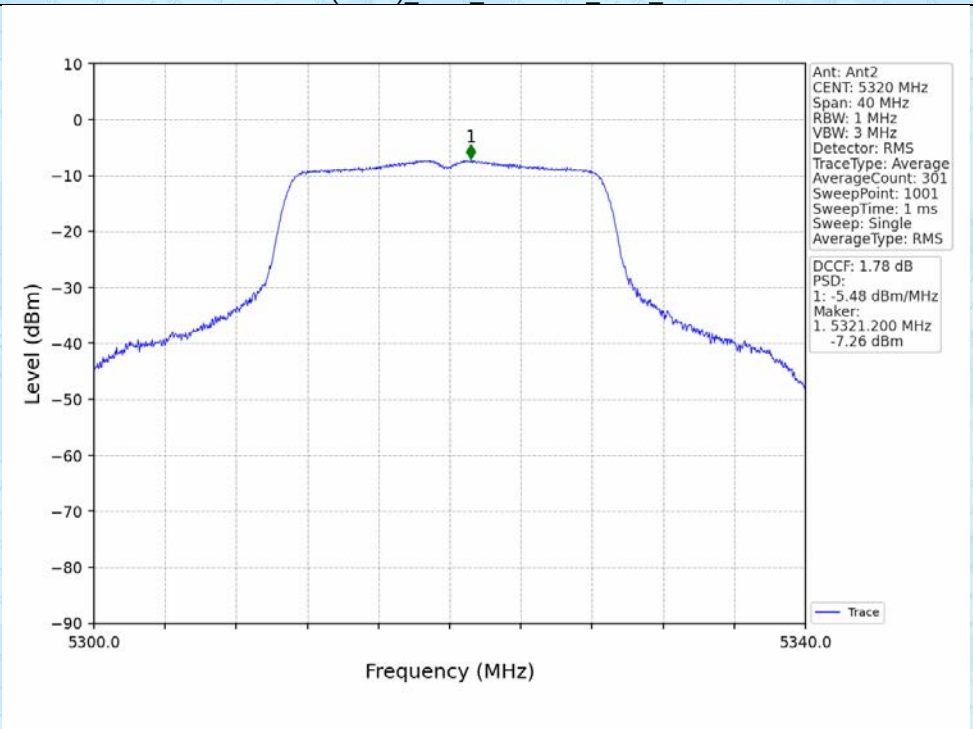
802.11n(HT20)_MCH_5300MHz_Ant2_NTNV



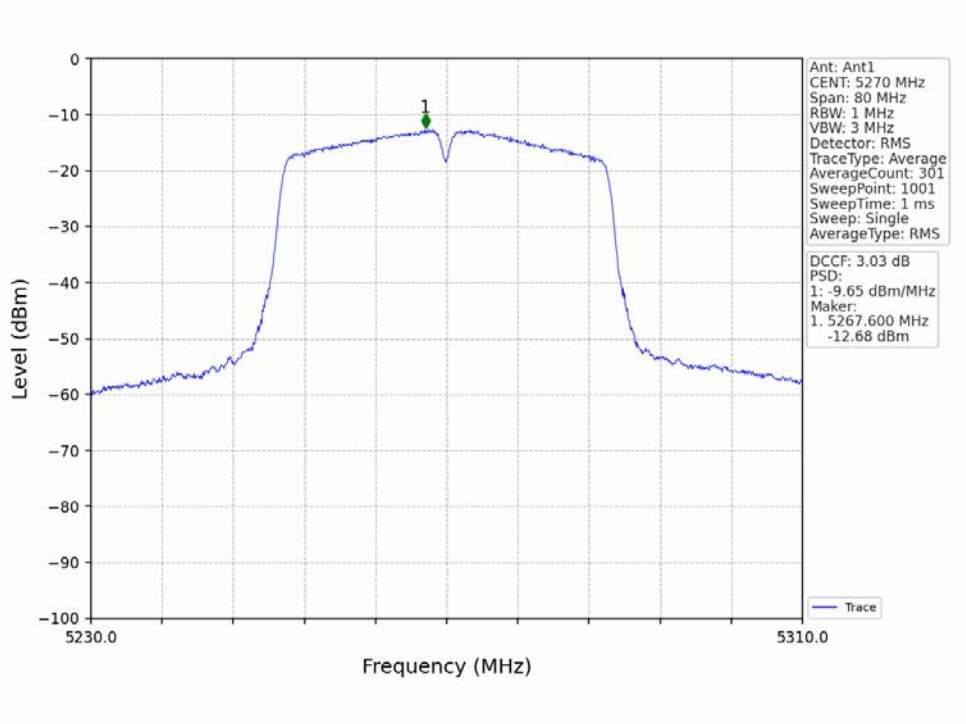
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



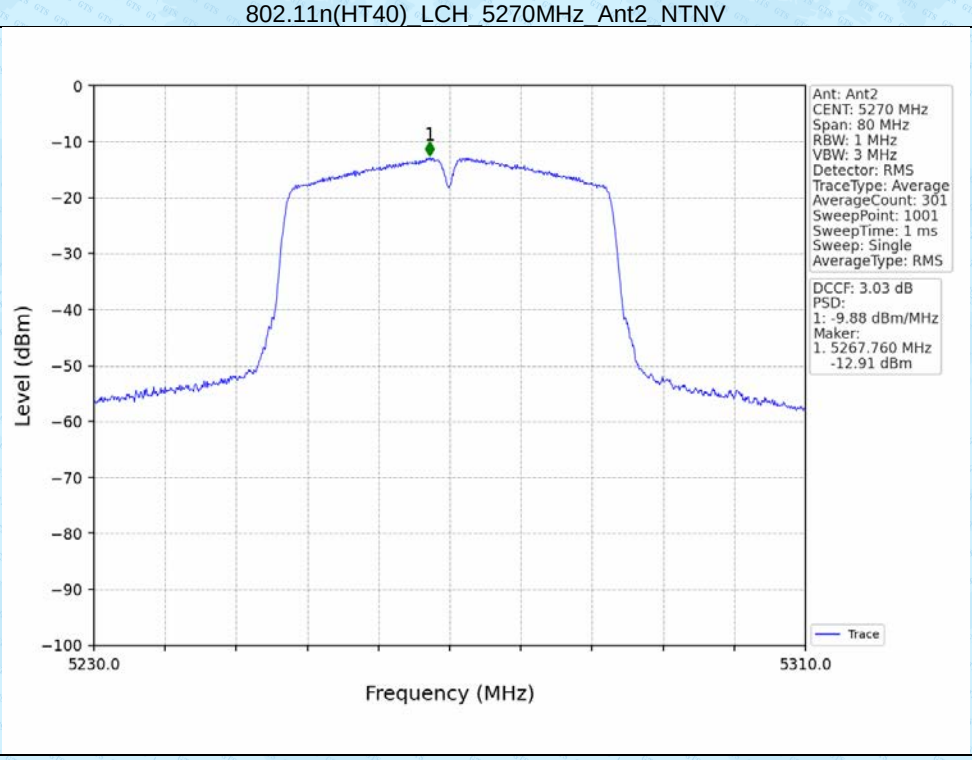
802.11n(HT20)_HCH_5320MHz_Ant2_NTNV



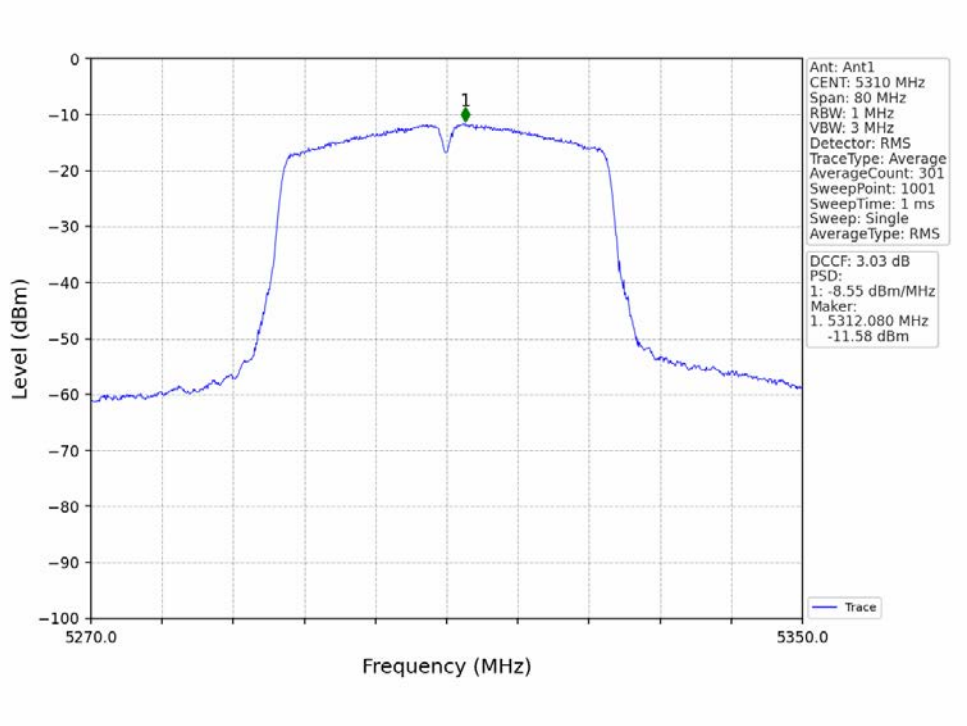
802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



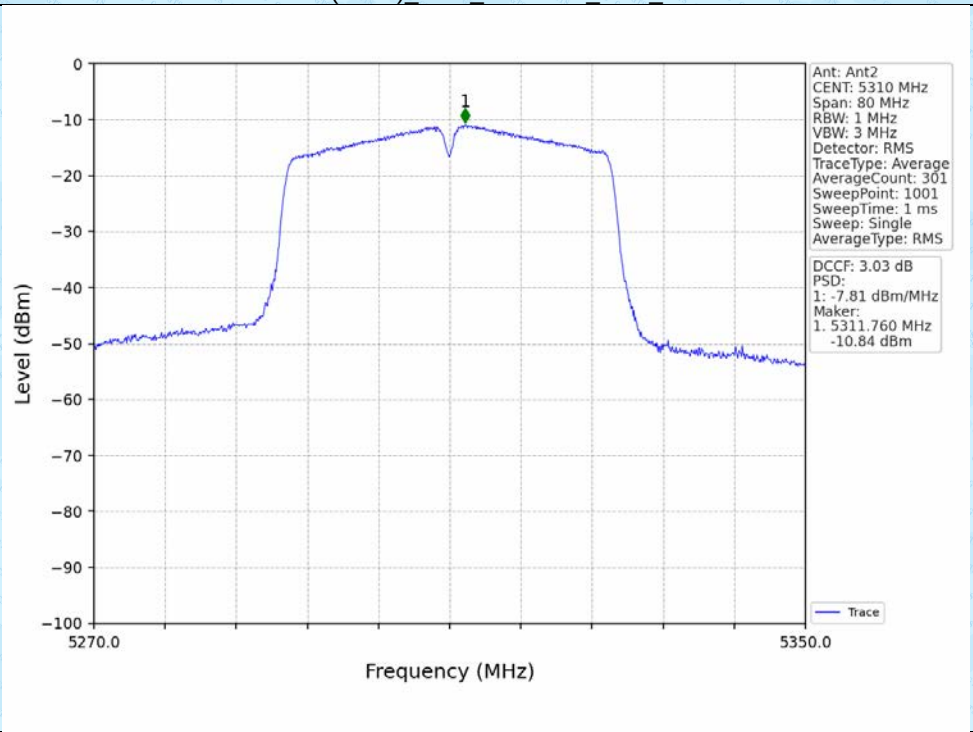
802.11n(HT40)_LCH_5270MHz_Ant2_NTNV



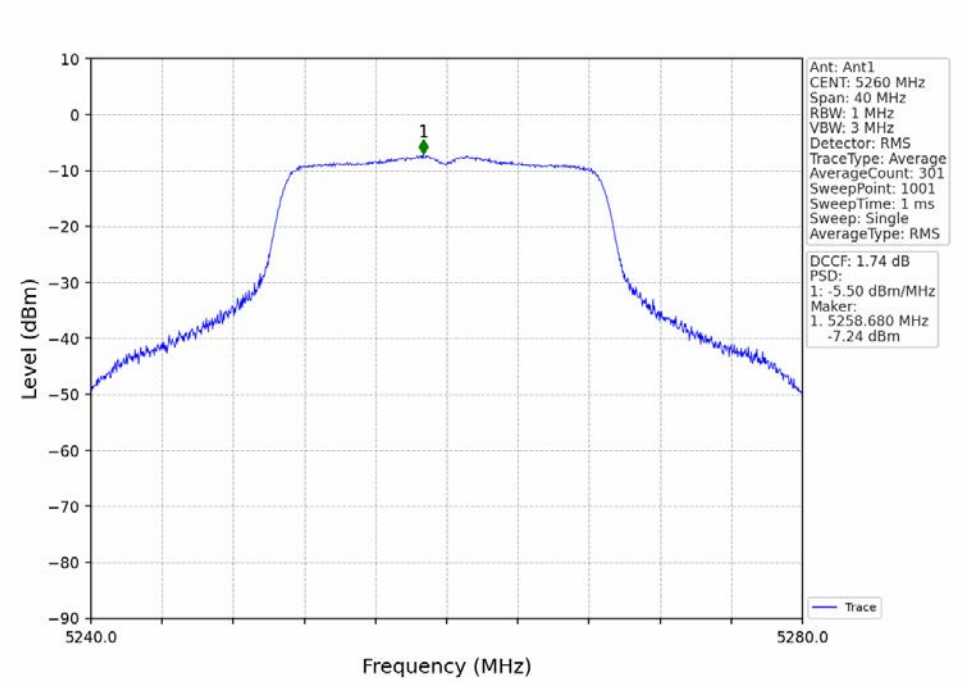
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



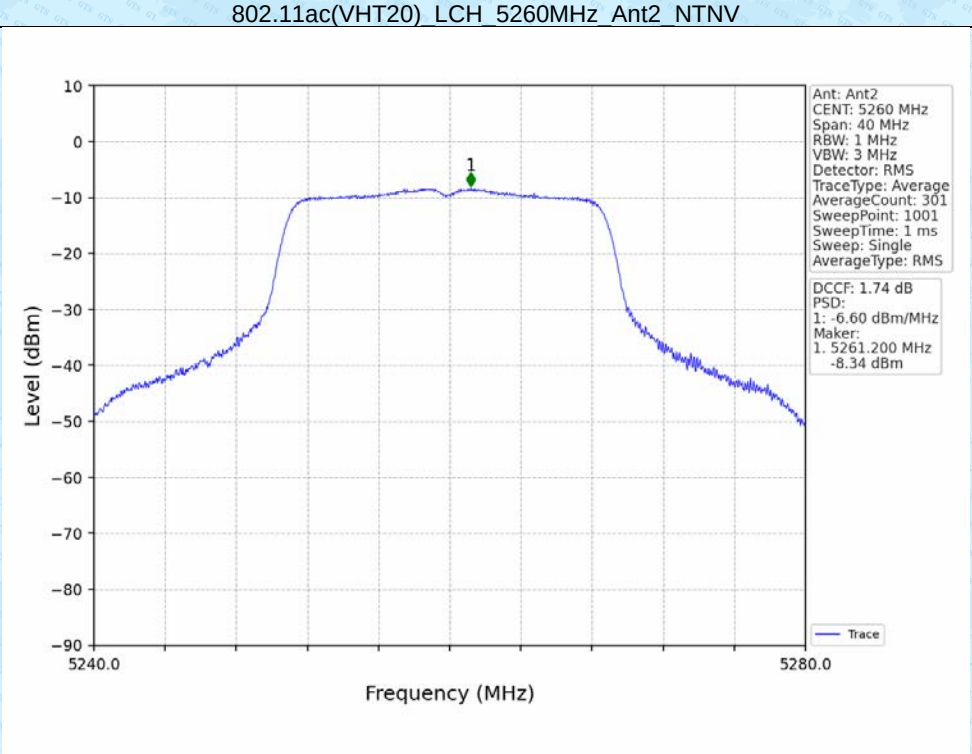
802.11n(HT40)_HCH_5310MHz_Ant2_NTNV



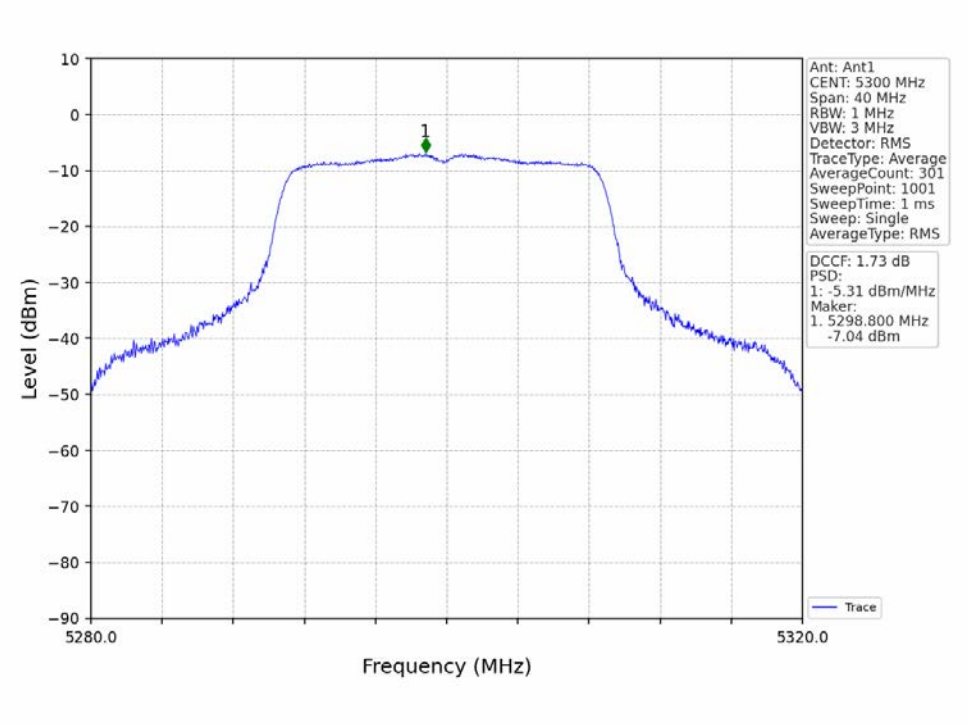
802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



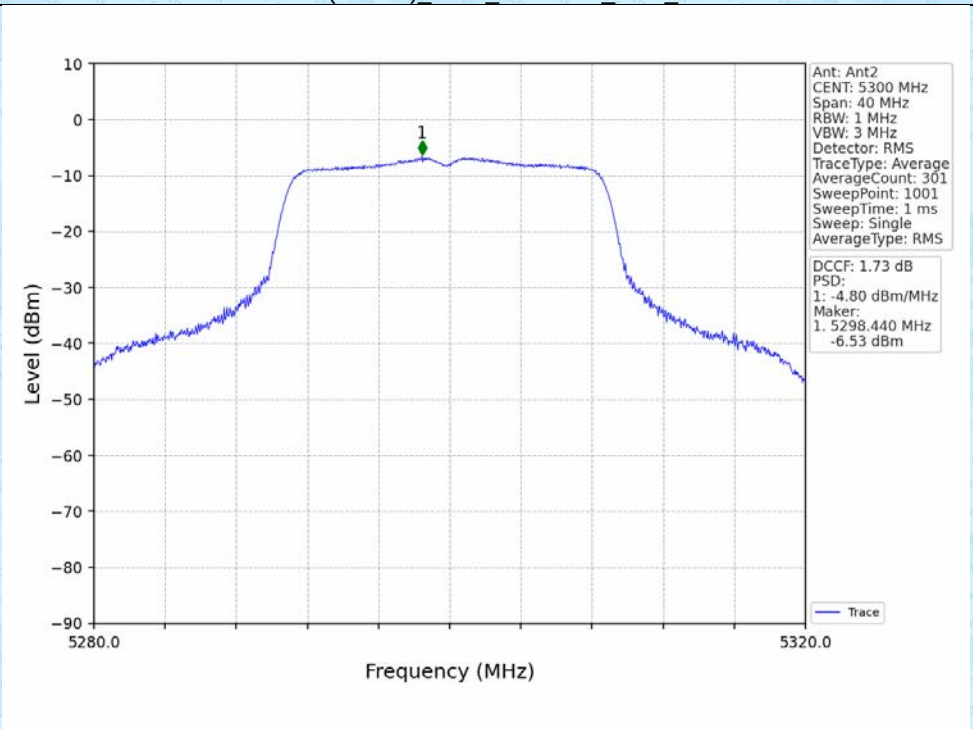
802.11ac(VHT20)_LCH_5260MHz_Ant2_NTNV



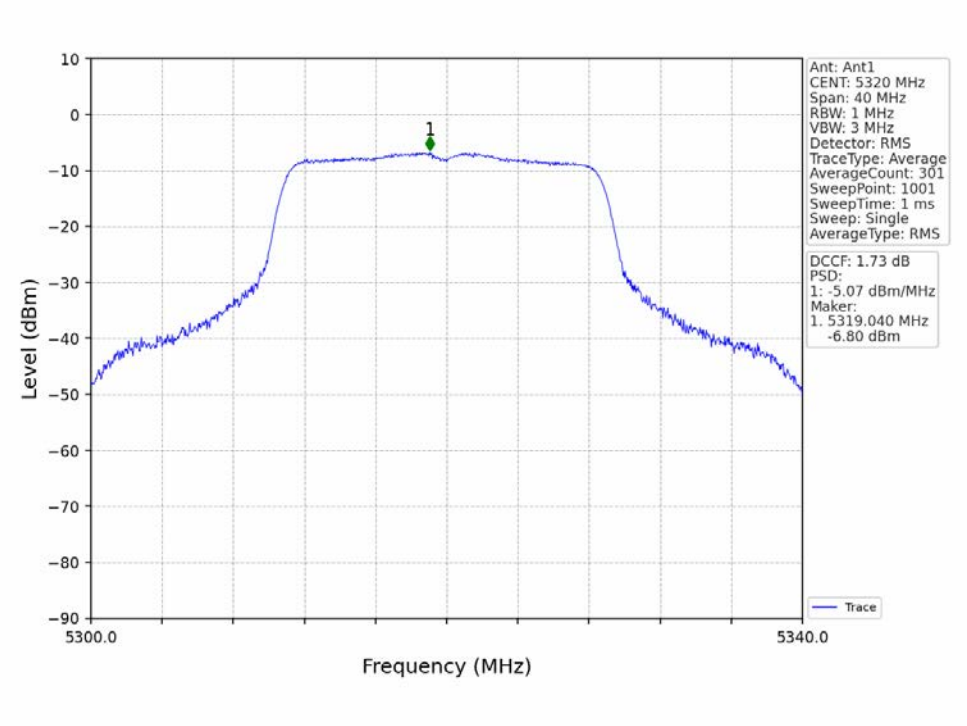
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



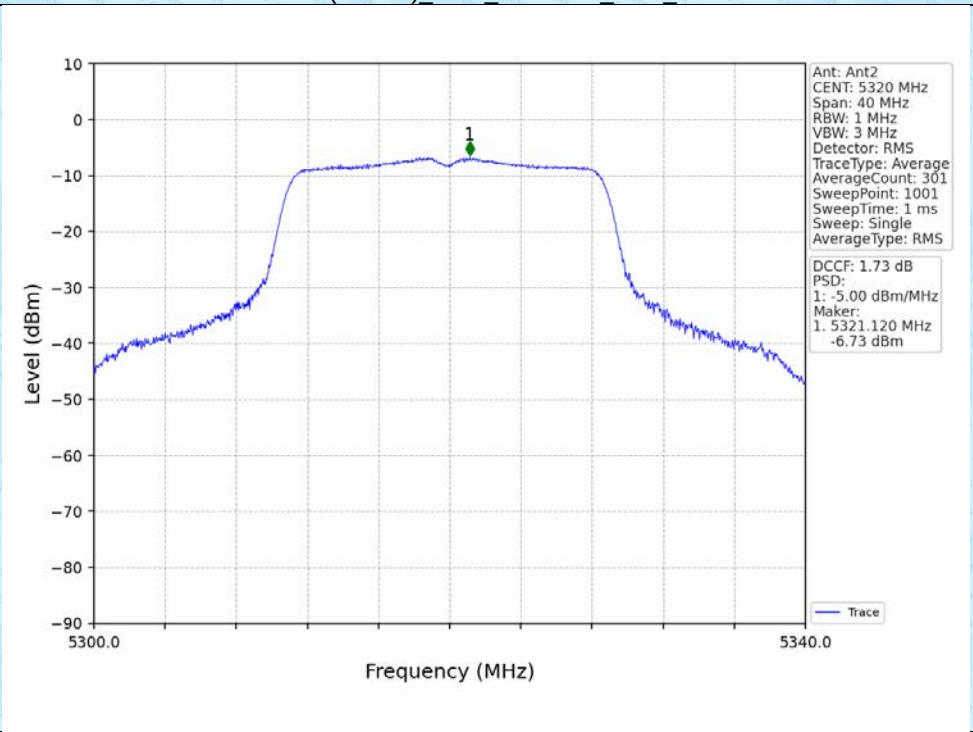
802.11ac(VHT20)_MCH_5300MHz_Ant2_NTNV



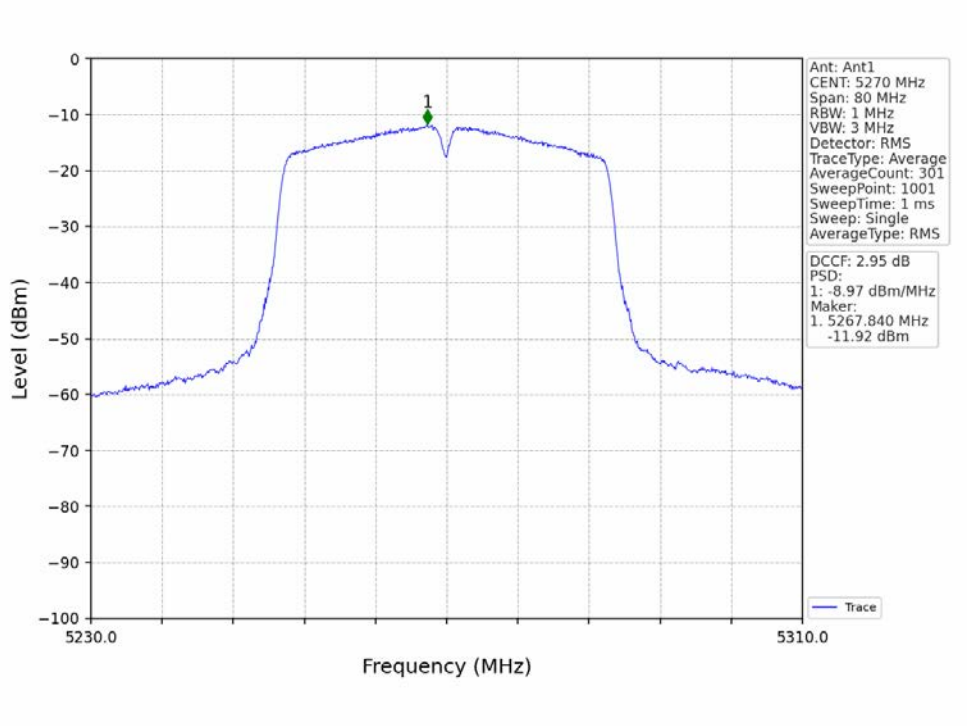
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



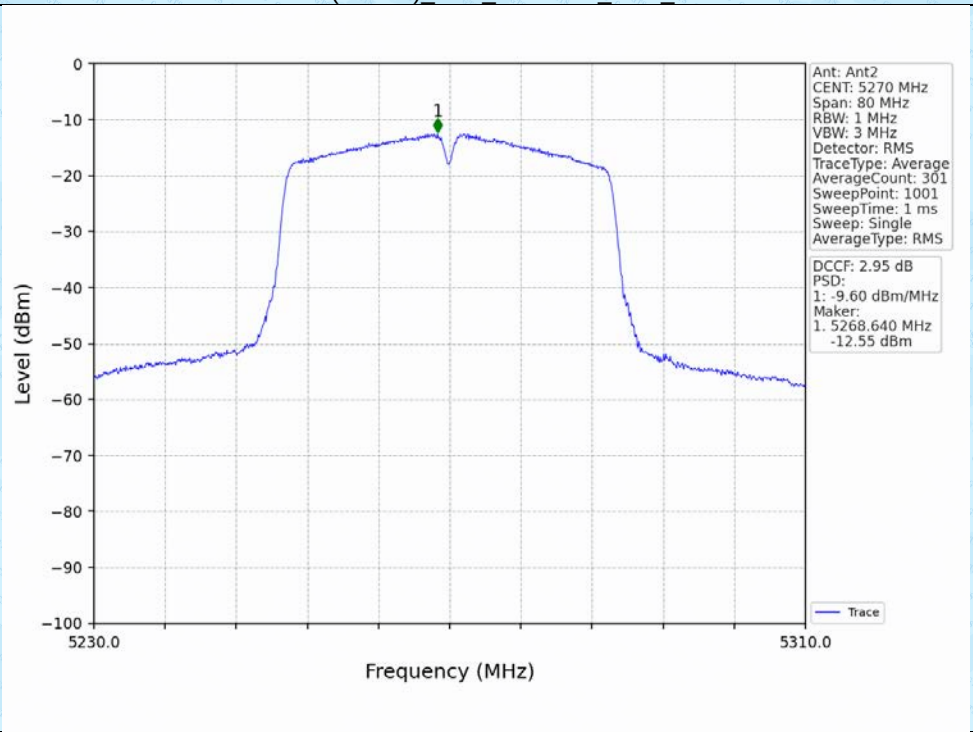
802.11ac(VHT20)_HCH_5320MHz_Ant2_NTNV



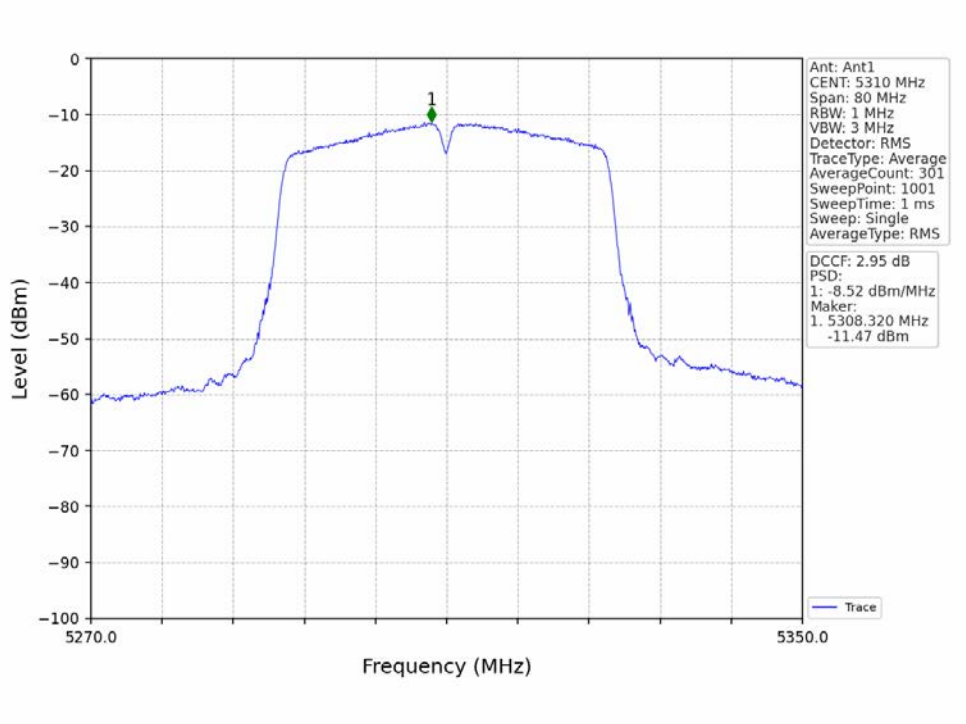
802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



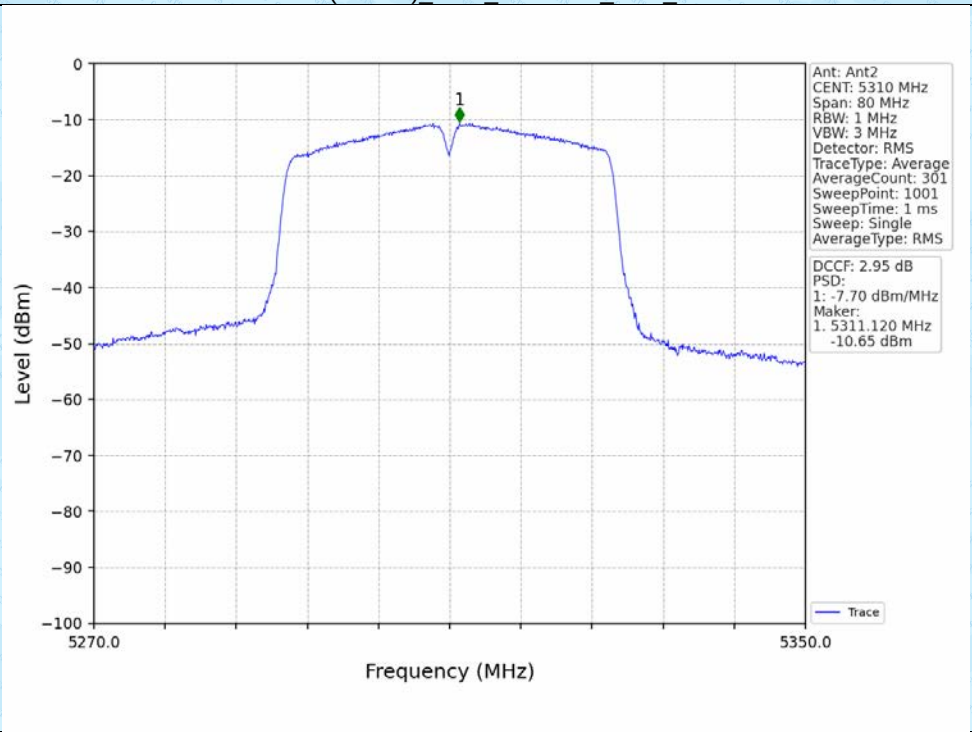
802.11ac(VHT40)_LCH_5270MHz_Ant2_NTNV



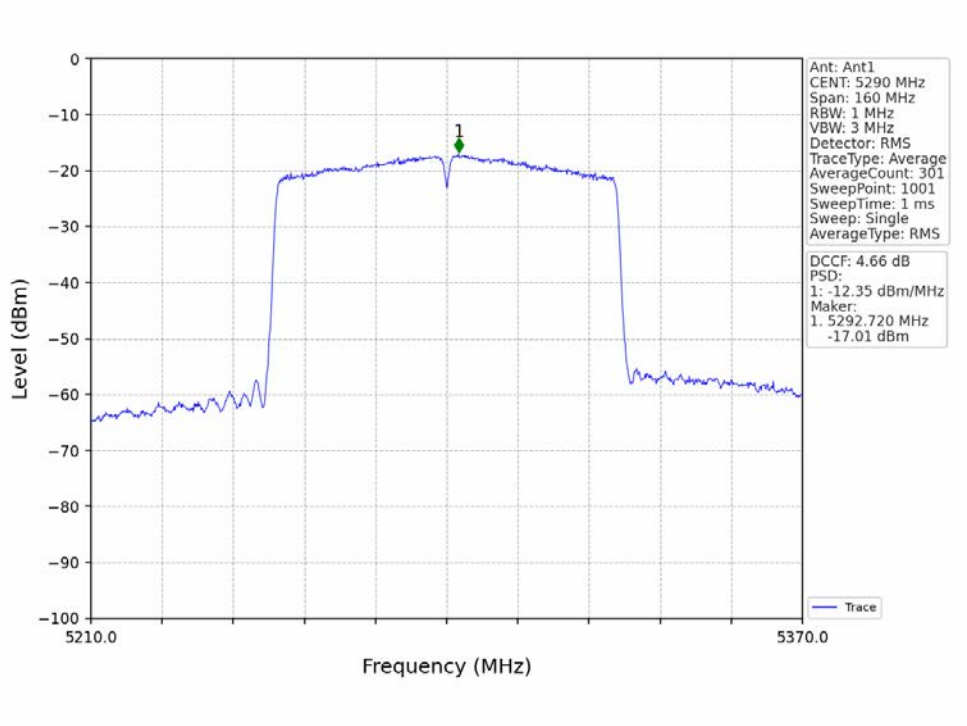
802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



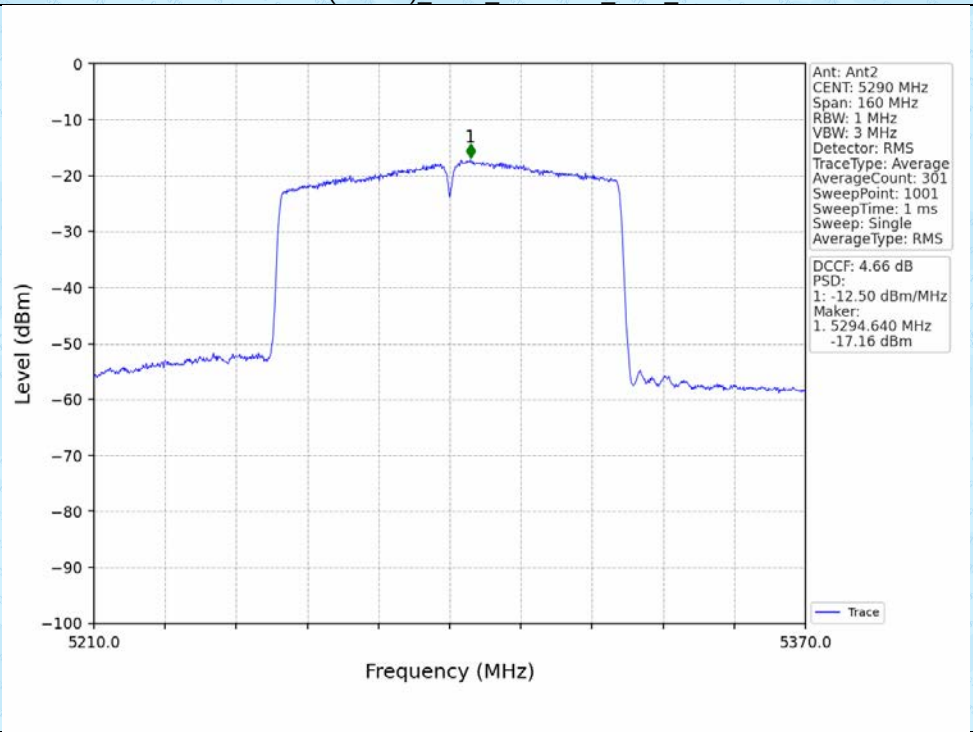
802.11ac(VHT40)_HCH_5310MHz_Ant2_NTNV



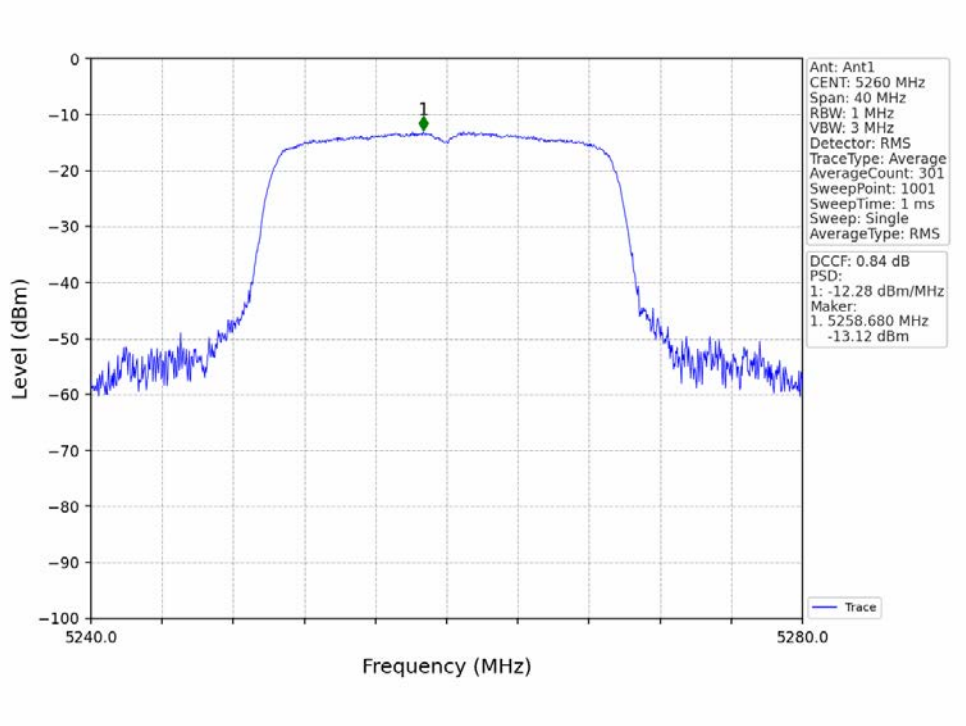
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



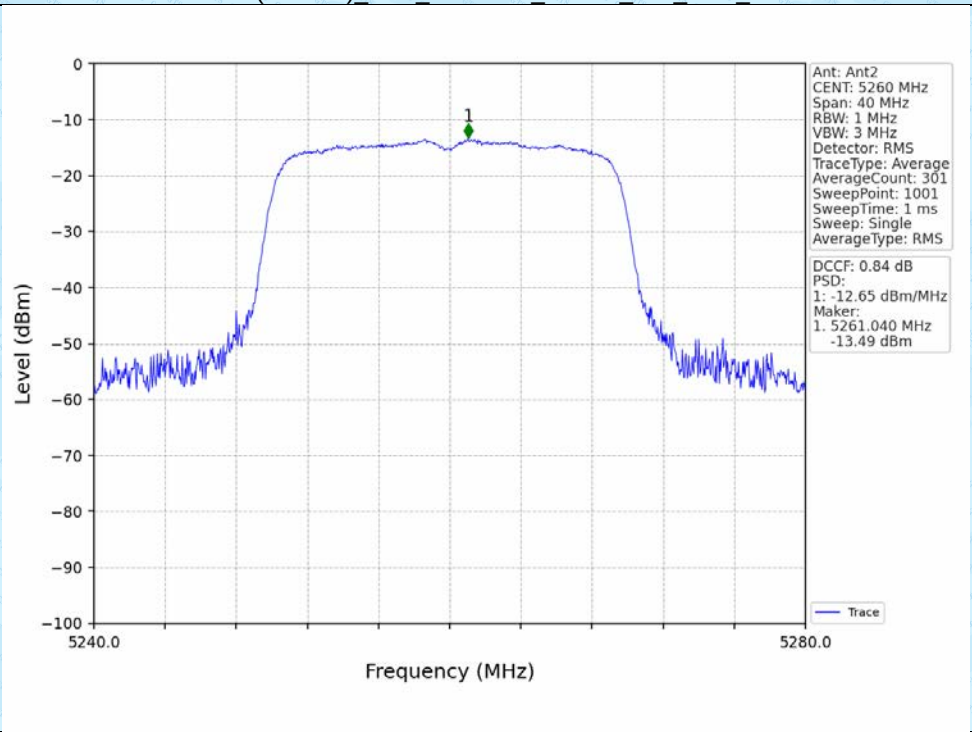
802.11ac(VHT80)_MCH_5290MHz_Ant2_NTNV



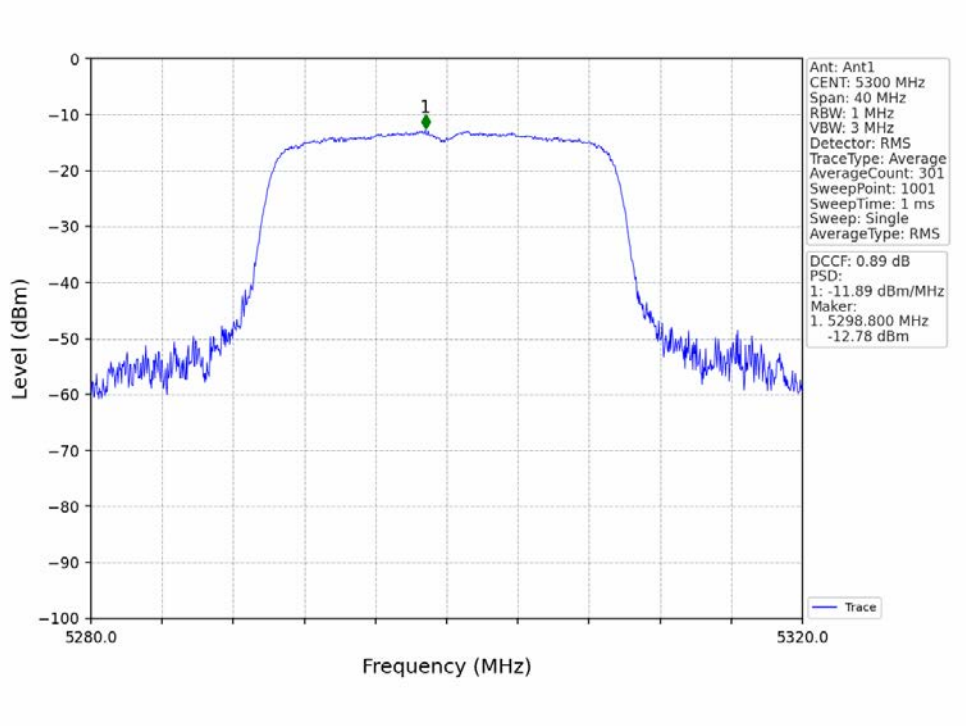
802.11ax(HEW20)_LCH_5260MHz_RU242_Left_Ant1_NTNV



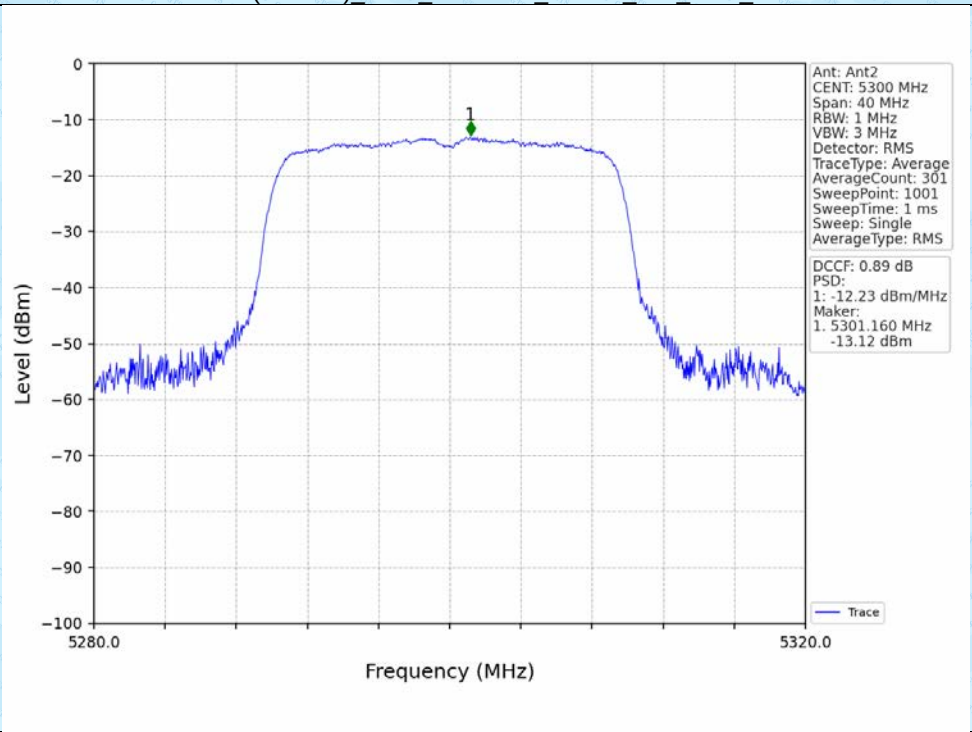
802.11ax(HEW20)_LCH_5260MHz_RU242_Left_Ant2_NTNV



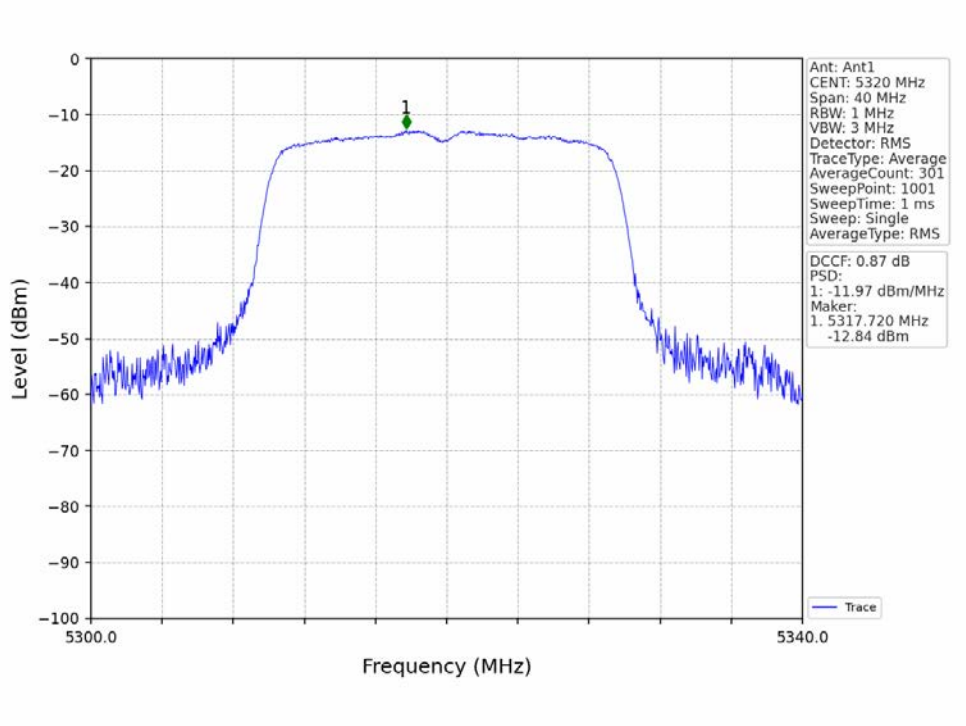
802.11ax(HEW20)_MCH_5300MHz_RU242_Left_Ant1_NTNV



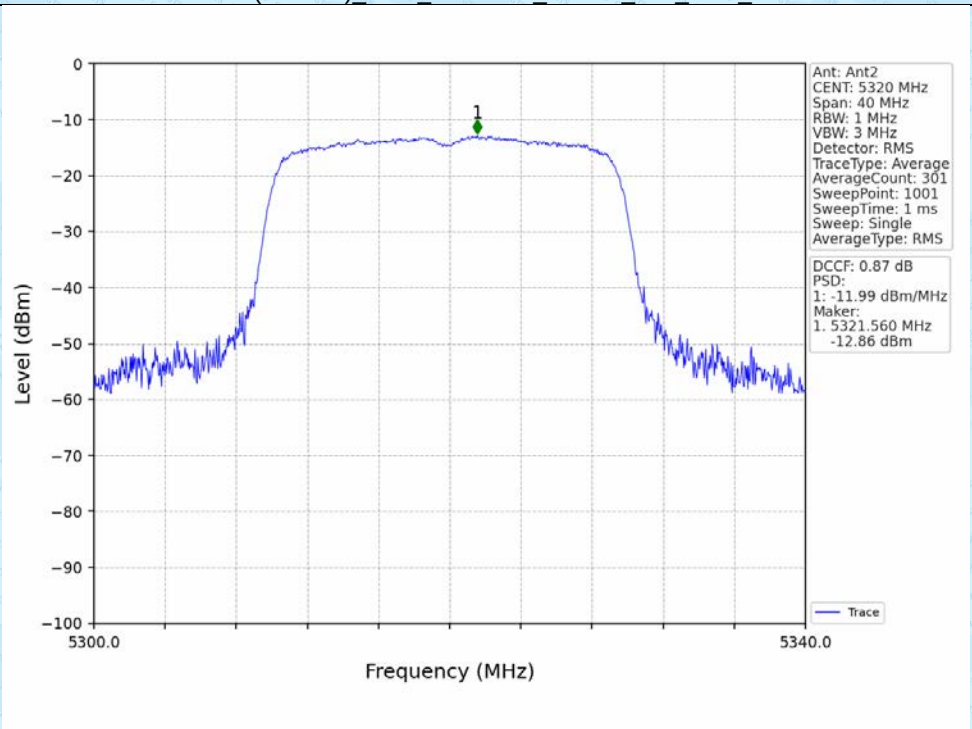
802.11ax(HEW20)_MCH_5300MHz_RU242_Left_Ant2_NTNV



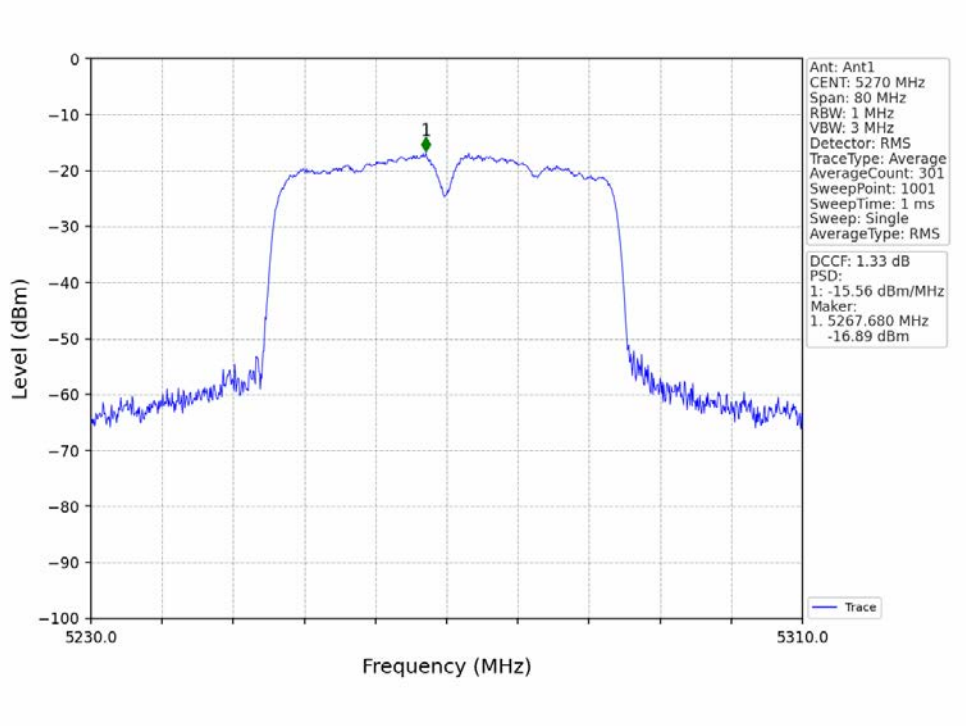
802.11ax(HEW20)_HCH_5320MHz_RU242_Left_Ant1_NTNV



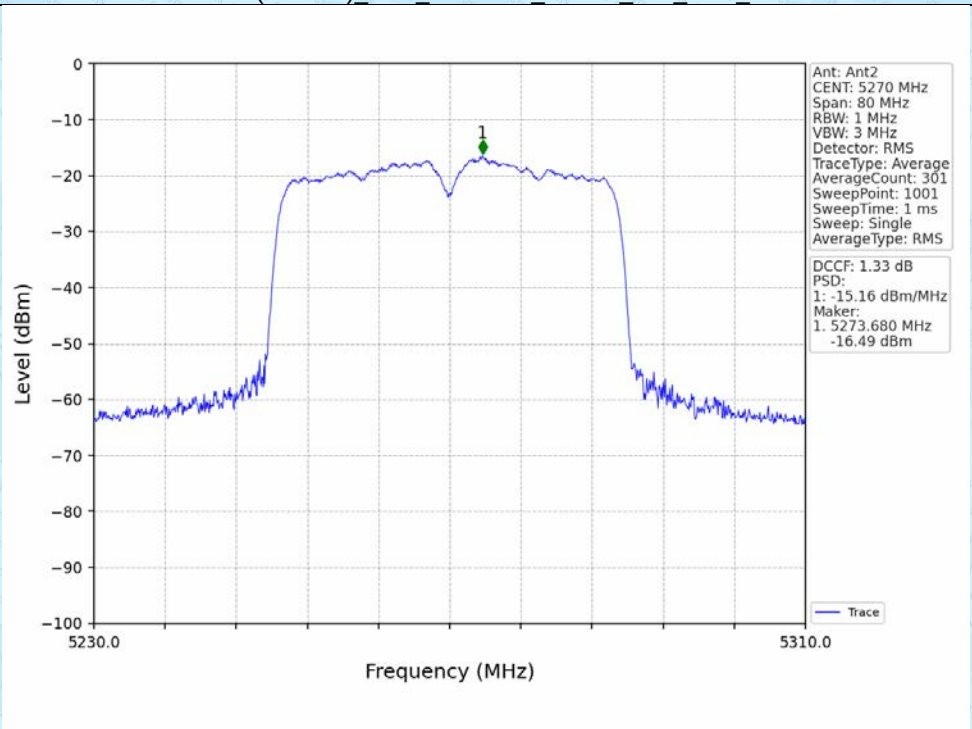
802.11ax(HEW20)_HCH_5320MHz_RU242_Left_Ant2_NTNV



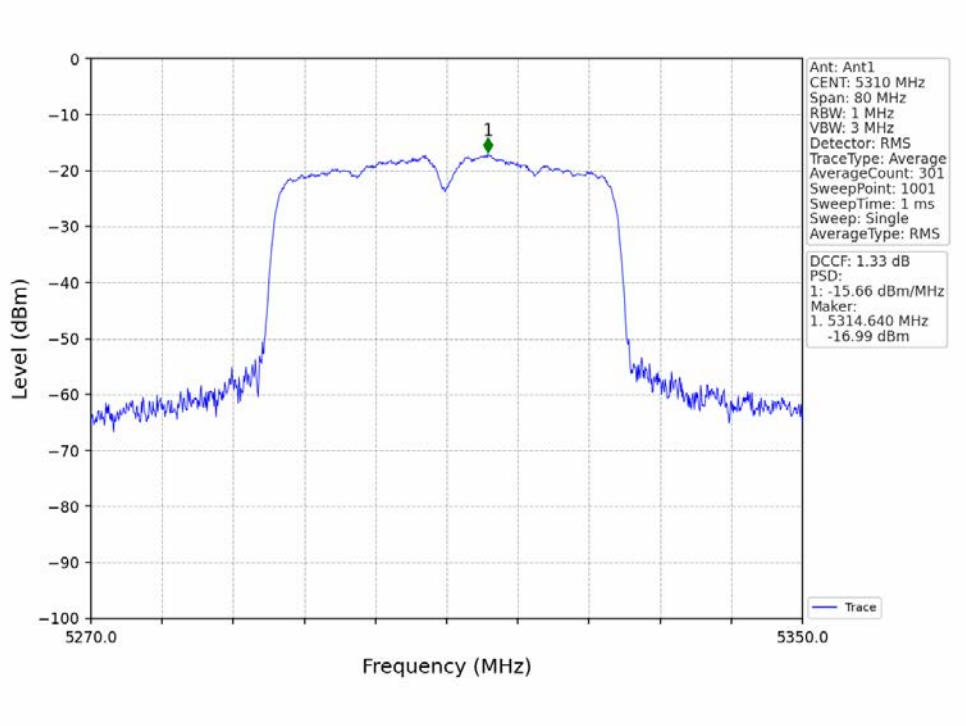
802.11ax(HEW40)_LCH_5270MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_LCH_5270MHz_RU484_Left_Ant2_NTNV



802.11ax(HEW40)_HCH_5310MHz_RU484_Left_Ant1_NTNV



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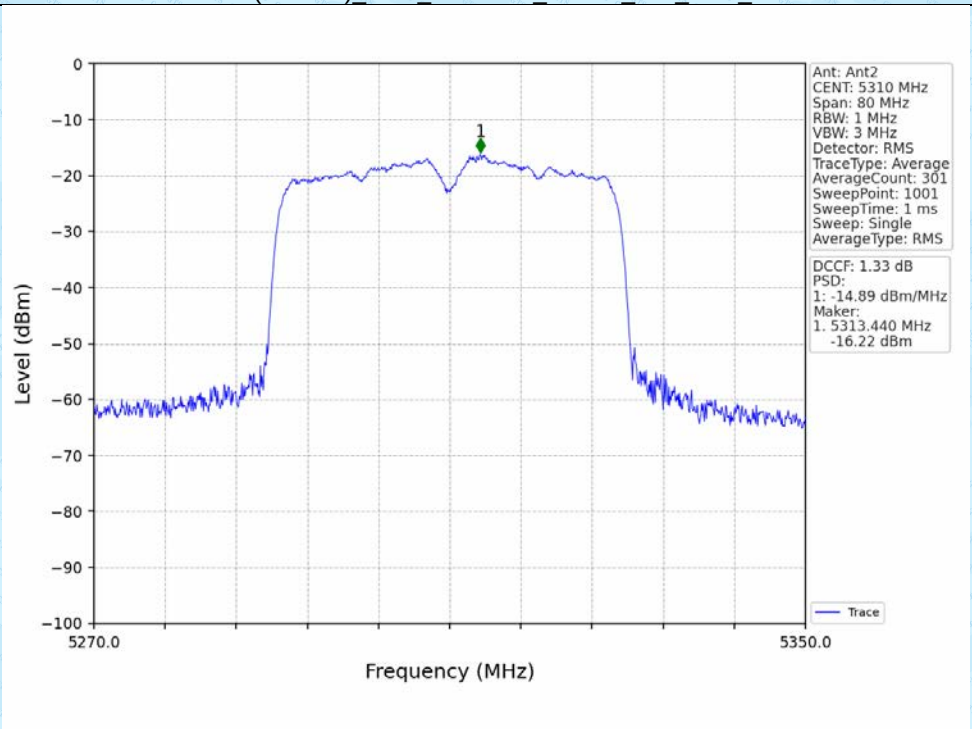
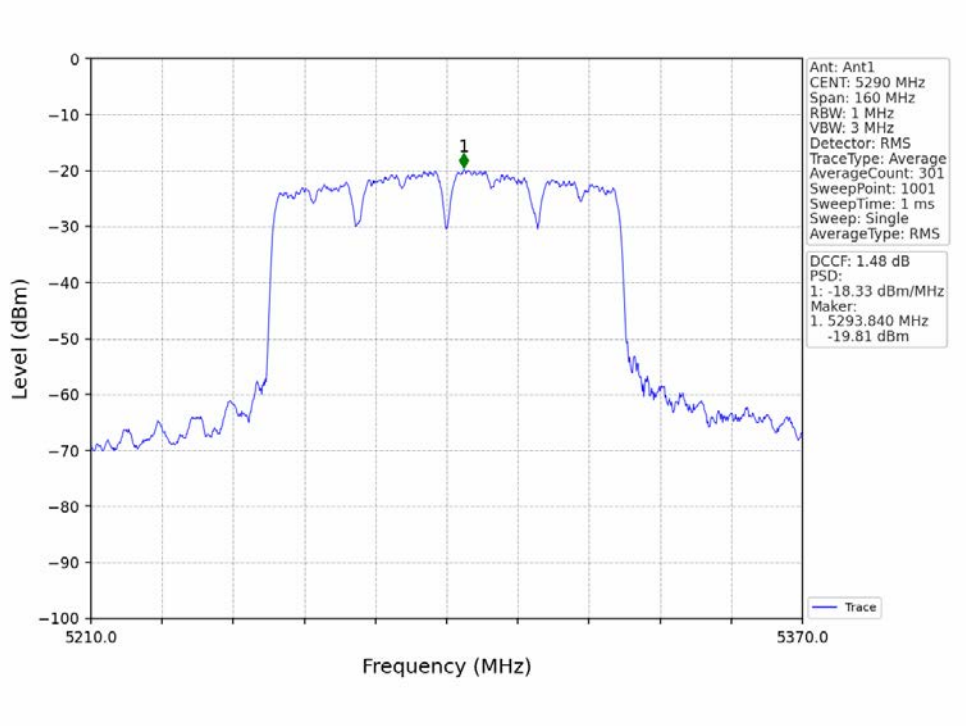
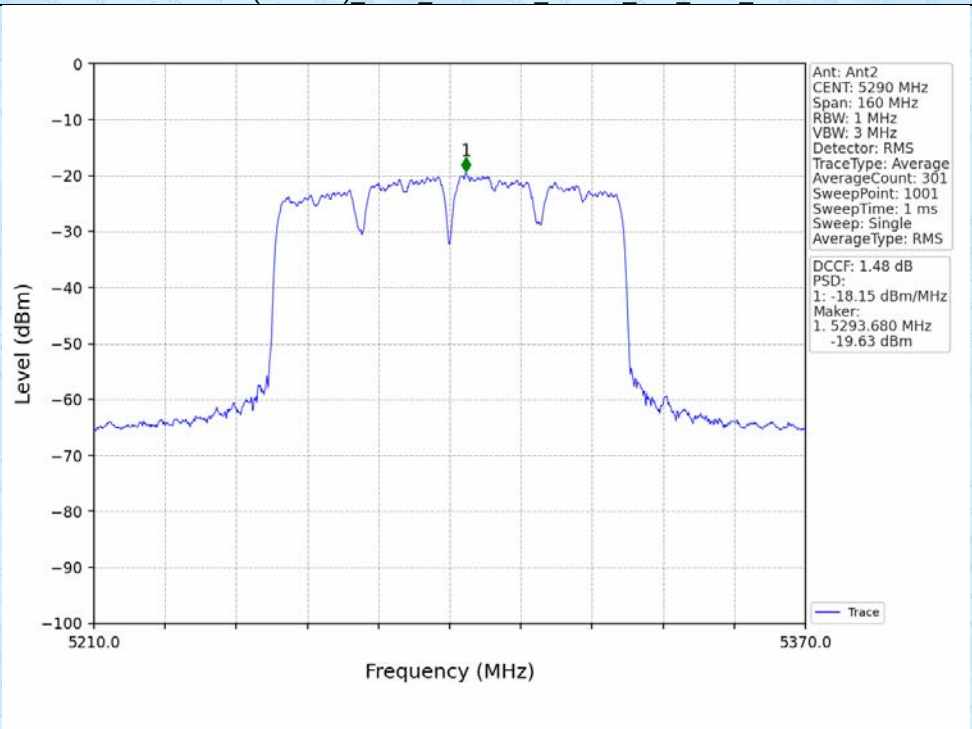


802.11ax(HEW80)_MCH_5290MHz_RU996_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5290MHz_RU996_Left_Ant2_NTNV



5. Frequency Stability

5.1 Ant1

5.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5260	20	102	5259.796	5250 to 5350	Pass
				120	5259.792	5250 to 5350	Pass
				138	5259.792	5250 to 5350	Pass
			-30	120	5259.791	5250 to 5350	Pass
			-20	120	5259.791	5250 to 5350	Pass
			-10	120	5259.791	5250 to 5350	Pass
			0	120	5259.791	5250 to 5350	Pass
			10	120	5259.791	5250 to 5350	Pass
			30	120	5259.791	5250 to 5350	Pass
			40	120	5259.791	5250 to 5350	Pass
			50	120	5259.791	5250 to 5350	Pass
		5300	20	102	5299.796	5250 to 5350	Pass
				120	5299.792	5250 to 5350	Pass
				138	5299.791	5250 to 5350	Pass
			-30	120	5299.790	5250 to 5350	Pass
			-20	120	5299.790	5250 to 5350	Pass
			-10	120	5299.790	5250 to 5350	Pass
			0	120	5299.790	5250 to 5350	Pass
			10	120	5299.790	5250 to 5350	Pass
			30	120	5299.790	5250 to 5350	Pass
			40	120	5299.790	5250 to 5350	Pass
			50	120	5299.790	5250 to 5350	Pass
		5320	20	102	5319.792	5250 to 5350	Pass
				120	5319.789	5250 to 5350	Pass
				138	5319.789	5250 to 5350	Pass
			-30	120	5319.789	5250 to 5350	Pass
			-20	120	5319.789	5250 to 5350	Pass
			-10	120	5319.789	5250 to 5350	Pass
			0	120	5319.789	5250 to 5350	Pass
			10	120	5319.789	5250 to 5350	Pass
			30	120	5319.789	5250 to 5350	Pass
			40	120	5319.789	5250 to 5350	Pass
			50	120	5319.789	5250 to 5350	Pass
		5270	20	102	5269.796	5250 to 5350	Pass
				120	5269.792	5250 to 5350	Pass
				138	5269.791	5250 to 5350	Pass
			-30	120	5269.791	5250 to 5350	Pass
			-20	120	5269.791	5250 to 5350	Pass
			-10	120	5269.790	5250 to 5350	Pass
			0	120	5269.790	5250 to 5350	Pass
			10	120	5269.790	5250 to 5350	Pass
			30	120	5269.790	5250 to 5350	Pass
			40	120	5269.790	5250 to 5350	Pass
			50	120	5269.790	5250 to 5350	Pass
		5310	20	102	5309.791	5250 to 5350	Pass
				120	5309.789	5250 to 5350	Pass
				138	5309.789	5250 to 5350	Pass
			-30	120	5309.789	5250 to 5350	Pass
			-20	120	5309.789	5250 to 5350	Pass
			-10	120	5309.789	5250 to 5350	Pass
			0	120	5309.789	5250 to 5350	Pass

			10	120	5309.789	5250 to 5350	Pass
			30	120	5309.789	5250 to 5350	Pass
			40	120	5309.789	5250 to 5350	Pass
			50	120	5309.789	5250 to 5350	Pass
		5290	20	102	5289.792	5250 to 5350	Pass
				120	5289.789	5250 to 5350	Pass
				138	5289.789	5250 to 5350	Pass
			-30	120	5289.789	5250 to 5350	Pass
			-20	120	5289.789	5250 to 5350	Pass
			-10	120	5289.789	5250 to 5350	Pass
			0	120	5289.789	5250 to 5350	Pass
			10	120	5289.789	5250 to 5350	Pass
			30	120	5289.789	5250 to 5350	Pass
			40	120	5289.789	5250 to 5350	Pass
			50	120	5289.789	5250 to 5350	Pass

------End------