

1. Bandwidth

1.1 Test Result

1.1.1 OBW

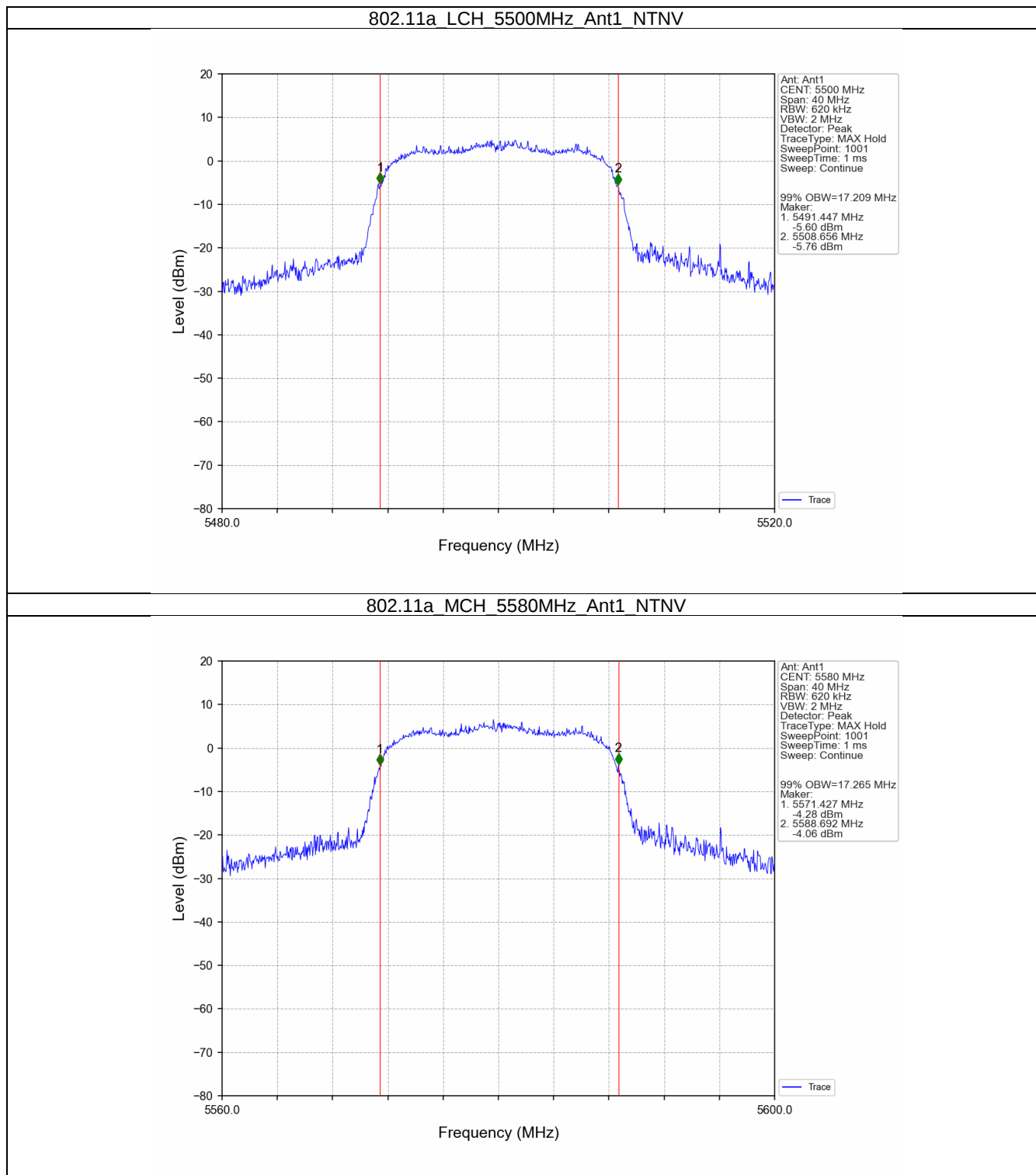
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5500	1	17.209	/	Pass
		5580	1	17.265	/	Pass
		5700	1	17.197	/	Pass
802.11n (HT20)	SISO	5500	1	17.841	/	Pass
		5580	1	17.817	/	Pass
		5700	1	17.804	/	Pass
802.11n (HT40)	SISO	5510	1	36.396	/	Pass
		5550	1	36.323	/	Pass
		5670	1	36.459	/	Pass

1.1.2 26dB BW

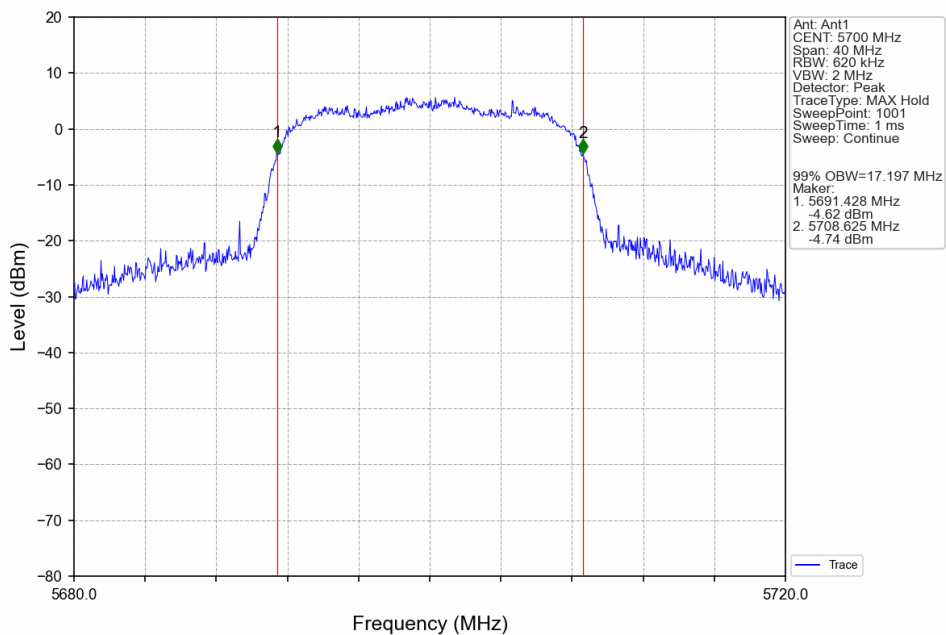
Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5500	1	20.395	/	Pass
		5580	1	19.226	/	Pass
		5700	1	20.474	/	Pass
802.11n (HT20)	SISO	5500	1	19.379	/	Pass
		5580	1	19.277	/	Pass
		5700	1	19.193	/	Pass
802.11n (HT40)	SISO	5510	1	39.717	/	Pass
		5550	1	39.718	/	Pass
		5670	1	39.587	/	Pass

1.2 Test Graph

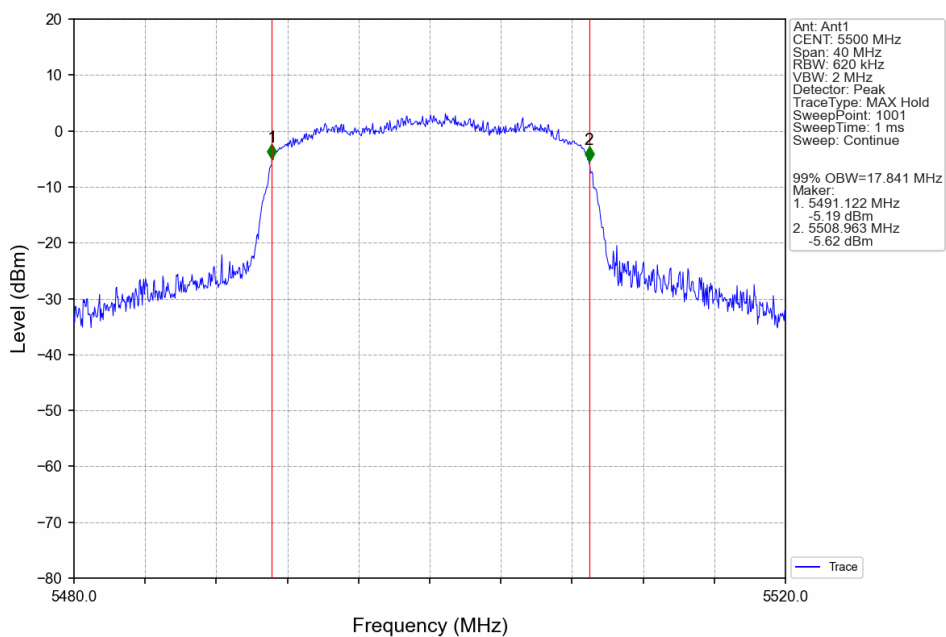
1.2.1 OBW



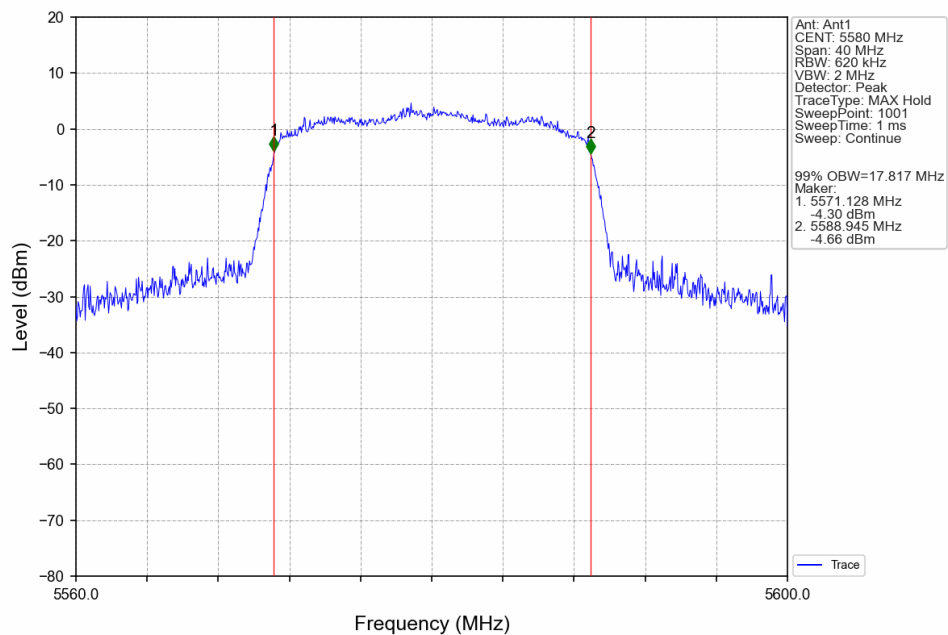
802.11a HCH 5700MHz Ant1 NTVN



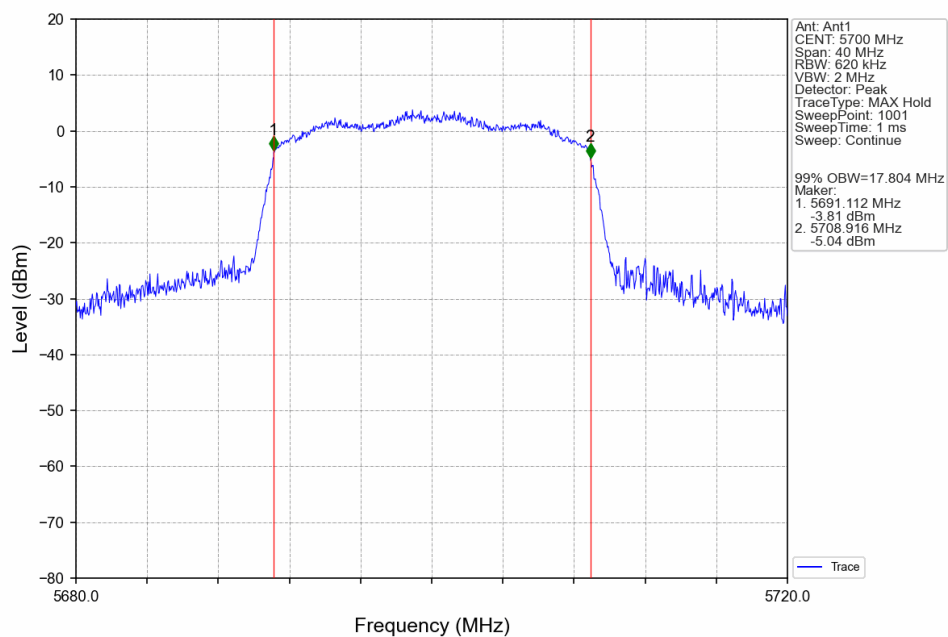
802.11n(HT20) LCH 5500MHz Ant1 NTVN



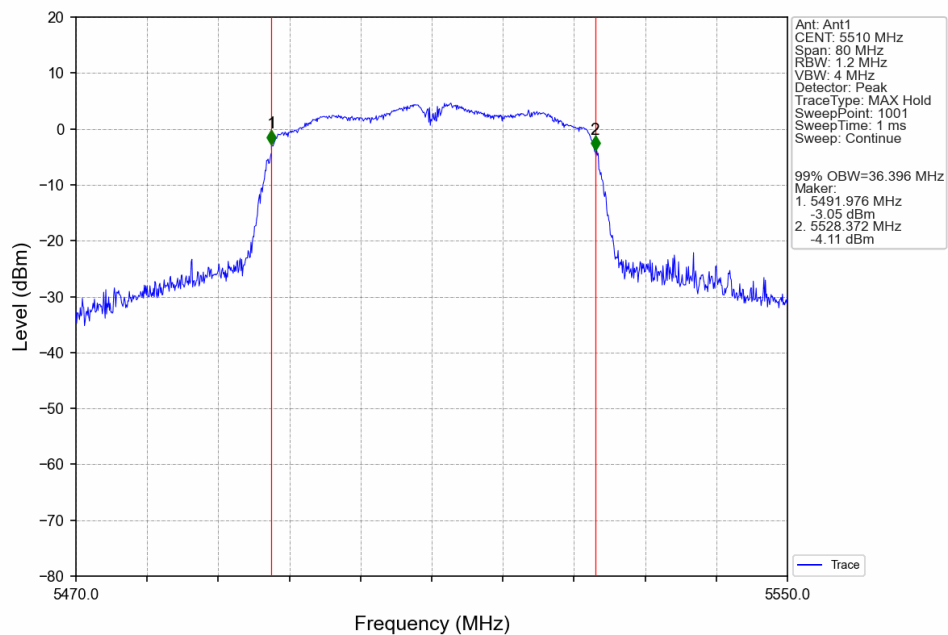
802.11n(HT20) MCH 5580MHz Ant1 NTN



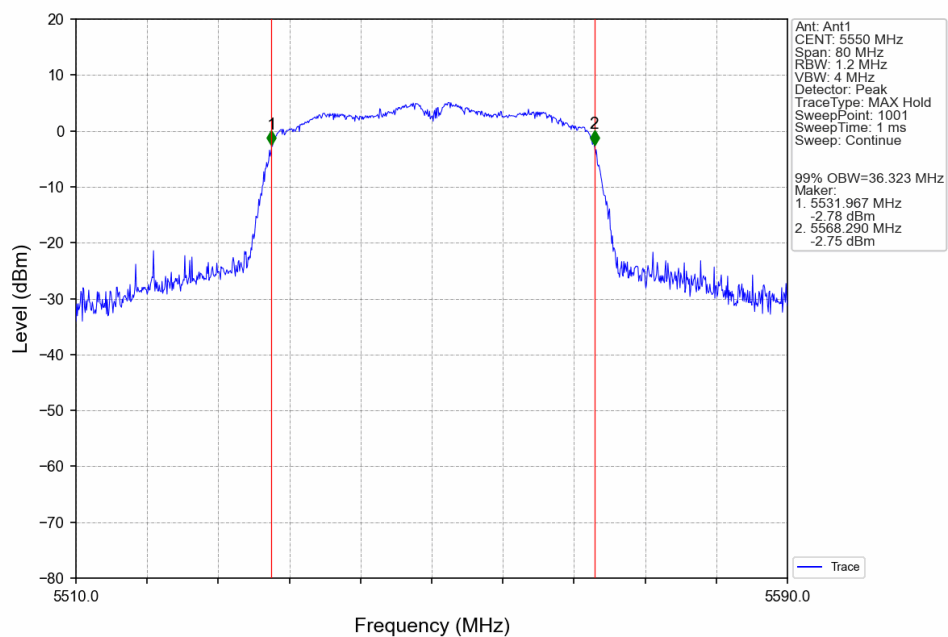
802.11n(HT20) HCH 5700MHz Ant1 NTN

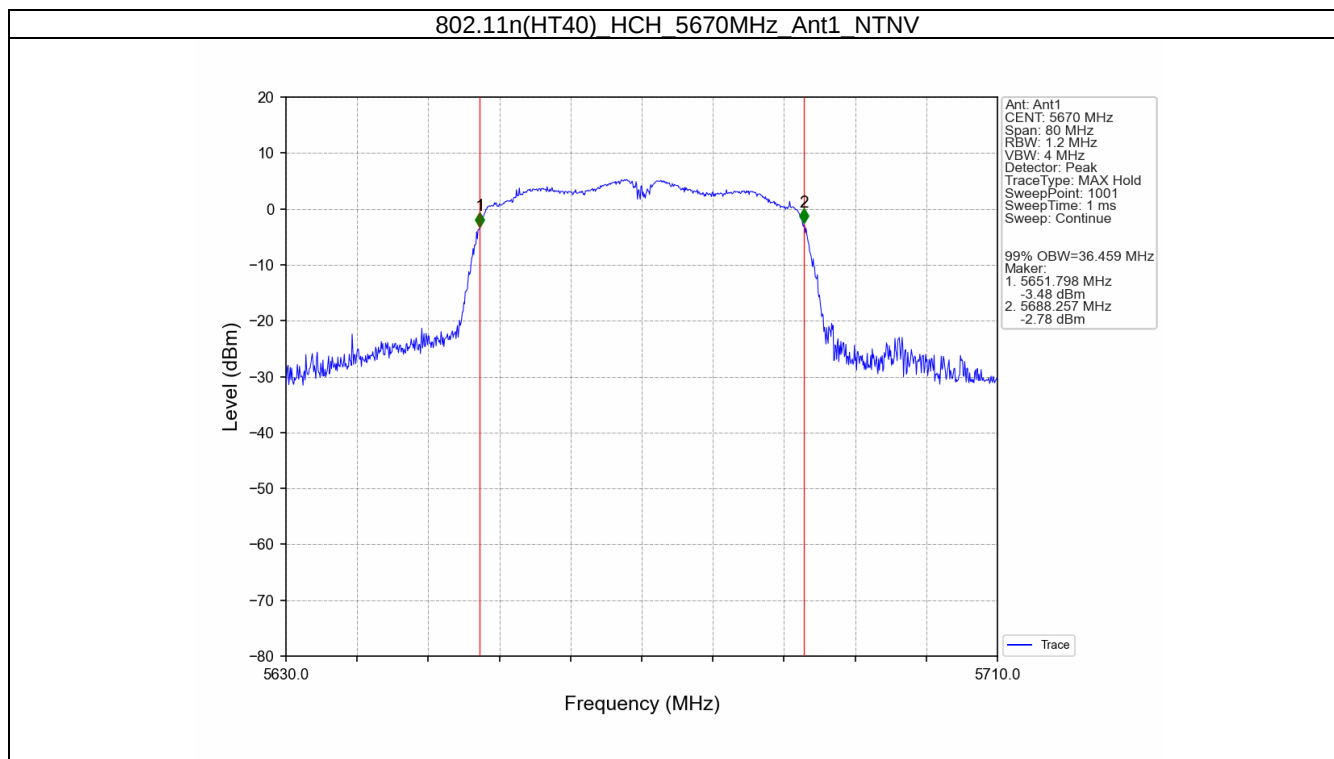


802.11n(HT40) LCH 5510MHz Ant1 NTN

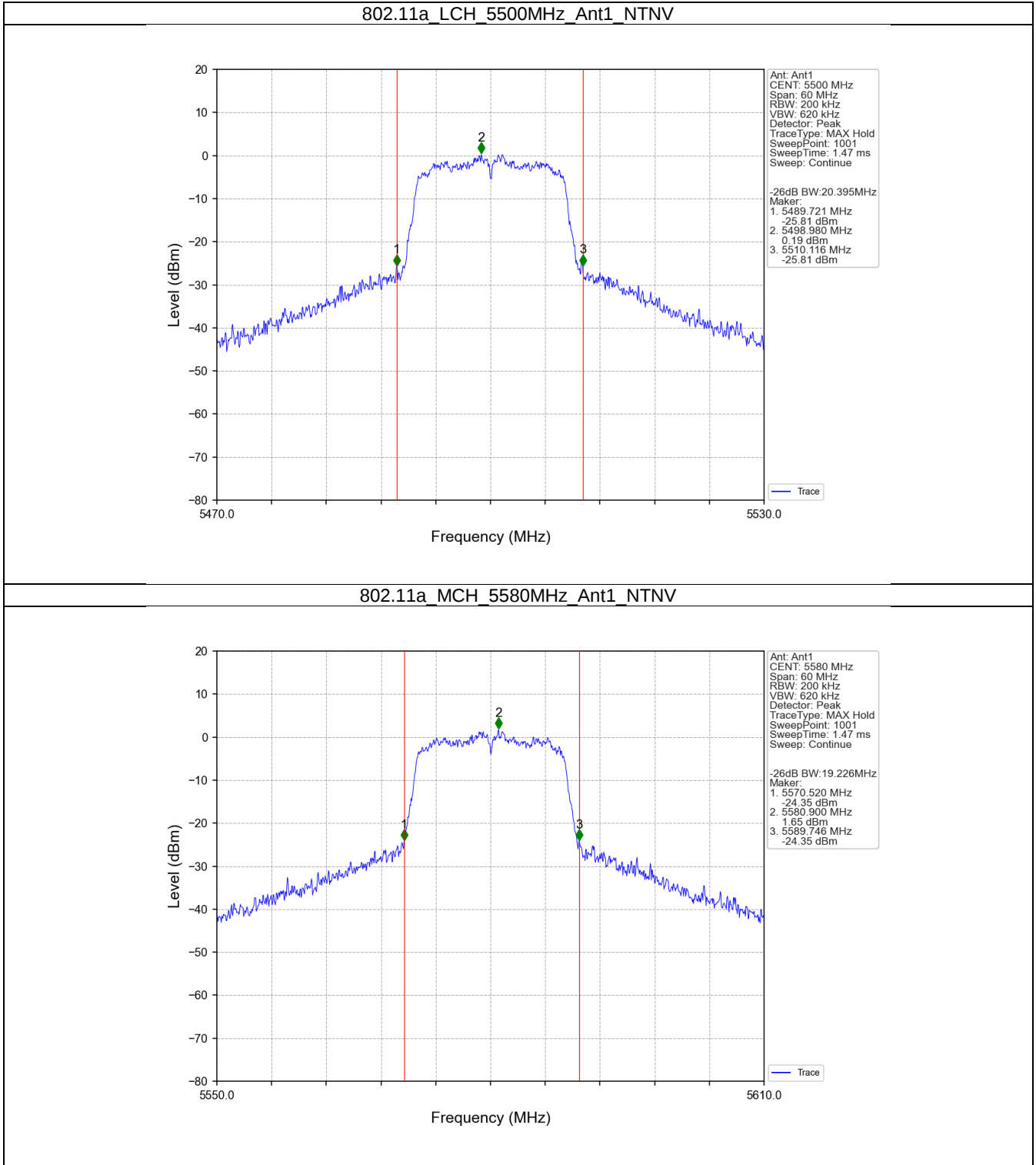


802.11n(HT40) MCH 5550MHz Ant1 NTN

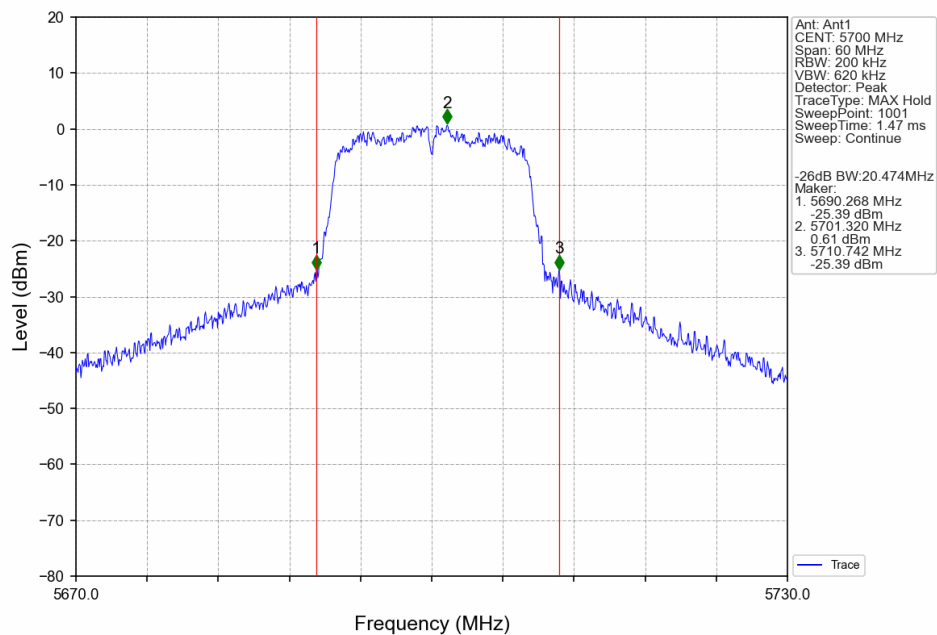




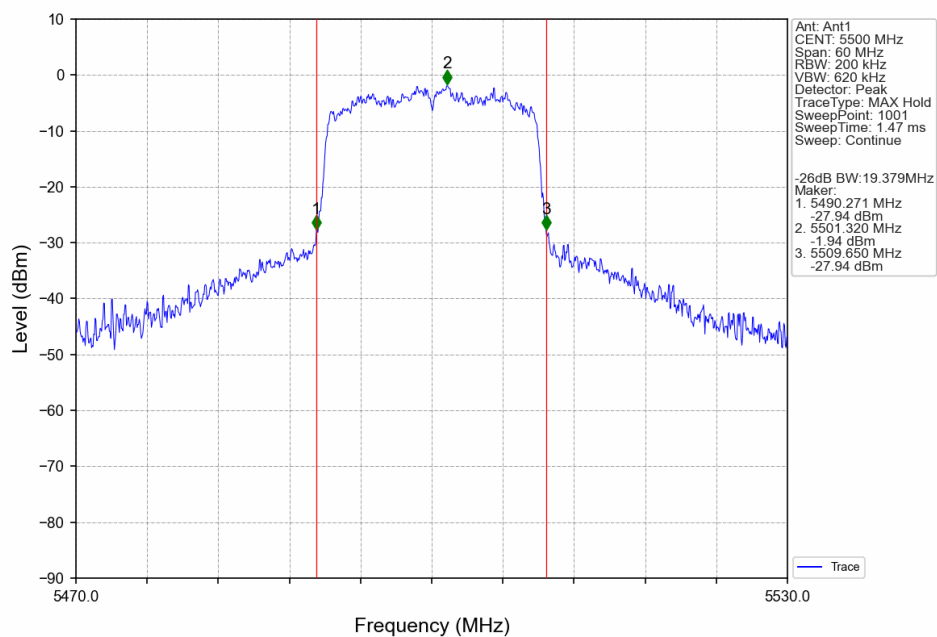
1.2.2 26dB BW



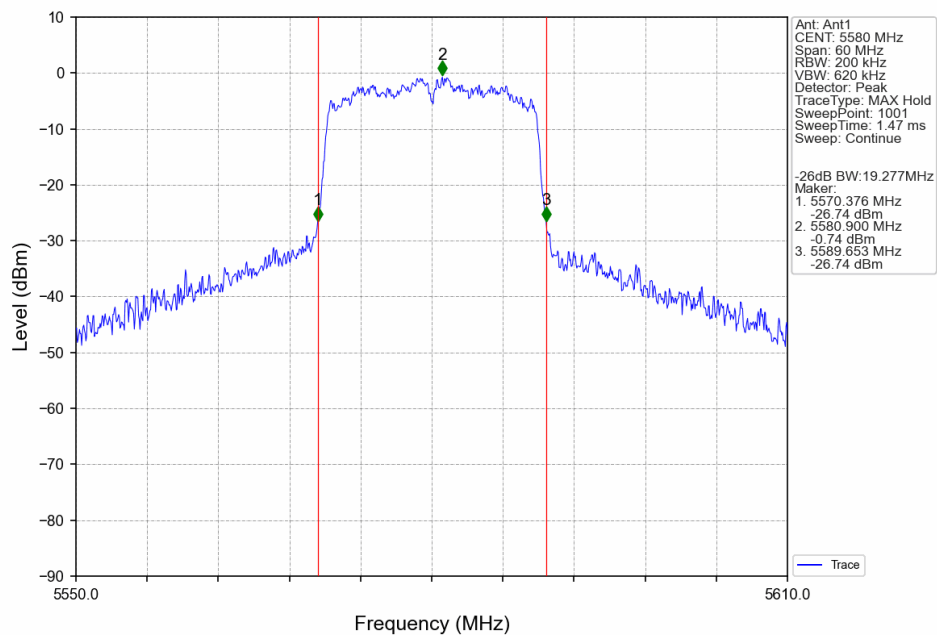
802.11a HCH 5700MHz Ant1 NTN



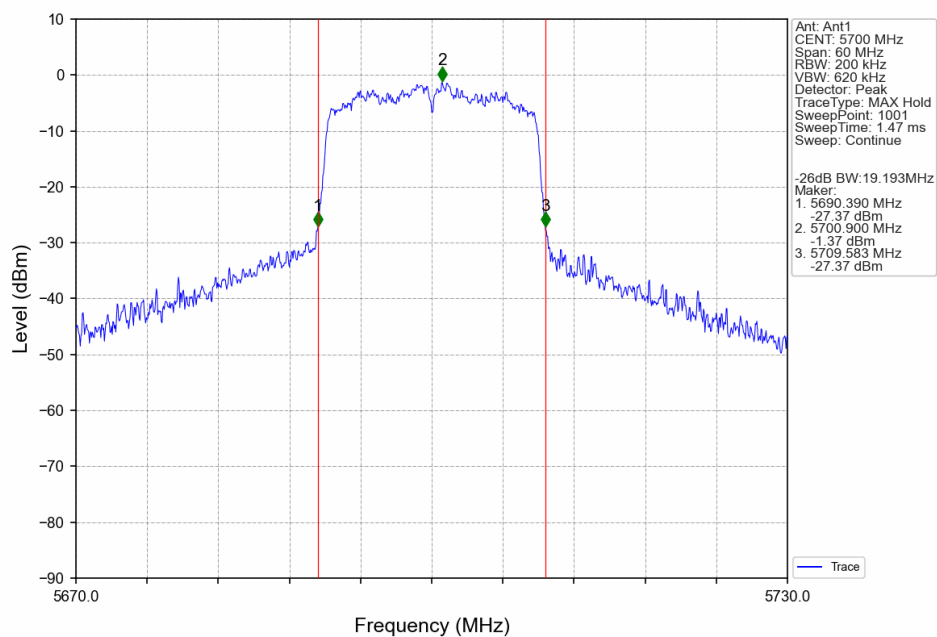
802.11n(HT20) LCH 5500MHz Ant1 NTN



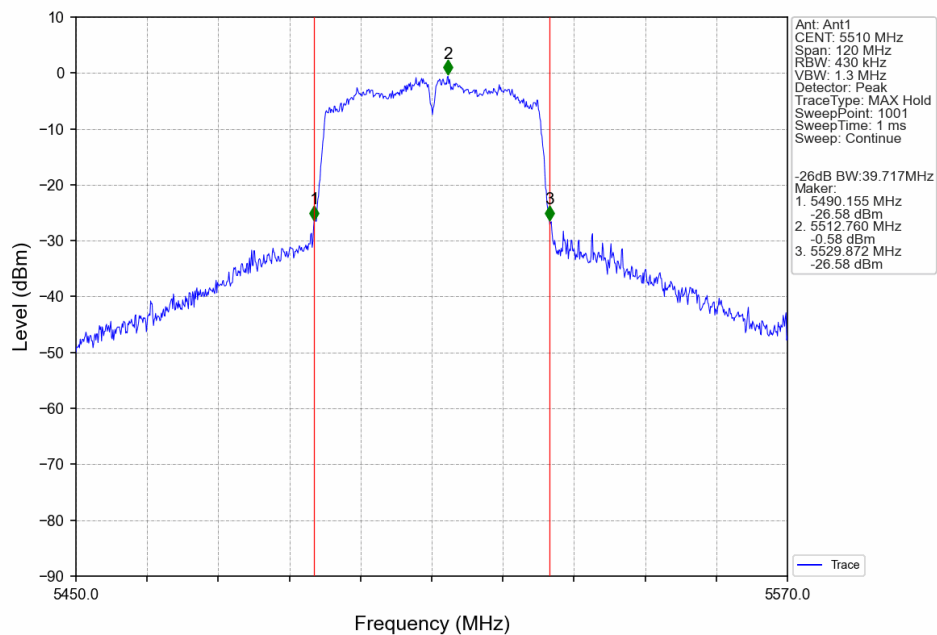
802.11n(HT20) MCH 5580MHz Ant1 NTNV



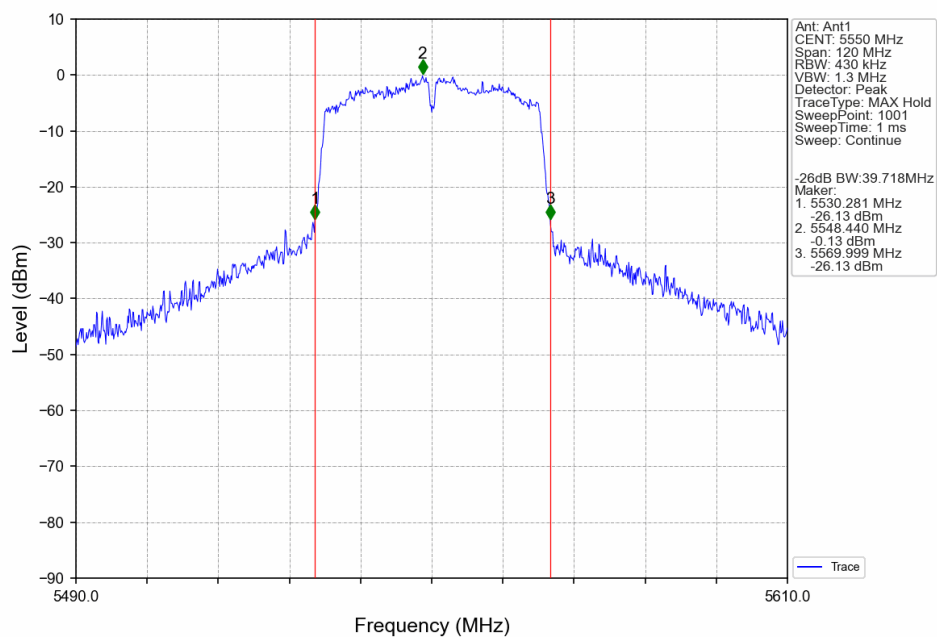
802.11n(HT20) HCH 5700MHz Ant1 NTNV

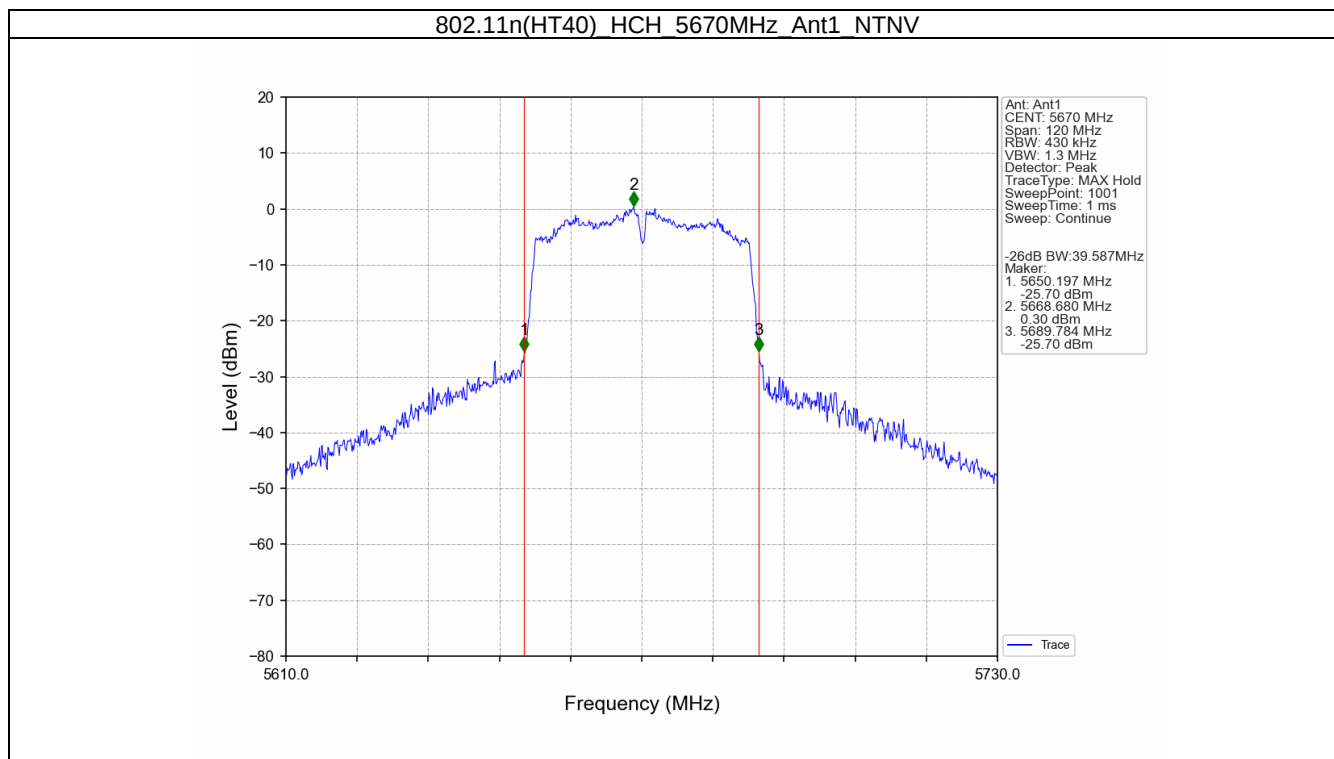


802.11n(HT40) LCH 5510MHz Ant1 NTN



802.11n(HT40) MCH 5550MHz Ant1 NTN





2. Maximum Conducted Output Power

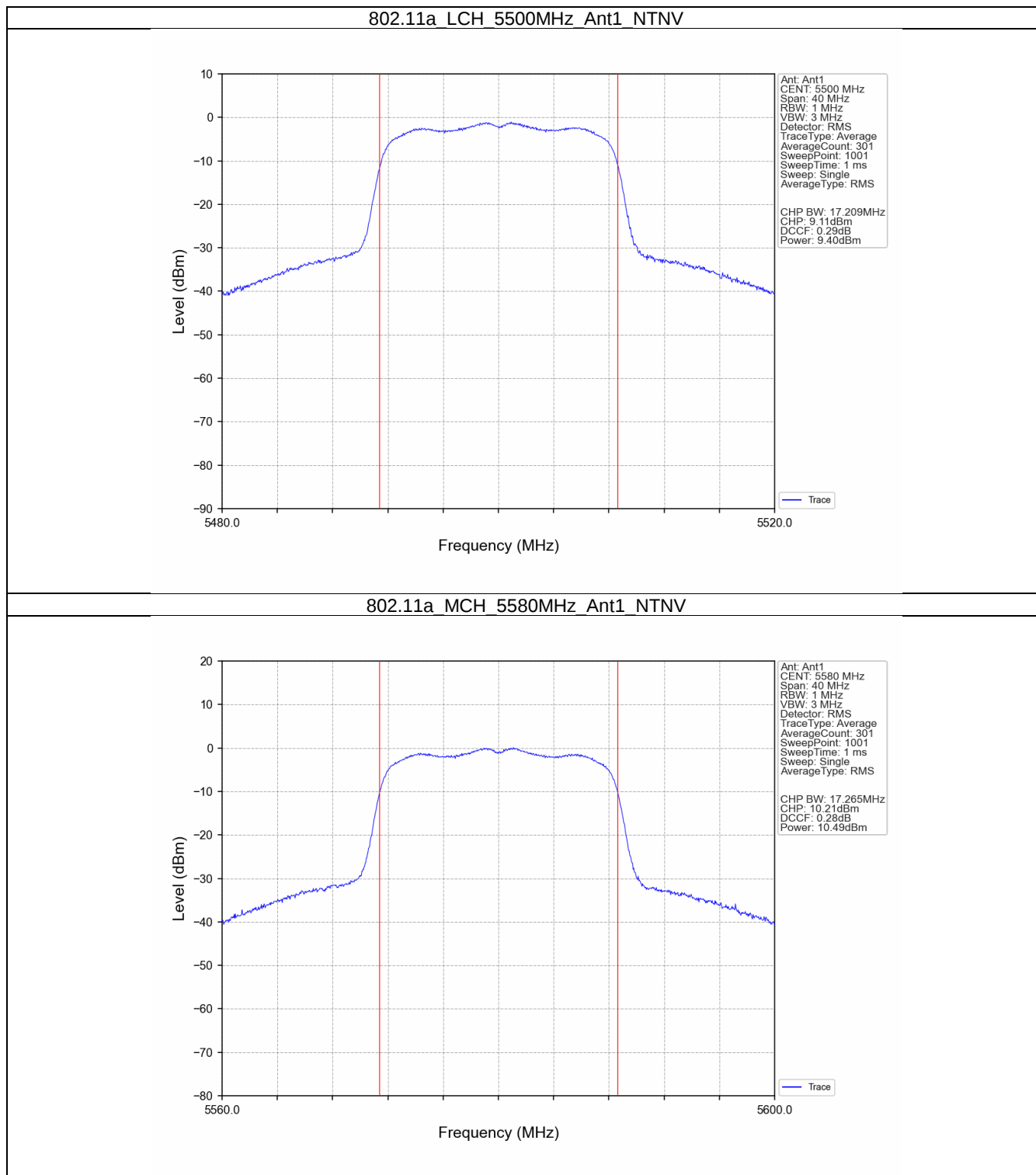
2.1 Test Result

2.1.1 Power

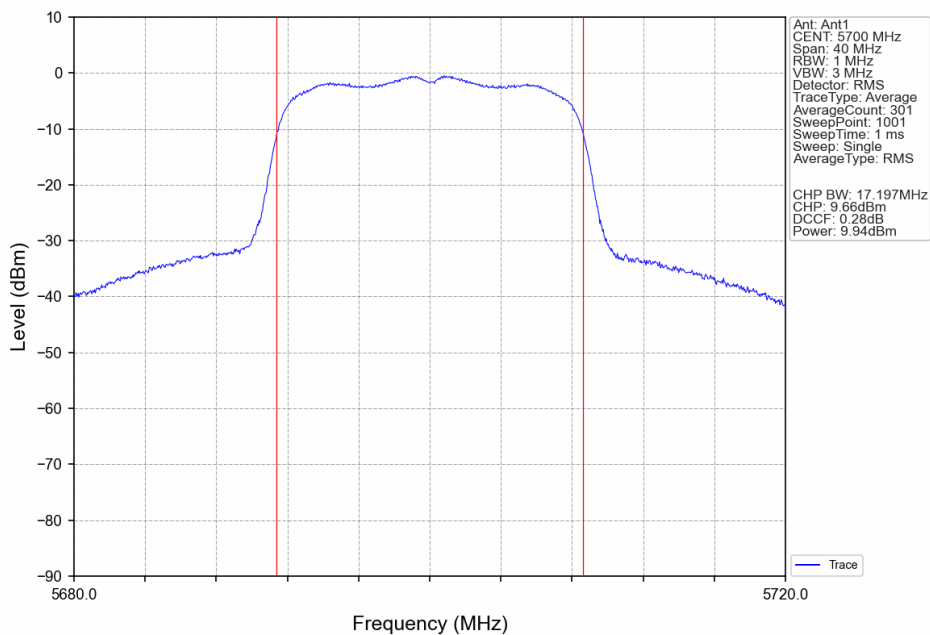
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5500	9.40	<=23.98	Pass
		5580	10.49	<=23.98	Pass
		5700	9.94	<=23.98	Pass
802.11n (HT20)	SISO	5500	9.42	<=23.98	Pass
		5580	10.28	<=23.98	Pass
		5700	9.81	<=23.98	Pass
802.11n (HT40)	SISO	5510	10.13	<=23.98	Pass
		5550	10.57	<=23.98	Pass
		5670	10.85	<=23.98	Pass
Note1: Antenna Gain: Ant1: 2.91dBi;					

2.2 Test Graph

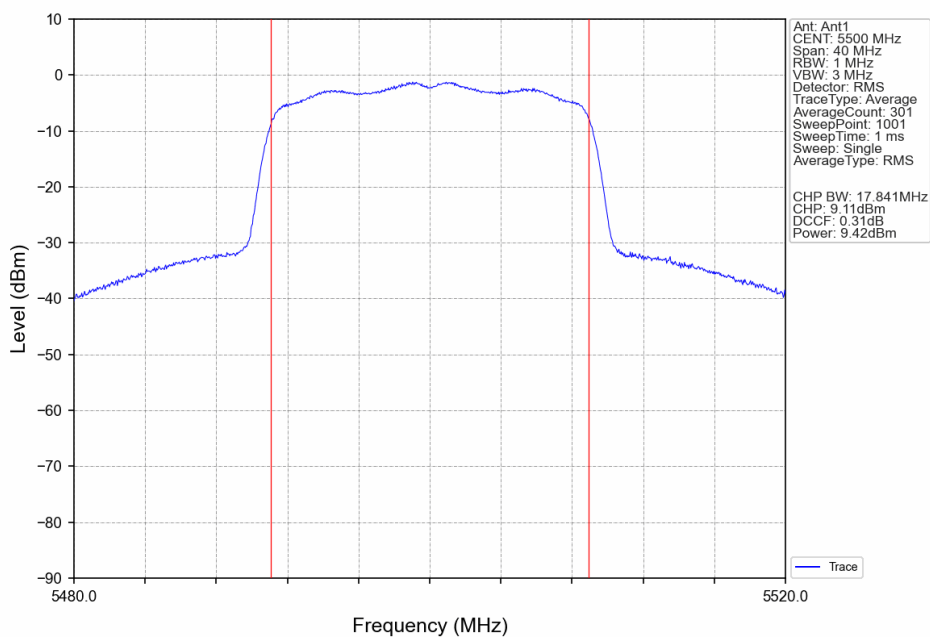
2.2.1 Power



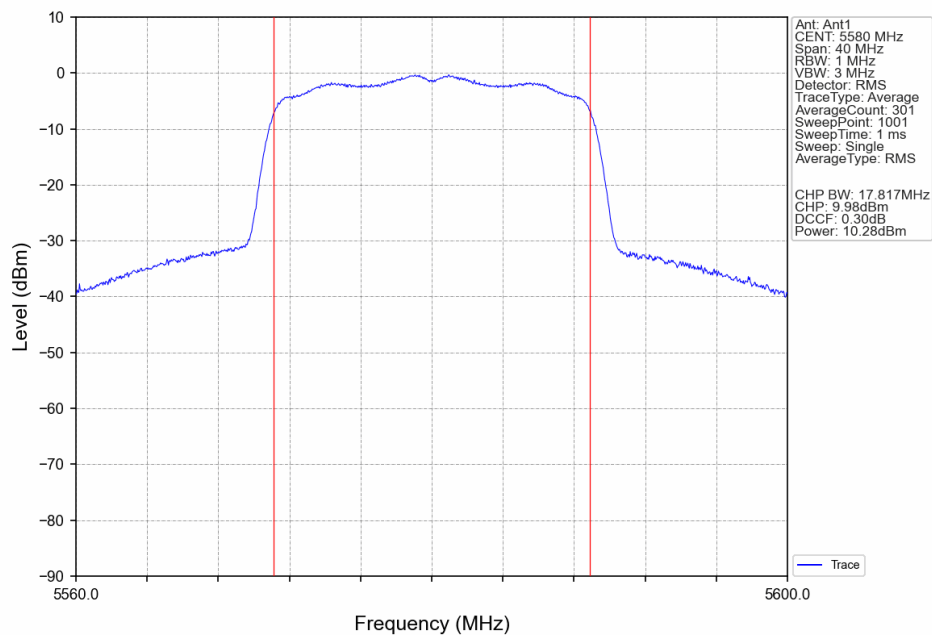
802.11a HCH 5700MHz Ant1 NTNV



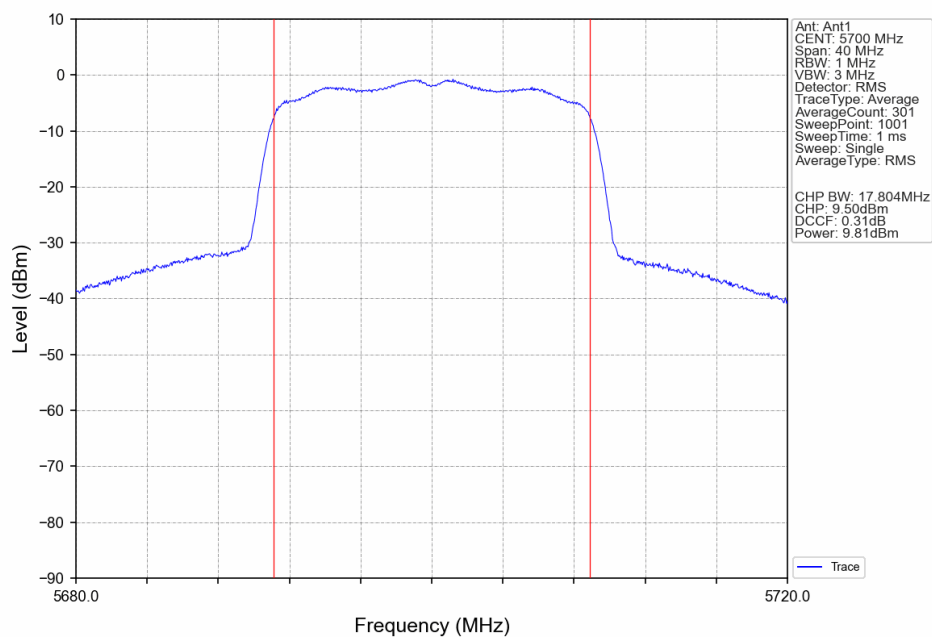
802.11n(HT20) LCH 5500MHz Ant1 NTNV



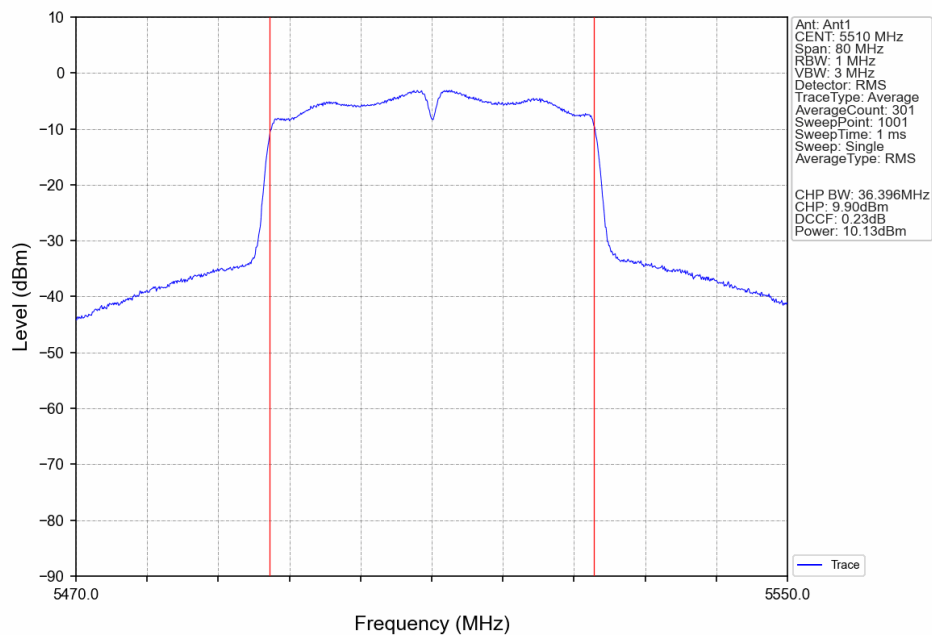
802.11n(HT20) MCH 5580MHz Ant1 NTN



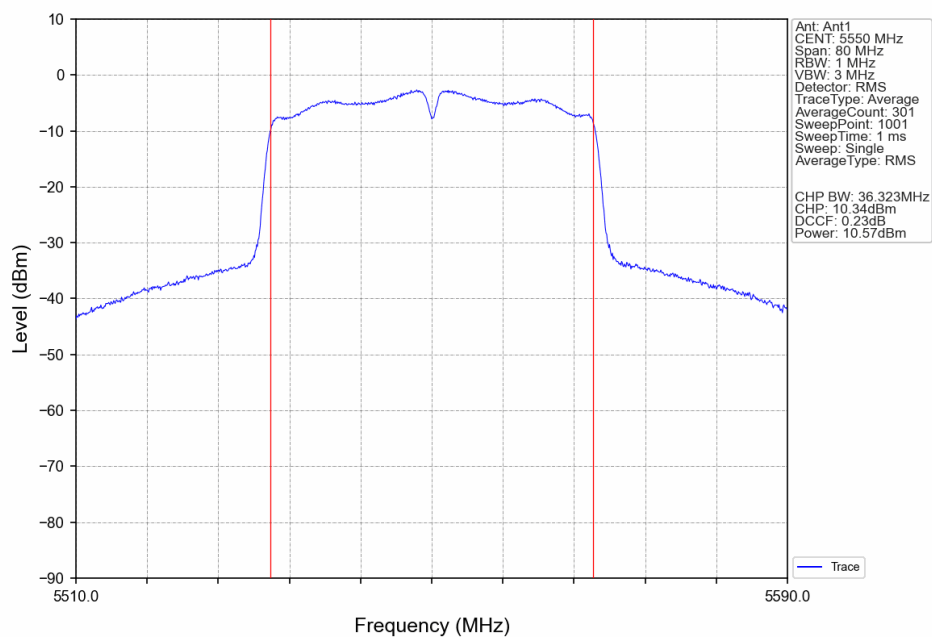
802.11n(HT20) HCH 5700MHz Ant1 NTN

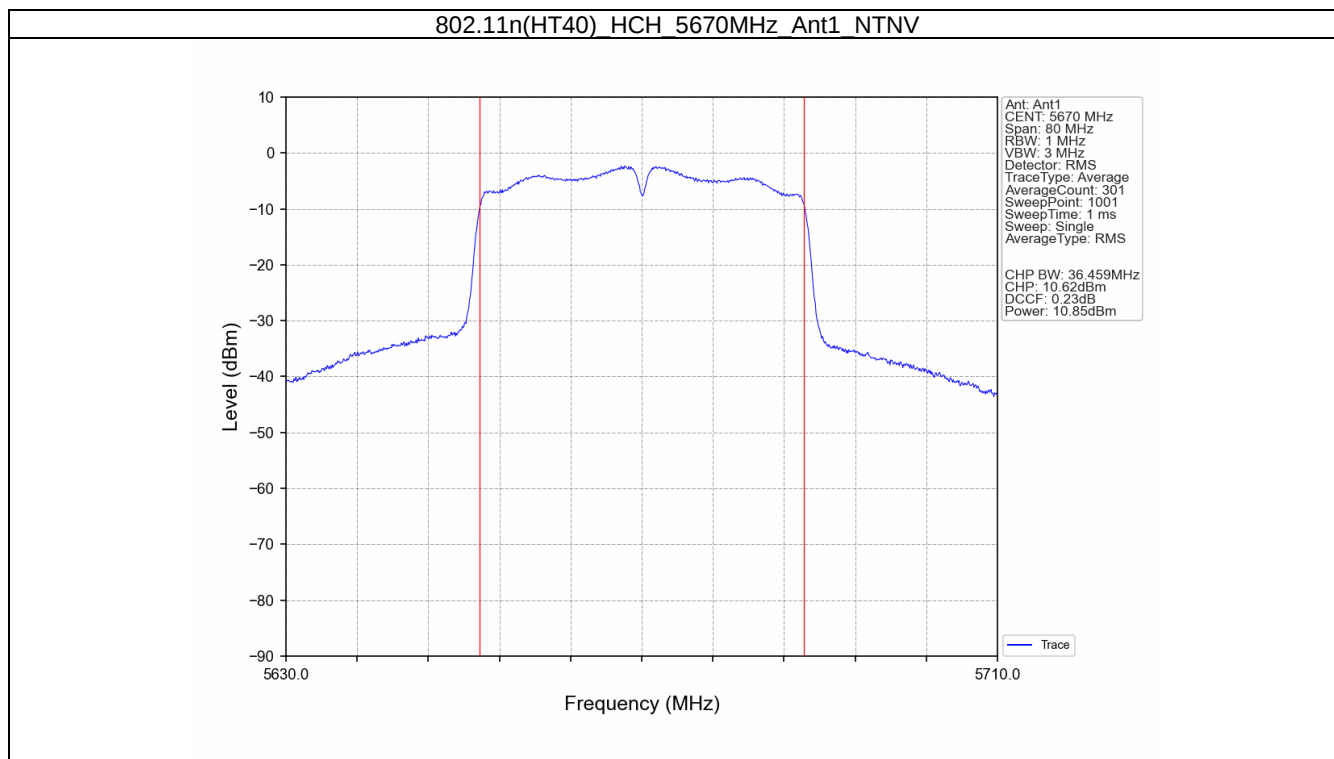


802.11n(HT40) LCH 5510MHz Ant1 NTV



802.11n(HT40) MCH 5550MHz Ant1 NTV





3. Maximum Power Spectral Density

3.1 Test Result

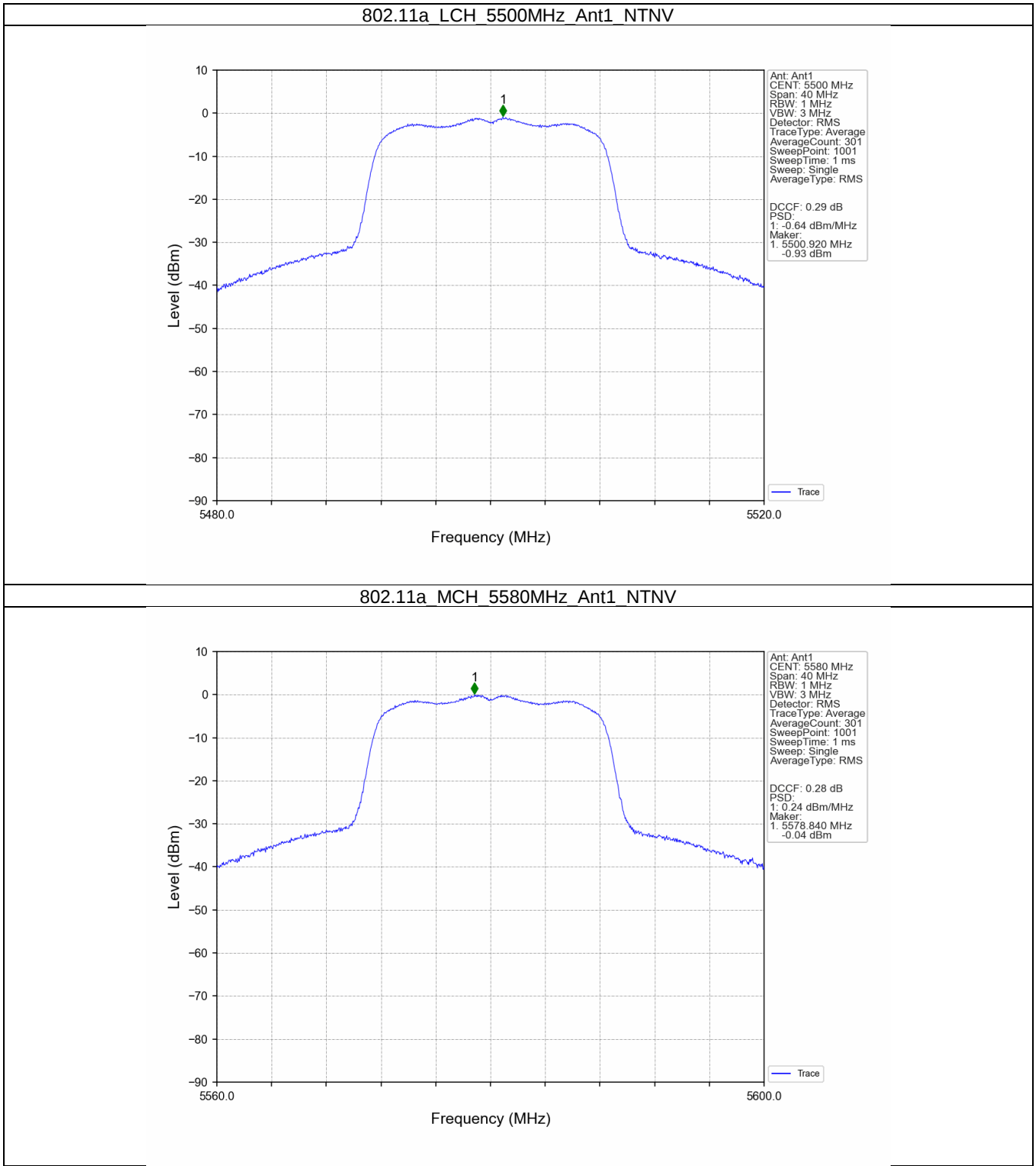
3.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5500	-0.64	<=11	Pass
		5580	0.24	<=11	Pass
		5700	-0.29	<=11	Pass
802.11n (HT20)	SISO	5500	-0.99	<=11	Pass
		5580	-0.11	<=11	Pass
		5700	-0.40	<=11	Pass
802.11n (HT40)	SISO	5510	-2.88	<=11	Pass
		5550	-2.46	<=11	Pass
		5670	-2.16	<=11	Pass

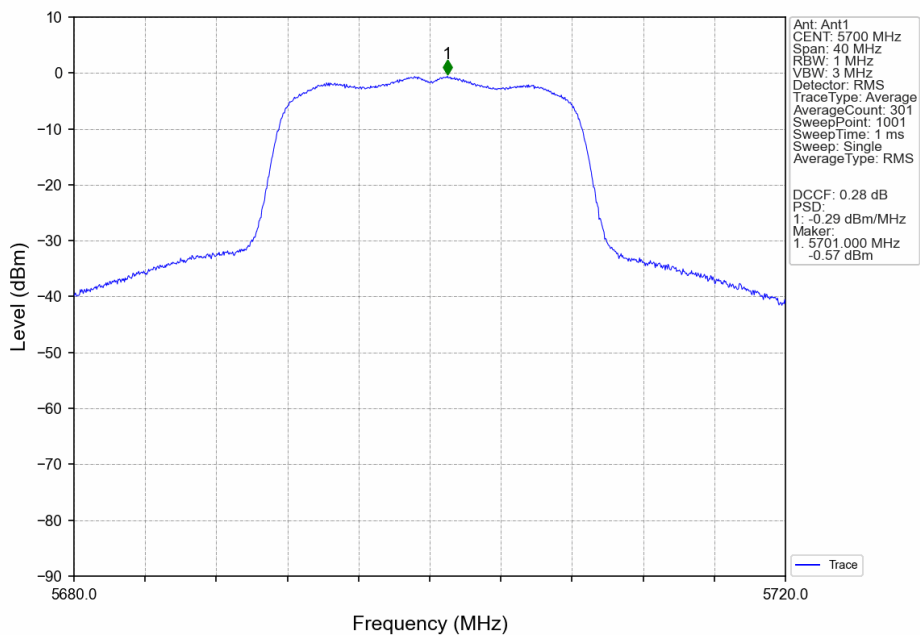
Note1: Antenna Gain: Ant1: 2.91dBi;

3.2 Test Graph

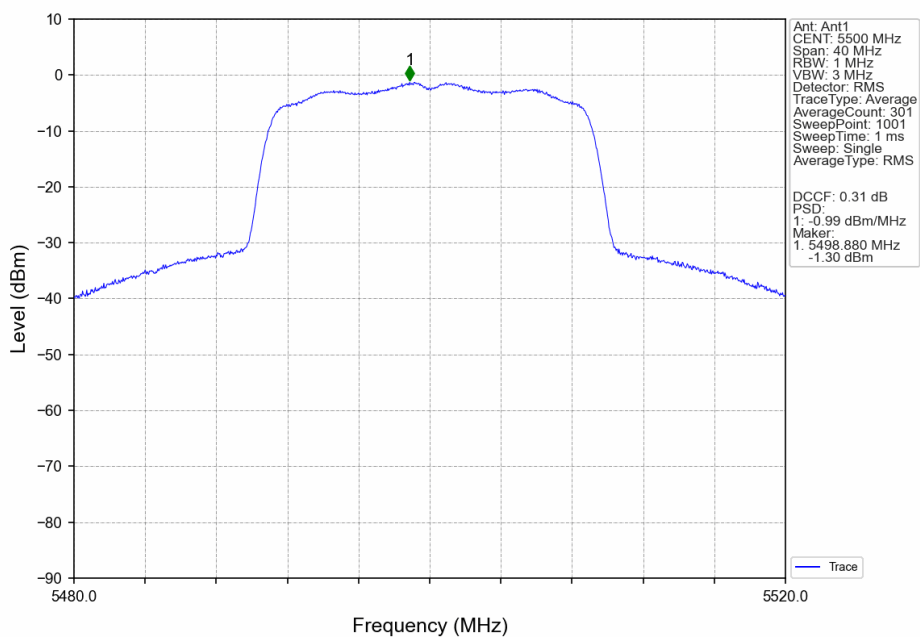
3.2.1 PSD



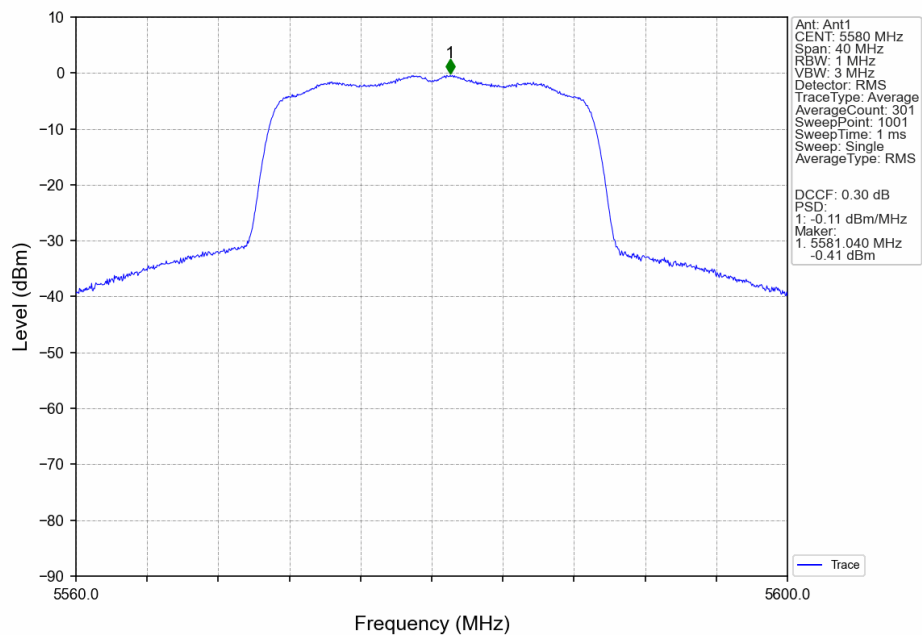
802.11a HCH 5700MHz Ant1 NTNV



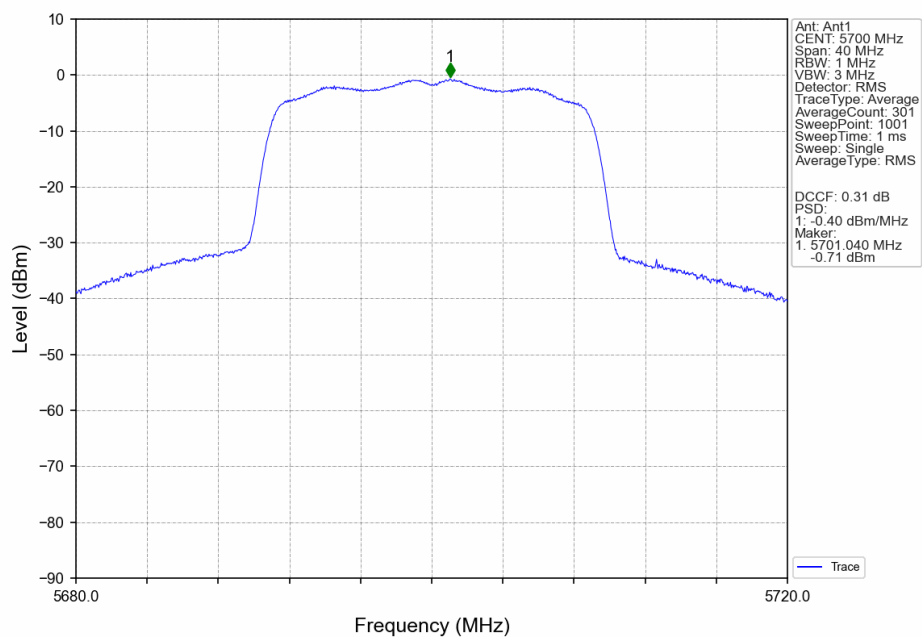
802.11n(HT20) LCH 5500MHz Ant1 NTNV



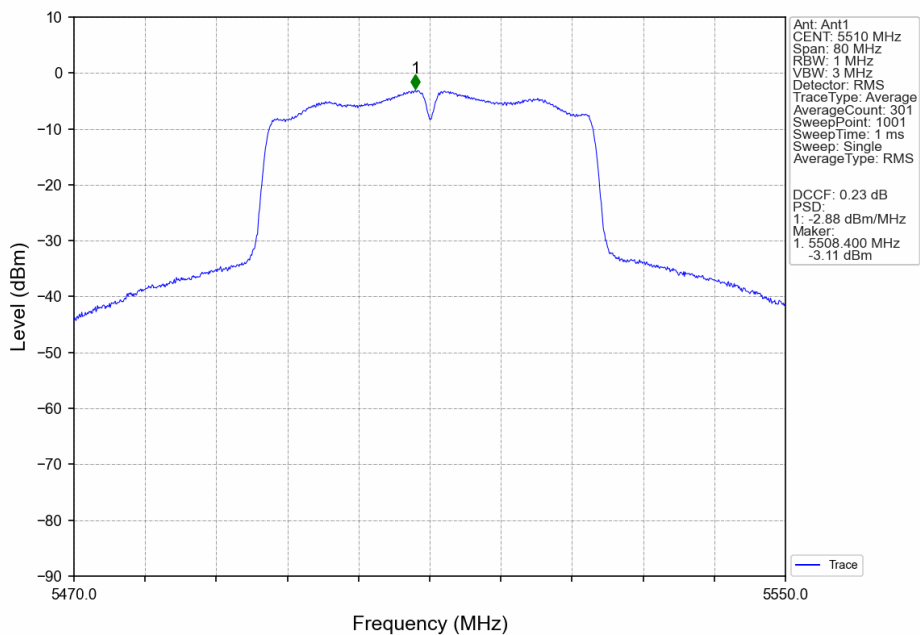
802.11n(HT20) MCH 5580MHz Ant1 NTNV



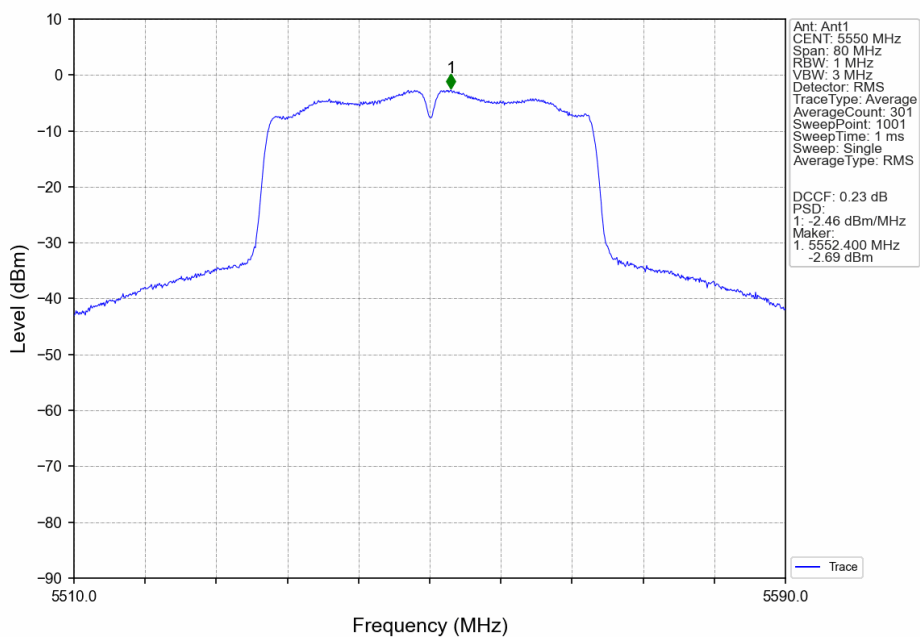
802.11n(HT20) HCH 5700MHz Ant1 NTNV

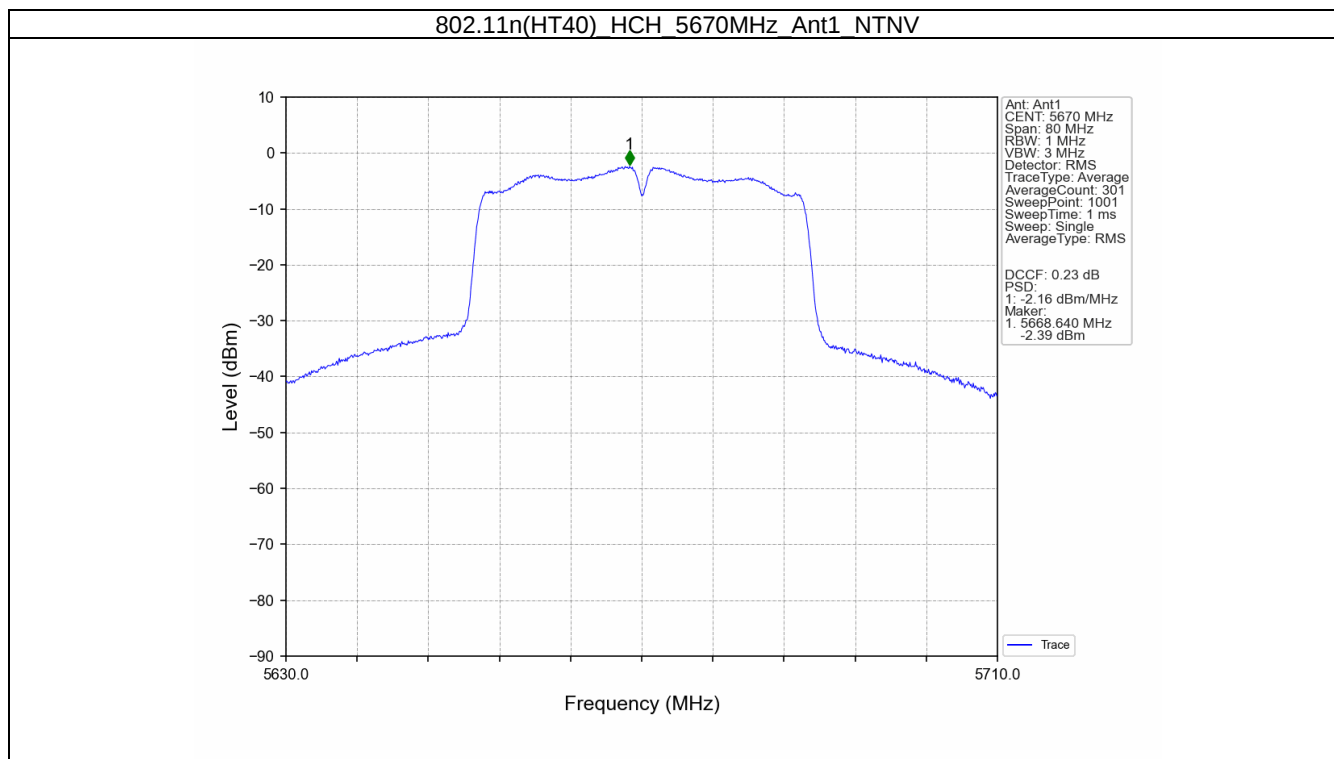


802.11n(HT40) LCH 5510MHz Ant1 NTN



802.11n(HT40) MCH 5550MHz Ant1 NTN





4. Frequency Stability

4.1 Test Result

4.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5500	20	102	5499.997	5470 to 5725	Pass
				120	5499.997	5470 to 5725	Pass
				138	5499.997	5470 to 5725	Pass
			-30	120	5499.996	5470 to 5725	Pass
			-20	120	5499.997	5470 to 5725	Pass
			-10	120	5499.997	5470 to 5725	Pass
			0	120	5499.997	5470 to 5725	Pass
			10	120	5499.996	5470 to 5725	Pass
			30	120	5499.997	5470 to 5725	Pass
			40	120	5499.997	5470 to 5725	Pass
			50	120	5499.996	5470 to 5725	Pass
		5580	20	102	5579.996	5470 to 5725	Pass
				120	5579.996	5470 to 5725	Pass
				138	5579.996	5470 to 5725	Pass
			-30	120	5579.996	5470 to 5725	Pass
			-20	120	5579.996	5470 to 5725	Pass
			-10	120	5579.996	5470 to 5725	Pass
			0	120	5579.996	5470 to 5725	Pass
			10	120	5579.996	5470 to 5725	Pass
			30	120	5579.996	5470 to 5725	Pass
			40	120	5579.996	5470 to 5725	Pass
			50	120	5579.996	5470 to 5725	Pass
		5700	20	102	5699.996	5470 to 5725	Pass
				120	5699.996	5470 to 5725	Pass
				138	5699.996	5470 to 5725	Pass
			-30	120	5699.996	5470 to 5725	Pass
			-20	120	5699.996	5470 to 5725	Pass
			-10	120	5699.996	5470 to 5725	Pass
			0	120	5699.996	5470 to 5725	Pass
			10	120	5699.996	5470 to 5725	Pass
			30	120	5699.996	5470 to 5725	Pass
			40	120	5699.996	5470 to 5725	Pass
			50	120	5699.996	5470 to 5725	Pass
		5510	20	102	5509.996	5470 to 5725	Pass
				120	5509.996	5470 to 5725	Pass
				138	5509.996	5470 to 5725	Pass
			-30	120	5509.996	5470 to 5725	Pass
			-20	120	5509.996	5470 to 5725	Pass
			-10	120	5509.996	5470 to 5725	Pass
			0	120	5509.996	5470 to 5725	Pass
			10	120	5509.996	5470 to 5725	Pass
			30	120	5509.996	5470 to 5725	Pass
			40	120	5509.996	5470 to 5725	Pass
			50	120	5509.996	5470 to 5725	Pass
		5550	20	102	5549.995	5470 to 5725	Pass
				120	5549.995	5470 to 5725	Pass
				138	5549.995	5470 to 5725	Pass
			-30	120	5549.995	5470 to 5725	Pass
			-20	120	5549.995	5470 to 5725	Pass
			-10	120	5549.995	5470 to 5725	Pass

			0	120	5549.995	5470 to 5725	Pass
			10	120	5549.995	5470 to 5725	Pass
			30	120	5549.995	5470 to 5725	Pass
			40	120	5549.995	5470 to 5725	Pass
			50	120	5549.995	5470 to 5725	Pass
		5670	20	102	5669.995	5470 to 5725	Pass
				120	5669.995	5470 to 5725	Pass
				138	5669.995	5470 to 5725	Pass
			-30	120	5669.995	5470 to 5725	Pass
			-20	120	5669.995	5470 to 5725	Pass
			-10	120	5669.995	5470 to 5725	Pass
			0	120	5669.995	5470 to 5725	Pass
			10	120	5669.995	5470 to 5725	Pass
			30	120	5669.995	5470 to 5725	Pass
			40	120	5669.995	5470 to 5725	Pass
			50	120	5669.995	5470 to 5725	Pass