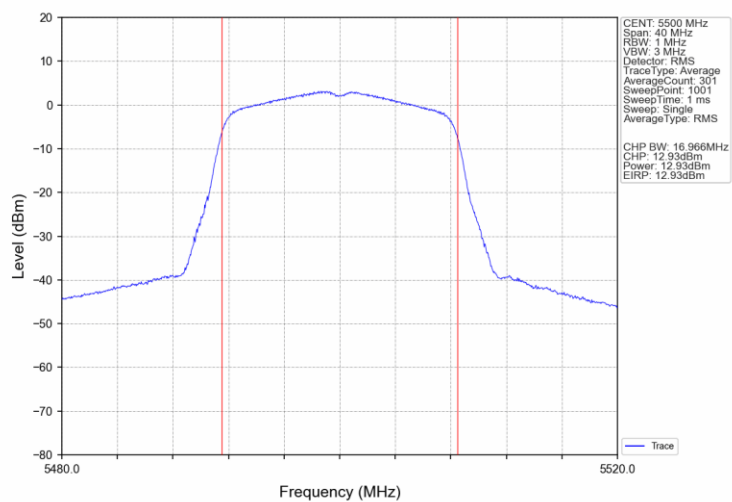
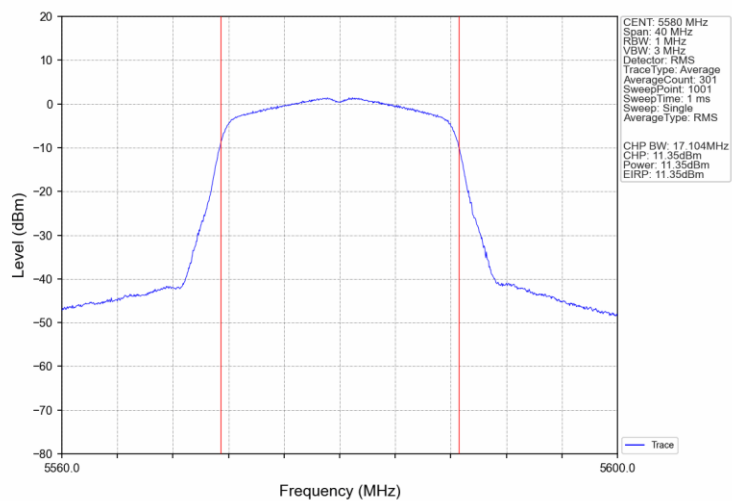


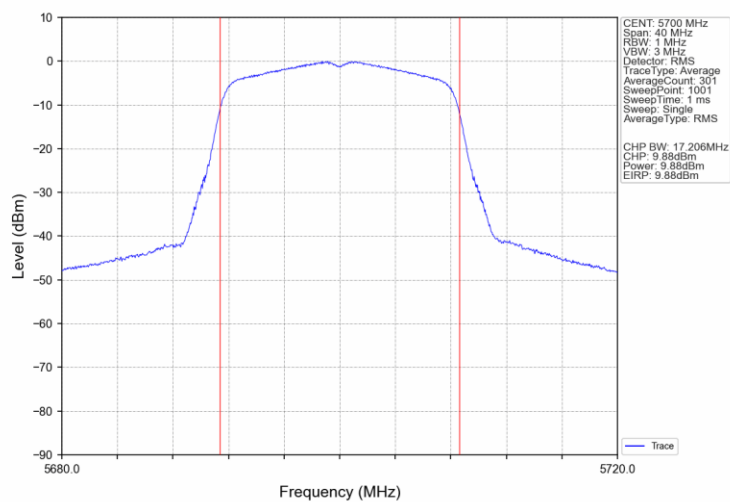
802.11a_LCH_5500MHz_Ant1_NTNV



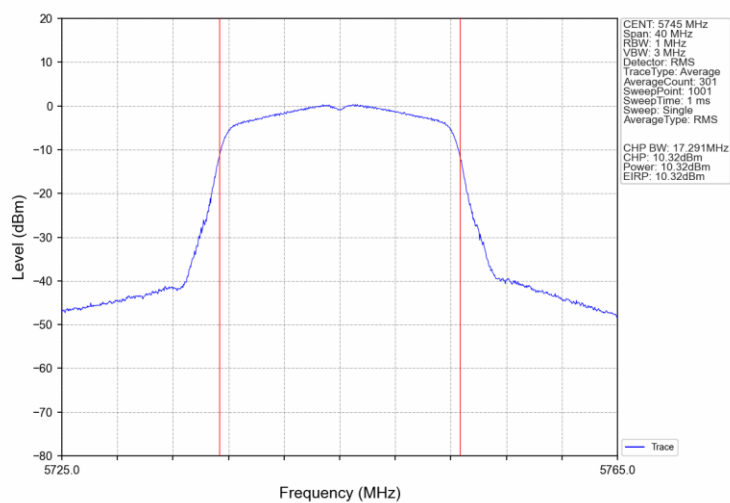
802.11a_MCH_5580MHz_Ant1_NTNV



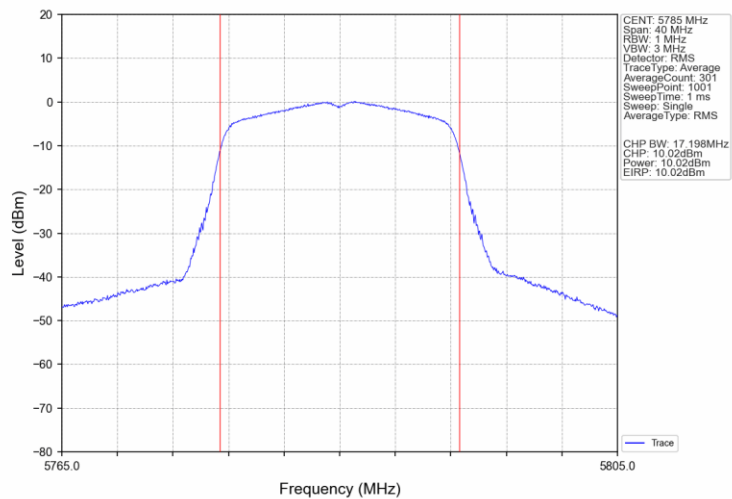
802.11a_HCH_5700MHz_Ant1_NTNV



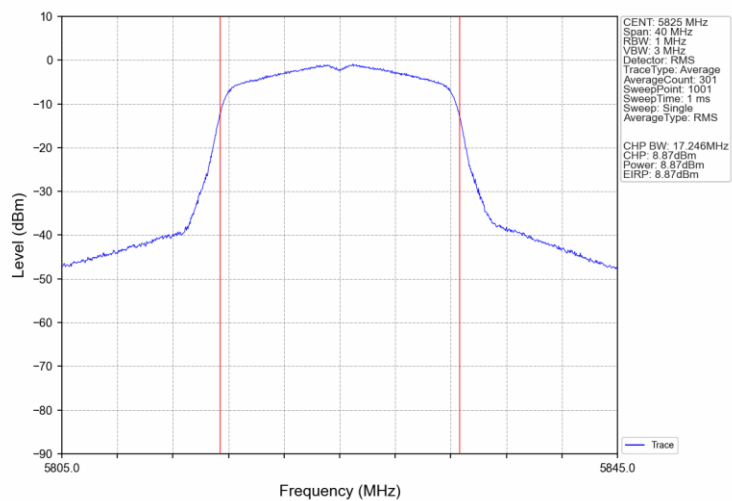
802.11a_LCH_5745MHz_Ant1_NTNV



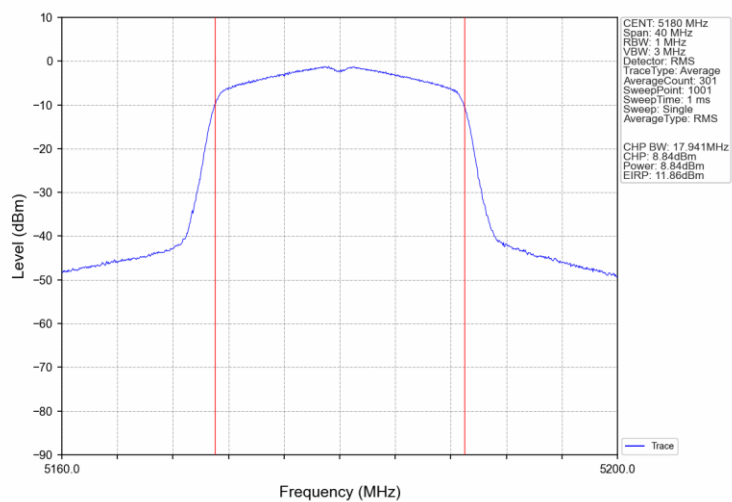
802.11a_MCH_5785MHz_Ant1_NTNV



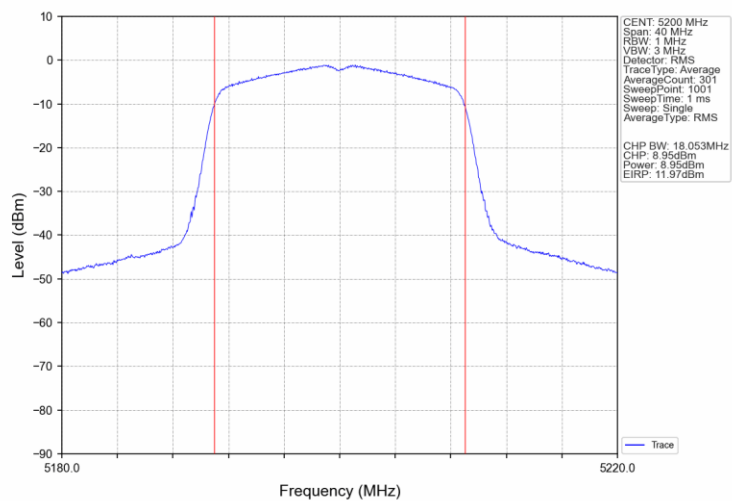
802.11a_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

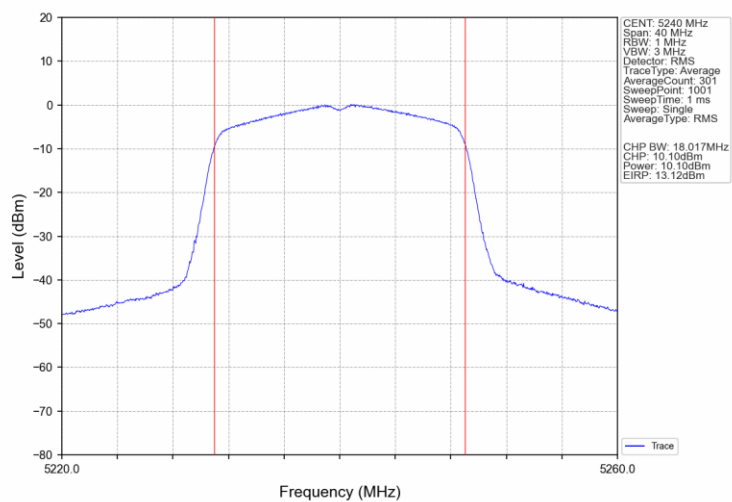


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

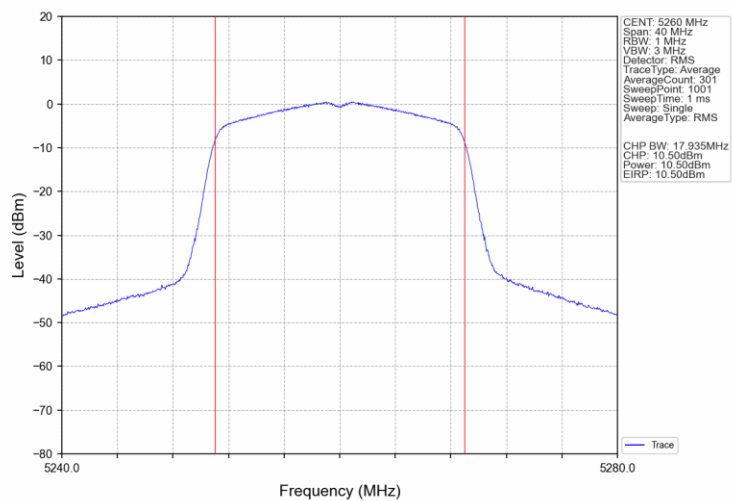




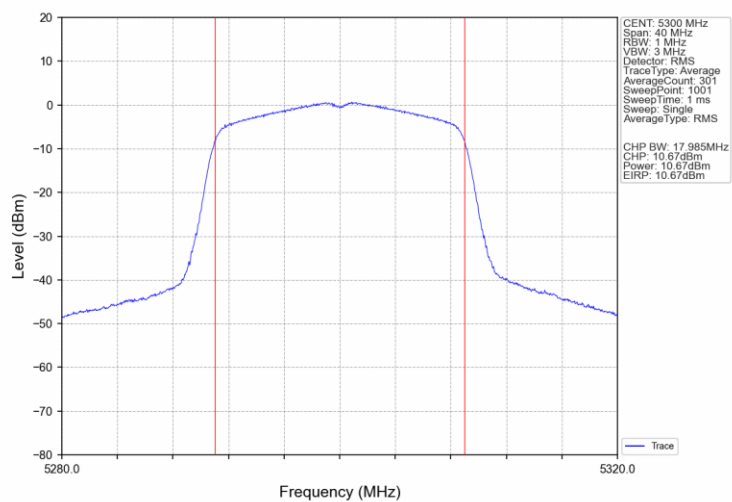
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



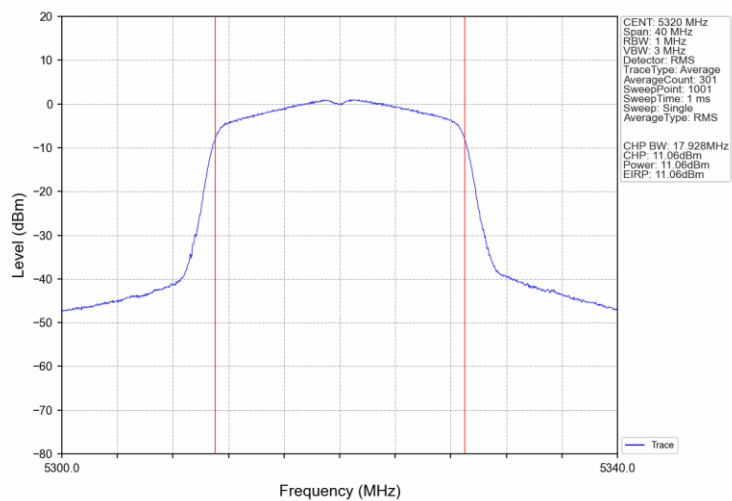
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



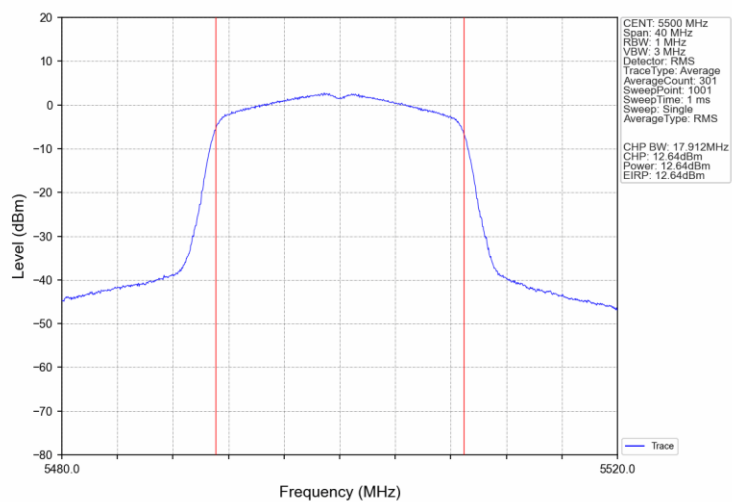
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



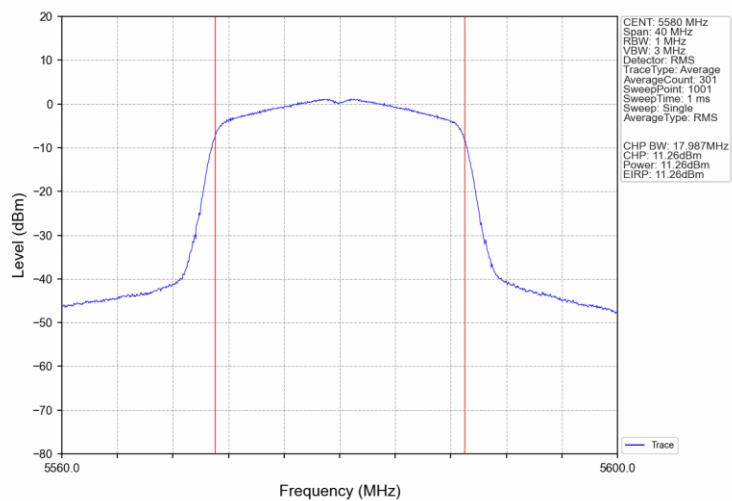
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



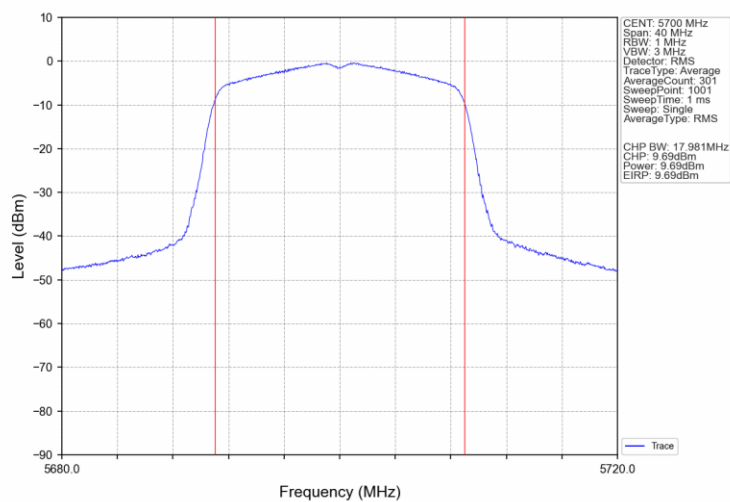
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



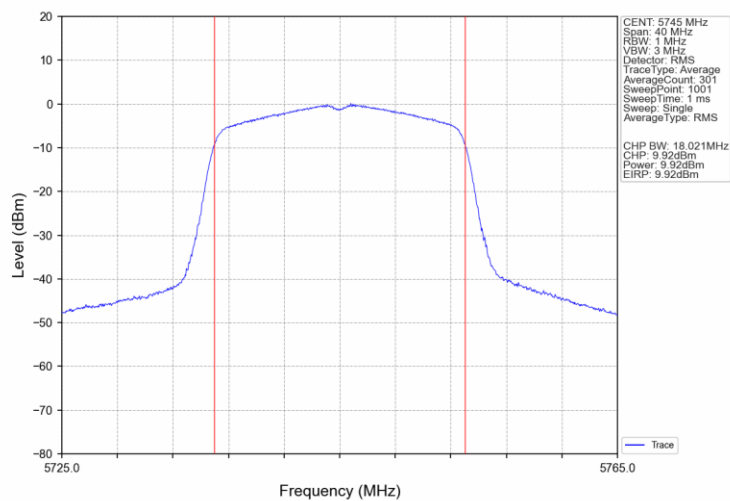
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



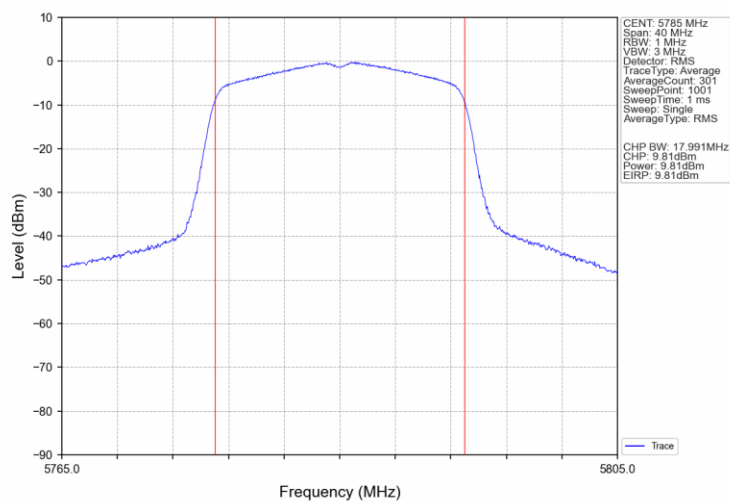
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



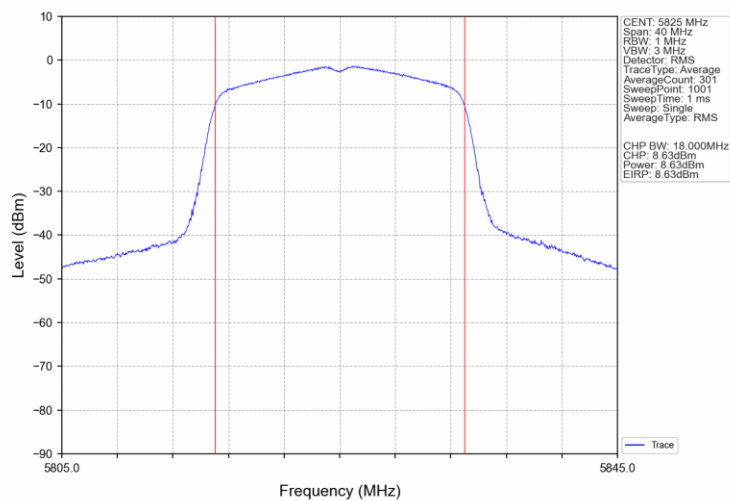
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



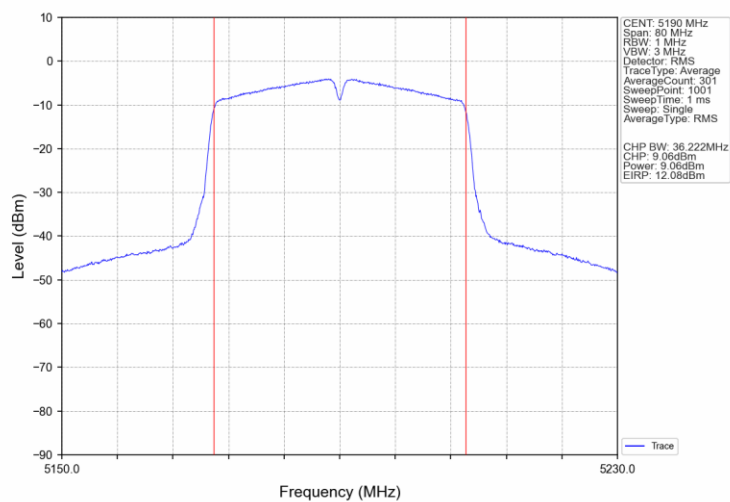
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



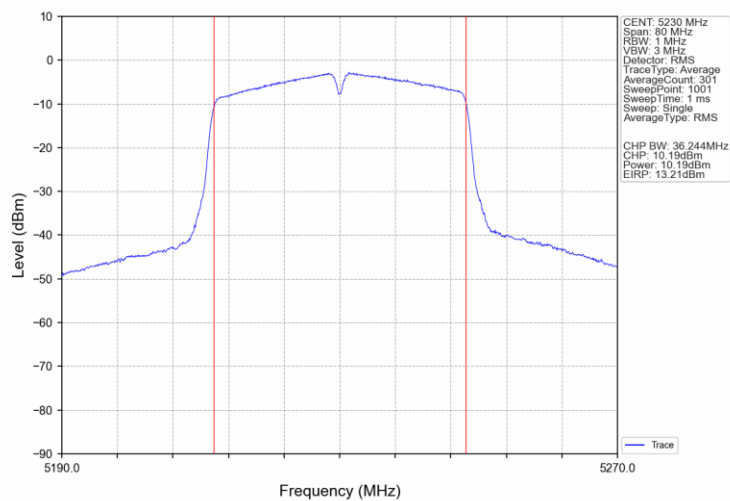
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



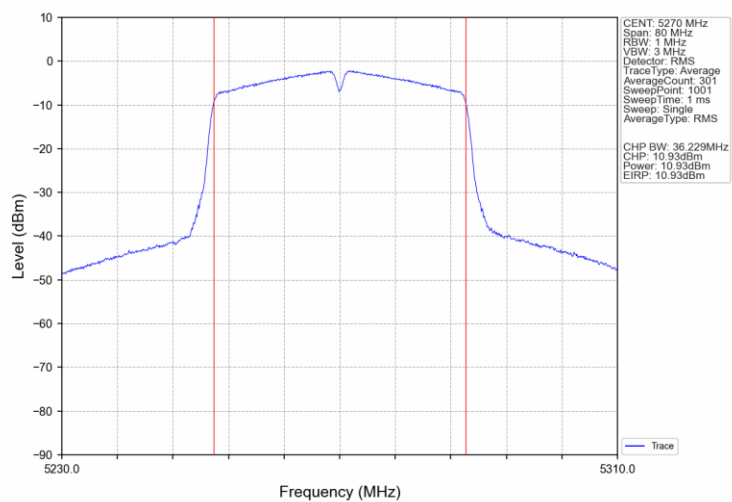
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



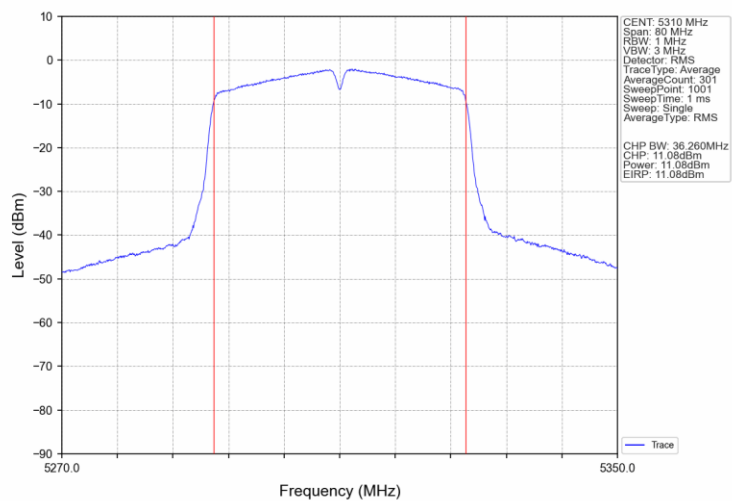
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



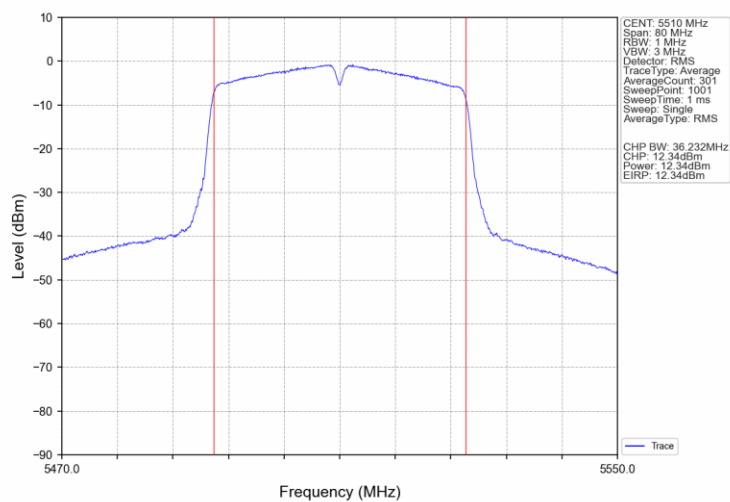
802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



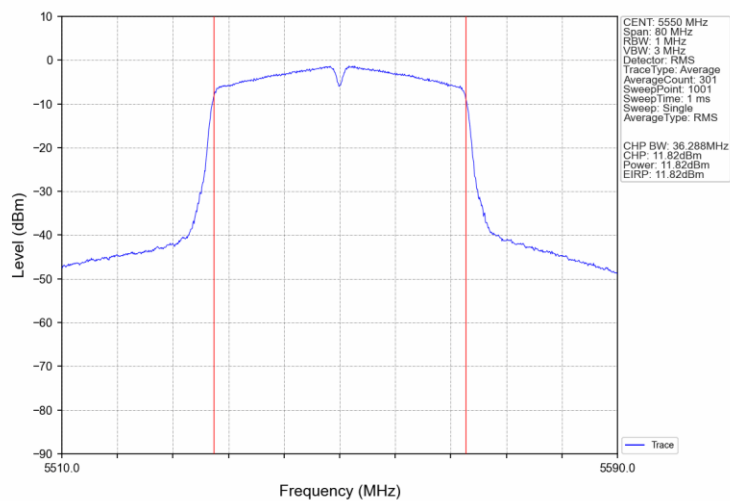
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



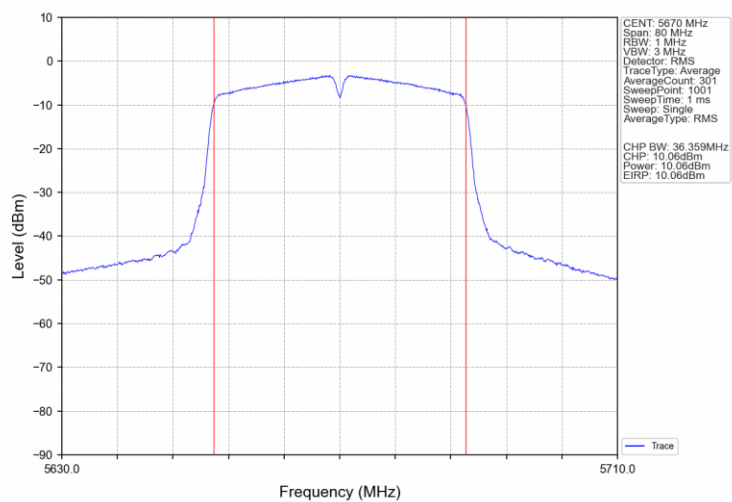
802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



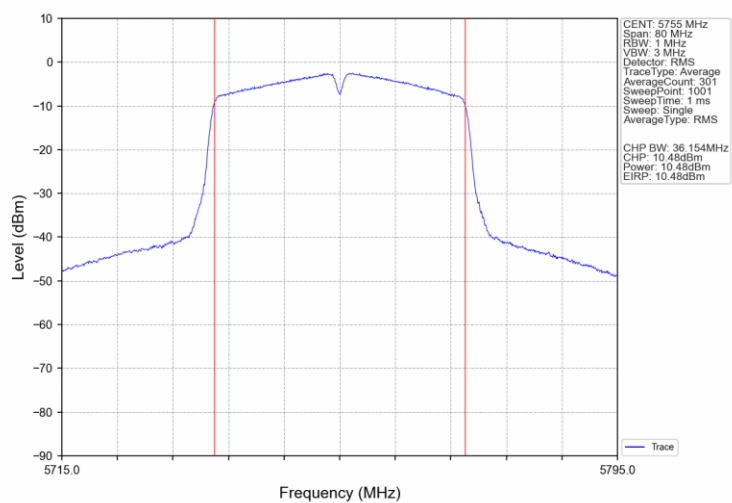
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



802.11n(HT40)_HCH_5670MHz_Ant1_NTNV

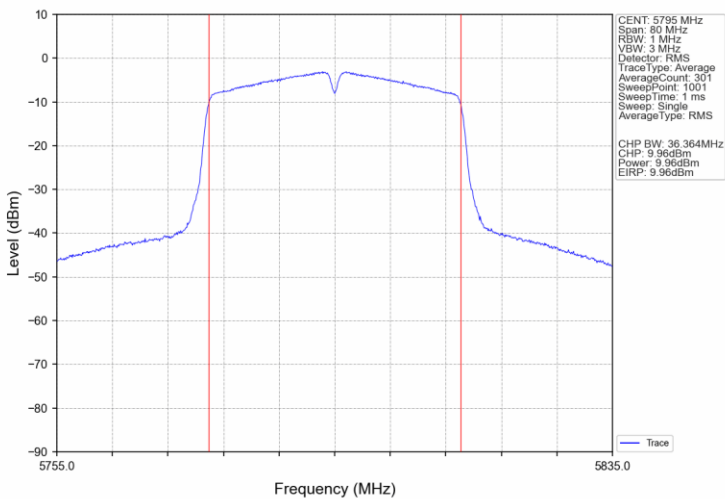


802.11n(HT40)_LCH_5755MHz_Ant1_NTNV





802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



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	5260	1.09	<=11	Pass
		5300	-0.72	<=11	Pass
		5320	1.18	<=11	Pass
		5500	3.16	<=11	Pass
		5580	1.39	<=11	Pass
		5700	0.02	<=11	Pass
802.11n (HT20)	SISO	5260	0.46	<=11	Pass
		5300	0.72	<=11	Pass
		5320	1.17	<=11	Pass
		5500	2.62	<=11	Pass
		5580	1.22	<=11	Pass
		5700	-0.38	<=11	Pass
802.11n (HT40)	SISO	5270	-2.06	<=11	Pass
		5310	-2.05	<=11	Pass
		5510	-0.80	<=11	Pass
		5550	-1.27	<=11	Pass
		5670	-3.12	<=11	Pass

3.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-2.37	<=30	Pass
		5785	-2.61	<=30	Pass
		5825	-3.72	<=30	Pass
802.11n (HT20)	SISO	5745	-2.94	<=30	Pass
		5785	-2.92	<=30	Pass
		5825	-3.92	<=30	Pass
802.11n (HT40)	SISO	5755	-5.32	<=30	Pass
		5795	-5.84	<=30	Pass

3.1.3 E.I.R.PSD

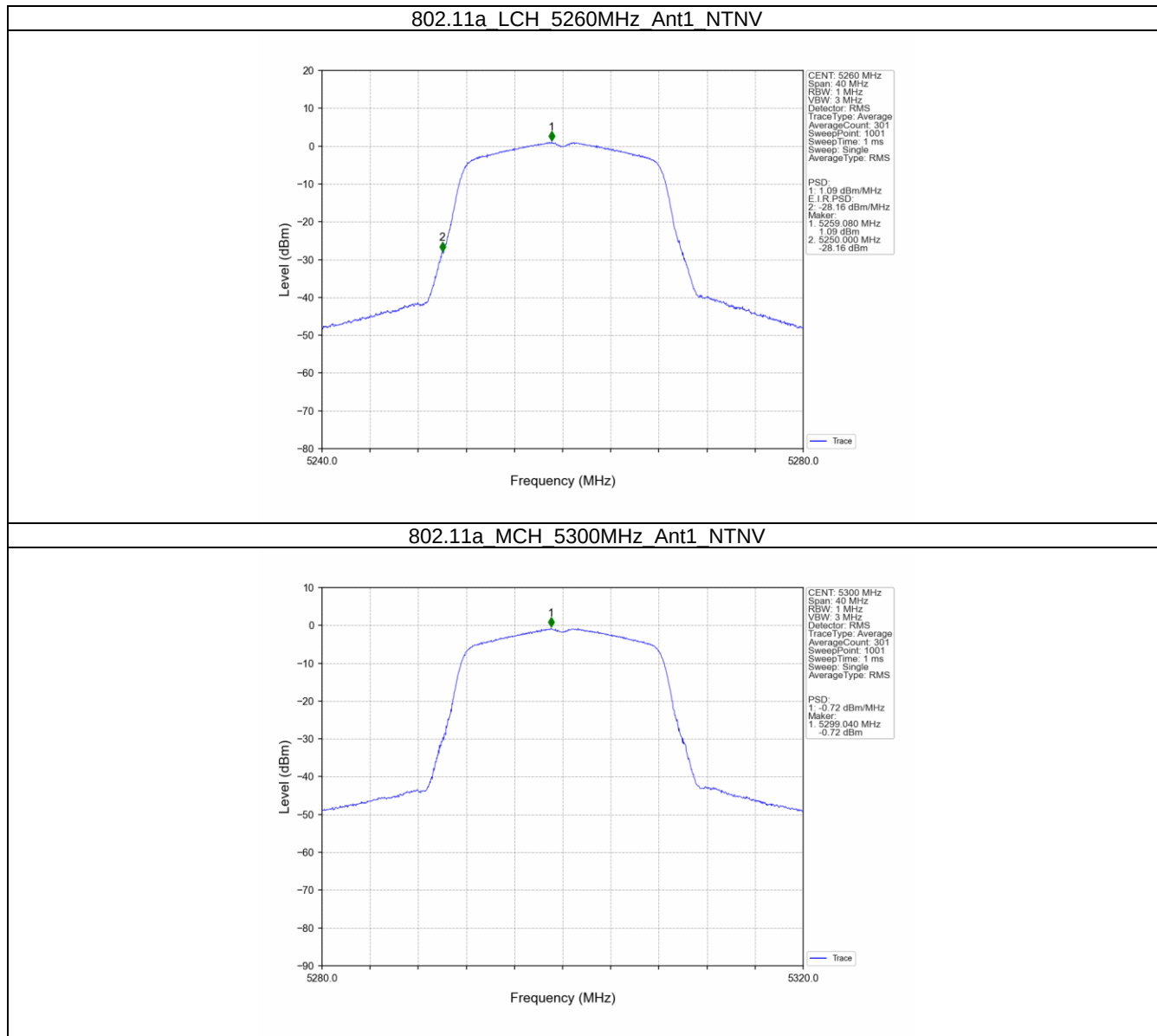
Mode	TX Type	Frequency (MHz)	Maximum E.I.R.PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	1.93	<=10	Pass
		5200	2.04	<=10	Pass
		5240	3.55	<=10	Pass
802.11n (HT20)	SISO	5180	1.91	<=10	Pass
		5200	2.01	<=10	Pass
		5240	3.19	<=10	Pass
802.11n (HT40)	SISO	5190	-1.03	<=10	Pass
		5230	0.18	<=10	Pass

Note1: Antenna Gain: Ant1: 3.02dBi;

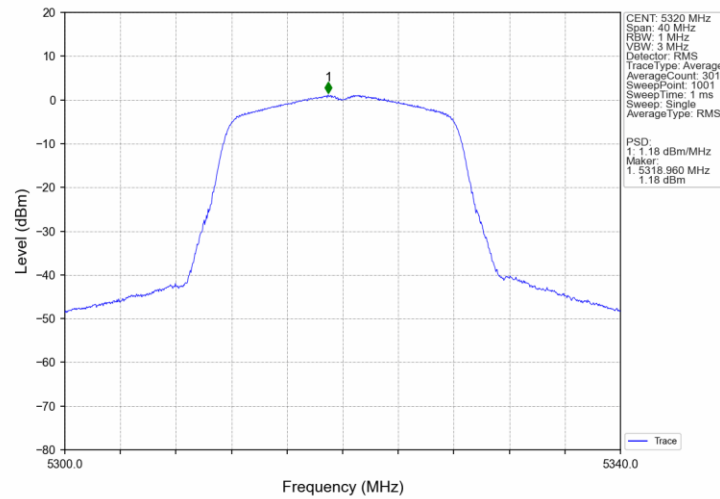
Note2: E.I.R.PSD = Measured PSD + Antenna Gain

3.2 Test Graph

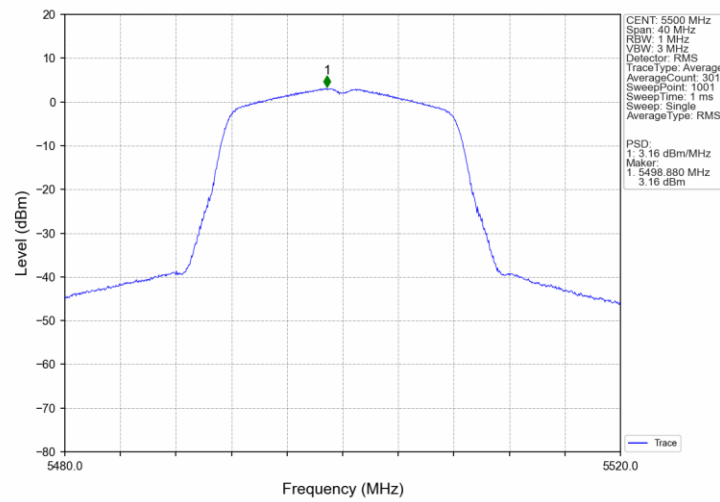
3.2.1 PSD



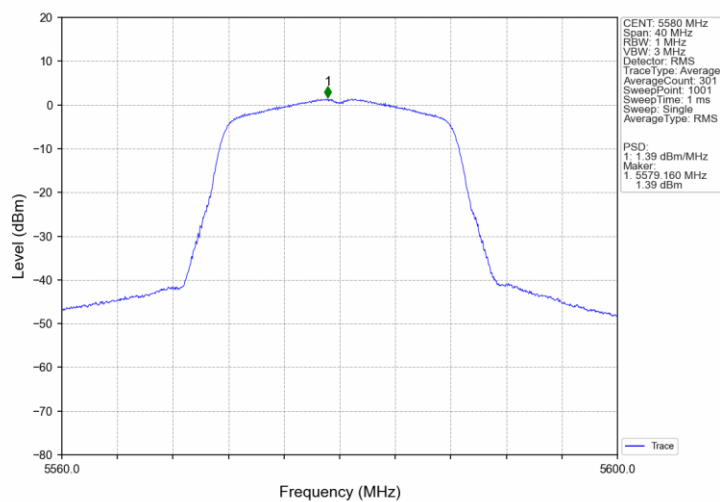
802.11a_HCH_5320MHz_Ant1_NTNV



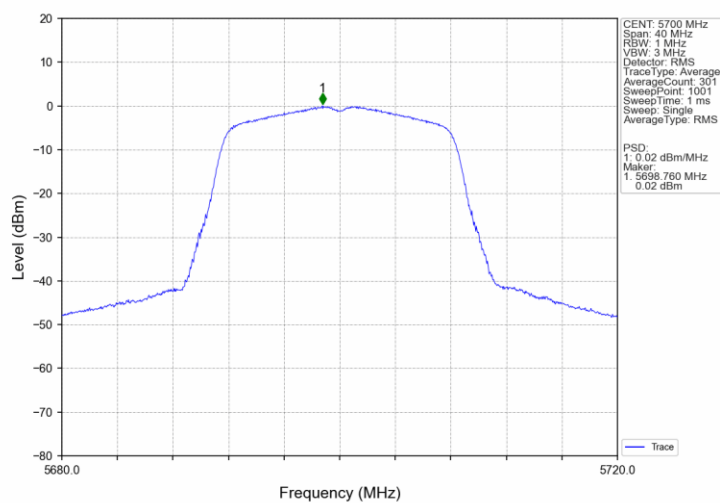
802.11a_LCH_5500MHz_Ant1_NTNV



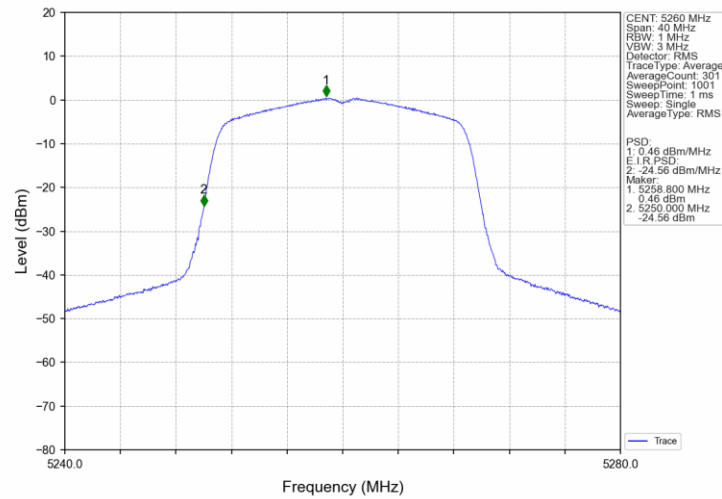
802.11a_MCH_5580MHz_Ant1_NTNV



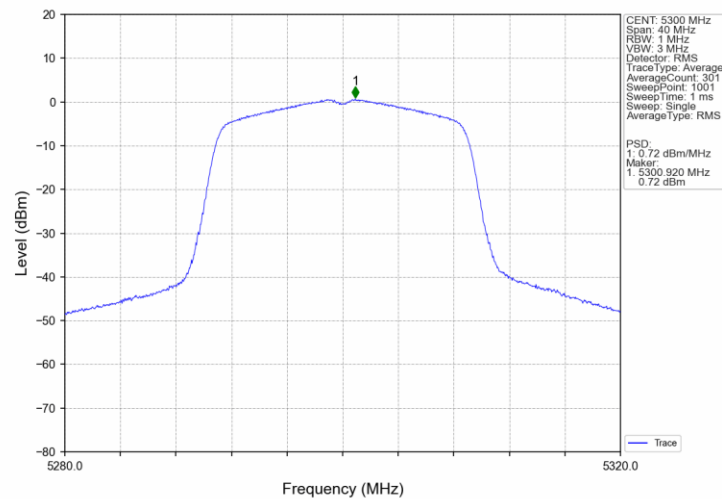
802.11a_HCH_5700MHz_Ant1_NTNV



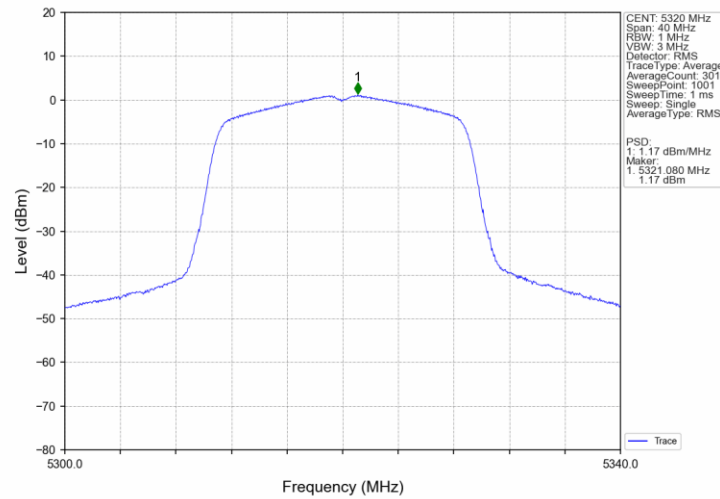
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



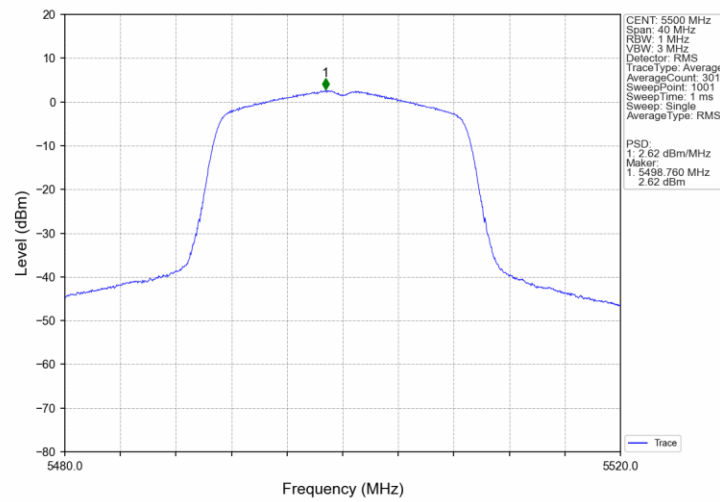
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



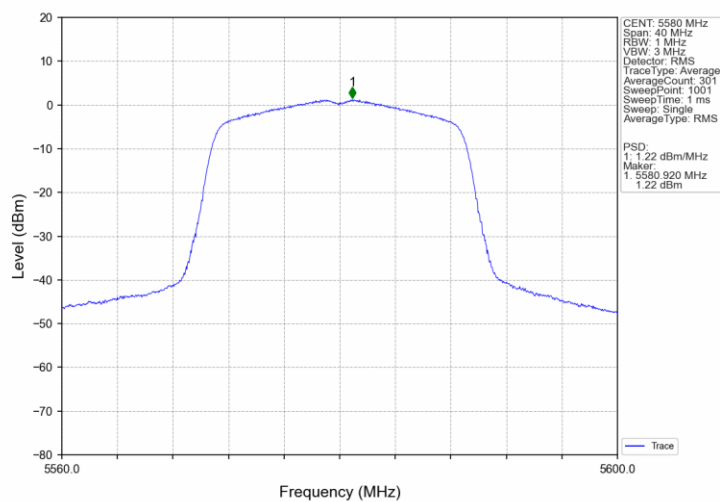
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



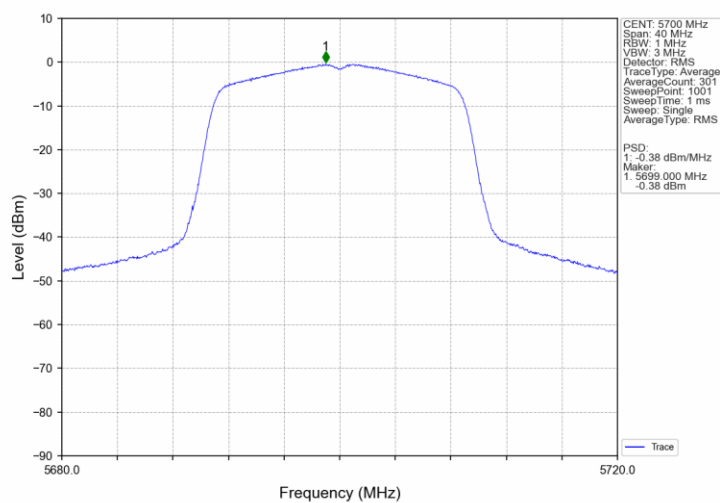
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



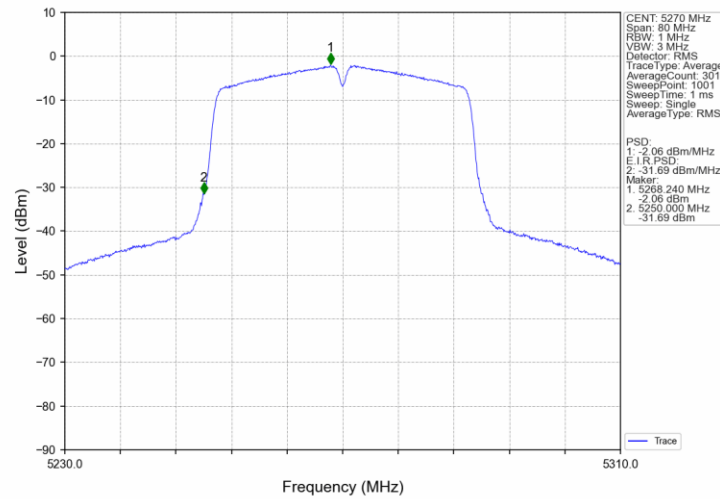
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



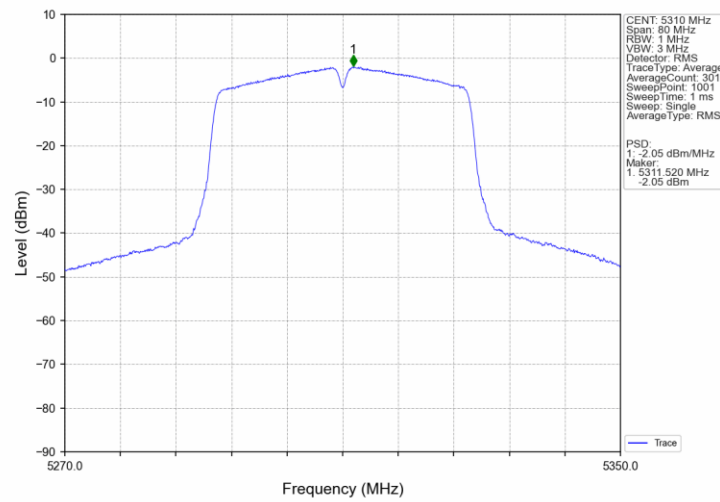
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



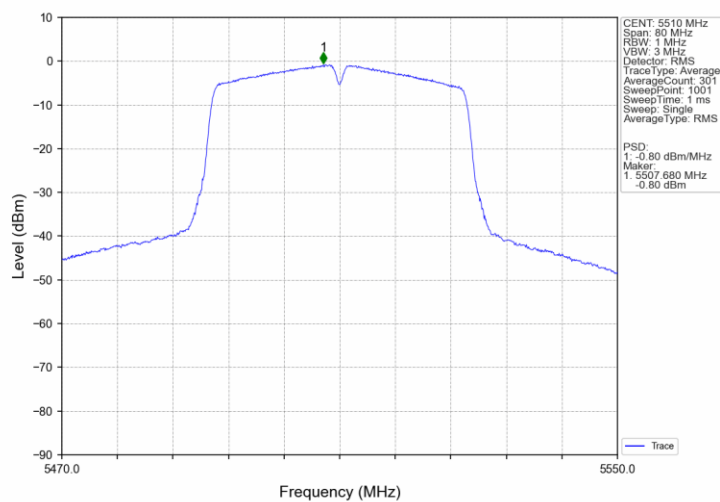
802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



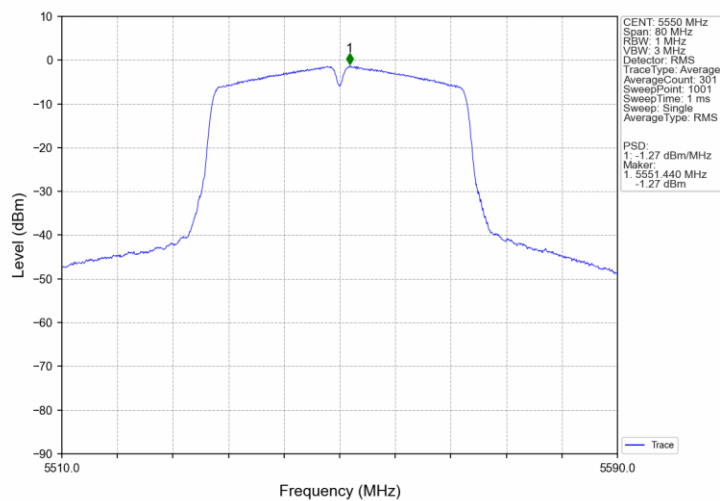
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



802.11n(HT40)_LCH_5510MHz_Ant1_NTNV

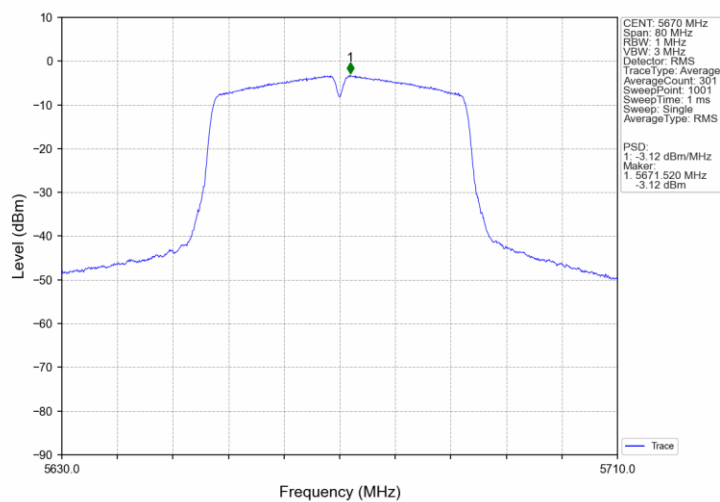


802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



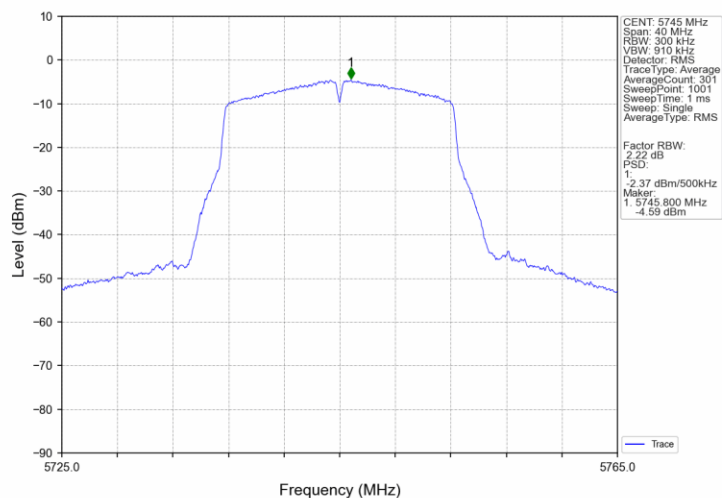


802.11n(HT40)_HCH_5670MHz_Ant1_NTNV

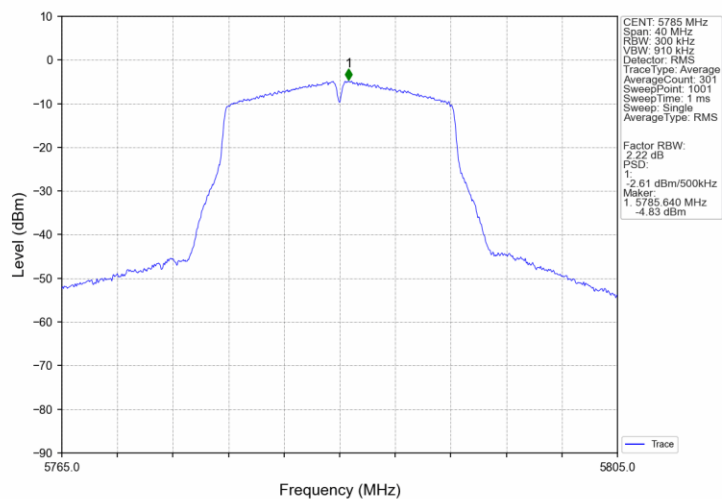


3.2.2 PSD-Band3

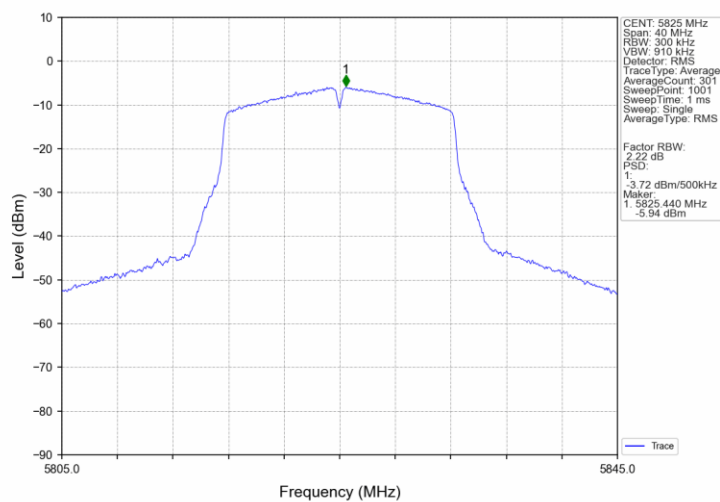
802.11a LCH 5745MHz Ant1 NTN



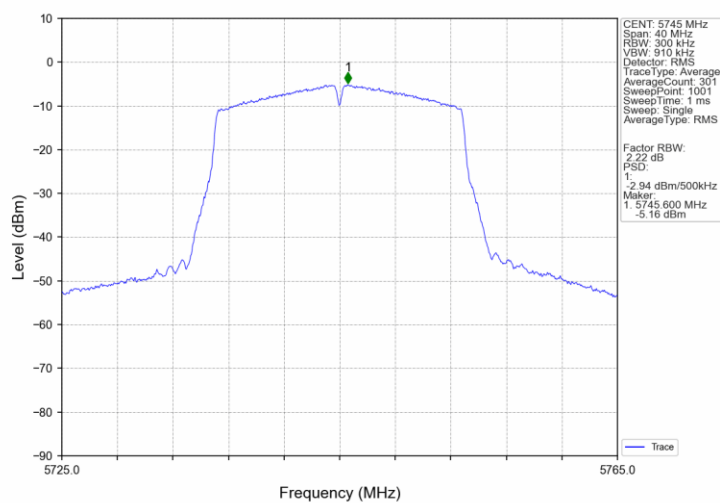
802.11a MCH 5785MHz Ant1 NTN



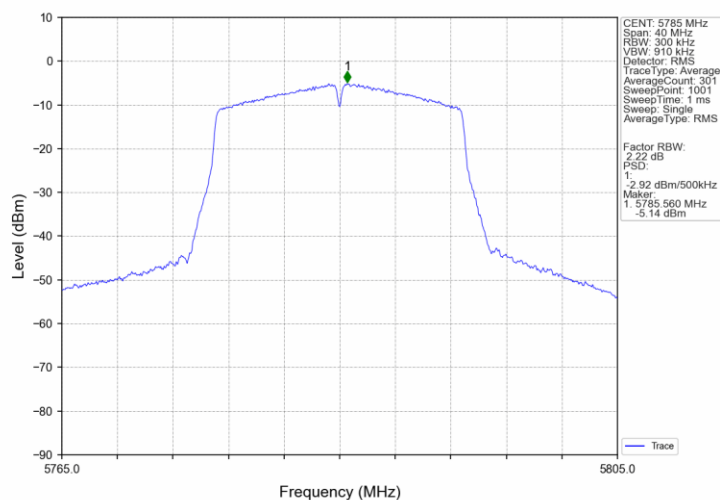
802.11a_HCH_5825MHz_Ant1_NTNV



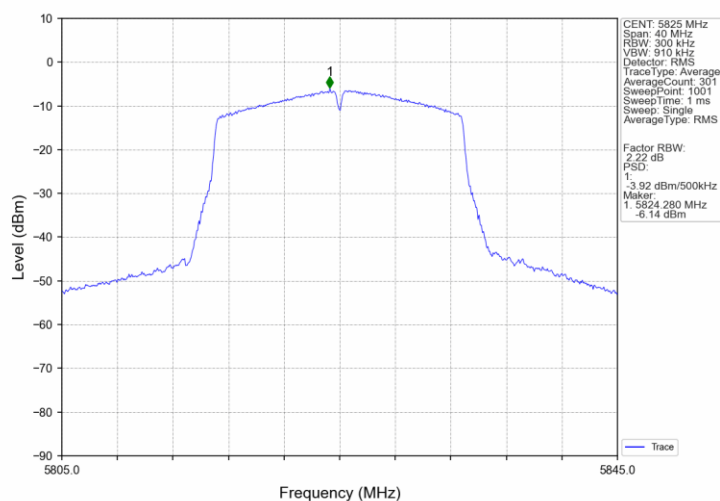
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



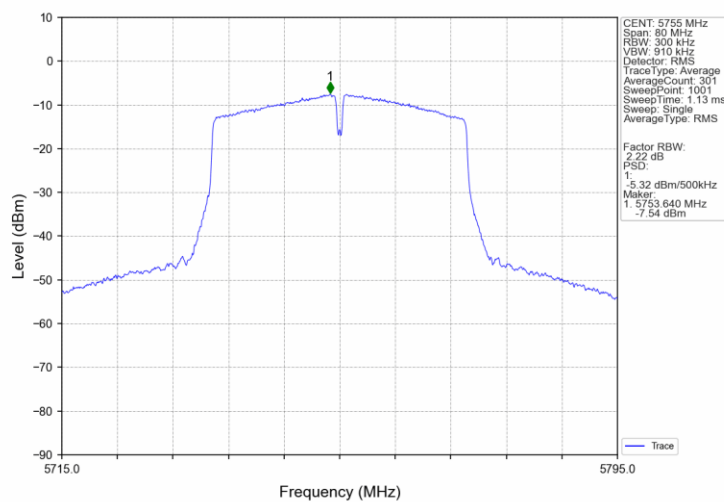
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



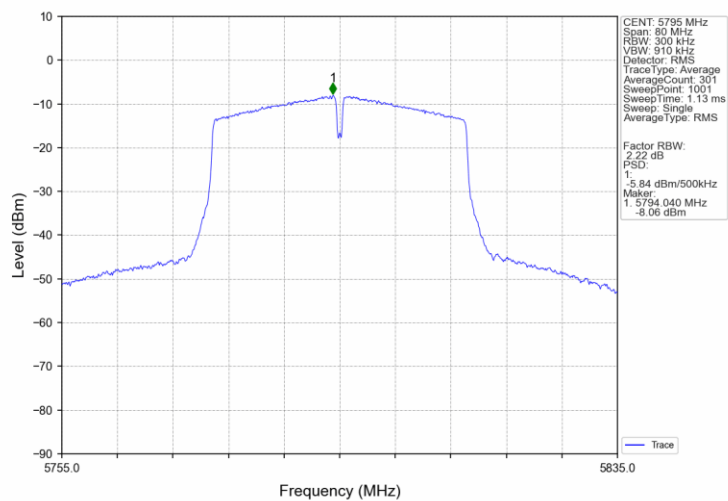
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

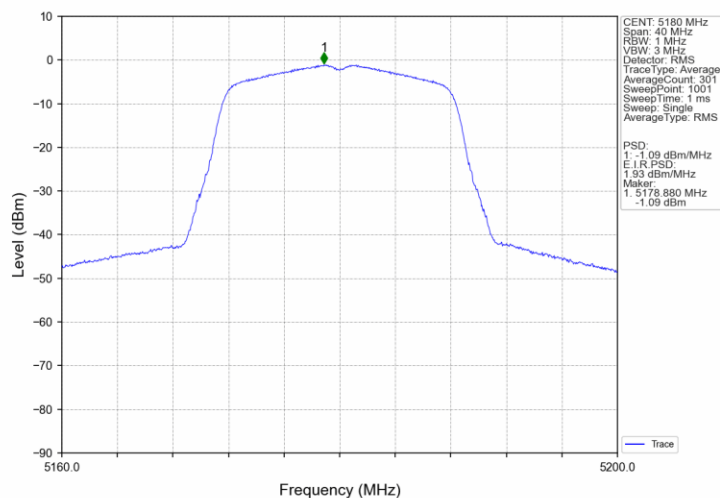


802.11n(HT40)_HCH_5795MHz_Ant1_NTNV

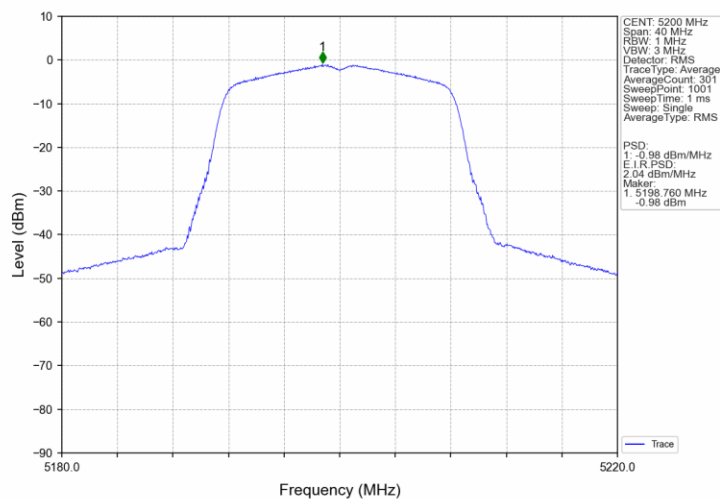


3.2.3 E.I.R.PSD

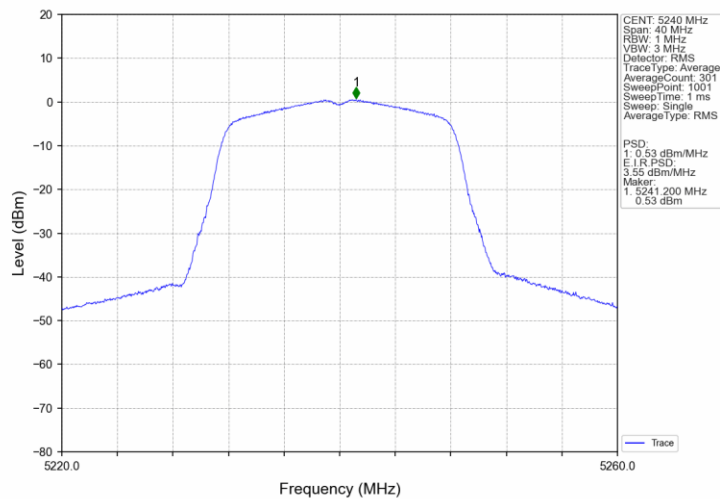
802.11a LCH 5180MHz Ant1 NTNV



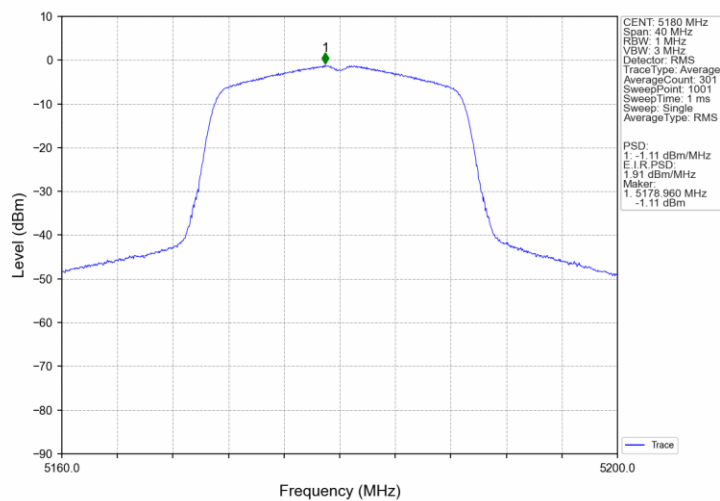
802.11a MCH 5200MHz Ant1 NTNV



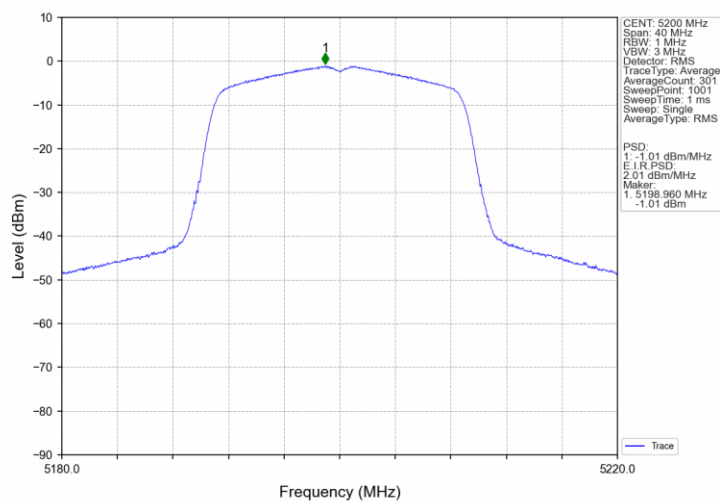
802.11a_HCH_5240MHz_Ant1_NTNV



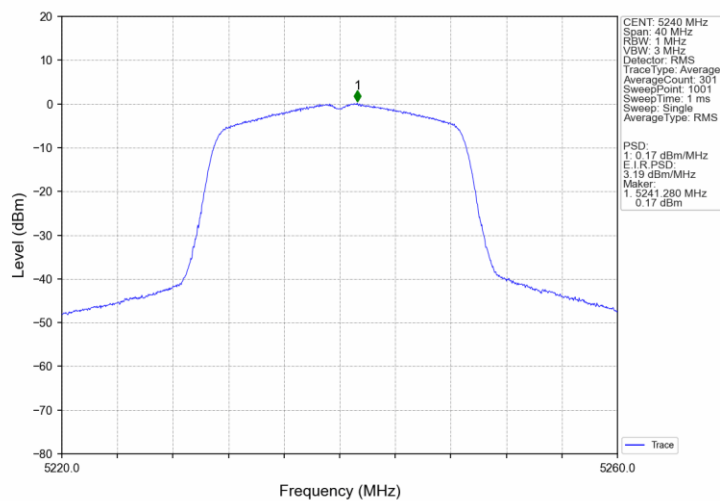
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



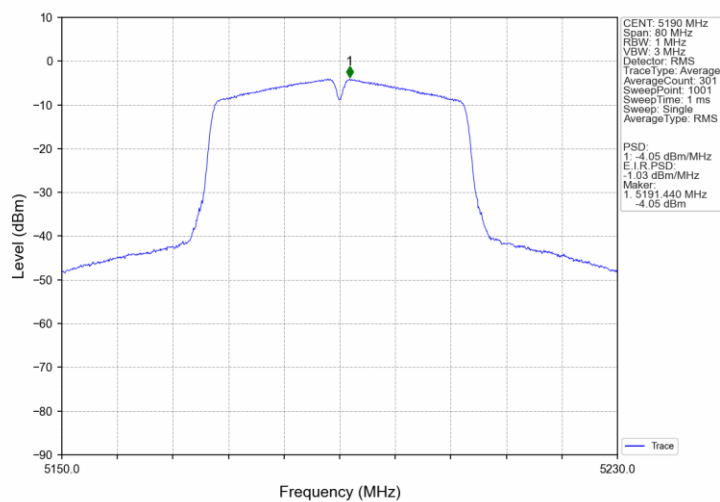
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



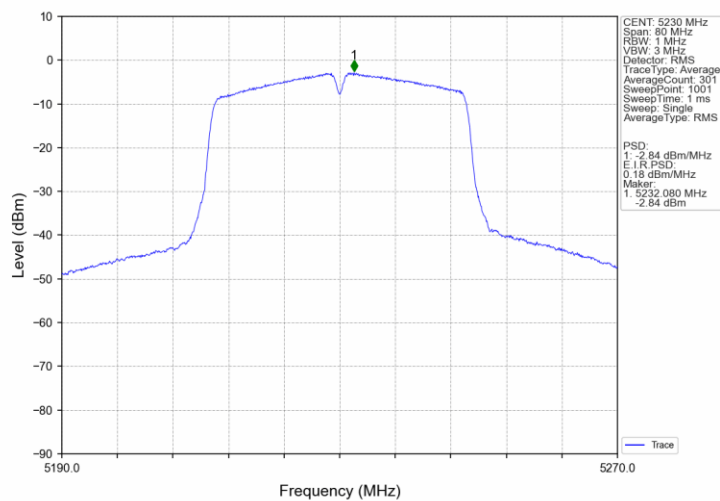
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



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	5180	20	102	5179.970	5173.171 to 5186.829	Pass
				120	5179.973	5173.171 to 5186.829	Pass
				138	5179.975	5173.171 to 5186.829	Pass
			-30	120	5179.977	5173.171 to 5186.829	Pass
			50	120	5179.987	5173.171 to 5186.829	Pass
		5200	20	102	5199.985	5193.163 to 5206.837	Pass
				120	5199.986	5193.163 to 5206.837	Pass
				138	5199.988	5193.163 to 5206.837	Pass
			-30	120	5199.989	5193.163 to 5206.837	Pass
			50	120	5199.967	5193.163 to 5206.837	Pass
		5240	20	102	5239.967	5233.148 to 5246.852	Pass
				120	5239.968	5233.148 to 5246.852	Pass
				138	5239.969	5233.148 to 5246.852	Pass
			-30	120	5239.970	5233.148 to 5246.852	Pass
			50	120	5239.974	5233.148 to 5246.852	Pass
		5260	20	102	5259.970	5253.132 to 5266.868	Pass
				120	5259.972	5253.132 to 5266.868	Pass
				138	5259.974	5253.132 to 5266.868	Pass
			-30	120	5259.975	5253.132 to 5266.868	Pass
			50	120	5259.978	5253.132 to 5266.868	Pass
		5300	20	102	5299.973	5293.16 to 5306.84	Pass
				120	5299.976	5293.16 to 5306.84	Pass
				138	5299.976	5293.16 to 5306.84	Pass
			-30	120	5299.978	5293.16 to 5306.84	Pass
			50	120	5299.981	5293.16 to 5306.84	Pass
		5320	20	102	5319.973	5313.157 to 5326.843	Pass
				120	5319.976	5313.157 to 5326.843	Pass
				138	5319.977	5313.157 to 5326.843	Pass
			-30	120	5319.978	5313.157 to 5326.843	Pass
			50	120	5319.981	5313.157 to 5326.843	Pass
		5500	20	102	5499.974	5493.214 to 5506.786	Pass
				120	5499.977	5493.214 to 5506.786	Pass
				138	5499.978	5493.214 to 5506.786	Pass
			-30	120	5499.979	5493.214 to 5506.786	Pass
			50	120	5499.983	5493.214 to 5506.786	Pass
		5580	20	102	5579.973	5573.158 to 5586.842	Pass
				120	5579.977	5573.158 to 5586.842	Pass
				138	5579.978	5573.158 to 5586.842	Pass
			-30	120	5579.979	5573.158 to 5586.842	Pass
			50	120	5579.983	5573.158 to 5586.842	Pass
		5700	20	102	5699.975	5693.118 to 5706.882	Pass
				120	5699.977	5693.118 to 5706.882	Pass
				138	5699.979	5693.118 to 5706.882	Pass
			-30	120	5699.980	5693.118 to 5706.882	Pass
			50	120	5699.983	5693.118 to 5706.882	Pass
		5745	20	102	5744.963	5738.084 to 5751.916	Pass



				120	5744.967	5738.084 to 5751.916	Pass
				138	5744.971	5738.084 to 5751.916	Pass
			-30	120	5744.973	5738.084 to 5751.916	Pass
			50	120	5744.981	5738.084 to 5751.916	Pass
		5785	20	102	5784.974	5778.121 to 5791.879	Pass
				120	5784.978	5778.121 to 5791.879	Pass
				138	5784.979	5778.121 to 5791.879	Pass
			-30	120	5784.981	5778.121 to 5791.879	Pass
			50	120	5784.984	5778.121 to 5791.879	Pass
		5825	20	102	5824.974	5818.102 to 5831.898	Pass
				120	5824.978	5818.102 to 5831.898	Pass
				138	5824.980	5818.102 to 5831.898	Pass
			-30	120	5824.982	5818.102 to 5831.898	Pass
			50	120	5824.985	5818.102 to 5831.898	Pass

5. Form731

5.1 Test Result

5.1.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
5180	5240	0.0111	10.45
5260	5320	0.0128	11.06
5500	5700	0.0196	12.93
5745	5825	0.0108	10.32
5190	5230	0.0104	10.19
5270	5310	0.0128	11.08
5510	5670	0.0171	12.34
5755	5795	0.0112	10.48

Mode	Lower Freq. (MHz)	High Freq. (MHz)	MAX Power (W)	MAX Power (dBm)	MIN Power (W)	MIN Power (dBm)	Emission Designator	MAX OBW (MHz)
802.11a	5180	5240	0.0111	10.45	0.0076	8.79	17M1D1D	17.131
802.11a	5260	5320	0.0126	11.02	0.0082	9.15	17M2D1D	17.17
802.11a	5500	5700	0.0196	12.93	0.0097	9.88	17M2D1D	17.206
802.11a	5745	5825	0.0108	10.32	0.0077	8.87	17M3D1D	17.291
802.11n (HT20)	5180	5240	0.0102	10.10	0.0077	8.84	18M1D1D	18.053
802.11n (HT20)	5260	5320	0.0128	11.06	0.0112	10.50	18M0D1D	17.985
802.11n (HT20)	5500	5700	0.0184	12.64	0.0093	9.69	18M0D1D	17.987
802.11n (HT20)	5745	5825	0.0098	9.92	0.0073	8.63	18M0D1D	18.021
802.11n (HT40)	5190	5230	0.0104	10.19	0.0081	9.06	36M2D1D	36.244
802.11n (HT40)	5270	5310	0.0128	11.08	0.0124	10.93	36M3D1D	36.26
802.11n (HT40)	5510	5670	0.0171	12.34	0.0101	10.06	36M4D1D	36.359
802.11n (HT40)	5755	5795	0.0112	10.48	0.0099	9.96	36M4D1D	36.364