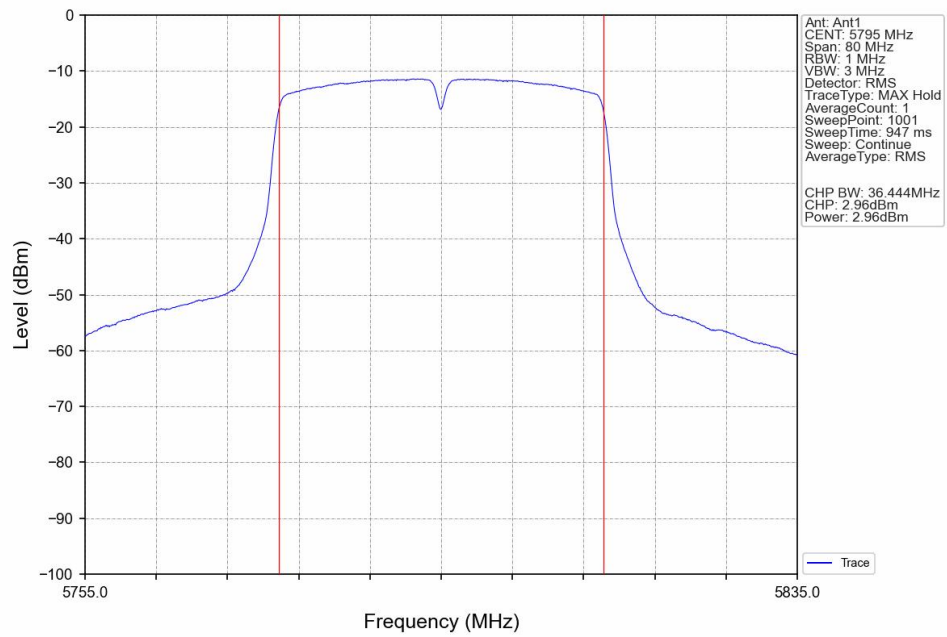
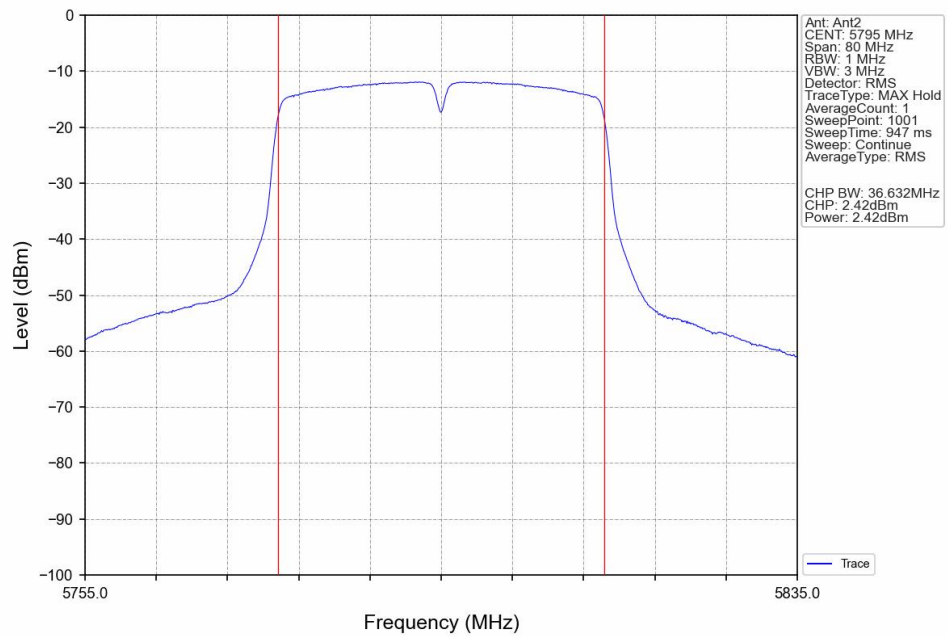


802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



4. Maximum Power Spectral Density

4.1 Test Result

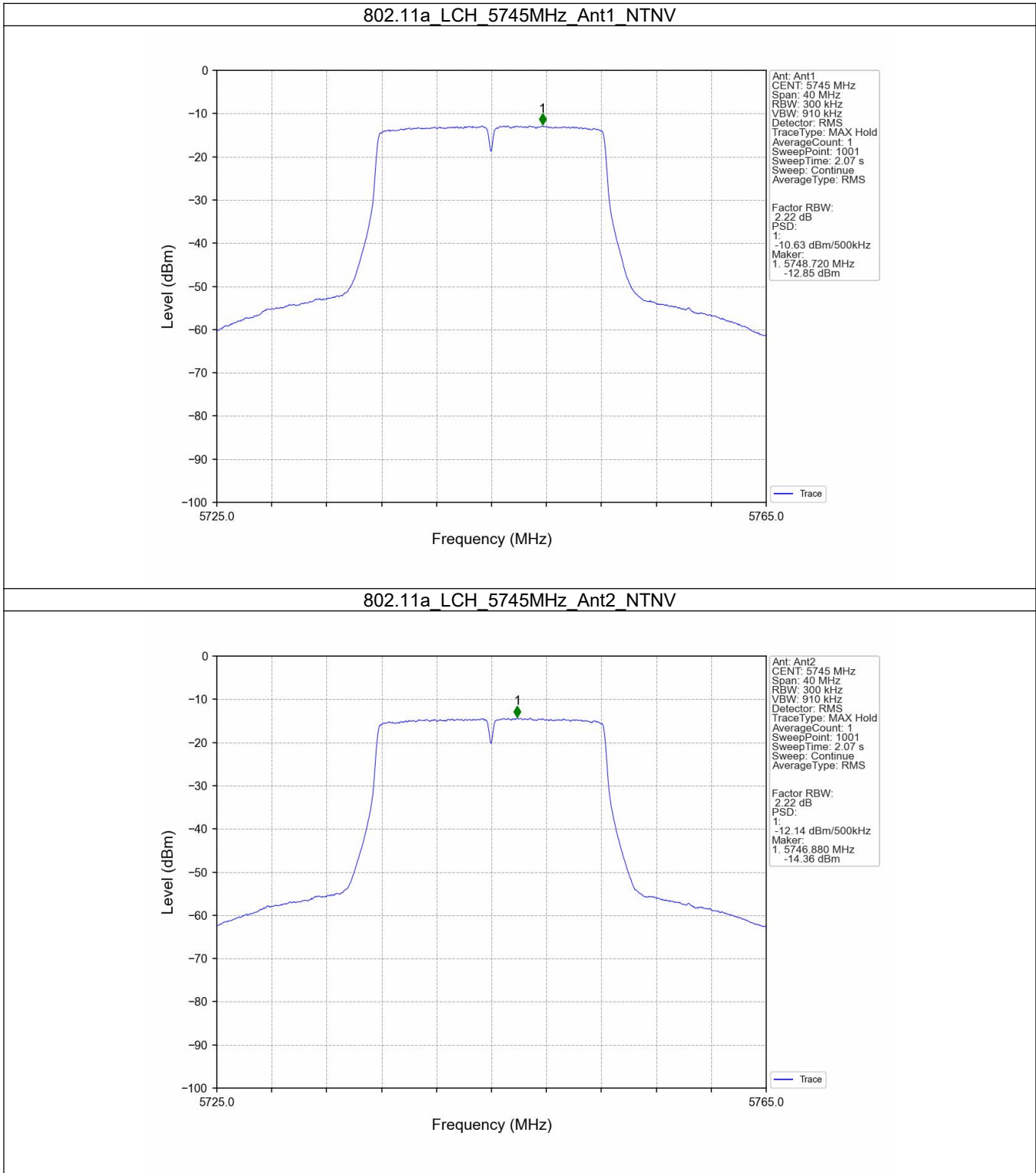
4.1.1 PSD-Band3

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	MIMO	5745	-10.63	-12.14	-8.36	<=28.14	Pass
		5785	-10.53	-12.29	-8.36	<=28.14	Pass
		5825	-10.56	-12.65	-8.47	<=28.14	Pass
802.11n (HT20)	MIMO	5745	-11.03	-13.22	-8.99	<=28.14	Pass
		5785	-10.76	-12.93	-8.71	<=28.14	Pass
		5825	-10.71	-12.87	-8.67	<=28.14	Pass
802.11n (HT40)	MIMO	5755	-14.11	-16.43	-12.11	<=28.14	Pass
		5795	-14.28	-16.02	-12.06	<=28.14	Pass
Note1: Antenna Gain: Ant1: 4.85dBi; Ant2: 4.85dBi; Note2: Directional Gain: Band3: 7.86dBi							

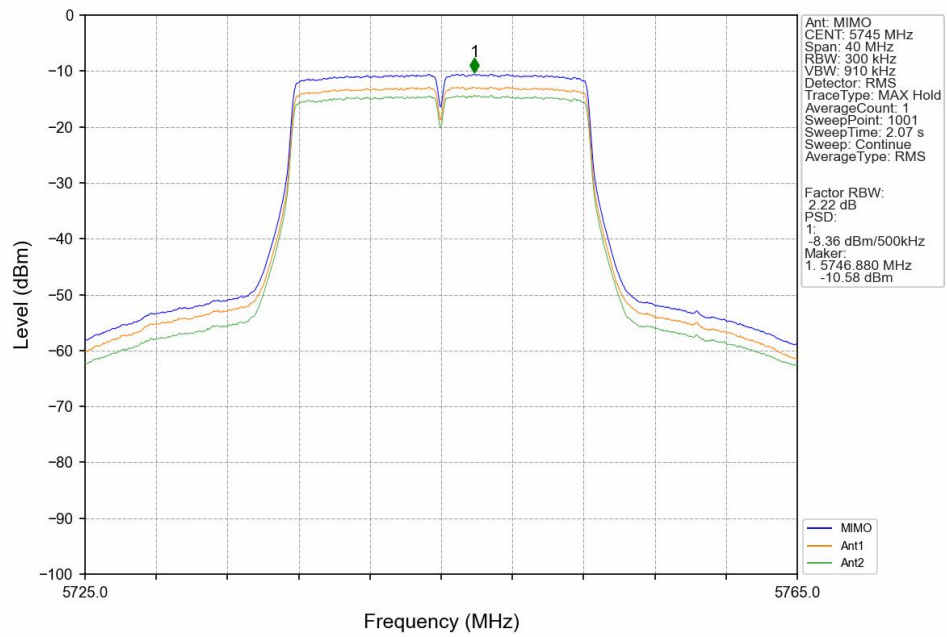
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz))				Maximum Average PowerSpectral Density (dBm)	Limit	Verdict
			ANT1	ANT2	Duty Cycle Correction Factor (dB)	MIMO			
802.11a	MIMO	5745	-10.63	-12.14	0.44	-8.36	-7.92	<=28.14	Pass
		5785	-10.53	-12.29	0.46	-8.36	-7.90	<=28.14	Pass
		5825	-10.56	-12.65	0.44	-8.47	-8.03	<=28.14	Pass
802.11n (HT20)	MIMO	5745	-11.03	-13.22	0.44	-8.99	-8.55	<=28.14	Pass
		5785	-10.76	-12.93	0.47	-8.71	-8.24	<=28.14	Pass
		5825	-10.71	-12.87	0.47	-8.67	-8.20	<=28.14	Pass
802.11n (HT40)	MIMO	5755	-14.11	-16.43	0.91	-12.11	-11.20	<=28.14	Pass
		5795	-14.28	-16.02	0.94	-12.06	-11.12	<=28.14	Pass
Note1: Antenna Gain: Ant1: 4.85dBi; Ant2: 4.85dBi; Note2: Directional Gain: 7.86dBi Note1: Maximum Average PowerSpectral Density = Conducted Measured PowerSpectral Density+ Duty Cycle Correction Factor									

4.2 Test Graph

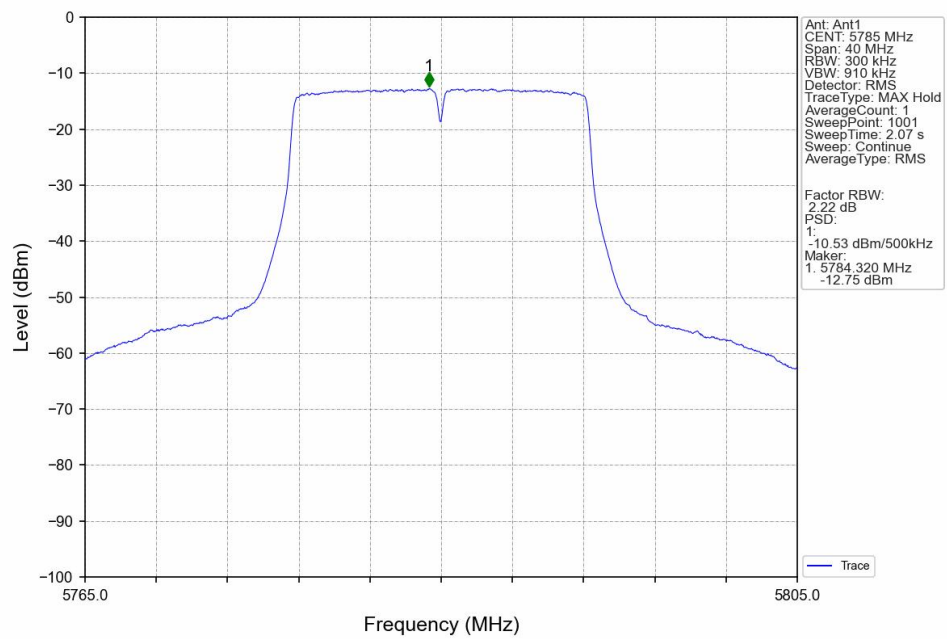
4.2.1 PSD-Band3



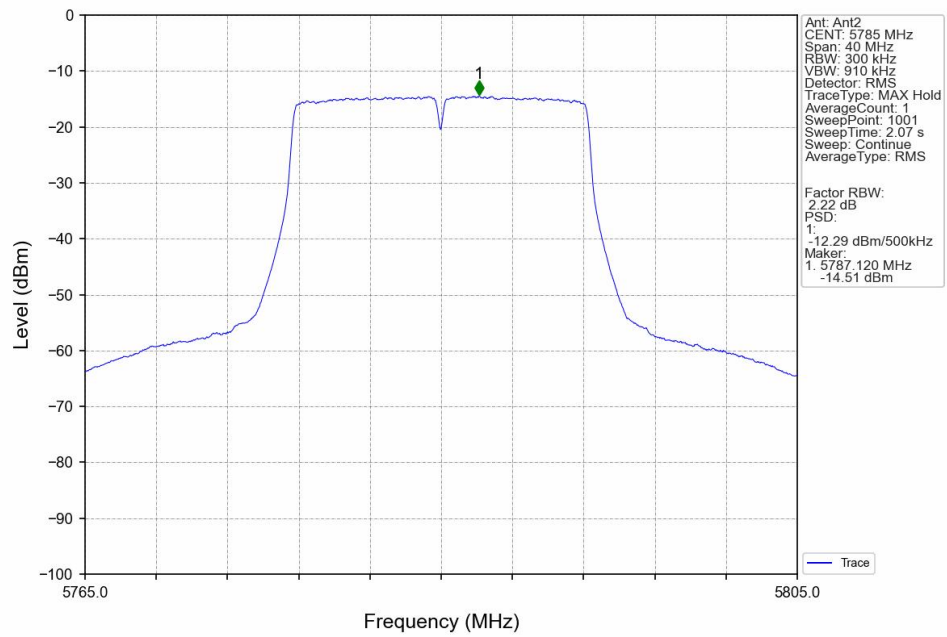
802.11a_LCH_5745MHz_MIMO_NTNV



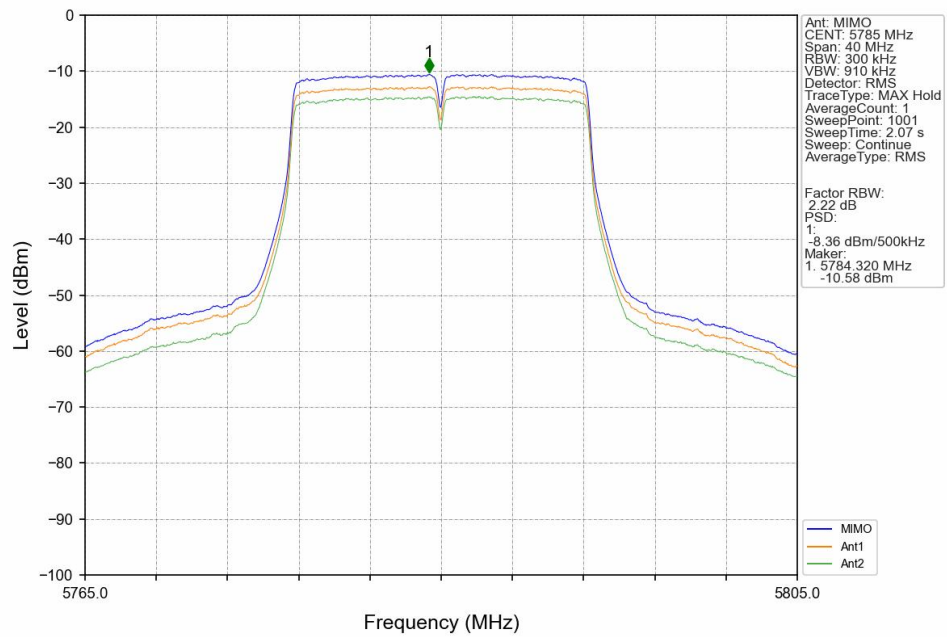
802.11a_MCH_5785MHz_Ant1_NTNV



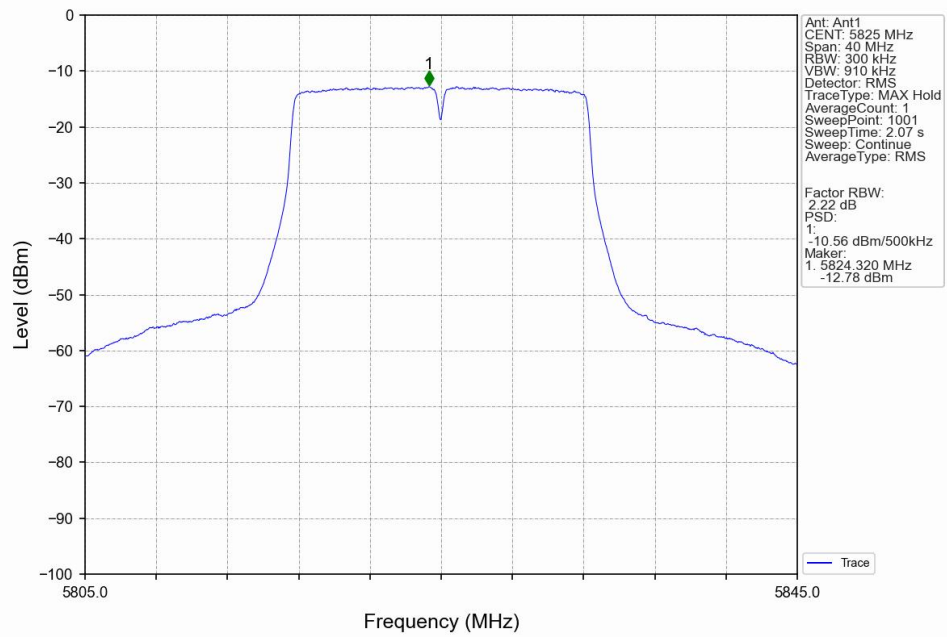
802.11a_MCH_5785MHz_Ant2_NTNV



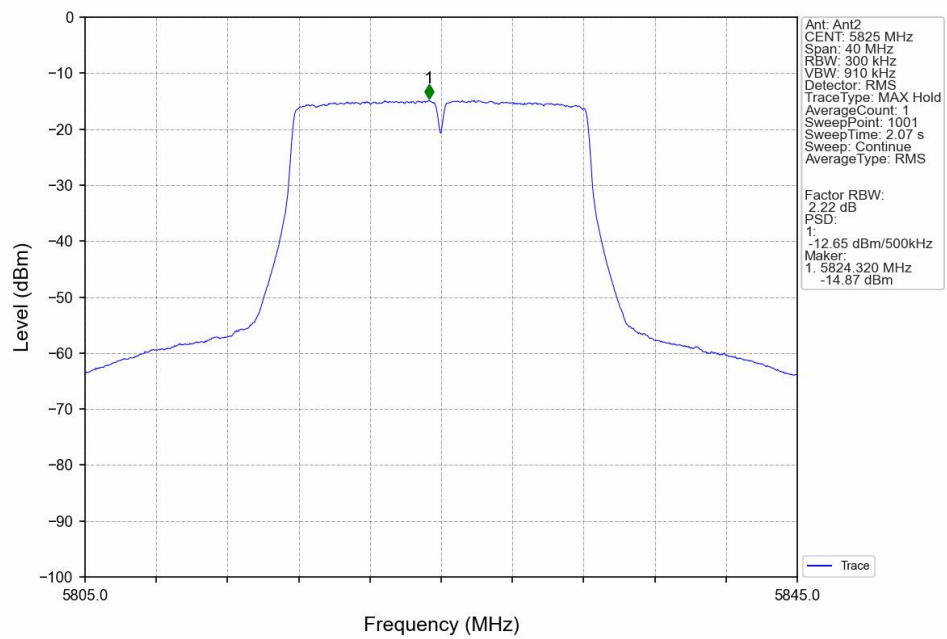
802.11a_MCH_5785MHz_MIMO_NTNV



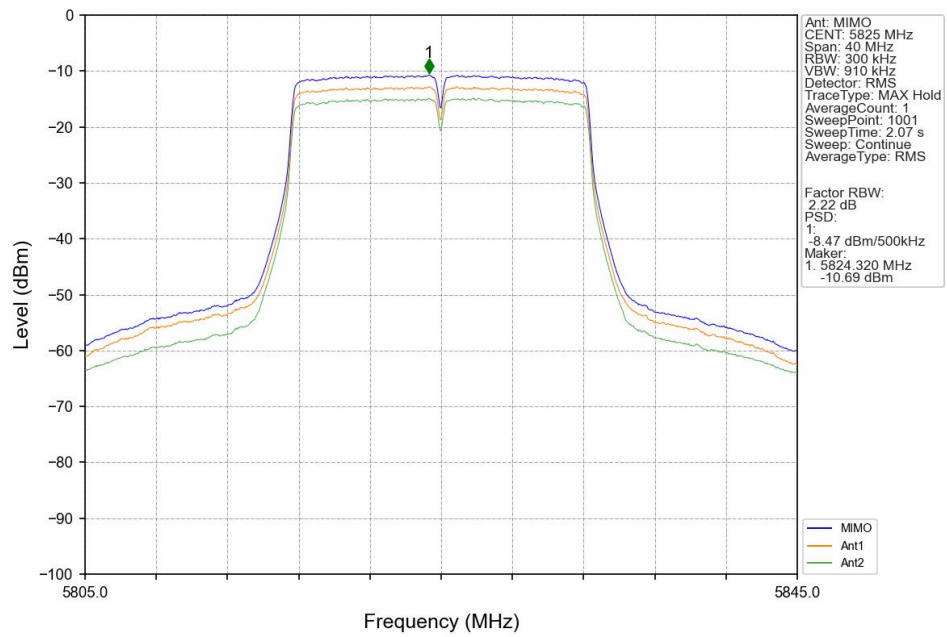
802.11a_HCH_5825MHz_Ant1_NTNV



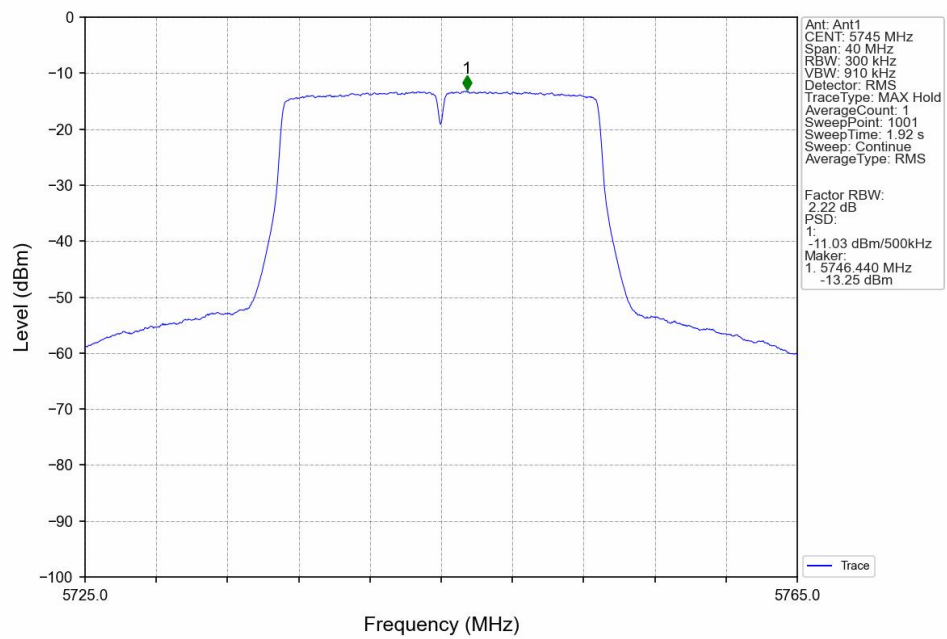
802.11a_HCH_5825MHz_Ant2_NTNV



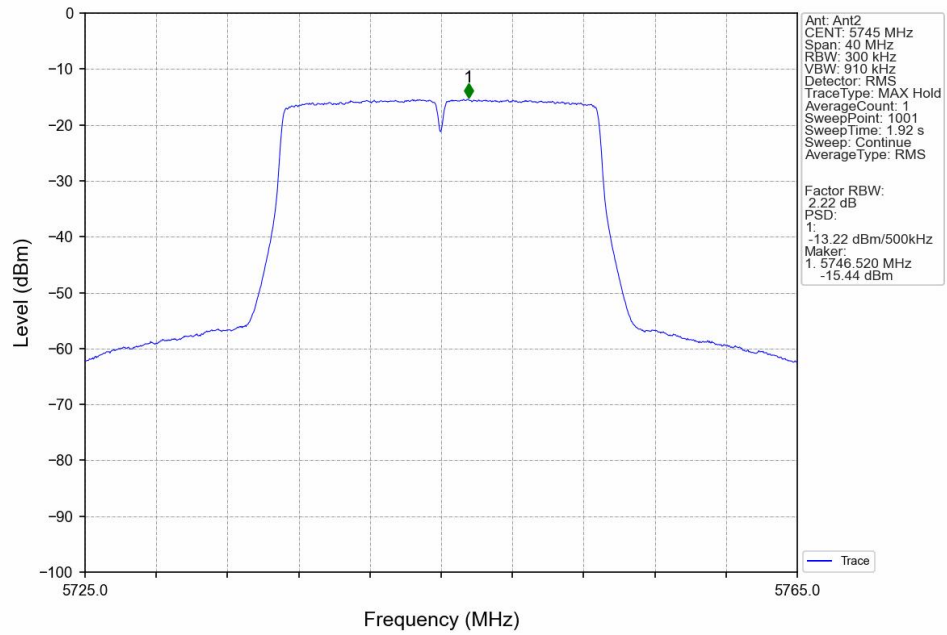
802.11a_HCH_5825MHz_MIMO_NTNV



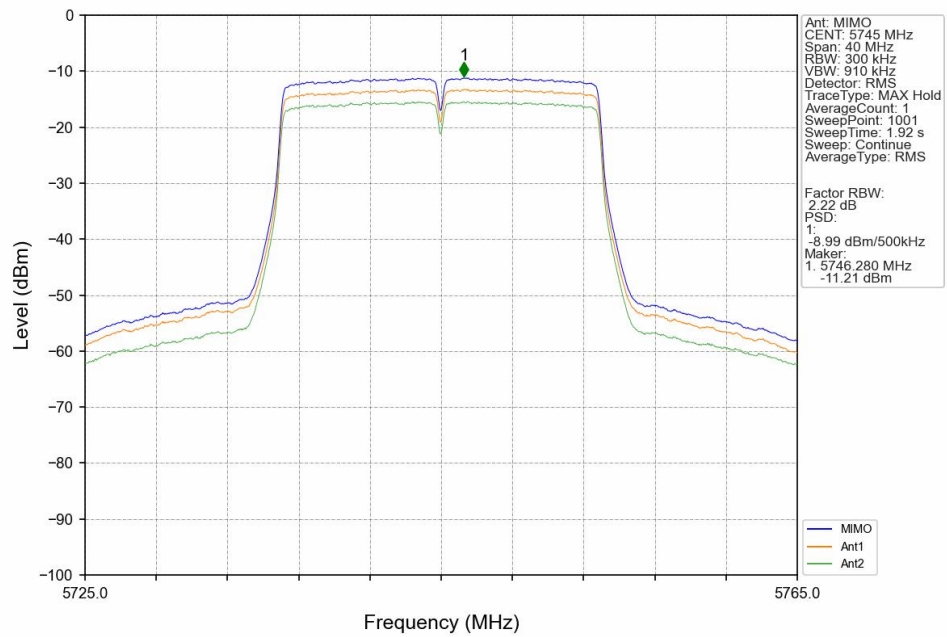
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



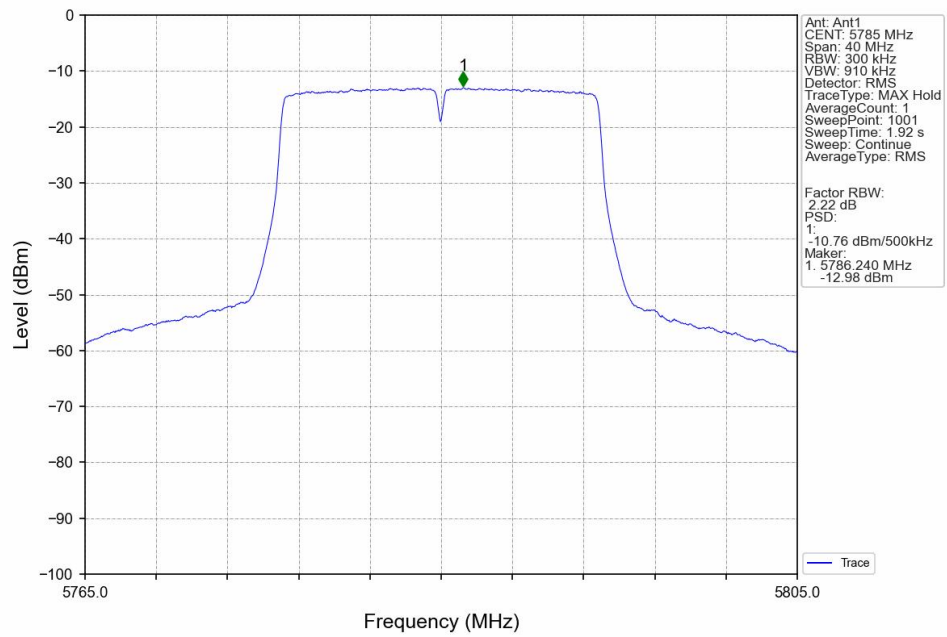
802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



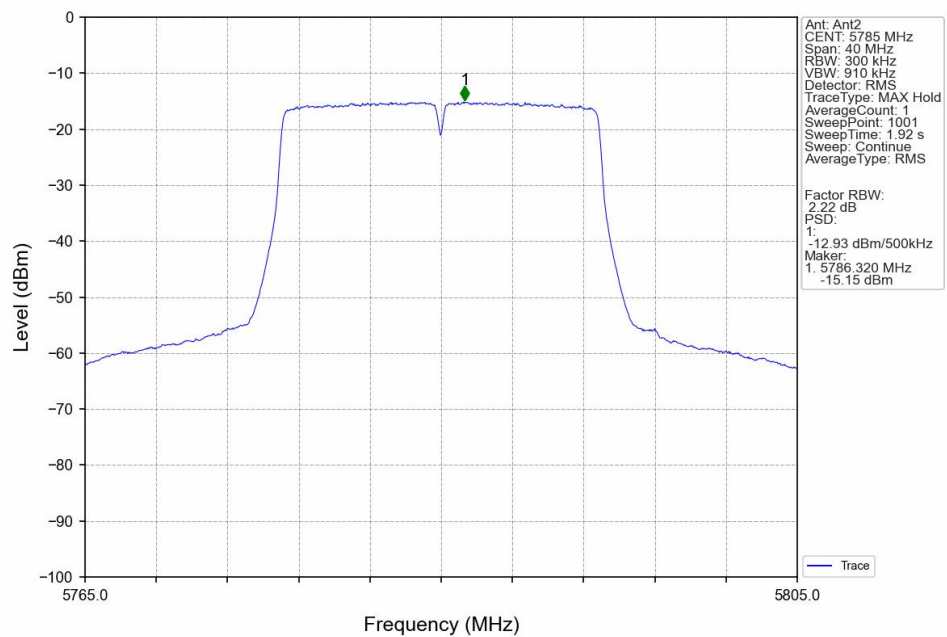
802.11n(HT20)_LCH_5745MHz_MIMO_NTNV



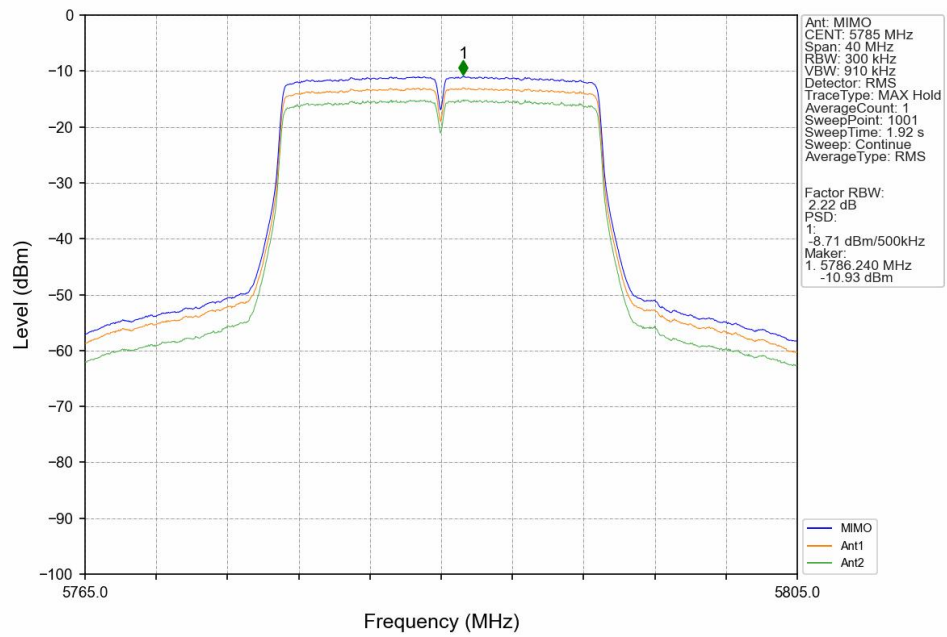
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



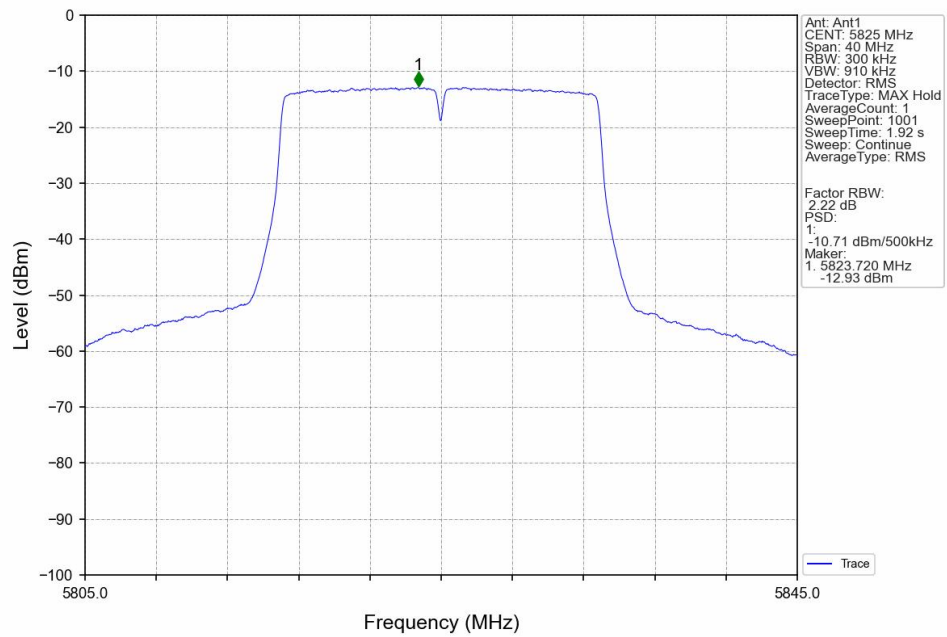
802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



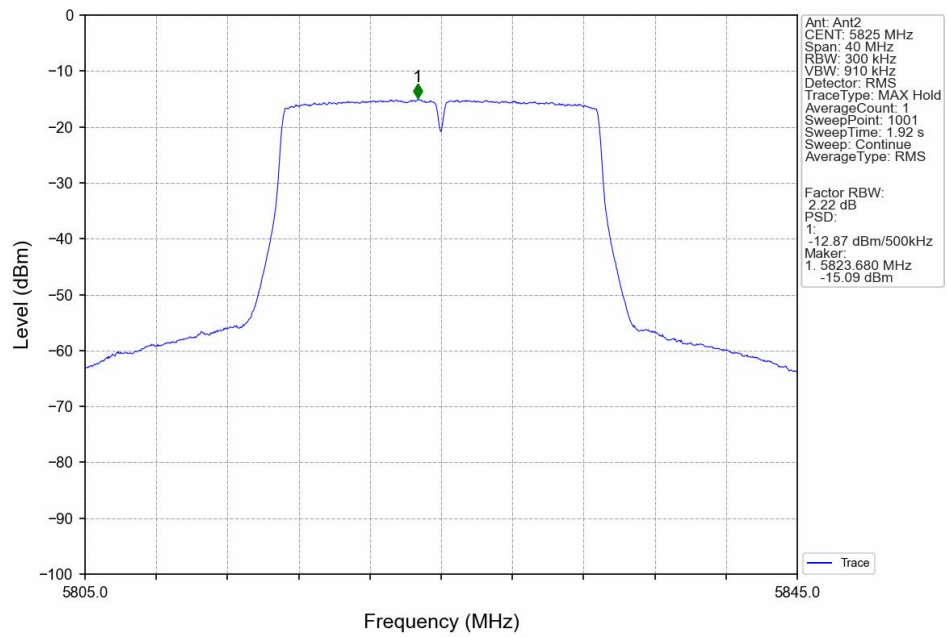
802.11n(HT20)_MCH_5785MHz_MIMO_NTNV



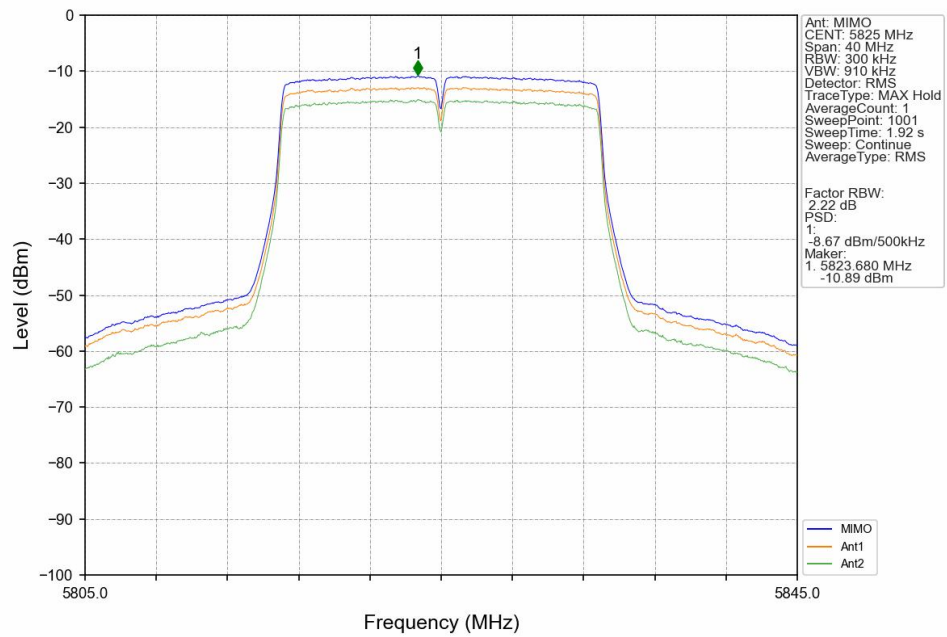
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



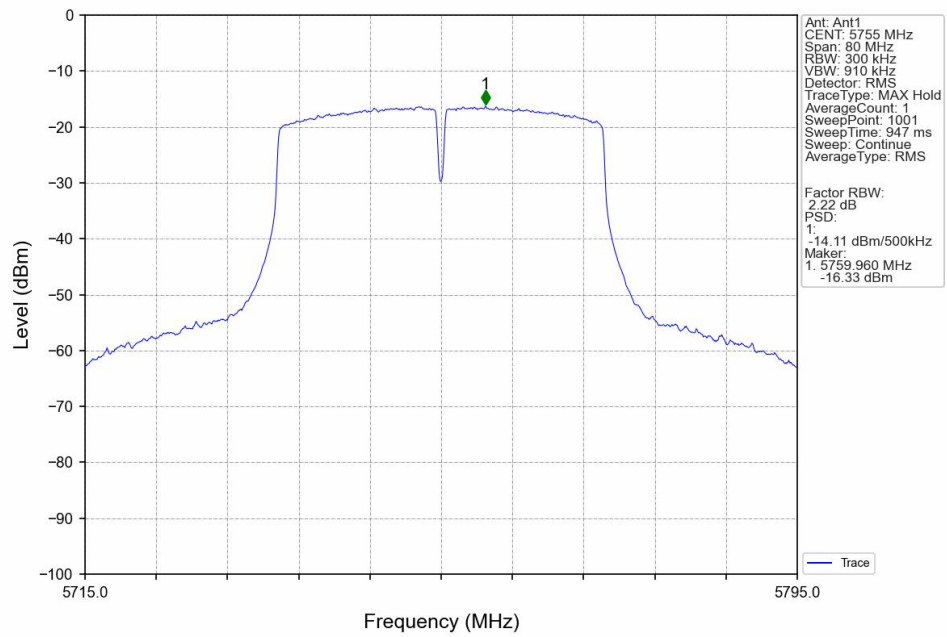
802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



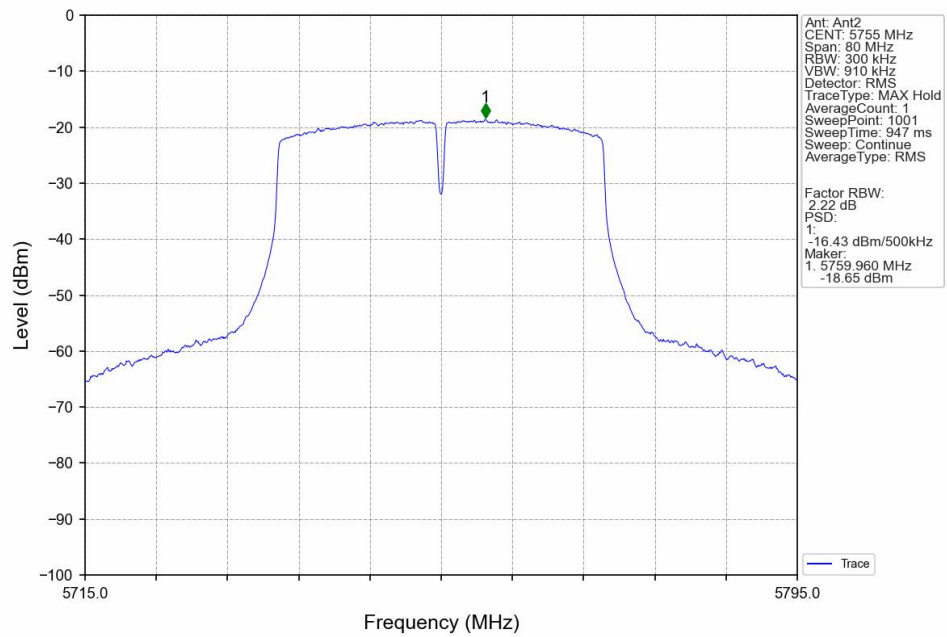
802.11n(HT20)_HCH_5825MHz_MIMO_NTNV



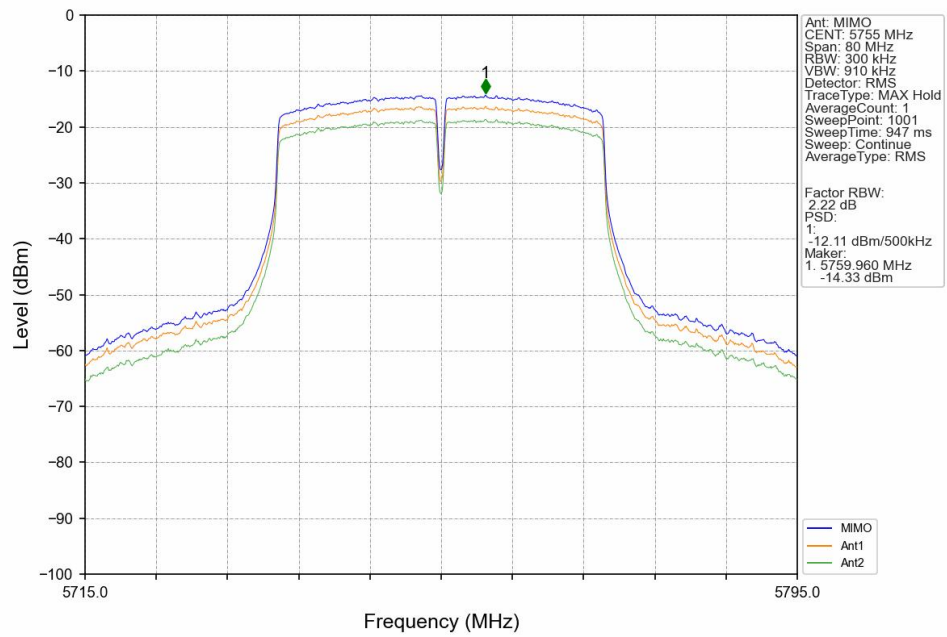
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



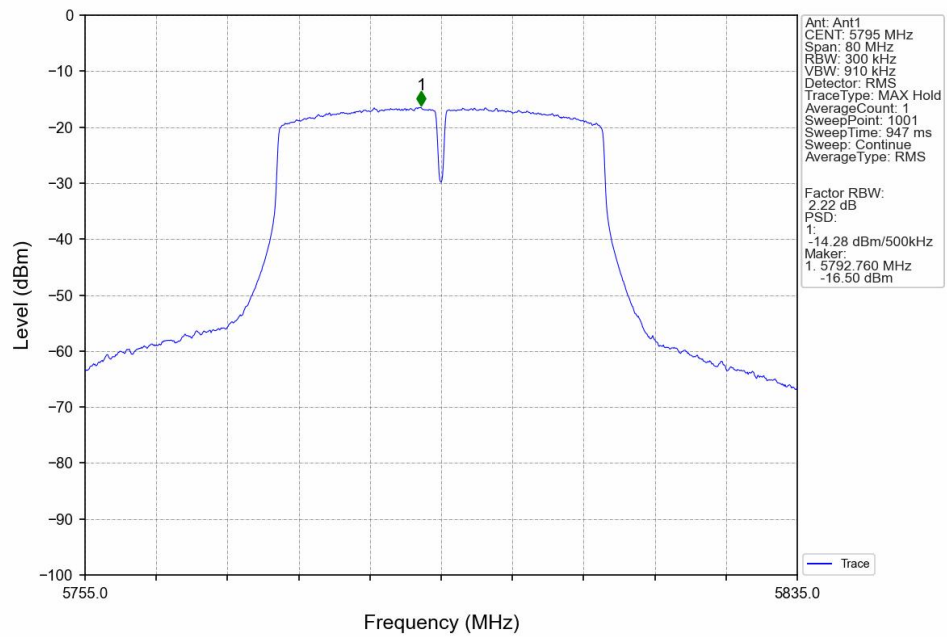
802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



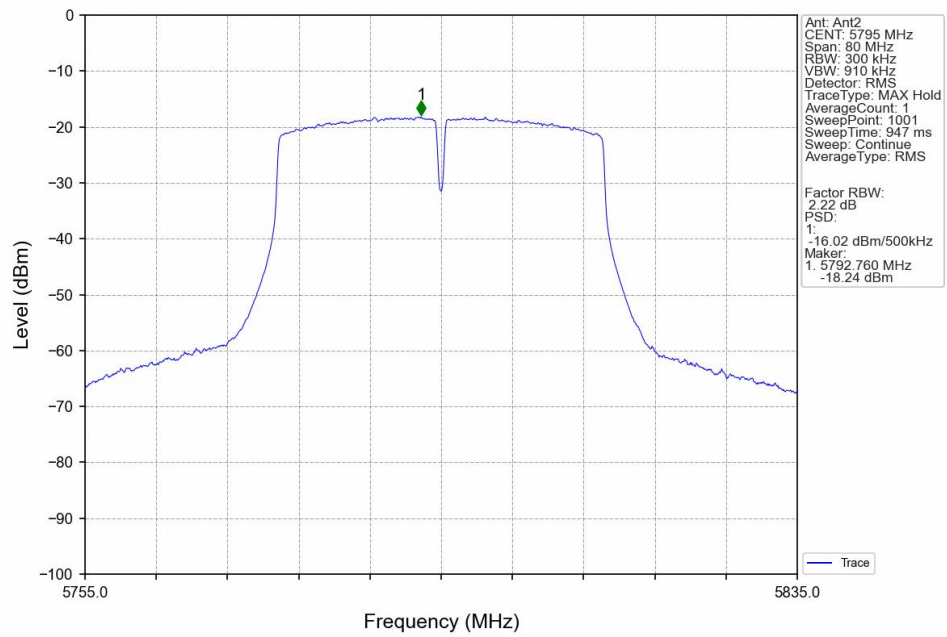
802.11n(HT40)_LCH_5755MHz_MIMO_NTNV



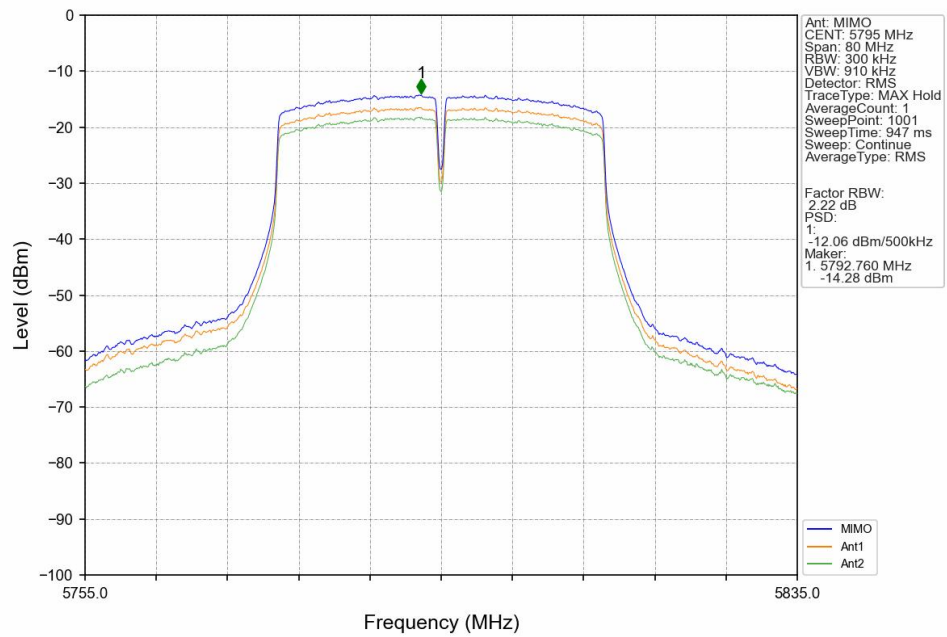
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



802.11n(HT40) HCH_5795MHz_Ant2_NTNV



802.11n(HT40) HCH_5795MHz_MIMO_NTNV



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	MIMO	5745	20	102	5744.980	5725 to 5850	Pass
				120	5744.940	5725 to 5850	Pass
				138	5745.040	5725 to 5850	Pass
			-30	120	5744.960	5725 to 5850	Pass
			-20	120	5745.020	5725 to 5850	Pass
			-10	120	5745.000	5725 to 5850	Pass
			0	120	5744.960	5725 to 5850	Pass
			10	120	5745.040	5725 to 5850	Pass
			30	120	5745.020	5725 to 5850	Pass
			40	120	5745.020	5725 to 5850	Pass
			50	120	5745.020	5725 to 5850	Pass
		5785	20	102	5785.000	5725 to 5850	Pass
				120	5784.940	5725 to 5850	Pass
				138	5785.040	5725 to 5850	Pass
			-30	120	5785.020	5725 to 5850	Pass
			-20	120	5785.000	5725 to 5850	Pass
			-10	120	5784.980	5725 to 5850	Pass
			0	120	5785.020	5725 to 5850	Pass
			10	120	5784.980	5725 to 5850	Pass
			30	120	5785.020	5725 to 5850	Pass
			40	120	5785.000	5725 to 5850	Pass
			50	120	5784.980	5725 to 5850	Pass
		5825	20	102	5824.960	5725 to 5850	Pass
				120	5824.940	5725 to 5850	Pass
				138	5824.960	5725 to 5850	Pass
			-30	120	5825.000	5725 to 5850	Pass
			-20	120	5825.020	5725 to 5850	Pass
			-10	120	5824.980	5725 to 5850	Pass
			0	120	5824.960	5725 to 5850	Pass
			10	120	5824.980	5725 to 5850	Pass
			30	120	5825.000	5725 to 5850	Pass
			40	120	5824.980	5725 to 5850	Pass
			50	120	5824.960	5725 to 5850	Pass
802.11n (HT20)	MIMO	5745	20	102	5744.980	5725 to 5850	Pass
				120	5745.020	5725 to 5850	Pass
				138	5744.960	5725 to 5850	Pass
			-30	120	5744.980	5725 to 5850	Pass
			-20	120	5744.980	5725 to 5850	Pass
			-10	120	5745.000	5725 to 5850	Pass
			0	120	5744.980	5725 to 5850	Pass
			10	120	5745.000	5725 to 5850	Pass
			30	120	5744.980	5725 to 5850	Pass
			40	120	5744.980	5725 to 5850	Pass
			50	120	5745.000	5725 to 5850	Pass
		5785	20	102	5784.960	5725 to 5850	Pass
				120	5784.980	5725 to 5850	Pass

				138	5785.000	5725 to 5850	Pass
			-30	120	5784.980	5725 to 5850	Pass
			-20	120	5784.980	5725 to 5850	Pass
			-10	120	5784.980	5725 to 5850	Pass
			0	120	5784.980	5725 to 5850	Pass
			10	120	5785.000	5725 to 5850	Pass
			30	120	5784.960	5725 to 5850	Pass
			40	120	5784.980	5725 to 5850	Pass
			50	120	5784.960	5725 to 5850	Pass
		5825	20	102	5824.940	5725 to 5850	Pass
				120	5824.960	5725 to 5850	Pass
				138	5824.980	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	5824.940	5725 to 5850	Pass
			10	120	5824.980	5725 to 5850	Pass
			30	120	5824.980	5725 to 5850	Pass
			40	120	5824.960	5725 to 5850	Pass
			50	120	5825.000	5725 to 5850	Pass
802.11n (HT40)	MIMO	5755	20	102	5755.000	5725 to 5850	Pass
				120	5755.000	5725 to 5850	Pass
				138	5755.080	5725 to 5850	Pass
			-30	120	5755.000	5725 to 5850	Pass
			-20	120	5755.000	5725 to 5850	Pass
			-10	120	5755.080	5725 to 5850	Pass
			0	120	5755.000	5725 to 5850	Pass
			10	120	5755.080	5725 to 5850	Pass
			30	120	5755.040	5725 to 5850	Pass
			40	120	5755.040	5725 to 5850	Pass
			50	120	5755.080	5725 to 5850	Pass
		5795	20	102	5795.080	5725 to 5850	Pass
				120	5794.960	5725 to 5850	Pass
				138	5795.000	5725 to 5850	Pass
			-30	120	5795.000	5725 to 5850	Pass
			-20	120	5795.000	5725 to 5850	Pass
			-10	120	5795.080	5725 to 5850	Pass
			0	120	5795.000	5725 to 5850	Pass
			10	120	5795.000	5725 to 5850	Pass
			30	120	5795.040	5725 to 5850	Pass
			40	120	5795.000	5725 to 5850	Pass
			50	120	5795.000	5725 to 5850	Pass

6. Form731

6.1 Test Result

6.1.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
5745	5825	0.0046	6.62
5755	5795	0.0043	6.38