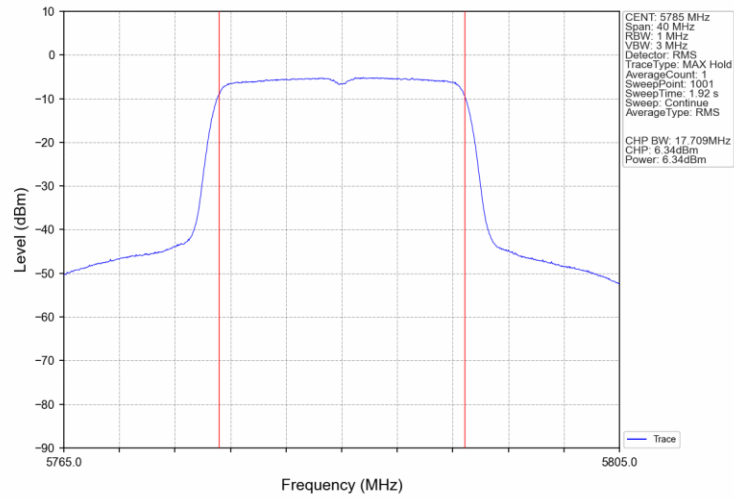
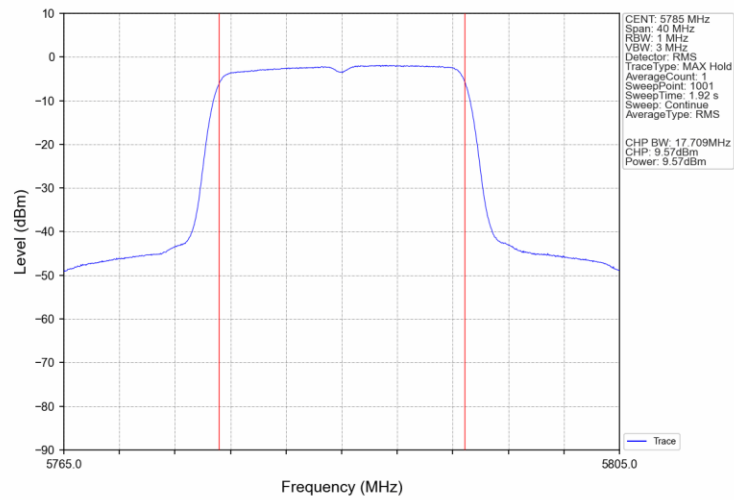


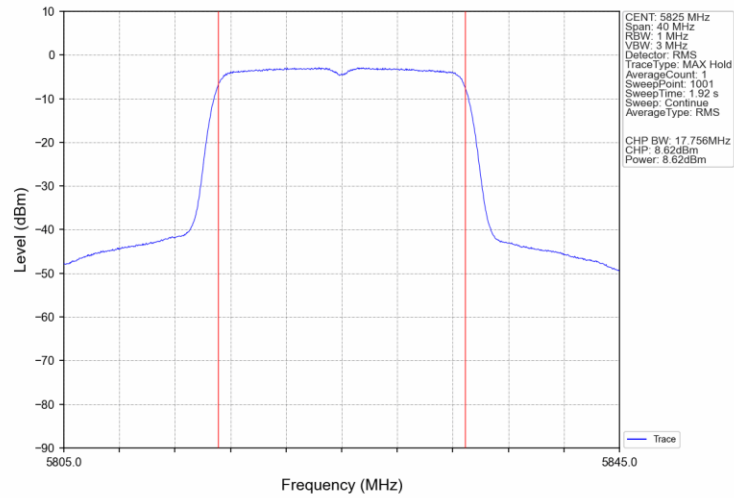
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



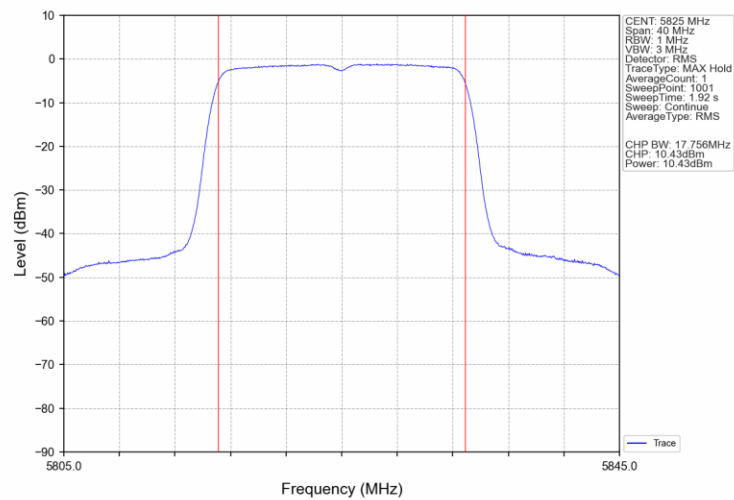
802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



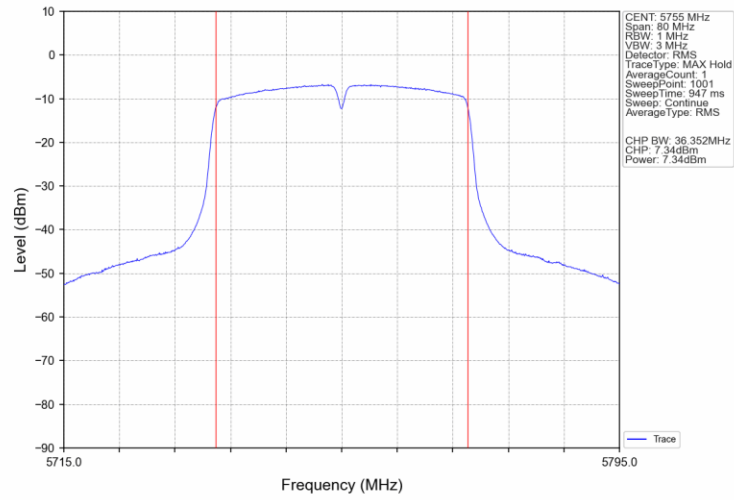
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



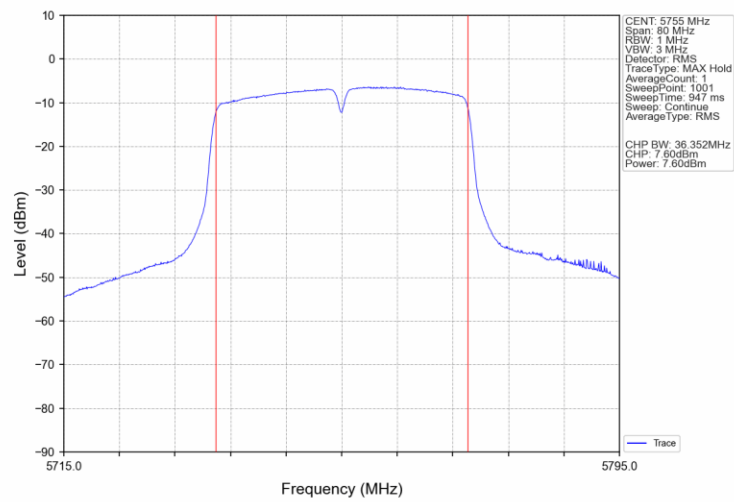
802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



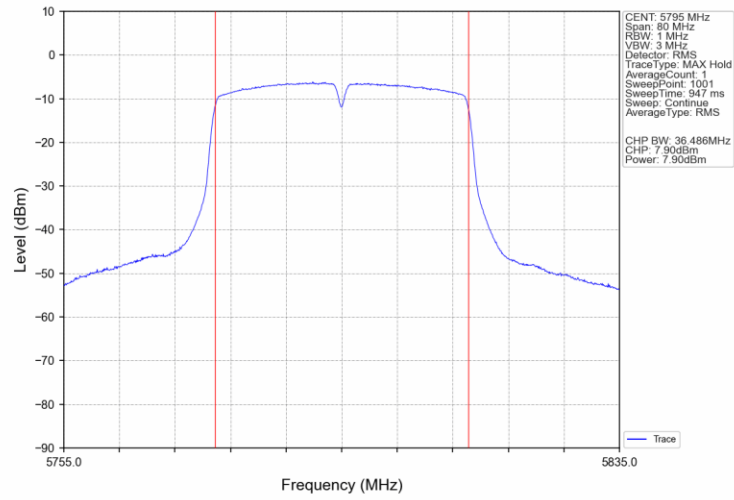
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



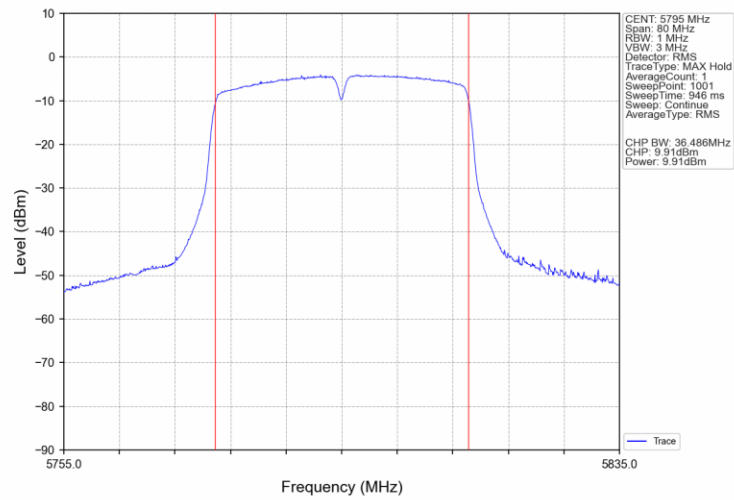
802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



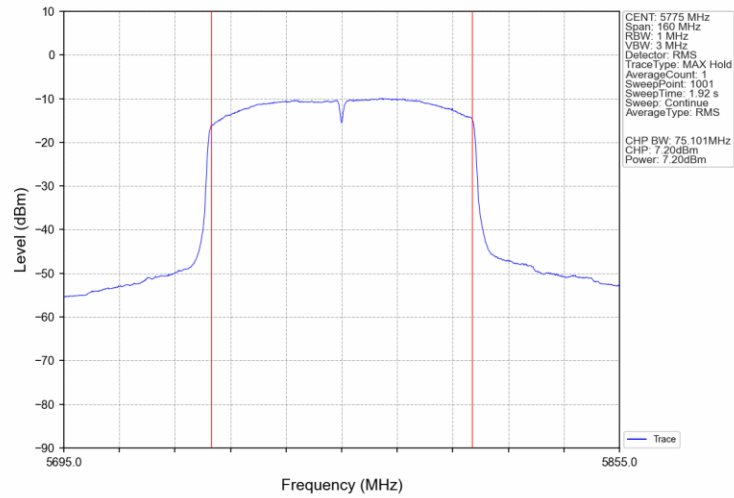
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



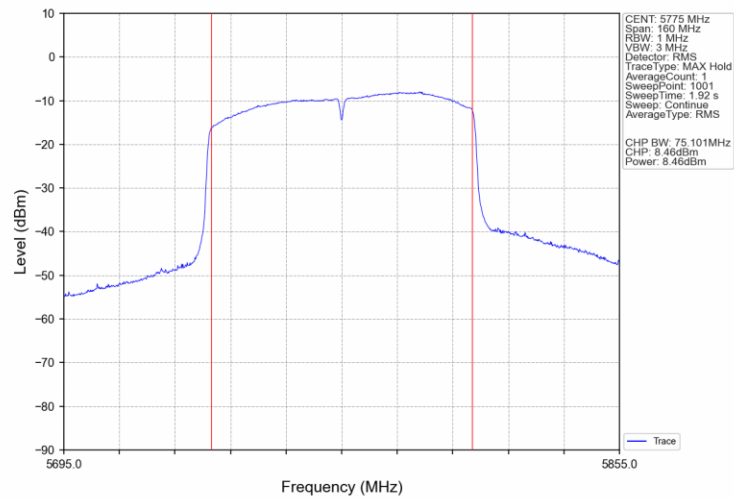
802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



4. Maximum Power Spectral Density

4.1 Test Result

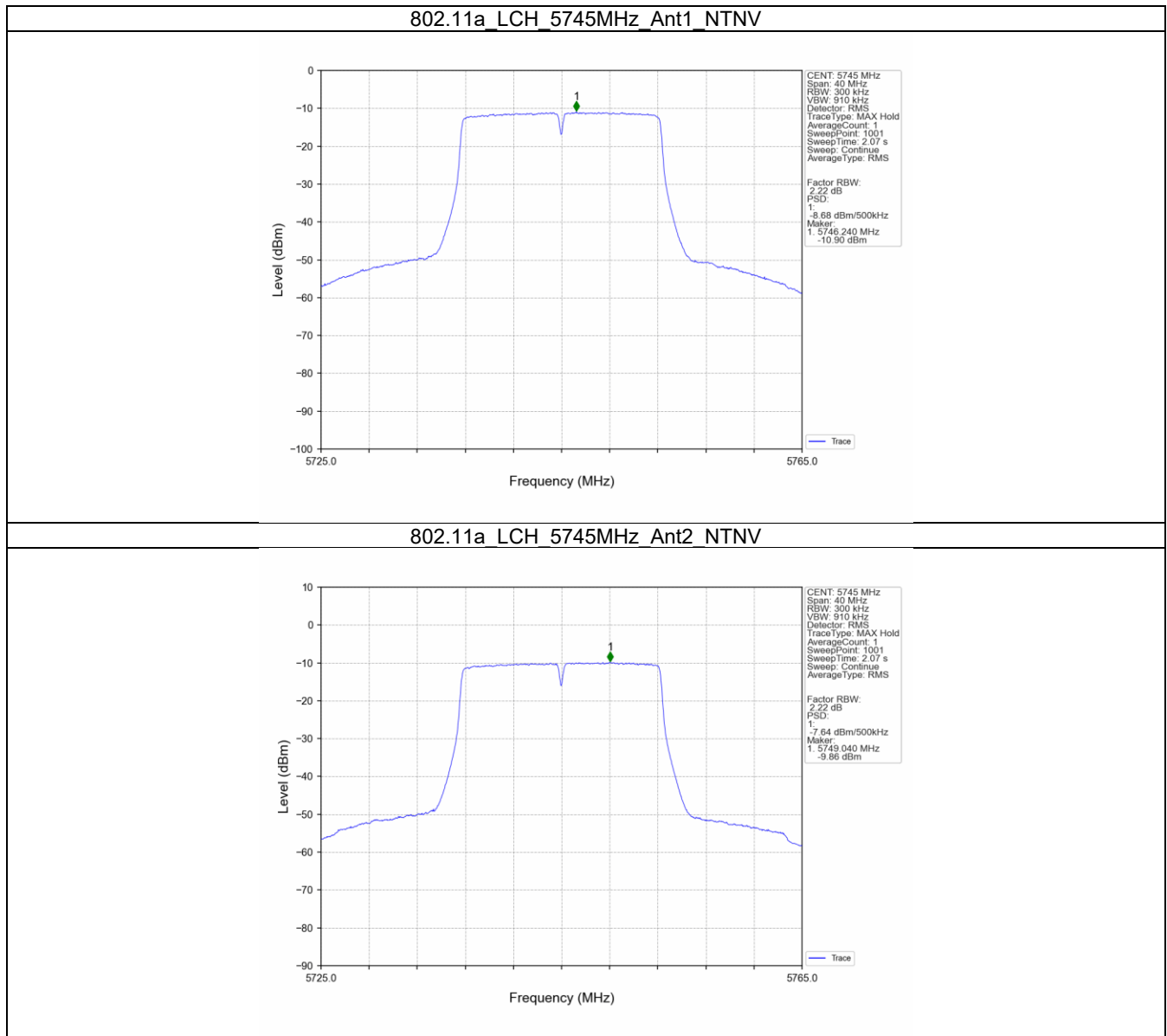
4.1.1 PSD-Band3

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5745	-8.68	-7.64	/	<=30	Pass
		5785	-7.83	-4.64	/	<=30	Pass
		5825	-8.17	-3.98	/	<=30	Pass
802.11n (HT20)	MIMO	5745	-8.72	-7.81	-5.30	<=29.11	Pass
		5785	-7.90	-5.03	-3.34	<=29.11	Pass
		5825	-8.19	-4.10	-2.75	<=29.11	Pass
802.11n (HT40)	MIMO	5755	-11.31	-9.42	-7.37	<=29.11	Pass
		5795	-10.68	-6.92	-5.50	<=29.11	Pass
802.11ac (VHT20)	MIMO	5745	-9.03	-7.38	-5.21	<=29.11	Pass
		5785	-8.14	-4.82	-3.16	<=29.11	Pass
		5825	-6.35	-4.04	-2.09	<=29.11	Pass
802.11ac (VHT40)	MIMO	5755	-9.73	-9.28	-6.68	<=29.11	Pass
		5795	-9.00	-7.05	-5.22	<=29.11	Pass
802.11ac (VHT80)	MIMO	5775	-12.65	-10.74	-8.78	<=29.11	Pass

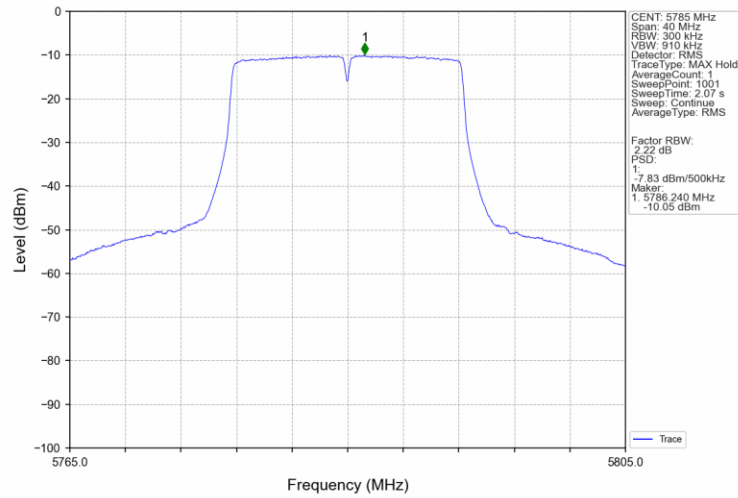
Note1: Antenna Gain: Ant1: 3.88dBi; Ant2: 3.88dBi; Directional gain : 6.89dBi
Note2: Directional Gain: $Directional\ gain = G_{ANT} + 10 \log(N_{ANT}/N_{SS})\ dBi$, where N_{SS} = the number of independent spatial streams of data and G_{ANT} is the antenna gain in dBi. For this devices $N_{SS} = 1$.
Note2: PSD Limit = 30 dBm - (6.89 dBi - 6.00 dBi) = 29.11 dBm

4.2 Test Graph

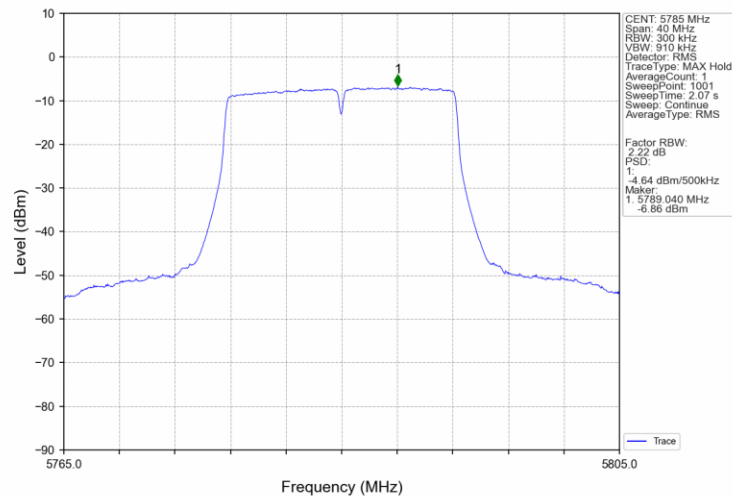
4.2.1 PSD-Band3



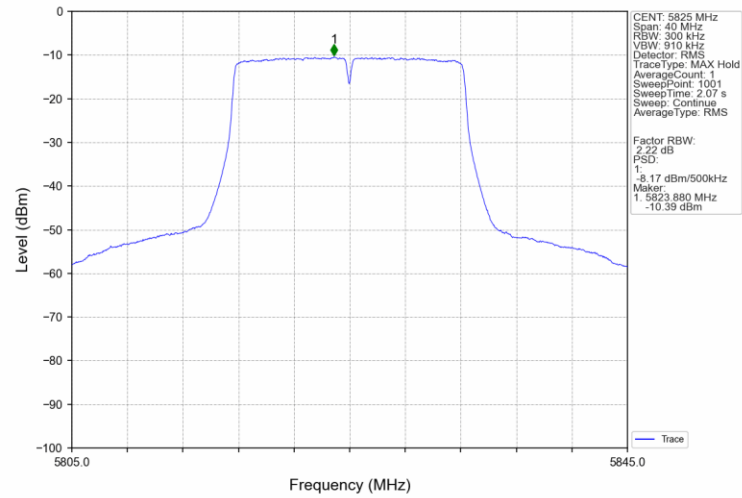
802.11a_MCH_5785MHz_Ant1_NTNV



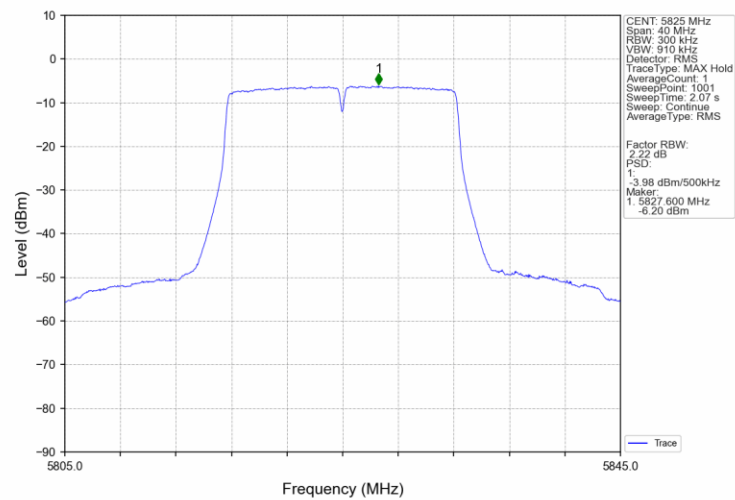
802.11a_MCH_5785MHz_Ant2_NTNV



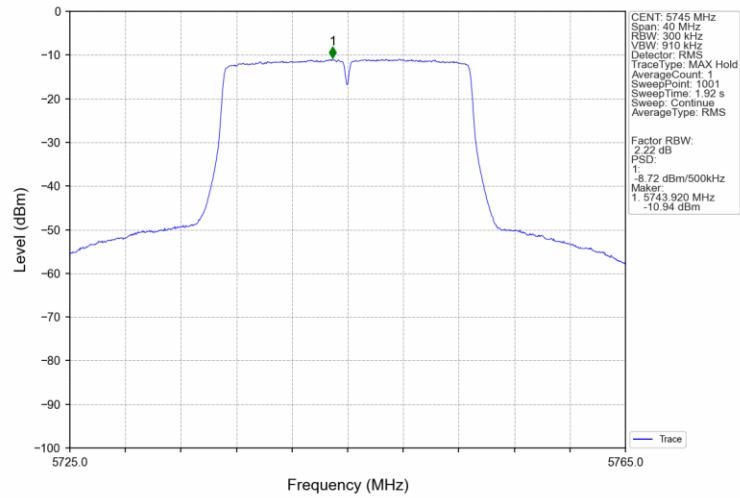
802.11a_HCH_5825MHz_Ant1_NTNV



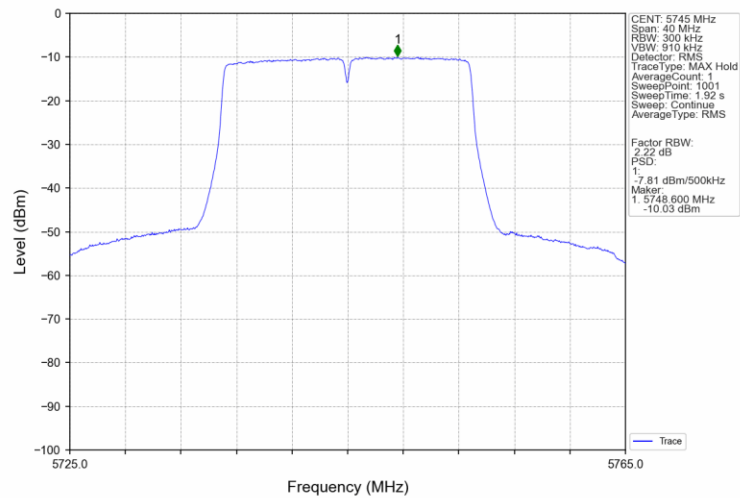
802.11a_HCH_5825MHz_Ant2_NTNV



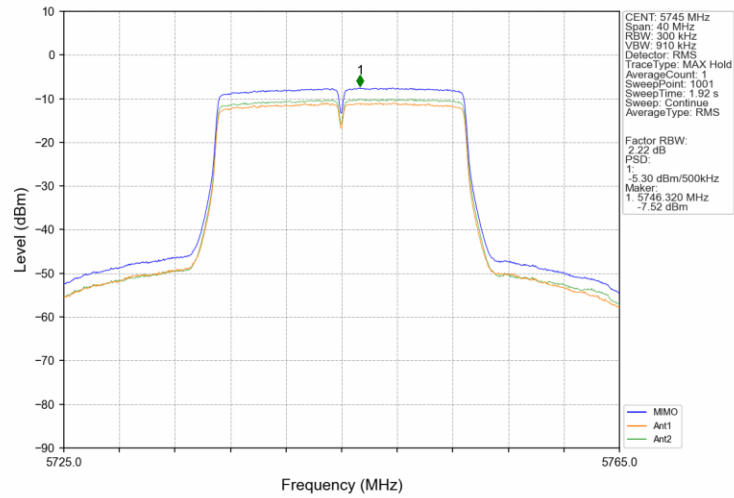
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



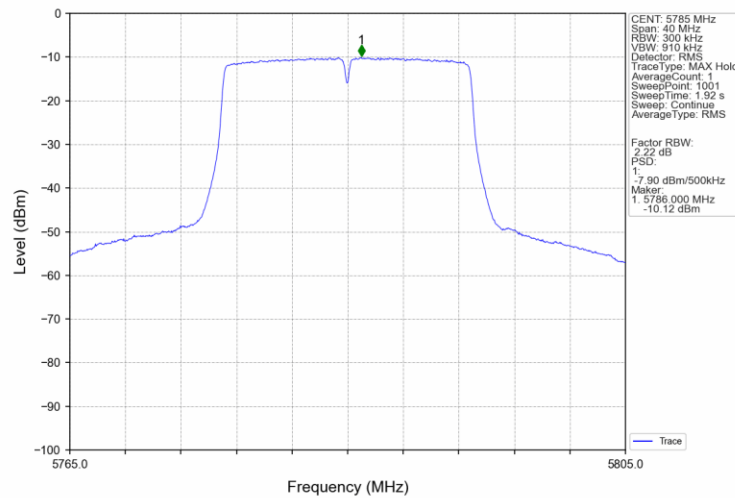
802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



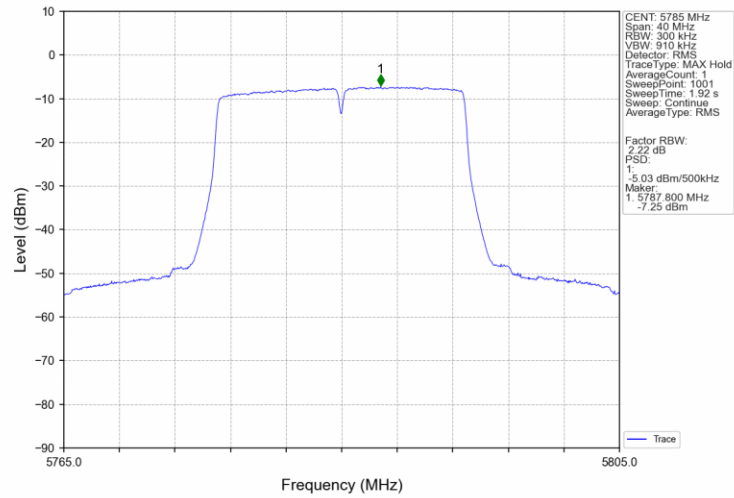
802.11n(HT20)_LCH_5745MHz_MIMO_NTNV



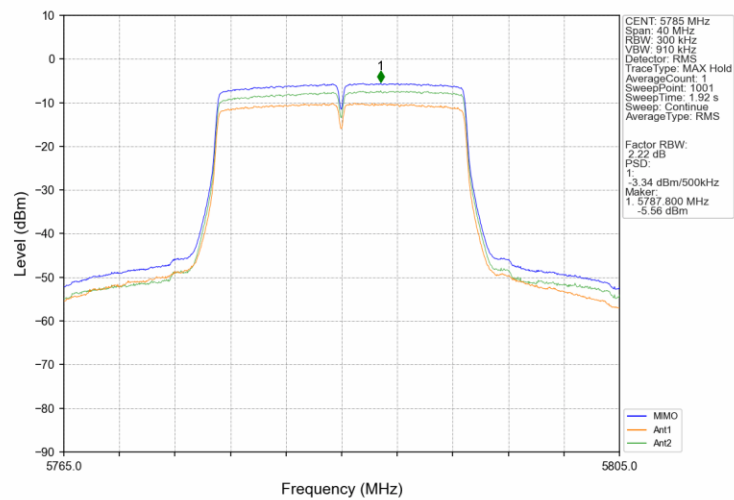
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



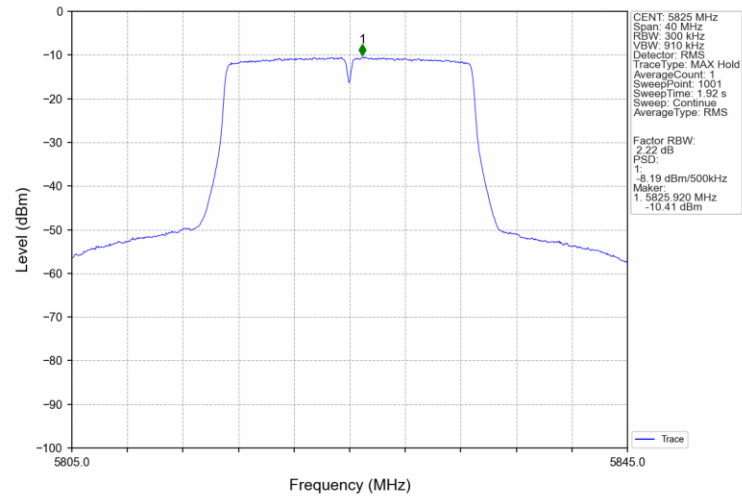
802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



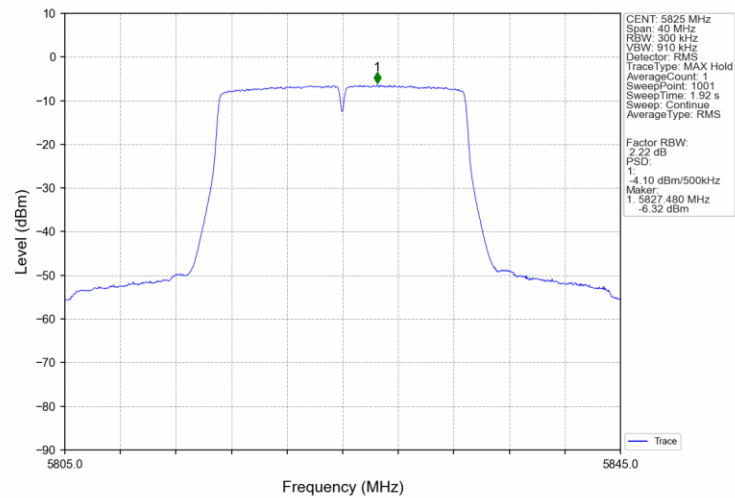
802.11n(HT20)_MCH_5785MHz MIMO NTN



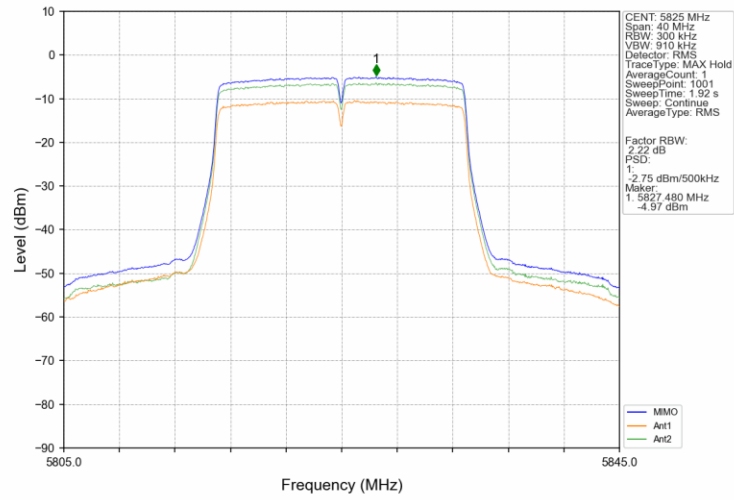
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



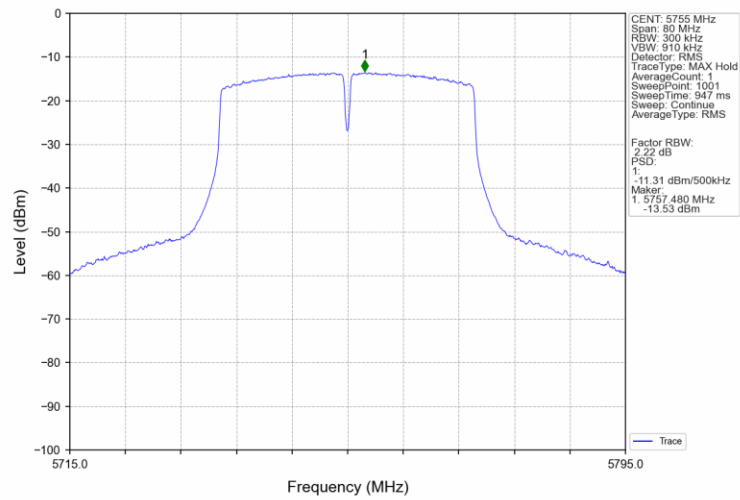
802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



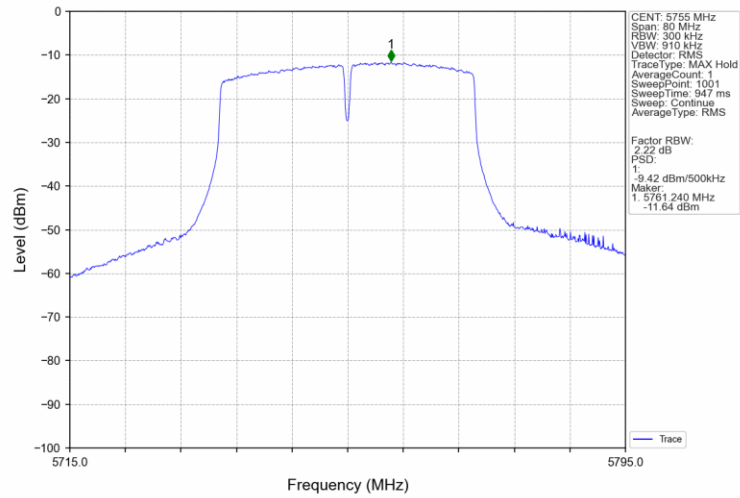
802.11n(HT20)_HCH_5825MHz_MIMO_NTNV



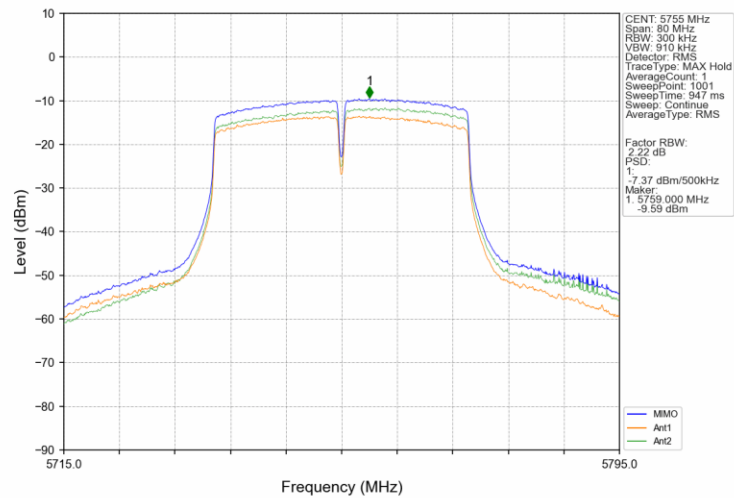
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



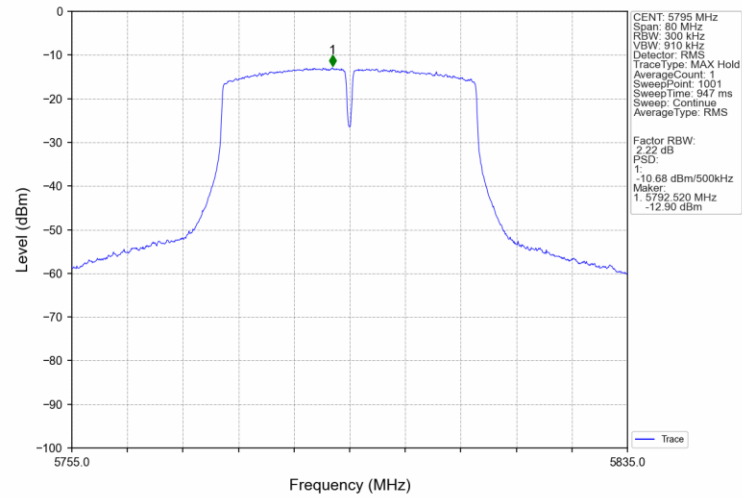
802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



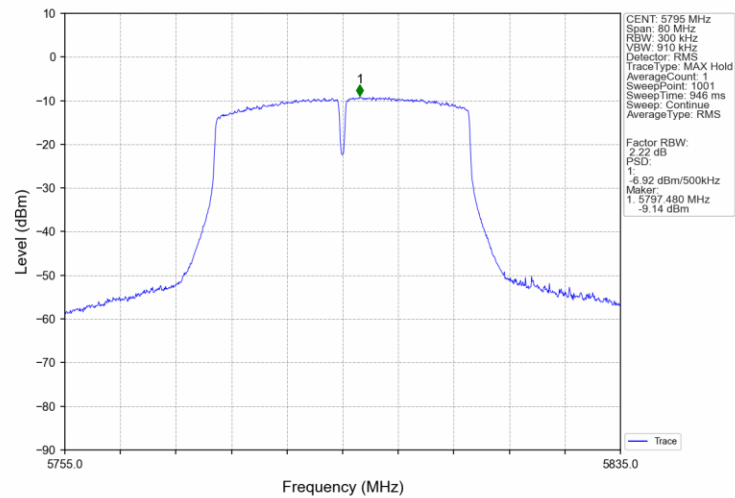
802.11n(HT40)_LCH_5755MHz_MIMO_NTNV



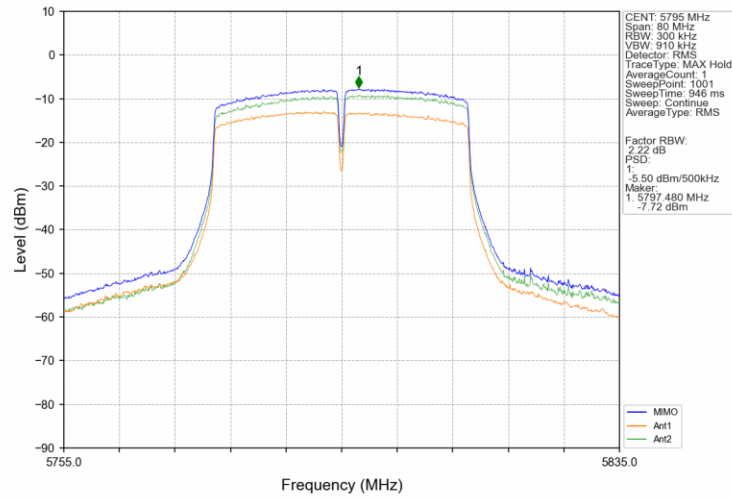
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



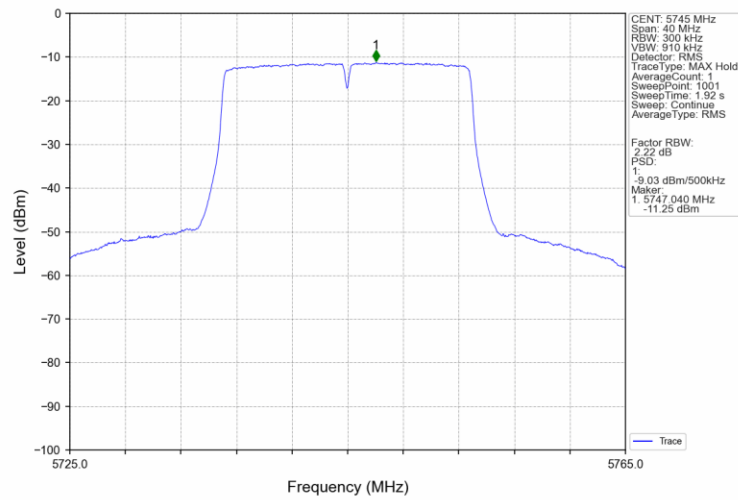
802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



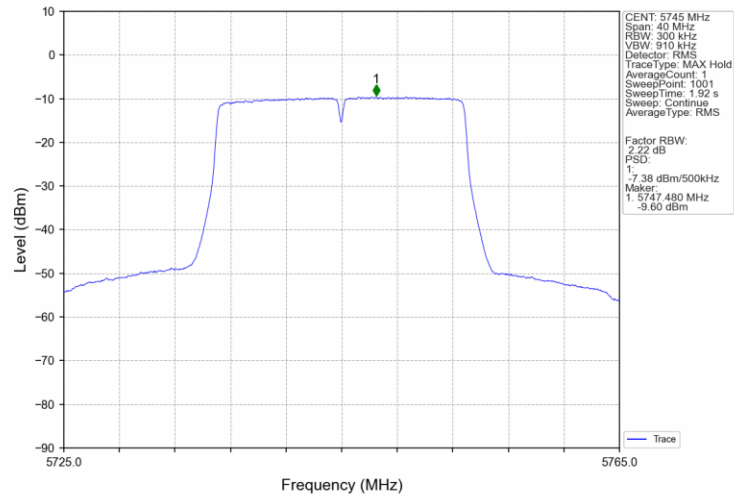
802.11n(HT40)_HCH_5795MHz_MIMO_NTNV



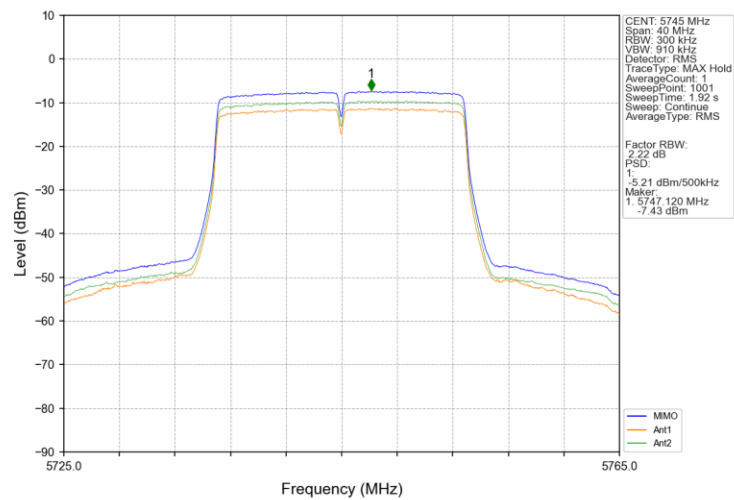
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



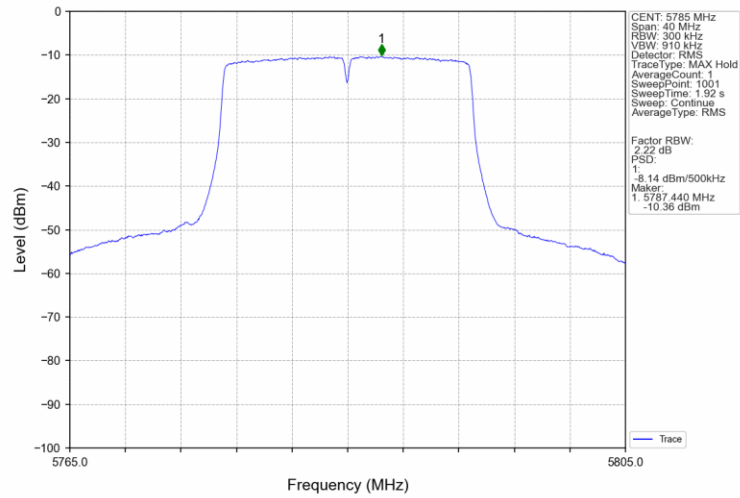
802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV



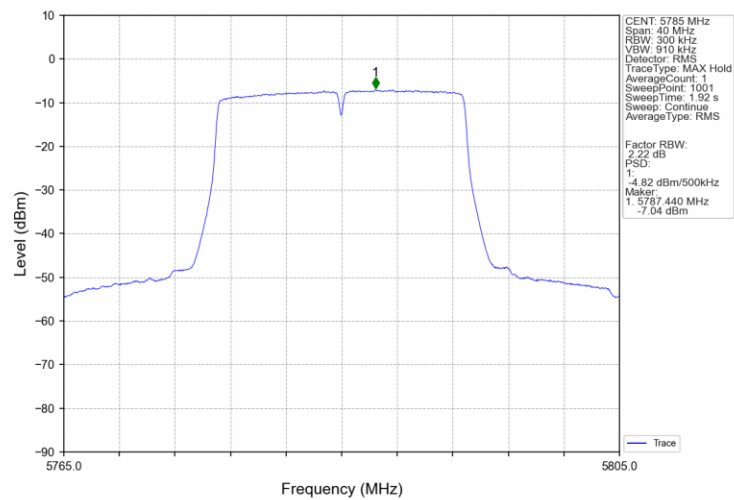
802.11ac(VHT20)_LCH_5745MHz_MIMO_NTNV



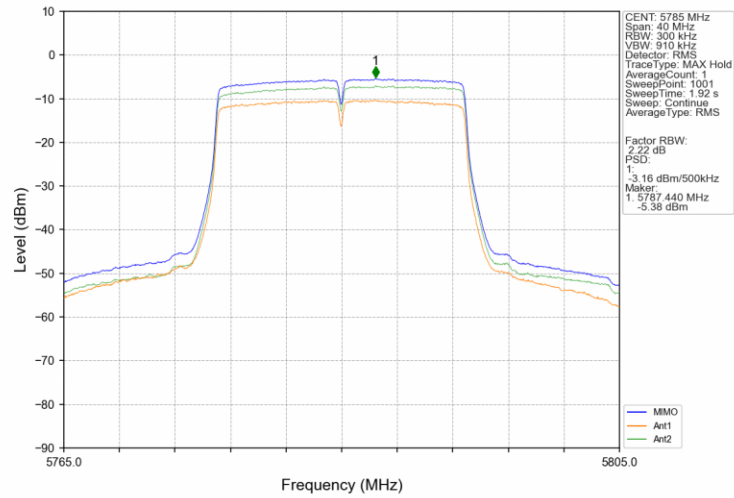
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



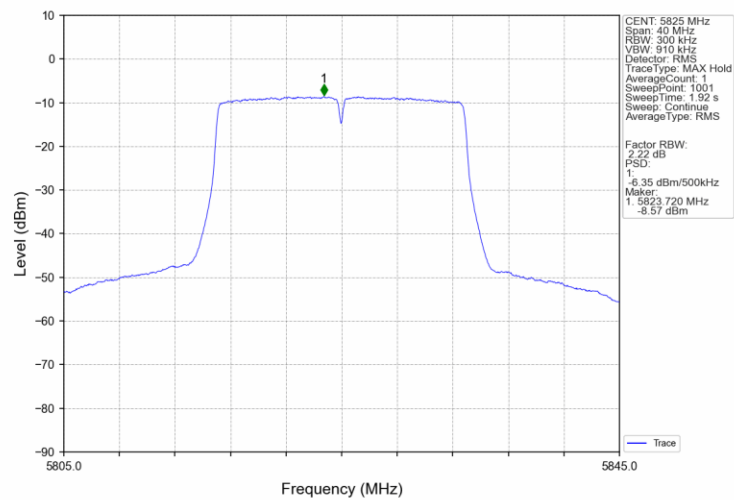
802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



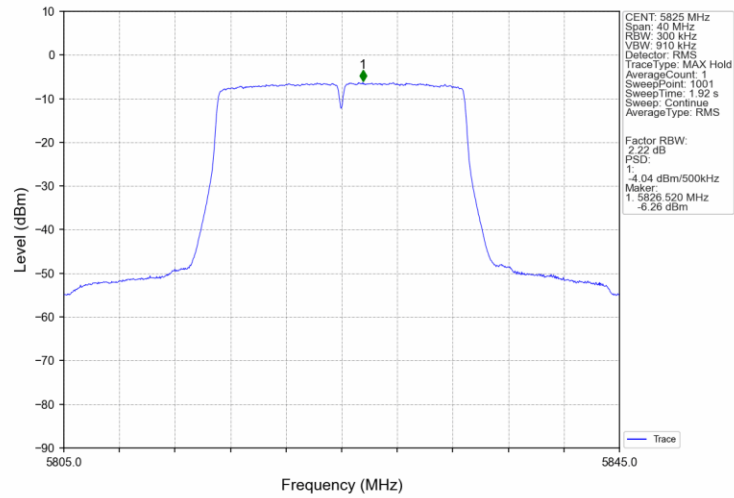
802.11ac(VHT20)_MCH_5785MHz_MIMO_NTNV



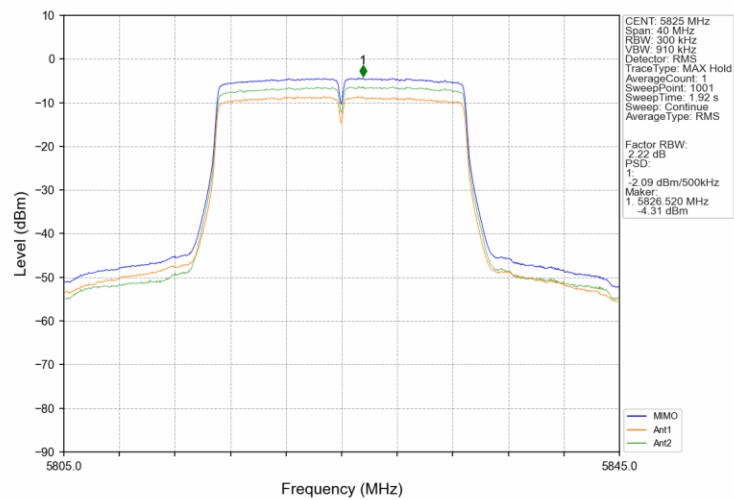
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



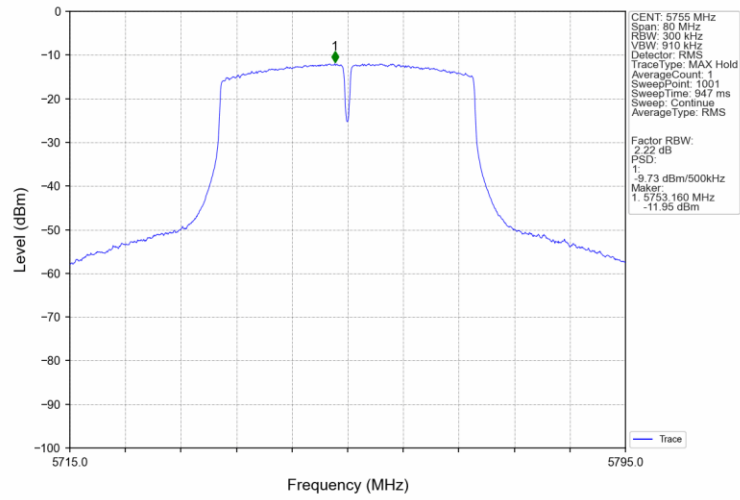
802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



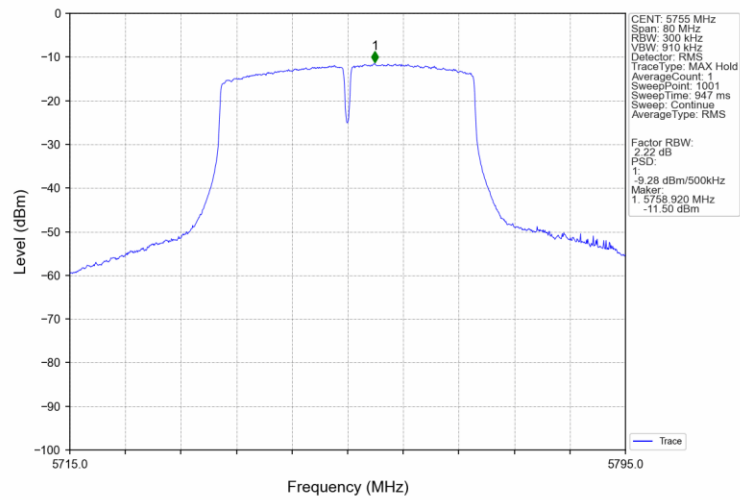
802.11ac(VHT20)_HCH_5825MHz_MIMO_NTNV



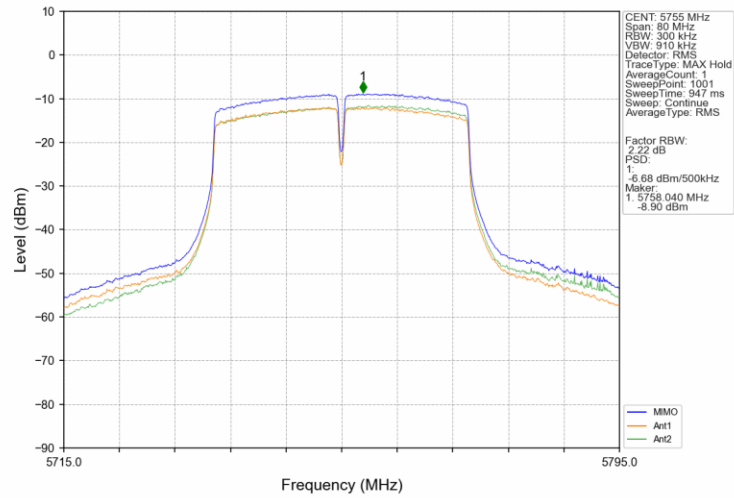
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



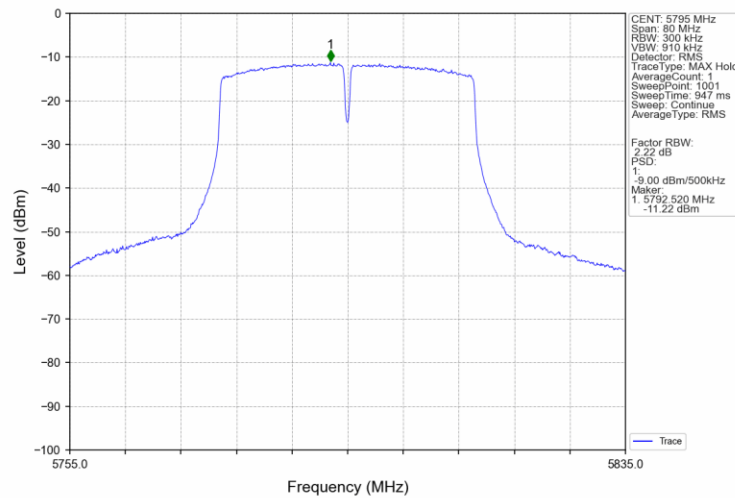
802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



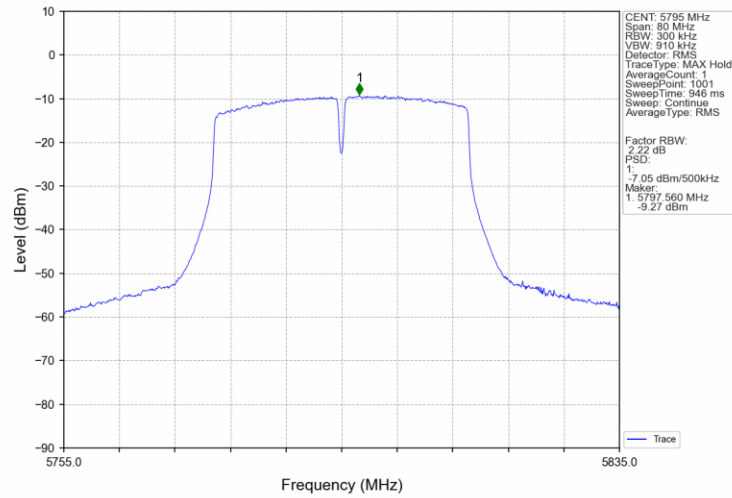
802.11ac(VHT40)_LCH_5755MHz_MIMO_NTNV



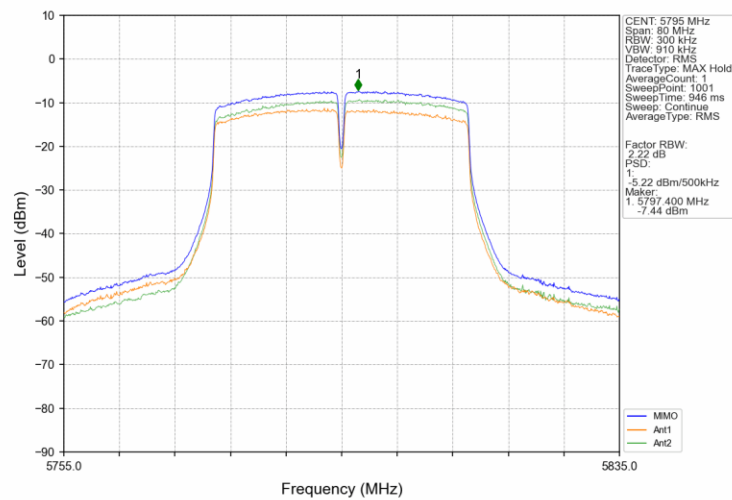
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



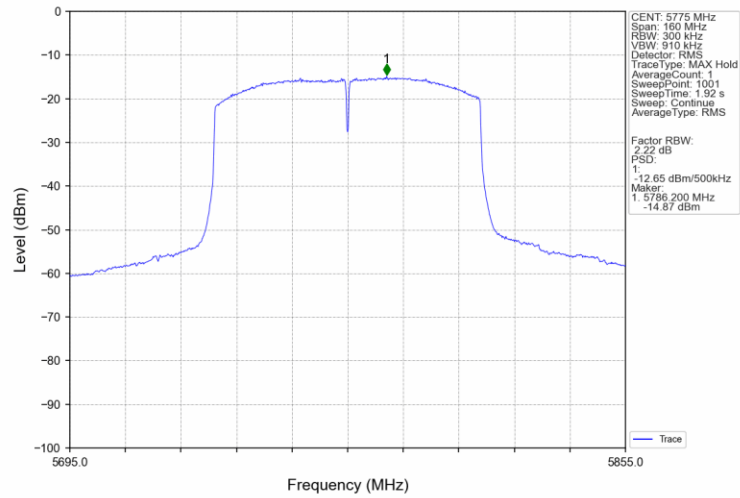
802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



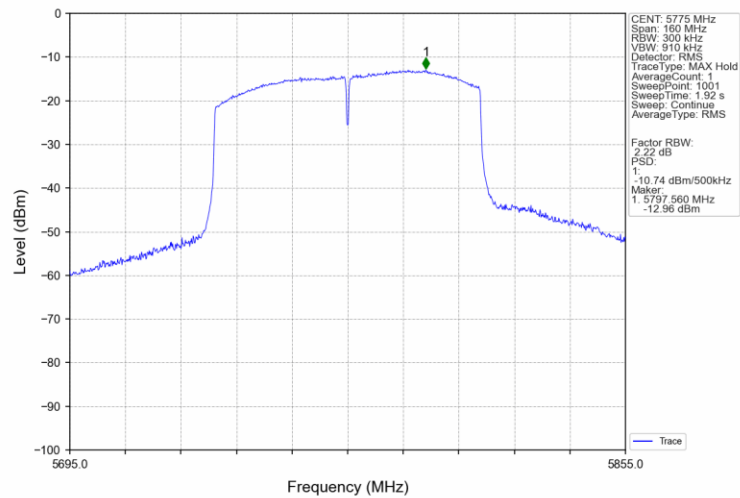
802.11ac(VHT40)_HCH_5795MHz_MIMO_NTNV



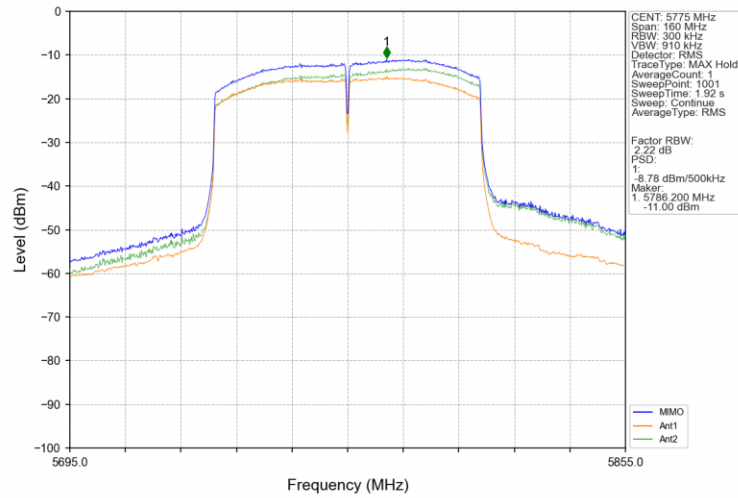
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5775MHz_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
Carrier Wave	SISO	5745	20	102	5744.991	5725 to 5850	Pass
				120	5744.991	5725 to 5850	Pass
				138	5744.991	5725 to 5850	Pass
			-30	120	5744.991	5725 to 5850	Pass
			-20	120	5744.990	5725 to 5850	Pass
			-10	120	5744.990	5725 to 5850	Pass
			0	120	5744.990	5725 to 5850	Pass
			10	120	5744.990	5725 to 5850	Pass
			30	120	5744.990	5725 to 5850	Pass
			40	120	5744.990	5725 to 5850	Pass
			50	120	5744.990	5725 to 5850	Pass
		5785	20	102	5784.989	5725 to 5850	Pass
				120	5784.989	5725 to 5850	Pass
				138	5784.989	5725 to 5850	Pass
			-30	120	5784.989	5725 to 5850	Pass
			-20	120	5784.989	5725 to 5850	Pass
			-10	120	5784.989	5725 to 5850	Pass
			0	120	5784.989	5725 to 5850	Pass
			10	120	5784.989	5725 to 5850	Pass
			30	120	5784.989	5725 to 5850	Pass
			40	120	5784.989	5725 to 5850	Pass
			50	120	5784.989	5725 to 5850	Pass
		5825	20	102	5824.988	5725 to 5850	Pass
				120	5824.988	5725 to 5850	Pass
				138	5824.988	5725 to 5850	Pass
			-30	120	5824.988	5725 to 5850	Pass
			-20	120	5824.988	5725 to 5850	Pass
			-10	120	5824.988	5725 to 5850	Pass
			0	120	5824.988	5725 to 5850	Pass
			10	120	5824.988	5725 to 5850	Pass
			30	120	5824.988	5725 to 5850	Pass
			40	120	5824.988	5725 to 5850	Pass
			50	120	5824.988	5725 to 5850	Pass
	MIMO	5755	20	102	5754.987	5725 to 5850	Pass
				120	5754.987	5725 to 5850	Pass
				138	5754.987	5725 to 5850	Pass
			-30	120	5754.987	5725 to 5850	Pass
			-20	120	5754.986	5725 to 5850	Pass
			-10	120	5754.986	5725 to 5850	Pass
			0	120	5754.986	5725 to 5850	Pass
			10	120	5754.986	5725 to 5850	Pass
			30	120	5754.986	5725 to 5850	Pass
			40	120	5754.986	5725 to 5850	Pass
			50	120	5754.986	5725 to 5850	Pass
		5795	20	102	5794.986	5725 to 5850	Pass
				120	5794.986	5725 to 5850	Pass

				138	5794.986	5725 to 5850	Pass
			-30	120	5794.986	5725 to 5850	Pass
			-20	120	5794.985	5725 to 5850	Pass
			-10	120	5794.985	5725 to 5850	Pass
			0	120	5794.985	5725 to 5850	Pass
			10	120	5794.985	5725 to 5850	Pass
			30	120	5794.985	5725 to 5850	Pass
			40	120	5794.985	5725 to 5850	Pass
			50	120	5794.985	5725 to 5850	Pass
		5775	20	102	5774.985	5725 to 5850	Pass
				120	5774.985	5725 to 5850	Pass
				138	5774.985	5725 to 5850	Pass
			-30	120	5774.985	5725 to 5850	Pass
			-20	120	5774.985	5725 to 5850	Pass
			-10	120	5774.985	5725 to 5850	Pass
			0	120	5774.985	5725 to 5850	Pass
			10	120	5774.985	5725 to 5850	Pass
			30	120	5774.984	5725 to 5850	Pass
			40	120	5774.984	5725 to 5850	Pass
			50	120	5774.984	5725 to 5850	Pass

5.1.2 Ant2

Ant2							
Mode	Tx Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5745	20	102	5744.984	5725 to 5850	Pass
				120	5744.983	5725 to 5850	Pass
				138	5744.983	5725 to 5850	Pass
			-30	120	5744.983	5725 to 5850	Pass
			-20	120	5744.983	5725 to 5850	Pass
			-10	120	5744.983	5725 to 5850	Pass
			0	120	5744.983	5725 to 5850	Pass
			10	120	5744.983	5725 to 5850	Pass
			30	120	5744.983	5725 to 5850	Pass
			40	120	5744.983	5725 to 5850	Pass
			50	120	5744.983	5725 to 5850	Pass
		5785	20	102	5784.983	5725 to 5850	Pass
				120	5784.983	5725 to 5850	Pass
				138	5784.983	5725 to 5850	Pass
			-30	120	5784.983	5725 to 5850	Pass
			-20	120	5784.983	5725 to 5850	Pass
			-10	120	5784.983	5725 to 5850	Pass
			0	120	5784.983	5725 to 5850	Pass
			10	120	5784.983	5725 to 5850	Pass
			30	120	5784.983	5725 to 5850	Pass
			40	120	5784.983	5725 to 5850	Pass
			50	120	5784.983	5725 to 5850	Pass
		5825	20	102	5824.982	5725 to 5850	Pass
				120	5824.982	5725 to 5850	Pass
				138	5824.982	5725 to 5850	Pass
			-30	120	5824.982	5725 to 5850	Pass
			-20	120	5824.982	5725 to 5850	Pass
			-10	120	5824.982	5725 to 5850	Pass
			0	120	5824.982	5725 to 5850	Pass
			10	120	5824.982	5725 to 5850	Pass
			30	120	5824.982	5725 to 5850	Pass
			40	120	5824.982	5725 to 5850	Pass

	MIMO	5755	50	120	5824.982	5725 to 5850	Pass
			20	102	5754.981	5725 to 5850	Pass
				120	5754.981	5725 to 5850	Pass
				138	5754.981	5725 to 5850	Pass
				120	5754.981	5725 to 5850	Pass
			-30	120	5754.981	5725 to 5850	Pass
			-20	120	5754.981	5725 to 5850	Pass
			-10	120	5754.981	5725 to 5850	Pass
			0	120	5754.981	5725 to 5850	Pass
			10	120	5754.981	5725 to 5850	Pass
			30	120	5754.981	5725 to 5850	Pass
		5795	40	120	5754.981	5725 to 5850	Pass
			50	120	5754.981	5725 to 5850	Pass
			20	102	5794.981	5725 to 5850	Pass
				120	5794.980	5725 to 5850	Pass
				138	5794.980	5725 to 5850	Pass
				120	5794.980	5725 to 5850	Pass
			-30	120	5794.980	5725 to 5850	Pass
			-20	120	5794.980	5725 to 5850	Pass
			-10	120	5794.980	5725 to 5850	Pass
			0	120	5794.980	5725 to 5850	Pass
			10	120	5794.980	5725 to 5850	Pass
		5775	30	120	5794.980	5725 to 5850	Pass
			40	120	5794.980	5725 to 5850	Pass
			50	120	5794.980	5725 to 5850	Pass
			20	102	5774.980	5725 to 5850	Pass
				120	5774.980	5725 to 5850	Pass
				138	5774.980	5725 to 5850	Pass
				120	5774.980	5725 to 5850	Pass
			-30	120	5774.980	5725 to 5850	Pass
			-20	120	5774.980	5725 to 5850	Pass
			-10	120	5774.980	5725 to 5850	Pass
			0	120	5774.980	5725 to 5850	Pass
			10	120	5774.980	5725 to 5850	Pass
			30	120	5774.980	5725 to 5850	Pass
			40	120	5774.980	5725 to 5850	Pass
			50	120	5774.980	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	0.0183	12.63
5755	5795	0.0160	12.03
5775	5775	0.0123	10.89