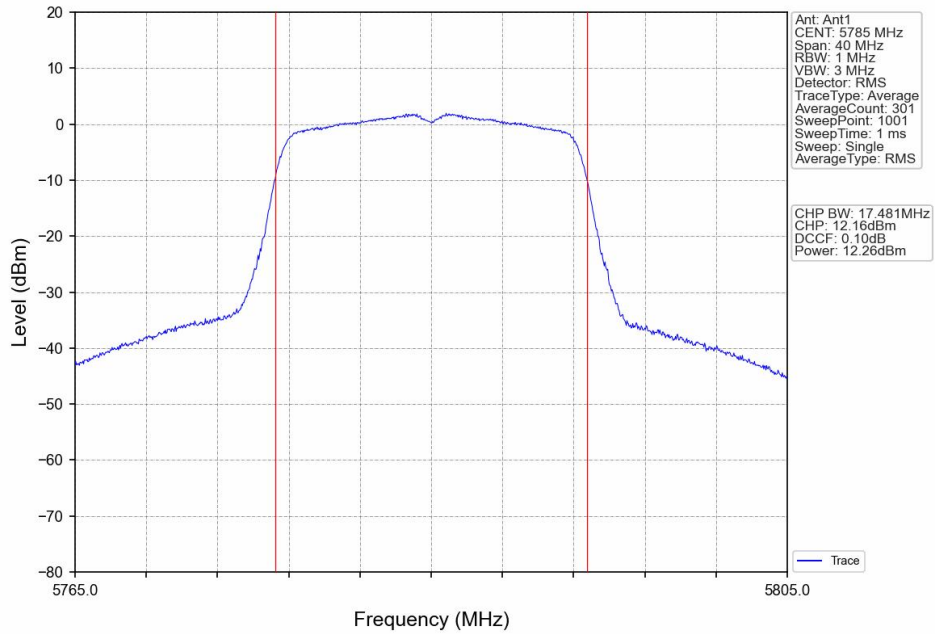
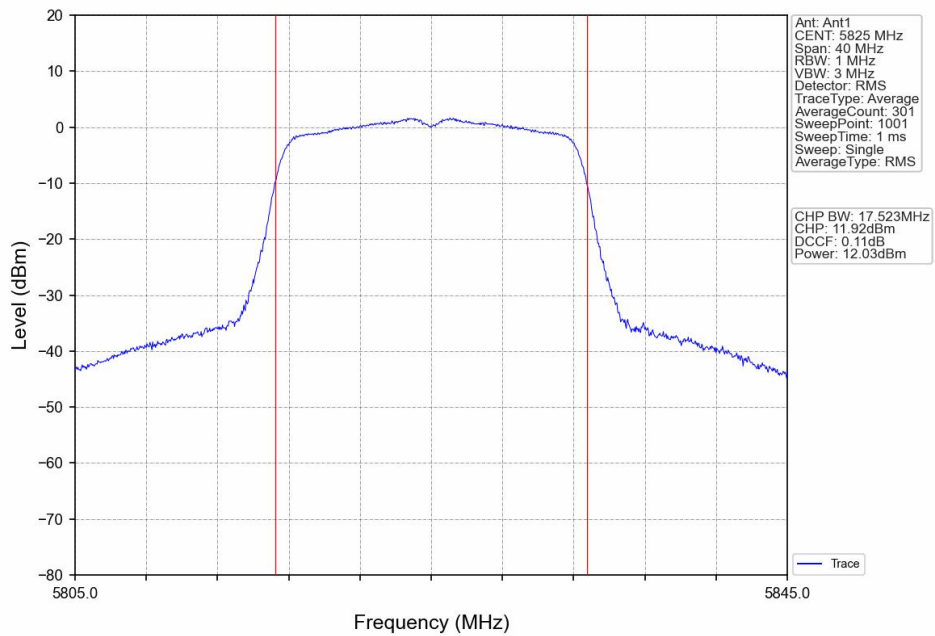


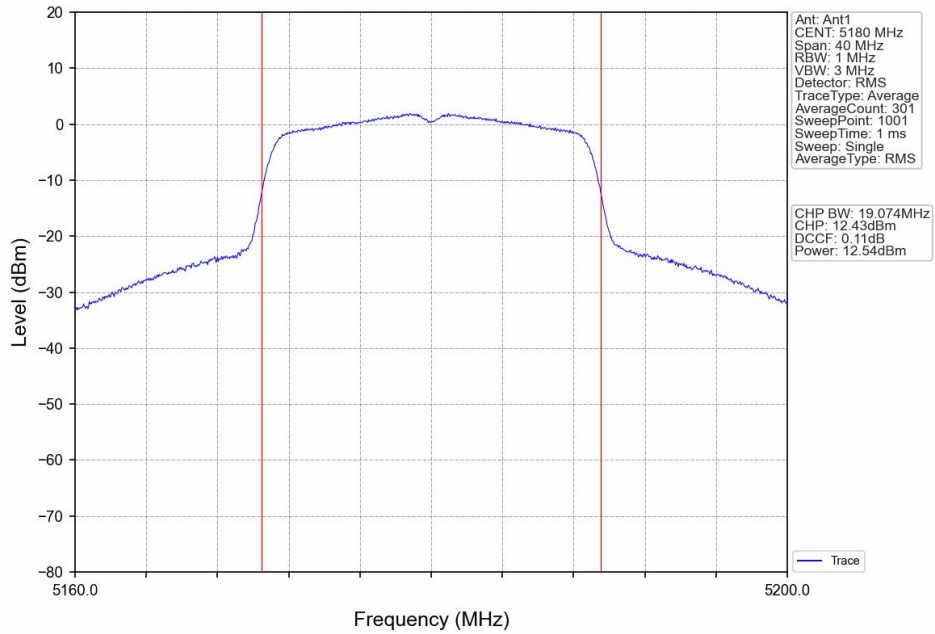
802.11a_MCH_5785MHz_Ant1_NTNV



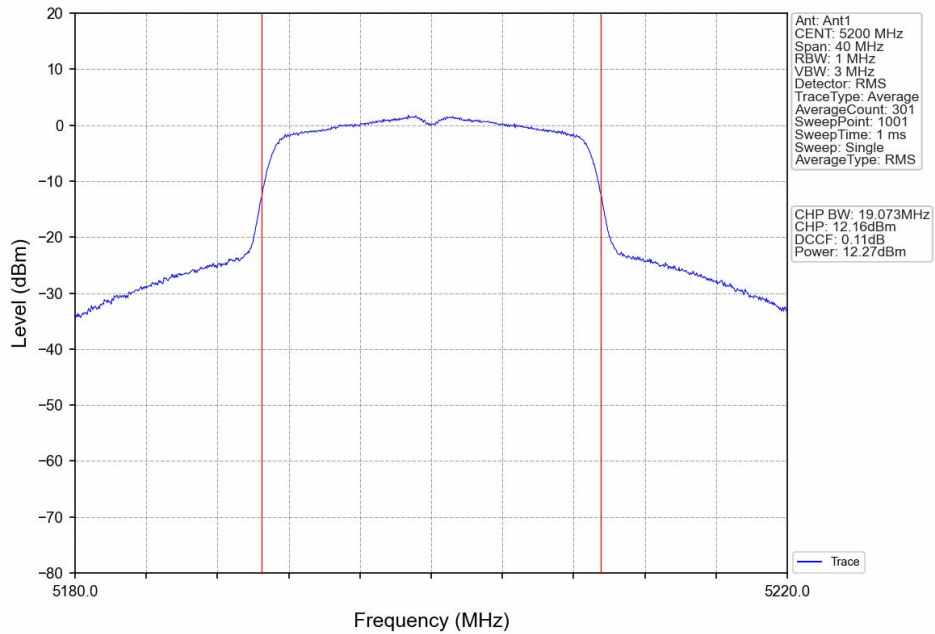
802.11a_HCH_5825MHz_Ant1_NTNV



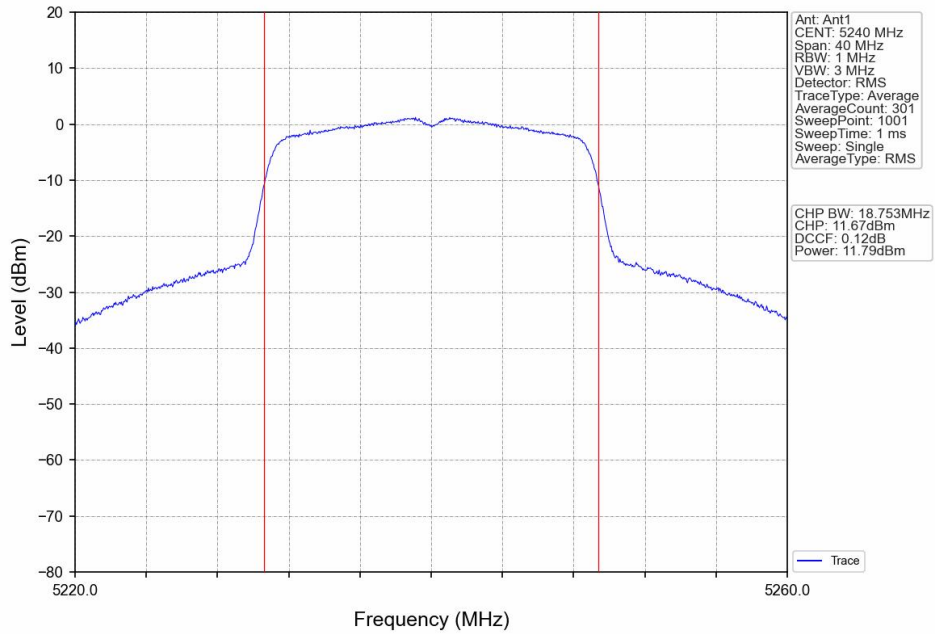
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



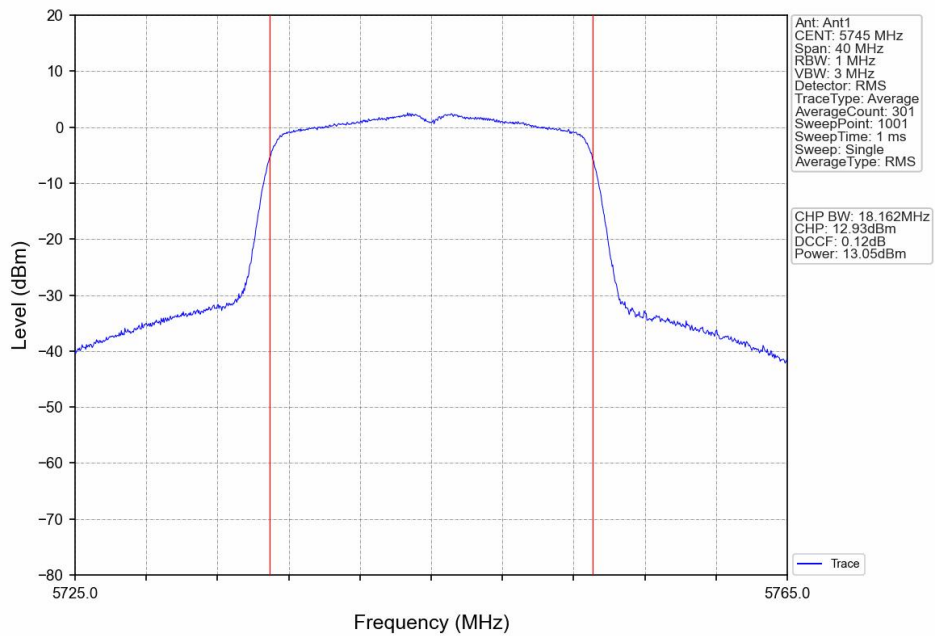
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



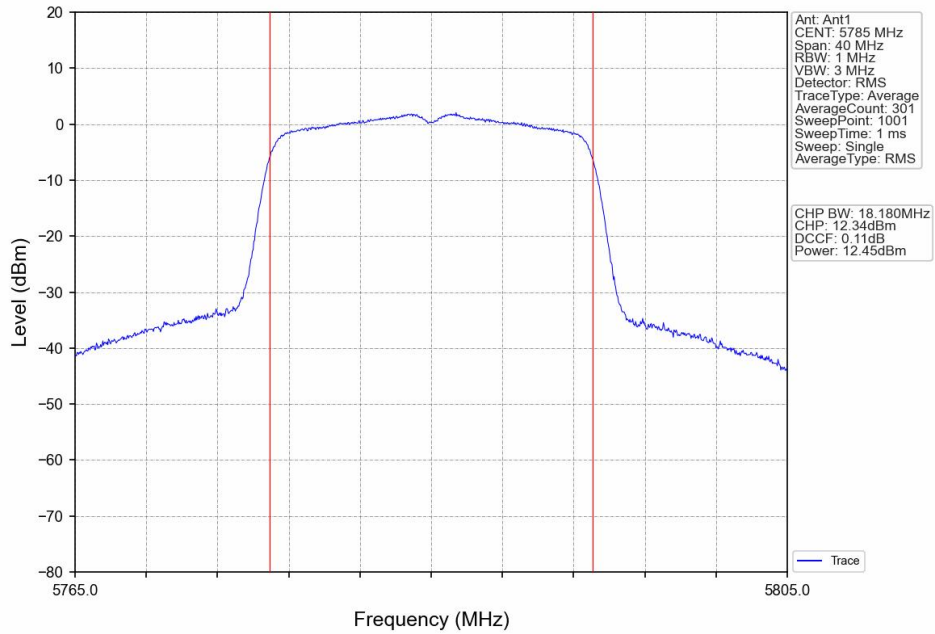
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



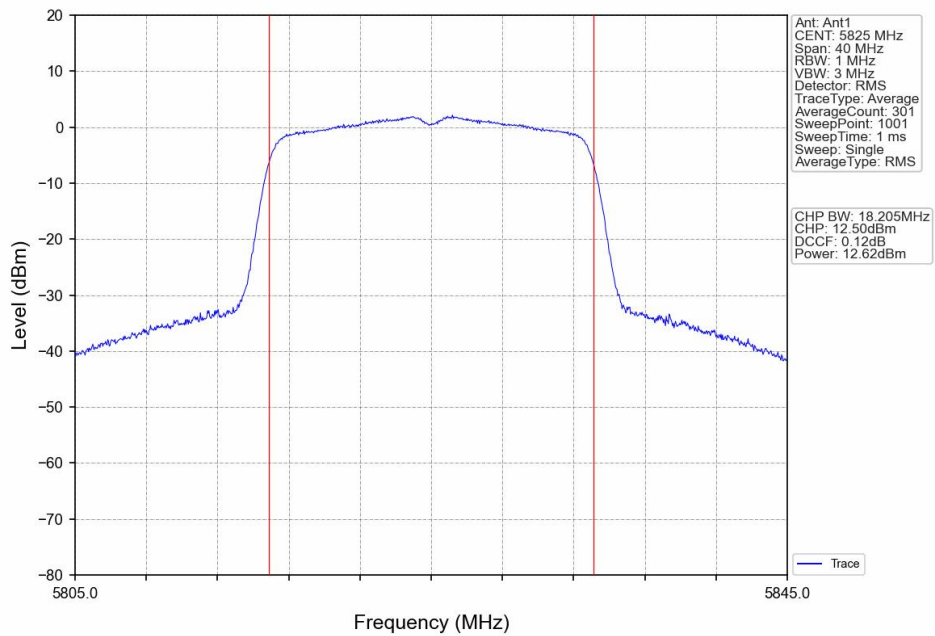
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



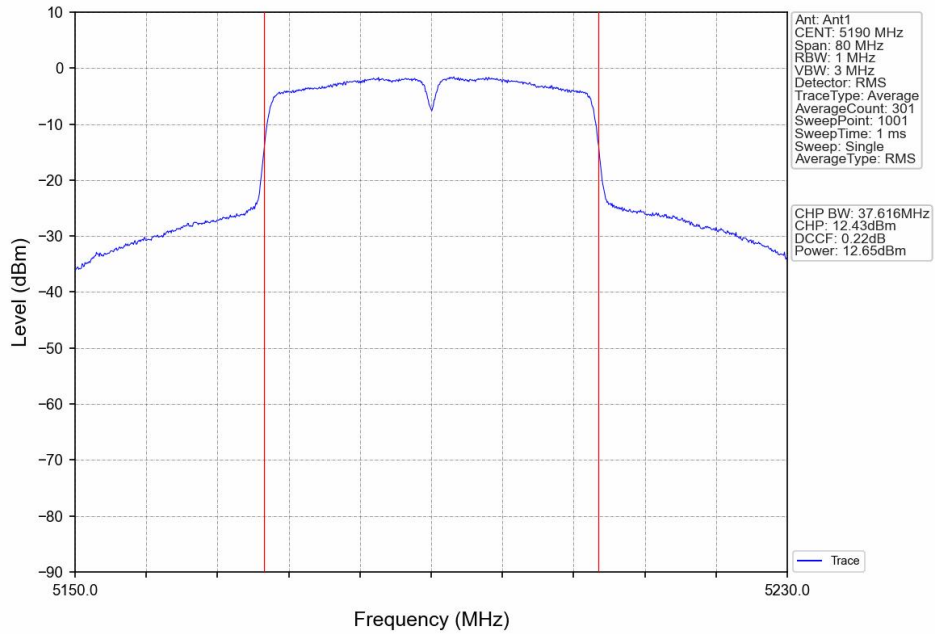
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



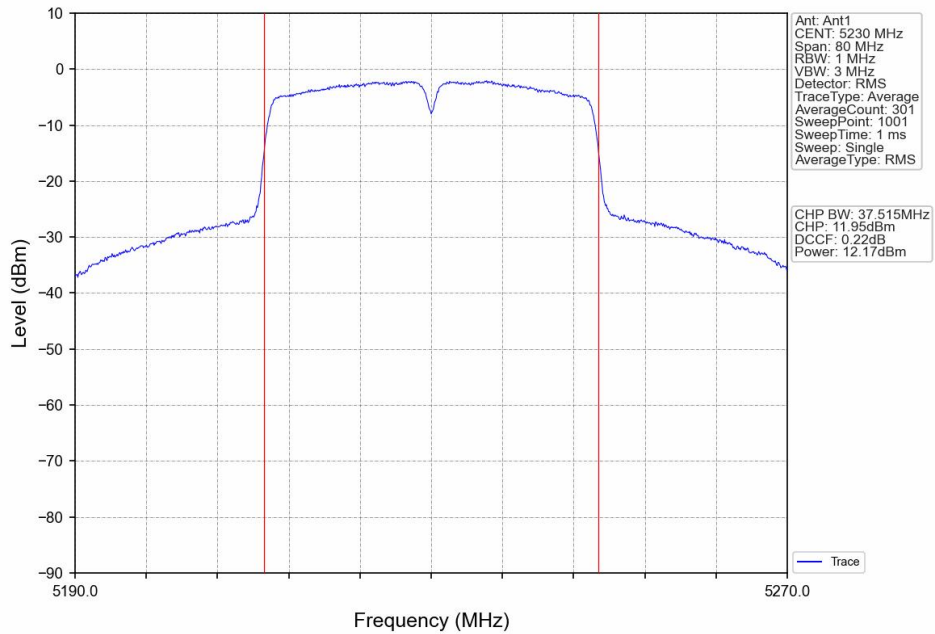
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



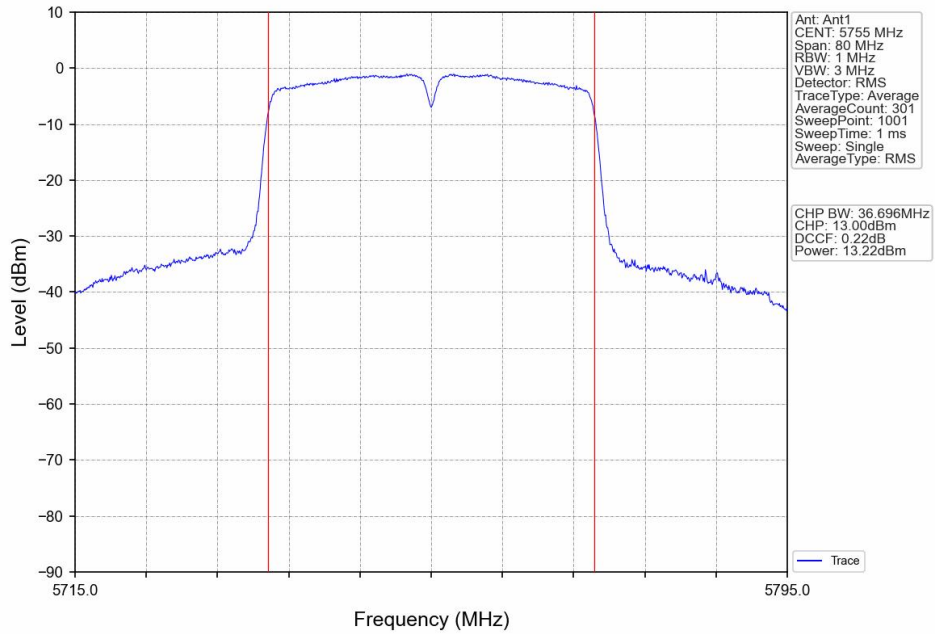
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



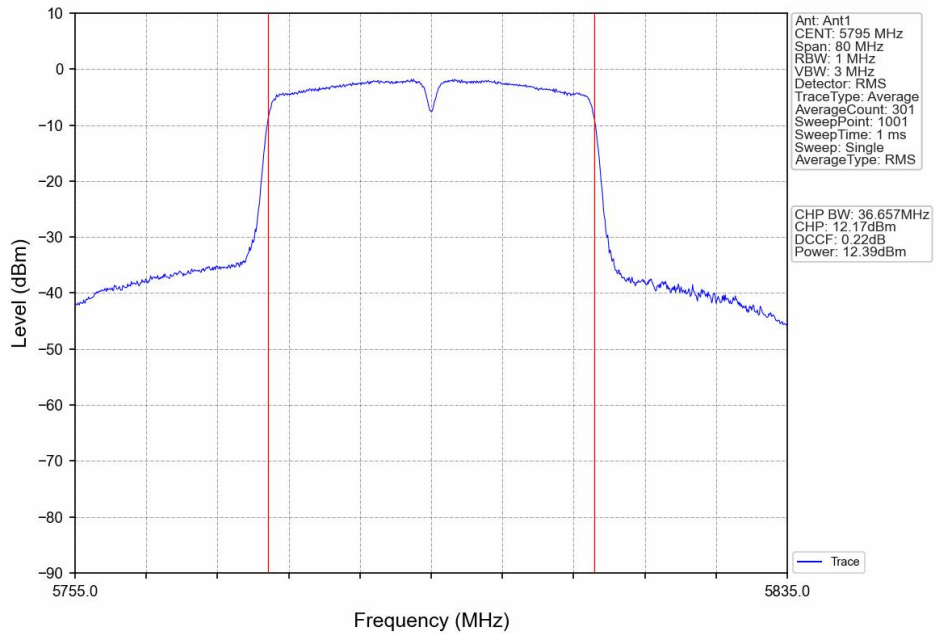
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



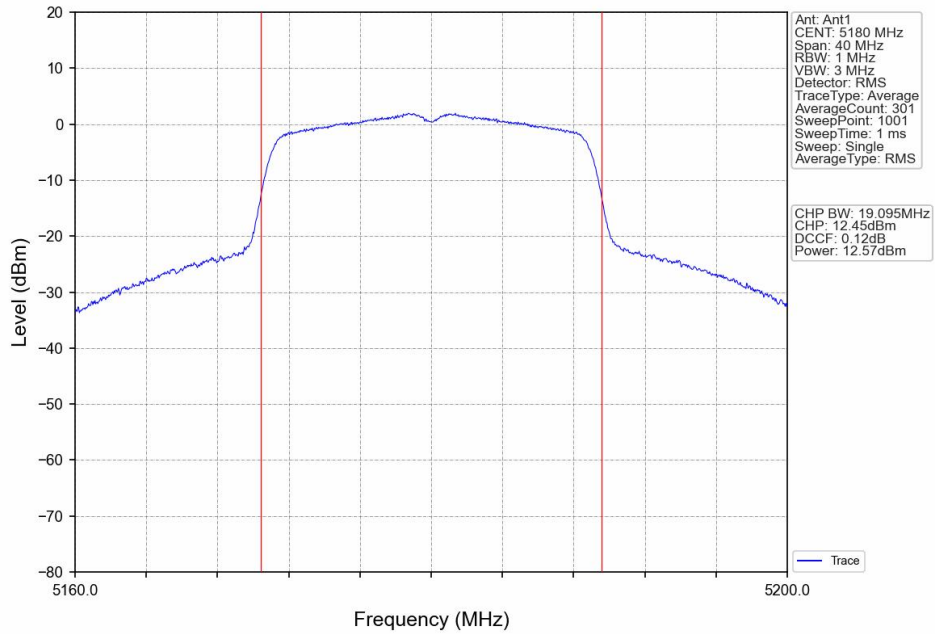
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



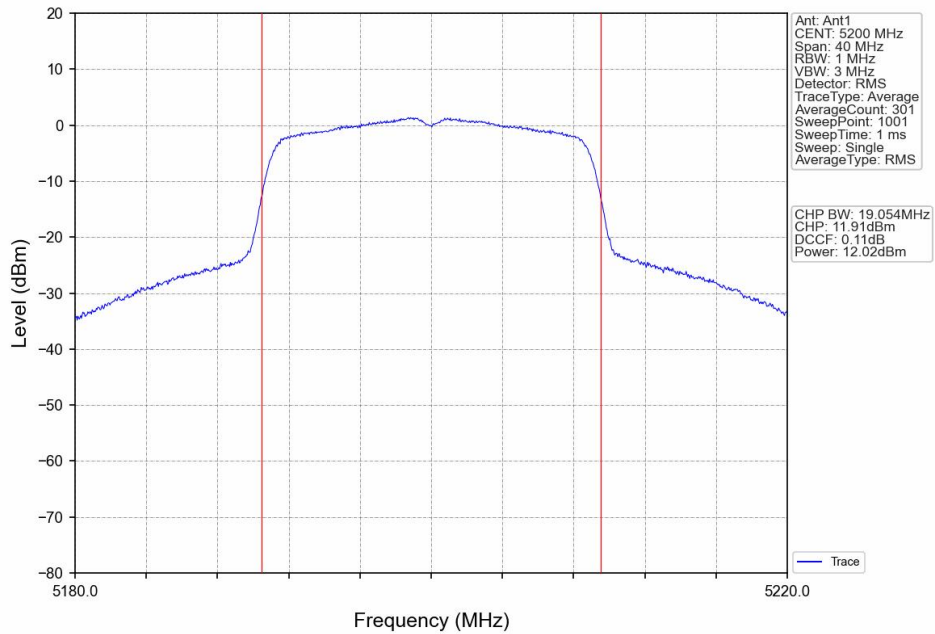
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



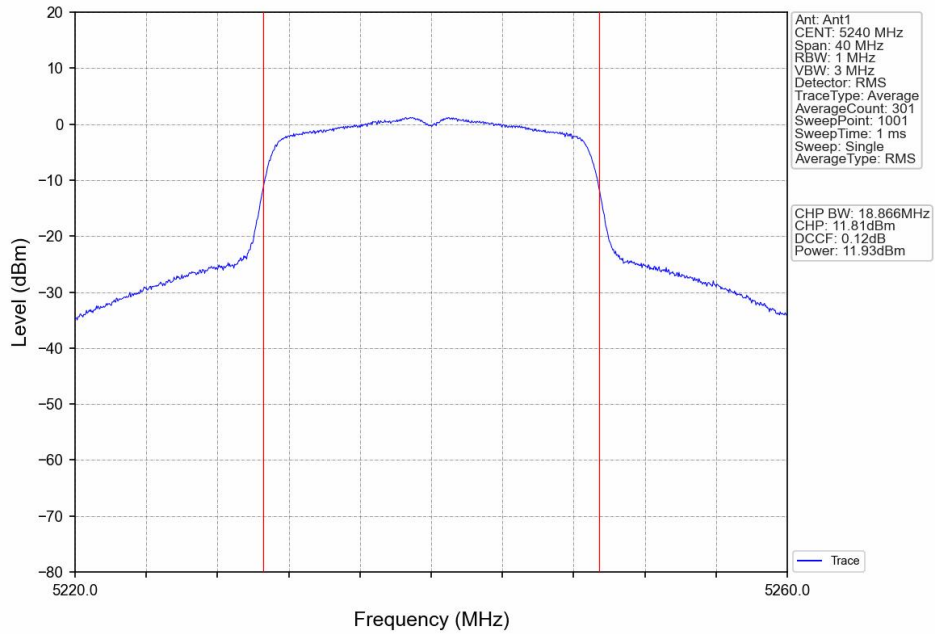
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



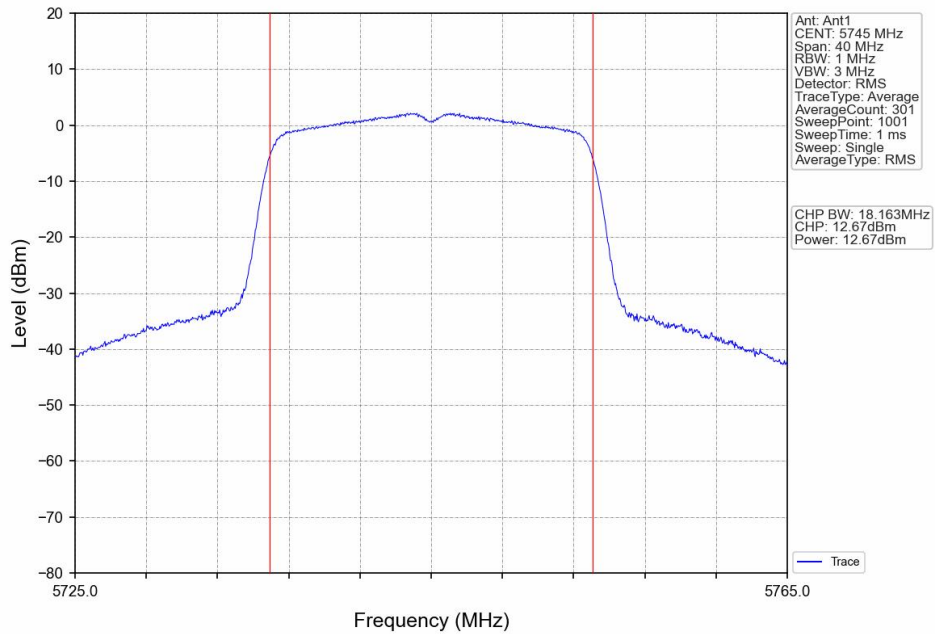
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



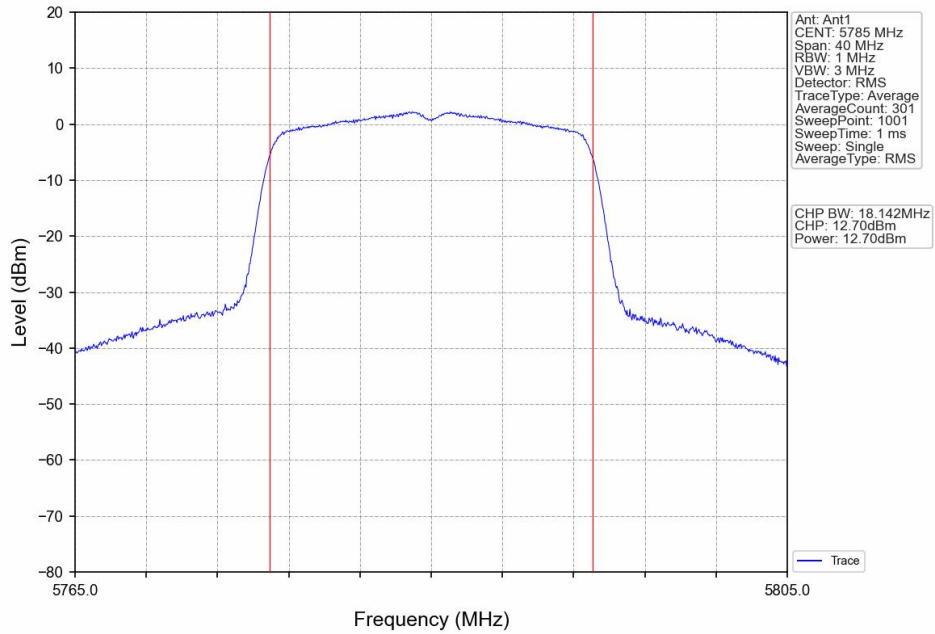
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



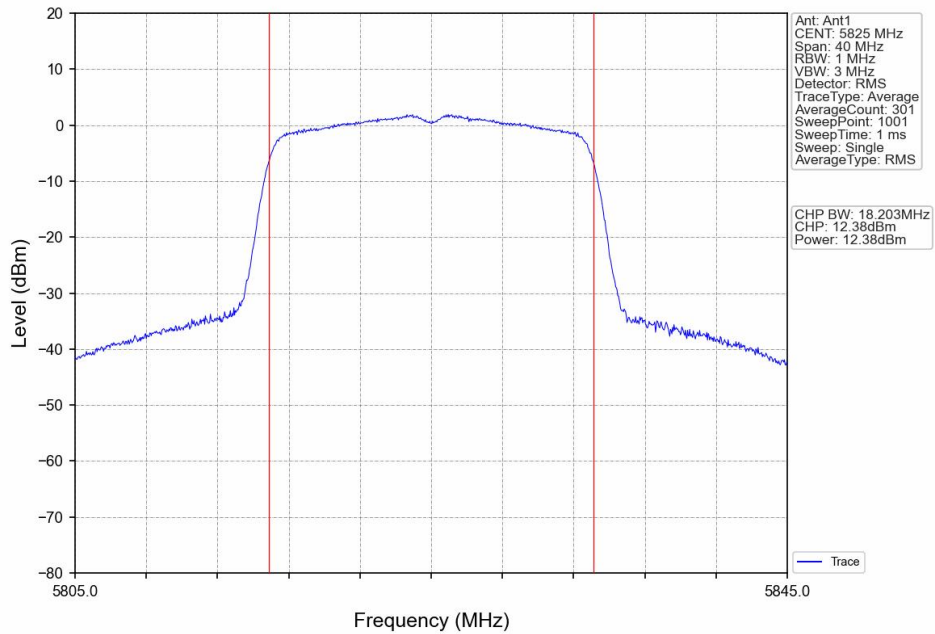
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



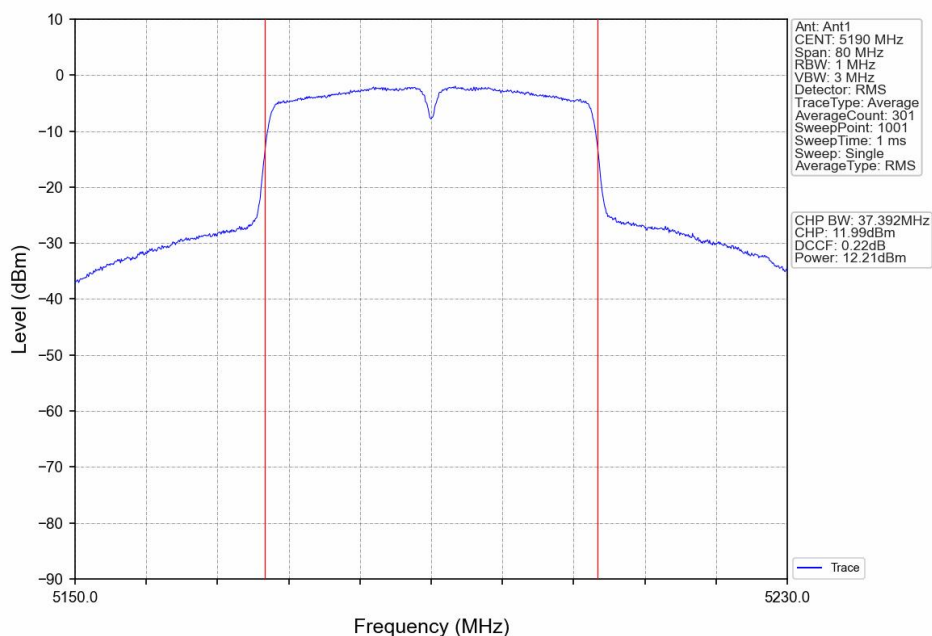
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



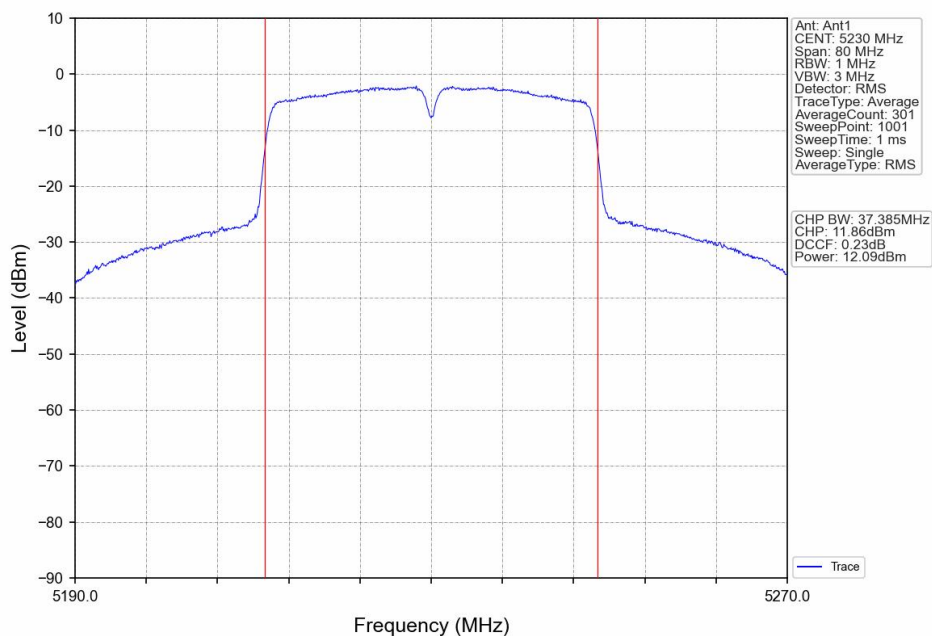
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



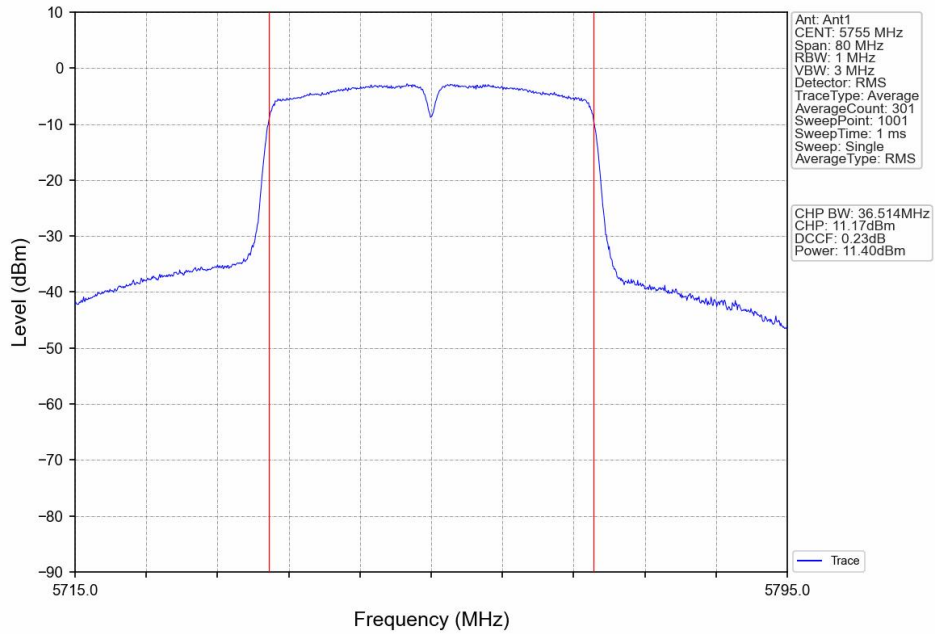
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



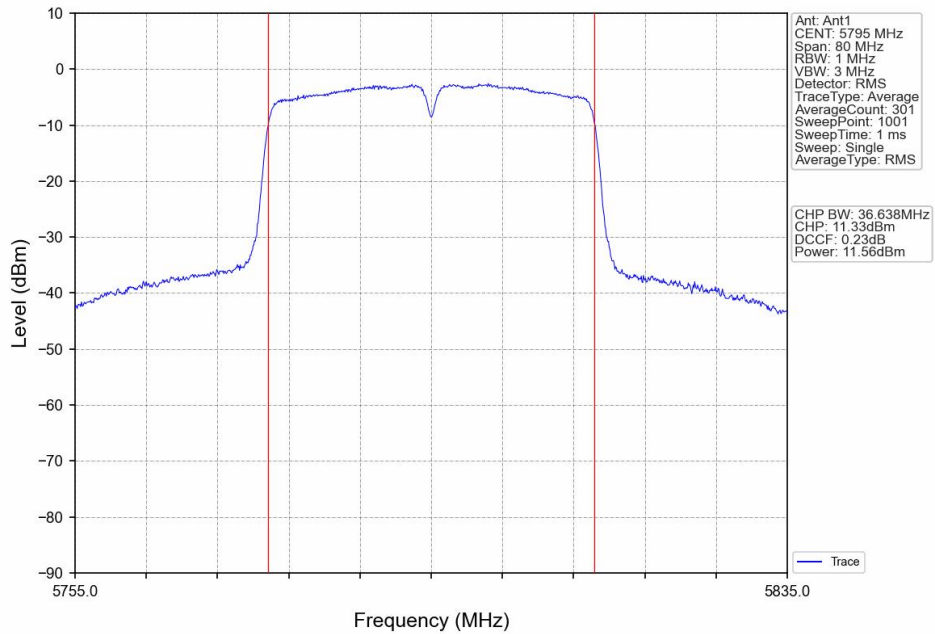
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



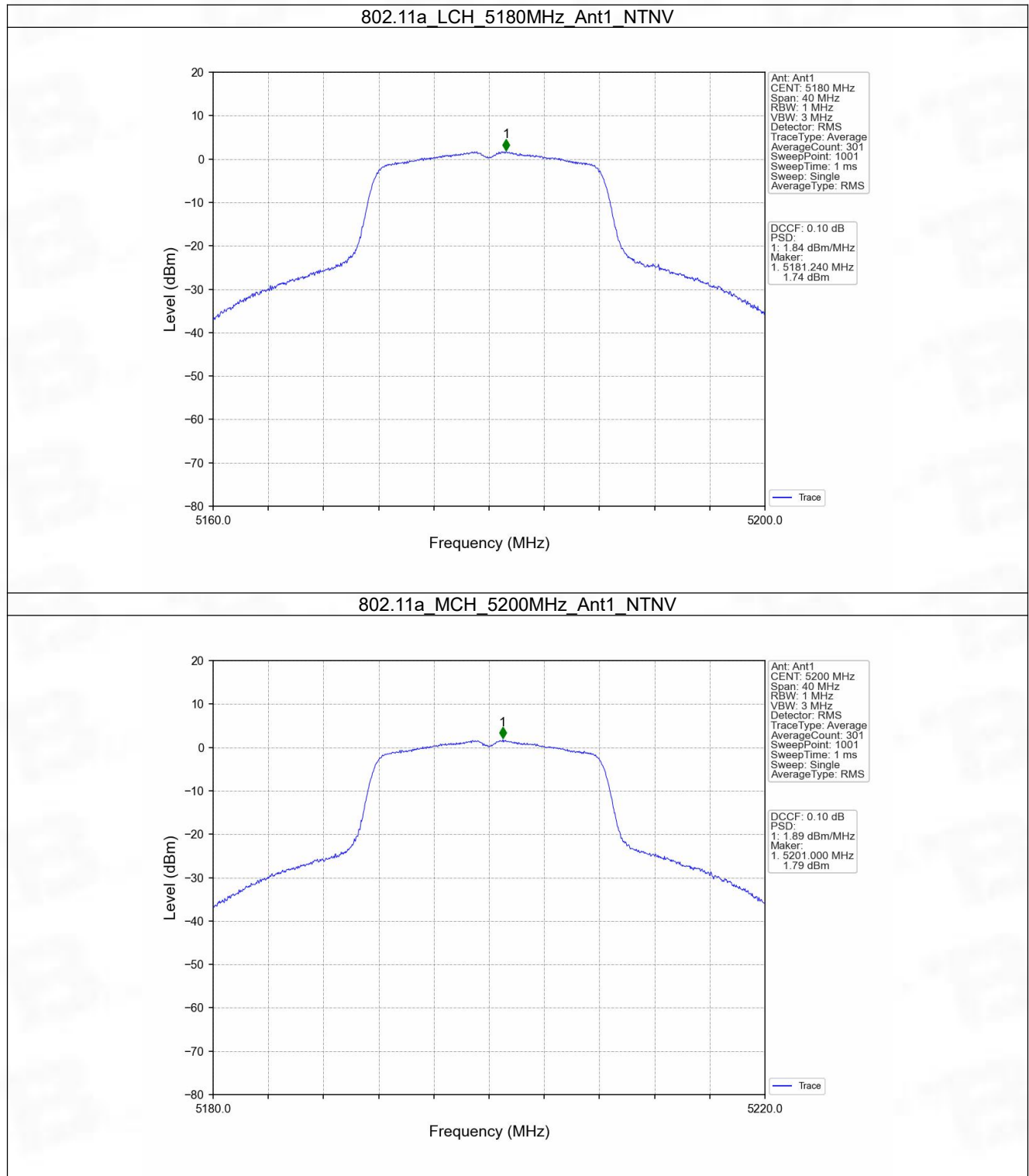
4. Maximum Power Spectral Density

4.1 PSD

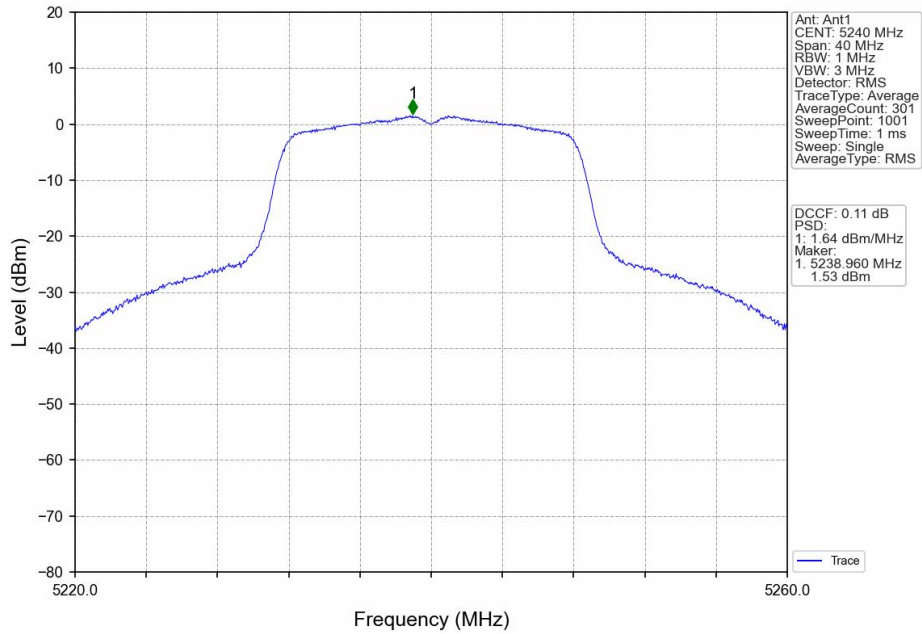
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	1.84	<=11	Pass
		5200	1.89	<=11	Pass
		5240	1.64	<=11	Pass
802.11n (HT20)	SISO	5180	2.08	<=11	Pass
		5200	1.86	<=11	Pass
		5240	1.36	<=11	Pass
802.11n (HT40)	SISO	5190	-1.30	<=11	Pass
		5230	-1.93	<=11	Pass
802.11ac (VHT20)	SISO	5180	2.08	<=11	Pass
		5200	1.43	<=11	Pass
		5240	1.50	<=11	Pass
802.11ac (VHT40)	SISO	5190	-1.64	<=11	Pass
		5230	-2.00	<=11	Pass
Note1: Antenna Gain: Ant1: 0.95dBi:					

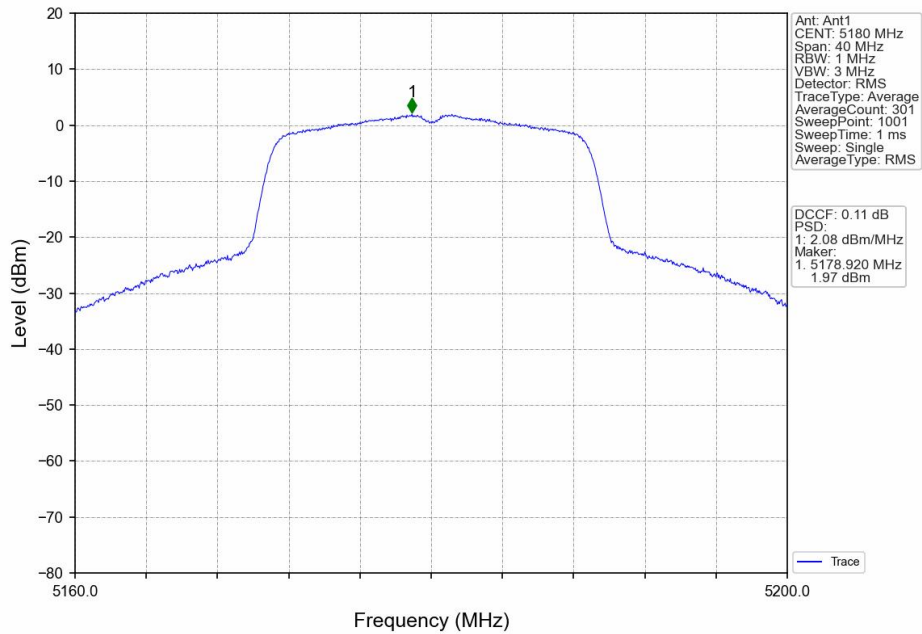
4.1.2 Test Graph



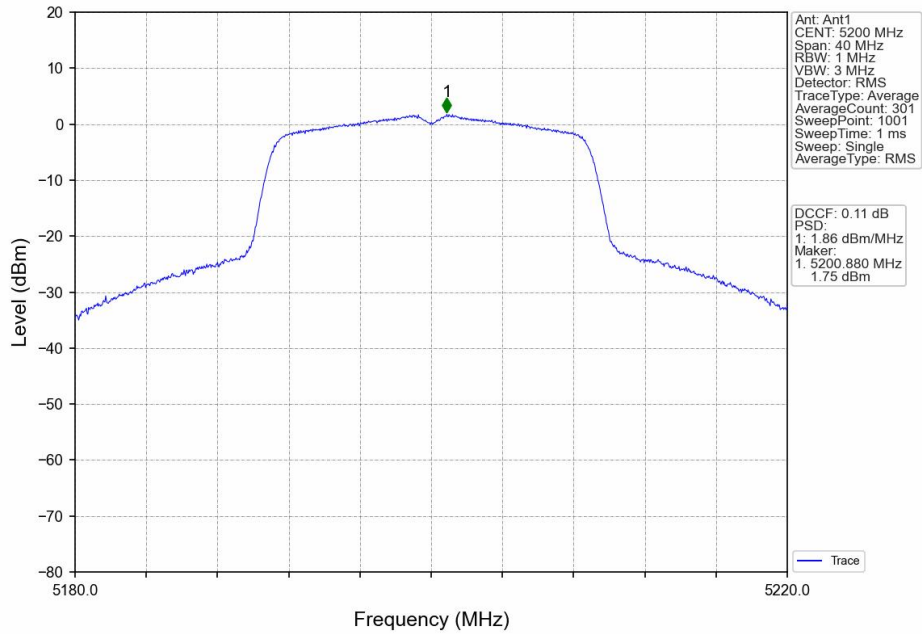
802.11a_HCH_5240MHz_Ant1_NTNV



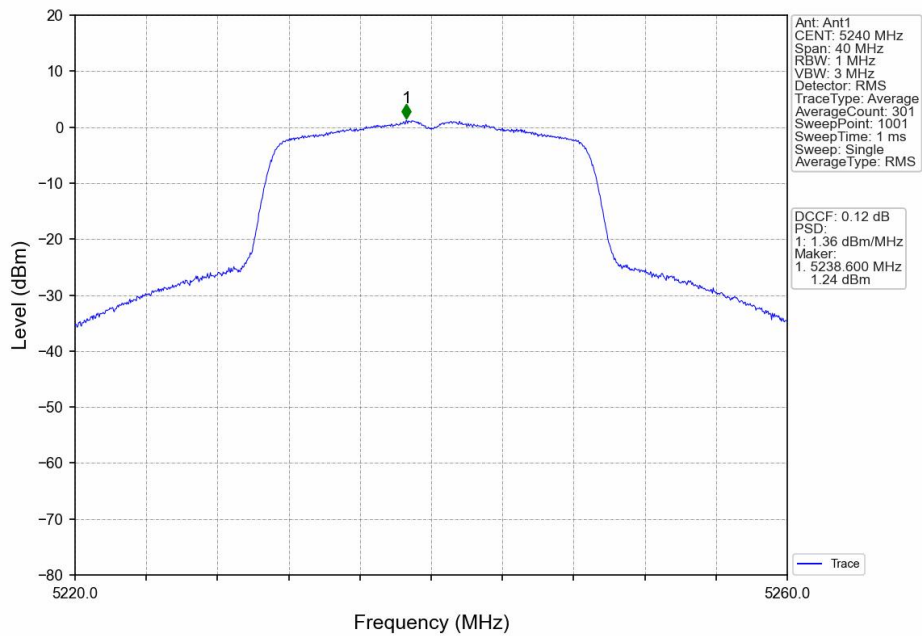
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



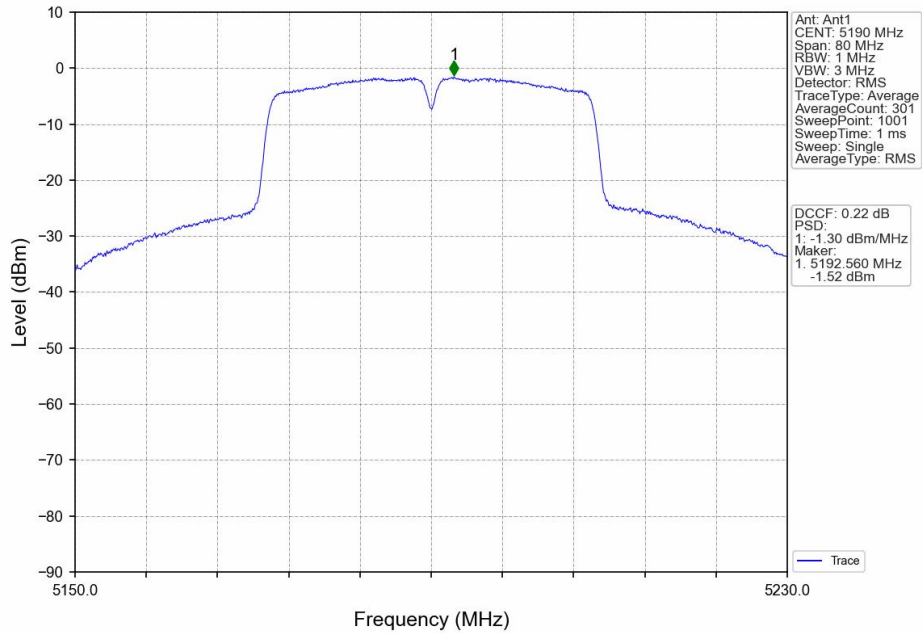
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



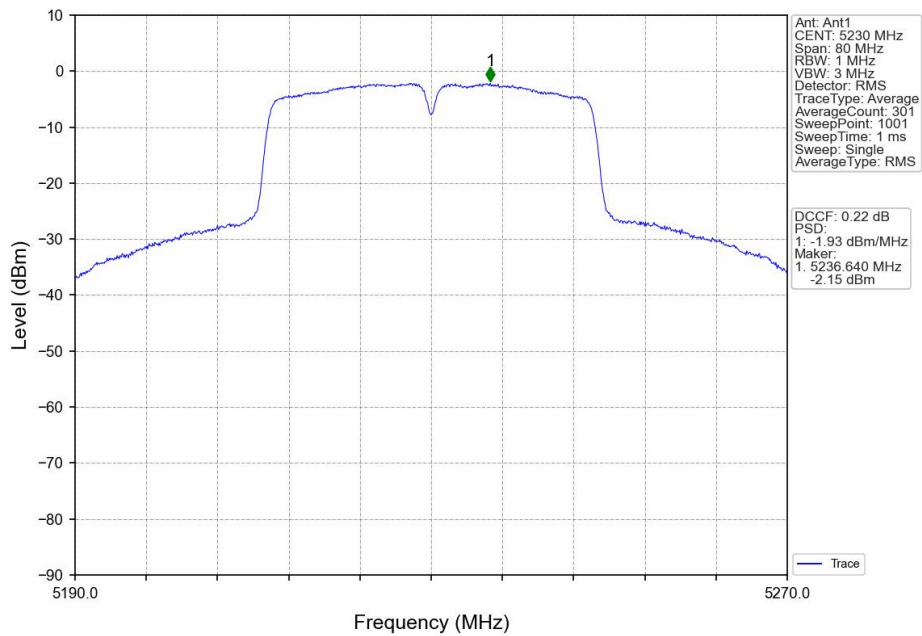
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



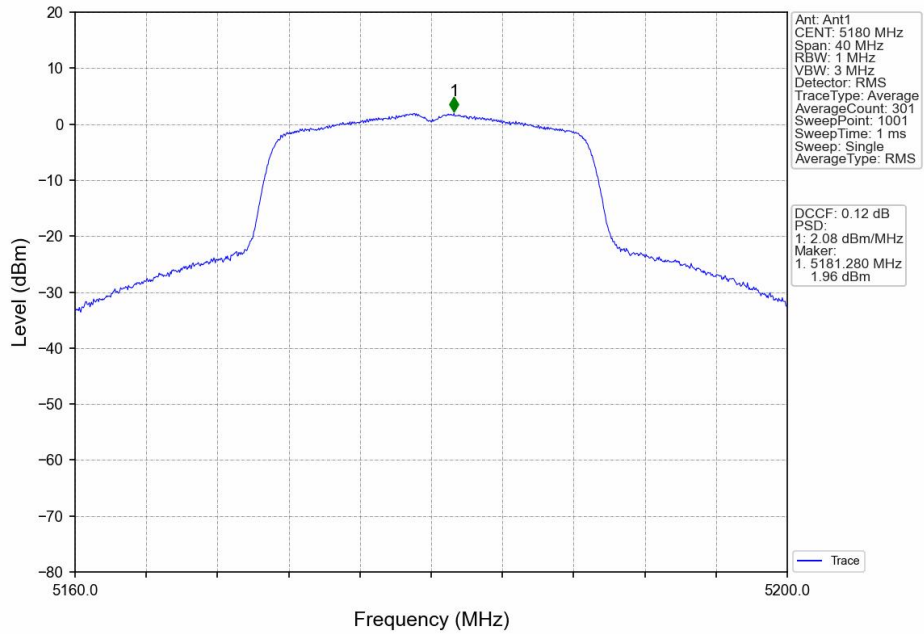
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



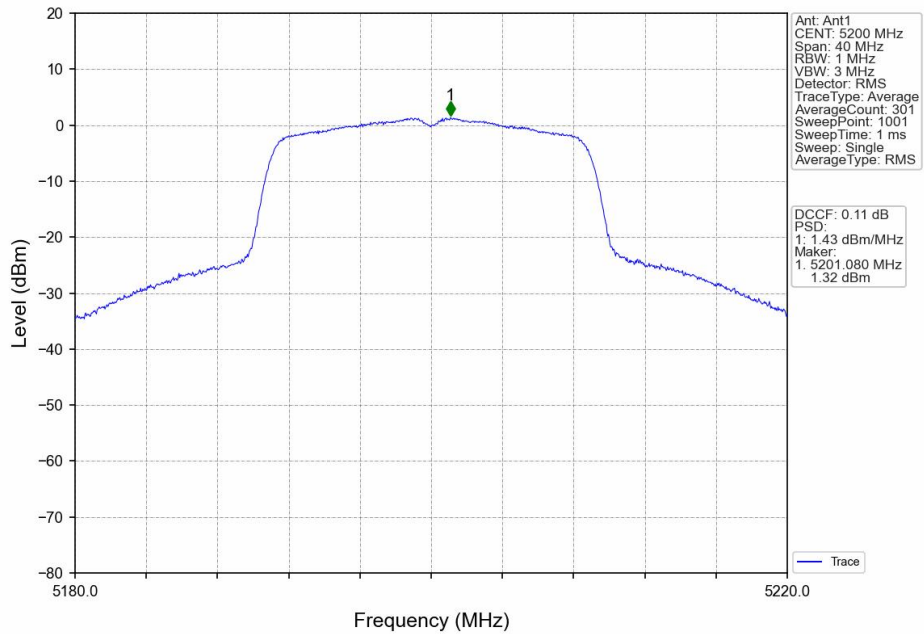
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



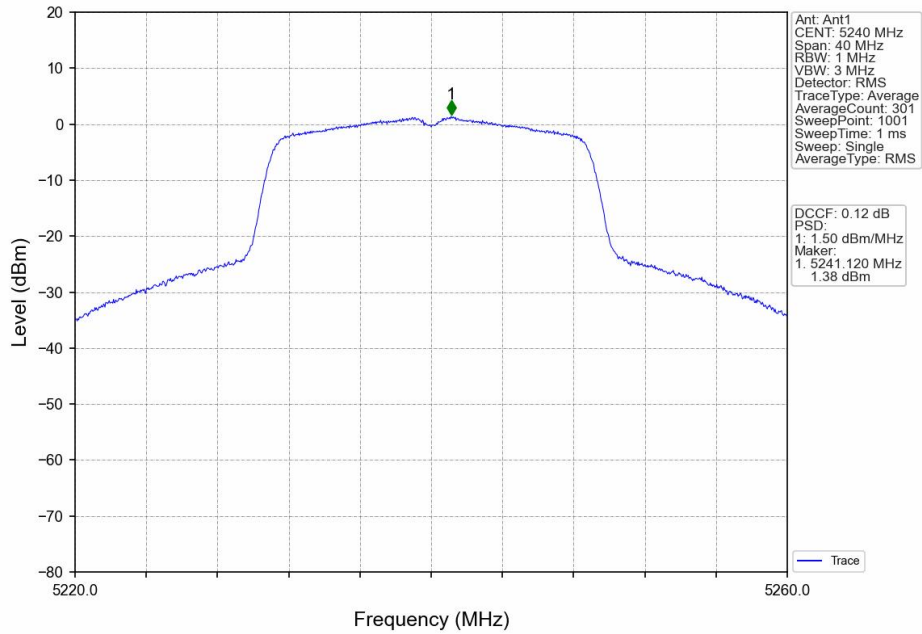
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



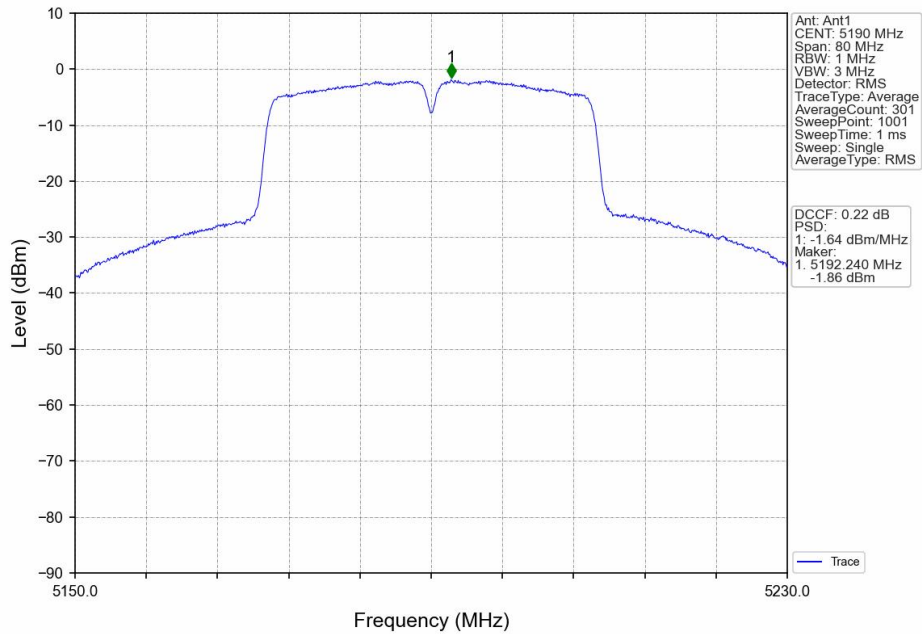
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

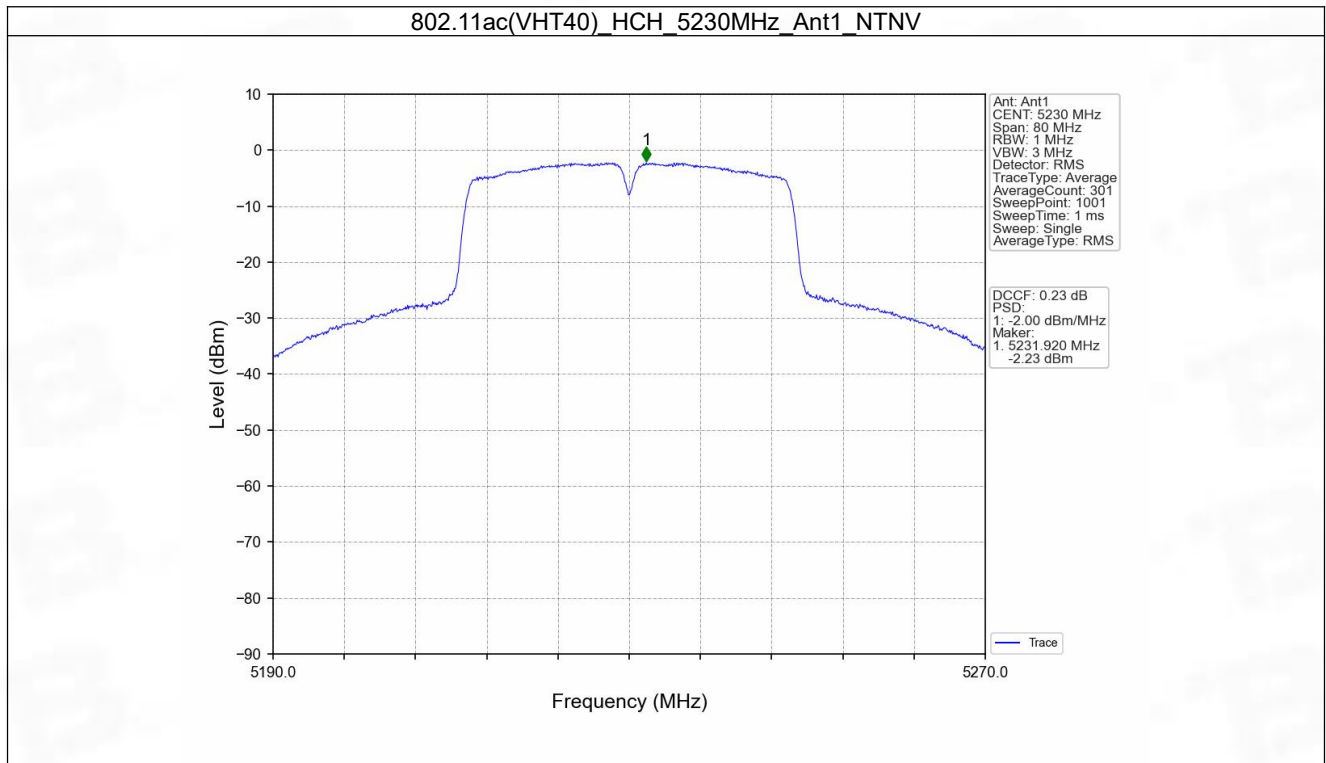


802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV





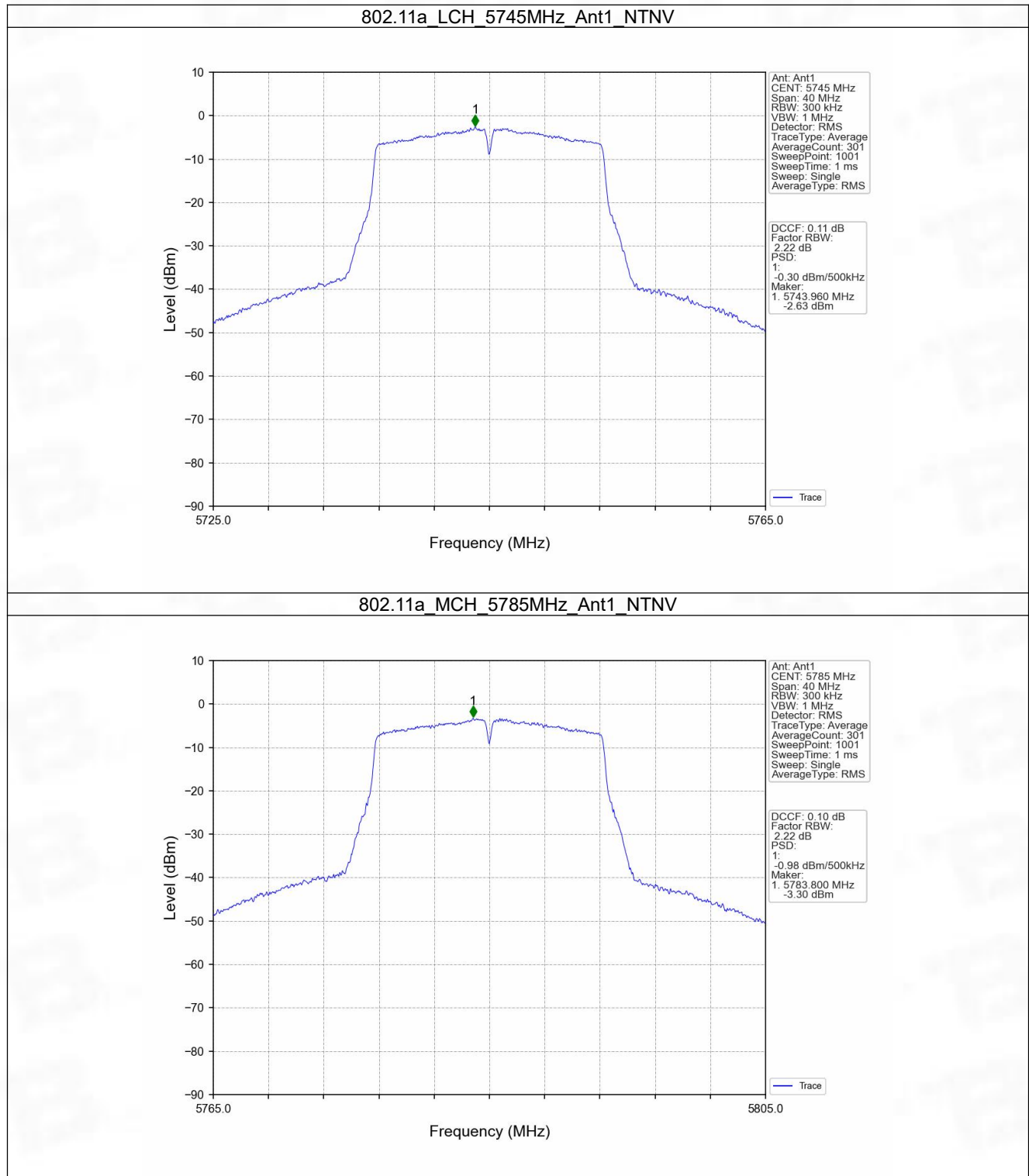
4.2 PSD-Band3

4.2.1 Test Result

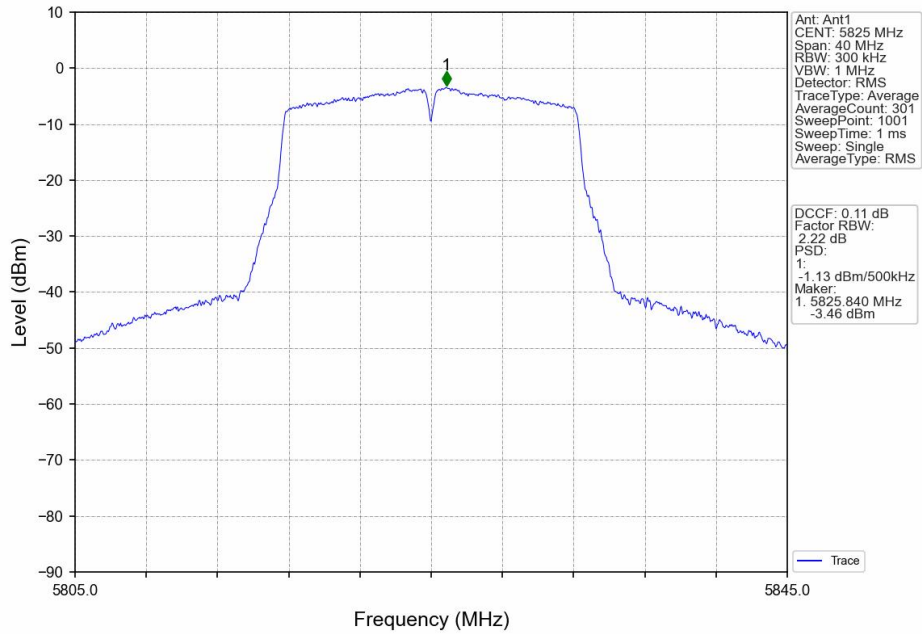
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-0.30	<=30	Pass
		5785	-0.98	<=30	Pass
		5825	-1.13	<=30	Pass
802.11n (HT20)	SISO	5745	-0.19	<=30	Pass
		5785	-0.92	<=30	Pass
		5825	-0.83	<=30	Pass
802.11n (HT40)	SISO	5755	-3.77	<=30	Pass
		5795	-4.54	<=30	Pass
802.11ac (VHT20)	SISO	5745	-0.06	<=30	Pass
		5785	-0.70	<=30	Pass
		5825	-0.74	<=30	Pass
802.11ac (VHT40)	SISO	5755	-5.40	<=30	Pass
		5795	-5.14	<=30	Pass

Note1: Antenna Gain: Ant1: 0.95dBi;

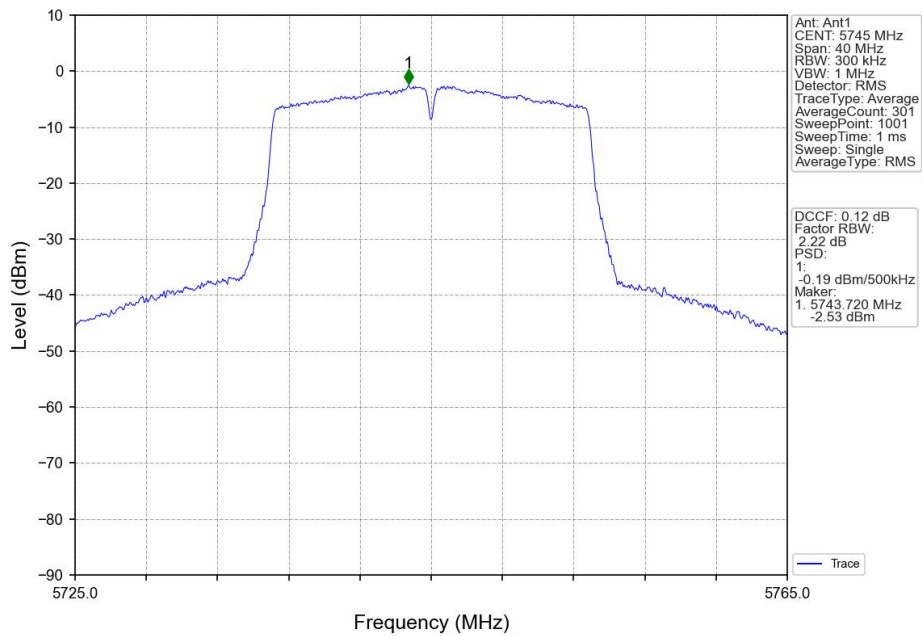
4.2.2 Test Graph



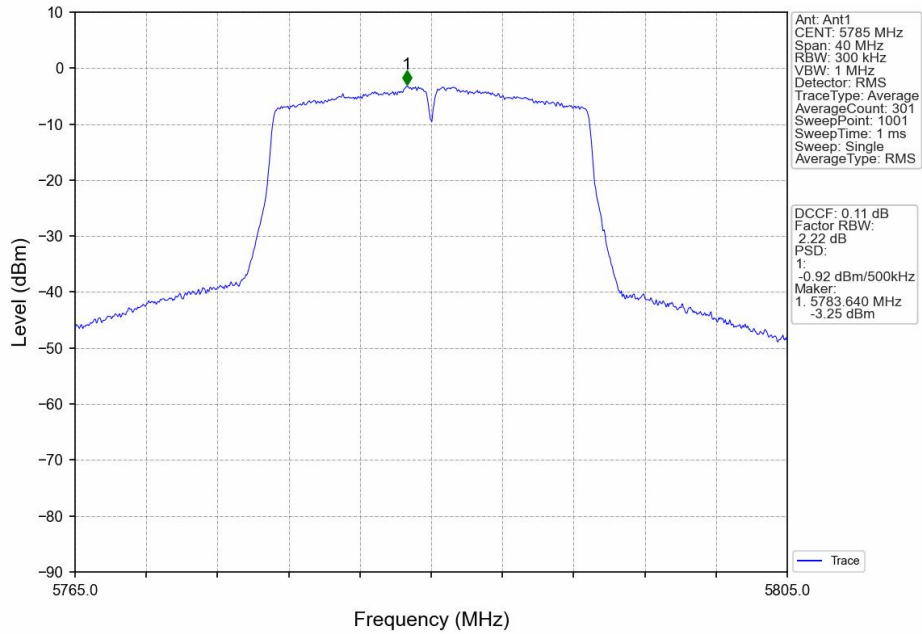
802.11a_HCH_5825MHz_Ant1_NTNV



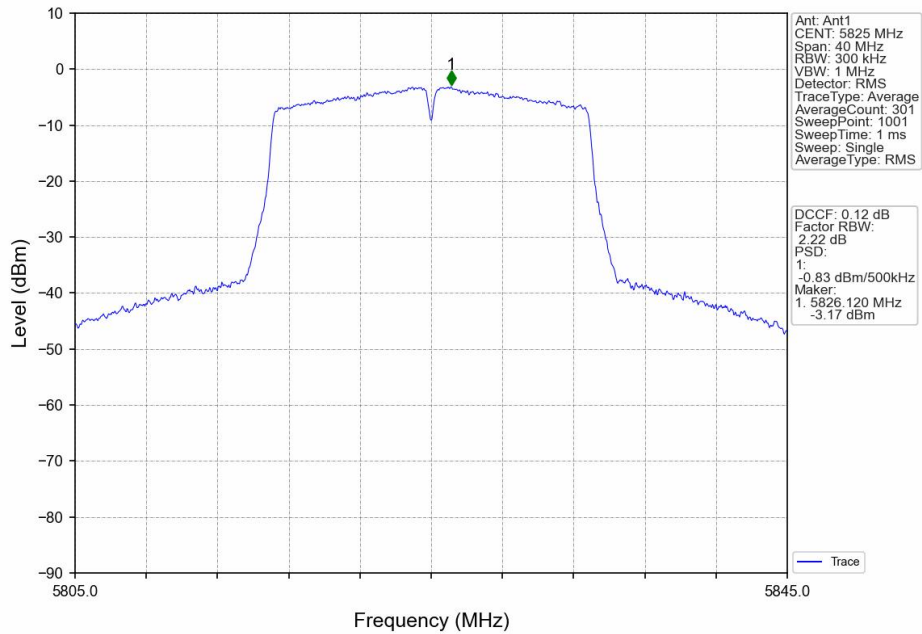
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



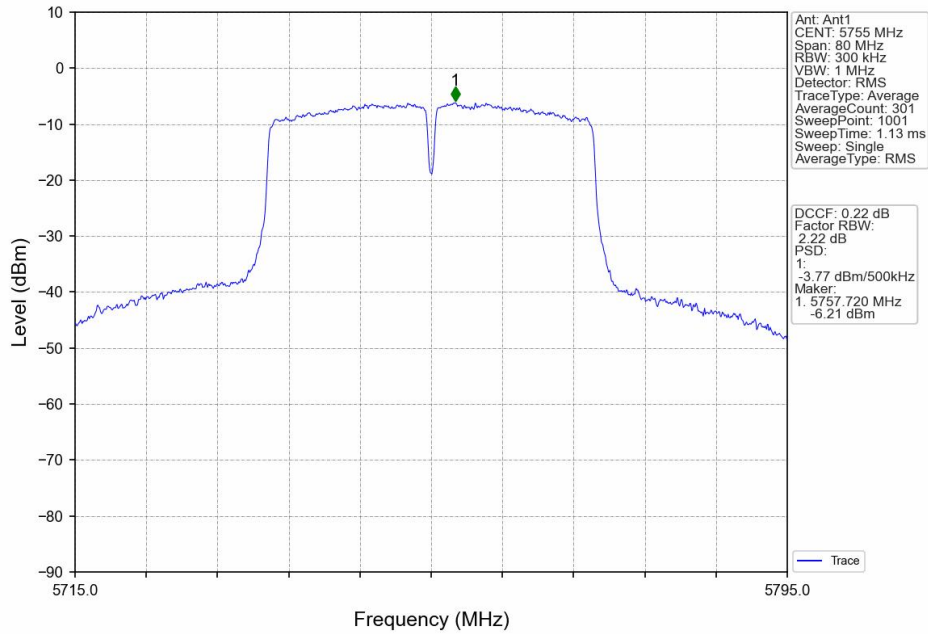
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



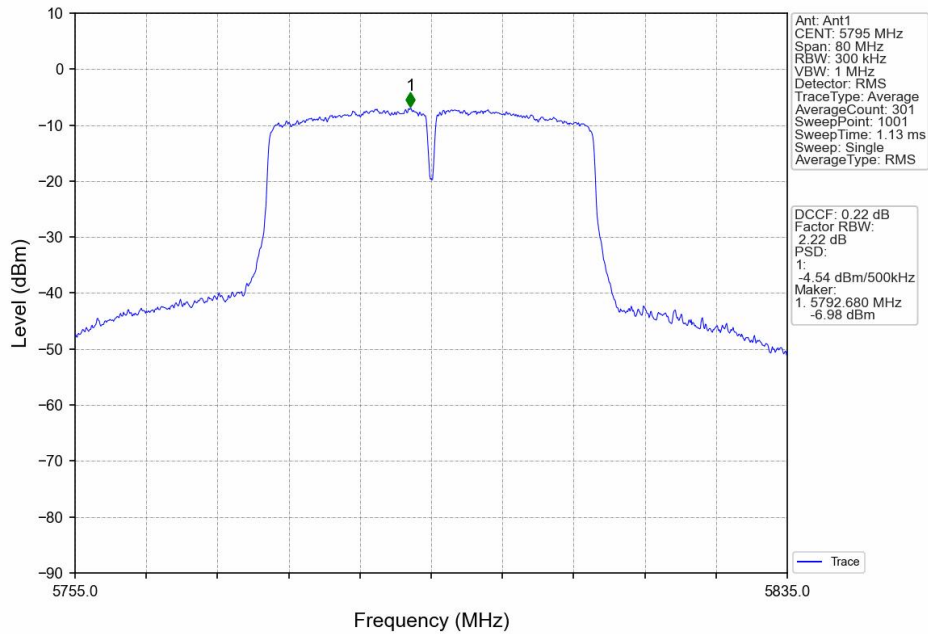
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



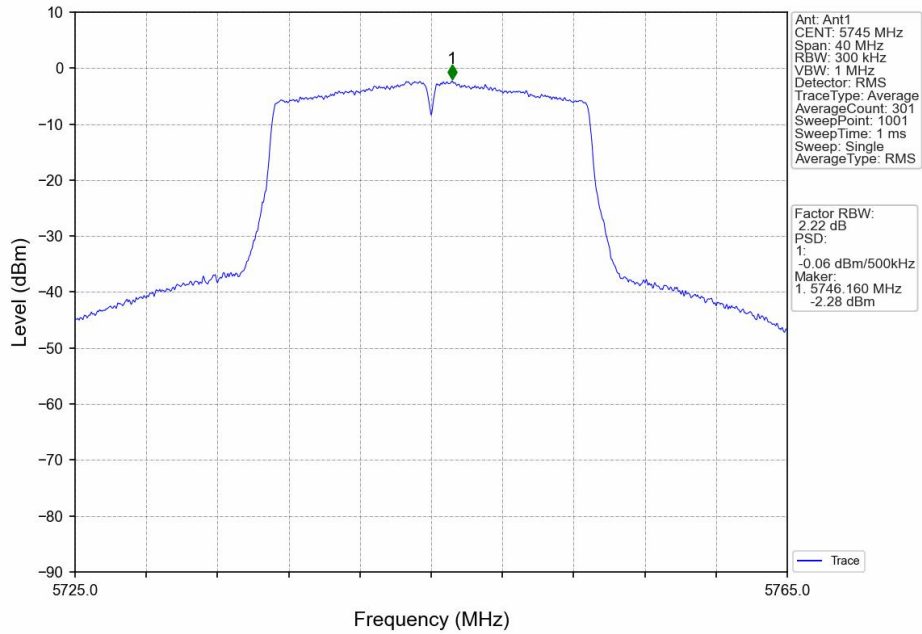
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



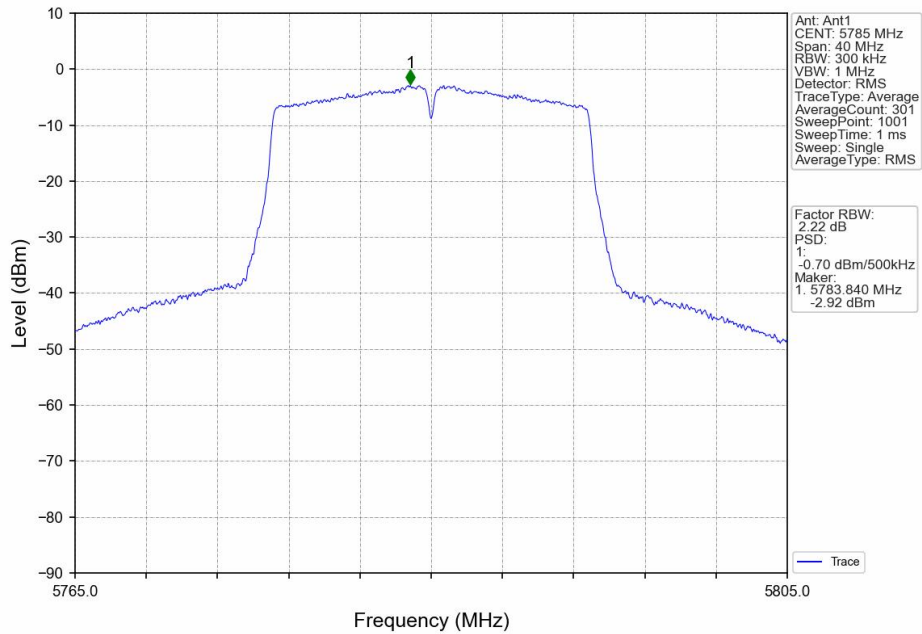
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



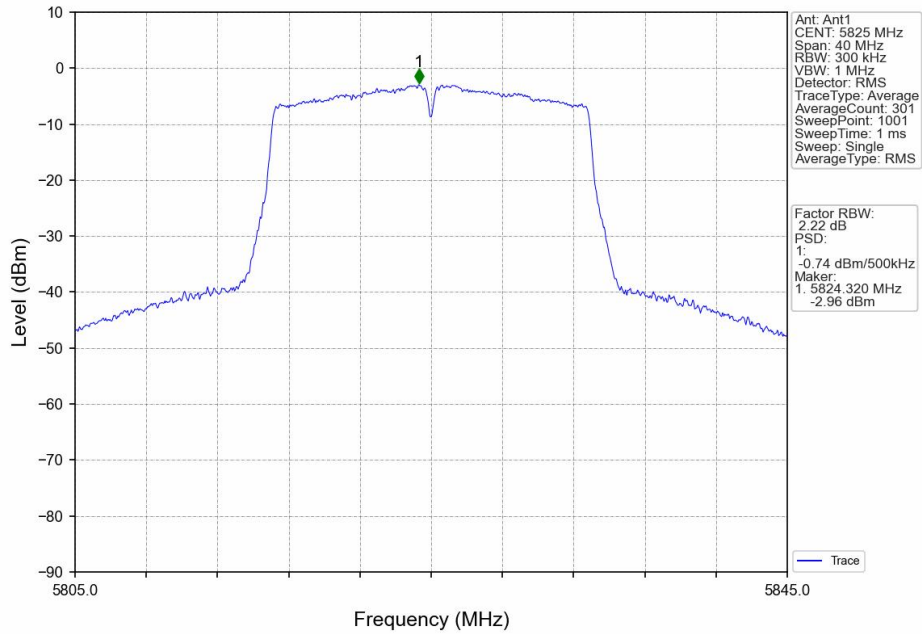
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



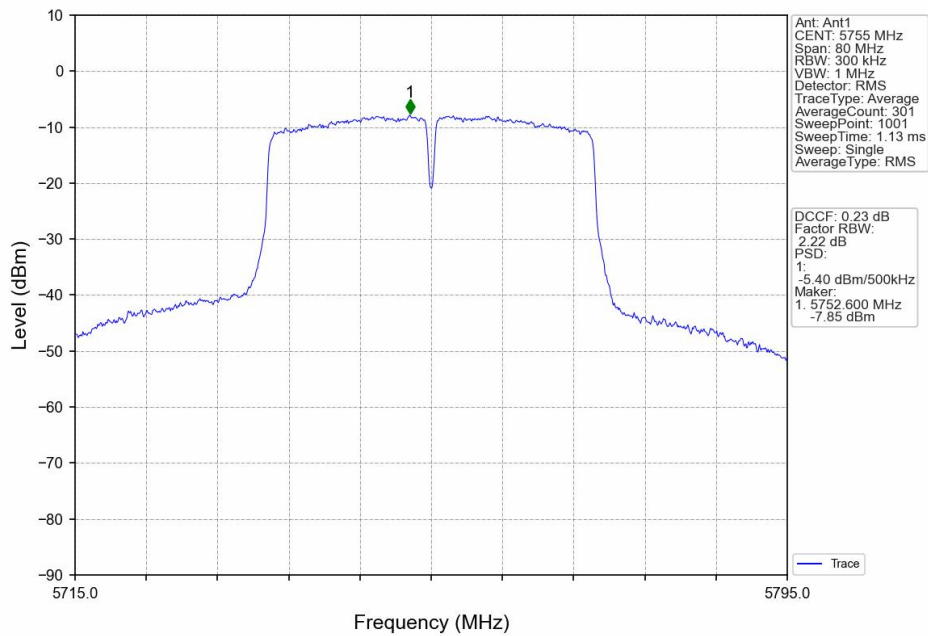
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV

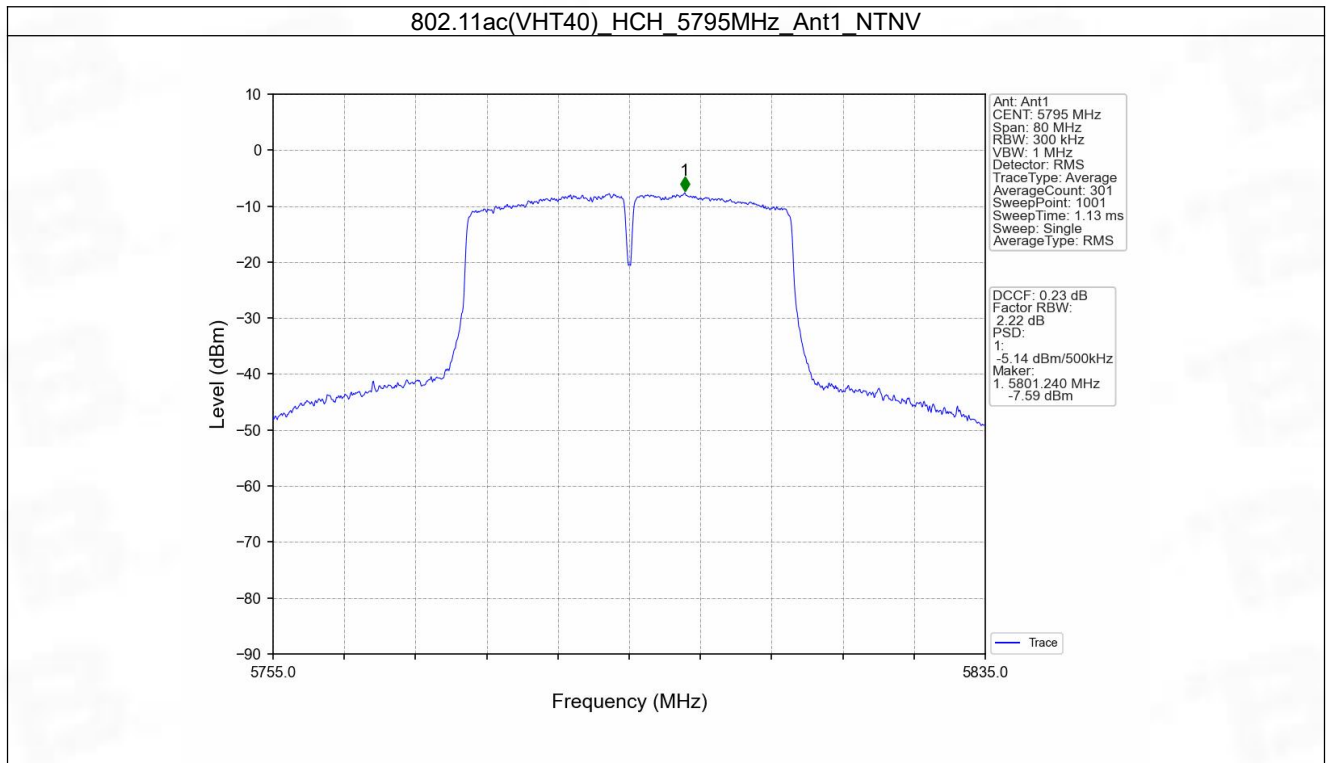


802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV





5. Frequency Stability

5.1 Ant1

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Temperature (°C)	Ant1			
				Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	20	102	5179.980	5150 to 5250	Pass
				120	5180.040	5150 to 5250	Pass
				138	5180.000	5150 to 5250	Pass
			-30	120	5179.980	5150 to 5250	Pass
			-20	120	5179.920	5150 to 5250	Pass
			-10	120	5180.080	5150 to 5250	Pass
			0	120	5179.940	5150 to 5250	Pass
			10	120	5180.040	5150 to 5250	Pass
			30	120	5180.000	5150 to 5250	Pass
			40	120	5179.980	5150 to 5250	Pass
			50	120	5179.920	5150 to 5250	Pass
		5200	20	102	5199.960	5150 to 5250	Pass
				120	5200.000	5150 to 5250	Pass
				138	5200.040	5150 to 5250	Pass
			-30	120	5199.960	5150 to 5250	Pass
			-20	120	5200.000	5150 to 5250	Pass
			-10	120	5200.040	5150 to 5250	Pass
			0	120	5199.960	5150 to 5250	Pass
			10	120	5200.060	5150 to 5250	Pass
			30	120	5199.960	5150 to 5250	Pass
			40	120	5199.880	5150 to 5250	Pass
			50	120	5199.940	5150 to 5250	Pass
		5240	20	102	5240.040	5150 to 5250	Pass
				120	5239.940	5150 to 5250	Pass
				138	5240.000	5150 to 5250	Pass
			-30	120	5239.920	5150 to 5250	Pass
			-20	120	5239.960	5150 to 5250	Pass
			-10	120	5240.040	5150 to 5250	Pass
			0	120	5239.940	5150 to 5250	Pass
			10	120	5239.920	5150 to 5250	Pass
			30	120	5239.980	5150 to 5250	Pass
			40	120	5239.960	5150 to 5250	Pass
			50	120	5239.980	5150 to 5250	Pass
		5745	20	102	5744.980	5725 to 5850	Pass
				120	5745.060	5725 to 5850	Pass
				138	5744.980	5725 to 5850	Pass
			-30	120	5744.960	5725 to 5850	Pass
			-20	120	5744.980	5725 to 5850	Pass
			-10	120	5745.020	5725 to 5850	Pass
			0	120	5744.960	5725 to 5850	Pass
			10	120	5744.980	5725 to 5850	Pass
			30	120	5744.940	5725 to 5850	Pass
			40	120	5745.040	5725 to 5850	Pass
			50	120	5744.940	5725 to 5850	Pass
		5785	20	102	5785.000	5725 to 5850	Pass

802.11n (HT20)	SISO			120	5784.960	5725 to 5850	Pass
				138	5784.980	5725 to 5850	Pass
			-30	120	5784.980	5725 to 5850	Pass
			-20	120	5784.960	5725 to 5850	Pass
			-10	120	5785.000	5725 to 5850	Pass
			0	120	5784.920	5725 to 5850	Pass
			10	120	5785.020	5725 to 5850	Pass
			30	120	5784.960	5725 to 5850	Pass
			40	120	5784.980	5725 to 5850	Pass
			50	120	5784.980	5725 to 5850	Pass
		5825	20	102	5825.000	5725 to 5850	Pass
				120	5824.980	5725 to 5850	Pass
				138	5824.980	5725 to 5850	Pass
			-30	120	5825.020	5725 to 5850	Pass
			-20	120	5824.900	5725 to 5850	Pass
			-10	120	5824.980	5725 to 5850	Pass
			0	120	5824.920	5725 to 5850	Pass
			10	120	5824.960	5725 to 5850	Pass
			30	120	5824.980	5725 to 5850	Pass
			40	120	5824.860	5725 to 5850	Pass
			50	120	5825.040	5725 to 5850	Pass
		5180	20	102	5180.020	5150 to 5250	Pass
				120	5179.980	5150 to 5250	Pass
				138	5180.040	5150 to 5250	Pass
			-30	120	5180.080	5150 to 5250	Pass
			-20	120	5180.020	5150 to 5250	Pass
			-10	120	5180.020	5150 to 5250	Pass
			0	120	5180.040	5150 to 5250	Pass
			10	120	5180.000	5150 to 5250	Pass
			30	120	5180.000	5150 to 5250	Pass
			40	120	5179.980	5150 to 5250	Pass
			50	120	5179.980	5150 to 5250	Pass
		5200	20	102	5200.060	5150 to 5250	Pass
				120	5199.980	5150 to 5250	Pass
				138	5199.980	5150 to 5250	Pass
			-30	120	5200.020	5150 to 5250	Pass
			-20	120	5200.000	5150 to 5250	Pass
			-10	120	5200.040	5150 to 5250	Pass
			0	120	5200.000	5150 to 5250	Pass
			10	120	5200.020	5150 to 5250	Pass
			30	120	5200.060	5150 to 5250	Pass
			40	120	5200.060	5150 to 5250	Pass
			50	120	5200.040	5150 to 5250	Pass
		5240	20	102	5239.960	5150 to 5250	Pass
				120	5240.020	5150 to 5250	Pass
				138	5239.960	5150 to 5250	Pass
			-30	120	5240.000	5150 to 5250	Pass
			-20	120	5240.020	5150 to 5250	Pass
			-10	120	5240.000	5150 to 5250	Pass
			0	120	5239.980	5150 to 5250	Pass
			10	120	5239.960	5150 to 5250	Pass
			30	120	5240.080	5150 to 5250	Pass
			40	120	5240.020	5150 to 5250	Pass
			50	120	5240.000	5150 to 5250	Pass
		5745	20	102	5744.960	5725 to 5850	Pass
				120	5744.960	5725 to 5850	Pass
				138	5745.060	5725 to 5850	Pass
			-30	120	5744.900	5725 to 5850	Pass

			-20	120	5744.940	5725 to 5850	Pass
			-10	120	5745.000	5725 to 5850	Pass
			0	120	5745.000	5725 to 5850	Pass
			10	120	5745.060	5725 to 5850	Pass
			30	120	5745.000	5725 to 5850	Pass
			40	120	5744.960	5725 to 5850	Pass
			50	120	5744.960	5725 to 5850	Pass
		5785	20	102	5785.020	5725 to 5850	Pass
				120	5784.980	5725 to 5850	Pass
				138	5784.980	5725 to 5850	Pass
			-30	120	5785.000	5725 to 5850	Pass
			-20	120	5784.980	5725 to 5850	Pass
			-10	120	5785.000	5725 to 5850	Pass
			0	120	5785.020	5725 to 5850	Pass
			10	120	5784.960	5725 to 5850	Pass
			30	120	5785.000	5725 to 5850	Pass
			40	120	5785.000	5725 to 5850	Pass
			50	120	5784.980	5725 to 5850	Pass
		5825	20	102	5825.000	5725 to 5850	Pass
				120	5824.960	5725 to 5850	Pass
				138	5824.940	5725 to 5850	Pass
			-30	120	5825.040	5725 to 5850	Pass
			-20	120	5825.020	5725 to 5850	Pass
			-10	120	5825.040	5725 to 5850	Pass
			0	120	5824.980	5725 to 5850	Pass
			10	120	5824.920	5725 to 5850	Pass
			30	120	5825.020	5725 to 5850	Pass
			40	120	5824.940	5725 to 5850	Pass
			50	120	5825.040	5725 to 5850	Pass
802.11n (HT40)	SISO	5190	20	102	5190.000	5150 to 5250	Pass
				120	5190.040	5150 to 5250	Pass
				138	5190.040	5150 to 5250	Pass
			-30	120	5190.000	5150 to 5250	Pass
			-20	120	5190.040	5150 to 5250	Pass
			-10	120	5190.040	5150 to 5250	Pass
			0	120	5190.000	5150 to 5250	Pass
			10	120	5190.000	5150 to 5250	Pass
			30	120	5190.000	5150 to 5250	Pass
			40	120	5190.120	5150 to 5250	Pass
			50	120	5190.040	5150 to 5250	Pass
		5230	20	102	5230.000	5150 to 5250	Pass
				120	5229.960	5150 to 5250	Pass
				138	5230.000	5150 to 5250	Pass
			-30	120	5230.040	5150 to 5250	Pass
			-20	120	5230.000	5150 to 5250	Pass
			-10	120	5230.040	5150 to 5250	Pass
			0	120	5229.960	5150 to 5250	Pass
			10	120	5230.040	5150 to 5250	Pass
			30	120	5230.080	5150 to 5250	Pass
			40	120	5230.000	5150 to 5250	Pass
			50	120	5230.000	5150 to 5250	Pass
		5755	20	102	5755.000	5725 to 5850	Pass
				120	5755.000	5725 to 5850	Pass
				138	5755.000	5725 to 5850	Pass
			-30	120	5755.000	5725 to 5850	Pass
			-20	120	5755.000	5725 to 5850	Pass
			-10	120	5754.960	5725 to 5850	Pass
			0	120	5754.960	5725 to 5850	Pass

			10	120	5754.960	5725 to 5850	Pass
			30	120	5755.000	5725 to 5850	Pass
			40	120	5755.000	5725 to 5850	Pass
			50	120	5755.080	5725 to 5850	Pass
		5795	20	102	5795.000	5725 to 5850	Pass
				120	5795.000	5725 to 5850	Pass
				138	5794.960	5725 to 5850	Pass
			-30	120	5795.000	5725 to 5850	Pass
			-20	120	5795.000	5725 to 5850	Pass
			-10	120	5795.000	5725 to 5850	Pass
			0	120	5795.000	5725 to 5850	Pass
			10	120	5795.000	5725 to 5850	Pass
			30	120	5795.000	5725 to 5850	Pass
			40	120	5795.000	5725 to 5850	Pass
			50	120	5795.000	5725 to 5850	Pass
802.11ac (VHT20)	SISO	5180	20	102	5179.980	5150 to 5250	Pass
				120	5180.000	5150 to 5250	Pass
				138	5180.000	5150 to 5250	Pass
			-30	120	5179.960	5150 to 5250	Pass
			-20	120	5180.000	5150 to 5250	Pass
			-10	120	5180.040	5150 to 5250	Pass
			0	120	5180.040	5150 to 5250	Pass
			10	120	5180.000	5150 to 5250	Pass
			30	120	5180.020	5150 to 5250	Pass
			40	120	5180.000	5150 to 5250	Pass
			50	120	5179.980	5150 to 5250	Pass
		5200	20	102	5200.020	5150 to 5250	Pass
				120	5199.980	5150 to 5250	Pass
				138	5200.000	5150 to 5250	Pass
			-30	120	5200.040	5150 to 5250	Pass
			-20	120	5199.960	5150 to 5250	Pass
			-10	120	5199.980	5150 to 5250	Pass
			0	120	5199.920	5150 to 5250	Pass
			10	120	5200.020	5150 to 5250	Pass
			30	120	5199.920	5150 to 5250	Pass
			40	120	5199.960	5150 to 5250	Pass
			50	120	5200.000	5150 to 5250	Pass
		5240	20	102	5240.020	5150 to 5250	Pass
				120	5240.000	5150 to 5250	Pass
				138	5240.000	5150 to 5250	Pass
			-30	120	5239.960	5150 to 5250	Pass
			-20	120	5239.960	5150 to 5250	Pass
			-10	120	5239.980	5150 to 5250	Pass
			0	120	5239.980	5150 to 5250	Pass
			10	120	5240.000	5150 to 5250	Pass
			30	120	5239.980	5150 to 5250	Pass
			40	120	5239.980	5150 to 5250	Pass
			50	120	5240.040	5150 to 5250	Pass
		5745	20	102	5744.980	5725 to 5850	Pass
				120	5744.980	5725 to 5850	Pass
				138	5744.980	5725 to 5850	Pass
			-30	120	5744.980	5725 to 5850	Pass
			-20	120	5744.980	5725 to 5850	Pass
			-10	120	5744.980	5725 to 5850	Pass
			0	120	5744.980	5725 to 5850	Pass
			10	120	5744.980	5725 to 5850	Pass
			30	120	5744.980	5725 to 5850	Pass
			40	120	5744.980	5725 to 5850	Pass

		5785	50	120	5744.980	5725 to 5850	Pass
			20	102	5784.980	5725 to 5850	Pass
				120	5784.980	5725 to 5850	Pass
				138	5784.980	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	5784.980	5725 to 5850	Pass
			30	120	5784.980	5725 to 5850	Pass
			40	120	5784.980	5725 to 5850	Pass
		5825	50	120	5784.980	5725 to 5850	Pass
			20	102	5824.980	5725 to 5850	Pass
				120	5824.980	5725 to 5850	Pass
				138	5824.980	5725 to 5850	Pass
			-30	120	5824.980	5725 to 5850	Pass
			-20	120	5824.980	5725 to 5850	Pass
			-10	120	5824.980	5725 to 5850	Pass
			0	120	5824.980	5725 to 5850	Pass
			10	120	5824.980	5725 to 5850	Pass
			30	120	5824.980	5725 to 5850	Pass
			40	120	5824.980	5725 to 5850	Pass
802.11ac (VHT40)	SISO	5190	20	102	5190.000	5150 to 5250	Pass
				120	5190.040	5150 to 5250	Pass
				138	5190.040	5150 to 5250	Pass
			-30	120	5190.040	5150 to 5250	Pass
			-20	120	5190.000	5150 to 5250	Pass
			-10	120	5190.040	5150 to 5250	Pass
			0	120	5190.040	5150 to 5250	Pass
			10	120	5190.040	5150 to 5250	Pass
			30	120	5190.000	5150 to 5250	Pass
			40	120	5190.000	5150 to 5250	Pass
			50	120	5190.000	5150 to 5250	Pass
		5230	20	102	5230.000	5150 to 5250	Pass
				120	5230.040	5150 to 5250	Pass
				138	5230.000	5150 to 5250	Pass
			-30	120	5230.000	5150 to 5250	Pass
			-20	120	5230.000	5150 to 5250	Pass
			-10	120	5230.000	5150 to 5250	Pass
			0	120	5229.960	5150 to 5250	Pass
			10	120	5229.960	5150 to 5250	Pass
			30	120	5229.960	5150 to 5250	Pass
			40	120	5230.040	5150 to 5250	Pass
			50	120	5230.000	5150 to 5250	Pass
		5755	20	102	5755.040	5725 to 5850	Pass
				120	5755.040	5725 to 5850	Pass
				138	5754.960	5725 to 5850	Pass
			-30	120	5755.000	5725 to 5850	Pass
			-20	120	5755.000	5725 to 5850	Pass
			-10	120	5755.000	5725 to 5850	Pass
			0	120	5755.040	5725 to 5850	Pass
			10	120	5755.000	5725 to 5850	Pass
			30	120	5755.040	5725 to 5850	Pass
			40	120	5755.040	5725 to 5850	Pass
			50	120	5755.000	5725 to 5850	Pass
		5795	20	102	5795.000	5725 to 5850	Pass
				120	5795.040	5725 to 5850	Pass

				138	5795.040	5725 to 5850	Pass
			-30	120	5795.040	5725 to 5850	Pass
			-20	120	5795.000	5725 to 5850	Pass
			-10	120	5795.040	5725 to 5850	Pass
			0	120	5795.040	5725 to 5850	Pass
			10	120	5795.040	5725 to 5850	Pass
			30	120	5795.040	5725 to 5850	Pass
			40	120	5794.960	5725 to 5850	Pass
			50	120	5795.080	5725 to 5850	Pass

6. Form731

6.1 Form731

6.1.1 Test Result

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
5180	5240	0.0181	12.57
5745	5825	0.0202	13.05
5190	5230	0.0184	12.65
5755	5795	0.0210	13.22



BTF Testing Lab (Shenzhen) Co., Ltd.

F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street,
Bao'an District, Shenzhen, China

www.btf-lab.com

-- END OF REPORT --