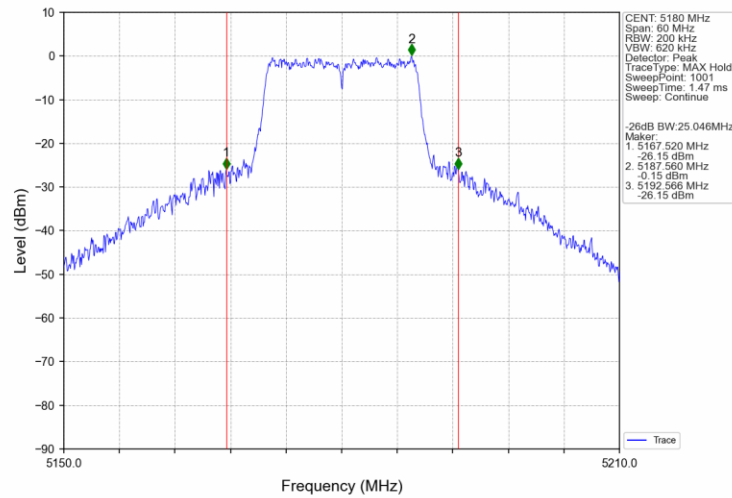
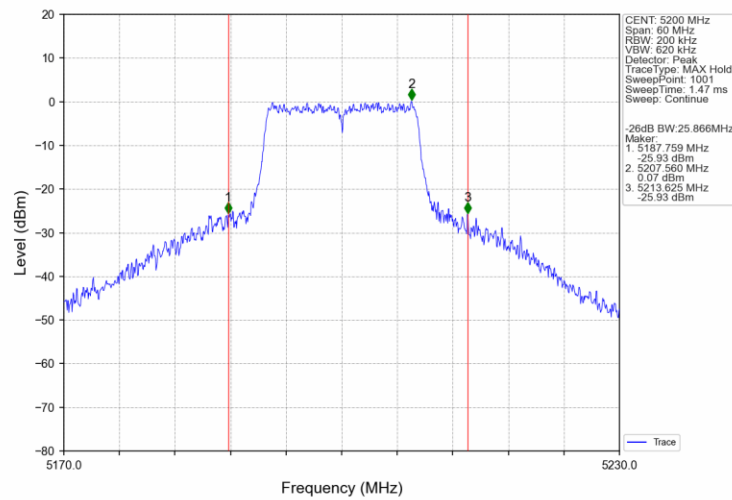


2.2.3 26dB BW

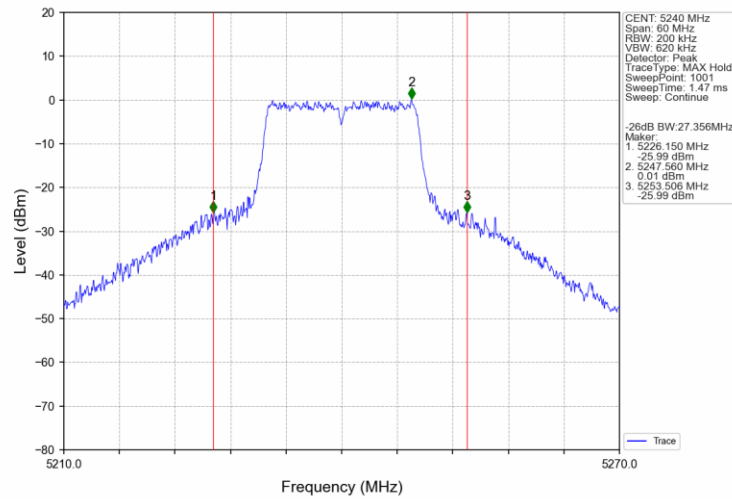
802.11a LCH 5180MHz Ant1 NTN



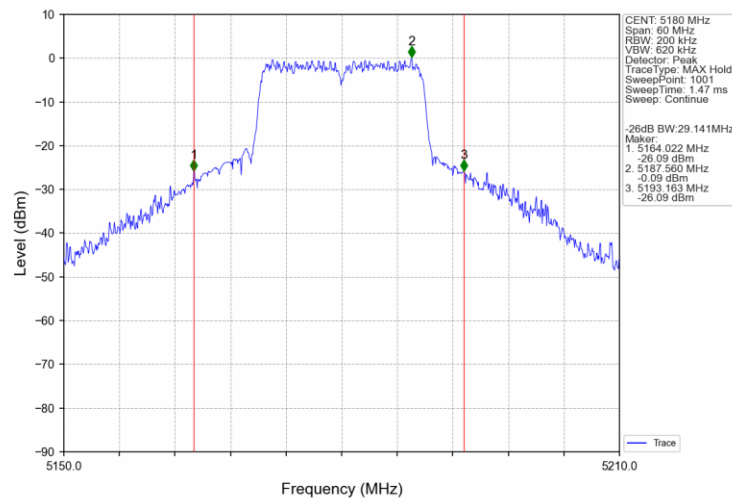
802.11a MCH 5200MHz Ant1 NTN



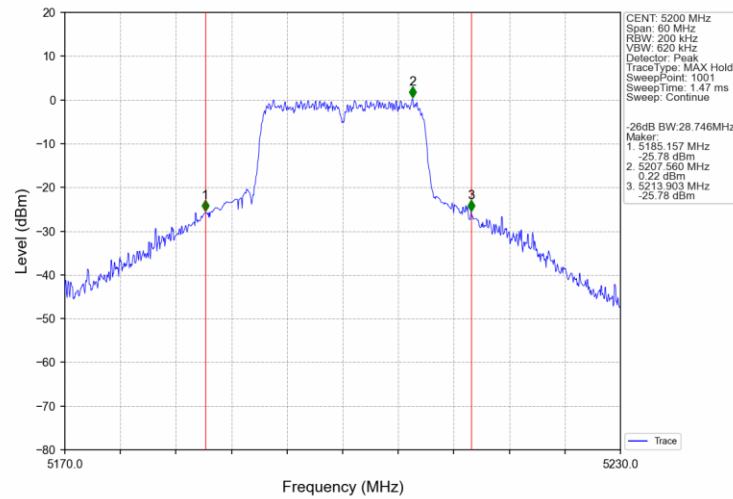
802.11a HCH 5240MHz Ant1 NTNv



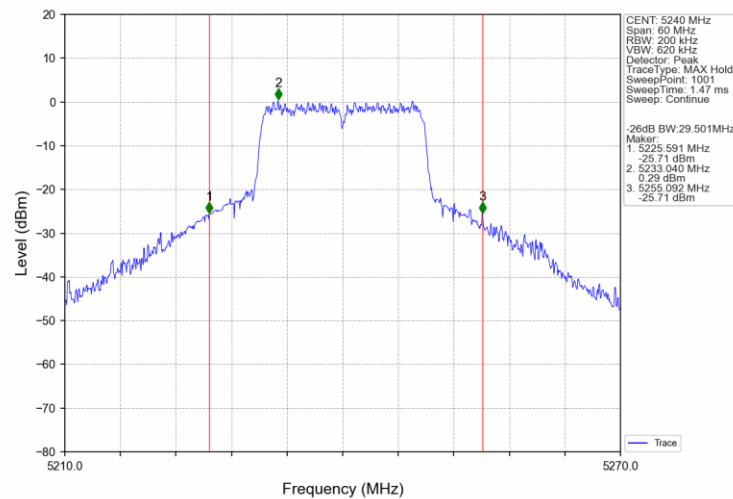
802.11n(HT20)_LCH 5180MHz Ant1 NTNv



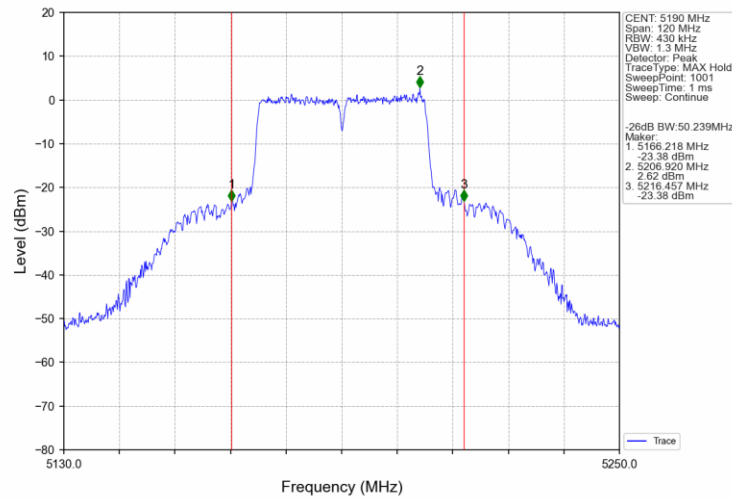
802.11n(HT20) MCH 5200MHz Ant1 NTNV



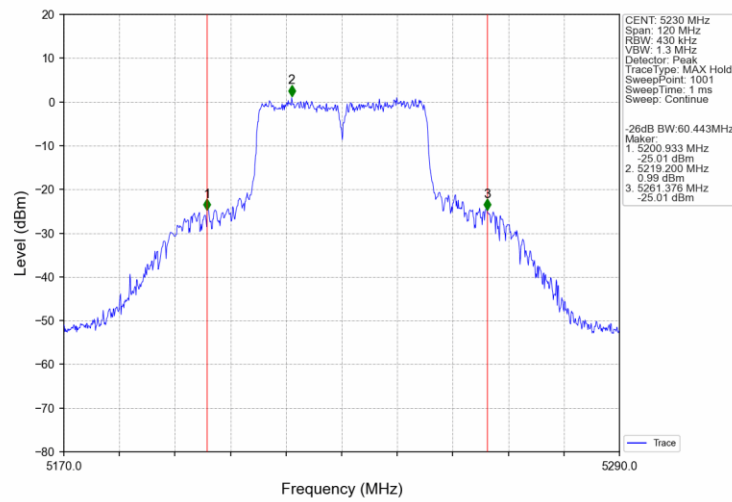
802.11n(HT20) HCH 5240MHz Ant1 NTNV



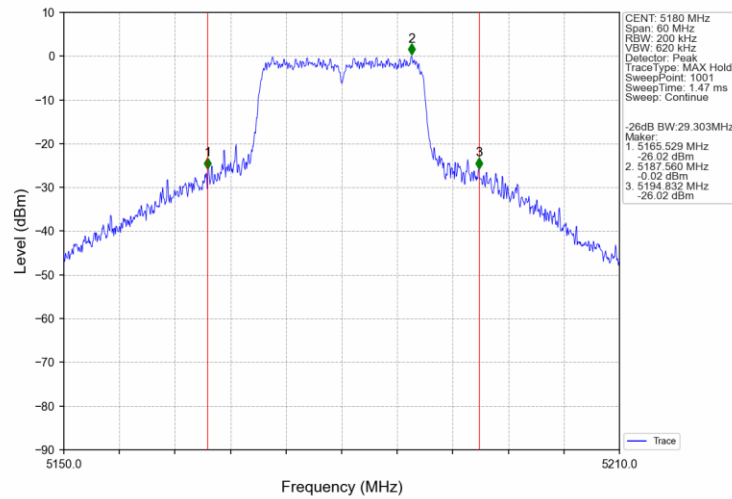
802.11n(HT40) LCH 5190MHz Ant1 NTN



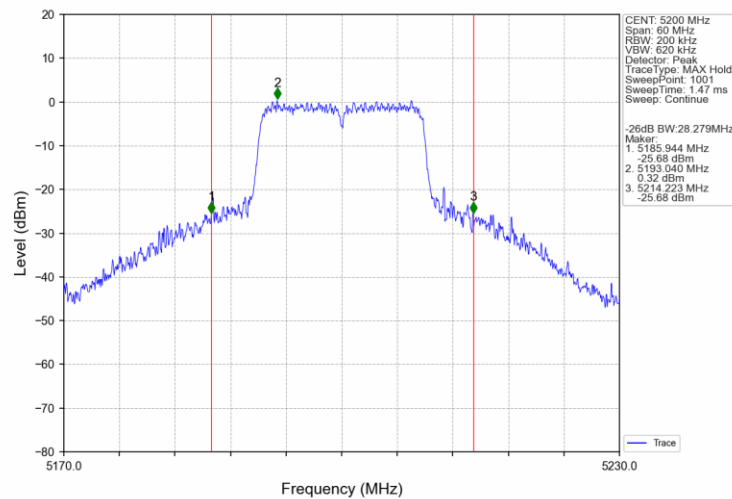
802.11n(HT40) HCH 5230MHz Ant1 NTN



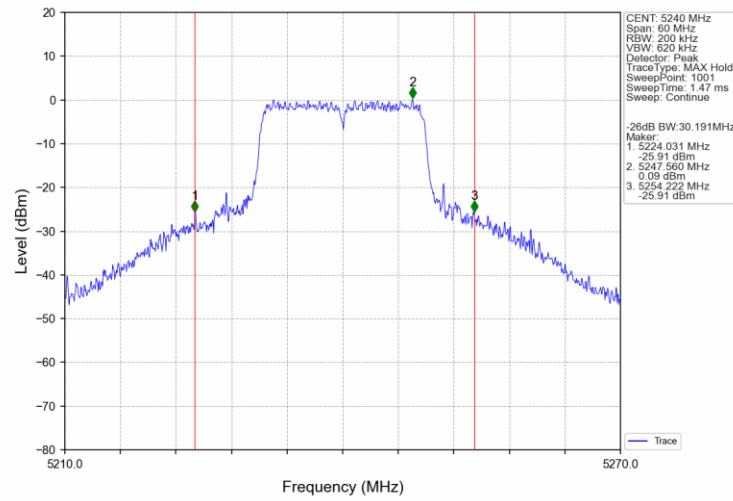
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



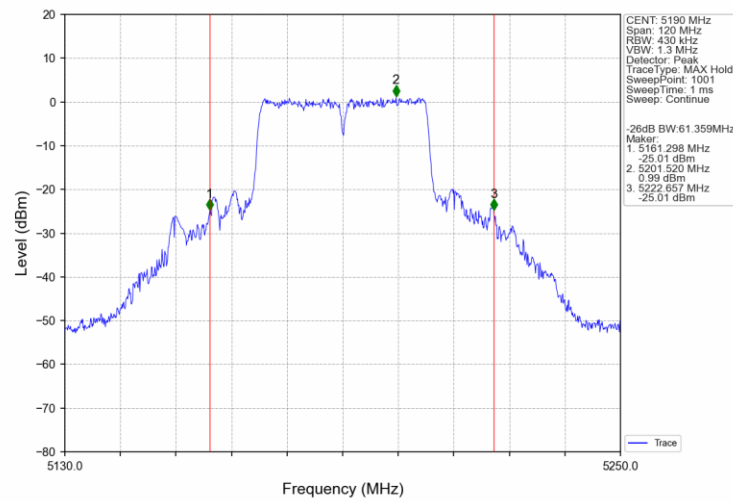
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



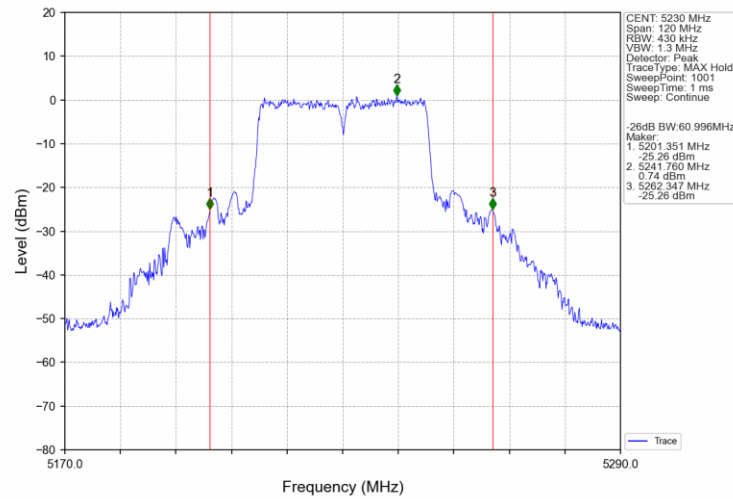
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



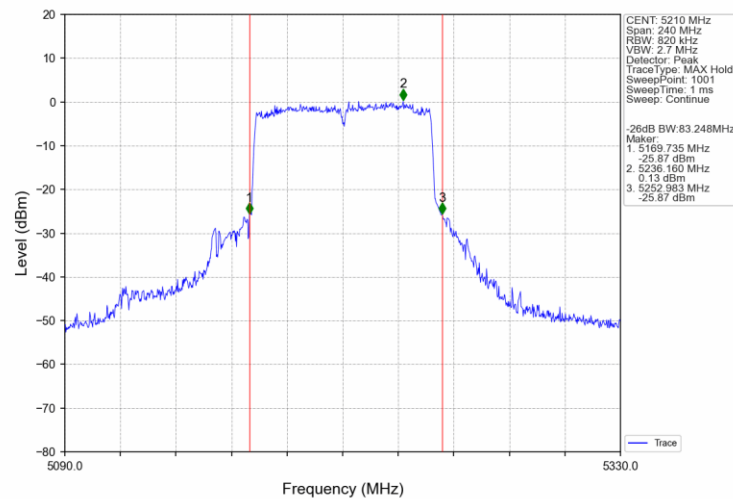
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



802.11ac(VHT40) HCH 5230MHz Ant1 NTN



802.11ac(VHT80) MCH 5210MHz Ant1 NTN



3. Maximum Conducted Output Power

3.1 Test Result

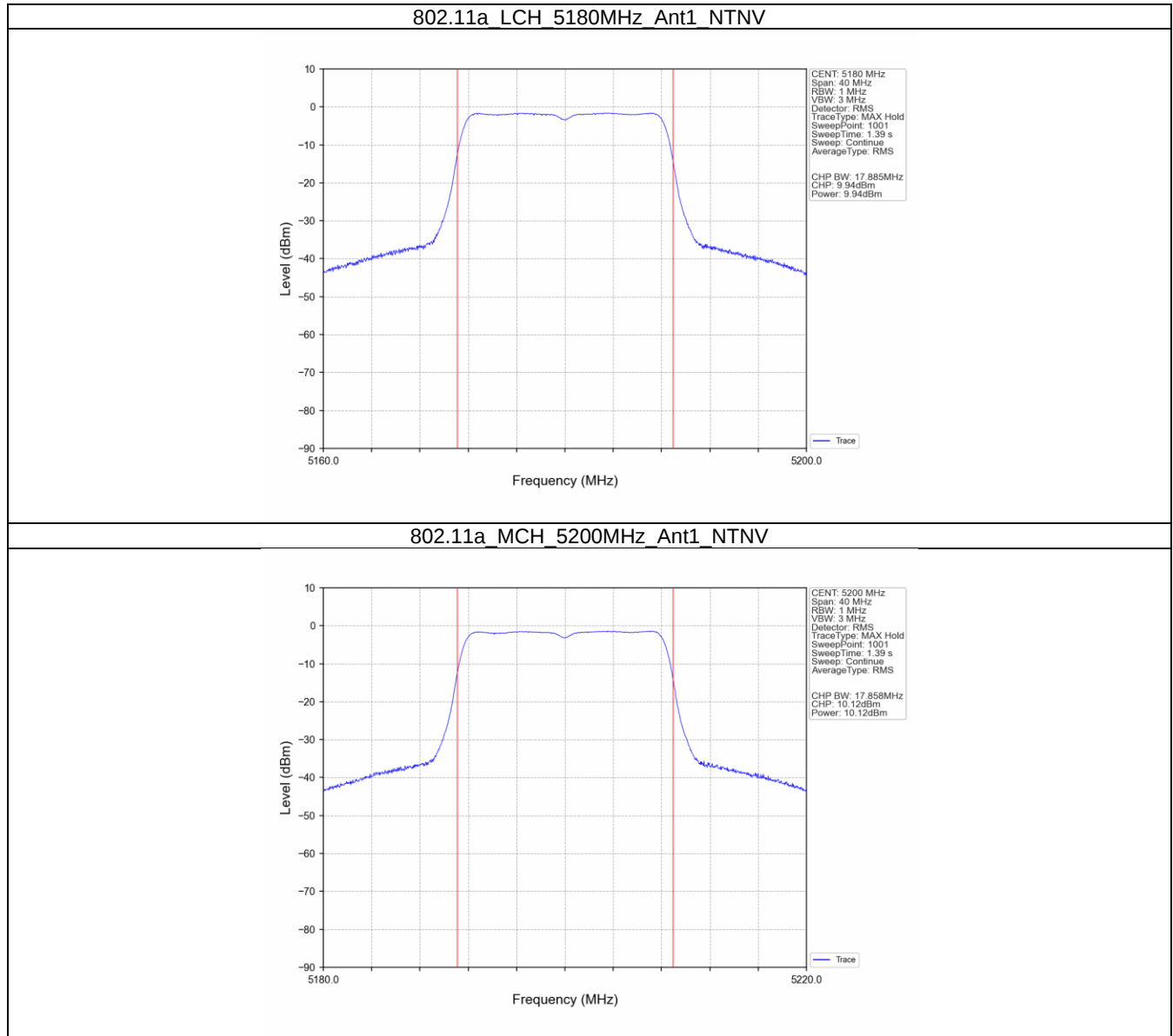
3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	9.94	<=23.98	Pass
		5200	10.12	<=23.98	Pass
		5240	10.09	<=23.98	Pass
		5745	11.38	<=30	Pass
		5785	10.60	<=30	Pass
		5825	11.12	<=30	Pass
802.11n (HT20)	SISO	5180	9.94	<=23.98	Pass
		5200	10.29	<=23.98	Pass
		5240	10.30	<=23.98	Pass
		5745	11.63	<=30	Pass
		5785	10.74	<=30	Pass
		5825	11.35	<=30	Pass
802.11n (HT40)	SISO	5190	11.01	<=23.98	Pass
		5230	10.50	<=23.98	Pass
		5755	11.95	<=30	Pass
		5795	11.59	<=30	Pass
802.11ac (VHT20)	SISO	5180	9.97	<=23.98	Pass
		5200	10.28	<=23.98	Pass
		5240	10.24	<=23.98	Pass
		5745	11.49	<=30	Pass
		5785	10.61	<=30	Pass
		5825	10.87	<=30	Pass
802.11ac (VHT40)	SISO	5190	10.93	<=23.98	Pass
		5230	10.33	<=23.98	Pass
		5755	11.81	<=30	Pass
		5795	11.46	<=30	Pass
802.11ac (VHT80)	SISO	5210	9.97	<=23.98	Pass
		5775	11.17	<=30	Pass

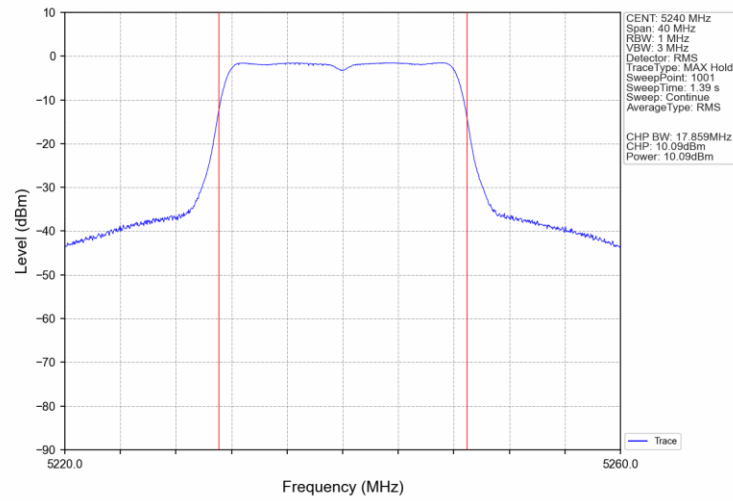
Note1: Antenna Gain: Ant1: 1.05dBi;

3.2 Test Graph

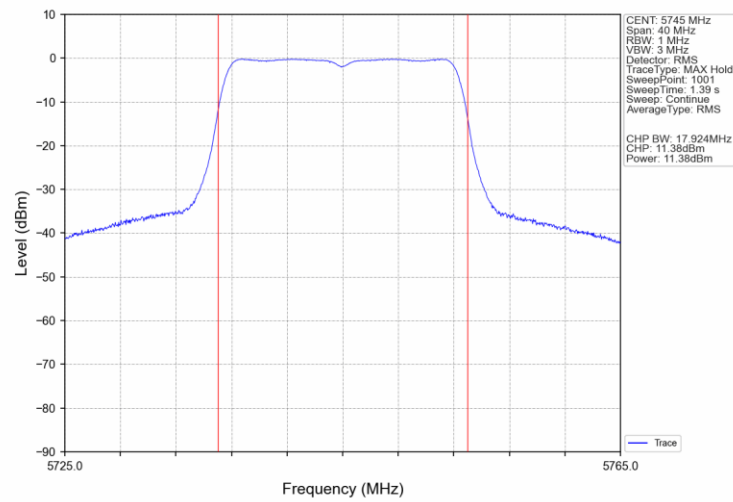
3.2.1 Power



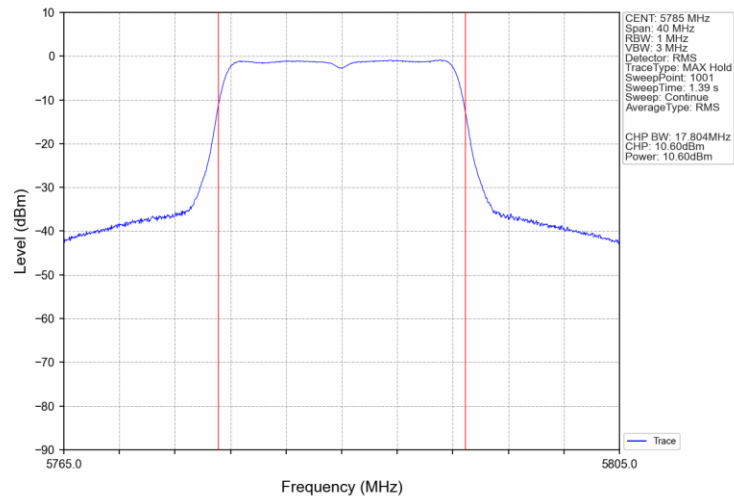
802.11a_HCH_5240MHz_Ant1_NTNV



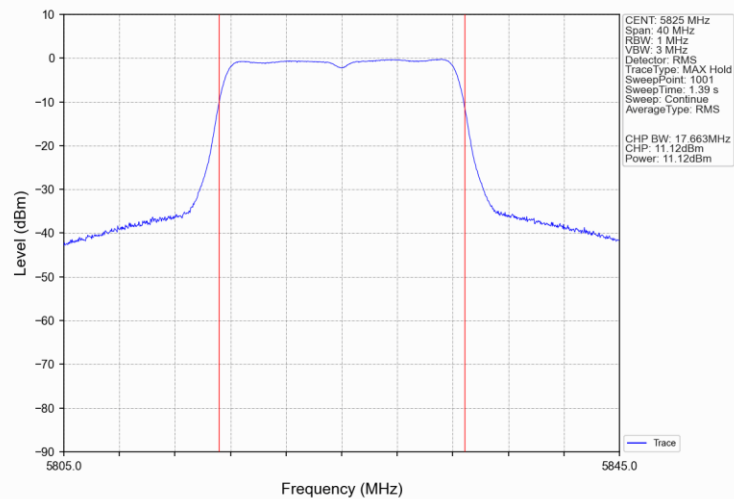
802.11a_LCH_5745MHz_Ant1_NTNV



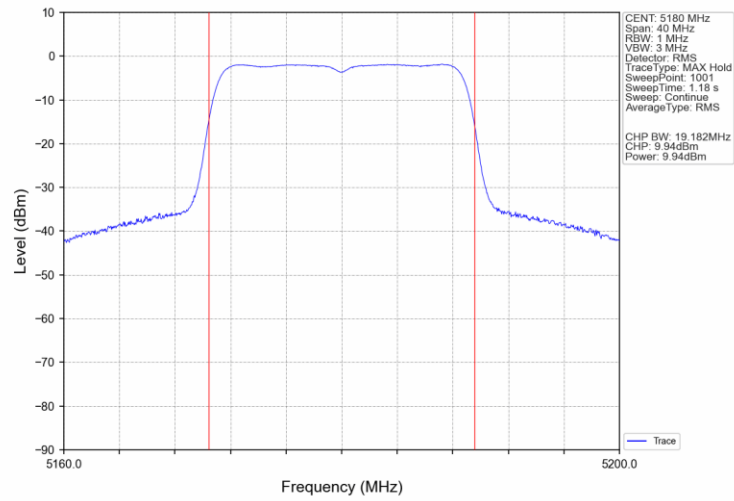
802.11a_MCH_5785MHz_Ant1_NTNV



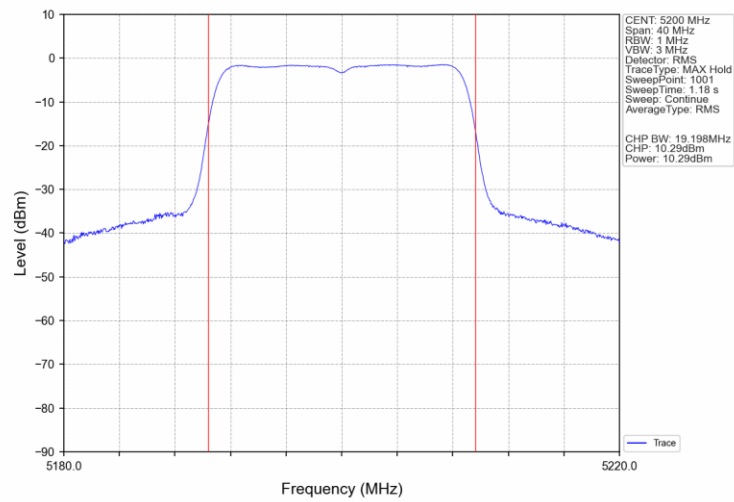
802.11a_HCH_5825MHz_Ant1_NTNV



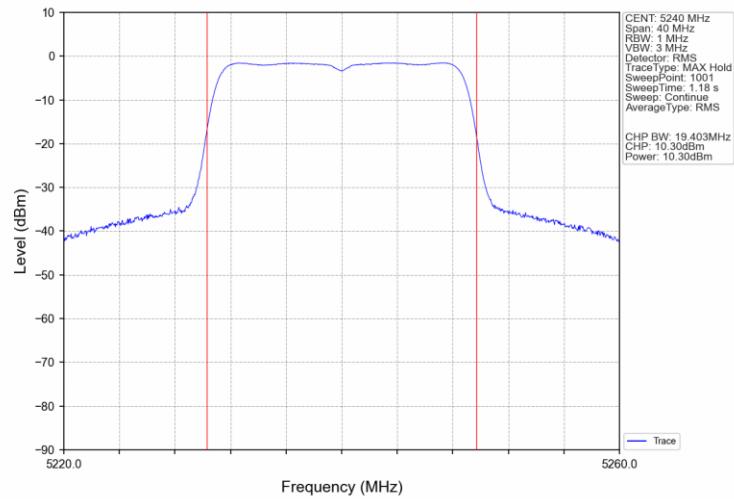
802.11n(HT20) LCH 5180MHz Ant1 NTN



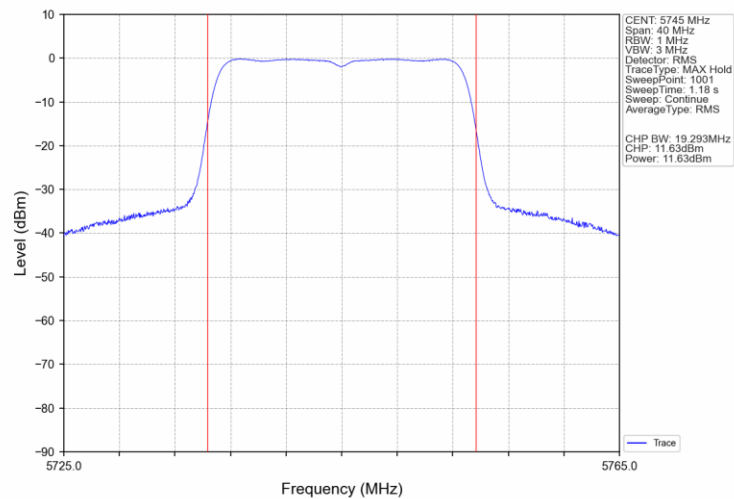
802.11n(HT20) MCH 5200MHz Ant1 NTN



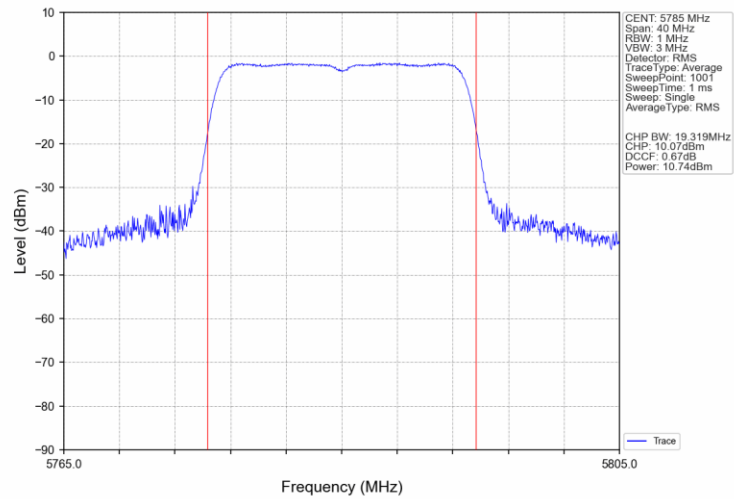
802.11n(HT20) HCH 5240MHz Ant1 NTNv



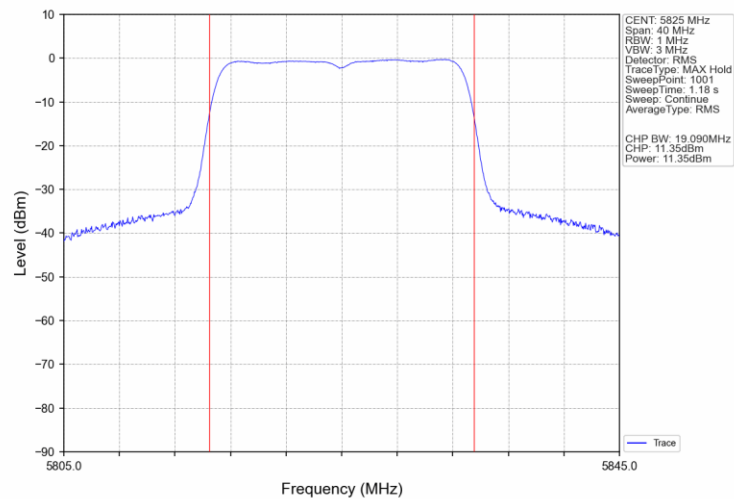
802.11n(HT20) LCH 5745MHz Ant1 NTNv



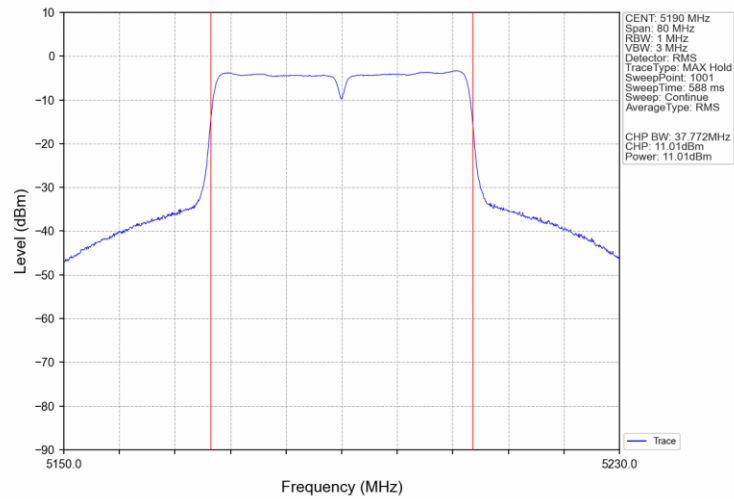
802.11n(HT20) MCH 5785MHz Ant1 NTV



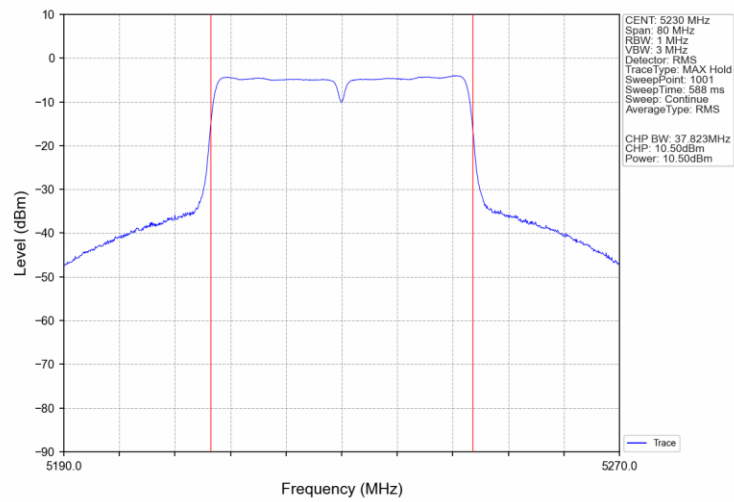
802.11n(HT20) HCH 5825MHz Ant1 NTV



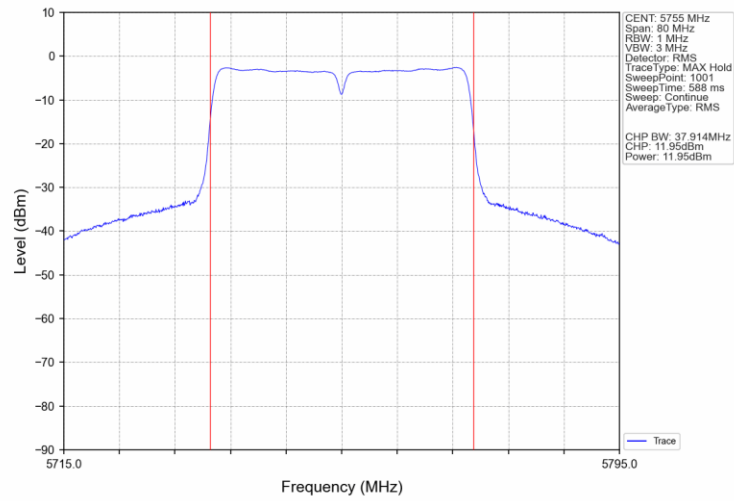
802.11n(HT40) LCH 5190MHz Ant1 NTN



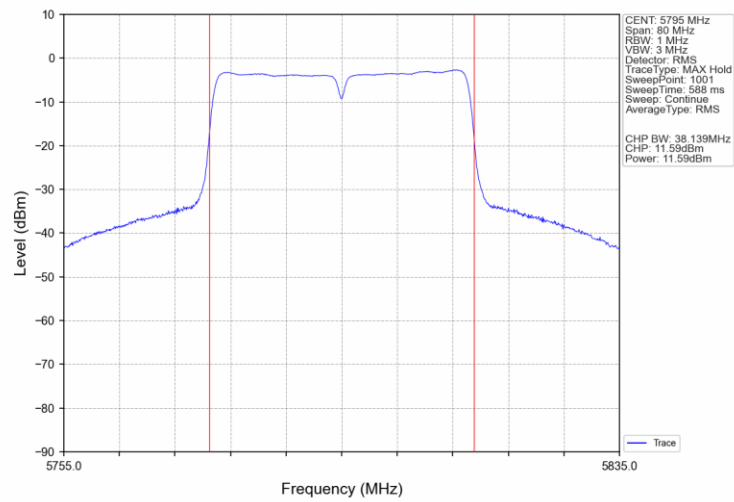
802.11n(HT40) HCH 5230MHz Ant1 NTN



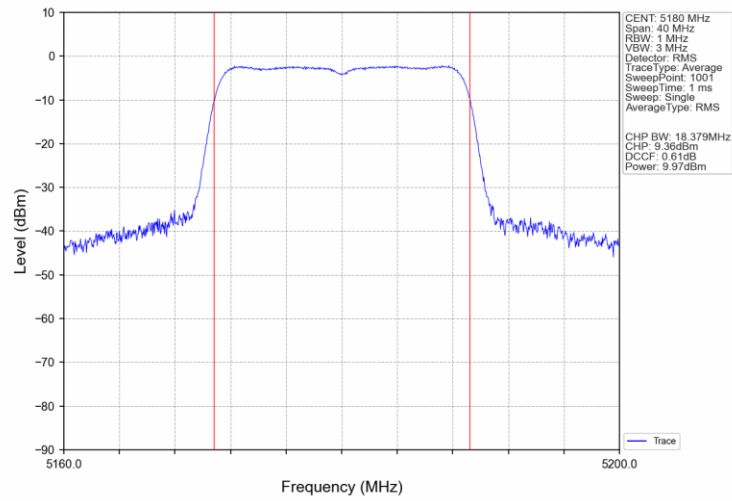
802.11n(HT40) LCH 5755MHz Ant1 NTN



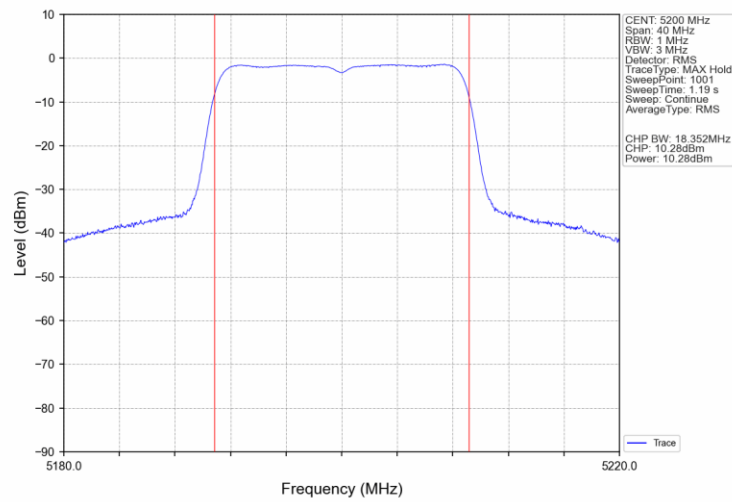
802.11n(HT40) HCH 5795MHz Ant1 NTN



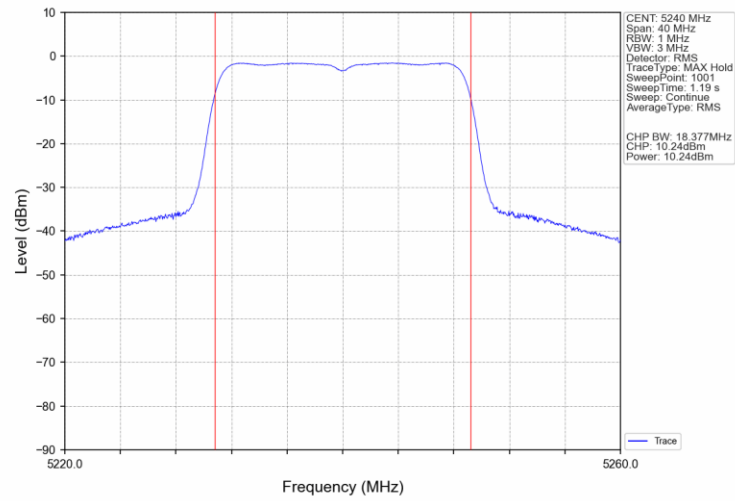
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



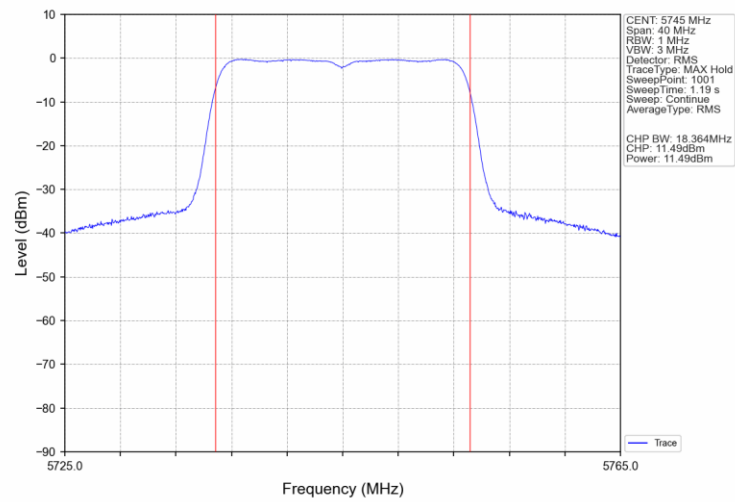
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



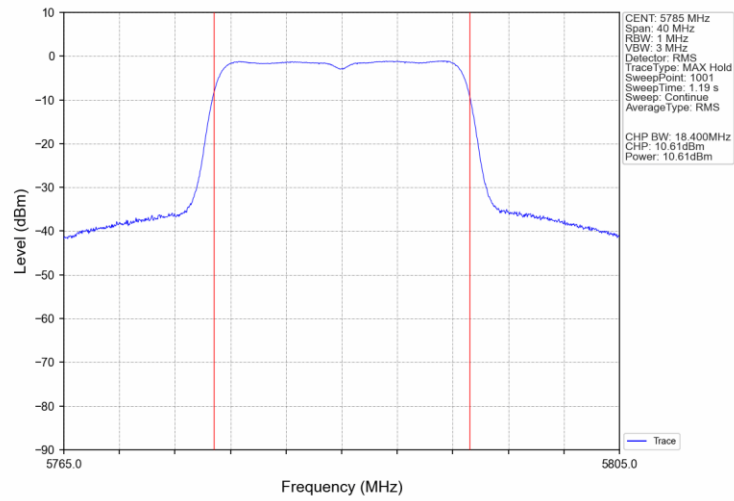
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



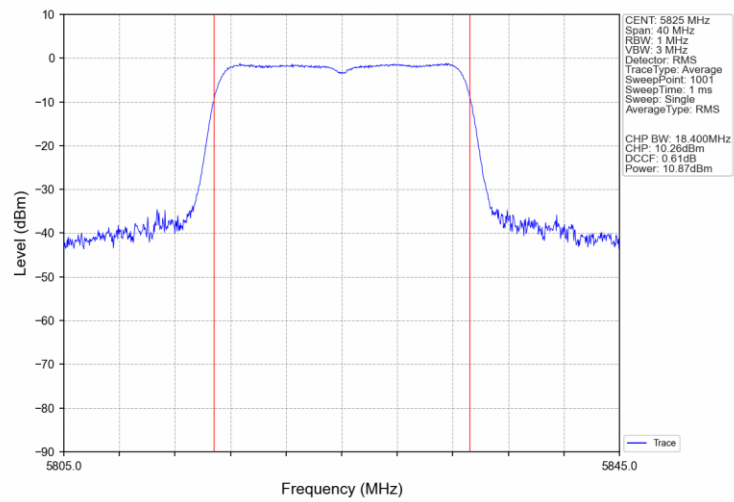
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



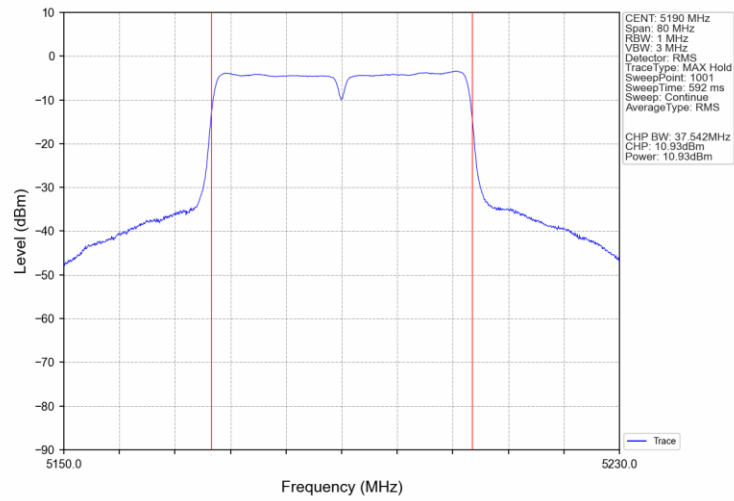
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



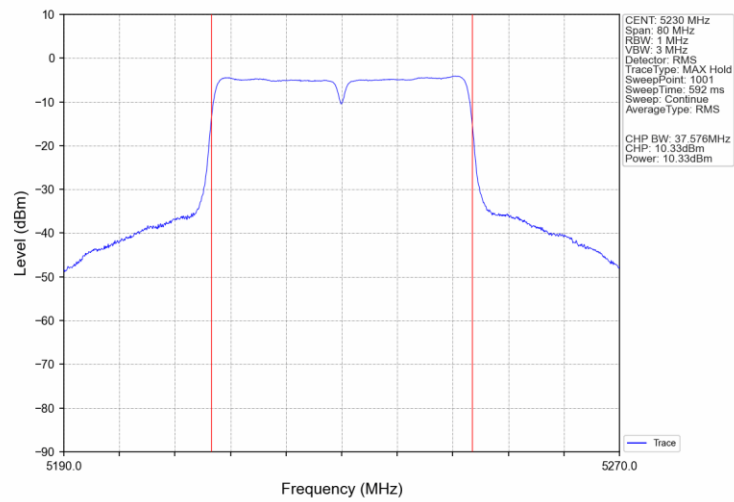
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



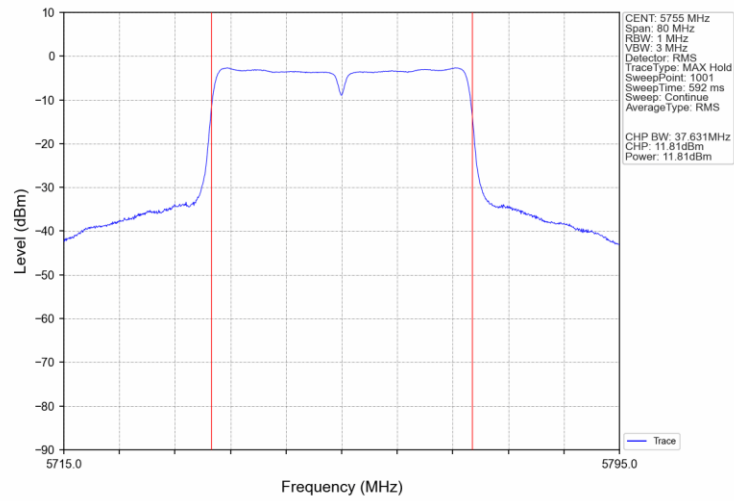
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



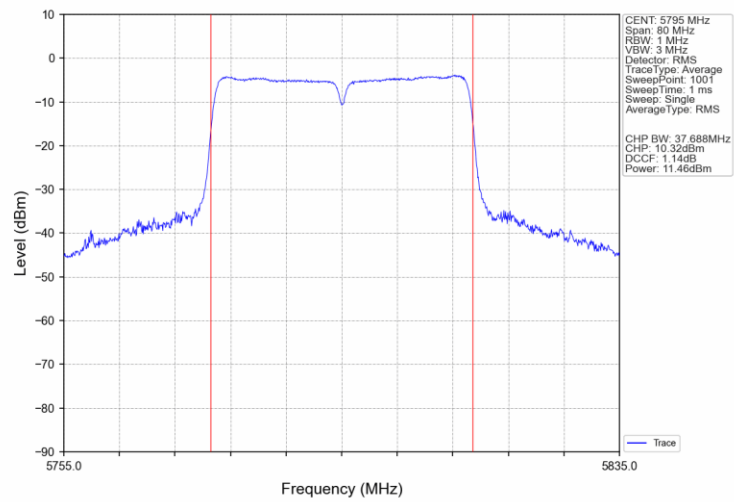
802.11ac(VHT40) HCH 5230MHz Ant1 NTN



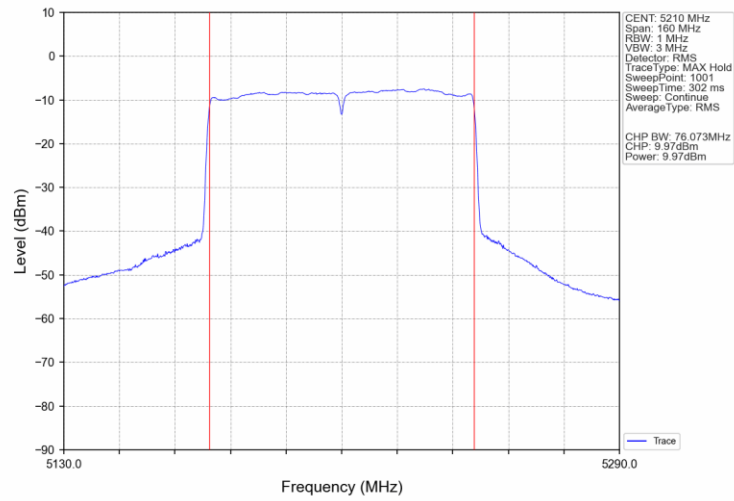
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



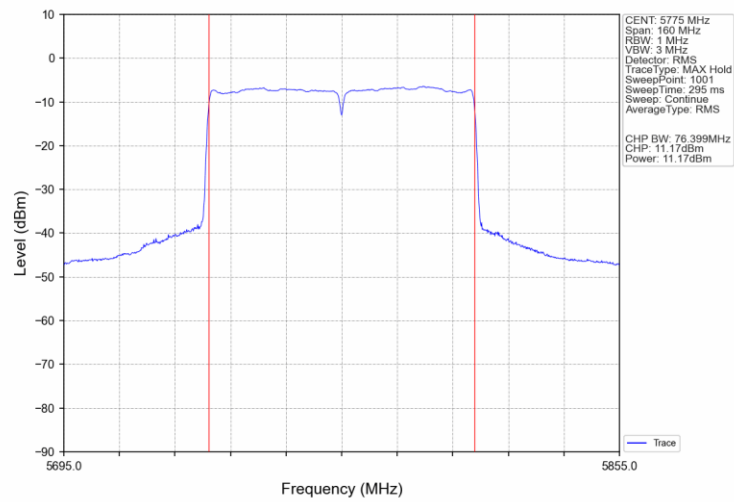
802.11ac(VHT40) HCH 5795MHz Ant1 NTN



802.11ac(VHT80) MCH 5210MHz Ant1 NTN



802.11ac(VHT80) MCH 5775MHz Ant1 NTN



4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	-1.67	<=11	Pass
		5200	-1.38	<=11	Pass
		5240	-1.44	<=11	Pass
802.11n (HT20)	SISO	5180	-1.83	<=11	Pass
		5200	-1.40	<=11	Pass
		5240	-1.50	<=11	Pass
802.11n (HT40)	SISO	5190	-3.33	<=11	Pass
		5230	-3.97	<=11	Pass
802.11ac (VHT20)	SISO	5180	-1.55	<=11	Pass
		5200	-1.43	<=11	Pass
		5240	-1.49	<=11	Pass
802.11ac (VHT40)	SISO	5190	-3.39	<=11	Pass
		5230	-4.04	<=11	Pass
802.11ac (VHT80)	SISO	5210	-7.49	<=11	Pass

Note1: Antenna Gain: Ant1: 1.05dBi;

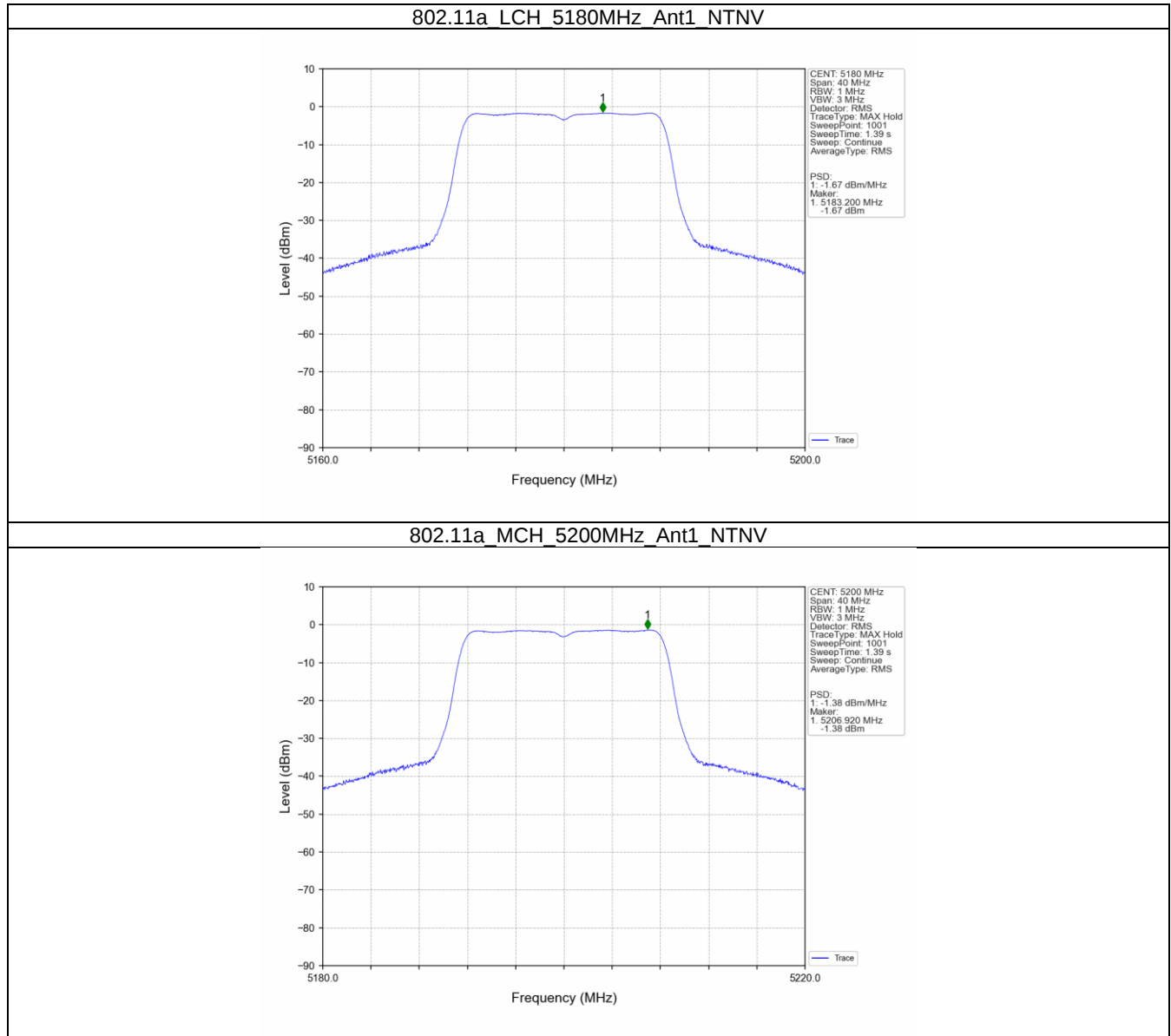
4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-2.90	<=30	Pass
		5785	-3.63	<=30	Pass
		5825	-2.94	<=30	Pass
802.11n (HT20)	SISO	5745	-2.88	<=30	Pass
		5785	-3.43	<=30	Pass
		5825	-2.89	<=30	Pass
802.11n (HT40)	SISO	5755	-5.12	<=30	Pass
		5795	-5.34	<=30	Pass
802.11ac (VHT20)	SISO	5745	-3.01	<=30	Pass
		5785	-3.76	<=30	Pass
		5825	-2.94	<=30	Pass
802.11ac (VHT40)	SISO	5755	-5.28	<=30	Pass
		5795	-5.59	<=30	Pass
802.11ac (VHT80)	SISO	5775	-8.78	<=30	Pass

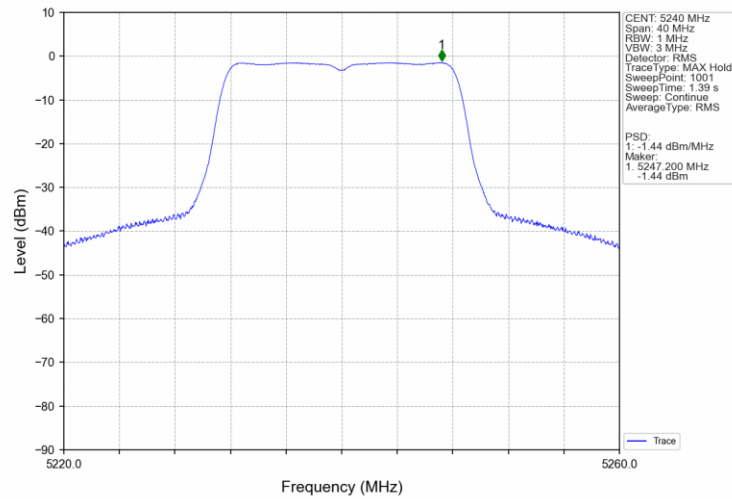
Note1: Antenna Gain: Ant1: 1.05dBi;

4.2 Test Graph

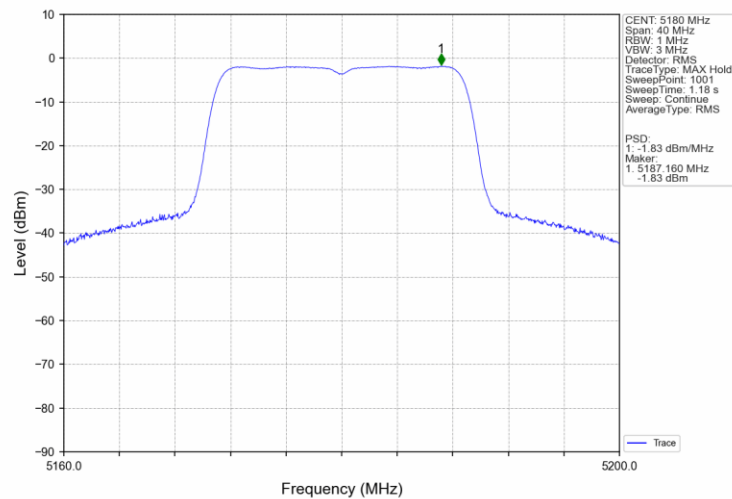
4.2.1 PSD



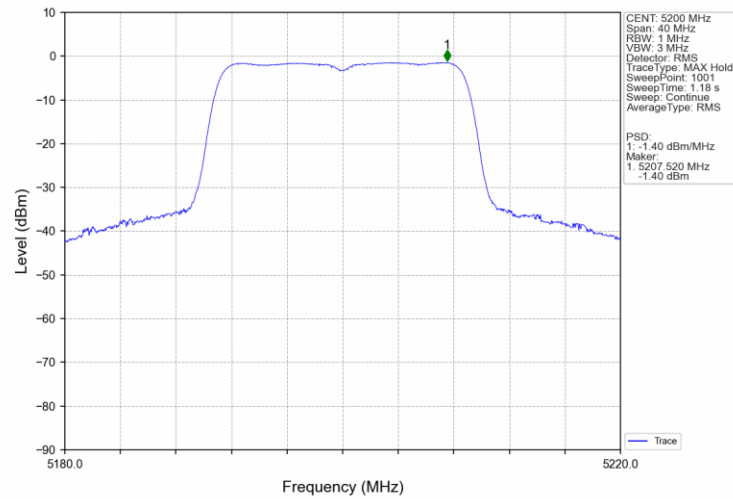
802.11a HCH 5240MHz Ant1 NTN



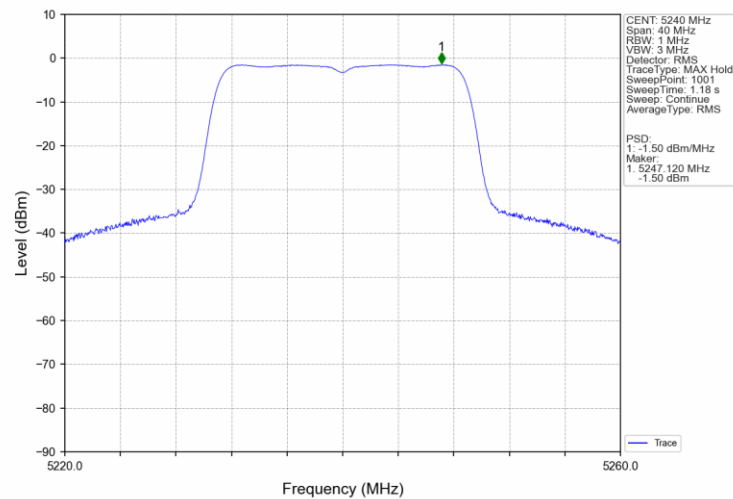
802.11n(HT20)_LCH_5180MHz_Ant1_NTN



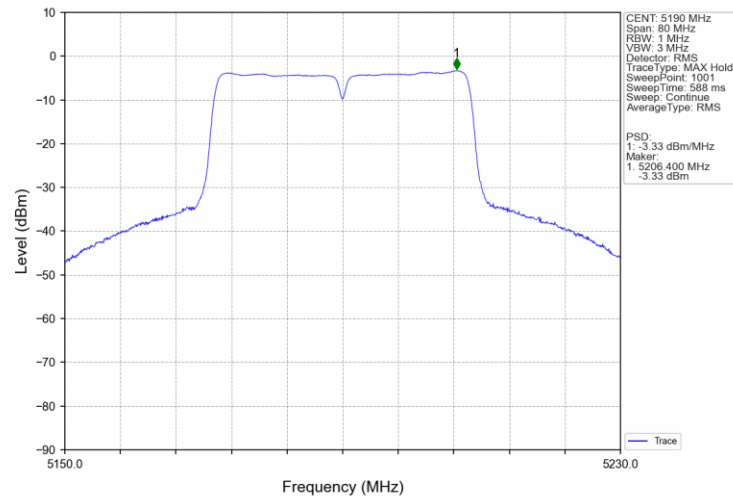
802.11n(HT20) MCH 5200MHz Ant1 NTNv



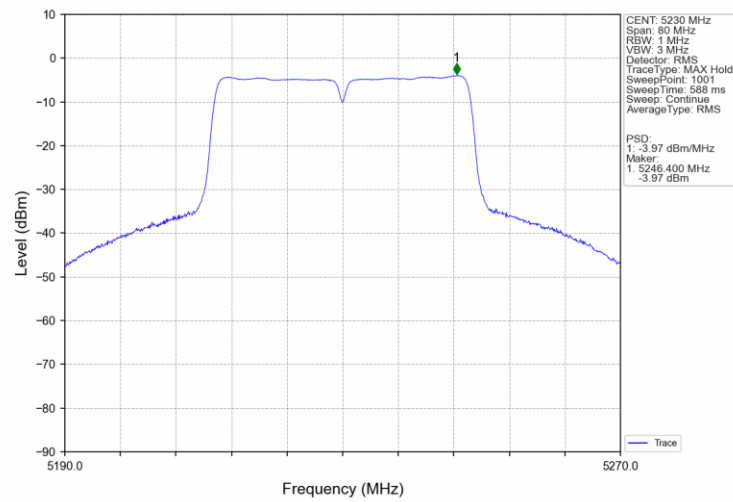
802.11n(HT20) HCH 5240MHz Ant1 NTNv



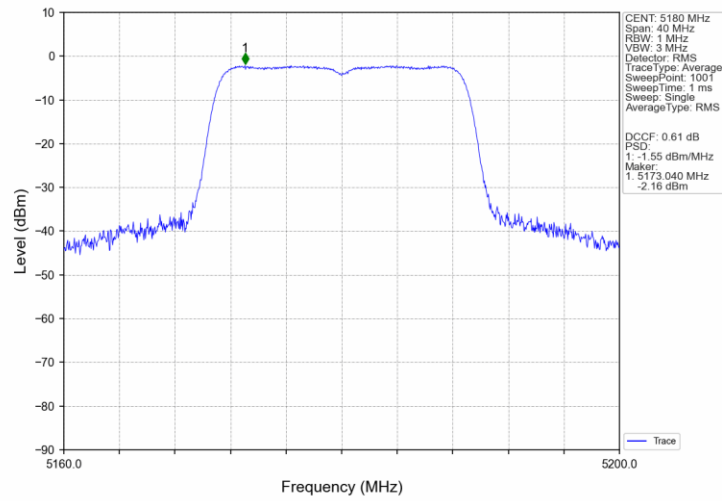
802.11n(HT40) LCH 5190MHz Ant1 NTN



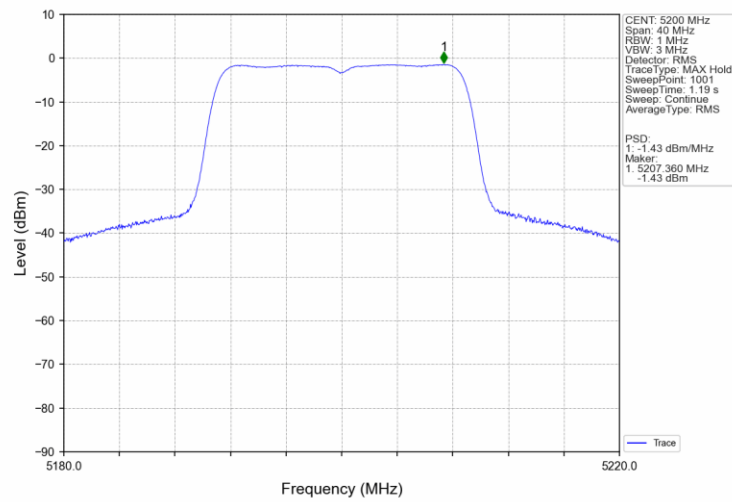
802.11n(HT40) HCH 5230MHz Ant1 NTN



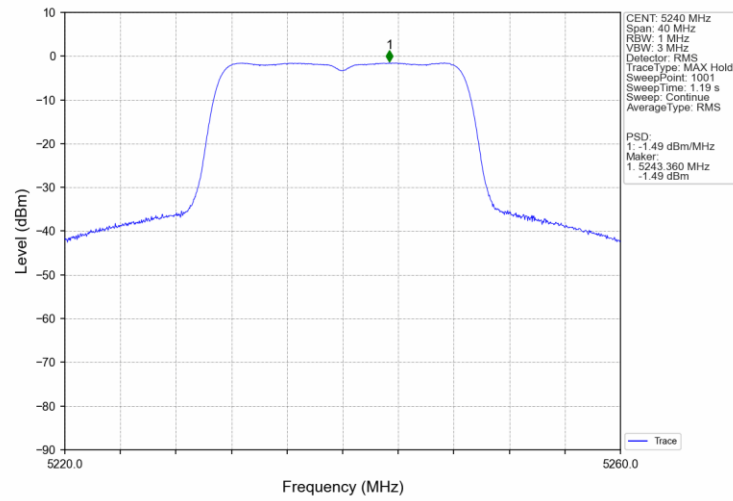
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



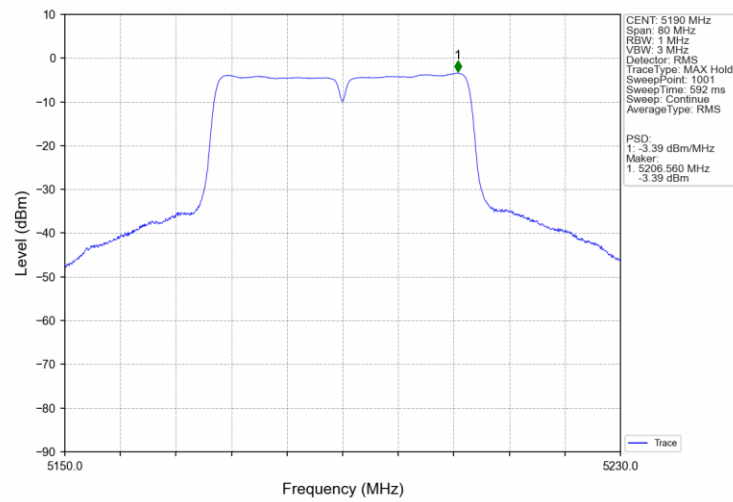
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



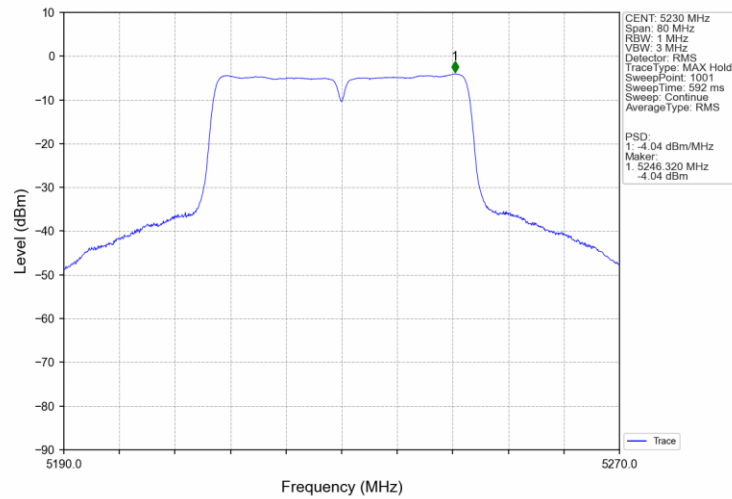
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



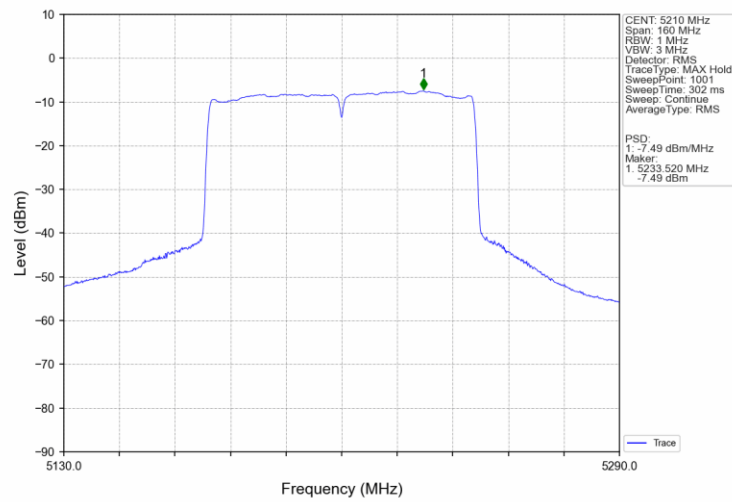
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



802.11ac(VHT40) HCH 5230MHz Ant1 NTN

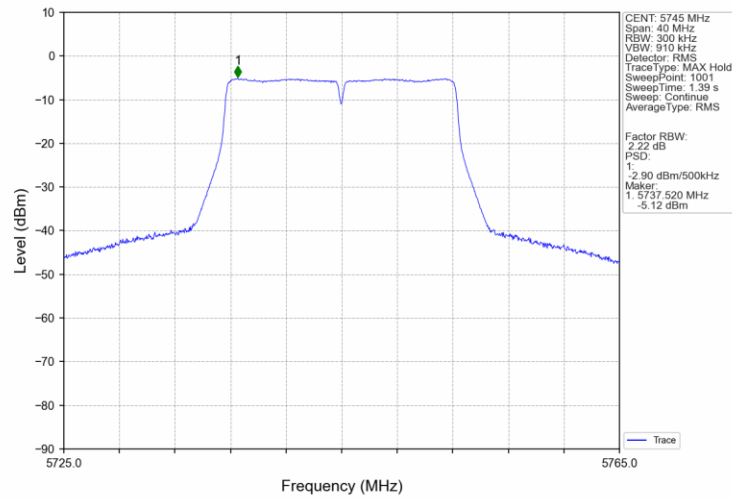


802.11ac(VHT80) MCH 5210MHz Ant1 NTN

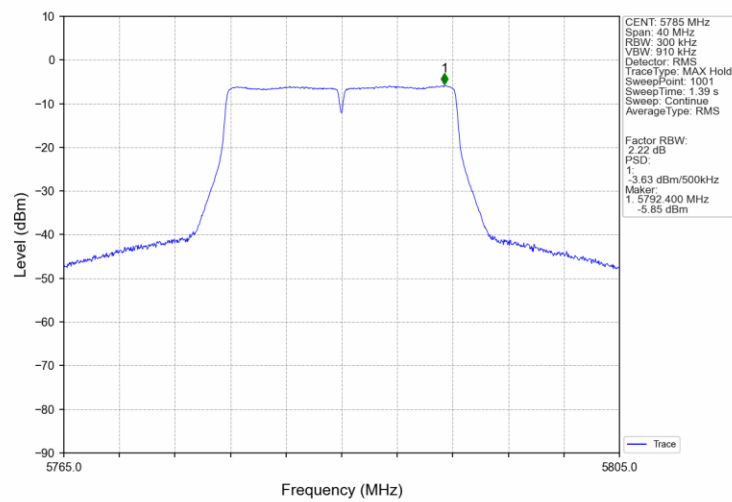


4.2.2 PSD-Band3

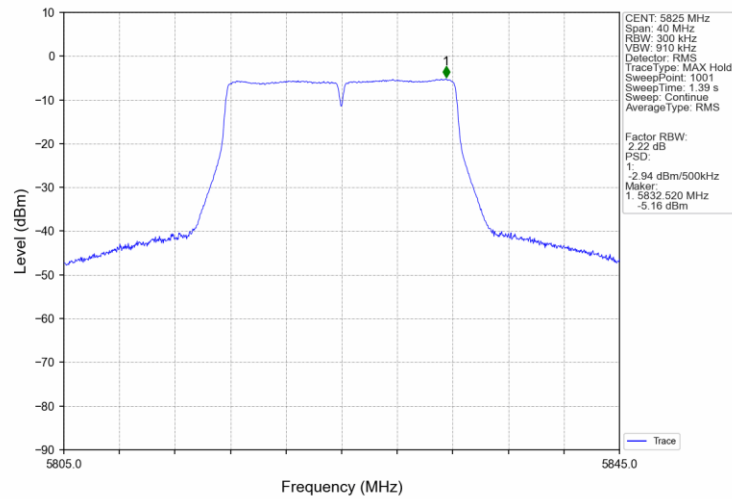
802.11a LCH 5745MHz Ant1 NTN



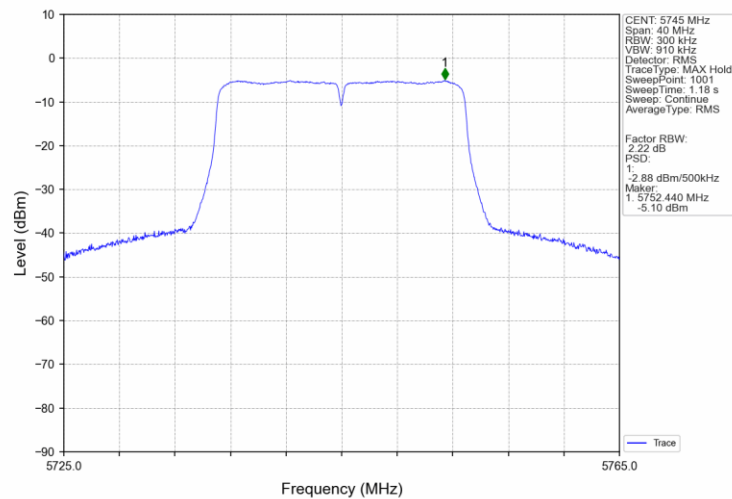
802.11a MCH 5785MHz Ant1 NTN



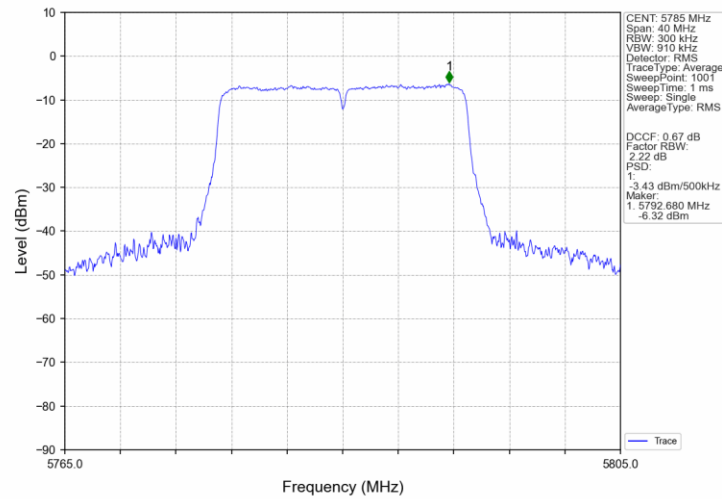
802.11a HCH 5825MHz Ant1 NTNv



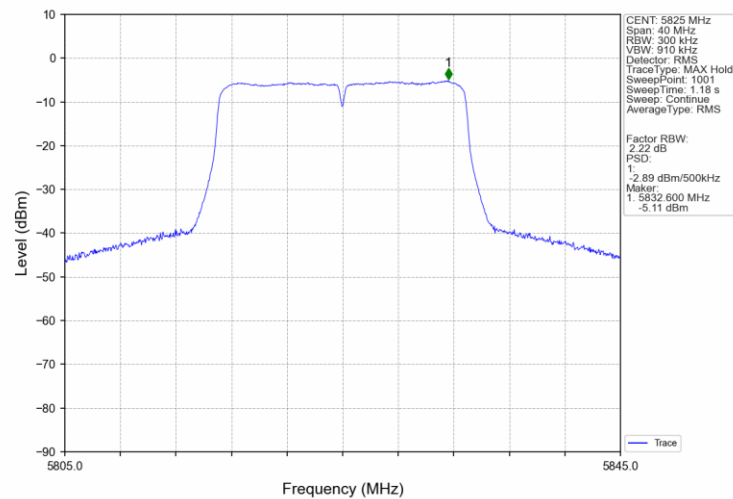
802.11n(HT20)_LCH_5745MHz_Ant1_NTNv



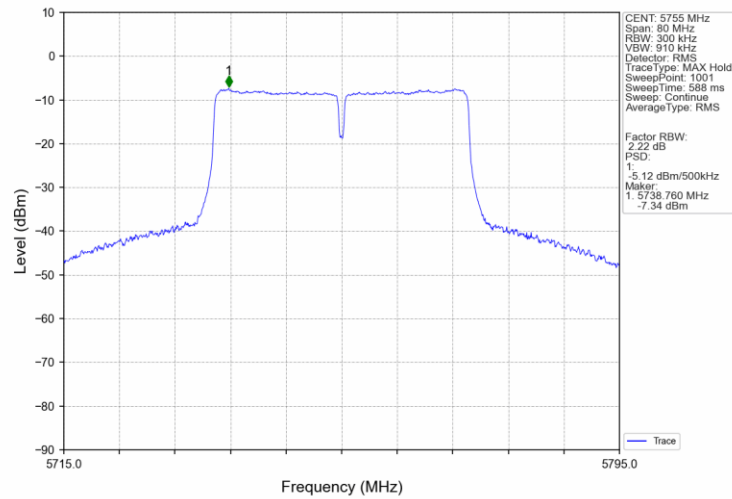
802.11n(HT20) MCH 5785MHz Ant1 NTN



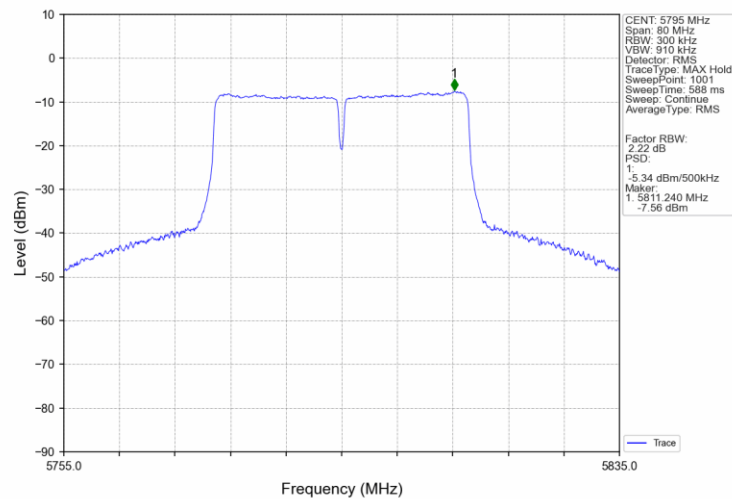
802.11n(HT20) HCH 5825MHz Ant1 NTN



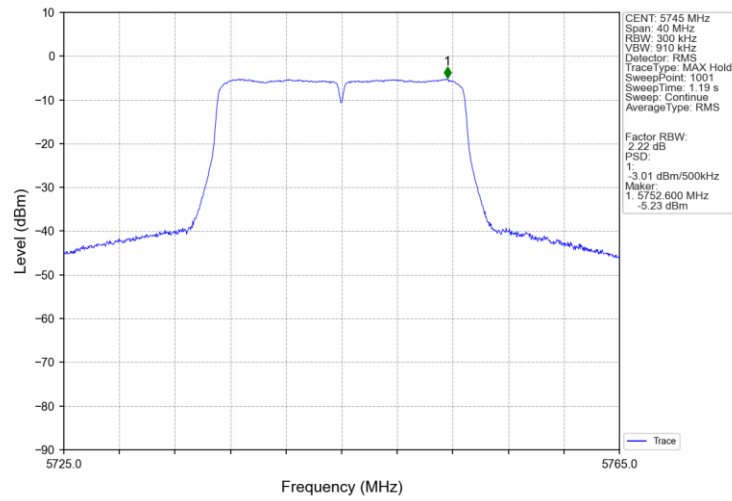
802.11n(HT40) LCH 5755MHz Ant1 NTN



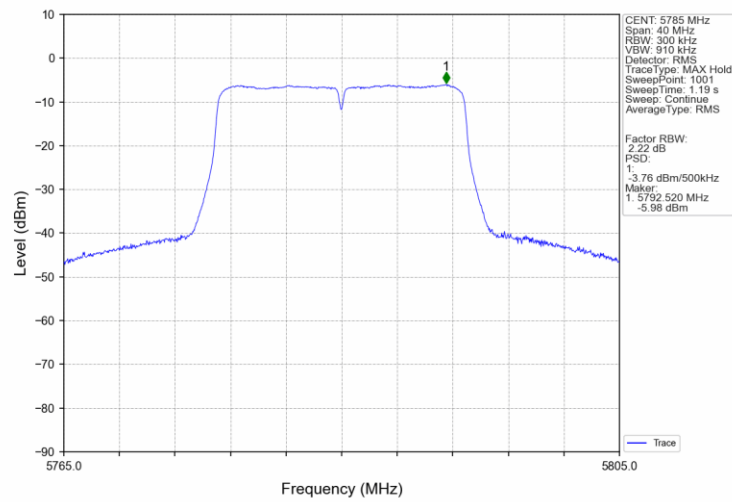
802.11n(HT40) HCH 5795MHz Ant1 NTN



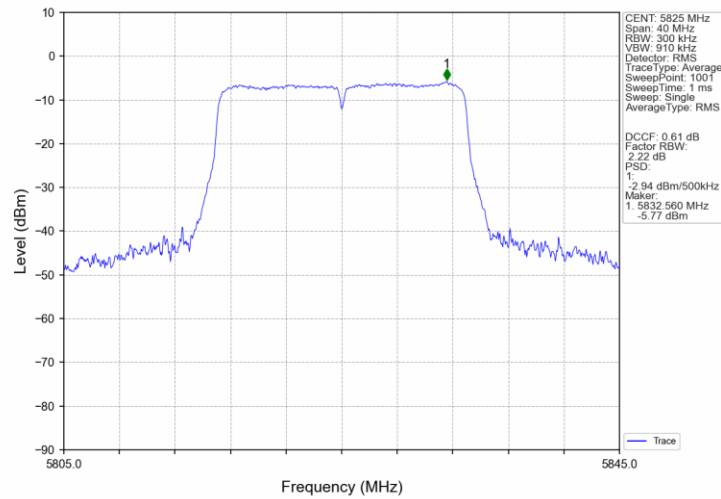
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



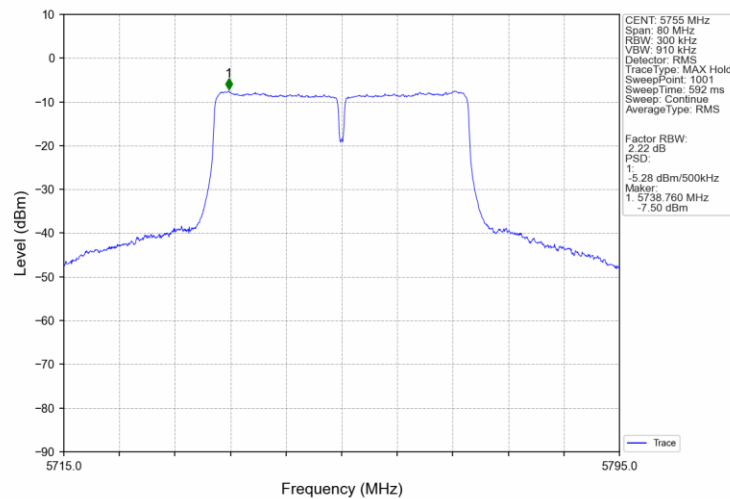
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



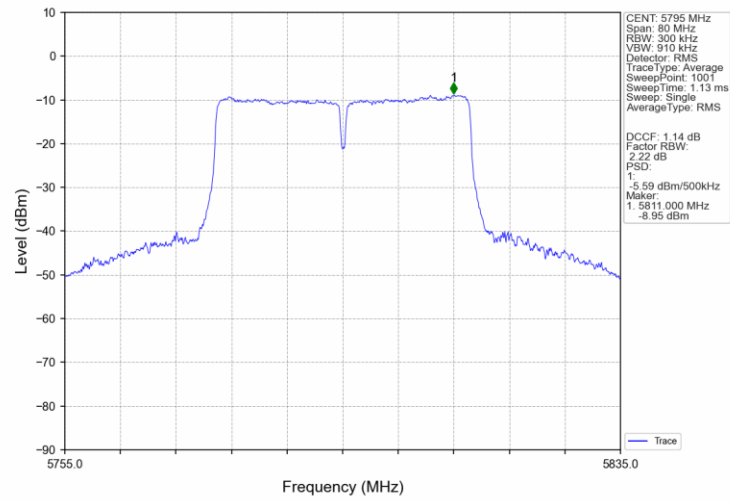
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



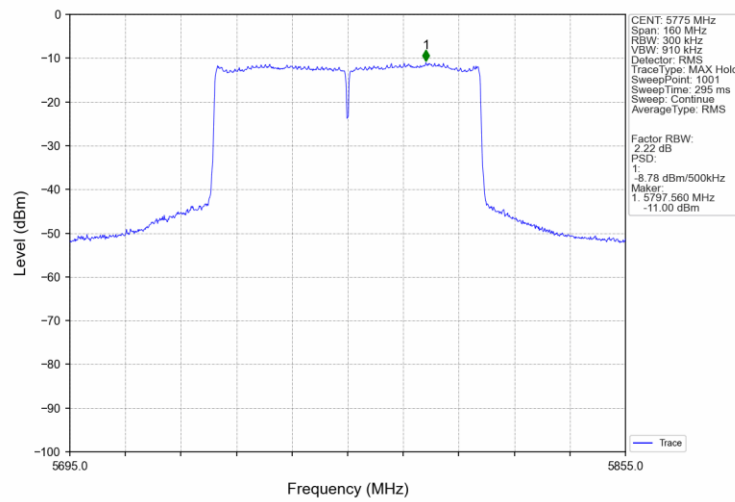
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



802.11ac(VHT40) HCH 5795MHz Ant1 NTN



802.11ac(VHT80) MCH 5775MHz Ant1 NTN



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	5180	20	102	5179.979	5150 to 5250	Pass
				120	5179.979	5150 to 5250	Pass
				138	5179.978	5150 to 5250	Pass
			-30	120	5179.978	5150 to 5250	Pass
			-20	120	5179.978	5150 to 5250	Pass
			-10	120	5179.978	5150 to 5250	Pass
			0	120	5179.977	5150 to 5250	Pass
			10	120	5179.977	5150 to 5250	Pass
			30	120	5179.977	5150 to 5250	Pass
			40	120	5179.977	5150 to 5250	Pass
			50	120	5179.977	5150 to 5250	Pass
		5200	20	102	5199.976	5150 to 5250	Pass
				120	5199.976	5150 to 5250	Pass
				138	5199.976	5150 to 5250	Pass
			-30	120	5199.976	5150 to 5250	Pass
			-20	120	5199.976	5150 to 5250	Pass
			-10	120	5199.976	5150 to 5250	Pass
			0	120	5199.975	5150 to 5250	Pass
			10	120	5199.975	5150 to 5250	Pass
			30	120	5199.975	5150 to 5250	Pass
			40	120	5199.975	5150 to 5250	Pass
			50	120	5199.975	5150 to 5250	Pass
		5240	20	102	5239.975	5150 to 5250	Pass
				120	5239.975	5150 to 5250	Pass
				138	5239.975	5150 to 5250	Pass
			-30	120	5239.975	5150 to 5250	Pass
			-20	120	5239.975	5150 to 5250	Pass
			-10	120	5239.975	5150 to 5250	Pass
			0	120	5239.975	5150 to 5250	Pass
			10	120	5239.975	5150 to 5250	Pass
			30	120	5239.975	5150 to 5250	Pass
			40	120	5239.975	5150 to 5250	Pass
			50	120	5239.974	5150 to 5250	Pass
		5745	20	102	5744.973	5725 to 5850	Pass
				120	5744.972	5725 to 5850	Pass
				138	5744.972	5725 to 5850	Pass
			-30	120	5744.972	5725 to 5850	Pass
			-20	120	5744.973	5725 to 5850	Pass
			-10	120	5744.973	5725 to 5850	Pass
			0	120	5744.973	5725 to 5850	Pass
			10	120	5744.973	5725 to 5850	Pass
			30	120	5744.973	5725 to 5850	Pass
			40	120	5744.973	5725 to 5850	Pass
			50	120	5744.973	5725 to 5850	Pass
		5785	20	102	5784.972	5725 to 5850	Pass
				120	5784.972	5725 to 5850	Pass

				138	5784.972	5725 to 5850	Pass
			-30	120	5784.972	5725 to 5850	Pass
			-20	120	5784.972	5725 to 5850	Pass
			-10	120	5784.972	5725 to 5850	Pass
			0	120	5784.972	5725 to 5850	Pass
			10	120	5784.972	5725 to 5850	Pass
			30	120	5784.972	5725 to 5850	Pass
			40	120	5784.972	5725 to 5850	Pass
			50	120	5784.972	5725 to 5850	Pass
		5825	20	102	5824.972	5725 to 5850	Pass
				120	5824.972	5725 to 5850	Pass
				138	5824.972	5725 to 5850	Pass
			-30	120	5824.972	5725 to 5850	Pass
			-20	120	5824.972	5725 to 5850	Pass
			-10	120	5824.972	5725 to 5850	Pass
			0	120	5824.972	5725 to 5850	Pass
			10	120	5824.972	5725 to 5850	Pass
			30	120	5824.972	5725 to 5850	Pass
			40	120	5824.972	5725 to 5850	Pass
			50	120	5824.972	5725 to 5850	Pass
		5190	20	102	5189.975	5150 to 5250	Pass
				120	5189.974	5150 to 5250	Pass
				138	5189.974	5150 to 5250	Pass
			-30	120	5189.974	5150 to 5250	Pass
			-20	120	5189.974	5150 to 5250	Pass
			-10	120	5189.974	5150 to 5250	Pass
			0	120	5189.974	5150 to 5250	Pass
			10	120	5189.974	5150 to 5250	Pass
			30	120	5189.974	5150 to 5250	Pass
			40	120	5189.974	5150 to 5250	Pass
			50	120	5189.974	5150 to 5250	Pass
		5230	20	102	5229.973	5150 to 5250	Pass
				120	5229.973	5150 to 5250	Pass
				138	5229.973	5150 to 5250	Pass
			-30	120	5229.973	5150 to 5250	Pass
			-20	120	5229.973	5150 to 5250	Pass
			-10	120	5229.973	5150 to 5250	Pass
			0	120	5229.973	5150 to 5250	Pass
			10	120	5229.973	5150 to 5250	Pass
			30	120	5229.973	5150 to 5250	Pass
			40	120	5229.973	5150 to 5250	Pass
			50	120	5229.973	5150 to 5250	Pass
		5755	20	102	5754.972	5725 to 5850	Pass
				120	5754.972	5725 to 5850	Pass
				138	5754.972	5725 to 5850	Pass
			-30	120	5754.972	5725 to 5850	Pass
			-20	120	5754.972	5725 to 5850	Pass
			-10	120	5754.972	5725 to 5850	Pass
			0	120	5754.972	5725 to 5850	Pass
			10	120	5754.972	5725 to 5850	Pass
			30	120	5754.972	5725 to 5850	Pass
			40	120	5754.972	5725 to 5850	Pass
			50	120	5754.972	5725 to 5850	Pass
		5795	20	102	5794.972	5725 to 5850	Pass
				120	5794.971	5725 to 5850	Pass
				138	5794.972	5725 to 5850	Pass
			-30	120	5794.972	5725 to 5850	Pass
			-20	120	5794.972	5725 to 5850	Pass
			-10	120	5794.972	5725 to 5850	Pass

			0	120	5794.972	5725 to 5850	Pass
			10	120	5794.972	5725 to 5850	Pass
			30	120	5794.972	5725 to 5850	Pass
			40	120	5794.972	5725 to 5850	Pass
			50	120	5794.972	5725 to 5850	Pass
		5210	20	102	5209.974	5150 to 5250	Pass
				120	5209.974	5150 to 5250	Pass
				138	5209.974	5150 to 5250	Pass
			-30	120	5209.974	5150 to 5250	Pass
			-20	120	5209.974	5150 to 5250	Pass
			-10	120	5209.974	5150 to 5250	Pass
			0	120	5209.974	5150 to 5250	Pass
			10	120	5209.974	5150 to 5250	Pass
			30	120	5209.974	5150 to 5250	Pass
			40	120	5209.974	5150 to 5250	Pass
			50	120	5209.974	5150 to 5250	Pass
		5775	20	102	5774.971	5725 to 5850	Pass
				120	5774.971	5725 to 5850	Pass
				138	5774.971	5725 to 5850	Pass
			-30	120	5774.971	5725 to 5850	Pass
			-20	120	5774.971	5725 to 5850	Pass
			-10	120	5774.971	5725 to 5850	Pass
			0	120	5774.971	5725 to 5850	Pass
			10	120	5774.971	5725 to 5850	Pass
			30	120	5774.971	5725 to 5850	Pass
			40	120	5774.971	5725 to 5850	Pass
			50	120	5774.971	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)
5180	5240	0.0107	10.30
5745	5825	0.0146	11.63
5190	5230	0.0126	11.01
5755	5795	0.0157	11.95
5210	5210	0.0099	9.97