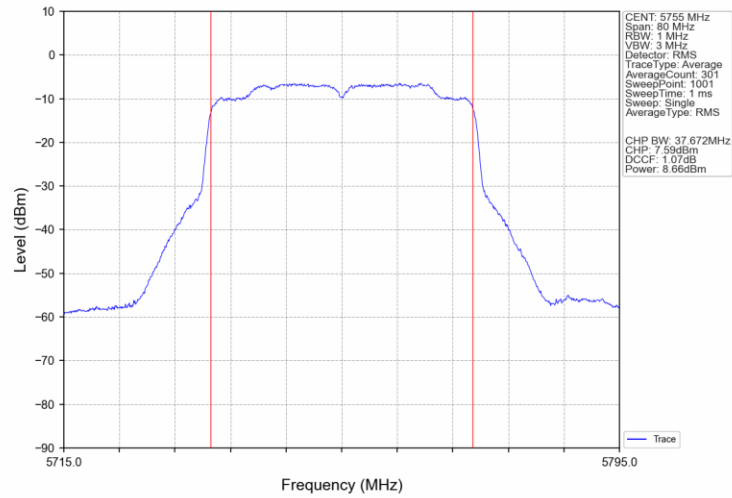
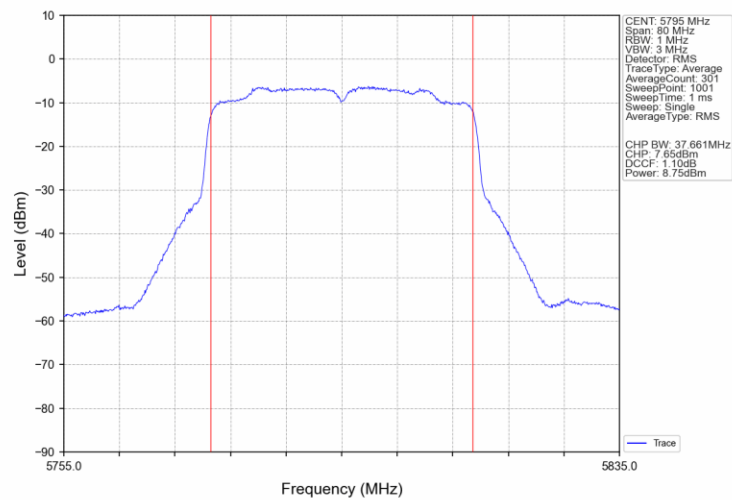


802.11ax(HEW40)_LCH_5755MHz_SU_/_Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_SU_/_Ant1_NTNV



4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	-4.38	<=11	Pass
		5200	/	/	-4.57	<=11	Pass
		5240	/	/	-3.50	<=11	Pass
802.11n (HT20)	SISO	5180	/	/	-4.80	<=11	Pass
		5200	/	/	-4.76	<=11	Pass
		5240	/	/	-3.72	<=11	Pass
802.11n (HT40)	SISO	5190	/	/	-8.30	<=11	Pass
		5230	/	/	-7.47	<=11	Pass
802.11ac (VHT20)	SISO	5180	/	/	-4.81	<=11	Pass
		5200	/	/	-4.87	<=11	Pass
		5240	/	/	-3.81	<=11	Pass
802.11ac (VHT40)	SISO	5190	/	/	-8.27	<=11	Pass
		5230	/	/	-7.54	<=11	Pass
802.11ax (HEW20)	SISO	5180	SU	/	-2.19	<=11	Pass
		5200	SU	/	-2.07	<=11	Pass
		5240	SU	/	-3.03	<=11	Pass
802.11ax (HEW40)	SISO	5190	SU	/	-5.55	<=11	Pass
		5230	SU	/	-5.93	<=11	Pass

Note1: Antenna Gain:
- Band: 1 Ant1: 0.85dBi;
- Band: 3 Ant1: 1.59dBi;

4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5745	/	/	-4.91	<=30	Pass
		5785	/	/	-4.63	<=30	Pass
		5825	/	/	-5.50	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	-4.83	<=30	Pass
		5785	/	/	-4.72	<=30	Pass
		5825	/	/	-5.37	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	-8.23	<=30	Pass
		5795	/	/	-8.26	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	-4.72	<=30	Pass
		5785	/	/	-4.31	<=30	Pass
		5825	/	/	-5.49	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	-8.25	<=30	Pass
		5795	/	/	-7.99	<=30	Pass
802.11ax (HEW20)	SISO	5745	SU	/	-4.10	<=30	Pass
		5785	SU	/	-4.07	<=30	Pass
		5825	SU	/	-4.95	<=30	Pass
802.11ax (HEW40)	SISO	5755	SU	/	-7.79	<=30	Pass
		5795	SU	/	-7.55	<=30	Pass

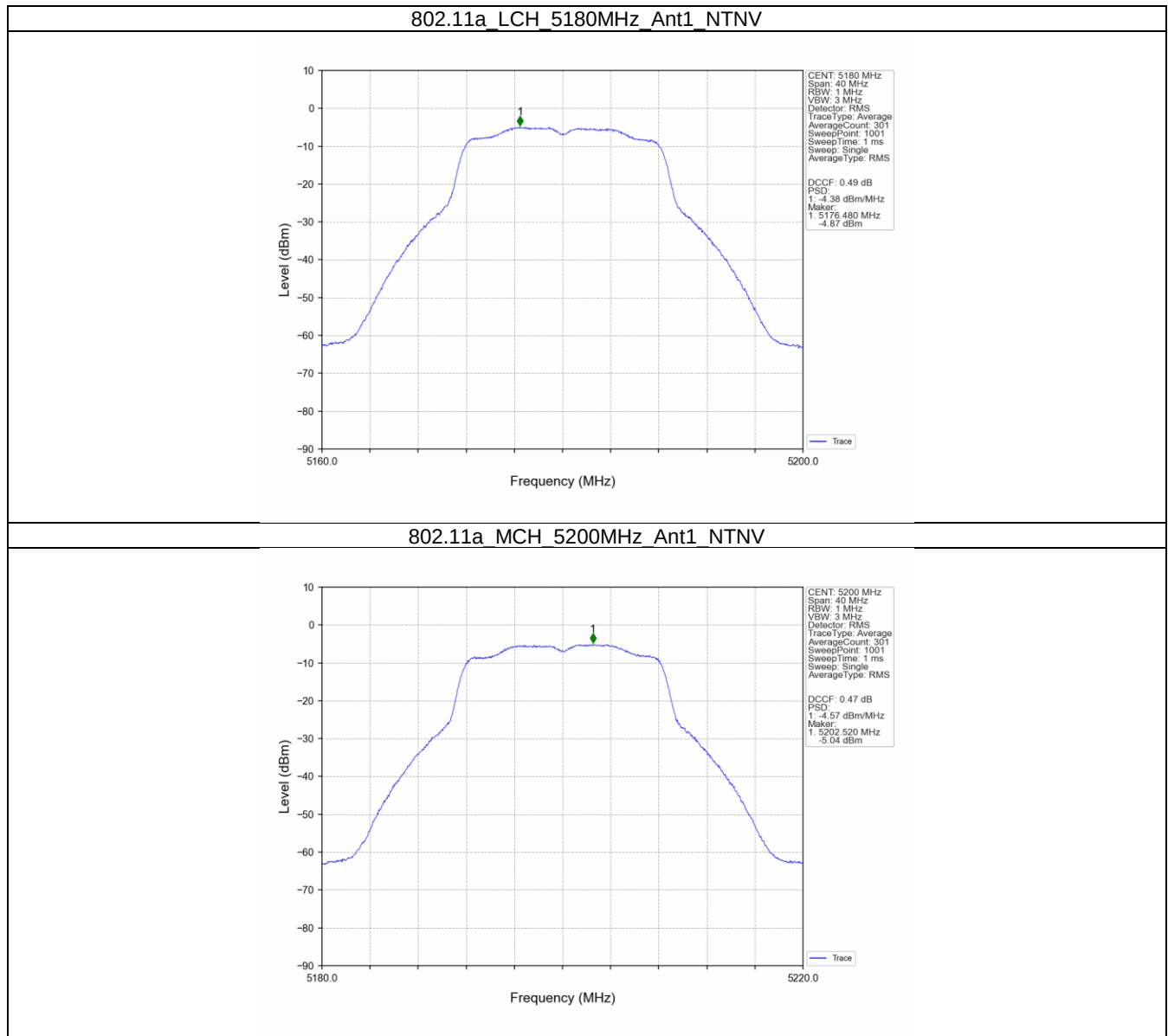
Note1: Antenna Gain:
- Band: 1 Ant1: 0.20dBj:



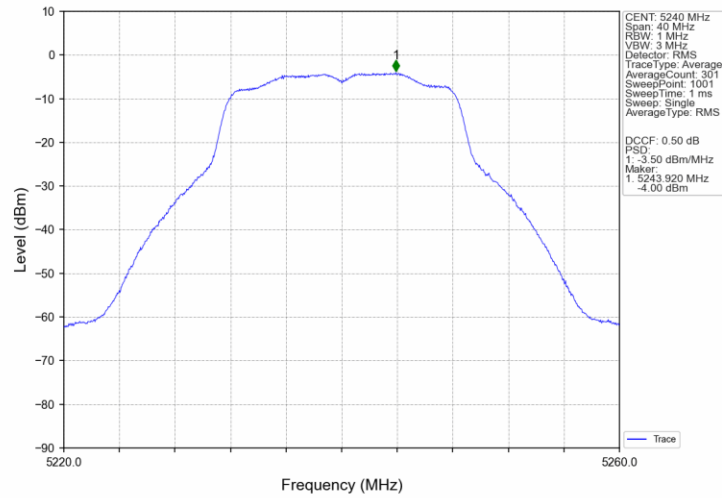
- Band: 3 Ant1: 0.20dBi;

4.2 Test Graph

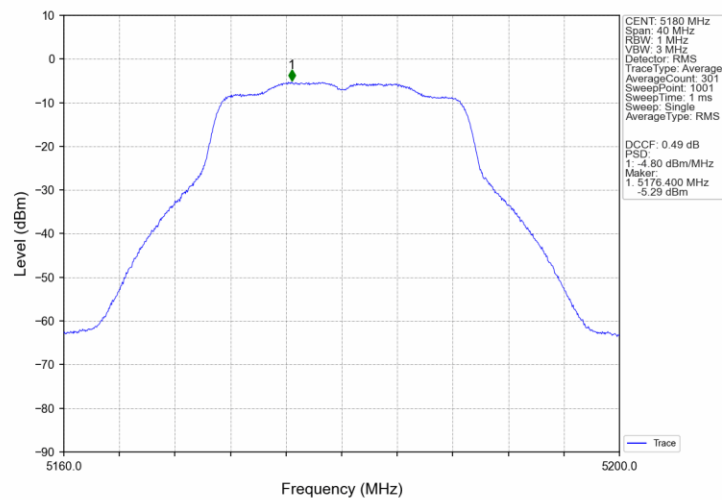
4.2.1 PSD



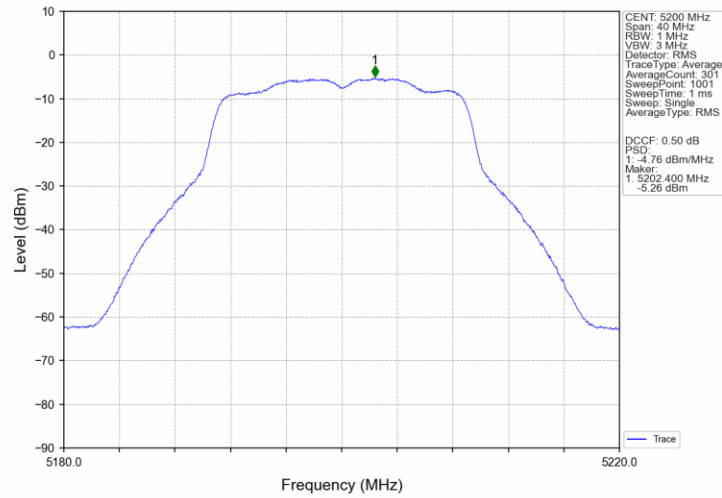
802.11a_HCH_5240MHz_Ant1_NTNV



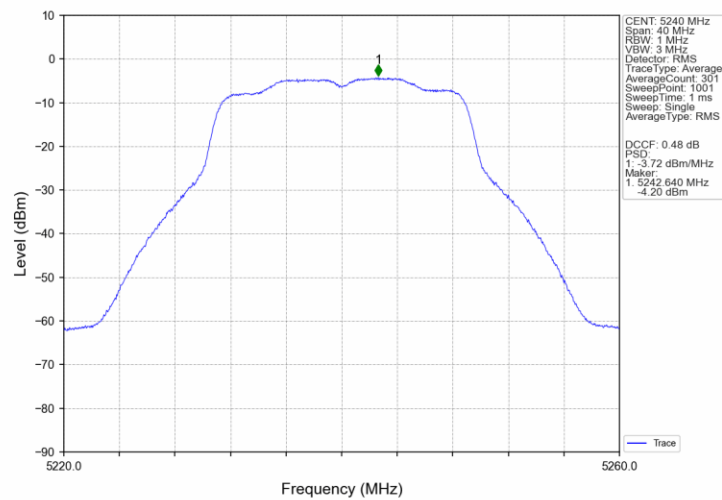
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



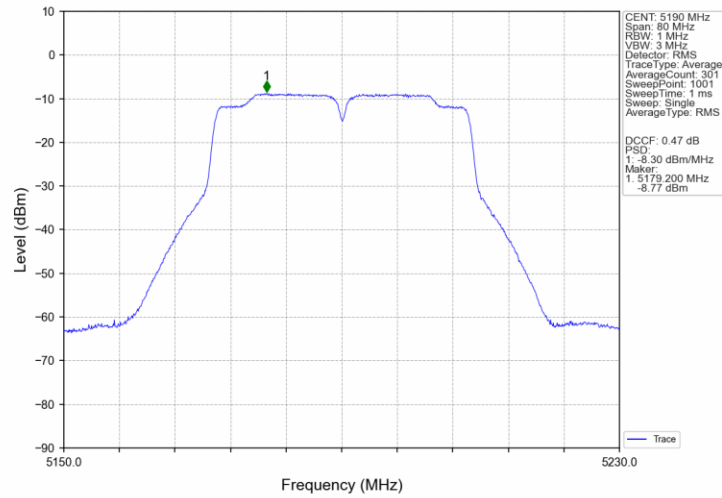
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



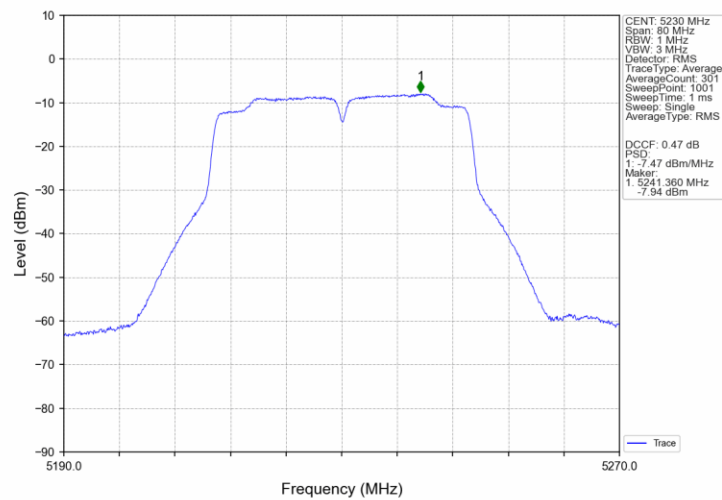
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



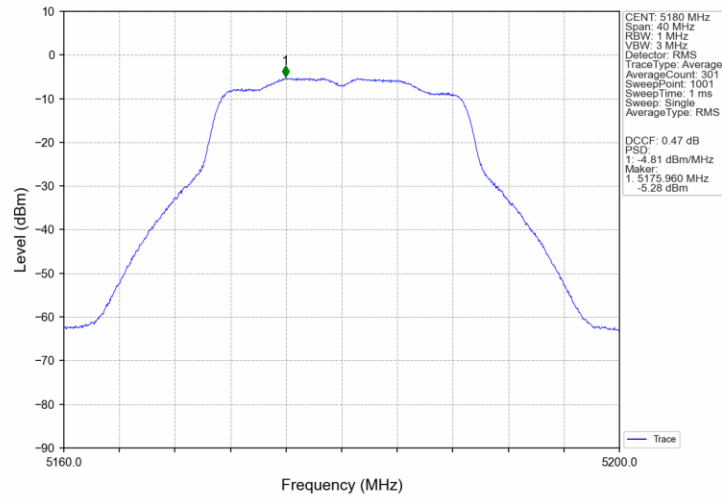
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



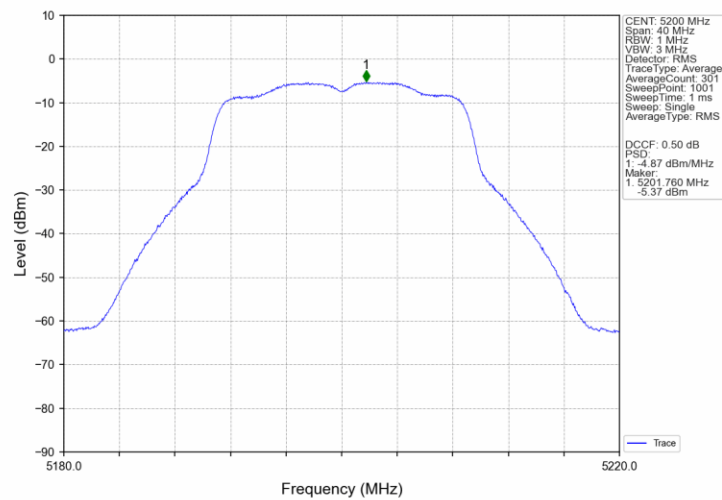
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



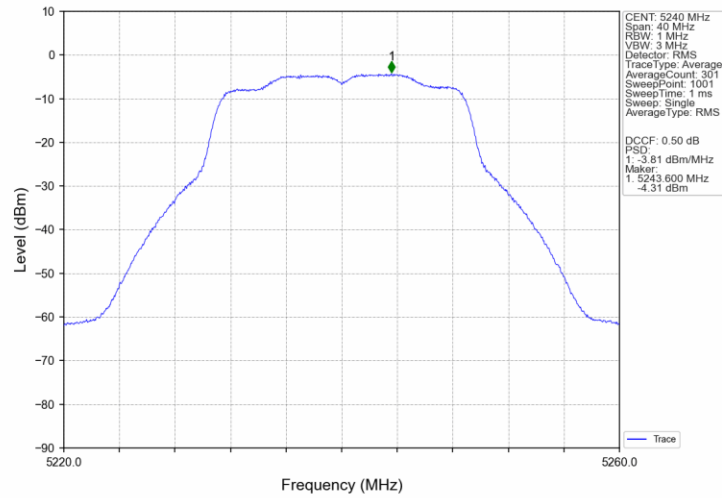
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



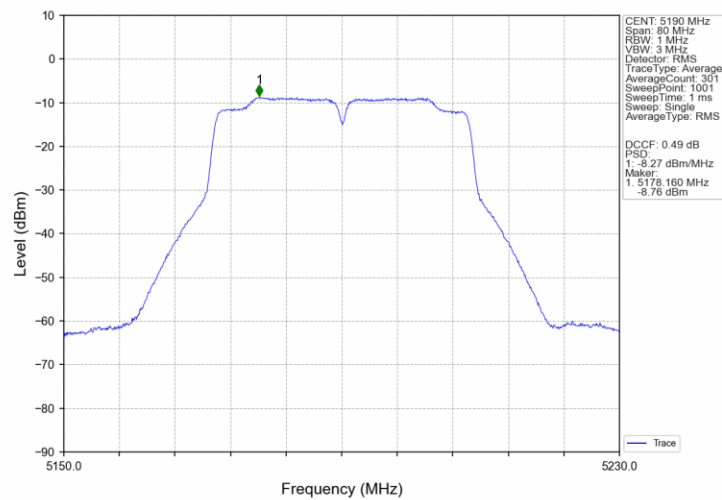
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



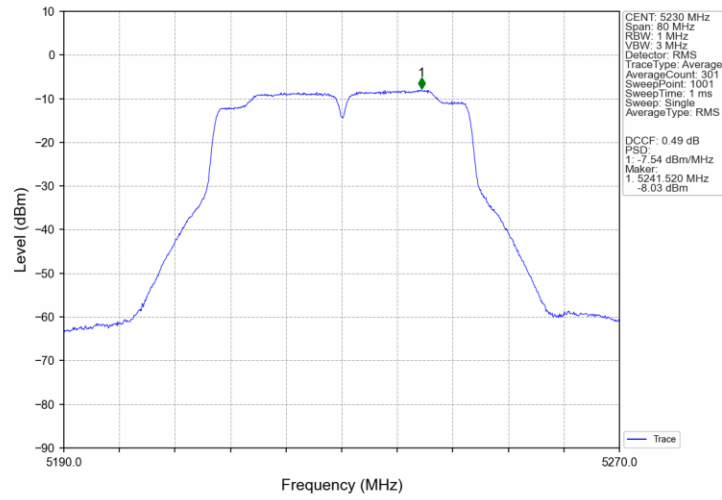
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



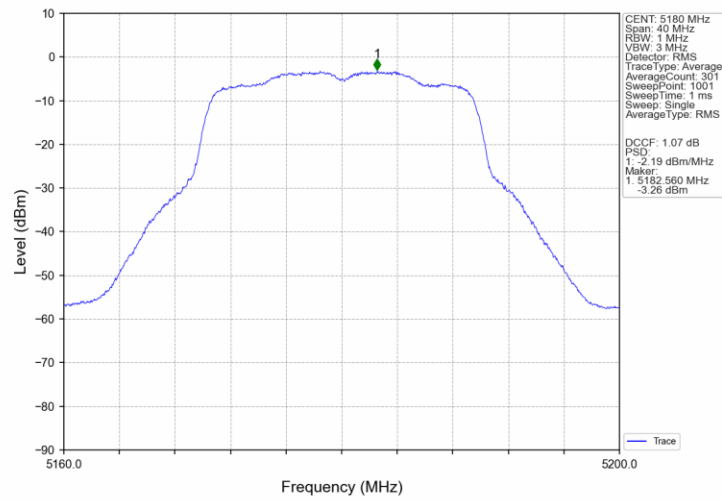
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



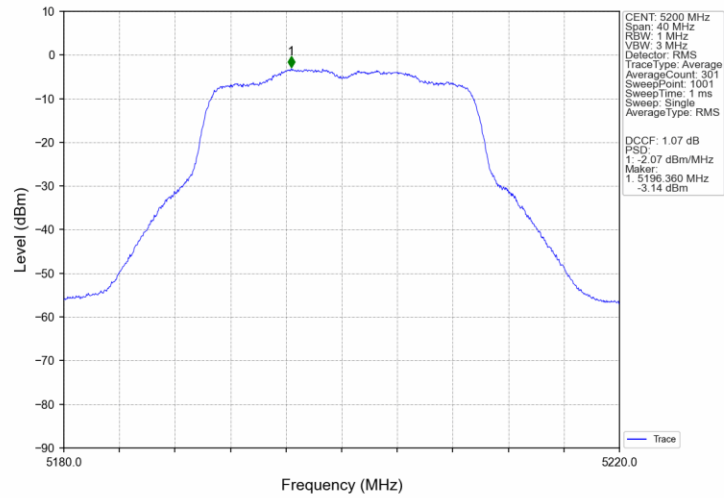
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



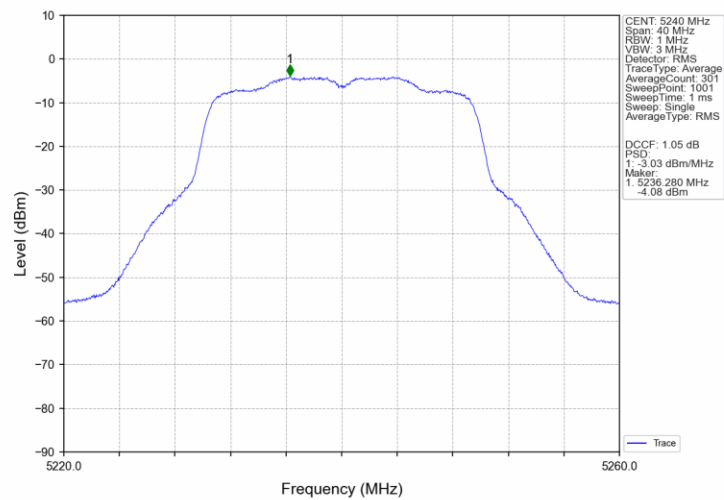
802.11ax(HEW20)_LCH_5180MHz_SU / Ant1 NTN



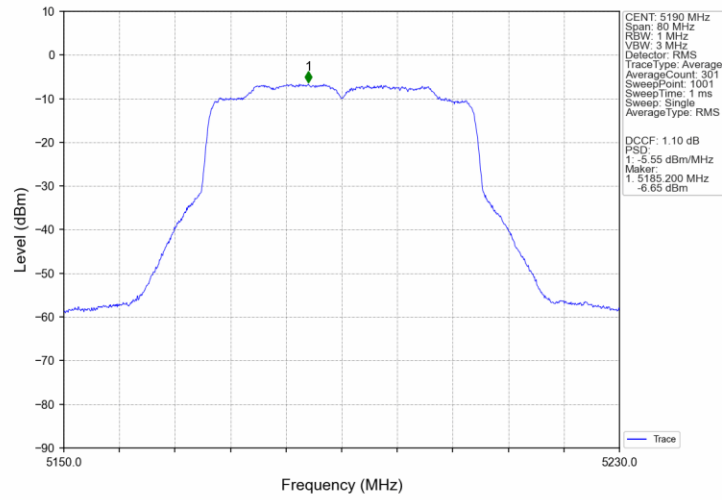
802.11ax(HEW20)_MCH_5200MHz_SU_/_Ant1_NTNV



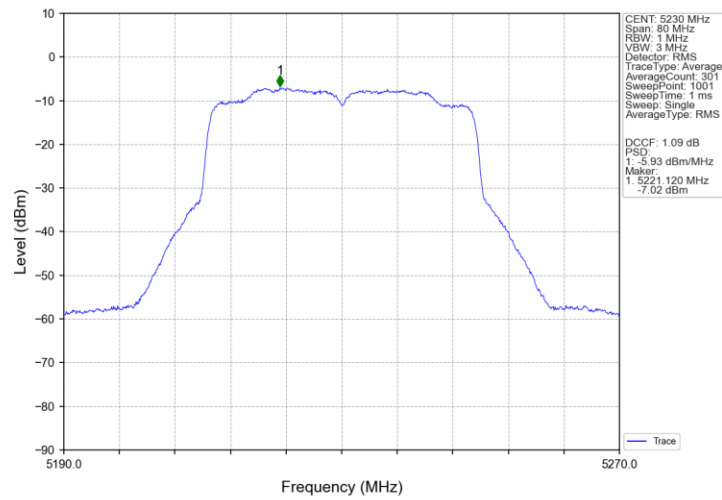
802.11ax(HEW20)_HCH_5240MHz_SU_/_Ant1_NTNV



802.11ax(HEW40)_LCH_5190MHz_SU_/_Ant1_NTNV

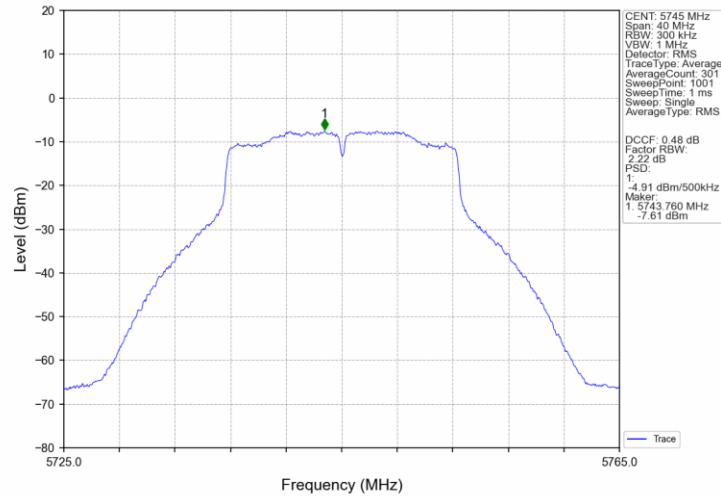


802.11ax(HEW40)_HCH_5230MHz_SU_/_Ant1_NTNV

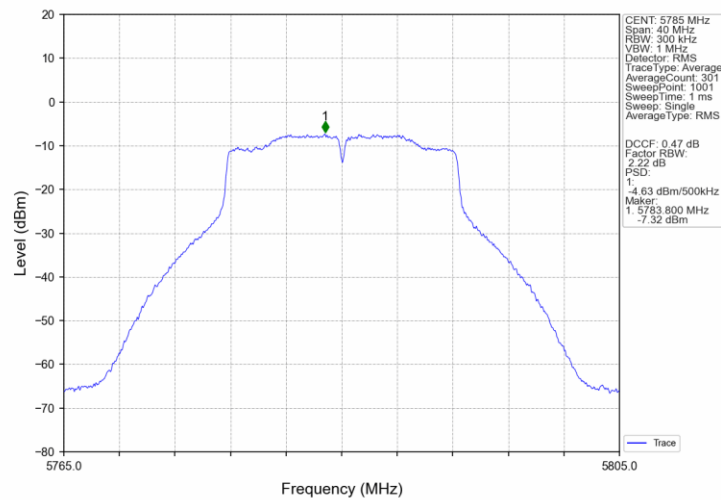


4.2.2 PSD-Band3

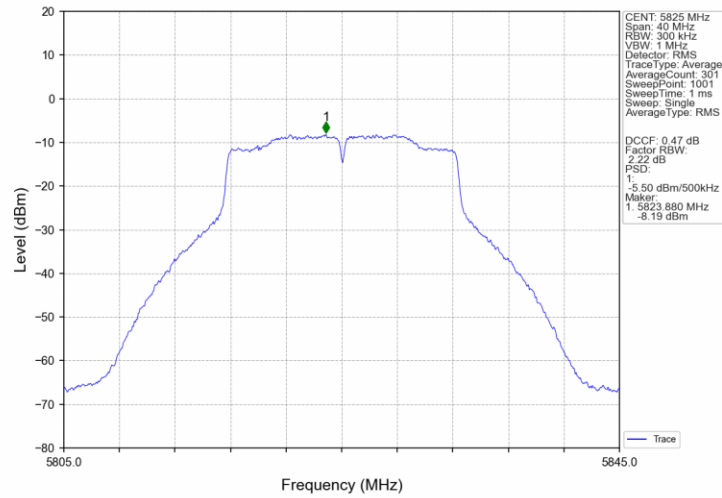
802.11a_LCH_5745MHz_Ant1_NTNV



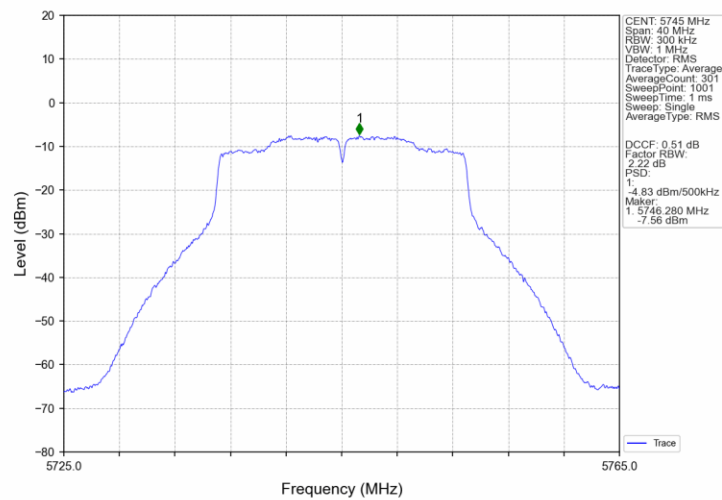
802.11a_MCH_5785MHz_Ant1_NTNV



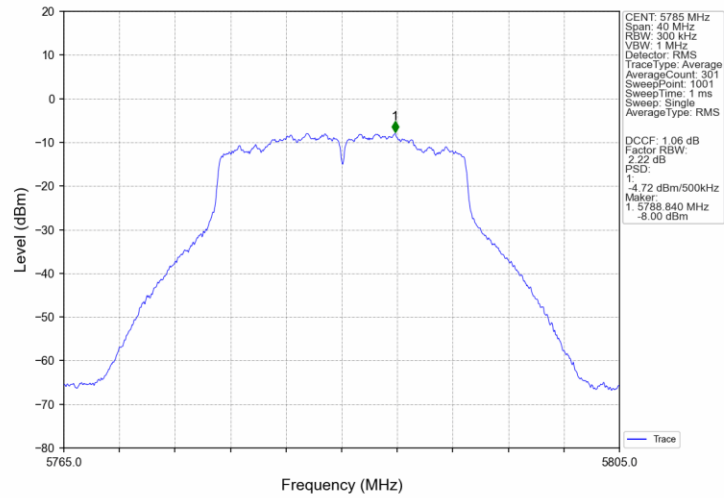
802.11a_HCH_5825MHz_Ant1_NTNV



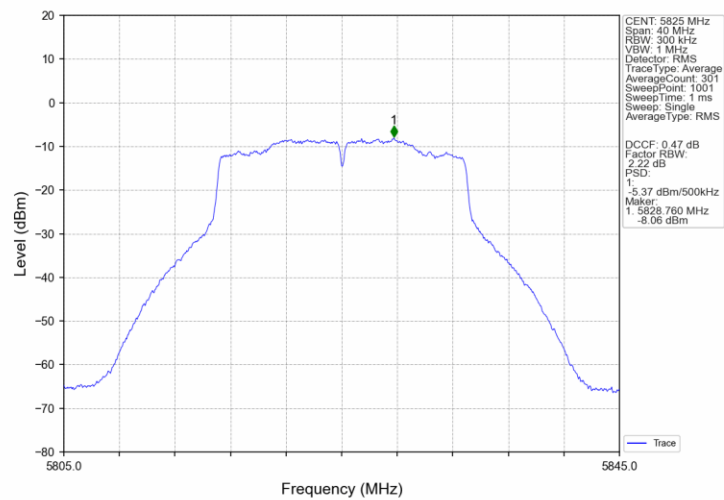
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



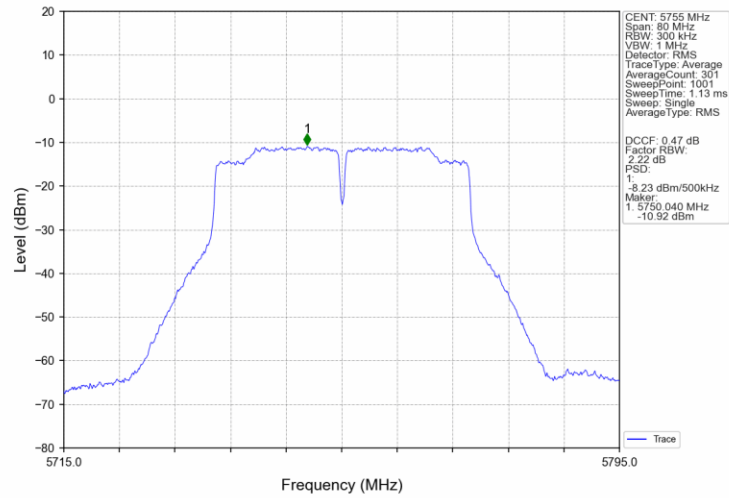
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



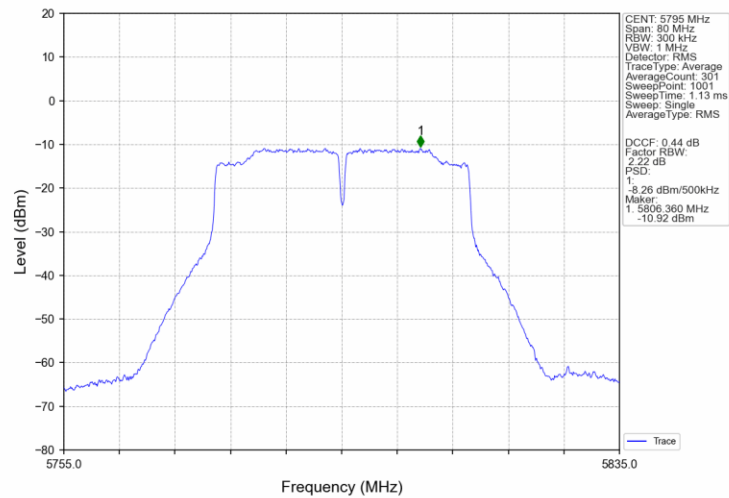
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



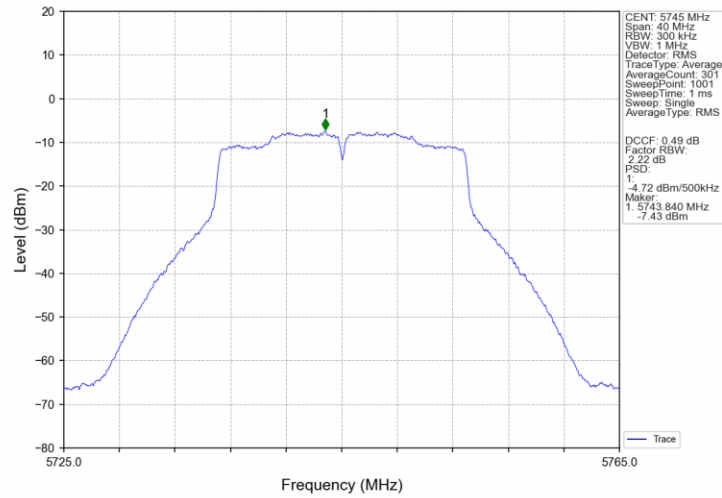
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



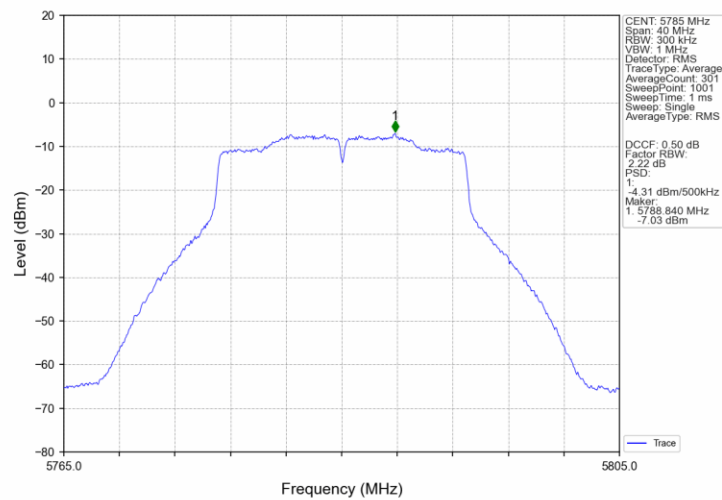
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



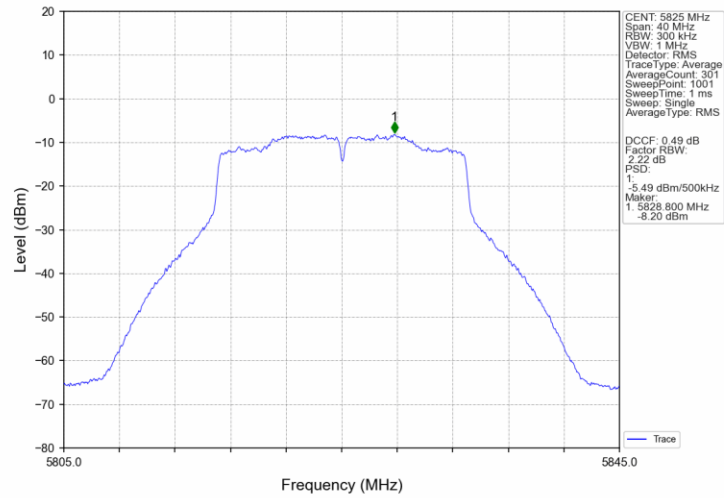
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



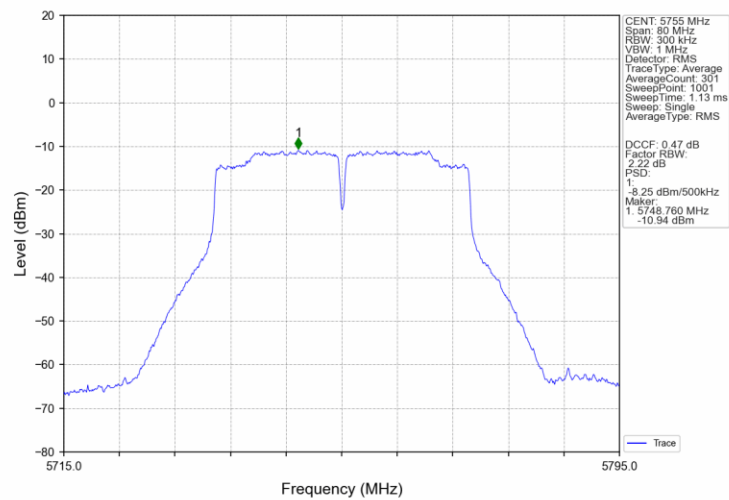
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



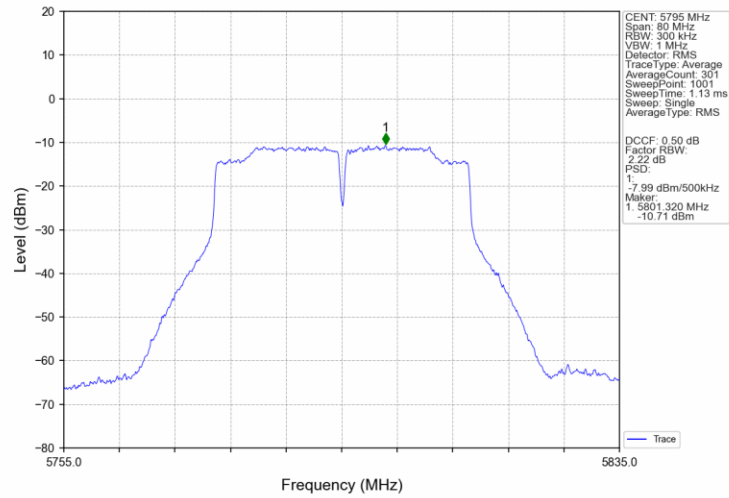
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



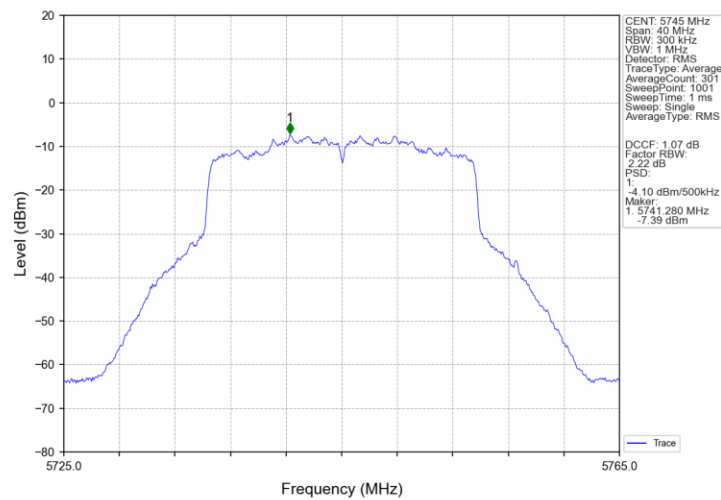
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



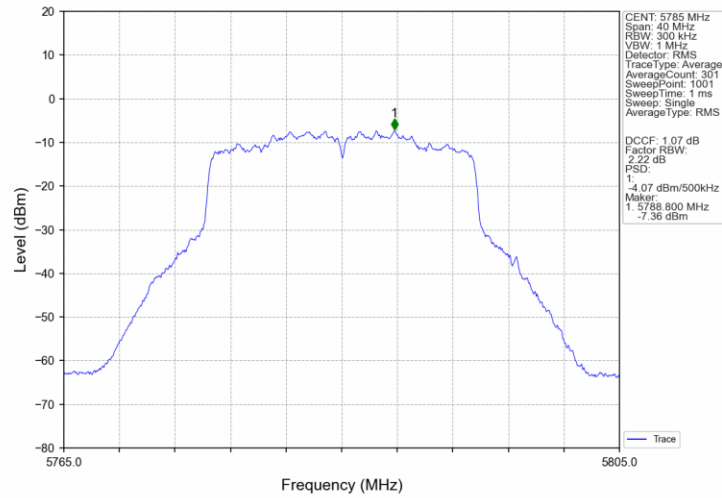
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



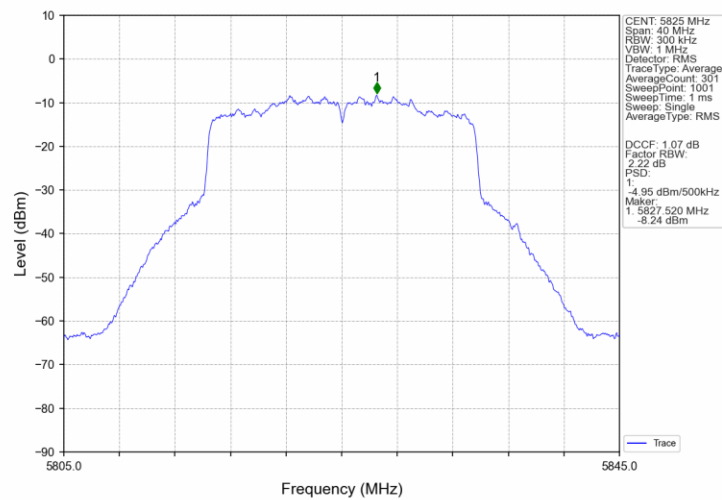
802.11ax(HEW20)_LCH_5745MHz_SU / Ant1 NTN



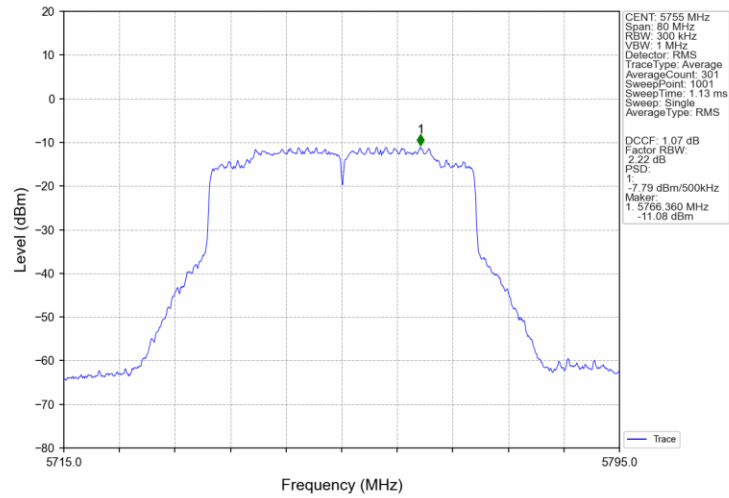
802.11ax(HEW20)_MCH_5785MHz_SU_/_Ant1_NTNV



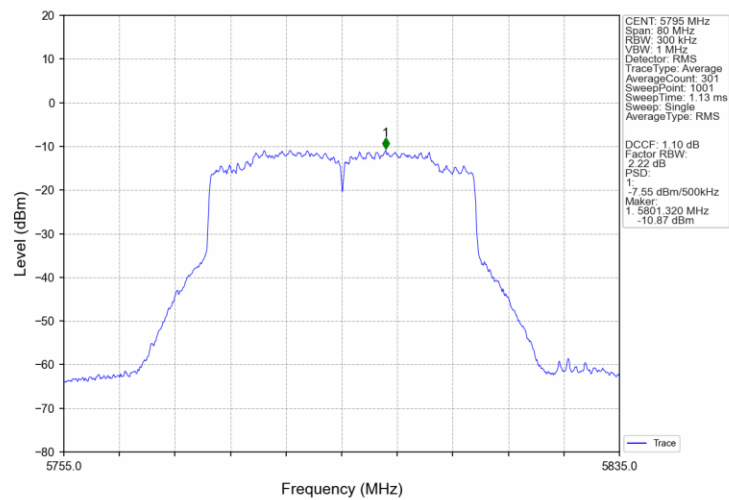
802.11ax(HEW20)_HCH_5825MHz_SU_/_Ant1_NTNV



802.11ax(HEW40)_LCH_5755MHz_SU_/_Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_SU_/_Ant1_NTNV



5. Frequency Stability

5.1 Test Result

5.1.1 Ant1

Ant1							
Mode	Tx Type	Frequency (MHz)	Temperature (°C)	Voltage	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5180	20	LV	5179.993	5150 to 5250	Pass
				NV	5179.991	5150 to 5250	Pass
				HV	5179.990	5150 to 5250	Pass
			-30	NV	5179.989	5150 to 5250	Pass
			-20	NV	5179.989	5150 to 5250	Pass
			-10	NV	5179.988	5150 to 5250	Pass
			0	NV	5179.988	5150 to 5250	Pass
			10	NV	5179.988	5150 to 5250	Pass
			30	NV	5179.988	5150 to 5250	Pass
			40	NV	5179.988	5150 to 5250	Pass
			50	NV	5179.988	5150 to 5250	Pass
		5200	20	LV	5199.987	5150 to 5250	Pass
				NV	5199.986	5150 to 5250	Pass
				HV	5199.986	5150 to 5250	Pass
			-30	NV	5199.986	5150 to 5250	Pass
			-20	NV	5199.986	5150 to 5250	Pass
			-10	NV	5199.986	5150 to 5250	Pass
			0	NV	5199.986	5150 to 5250	Pass
			10	NV	5199.986	5150 to 5250	Pass
			30	NV	5199.986	5150 to 5250	Pass
			40	NV	5199.986	5150 to 5250	Pass
			50	NV	5199.986	5150 to 5250	Pass
		5240	20	LV	5239.987	5150 to 5250	Pass
				NV	5239.987	5150 to 5250	Pass
				HV	5239.987	5150 to 5250	Pass
			-30	NV	5239.987	5150 to 5250	Pass
			-20	NV	5239.987	5150 to 5250	Pass
			-10	NV	5239.987	5150 to 5250	Pass
			0	NV	5239.987	5150 to 5250	Pass
			10	NV	5239.987	5150 to 5250	Pass
			30	NV	5239.987	5150 to 5250	Pass
			40	NV	5239.986	5150 to 5250	Pass
			50	NV	5239.987	5150 to 5250	Pass
		5745	20	LV	5744.988	5725 to 5850	Pass
				NV	5744.985	5725 to 5850	Pass
				HV	5744.985	5725 to 5850	Pass
			-30	NV	5744.985	5725 to 5850	Pass
			-20	NV	5744.984	5725 to 5850	Pass
			-10	NV	5744.984	5725 to 5850	Pass
			0	NV	5744.984	5725 to 5850	Pass
			10	NV	5744.984	5725 to 5850	Pass
			30	NV	5744.984	5725 to 5850	Pass
			40	NV	5744.984	5725 to 5850	Pass
			50	NV	5744.984	5725 to 5850	Pass
		5785	20	LV	5784.984	5725 to 5850	Pass
				NV	5784.983	5725 to 5850	Pass

				HV	5784.983	5725 to 5850	Pass
			-30	NV	5784.983	5725 to 5850	Pass
			-20	NV	5784.983	5725 to 5850	Pass
			-10	NV	5784.983	5725 to 5850	Pass
			0	NV	5784.983	5725 to 5850	Pass
			10	NV	5784.983	5725 to 5850	Pass
			30	NV	5784.983	5725 to 5850	Pass
			40	NV	5784.983	5725 to 5850	Pass
			50	NV	5784.983	5725 to 5850	Pass
		5825	20	LV	5824.984	5725 to 5850	Pass
				NV	5824.984	5725 to 5850	Pass
				HV	5824.984	5725 to 5850	Pass
			-30	NV	5824.984	5725 to 5850	Pass
			-20	NV	5824.984	5725 to 5850	Pass
			-10	NV	5824.984	5725 to 5850	Pass
			0	NV	5824.984	5725 to 5850	Pass
			10	NV	5824.984	5725 to 5850	Pass
			30	NV	5824.984	5725 to 5850	Pass
			40	NV	5824.984	5725 to 5850	Pass
			50	NV	5824.984	5725 to 5850	Pass
		5190	20	LV	5189.987	5150 to 5250	Pass
				NV	5189.987	5150 to 5250	Pass
				HV	5189.986	5150 to 5250	Pass
			-30	NV	5189.986	5150 to 5250	Pass
			-20	NV	5189.986	5150 to 5250	Pass
			-10	NV	5189.986	5150 to 5250	Pass
			0	NV	5189.986	5150 to 5250	Pass
			10	NV	5189.986	5150 to 5250	Pass
			30	NV	5189.986	5150 to 5250	Pass
			40	NV	5189.986	5150 to 5250	Pass
			50	NV	5189.986	5150 to 5250	Pass
		5230	20	LV	5229.986	5150 to 5250	Pass
				NV	5229.986	5150 to 5250	Pass
				HV	5229.986	5150 to 5250	Pass
			-30	NV	5229.986	5150 to 5250	Pass
			-20	NV	5229.985	5150 to 5250	Pass
			-10	NV	5229.986	5150 to 5250	Pass
			0	NV	5229.986	5150 to 5250	Pass
			10	NV	5229.985	5150 to 5250	Pass
			30	NV	5229.985	5150 to 5250	Pass
			40	NV	5229.985	5150 to 5250	Pass
			50	NV	5229.985	5150 to 5250	Pass
		5755	20	LV	5754.985	5725 to 5850	Pass
				NV	5754.984	5725 to 5850	Pass
				HV	5754.984	5725 to 5850	Pass
			-30	NV	5754.983	5725 to 5850	Pass
			-20	NV	5754.983	5725 to 5850	Pass
			-10	NV	5754.983	5725 to 5850	Pass
			0	NV	5754.983	5725 to 5850	Pass
			10	NV	5754.983	5725 to 5850	Pass
			30	NV	5754.983	5725 to 5850	Pass
			40	NV	5754.983	5725 to 5850	Pass
			50	NV	5754.983	5725 to 5850	Pass
		5795	20	LV	5794.985	5725 to 5850	Pass
				NV	5794.984	5725 to 5850	Pass
				HV	5794.984	5725 to 5850	Pass
			-30	NV	5794.984	5725 to 5850	Pass
			-20	NV	5794.984	5725 to 5850	Pass
			-10	NV	5794.984	5725 to 5850	Pass



			0	NV	5794.984	5725 to 5850	Pass
			10	NV	5794.984	5725 to 5850	Pass
			30	NV	5794.984	5725 to 5850	Pass
			40	NV	5794.984	5725 to 5850	Pass
			50	NV	5794.984	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	0.0070	8.48
5745	5825	0.0077	8.85
5190	5230	0.0069	8.41
5755	5795	0.0075	8.75

***** End of Report *****