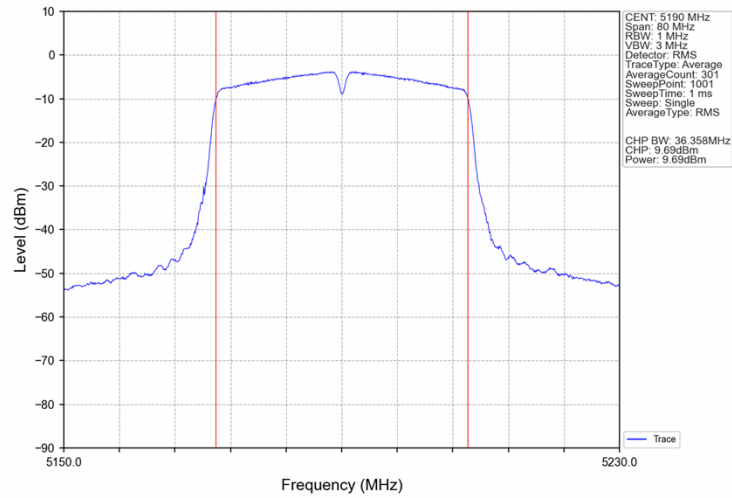
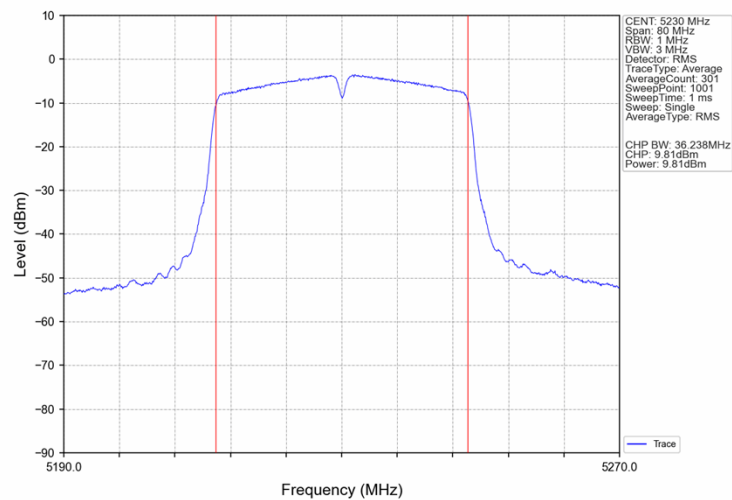


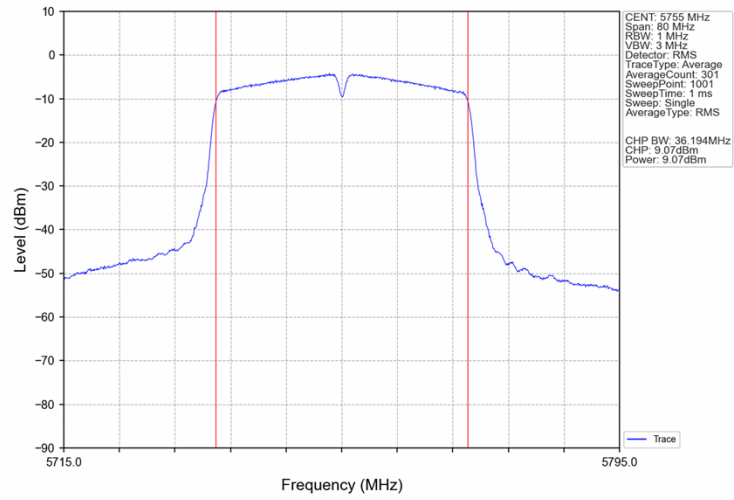
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



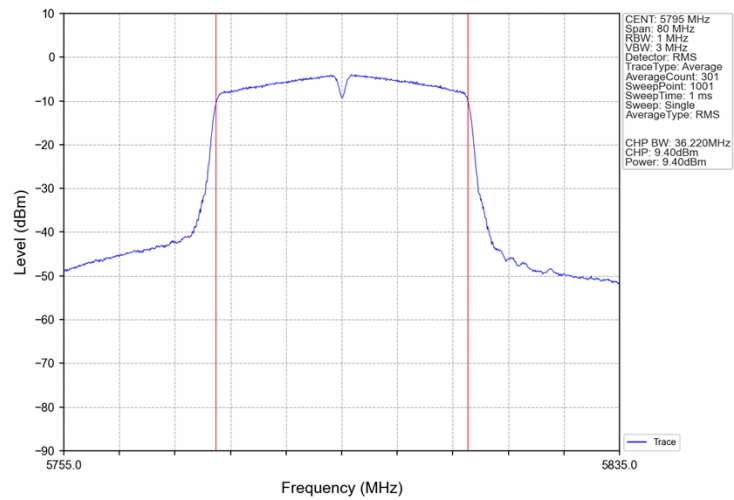
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



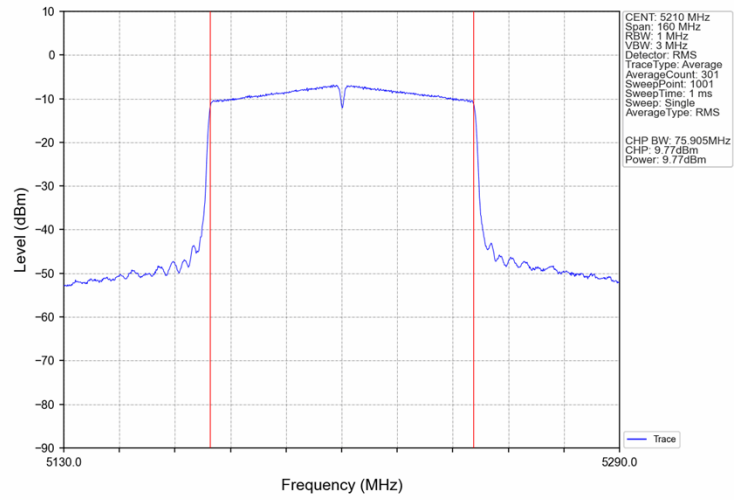
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



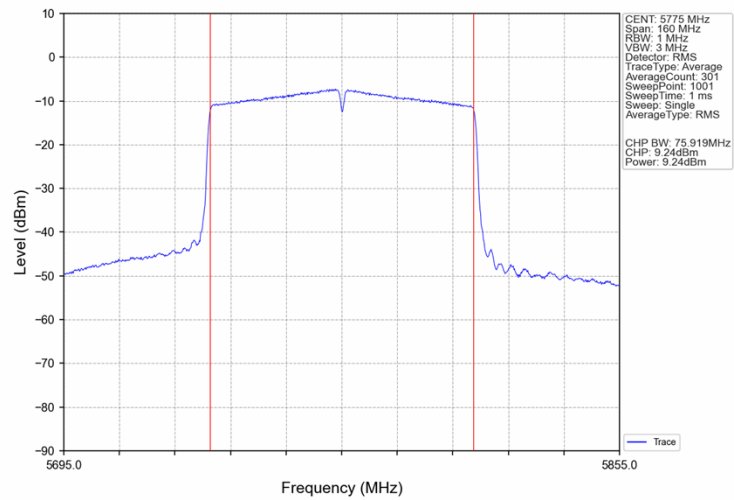
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

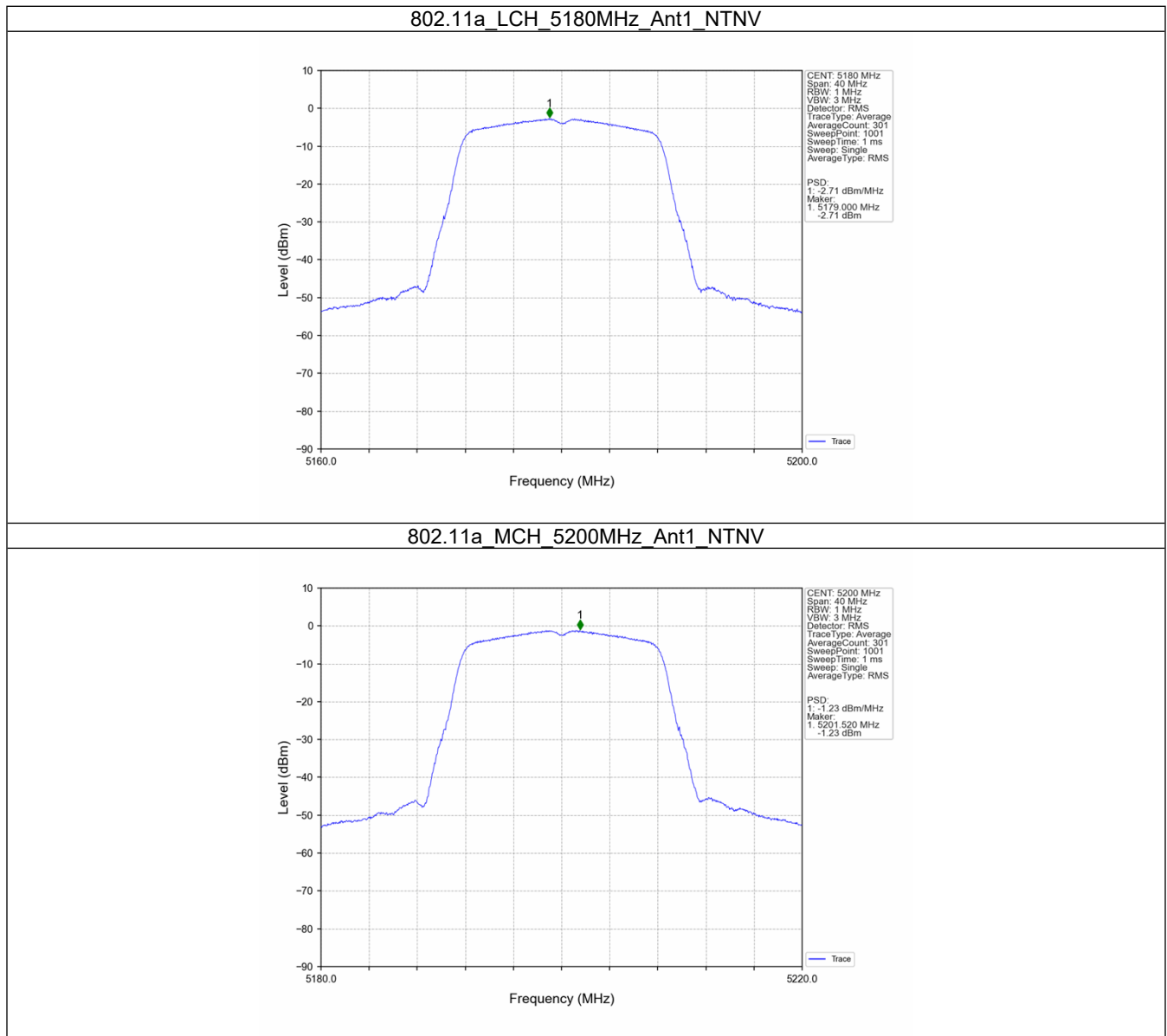
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	-2.71	<=11	Pass
		5200	-1.23	<=11	Pass
		5240	-0.89	<=11	Pass
802.11n (HT20)	SISO	5180	-2.58	<=11	Pass
		5200	-2.54	<=11	Pass
		5240	-2.24	<=11	Pass
802.11n (HT40)	SISO	5190	-5.66	<=11	Pass
		5230	-4.97	<=11	Pass
802.11ac (VHT20)	SISO	5180	-1.40	<=11	Pass
		5200	-0.84	<=11	Pass
		5240	-0.63	<=11	Pass
802.11ac (VHT40)	SISO	5190	-3.74	<=11	Pass
		5230	-3.53	<=11	Pass
802.11ac (VHT80)	SISO	5210	-6.90	<=11	Pass
Note1: Antenna Gain: - Band: 1 Ant1: 2.25dBi; - Band: 3 Ant1: 2.25dBi;					

4.1.2 PSD-Band3

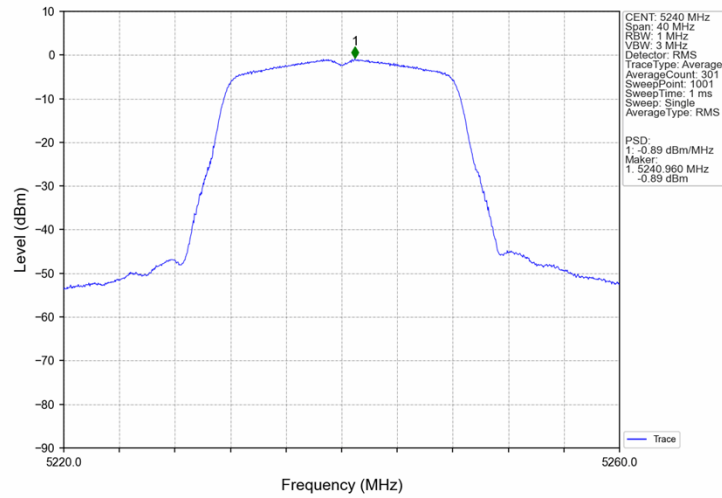
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-5.52	<=30	Pass
		5785	-4.25	<=30	Pass
		5825	-4.44	<=30	Pass
802.11n (HT20)	SISO	5745	-4.21	<=30	Pass
		5785	-4.38	<=30	Pass
		5825	-4.14	<=30	Pass
802.11n (HT40)	SISO	5755	-6.83	<=30	Pass
		5795	-7.25	<=30	Pass
802.11ac (VHT20)	SISO	5745	-4.29	<=30	Pass
		5785	-4.16	<=30	Pass
		5825	-4.21	<=30	Pass
802.11ac (VHT40)	SISO	5755	-7.20	<=30	Pass
		5795	-6.88	<=30	Pass
802.11ac (VHT80)	SISO	5775	-10.40	<=30	Pass
Note1: Antenna Gain: - Band: 3 Ant1: 2.25dBi; - Band: 1 Ant1: 2.25dBi;					

4.2 Test Graph

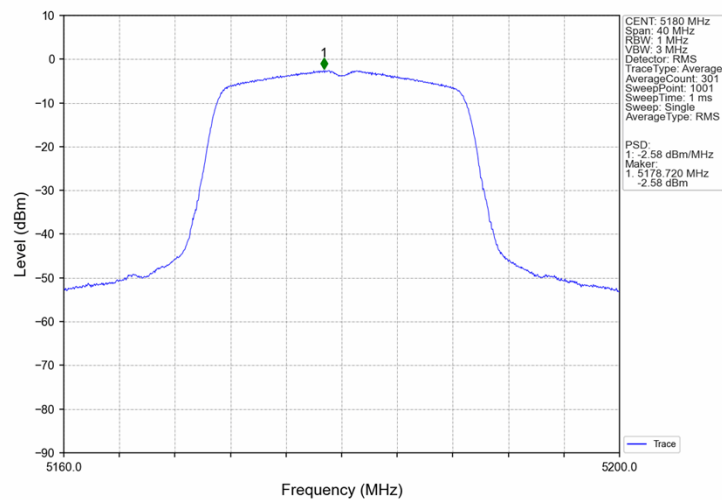
4.2.1 PSD



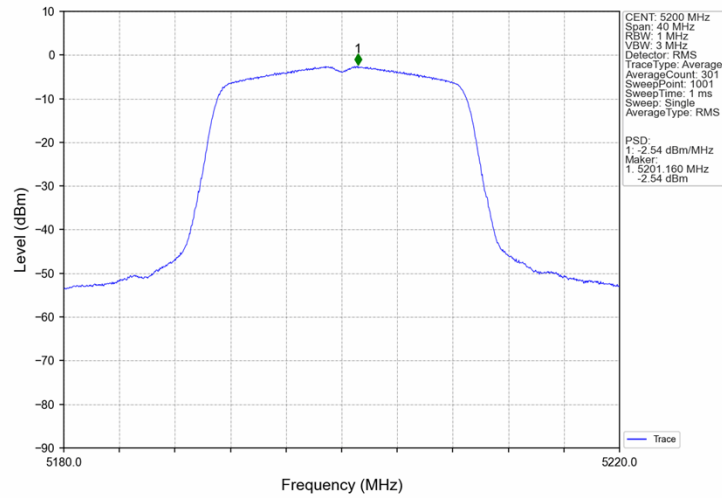
802.11a_HCH_5240MHz_Ant1_NTNV



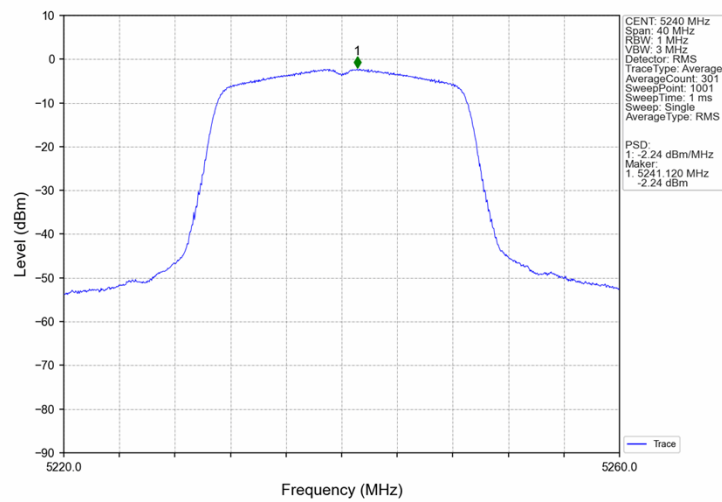
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



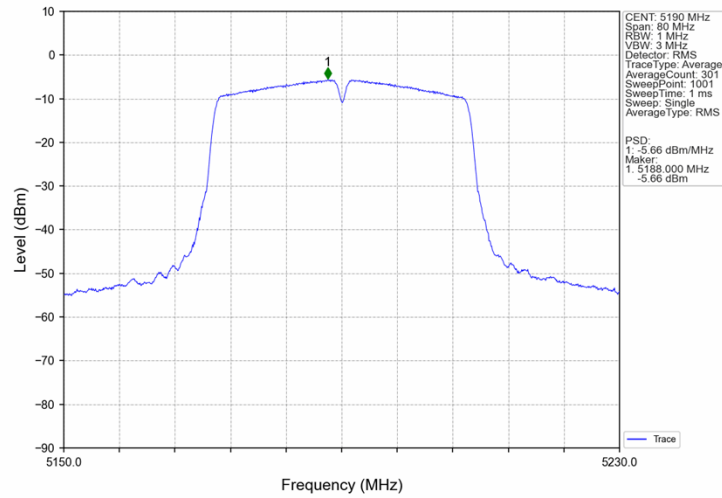
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



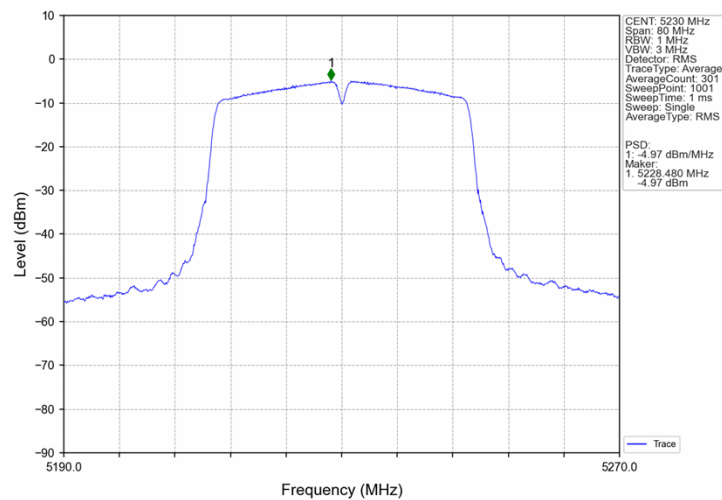
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



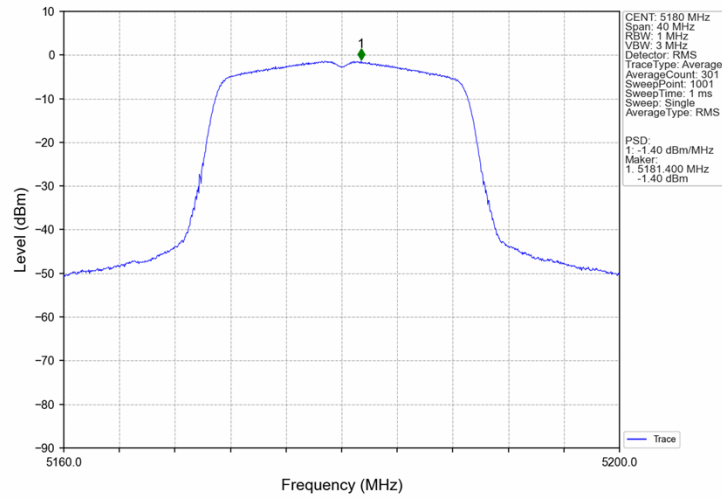
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



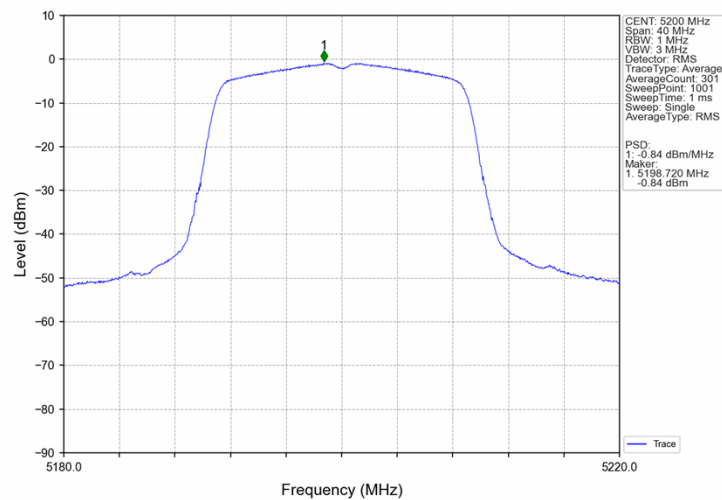
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



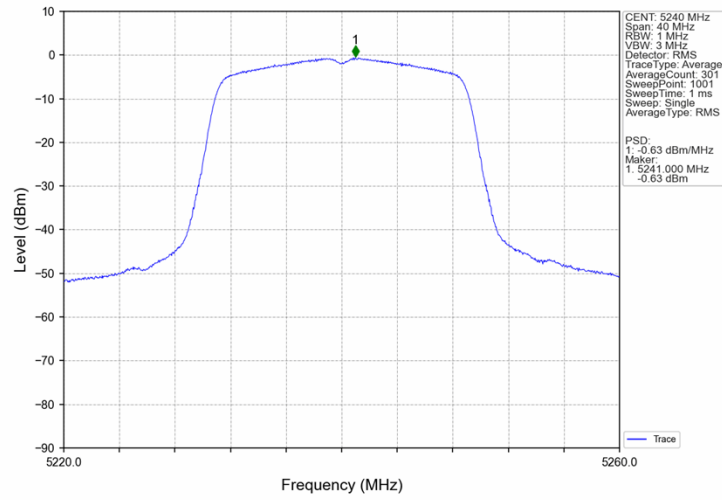
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



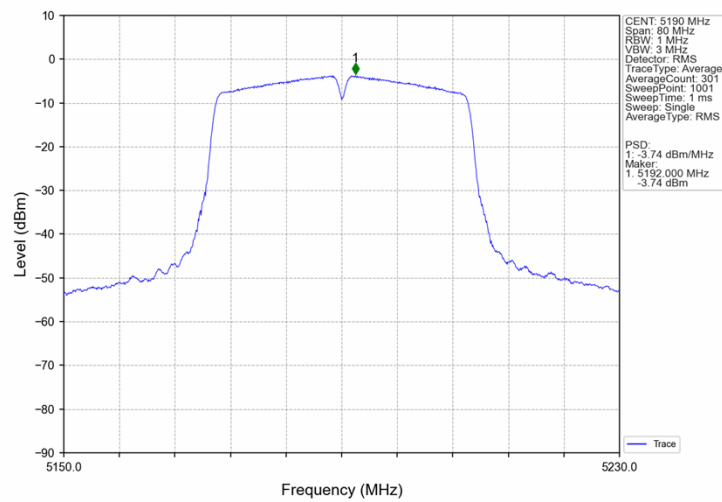
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



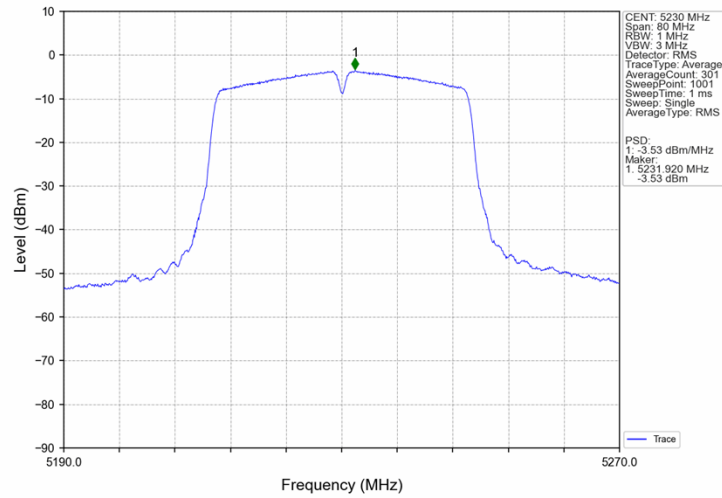
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



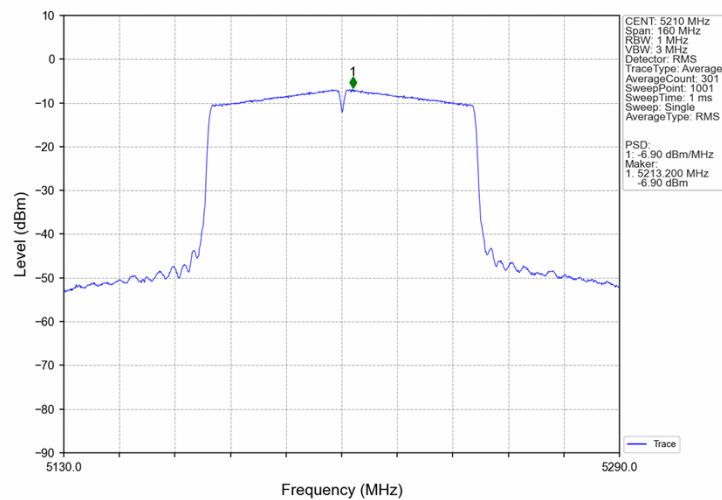
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

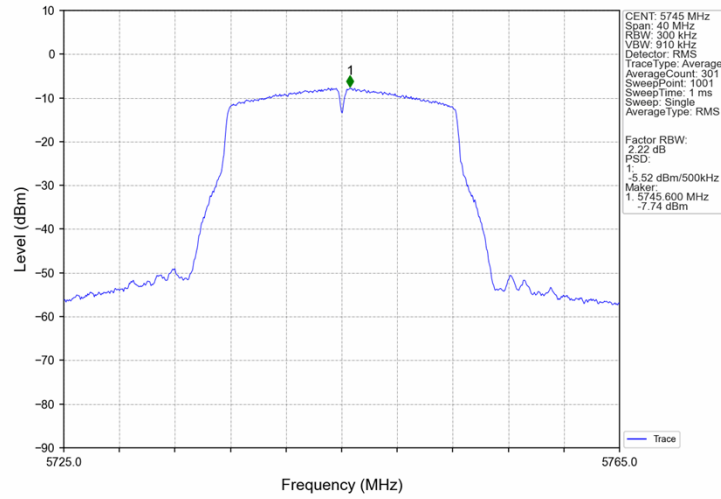


802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

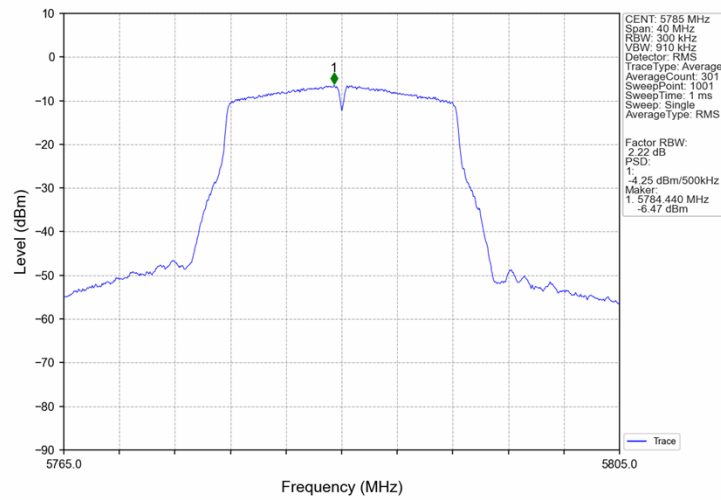


4.2.2 PSD-Band3

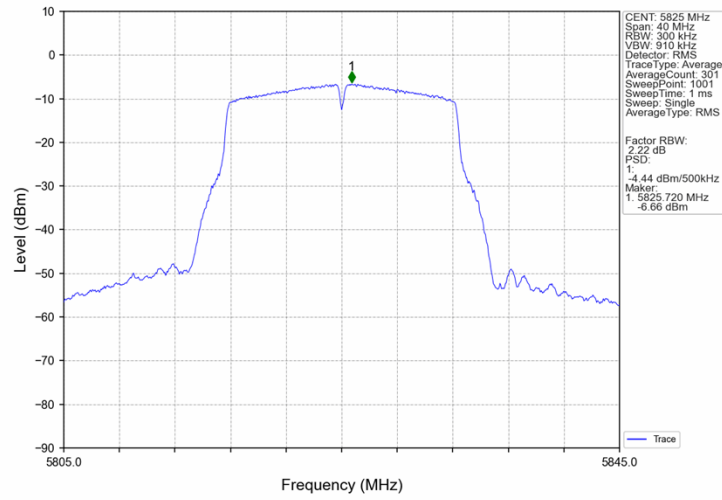
802.11a_LCH_5745MHz_Ant1_NTNV



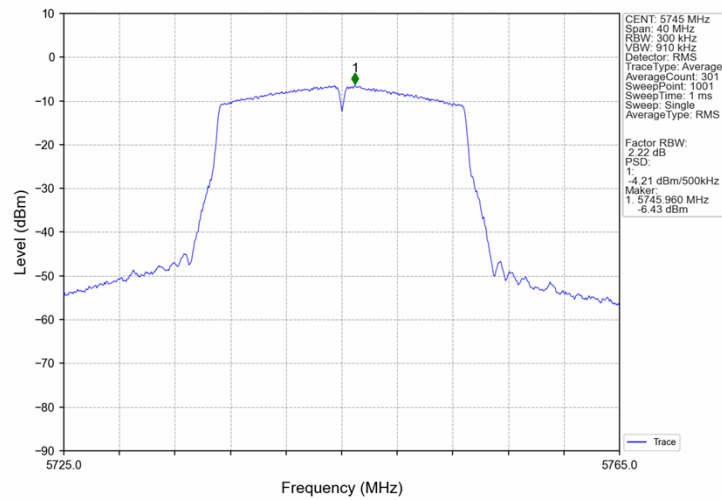
802.11a_MCH_5785MHz_Ant1_NTNV



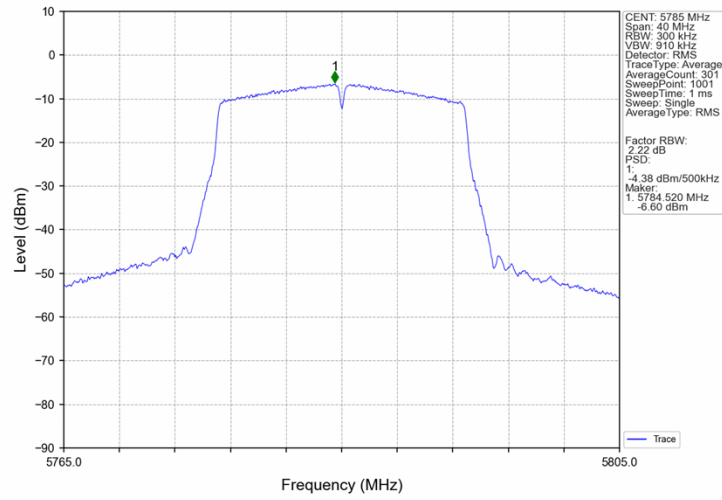
802.11a_HCH_5825MHz_Ant1_NTNV



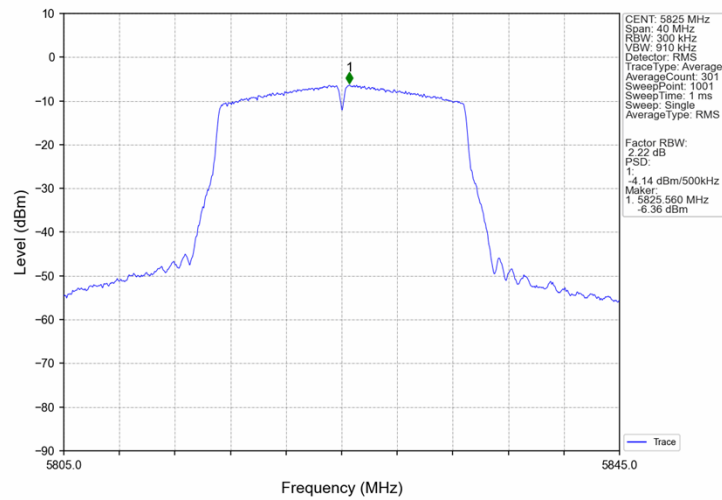
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



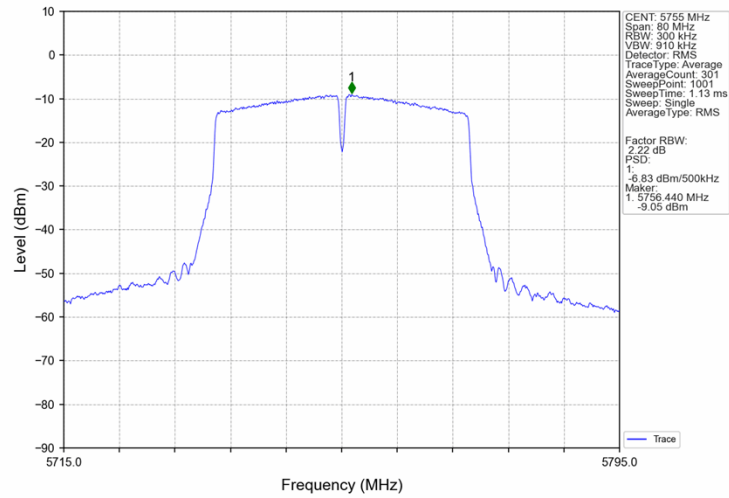
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



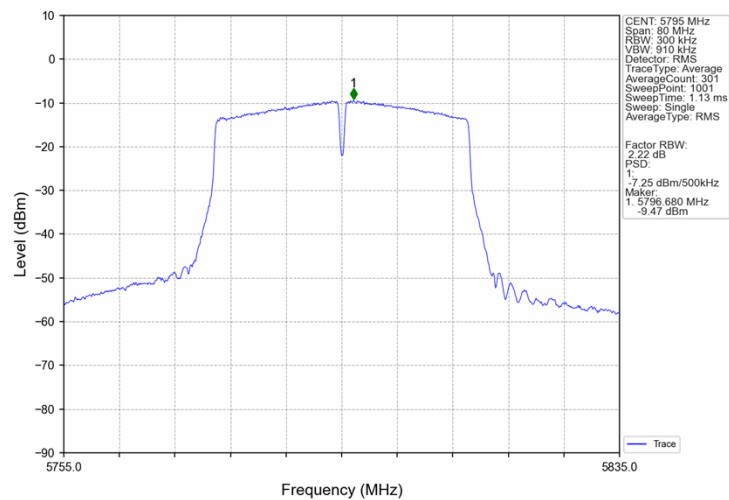
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



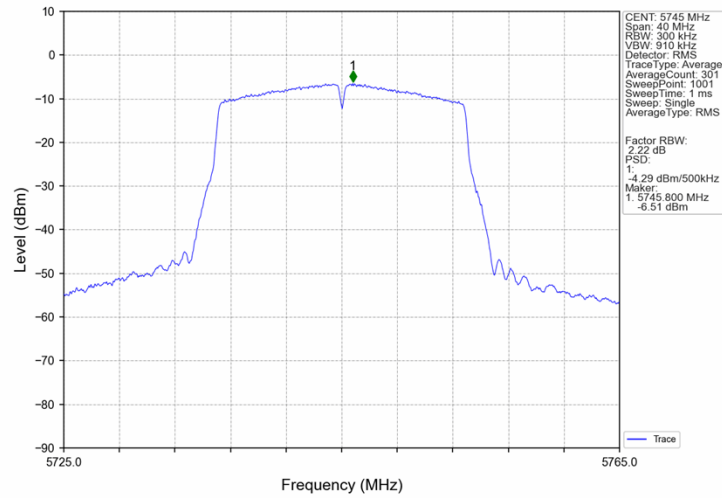
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



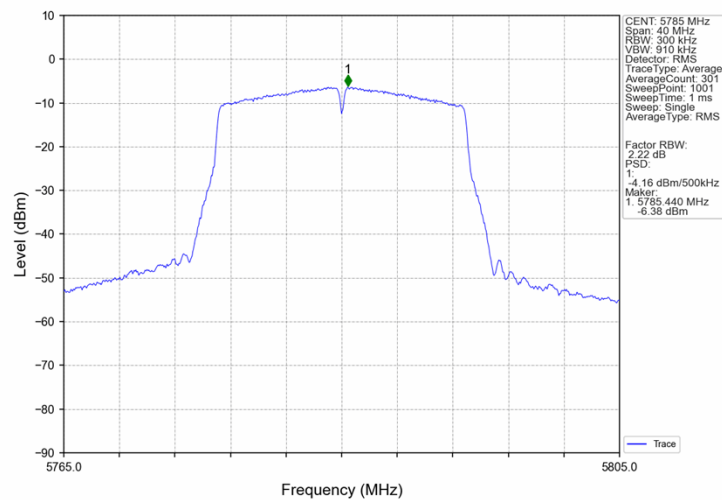
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



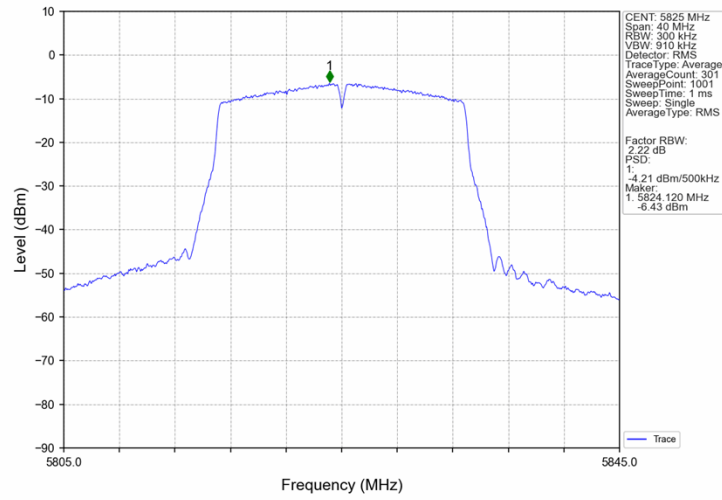
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



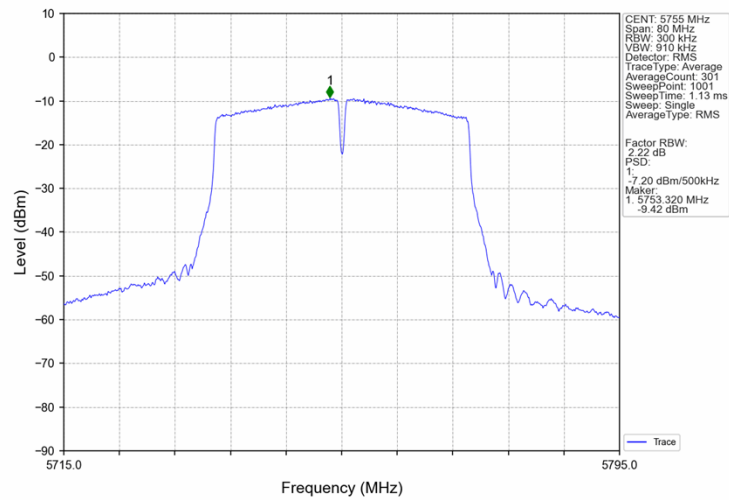
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



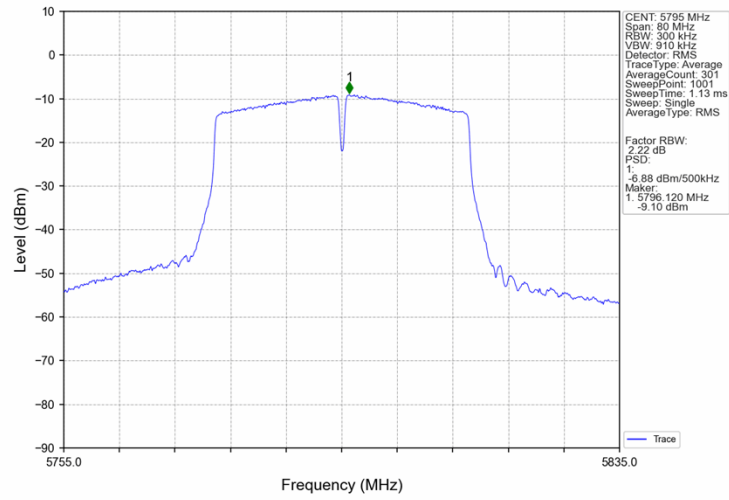
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



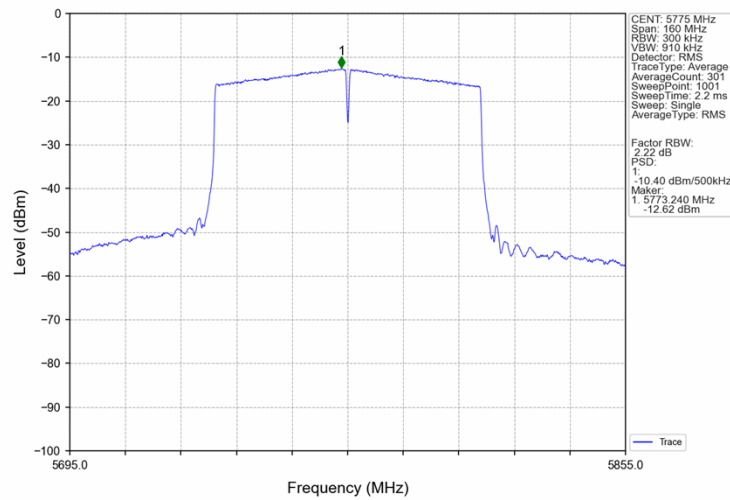
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_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	5180	20	102	5179.973	5150 to 5250	Pass
				120	5179.973	5150 to 5250	Pass
				138	5179.974	5150 to 5250	Pass
			-30	120	5179.975	5150 to 5250	Pass
			-20	120	5179.975	5150 to 5250	Pass
			-10	120	5179.976	5150 to 5250	Pass
			0	120	5179.976	5150 to 5250	Pass
			10	120	5179.977	5150 to 5250	Pass
			30	120	5179.977	5150 to 5250	Pass
			40	120	5179.978	5150 to 5250	Pass
			50	120	5179.978	5150 to 5250	Pass
		5200	20	102	5199.979	5150 to 5250	Pass
				120	5199.979	5150 to 5250	Pass
				138	5199.980	5150 to 5250	Pass
			-30	120	5199.981	5150 to 5250	Pass
			-20	120	5199.981	5150 to 5250	Pass
			-10	120	5199.981	5150 to 5250	Pass
			0	120	5199.981	5150 to 5250	Pass
			10	120	5199.981	5150 to 5250	Pass
			30	120	5199.981	5150 to 5250	Pass
			40	120	5199.982	5150 to 5250	Pass
			50	120	5199.982	5150 to 5250	Pass
		5240	20	102	5239.985	5150 to 5250	Pass
				120	5239.986	5150 to 5250	Pass
				138	5239.986	5150 to 5250	Pass
			-30	120	5239.987	5150 to 5250	Pass
			-20	120	5239.987	5150 to 5250	Pass
			-10	120	5239.987	5150 to 5250	Pass
			0	120	5239.987	5150 to 5250	Pass
			10	120	5239.987	5150 to 5250	Pass
			30	120	5239.987	5150 to 5250	Pass
			40	120	5239.987	5150 to 5250	Pass
			50	120	5239.988	5150 to 5250	Pass
		5745	20	102	5744.981	5725 to 5850	Pass
				120	5744.982	5725 to 5850	Pass
				138	5744.985	5725 to 5850	Pass
			-30	120	5744.985	5725 to 5850	Pass
			-20	120	5744.987	5725 to 5850	Pass
			-10	120	5744.987	5725 to 5850	Pass
			0	120	5744.987	5725 to 5850	Pass
			10	120	5744.988	5725 to 5850	Pass
			30	120	5744.989	5725 to 5850	Pass
			40	120	5744.989	5725 to 5850	Pass
			50	120	5744.989	5725 to 5850	Pass
		5785	20	102	5784.985	5725 to 5850	Pass
				120	5784.987	5725 to 5850	Pass

				138	5784.988	5725 to 5850	Pass
			-30	120	5784.989	5725 to 5850	Pass
			-20	120	5784.989	5725 to 5850	Pass
			-10	120	5784.990	5725 to 5850	Pass
			0	120	5784.990	5725 to 5850	Pass
			10	120	5784.814	5725 to 5850	Pass
			30	120	5784.555	5725 to 5850	Pass
			40	120	5785.214	5725 to 5850	Pass
			50	120	5784.608	5725 to 5850	Pass
		5825	20	102	5824.974	5725 to 5850	Pass
				120	5824.971	5725 to 5850	Pass
				138	5824.970	5725 to 5850	Pass
			-30	120	5824.969	5725 to 5850	Pass
			-20	120	5824.968	5725 to 5850	Pass
			-10	120	5824.968	5725 to 5850	Pass
			0	120	5824.968	5725 to 5850	Pass
			10	120	5824.968	5725 to 5850	Pass
			30	120	5824.968	5725 to 5850	Pass
			40	120	5824.969	5725 to 5850	Pass
			50	120	5824.969	5725 to 5850	Pass
		5190	20	102	5189.973	5150 to 5250	Pass
				120	5189.973	5150 to 5250	Pass
				138	5189.973	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	5189.975	5150 to 5250	Pass
			10	120	5189.975	5150 to 5250	Pass
			30	120	5189.976	5150 to 5250	Pass
			40	120	5189.976	5150 to 5250	Pass
			50	120	5189.976	5150 to 5250	Pass
		5230	20	102	5229.974	5150 to 5250	Pass
				120	5229.973	5150 to 5250	Pass
				138	5229.972	5150 to 5250	Pass
			-30	120	5229.972	5150 to 5250	Pass
			-20	120	5229.972	5150 to 5250	Pass
			-10	120	5229.971	5150 to 5250	Pass
			0	120	5229.971	5150 to 5250	Pass
			10	120	5229.972	5150 to 5250	Pass
			30	120	5229.972	5150 to 5250	Pass
			40	120	5229.972	5150 to 5250	Pass
			50	120	5229.972	5150 to 5250	Pass
		5755	20	102	5754.970	5725 to 5850	Pass
				120	5754.970	5725 to 5850	Pass
				138	5754.971	5725 to 5850	Pass
			-30	120	5754.971	5725 to 5850	Pass
			-20	120	5754.972	5725 to 5850	Pass
			-10	120	5754.973	5725 to 5850	Pass
			0	120	5754.973	5725 to 5850	Pass
			10	120	5754.974	5725 to 5850	Pass
			30	120	5754.975	5725 to 5850	Pass
			40	120	5754.975	5725 to 5850	Pass
			50	120	5754.976	5725 to 5850	Pass
		5795	20	102	5794.976	5725 to 5850	Pass
				120	5794.977	5725 to 5850	Pass
				138	5794.978	5725 to 5850	Pass
			-30	120	5794.979	5725 to 5850	Pass
			-20	120	5794.980	5725 to 5850	Pass
			-10	120	5794.980	5725 to 5850	Pass



			0	120	5794.981	5725 to 5850	Pass
			10	120	5794.981	5725 to 5850	Pass
			30	120	5794.982	5725 to 5850	Pass
			40	120	5794.982	5725 to 5850	Pass
			50	120	5794.983	5725 to 5850	Pass
		5210	20	102	5209.972	5150 to 5250	Pass
				120	5209.972	5150 to 5250	Pass
				138	5209.972	5150 to 5250	Pass
			-30	120	5209.972	5150 to 5250	Pass
			-20	120	5209.972	5150 to 5250	Pass
			-10	120	5209.972	5150 to 5250	Pass
			0	120	5209.973	5150 to 5250	Pass
			10	120	5209.973	5150 to 5250	Pass
			30	120	5209.974	5150 to 5250	Pass
			40	120	5209.974	5150 to 5250	Pass
			50	120	5210.398	5150 to 5250	Pass
		5775	20	102	5774.979	5725 to 5850	Pass
				120	5774.975	5725 to 5850	Pass
				138	5774.973	5725 to 5850	Pass
			-30	120	5774.972	5725 to 5850	Pass
			-20	120	5774.971	5725 to 5850	Pass
			-10	120	5774.970	5725 to 5850	Pass
			0	120	5774.969	5725 to 5850	Pass
			10	120	5774.969	5725 to 5850	Pass
			30	120	5774.969	5725 to 5850	Pass
			40	120	5774.969	5725 to 5850	Pass
			50	120	5774.969	5725 to 5850	Pass

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