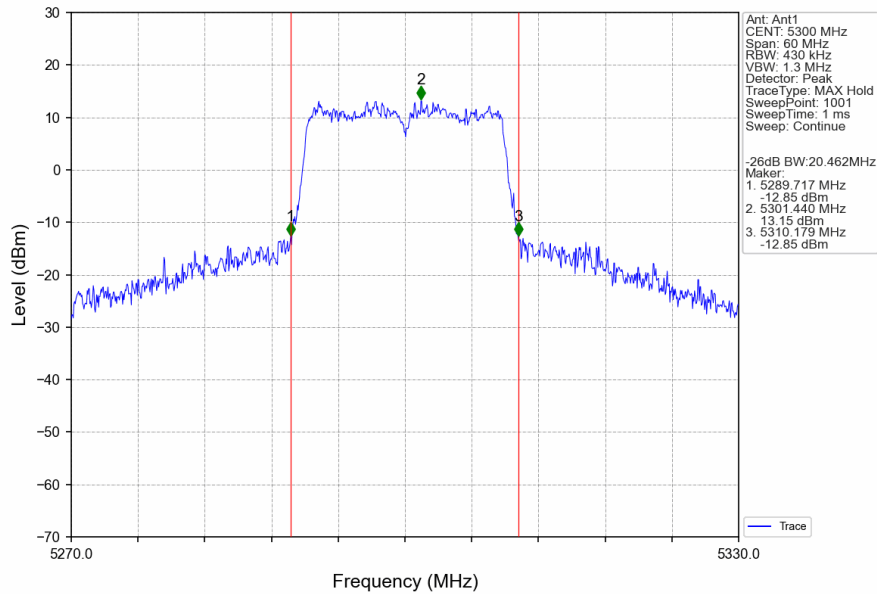
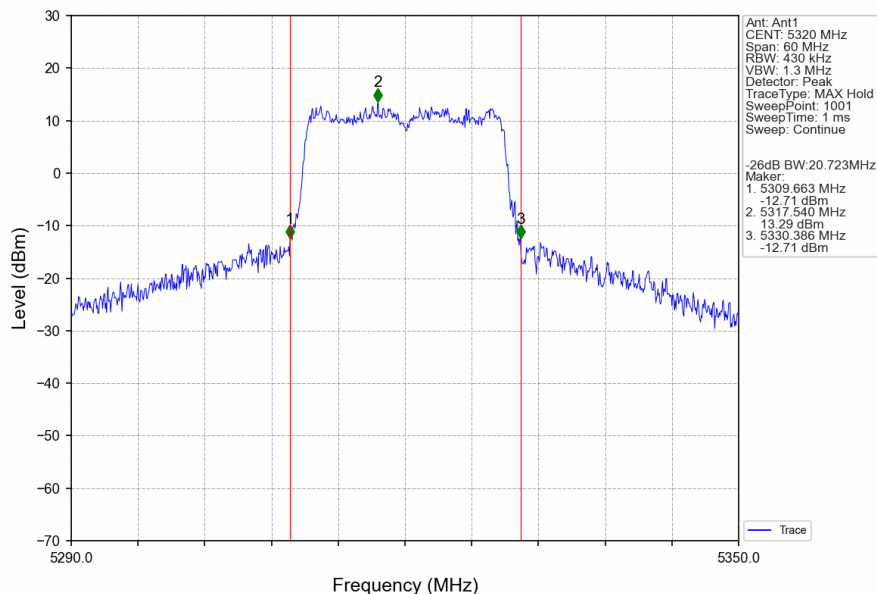


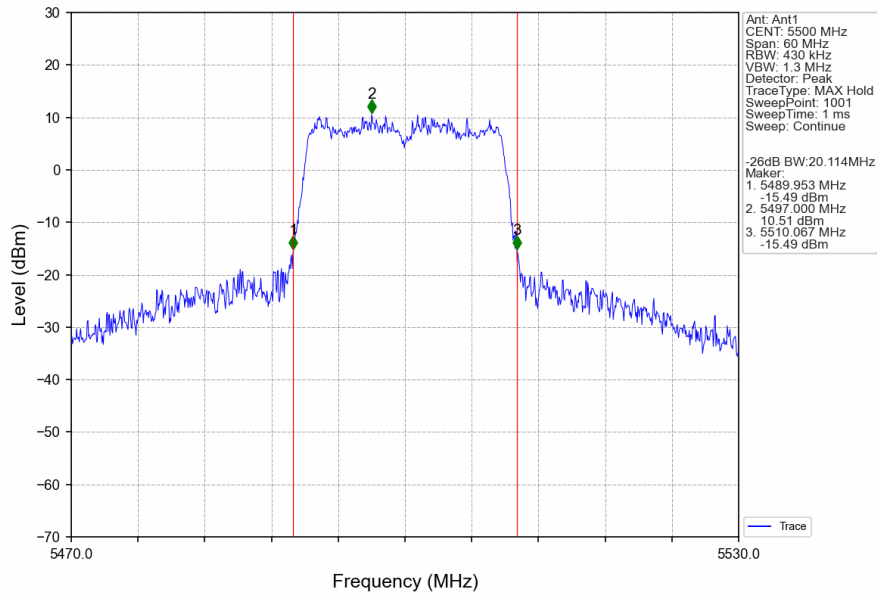
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



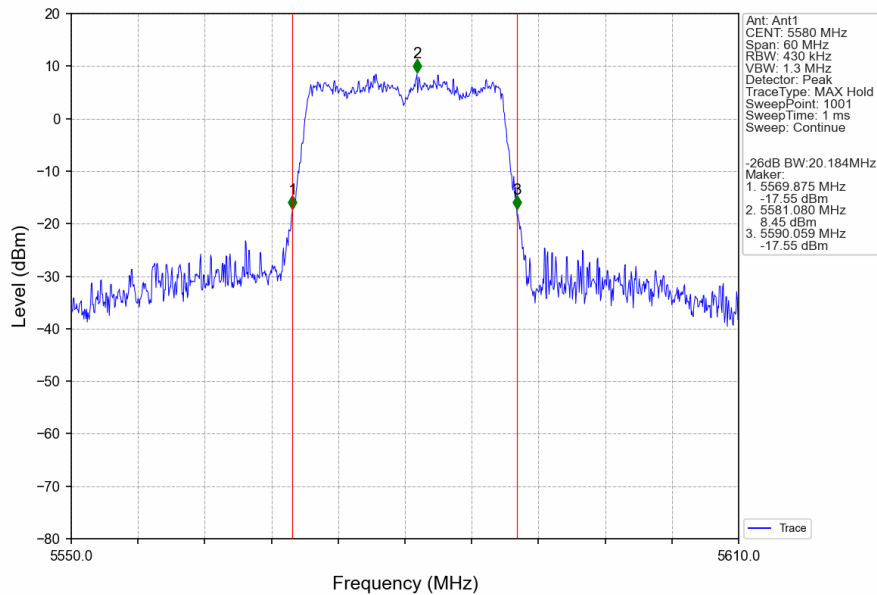
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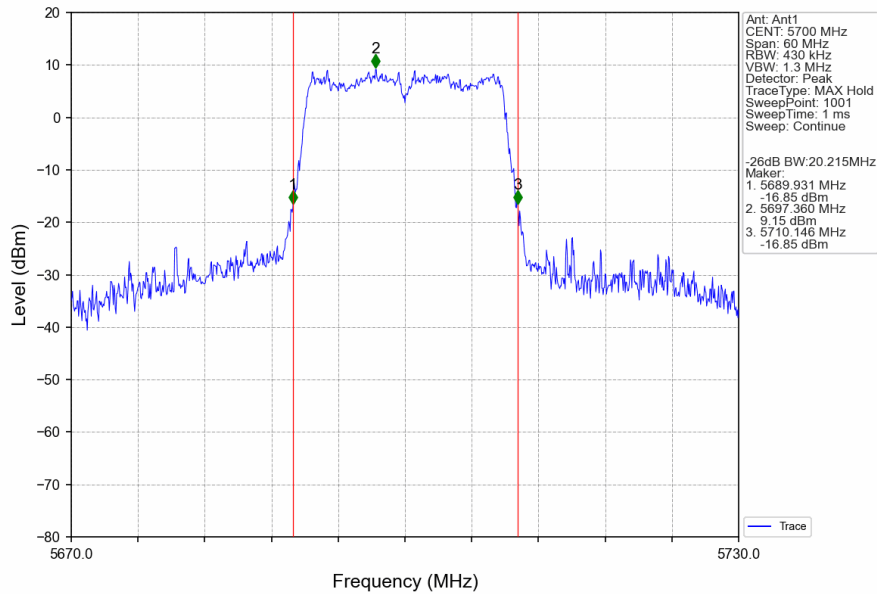
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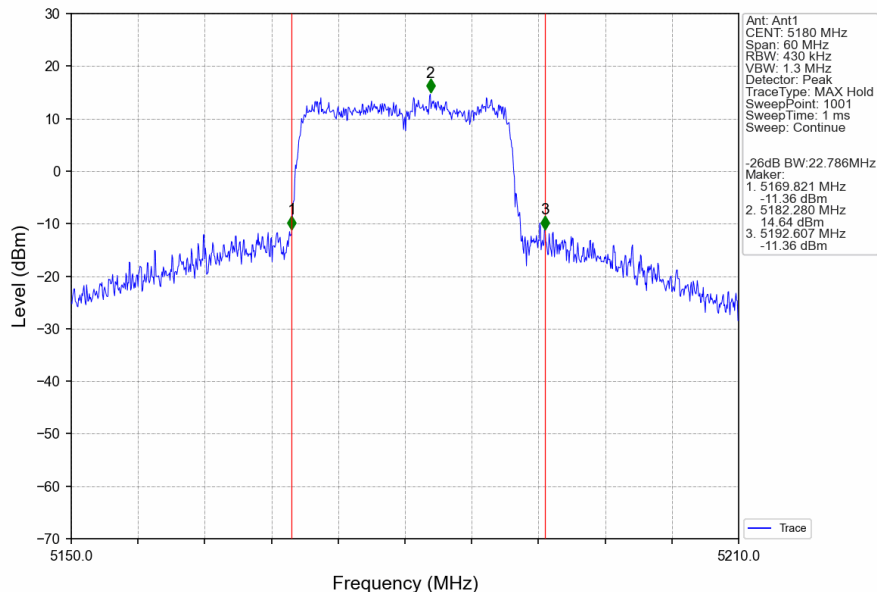
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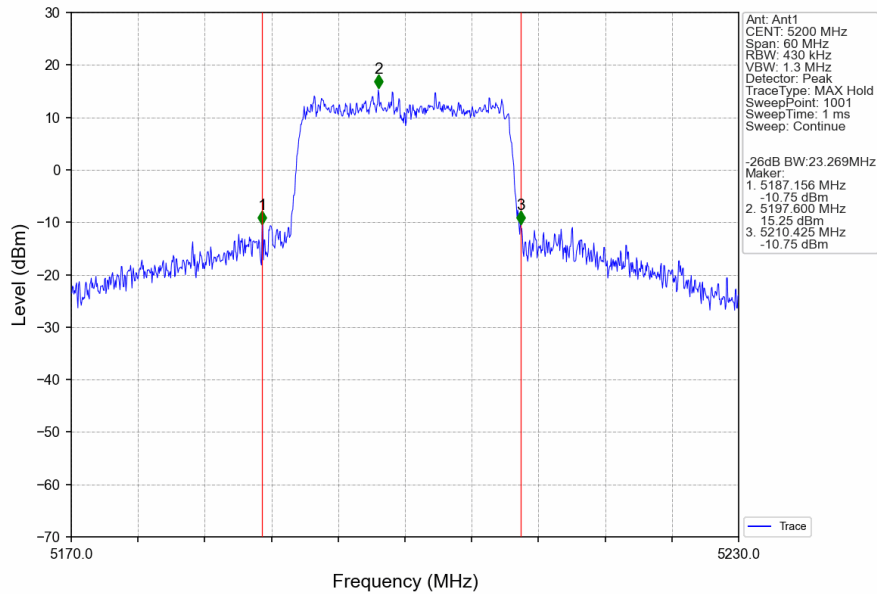
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



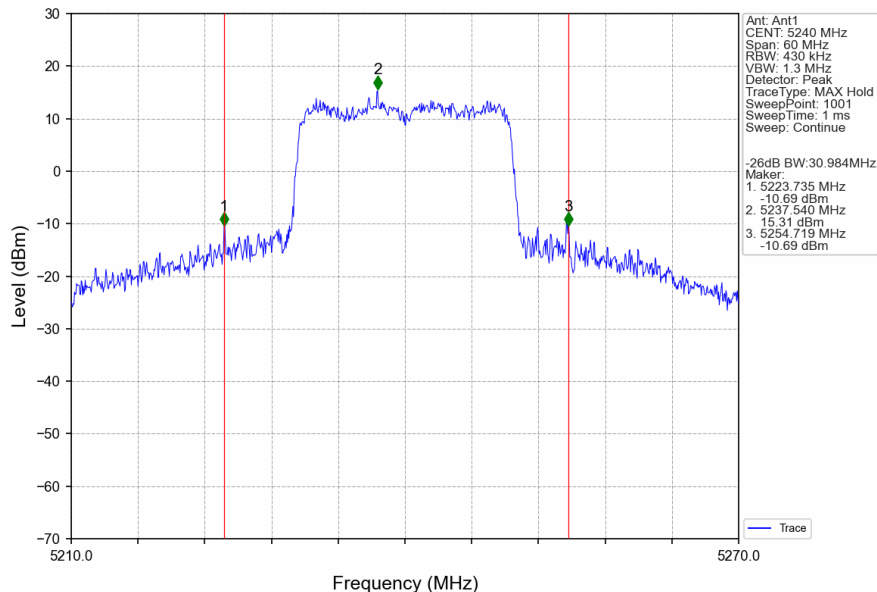
802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant1_NTNV



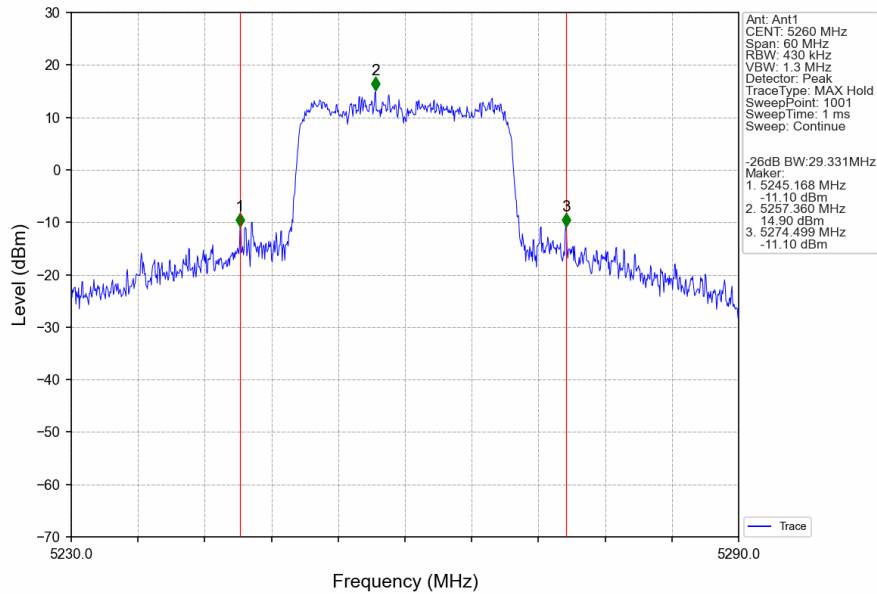
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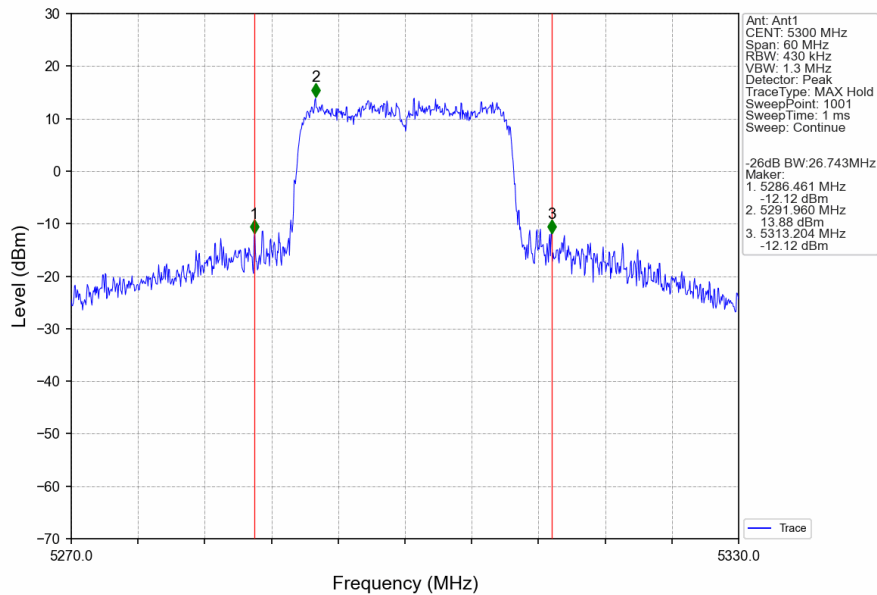
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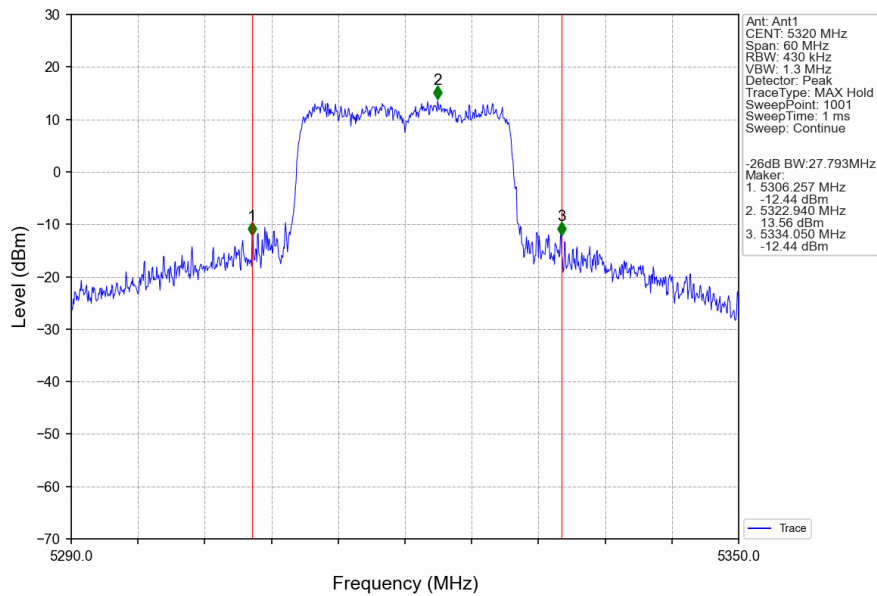
802.11ax(HEW20)_LCH_5260MHz_RU242_Left_Ant1_NTNV



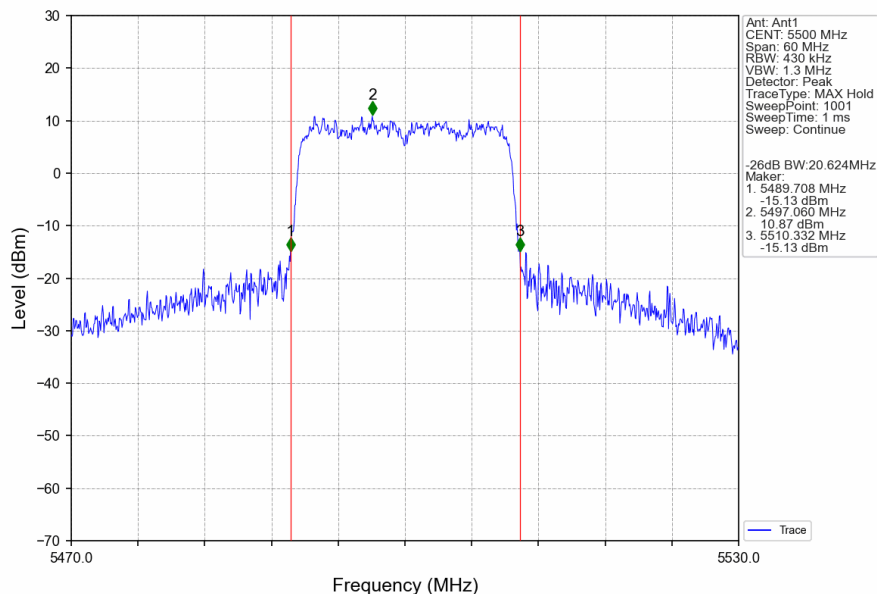
802.11ax(HEW20)_MCH_5300MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW20)_HCH_5320MHz_RU242_Left_Ant1_NTNV



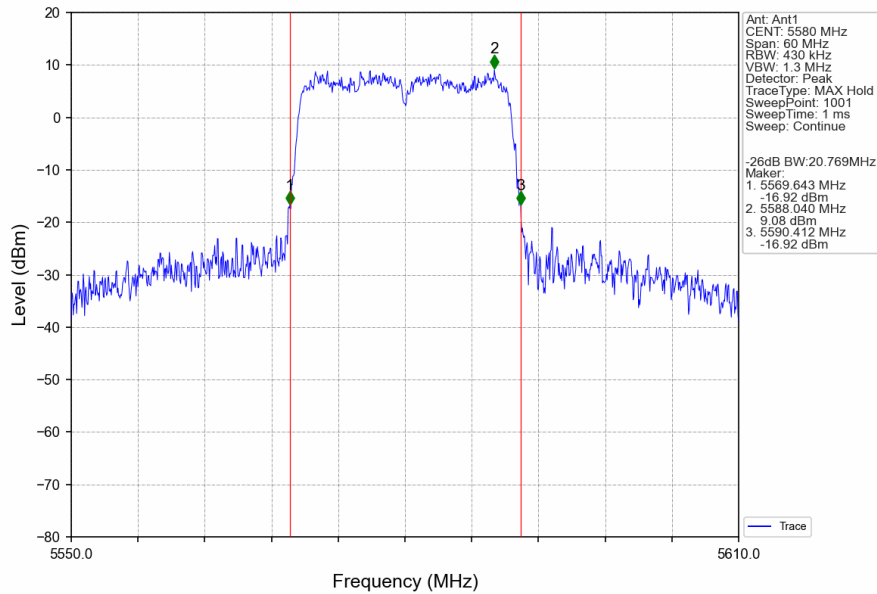
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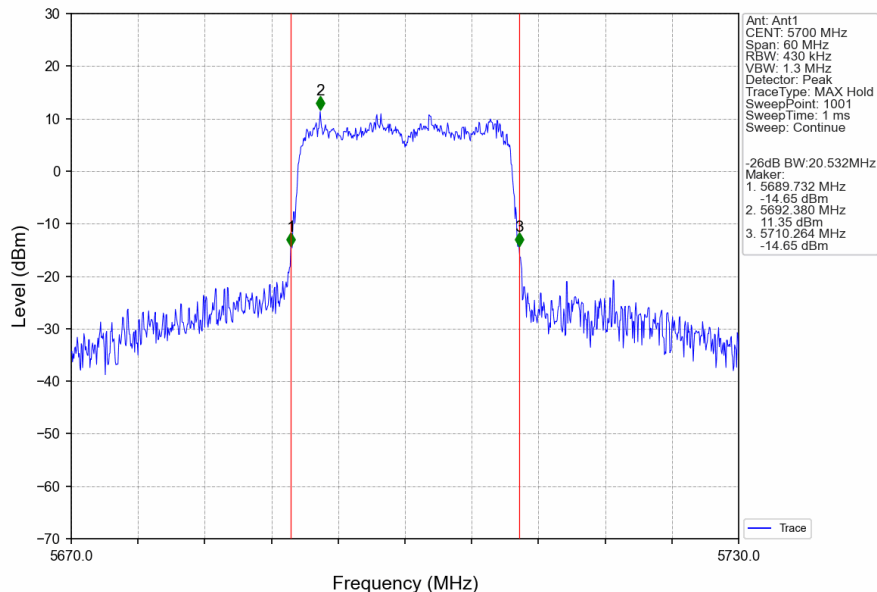
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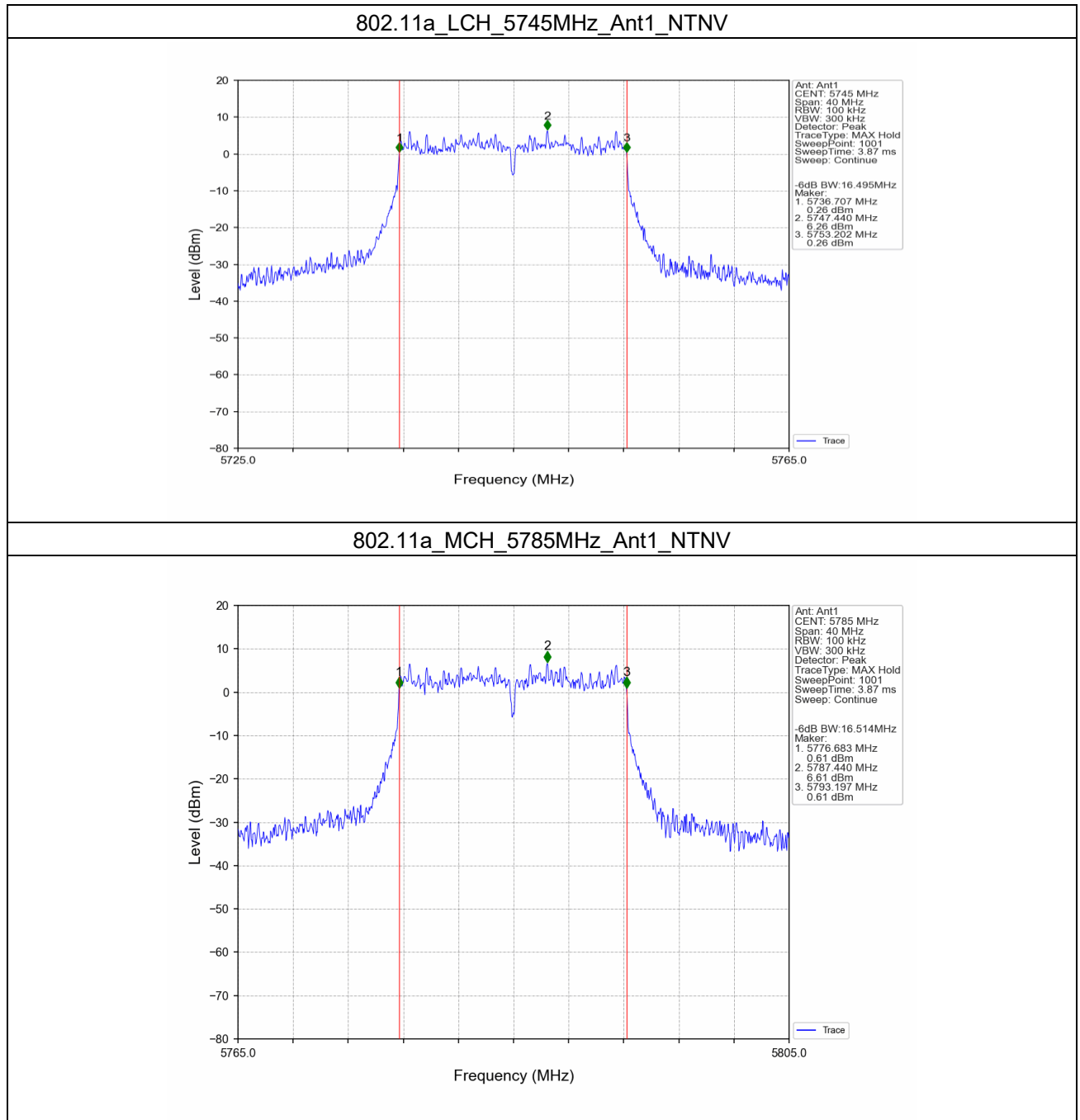
802.11ax(HEW20)_MCH_5580MHz_RU242_Left_Ant1_NTNV



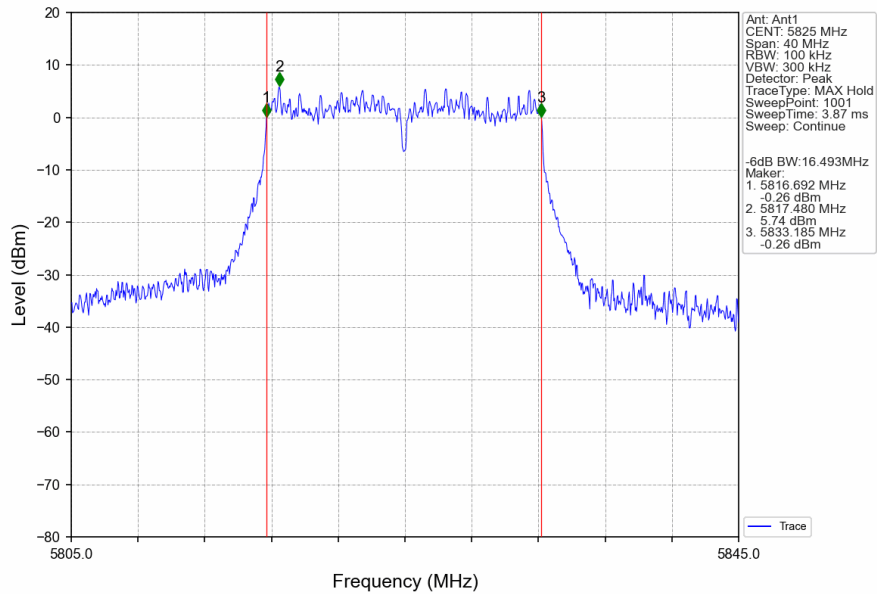
802.11ax(HEW20)_HCH_5700MHz_RU242_Left_Ant1_NTNV



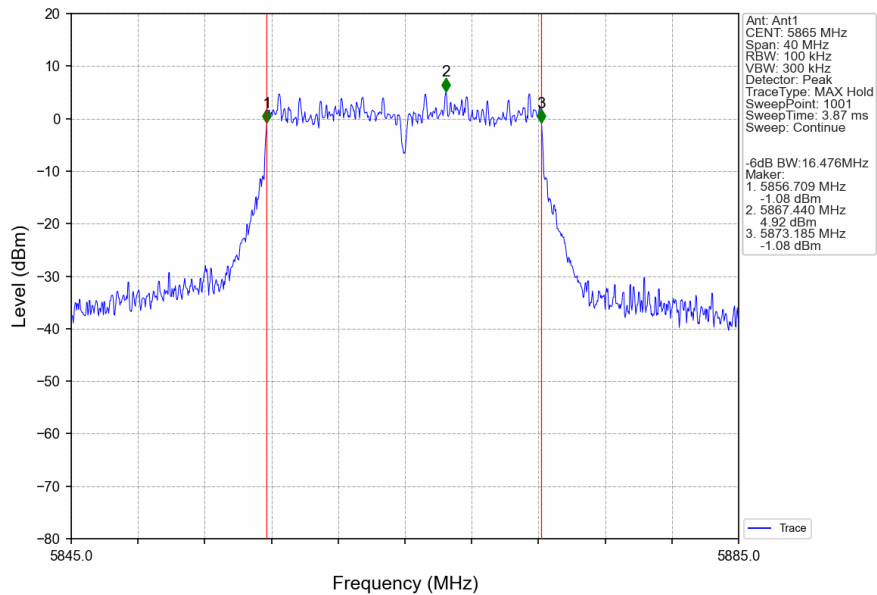
2.2.3 6dB BW



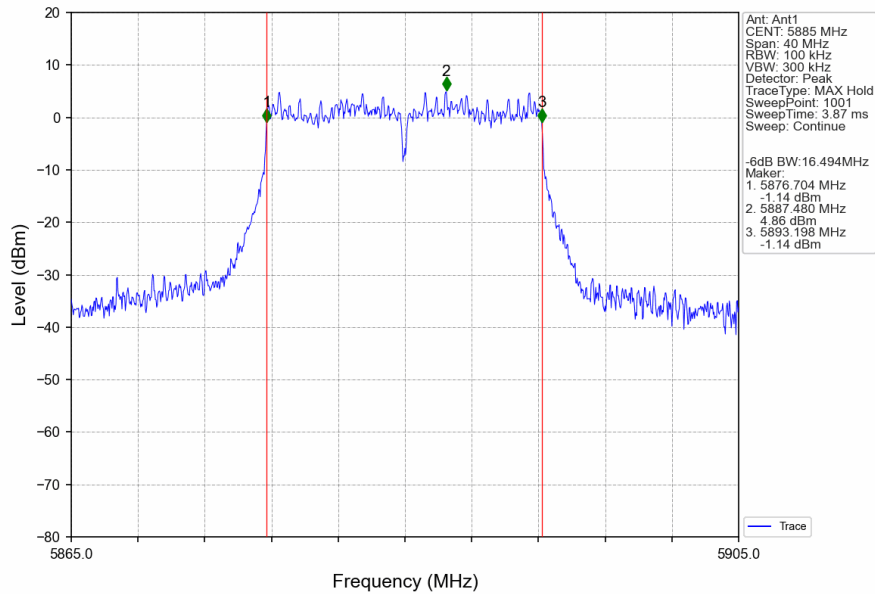
802.11a_HCH_5825MHz_Ant1_NTNV



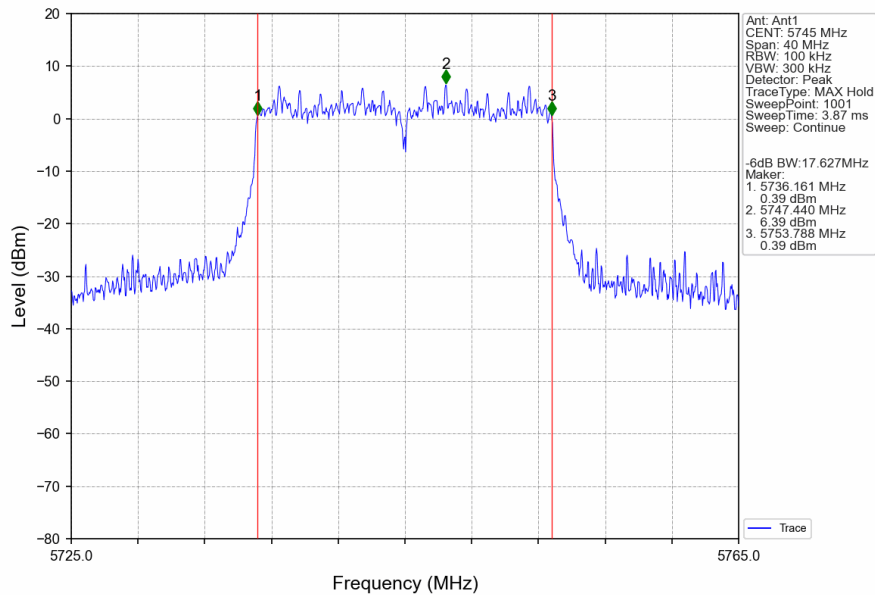
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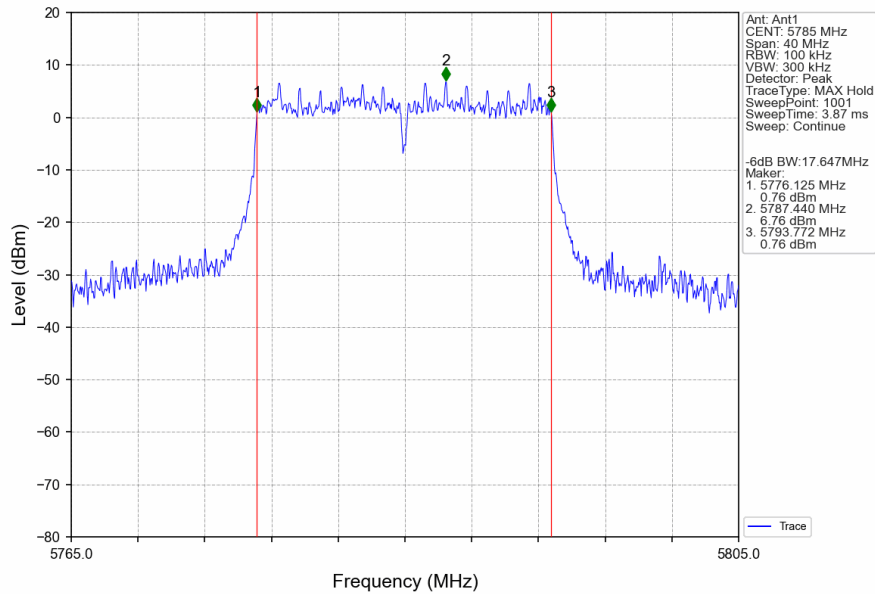
802.11a_HCH_5885MHz_Ant1_NTNV



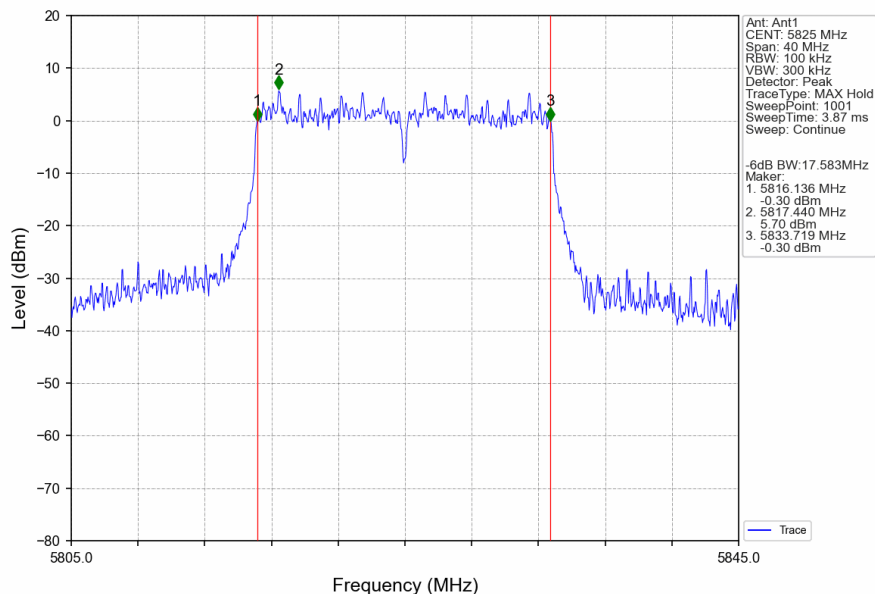
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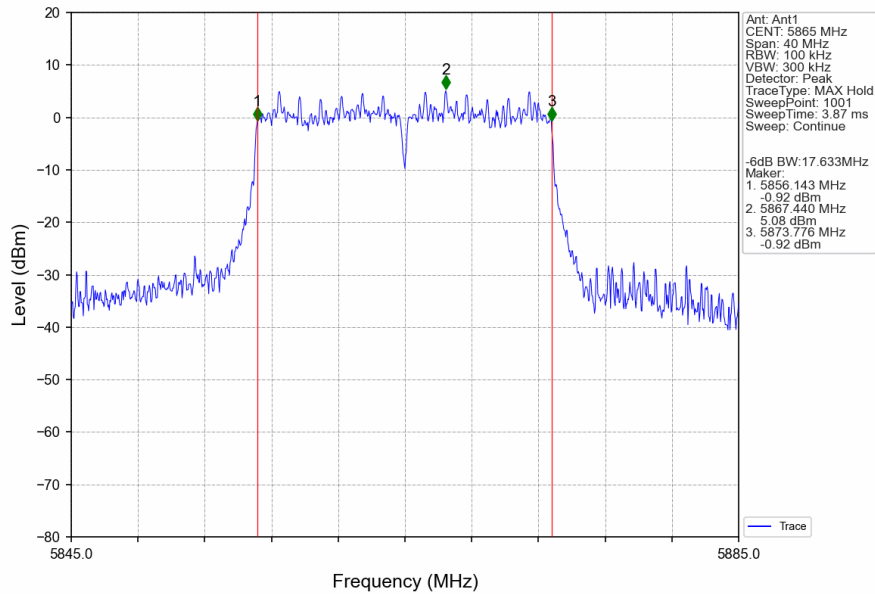
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



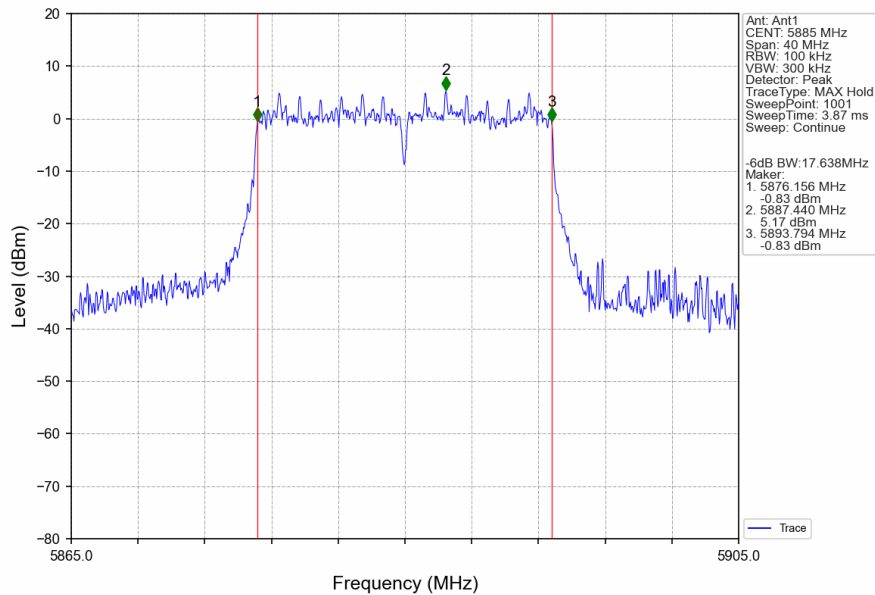
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



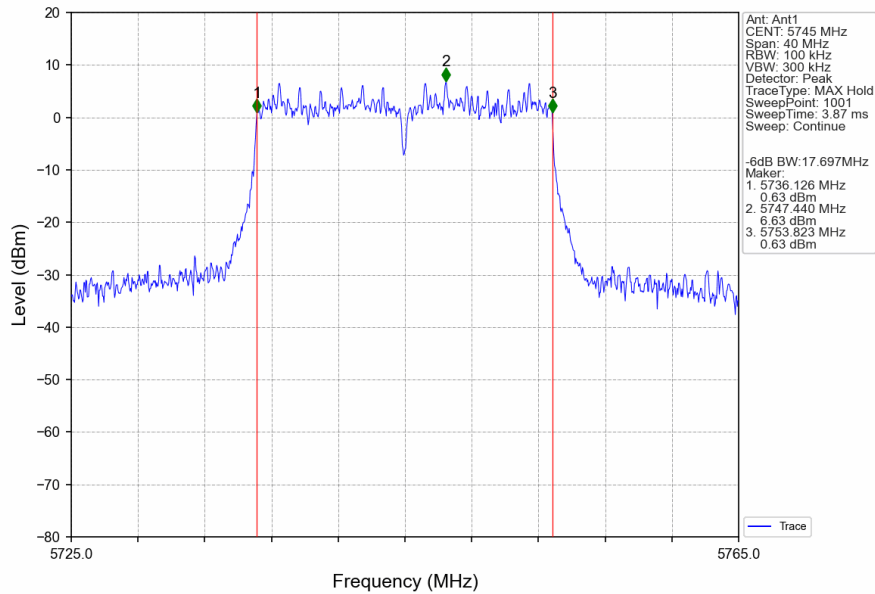
802.11n(HT20)_LCH_5865MHz_Ant1_NTNV



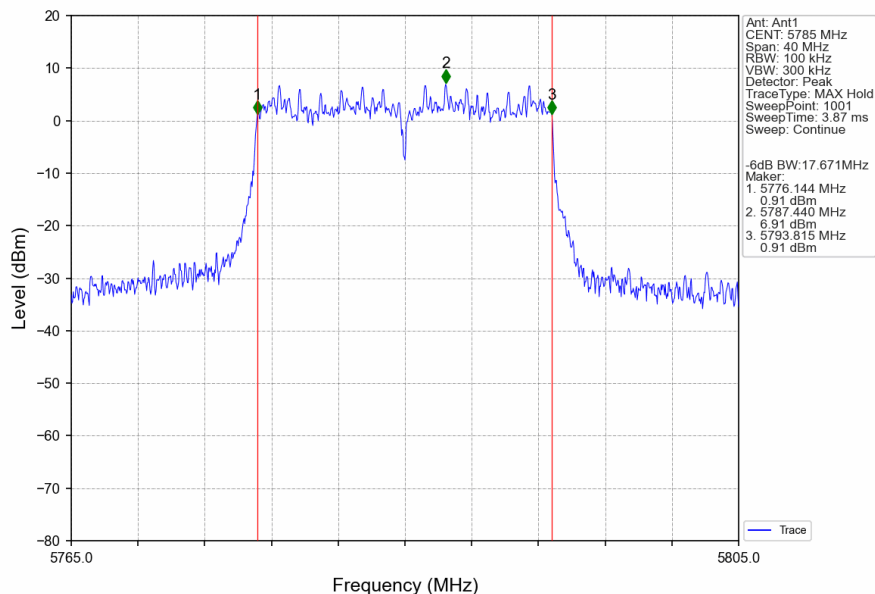
802.11n(HT20)_HCH_5885MHz_Ant1_NTNV



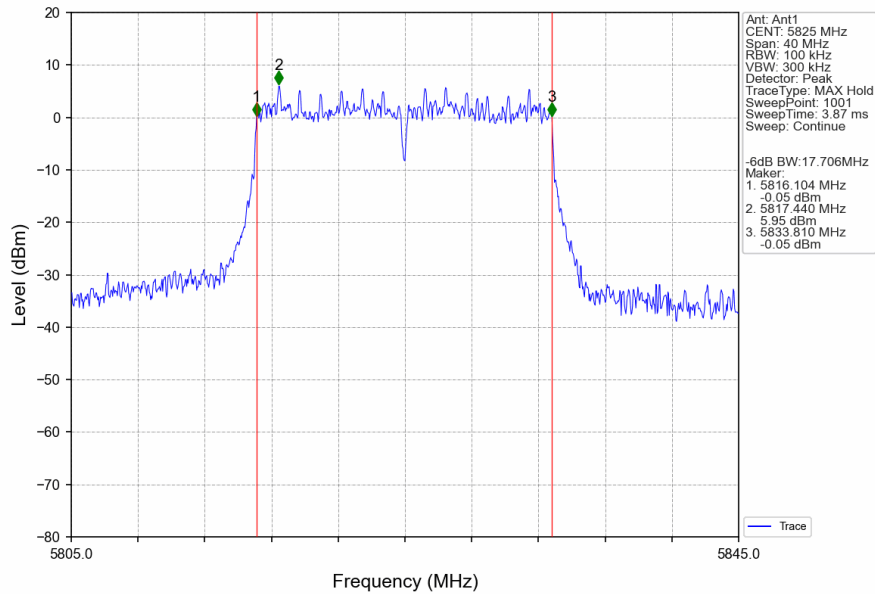
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



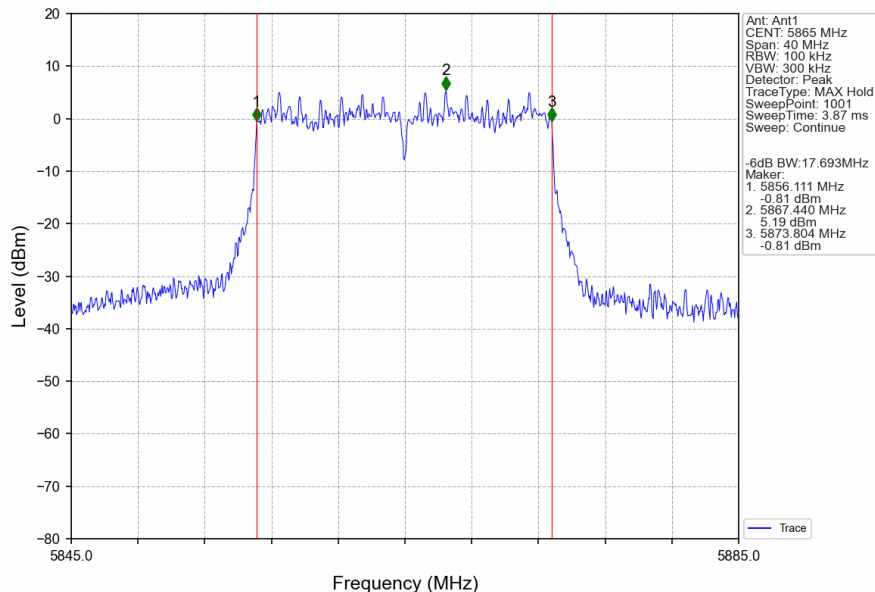
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



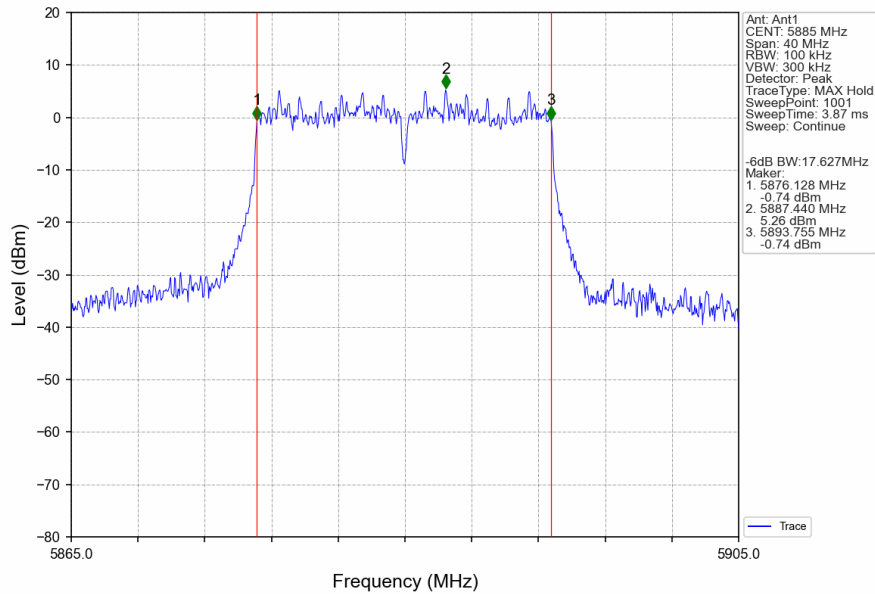
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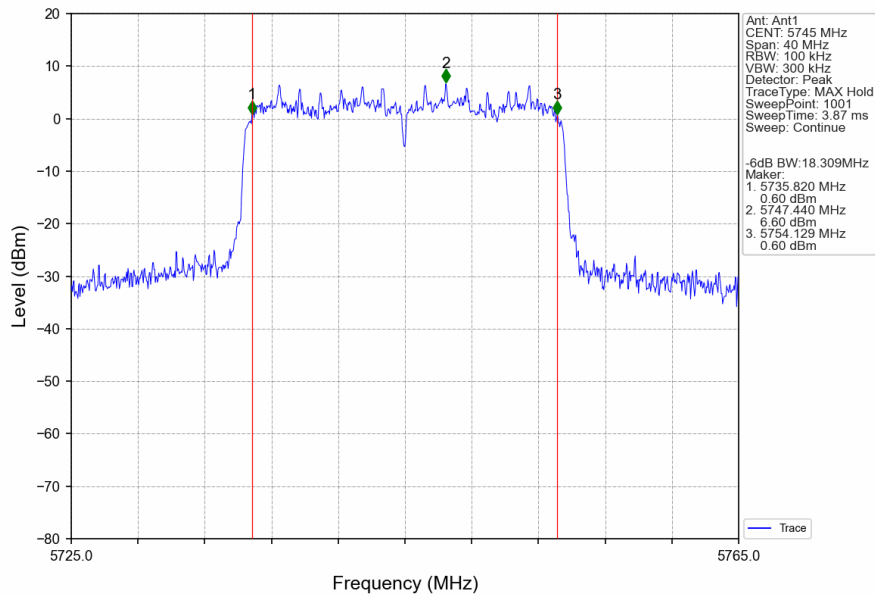
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802.11ac(VHT20)_HCH_5885MHz_Ant1_NTNV



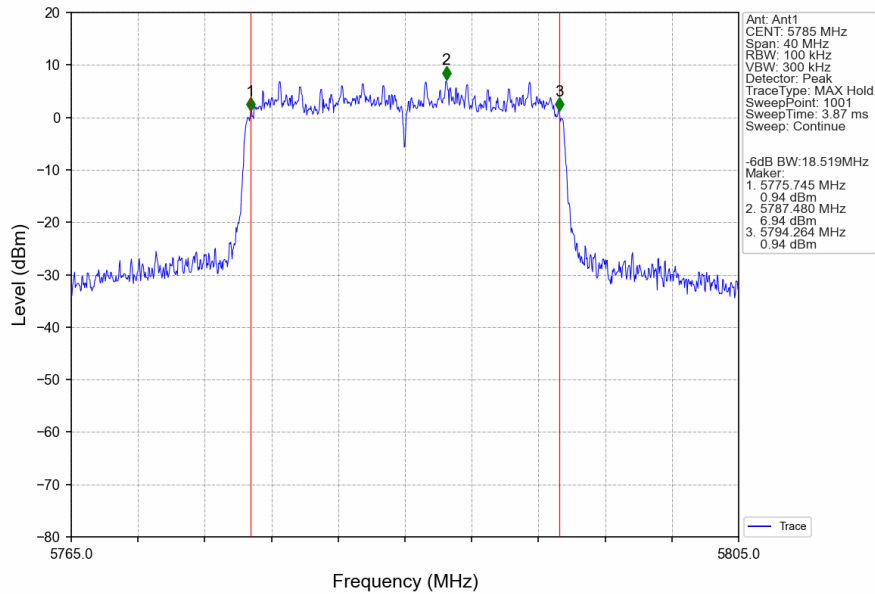
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



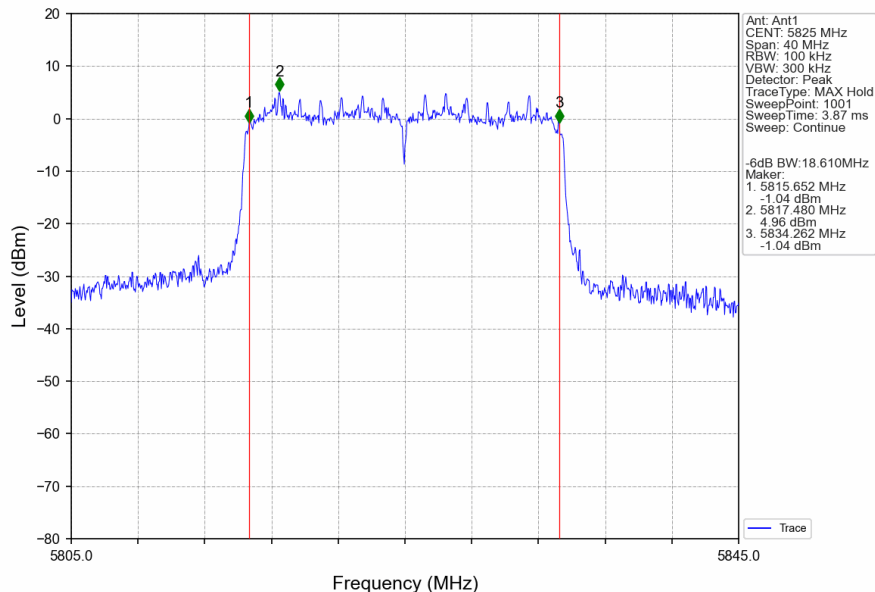
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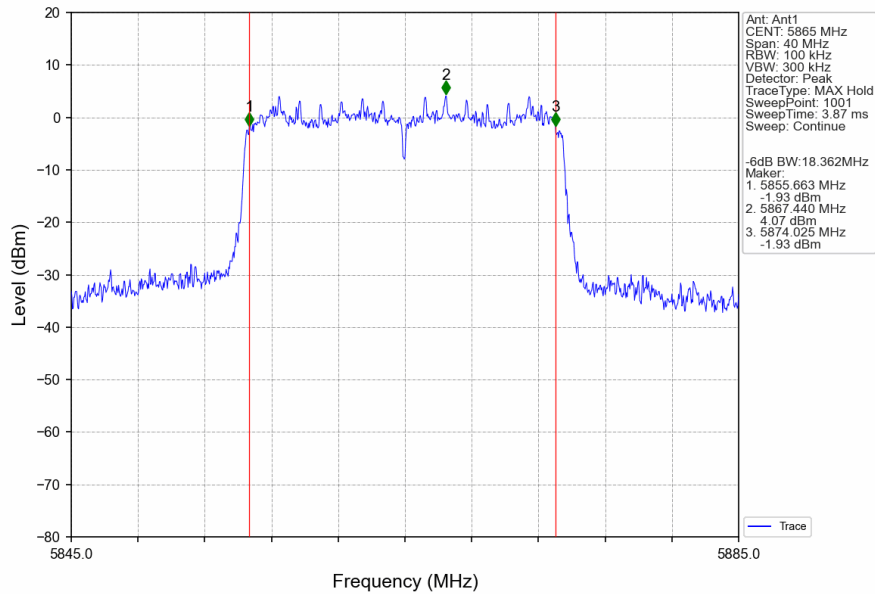
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



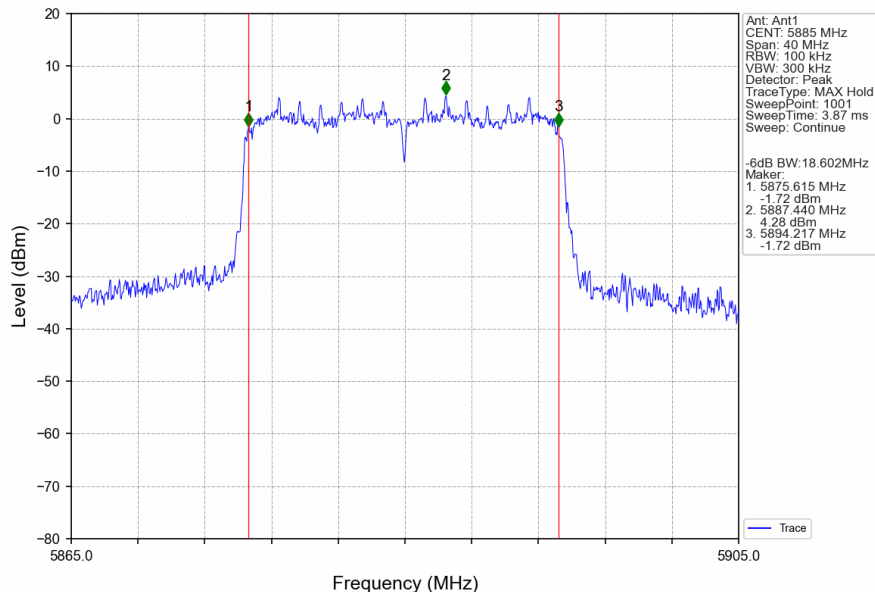
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW20)_LCH_5865MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW20)_HCH_5885MHz_RU242_Left_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	20.33	<=23.98	Pass
		5200	/	/	20.23	<=23.98	Pass
		5240	/	/	19.94	<=23.98	Pass
		5260	/	/	19.96	<=23.98	Pass
		5300	/	/	19.70	<=23.98	Pass
		5320	/	/	19.74	<=23.98	Pass
		5500	/	/	16.42	<=23.97	Pass
		5580	/	/	14.59	<=23.92	Pass
		5700	/	/	15.78	<=23.98	Pass
		5745	/	/	17.07	<=30	Pass
		5785	/	/	17.41	<=30	Pass
		5825	/	/	16.42	<=30	Pass
		5865	/	/	15.69	/	Pass
		5885	/	/	15.77	/	Pass
802.11n (HT20)	SISO	5180	/	/	20.04	<=23.98	Pass
		5200	/	/	20.10	<=23.98	Pass
		5240	/	/	20.08	<=23.98	Pass
		5260	/	/	20.08	<=23.98	Pass
		5300	/	/	19.79	<=23.98	Pass
		5320	/	/	19.86	<=23.98	Pass
		5500	/	/	16.46	<=23.98	Pass
		5580	/	/	14.75	<=23.98	Pass
		5700	/	/	15.85	<=23.98	Pass
		5745	/	/	16.99	<=30	Pass
		5785	/	/	17.35	<=30	Pass
		5825	/	/	16.33	<=30	Pass
		5865	/	/	15.67	/	Pass
		5885	/	/	15.72	/	Pass
802.11ac	SISO	5180	/	/	20.24	<=23.98	Pass



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(VHT20)		5200	/	/	20.21	<=23.98	Pass
		5240	/	/	20.05	<=23.98	Pass
		5260	/	/	20.15	<=23.98	Pass
		5300	/	/	19.77	<=23.98	Pass
		5320	/	/	19.82	<=23.98	Pass
		5500	/	/	16.60	<=23.98	Pass
		5580	/	/	14.89	<=23.98	Pass
		5700	/	/	16.01	<=23.98	Pass
		5745	/	/	17.22	<=30	Pass
		5785	/	/	17.47	<=30	Pass
		5825	/	/	16.37	<=30	Pass
		5865	/	/	15.70	/	Pass
		5885	/	/	15.77	/	Pass
802.11ax (HEW20)	SISO	5180	RU242	Left	20.35	<=23.98	Pass
		5200	RU242	Left	20.36	<=23.98	Pass
		5240	RU242	Left	20.30	<=23.98	Pass
		5260	RU242	Left	20.33	<=23.98	Pass
		5300	RU242	Left	19.96	<=23.98	Pass
		5320	RU242	Left	19.93	<=23.98	Pass
		5500	RU242	Left	16.73	<=23.98	Pass
		5580	RU242	Left	15.03	<=23.98	Pass
		5700	RU242	Left	16.22	<=23.98	Pass
		5745	RU242	Left	17.47	<=30	Pass
		5785	RU242	Left	17.97	<=30	Pass
		5825	RU242	Left	15.84	<=30	Pass
		5865	RU242	Left	15.09	/	Pass
		5885	RU242	Left	15.22	/	Pass
Note1:							
-	Band:	Antenna			Gain:		
-	Band:	1			Ant1:	3.05dBi;	
-	Band:	3			Ant1:	3.29dBi;	
-	Band:	4			Ant1:	3.46dBi;	
-	Band:	2A			Ant1:	3.08dBi;	
-	Band:	2C			Ant1:	3.46dBi;	
-							

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3.1.2 EIRP for Band 4

Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)		Verdict
					ANT1	Limit	
802.11a	SISO	5865	/	/	19.15	<=30	Pass
		5885	/	/	19.23	<=30	Pass
802.11n (HT20)	SISO	5865	/	/	19.13	<=30	Pass
		5885	/	/	19.18	<=30	Pass
802.11ac (VHT20)	SISO	5865	/	/	19.16	<=30	Pass
		5885	/	/	19.23	<=30	Pass
802.11ax (HEW20)	SISO	5865	RU242	Left	18.45	<=30	Pass
		5885	RU242	Left	18.68	<=30	Pass
Note1:							
-	Band:	1	Ant1:	3.05dBi;			
-	Band:	3	Ant1:	3.29dBi;			
-	Band:	4	Ant1:	3.46dBi;			
-	Band:	2A	Ant1:	3.08dBi;			
-	Band:	2C	Ant1:	3.46dBi;			
-							
Note2: E.I.R.P = Measured Power + Antenna Gain							

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	/	/	9.49	<=11	Pass
		5200	/	/	9.31	<=11	Pass
		5240	/	/	9.10	<=11	Pass
		5260	/	/	9.19	<=11	Pass
		5300	/	/	8.94	<=11	Pass
		5320	/	/	9.10	<=11	Pass
		5500	/	/	5.74	<=11	Pass
		5580	/	/	3.91	<=11	Pass
		5700	/	/	4.99	<=11	Pass
802.11n (HT20)	SISO	5180	/	/	9.11	<=11	Pass
		5200	/	/	9.09	<=11	Pass
		5240	/	/	9.12	<=11	Pass
		5260	/	/	9.16	<=11	Pass
		5300	/	/	8.77	<=11	Pass
		5320	/	/	8.96	<=11	Pass
		5500	/	/	5.36	<=11	Pass
		5580	/	/	3.69	<=11	Pass
		5700	/	/	4.82	<=11	Pass
802.11ac (VHT20)	SISO	5180	/	/	9.36	<=11	Pass
		5200	/	/	9.06	<=11	Pass
		5240	/	/	9.06	<=11	Pass
		5260	/	/	9.07	<=11	Pass
		5300	/	/	8.88	<=11	Pass
		5320	/	/	8.91	<=11	Pass
		5500	/	/	5.55	<=11	Pass
		5580	/	/	4.01	<=11	Pass
		5700	/	/	5.05	<=11	Pass
802.11ax (HEW20)	SISO	5180	RU242	Left	9.17	<=11	Pass
		5200	RU242	Left	9.40	<=11	Pass
		5240	RU242	Left	8.96	<=11	Pass
		5260	RU242	Left	9.24	<=11	Pass



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Shenzhen Branch Testing & Calibration Laboratory

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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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		5300	RU242	Left	8.75	<=11	Pass
		5320	RU242	Left	8.86	<=11	Pass
		5500	RU242	Left	5.51	<=11	Pass
		5580	RU242	Left	3.96	<=11	Pass
		5700	RU242	Left	5.01	<=11	Pass
Note1:							
-	Band:	1	Antenna	Ant1:	Gain:		
-	Band:	3		Ant1:	3.05dBi;		
-	Band:	4		Ant1:	3.29dBi;		
-	Band:	2A		Ant1:	3.46dBi;		
-	Band:	2C		Ant1:	3.08dBi;		
-				Ant1:	3.46dBi;		



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4.1.2 PSD-Band 3

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5745	/	/	3.74	<=30	Pass
		5785	/	/	3.99	<=30	Pass
		5825	/	/	3.05	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	3.60	<=30	Pass
		5785	/	/	4.00	<=30	Pass
		5825	/	/	3.11	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	4.10	<=30	Pass
		5785	/	/	4.09	<=30	Pass
		5825	/	/	3.05	<=30	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	4.12	<=30	Pass
		5785	RU242	Left	4.65	<=30	Pass
		5825	RU242	Left	2.16	<=30	Pass
Note1:							
-	Band:	1	Antenna	Ant1:	3.05dBi;		
-	Band:	3		Ant1:	3.29dBi;		
-	Band:	4		Ant1:	3.46dBi;		
-	Band:	2A		Ant1:	3.08dBi;		
-	Band:	2C		Ant1:	3.46dBi;		

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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000450804

Amendment 01

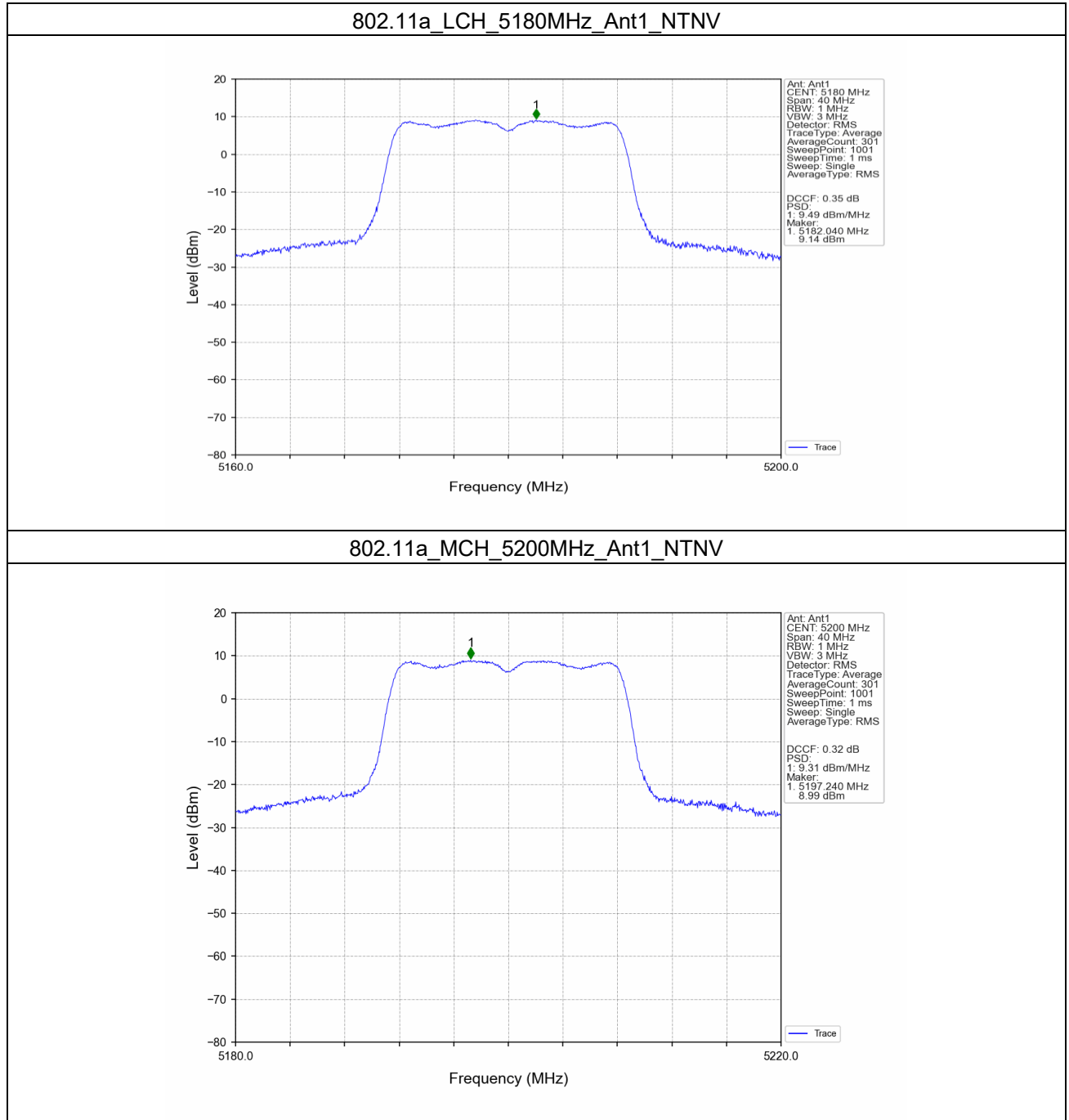
Page: 176 of 231

4.1.3 E.I.R.PSD for Band 4

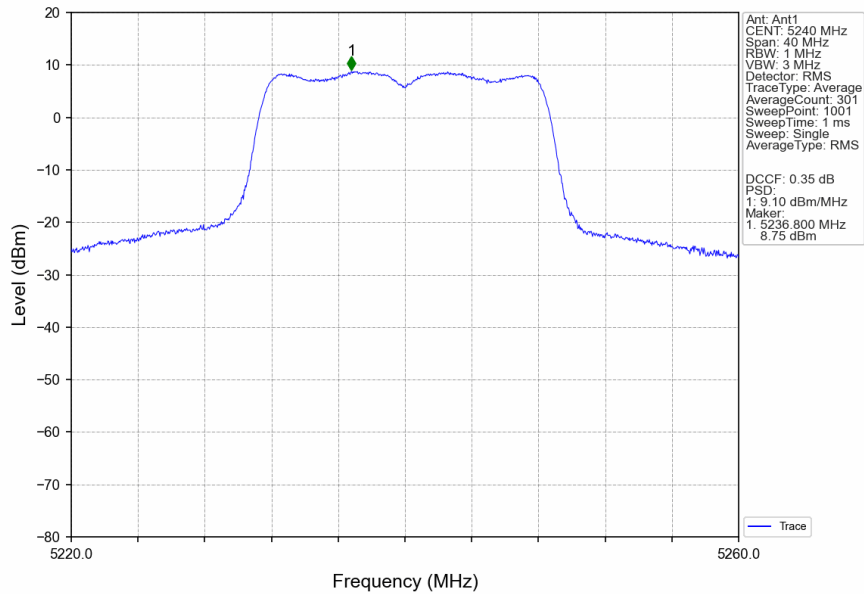
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum E.I.R.PSD (dBm/MHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5865	/	/	7.93	<=14	Pass
		5885	/	/	7.94	<=14	Pass
802.11n (HT20)	SISO	5865	/	/	7.64	<=14	Pass
		5885	/	/	7.60	<=14	Pass
802.11ac (VHT20)	SISO	5865	/	/	7.75	<=14	Pass
		5885	/	/	7.81	<=14	Pass
802.11ax (HEW20)	SISO	5865	RU242	Left	6.99	<=14	Pass
		5885	RU242	Left	7.04	<=14	Pass
Note1:							
-	Band:	1	Ant1:	3.05dBi;	Gain:		
-	Band:	3	Ant1:	3.29dBi;			
-	Band:	4	Ant1:	3.46dBi;			
-	Band:	2A	Ant1:	3.08dBi;			
-	Band:	2C	Ant1:	3.46dBi;			
Note2: E.I.R.P = Measured Power + Antenna Gain							

4.2 Test Graph

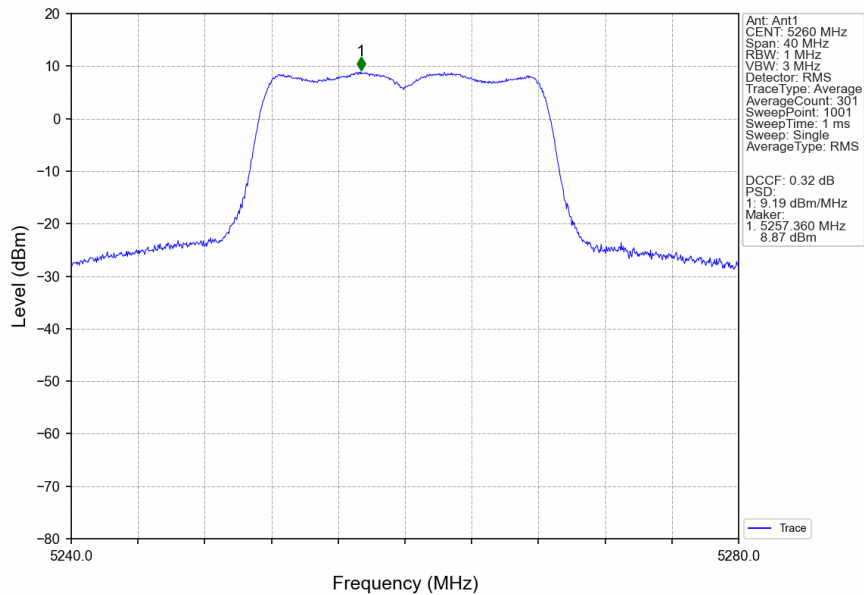
4.2.1 PSD



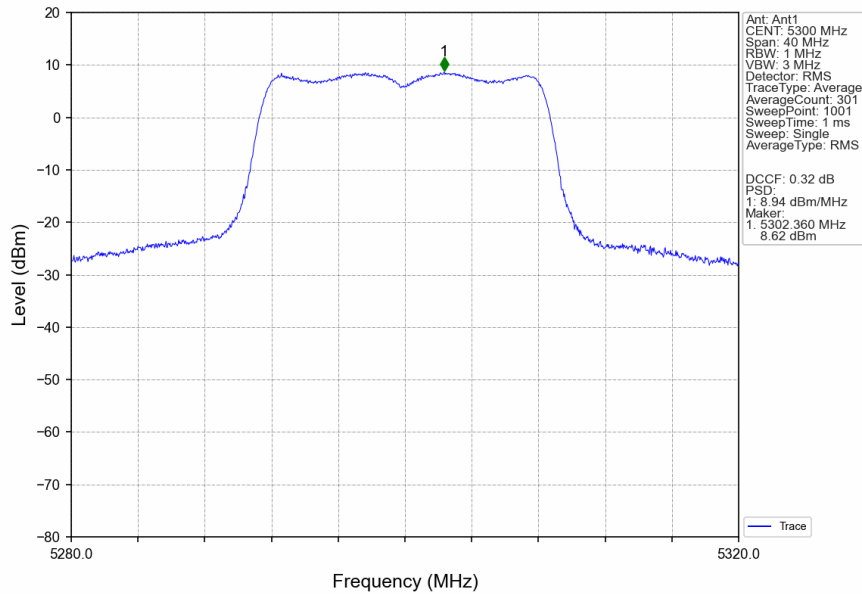
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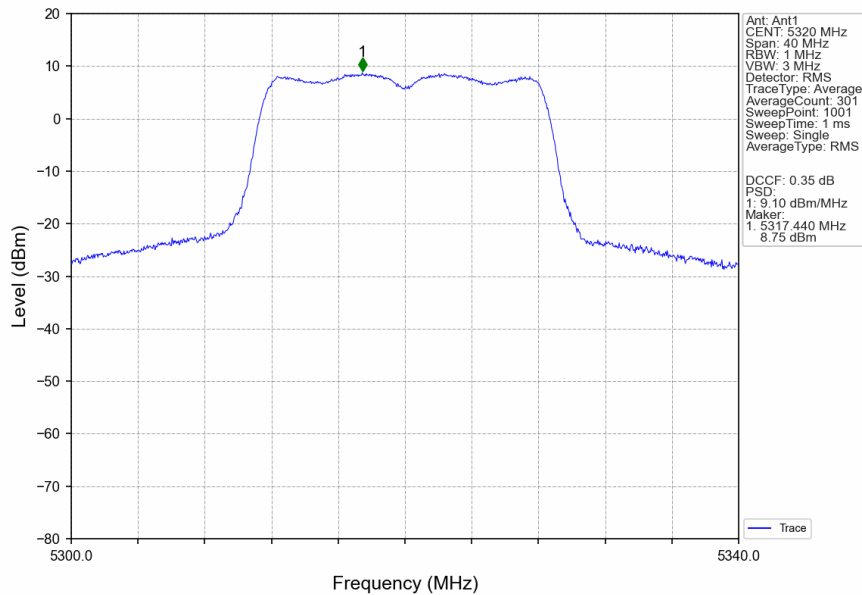
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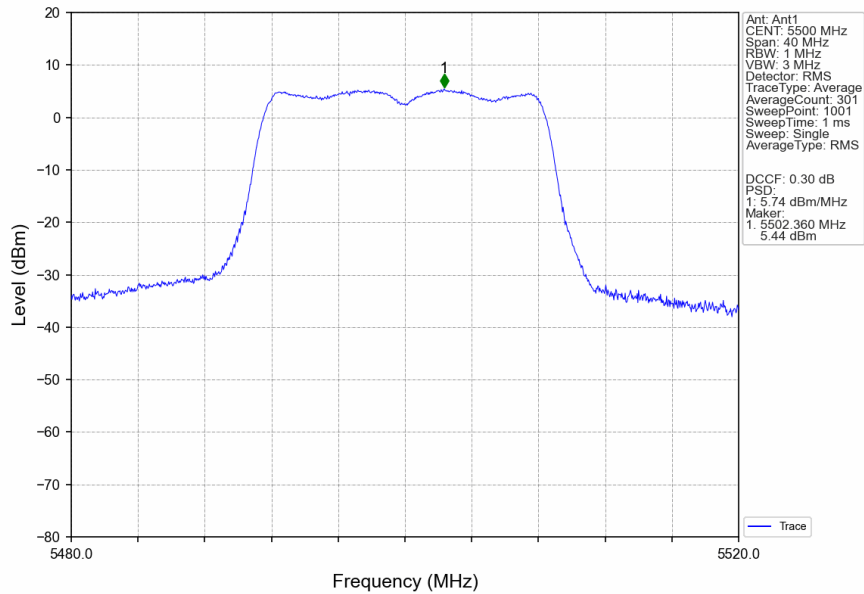
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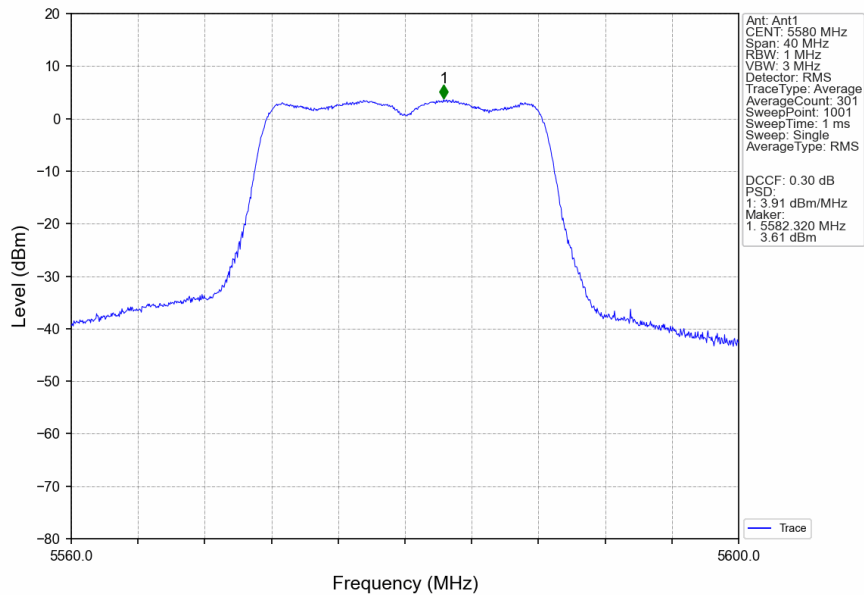
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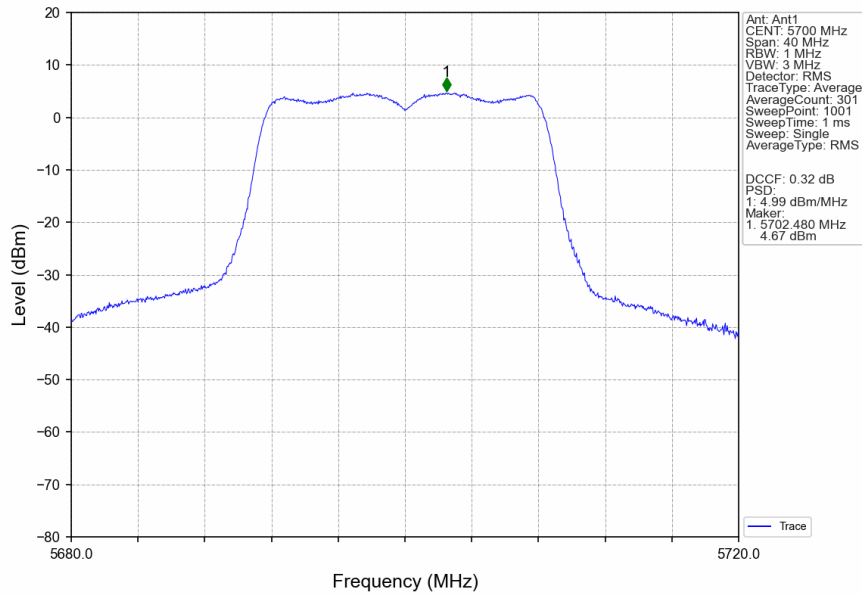
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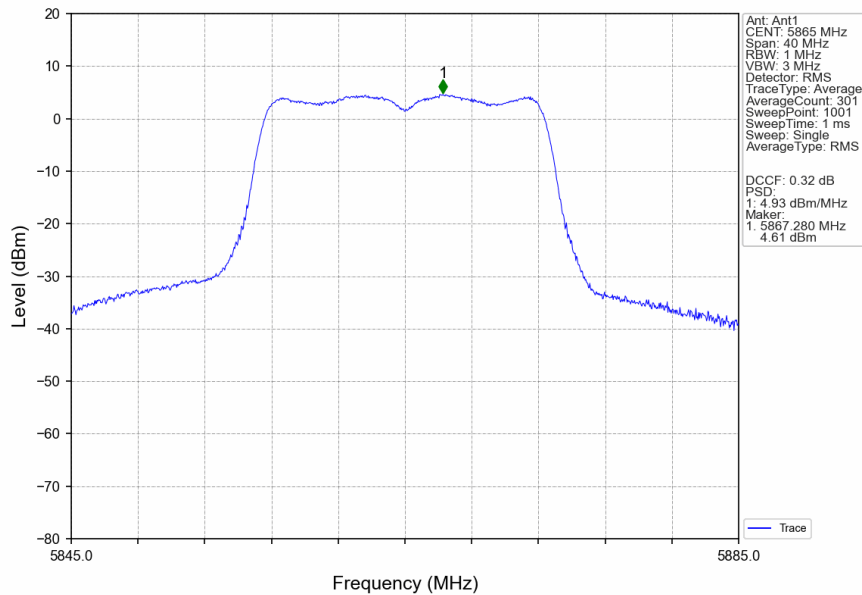
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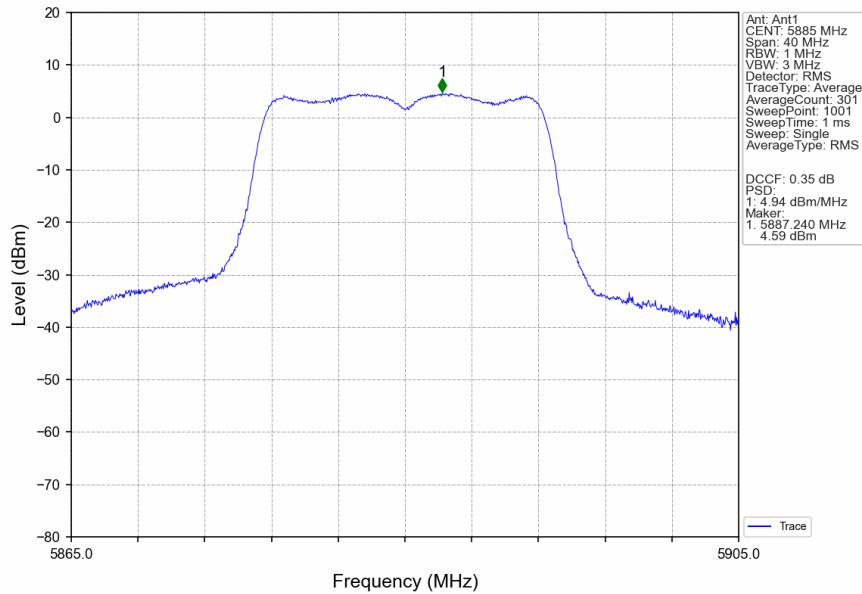
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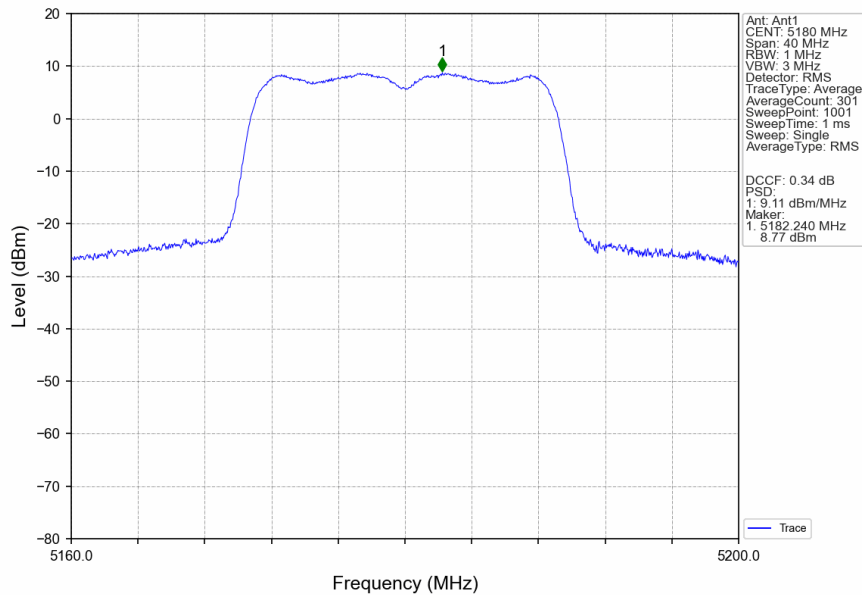
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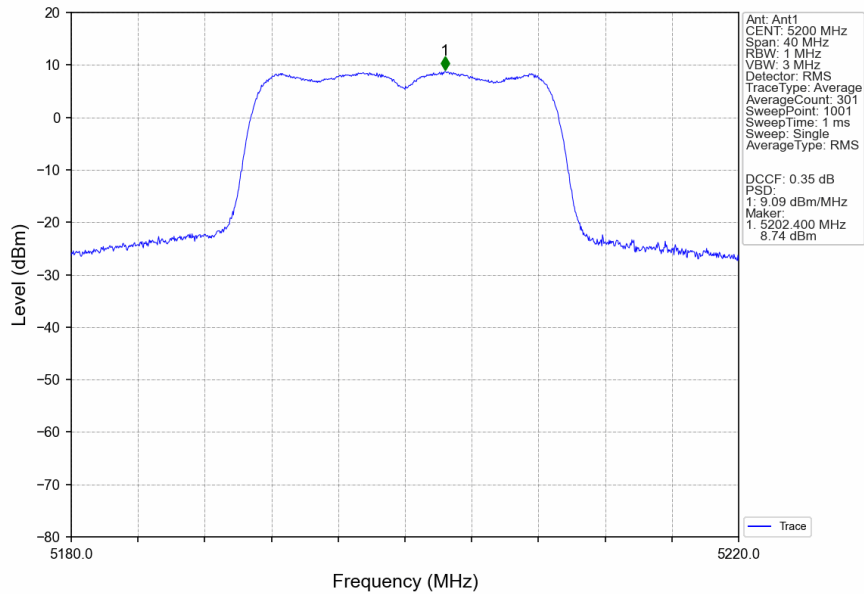
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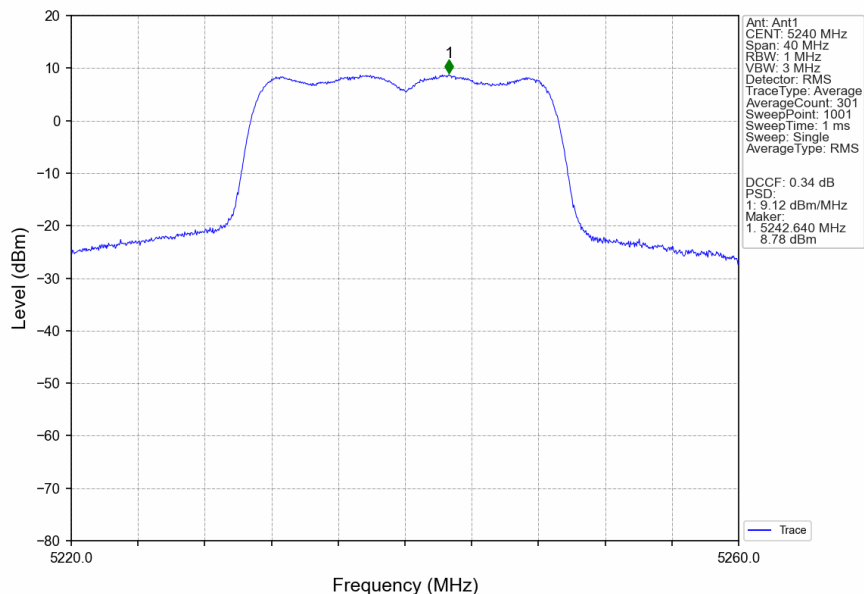
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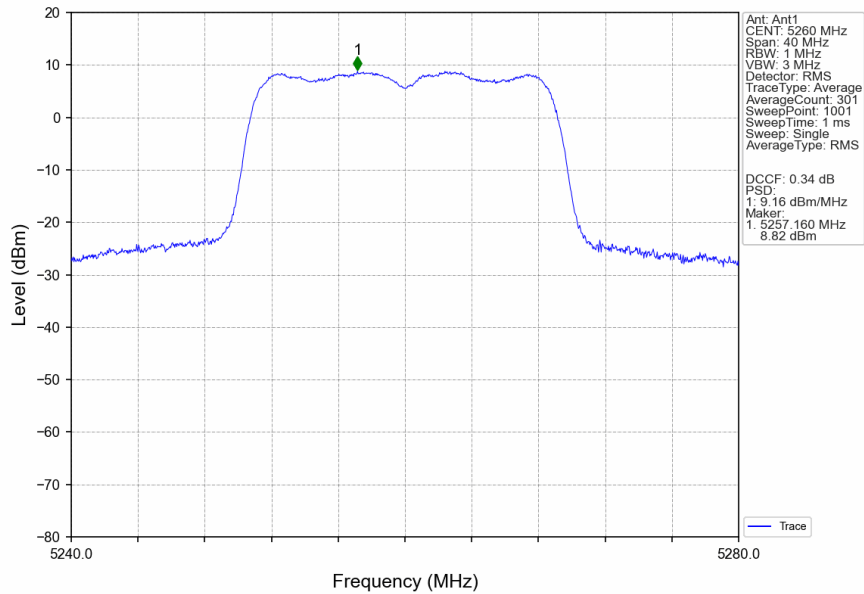
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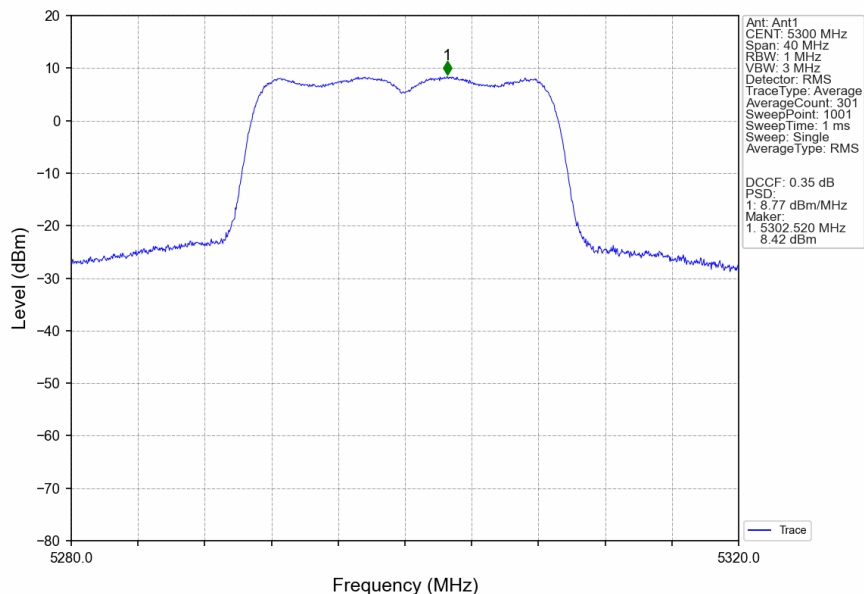
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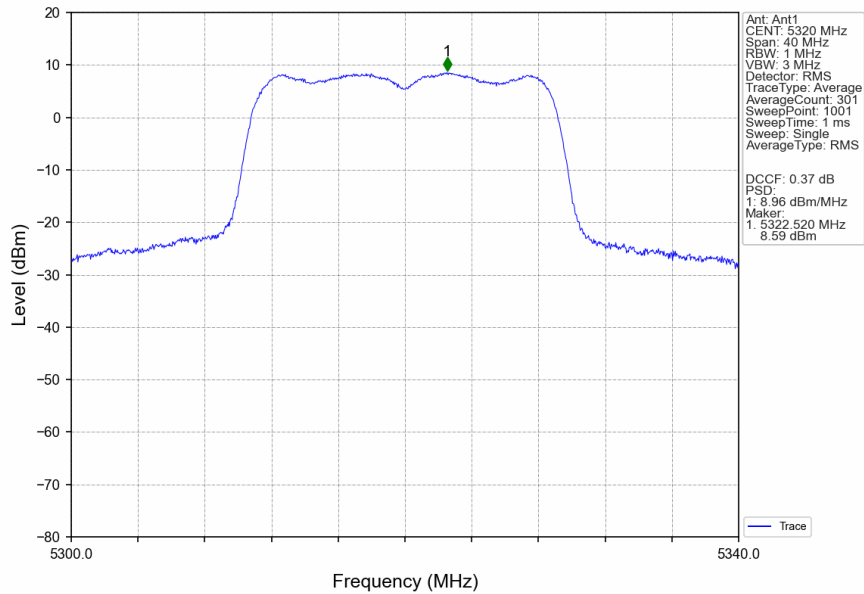
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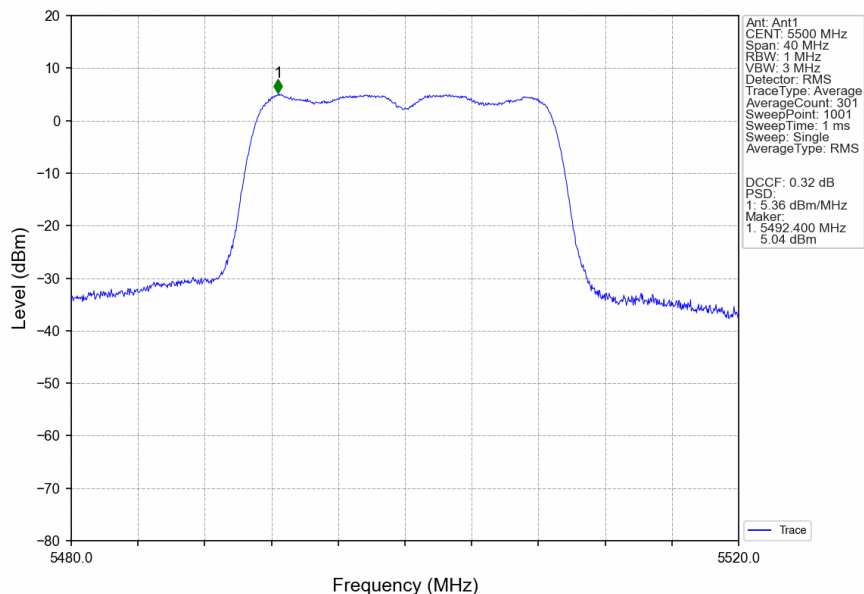
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802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



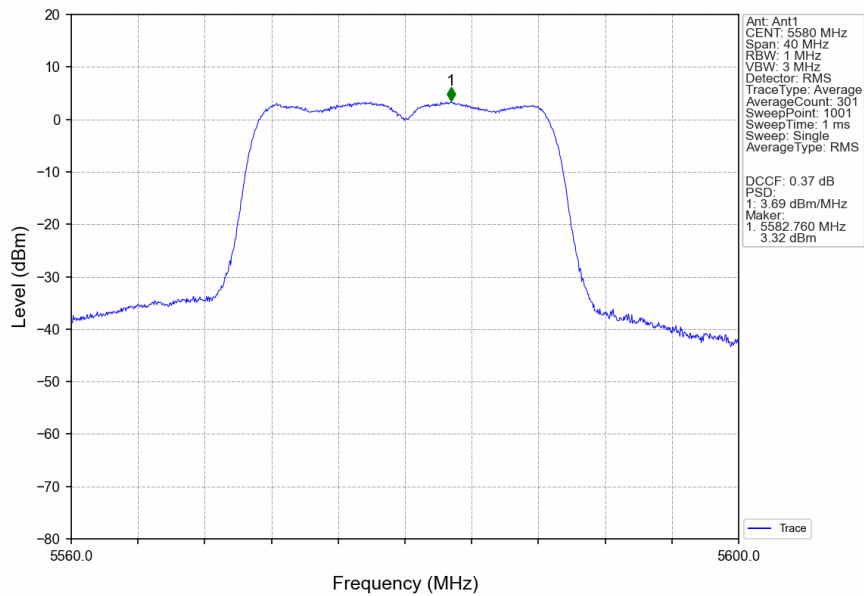
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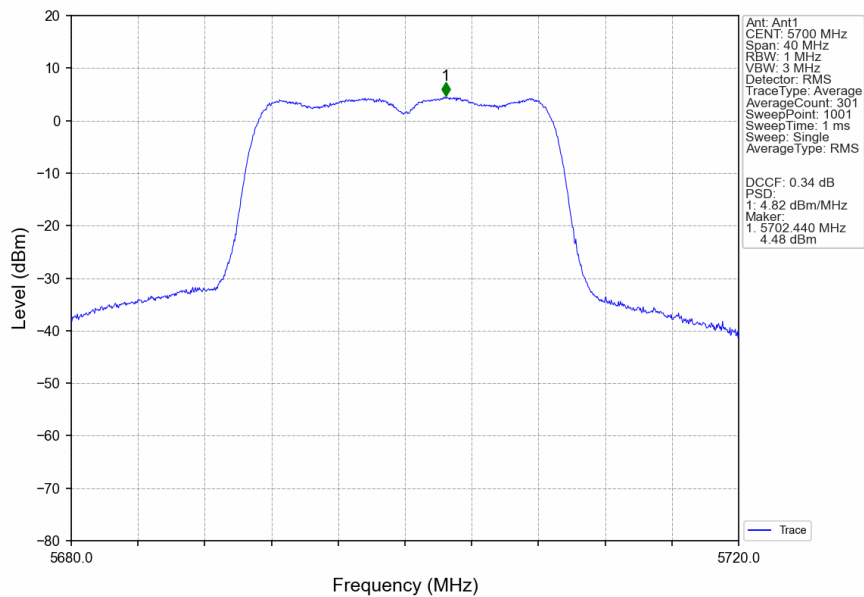
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802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



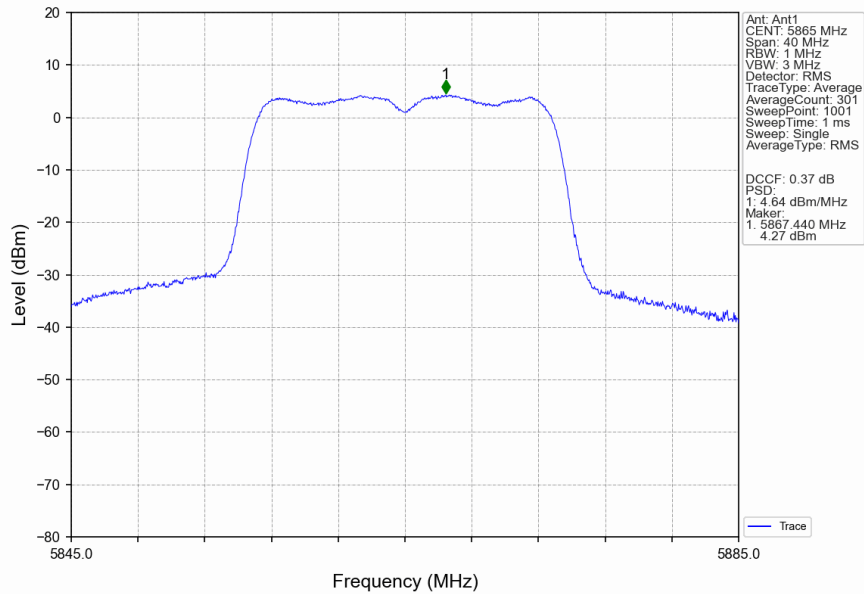
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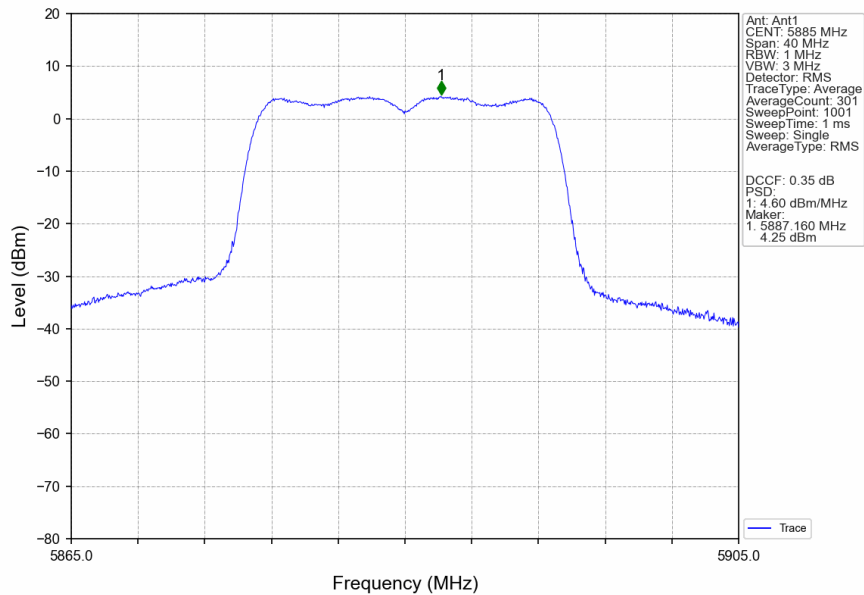
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802.11n(HT20)_LCH_5865MHz_Ant1_NTNV



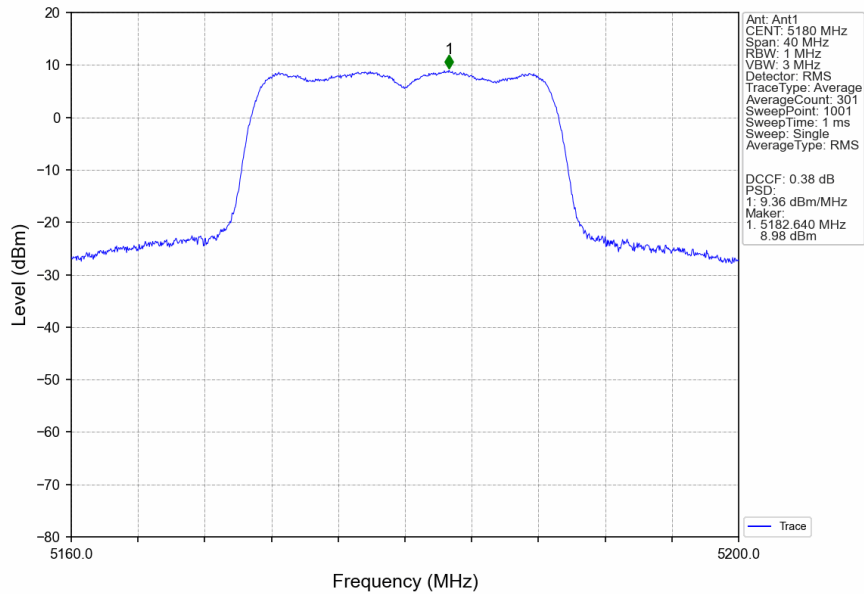
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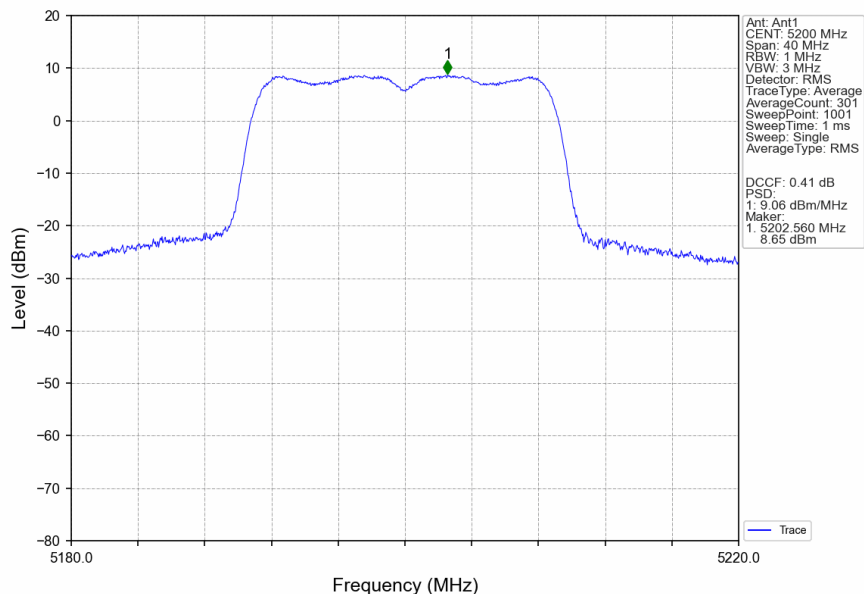
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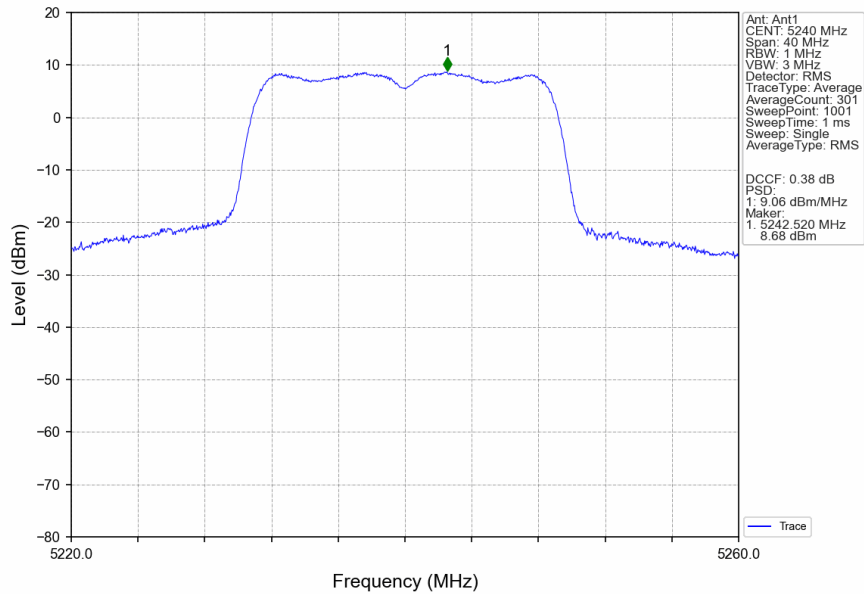
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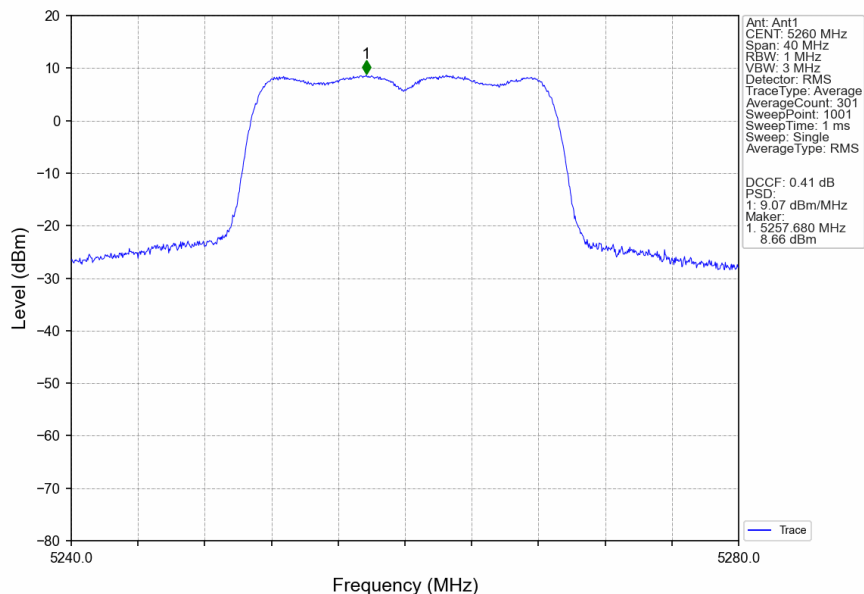
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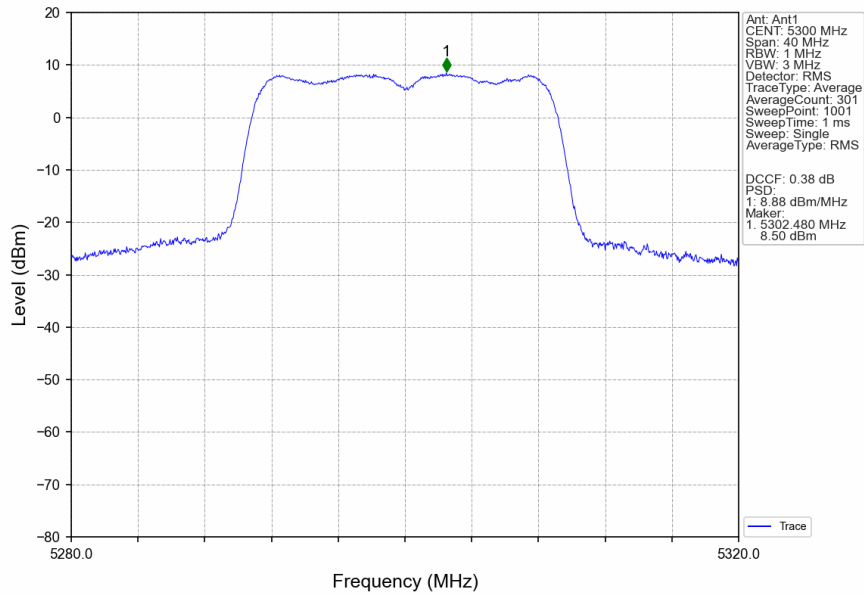
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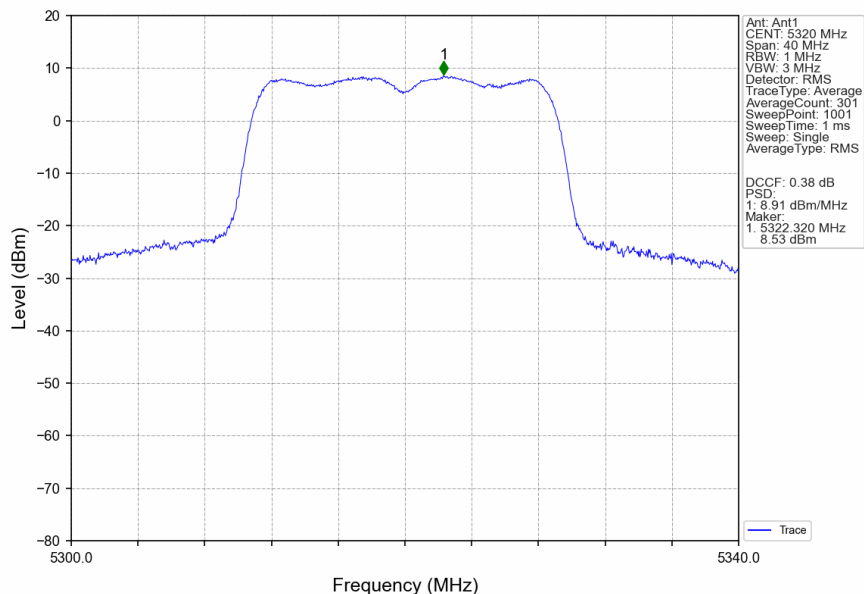
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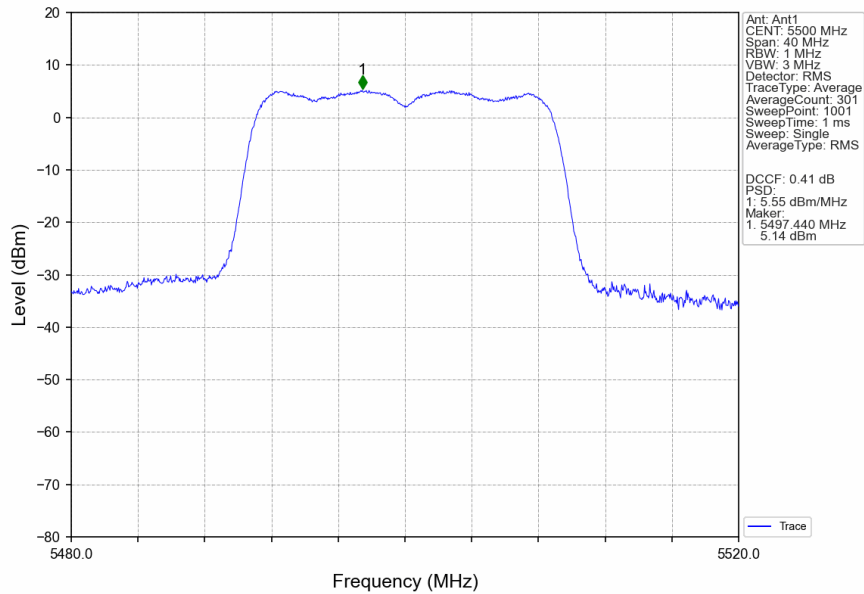
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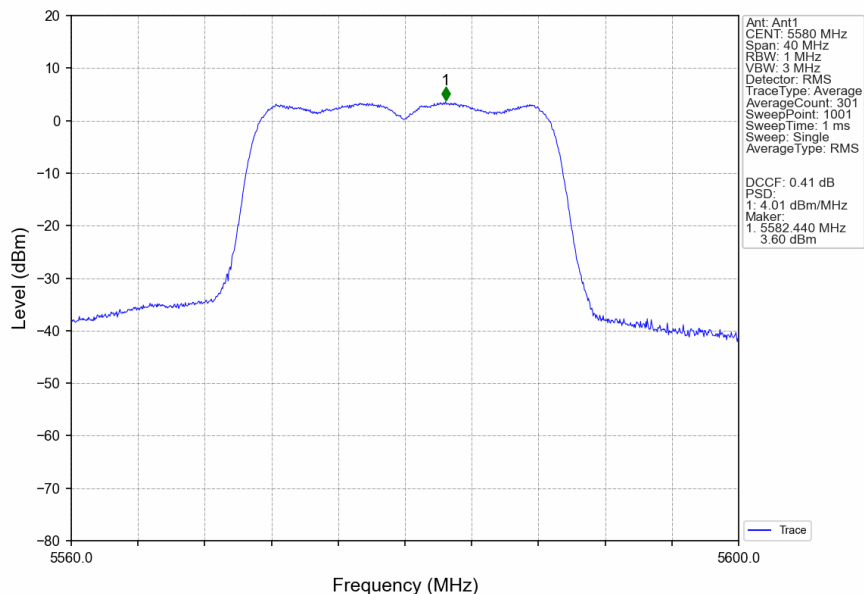
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802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



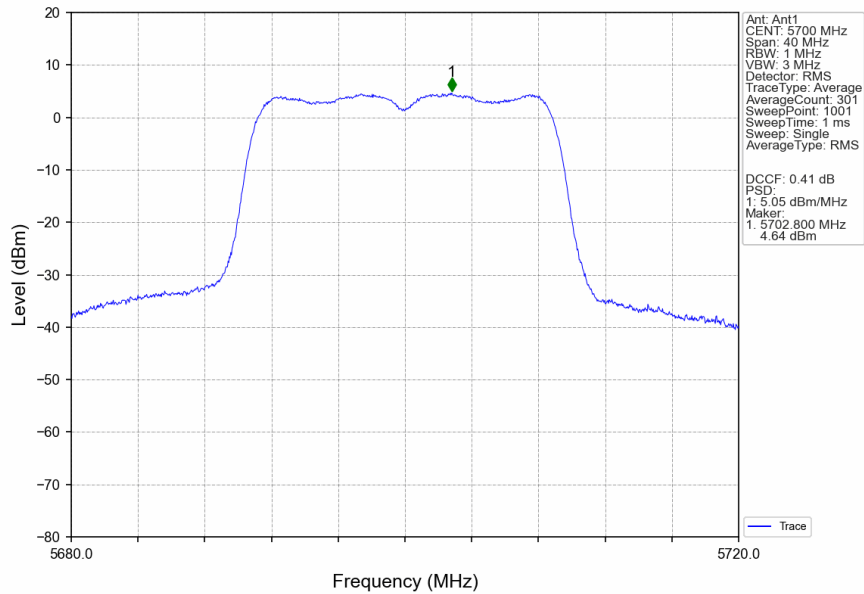
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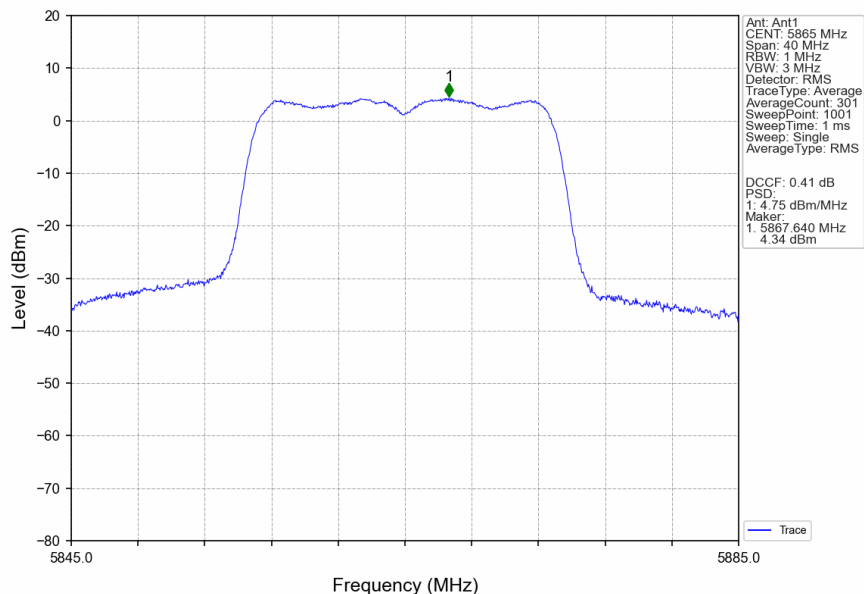
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802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5865MHz_Ant1_NTNV



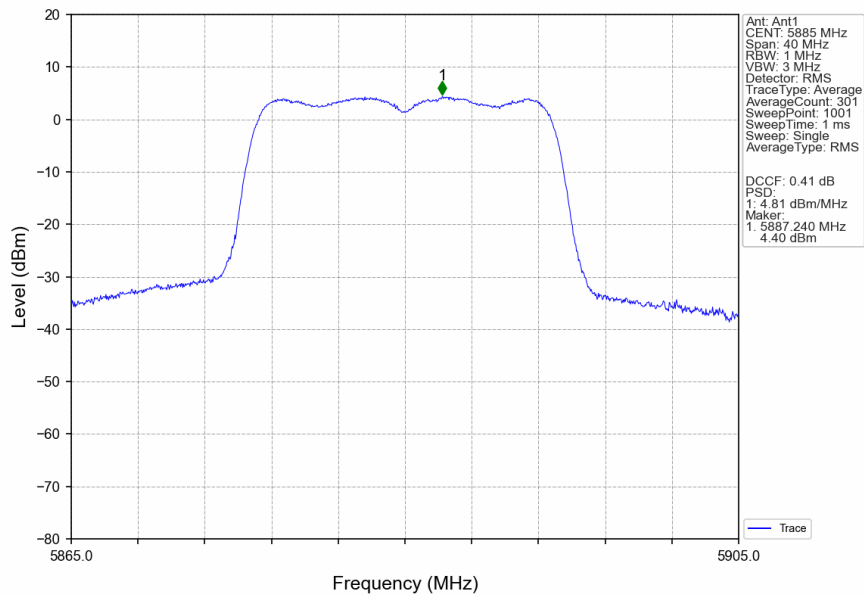
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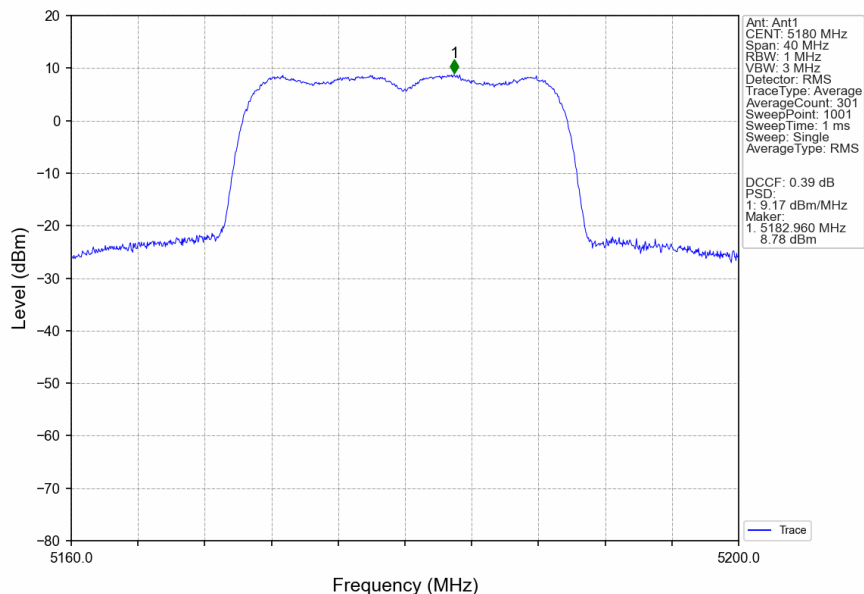
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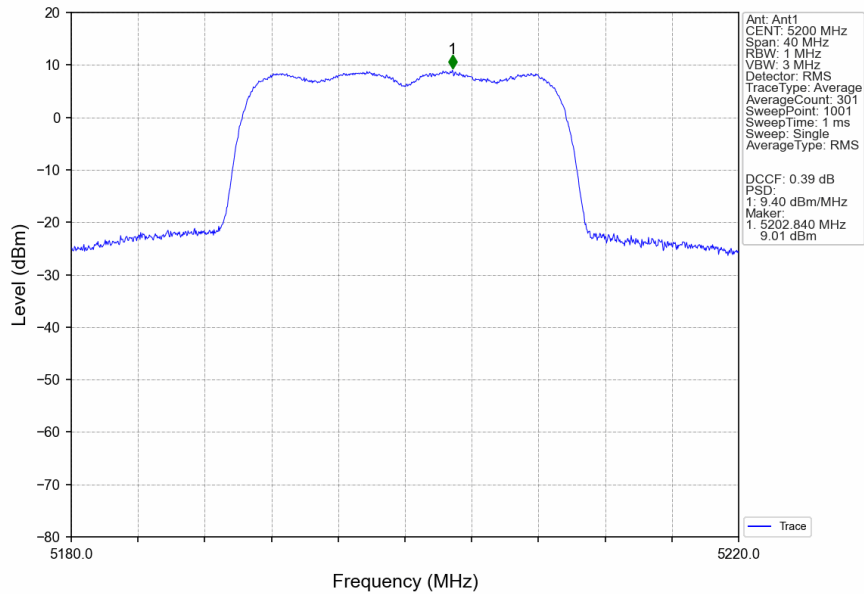
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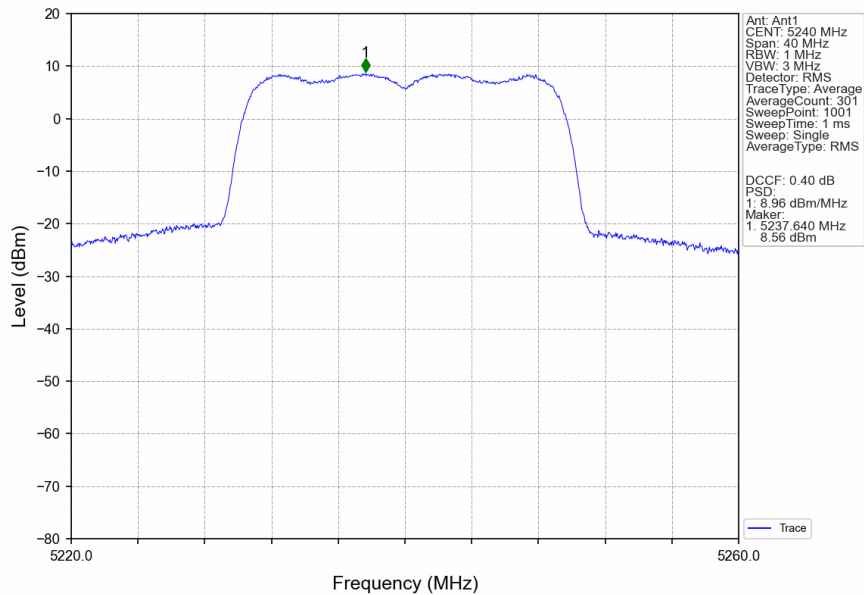
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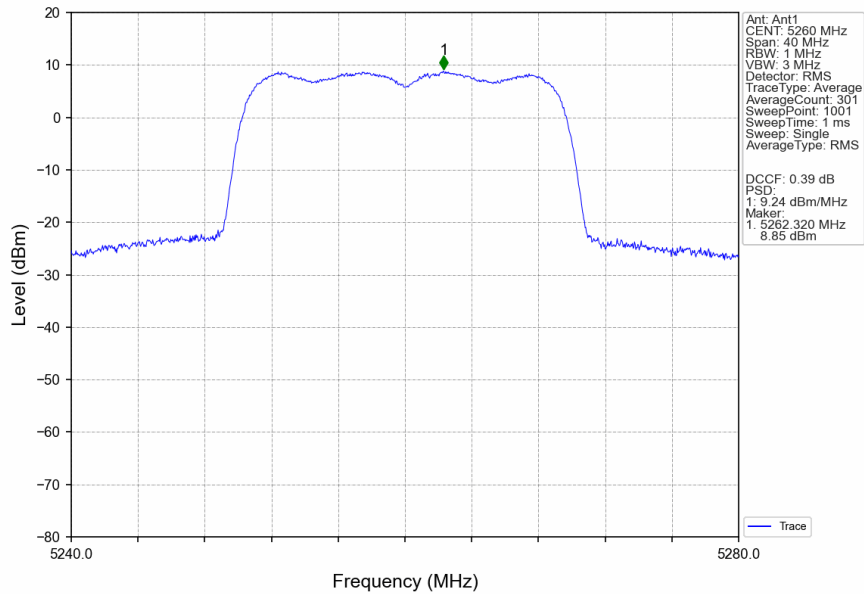
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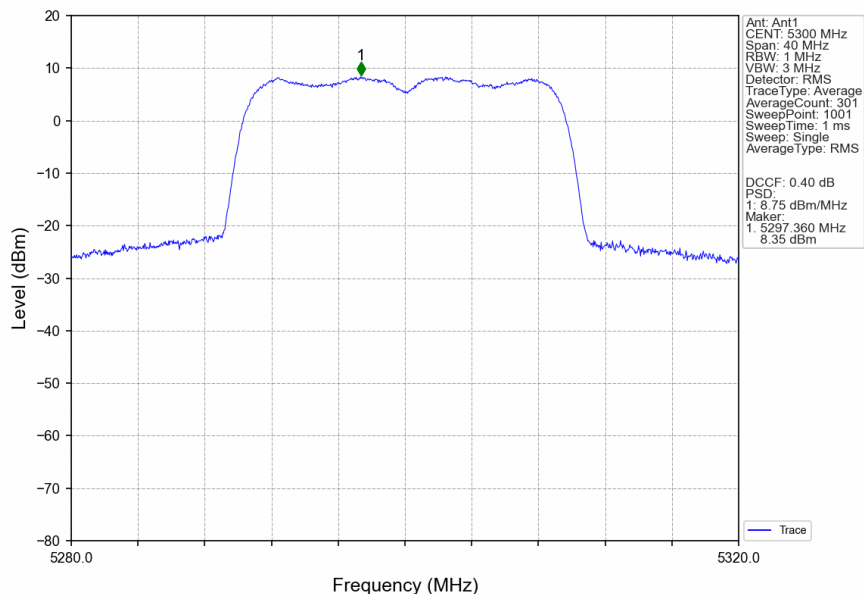
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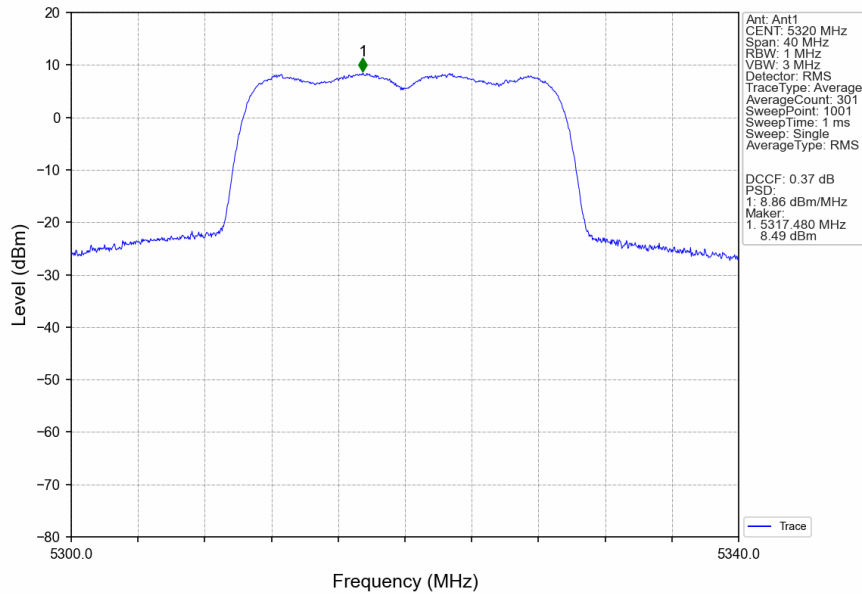
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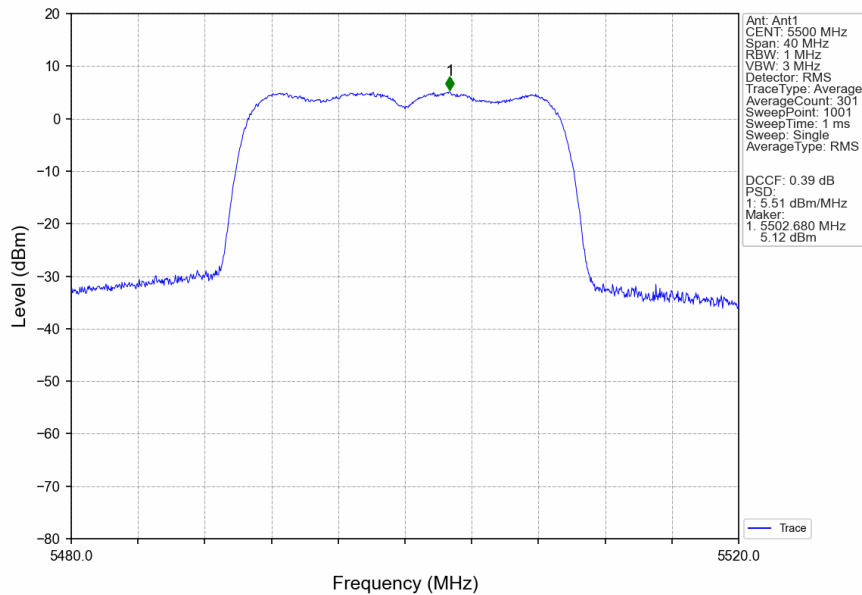
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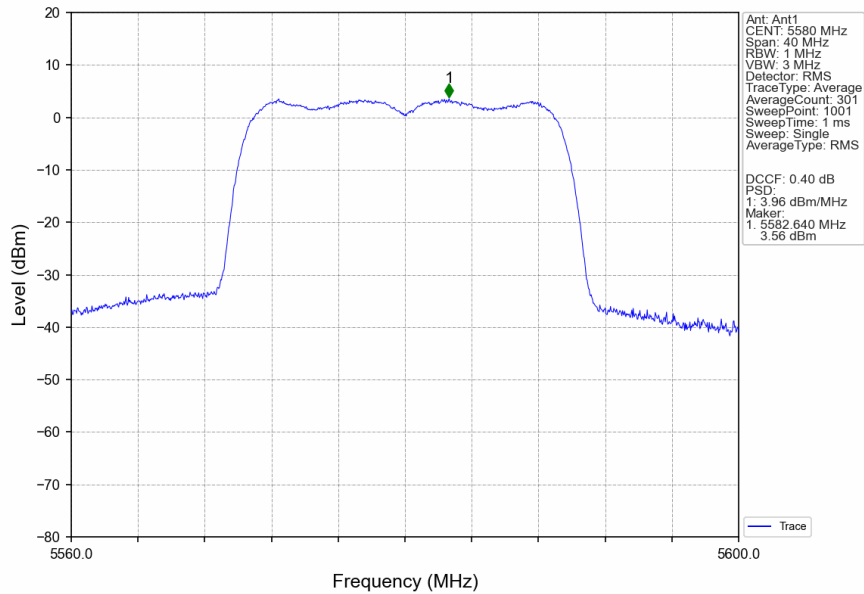
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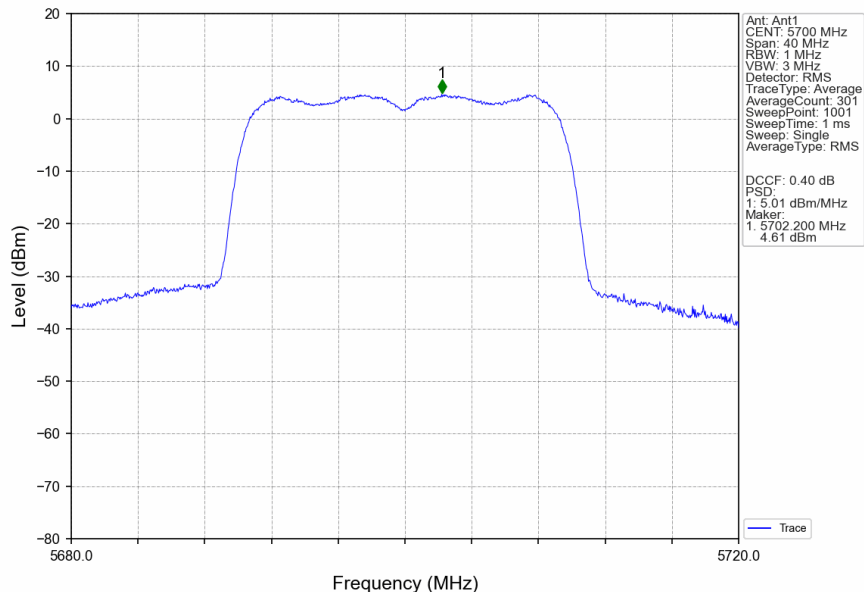
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802.11ax(HEW20)_MCH_5580MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW20)_HCH_5700MHz_RU242_Left_Ant1_NTNV



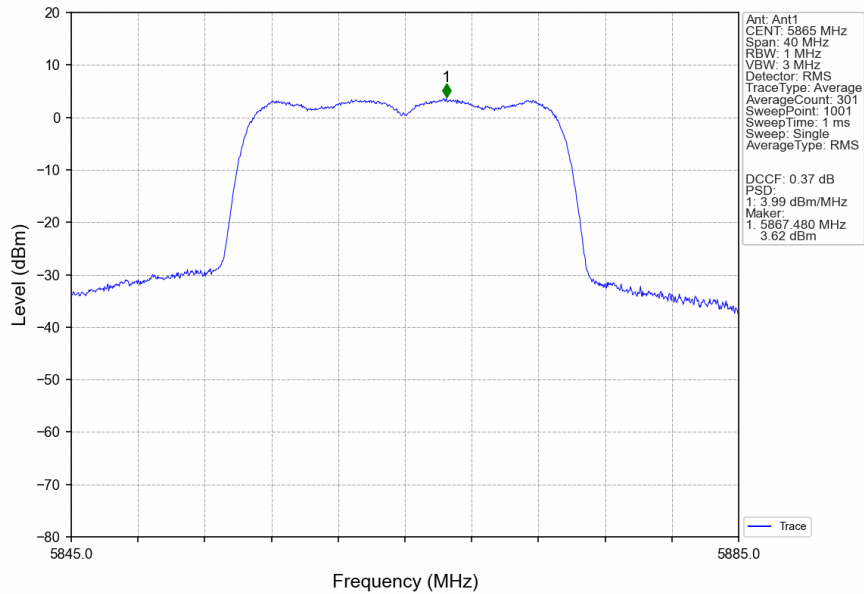
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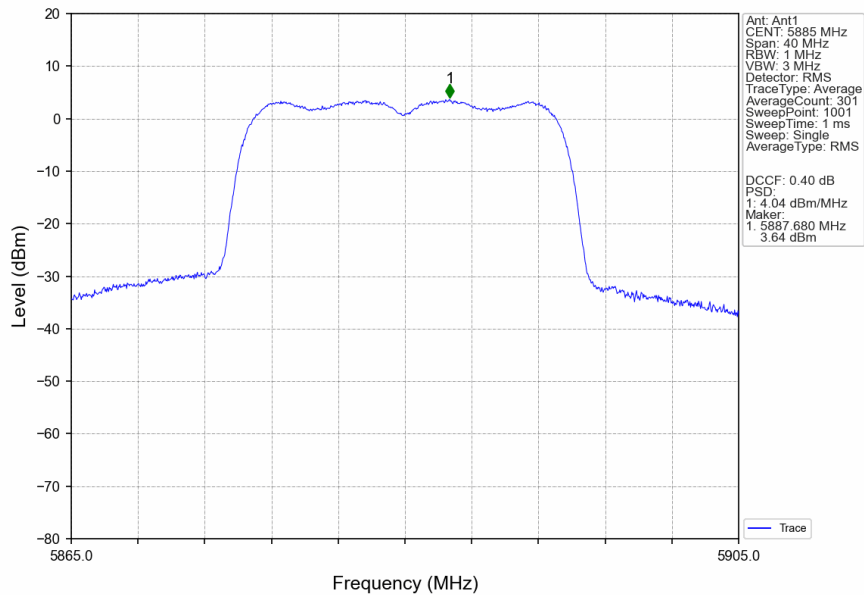
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802.11ax(HEW20)_LCH_5865MHz_RU242_Left_Ant1_NTNV



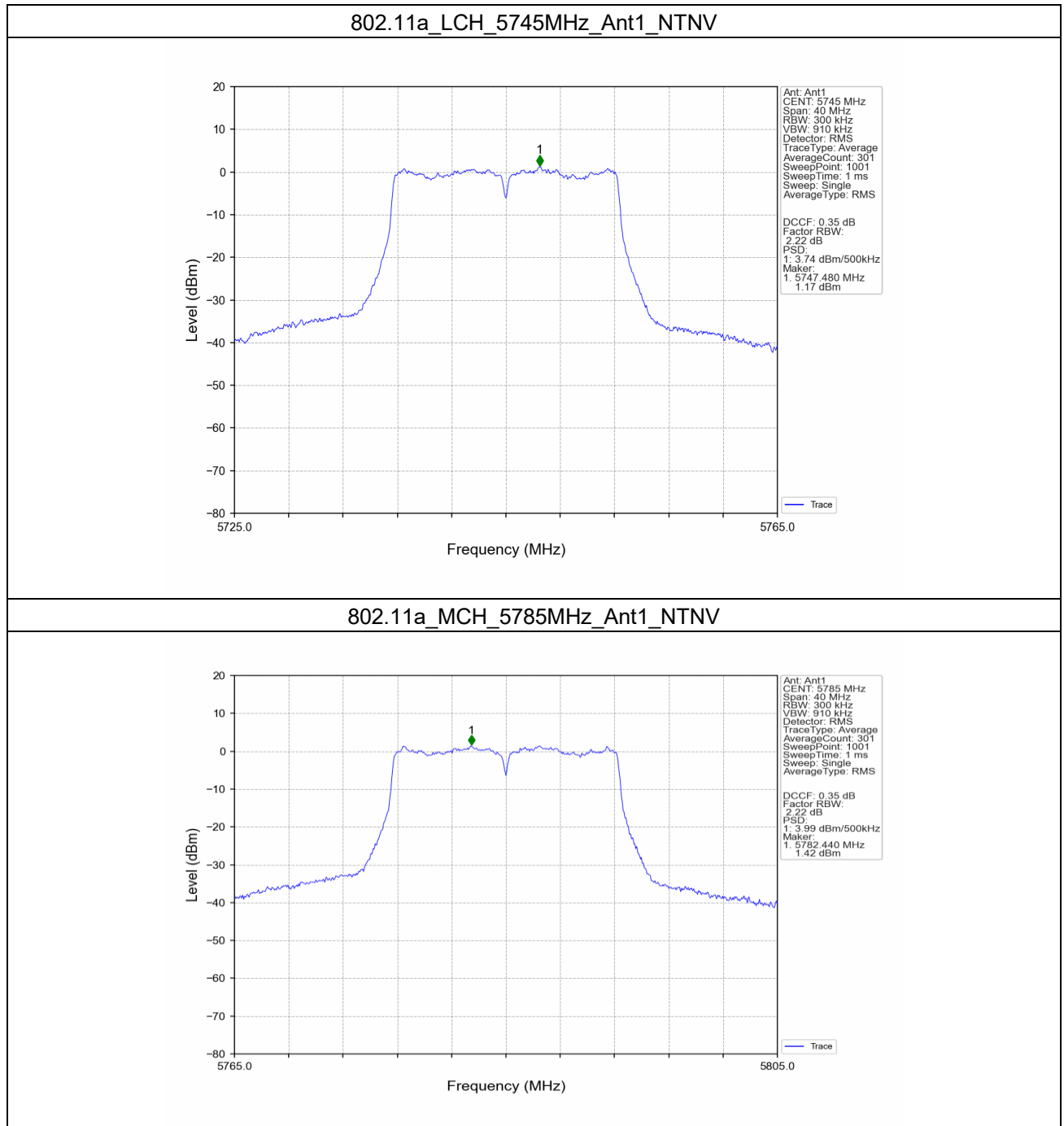
802.11ax(HEW20)_HCH_5885MHz_RU242_Left_Ant1_NTNV



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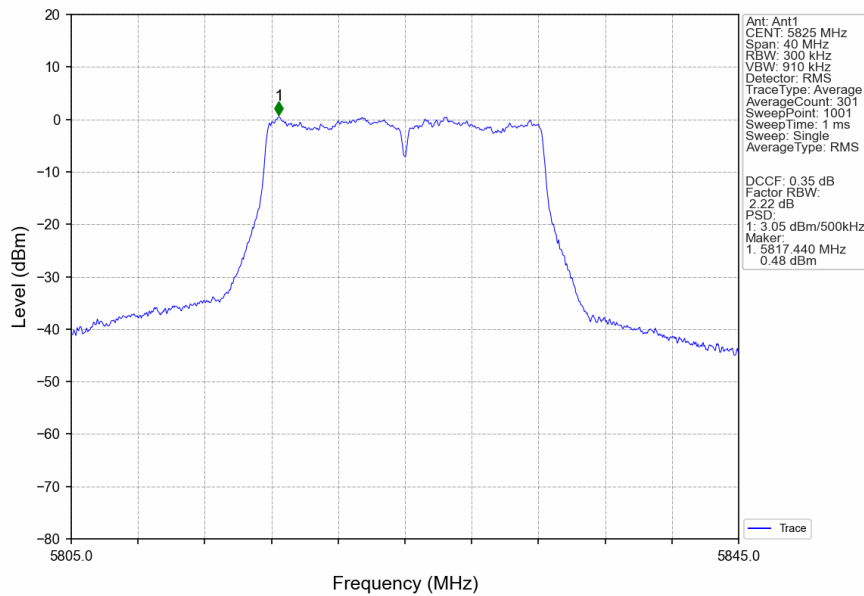
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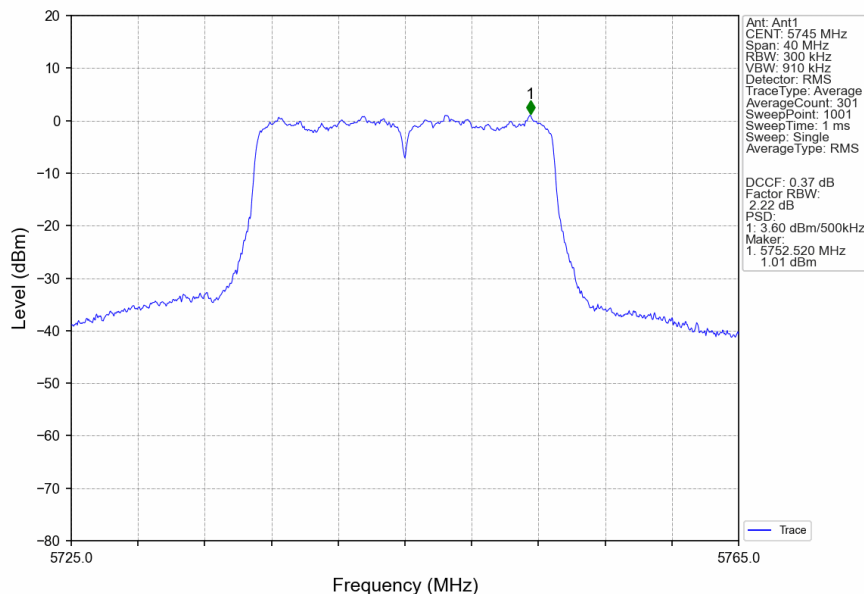
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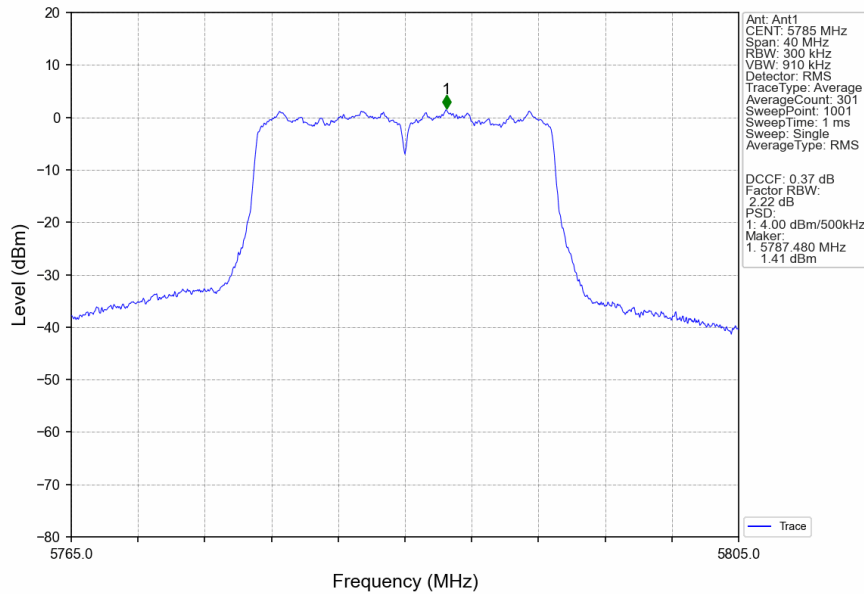
802.11a_HCH_5825MHz_Ant1_NTNV



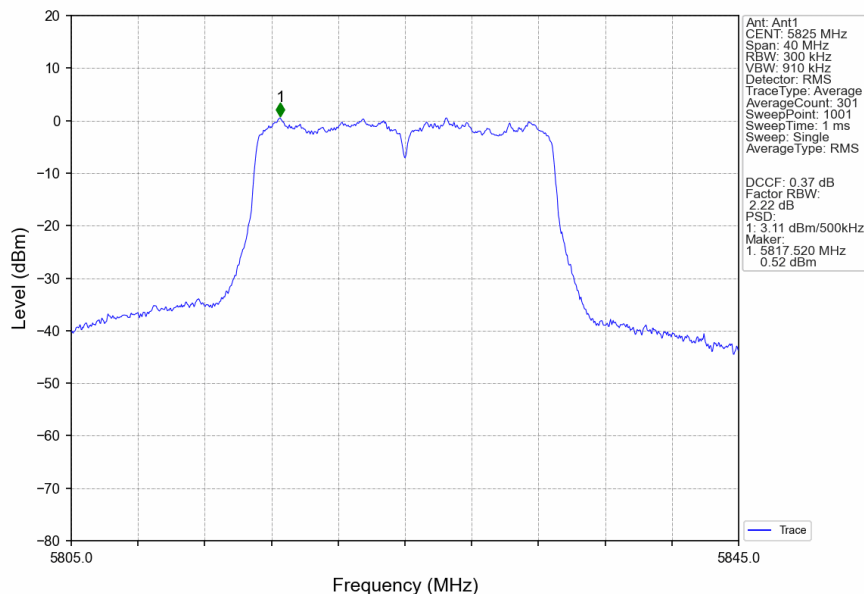
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



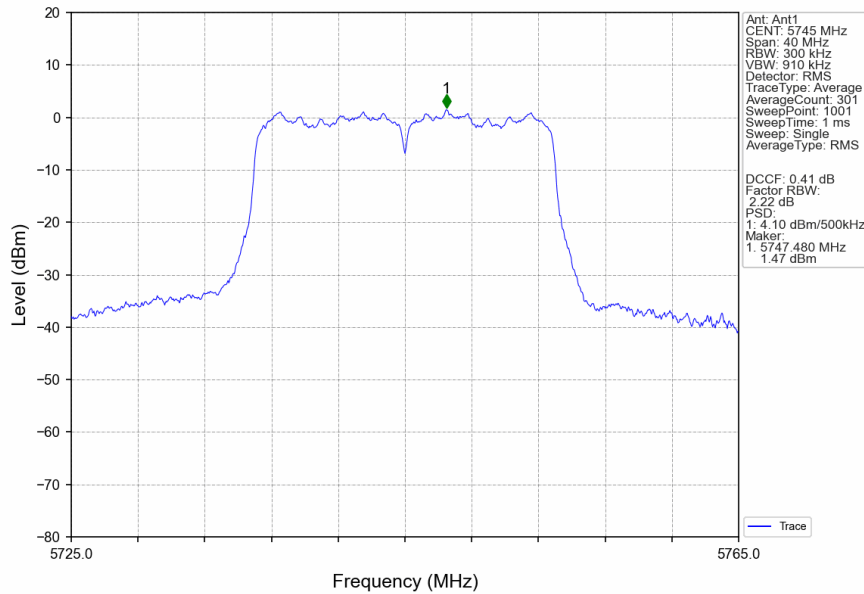
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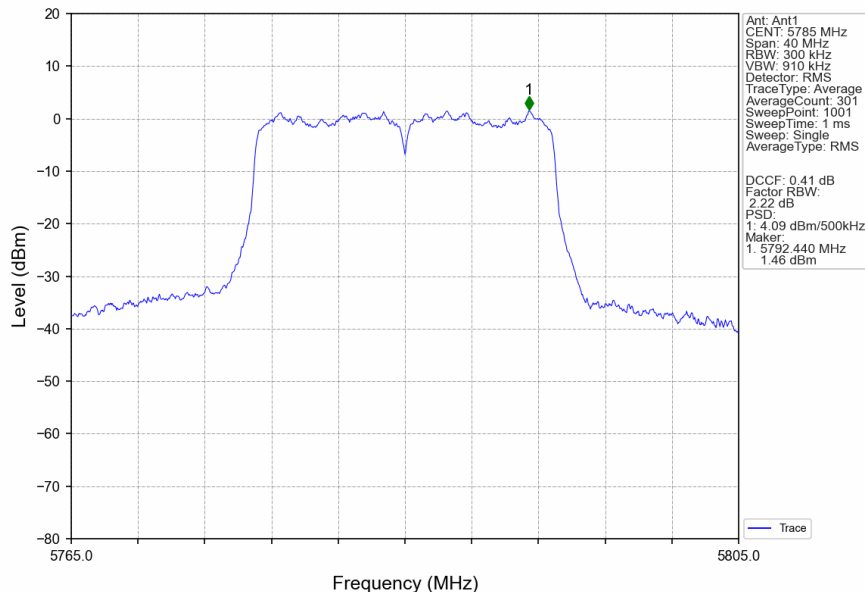
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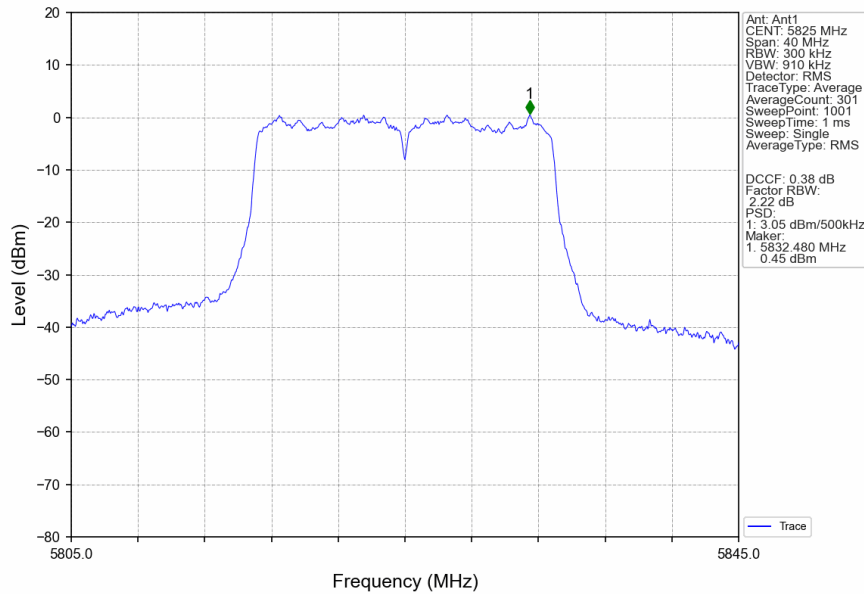
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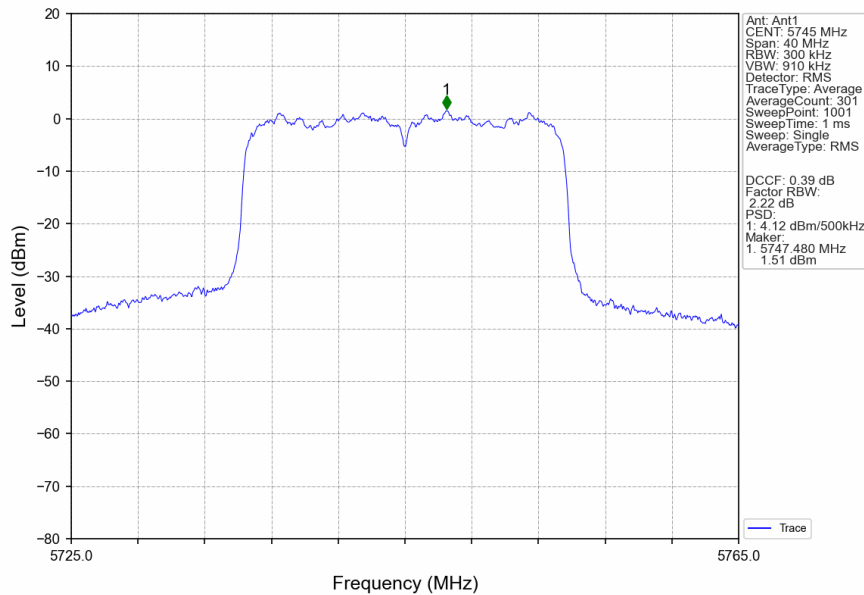
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802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



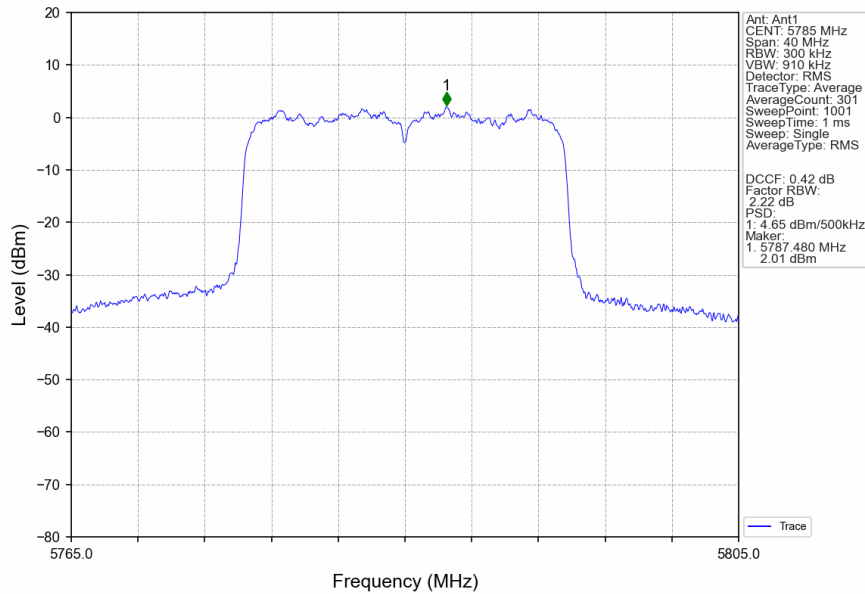
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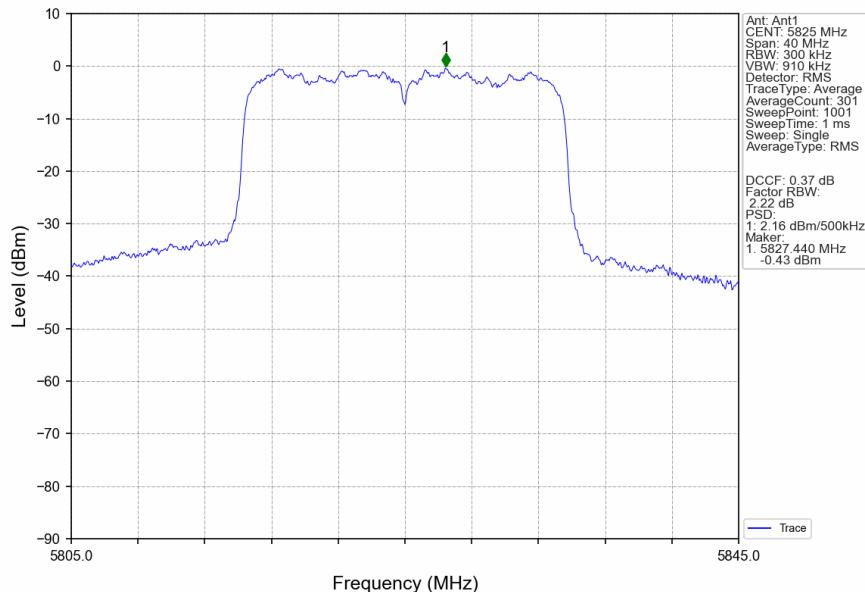
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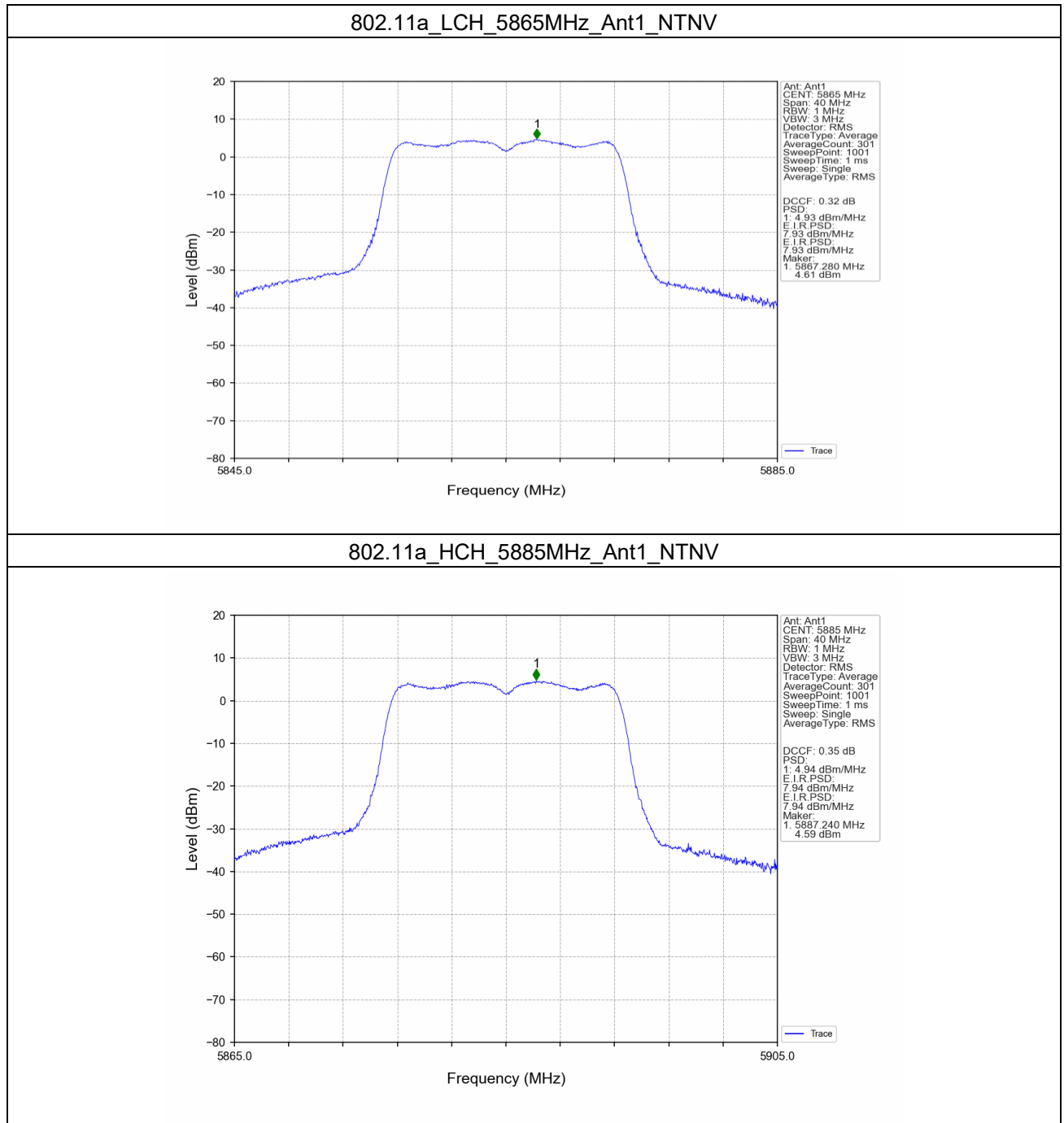
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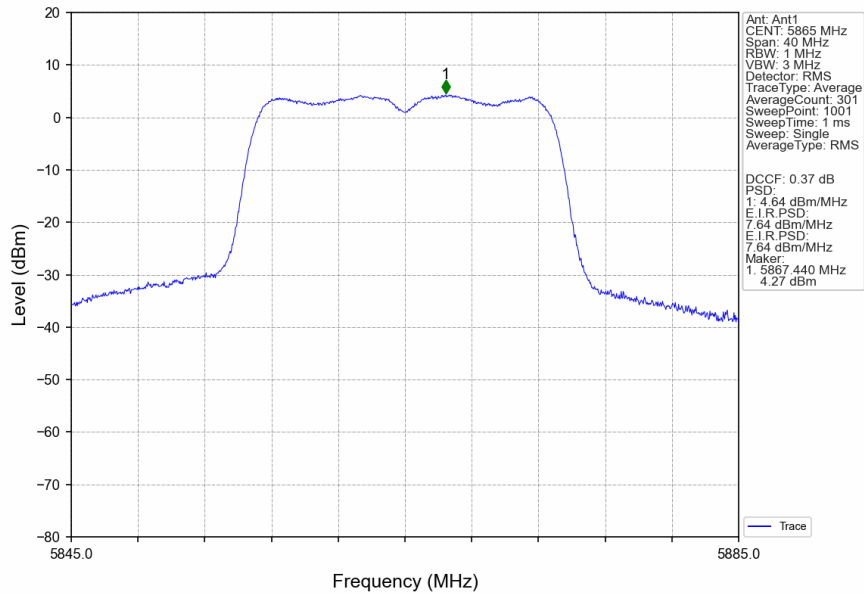
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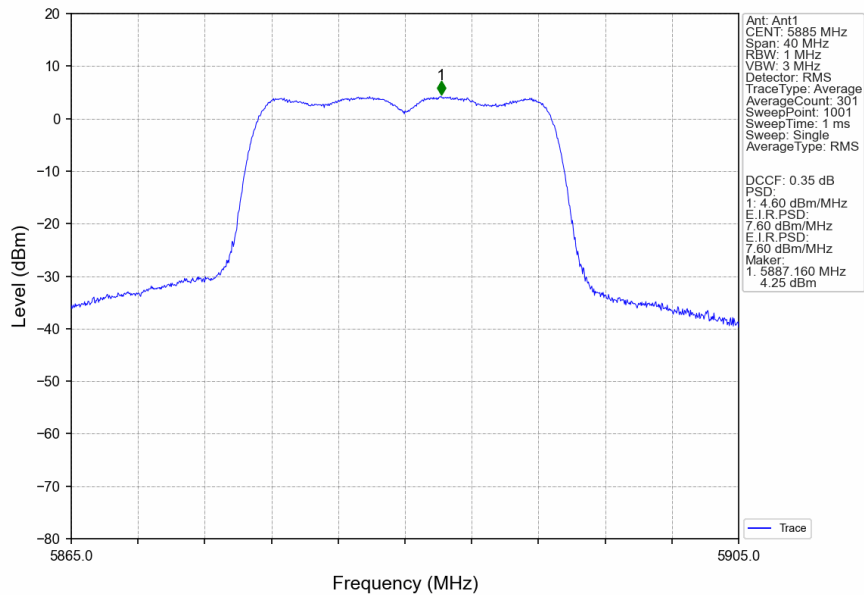
4.2.3 E.I.R.PSD



802.11n(HT20)_LCH_5865MHz_Ant1_NTNV



802.11n(HT20)_HCH_5885MHz_Ant1_NTNV



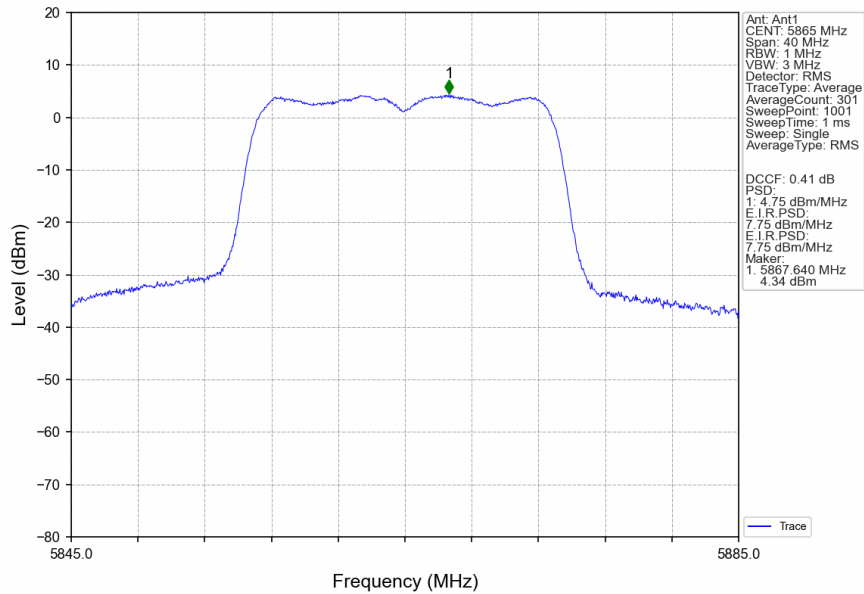
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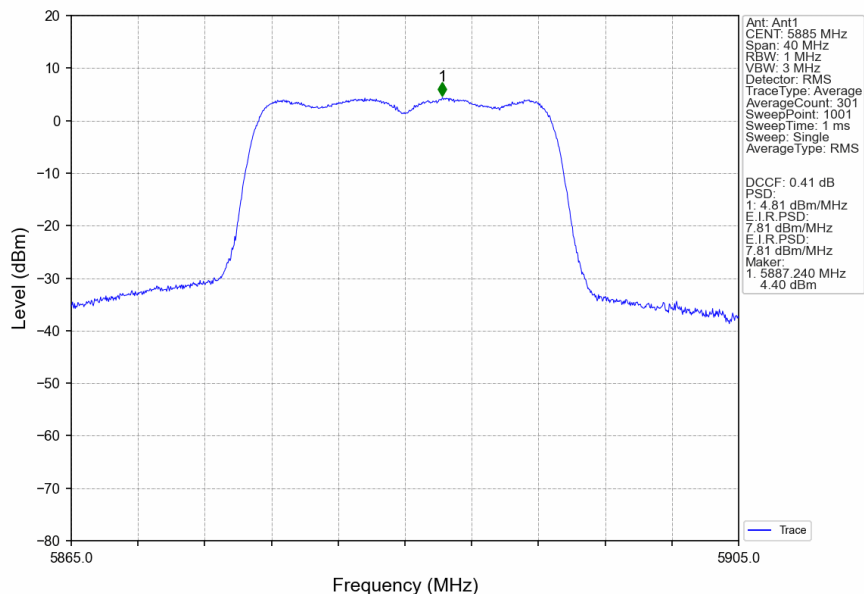
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802.11ac(VHT20)_HCH_5885MHz_Ant1_NTNV



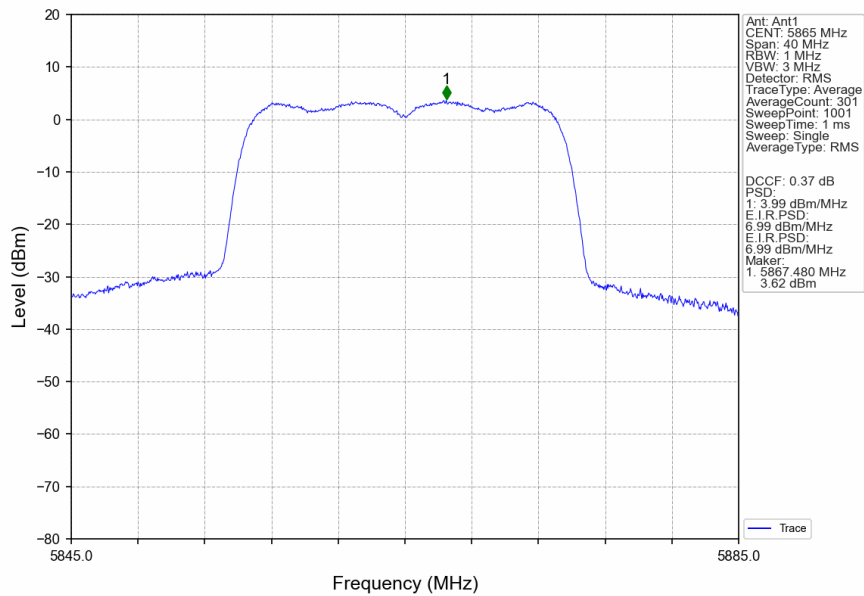
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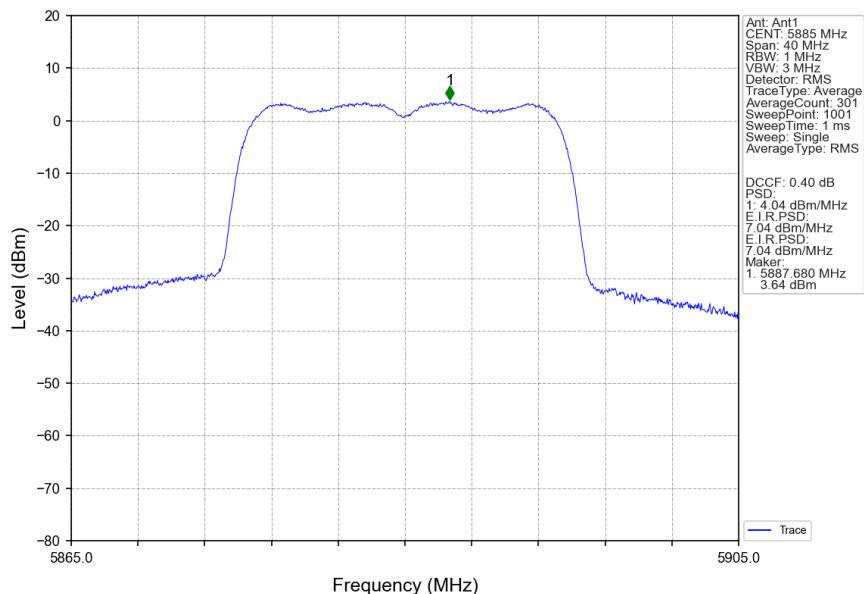
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5. Frequency Stability

5.1 Test Result

5.1.1 Ant1

Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Temperature (°C)	Voltage (VDC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	/	/	20	10.2	5179.960	5150 to 5250	Pass
						12	5179.980	5150 to 5250	Pass
						13.8	5180.000	5150 to 5250	Pass
					-30	12	5179.980	5150 to 5250	Pass
					-20	12	5179.960	5150 to 5250	Pass
					-10	12	5180.000	5150 to 5250	Pass
					0	12	5179.980	5150 to 5250	Pass
					10	12	5180.000	5150 to 5250	Pass
					30	12	5180.000	5150 to 5250	Pass
					40	12	5179.980	5150 to 5250	Pass
					50	12	5179.960	5150 to 5250	Pass
		5200	/	/	20	10.2	5199.980	5150 to 5250	Pass
						12	5199.980	5150 to 5250	Pass
						13.8	5199.980	5150 to 5250	Pass
					-30	12	5199.960	5150 to 5250	Pass
					-20	12	5199.980	5150 to 5250	Pass
					-10	12	5199.980	5150 to 5250	Pass
					0	12	5200.000	5150 to 5250	Pass
					10	12	5200.000	5150 to 5250	Pass
					30	12	5199.980	5150 to 5250	Pass
					40	12	5199.980	5150 to 5250	Pass
					50	12	5199.960	5150 to 5250	Pass
		5240	/	/	20	10.2	5239.940	5150 to 5250	Pass
						12	5239.960	5150 to 5250	Pass
						13.8	5239.960	5150 to 5250	Pass
					-30	12	5239.940	5150 to 5250	Pass
					-20	12	5239.940	5150 to 5250	Pass
					-10	12	5239.980	5150 to 5250	Pass

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Report No.: SZCR251000450804

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					0	12	5239.940	5150 to 5250	Pass
					10	12	5239.960	5150 to 5250	Pass
					30	12	5239.960	5150 to 5250	Pass
					40	12	5239.960	5150 to 5250	Pass
					50	12	5239.960	5150 to 5250	Pass
		5260	/	/	20	10.2	5259.960	5250 to 5350	Pass
						12	5259.980	5250 to 5350	Pass
						13.8	5259.980	5250 to 5350	Pass
					-30	12	5259.940	5250 to 5350	Pass
					-20	12	5259.980	5250 to 5350	Pass
					-10	12	5259.980	5250 to 5350	Pass
					0	12	5259.980	5250 to 5350	Pass
					10	12	5260.000	5250 to 5350	Pass
					30	12	5259.980	5250 to 5350	Pass
					40	12	5259.980	5250 to 5350	Pass
					50	12	5260.020	5250 to 5350	Pass
		5300	/	/	20	10.2	5299.980	5250 to 5350	Pass
						12	5300.000	5250 to 5350	Pass
						13.8	5299.960	5250 to 5350	Pass
					-30	12	5300.000	5250 to 5350	Pass
					-20	12	5299.980	5250 to 5350	Pass
					-10	12	5299.980	5250 to 5350	Pass
					0	12	5299.980	5250 to 5350	Pass
					10	12	5299.980	5250 to 5350	Pass
					30	12	5300.020	5250 to 5350	Pass
					40	12	5300.000	5250 to 5350	Pass
					50	12	5299.980	5250 to 5350	Pass
		5320	/	/	20	10.2	5319.940	5250 to 5350	Pass
						12	5320.000	5250 to 5350	Pass
						13.8	5319.960	5250 to 5350	Pass
					-30	12	5319.980	5250 to 5350	Pass
					-20	12	5319.980	5250 to 5350	Pass
					-10	12	5320.000	5250 to 5350	Pass
					0	12	5320.000	5250 to 5350	Pass
					10	12	5319.960	5250 to 5350	Pass
					30	12	5319.980	5250 to 5350	Pass
					40	12	5319.980	5250 to 5350	Pass
					50	12	5319.960	5250 to 5350	Pass
		5500	/	/	20	10.2	5499.900	5470 to 5725	Pass

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						12	5499.960	5470 to 5725	Pass
						13.8	5500.000	5470 to 5725	Pass
					-30	12	5499.980	5470 to 5725	Pass
					-20	12	5499.960	5470 to 5725	Pass
					-10	12	5499.960	5470 to 5725	Pass
					0	12	5499.960	5470 to 5725	Pass
					10	12	5499.940	5470 to 5725	Pass
					30	12	5499.960	5470 to 5725	Pass
					40	12	5500.000	5470 to 5725	Pass
					50	12	5499.960	5470 to 5725	Pass
		5580	/	/	20	10.2	5579.960	5470 to 5725	Pass
						12	5579.960	5470 to 5725	Pass
						13.8	5579.980	5470 to 5725	Pass
					-30	12	5579.960	5470 to 5725	Pass
					-20	12	5580.020	5470 to 5725	Pass
					-10	12	5579.960	5470 to 5725	Pass
					0	12	5579.980	5470 to 5725	Pass
					10	12	5579.960	5470 to 5725	Pass
					30	12	5579.980	5470 to 5725	Pass
					40	12	5579.940	5470 to 5725	Pass
		50	12	5579.980	5470 to 5725	Pass			
		5700	/	/	20	10.2	5699.960	5470 to 5725	Pass
						12	5699.960	5470 to 5725	Pass
						13.8	5699.980	5470 to 5725	Pass
					-30	12	5699.960	5470 to 5725	Pass
					-20	12	5699.980	5470 to 5725	Pass
					-10	12	5699.980	5470 to 5725	Pass
					0	12	5700.000	5470 to 5725	Pass
					10	12	5700.000	5470 to 5725	Pass
					30	12	5699.960	5470 to 5725	Pass
					40	12	5699.980	5470 to 5725	Pass
		50	12	5699.980	5470 to 5725	Pass			
		5745	/	/	20	10.2	5744.980	5725 to 5850	Pass
						12	5745.000	5725 to 5850	Pass
						13.8	5745.000	5725 to 5850	Pass
					-30	12	5744.940	5725 to 5850	Pass
					-20	12	5744.960	5725 to 5850	Pass
					-10	12	5744.980	5725 to 5850	Pass
					0	12	5744.960	5725 to 5850	Pass



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