

Appendix B for SHCR220100008502

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

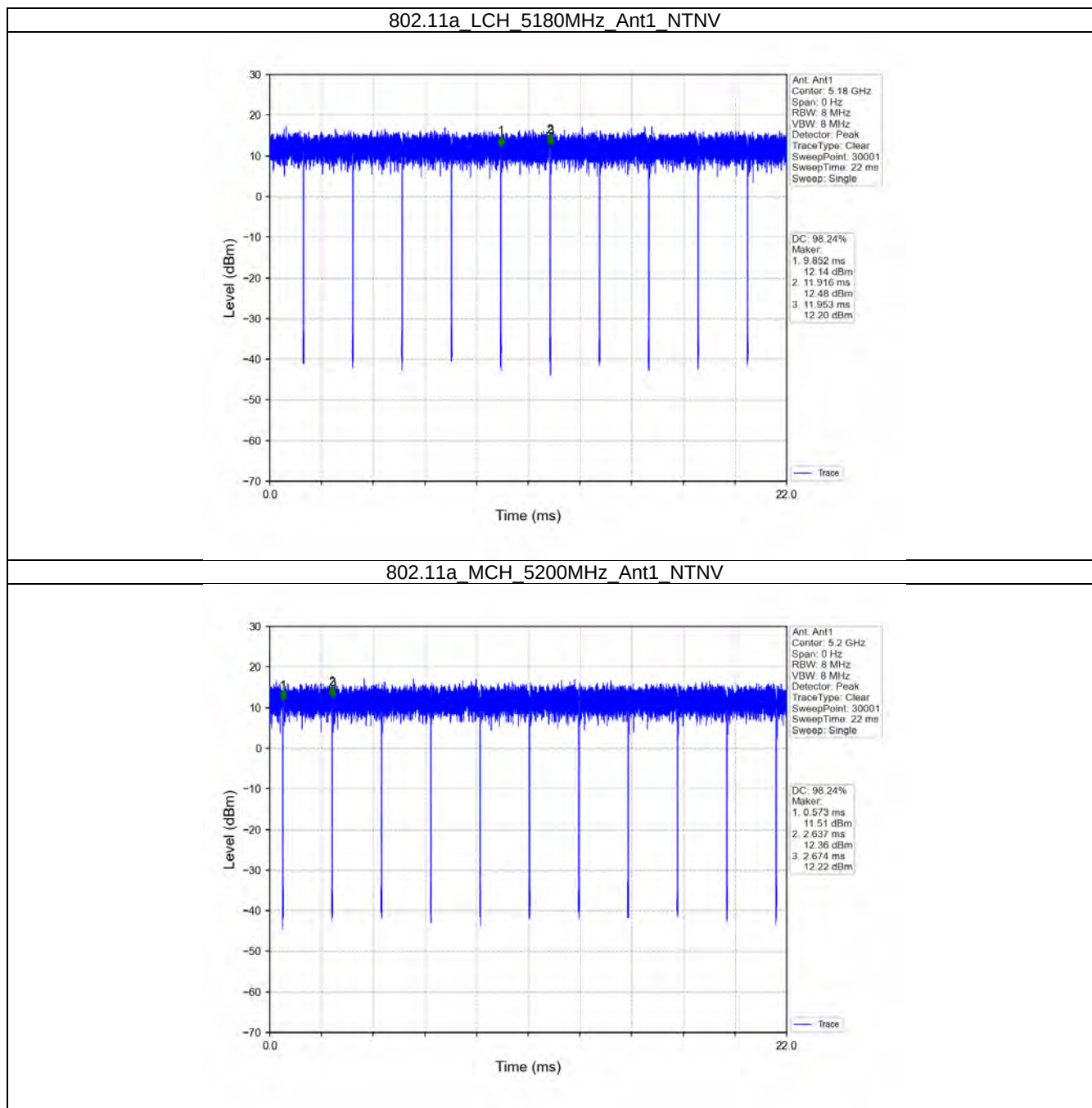
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	2.064	2.101	98.24	0.08	0.03
		5200	2.064	2.101	98.24	0.08	0.03
		5240	2.064	2.101	98.24	0.08	0.03
		5260	2.064	2.101	98.24	0.08	0.03
		5300	2.063	2.100	98.24	0.08	0.03
		5320	2.063	2.100	98.24	0.08	0.03
		5500	2.064	2.100	98.29	0.08	0.03
		5580	2.063	2.100	98.24	0.08	0.03
		5700	2.063	2.100	98.24	0.08	0.03
		5745	2.063	2.100	98.24	0.08	0.03
		5785	2.064	2.100	98.29	0.08	0.03
		5825	2.064	2.100	98.29	0.08	0.03
802.11n (HT20)	SISO	5180	1.919	1.956	98.11	0.08	0.03
		5200	1.920	1.957	98.11	0.08	0.03
		5240	1.919	1.956	98.11	0.08	0.03
		5260	1.919	1.956	98.11	0.08	0.03
		5300	1.920	1.957	98.11	0.08	0.03
		5320	1.919	1.956	98.11	0.08	0.03
		5500	1.920	1.956	98.16	0.08	0.03
		5580	1.920	1.956	98.16	0.08	0.00
		5700	1.919	1.956	98.11	0.08	0.03
		5745	1.920	1.956	98.16	0.08	0.03
		5785	1.919	1.956	98.11	0.08	0.03
		5825	1.919	1.956	98.11	0.08	0.03



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1.1.2 Test Graph



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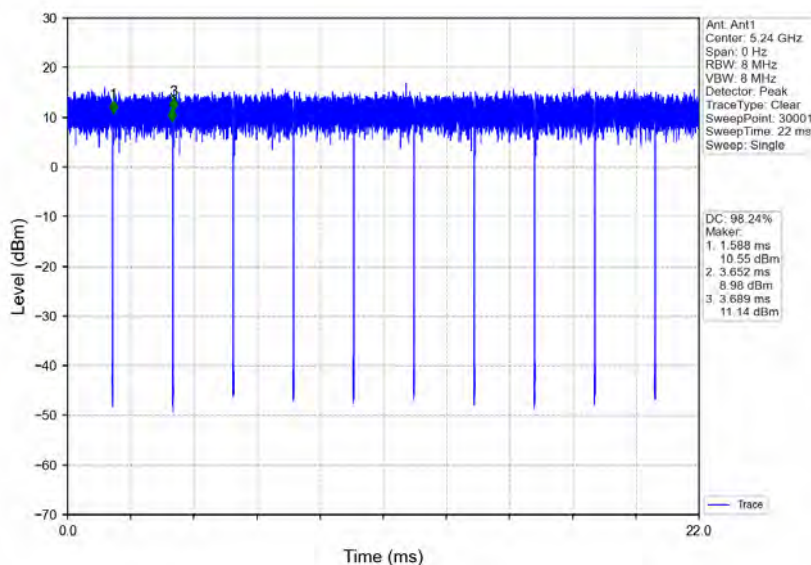
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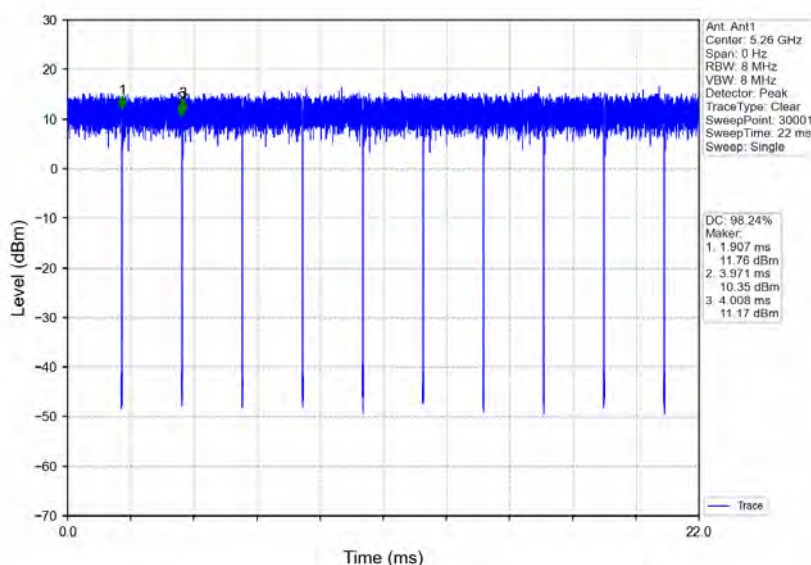
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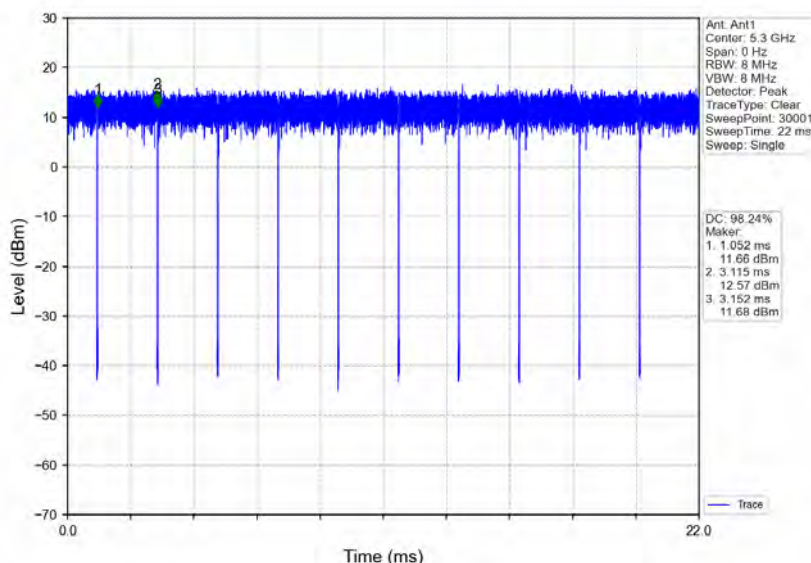
802.11a_HCH_5240MHz_Ant1_NTNV



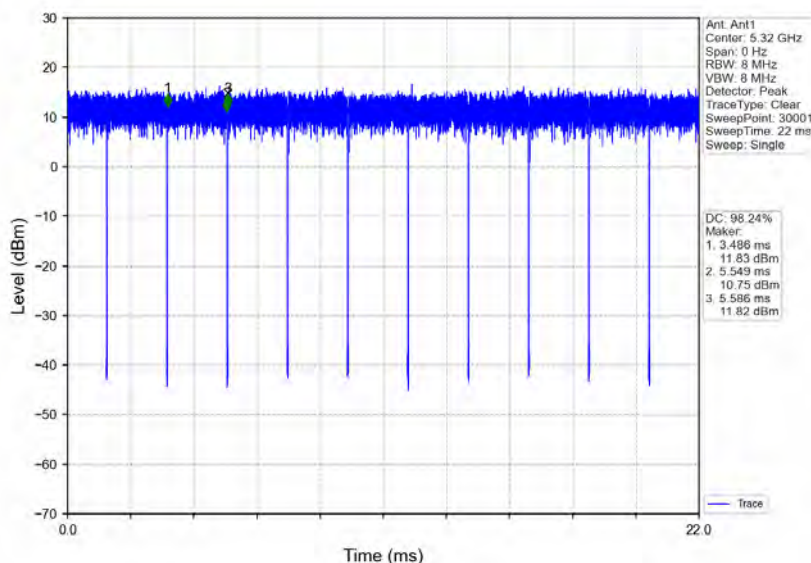
802.11a_LCH_5260MHz_Ant1_NTNV



802.11a_MCH_5300MHz_Ant1_NTNV



802.11a_HCH_5320MHz_Ant1_NTNV



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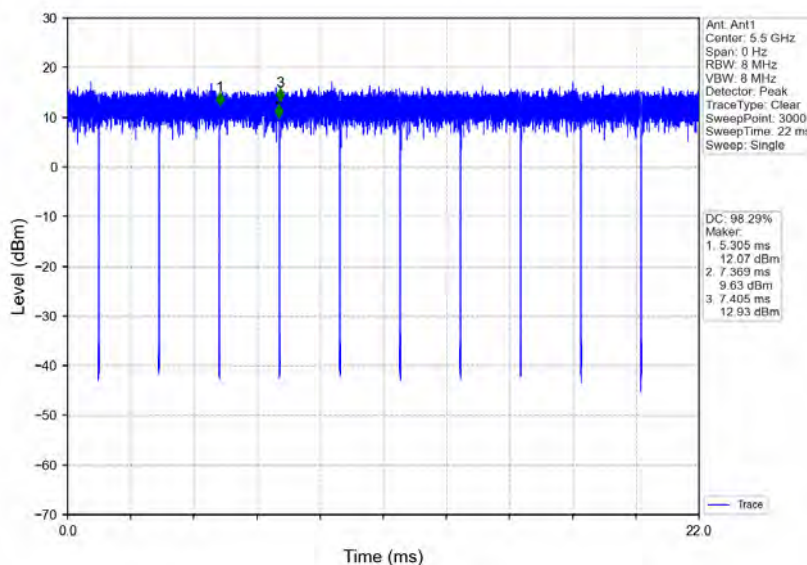
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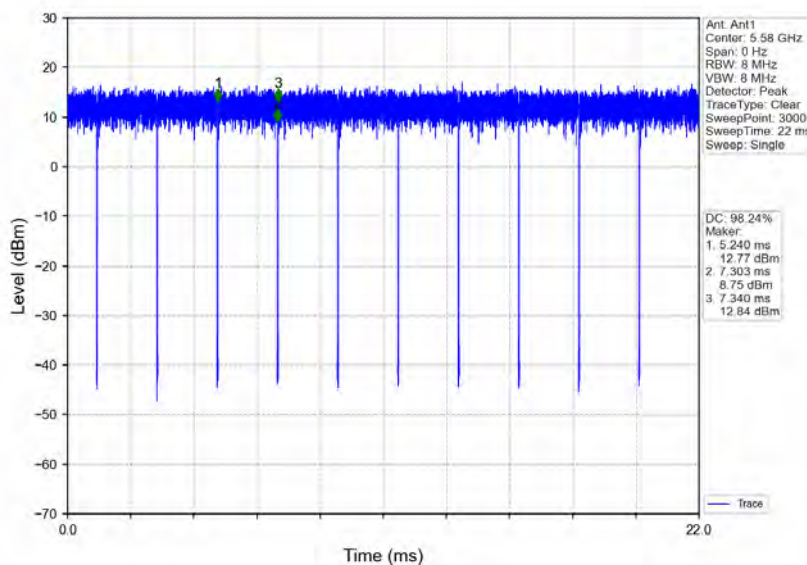
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802.11a_LCH_5500MHz_Ant1_NTNV



802.11a_MCH_5580MHz_Ant1_NTNV



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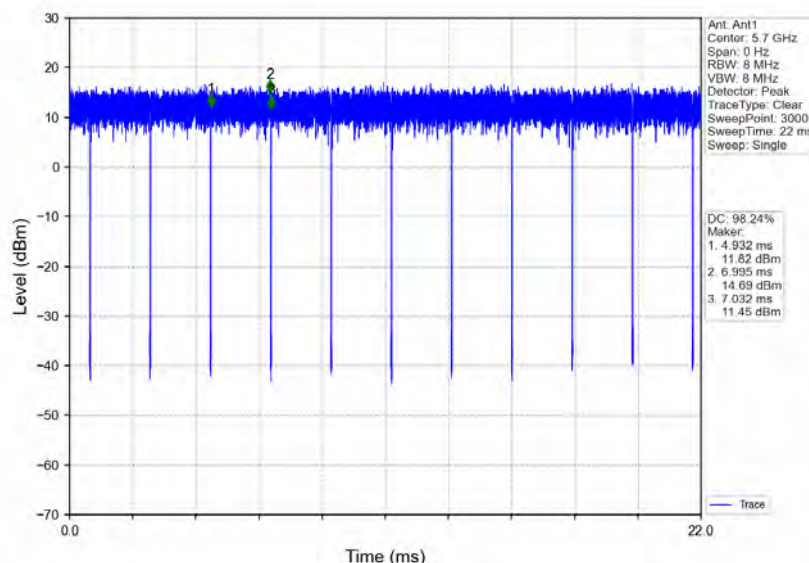
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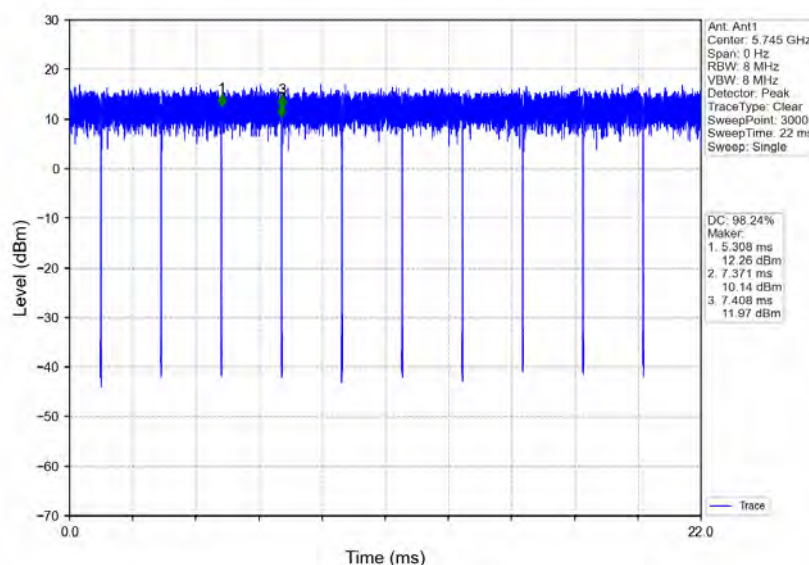
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802.11a HCH 5700MHz Ant1 NTN



802.11a LCH 5745MHz Ant1 NTN



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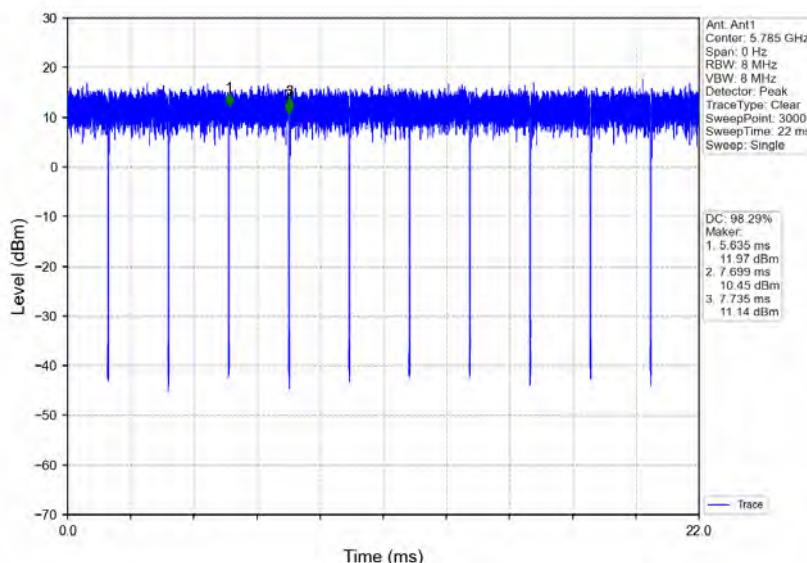
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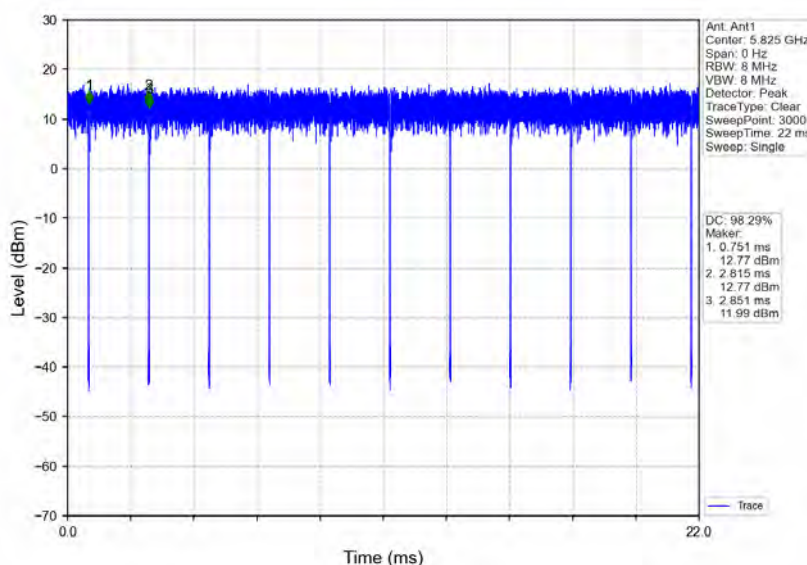
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802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant1_NTNV



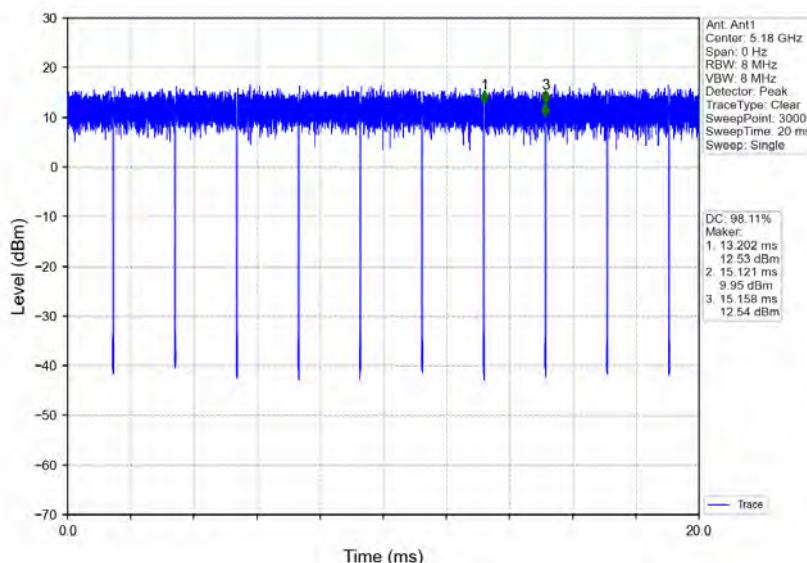
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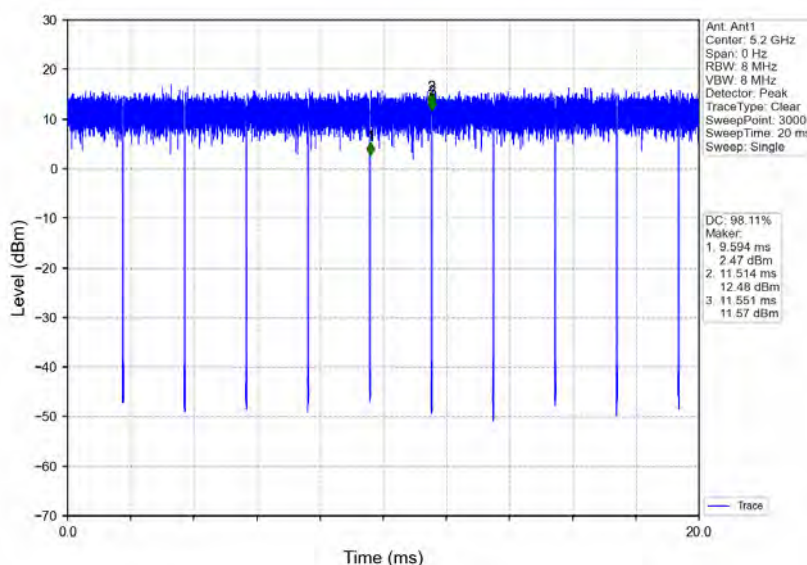
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802.11n(HT20) LCH 5180MHz Ant1 NTN



802.11n(HT20) MCH 5200MHz Ant1 NTN



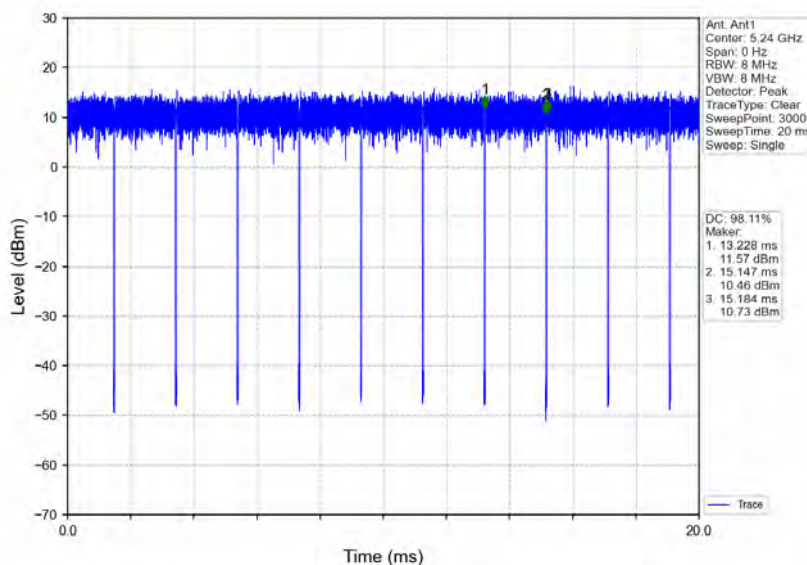
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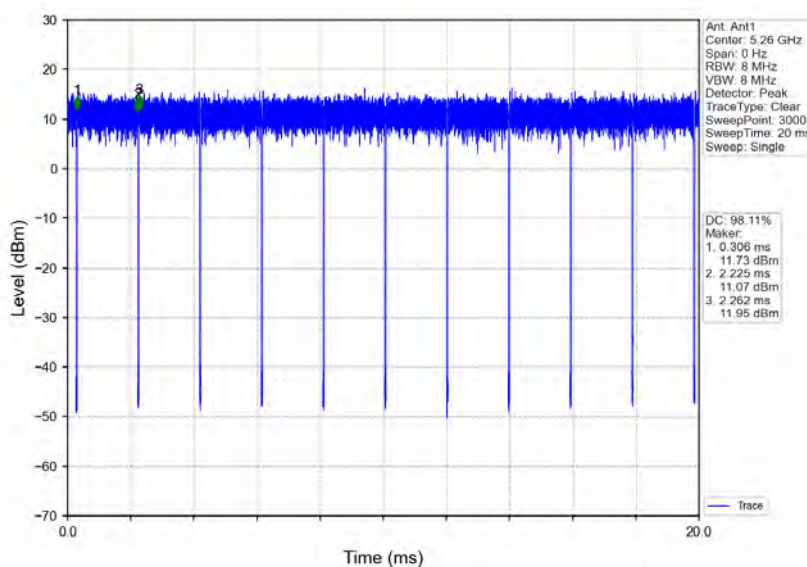
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802.11n(HT20) HCH 5240MHz Ant1 NTN



802.11n(HT20) LCH 5260MHz Ant1 NTN



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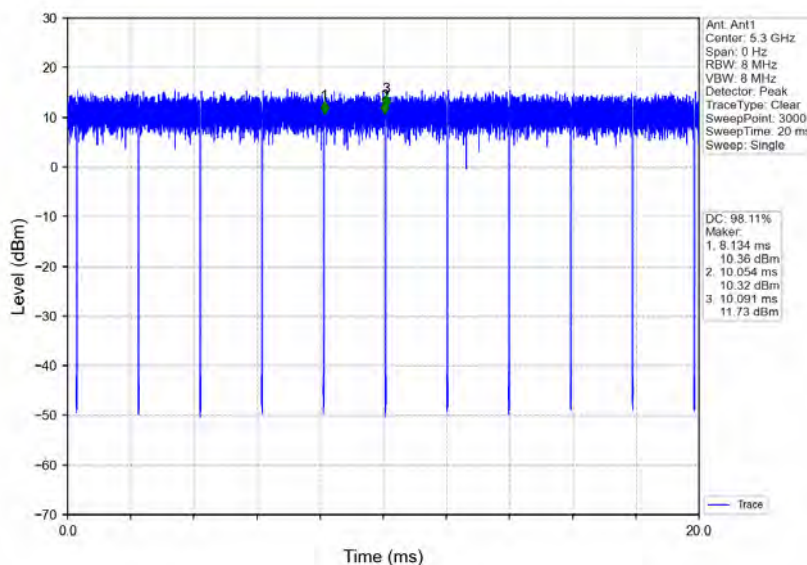
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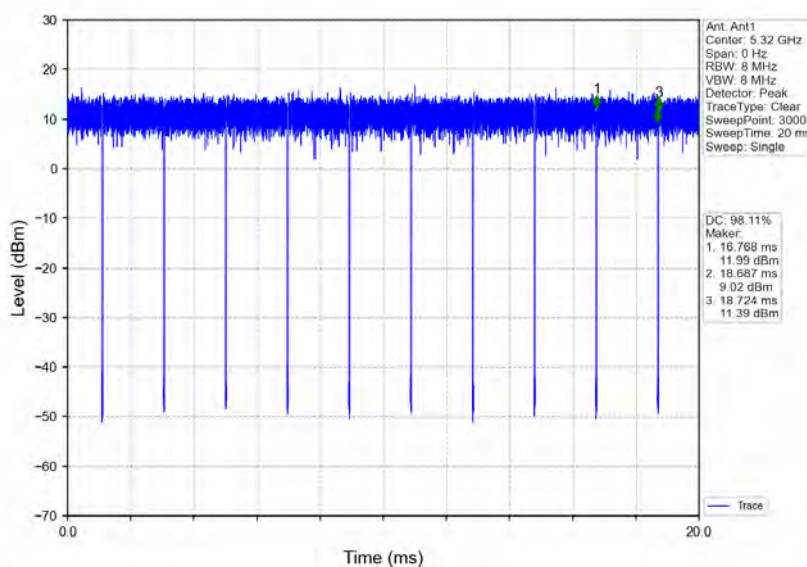
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802.11n(HT20) MCH 5300MHz Ant1 NTN



802.11n(HT20) HCH 5320MHz Ant1 NTN



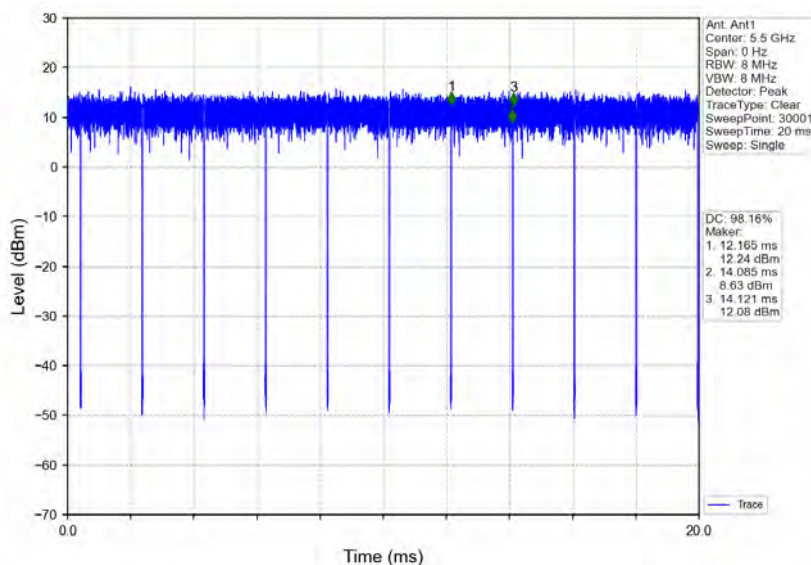
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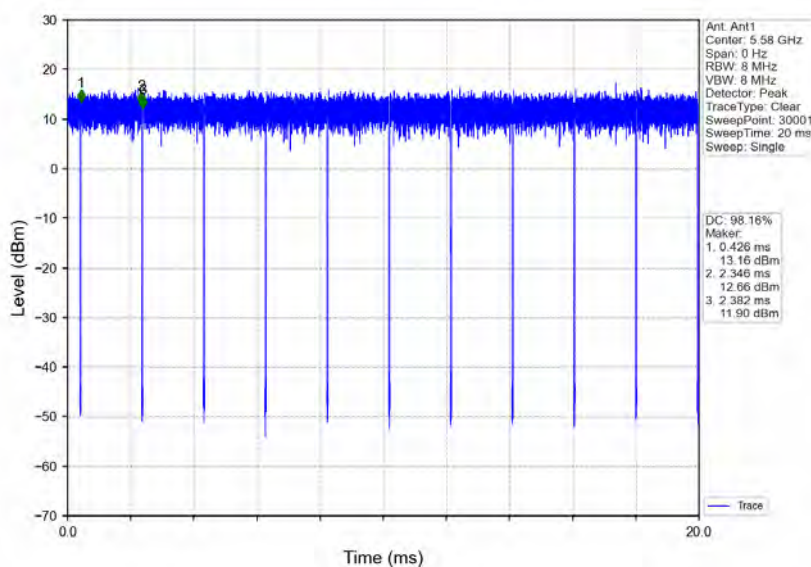
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802.11n(HT20) LCH 5500MHz Ant1 NTN



802.11n(HT20) MCH 5580MHz Ant1 NTN



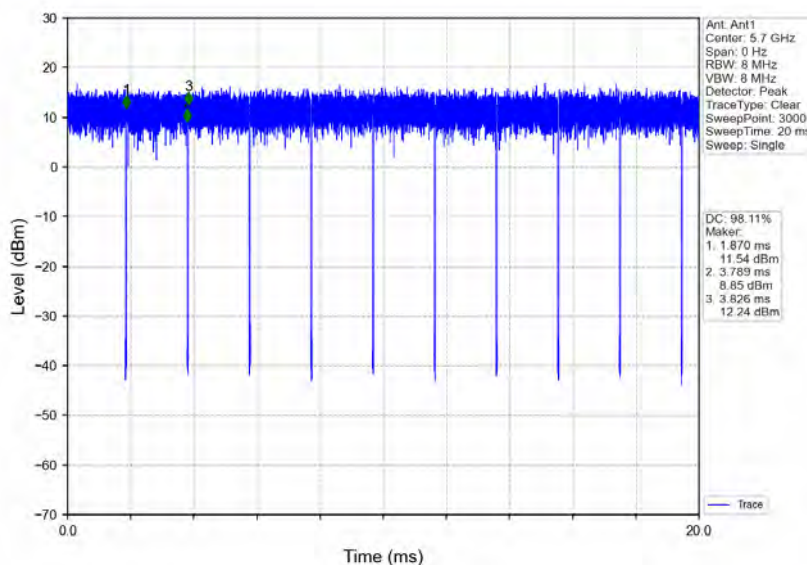
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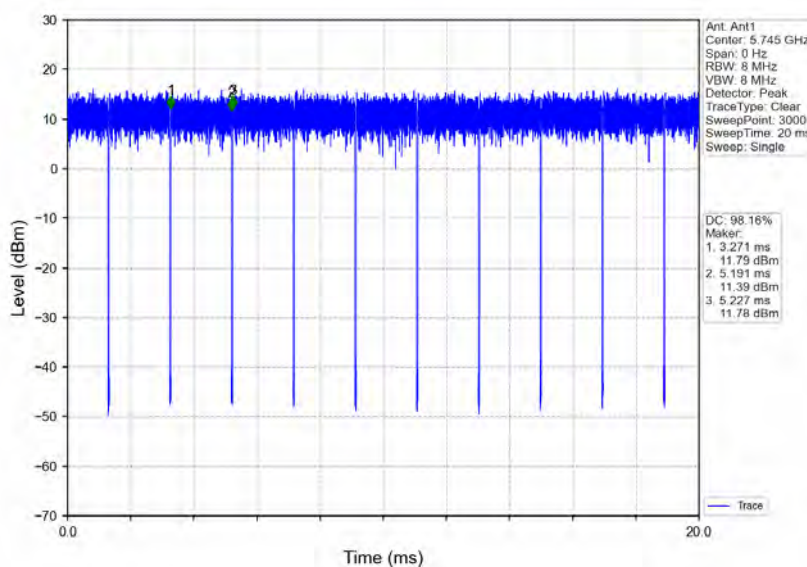
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802.11n(HT20) HCH 5700MHz Ant1 NTNV



802.11n(HT20) LCH 5745MHz Ant1 NTNV



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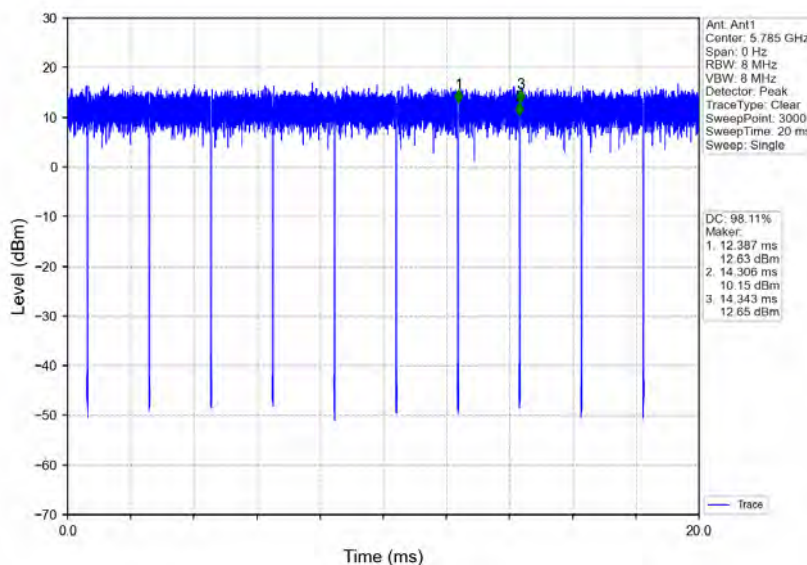
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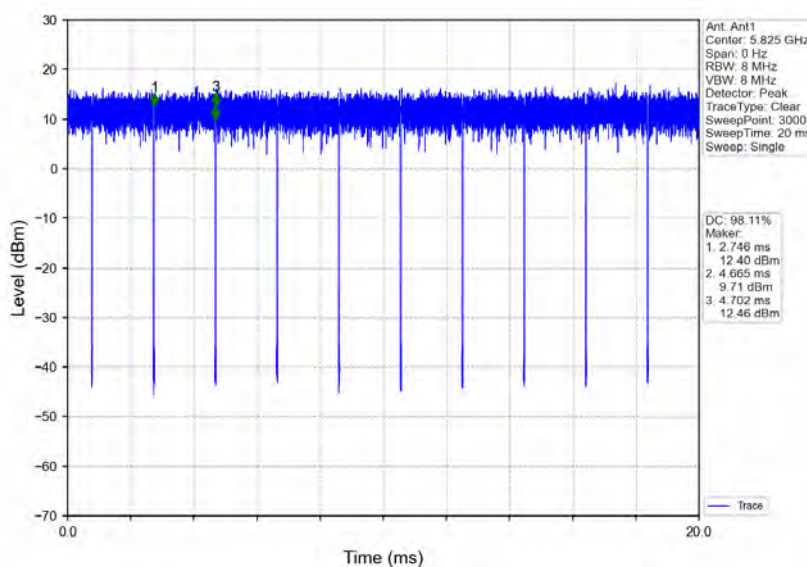
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802.11n(HT20) MCH 5785MHz Ant1 NTV



802.11n(HT20) HCH 5825MHz Ant1 NTV



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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	19.019	Pass
			2	19.415	Pass
		5200	1	19.803	Pass
			2	19.782	Pass
		5240	1	20.394	Pass
			2	20.233	Pass
		5260	1	21.392	Pass
			2	21.743	Pass
		5300	1	21.856	Pass
			2	21.739	Pass
		5320	1	20.346	Pass
			2	20.794	Pass
		5500	1	20.423	Pass
			2	20.738	Pass
		5580	1	19.118	Pass
			2	19.604	Pass
		5700	1	18.256	Pass
			2	18.186	Pass
		5745	1	18.028	Pass
			2	18.153	Pass
802.11n (HT20)	SISO	5180	1	23.593	Pass
			2	22.856	Pass
		5200	1	21.959	Pass
			2	22.565	Pass
		5240	1	22.638	Pass
			2	22.362	Pass
		5260	1	24.037	Pass
			2	24.213	Pass
		5300	1	24.231	Pass
			2	23.967	Pass
		5320	1	22.597	Pass
			2	23.328	Pass
		5500	1	21.018	Pass
			2	20.704	Pass
		5580	1	21.014	Pass
			2	20.907	Pass
		5700	1	19.130	Pass
			2	19.004	Pass
		5745	1	19.014	Pass
			2	18.806	Pass
		5785	1	19.216	Pass



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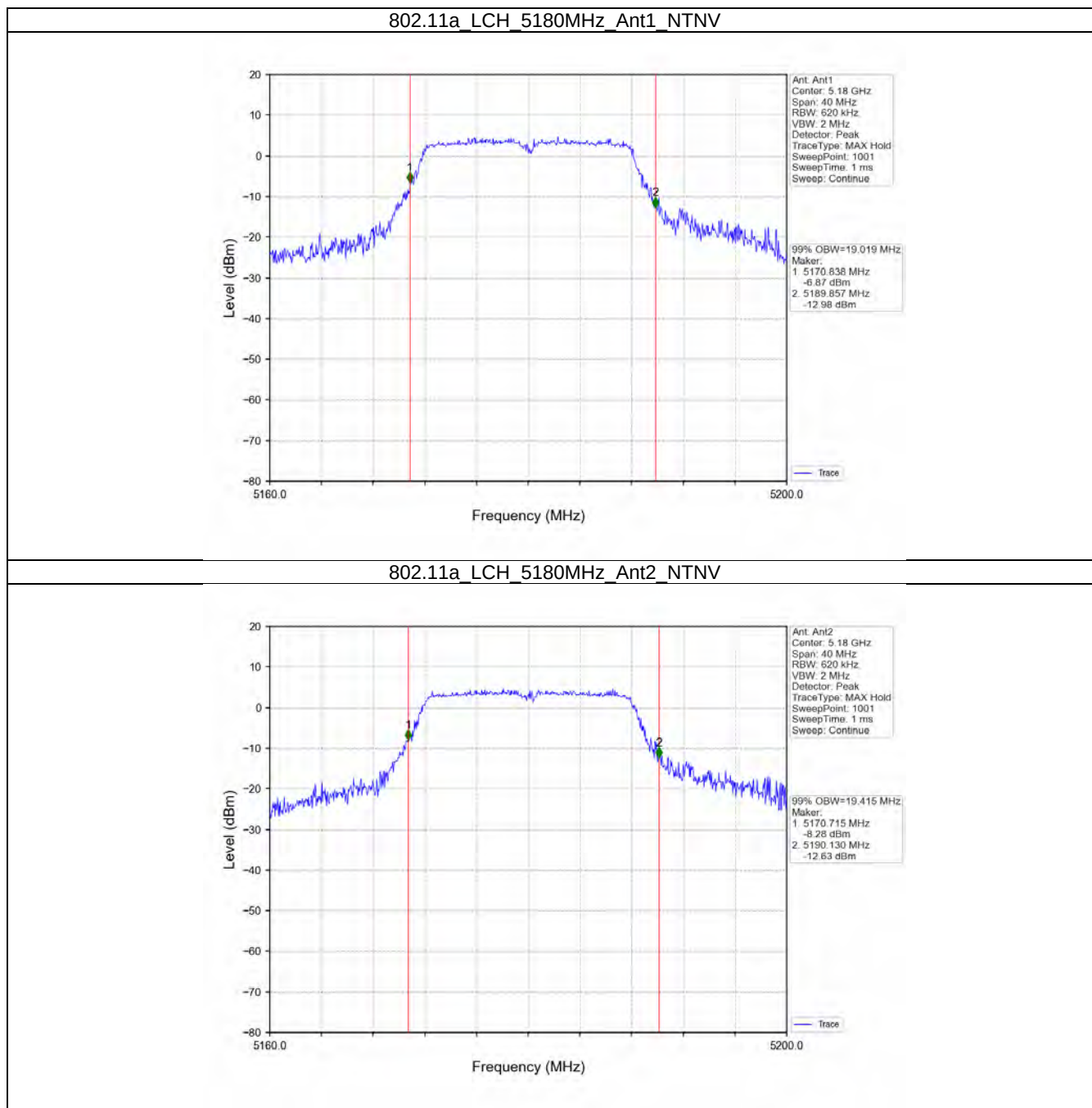
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	5825	2	19.132	Pass
		1	19.246	Pass
		2	19.013	Pass



2.1.2 Test Graph



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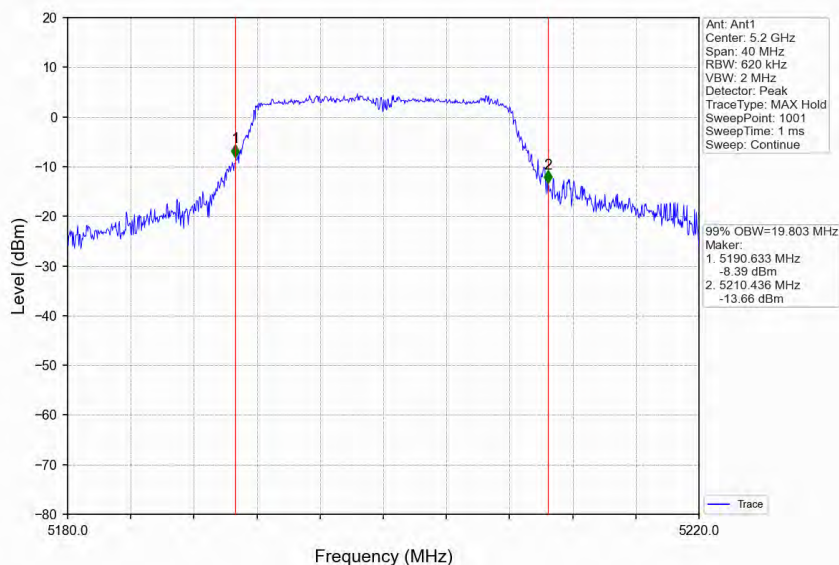
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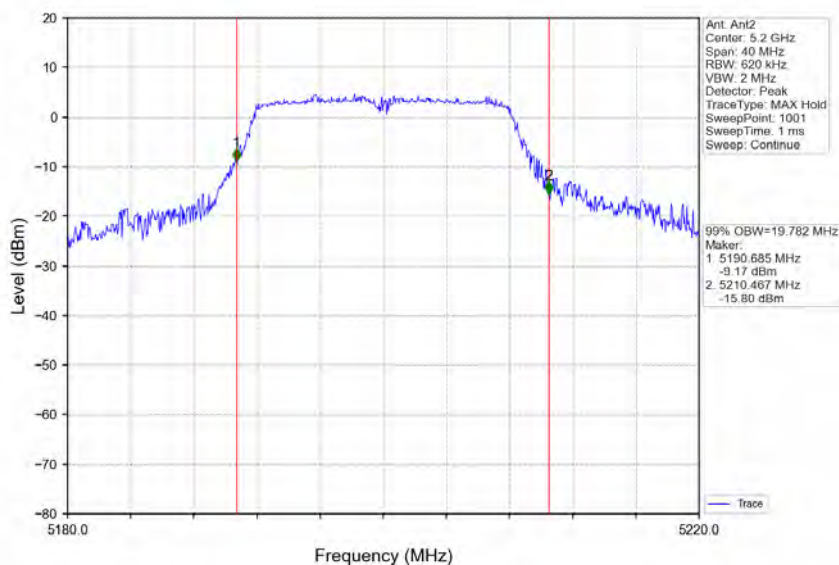
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802.11a_MCH_5200MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant2_NTNV



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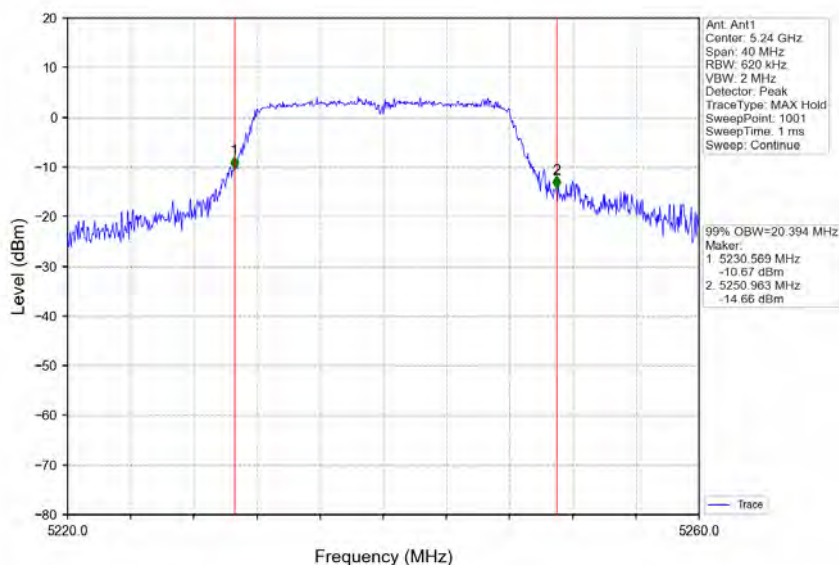
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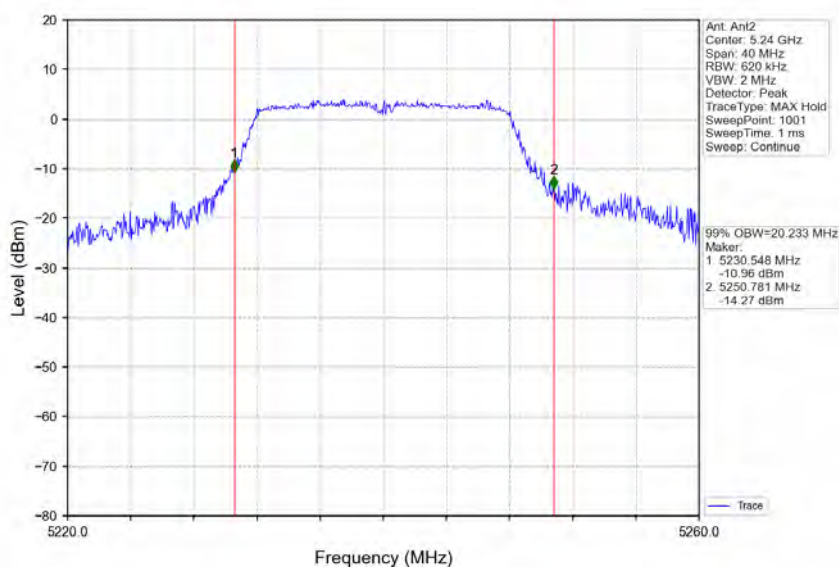
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_HCH_5240MHz_Ant2_NTNV



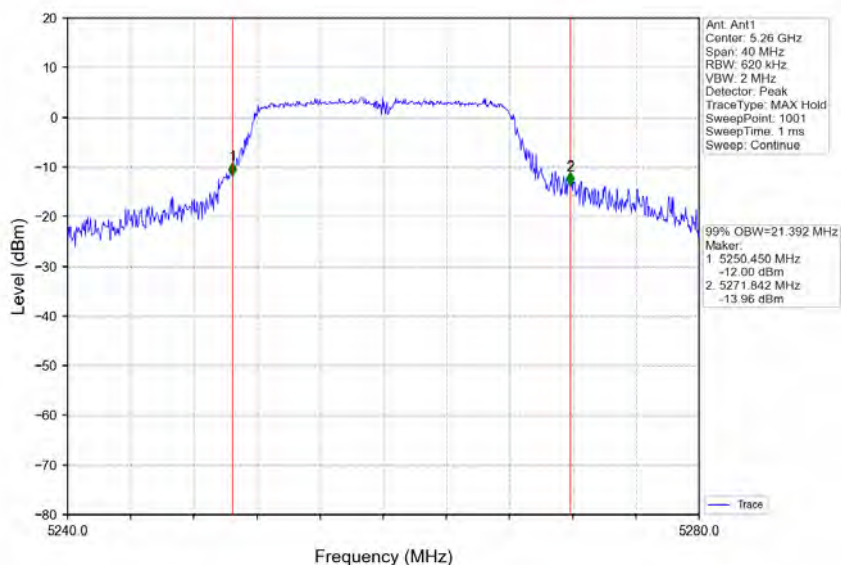
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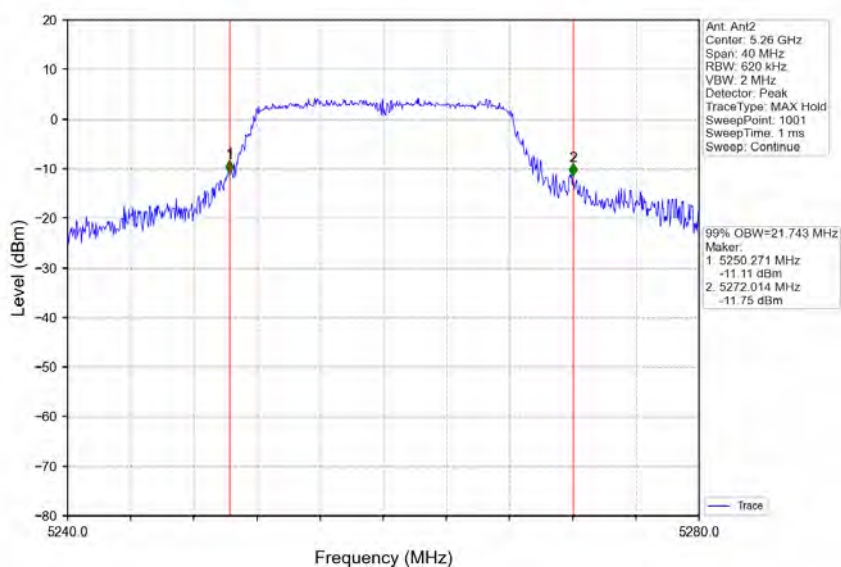
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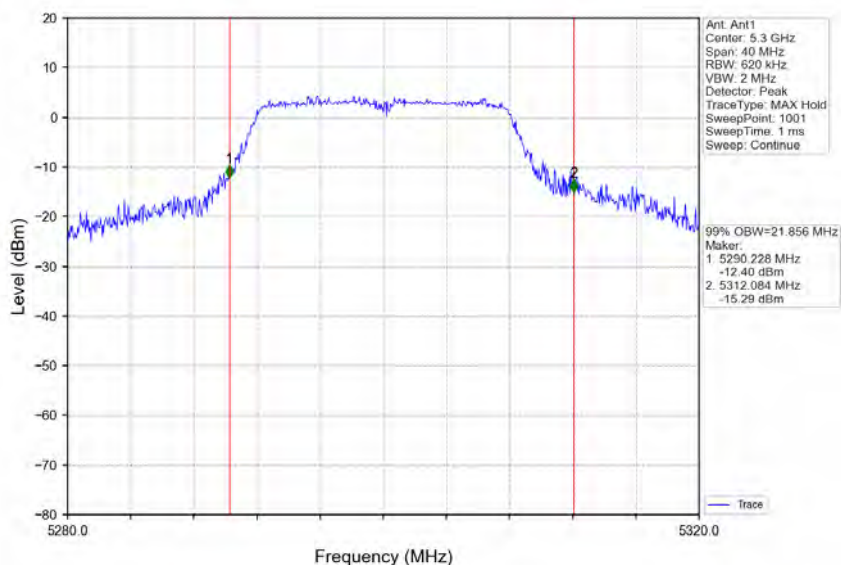
802.11a LCH_5260MHz_Ant1_NTNV



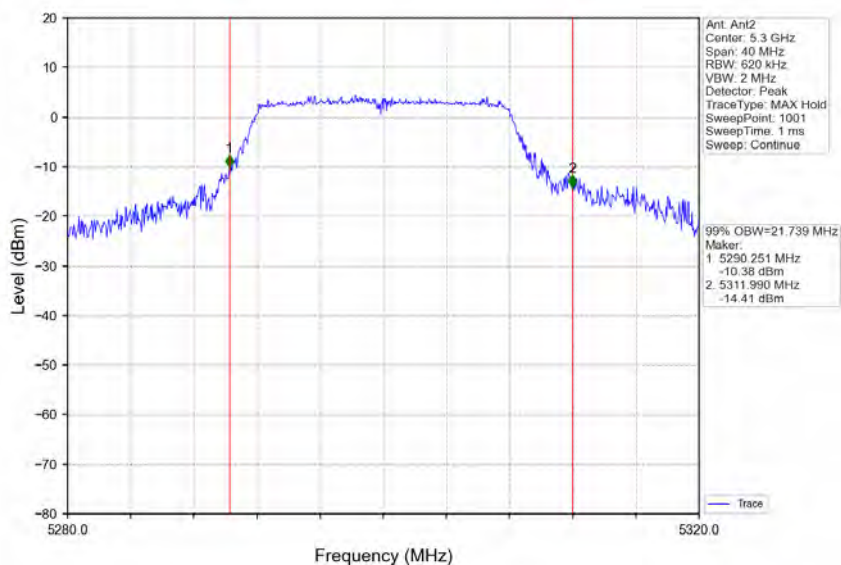
802.11a LCH_5260MHz_Ant2_NTNV



802.11a MCH 5300MHz Ant1 NTNv



802.11a MCH 5300MHz Ant2 NTNv



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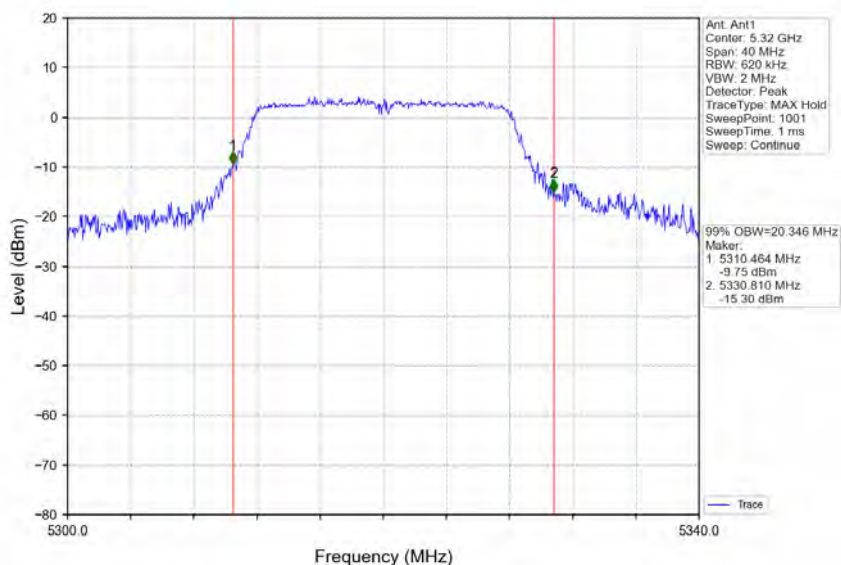
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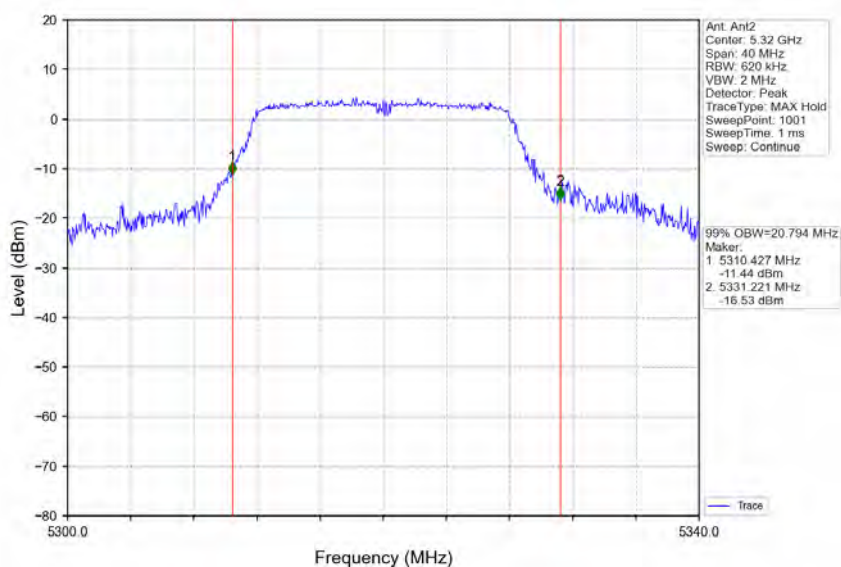
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802.11a_HCH_5320MHz_Ant2_NTNV



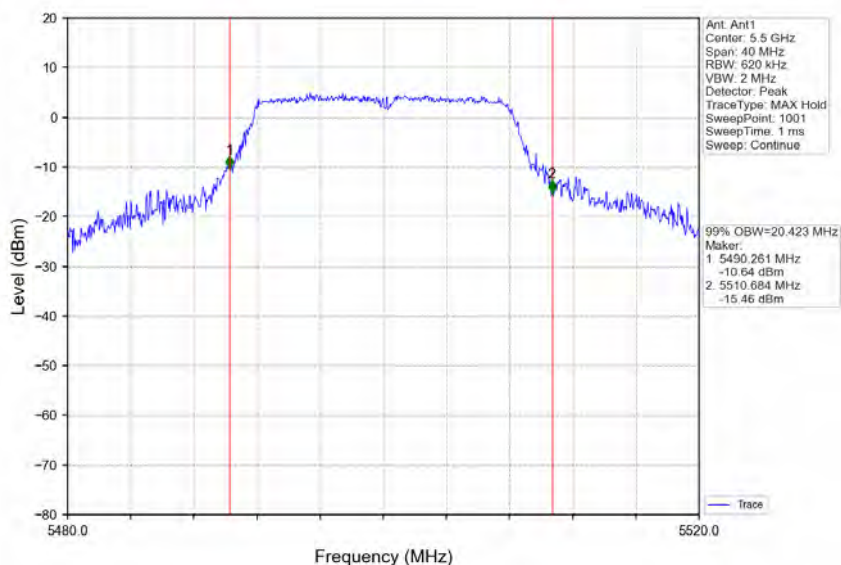
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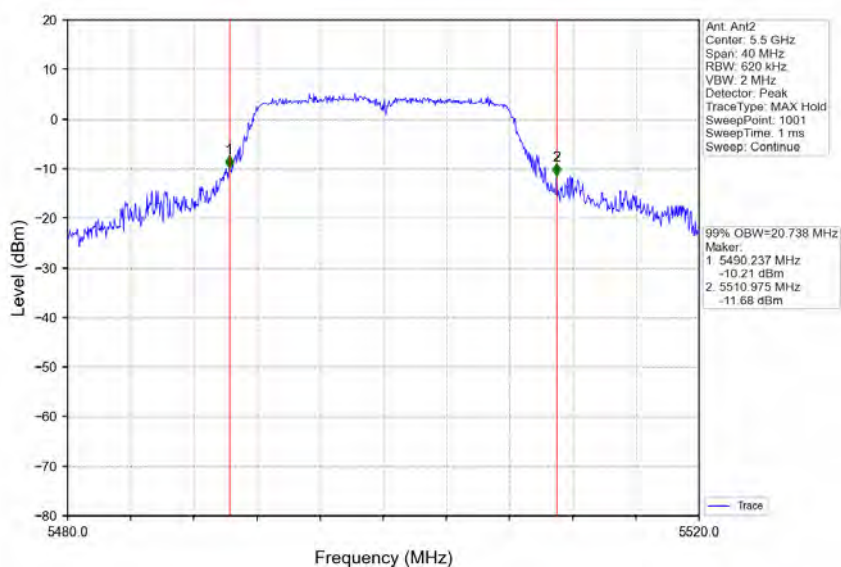
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802.11a_LCH_5500MHz_Ant1_NTNV



802.11a_LCH_5500MHz_Ant2_NTNV



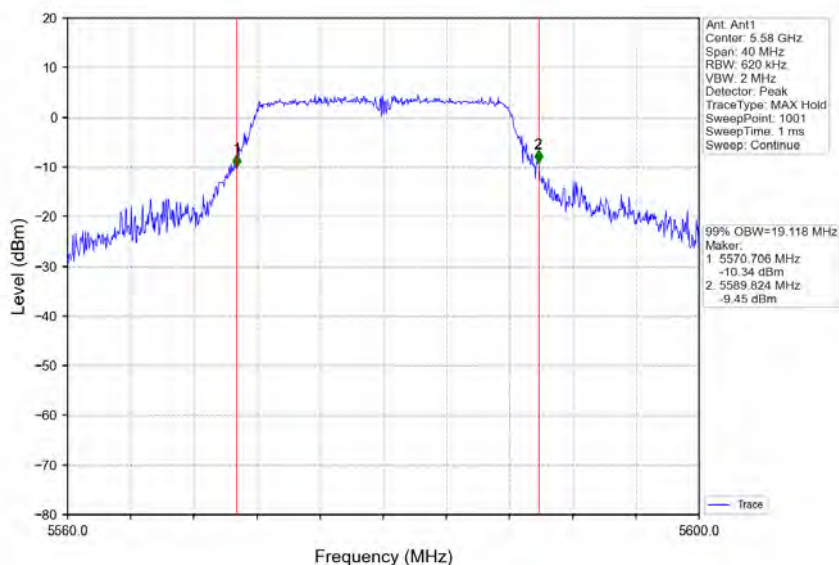
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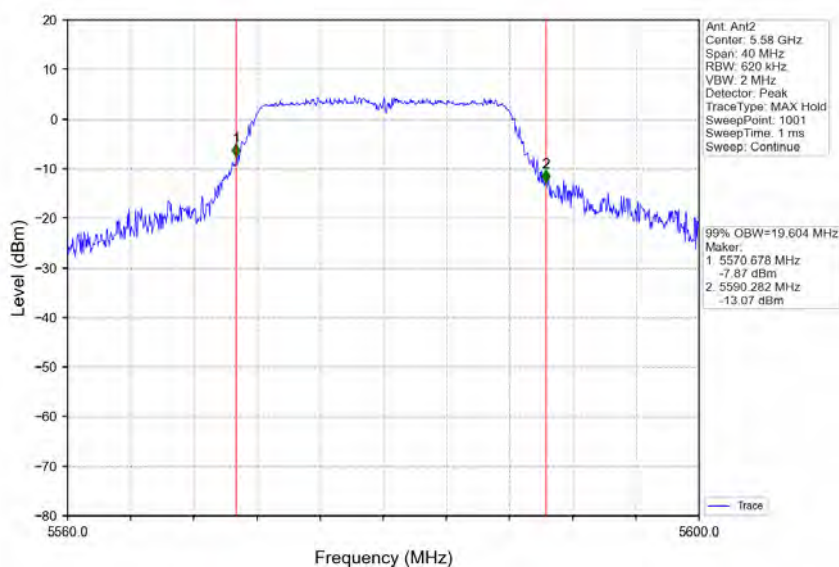
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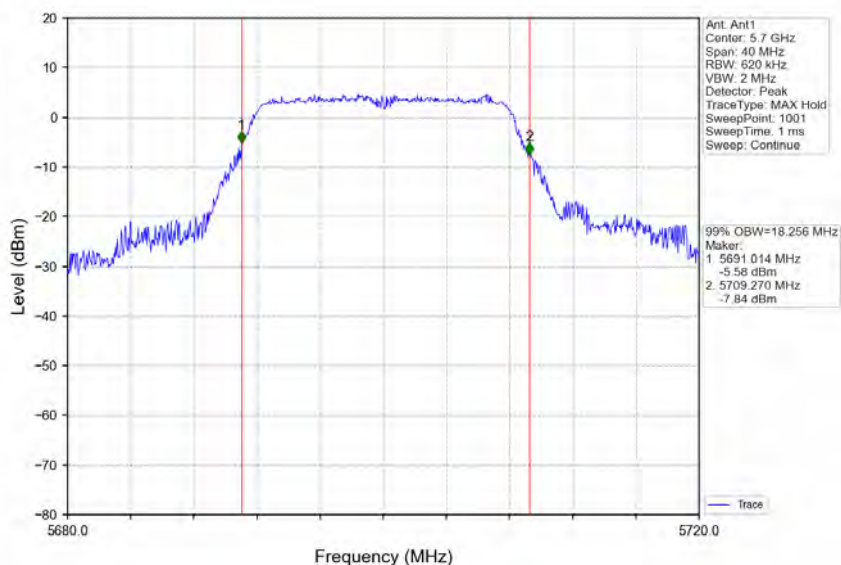
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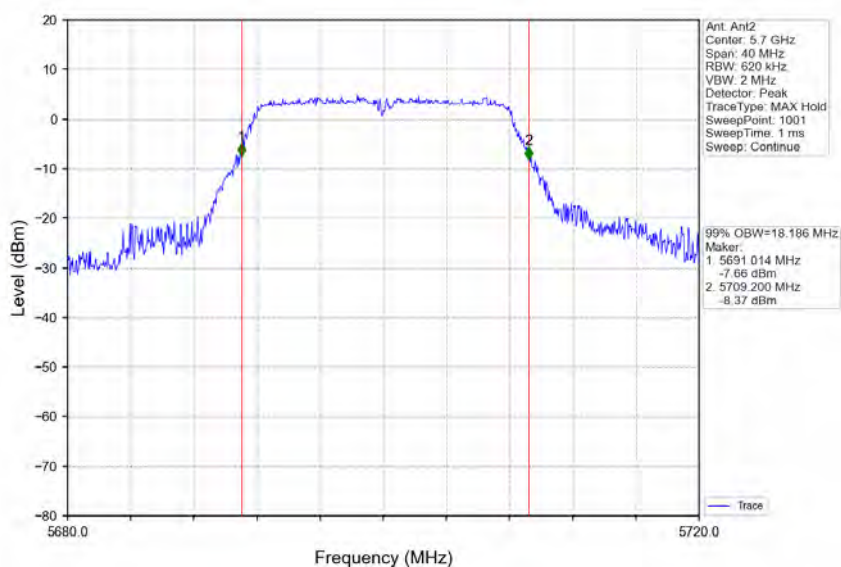
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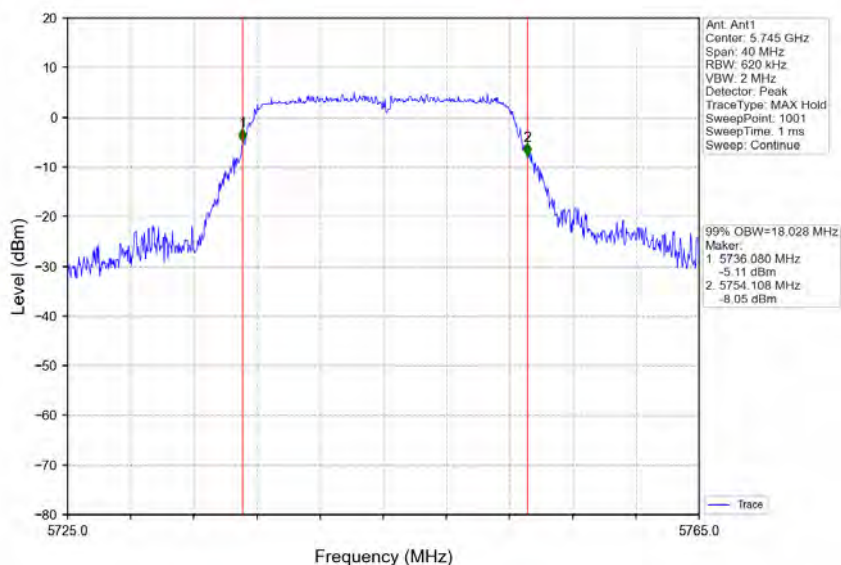
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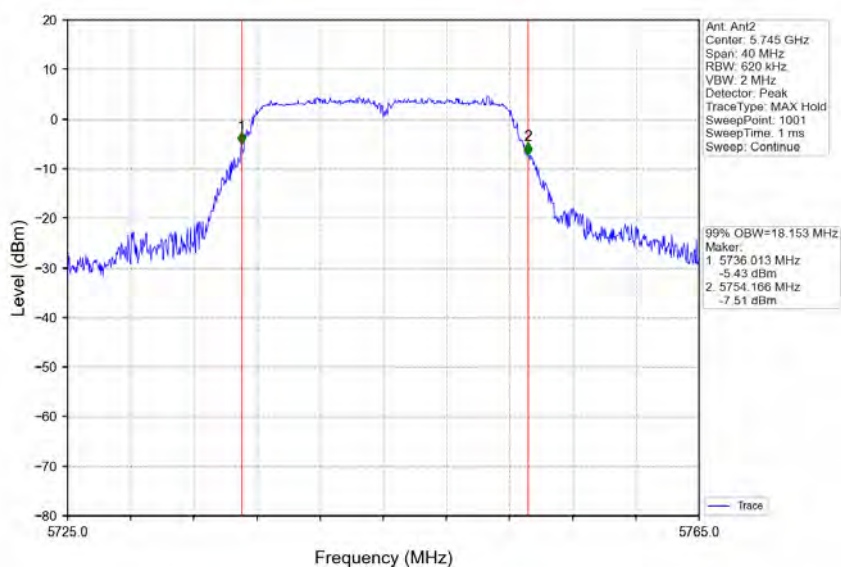
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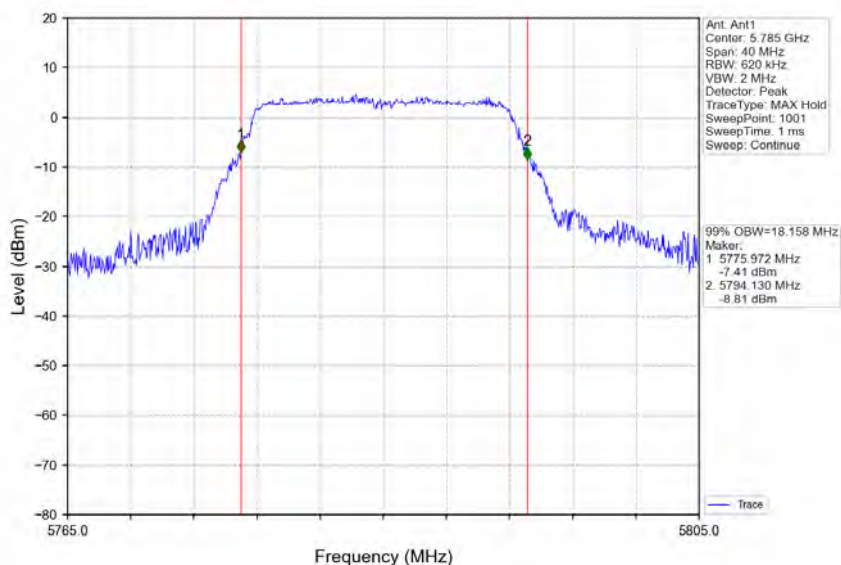
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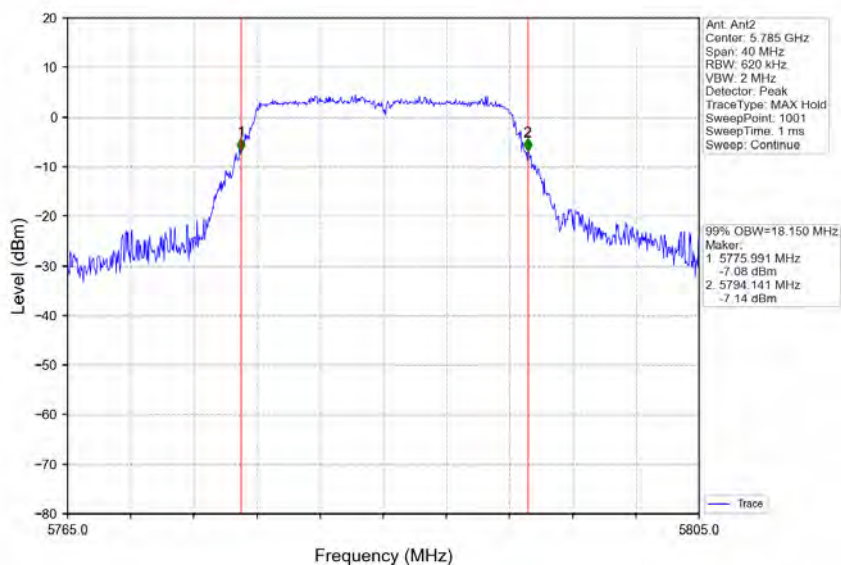
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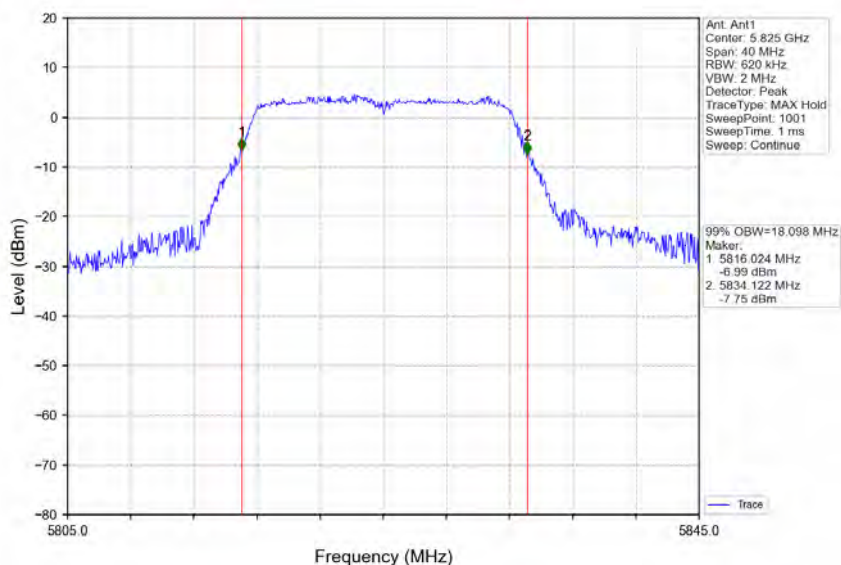
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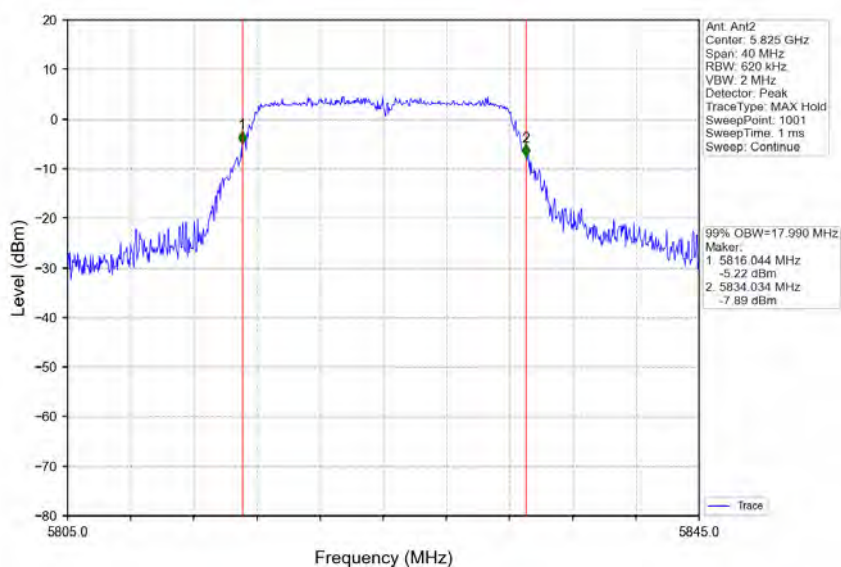
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802.11a_HCH_5825MHz_Ant2_NTNV



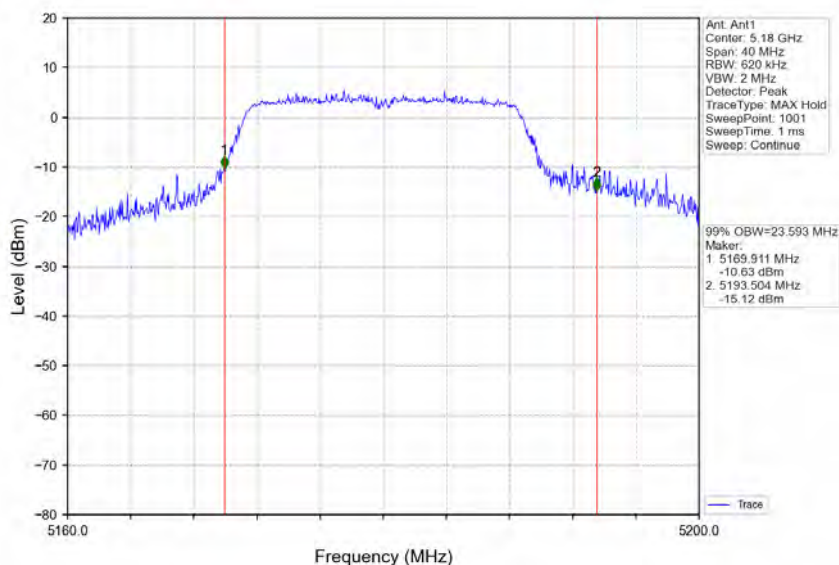
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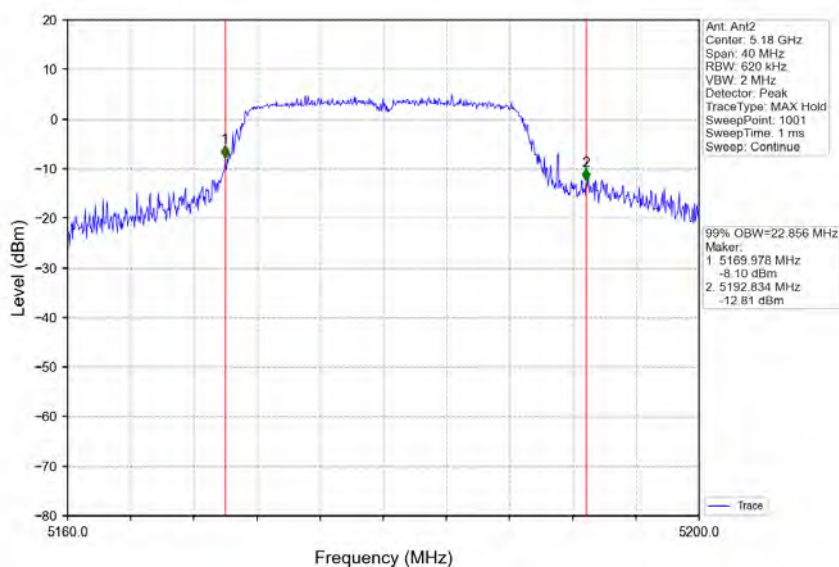
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802.11n(HT20) LCH 5180MHz Ant1 NTN



802.11n(HT20) LCH 5180MHz Ant2 NTN



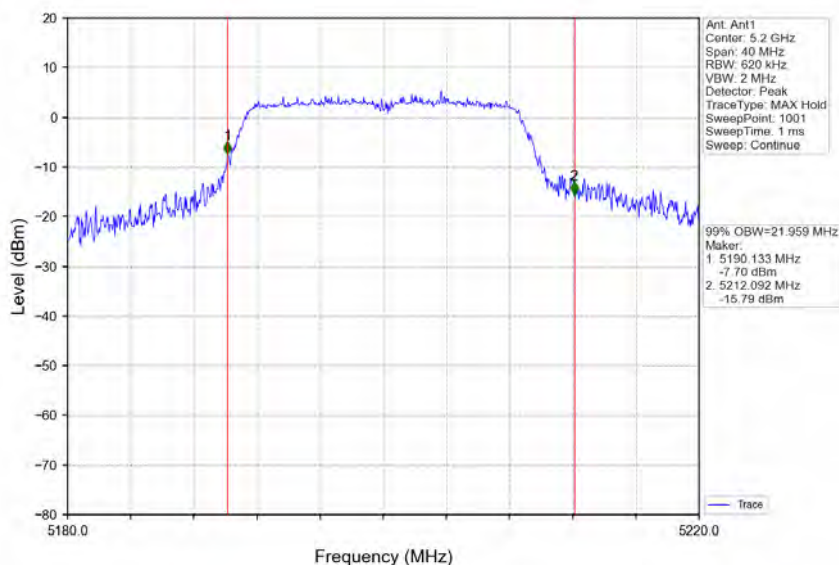
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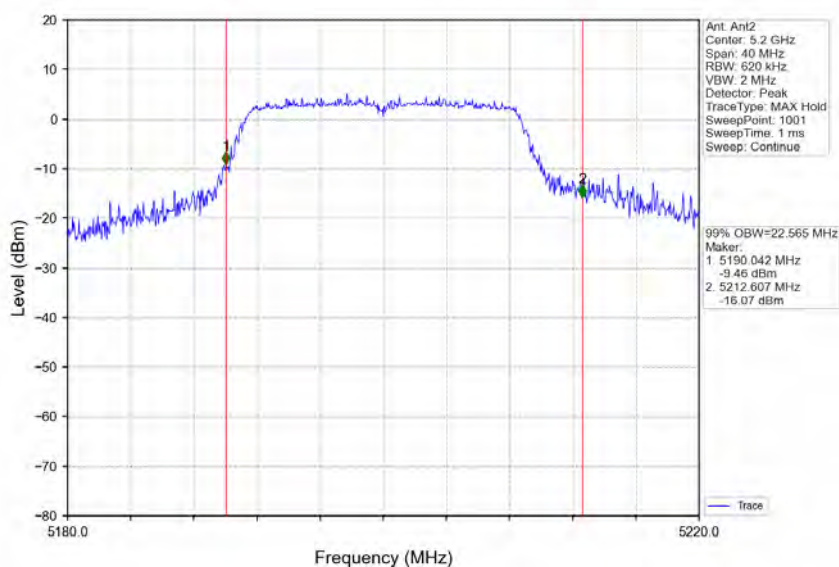
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t(86-21)61915666 f(86-21)61915678 e.sgs.china@sgs.com

802.11n(HT20) MCH 5200MHz Ant1 NTV



802.11n(HT20) MCH 5200MHz Ant2 NTV



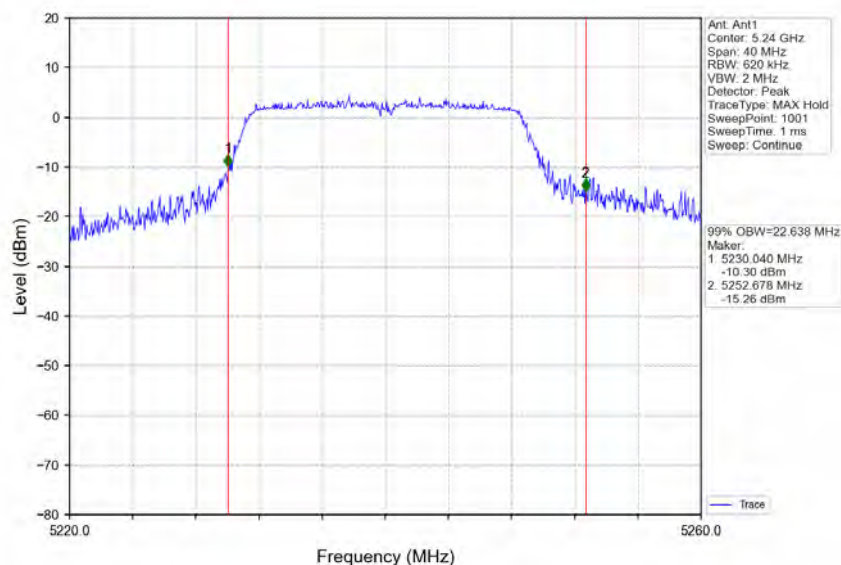
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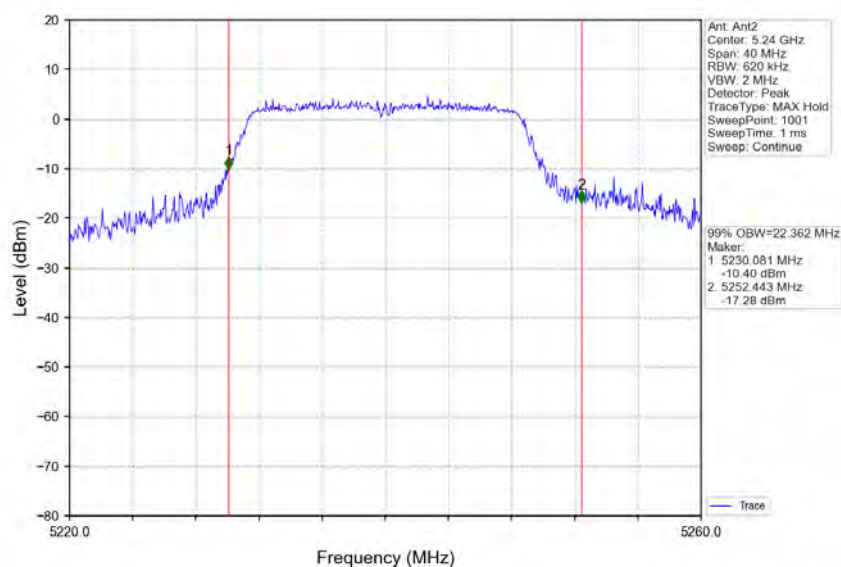
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802.11n(HT20) HCH 5240MHz Ant1 NTN



802.11n(HT20) HCH 5240MHz Ant2 NTN



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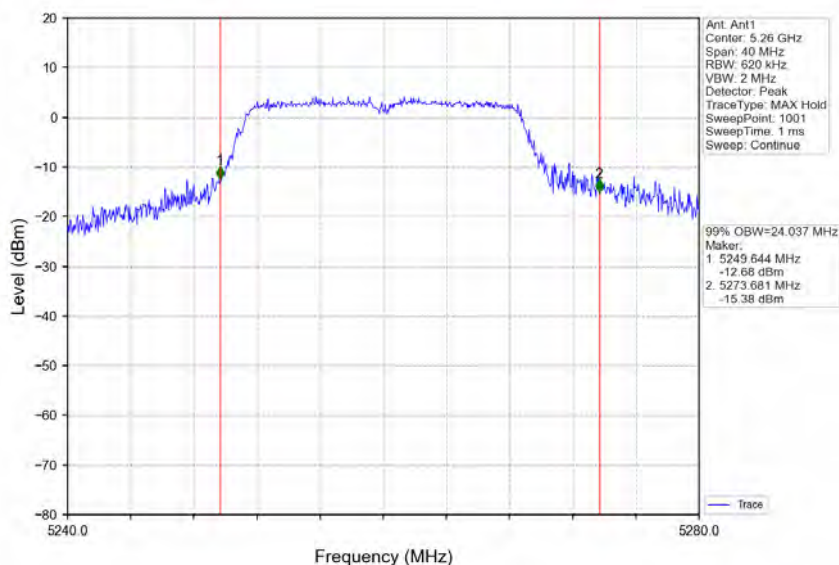
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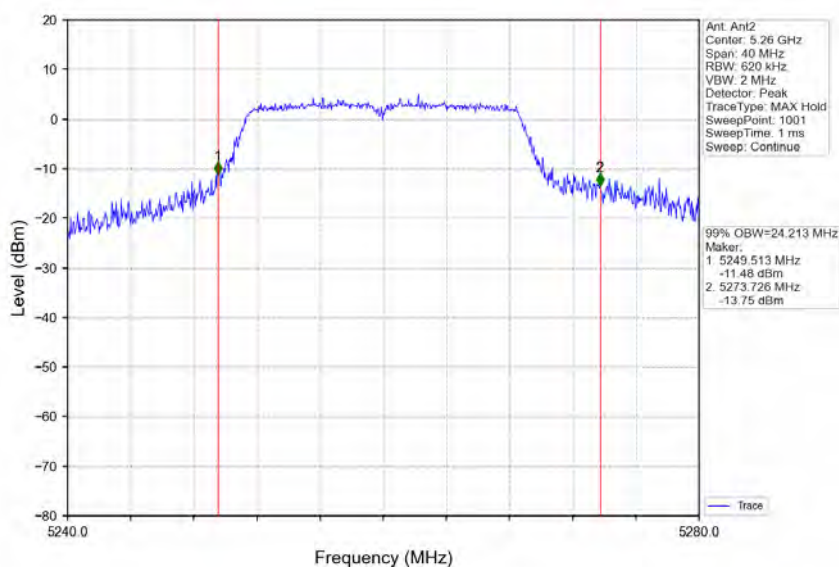
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802.11n(HT20) LCH 5260MHz Ant1 NTN



802.11n(HT20) LCH 5260MHz Ant2 NTN



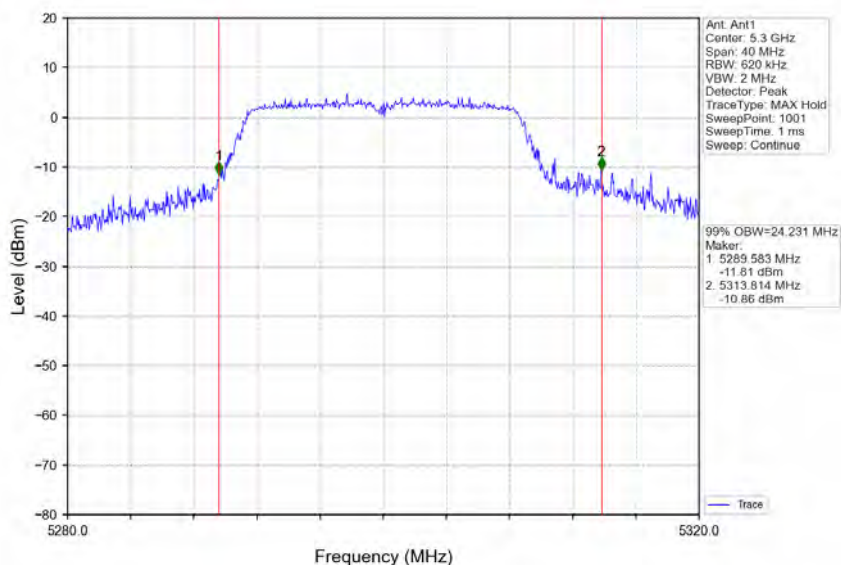
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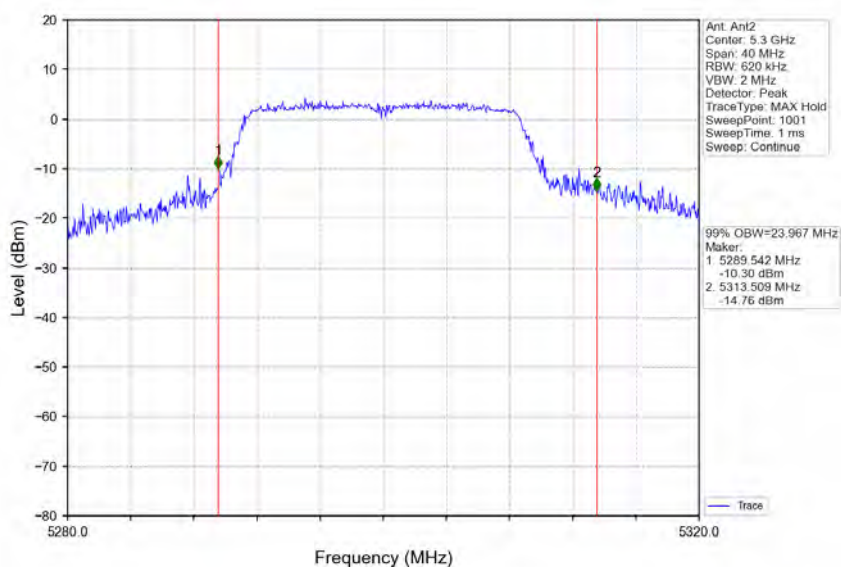
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802.11n(HT20) MCH 5300MHz Ant1 NTN



802.11n(HT20) MCH 5300MHz Ant2 NTN



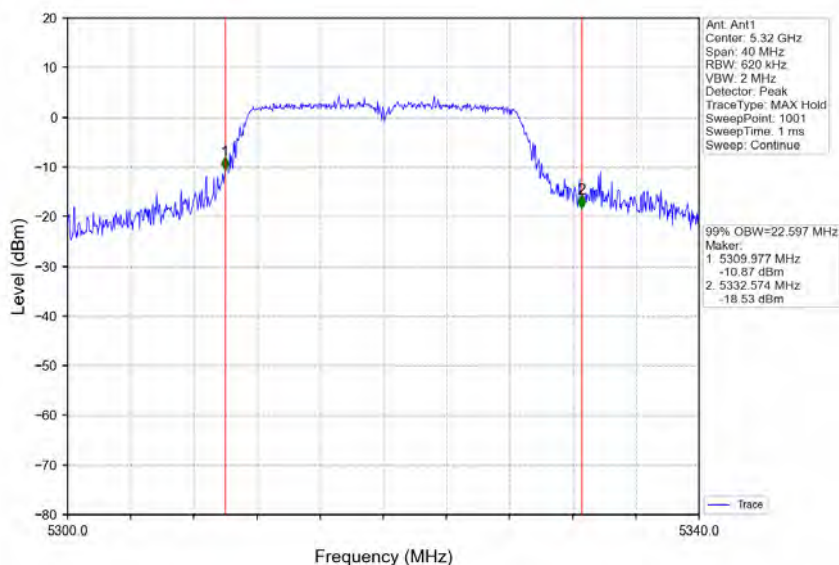
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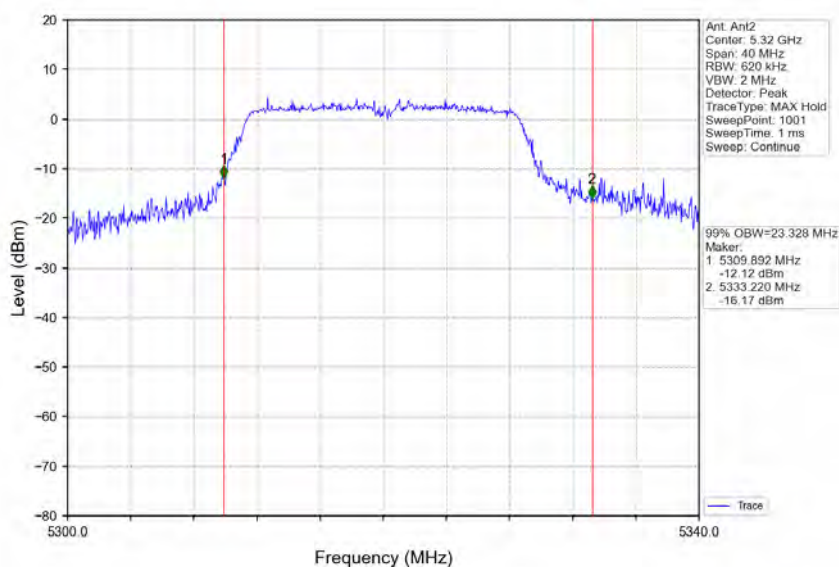
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802.11n(HT20) HCH 5320MHz Ant1 NTN



802.11n(HT20) HCH 5320MHz Ant2 NTN



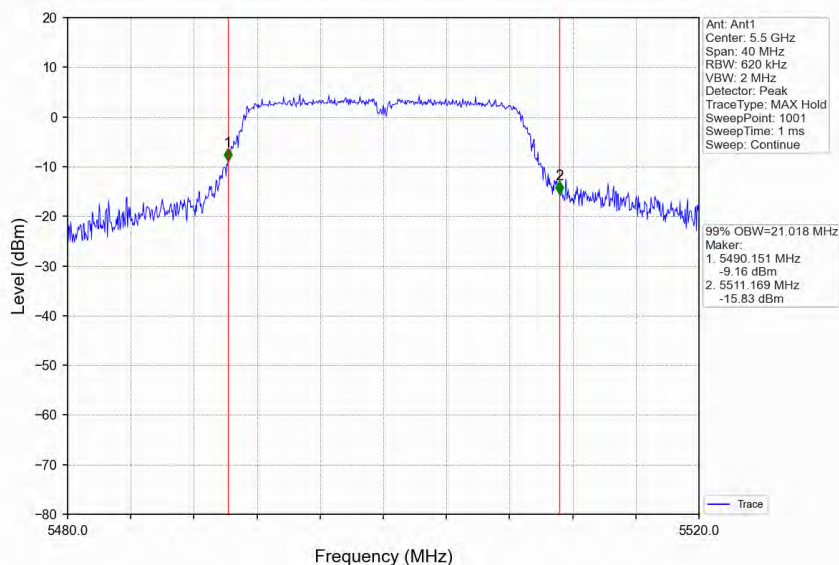
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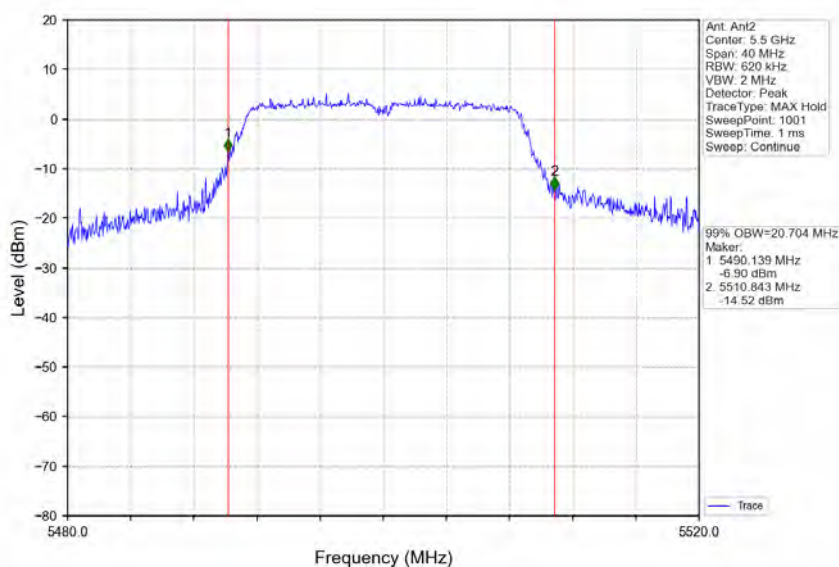
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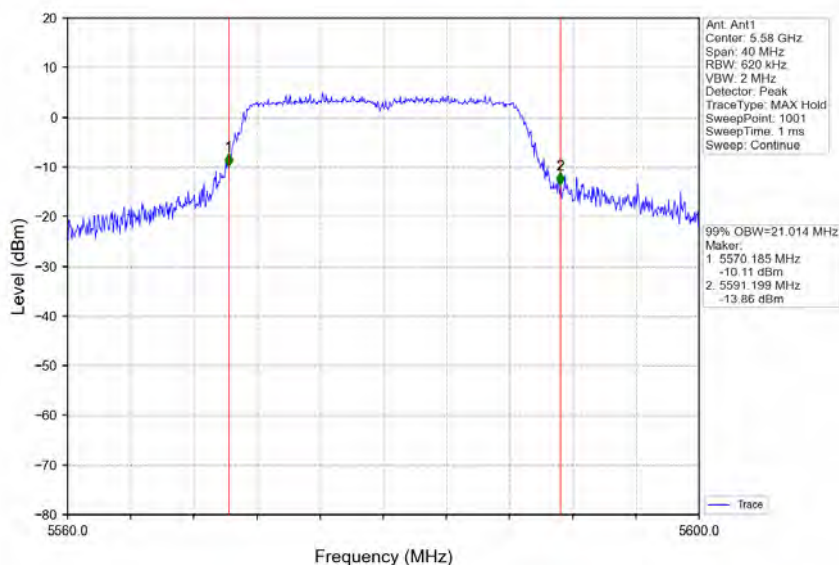
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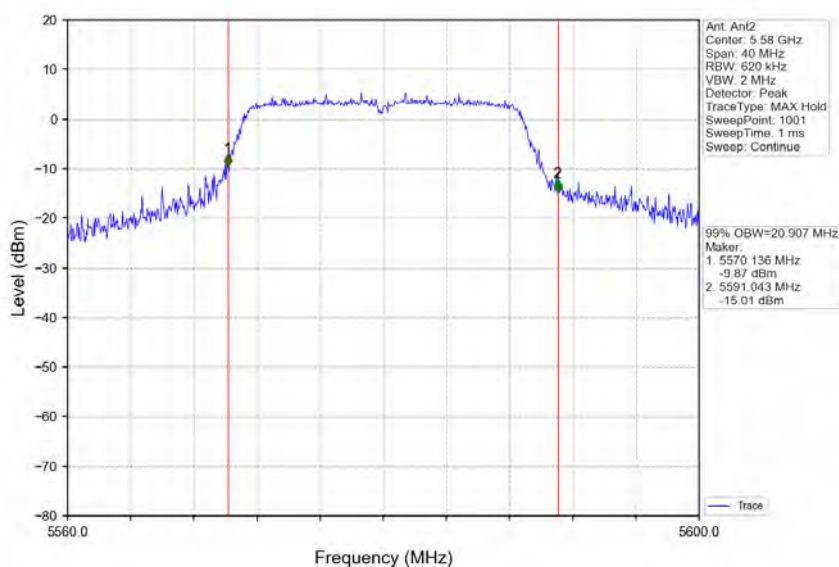
802.11n(HT20) LCH 5500MHz Ant2 NTN



802.11n(HT20) MCH 5580MHz Ant1 NTN



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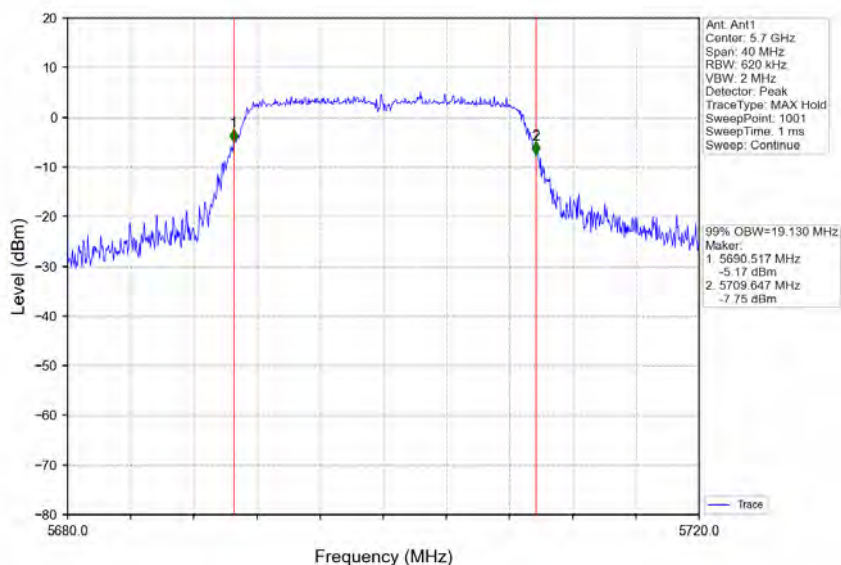
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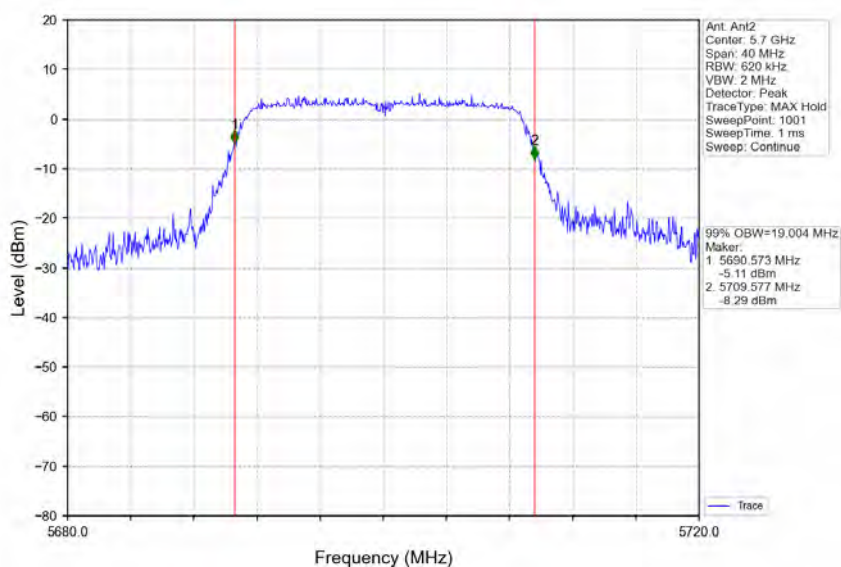
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802.11n(HT20) HCH 5700MHz Ant1 NTN



802.11n(HT20) HCH 5700MHz Ant2 NTN



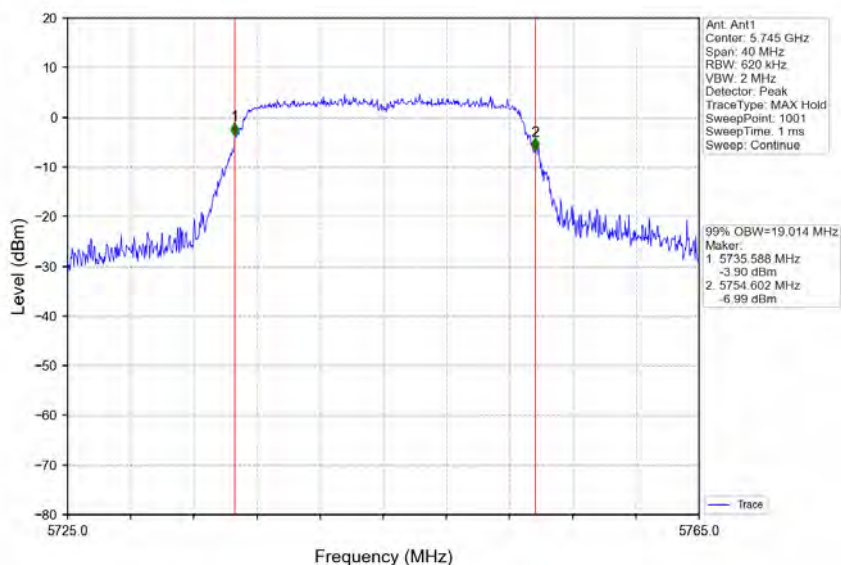
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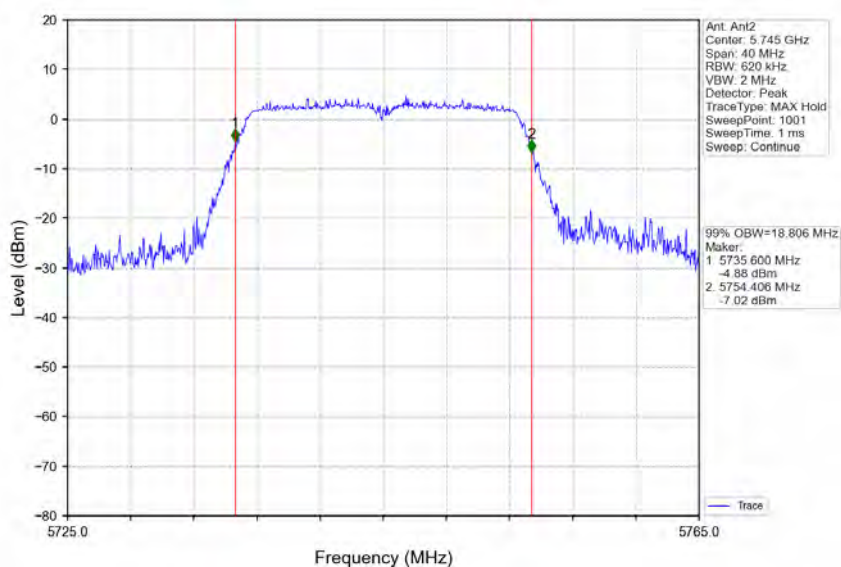
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802.11n(HT20) LCH 5745MHz Ant1 NTN



802.11n(HT20) LCH 5745MHz Ant2 NTN



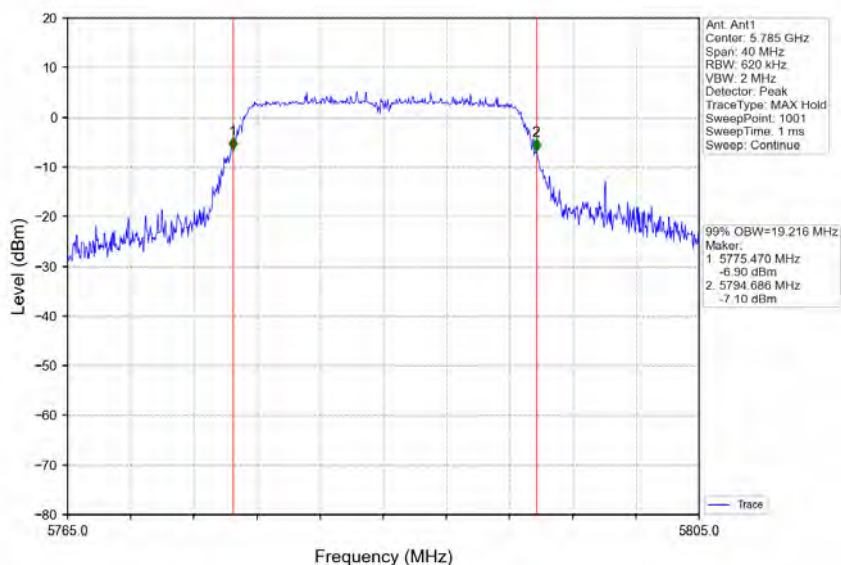
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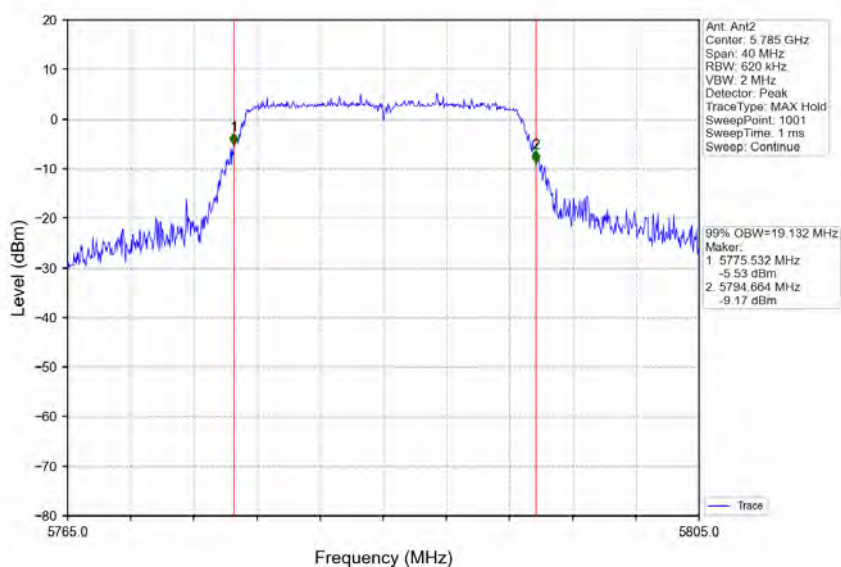
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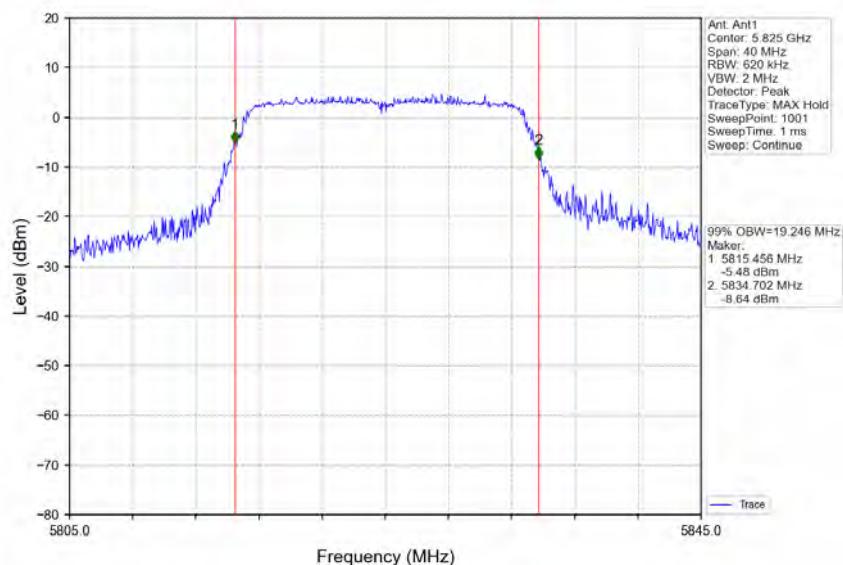
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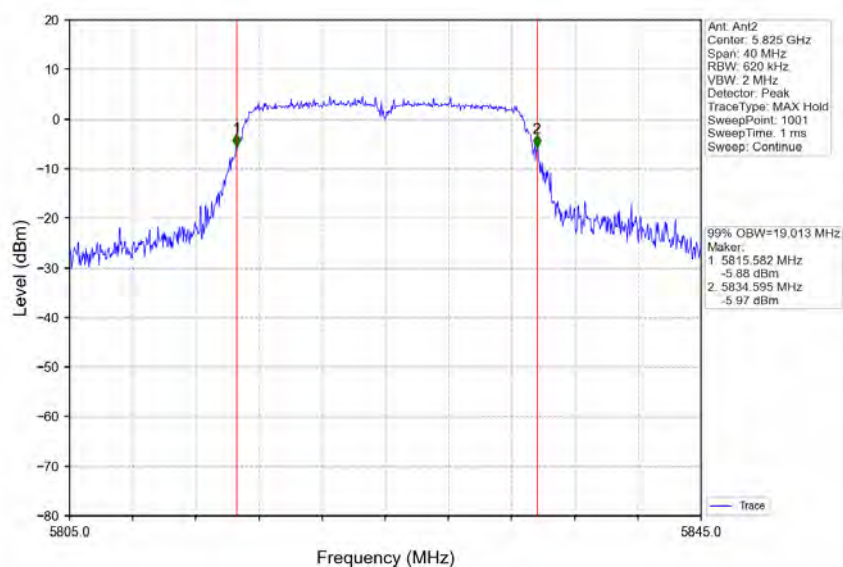
802.11n(HT20) MCH 5785MHz Ant2 NTN



802.11n(HT20) HCH 5825MHz Ant1 NTN



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2.2 6dB BW

2.2.1 Test Result

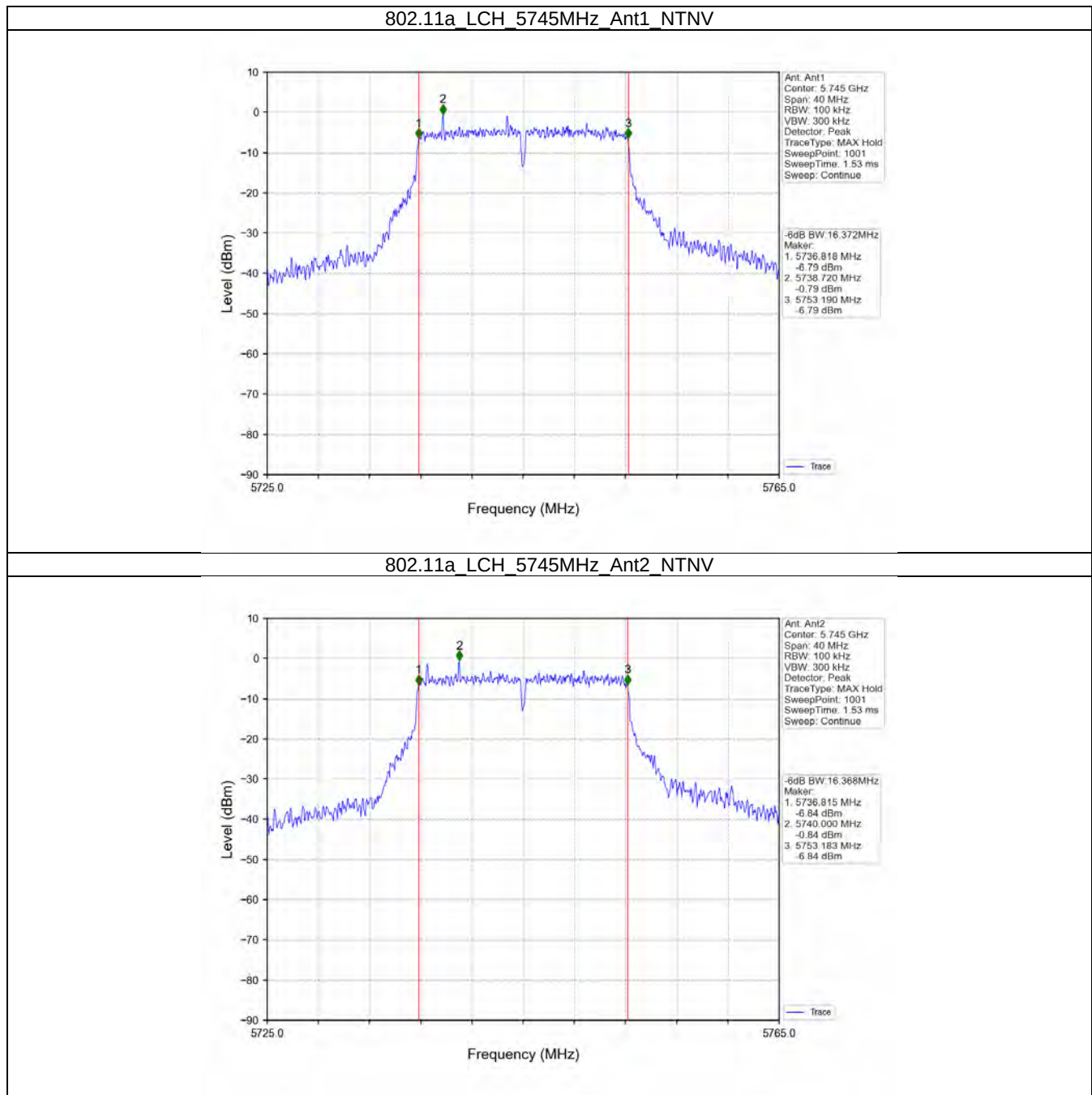
Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.372	≥ 0.5	Pass
			2	16.368	≥ 0.5	Pass
		5785	1	16.386	≥ 0.5	Pass
			2	16.363	≥ 0.5	Pass
		5825	1	16.377	≥ 0.5	Pass
			2	16.362	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	17.606	≥ 0.5	Pass
			2	17.619	≥ 0.5	Pass
		5785	1	17.590	≥ 0.5	Pass
			2	17.598	≥ 0.5	Pass
		5825	1	17.545	≥ 0.5	Pass
			2	17.570	≥ 0.5	Pass



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2.2.2 Test Graph



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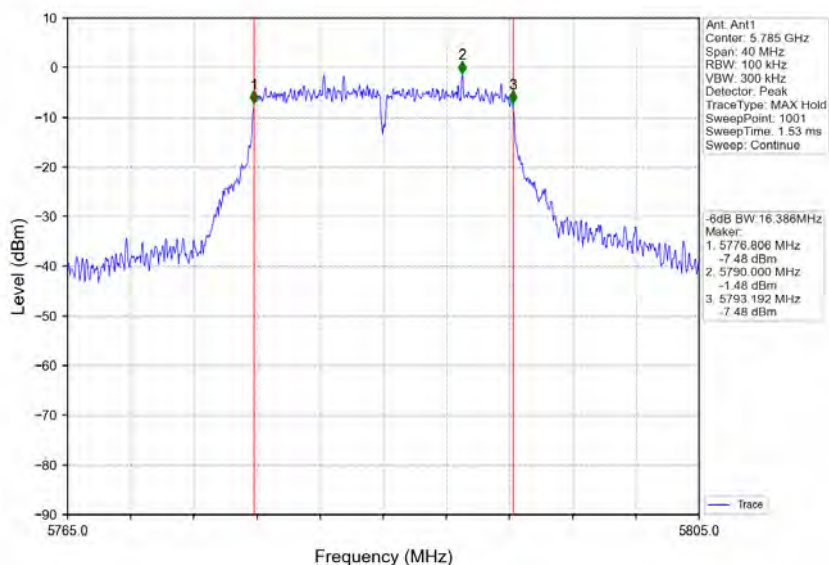
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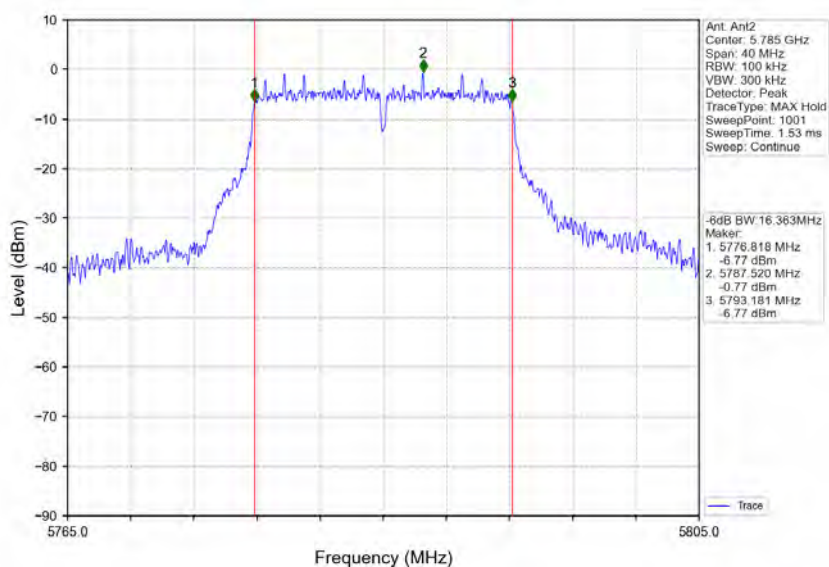
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802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_MCH_5785MHz_Ant2_NTNV



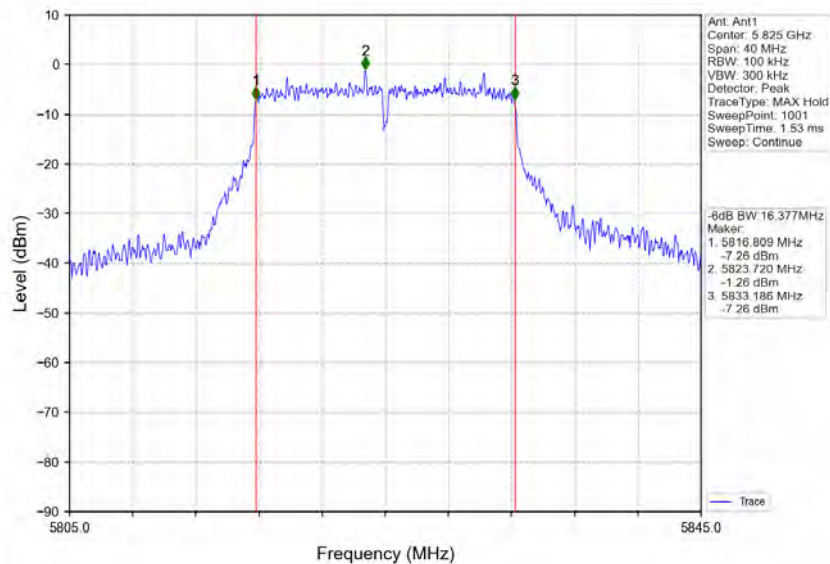
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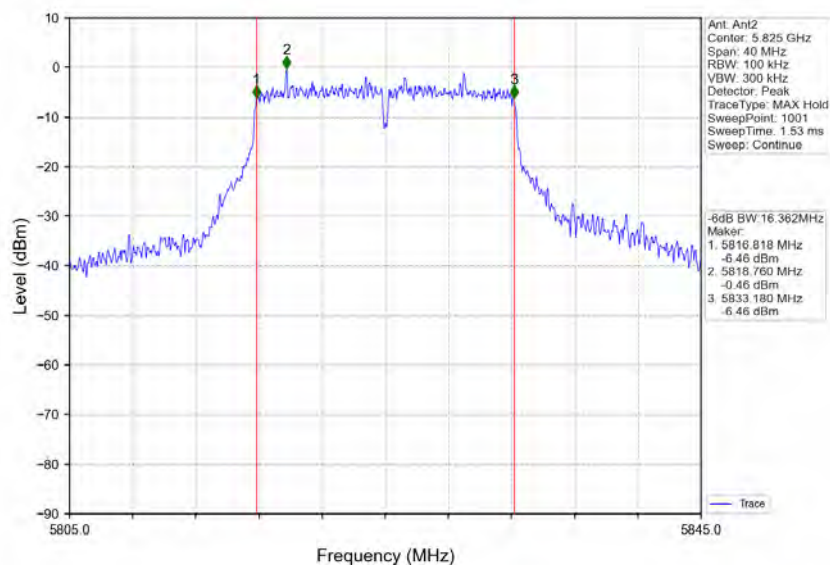
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802.11a_HCH_5825MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant2_NTNV



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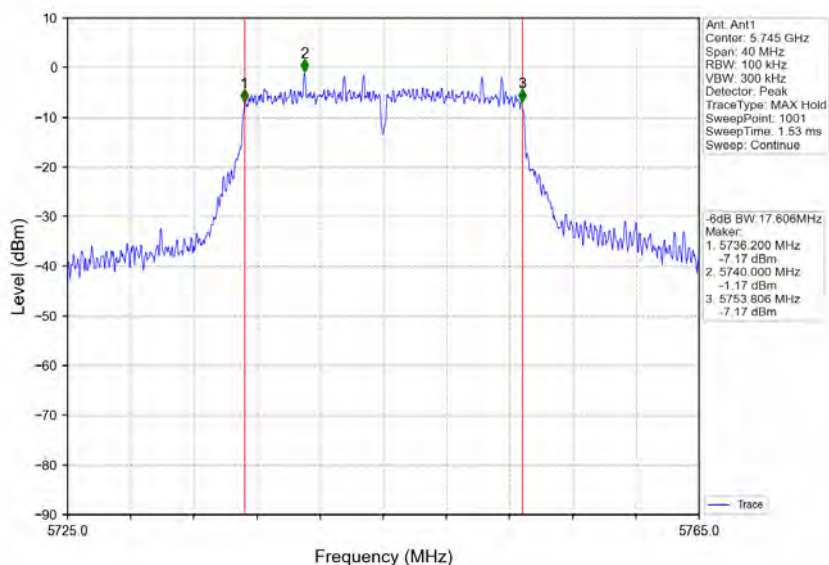
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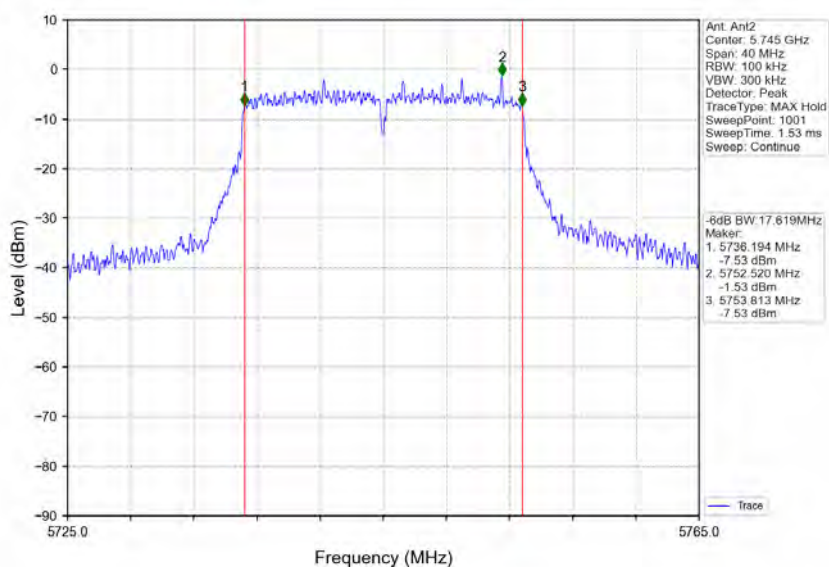
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802.11n(HT20) LCH 5745MHz Ant1 NTN



802.11n(HT20) LCH 5745MHz Ant2 NTN



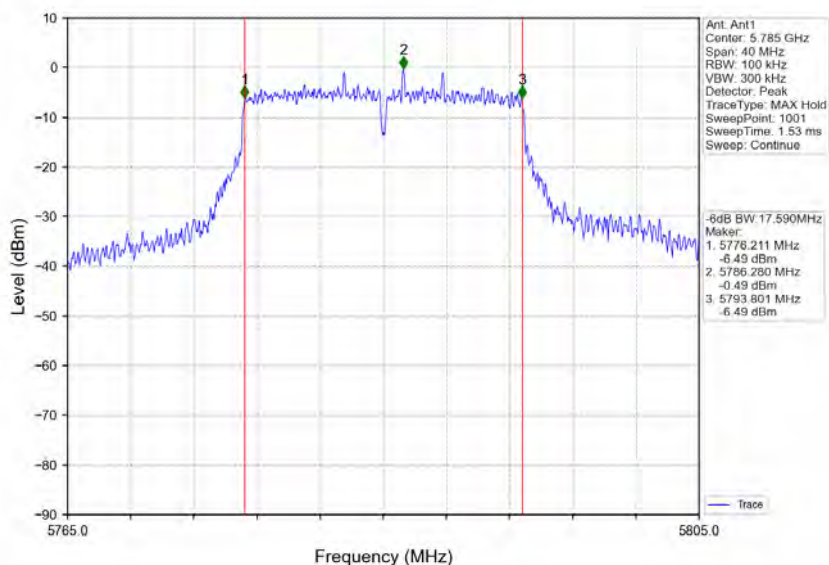
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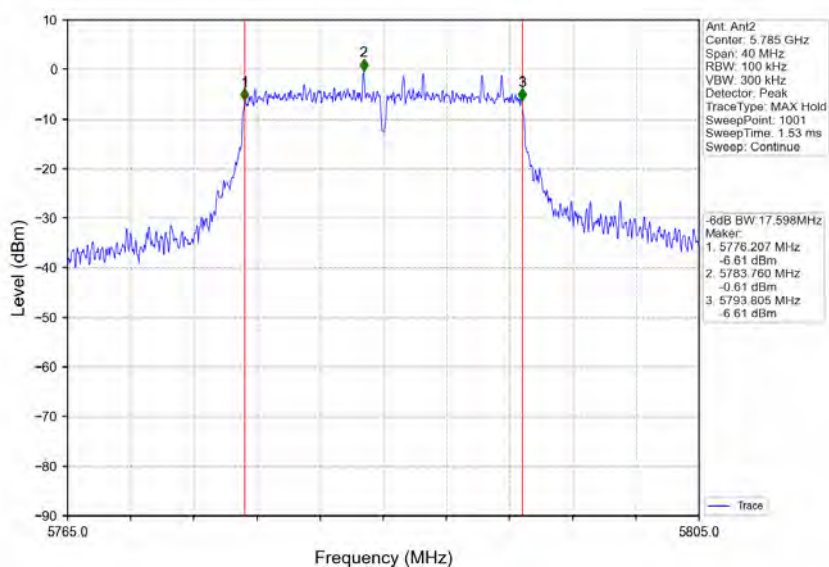
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802.11n(HT20) MCH 5785MHz Ant1 NTN



802.11n(HT20) MCH 5785MHz Ant2 NTN



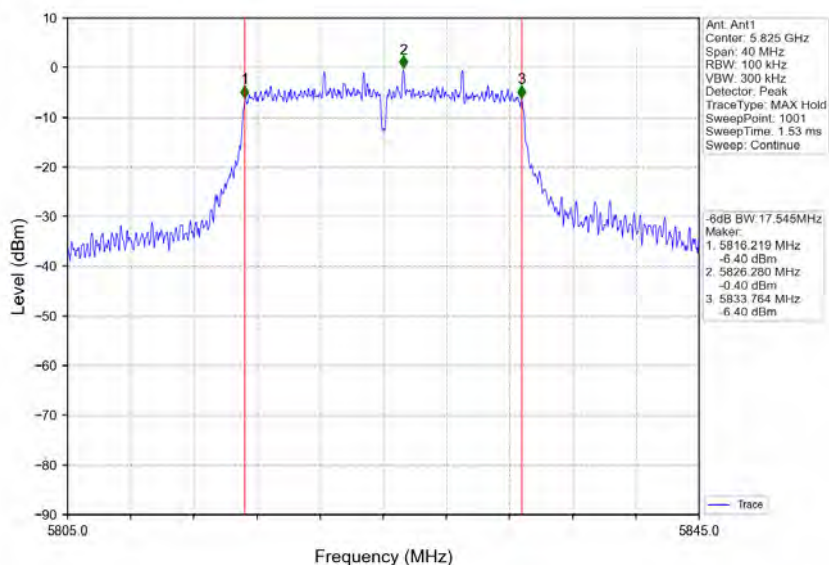
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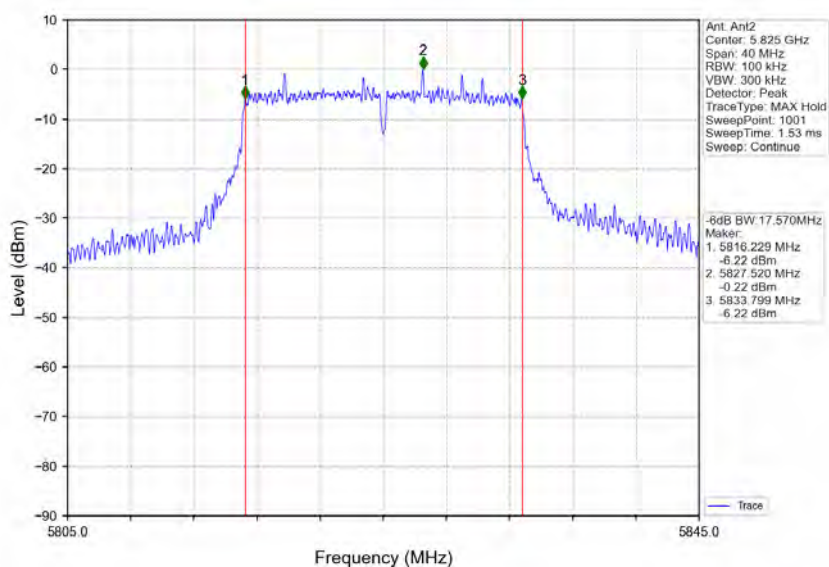
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802.11n(HT20) HCH 5825MHz Ant2 NTN



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2.3 26dB BW

2.3.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	26dB Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	36.937	Pass
			2	37.299	Pass
		5200	1	36.894	Pass
			2	36.953	Pass
		5240	1	43.469	Pass
			2	43.116	Pass
		5260	1	43.034	Pass
			2	42.963	Pass
		5300	1	43.187	Pass
			2	43.614	Pass
		5320	1	44.044	Pass
			2	43.610	Pass
		5500	1	39.131	Pass
			2	38.848	Pass
		5580	1	37.409	Pass
			2	37.609	Pass
802.11n (HT20)	SISO	5180	1	29.533	Pass
			2	29.861	Pass
		5200	1	44.081	Pass
			2	42.796	Pass
		5240	1	42.686	Pass
			2	43.517	Pass
		5260	1	40.820	Pass
			2	44.555	Pass
		5300	1	42.768	Pass
			2	42.923	Pass
		5320	1	46.420	Pass
			2	47.888	Pass
		5500	1	47.263	Pass
			2	46.301	Pass
		5580	1	43.162	Pass
			2	39.399	Pass
		5700	1	41.716	Pass
			2	41.768	Pass
			1	33.291	Pass
			2	33.303	Pass



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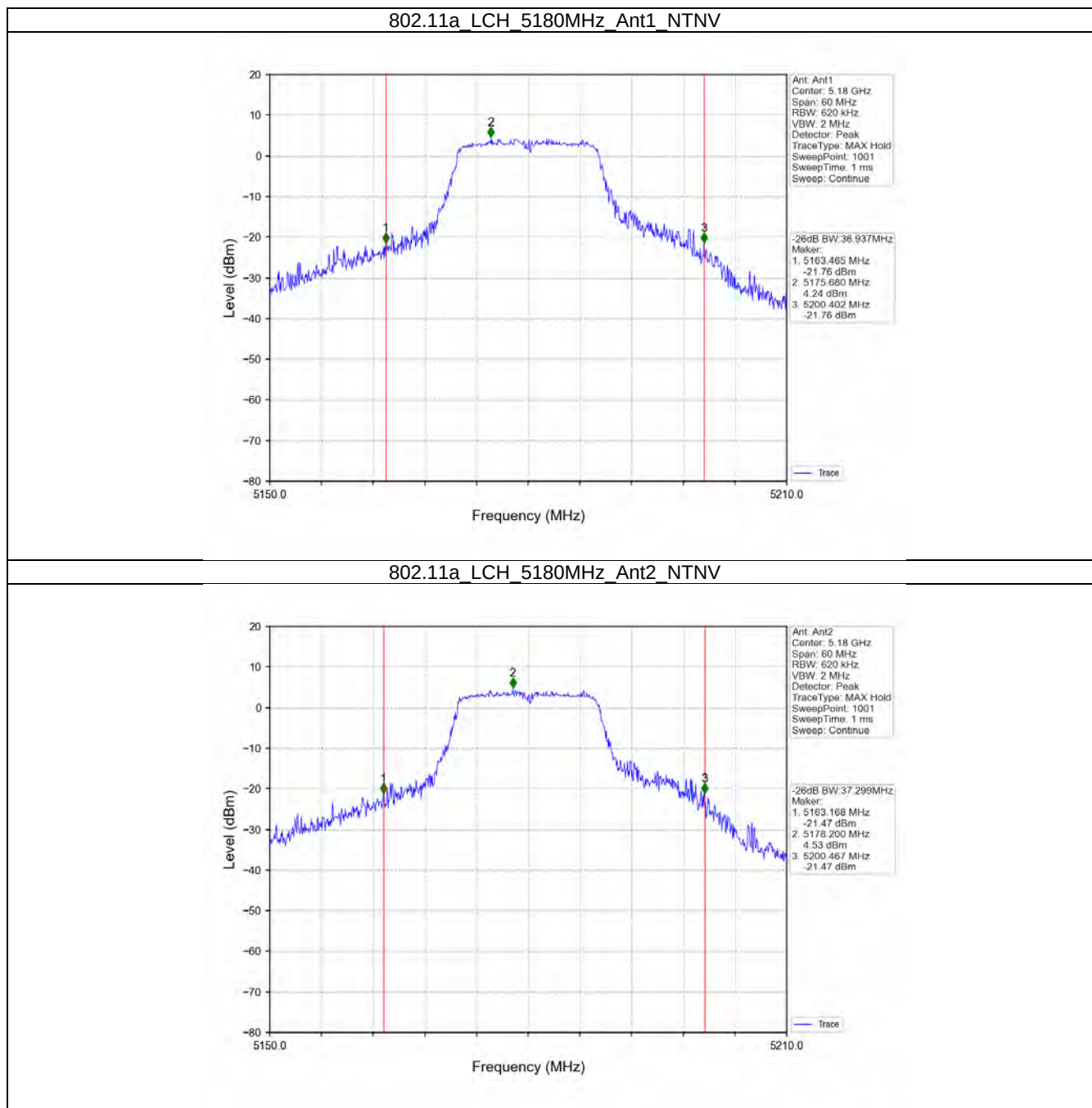
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2.3.2 Test Graph



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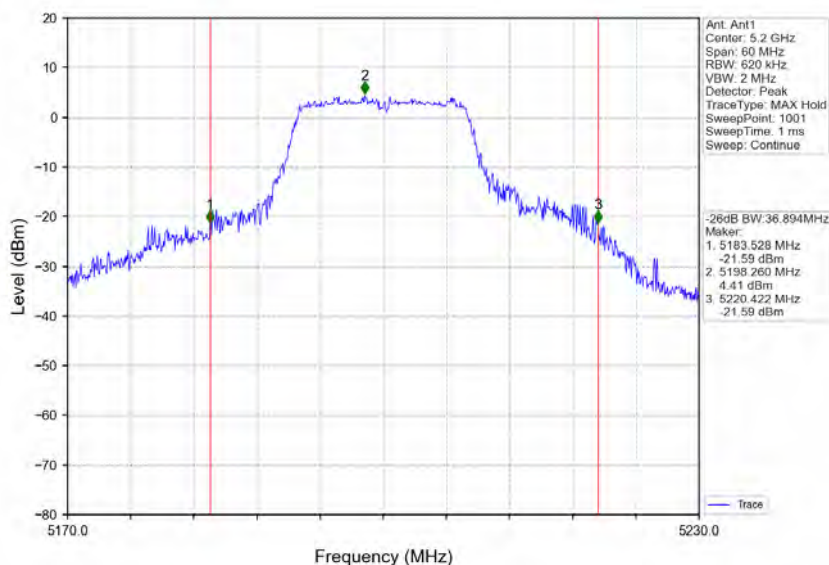
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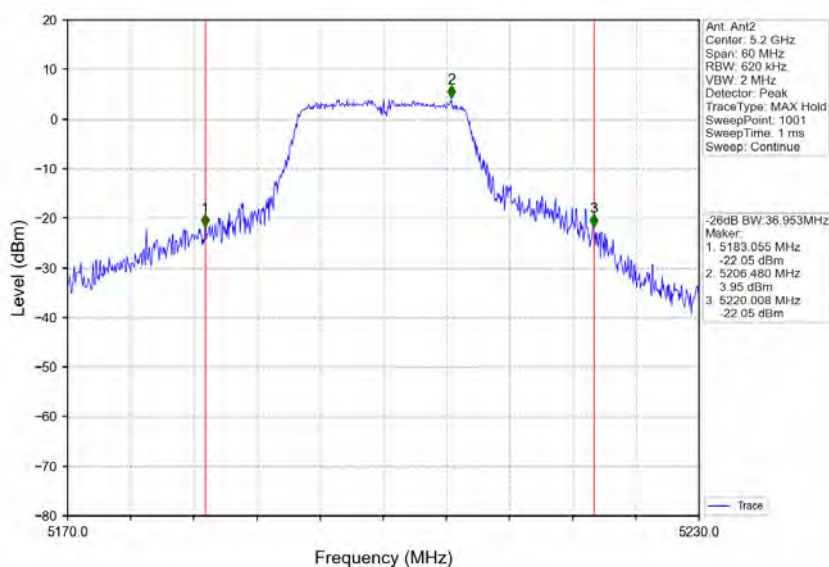
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802.11a MCH 5200MHz Ant1 NTN



802.11a MCH 5200MHz Ant2 NTN



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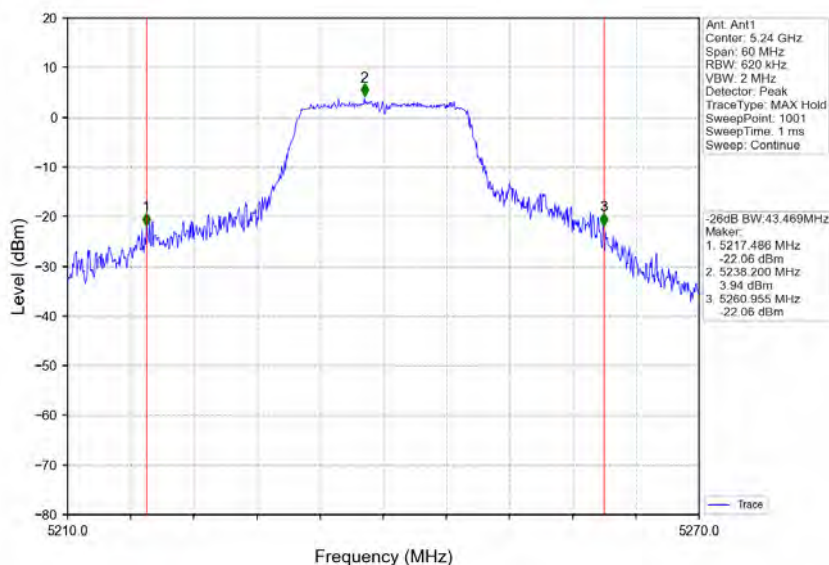
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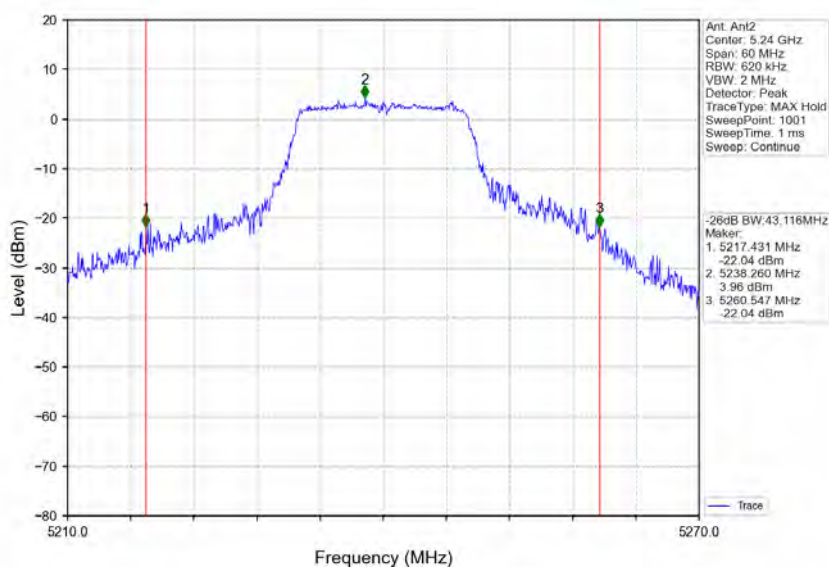
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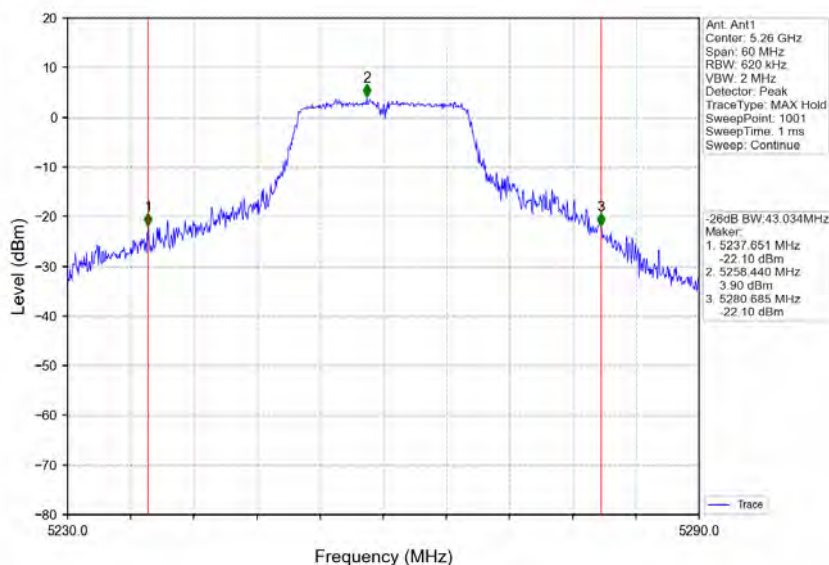
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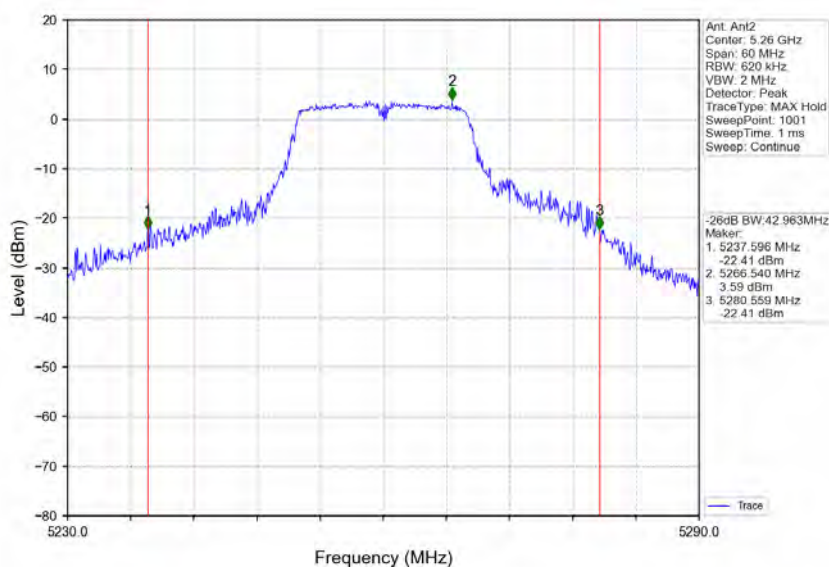
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802.11a LCH_5260MHz_Ant2_NTNV



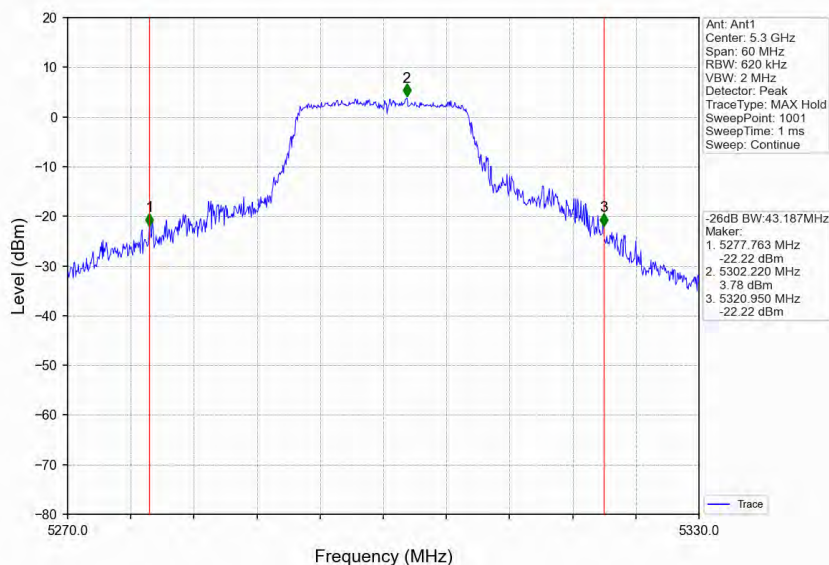
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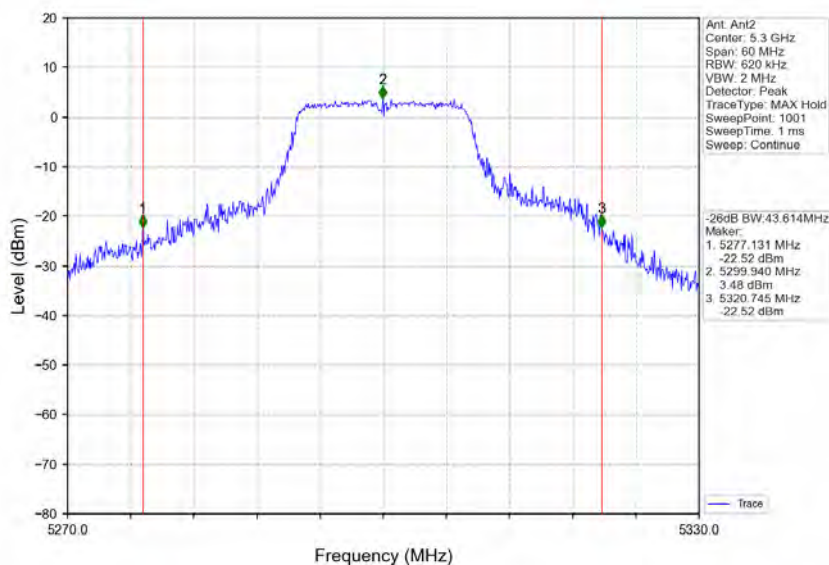
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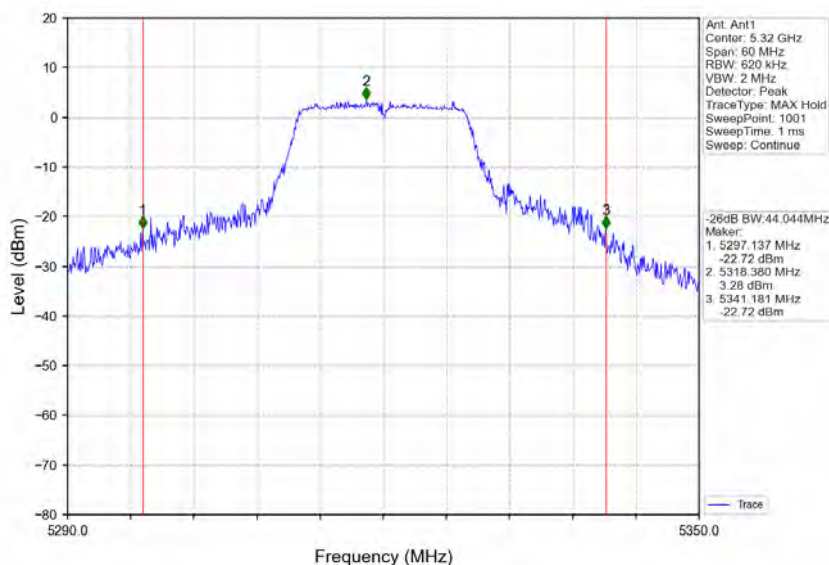
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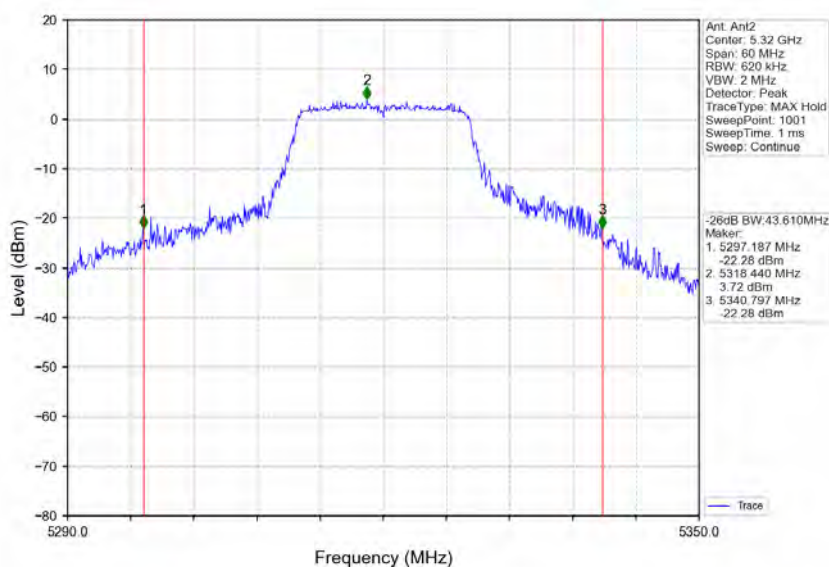
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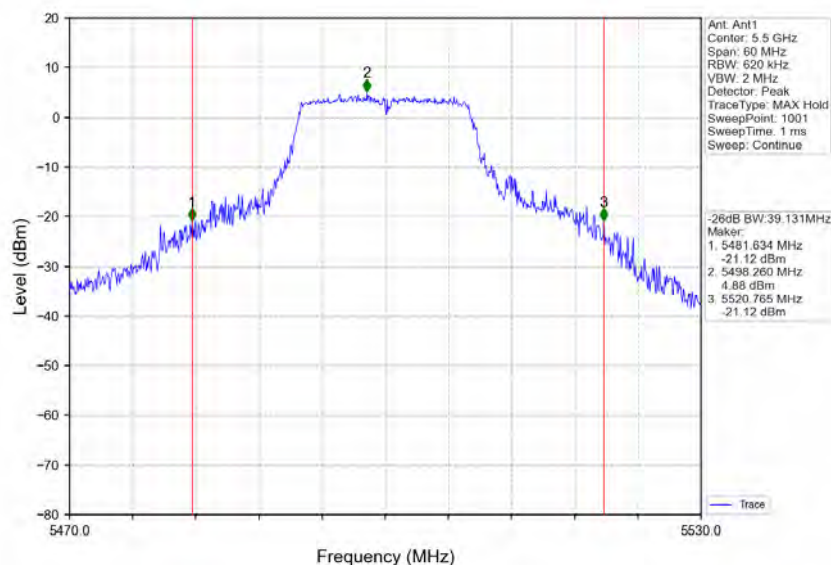
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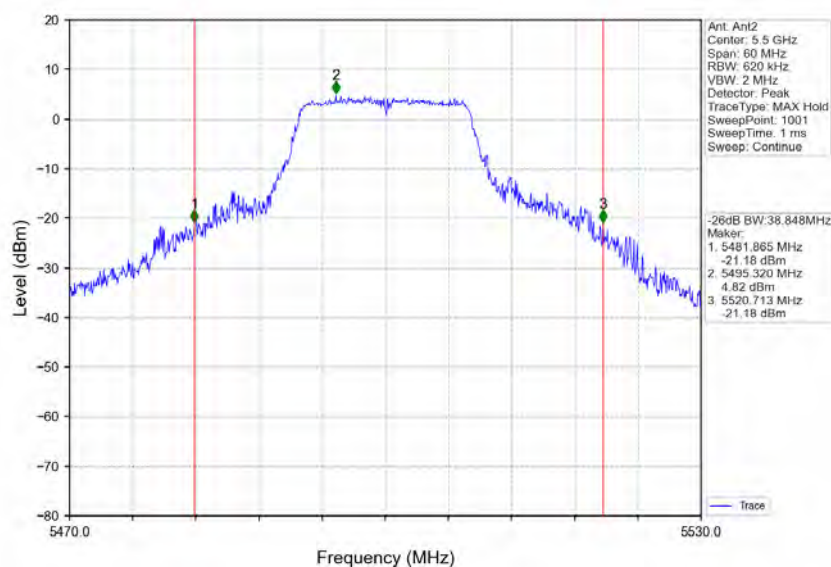
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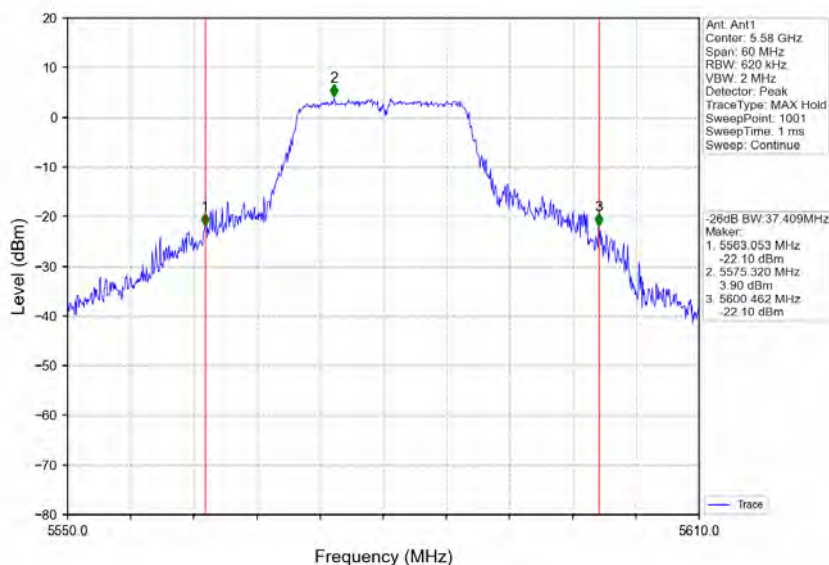
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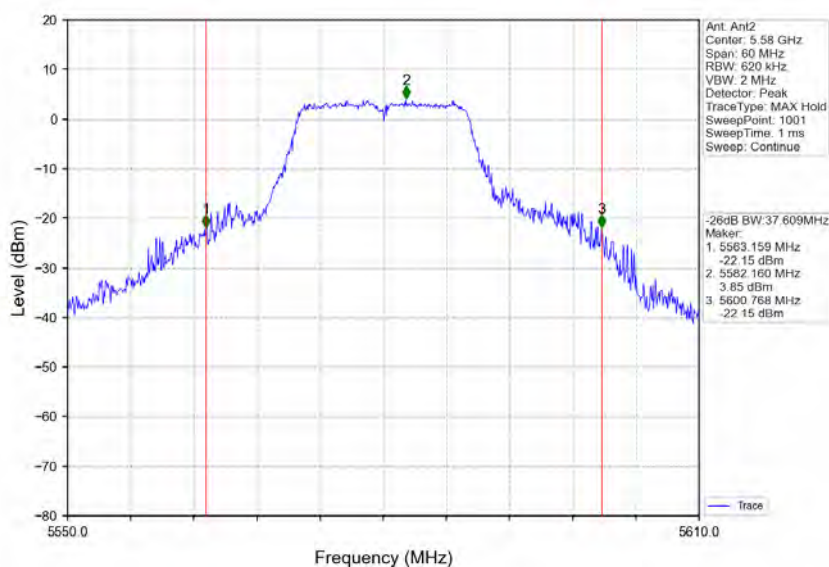
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802.11a MCH 5580MHz Ant1 NTN



802.11a MCH 5580MHz Ant2 NTN



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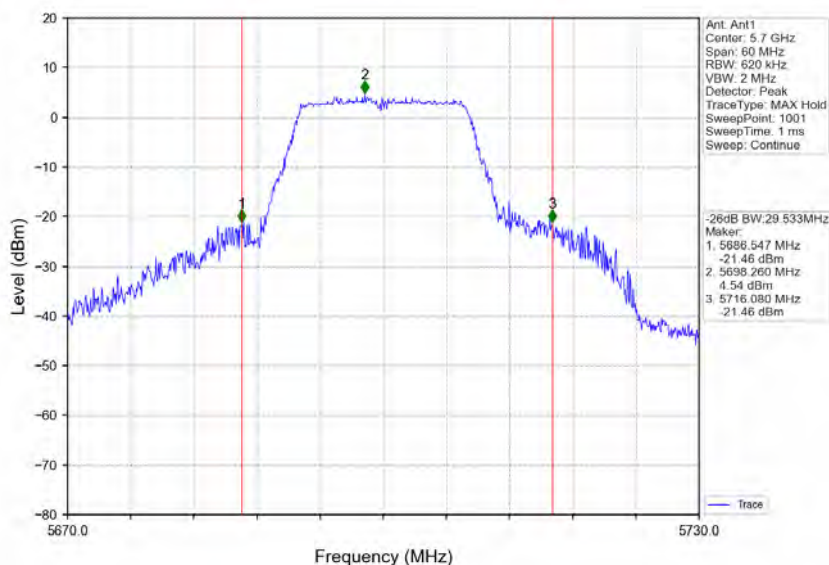
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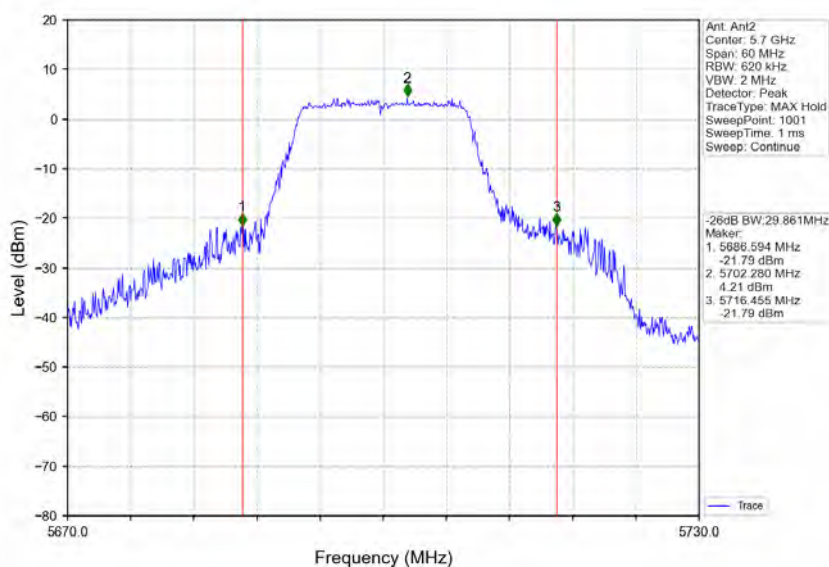
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802.11a_HCH_5700MHz_Ant1_NTNV



802.11a_HCH_5700MHz_Ant2_NTNV



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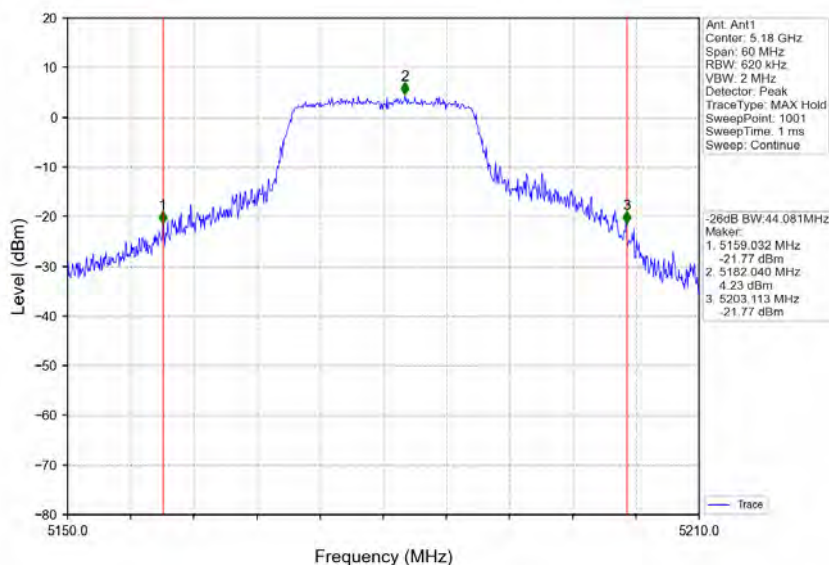
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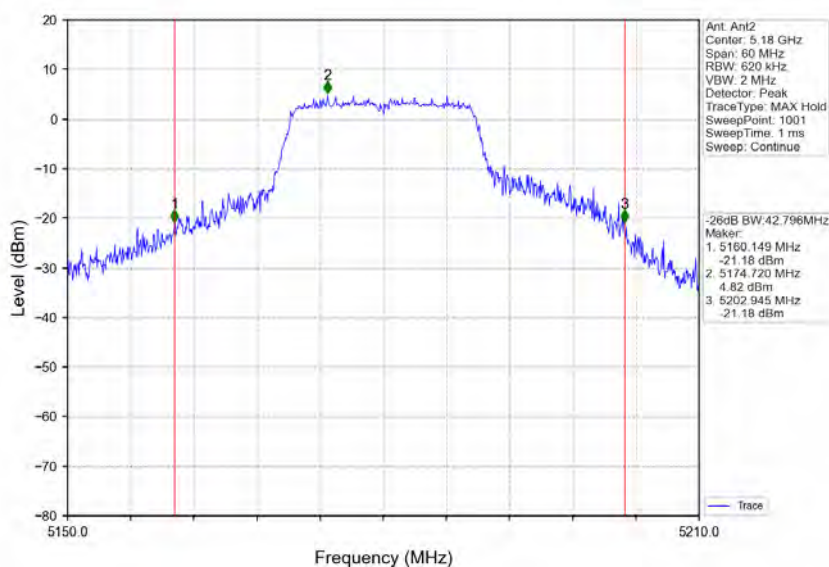
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802.11n(HT20) LCH 5180MHz Ant1 NTN



802.11n(HT20) LCH 5180MHz Ant2 NTN



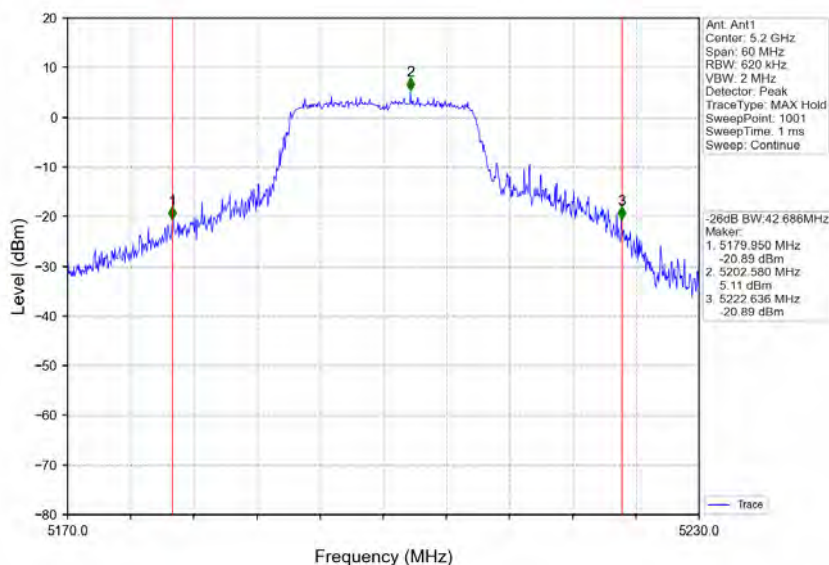
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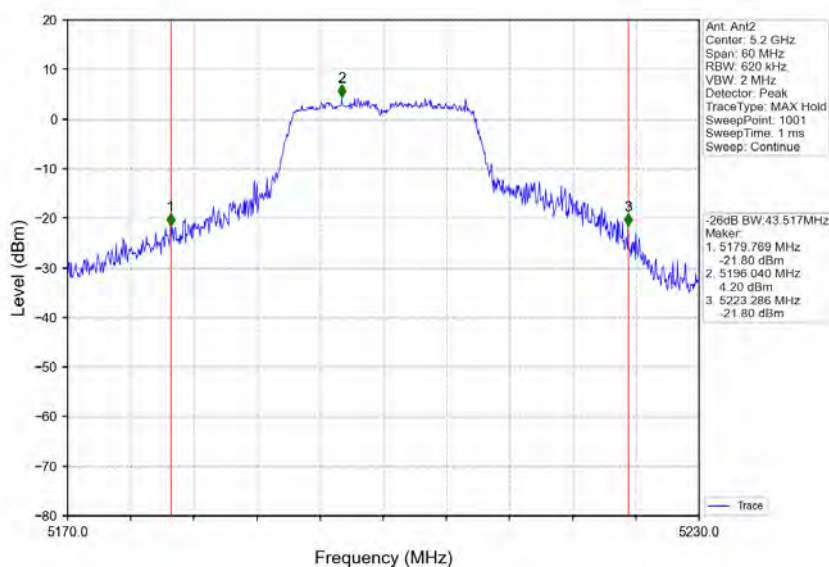
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802.11n(HT20) MCH 5200MHz Ant1 NTN



802.11n(HT20) MCH 5200MHz Ant2 NTN



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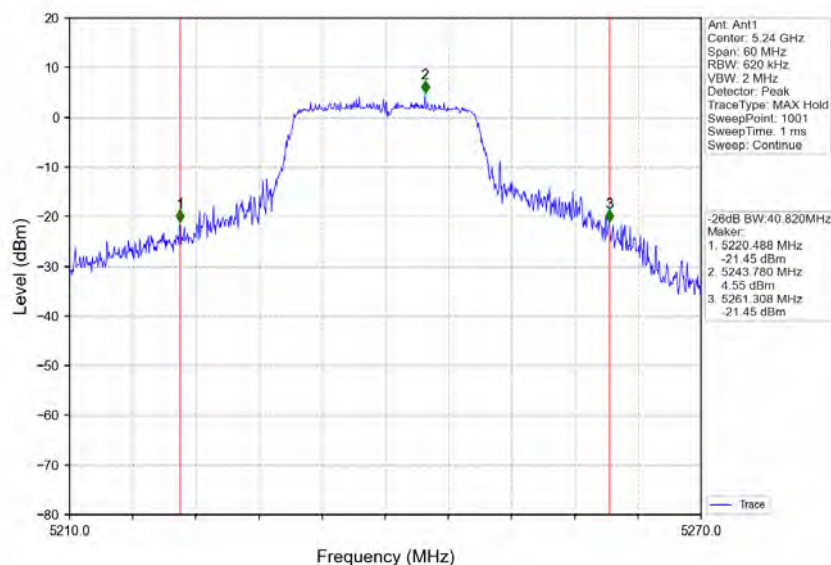
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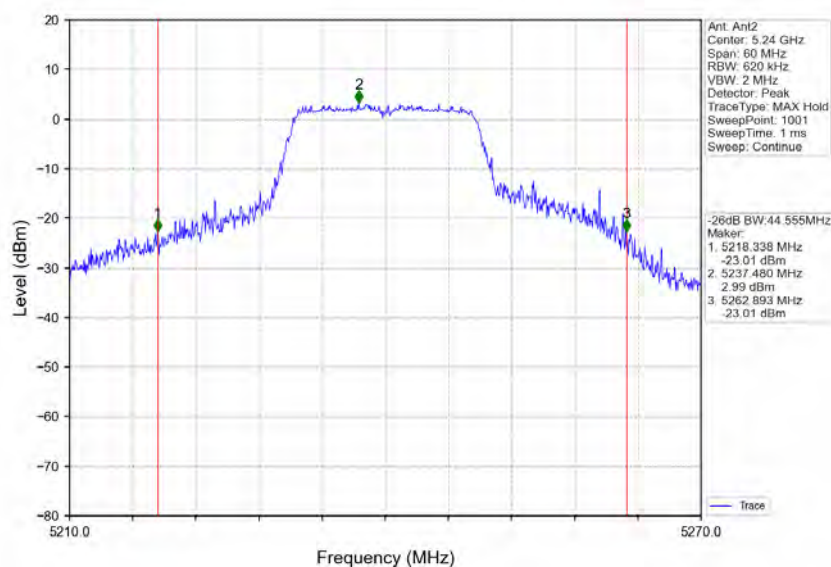
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802.11n(HT20) HCH 5240MHz Ant1 NTNV



802.11n(HT20) HCH 5240MHz Ant2 NTNV



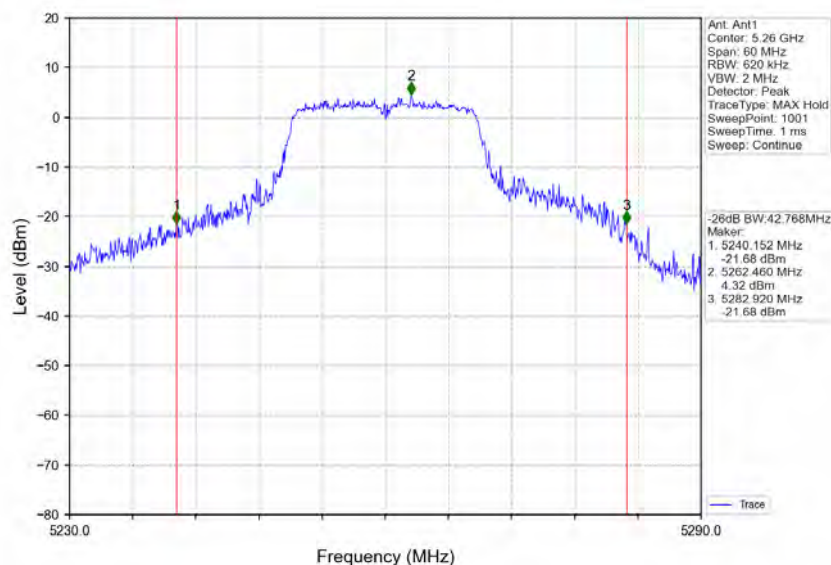
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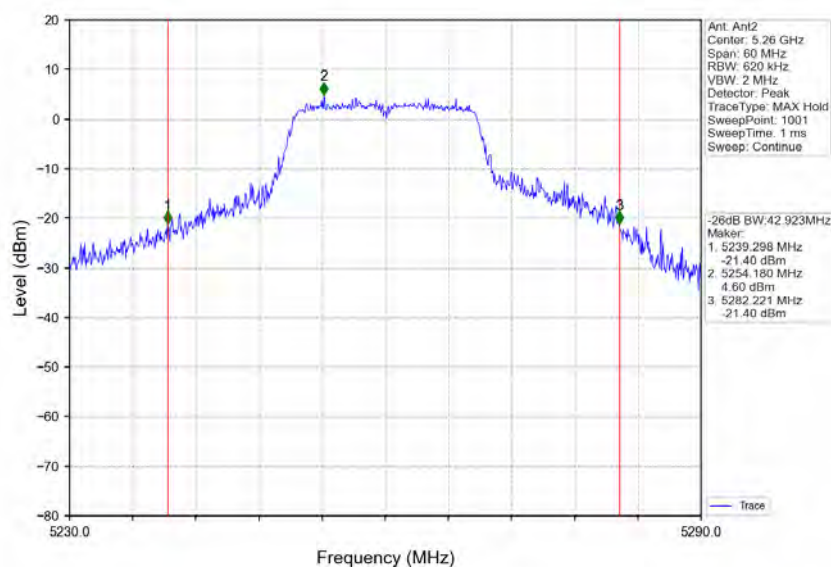
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802.11n(HT20) LCH 5260MHz Ant1 NTN



802.11n(HT20) LCH 5260MHz Ant2 NTN



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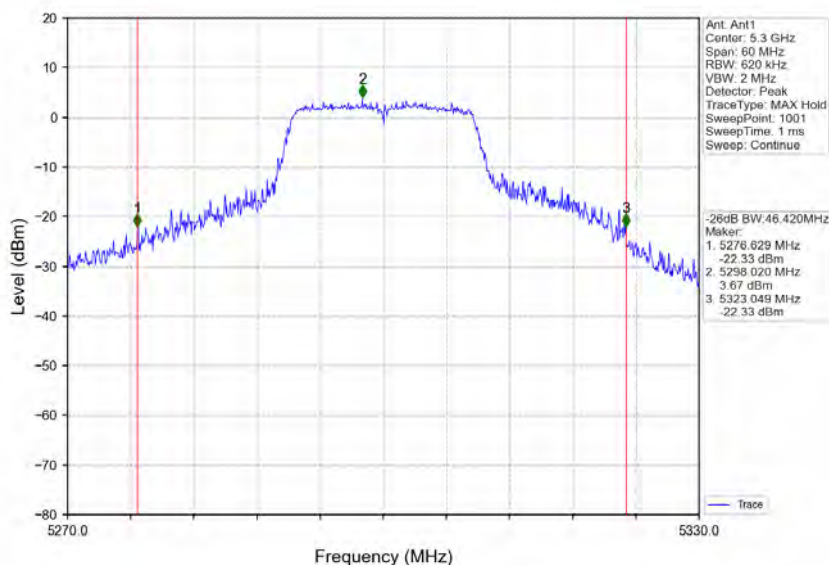
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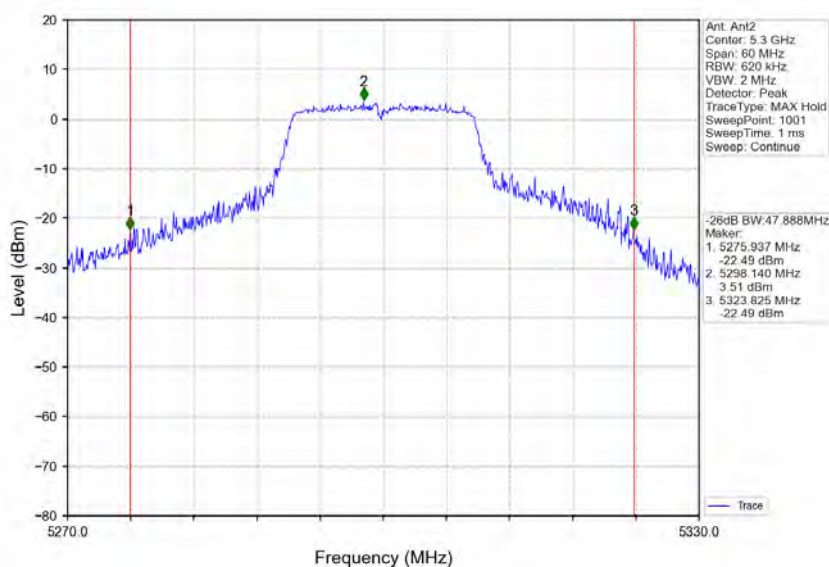
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802.11n(HT20) MCH 5300MHz Ant1 NTV



802.11n(HT20) MCH 5300MHz Ant2 NTV



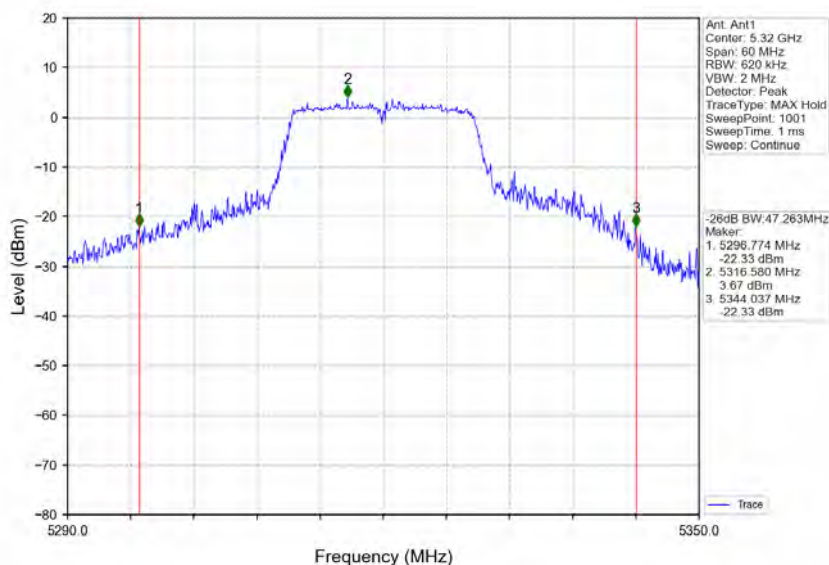
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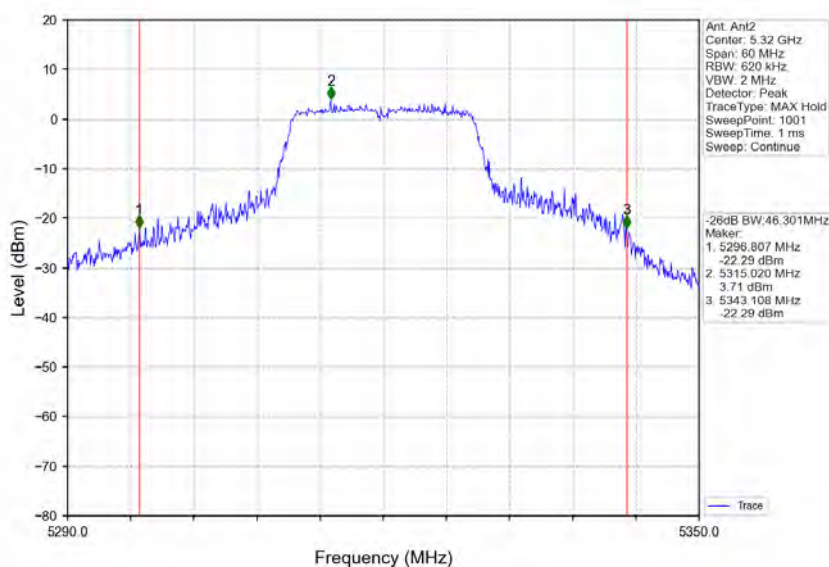
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802.11n(HT20) HCH 5320MHz Ant1 NTN



802.11n(HT20) HCH 5320MHz Ant2 NTN



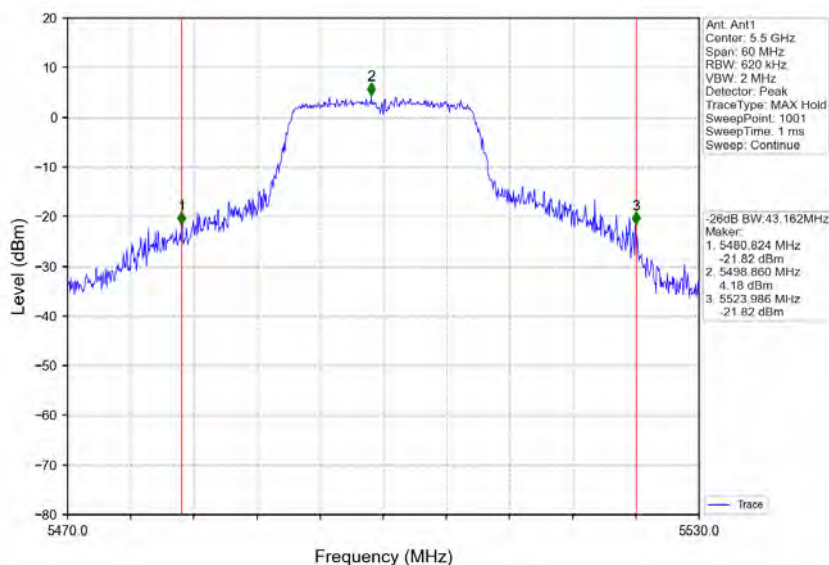
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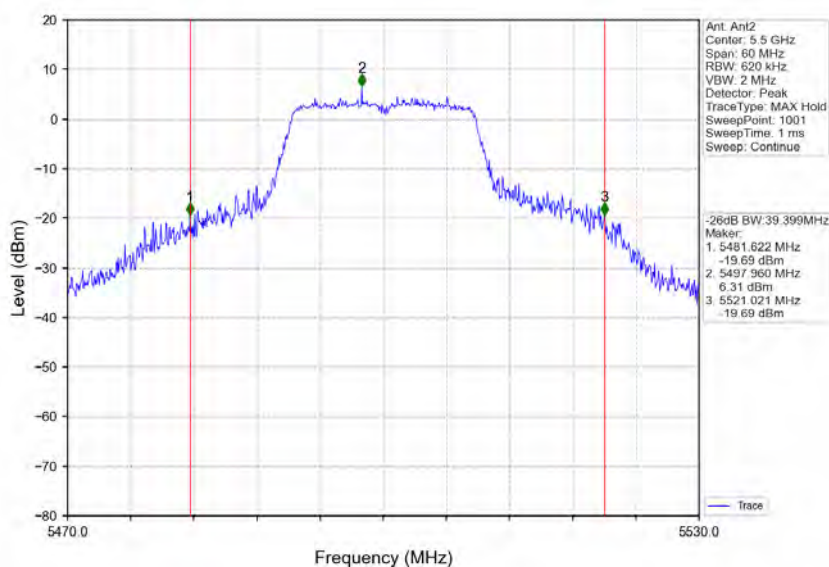
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802.11n(HT20) LCH 5500MHz Ant1 NTN



802.11n(HT20) LCH 5500MHz Ant2 NTN



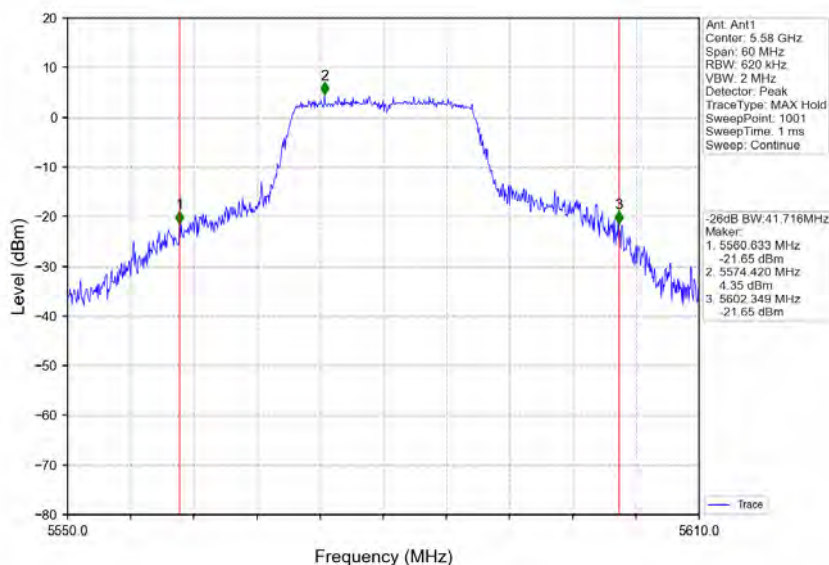
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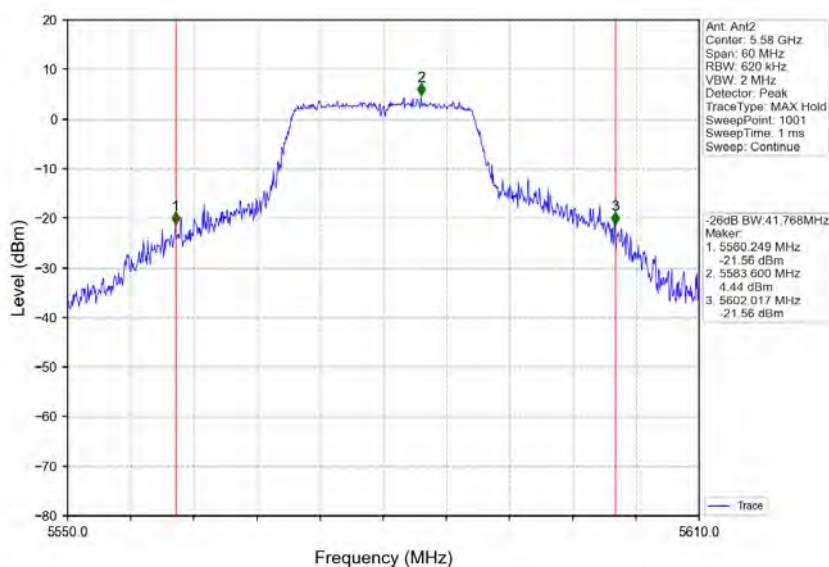
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802.11n(HT20) MCH 5580MHz Ant1 NTV



802.11n(HT20) MCH 5580MHz Ant2 NTV



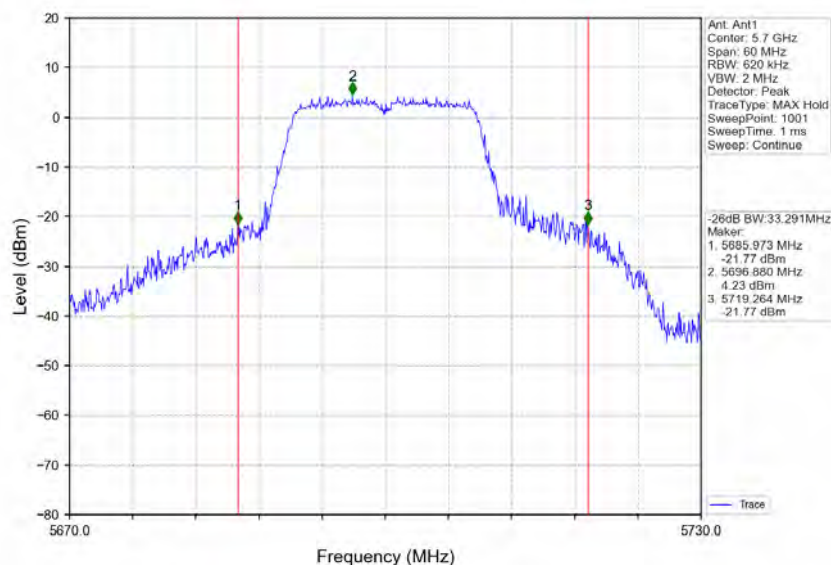
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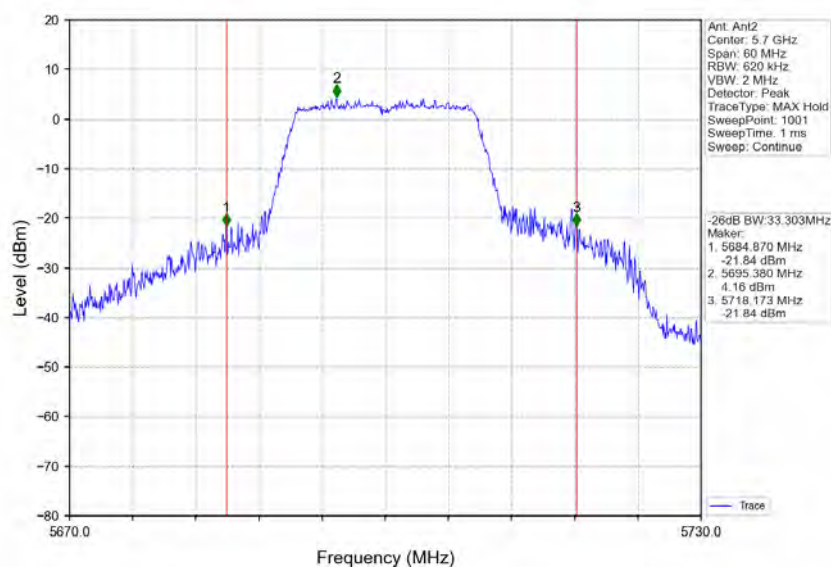
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802.11n(HT20) HCH 5700MHz Ant1 NTN



802.11n(HT20) HCH 5700MHz Ant2 NTN



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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)			Verdict
			Ant1	Ant2	Limit	
802.11a	SISO	5180	10.89	10.73	<=23.98	Pass
		5200	10.49	10.48	<=23.98	Pass
		5240	10.00	10.02	<=23.98	Pass
		5260	10.18	10.15	<=23.98	Pass
		5300	10.22	10.23	<=23.98	Pass
		5320	9.98	10.10	<=23.98	Pass
		5500	10.95	10.98	<=23.98	Pass
		5580	10.64	10.66	<=23.98	Pass
		5700	10.75	10.75	<=23.98	Pass
		5745	10.77	10.76	<=30	Pass
		5785	10.34	10.35	<=30	Pass
		5825	10.38	9.69	<=30	Pass
802.11n (HT20)	SISO	5180	10.81	10.85	<=23.98	Pass
		5200	10.45	10.41	<=23.98	Pass
		5240	10.42	10.37	<=23.98	Pass
		5260	10.24	10.24	<=23.98	Pass
		5300	10.04	10.01	<=23.98	Pass
		5320	10.02	9.85	<=23.98	Pass
		5500	10.43	10.44	<=23.98	Pass
		5580	10.77	10.75	<=23.98	Pass
		5700	10.50	10.53	<=23.98	Pass
		5745	10.16	10.15	<=30	Pass
		5785	10.49	10.48	<=30	Pass
		5825	10.58	10.57	<=30	Pass

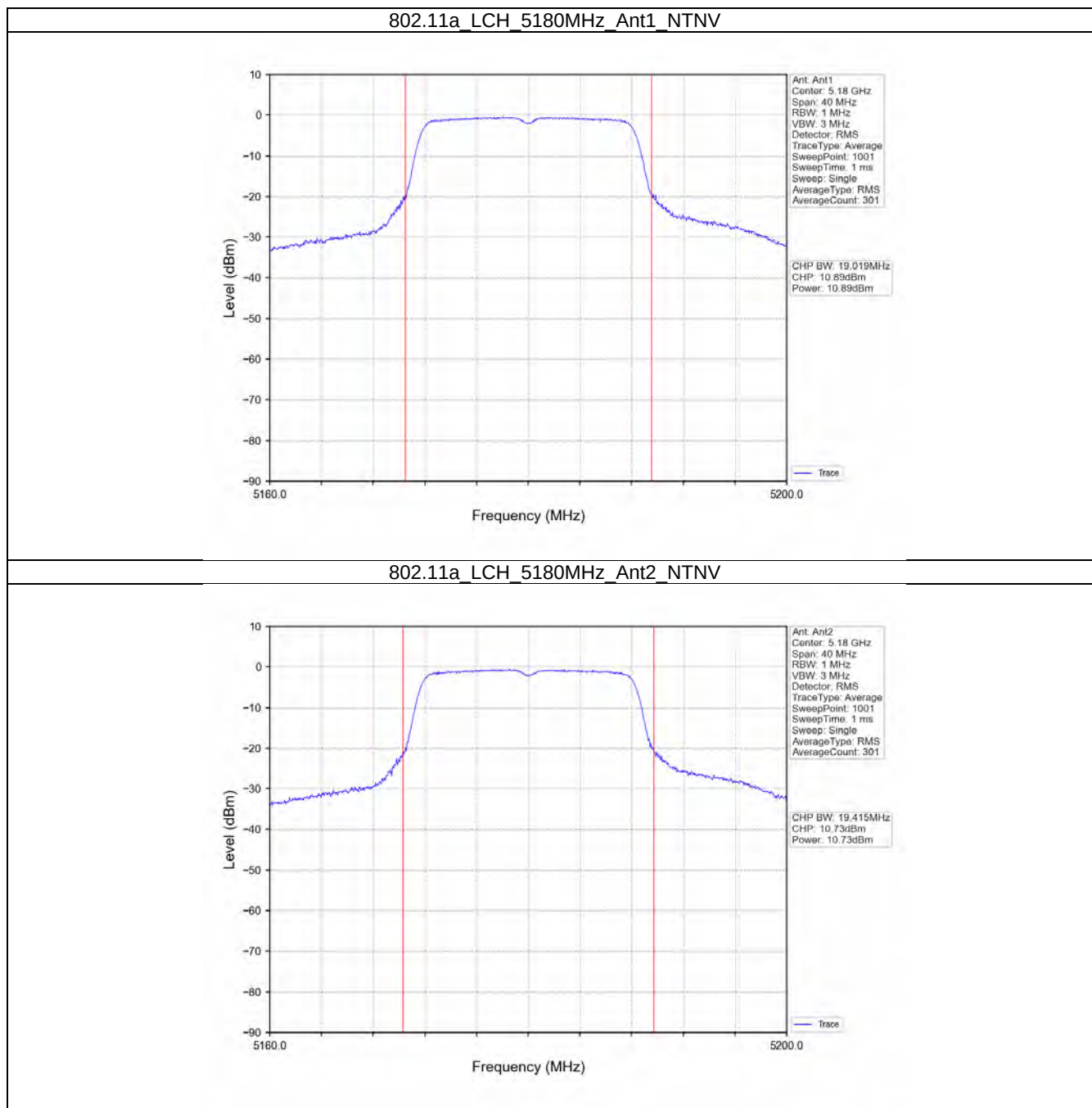
Note1: Antenna Gain: Ant1: 2.99dBi; Ant2: 2.83dBi;



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3.1.2 Test Graph



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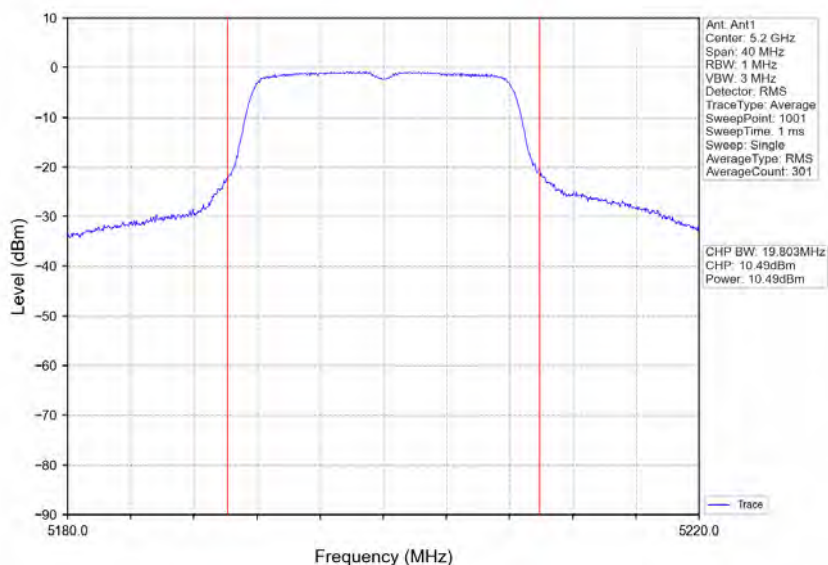
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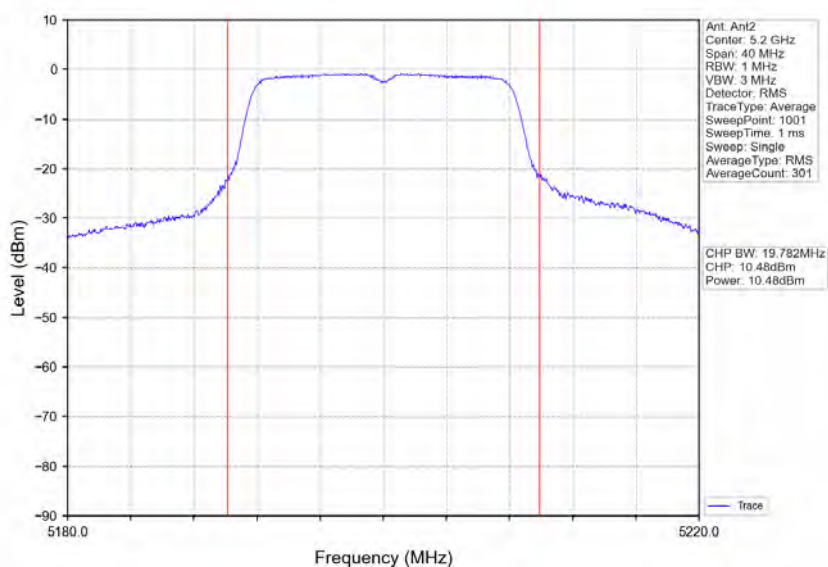
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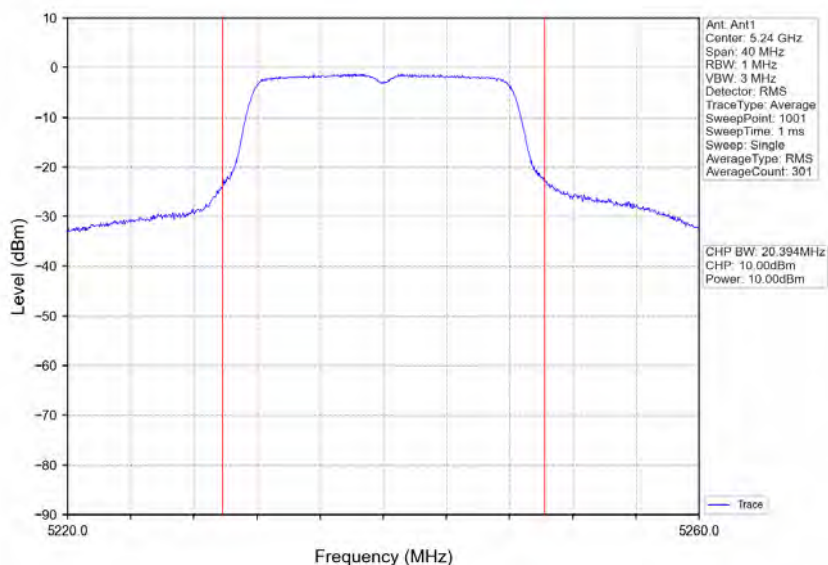
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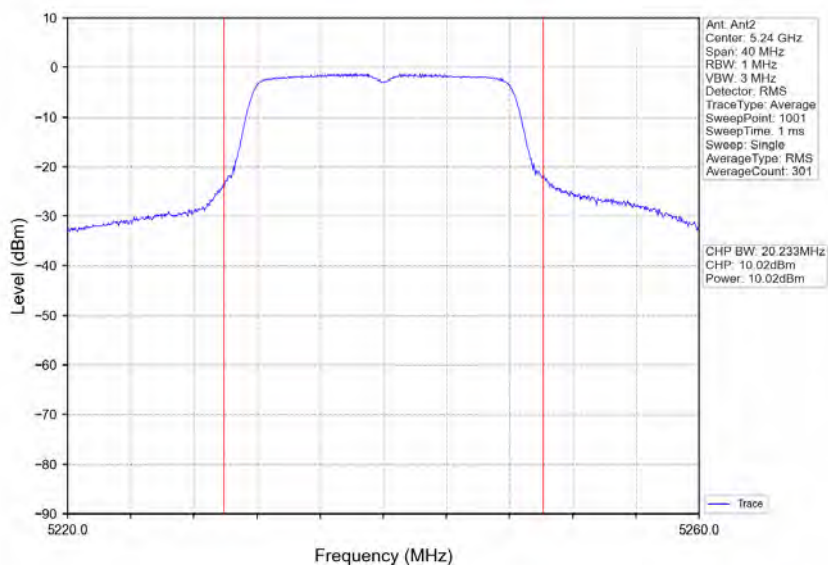
802.11a MCH 5200MHz Ant2 NTNv



802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_HCH_5240MHz_Ant2_NTNV



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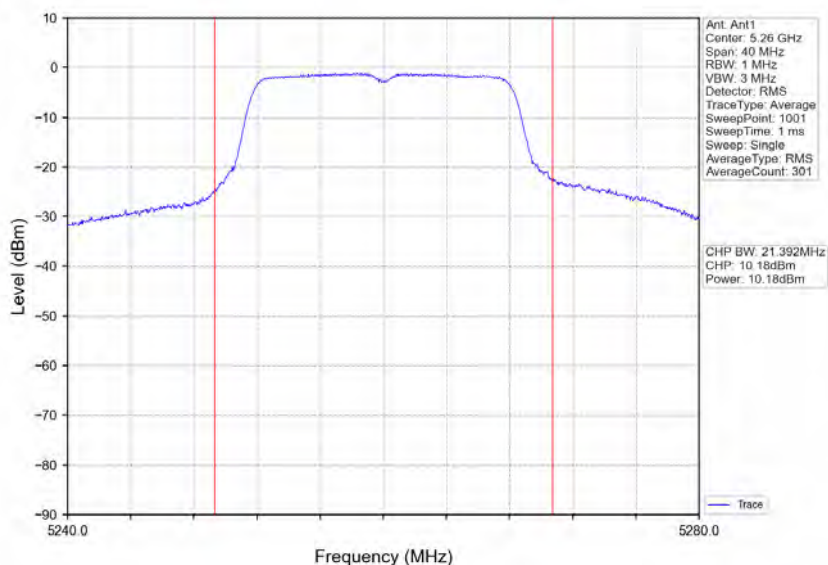
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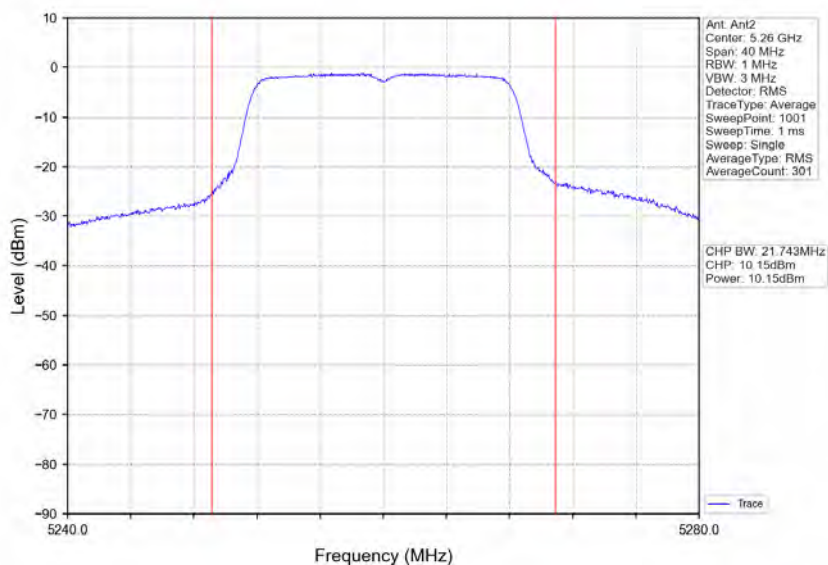
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802.11a LCH_5260MHz_Ant1_NTNV



802.11a LCH_5260MHz_Ant2_NTNV



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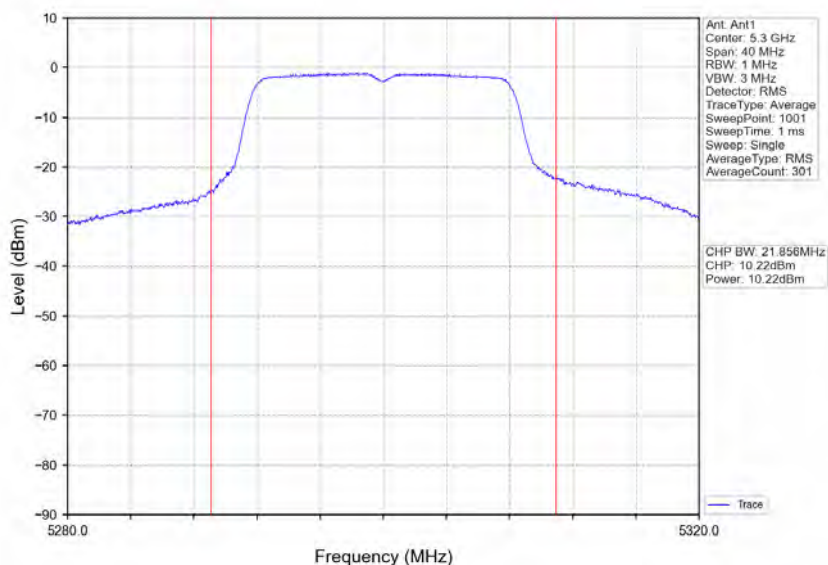
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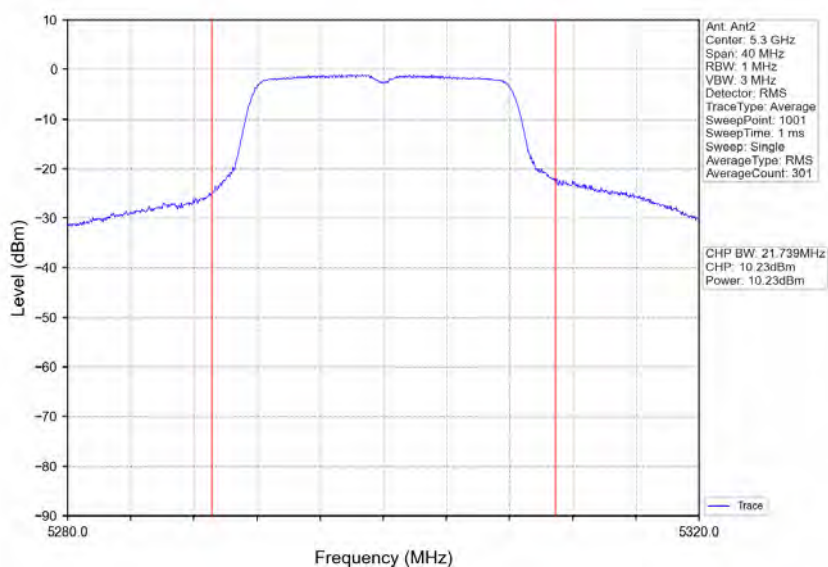
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802.11a MCH 5300MHz Ant1 NTN



802.11a MCH 5300MHz Ant2 NTN



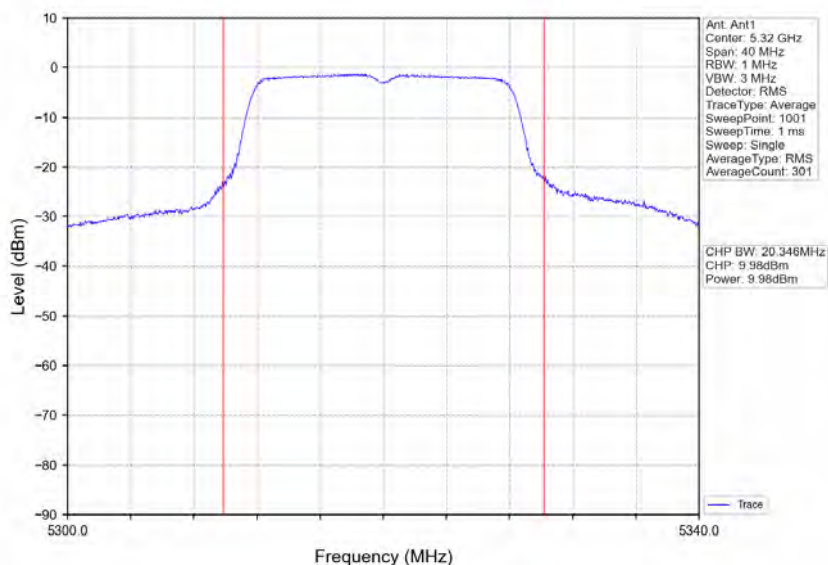
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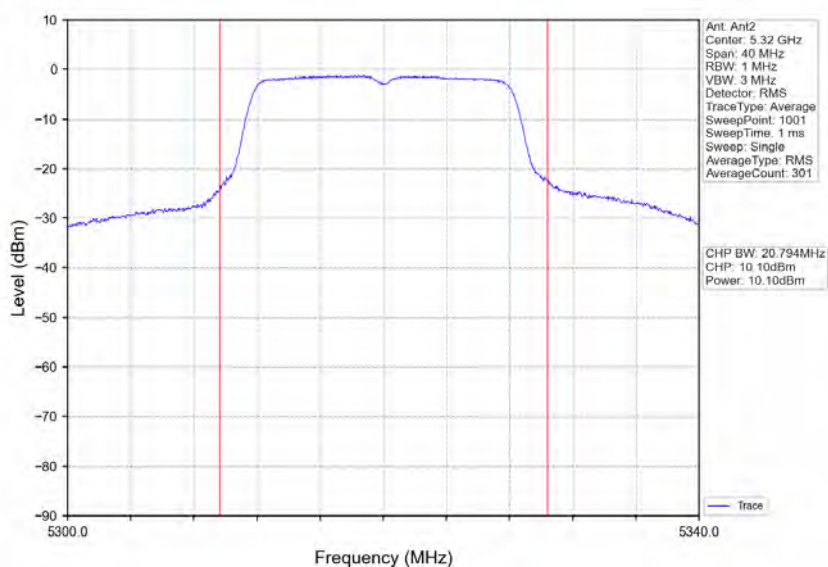
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802.11a_HCH_5320MHz_Ant1_NTNV



802.11a_HCH_5320MHz_Ant2_NTNV



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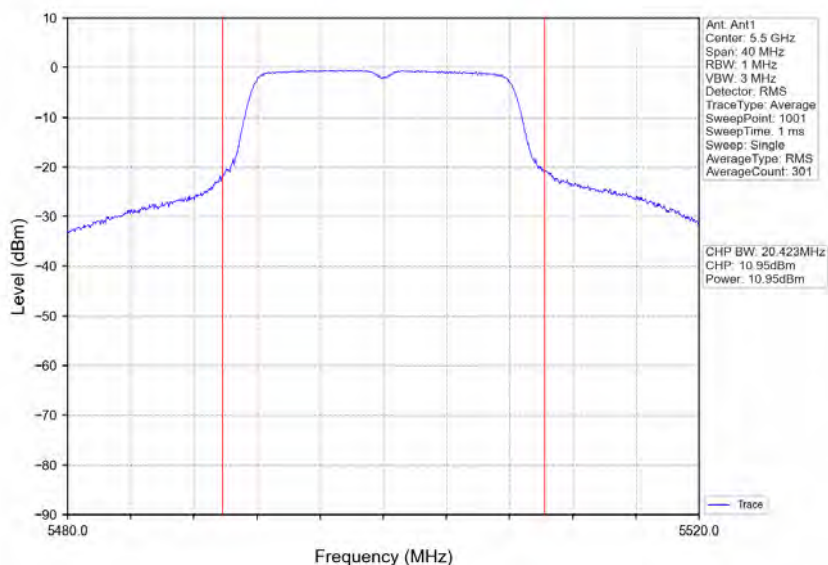
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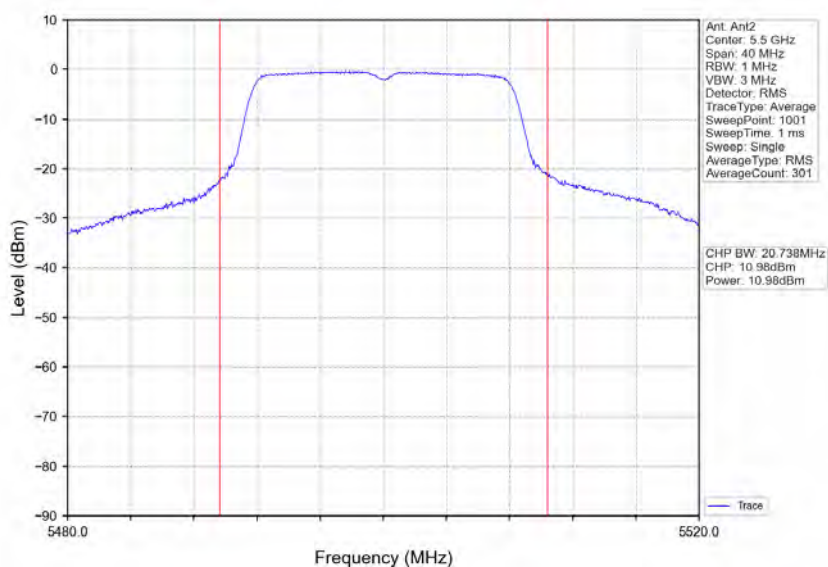
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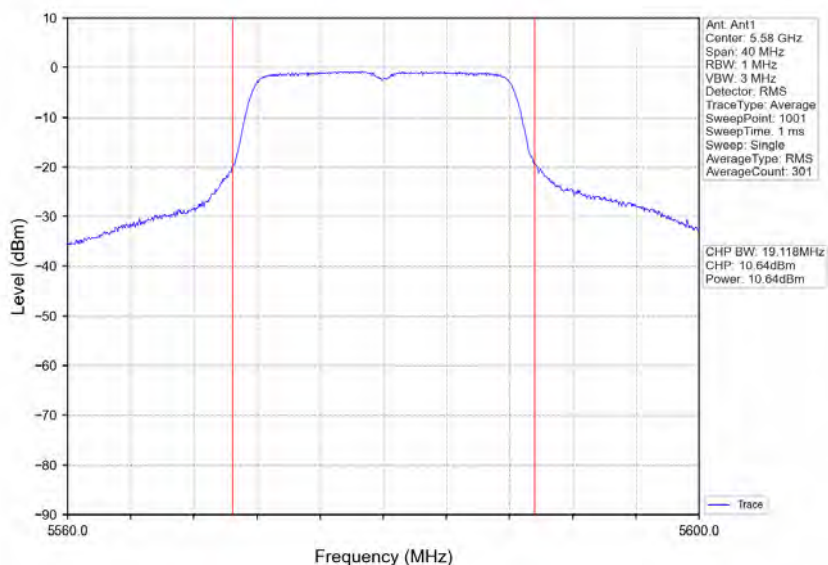
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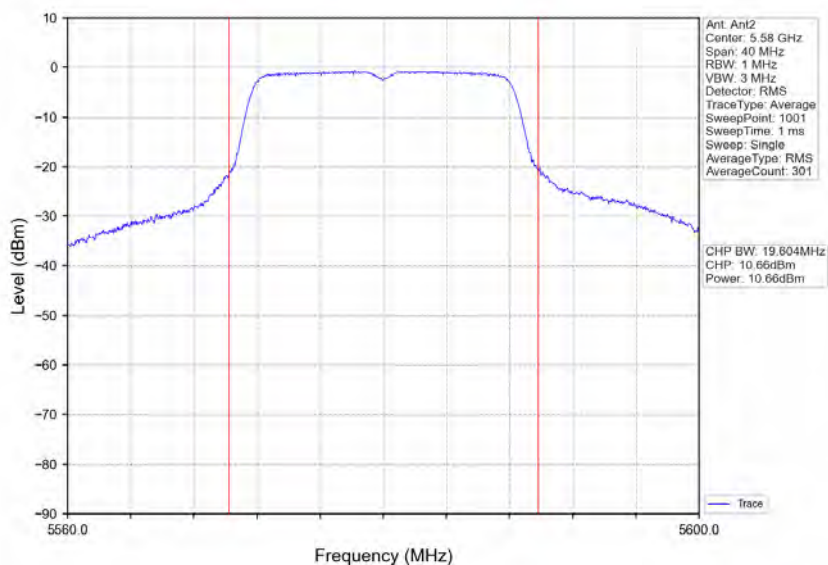
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802.11a MCH 5580MHz Ant1 NTN



802.11a MCH 5580MHz Ant2 NTN



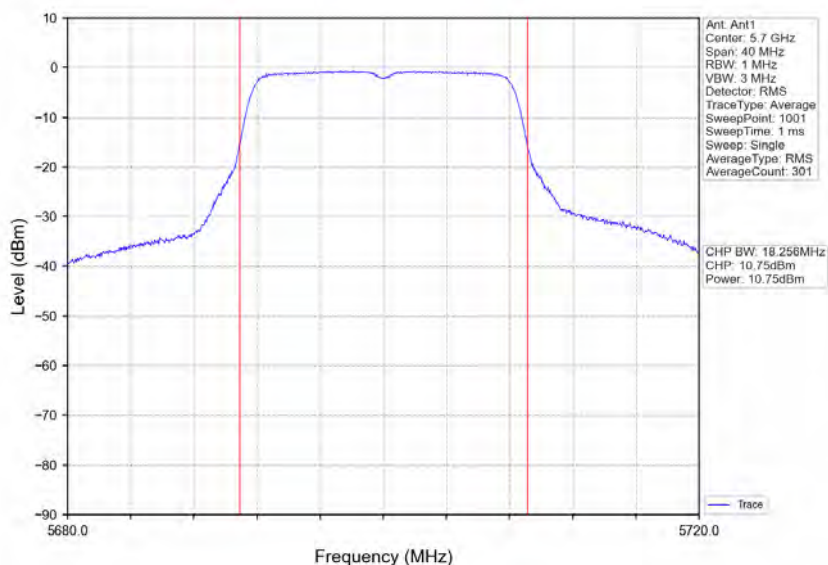
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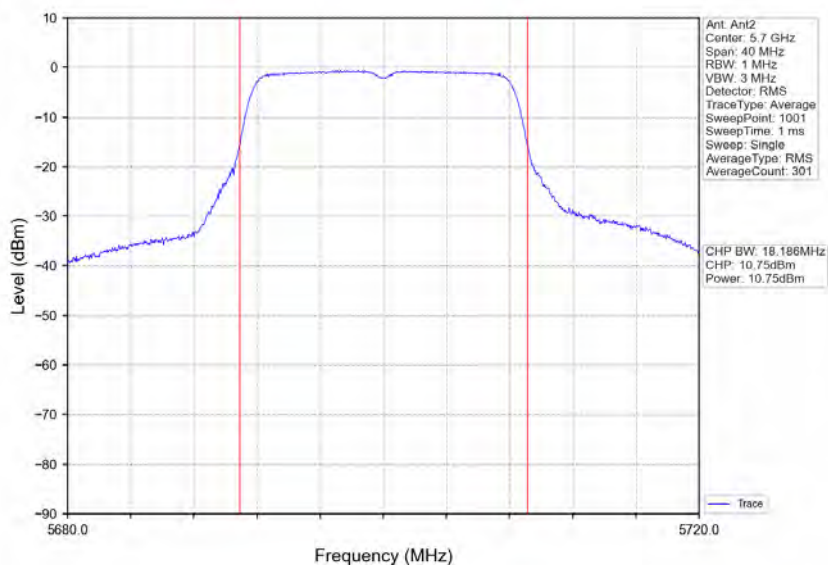
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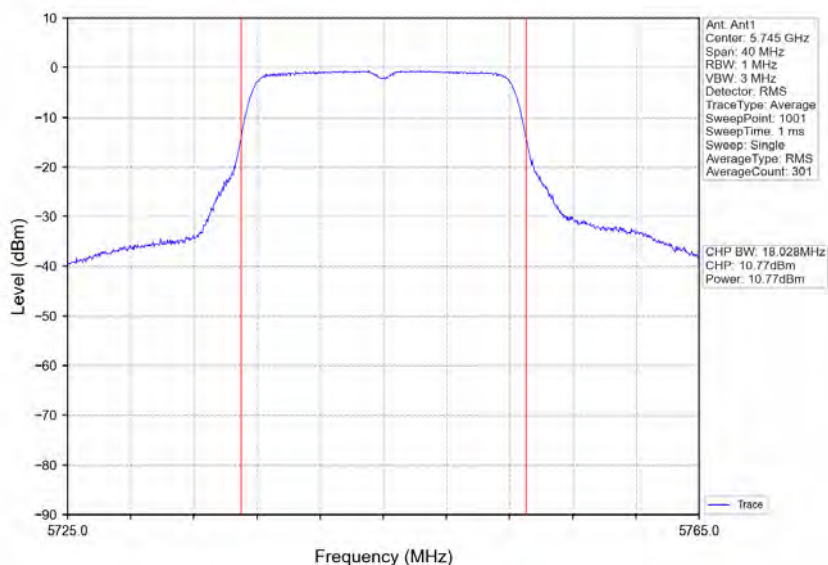
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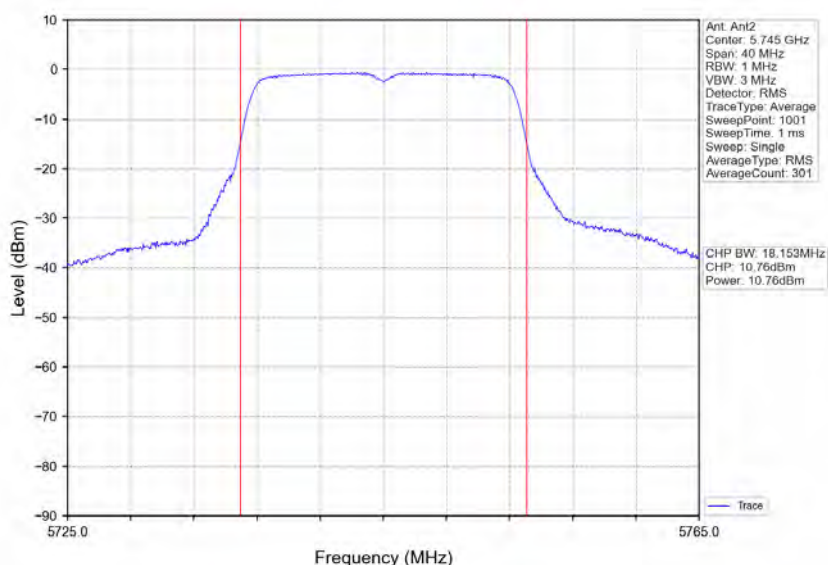
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802.11a LCH_5745MHz_Ant1_NTNV



802.11a LCH_5745MHz_Ant2_NTNV



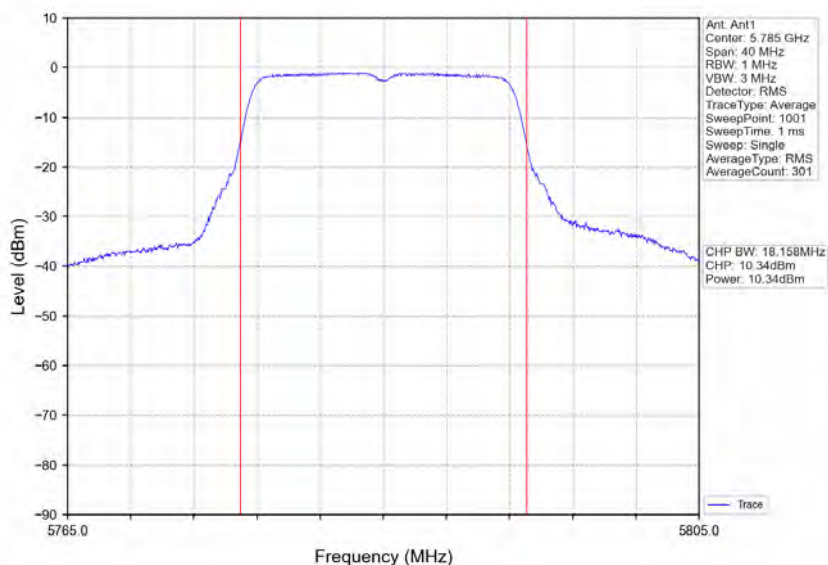
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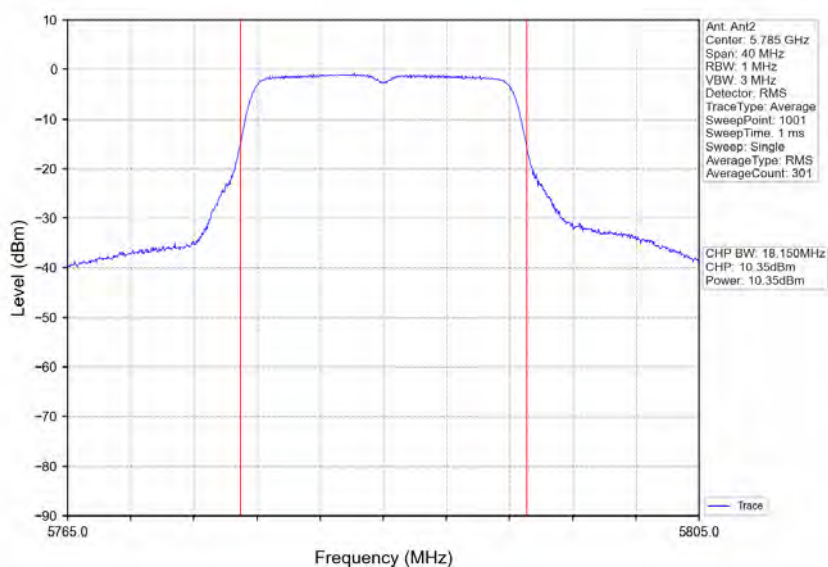
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802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_MCH_5785MHz_Ant2_NTNV



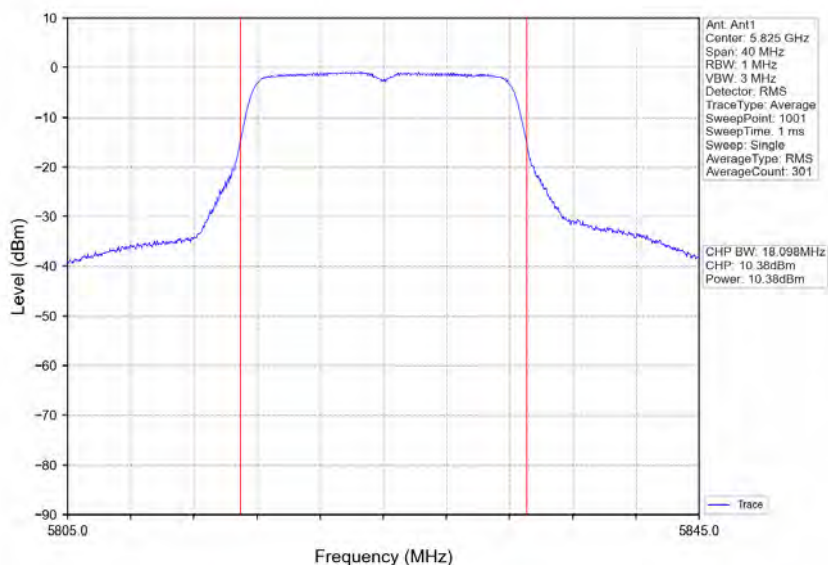
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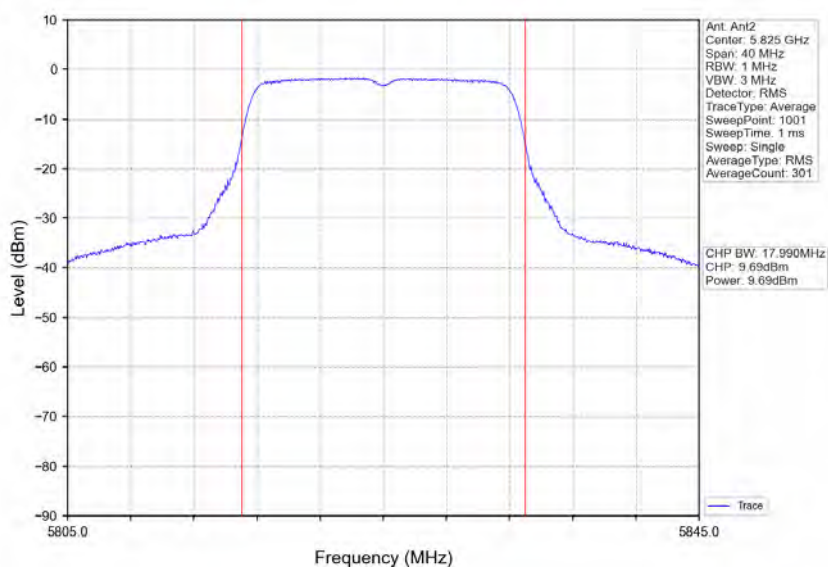
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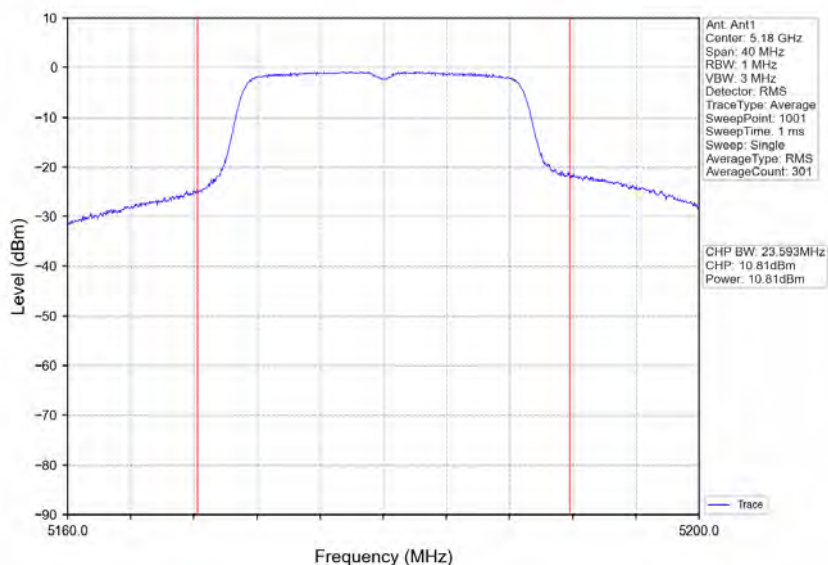
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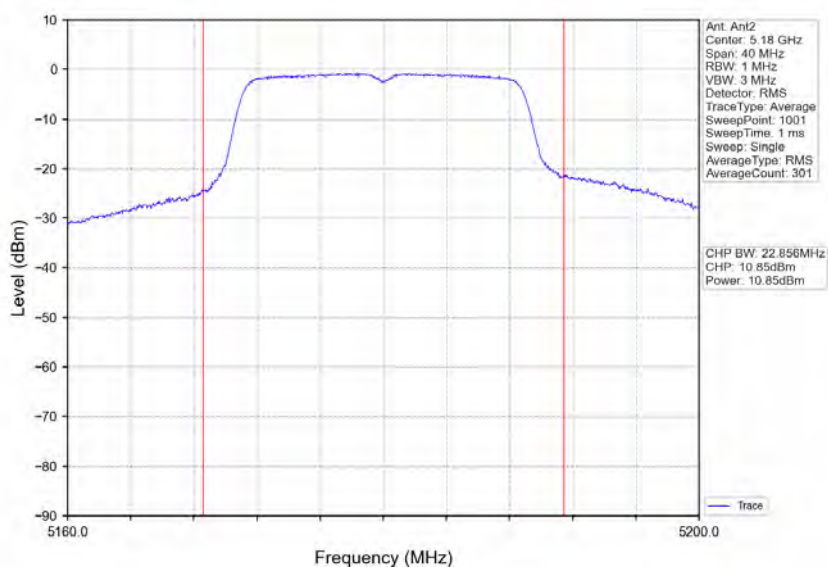
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802.11n(HT20) LCH 5180MHz Ant1 NTN



802.11n(HT20) LCH 5180MHz Ant2 NTN



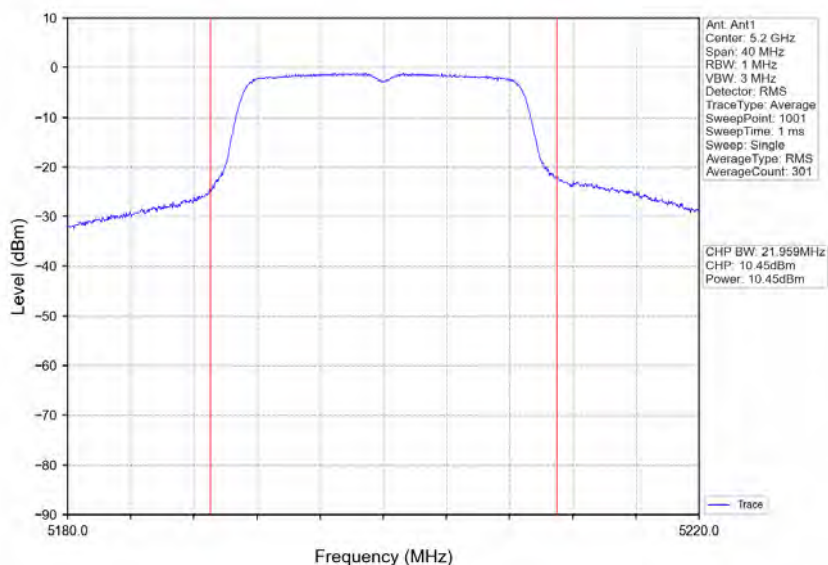
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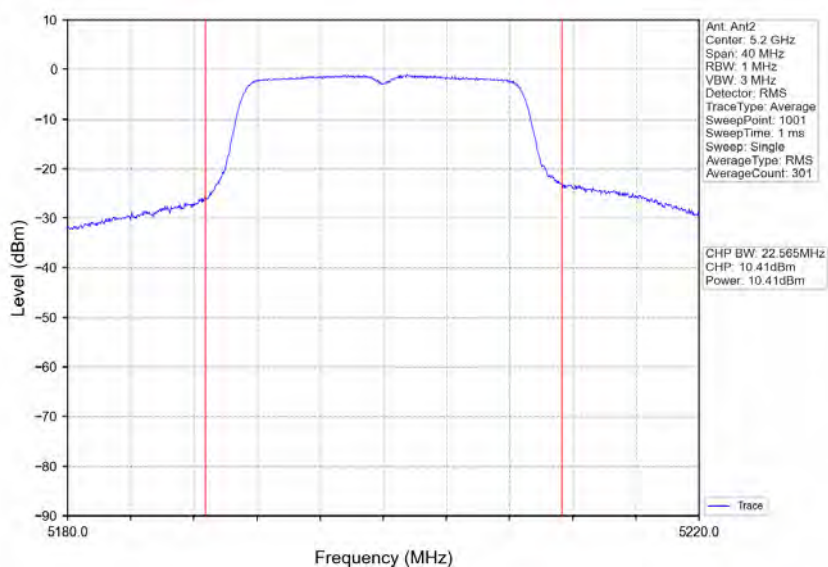
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802.11n(HT20) MCH 5200MHz Ant2 NTN



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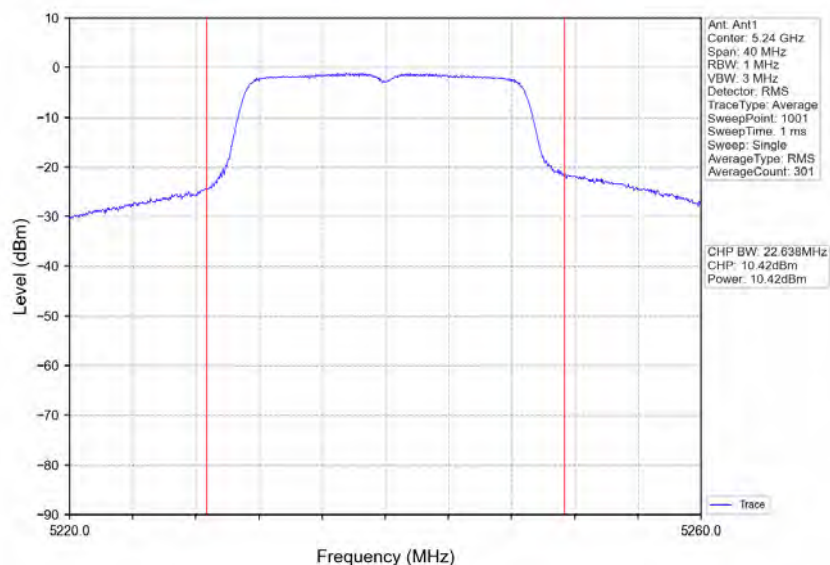
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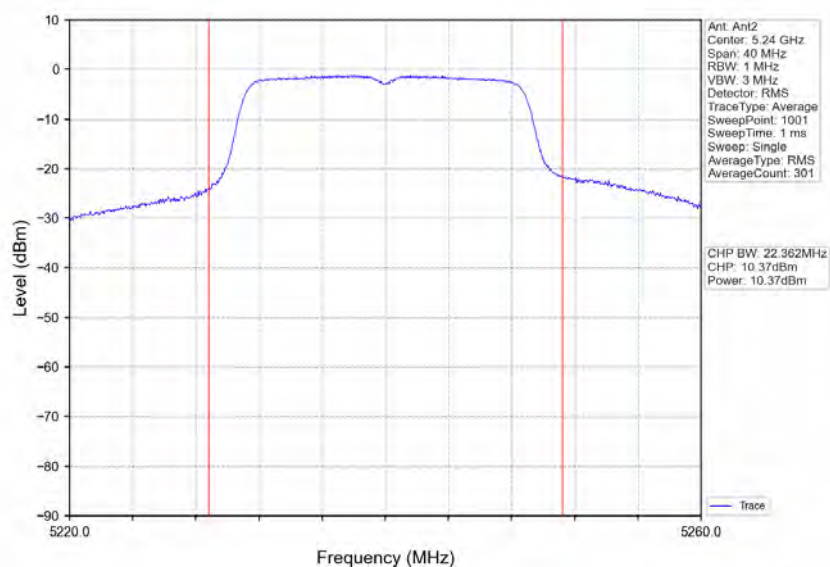
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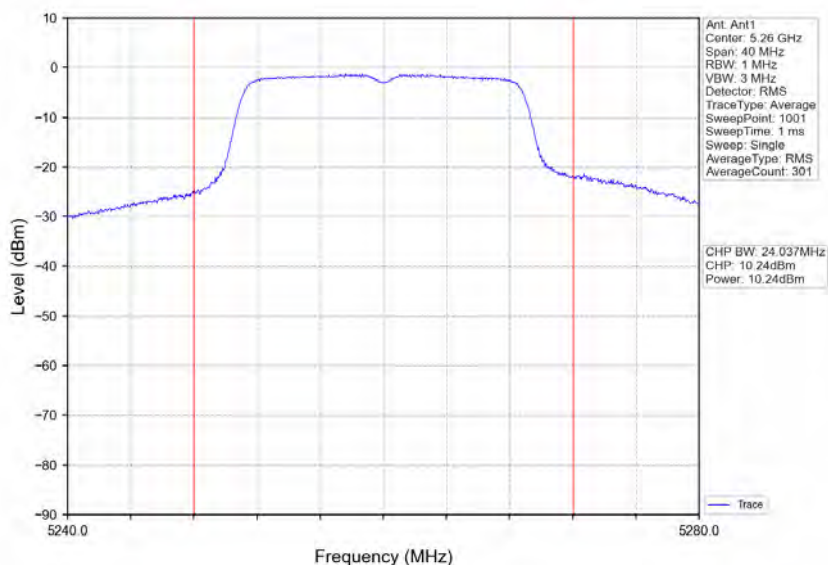
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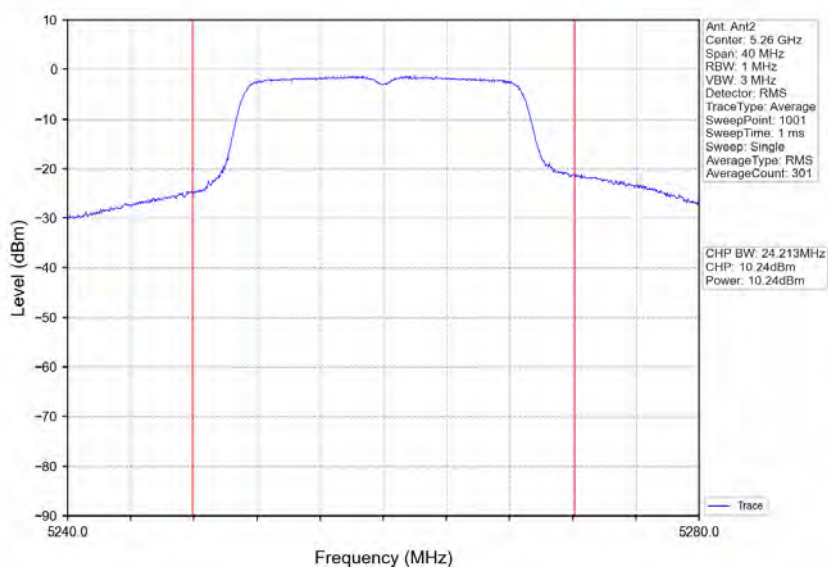
802.11n(HT20) HCH 5240MHz Ant2 NTN



802.11n(HT20) LCH 5260MHz Ant1 NTN



802.11n(HT20) LCH 5260MHz Ant2 NTN



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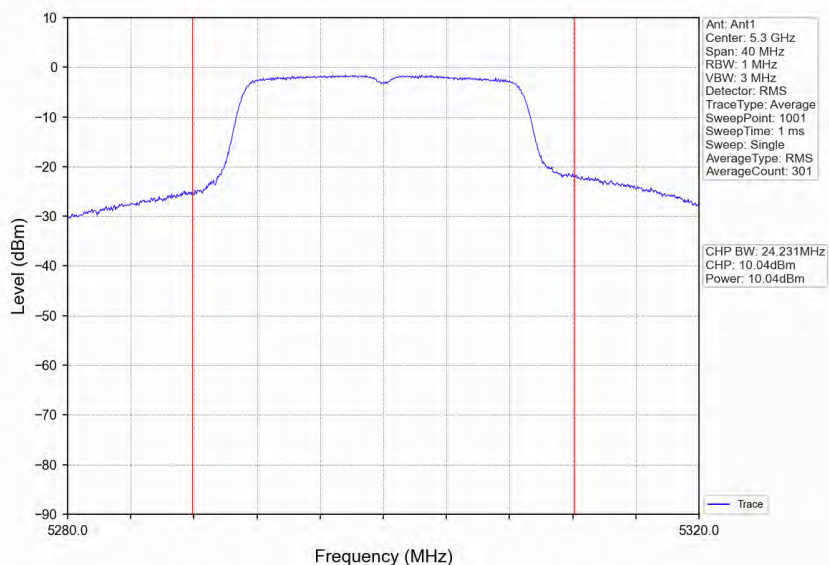
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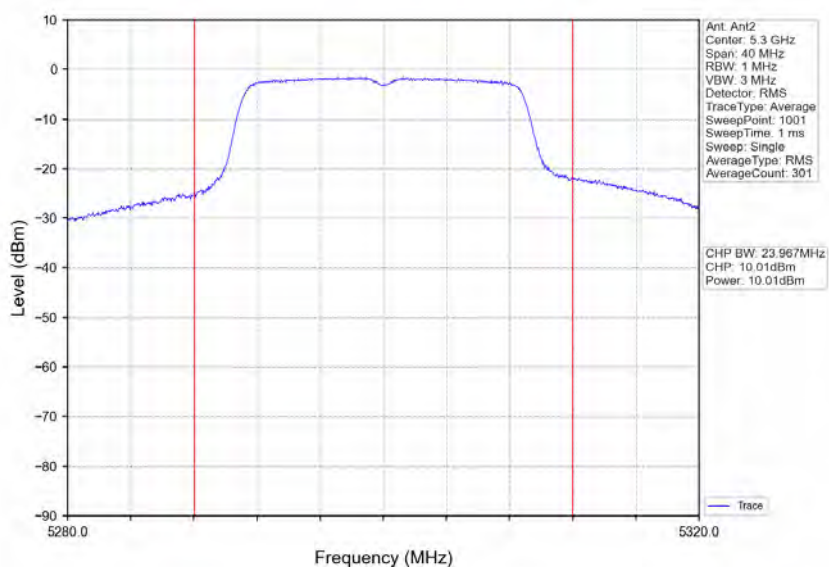
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802.11n(HT20) MCH 5300MHz Ant1 NTN



802.11n(HT20) MCH 5300MHz Ant2 NTN



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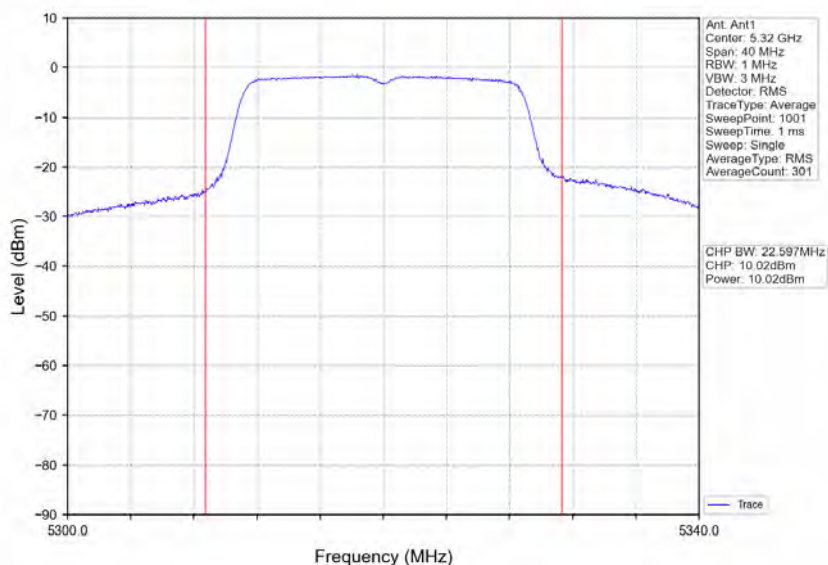
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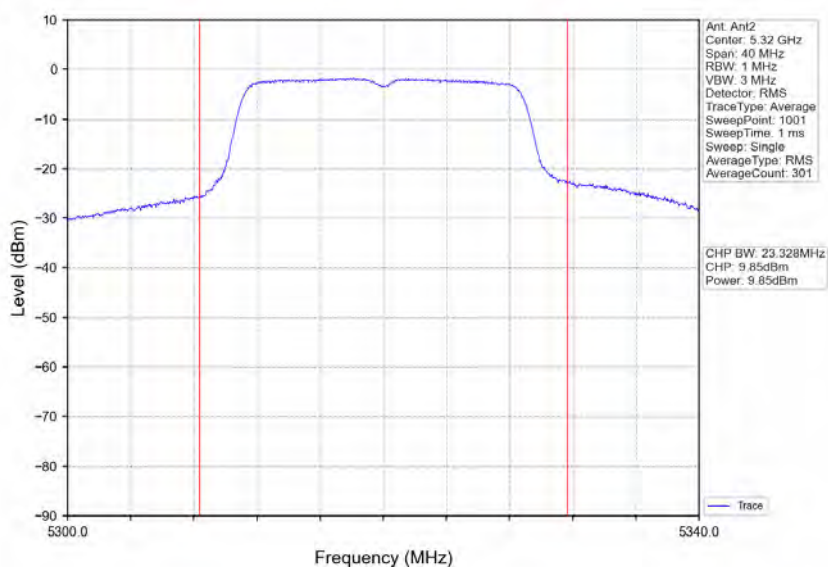
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802.11n(HT20) HCH 5320MHz Ant1 NTN



802.11n(HT20) HCH 5320MHz Ant2 NTN



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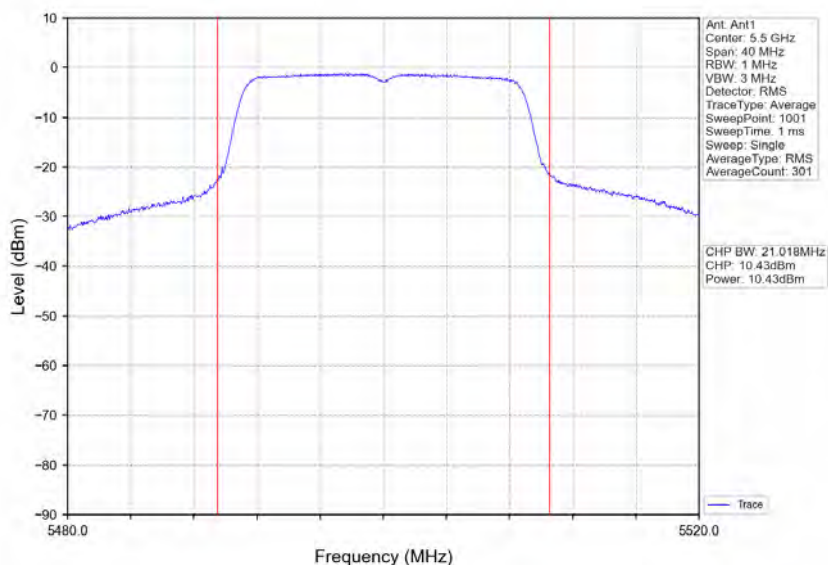
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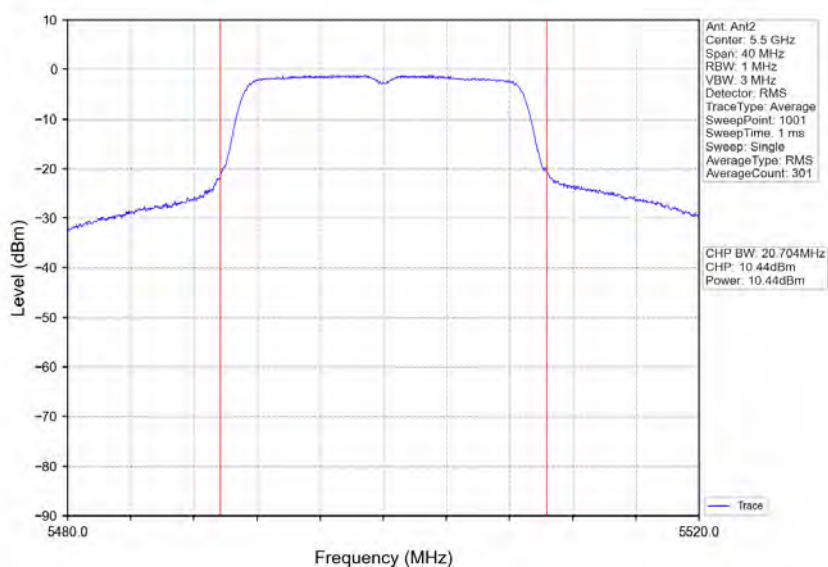
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802.11n(HT20) LCH 5500MHz Ant1 NTN



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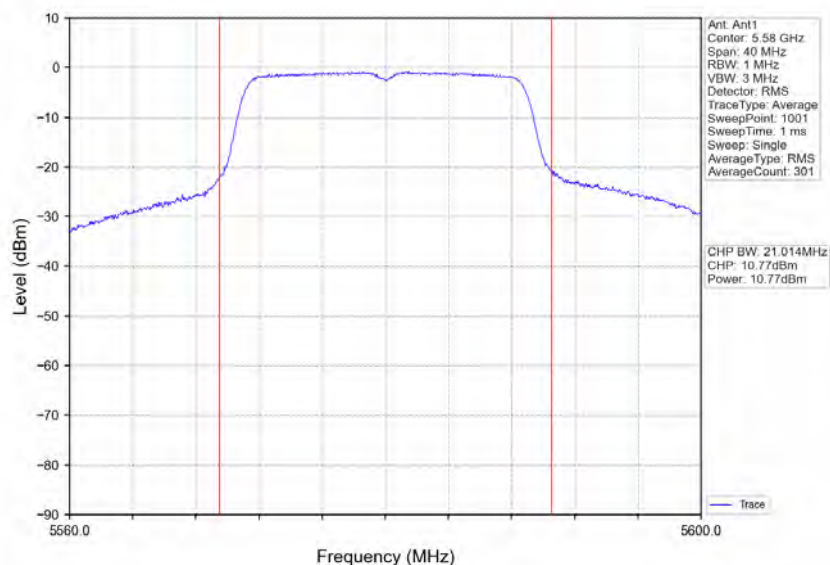
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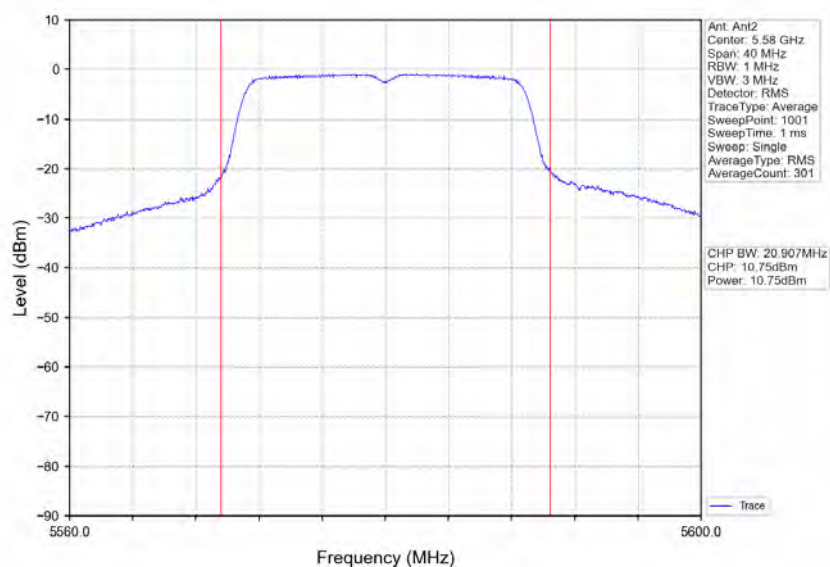
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802.11n(HT20) MCH 5580MHz Ant1 NTN



802.11n(HT20) MCH 5580MHz Ant2 NTN



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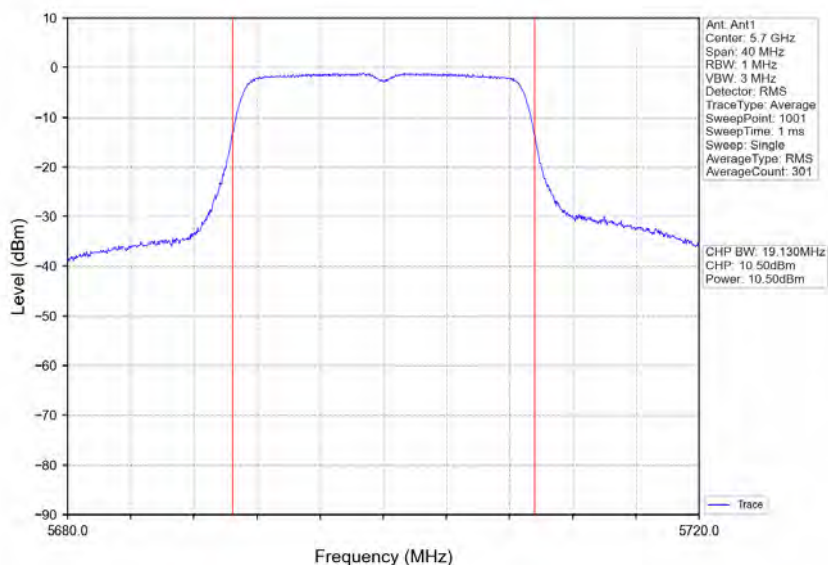
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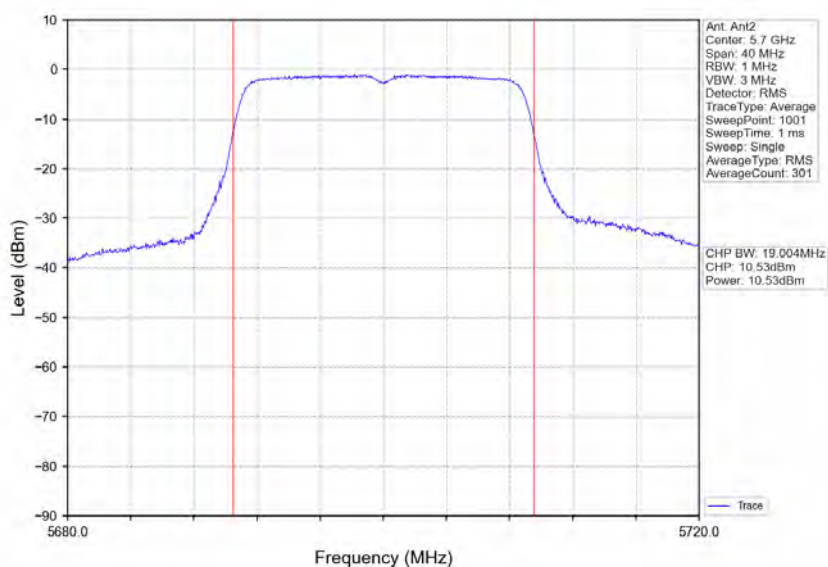
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802.11n(HT20) HCH 5700MHz Ant1 NTN



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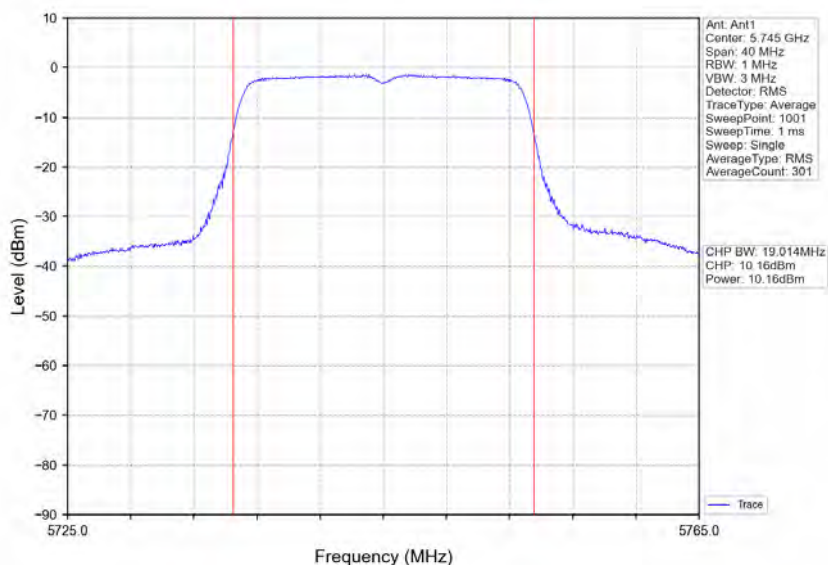
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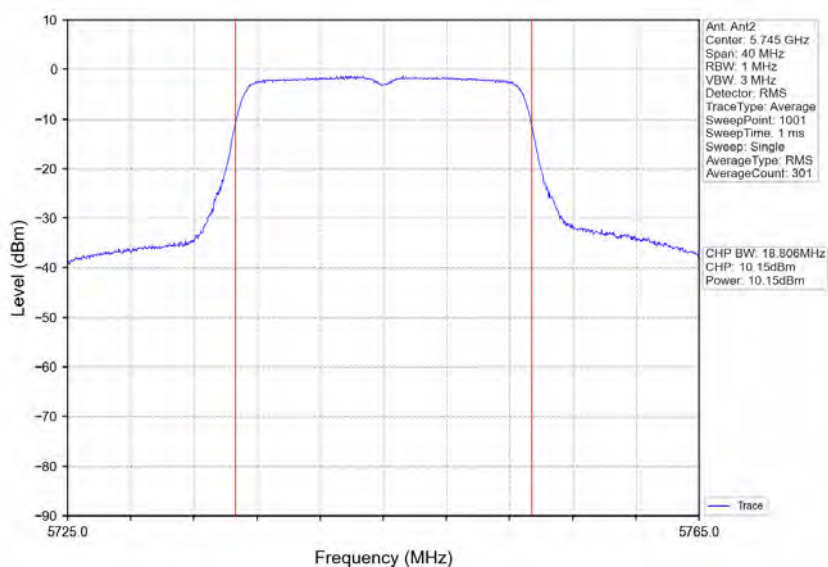
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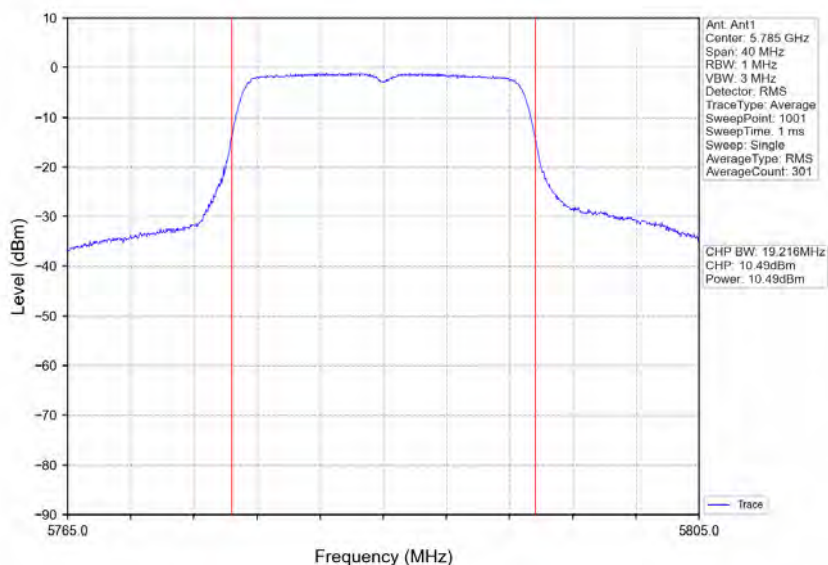
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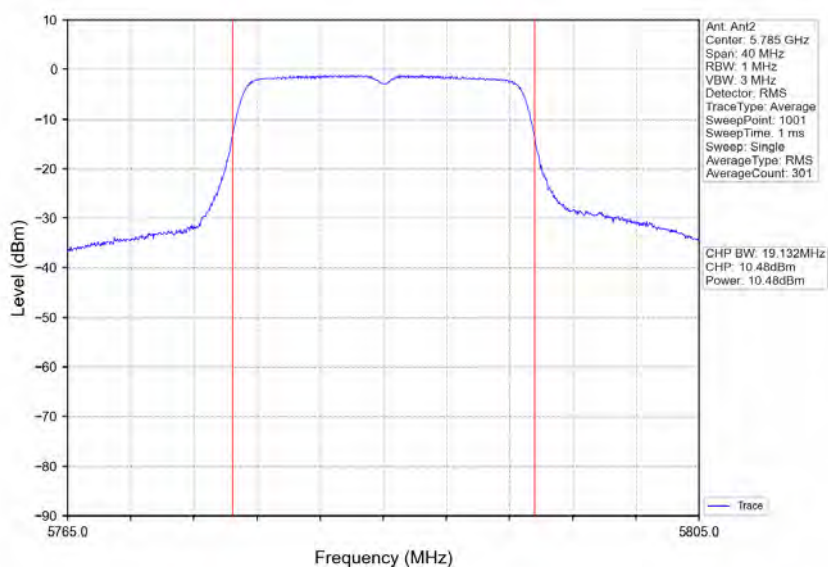
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802.11n(HT20) MCH 5785MHz Ant1 NTN



802.11n(HT20) MCH 5785MHz Ant2 NTN



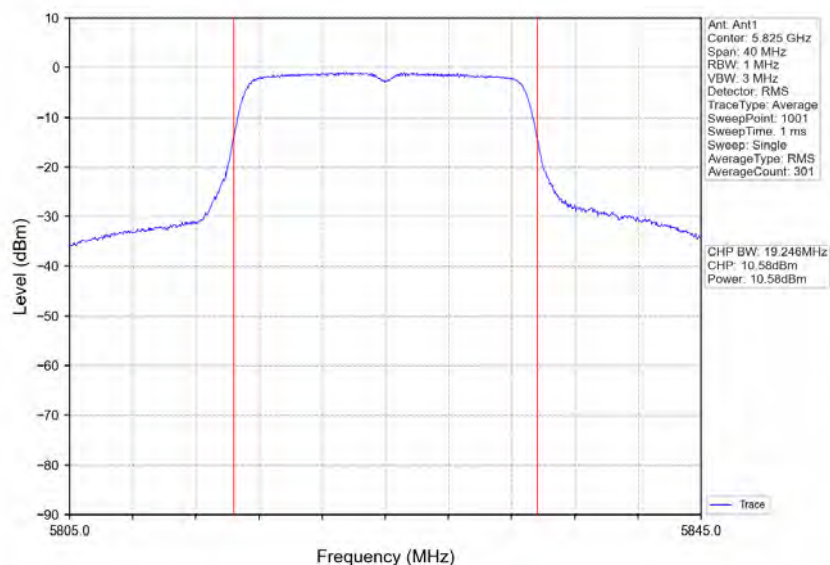
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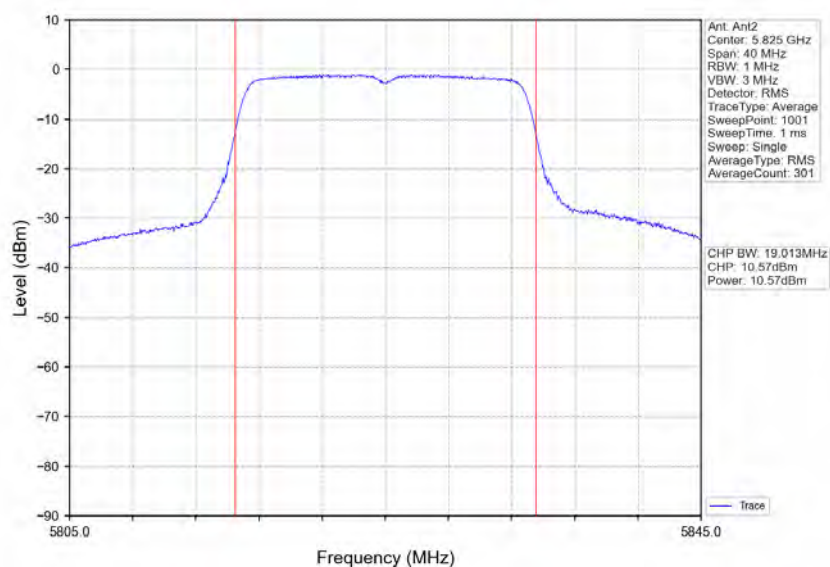
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802.11n(HT20) HCH 5825MHz Ant1 NTN



802.11n(HT20) HCH 5825MHz Ant2 NTN



4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)			Verdict
			Ant1	Ant2	Limit	
802.11a	SISO	5180	-0.35	-0.58	<=11	Pass
		5200	-0.76	-0.70	<=11	Pass
		5240	-1.40	-1.24	<=11	Pass
		5260	-1.13	-0.95	<=11	Pass
		5300	-1.03	-1.04	<=11	Pass
		5320	-1.29	-1.10	<=11	Pass
		5500	-0.16	-0.34	<=11	Pass
		5580	-0.74	-0.68	<=11	Pass
802.11n (HT20)	SISO	5700	-0.56	-0.60	<=11	Pass
		5180	-0.82	-0.78	<=11	Pass
		5200	-1.11	-1.07	<=11	Pass
		5240	-1.24	-1.24	<=11	Pass
		5260	-1.33	-1.31	<=11	Pass
		5300	-1.51	-1.60	<=11	Pass
		5320	-1.54	-1.67	<=11	Pass
		5500	-1.12	-1.08	<=11	Pass
		5580	-0.80	-0.83	<=11	Pass
		5700	-1.02	-1.04	<=11	Pass

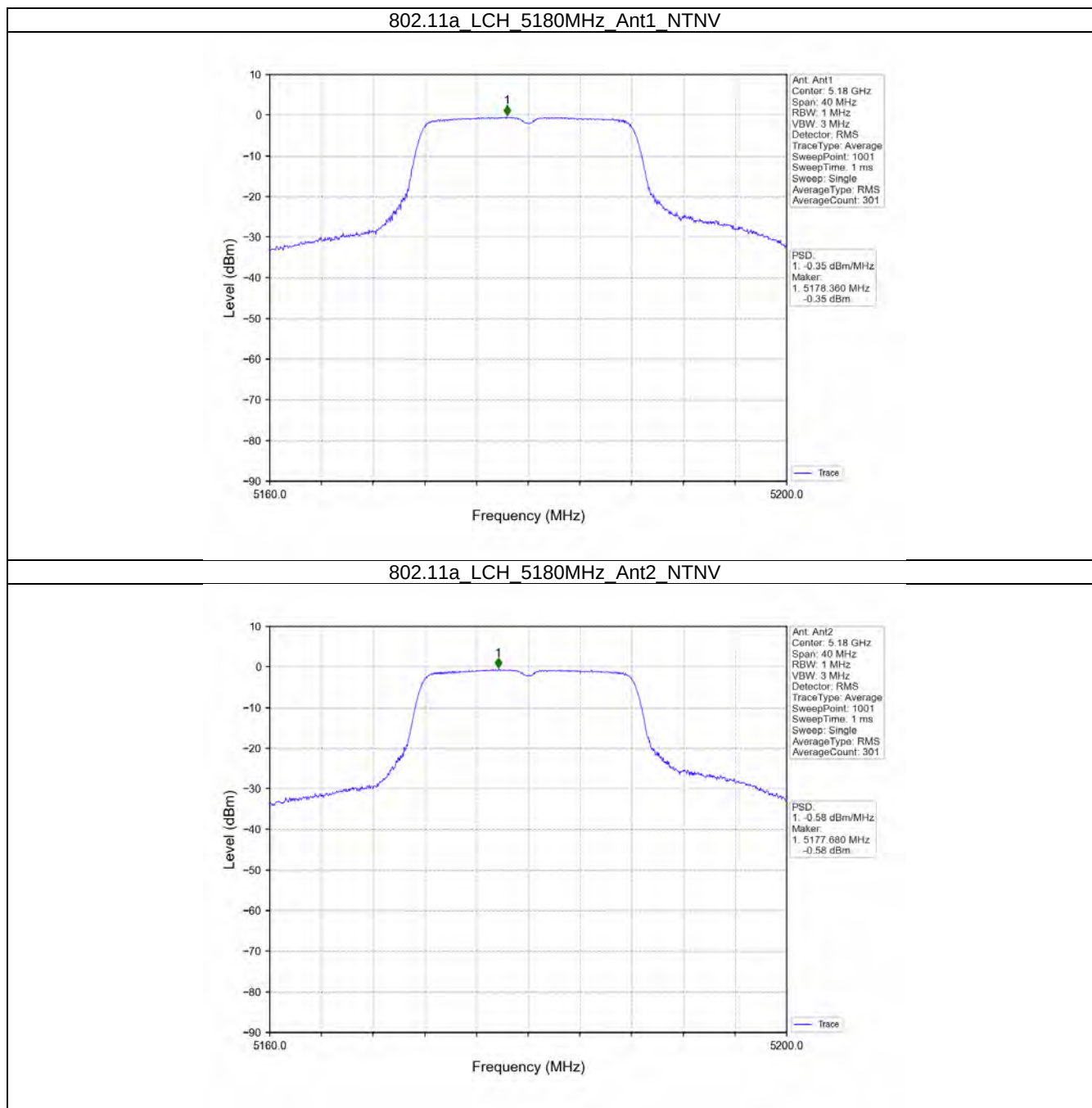
Note1: Antenna Gain: Ant1: 2.99dBi; Ant2: 2.83dBi;



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4.1.2 Test Graph



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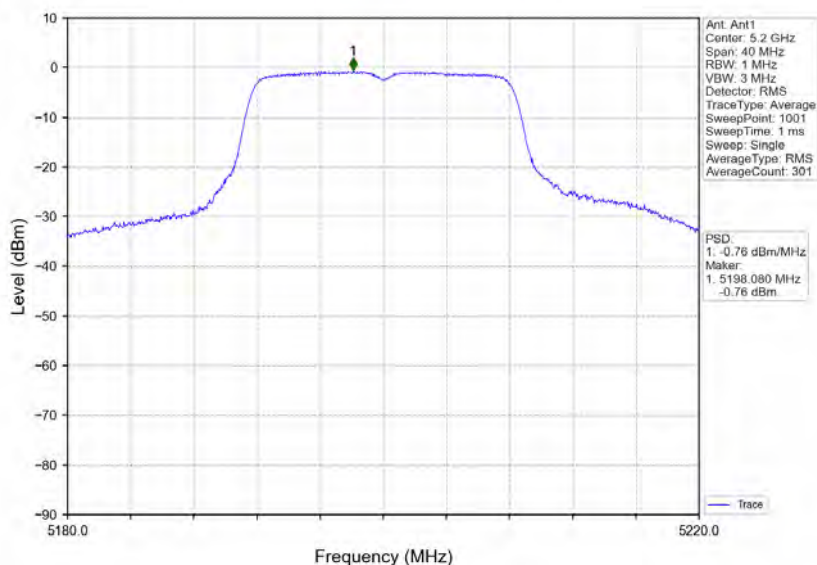
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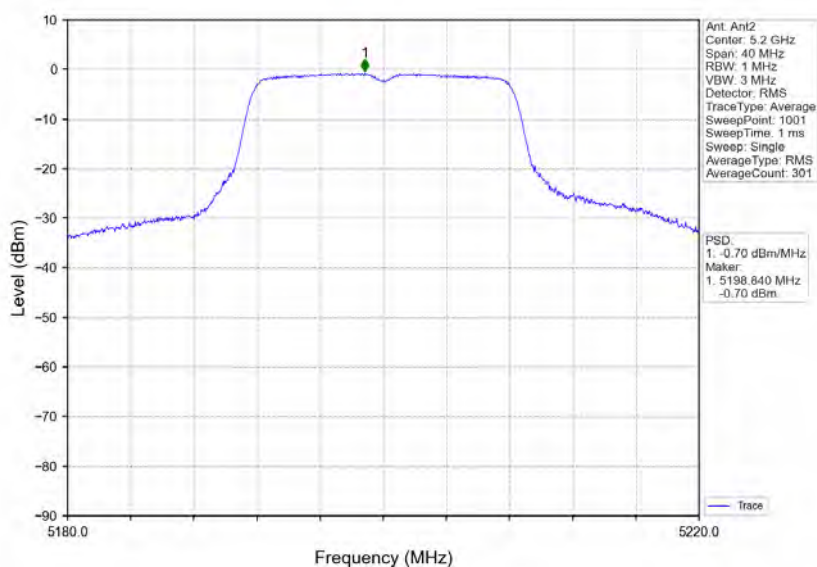
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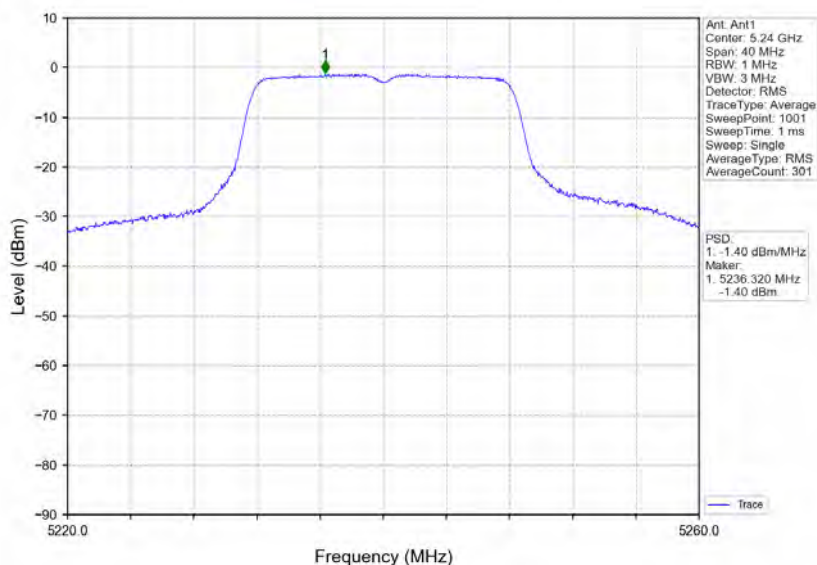
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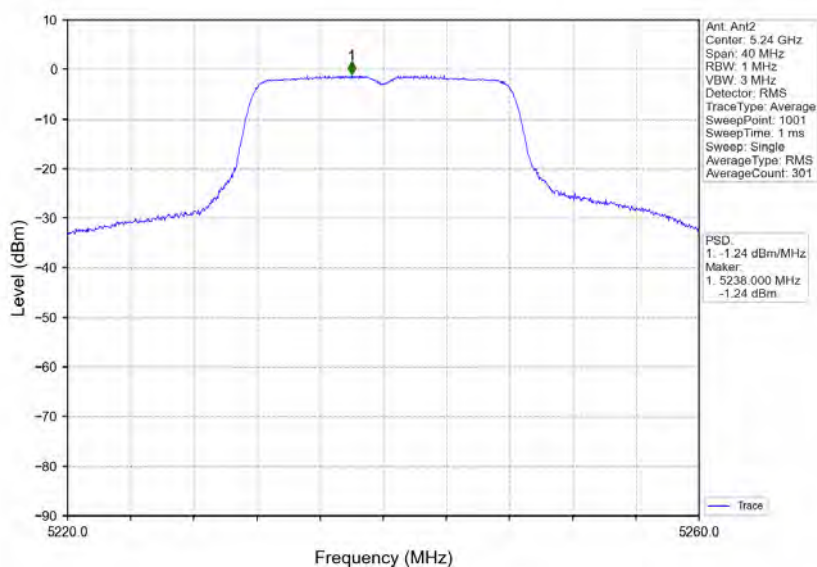
802.11a_MCH_5200MHz_Ant2_NTNV



802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_HCH_5240MHz_Ant2_NTNV



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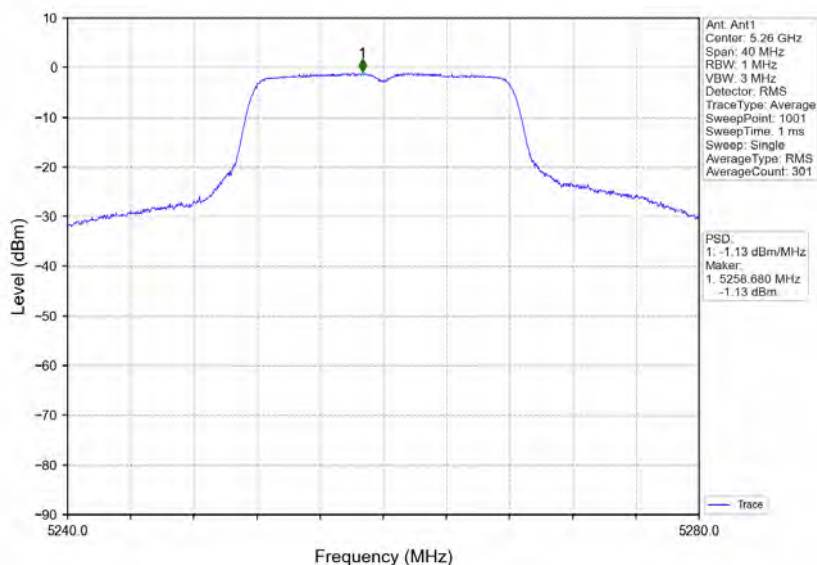
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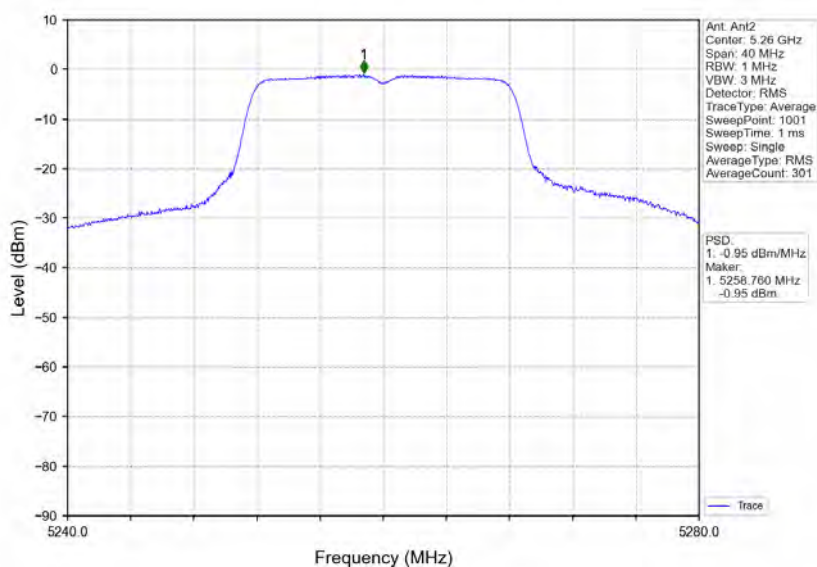
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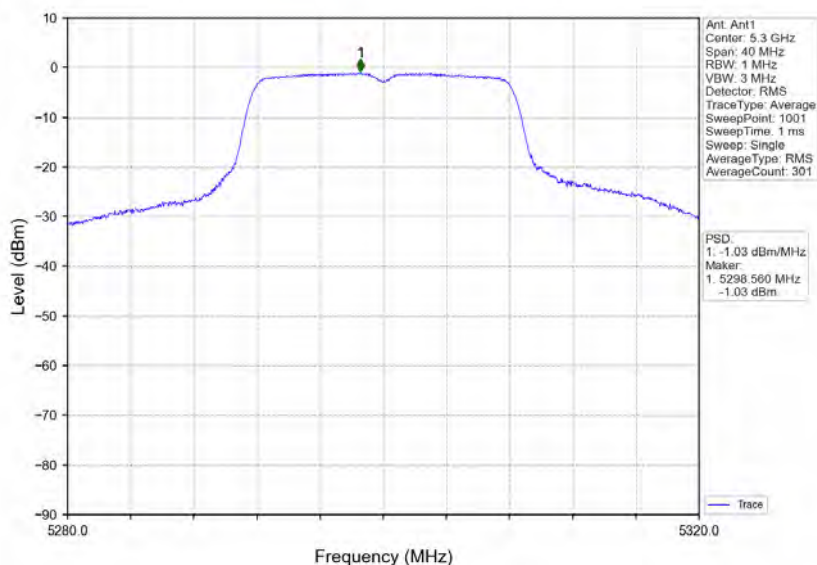
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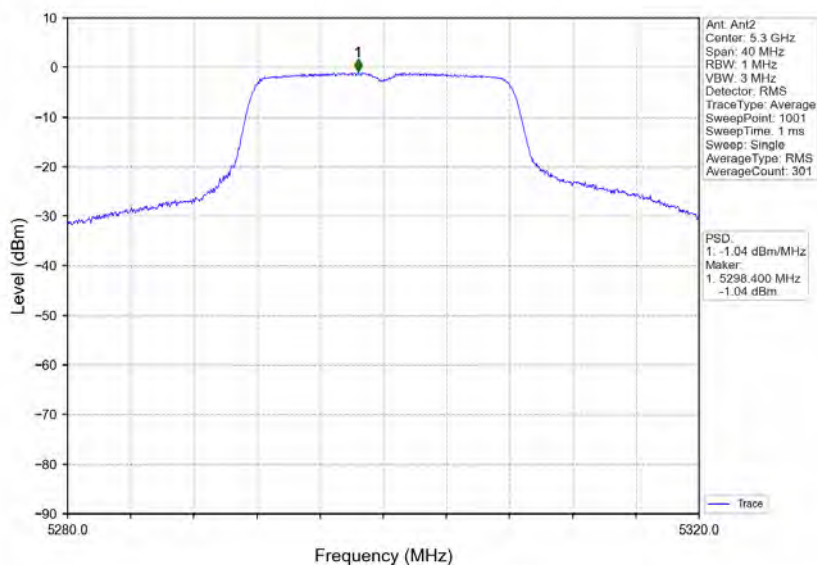
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802.11a_MCH_5300MHz_Ant1_NTNV



802.11a_MCH_5300MHz_Ant2_NTNV



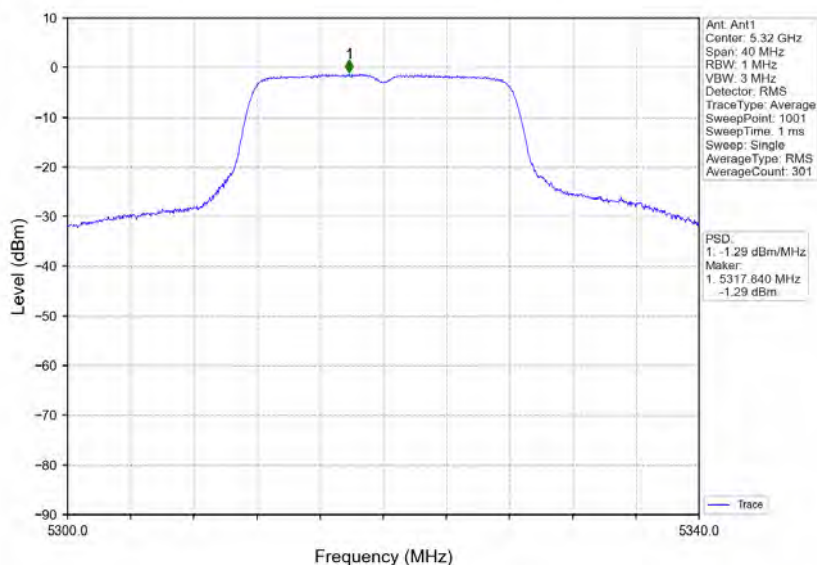
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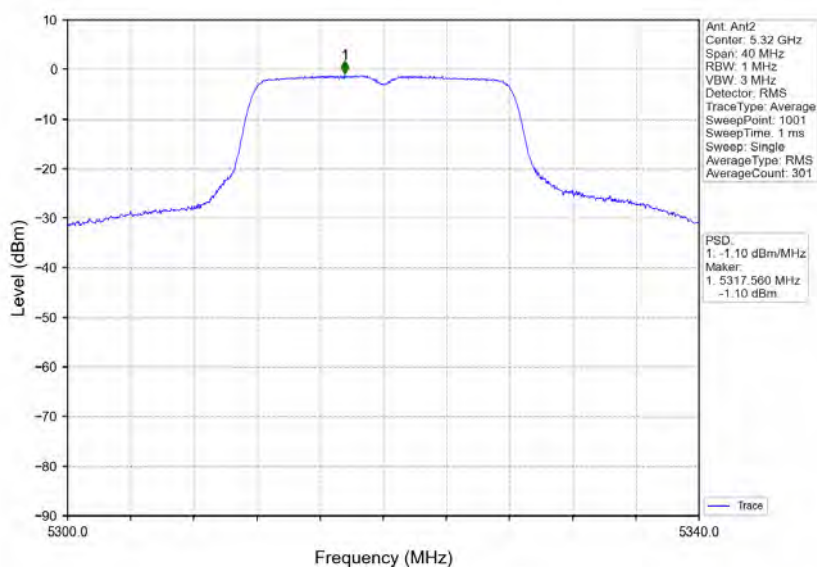
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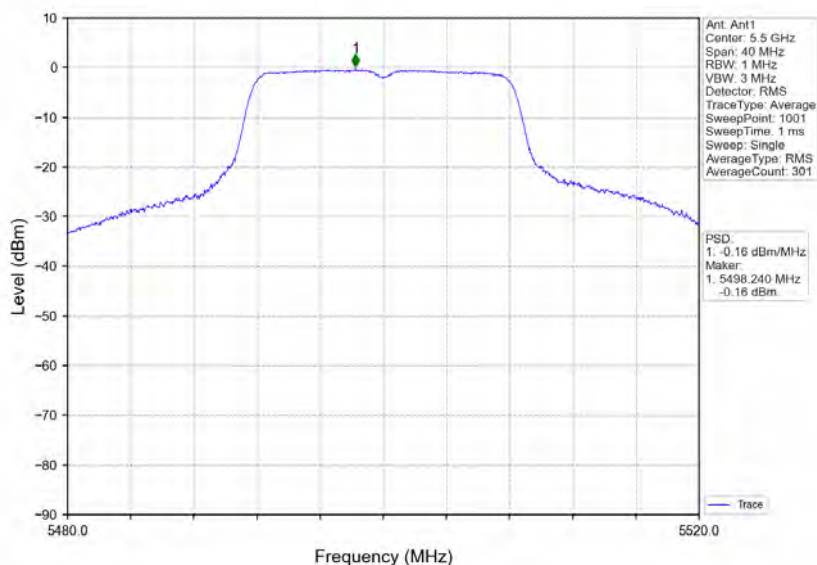
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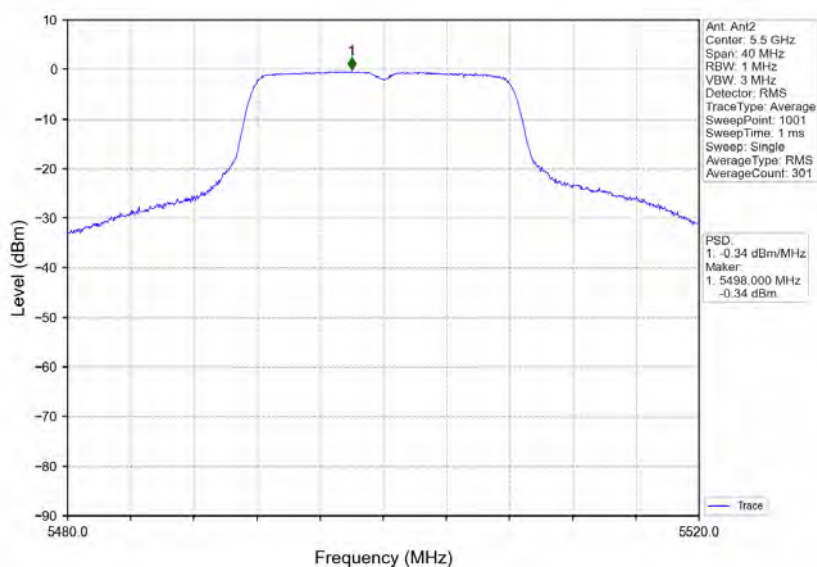
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802.11a LCH_5500MHz_Ant1_NTNV



802.11a LCH_5500MHz_Ant2_NTNV



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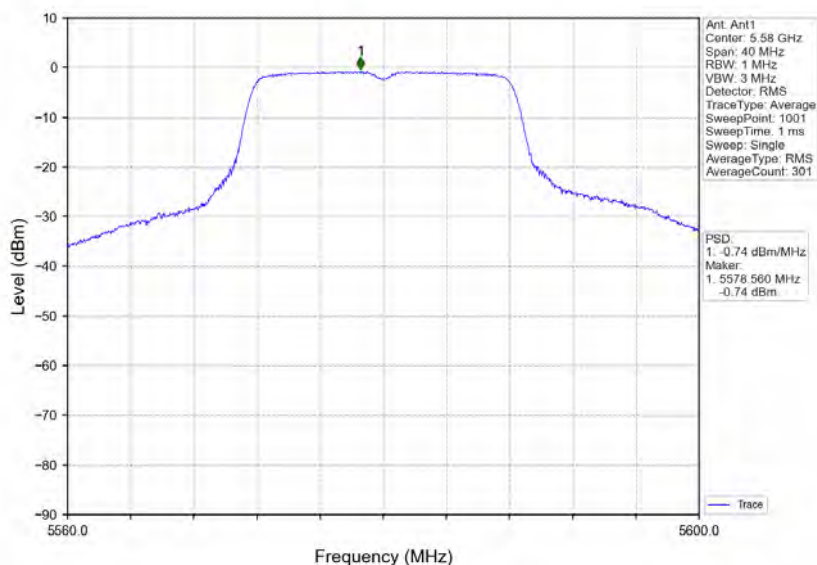
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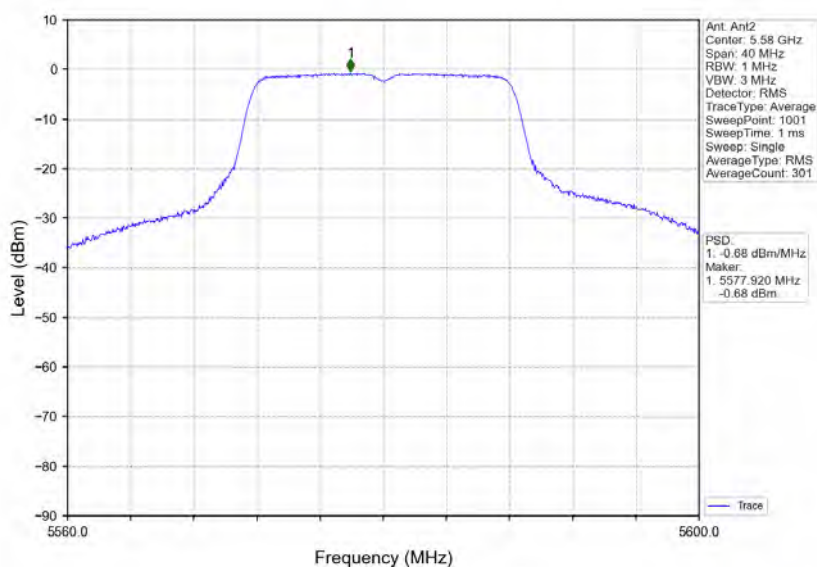
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802.11a_MCH_5580MHz_Ant1_NTNV



802.11a_MCH_5580MHz_Ant2_NTNV



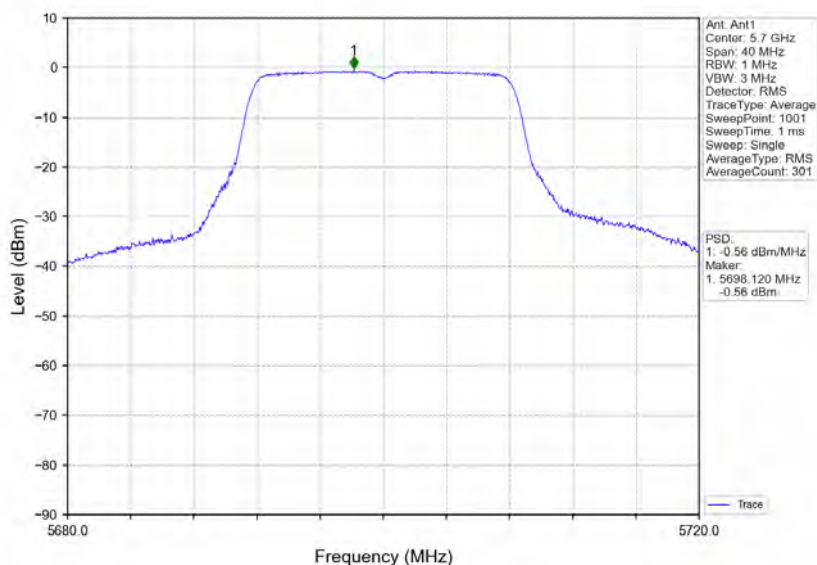
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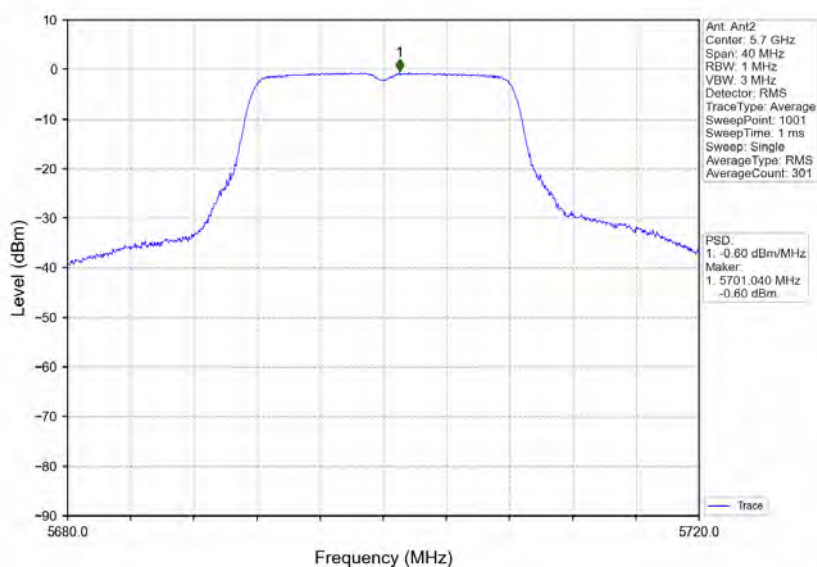
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802.11a_HCH_5700MHz_Ant1_NTNV



802.11a_HCH_5700MHz_Ant2_NTNV



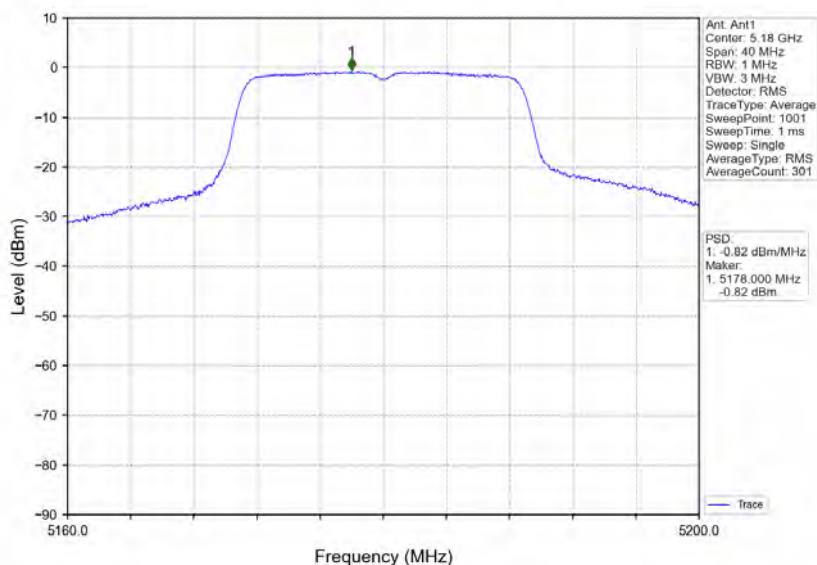
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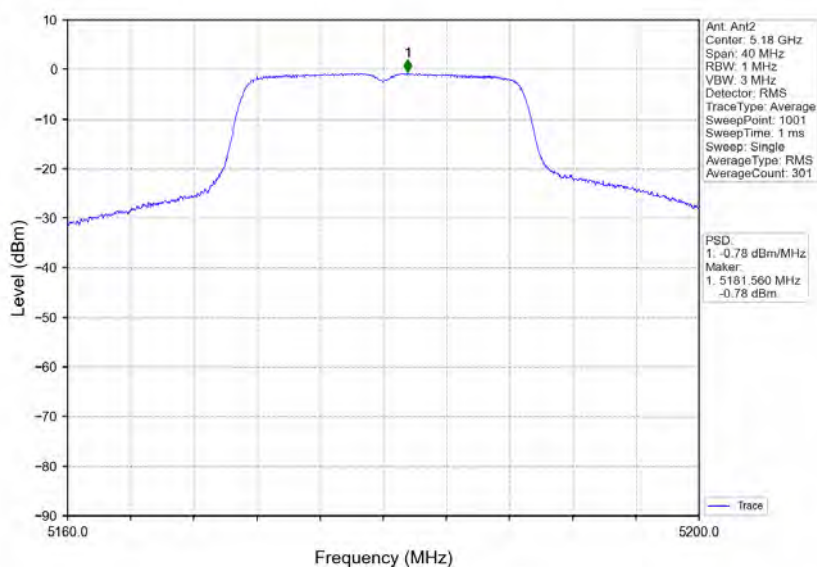
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802.11n(HT20) LCH 5180MHz Ant1 NTN



802.11n(HT20) LCH 5180MHz Ant2 NTN



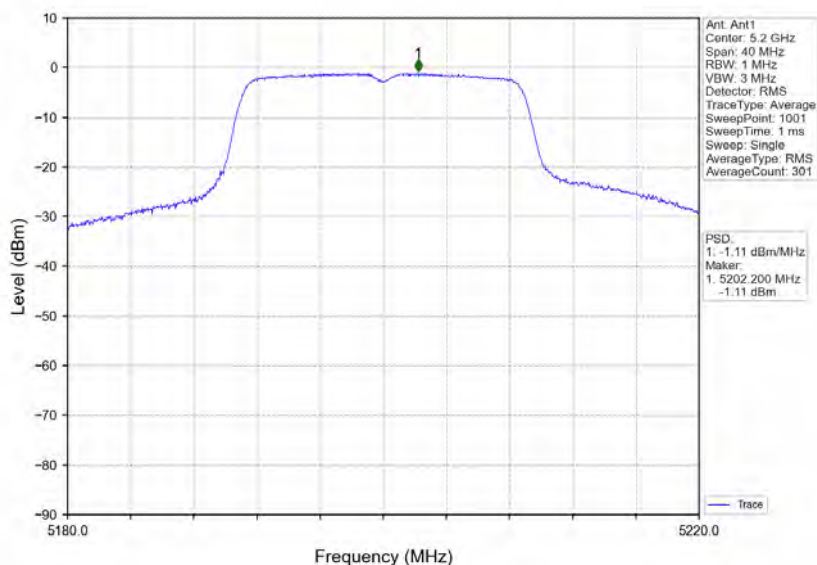
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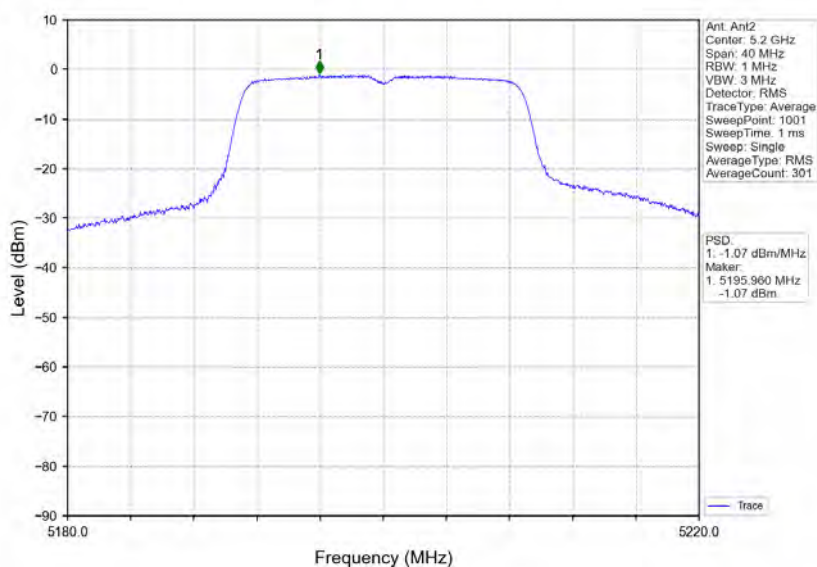
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802.11n(HT20) MCH 5200MHz Ant1 NTN



802.11n(HT20) MCH 5200MHz Ant2 NTN



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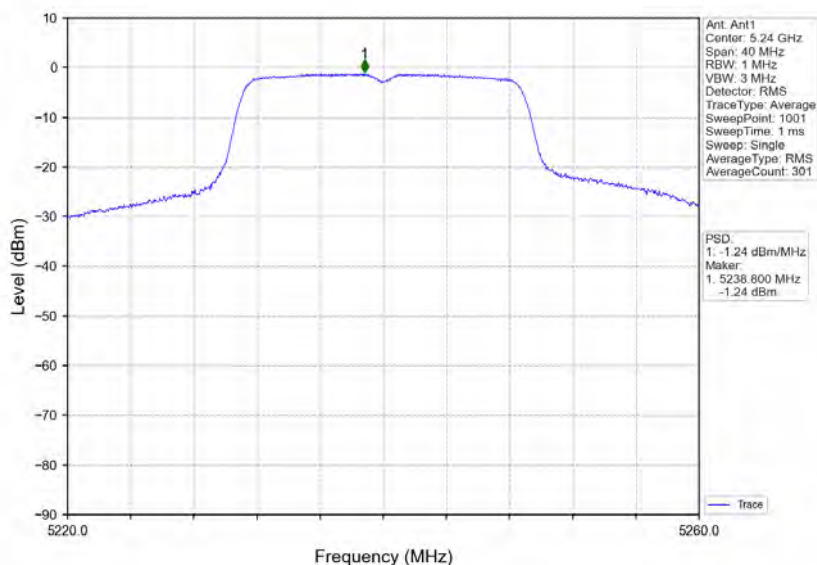
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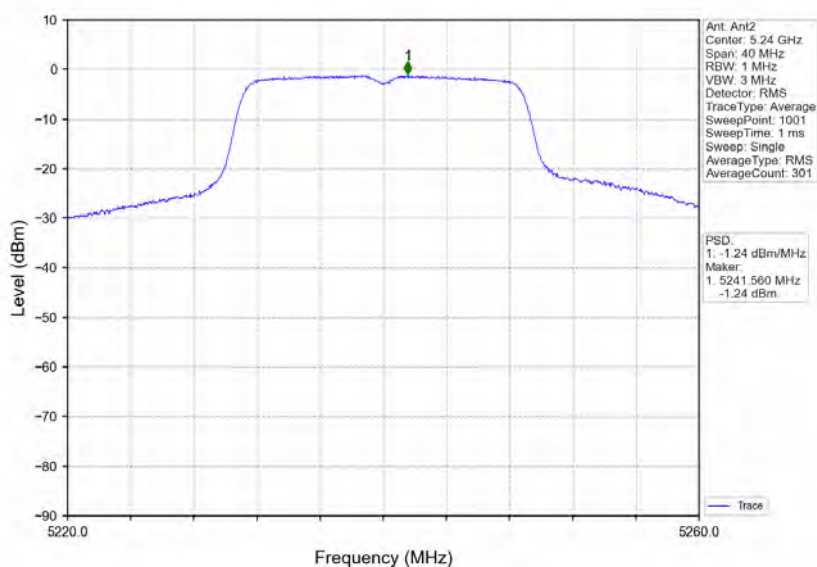
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802.11n(HT20) HCH 5240MHz Ant1 NTN



802.11n(HT20) HCH 5240MHz Ant2 NTN



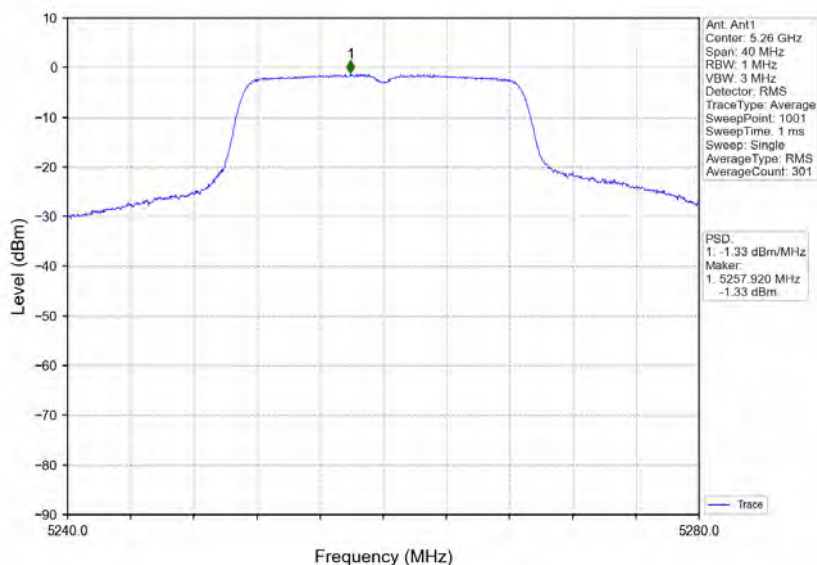
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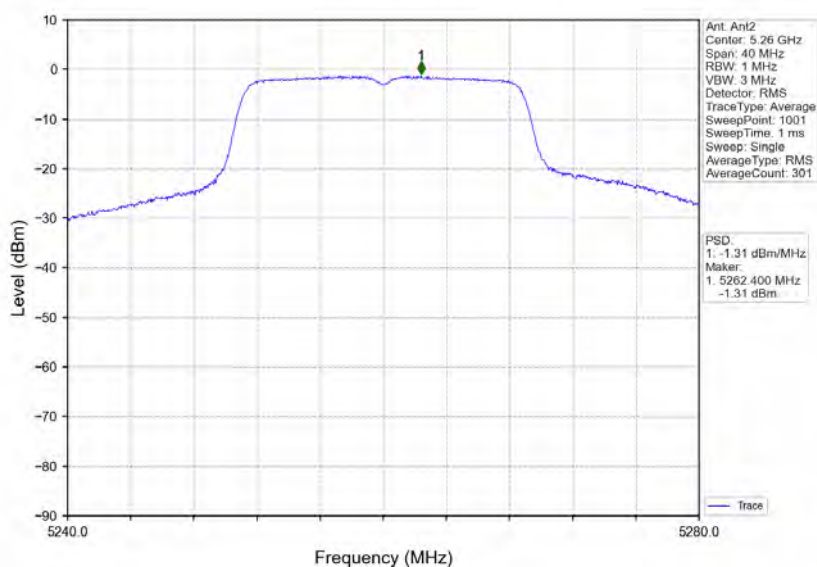
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802.11n(HT20) LCH 5260MHz Ant1 NTN



802.11n(HT20) LCH 5260MHz Ant2 NTN



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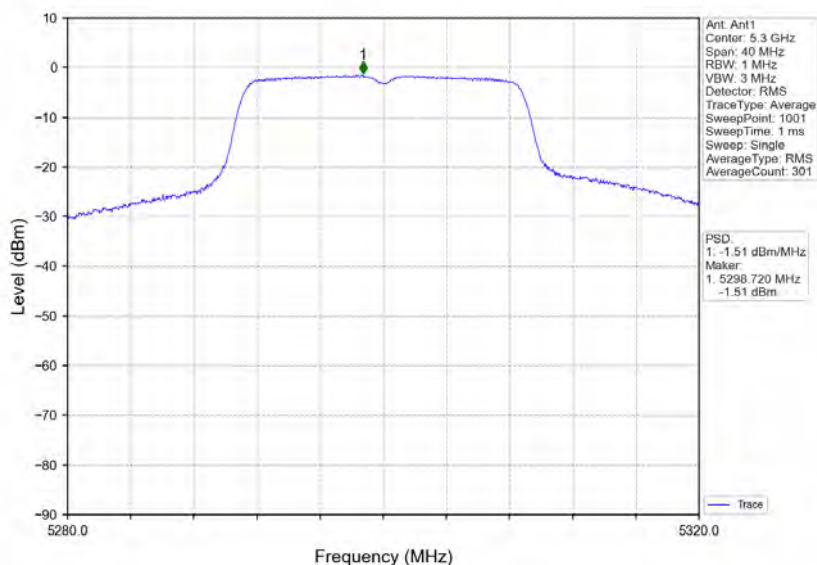
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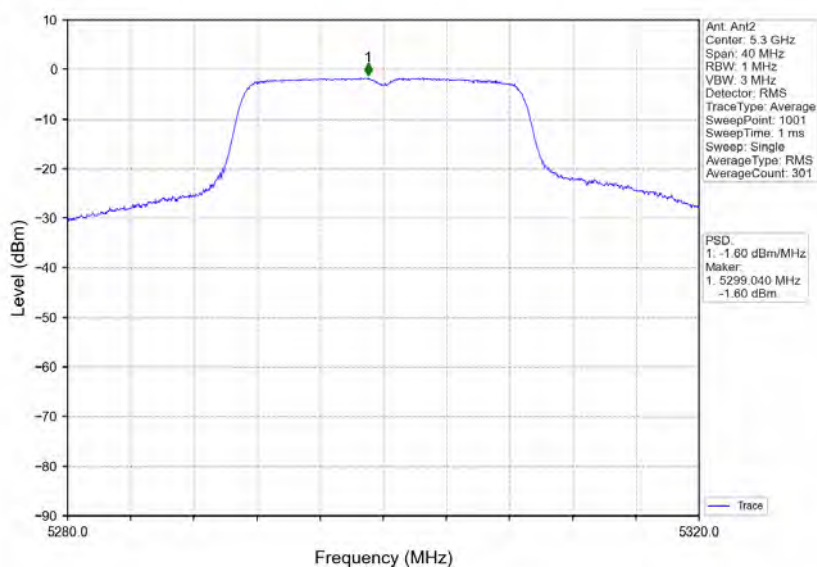
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802.11n(HT20) MCH 5300MHz Ant1 NTN



802.11n(HT20) MCH 5300MHz Ant2 NTN



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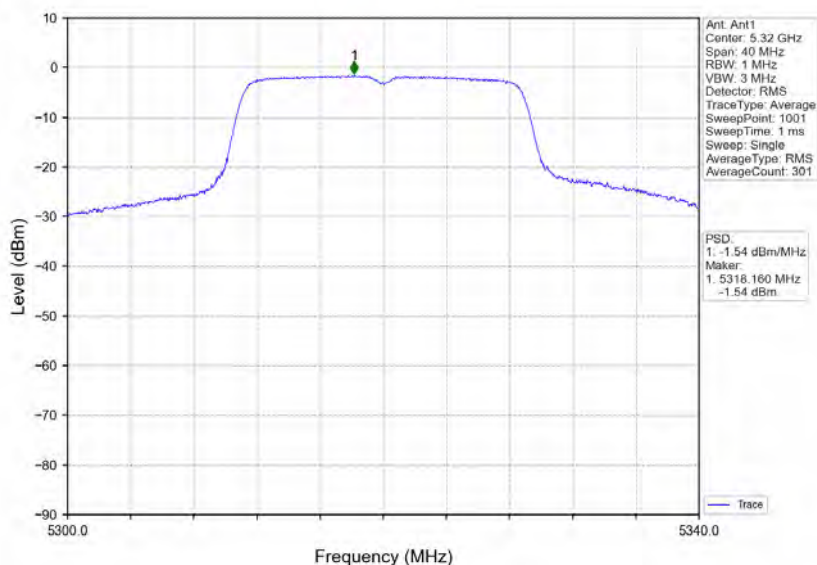
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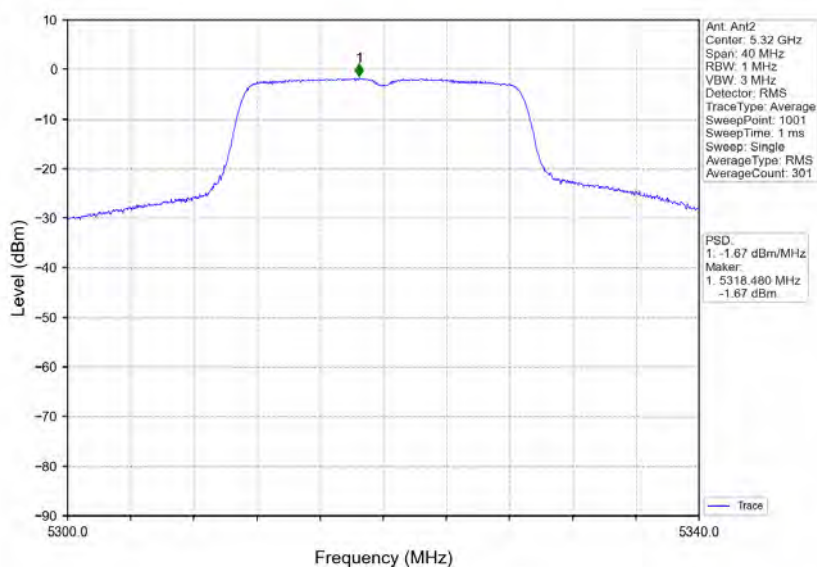
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802.11n(HT20) HCH 5320MHz Ant1 NTN



802.11n(HT20) HCH 5320MHz Ant2 NTN



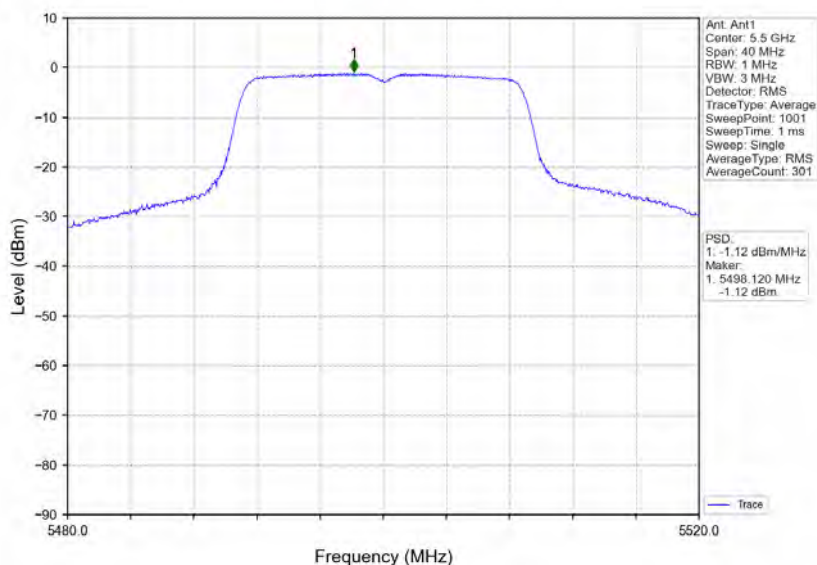
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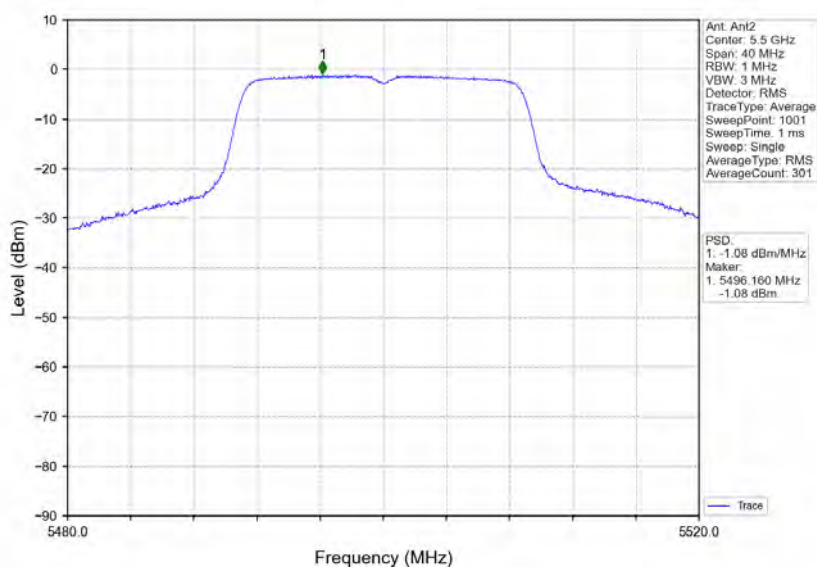
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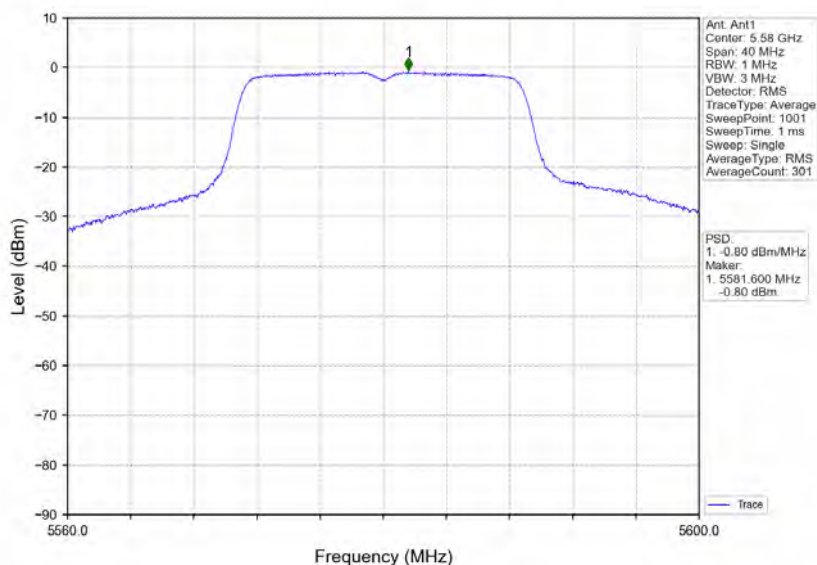
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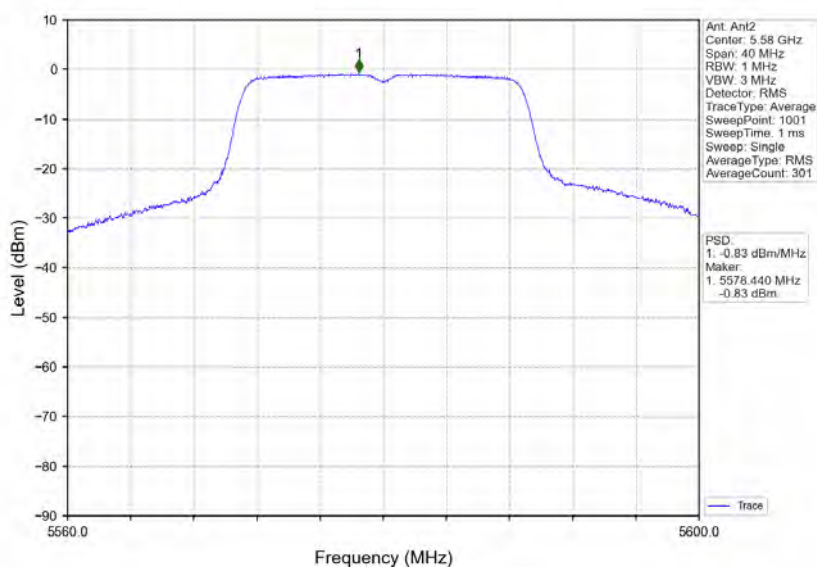
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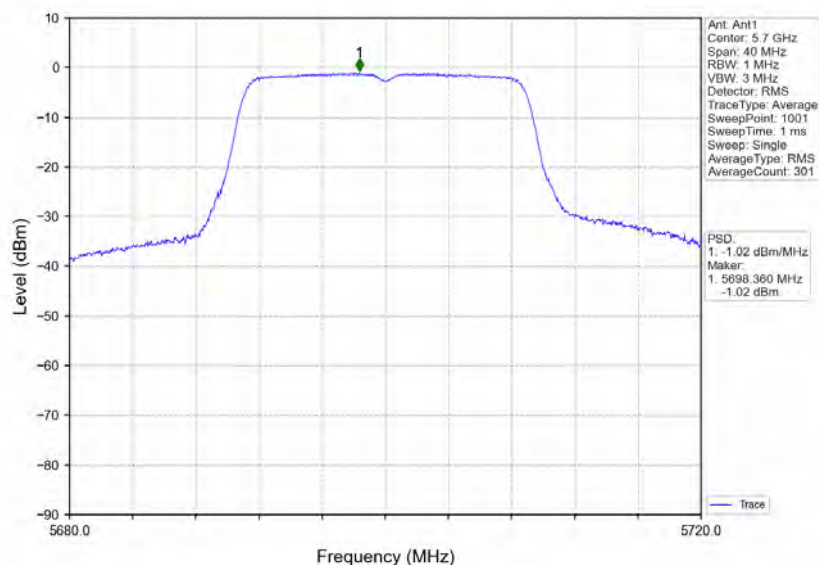
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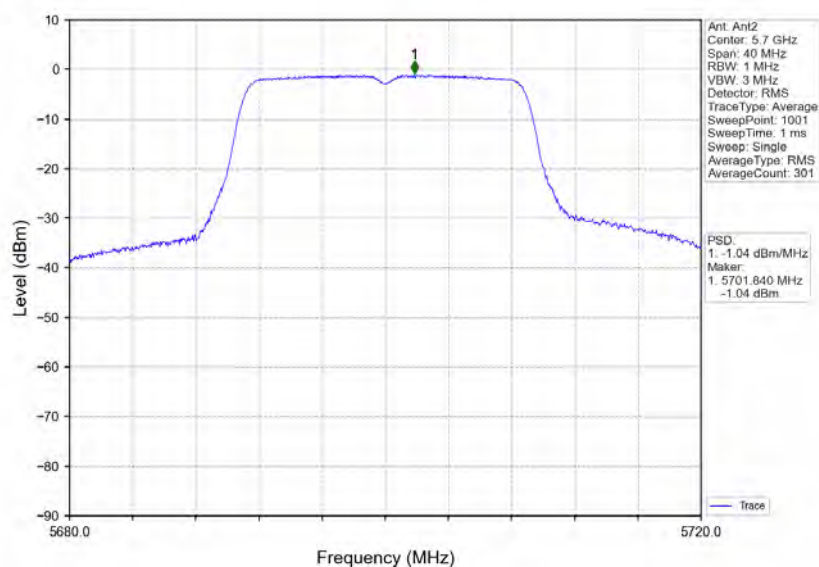
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802.11n(HT20) HCH 5700MHz Ant1 NTN



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4.2 PSD-Band3

4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)			Verdict
			Ant1	Ant2	Limit	
802.11a	SISO	5745	-3.44	-3.25	<=30	Pass
		5785	-3.98	-3.88	<=30	Pass
		5825	-3.35	-4.28	<=30	Pass
802.11n (HT20)	SISO	5745	-4.28	-4.28	<=30	Pass
		5785	-3.98	-3.91	<=30	Pass
		5825	-3.76	-3.78	<=30	Pass

Note1: Antenna Gain: Ant1: 2.99dBi; Ant2: 2.83dBi;



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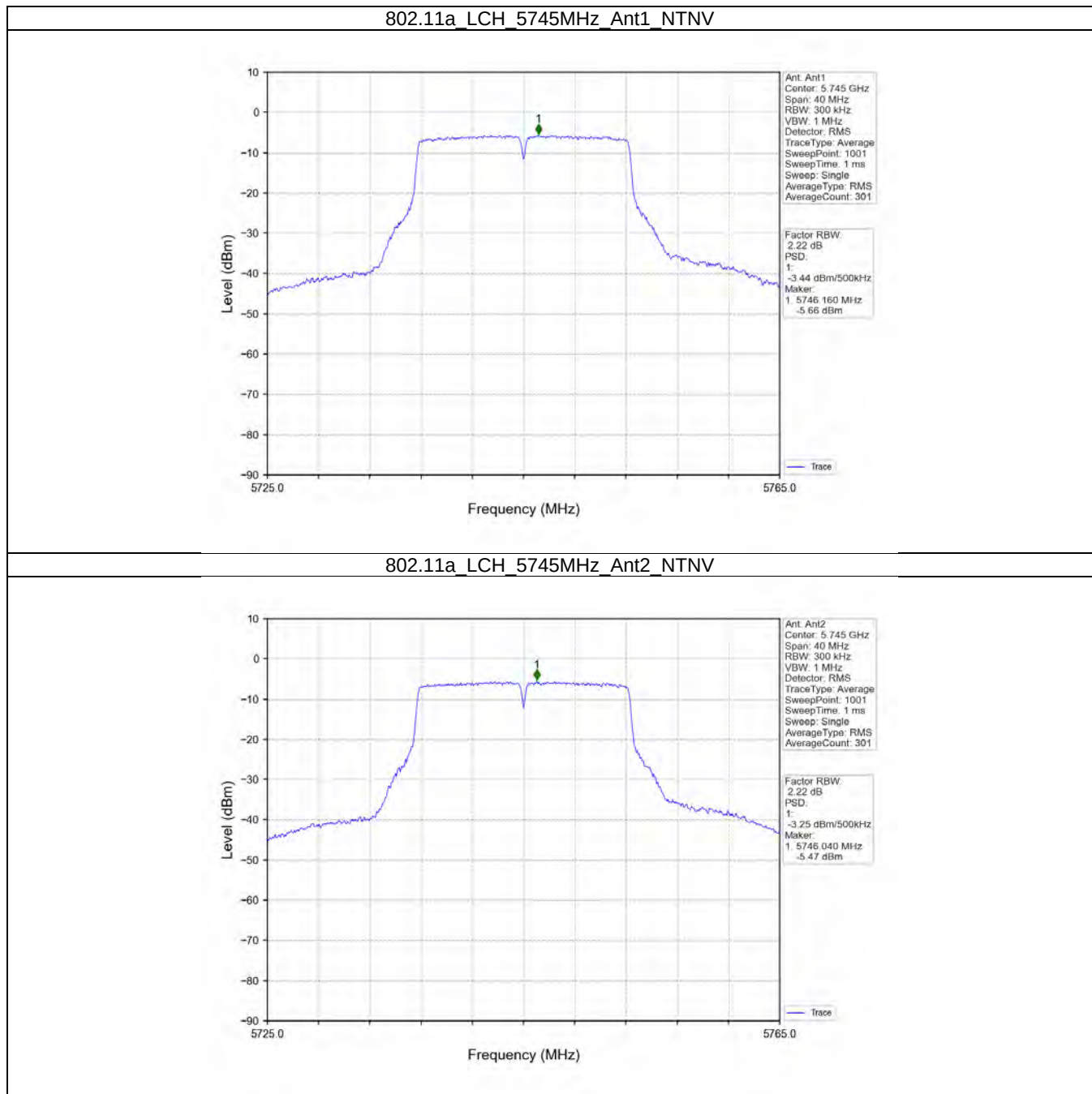
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4.2.2 Test Graph



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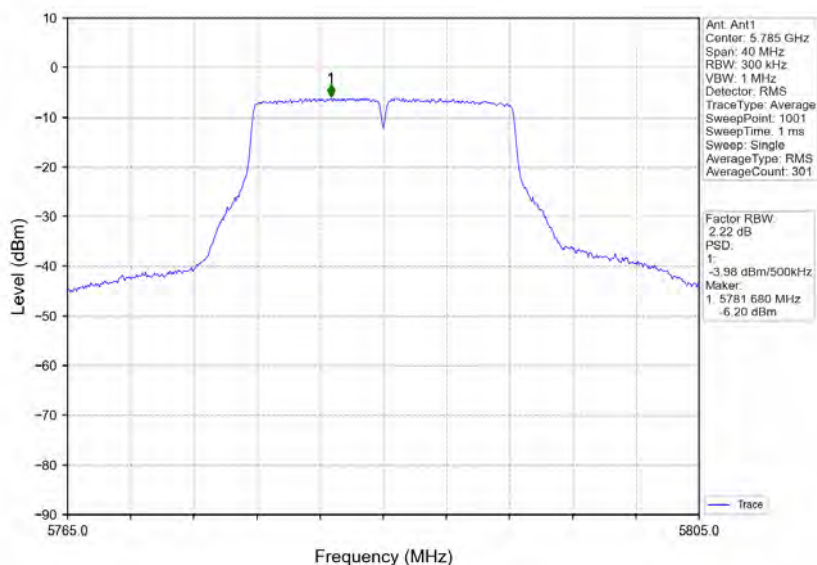
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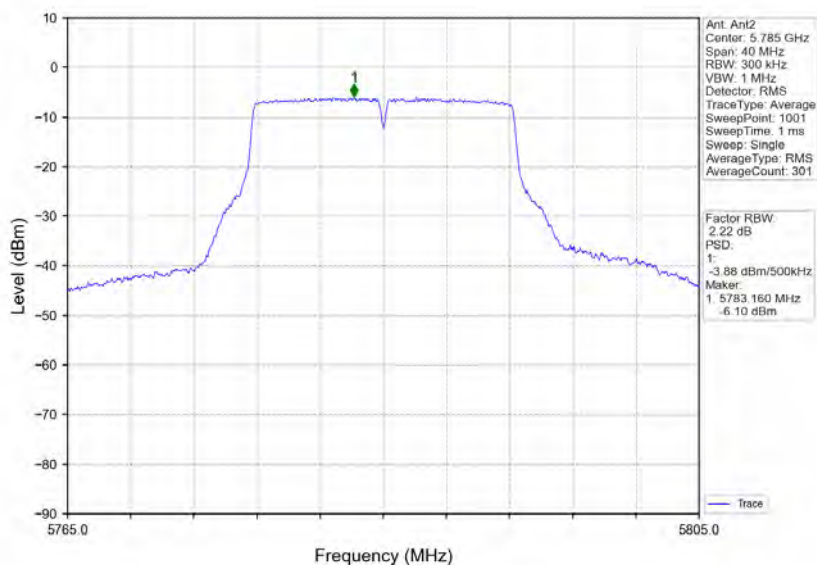
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802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_MCH_5785MHz_Ant2_NTNV



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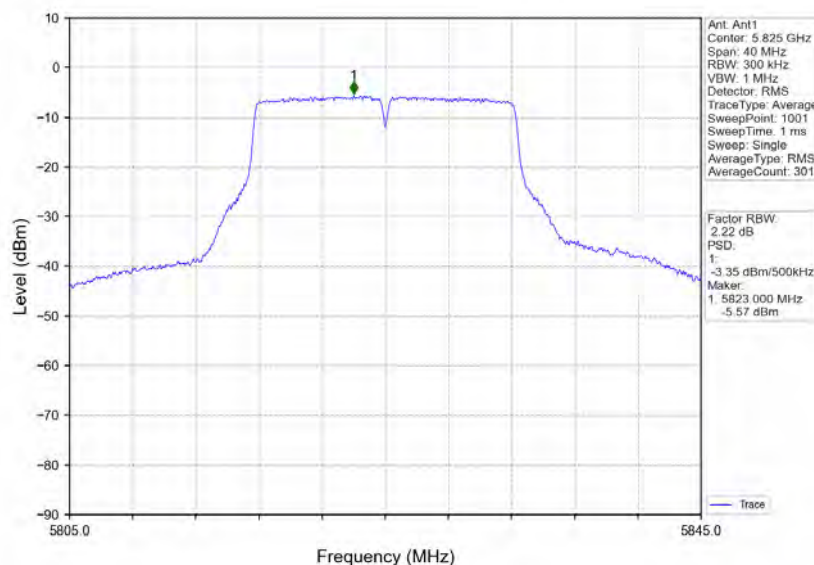
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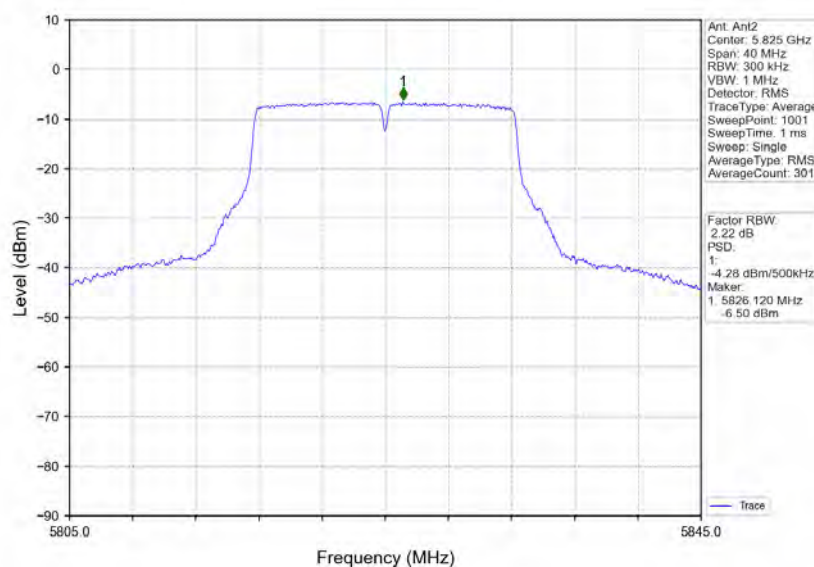
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802.11a_HCH_5825MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant2_NTNV



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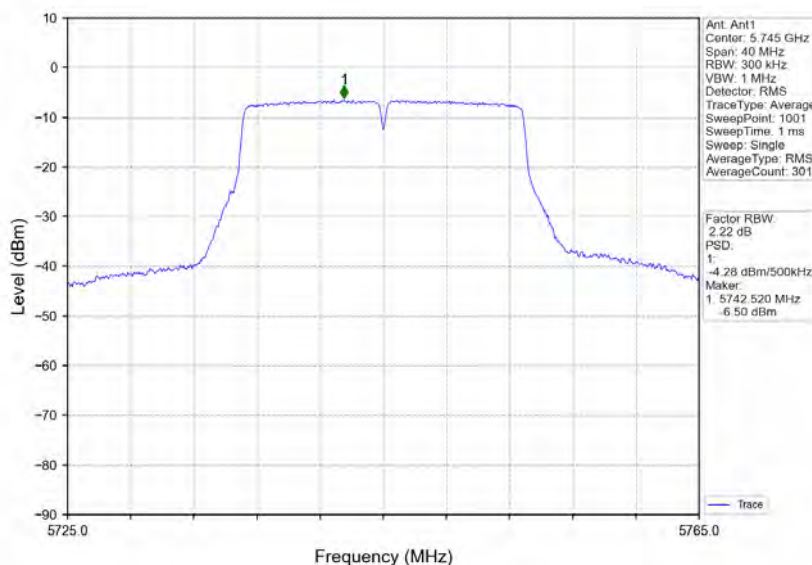
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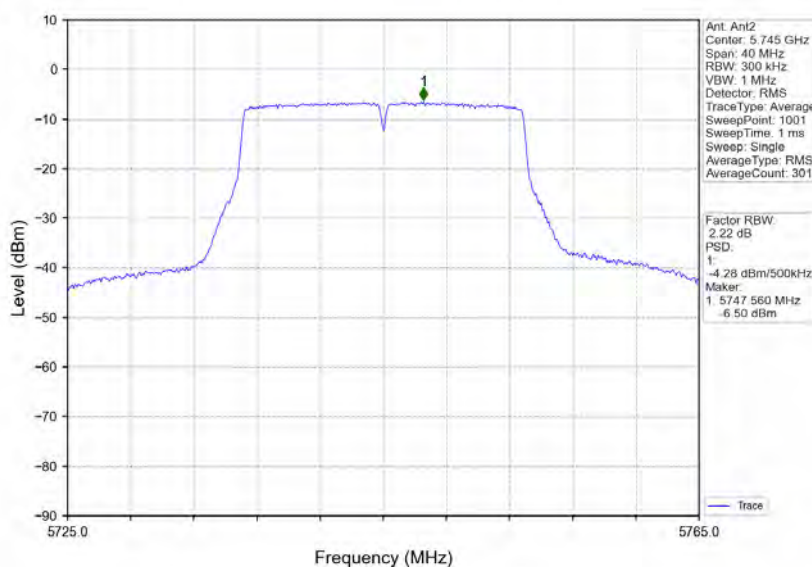
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802.11n(HT20) LCH 5745MHz Ant1 NTN



802.11n(HT20) LCH 5745MHz Ant2 NTN



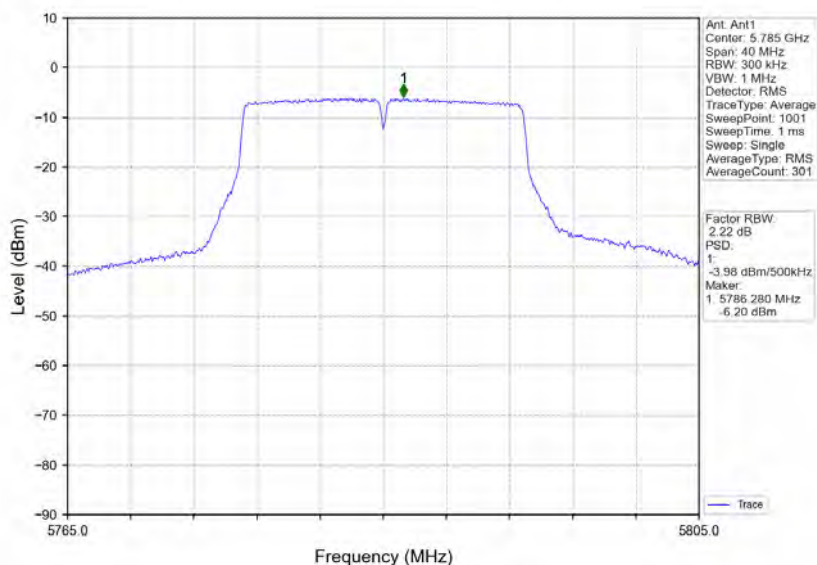
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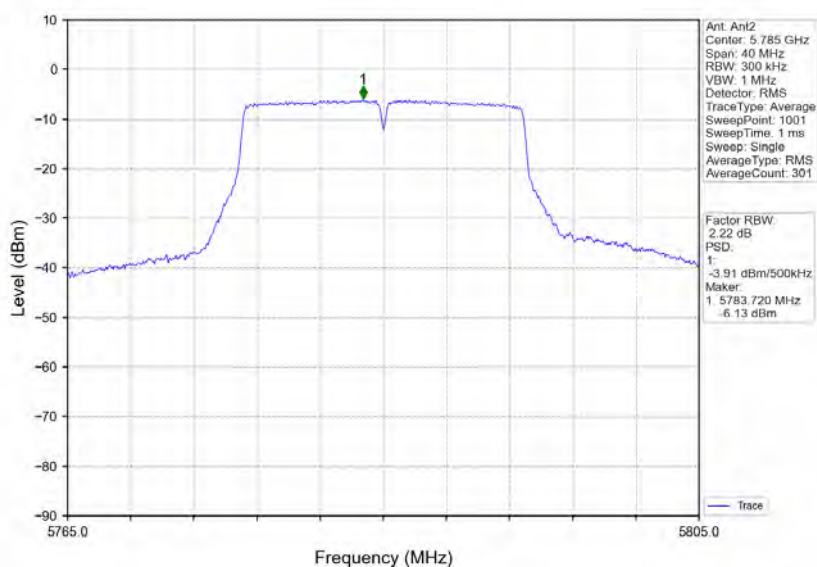
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802.11n(HT20) MCH 5785MHz Ant1 NTN



802.11n(HT20) MCH 5785MHz Ant2 NTN



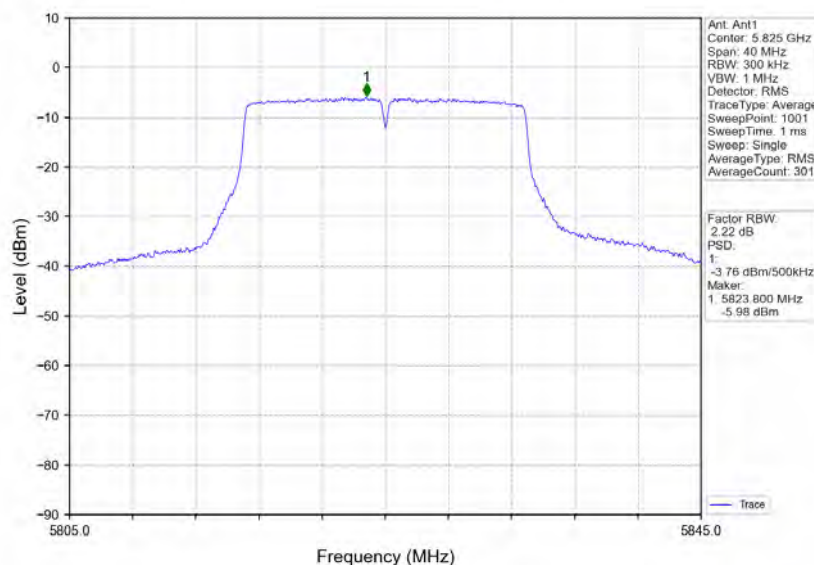
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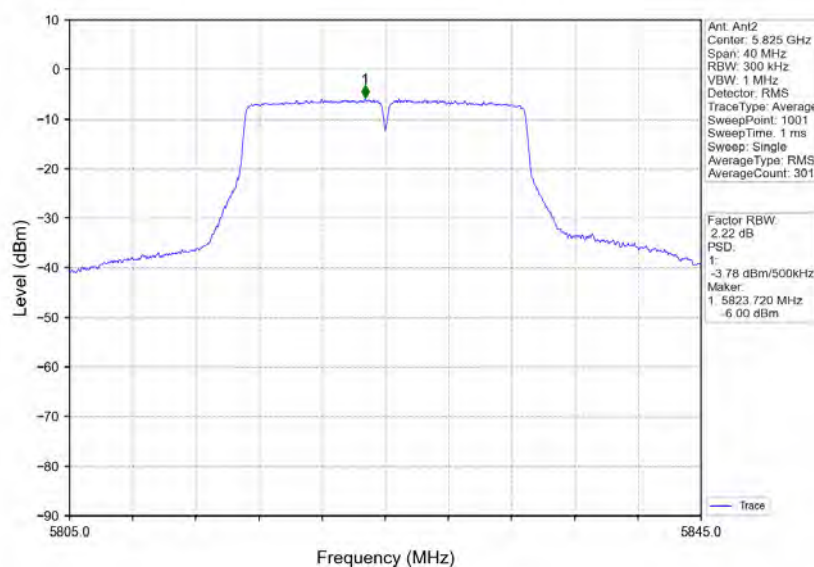
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802.11n(HT20) HCH 5825MHz Ant1 NTN



802.11n(HT20) HCH 5825MHz Ant2 NTN



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5. Frequency Stability

5.1 Ant1

5.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	20	102	5179.960	5150 to 5250	Pass
				120	5179.980	5150 to 5250	Pass
				138	5179.980	5150 to 5250	Pass
			-30	120	5180.000	5150 to 5250	Pass
			-20	120	5180.100	5150 to 5250	Pass
			-10	120	5180.020	5150 to 5250	Pass
			0	120	5180.020	5150 to 5250	Pass
			10	120	5180.020	5150 to 5250	Pass
			30	120	5179.960	5150 to 5250	Pass
			40	120	5179.960	5150 to 5250	Pass
			50	120	5180.020	5150 to 5250	Pass
		5200	20	102	5200.040	5150 to 5250	Pass
				120	5200.000	5150 to 5250	Pass
				138	5199.960	5150 to 5250	Pass
			-30	120	5200.020	5150 to 5250	Pass
			-20	120	5200.020	5150 to 5250	Pass
			-10	120	5200.040	5150 to 5250	Pass
			0	120	5200.100	5150 to 5250	Pass
			10	120	5200.000	5150 to 5250	Pass
			30	120	5200.020	5150 to 5250	Pass
			40	120	5200.000	5150 to 5250	Pass
			50	120	5199.960	5150 to 5250	Pass
		5240	20	102	5239.980	5150 to 5250	Pass
				120	5240.020	5150 to 5250	Pass
				138	5240.020	5150 to 5250	Pass
			-30	120	5240.060	5150 to 5250	Pass
			-20	120	5240.060	5150 to 5250	Pass
			-10	120	5239.940	5150 to 5250	Pass
			0	120	5239.940	5150 to 5250	Pass
			10	120	5239.960	5150 to 5250	Pass
			30	120	5240.000	5150 to 5250	Pass
			40	120	5240.060	5150 to 5250	Pass
			50	120	5240.000	5150 to 5250	Pass
		5260	20	102	5259.960	5250 to 5350	Pass
				120	5260.000	5250 to 5350	Pass
				138	5260.000	5250 to 5350	Pass
			-30	120	5260.040	5250 to 5350	Pass
			-20	120	5259.980	5250 to 5350	Pass
			-10	120	5260.000	5250 to 5350	Pass
			0	120	5260.040	5250 to 5350	Pass
			10	120	5260.020	5250 to 5350	Pass
			30	120	5260.040	5250 to 5350	Pass
			40	120	5260.000	5250 to 5350	Pass
			50	120	5260.020	5250 to 5350	Pass



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		5300	20	102	5300.080	5250 to 5350	Pass
				120	5299.980	5250 to 5350	Pass
				138	5300.000	5250 to 5350	Pass
			-30	120	5300.040	5250 to 5350	Pass
			-20	120	5300.000	5250 to 5350	Pass
			-10	120	5299.940	5250 to 5350	Pass
			0	120	5300.020	5250 to 5350	Pass
			10	120	5299.940	5250 to 5350	Pass
			30	120	5300.000	5250 to 5350	Pass
			40	120	5300.000	5250 to 5350	Pass
			50	120	5299.980	5250 to 5350	Pass
		5320	20	102	5320.020	5250 to 5350	Pass
				120	5319.960	5250 to 5350	Pass
				138	5319.980	5250 to 5350	Pass
			-30	120	5319.960	5250 to 5350	Pass
			-20	120	5320.060	5250 to 5350	Pass
			-10	120	5320.020	5250 to 5350	Pass
			0	120	5319.980	5250 to 5350	Pass
			10	120	5320.000	5250 to 5350	Pass
			30	120	5319.920	5250 to 5350	Pass
			40	120	5320.020	5250 to 5350	Pass
			50	120	5320.020	5250 to 5350	Pass
		5500	20	102	5500.020	5470 to 5725	Pass
				120	5500.000	5470 to 5725	Pass
				138	5499.940	5470 to 5725	Pass
			-30	120	5500.000	5470 to 5725	Pass
			-20	120	5500.020	5470 to 5725	Pass
			-10	120	5500.080	5470 to 5725	Pass
			0	120	5499.980	5470 to 5725	Pass
			10	120	5500.020	5470 to 5725	Pass
			30	120	5499.980	5470 to 5725	Pass
			40	120	5500.020	5470 to 5725	Pass
			50	120	5500.040	5470 to 5725	Pass
		5580	20	102	5579.960	5470 to 5725	Pass
				120	5579.980	5470 to 5725	Pass
				138	5580.000	5470 to 5725	Pass
			-30	120	5580.080	5470 to 5725	Pass
			-20	120	5579.980	5470 to 5725	Pass
			-10	120	5580.020	5470 to 5725	Pass
			0	120	5579.940	5470 to 5725	Pass
			10	120	5579.940	5470 to 5725	Pass
			30	120	5580.000	5470 to 5725	Pass
			40	120	5580.000	5470 to 5725	Pass
			50	120	5579.960	5470 to 5725	Pass
		5700	20	102	5699.940	5470 to 5725	Pass
				120	5699.980	5470 to 5725	Pass
				138	5699.940	5470 to 5725	Pass
			-30	120	5699.960	5470 to 5725	Pass
			-20	120	5700.020	5470 to 5725	Pass
			-10	120	5699.940	5470 to 5725	Pass
			0	120	5699.940	5470 to 5725	Pass
			10	120	5700.020	5470 to 5725	Pass
			30	120	5699.960	5470 to 5725	Pass
			40	120	5700.100	5470 to 5725	Pass



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		5745	50	120	5700.000	5470 to 5725	Pass
			20	102	5745.040	5725 to 5850	Pass
				120	5744.920	5725 to 5850	Pass
				138	5744.920	5725 to 5850	Pass
			-30	120	5745.020	5725 to 5850	Pass
			-20	120	5745.000	5725 to 5850	Pass
			-10	120	5745.020	5725 to 5850	Pass
			0	120	5745.000	5725 to 5850	Pass
			10	120	5745.020	5725 to 5850	Pass
			30	120	5744.940	5725 to 5850	Pass
			40	120	5744.960	5725 to 5850	Pass
			50	120	5744.980	5725 to 5850	Pass
		5785	20	102	5785.000	5725 to 5850	Pass
				120	5784.960	5725 to 5850	Pass
				138	5785.020	5725 to 5850	Pass
			-30	120	5785.000	5725 to 5850	Pass
			-20	120	5785.020	5725 to 5850	Pass
			-10	120	5784.980	5725 to 5850	Pass
			0	120	5785.040	5725 to 5850	Pass
			10	120	5784.980	5725 to 5850	Pass
			30	120	5785.040	5725 to 5850	Pass
			40	120	5784.960	5725 to 5850	Pass
			50	120	5784.960	5725 to 5850	Pass
		5825	20	102	5825.040	5725 to 5850	Pass
				120	5825.040	5725 to 5850	Pass
				138	5824.980	5725 to 5850	Pass
			-30	120	5825.040	5725 to 5850	Pass
			-20	120	5824.960	5725 to 5850	Pass
			-10	120	5824.940	5725 to 5850	Pass
			0	120	5825.040	5725 to 5850	Pass
			10	120	5824.980	5725 to 5850	Pass
			30	120	5825.060	5725 to 5850	Pass
			40	120	5825.080	5725 to 5850	Pass
			50	120	5824.920	5725 to 5850	Pass
802.11n (HT20)	SISO	5180	20	102	5180.000	5150 to 5250	Pass
				120	5179.980	5150 to 5250	Pass
				138	5180.060	5150 to 5250	Pass
			-30	120	5179.960	5150 to 5250	Pass
			-20	120	5180.080	5150 to 5250	Pass
			-10	120	5180.080	5150 to 5250	Pass
			0	120	5179.940	5150 to 5250	Pass
			10	120	5180.020	5150 to 5250	Pass
			30	120	5180.020	5150 to 5250	Pass
			40	120	5180.000	5150 to 5250	Pass
			50	120	5179.960	5150 to 5250	Pass
		5200	20	102	5199.940	5150 to 5250	Pass
				120	5200.020	5150 to 5250	Pass
				138	5199.960	5150 to 5250	Pass
			-30	120	5199.880	5150 to 5250	Pass
			-20	120	5200.000	5150 to 5250	Pass
			-10	120	5200.040	5150 to 5250	Pass
			0	120	5200.020	5150 to 5250	Pass
			10	120	5199.960	5150 to 5250	Pass
			30	120	5200.000	5150 to 5250	Pass



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			40	120	5200.060	5150 to 5250	Pass
			50	120	5200.000	5150 to 5250	Pass
		5240	20	102	5240.000	5150 to 5250	Pass
				120	5239.960	5150 to 5250	Pass
				138	5240.000	5150 to 5250	Pass
			-30	120	5239.980	5150 to 5250	Pass
			-20	120	5240.080	5150 to 5250	Pass
			-10	120	5240.020	5150 to 5250	Pass
			0	120	5239.940	5150 to 5250	Pass
			10	120	5240.000	5150 to 5250	Pass
			30	120	5239.940	5150 to 5250	Pass
			40	120	5239.980	5150 to 5250	Pass
			50	120	5240.000	5150 to 5250	Pass
		5260	20	102	5260.040	5250 to 5350	Pass
				120	5260.040	5250 to 5350	Pass
				138	5260.020	5250 to 5350	Pass
			-30	120	5259.980	5250 to 5350	Pass
			-20	120	5260.000	5250 to 5350	Pass
			-10	120	5259.980	5250 to 5350	Pass
			0	120	5260.020	5250 to 5350	Pass
			10	120	5259.920	5250 to 5350	Pass
			30	120	5260.080	5250 to 5350	Pass
			40	120	5260.020	5250 to 5350	Pass
			50	120	5260.000	5250 to 5350	Pass
		5300	20	102	5299.980	5250 to 5350	Pass
				120	5300.000	5250 to 5350	Pass
				138	5299.960	5250 to 5350	Pass
			-30	120	5300.000	5250 to 5350	Pass
			-20	120	5300.020	5250 to 5350	Pass
			-10	120	5299.960	5250 to 5350	Pass
			0	120	5300.120	5250 to 5350	Pass
			10	120	5299.980	5250 to 5350	Pass
			30	120	5300.080	5250 to 5350	Pass
			40	120	5300.060	5250 to 5350	Pass
			50	120	5300.040	5250 to 5350	Pass
		5320	20	102	5319.980	5250 to 5350	Pass
				120	5320.040	5250 to 5350	Pass
				138	5320.020	5250 to 5350	Pass
			-30	120	5319.940	5250 to 5350	Pass
			-20	120	5320.020	5250 to 5350	Pass
			-10	120	5320.060	5250 to 5350	Pass
			0	120	5319.960	5250 to 5350	Pass
			10	120	5320.040	5250 to 5350	Pass
			30	120	5319.900	5250 to 5350	Pass
			40	120	5319.980	5250 to 5350	Pass
			50	120	5319.940	5250 to 5350	Pass
		5500	20	102	5500.000	5470 to 5725	Pass
				120	5499.980	5470 to 5725	Pass
				138	5499.980	5470 to 5725	Pass
			-30	120	5500.020	5470 to 5725	Pass
			-20	120	5500.040	5470 to 5725	Pass
			-10	120	5500.100	5470 to 5725	Pass
			0	120	5500.040	5470 to 5725	Pass
			10	120	5500.000	5470 to 5725	Pass



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			30	120	5499.900	5470 to 5725	Pass
			40	120	5500.060	5470 to 5725	Pass
			50	120	5500.060	5470 to 5725	Pass
		5580	20	102	5579.980	5470 to 5725	Pass
				120	5580.000	5470 to 5725	Pass
				138	5579.980	5470 to 5725	Pass
			-30	120	5580.020	5470 to 5725	Pass
			-20	120	5580.060	5470 to 5725	Pass
			-10	120	5580.020	5470 to 5725	Pass
			0	120	5579.980	5470 to 5725	Pass
			10	120	5579.940	5470 to 5725	Pass
			30	120	5580.020	5470 to 5725	Pass
			40	120	5580.000	5470 to 5725	Pass
			50	120	5579.960	5470 to 5725	Pass
		5700	20	102	5700.020	5470 to 5725	Pass
				120	5699.900	5470 to 5725	Pass
				138	5699.960	5470 to 5725	Pass
			-30	120	5700.060	5470 to 5725	Pass
			-20	120	5699.980	5470 to 5725	Pass
			-10	120	5700.060	5470 to 5725	Pass
			0	120	5699.900	5470 to 5725	Pass
			10	120	5700.060	5470 to 5725	Pass
			30	120	5699.980	5470 to 5725	Pass
			40	120	5699.980	5470 to 5725	Pass
			50	120	5699.960	5470 to 5725	Pass
		5745	20	102	5745.040	5725 to 5850	Pass
				120	5744.980	5725 to 5850	Pass
				138	5745.020	5725 to 5850	Pass
			-30	120	5745.000	5725 to 5850	Pass
			-20	120	5745.020	5725 to 5850	Pass
			-10	120	5745.020	5725 to 5850	Pass
			0	120	5745.060	5725 to 5850	Pass
			10	120	5745.000	5725 to 5850	Pass
			30	120	5745.020	5725 to 5850	Pass
			40	120	5745.000	5725 to 5850	Pass
			50	120	5745.060	5725 to 5850	Pass
		5785	20	102	5784.980	5725 to 5850	Pass
				120	5785.000	5725 to 5850	Pass
				138	5784.940	5725 to 5850	Pass
			-30	120	5784.980	5725 to 5850	Pass
			-20	120	5784.940	5725 to 5850	Pass
			-10	120	5785.040	5725 to 5850	Pass
			0	120	5785.020	5725 to 5850	Pass
			10	120	5785.000	5725 to 5850	Pass
			30	120	5784.960	5725 to 5850	Pass
			40	120	5785.020	5725 to 5850	Pass
			50	120	5785.020	5725 to 5850	Pass
		5825	20	102	5825.040	5725 to 5850	Pass
				120	5824.980	5725 to 5850	Pass
				138	5825.000	5725 to 5850	Pass
			-30	120	5824.980	5725 to 5850	Pass
			-20	120	5824.940	5725 to 5850	Pass
			-10	120	5824.980	5725 to 5850	Pass
			0	120	5824.980	5725 to 5850	Pass



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		10	120	5825.000	5725 to 5850	Pass
		30	120	5825.000	5725 to 5850	Pass
		40	120	5824.960	5725 to 5850	Pass
		50	120	5825.120	5725 to 5850	Pass

5.2 Ant2

5.2.1 Test Result

Ant2							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	20	102	5179.980	5150 to 5250	Pass
				120	5180.100	5150 to 5250	Pass
				138	5180.040	5150 to 5250	Pass
			-30	120	5179.960	5150 to 5250	Pass
				120	5180.080	5150 to 5250	Pass
				120	5179.980	5150 to 5250	Pass
			-20	120	5180.080	5150 to 5250	Pass
				120	5180.000	5150 to 5250	Pass
				120	5180.000	5150 to 5250	Pass
			-10	120	5180.000	5150 to 5250	Pass
				120	5180.000	5150 to 5250	Pass
				120	5180.060	5150 to 5250	Pass
		5200	20	102	5199.980	5150 to 5250	Pass
				120	5200.040	5150 to 5250	Pass
				138	5199.980	5150 to 5250	Pass
			-30	120	5200.040	5150 to 5250	Pass
				120	5200.000	5150 to 5250	Pass
				120	5200.040	5150 to 5250	Pass
			-20	120	5199.980	5150 to 5250	Pass
				120	5200.020	5150 to 5250	Pass
				120	5200.000	5150 to 5250	Pass
			-10	120	5200.000	5150 to 5250	Pass
				120	5200.000	5150 to 5250	Pass
				120	5199.980	5150 to 5250	Pass
		5240	20	102	5240.000	5150 to 5250	Pass
				120	5240.040	5150 to 5250	Pass
				138	5240.080	5150 to 5250	Pass
			-30	120	5240.000	5150 to 5250	Pass
				120	5240.000	5150 to 5250	Pass
				120	5240.020	5150 to 5250	Pass
			-20	120	5240.000	5150 to 5250	Pass
				120	5239.980	5150 to 5250	Pass
				120	5240.100	5150 to 5250	Pass
			-10	120	5240.000	5150 to 5250	Pass
				120	5240.000	5150 to 5250	Pass
				120	5240.020	5150 to 5250	Pass
		5260	20	102	5259.960	5250 to 5350	Pass
				120	5259.980	5250 to 5350	Pass
				138	5260.000	5250 to 5350	Pass
			-30	120	5260.060	5250 to 5350	Pass
				120	5259.980	5250 to 5350	Pass
				120	5259.980	5250 to 5350	Pass
			-10	120	5259.980	5250 to 5350	Pass
				120	5259.980	5250 to 5350	Pass



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			10	120	5260.060	5250 to 5350	Pass
			30	120	5260.000	5250 to 5350	Pass
			40	120	5259.980	5250 to 5350	Pass
			50	120	5260.080	5250 to 5350	Pass
		5300	20	102	5300.040	5250 to 5350	Pass
				120	5300.000	5250 to 5350	Pass
				138	5300.040	5250 to 5350	Pass
			-30	120	5300.060	5250 to 5350	Pass
			-20	120	5300.020	5250 to 5350	Pass
			-10	120	5300.000	5250 to 5350	Pass
			0	120	5300.060	5250 to 5350	Pass
			10	120	5299.920	5250 to 5350	Pass
			30	120	5299.960	5250 to 5350	Pass
			40	120	5299.980	5250 to 5350	Pass
			50	120	5300.040	5250 to 5350	Pass
			5320	20	102	5320.020	5250 to 5350
		120			5319.980	5250 to 5350	Pass
		138			5319.980	5250 to 5350	Pass
		-30		120	5320.100	5250 to 5350	Pass
		-20		120	5320.020	5250 to 5350	Pass
		-10		120	5320.020	5250 to 5350	Pass
		0		120	5320.000	5250 to 5350	Pass
		10		120	5320.020	5250 to 5350	Pass
		30		120	5320.020	5250 to 5350	Pass
		40		120	5319.960	5250 to 5350	Pass
		50		120	5319.980	5250 to 5350	Pass
		5500		20	102	5500.020	5470 to 5725
			120		5499.980	5470 to 5725	Pass
			138		5499.900	5470 to 5725	Pass
			-30	120	5499.940	5470 to 5725	Pass
			-20	120	5500.020	5470 to 5725	Pass
			-10	120	5500.040	5470 to 5725	Pass
			0	120	5499.960	5470 to 5725	Pass
			10	120	5500.020	5470 to 5725	Pass
			30	120	5499.960	5470 to 5725	Pass
			40	120	5499.960	5470 to 5725	Pass
			50	120	5499.940	5470 to 5725	Pass
			5580	20	102	5580.080	5470 to 5725
		120			5579.920	5470 to 5725	Pass
		138			5579.980	5470 to 5725	Pass
		-30		120	5580.000	5470 to 5725	Pass
		-20		120	5580.000	5470 to 5725	Pass
		-10		120	5579.980	5470 to 5725	Pass
		0		120	5579.980	5470 to 5725	Pass
		10		120	5579.920	5470 to 5725	Pass
		30		120	5580.000	5470 to 5725	Pass
		40		120	5580.080	5470 to 5725	Pass
		50		120	5580.040	5470 to 5725	Pass
		5700		20	102	5699.980	5470 to 5725
			120		5700.020	5470 to 5725	Pass
			138		5699.980	5470 to 5725	Pass
			-30	120	5700.060	5470 to 5725	Pass
-20	120		5700.040	5470 to 5725	Pass		
-10	120		5699.980	5470 to 5725	Pass		



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			0	120	5700.000	5470 to 5725	Pass
			10	120	5700.060	5470 to 5725	Pass
			30	120	5700.040	5470 to 5725	Pass
			40	120	5700.040	5470 to 5725	Pass
			50	120	5700.000	5470 to 5725	Pass
		5745	20	102	5745.060	5725 to 5850	Pass
				120	5745.060	5725 to 5850	Pass
				138	5745.040	5725 to 5850	Pass
			-30	120	5745.060	5725 to 5850	Pass
			-20	120	5745.040	5725 to 5850	Pass
			-10	120	5745.020	5725 to 5850	Pass
			0	120	5744.980	5725 to 5850	Pass
			10	120	5745.060	5725 to 5850	Pass
			30	120	5745.000	5725 to 5850	Pass
			40	120	5745.060	5725 to 5850	Pass
			50	120	5745.020	5725 to 5850	Pass
		5785	20	102	5785.000	5725 to 5850	Pass
				120	5784.980	5725 to 5850	Pass
				138	5784.960	5725 to 5850	Pass
			-30	120	5784.980	5725 to 5850	Pass
			-20	120	5785.000	5725 to 5850	Pass
			-10	120	5784.980	5725 to 5850	Pass
			0	120	5784.960	5725 to 5850	Pass
			10	120	5785.020	5725 to 5850	Pass
			30	120	5784.960	5725 to 5850	Pass
			40	120	5785.020	5725 to 5850	Pass
			50	120	5785.100	5725 to 5850	Pass
		5825	20	102	5825.020	5725 to 5850	Pass
				120	5825.020	5725 to 5850	Pass
				138	5824.980	5725 to 5850	Pass
			-30	120	5825.000	5725 to 5850	Pass
			-20	120	5825.000	5725 to 5850	Pass
			-10	120	5824.980	5725 to 5850	Pass
			0	120	5825.020	5725 to 5850	Pass
			10	120	5824.940	5725 to 5850	Pass
			30	120	5825.040	5725 to 5850	Pass
			40	120	5824.980	5725 to 5850	Pass
			50	120	5824.960	5725 to 5850	Pass
802.11n (HT20)	SISO	5180	20	102	5180.020	5150 to 5250	Pass
				120	5180.000	5150 to 5250	Pass
				138	5180.020	5150 to 5250	Pass
			-30	120	5180.040	5150 to 5250	Pass
			-20	120	5179.960	5150 to 5250	Pass
			-10	120	5180.000	5150 to 5250	Pass
			0	120	5179.960	5150 to 5250	Pass
			10	120	5180.040	5150 to 5250	Pass
			30	120	5180.080	5150 to 5250	Pass
			40	120	5180.000	5150 to 5250	Pass
			50	120	5179.980	5150 to 5250	Pass
		5200	20	102	5200.000	5150 to 5250	Pass
				120	5199.980	5150 to 5250	Pass
				138	5200.020	5150 to 5250	Pass
			-30	120	5200.000	5150 to 5250	Pass
			-20	120	5199.960	5150 to 5250	Pass



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Testing Center Electronic Technical

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			-10	120	5200.000	5150 to 5250	Pass
			0	120	5200.040	5150 to 5250	Pass
			10	120	5199.960	5150 to 5250	Pass
			30	120	5199.980	5150 to 5250	Pass
			40	120	5200.060	5150 to 5250	Pass
			50	120	5199.920	5150 to 5250	Pass
		5240	20	102	5239.940	5150 to 5250	Pass
				120	5240.040	5150 to 5250	Pass
				138	5240.000	5150 to 5250	Pass
			-30	120	5240.020	5150 to 5250	Pass
			-20	120	5239.980	5150 to 5250	Pass
			-10	120	5240.020	5150 to 5250	Pass
			0	120	5240.040	5150 to 5250	Pass
			10	120	5240.000	5150 to 5250	Pass
			30	120	5240.020	5150 to 5250	Pass
			40	120	5239.980	5150 to 5250	Pass
			50	120	5240.100	5150 to 5250	Pass
		5260	20	102	5260.040	5250 to 5350	Pass
				120	5259.920	5250 to 5350	Pass
				138	5260.060	5250 to 5350	Pass
			-30	120	5260.000	5250 to 5350	Pass
			-20	120	5260.100	5250 to 5350	Pass
			-10	120	5259.980	5250 to 5350	Pass
			0	120	5260.040	5250 to 5350	Pass
			10	120	5260.160	5250 to 5350	Pass
			30	120	5260.060	5250 to 5350	Pass
			40	120	5260.000	5250 to 5350	Pass
			50	120	5260.040	5250 to 5350	Pass
		5300	20	102	5300.000	5250 to 5350	Pass
				120	5299.960	5250 to 5350	Pass
				138	5300.040	5250 to 5350	Pass
			-30	120	5300.060	5250 to 5350	Pass
			-20	120	5299.980	5250 to 5350	Pass
			-10	120	5300.000	5250 to 5350	Pass
			0	120	5299.980	5250 to 5350	Pass
			10	120	5299.960	5250 to 5350	Pass
			30	120	5299.940	5250 to 5350	Pass
			40	120	5300.000	5250 to 5350	Pass
			50	120	5300.040	5250 to 5350	Pass
		5320	20	102	5319.940	5250 to 5350	Pass
				120	5319.960	5250 to 5350	Pass
				138	5320.000	5250 to 5350	Pass
			-30	120	5320.000	5250 to 5350	Pass
			-20	120	5319.960	5250 to 5350	Pass
			-10	120	5319.940	5250 to 5350	Pass
			0	120	5320.000	5250 to 5350	Pass
			10	120	5320.000	5250 to 5350	Pass
			30	120	5319.980	5250 to 5350	Pass
			40	120	5320.000	5250 to 5350	Pass
			50	120	5319.980	5250 to 5350	Pass
		5500	20	102	5500.020	5470 to 5725	Pass
				120	5500.020	5470 to 5725	Pass
				138	5500.040	5470 to 5725	Pass
			-30	120	5500.000	5470 to 5725	Pass



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			-20	120	5499.980	5470 to 5725	Pass
			-10	120	5499.960	5470 to 5725	Pass
			0	120	5499.980	5470 to 5725	Pass
			10	120	5500.000	5470 to 5725	Pass
			30	120	5500.060	5470 to 5725	Pass
			40	120	5499.900	5470 to 5725	Pass
			50	120	5500.020	5470 to 5725	Pass
		5580	20	102	5580.000	5470 to 5725	Pass
				120	5580.060	5470 to 5725	Pass
				138	5580.080	5470 to 5725	Pass
			-30	120	5579.960	5470 to 5725	Pass
			-20	120	5580.120	5470 to 5725	Pass
			-10	120	5579.920	5470 to 5725	Pass
			0	120	5580.000	5470 to 5725	Pass
			10	120	5579.900	5470 to 5725	Pass
			30	120	5580.060	5470 to 5725	Pass
			40	120	5580.000	5470 to 5725	Pass
			50	120	5580.020	5470 to 5725	Pass
		5700	20	102	5700.040	5470 to 5725	Pass
				120	5700.000	5470 to 5725	Pass
				138	5700.000	5470 to 5725	Pass
			-30	120	5699.920	5470 to 5725	Pass
			-20	120	5700.020	5470 to 5725	Pass
			-10	120	5700.000	5470 to 5725	Pass
			0	120	5700.020	5470 to 5725	Pass
			10	120	5699.980	5470 to 5725	Pass
			30	120	5700.020	5470 to 5725	Pass
			40	120	5699.980	5470 to 5725	Pass
			50	120	5699.960	5470 to 5725	Pass
		5745	20	102	5745.000	5725 to 5850	Pass
				120	5744.980	5725 to 5850	Pass
				138	5745.000	5725 to 5850	Pass
			-30	120	5745.020	5725 to 5850	Pass
			-20	120	5745.100	5725 to 5850	Pass
			-10	120	5745.020	5725 to 5850	Pass
			0	120	5744.980	5725 to 5850	Pass
			10	120	5744.900	5725 to 5850	Pass
			30	120	5745.040	5725 to 5850	Pass
			40	120	5745.000	5725 to 5850	Pass
			50	120	5744.980	5725 to 5850	Pass
		5785	20	102	5785.120	5725 to 5850	Pass
				120	5785.000	5725 to 5850	Pass
				138	5785.000	5725 to 5850	Pass
			-30	120	5784.960	5725 to 5850	Pass
			-20	120	5785.040	5725 to 5850	Pass
			-10	120	5784.980	5725 to 5850	Pass
			0	120	5785.040	5725 to 5850	Pass
			10	120	5784.920	5725 to 5850	Pass
			30	120	5785.020	5725 to 5850	Pass
			40	120	5785.040	5725 to 5850	Pass
			50	120	5785.000	5725 to 5850	Pass
		5825	20	102	5825.020	5725 to 5850	Pass
				120	5825.000	5725 to 5850	Pass
				138	5825.000	5725 to 5850	Pass



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			-30	120	5824.980	5725 to 5850	Pass
			-20	120	5824.960	5725 to 5850	Pass
			-10	120	5825.040	5725 to 5850	Pass
			0	120	5825.000	5725 to 5850	Pass
			10	120	5824.980	5725 to 5850	Pass
			30	120	5825.000	5725 to 5850	Pass
			40	120	5824.940	5725 to 5850	Pass
			50	120	5825.080	5725 to 5850	Pass



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