



Appendix

FCC U-NII BANDS Test Results



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch, Inspection & Testing Services

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Appendix A: Emission Bandwidth

Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant	26dB Bandwidth (MHz)	Verdict
						Result	
802.11a	SISO	5180	/	/	1	23.817	Pass
		5200	/	/	1	22.867	Pass
		5240	/	/	1	27.562	Pass
		5260	/	/	1	22.442	Pass
		5300	/	/	1	31.423	Pass
		5320	/	/	1	32.151	Pass
		5500	/	/	1	32.985	Pass
		5580	/	/	1	27.762	Pass
		5700	/	/	1	33.406	Pass
802.11n (HT20)	MIMO	5180	/	/	1	20.745	Pass
		5200	/	/	1	20.983	Pass
		5240	/	/	1	20.903	Pass
		5260	/	/	1	20.560	Pass
		5300	/	/	1	21.356	Pass
		5320	/	/	1	21.273	Pass
		5500	/	/	1	22.031	Pass
		5580	/	/	1	20.643	Pass
		5700	/	/	1	21.388	Pass
802.11n (HT40)	MIMO	5190	/	/	1	40.653	Pass
		5230	/	/	1	40.755	Pass
		5270	/	/	1	41.072	Pass
		5310	/	/	1	41.029	Pass
		5510	/	/	1	40.827	Pass
		5550	/	/	1	40.612	Pass
		5670	/	/	1	40.775	Pass
802.11ac (VHT20)	MIMO	5180	/	/	1	20.565	Pass
		5200	/	/	1	20.684	Pass
		5240	/	/	1	20.810	Pass
		5260	/	/	1	20.763	Pass



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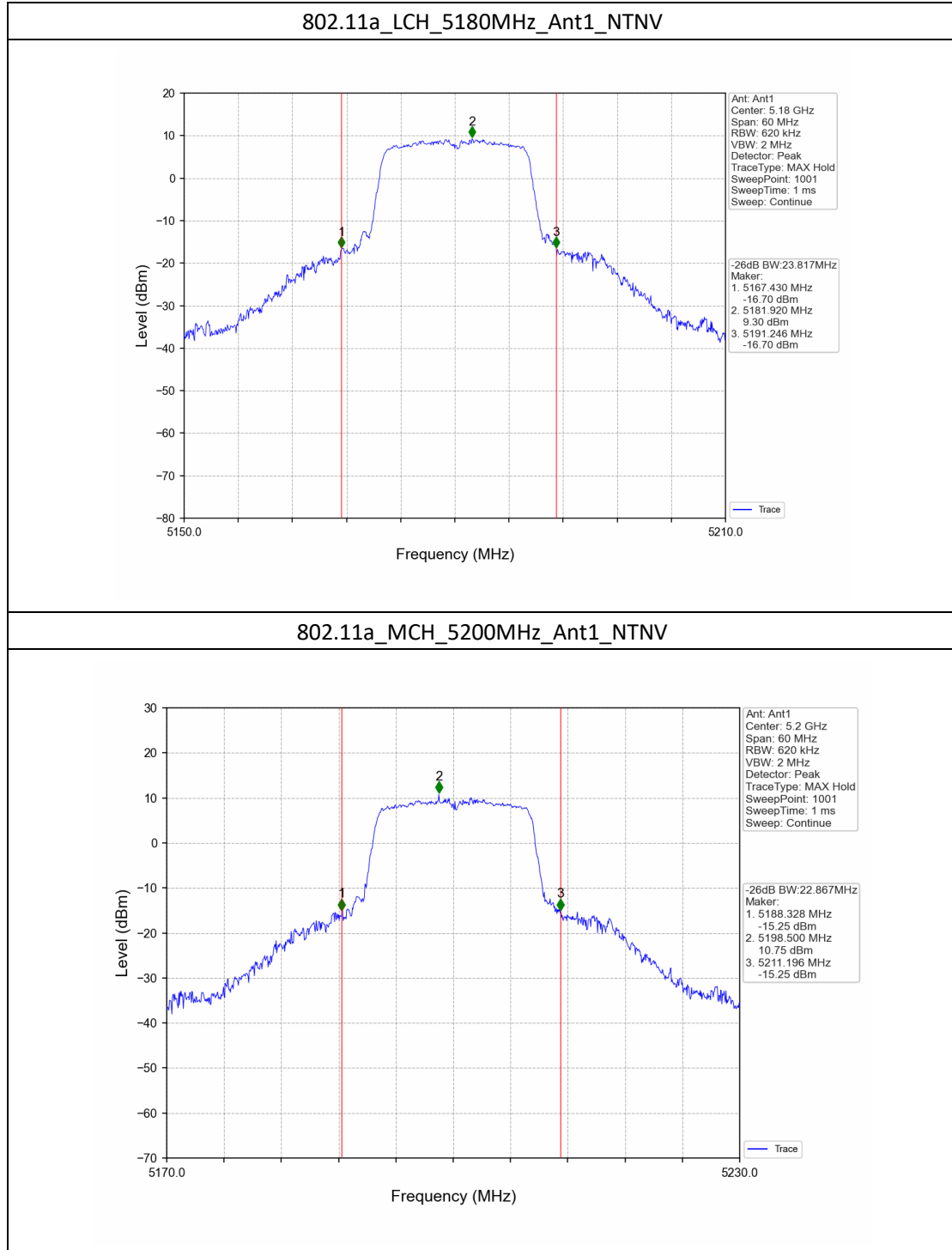
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		5300	/	/	1	20.704	Pass
		5320	/	/	1	20.694	Pass
		5500	/	/	1	20.504	Pass
		5580	/	/	1	20.831	Pass
		5700	/	/	1	20.602	Pass
802.11ac (VHT40)	MIMO	5190	/	/	1	40.653	Pass
		5230	/	/	1	40.629	Pass
		5270	/	/	1	40.727	Pass
		5310	/	/	1	40.678	Pass
		5510	/	/	1	40.699	Pass
		5550	/	/	1	40.672	Pass
		5670	/	/	1	40.902	Pass
802.11ac (VHT80)	MIMO	5210	/	/	1	83.862	Pass
		5290	/	/	1	84.221	Pass
		5530	/	/	1	83.492	Pass
		5610	/	/	1	83.724	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	1	21.415	Pass
		5200	RU242	Left	1	21.592	Pass
		5240	RU242	Left	1	21.447	Pass
		5260	RU242	Left	1	21.567	Pass
		5300	RU242	Left	1	21.393	Pass
		5320	RU242	Left	1	21.464	Pass
		5500	RU242	Left	1	21.481	Pass
		5580	RU242	Left	1	21.385	Pass
		5700	RU242	Left	1	21.485	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	1	41.759	Pass
		5230	RU484	Left	1	41.638	Pass
		5270	RU484	Left	1	41.696	Pass
		5310	RU484	Left	1	41.646	Pass
		5510	RU484	Left	1	41.804	Pass
		5550	RU484	Left	1	41.619	Pass
		5670	RU484	Left	1	41.810	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	1	84.875	Pass
		5290	RU996	Left	1	85.074	Pass
		5530	RU996	Left	1	85.016	Pass
		5610	RU996	Left	1	84.906	Pass



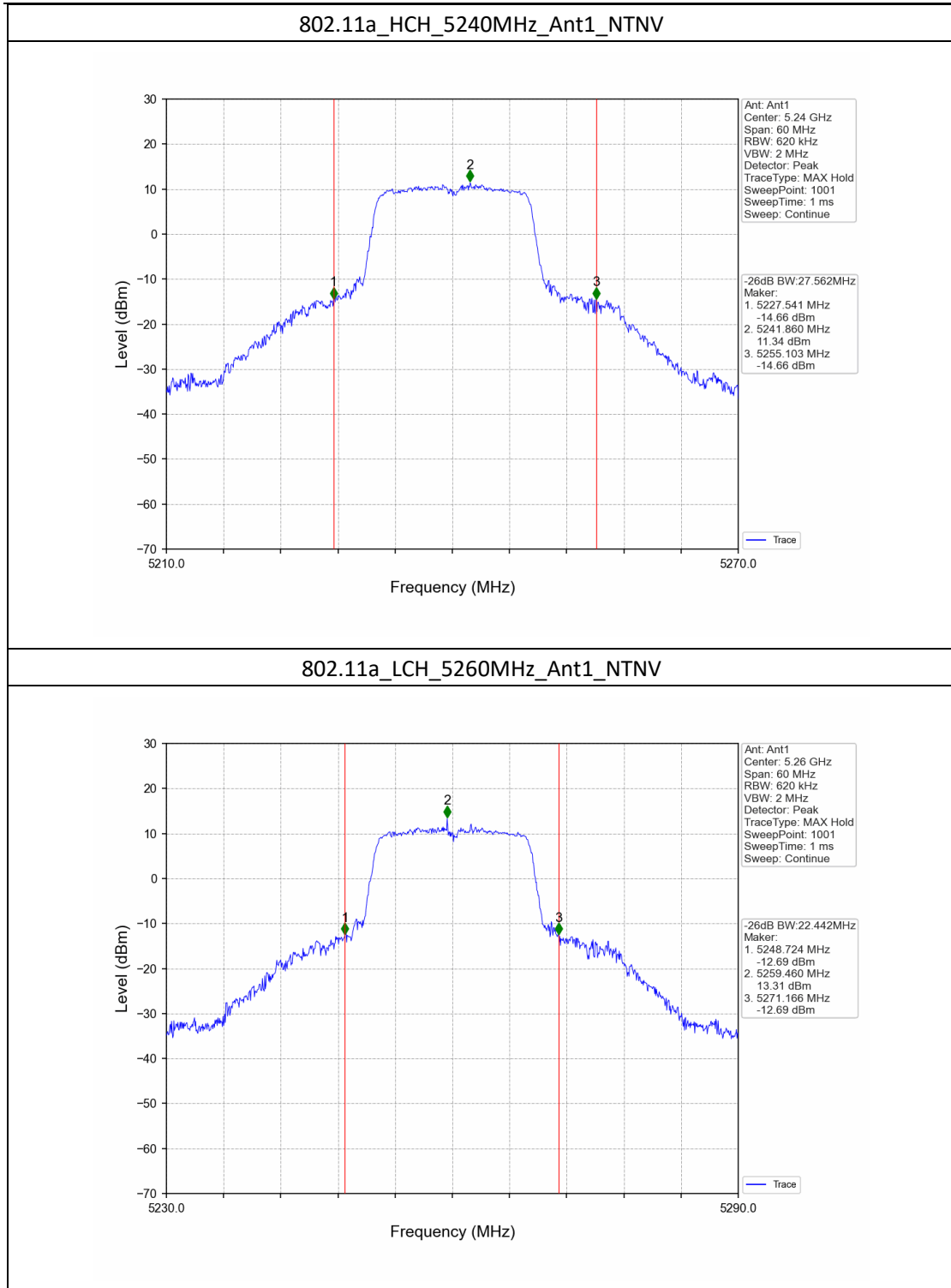
Test Graphs

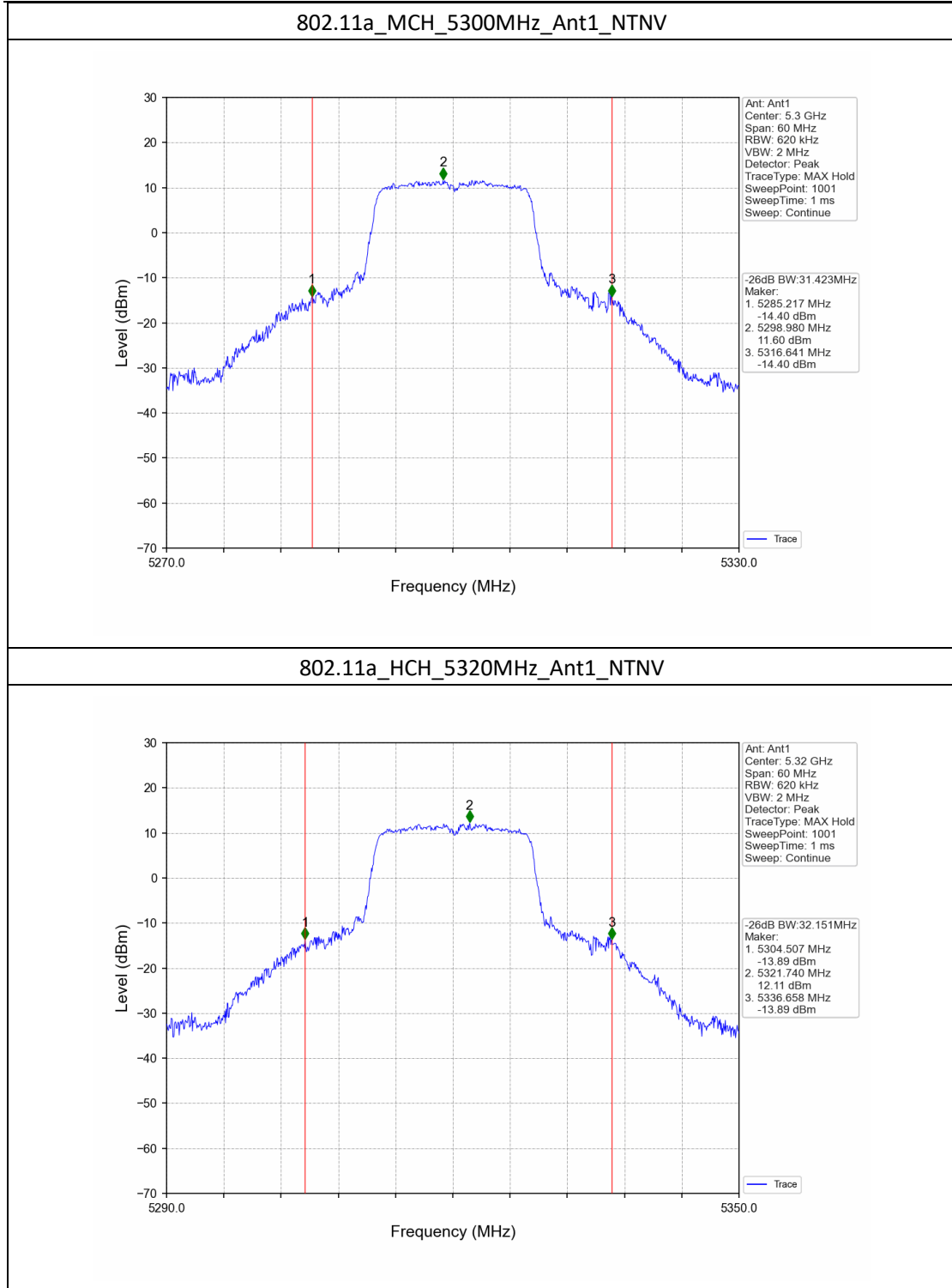


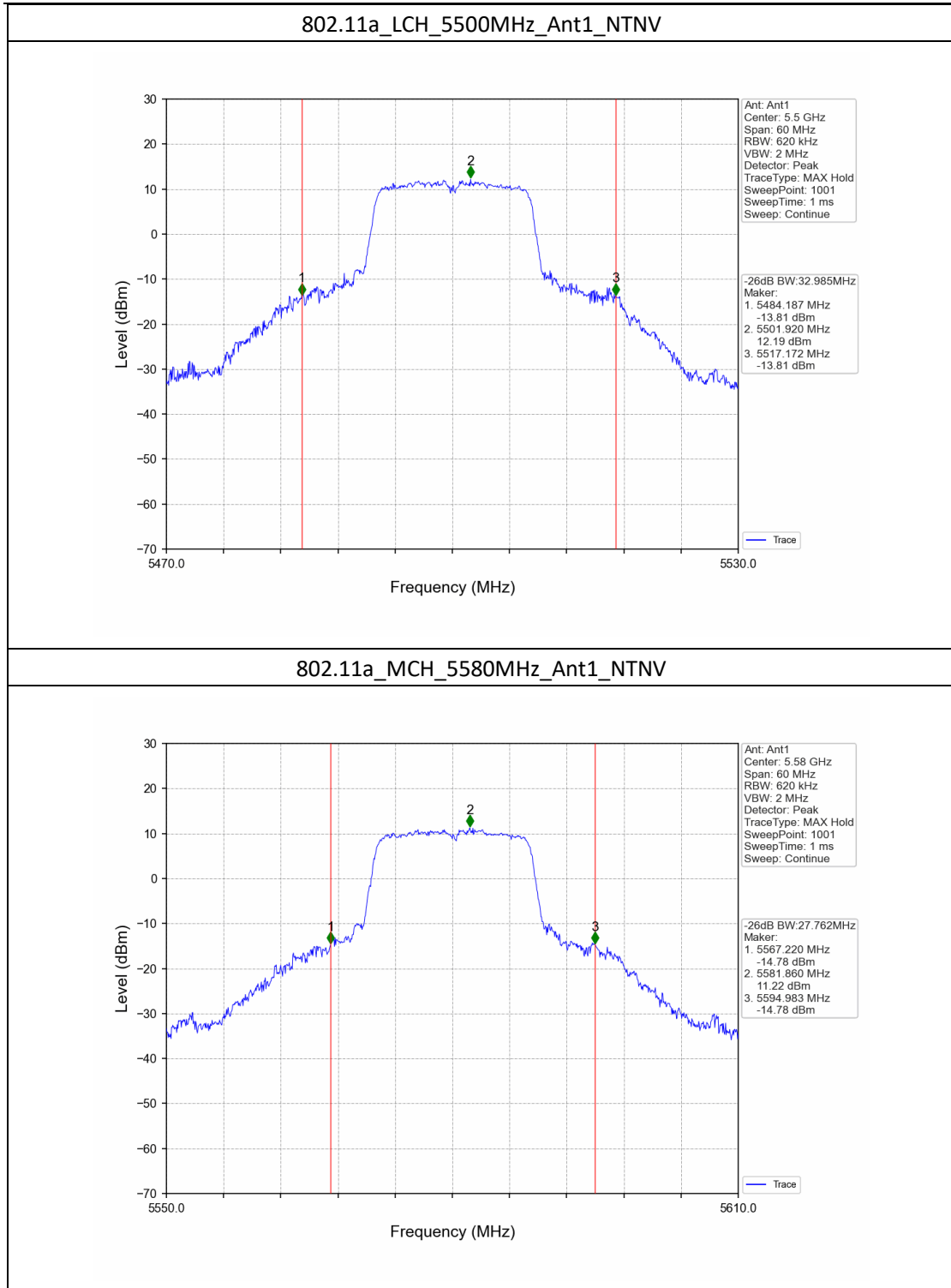
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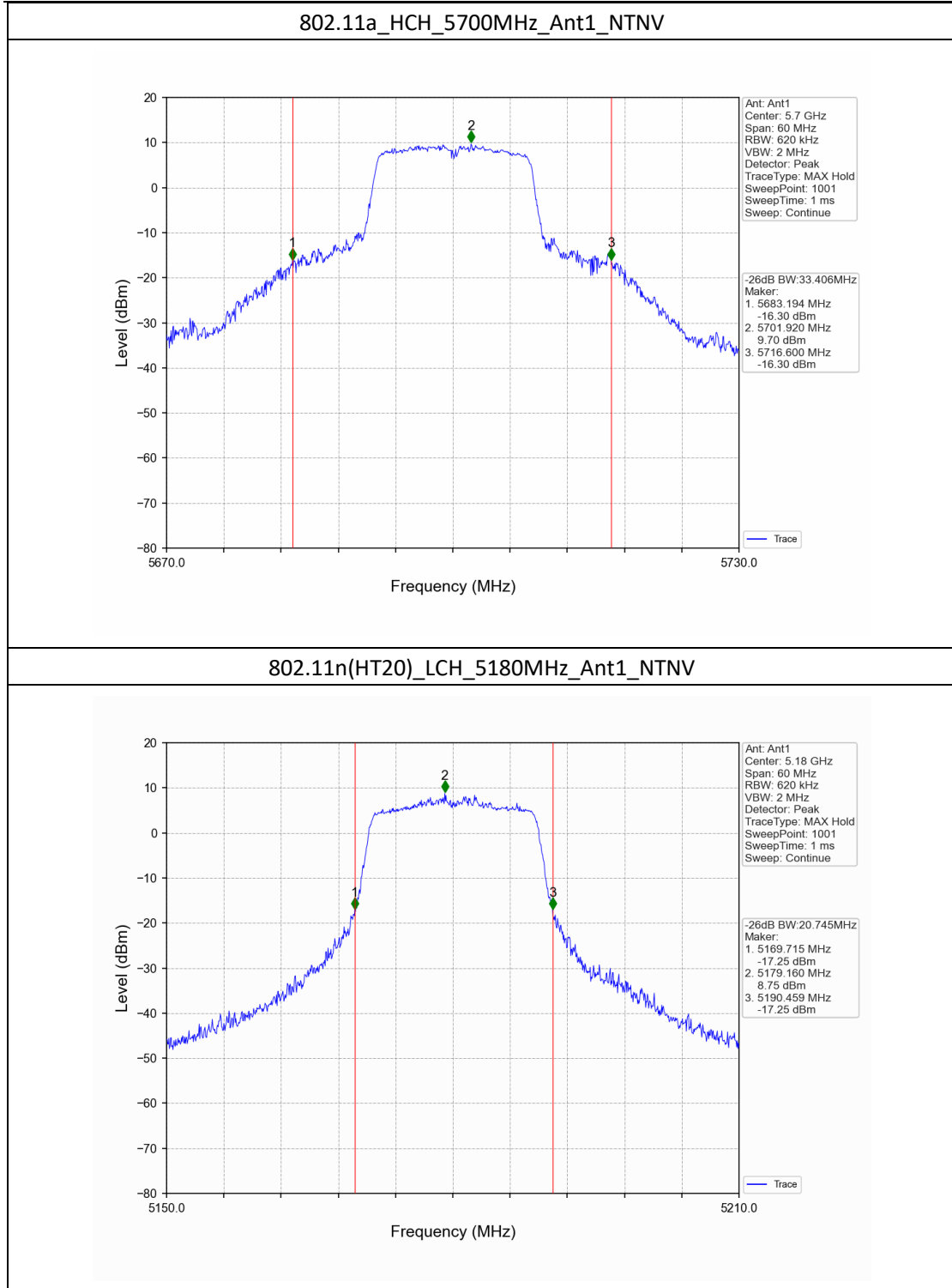
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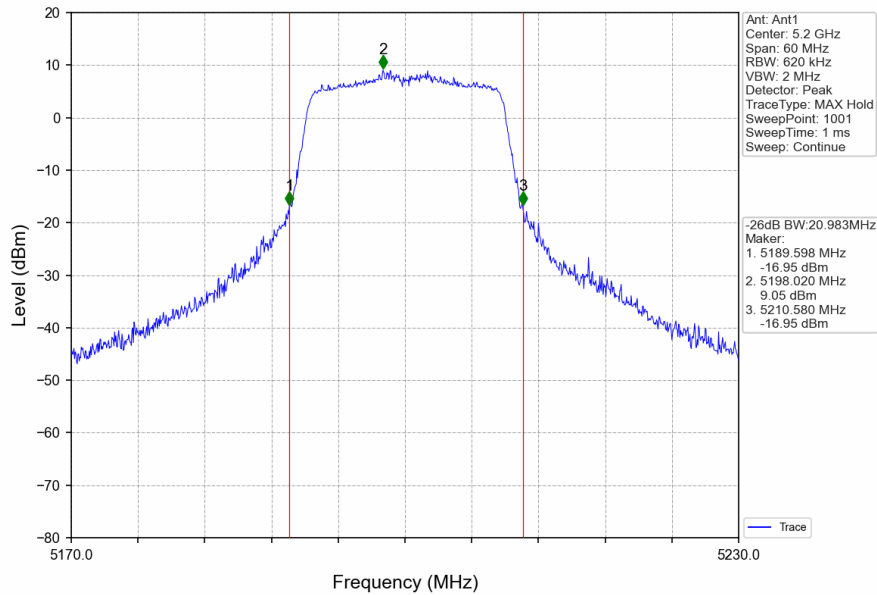




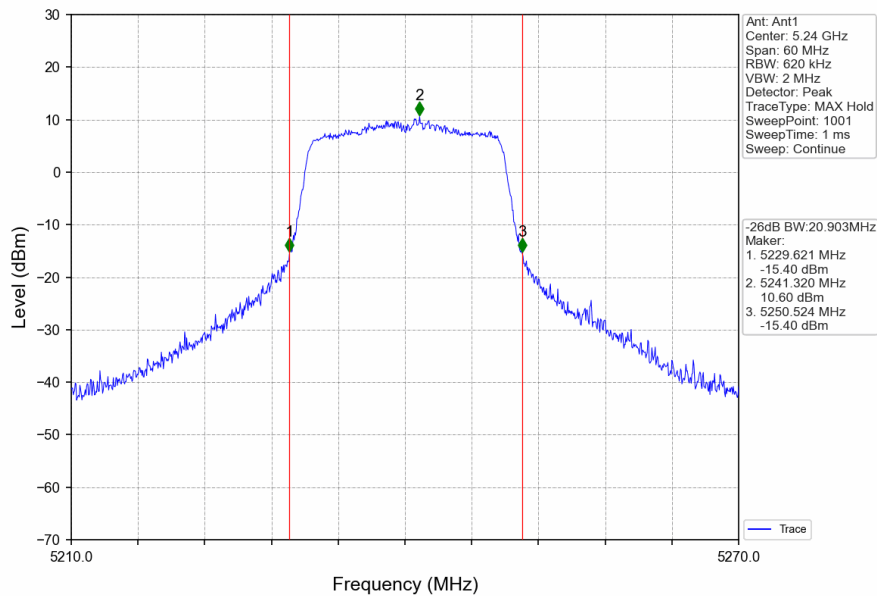
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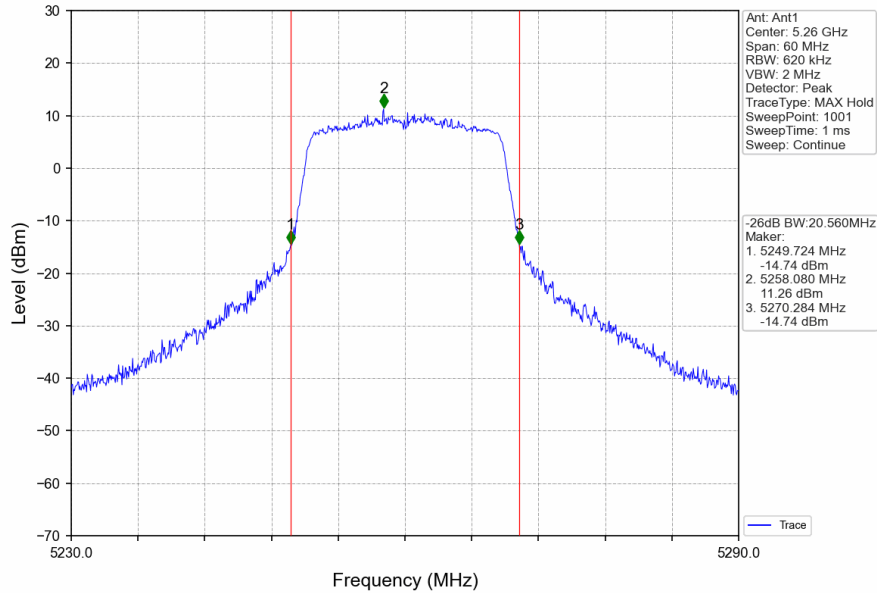
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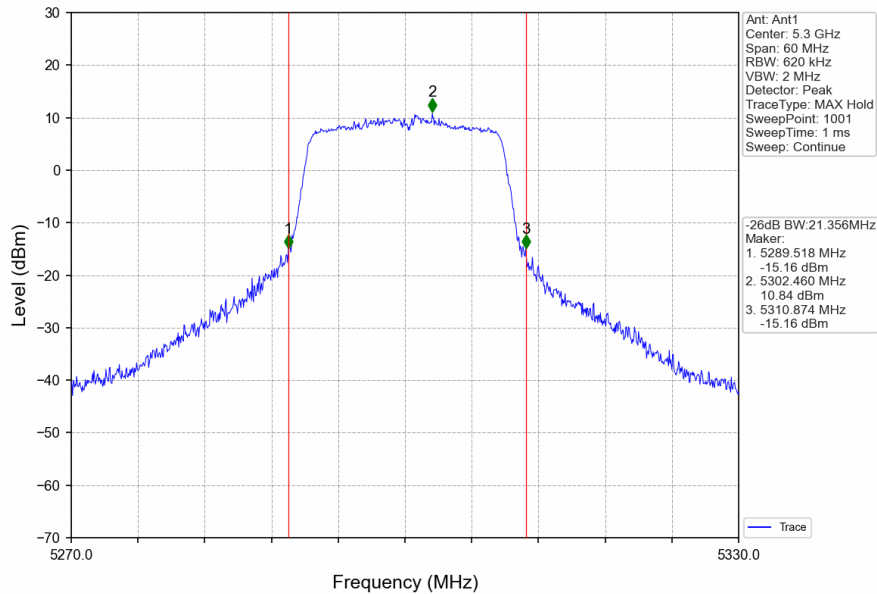
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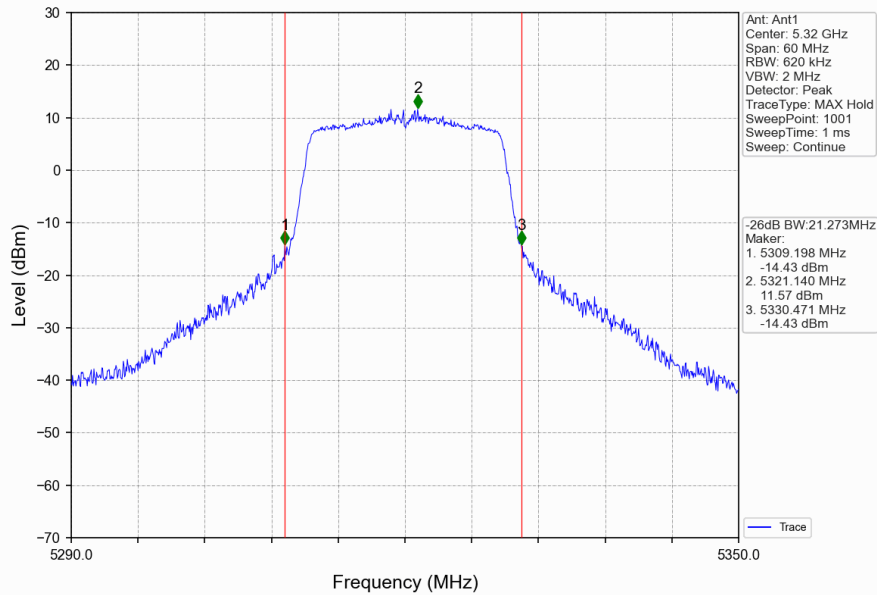
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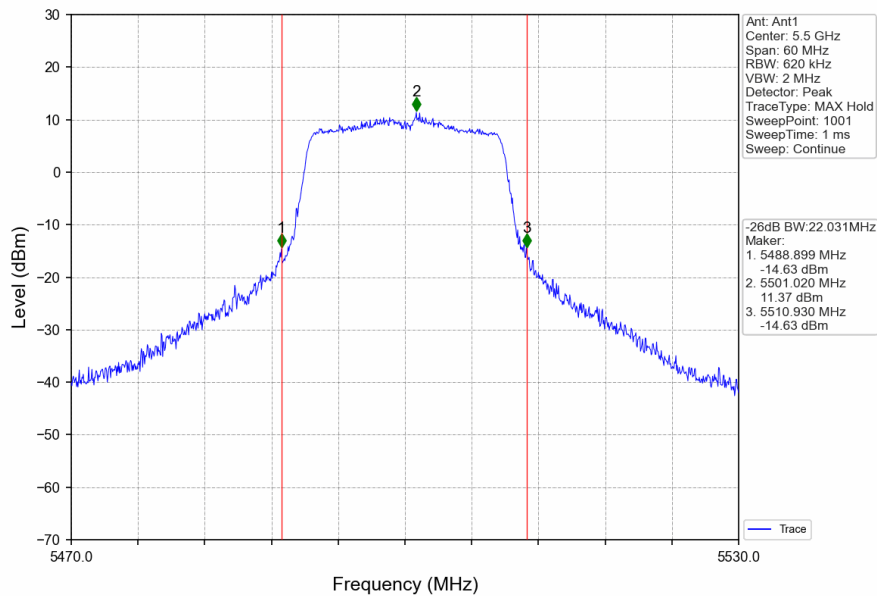
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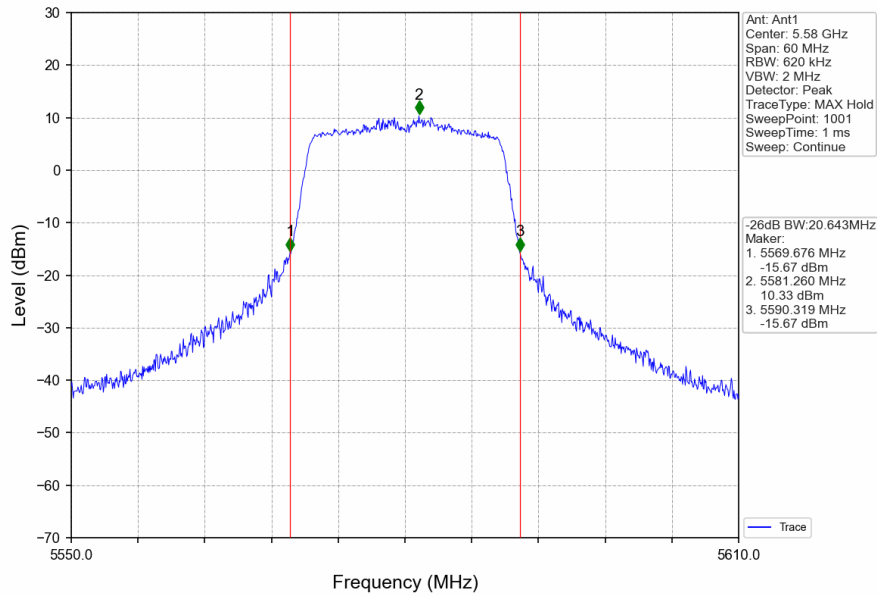
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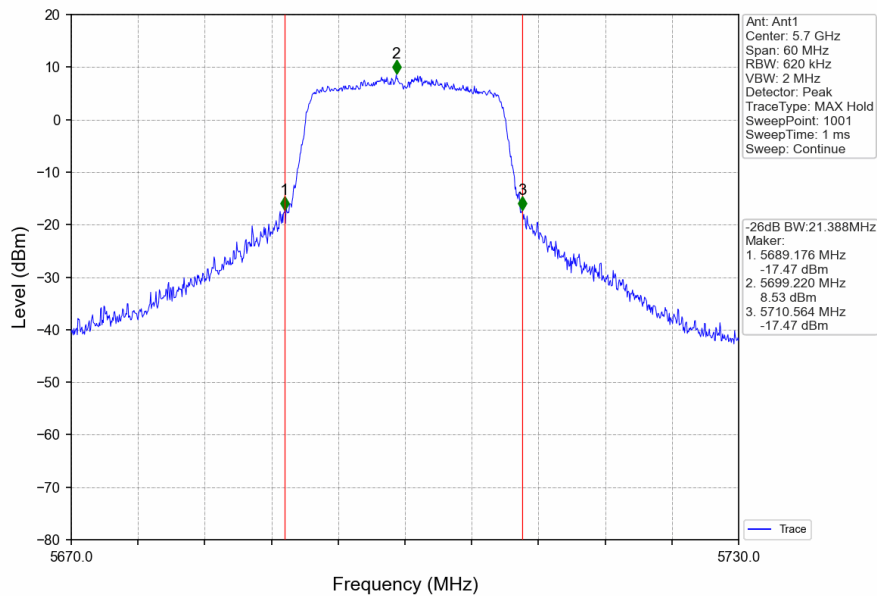
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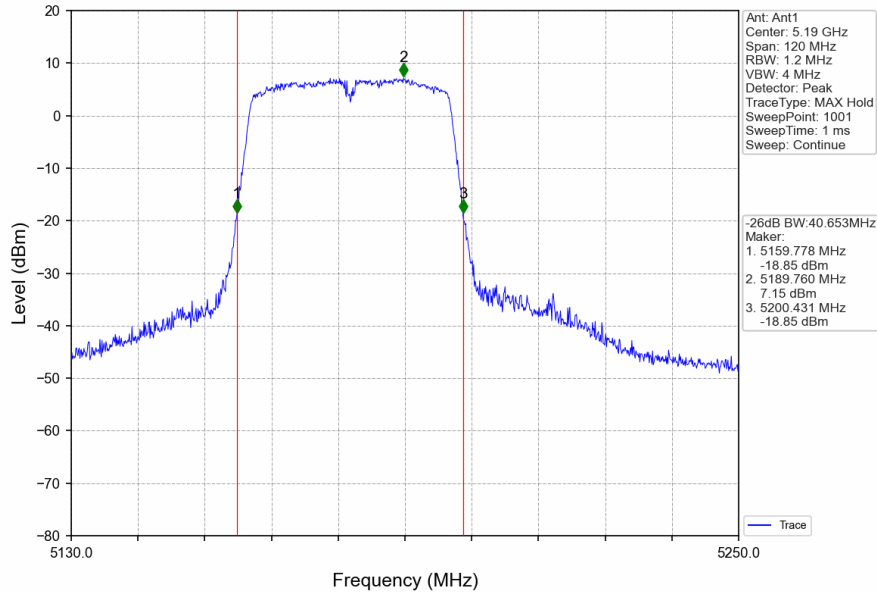
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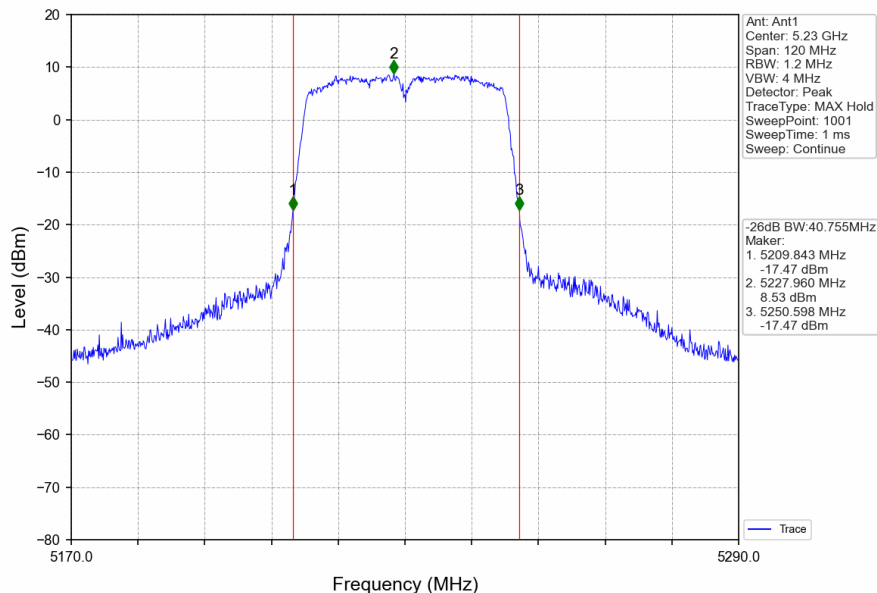
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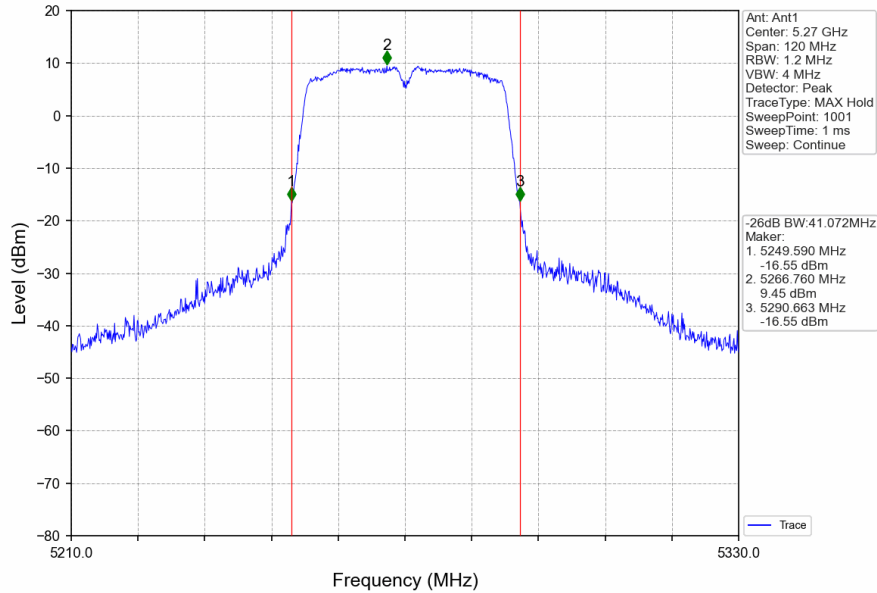
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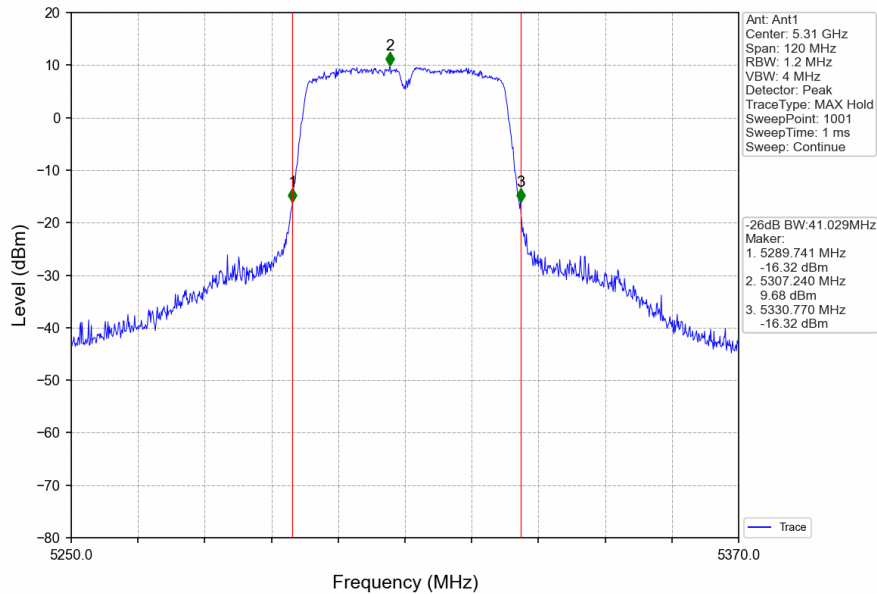
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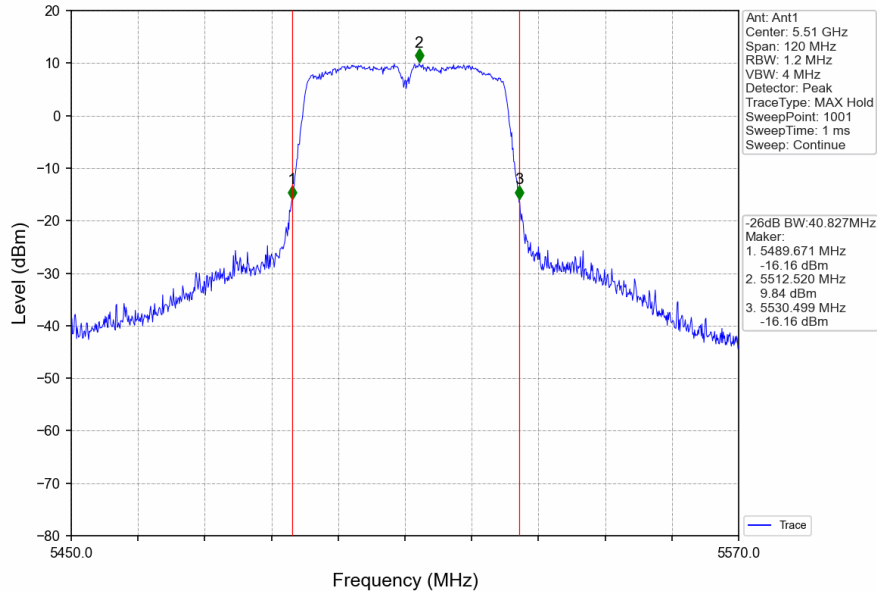
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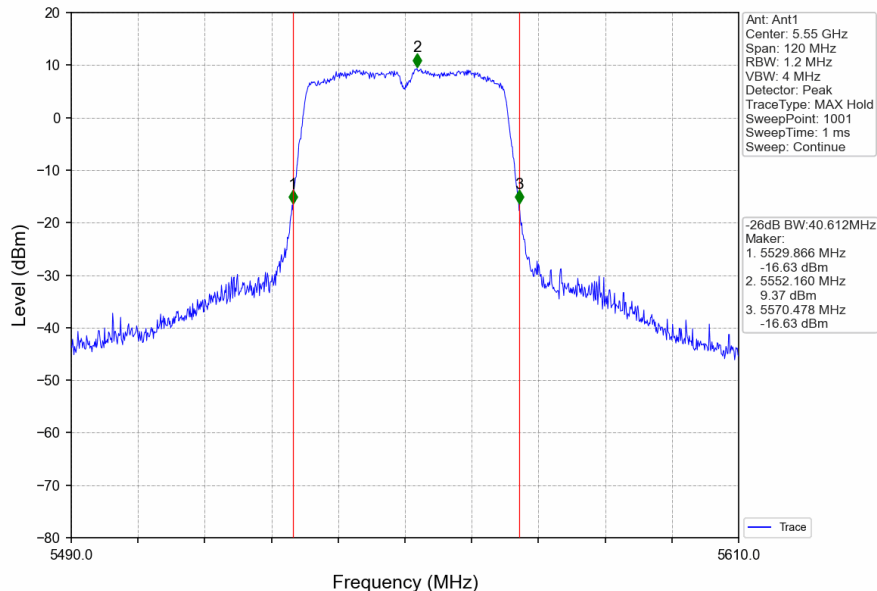
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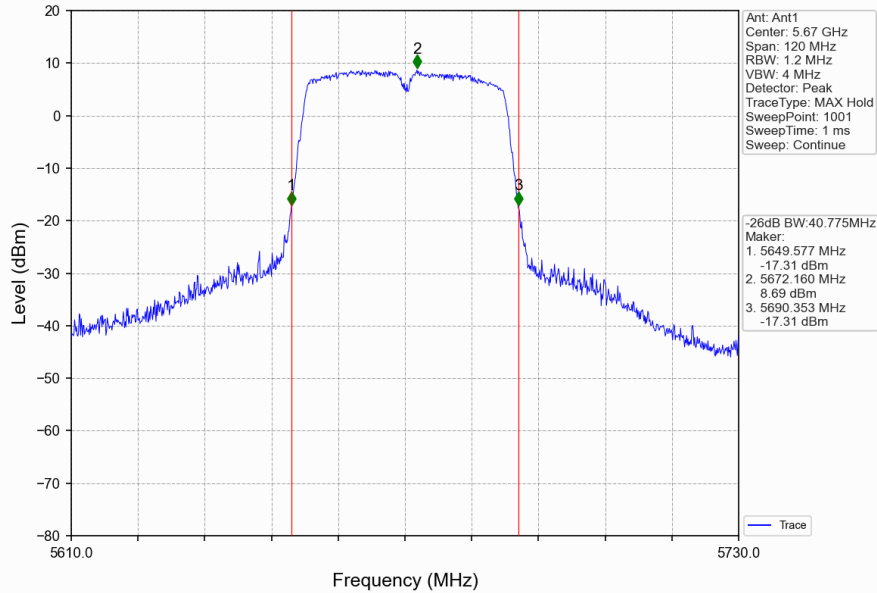
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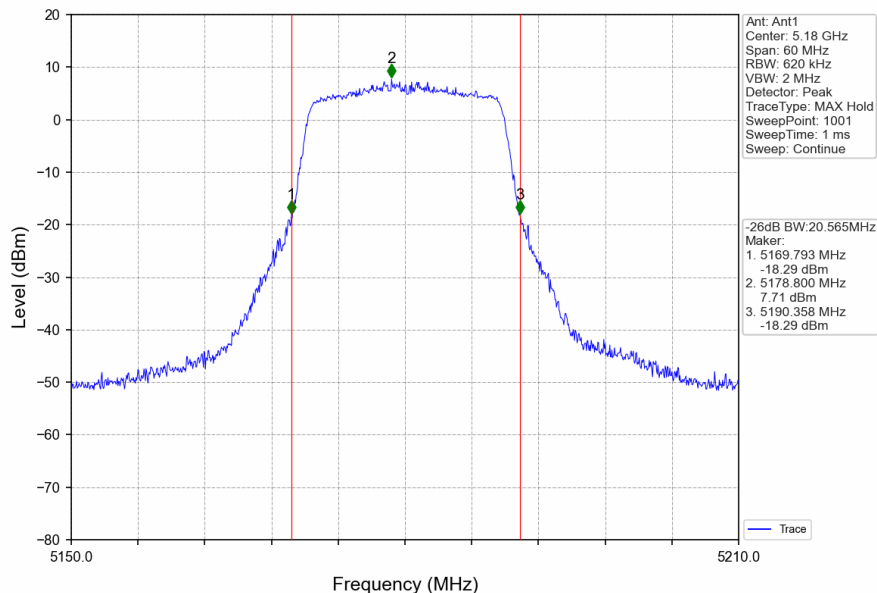
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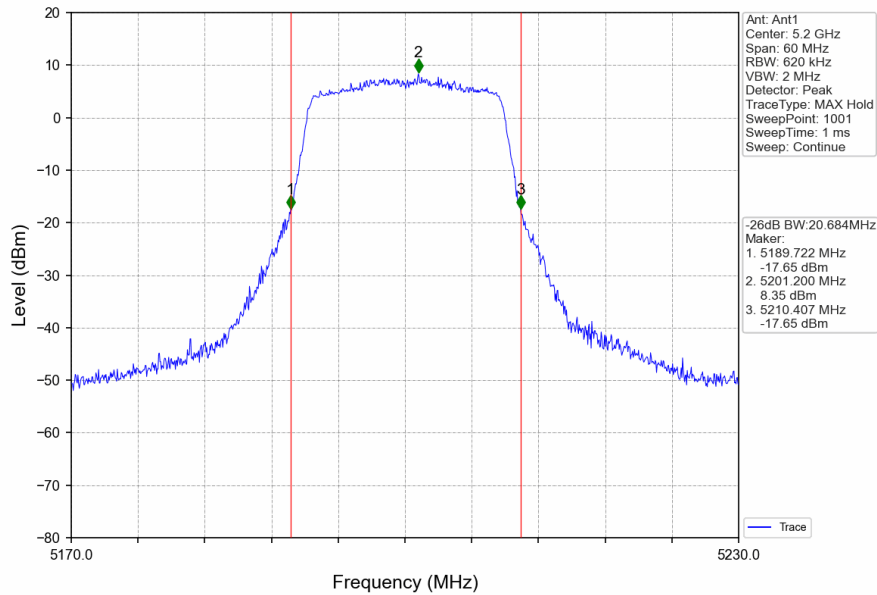
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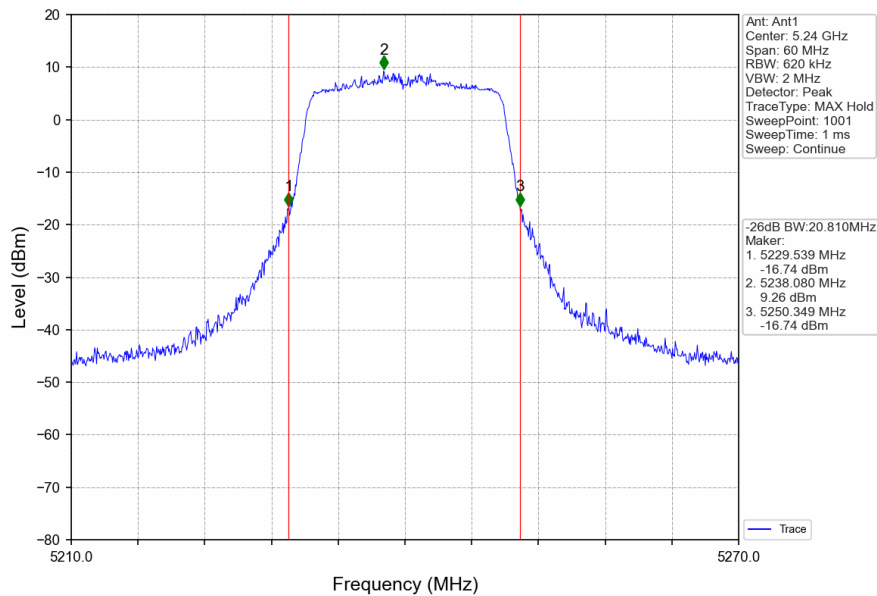
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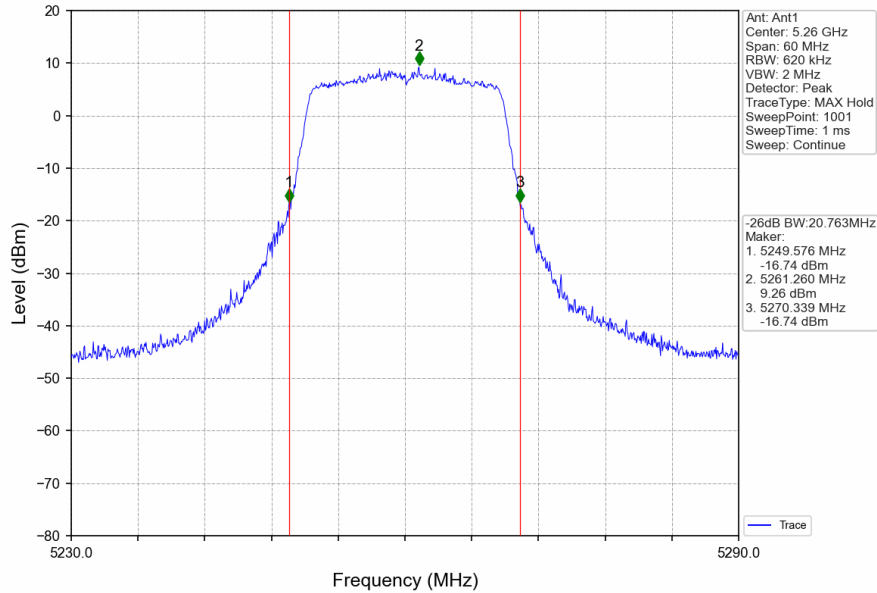
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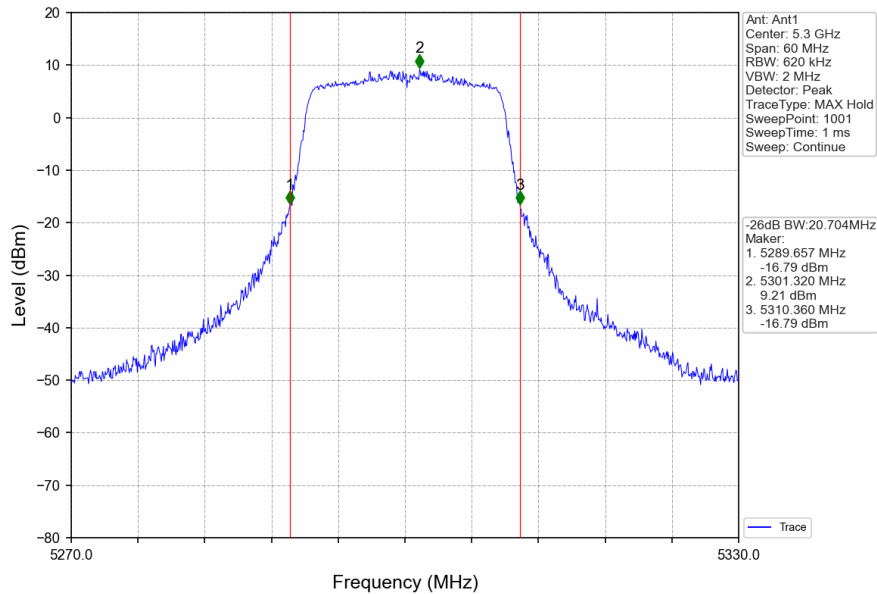
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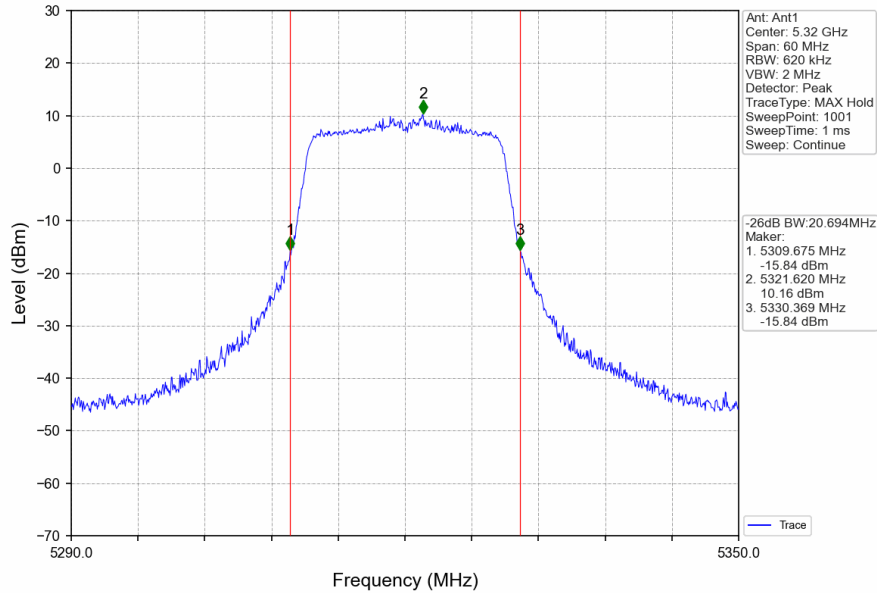
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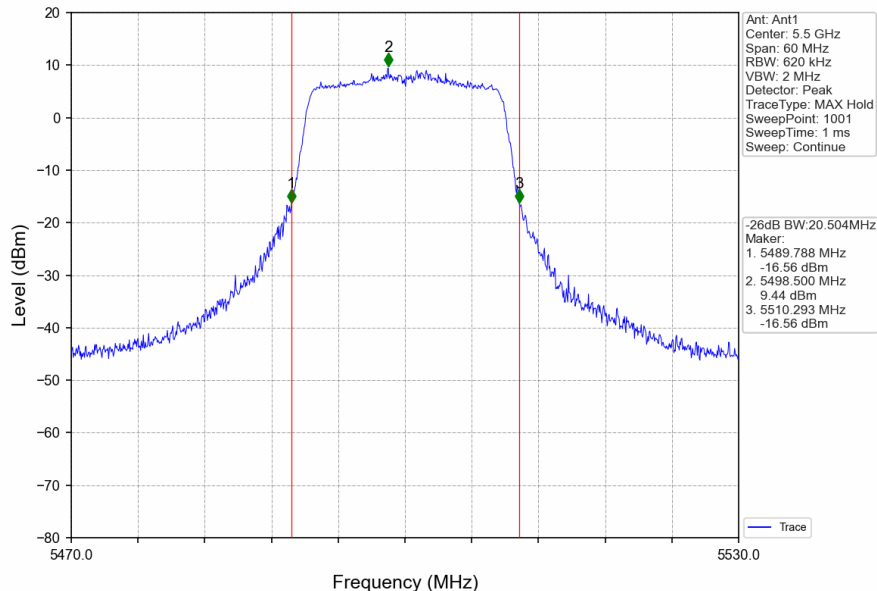
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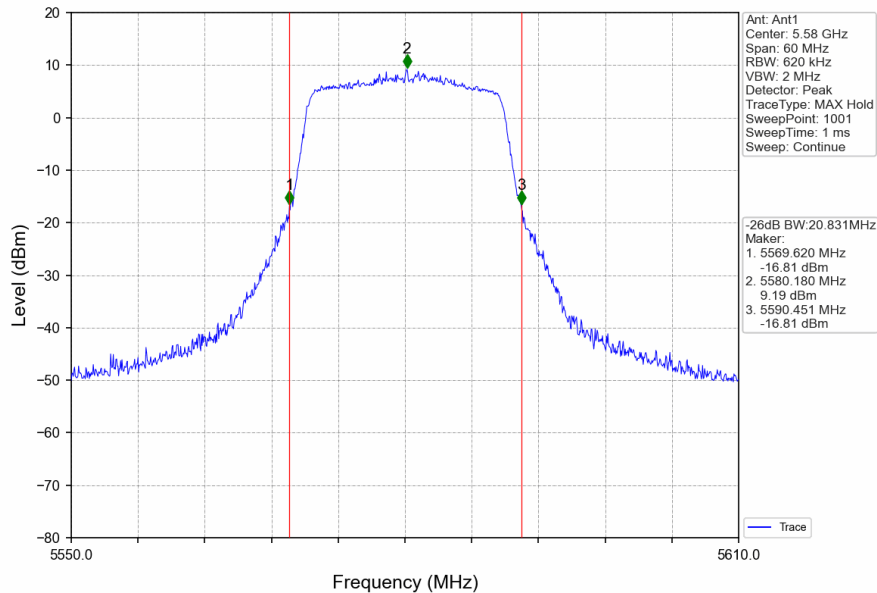
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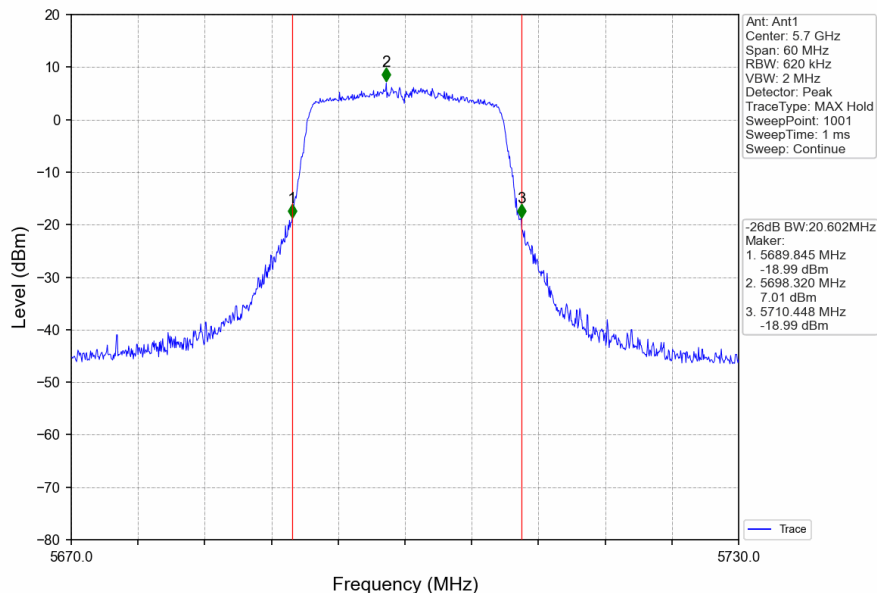
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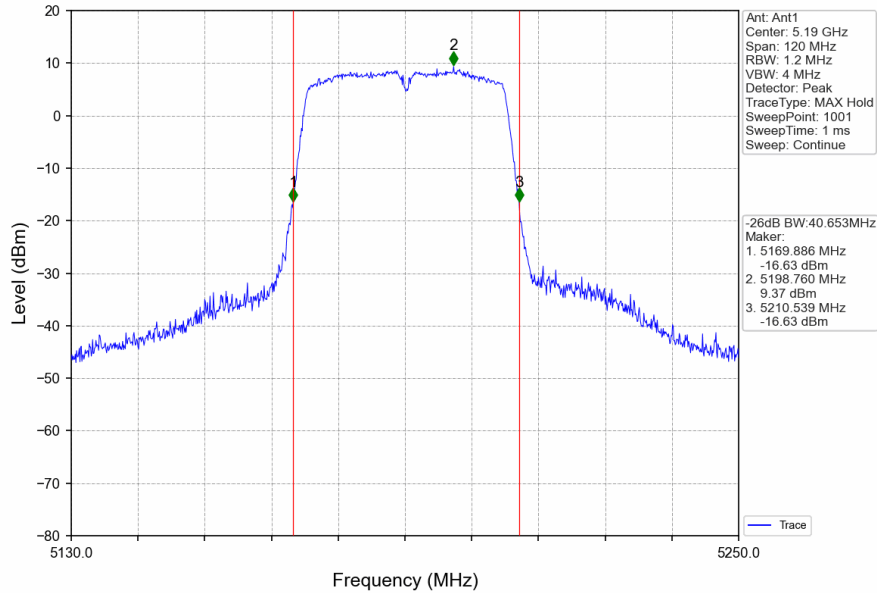
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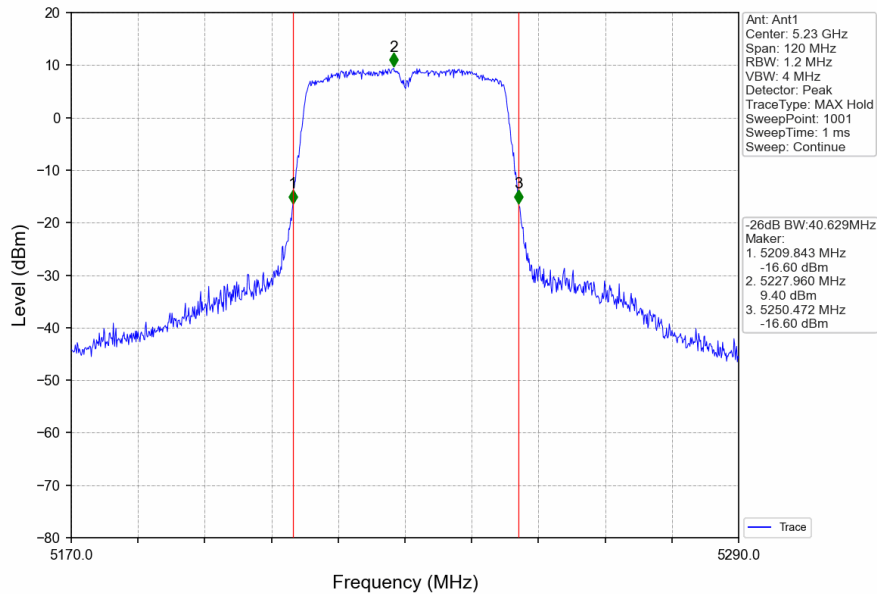
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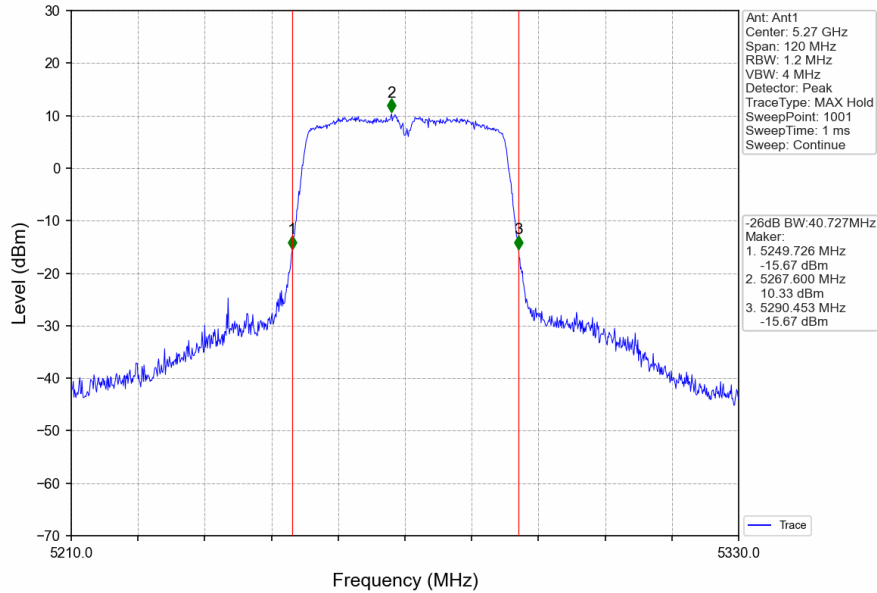
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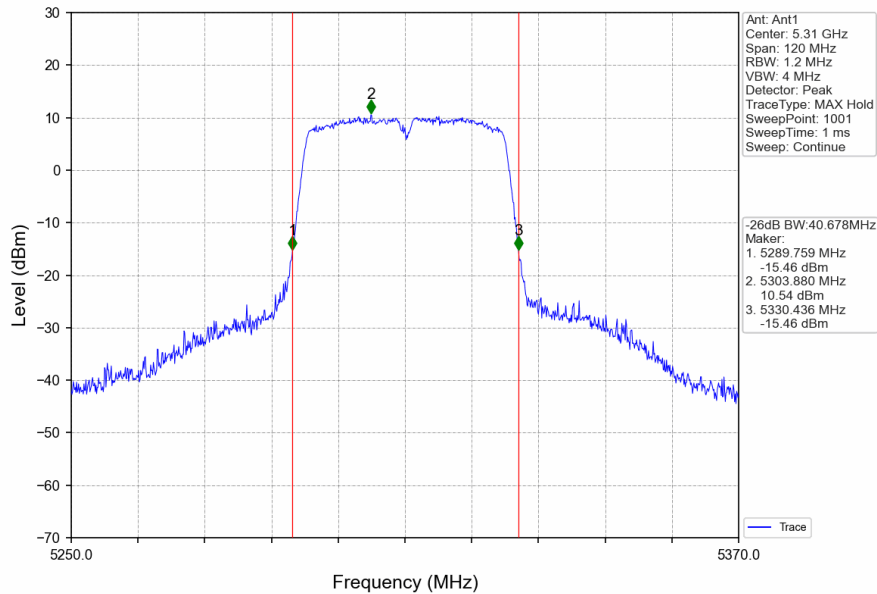
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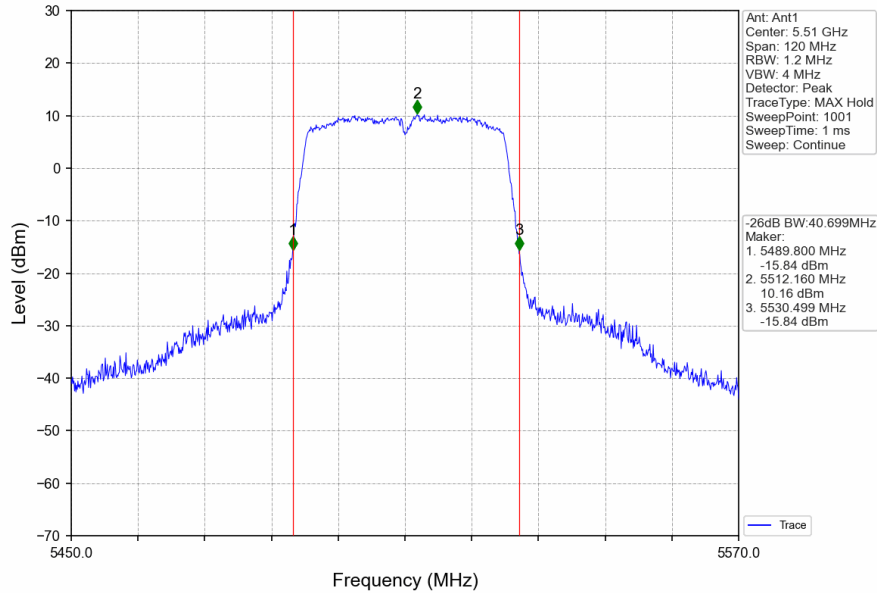
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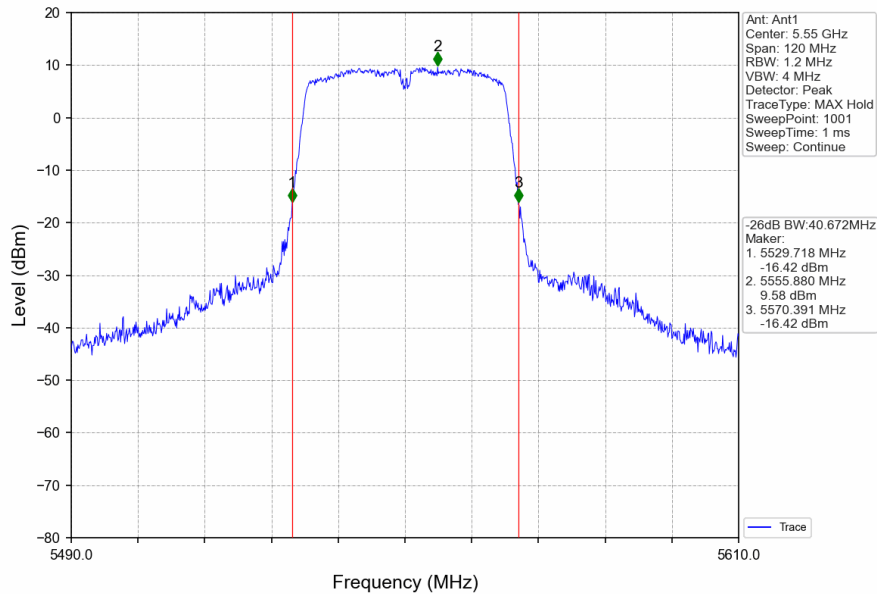
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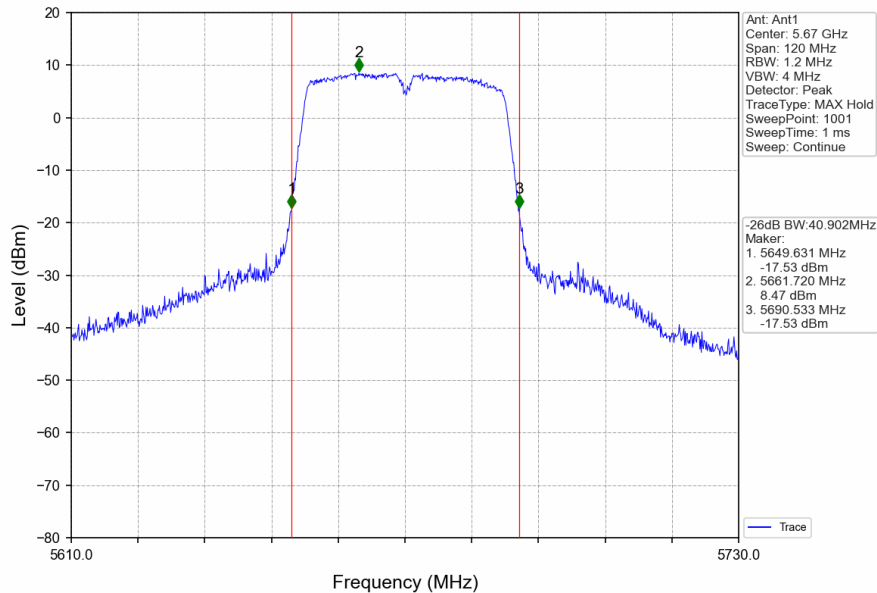
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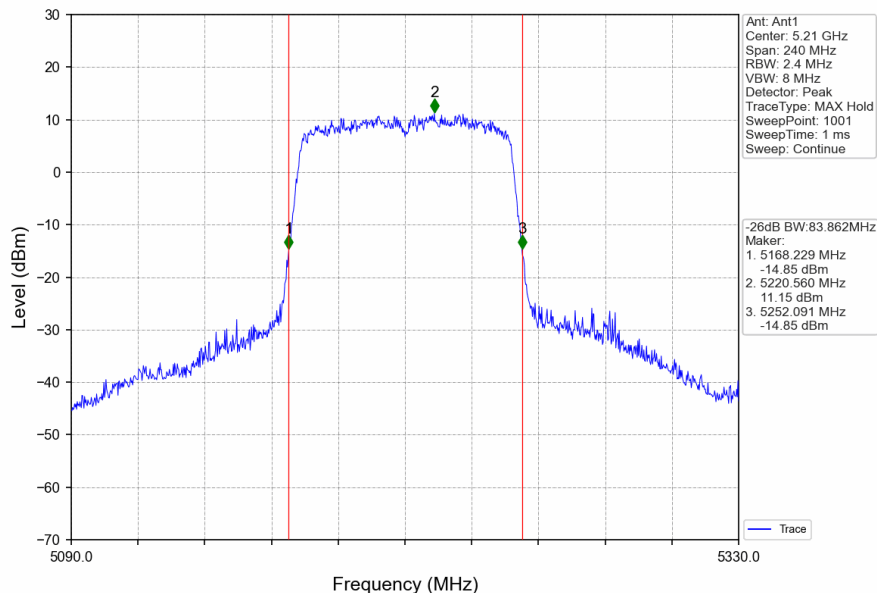
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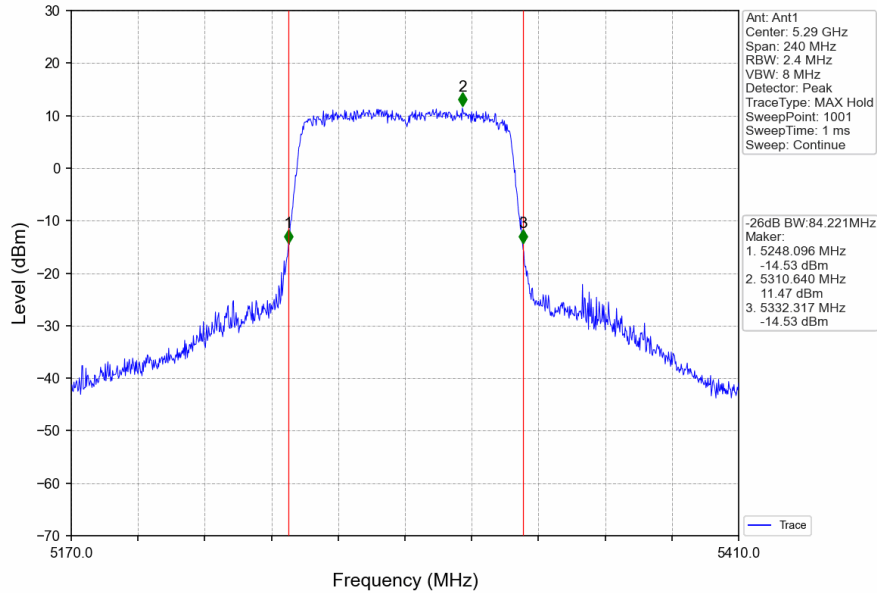
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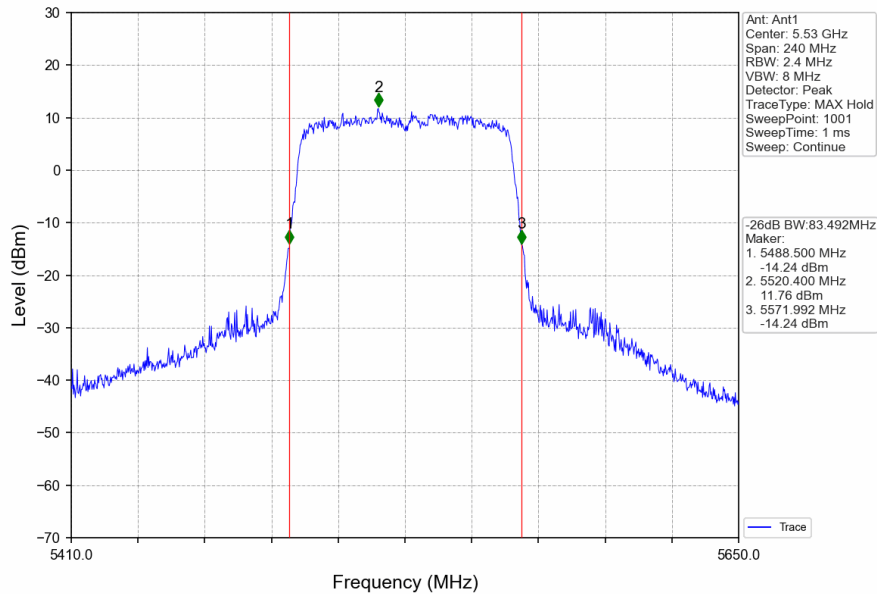
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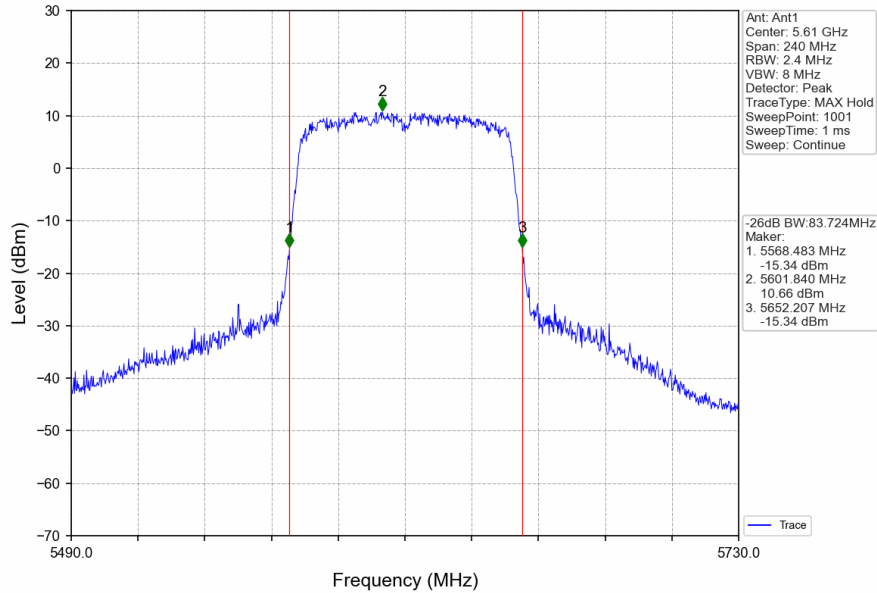
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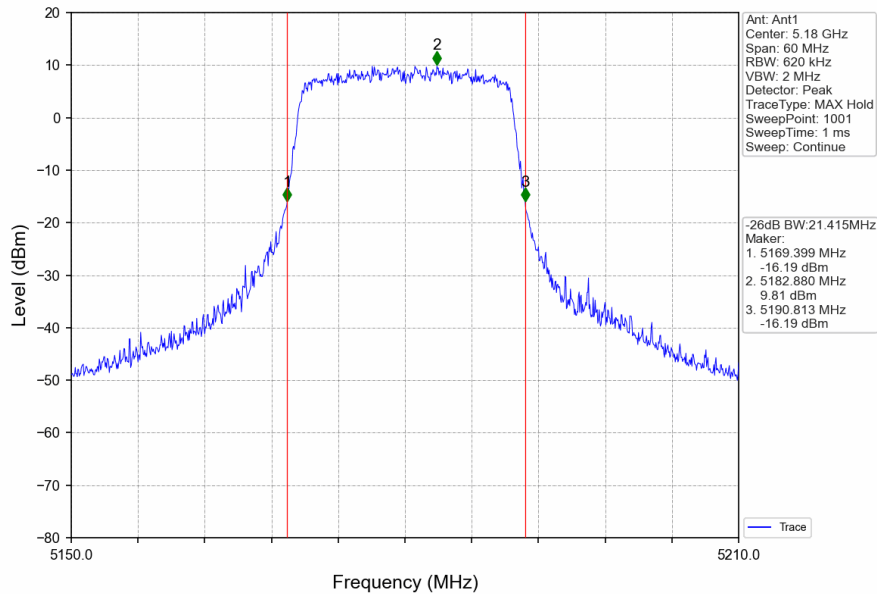
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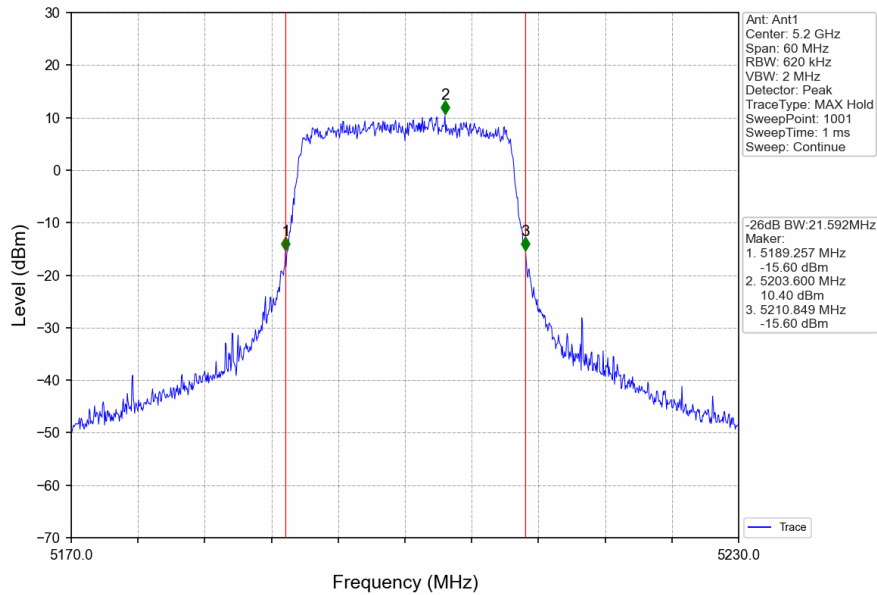
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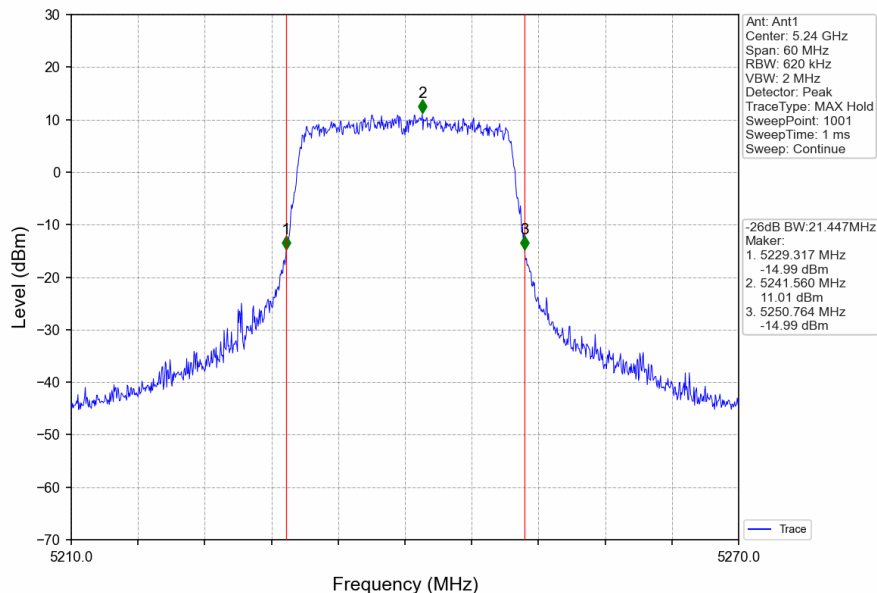
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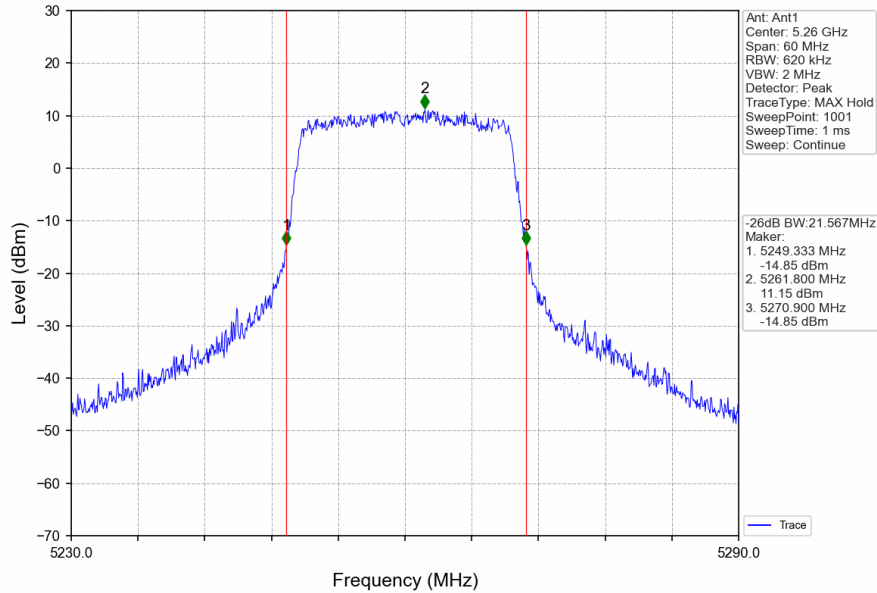
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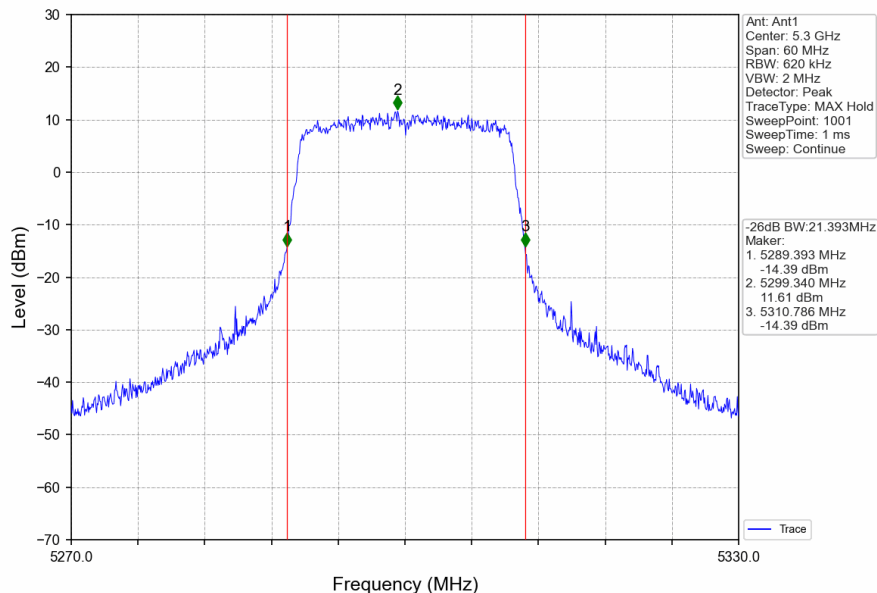
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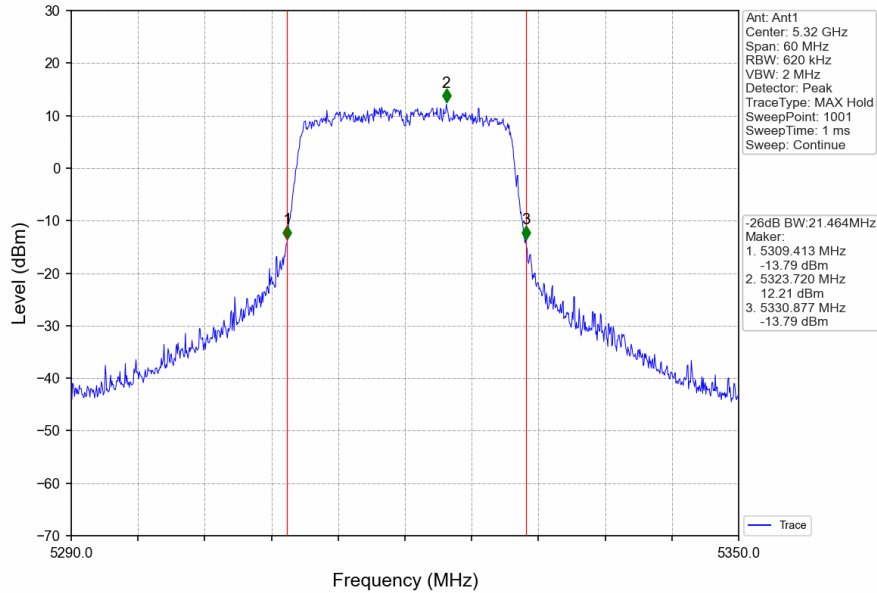
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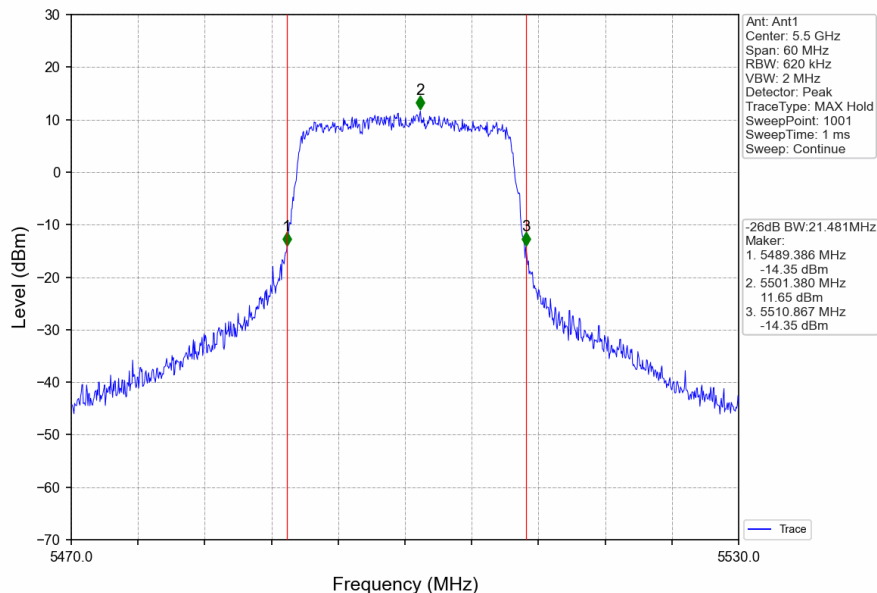
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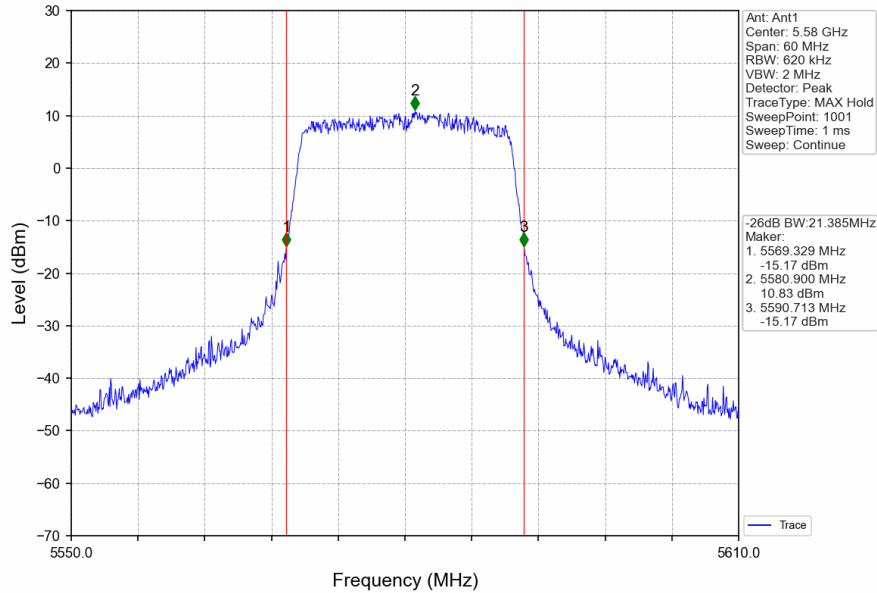
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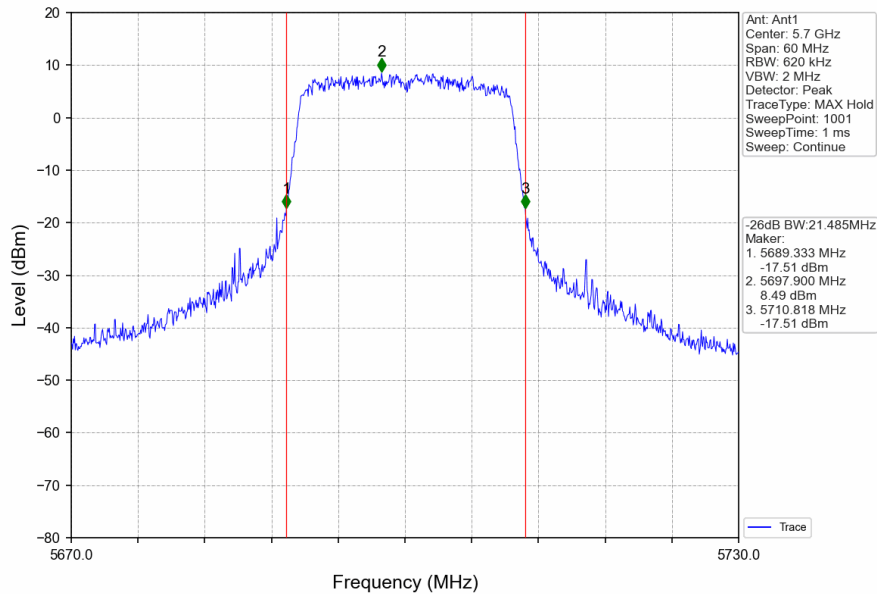
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802.11ax(HEW20)_MCH_5580MHz_RU242_Left_Ant1_NTNV



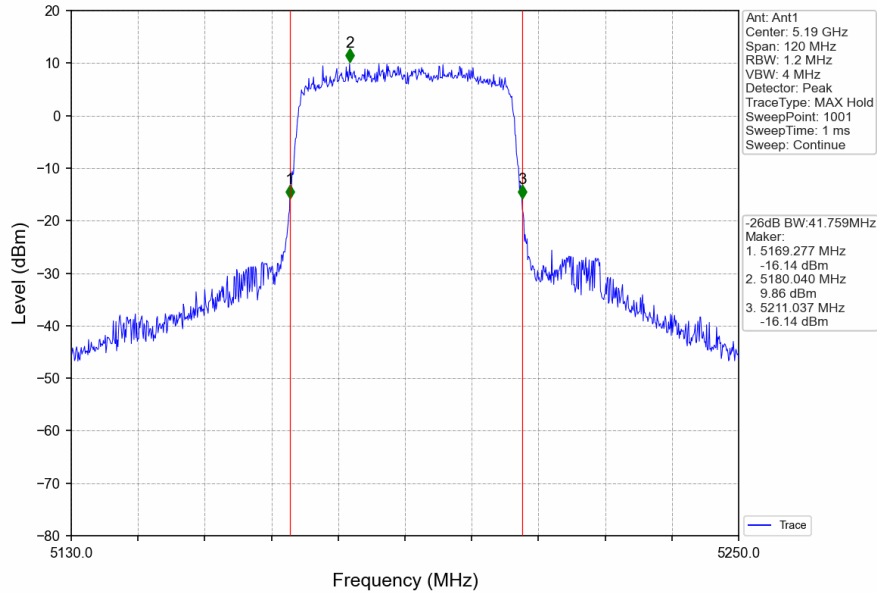
802.11ax(HEW20)_HCH_5700MHz_RU242_Left_Ant1_NTNV



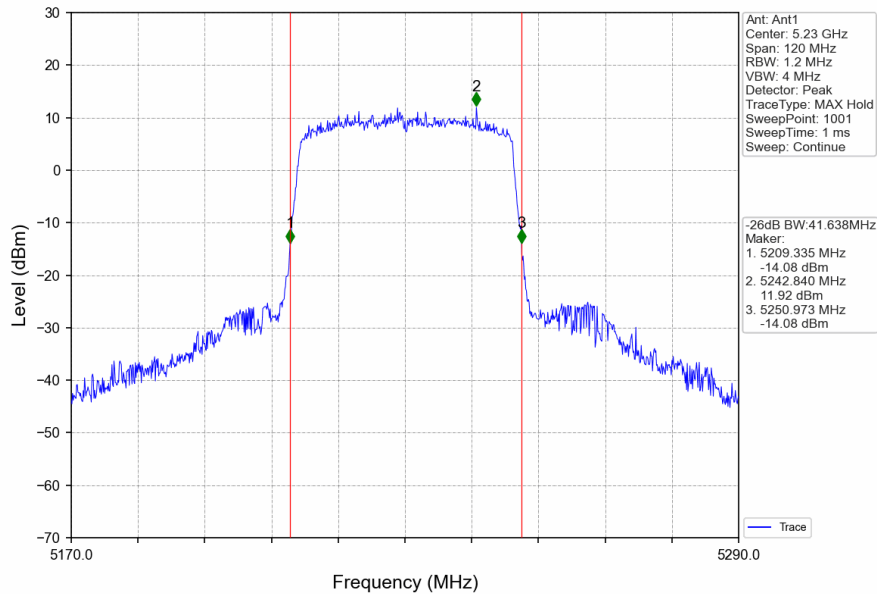
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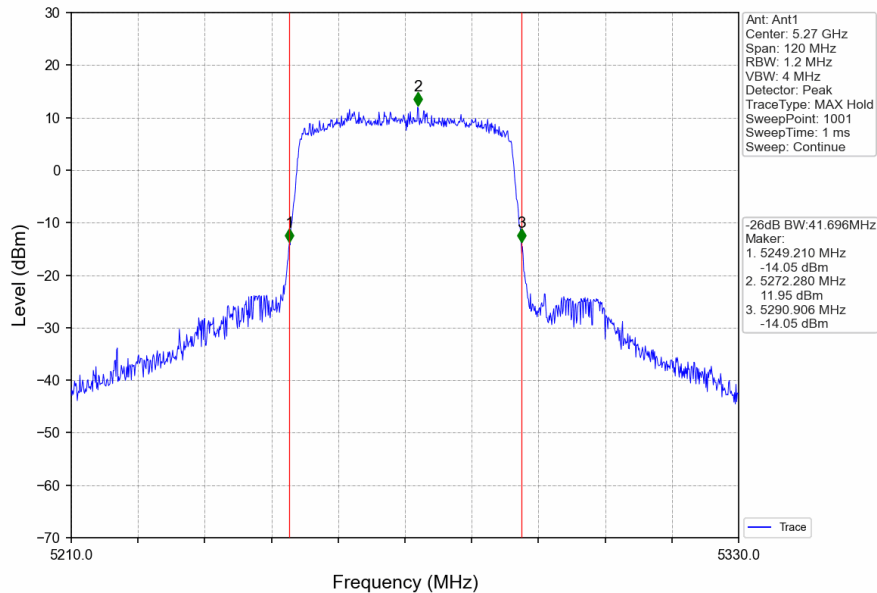
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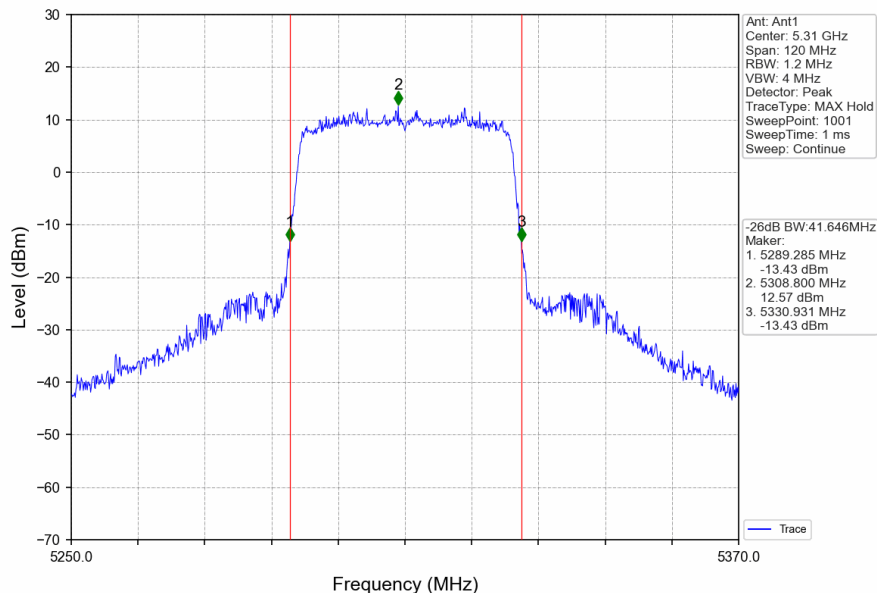
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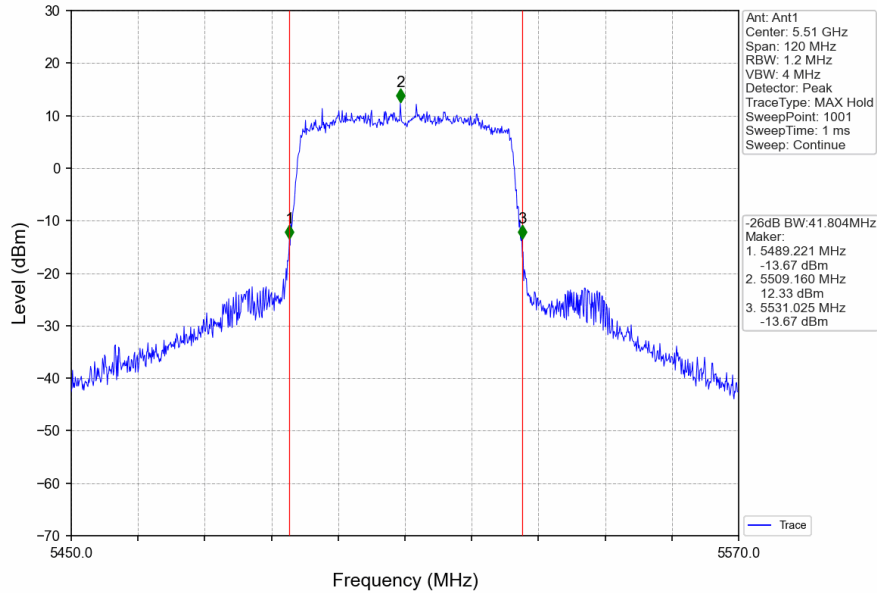
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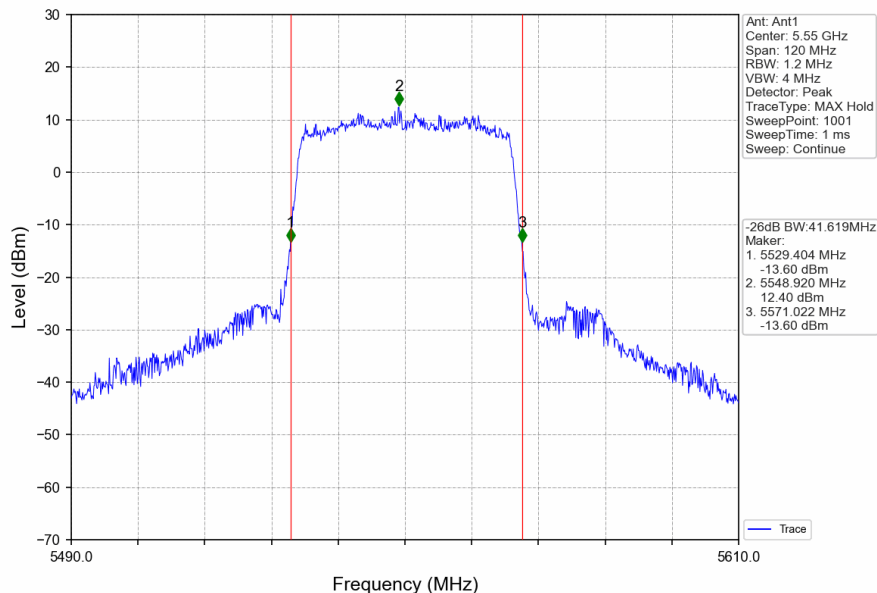
802.11ax(HEW40)_HCH_5310MHz_RU484_Left_Ant1_NTNV



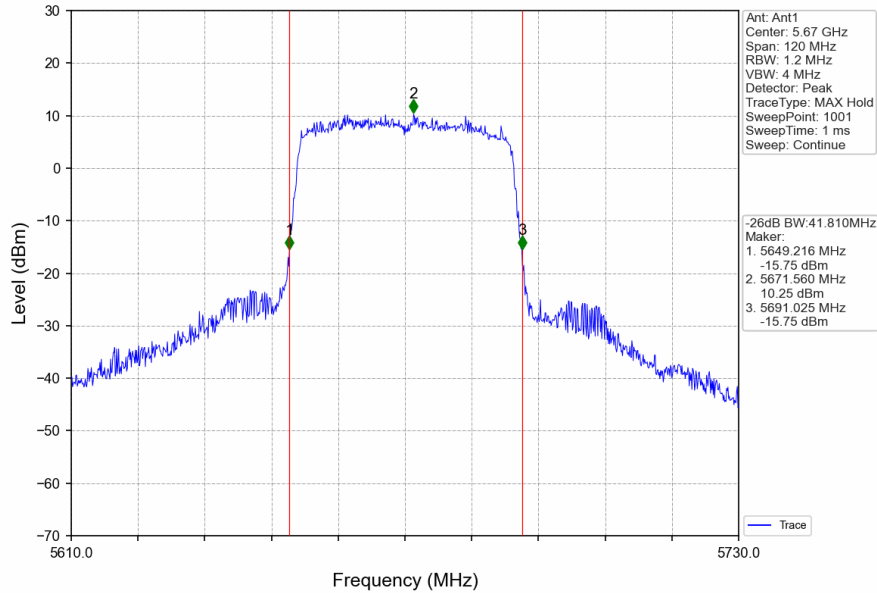
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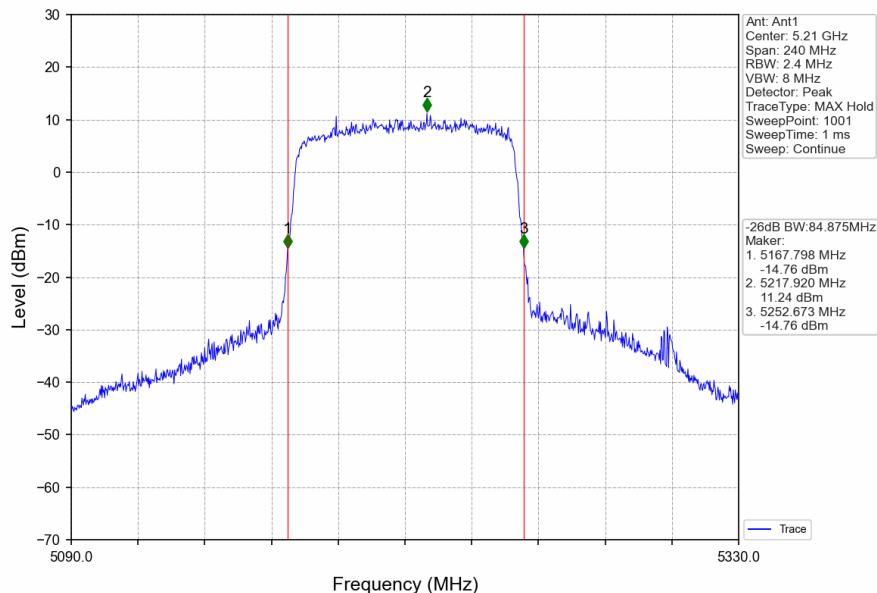
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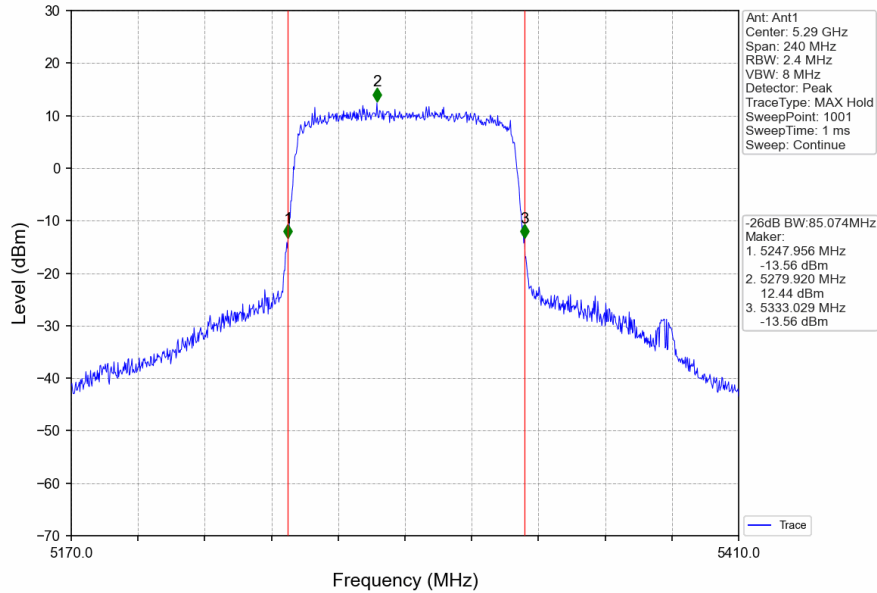
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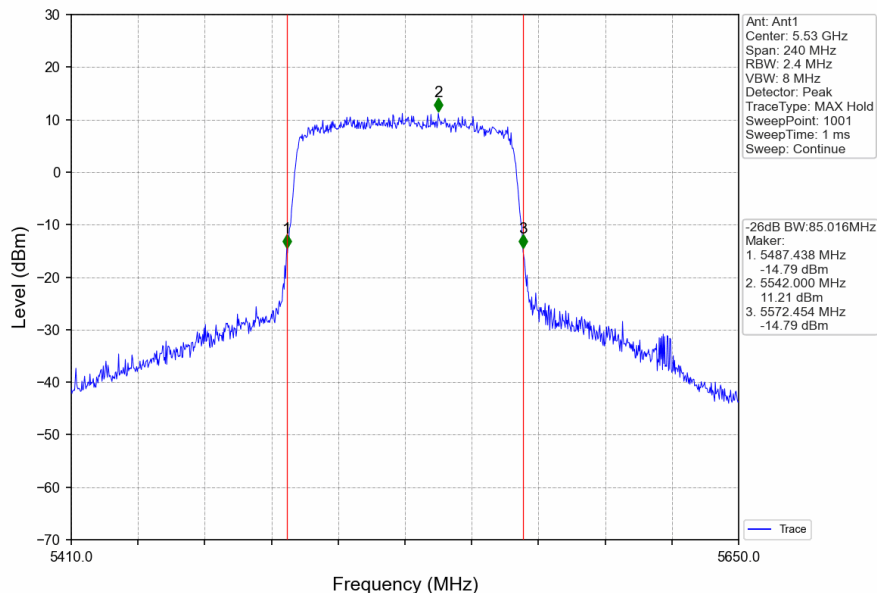
802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant1_NTNV

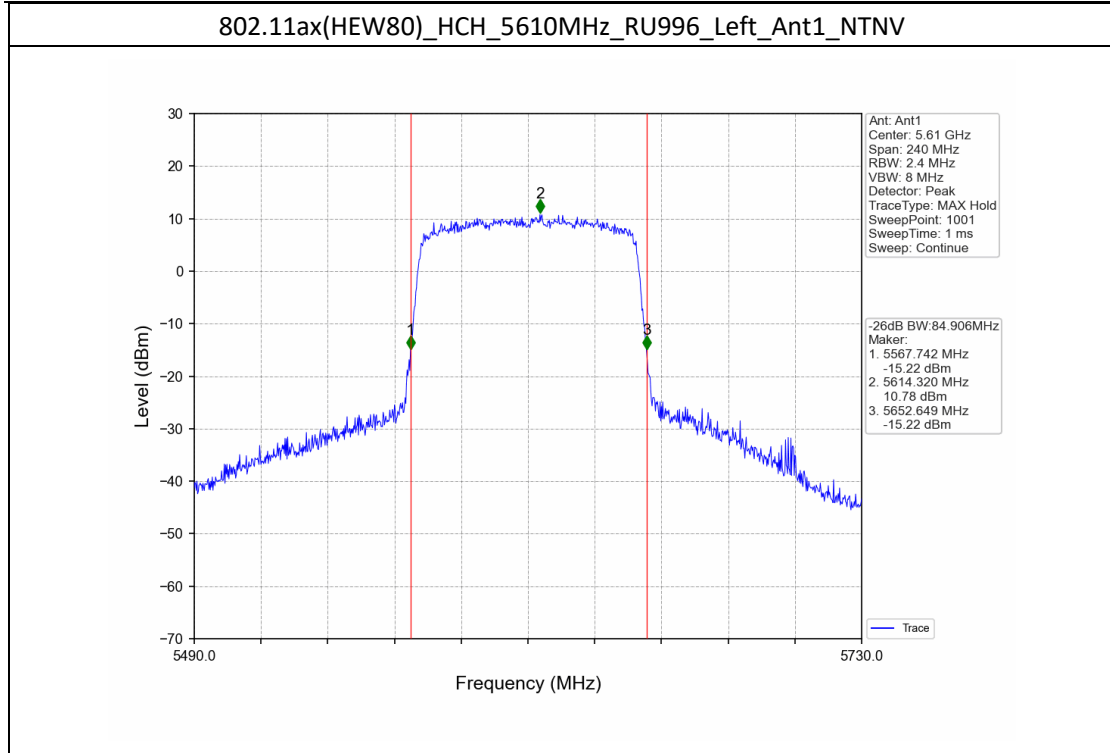


802.11ax(HEW80)_MCH_5290MHz_RU996_Left_Ant1_NTNV



802.11ax(HEW80)_LCH_5530MHz_RU996_Left_Ant1_NTNV





Appendix B: Occupied channel bandwidth

Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant	99% Occupied Bandwidth (MHz)	Verdict
						Result	
802.11a	SISO	5180	/	/	1	16.821	Pass
		5200	/	/	1	16.857	Pass
		5240	/	/	1	16.949	Pass
		5260	/	/	1	16.932	Pass
		5300	/	/	1	16.963	Pass
		5320	/	/	1	17.018	Pass
		5500	/	/	1	17.165	Pass
		5580	/	/	1	16.931	Pass
		5700	/	/	1	17.134	Pass
		5745	/	/	1	17.265	Pass
		5785	/	/	1	17.885	Pass
		5825	/	/	1	20.104	Pass
802.11n (HT20)	MIMO	5180	/	/	1	17.809	Pass
		5200	/	/	1	17.812	Pass
		5240	/	/	1	17.848	Pass
		5260	/	/	1	17.827	Pass
		5300	/	/	1	17.868	Pass
		5320	/	/	1	17.855	Pass
		5500	/	/	1	17.880	Pass
		5580	/	/	1	17.835	Pass
		5700	/	/	1	17.837	Pass
		5745	/	/	1	17.852	Pass
		5785	/	/	1	17.945	Pass
		5825	/	/	1	18.010	Pass
802.11n (HT40)	MIMO	5190	/	/	1	36.112	Pass
		5230	/	/	1	36.116	Pass
		5270	/	/	1	36.137	Pass
		5310	/	/	1	36.159	Pass
		5510	/	/	1	36.136	Pass



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		5550	/	/	1	36.113	Pass
		5670	/	/	1	36.123	Pass
		5755	/	/	1	36.210	Pass
		5795	/	/	1	36.188	Pass
802.11ac (VHT20)	MIMO	5180	/	/	1	17.785	Pass
		5200	/	/	1	17.793	Pass
		5240	/	/	1	17.790	Pass
		5260	/	/	1	17.817	Pass
		5300	/	/	1	17.808	Pass
		5320	/	/	1	17.786	Pass
		5500	/	/	1	17.799	Pass
		5580	/	/	1	17.792	Pass
		5700	/	/	1	17.809	Pass
		5745	/	/	1	17.806	Pass
		5785	/	/	1	17.859	Pass
		5825	/	/	1	17.845	Pass
802.11ac (VHT40)	MIMO	5190	/	/	1	36.124	Pass
		5230	/	/	1	36.102	Pass
		5270	/	/	1	36.156	Pass
		5310	/	/	1	36.162	Pass
		5510	/	/	1	36.135	Pass
		5550	/	/	1	36.116	Pass
		5670	/	/	1	36.144	Pass
		5755	/	/	1	36.265	Pass
		5795	/	/	1	36.146	Pass
802.11ac (VHT80)	MIMO	5210	/	/	1	75.595	Pass
		5290	/	/	1	75.751	Pass
		5530	/	/	1	75.586	Pass
		5610	/	/	1	75.486	Pass
		5775	/	/	1	75.865	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	1	19.025	Pass
		5200	RU242	Left	1	19.028	Pass
		5240	RU242	Left	1	19.026	Pass
		5260	RU242	Left	1	19.035	Pass
		5300	RU242	Left	1	19.047	Pass
		5320	RU242	Left	1	19.062	Pass



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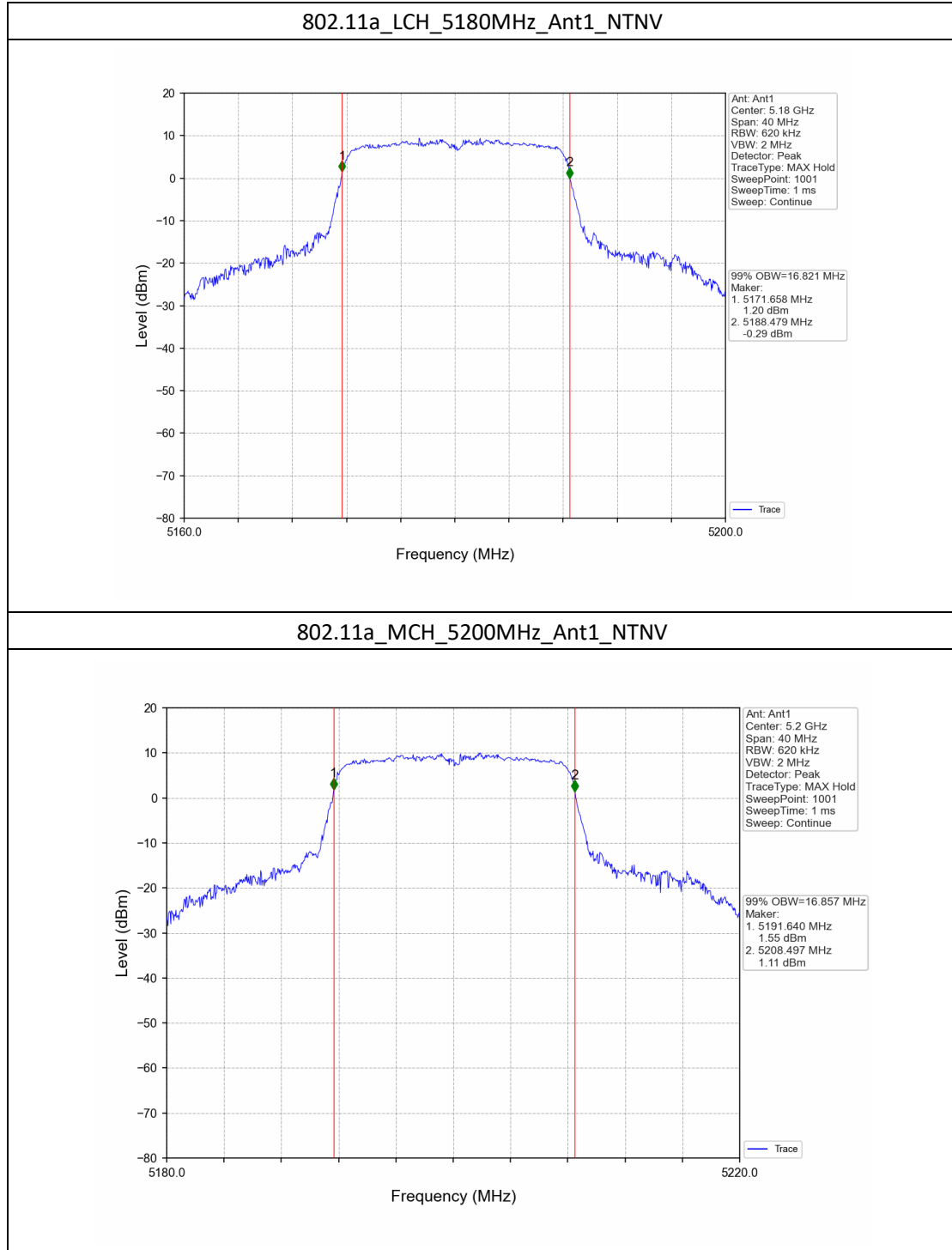
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		5500	RU242	Left	1	19.042	Pass
		5580	RU242	Left	1	19.061	Pass
		5700	RU242	Left	1	19.019	Pass
		5745	RU242	Left	1	19.052	Pass
		5785	RU242	Left	1	19.061	Pass
		5825	RU242	Left	1	19.103	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	1	37.863	Pass
		5230	RU484	Left	1	37.938	Pass
		5270	RU484	Left	1	37.925	Pass
		5310	RU484	Left	1	37.946	Pass
		5510	RU484	Left	1	37.920	Pass
		5550	RU484	Left	1	37.940	Pass
		5670	RU484	Left	1	37.966	Pass
		5755	RU484	Left	1	38.030	Pass
		5795	RU484	Left	1	38.040	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	1	77.394	Pass
		5290	RU996	Left	1	77.576	Pass
		5530	RU996	Left	1	77.395	Pass
		5610	RU996	Left	1	77.270	Pass
		5775	RU996	Left	1	77.692	Pass



Test Graphs



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