

Appendix RF test data for 5G WIFI

1. Duty Cycle

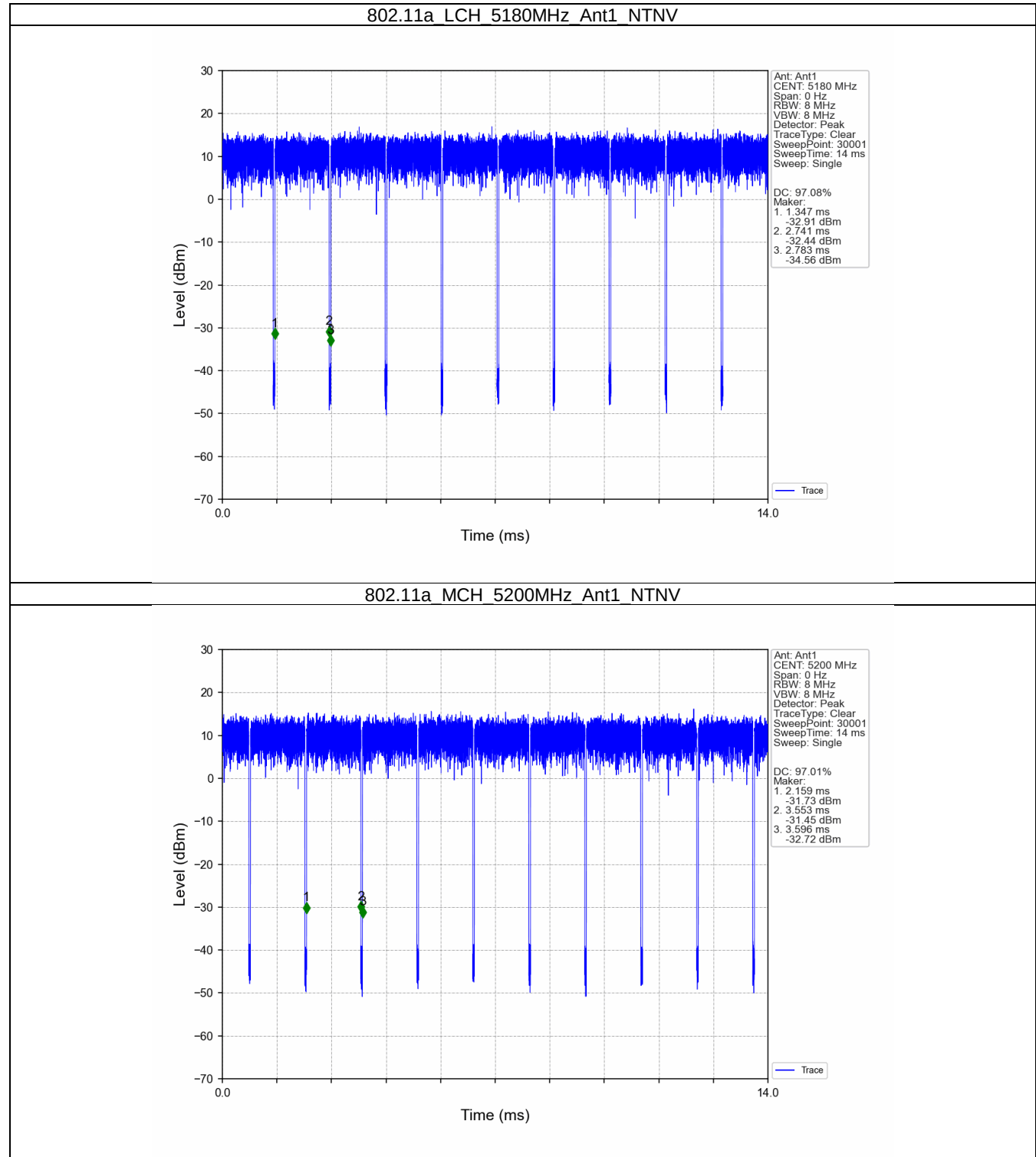
1.1 Test Result

1.1.1 Ant1

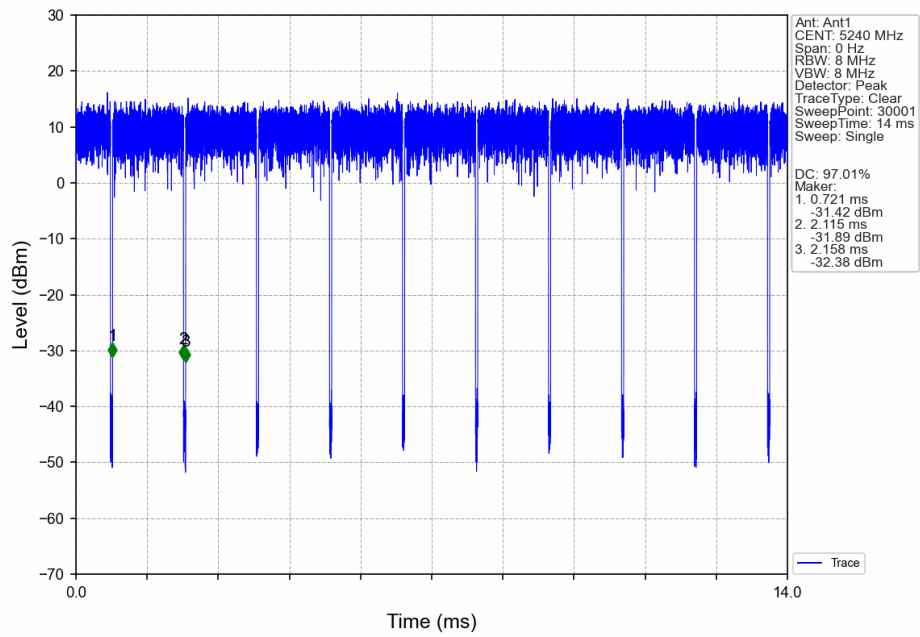
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	1.394	1.436	97.08	0.13	0.00
		5200	/	/	1.394	1.437	97.01	0.13	0.00
		5240	/	/	1.394	1.437	97.01	0.13	0.03
		5745	/	/	1.394	1.436	97.08	0.13	0.03
		5785	/	/	1.394	1.436	97.08	0.13	0.03
		5825	/	/	1.394	1.436	97.08	0.13	0.03
802.11n (HT20)	SISO	5180	/	/	1.302	1.345	96.80	0.14	0.03
		5200	/	/	1.302	1.345	96.80	0.14	0.00
		5240	/	/	1.302	1.345	96.80	0.14	0.00
		5745	/	/	1.302	1.345	96.80	0.14	0.03
		5785	/	/	1.302	1.345	96.80	0.14	0.03
		5825	/	/	1.302	1.344	96.88	0.14	0.03
802.11n (HT40)	SISO	5190	/	/	0.649	0.692	93.79	0.28	0.03
		5230	/	/	0.650	0.692	93.93	0.27	0.03
		5755	/	/	0.649	0.692	93.79	0.28	0.03
		5795	/	/	0.650	0.692	93.93	0.27	0.00
802.11ac (VHT20)	SISO	5180	/	/	1.313	1.356	96.83	0.14	0.00
		5200	/	/	1.314	1.357	96.83	0.14	0.03
		5240	/	/	1.314	1.356	96.90	0.14	0.03
		5745	/	/	1.314	1.356	96.90	0.14	0.03
		5785	/	/	1.314	1.357	96.83	0.14	0.03
		5825	/	/	1.314	1.357	96.83	0.14	0.03
802.11ac (VHT40)	SISO	5190	/	/	0.654	0.697	93.83	0.28	0.07
		5230	/	/	0.654	0.696	93.97	0.27	0.03
		5755	/	/	0.654	0.696	93.97	0.27	0.03
		5795	/	/	0.654	0.696	93.97	0.27	0.00
802.11ac (VHT80)	SISO	5210	/	/	0.326	0.368	88.59	0.53	0.04
		5775	/	/	0.326	0.368	88.59	0.53	0.04
802.11ax (HEW20)	SISO	5180	SU	/	0.653	0.702	93.02	0.31	0.15
		5200	SU	/	0.652	0.701	93.01	0.31	0.16
		5240	SU	/	0.653	0.702	93.02	0.31	0.28
		5745	SU	/	0.652	0.701	93.01	0.31	0.12
		5785	SU	/	0.652	0.702	92.88	0.32	0.34
		5825	SU	/	0.653	0.702	93.02	0.31	0.28
802.11ax (HEW40)	SISO	5190	SU	/	0.647	0.696	92.96	0.32	0.25
		5230	SU	/	0.647	0.696	92.96	0.32	0.35
		5755	SU	/	0.646	0.695	92.95	0.32	0.13
		5795	SU	/	0.647	0.696	92.96	0.32	0.22
802.11ax (HEW80)	SISO	5210	SU	/	0.651	0.699	93.13	0.31	0.28
		5775	SU	/	0.650	0.700	92.86	0.32	0.34

1.2 Test Graph

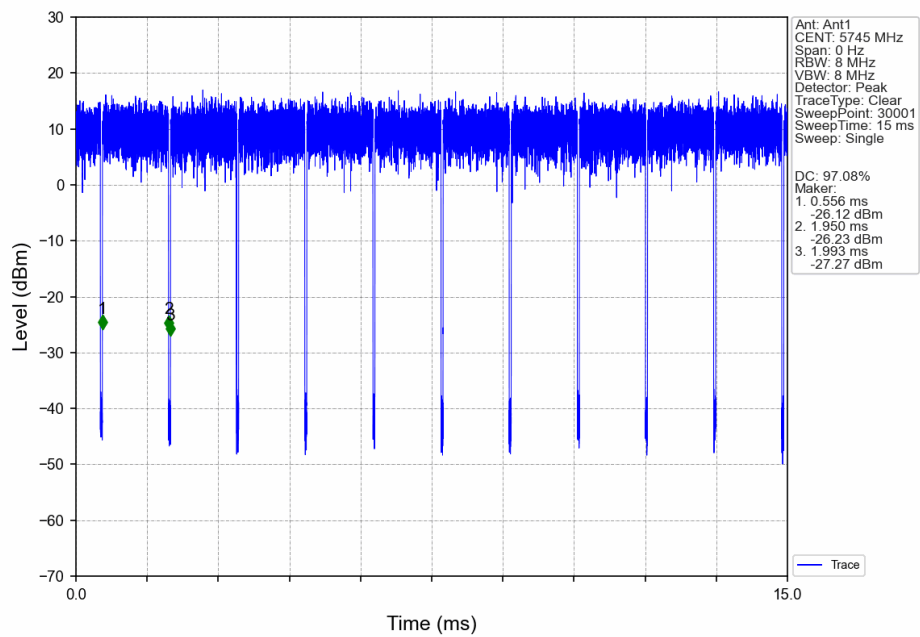
1.2.1 Ant1



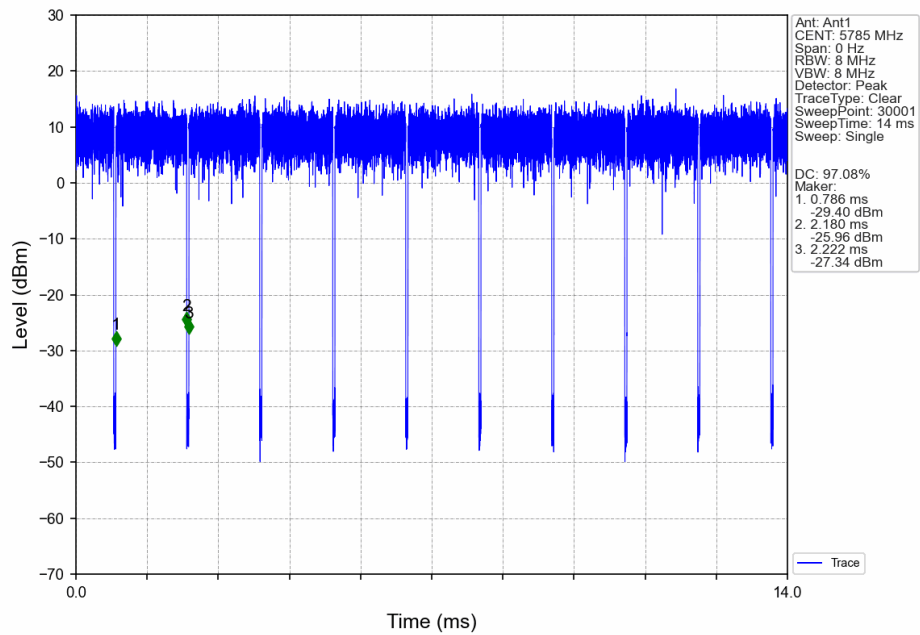
802.11a HCH 5240MHz Ant1 NTN



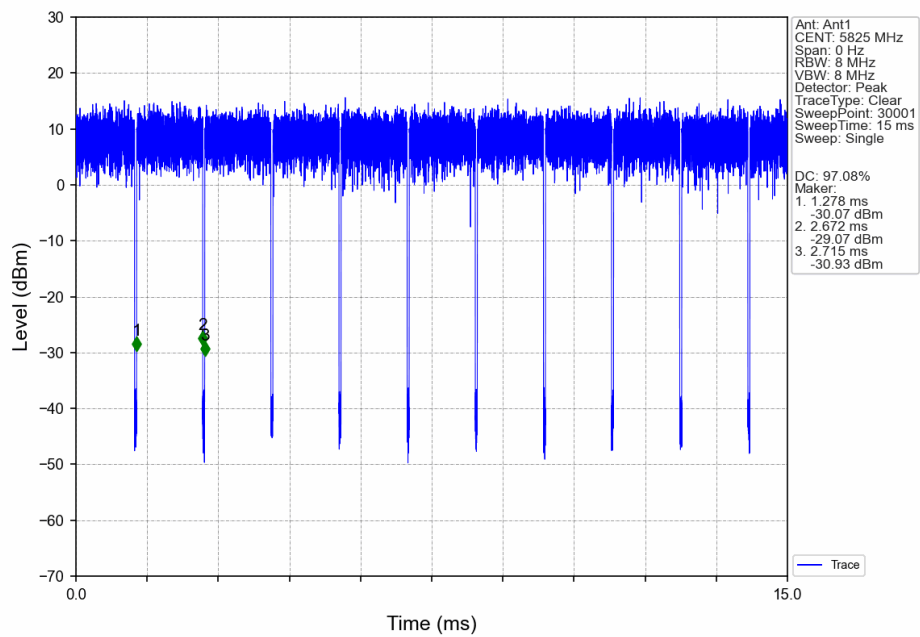
802.11a LCH 5745MHz Ant1 NTN



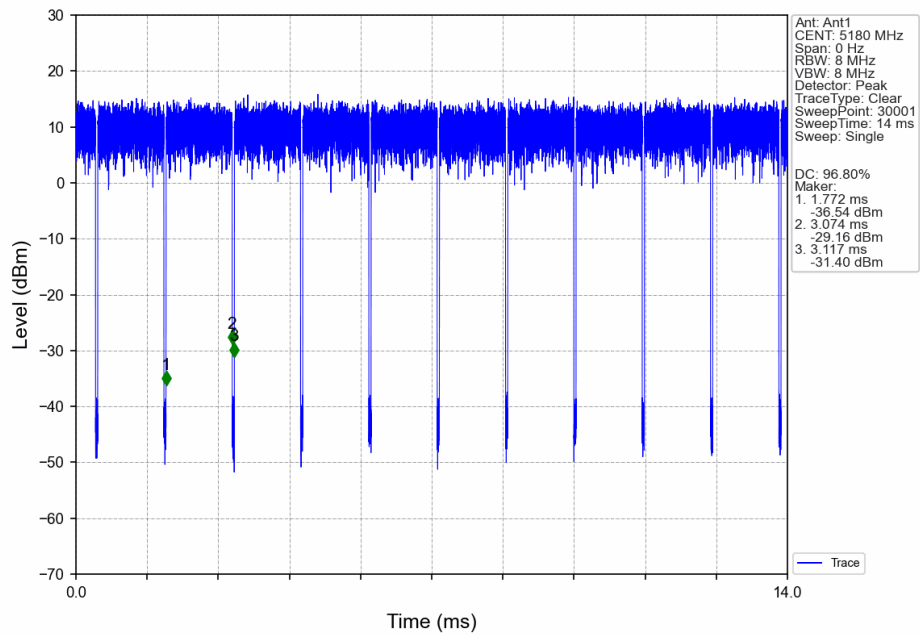
802.11a MCH 5785MHz Ant1 NTN



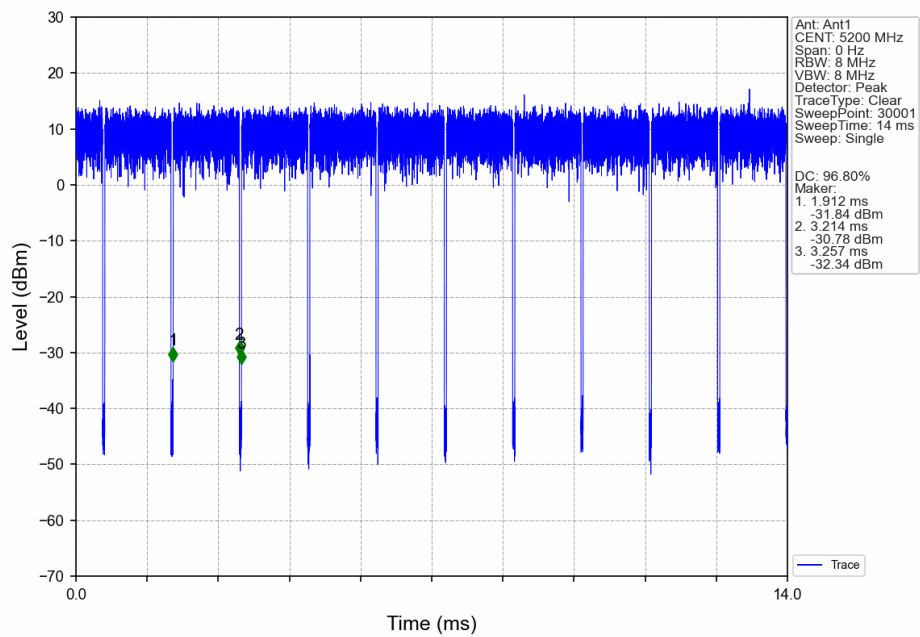
802.11a HCH 5825MHz Ant1 NTN



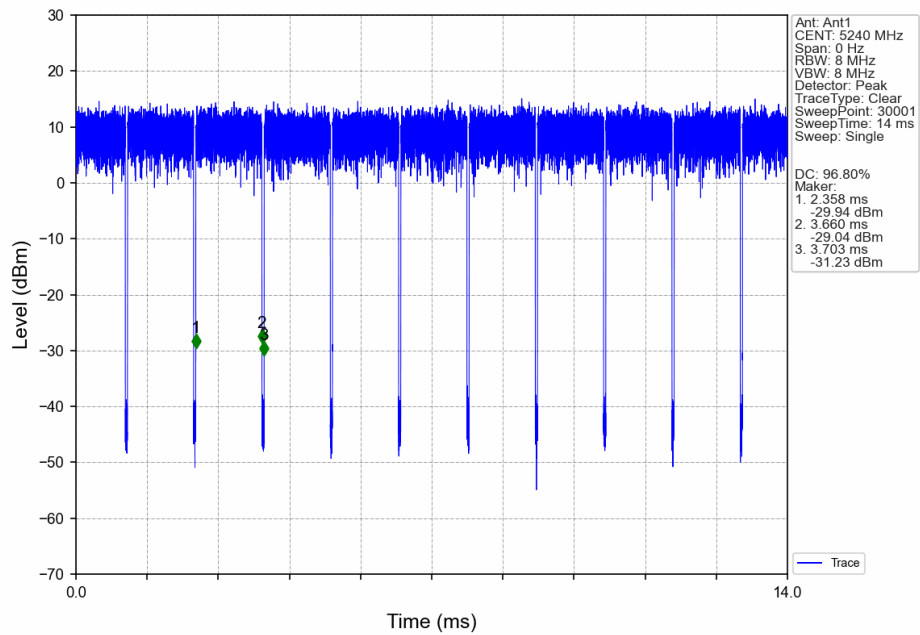
802.11n(HT20) LCH 5180MHz Ant1 NTN



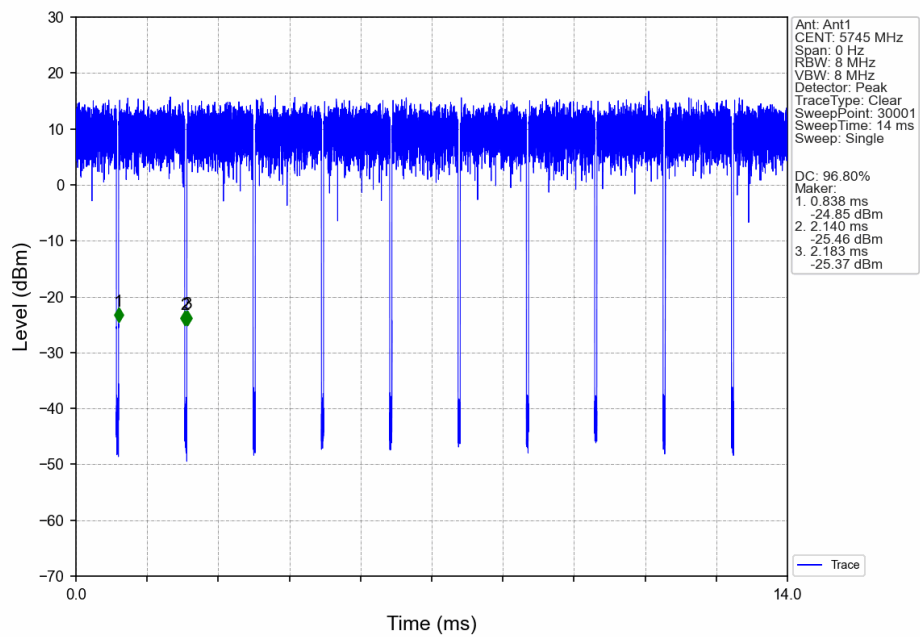
802.11n(HT20) MCH 5200MHz Ant1 NTN



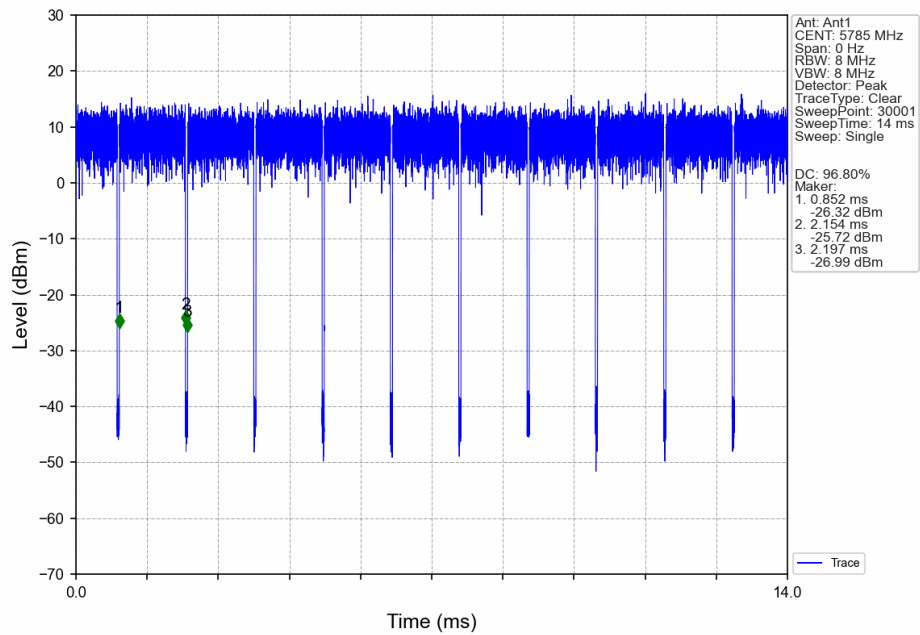
802.11n(HT20) HCH 5240MHz Ant1 NTN



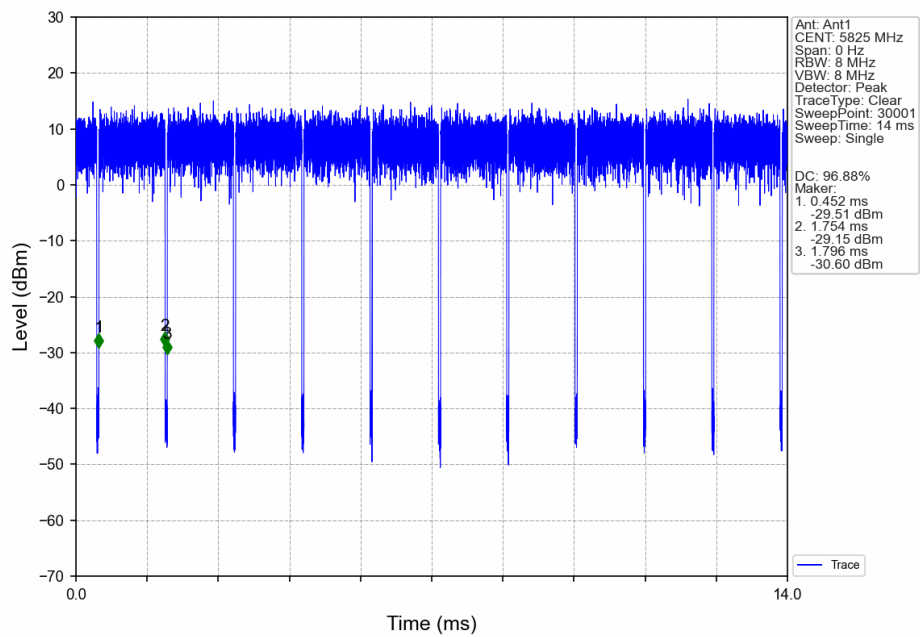
802.11n(HT20) LCH 5745MHz Ant1 NTN



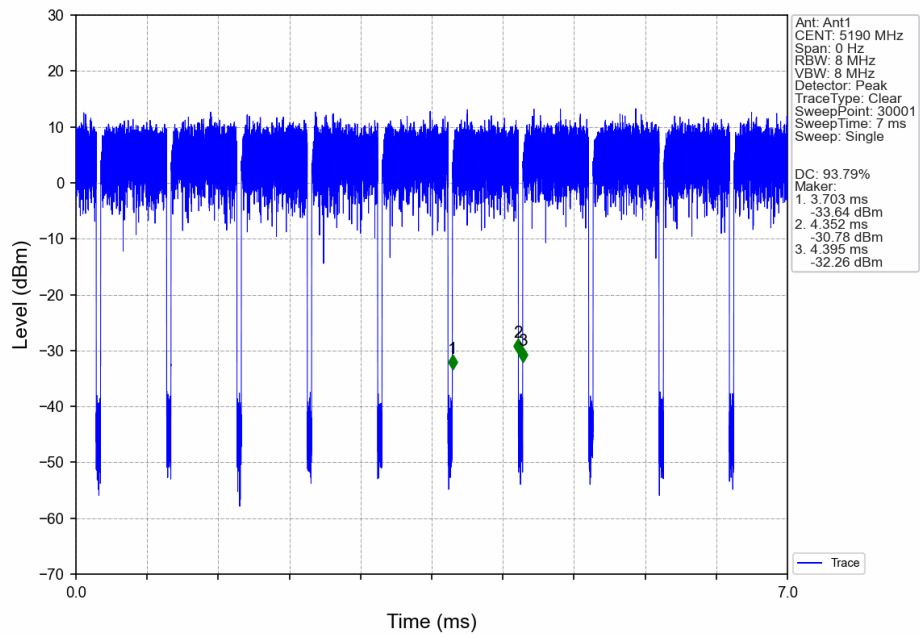
802.11n(HT20) MCH 5785MHz Ant1 NTN



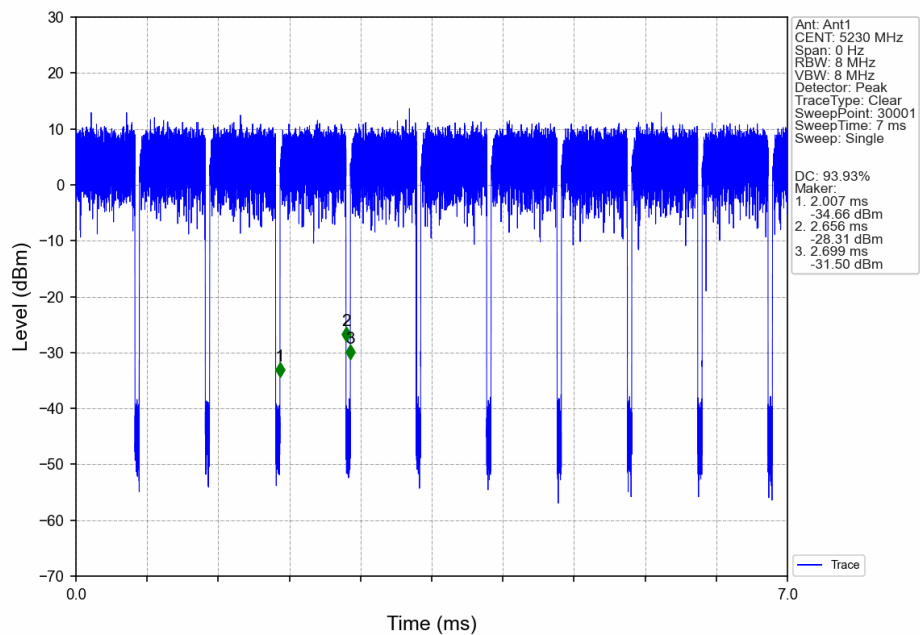
802.11n(HT20) HCH 5825MHz Ant1 NTN



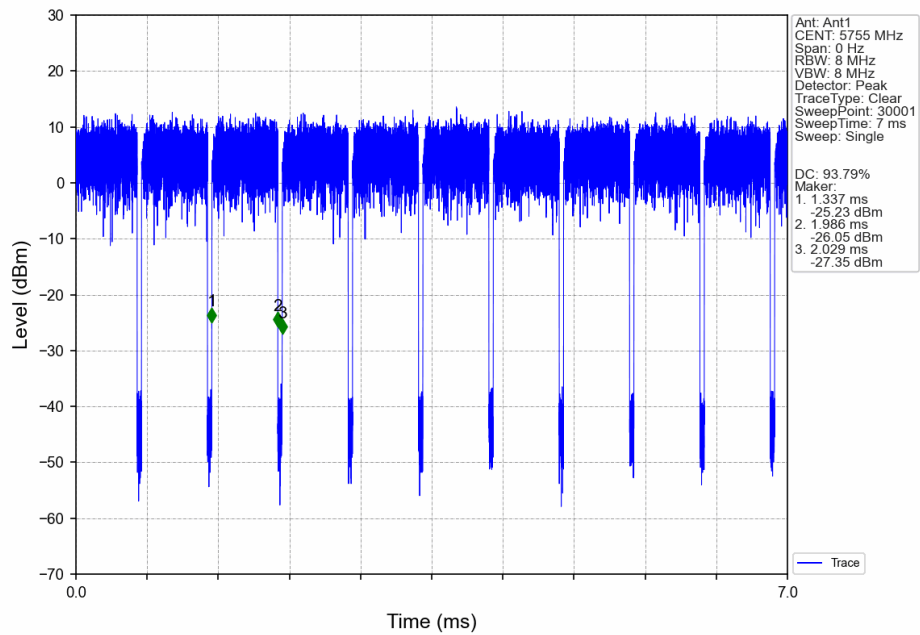
802.11n(HT40) LCH 5190MHz Ant1 NTVN



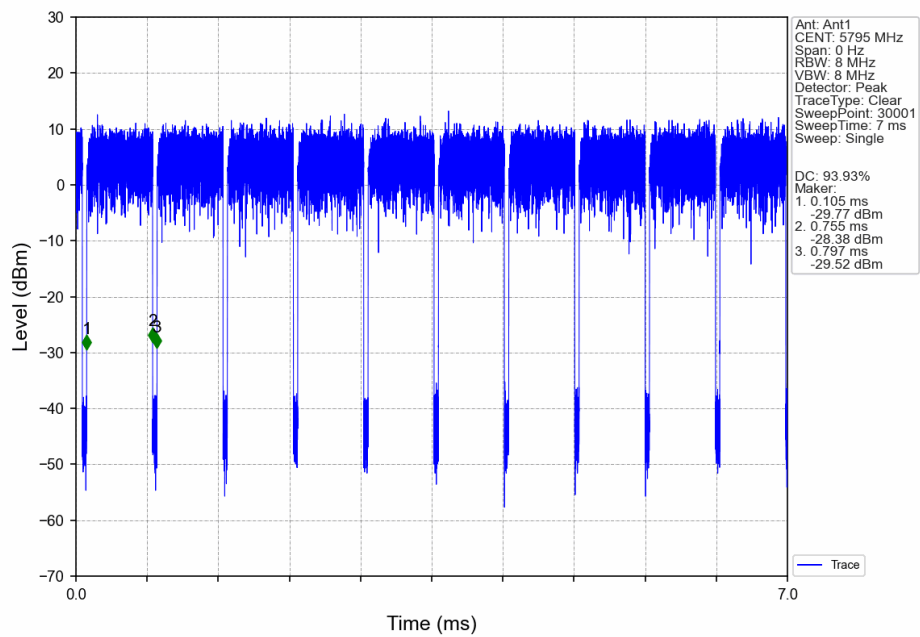
802.11n(HT40) HCH 5230MHz Ant1 NTVN



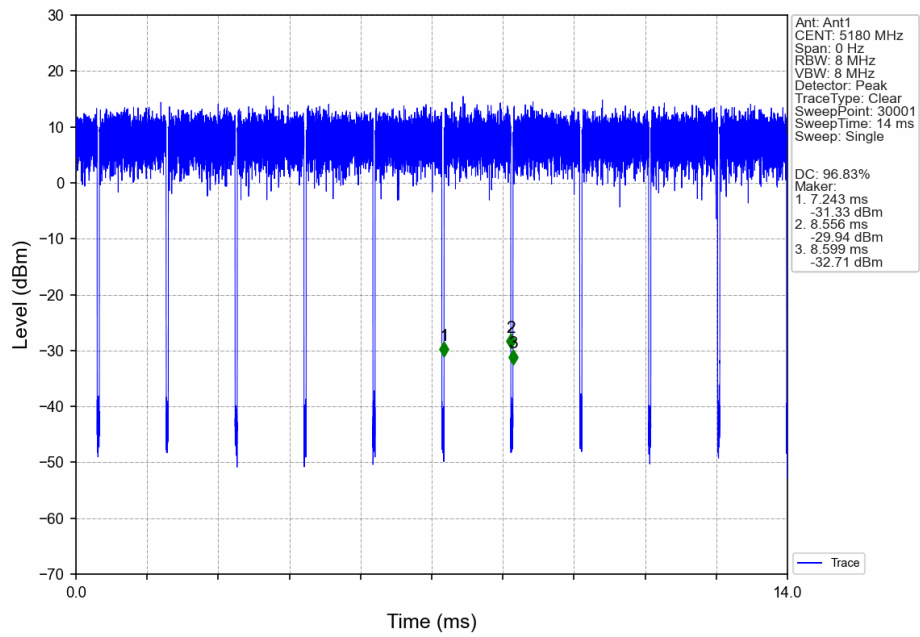
802.11n(HT40) LCH 5755MHz Ant1 NTN



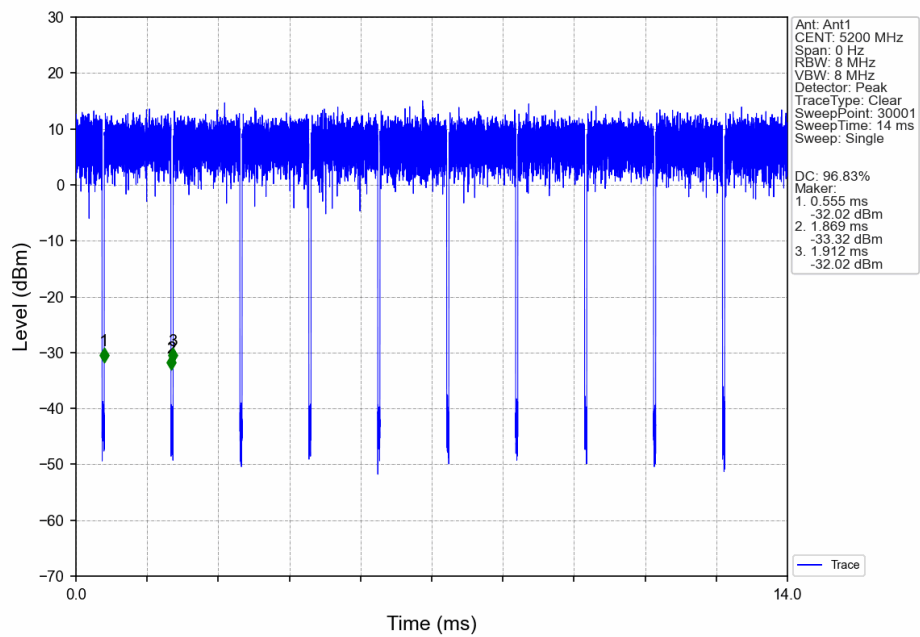
802.11n(HT40) HCH 5795MHz Ant1 NTN



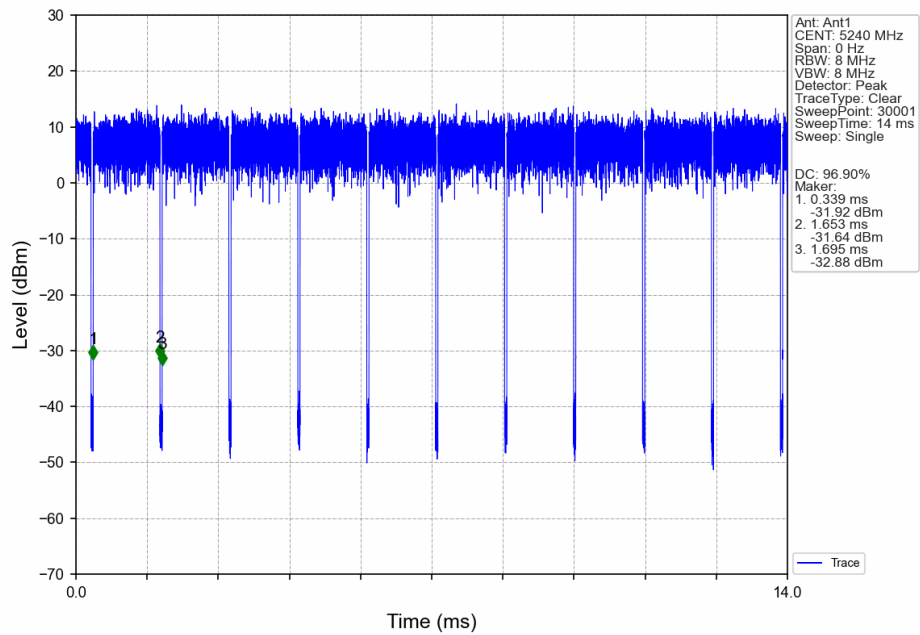
802.11ac(VHT20) LCH 5180MHz Ant1 NTVN



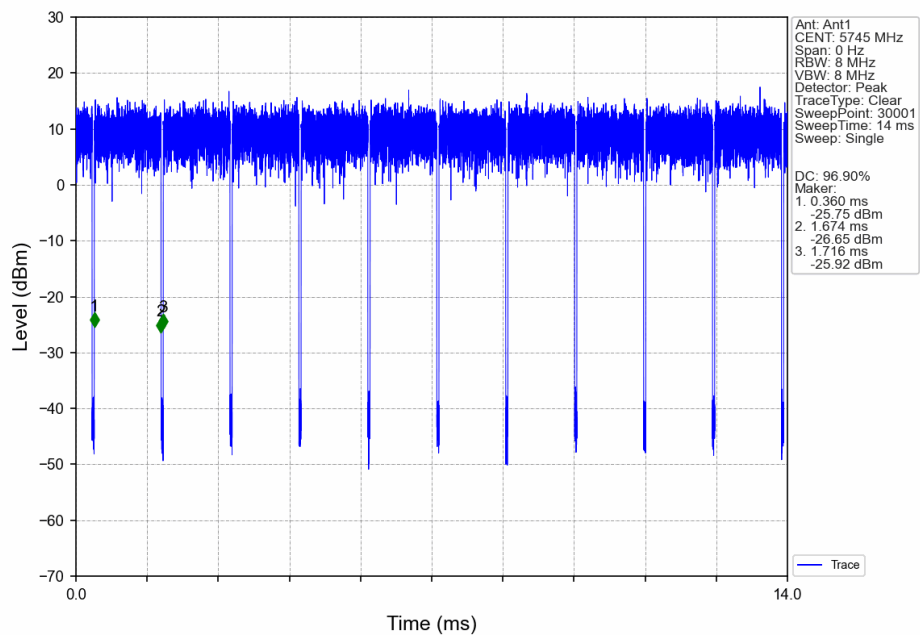
802.11ac(VHT20) MCH 5200MHz Ant1 NTVN



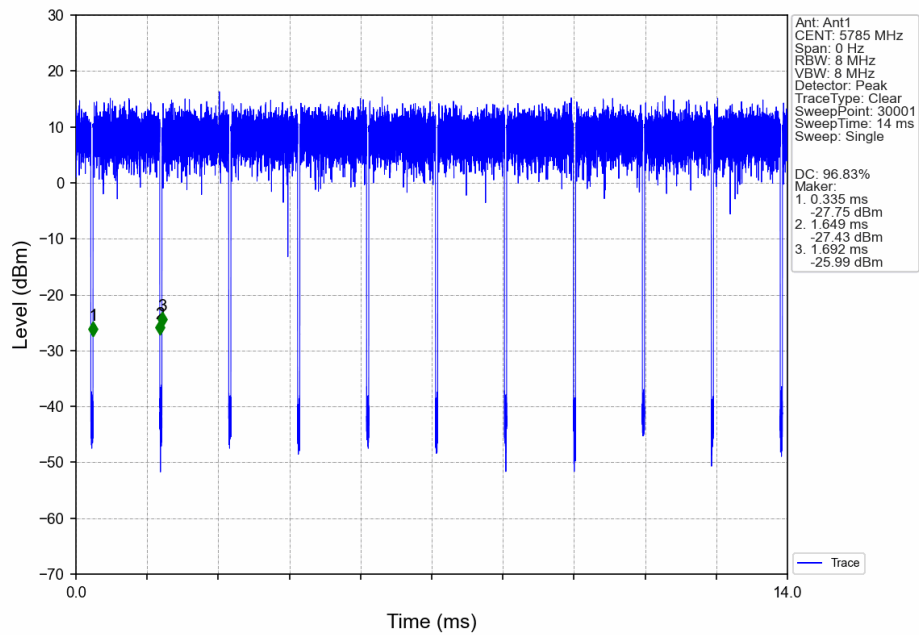
802.11ac(VHT20) HCH 5240MHz Ant1 NTV



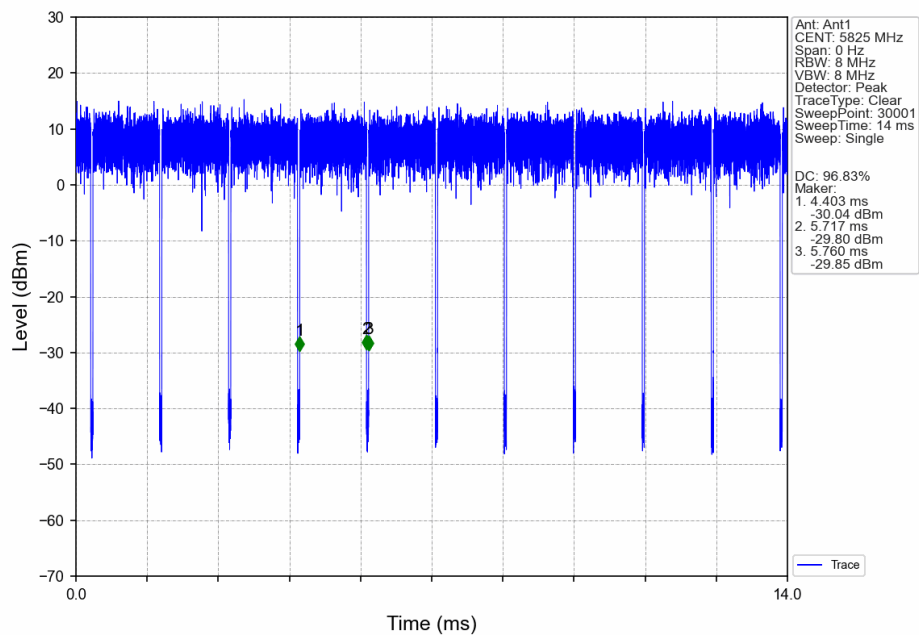
802.11ac(VHT20) LCH 5745MHz Ant1 NTV



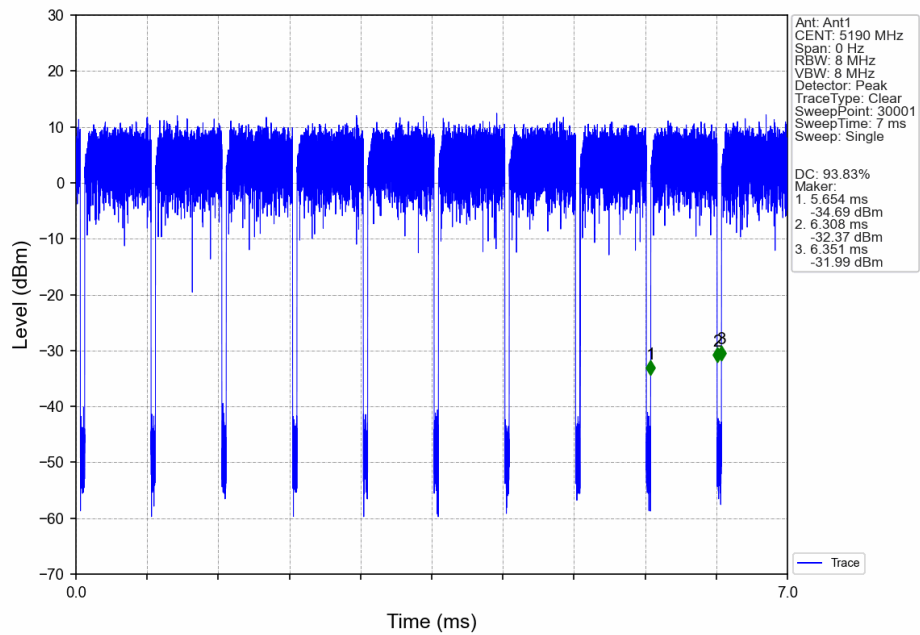
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



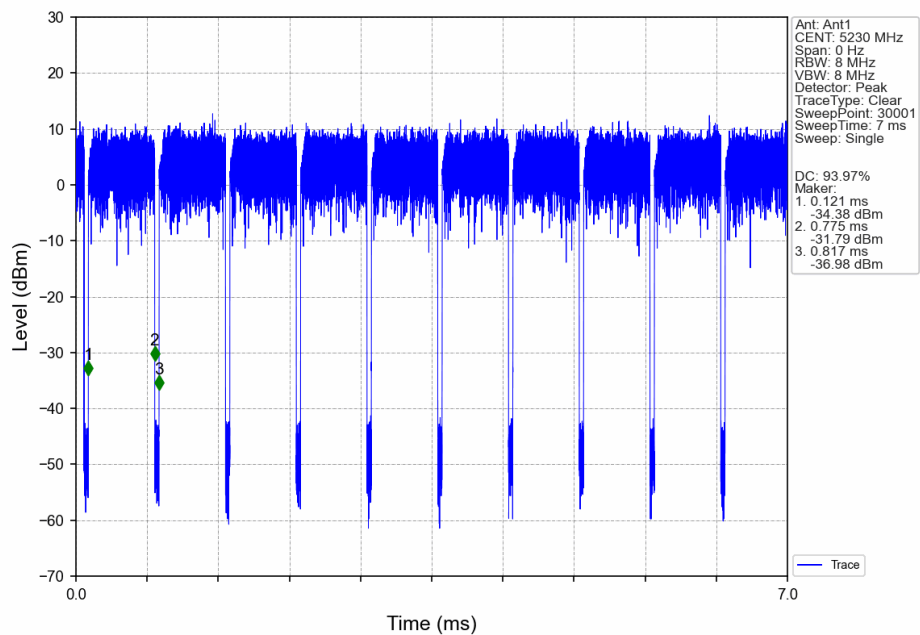
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



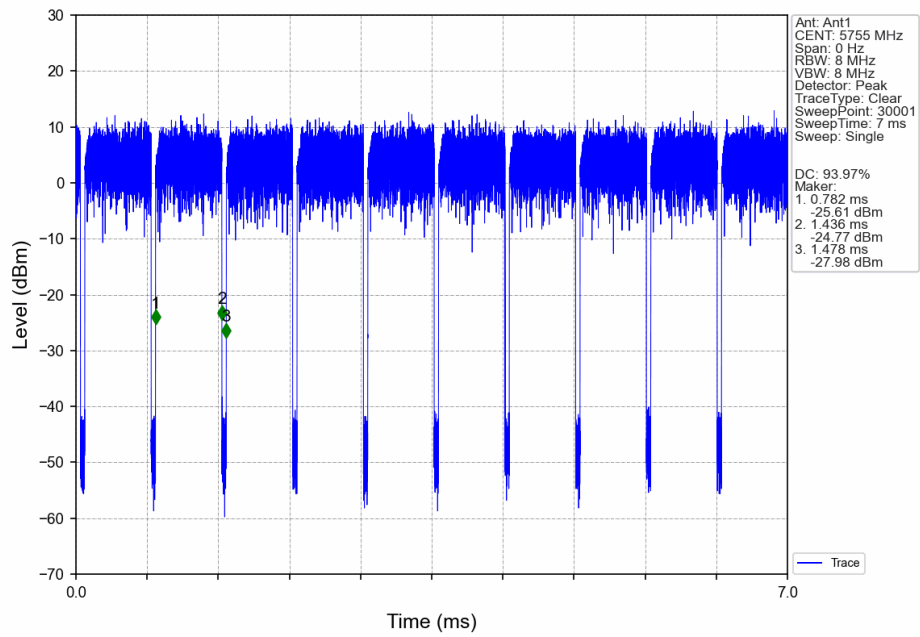
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



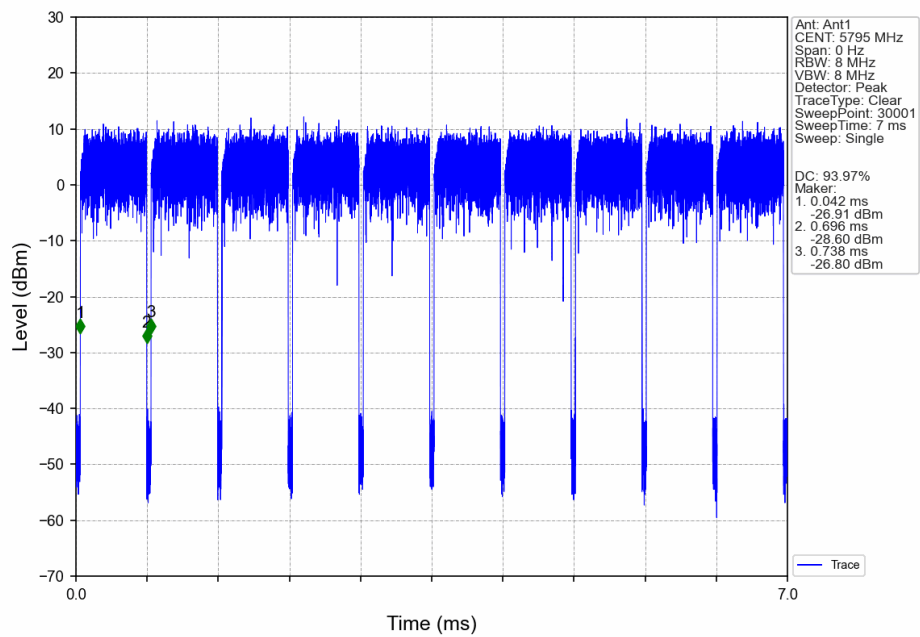
802.11ac(VHT40) HCH 5230MHz Ant1 NTN



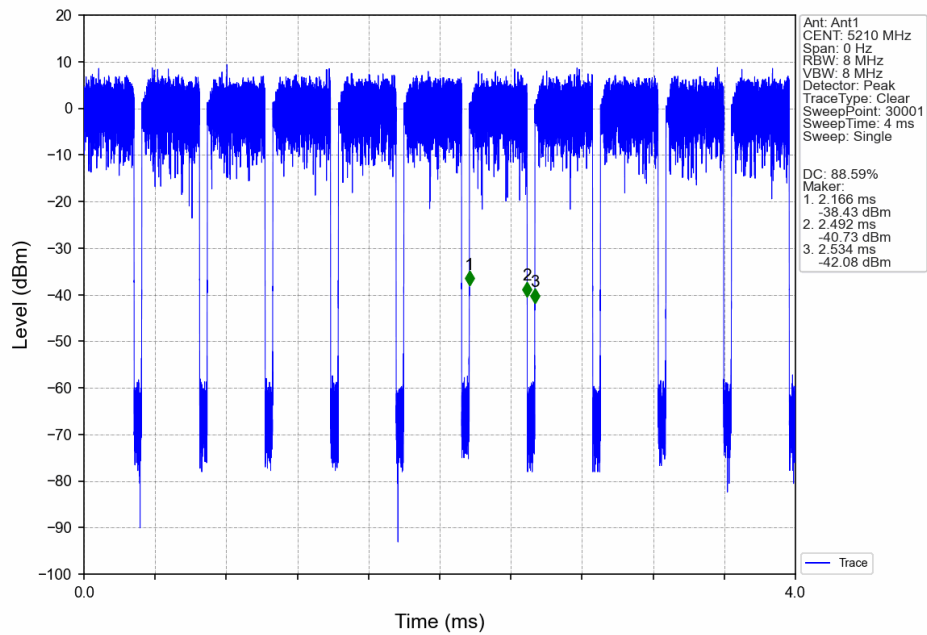
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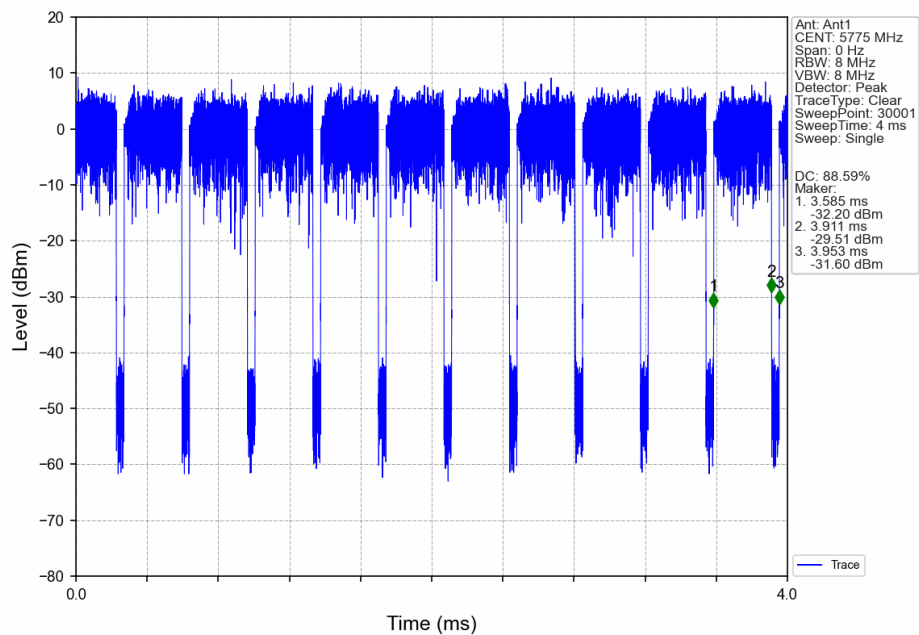
802.11ac(VHT40) HCH 5795MHz Ant1 NTN



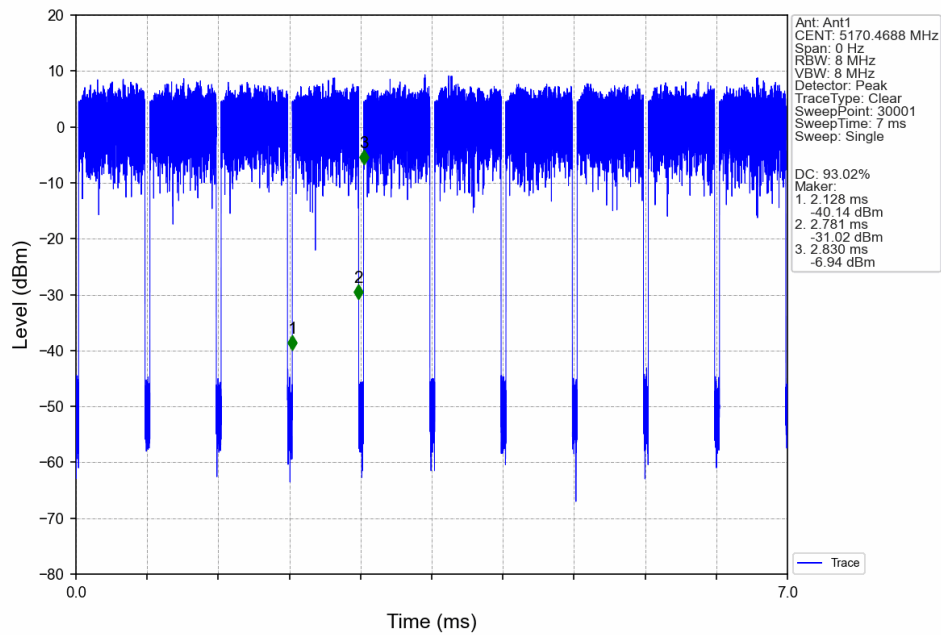
802.11ac(VHT80) MCH 5210MHz Ant1 NTN



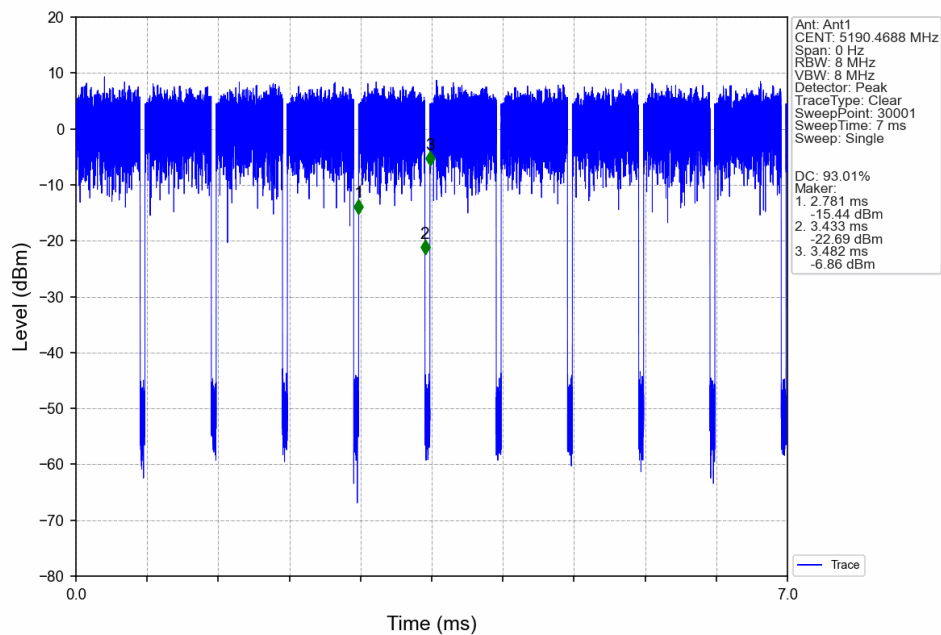
802.11ac(VHT80) MCH 5775MHz Ant1 NTN



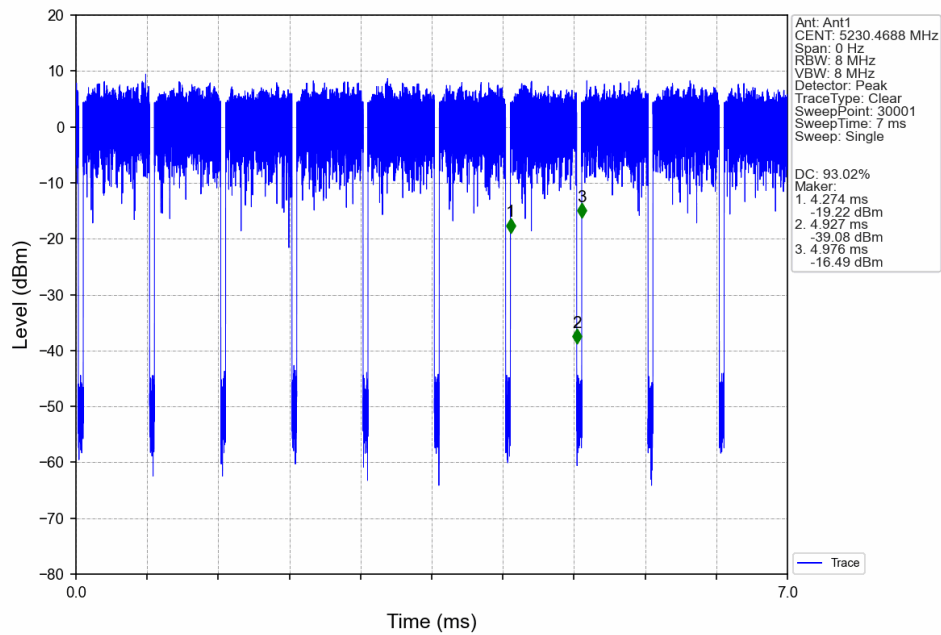
802.11ax(HEW20) LCH 5180MHz SU / Ant1 NTN



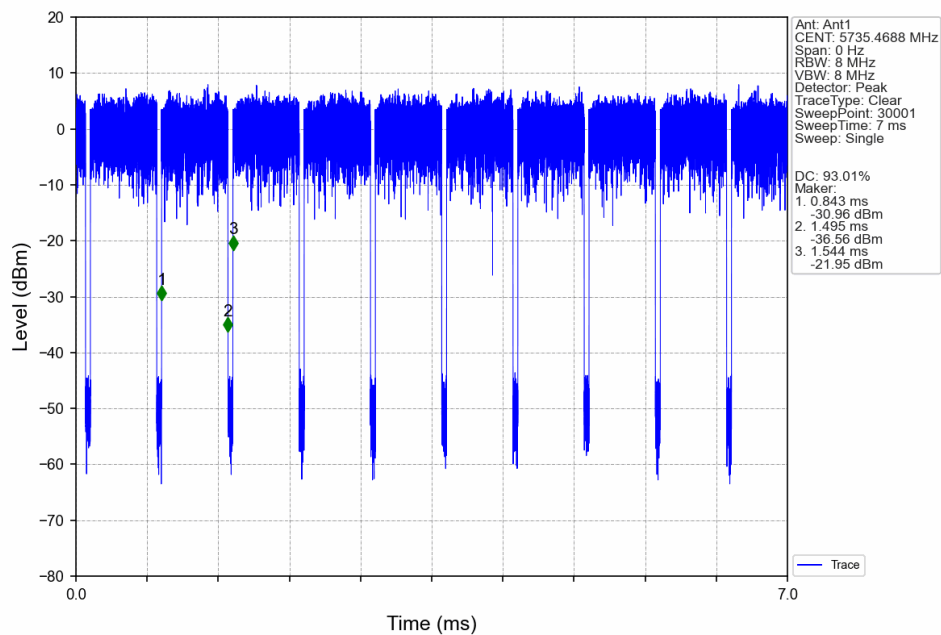
802.11ax(HEW20) MCH 5200MHz SU / Ant1 NTN



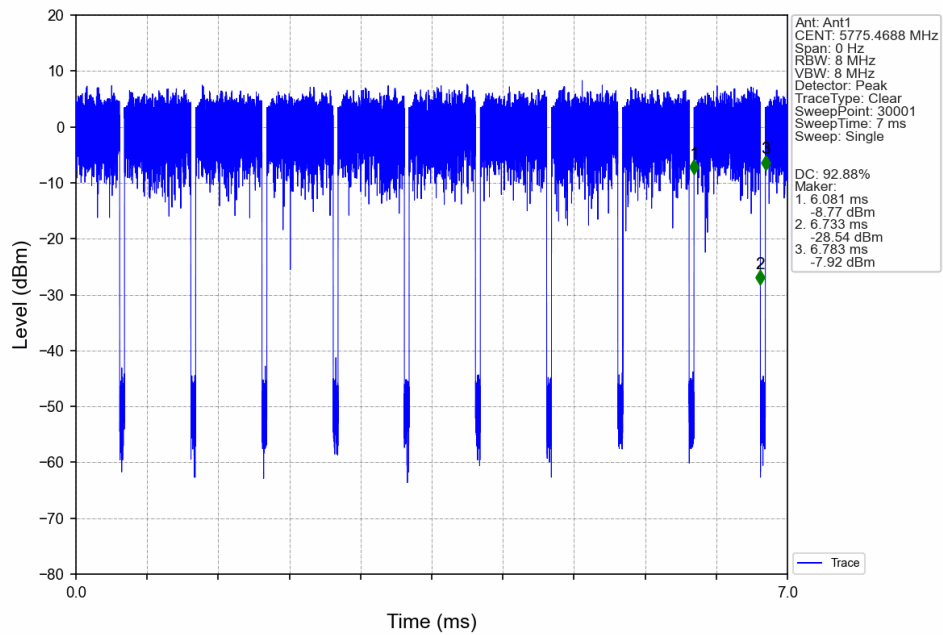
802.11ax(HEW20) HCH 5240MHz SU / Ant1 NTN



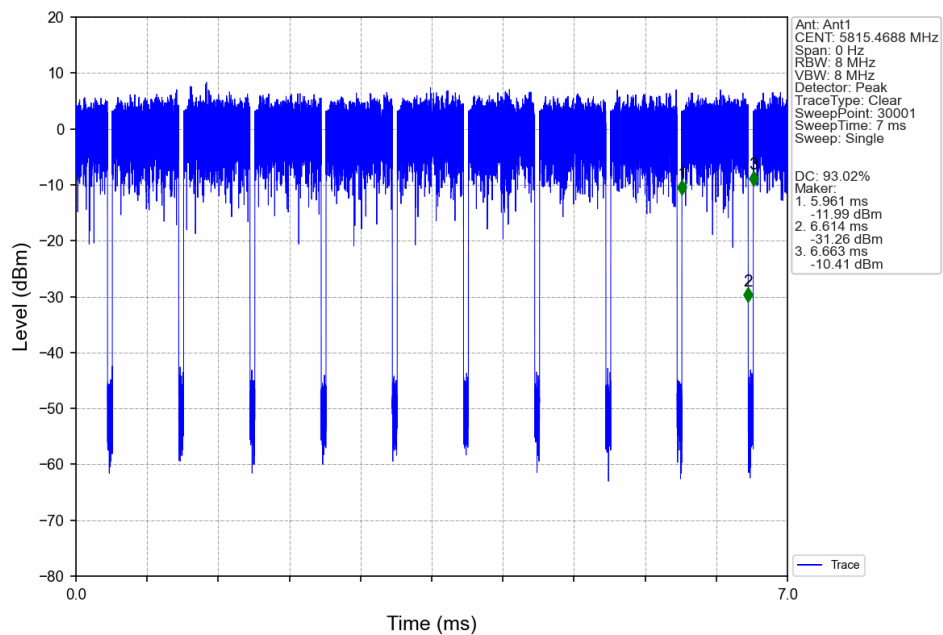
802.11ax(HEW20) LCH 5745MHz SU / Ant1 NTN



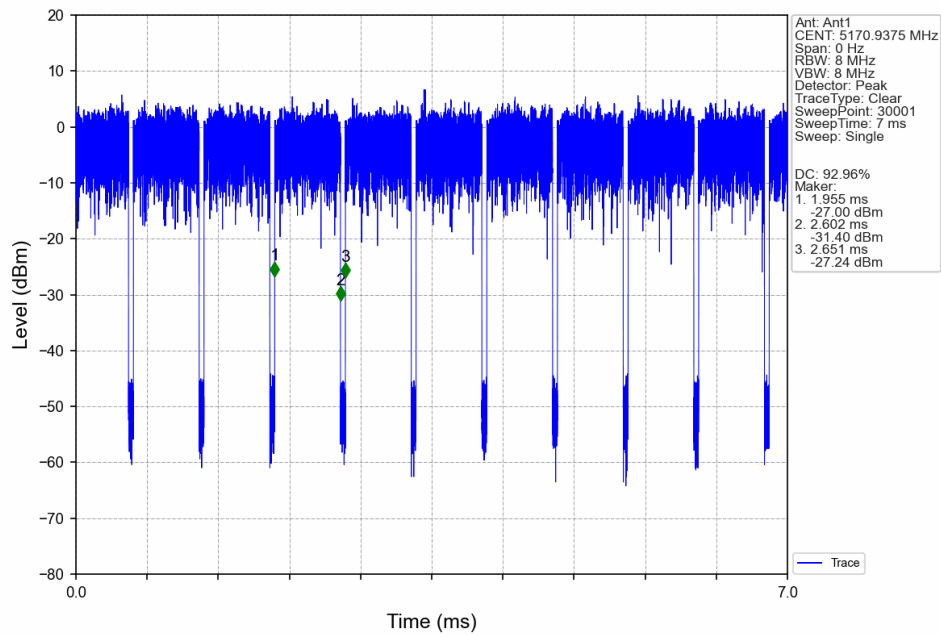
802.11ax(HEW20) MCH 5785MHz SU / Ant1 NTN



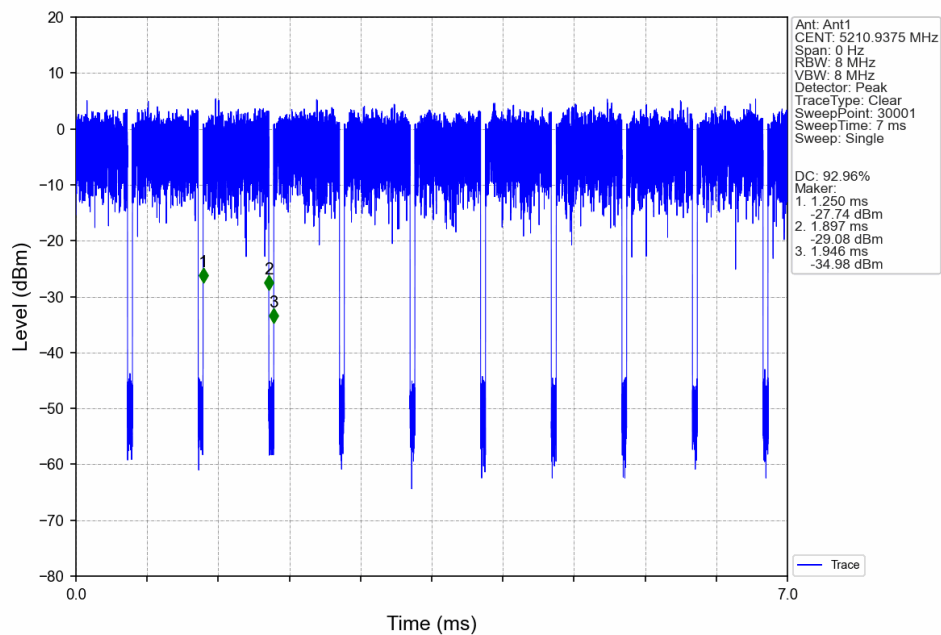
802.11ax(HEW20) HCH 5825MHz SU / Ant1 NTN



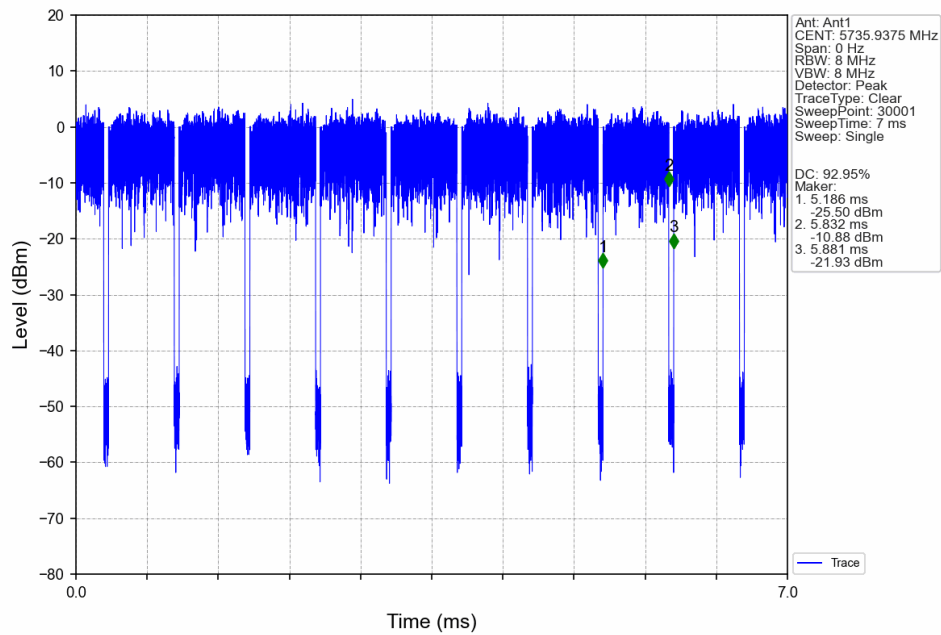
802.11ax(HEW40) LCH 5190MHz SU / Ant1 NTN



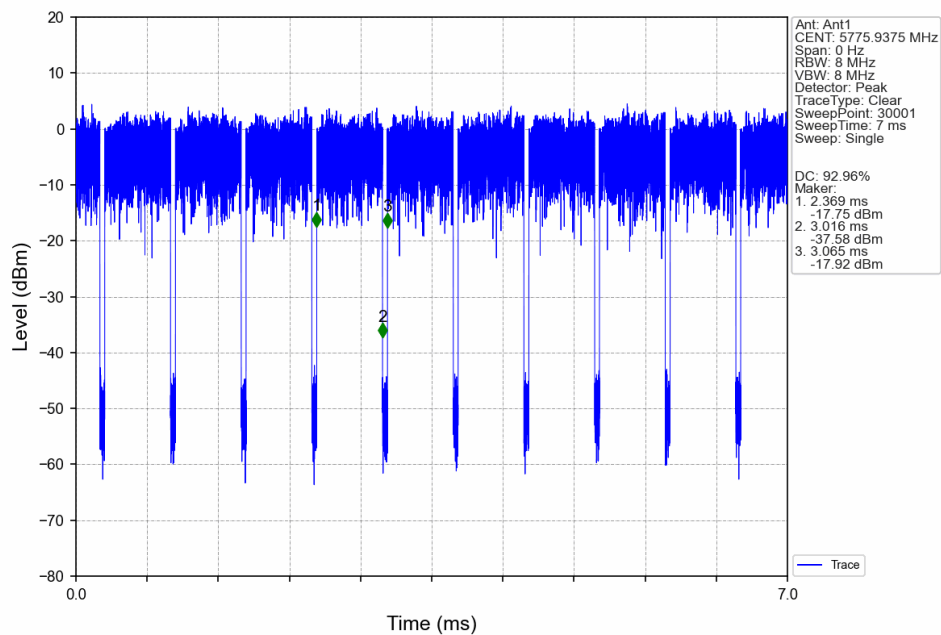
802.11ax(HEW40) HCH 5230MHz SU / Ant1 NTN



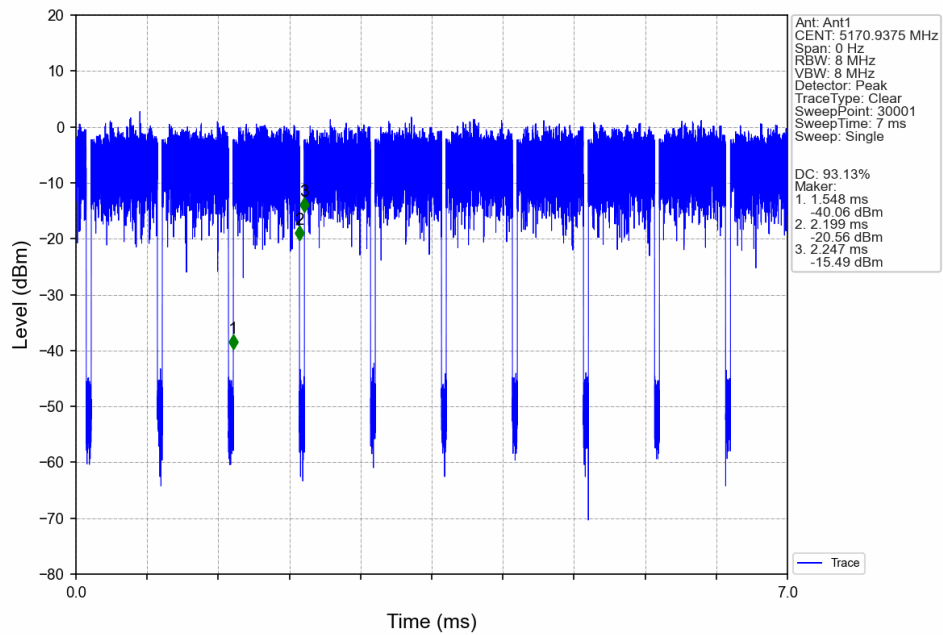
802.11ax(HEW40) LCH 5755MHz SU / Ant1 NTN



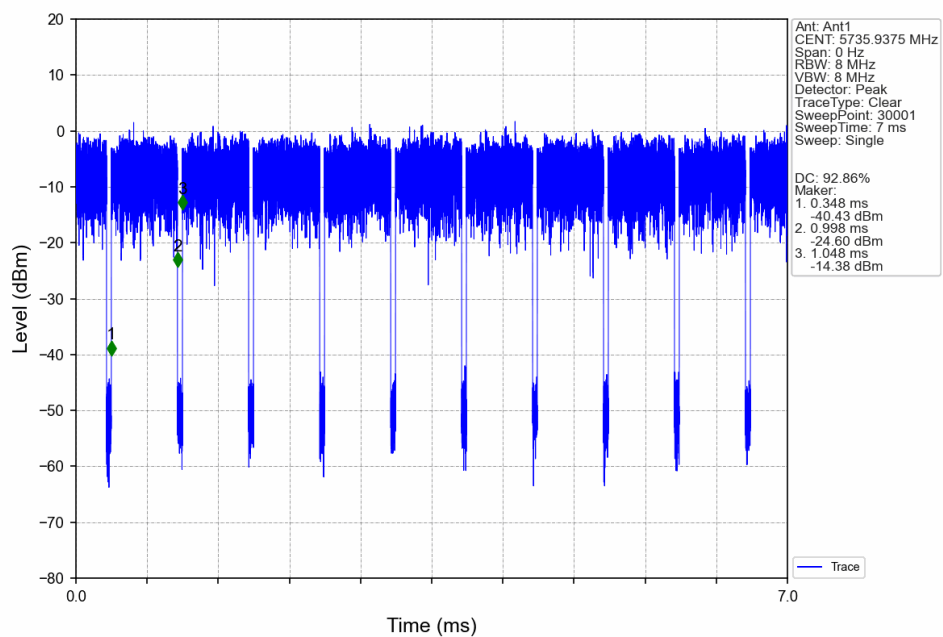
802.11ax(HEW40) HCH 5795MHz SU / Ant1 NTN



802.11ax(HEW80) MCH 5210MHz SU / Ant1 NTN



802.11ax(HEW80) MCH 5775MHz SU / Ant1 NTN



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	17.485	/	Pass
		5200	/	/	1	17.573	/	Pass
		5240	/	/	1	17.571	/	Pass
		5745	/	/	1	17.058	/	Pass
		5785	/	/	1	17.152	/	Pass
		5825	/	/	1	17.103	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	18.316	/	Pass
		5200	/	/	1	18.378	/	Pass
		5240	/	/	1	18.397	/	Pass
		5745	/	/	1	18.015	/	Pass
		5785	/	/	1	18.093	/	Pass
		5825	/	/	1	17.976	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	36.817	/	Pass
		5230	/	/	1	36.669	/	Pass
		5755	/	/	1	36.315	/	Pass
		5795	/	/	1	36.398	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	18.040	/	Pass
		5200	/	/	1	18.004	/	Pass
		5240	/	/	1	18.078	/	Pass
		5745	/	/	1	17.984	/	Pass
		5785	/	/	1	18.015	/	Pass
		5825	/	/	1	17.979	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	36.456	/	Pass
		5230	/	/	1	36.409	/	Pass
		5755	/	/	1	36.167	/	Pass
		5795	/	/	1	36.221	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	75.960	/	Pass
		5775	/	/	1	75.470	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	18.881	/	Pass
		5200	SU	/	1	18.986	/	Pass
		5240	SU	/	1	18.909	/	Pass
		5745	SU	/	1	18.901	/	Pass
		5785	SU	/	1	18.906	/	Pass
		5825	SU	/	1	18.880	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	37.775	/	Pass
		5230	SU	/	1	37.671	/	Pass
		5755	SU	/	1	37.679	/	Pass
		5795	SU	/	1	37.562	/	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	76.949	/	Pass
		5775	SU	/	1	76.681	/	Pass

2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	29.870	/	Pass

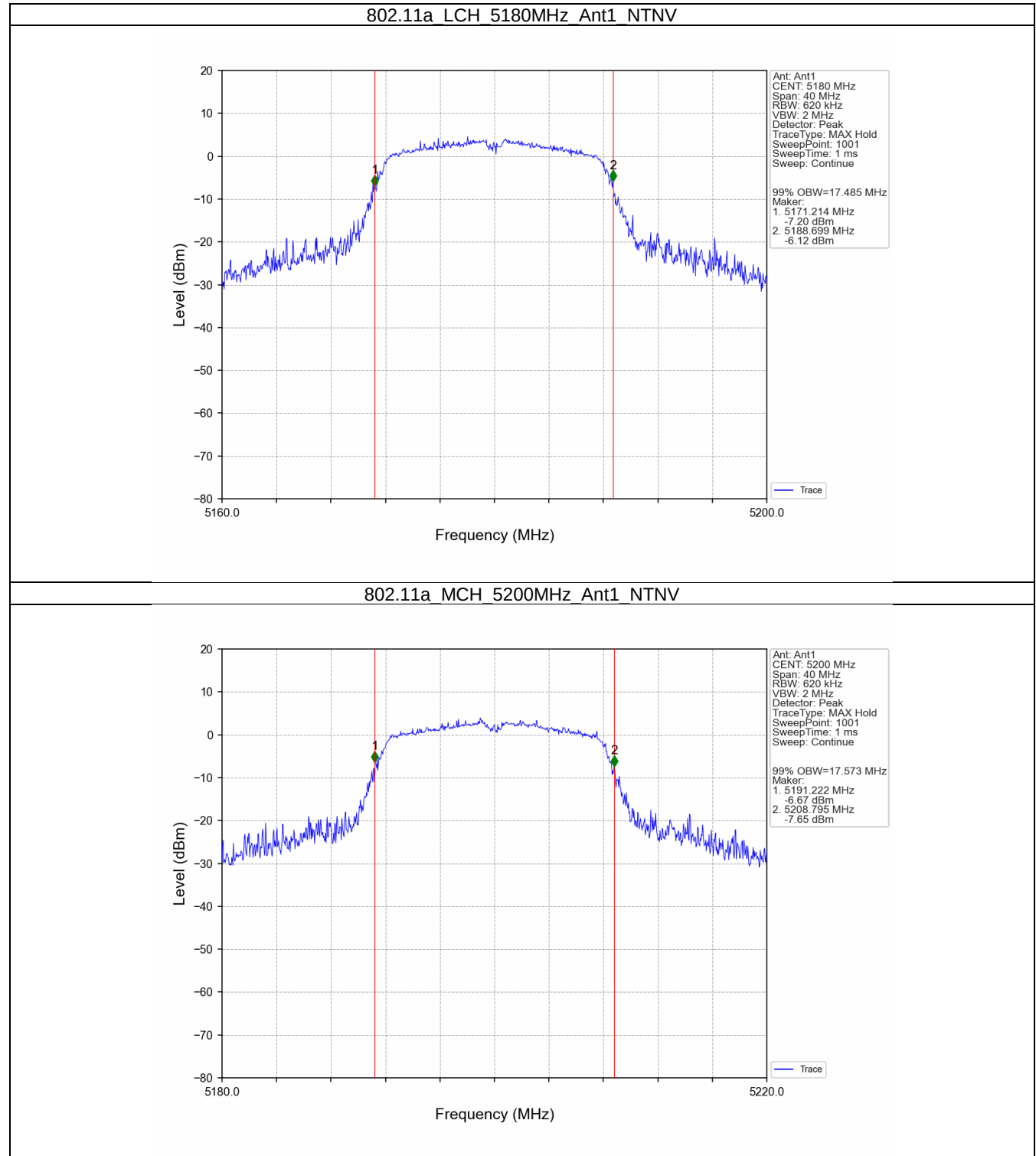
		5200	/	/	1	27.734	/	Pass
		5240	/	/	1	31.010	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	29.170	/	Pass
		5200	/	/	1	33.536	/	Pass
		5240	/	/	1	29.490	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	68.887	/	Pass
		5230	/	/	1	64.421	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	22.230	/	Pass
		5200	/	/	1	23.078	/	Pass
		5240	/	/	1	23.266	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	45.886	/	Pass
		5230	/	/	1	48.863	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	81.649	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	22.439	/	Pass
		5200	SU	/	1	23.835	/	Pass
		5240	SU	/	1	23.790	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	43.276	/	Pass
		5230	SU	/	1	42.802	/	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	83.167	/	Pass

2.1.3 6dB BW

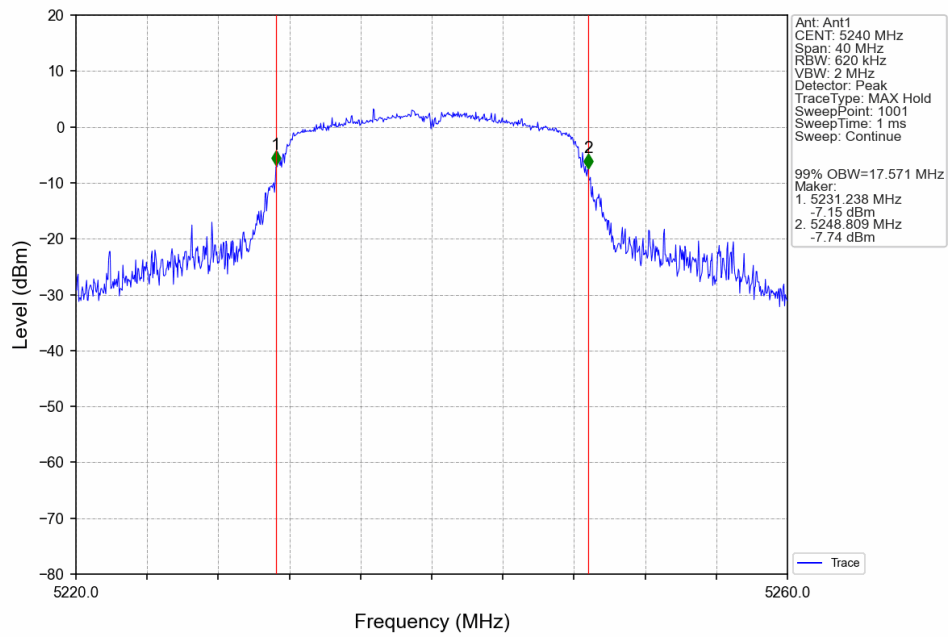
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	15.168	>=0.5	Pass
		5785	/	/	1	15.083	>=0.5	Pass
		5825	/	/	1	13.864	>=0.5	Pass
802.11n (HT20)	SISO	5745	/	/	1	15.099	>=0.5	Pass
		5785	/	/	1	16.021	>=0.5	Pass
		5825	/	/	1	15.591	>=0.5	Pass
802.11n (HT40)	SISO	5755	/	/	1	35.143	>=0.5	Pass
		5795	/	/	1	35.078	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	15.084	>=0.5	Pass
		5785	/	/	1	15.674	>=0.5	Pass
		5825	/	/	1	15.392	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	35.126	>=0.5	Pass
		5795	/	/	1	35.065	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	/	/	1	75.139	>=0.5	Pass
802.11ax (HEW20)	SISO	5745	SU	/	1	13.935	>=0.5	Pass
		5785	SU	/	1	16.415	>=0.5	Pass
		5825	SU	/	1	15.163	>=0.5	Pass
802.11ax (HEW40)	SISO	5755	SU	/	1	35.086	>=0.5	Pass
		5795	SU	/	1	34.693	>=0.5	Pass
802.11ax (HEW80)	SISO	5775	SU	/	1	72.625	>=0.5	Pass

2.2 Test Graph

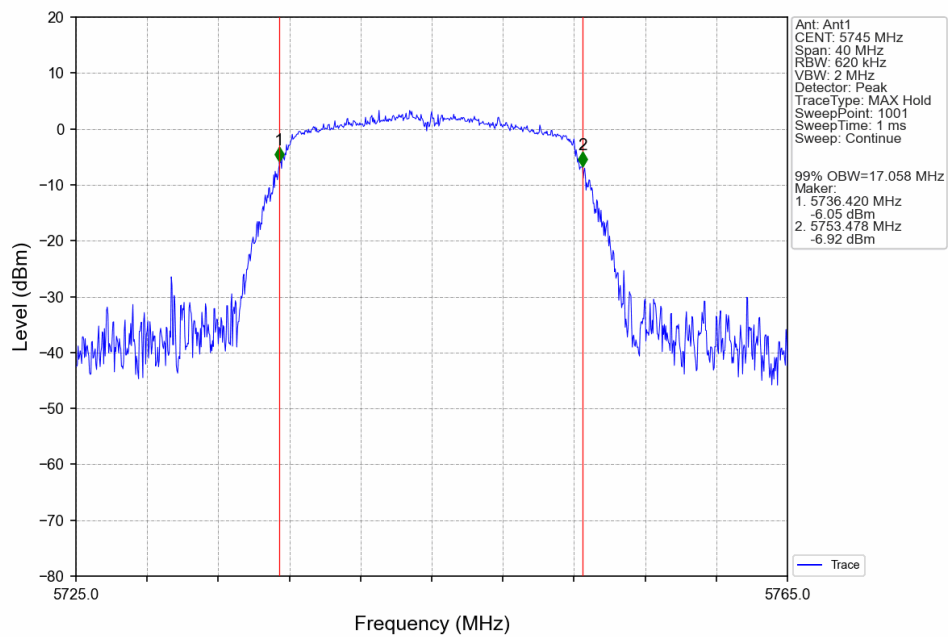
2.2.1 OBW



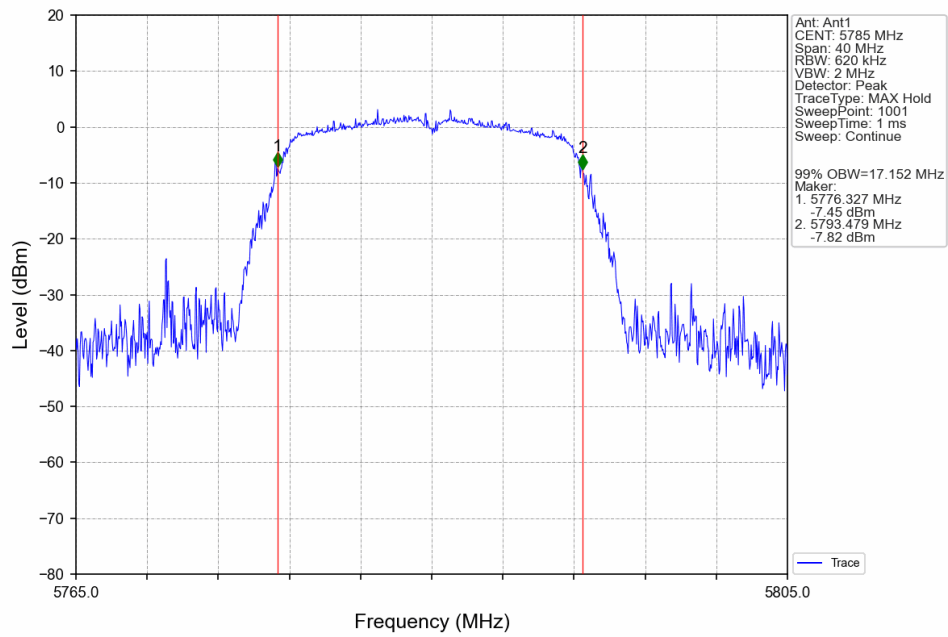
802.11a HCH 5240MHz Ant1 NTNV



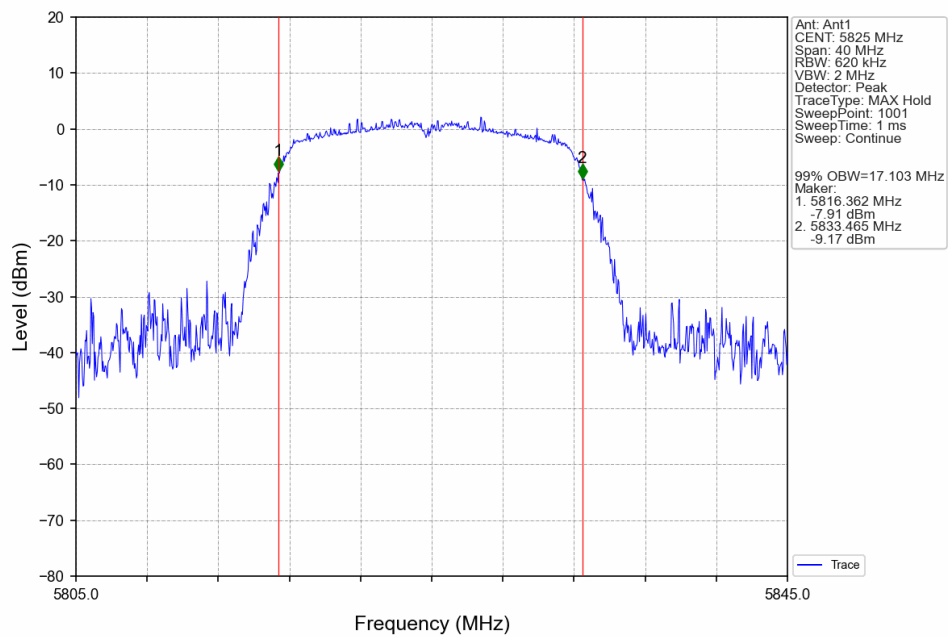
802.11a LCH 5745MHz Ant1 NTNV



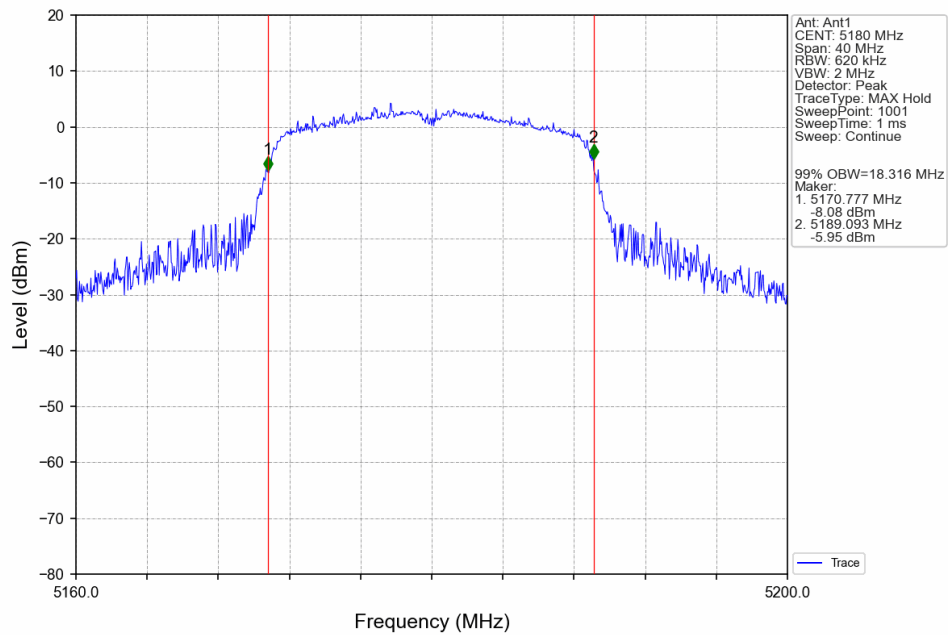
802.11a MCH 5785MHz Ant1 NTVN



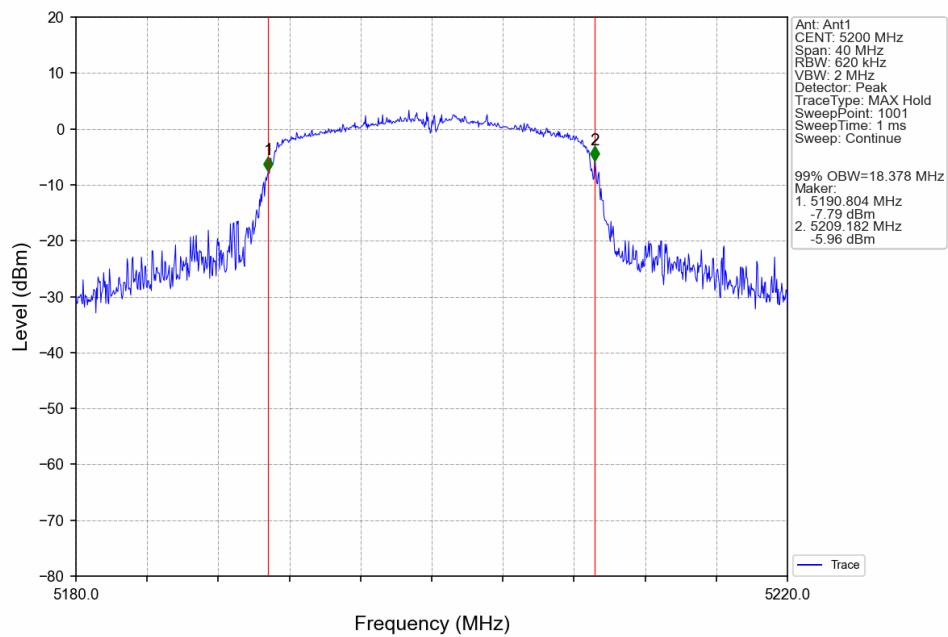
802.11a HCH 5825MHz Ant1 NTVN



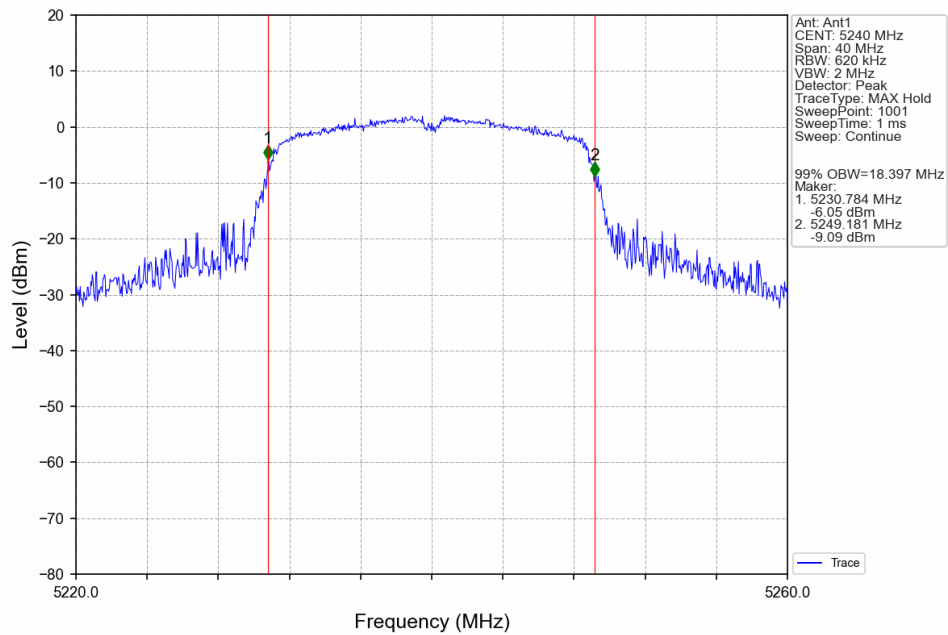
802.11n(HT20) LCH 5180MHz Ant1 NTNv



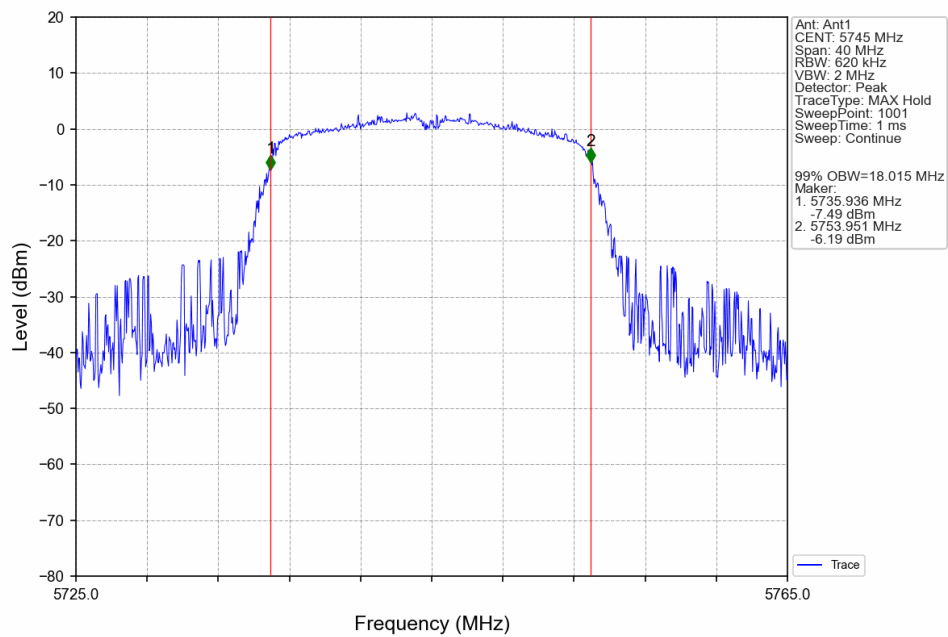
802.11n(HT20) MCH 5200MHz Ant1 NTNv



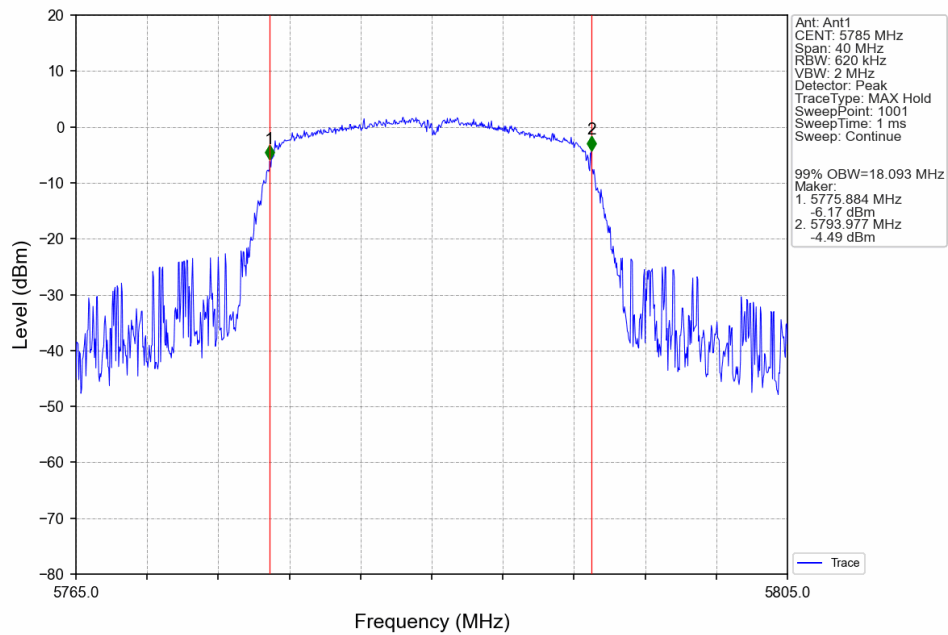
802.11n(HT20) HCH 5240MHz Ant1 NTVN



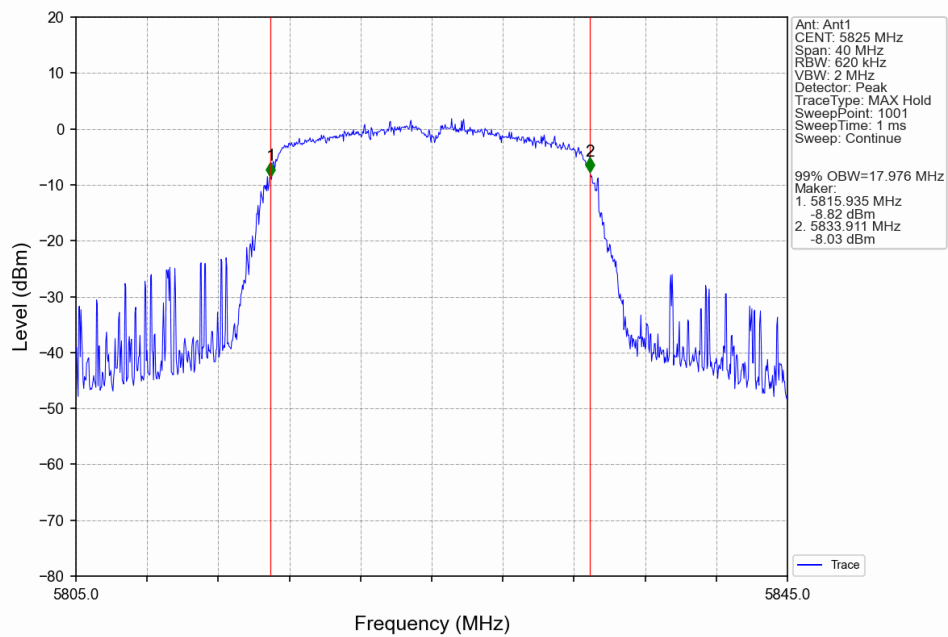
802.11n(HT20) LCH 5745MHz Ant1 NTVN



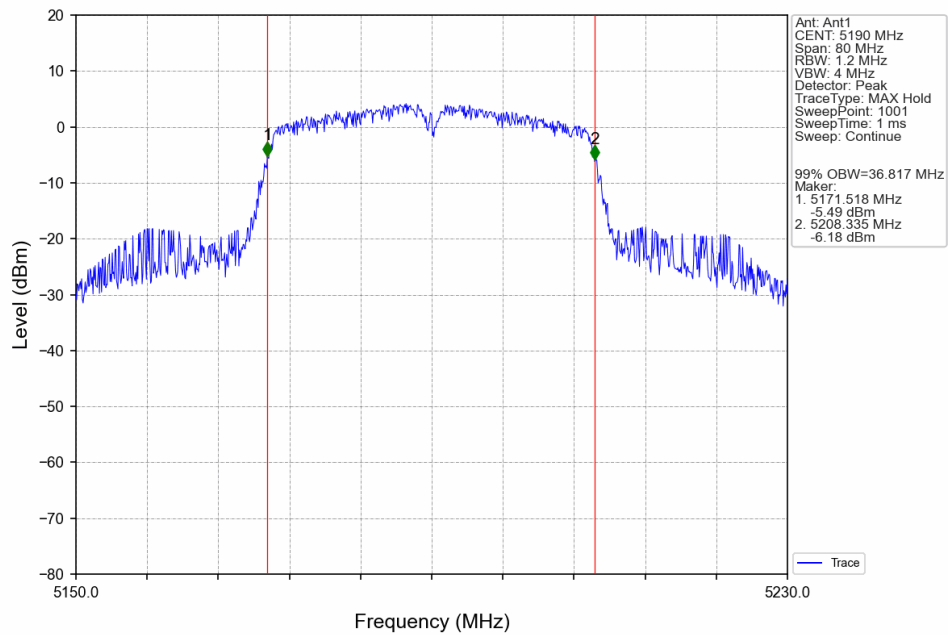
802.11n(HT20) MCH 5785MHz Ant1 NTNv



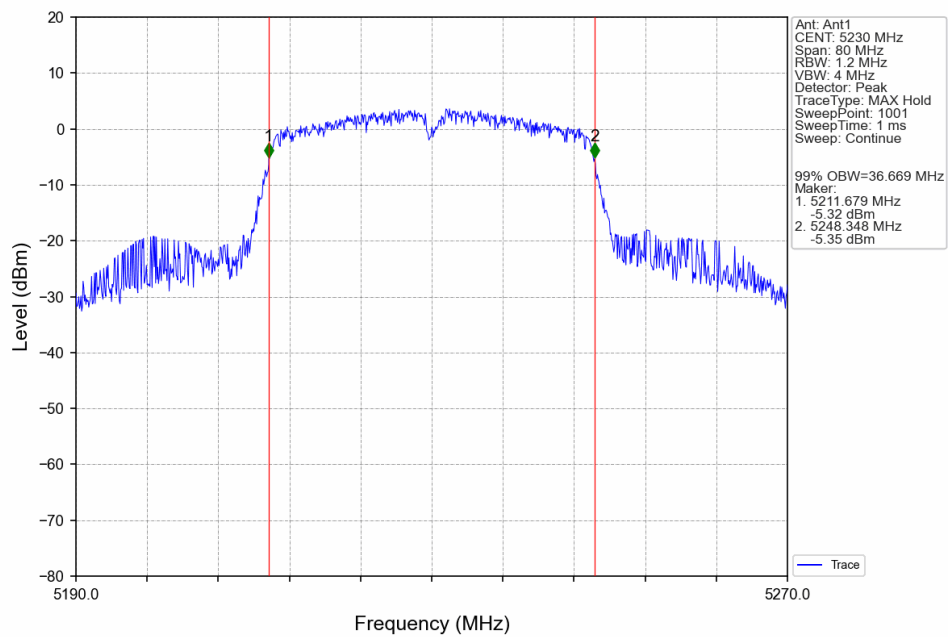
802.11n(HT20) HCH 5825MHz Ant1 NTNv



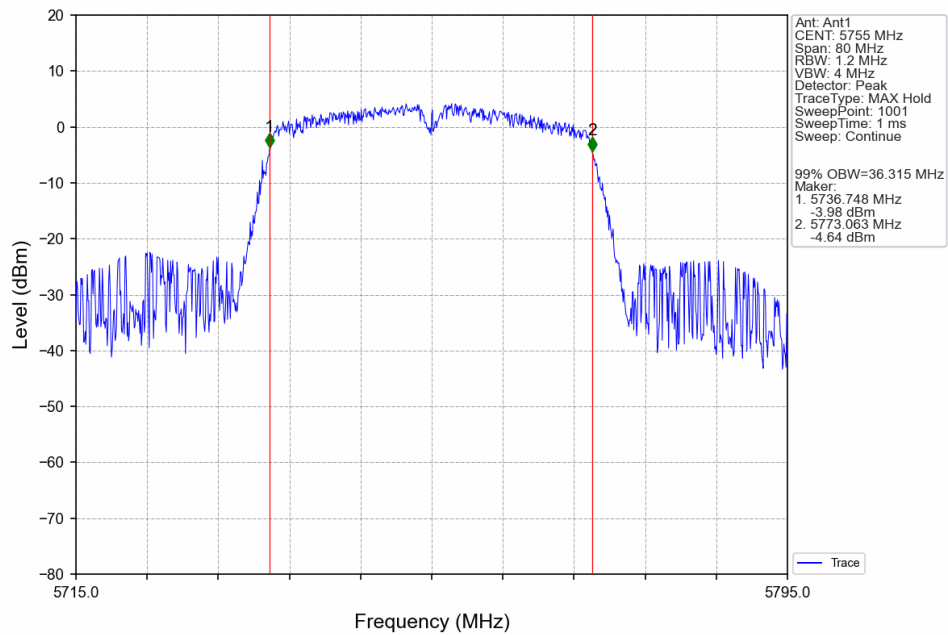
802.11n(HT40) LCH 5190MHz Ant1 NTVN



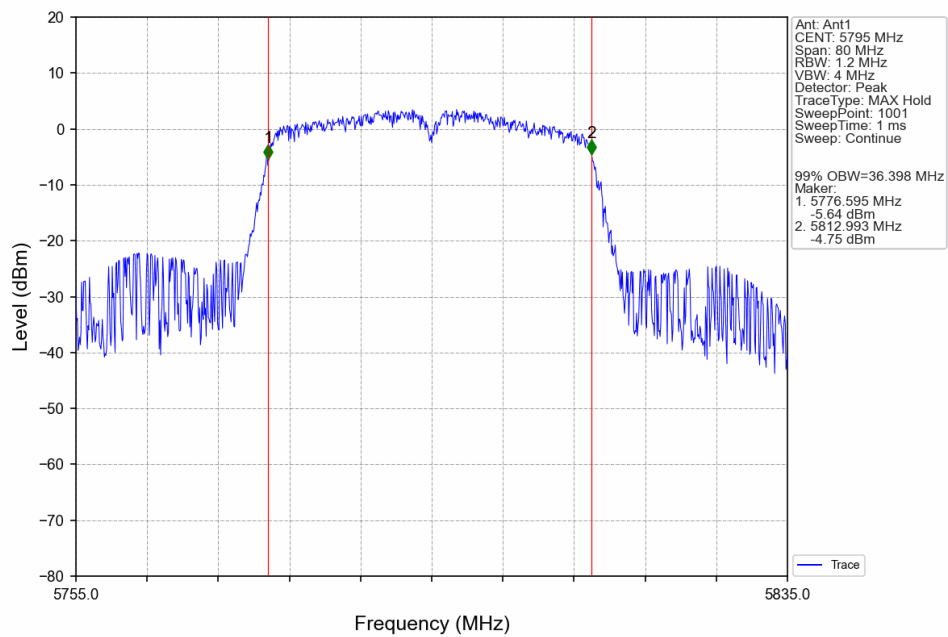
802.11n(HT40) HCH 5230MHz Ant1 NTVN



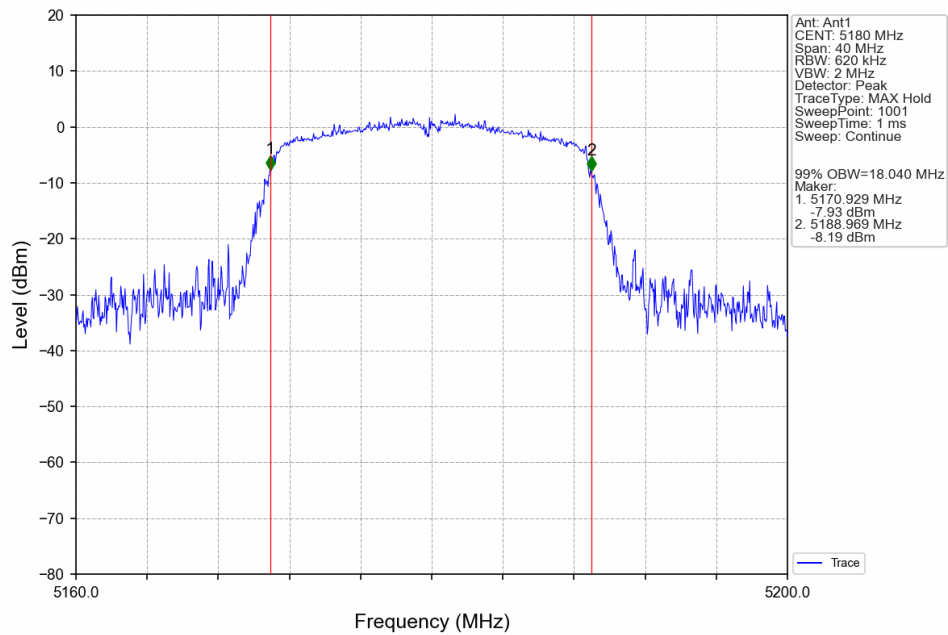
802.11n(HT40) LCH 5755MHz Ant1 NTN



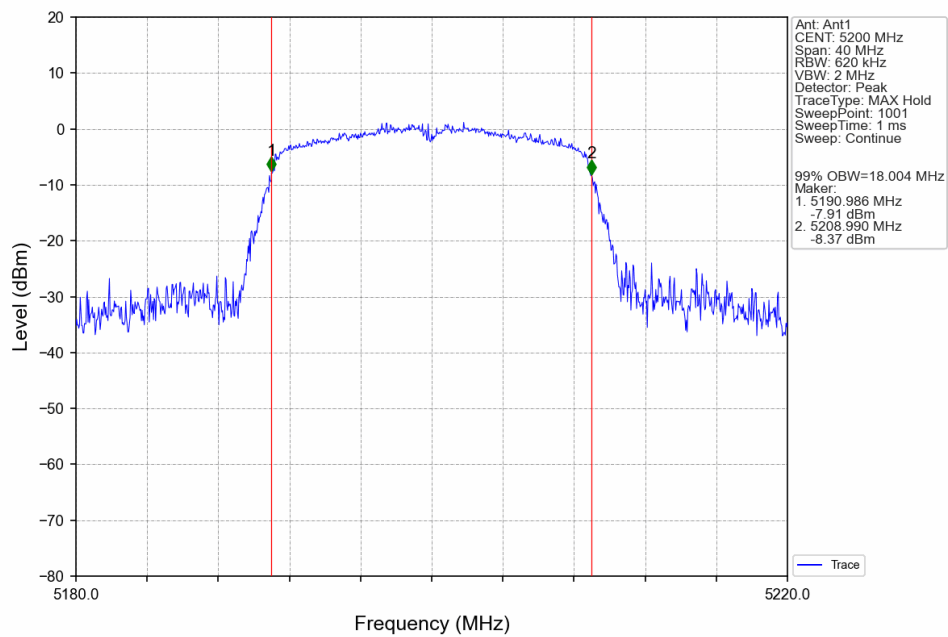
802.11n(HT40) HCH 5795MHz Ant1 NTN



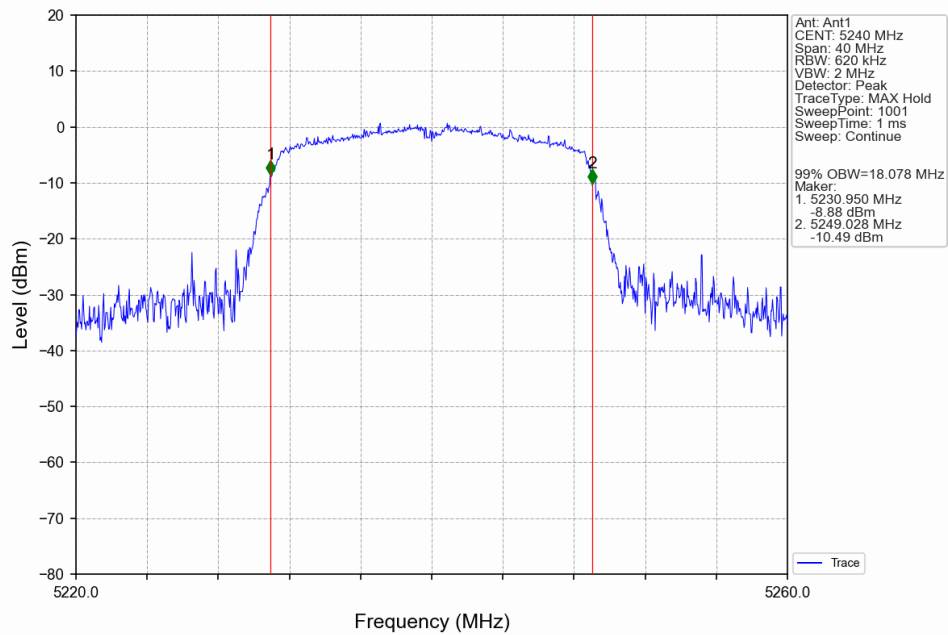
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



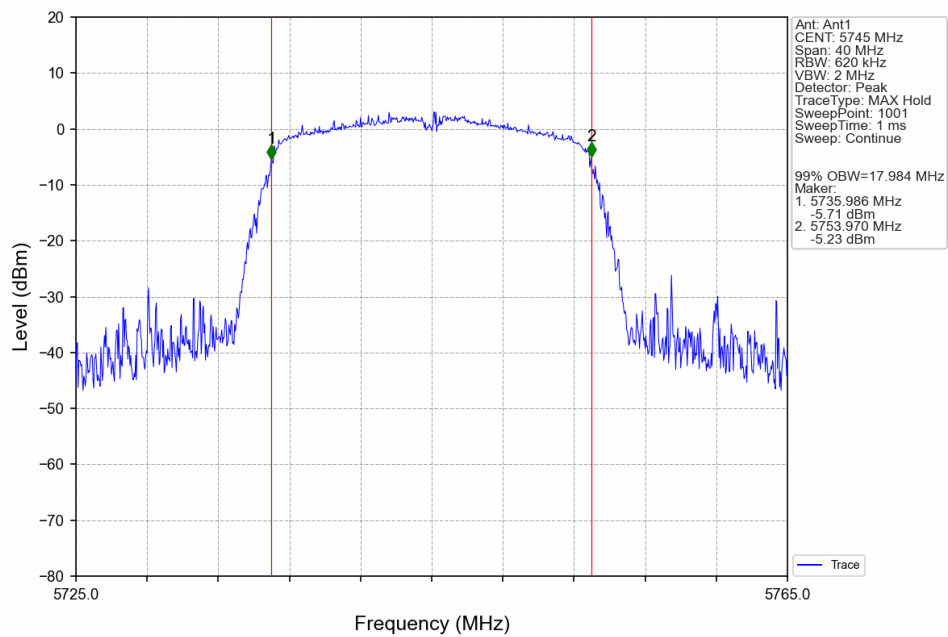
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



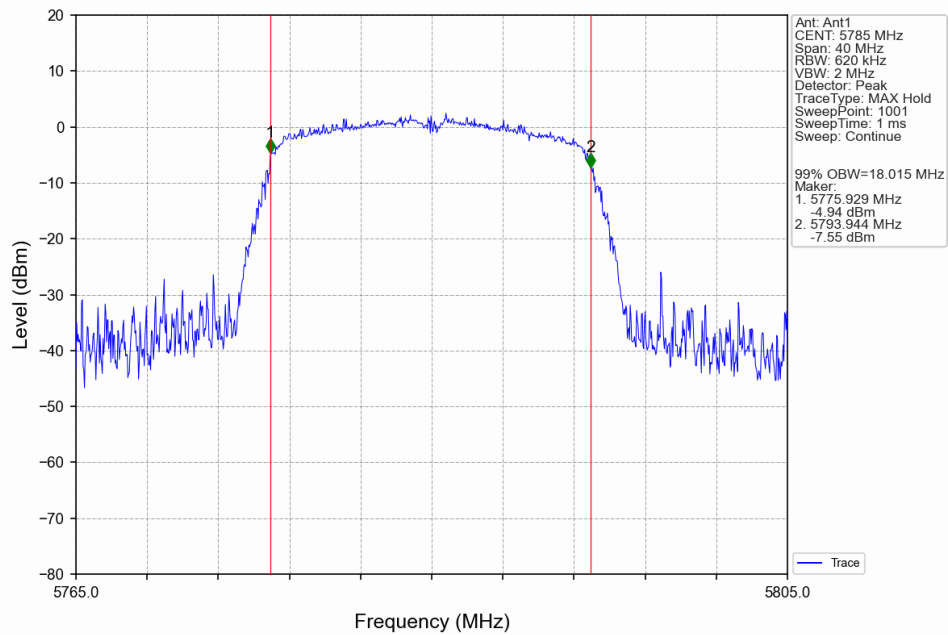
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



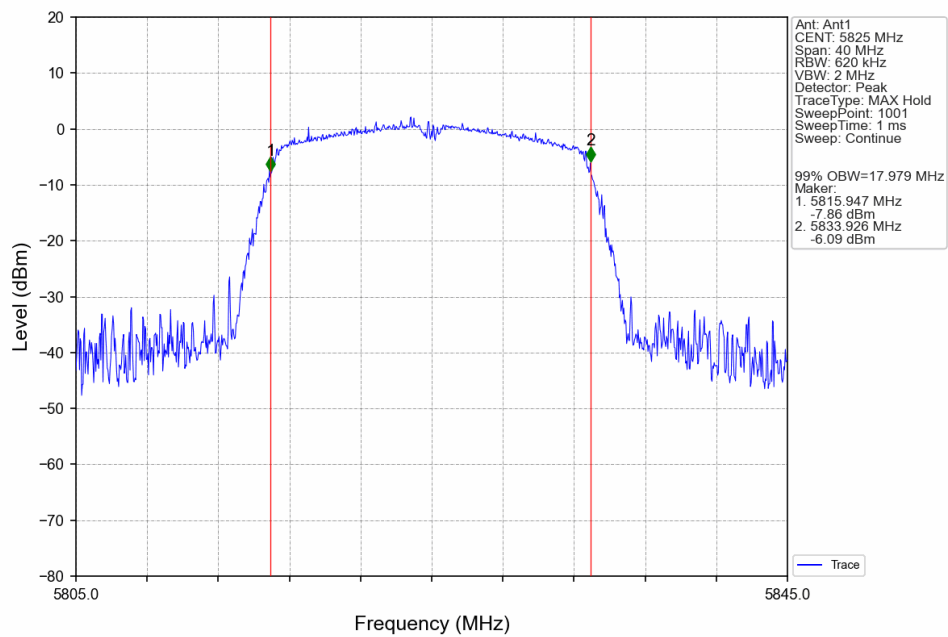
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



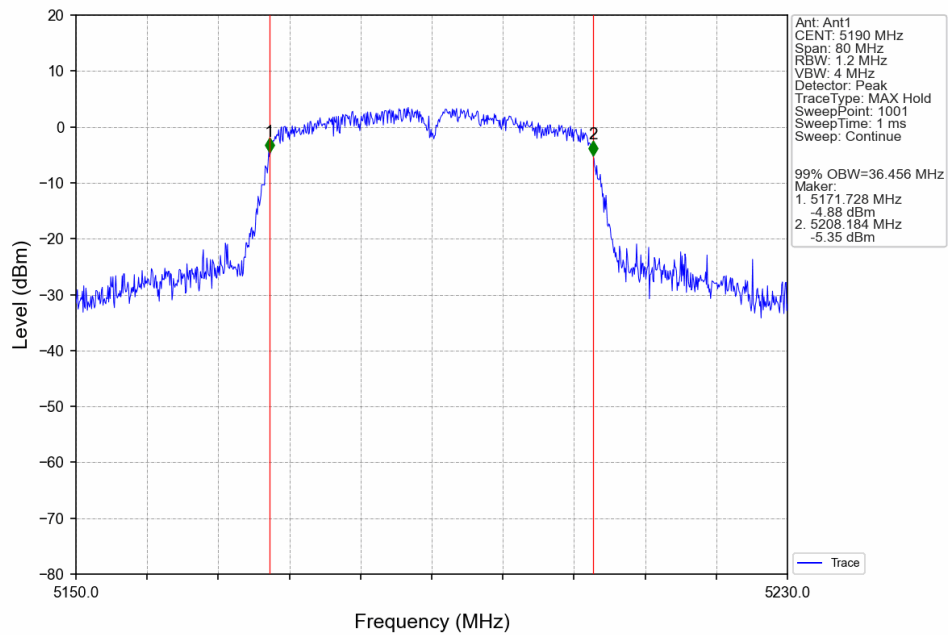
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



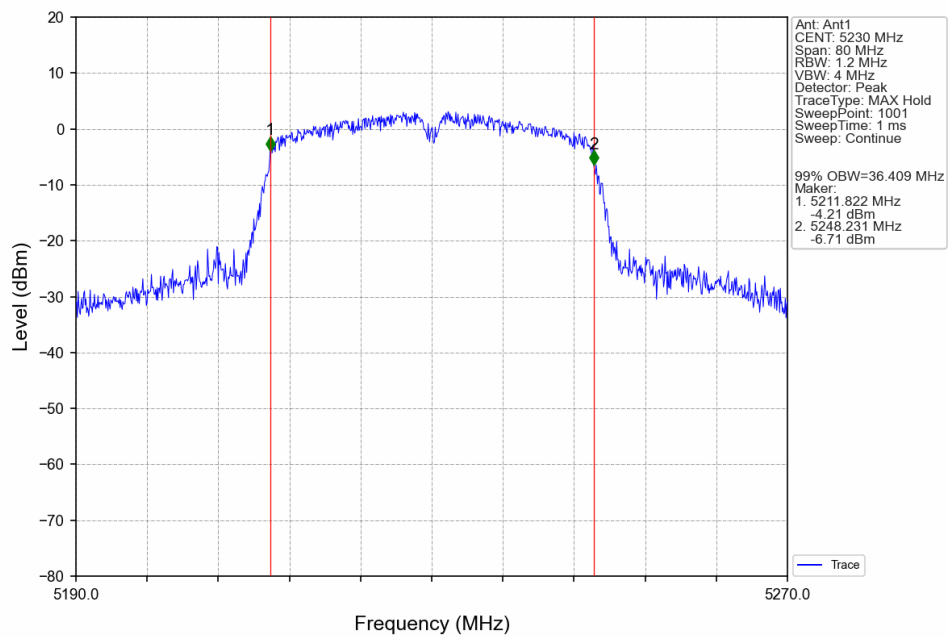
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



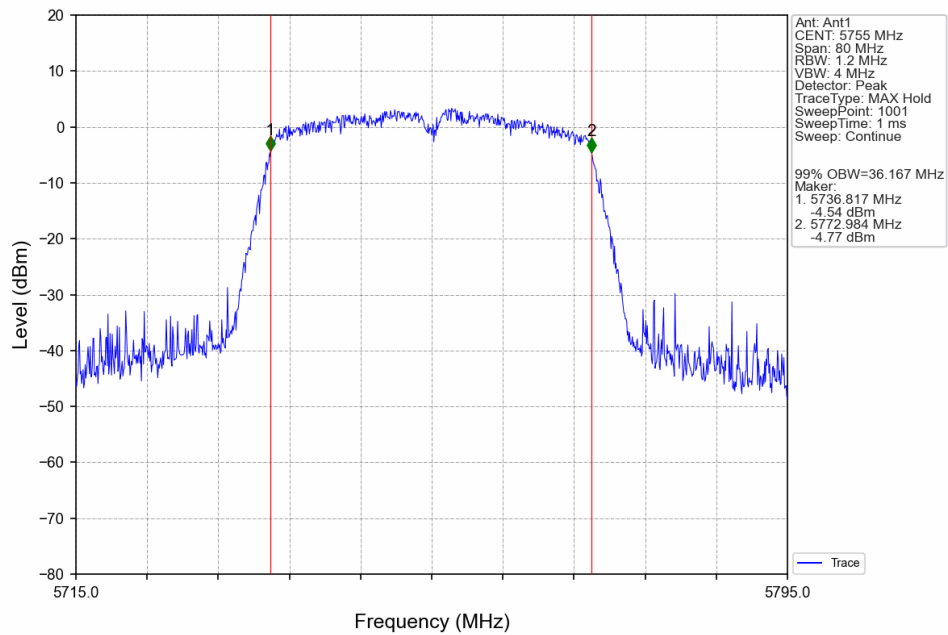
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



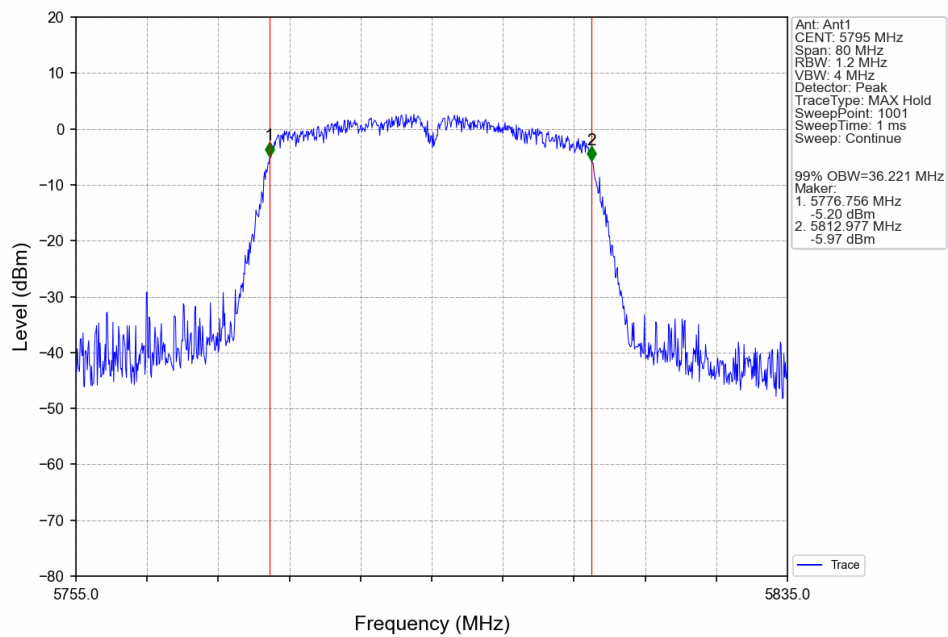
802.11ac(VHT40) HCH 5230MHz Ant1 NTN



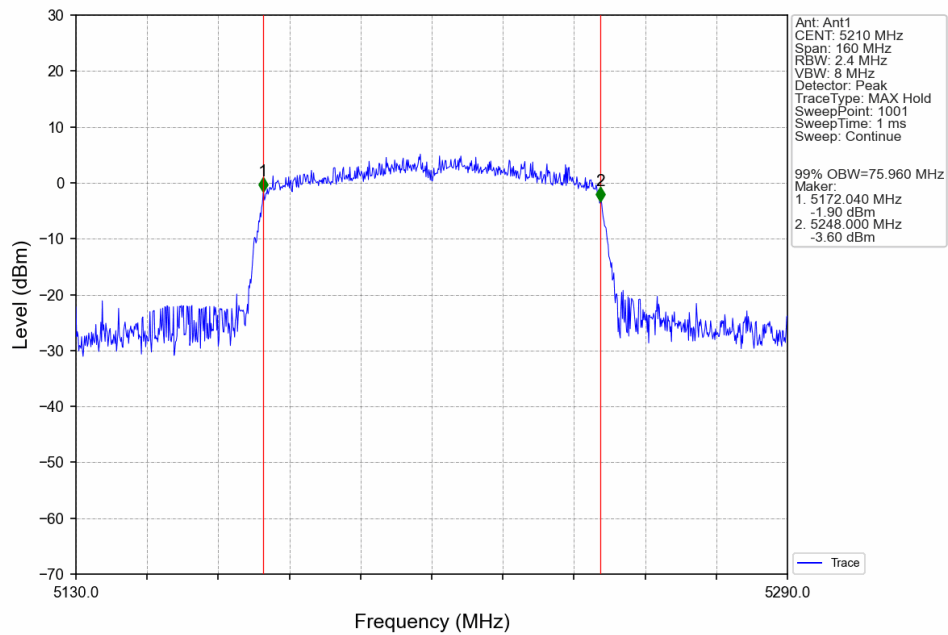
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



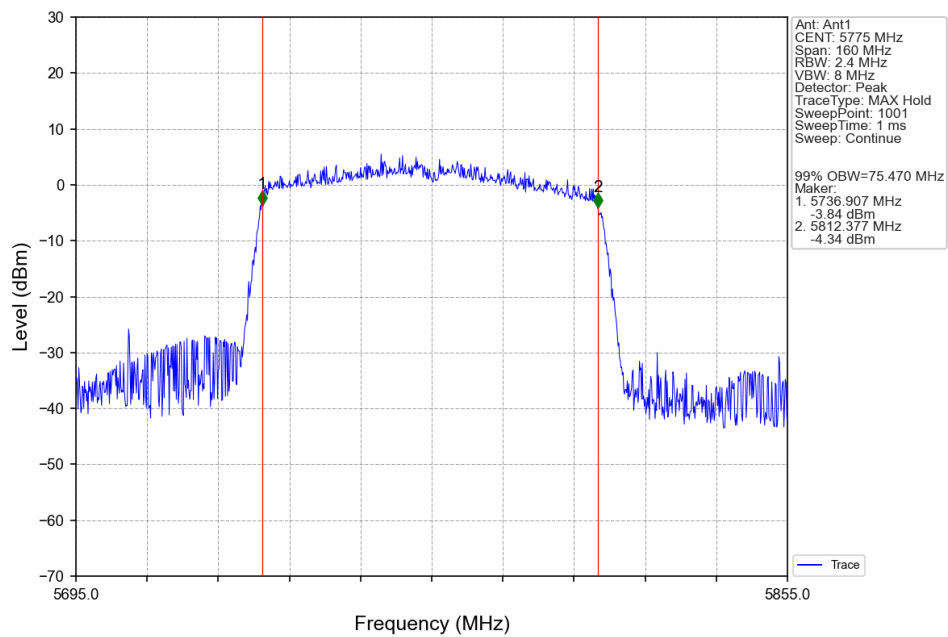
802.11ac(VHT40) HCH 5795MHz Ant1 NTN



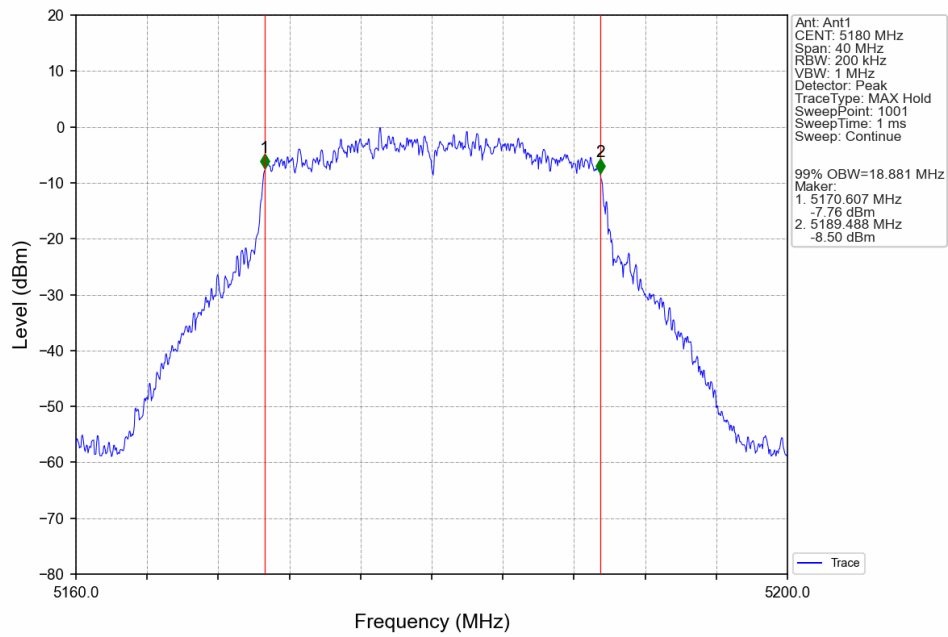
802.11ac(VHT80) MCH 5210MHz Ant1 NTN



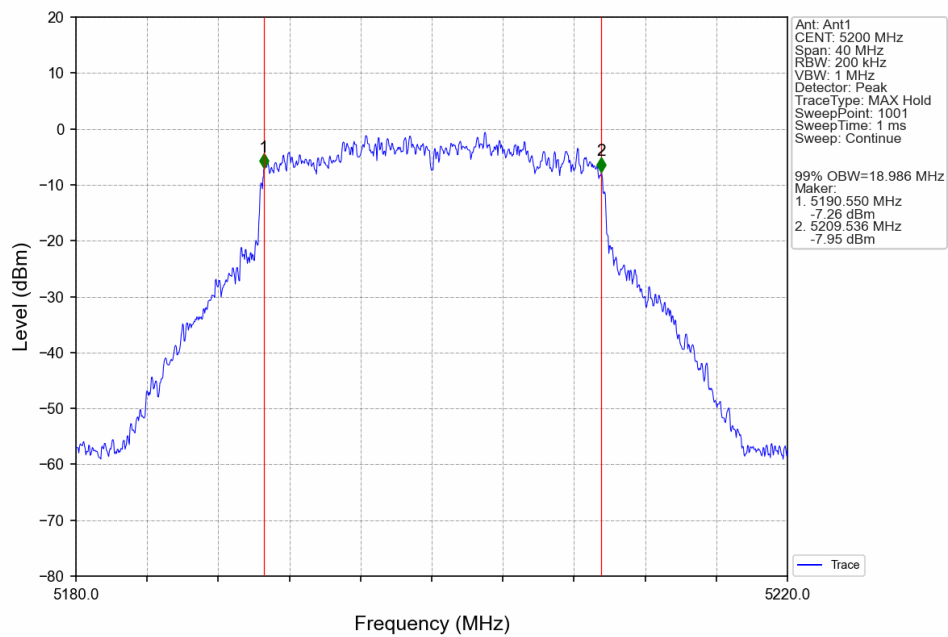
802.11ac(VHT80) MCH 5775MHz Ant1 NTN



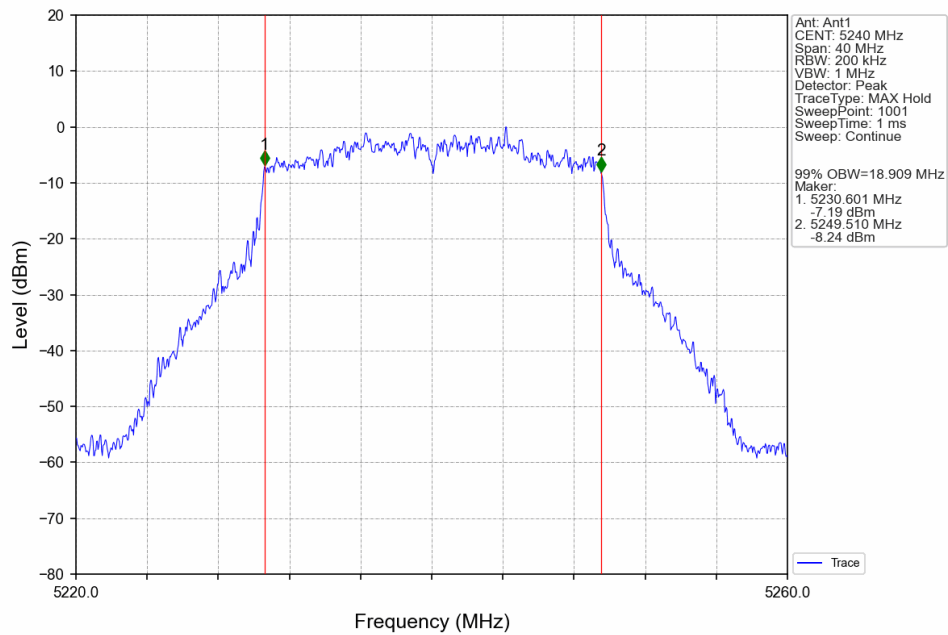
802.11ax(HEW20) LCH 5180MHz SU / Ant1 NTNv



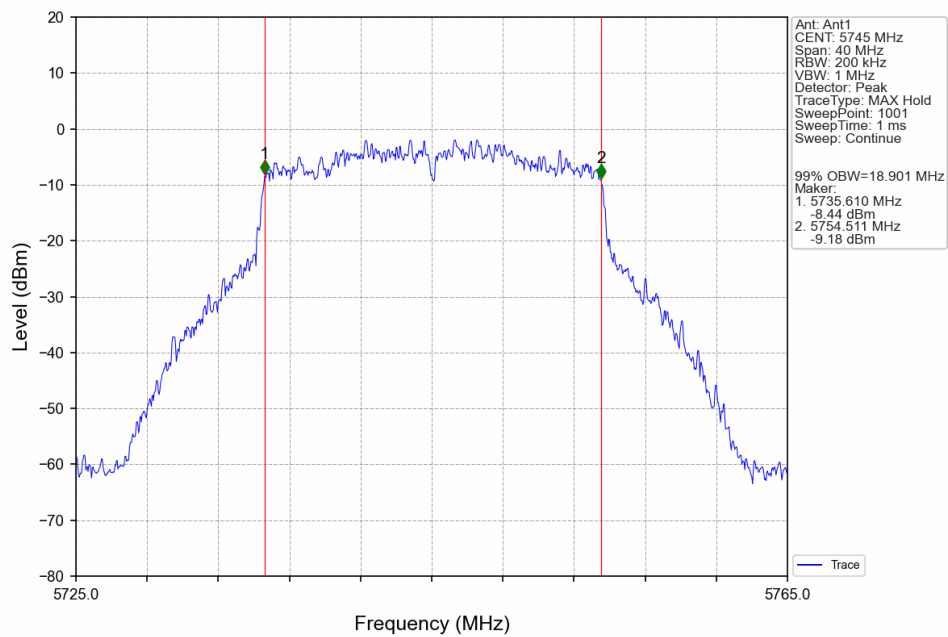
802.11ax(HEW20) MCH 5200MHz SU / Ant1 NTNv



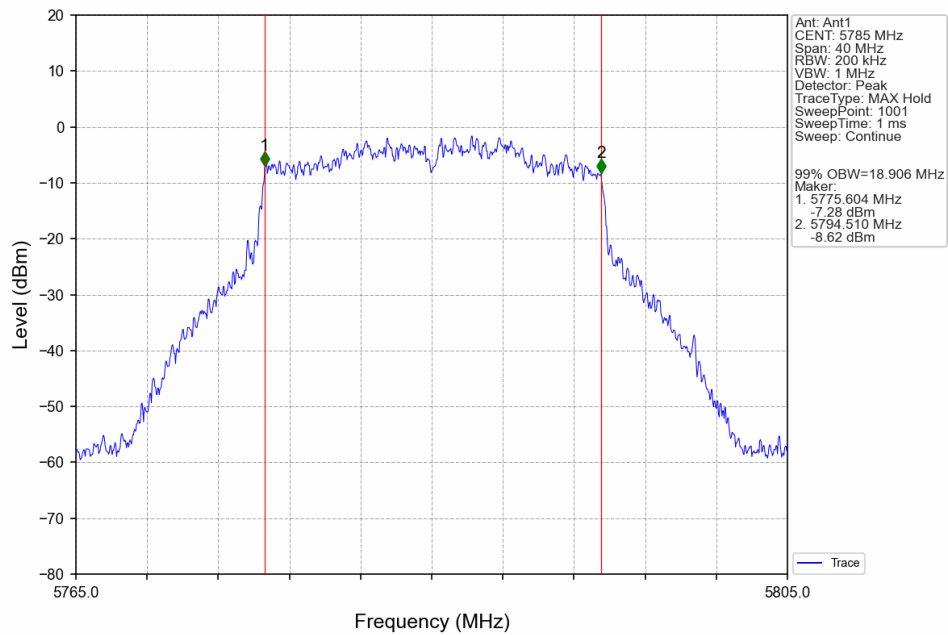
802.11ax(HEW20) HCH 5240MHz SU / Ant1 NTN



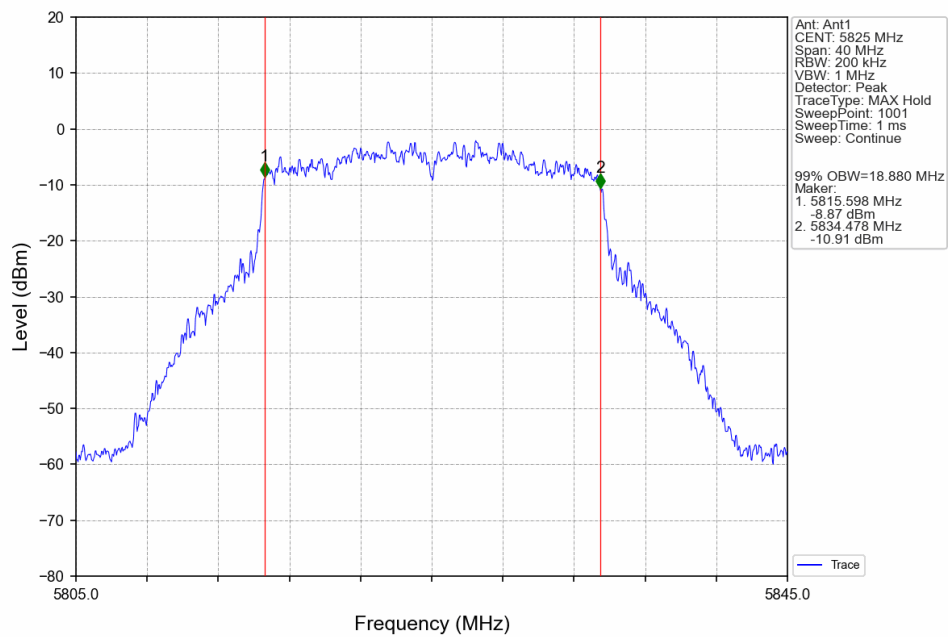
802.11ax(HEW20) LCH 5745MHz SU / Ant1 NTN



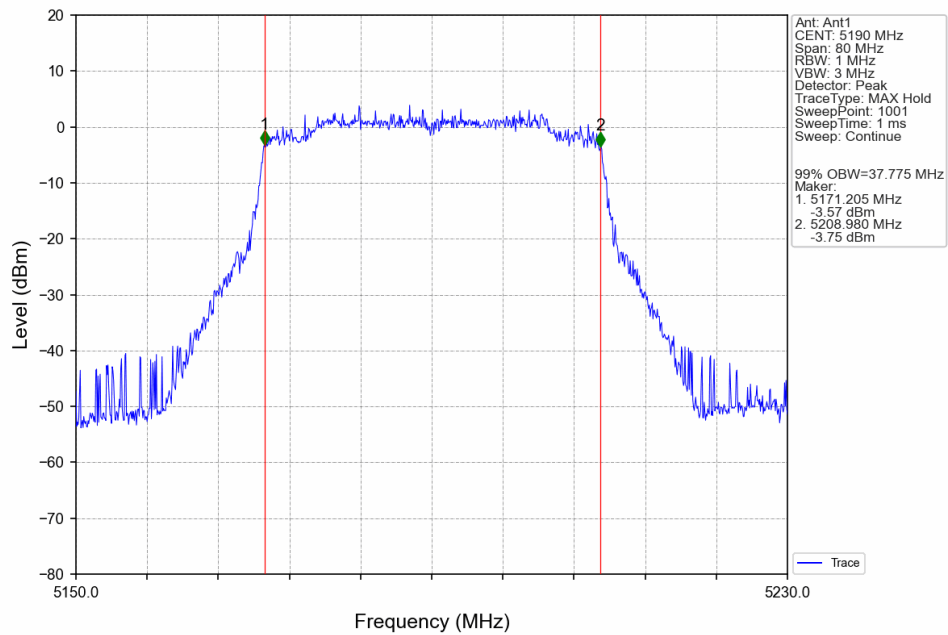
802.11ax(HEW20) MCH 5785MHz SU / Ant1 NTN



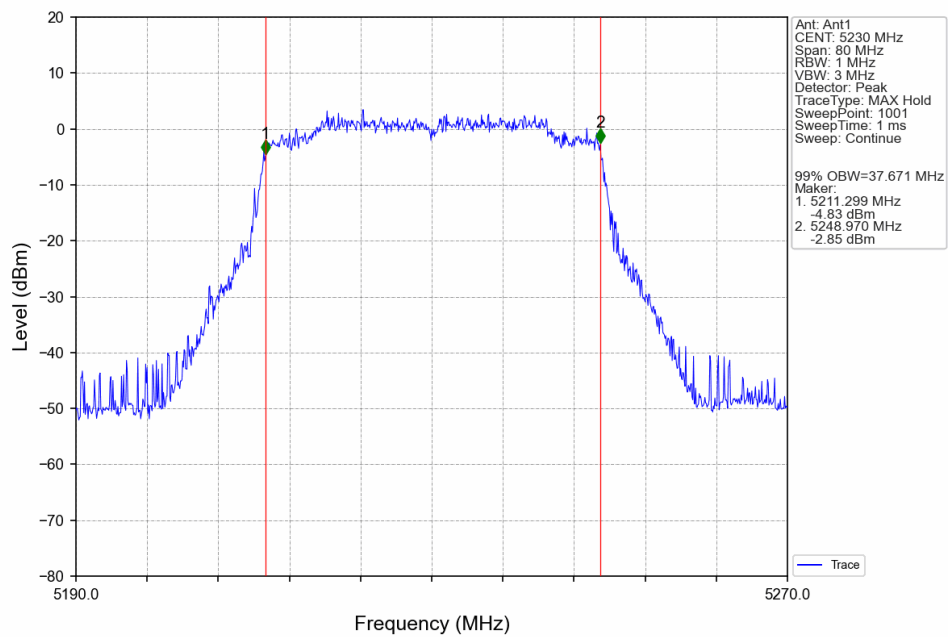
802.11ax(HEW20) HCH 5825MHz SU / Ant1 NTN



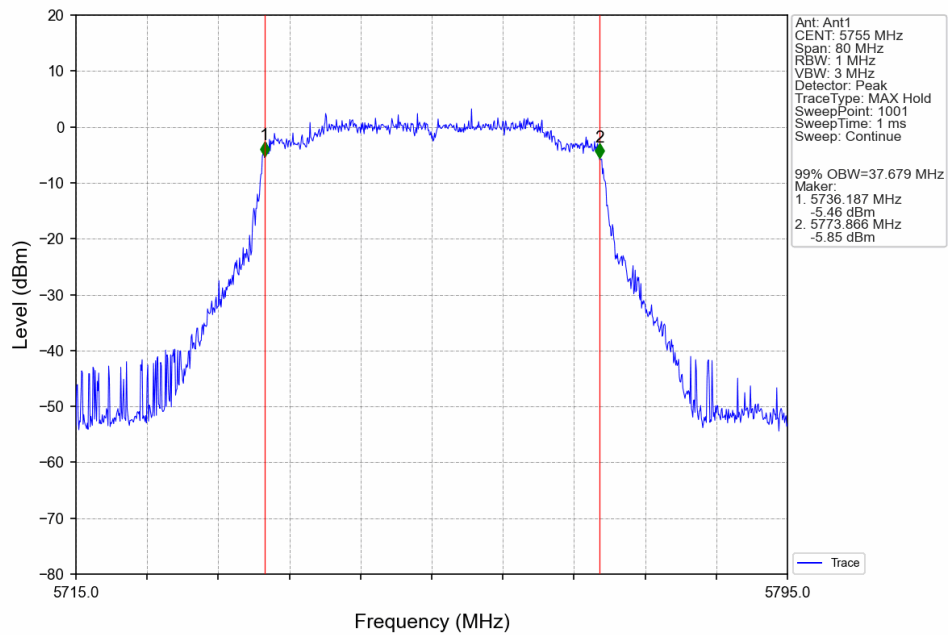
802.11ax(HEW40) LCH 5190MHz SU / Ant1 NTN



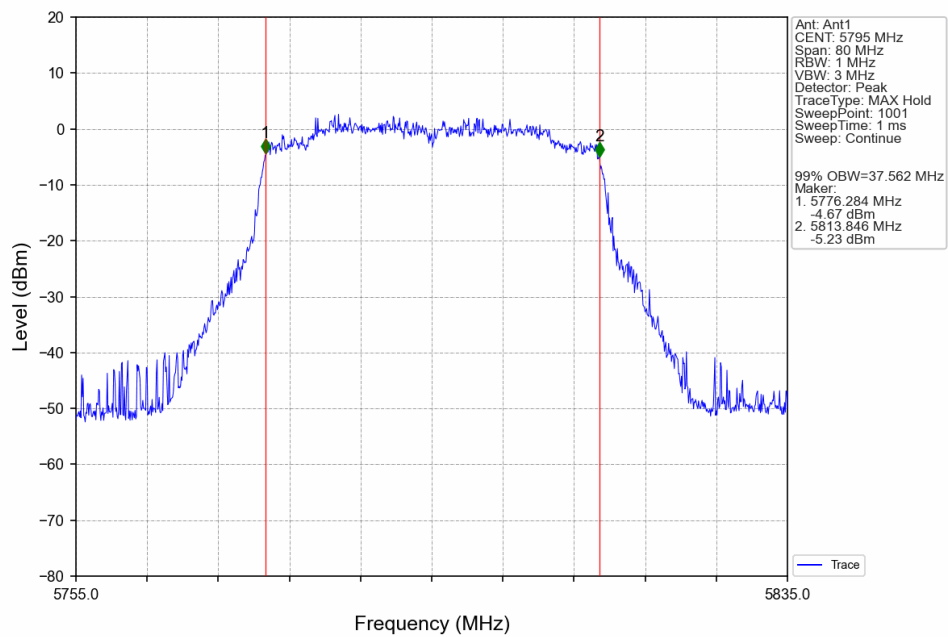
802.11ax(HEW40) HCH 5230MHz SU / Ant1 NTN



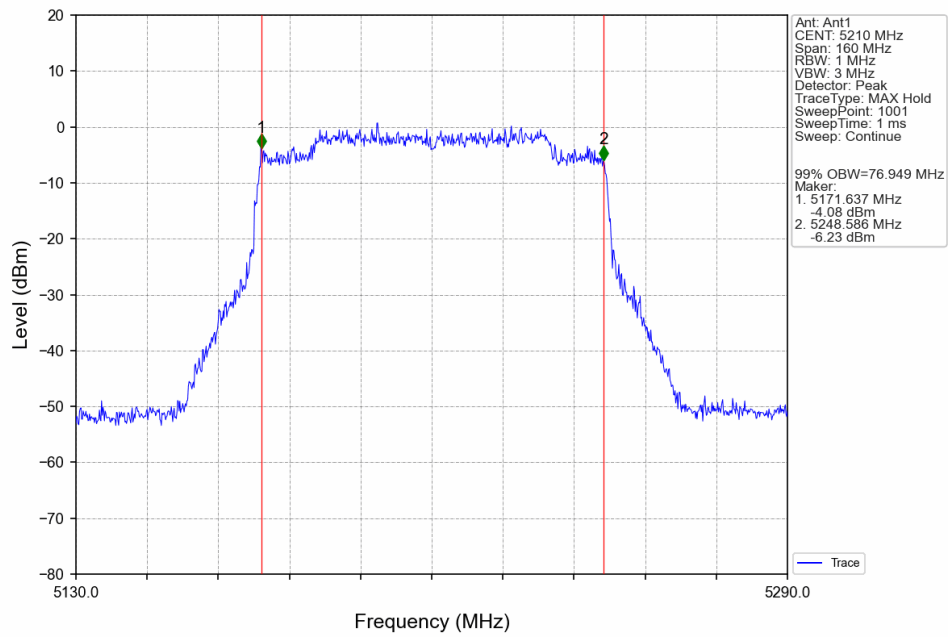
802.11ax(HEW40) LCH 5755MHz SU / Ant1 NTN



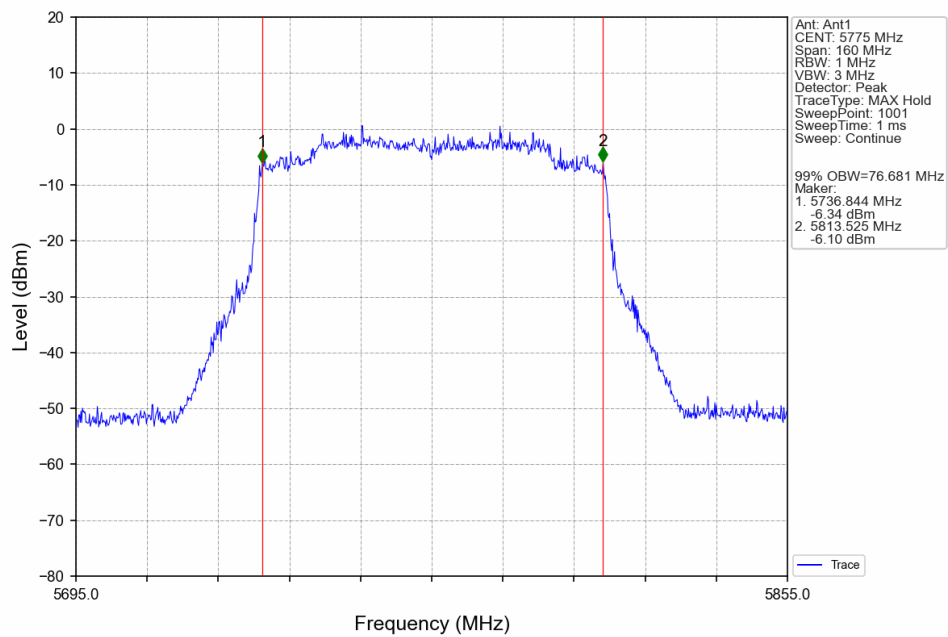
802.11ax(HEW40) HCH 5795MHz SU / Ant1 NTN



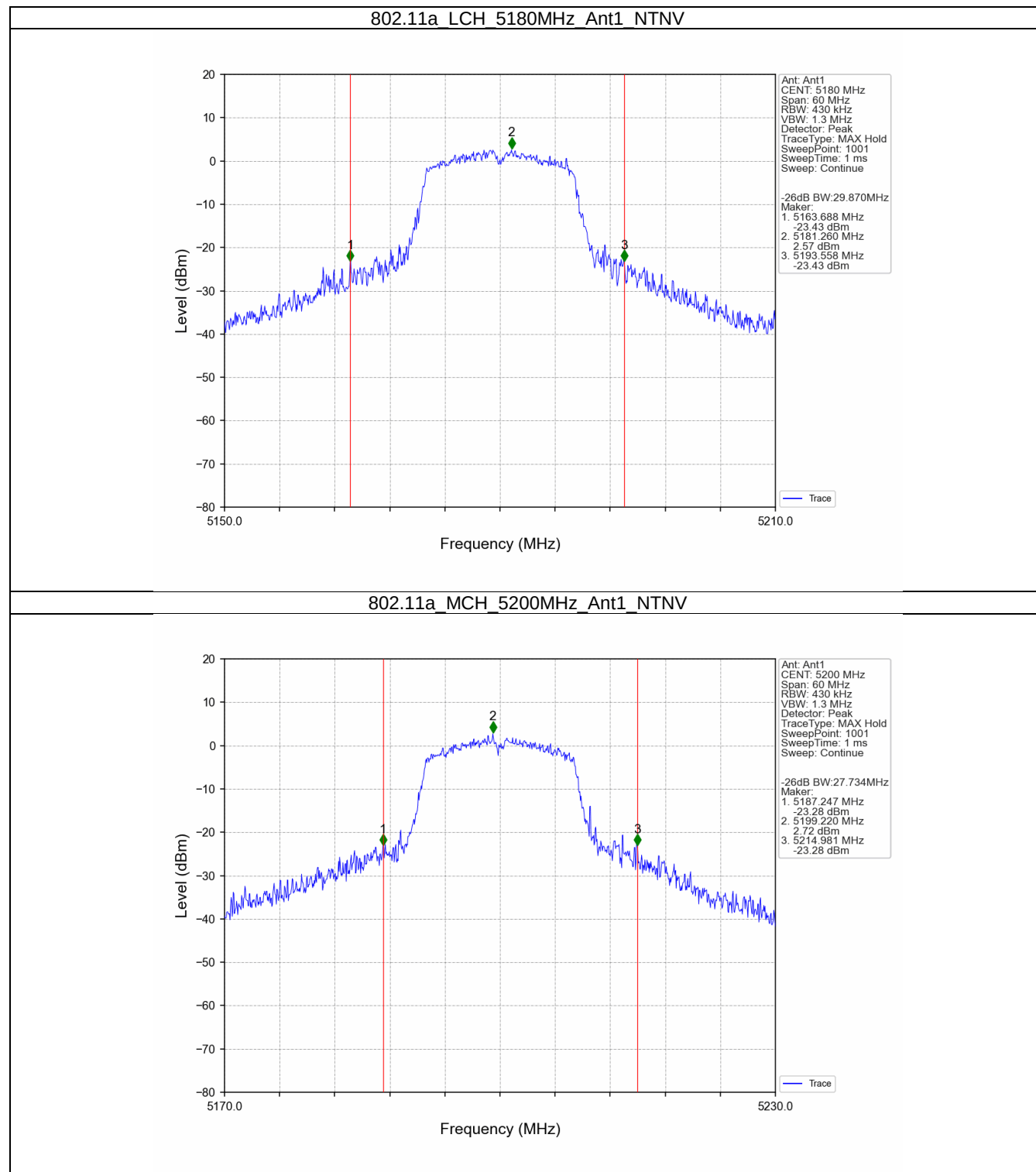
802.11ax(HEW80) MCH 5210MHz SU / Ant1 NTNv



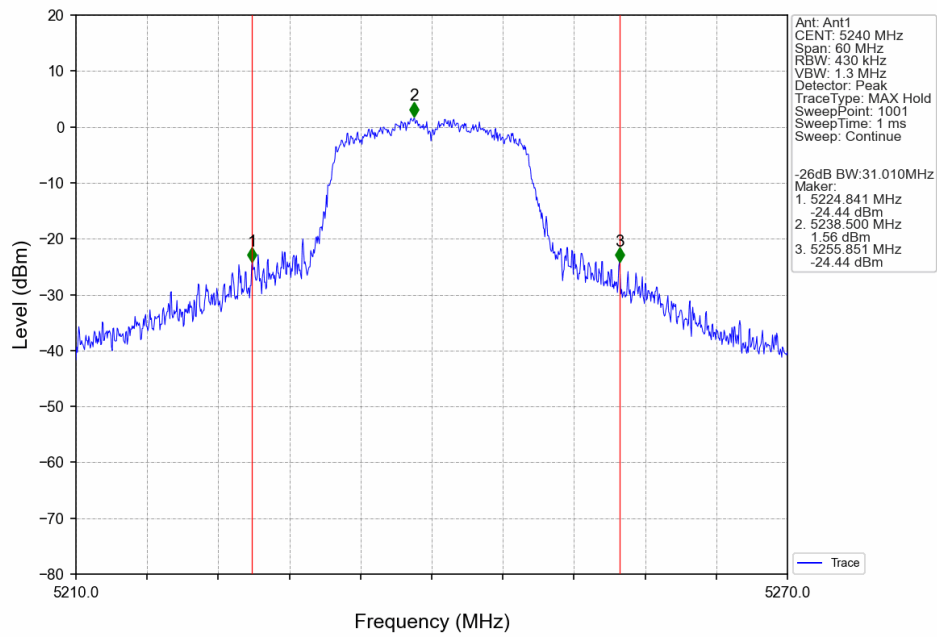
802.11ax(HEW80) MCH 5775MHz SU / Ant1 NTNv



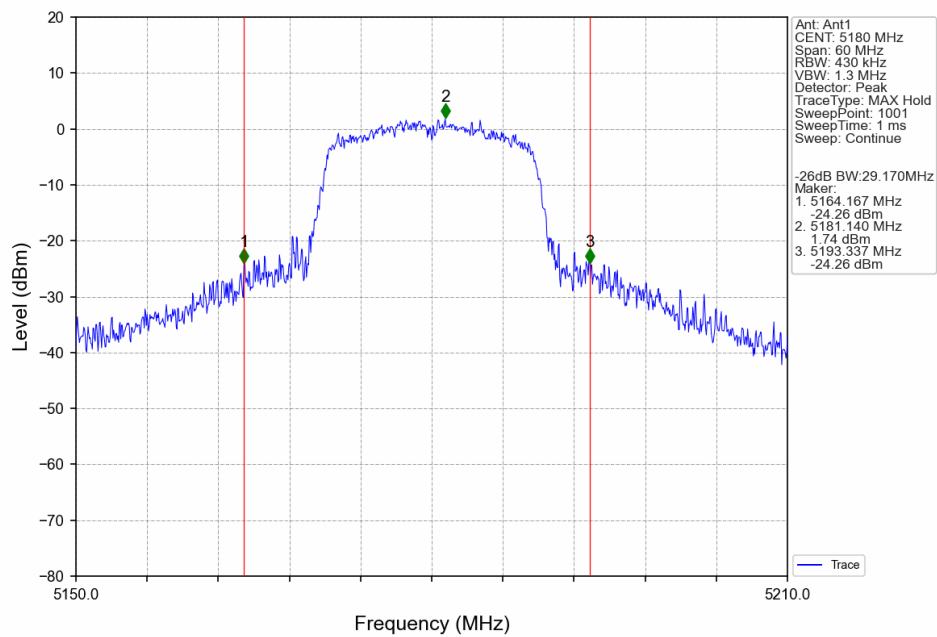
2.2.2 26dB BW



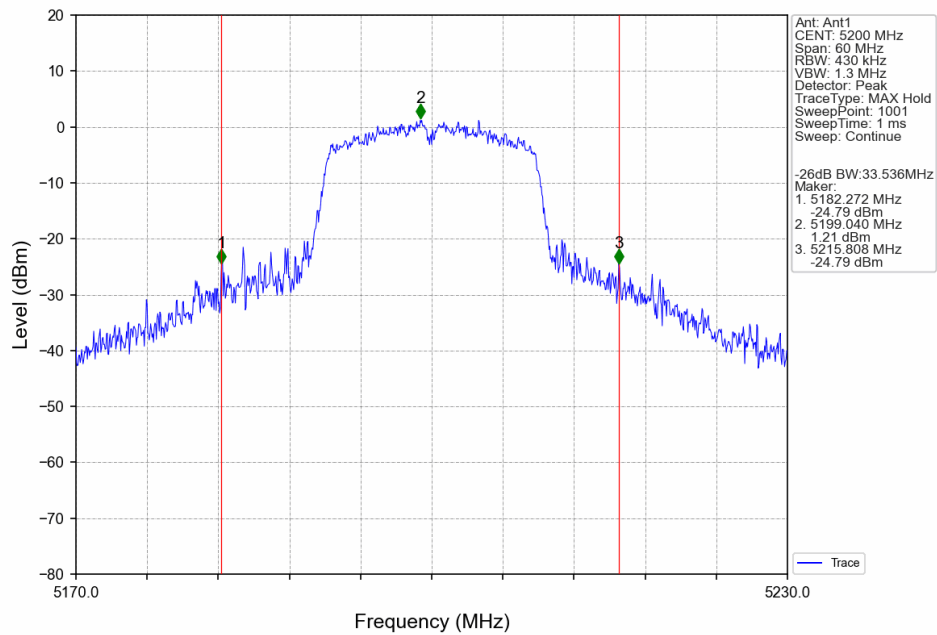
802.11a HCH 5240MHz Ant1 NTV



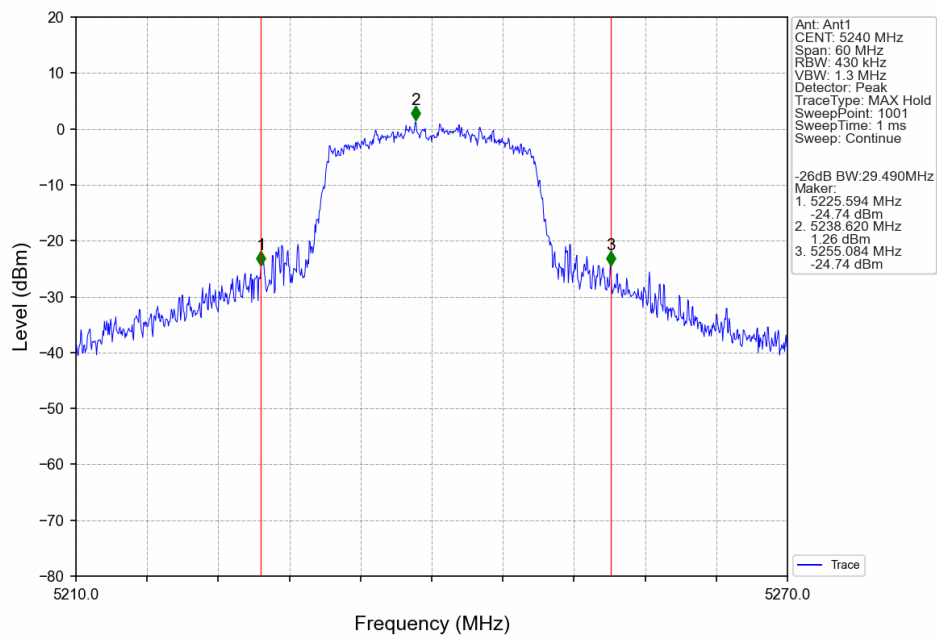
802.11n(HT20) LCH 5180MHz Ant1 NTV



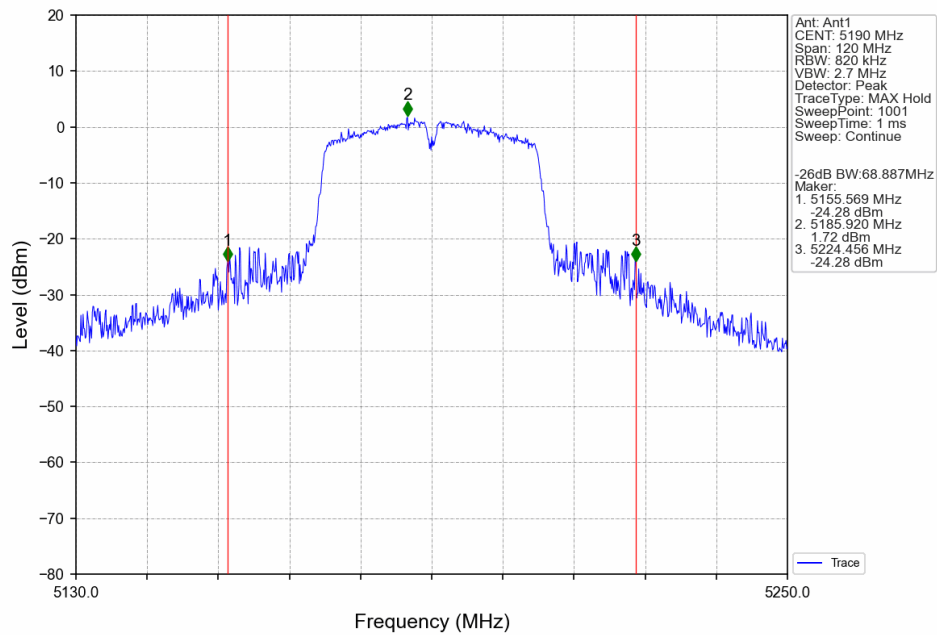
802.11n(HT20) MCH 5200MHz Ant1 NTNV



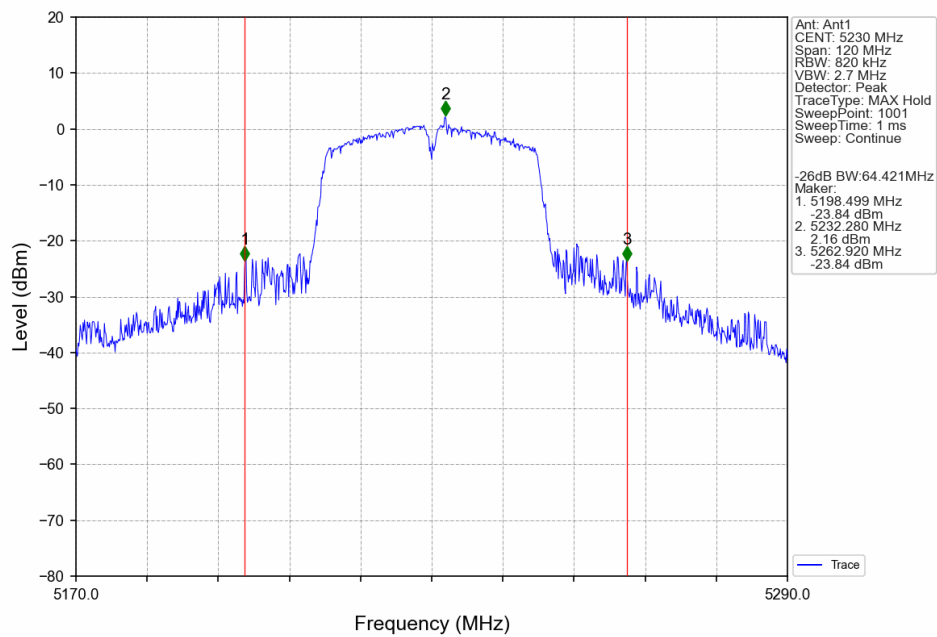
802.11n(HT20) HCH 5240MHz Ant1 NTNV



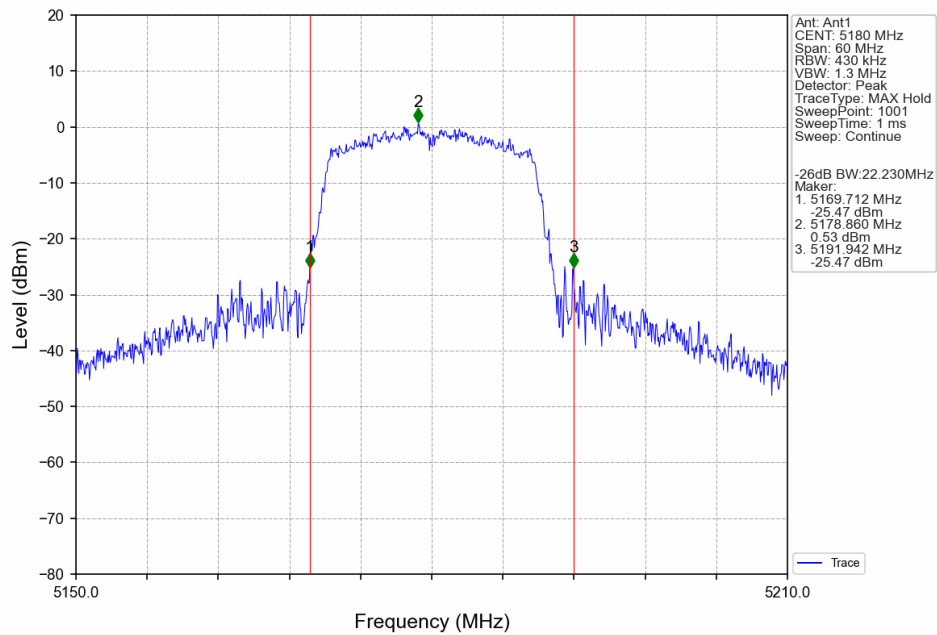
802.11n(HT40) LCH 5190MHz Ant1 NTV



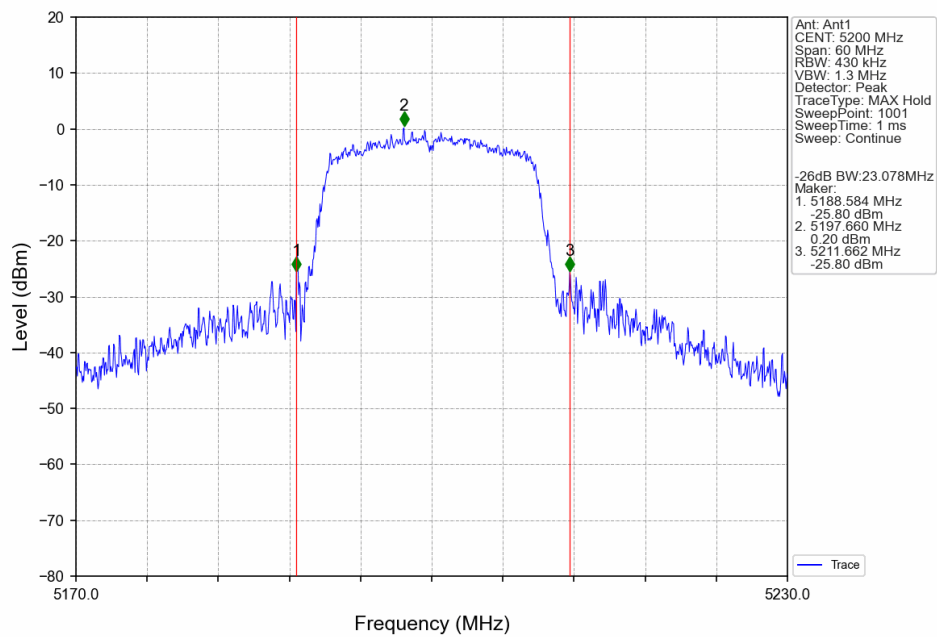
802.11n(HT40) HCH 5230MHz Ant1 NTV



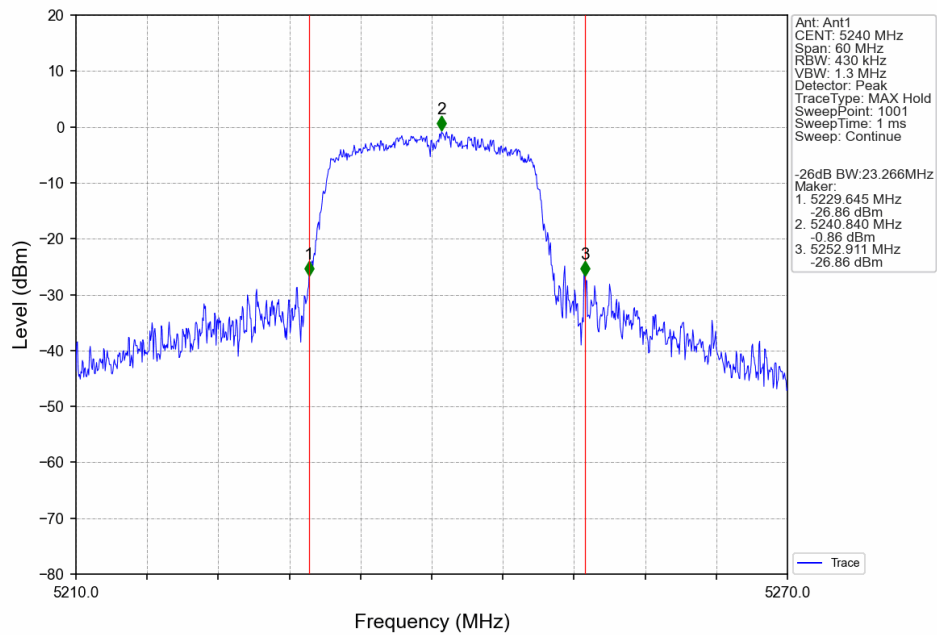
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



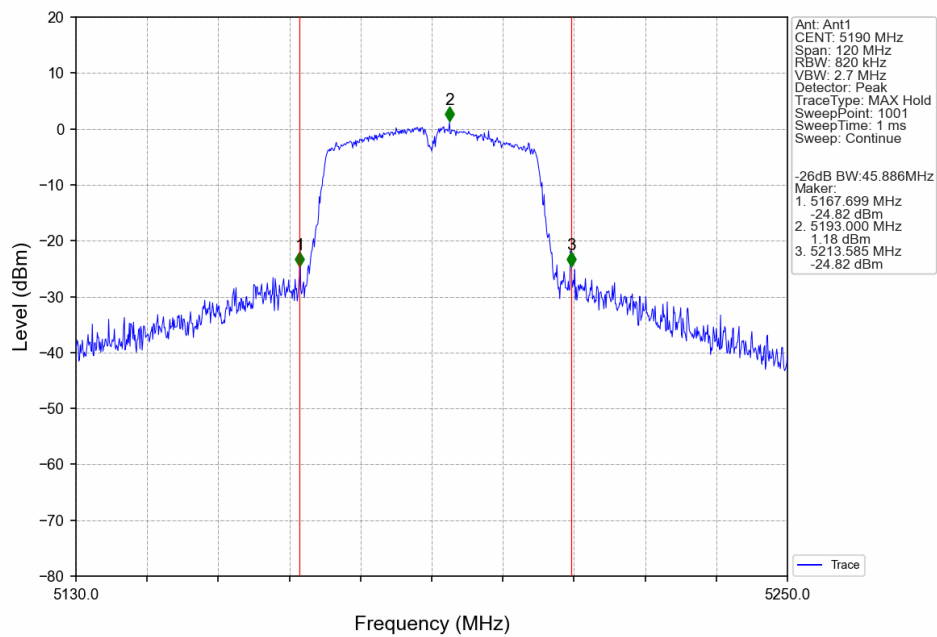
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



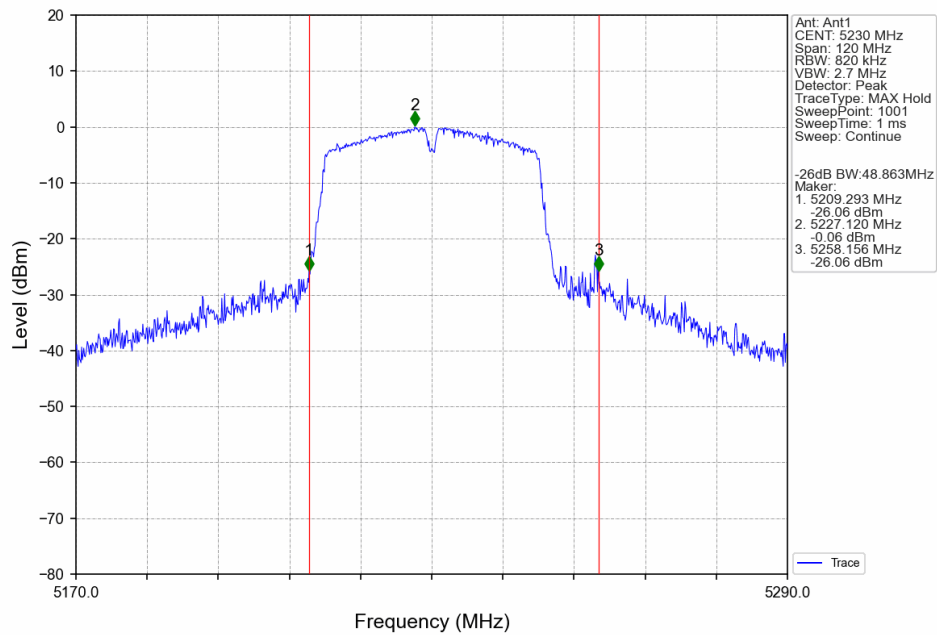
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



802.11ac(VHT40) LCH 5190MHz Ant1 NTN



802.11ac(VHT40) HCH 5230MHz Ant1 NTN



802.11ac(VHT80) MCH 5210MHz Ant1 NTN

