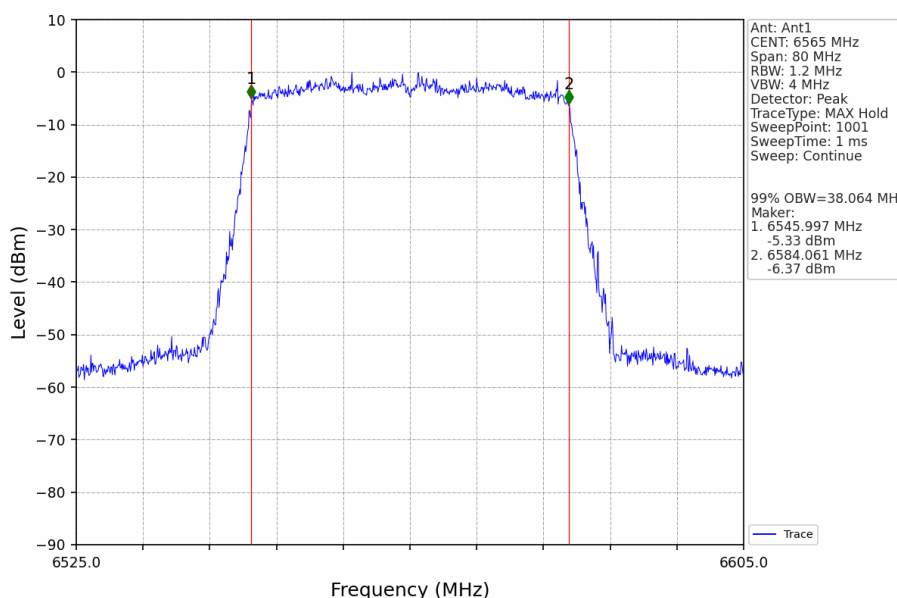
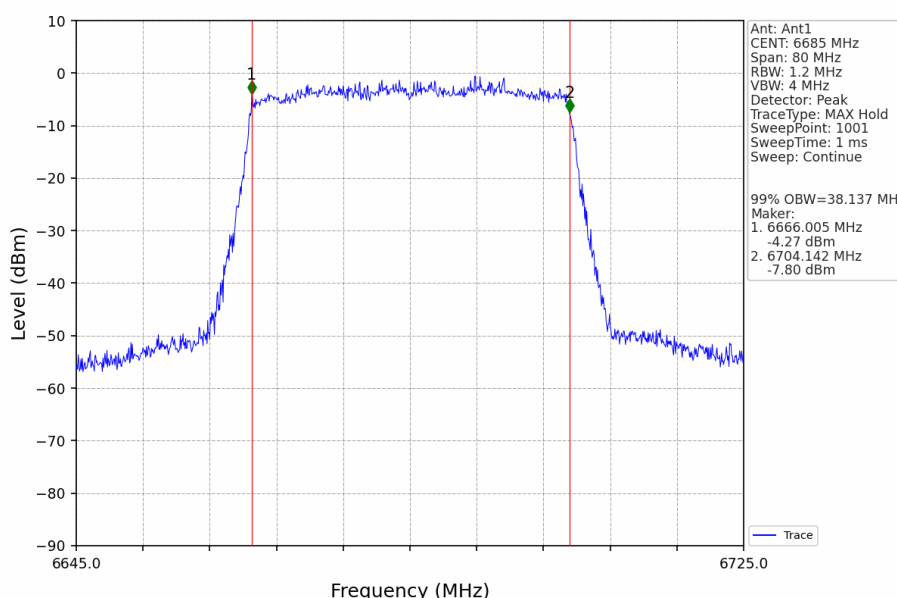


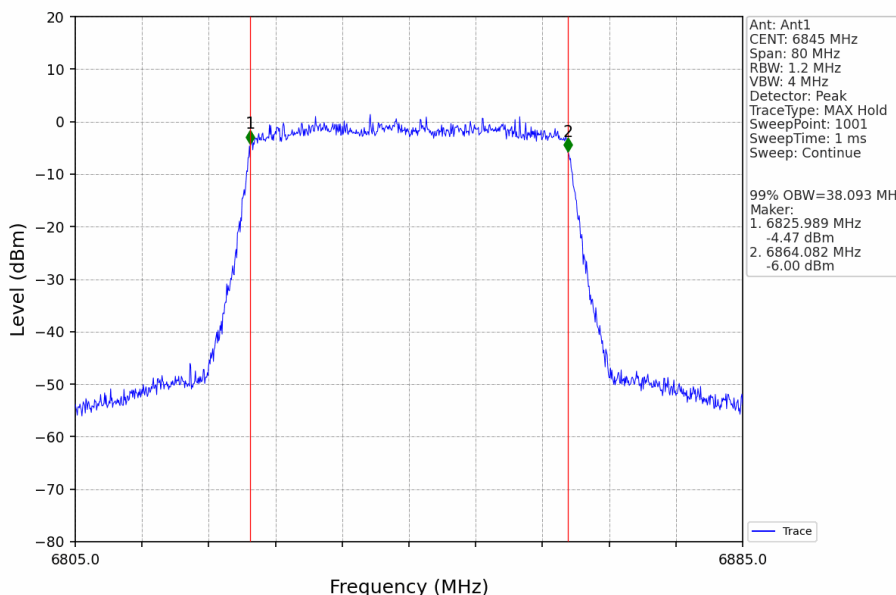
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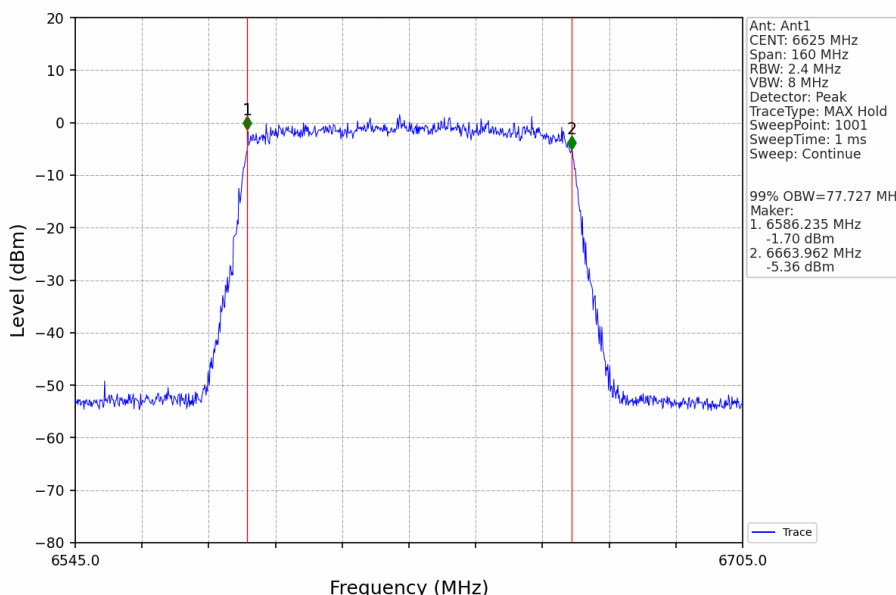
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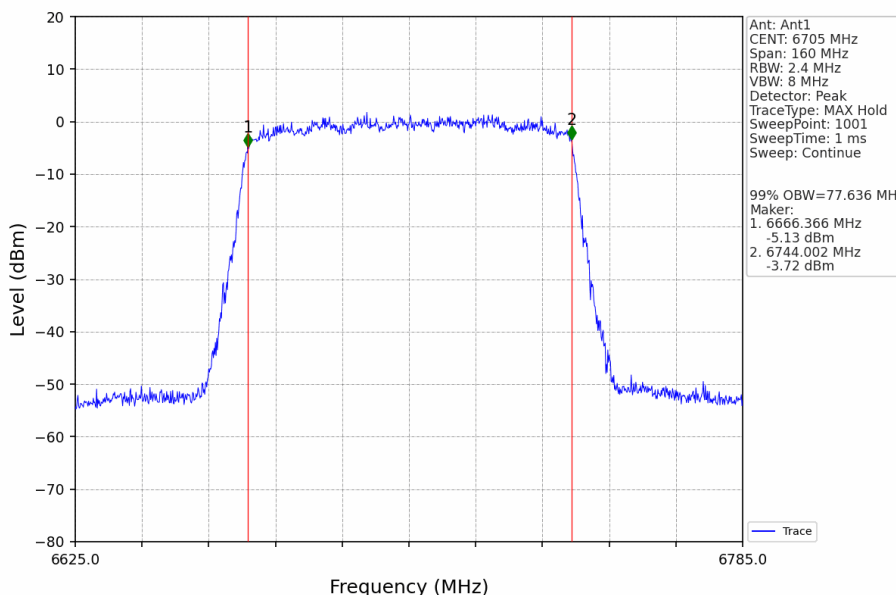
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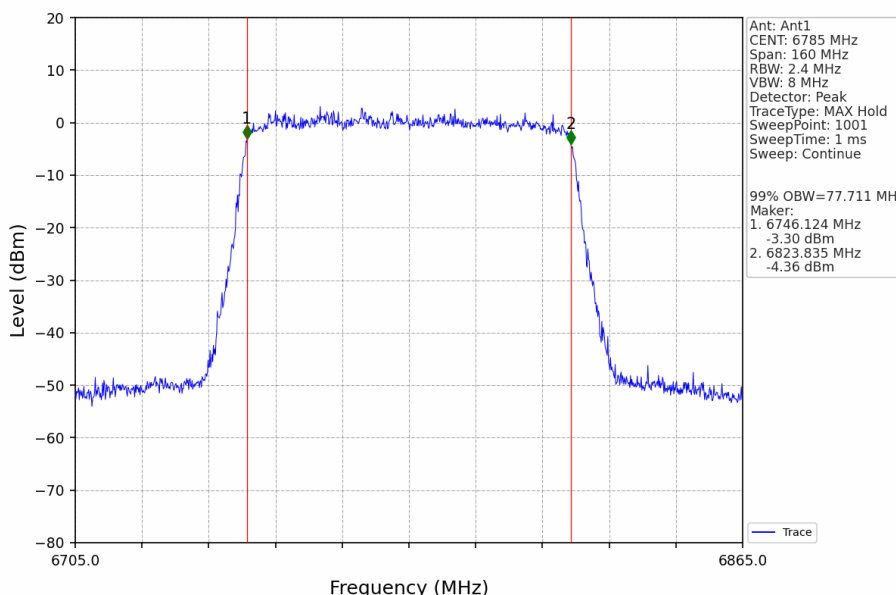
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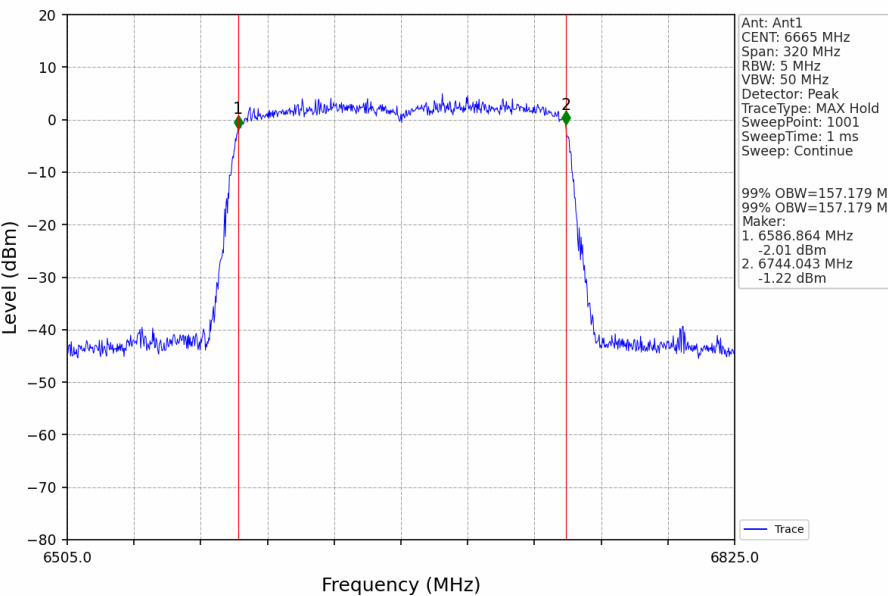
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802.11ax(HEW80)_HCH_6785MHz_RU996_Left_Ant1_NTNV



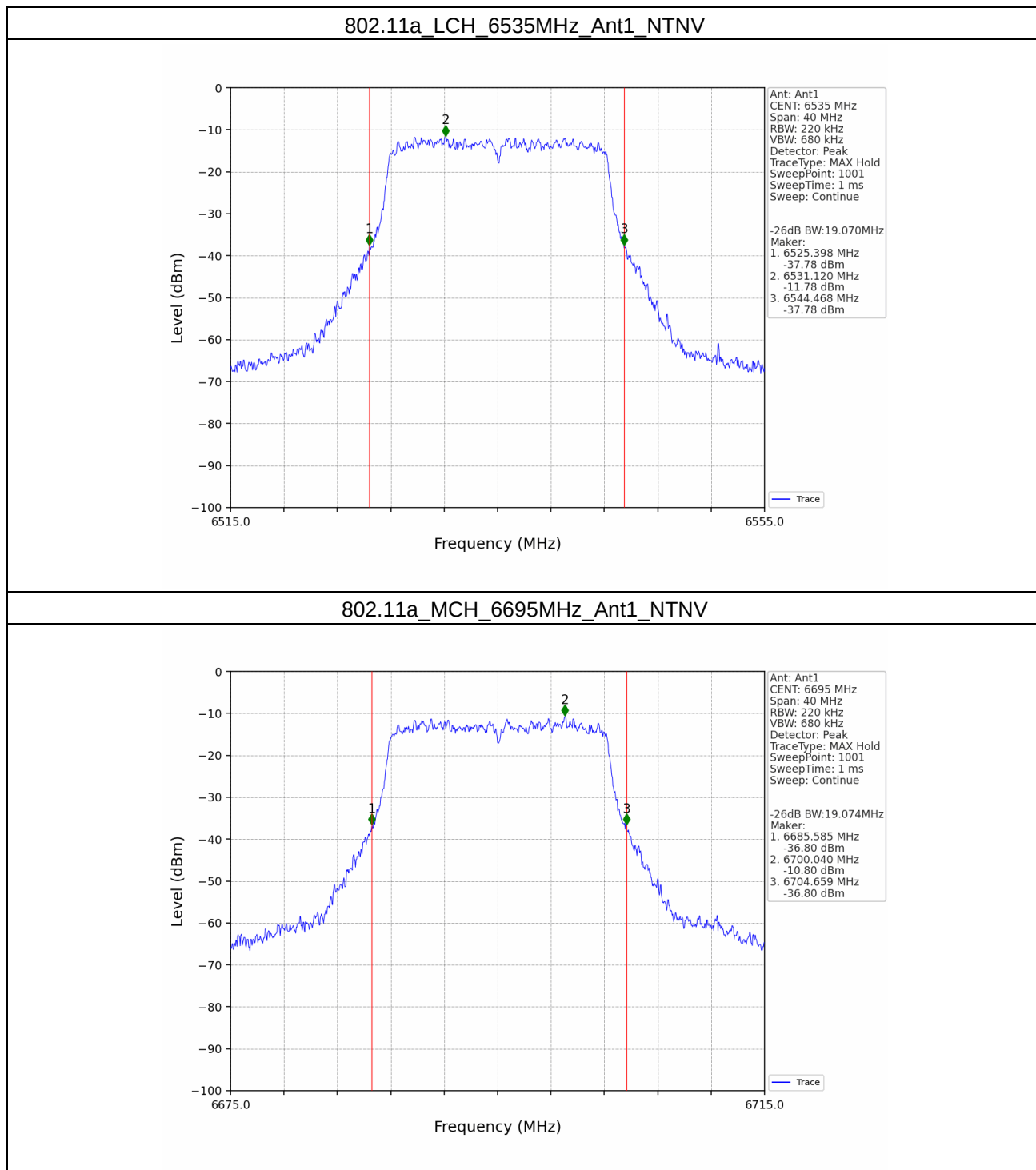
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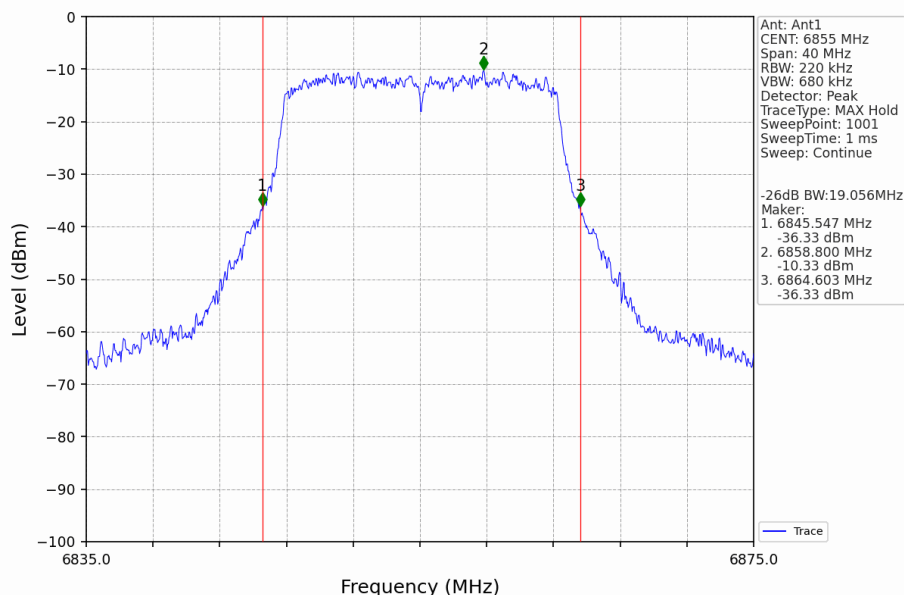
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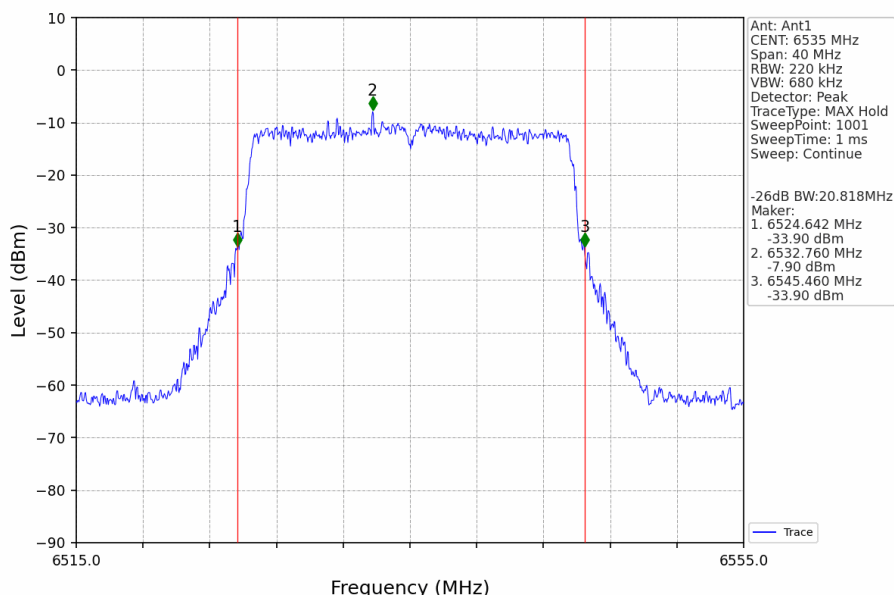
2.2.6 26dB BW



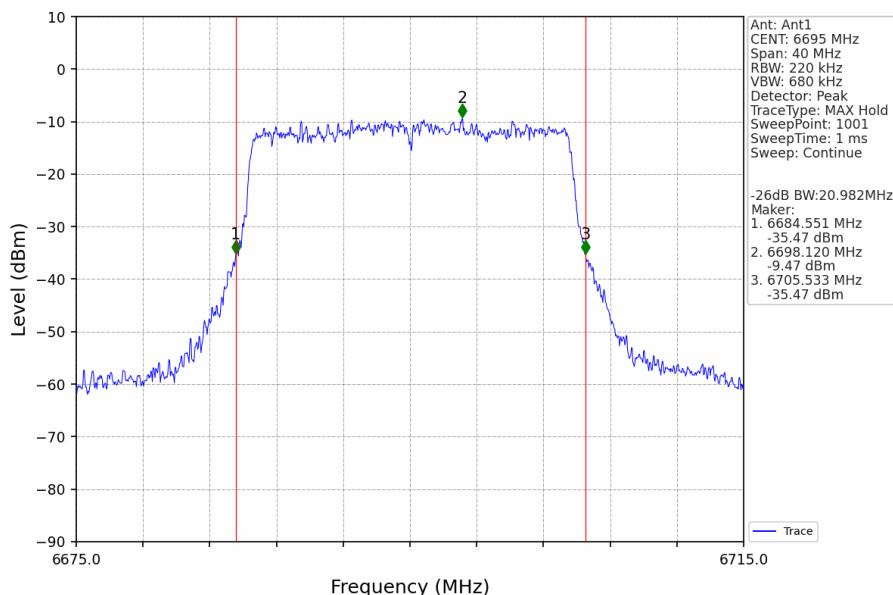
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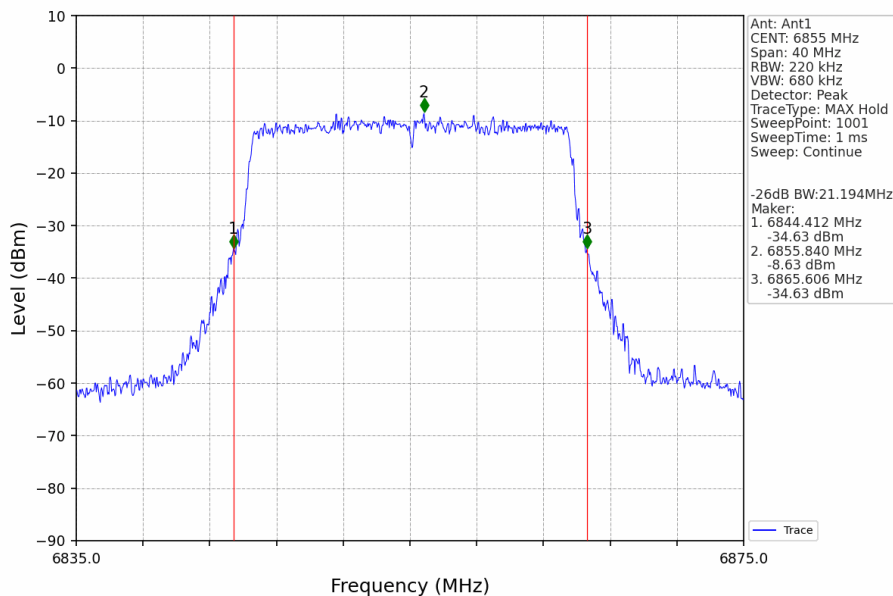
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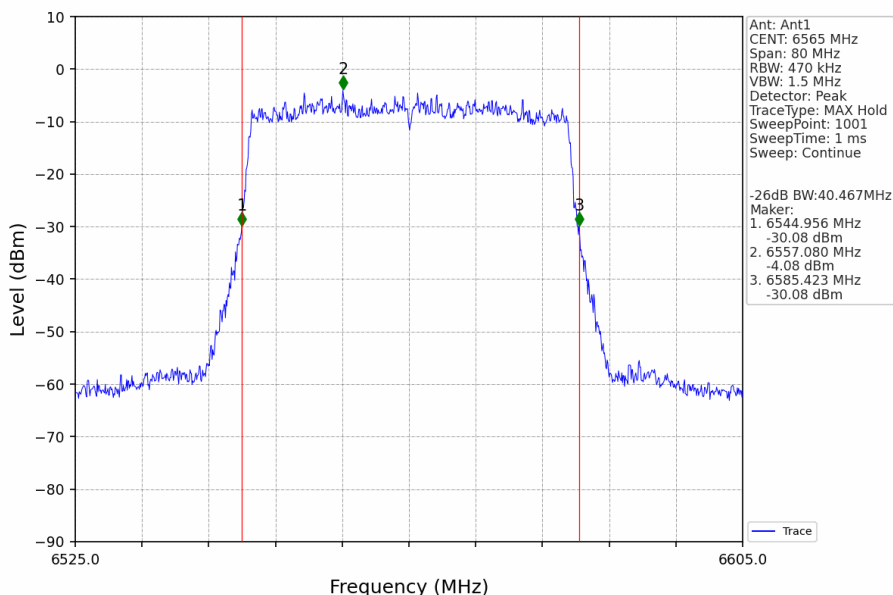
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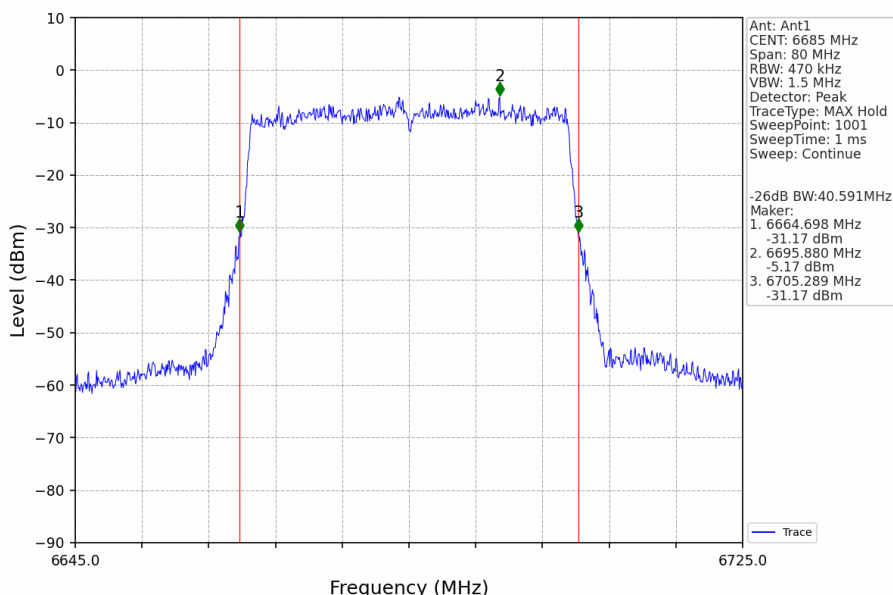
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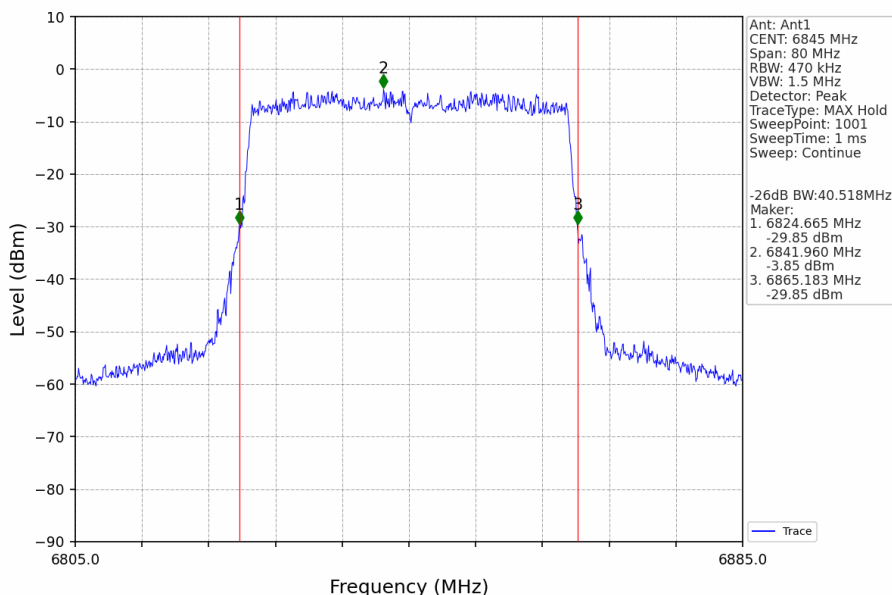
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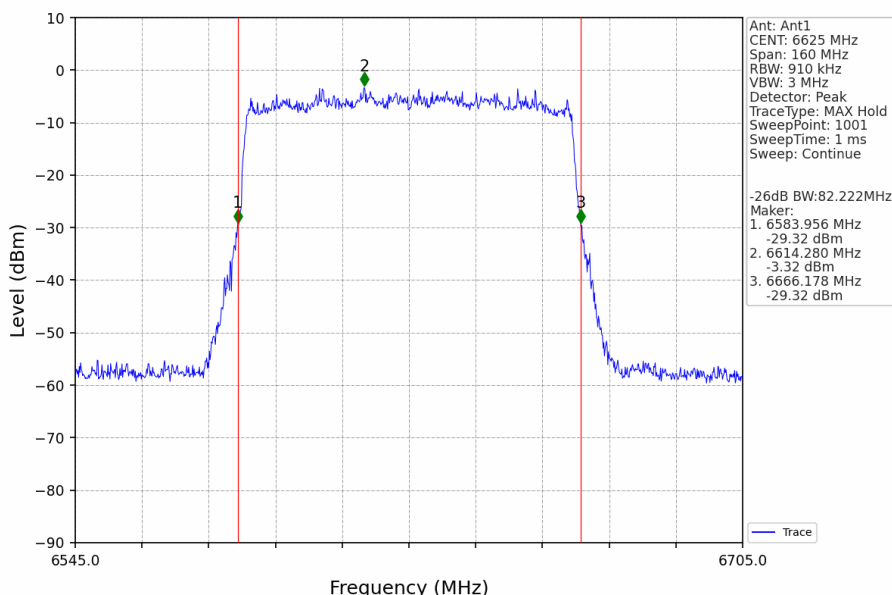
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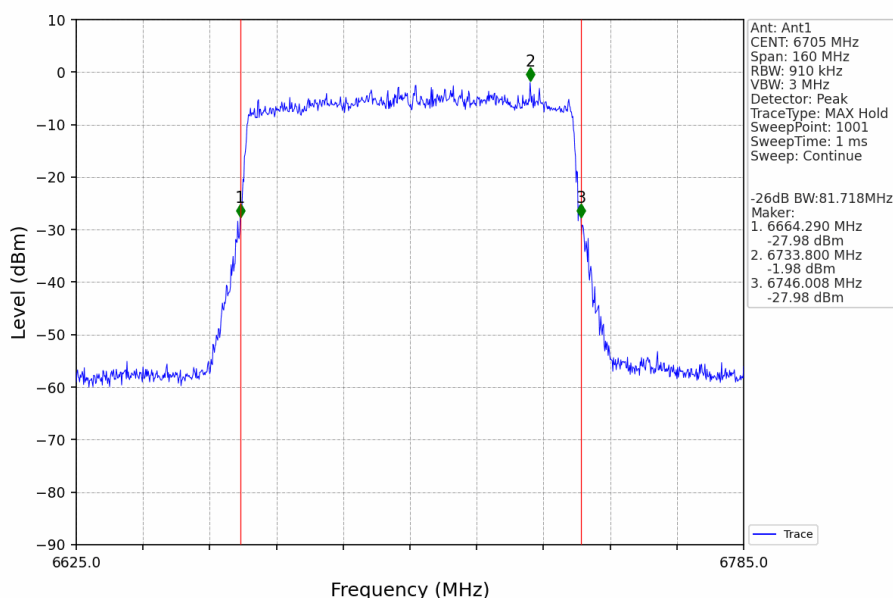
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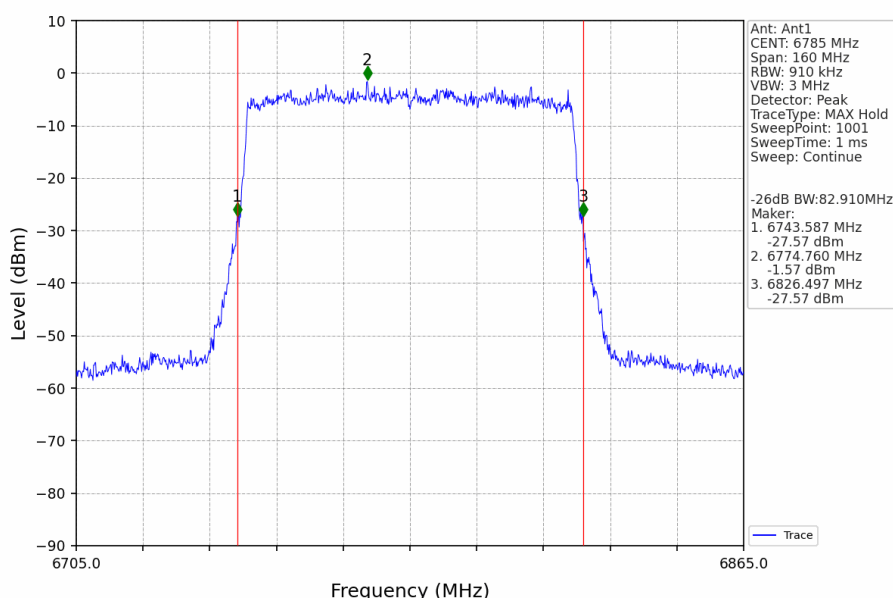
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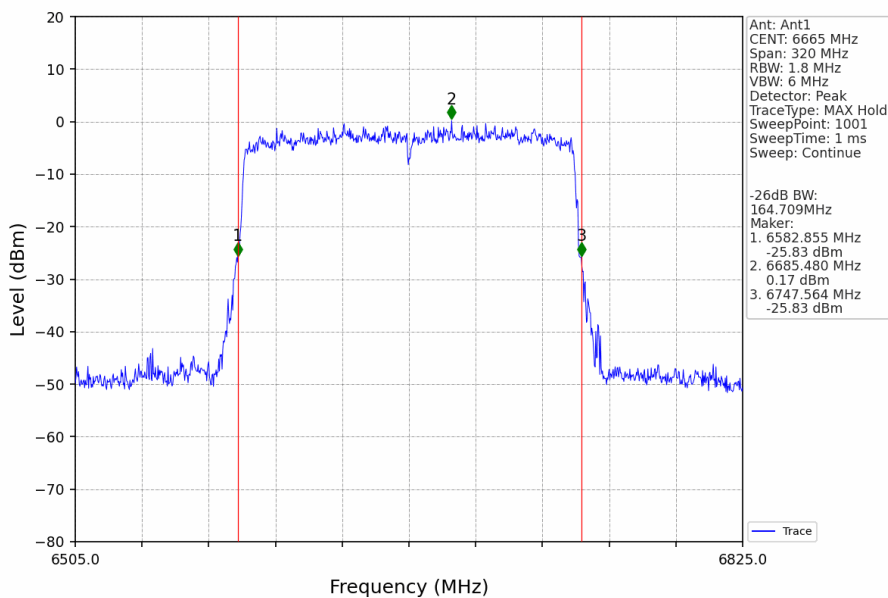
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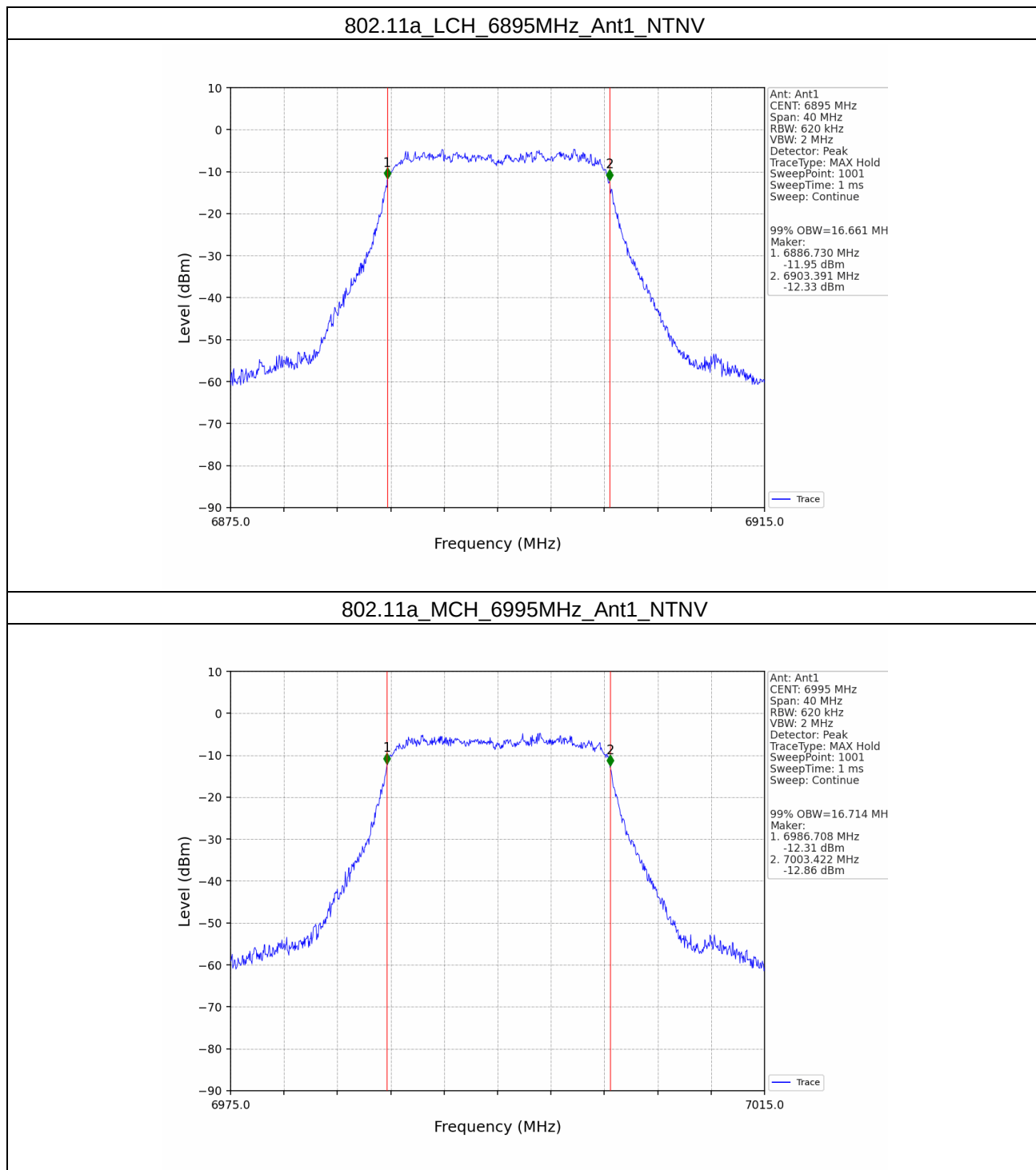
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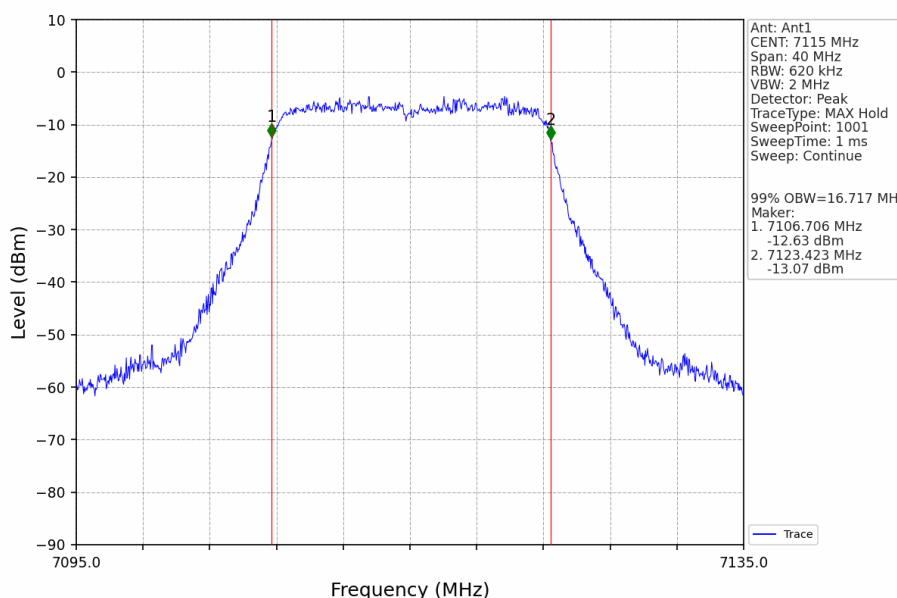
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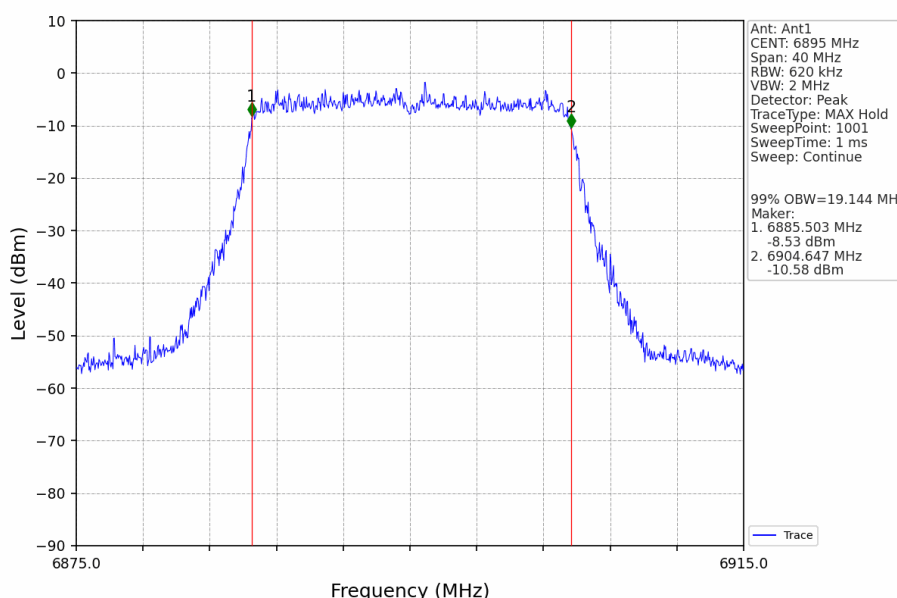
2.2.7 OBW



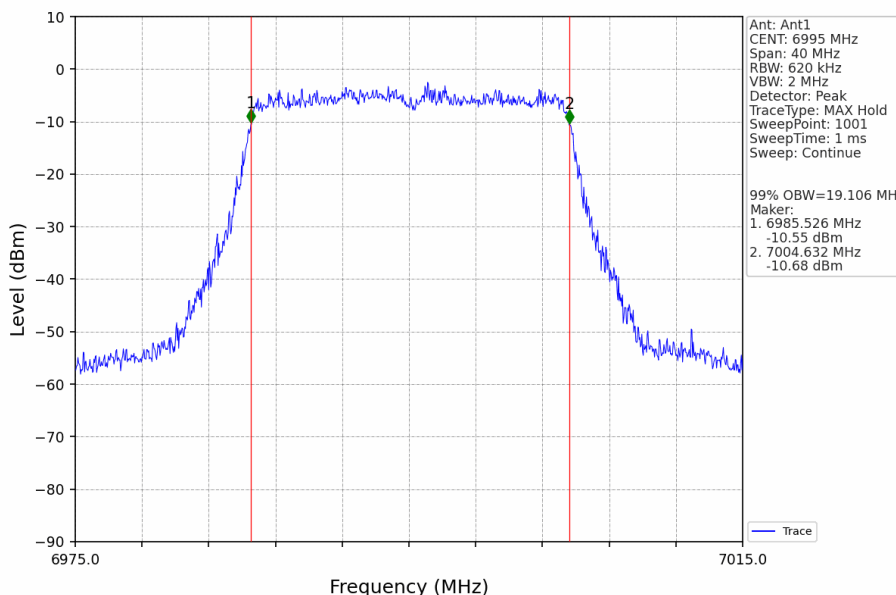
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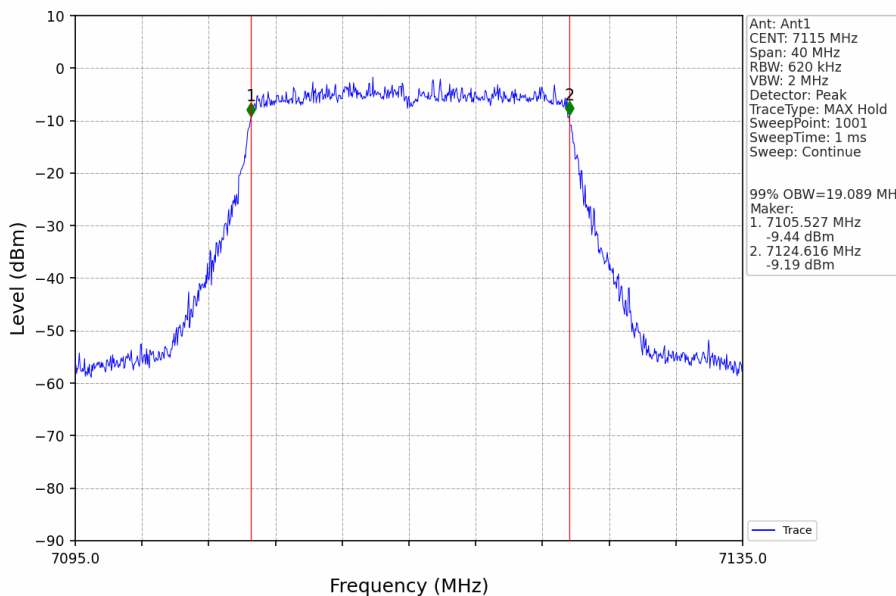
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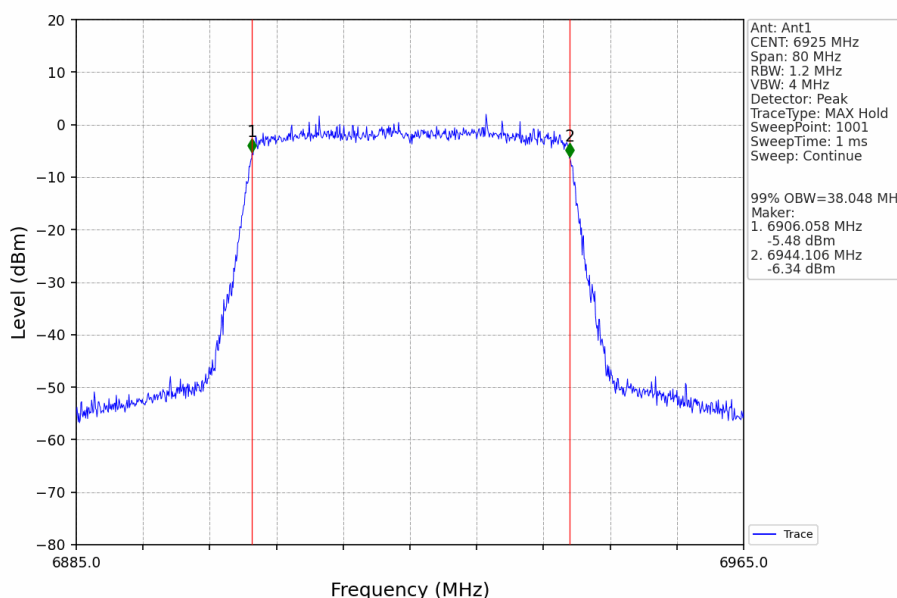
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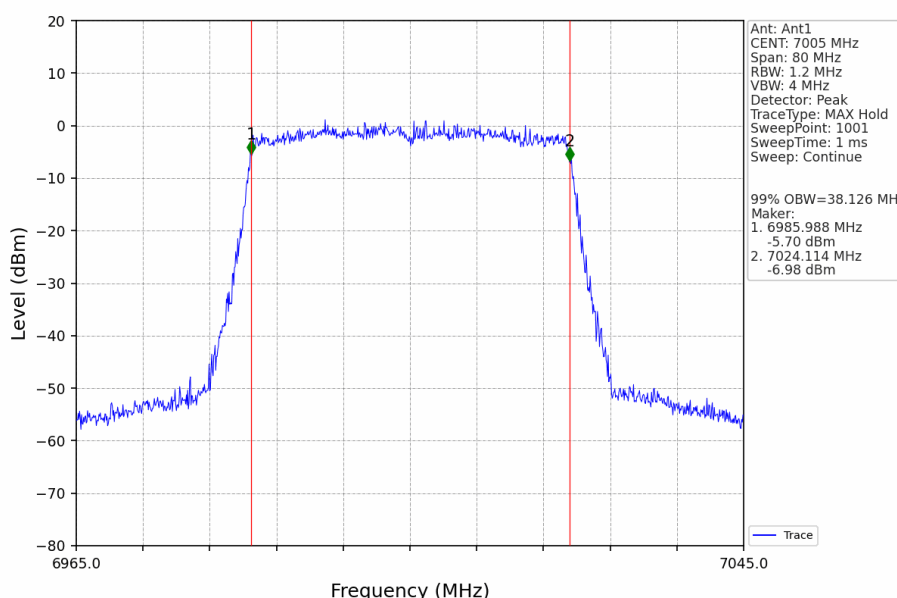
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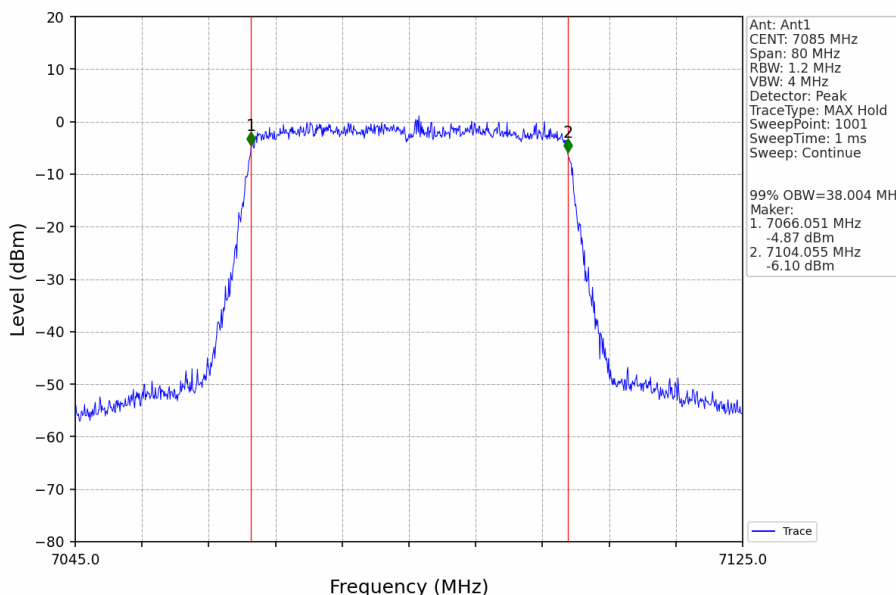
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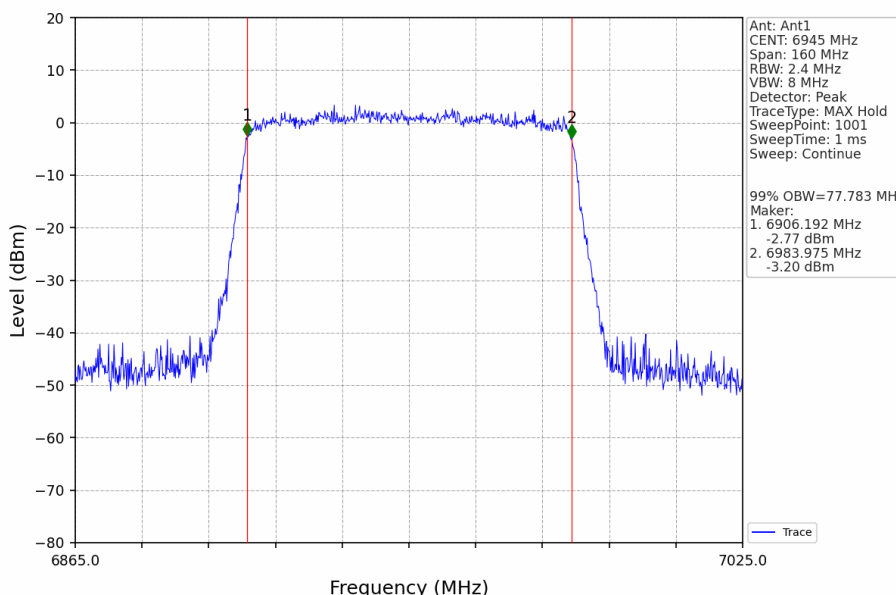
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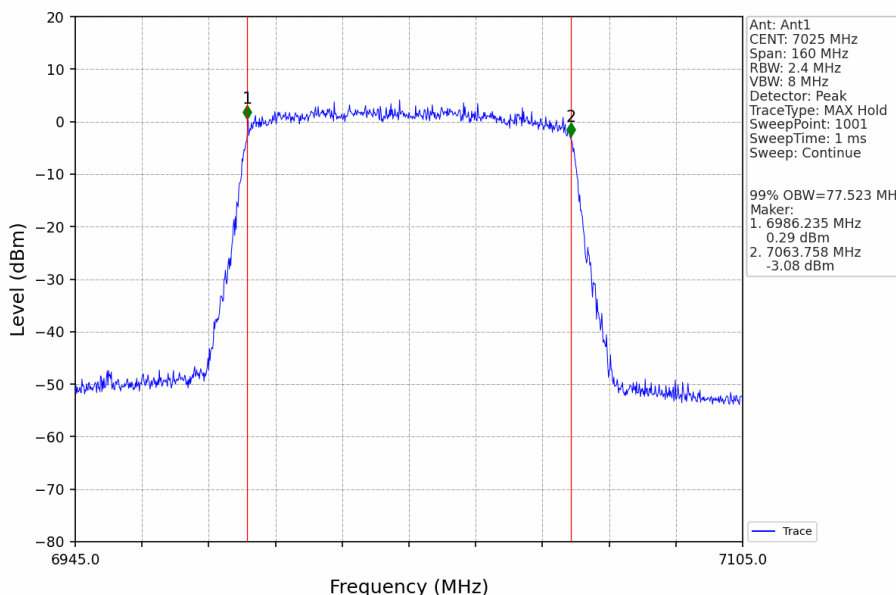
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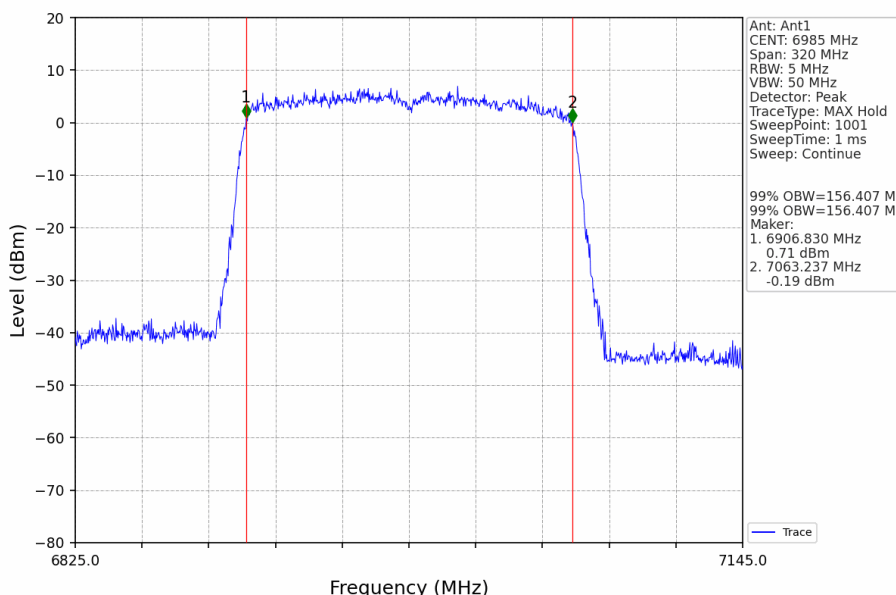
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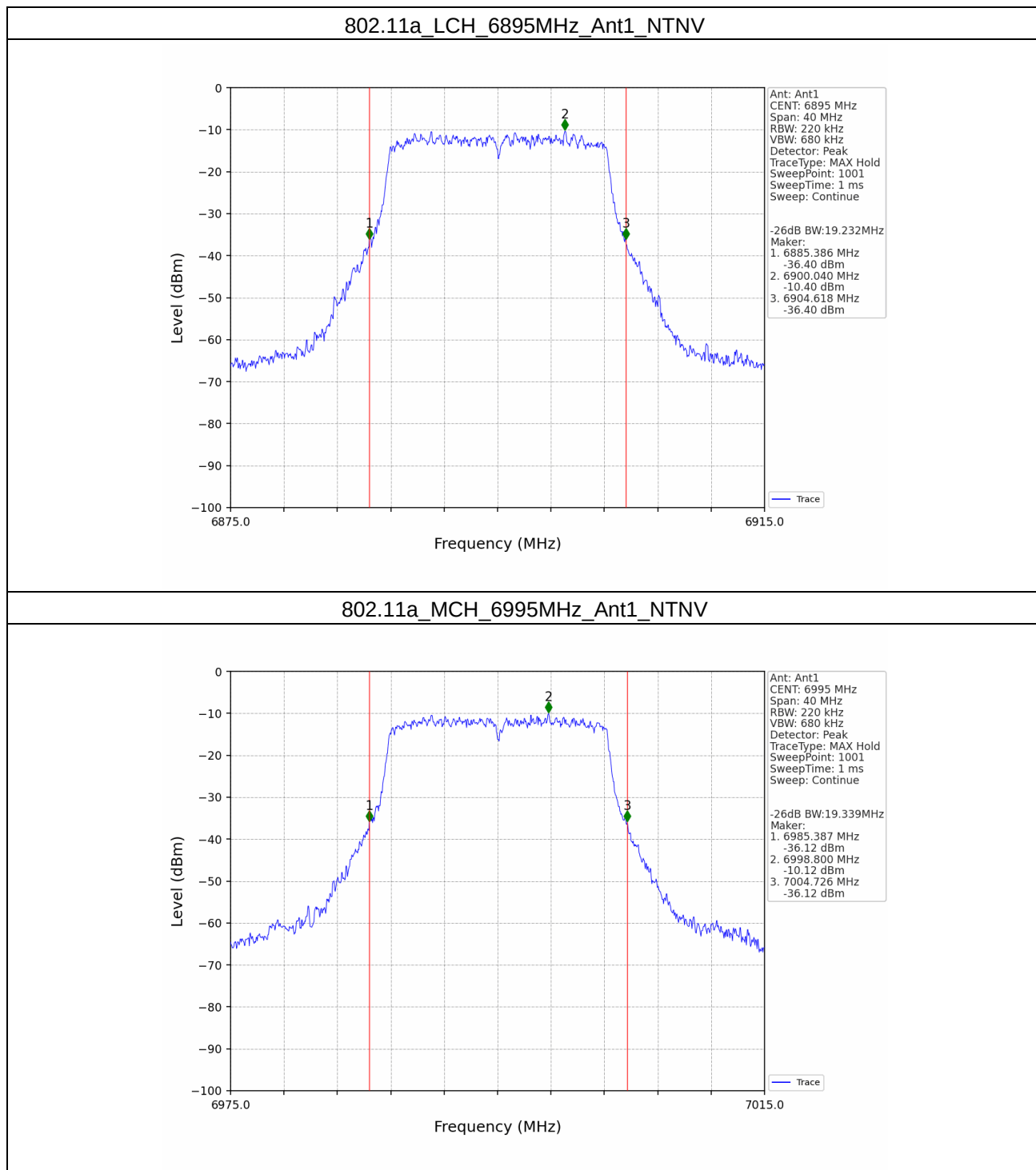
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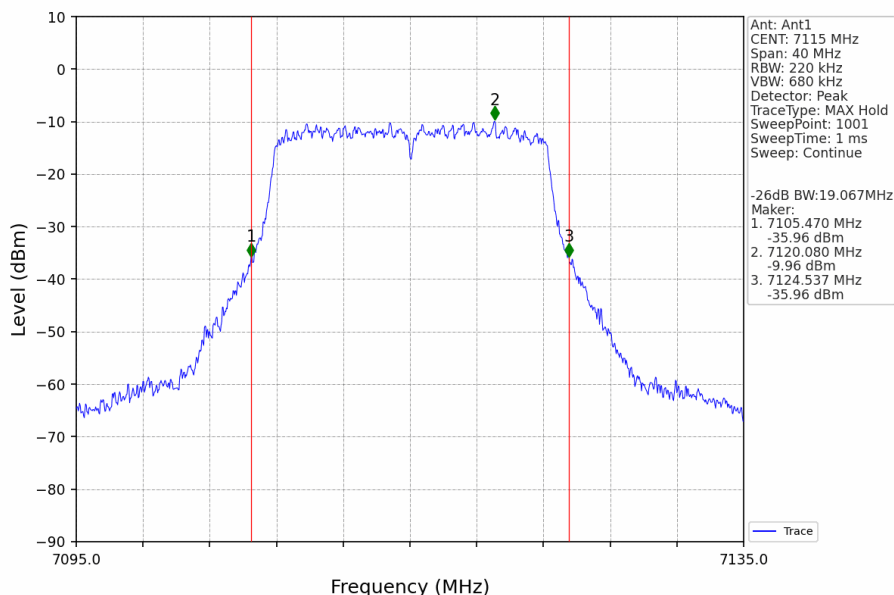
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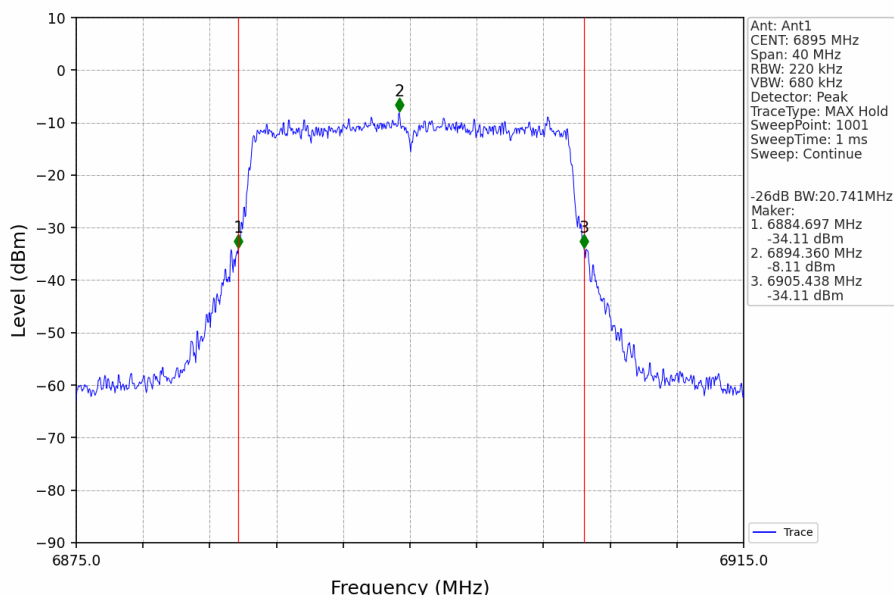
2.2.8 26dB BW



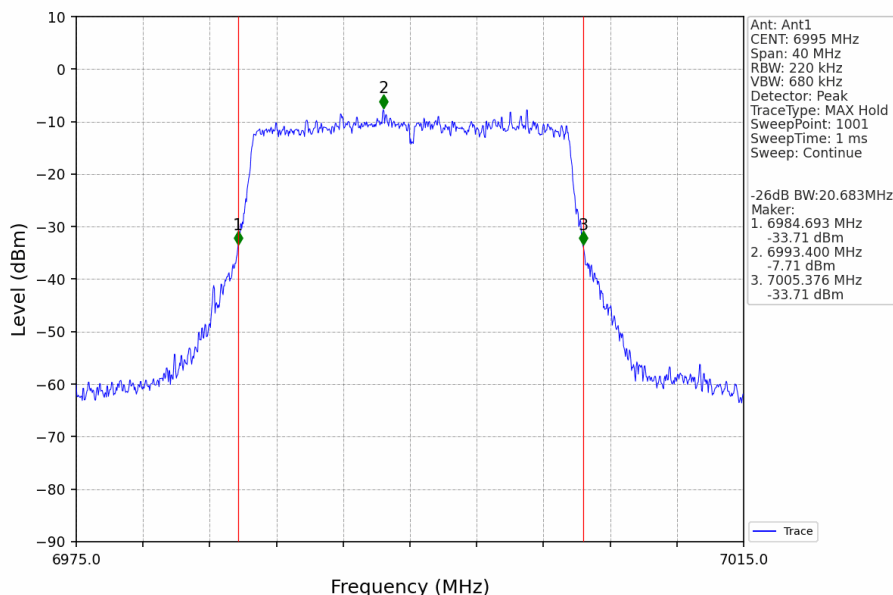
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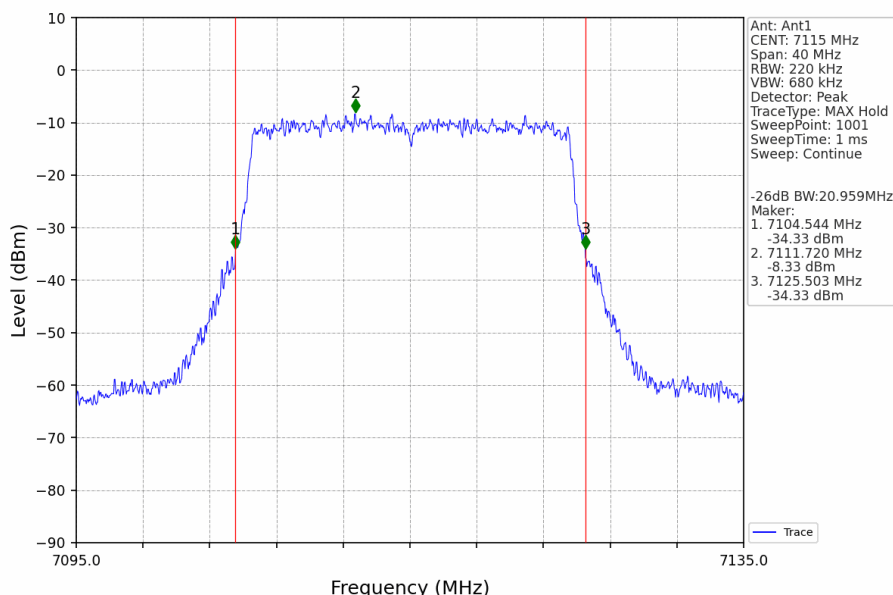
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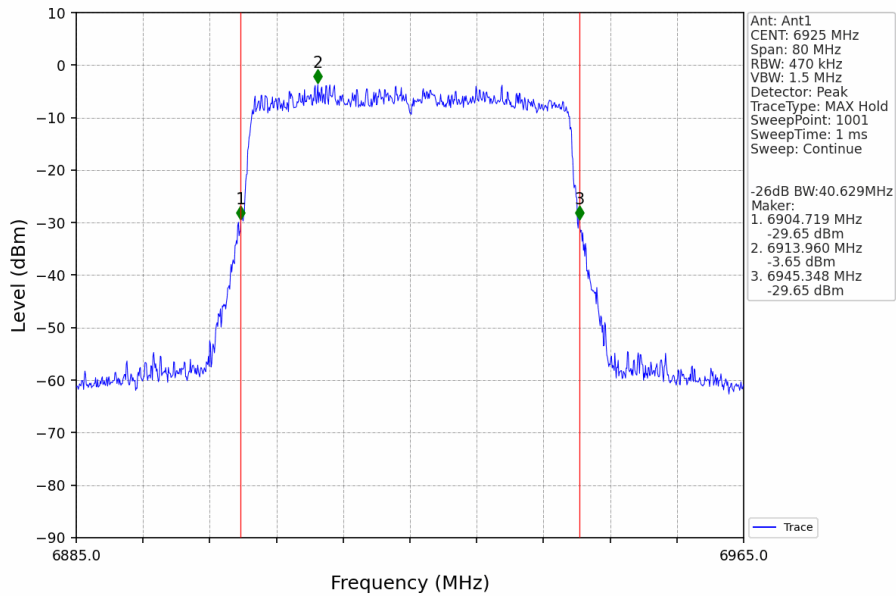
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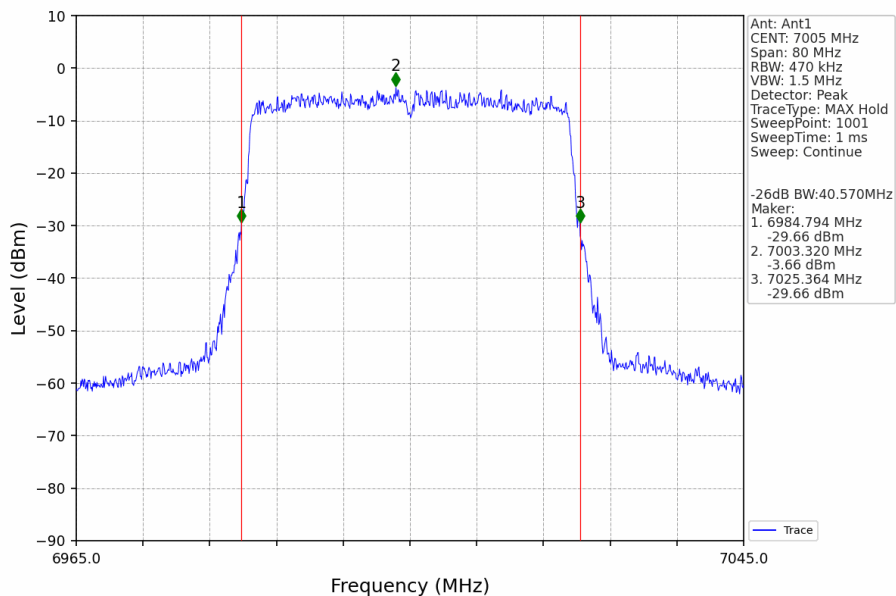
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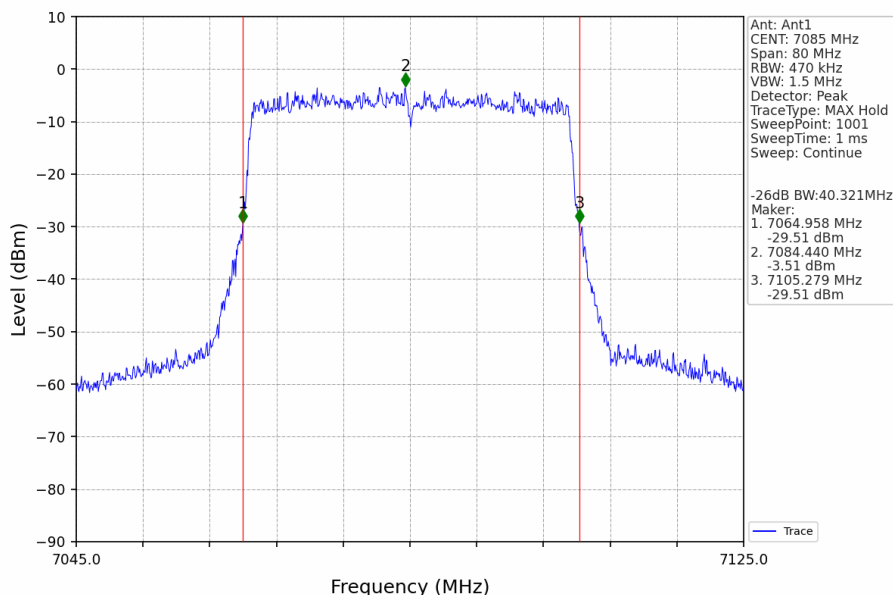
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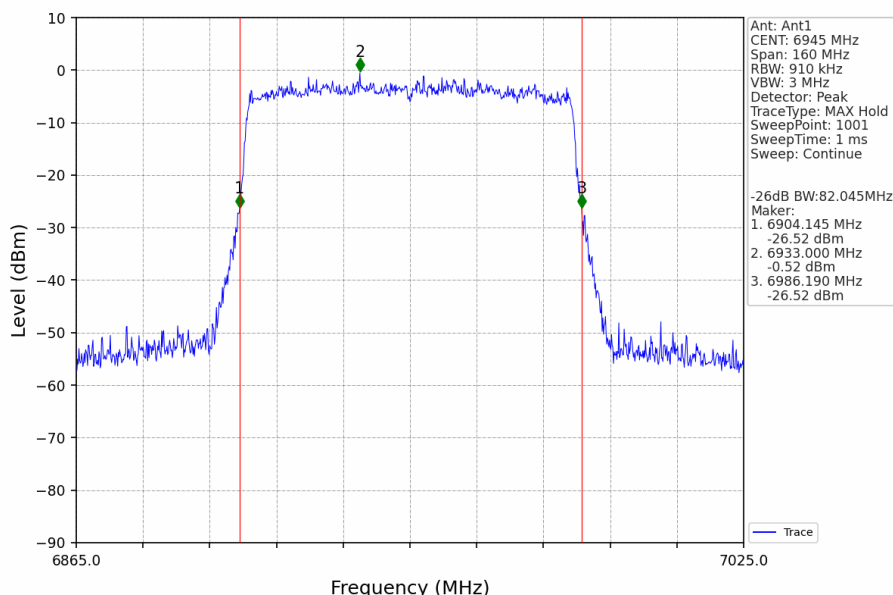
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802.11ax(HEW40)_HCH_7085MHz_RU484_Left_Ant1_NTNV



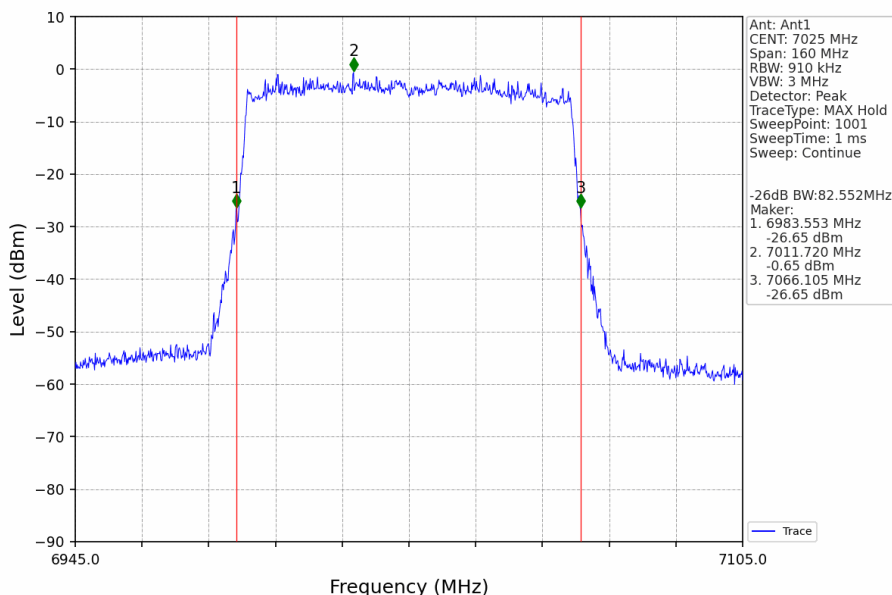
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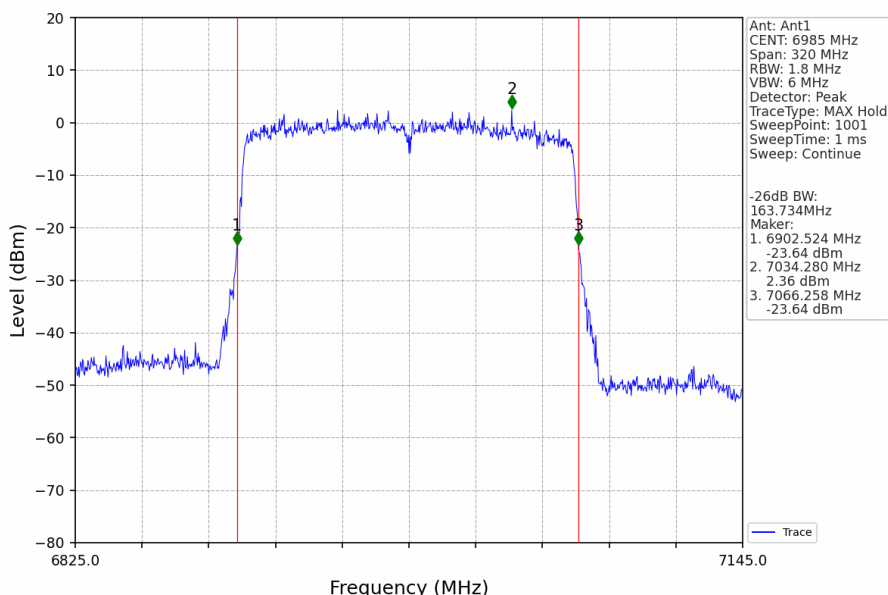
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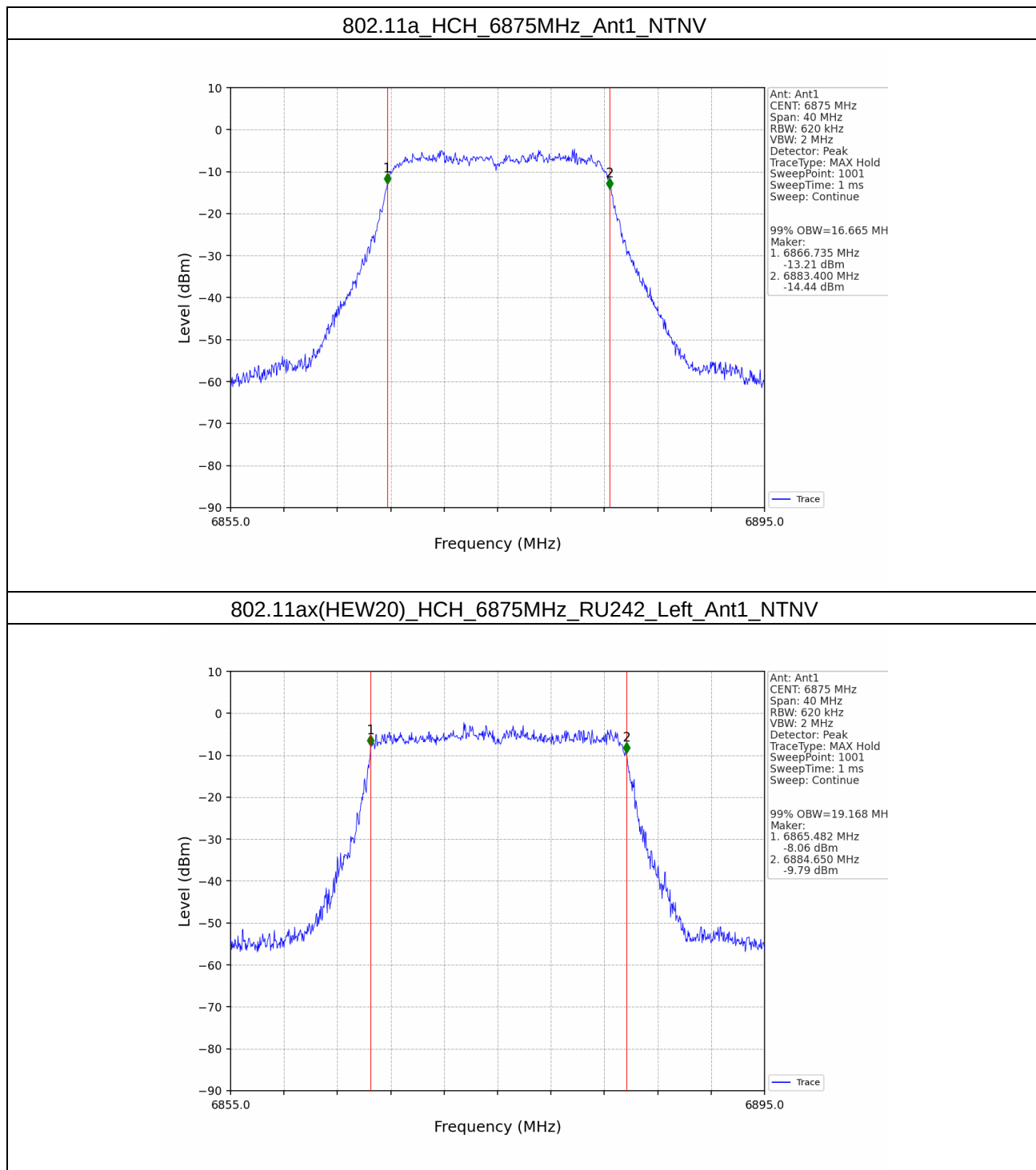
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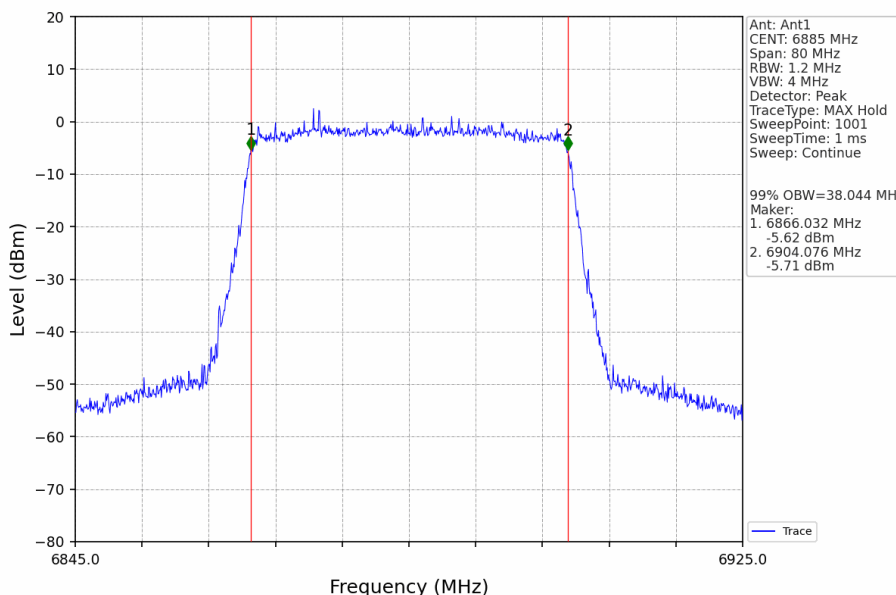
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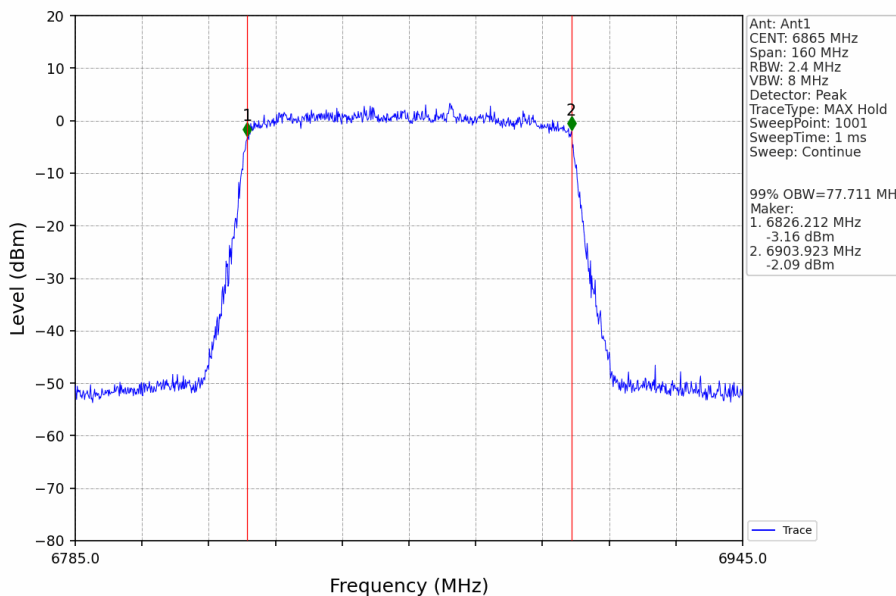
2.2.9 OBW



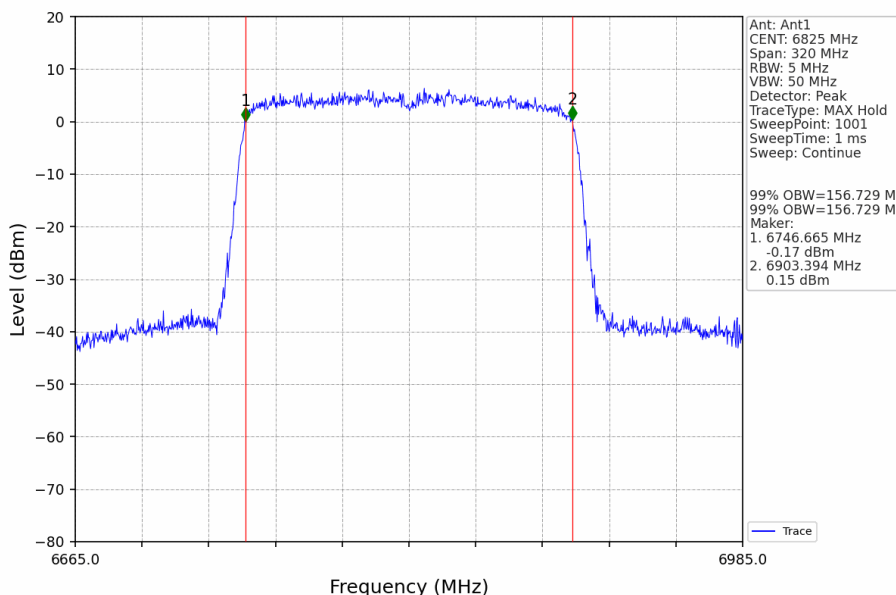
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802.11ax(HEW80)_HCH_6865MHz_RU996_Left_Ant1_NTNV



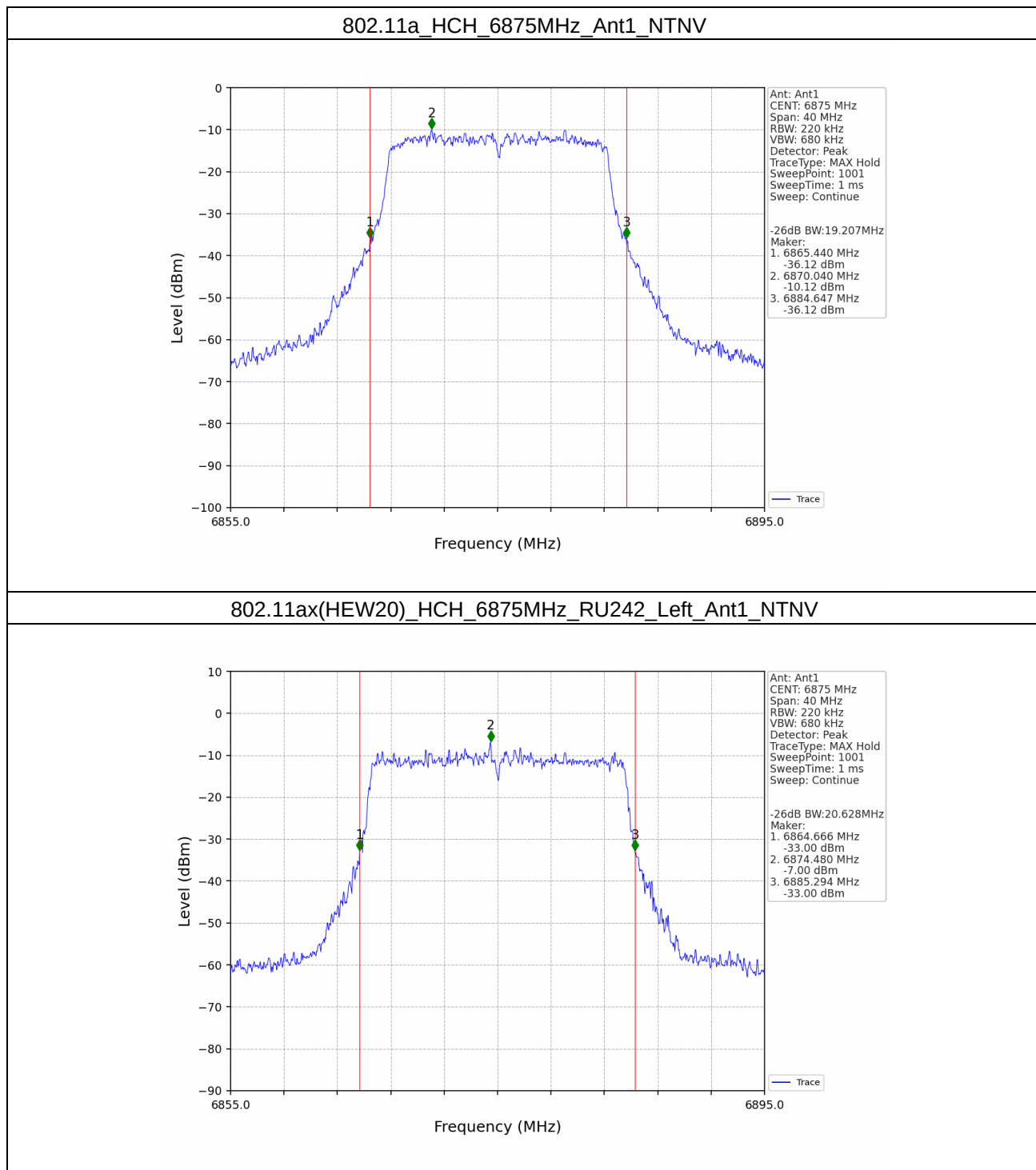
802.11ax(HEW160)_HCH_6825MHz_2xRU996_Left_Ant1_NTNV



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2.2.10 26dB BW



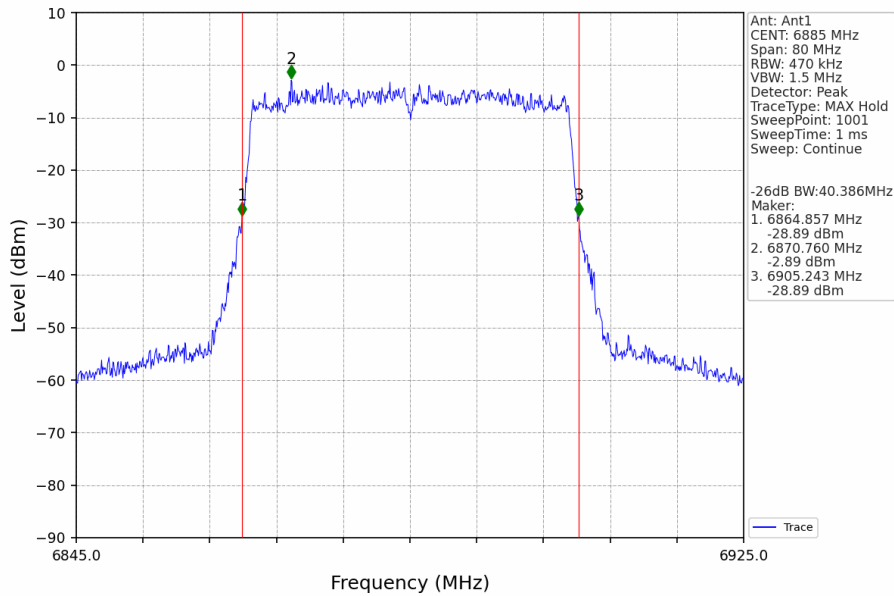
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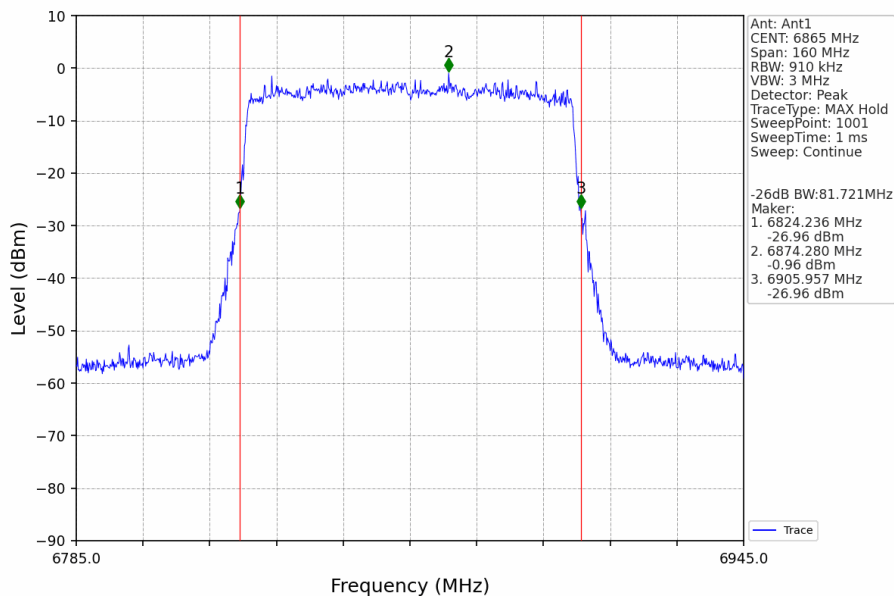
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Shenzhen Branch Testing & Calibration Laboratory

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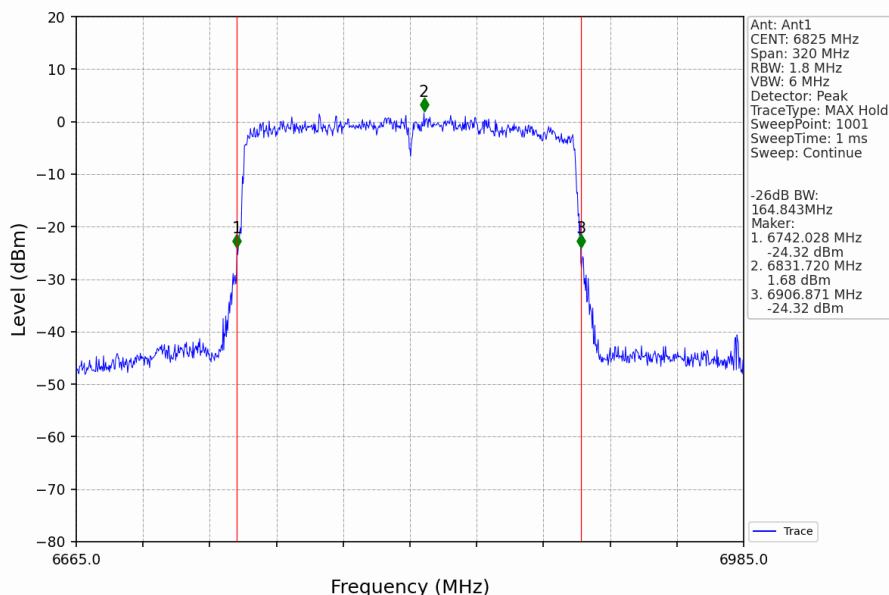
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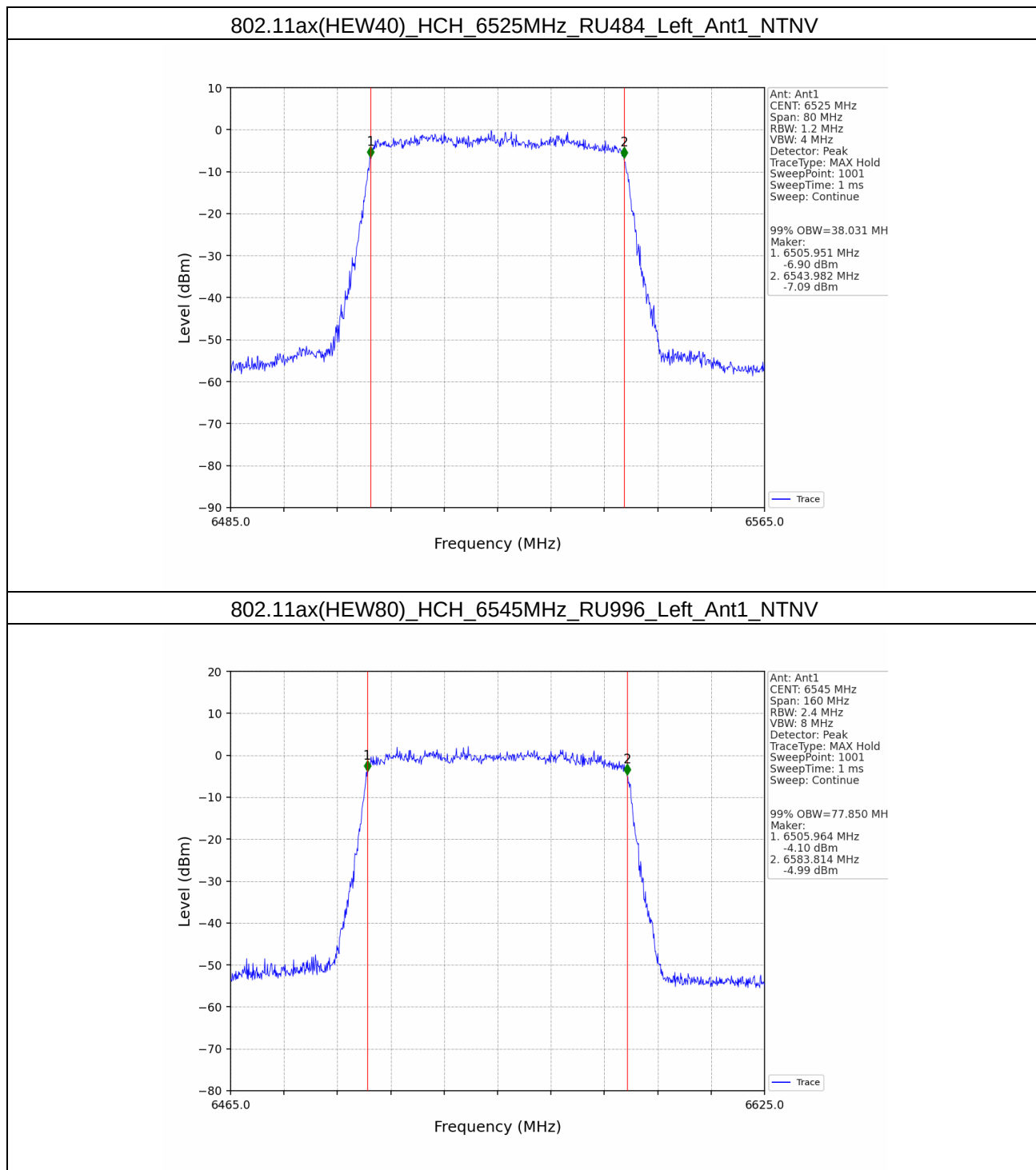
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802.11ax(HEW160)_HCH_6825MHz_2xRU996_Left_Ant1_NTNV



2.2.11 OBW



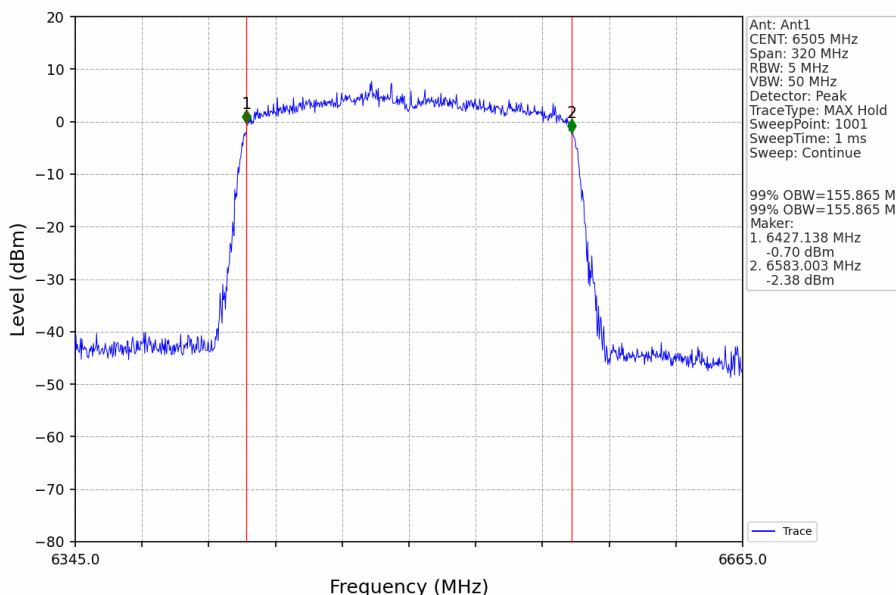
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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

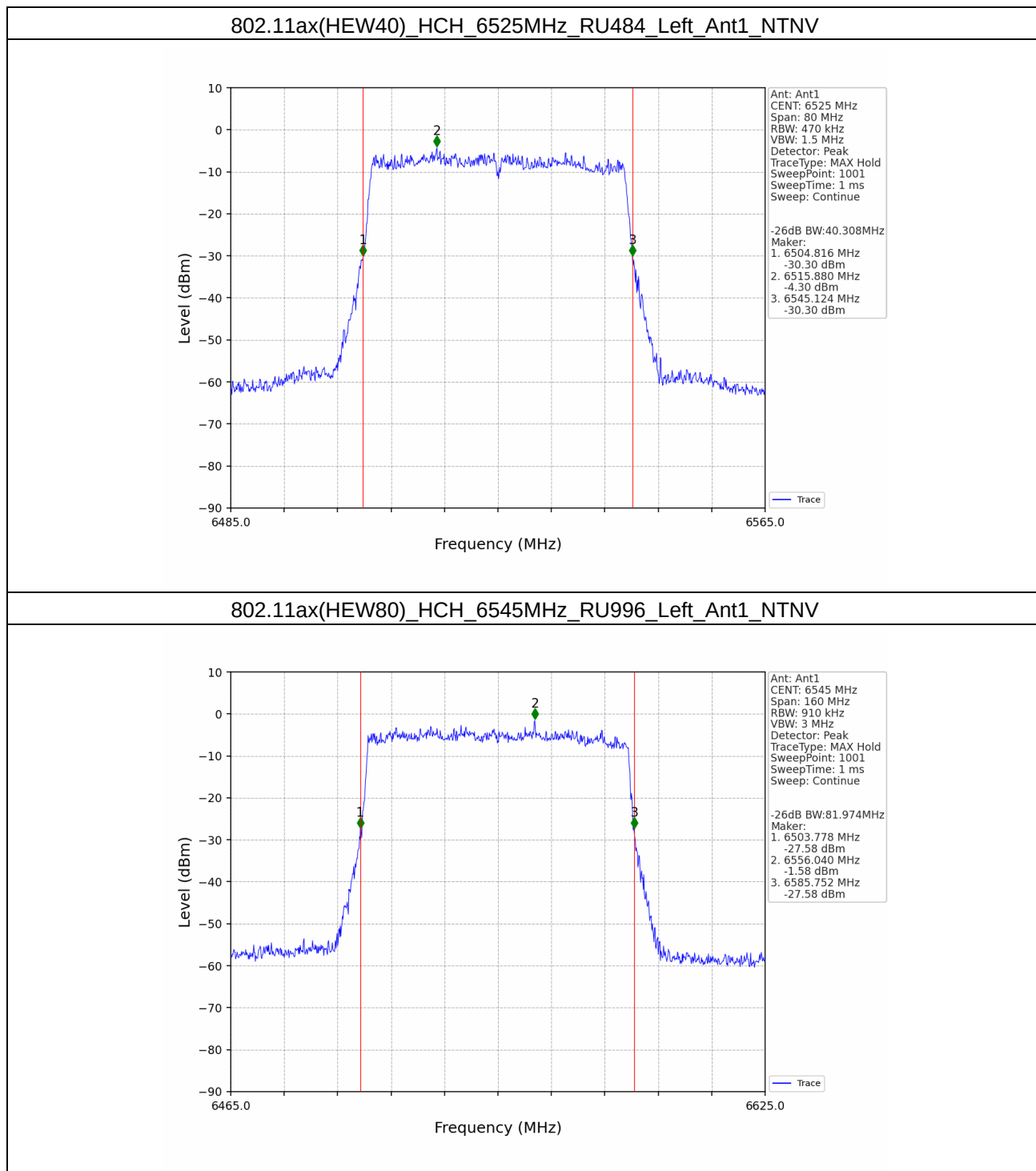
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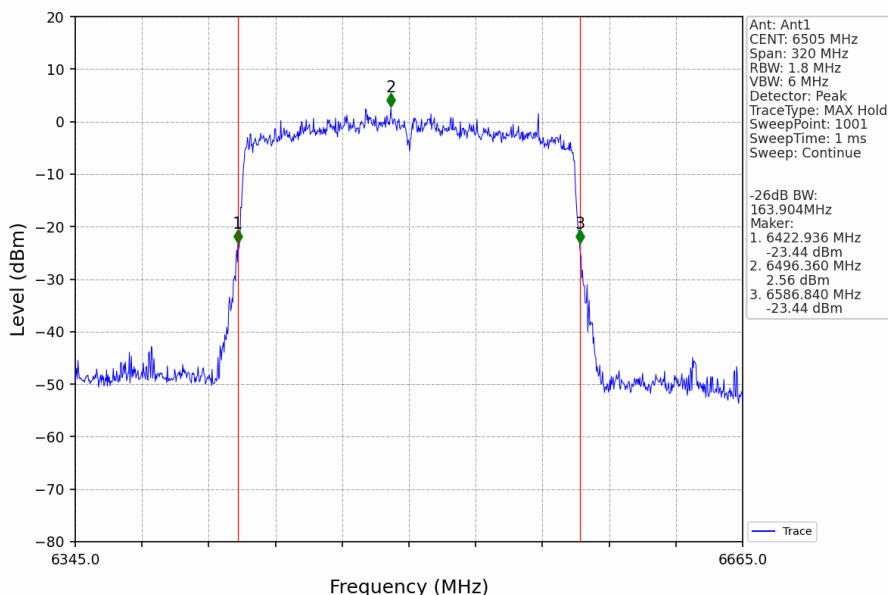
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2.2.12 26dB BW



802.11ax(HEW160)_HCH_6505MHz_2xRU996_Left_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	5955	/	/	0.46	-0.30	3.11	/	Pass
			6175	/	/	-1.00	1.18	3.24	/	Pass
			6415	/	/	-1.82	1.21	2.96	/	Pass
	802.11ax (HEW20)	MIMO	5955	RU242	Left	0.59	-0.05	3.29	/	Pass
			6175	RU242	Left	-0.66	1.64	3.65	/	Pass
			6415	RU242	Left	-1.53	1.46	3.23	/	Pass
	802.11ax (HEW40)	MIMO	5965	RU484	Left	2.74	2.91	5.84	/	Pass
			6165	RU484	Left	1.84	5.46	7.03	/	Pass
			6405	RU484	Left	1.23	4.20	5.97	/	Pass
	802.11ax (HEW80)	MIMO	5985	RU996	Left	5.68	6.37	9.05	/	Pass
			6145	RU996	Left	4.47	7.74	9.42	/	Pass
			6385	RU996	Left	4.67	7.27	9.17	/	Pass
	802.11ax (HEW160)	MIMO	6025	2xRU996	Left	7.93	9.73	11.93	/	Pass
			6185	2xRU996	Left	8.11	10.94	12.76	/	Pass
			6345	2xRU996	Left	7.49	10.23	12.08	/	Pass

Note1: Antenna Gain: Ant1: 5.81dBi; Ant2: 5.81dBi;

3.1.2 EIRP

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	5955	/	/	6.27	5.51	8.92	<=24	Pass
			6175	/	/	4.81	6.99	9.05	<=24	Pass
			6415	/	/	3.99	7.02	8.77	<=24	Pass
	802.11ax (HEW20)	MIMO	5955	RU242	Left	6.40	5.76	9.10	<=24	Pass
			6175	RU242	Left	5.15	7.45	9.46	<=24	Pass
			6415	RU242	Left	4.28	7.27	9.04	<=24	Pass
	802.11ax (HEW40)	MIMO	5965	RU484	Left	8.55	8.72	11.65	<=24	Pass
			6165	RU484	Left	7.65	11.27	12.84	<=24	Pass
			6405	RU484	Left	7.04	10.01	11.78	<=24	Pass



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300112106

Page: 236 of 615

	802.11ax (HEW80)	MIMO	5985	RU996	Left	11.49	12.18	14.86	<=24	Pass
			6145	RU996	Left	10.28	13.55	15.23	<=24	Pass
			6385	RU996	Left	10.48	13.08	14.98	<=24	Pass
	802.11ax (HEW160)	MIMO	6025	2xRU996	Left	13.74	15.54	17.74	<=24	Pass
			6185	2xRU996	Left	13.92	16.75	18.57	<=24	Pass
			6345	2xRU996	Left	13.30	16.04	17.89	<=24	Pass

Note1: Antenna Gain: Ant1: 5.81dBi; Ant2: 5.81dBi;

Note2: E.I.R.P = Measured Power + Antenna Gain

3.1.3 Power

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	6435	/	/	-1.09	2.22	3.88	/	Pass
			6475	/	/	-0.53	0.85	3.22	/	Pass
			6515	/	/	-0.98	1.30	3.32	/	Pass
	802.11ax (HEW20)	MIMO	6435	RU242	Left	-0.90	2.57	4.18	/	Pass
			6475	RU242	Left	0.14	1.05	3.63	/	Pass
			6515	RU242	Left	-0.35	1.55	3.71	/	Pass
	802.11ax (HEW40)	MIMO	6445	RU484	Left	2.73	4.14	6.50	/	Pass
			6485	RU484	Left	3.40	3.89	6.66	/	Pass
	802.11ax (HEW80)	MIMO	6465	RU996	Left	5.94	6.66	9.33	/	Pass

Note1: Antenna Gain: Ant1: 5.81dBi; Ant2: 5.81dBi;

3.1.4 EIRP

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	6435	/	/	4.72	8.03	9.69	<=24	Pass
			6475	/	/	5.28	6.66	9.03	<=24	Pass
			6515	/	/	4.83	7.11	9.13	<=24	Pass
	802.11ax (HEW20)	MIMO	6435	RU242	Left	4.91	8.38	9.99	<=24	Pass
			6475	RU242	Left	5.95	6.86	9.44	<=24	Pass
			6515	RU242	Left	5.46	7.36	9.52	<=24	Pass
	802.11ax (HEW40)	MIMO	6445	RU484	Left	8.54	9.95	12.31	<=24	Pass
			6485	RU484	Left	9.21	9.70	12.47	<=24	Pass
	802.11ax (HEW80)	MIMO	6465	RU996	Left	11.75	12.47	15.14	<=24	Pass

Note1: Antenna Gain: Ant1: 5.81dBi; Ant2: 5.81dBi;

Note2: E.I.R.P = Measured Power + Antenna Gain



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300112106

Page: 237 of 615

3.1.5 Power

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	6535	/	/	-1.36	1.20	3.12	/	Pass
			6695	/	/	-1.09	1.82	3.61	/	Pass
			6855	/	/	-0.22	0.87	3.37	/	Pass
	802.11ax (HEW20)	MIMO	6535	RU242	Left	-0.30	2.36	4.24	/	Pass
			6695	RU242	Left	-1.03	1.95	3.72	/	Pass
			6855	RU242	Left	0.57	1.29	3.96	/	Pass
	802.11ax (HEW40)	MIMO	6565	RU484	Left	1.95	4.56	6.46	/	Pass
			6685	RU484	Left	1.34	4.30	6.08	/	Pass
			6845	RU484	Left	3.12	3.99	6.59	/	Pass
	802.11ax (HEW80)	MIMO	6625	RU996	Left	4.40	7.42	9.18	/	Pass
			6705	RU996	Left	4.95	7.19	9.22	/	Pass
			6785	RU996	Left	5.86	7.18	9.58	/	Pass
	802.11ax (HEW160)	MIMO	6665	2xRU996	Left	7.45	10.69	12.38	/	Pass

Note1: Antenna Gain: Ant1: 5.81dBi; Ant2: 5.81dBi;

3.1.6 EIRP

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	6535	/	/	4.45	7.01	8.93	<=24	Pass
			6695	/	/	4.72	7.63	9.42	<=24	Pass
			6855	/	/	5.59	6.68	9.18	<=24	Pass
	802.11ax (HEW20)	MIMO	6535	RU242	Left	5.51	8.17	10.05	<=24	Pass
			6695	RU242	Left	4.78	7.76	9.53	<=24	Pass
			6855	RU242	Left	6.38	7.10	9.77	<=24	Pass
	802.11ax (HEW40)	MIMO	6565	RU484	Left	7.76	10.37	12.27	<=24	Pass
			6685	RU484	Left	7.15	10.11	11.89	<=24	Pass
			6845	RU484	Left	8.93	9.80	12.40	<=24	Pass
	802.11ax (HEW80)	MIMO	6625	RU996	Left	10.21	13.23	14.99	<=24	Pass
			6705	RU996	Left	10.76	13.00	15.03	<=24	Pass
			6785	RU996	Left	11.67	12.99	15.39	<=24	Pass
	802.11ax (HEW160)	MIMO	6665	2xRU996	Left	13.26	16.50	18.19	<=24	Pass

Note1: Antenna Gain: Ant1: 5.81dBi; Ant2: 5.81dBi;
Note2: E.I.R.P = Measured Power + Antenna Gain



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300112106

Page: 238 of 615

3.1.7 Power

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	6895	/	/	0.56	0.91	3.75	/	Pass
			6995	/	/	0.65	-1.26	2.81	/	Pass
			7115	/	/	1.00	0.70	3.86	/	Pass
	802.11ax (HEW20)	MIMO	6895	RU242	Left	0.40	0.74	3.58	/	Pass
			6995	RU242	Left	1.58	-0.44	3.70	/	Pass
			7115	RU242	Left	0.86	0.57	3.73	/	Pass
	802.11ax (HEW40)	MIMO	6925	RU484	Left	4.20	3.21	6.74	/	Pass
			7005	RU484	Left	4.46	2.33	6.53	/	Pass
			7085	RU484	Left	4.46	3.85	7.18	/	Pass
	802.11ax (HEW80)	MIMO	6945	RU996	Left	7.32	6.07	9.75	/	Pass
			7025	RU996	Left	6.84	5.14	9.08	/	Pass
	802.11ax (HEW160)	MIMO	6985	2xRU996	Left	9.39	7.97	11.75	/	Pass

Note1: Antenna Gain: Ant1: 5.81dBi; Ant2: 5.81dBi;

3.1.8 EIRP

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	6895	/	/	6.37	6.72	9.56	<=24	Pass
			6995	/	/	6.46	4.55	8.62	<=24	Pass
			7115	/	/	6.81	6.51	9.67	<=24	Pass
	802.11ax (HEW20)	MIMO	6895	RU242	Left	6.21	6.55	9.39	<=24	Pass
			6995	RU242	Left	7.39	5.37	9.51	<=24	Pass
			7115	RU242	Left	6.67	6.38	9.54	<=24	Pass
	802.11ax (HEW40)	MIMO	6925	RU484	Left	10.01	9.02	12.55	<=24	Pass
			7005	RU484	Left	10.27	8.14	12.34	<=24	Pass
			7085	RU484	Left	10.27	9.66	12.99	<=24	Pass
	802.11ax (HEW80)	MIMO	6945	RU996	Left	13.13	11.88	15.56	<=24	Pass
			7025	RU996	Left	12.65	10.95	14.89	<=24	Pass
	802.11ax (HEW160)	MIMO	6985	2xRU996	Left	15.20	13.78	17.56	<=24	Pass

Note1: Antenna Gain: Ant1: 5.81dBi; Ant2: 5.81dBi;
Note2: E.I.R.P = Measured Power + Antenna Gain

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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300112106

Page: 239 of 615

3.1.9 Power

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	6875	/	/	-0.27	0.50	3.14	/	Pass
	802.11ax (HEW20)	MIMO	6875	RU242	Left	0.49	1.09	3.81	/	Pass
	802.11ax (HEW40)	MIMO	6885	RU484	Left	3.16	3.42	6.30	/	Pass
	802.11ax (HEW80)	MIMO	6865	RU996	Left	6.28	6.69	9.50	/	Pass
	802.11ax (HEW160)	MIMO	6825	2xRU996	Left	9.52	10.53	13.06	/	Pass

Note1: Antenna Gain: Ant1: 5.81dBi; Ant2: 5.81dBi;

3.1.10 EIRP

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	6875	/	/	5.54	6.31	8.95	<=24	Pass
	802.11ax (HEW20)	MIMO	6875	RU242	Left	6.30	6.90	9.62	<=24	Pass
	802.11ax (HEW40)	MIMO	6885	RU484	Left	8.97	9.23	12.11	<=24	Pass
	802.11ax (HEW80)	MIMO	6865	RU996	Left	12.09	12.50	15.31	<=24	Pass
	802.11ax (HEW160)	MIMO	6825	2xRU996	Left	15.33	16.34	18.87	<=24	Pass

Note1: Antenna Gain: Ant1: 5.81dBi; Ant2: 5.81dBi;
Note2: E.I.R.P = Measured Power + Antenna Gain

3.1.11 Power

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11ax (HEW40)	MIMO	6525	RU484	Left	3.17	4.68	7.00	/	Pass
	802.11ax (HEW80)	MIMO	6545	RU996	Left	5.21	6.98	9.19	/	Pass
	802.11ax (HEW160)	MIMO	6505	2xRU996	Left	8.70	9.99	12.40	/	Pass

Note1: Antenna Gain: Ant1: 5.81dBi; Ant2: 5.81dBi;



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300112106

Page: 240 of 615

3.1.12 EIRP

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11ax (HEW40)	MIMO	6525	RU484	Left	8.98	10.49	12.81	<=24	Pass
	802.11ax (HEW80)	MIMO	6545	RU996	Left	11.02	12.79	15.00	<=24	Pass
	802.11ax (HEW160)	MIMO	6505	2xRU996	Left	14.51	15.80	18.21	<=24	Pass
Note1: Antenna Gain: Ant1: 5.81dBi; Ant2: 5.81dBi; Note2: E.I.R.P = Measured Power + Antenna Gain										



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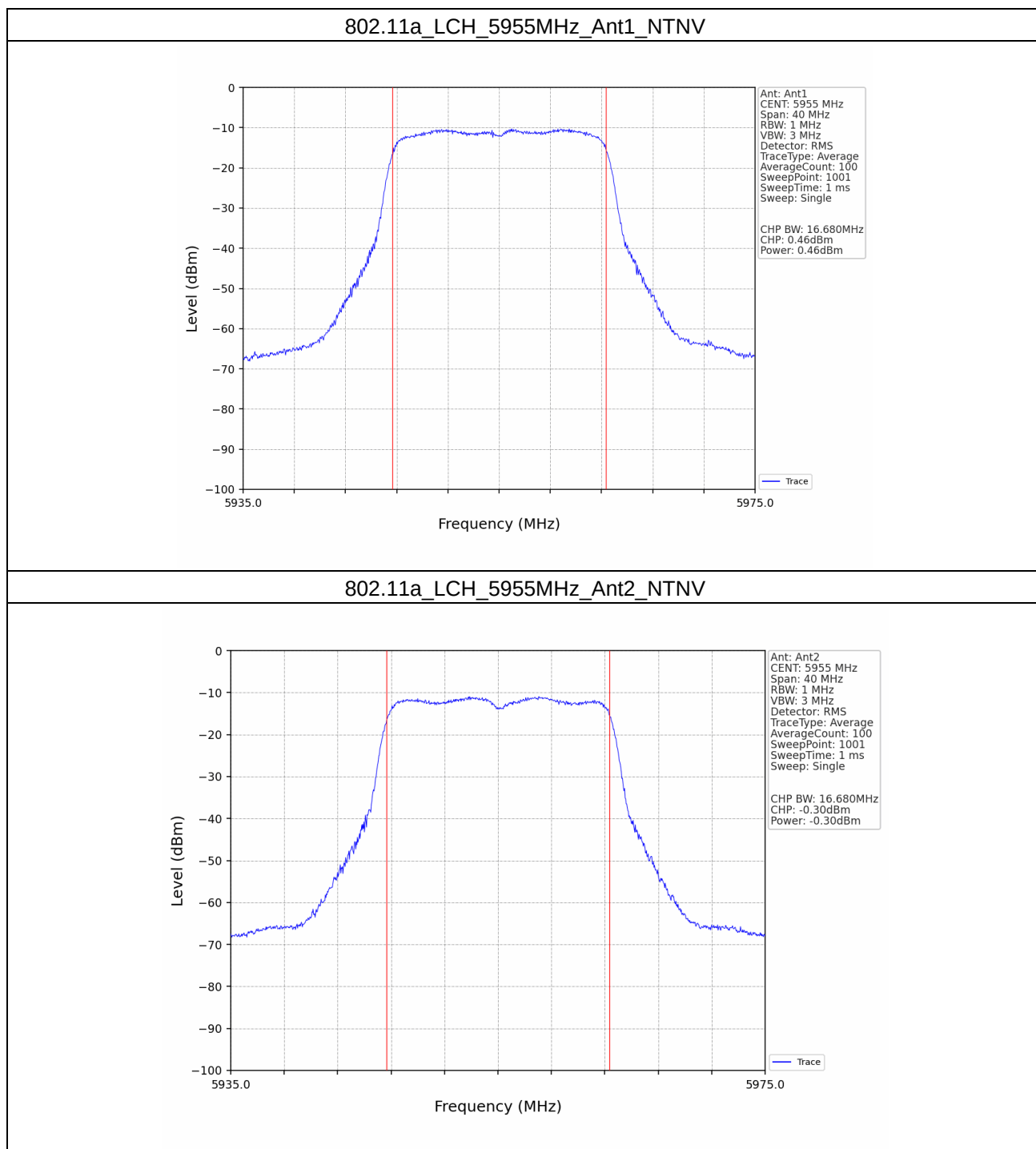
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3.2 Test Graph

3.2.1 Power



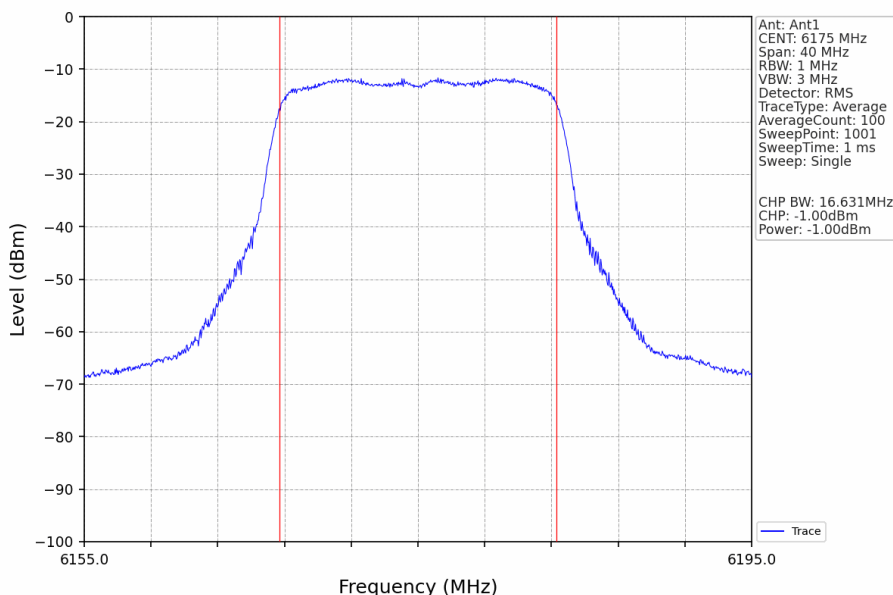
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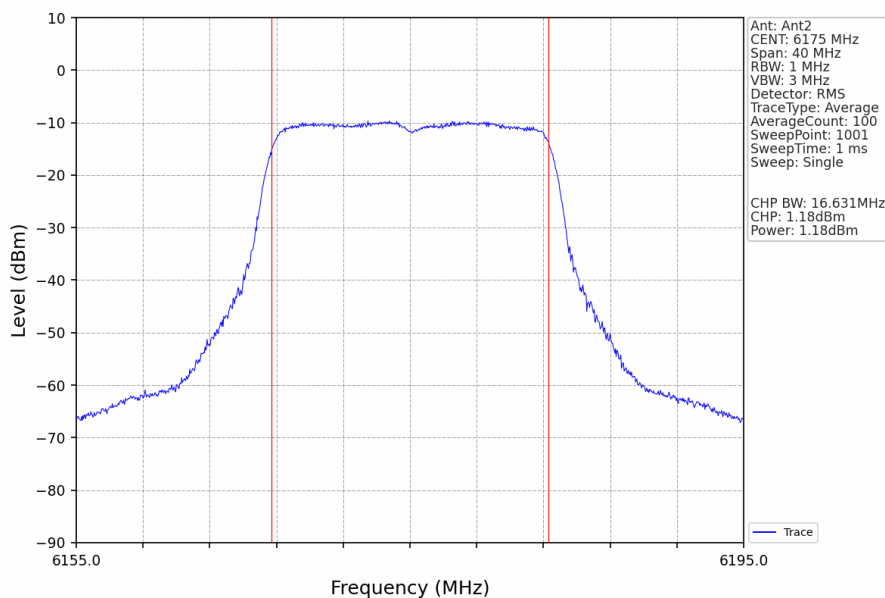
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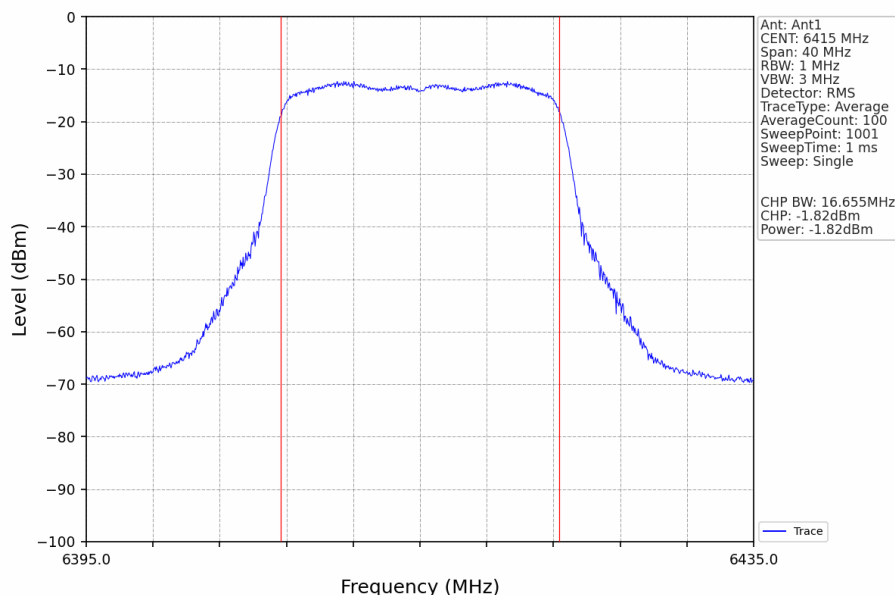
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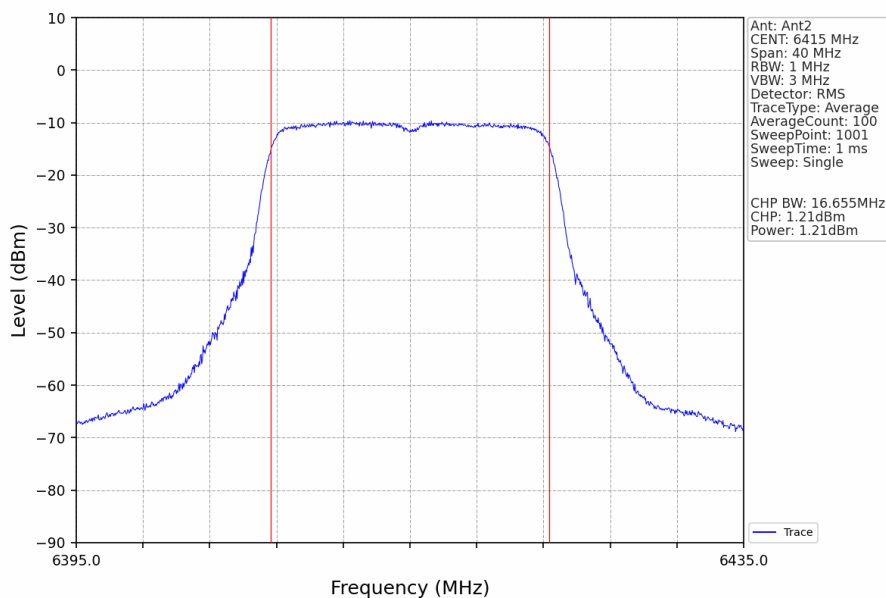
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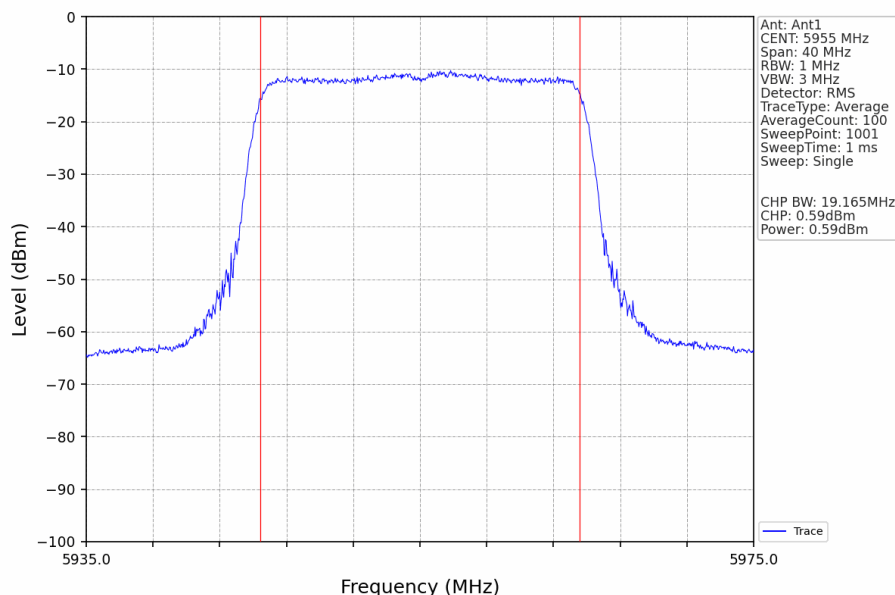
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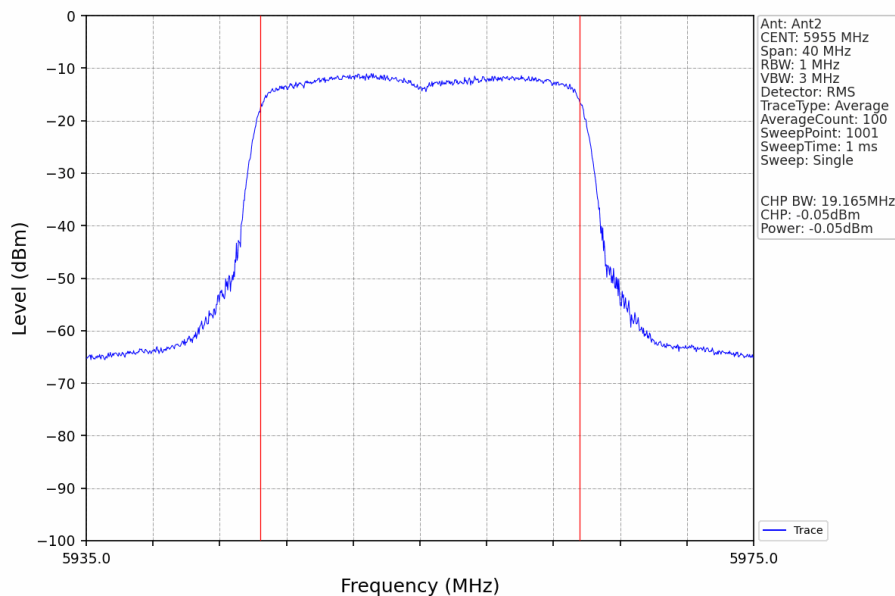
802.11a_HCH_6415MHz_Ant2_NTNV



802.11ax(HEW20)_LCH_5955MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW20)_LCH_5955MHz_RU242_Left_Ant2_NTNV



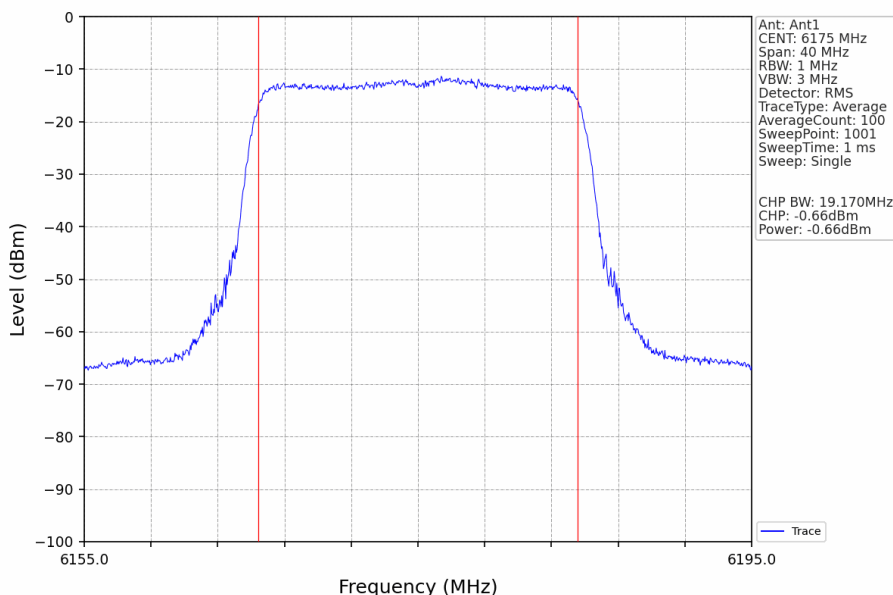
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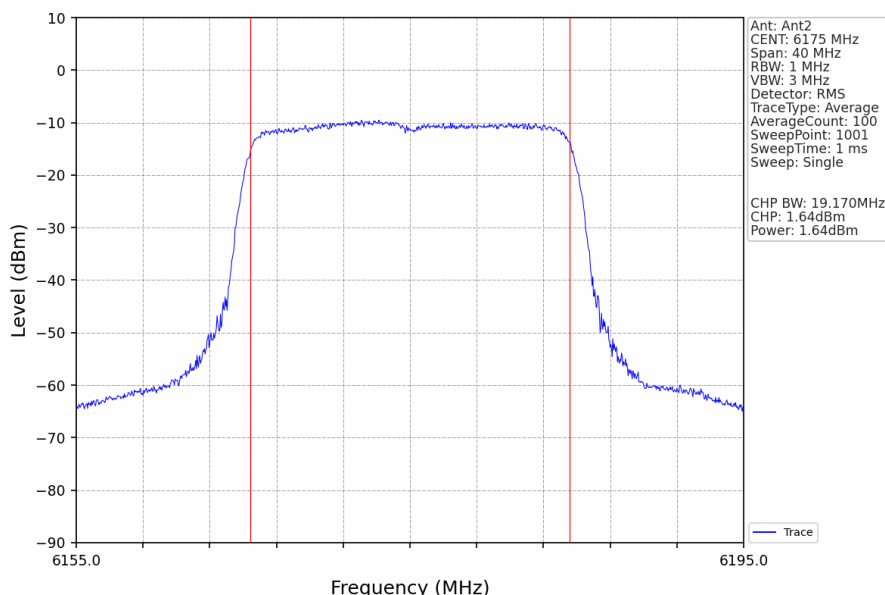
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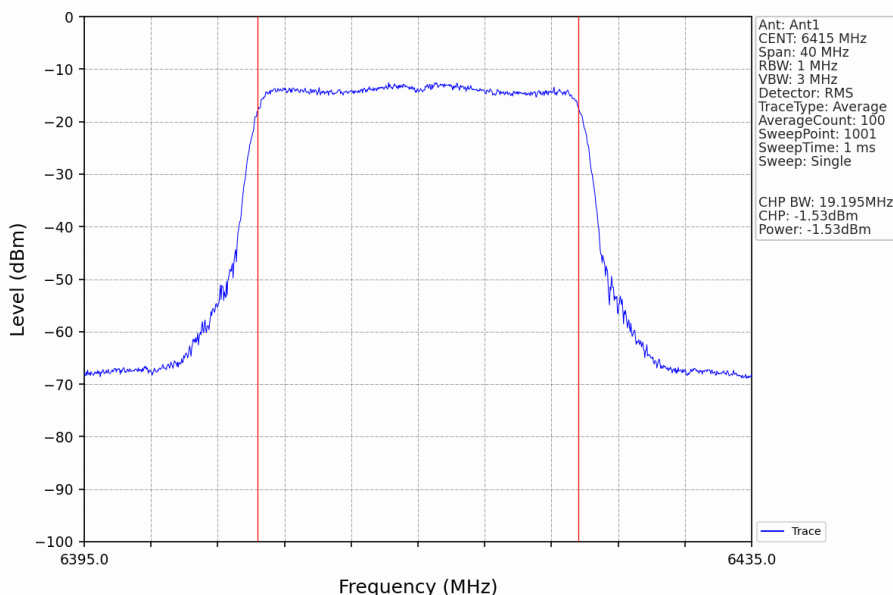
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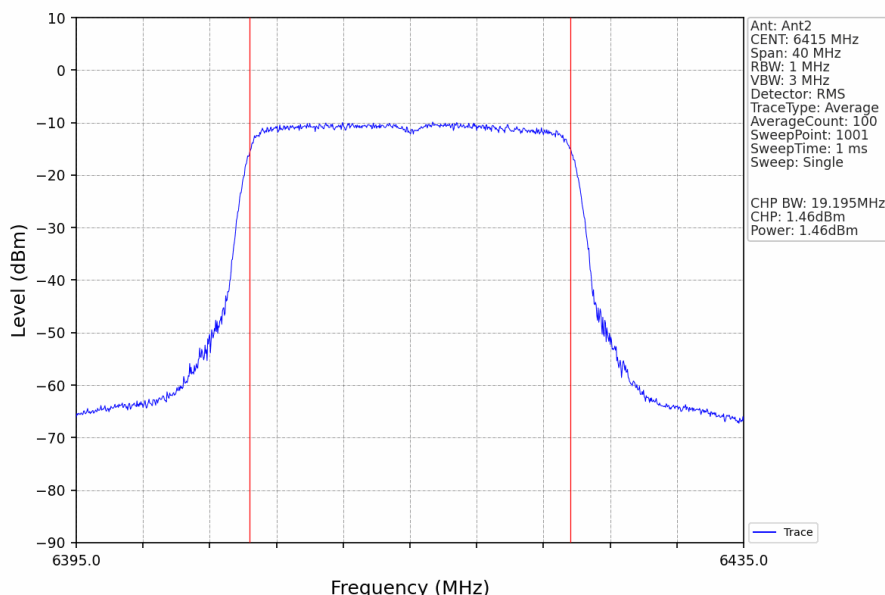
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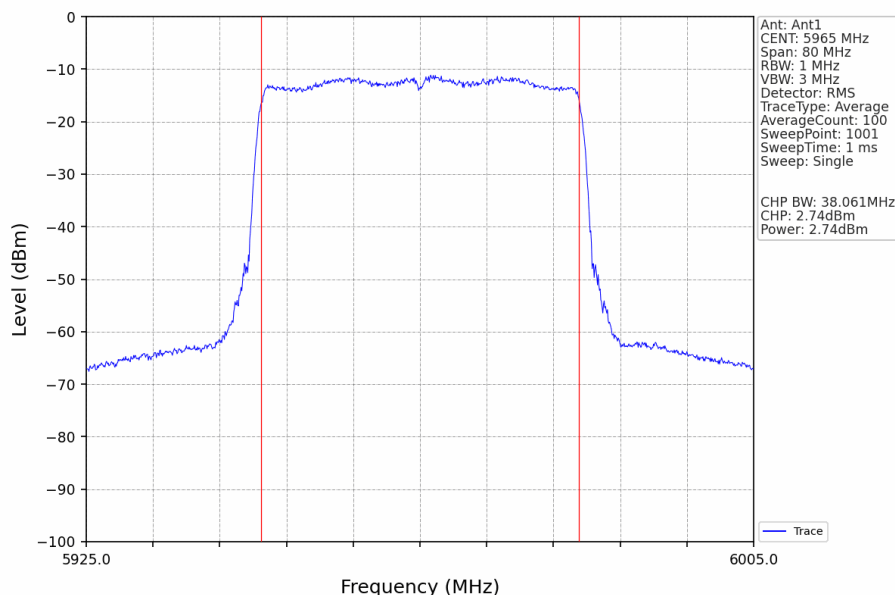
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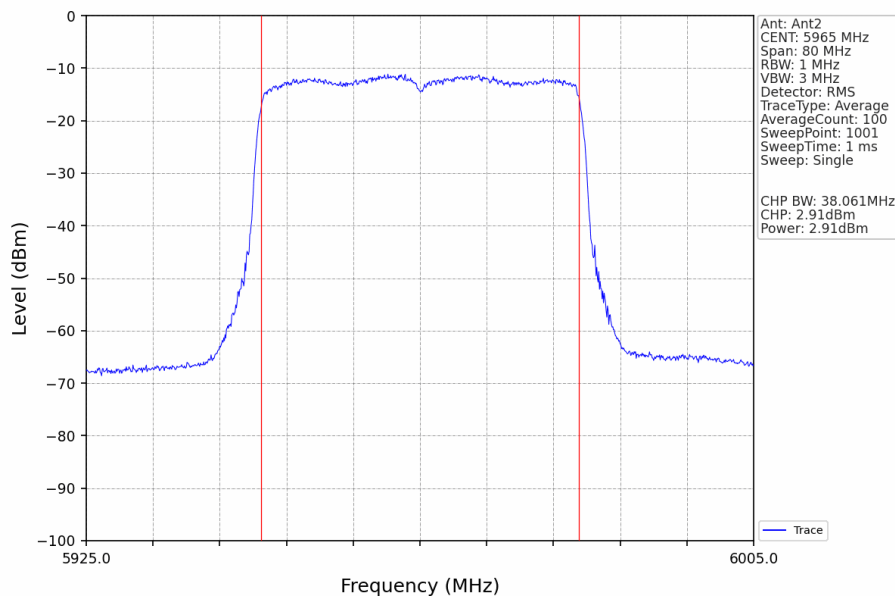
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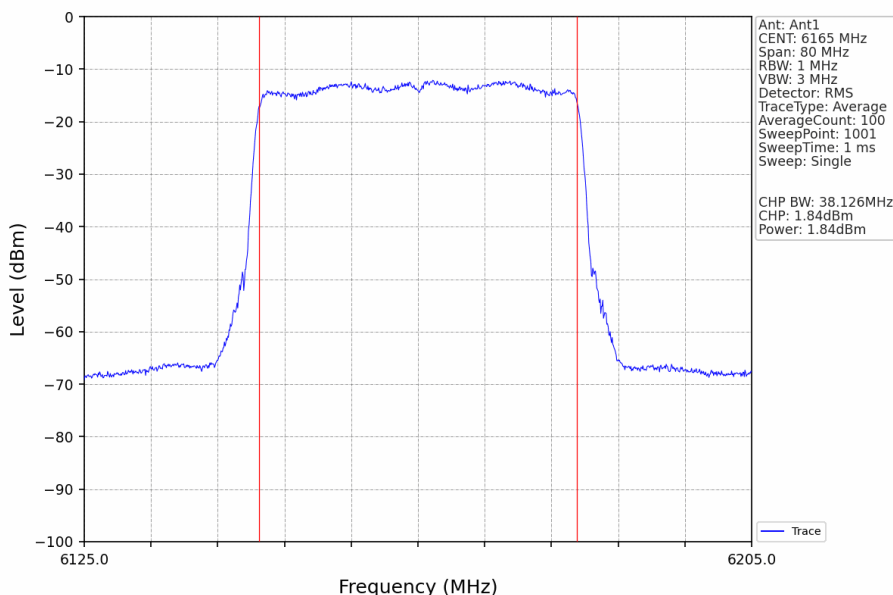
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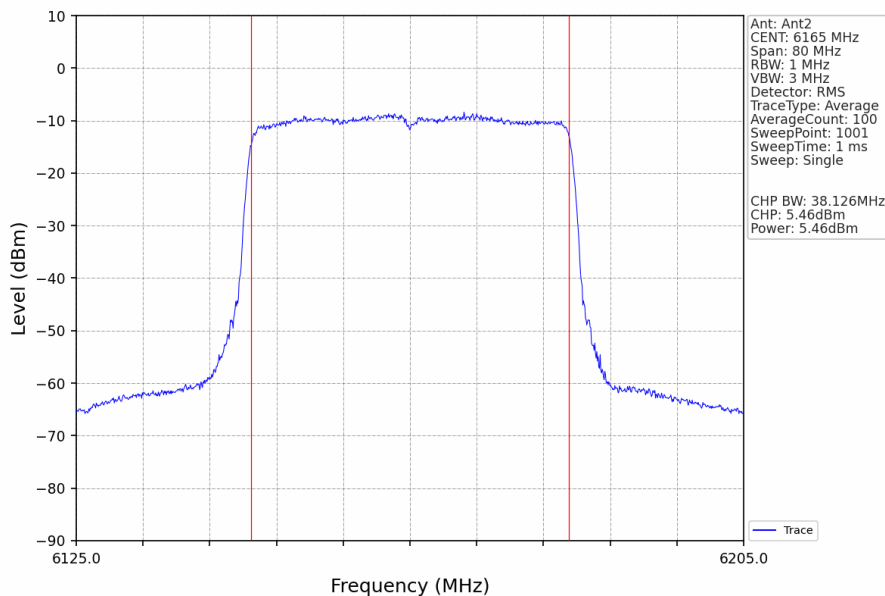
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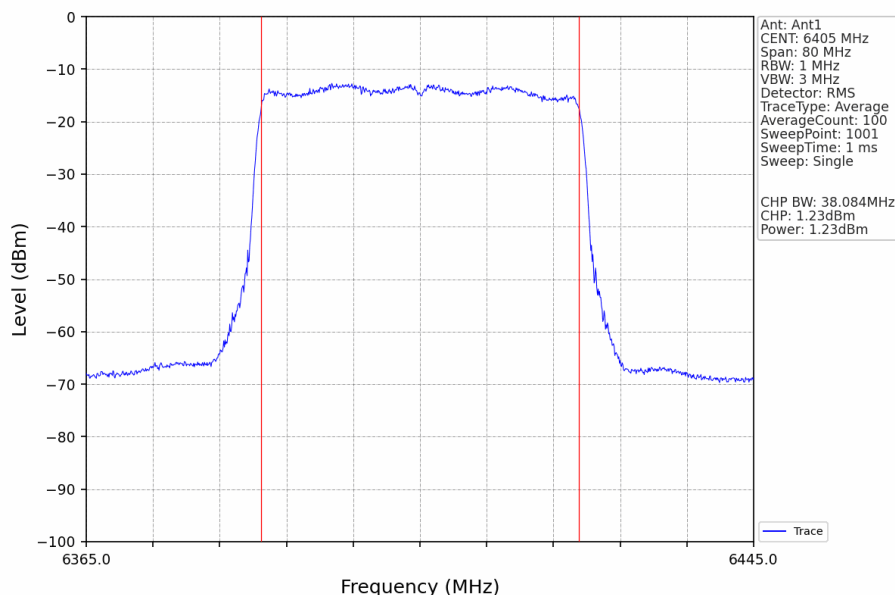
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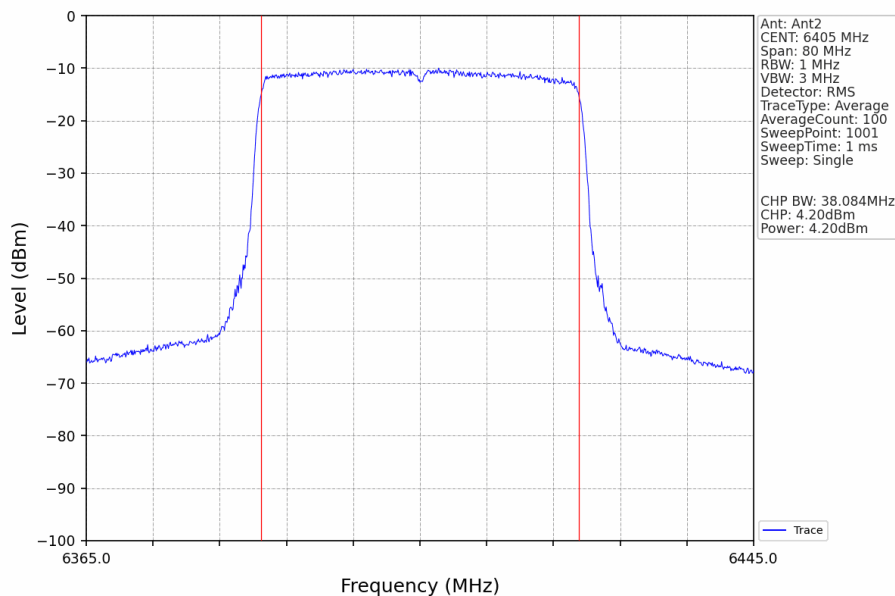
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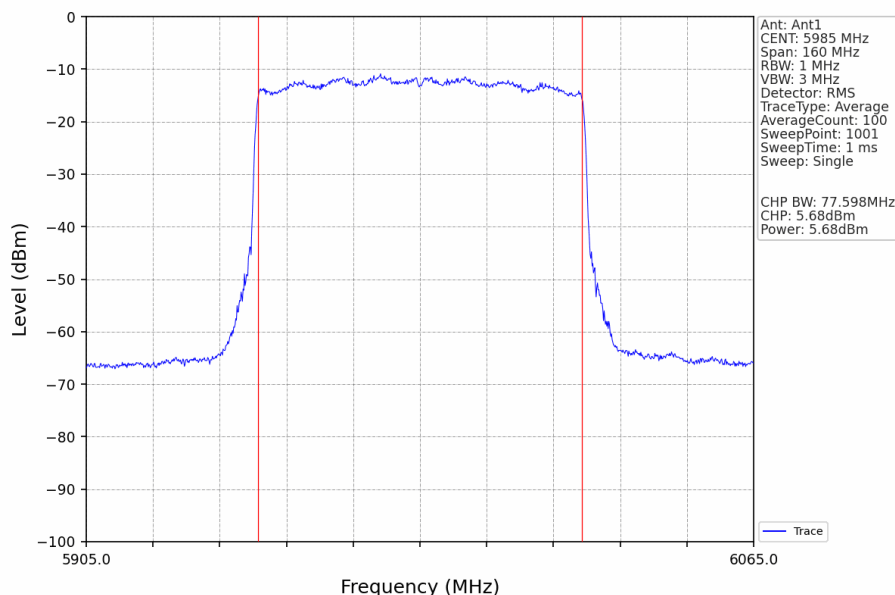
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