3.7 Power

3.7.1 Test Result

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)			Verdict
						ANT1	ANT2	MIMO	
NTNV	802.11ax (HEW20)	SISO	6895	RU242	Left	6.62	6.15	/	Pass
			6995	RU242	Left	5.77	4.08	/	Pass
			7115	RU242	Left	4.80	4.69	/	Pass
	802.11ax (HEW40)	SISO	6925	RU484	Left	9.16	9.69	/	Pass
			7005	RU484	Left	9.50	9.07	/	Pass
			7085	RU484	Left	9.53	8.84	/	Pass
	802.11ax (HEW80)	SISO	6945	RU996	Left	12.63	11.75	/	Pass
			7025	RU996	Left	11.69	12.60	/	Pass
	802.11ax (HEW160)	SISO	6985	2xRU996	Left	15.68	15.30	/	Pass
	802.11ax (HEW20)	MIMO	6895	RU242	Left	3.87	2.98	6.46	Pass
			6995	RU242	Left	2.81	2.37	5.61	Pass
			7115	RU242	Left	3.05	2.71	5.89	Pass
	802.11ax (HEW40)	MIMO	6925	RU484	Left	6.73	5.63	9.23	Pass
			7005	RU484	Left	5.86	4.65	8.31	Pass
			7085	RU484	Left	5.87	4.93	8.44	Pass
	802.11ax (HEW80)	MIMO	6945	RU996	Left	9.23	7.64	11.52	Pass
			7025	RU996	Left	9.10	7.83	11.52	Pass
	802.11ax (HEW160)	MIMO	6985	2xRU996	Left	12.82	12.16	15.51	Pass
Note1: Antenna Gain: Ant1: 3.50dBi; Ant2: 3.50dBi;									

3.8 EIRP

3.8.1 Test Result

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11ax (HEW20)	SISO	6895	RU242	Left	10.12	9.65	/	<=24	Pass
			6995	RU242	Left	9.27	7.58	/	<=24	Pass
			7115	RU242	Left	8.30	8.19	/	<=24	Pass
	802.11ax (HEW40)	SISO	6925	RU484	Left	12.66	13.19	/	<=24	Pass
			7005	RU484	Left	13.00	12.57	/	<=24	Pass
			7085	RU484	Left	13.03	12.34	/	<=24	Pass
	802.11ax (HEW80)	SISO	6945	RU996	Left	16.13	15.25	/	<=24	Pass
			7025	RU996	Left	15.19	16.10	/	<=24	Pass
	802.11ax (HEW160)	SISO	6985	2xRU996	Left	19.18	18.80	/	<=24	Pass
	802.11ax (HEW20)	MIMO	6895	RU242	Left	7.37	6.48	9.96	<=24	Pass
			6995	RU242	Left	6.31	5.87	9.11	<=24	Pass
			7115	RU242	Left	6.55	6.21	9.39	<=24	Pass
	802.11ax (HEW40)	MIMO	6925	RU484	Left	10.23	9.13	12.73	<=24	Pass
			7005	RU484	Left	9.36	8.15	11.81	<=24	Pass
			7085	RU484	Left	9.37	8.43	11.94	<=24	Pass
	802.11ax (HEW80)	MIMO	6945	RU996	Left	12.73	11.14	15.02	<=24	Pass
			7025	RU996	Left	12.60	11.33	15.02	<=24	Pass
	802.11ax (HEW160)	MIMO	6985	2xRU996	Left	16.32	15.66	19.01	<=24	Pass

Note1: Antenna Gain: Ant1: 3.50dBi; Ant2: 3.50dBi;
Note2: E.I.R.P = Measured Power + Antenna Gain

3.9 Power

3.9.1 Test Result

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)			Verdict
						ANT1	ANT2	MIMO	
NTNV	802.11ax (HEW20)	SISO	6875	RU242	Left	5.14	4.48	/	Pass
	802.11ax (HEW40)	SISO	6885	RU484	Left	9.21	8.35	/	Pass
	802.11ax (HEW80)	SISO	6865	RU996	Left	11.73	12.38	/	Pass
	802.11ax (HEW160)	SISO	6825	2xRU996	Left	13.42	13.59	/	Pass
	802.11ax (HEW20)	MIMO	6875	RU242	Left	3.55	2.63	6.12	Pass
	802.11ax (HEW40)	MIMO	6885	RU484	Left	6.04	5.40	8.74	Pass
	802.11ax (HEW80)	MIMO	6865	RU996	Left	8.59	7.35	11.02	Pass
	802.11ax (HEW160)	MIMO	6825	2xRU996	Left	10.75	10.60	13.69	Pass
Note1: Antenna Gain: Ant1: 3.50dBi; Ant2: 3.50dBi;									

3.10 EIRP

3.10.1 Test Result

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11ax (HEW20)	SISO	6875	RU242	Left	8.64	7.98	/	<=24	Pass
	802.11ax (HEW40)	SISO	6885	RU484	Left	12.71	11.85	/	<=24	Pass
	802.11ax (HEW80)	SISO	6865	RU996	Left	15.23	15.88	/	<=24	Pass
	802.11ax (HEW160)	SISO	6825	2xRU996	Left	16.92	17.09	/	<=24	Pass
	802.11ax (HEW20)	MIMO	6875	RU242	Left	7.05	6.13	9.62	<=24	Pass
	802.11ax (HEW40)	MIMO	6885	RU484	Left	9.54	8.90	12.24	<=24	Pass
	802.11ax (HEW80)	MIMO	6865	RU996	Left	12.09	10.85	14.52	<=24	Pass
	802.11ax (HEW160)	MIMO	6825	2xRU996	Left	14.25	14.10	17.19	<=24	Pass
Note1: Antenna Gain: Ant1: 3.50dBi; Ant2: 3.50dBi; Note2: E.I.R.P = Measured Power + Antenna Gain										

3.11 Power

3.11.1 Test Result

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)			Verdict
						ANT1	ANT2	MIMO	
NTNV	802.11ax (HEW40)	SISO	6525	RU484	Left	9.27	8.77	/	Pass
	802.11ax (HEW80)	SISO	6545	RU996	Left	11.79	11.61	/	Pass
	802.11ax (HEW160)	SISO	6505	2xRU996	Left	14.88	14.39	/	Pass
	802.11ax (HEW40)	MIMO	6525	RU484	Left	5.43	4.70	8.09	Pass
	802.11ax (HEW80)	MIMO	6545	RU996	Left	8.56	8.77	11.68	Pass
	802.11ax (HEW160)	MIMO	6505	2xRU996	Left	11.97	11.22	14.62	Pass
Note1: Antenna Gain: Ant1: 3.50dBi; Ant2: 3.50dBi;									

3.12 EIRP

3.12.1 Test Result

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11ax (HEW40)	SISO	6525	RU484	Left	12.77	12.27	/	<=24	Pass
	802.11ax (HEW80)	SISO	6545	RU996	Left	15.29	15.11	/	<=24	Pass
	802.11ax (HEW160)	SISO	6505	2xRU996	Left	18.38	17.89	/	<=24	Pass
	802.11ax (HEW40)	MIMO	6525	RU484	Left	8.93	8.20	11.59	<=24	Pass
	802.11ax (HEW80)	MIMO	6545	RU996	Left	12.06	12.27	15.18	<=24	Pass
	802.11ax (HEW160)	MIMO	6505	2xRU996	Left	15.47	14.72	18.12	<=24	Pass
Note1: Antenna Gain: Ant1: 3.50dBi; Ant2: 3.50dBi; Note2: E.I.R.P = Measured Power + Antenna Gain										

4. Maximum Power Spectral Density

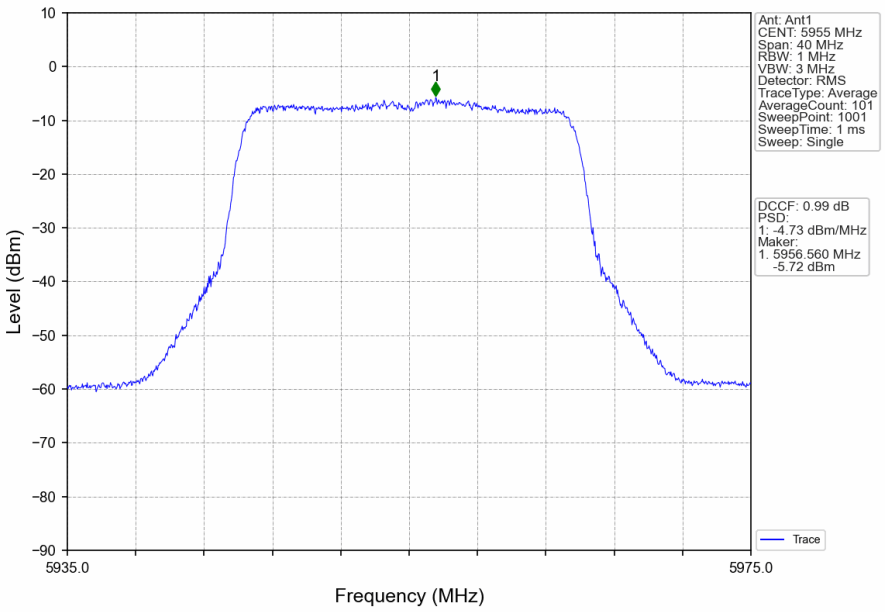
4.1 PSD

4.1.1 Test Result

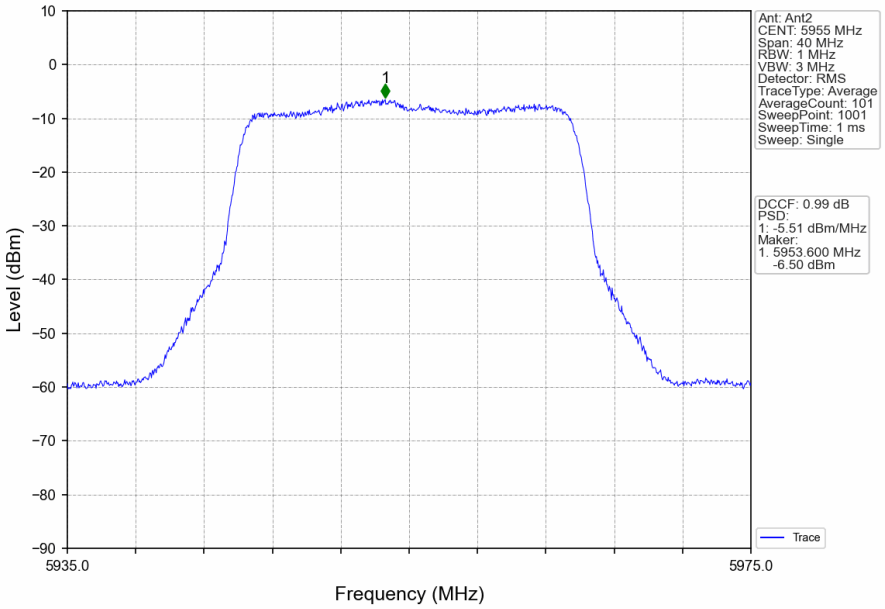
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)			Verdict
						ANT1	ANT2	MIMO	
NTNV	802.11ax (HEW20)	SISO	5955	RU242	Left	-4.73	-5.51	/	Pass
			6175	RU242	Left	-5.63	-6.18	/	Pass
			6415	RU242	Left	-5.59	-6.70	/	Pass
	802.11ax (HEW40)	SISO	5965	RU484	Left	-5.33	-5.13	/	Pass
			6165	RU484	Left	-5.11	-5.31	/	Pass
			6405	RU484	Left	-5.72	-6.94	/	Pass
	802.11ax (HEW80)	SISO	5985	RU996	Left	-5.31	-6.05	/	Pass
			6145	RU996	Left	-5.23	-5.20	/	Pass
			6385	RU996	Left	-4.82	-4.99	/	Pass
	802.11ax (HEW160)	SISO	6025	2xRU996	Left	-5.38	-5.25	/	Pass
			6185	2xRU996	Left	-5.92	-5.29	/	Pass
			6345	2xRU996	Left	-4.87	-4.79	/	Pass
	802.11ax (HEW20)	MIMO	5955	RU242	Left	-8.38	-9.05	-6.28	Pass
			6175	RU242	Left	-8.10	-8.66	-6.23	Pass
			6415	RU242	Left	-7.61	-8.93	-5.75	Pass
	802.11ax (HEW40)	MIMO	5965	RU484	Left	-7.95	-8.77	-5.80	Pass
			6165	RU484	Left	-8.03	-8.50	-6.37	Pass
			6405	RU484	Left	-8.44	-9.73	-6.49	Pass
	802.11ax (HEW80)	MIMO	5985	RU996	Left	-9.24	-8.54	-6.12	Pass
			6145	RU996	Left	-8.32	-8.13	-6.08	Pass
			6385	RU996	Left	-7.66	-9.22	-6.02	Pass
	802.11ax (HEW160)	MIMO	6025	2xRU996	Left	-8.39	-8.02	-5.39	Pass
			6185	2xRU996	Left	-8.41	-8.34	-6.33	Pass
			6345	2xRU996	Left	-7.55	-7.91	-5.55	Pass
Note1: Antenna Gain: Ant1: 3.50dBi; Ant2: 3.50dBi;									

4.1.2 Test Graph

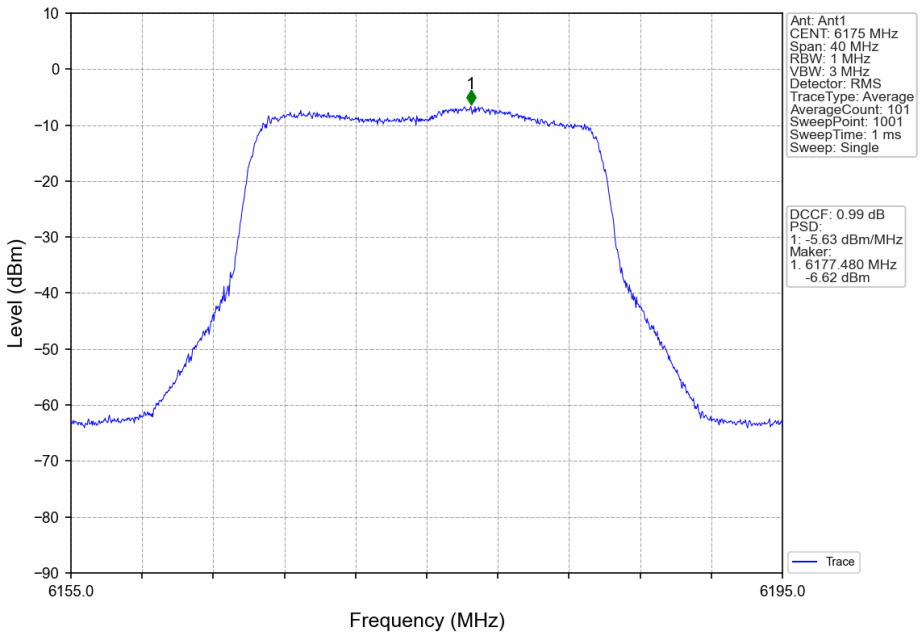
802.11ax(HEW20)_LCH_5955MHz_RU242_Left_Ant1_NTNV



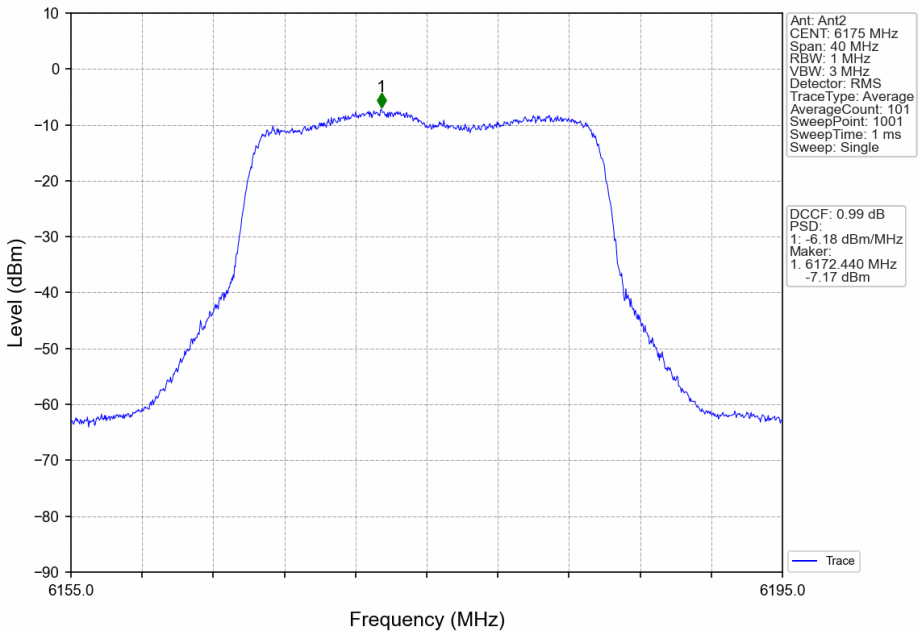
802.11ax(HEW20)_LCH_5955MHz_RU242_Left_Ant2_NTNV



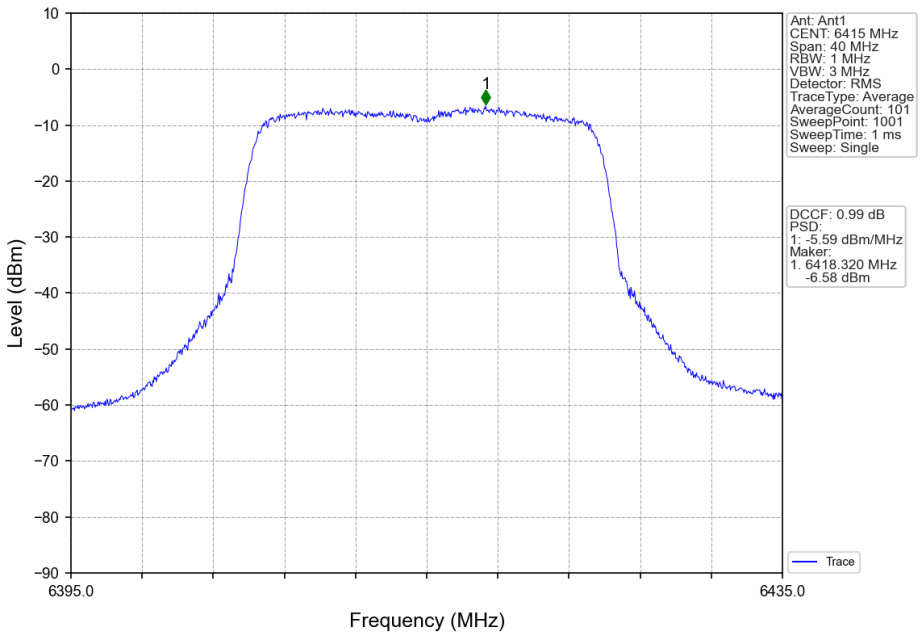
802.11ax(HEW20)_MCH_6175MHz_RU242_Left_Ant1_NTNV



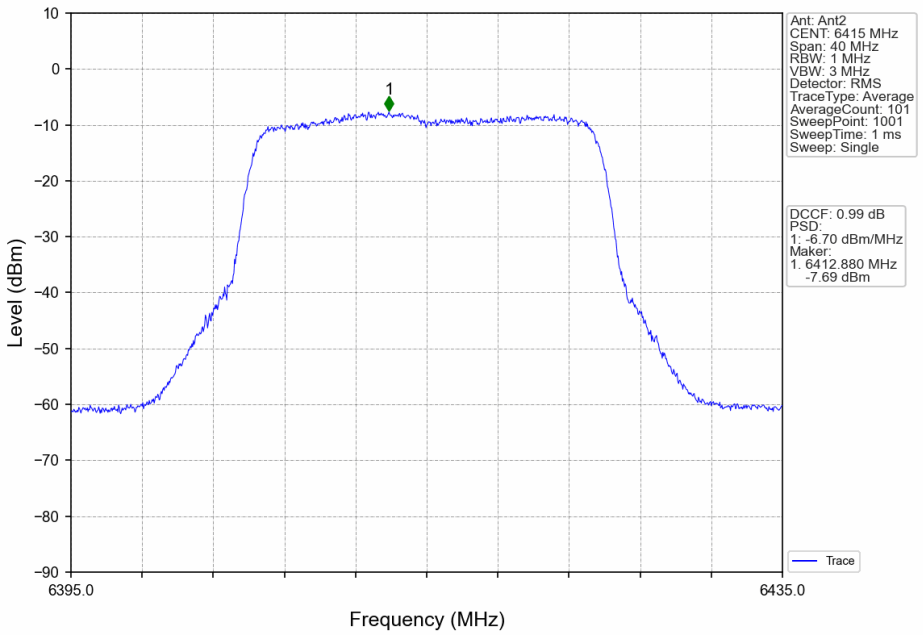
802.11ax(HEW20)_MCH_6175MHz_RU242_Left_Ant2_NTNV



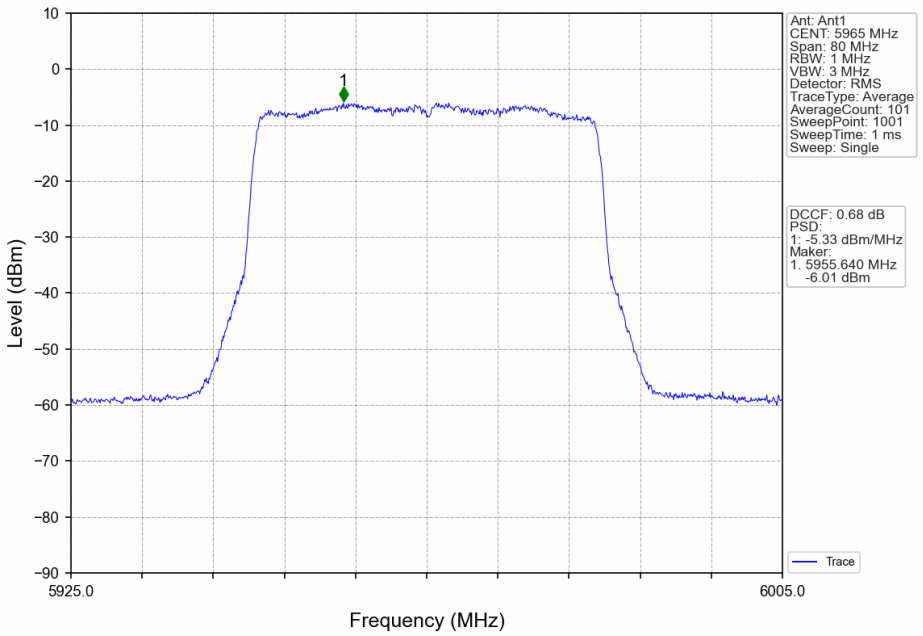
802.11ax(HEW20)_HCH_6415MHz_RU242_Left_Ant1_NTNV



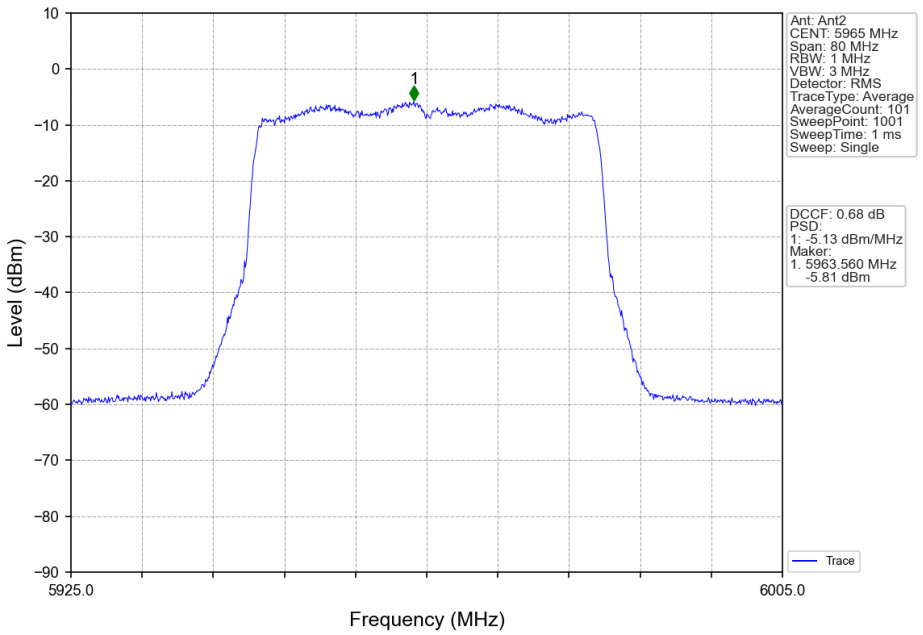
802.11ax(HEW20)_HCH_6415MHz_RU242_Left_Ant2_NTNV



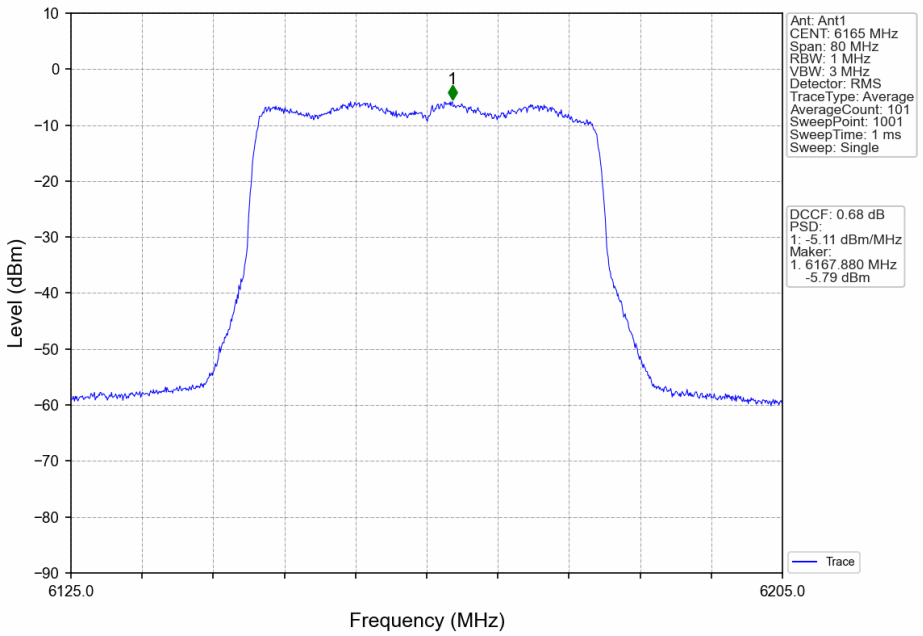
802.11ax(HEW40)_LCH_5965MHz_RU484_Left_Ant1_NTNV



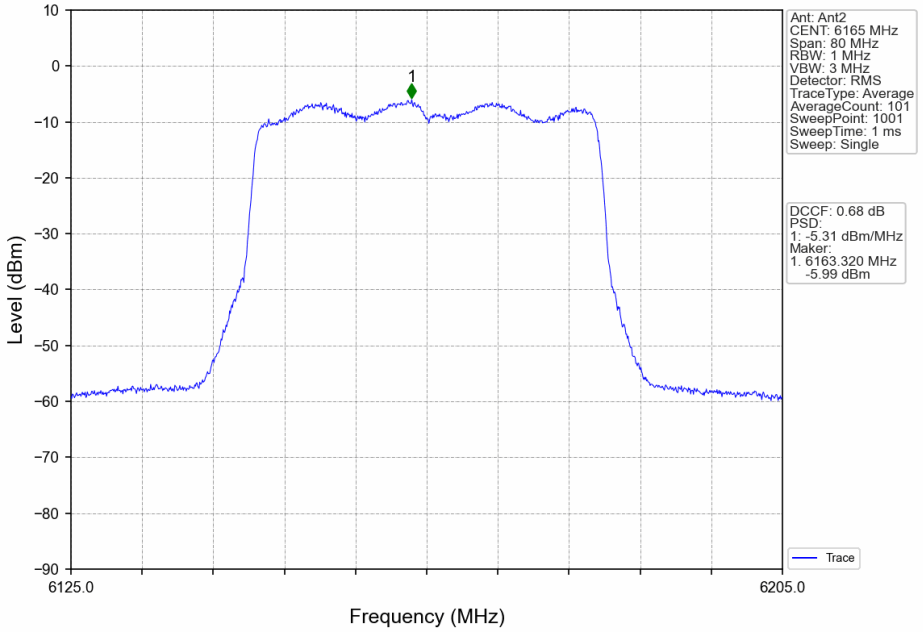
802.11ax(HEW40)_LCH_5965MHz_RU484_Left_Ant2_NTNV



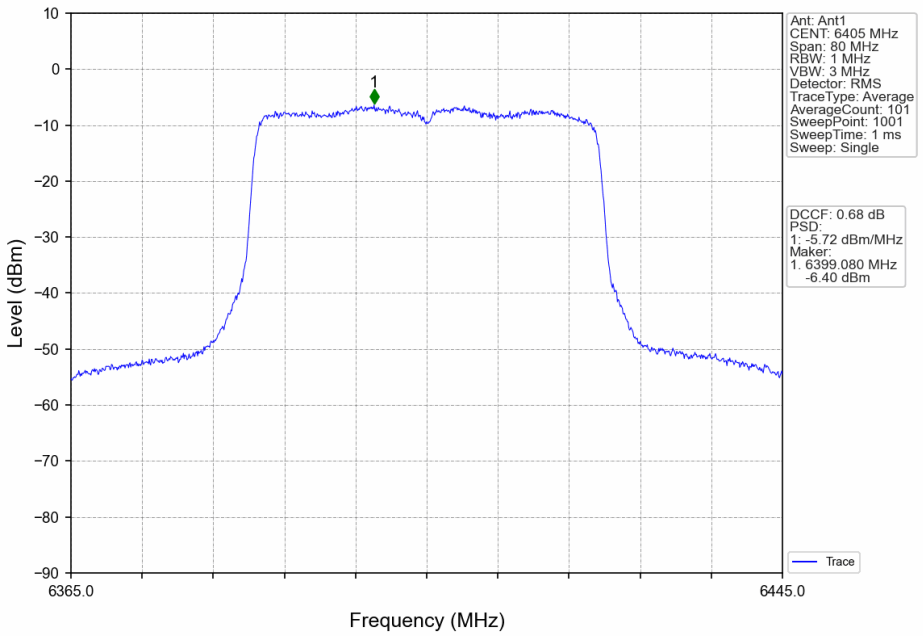
802.11ax(HEW40)_MCH_6165MHz_RU484_Left_Ant1_NTNV



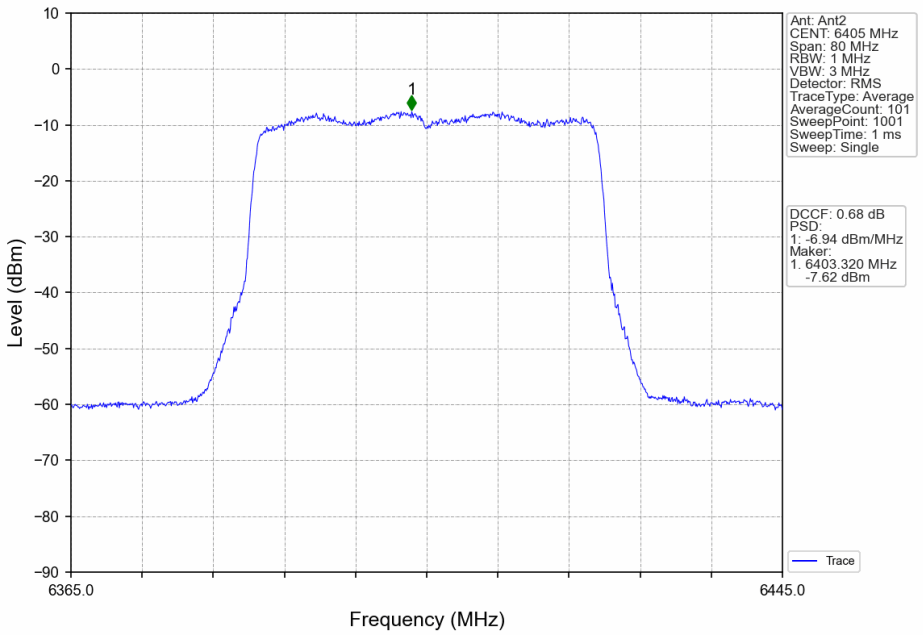
802.11ax(HEW40)_MCH_6165MHz_RU484_Left_Ant2_NTNV



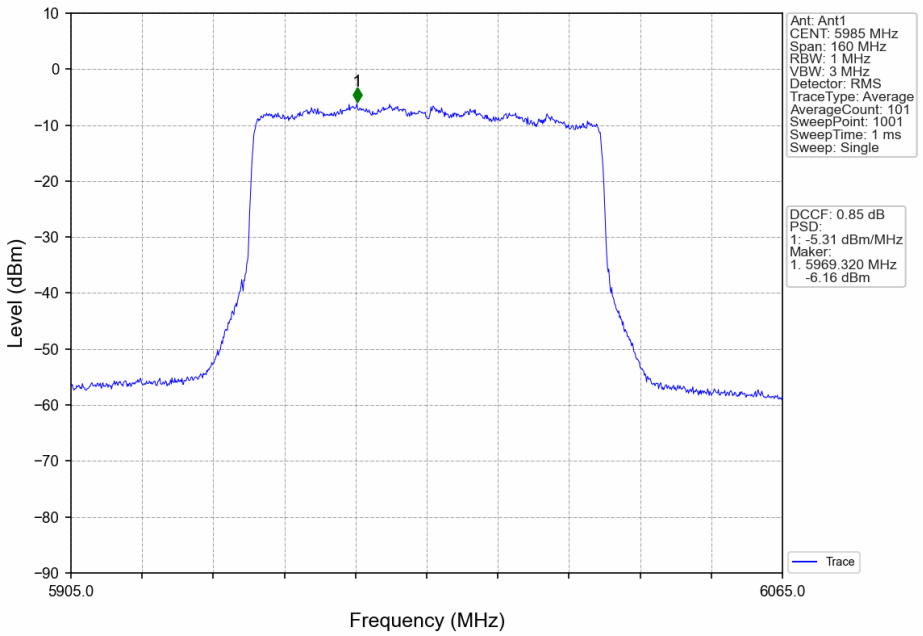
802.11ax(HEW40)_HCH_6405MHz_RU484_Left_Ant1_NTNV



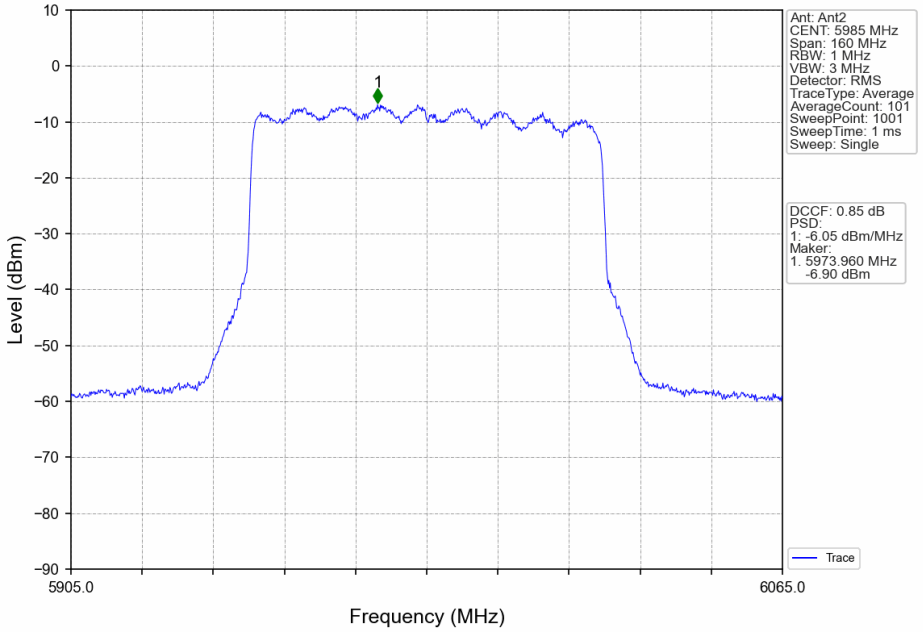
802.11ax(HEW40)_HCH_6405MHz_RU484_Left_Ant2_NTNV



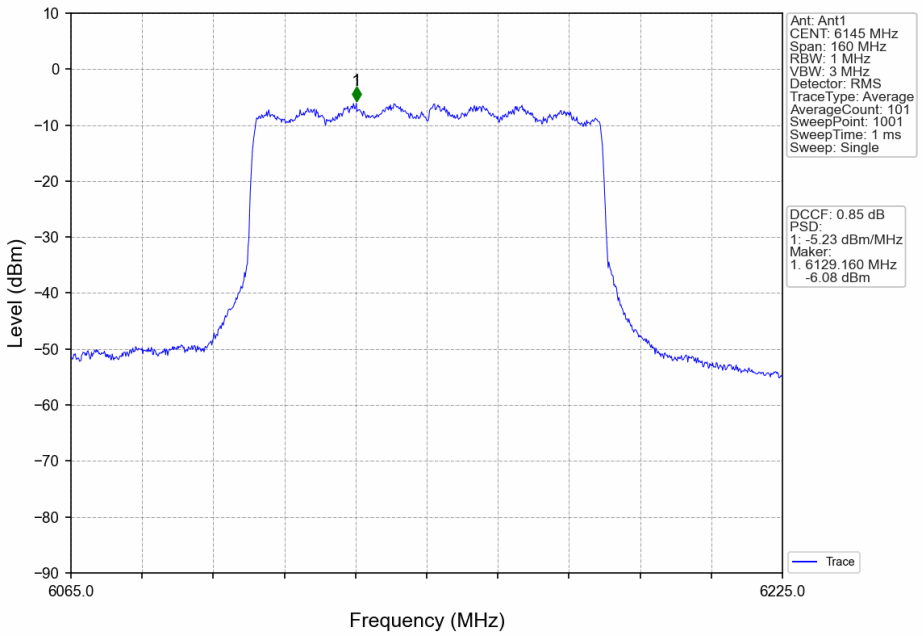
802.11ax(HEW80)_LCH_5985MHz_RU996_Left_Ant1_NTNV



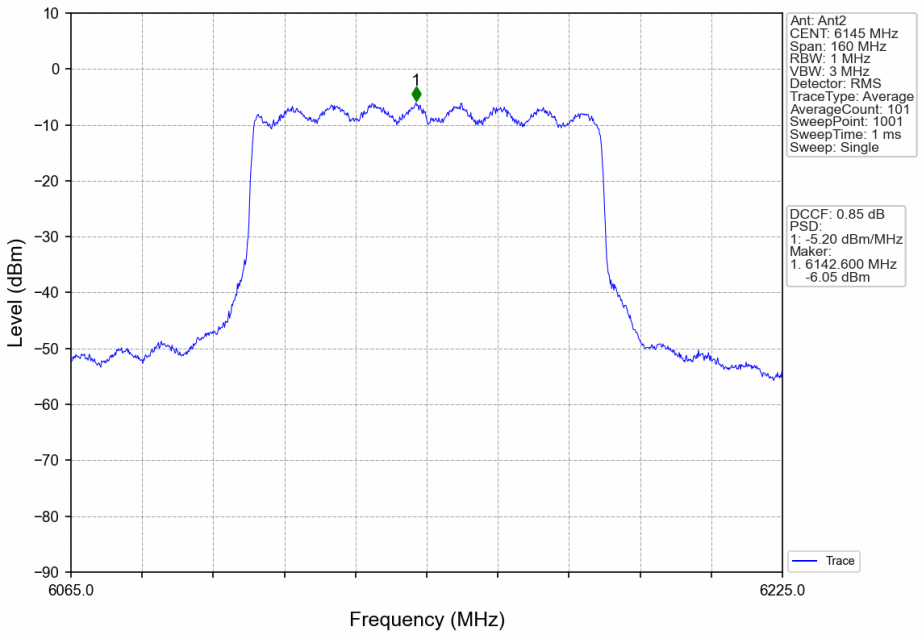
802.11ax(HEW80)_LCH_5985MHz_RU996_Left_Ant2_NTNV



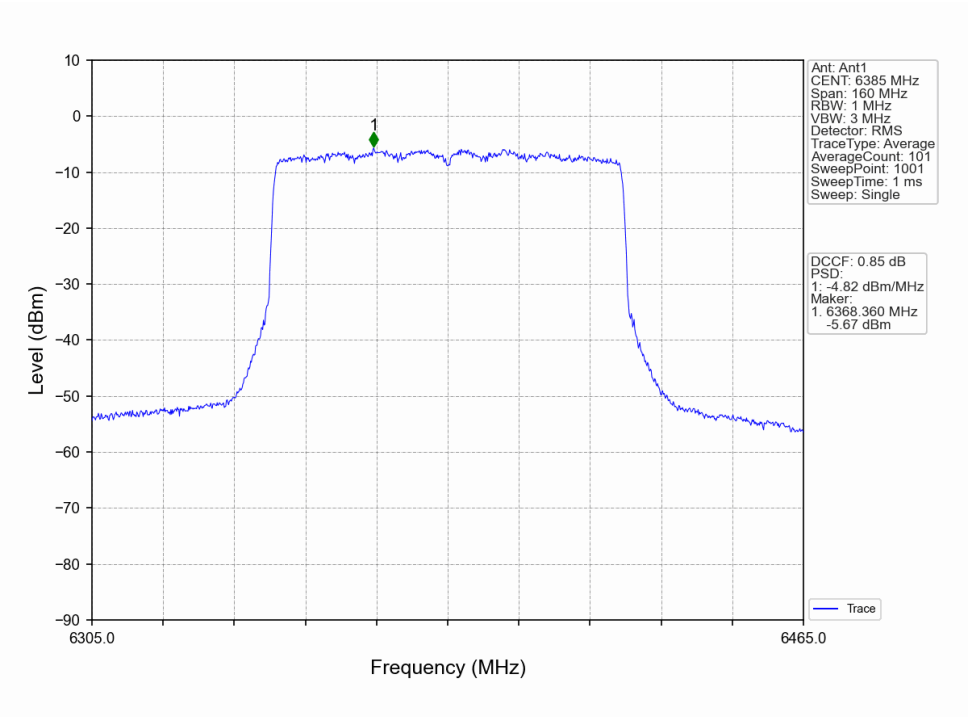
802.11ax(HEW80)_MCH_6145MHz_RU996_Left_Ant1_NTNV



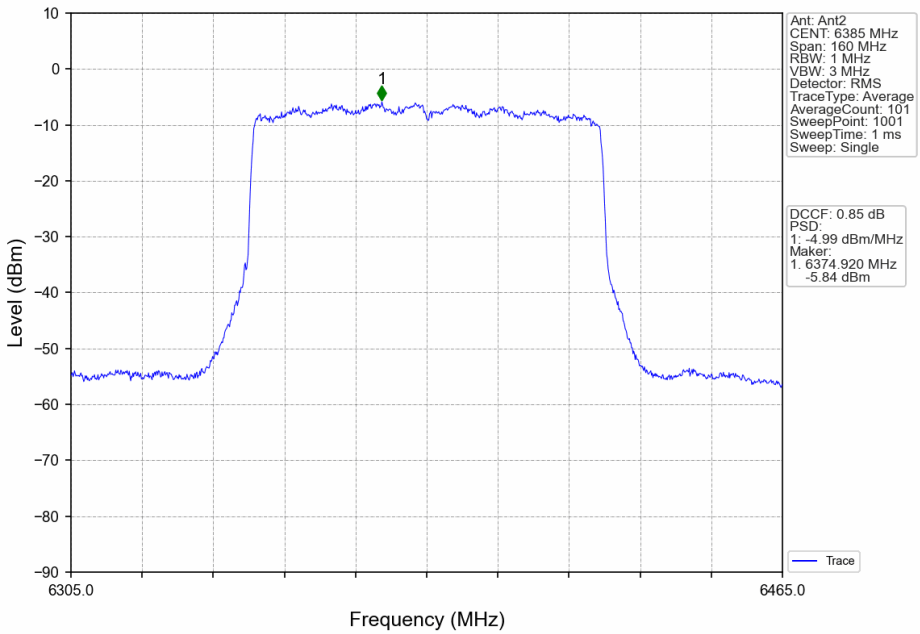
802.11ax(HEW80)_MCH_6145MHz_RU996_Left_Ant2_NTNV



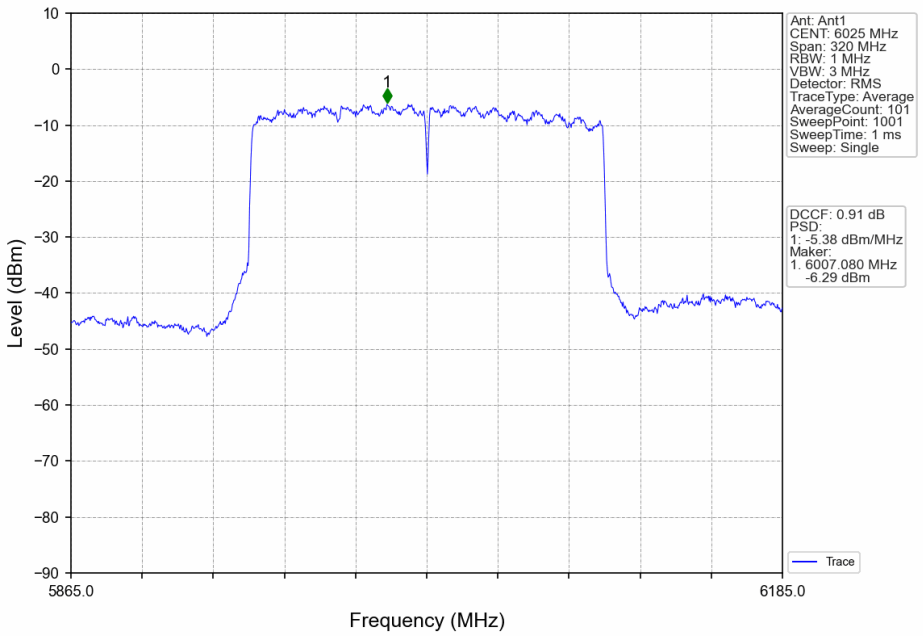
802.11ax(HEW80)_HCH_6385MHz_RU996_Left_Ant1_NTNV



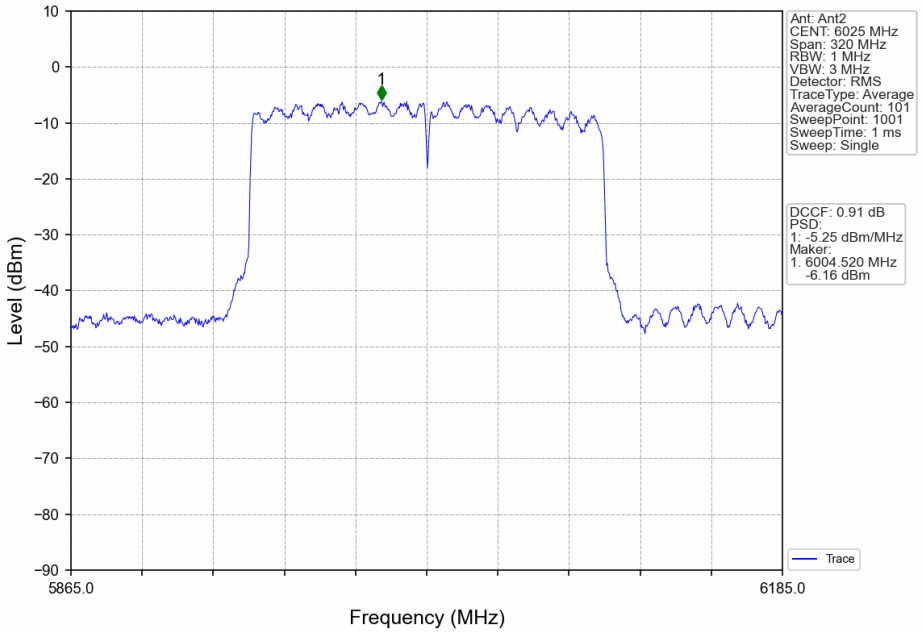
802.11ax(HEW80)_HCH_6385MHz_RU996_Left_Ant2_NTNV



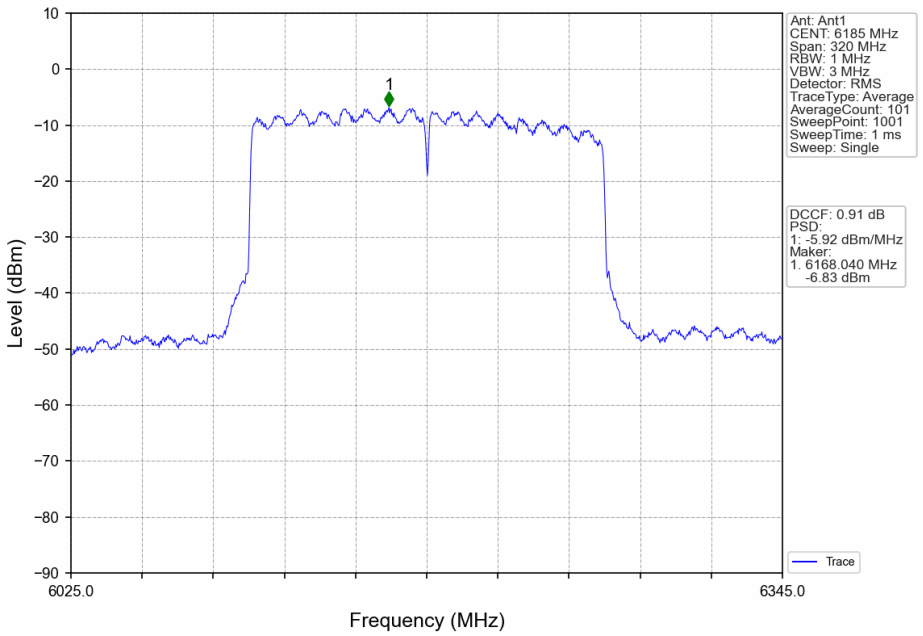
802.11ax(HEW160)_LCH_6025MHz_2xRU996_Left_Ant1_NTNV



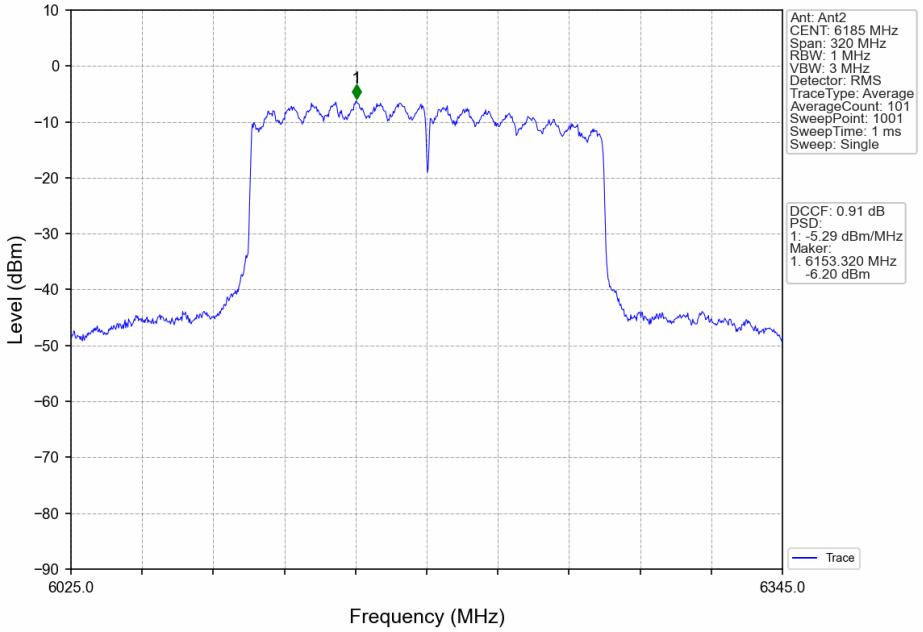
802.11ax(HEW160)_LCH_6025MHz_2xRU996_Left_Ant2_NTNV



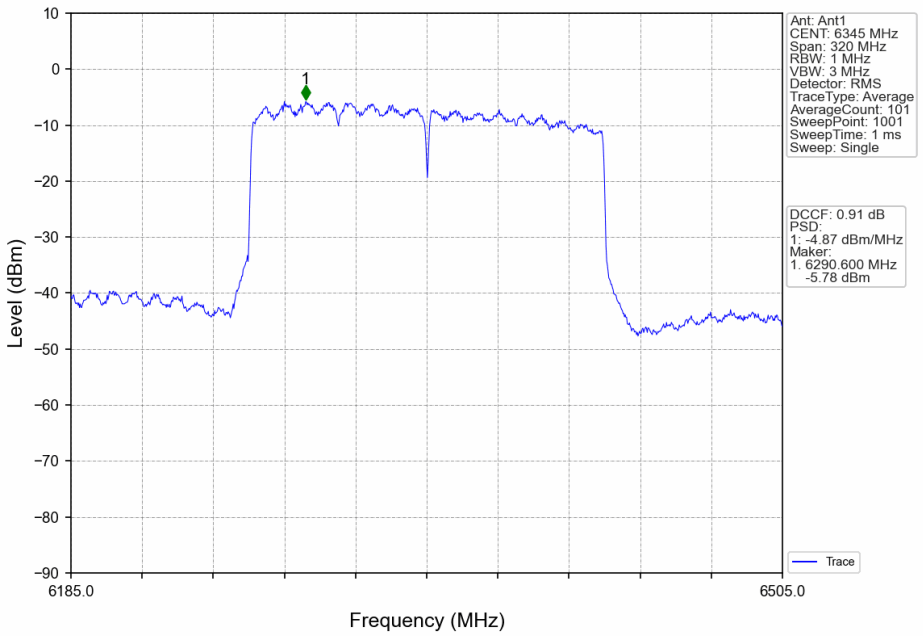
802.11ax(HEW160)_MCH_6185MHz_2xRU996_Left_Ant1_NTNV



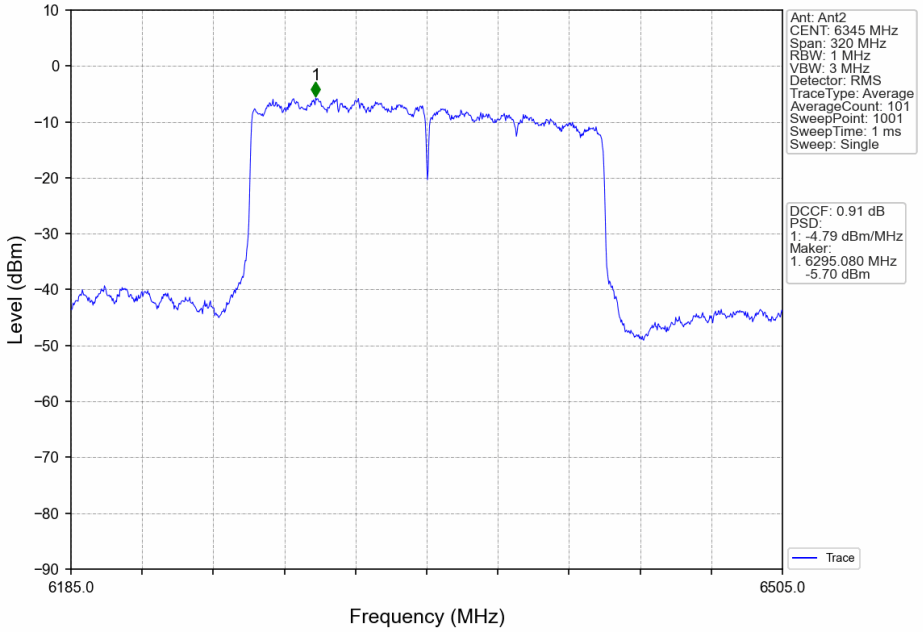
802.11ax(HEW160)_MCH_6185MHz_2xRU996_Left_Ant2_NTNV



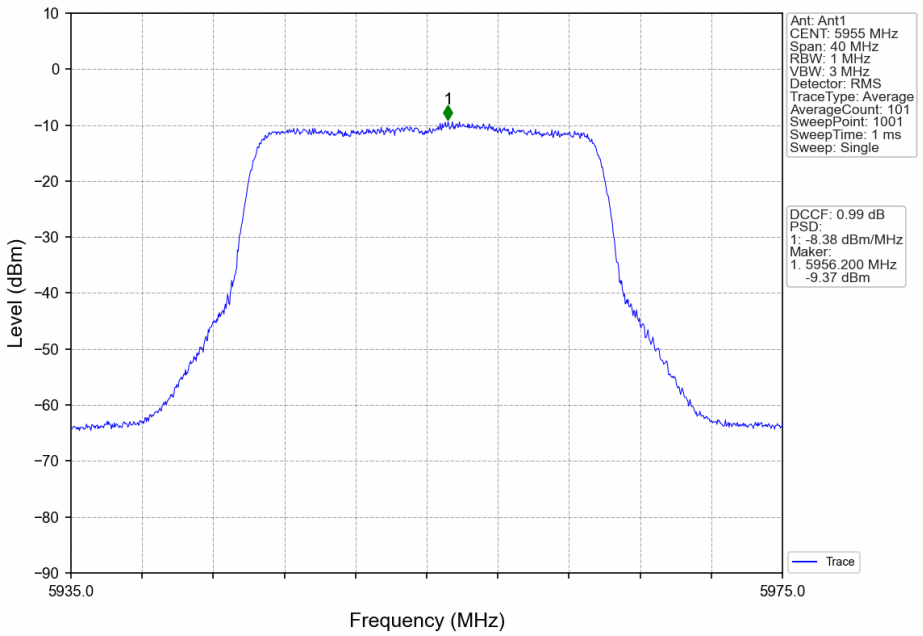
802.11ax(HEW160)_HCH_6345MHz_2xRU996_Left_Ant1_NTNV



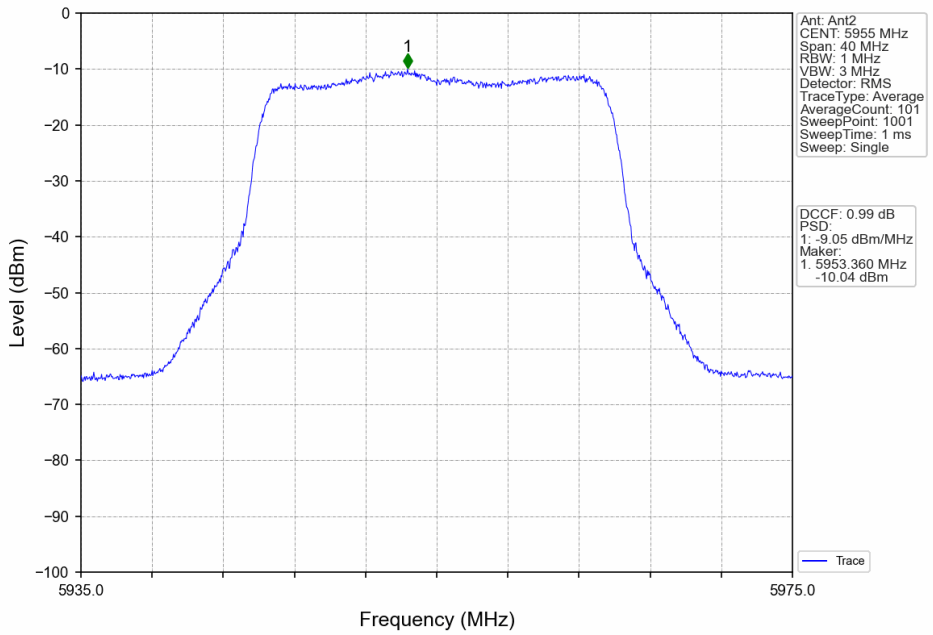
802.11ax(HEW160)_HCH_6345MHz_2xRU996_Left_Ant2_NTNV



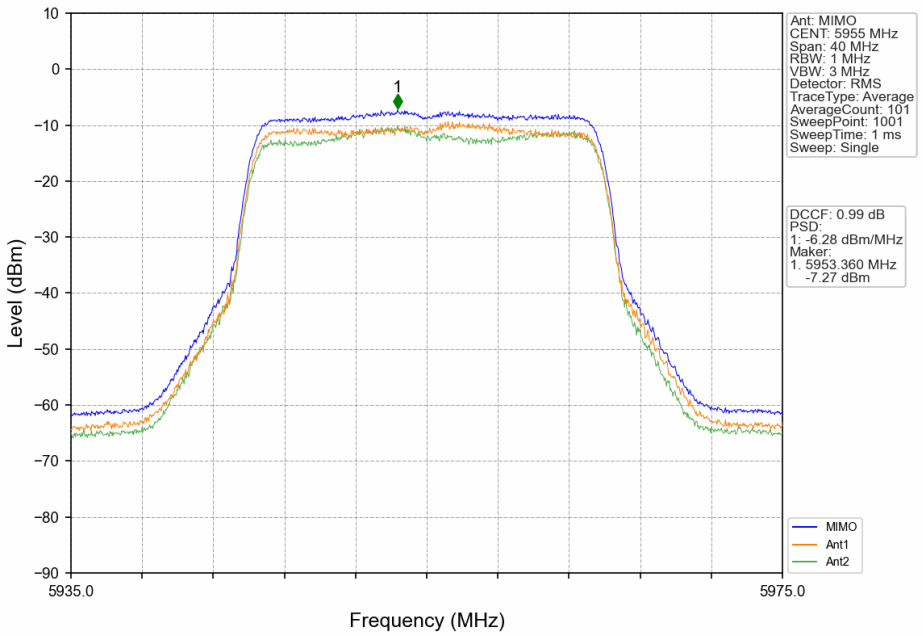
802.11ax(HEW20)_LCH_5955MHz_RU242_Left_Ant1_NTNV



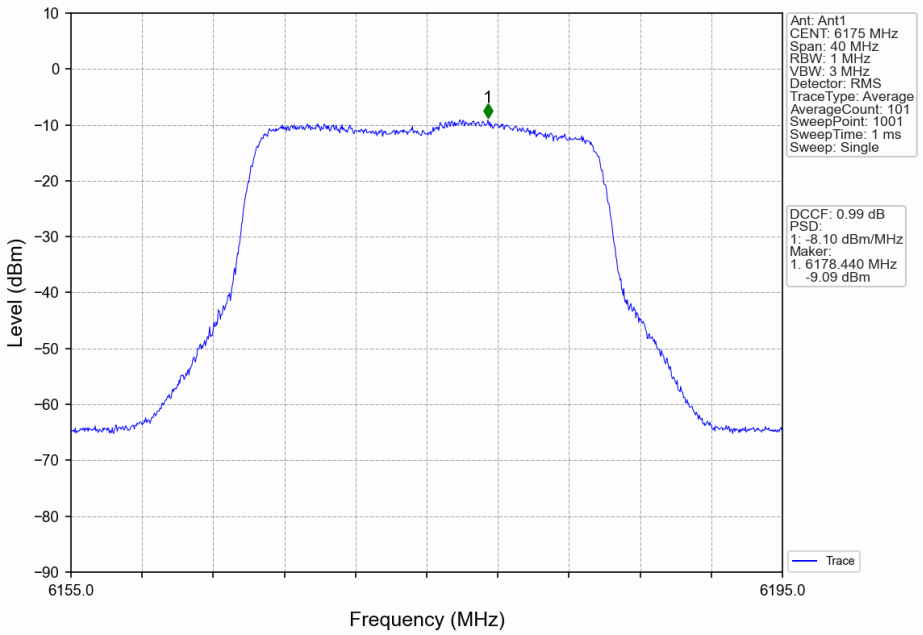
802.11ax(HEW20)_LCH_5955MHz_RU242_Left_Ant2_NTNV



802.11ax(HEW20)_LCH_5955MHz_RU242_Left_MIMO_NTNV



802.11ax(HEW20)_MCH_6175MHz_RU242_Left_Ant1_NTNV



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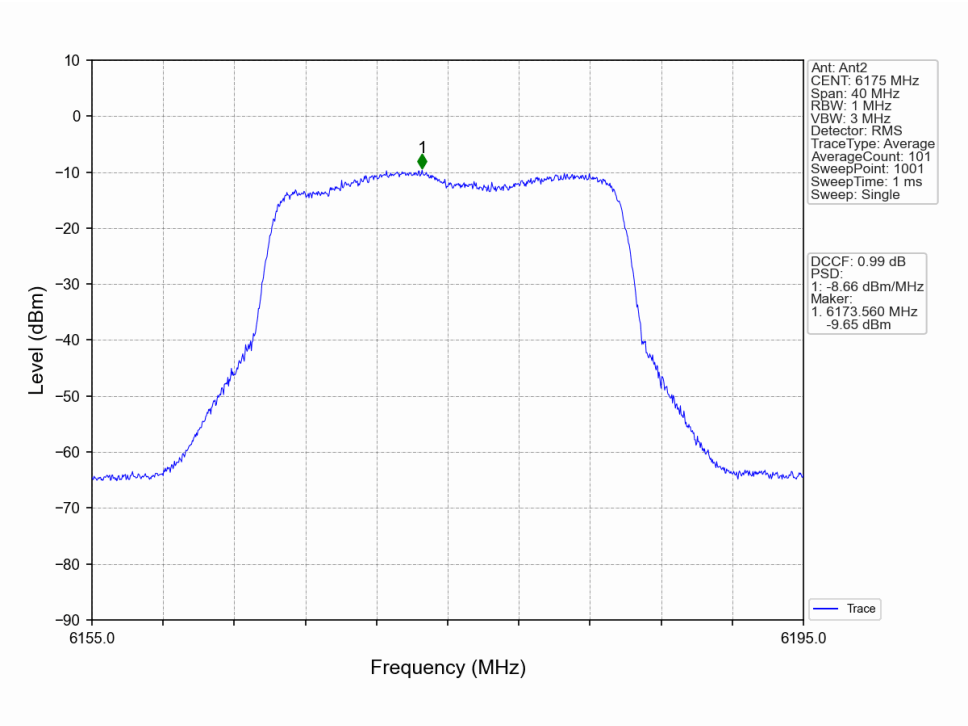

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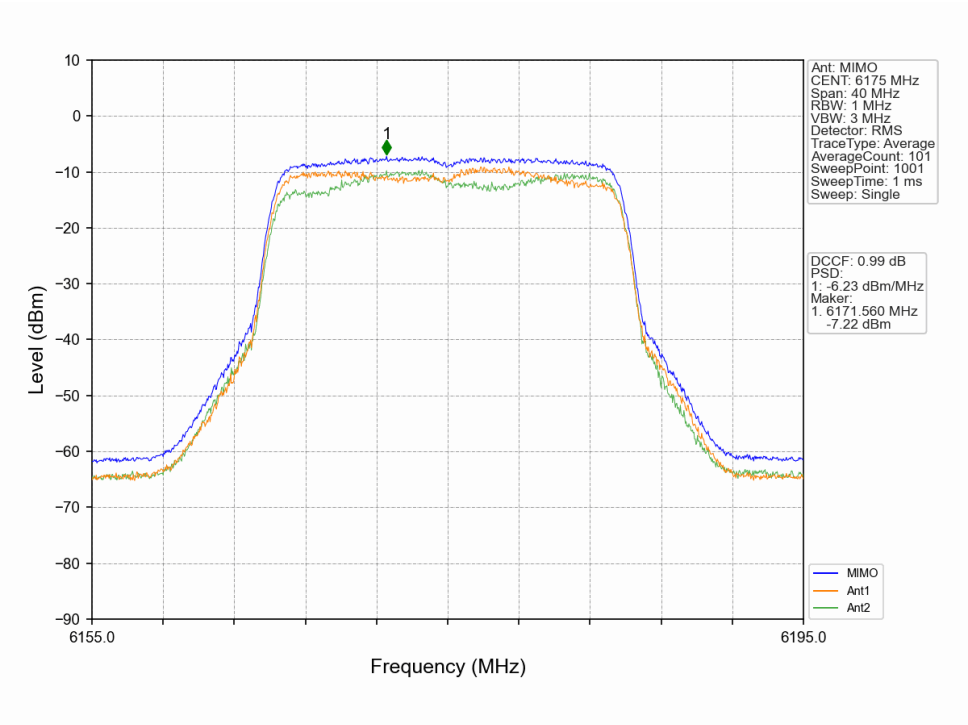
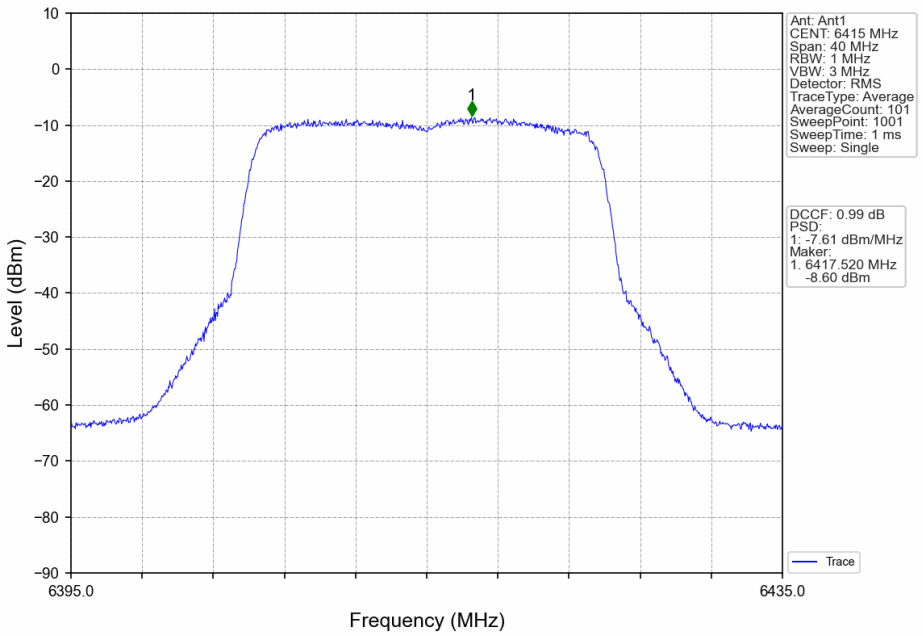
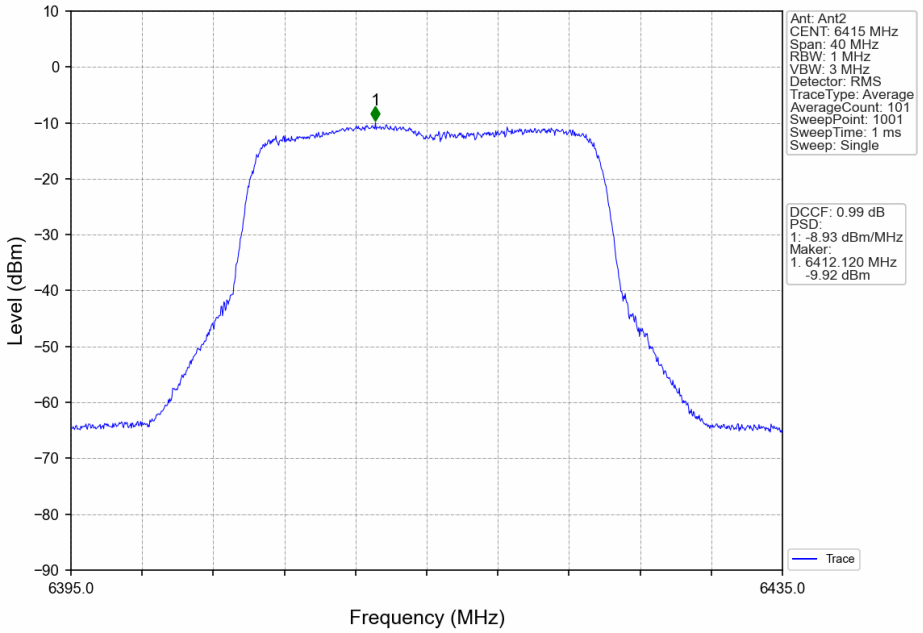


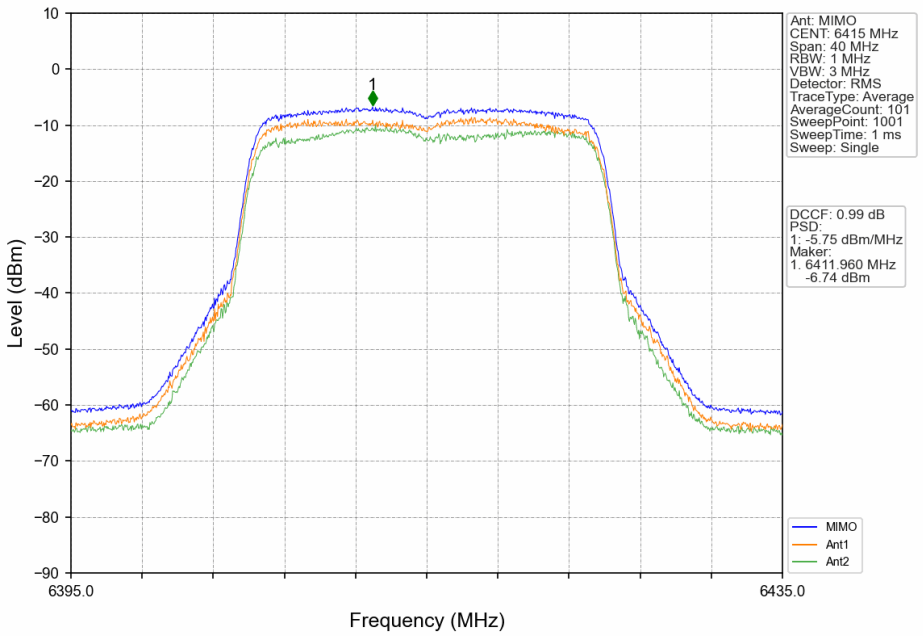
802.11ax(HEW20)_HCH_6415MHz_RU242_Left_Ant1_NTNV



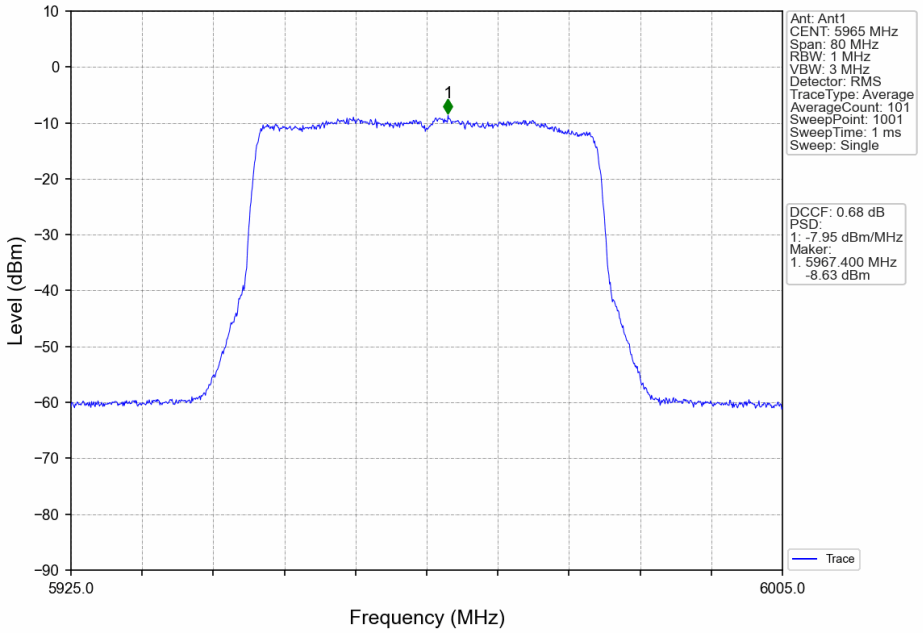
802.11ax(HEW20)_HCH_6415MHz_RU242_Left_Ant2_NTNV



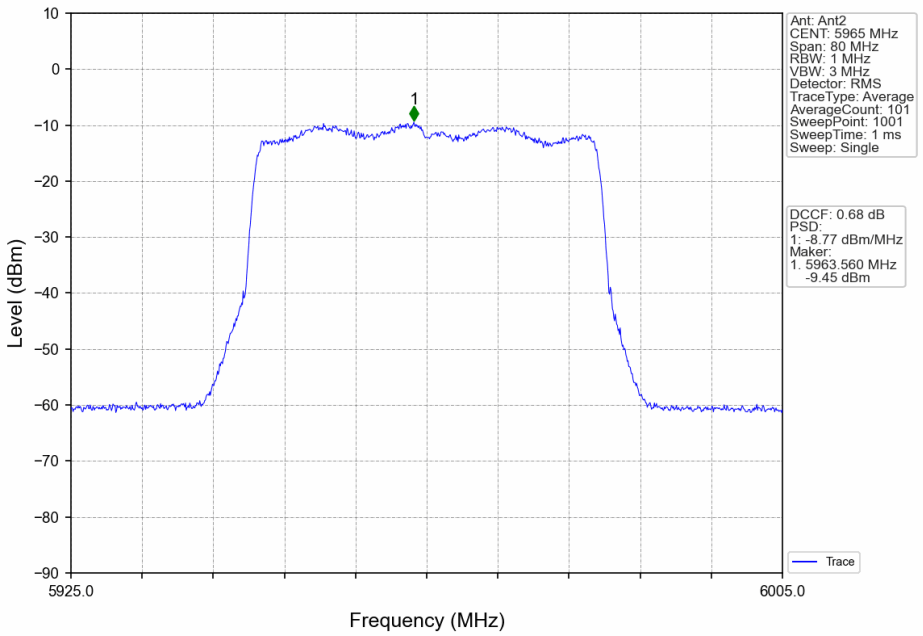
802.11ax(HEW20)_HCH_6415MHz_RU242_Left_MIMO_NTNV



802.11ax(HEW40)_LCH_5965MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_LCH_5965MHz_RU484_Left_Ant2_NTNV



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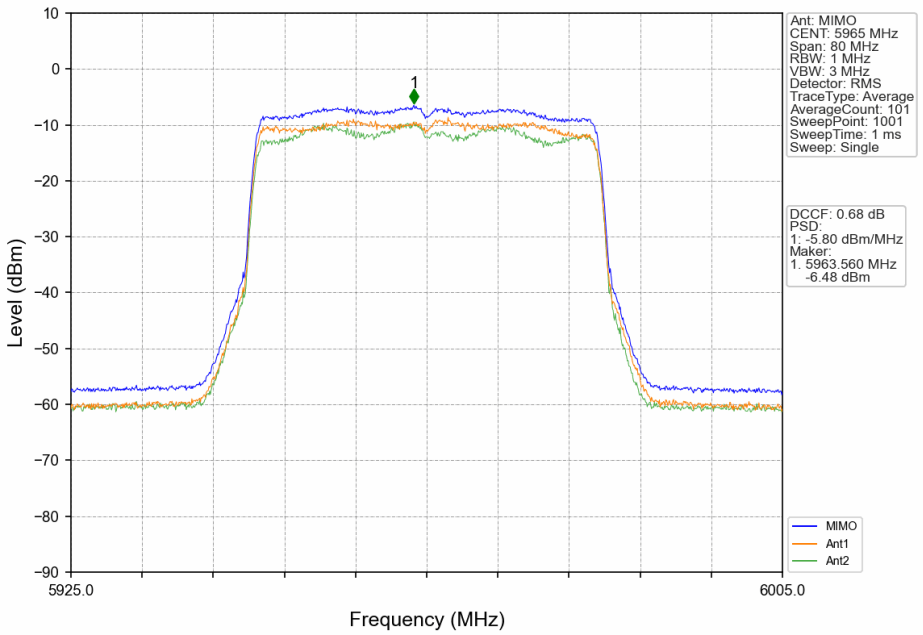
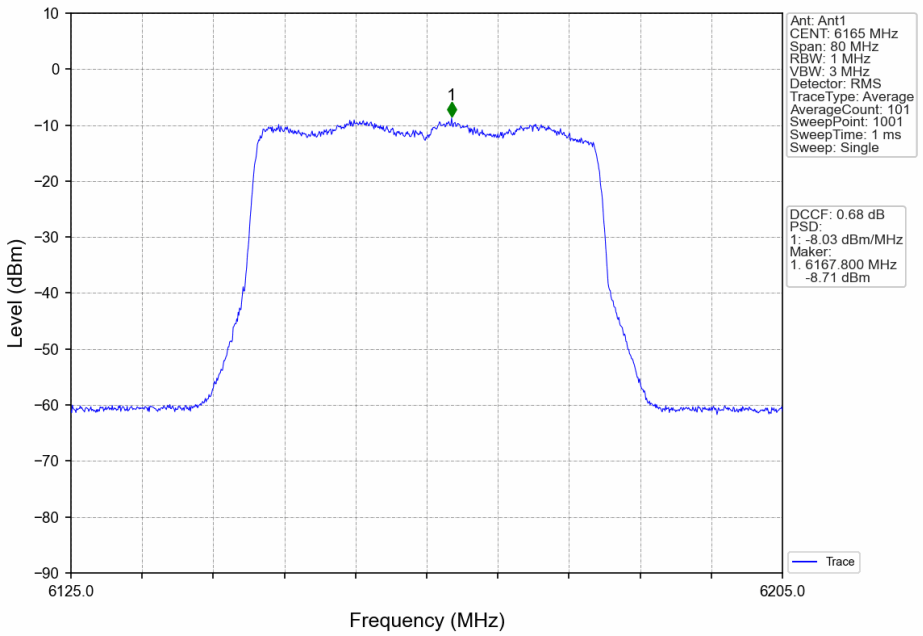


802.11ax(HEW40)_MCH_6165MHz_RU484_Left_Ant1_NTNV



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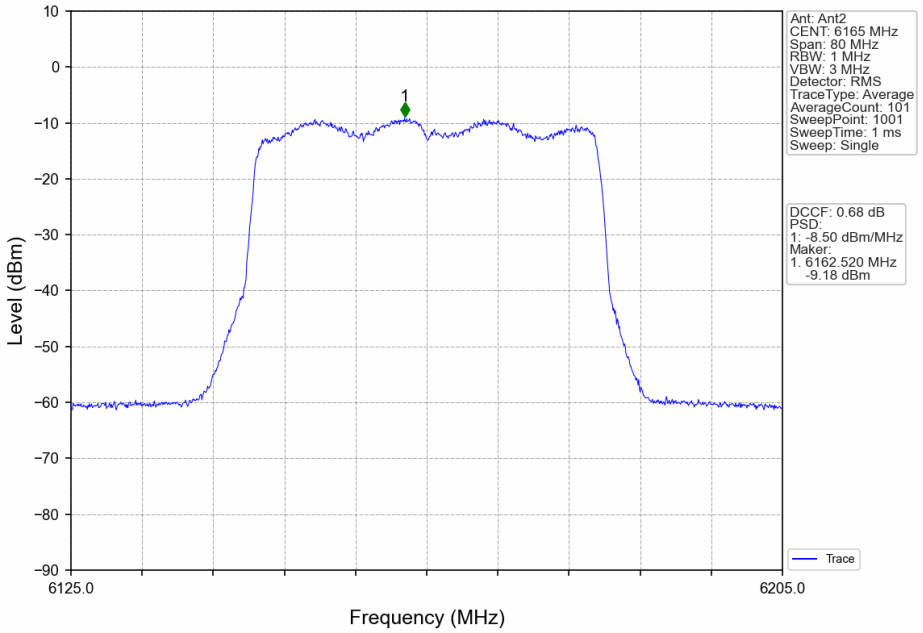
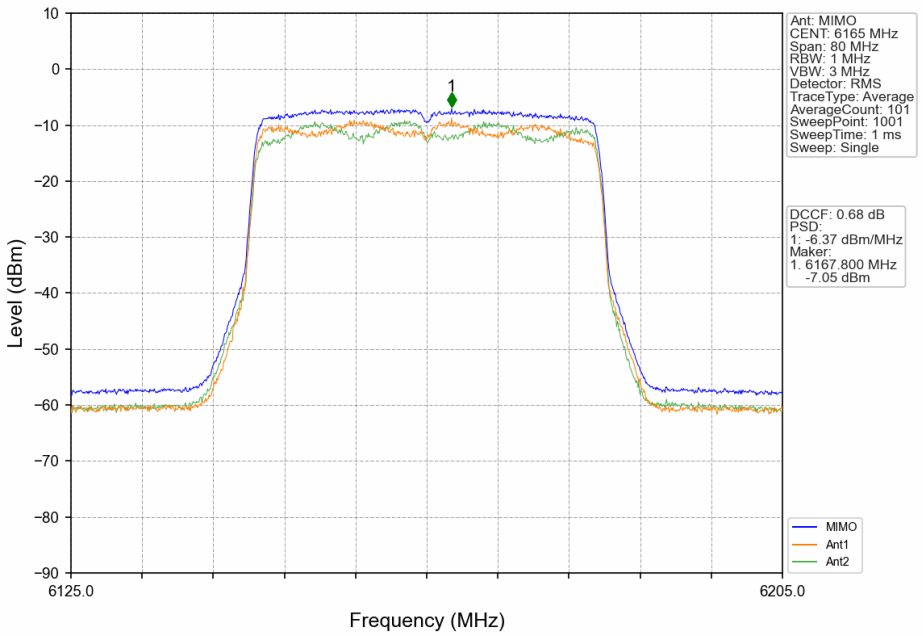
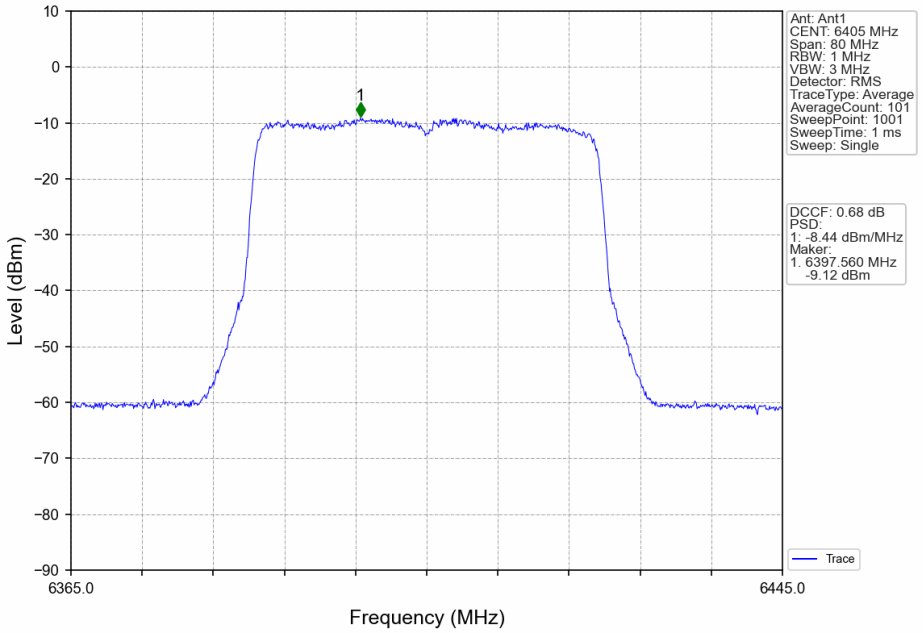


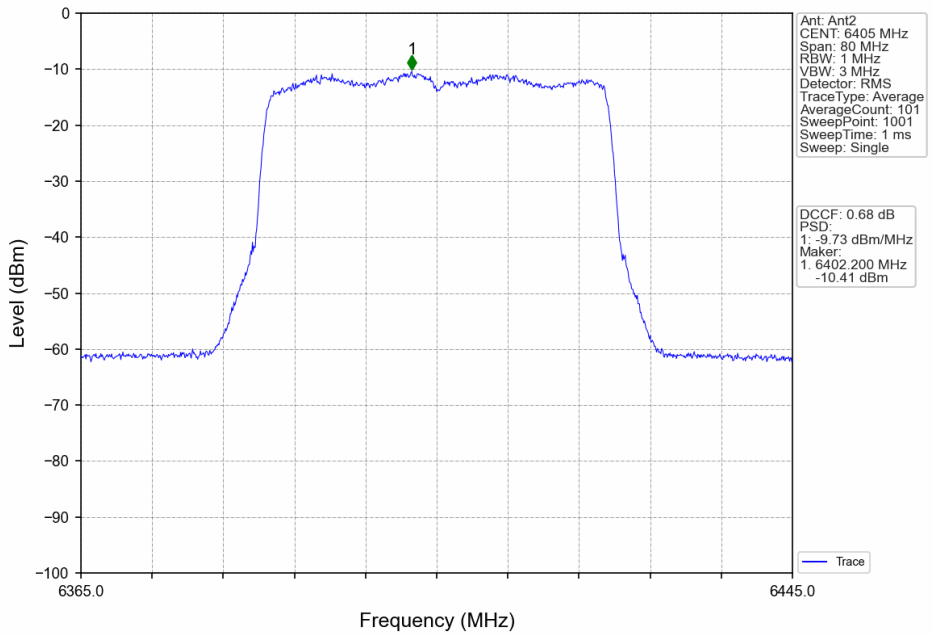
802.11ax(HEW40)_MCH_6165MHz_RU484_Left_MIMO_NTNV



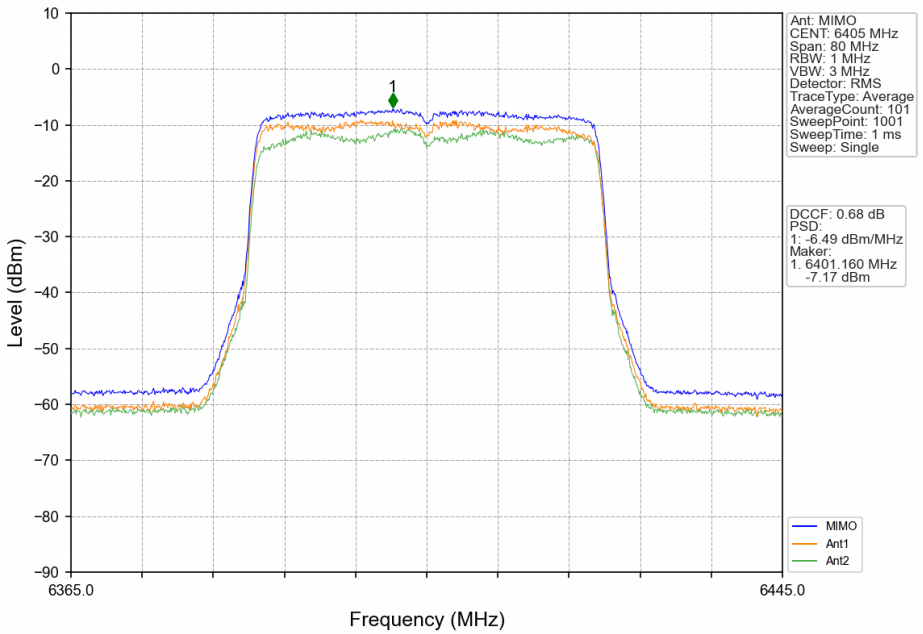
802.11ax(HEW40)_HCH_6405MHz_RU484_Left_Ant1_NTNV



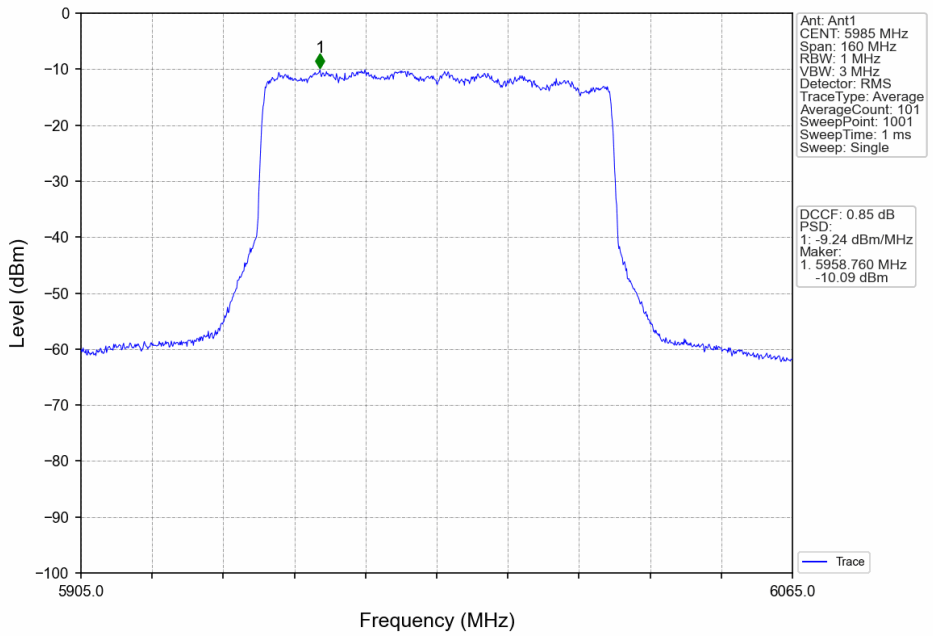
802.11ax(HEW40)_HCH_6405MHz_RU484_Left_Ant2_NTNV



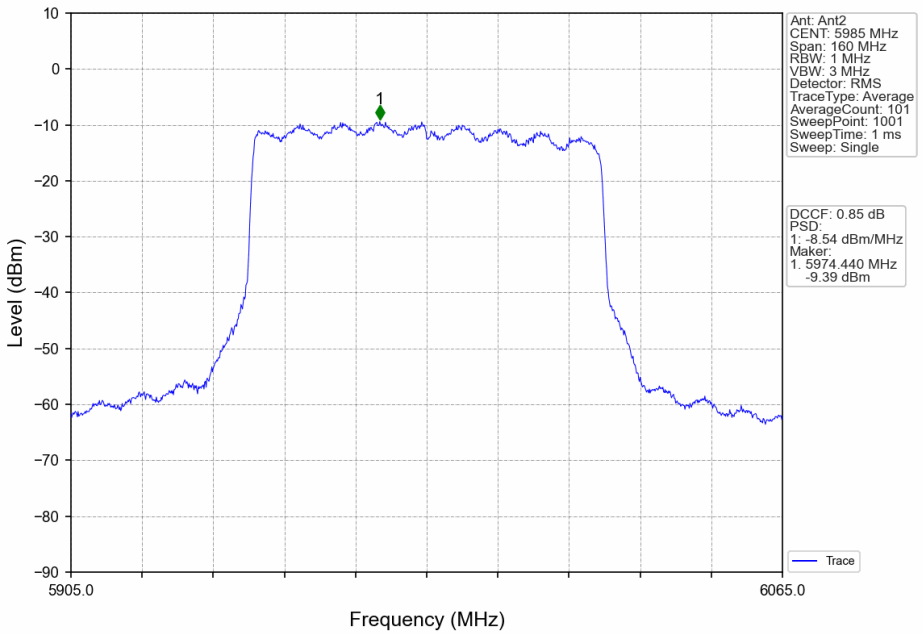
802.11ax(HEW40)_HCH_6405MHz_RU484_Left_MIMO_NTNV



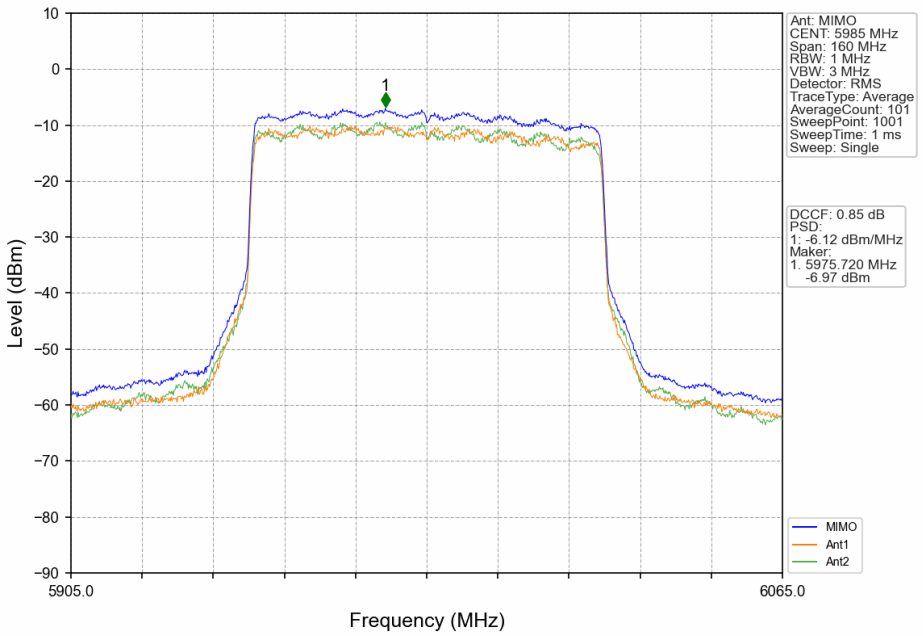
802.11ax(HEW80)_LCH_5985MHz_RU996_Left_Ant1_NTNV



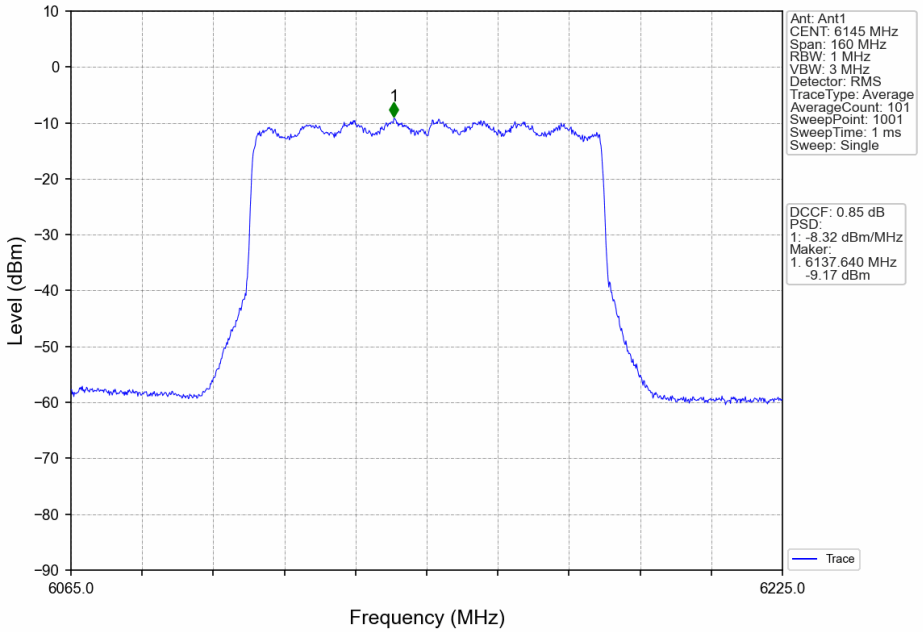
802.11ax(HEW80)_LCH_5985MHz_RU996_Left_Ant2_NTNV



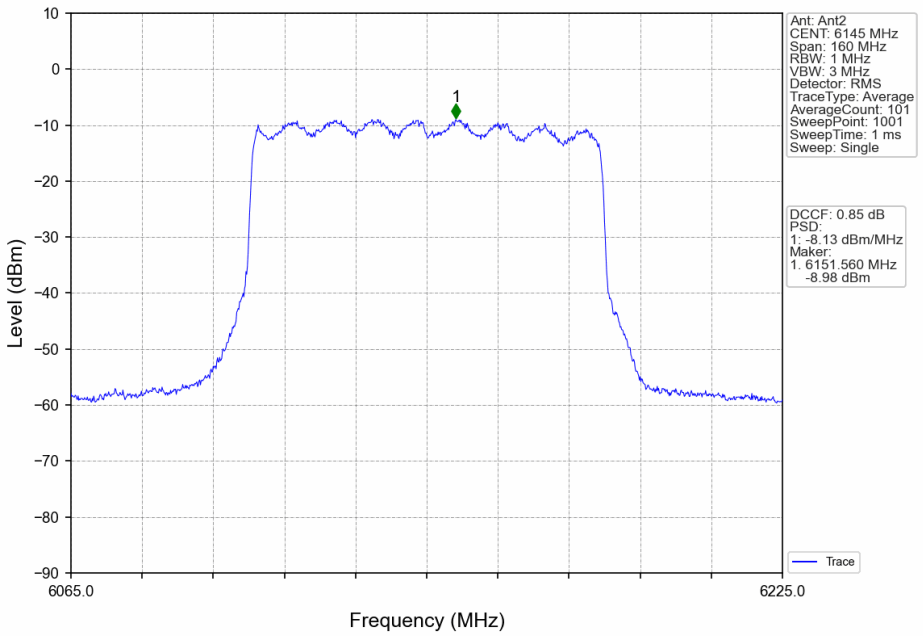
802.11ax(HEW80)_LCH_5985MHz_RU996_Left_MIMO_NTNV



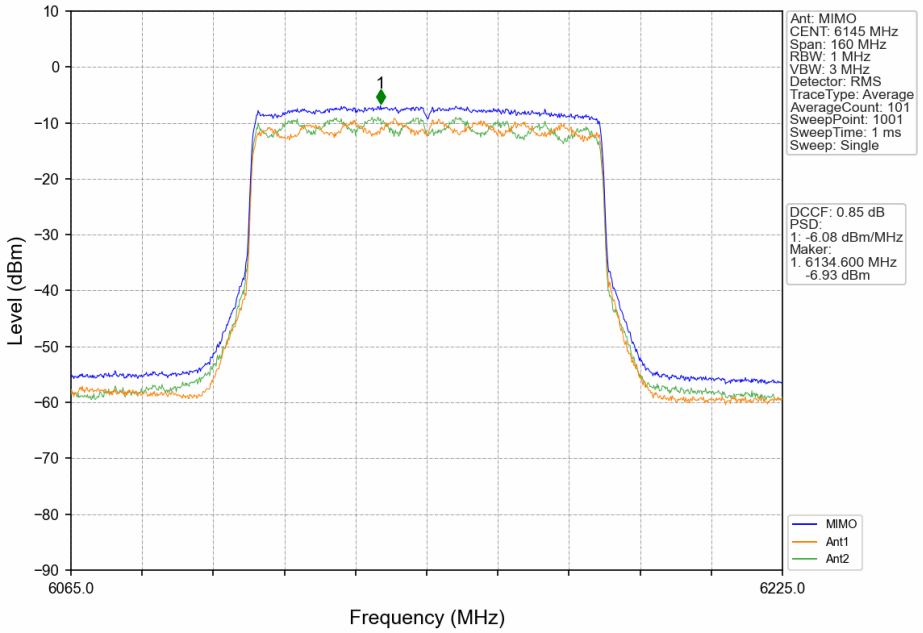
802.11ax(HEW80)_MCH_6145MHz_RU996_Left_Ant1_NTNV



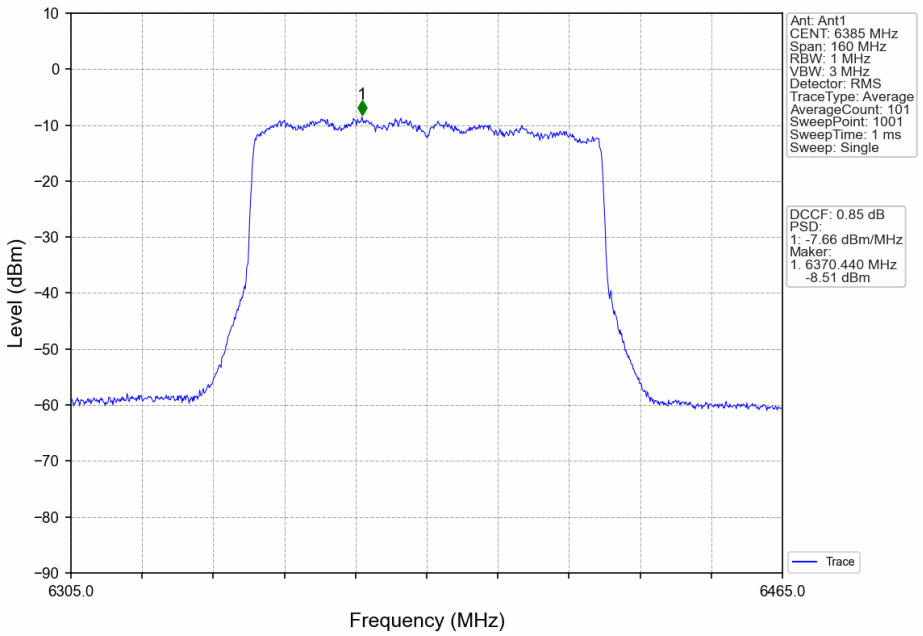
802.11ax(HEW80)_MCH_6145MHz_RU996_Left_Ant2_NTNV



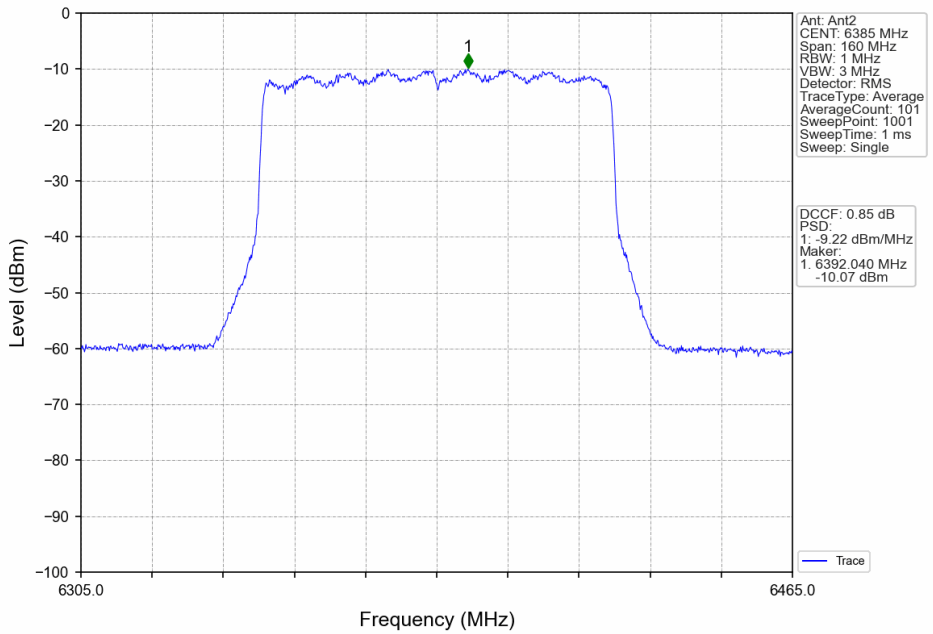
802.11ax(HEW80)_MCH_6145MHz_RU996_Left_MIMO_NTNV



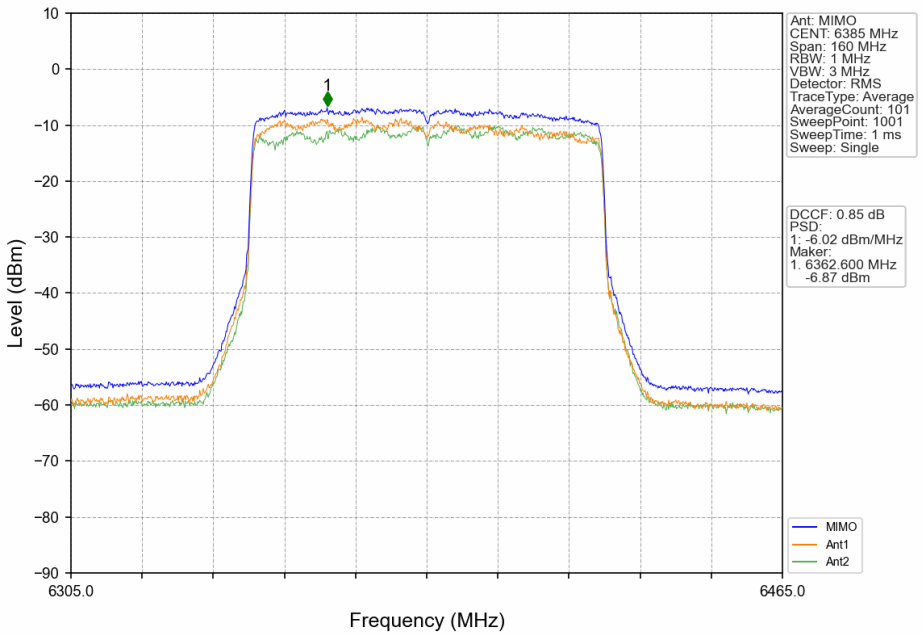
802.11ax(HEW80)_HCH_6385MHz_RU996_Left_Ant1_NTNV



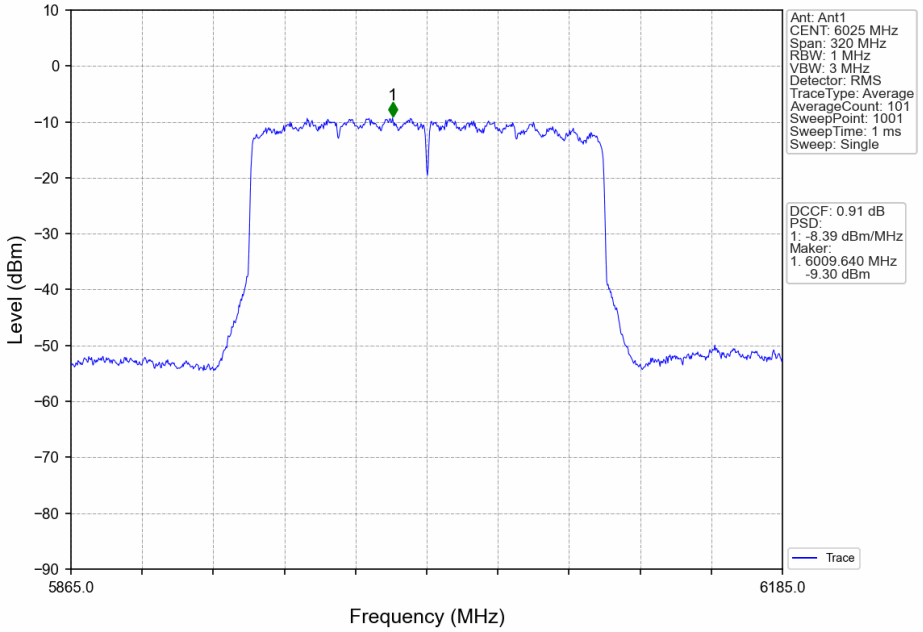
802.11ax(HEW80)_HCH_6385MHz_RU996_Left_Ant2_NTNV



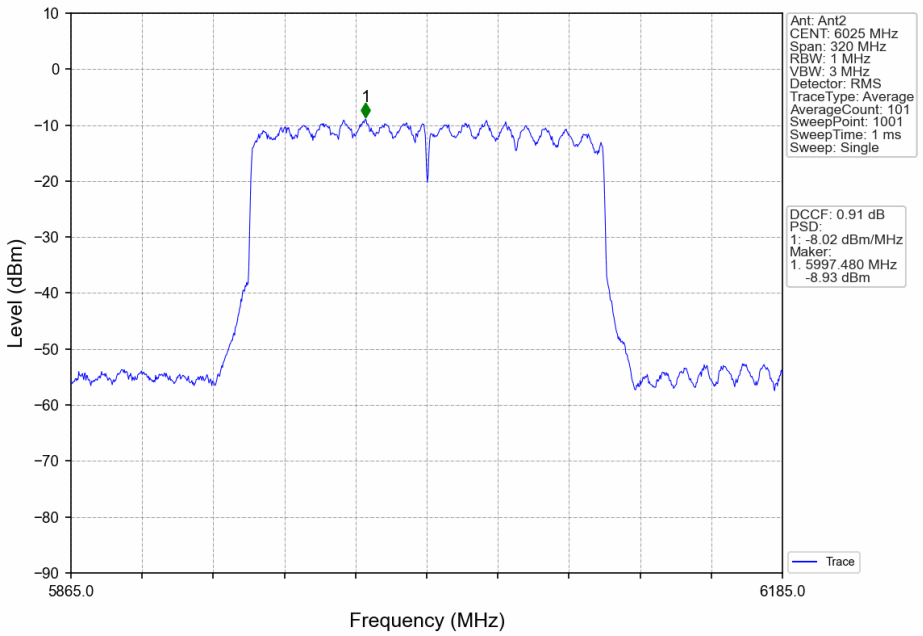
802.11ax(HEW80)_HCH_6385MHz_RU996_Left_MIMO_NTNV



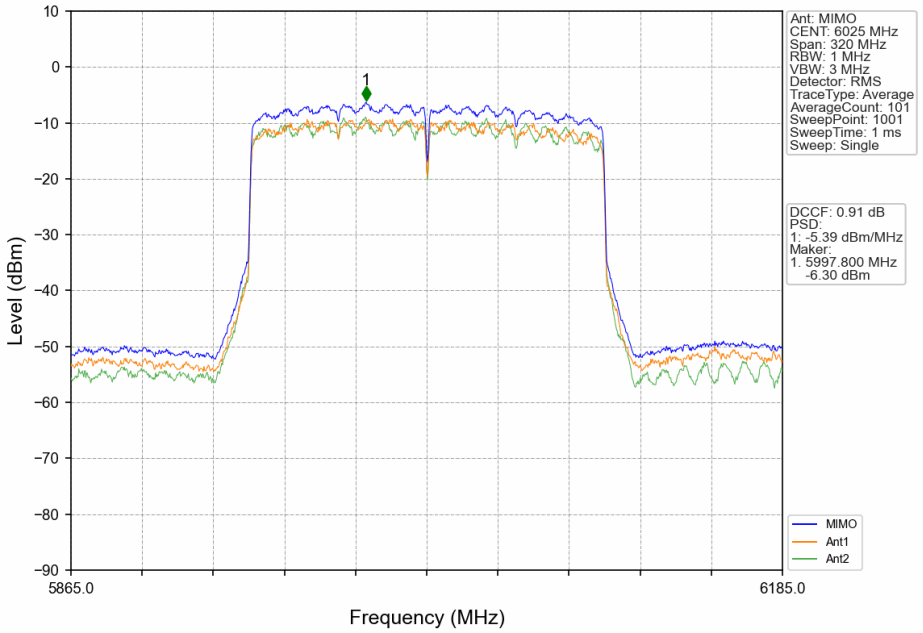
802.11ax(HEW160)_LCH_6025MHz_2xRU996_Left_Ant1_NTNV



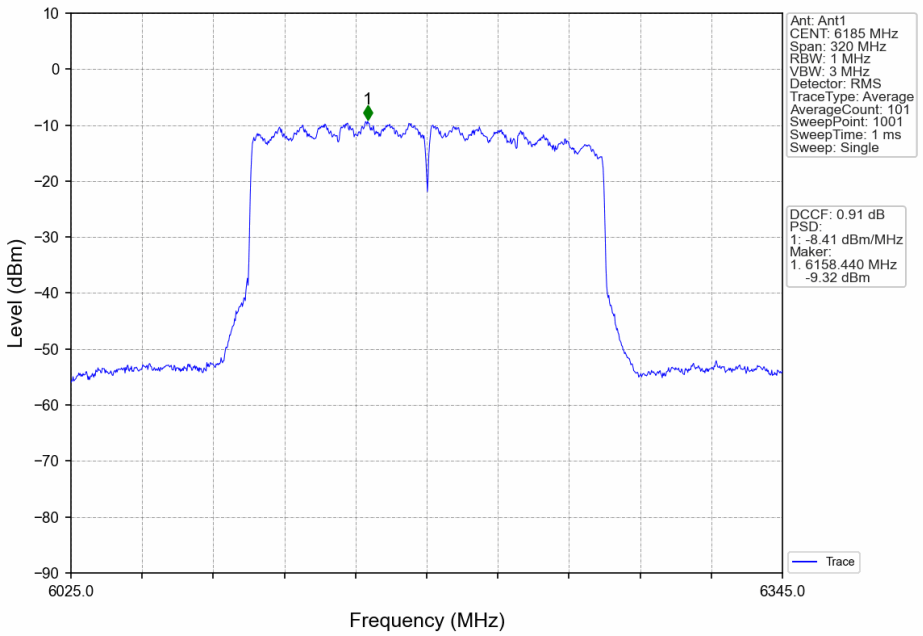
802.11ax(HEW160)_LCH_6025MHz_2xRU996_Left_Ant2_NTNV



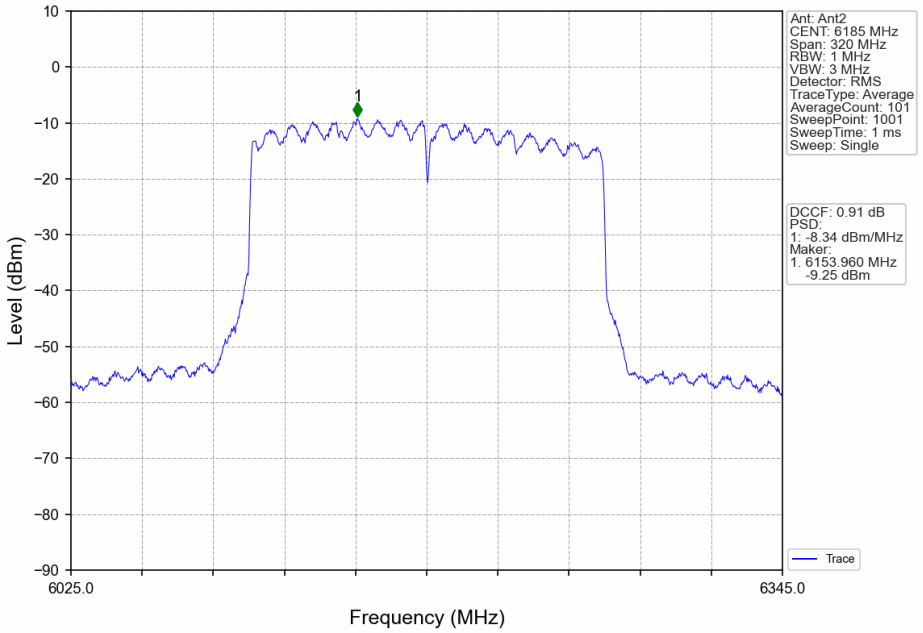
802.11ax(HEW160)_LCH_6025MHz_2xRU996_Left_MIMO_NTNV



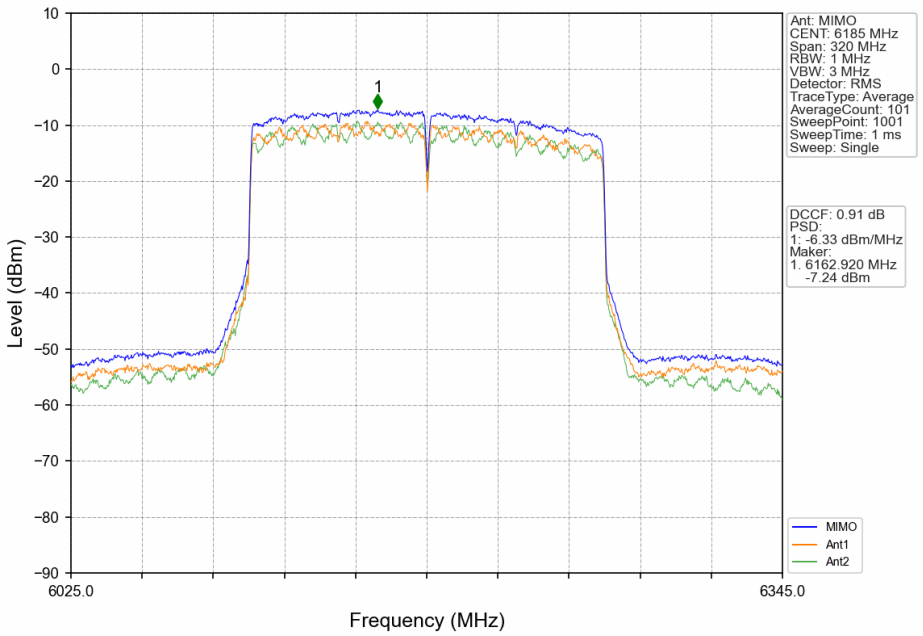
802.11ax(HEW160)_MCH_6185MHz_2xRU996_Left_Ant1_NTNV



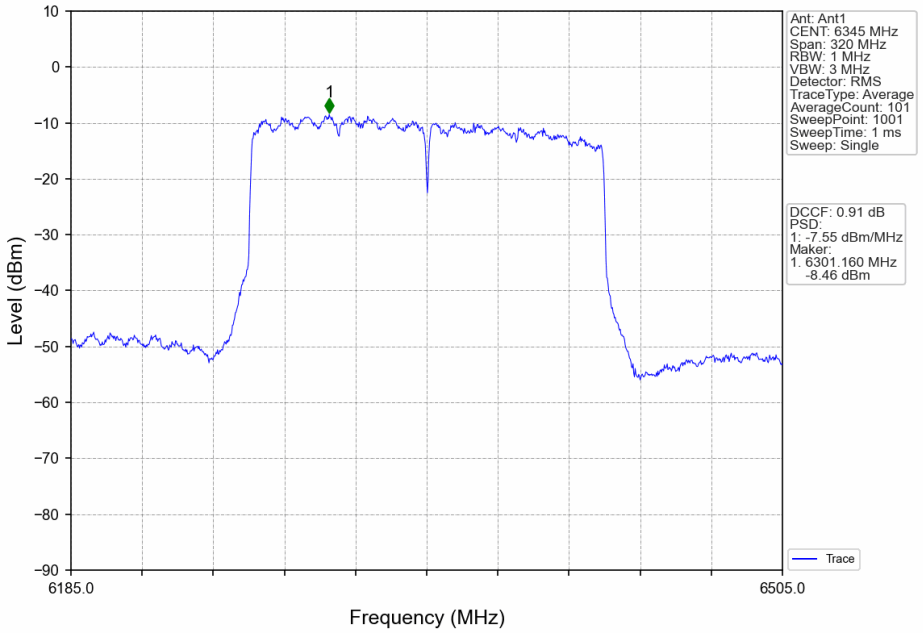
802.11ax(HEW160)_MCH_6185MHz_2xRU996_Left_Ant2_NTNV



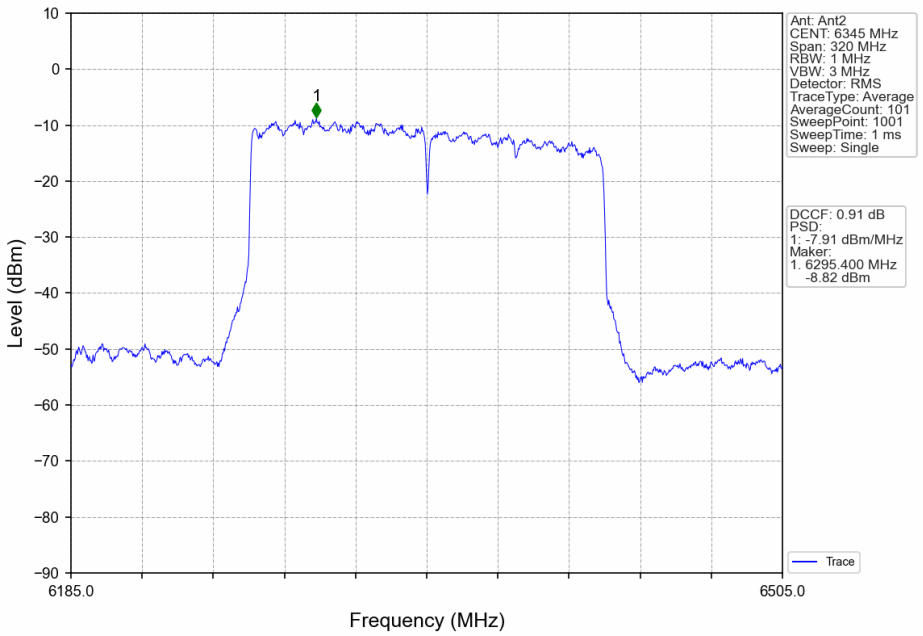
802.11ax(HEW160)_MCH_6185MHz_2xRU996_Left_MIMO_NTNV



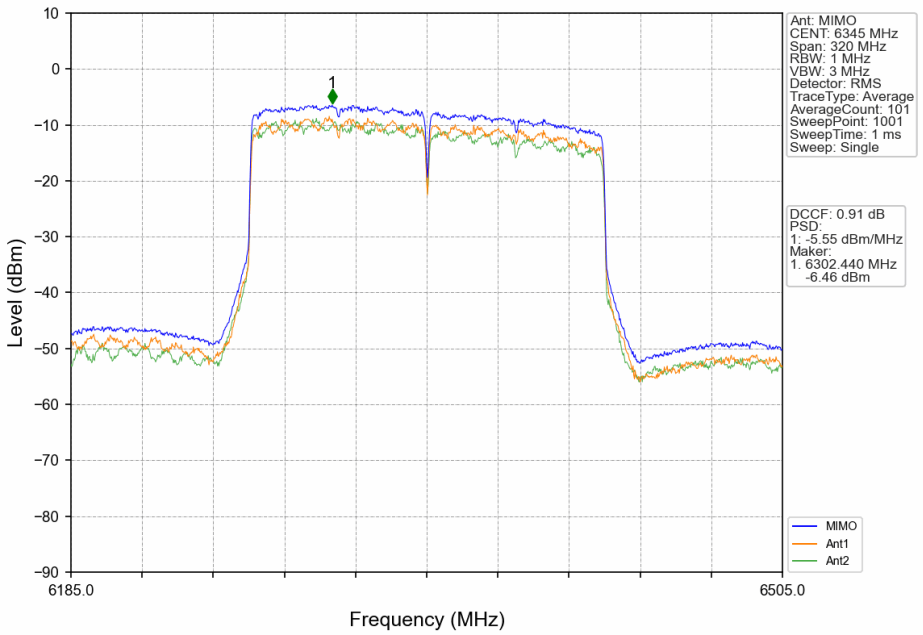
802.11ax(HEW160)_HCH_6345MHz_2xRU996_Left_Ant1_NTNV



802.11ax(HEW160)_HCH_6345MHz_2xRU996_Left_Ant2_NTNV



802.11ax(HEW160)_HCH_6345MHz_2xRU996_Left_MIMO_NTNV



4.2 E.I.R.PSD

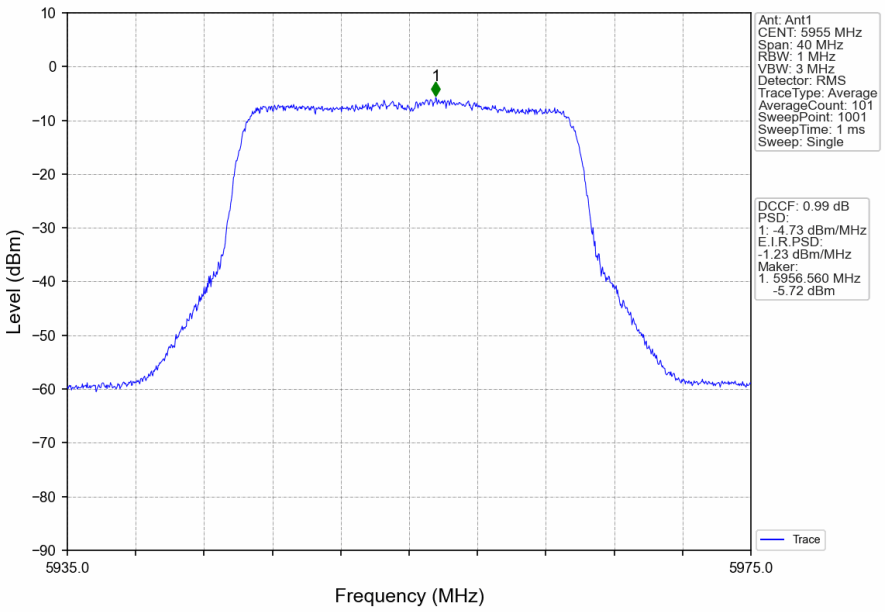
4.2.1 Test Result

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum E.I.R.PSD (dBm/MHz)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11ax (HEW20)	SISO	5955	RU242	Left	-1.23	-2.01	/	<=-1	Pass
			6175	RU242	Left	-2.13	-2.68	/	<=-1	Pass
			6415	RU242	Left	-2.09	-3.20	/	<=-1	Pass
	802.11ax (HEW40)	SISO	5965	RU484	Left	-1.83	-1.63	/	<=-1	Pass
			6165	RU484	Left	-1.61	-1.81	/	<=-1	Pass
			6405	RU484	Left	-2.22	-3.44	/	<=-1	Pass
	802.11ax (HEW80)	SISO	5985	RU996	Left	-1.81	-2.55	/	<=-1	Pass
			6145	RU996	Left	-1.73	-1.70	/	<=-1	Pass
			6385	RU996	Left	-1.32	-1.49	/	<=-1	Pass
	802.11ax (HEW160)	SISO	6025	2xRU996	Left	-1.88	-1.75	/	<=-1	Pass
			6185	2xRU996	Left	-2.42	-1.79	/	<=-1	Pass
			6345	2xRU996	Left	-1.37	-1.29	/	<=-1	Pass
	802.11ax (HEW20)	MIMO	5955	RU242	Left	-4.88	-5.55	-2.19	<=-1	Pass
			6175	RU242	Left	-4.60	-5.16	-1.86	<=-1	Pass
			6415	RU242	Left	-4.11	-5.43	-1.71	<=-1	Pass
	802.11ax (HEW40)	MIMO	5965	RU484	Left	-4.45	-5.27	-1.83	<=-1	Pass
			6165	RU484	Left	-4.53	-5.00	-1.75	<=-1	Pass
			6405	RU484	Left	-4.94	-6.23	-2.53	<=-1	Pass
	802.11ax (HEW80)	MIMO	5985	RU996	Left	-5.74	-5.04	-2.37	<=-1	Pass
			6145	RU996	Left	-4.82	-4.63	-1.71	<=-1	Pass
			6385	RU996	Left	-4.16	-5.72	-1.86	<=-1	Pass
	802.11ax (HEW160)	MIMO	6025	2xRU996	Left	-4.89	-4.52	-1.69	<=-1	Pass
			6185	2xRU996	Left	-4.91	-4.84	-1.86	<=-1	Pass
			6345	2xRU996	Left	-4.05	-4.41	-1.22	<=-1	Pass

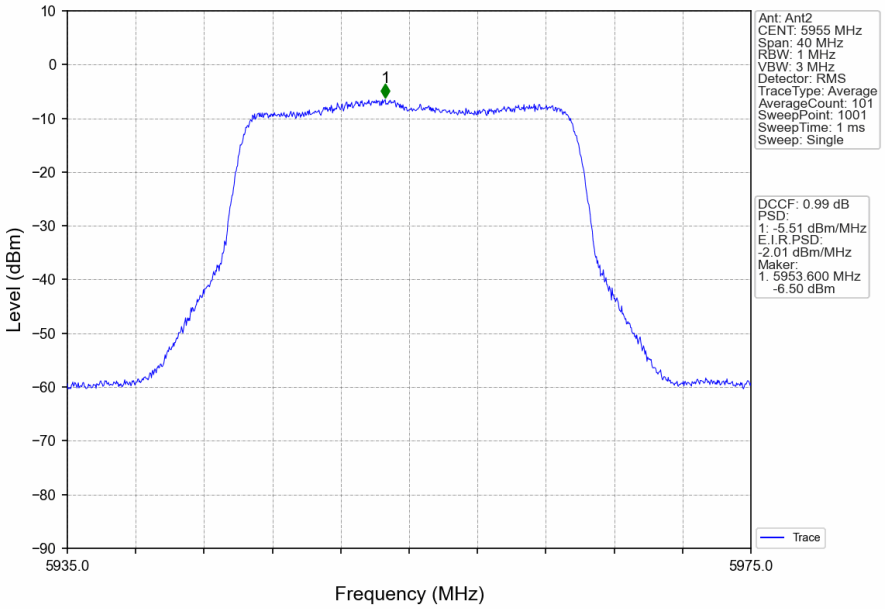
Note1: Antenna Gain: Ant1: 3.50dBi; Ant2: 3.50dBi;
Note2: E.I.R.PSD = Measured PSD + Antenna Gain

4.2.2 Test Graph

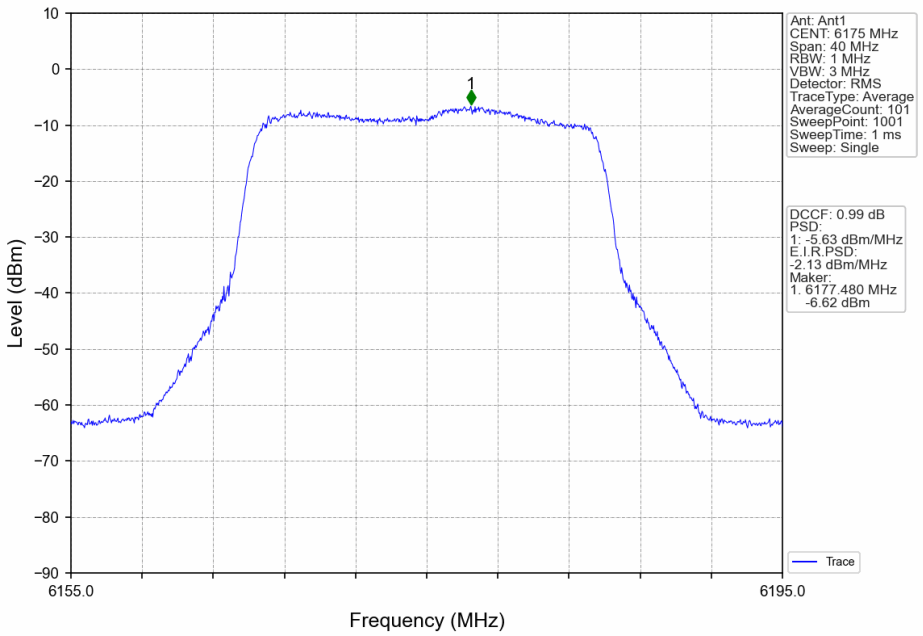
802.11ax(HEW20)_LCH_5955MHz_RU242_Left_Ant1_NTNV



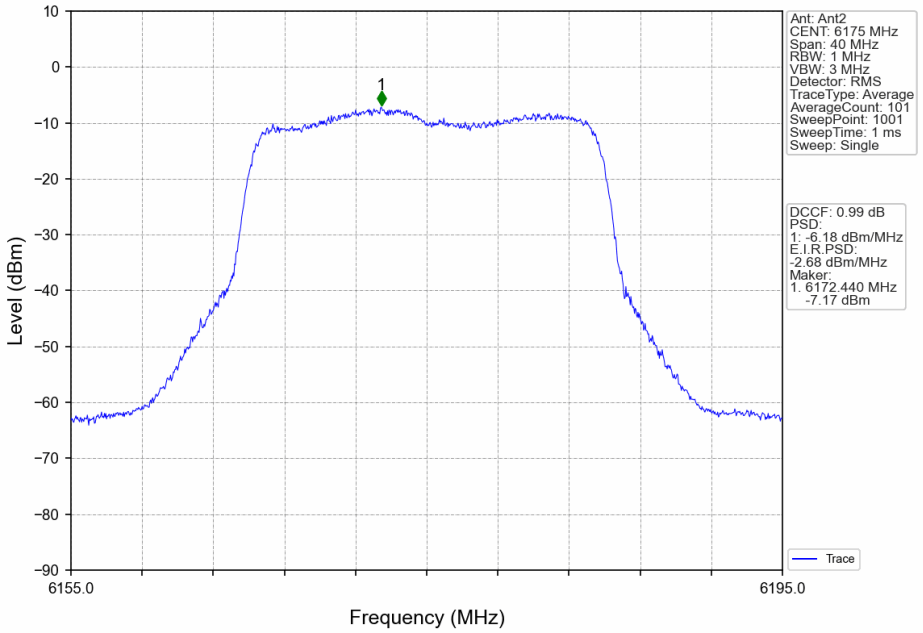
802.11ax(HEW20)_LCH_5955MHz_RU242_Left_Ant2_NTNV



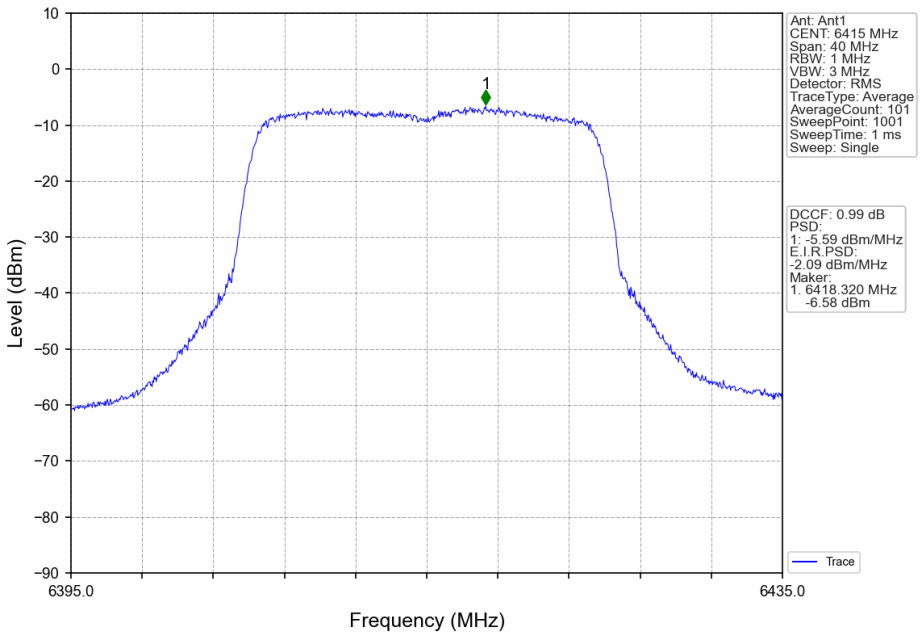
802.11ax(HEW20)_MCH_6175MHz_RU242_Left_Ant1_NTNV



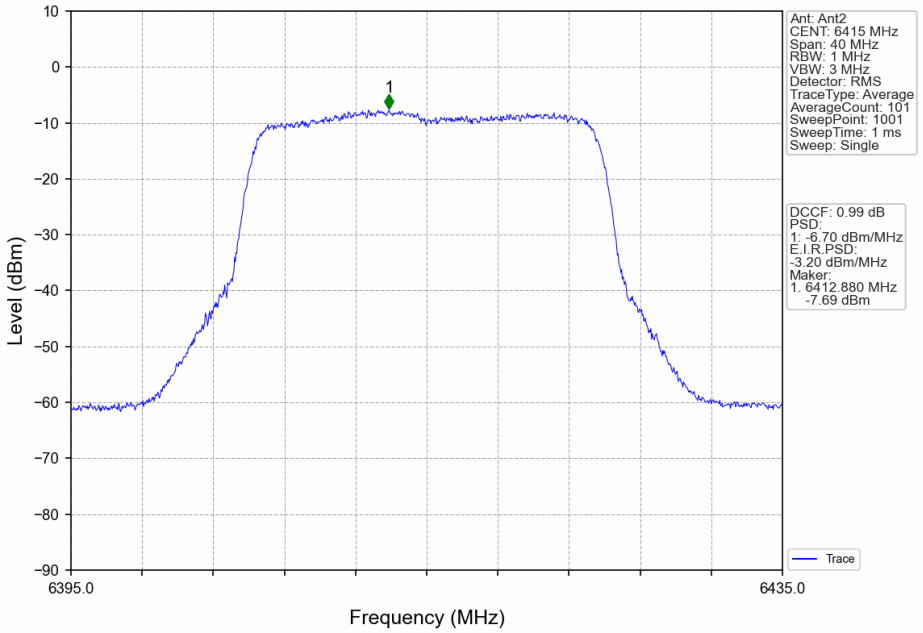
802.11ax(HEW20)_MCH_6175MHz_RU242_Left_Ant2_NTNV



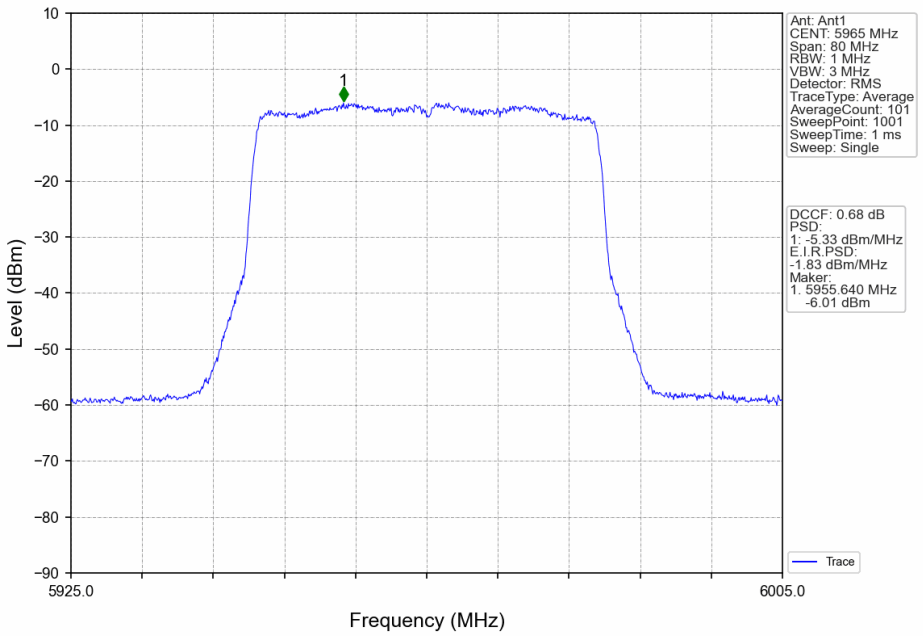
802.11ax(HEW20)_HCH_6415MHz_RU242_Left_Ant1_NTNV



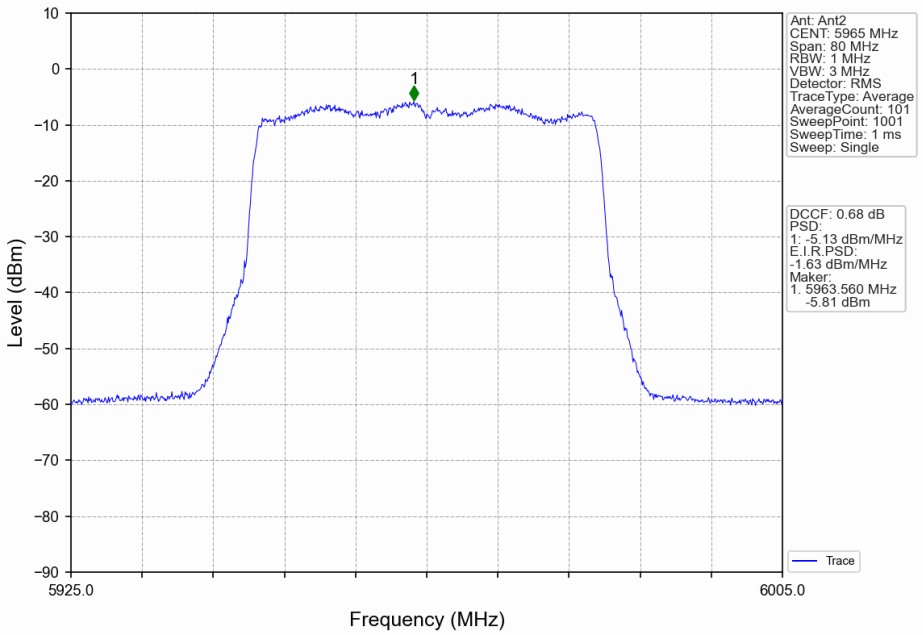
802.11ax(HEW20)_HCH_6415MHz_RU242_Left_Ant2_NTNV



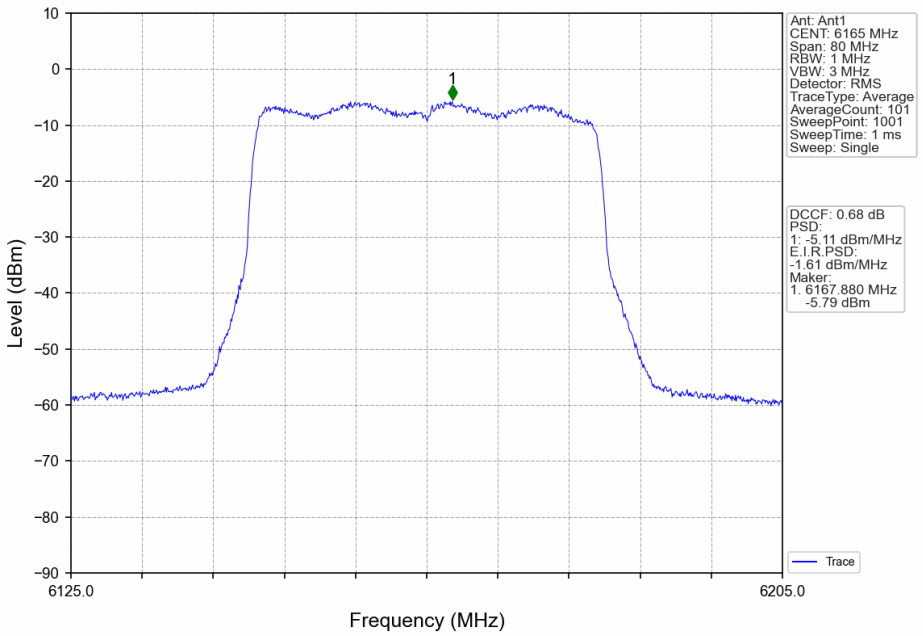
802.11ax(HEW40)_LCH_5965MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_LCH_5965MHz_RU484_Left_Ant2_NTNV



802.11ax(HEW40)_MCH_6165MHz_RU484_Left_Ant1_NTNV



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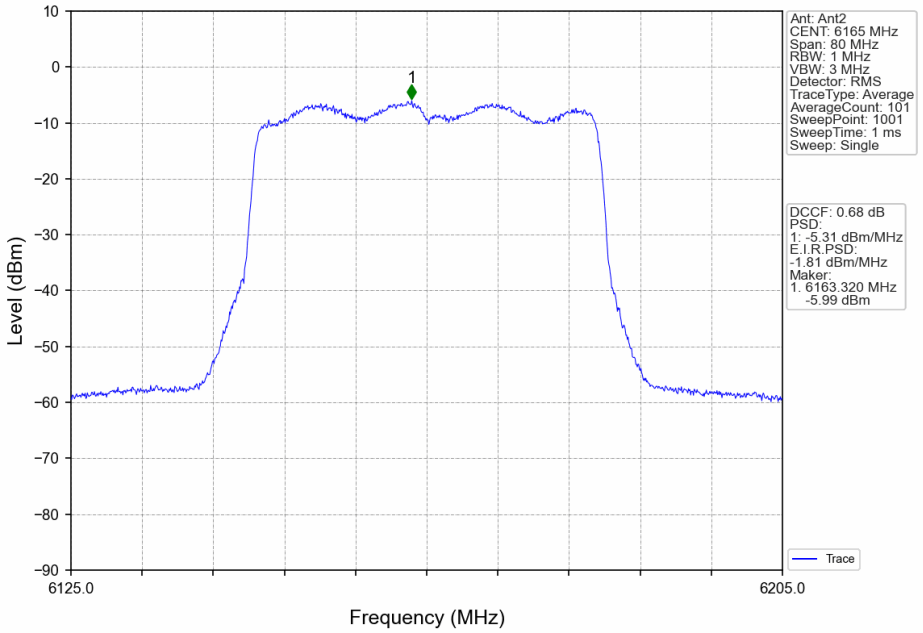
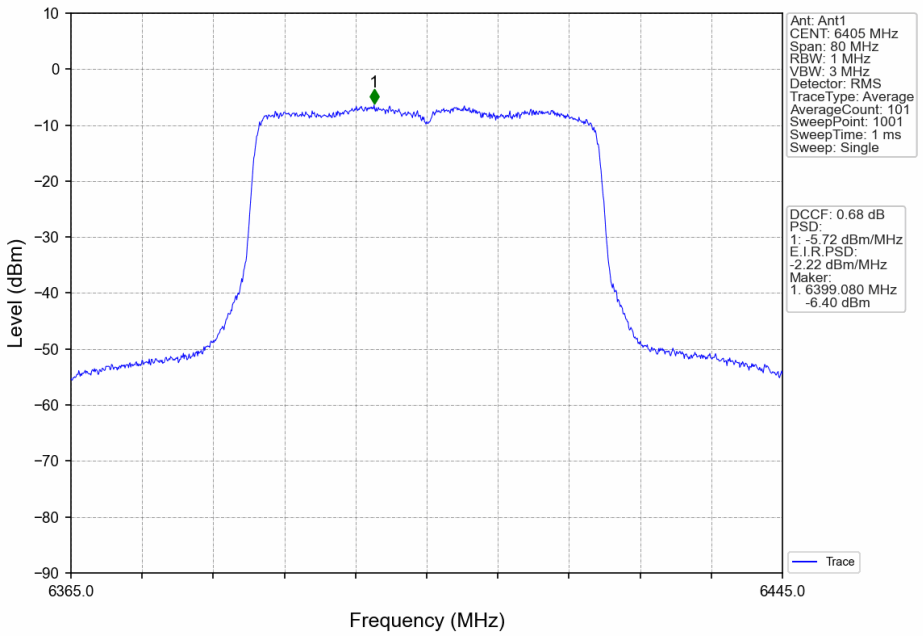


802.11ax(HEW40)_HCH_6405MHz_RU484_Left_Ant1_NTNV



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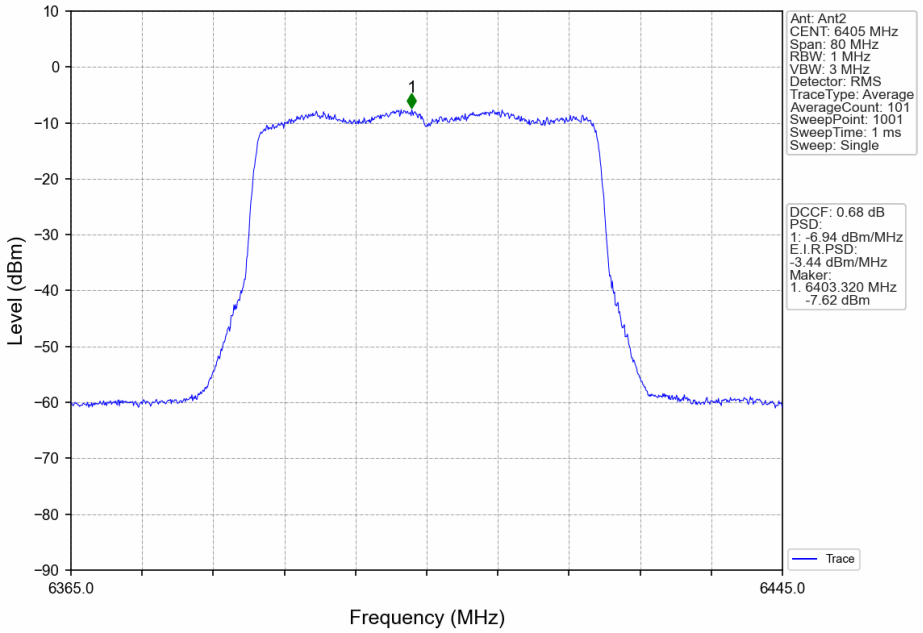

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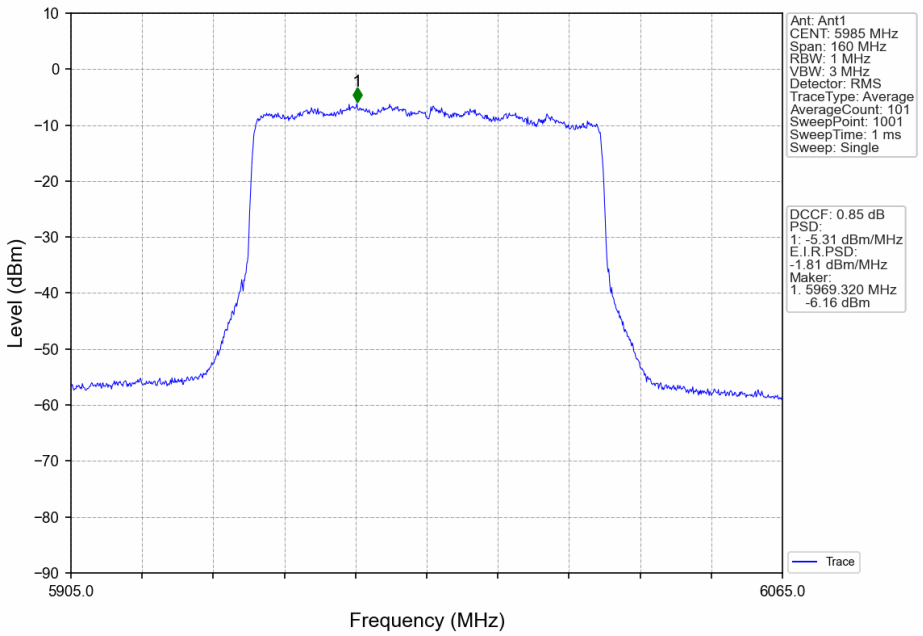

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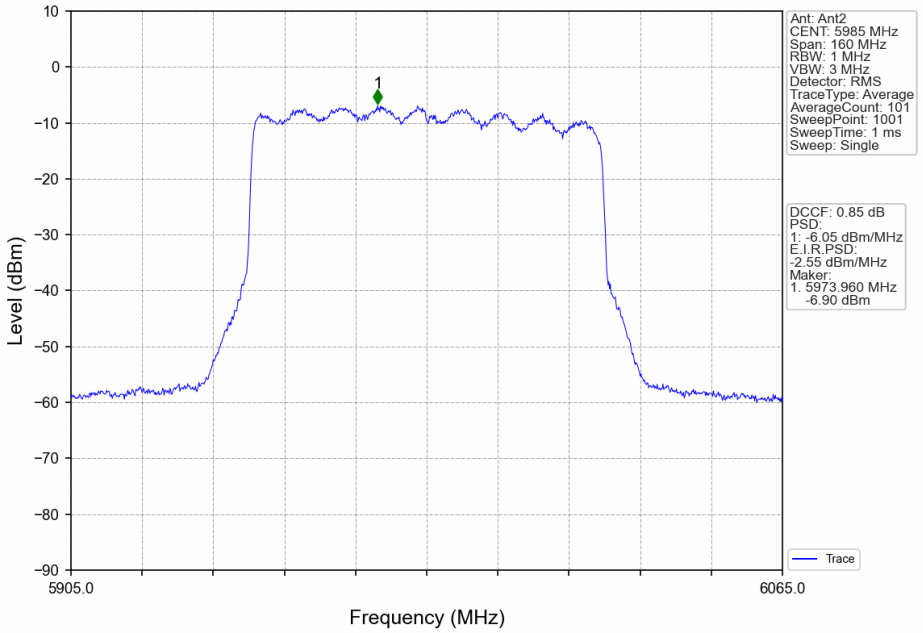

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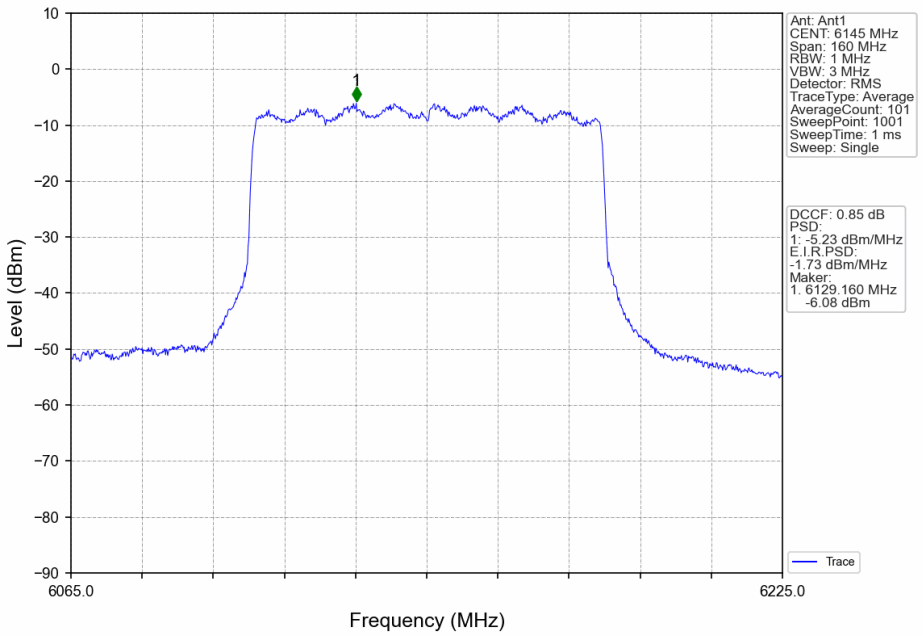
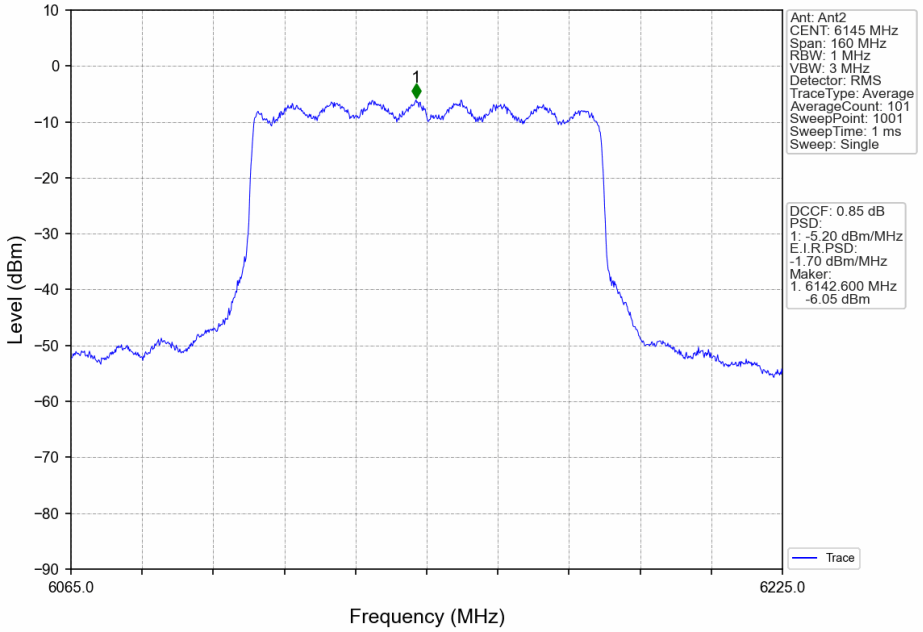
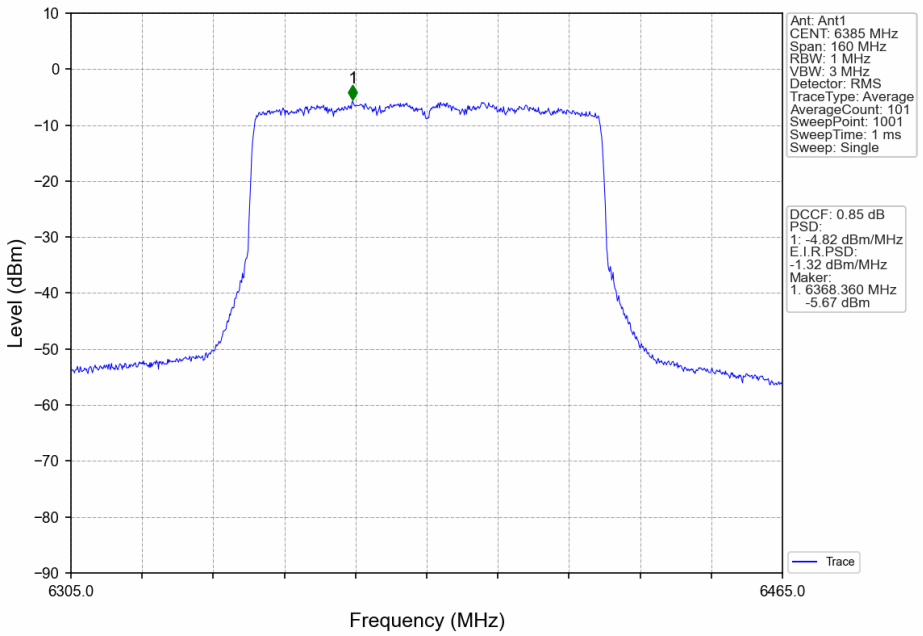


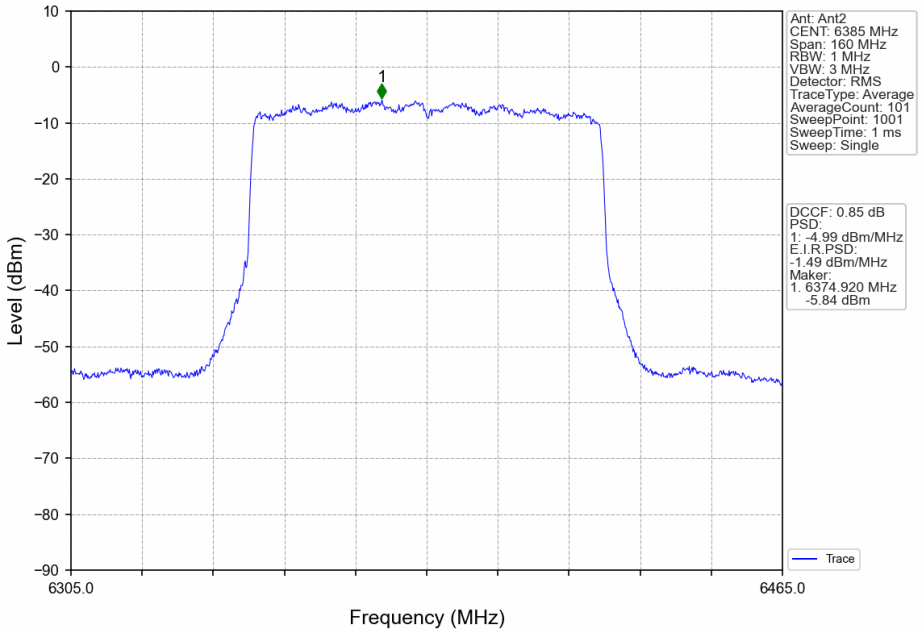
802.11ax(HEW80)_MCH_6145MHz_RU996_Left_Ant2_NTNV



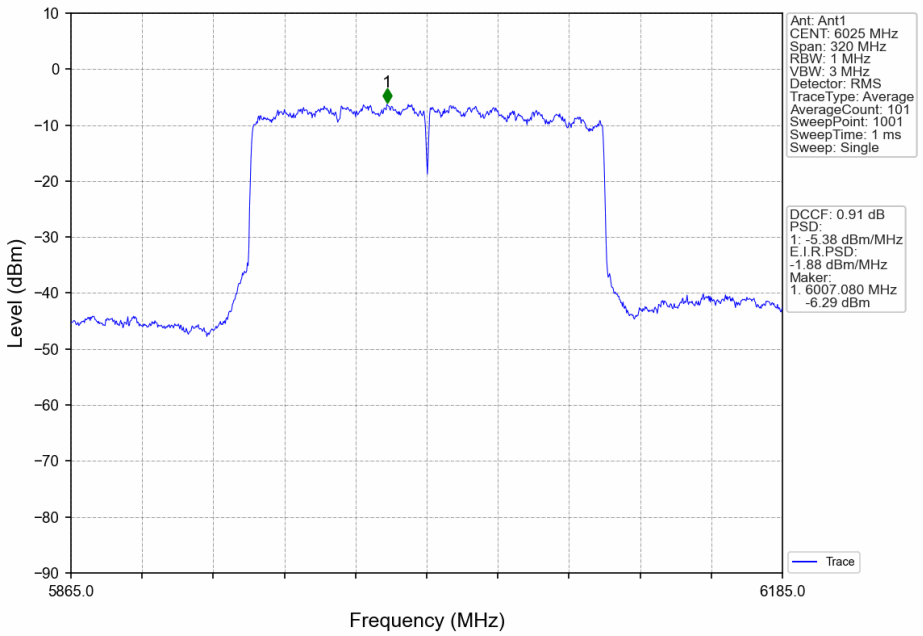
802.11ax(HEW80)_HCH_6385MHz_RU996_Left_Ant1_NTNV



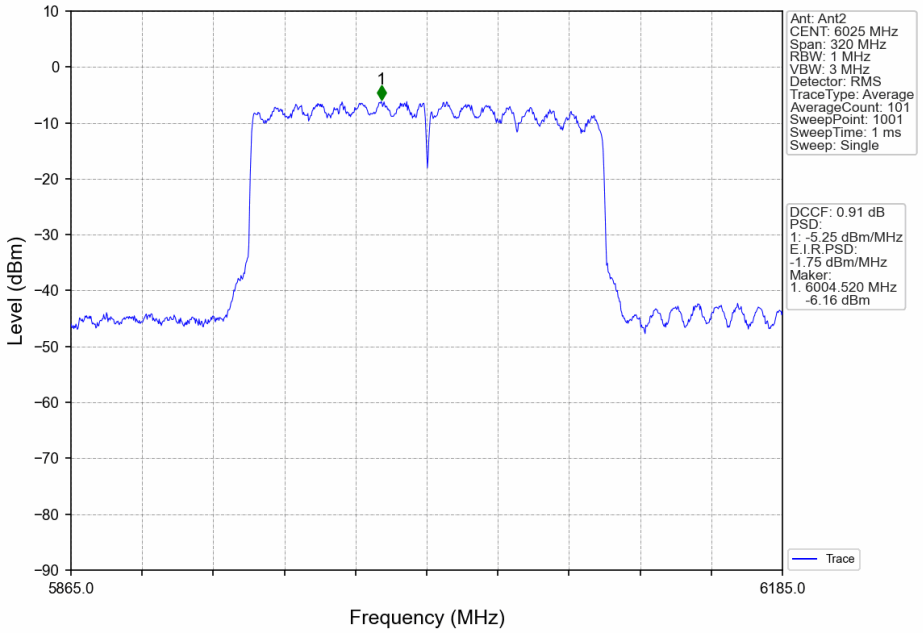
802.11ax(HEW80)_HCH_6385MHz_RU996_Left_Ant2_NTNV



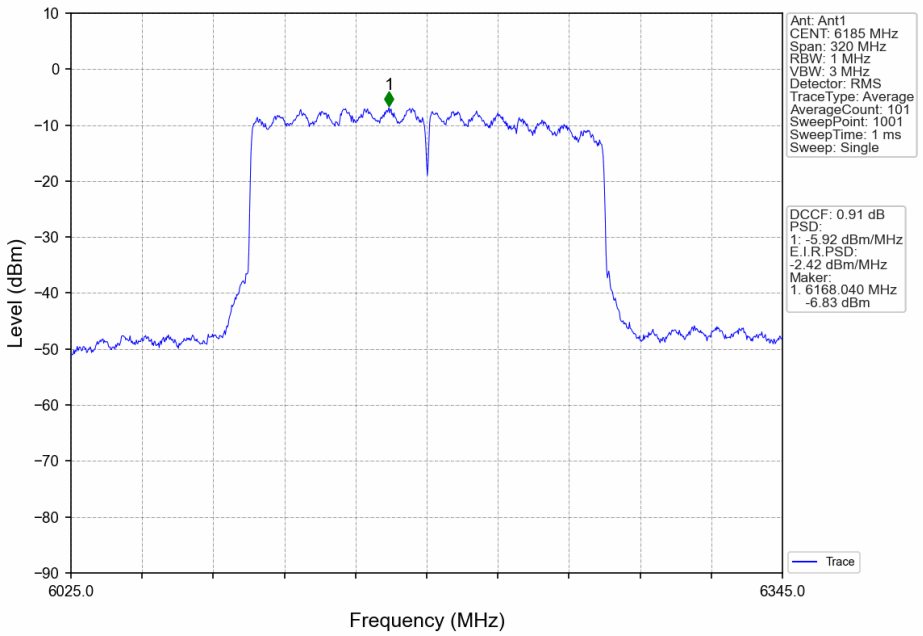
802.11ax(HEW160)_LCH_6025MHz_2xRU996_Left_Ant1_NTNV



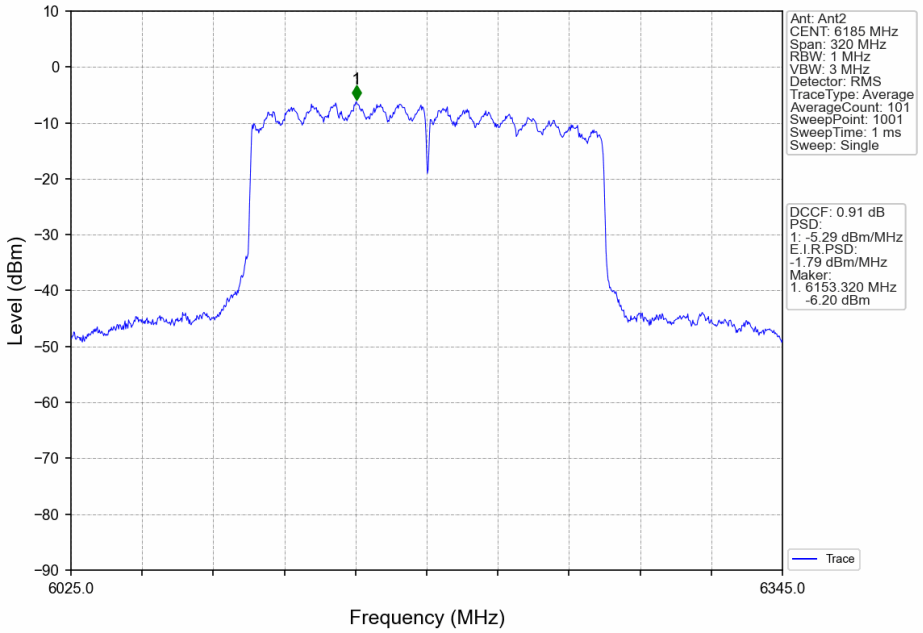
802.11ax(HEW160)_LCH_6025MHz_2xRU996_Left_Ant2_NTNV



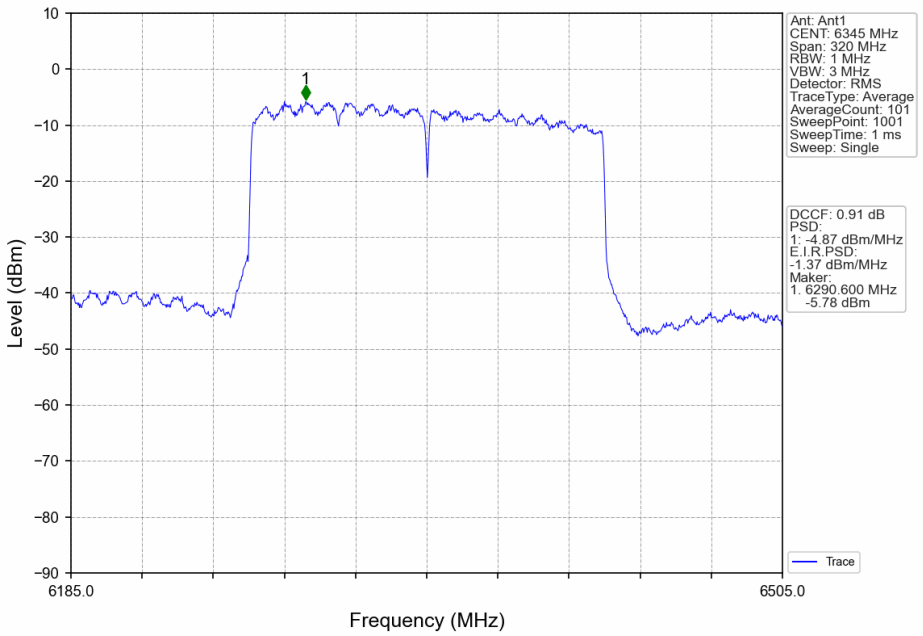
802.11ax(HEW160)_MCH_6185MHz_2xRU996_Left_Ant1_NTNV



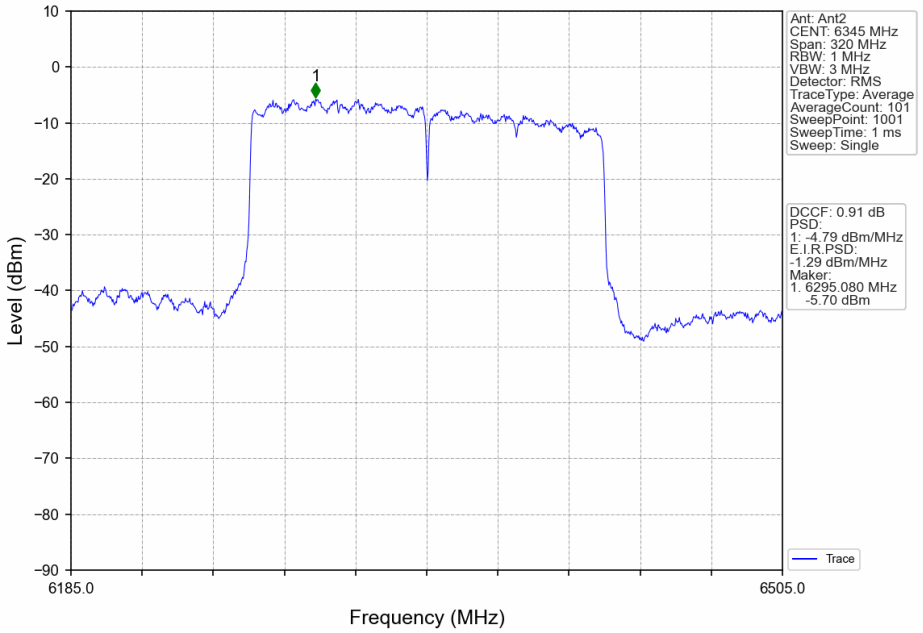
802.11ax(HEW160)_MCH_6185MHz_2xRU996_Left_Ant2_NTNV



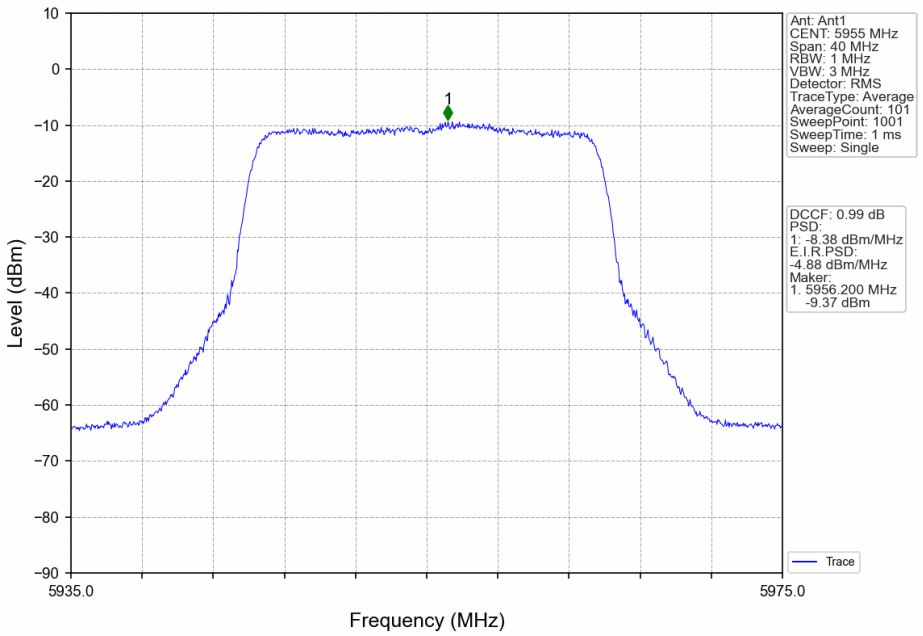
802.11ax(HEW160)_HCH_6345MHz_2xRU996_Left_Ant1_NTNV



802.11ax(HEW160)_HCH_6345MHz_2xRU996_Left_Ant2_NTNV



802.11ax(HEW20)_LCH_5955MHz_RU242_Left_Ant1_NTNV



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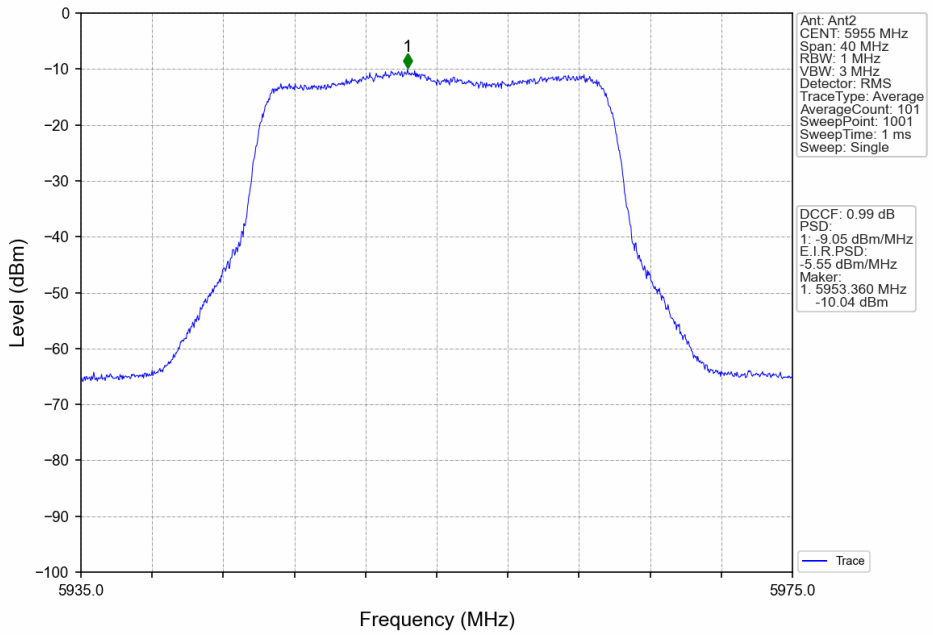
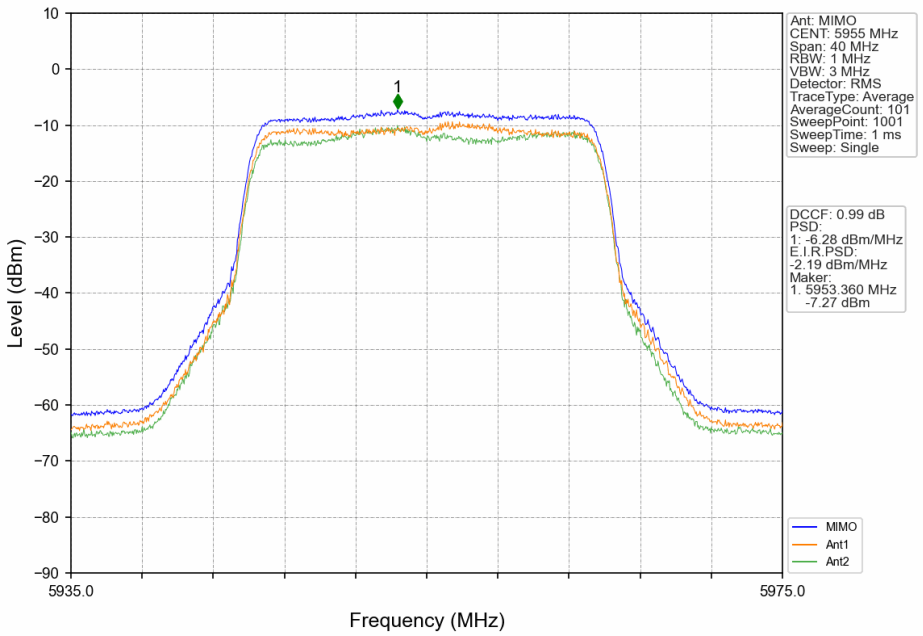


802.11ax(HEW20)_LCH_5955MHz_RU242_Left_MIMO_NTNV



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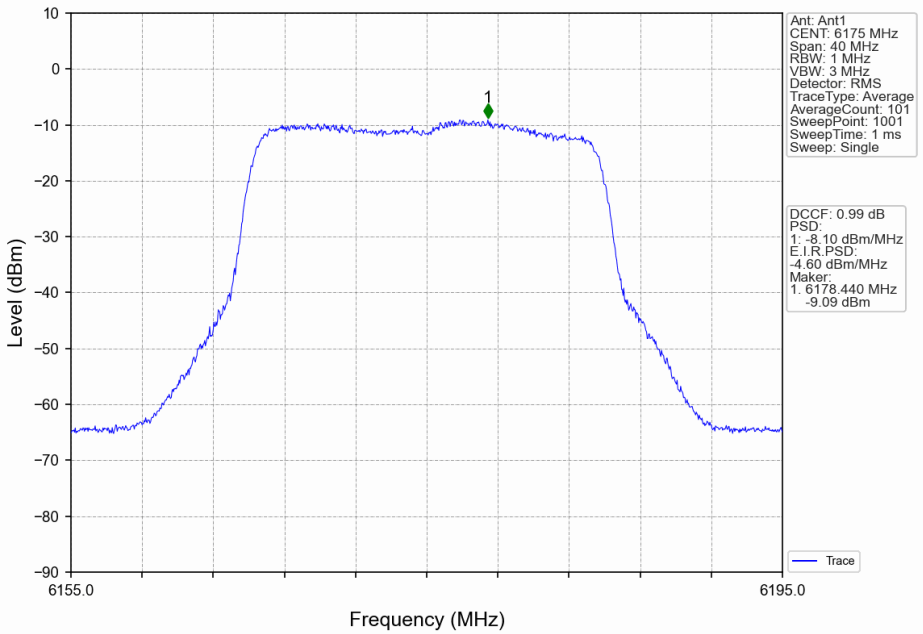
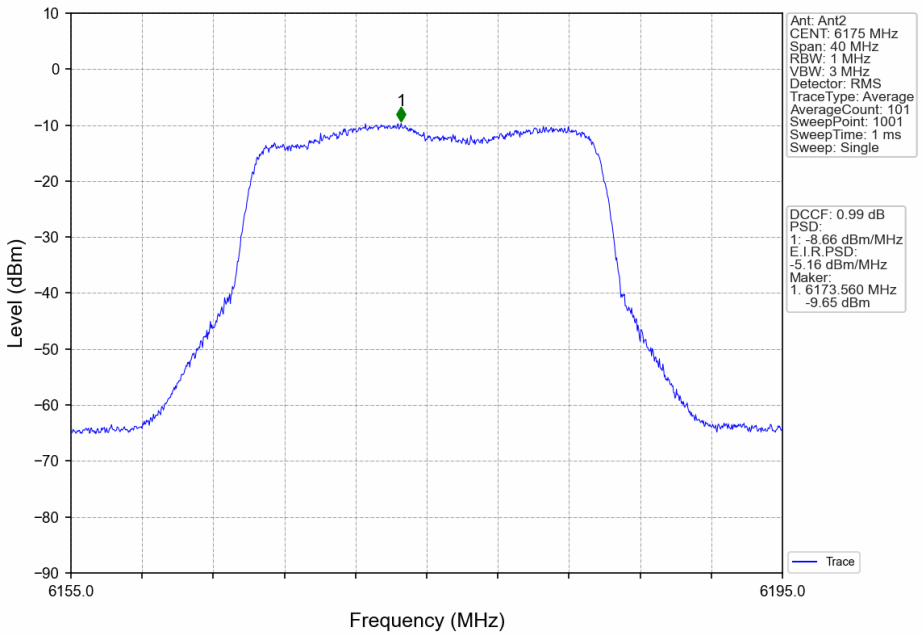
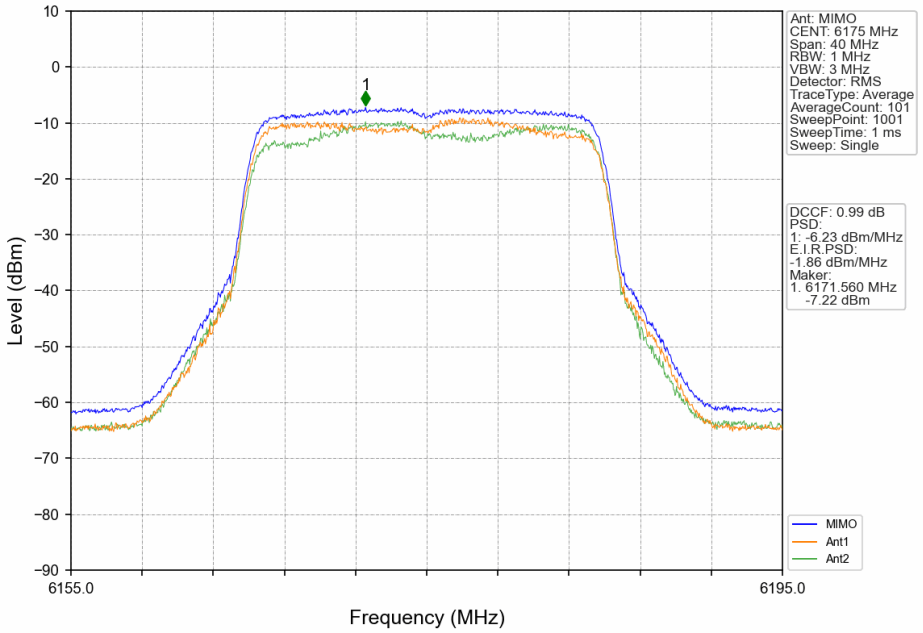


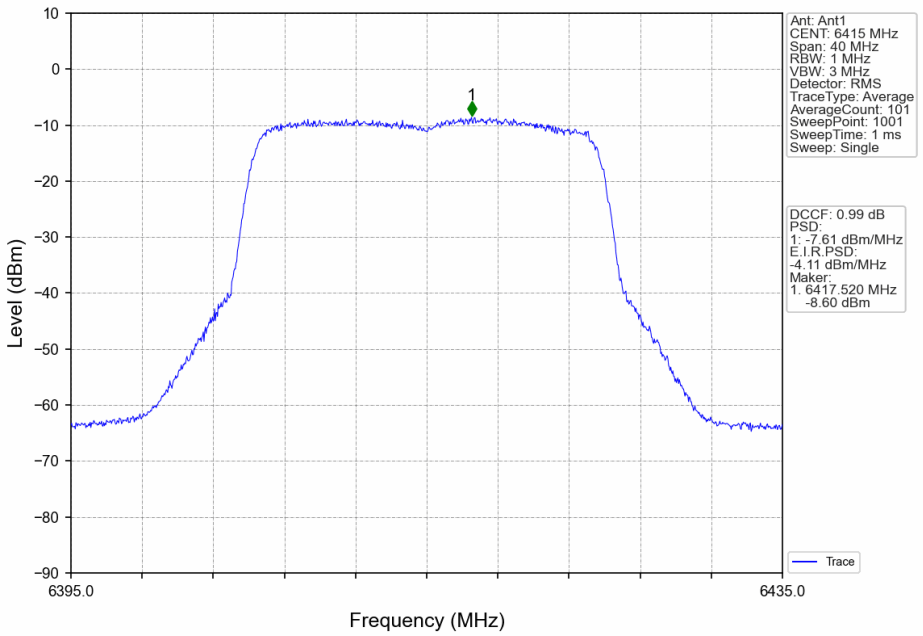
802.11ax(HEW20)_MCH_6175MHz_RU242_Left_Ant2_NTNV



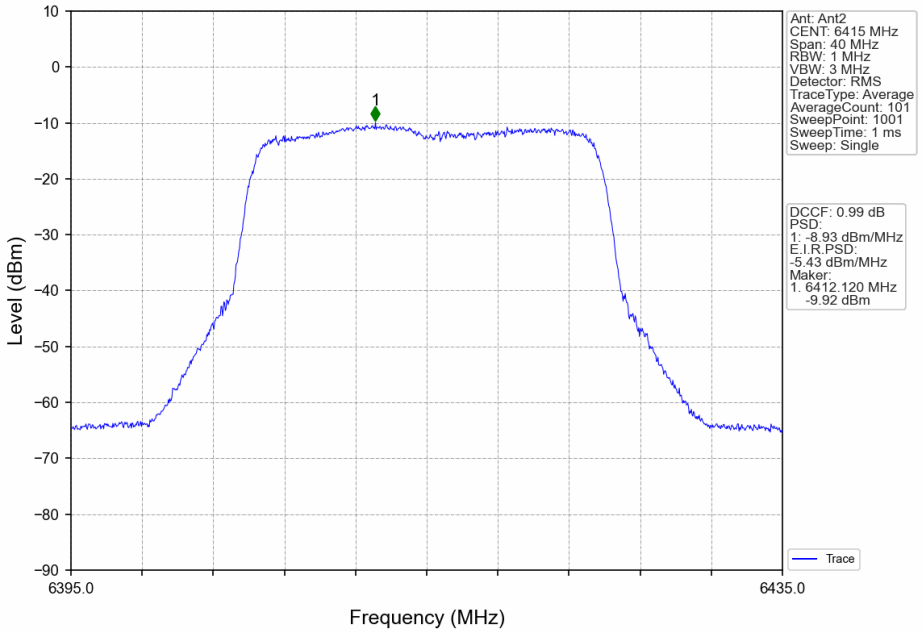
802.11ax(HEW20)_MCH_6175MHz_RU242_Left_MIMO_NTNV



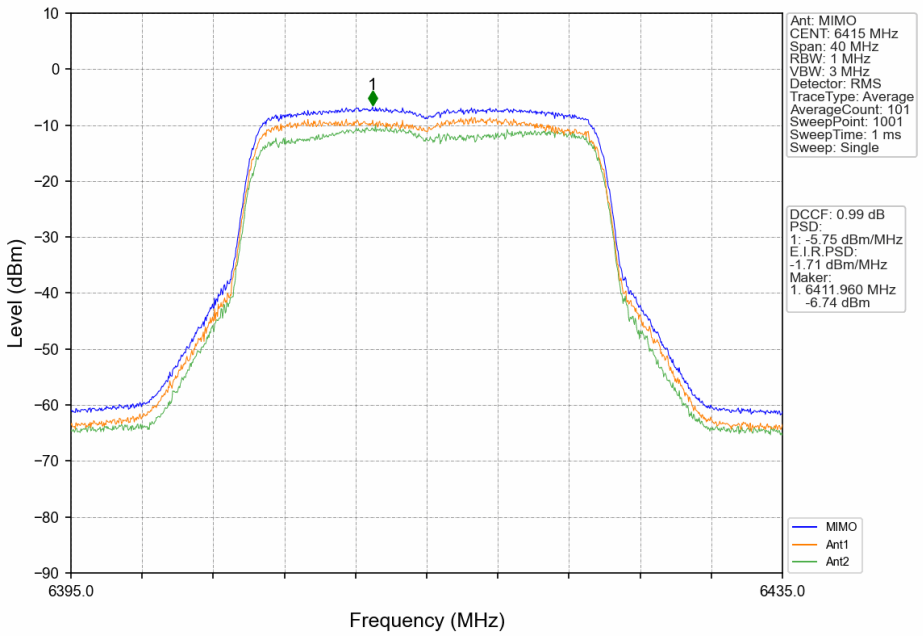
802.11ax(HEW20)_HCH_6415MHz_RU242_Left_Ant1_NTNV



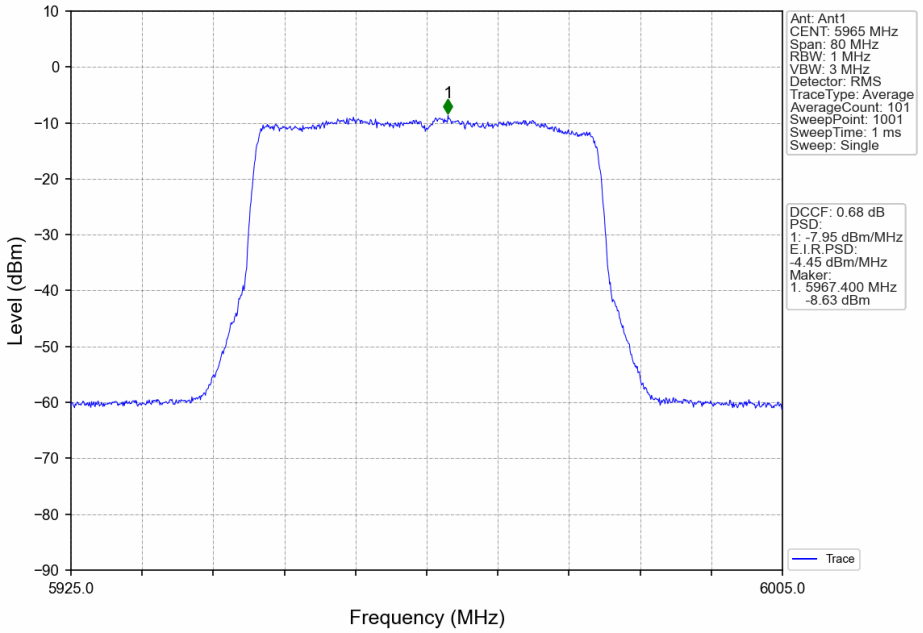
802.11ax(HEW20)_HCH_6415MHz_RU242_Left_Ant2_NTNV



802.11ax(HEW20)_HCH_6415MHz_RU242_Left_MIMO_NTNV



802.11ax(HEW40)_LCH_5965MHz_RU484_Left_Ant1_NTNV



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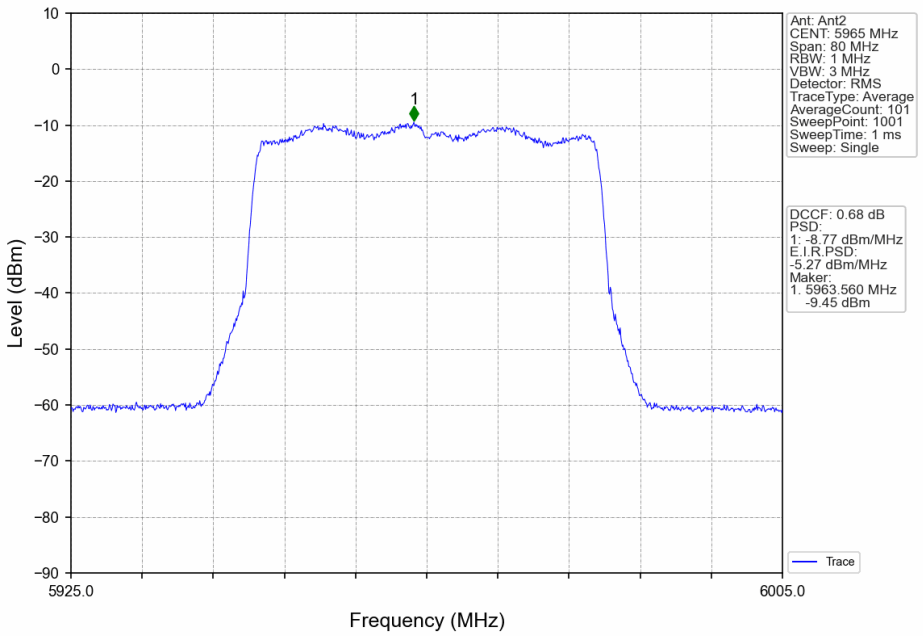
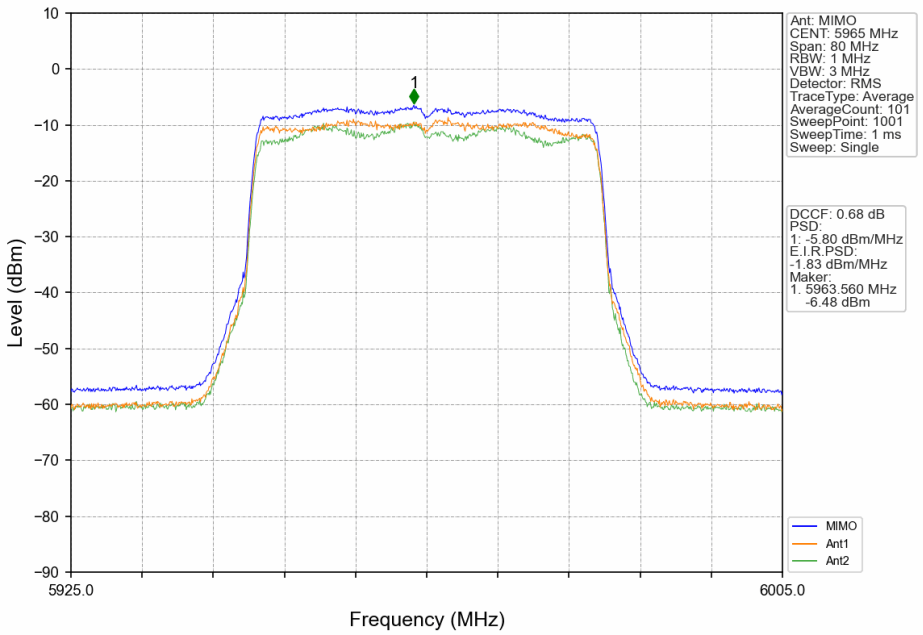
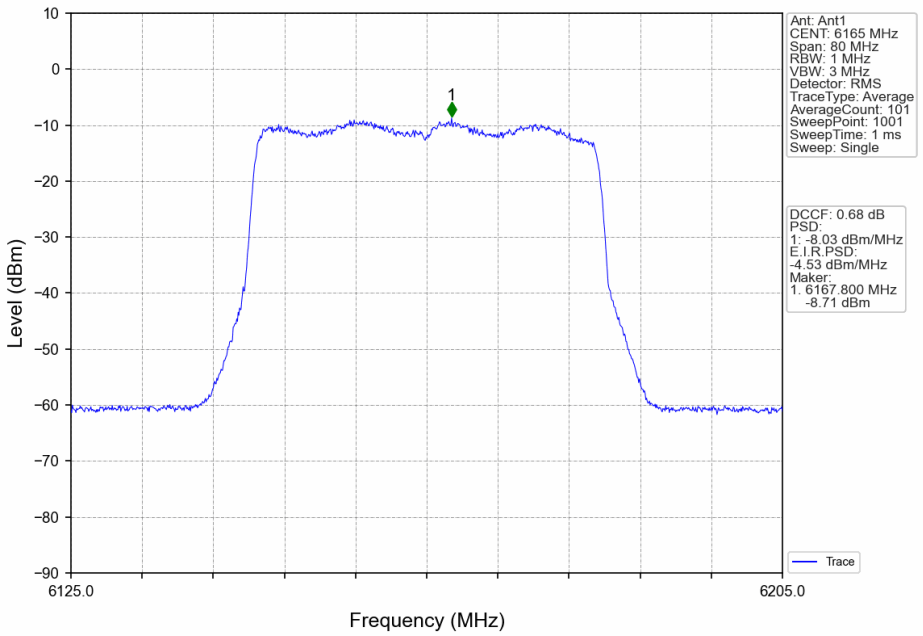


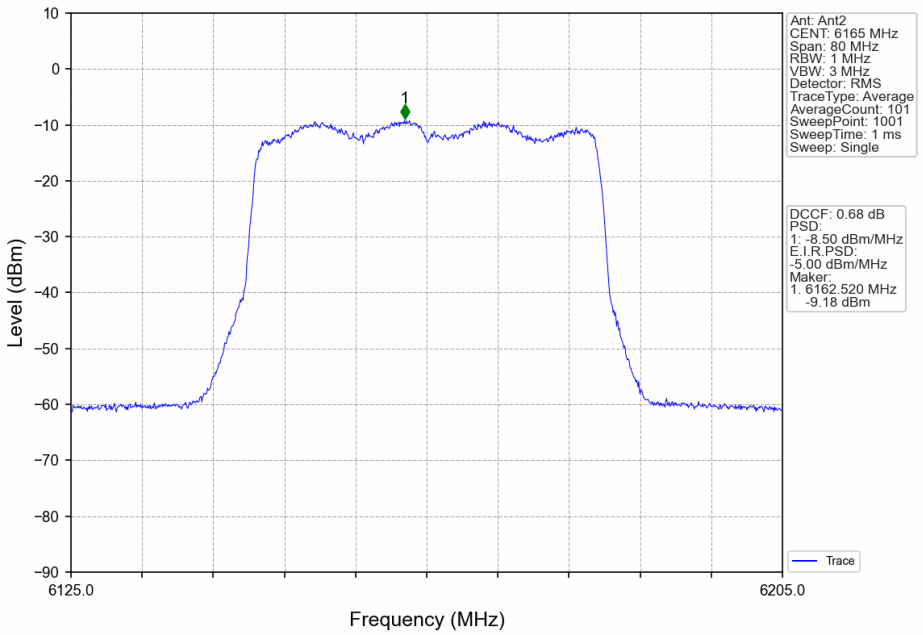
802.11ax(HEW40)_LCH_5965MHz_RU484_Left_MIMO_NTNV



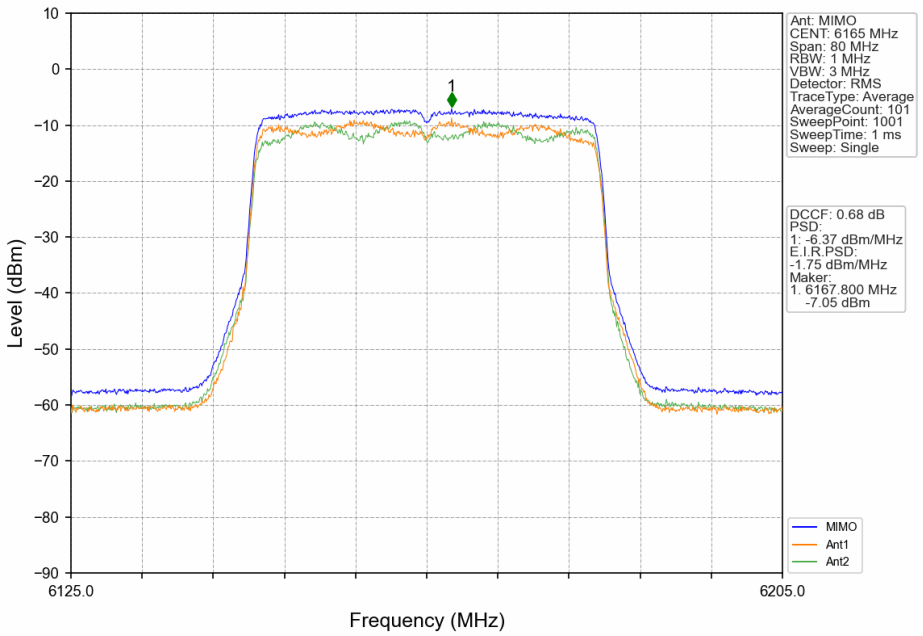
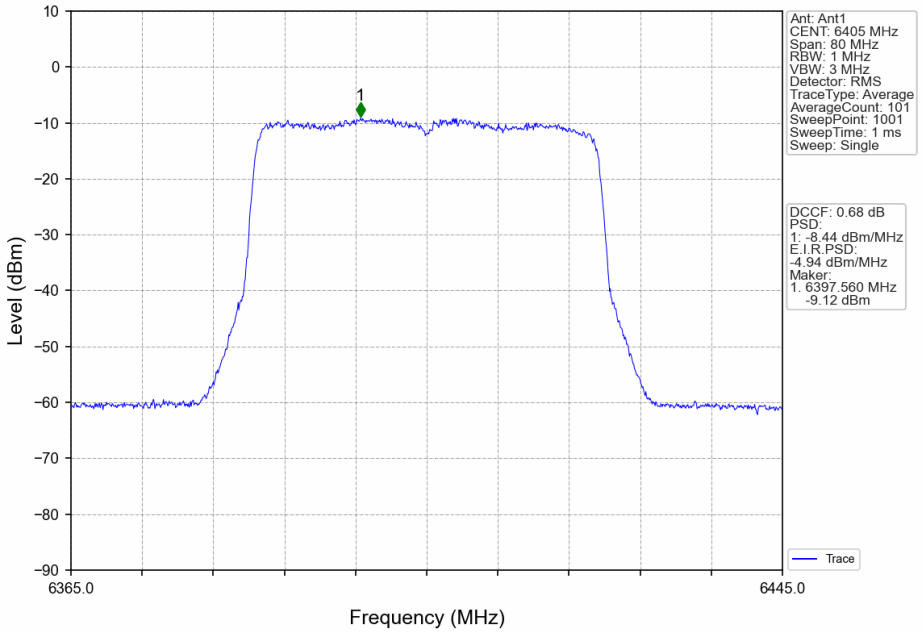
802.11ax(HEW40)_MCH_6165MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_MCH_6165MHz_RU484_Left_Ant2_NTNV



802.11ax(HEW40)_MCH_6165MHz_RU484_Left_MIMO_NTNV



802.11ax(HEW40)_HCH_6405MHz_RU484_Left_Ant1_NTNV