

4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)				Verdict
						ANT1	ANT0	MIMO	Limit	
NTNV	802.11a	MIMO	5955	/	/	0.24	2.01	4.12	/	Pass
			6175	/	/	0.66	2.42	4.50	/	Pass
			6415	/	/	1.63	2.80	4.89	/	Pass
	802.11ax (HEW20)	MIMO	5955	RU242	Left	0.22	1.56	3.65	/	Pass
			6175	RU242	Left	0.24	1.89	3.79	/	Pass
			6415	RU242	Left	1.20	2.63	4.84	/	Pass
	802.11ax (HEW40)	MIMO	5965	RU484	Left	-3.20	-1.62	0.36	/	Pass
			6165	RU484	Left	-3.06	-1.55	0.51	/	Pass
			6405	RU484	Left	-1.86	-1.05	1.37	/	Pass
	802.11ax (HEW80)	MIMO	5985	RU996	Left	-5.84	-4.76	-2.41	/	Pass
			6145	RU996	Left	-5.82	-4.75	-2.47	/	Pass
			6385	RU996	Left	-4.98	-3.87	-1.61	/	Pass
	802.11ax (HEW160)	MIMO	6025	2xRU996	Left	-9.01	-7.91	-5.74	/	Pass
			6185	2xRU996	Left	-9.40	-7.85	-5.77	/	Pass
			6345	2xRU996	Left	-8.23	-7.25	-5.06	/	Pass

4.1.2 E.I.R.PSD

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)		Gain (dBi)		Maximum E.I.R.PSD (dBm/MHz)				Verdict
						ANT1	ANT0	ANT1	ANT0	ANT1	ANT0	MIMO	Limit	
NTNV	802.11a	MIMO	5955	/	/	0.24	2.01	1.4	0.75	1.64	2.76	5.25	<=17	Pass
			6175	/	/	0.66	2.42	1.4	0.75	2.06	3.17	5.66	<=17	Pass
			6415	/	/	1.63	2.80	1.4	0.75	3.03	3.55	6.31	<=17	Pass
	802.11ax (HEW20)	MIMO	5955	RU242	Left	0.22	1.56	1.4	0.75	1.62	2.31	4.99	<=17	Pass
			6175	RU242	Left	0.24	1.89	1.4	0.75	1.64	2.64	5.18	<=17	Pass
			6415	RU242	Left	1.20	2.63	1.4	0.75	2.60	3.38	6.02	<=17	Pass
	802.11ax (HEW40)	MIMO	5965	RU484	Left	-3.20	-1.62	1.4	0.75	-1.80	-0.87	1.70	<=17	Pass
			6165	RU484	Left	-3.06	-1.55	1.4	0.75	-1.66	-0.80	1.80	<=17	Pass
			6405	RU484	Left	-1.86	-1.05	1.4	0.75	-0.46	-0.30	2.63	<=17	Pass
	802.11ax (HEW80)	MIMO	5985	RU996	Left	-5.84	-4.76	1.4	0.75	-4.44	-4.01	-1.21	<=17	Pass
			6145	RU996	Left	-5.82	-4.75	1.4	0.75	-4.42	-4.00	-1.19	<=17	Pass
			6385	RU996	Left	-4.98	-3.87	1.4	0.75	-3.58	-3.12	-0.33	<=17	Pass
	802.11ax (HEW160)	MIMO	6025	2xRU996	Left	-9.01	-7.91	1.4	0.75	-7.61	-7.16	-4.37	<=17	Pass
			6185	2xRU996	Left	-9.40	-7.85	1.4	0.75	-8.00	-7.10	-4.52	<=17	Pass
			6345	2xRU996	Left	-8.23	-7.25	1.4	0.75	-6.83	-6.50	-3.65	<=17	Pass

4.1.3 PSD

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)				Verdict
						ANT1	ANT0	MIMO	Limit	
NTNV	802.11a	MIMO	6535	/	/	1.51	3.23	4.98	/	Pass
			6695	/	/	1.77	2.65	4.99	/	Pass

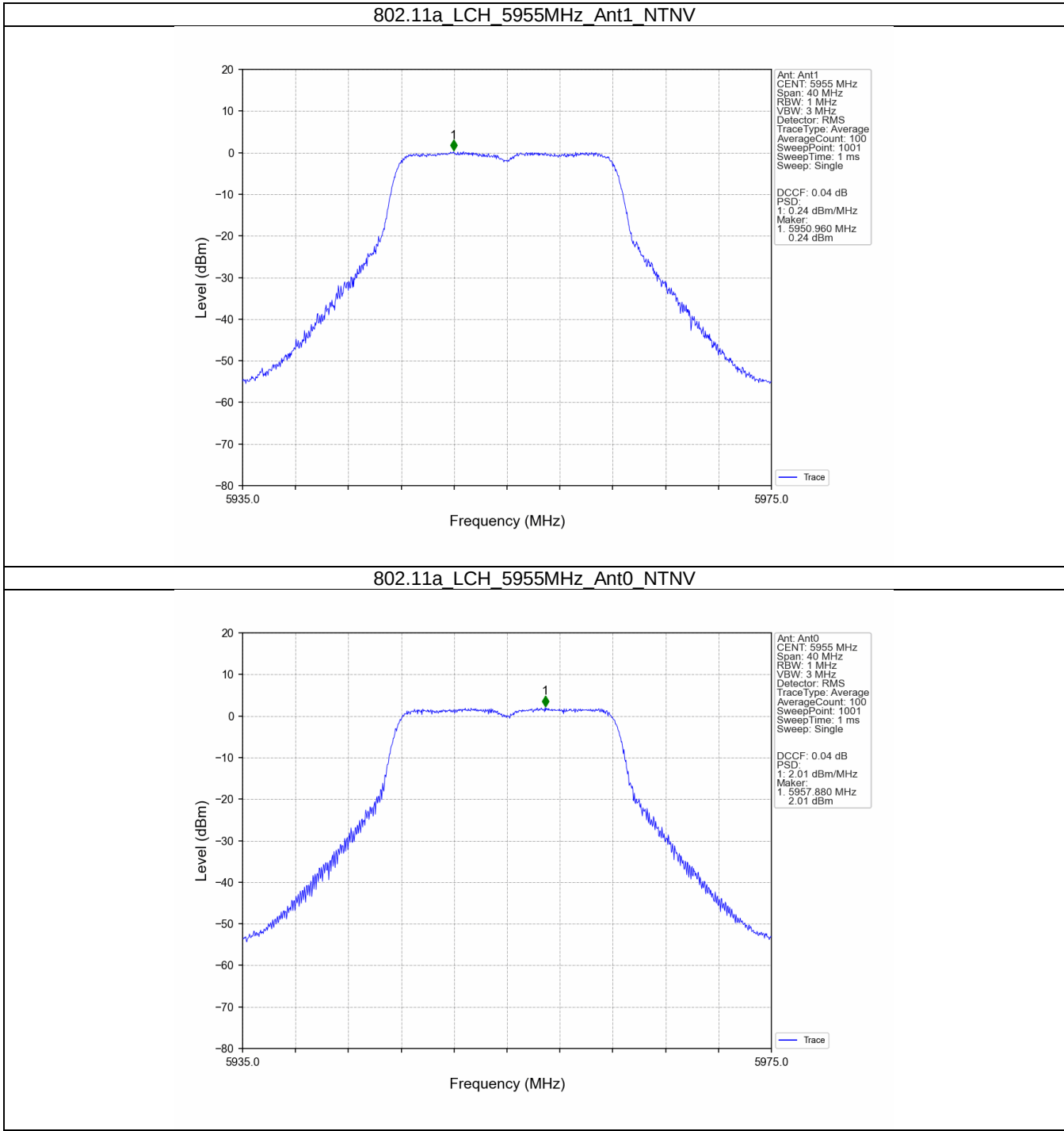
	802.11ax (HEW20)	MIMO	6855	/	/	1.73	1.27	4.34	/	Pass
			6535	RU242	Left	1.01	2.53	4.57	/	Pass
			6695	RU242	Left	0.87	1.66	4.27	/	Pass
	802.11ax (HEW40)	MIMO	6855	RU242	Left	1.20	1.36	4.06	/	Pass
			6565	RU484	Left	-1.77	-1.80	0.96	/	Pass
			6685	RU484	Left	-2.20	-1.37	0.88	/	Pass
			6845	RU484	Left	-1.81	-2.37	0.66	/	Pass
	802.11ax (HEW80)	MIMO	6625	RU996	Left	-5.27	-4.51	-2.20	/	Pass
			6705	RU996	Left	-4.70	-3.95	-1.51	/	Pass
			6785	RU996	Left	-5.02	-4.06	-1.81	/	Pass
	802.11ax (HEW160)	MIMO	6665	2xRU996	Left	-8.30	-7.44	-5.31	/	Pass

4.1.4 E.I.R.PSD

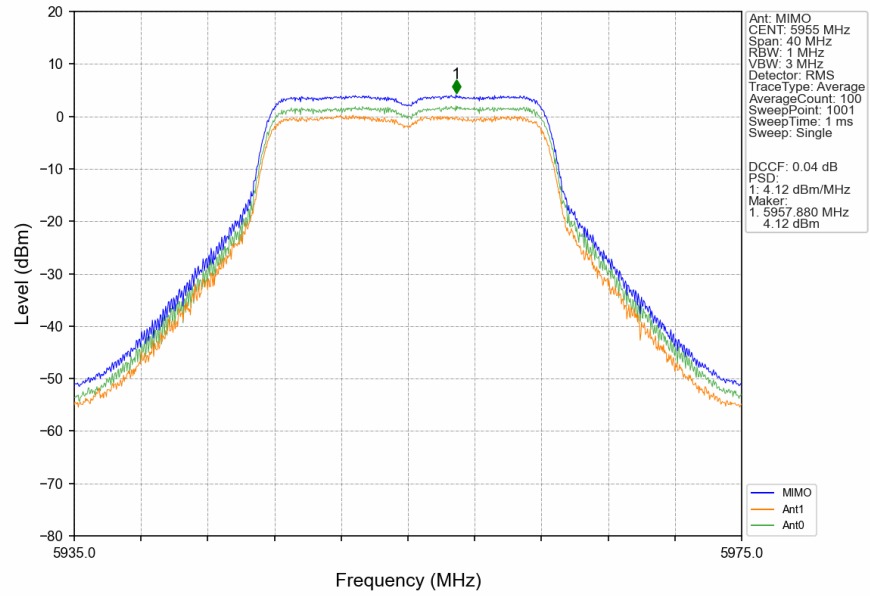
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)		Gain (dBi)		Maximum E.I.R.PSD (dBm/MHz)				Verdict
						ANT1	ANT0	ANT1	ANT0	ANT1	ANT0	MIMO	Limit	
NTNV	802.11a	MIMO	6535	/	/	1.51	3.23	0.9	0.92	2.41	4.15	6.38	<=17	Pass
			6695	/	/	1.77	2.65	0.9	0.92	2.67	3.57	6.15	<=17	Pass
			6855	/	/	1.73	1.27	0.9	0.92	2.63	2.19	5.43	<=17	Pass
	802.11ax (HEW20)	MIMO	6535	RU242	Left	1.01	2.53	0.9	0.92	1.91	3.45	5.76	<=17	Pass
			6695	RU242	Left	0.87	1.66	0.9	0.92	1.77	2.58	5.20	<=17	Pass
			6855	RU242	Left	1.20	1.36	0.9	0.92	2.10	2.28	5.20	<=17	Pass
	802.11ax (HEW40)	MIMO	6565	RU484	Left	-1.77	-1.80	0.9	0.92	-0.87	-0.88	2.14	<=17	Pass
			6685	RU484	Left	-2.20	-1.37	0.9	0.92	-1.30	-0.45	2.16	<=17	Pass
			6845	RU484	Left	-1.81	-2.37	0.9	0.92	-0.91	-1.45	1.84	<=17	Pass
	802.11ax (HEW80)	MIMO	6625	RU996	Left	-5.27	-4.51	0.9	0.92	-4.37	-3.59	-0.95	<=17	Pass
			6705	RU996	Left	-4.70	-3.95	0.9	0.92	-3.80	-3.03	-0.39	<=17	Pass
			6785	RU996	Left	-5.02	-4.06	0.9	0.92	-4.12	-3.14	-0.59	<=17	Pass
	802.11ax (HEW160)	MIMO	6665	2xRU996	Left	-8.30	-7.44	0.9	0.92	-7.40	-6.52	-3.93	<=17	Pass

4.2 Test Graph

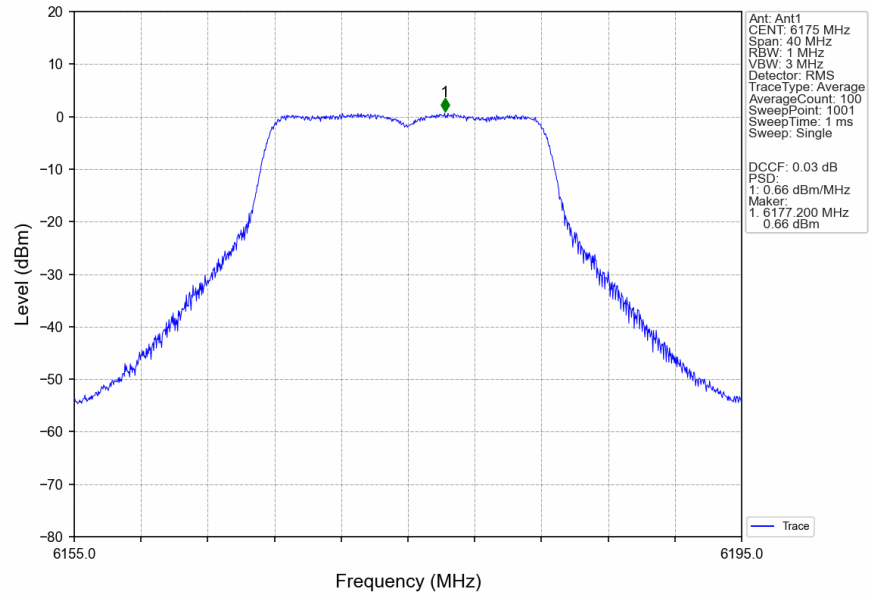
4.2.1 PSD



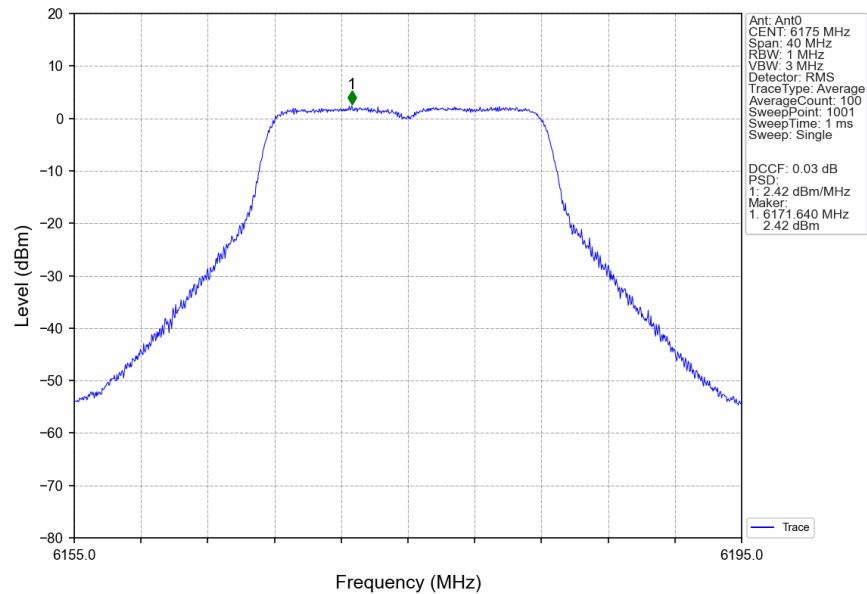
802.11a LCH 5955MHz MIMO NTN



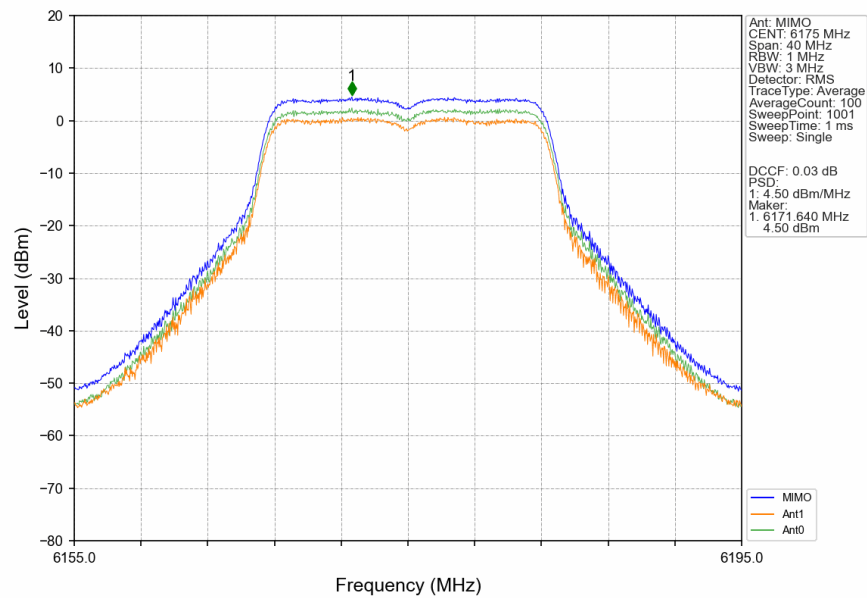
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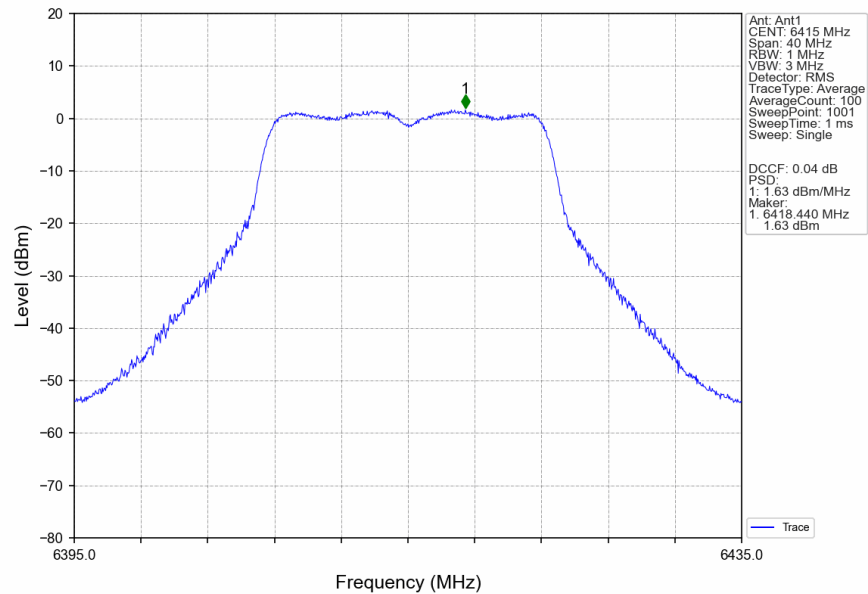
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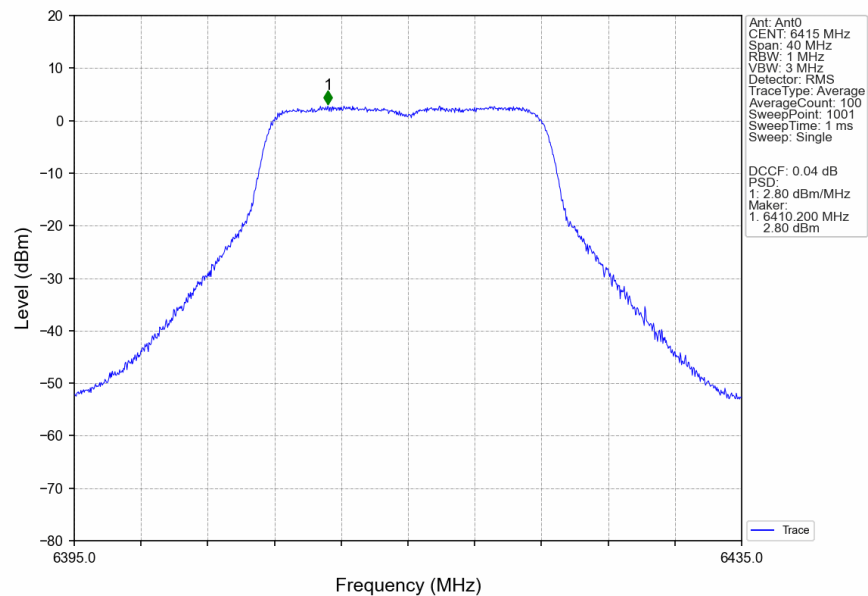
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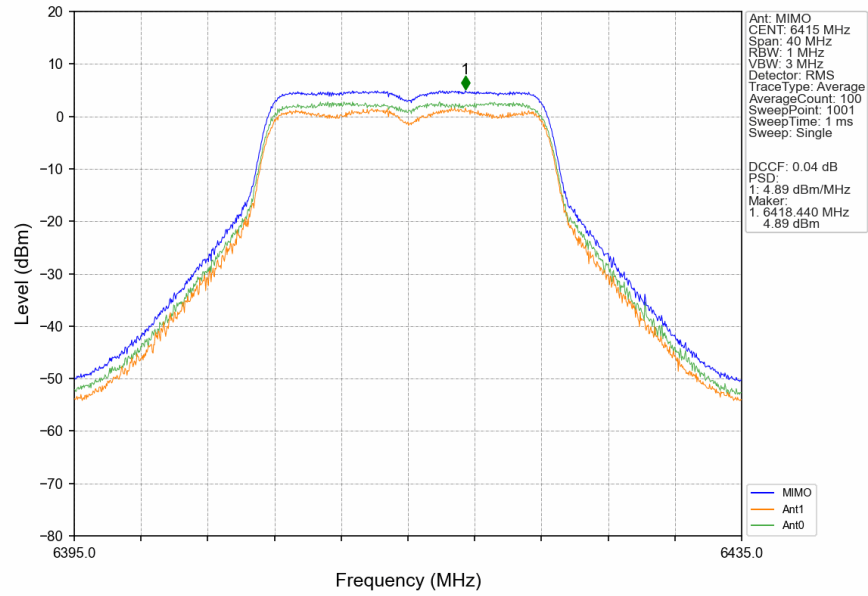
802.11a HCH 6415MHz Ant1 NTN



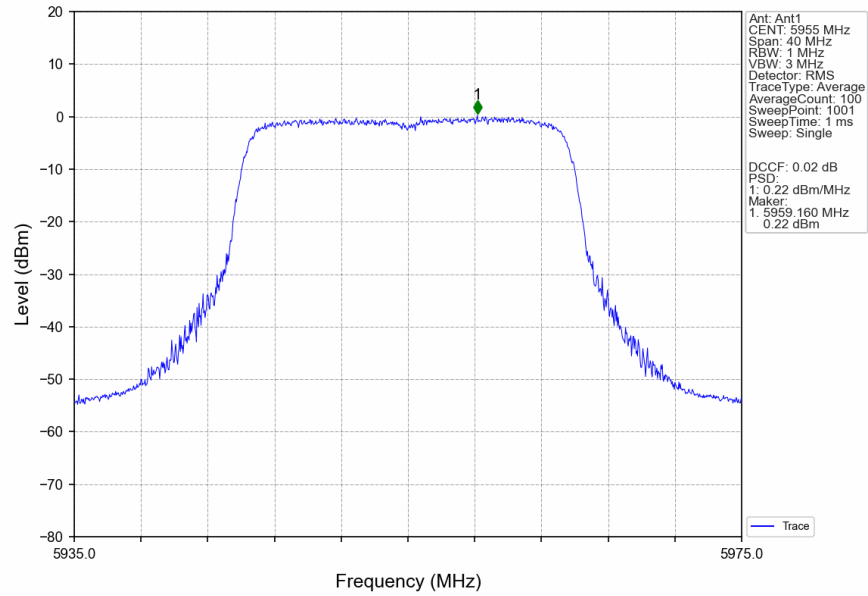
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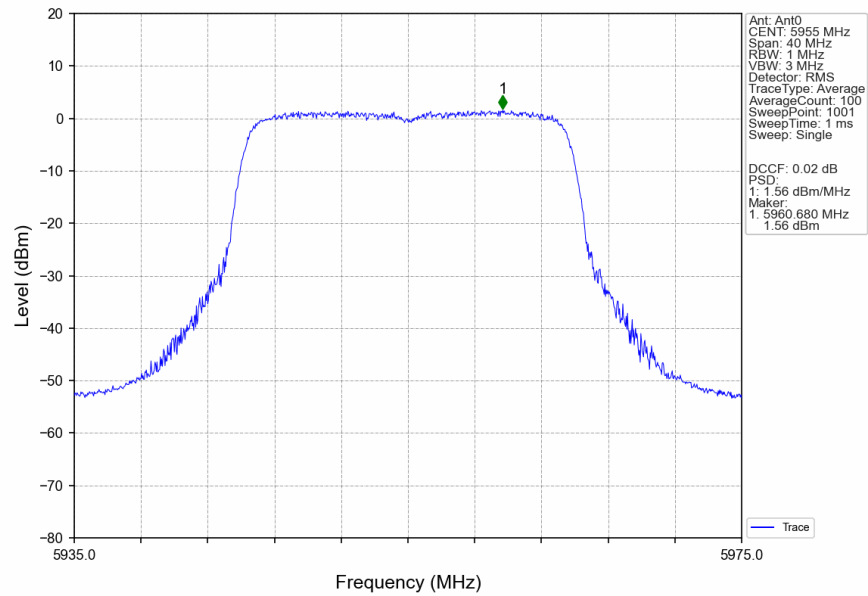
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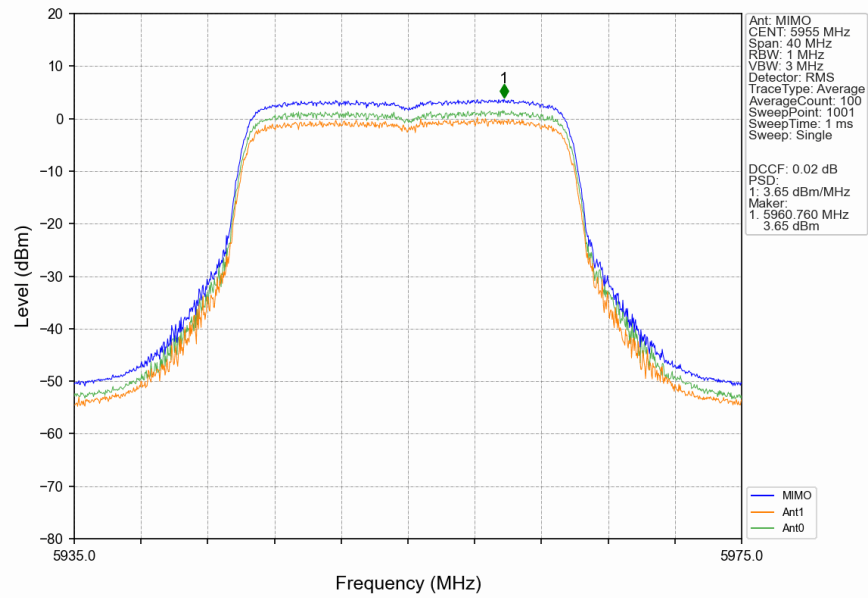
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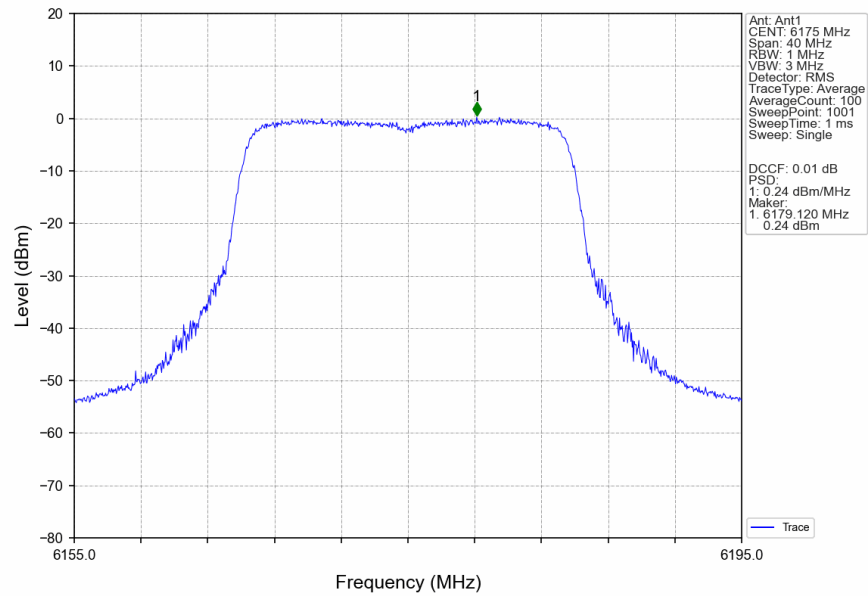
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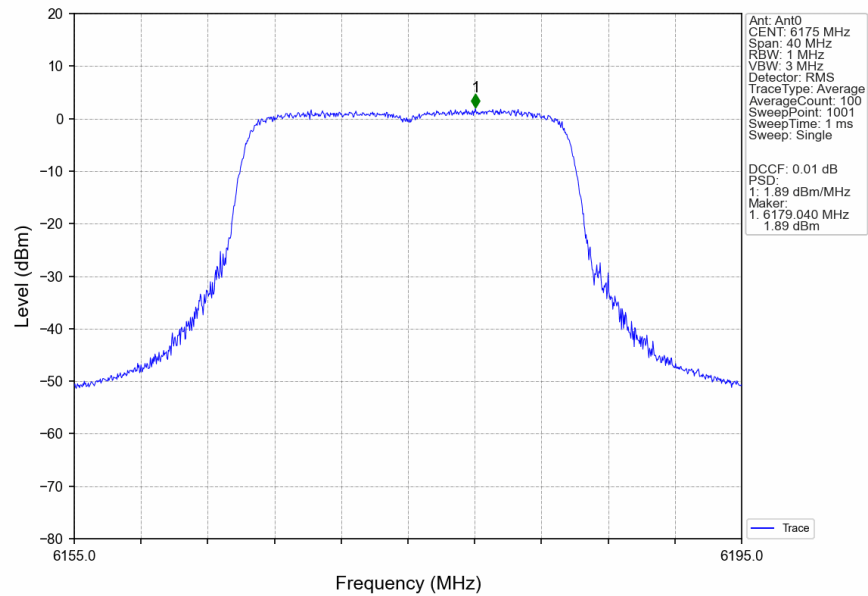
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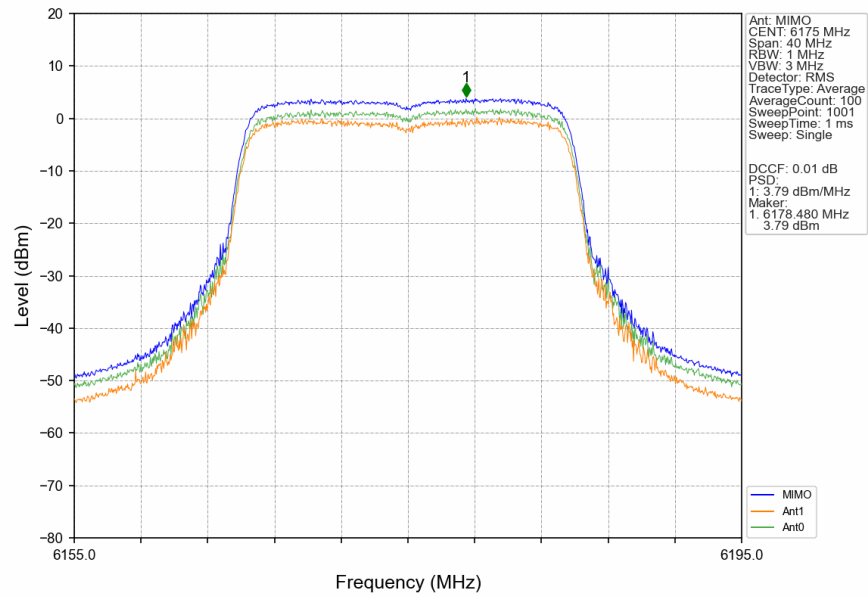
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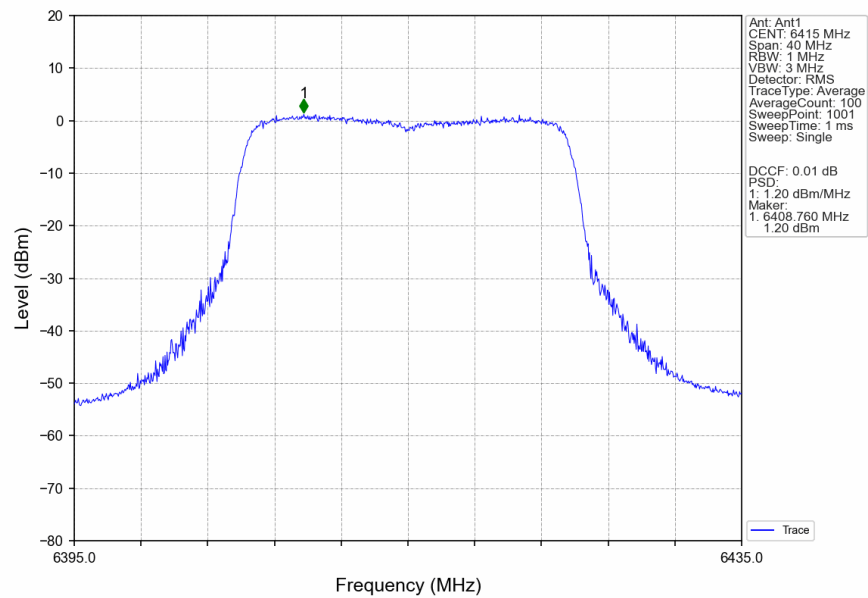
802.11ax(HEW20) MCH 6175MHz RU242 Left Ant0 NTN



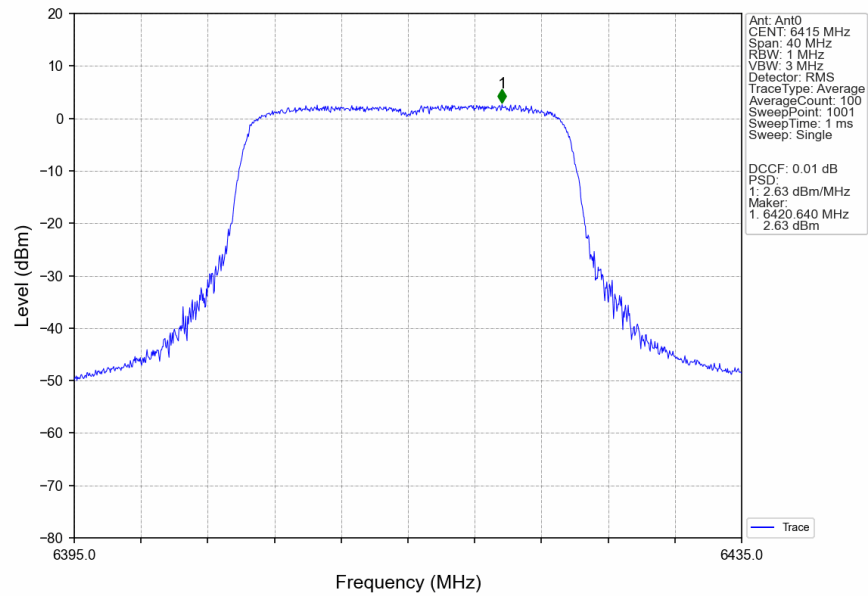
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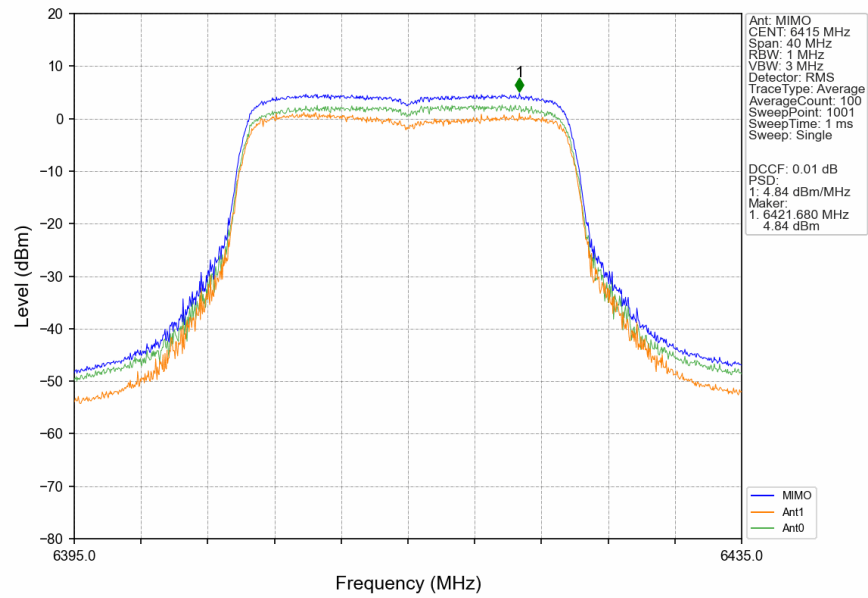
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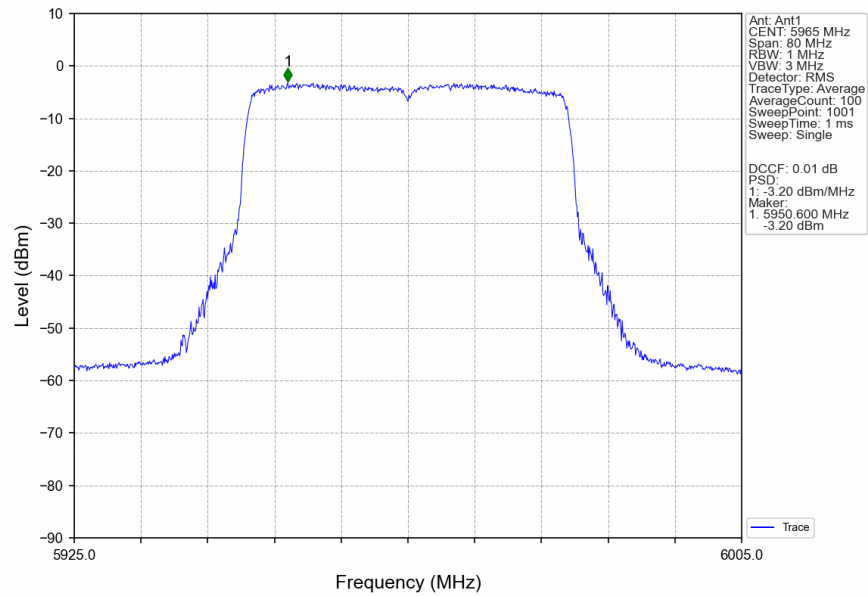
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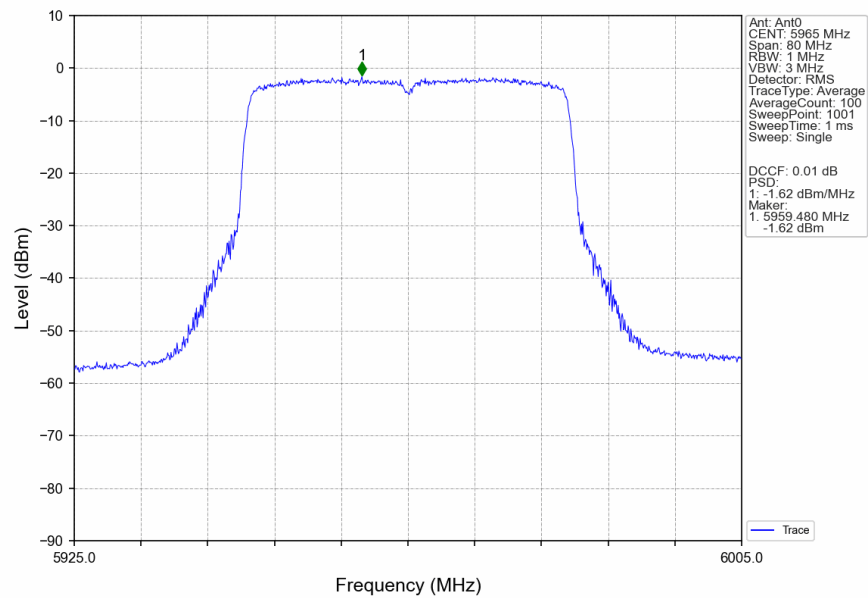
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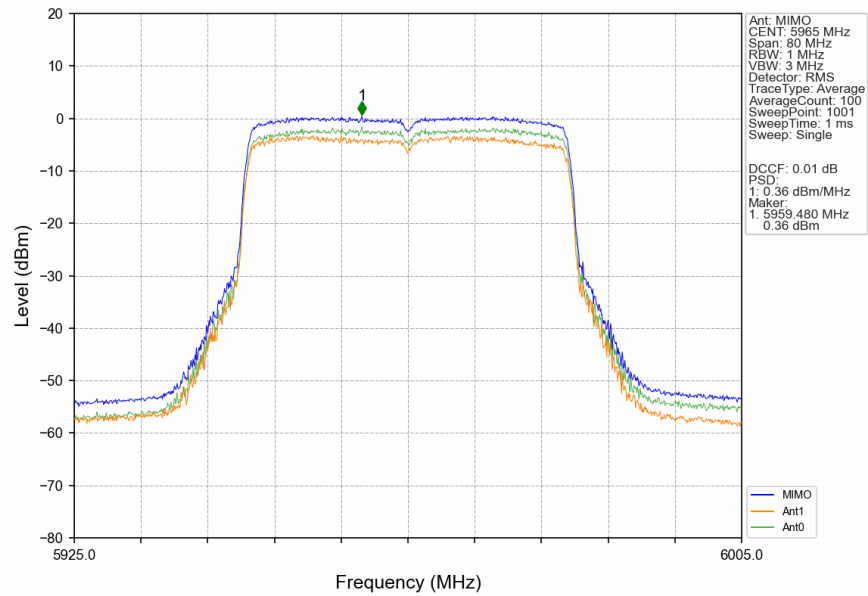
802.11ax(HEW40)_LCH_5965MHz_RU484_Left_Ant1_NTNV



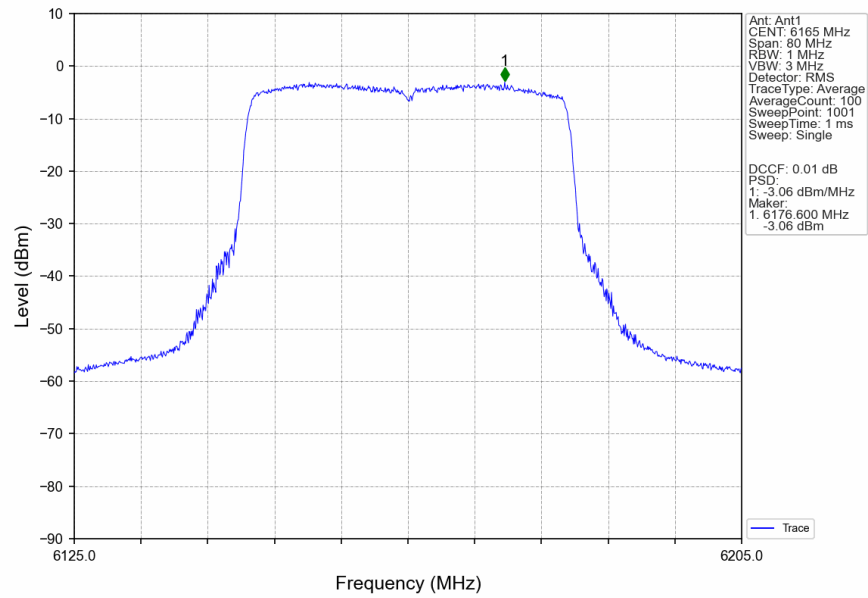
802.11ax(HEW40)_LCH_5965MHz_RU484_Left_Ant0_NTNV



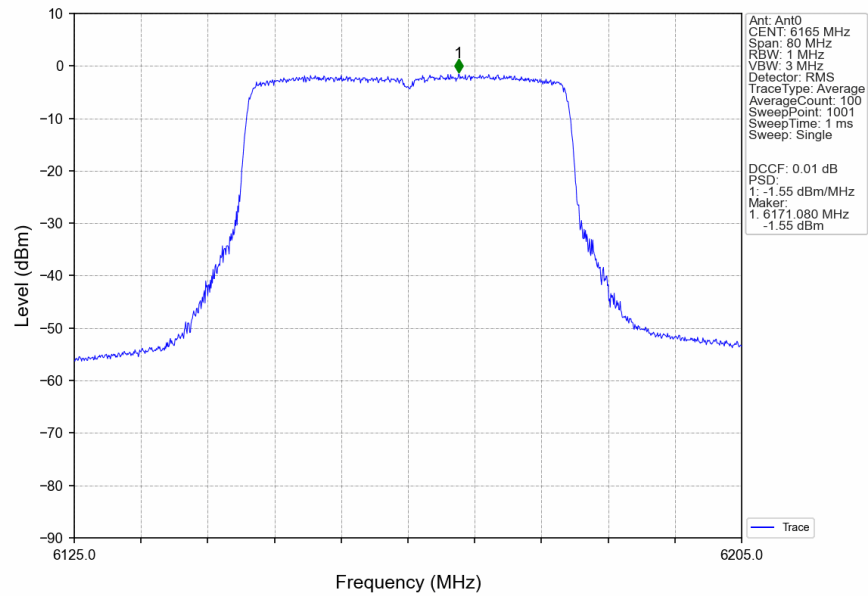
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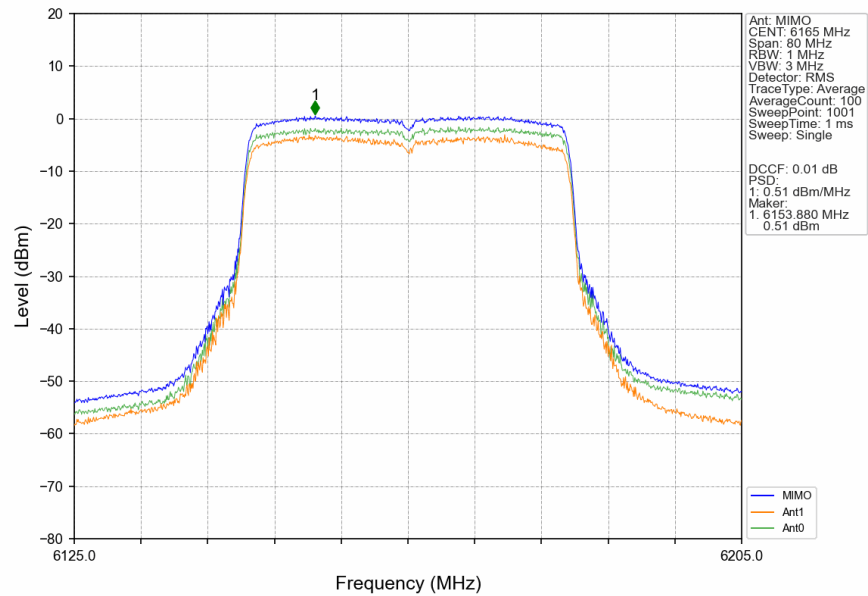
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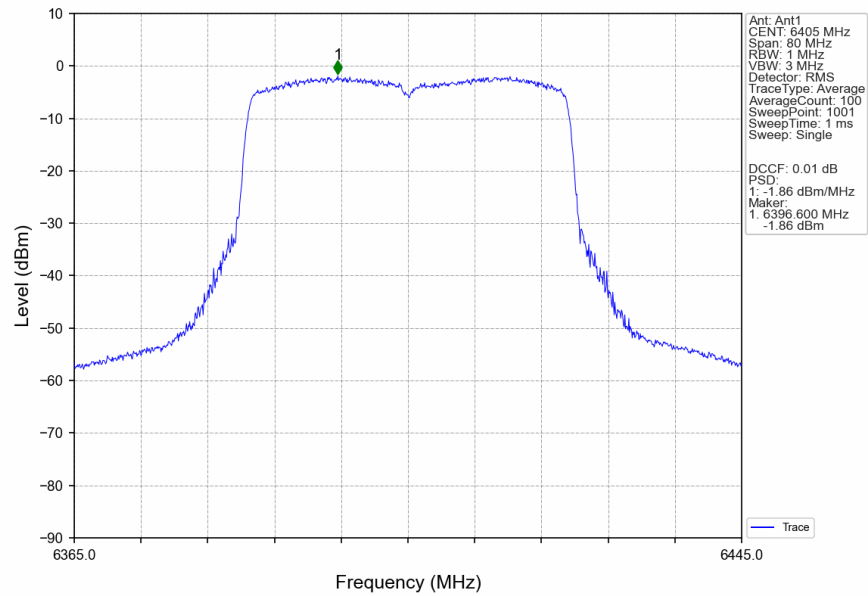
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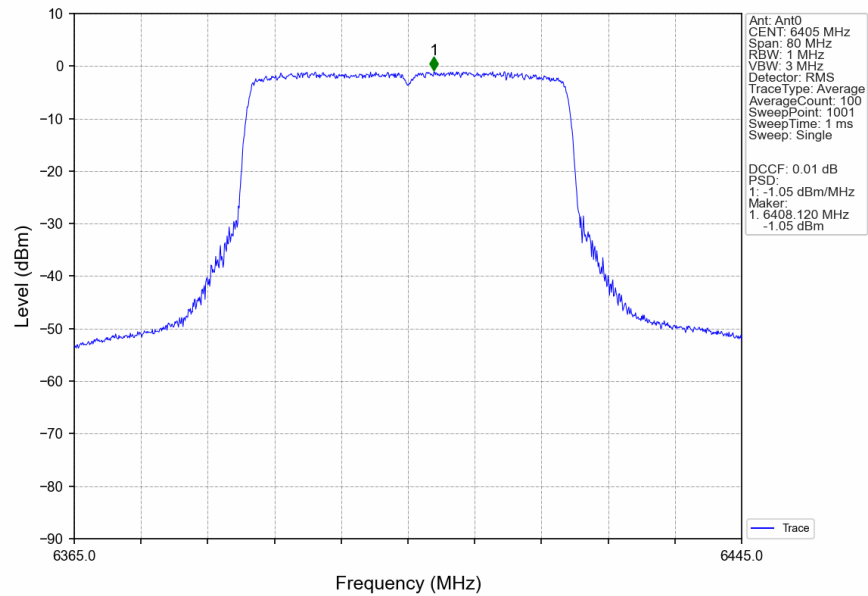
802.11ax(HEW40) MCH 6165MHz RU484 Left MIMO NTN



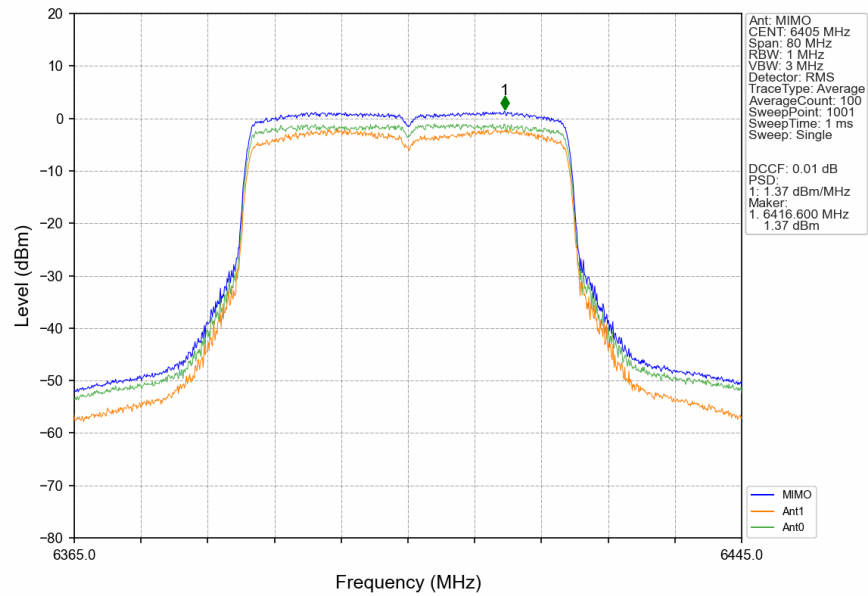
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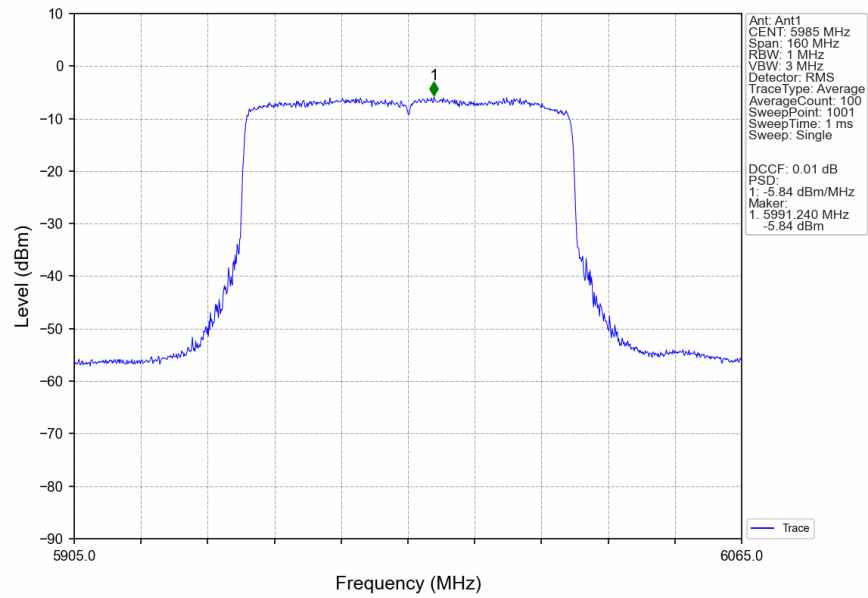
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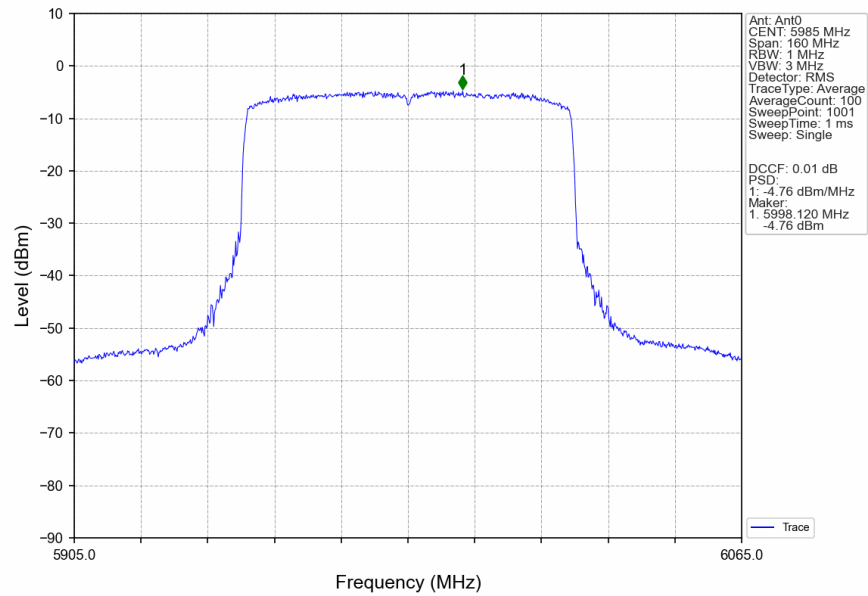
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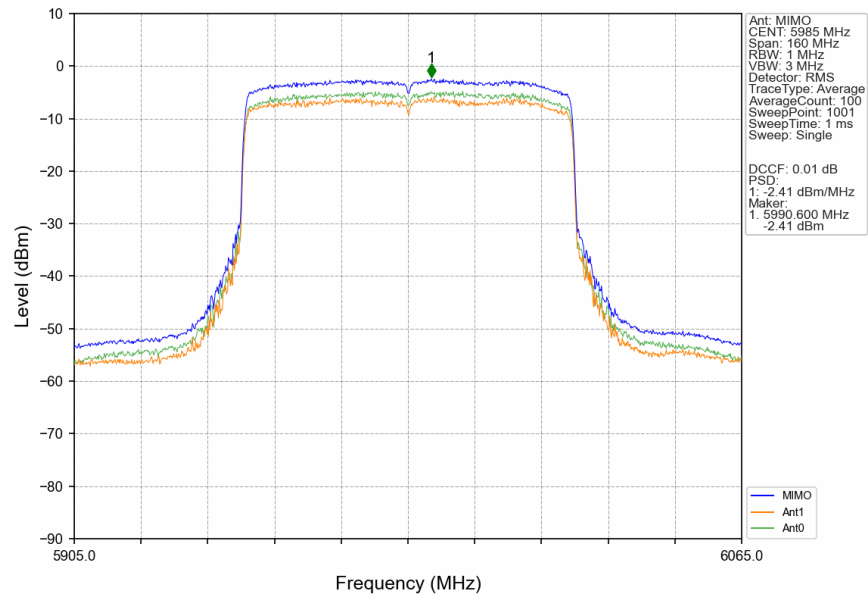
802.11ax(HEW80)_LCH_5985MHz_RU996_Left_Ant1 NTN



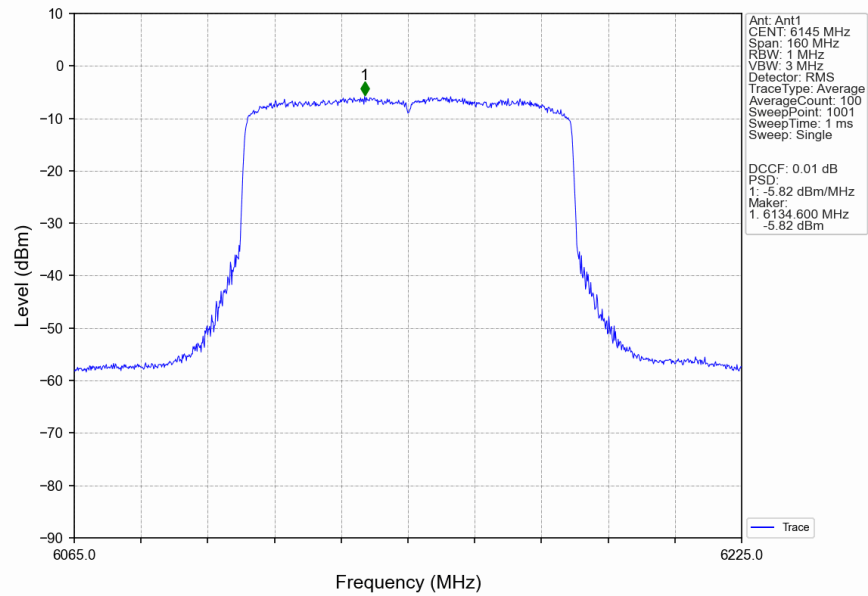
802.11ax(HEW80) LCH 5985MHz RU996 Left Ant0 NTN



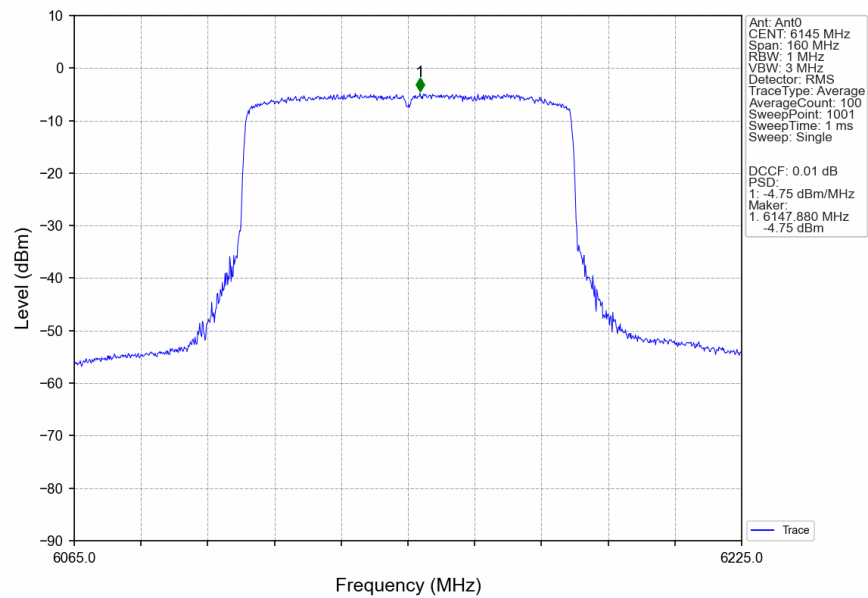
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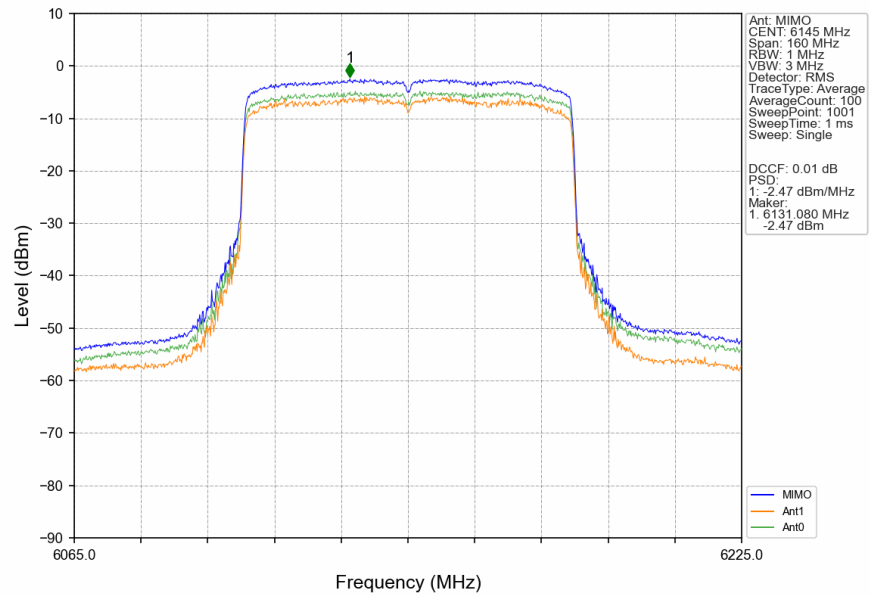
802.11ax(HEW80)_MCH_6145MHz_RU996_Left_Ant1_NTNV



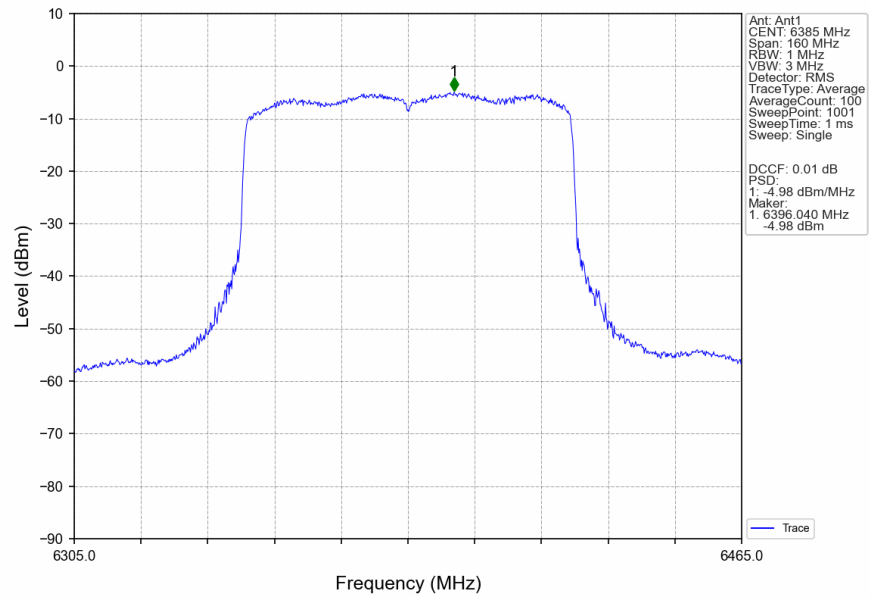
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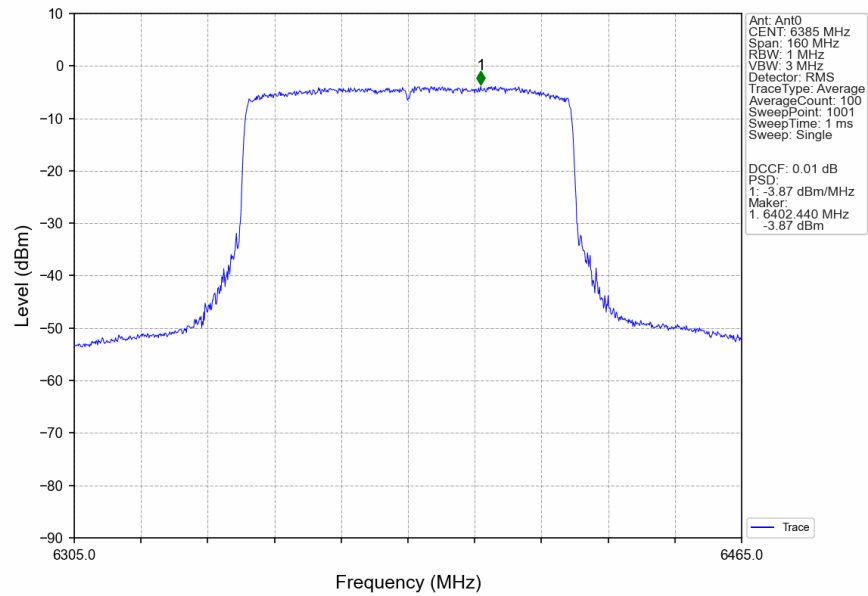
802.11ax(HEW80) MCH 6145MHz RU996 Left MIMO NTN



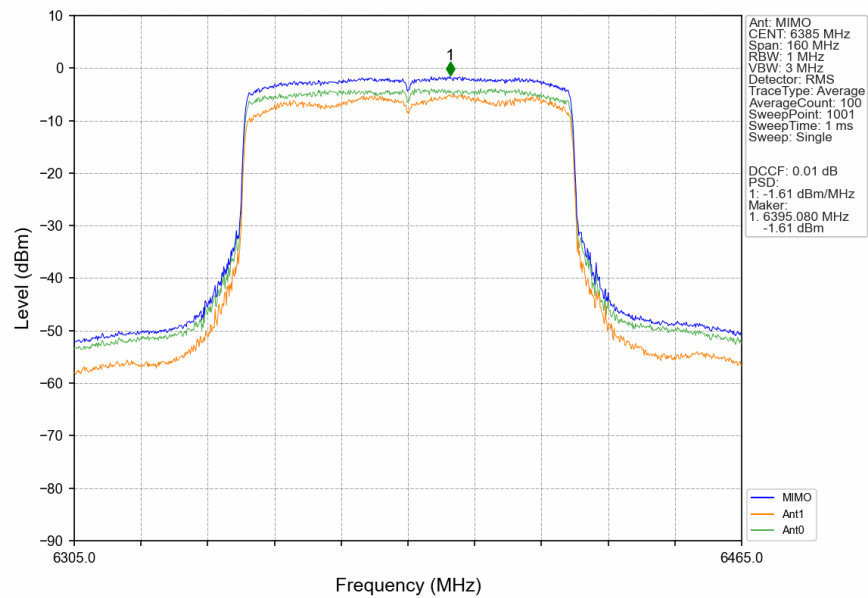
802.11ax(HEW80) HCH 6385MHz RU996 Left Ant1 NTN



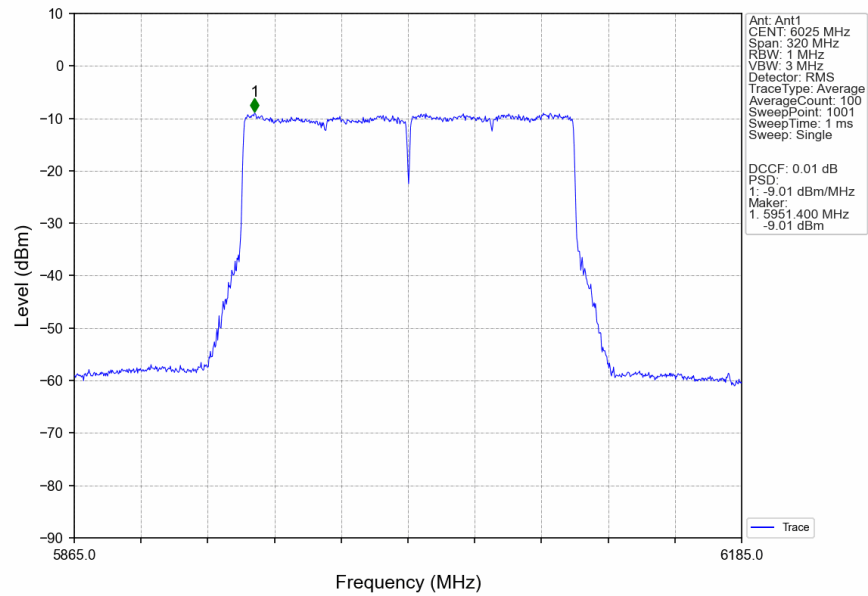
802.11ax(HEW80) HCH 6385MHz RU996 Left Ant0 NTN



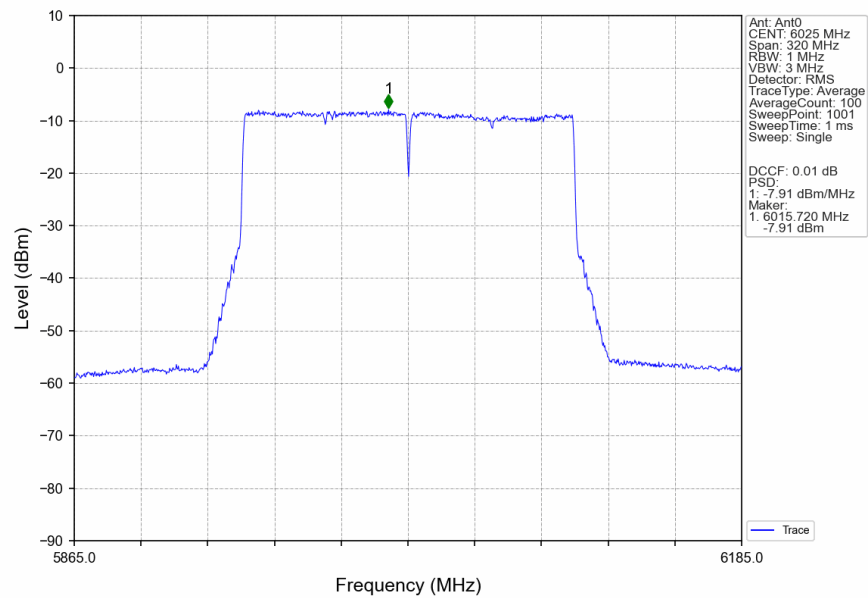
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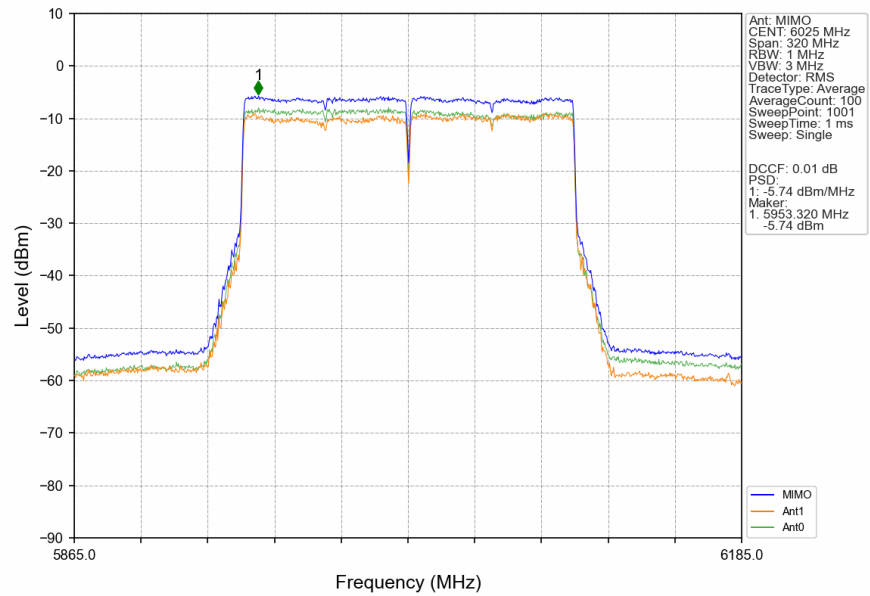
802.11ax(HEW160) LCH 6025MHz 2xRU996 Left Ant1 NTVN



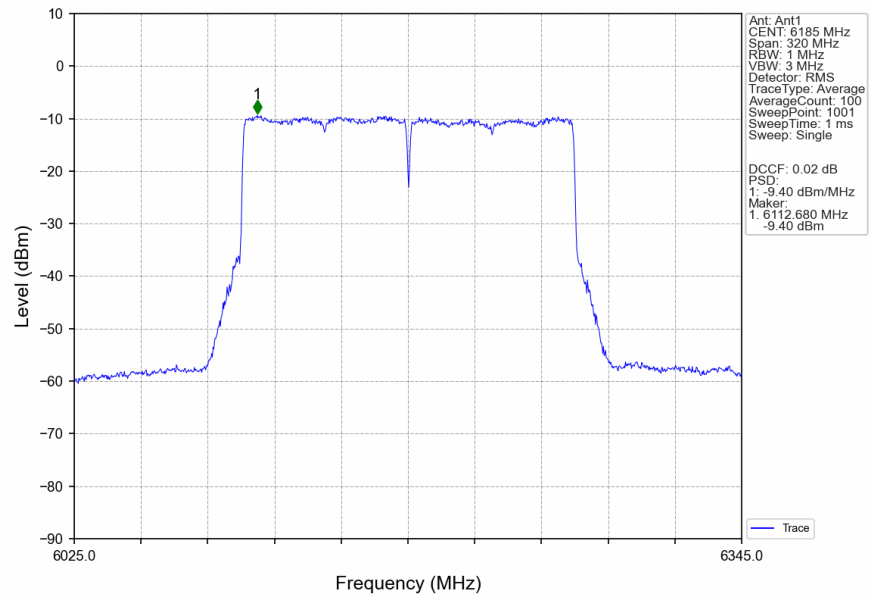
802.11ax(HEW160) LCH 6025MHz 2xRU996 Left Ant0 NTVN



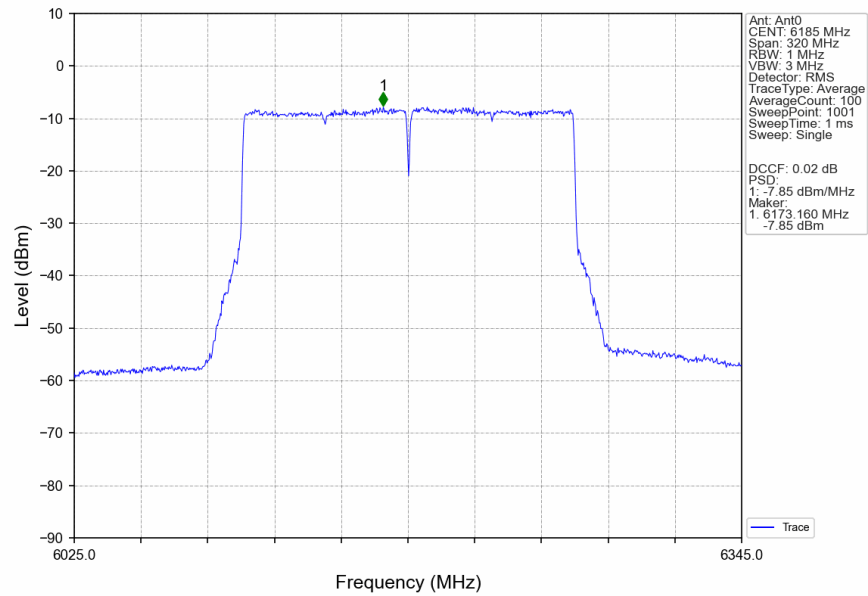
802.11ax(HEW160) LCH 6025MHz 2xRU996 Left MIMO NTN



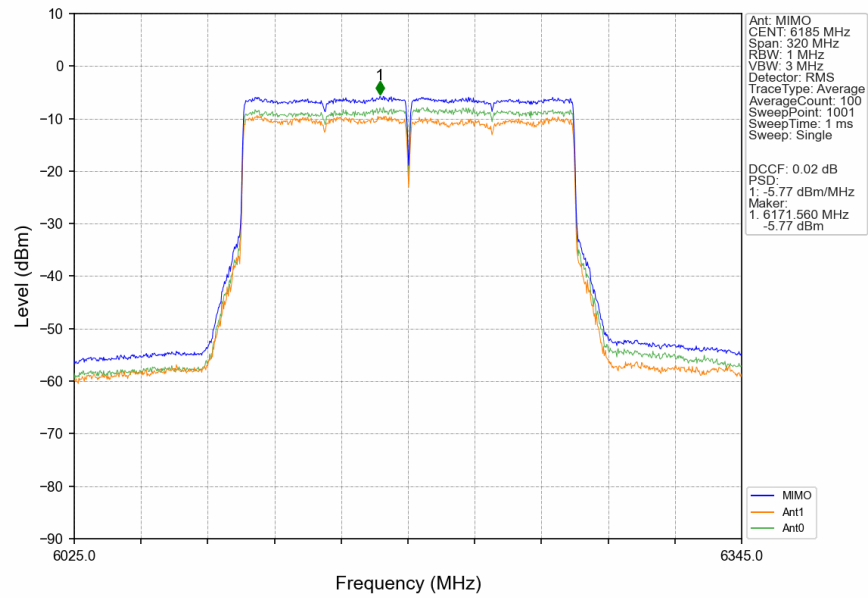
802.11ax(HEW160) MCH 6185MHz 2xRU996 Left Ant1 NTN



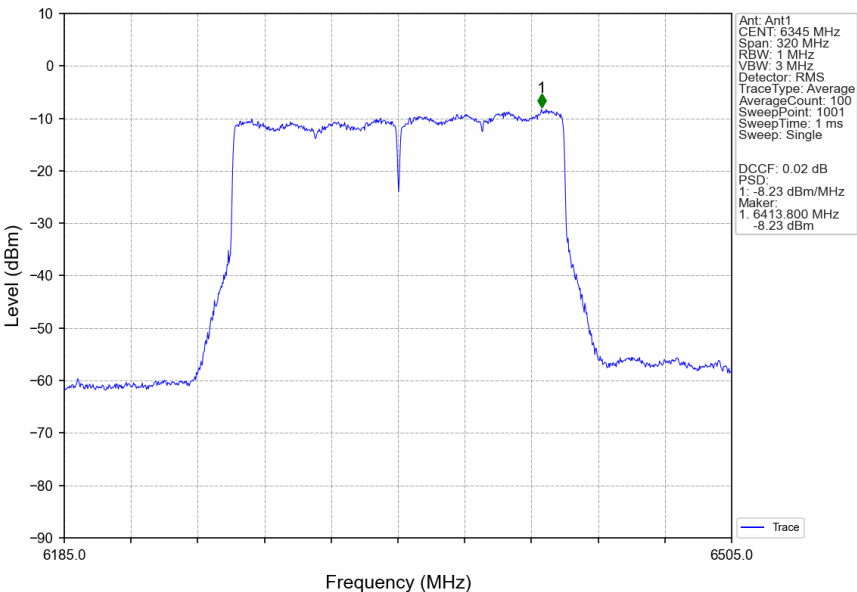
802.11ax(HEW160) MCH 6185MHz 2xRU996 Left Ant0 NTN



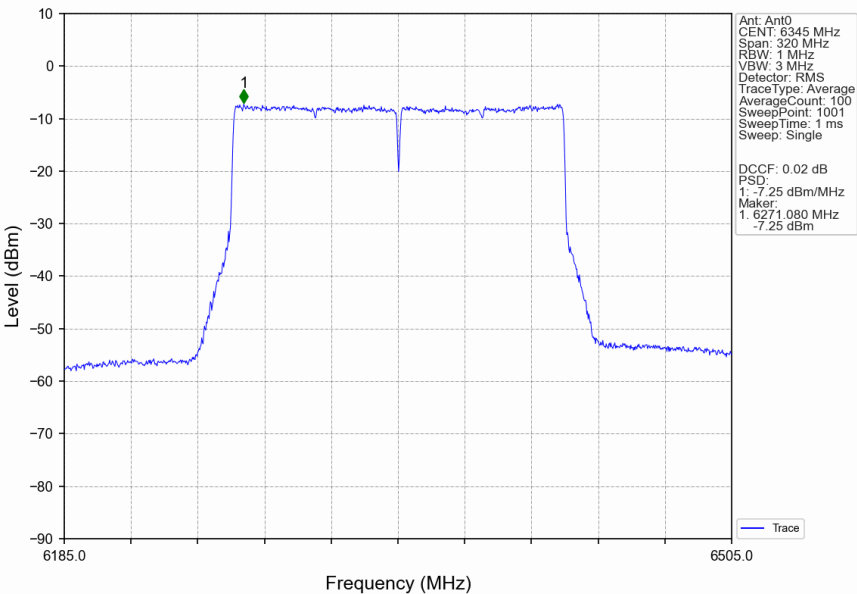
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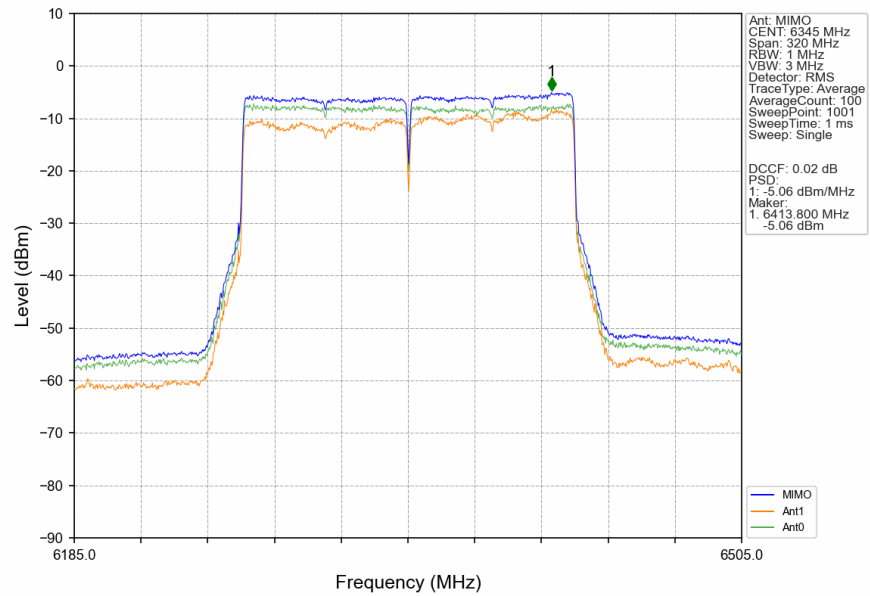
802.11ax(HEW160) HCH 6345MHz 2xRU996 Left Ant1 NTN



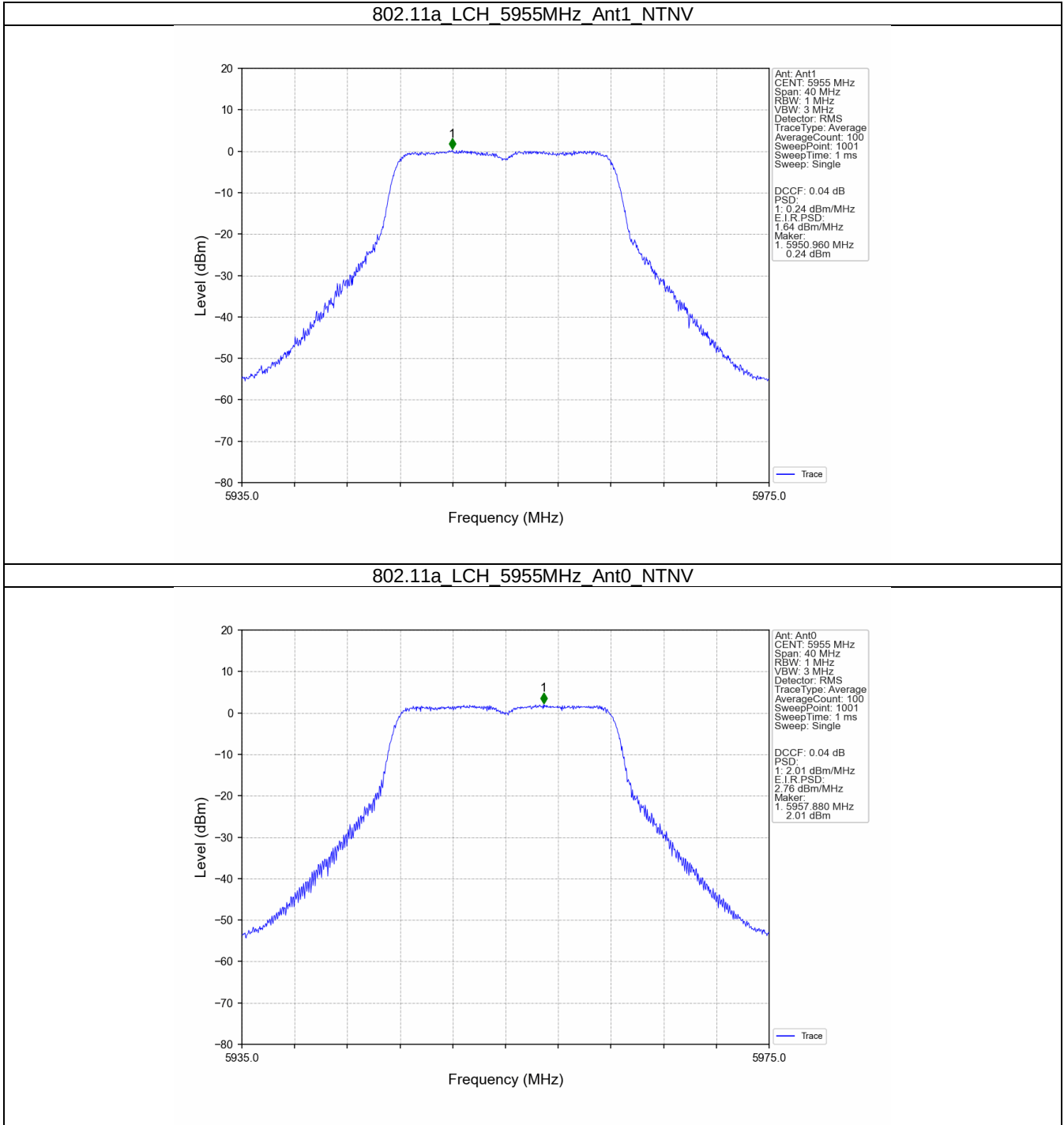
802.11ax(HEW160) HCH 6345MHz 2xRU996 Left Ant0 NTN



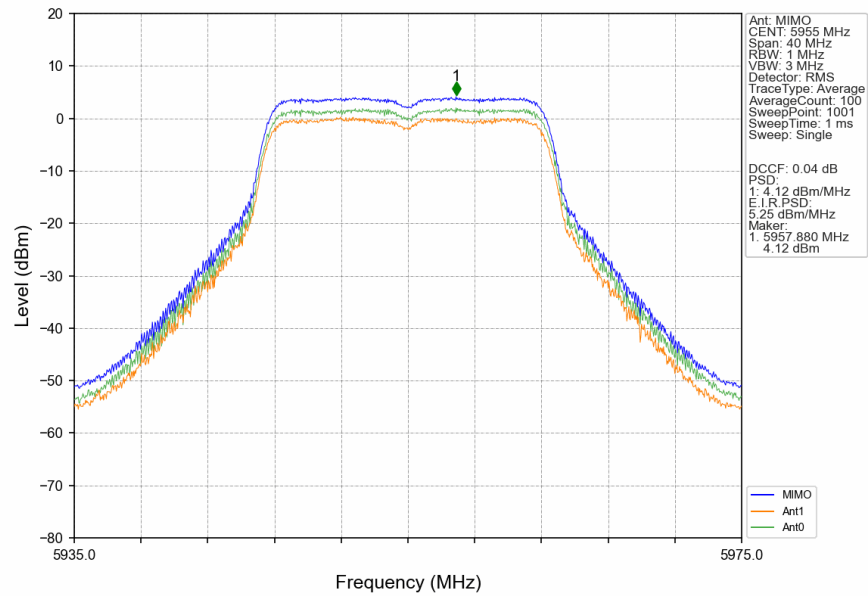
802.11ax(HEW160) HCH 6345MHz 2xRU996 Left MIMO NTNV



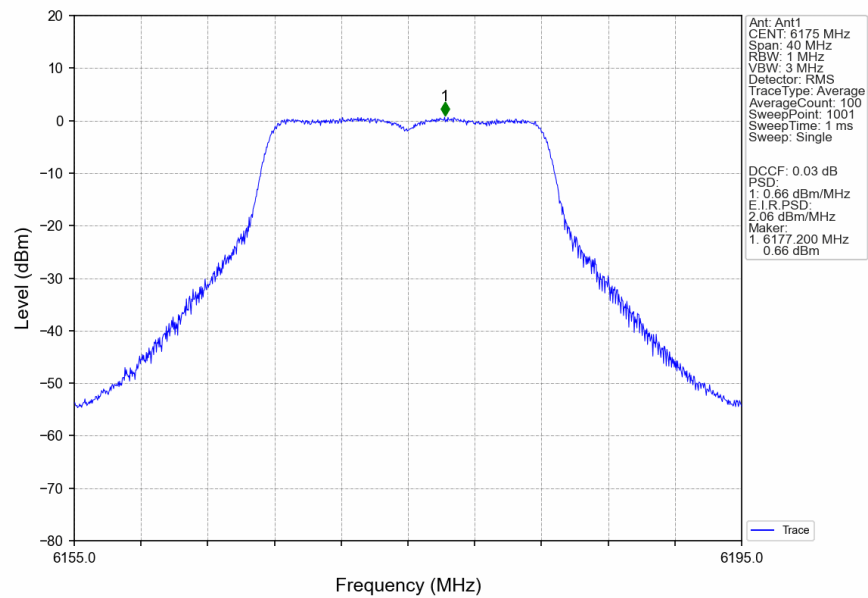
4.2.2 E.I.R.PSD



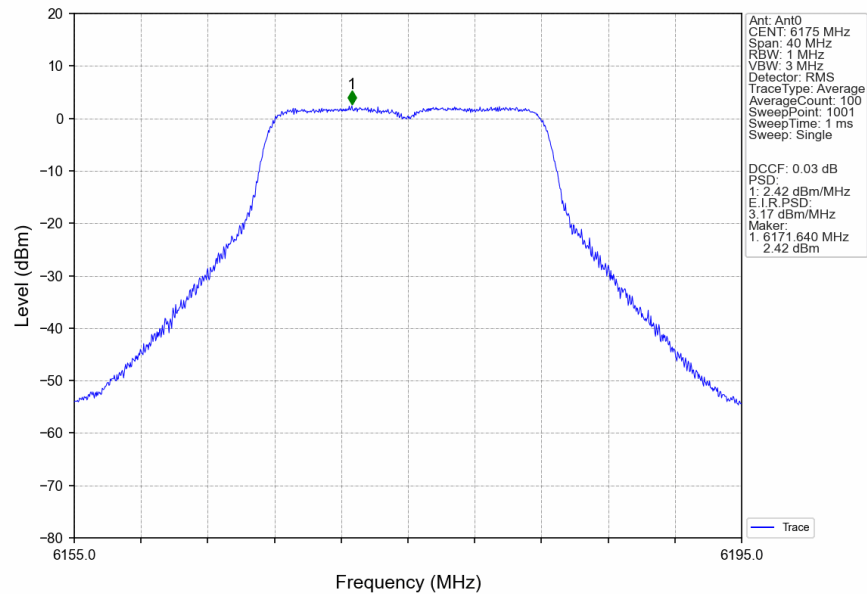
802.11a LCH 5955MHz MIMO NTN



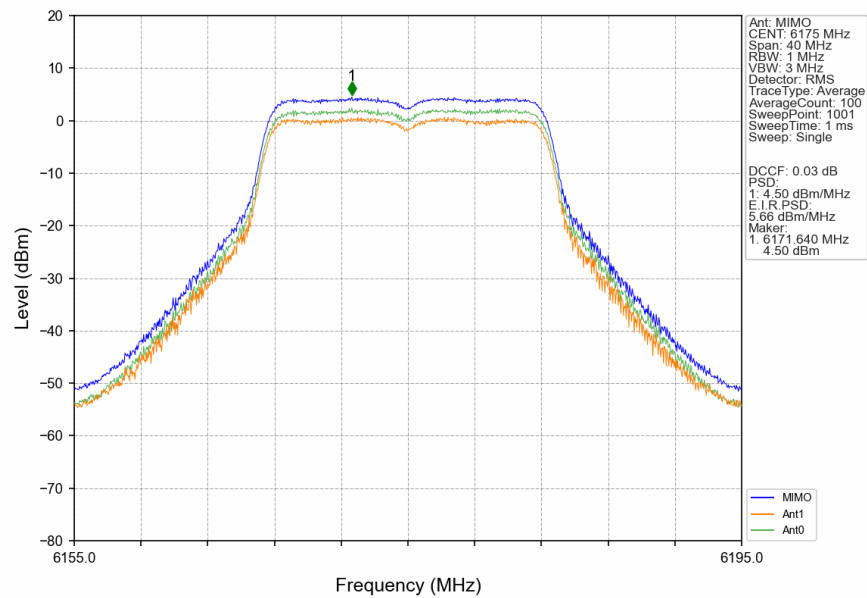
802.11a_MCH_6175MHz_Ant1 NTN



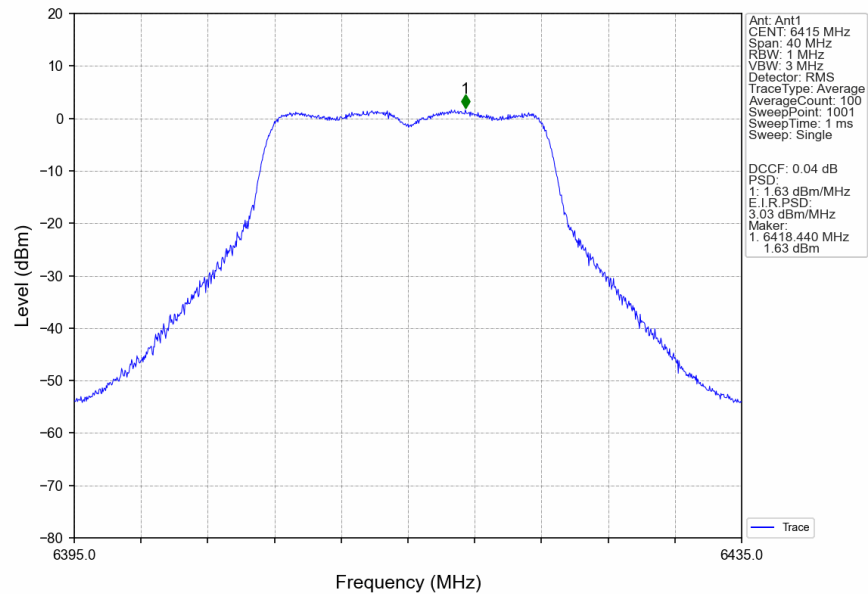
802.11a MCH 6175MHz Ant0 NTN



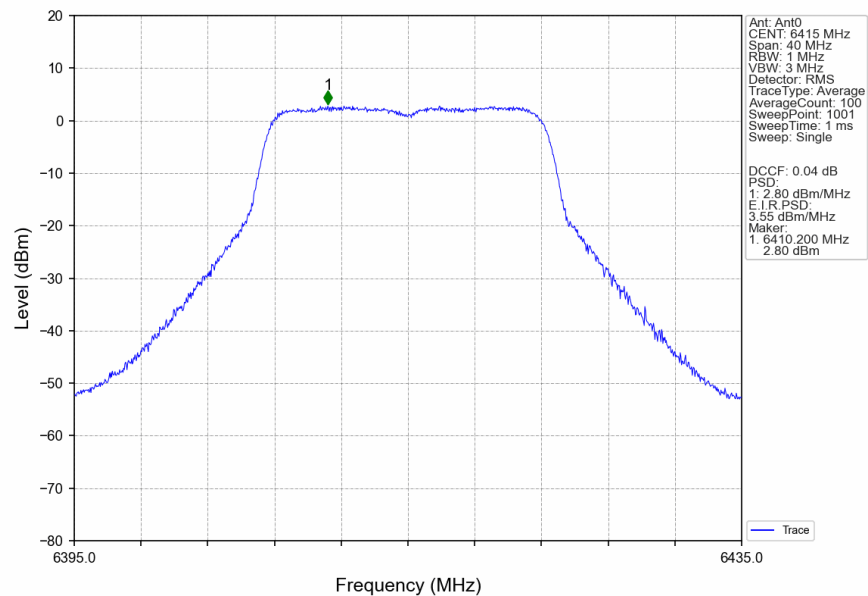
802.11a MCH 6175MHz MIMO NTN



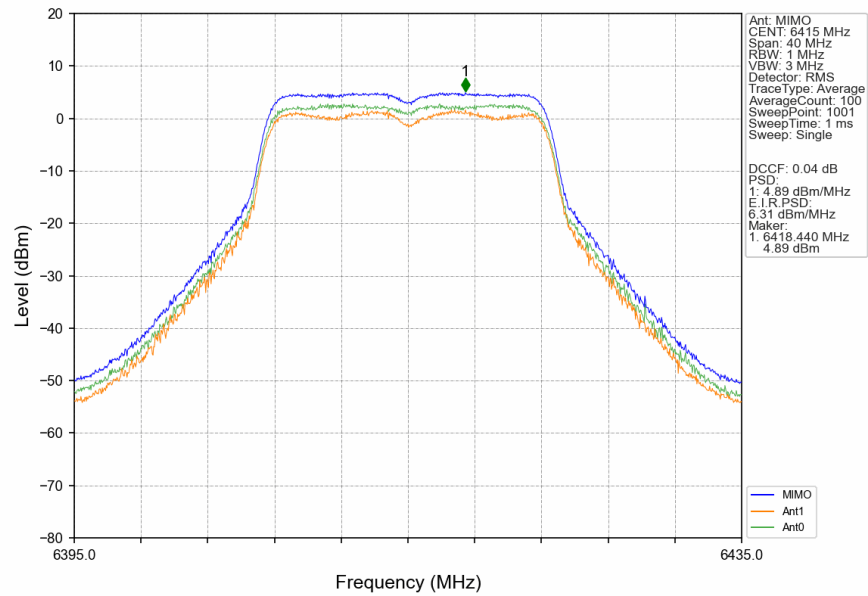
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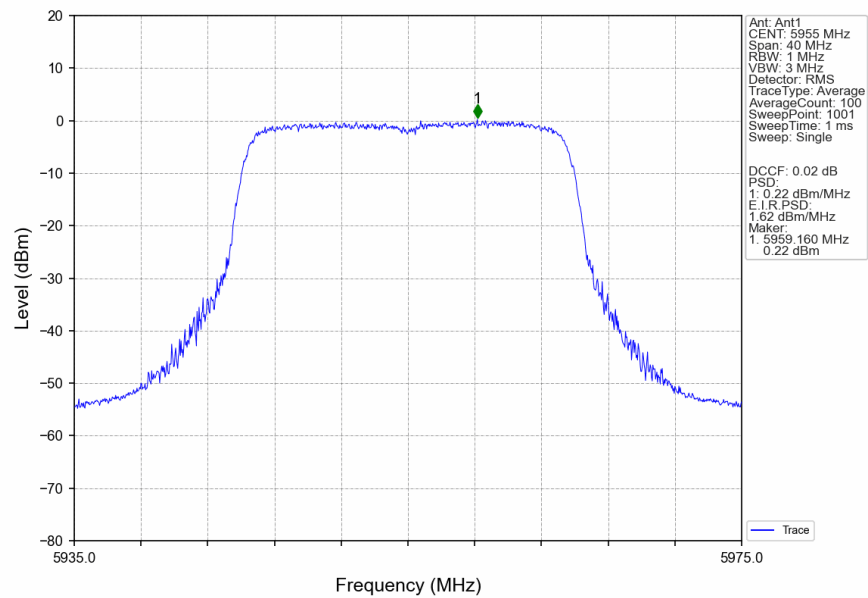
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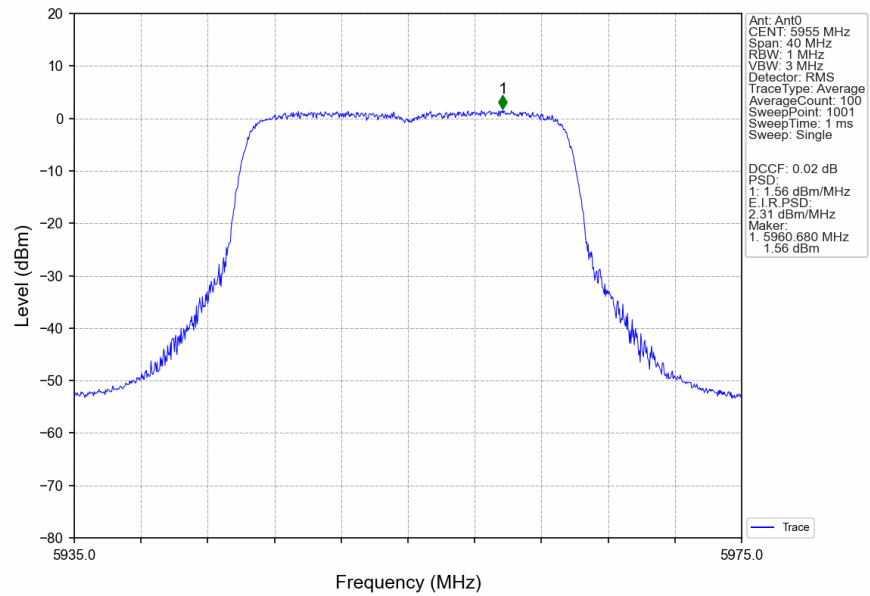
802.11a HCH 6415MHz MIMO NTN



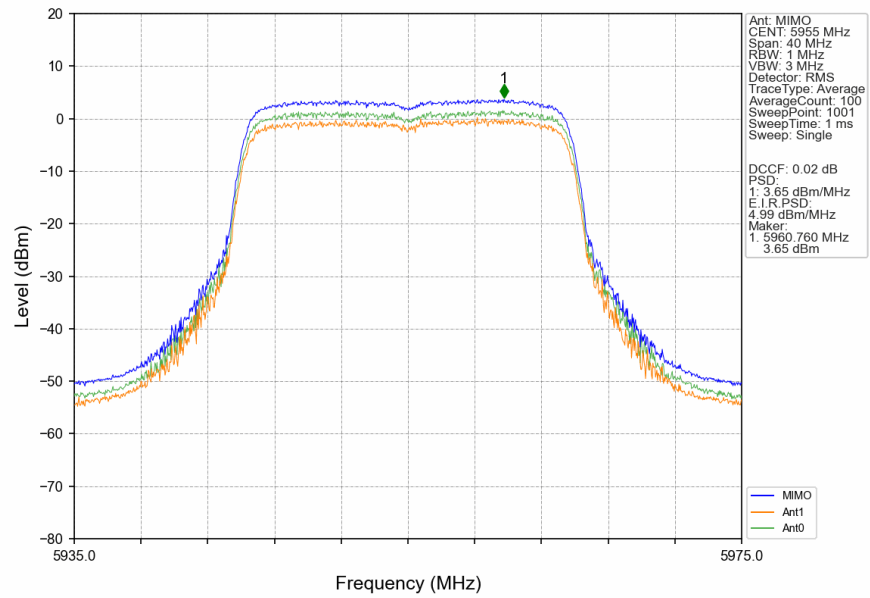
802.11ax(HEW20)_LCH_5955MHz_RU242_Left_Ant1 NTN



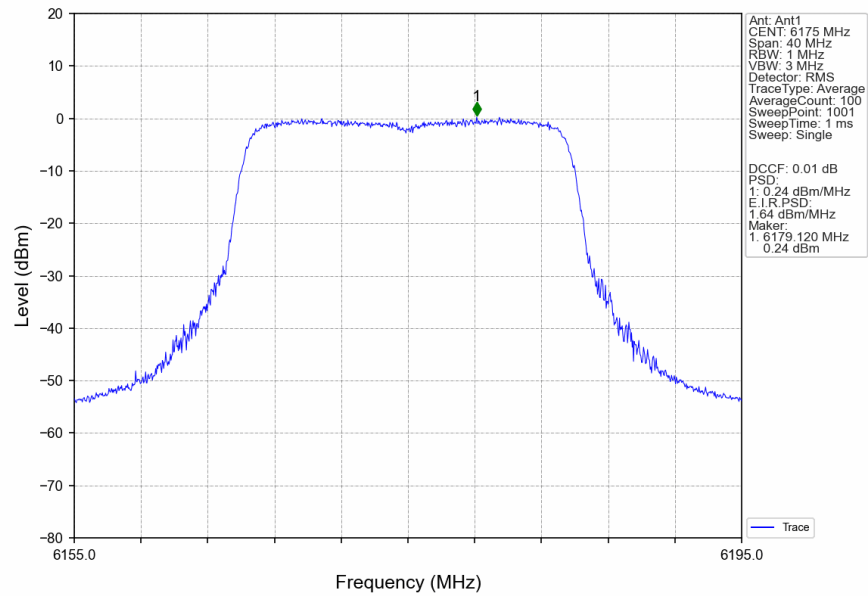
802.11ax(HEW20) LCH 5955MHz RU242 Left Ant0 NTN



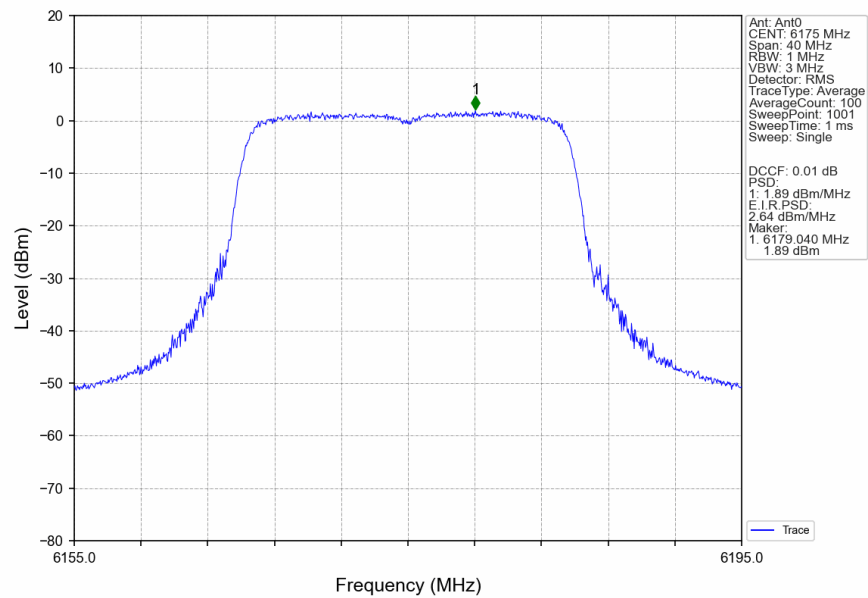
802.11ax(HEW20) LCH 5955MHz RU242 Left MIMO NTN



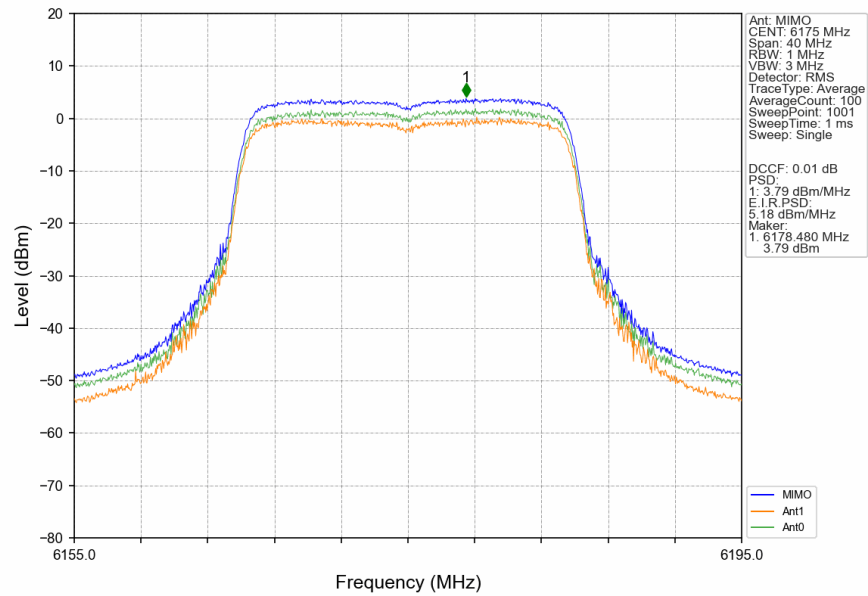
802.11ax(HEW20) MCH 6175MHz RU242 Left Ant1 NTN



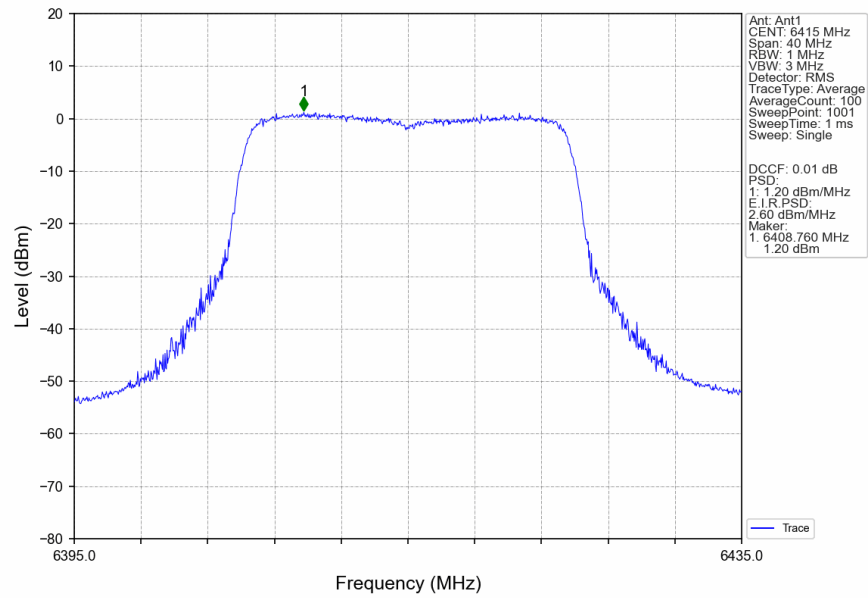
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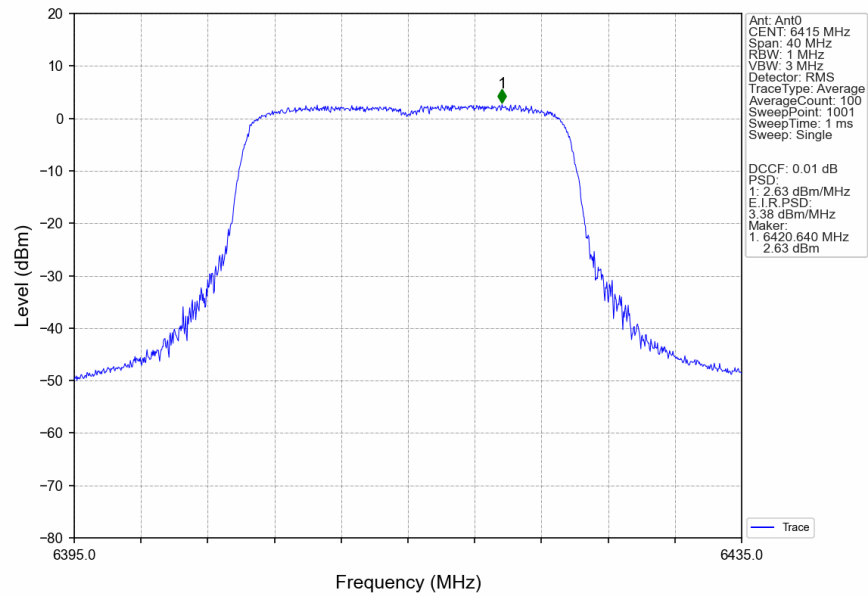
802.11ax(HEW20) MCH 6175MHz RU242 Left MIMO NTN



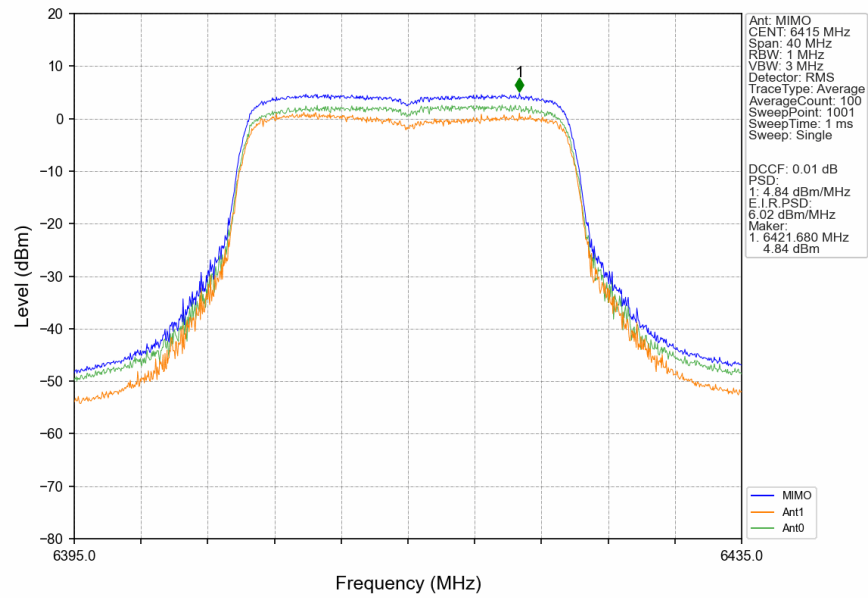
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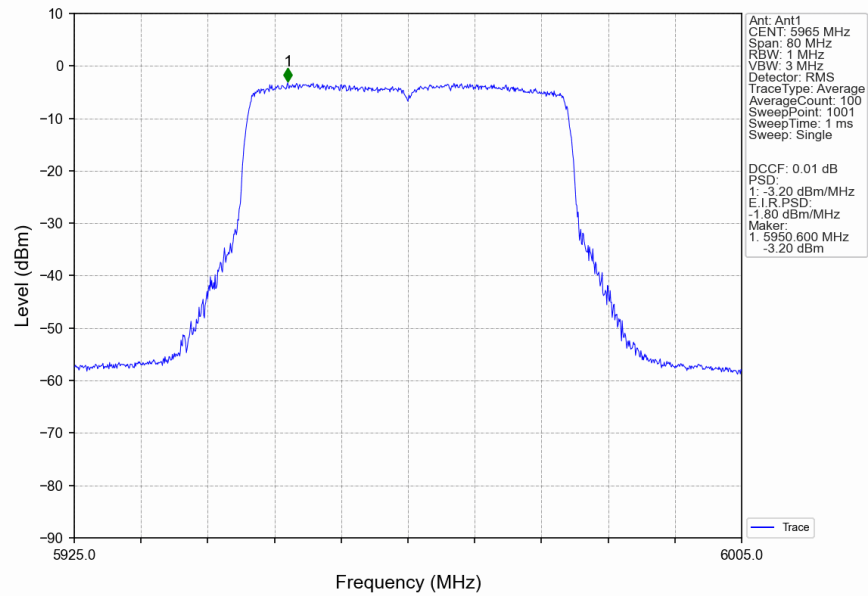
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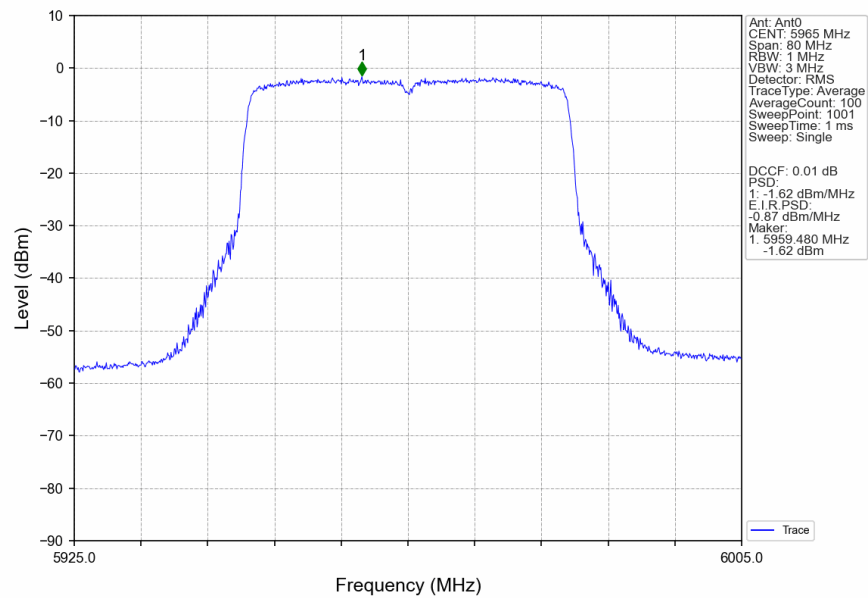
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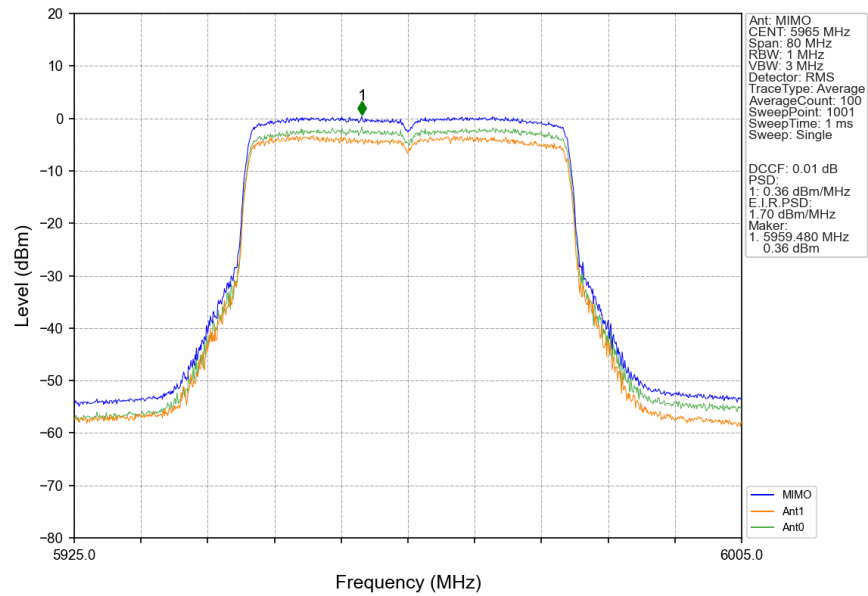
802.11ax(HEW40)_LCH_5965MHz_RU484_Left_Ant1_NTNV



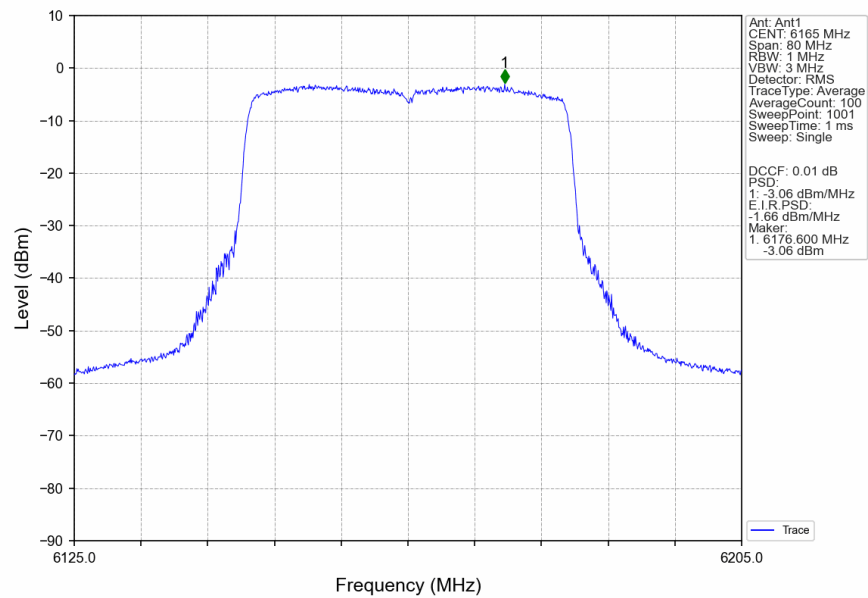
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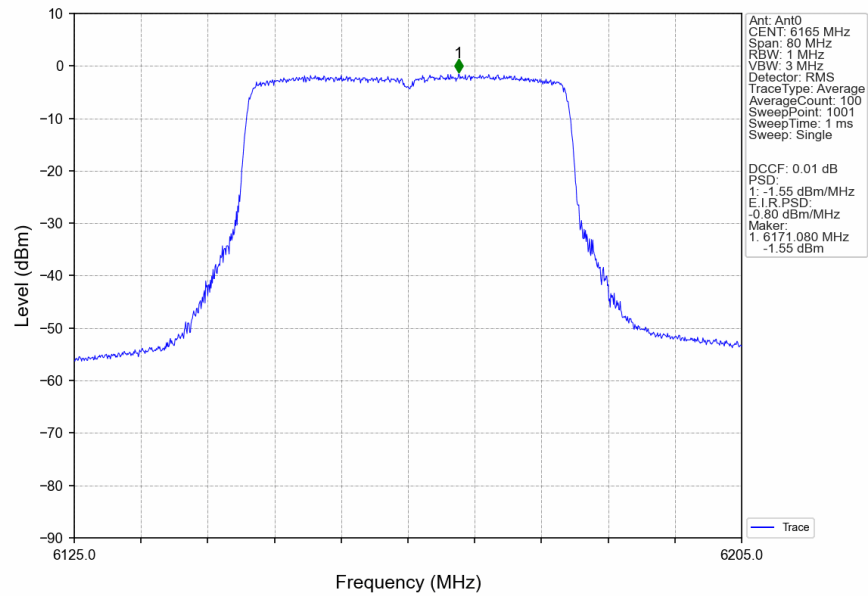
802.11ax(HEW40) LCH 5965MHz RU484 Left MIMO NTN



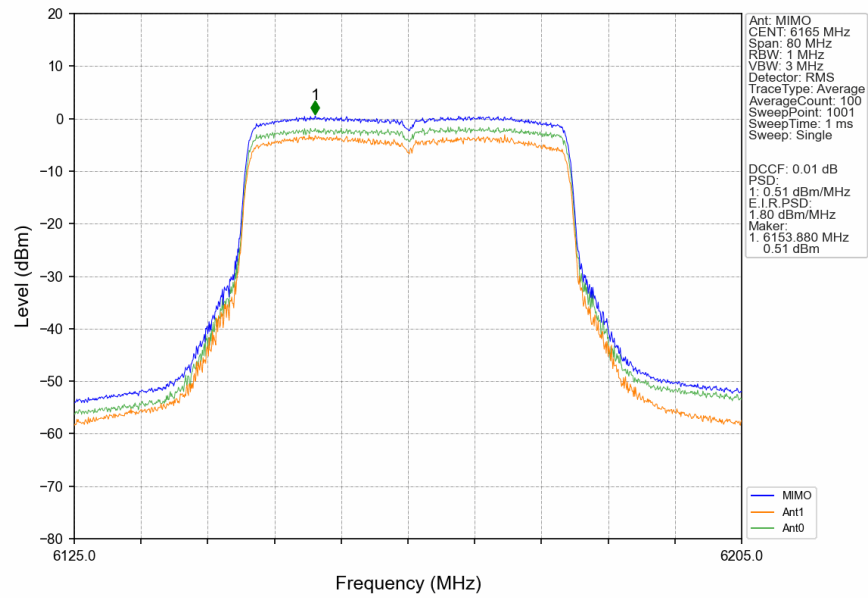
802.11ax(HEW40) MCH 6165MHz RU484 Left Ant1 NTN



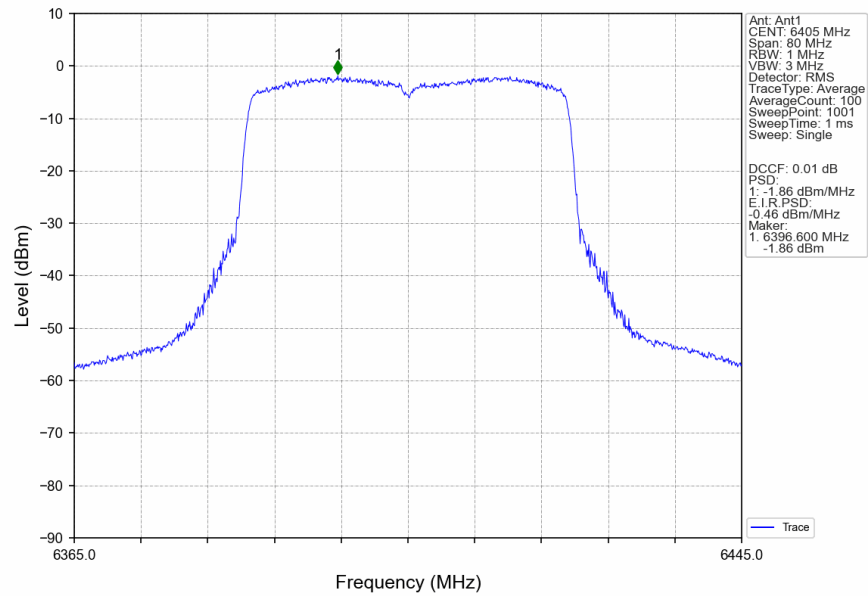
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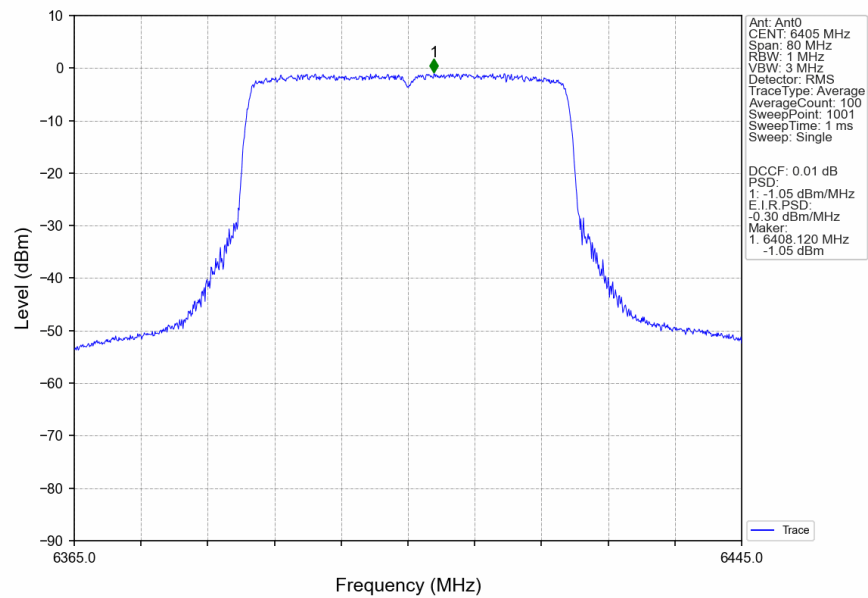
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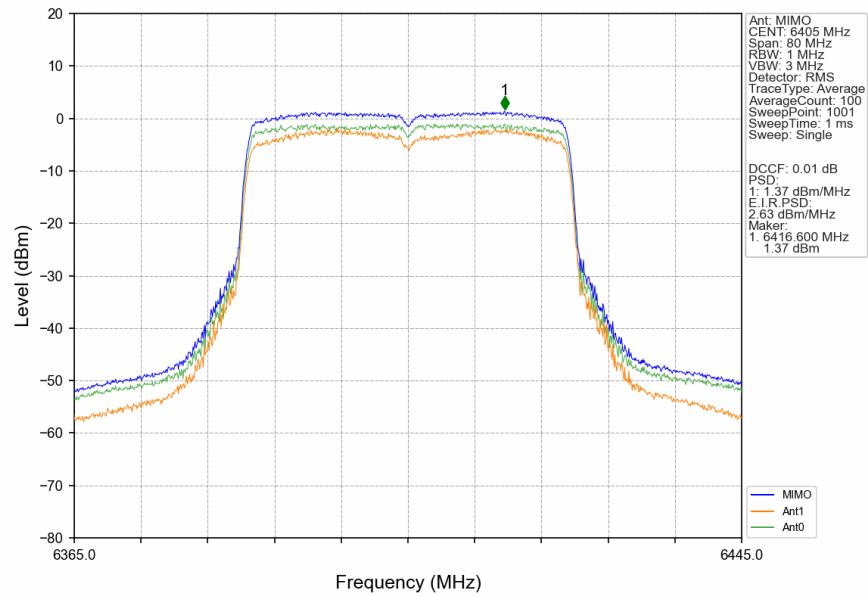
802.11ax(HEW40) HCH 6405MHz RU484 Left Ant1 NTN



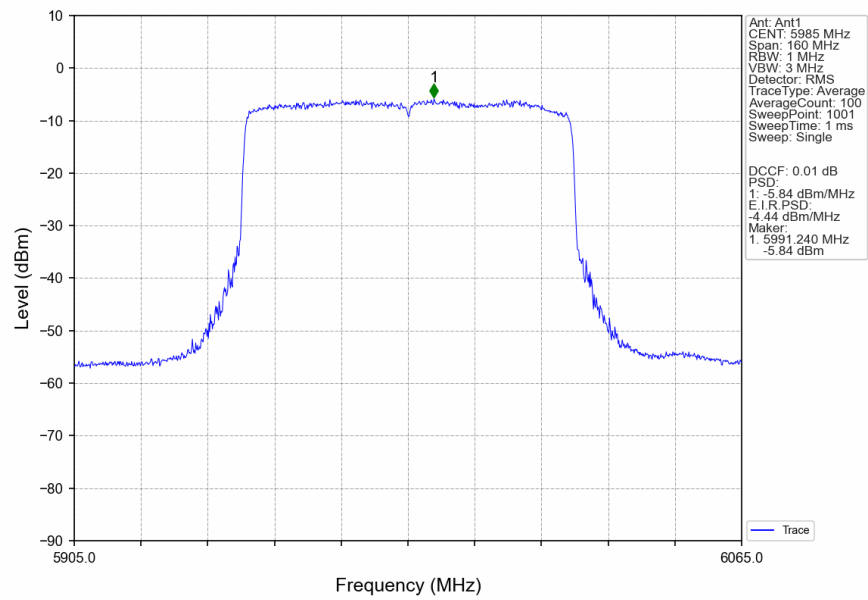
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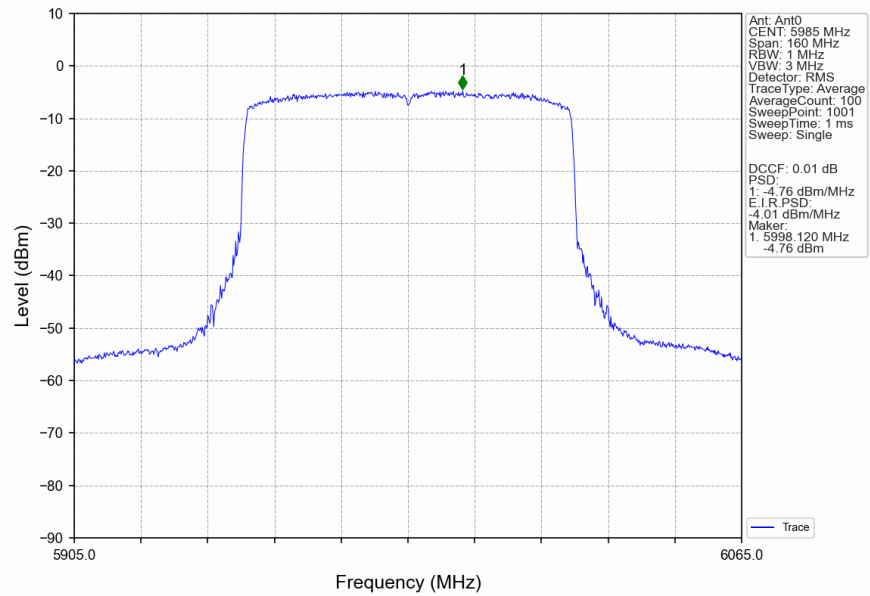
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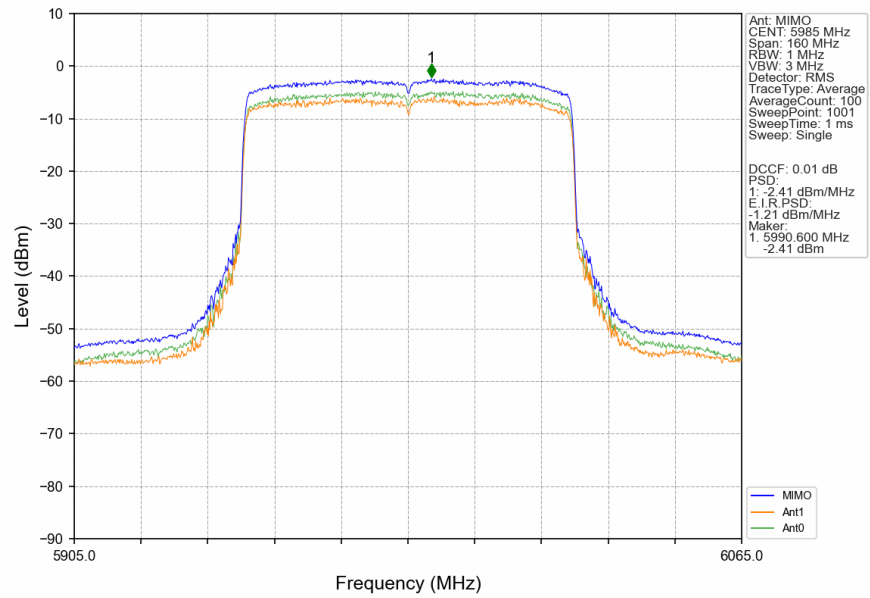
802.11ax(HEW80)_LCH_5985MHz_RU996_Left_Ant1_NTN



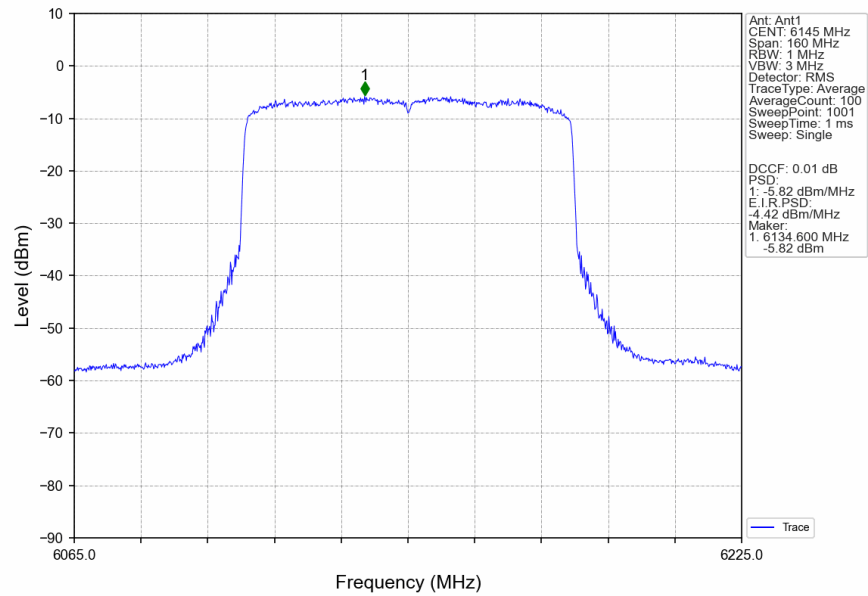
802.11ax(HEW80) LCH 5985MHz RU996 Left Ant0 NTN



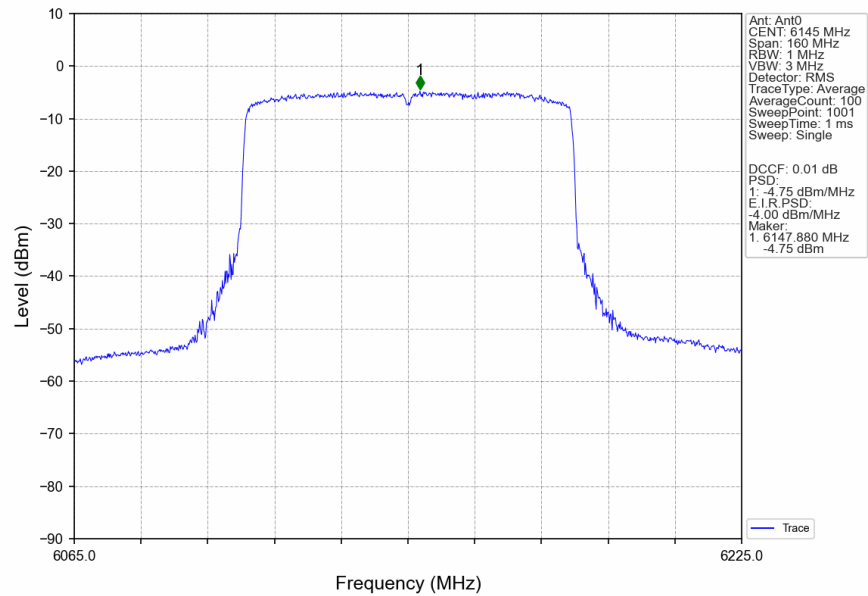
802.11ax(HEW80) LCH 5985MHz RU996 Left MIMO NTN



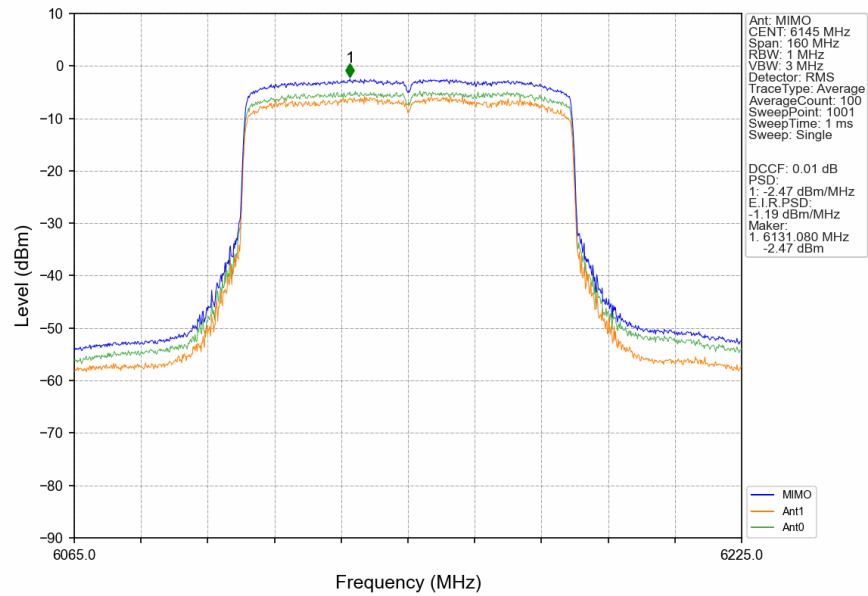
802.11ax(HEW80) MCH 6145MHz RU996 Left Ant1 NTN



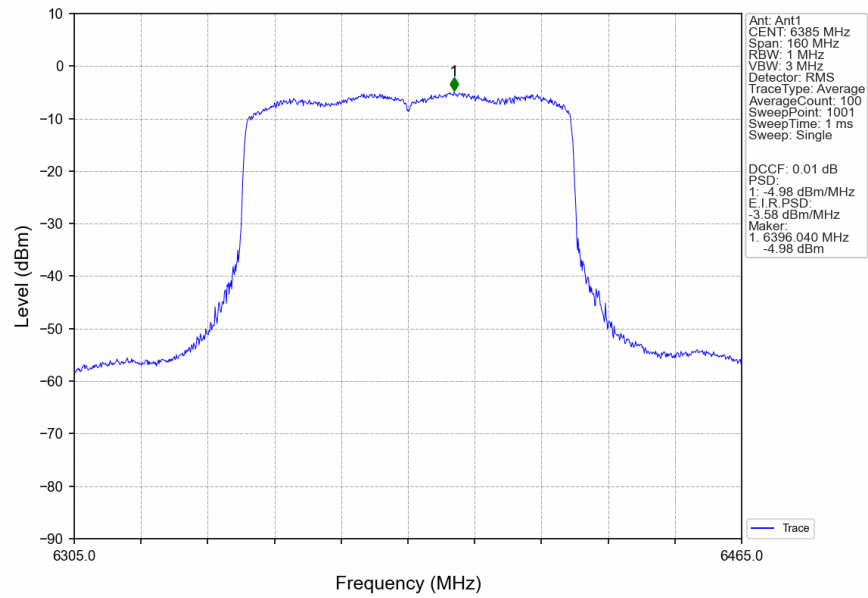
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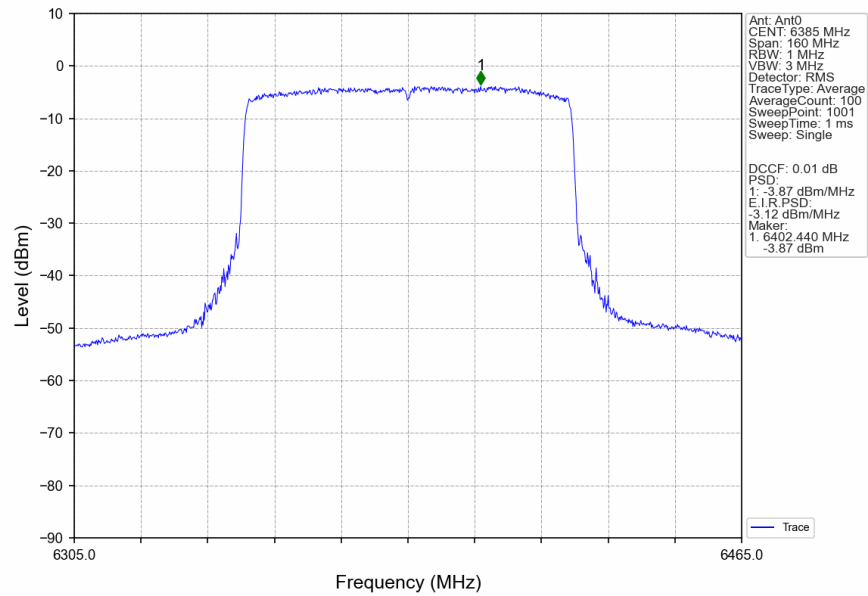
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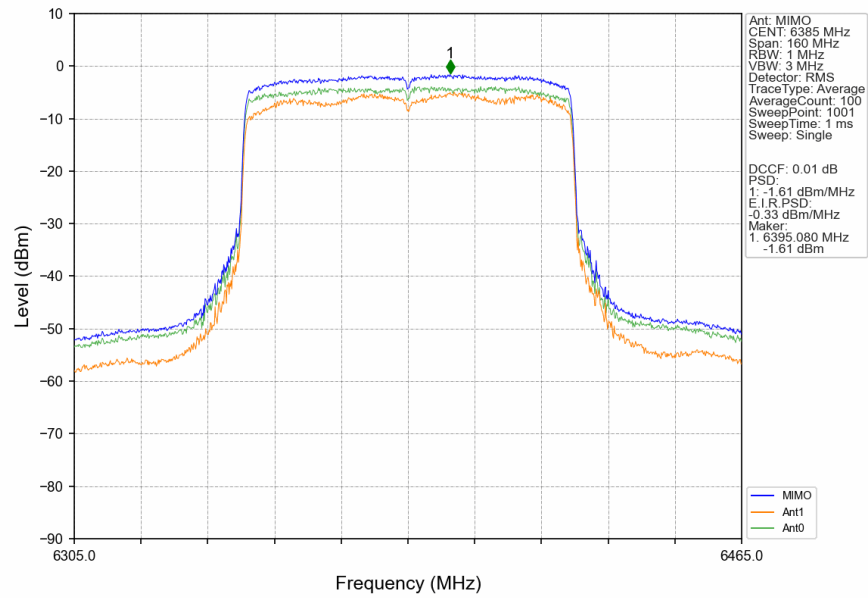
802.11ax(HEW80) HCH 6385MHz RU996 Left Ant1 NTN



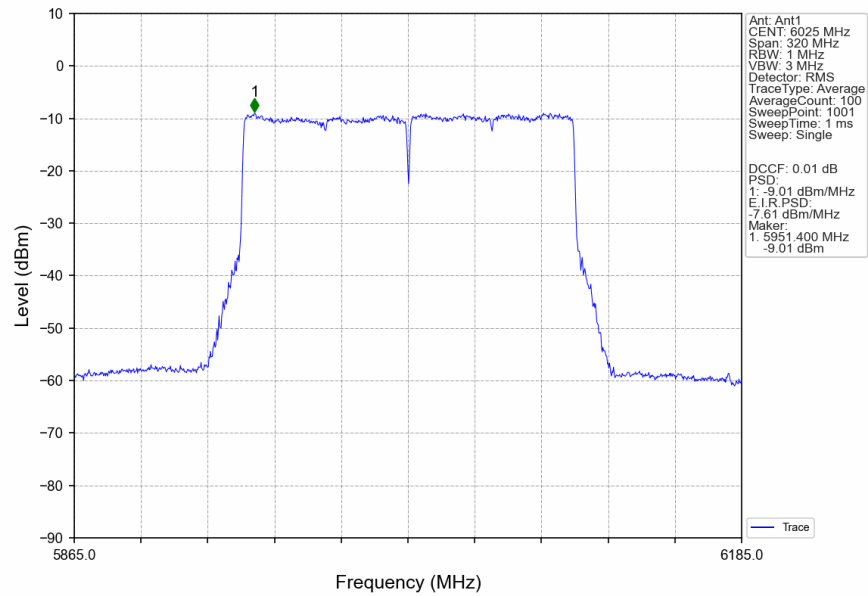
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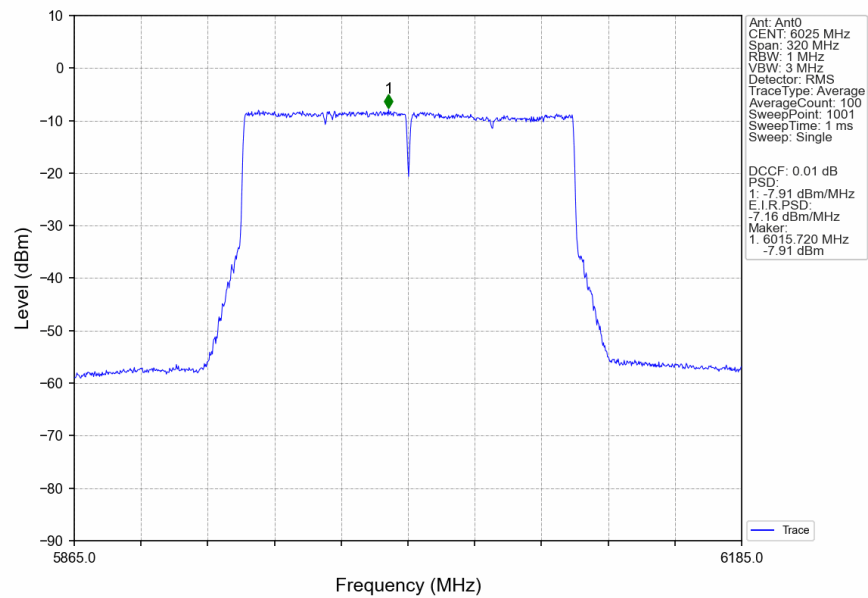
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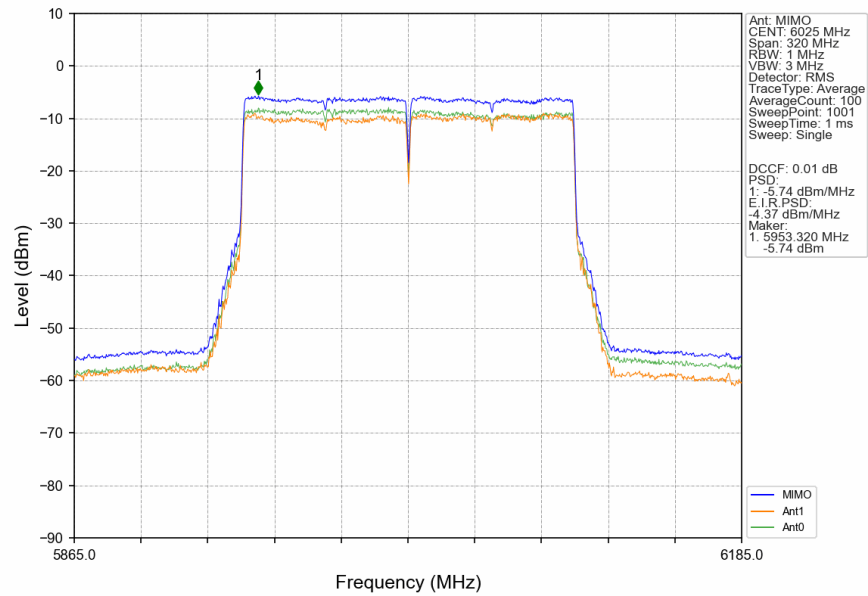
802.11ax(HEW160) LCH 6025MHz 2xRU996 Left Ant1 NTN



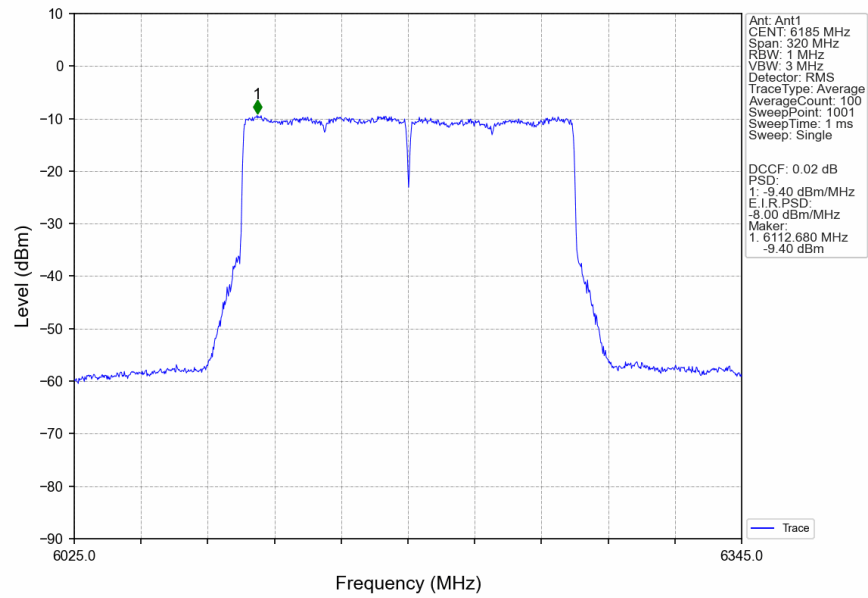
802.11ax(HEW160) LCH 6025MHz 2xRU996 Left Ant0 NTN



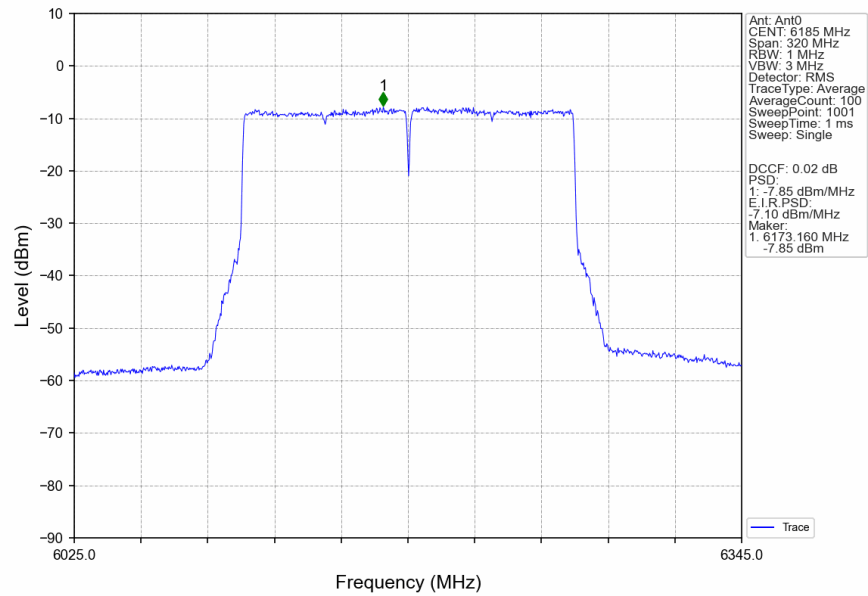
802.11ax(HEW160) LCH 6025MHz 2xRU996 Left MIMO NTN



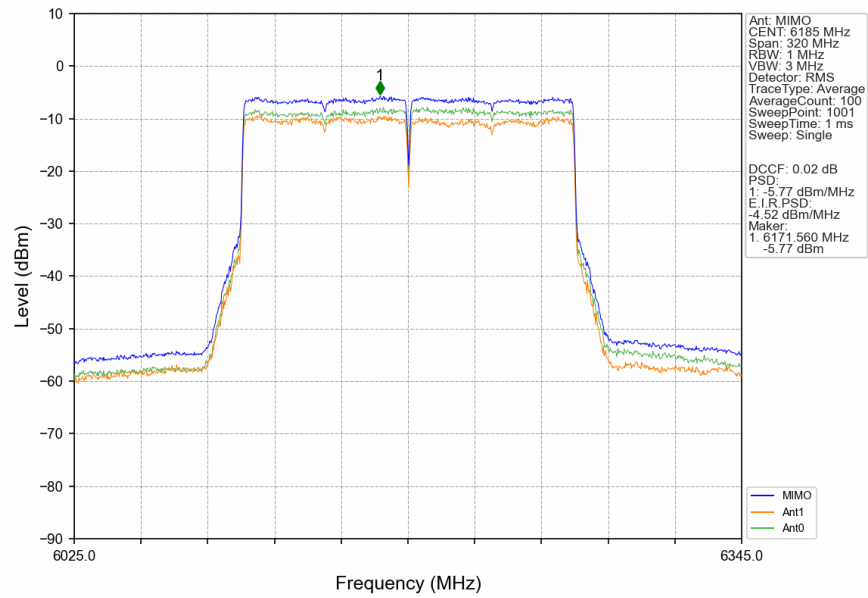
802.11ax(HEW160) MCH 6185MHz 2xRU996 Left Ant1 NTN



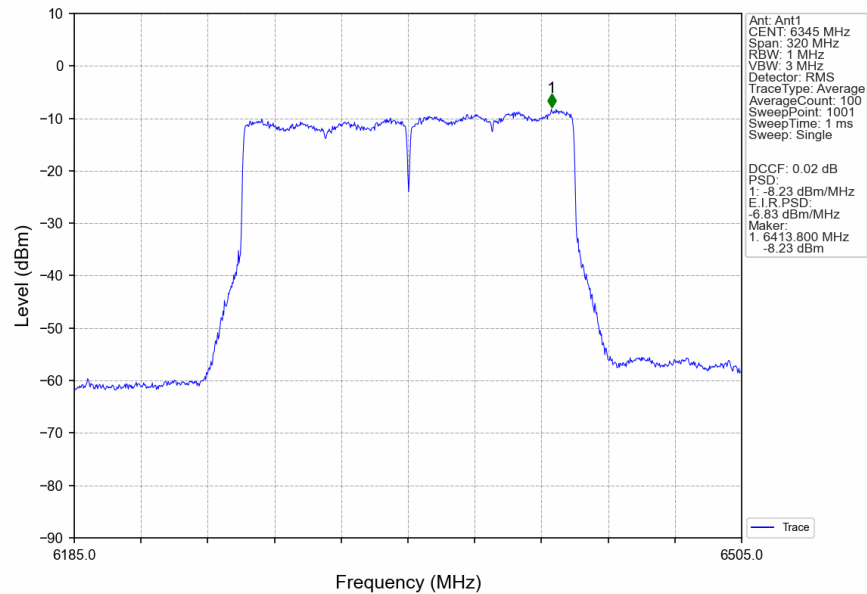
802.11ax(HEW160) MCH 6185MHz 2xRU996 Left Ant0 NTN



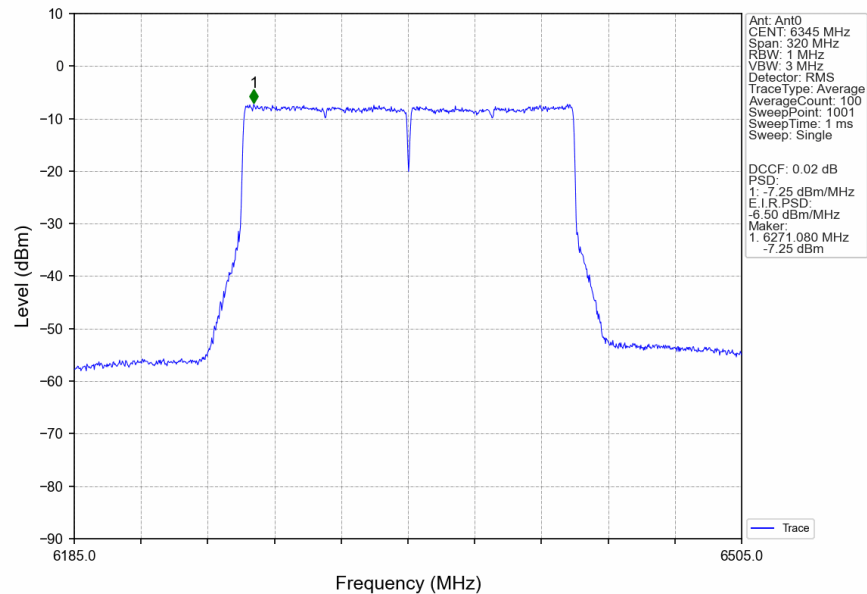
802.11ax(HEW160) MCH 6185MHz 2xRU996 Left MIMO NTN



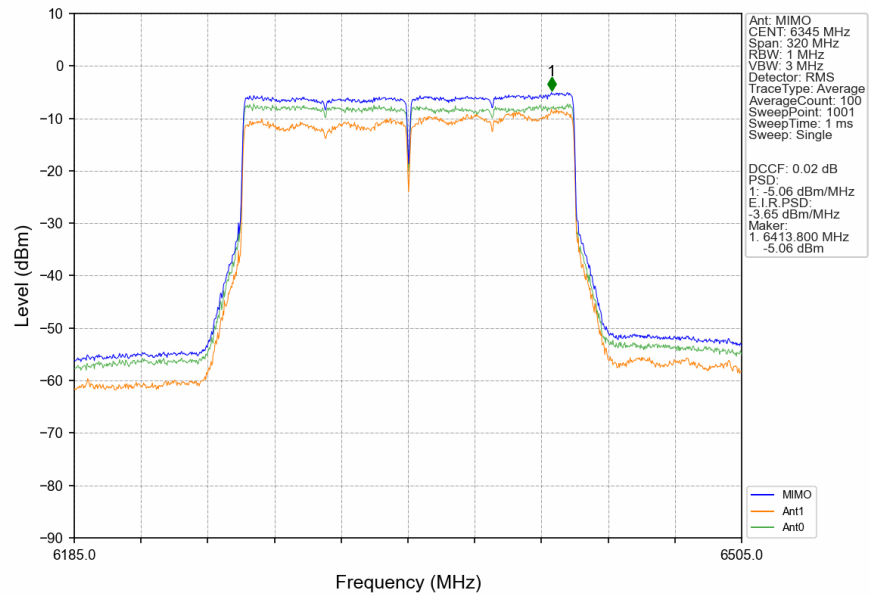
802.11ax(HEW160) HCH 6345MHz 2xRU996 Left Ant1 NTN



802.11ax(HEW160) HCH 6345MHz 2xRU996 Left Ant0 NTN



802.11ax(HEW160) HCH 6345MHz 2xRU996 Left MIMO NTNV



4.2.3 PSD

