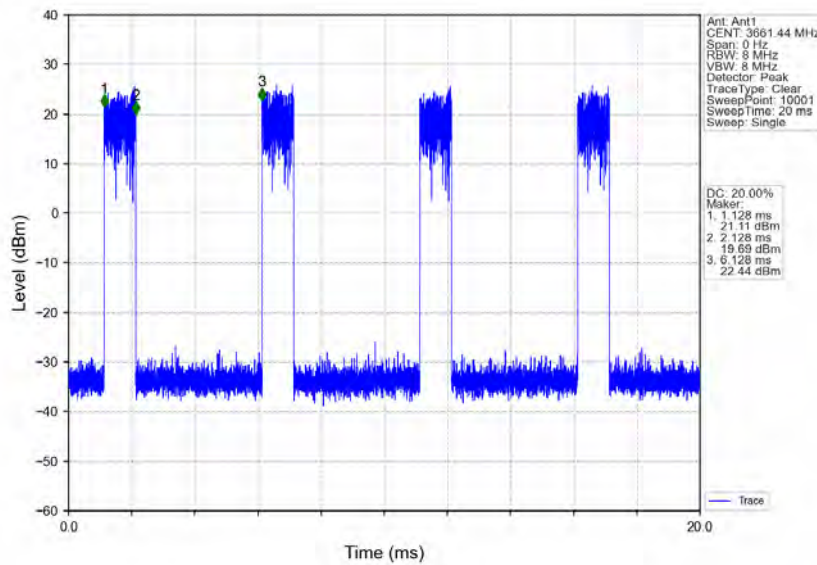
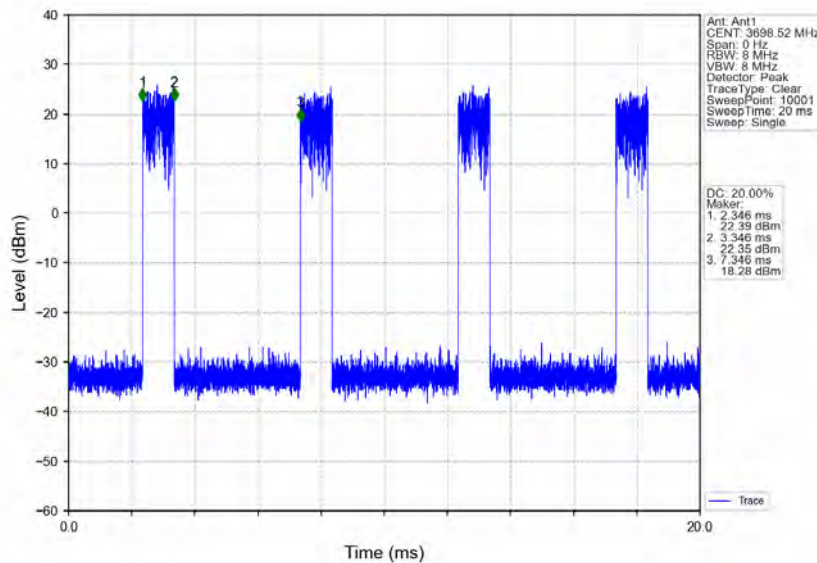


n48_30kHz_MIMO_NTNV_40MHz_CP-OFDM 256 QAM_3679.98MHz_Inner_1RB_Left



n48_30kHz_MIMO_NTNV_40MHz_CP-OFDM 256 QAM_3679.98MHz_Inner_1RB_Right



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2. Effective (Isotropic) Radiated Power Output Data

2.1 30k_MIMO_10MHz_NTNV_EIRP

2.1.1 Test Result

5G NR n48 SCS=30kHz MIMO 10MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3555	Edge_1RB_Left	18.58	18.04	21.33	32.90	32.39	35.66	-	Pass
		Edge_1RB_Right	18.53	17.91	21.24	32.85	32.26	35.58	-	Pass
		Outer_Full	18.60	18.58	21.60	32.92	32.93	35.94	-	Pass
		Inner_Full	18.06	18.43	21.26	32.38	32.78	35.59	-	Pass
		Inner_1RB_Left	18.44	18.18	21.32	32.76	32.53	35.66	-	Pass
	Inner_1RB_Right	18.31	18.76	21.55	32.63	33.11	35.89	-	Pass	
	3624.99	Edge_1RB_Left	17.37	18.21	20.82	31.69	32.56	35.16	-	Pass
		Edge_1RB_Right	17.97	17.97	20.98	32.29	32.32	35.32	-	Pass
		Outer_Full	18.24	18.05	21.16	32.56	32.40	35.49	-	Pass
		Inner_Full	18.36	17.89	21.14	32.68	32.24	35.48	-	Pass
		Inner_1RB_Left	17.98	18.00	21.00	32.30	32.35	35.34	-	Pass
	Inner_1RB_Right	17.47	18.04	20.77	31.79	32.39	35.11	-	Pass	
	3694.98	Edge_1RB_Left	17.64	18.28	20.98	31.96	32.63	35.32	-	Pass
		Edge_1RB_Right	18.17	18.07	21.13	32.49	32.42	35.47	-	Pass
		Outer_Full	16.93	17.79	20.39	31.25	32.14	34.73	-	Pass
Inner_Full		17.73	16.95	20.37	32.05	31.30	34.70	-	Pass	
Inner_1RB_Left		17.93	17.96	20.96	32.25	32.31	35.29	-	Pass	
Inner_1RB_Right	17.90	17.37	20.65	32.22	31.72	34.99	-	Pass		
CP-OFDM 16 QAM	3555	Edge_1RB_Left	17.74	17.49	20.63	32.06	31.84	34.96	-	Pass
		Edge_1RB_Right	18.61	18.84	21.74	32.93	33.19	36.07	-	Pass
		Outer_Full	17.96	18.09	21.04	32.28	32.44	35.37	-	Pass
		Inner_Full	18.94	18.25	21.62	33.26	32.60	35.95	-	Pass
		Inner_1RB_Left	17.68	18.43	21.08	32.00	32.78	35.42	-	Pass
	Inner_1RB_Right	18.37	18.51	21.45	32.69	32.86	35.79	-	Pass	
	3624.99	Edge_1RB_Left	17.46	18.62	21.09	31.78	32.97	35.43	-	Pass
		Edge_1RB_Right	17.55	17.72	20.65	31.87	32.07	34.98	-	Pass
		Outer_Full	17.36	17.02	20.20	31.68	31.37	34.54	-	Pass
		Inner_Full	17.75	17.85	20.81	32.07	32.20	35.15	-	Pass
		Inner_1RB_Left	17.75	18.05	20.91	32.07	32.40	35.25	-	Pass
	Inner_1RB_Right	18.26	16.59	20.52	32.58	30.94	34.85	-	Pass	
	3694.98	Edge_1RB_Left	17.39	18.18	20.81	31.71	32.53	35.15	-	Pass
		Edge_1RB_Right	17.83	17.64	20.75	32.15	31.99	35.08	-	Pass
		Outer_Full	18.29	17.38	20.87	32.61	31.73	35.20	-	Pass
Inner_Full		17.64	17.72	20.69	31.96	32.07	35.03	-	Pass	
Inner_1RB_Left		18.02	18.76	21.42	32.34	33.11	35.75	-	Pass	
Inner_1RB_Right	16.84	17.06	19.96	31.16	31.41	34.30	-	Pass		
CP-OFDM 64 QAM	3555	Edge_1RB_Left	18.50	17.67	21.12	32.82	32.02	35.45	-	Pass
		Edge_1RB_Right	18.15	18.25	21.21	32.47	32.60	35.55	-	Pass
		Outer_Full	18.14	18.76	21.47	32.46	33.11	35.81	-	Pass
		Inner_Full	18.63	18.19	21.43	32.95	32.54	35.76	-	Pass
		Inner_1RB_Left	18.07	18.18	21.14	32.39	32.53	35.47	-	Pass
Inner_1RB_Right	18.46	18.39	21.44	32.78	32.74	35.77	-	Pass		

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CP-OFDM 256 QAM	3624.99	Edge_1RB_Left	17.88	17.94	20.92	32.20	32.29	35.26	-	Pass	
		Edge_1RB_Right	17.85	16.65	20.30	32.17	31.00	34.63	-	Pass	
		Outer_Full	17.60	18.03	20.83	31.92	32.38	35.17	-	Pass	
		Inner_Full	17.44	17.25	20.36	31.76	31.60	34.69	-	Pass	
		Inner_1RB_Left	17.99	18.13	21.07	32.31	32.48	35.41	-	Pass	
		Inner_1RB_Right	18.21	17.72	20.98	32.53	32.07	35.32	-	Pass	
	3694.98	Edge_1RB_Left	17.84	17.86	20.86	32.16	32.21	35.20	-	Pass	
		Edge_1RB_Right	17.83	18.55	21.22	32.15	32.90	35.55	-	Pass	
		Outer_Full	17.55	17.62	20.60	31.87	31.97	34.93	-	Pass	
		Inner_Full	17.30	17.95	20.65	31.62	32.30	34.98	-	Pass	
		Inner_1RB_Left	17.49	17.72	20.62	31.81	32.07	34.95	-	Pass	
		Inner_1RB_Right	17.55	18.14	20.87	31.87	32.49	35.20	-	Pass	
	CP-OFDM 256 QAM	3555	Edge_1RB_Left	16.79	16.64	19.73	31.11	30.99	34.06	-	Pass
			Edge_1RB_Right	16.92	16.70	19.82	31.24	31.05	34.16	-	Pass
			Outer_Full	16.64	16.59	19.63	30.96	30.94	33.96	-	Pass
			Inner_Full	16.76	16.85	19.82	31.08	31.20	34.15	-	Pass
			Inner_1RB_Left	17.17	16.47	19.84	31.49	30.82	34.18	-	Pass
			Inner_1RB_Right	16.51	16.65	19.59	30.83	31.00	33.93	-	Pass
3624.99		Edge_1RB_Left	16.64	16.49	19.58	30.96	30.84	33.91	-	Pass	
		Edge_1RB_Right	16.09	16.19	19.15	30.41	30.54	33.49	-	Pass	
		Outer_Full	16.33	16.31	19.33	30.65	30.66	33.67	-	Pass	
		Inner_Full	16.17	16.68	19.44	30.49	31.03	33.78	-	Pass	
		Inner_1RB_Left	15.78	16.16	18.98	30.10	30.51	33.32	-	Pass	
		Inner_1RB_Right	15.66	16.17	18.93	29.98	30.52	33.27	-	Pass	
3694.98		Edge_1RB_Left	15.47	15.51	18.50	29.79	29.86	32.84	-	Pass	
		Edge_1RB_Right	15.78	16.66	19.25	30.10	31.01	33.59	-	Pass	
		Outer_Full	16.41	15.50	18.99	30.73	29.85	33.32	-	Pass	
		Inner_Full	16.06	15.97	19.03	30.38	30.32	33.36	-	Pass	
		Inner_1RB_Left	15.67	16.35	19.03	29.99	30.70	33.37	-	Pass	
		Inner_1RB_Right	16.16	16.51	19.35	30.48	30.86	33.68	-	Pass	
<p>Note1: Antenna Gain: Ant1: 14.32dBi; Ant2: 14.35dBi; Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2</p>											

2.2 30k_MIMO_10MHz_NTNV_EIRP/10MHz

2.2.1 Test Result

5G NR n48 SCS=30kHz MIMO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3555	Edge_1RB_Left	18.58	18.04	21.33	32.90	32.39	35.66	<=47	Pass
		Edge_1RB_Right	18.53	17.91	21.24	32.85	32.26	35.58	<=47	Pass
		Outer_Full	18.60	18.58	21.60	32.92	32.93	35.94	<=47	Pass
		Inner_Full	18.06	18.43	21.26	32.38	32.78	35.59	<=47	Pass
		Inner_1RB_Left	18.44	18.18	21.32	32.76	32.53	35.66	<=47	Pass
		Inner_1RB_Right	18.31	18.76	21.55	32.63	33.11	35.89	<=47	Pass
	3624.99	Edge_1RB_Left	17.37	18.21	20.82	31.69	32.56	35.16	<=47	Pass
		Edge_1RB_Right	17.97	17.97	20.98	32.29	32.32	35.32	<=47	Pass
		Outer_Full	18.24	18.05	21.16	32.56	32.40	35.49	<=47	Pass
		Inner_Full	18.36	17.89	21.14	32.68	32.24	35.48	<=47	Pass



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	3694.98	Inner_1RB_Left	17.98	18.00	21.00	32.30	32.35	35.34	<=47	Pass	
		Inner_1RB_Right	17.47	18.04	20.77	31.79	32.39	35.11	<=47	Pass	
		Edge_1RB_Left	17.64	18.28	20.98	31.96	32.63	35.32	<=47	Pass	
		Edge_1RB_Right	18.17	18.07	21.13	32.49	32.42	35.47	<=47	Pass	
		Outer_Full	16.93	17.79	20.39	31.25	32.14	34.73	<=47	Pass	
		Inner_Full	17.73	16.95	20.37	32.05	31.30	34.70	<=47	Pass	
		Inner_1RB_Left	17.93	17.96	20.96	32.25	32.31	35.29	<=47	Pass	
		Inner_1RB_Right	17.90	17.37	20.65	32.22	31.72	34.99	<=47	Pass	
CP-OFDM 16 QAM	3555	Edge_1RB_Left	17.74	17.49	20.63	32.06	31.84	34.96	<=47	Pass	
		Edge_1RB_Right	18.61	18.84	21.74	32.93	33.19	36.07	<=47	Pass	
		Outer_Full	17.96	18.09	21.04	32.28	32.44	35.37	<=47	Pass	
		Inner_Full	18.94	18.25	21.62	33.26	32.60	35.95	<=47	Pass	
		Inner_1RB_Left	17.68	18.43	21.08	32.00	32.78	35.42	<=47	Pass	
		Inner_1RB_Right	18.37	18.51	21.45	32.69	32.86	35.79	<=47	Pass	
	3624.99	Edge_1RB_Left	17.46	18.62	21.09	31.78	32.97	35.43	<=47	Pass	
		Edge_1RB_Right	17.55	17.72	20.65	31.87	32.07	34.98	<=47	Pass	
		Outer_Full	17.36	17.02	20.20	31.68	31.37	34.54	<=47	Pass	
		Inner_Full	17.75	17.85	20.81	32.07	32.20	35.15	<=47	Pass	
		Inner_1RB_Left	17.75	18.05	20.91	32.07	32.40	35.25	<=47	Pass	
		Inner_1RB_Right	18.26	16.59	20.52	32.58	30.94	34.85	<=47	Pass	
	3694.98	Edge_1RB_Left	17.39	18.18	20.81	31.71	32.53	35.15	<=47	Pass	
		Edge_1RB_Right	17.83	17.64	20.75	32.15	31.99	35.08	<=47	Pass	
		Outer_Full	18.29	17.38	20.87	32.61	31.73	35.20	<=47	Pass	
		Inner_Full	17.64	17.72	20.69	31.96	32.07	35.03	<=47	Pass	
		Inner_1RB_Left	18.02	18.76	21.42	32.34	33.11	35.75	<=47	Pass	
		Inner_1RB_Right	16.84	17.06	19.96	31.16	31.41	34.30	<=47	Pass	
	CP-OFDM 64 QAM	3555	Edge_1RB_Left	18.50	17.67	21.12	32.82	32.02	35.45	<=47	Pass
			Edge_1RB_Right	18.15	18.25	21.21	32.47	32.60	35.55	<=47	Pass
Outer_Full			18.14	18.76	21.47	32.46	33.11	35.81	<=47	Pass	
Inner_Full			18.63	18.19	21.43	32.95	32.54	35.76	<=47	Pass	
Inner_1RB_Left			18.07	18.18	21.14	32.39	32.53	35.47	<=47	Pass	
Inner_1RB_Right			18.46	18.39	21.44	32.78	32.74	35.77	<=47	Pass	
3624.99		Edge_1RB_Left	17.88	17.94	20.92	32.20	32.29	35.26	<=47	Pass	
		Edge_1RB_Right	17.85	16.65	20.30	32.17	31.00	34.63	<=47	Pass	
		Outer_Full	17.60	18.03	20.83	31.92	32.38	35.17	<=47	Pass	
		Inner_Full	17.44	17.25	20.36	31.76	31.60	34.69	<=47	Pass	
		Inner_1RB_Left	17.99	18.13	21.07	32.31	32.48	35.41	<=47	Pass	
		Inner_1RB_Right	18.21	17.72	20.98	32.53	32.07	35.32	<=47	Pass	
3694.98		Edge_1RB_Left	17.84	17.86	20.86	32.16	32.21	35.20	<=47	Pass	
		Edge_1RB_Right	17.83	18.55	21.22	32.15	32.90	35.55	<=47	Pass	
		Outer_Full	17.55	17.62	20.60	31.87	31.97	34.93	<=47	Pass	
		Inner_Full	17.30	17.95	20.65	31.62	32.30	34.98	<=47	Pass	
		Inner_1RB_Left	17.49	17.72	20.62	31.81	32.07	34.95	<=47	Pass	
		Inner_1RB_Right	17.55	18.14	20.87	31.87	32.49	35.20	<=47	Pass	
CP-OFDM 256 QAM		3555	Edge_1RB_Left	16.79	16.64	19.73	31.11	30.99	34.06	<=47	Pass
			Edge_1RB_Right	16.92	16.70	19.82	31.24	31.05	34.16	<=47	Pass
	Outer_Full		16.64	16.59	19.63	30.96	30.94	33.96	<=47	Pass	
	Inner_Full		16.76	16.85	19.82	31.08	31.20	34.15	<=47	Pass	
	Inner_1RB_Left		17.17	16.47	19.84	31.49	30.82	34.18	<=47	Pass	
	Inner_1RB_Right		16.51	16.65	19.59	30.83	31.00	33.93	<=47	Pass	
	3624.99	Edge_1RB_Left	16.64	16.49	19.58	30.96	30.84	33.91	<=47	Pass	
		Edge_1RB_Right	16.09	16.19	19.15	30.41	30.54	33.49	<=47	Pass	
		Outer_Full	16.33	16.31	19.33	30.65	30.66	33.67	<=47	Pass	
		Inner_Full	16.17	16.68	19.44	30.49	31.03	33.78	<=47	Pass	

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	3694.98	Inner_1RB_Left	15.78	16.16	18.98	30.10	30.51	33.32	<=47	Pass
		Inner_1RB_Right	15.66	16.17	18.93	29.98	30.52	33.27	<=47	Pass
	3694.98	Edge_1RB_Left	15.47	15.51	18.50	29.79	29.86	32.84	<=47	Pass
		Edge_1RB_Right	15.78	16.66	19.25	30.10	31.01	33.59	<=47	Pass
		Outer_Full	16.41	15.50	18.99	30.73	29.85	33.32	<=47	Pass
		Inner_Full	16.06	15.97	19.03	30.38	30.32	33.36	<=47	Pass
		Inner_1RB_Left	15.67	16.35	19.03	29.99	30.70	33.37	<=47	Pass
		Inner_1RB_Right	16.16	16.51	19.35	30.48	30.86	33.68	<=47	Pass

Note1: Antenna Gain: Ant1: 14.32dBi; Ant2: 14.35dBi;
 Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

2.3 30k_MIMO_10MHz_NTNV_PSD

2.3.1 Test Result

5G NR n48 SCS=30kHz MIMO 10MHz NTNv											
Modulation	Frequency (MHz)	RB Allocation	Conducted PSD(dBm/MHz)			E.I.R.PSD(dBm/MHz)				Verdict	
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit		
CP-OFDM QPSK	3555	Inner_1RB_Right	17.93	18.38	21.17	32.25	32.73	35.51	<=37	Pass	
		Edge_1RB_Left	18.91	18.62	21.78	33.23	32.97	36.11	<=37	Pass	
		Edge_1RB_Right	19.66	18.31	22.05	33.98	32.66	36.38	<=37	Pass	
		Outer_Full	10.70	10.19	13.46	25.02	24.54	27.80	<=37	Pass	
		Inner_Full	13.06	13.08	16.08	27.38	27.43	30.42	<=37	Pass	
		Inner_1RB_Left	17.99	18.74	21.39	32.31	33.09	35.73	<=37	Pass	
	3624.99	Inner_1RB_Right	18.25	18.83	21.56	32.57	33.18	35.90	<=37	Pass	
		Edge_1RB_Left	18.60	18.96	21.79	32.92	33.31	36.13	<=37	Pass	
		Edge_1RB_Right	18.79	18.28	21.55	33.11	32.63	35.89	<=37	Pass	
		Outer_Full	9.73	9.74	12.75	24.05	24.09	27.08	<=37	Pass	
		Inner_Full	12.72	12.85	15.80	27.04	27.20	30.13	<=37	Pass	
		Inner_1RB_Left	18.96	17.82	21.44	33.28	32.17	35.77	<=37	Pass	
	3694.98	Inner_1RB_Right	18.78	18.19	21.51	33.10	32.54	35.84	<=37	Pass	
		Edge_1RB_Left	17.50	18.05	20.79	31.82	32.40	35.13	<=37	Pass	
		Edge_1RB_Right	18.44	18.03	21.25	32.76	32.38	35.58	<=37	Pass	
		Outer_Full	9.22	9.85	12.56	23.54	24.20	26.89	<=37	Pass	
		Inner_Full	12.40	12.42	15.42	26.72	26.77	29.76	<=37	Pass	
		Inner_1RB_Left	18.44	18.83	21.65	32.76	33.18	35.99	<=37	Pass	
	CP-OFDM 16 QAM	3555	Inner_1RB_Right	17.62	17.75	20.70	31.94	32.10	35.03	<=37	Pass
			Edge_1RB_Left	19.49	18.92	22.22	33.81	33.27	36.56	<=37	Pass
			Edge_1RB_Right	18.72	19.19	21.97	33.04	33.54	36.31	<=37	Pass
			Outer_Full	10.45	10.30	13.39	24.77	24.65	27.72	<=37	Pass
			Inner_Full	13.37	13.14	16.27	27.69	27.49	30.60	<=37	Pass
			Inner_1RB_Left	19.18	18.58	21.90	33.50	32.93	36.23	<=37	Pass
3624.99		Inner_1RB_Right	17.89	19.23	21.62	32.21	33.58	35.96	<=37	Pass	
		Edge_1RB_Left	18.16	18.85	21.53	32.48	33.20	35.87	<=37	Pass	
		Edge_1RB_Right	17.80	18.11	20.97	32.12	32.46	35.30	<=37	Pass	
		Outer_Full	10.15	10.27	13.22	24.47	24.62	27.56	<=37	Pass	
		Inner_Full	12.48	12.73	15.62	26.80	27.08	29.95	<=37	Pass	
		Inner_1RB_Left	18.40	18.71	21.57	32.72	33.06	35.90	<=37	Pass	
3694.98		Inner_1RB_Right	18.05	19.57	21.89	32.37	33.92	36.22	<=37	Pass	
		Edge_1RB_Left	17.71	17.26	20.50	32.03	31.61	34.84	<=37	Pass	
		Edge_1RB_Right	18.88	18.02	21.48	33.20	32.37	35.82	<=37	Pass	

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		Outer_Full	9.41	9.43	12.43	23.73	23.78	26.77	<=37	Pass
		Inner_Full	12.92	12.55	15.75	27.24	26.90	30.08	<=37	Pass
		Inner_1RB_Left	18.98	18.29	21.66	33.30	32.64	35.99	<=37	Pass
		Inner_1RB_Right	19.07	18.48	21.80	33.39	32.83	36.13	<=37	Pass
CP-OFDM 64 QAM	3555	Edge_1RB_Left	18.11	18.91	21.54	32.43	33.26	35.88	<=37	Pass
		Edge_1RB_Right	19.20	18.23	21.75	33.52	32.58	36.09	<=37	Pass
		Outer_Full	10.05	10.28	13.18	24.37	24.63	27.51	<=37	Pass
		Inner_Full	13.02	13.35	16.20	27.34	27.70	30.53	<=37	Pass
	3624.99	Inner_1RB_Left	19.14	18.91	22.04	33.46	33.26	36.37	<=37	Pass
		Inner_1RB_Right	19.58	19.34	22.47	33.90	33.69	36.81	<=37	Pass
		Edge_1RB_Left	17.74	18.94	21.39	32.06	33.29	35.73	<=37	Pass
		Edge_1RB_Right	18.62	18.08	21.37	32.94	32.43	35.70	<=37	Pass
	3694.98	Outer_Full	10.05	9.81	12.94	24.37	24.16	27.28	<=37	Pass
		Inner_Full	12.27	13.01	15.67	26.59	27.36	30.00	<=37	Pass
		Inner_1RB_Left	18.05	18.46	21.27	32.37	32.81	35.61	<=37	Pass
		Inner_1RB_Right	18.68	18.82	21.76	33.00	33.17	36.10	<=37	Pass
	3555	Edge_1RB_Left	17.93	18.27	21.11	32.25	32.62	35.45	<=37	Pass
		Edge_1RB_Right	18.74	17.82	21.31	33.06	32.17	35.65	<=37	Pass
		Outer_Full	10.02	10.00	13.02	24.34	24.35	27.36	<=37	Pass
		Inner_Full	12.84	12.25	15.57	27.16	26.60	29.90	<=37	Pass
CP-OFDM 256 QAM	3624.99	Inner_1RB_Left	18.35	18.25	21.31	32.67	32.60	35.65	<=37	Pass
		Inner_1RB_Right	17.89	19.05	21.52	32.21	33.40	35.86	<=37	Pass
		Edge_1RB_Left	17.66	17.45	20.57	31.98	31.80	34.90	<=37	Pass
		Edge_1RB_Right	17.43	17.21	20.33	31.75	31.56	34.67	<=37	Pass
	3694.98	Outer_Full	8.81	8.80	11.82	23.13	23.15	26.15	<=37	Pass
		Inner_Full	11.35	11.68	14.53	25.67	26.03	28.86	<=37	Pass
		Inner_1RB_Left	18.05	17.15	20.63	32.37	31.50	34.97	<=37	Pass
		Inner_1RB_Right	16.87	17.03	19.96	31.19	31.38	34.30	<=37	Pass
	3555	Edge_1RB_Left	17.16	16.80	19.99	31.48	31.15	34.33	<=37	Pass
		Edge_1RB_Right	16.70	16.88	19.80	31.02	31.23	34.14	<=37	Pass
		Outer_Full	8.09	8.31	11.21	22.41	22.66	25.55	<=37	Pass
		Inner_Full	11.18	10.59	13.91	25.50	24.94	28.24	<=37	Pass
	3624.99	Inner_1RB_Left	17.03	16.43	19.75	31.35	30.78	34.08	<=37	Pass
		Inner_1RB_Right	16.61	16.28	19.46	30.93	30.63	33.79	<=37	Pass
		Edge_1RB_Left	16.54	16.72	19.64	30.86	31.07	33.98	<=37	Pass
		Edge_1RB_Right	16.61	16.74	19.69	30.93	31.09	34.02	<=37	Pass
3694.98	Outer_Full	8.31	7.98	11.16	22.63	22.33	25.49	<=37	Pass	
	Inner_Full	11.76	11.28	14.54	26.08	25.63	28.87	<=37	Pass	
	Inner_1RB_Left	16.49	16.83	19.67	30.81	31.18	34.01	<=37	Pass	
	Inner_1RB_Right	16.53	16.81	19.68	30.85	31.16	34.02	<=37	Pass	

Note1: Antenna Gain: Ant1: 14.32dBi; Ant2: 14.35dBi;

Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2



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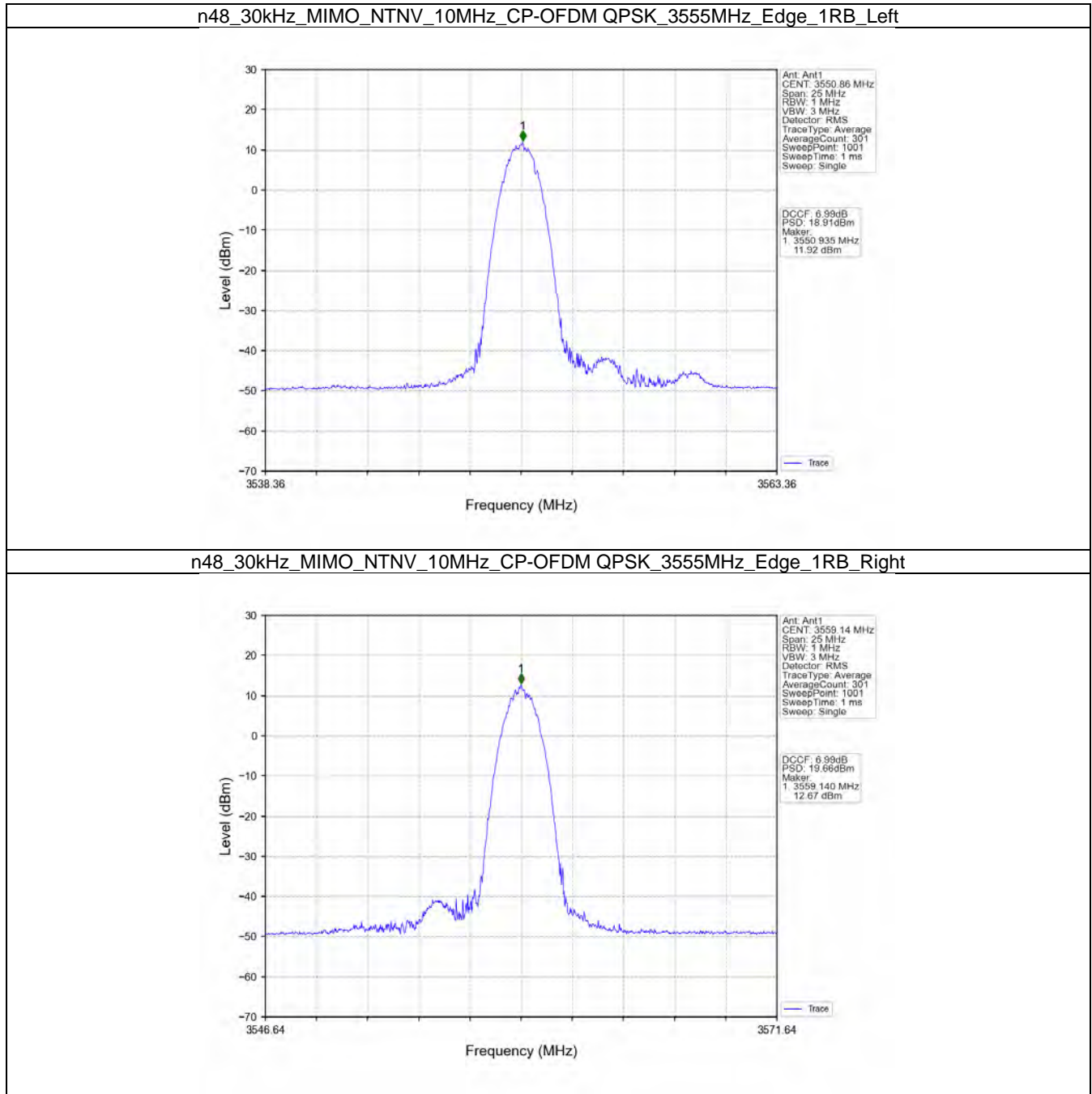
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2.3.2 Test Graph for ANT1

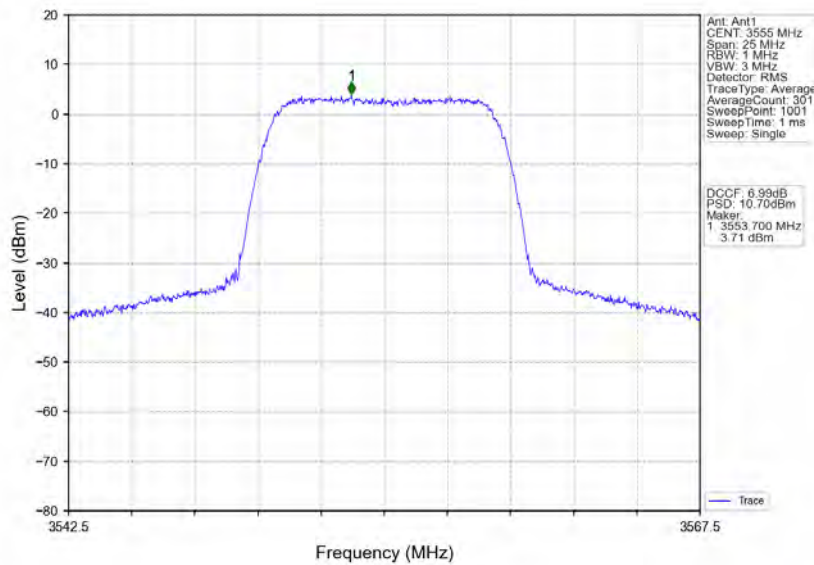


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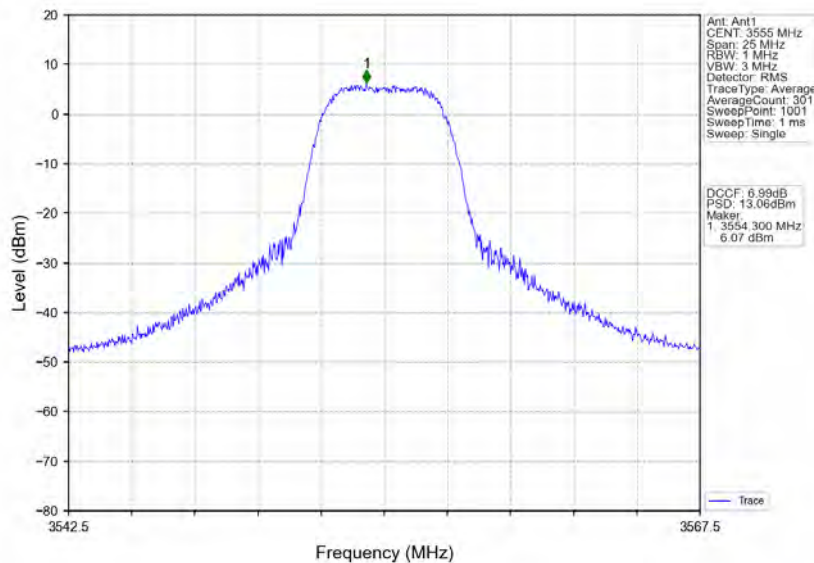
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3555MHz_Outer_Full



n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3555MHz_Inner_Full



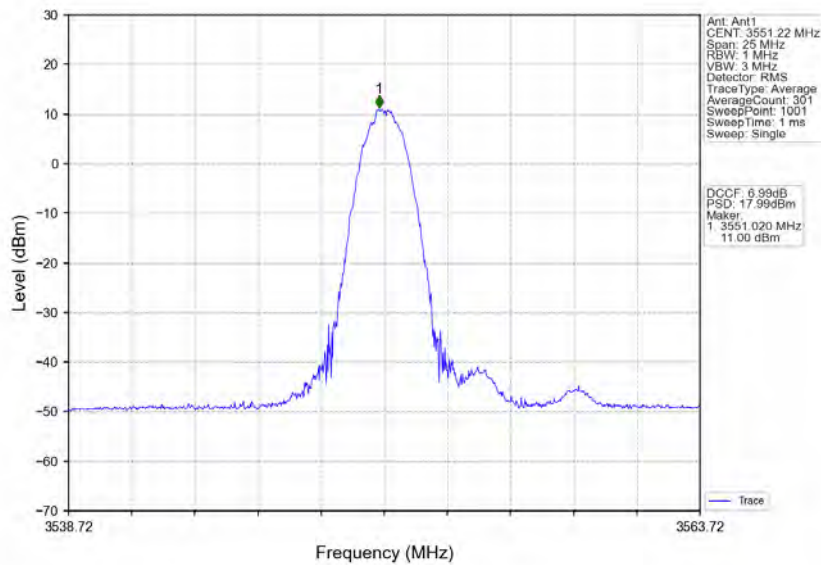
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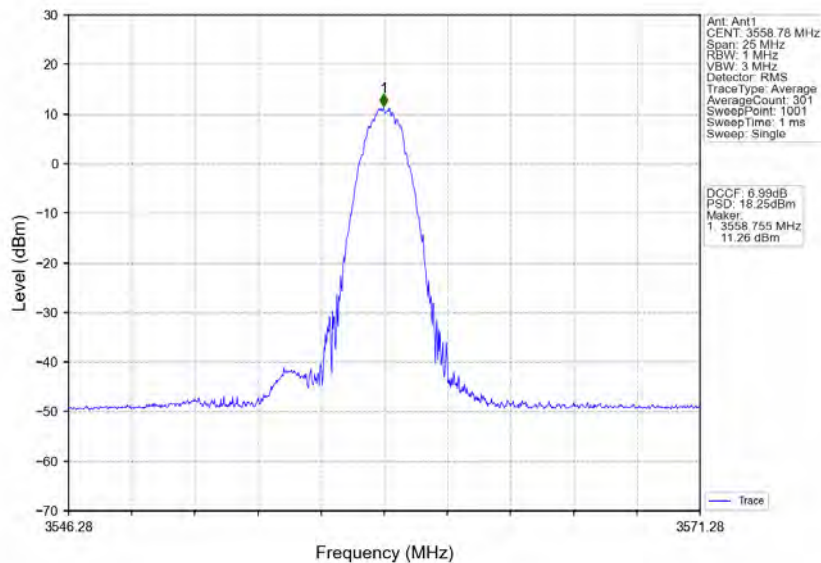
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3555MHz_Inner_1RB_Right



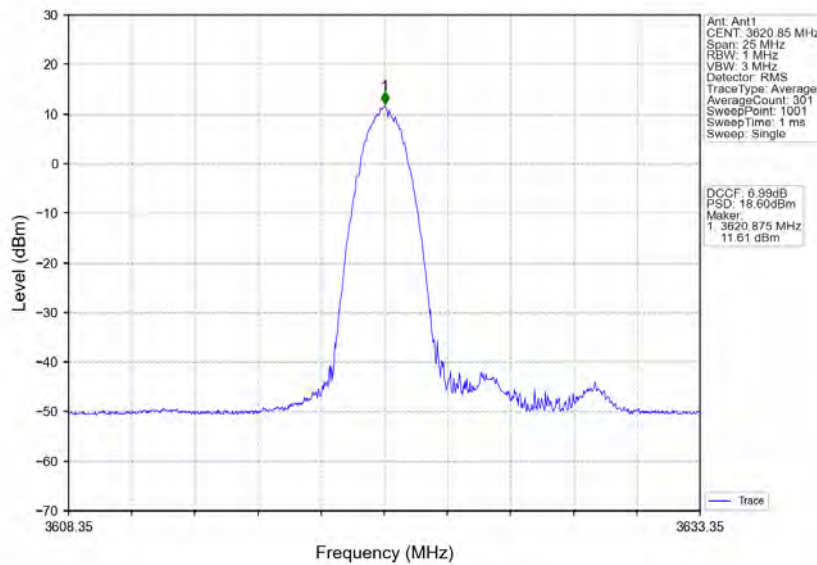
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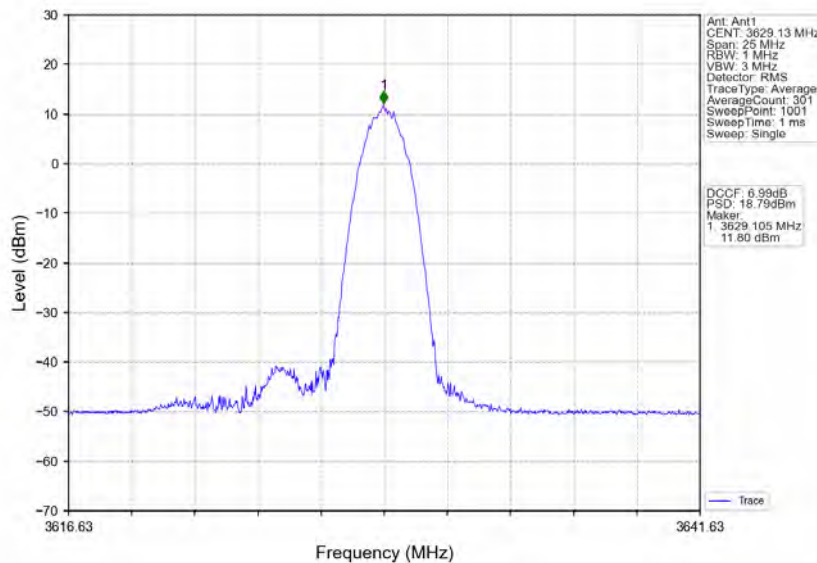
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3624.99MHz_Edge_1RB_Left



n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3624.99MHz_Edge_1RB_Right



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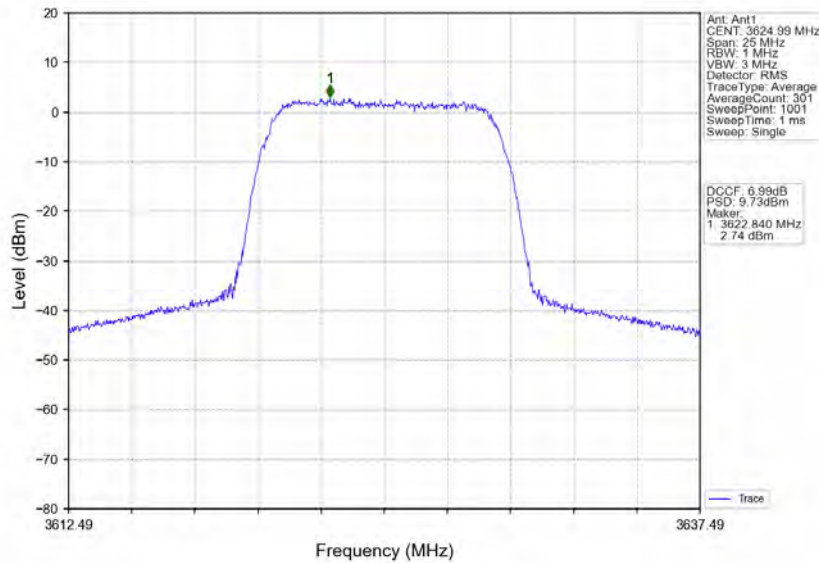
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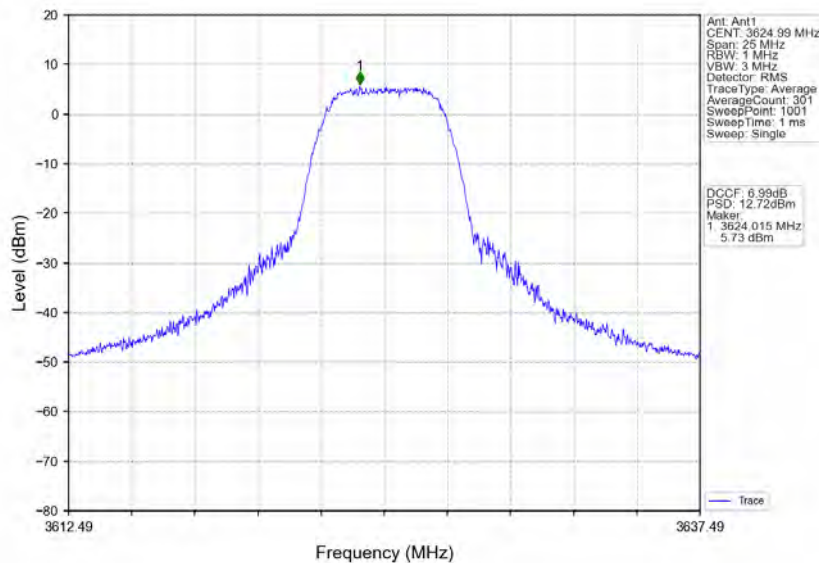
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3624.99MHz_Inner_Full



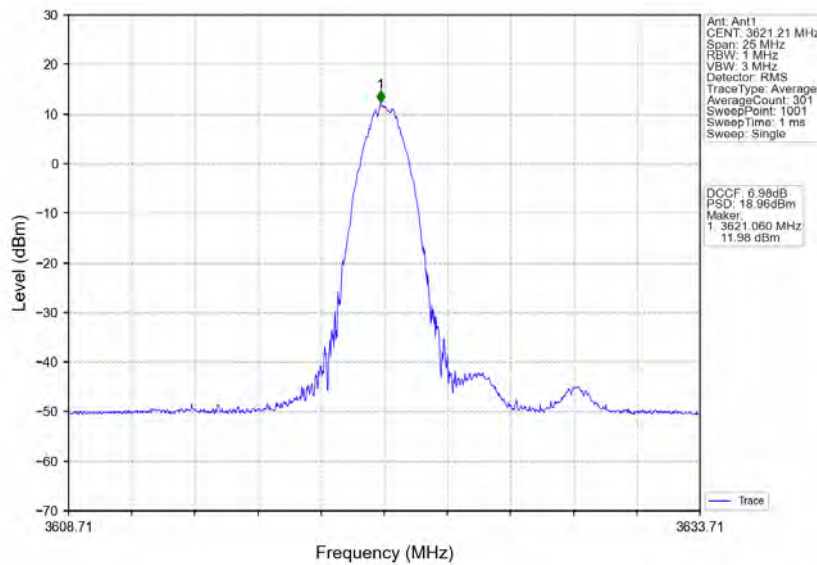
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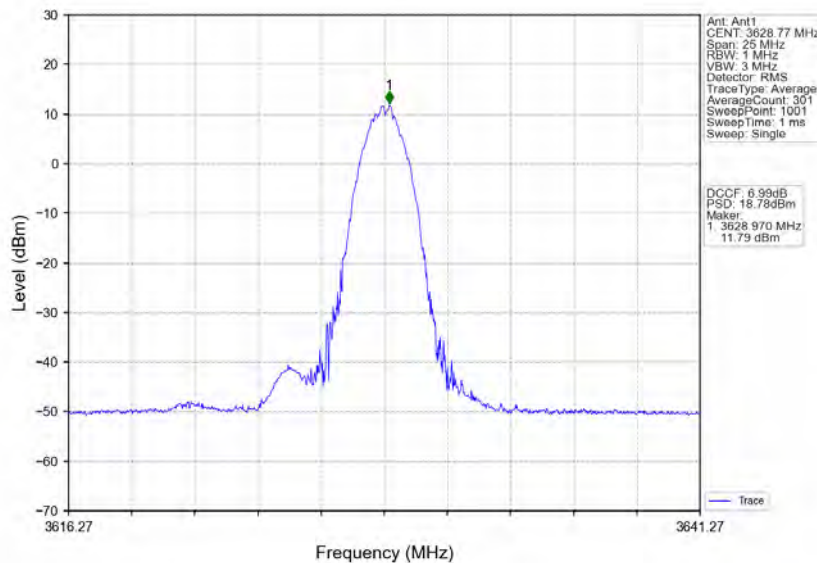
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3624.99MHz_Inner_1RB_Right



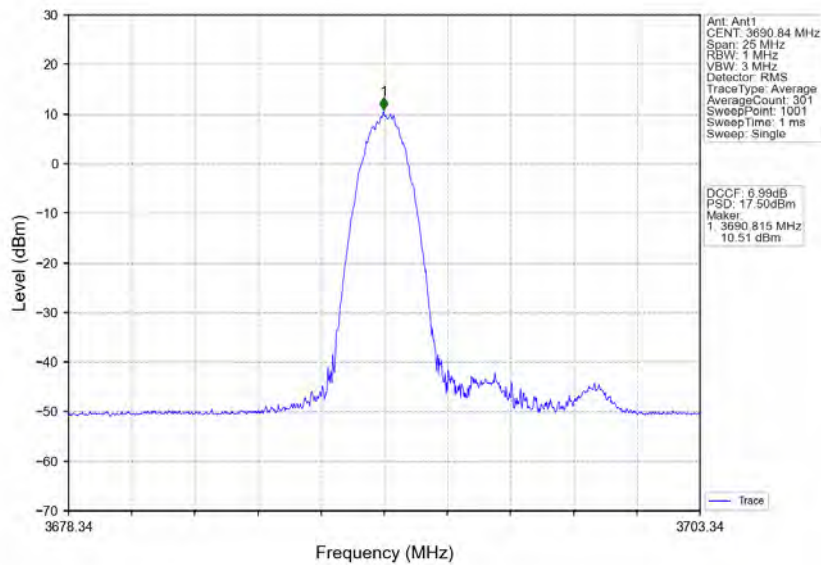
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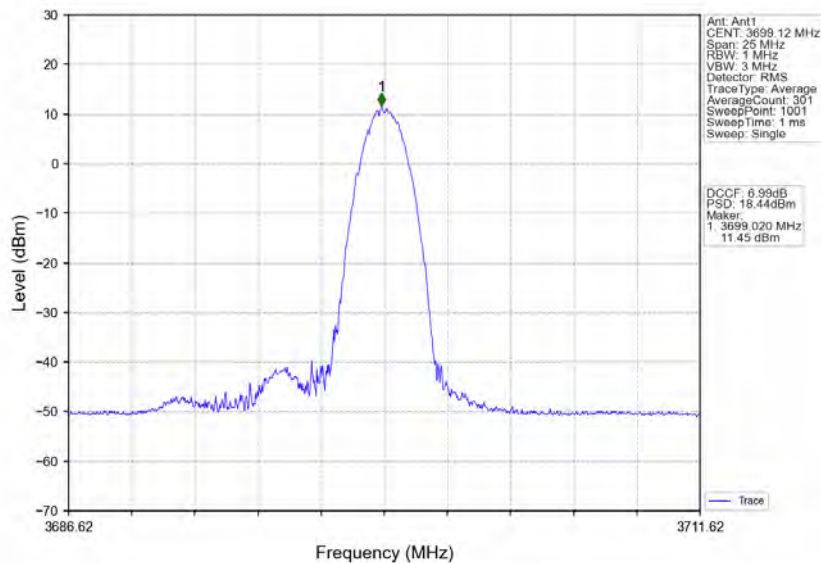
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3694.98MHz_Edge_1RB_Left



n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3694.98MHz_Edge_1RB_Right



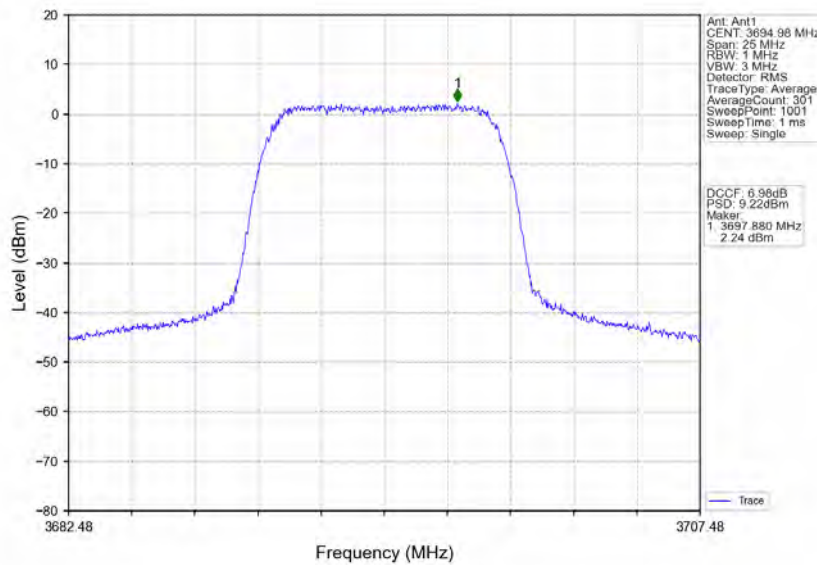
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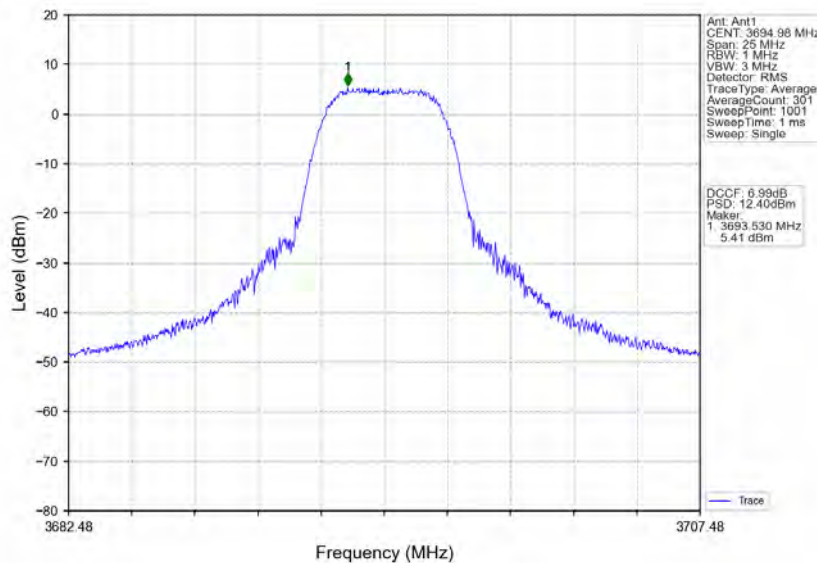
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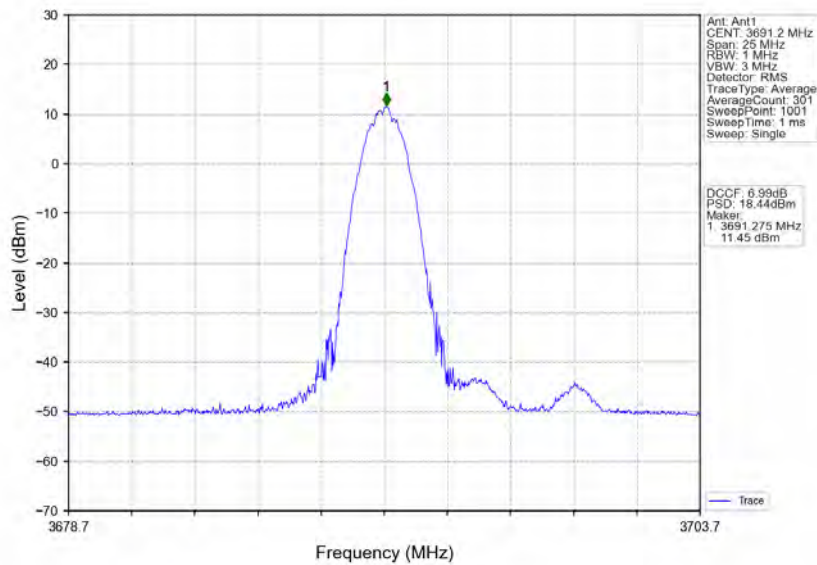
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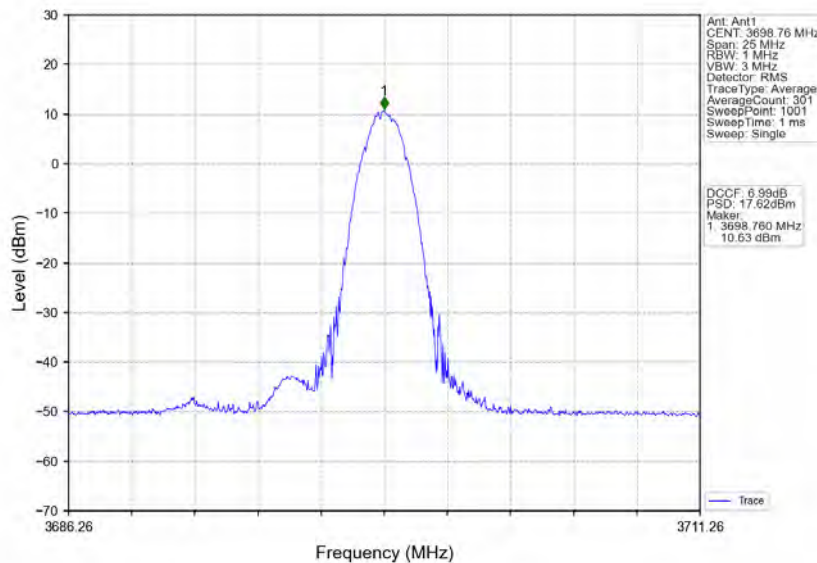
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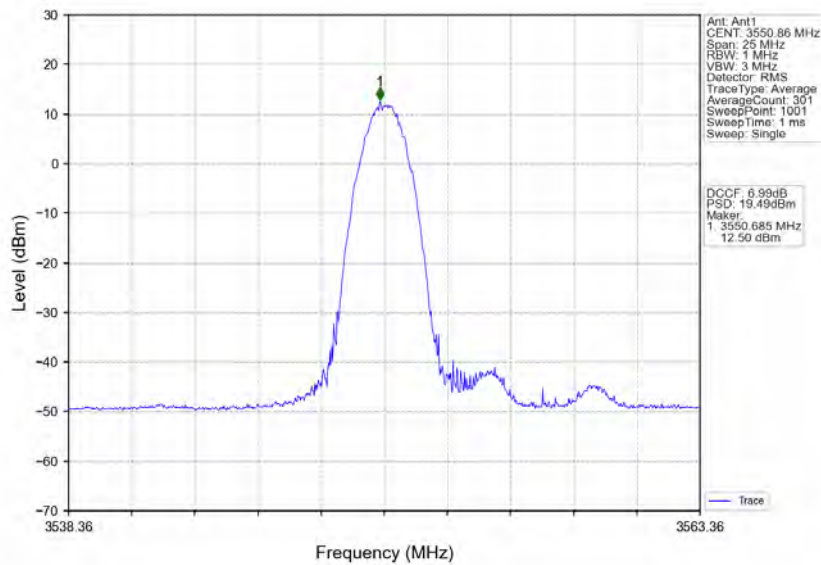
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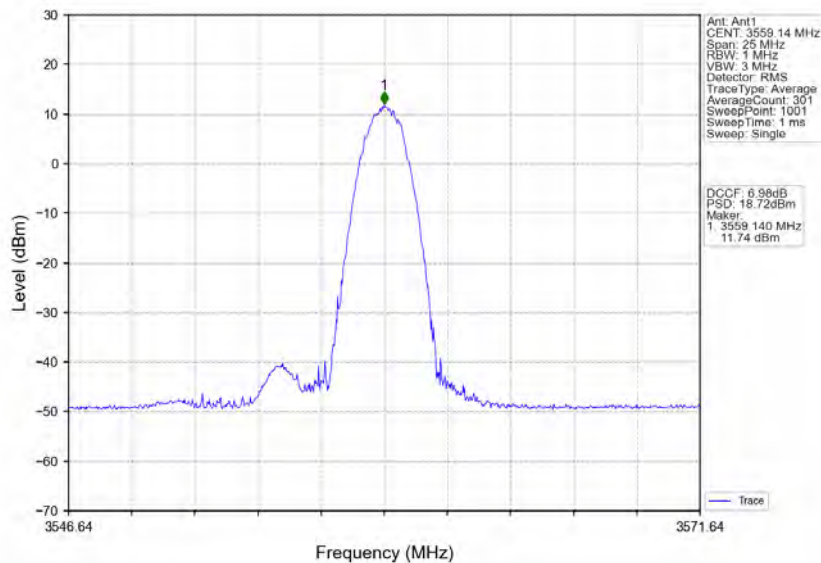
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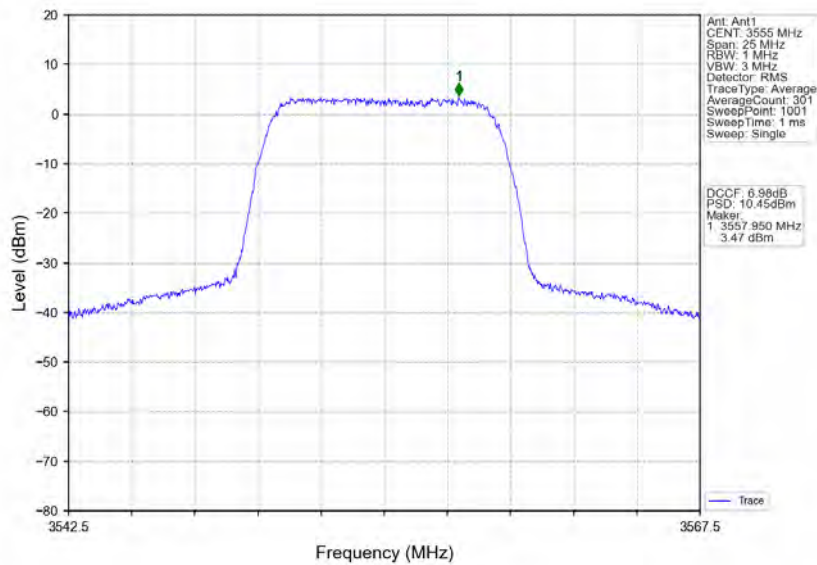
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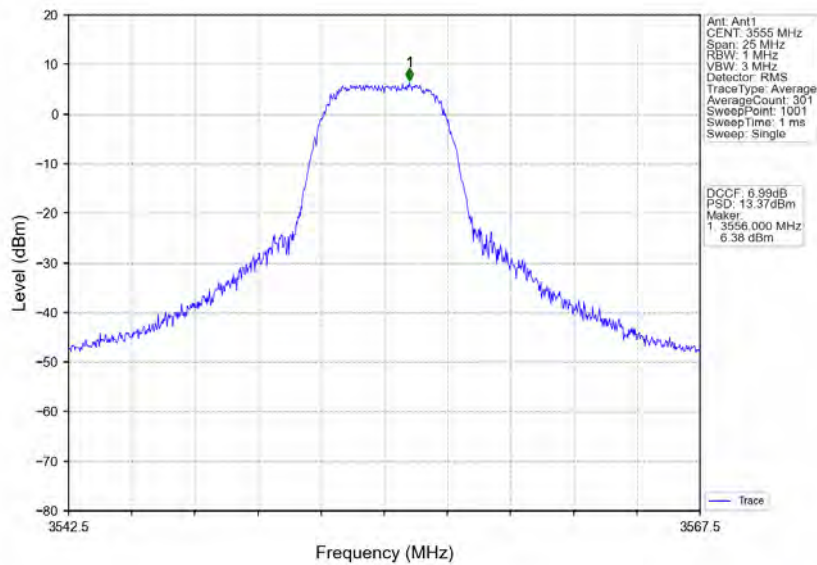
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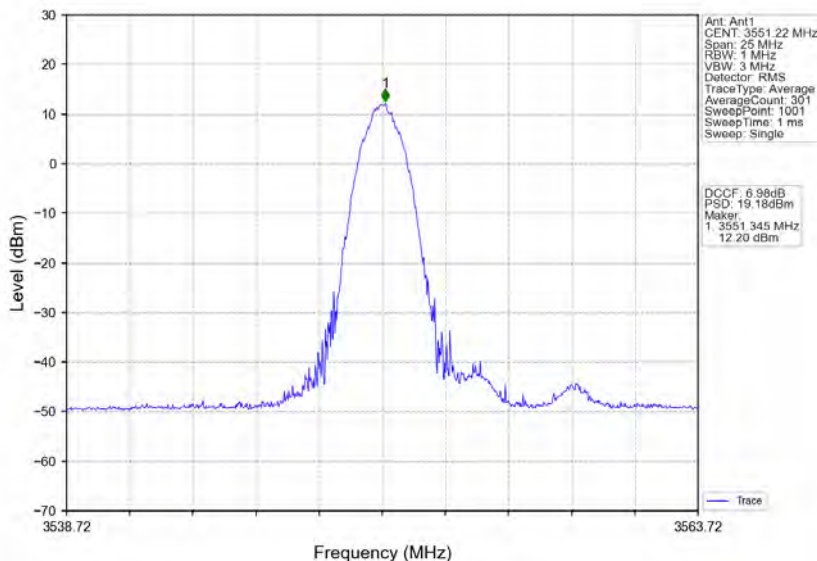
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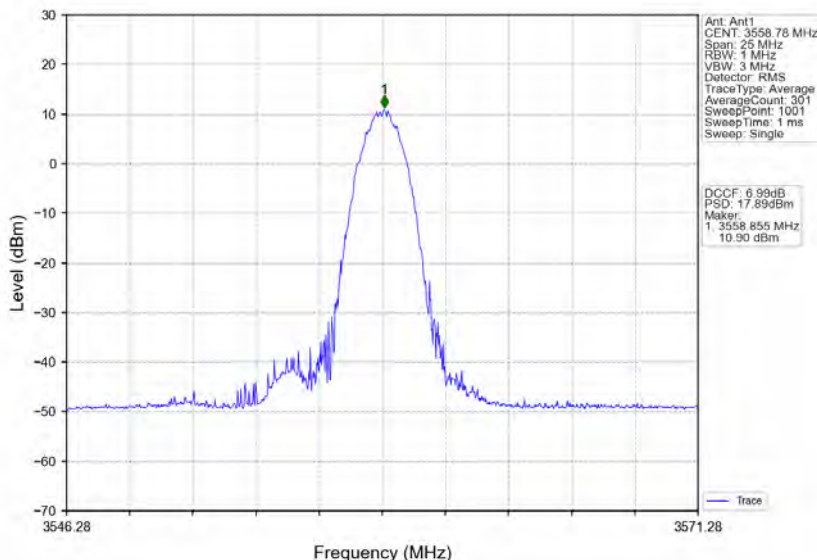
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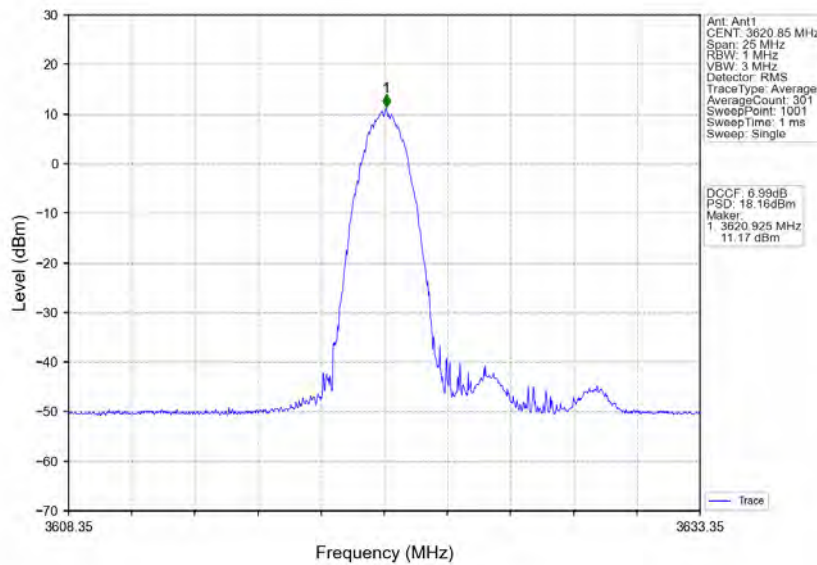
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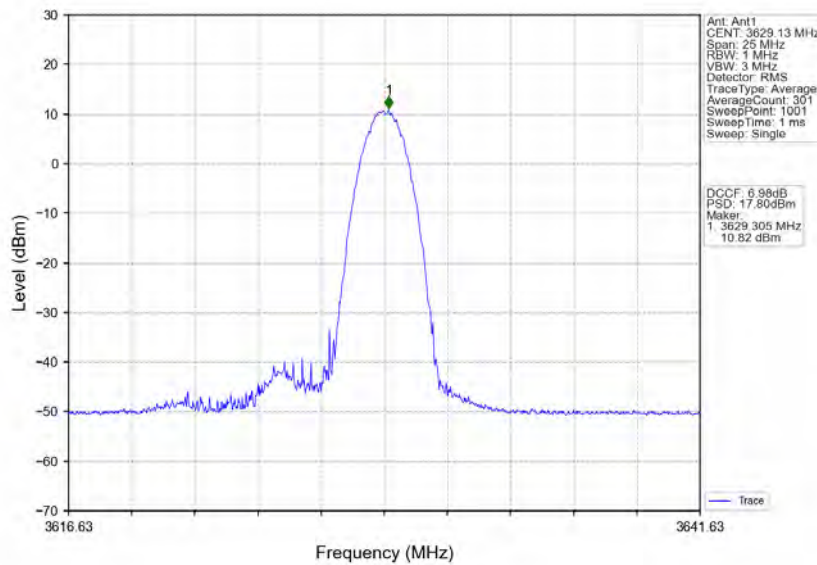
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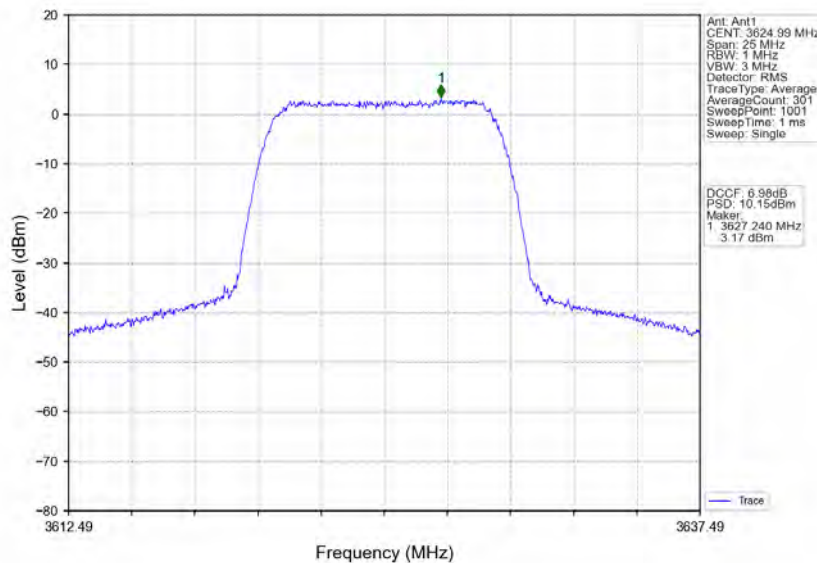
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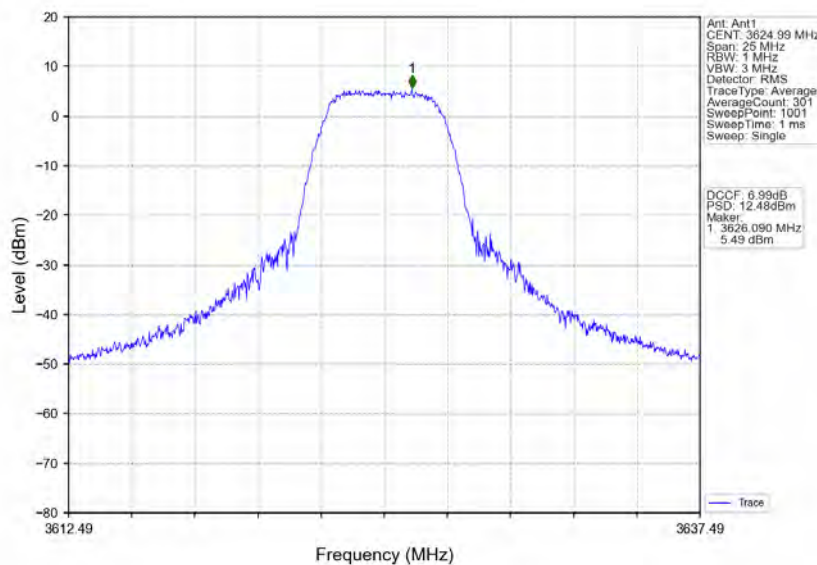
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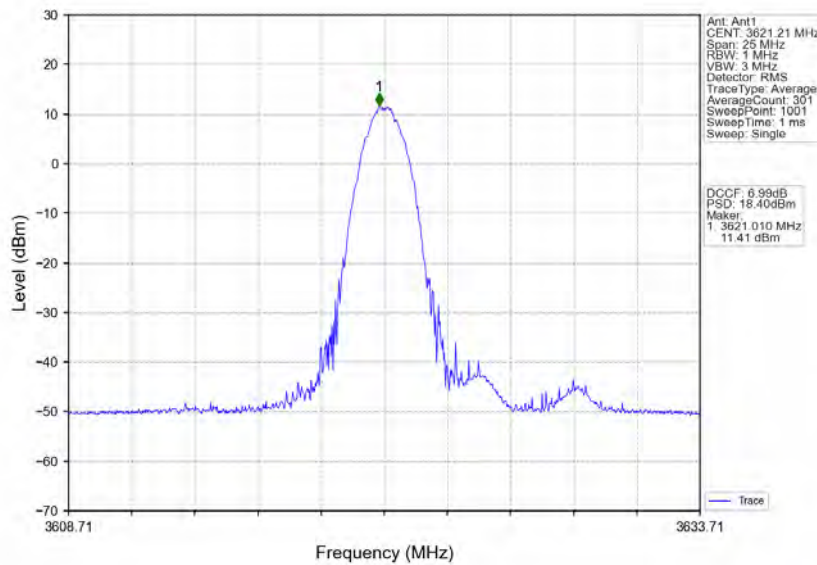
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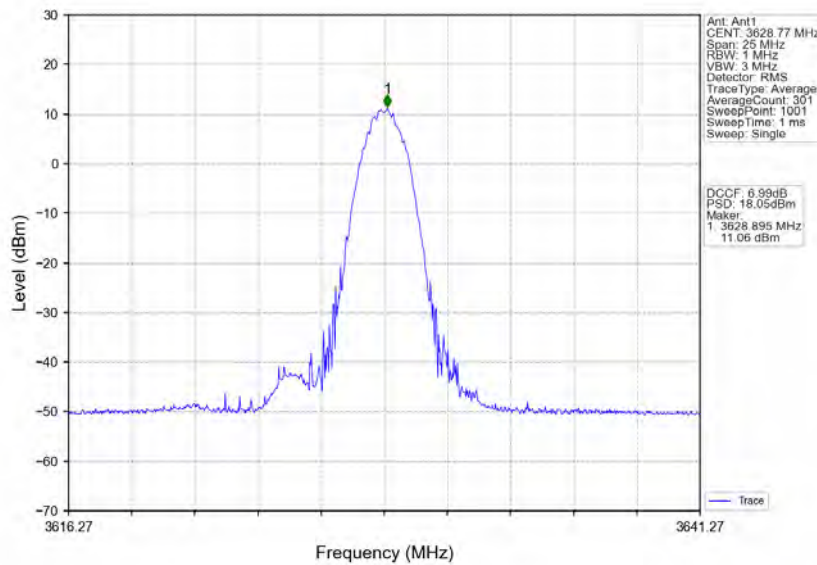
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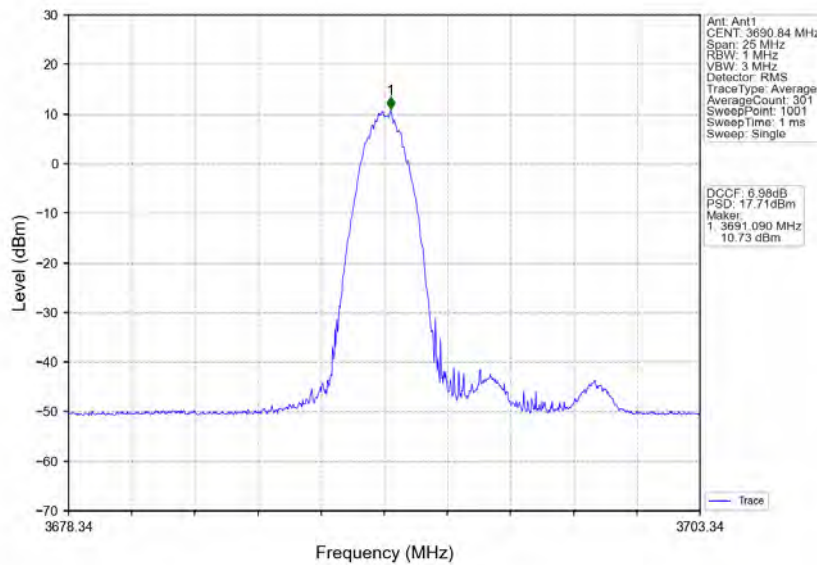
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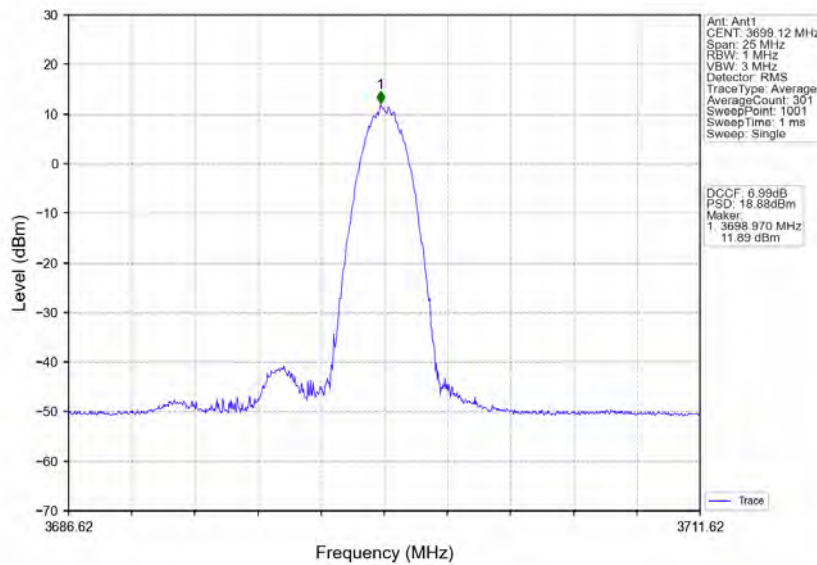
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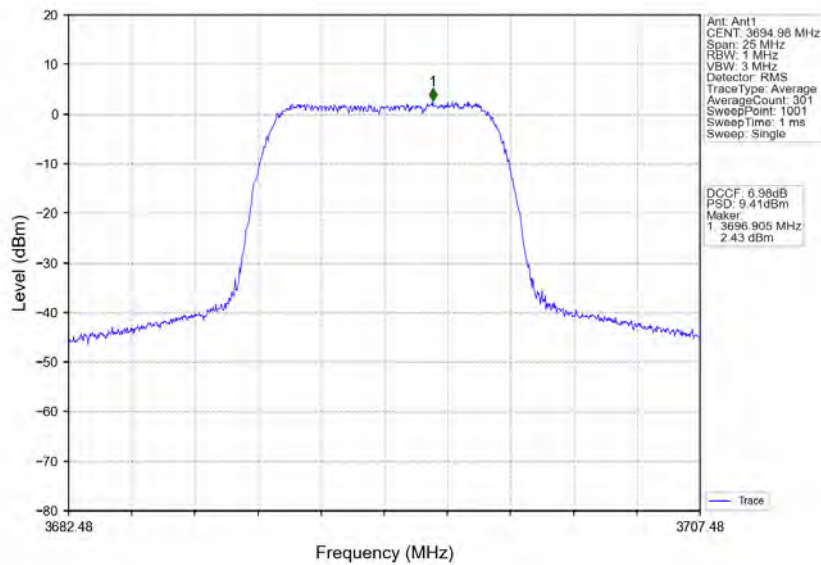
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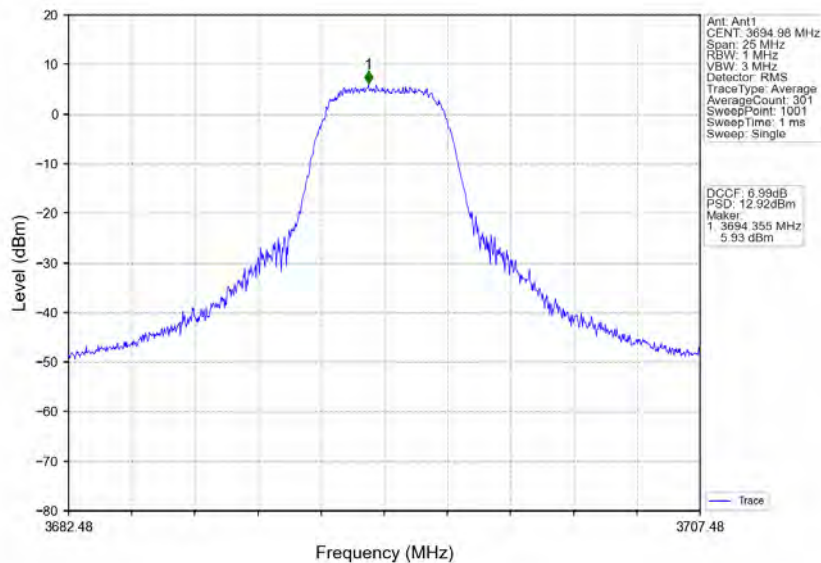
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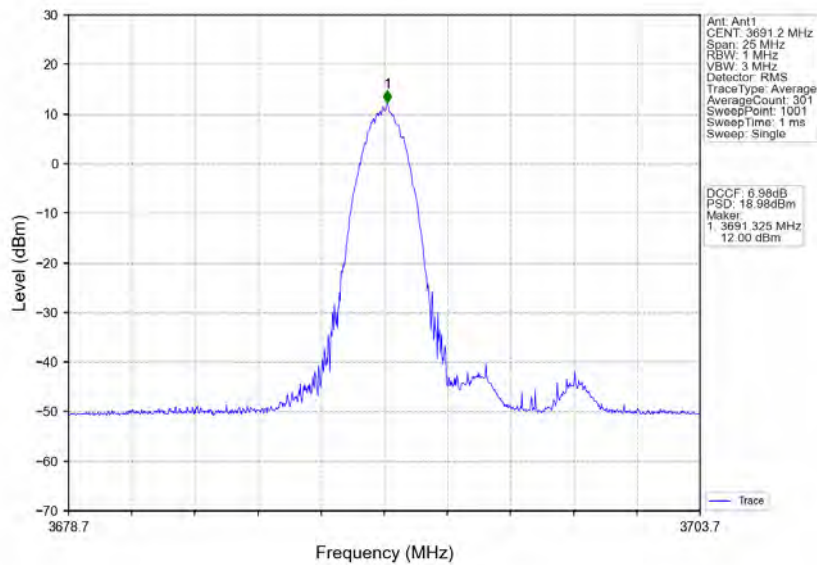
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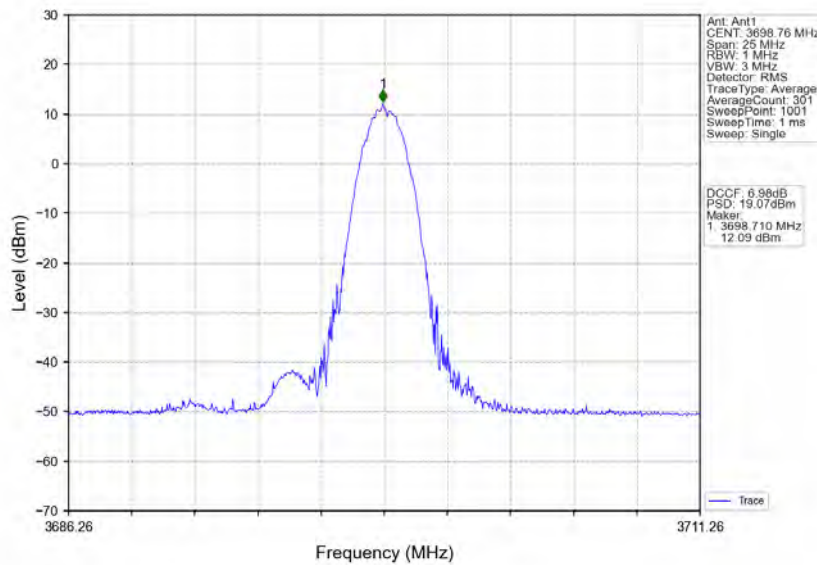
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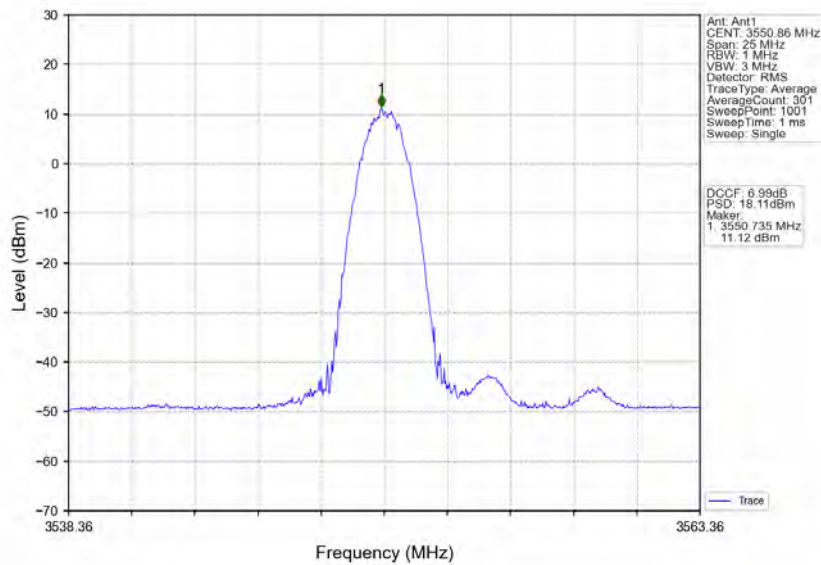
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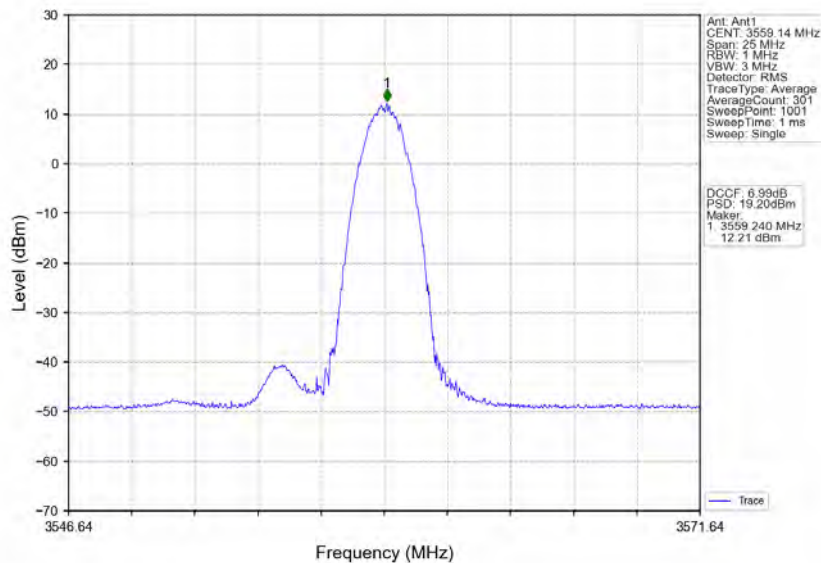
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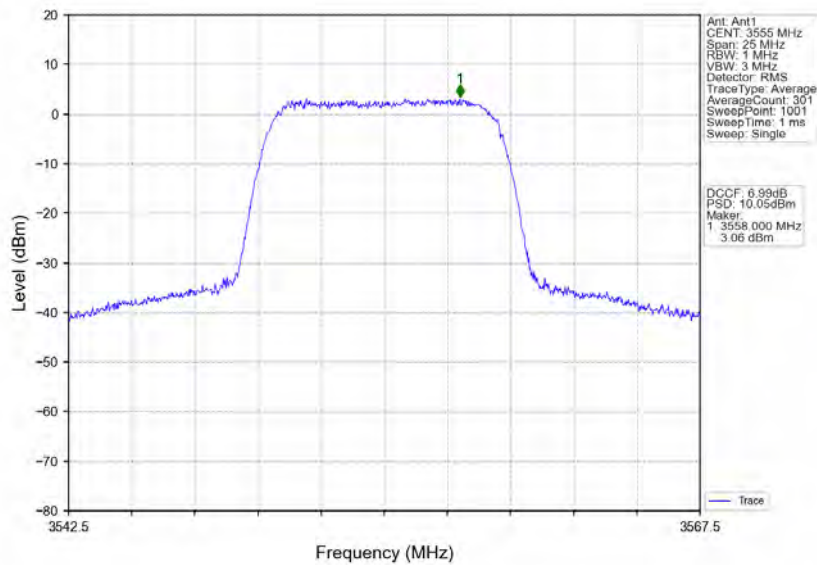
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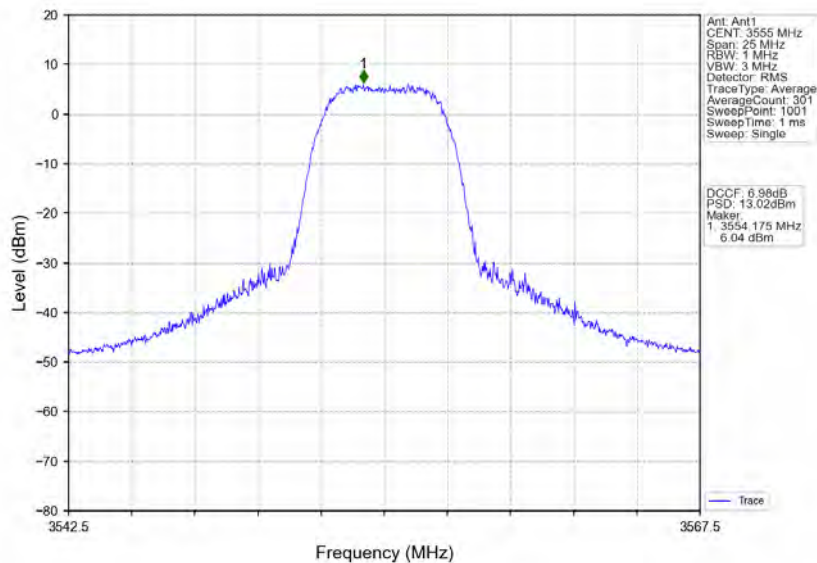
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM_64_QAM_3555MHz_Outer_Full



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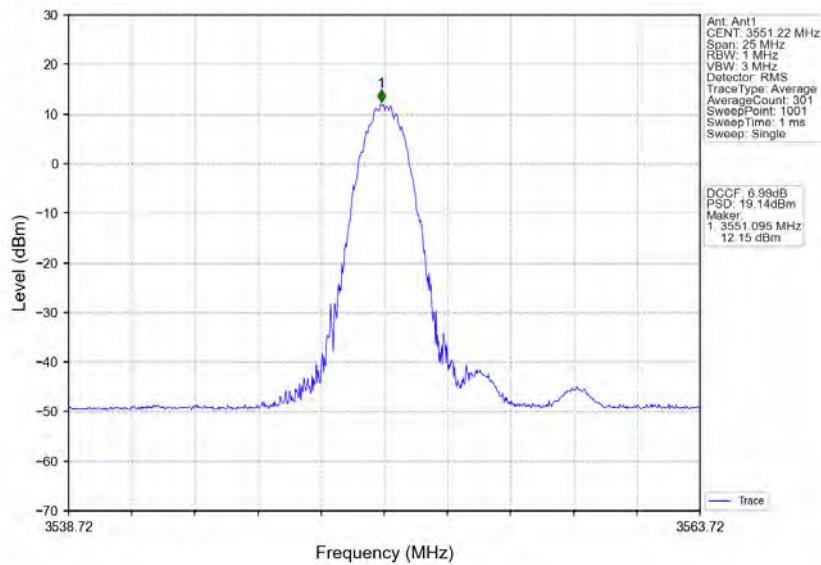
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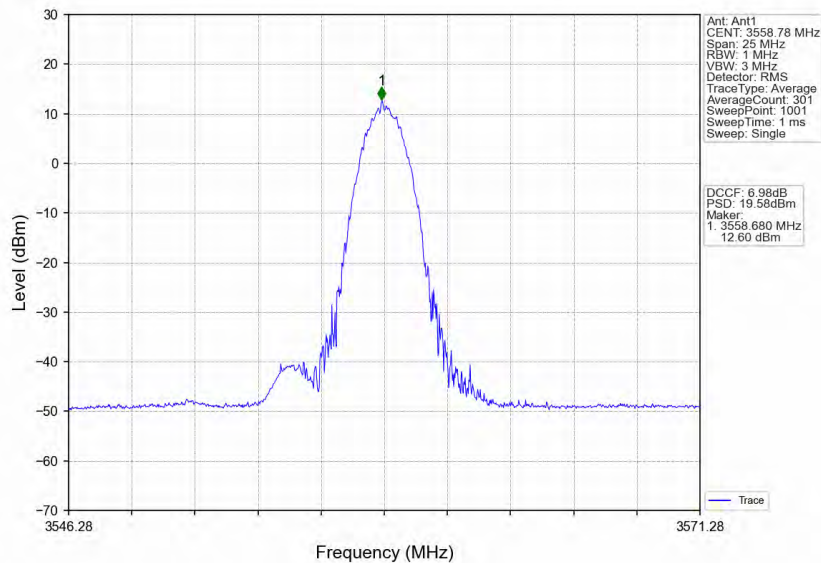
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 64 QAM_3555MHz_Inner_1RB_Left



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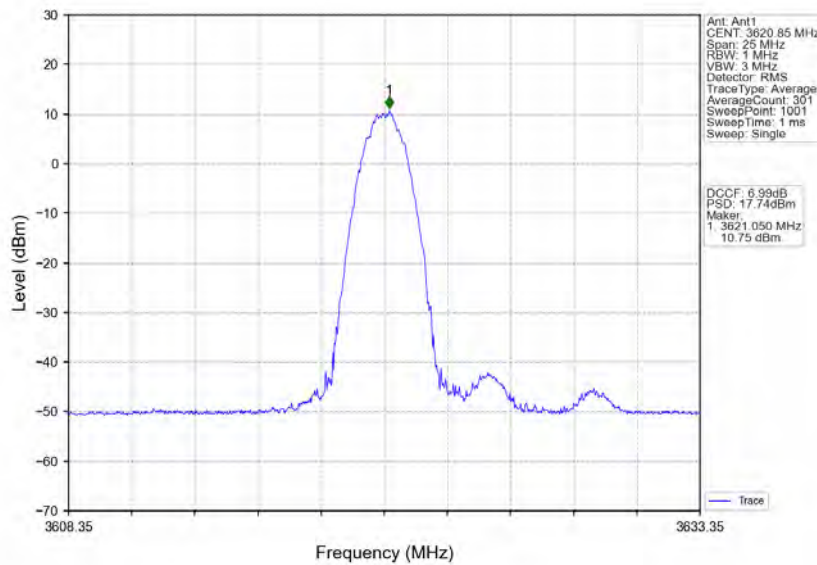
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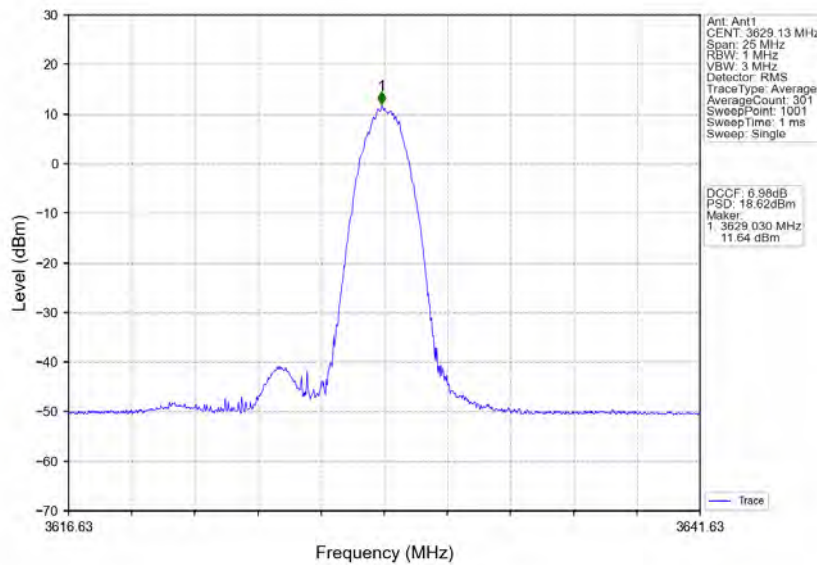
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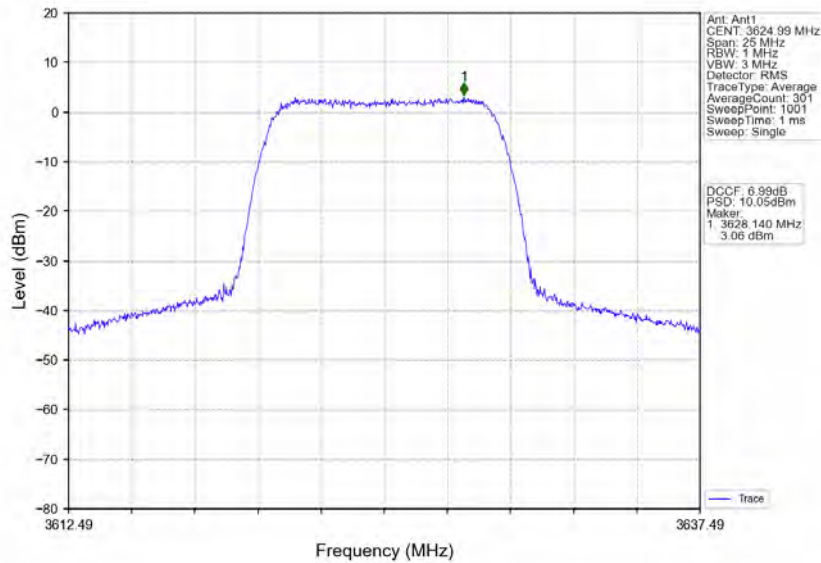
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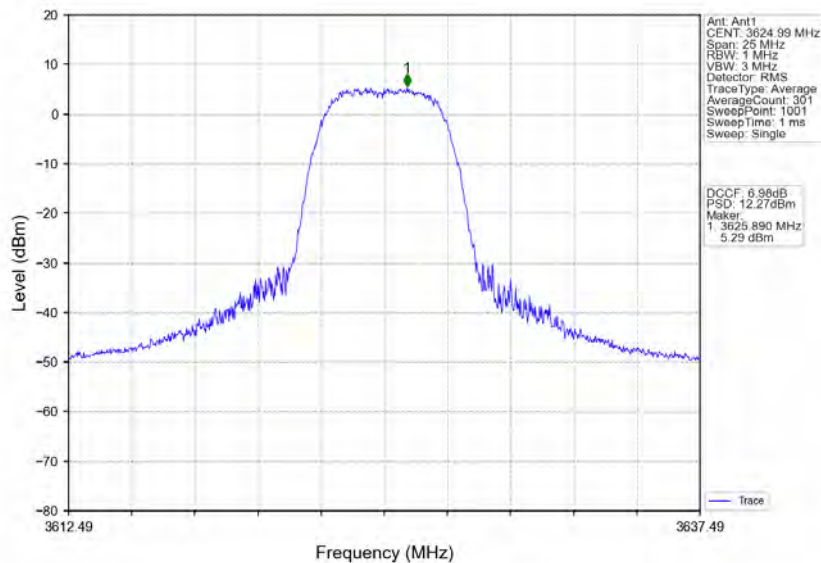
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



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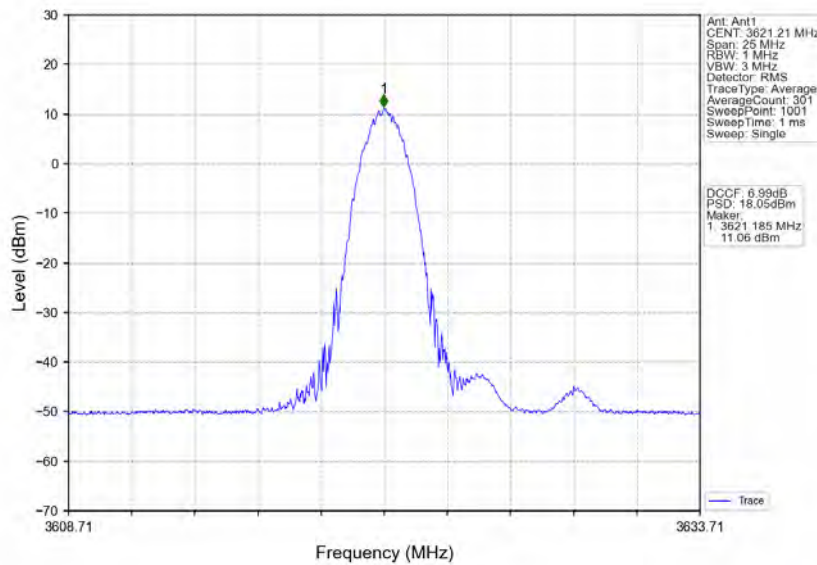
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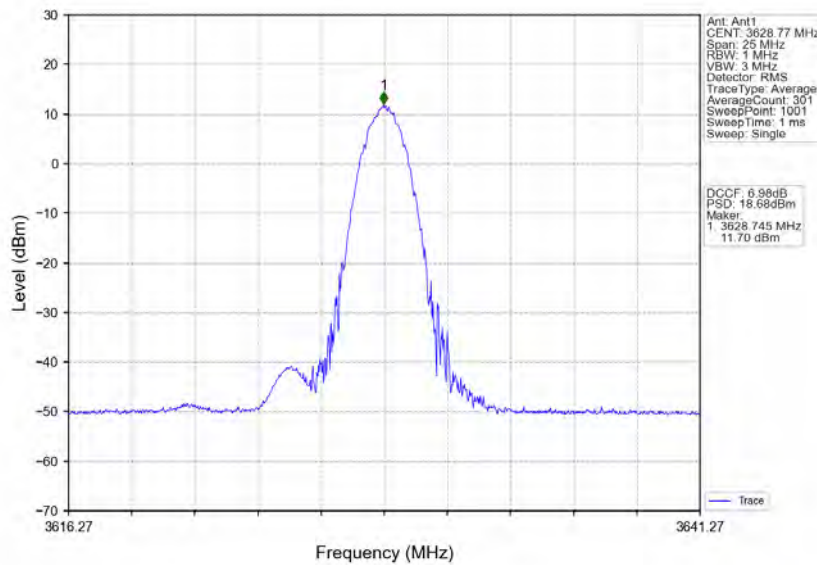
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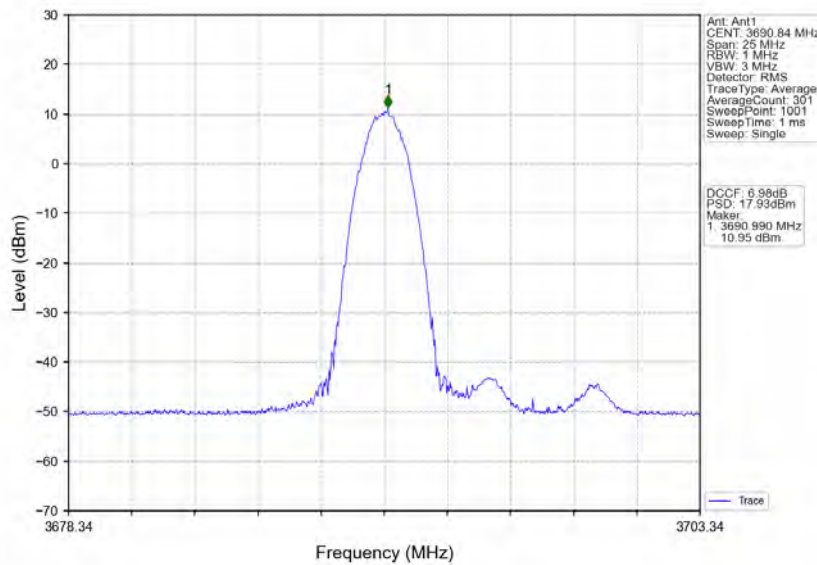
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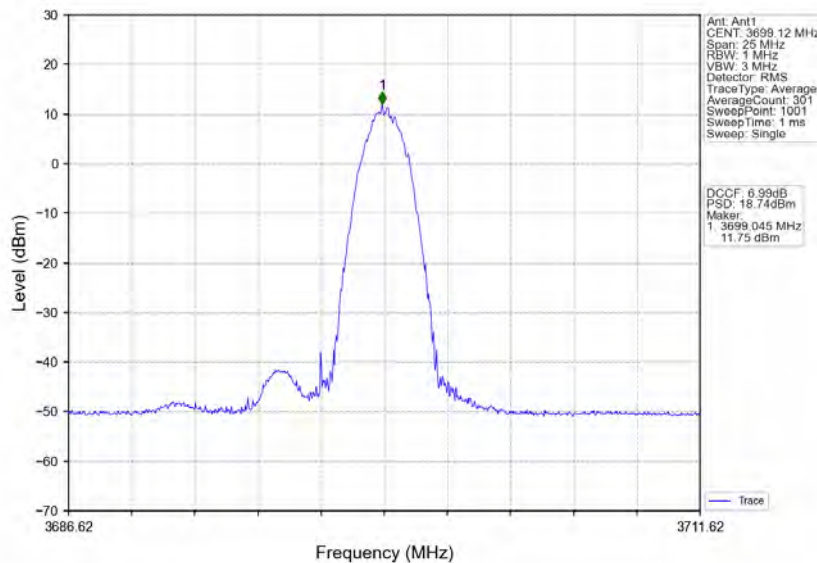
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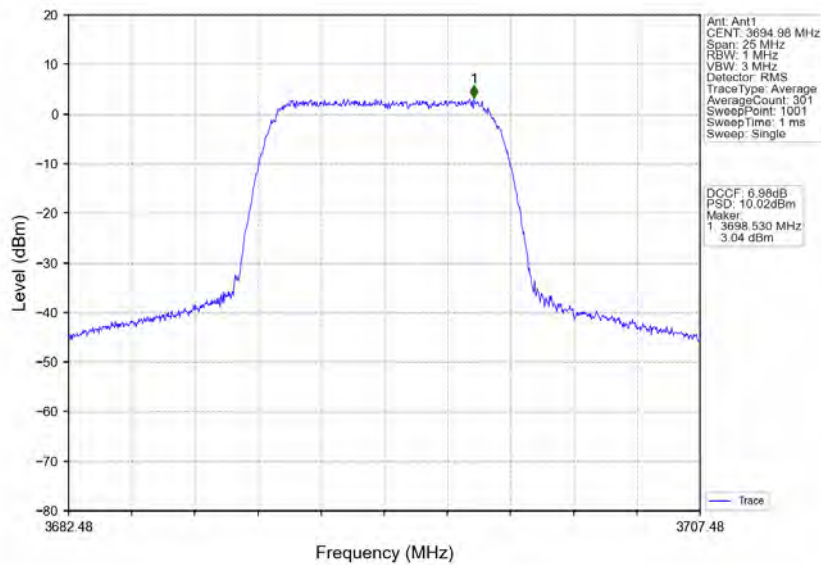
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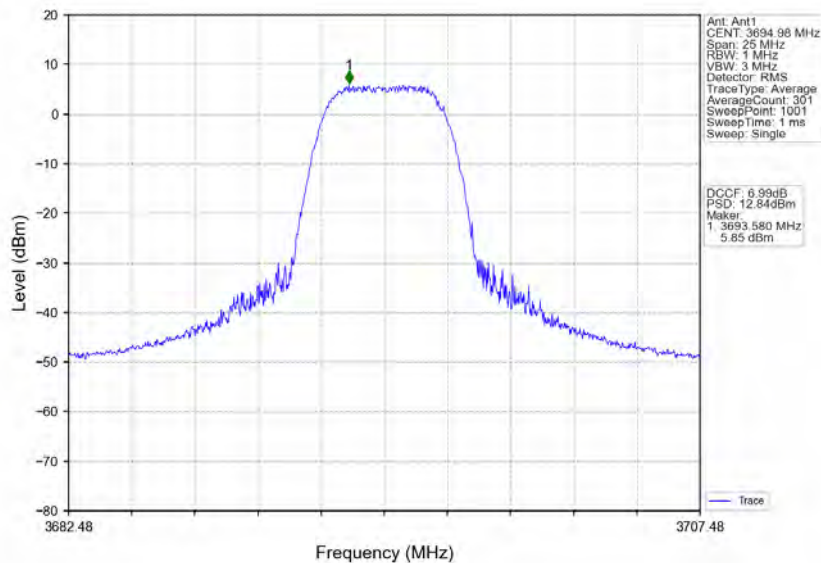
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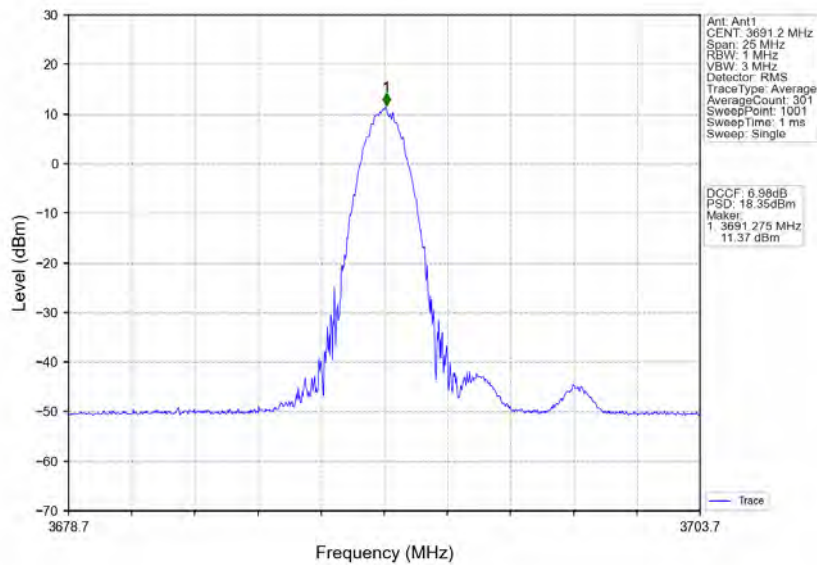
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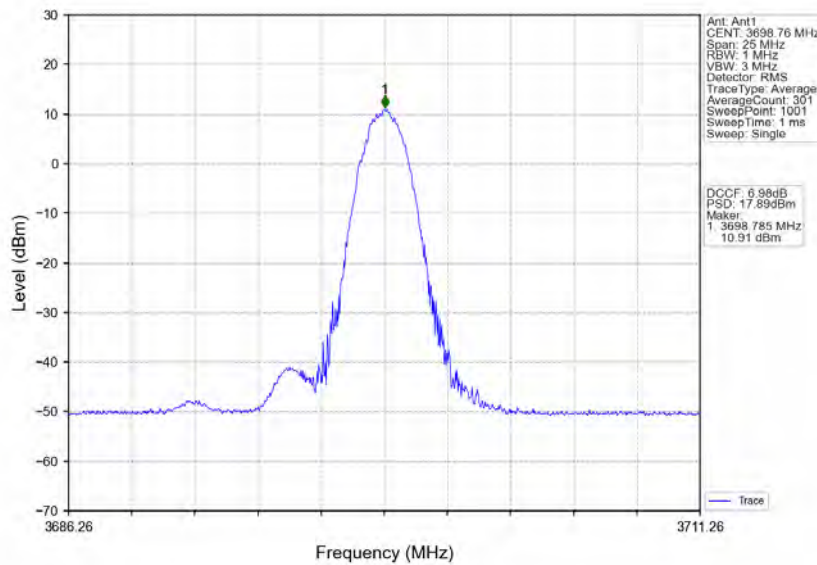
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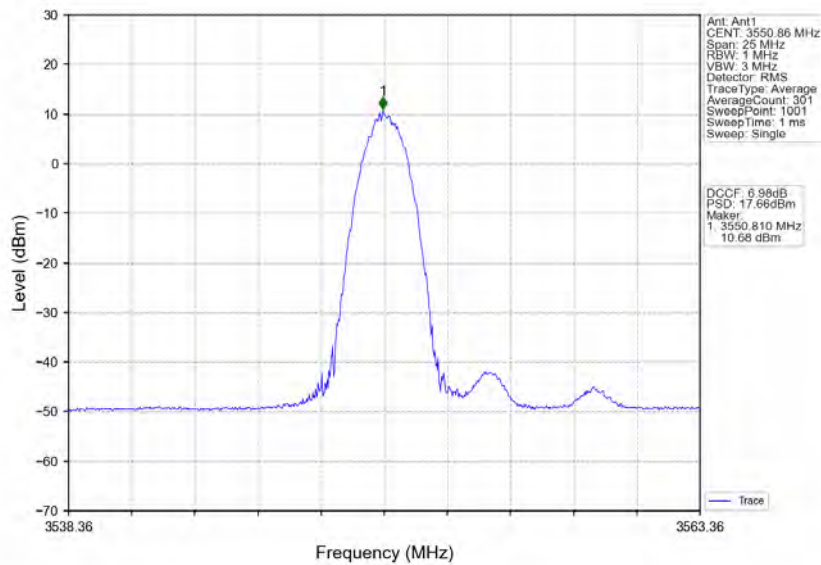
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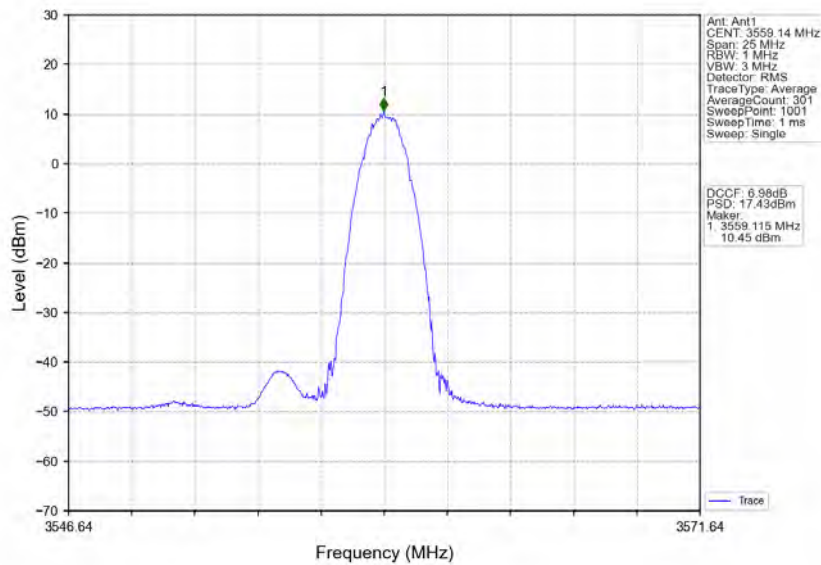
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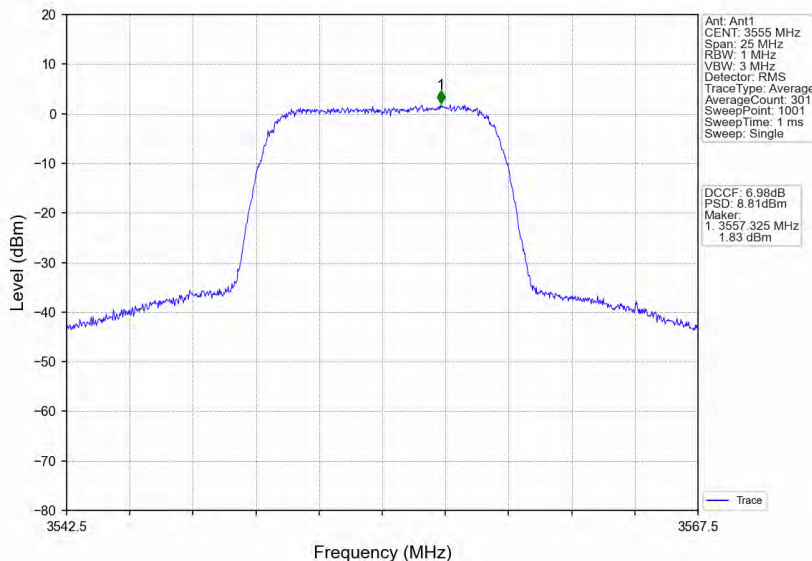
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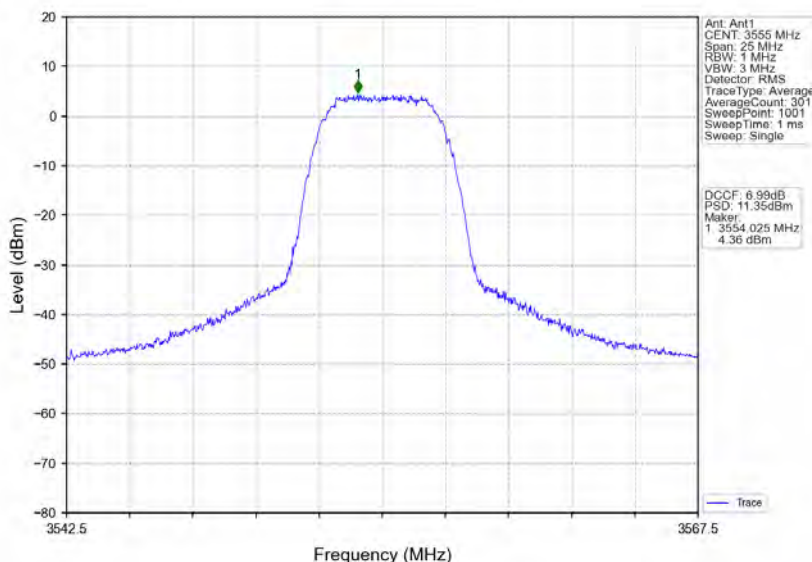
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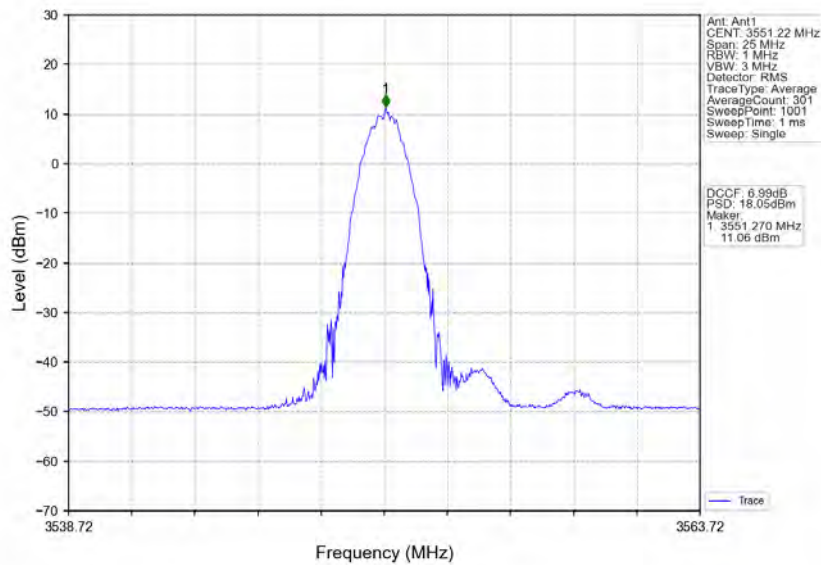
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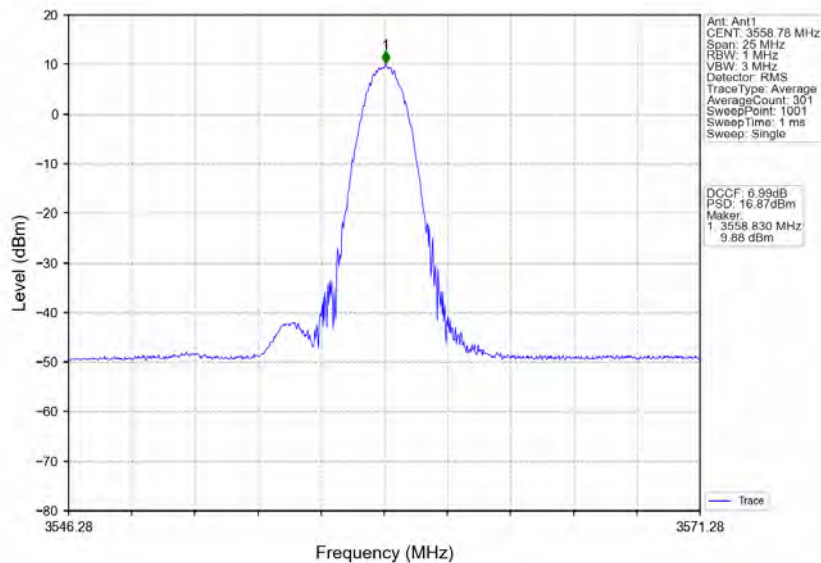
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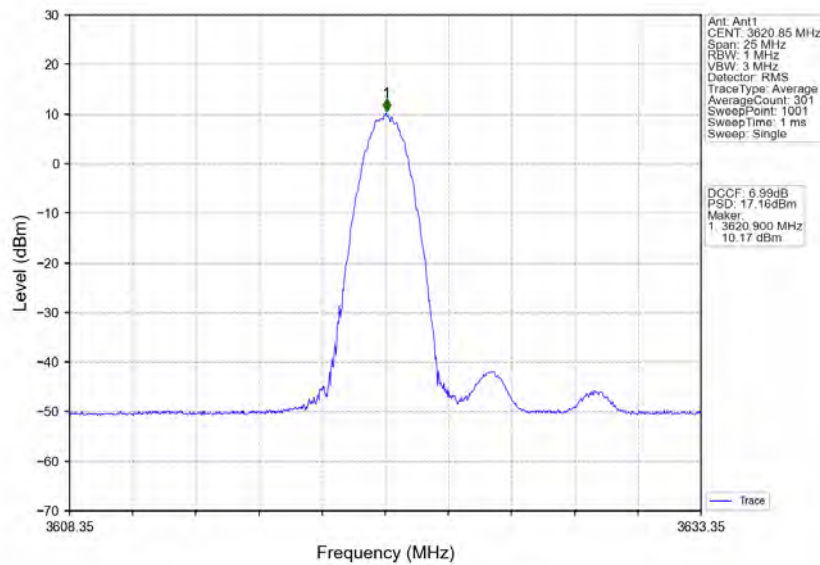
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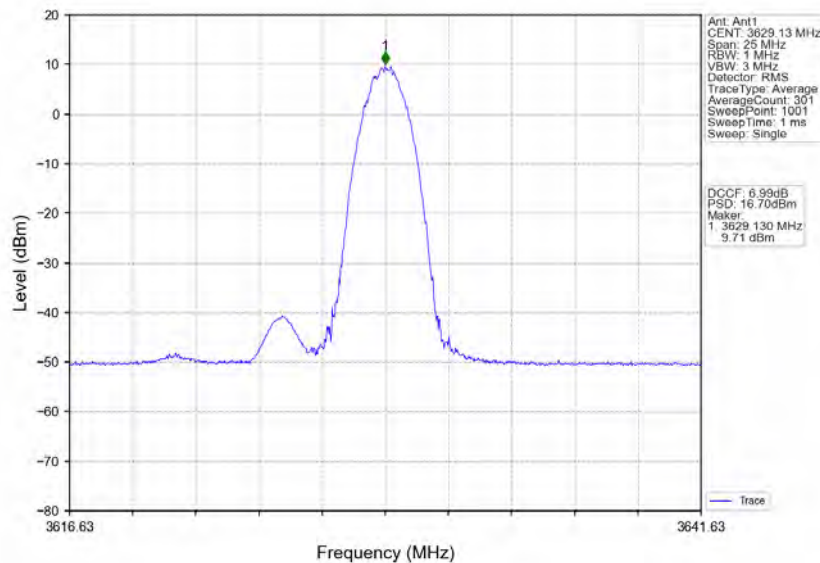
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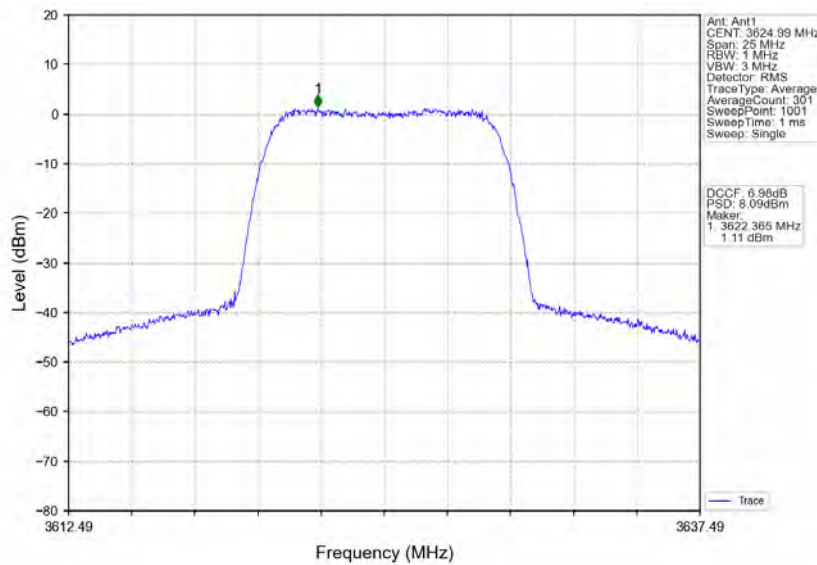
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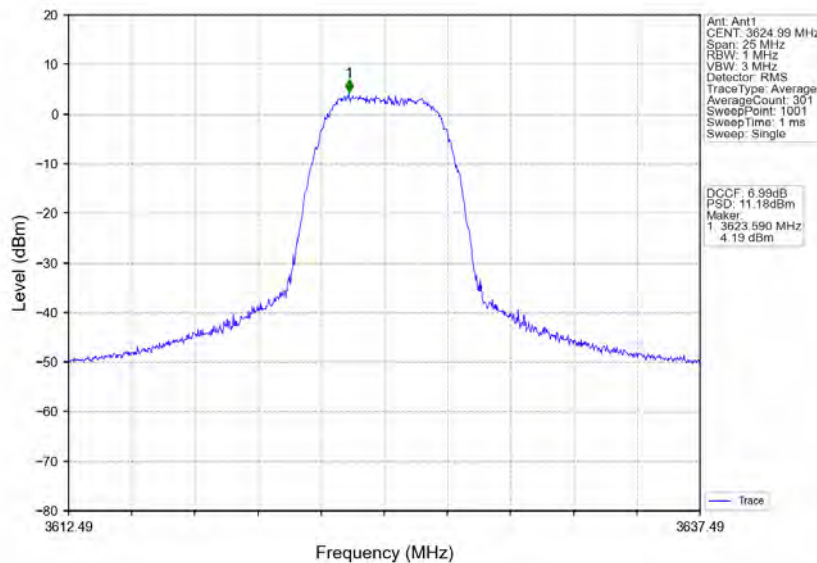
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



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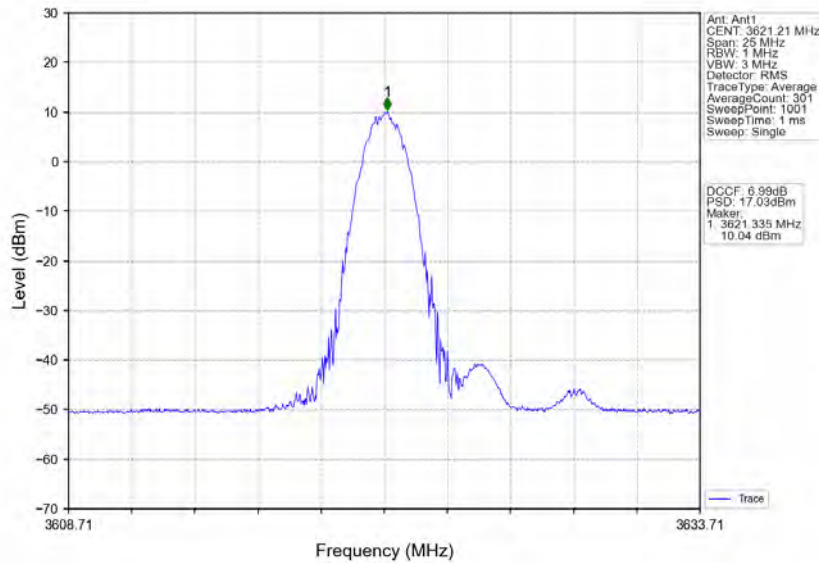
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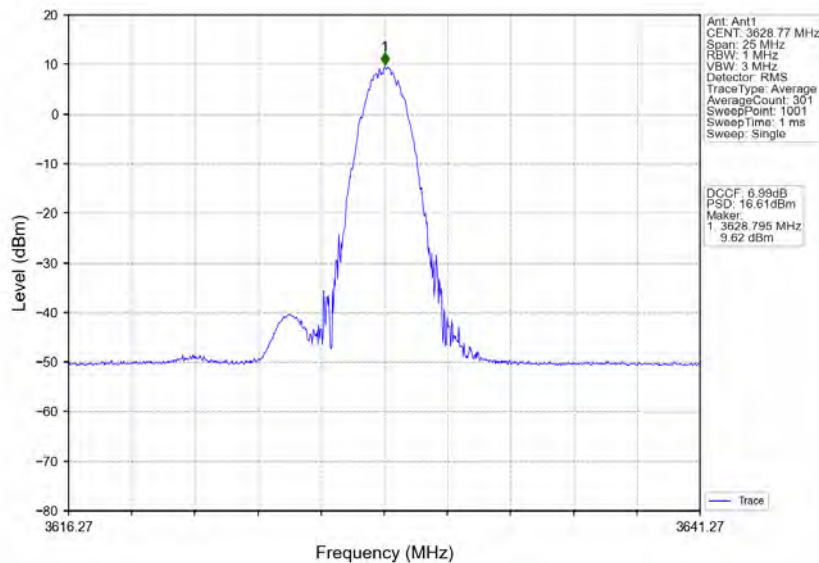
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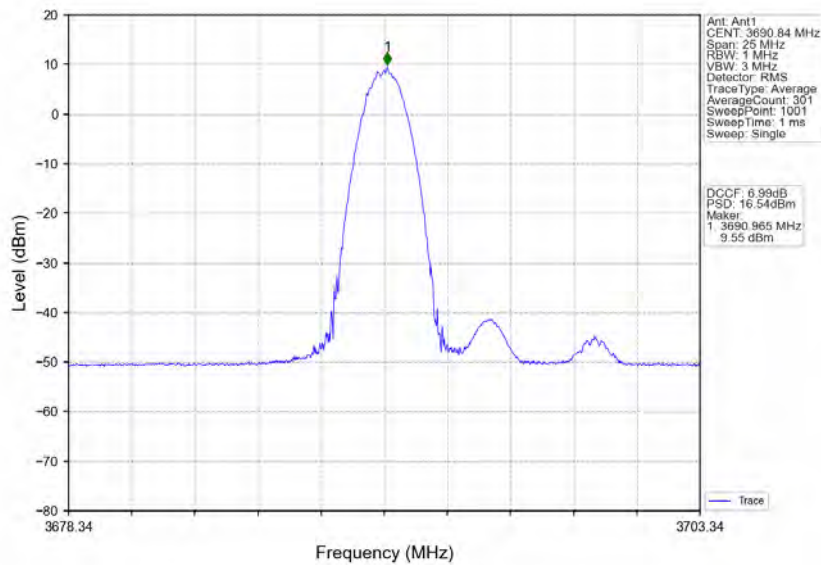
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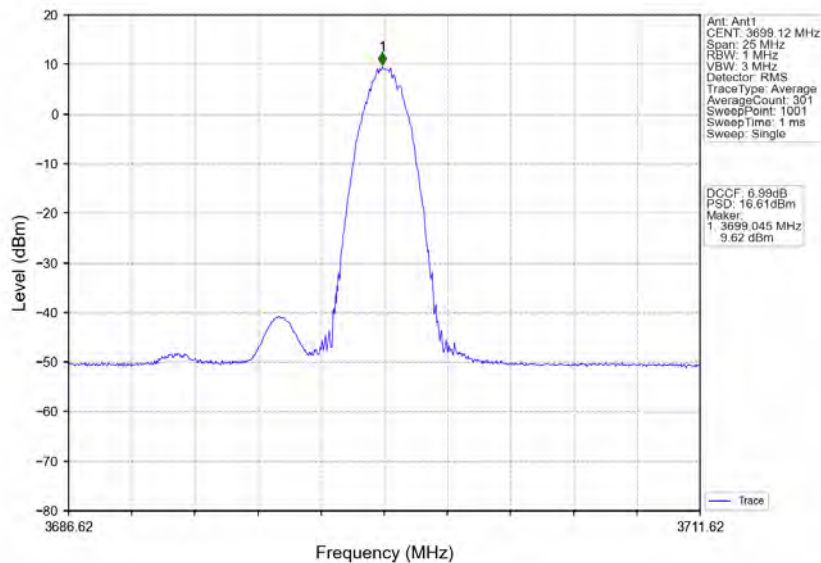
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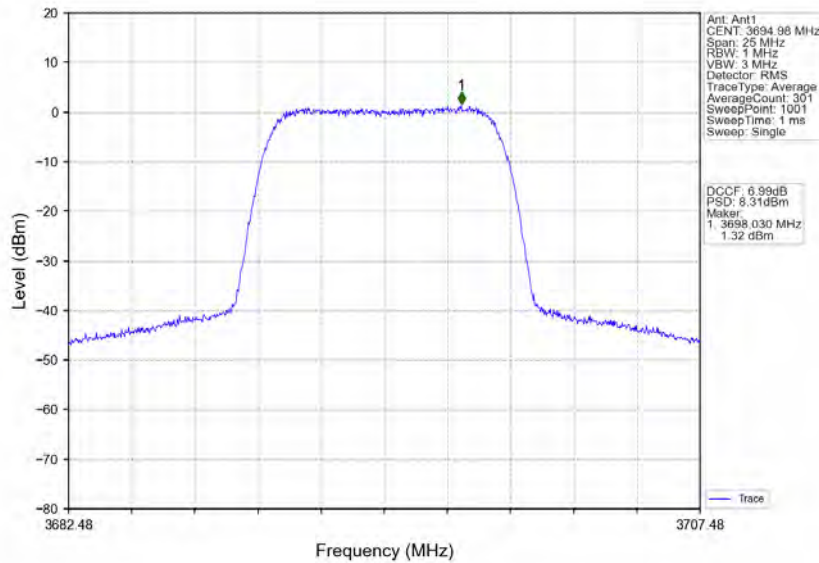
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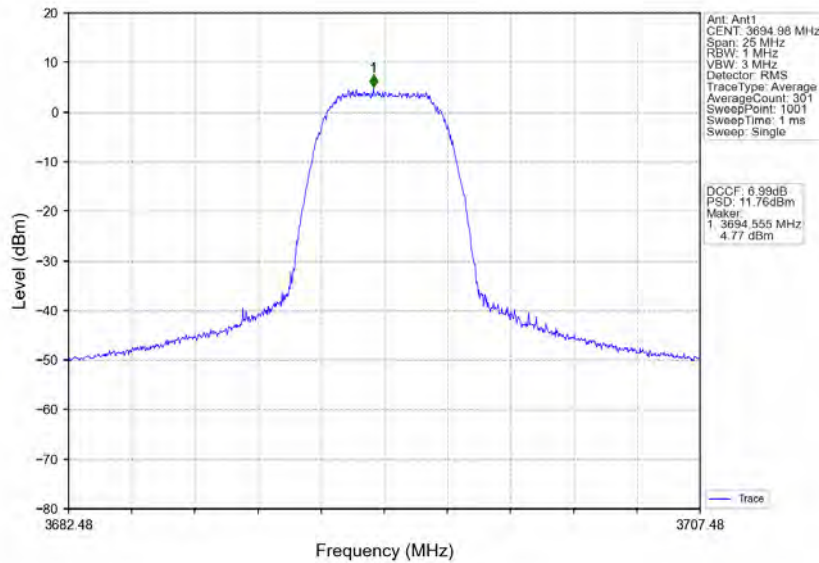
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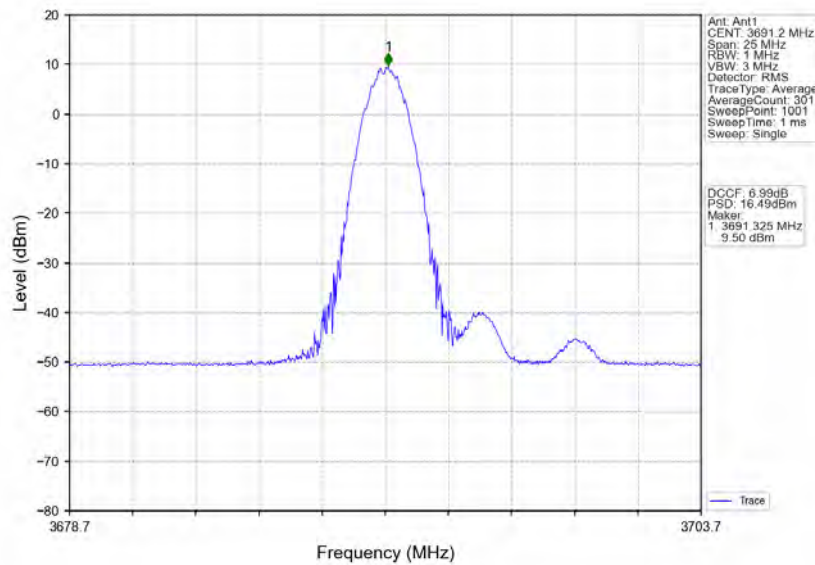
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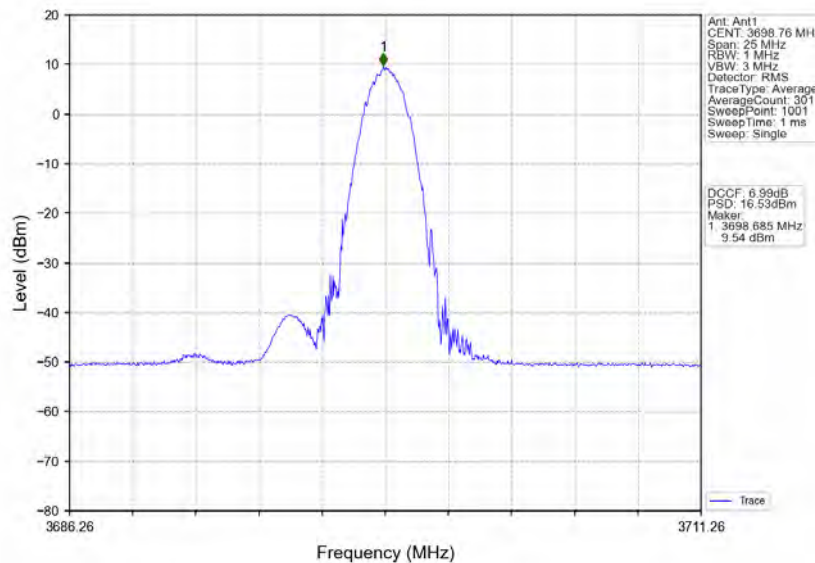
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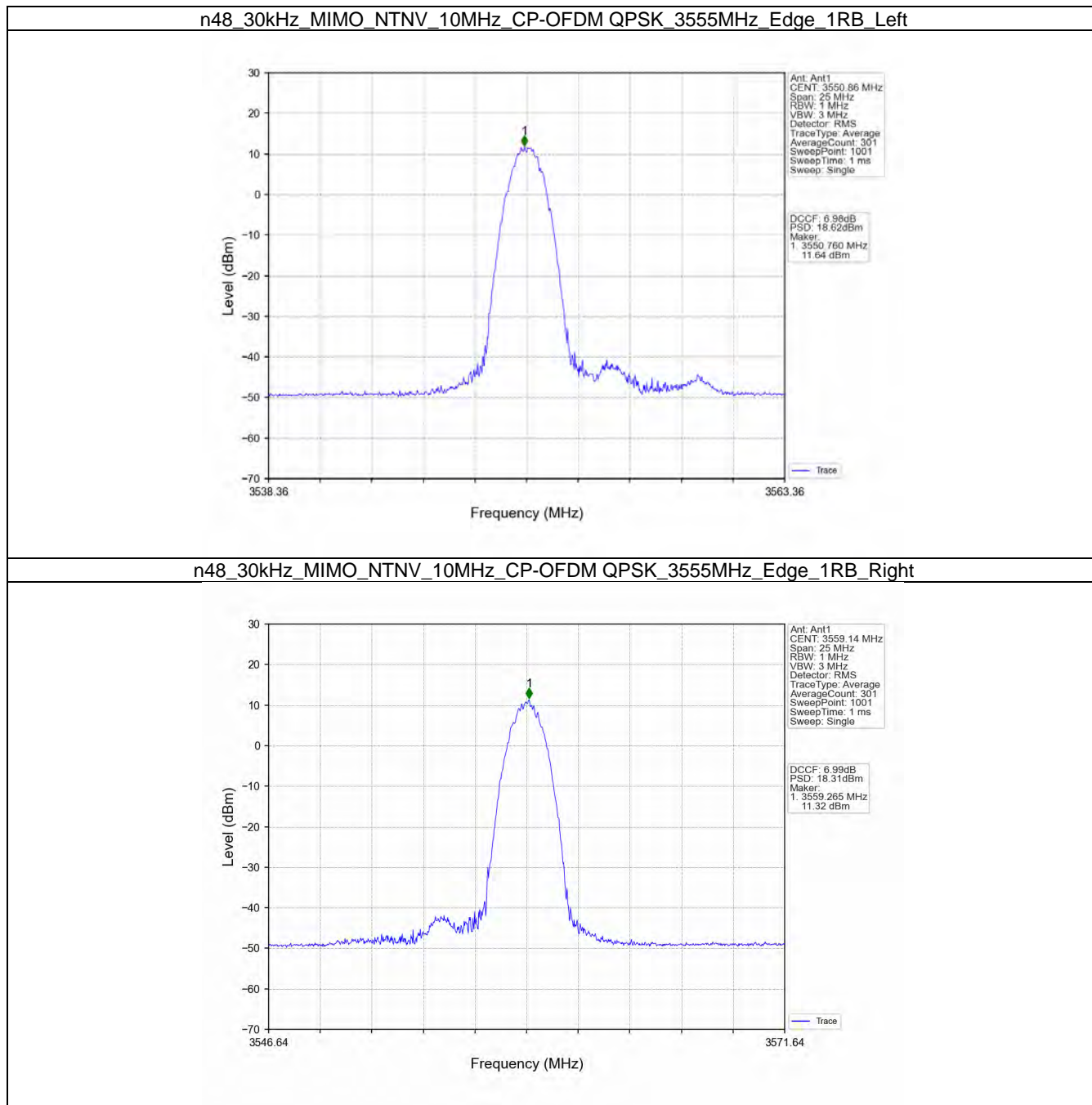
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2.3.3 Test Graph for ANT2



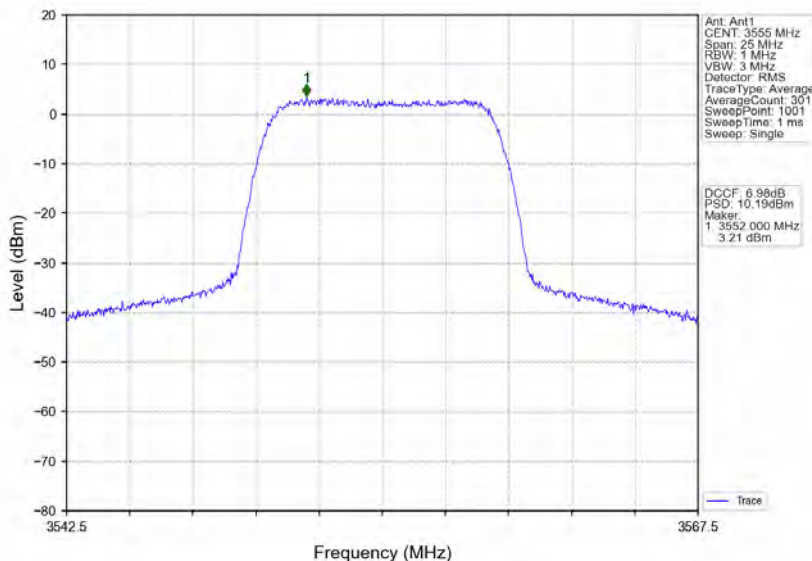
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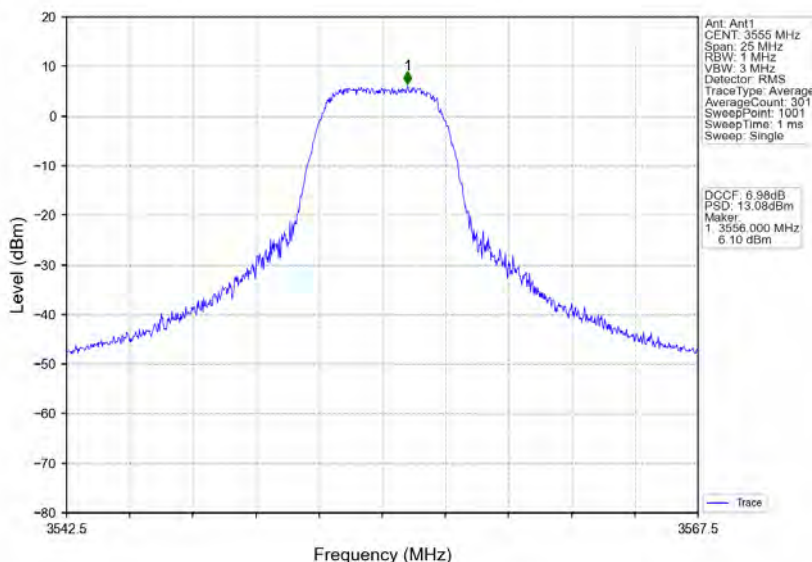
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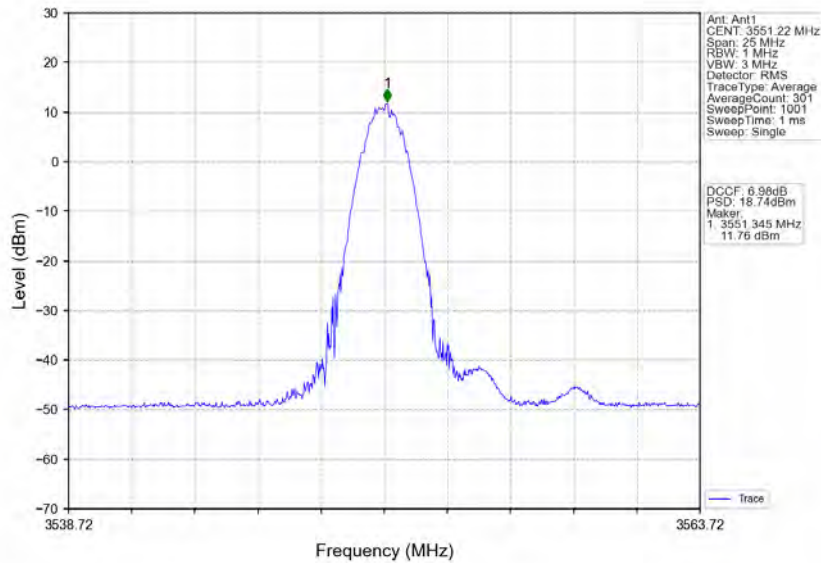
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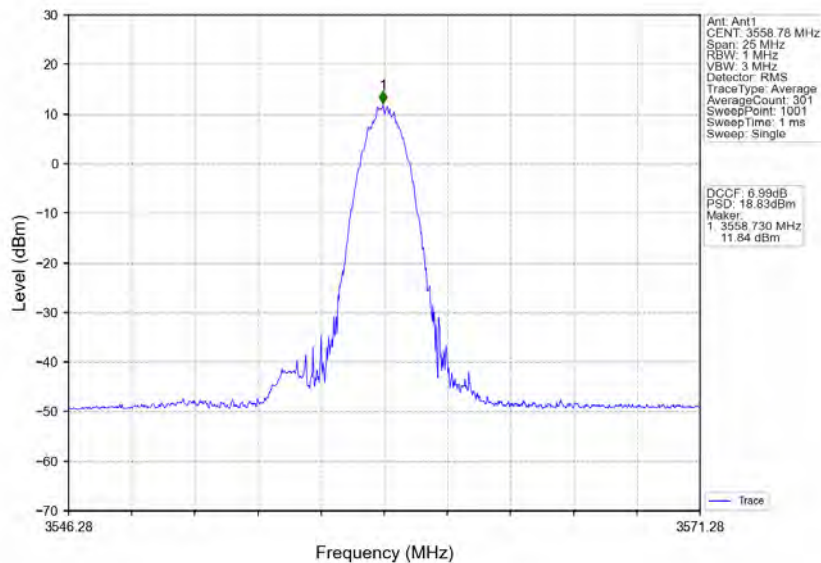
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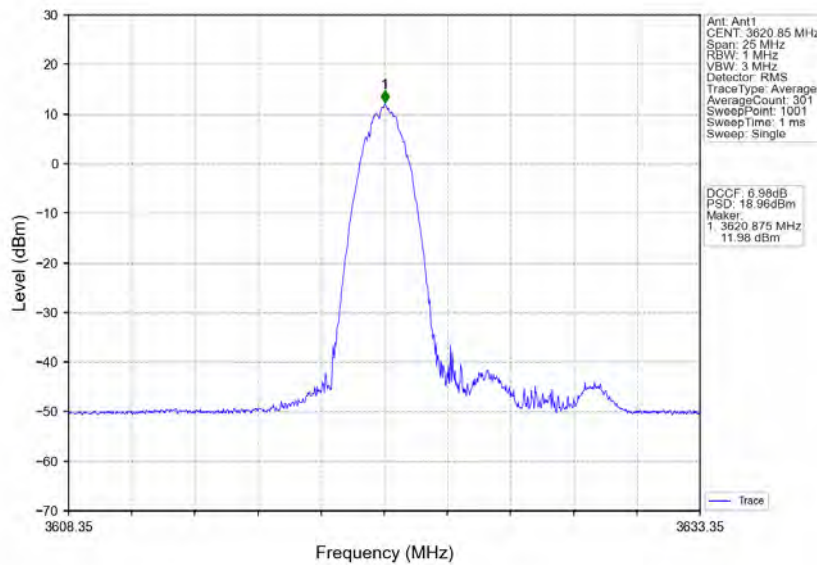
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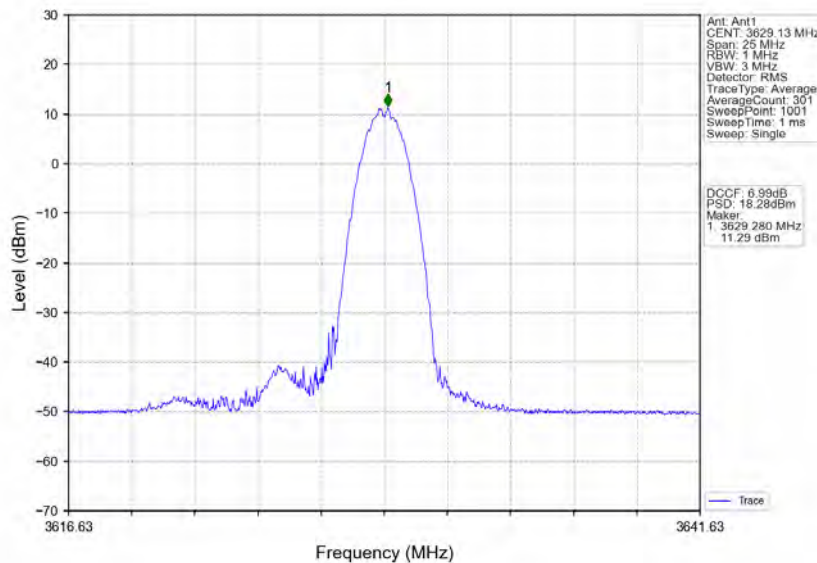
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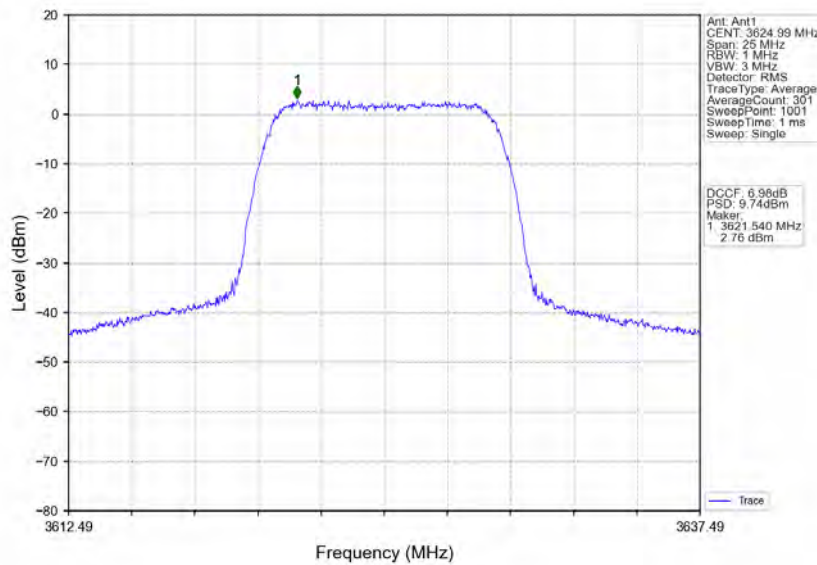
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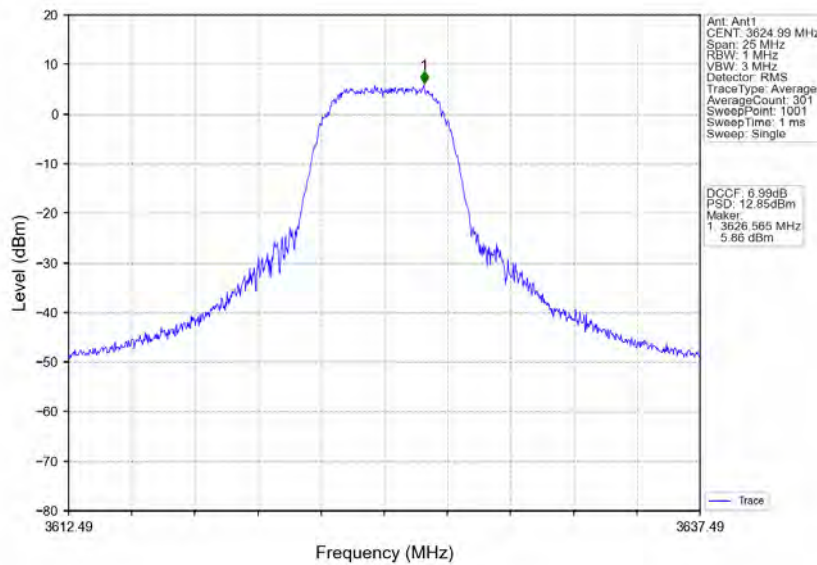
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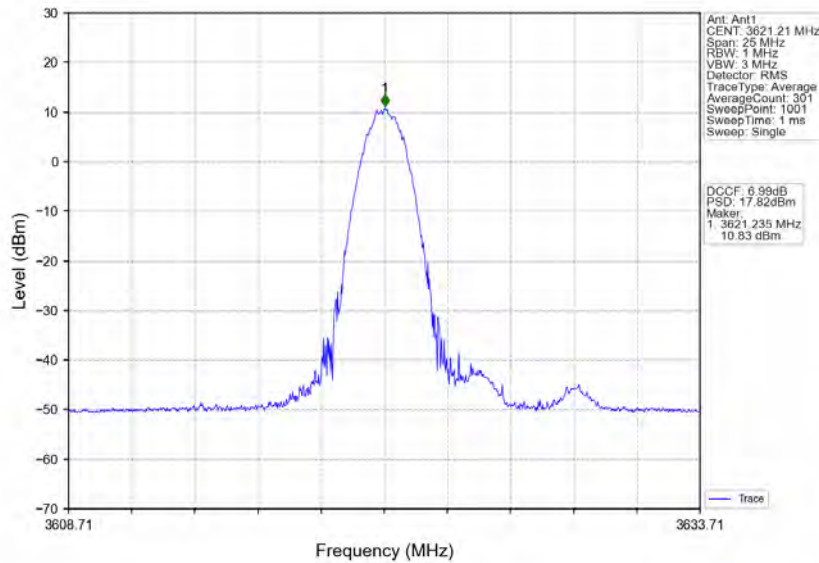
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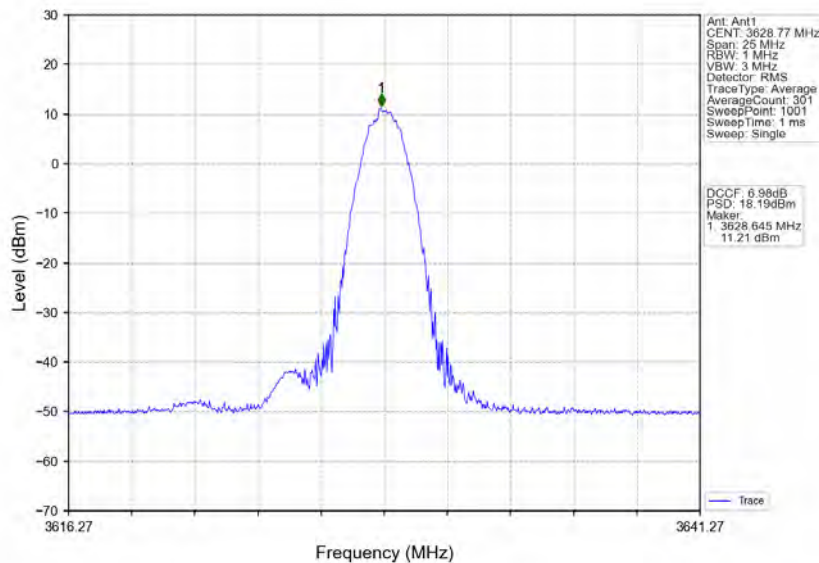
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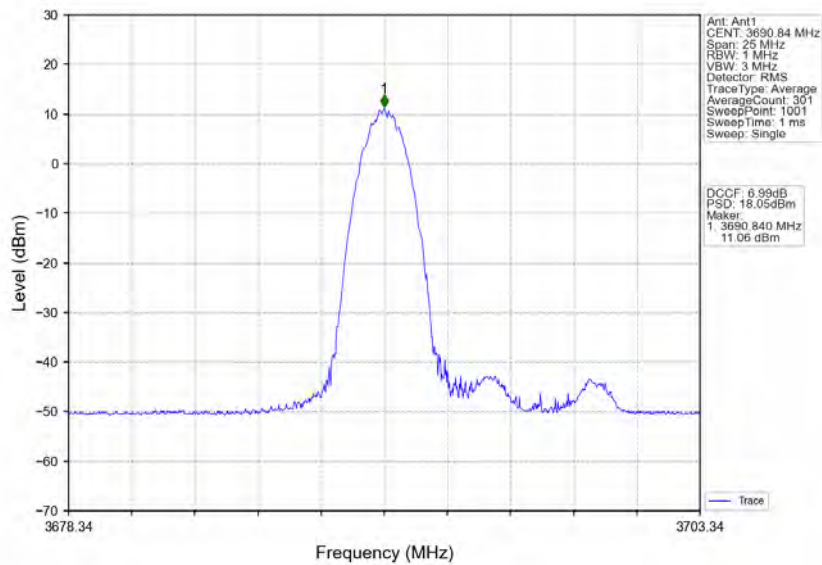
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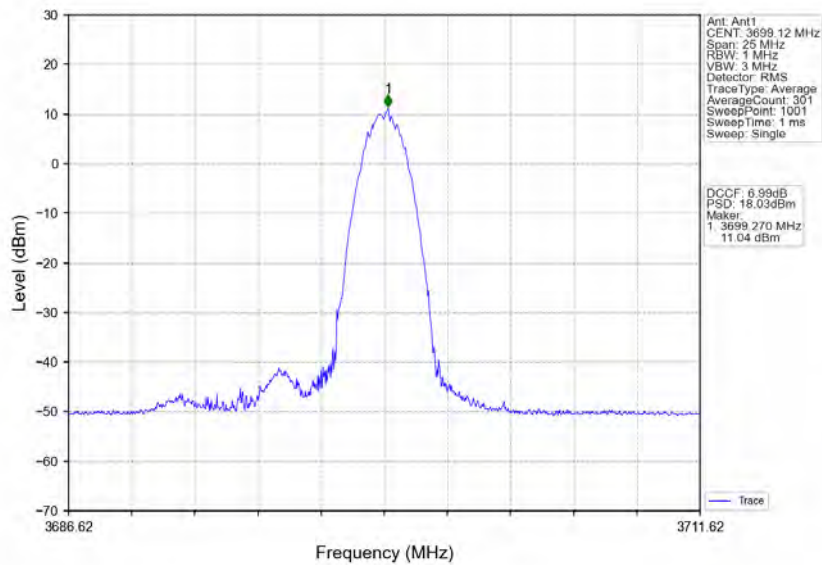
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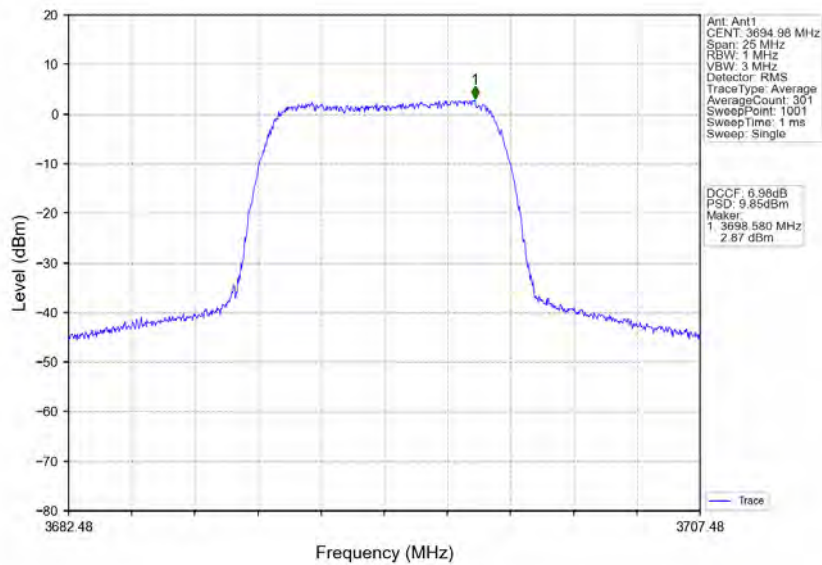
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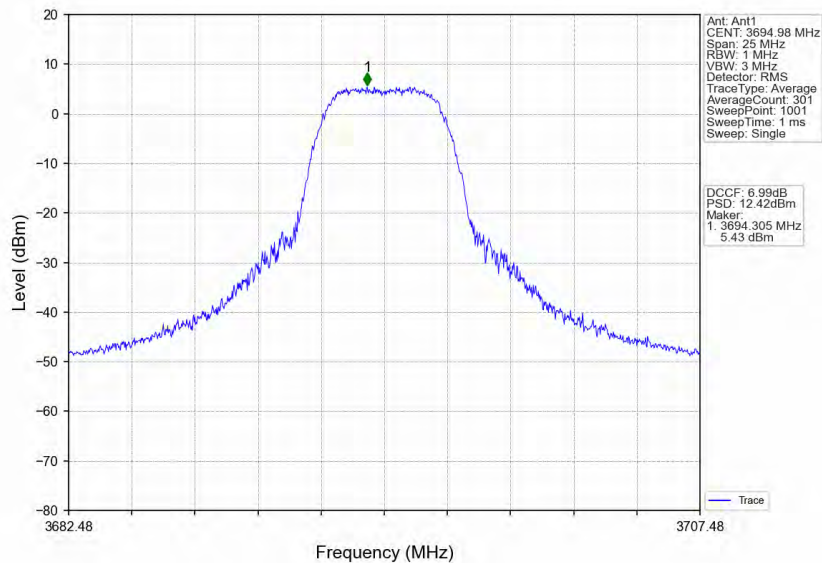
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3694.98MHz_Outer_Full



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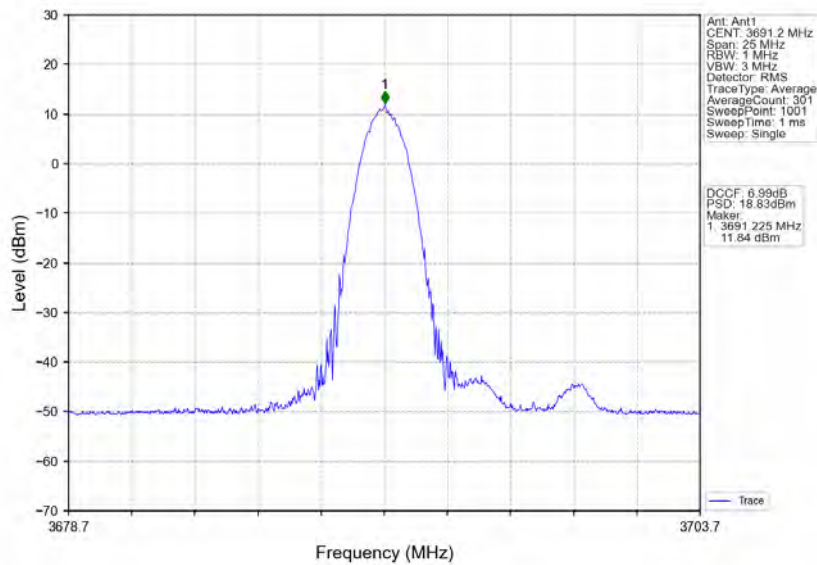
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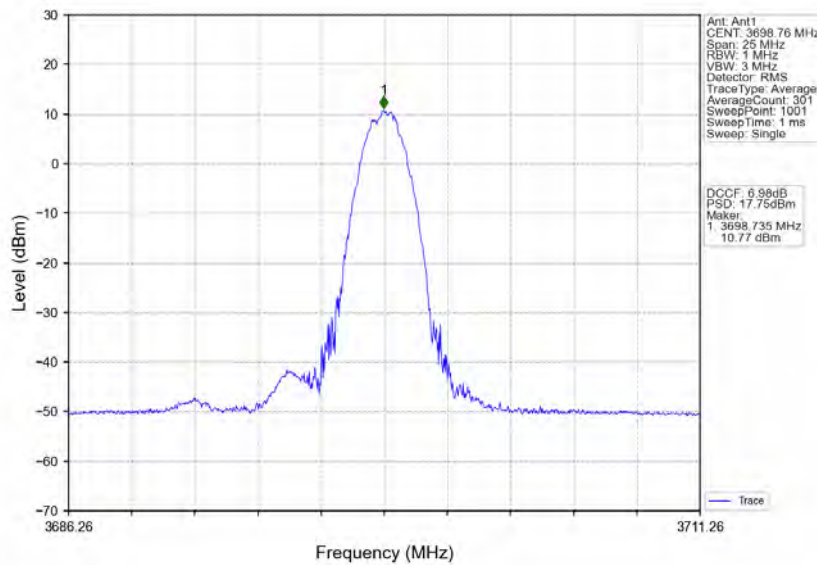
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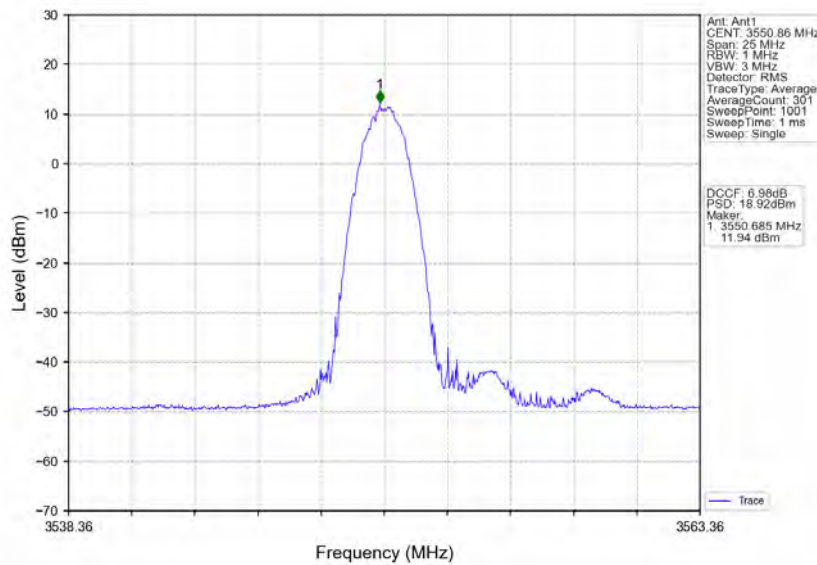
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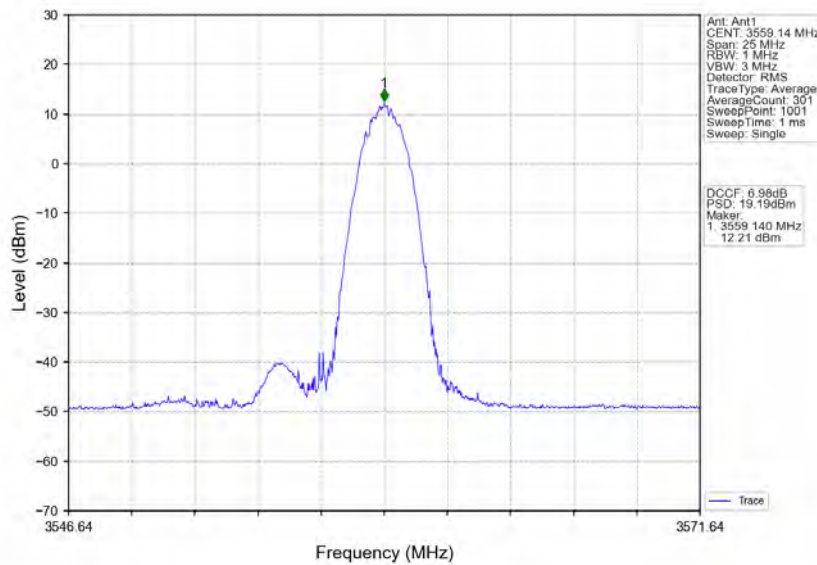
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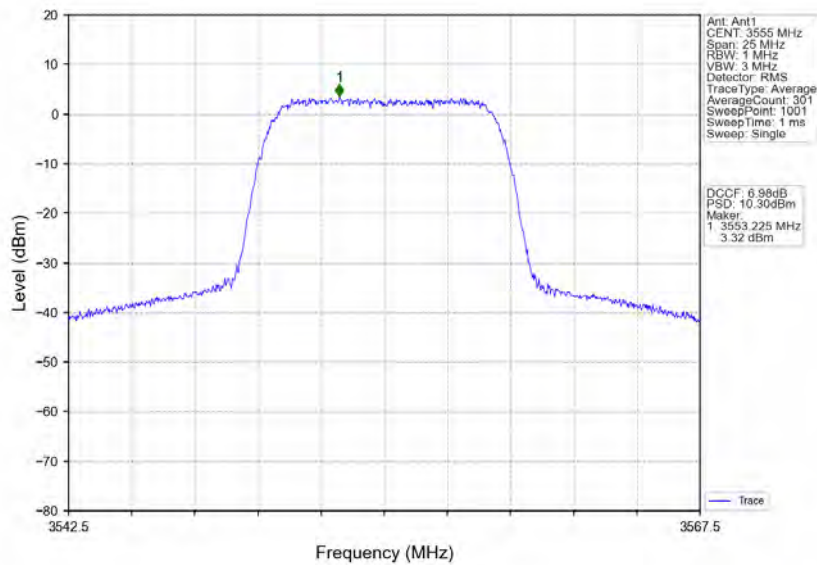
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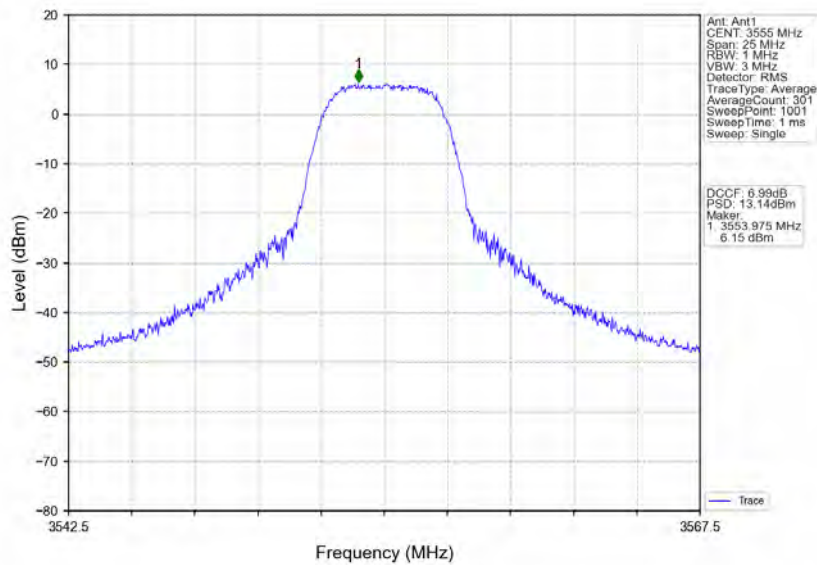
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM_16 QAM_3555MHz_Outer_Full



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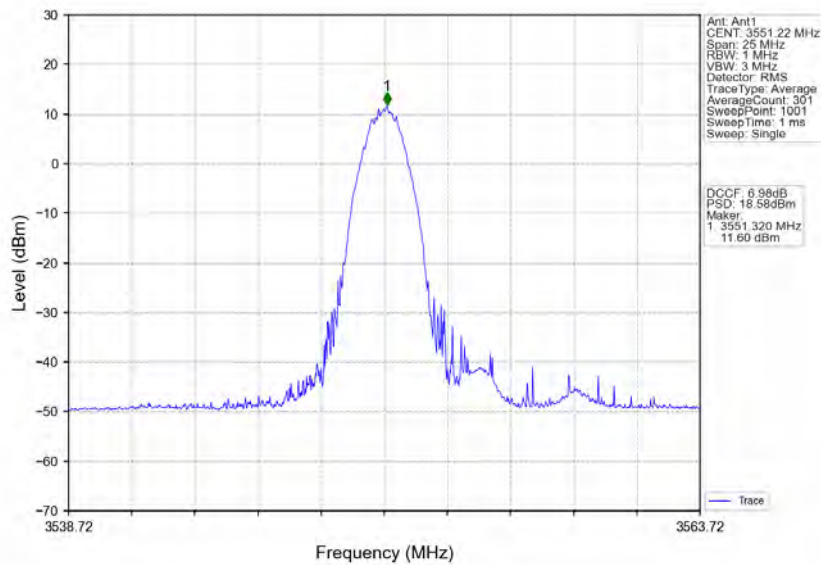
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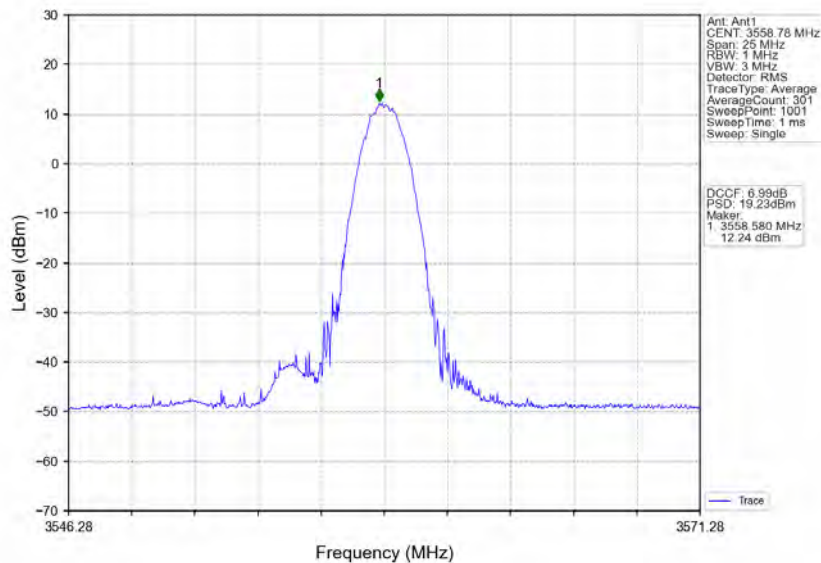
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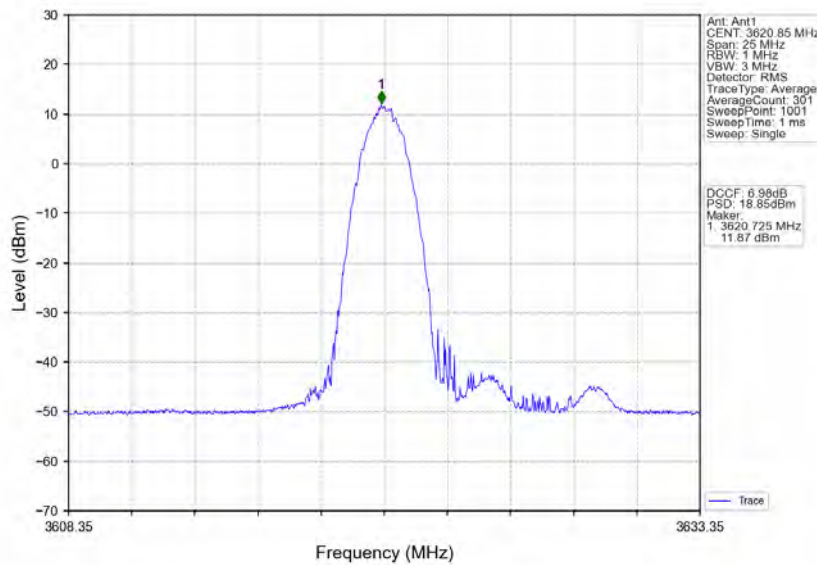
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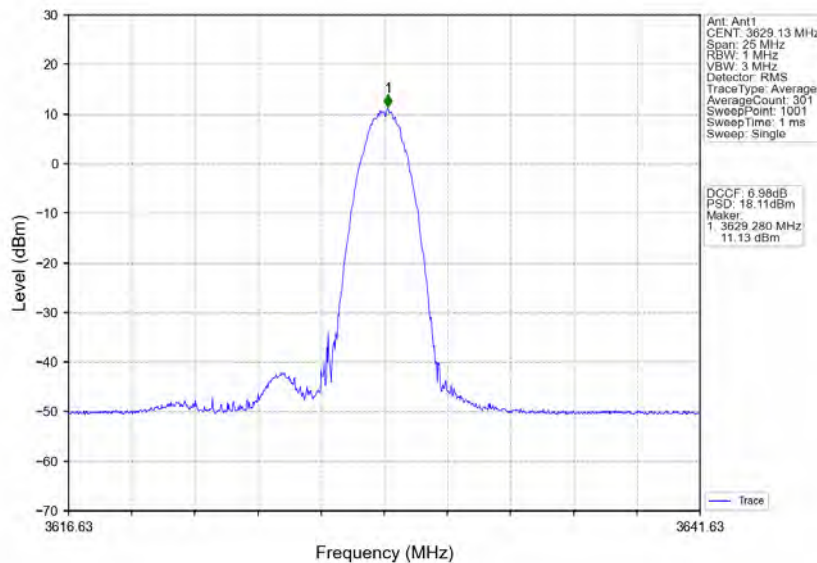
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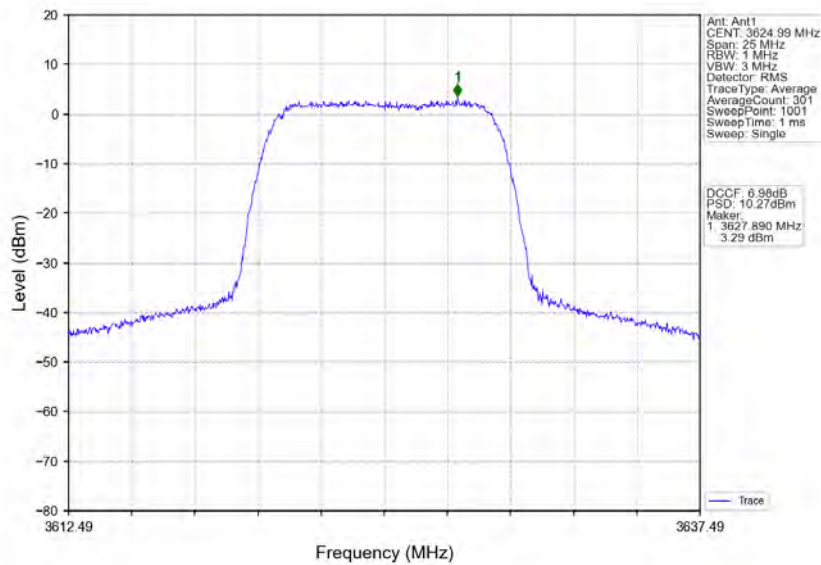
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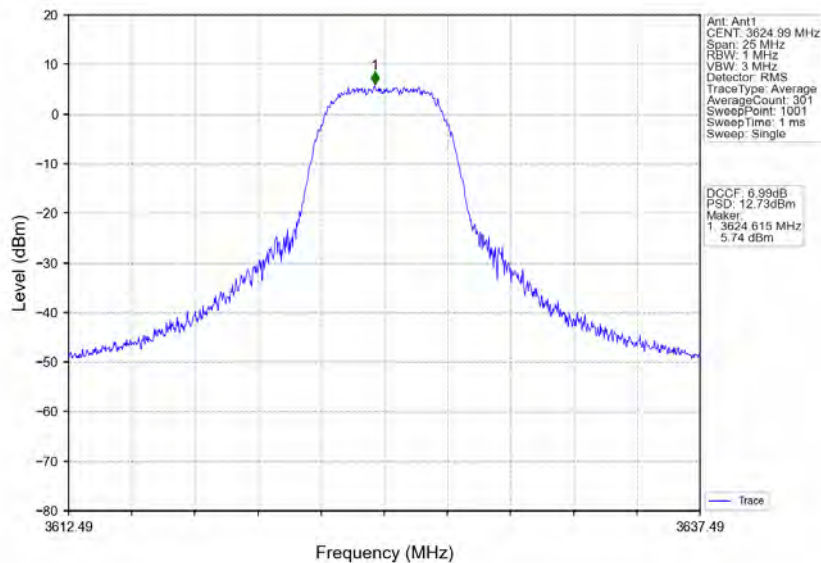
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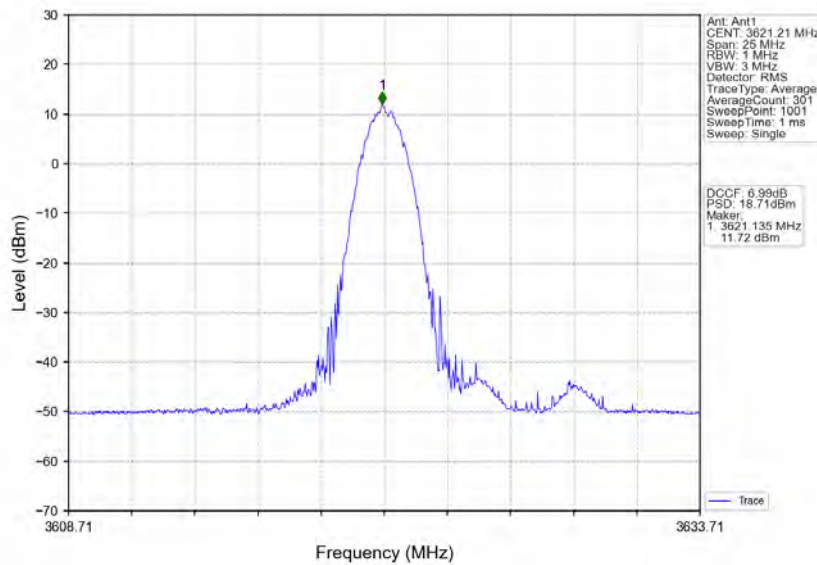
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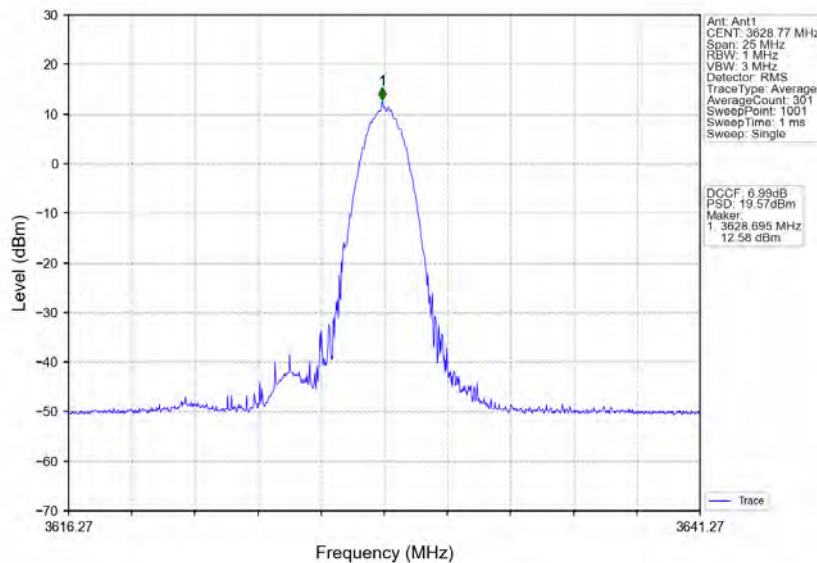
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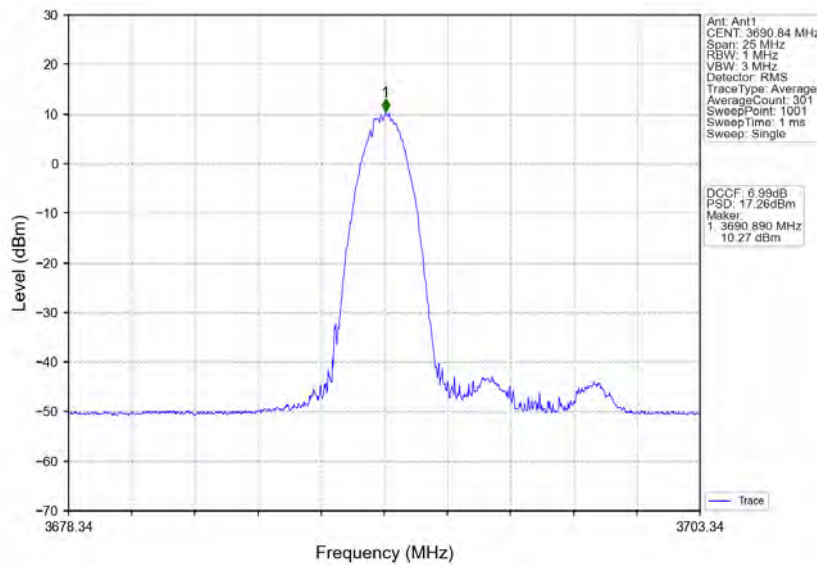
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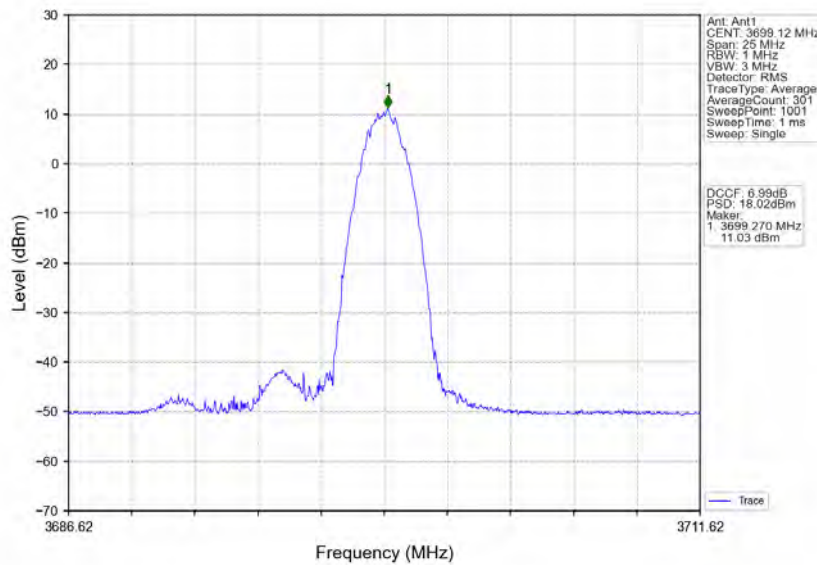
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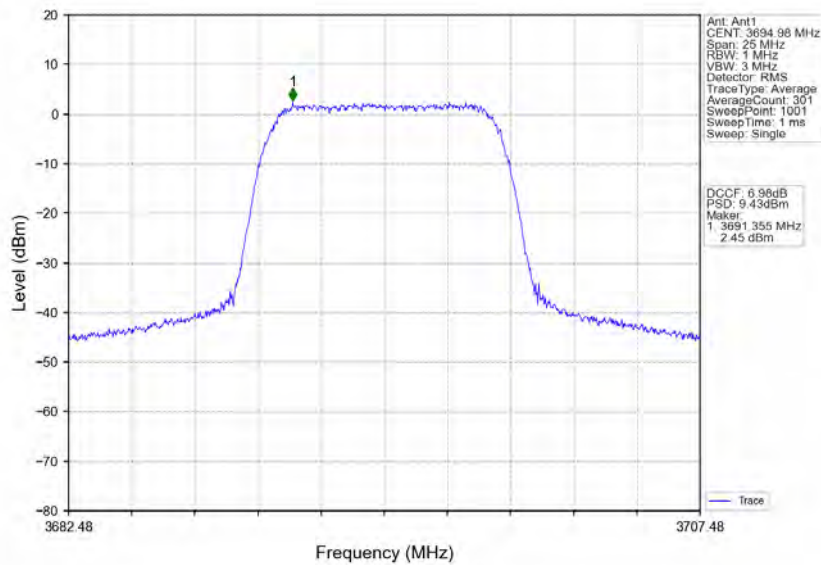
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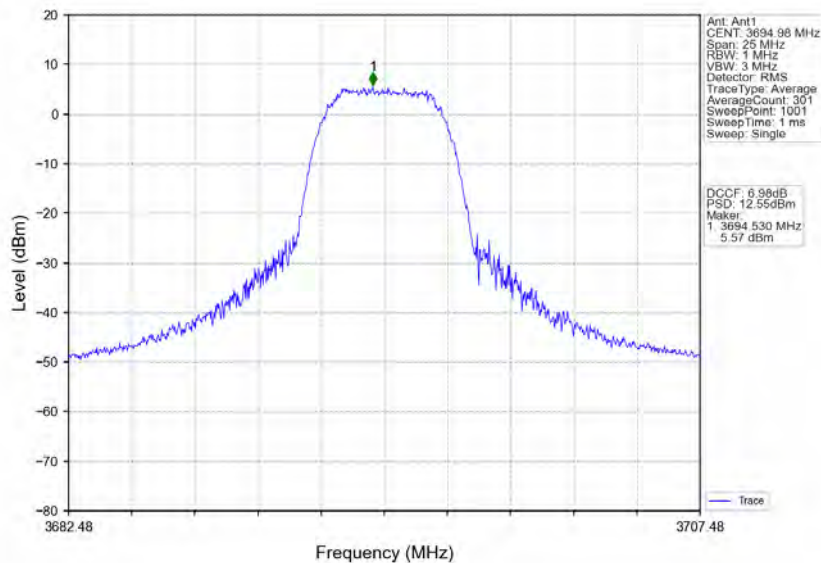
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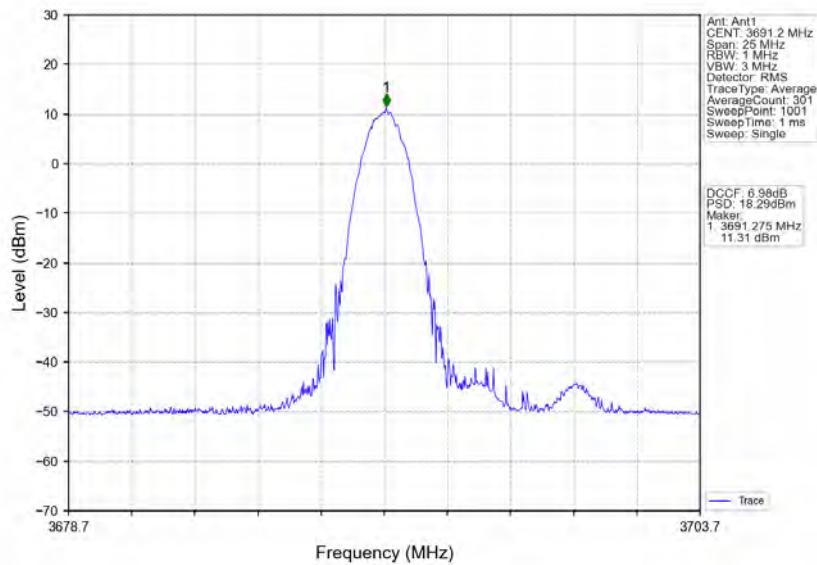
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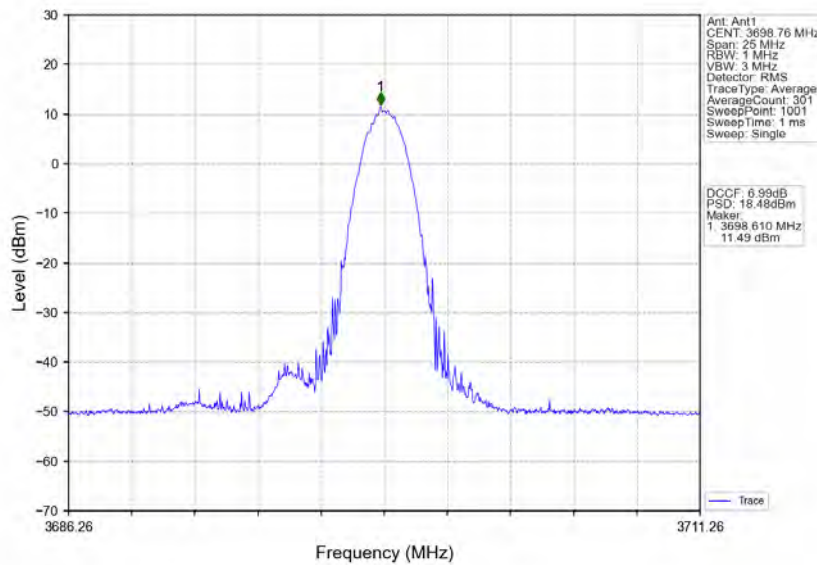
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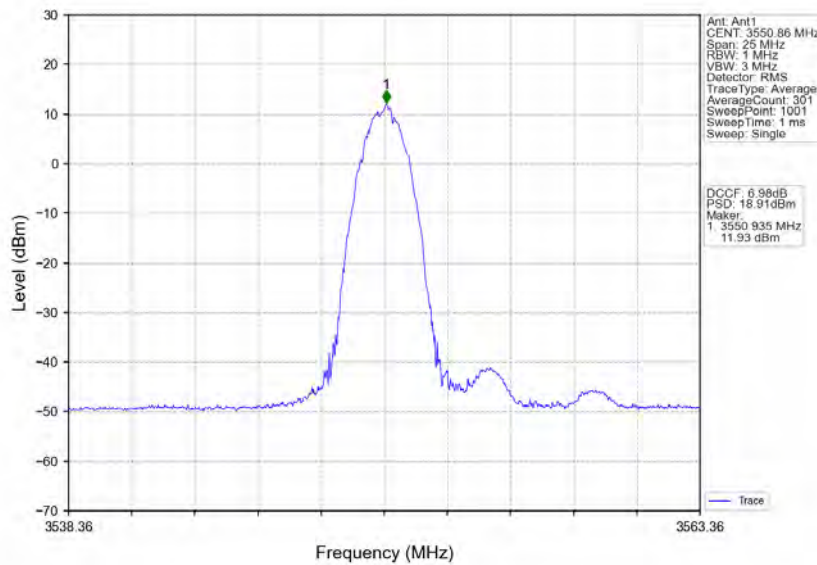
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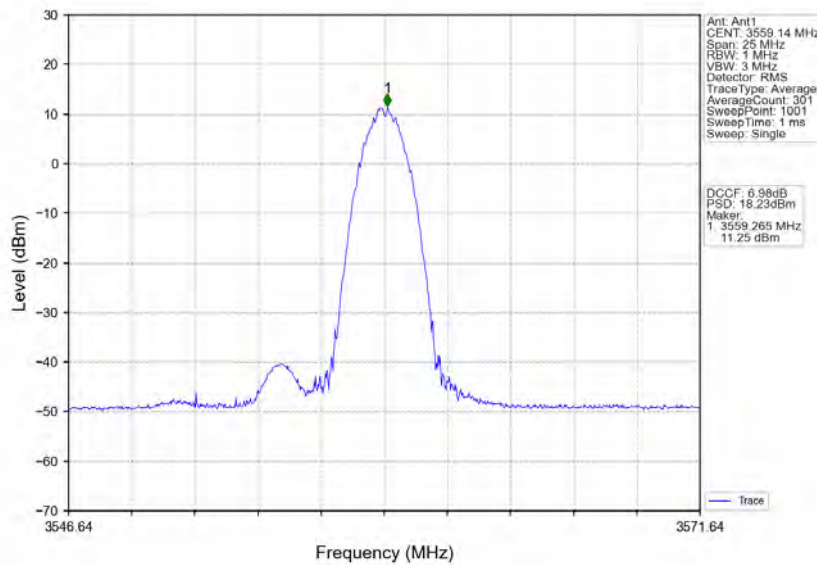
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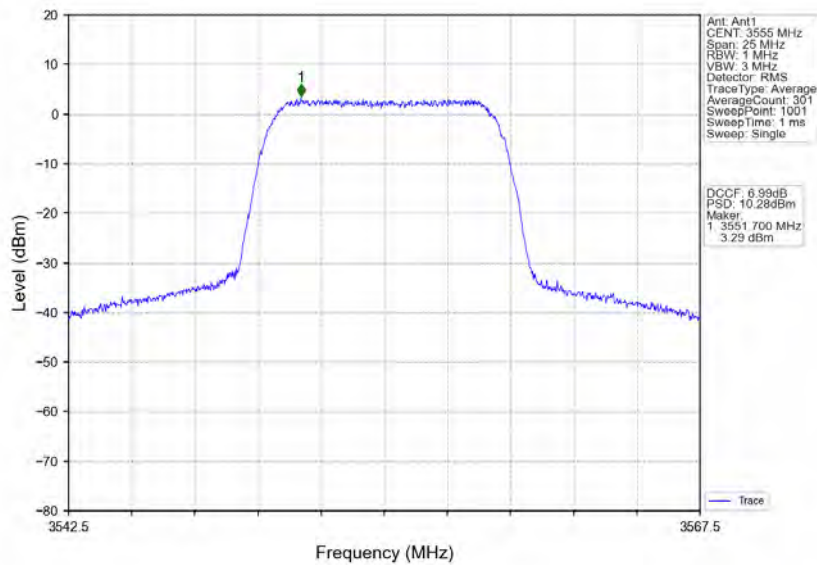
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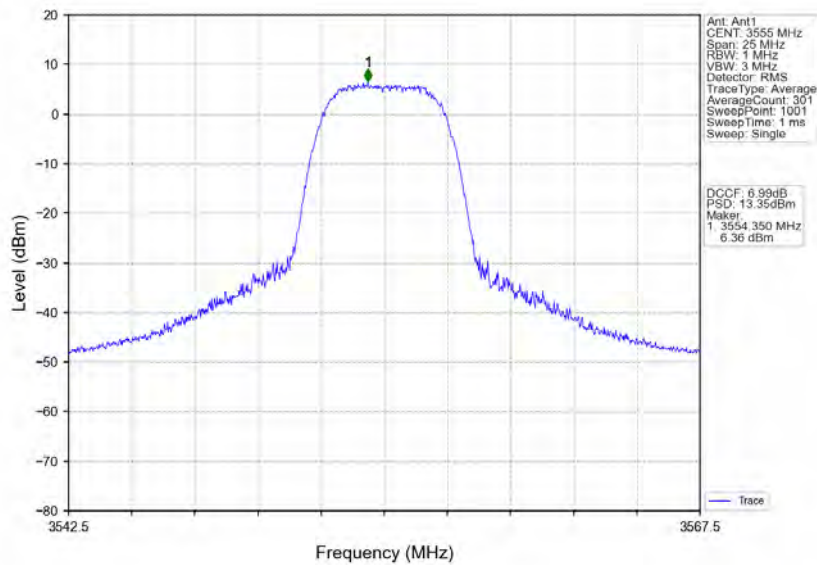
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM_64_QAM_3555MHz_Outer_Full



n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM_64_QAM_3555MHz_Inner_Full



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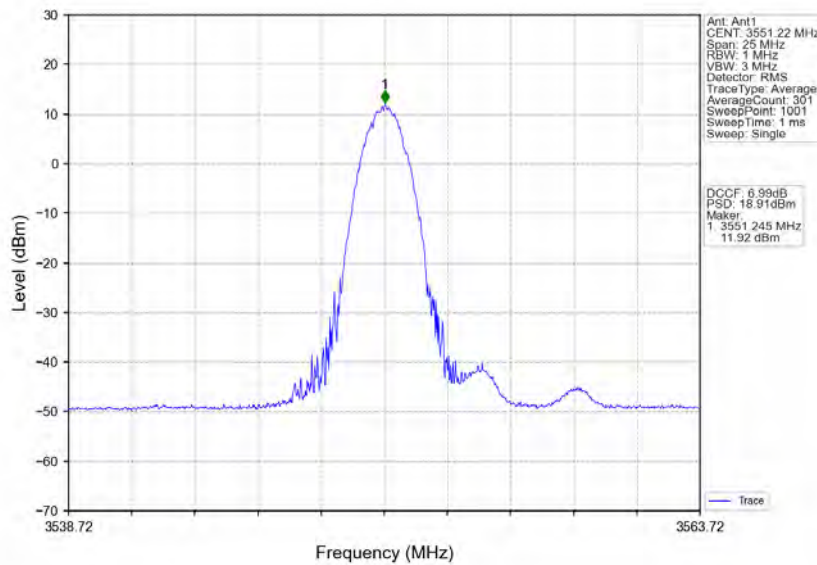
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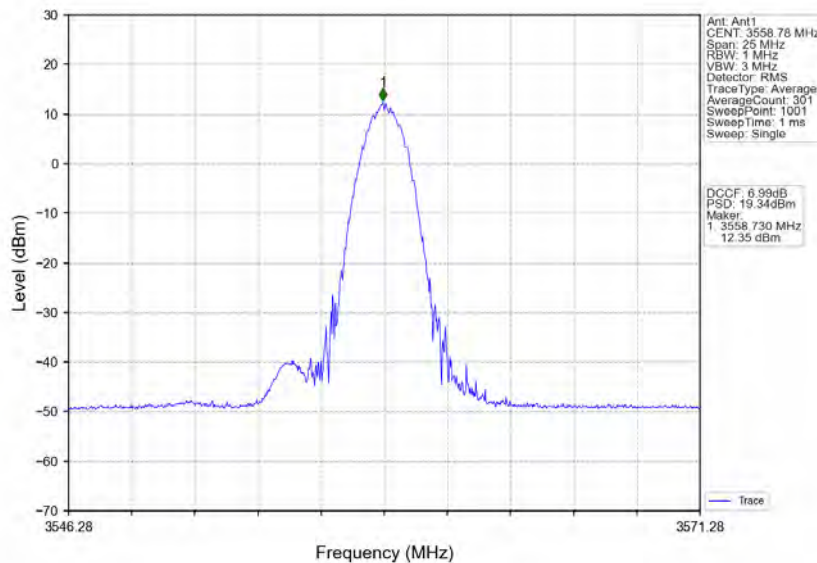
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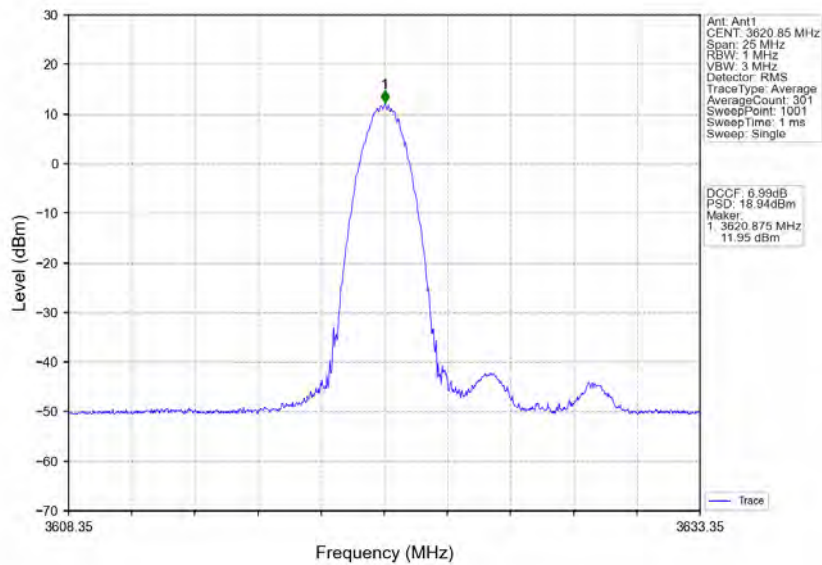
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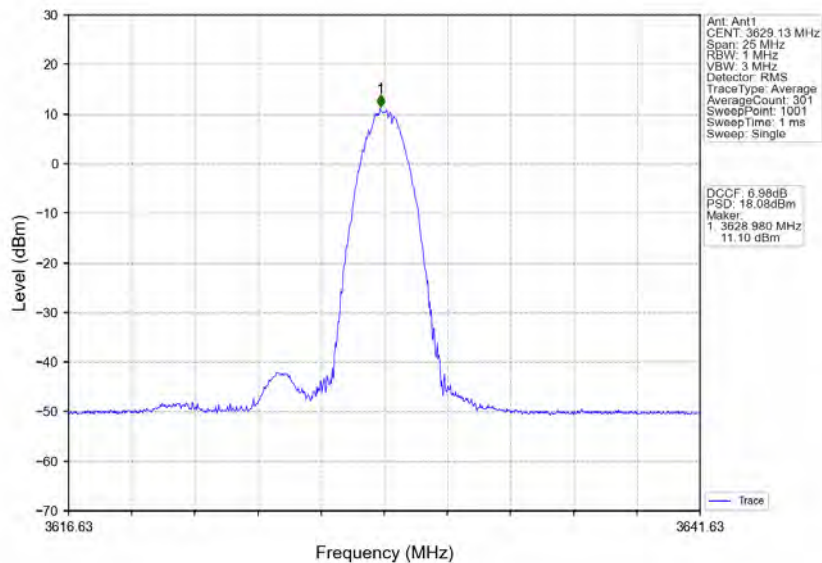
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 64 QAM_3624.99MHz_Edge_1RB_Left



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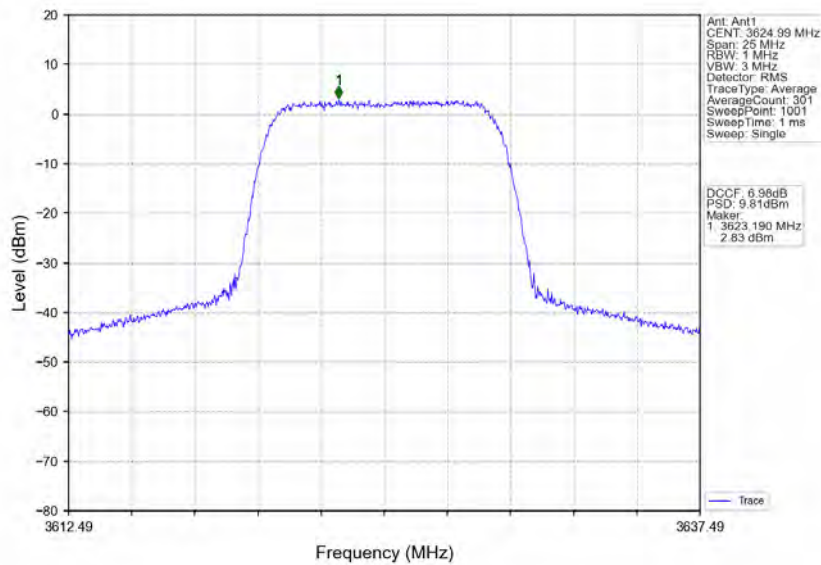
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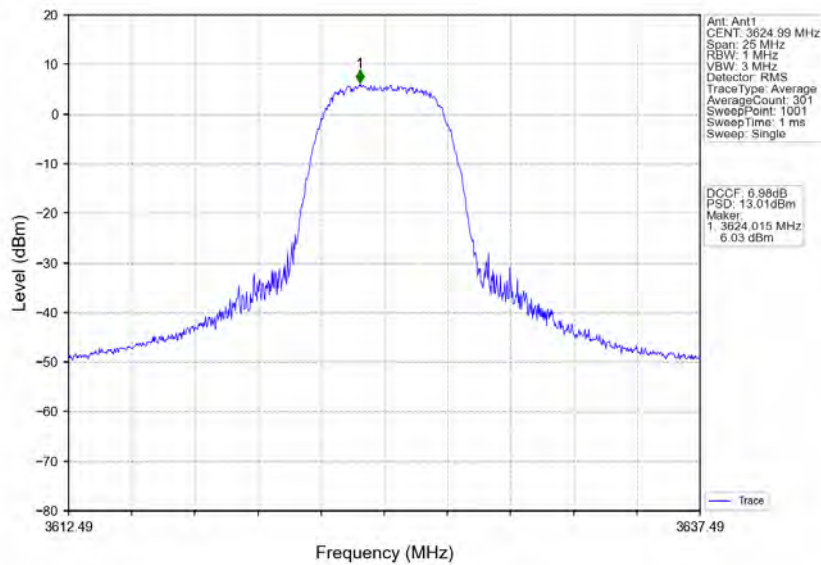
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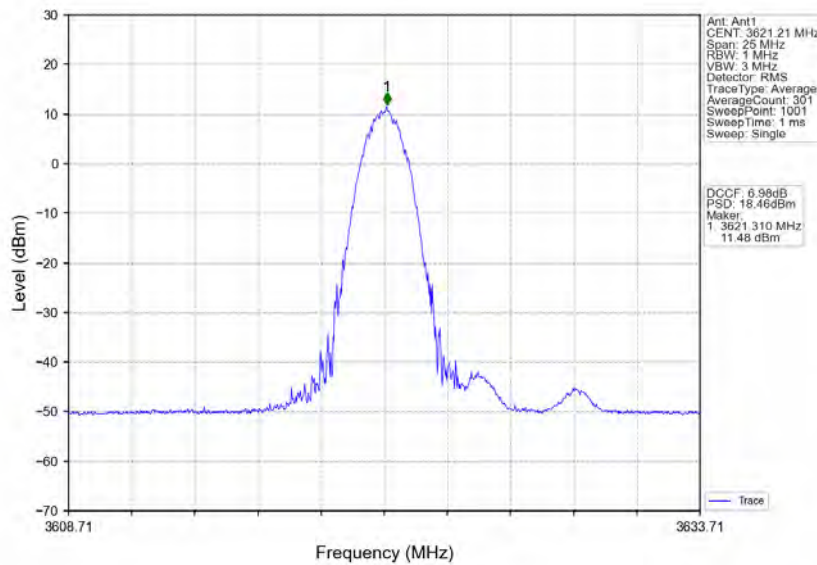
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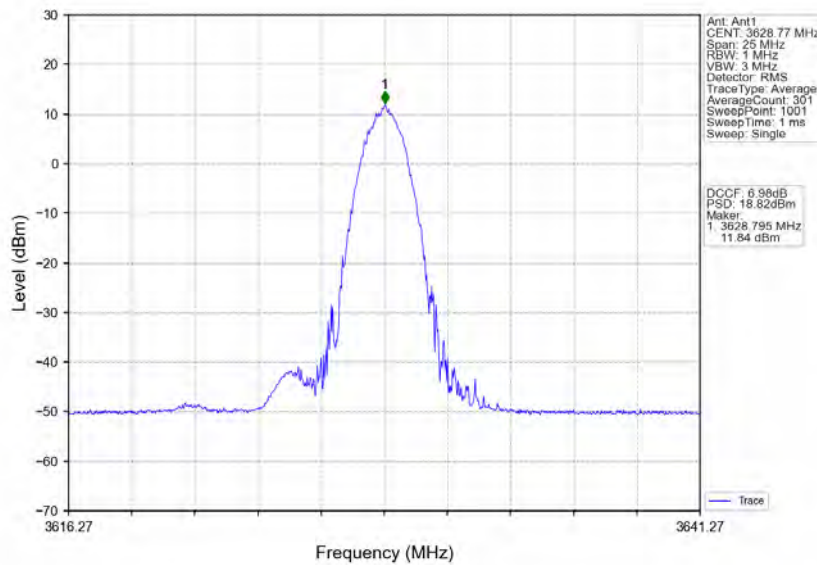
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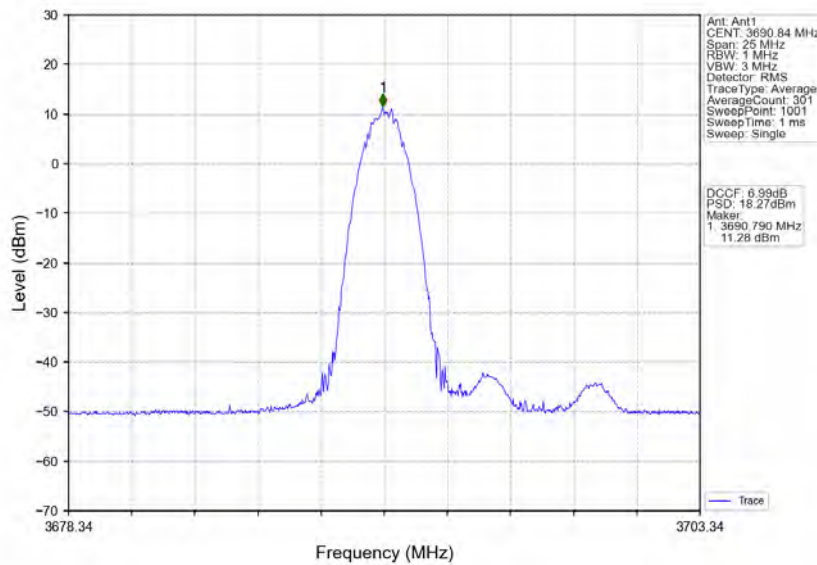
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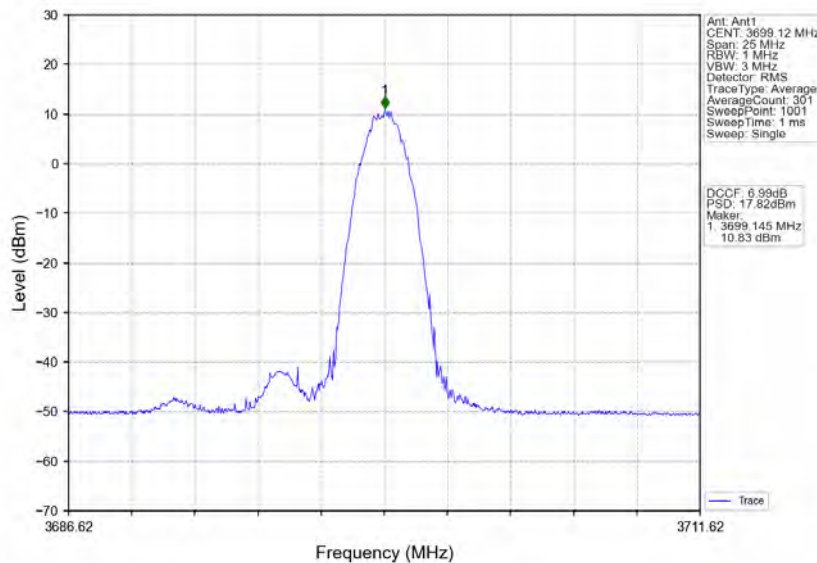
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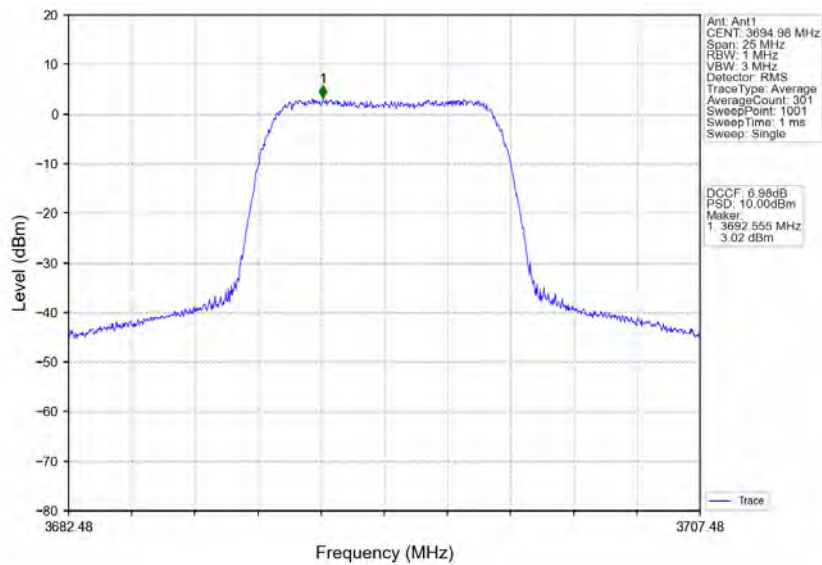
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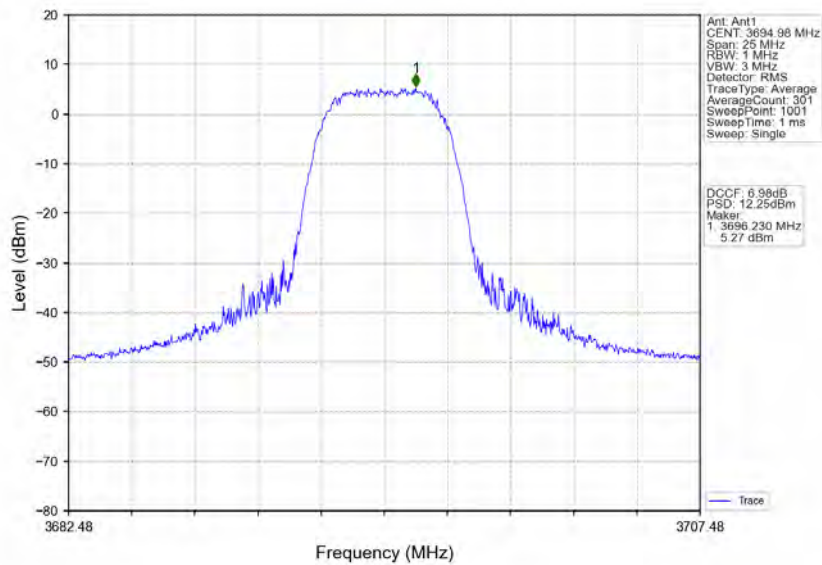
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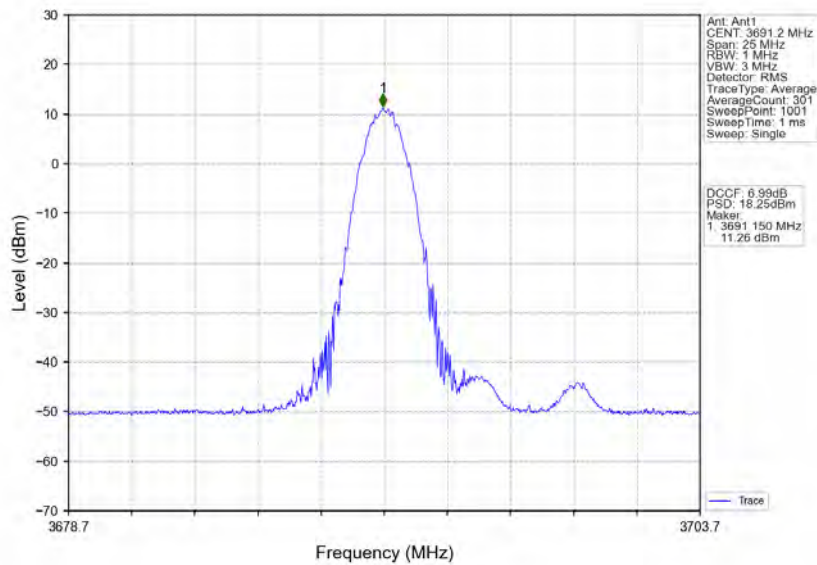
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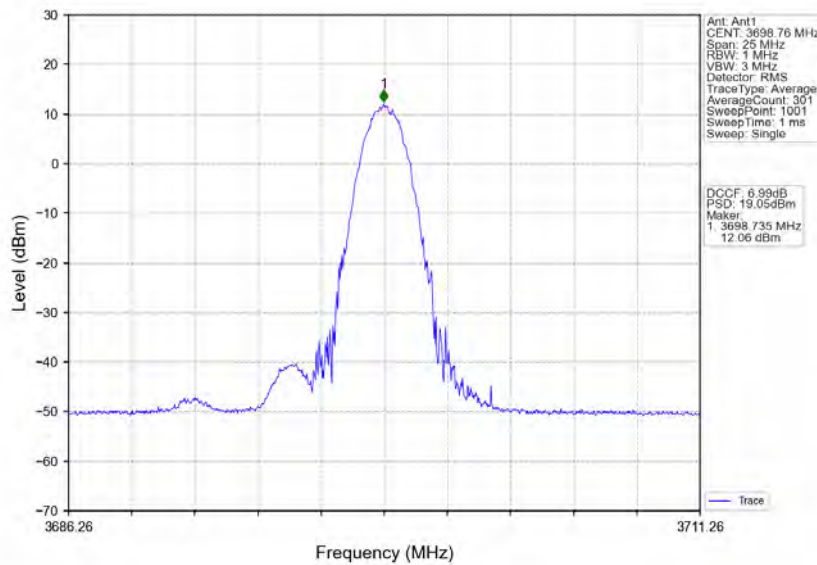
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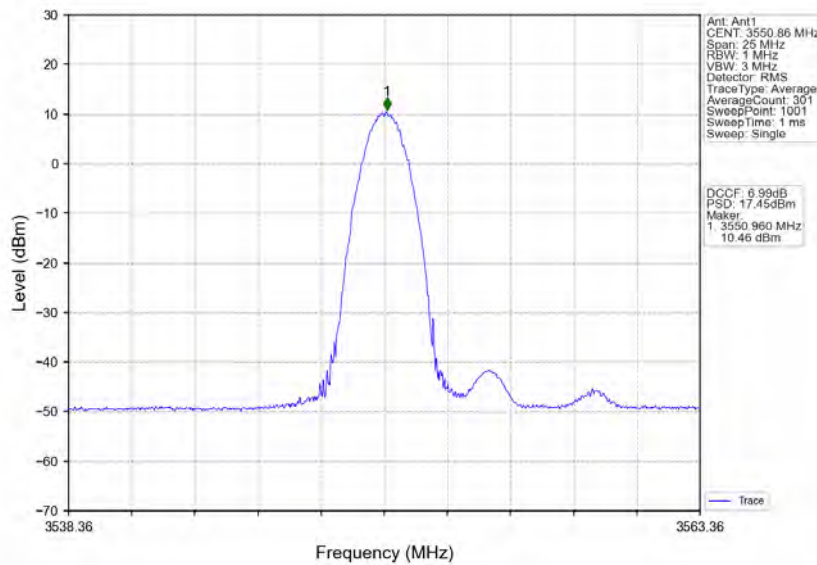
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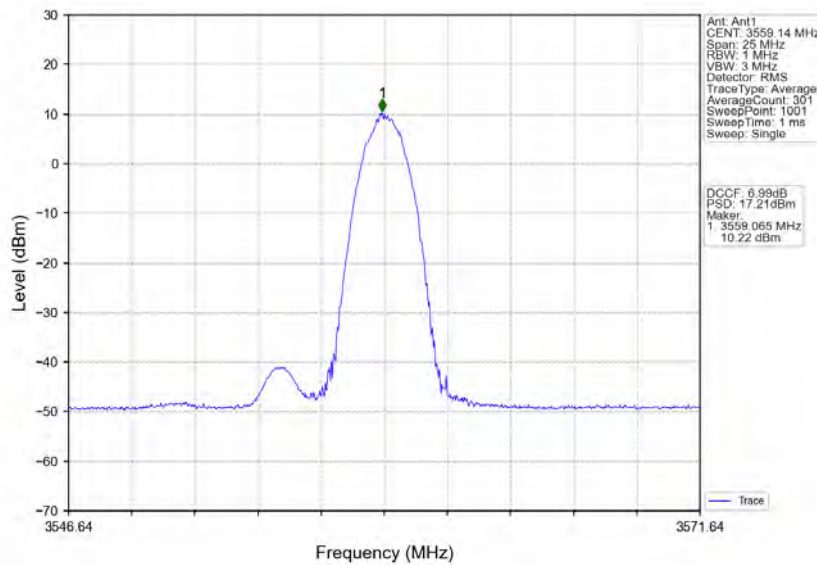
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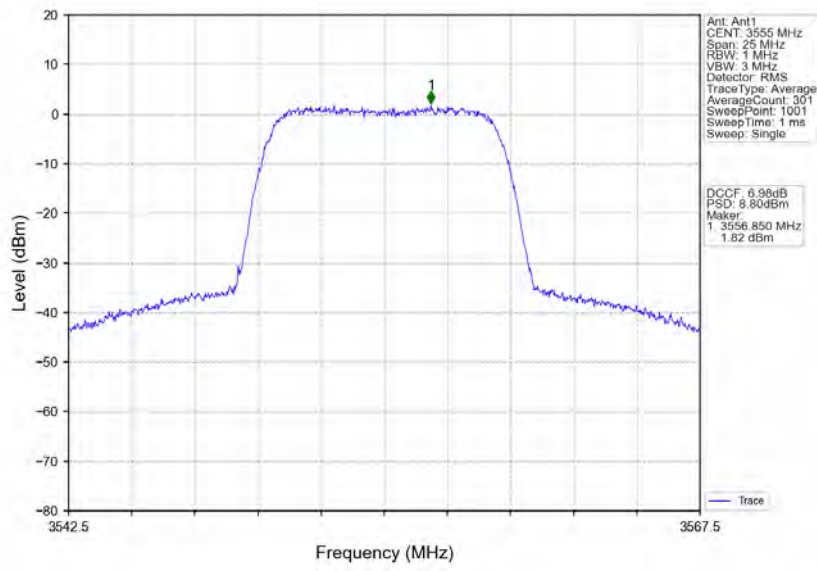
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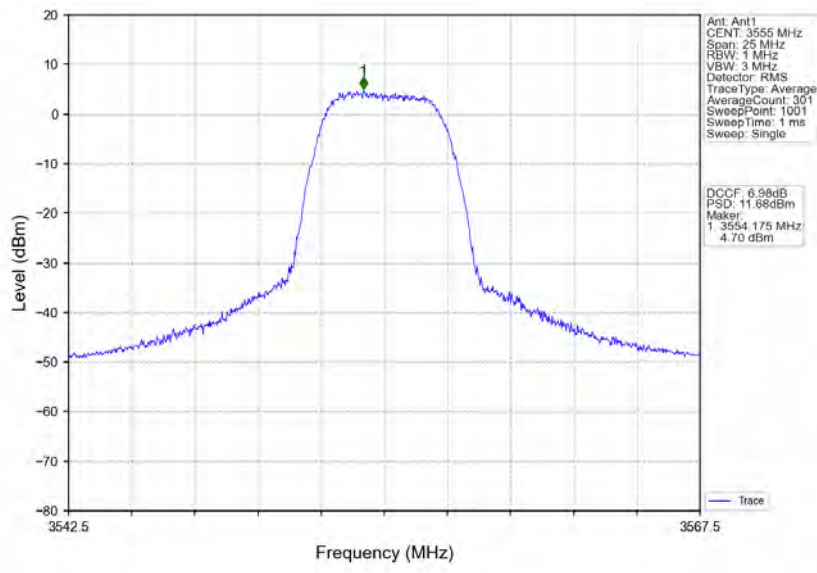
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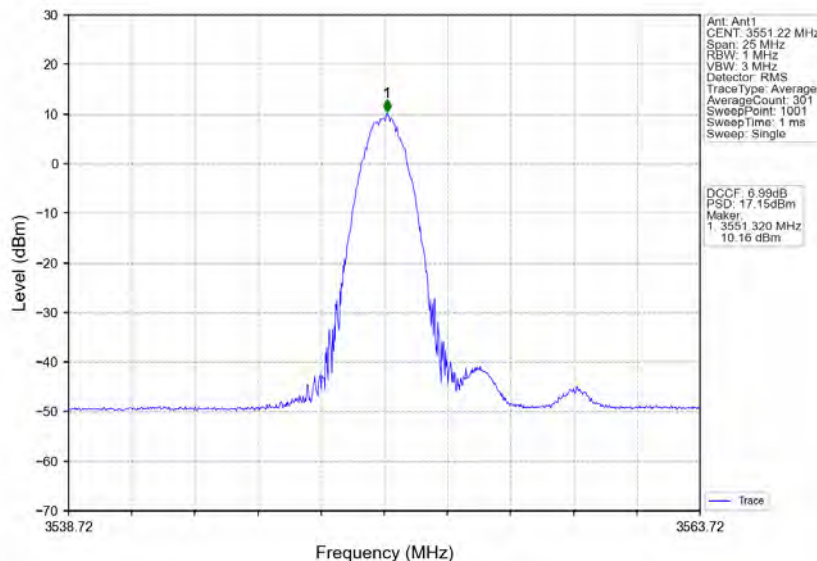
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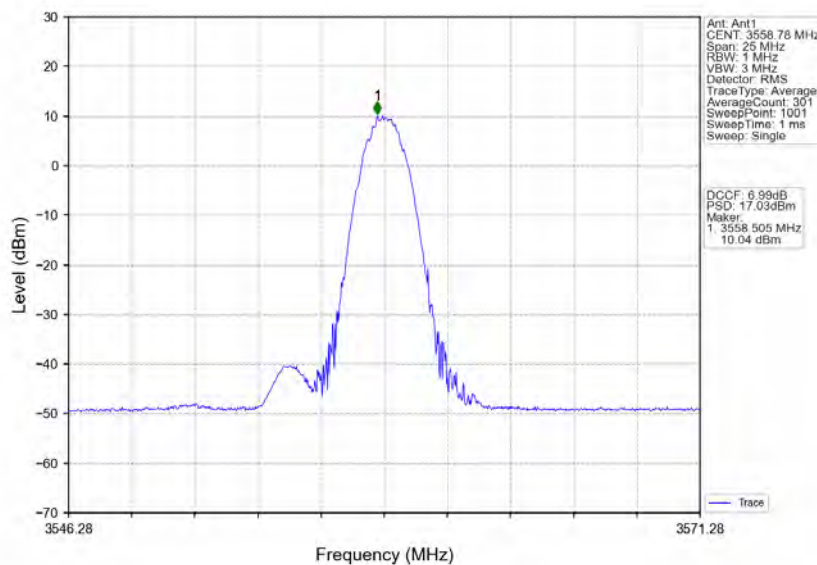
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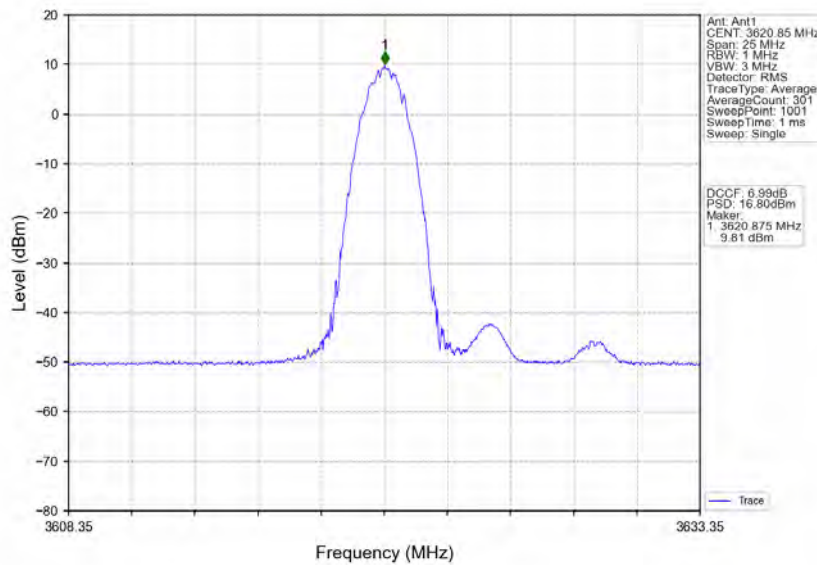
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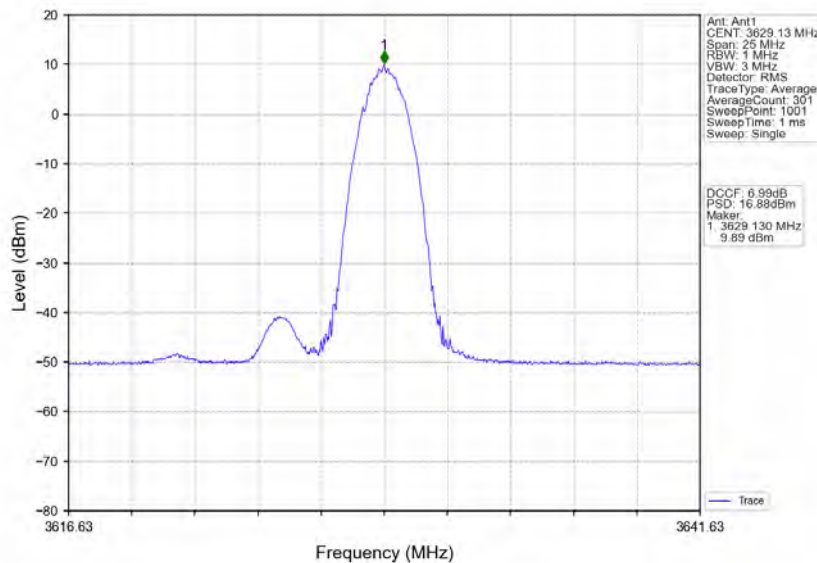
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 256 QAM_3624.99MHz_Edge_1RB_Left



n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 256 QAM_3624.99MHz_Edge_1RB_Right



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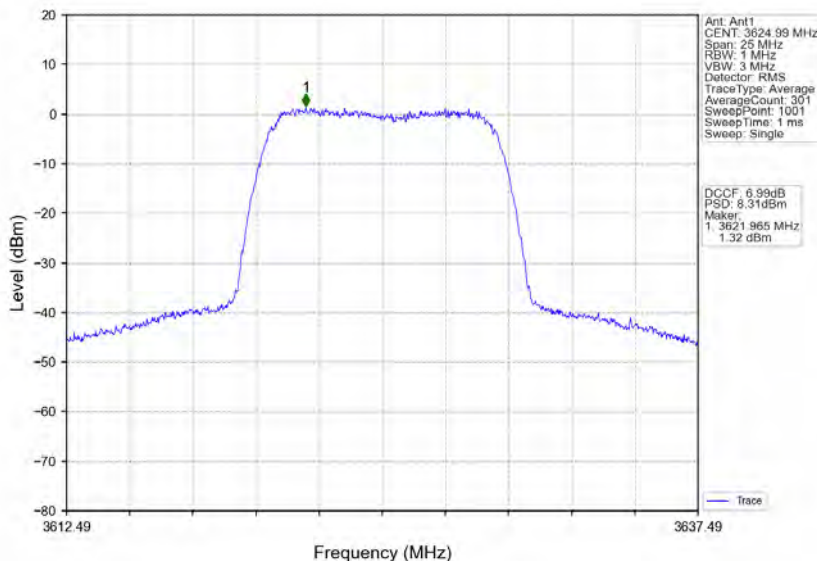
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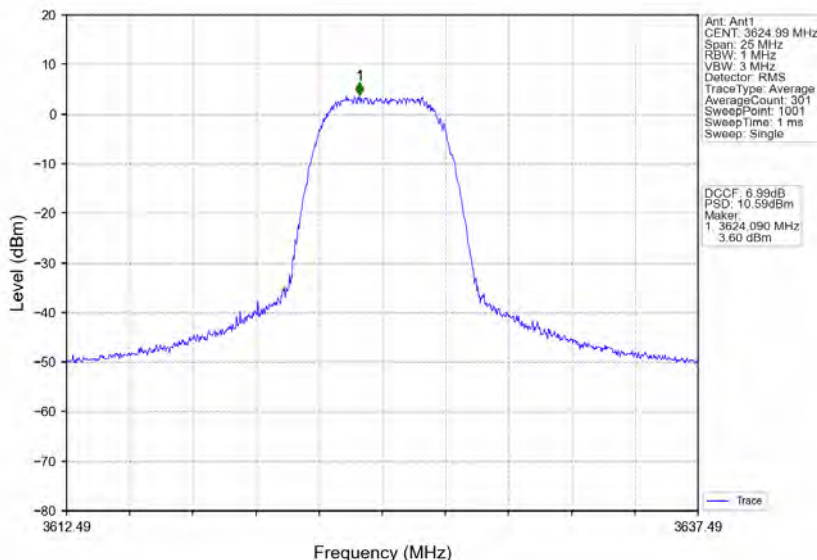
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



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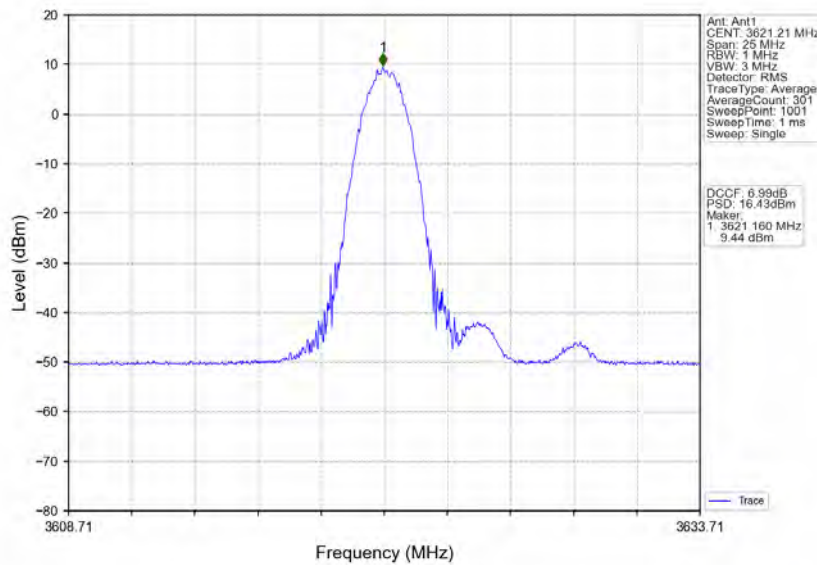


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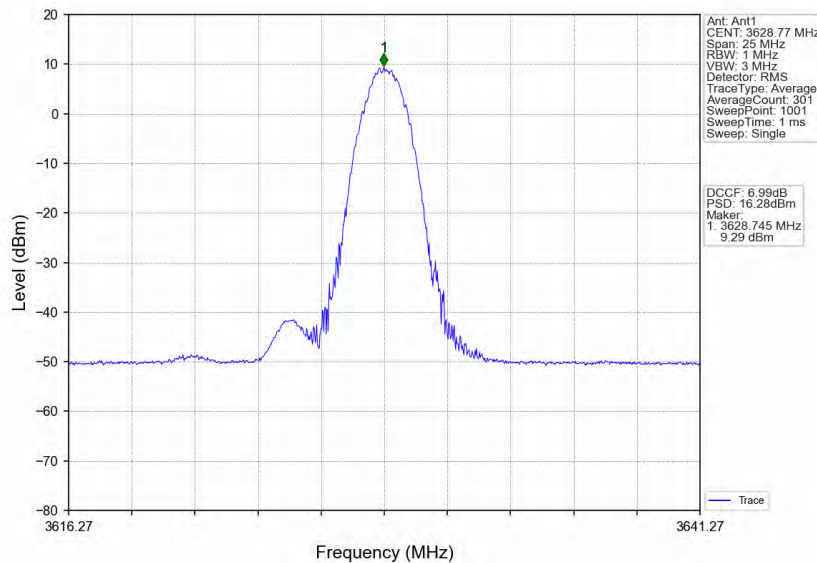
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 256 QAM_3624.99MHz_Inner_1RB_Left



n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 256 QAM_3624.99MHz_Inner_1RB_Right



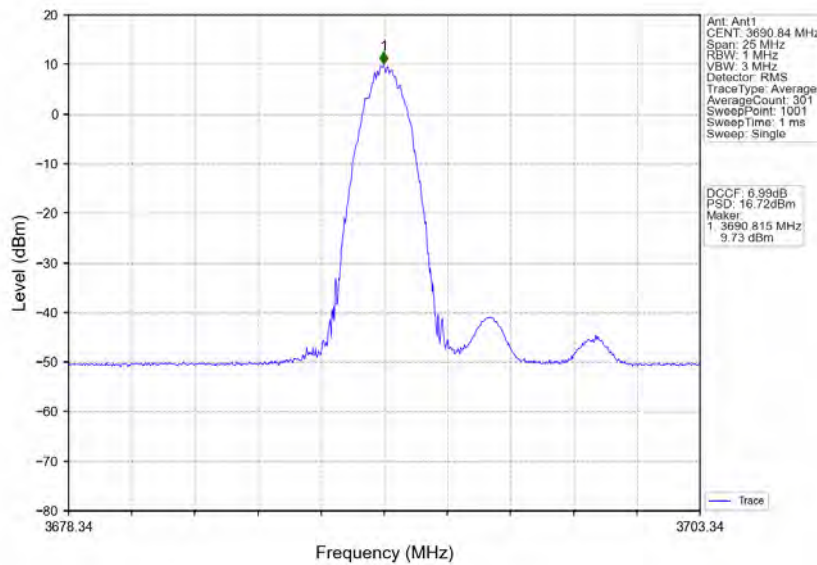
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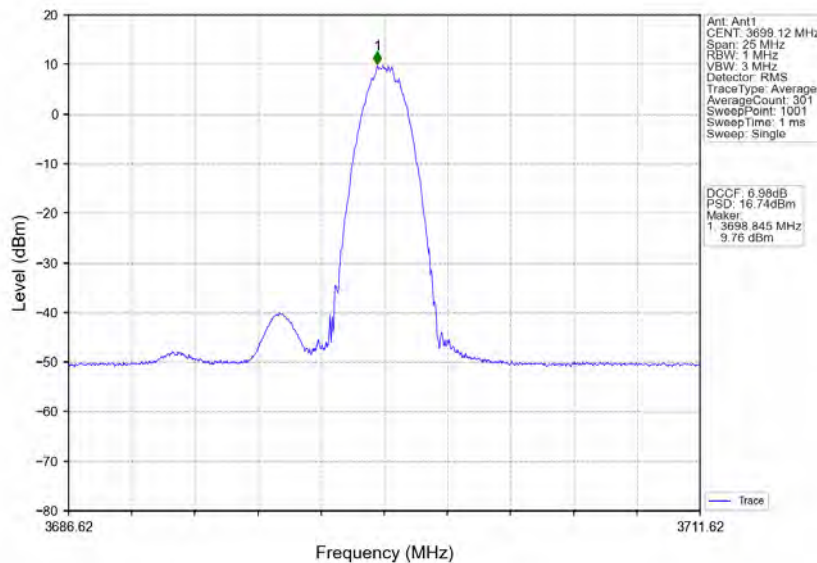
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 256 QAM_3694.98MHz_Edge_1RB_Right



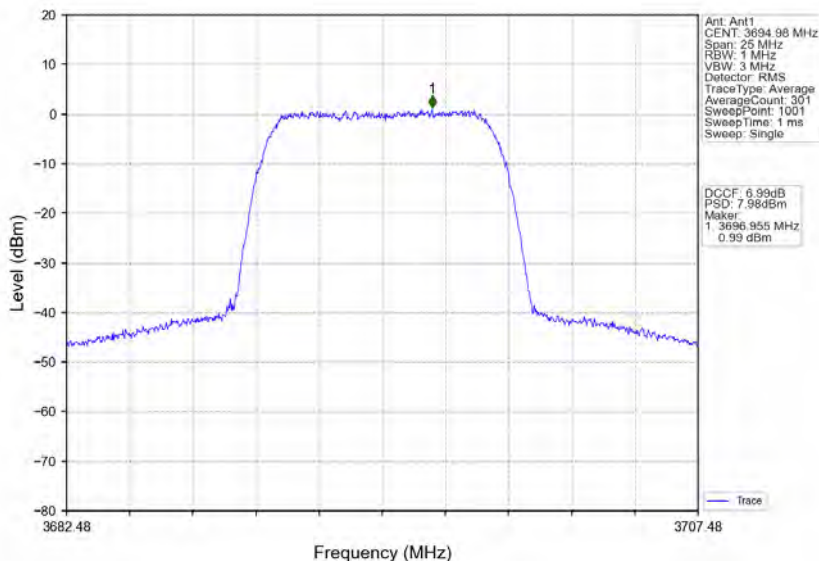
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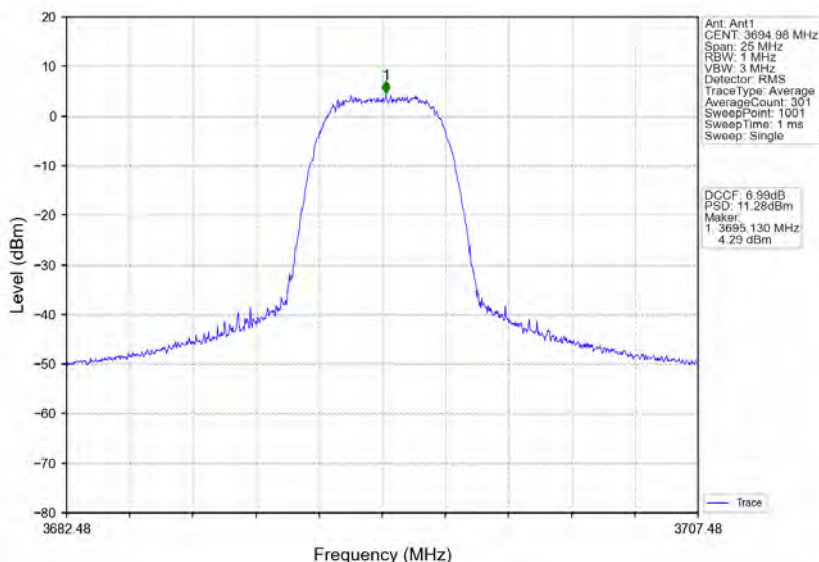
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3694.98MHz_Outer_Full



n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3694.98MHz_Inner_Full



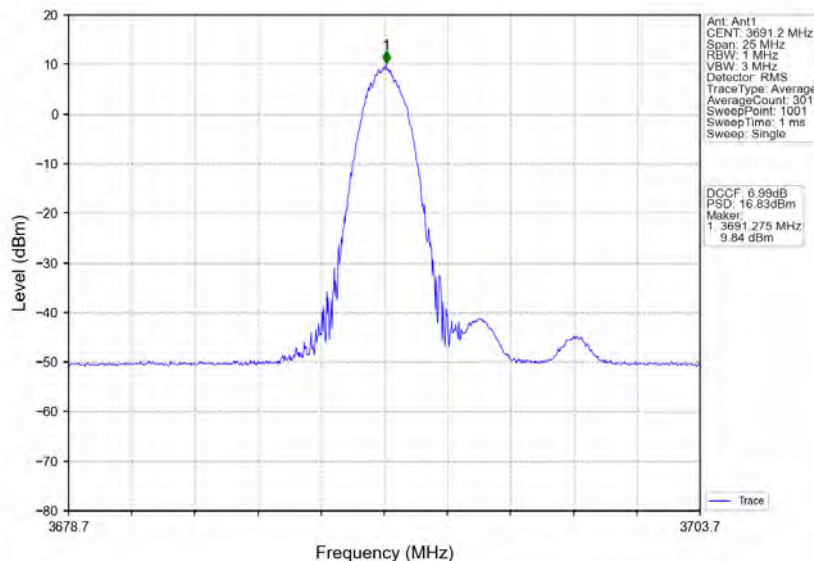
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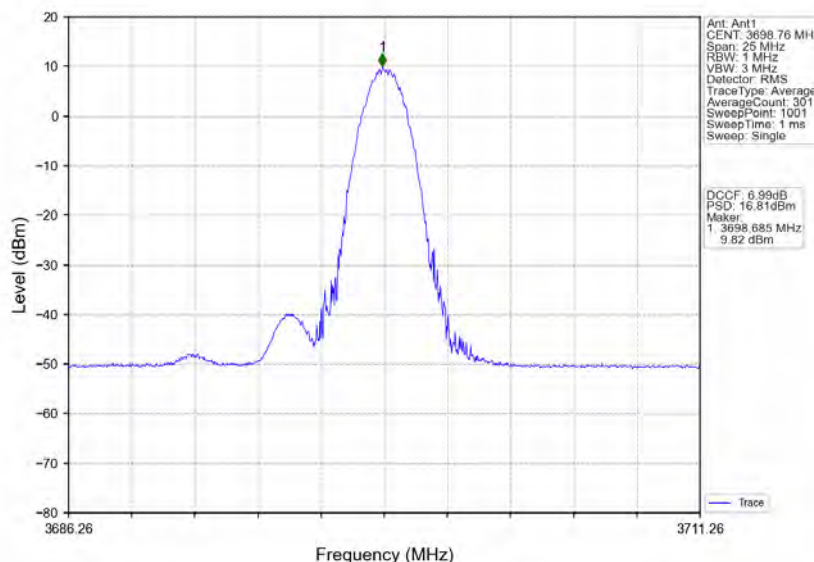
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 256 QAM_3694.98MHz_Inner_1RB_Left



n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 256 QAM_3694.98MHz_Inner_1RB_Right



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2.4 30k_MIMO_20MHz_NTNV_EIRP

2.4.1 Test Result

5G NR n48 SCS=30kHz MIMO 20MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3560.01	Edge_1RB_Left	18.93	19.01	21.98	33.25	33.36	36.32	-	Pass
		Edge_1RB_Right	19.15	19.17	22.17	33.47	33.52	36.51	-	Pass
		Outer_Full	19.07	19.22	22.16	33.39	33.57	36.49	-	Pass
		Inner_Full	19.07	19.15	22.12	33.39	33.50	36.46	-	Pass
		Inner_1RB_Left	19.01	19.06	22.05	33.33	33.41	36.38	-	Pass
		Inner_1RB_Right	19.03	19.25	22.15	33.35	33.60	36.49	-	Pass
	3624.99	Edge_1RB_Left	19.12	19.11	22.13	33.44	33.46	36.46	-	Pass
		Edge_1RB_Right	19.10	19.05	22.09	33.42	33.40	36.42	-	Pass
		Outer_Full	19.19	19.10	22.16	33.51	33.45	36.49	-	Pass
		Inner_Full	19.15	19.17	22.17	33.47	33.52	36.51	-	Pass
		Inner_1RB_Left	19.06	19.08	22.08	33.38	33.43	36.42	-	Pass
		Inner_1RB_Right	19.08	19.12	22.11	33.40	33.47	36.45	-	Pass
	3690	Edge_1RB_Left	18.74	18.69	21.73	33.06	33.04	36.06	-	Pass
		Edge_1RB_Right	18.80	18.80	21.81	33.12	33.15	36.15	-	Pass
		Outer_Full	18.84	18.75	21.81	33.16	33.10	36.14	-	Pass
		Inner_Full	18.88	18.79	21.85	33.20	33.14	36.18	-	Pass
		Inner_1RB_Left	18.64	18.76	21.71	32.96	33.11	36.05	-	Pass
		Inner_1RB_Right	18.83	18.80	21.83	33.15	33.15	36.16	-	Pass
CP-OFDM 16 QAM	3560.01	Edge_1RB_Left	19.14	19.09	22.13	33.46	33.44	36.46	-	Pass
		Edge_1RB_Right	19.32	19.20	22.27	33.64	33.55	36.61	-	Pass
		Outer_Full	19.20	19.14	22.18	33.52	33.49	36.52	-	Pass
		Inner_Full	19.16	19.21	22.20	33.48	33.56	36.53	-	Pass
		Inner_1RB_Left	19.09	19.12	22.12	33.41	33.47	36.45	-	Pass
		Inner_1RB_Right	19.28	19.23	22.27	33.60	33.58	36.60	-	Pass
	3624.99	Edge_1RB_Left	19.16	19.22	22.20	33.48	33.57	36.54	-	Pass
		Edge_1RB_Right	19.14	19.21	22.19	33.46	33.56	36.52	-	Pass
		Outer_Full	19.09	19.12	22.12	33.41	33.47	36.45	-	Pass
		Inner_Full	19.23	19.13	22.19	33.55	33.48	36.53	-	Pass
		Inner_1RB_Left	19.24	19.20	22.23	33.56	33.55	36.57	-	Pass
		Inner_1RB_Right	19.16	19.07	22.13	33.48	33.42	36.46	-	Pass
	3690	Edge_1RB_Left	18.79	18.76	21.79	33.11	33.11	36.12	-	Pass
		Edge_1RB_Right	18.91	18.94	21.94	33.23	33.29	36.27	-	Pass
		Outer_Full	18.82	18.75	21.80	33.14	33.10	36.13	-	Pass
		Inner_Full	18.87	18.77	21.83	33.19	33.12	36.17	-	Pass
		Inner_1RB_Left	18.80	18.82	21.82	33.12	33.17	36.16	-	Pass
		Inner_1RB_Right	18.92	18.91	21.93	33.24	33.26	36.26	-	Pass
CP-OFDM 64 QAM	3560.01	Edge_1RB_Left	19.27	19.16	22.23	33.59	33.51	36.56	-	Pass
		Edge_1RB_Right	19.31	19.31	22.32	33.63	33.66	36.66	-	Pass
		Outer_Full	19.18	19.18	22.19	33.50	33.53	36.53	-	Pass
		Inner_Full	19.23	19.18	22.22	33.55	33.53	36.55	-	Pass
		Inner_1RB_Left	19.28	19.21	22.26	33.60	33.56	36.59	-	Pass
		Inner_1RB_Right	19.29	19.30	22.31	33.61	33.65	36.64	-	Pass
	3624.99	Edge_1RB_Left	19.19	19.23	22.22	33.51	33.58	36.56	-	Pass
		Edge_1RB_Right	19.19	19.22	22.22	33.51	33.57	36.55	-	Pass

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CP-OFDM 256 QAM	3690	Outer_Full	19.12	19.12	22.13	33.44	33.47	36.47	-	Pass	
		Inner_Full	19.19	19.21	22.21	33.51	33.56	36.55	-	Pass	
		Inner_1RB_Left	19.36	19.42	22.40	33.68	33.77	36.74	-	Pass	
		Inner_1RB_Right	19.24	19.16	22.21	33.56	33.51	36.55	-	Pass	
	3690	Edge_1RB_Left	18.96	18.80	21.89	33.28	33.15	36.23	-	Pass	
		Edge_1RB_Right	18.96	18.94	21.96	33.28	33.29	36.30	-	Pass	
		Outer_Full	18.84	18.80	21.83	33.16	33.15	36.17	-	Pass	
		Inner_Full	18.78	18.77	21.79	33.10	33.12	36.12	-	Pass	
	CP-OFDM 256 QAM	3560.01	Inner_1RB_Left	18.81	19.00	21.92	33.13	33.35	36.25	-	Pass
			Inner_1RB_Right	18.88	18.93	21.92	33.20	33.28	36.25	-	Pass
			Edge_1RB_Left	17.43	17.46	20.46	31.75	31.81	34.79	-	Pass
			Edge_1RB_Right	17.62	17.60	20.62	31.94	31.95	34.96	-	Pass
		3560.01	Outer_Full	17.61	17.54	20.59	31.93	31.89	34.92	-	Pass
			Inner_Full	17.59	17.51	20.56	31.91	31.86	34.90	-	Pass
			Inner_1RB_Left	17.57	17.50	20.55	31.89	31.85	34.88	-	Pass
			Inner_1RB_Right	17.52	17.58	20.56	31.84	31.93	34.90	-	Pass
3624.99		Edge_1RB_Left	17.54	17.60	20.58	31.86	31.95	34.92	-	Pass	
		Edge_1RB_Right	17.57	17.54	20.57	31.89	31.89	34.90	-	Pass	
		Outer_Full	17.59	17.57	20.59	31.91	31.92	34.93	-	Pass	
		Inner_Full	17.55	17.56	20.57	31.87	31.91	34.90	-	Pass	
3690		Inner_1RB_Left	17.50	17.62	20.57	31.82	31.97	34.91	-	Pass	
		Inner_1RB_Right	17.44	17.49	20.48	31.76	31.84	34.81	-	Pass	
		Edge_1RB_Left	17.14	17.18	20.17	31.46	31.53	34.51	-	Pass	
		Edge_1RB_Right	17.23	17.23	20.24	31.55	31.58	34.58	-	Pass	
	Outer_Full	17.21	17.30	20.27	31.53	31.65	34.60	-	Pass		
	Inner_Full	17.31	17.28	20.31	31.63	31.63	34.64	-	Pass		
	Inner_1RB_Left	17.13	17.14	20.15	31.45	31.49	34.48	-	Pass		
	Inner_1RB_Right	17.22	17.23	20.24	31.54	31.58	34.57	-	Pass		

Note1: Antenna Gain: Ant1: 14.32dBi; Ant2: 14.35dBi;
 Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

2.5 30k_MIMO_20MHz_NTNV_EIRP/10MHz

2.5.1 Test Result

5G NR n48 SCS=30kHz MIMO 20MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3560.01	Edge_1RB_Left	18.54	18.31	21.44	32.86	32.66	35.77	<=47	Pass
		Edge_1RB_Right	19.37	18.42	21.93	33.69	32.77	36.26	<=47	Pass
		Outer_Full	15.59	15.78	18.70	29.91	30.13	33.03	<=47	Pass
		Inner_Full	18.32	18.41	21.38	32.64	32.76	35.71	<=47	Pass
		Inner_1RB_Left	18.48	18.20	21.35	32.80	32.55	35.69	<=47	Pass
		Inner_1RB_Right	19.06	17.80	21.49	33.38	32.15	35.82	<=47	Pass
	3624.99	Edge_1RB_Left	18.34	17.58	20.99	32.66	31.93	35.32	<=47	Pass
		Edge_1RB_Right	17.44	17.83	20.65	31.76	32.18	34.99	<=47	Pass
		Outer_Full	14.78	14.98	17.89	29.10	29.33	32.23	<=47	Pass
		Inner_Full	17.67	17.69	20.69	31.99	32.04	35.03	<=47	Pass
		Inner_1RB_Left	18.20	18.46	21.34	32.52	32.81	35.68	<=47	Pass
		Inner_1RB_Right	17.27	17.46	20.38	31.59	31.81	34.71	<=47	Pass

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	3690	Edge_1RB_Left	17.69	16.52	20.15	32.01	30.87	34.49	<=47	Pass	
		Edge_1RB_Right	18.43	17.49	21.00	32.75	31.84	35.33	<=47	Pass	
		Outer_Full	15.19	14.53	17.88	29.51	28.88	32.22	<=47	Pass	
		Inner_Full	17.58	18.05	20.83	31.90	32.40	35.17	<=47	Pass	
		Inner_1RB_Left	17.52	17.02	20.29	31.84	31.37	34.62	<=47	Pass	
		Inner_1RB_Right	16.28	10.22	17.24	30.60	24.57	31.57	<=47	Pass	
CP-OFDM 16 QAM	3560.01	Edge_1RB_Left	18.55	18.53	21.55	32.87	32.88	35.89	<=47	Pass	
		Edge_1RB_Right	18.14	18.94	21.57	32.46	33.29	35.91	<=47	Pass	
		Outer_Full	15.75	15.23	18.51	30.07	29.58	32.84	<=47	Pass	
		Inner_Full	18.63	18.89	21.77	32.95	33.24	36.11	<=47	Pass	
		Inner_1RB_Left	18.59	18.51	21.56	32.91	32.86	35.90	<=47	Pass	
		Inner_1RB_Right	18.66	19.25	21.98	32.98	33.60	36.31	<=47	Pass	
	3624.99	Edge_1RB_Left	18.00	17.21	20.63	32.32	31.56	34.97	<=47	Pass	
		Edge_1RB_Right	18.20	17.74	20.99	32.52	32.09	35.32	<=47	Pass	
		Outer_Full	15.56	15.47	18.53	29.88	29.82	32.86	<=47	Pass	
		Inner_Full	18.07	17.20	20.67	32.39	31.55	35.00	<=47	Pass	
		Inner_1RB_Left	18.79	17.35	21.14	33.11	31.70	35.47	<=47	Pass	
		Inner_1RB_Right	18.08	18.27	21.19	32.40	32.62	35.52	<=47	Pass	
	3690	Edge_1RB_Left	17.71	18.12	20.93	32.03	32.47	35.27	<=47	Pass	
		Edge_1RB_Right	17.35	17.21	20.29	31.67	31.56	34.63	<=47	Pass	
		Outer_Full	15.12	14.20	17.69	29.44	28.55	32.03	<=47	Pass	
		Inner_Full	18.20	17.79	21.01	32.52	32.14	35.34	<=47	Pass	
		Inner_1RB_Left	17.60	17.31	20.47	31.92	31.66	34.80	<=47	Pass	
		Inner_1RB_Right	17.71	18.14	20.94	32.03	32.49	35.28	<=47	Pass	
	CP-OFDM 64 QAM	3560.01	Edge_1RB_Left	18.52	18.98	21.77	32.84	33.33	36.10	<=47	Pass
			Edge_1RB_Right	19.08	18.87	21.99	33.40	33.22	36.32	<=47	Pass
			Outer_Full	16.30	15.94	19.13	30.62	30.29	33.47	<=47	Pass
			Inner_Full	18.51	18.36	21.45	32.83	32.71	35.78	<=47	Pass
			Inner_1RB_Left	18.50	18.37	21.45	32.82	32.72	35.78	<=47	Pass
			Inner_1RB_Right	18.20	18.45	21.34	32.52	32.80	35.67	<=47	Pass
3624.99		Edge_1RB_Left	17.87	17.74	20.82	32.19	32.09	35.15	<=47	Pass	
		Edge_1RB_Right	18.13	17.93	21.04	32.45	32.28	35.38	<=47	Pass	
		Outer_Full	14.98	15.36	18.18	29.30	29.71	32.52	<=47	Pass	
		Inner_Full	18.20	18.55	21.39	32.52	32.90	35.72	<=47	Pass	
		Inner_1RB_Left	18.83	18.77	21.81	33.15	33.12	36.15	<=47	Pass	
		Inner_1RB_Right	16.88	18.31	20.66	31.20	32.66	35.00	<=47	Pass	
3690		Edge_1RB_Left	16.79	18.17	20.54	31.11	32.52	34.88	<=47	Pass	
		Edge_1RB_Right	11.15	18.06	18.87	25.47	32.41	33.21	<=47	Pass	
		Outer_Full	14.64	15.35	18.02	28.96	29.70	32.36	<=47	Pass	
		Inner_Full	17.60	18.38	21.02	31.92	32.73	35.35	<=47	Pass	
		Inner_1RB_Left	17.46	17.81	20.65	31.78	32.16	34.98	<=47	Pass	
		Inner_1RB_Right	17.80	17.97	20.90	32.12	32.32	35.23	<=47	Pass	
CP-OFDM 256 QAM		3560.01	Edge_1RB_Left	16.99	17.29	20.15	31.31	31.64	34.49	<=47	Pass
			Edge_1RB_Right	17.24	17.72	20.50	31.56	32.07	34.83	<=47	Pass
			Outer_Full	14.24	14.16	17.21	28.56	28.51	31.55	<=47	Pass
			Inner_Full	16.79	17.06	19.94	31.11	31.41	34.27	<=47	Pass
			Inner_1RB_Left	16.90	16.19	19.57	31.22	30.54	33.90	<=47	Pass
			Inner_1RB_Right	16.89	17.34	20.13	31.21	31.69	34.47	<=47	Pass
	3624.99	Edge_1RB_Left	15.67	16.13	18.92	29.99	30.48	33.25	<=47	Pass	
		Edge_1RB_Right	16.65	15.68	19.20	30.97	30.03	33.54	<=47	Pass	
		Outer_Full	13.65	13.40	16.54	27.97	27.75	30.87	<=47	Pass	
		Inner_Full	16.80	16.40	19.61	31.12	30.75	33.95	<=47	Pass	
		Inner_1RB_Left	16.04	16.67	19.38	30.36	31.02	33.71	<=47	Pass	
		Inner_1RB_Right	15.73	16.64	19.22	30.05	30.99	33.56	<=47	Pass	

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3690	Edge_1RB_Left	16.13	16.34	19.25	30.45	30.69	33.58	<=47	Pass
	Edge_1RB_Right	15.92	16.01	18.98	30.24	30.36	33.31	<=47	Pass
	Outer_Full	14.31	13.76	17.05	28.63	28.11	31.39	<=47	Pass
	Inner_Full	16.03	16.19	19.12	30.35	30.54	33.46	<=47	Pass
	Inner_1RB_Left	15.17	15.72	18.46	29.49	30.07	32.80	<=47	Pass
	Inner_1RB_Right	15.50	17.39	19.56	29.82	31.74	33.90	<=47	Pass

Note1: Antenna Gain: Ant1: 14.32dBi; Ant2: 14.35dBi;
 Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

2.6 30k_MIMO_20MHz_NTNV_PSD

2.6.1 Test Result

5G NR n48 SCS=30kHz MIMO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted PSD(dBm/MHz)			E.I.R.PSD(dBm/MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3560.01	Edge_1RB_Left	18.52	18.57	21.56	32.84	32.92	35.89	<=37	Pass
		Edge_1RB_Right	18.46	19.16	21.83	32.78	33.51	36.17	<=37	Pass
		Outer_Full	6.38	7.37	9.91	20.70	21.72	24.25	<=37	Pass
		Inner_Full	10.28	9.73	13.02	24.60	24.08	27.36	<=37	Pass
		Inner_1RB_Left	18.70	18.85	21.79	33.02	33.20	36.12	<=37	Pass
		Inner_1RB_Right	19.80	18.64	22.27	34.12	32.99	36.60	<=37	Pass
	3624.99	Edge_1RB_Left	18.52	18.74	21.64	32.84	33.09	35.98	<=37	Pass
		Edge_1RB_Right	18.16	18.43	21.31	32.48	32.78	35.64	<=37	Pass
		Outer_Full	6.31	7.03	9.70	20.63	21.38	24.03	<=37	Pass
		Inner_Full	9.83	9.19	12.53	24.15	23.54	26.87	<=37	Pass
		Inner_1RB_Left	18.26	17.74	21.02	32.58	32.09	35.35	<=37	Pass
		Inner_1RB_Right	18.09	18.07	21.09	32.41	32.42	35.43	<=37	Pass
	3690	Edge_1RB_Left	17.22	17.50	20.37	31.54	31.85	34.71	<=37	Pass
		Edge_1RB_Right	17.56	18.15	20.88	31.88	32.50	35.21	<=37	Pass
		Outer_Full	6.60	7.04	9.84	20.92	21.39	24.17	<=37	Pass
		Inner_Full	9.46	9.66	12.57	23.78	24.01	26.91	<=37	Pass
		Inner_1RB_Left	17.99	19.10	21.59	32.31	33.45	35.93	<=37	Pass
		Inner_1RB_Right	18.05	11.03	18.84	32.37	25.38	33.16	<=37	Pass
CP-OFDM 16 QAM	3560.01	Edge_1RB_Left	19.46	17.37	21.55	33.78	31.72	35.88	<=37	Pass
		Edge_1RB_Right	18.91	18.79	21.86	33.23	33.14	36.20	<=37	Pass
		Outer_Full	7.66	7.27	10.48	21.98	21.62	24.81	<=37	Pass
		Inner_Full	9.91	10.54	13.25	24.23	24.89	27.58	<=37	Pass
		Inner_1RB_Left	18.83	19.36	22.11	33.15	33.71	36.45	<=37	Pass
		Inner_1RB_Right	19.56	18.81	22.21	33.88	33.16	36.55	<=37	Pass
	3624.99	Edge_1RB_Left	18.90	19.81	22.39	33.22	34.16	36.73	<=37	Pass
		Edge_1RB_Right	18.93	17.63	21.34	33.25	31.98	35.67	<=37	Pass
		Outer_Full	6.73	6.94	9.85	21.05	21.29	24.18	<=37	Pass
		Inner_Full	10.45	10.17	13.32	24.77	24.52	27.66	<=37	Pass
		Inner_1RB_Left	18.33	18.13	21.24	32.65	32.48	35.58	<=37	Pass
		Inner_1RB_Right	18.63	17.25	21.00	32.95	31.60	35.34	<=37	Pass
	3690	Edge_1RB_Left	17.53	18.57	21.09	31.85	32.92	35.43	<=37	Pass
		Edge_1RB_Right	18.53	18.86	21.71	32.85	33.21	36.04	<=37	Pass
		Outer_Full	7.00	6.41	9.73	21.32	20.76	24.06	<=37	Pass
		Inner_Full	9.60	9.74	12.68	23.92	24.09	27.02	<=37	Pass
		Inner_1RB_Left	18.28	17.72	21.02	32.60	32.07	35.35	<=37	Pass

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CP-OFDM 64 QAM	3560.01	Inner_1RB_Right	18.57	18.32	21.46	32.89	32.67	35.79	<=37	Pass
		Edge_1RB_Left	18.78	19.67	22.26	33.10	34.02	36.59	<=37	Pass
		Edge_1RB_Right	18.82	18.74	21.79	33.14	33.09	36.13	<=37	Pass
		Outer_Full	7.34	7.05	10.21	21.66	21.40	24.54	<=37	Pass
		Inner_Full	9.95	9.95	12.96	24.27	24.30	27.30	<=37	Pass
		Inner_1RB_Left	18.05	18.64	21.37	32.37	32.99	35.70	<=37	Pass
	3624.99	Inner_1RB_Right	18.80	18.79	21.81	33.12	33.14	36.14	<=37	Pass
		Edge_1RB_Left	17.63	18.33	21.00	31.95	32.68	35.34	<=37	Pass
		Edge_1RB_Right	18.56	19.31	21.96	32.88	33.66	36.30	<=37	Pass
		Outer_Full	7.36	6.87	10.13	21.68	21.22	24.47	<=37	Pass
		Inner_Full	10.16	10.18	13.18	24.48	24.53	27.52	<=37	Pass
		Inner_1RB_Left	18.41	18.51	21.47	32.73	32.86	35.81	<=37	Pass
	3690	Inner_1RB_Right	18.30	18.23	21.28	32.62	32.58	35.61	<=37	Pass
		Edge_1RB_Left	18.21	18.21	21.22	32.53	32.56	35.56	<=37	Pass
		Edge_1RB_Right	11.89	17.81	18.80	26.21	32.16	33.14	<=37	Pass
		Outer_Full	6.52	6.90	9.72	20.84	21.25	24.06	<=37	Pass
		Inner_Full	9.25	9.33	12.30	23.57	23.68	26.64	<=37	Pass
		Inner_1RB_Left	18.20	18.17	21.20	32.52	32.52	35.53	<=37	Pass
CP-OFDM 256 QAM	3560.01	Inner_1RB_Right	18.86	18.32	21.61	33.18	32.67	35.94	<=37	Pass
		Edge_1RB_Left	17.27	17.73	20.52	31.59	32.08	34.85	<=37	Pass
		Edge_1RB_Right	17.30	17.10	20.21	31.62	31.45	34.55	<=37	Pass
		Outer_Full	5.73	5.71	8.73	20.05	20.06	23.07	<=37	Pass
		Inner_Full	8.55	8.58	11.58	22.87	22.93	25.91	<=37	Pass
		Inner_1RB_Left	16.89	17.23	20.07	31.21	31.58	34.41	<=37	Pass
	3624.99	Inner_1RB_Right	17.45	17.09	20.28	31.77	31.44	34.62	<=37	Pass
		Edge_1RB_Left	16.04	17.11	19.62	30.36	31.46	33.96	<=37	Pass
		Edge_1RB_Right	16.43	17.33	19.91	30.75	31.68	34.25	<=37	Pass
		Outer_Full	4.55	4.98	7.78	18.87	19.33	22.12	<=37	Pass
		Inner_Full	8.14	7.88	11.02	22.46	22.23	25.36	<=37	Pass
		Inner_1RB_Left	17.14	16.96	20.06	31.46	31.31	34.40	<=37	Pass
	3690	Inner_1RB_Right	15.60	16.29	18.97	29.92	30.64	33.31	<=37	Pass
		Edge_1RB_Left	16.13	16.28	19.22	30.45	30.63	33.55	<=37	Pass
		Edge_1RB_Right	16.90	16.42	19.68	31.22	30.77	34.01	<=37	Pass
		Outer_Full	5.70	5.48	8.60	20.02	19.83	22.94	<=37	Pass
		Inner_Full	7.40	8.03	10.74	21.72	22.38	25.07	<=37	Pass
		Inner_1RB_Left	17.29	15.77	19.61	31.61	30.12	33.94	<=37	Pass
		Inner_1RB_Right	16.96	16.69	19.84	31.28	31.04	34.17	<=37	Pass

Note1: Antenna Gain: Ant1: 14.32dBi; Ant2: 14.35dBi;
 Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2



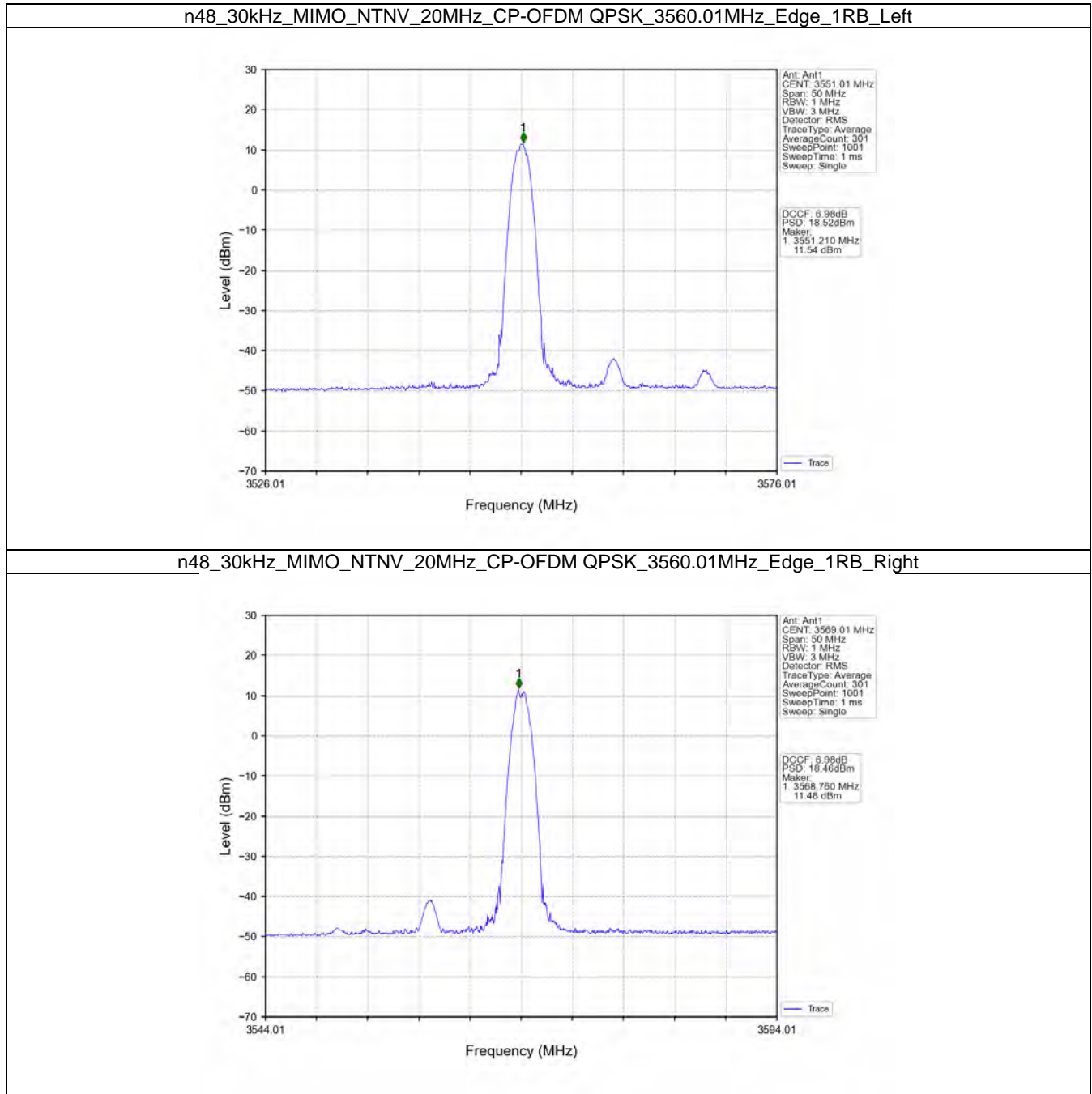
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2.6.2 Test Graph for ANT1



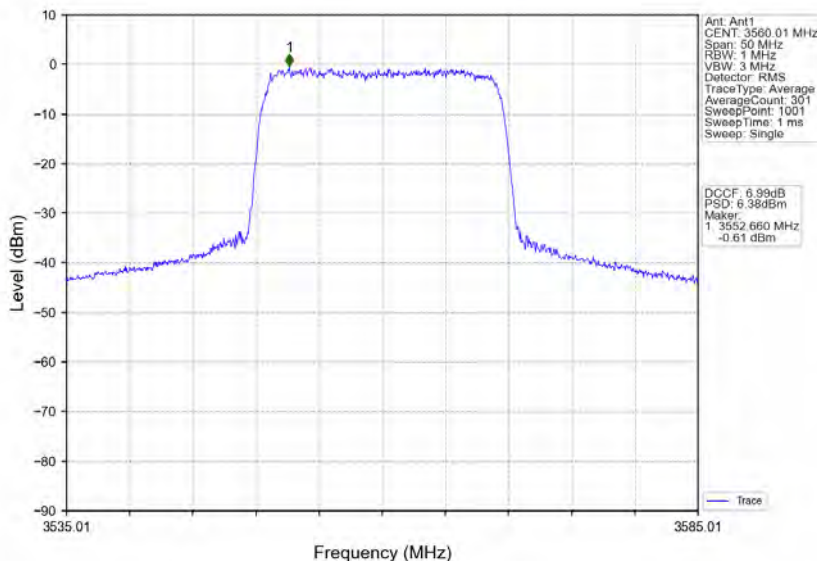
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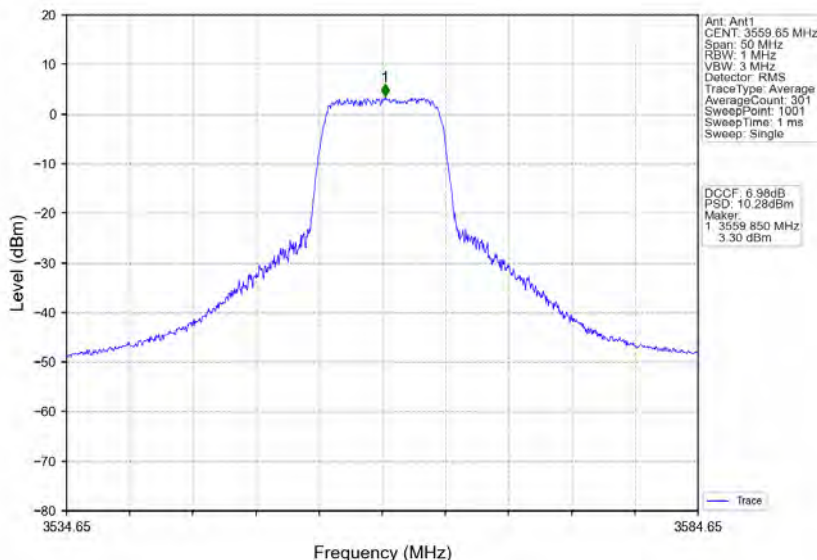
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n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3560.01MHz_Outer_Full



n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3560.01MHz_Inner_Full

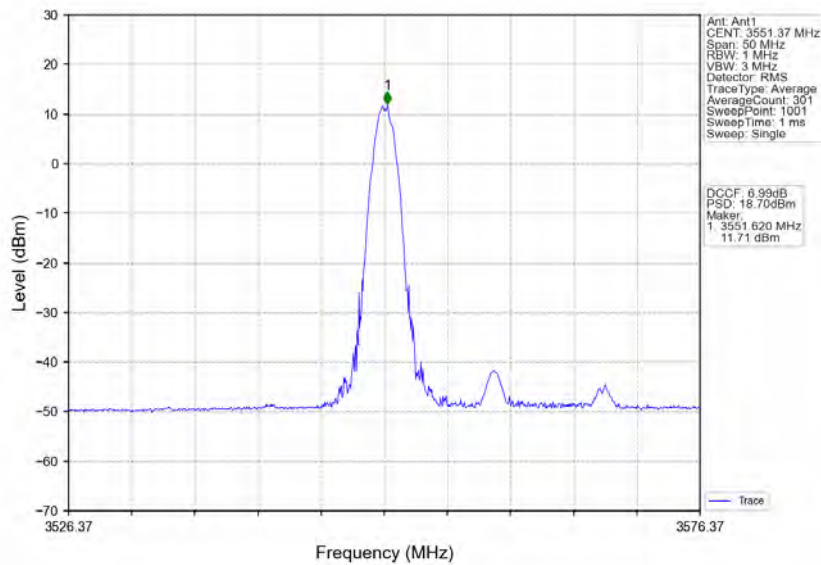


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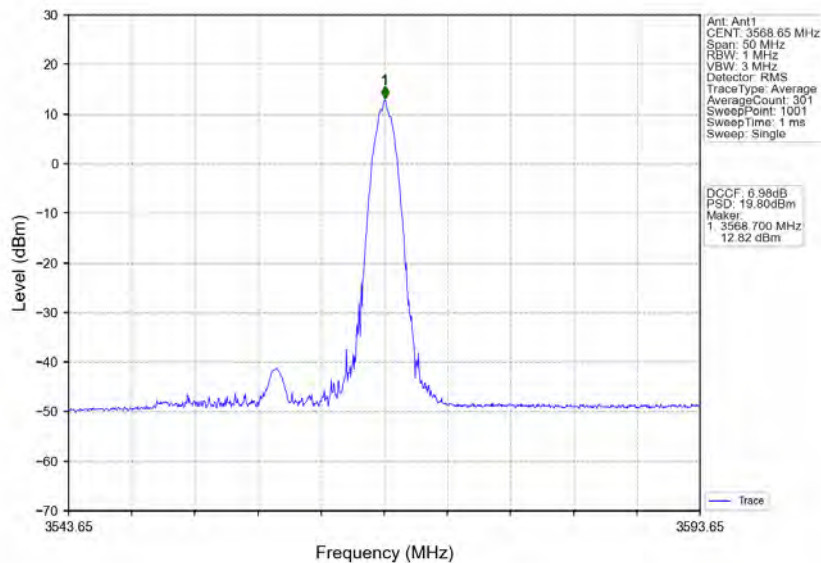
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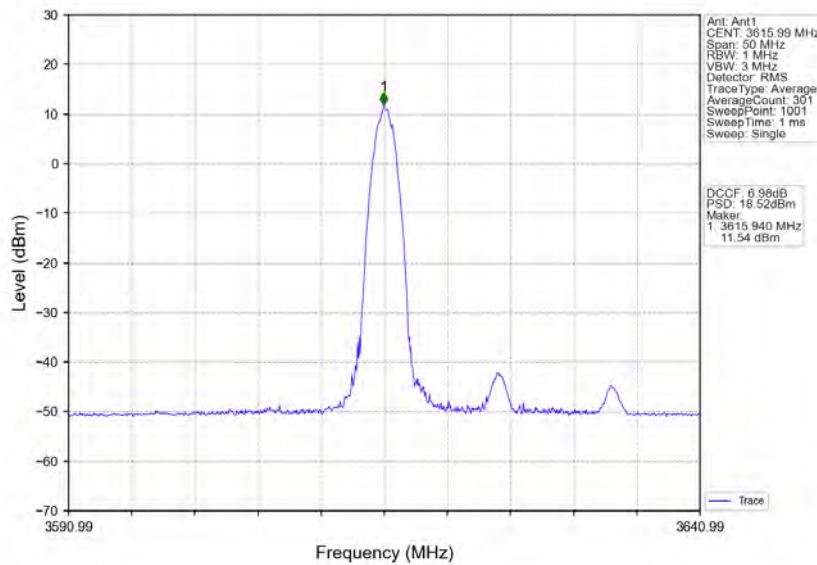
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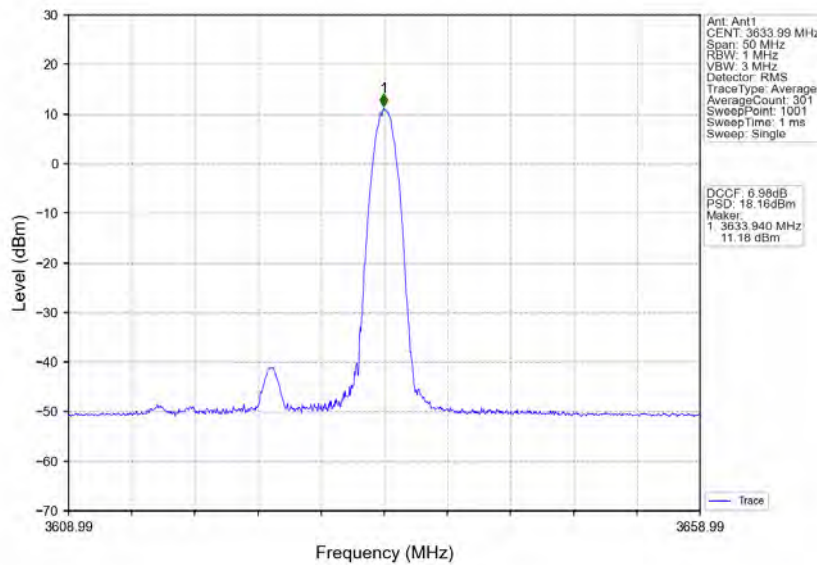
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n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3624.99MHz_Edge_1RB_Left



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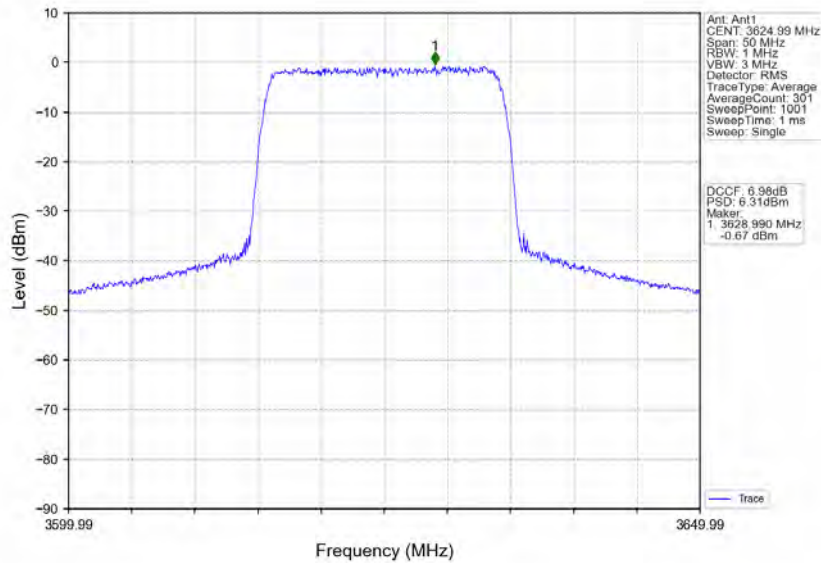
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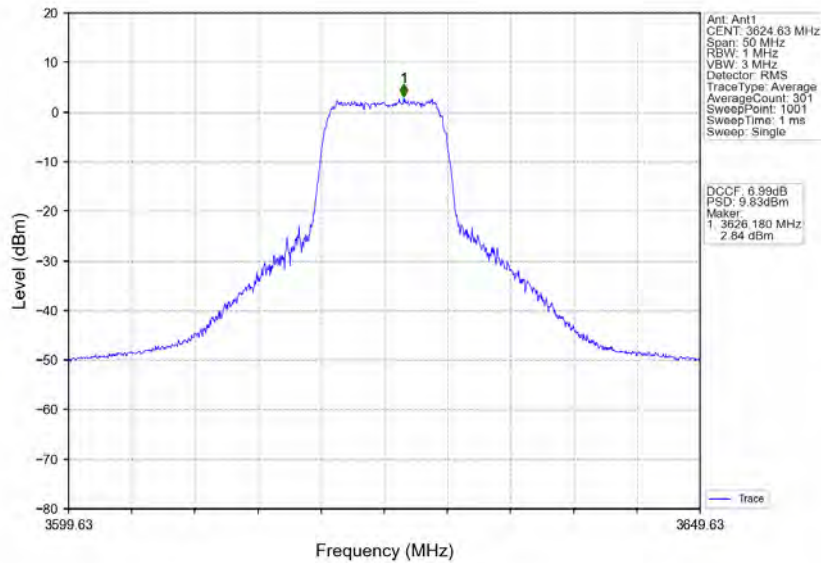
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n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



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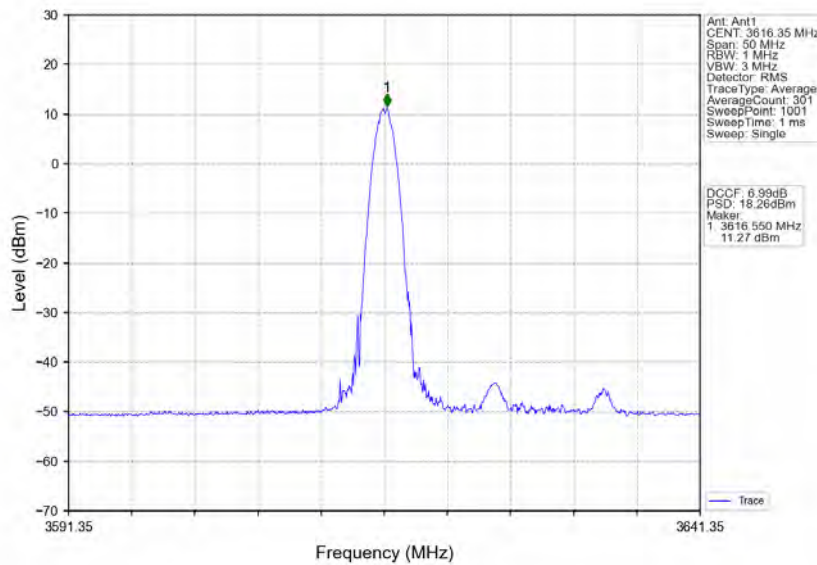
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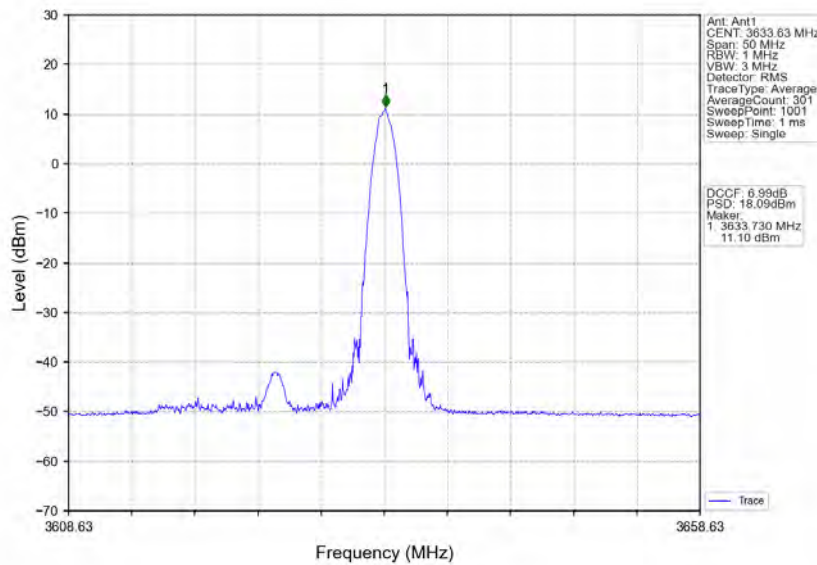
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n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3624.99MHz_Inner_1RB_Left



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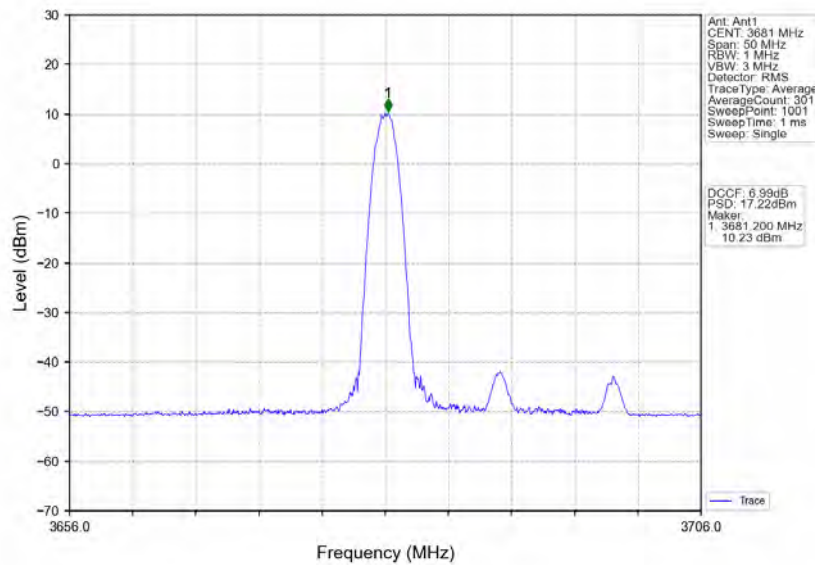
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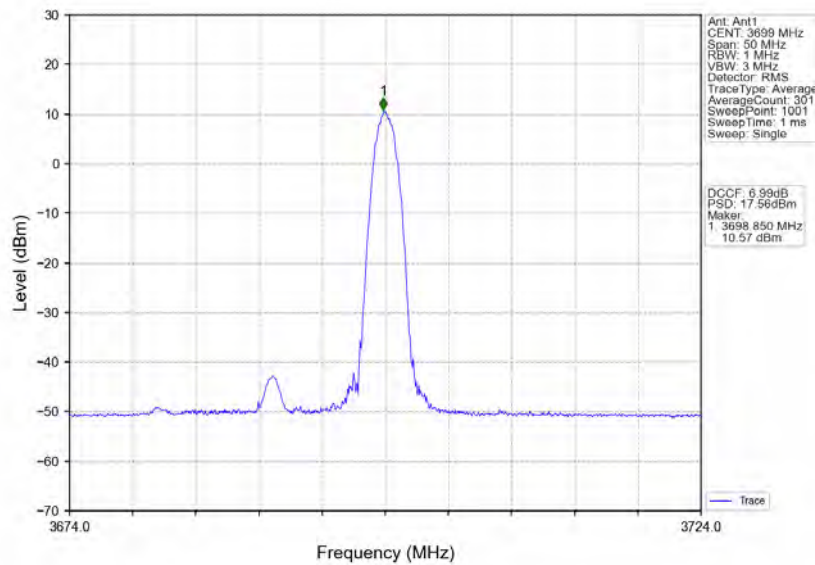
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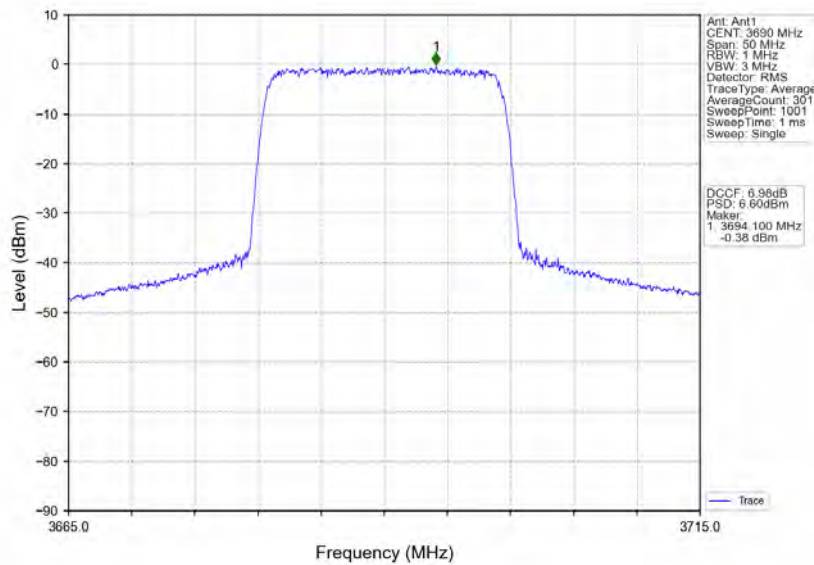
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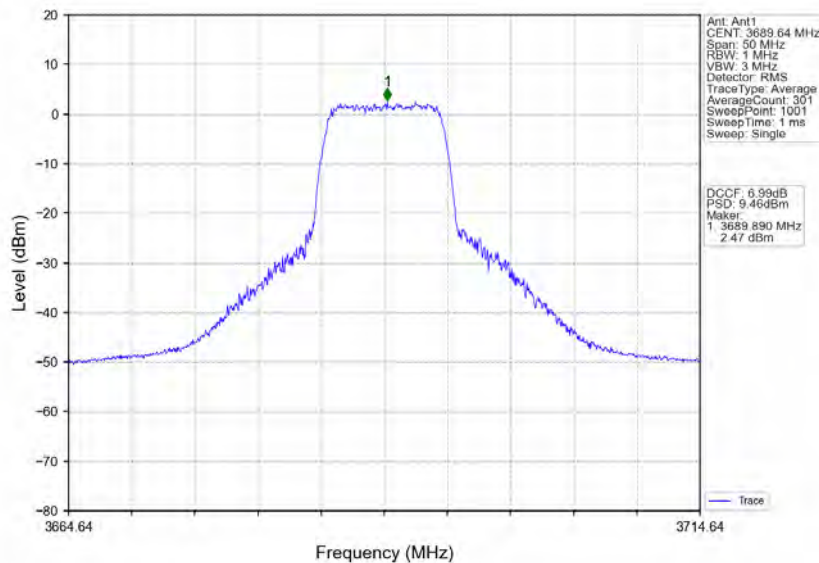
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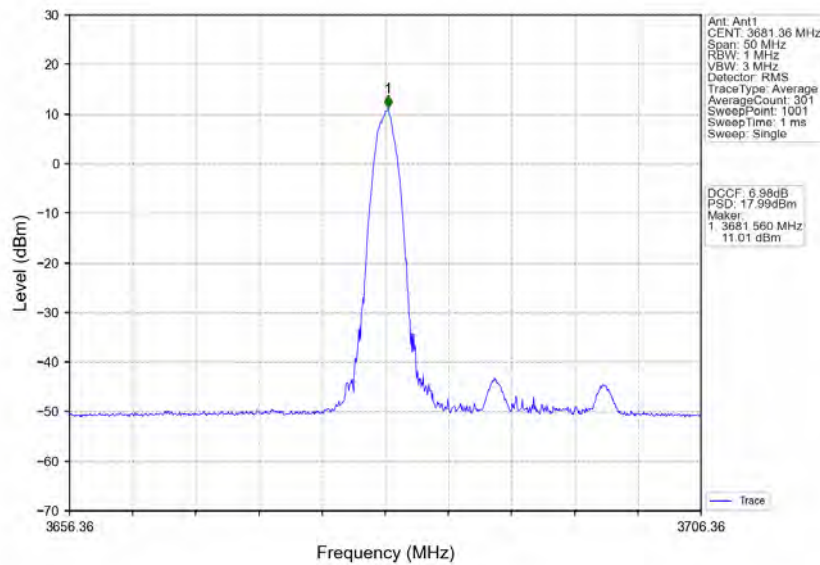
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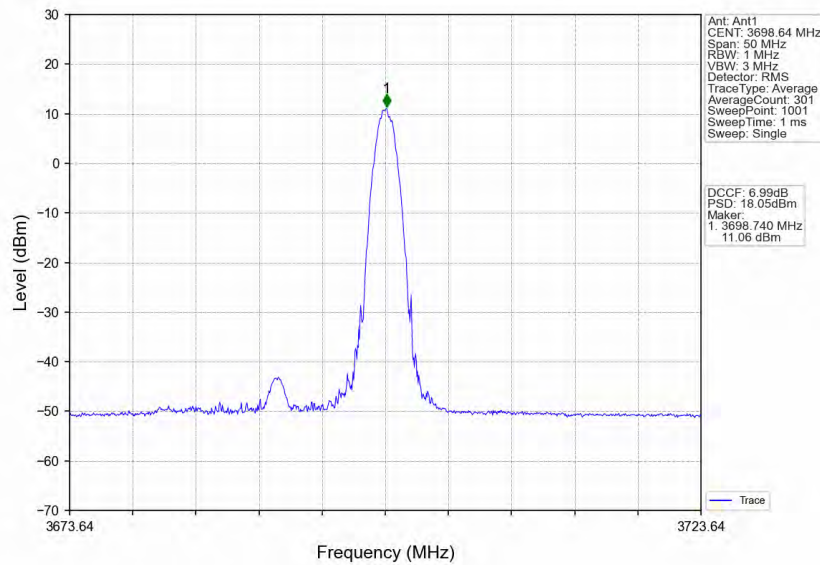
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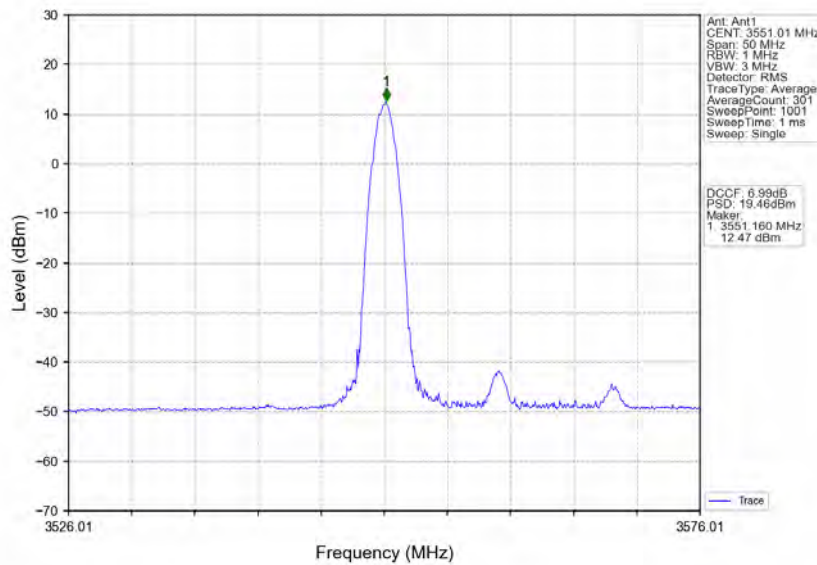
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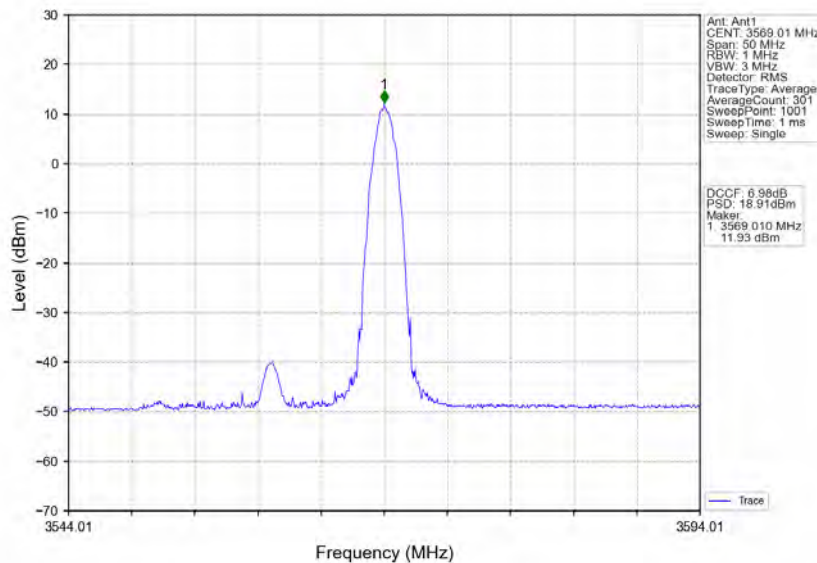
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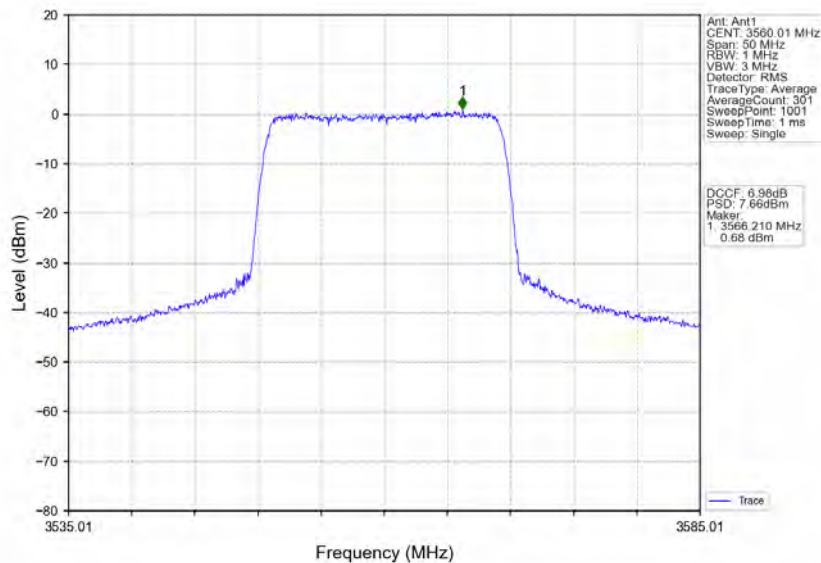
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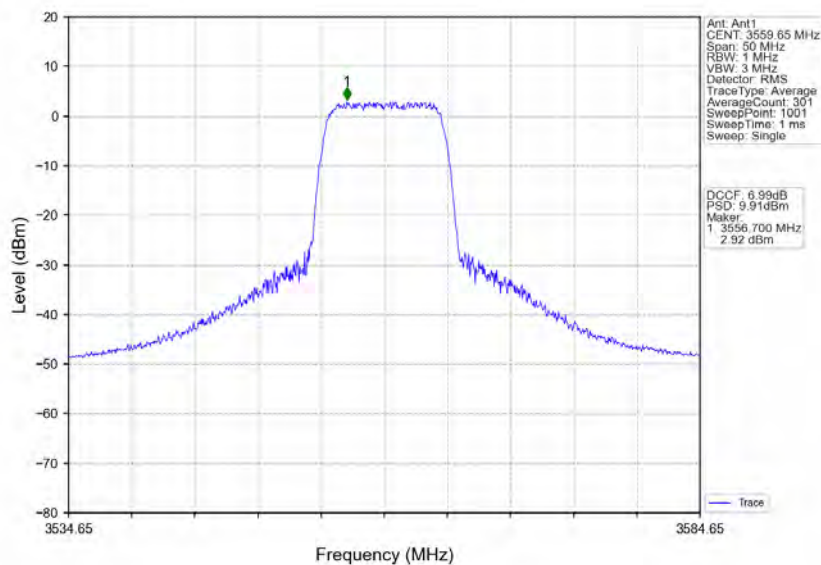
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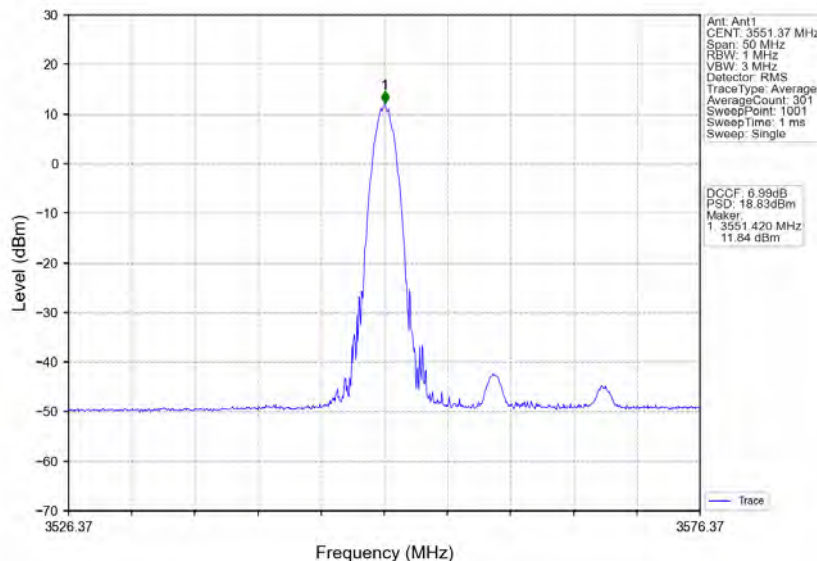
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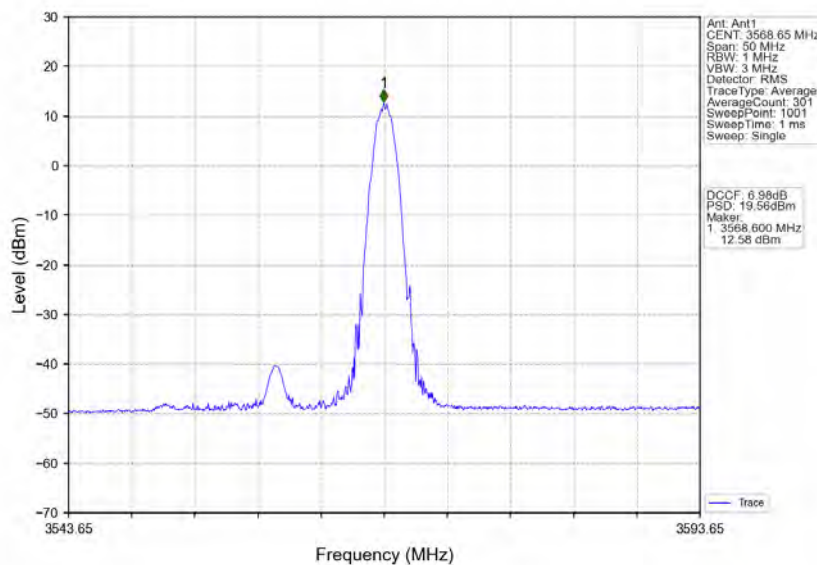
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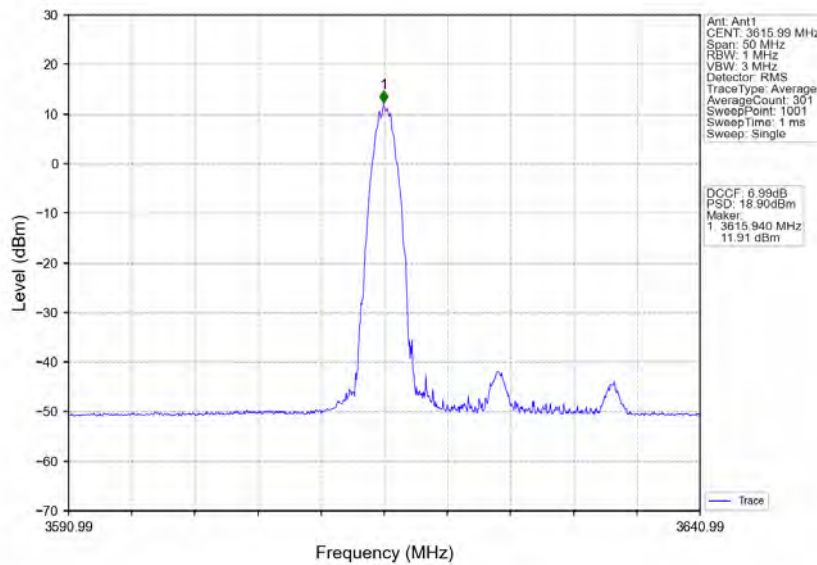
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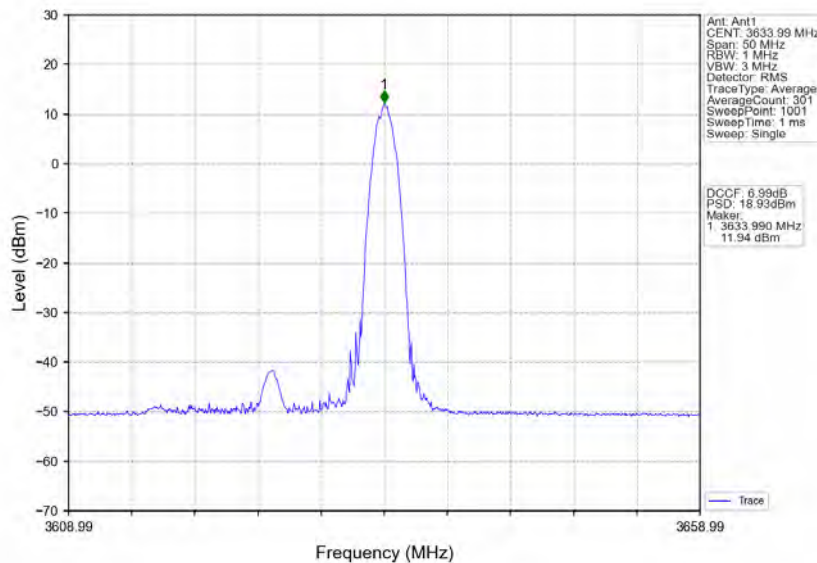
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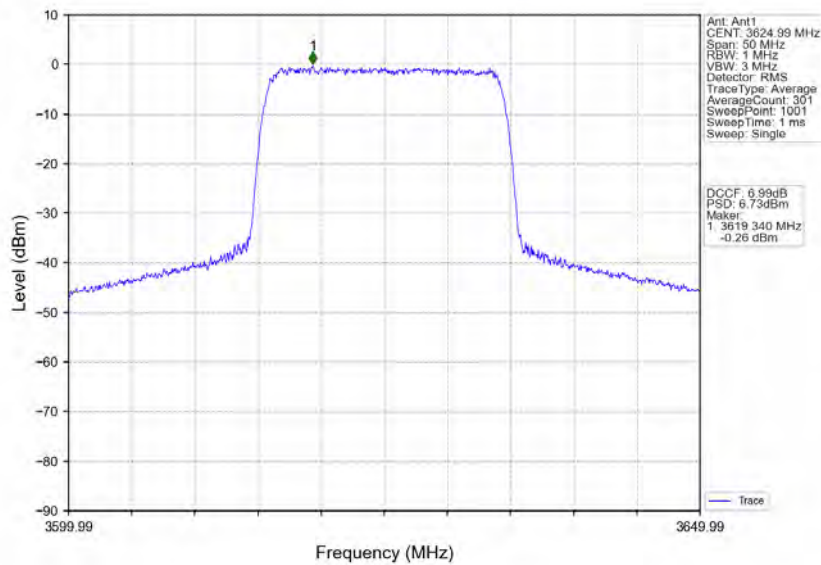
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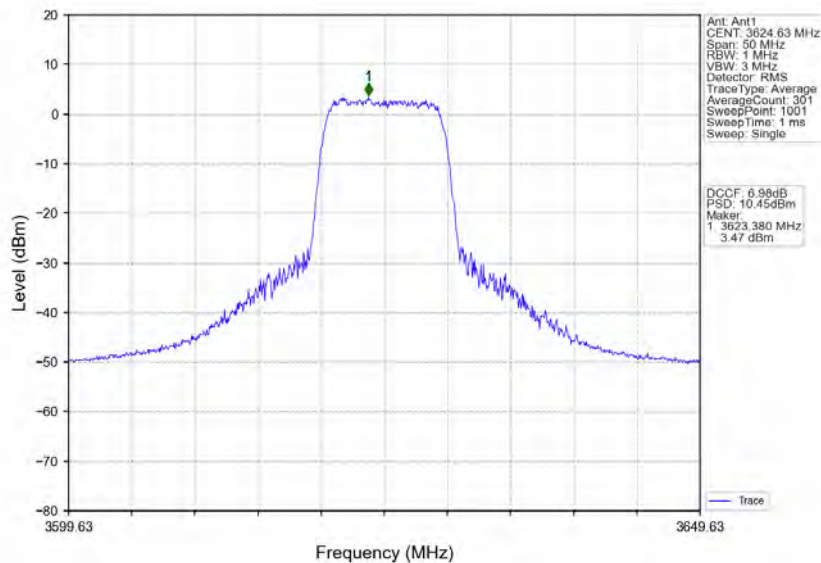
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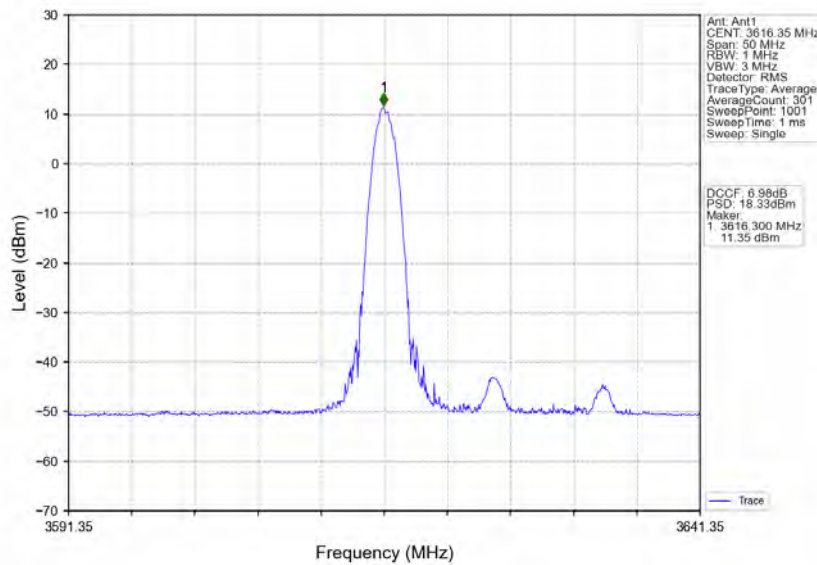
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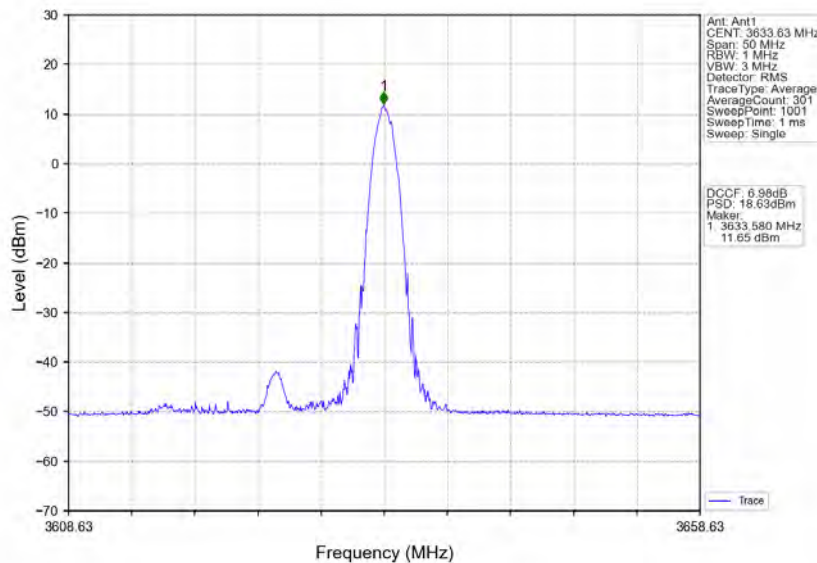
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n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM 16 QAM_3624.99MHz_Inner_1RB_Left



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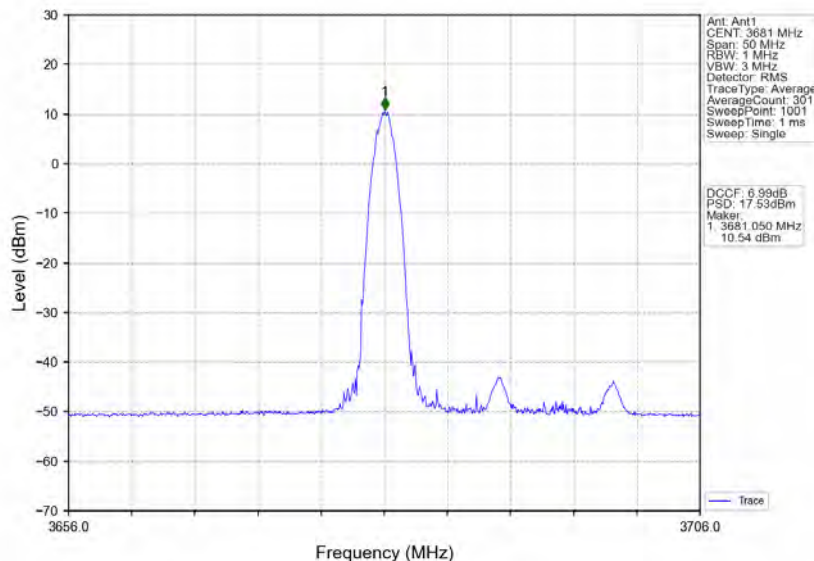
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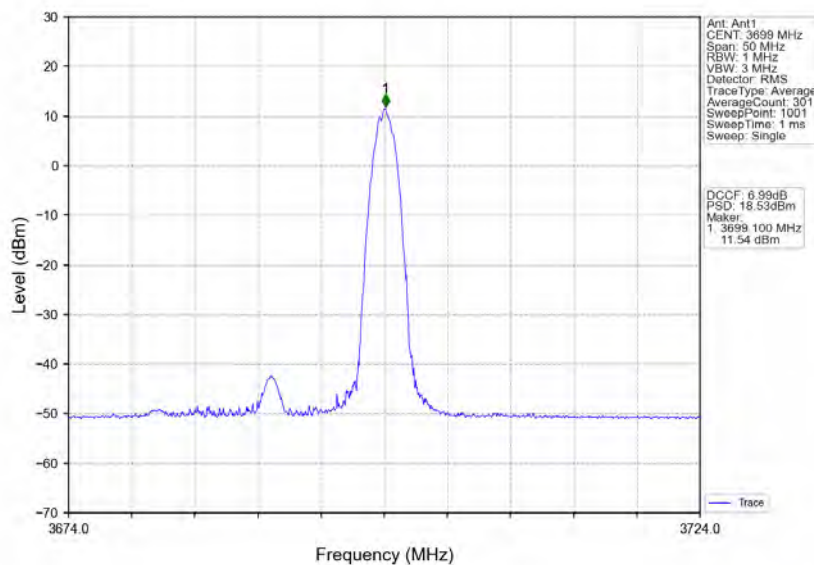
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n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM_16 QAM_3690MHz_Edge_1RB_Left



n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM_16 QAM_3690MHz_Edge_1RB_Right



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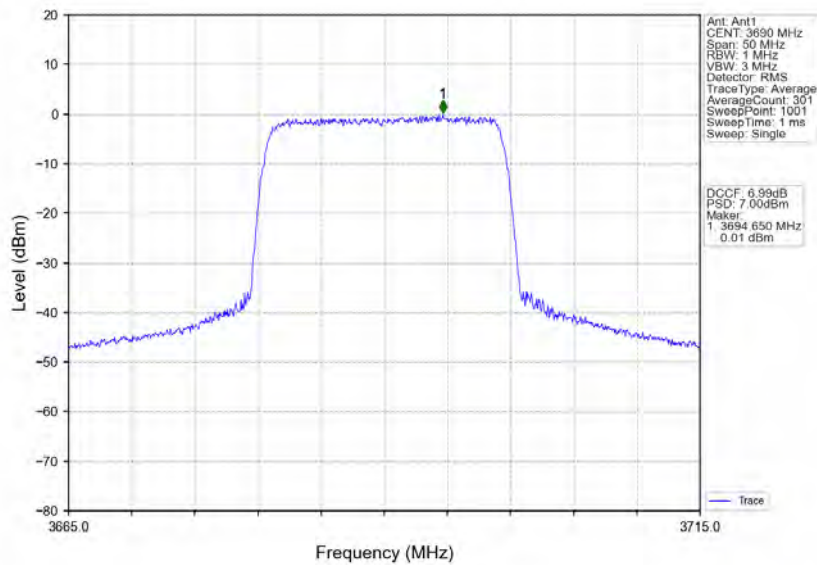
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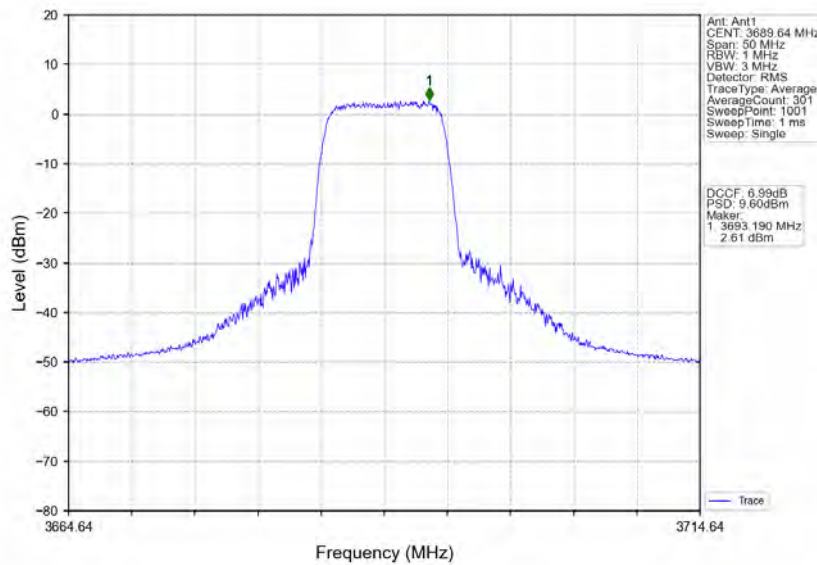
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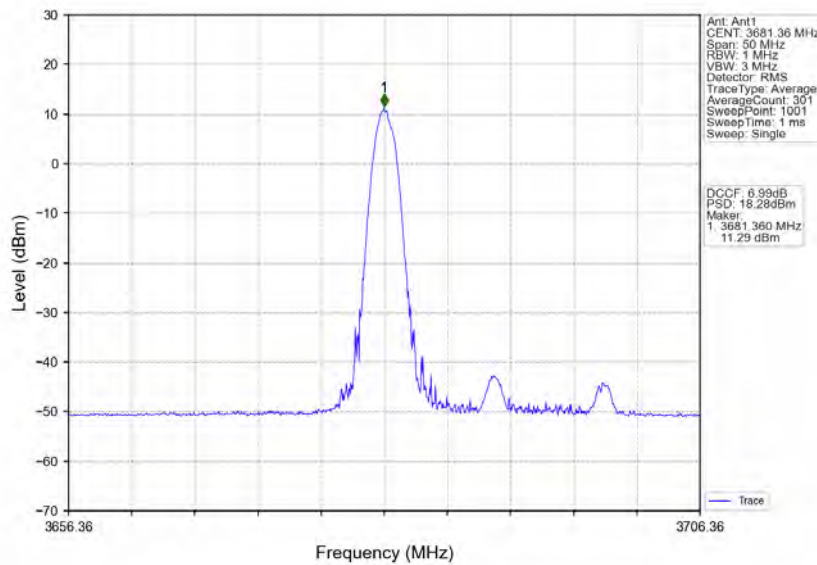
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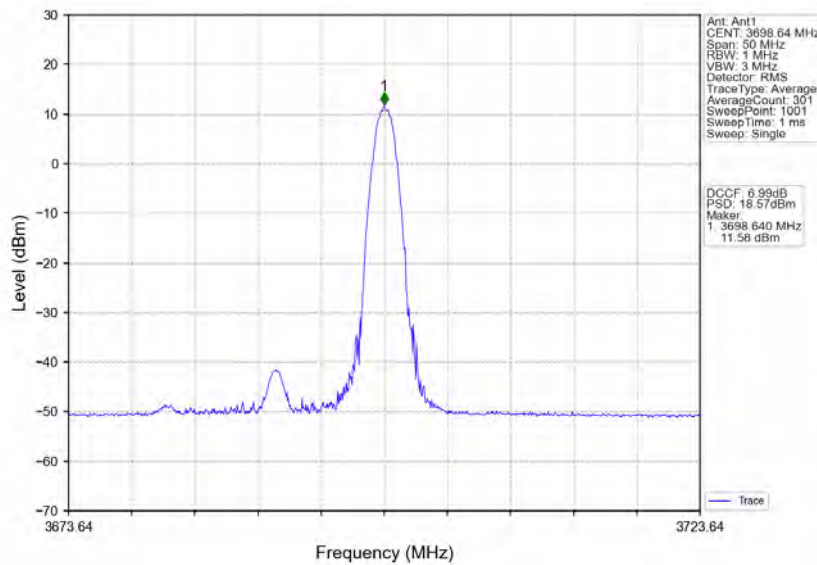
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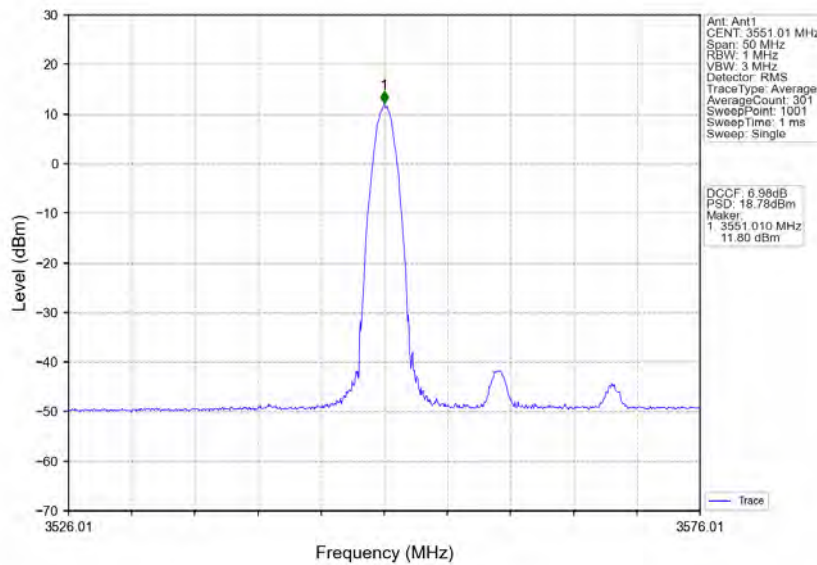
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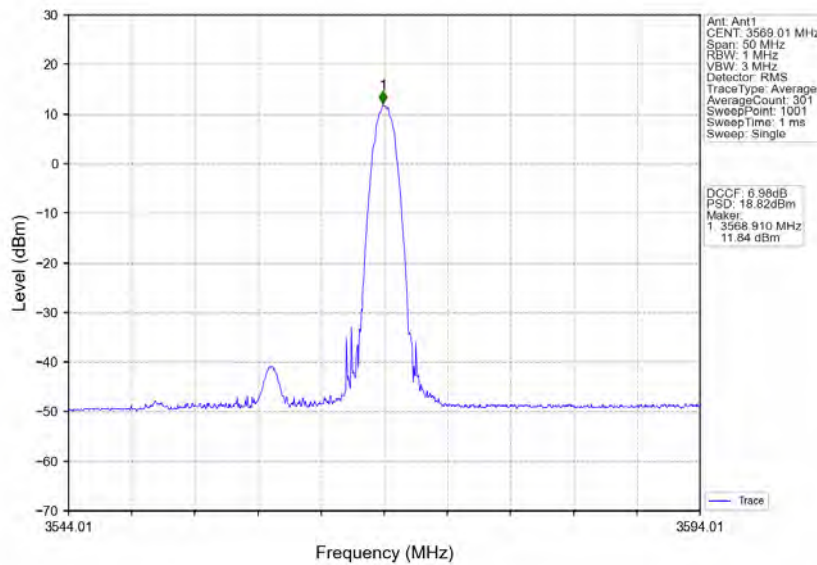
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n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM 64 QAM_3560.01MHz_Edge_1RB_Left



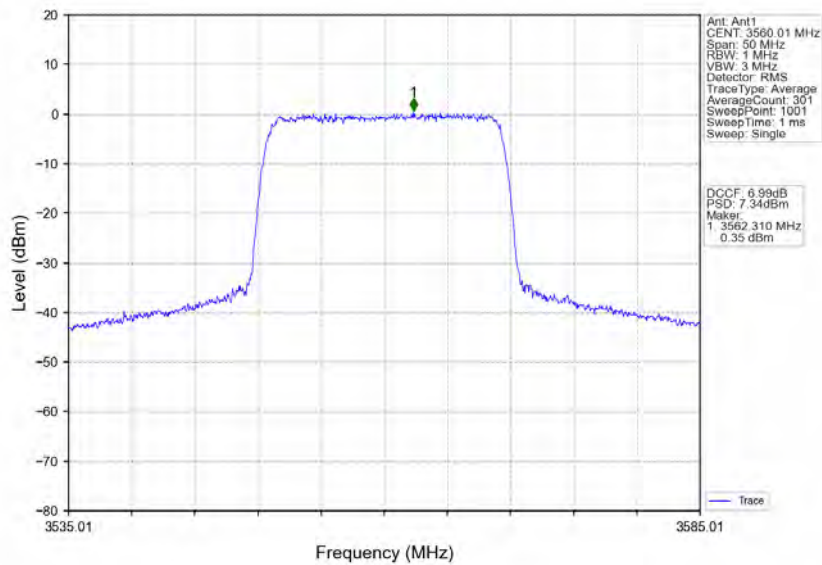
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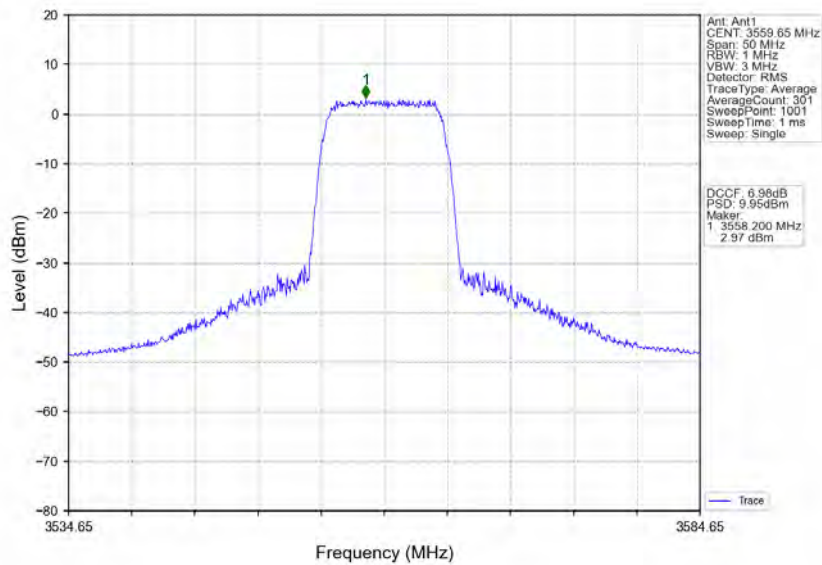
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n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM 64 QAM_3560.01MHz_Outer_Full



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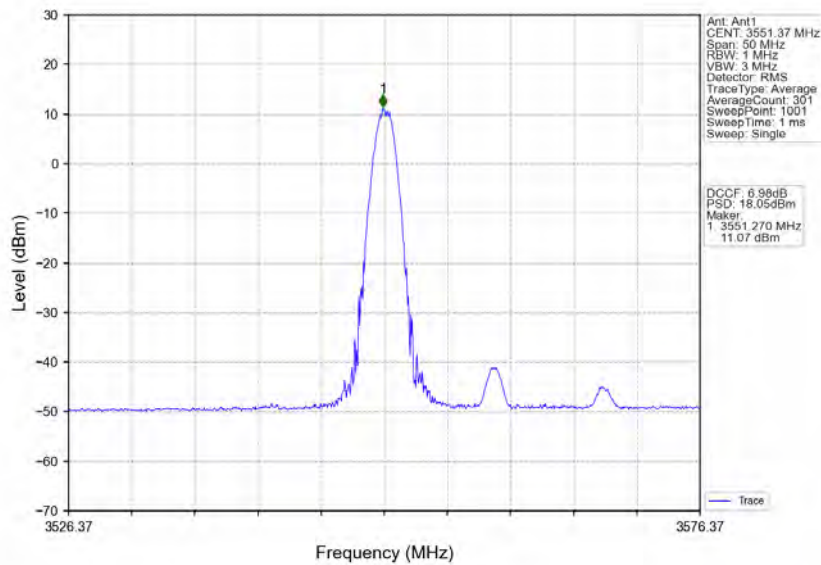
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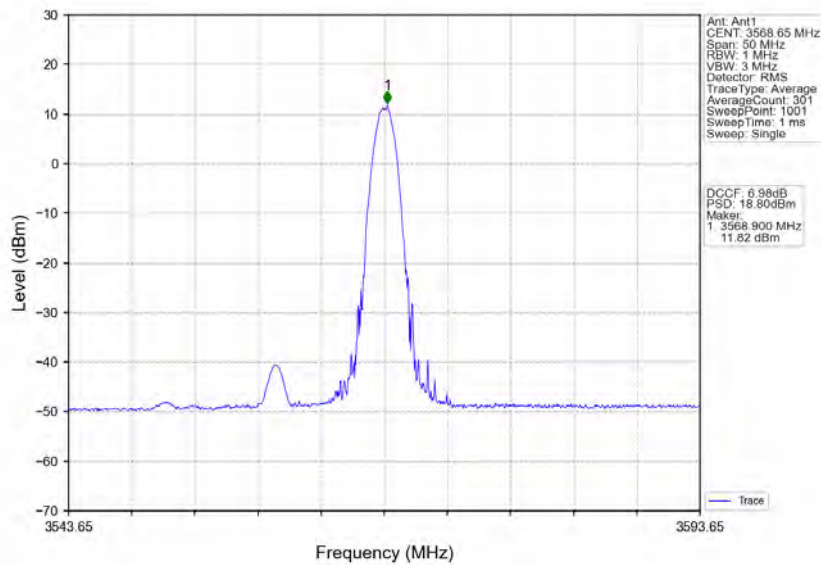
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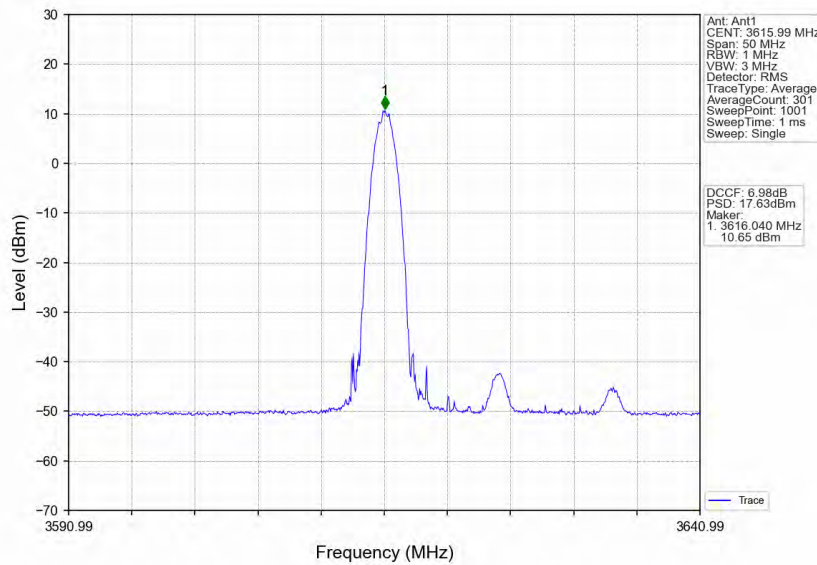
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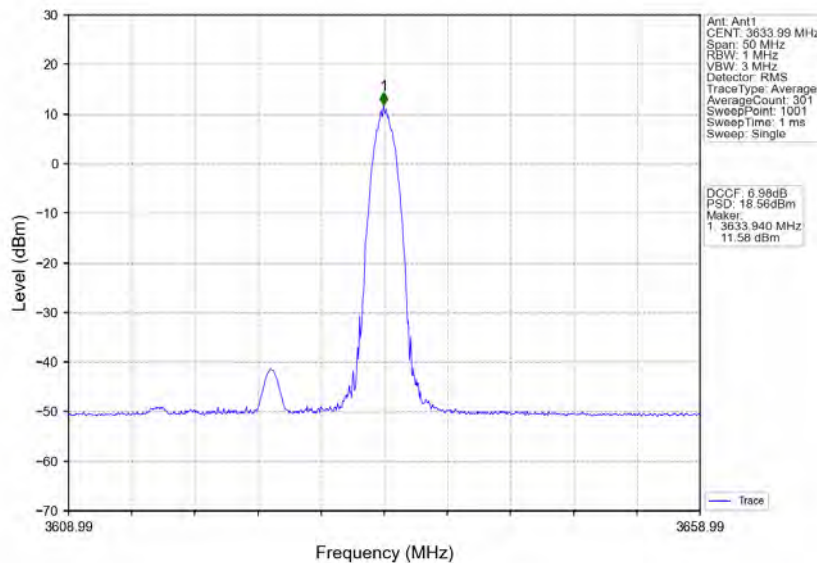
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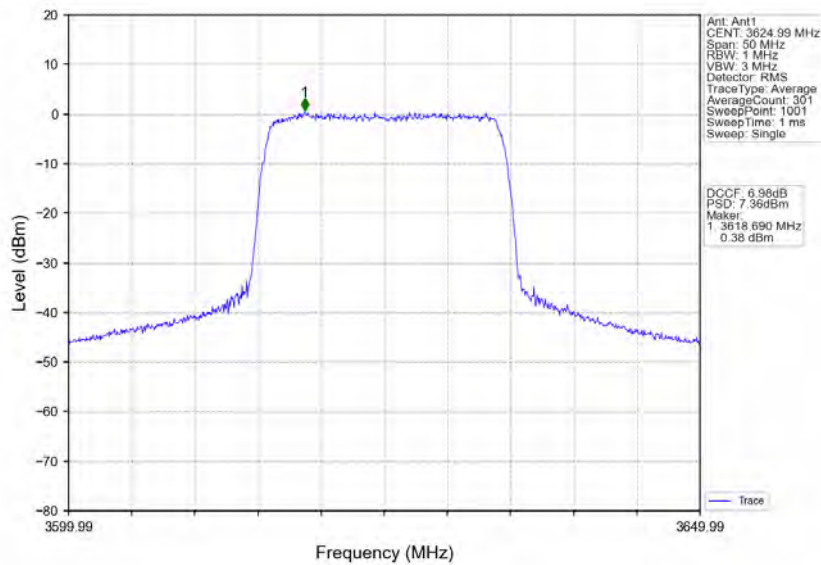
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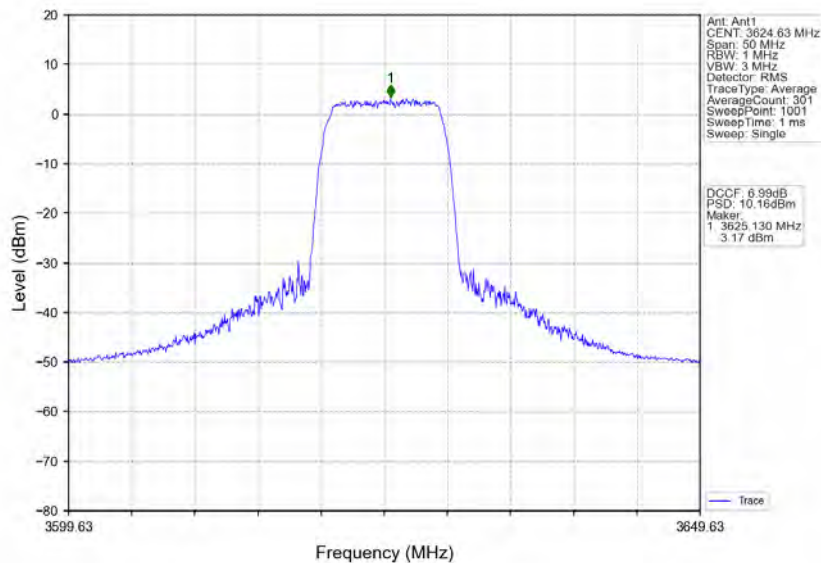
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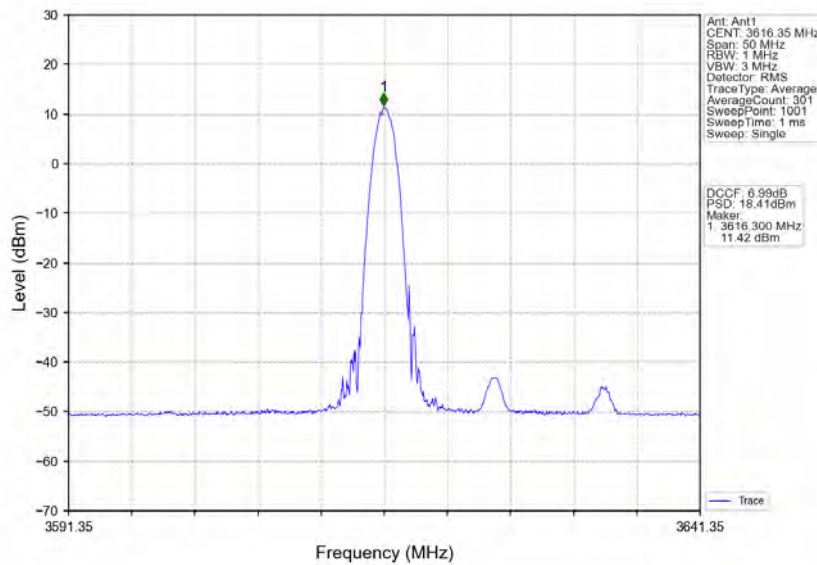
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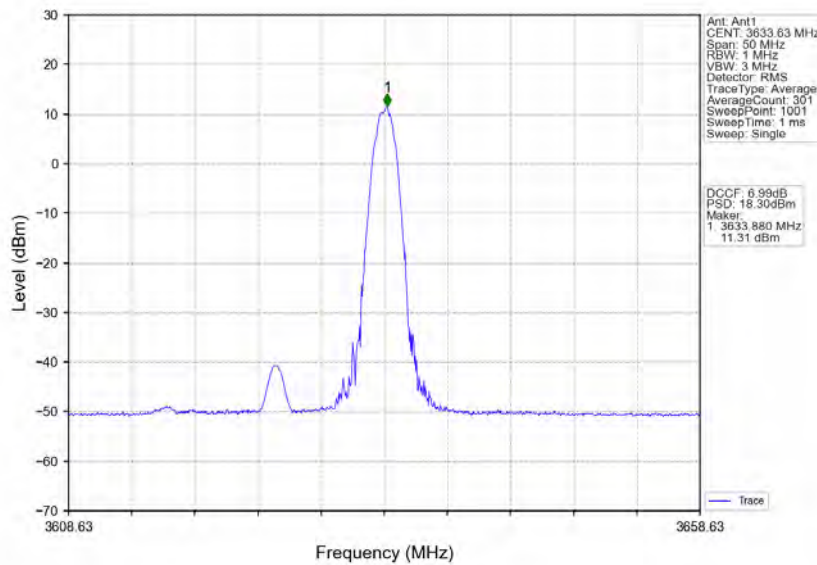
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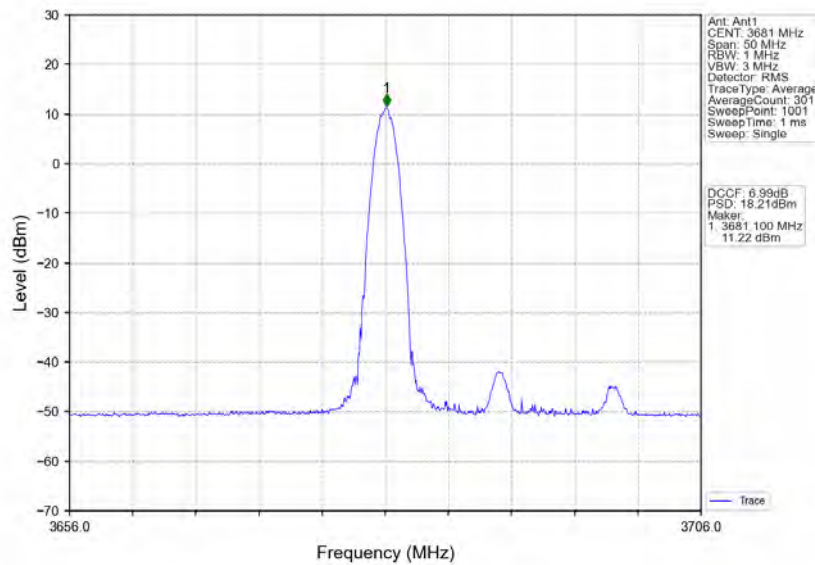
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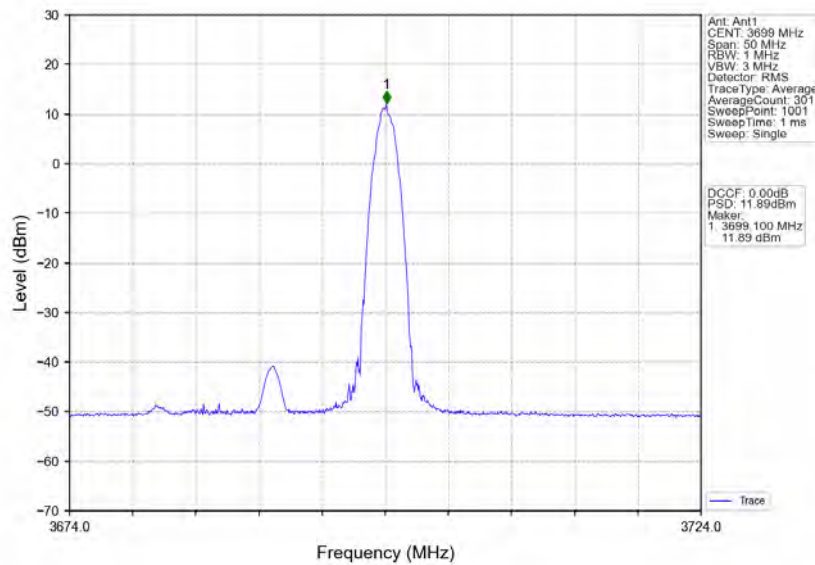
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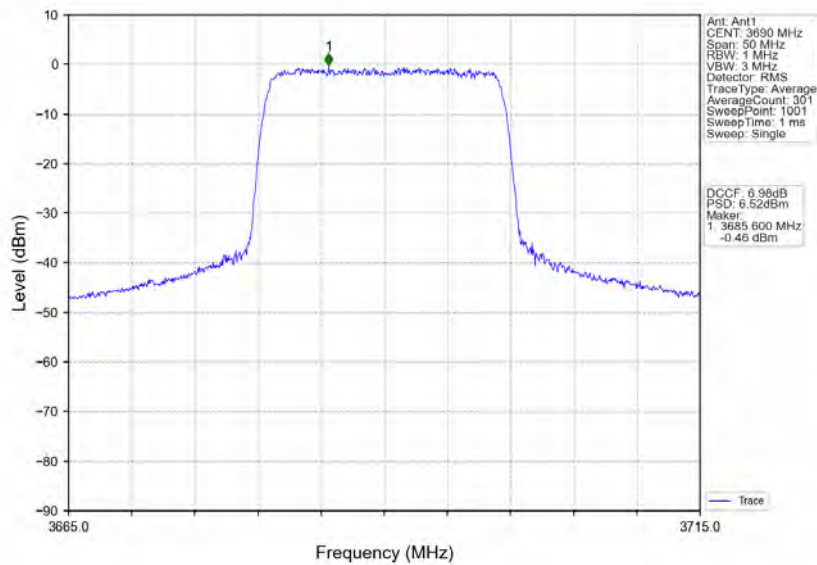
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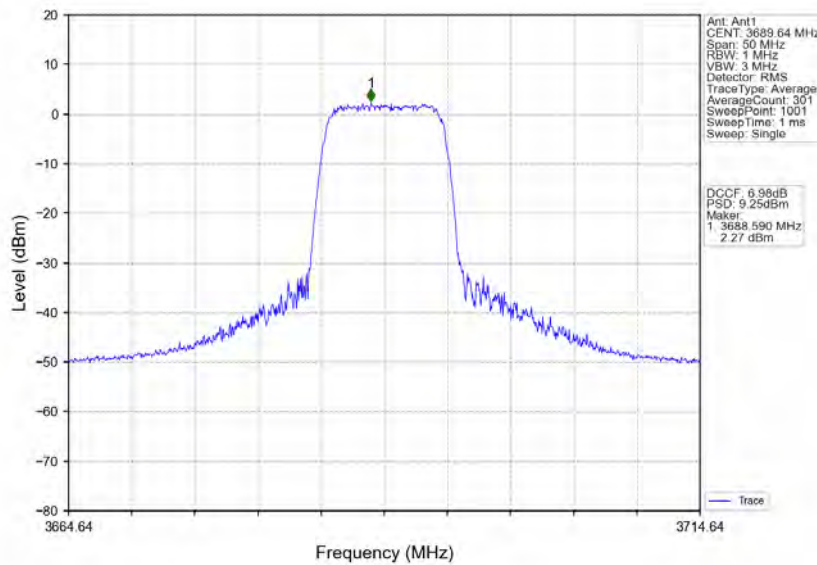
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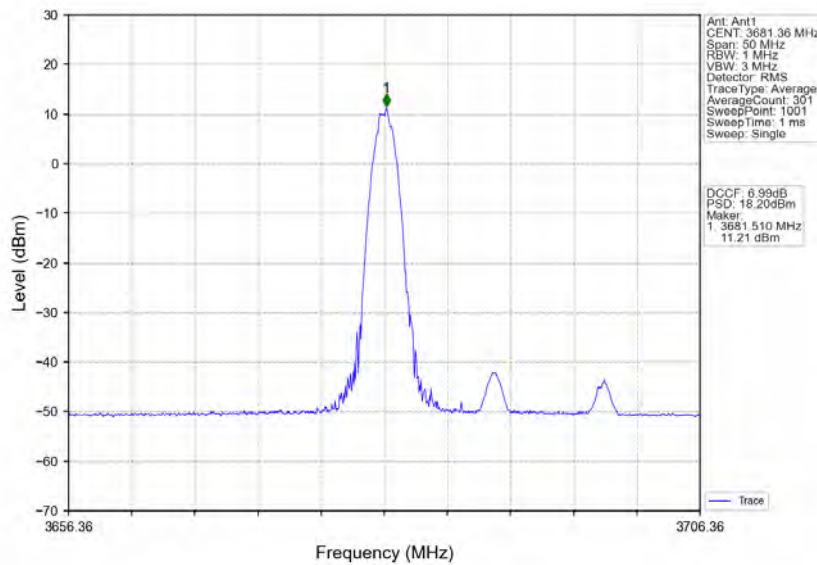
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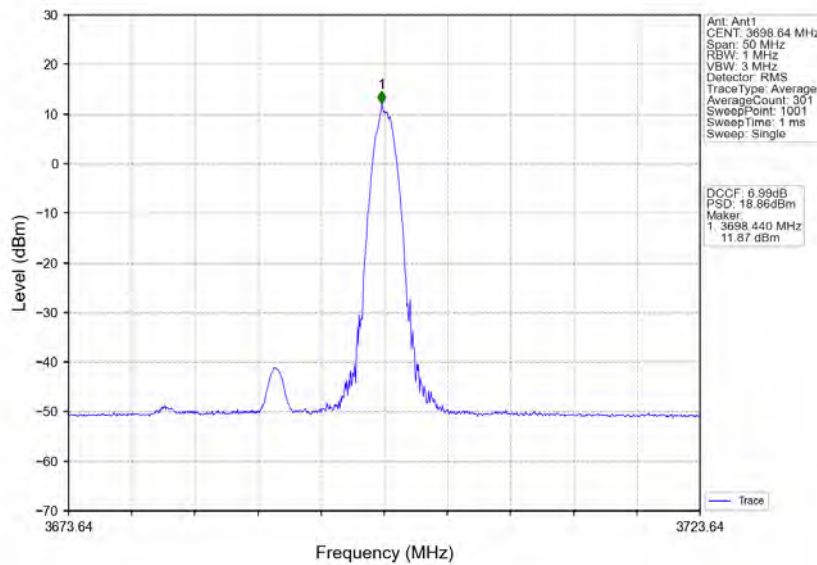
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n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM 64 QAM_3690MHz_Inner_1RB_Left



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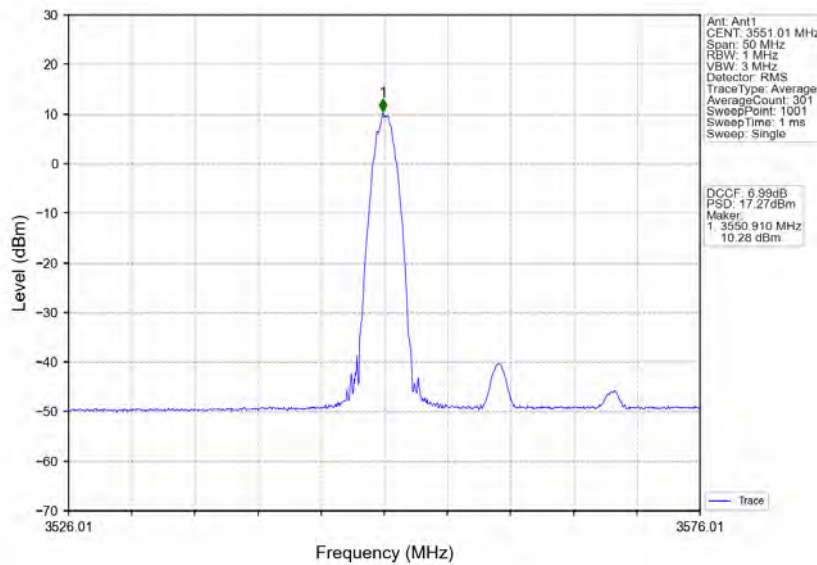
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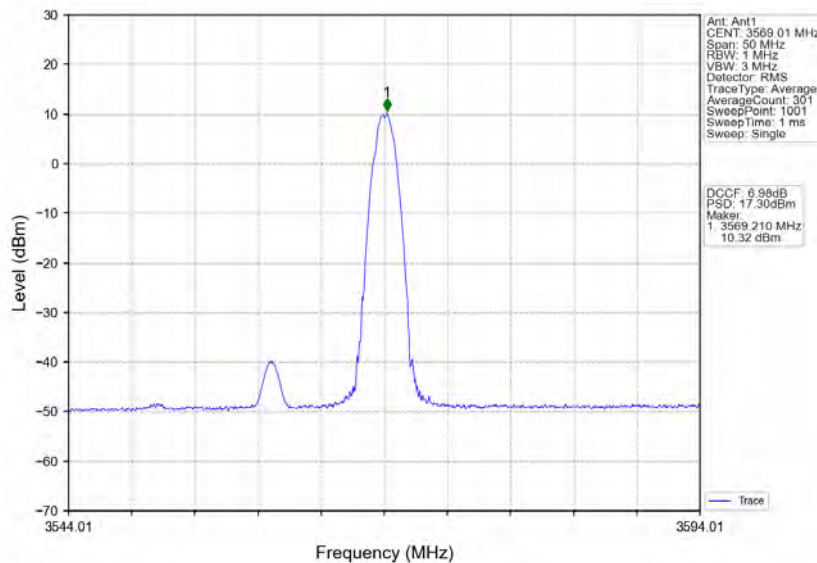
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n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM 256 QAM_3560.01MHz_Edge_1RB_Left



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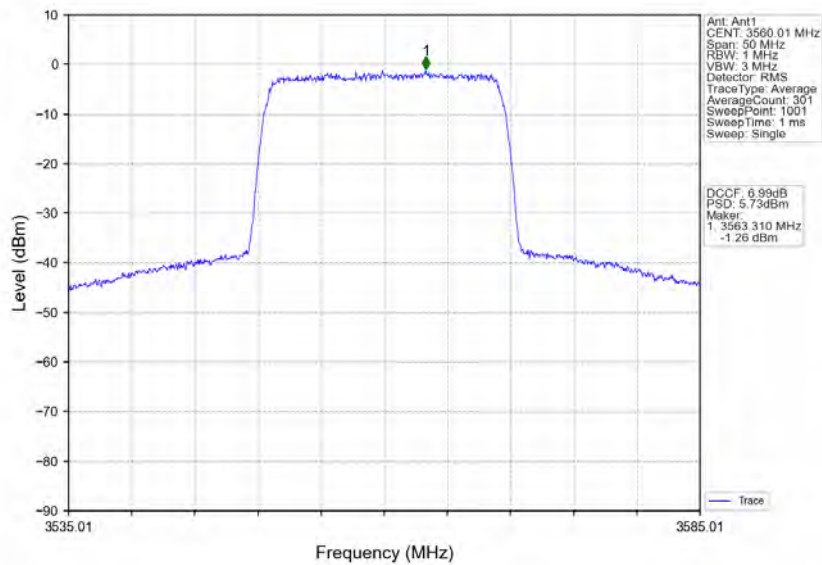
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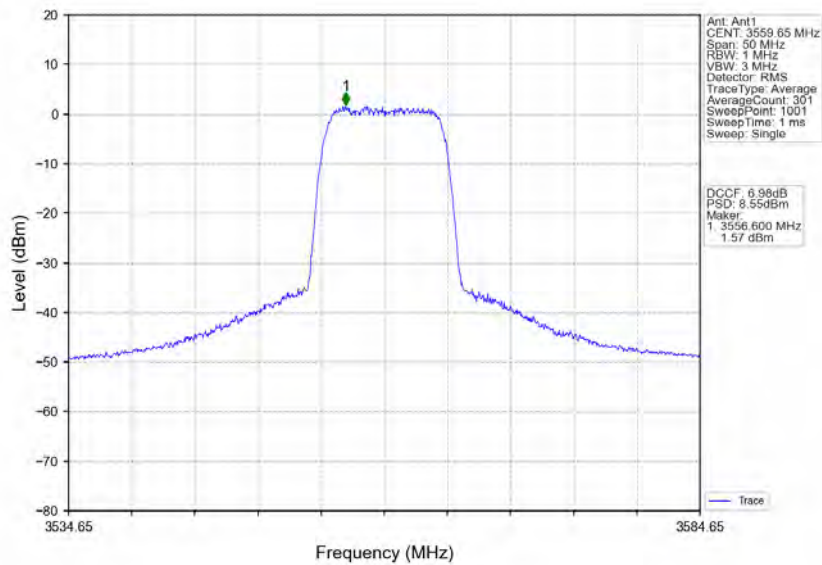
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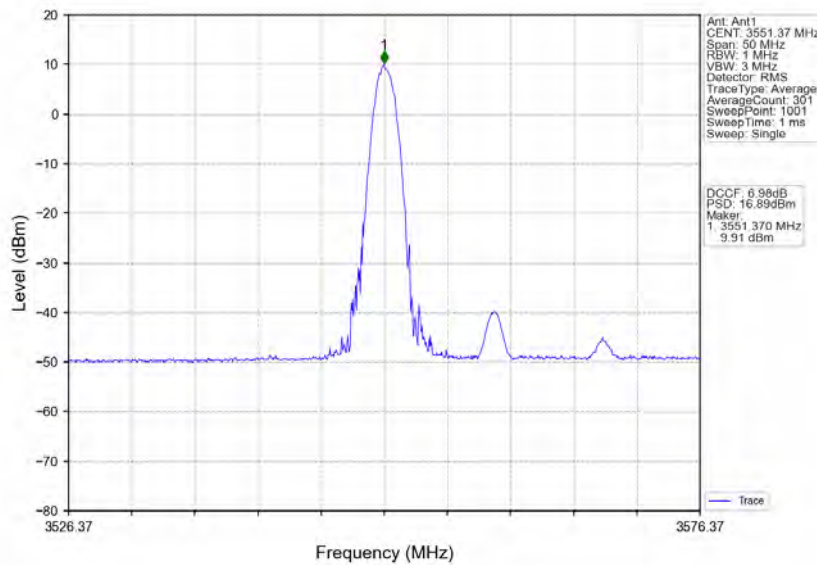
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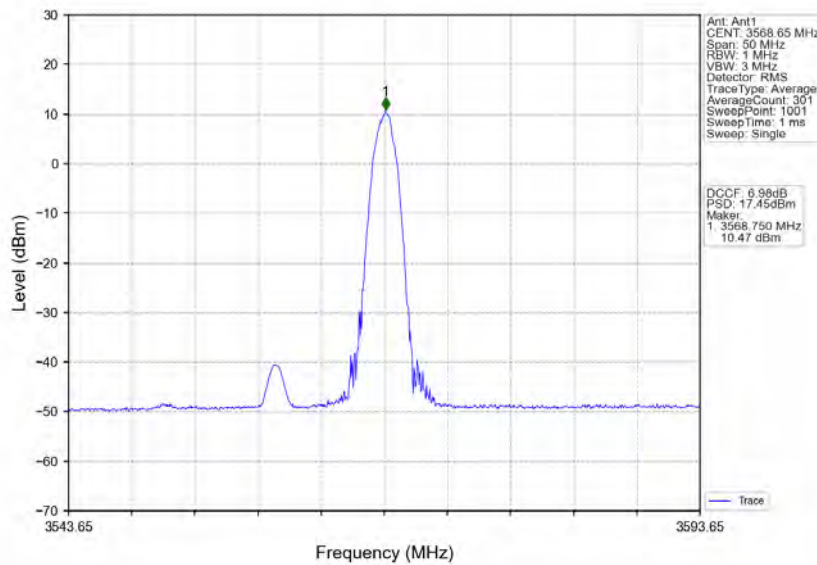
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n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM 256 QAM_3560.01MHz_Inner_1RB_Left



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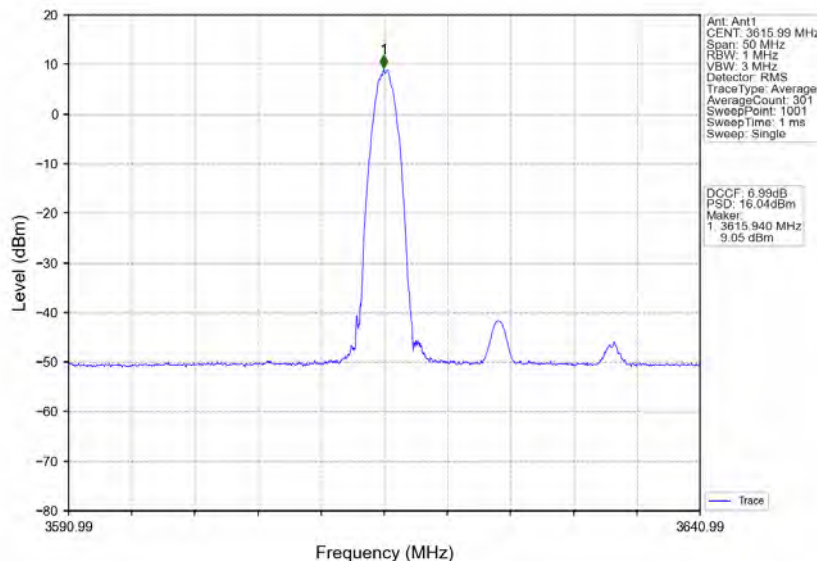
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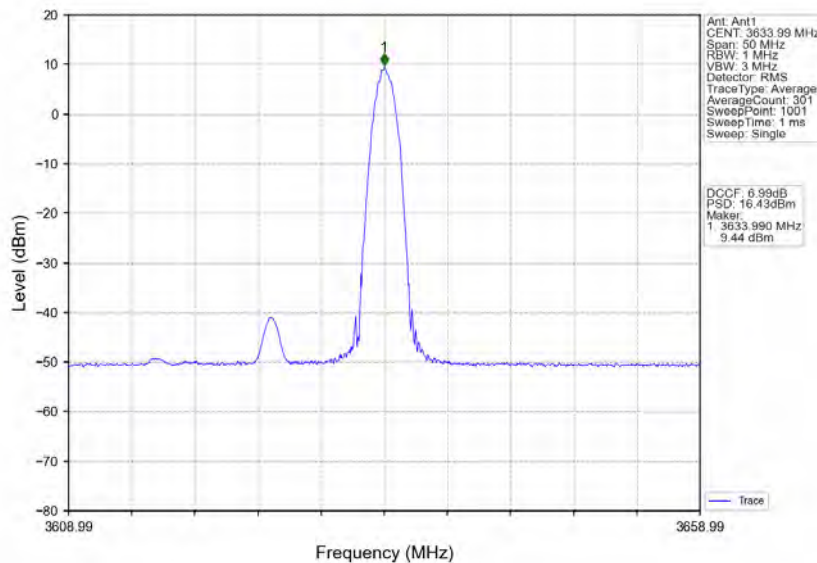
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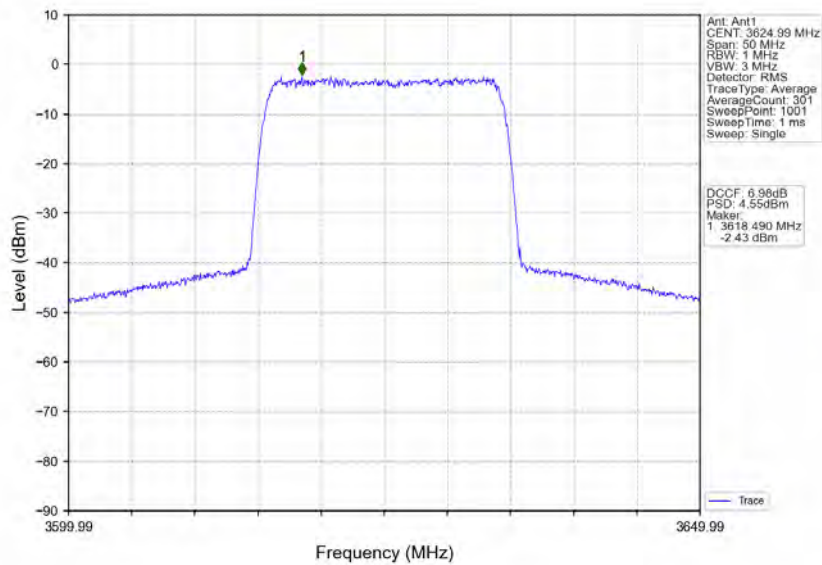
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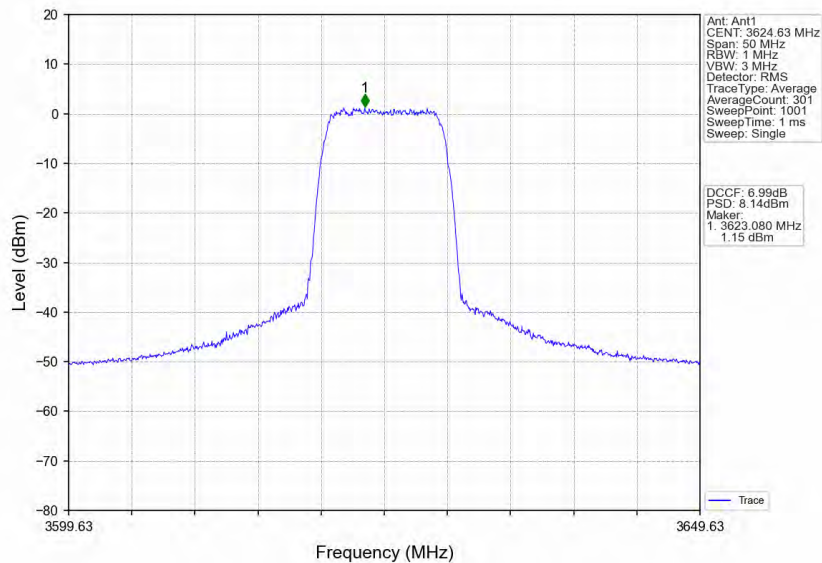
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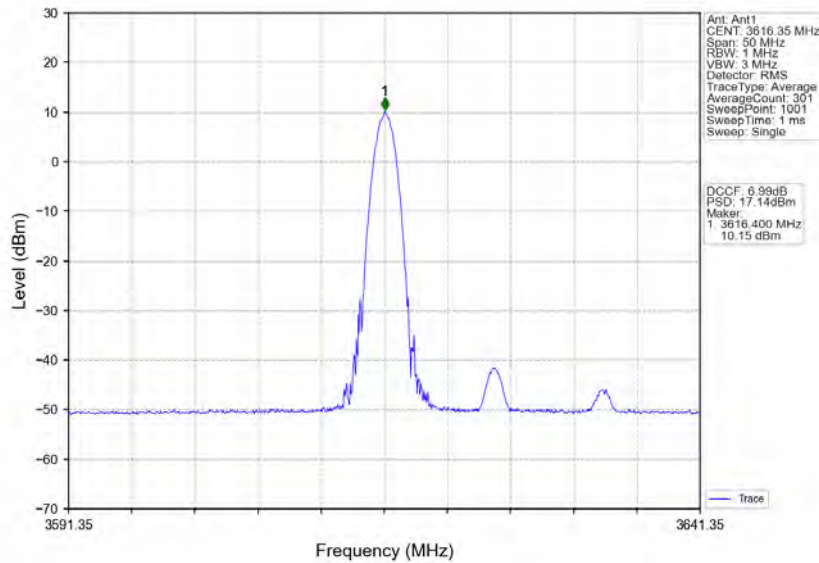
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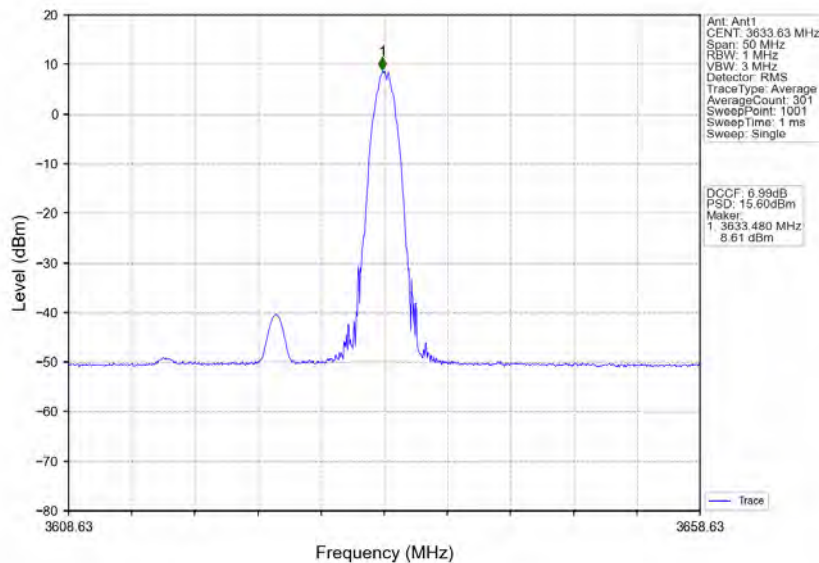
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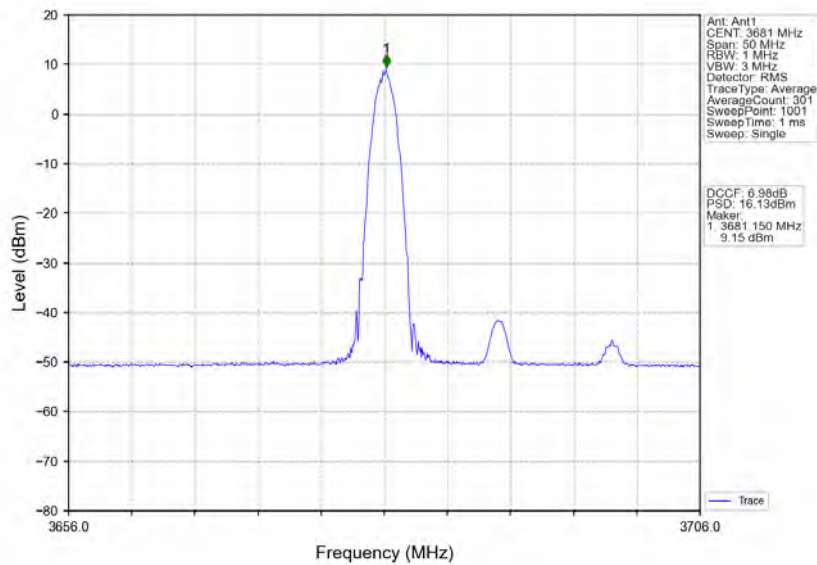
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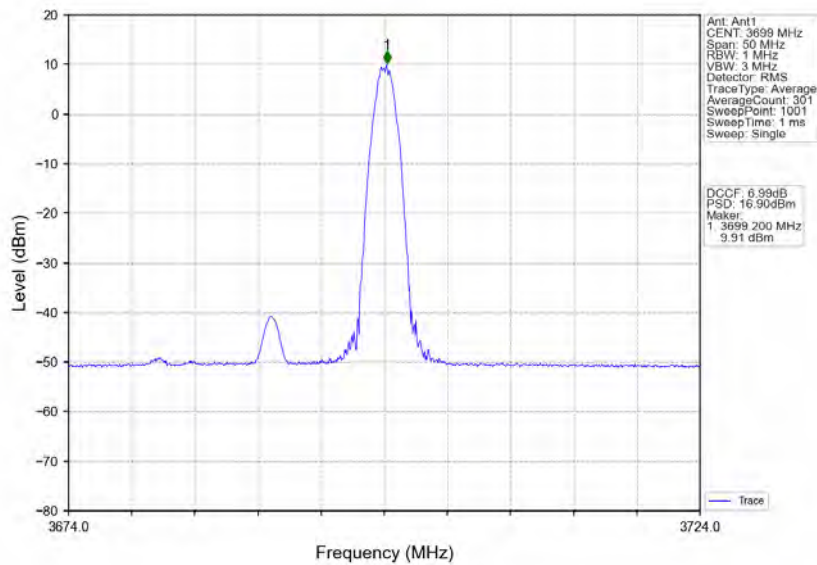
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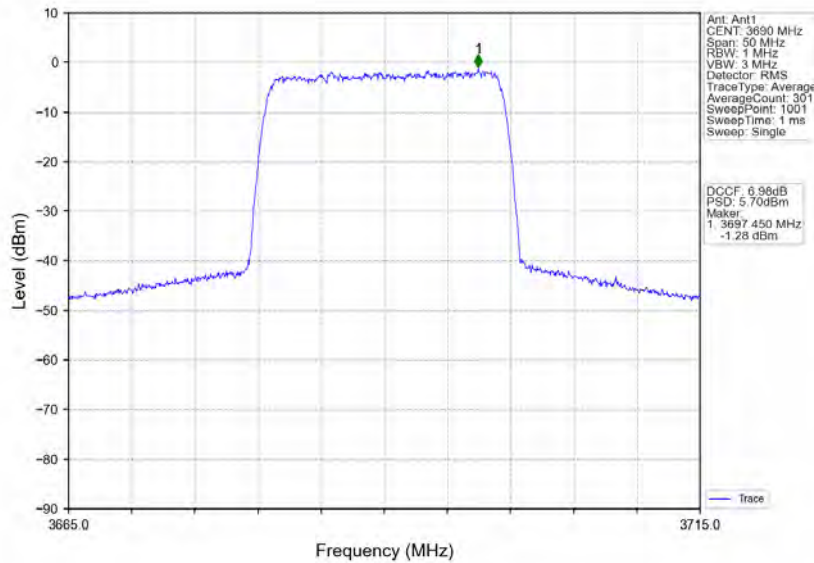
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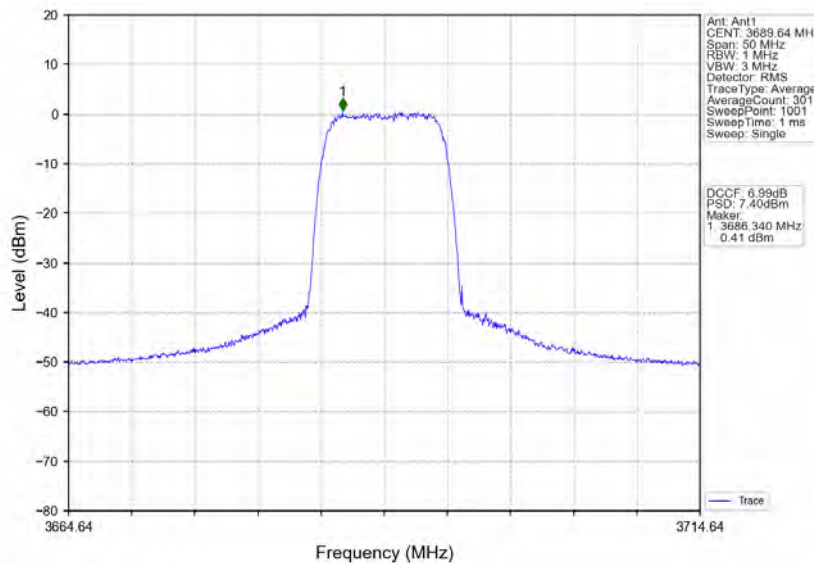
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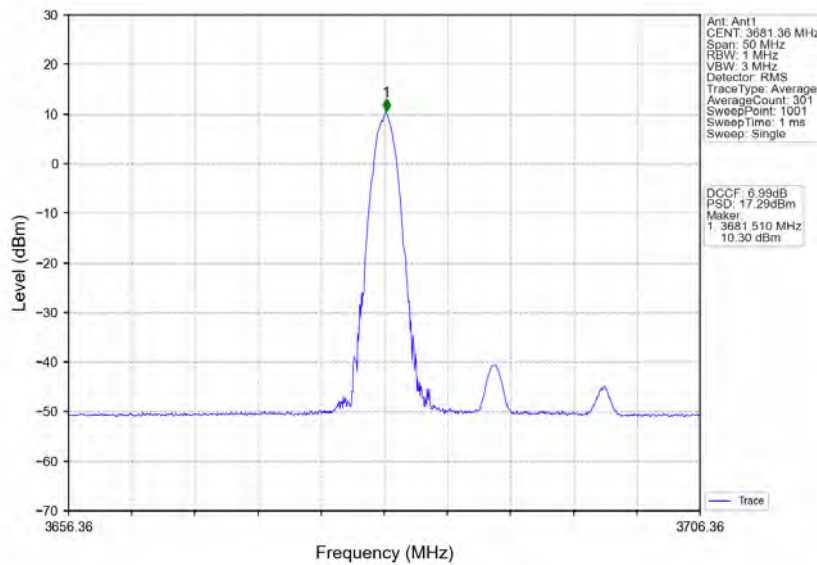
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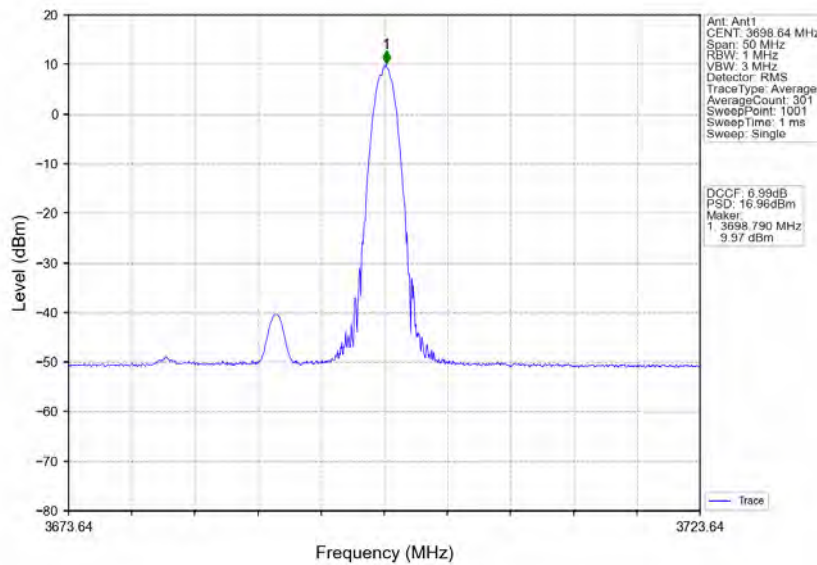
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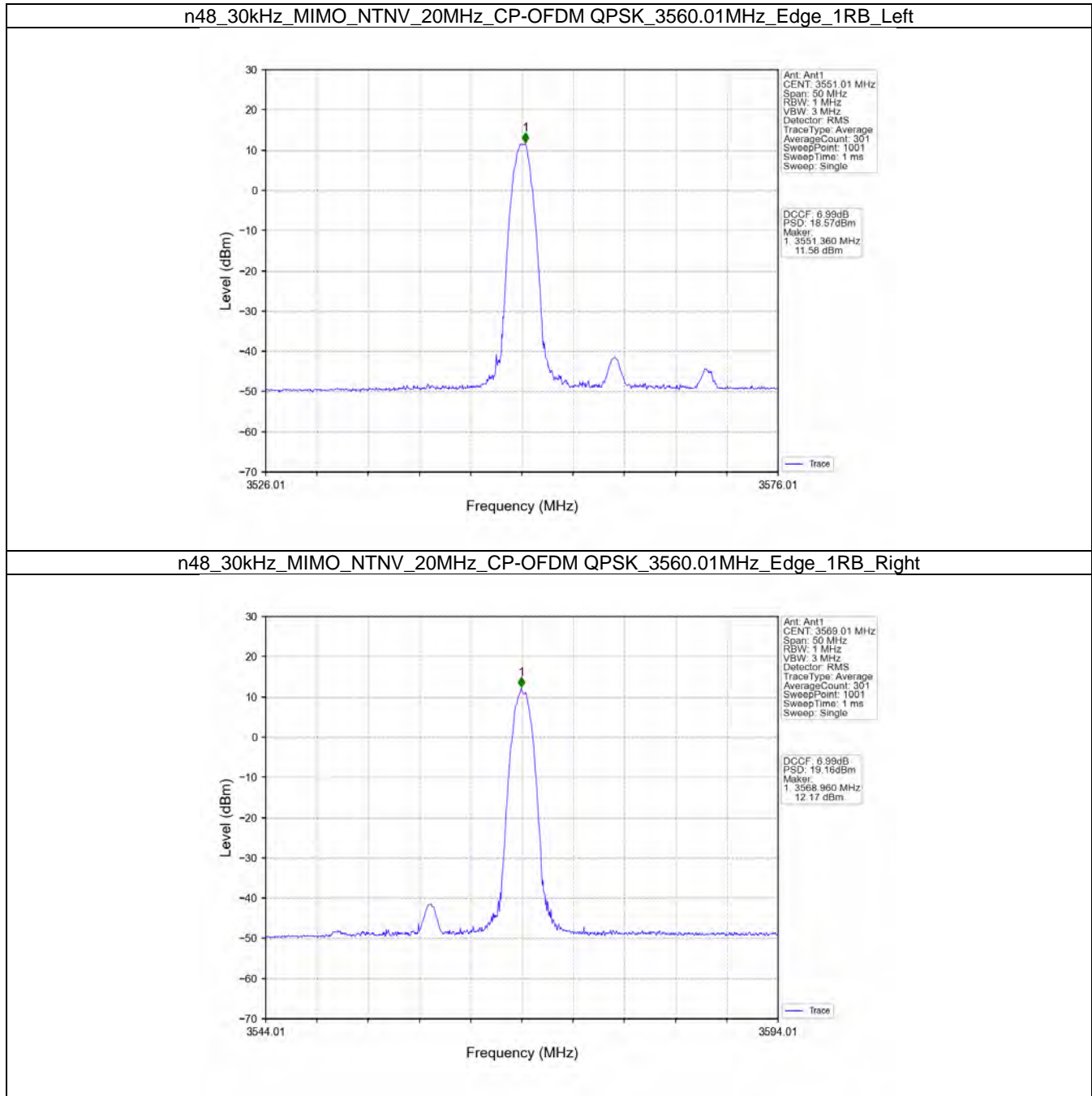
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2.6.3 Test Graph for ANT2



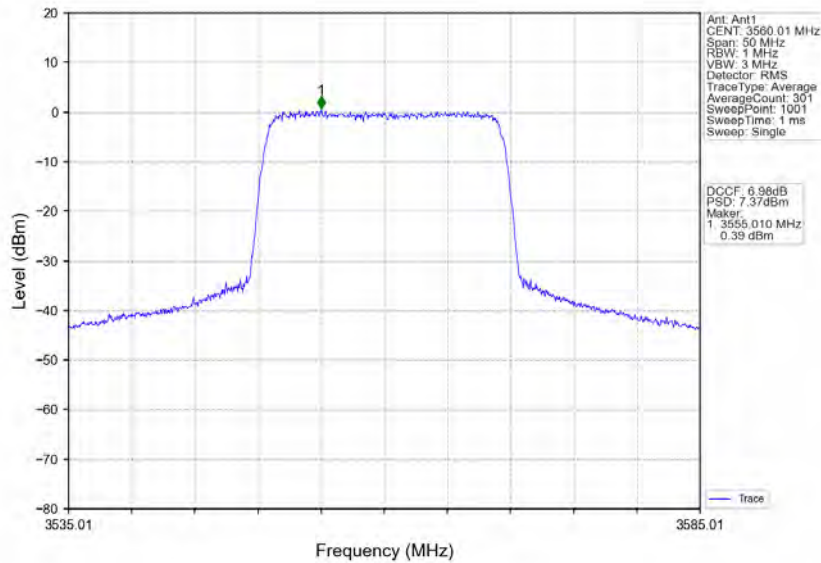
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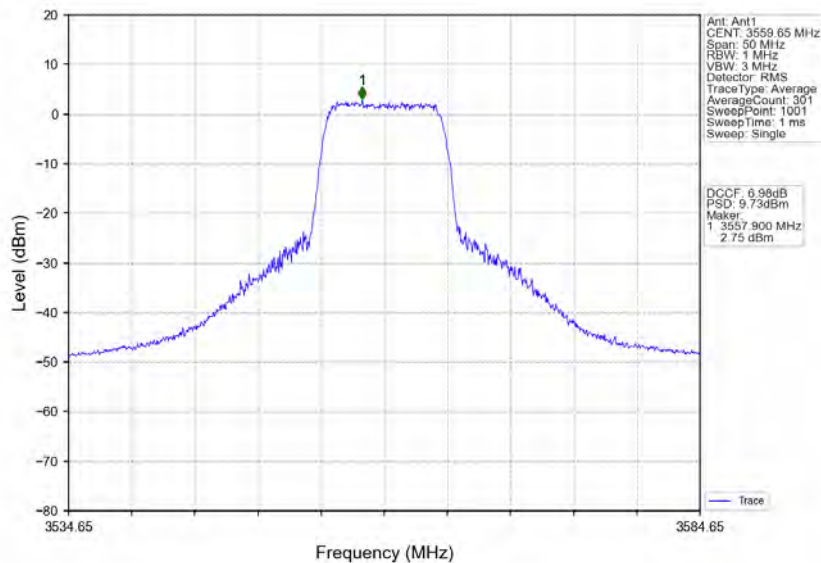
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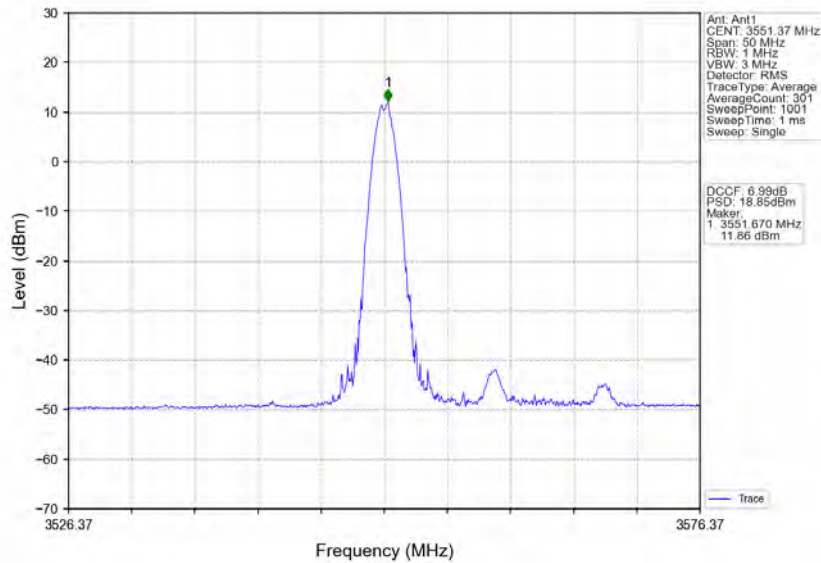
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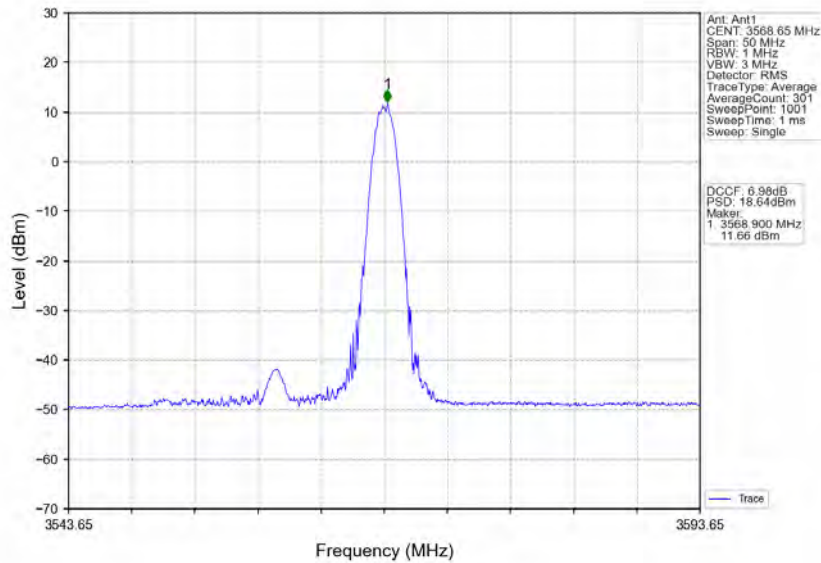
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n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3560.01MHz_Inner_1RB_Left



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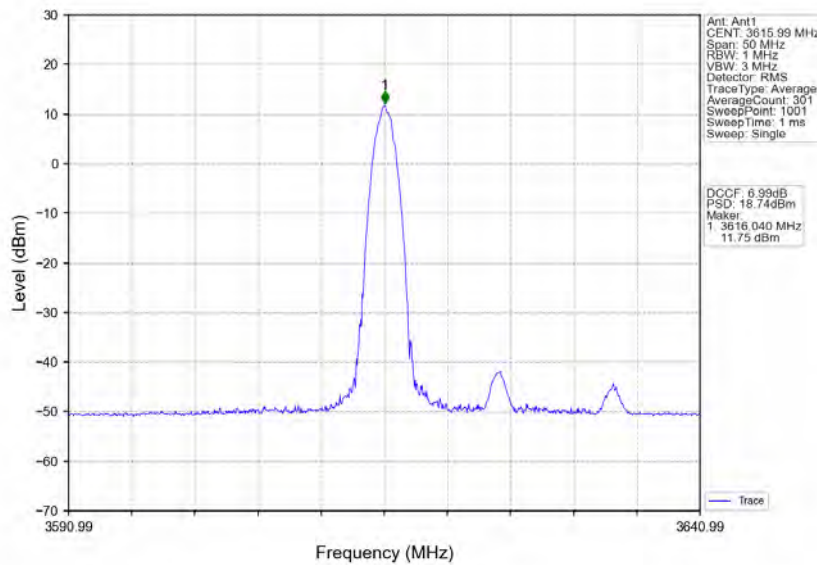
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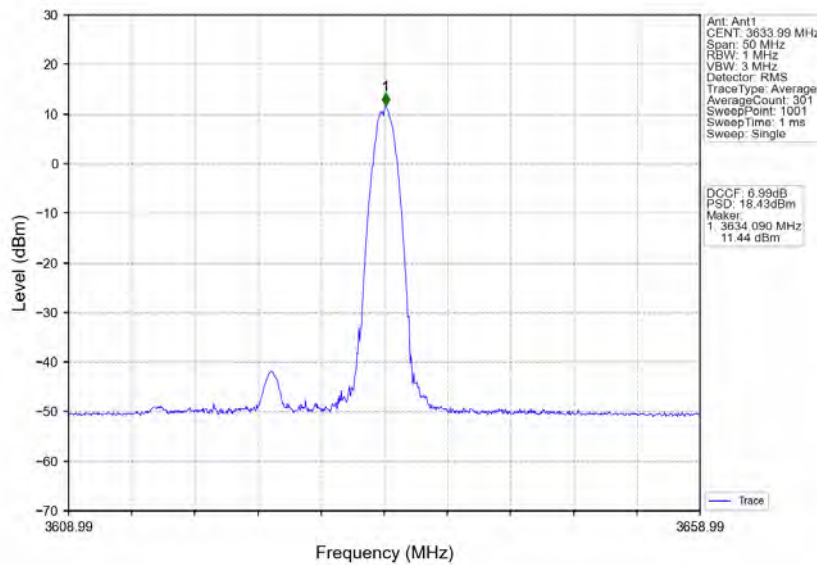
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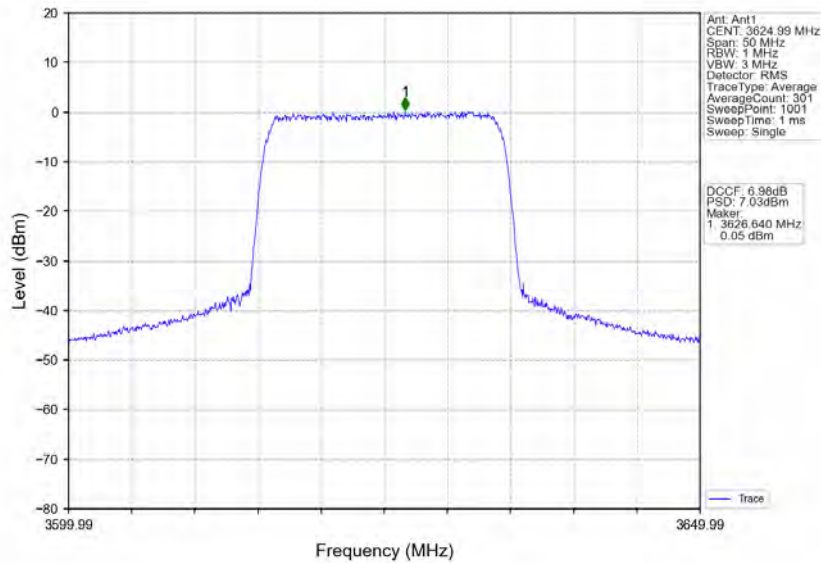
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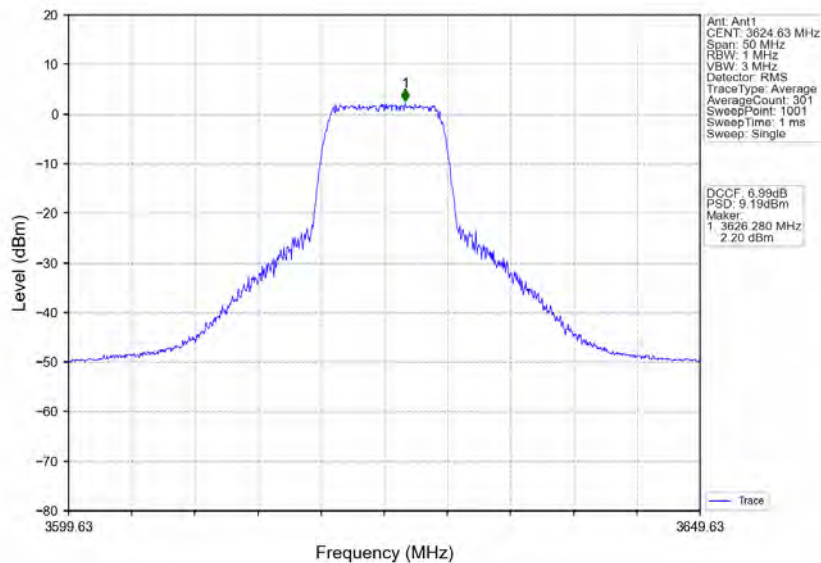
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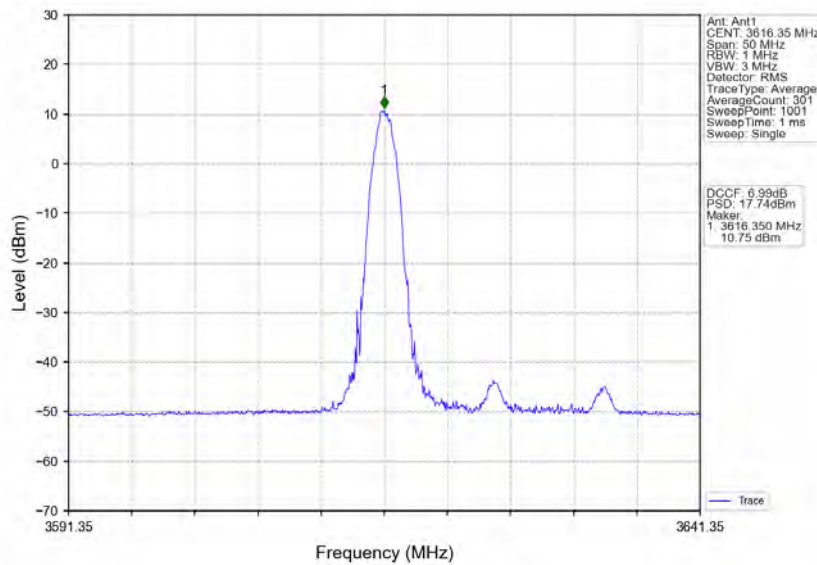
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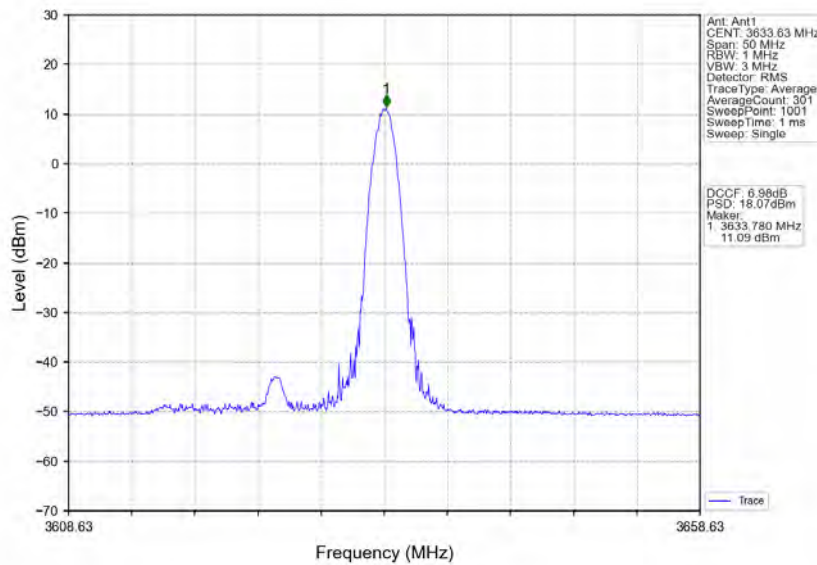
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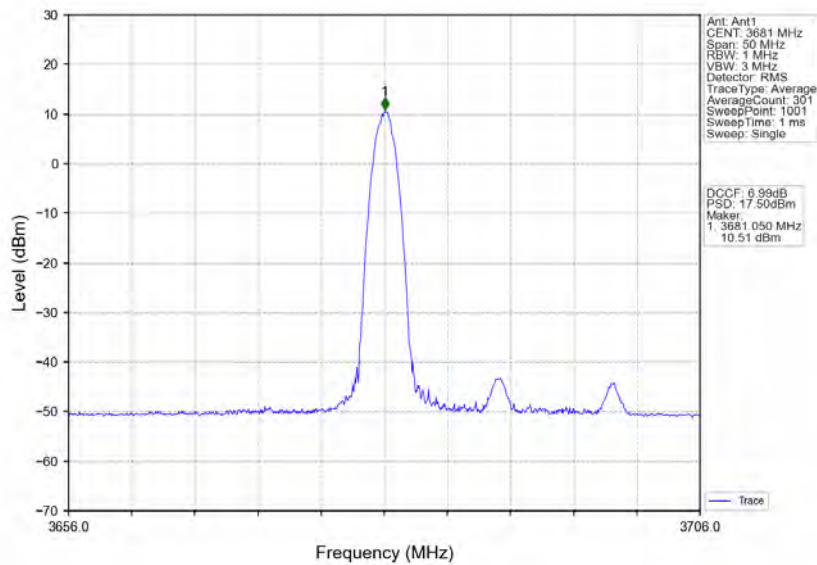
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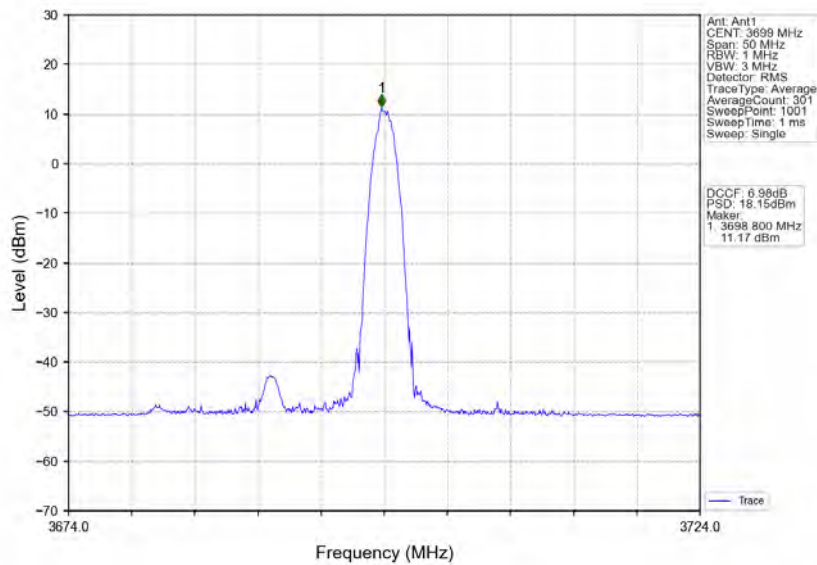
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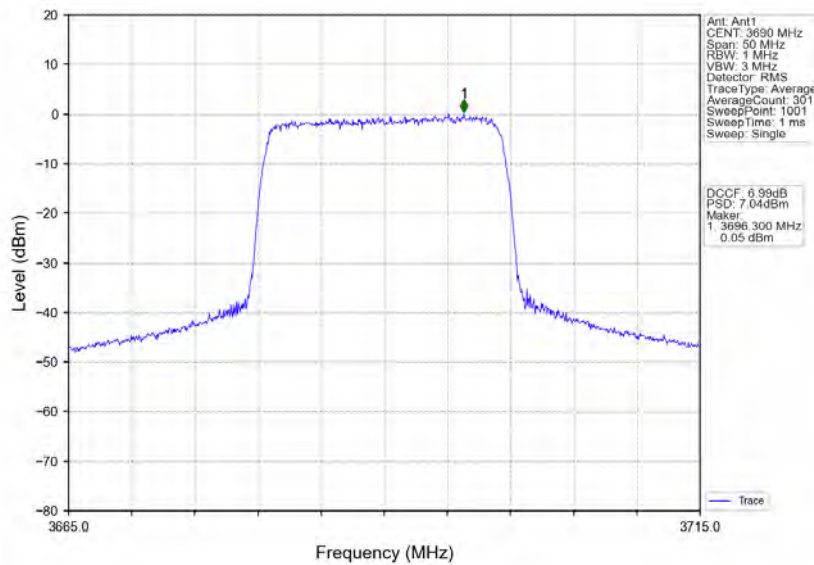
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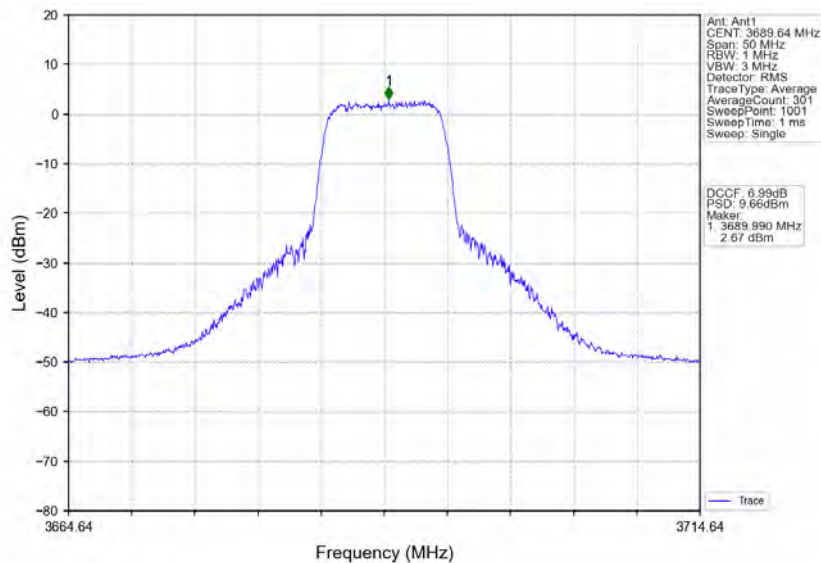
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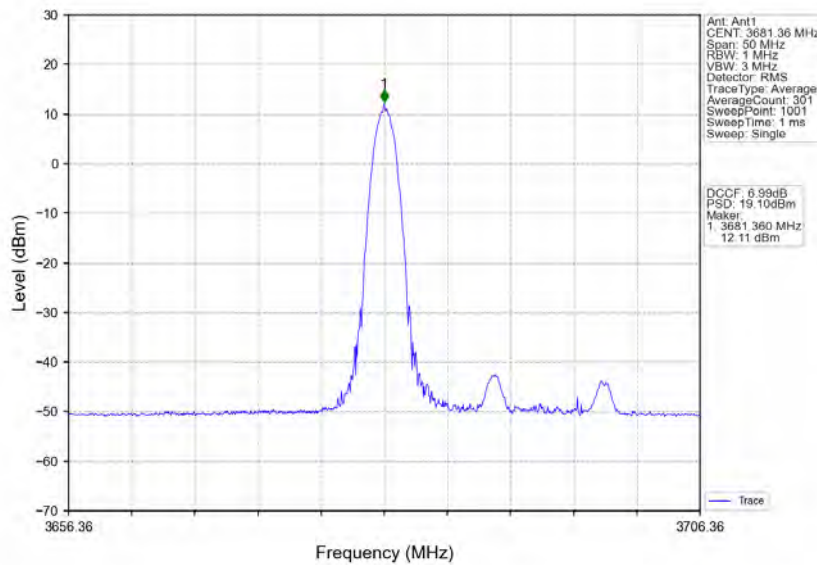
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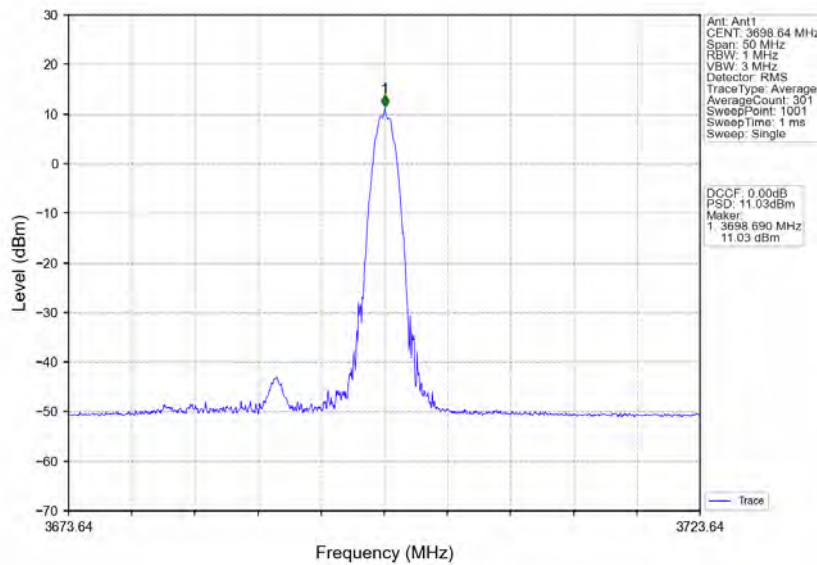
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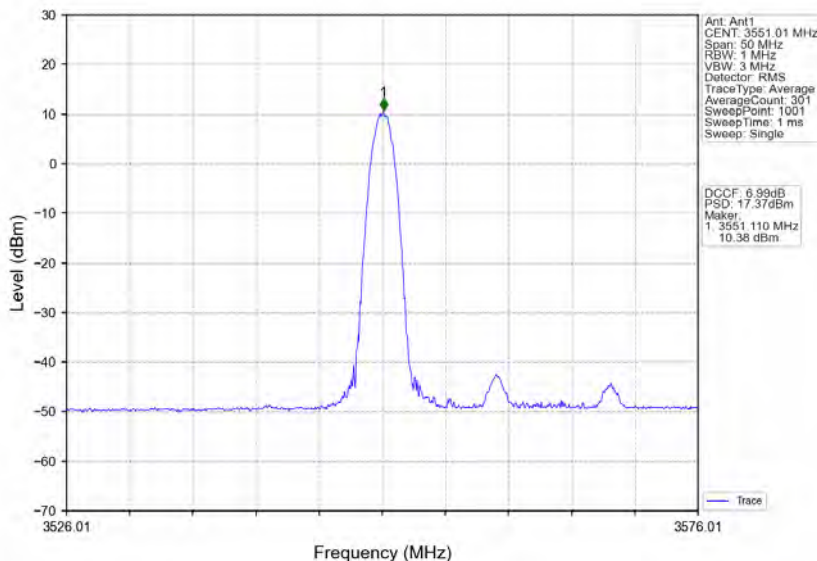
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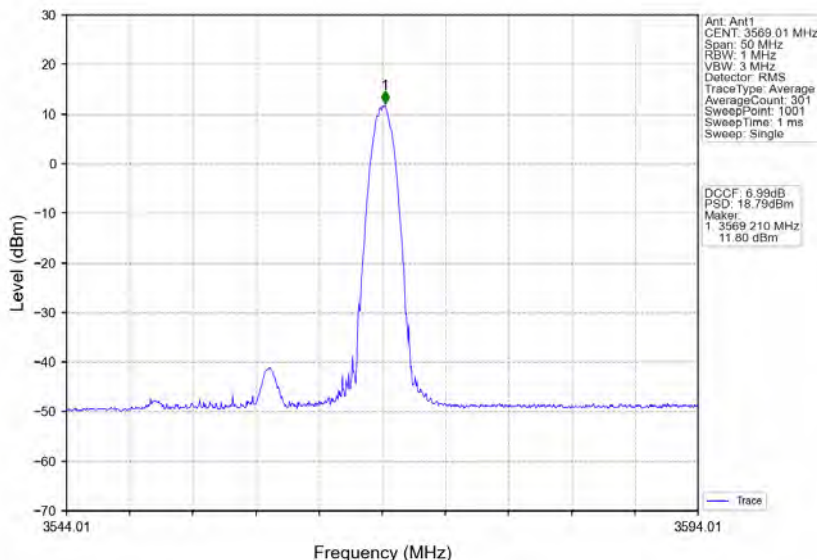
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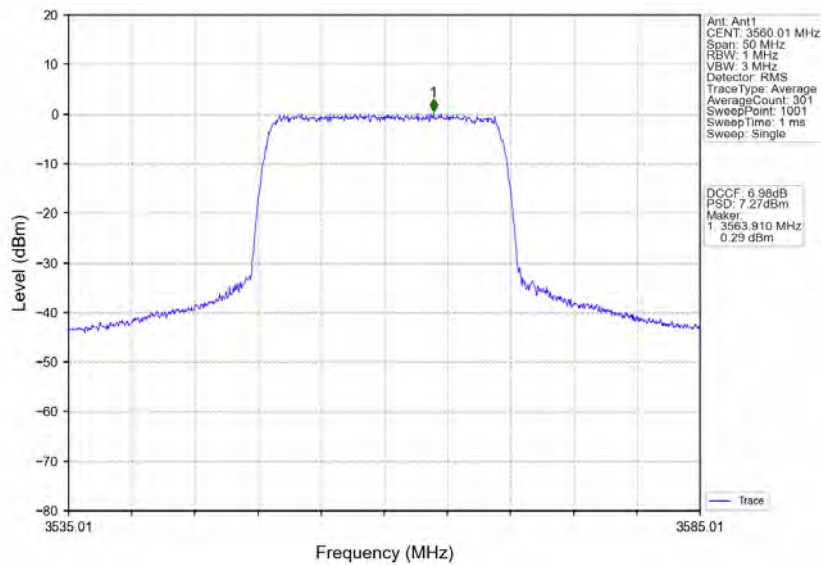
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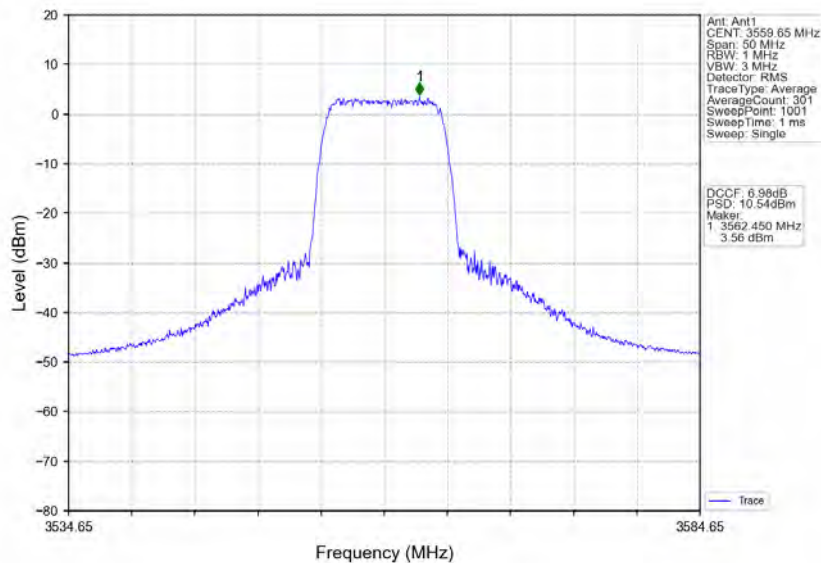
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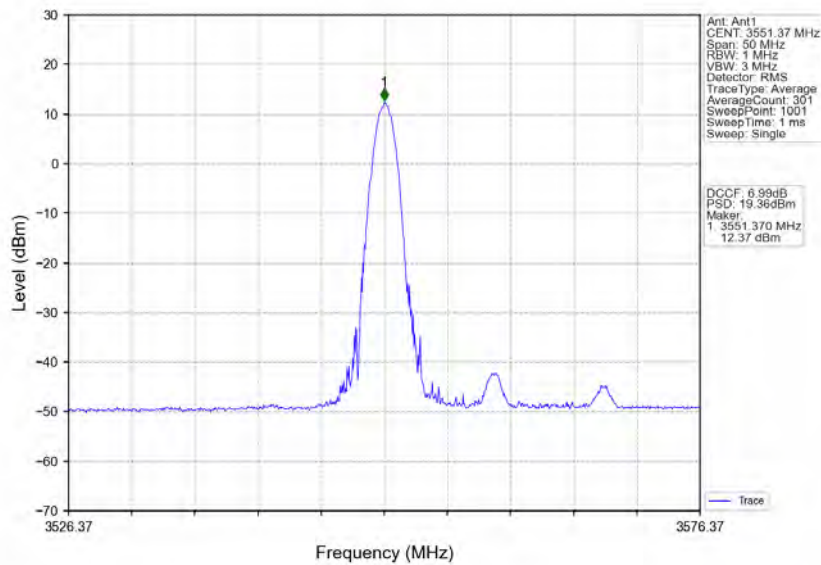
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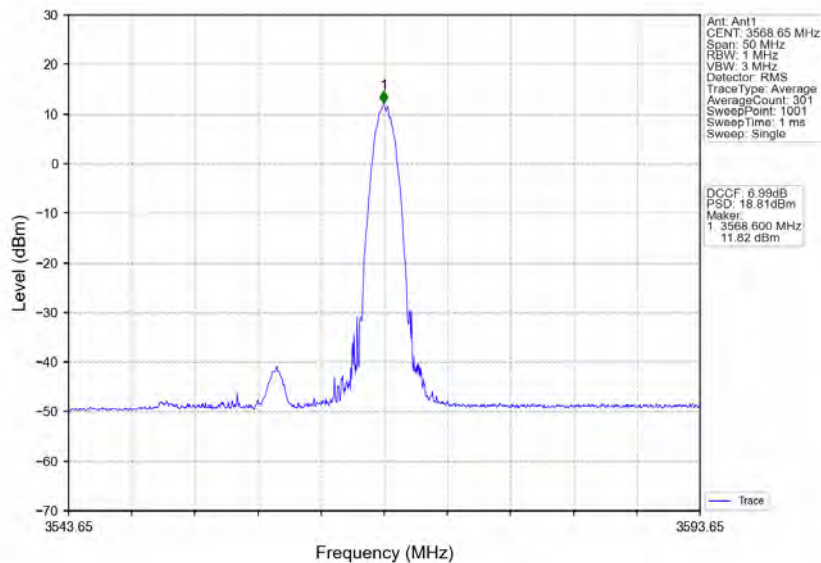
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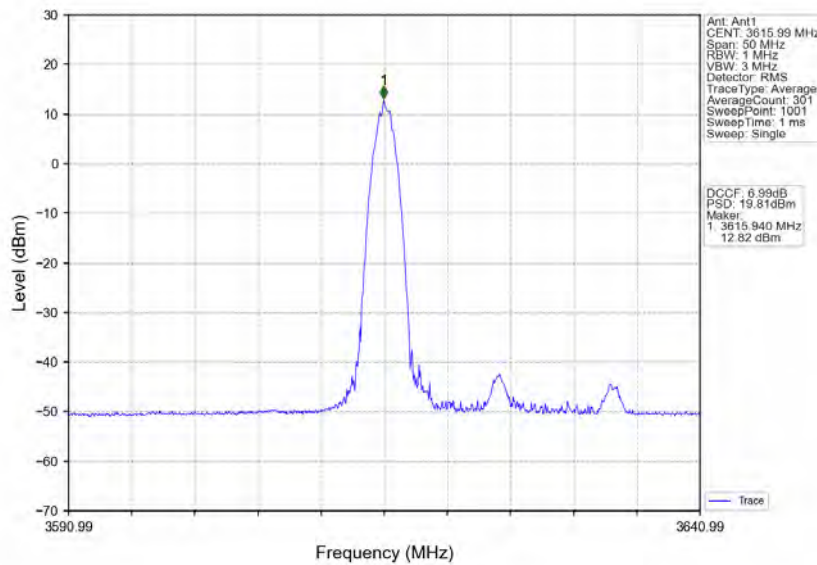
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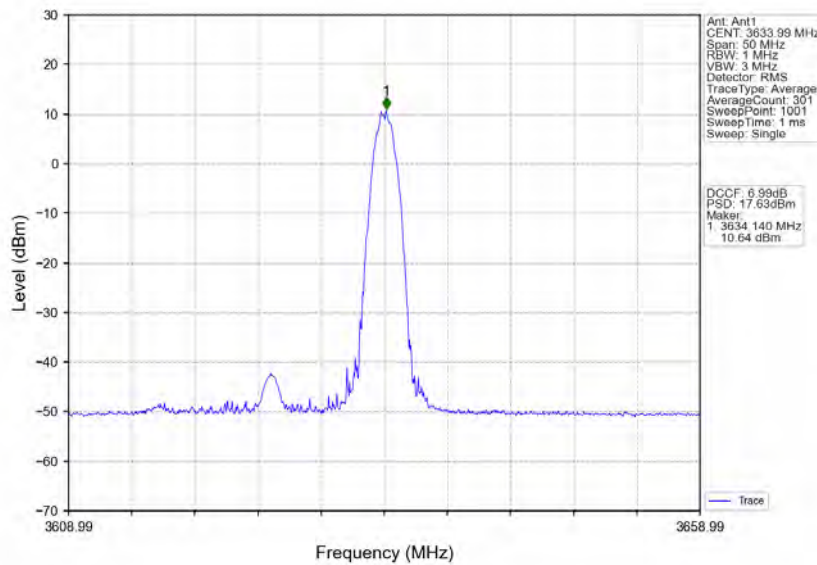
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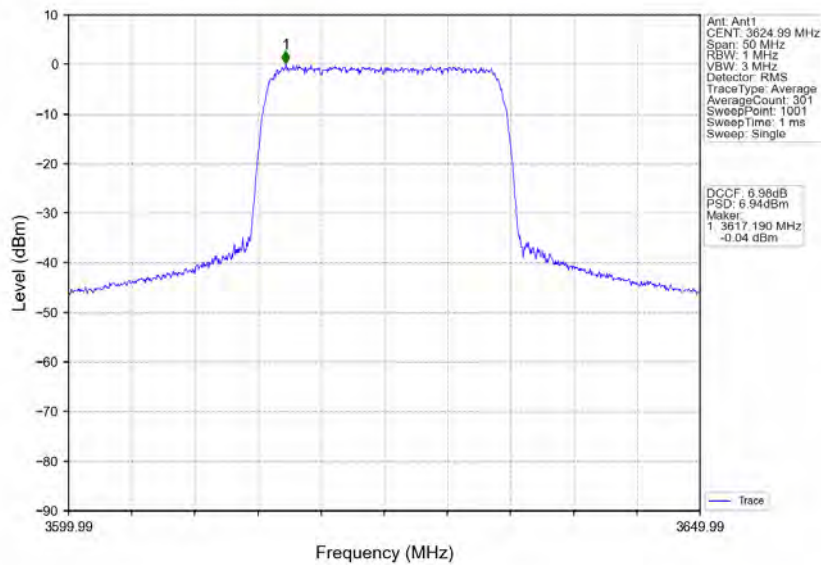
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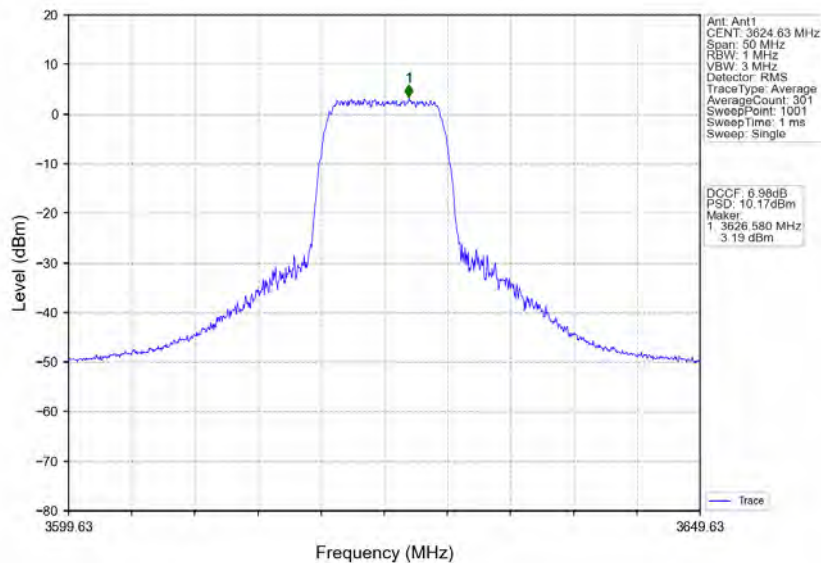
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n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM 16 QAM_3624.99MHz_Inner_Full



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