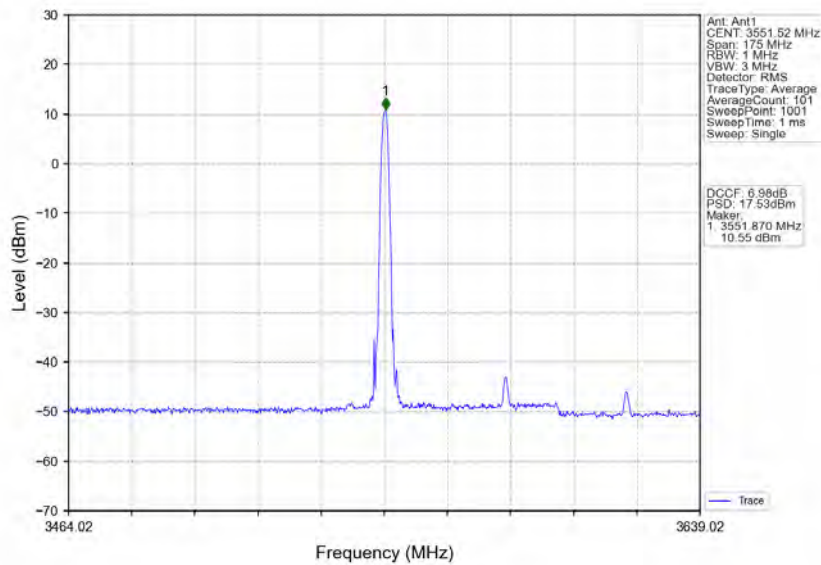
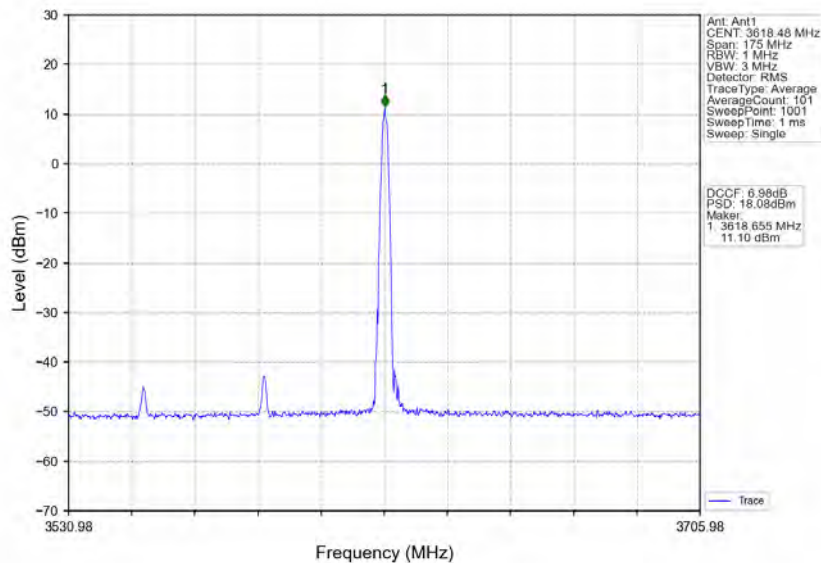


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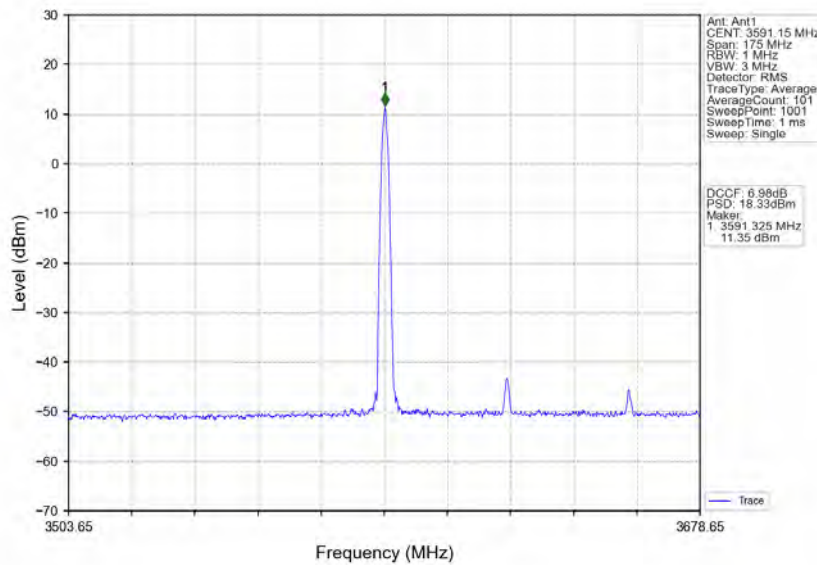
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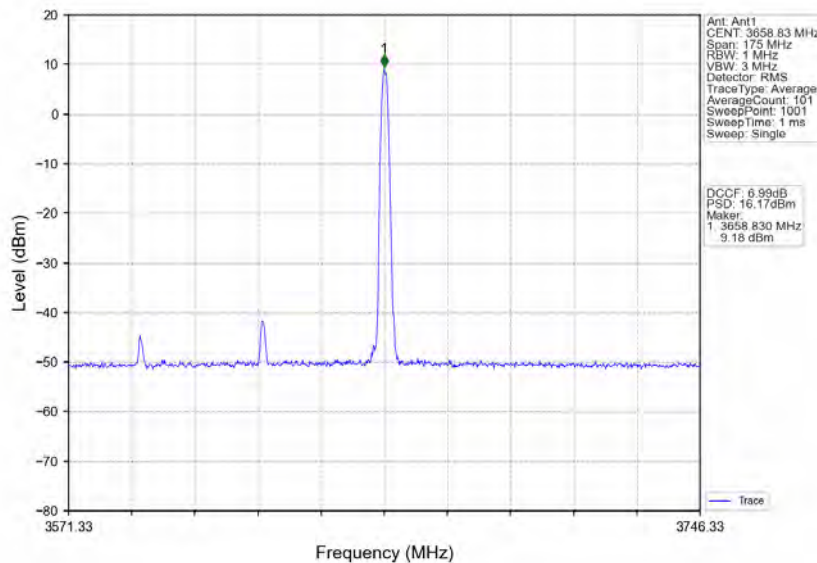
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n78d\_30kHz\_MIMO\_NTNV\_70MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Edge\_1RB\_Left



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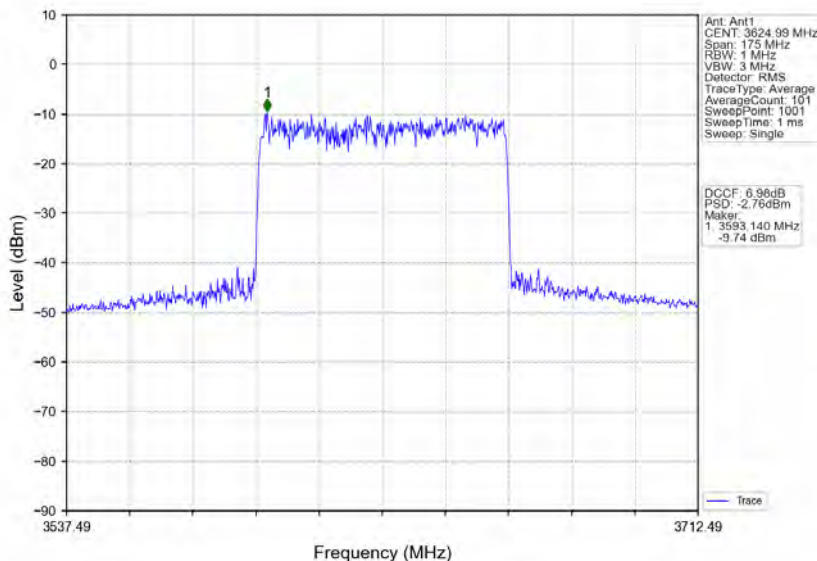
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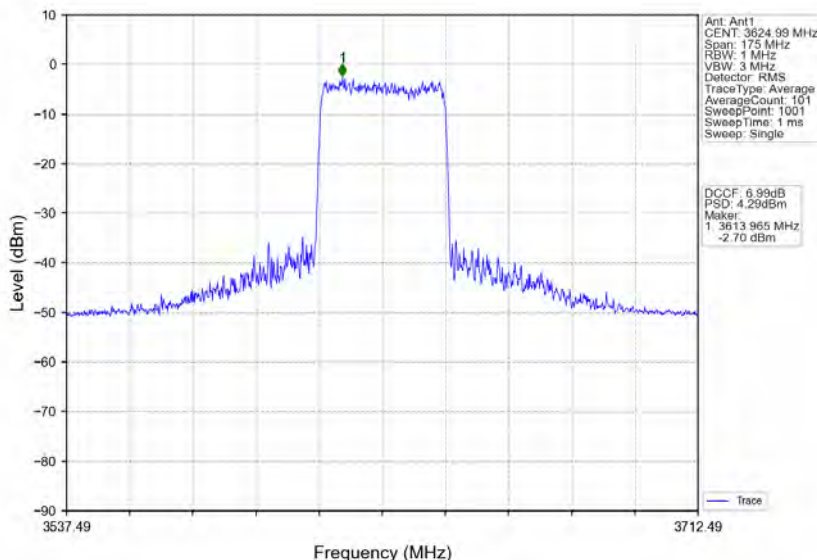
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n78d\_30kHz\_MIMO\_NTNV\_70MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Outer\_Full



n78d\_30kHz\_MIMO\_NTNV\_70MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Inner\_Full



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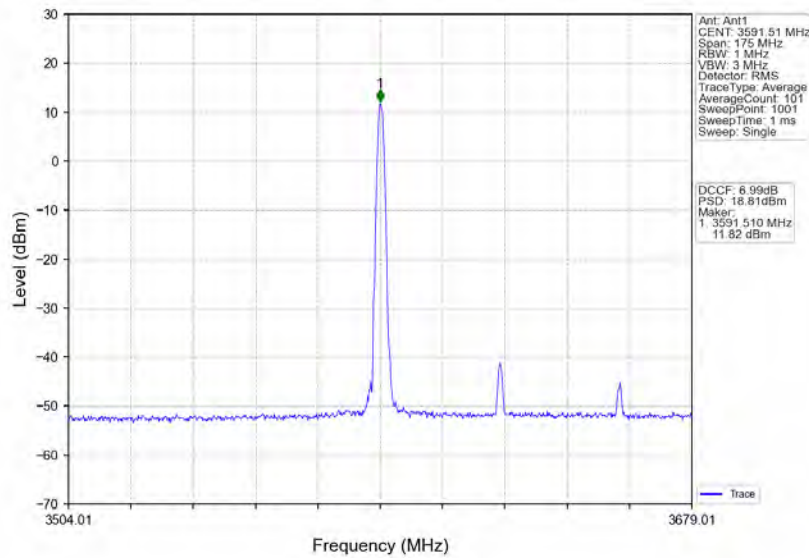
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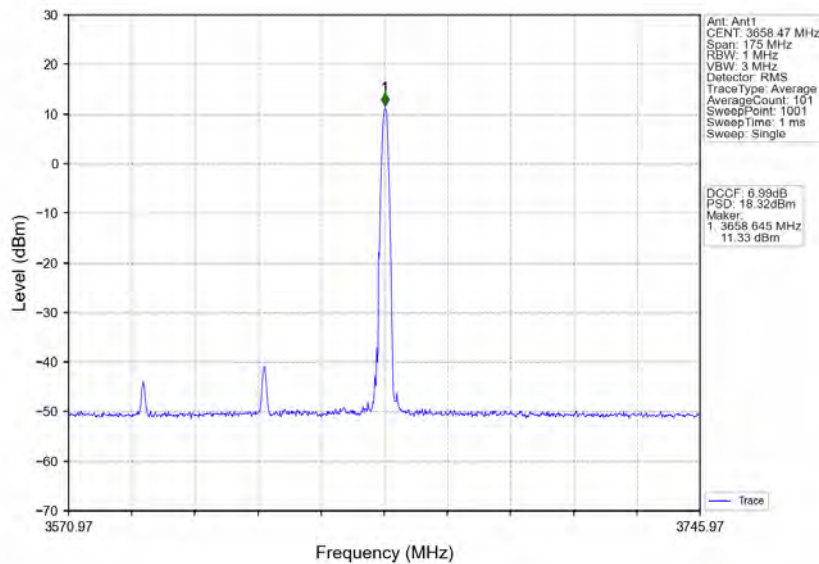
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n78d\_30kHz\_MIMO\_NTNV\_70MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Inner\_1RB\_Left



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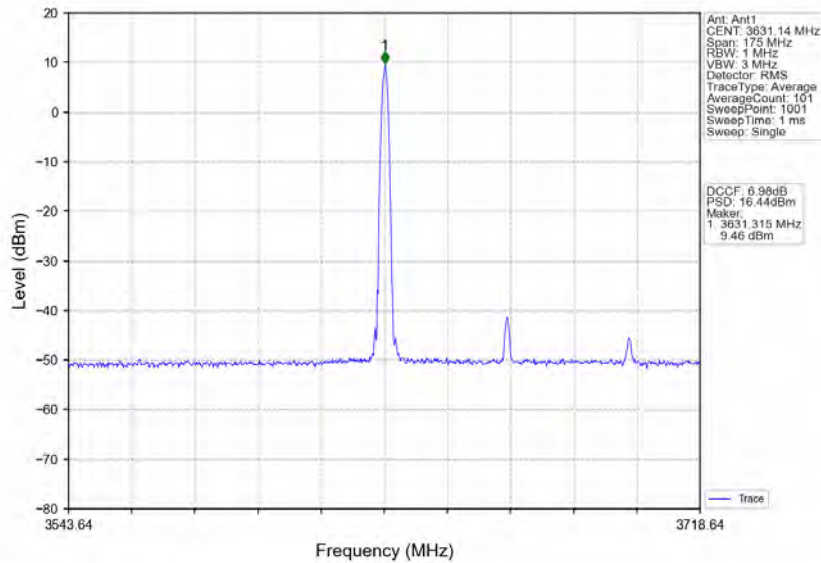
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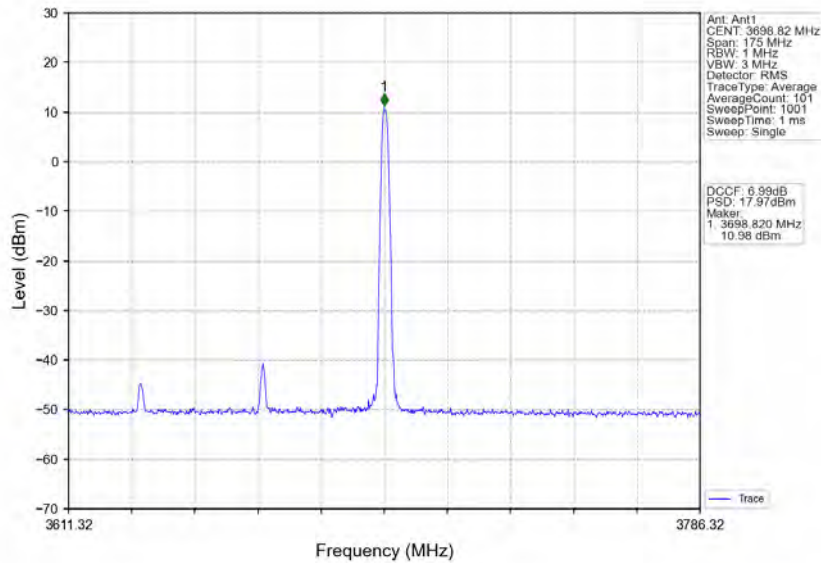
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n78d\_30kHz\_MIMO\_NTNV\_70MHz\_CP-OFDM 64 QAM\_3664.98MHz\_Edge\_1RB\_Left



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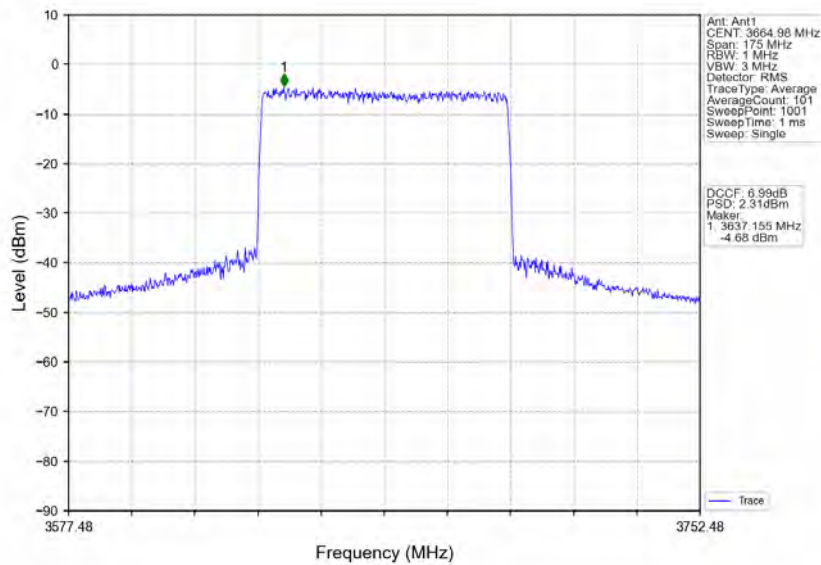
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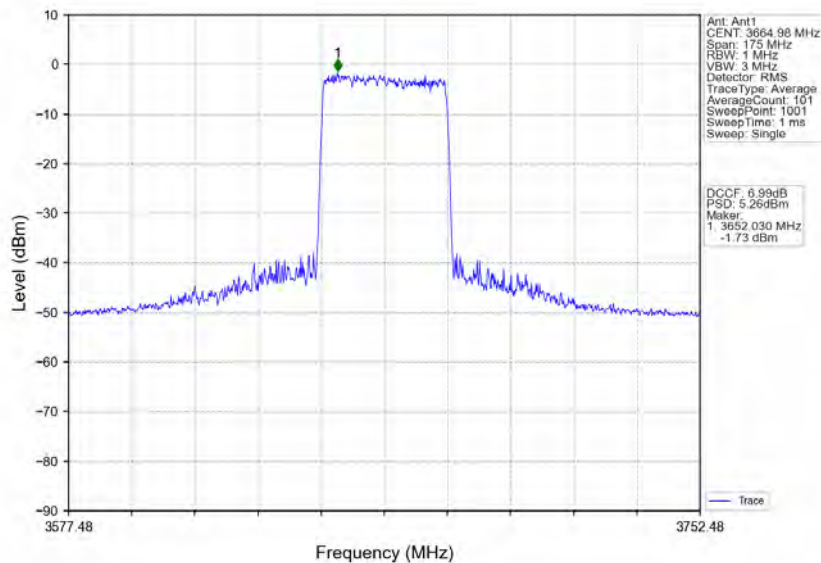
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n78d\_30kHz\_MIMO\_NTNV\_70MHz\_CP-OFDM 64 QAM\_3664.98MHz\_Outer\_Full



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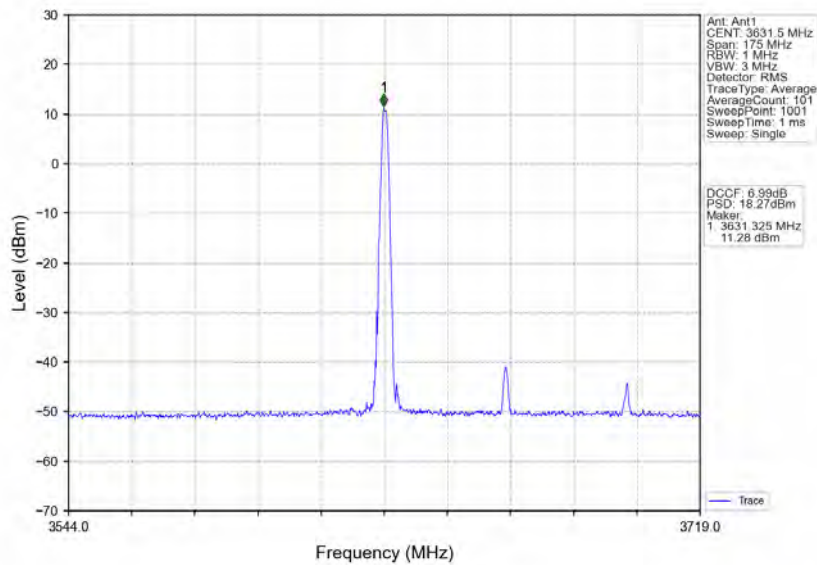
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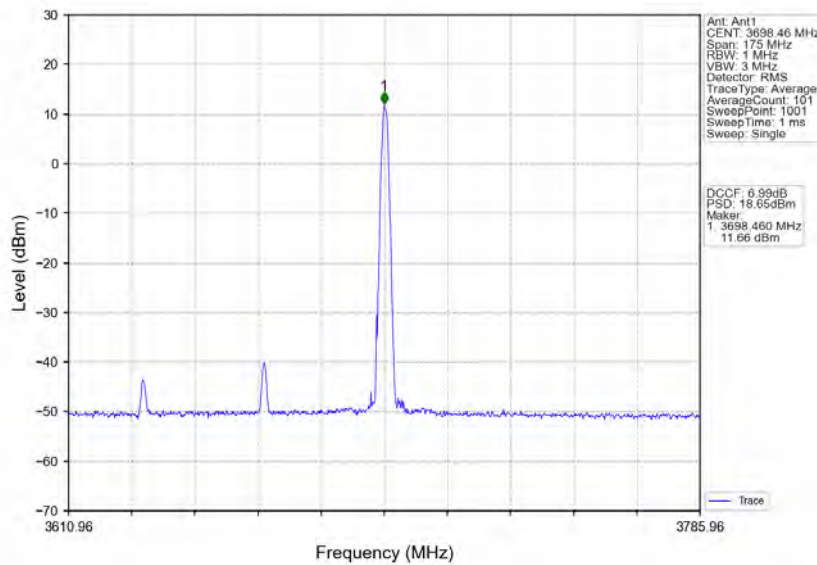
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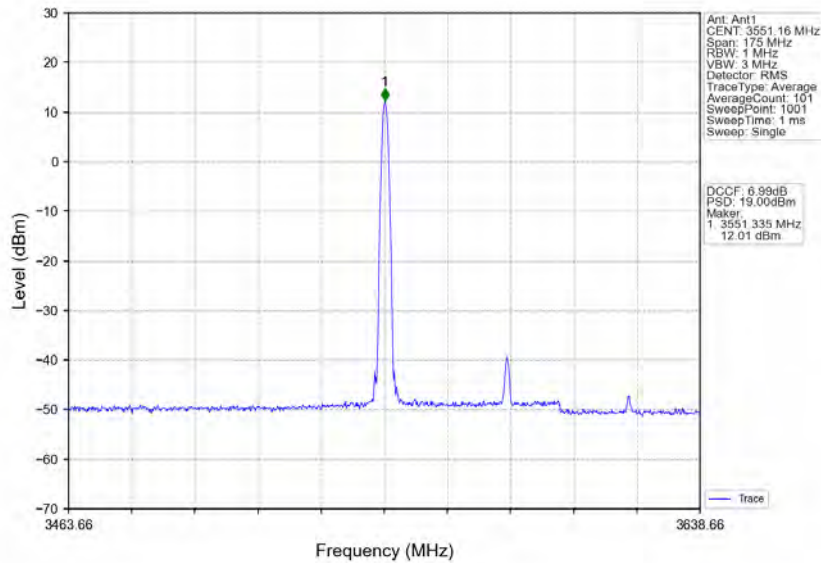
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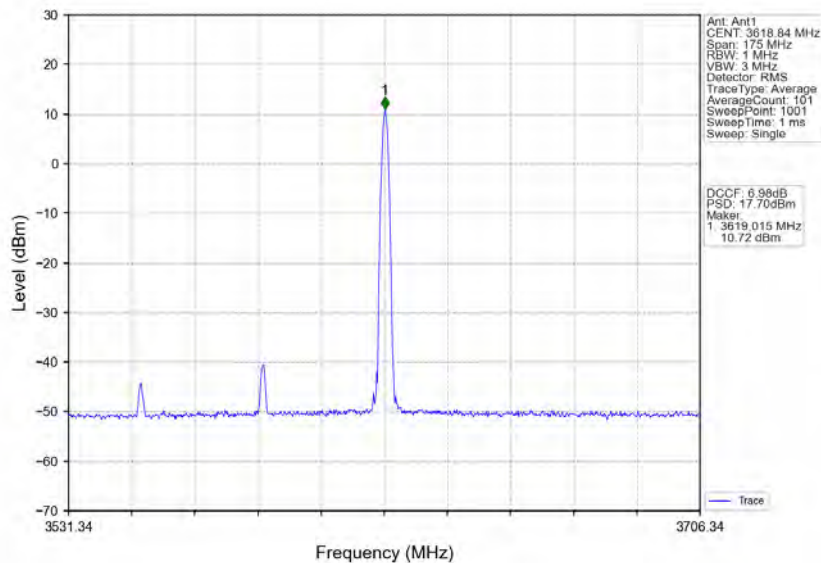
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n78d\_30kHz\_MIMO\_NTNV\_70MHz\_CP-OFDM 256 QAM\_3585MHz\_Edge\_1RB\_Left



n78d\_30kHz\_MIMO\_NTNV\_70MHz\_CP-OFDM 256 QAM\_3585MHz\_Edge\_1RB\_Right



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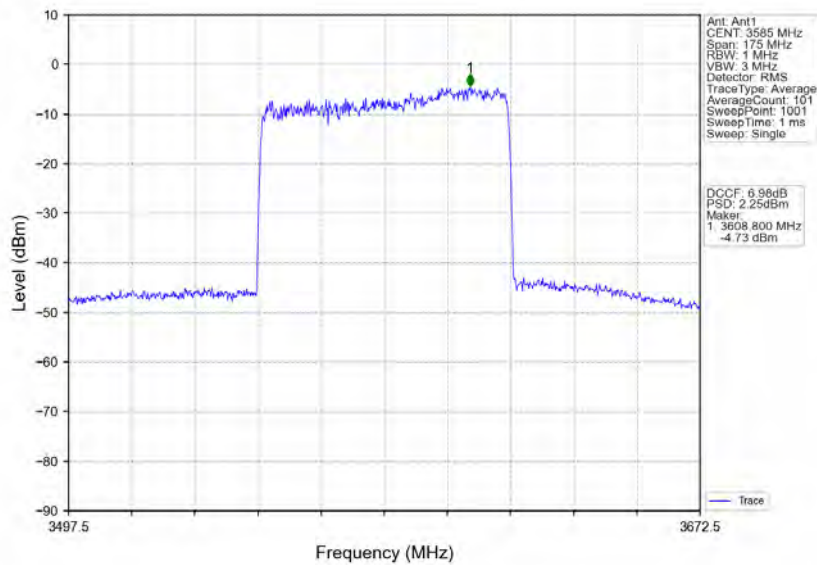
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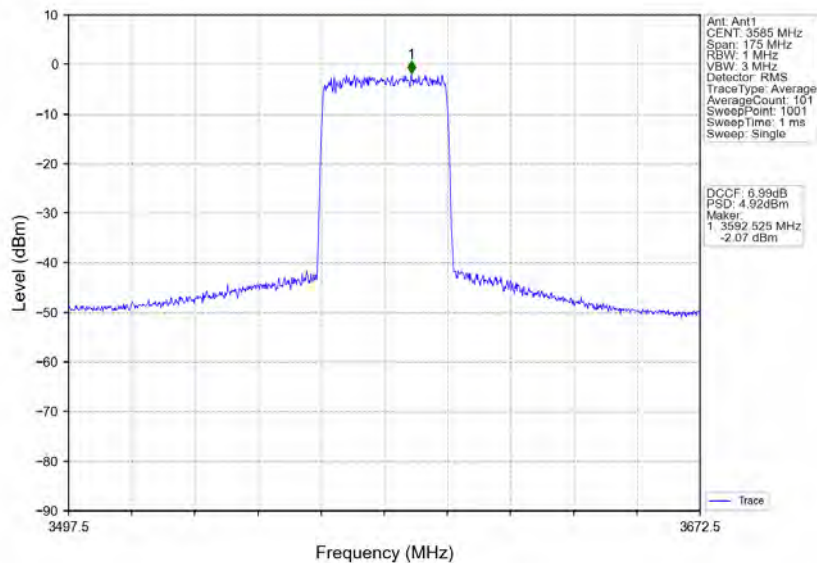
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n78d\_30kHz\_MIMO\_NTNV\_70MHz\_CP-OFDM\_256\_QAM\_3585MHz\_Outer\_Full



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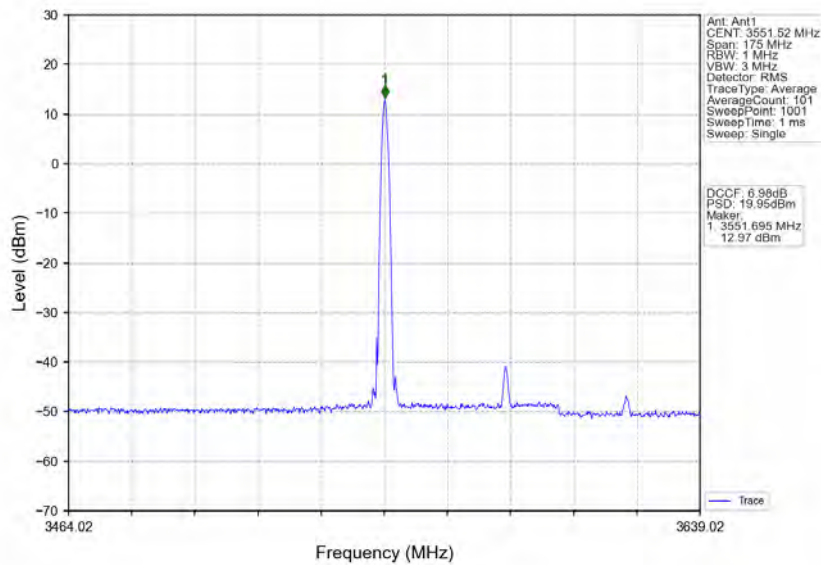
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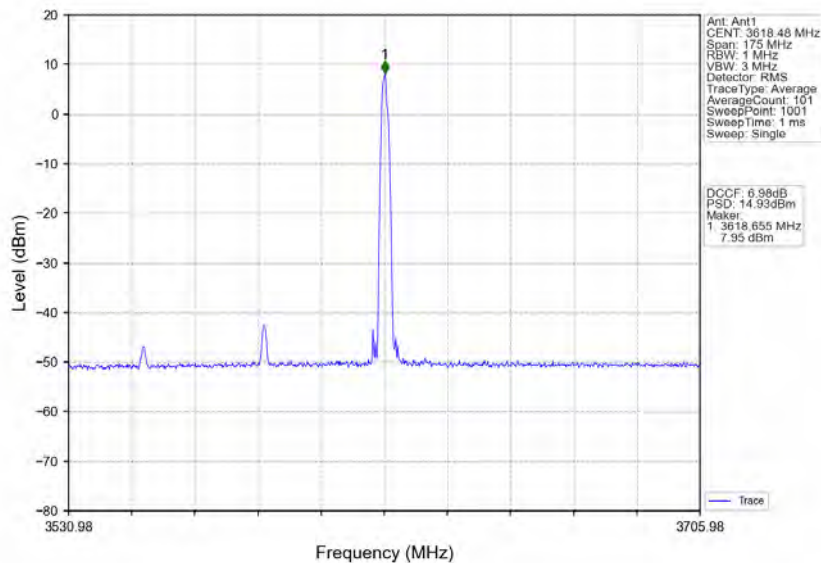
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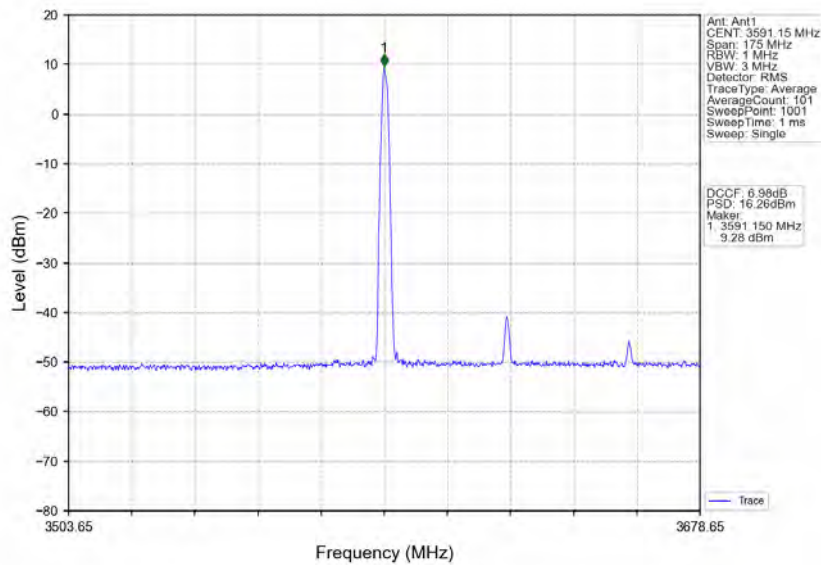
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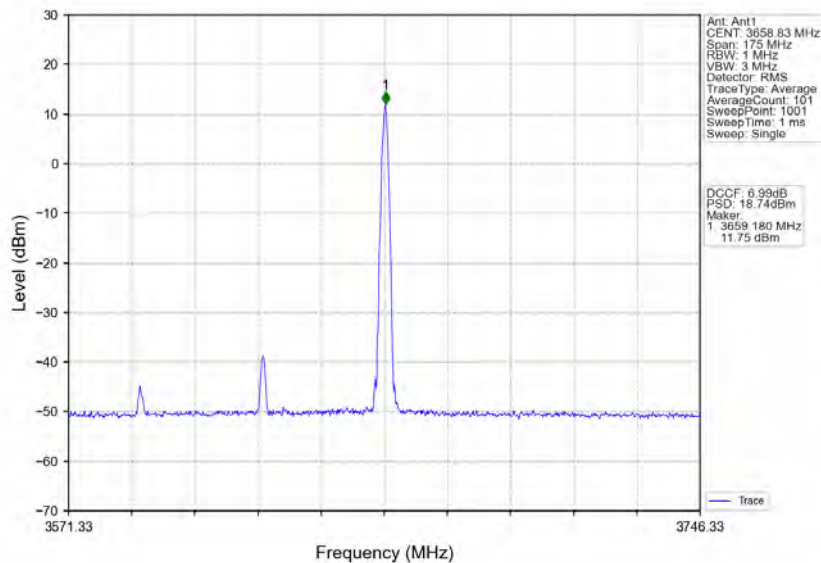
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n78d\_30kHz\_MIMO\_NTNV\_70MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Edge\_1RB\_Left



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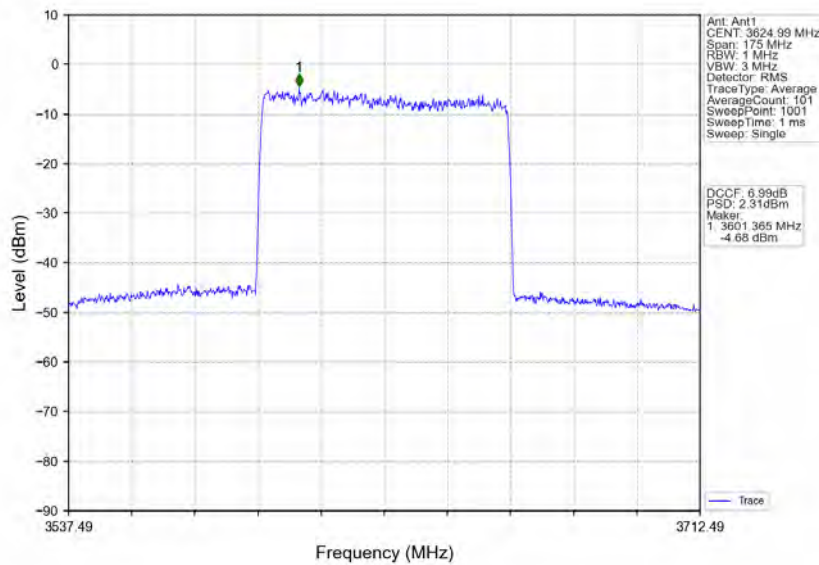
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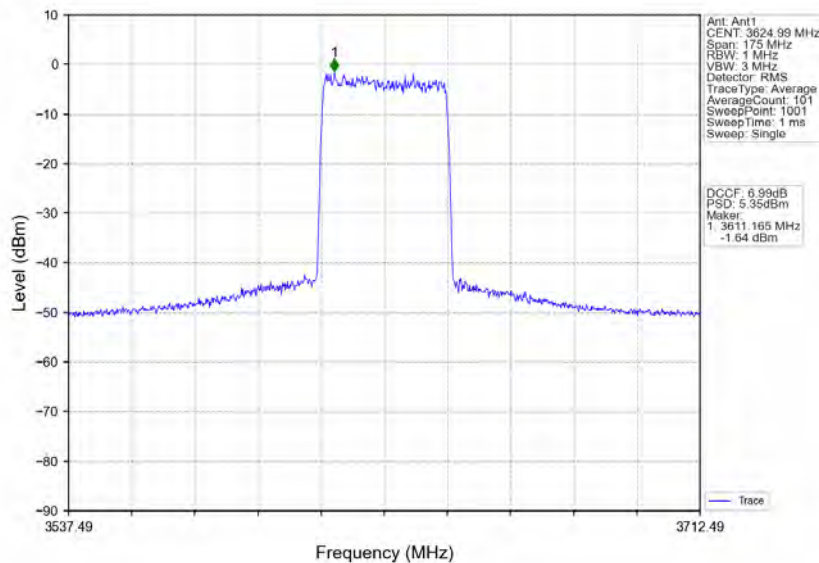
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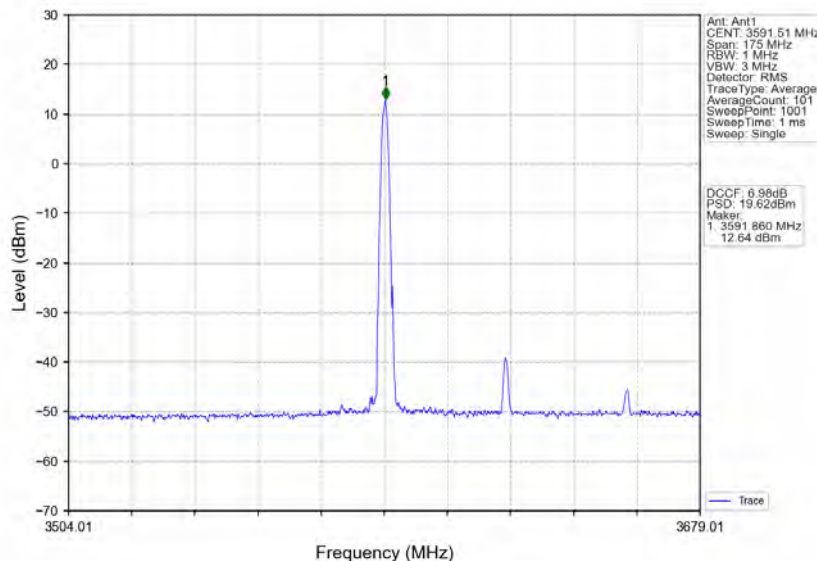
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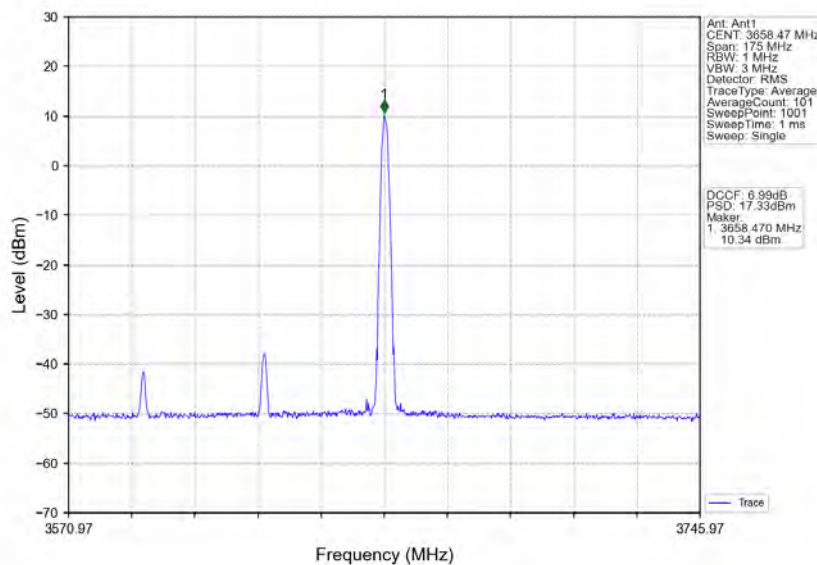
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n78d\_30kHz\_MIMO\_NTNV\_70MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Inner\_1RB\_Left



n78d\_30kHz\_MIMO\_NTNV\_70MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Inner\_1RB\_Right



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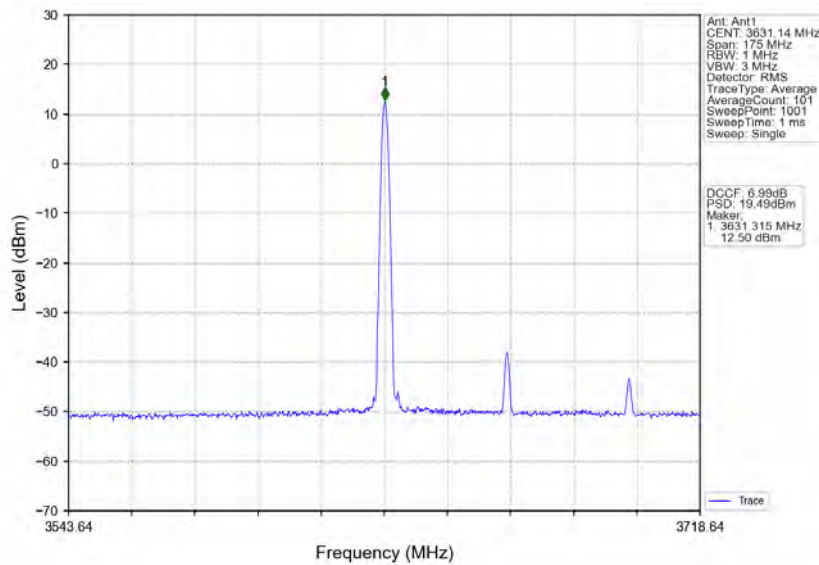
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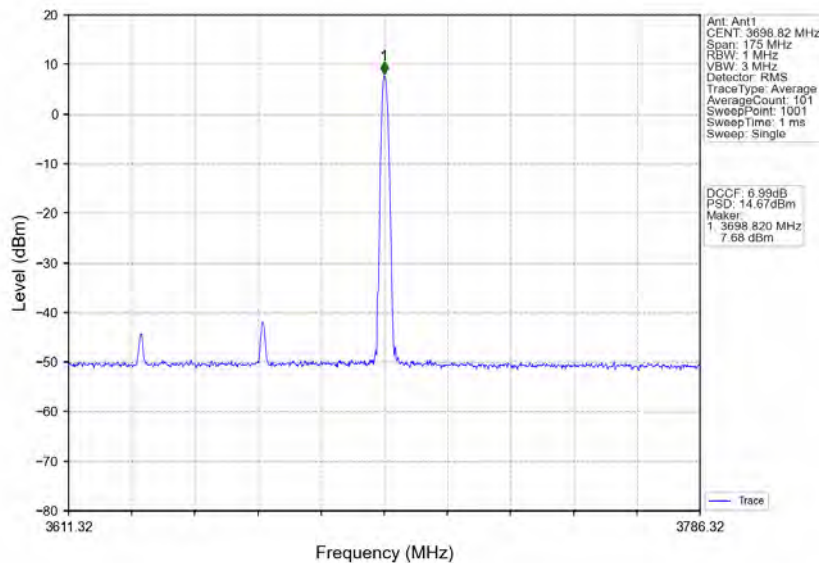
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n78d\_30kHz\_MIMO\_NTNV\_70MHz\_CP-OFDM 256 QAM\_3664.98MHz\_Edge\_1RB\_Left



n78d\_30kHz\_MIMO\_NTNV\_70MHz\_CP-OFDM 256 QAM\_3664.98MHz\_Edge\_1RB\_Right



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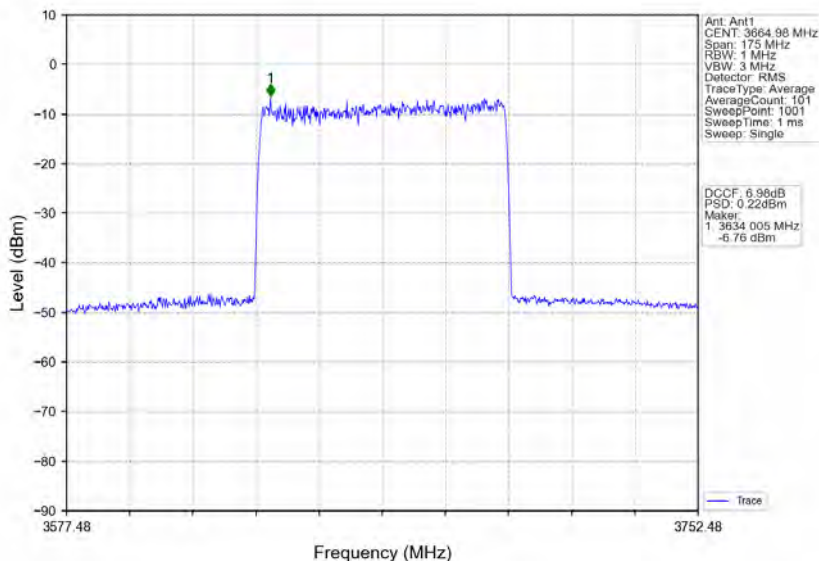
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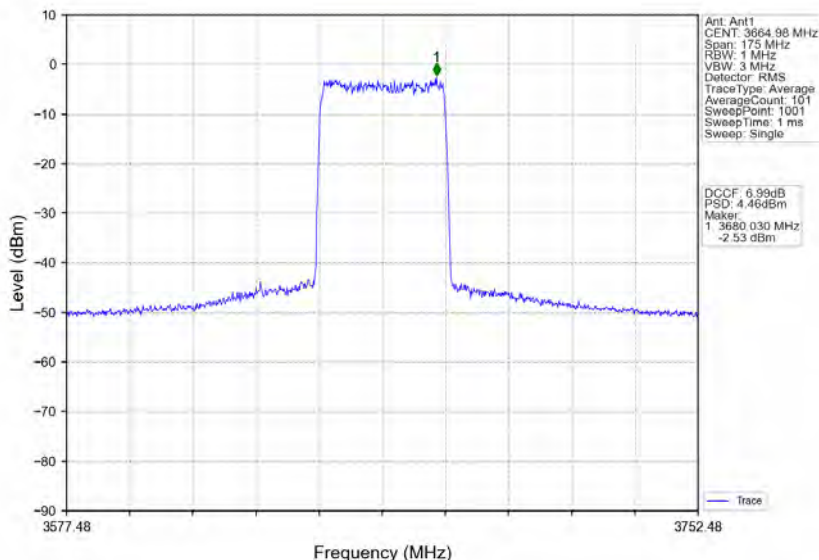
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n78d\_30kHz\_MIMO\_NTNV\_70MHz\_CP-OFDM 256 QAM\_3664.98MHz\_Outer\_Full



n78d\_30kHz\_MIMO\_NTNV\_70MHz\_CP-OFDM 256 QAM\_3664.98MHz\_Inner\_Full



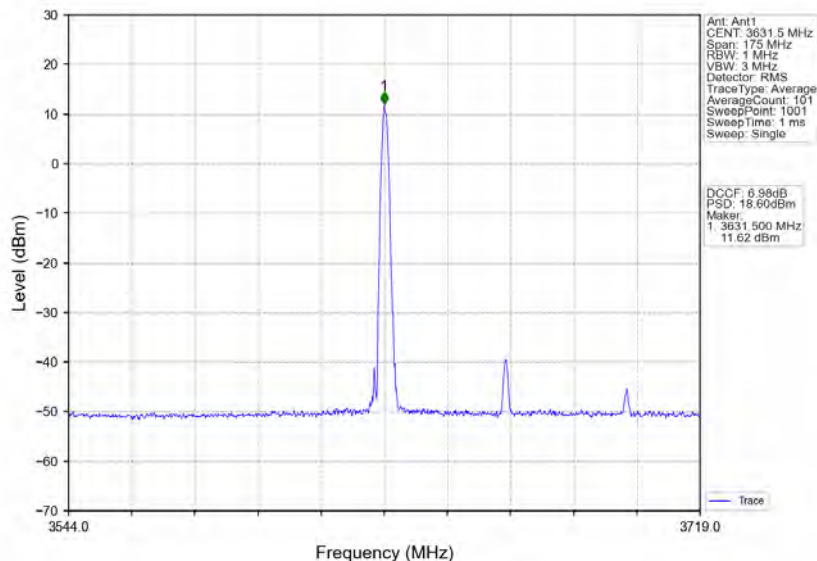
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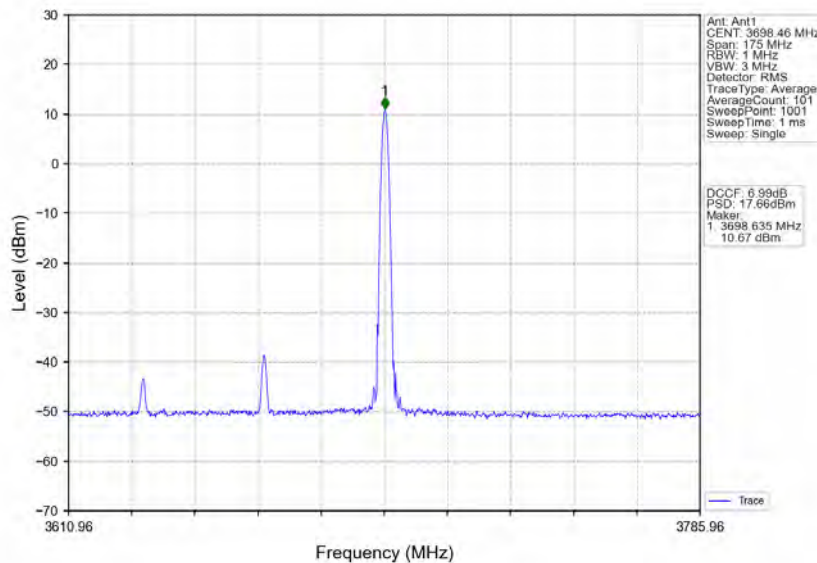
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n78d\_30kHz\_MIMO\_NTNV\_70MHz\_CP-OFDM 256 QAM\_3664.98MHz\_Inner\_1RB\_Left



n78d\_30kHz\_MIMO\_NTNV\_70MHz\_CP-OFDM 256 QAM\_3664.98MHz\_Inner\_1RB\_Right



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2.25 30k\_MIMO\_80MHz\_NTNV\_EIRP

2.25.1 Test Result

5G NR n78d SCS=30kHz MIMO 80MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3590.01	Edge_1RB_Left	18.91	18.84	21.89	33.23	33.19	36.22	<=47	Pass
		Edge_1RB_Right	18.91	18.85	21.89	33.23	33.20	36.23	<=47	Pass
		Outer_Full	19.05	18.94	22.01	33.37	33.29	36.34	<=47	Pass
		Inner_Full	18.96	19.04	22.01	33.28	33.39	36.35	<=47	Pass
		Inner_1RB_Left	18.83	18.85	21.85	33.15	33.20	36.19	<=47	Pass
		Inner_1RB_Right	19.01	18.99	22.01	33.33	33.34	36.35	<=47	Pass
	3624.99	Edge_1RB_Left	18.87	19.02	21.96	33.19	33.37	36.29	<=47	Pass
		Edge_1RB_Right	18.62	18.59	21.62	32.94	32.94	35.95	<=47	Pass
		Outer_Full	19.04	19.06	22.06	33.36	33.41	36.40	<=47	Pass
		Inner_Full	19.07	19.05	22.07	33.39	33.40	36.41	<=47	Pass
		Inner_1RB_Left	18.83	18.92	21.89	33.15	33.27	36.22	<=47	Pass
		Inner_1RB_Right	18.67	18.58	21.64	32.99	32.93	35.97	<=47	Pass
	3660	Edge_1RB_Left	18.90	18.88	21.90	33.22	33.23	36.24	<=47	Pass
		Edge_1RB_Right	18.59	18.54	21.58	32.91	32.89	35.91	<=47	Pass
		Outer_Full	18.79	18.79	21.80	33.11	33.14	36.14	<=47	Pass
		Inner_Full	18.81	18.75	21.79	33.13	33.10	36.13	<=47	Pass
		Inner_1RB_Left	18.91	18.83	21.88	33.23	33.18	36.22	<=47	Pass
		Inner_1RB_Right	18.65	18.69	21.68	32.97	33.04	36.02	<=47	Pass
CP-OFDM 16 QAM	3590.01	Edge_1RB_Left	19.05	19.00	22.04	33.37	33.35	36.37	<=47	Pass
		Edge_1RB_Right	19.01	19.02	22.03	33.33	33.37	36.36	<=47	Pass
		Outer_Full	18.96	19.05	22.02	33.28	33.40	36.35	<=47	Pass
		Inner_Full	19.10	18.95	22.04	33.42	33.30	36.37	<=47	Pass
		Inner_1RB_Left	19.02	18.99	22.02	33.34	33.34	36.35	<=47	Pass
		Inner_1RB_Right	19.06	19.10	22.09	33.38	33.45	36.43	<=47	Pass
	3624.99	Edge_1RB_Left	19.04	18.99	22.03	33.36	33.34	36.36	<=47	Pass
		Edge_1RB_Right	18.74	18.70	21.73	33.06	33.05	36.07	<=47	Pass
		Outer_Full	19.00	19.05	22.04	33.32	33.40	36.37	<=47	Pass
		Inner_Full	19.12	19.06	22.10	33.44	33.41	36.44	<=47	Pass
		Inner_1RB_Left	19.07	19.04	22.07	33.39	33.39	36.40	<=47	Pass
		Inner_1RB_Right	18.68	18.66	21.68	33.00	33.01	36.02	<=47	Pass
	3660	Edge_1RB_Left	19.09	18.99	22.05	33.41	33.34	36.39	<=47	Pass
		Edge_1RB_Right	18.77	18.80	21.80	33.09	33.15	36.13	<=47	Pass
		Outer_Full	18.78	18.80	21.80	33.10	33.15	36.14	<=47	Pass
		Inner_Full	18.85	18.76	21.82	33.17	33.11	36.15	<=47	Pass
		Inner_1RB_Left	19.05	18.96	22.02	33.37	33.31	36.35	<=47	Pass
		Inner_1RB_Right	18.75	18.63	21.70	33.07	32.98	36.04	<=47	Pass
CP-OFDM 64 QAM	3590.01	Edge_1RB_Left	18.92	19.05	22.00	33.24	33.40	36.33	<=47	Pass
		Edge_1RB_Right	19.01	19.05	22.04	33.33	33.40	36.38	<=47	Pass
		Outer_Full	19.09	18.97	22.04	33.41	33.32	36.38	<=47	Pass
		Inner_Full	18.95	19.01	21.99	33.27	33.36	36.33	<=47	Pass
		Inner_1RB_Left	19.11	19.10	22.12	33.43	33.45	36.45	<=47	Pass
		Inner_1RB_Right	19.09	19.00	22.06	33.41	33.35	36.39	<=47	Pass
	3624.99	Edge_1RB_Left	19.06	19.12	22.10	33.38	33.47	36.44	<=47	Pass
		Edge_1RB_Right	18.67	18.79	21.74	32.99	33.14	36.08	<=47	Pass

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CP-OFDM 256 QAM	3660	Outer_Full	18.98	18.94	21.97	33.30	33.29	36.31	<=47	Pass	
		Inner_Full	19.10	19.04	22.08	33.42	33.39	36.42	<=47	Pass	
		Inner_1RB_Left	19.11	19.07	22.10	33.43	33.42	36.44	<=47	Pass	
		Inner_1RB_Right	18.74	18.77	21.77	33.06	33.12	36.10	<=47	Pass	
	3660	Edge_1RB_Left	19.05	19.12	22.10	33.37	33.47	36.43	<=47	Pass	
		Edge_1RB_Right	18.73	18.76	21.76	33.05	33.11	36.09	<=47	Pass	
		Outer_Full	18.79	18.78	21.80	33.11	33.13	36.13	<=47	Pass	
		Inner_Full	18.81	18.75	21.79	33.13	33.10	36.13	<=47	Pass	
	3590.01	3660	Inner_1RB_Left	19.12	19.04	22.09	33.44	33.39	36.43	<=47	Pass
			Inner_1RB_Right	18.80	18.80	21.81	33.12	33.15	36.15	<=47	Pass
			Edge_1RB_Left	18.84	18.90	21.88	33.16	33.25	36.22	<=47	Pass
			Edge_1RB_Right	18.84	18.95	21.91	33.16	33.30	36.24	<=47	Pass
		3624.99	Outer_Full	19.04	18.97	22.02	33.36	33.32	36.35	<=47	Pass
			Inner_Full	19.02	19.06	22.05	33.34	33.41	36.39	<=47	Pass
			Inner_1RB_Left	18.91	18.82	21.88	33.23	33.17	36.21	<=47	Pass
			Inner_1RB_Right	18.78	18.77	21.79	33.10	33.12	36.12	<=47	Pass
3660		Edge_1RB_Left	18.90	18.78	21.85	33.22	33.13	36.19	<=47	Pass	
		Edge_1RB_Right	18.59	18.53	21.57	32.91	32.88	35.91	<=47	Pass	
		Outer_Full	19.03	18.96	22.01	33.35	33.31	36.34	<=47	Pass	
		Inner_Full	19.08	19.08	22.09	33.40	33.43	36.43	<=47	Pass	
3660		Inner_1RB_Left	18.90	18.77	21.85	33.22	33.12	36.18	<=47	Pass	
		Inner_1RB_Right	18.50	18.48	21.50	32.82	32.83	35.84	<=47	Pass	
		Edge_1RB_Left	18.87	18.88	21.89	33.19	33.23	36.22	<=47	Pass	
		Edge_1RB_Right	18.63	18.63	21.64	32.95	32.98	35.98	<=47	Pass	
3660	Outer_Full	18.85	18.80	21.84	33.17	33.15	36.17	<=47	Pass		
	Inner_Full	18.91	18.82	21.88	33.23	33.17	36.21	<=47	Pass		
	Inner_1RB_Left	18.97	18.90	21.95	33.29	33.25	36.28	<=47	Pass		
	Inner_1RB_Right	18.62	18.61	21.63	32.94	32.96	35.96	<=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

2.26 30k\_MIMO\_80MHz\_NTNV\_EIRP/10MHz

2.26.1 Test Result

5G NR n78d SCS=30kHz MIMO 80MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3590.01	Edge_1RB_Left	17.77	18.83	21.34	32.09	33.18	35.68	<=47	Pass
		Edge_1RB_Right	18.31	17.70	21.03	32.63	32.05	35.36	<=47	Pass
		Outer_Full	9.93	9.49	12.73	24.25	23.84	27.06	<=47	Pass
		Inner_Full	12.71	12.36	15.55	27.03	26.71	29.88	<=47	Pass
		Inner_1RB_Left	18.27	16.12	20.34	32.59	30.47	34.67	<=47	Pass
		Inner_1RB_Right	17.22	18.17	20.73	31.54	32.52	35.07	<=47	Pass
	3624.99	Edge_1RB_Left	17.33	17.16	20.26	31.65	31.51	34.59	<=47	Pass
		Edge_1RB_Right	17.59	17.63	20.62	31.91	31.98	34.96	<=47	Pass
		Outer_Full	9.12	9.75	12.46	23.44	24.10	26.79	<=47	Pass
		Inner_Full	11.71	10.91	14.34	26.03	25.26	28.67	<=47	Pass
	3660	Inner_1RB_Left	18.20	17.47	20.86	32.52	31.82	35.19	<=47	Pass
		Inner_1RB_Right	18.25	17.65	20.97	32.57	32.00	35.30	<=47	Pass
		Edge_1RB_Left	18.22	18.29	21.27	32.54	32.64	35.60	<=47	Pass

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		Edge_1RB_Right	18.43	17.38	20.95	32.75	31.73	35.28	<=47	Pass
		Outer_Full	8.61	6.78	10.80	22.93	21.13	25.13	<=47	Pass
		Inner_Full	11.72	11.04	14.40	26.04	25.39	28.74	<=47	Pass
		Inner_1RB_Left	17.87	18.66	21.29	32.19	33.01	35.63	<=47	Pass
		Inner_1RB_Right	18.35	18.49	21.43	32.67	32.84	35.77	<=47	Pass
CP-OFDM 16 QAM	3590.01	Edge_1RB_Left	18.07	18.20	21.15	32.39	32.55	35.48	<=47	Pass
		Edge_1RB_Right	17.59	17.66	20.64	31.91	32.01	34.97	<=47	Pass
		Outer_Full	8.55	9.72	12.18	22.87	24.07	26.52	<=47	Pass
		Inner_Full	12.72	13.31	16.04	27.04	27.66	30.37	<=47	Pass
		Inner_1RB_Left	19.29	19.56	22.44	33.61	33.91	36.77	<=47	Pass
	3624.99	Inner_1RB_Right	18.08	17.90	21.00	32.40	32.25	35.34	<=47	Pass
		Edge_1RB_Left	18.67	17.52	21.14	32.99	31.87	35.48	<=47	Pass
		Edge_1RB_Right	16.96	16.85	19.92	31.28	31.20	34.25	<=47	Pass
		Outer_Full	9.33	8.91	12.14	23.65	23.26	26.47	<=47	Pass
		Inner_Full	12.27	11.64	14.98	26.59	25.99	29.31	<=47	Pass
	3660	Inner_1RB_Left	17.62	18.49	21.09	31.94	32.84	35.42	<=47	Pass
		Inner_1RB_Right	17.18	18.21	20.74	31.50	32.56	35.07	<=47	Pass
		Edge_1RB_Left	18.42	17.79	21.13	32.74	32.14	35.46	<=47	Pass
		Edge_1RB_Right	17.71	16.22	20.04	32.03	30.57	34.37	<=47	Pass
		Outer_Full	8.42	9.46	11.98	22.74	23.81	26.32	<=47	Pass
CP-OFDM 64 QAM	3590.01	Inner_Full	11.08	12.87	15.08	25.40	27.22	29.41	<=47	Pass
		Inner_1RB_Left	17.30	15.89	19.66	31.62	30.24	33.99	<=47	Pass
		Inner_1RB_Right	18.61	18.16	21.40	32.93	32.51	35.74	<=47	Pass
		Edge_1RB_Left	18.25	18.63	21.45	32.57	32.98	35.79	<=47	Pass
		Edge_1RB_Right	18.25	16.84	20.61	32.57	31.19	34.94	<=47	Pass
	3624.99	Outer_Full	9.57	9.04	12.32	23.89	23.39	26.66	<=47	Pass
		Inner_Full	11.34	12.67	15.07	25.66	27.02	29.40	<=47	Pass
		Inner_1RB_Left	17.22	18.46	20.89	31.54	32.81	35.23	<=47	Pass
		Inner_1RB_Right	18.02	18.08	21.06	32.34	32.43	35.40	<=47	Pass
		Edge_1RB_Left	18.56	17.14	20.92	32.88	31.49	35.25	<=47	Pass
	3660	Edge_1RB_Right	17.72	16.16	20.02	32.04	30.51	34.35	<=47	Pass
		Outer_Full	9.12	7.68	11.47	23.44	22.03	25.80	<=47	Pass
		Inner_Full	12.16	11.37	14.79	26.48	25.72	29.13	<=47	Pass
		Inner_1RB_Left	18.42	17.50	20.99	32.74	31.85	35.33	<=47	Pass
		Inner_1RB_Right	17.01	16.09	19.58	31.33	30.44	33.92	<=47	Pass
CP-OFDM 256 QAM	3590.01	Edge_1RB_Left	18.15	17.05	20.65	32.47	31.40	34.98	<=47	Pass
		Edge_1RB_Right	18.18	17.47	20.85	32.50	31.82	35.18	<=47	Pass
		Outer_Full	8.04	8.65	11.37	22.36	23.00	25.70	<=47	Pass
		Inner_Full	11.66	11.52	14.60	25.98	25.87	28.94	<=47	Pass
		Inner_1RB_Left	18.45	17.34	20.94	32.77	31.69	35.27	<=47	Pass
	3624.99	Inner_1RB_Right	18.00	15.26	19.85	32.32	29.61	34.18	<=47	Pass
		Edge_1RB_Left	18.74	18.55	21.66	33.06	32.90	35.99	<=47	Pass
		Edge_1RB_Right	17.43	18.59	21.06	31.75	32.94	35.40	<=47	Pass
		Outer_Full	9.93	10.91	13.46	24.25	25.26	27.79	<=47	Pass
		Inner_Full	11.27	12.62	15.01	25.59	26.97	29.34	<=47	Pass
	3660	Inner_1RB_Left	18.55	17.90	21.25	32.87	32.25	35.58	<=47	Pass
		Inner_1RB_Right	16.69	18.49	20.69	31.01	32.84	35.03	<=47	Pass
		Edge_1RB_Left	18.68	18.33	21.52	33.00	32.68	35.85	<=47	Pass
		Edge_1RB_Right	15.91	17.57	19.83	30.23	31.92	34.17	<=47	Pass
		Outer_Full	8.57	8.91	11.75	22.89	23.26	26.09	<=47	Pass
		Inner_Full	12.17	12.26	15.23	26.49	26.61	29.56	<=47	Pass
		Inner_1RB_Left	18.54	18.64	21.60	32.86	32.99	35.94	<=47	Pass
		Inner_1RB_Right	17.13	16.32	19.75	31.45	30.67	34.09	<=47	Pass
		Edge_1RB_Left	18.92	19.70	22.34	33.24	34.05	36.67	<=47	Pass
		Edge_1RB_Right	18.92	19.70	22.34	33.24	34.05	36.67	<=47	Pass

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	Edge_1RB_Right	17.85	17.88	20.88	32.17	32.23	35.21	<=47	Pass
	Outer_Full	8.00	8.97	11.52	22.32	23.32	25.86	<=47	Pass
	Inner_Full	11.71	10.87	14.32	26.03	25.22	28.65	<=47	Pass
	Inner_1RB_Left	17.14	18.26	20.75	31.46	32.61	35.08	<=47	Pass
	Inner_1RB_Right	17.37	17.70	20.55	31.69	32.05	34.88	<=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

## 2.27 30k\_MIMO\_80MHz\_NTNV\_PSD

### 2.27.1 Test Result

5G NR n78d SCS=30kHz MIMO 80MHz 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	3590.01	Edge_1RB_Left	17.58	15.52	19.68	31.90	29.87	34.01	<=37	Pass
		Edge_1RB_Right	15.79	19.91	21.33	30.11	34.26	35.67	<=37	Pass
		Outer_Full	1.25	1.96	4.63	15.57	16.31	18.97	<=37	Pass
		Inner_Full	3.80	4.75	7.31	18.12	19.10	21.65	<=37	Pass
		Inner_1RB_Left	17.41	19.64	21.68	31.73	33.99	36.02	<=37	Pass
		Inner_1RB_Right	18.05	19.55	21.87	32.37	33.90	36.21	<=37	Pass
	3624.99	Edge_1RB_Left	17.79	18.50	21.17	32.11	32.85	35.51	<=37	Pass
		Edge_1RB_Right	18.15	16.60	20.45	32.47	30.95	34.79	<=37	Pass
		Outer_Full	2.20	0.55	4.46	16.52	14.90	18.80	<=37	Pass
		Inner_Full	2.16	3.84	6.09	16.48	18.19	20.43	<=37	Pass
		Inner_1RB_Left	17.37	18.21	20.82	31.69	32.56	35.16	<=37	Pass
		Inner_1RB_Right	17.64	17.57	20.62	31.96	31.92	34.95	<=37	Pass
	3660	Edge_1RB_Left	18.39	18.77	21.59	32.71	33.12	35.93	<=37	Pass
		Edge_1RB_Right	16.84	17.60	20.25	31.16	31.95	34.58	<=37	Pass
		Outer_Full	1.11	2.00	4.59	15.43	16.35	18.92	<=37	Pass
		Inner_Full	1.38	2.44	4.95	15.70	16.79	19.29	<=37	Pass
		Inner_1RB_Left	18.18	14.99	19.88	32.50	29.34	34.21	<=37	Pass
		Inner_1RB_Right	19.07	18.99	22.04	33.39	33.34	36.38	<=37	Pass
CP-OFDM 16 QAM	3590.01	Edge_1RB_Left	18.20	14.40	19.71	32.52	28.75	34.04	<=37	Pass
		Edge_1RB_Right	16.33	18.93	20.83	30.65	33.28	35.17	<=37	Pass
		Outer_Full	1.08	2.09	4.62	15.40	16.44	18.96	<=37	Pass
		Inner_Full	4.24	4.35	7.31	18.56	18.70	21.64	<=37	Pass
		Inner_1RB_Left	18.56	20.01	22.36	32.88	34.36	36.69	<=37	Pass
		Inner_1RB_Right	19.55	16.82	21.41	33.87	31.17	35.74	<=37	Pass
	3624.99	Edge_1RB_Left	18.59	18.90	21.76	32.91	33.25	36.09	<=37	Pass
		Edge_1RB_Right	18.29	16.38	20.45	32.61	30.73	34.78	<=37	Pass
		Outer_Full	1.24	3.40	5.46	15.56	17.75	19.80	<=37	Pass
		Inner_Full	0.87	6.01	7.17	15.19	20.36	21.51	<=37	Pass
		Inner_1RB_Left	16.70	20.63	22.11	31.02	34.98	36.45	<=37	Pass
		Inner_1RB_Right	18.03	16.64	20.40	32.35	30.99	34.73	<=37	Pass
	3660	Edge_1RB_Left	17.30	19.13	21.32	31.62	33.48	35.66	<=37	Pass
		Edge_1RB_Right	17.02	16.74	19.89	31.34	31.09	34.23	<=37	Pass
		Outer_Full	0.88	1.35	4.13	15.20	15.70	18.47	<=37	Pass
		Inner_Full	3.40	5.69	7.70	17.72	20.04	22.04	<=37	Pass
		Inner_1RB_Left	17.17	17.54	20.37	31.49	31.89	34.70	<=37	Pass
		Inner_1RB_Right	17.90	16.80	20.40	32.22	31.15	34.73	<=37	Pass

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CP-OFDM 64 QAM	3590.01	Edge_1RB_Left	16.61	17.47	20.07	30.93	31.82	34.41	<=37	Pass
		Edge_1RB_Right	17.56	18.53	21.08	31.88	32.88	35.42	<=37	Pass
		Outer_Full	1.38	1.85	4.63	15.70	16.20	18.97	<=37	Pass
		Inner_Full	3.71	5.45	7.68	18.03	19.80	22.01	<=37	Pass
		Inner_1RB_Left	17.63	19.56	21.71	31.95	33.91	36.05	<=37	Pass
	3624.99	Inner_1RB_Right	19.27	20.48	22.93	33.59	34.83	37.26	<=37	Pass
		Edge_1RB_Left	18.71	18.55	21.64	33.03	32.90	35.98	<=37	Pass
		Edge_1RB_Right	17.46	16.93	20.21	31.78	31.28	34.55	<=37	Pass
		Outer_Full	1.82	2.77	5.33	16.14	17.12	19.67	<=37	Pass
		Inner_Full	3.90	4.25	7.09	18.22	18.60	21.42	<=37	Pass
	3660	Inner_1RB_Left	18.51	17.39	21.00	32.83	31.74	35.33	<=37	Pass
		Inner_1RB_Right	19.22	14.76	20.55	33.54	29.11	34.88	<=37	Pass
		Edge_1RB_Left	17.24	19.10	21.28	31.56	33.45	35.62	<=37	Pass
		Edge_1RB_Right	16.35	19.87	21.47	30.67	34.22	35.81	<=37	Pass
		Outer_Full	1.84	0.49	4.23	16.16	14.84	18.56	<=37	Pass
CP-OFDM 256 QAM	3590.01	Inner_Full	4.90	3.46	7.25	19.22	17.81	21.58	<=37	Pass
		Inner_1RB_Left	18.41	18.86	21.65	32.73	33.21	35.99	<=37	Pass
		Inner_1RB_Right	18.24	19.71	22.05	32.56	34.06	36.38	<=37	Pass
		Edge_1RB_Left	17.28	18.37	20.87	31.60	32.72	35.21	<=37	Pass
		Edge_1RB_Right	18.18	17.46	20.85	32.50	31.81	35.18	<=37	Pass
	3624.99	Outer_Full	0.82	1.83	4.36	15.14	16.18	18.70	<=37	Pass
		Inner_Full	4.35	5.64	8.05	18.67	19.99	22.39	<=37	Pass
		Inner_1RB_Left	18.71	19.26	22.00	33.03	33.61	36.34	<=37	Pass
		Inner_1RB_Right	17.49	17.93	20.73	31.81	32.28	35.06	<=37	Pass
		Edge_1RB_Left	16.41	20.09	21.64	30.73	34.44	35.98	<=37	Pass
	3660	Edge_1RB_Right	17.29	18.92	21.19	31.61	33.27	35.53	<=37	Pass
		Outer_Full	1.29	2.58	4.99	15.61	16.93	19.33	<=37	Pass
		Inner_Full	5.07	3.47	7.35	19.39	17.82	21.69	<=37	Pass
		Inner_1RB_Left	18.90	18.90	21.91	33.22	33.25	36.25	<=37	Pass
		Inner_1RB_Right	16.65	17.07	19.88	30.97	31.42	34.21	<=37	Pass
3660	Edge_1RB_Left	17.68	17.75	20.73	32.00	32.10	35.06	<=37	Pass	
	Edge_1RB_Right	18.75	18.02	21.41	33.07	32.37	35.74	<=37	Pass	
	Outer_Full	1.09	1.33	4.22	15.41	15.68	18.56	<=37	Pass	
	Inner_Full	2.85	4.30	6.65	17.17	18.65	20.98	<=37	Pass	
	Inner_1RB_Left	16.95	17.39	20.19	31.27	31.74	34.52	<=37	Pass	
		Inner_1RB_Right	18.88	20.07	22.53	33.20	34.42	36.86	<=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



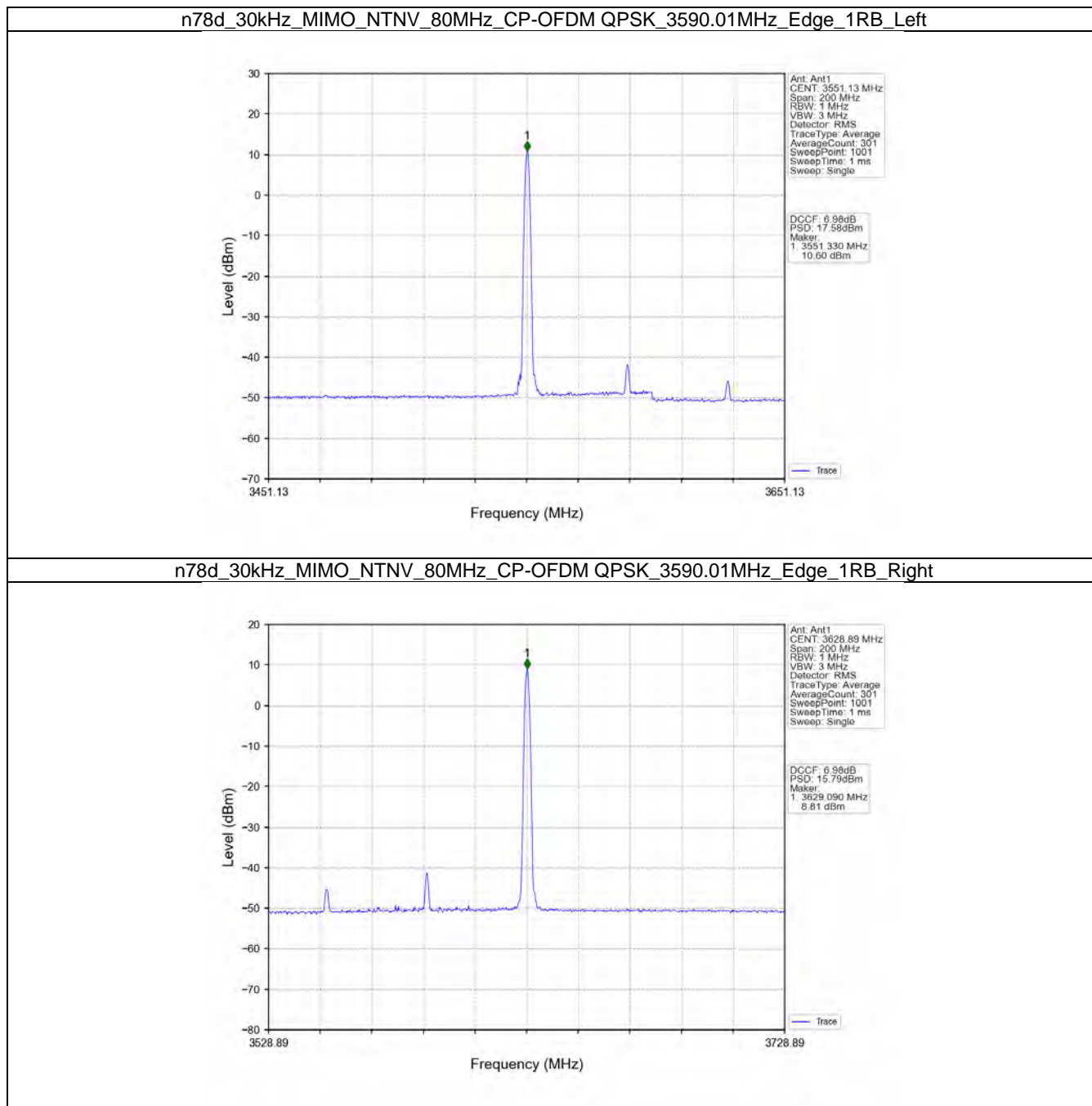
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## 2.27.2 Test Graph for ANT1



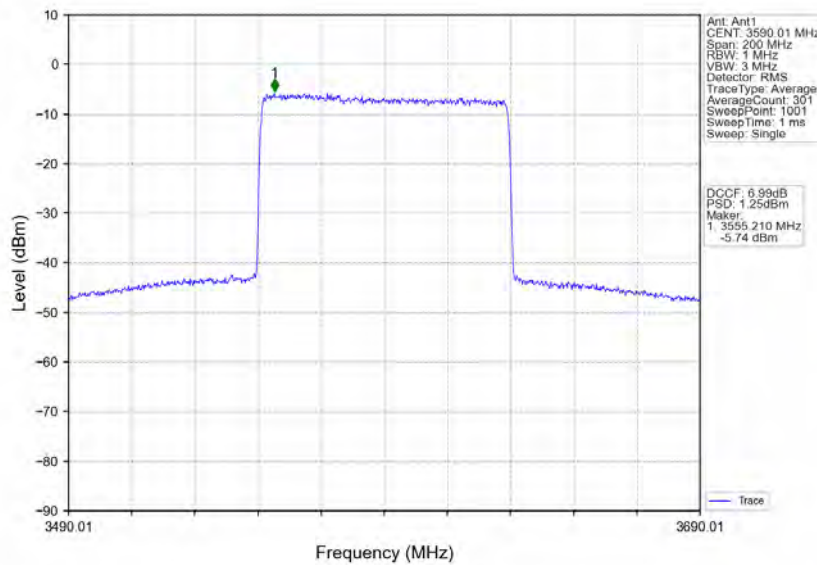
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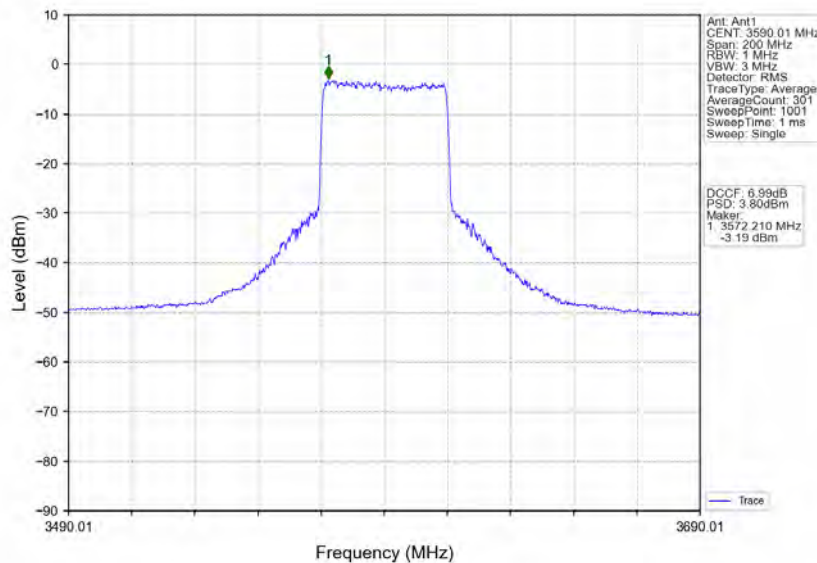
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n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM QPSK\_3590.01MHz\_Outer\_Full



n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM QPSK\_3590.01MHz\_Inner\_Full



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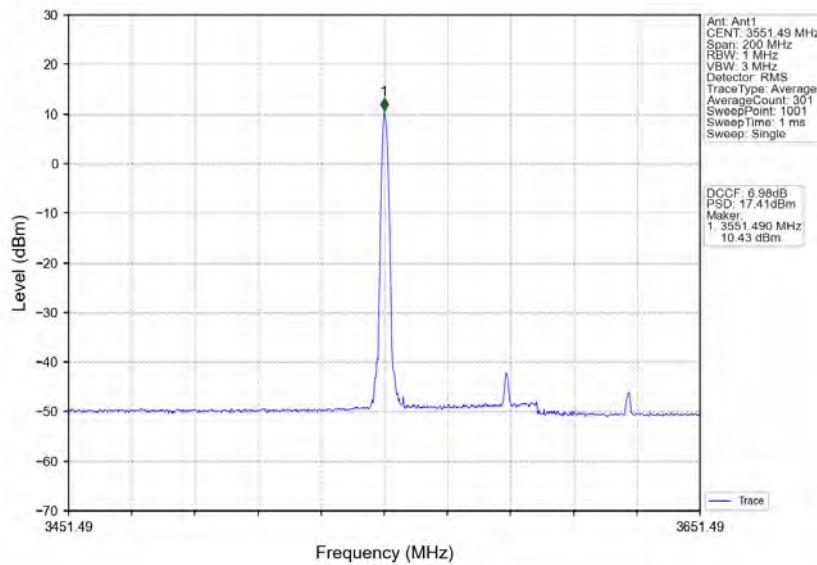
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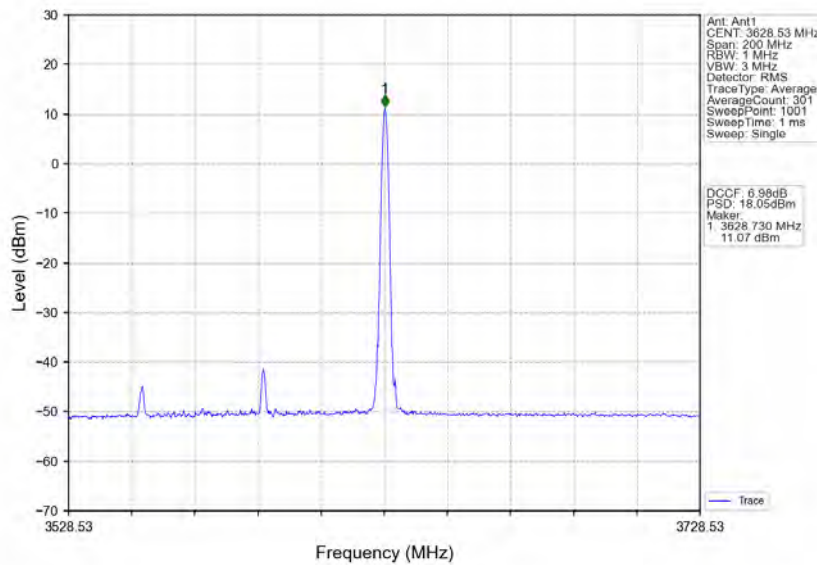
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n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM QPSK\_3590.01MHz\_Inner\_1RB\_Left



n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM QPSK\_3590.01MHz\_Inner\_1RB\_Right



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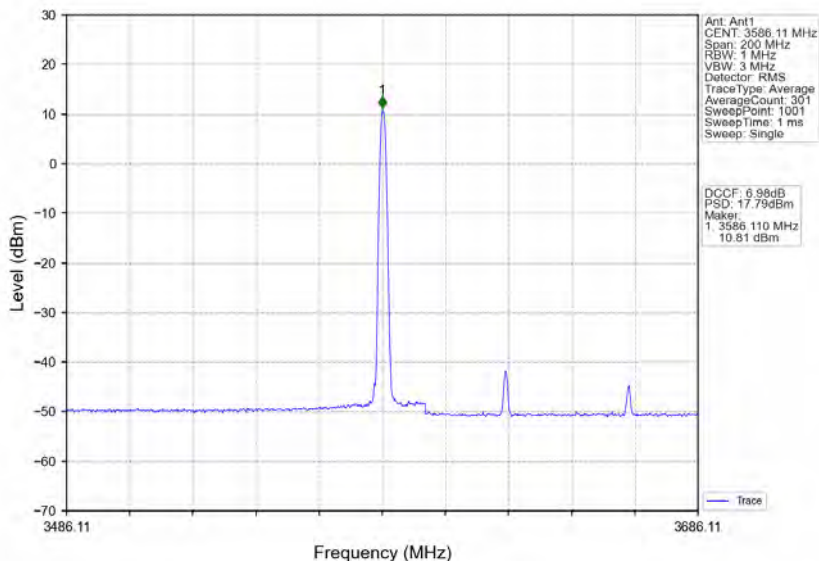
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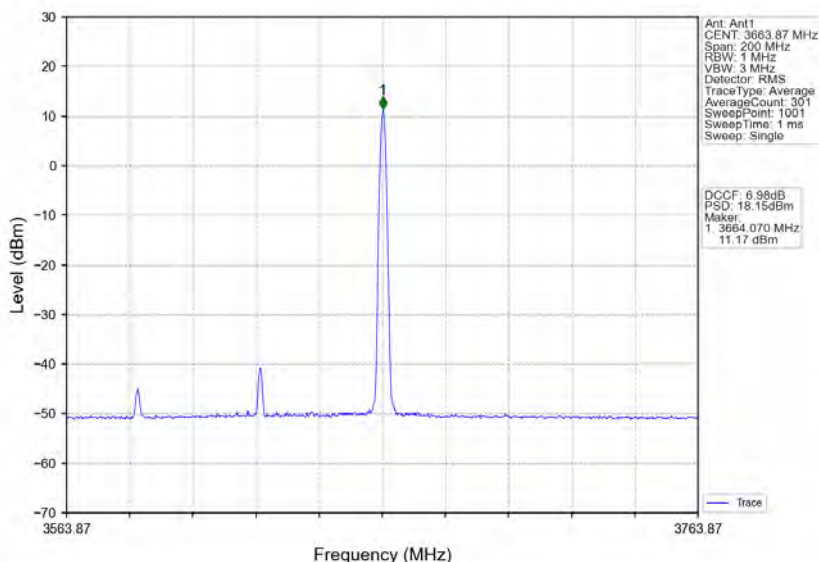
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n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM QPSK\_3624.99MHz\_Edge\_1RB\_Left



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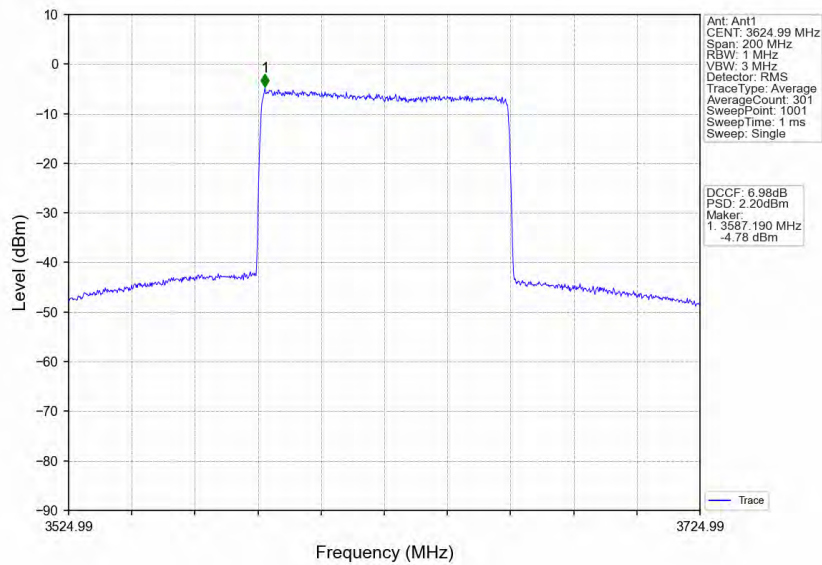
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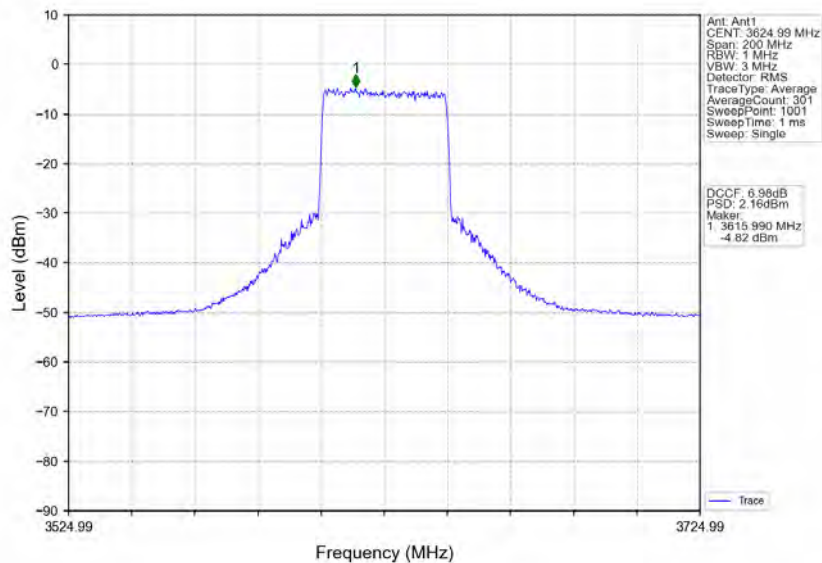
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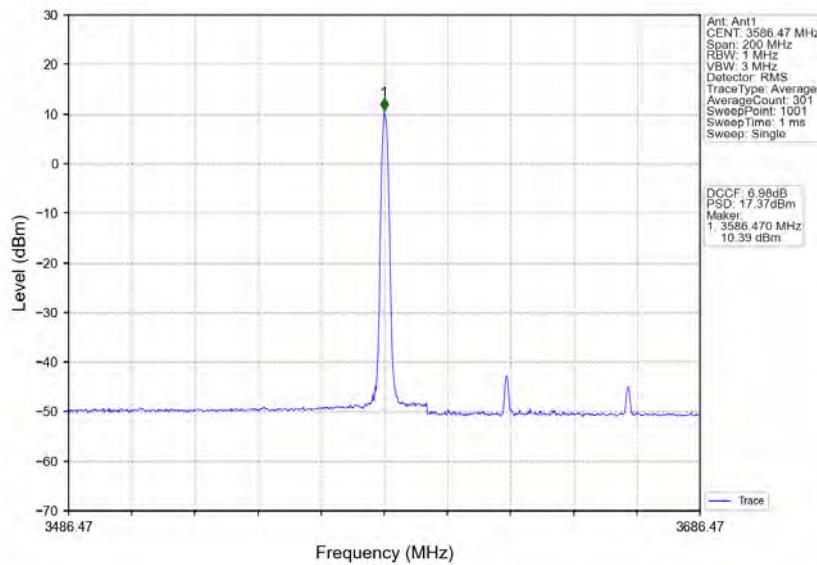
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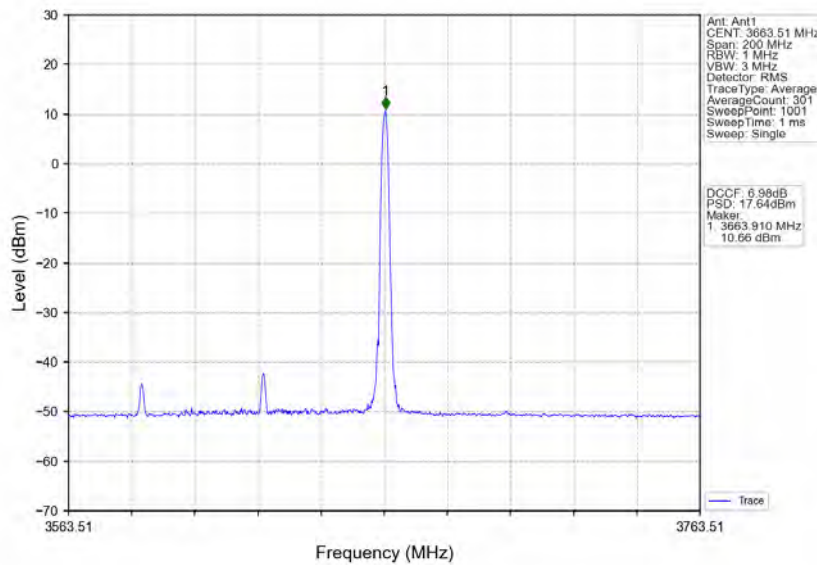
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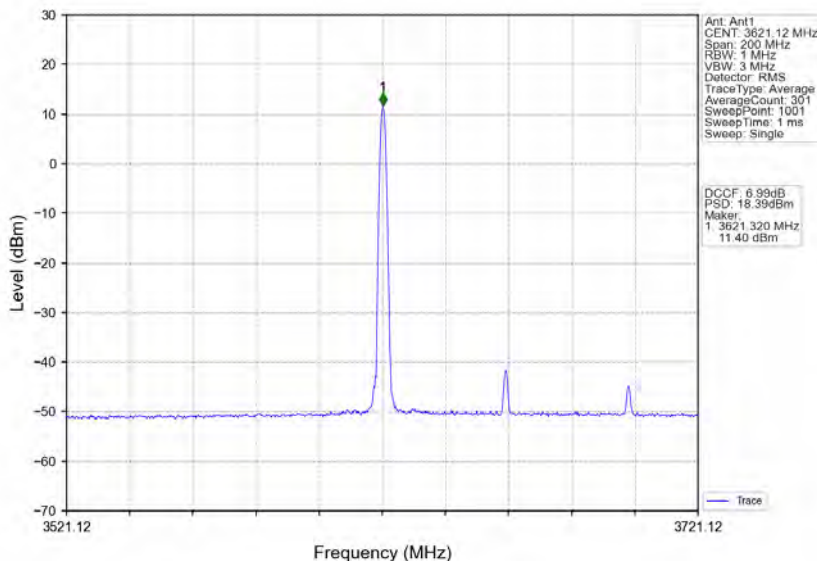
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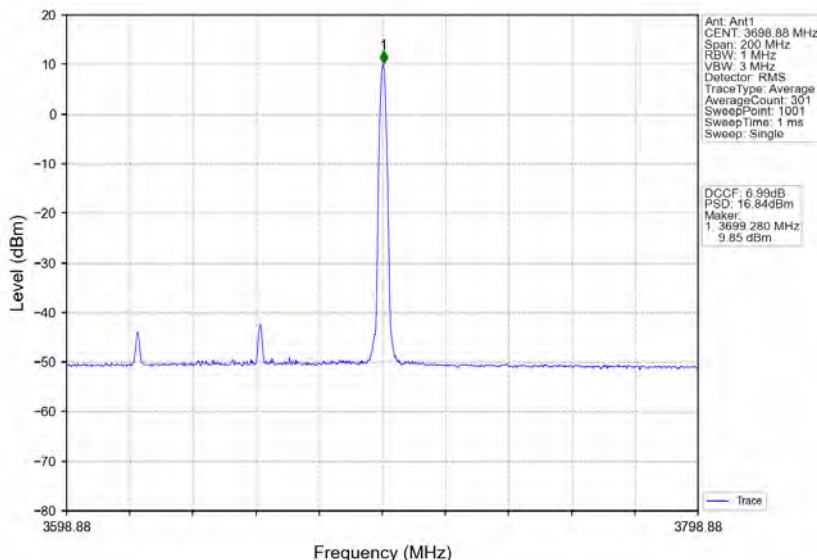
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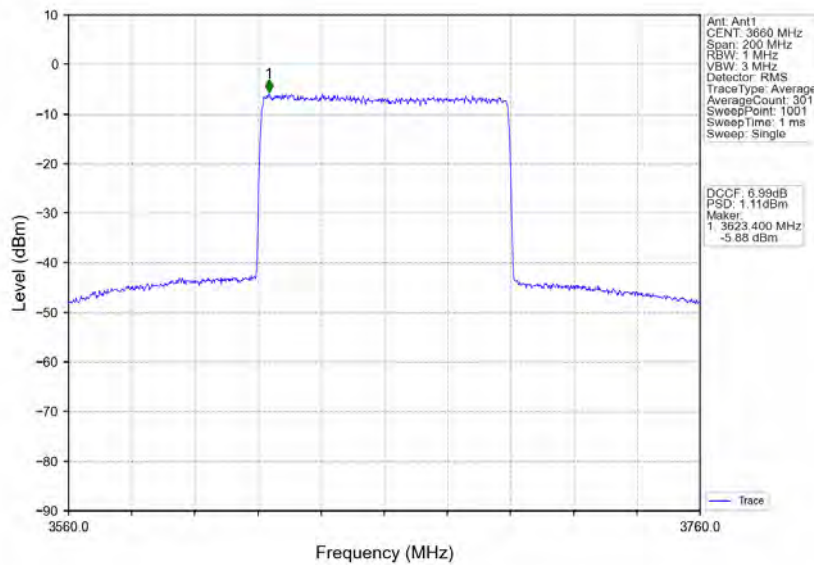
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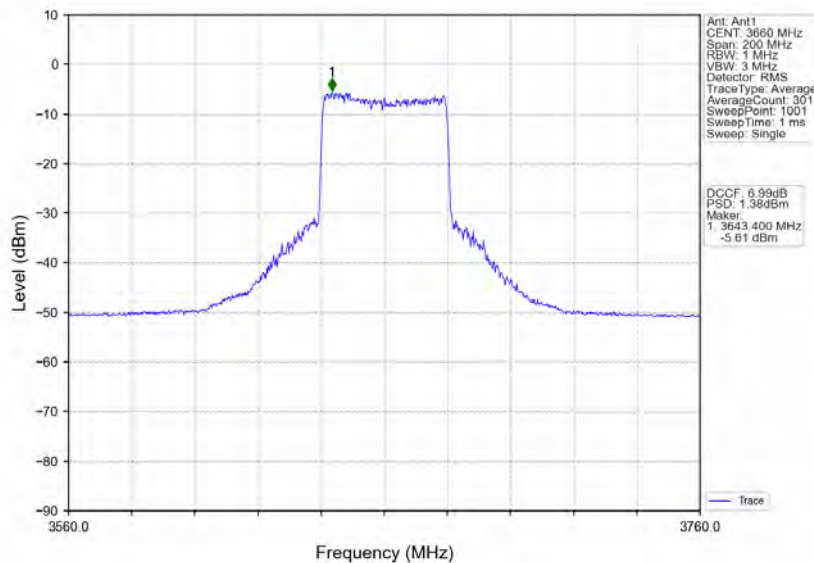
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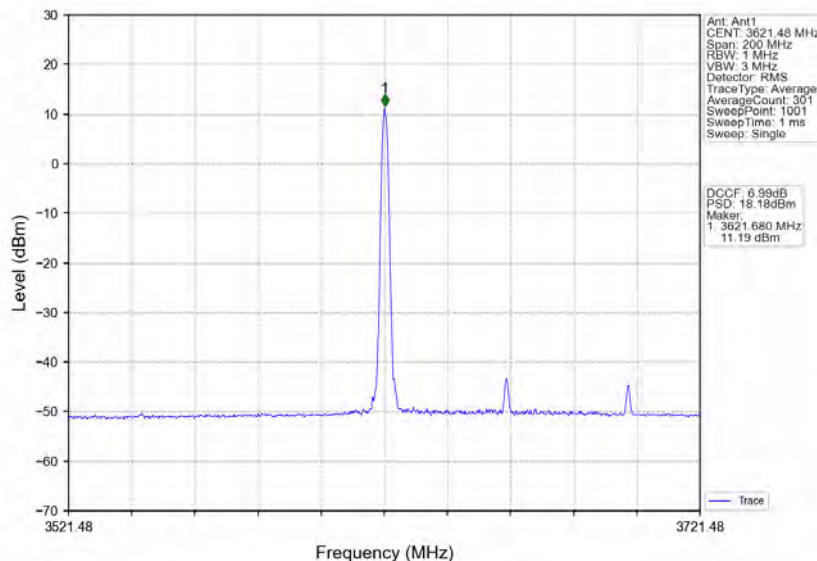
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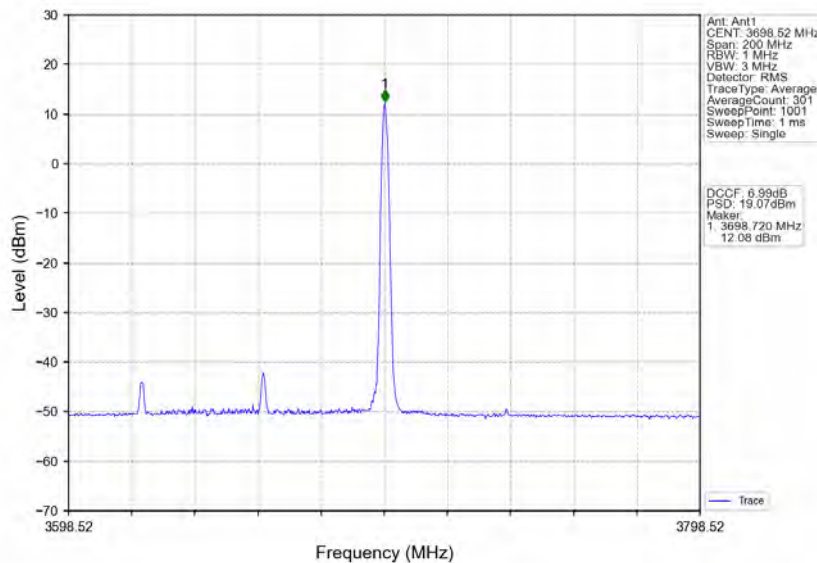
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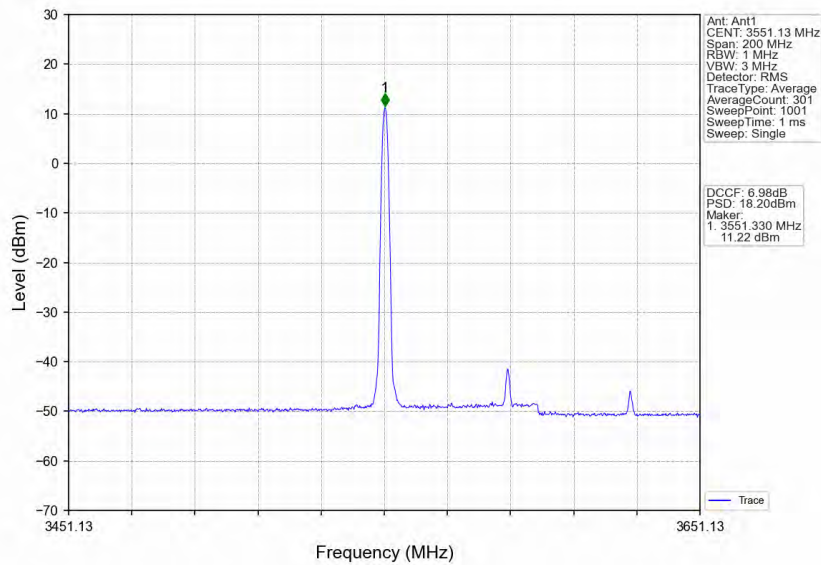
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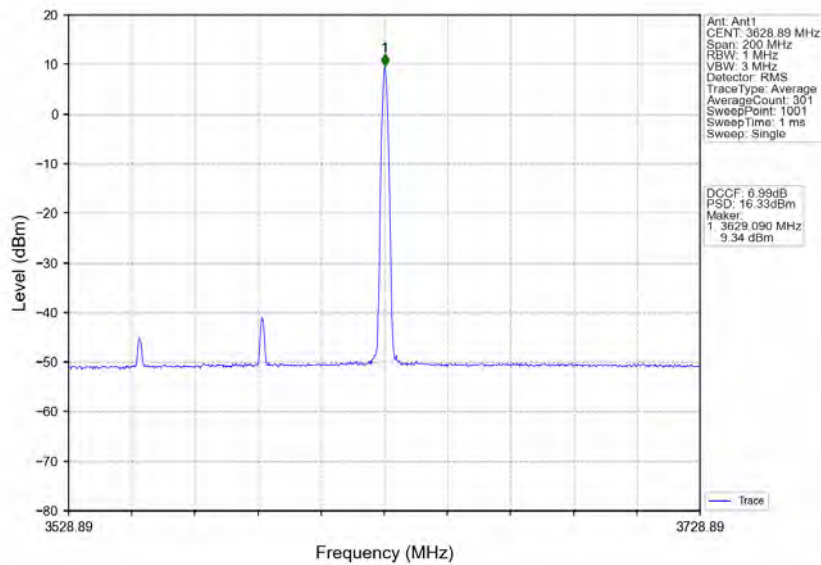
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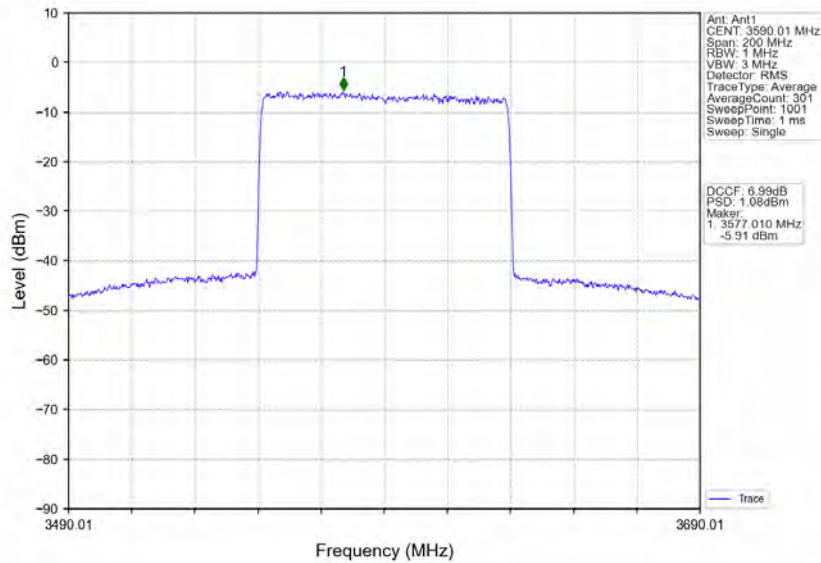
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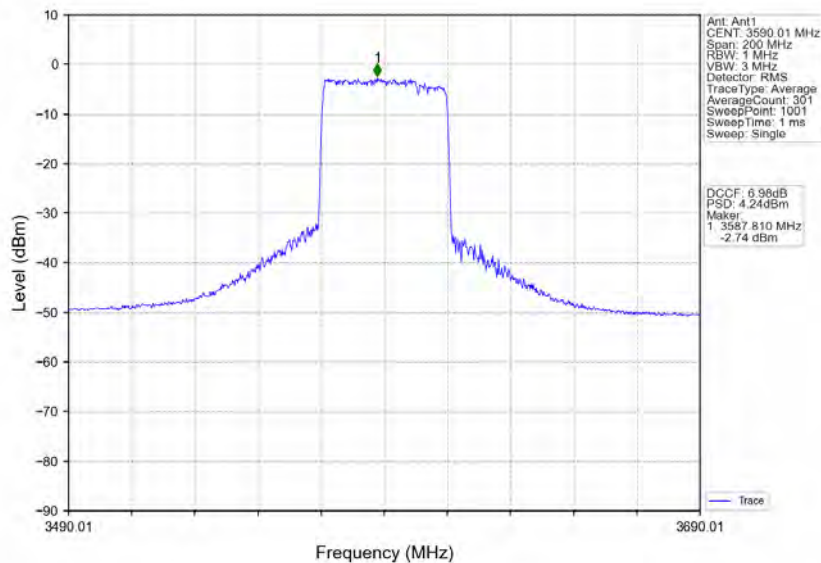
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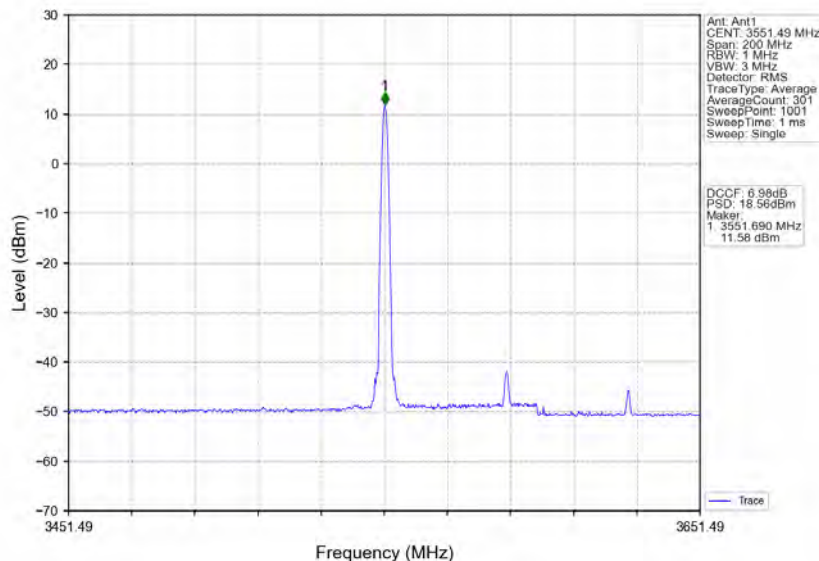
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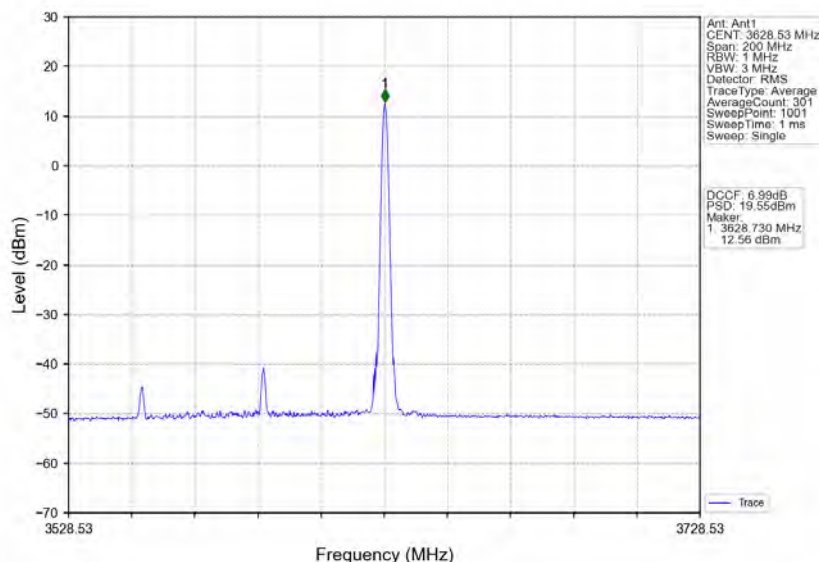
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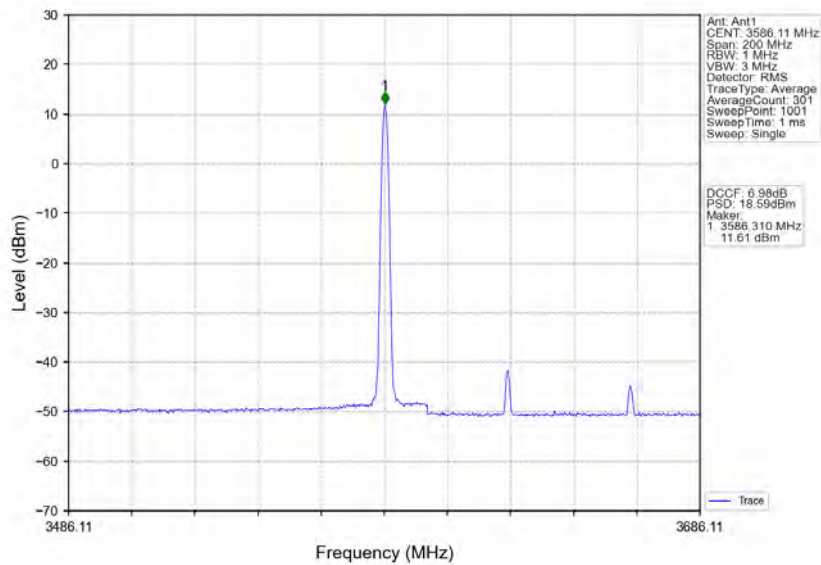
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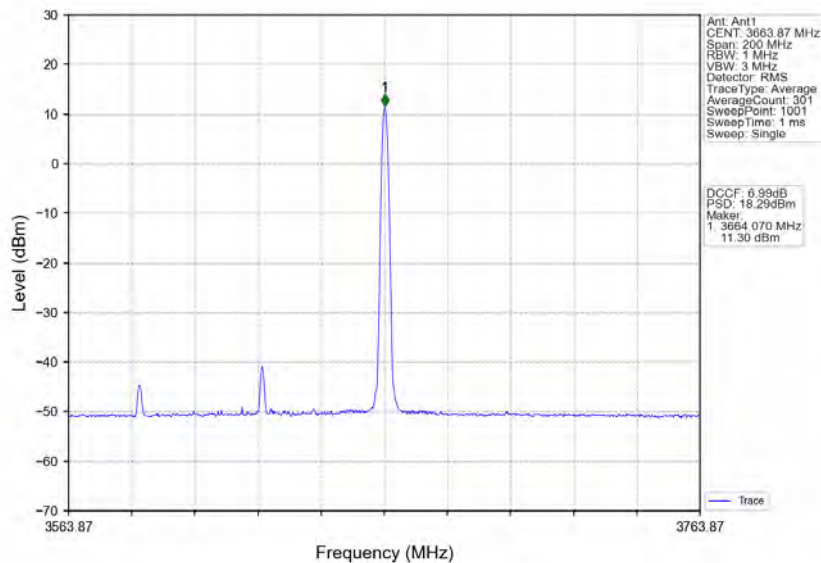
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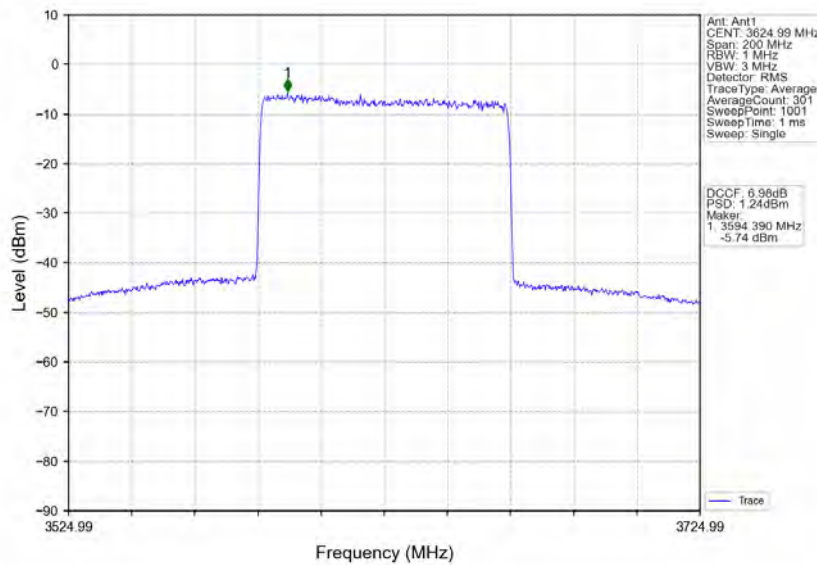
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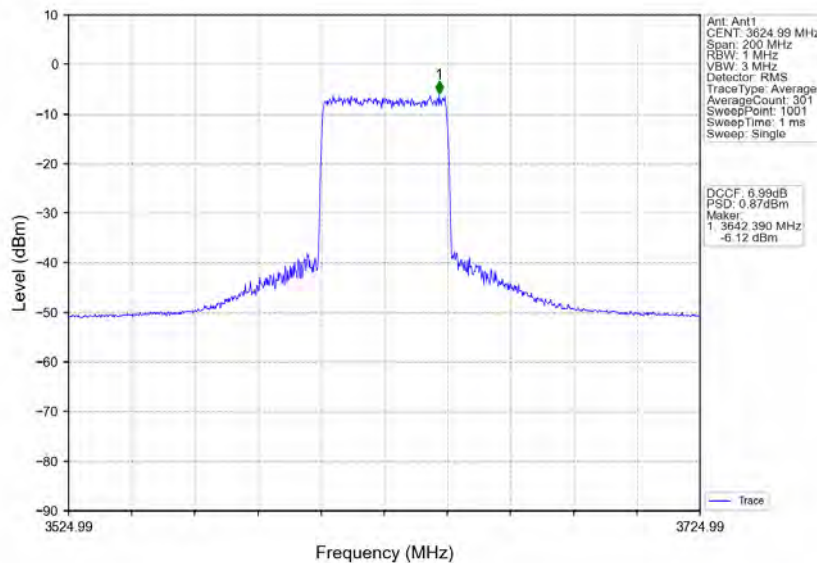
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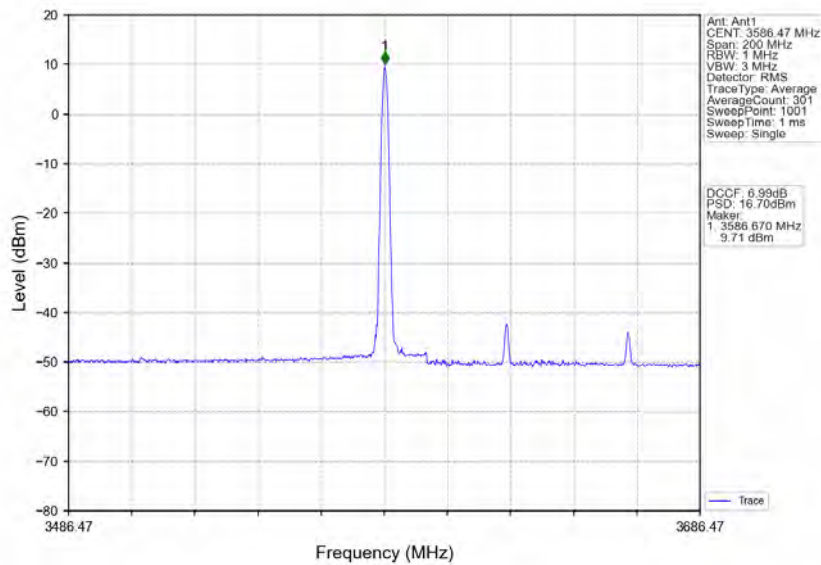
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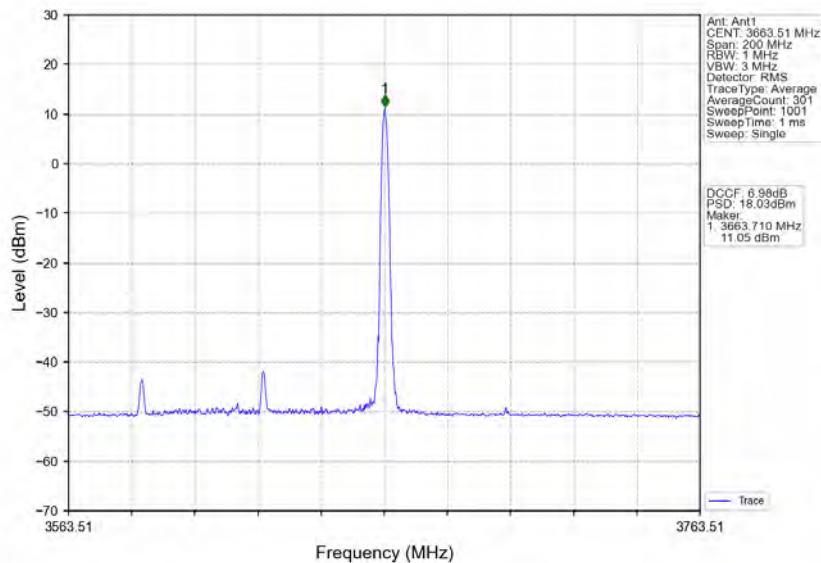
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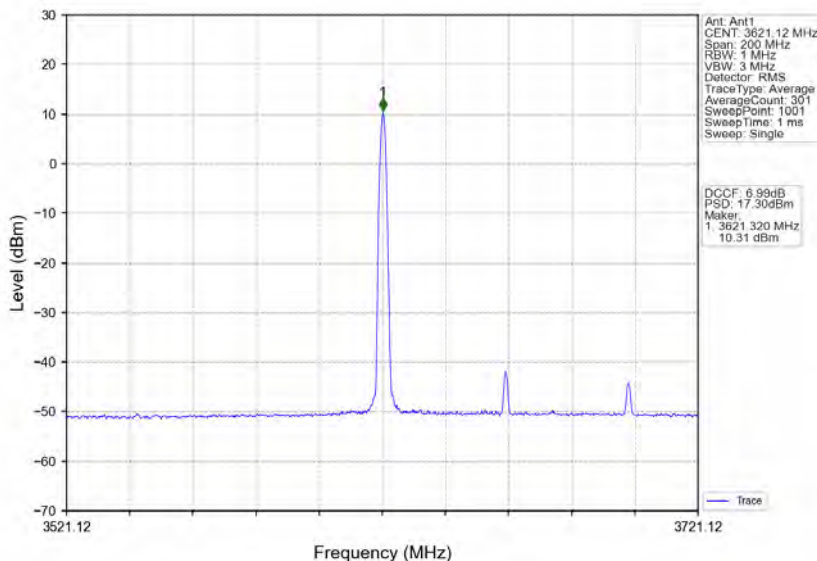
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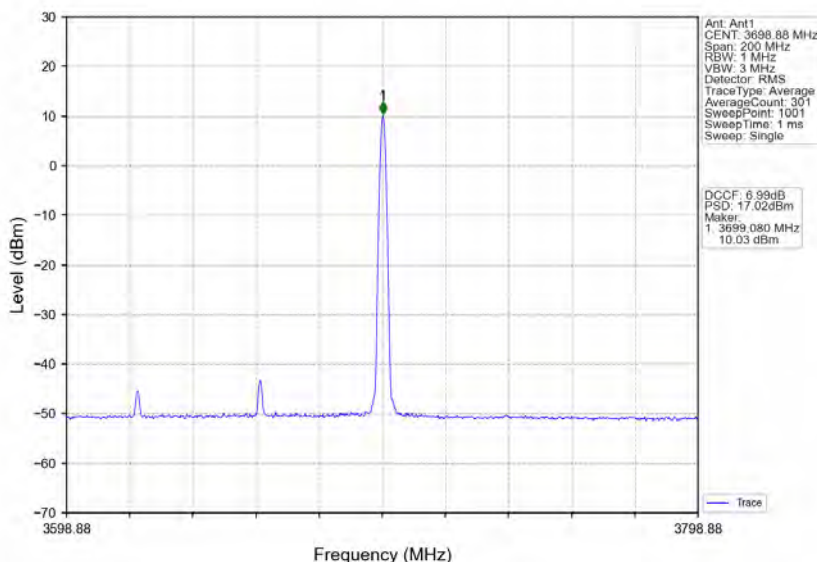
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n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM\_16 QAM\_3660MHz\_Edge\_1RB\_Left



n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM\_16 QAM\_3660MHz\_Edge\_1RB\_Right



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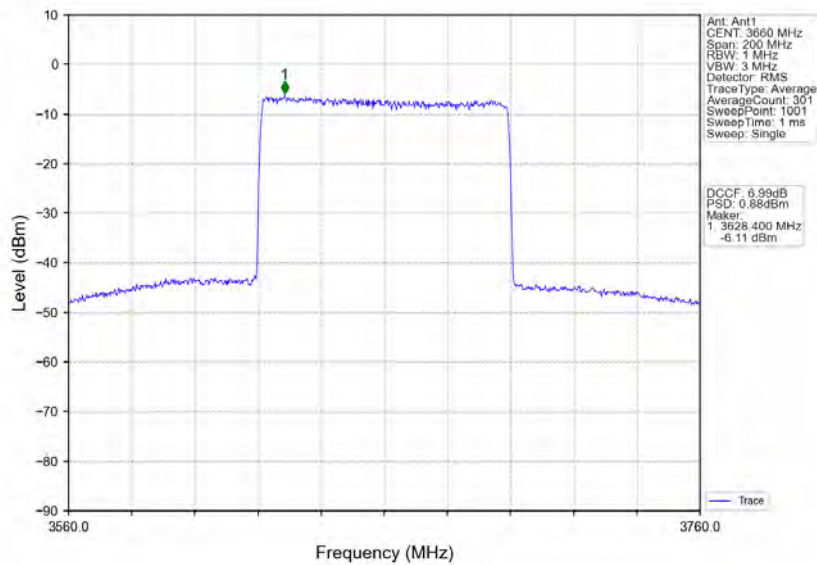
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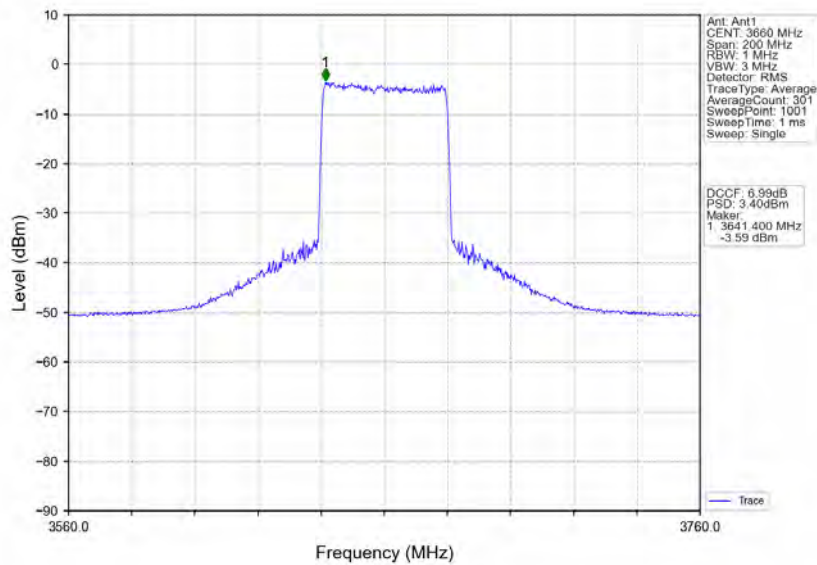
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n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM 16 QAM\_3660MHz\_Outer\_Full



n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM 16 QAM\_3660MHz\_Inner\_Full



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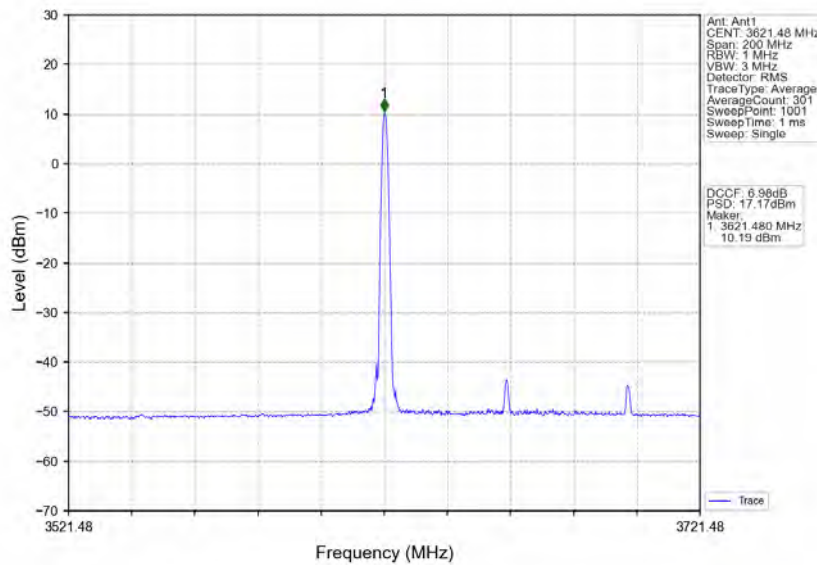
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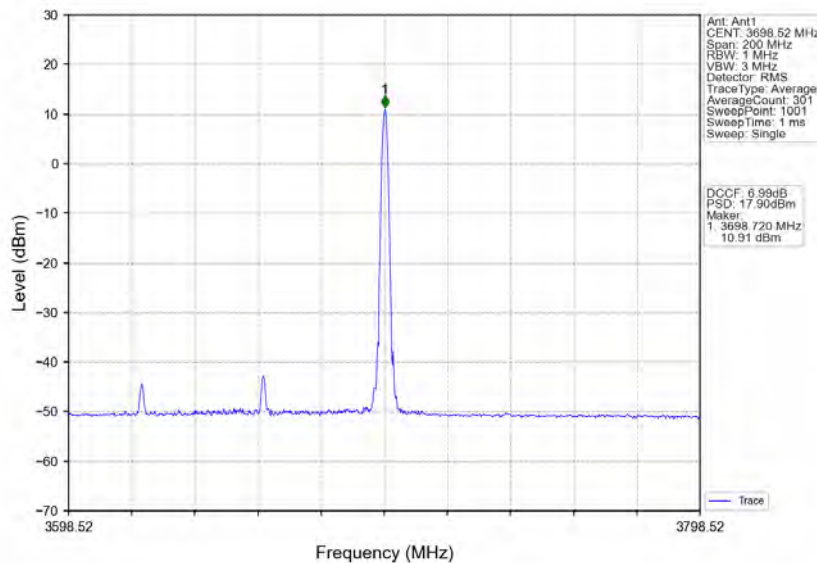
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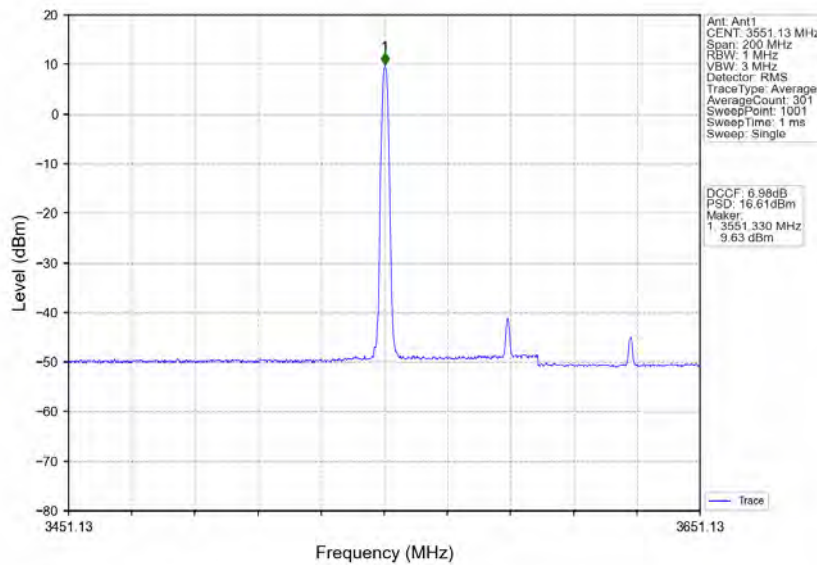
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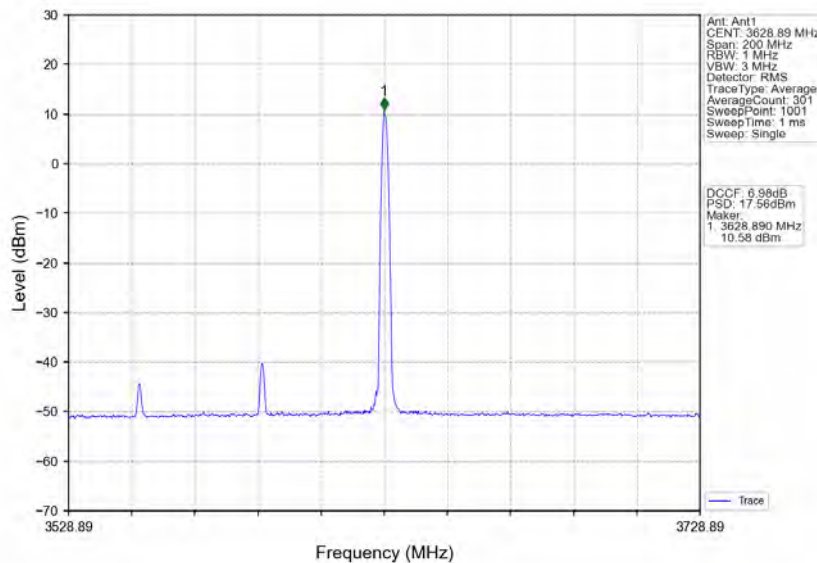
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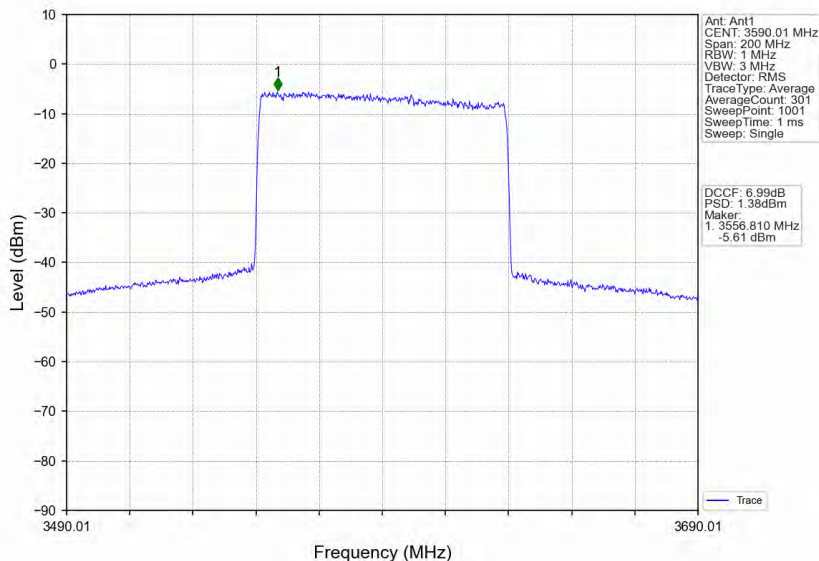
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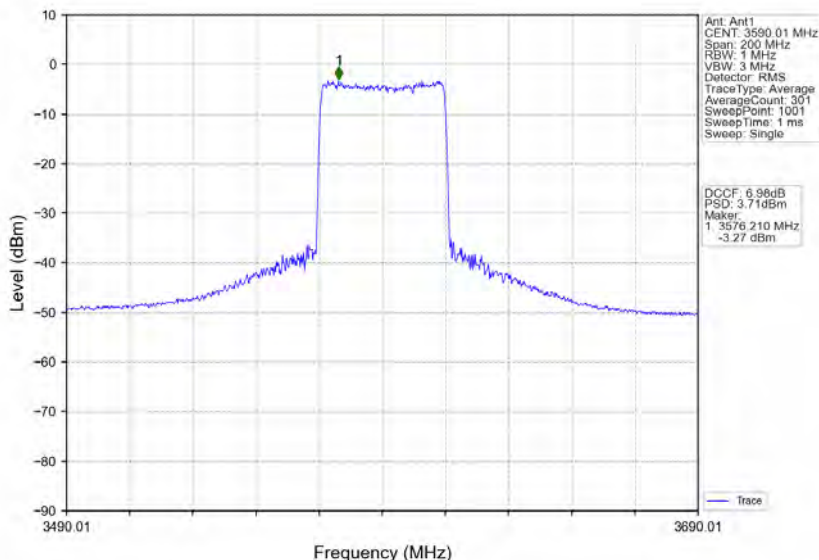
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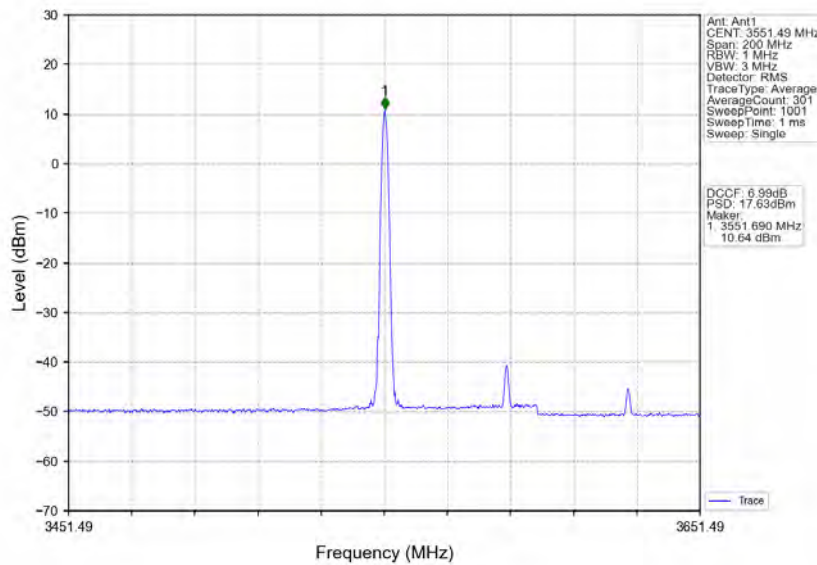
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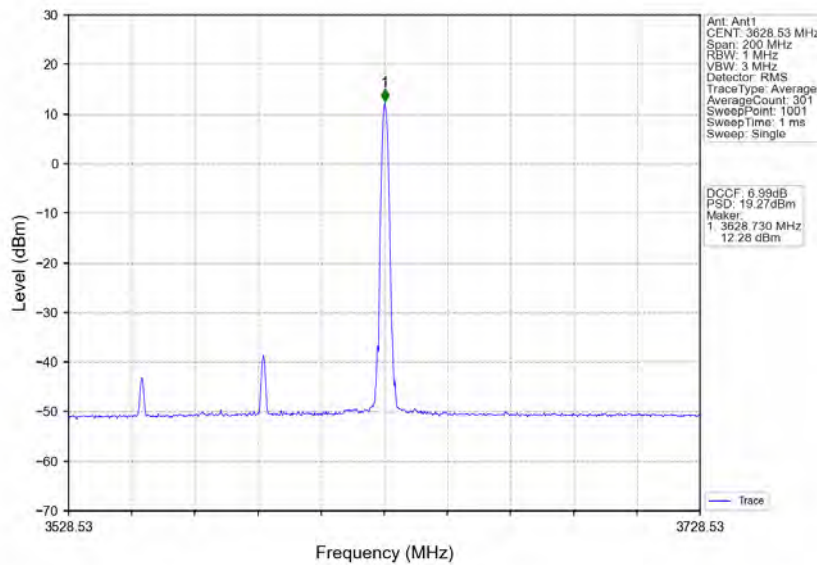
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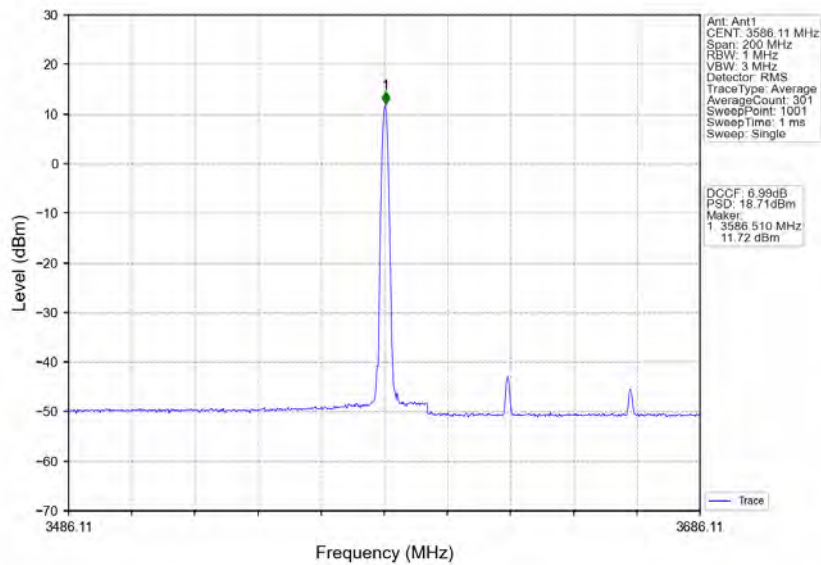
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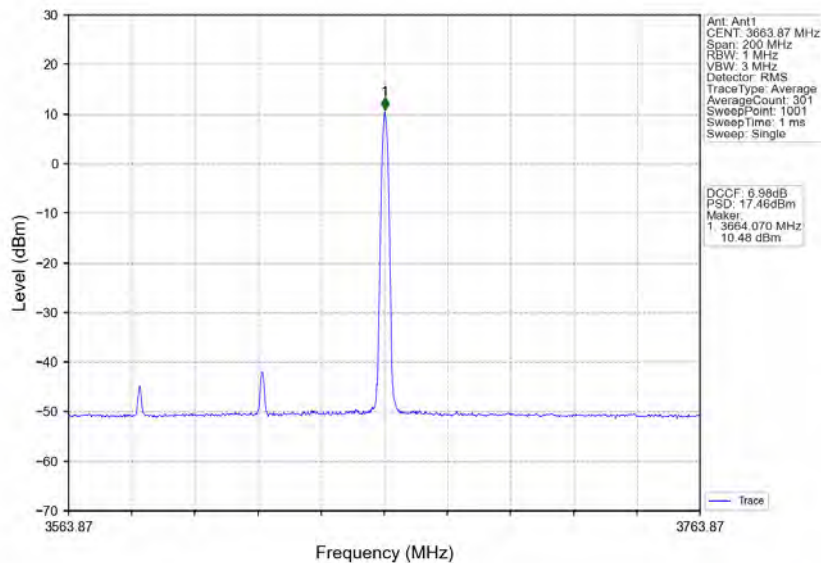
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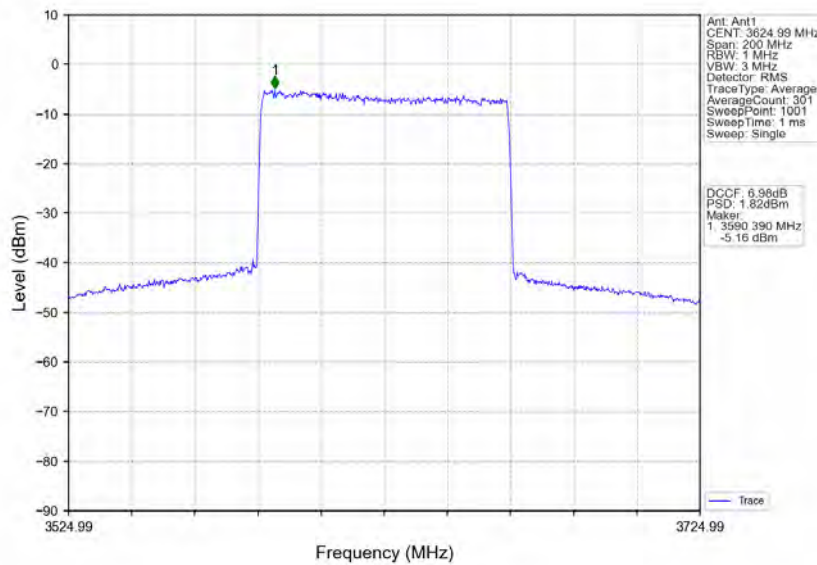
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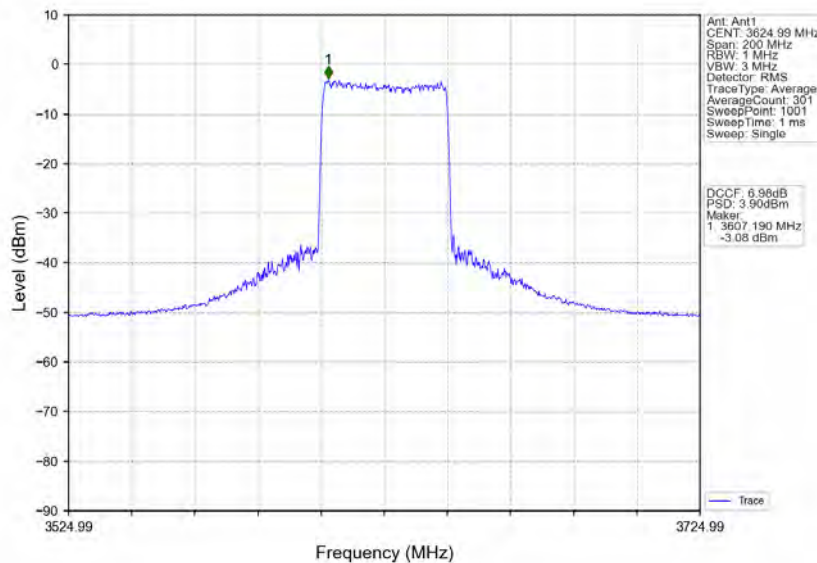
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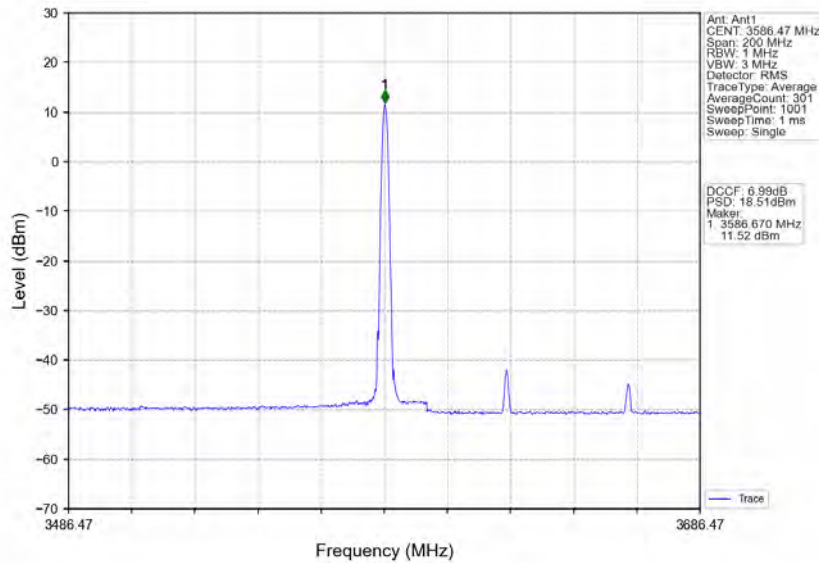
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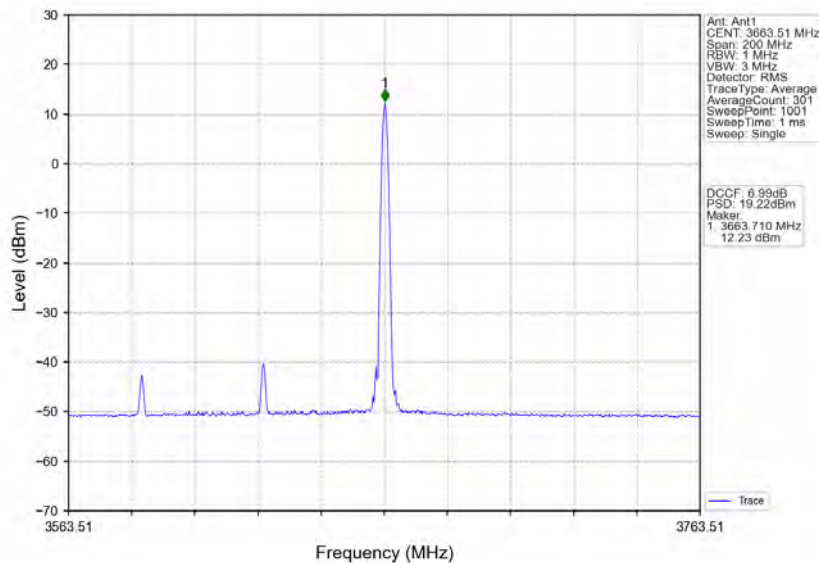
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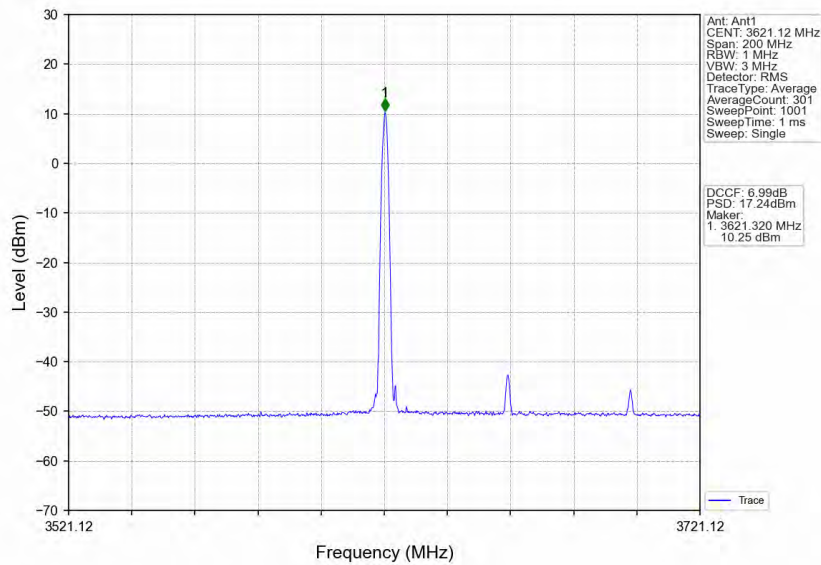
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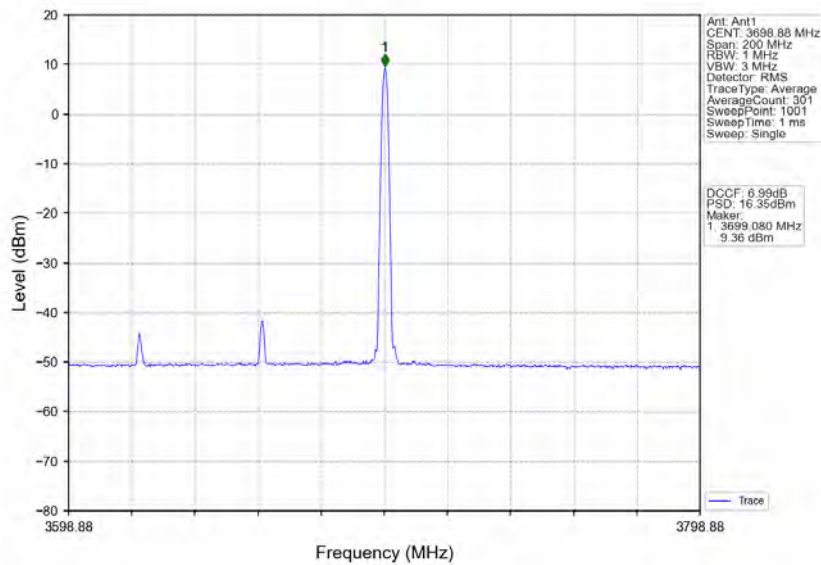
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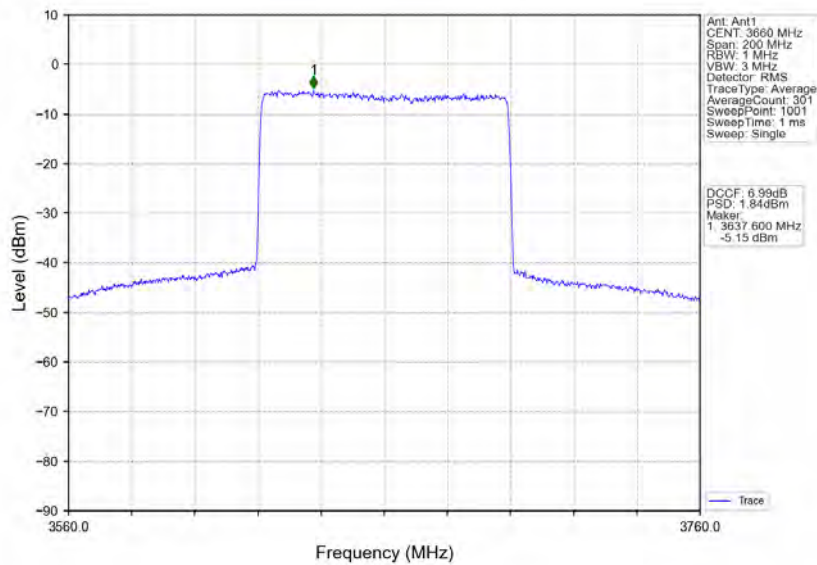
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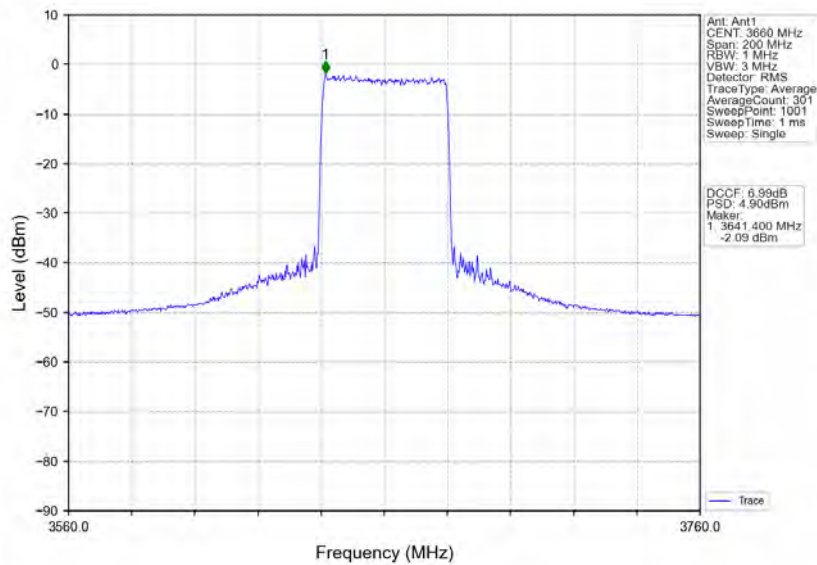
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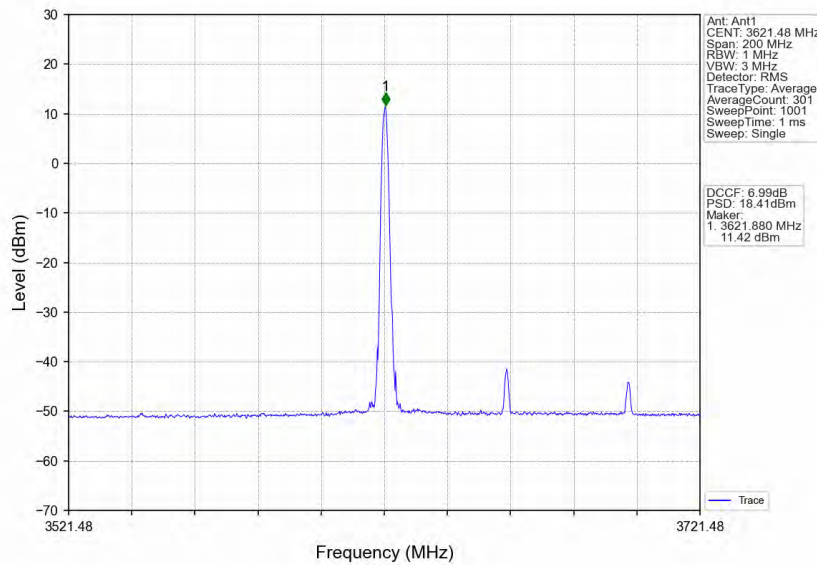
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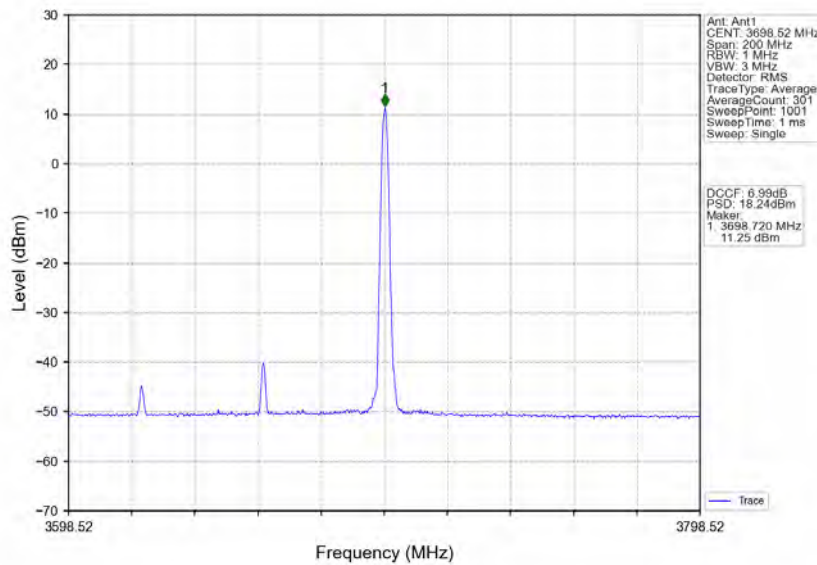
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n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM 64 QAM\_3660MHz\_Inner\_1RB\_Left



n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM 64 QAM\_3660MHz\_Inner\_1RB\_Right



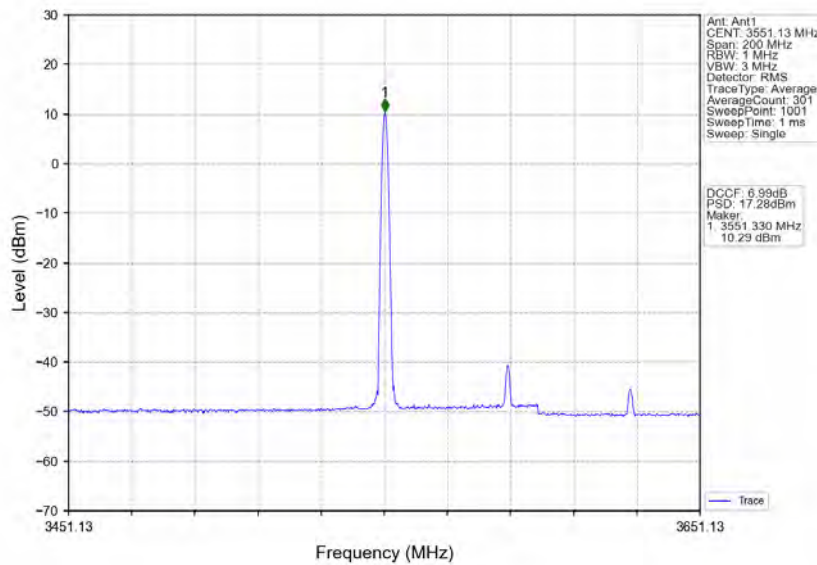
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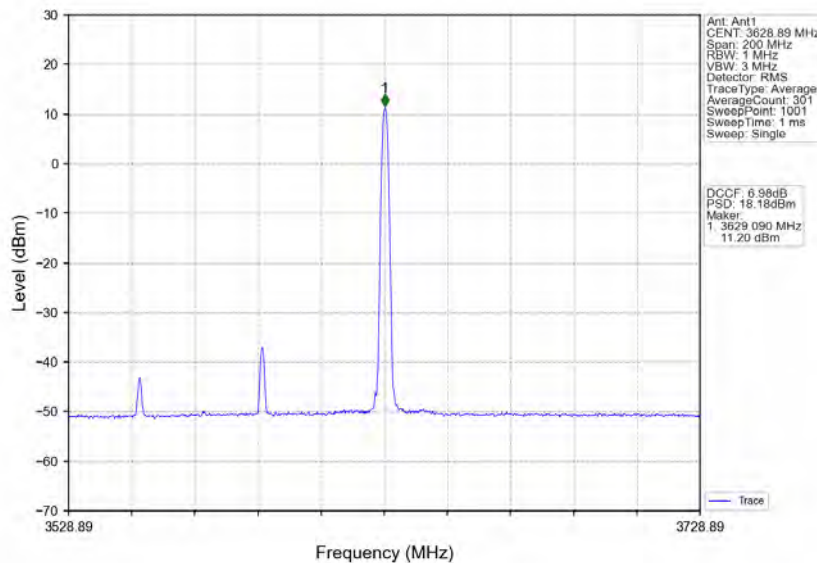
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n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM 256 QAM\_3590.01MHz\_Edge\_1RB\_Left



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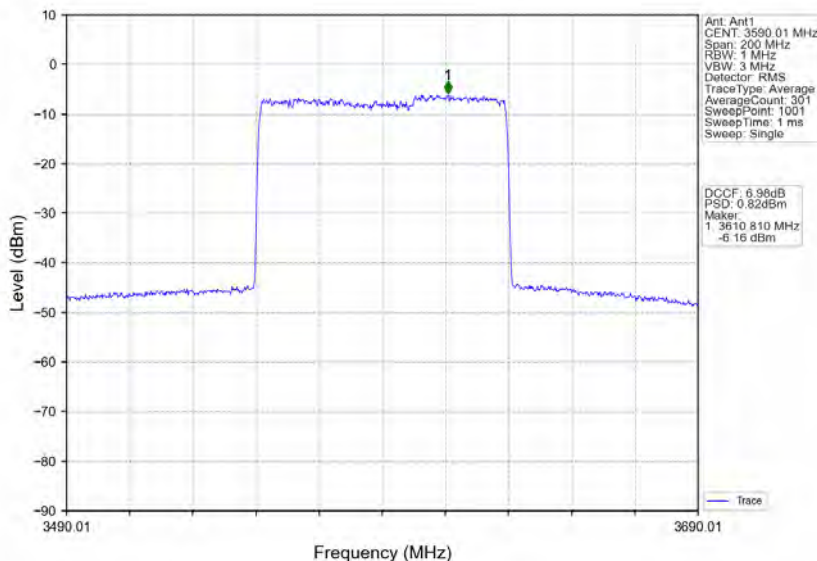
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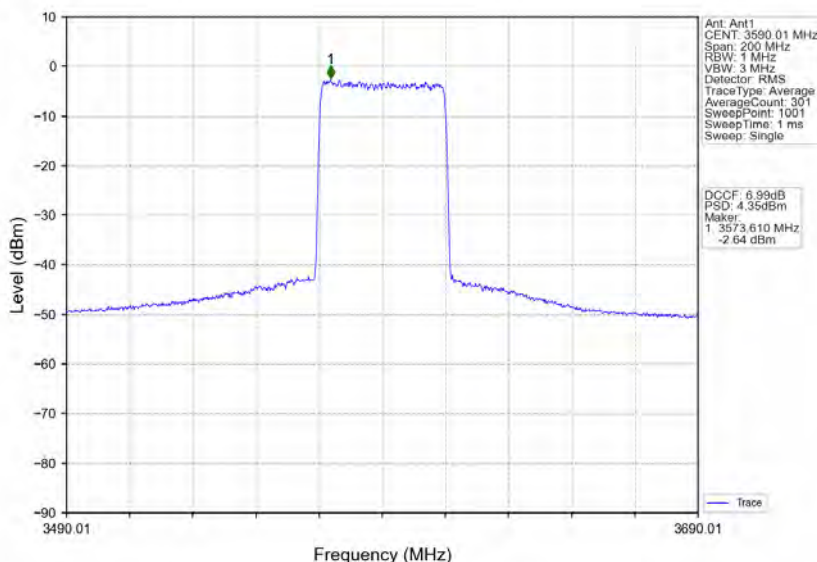
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n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM\_256\_QAM\_3590.01MHz\_Outer\_Full



n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM\_256\_QAM\_3590.01MHz\_Inner\_Full



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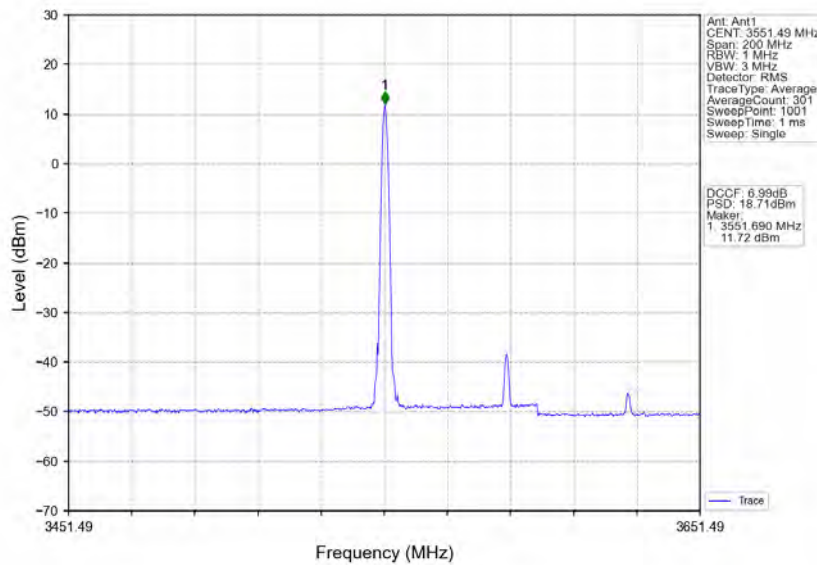
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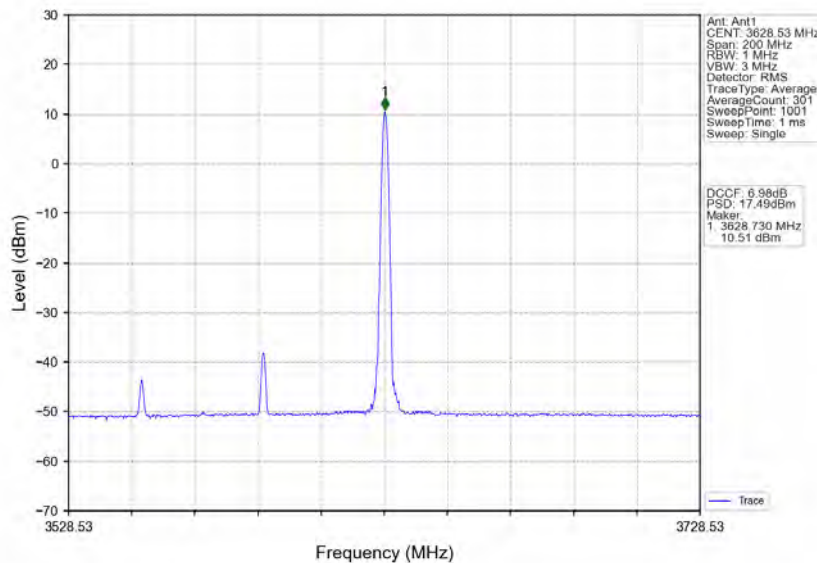
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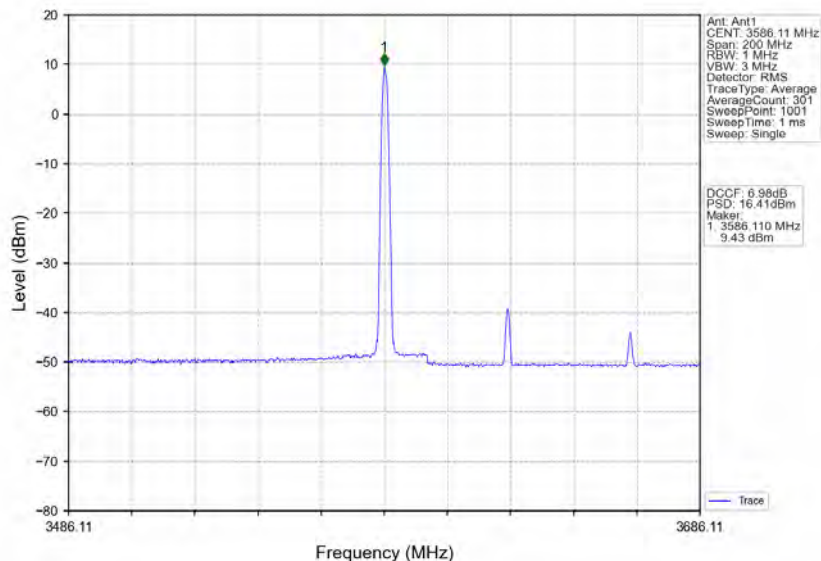
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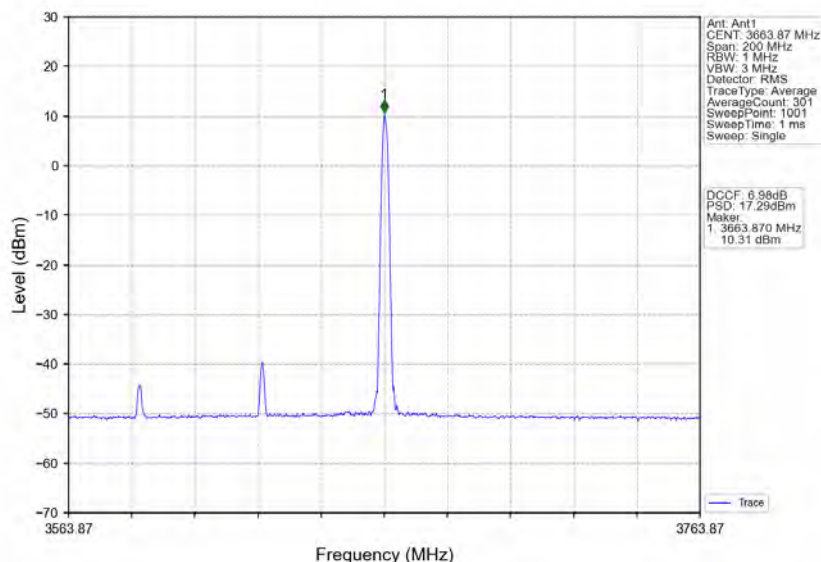
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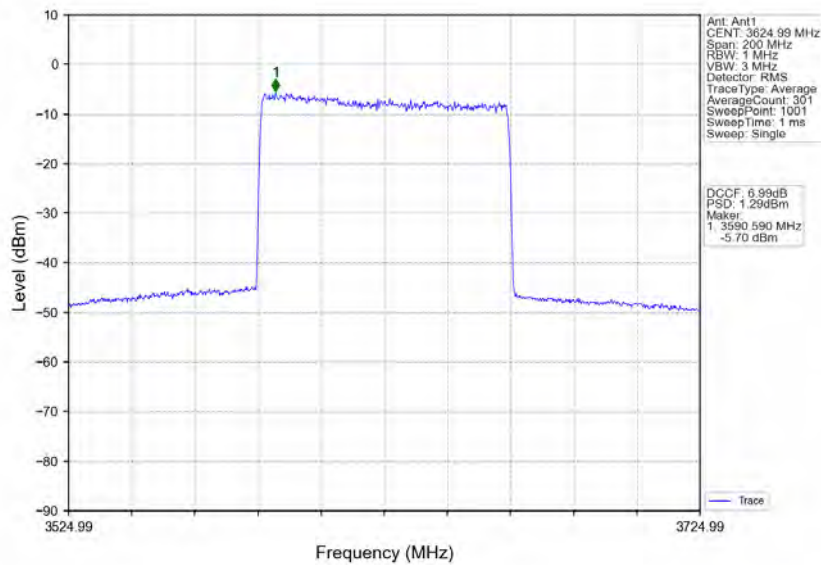
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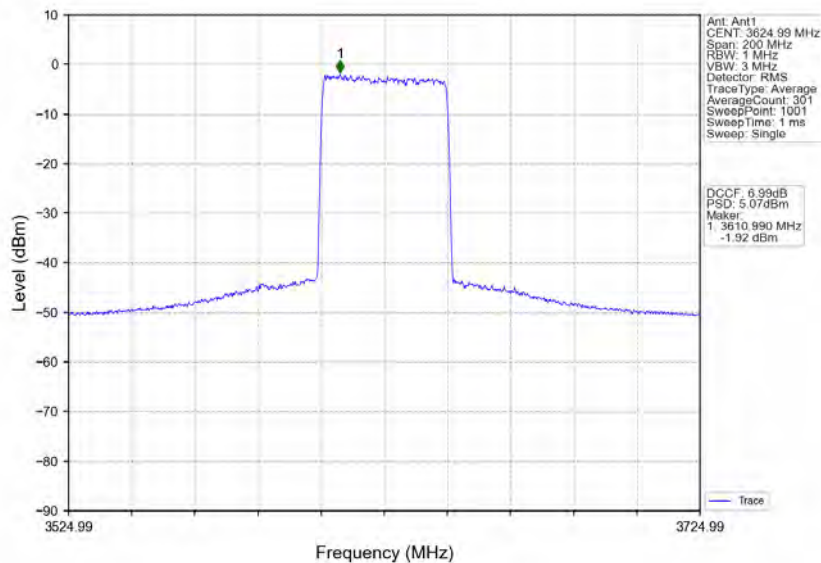
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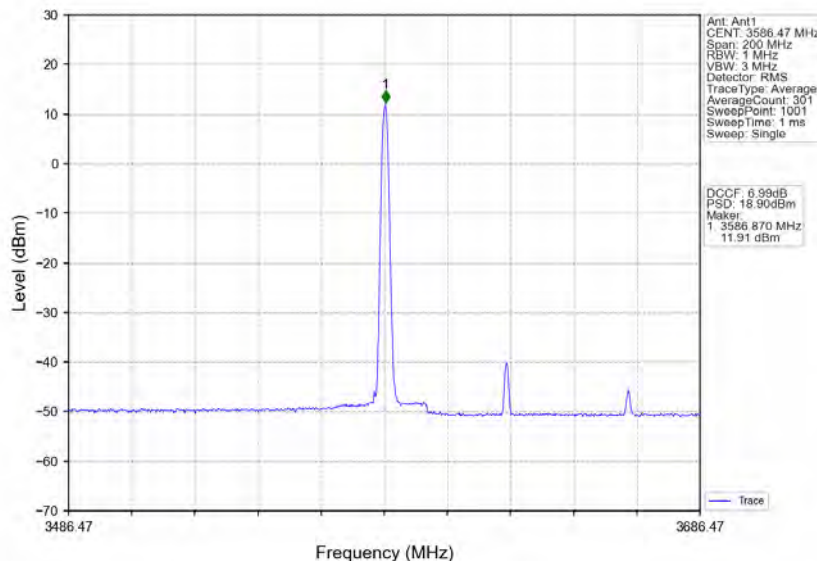
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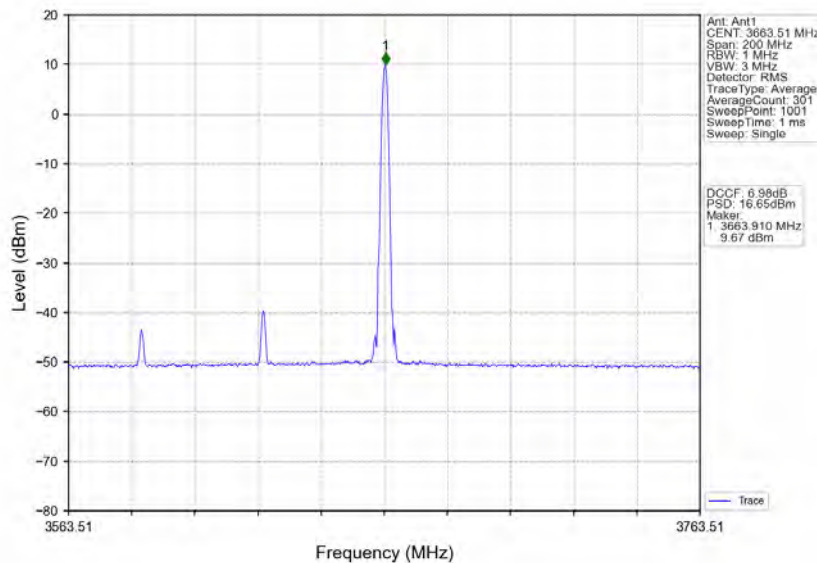
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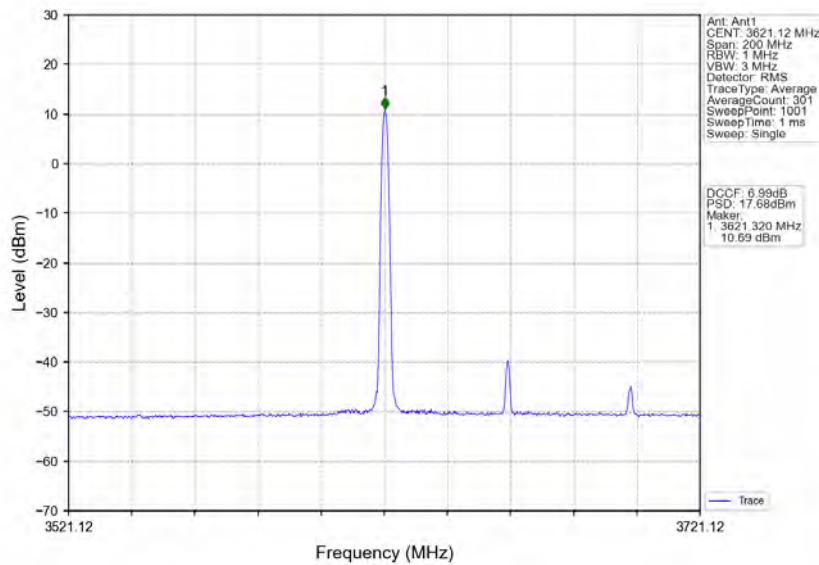
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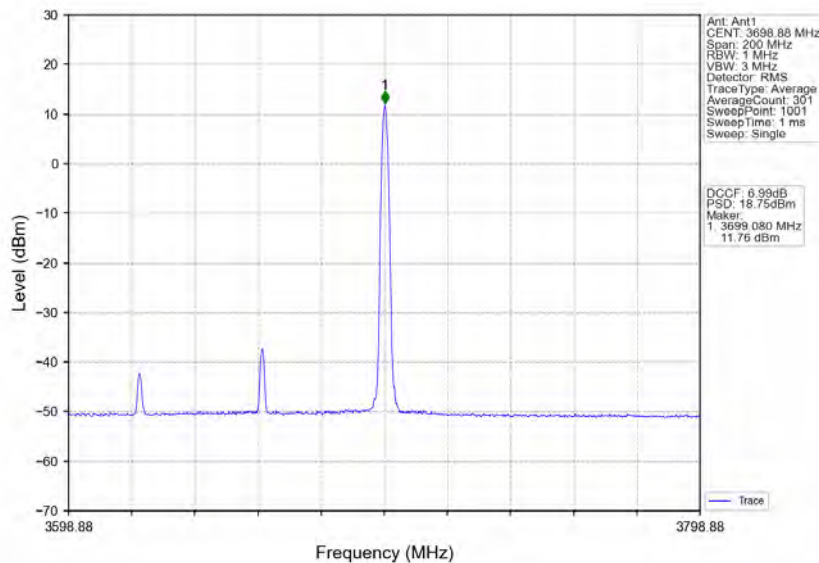
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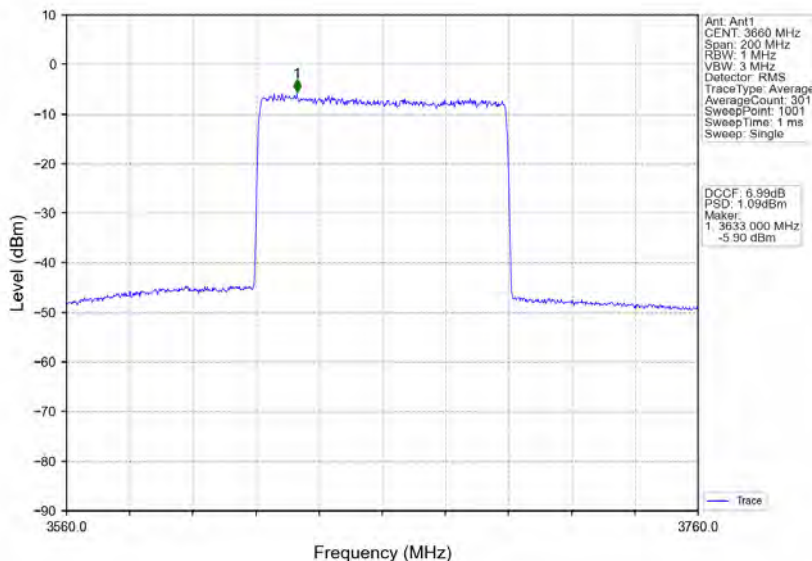
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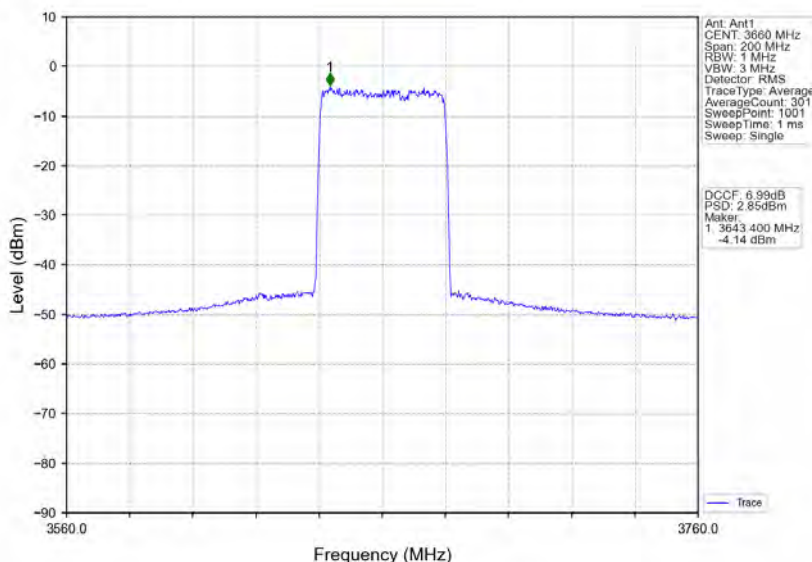
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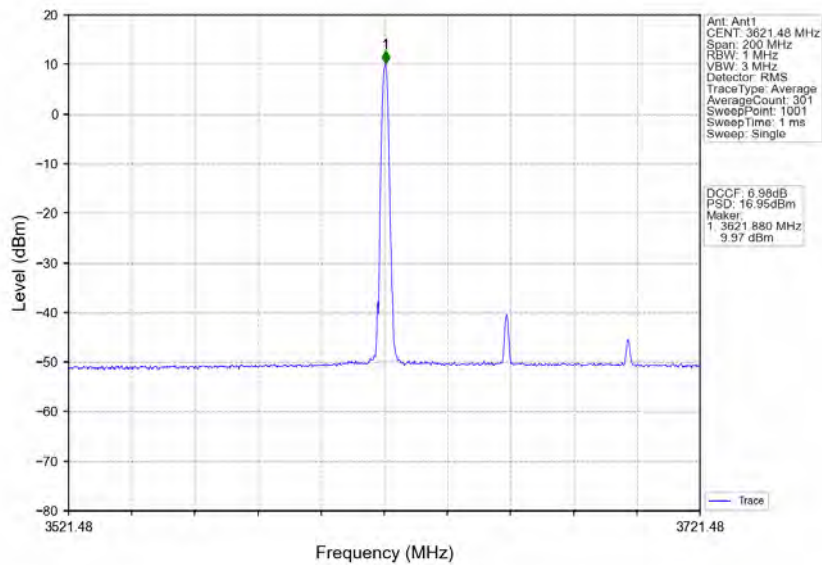
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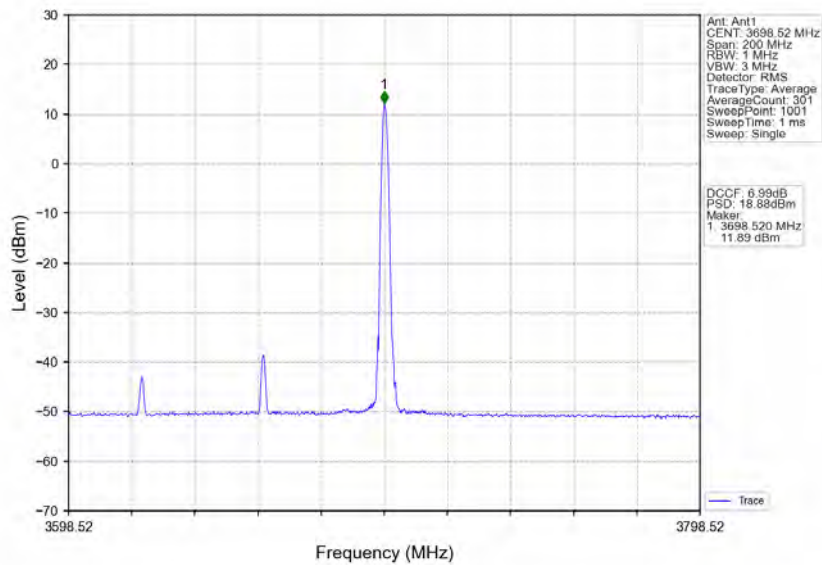
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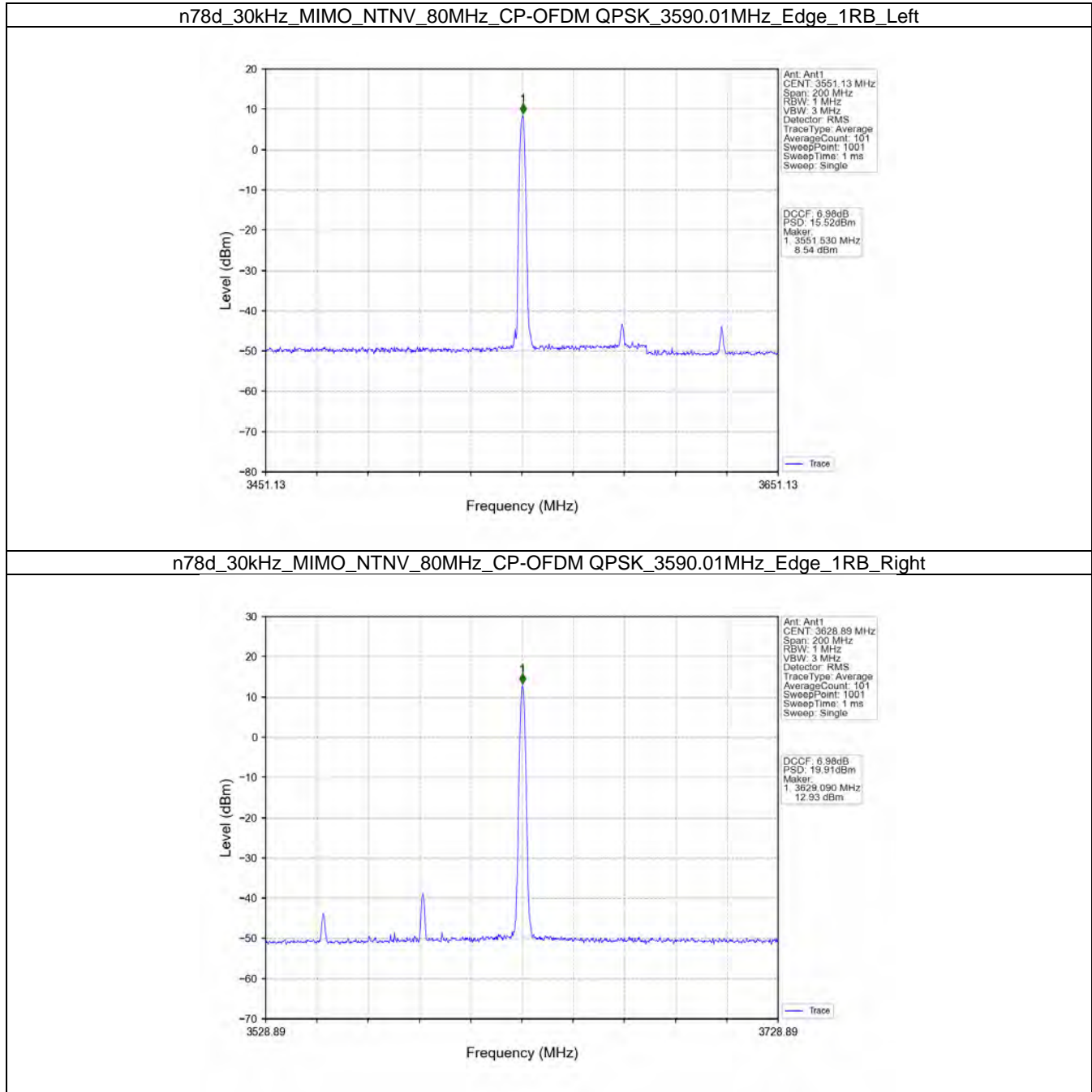
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2.27.3 Test Graph for ANT2



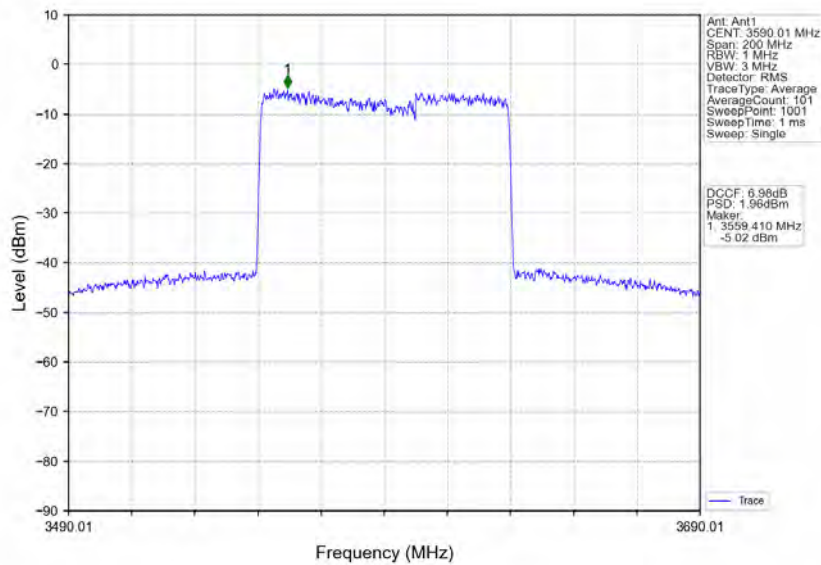
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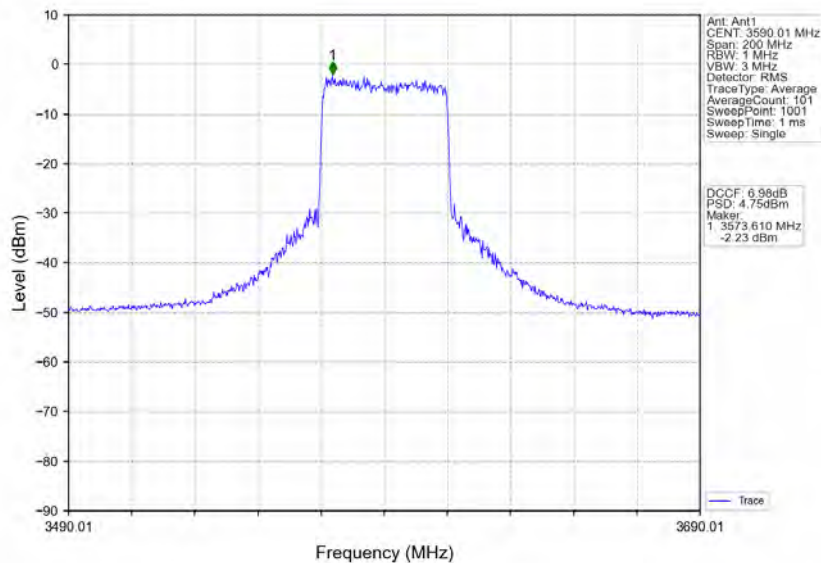
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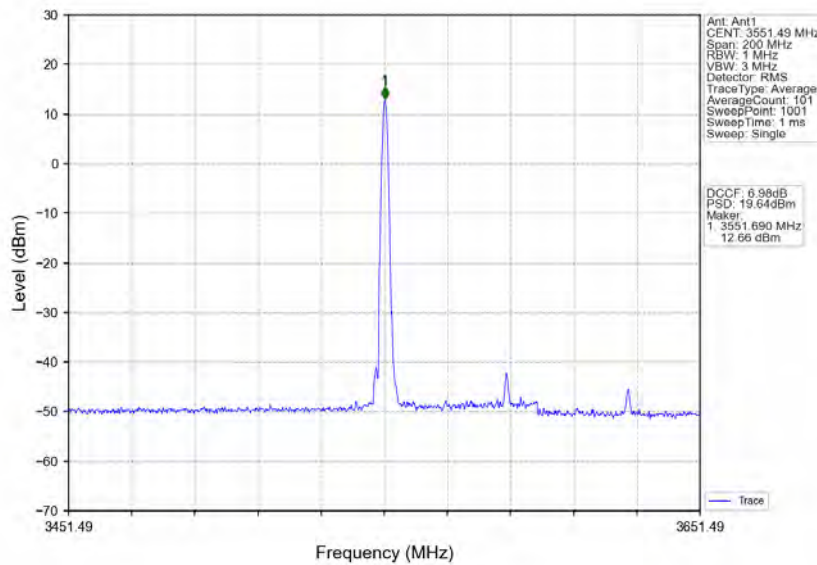
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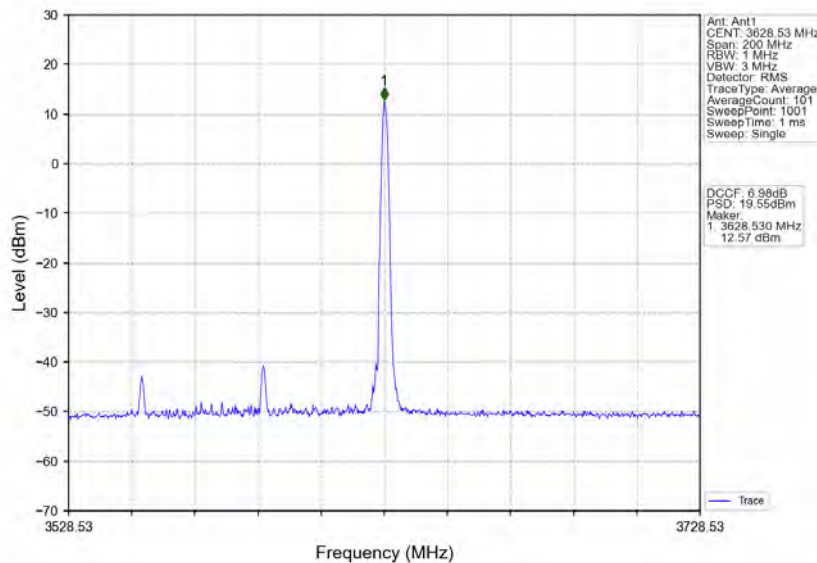
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n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM QPSK\_3590.01MHz\_Inner\_1RB\_Right



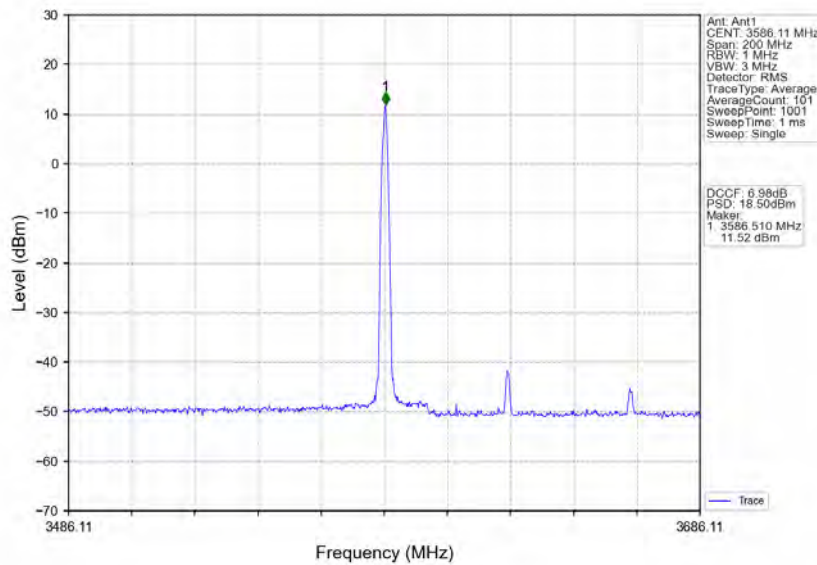
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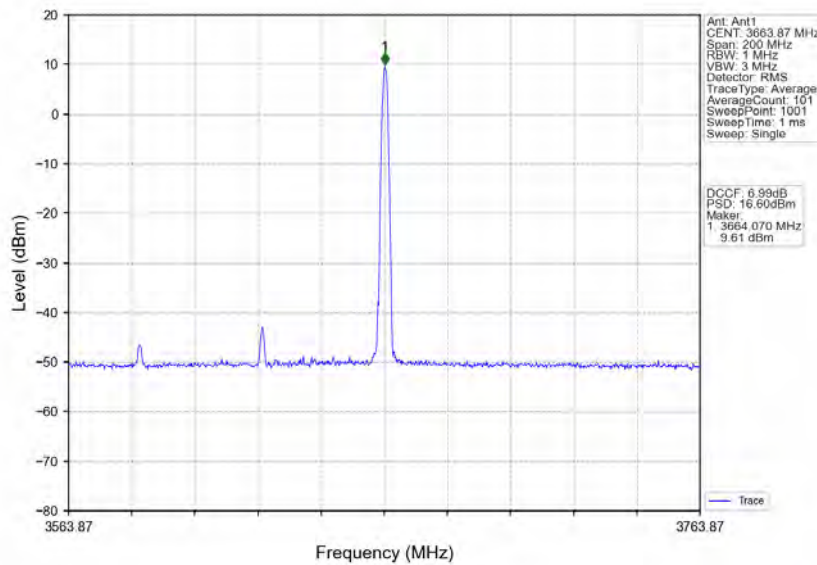
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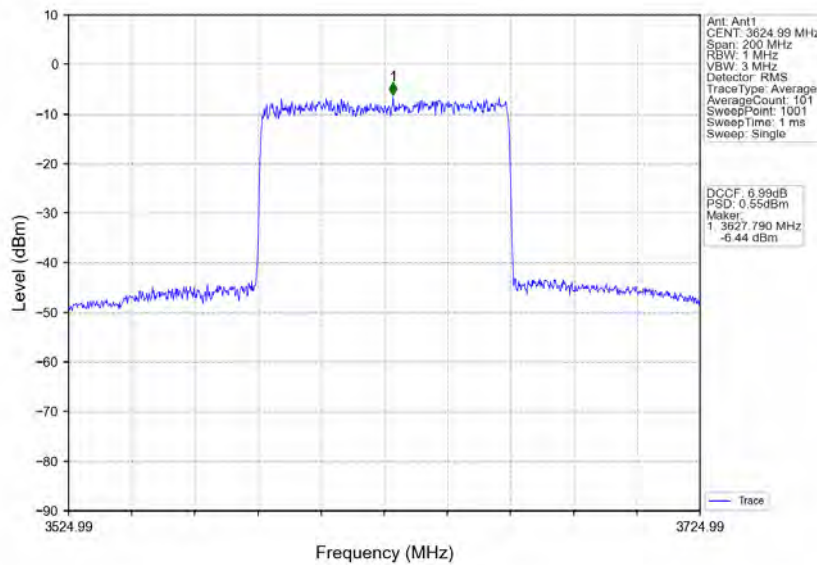
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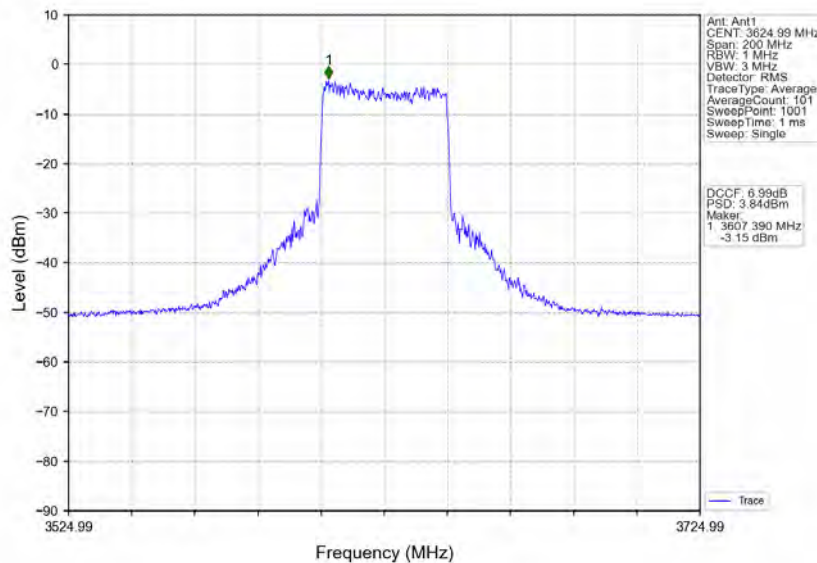
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n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM\_QPSK\_3624.99MHz\_Outer\_Full



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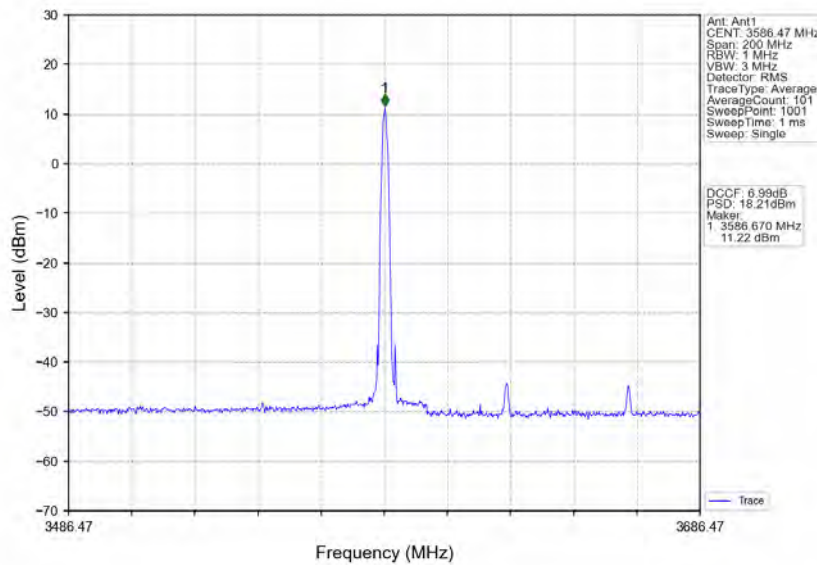
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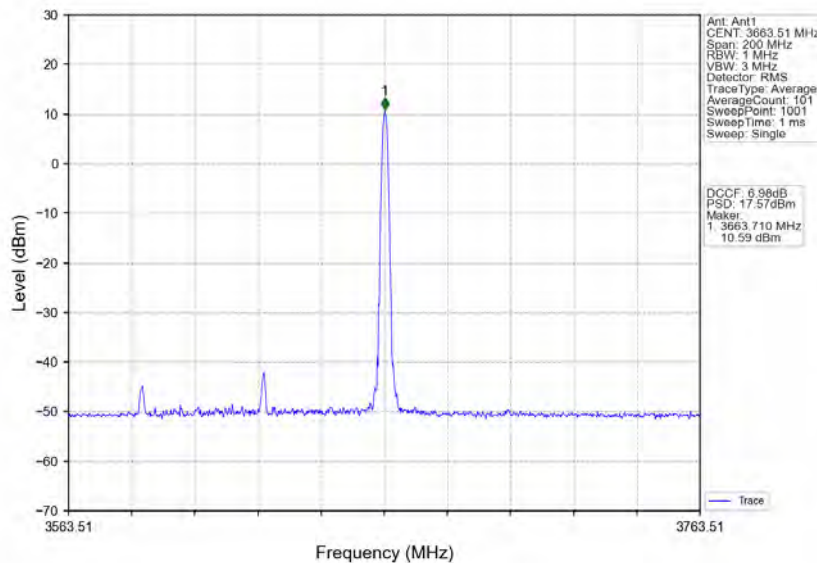
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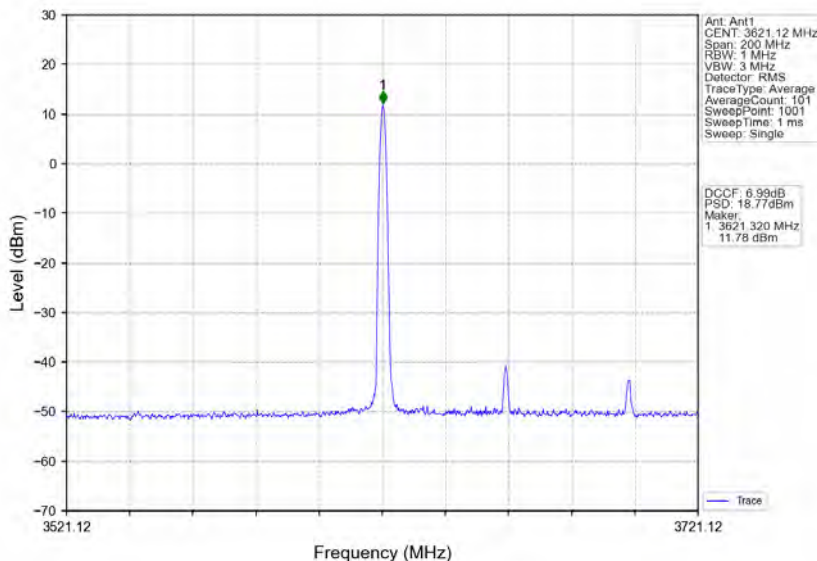
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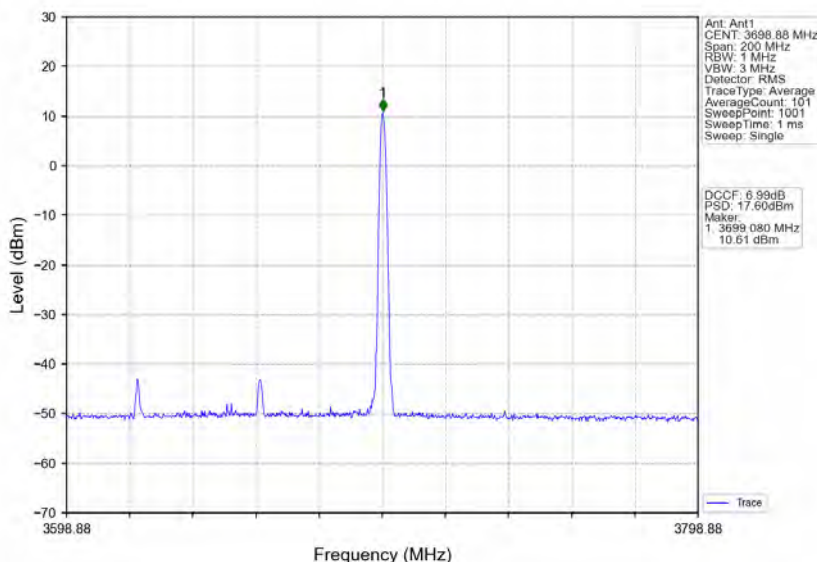
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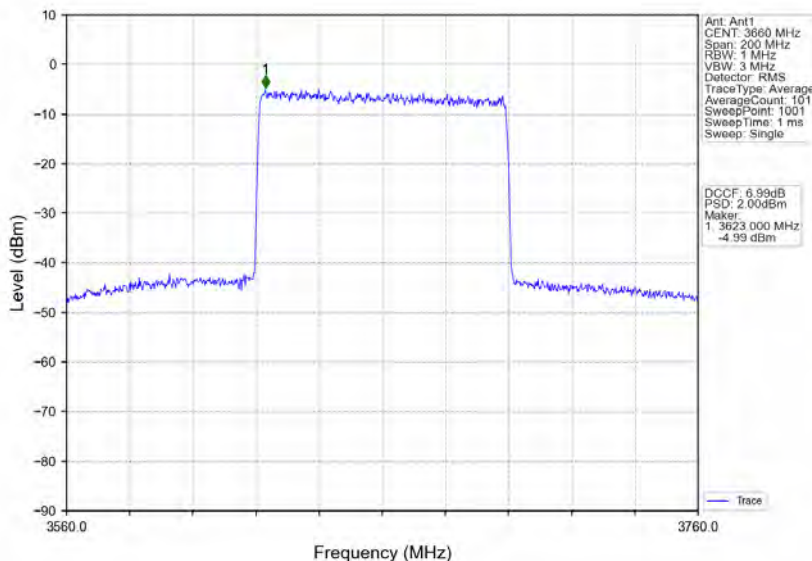
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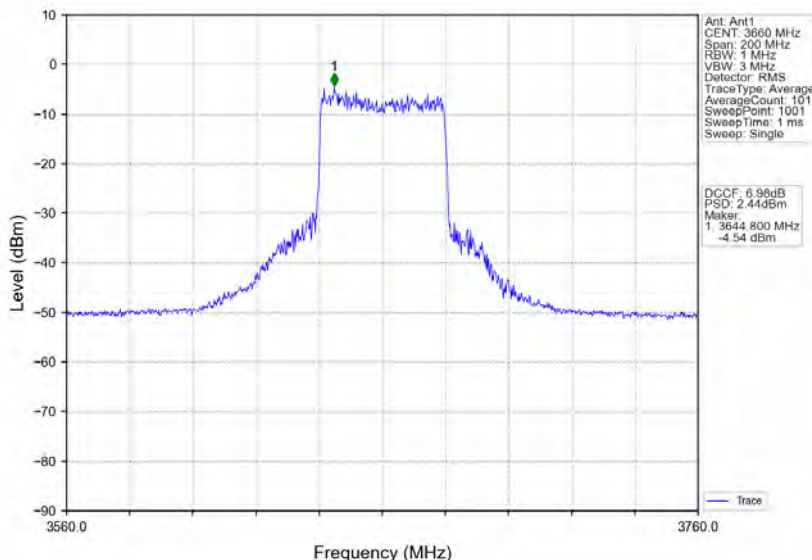
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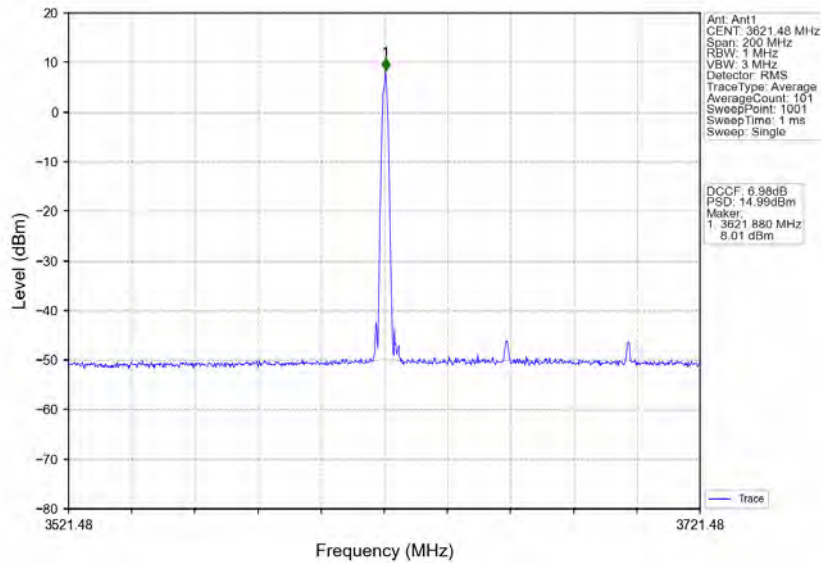
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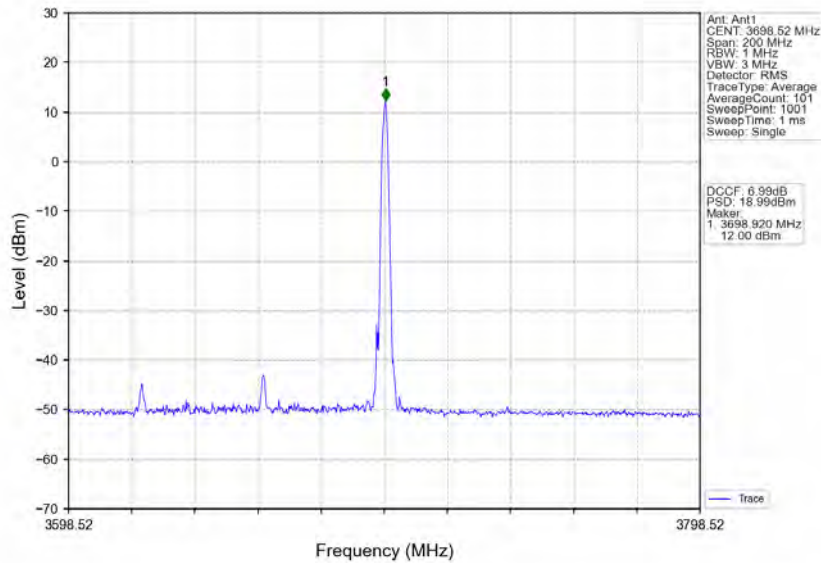
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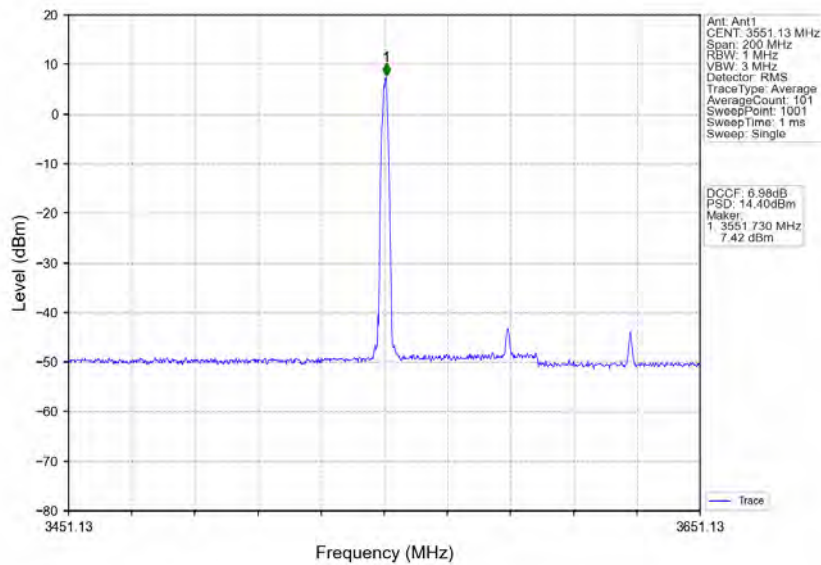
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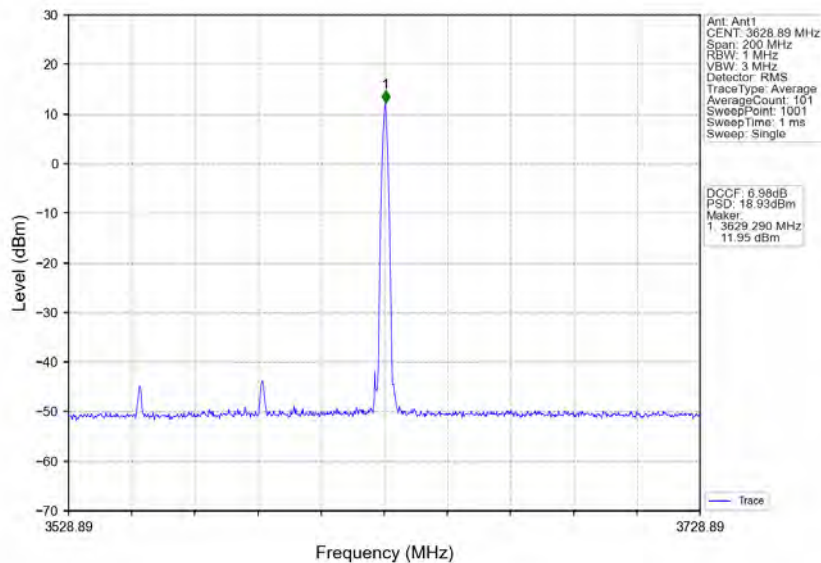
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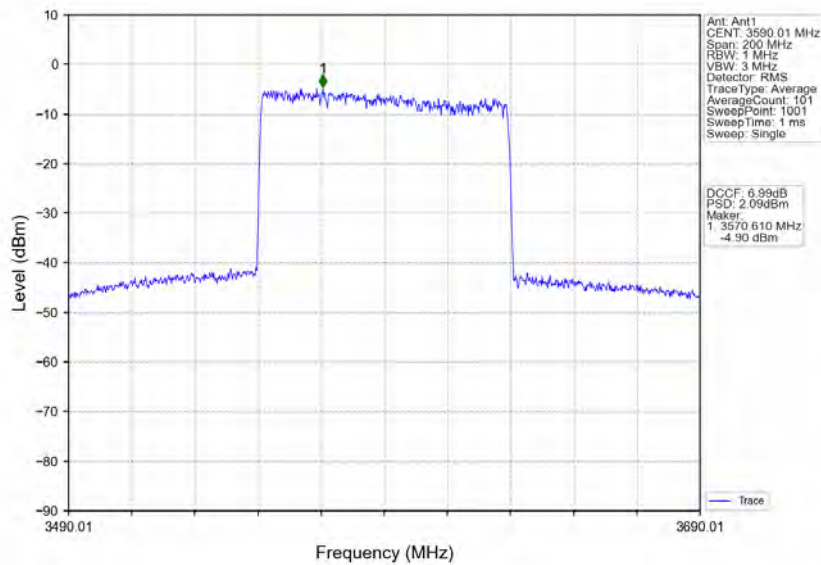
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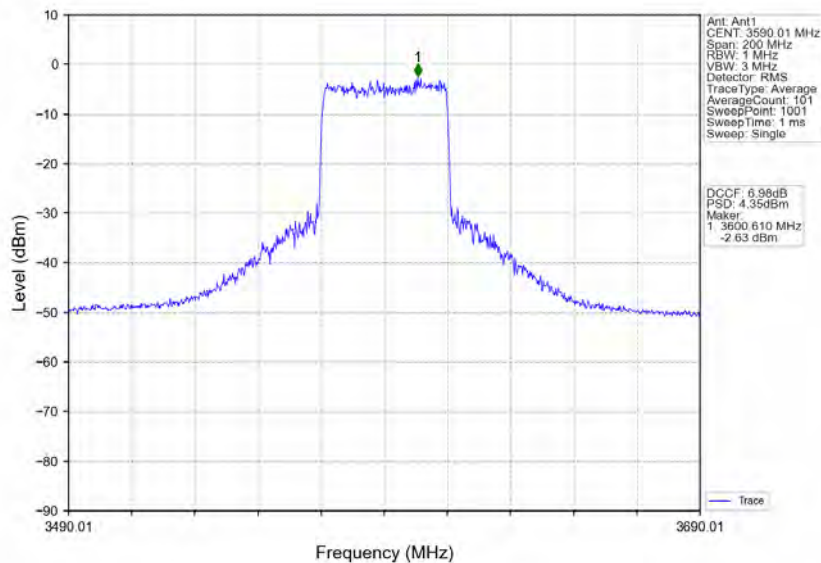
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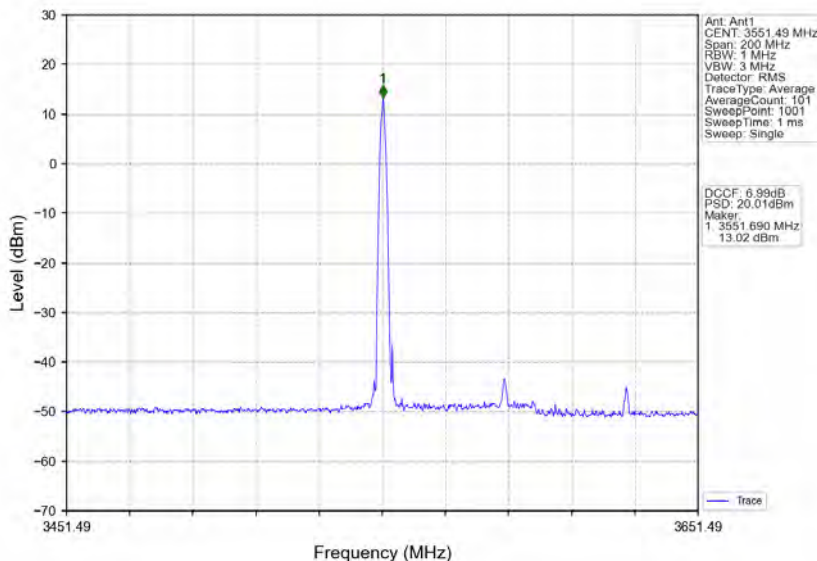
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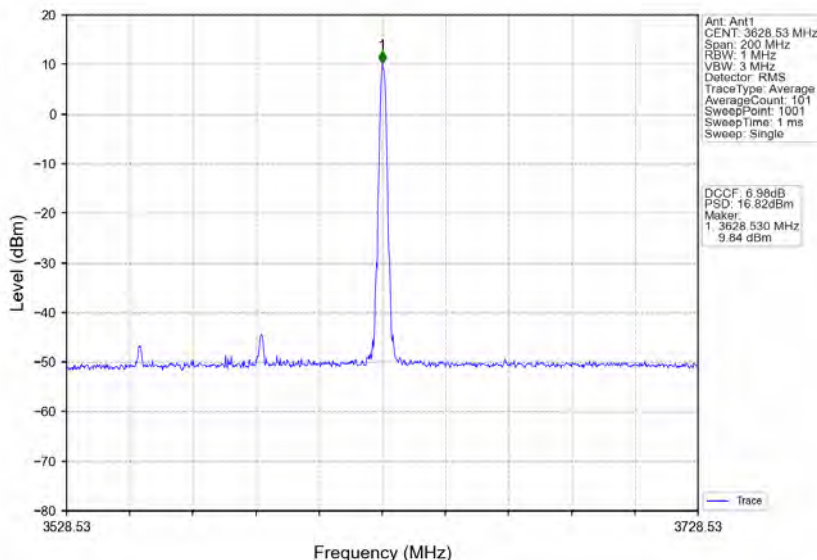
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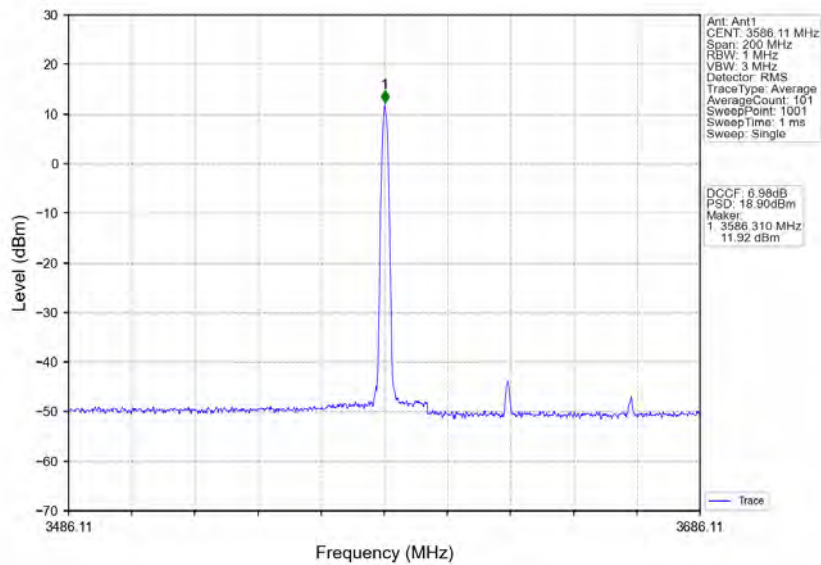
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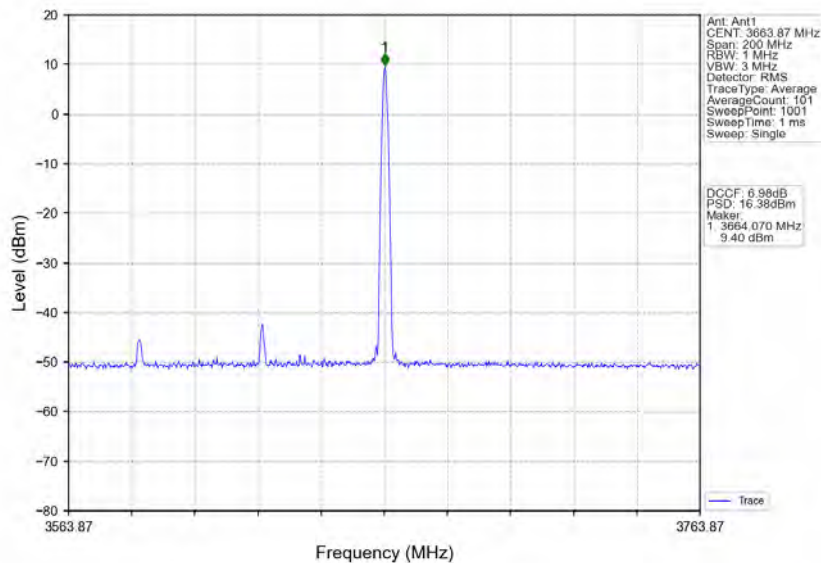
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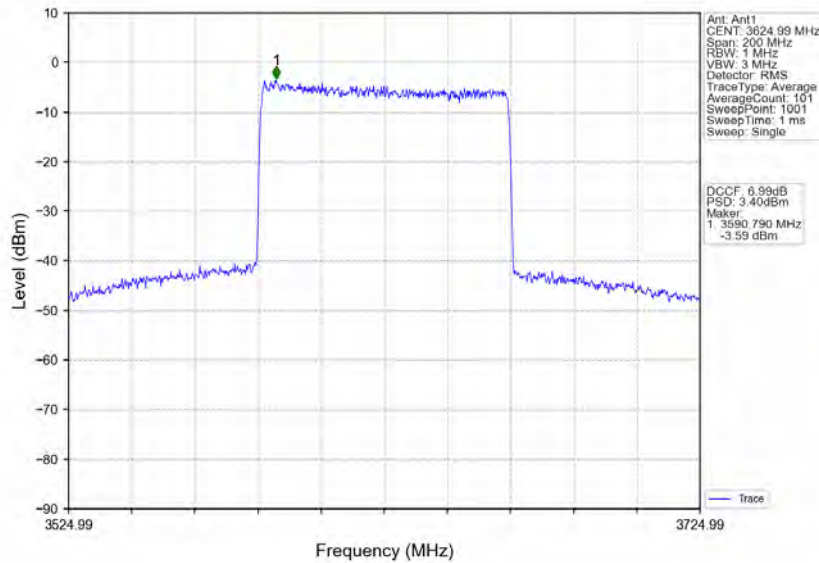
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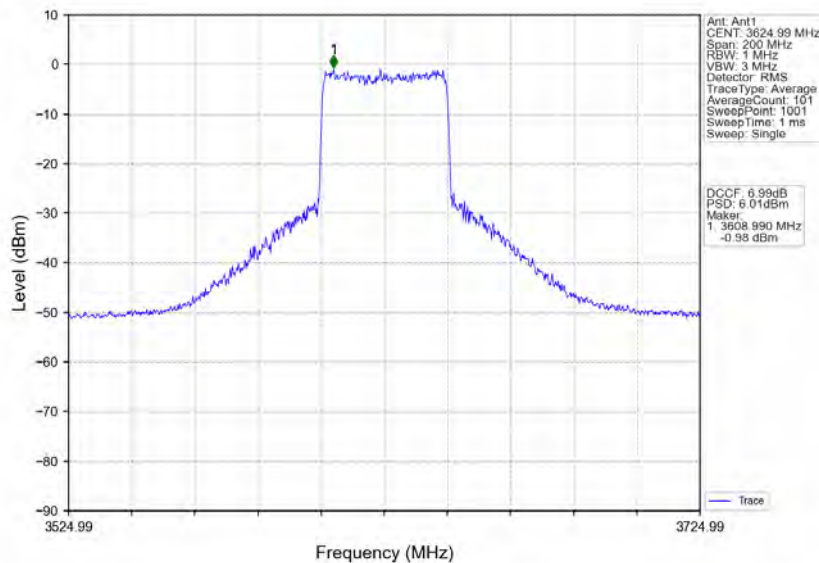
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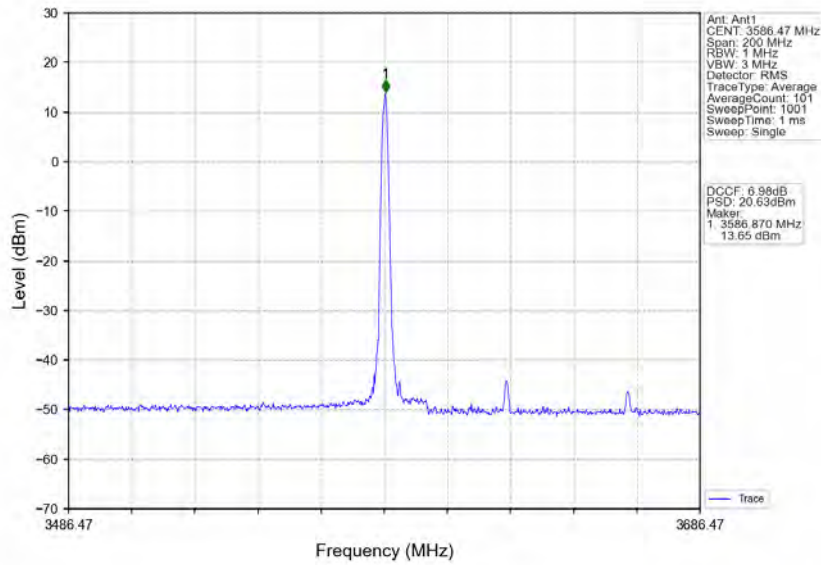
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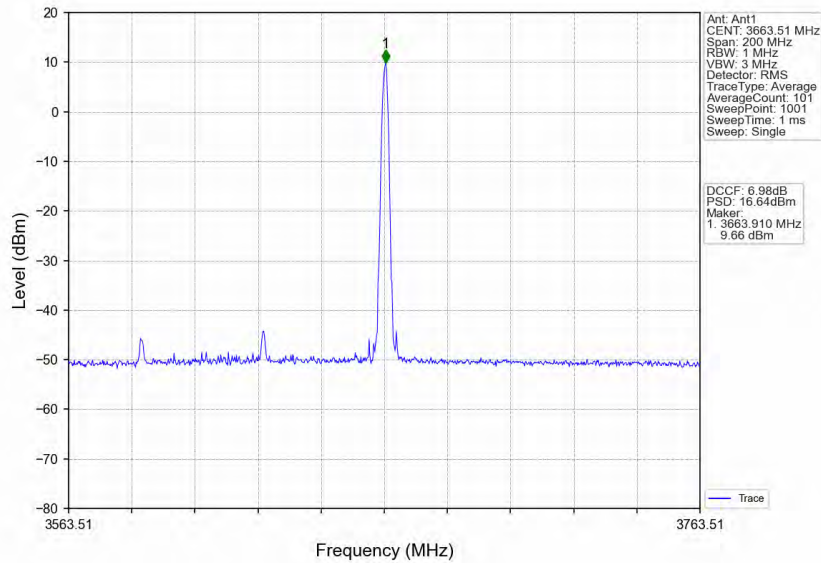
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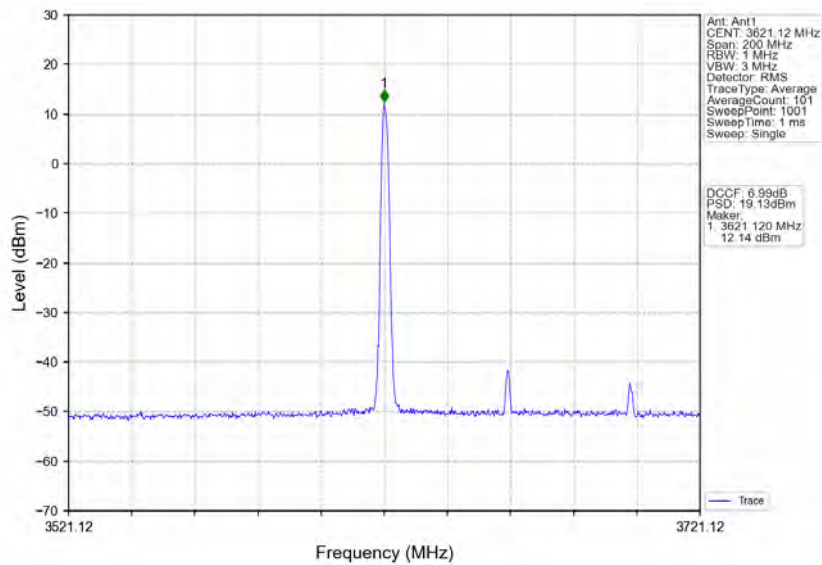
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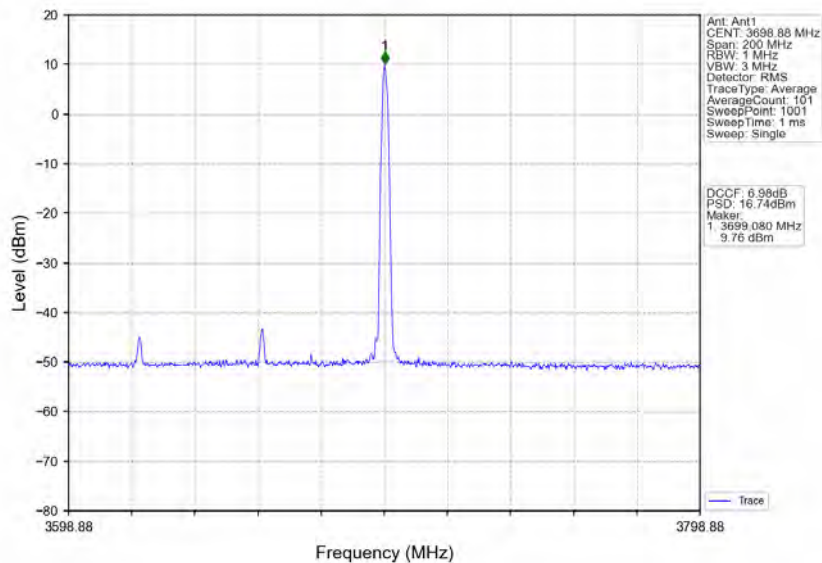
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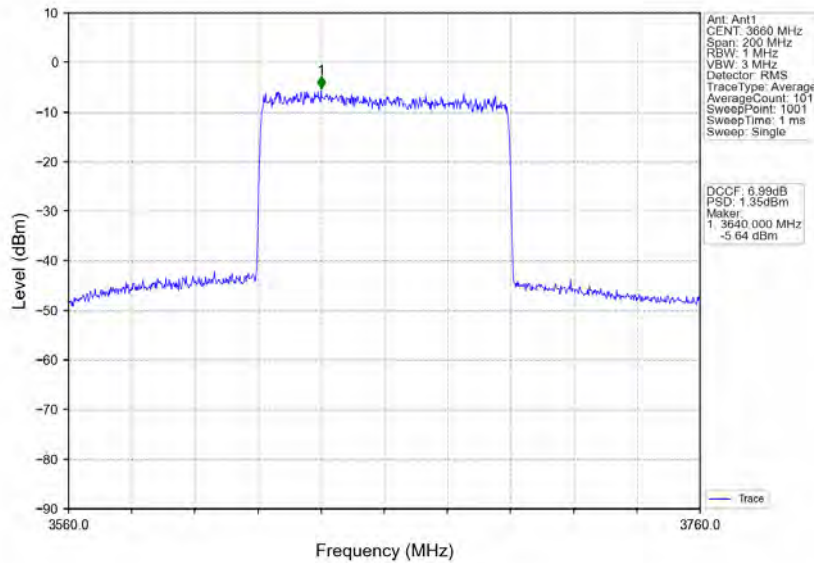
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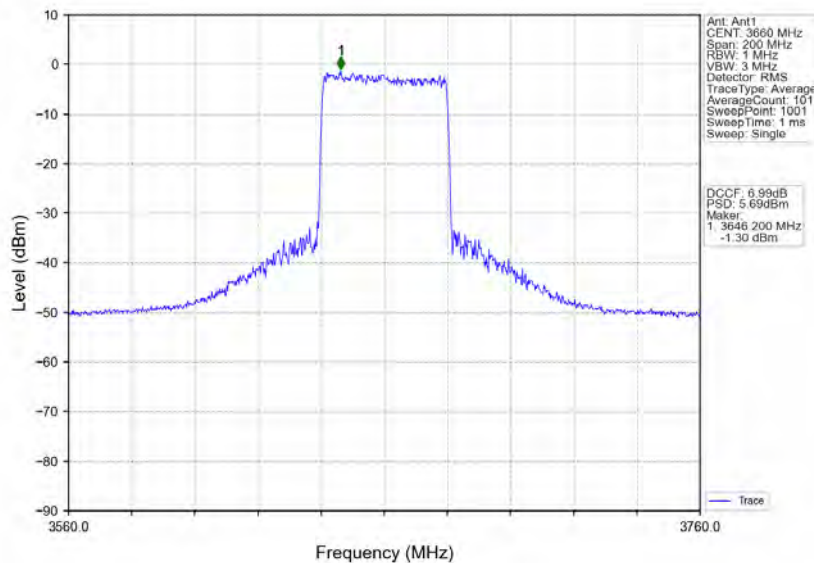
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n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM 16 QAM\_3660MHz\_Outer\_Full



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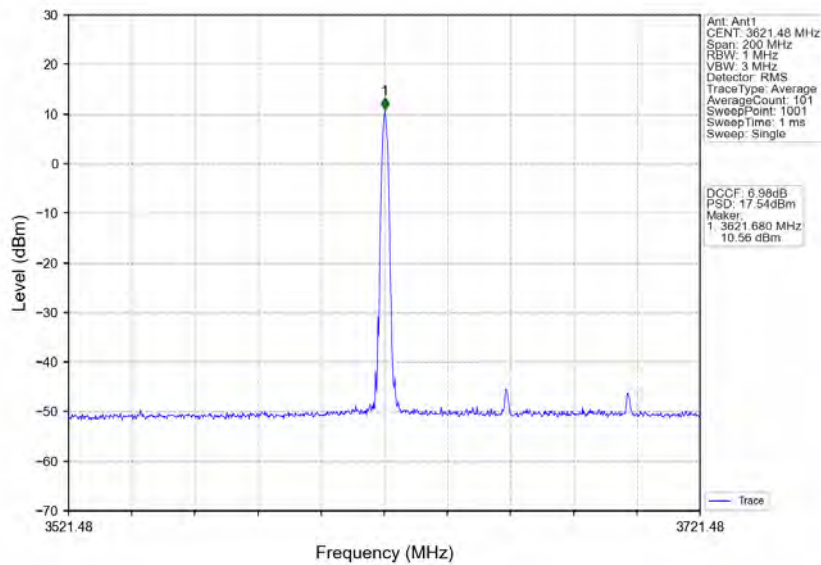
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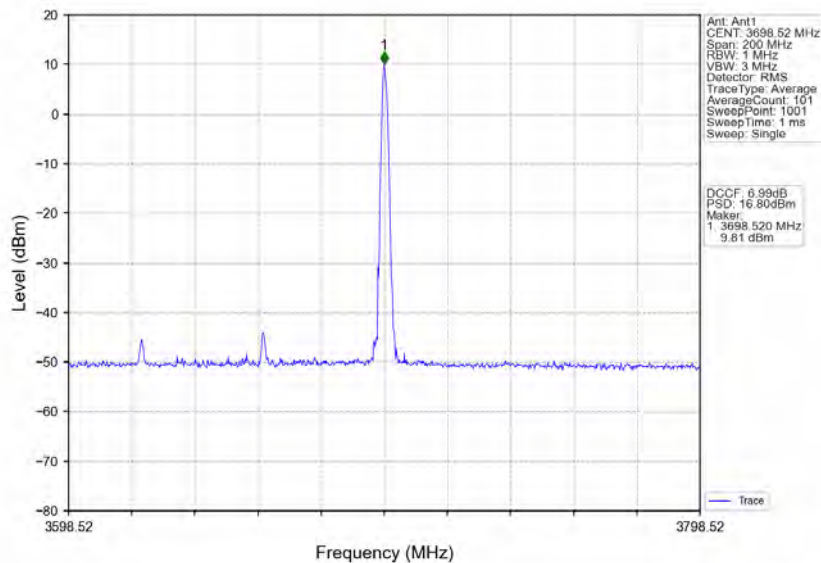
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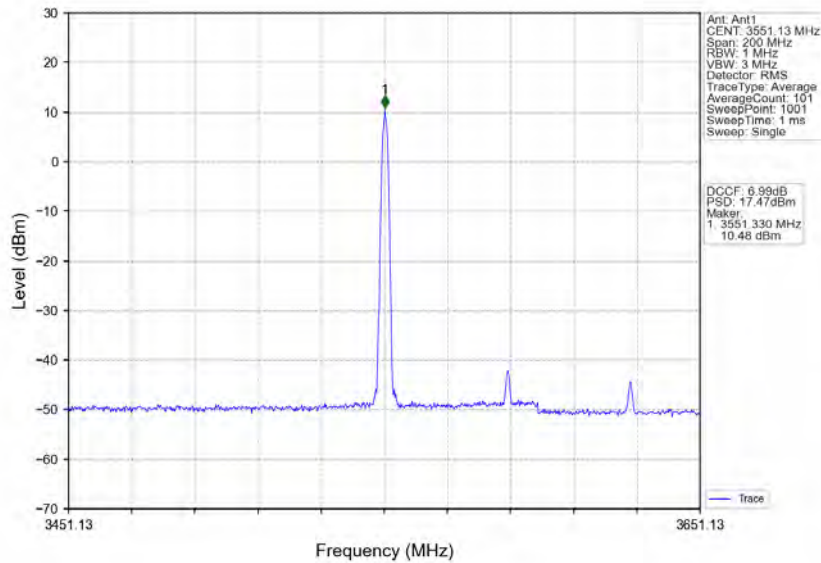
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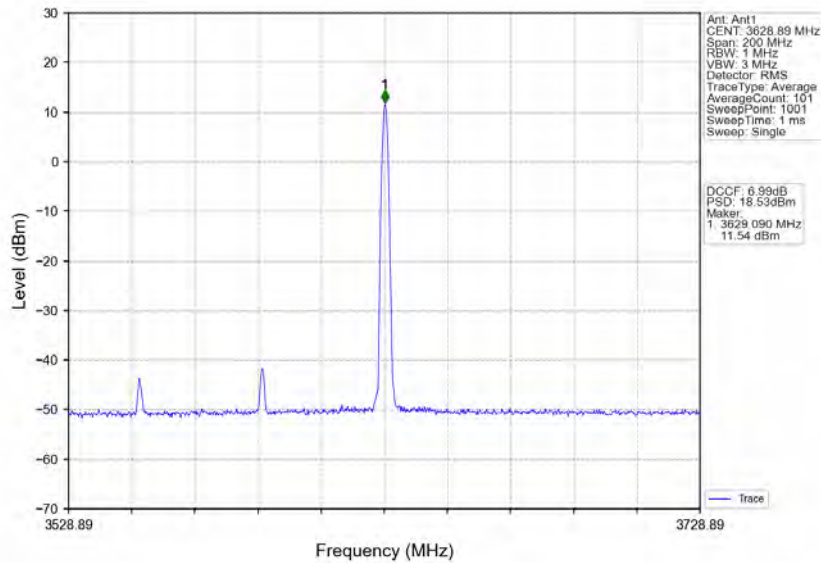
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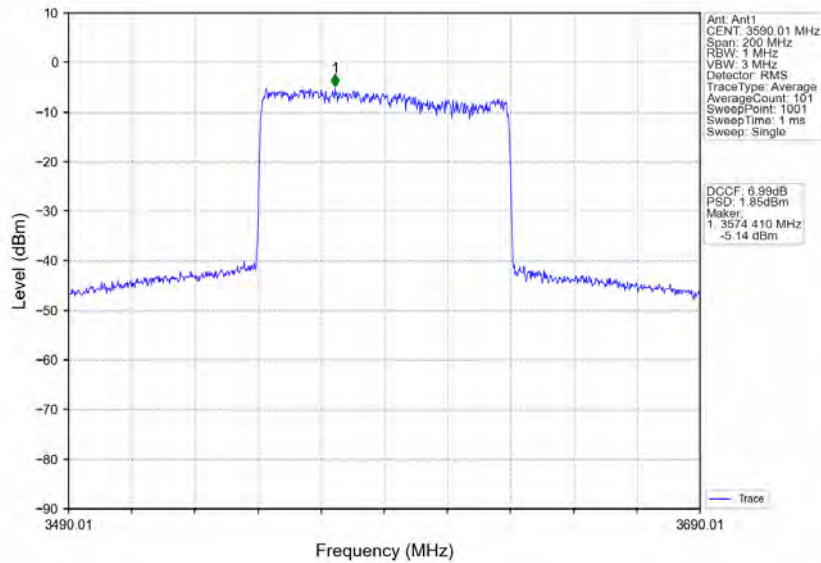
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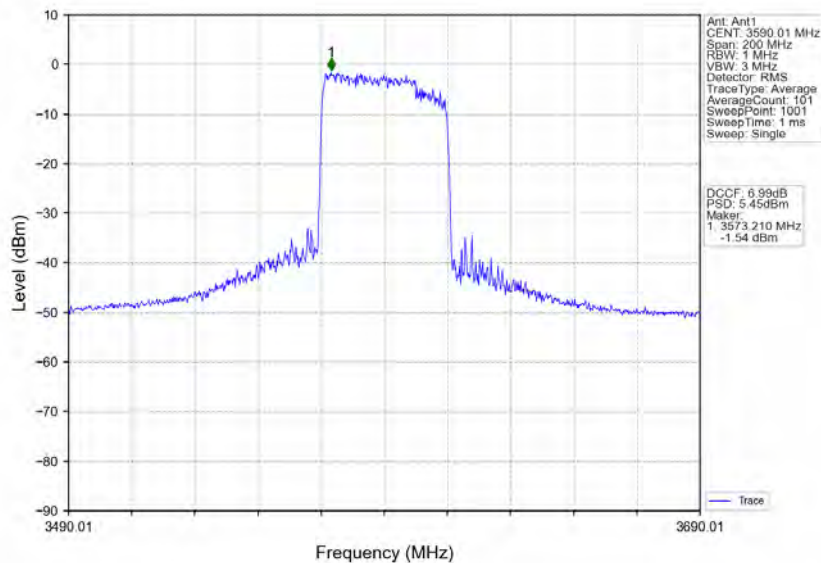
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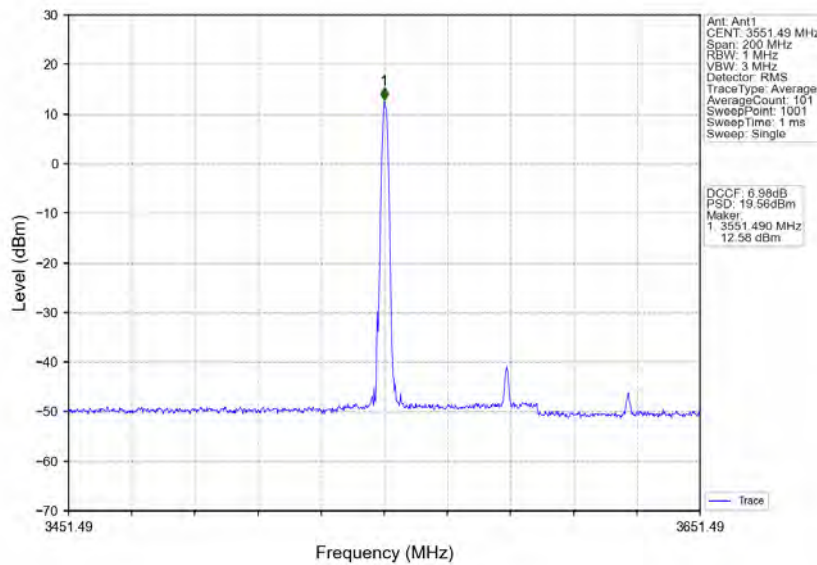
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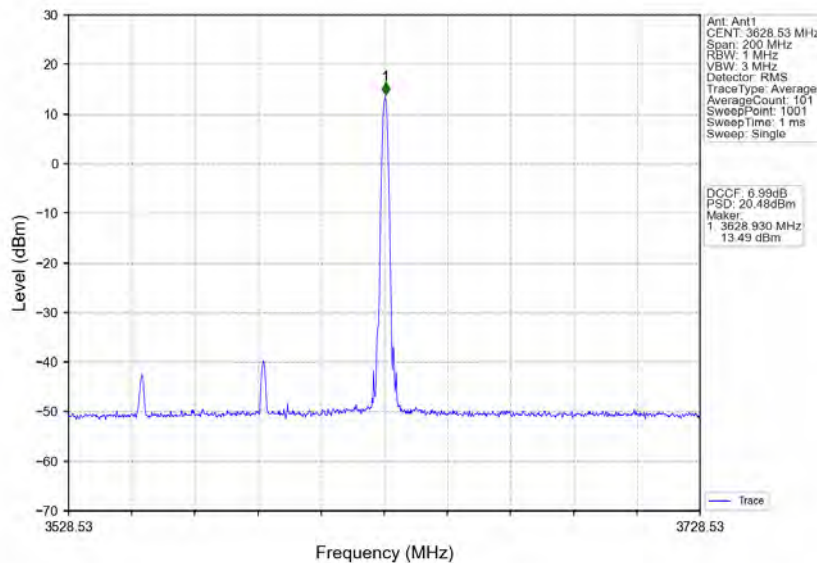
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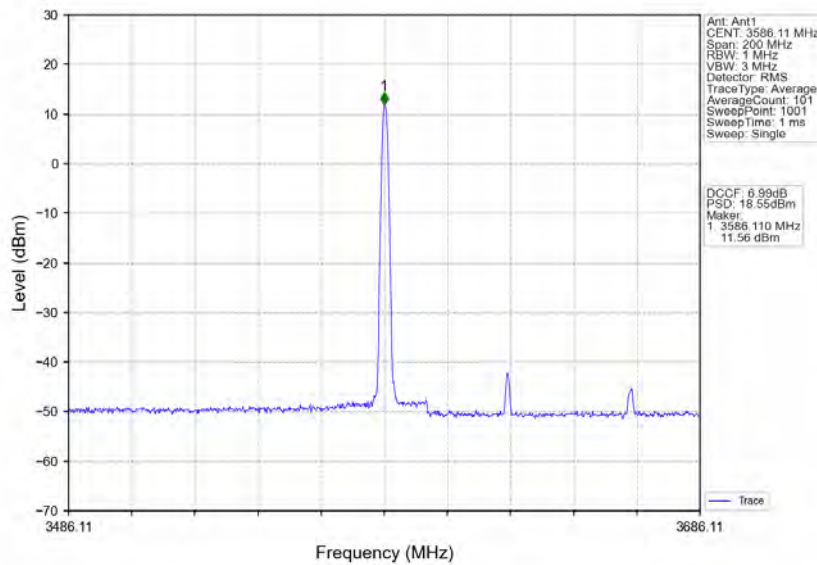
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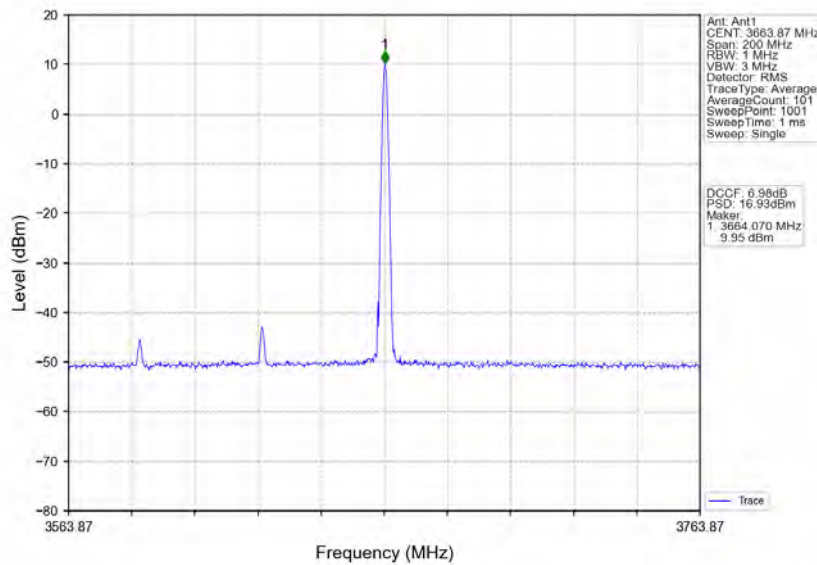
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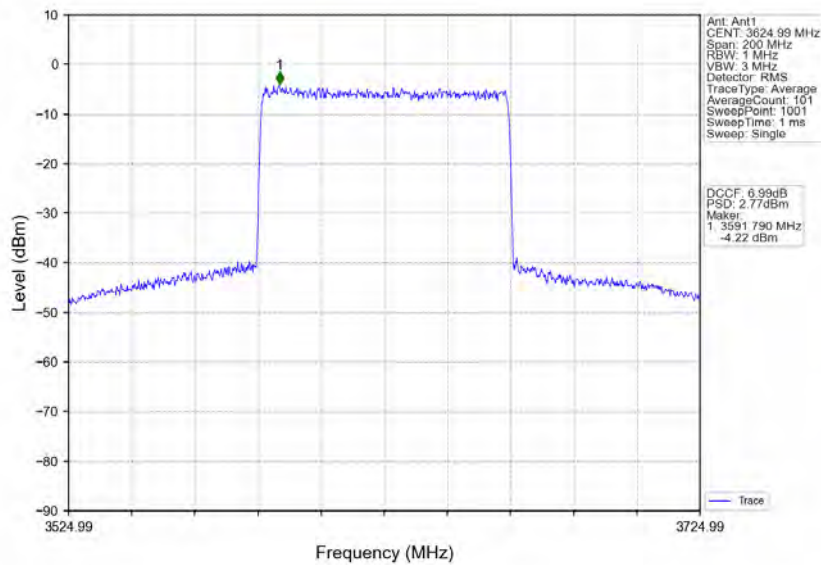
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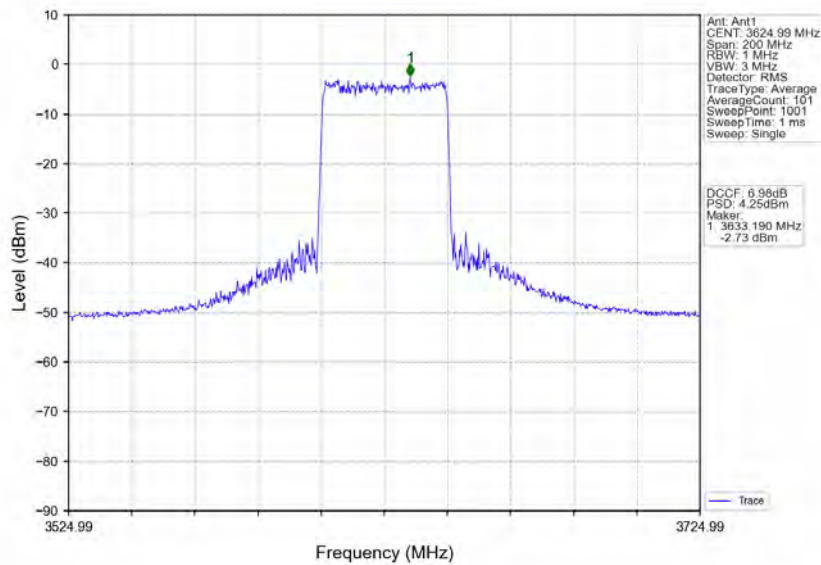
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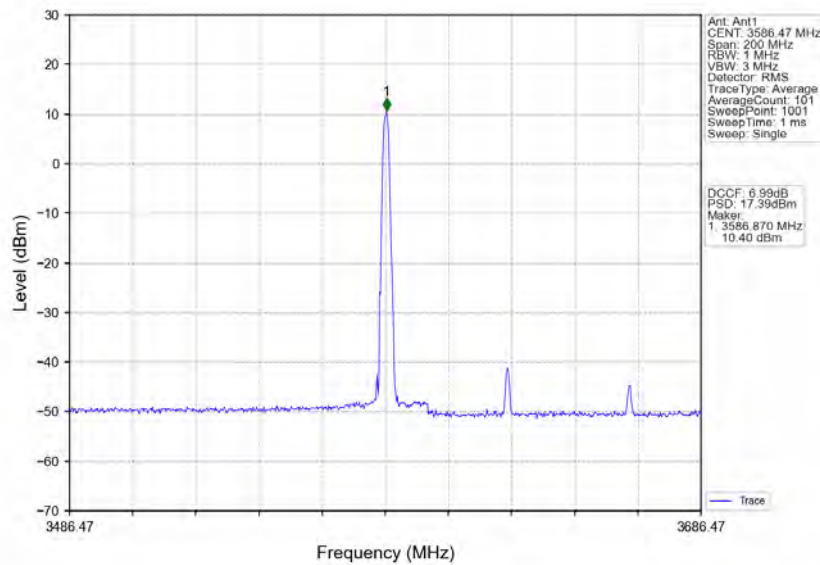
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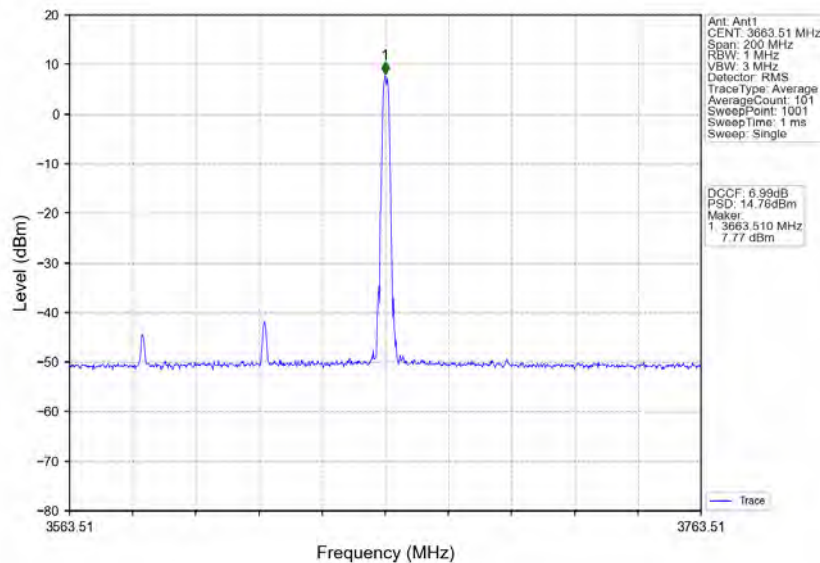
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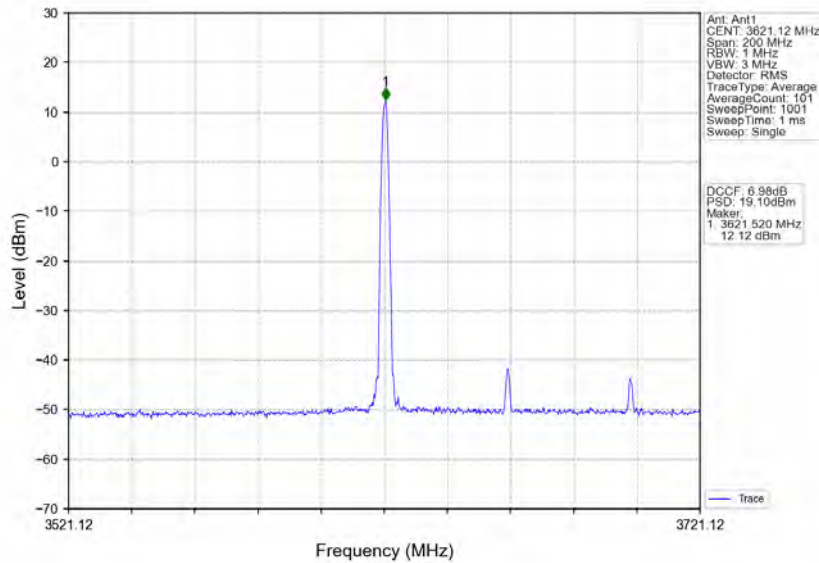
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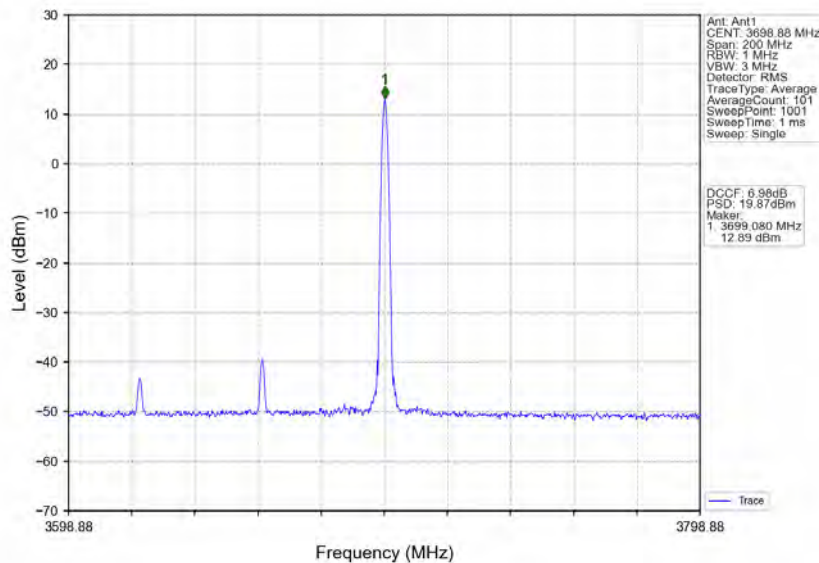
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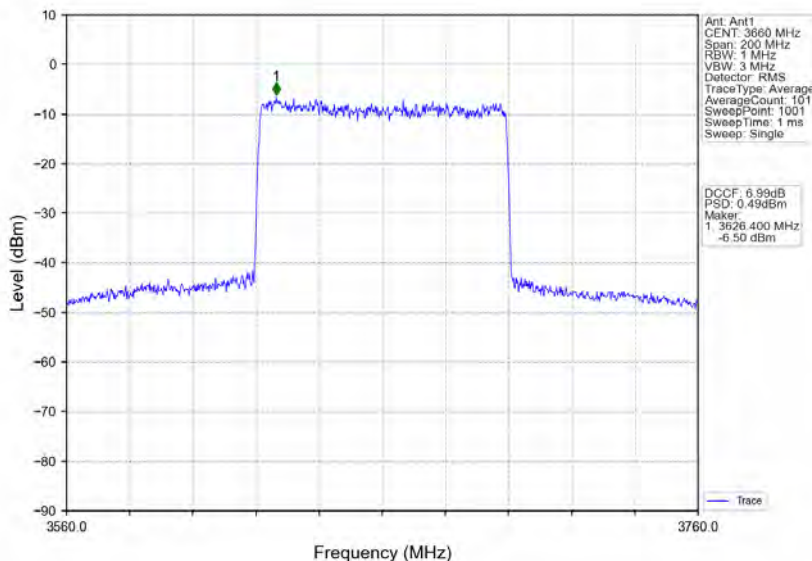
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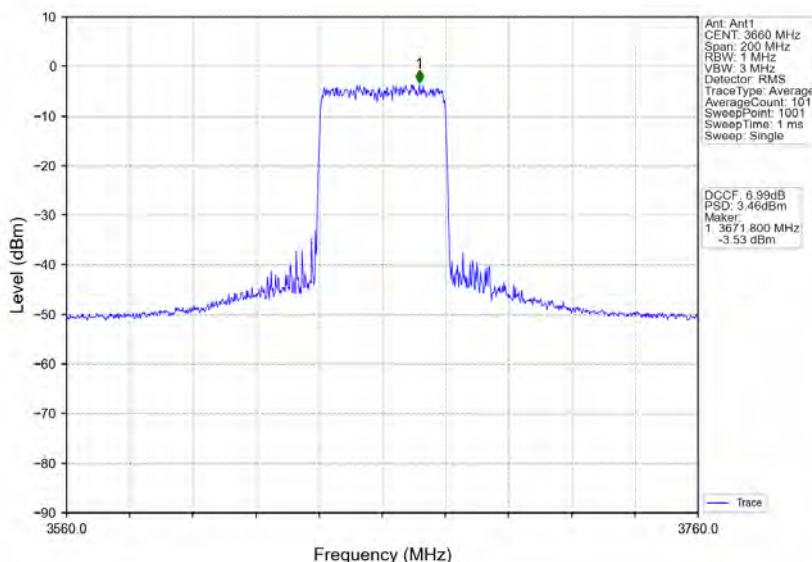
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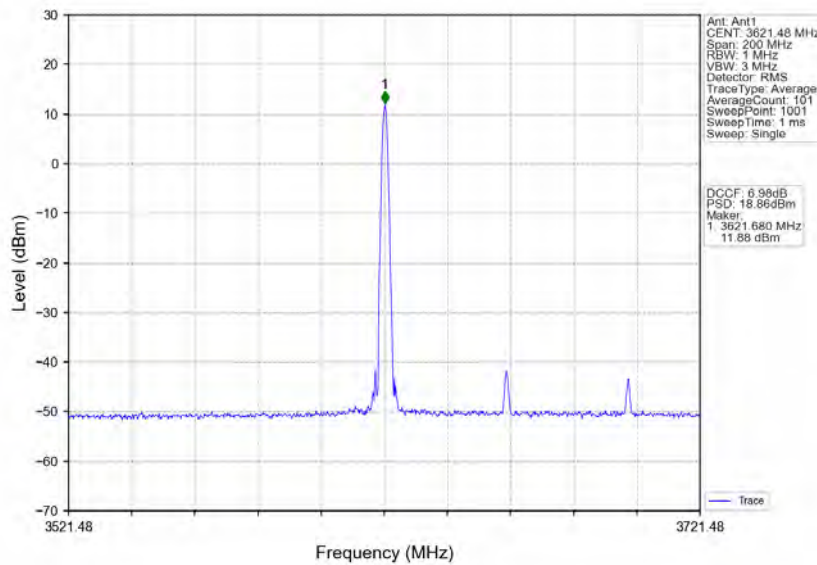
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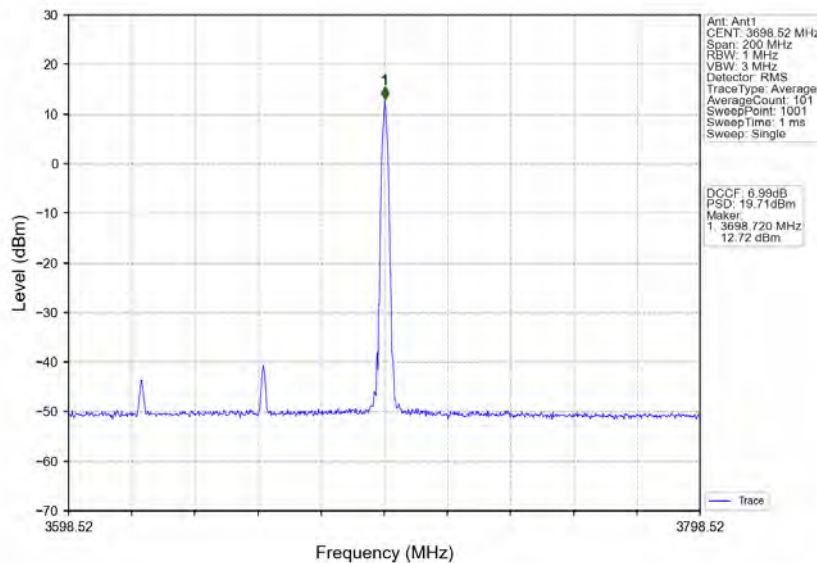
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n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM 64 QAM\_3660MHz\_Inner\_1RB\_Left



n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM 64 QAM\_3660MHz\_Inner\_1RB\_Right



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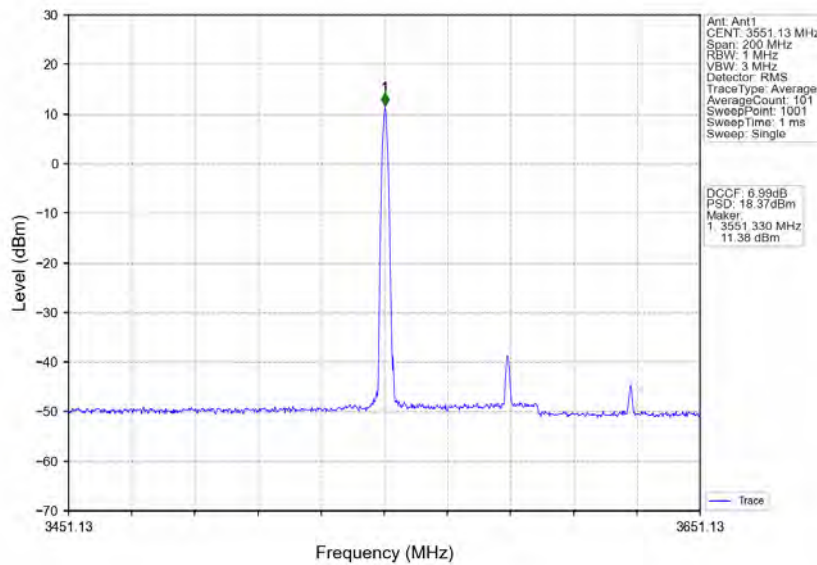
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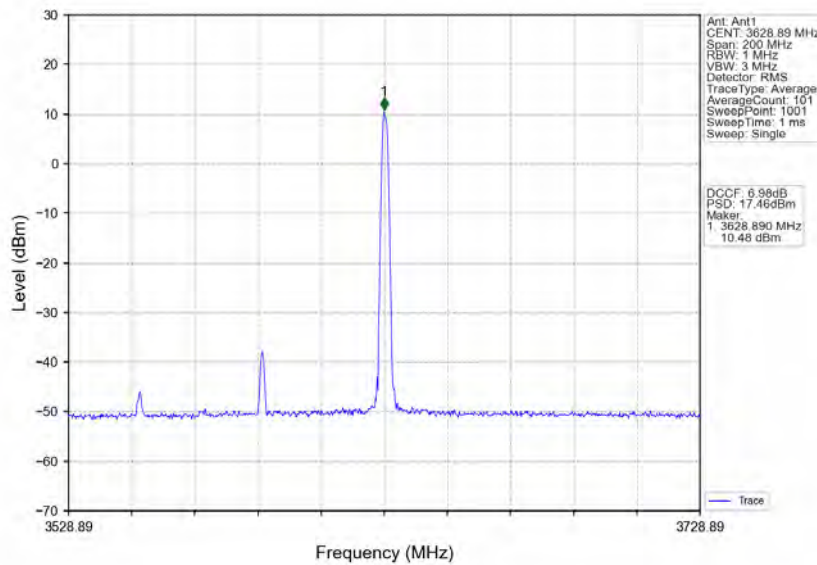
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n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM 256 QAM\_3590.01MHz\_Edge\_1RB\_Left



n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM 256 QAM\_3590.01MHz\_Edge\_1RB\_Right



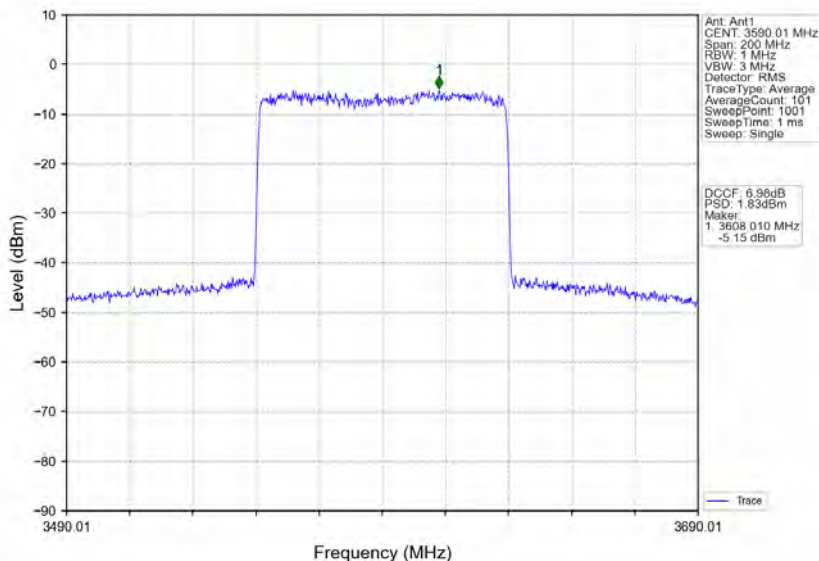
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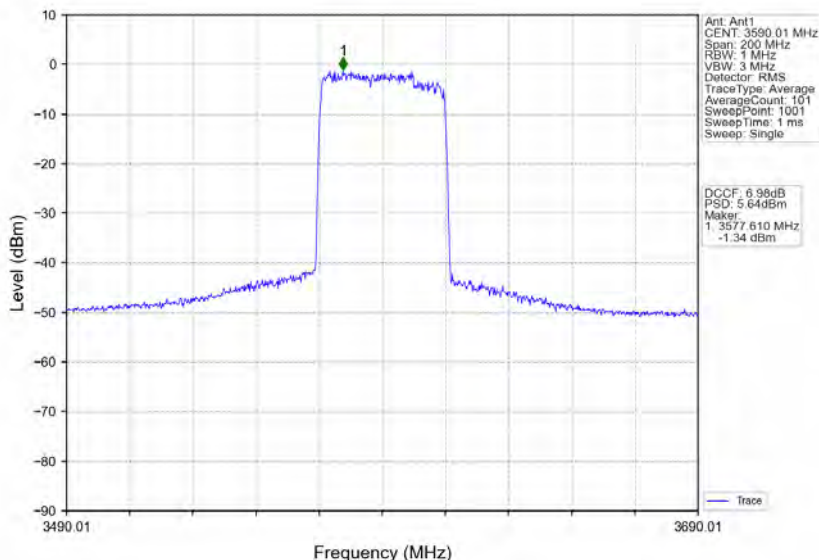
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n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM\_256\_QAM\_3590.01MHz\_Outer\_Full



n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM\_256\_QAM\_3590.01MHz\_Inner\_Full



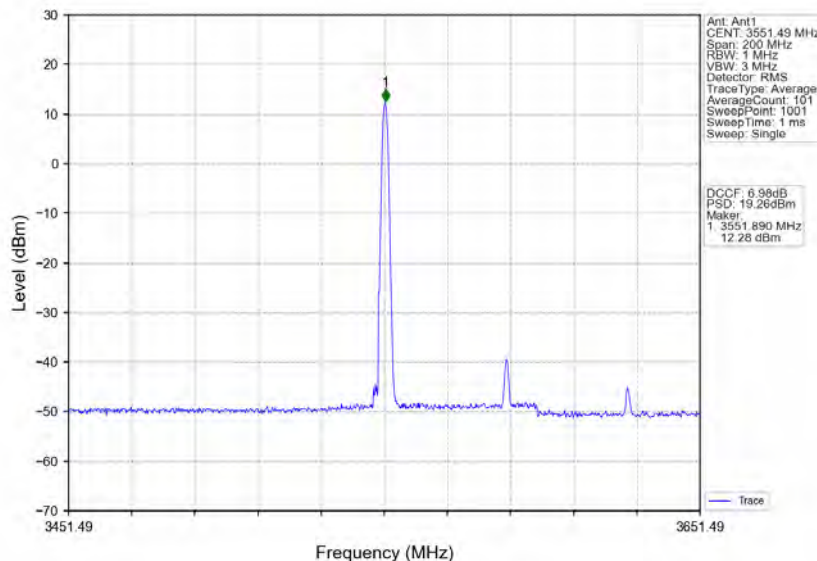
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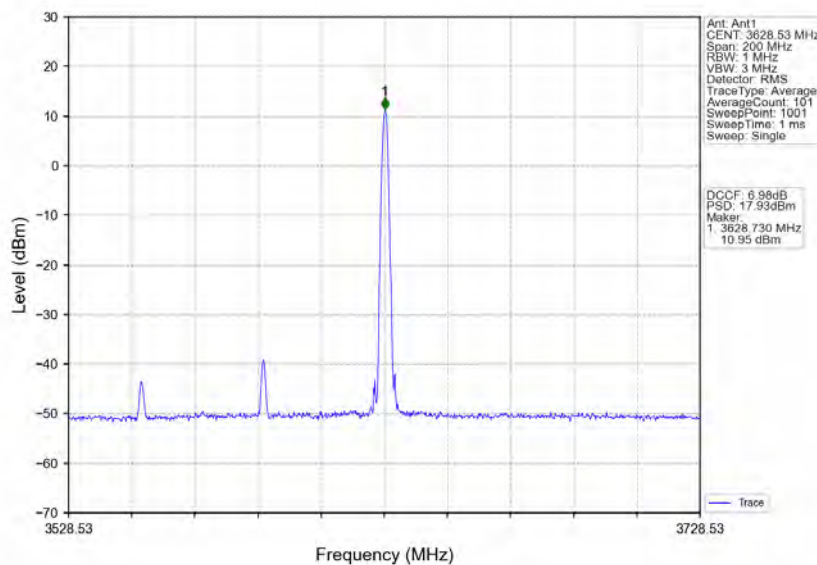
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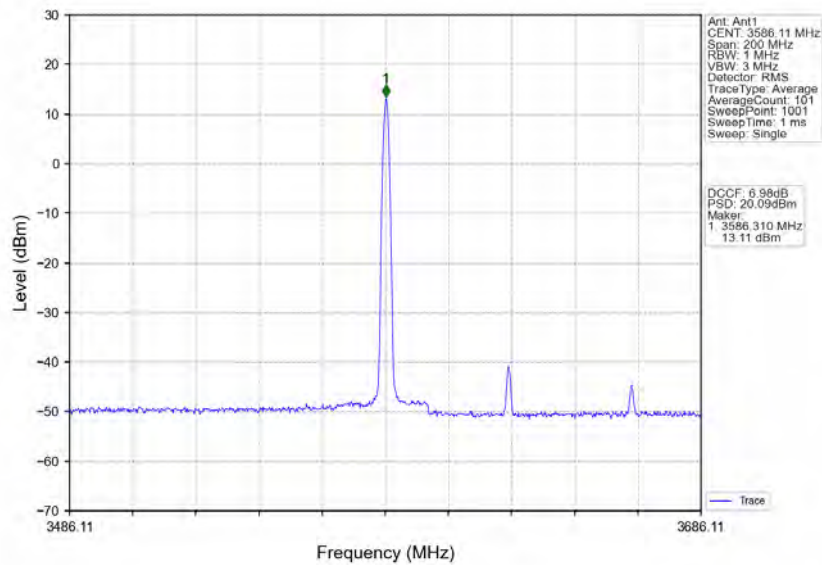
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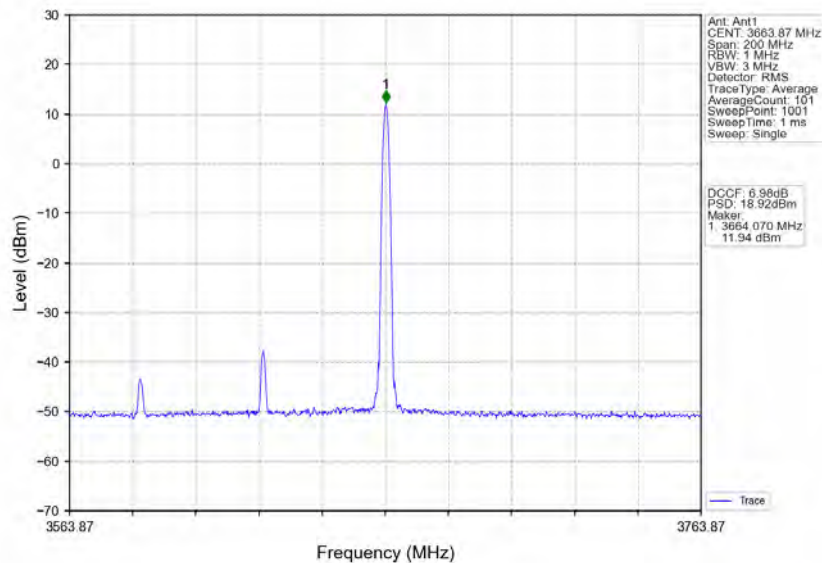
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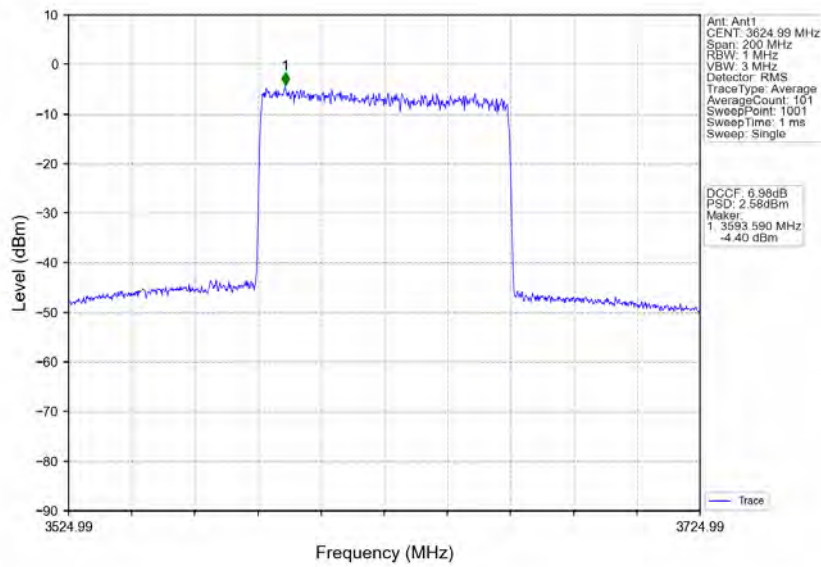
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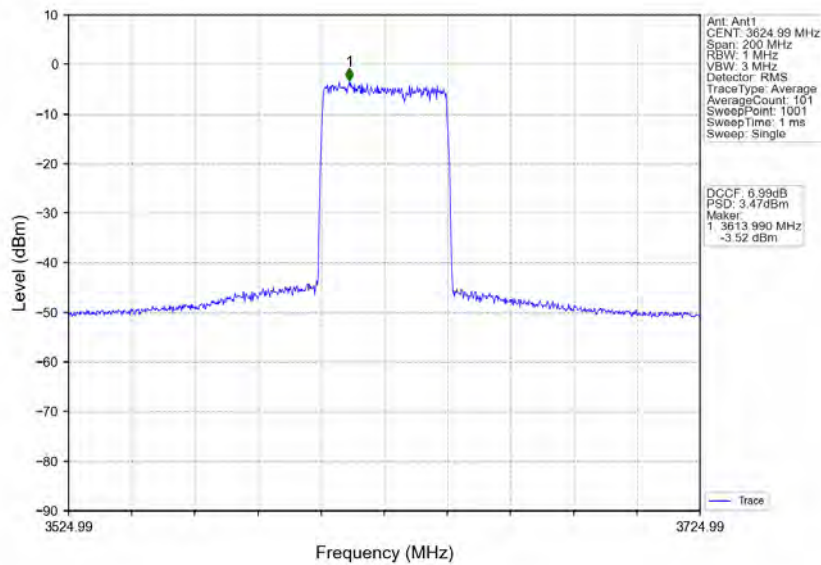
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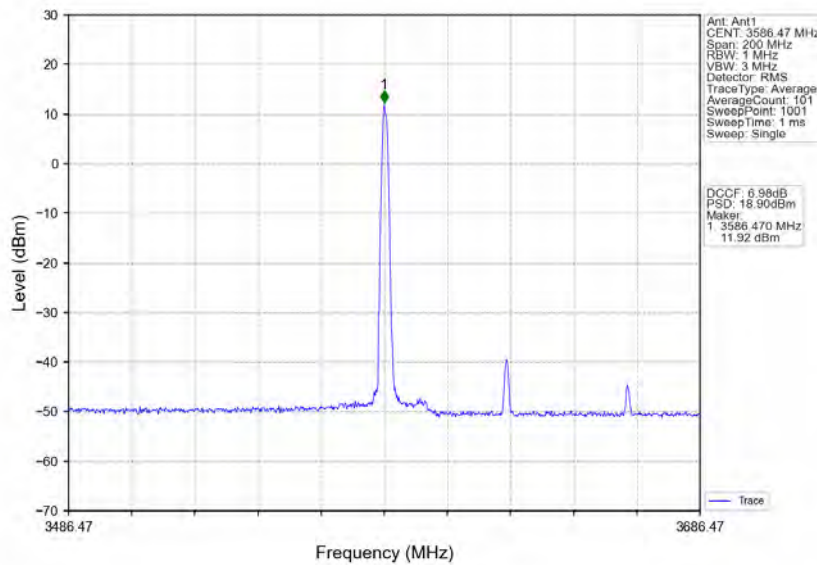
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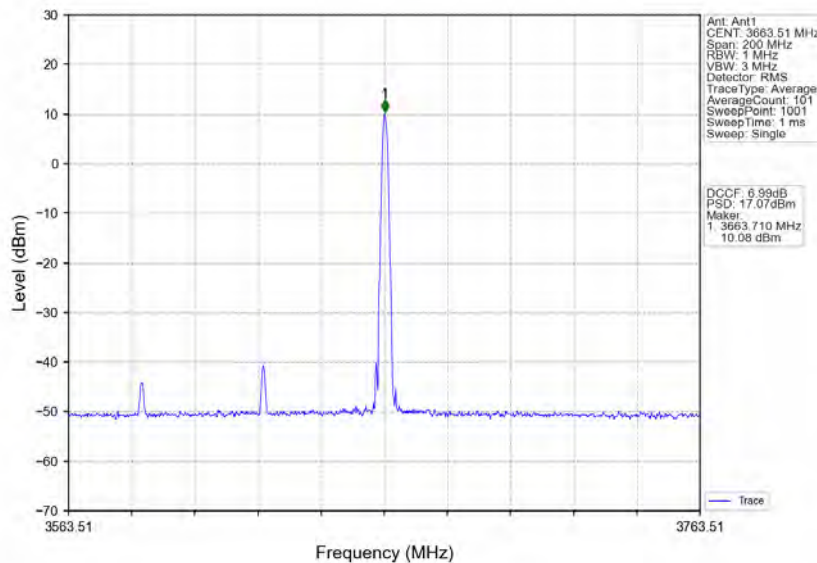
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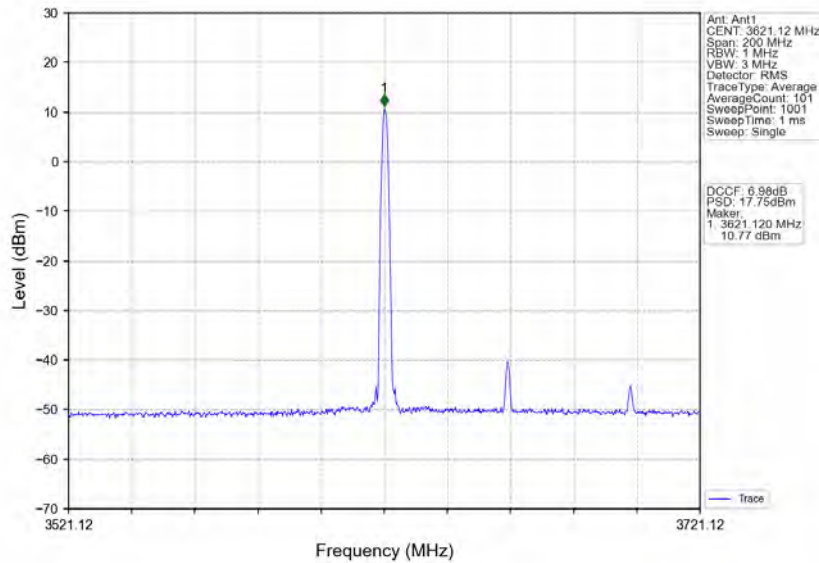
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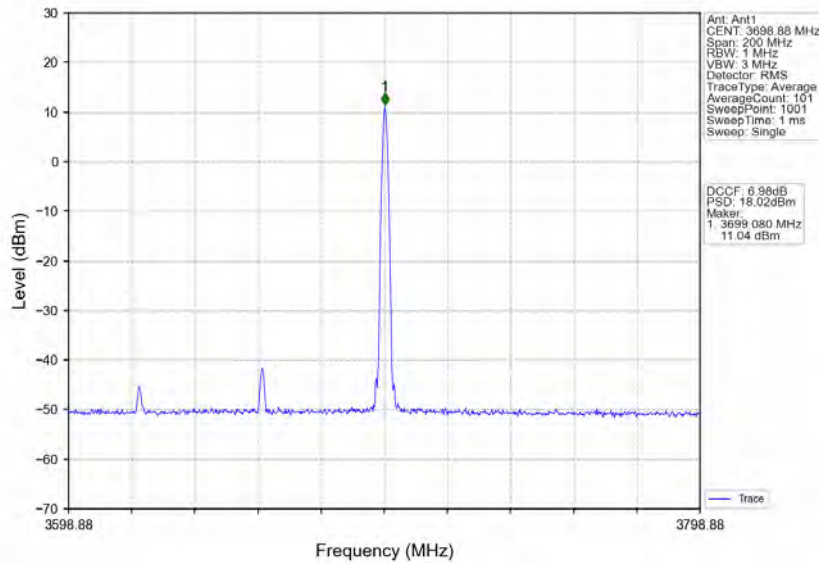
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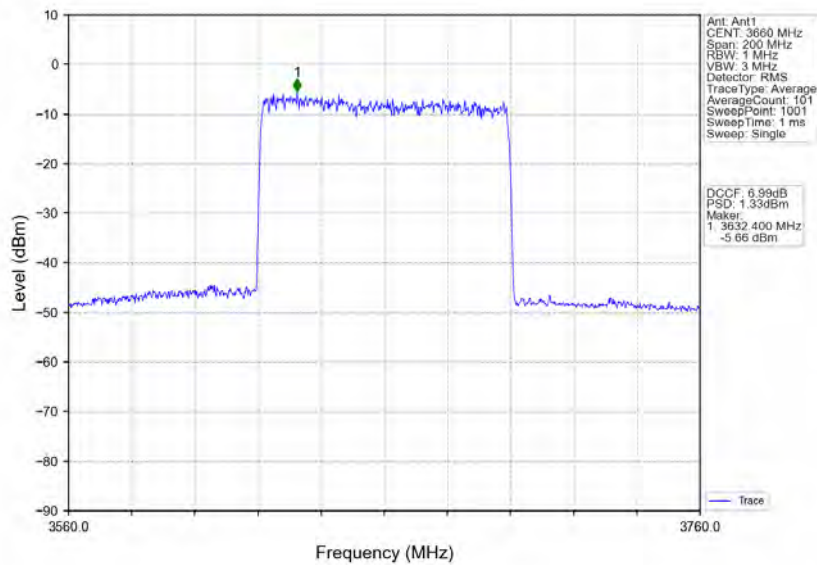
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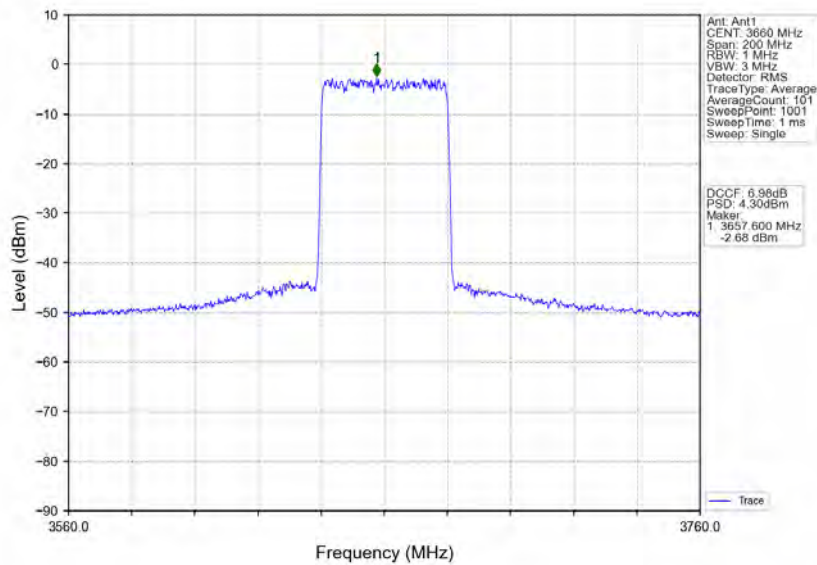
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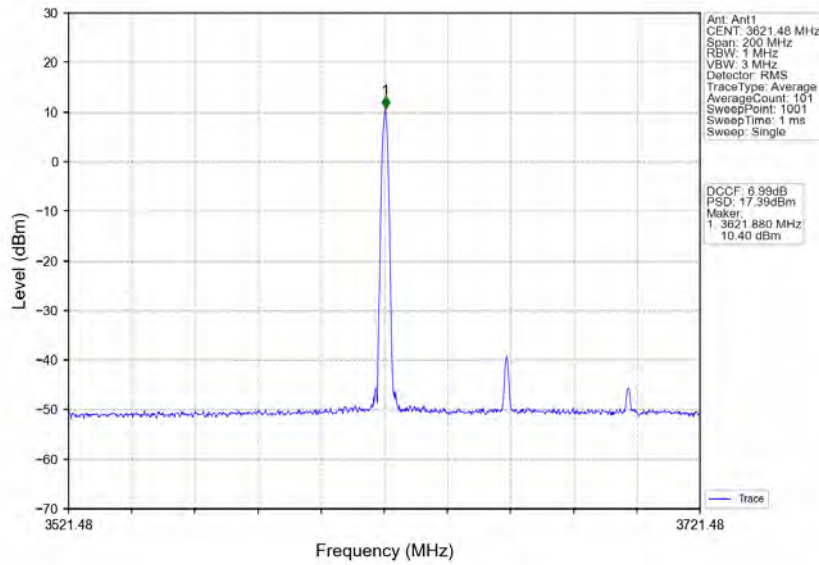
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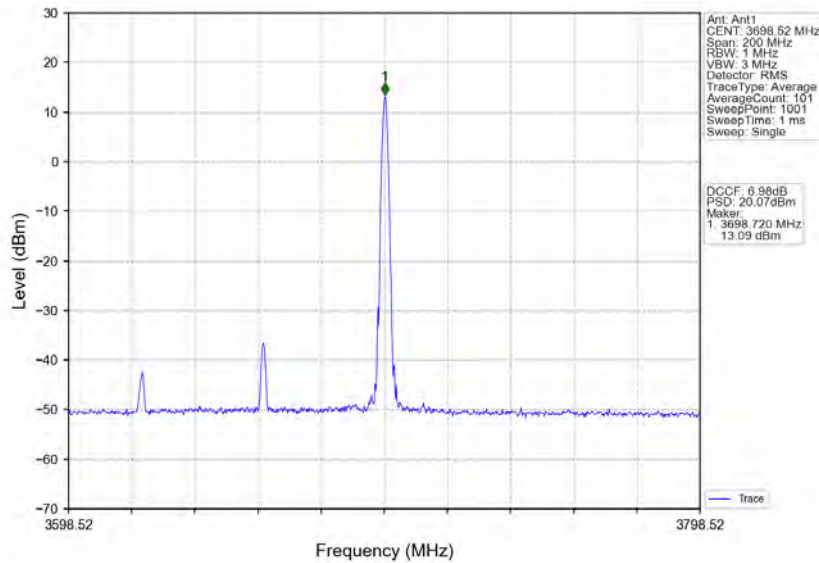
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n78d\_30kHz\_MIMO\_NTNV\_80MHz\_CP-OFDM 256 QAM\_3660MHz\_Inner\_1RB\_Left



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## 2.28 30k\_MIMO\_90MHz\_NTNV\_EIRP

### 2.28.1 Test Result

5G NR n78d SCS=30kHz MIMO 90MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3595.02	Edge_1RB_Left	18.86	18.78	21.83	33.18	33.13	36.17	-	Pass
		Edge_1RB_Right	19.00	18.93	21.98	33.32	33.28	36.31	-	Pass
		Outer_Full	18.91	18.86	21.90	33.23	33.21	36.23	-	Pass
		Inner_Full	18.85	18.90	21.89	33.17	33.25	36.22	-	Pass
		Inner_1RB_Left	18.89	18.85	21.88	33.21	33.20	36.22	-	Pass
		Inner_1RB_Right	18.86	18.90	21.89	33.18	33.25	36.23	-	Pass
	3624.99	Edge_1RB_Left	18.99	18.93	21.97	33.31	33.28	36.31	-	Pass
		Edge_1RB_Right	18.49	18.61	21.56	32.81	32.96	35.90	-	Pass
		Outer_Full	18.99	18.96	21.99	33.31	33.31	36.32	-	Pass
		Inner_Full	19.17	19.08	22.14	33.49	33.43	36.47	-	Pass
		Inner_1RB_Left	19.02	18.84	21.94	33.34	33.19	36.28	-	Pass
		Inner_1RB_Right	18.59	18.66	21.64	32.91	33.01	35.97	-	Pass
	3654.99	Edge_1RB_Left	18.94	18.89	21.93	33.26	33.24	36.26	-	Pass
		Edge_1RB_Right	18.64	18.58	21.62	32.96	32.93	35.96	-	Pass
		Outer_Full	18.93	18.86	21.91	33.25	33.21	36.24	-	Pass
		Inner_Full	18.96	18.91	21.95	33.28	33.26	36.28	-	Pass
		Inner_1RB_Left	18.90	18.94	21.93	33.22	33.29	36.27	-	Pass
		Inner_1RB_Right	18.58	18.66	21.63	32.90	33.01	35.97	-	Pass
CP-OFDM 16 QAM	3595.02	Edge_1RB_Left	19.00	18.93	21.98	33.32	33.28	36.31	-	Pass
		Edge_1RB_Right	19.03	18.96	22.01	33.35	33.31	36.34	-	Pass
		Outer_Full	18.85	18.92	21.90	33.17	33.27	36.23	-	Pass
		Inner_Full	18.93	18.95	21.95	33.25	33.30	36.29	-	Pass
		Inner_1RB_Left	18.82	18.94	21.89	33.14	33.29	36.23	-	Pass
		Inner_1RB_Right	18.99	19.06	22.04	33.31	33.41	36.37	-	Pass
	3624.99	Edge_1RB_Left	19.01	18.95	21.99	33.33	33.30	36.33	-	Pass
		Edge_1RB_Right	18.68	18.68	21.69	33.00	33.03	36.03	-	Pass
		Outer_Full	18.97	18.97	21.98	33.29	33.32	36.32	-	Pass
		Inner_Full	19.03	19.10	22.08	33.35	33.45	36.41	-	Pass
		Inner_1RB_Left	18.99	18.94	21.98	33.31	33.29	36.31	-	Pass
		Inner_1RB_Right	18.71	18.64	21.69	33.03	32.99	36.02	-	Pass
	3654.99	Edge_1RB_Left	19.08	19.04	22.07	33.40	33.39	36.41	-	Pass
		Edge_1RB_Right	18.78	18.71	21.76	33.10	33.06	36.09	-	Pass
		Outer_Full	18.92	18.87	21.91	33.24	33.22	36.24	-	Pass
		Inner_Full	18.92	18.92	21.93	33.24	33.27	36.27	-	Pass
		Inner_1RB_Left	19.09	18.99	22.05	33.41	33.34	36.39	-	Pass
		Inner_1RB_Right	18.76	18.75	21.77	33.08	33.10	36.10	-	Pass
CP-OFDM 64 QAM	3595.02	Edge_1RB_Left	18.86	18.96	21.92	33.18	33.31	36.26	-	Pass
		Edge_1RB_Right	19.00	19.09	22.06	33.32	33.44	36.39	-	Pass
		Outer_Full	18.84	18.92	21.89	33.16	33.27	36.23	-	Pass
		Inner_Full	18.84	18.90	21.88	33.16	33.25	36.22	-	Pass
		Inner_1RB_Left	19.11	18.93	22.03	33.43	33.28	36.37	-	Pass
		Inner_1RB_Right	19.21	19.09	22.16	33.53	33.44	36.50	-	Pass
	3624.99	Edge_1RB_Left	19.04	19.02	22.04	33.36	33.37	36.38	-	Pass
		Edge_1RB_Right	18.81	18.82	21.83	33.13	33.17	36.16	-	Pass

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CP-OFDM 256 QAM	3654.99	Outer_Full	18.95	18.95	21.96	33.27	33.30	36.30	-	Pass	
		Inner_Full	19.13	19.06	22.11	33.45	33.41	36.44	-	Pass	
		Inner_1RB_Left	19.16	19.02	22.10	33.48	33.37	36.44	-	Pass	
		Inner_1RB_Right	18.79	18.72	21.77	33.11	33.07	36.10	-	Pass	
	3654.99	Edge_1RB_Left	19.08	19.09	22.10	33.40	33.44	36.43	-	Pass	
		Edge_1RB_Right	18.89	18.77	21.84	33.21	33.12	36.18	-	Pass	
		Outer_Full	18.95	18.83	21.90	33.27	33.18	36.24	-	Pass	
		Inner_Full	18.94	18.91	21.94	33.26	33.26	36.27	-	Pass	
	3595.02	3624.99	Inner_1RB_Left	18.98	19.19	22.10	33.30	33.54	36.43	-	Pass
			Inner_1RB_Right	18.78	18.71	21.76	33.10	33.06	36.09	-	Pass
			Edge_1RB_Left	18.83	18.76	21.81	33.15	33.11	36.14	-	Pass
			Edge_1RB_Right	18.93	18.89	21.92	33.25	33.24	36.26	-	Pass
		3654.99	Outer_Full	18.98	19.00	22.00	33.30	33.35	36.34	-	Pass
			Inner_Full	18.89	18.85	21.88	33.21	33.20	36.22	-	Pass
			Inner_1RB_Left	18.92	18.87	21.91	33.24	33.22	36.24	-	Pass
			Inner_1RB_Right	18.88	18.91	21.91	33.20	33.26	36.24	-	Pass
3624.99		Edge_1RB_Left	18.89	18.82	21.87	33.21	33.17	36.20	-	Pass	
		Edge_1RB_Right	18.50	18.57	21.55	32.82	32.92	35.88	-	Pass	
		Outer_Full	19.05	18.98	22.03	33.37	33.33	36.36	-	Pass	
		Inner_Full	19.07	19.11	22.10	33.39	33.46	36.44	-	Pass	
3654.99		Inner_1RB_Left	18.91	18.89	21.91	33.23	33.24	36.25	-	Pass	
		Inner_1RB_Right	18.51	18.51	21.52	32.83	32.86	35.86	-	Pass	
		Edge_1RB_Left	18.87	18.91	21.90	33.19	33.26	36.24	-	Pass	
		Edge_1RB_Right	18.51	18.51	21.52	32.83	32.86	35.86	-	Pass	
3624.99	Outer_Full	18.83	18.92	21.89	33.15	33.27	36.22	-	Pass		
	Inner_Full	19.03	18.95	22.00	33.35	33.30	36.34	-	Pass		
	Inner_1RB_Left	18.96	19.01	22.00	33.28	33.36	36.33	-	Pass		
	Inner_1RB_Right	18.61	18.56	21.60	32.93	32.91	35.93	-	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

2.29 30k\_MIMO\_90MHz\_NTNV\_EIRP/10MHz

2.29.1 Test Result

5G NR n78d SCS=30kHz MIMO 90MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3595.02	Edge_1RB_Left	18.19	18.54	21.38	32.51	32.89	35.71	<=47	Pass
		Edge_1RB_Right	17.46	17.52	20.50	31.78	31.87	34.84	<=47	Pass
		Outer_Full	8.76	8.85	11.82	23.08	23.20	26.15	<=47	Pass
		Inner_Full	11.96	11.60	14.79	26.28	25.95	29.13	<=47	Pass
		Inner_1RB_Left	17.98	18.55	21.28	32.30	32.90	35.62	<=47	Pass
		Inner_1RB_Right	18.68	18.38	21.54	33.00	32.73	35.88	<=47	Pass
	3624.99	Edge_1RB_Left	18.17	18.60	21.40	32.49	32.95	35.74	<=47	Pass
		Edge_1RB_Right	16.99	18.42	20.77	31.31	32.77	35.11	<=47	Pass
		Outer_Full	7.91	8.92	11.45	22.23	23.27	25.79	<=47	Pass
		Inner_Full	11.34	11.01	14.19	25.66	25.36	28.52	<=47	Pass
		Inner_1RB_Left	18.28	18.27	21.29	32.60	32.62	35.62	<=47	Pass
		Inner_1RB_Right	17.31	18.03	20.70	31.63	32.38	35.03	<=47	Pass
	3654.99	Edge_1RB_Left	18.32	17.41	20.90	32.64	31.76	35.23	<=47	Pass

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		Edge_1RB_Right	17.57	17.77	20.68	31.89	32.12	35.02	<=47	Pass
		Outer_Full	8.79	7.31	11.12	23.11	21.66	25.46	<=47	Pass
		Inner_Full	10.83	10.98	13.92	25.15	25.33	28.25	<=47	Pass
		Inner_1RB_Left	18.02	17.71	20.88	32.34	32.06	35.21	<=47	Pass
		Inner_1RB_Right	18.13	16.71	20.49	32.45	31.06	34.82	<=47	Pass
CP-OFDM 16 QAM	3595.02	Edge_1RB_Left	18.22	18.33	21.29	32.54	32.68	35.62	<=47	Pass
		Edge_1RB_Right	17.97	15.87	20.06	32.29	30.22	34.39	<=47	Pass
		Outer_Full	8.66	8.44	11.56	22.98	22.79	25.90	<=47	Pass
		Inner_Full	12.05	12.16	15.12	26.37	26.51	29.45	<=47	Pass
		Inner_1RB_Left	18.45	18.87	21.68	32.77	33.22	36.01	<=47	Pass
	3624.99	Inner_1RB_Right	18.40	18.79	21.61	32.72	33.14	35.95	<=47	Pass
		Edge_1RB_Left	19.01	17.17	21.20	33.33	31.52	35.53	<=47	Pass
		Edge_1RB_Right	18.09	16.60	20.42	32.41	30.95	34.75	<=47	Pass
		Outer_Full	9.04	8.89	11.98	23.36	23.24	26.31	<=47	Pass
		Inner_Full	11.37	10.91	14.16	25.69	25.26	28.49	<=47	Pass
	3654.99	Inner_1RB_Left	17.97	19.84	22.02	32.29	34.19	36.35	<=47	Pass
		Inner_1RB_Right	17.15	17.25	20.21	31.47	31.60	34.55	<=47	Pass
		Edge_1RB_Left	17.64	17.74	20.70	31.96	32.09	35.04	<=47	Pass
		Edge_1RB_Right	17.78	17.80	20.80	32.10	32.15	35.14	<=47	Pass
		Outer_Full	8.42	6.88	10.73	22.74	21.23	25.06	<=47	Pass
CP-OFDM 64 QAM	3595.02	Inner_Full	10.81	9.03	13.02	25.13	23.38	27.35	<=47	Pass
		Inner_1RB_Left	17.98	19.13	21.60	32.30	33.48	35.94	<=47	Pass
		Inner_1RB_Right	17.87	17.79	20.84	32.19	32.14	35.18	<=47	Pass
		Edge_1RB_Left	18.21	17.67	20.96	32.53	32.02	35.29	<=47	Pass
		Edge_1RB_Right	19.04	16.37	20.92	33.36	30.72	35.25	<=47	Pass
	3624.99	Outer_Full	8.89	7.88	11.42	23.21	22.23	25.76	<=47	Pass
		Inner_Full	12.28	11.39	14.87	26.60	25.74	29.20	<=47	Pass
		Inner_1RB_Left	19.12	19.45	22.30	33.44	33.80	36.63	<=47	Pass
		Inner_1RB_Right	18.29	19.13	21.74	32.61	33.48	36.08	<=47	Pass
		Edge_1RB_Left	18.02	16.83	20.48	32.34	31.18	34.81	<=47	Pass
	3654.99	Edge_1RB_Right	17.21	18.98	21.19	31.53	33.33	35.53	<=47	Pass
		Outer_Full	8.53	9.56	12.09	22.85	23.91	26.42	<=47	Pass
		Inner_Full	11.63	12.00	14.83	25.95	26.35	29.16	<=47	Pass
		Inner_1RB_Left	17.74	17.89	20.83	32.06	32.24	35.16	<=47	Pass
		Inner_1RB_Right	16.78	17.90	20.39	31.10	32.25	34.72	<=47	Pass
CP-OFDM 256 QAM	3595.02	Edge_1RB_Left	18.23	19.32	21.82	32.55	33.67	36.16	<=47	Pass
		Edge_1RB_Right	17.76	16.96	20.39	32.08	31.31	34.72	<=47	Pass
		Outer_Full	7.96	7.17	10.59	22.28	21.52	24.93	<=47	Pass
		Inner_Full	11.04	11.60	14.34	25.36	25.95	28.68	<=47	Pass
		Inner_1RB_Left	18.57	18.40	21.50	32.89	32.75	35.83	<=47	Pass
	3624.99	Inner_1RB_Right	18.31	17.82	21.08	32.63	32.17	35.42	<=47	Pass
		Edge_1RB_Left	18.29	17.51	20.93	32.61	31.86	35.26	<=47	Pass
		Edge_1RB_Right	17.10	18.96	21.14	31.42	33.31	35.48	<=47	Pass
		Outer_Full	8.76	8.85	11.82	23.08	23.20	26.15	<=47	Pass
		Inner_Full	12.25	12.34	15.31	26.57	26.69	29.64	<=47	Pass
	3654.99	Inner_1RB_Left	17.09	17.76	20.45	31.41	32.11	34.78	<=47	Pass
		Inner_1RB_Right	17.86	18.02	20.95	32.18	32.37	35.29	<=47	Pass
		Edge_1RB_Left	18.37	18.26	21.33	32.69	32.61	35.66	<=47	Pass
		Edge_1RB_Right	16.69	17.57	20.16	31.01	31.92	34.50	<=47	Pass
		Outer_Full	8.56	8.72	11.65	22.88	23.07	25.99	<=47	Pass
		Inner_Full	11.34	11.36	14.36	25.66	25.71	28.70	<=47	Pass
		Inner_1RB_Left	18.76	18.79	21.79	33.08	33.14	36.12	<=47	Pass
		Inner_1RB_Right	16.80	16.74	19.78	31.12	31.09	34.12	<=47	Pass
		Edge_1RB_Left	18.17	18.31	21.25	32.49	32.66	35.59	<=47	Pass

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	Edge_1RB_Right	17.63	18.33	21.00	31.95	32.68	35.34	<=47	Pass
	Outer_Full	7.38	7.80	10.61	21.70	22.15	24.94	<=47	Pass
	Inner_Full	11.35	11.64	14.51	25.67	25.99	28.84	<=47	Pass
	Inner_1RB_Left	18.44	18.51	21.49	32.76	32.86	35.82	<=47	Pass
	Inner_1RB_Right	17.66	16.94	20.33	31.98	31.29	34.66	<=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

## 2.30 30k\_MIMO\_90MHz\_NTNV\_PSD

### 2.30.1 Test Result

5G NR n78d SCS=30kHz MIMO 90MHz 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	3595.02	Edge_1RB_Left	16.97	16.56	19.78	31.29	30.91	34.11	<=37	Pass
		Edge_1RB_Right	18.18	18.32	21.26	32.50	32.67	35.60	<=37	Pass
		Outer_Full	1.21	1.95	4.61	15.53	16.30	18.94	<=37	Pass
		Inner_Full	3.26	3.79	6.54	17.58	18.14	20.88	<=37	Pass
		Inner_1RB_Left	19.23	18.74	22.00	33.55	33.09	36.34	<=37	Pass
		Inner_1RB_Right	16.40	17.62	20.06	30.72	31.97	34.40	<=37	Pass
	3624.99	Edge_1RB_Left	17.88	18.84	21.40	32.20	33.19	35.73	<=37	Pass
		Edge_1RB_Right	15.58	17.56	19.69	29.90	31.91	34.03	<=37	Pass
		Outer_Full	-0.10	-0.62	2.66	14.22	13.73	16.99	<=37	Pass
		Inner_Full	2.56	0.90	4.82	16.88	15.25	19.15	<=37	Pass
		Inner_1RB_Left	18.40	16.95	20.75	32.72	31.30	35.08	<=37	Pass
		Inner_1RB_Right	16.18	17.66	19.99	30.50	32.01	34.33	<=37	Pass
	3654.99	Edge_1RB_Left	17.92	18.89	21.44	32.24	33.24	35.78	<=37	Pass
		Edge_1RB_Right	17.37	14.40	19.14	31.69	28.75	33.47	<=37	Pass
		Outer_Full	-1.35	-1.47	1.60	12.97	12.88	15.94	<=37	Pass
		Inner_Full	1.02	1.37	4.21	15.34	15.72	18.54	<=37	Pass
		Inner_1RB_Left	17.87	16.89	20.42	32.19	31.24	34.75	<=37	Pass
		Inner_1RB_Right	19.85	15.63	21.24	34.17	29.98	35.57	<=37	Pass
CP-OFDM 16 QAM	3595.02	Edge_1RB_Left	17.26	18.30	20.82	31.58	32.65	35.16	<=37	Pass
		Edge_1RB_Right	16.27	16.22	19.26	30.59	30.57	33.59	<=37	Pass
		Outer_Full	0.25	2.01	4.23	14.57	16.36	18.57	<=37	Pass
		Inner_Full	4.06	4.30	7.19	18.38	18.65	21.53	<=37	Pass
		Inner_1RB_Left	17.48	20.33	22.15	31.80	34.68	36.48	<=37	Pass
		Inner_1RB_Right	16.18	14.17	18.30	30.50	28.52	32.63	<=37	Pass
	3624.99	Edge_1RB_Left	17.49	19.58	21.67	31.81	33.93	36.01	<=37	Pass
		Edge_1RB_Right	18.85	18.09	21.50	33.17	32.44	35.83	<=37	Pass
		Outer_Full	-0.09	2.46	4.38	14.23	16.81	18.72	<=37	Pass
		Inner_Full	1.96	2.29	5.14	16.28	16.64	19.47	<=37	Pass
		Inner_1RB_Left	17.54	15.22	19.54	31.86	29.57	33.87	<=37	Pass
		Inner_1RB_Right	18.29	17.14	20.76	32.61	31.49	35.10	<=37	Pass
	3654.99	Edge_1RB_Left	18.12	17.89	21.02	32.44	32.24	35.35	<=37	Pass
		Edge_1RB_Right	16.45	17.92	20.26	30.77	32.27	34.59	<=37	Pass
		Outer_Full	-0.78	1.31	3.40	13.54	15.66	17.74	<=37	Pass
		Inner_Full	1.94	4.26	6.26	16.26	18.61	20.60	<=37	Pass
		Inner_1RB_Left	17.92	17.51	20.73	32.24	31.86	35.06	<=37	Pass
		Inner_1RB_Right	16.96	16.69	19.84	31.28	31.04	34.17	<=37	Pass

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CP-OFDM 64 QAM	3595.02	Edge_1RB_Left	18.33	19.71	22.08	32.65	34.06	36.42	<=37	Pass
		Edge_1RB_Right	18.66	18.33	21.51	32.98	32.68	35.84	<=37	Pass
		Outer_Full	0.00	1.74	3.97	14.32	16.09	18.30	<=37	Pass
		Inner_Full	3.29	5.19	7.35	17.61	19.54	21.69	<=37	Pass
		Inner_1RB_Left	17.22	18.99	21.20	31.54	33.34	35.54	<=37	Pass
		Inner_1RB_Right	18.38	15.40	20.15	32.70	29.75	34.48	<=37	Pass
	3624.99	Edge_1RB_Left	19.00	19.28	22.15	33.32	33.63	36.49	<=37	Pass
		Edge_1RB_Right	18.19	18.42	21.32	32.51	32.77	35.65	<=37	Pass
		Outer_Full	1.19	0.61	3.92	15.51	14.96	18.25	<=37	Pass
		Inner_Full	2.54	3.08	5.83	16.86	17.43	20.16	<=37	Pass
		Inner_1RB_Left	17.96	17.55	20.77	32.28	31.90	35.10	<=37	Pass
		Inner_1RB_Right	16.10	20.38	21.76	30.42	34.73	36.10	<=37	Pass
	3654.99	Edge_1RB_Left	18.30	17.51	20.93	32.62	31.86	35.27	<=37	Pass
		Edge_1RB_Right	19.18	17.28	21.34	33.50	31.63	35.68	<=37	Pass
		Outer_Full	-0.25	0.33	3.06	14.07	14.68	17.40	<=37	Pass
Inner_Full		2.79	2.91	5.86	17.11	17.26	20.20	<=37	Pass	
Inner_1RB_Left		16.97	17.44	20.22	31.29	31.79	34.56	<=37	Pass	
Inner_1RB_Right		18.69	18.86	21.79	33.01	33.21	36.12	<=37	Pass	
CP-OFDM 256 QAM	3595.02	Edge_1RB_Left	16.95	18.90	21.04	31.27	33.25	35.38	<=37	Pass
		Edge_1RB_Right	17.58	12.68	18.80	31.90	27.03	33.12	<=37	Pass
		Outer_Full	0.17	1.31	3.79	14.49	15.66	18.12	<=37	Pass
		Inner_Full	3.15	3.26	6.22	17.47	17.61	20.55	<=37	Pass
		Inner_1RB_Left	19.00	19.85	22.46	33.32	34.20	36.79	<=37	Pass
		Inner_1RB_Right	17.08	17.78	20.45	31.40	32.13	34.79	<=37	Pass
	3624.99	Edge_1RB_Left	17.73	17.69	20.72	32.05	32.04	35.06	<=37	Pass
		Edge_1RB_Right	17.15	17.46	20.32	31.47	31.81	34.65	<=37	Pass
		Outer_Full	0.36	1.71	4.10	14.68	16.06	18.43	<=37	Pass
		Inner_Full	2.44	5.18	7.03	16.76	19.53	21.37	<=37	Pass
		Inner_1RB_Left	17.56	17.60	20.59	31.88	31.95	34.93	<=37	Pass
		Inner_1RB_Right	17.05	17.46	20.27	31.37	31.81	34.61	<=37	Pass
	3654.99	Edge_1RB_Left	16.62	19.61	21.38	30.94	33.96	35.72	<=37	Pass
		Edge_1RB_Right	18.50	17.20	20.91	32.82	31.55	35.24	<=37	Pass
		Outer_Full	1.11	0.72	3.93	15.43	15.07	18.26	<=37	Pass
Inner_Full		3.62	2.90	6.29	17.94	17.25	20.62	<=37	Pass	
Inner_1RB_Left		18.55	18.09	21.34	32.87	32.44	35.67	<=37	Pass	
Inner_1RB_Right		17.69	16.90	20.32	32.01	31.25	34.66	<=37	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>										



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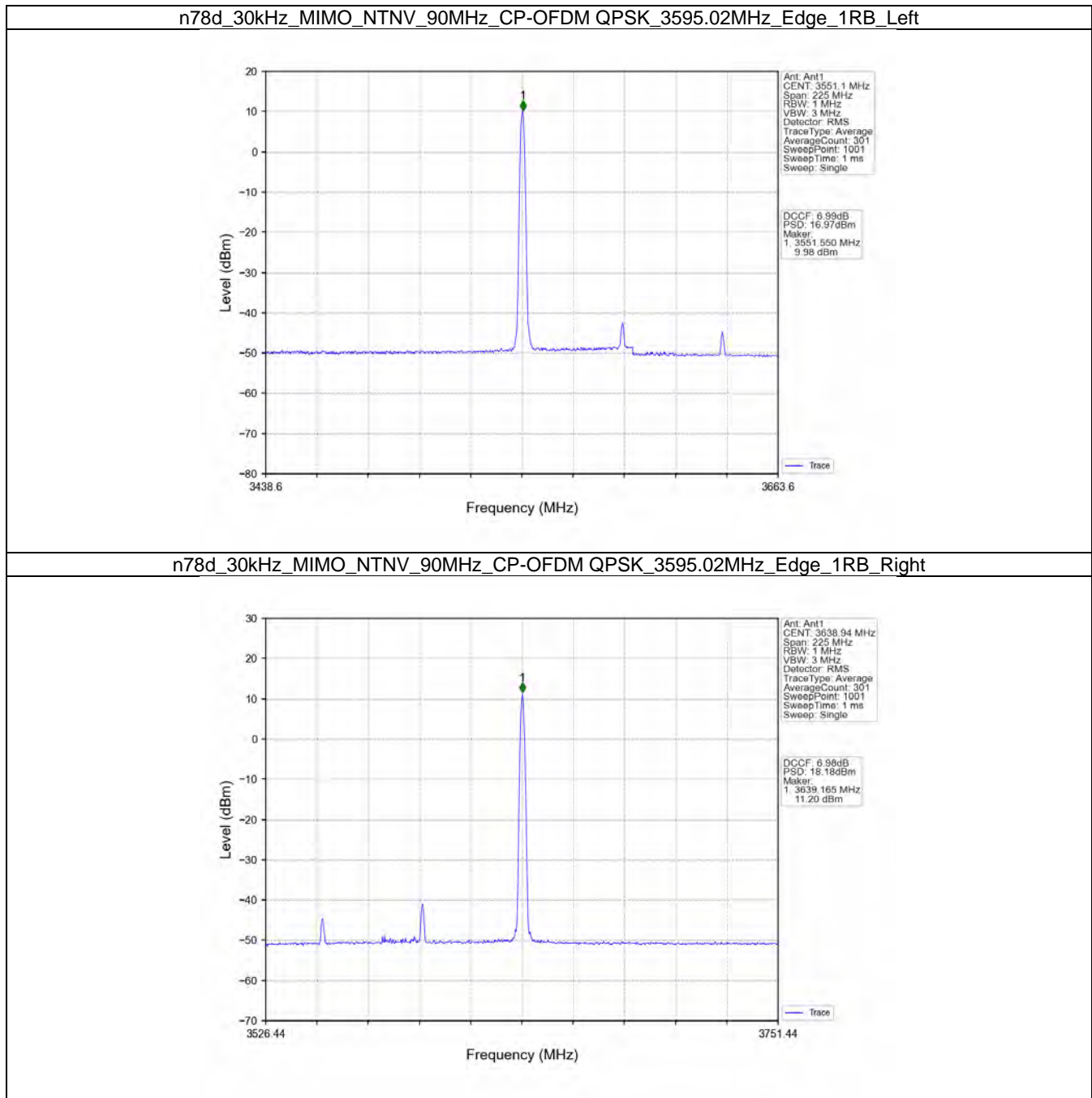
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2.30.2 Test Graph for ANT1



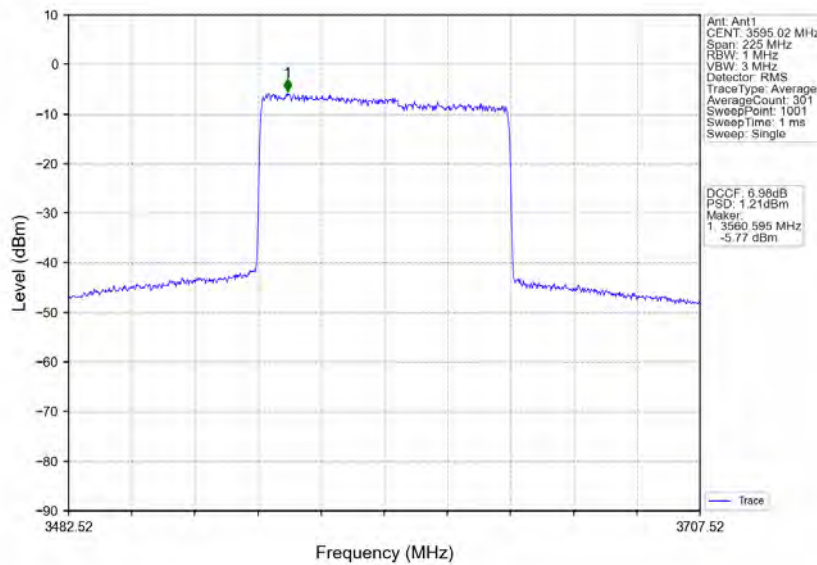
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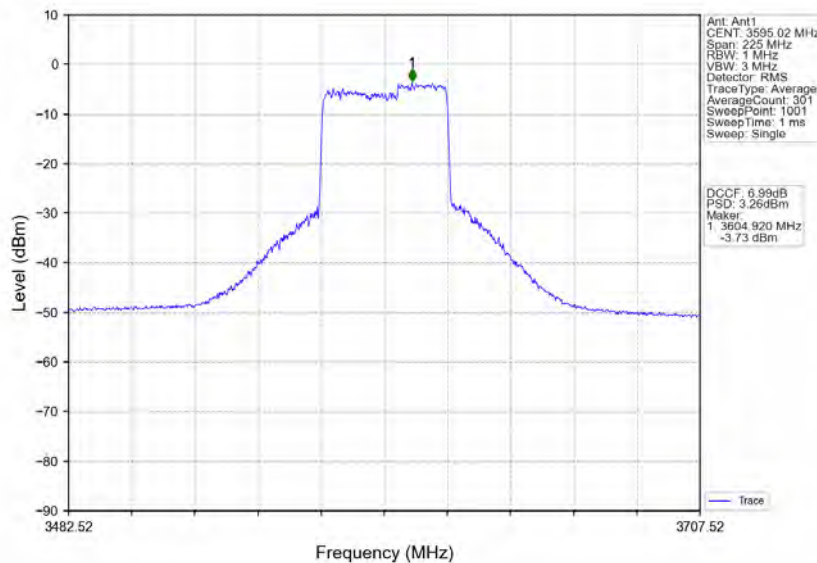
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n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM QPSK\_3595.02MHz\_Outer\_Full



n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM QPSK\_3595.02MHz\_Inner\_Full



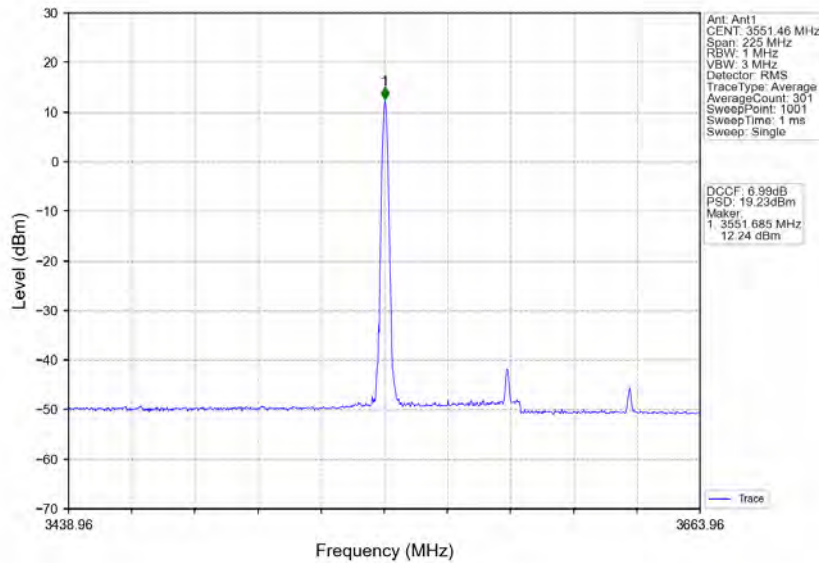
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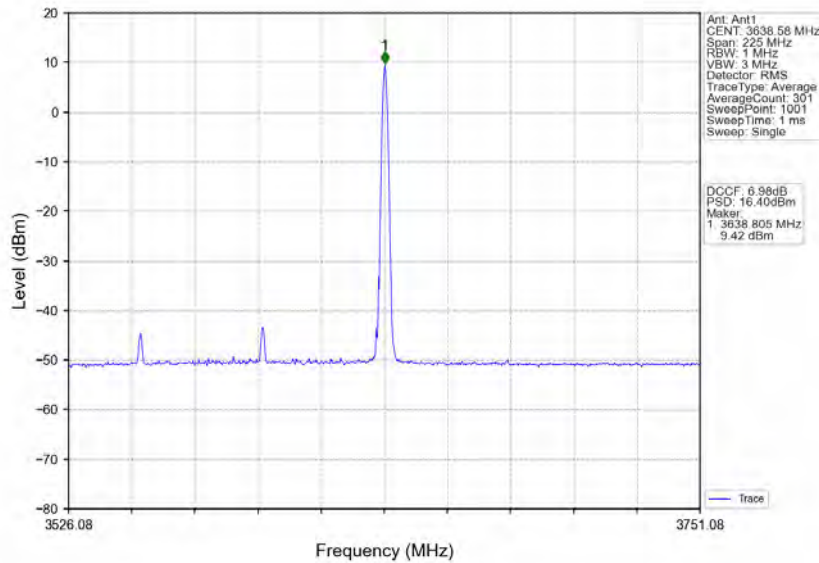
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n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM QPSK\_3595.02MHz\_Inner\_1RB\_Right



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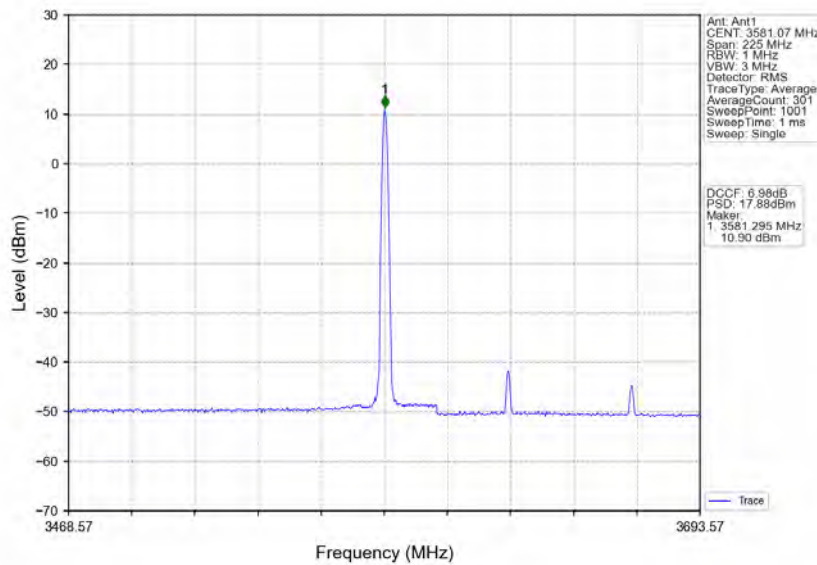
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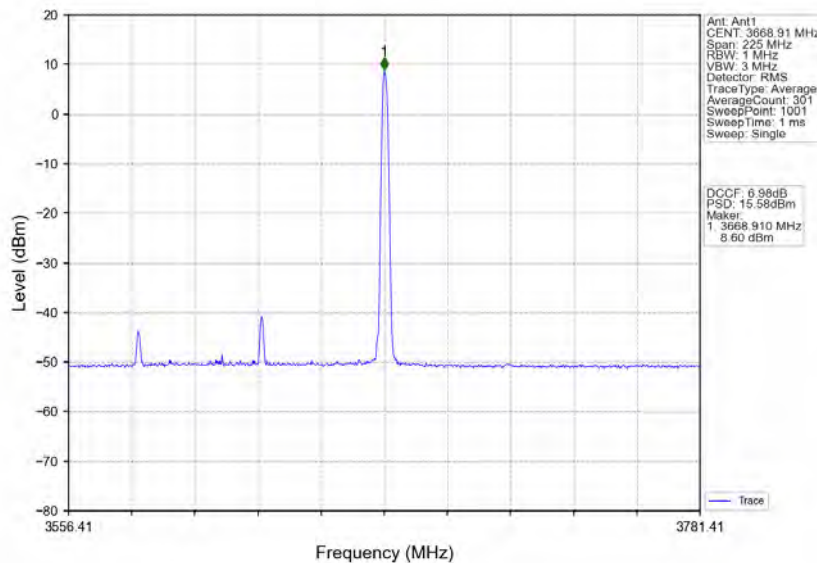
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n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM QPSK\_3624.99MHz\_Edge\_1RB\_Left



n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM QPSK\_3624.99MHz\_Edge\_1RB\_Right



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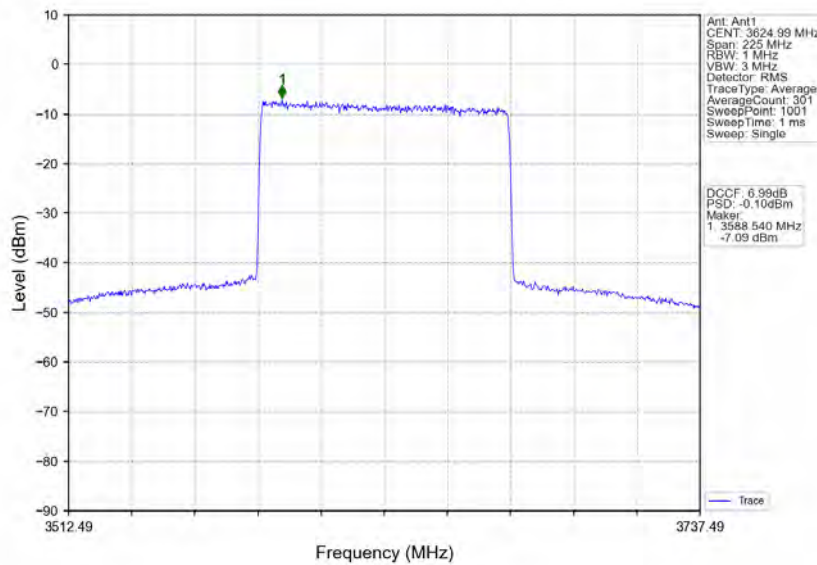
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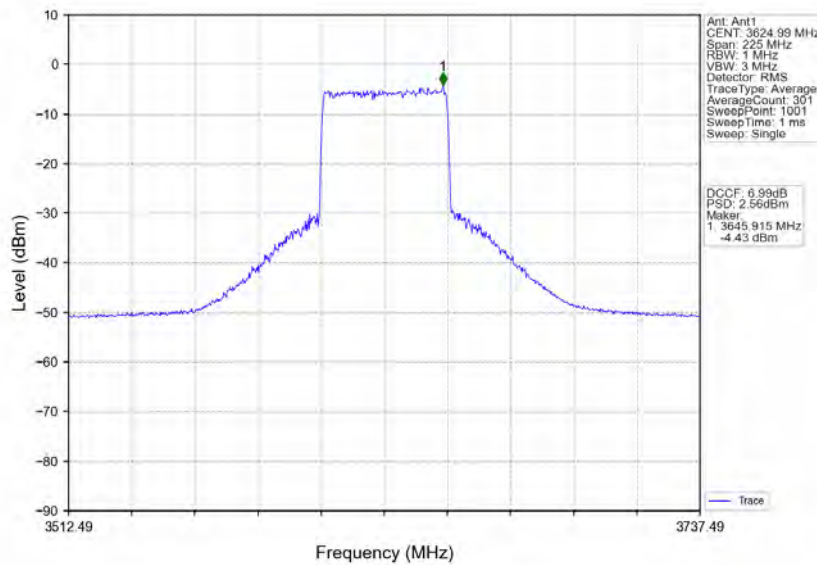
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n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM QPSK\_3624.99MHz\_Inner\_Full



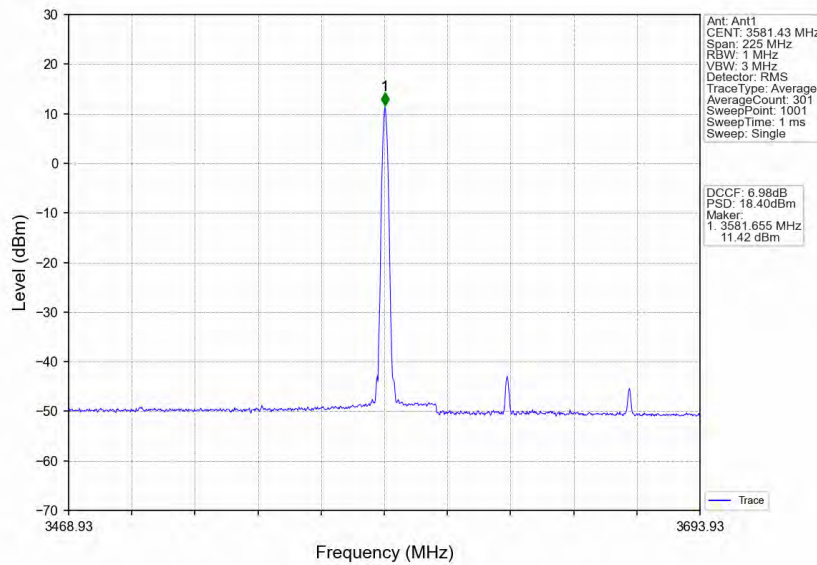
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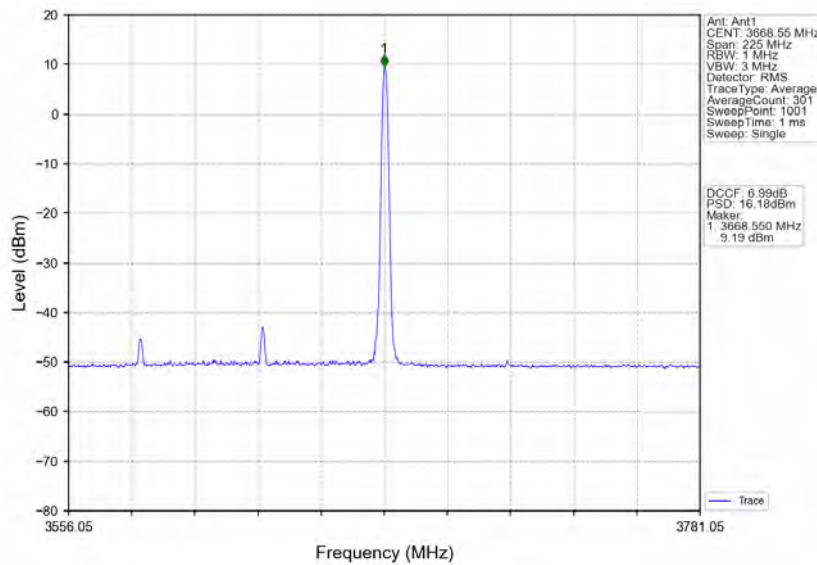
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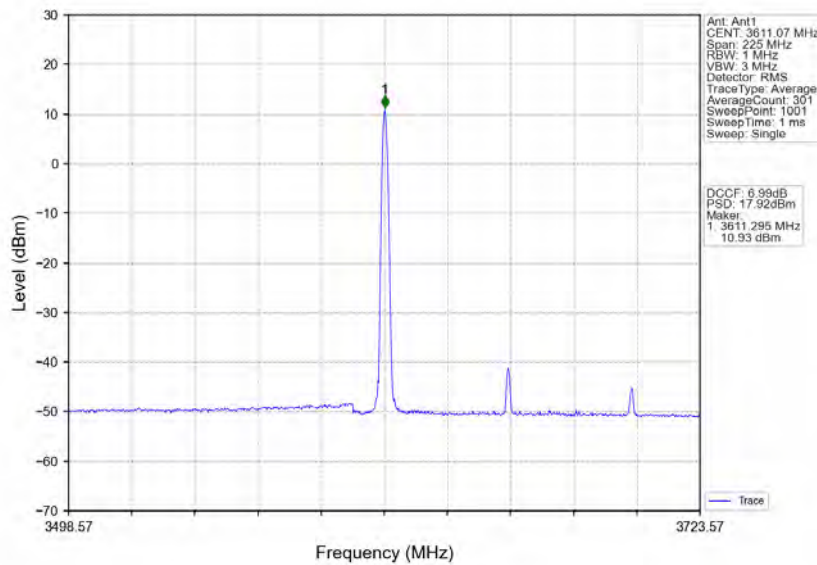
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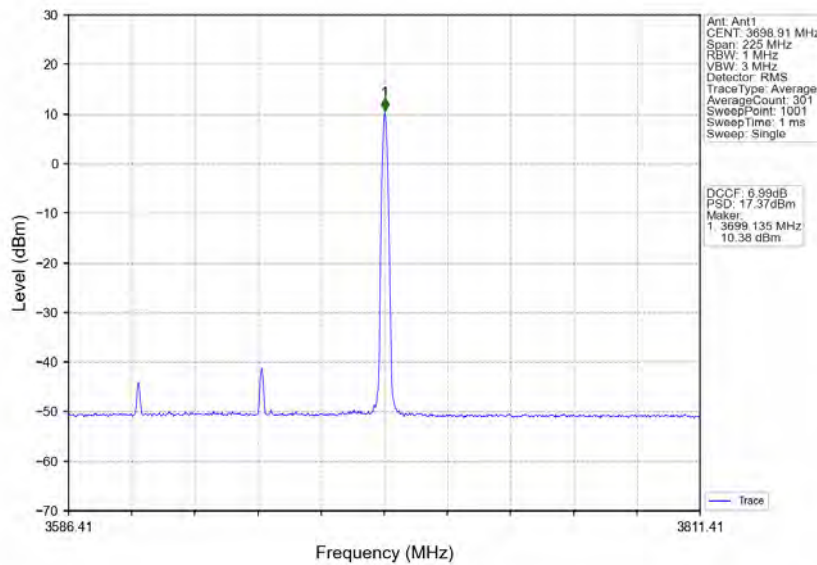
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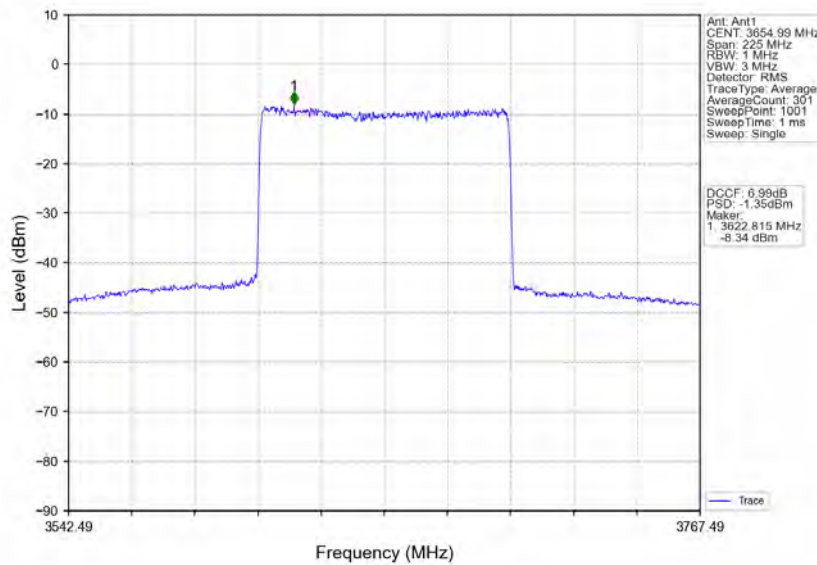
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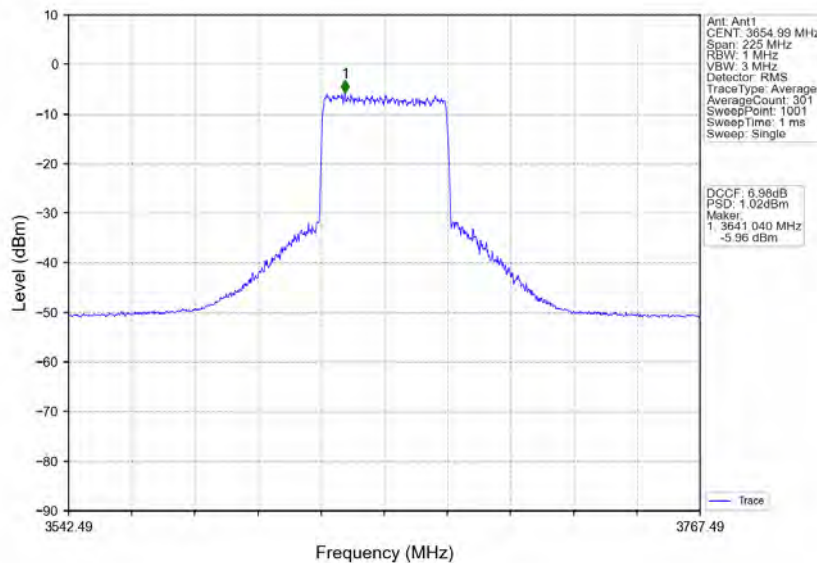
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n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM QPSK\_3654.99MHz\_Inner\_Full



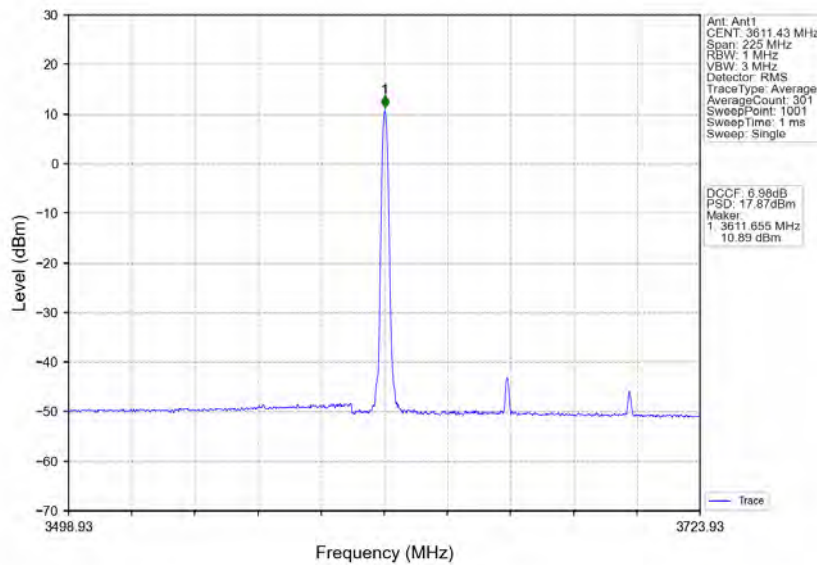
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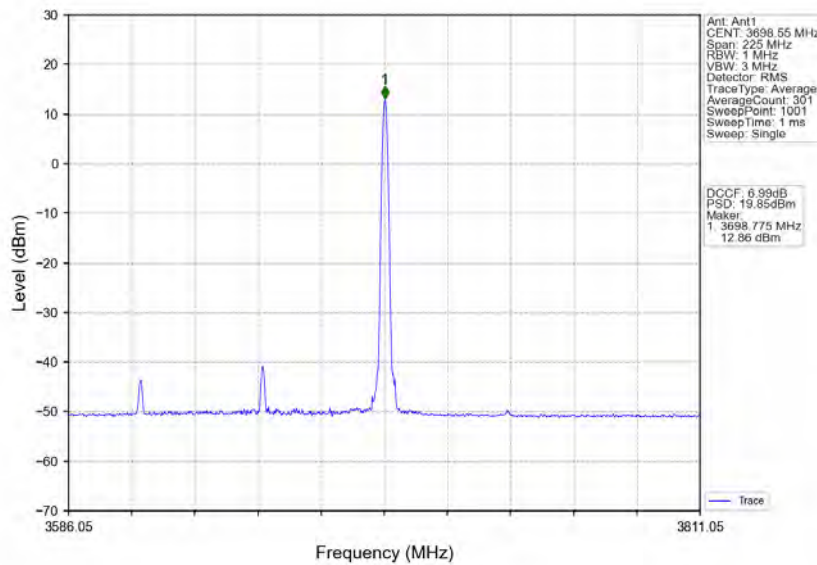
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n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM QPSK\_3654.99MHz\_Inner\_1RB\_Left



n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM QPSK\_3654.99MHz\_Inner\_1RB\_Right



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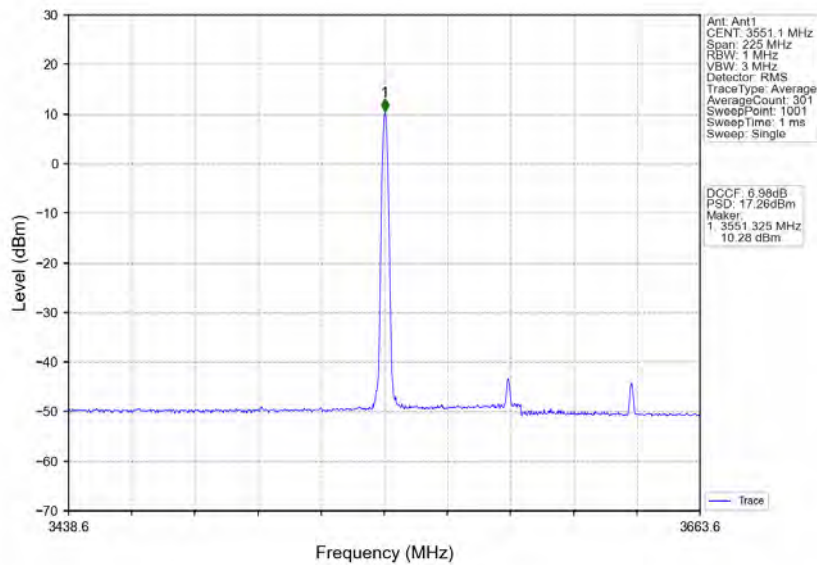
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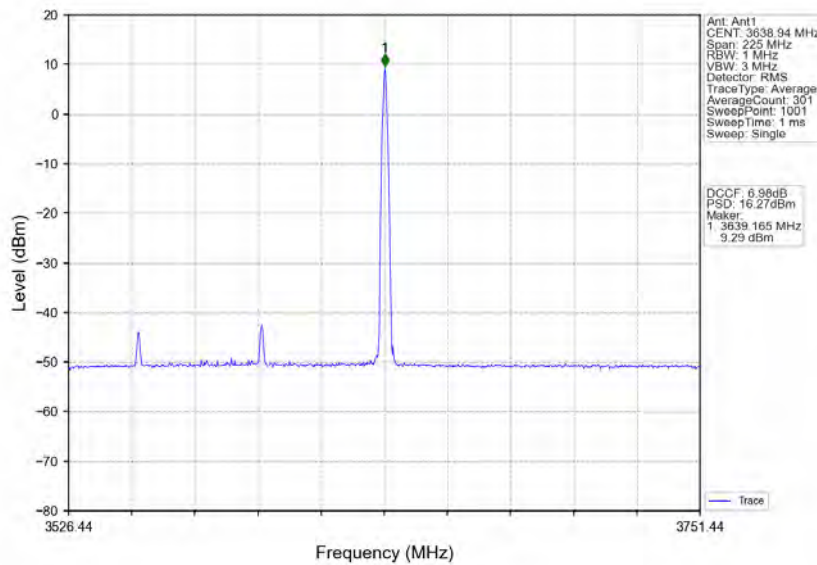
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n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM 16 QAM\_3595.02MHz\_Edge\_1RB\_Left



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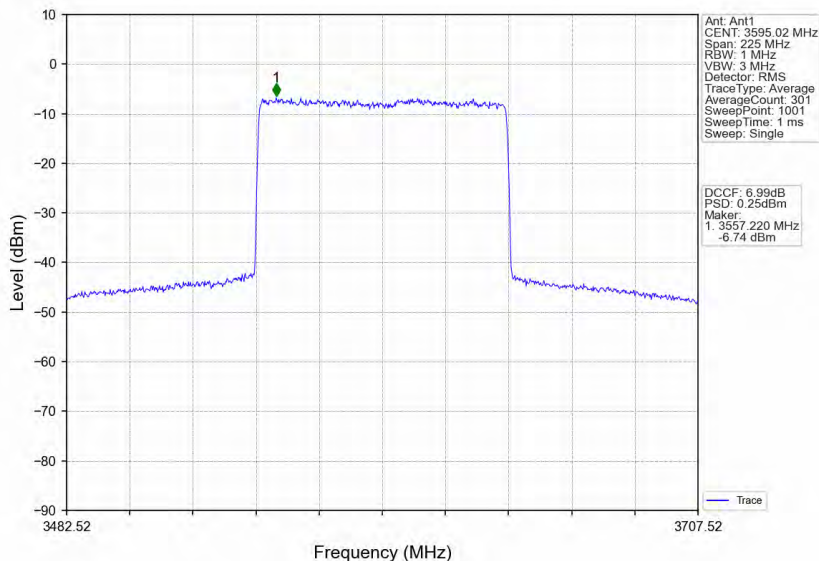
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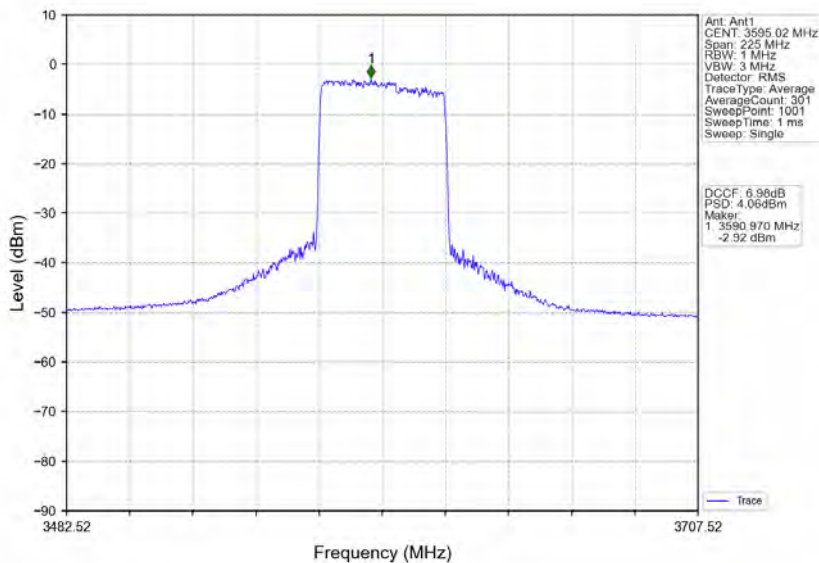
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n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM 16 QAM\_3595.02MHz\_Outer\_Full



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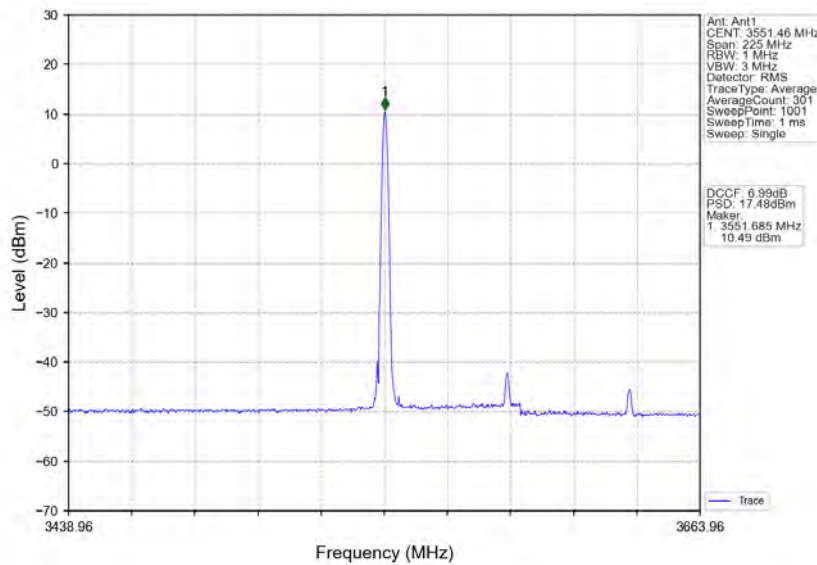
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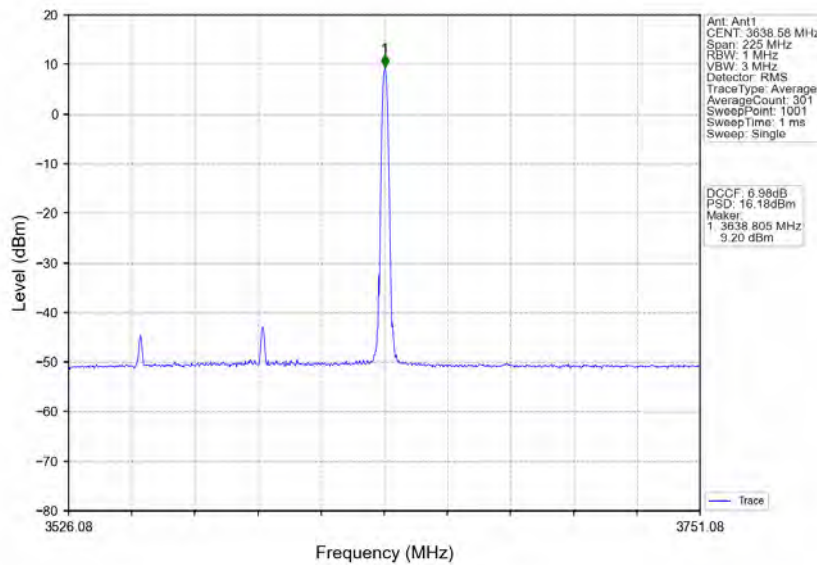
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n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM 16 QAM\_3595.02MHz\_Inner\_1RB\_Left



n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM 16 QAM\_3595.02MHz\_Inner\_1RB\_Right



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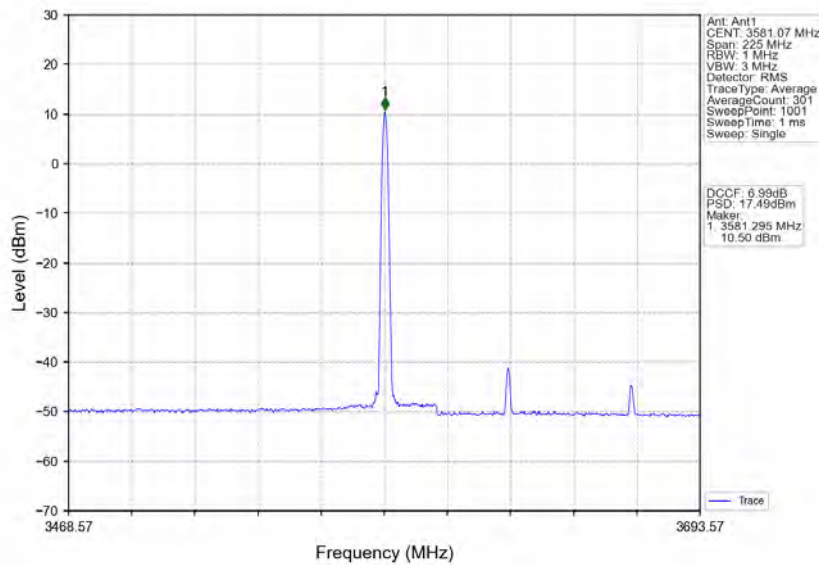
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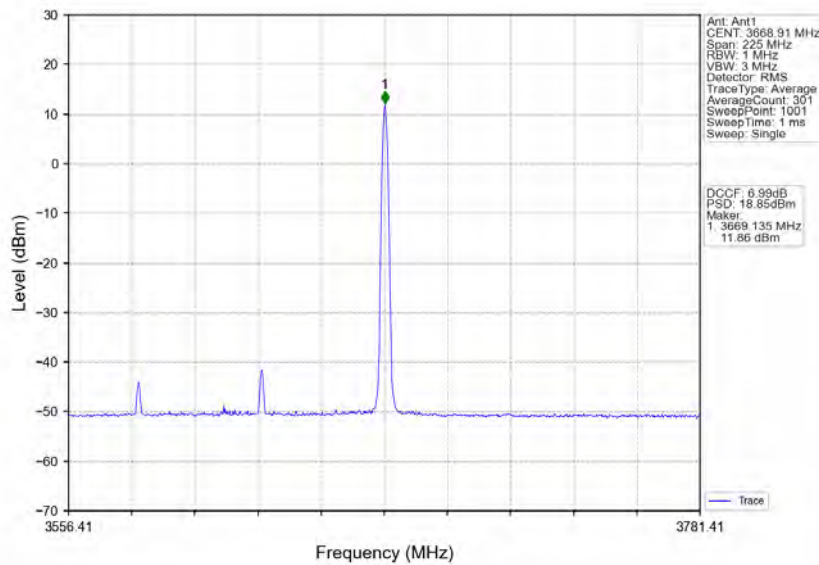
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n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Edge\_1RB\_Left



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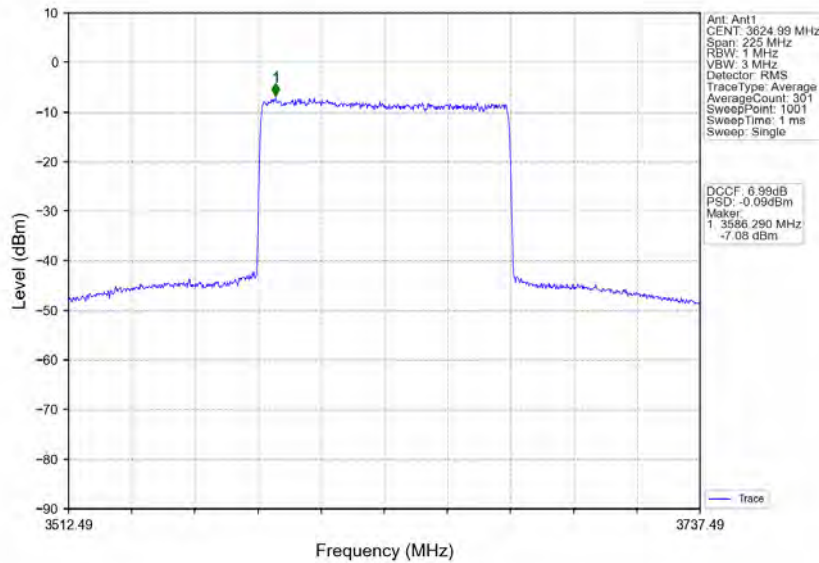
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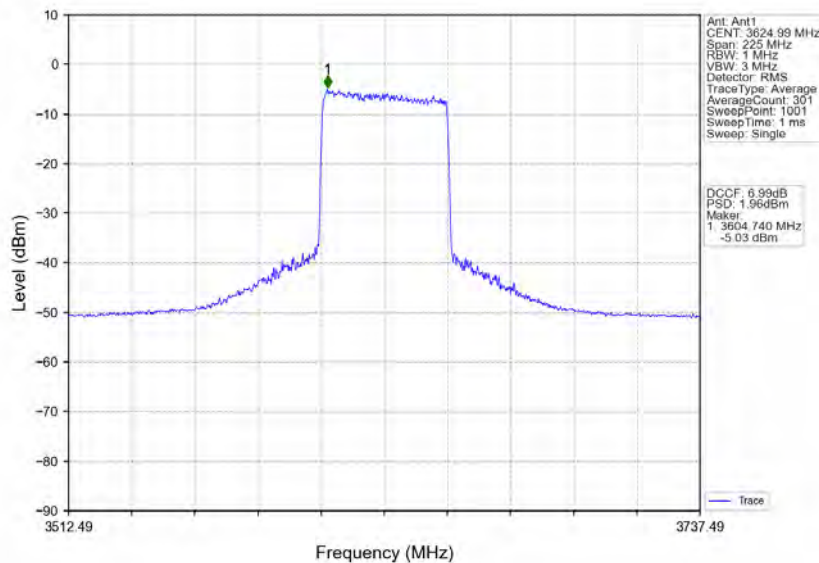
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n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Outer\_Full



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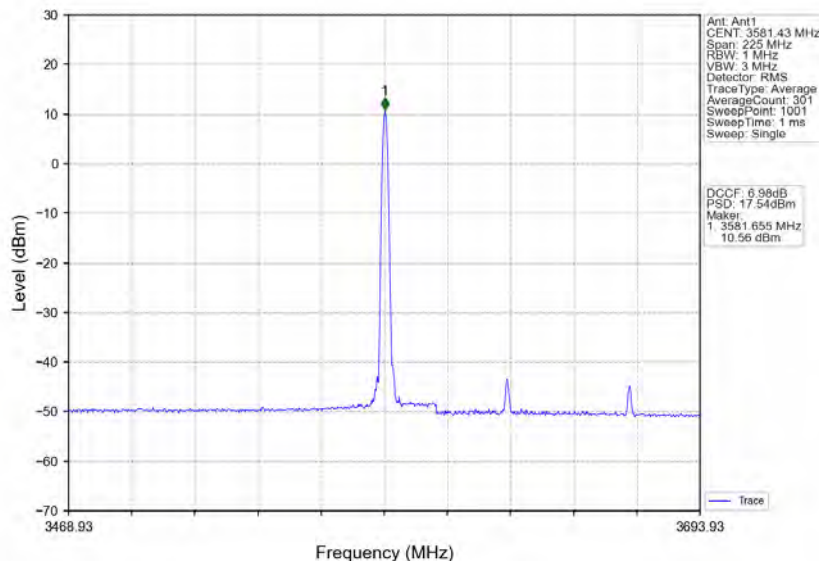
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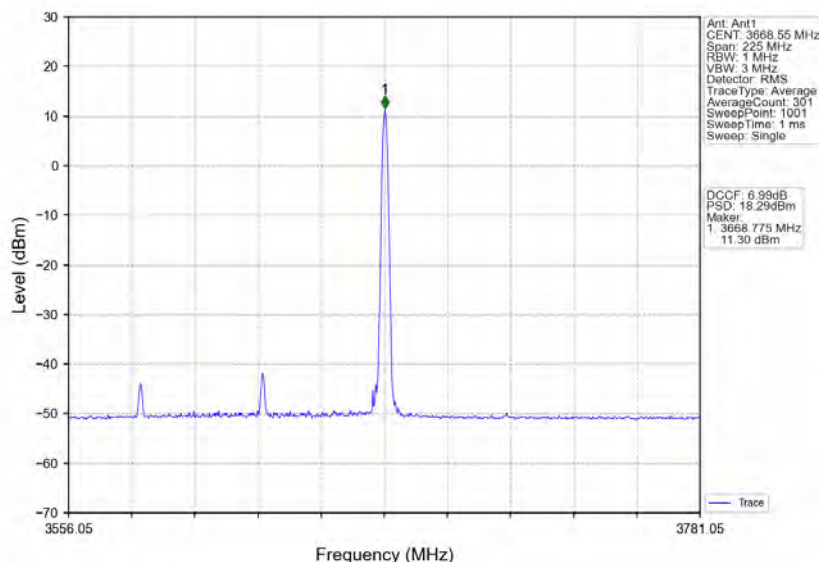
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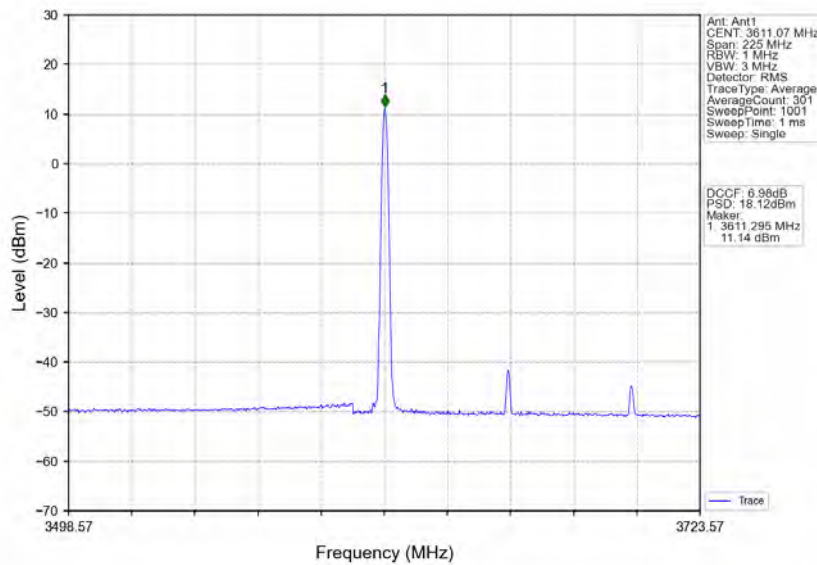
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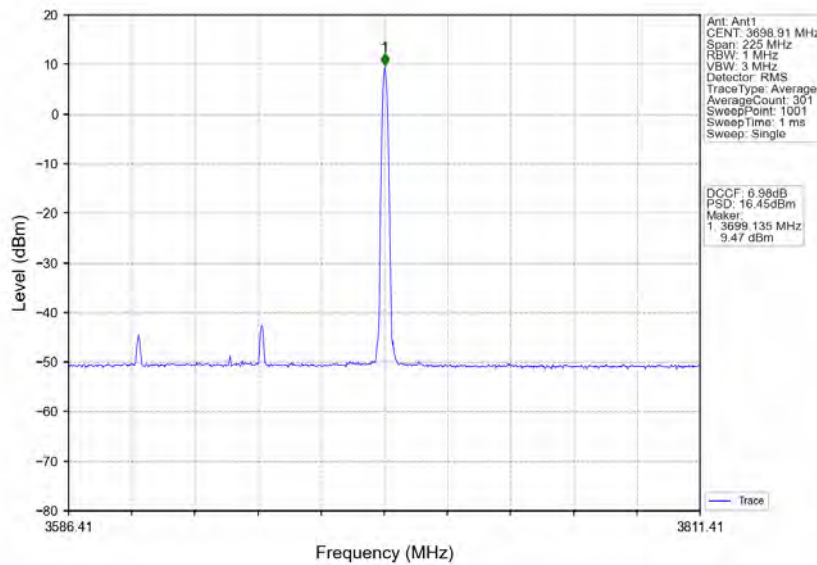
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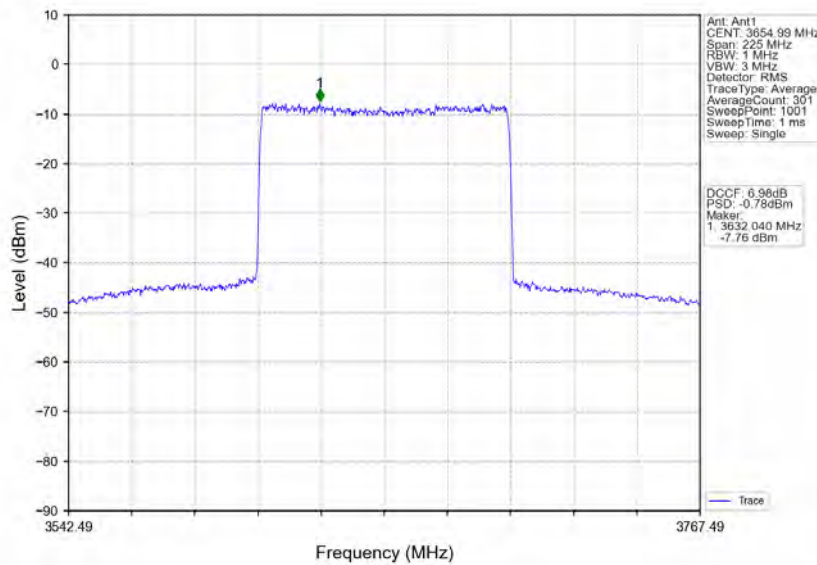
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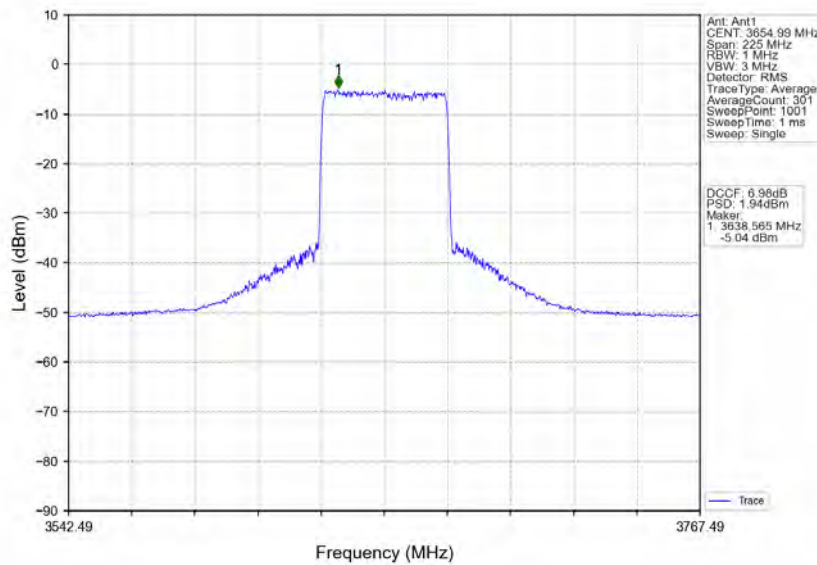
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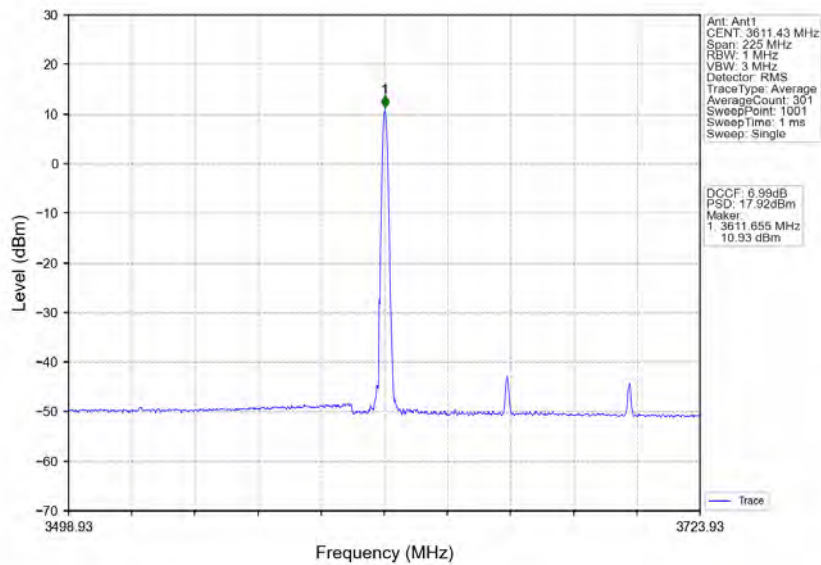
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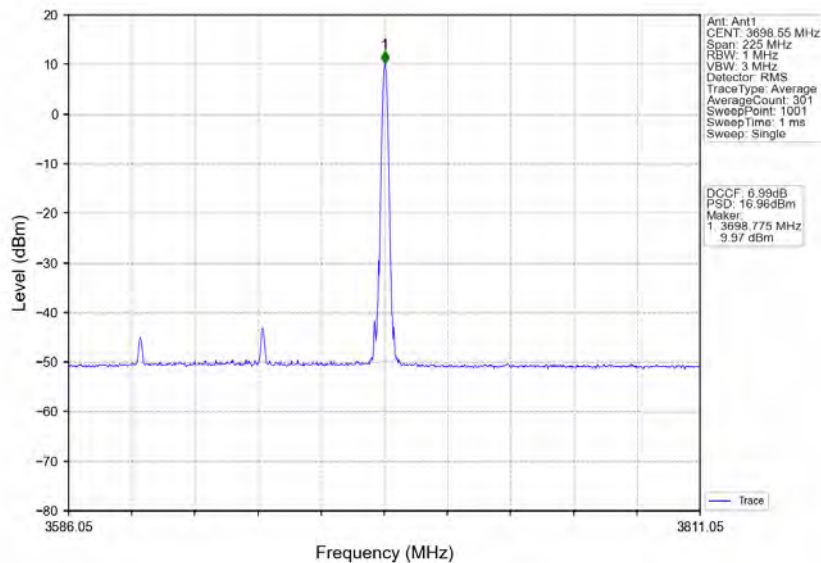
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n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM 16 QAM\_3654.99MHz\_Inner\_1RB\_Left



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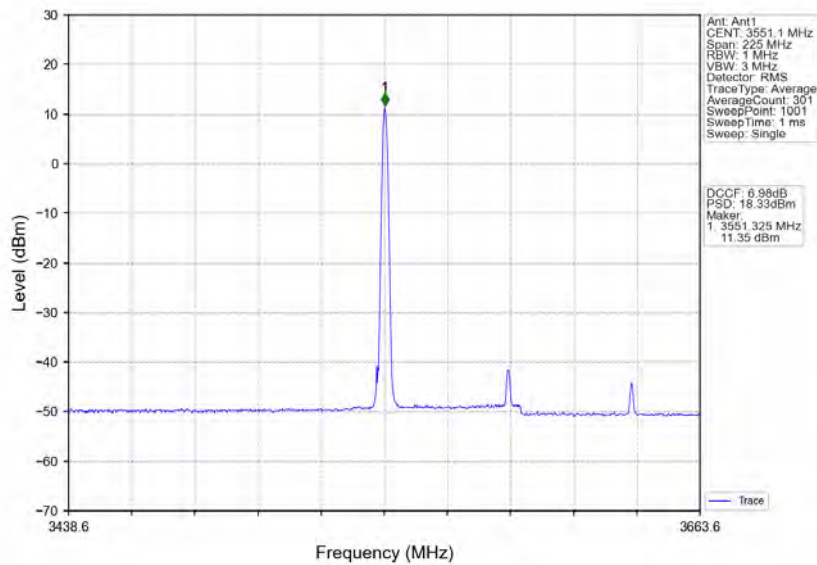
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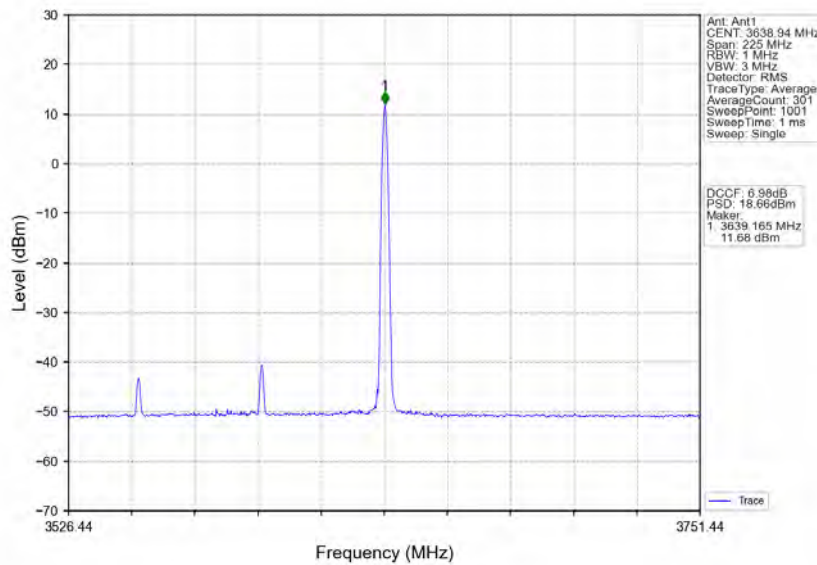
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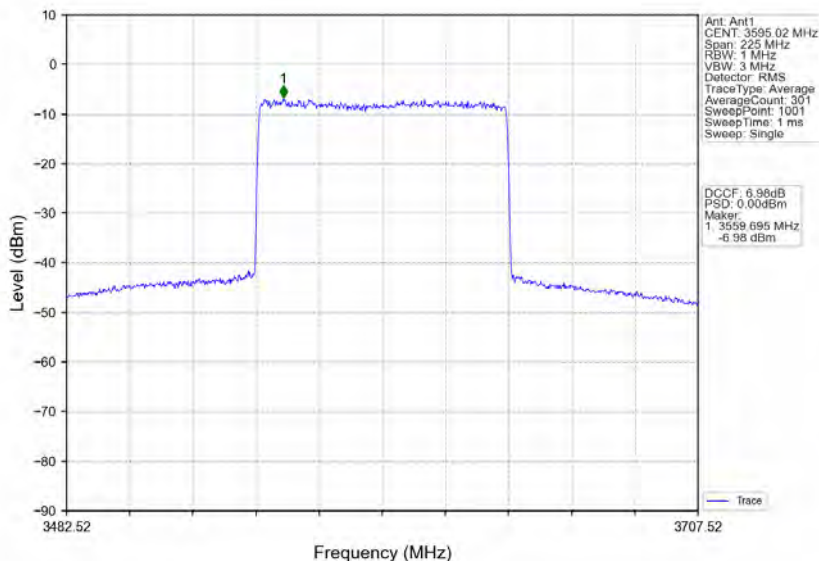
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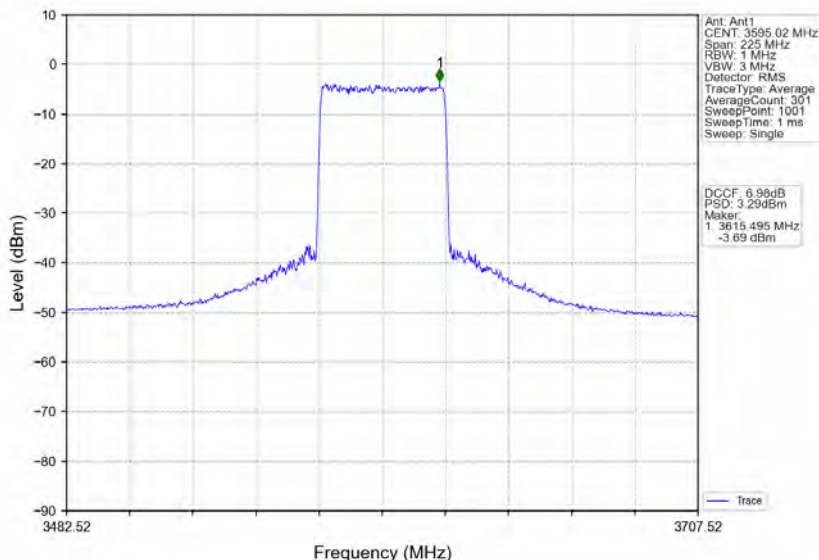
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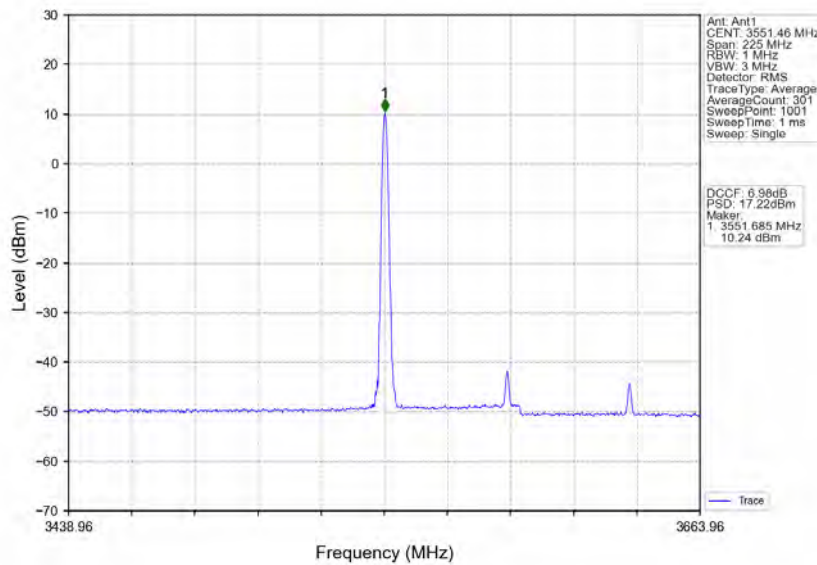


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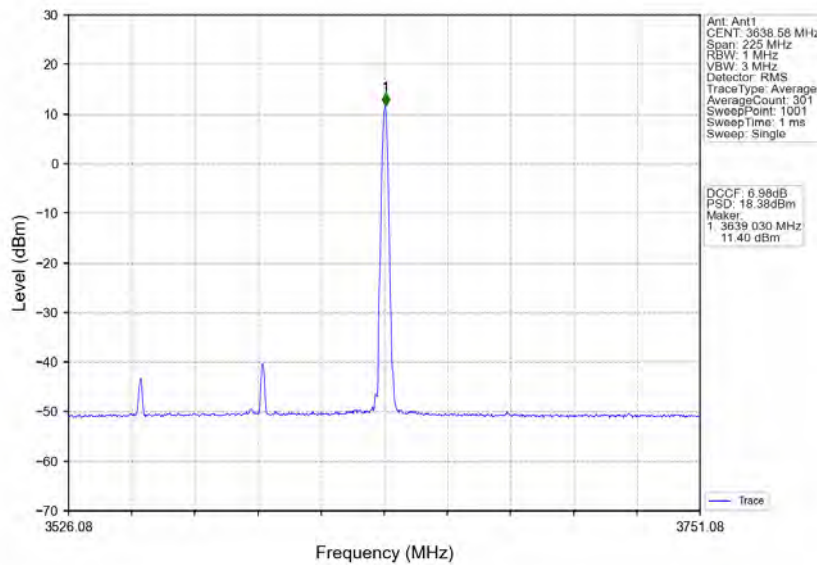
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n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM 64 QAM\_3595.02MHz\_Inner\_1RB\_Right



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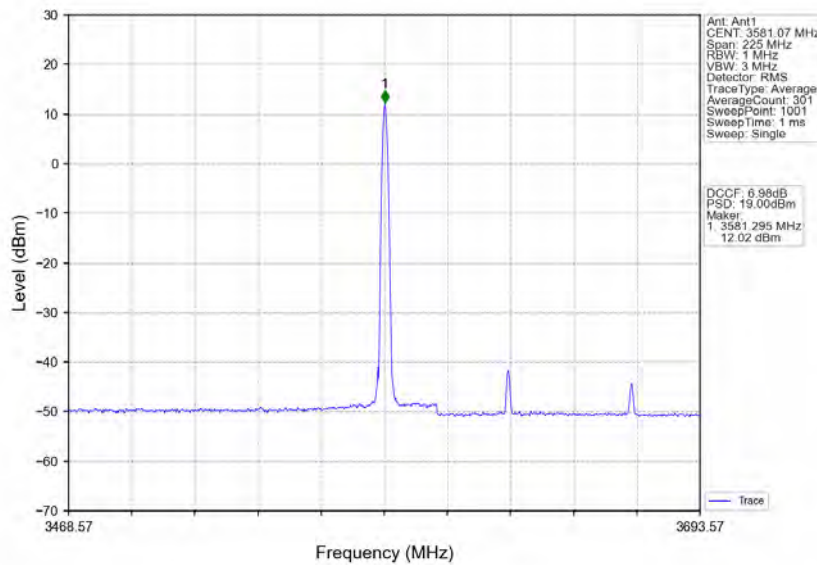
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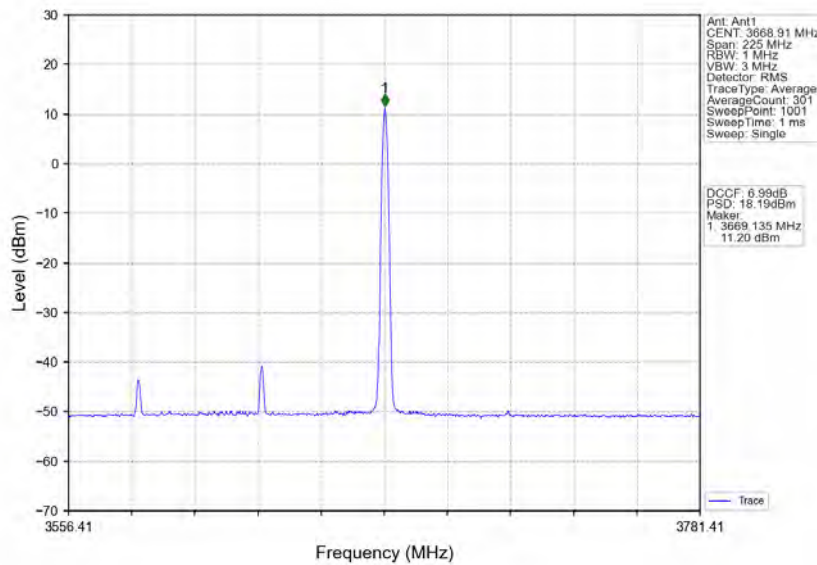
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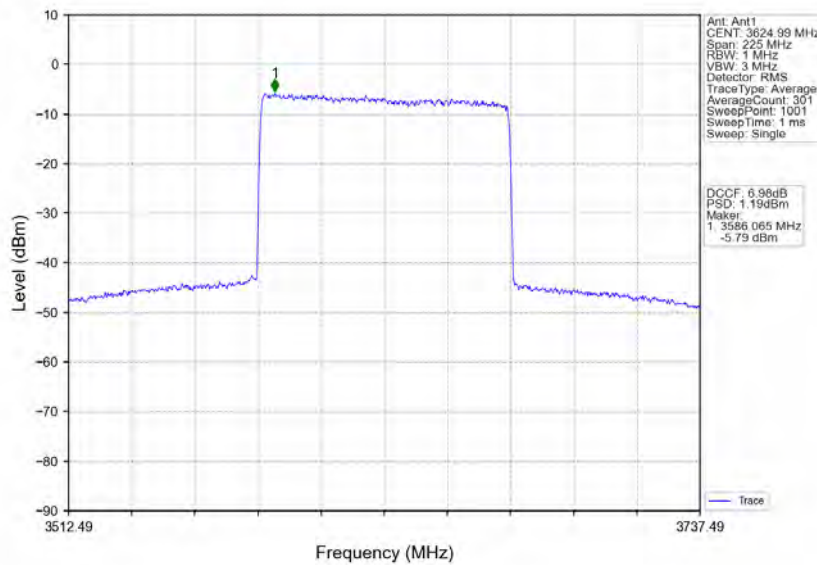
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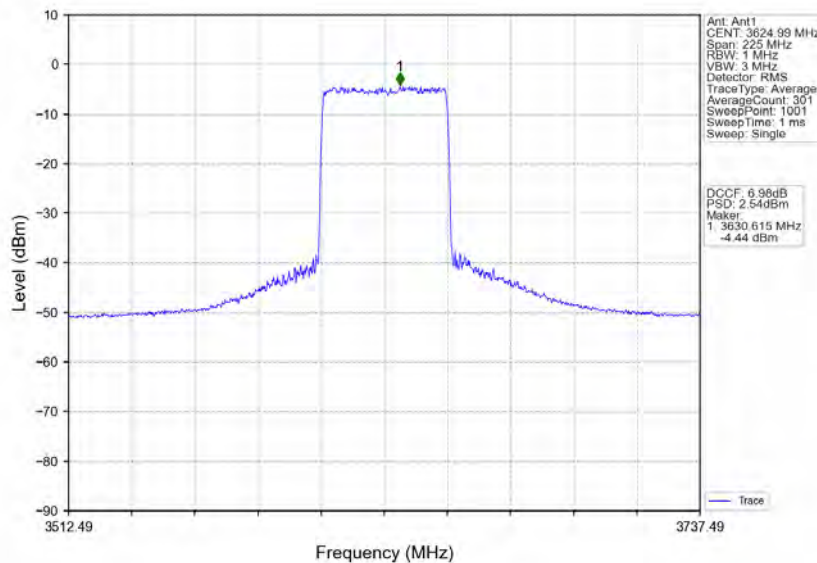
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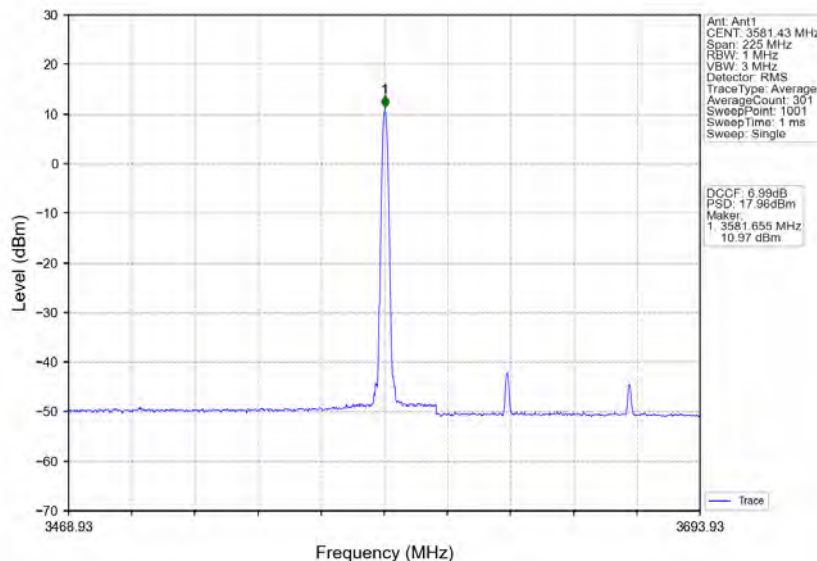
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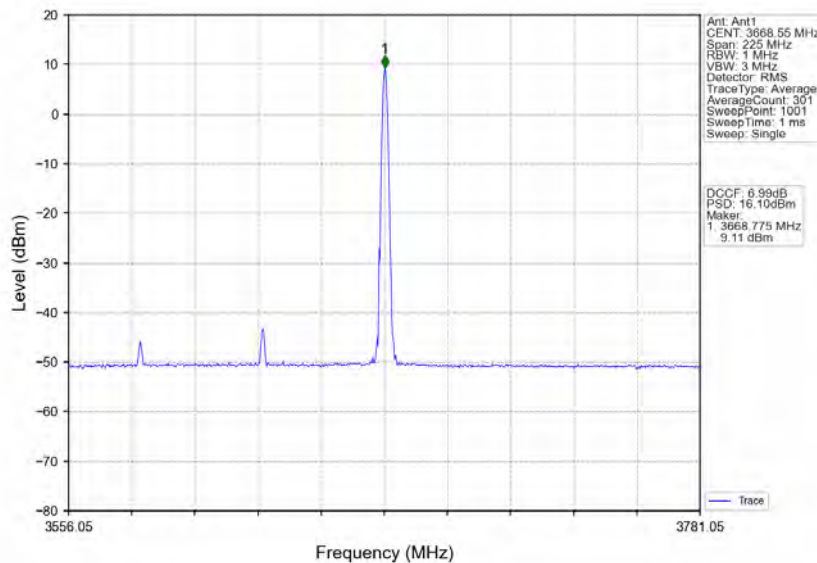
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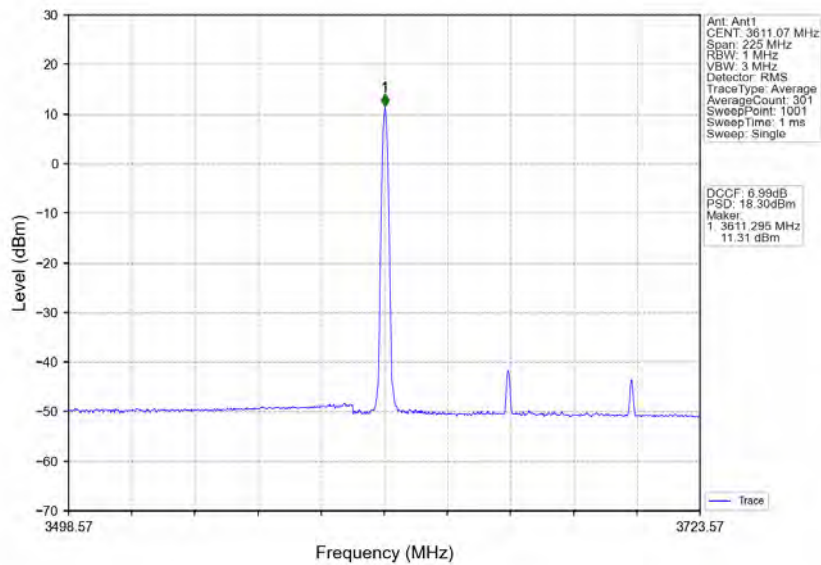
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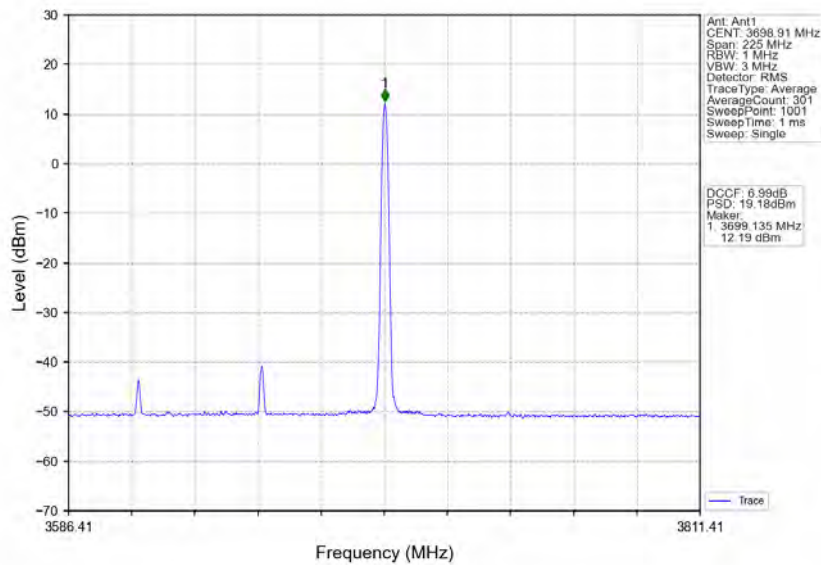
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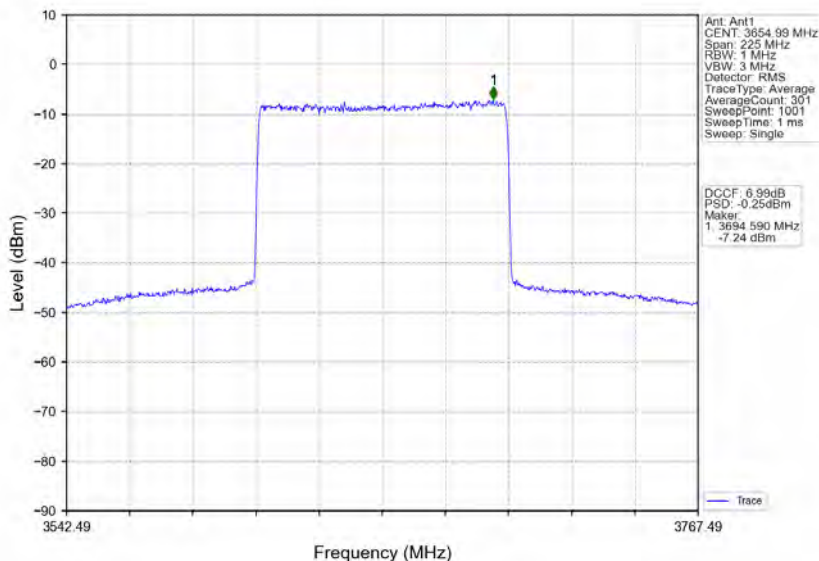
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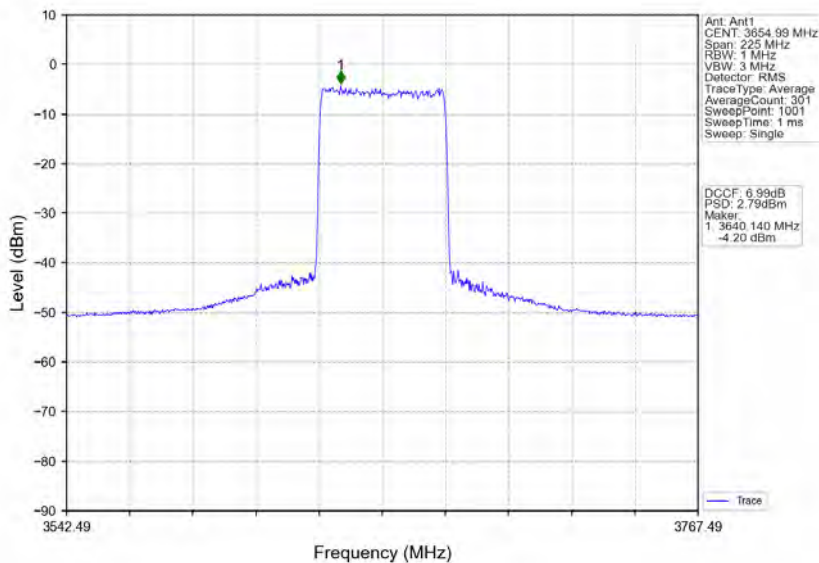
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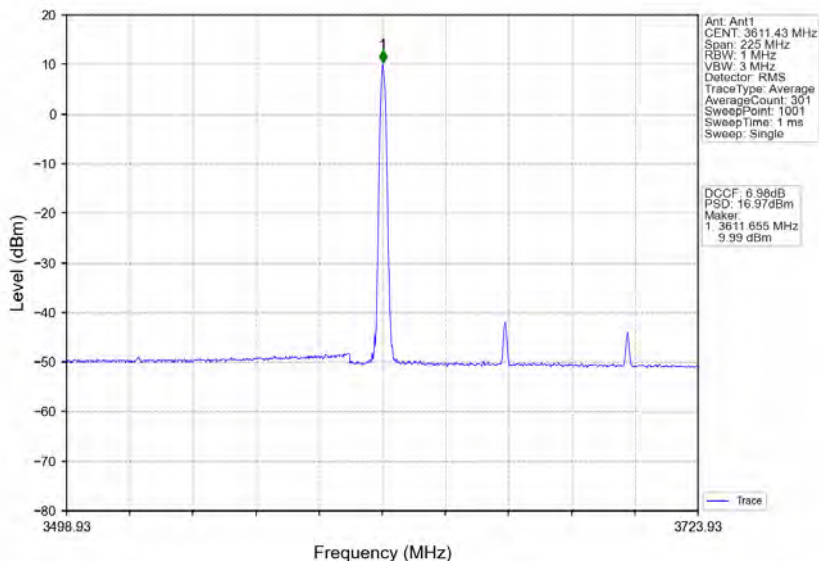
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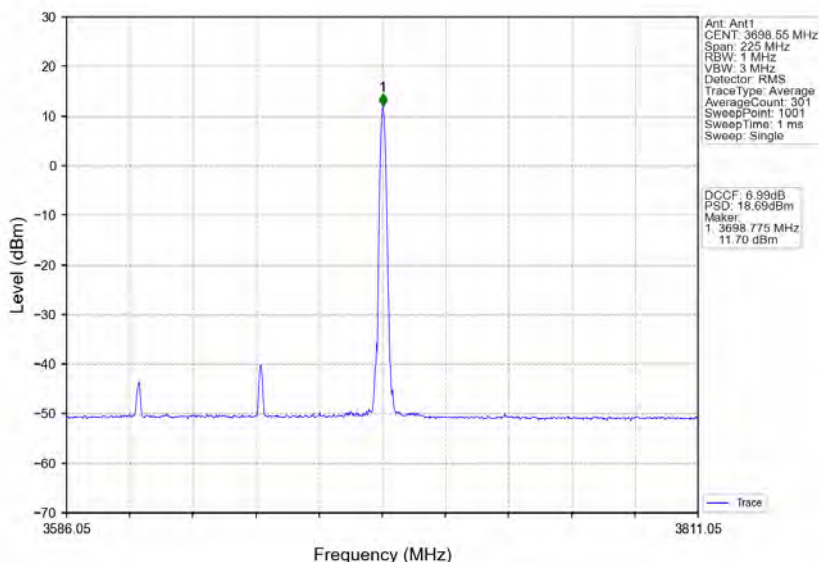
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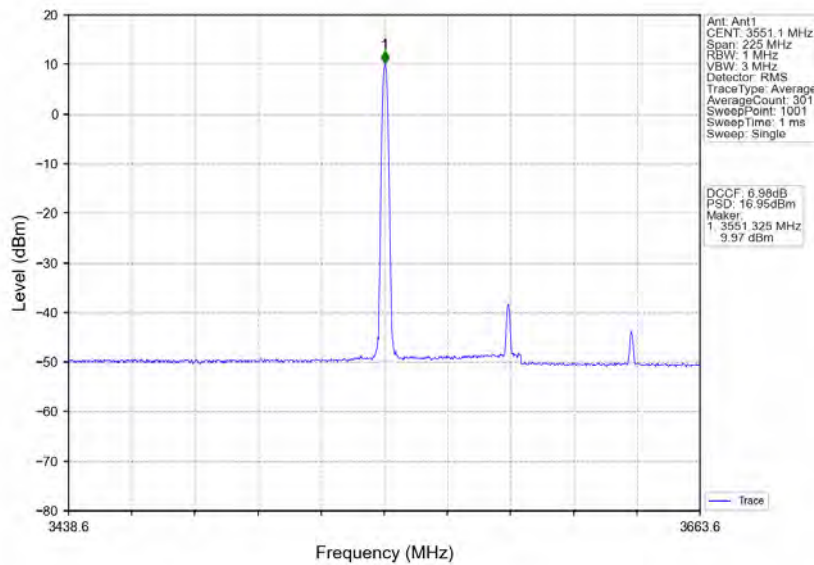
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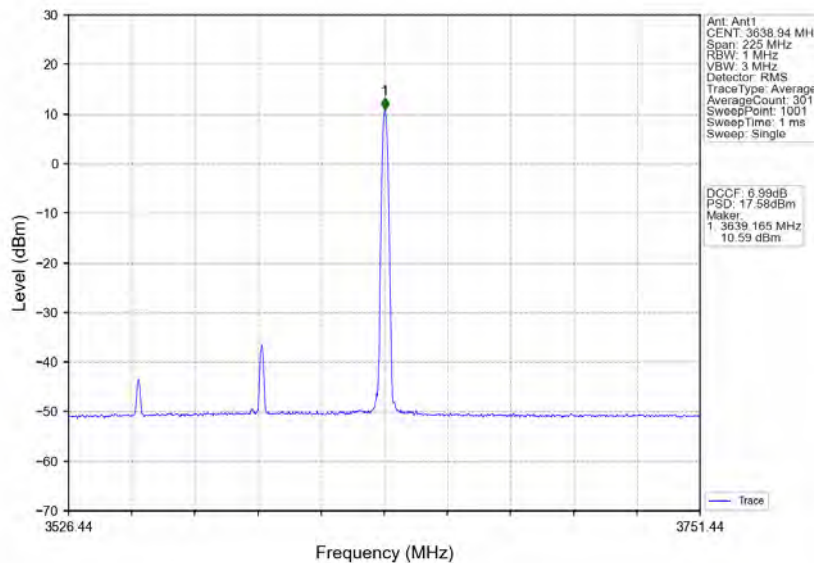




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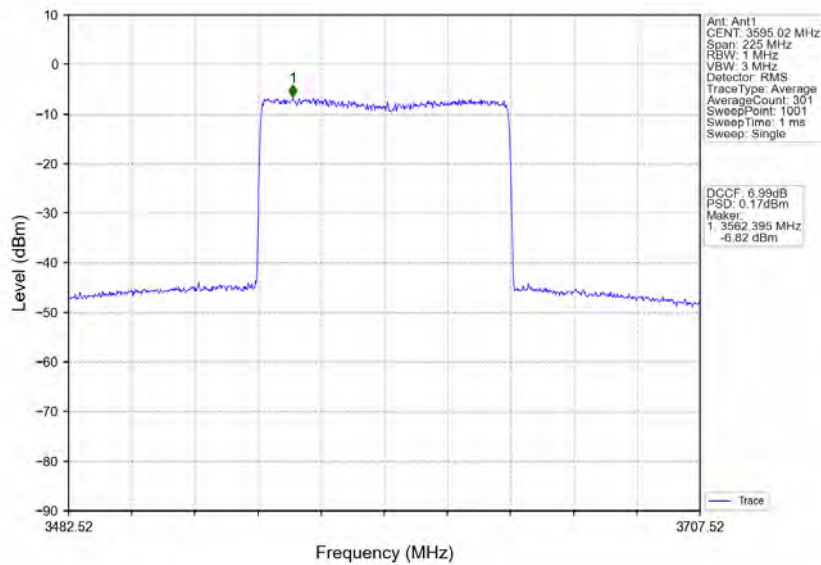
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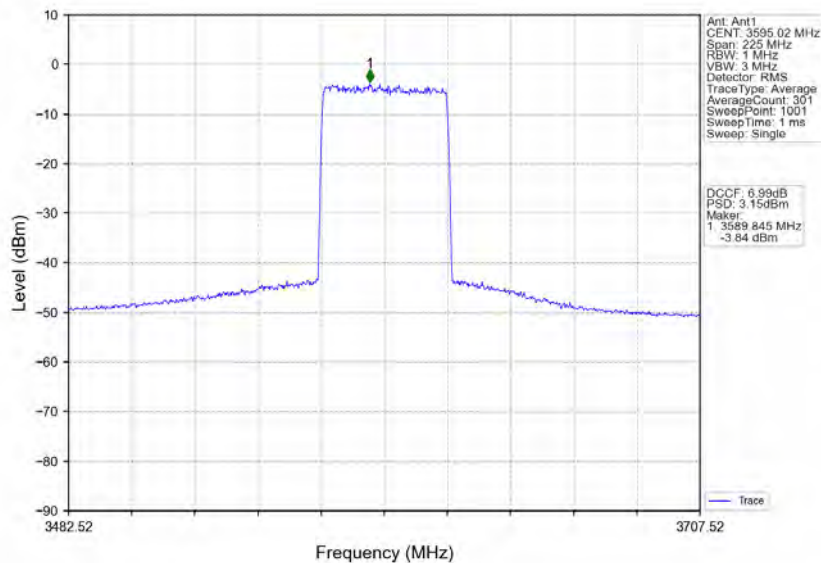
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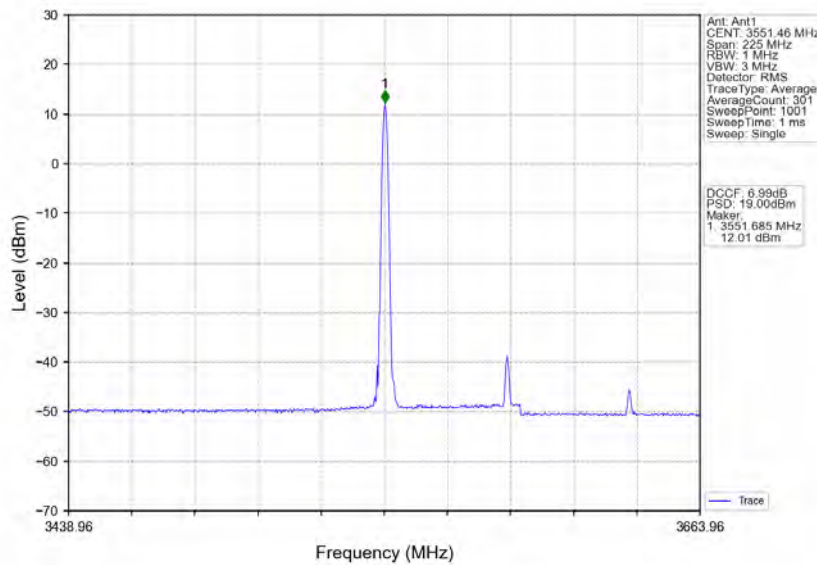
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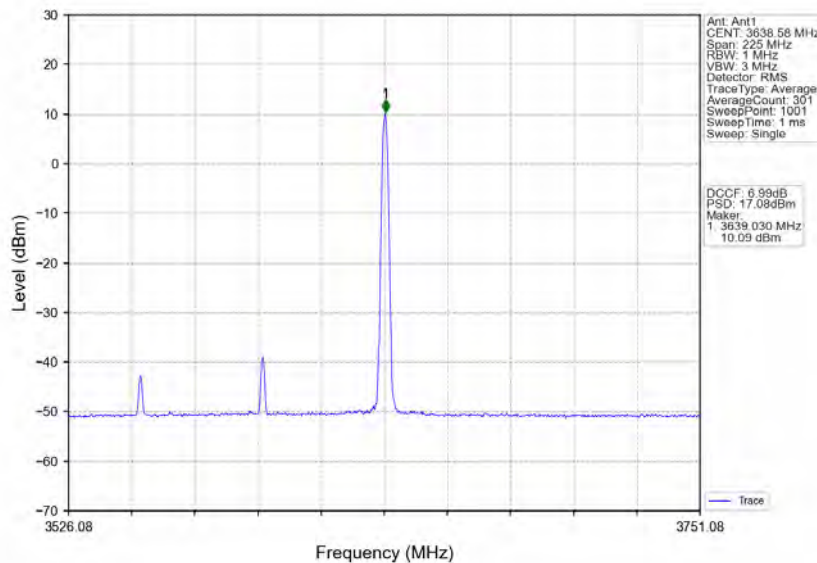
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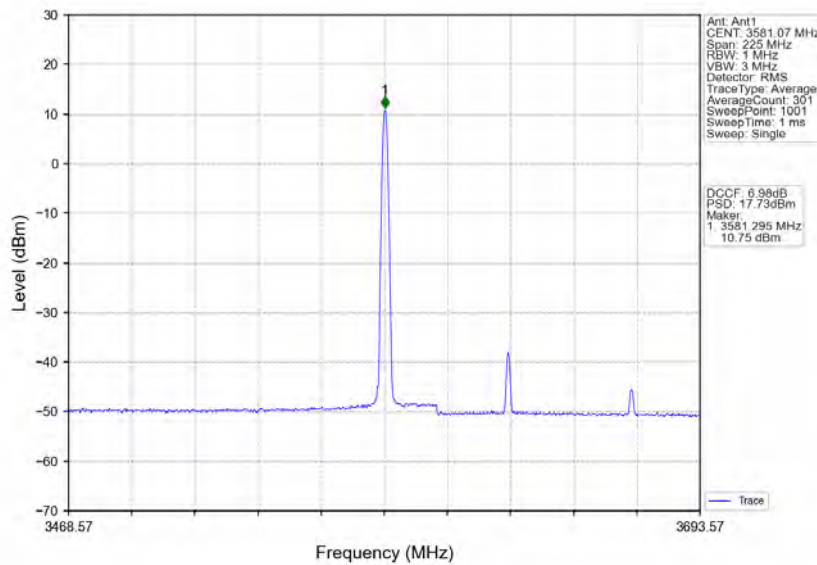
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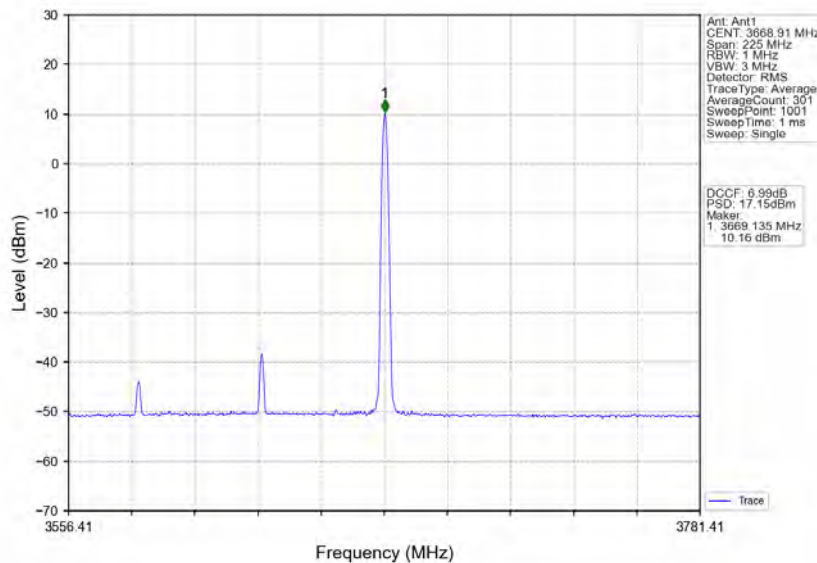
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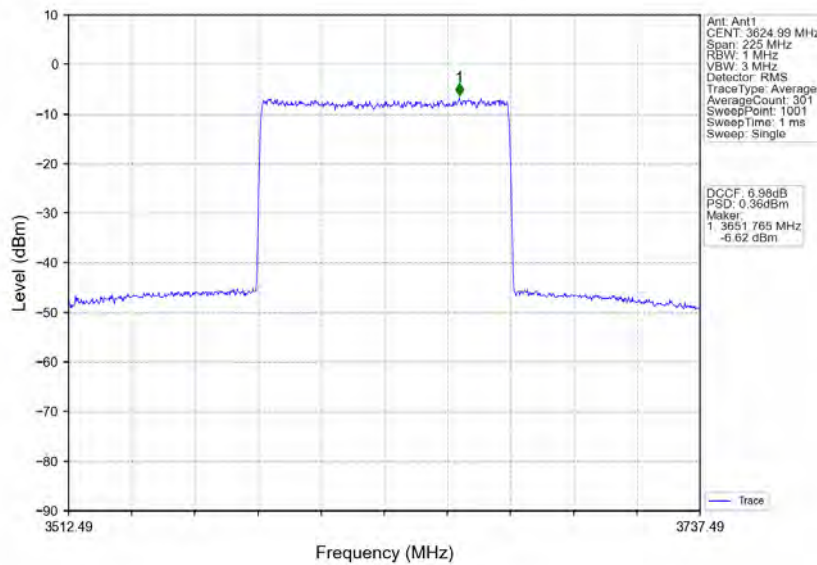
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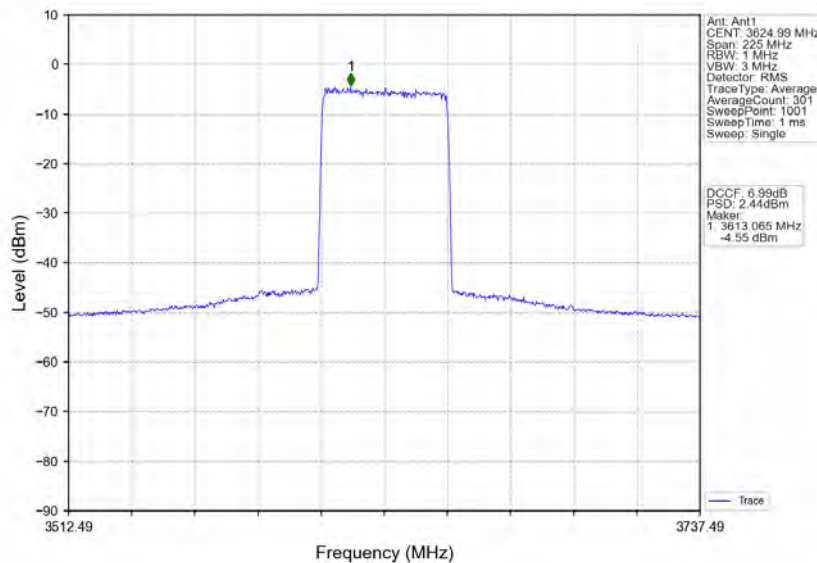
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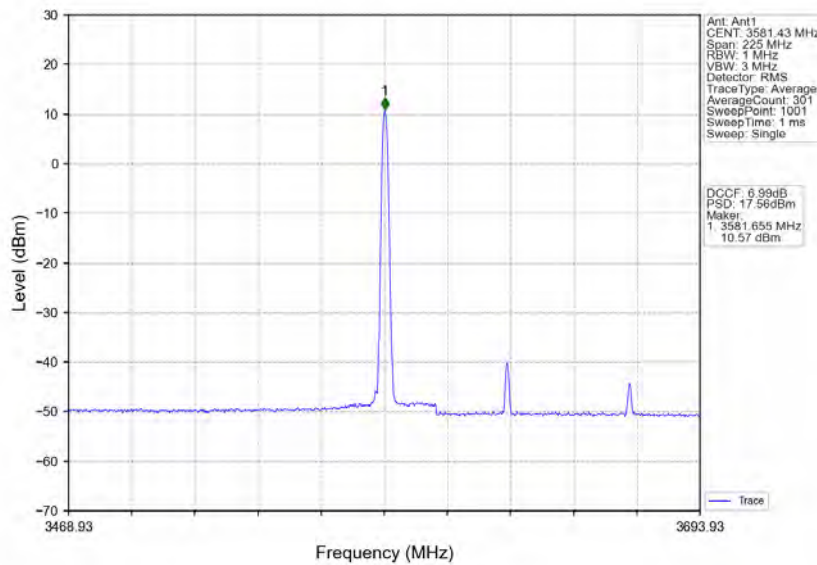
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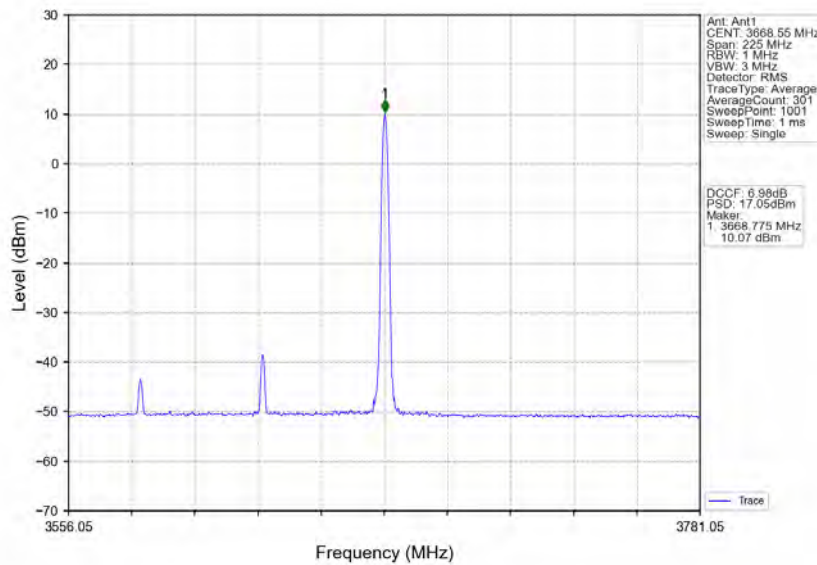
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n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Inner\_1RB\_Left



n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Inner\_1RB\_Right



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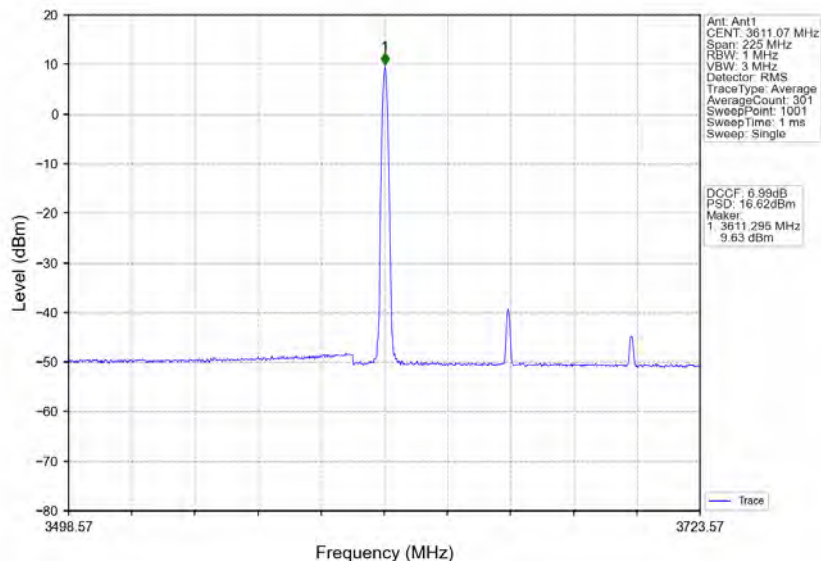
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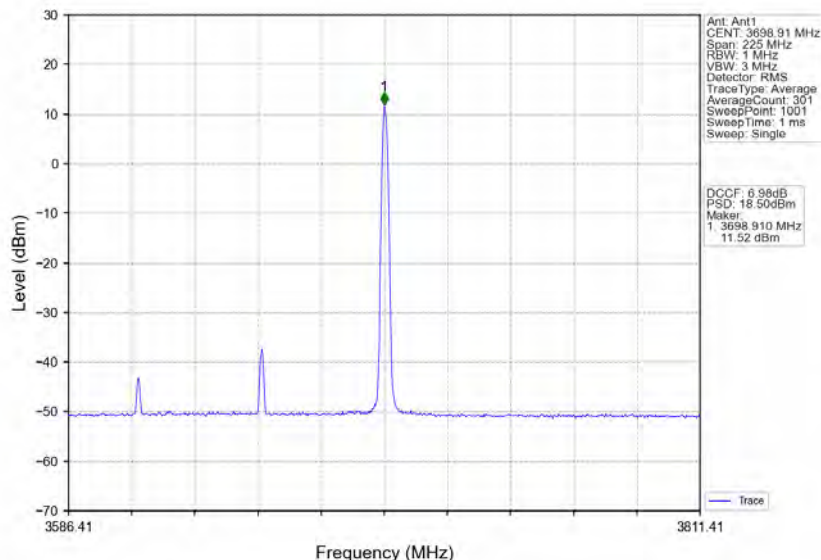
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n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM 256 QAM\_3654.99MHz\_Edge\_1RB\_Left



n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM 256 QAM\_3654.99MHz\_Edge\_1RB\_Right

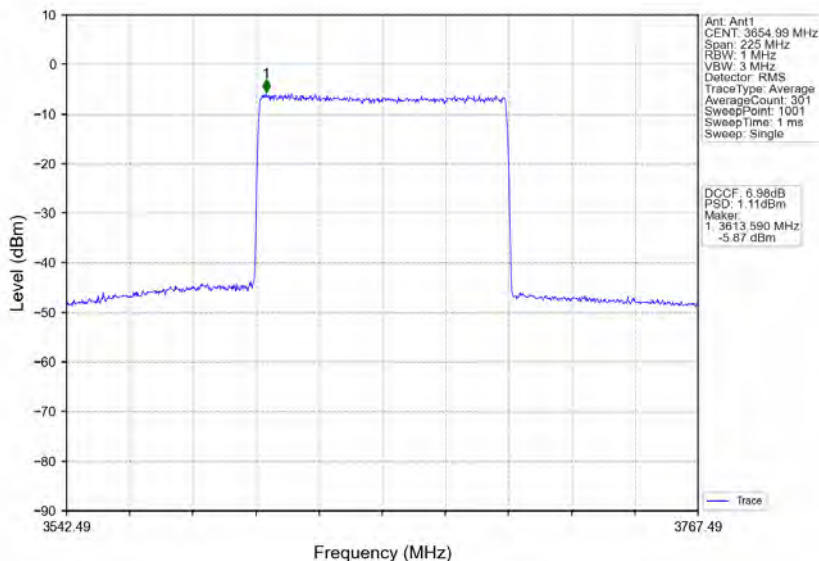


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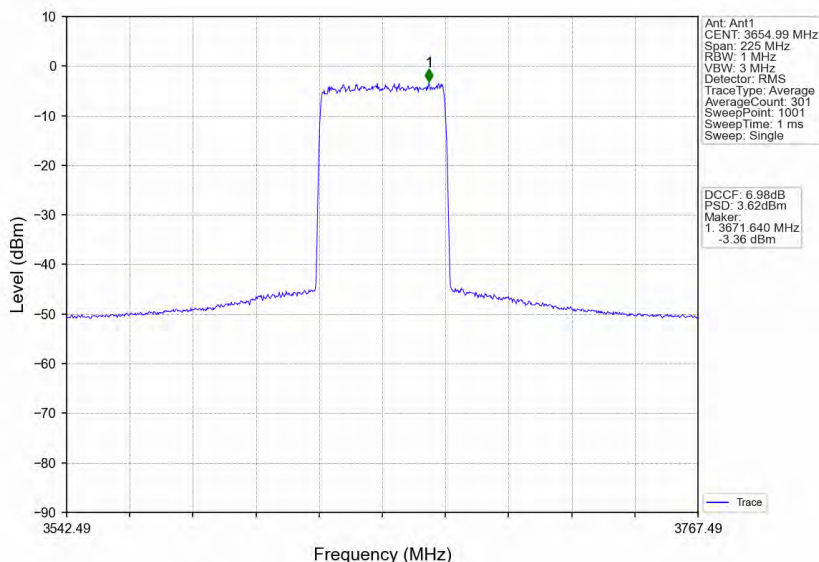
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n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM 256 QAM\_3654.99MHz\_Outer\_Full



n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM 256 QAM\_3654.99MHz\_Inner\_Full



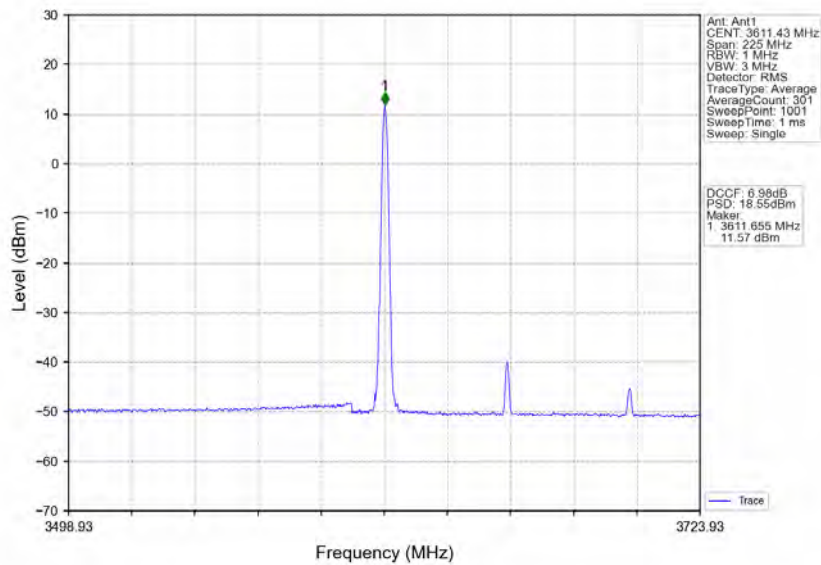
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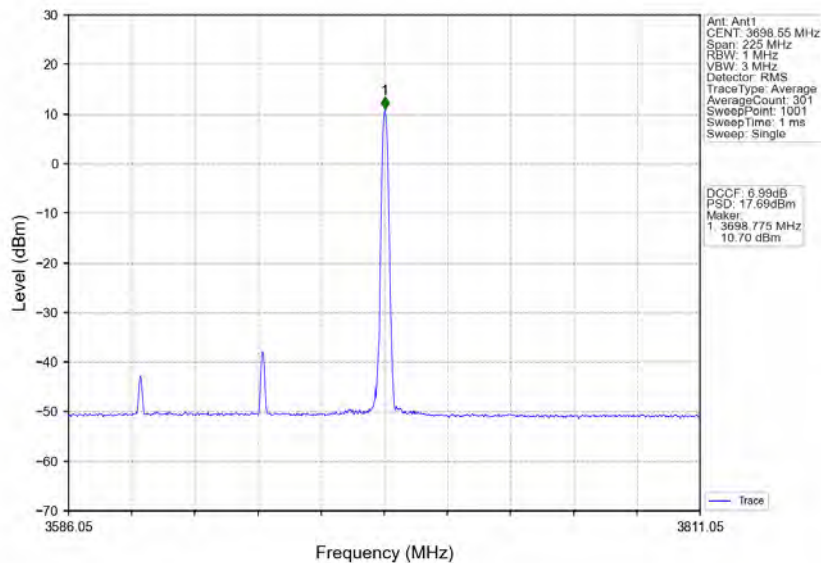
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n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM 256 QAM\_3654.99MHz\_Inner\_1RB\_Right



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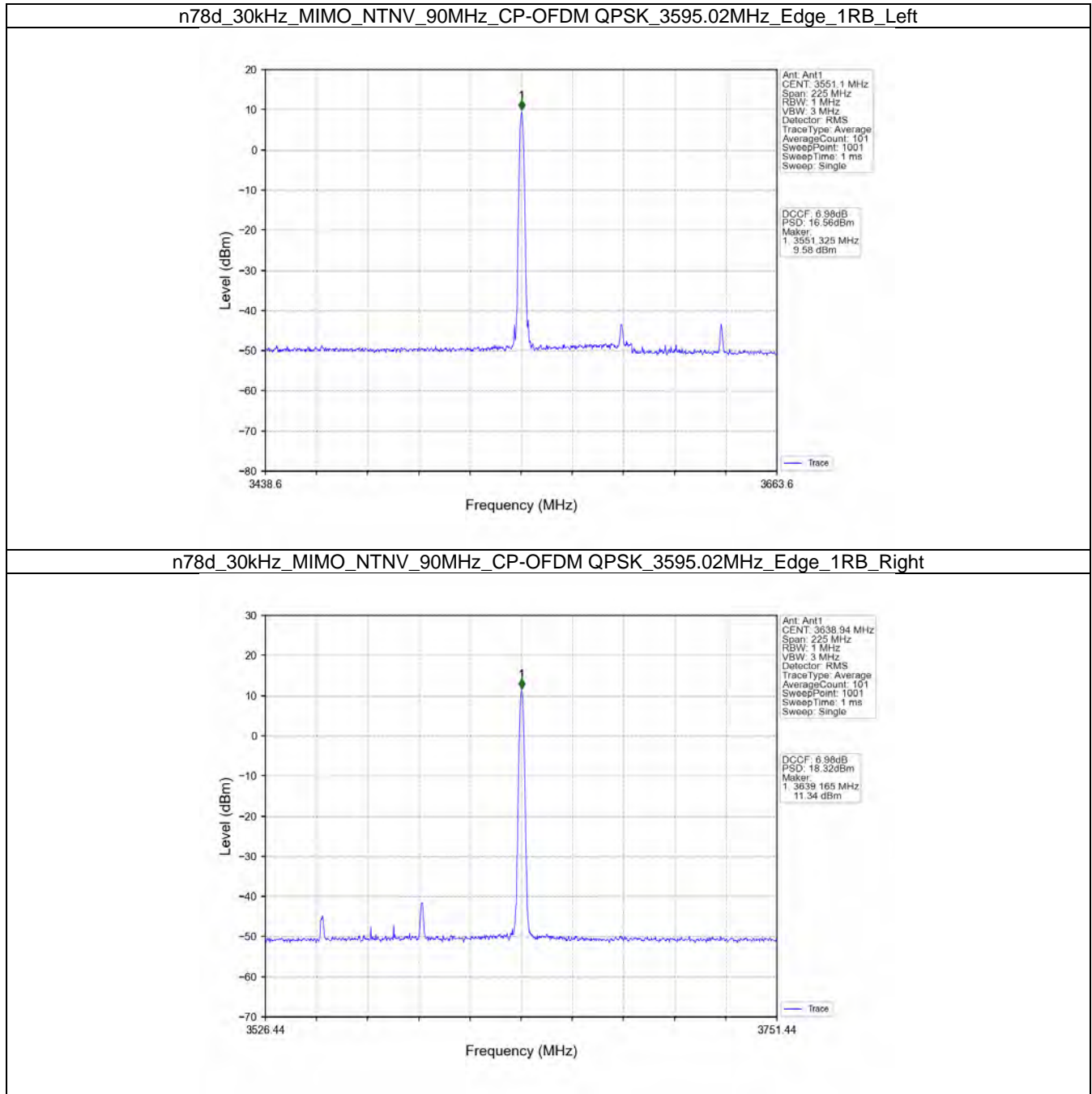
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2.30.3 Test Graph for ANT2

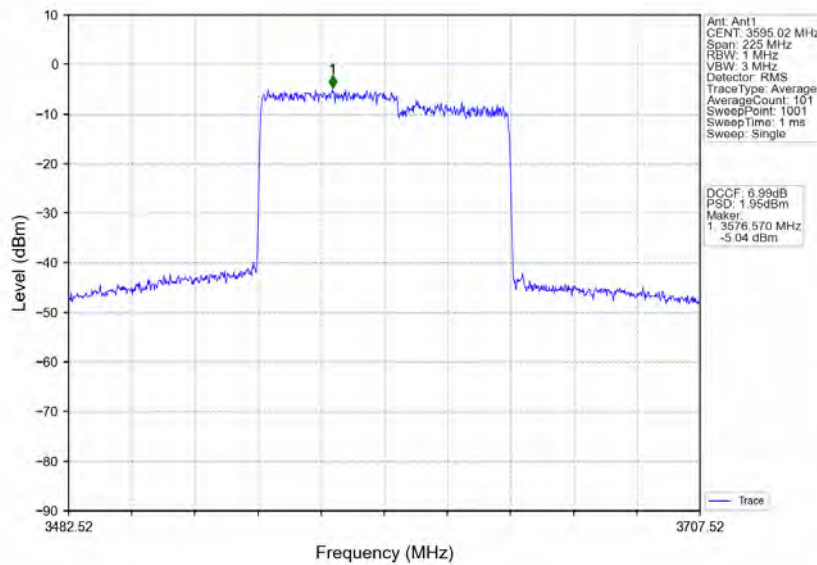


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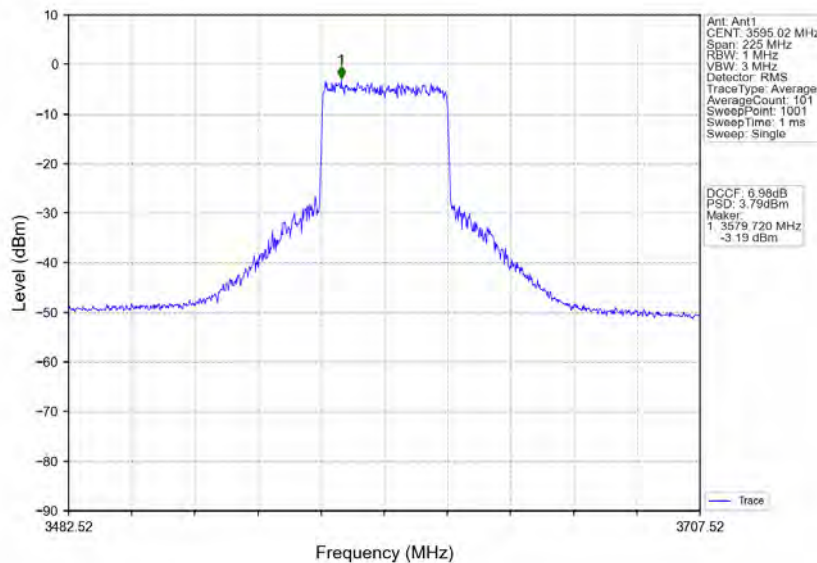
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n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM QPSK\_3595.02MHz\_Outer\_Full



n78d\_30kHz\_MIMO\_NTNV\_90MHz\_CP-OFDM QPSK\_3595.02MHz\_Inner\_Full



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