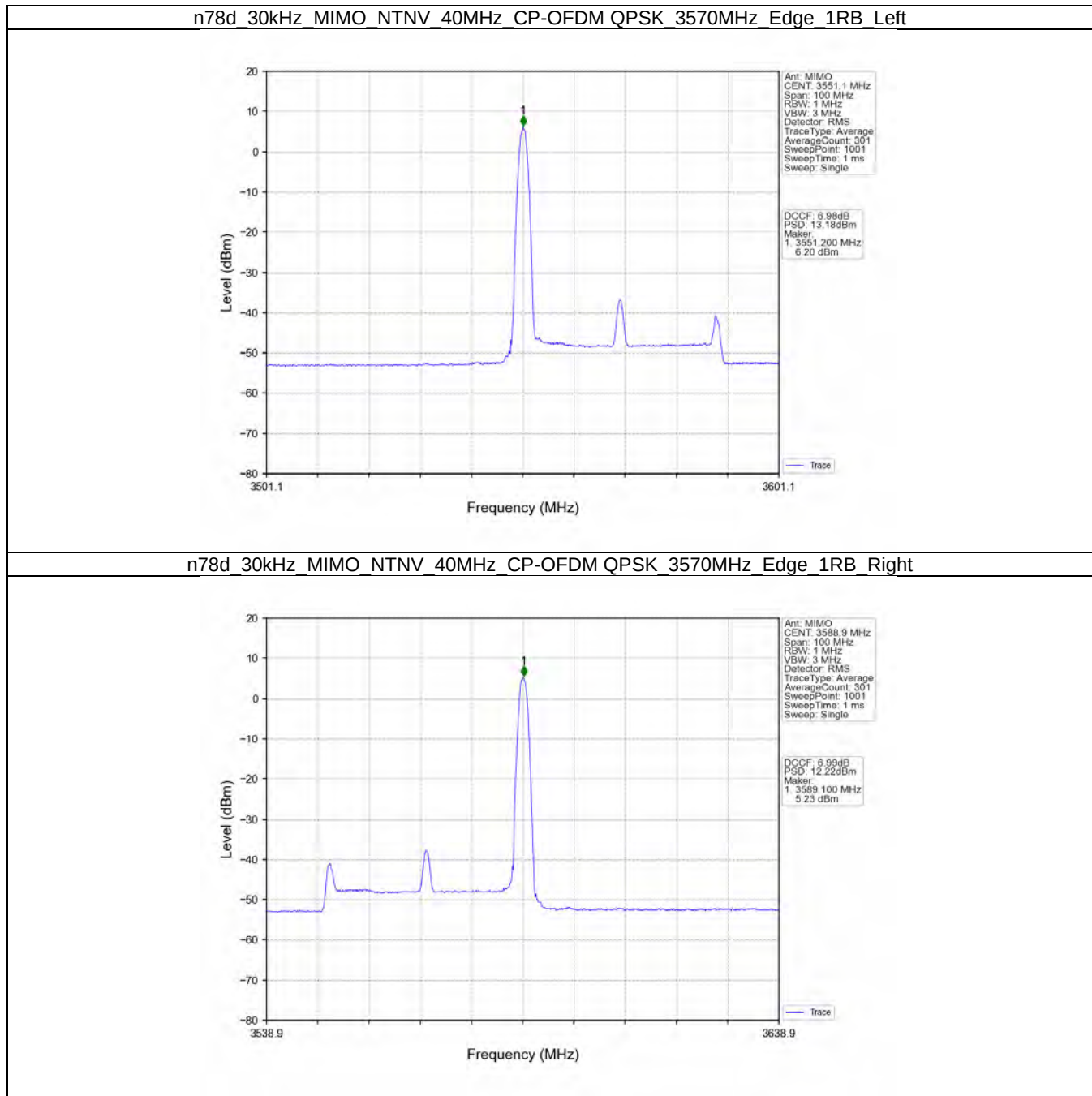


2.15.2 Test Graph



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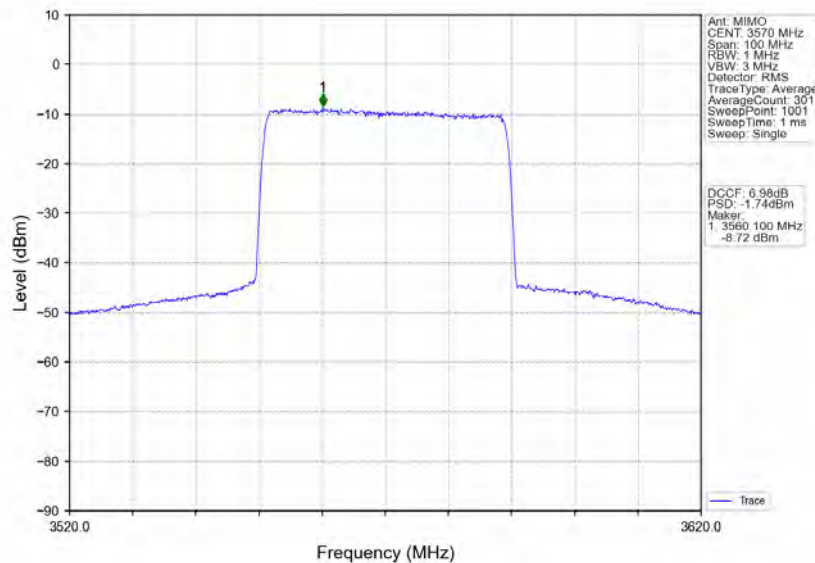
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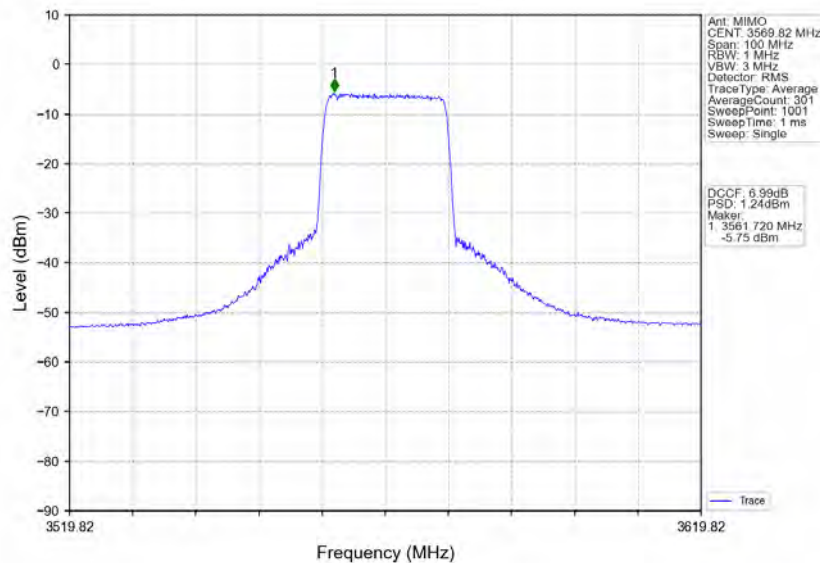
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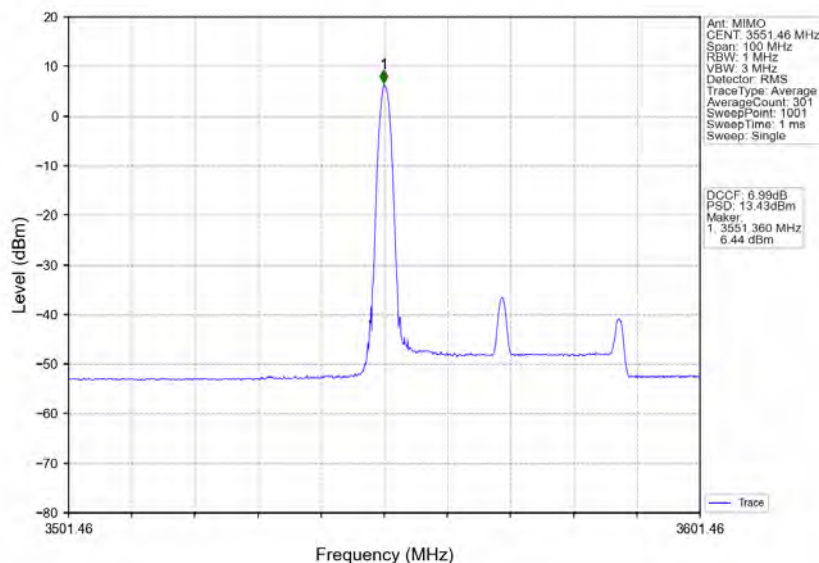
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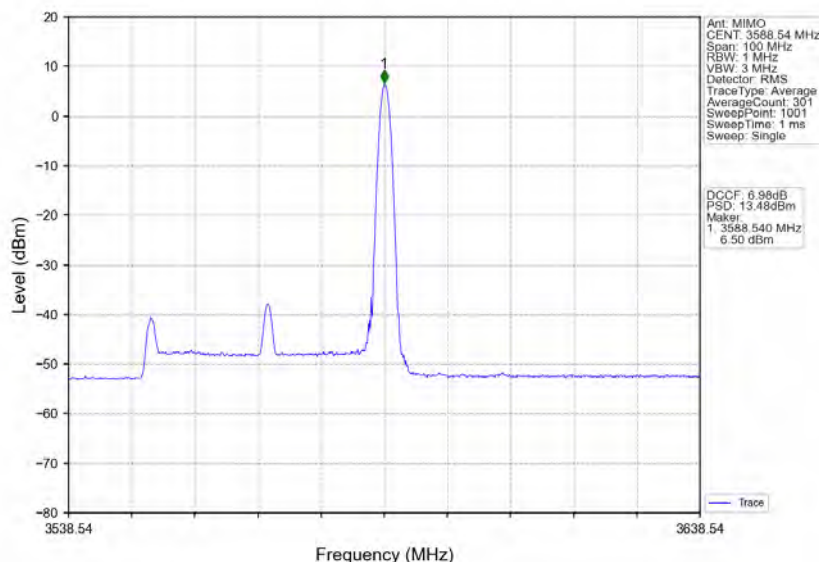
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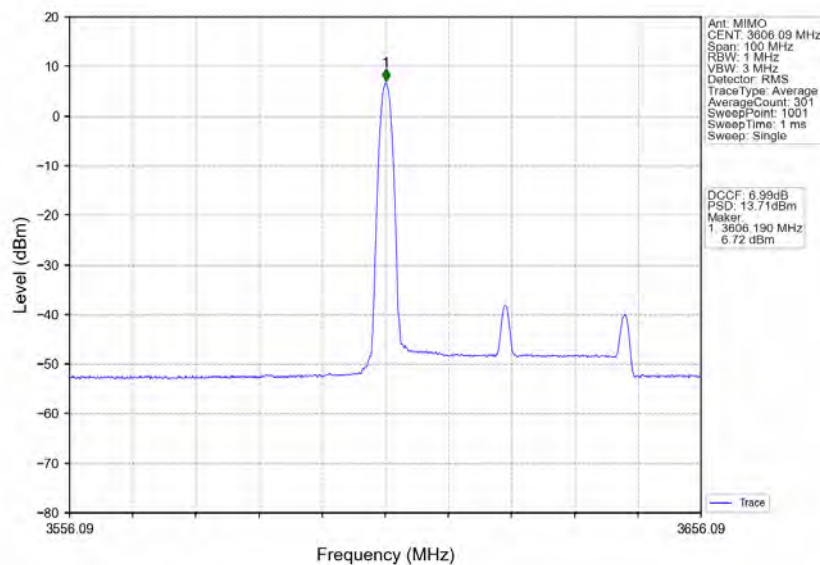
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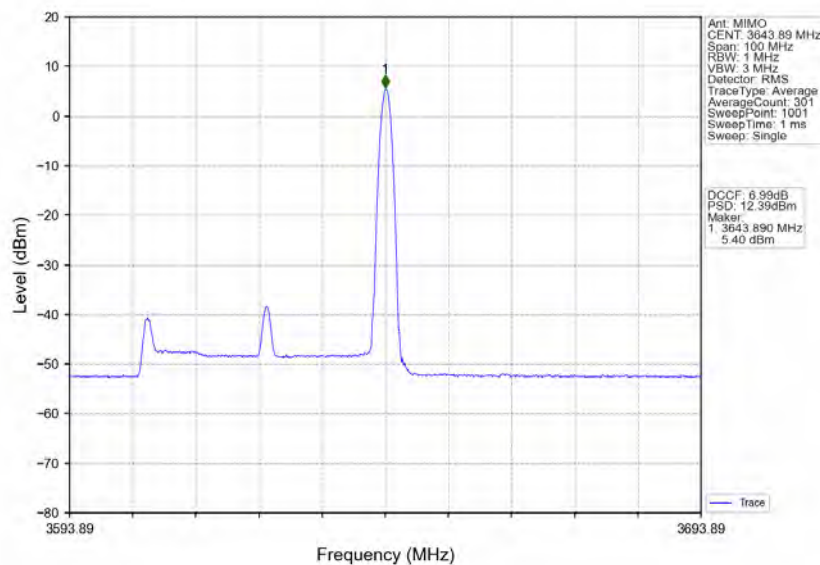
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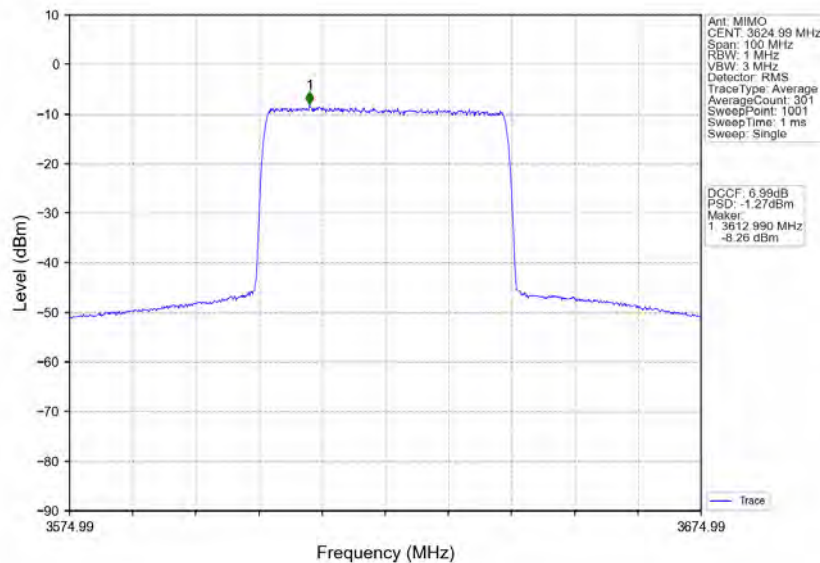
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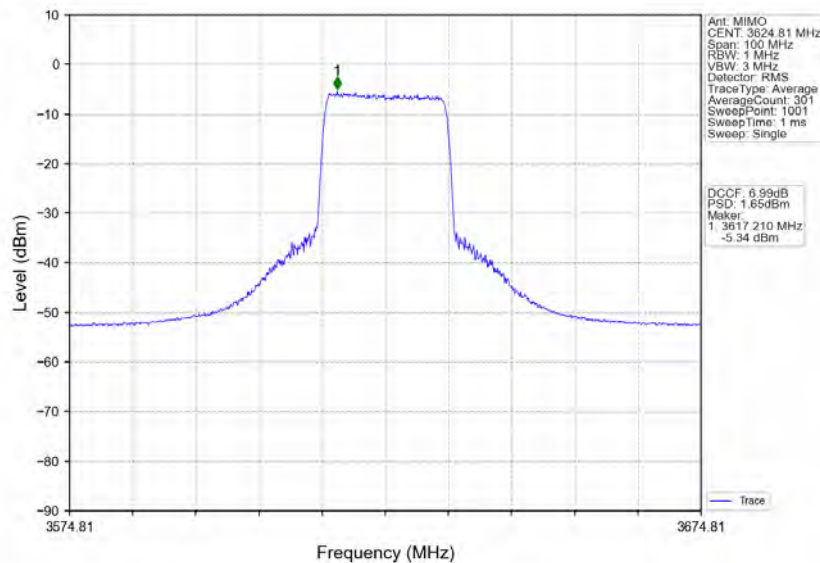
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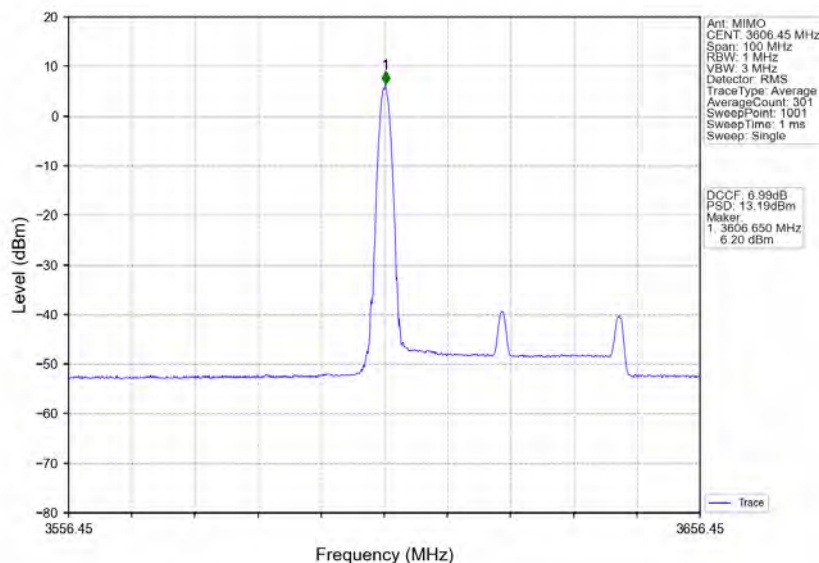
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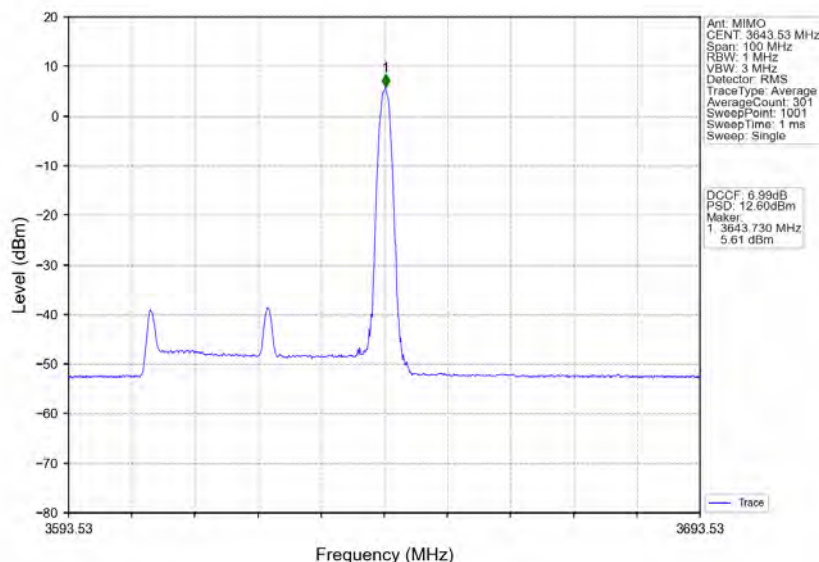
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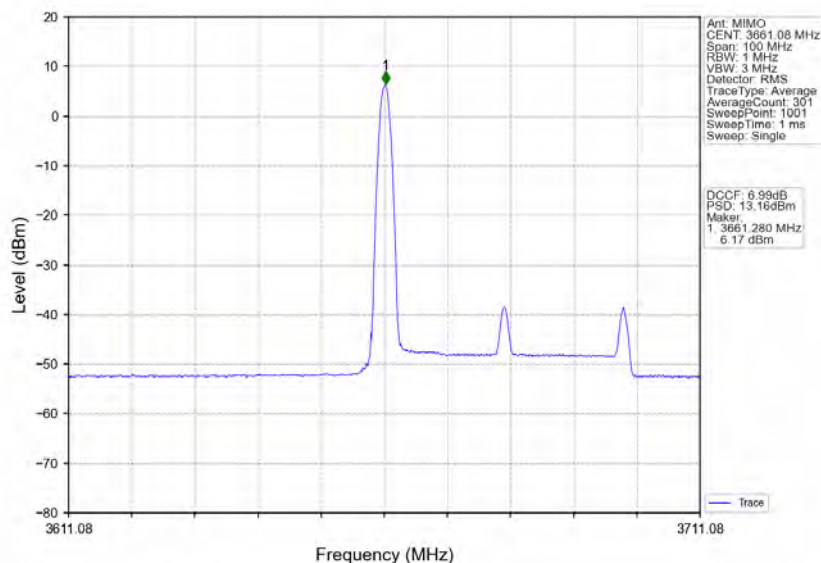
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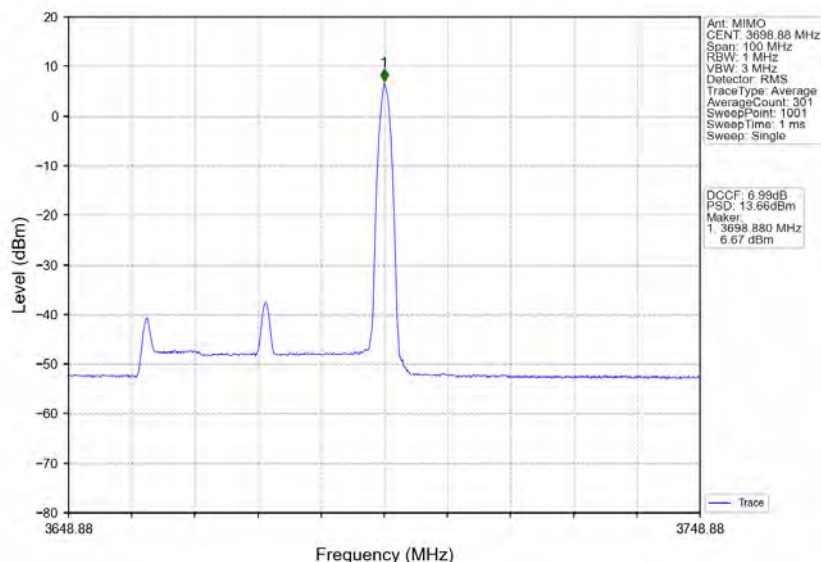
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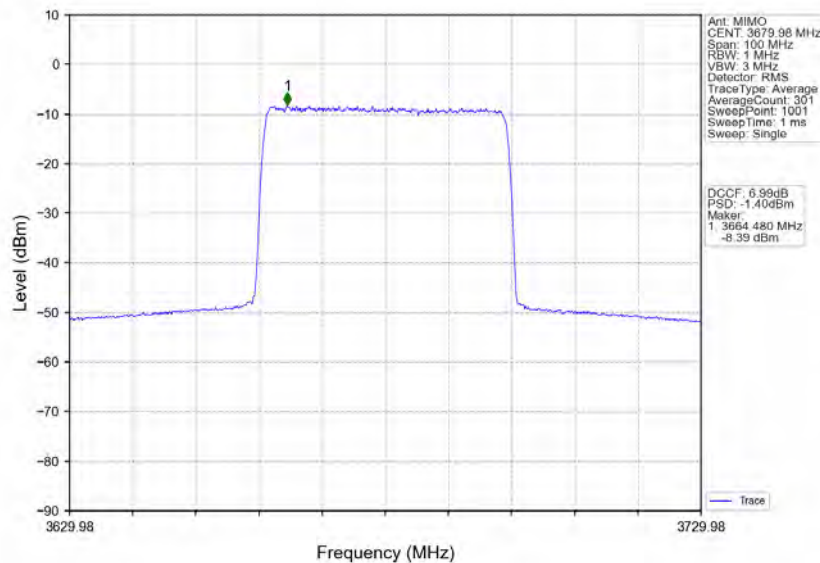
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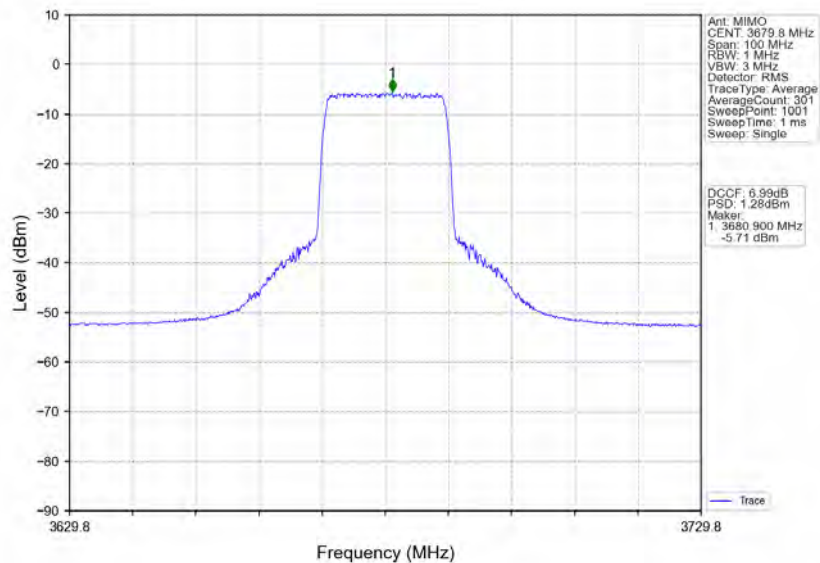
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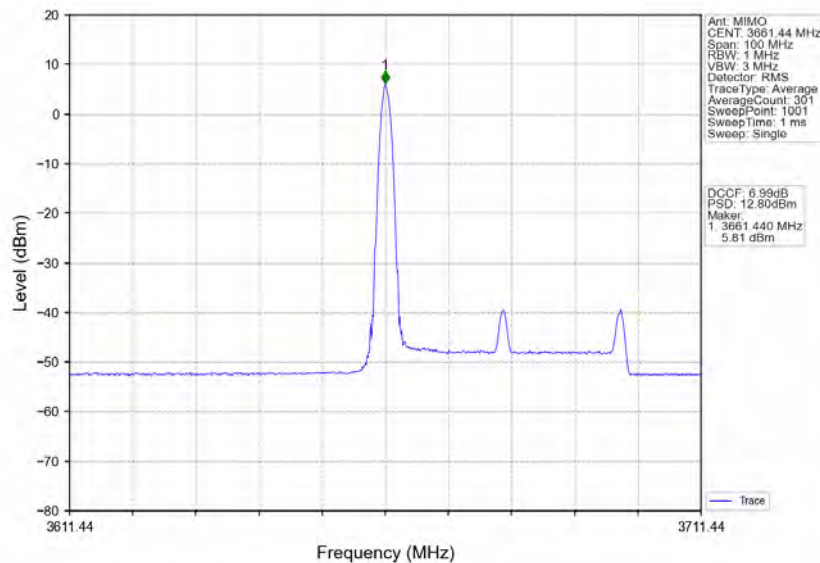
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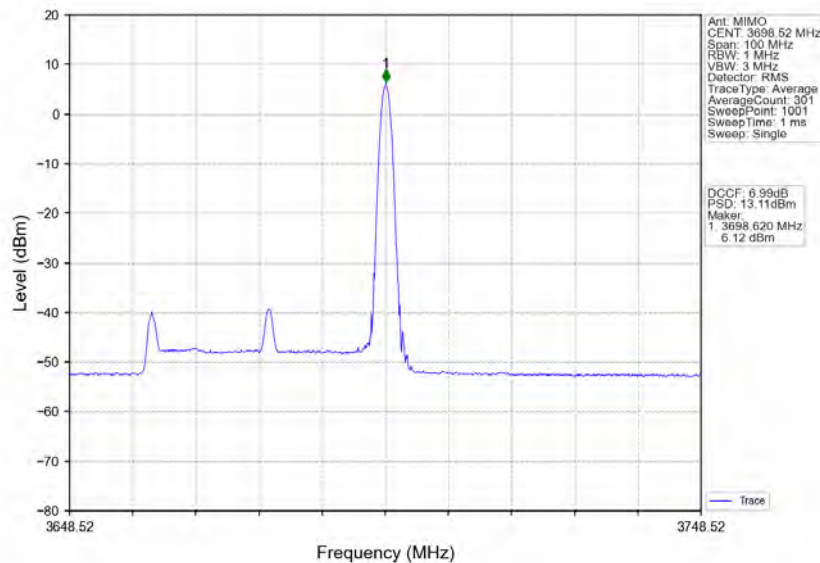
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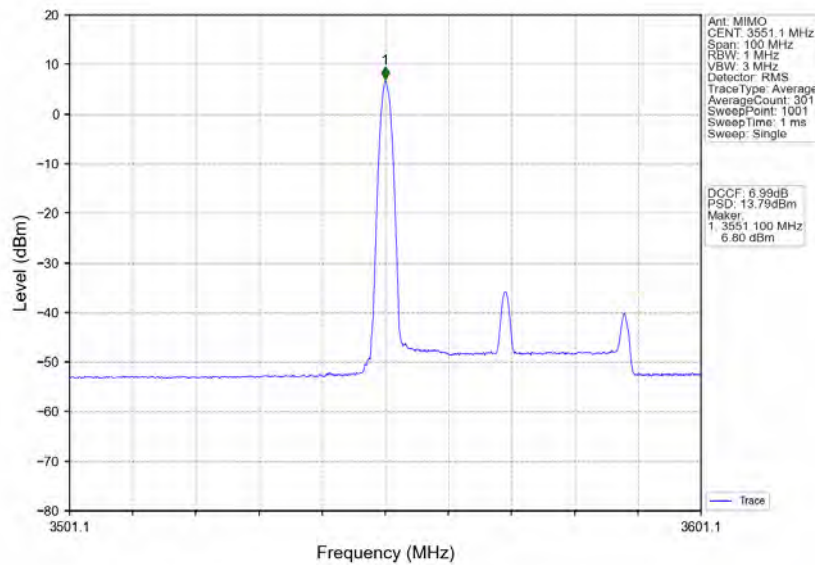
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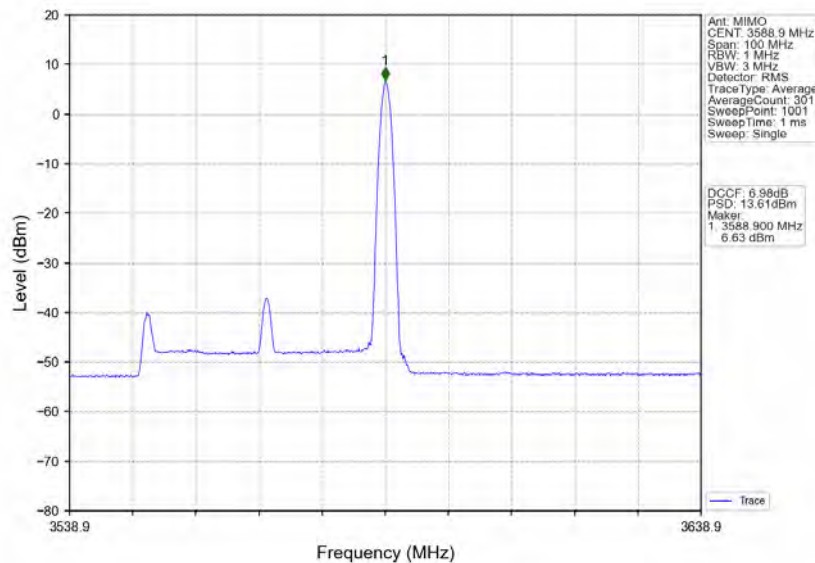
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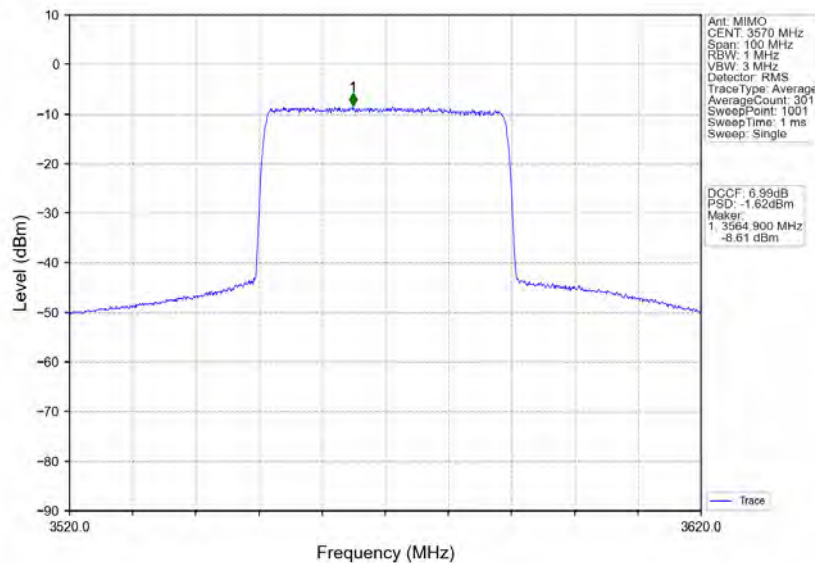
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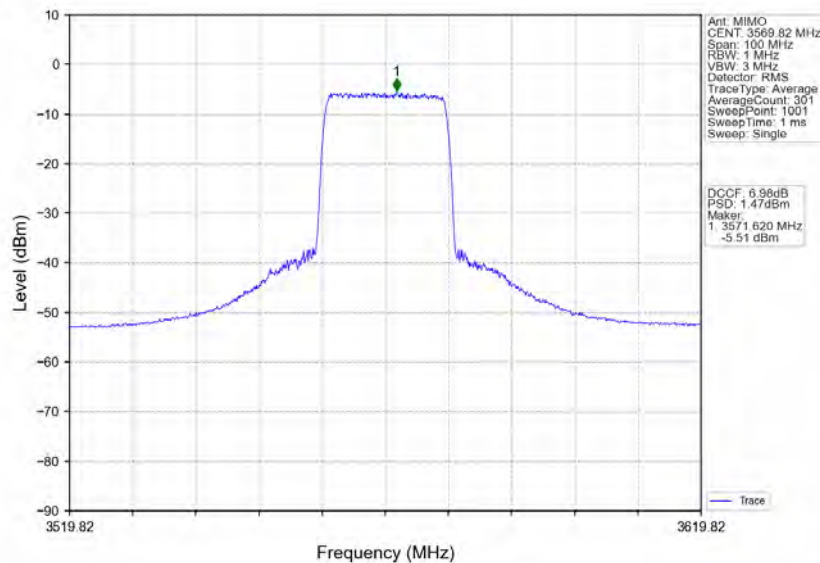
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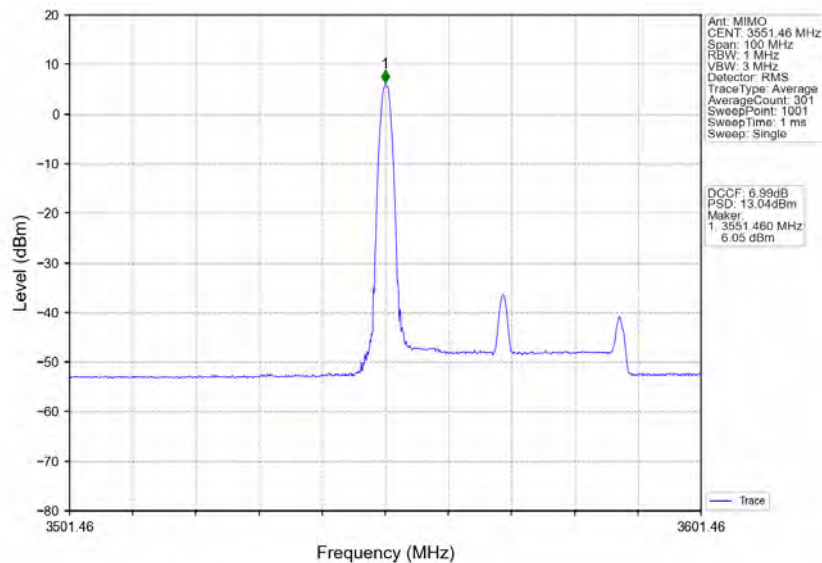
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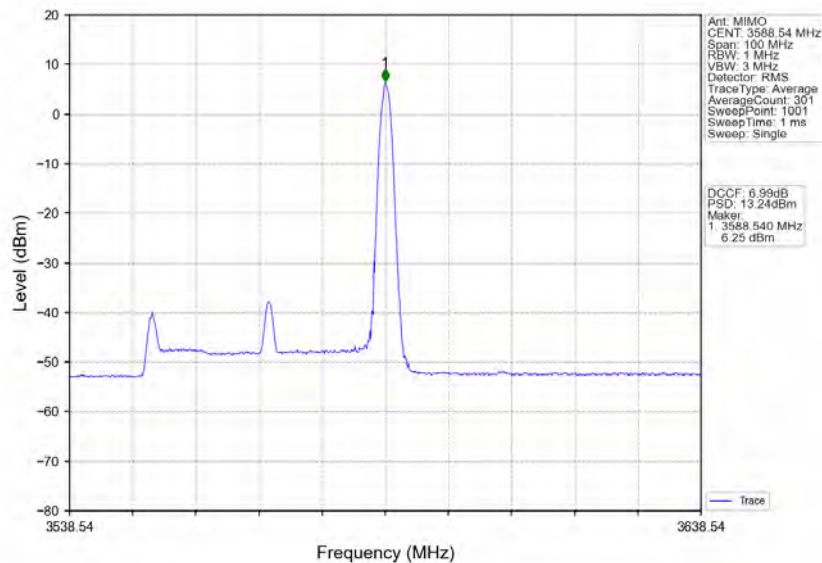
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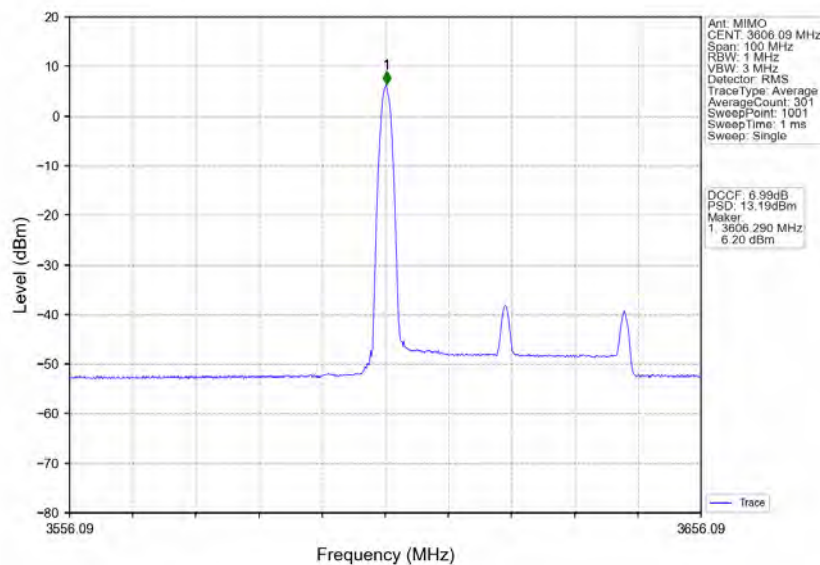
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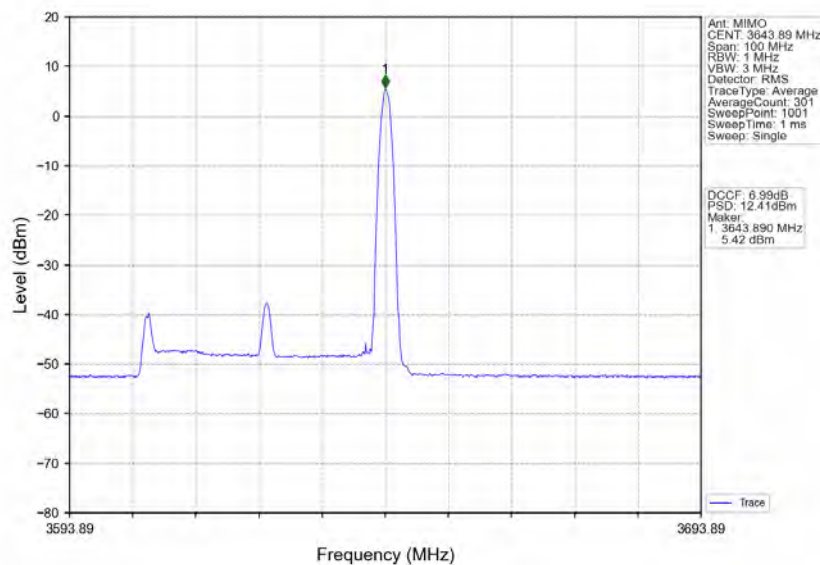
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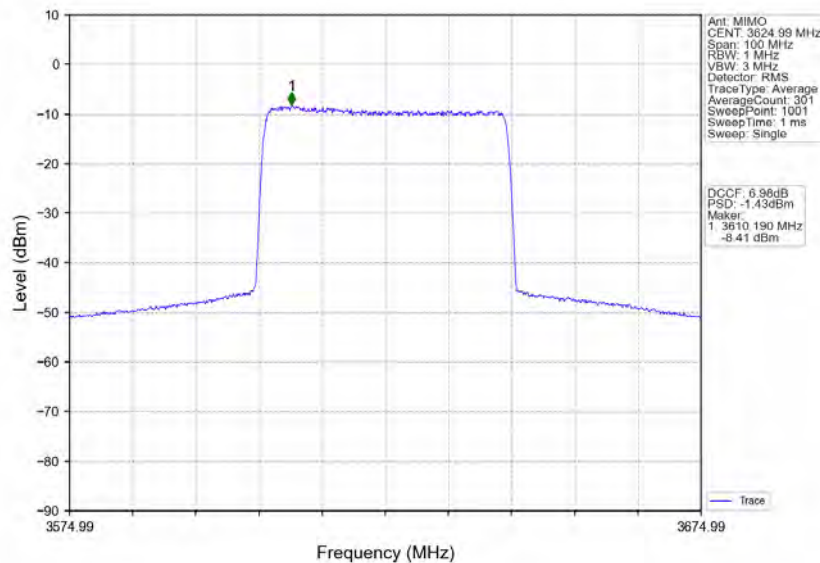
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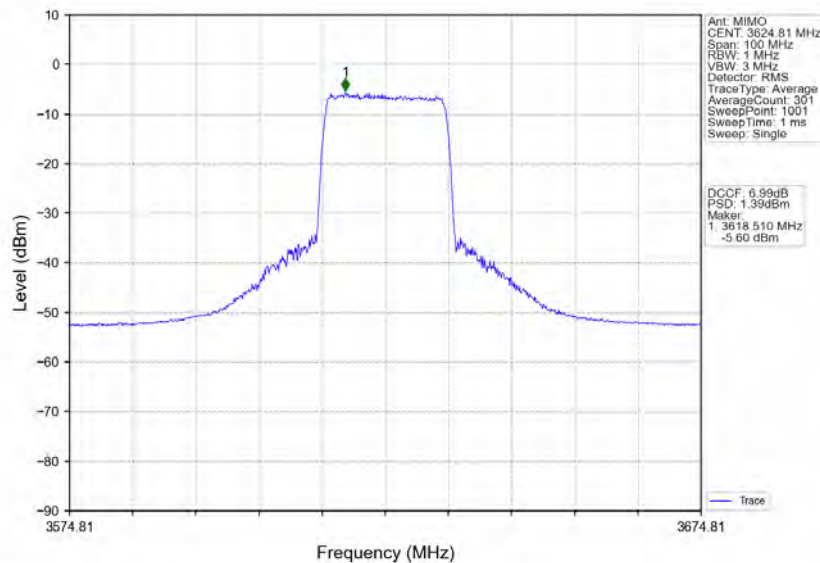
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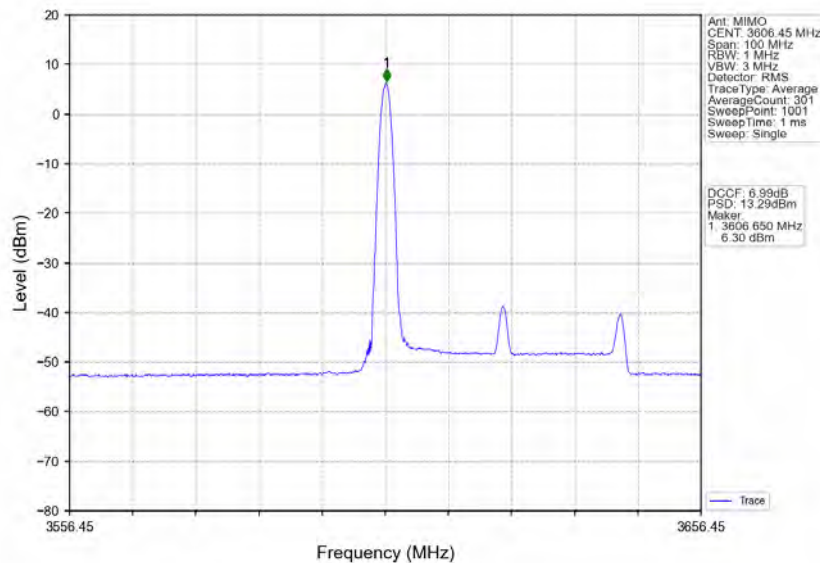
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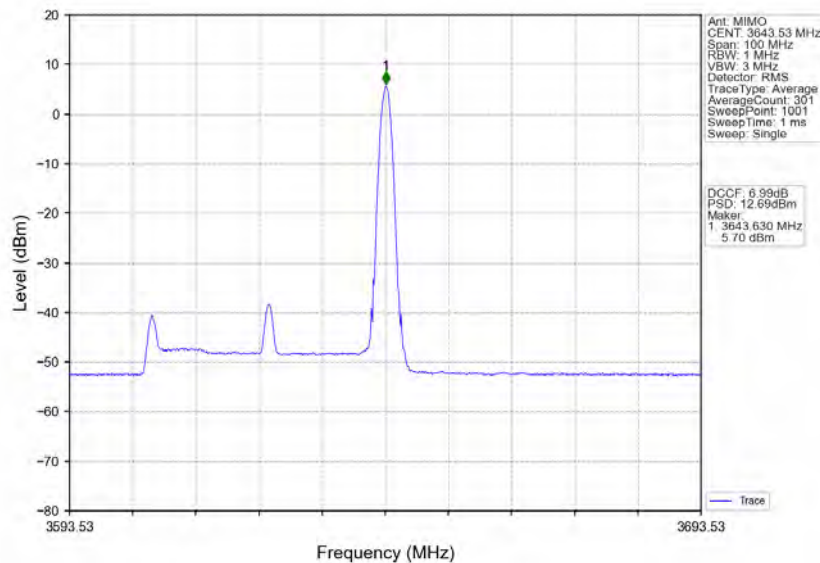
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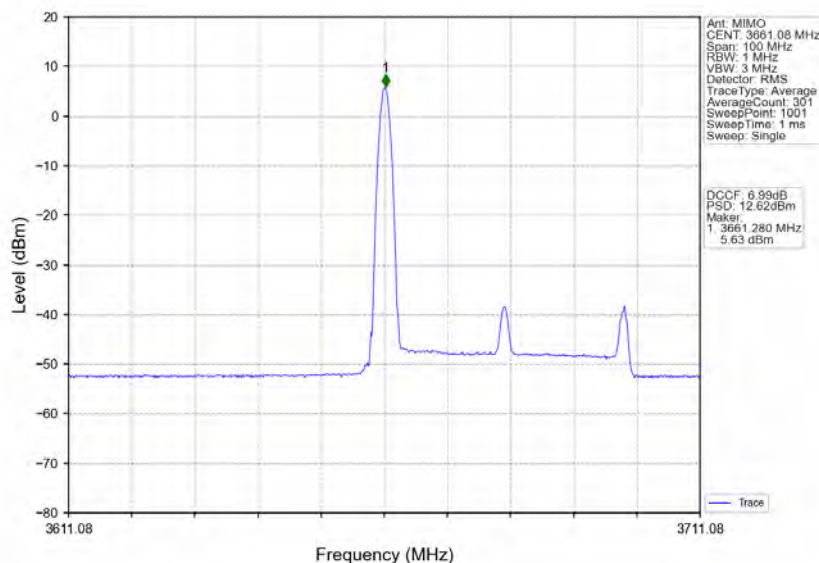
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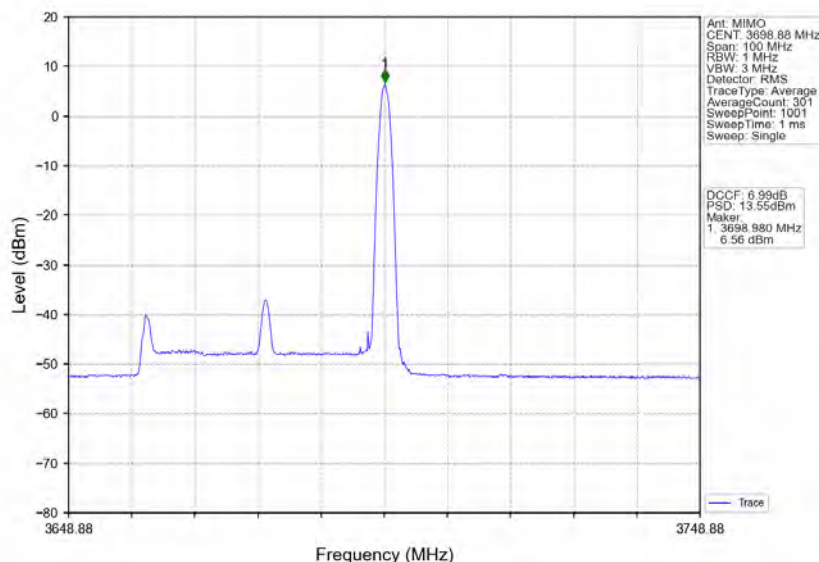
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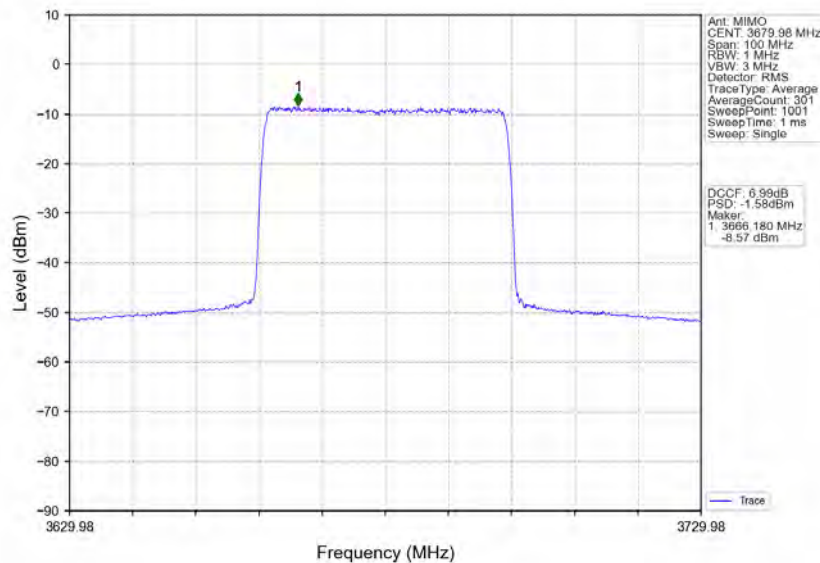
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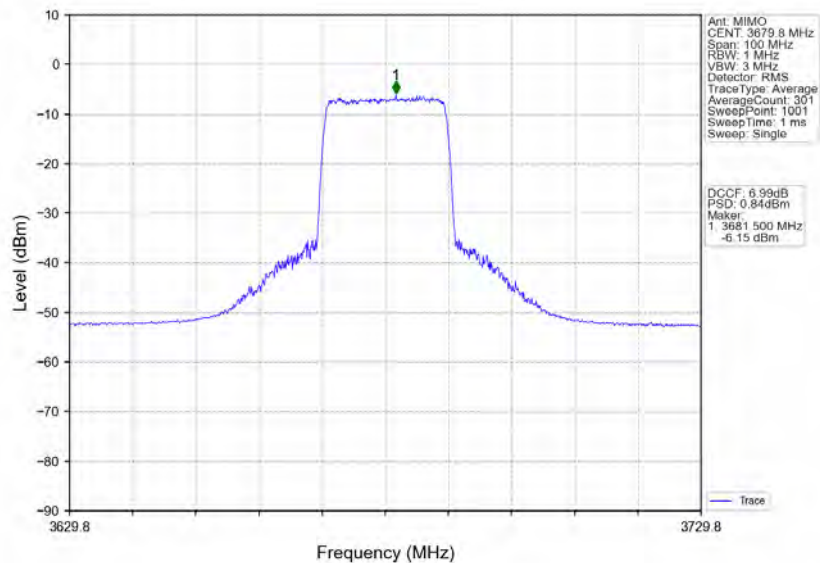
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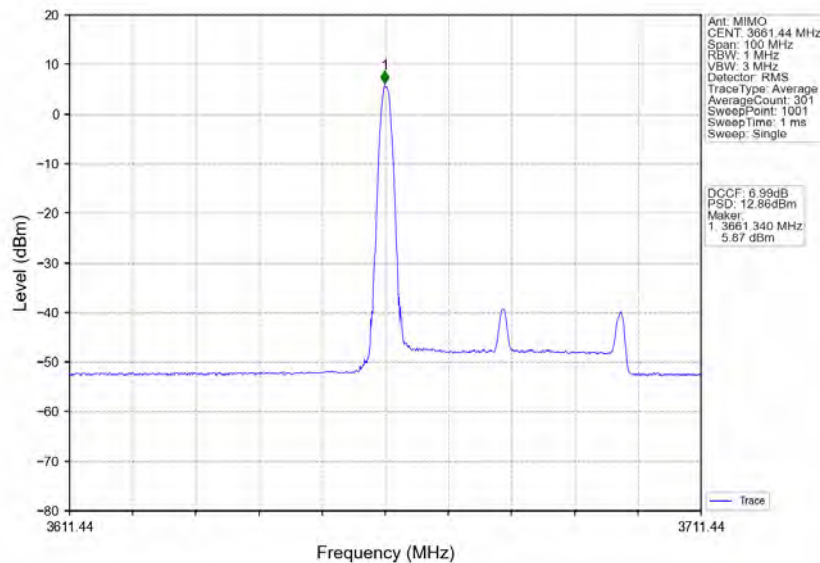
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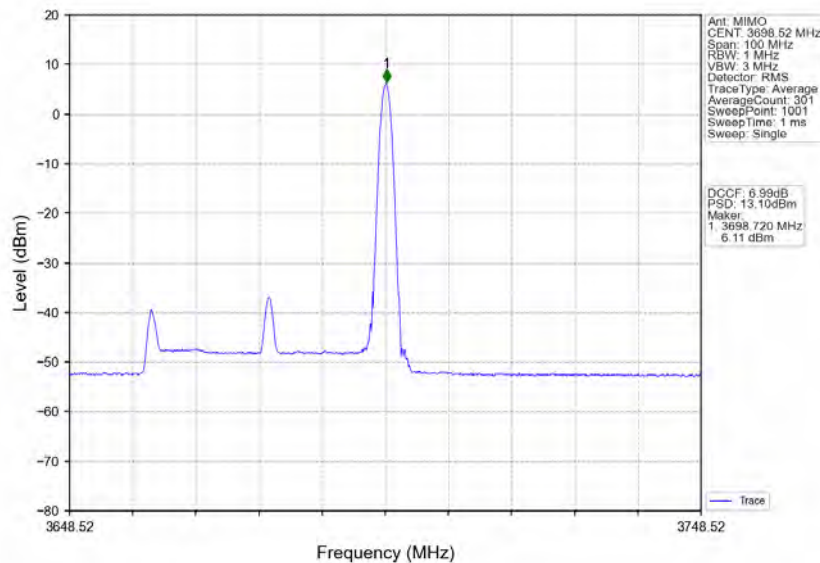
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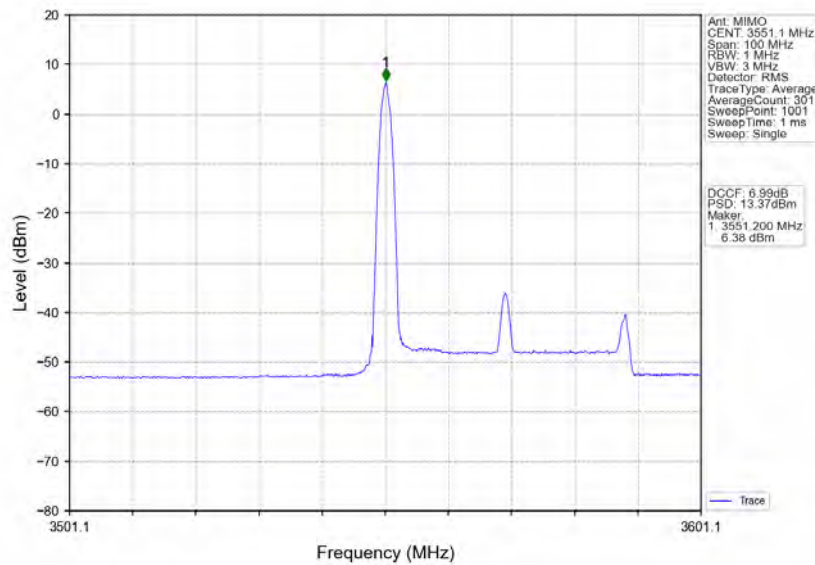
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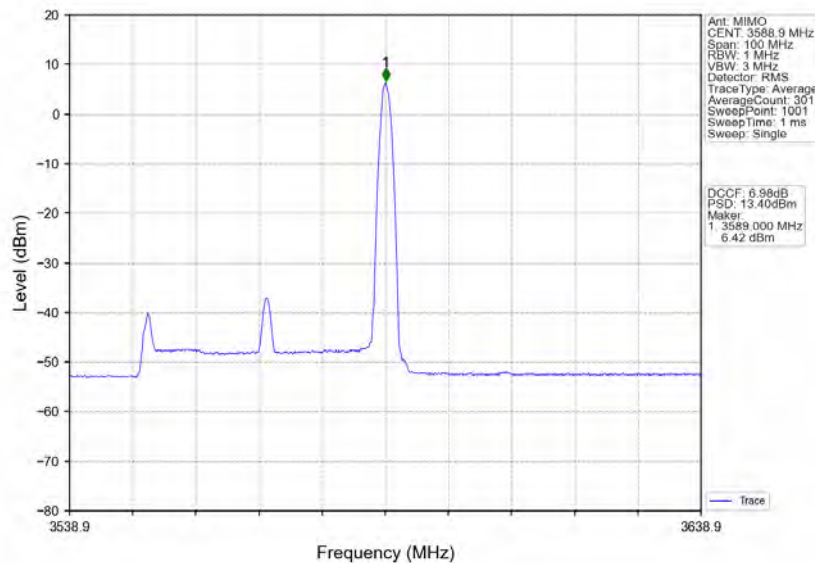
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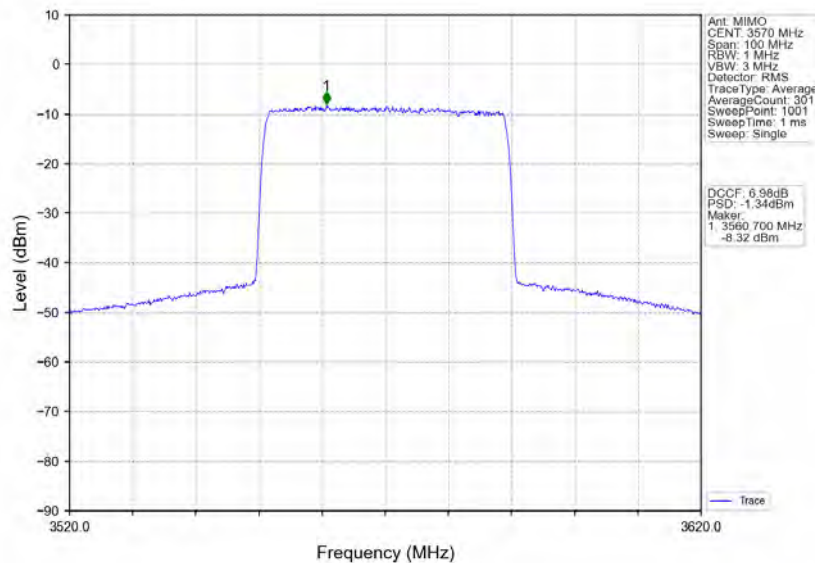
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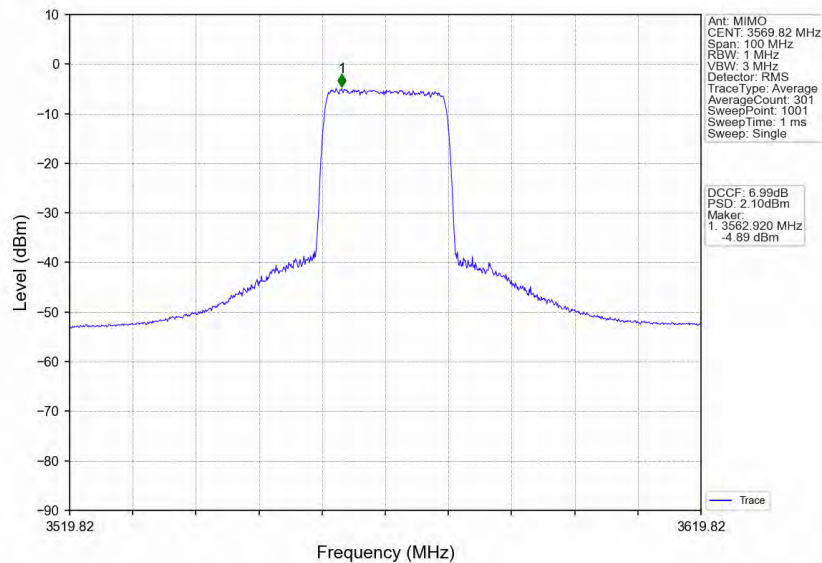
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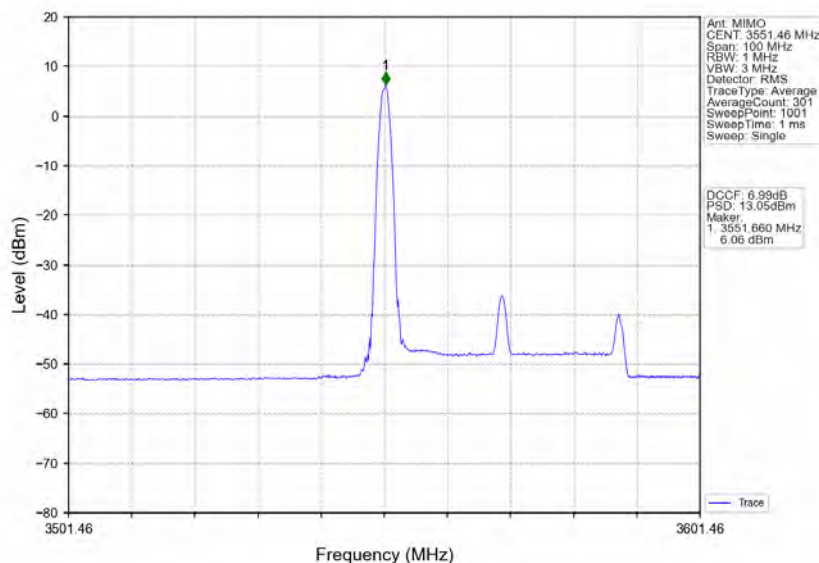
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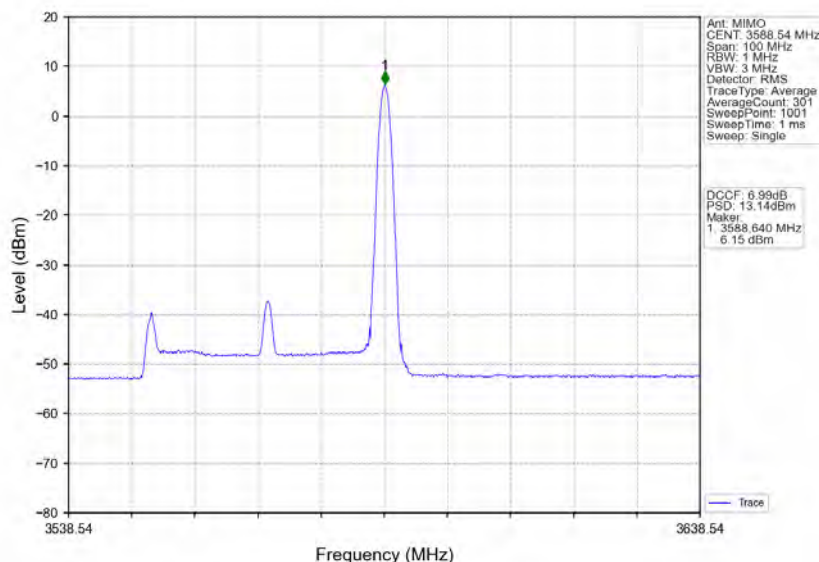
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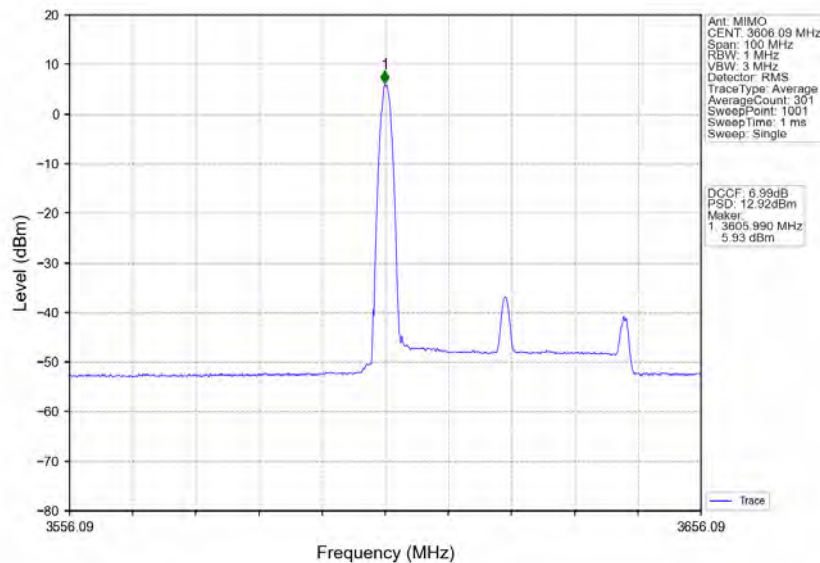
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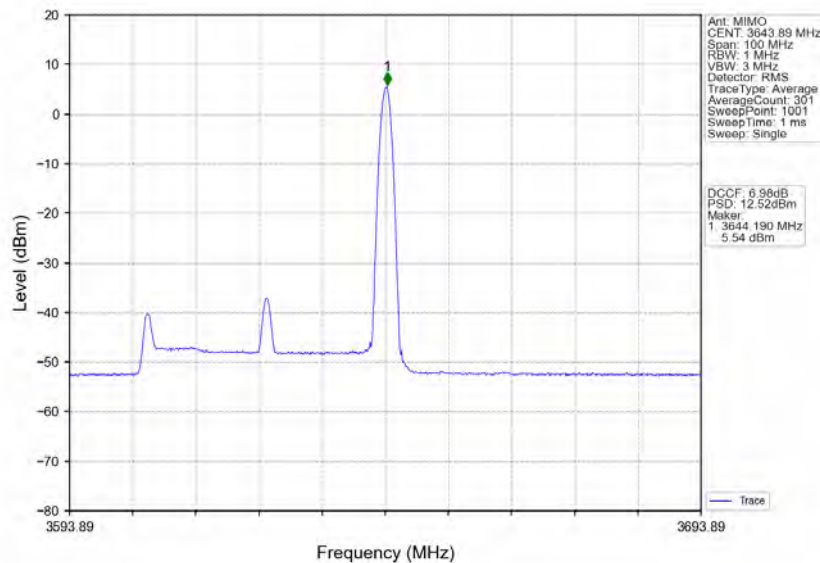
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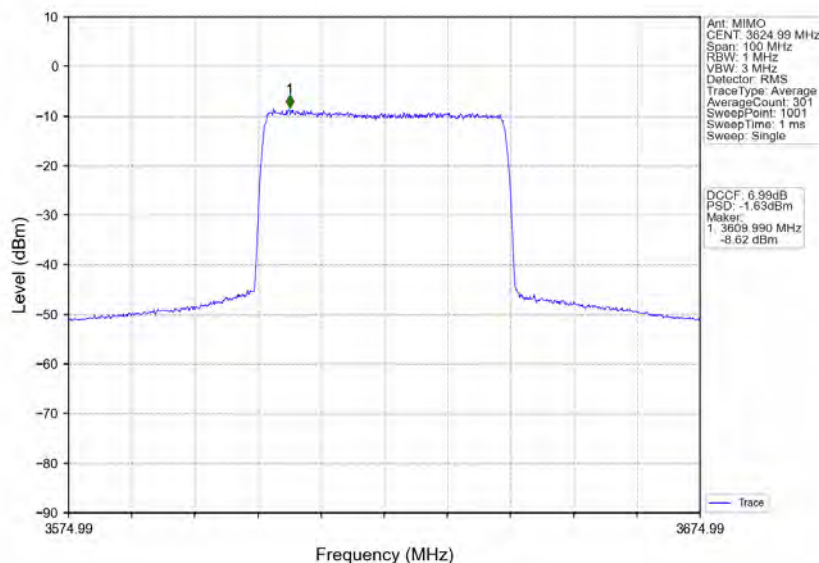
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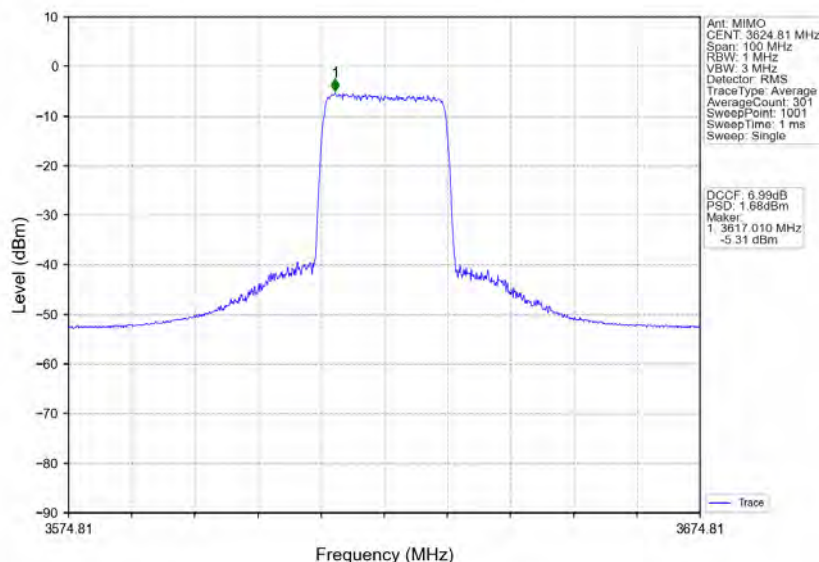
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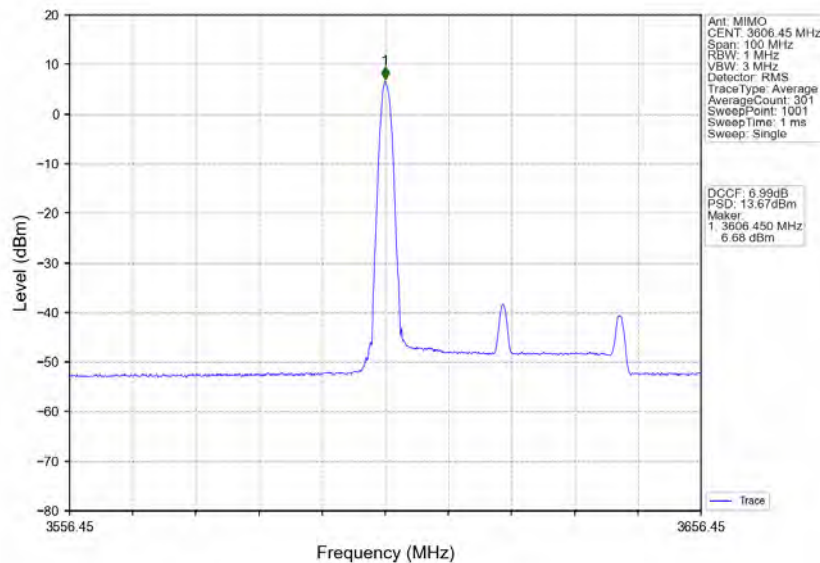
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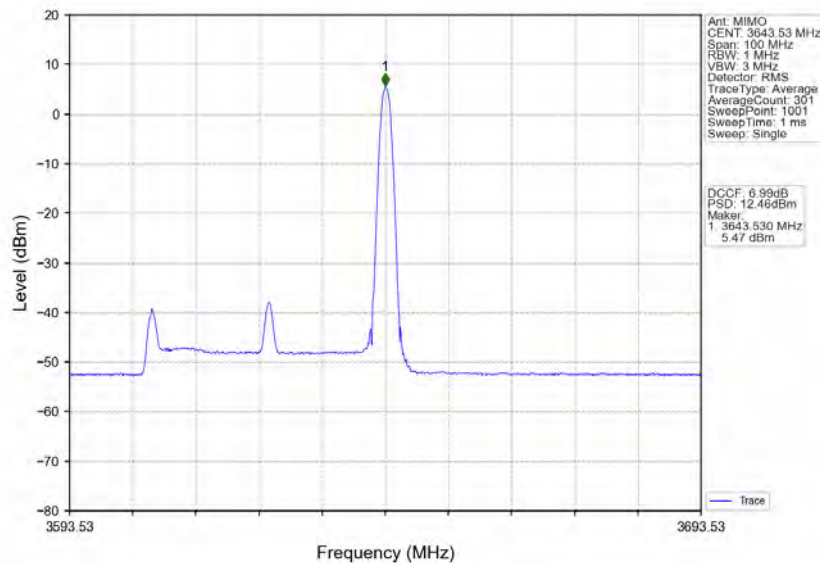
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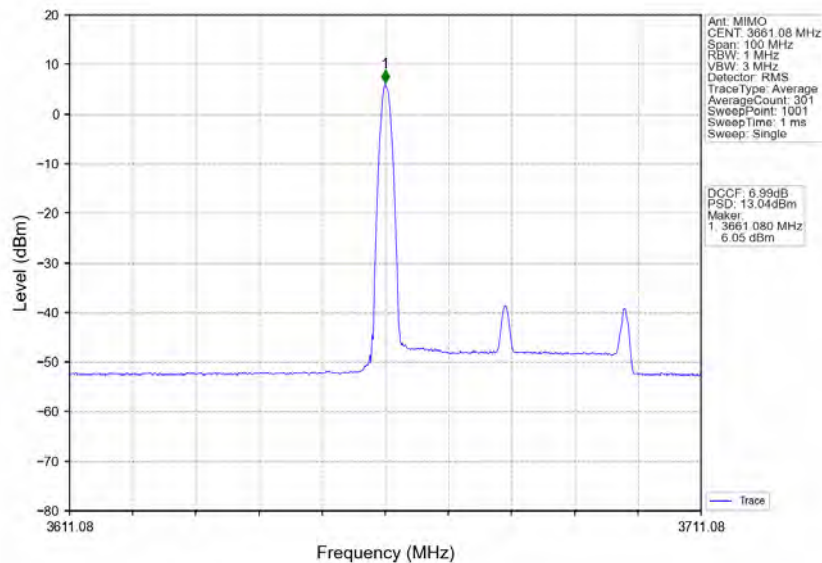
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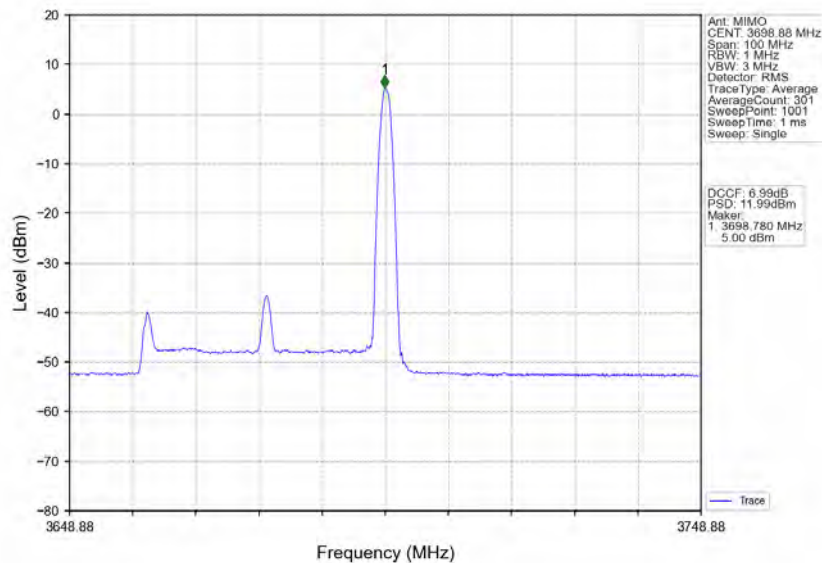
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n78d_30kHz_MIMO_NTNV_40MHz_CP-OFDM 64 QAM_3679.98MHz_Edge_1RB_Left



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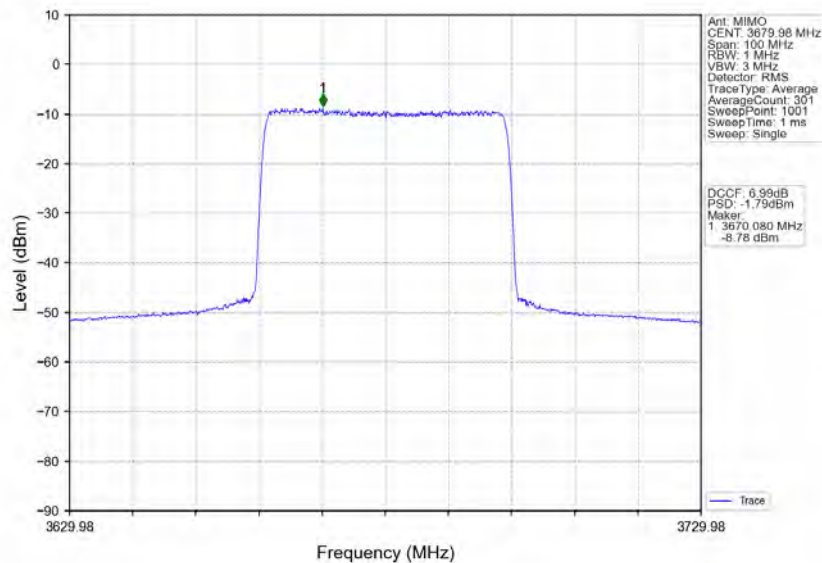
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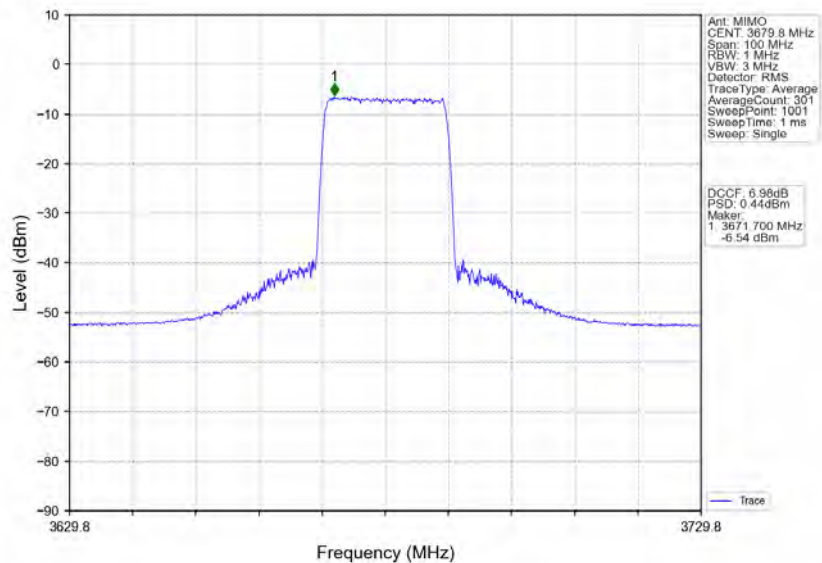
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n78d_30kHz_MIMO_NTNV_40MHz_CP-OFDM 64 QAM_3679.98MHz_Outer_Full



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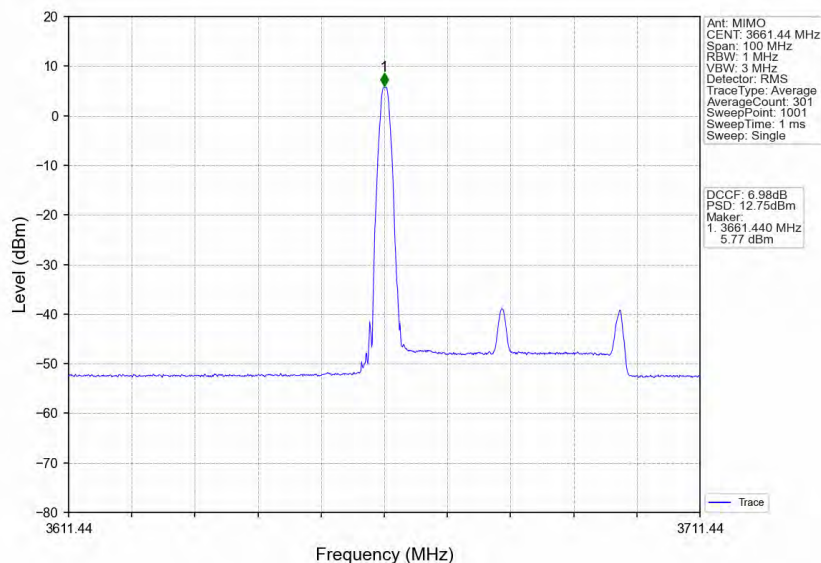
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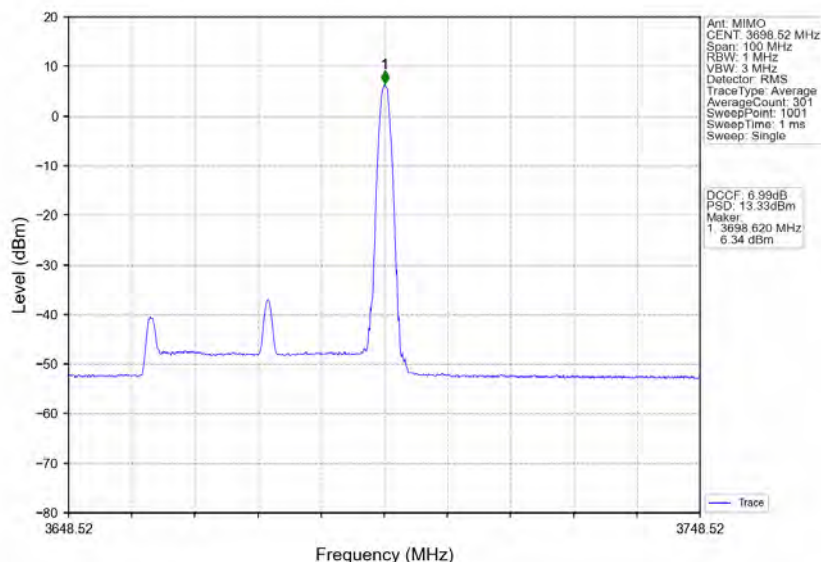
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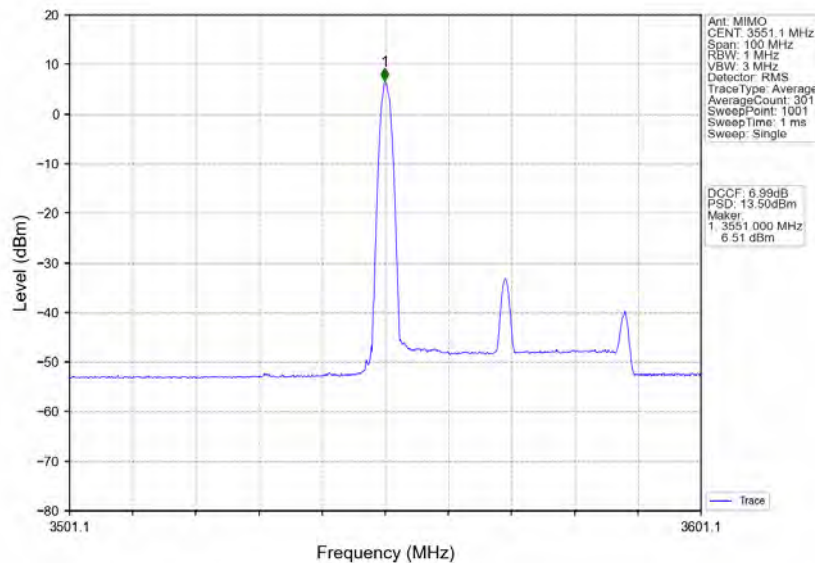
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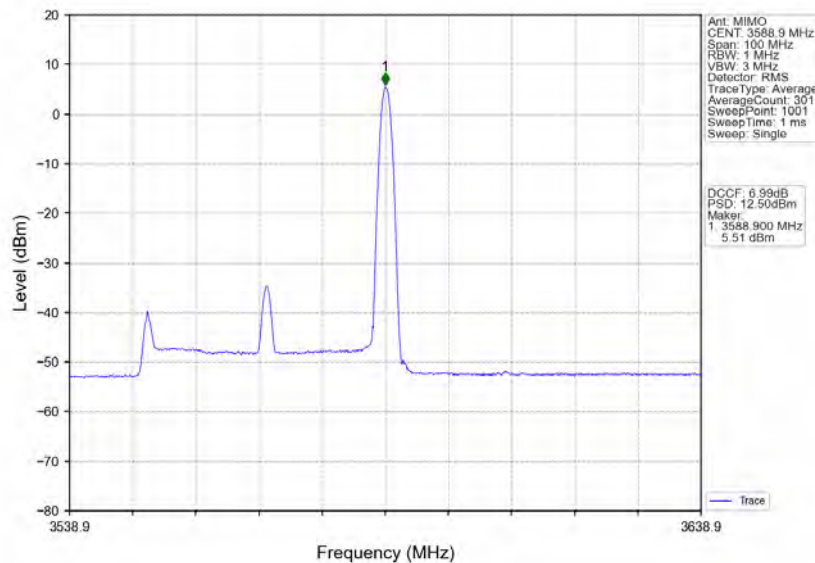
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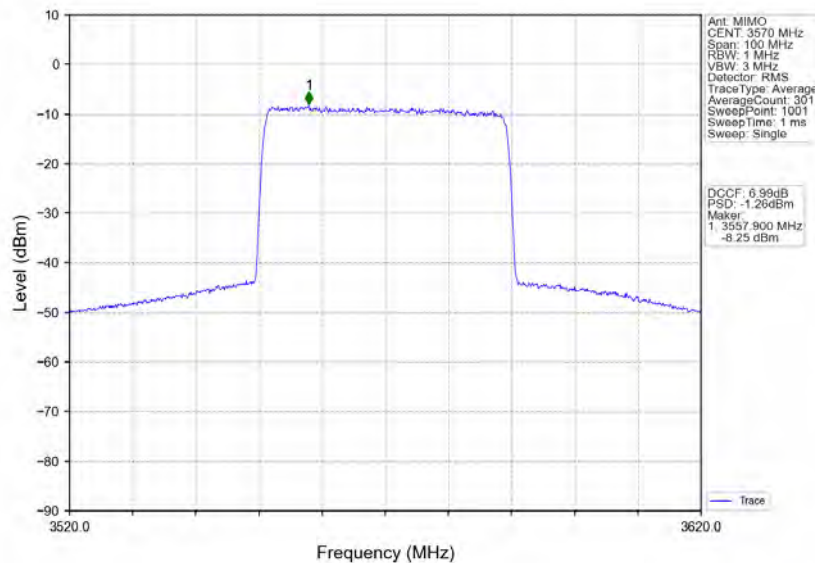
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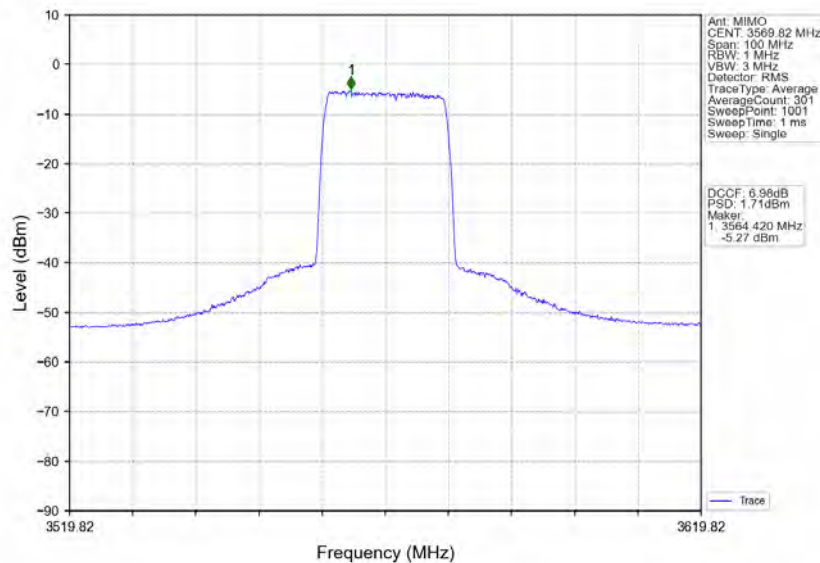
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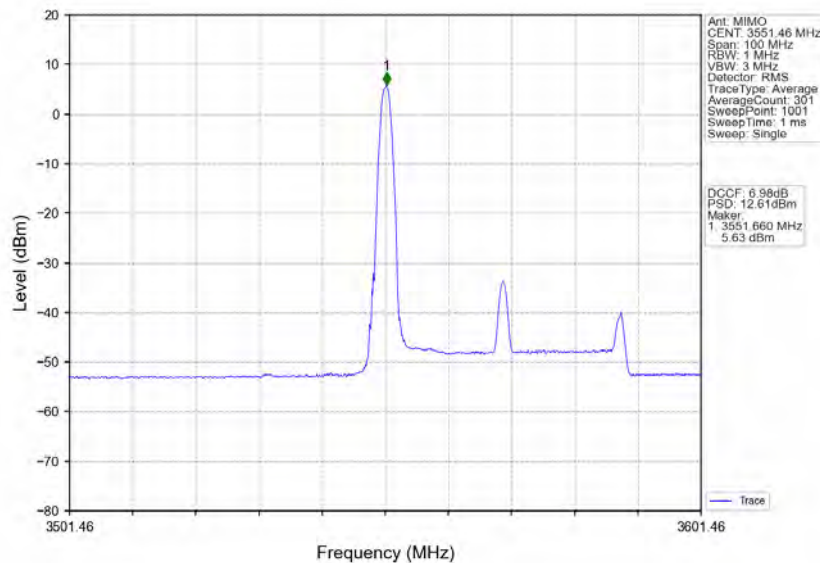
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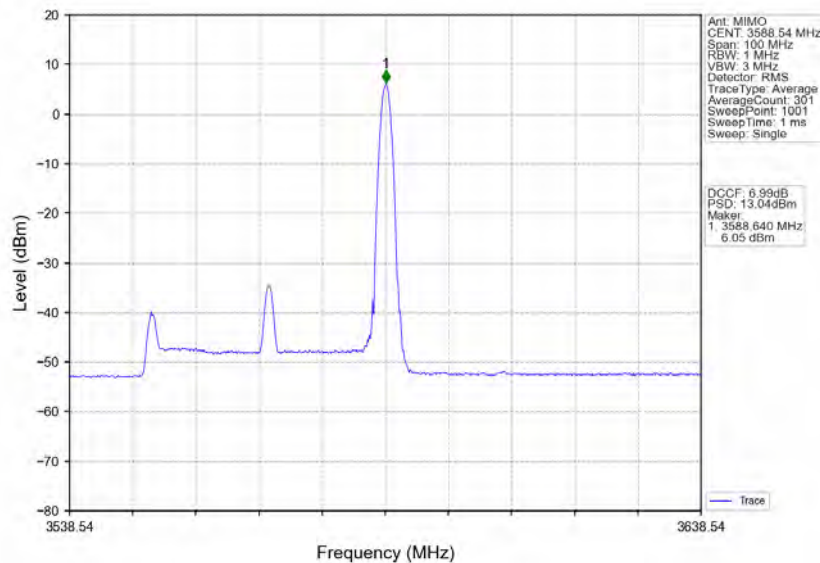
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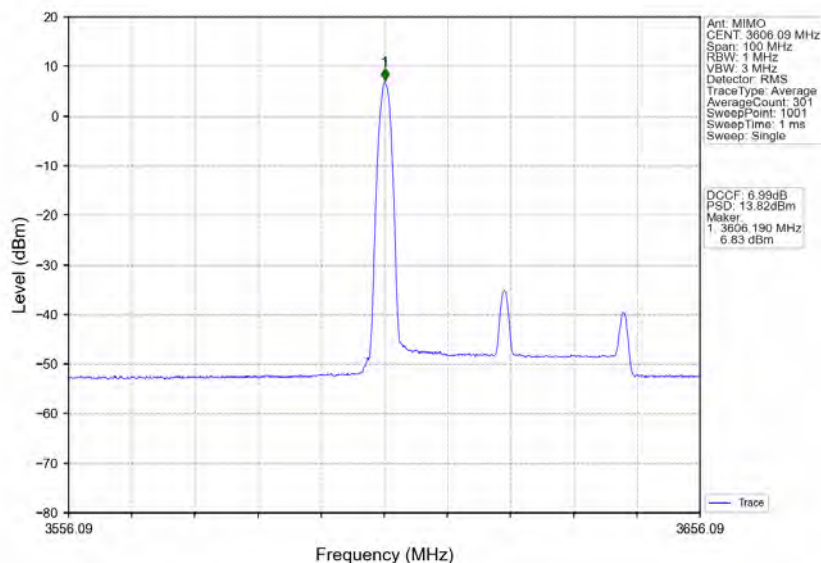
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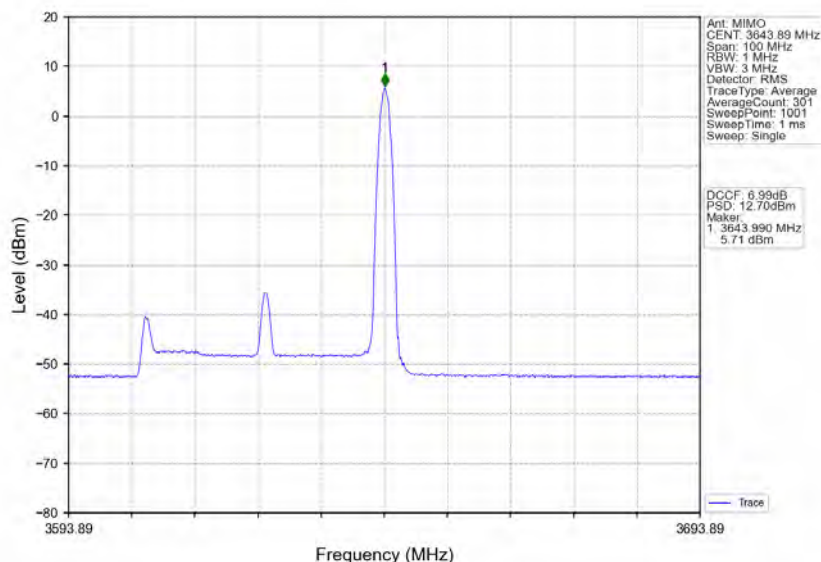
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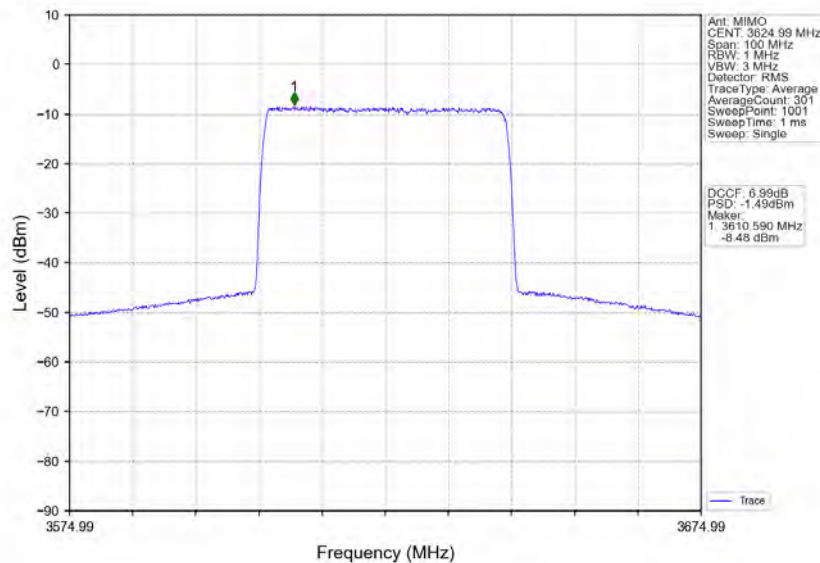
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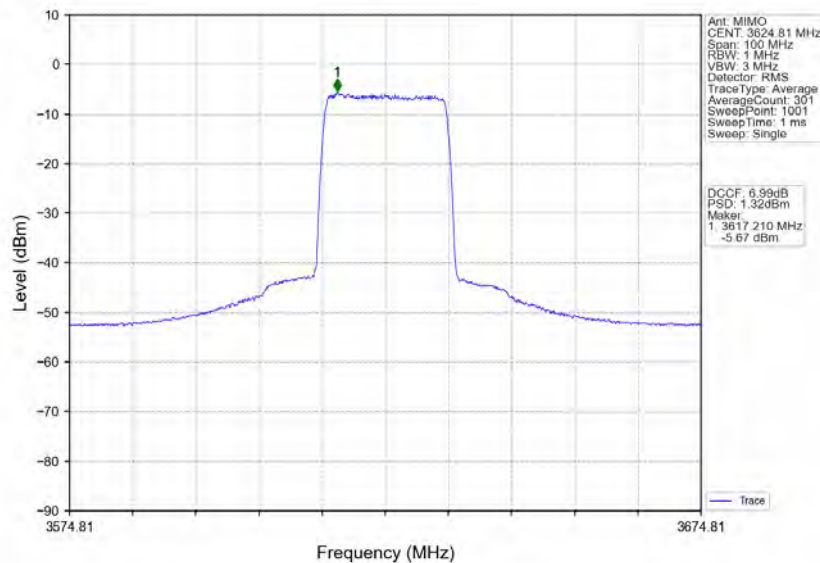
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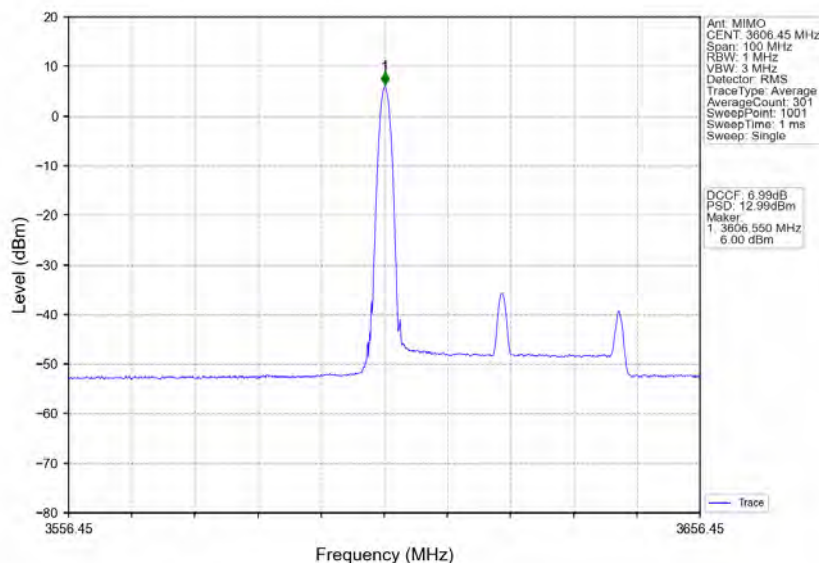
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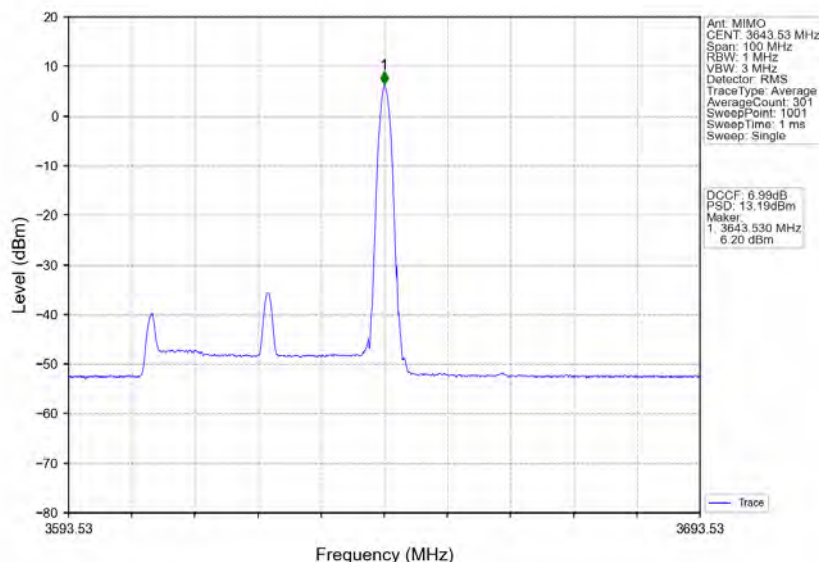
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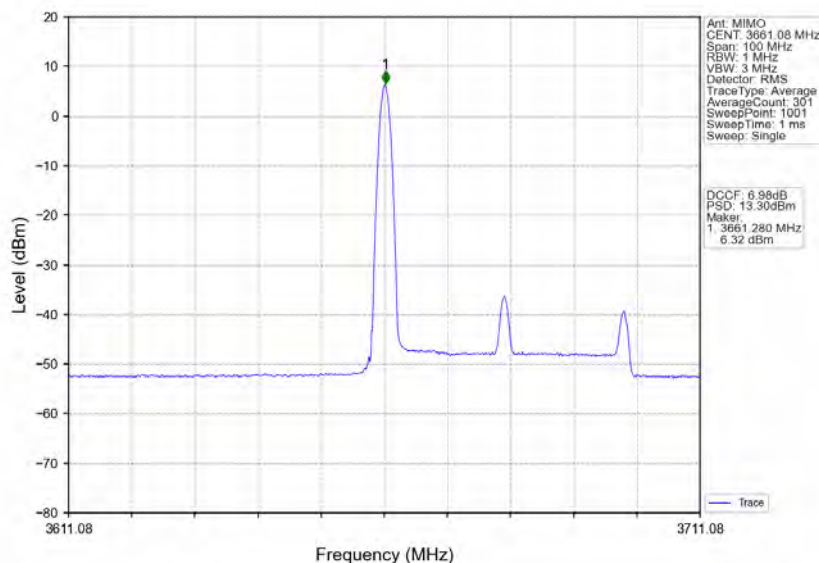
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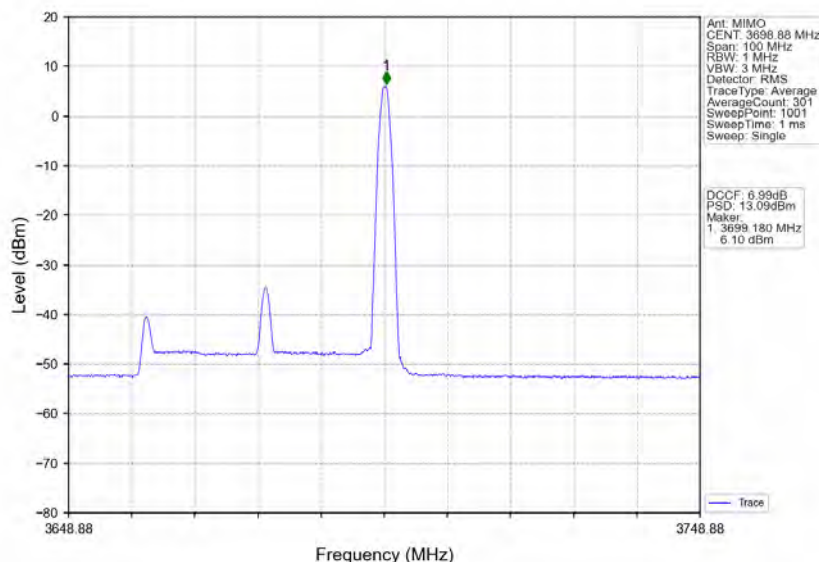
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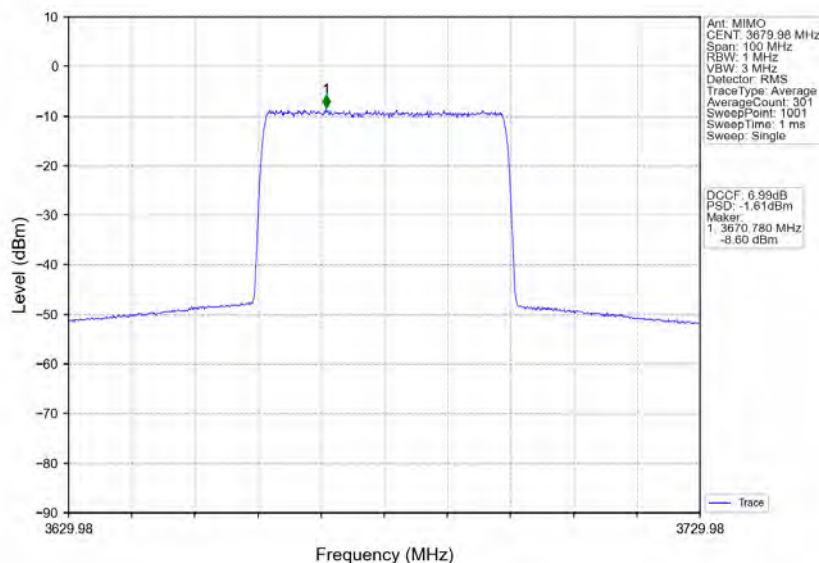
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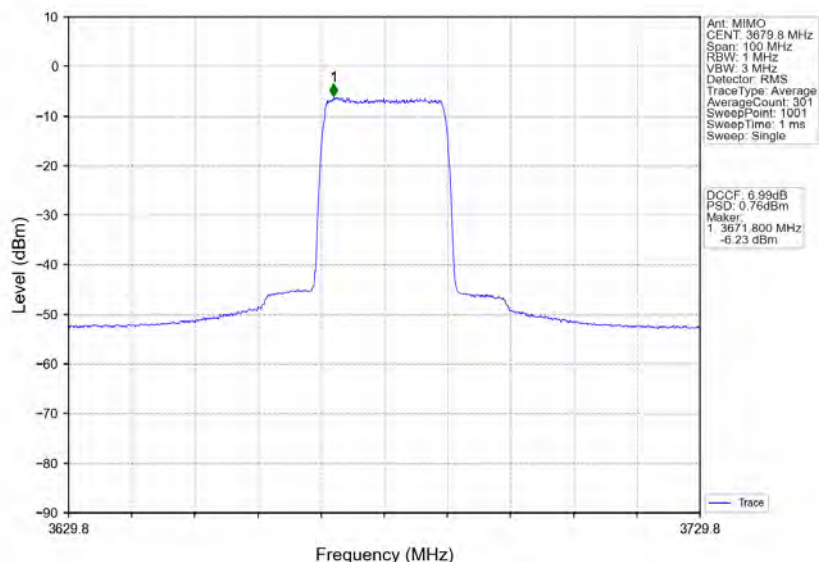
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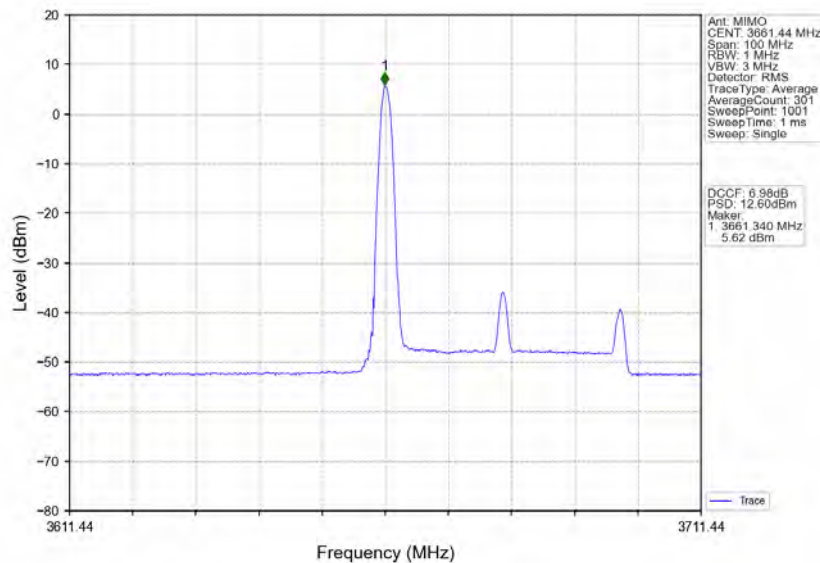
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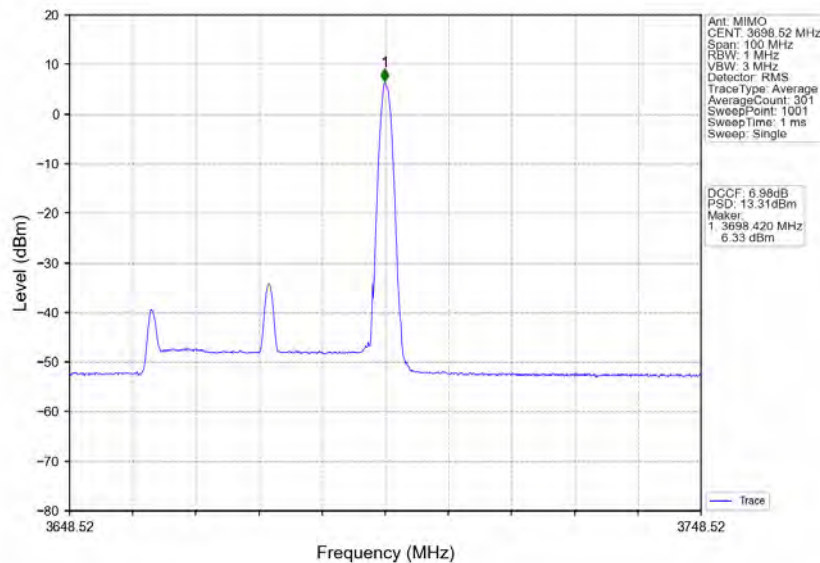
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2.16 30k_MIMO_50MHz_NTNV_EIRP

2.16.1 Test Result

5G NR n78d SCS=30kHz MIMO 50MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3575.01	Edge 1RB Left	10.59	10.48	13.55	15.49	16.28	18.91	-	Pass
		Edge 1RB Right	10.54	10.58	13.57	15.44	16.38	18.95	-	Pass
		Outer Full	10.45	10.42	13.44	15.35	16.22	18.82	-	Pass
		Inner Full	10.51	10.42	13.48	15.41	16.22	18.84	-	Pass
		Inner 1RB Left	10.47	10.44	13.47	15.37	16.24	18.84	-	Pass
		Inner 1RB Right	10.56	10.63	13.61	15.46	16.43	18.98	-	Pass
	3624.99	Edge 1RB Left	10.57	10.51	13.55	15.47	16.31	18.92	-	Pass
		Edge 1RB Right	10.15	10.54	13.36	15.05	16.34	18.75	-	Pass
		Outer Full	10.31	10.70	13.52	15.21	16.50	18.91	-	Pass
		Inner Full	10.37	10.70	13.55	15.27	16.50	18.94	-	Pass
		Inner 1RB Left	10.58	10.52	13.57	15.48	16.32	18.93	-	Pass
		Inner 1RB Right	10.09	10.63	13.38	14.99	16.43	18.78	-	Pass
	3675	Edge 1RB Left	9.82	10.53	13.20	14.72	16.33	18.61	-	Pass
		Edge 1RB Right	10.15	10.57	13.37	15.05	16.37	18.77	-	Pass
		Outer Full	9.94	10.43	13.20	14.84	16.23	18.60	-	Pass
		Inner Full	10.01	10.54	13.30	14.91	16.34	18.69	-	Pass
		Inner 1RB Left	9.96	10.60	13.30	14.86	16.40	18.71	-	Pass
		Inner 1RB Right	10.09	10.58	13.35	14.99	16.38	18.75	-	Pass
CP-OFDM 16 QAM	3575.01	Edge 1RB Left	10.23	10.39	13.32	15.13	16.19	18.70	-	Pass
		Edge 1RB Right	10.29	10.62	13.47	15.19	16.42	18.86	-	Pass
		Outer Full	10.41	10.50	13.46	15.31	16.30	18.84	-	Pass
		Inner Full	10.48	10.46	13.48	15.38	16.26	18.85	-	Pass
		Inner 1RB Left	10.25	10.40	13.34	15.15	16.20	18.72	-	Pass
		Inner 1RB Right	10.18	10.67	13.44	15.08	16.47	18.84	-	Pass
	3624.99	Edge 1RB Left	10.41	10.63	13.53	15.31	16.43	18.92	-	Pass
		Edge 1RB Right	9.70	10.57	13.17	14.60	16.37	18.58	-	Pass
		Outer Full	10.36	10.77	13.58	15.26	16.57	18.97	-	Pass
		Inner Full	10.44	10.73	13.60	15.34	16.53	18.99	-	Pass
		Inner 1RB Left	10.30	10.54	13.43	15.20	16.34	18.82	-	Pass
		Inner 1RB Right	9.80	10.73	13.30	14.70	16.53	18.72	-	Pass
	3675	Edge 1RB Left	9.67	10.58	13.16	14.57	16.38	18.58	-	Pass
		Edge 1RB Right	9.86	10.57	13.24	14.76	16.37	18.65	-	Pass
		Outer Full	9.93	10.44	13.20	14.83	16.24	18.60	-	Pass
		Inner Full	10.00	10.41	13.22	14.90	16.21	18.61	-	Pass
		Inner 1RB Left	9.72	10.64	13.21	14.62	16.44	18.63	-	Pass
		Inner 1RB Right	9.96	10.63	13.32	14.86	16.43	18.73	-	Pass
CP-OFDM 64 QAM	3575.01	Edge 1RB Left	10.38	10.61	13.50	15.28	16.41	18.89	-	Pass
		Edge 1RB Right	10.41	10.81	13.62	15.31	16.61	19.02	-	Pass
		Outer Full	10.41	10.46	13.45	15.31	16.26	18.82	-	Pass
		Inner Full	10.48	10.51	13.51	15.38	16.31	18.88	-	Pass
		Inner 1RB Left	10.37	10.60	13.49	15.27	16.40	18.88	-	Pass
		Inner 1RB Right	10.38	10.80	13.60	15.28	16.60	19.00	-	Pass
	3624.99	Edge 1RB Left	10.49	10.87	13.69	15.39	16.67	19.09	-	Pass
		Edge 1RB Right	10.00	10.85	13.46	14.90	16.65	18.87	-	Pass



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CP-OFDM 256 QAM		Outer_Full	10.40	10.72	13.57	15.30	16.52	18.96	-	Pass
		Inner_Full	10.38	10.79	13.60	15.28	16.59	18.99	-	Pass
		Inner_1RB_Left	10.47	10.79	13.64	15.37	16.59	19.03	-	Pass
		Inner_1RB_Right	9.98	10.81	13.43	14.88	16.61	18.84	-	Pass
	3675	Edge_1RB_Left	9.83	10.79	13.35	14.73	16.59	18.77	-	Pass
		Edge_1RB_Right	10.11	10.79	13.47	15.01	16.59	18.88	-	Pass
		Outer_Full	9.97	10.40	13.20	14.87	16.20	18.60	-	Pass
		Inner_Full	9.96	10.46	13.23	14.86	16.26	18.63	-	Pass
		Inner_1RB_Left	9.85	10.69	13.30	14.75	16.49	18.72	-	Pass
		Inner_1RB_Right	10.10	10.78	13.46	15.00	16.58	18.87	-	Pass
		Edge_1RB_Left	10.66	10.39	13.54	15.56	16.19	18.90	-	Pass
		Edge_1RB_Right	10.59	10.49	13.55	15.49	16.29	18.92	-	Pass
	3575.01	Outer_Full	10.47	10.39	13.44	15.37	16.19	18.81	-	Pass
		Inner_Full	10.54	10.55	13.55	15.44	16.35	18.93	-	Pass
		Inner_1RB_Left	10.58	10.34	13.47	15.48	16.14	18.83	-	Pass
		Inner_1RB_Right	10.59	10.48	13.55	15.49	16.28	18.91	-	Pass
		Edge_1RB_Left	10.71	10.58	13.66	15.61	16.38	19.02	-	Pass
		Edge_1RB_Right	10.21	10.65	13.45	15.11	16.45	18.84	-	Pass
		Outer_Full	10.40	10.73	13.58	15.30	16.53	18.97	-	Pass
		Inner_Full	10.43	10.83	13.65	15.33	16.63	19.04	-	Pass
	3624.99	Inner_1RB_Left	10.73	10.62	13.69	15.63	16.42	19.05	-	Pass
		Inner_1RB_Right	10.09	10.56	13.34	14.99	16.36	18.74	-	Pass
		Edge_1RB_Left	10.01	10.48	13.26	14.91	16.28	18.66	-	Pass
		Edge_1RB_Right	10.27	10.54	13.42	15.17	16.34	18.80	-	Pass
		Outer_Full	9.95	10.43	13.20	14.85	16.23	18.60	-	Pass
		Inner_Full	9.98	10.46	13.24	14.88	16.26	18.63	-	Pass
		Inner_1RB_Left	10.09	10.52	13.32	14.99	16.32	18.72	-	Pass
		Inner_1RB_Right	10.28	10.57	13.43	15.18	16.37	18.83	-	Pass

Note1: Antenna Gain: Ant1: 4.90dBi; Ant2: 5.80dBi;
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

2.17 30k_MIMO_50MHz_NTNV_EIRP/10MHz

2.17.1 Test Result

5G NR n78d SCS=30kHz MIMO 50MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3575.01	Edge_1RB_Left	8.71	10.75	12.86	13.61	16.55	18.33	<=30	Pass
		Edge_1RB_Right	10.41	9.82	13.14	15.31	15.62	18.48	<=30	Pass
		Outer_Full	3.25	3.43	6.35	8.15	9.23	11.73	<=30	Pass
		Inner_Full	6.41	6.10	9.27	11.31	11.90	14.63	<=30	Pass
		Inner_1RB_Left	10.25	10.61	13.44	15.15	16.41	18.84	<=30	Pass
		Inner_1RB_Right	10.50	11.60	14.10	15.40	17.40	19.52	<=30	Pass
	3624.99	Edge_1RB_Left	10.63	8.74	12.80	15.53	14.54	18.07	<=30	Pass
		Edge_1RB_Right	8.33	10.27	12.42	13.23	16.07	17.89	<=30	Pass
		Outer_Full	1.89	2.90	5.43	6.79	8.70	10.86	<=30	Pass
		Inner_Full	4.71	5.12	7.93	9.61	10.92	13.32	<=30	Pass
		Inner_1RB_Left	9.50	9.46	12.49	14.40	15.26	17.86	<=30	Pass
		Inner_1RB_Right	7.81	8.97	11.44	12.71	14.77	16.87	<=30	Pass
	3675	Edge_1RB_Left	8.64	10.11	12.45	13.54	15.91	17.90	<=30	Pass



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CP-OFDM 16 QAM	3575.01	Edge 1RB Right	8.88	8.74	11.82	13.78	14.54	17.19	<=30	Pass
		Outer Full	1.79	2.87	5.37	6.69	8.67	10.80	<=30	Pass
		Inner Full	5.18	5.36	8.28	10.08	11.16	13.66	<=30	Pass
		Inner 1RB Left	9.01	9.61	12.33	13.91	15.41	17.73	<=30	Pass
		Inner 1RB Right	8.58	9.28	11.95	13.48	15.08	17.36	<=30	Pass
		Edge 1RB Left	9.67	10.79	13.28	14.57	16.59	18.71	<=30	Pass
	3624.99	Edge 1RB Right	9.08	9.93	12.54	13.98	15.73	17.95	<=30	Pass
		Outer Full	3.35	2.46	5.94	8.25	8.26	11.27	<=30	Pass
		Inner Full	5.75	5.42	8.60	10.65	11.22	13.95	<=30	Pass
		Inner 1RB Left	9.98	9.59	12.80	14.88	15.39	18.15	<=30	Pass
		Inner 1RB Right	9.43	8.91	12.19	14.33	14.71	17.53	<=30	Pass
		Edge 1RB Left	9.38	9.53	12.47	14.28	15.33	17.85	<=30	Pass
	3675	Edge 1RB Right	6.70	8.96	10.99	11.60	14.76	16.47	<=30	Pass
		Outer Full	2.74	2.78	5.77	7.64	8.58	11.15	<=30	Pass
		Inner Full	5.99	5.40	8.72	10.89	11.20	14.06	<=30	Pass
		Inner 1RB Left	10.03	9.26	12.67	14.93	15.06	18.01	<=30	Pass
		Inner 1RB Right	8.97	8.87	11.93	13.87	14.67	17.30	<=30	Pass
		Edge 1RB Left	8.16	9.81	12.07	13.06	15.61	17.53	<=30	Pass
CP-OFDM 64 QAM	3575.01	Edge 1RB Right	8.47	10.00	12.31	13.37	15.80	17.76	<=30	Pass
		Outer Full	1.82	2.10	4.97	6.72	7.90	10.36	<=30	Pass
		Inner Full	5.33	6.02	8.70	10.23	11.82	14.11	<=30	Pass
		Inner 1RB Left	8.81	9.10	11.97	13.71	14.90	17.36	<=30	Pass
		Inner 1RB Right	7.34	9.68	11.68	12.24	15.48	17.17	<=30	Pass
		Edge 1RB Left	9.99	10.20	13.11	14.89	16.00	18.49	<=30	Pass
	3624.99	Edge 1RB Right	8.49	10.05	12.35	13.39	15.85	17.80	<=30	Pass
		Outer Full	2.66	3.11	5.90	7.56	8.91	11.30	<=30	Pass
		Inner Full	5.34	6.53	8.99	10.24	12.33	14.42	<=30	Pass
		Inner 1RB Left	10.19	10.04	13.13	15.09	15.84	18.49	<=30	Pass
		Inner 1RB Right	10.11	10.23	13.18	15.01	16.03	18.56	<=30	Pass
		Edge 1RB Left	8.81	9.01	11.92	13.71	14.81	17.31	<=30	Pass
	3675	Edge 1RB Right	7.95	8.57	11.28	12.85	14.37	16.69	<=30	Pass
		Outer Full	2.94	3.10	6.03	7.84	8.90	11.41	<=30	Pass
		Inner Full	4.18	6.20	8.32	9.08	12.00	13.79	<=30	Pass
		Inner 1RB Left	9.23	8.71	11.99	14.13	14.51	17.33	<=30	Pass
		Inner 1RB Right	9.94	9.37	12.67	14.84	15.17	18.02	<=30	Pass
		Edge 1RB Left	8.52	8.92	11.73	13.42	14.72	17.13	<=30	Pass
CP-OFDM 256 QAM	3575.01	Edge 1RB Right	8.78	10.13	12.52	13.68	15.93	17.96	<=30	Pass
		Outer Full	2.21	2.78	5.51	7.11	8.58	10.92	<=30	Pass
		Inner Full	4.03	5.88	8.06	8.93	11.68	13.53	<=30	Pass
		Inner 1RB Left	8.61	9.44	12.06	13.51	15.24	17.47	<=30	Pass
		Inner 1RB Right	9.61	8.73	12.20	14.51	14.53	17.53	<=30	Pass
		Edge 1RB Left	9.37	10.08	12.75	14.27	15.88	18.16	<=30	Pass
	3624.99	Edge 1RB Right	9.77	9.77	12.78	14.67	15.57	18.15	<=30	Pass
		Outer Full	3.73	2.77	6.29	8.63	8.57	11.61	<=30	Pass
		Inner Full	6.09	6.23	9.17	10.99	12.03	14.55	<=30	Pass
		Inner 1RB Left	10.26	10.14	13.21	15.16	15.94	18.58	<=30	Pass
		Inner 1RB Right	10.18	9.03	12.65	15.08	14.83	17.97	<=30	Pass
		Edge 1RB Left	10.41	10.59	13.51	15.31	16.39	18.89	<=30	Pass
	3675	Edge 1RB Right	9.47	7.46	11.59	14.37	13.26	16.86	<=30	Pass
		Outer Full	2.81	2.77	5.80	7.71	8.57	11.17	<=30	Pass
		Inner Full	4.90	6.02	8.51	9.80	11.82	13.94	<=30	Pass
		Inner 1RB Left	9.40	8.14	11.83	14.30	13.94	17.13	<=30	Pass
		Inner 1RB Right	8.41	8.90	11.67	13.31	14.70	17.07	<=30	Pass
		Edge 1RB Left	9.54	9.17	12.37	14.44	14.97	17.72	<=30	Pass

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	Edge_1RB_Right	9.40	8.54	12.00	14.30	14.34	17.33	<=30	Pass
	Outer_Full	0.36	1.91	4.21	5.26	7.71	9.67	<=30	Pass
	Inner_Full	4.40	5.83	8.18	9.30	11.63	13.63	<=30	Pass
	Inner_1RB_Left	9.62	9.96	12.80	14.52	15.76	18.19	<=30	Pass
	Inner_1RB_Right	8.33	8.68	11.52	13.23	14.48	16.91	<=30	Pass

Note1: Antenna Gain: Ant1: 4.90dBi; Ant2: 5.80dBi;
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

2.18 30k_MIMO_50MHz_NTNV_PSD

2.18.1 Test Result

5G NR n78d SCS=30kHz MIMO 50MHz 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	3575.01	Edge_1RB_Left	8.71	10.75	13.02	13.61	16.55	18.82	<=20	Pass
		Edge_1RB_Right	10.41	9.82	13.63	15.31	15.62	19.43	<=20	Pass
		Outer_Full	3.25	3.43	-2.40	8.15	9.23	3.40	<=20	Pass
		Inner_Full	6.41	6.10	0.57	11.31	11.90	6.37	<=20	Pass
		Inner_1RB_Left	10.25	10.61	13.04	15.15	16.41	18.84	<=20	Pass
		Inner_1RB_Right	10.50	11.60	12.78	15.40	17.40	18.58	<=20	Pass
	3624.99	Edge_1RB_Left	10.63	8.74	13.10	15.53	14.54	18.90	<=20	Pass
		Edge_1RB_Right	8.33	10.27	12.85	13.23	16.07	18.65	<=20	Pass
		Outer_Full	1.89	2.90	-2.82	6.79	8.70	2.98	<=20	Pass
		Inner_Full	4.71	5.12	-0.73	9.61	10.92	5.07	<=20	Pass
		Inner_1RB_Left	9.50	9.46	12.75	14.40	15.26	18.55	<=20	Pass
		Inner_1RB_Right	7.81	8.97	12.22	12.71	14.77	18.02	<=20	Pass
	3675	Edge_1RB_Left	8.64	10.11	12.76	13.54	15.91	18.56	<=20	Pass
		Edge_1RB_Right	8.88	8.74	12.15	13.78	14.54	17.95	<=20	Pass
		Outer_Full	1.79	2.87	-3.90	6.69	8.67	1.90	<=20	Pass
		Inner_Full	5.18	5.36	-0.31	10.08	11.16	5.49	<=20	Pass
		Inner_1RB_Left	9.01	9.61	11.91	13.91	15.41	17.71	<=20	Pass
		Inner_1RB_Right	8.58	9.28	11.90	13.48	15.08	17.70	<=20	Pass
CP-OFDM 16 QAM	3575.01	Edge_1RB_Left	9.67	10.79	12.62	14.57	16.59	18.42	<=20	Pass
		Edge_1RB_Right	9.08	9.93	12.70	13.98	15.73	18.50	<=20	Pass
		Outer_Full	3.35	2.46	-2.22	8.25	8.26	3.58	<=20	Pass
		Inner_Full	5.75	5.42	0.75	10.65	11.22	6.55	<=20	Pass
		Inner_1RB_Left	9.98	9.59	12.76	14.88	15.39	18.56	<=20	Pass
		Inner_1RB_Right	9.43	8.91	12.60	14.33	14.71	18.40	<=20	Pass
	3624.99	Edge_1RB_Left	9.38	9.53	12.59	14.28	15.33	18.39	<=20	Pass
		Edge_1RB_Right	6.70	8.96	13.34	11.60	14.76	19.14	<=20	Pass
		Outer_Full	2.74	2.78	-3.16	7.64	8.58	2.64	<=20	Pass
		Inner_Full	5.99	5.40	0.73	10.89	11.20	6.53	<=20	Pass
		Inner_1RB_Left	10.03	9.26	13.03	14.93	15.06	18.83	<=20	Pass
		Inner_1RB_Right	8.97	8.87	12.77	13.87	14.67	18.57	<=20	Pass
	3675	Edge_1RB_Left	8.16	9.81	13.27	13.06	15.61	19.07	<=20	Pass
		Edge_1RB_Right	8.47	10.00	11.72	13.37	15.80	17.52	<=20	Pass
		Outer_Full	1.82	2.10	-3.08	6.72	7.90	2.72	<=20	Pass
		Inner_Full	5.33	6.02	-0.54	10.23	11.82	5.26	<=20	Pass
		Inner_1RB_Left	8.81	9.10	11.72	13.71	14.90	17.52	<=20	Pass
		Inner_1RB_Right	7.34	9.68	12.10	12.24	15.48	17.90	<=20	Pass



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CP-OFDM 64 QAM	3575.01	Edge 1RB Left	9.99	10.20	13.29	14.89	16.00	19.09	<=20	Pass
		Edge 1RB Right	8.49	10.05	13.84	13.39	15.85	19.64	<=20	Pass
		Outer Full	2.66	3.11	-2.63	7.56	8.91	3.17	<=20	Pass
		Inner Full	5.34	6.53	0.63	10.24	12.33	6.43	<=20	Pass
		Inner 1RB Left	10.19	10.04	13.19	15.09	15.84	18.99	<=20	Pass
	3624.99	Inner 1RB Right	10.11	10.23	12.34	15.01	16.03	18.14	<=20	Pass
		Edge 1RB Left	8.81	9.01	12.34	13.71	14.81	18.14	<=20	Pass
		Edge 1RB Right	7.95	8.57	12.48	12.85	14.37	18.28	<=20	Pass
		Outer Full	2.94	3.10	-2.51	7.84	8.90	3.29	<=20	Pass
		Inner Full	4.18	6.20	0.32	9.08	12.00	6.12	<=20	Pass
	3675	Inner 1RB Left	9.23	8.71	13.96	14.13	14.51	19.76	<=20	Pass
		Inner 1RB Right	9.94	9.37	11.63	14.84	15.17	17.43	<=20	Pass
		Edge 1RB Left	8.52	8.92	12.35	13.42	14.72	18.15	<=20	Pass
		Edge 1RB Right	8.78	10.13	12.09	13.68	15.93	17.89	<=20	Pass
		Outer Full	2.21	2.78	-2.92	7.11	8.58	2.88	<=20	Pass
CP-OFDM 256 QAM	3575.01	Inner Full	4.03	5.88	-0.79	8.93	11.68	5.01	<=20	Pass
		Inner 1RB Left	8.61	9.44	12.85	13.51	15.24	18.65	<=20	Pass
		Inner 1RB Right	9.61	8.73	12.68	14.51	14.53	18.48	<=20	Pass
		Edge 1RB Left	9.37	10.08	13.19	14.27	15.88	18.99	<=20	Pass
		Edge 1RB Right	9.77	9.77	13.83	14.67	15.57	19.63	<=20	Pass
	3624.99	Outer Full	3.73	2.77	-2.84	8.63	8.57	2.96	<=20	Pass
		Inner Full	6.09	6.23	0.93	10.99	12.03	6.73	<=20	Pass
		Inner 1RB Left	10.26	10.14	13.06	15.16	15.94	18.86	<=20	Pass
		Inner 1RB Right	10.18	9.03	13.41	15.08	14.83	19.21	<=20	Pass
		Edge 1RB Left	10.41	10.59	13.44	15.31	16.39	19.24	<=20	Pass
	3675	Edge 1RB Right	9.47	7.46	12.21	14.37	13.26	18.01	<=20	Pass
		Outer Full	2.81	2.77	-3.15	7.71	8.57	2.65	<=20	Pass
		Inner Full	4.90	6.02	-0.38	9.80	11.82	5.42	<=20	Pass
		Inner 1RB Left	9.40	8.14	14.15	14.30	13.94	19.95	<=20	Pass
		Inner 1RB Right	8.41	8.90	13.08	13.31	14.70	18.88	<=20	Pass
		Edge 1RB Left	9.54	9.17	11.69	14.44	14.97	17.49	<=20	Pass
		Edge 1RB Right	9.40	8.54	11.78	14.30	14.34	17.58	<=20	Pass
		Outer Full	0.36	1.91	-3.35	5.26	7.71	2.45	<=20	Pass
		Inner Full	4.40	5.83	-0.09	9.30	11.63	5.71	<=20	Pass
		Inner 1RB Left	9.62	9.96	12.88	14.52	15.76	18.68	<=20	Pass
		Inner 1RB Right	8.33	8.68	11.49	13.23	14.48	17.29	<=20	Pass

Note1: Antenna Gain: Ant1: 4.90dBi; Ant2: 5.80dBi;

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



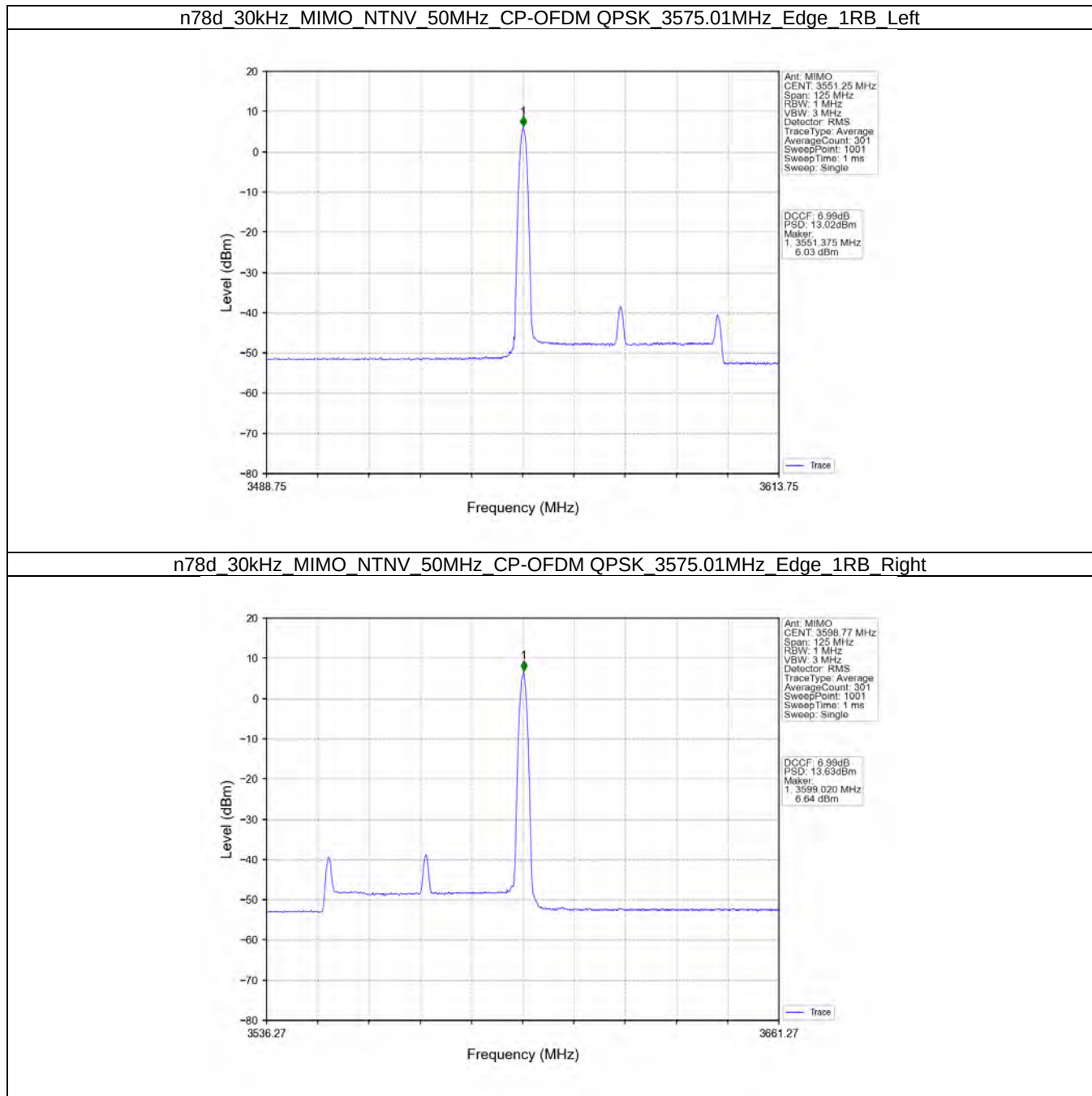
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2.18.2 Test Graph



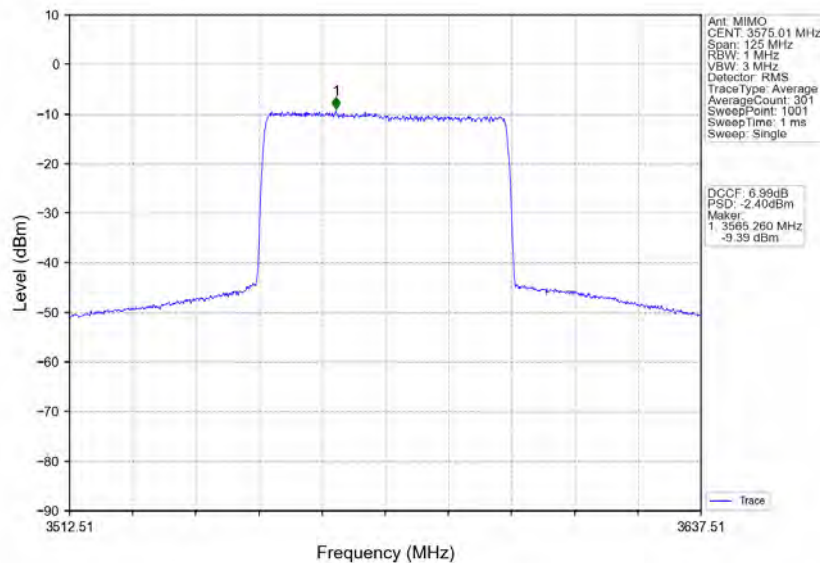
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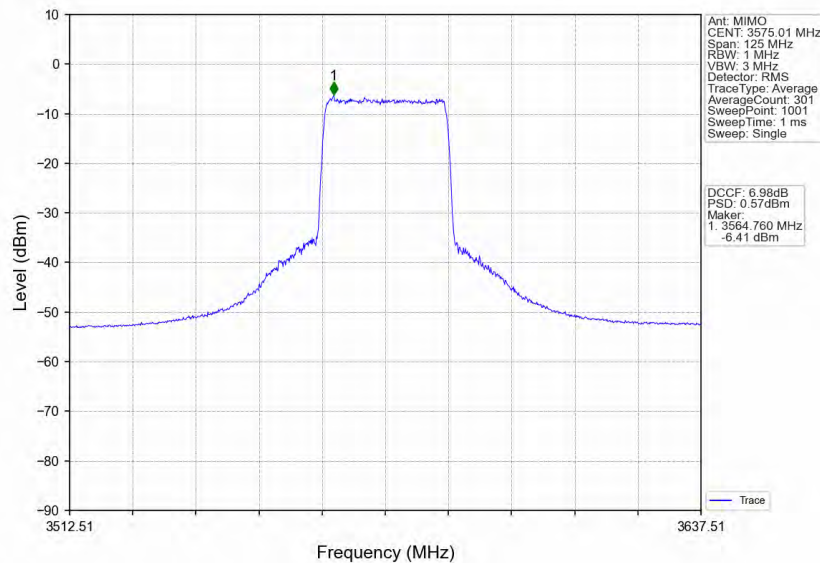
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n78d_30kHz_MIMO_NTNV_50MHz_CP-OFDM QPSK_3575.01MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_50MHz_CP-OFDM QPSK_3575.01MHz_Inner_Full



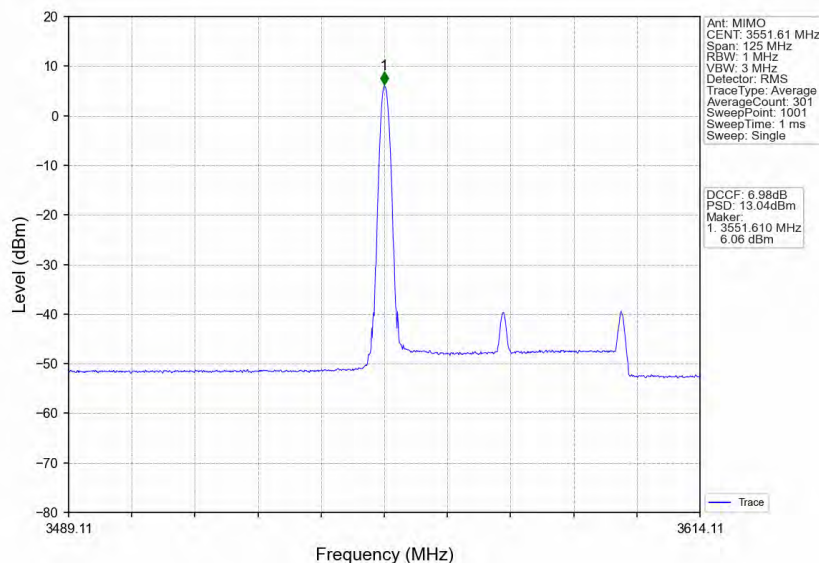
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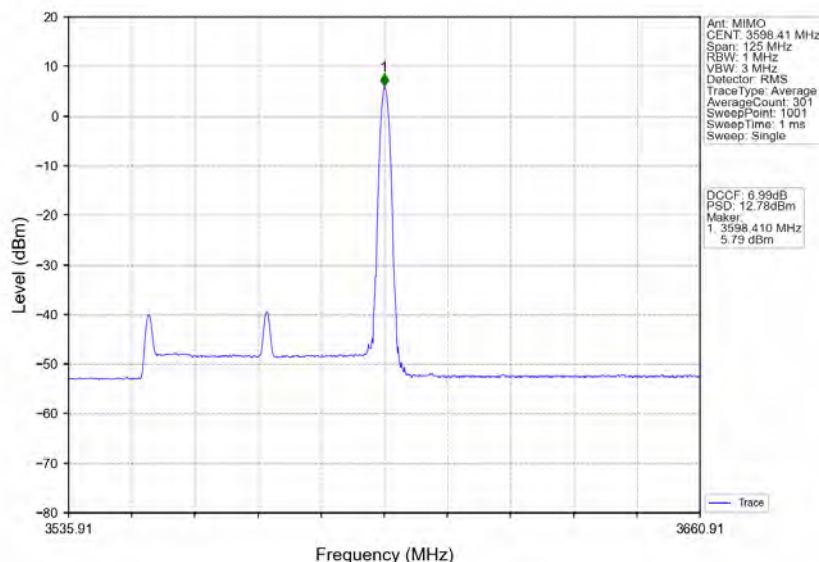
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n78d_30kHz_MIMO_NTNV_50MHz_CP-OFDM QPSK_3575.01MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_50MHz_CP-OFDM QPSK_3575.01MHz_Inner_1RB_Right



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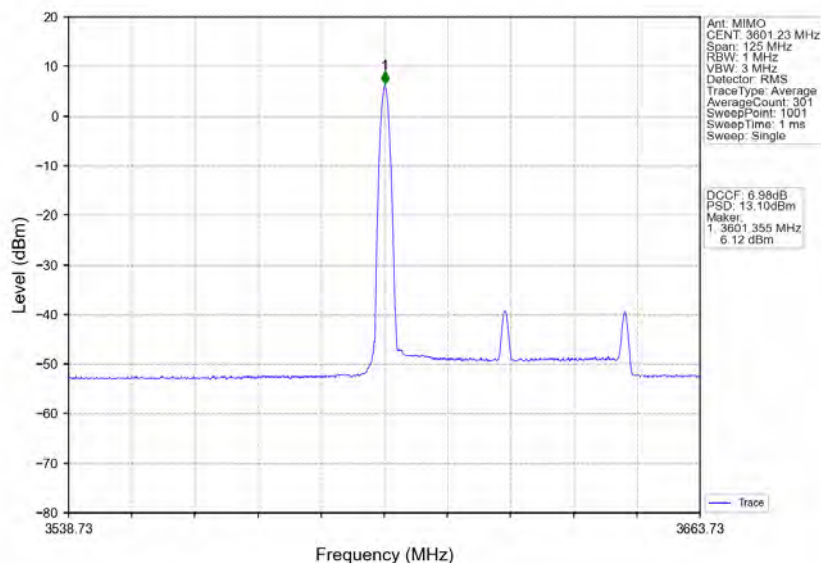
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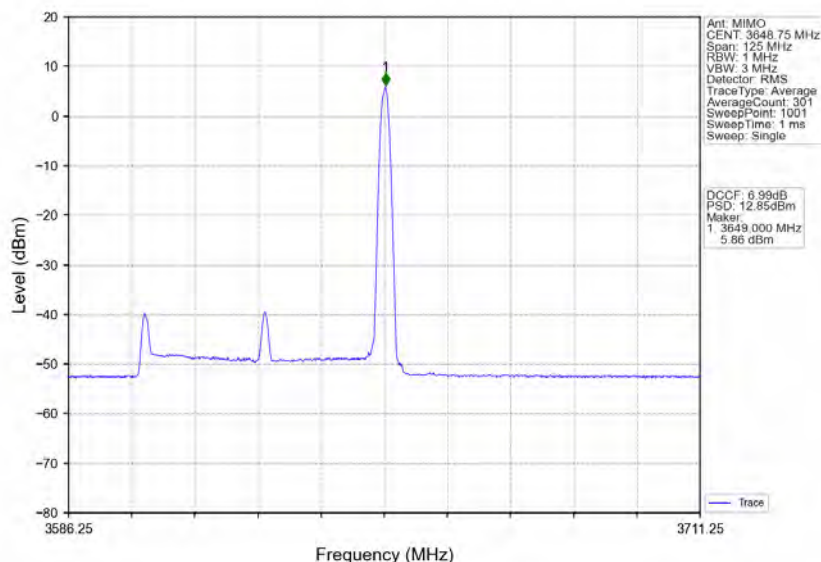
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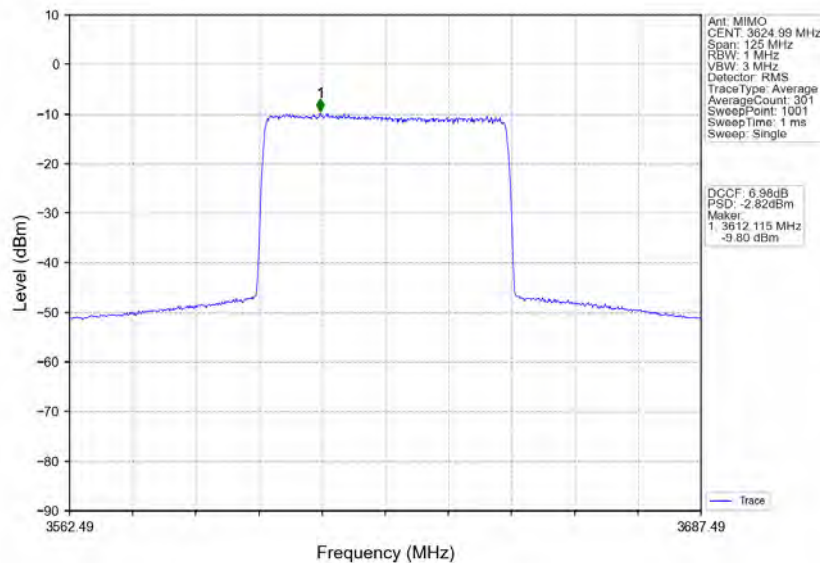
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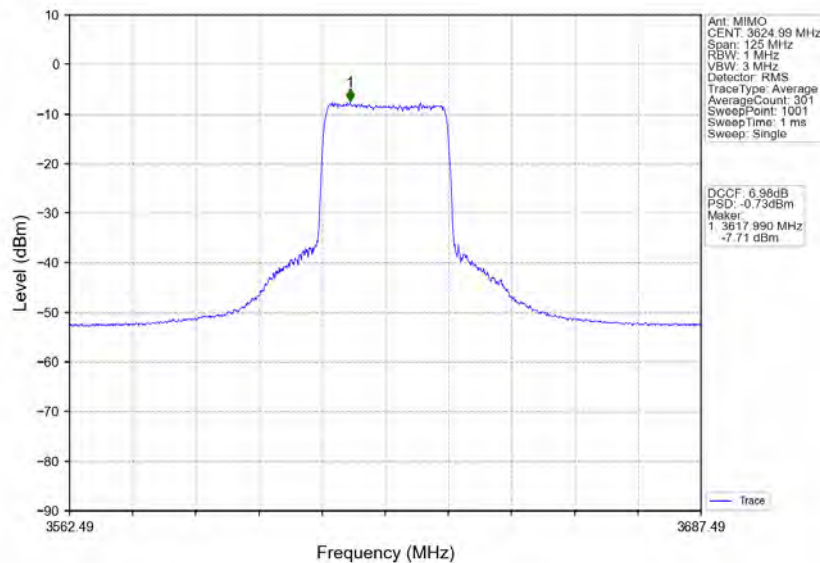
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n78d_30kHz_MIMO_NTNV_50MHz_CP-OFDM QPSK_3624.99MHz_Inner_Full



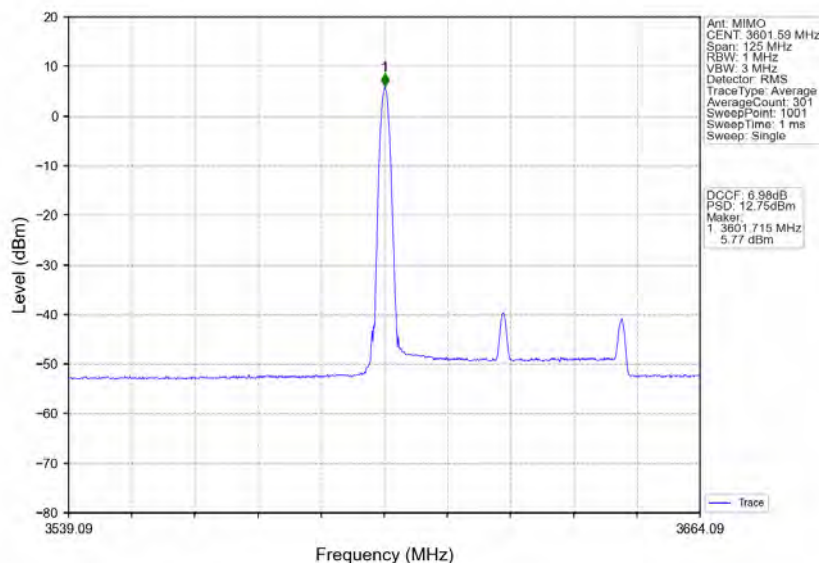
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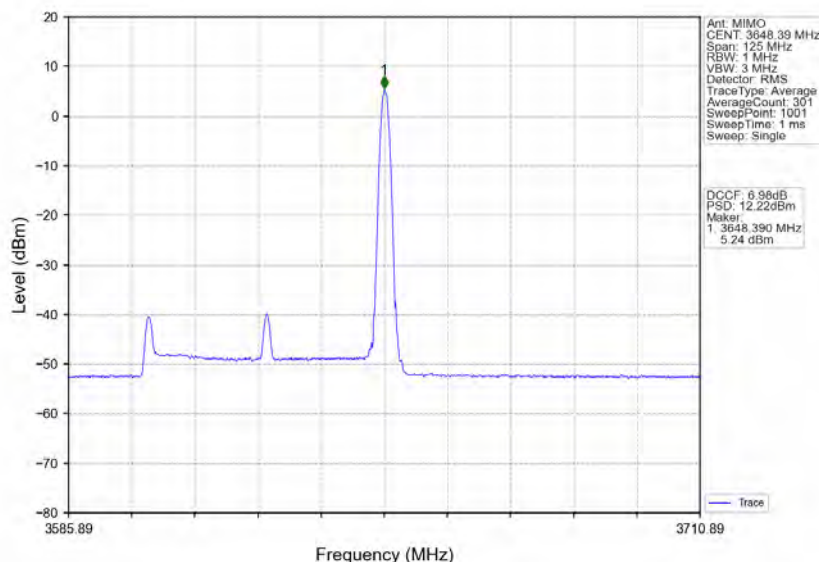
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n78d_30kHz_MIMO_NTNV_50MHz_CP-OFDM_QPSK_3624.99MHz_Inner_1RB_Right



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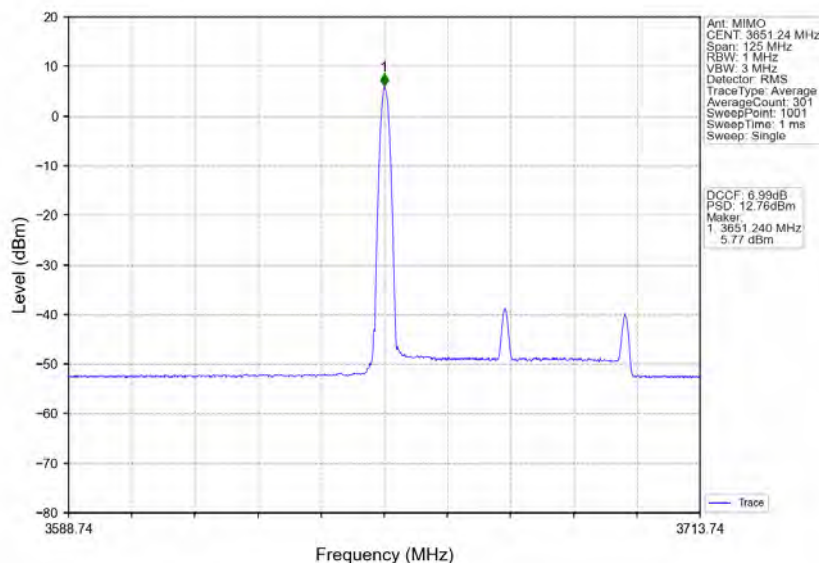
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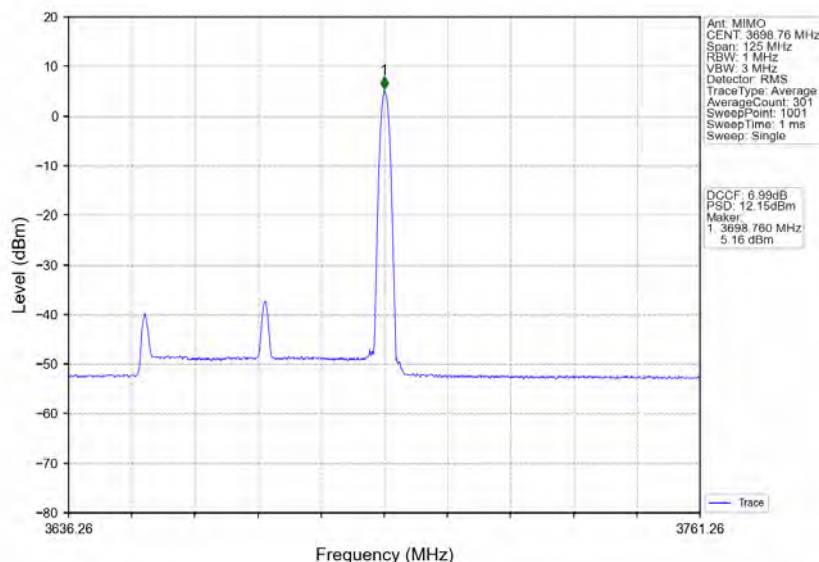
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n78d_30kHz_MIMO_NTNV_50MHz_CP-OFDM QPSK_3675MHz_Edge_1RB_Right



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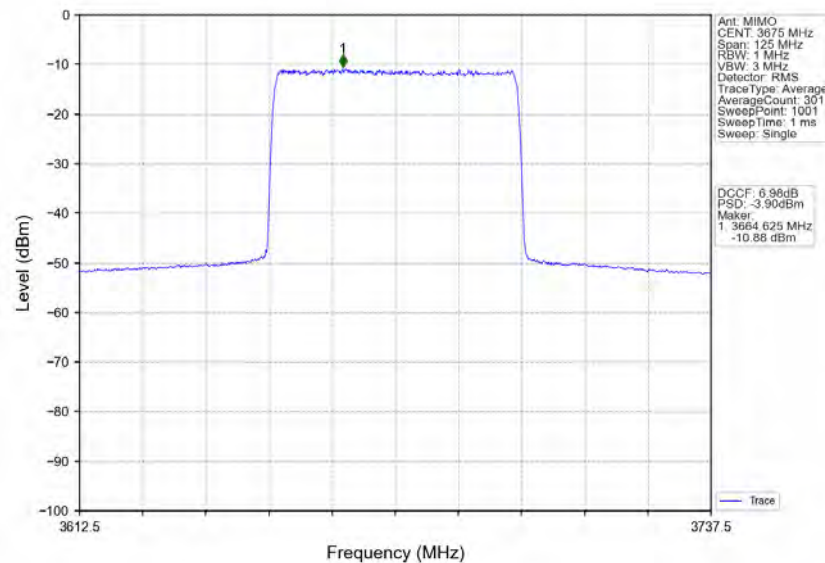
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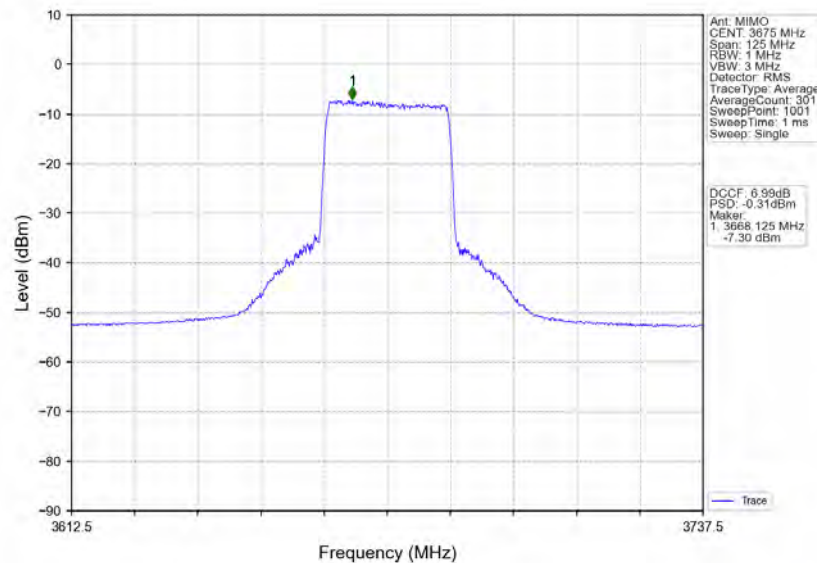
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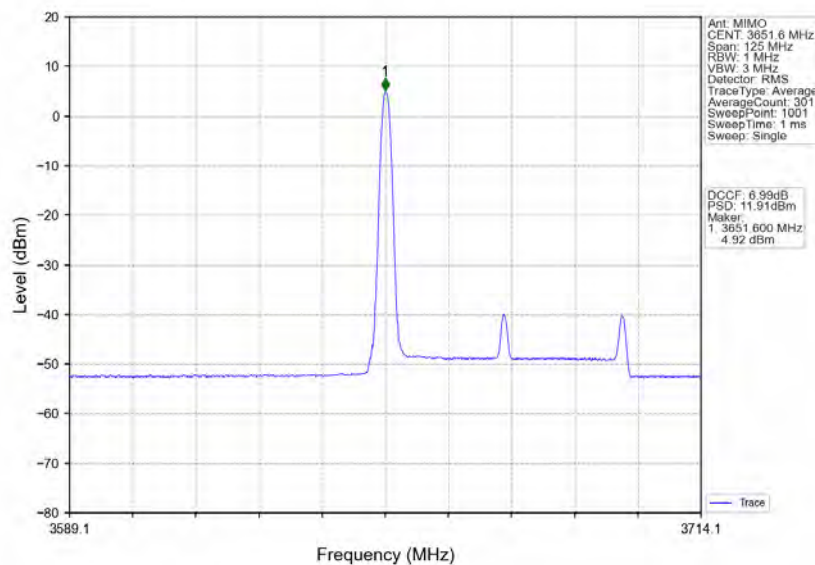
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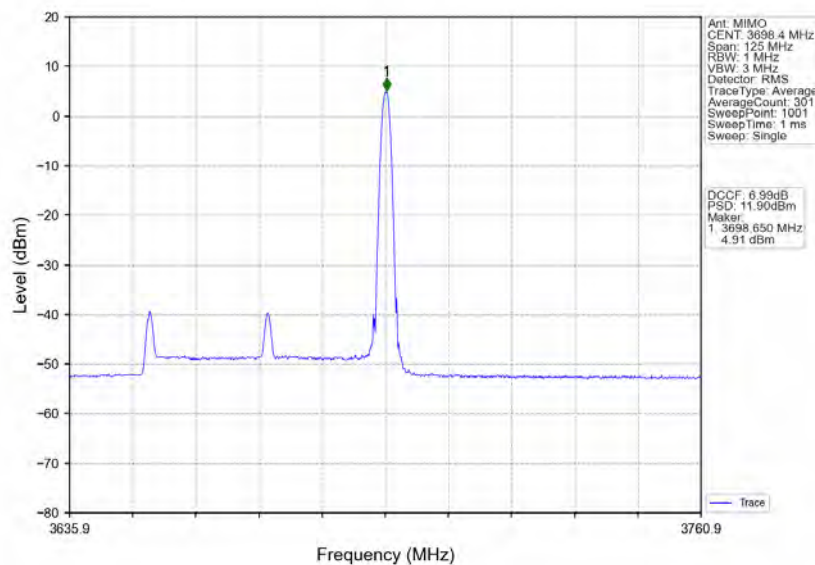
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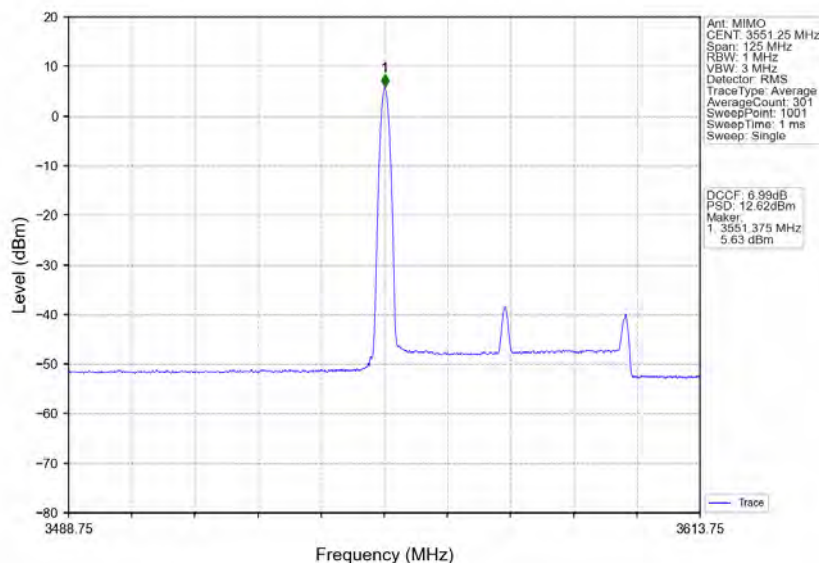
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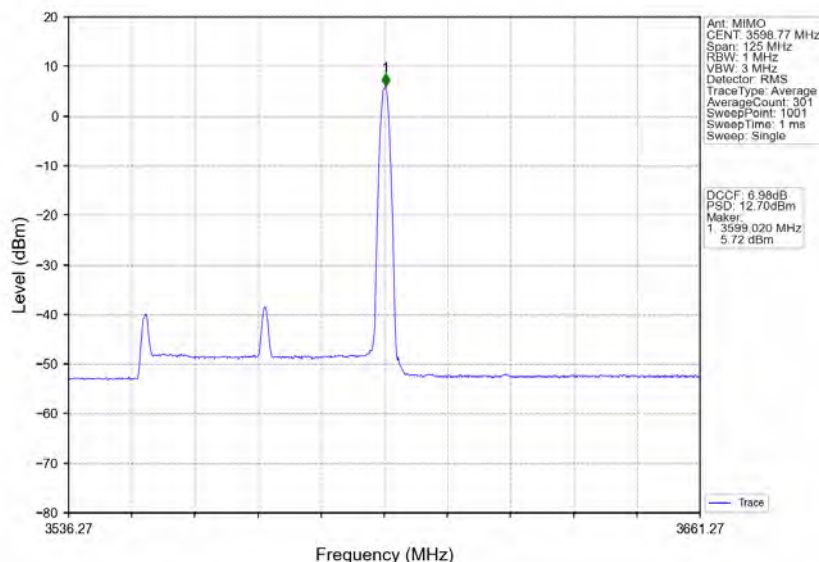
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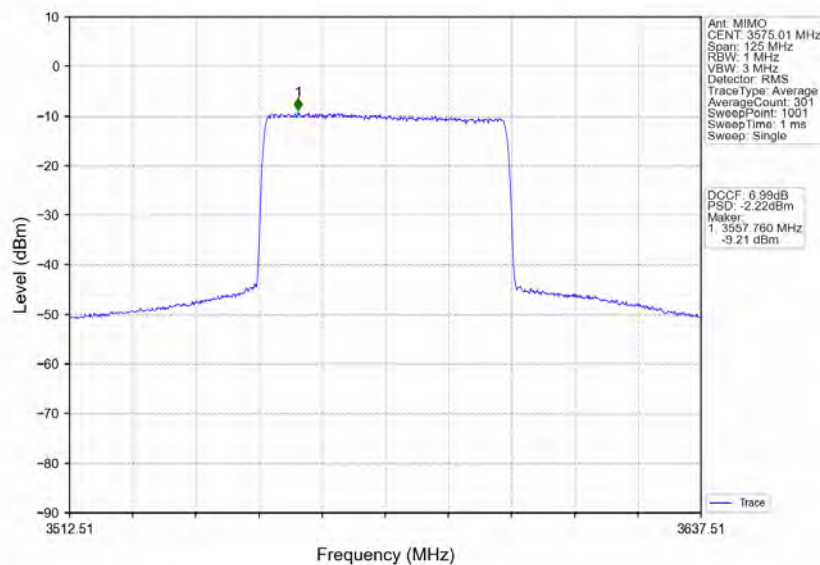
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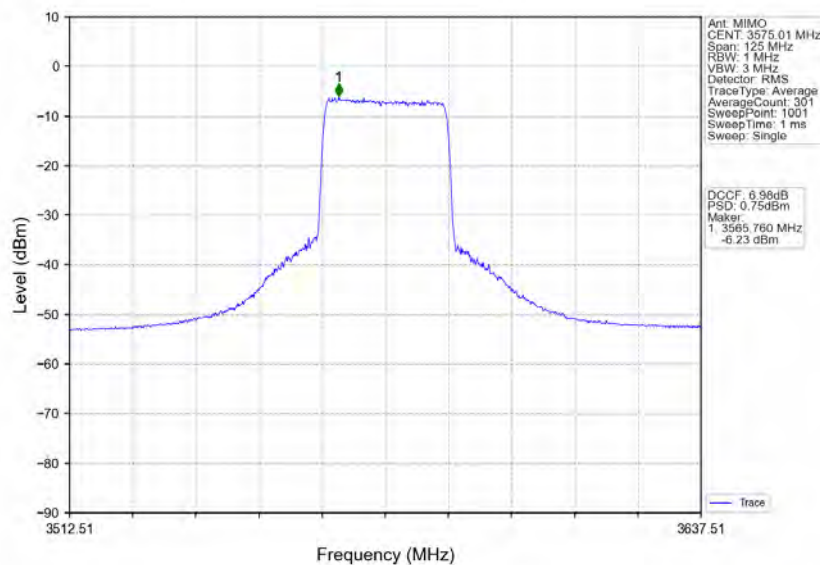
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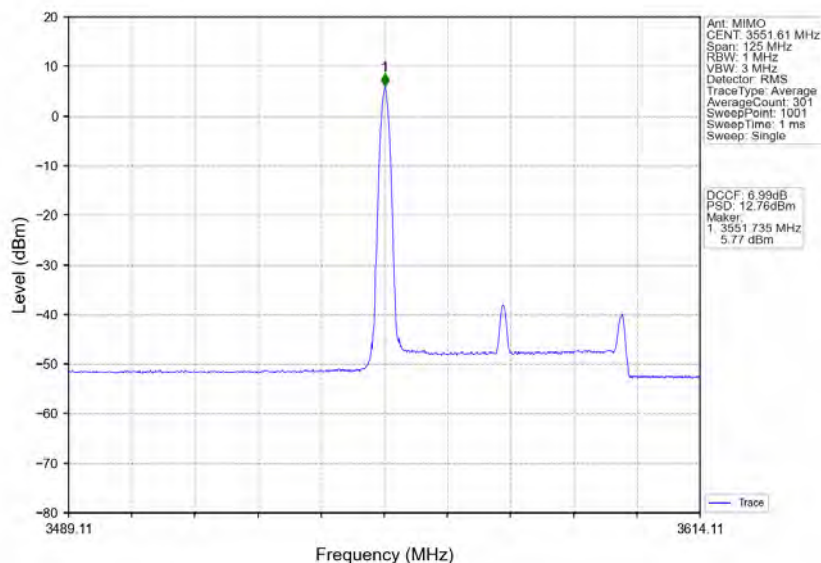
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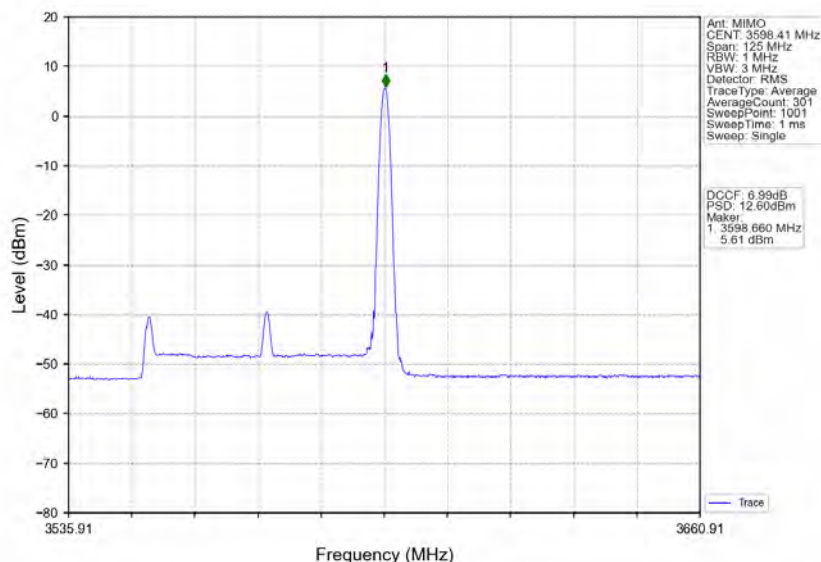
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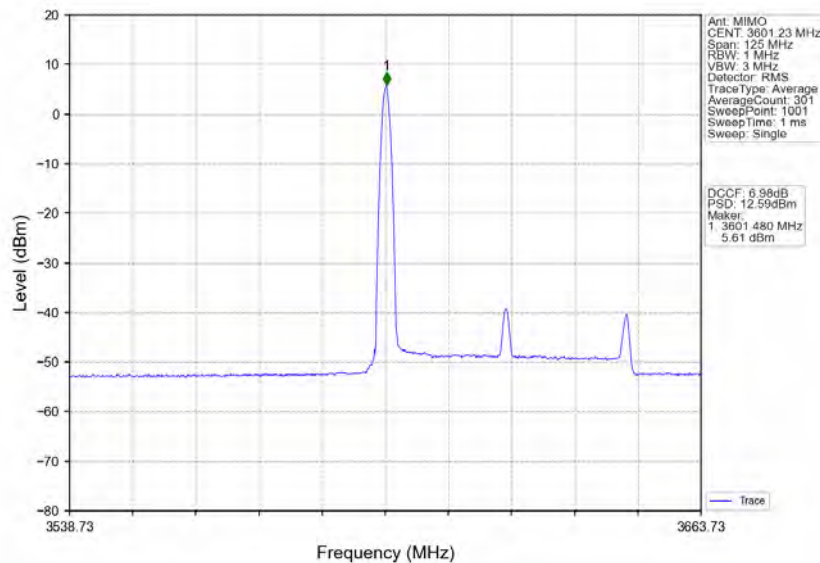
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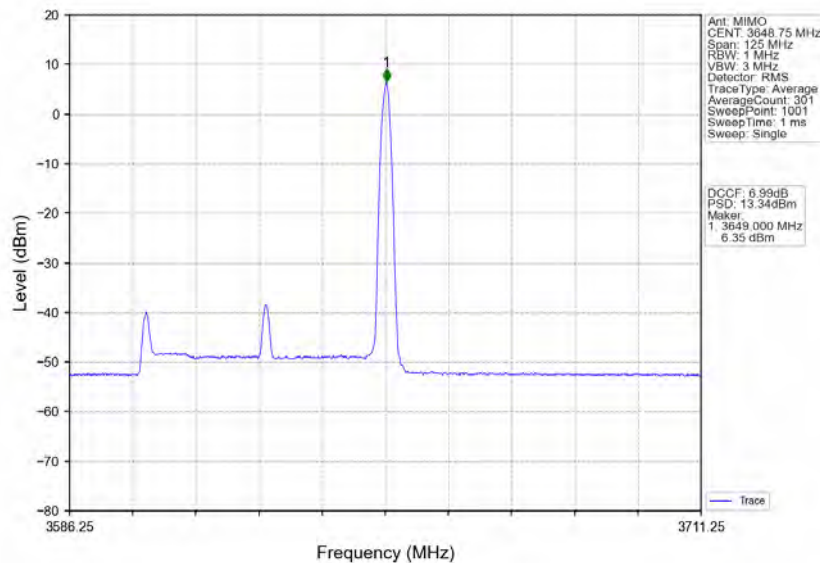
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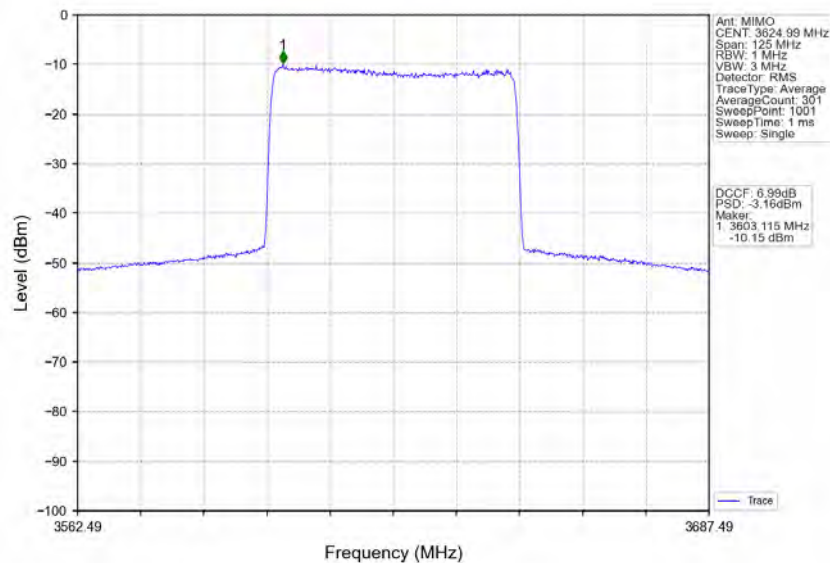
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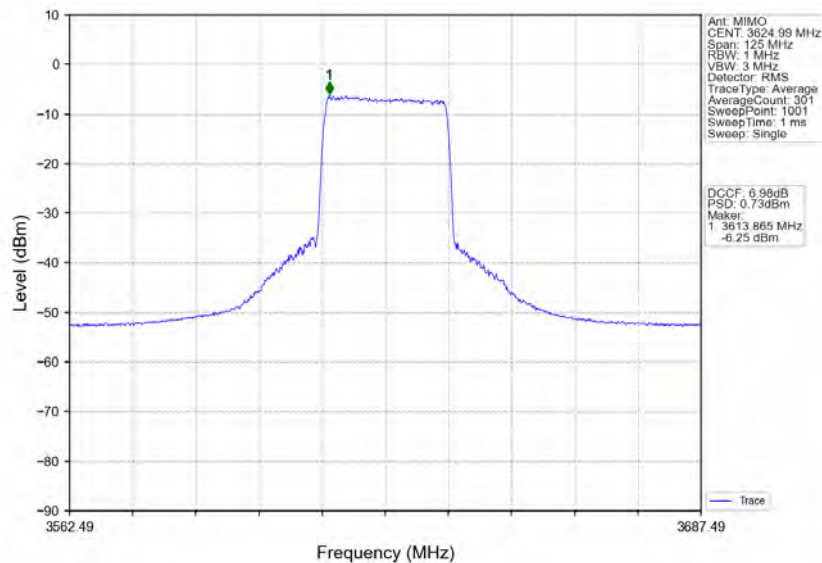
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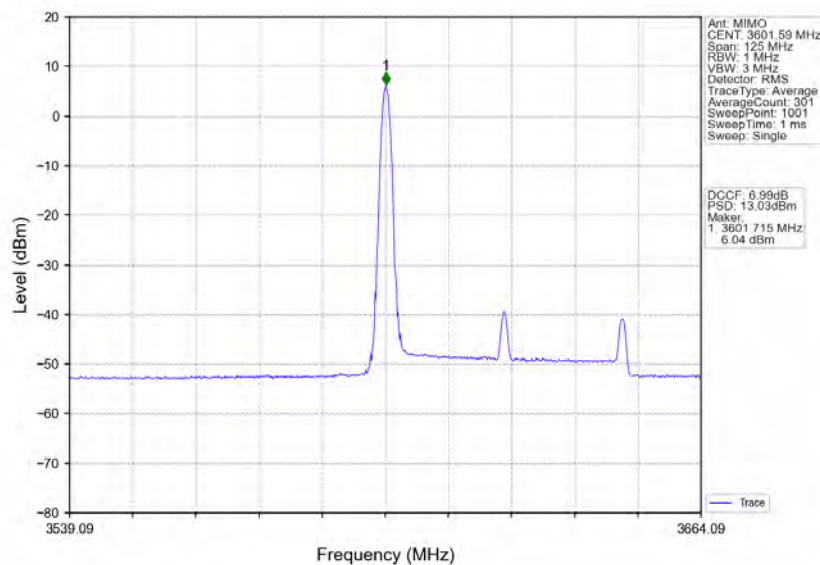
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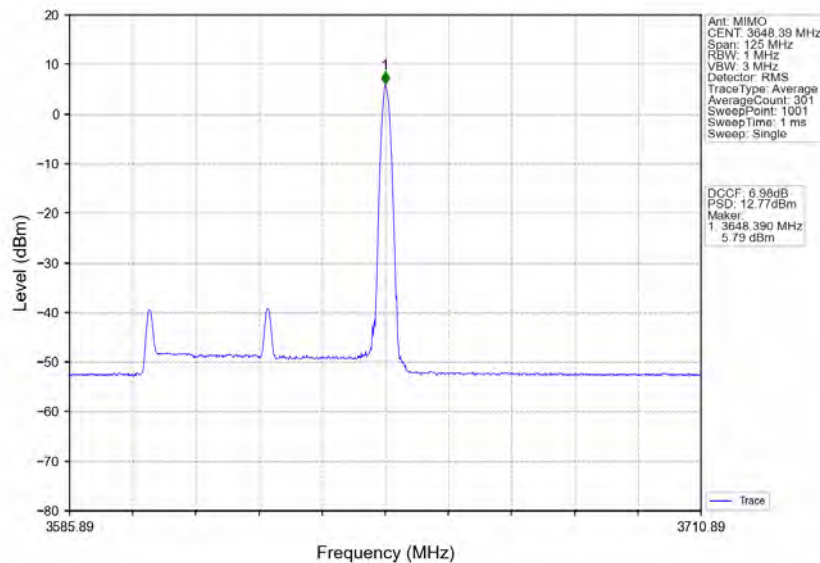
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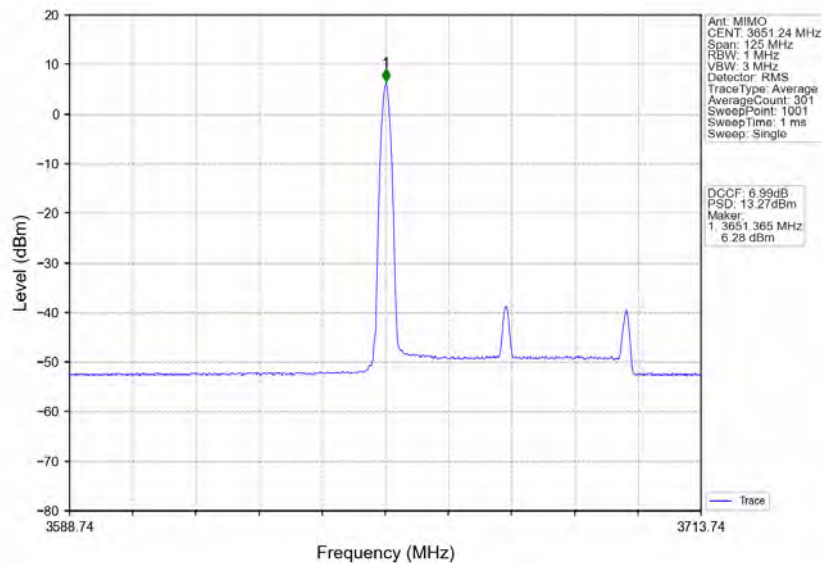
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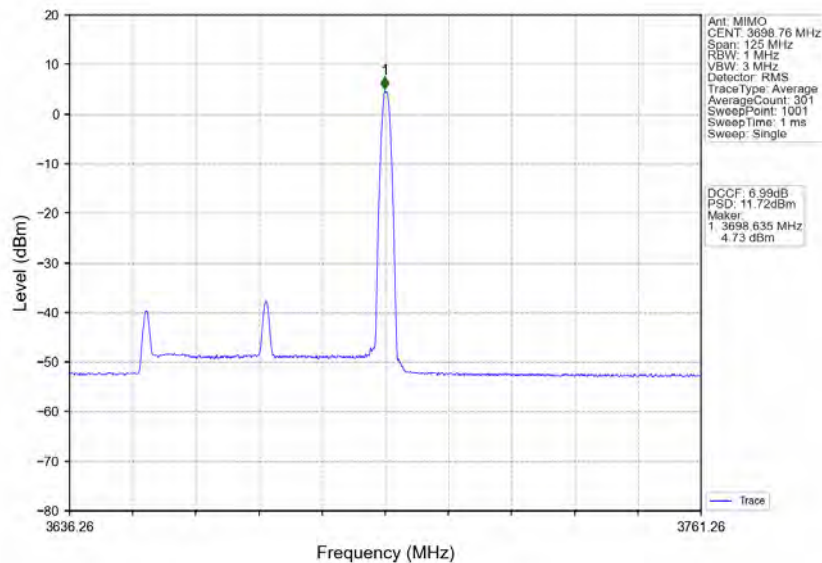
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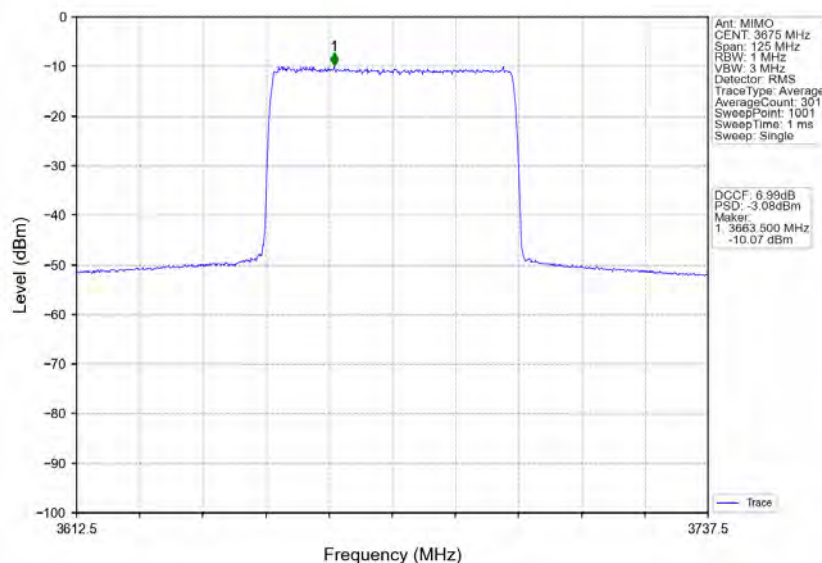
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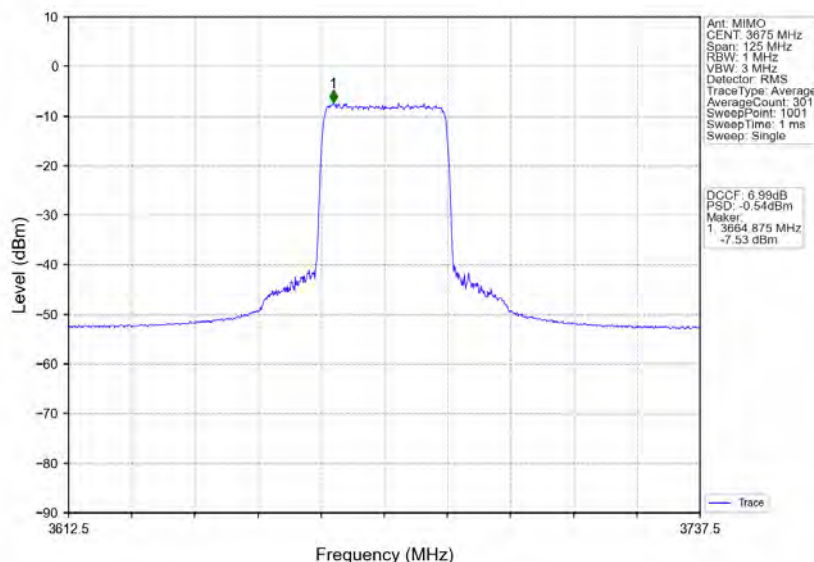
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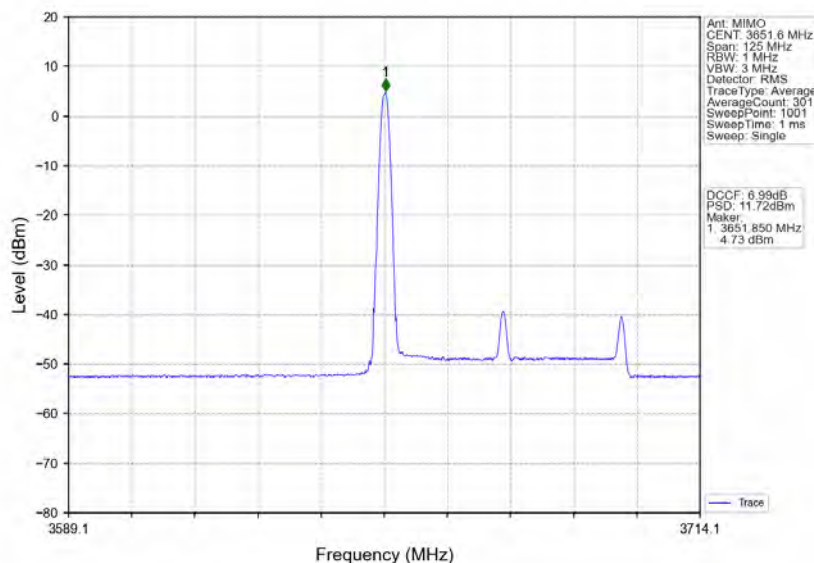
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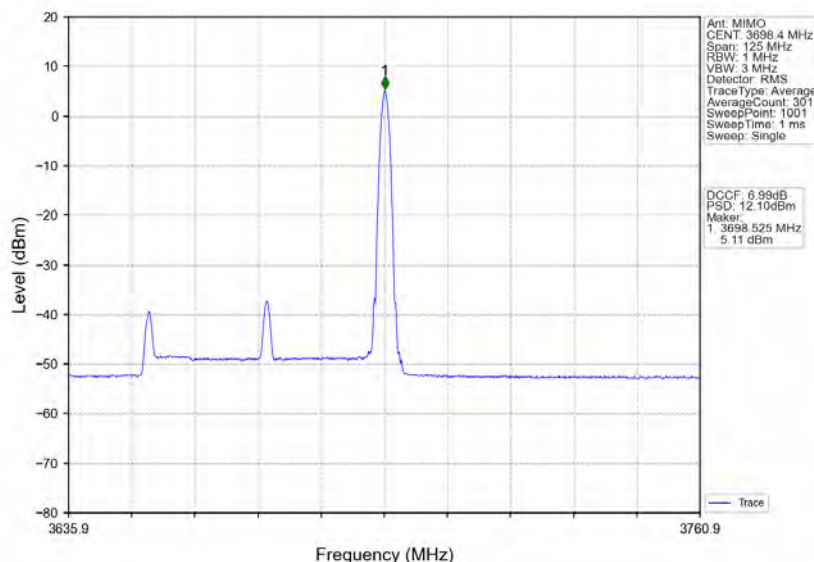
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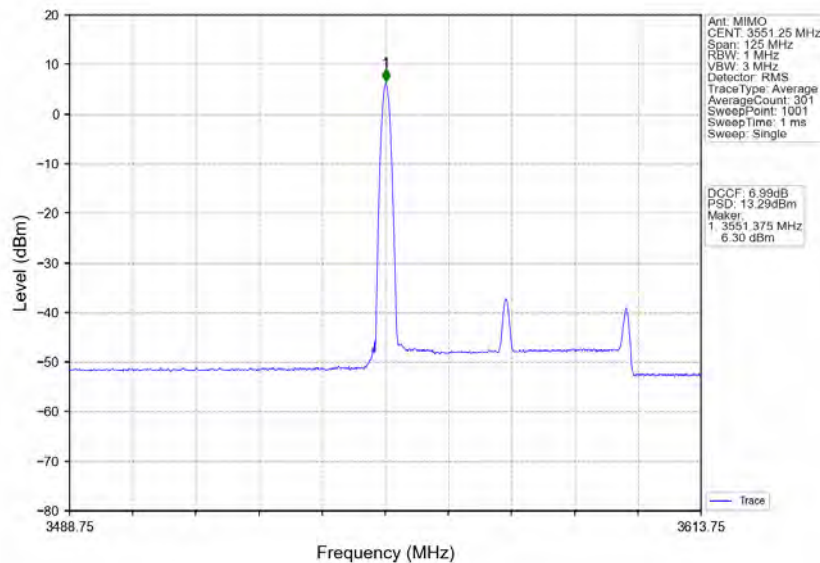
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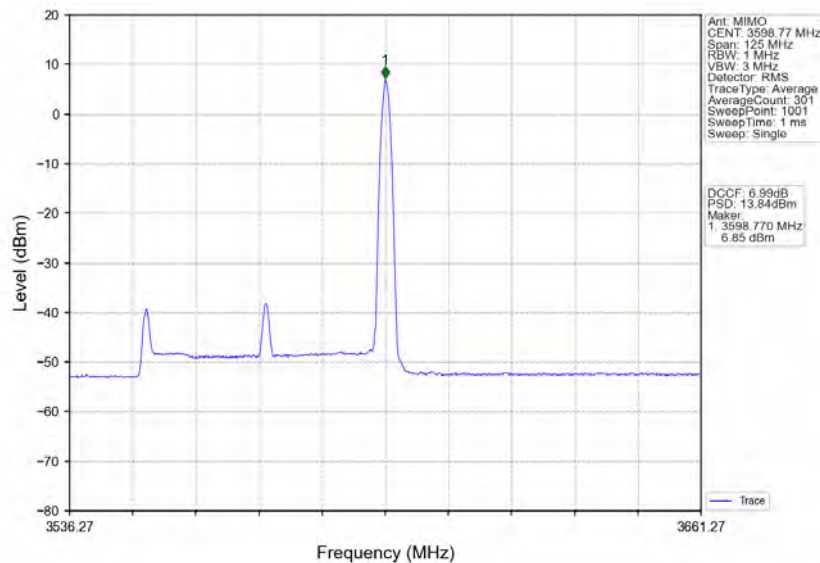
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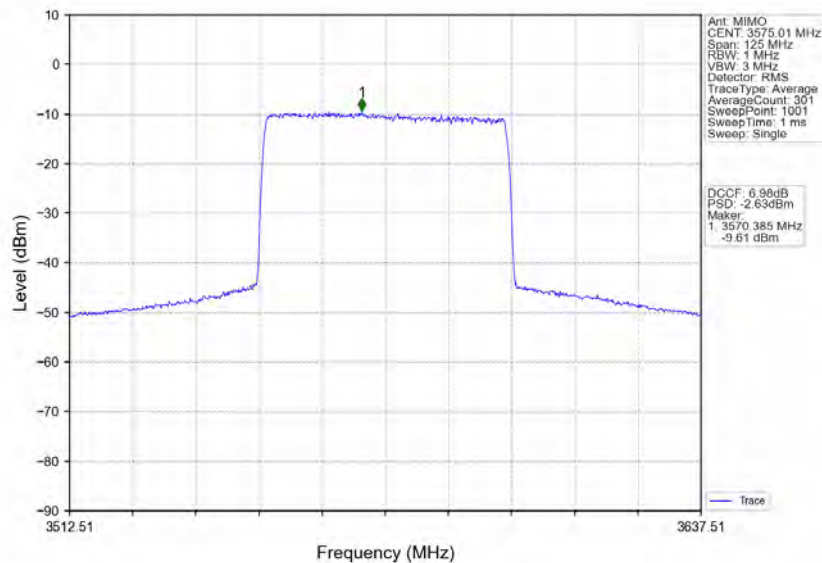
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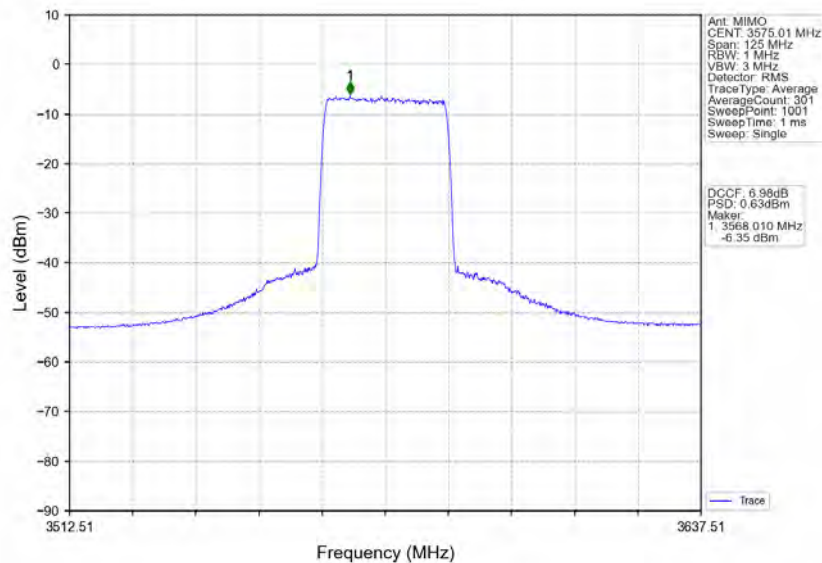
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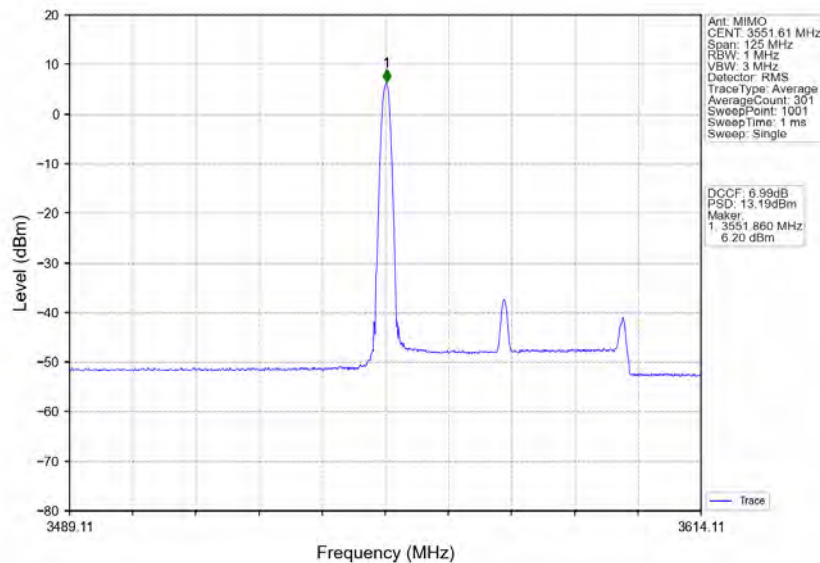
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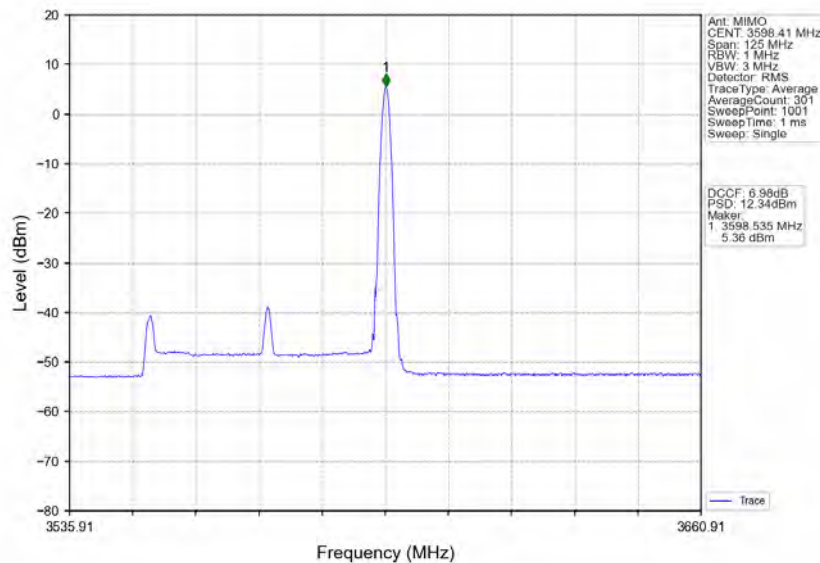
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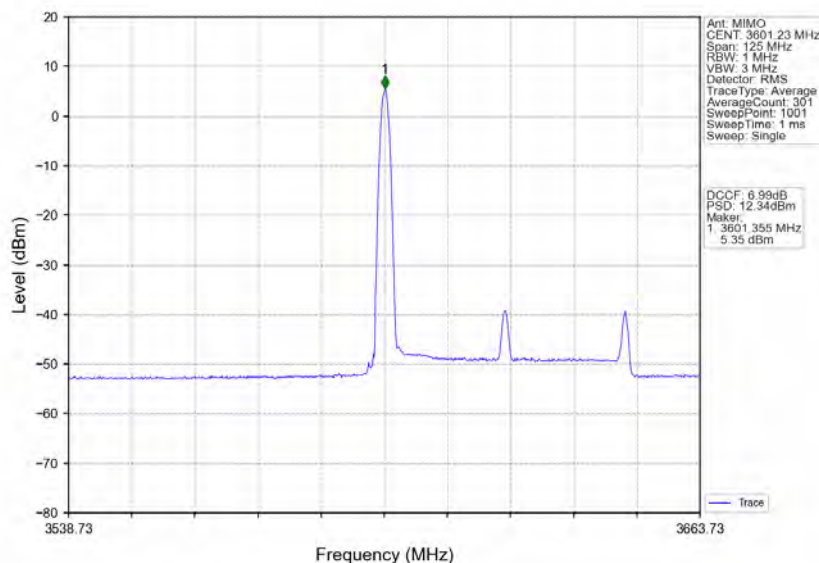
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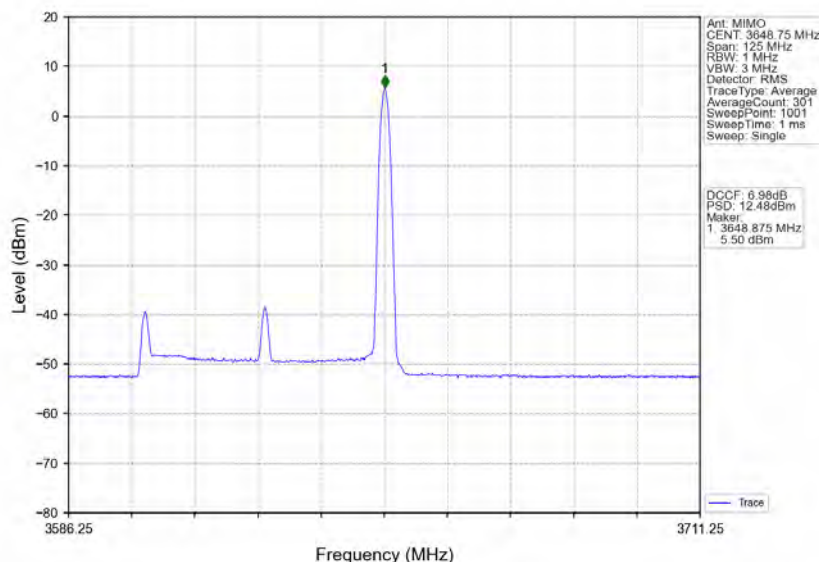
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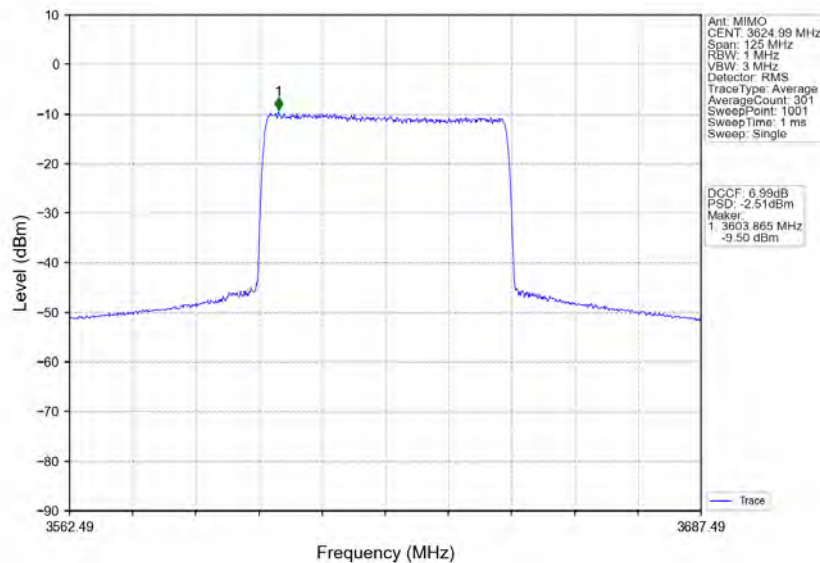
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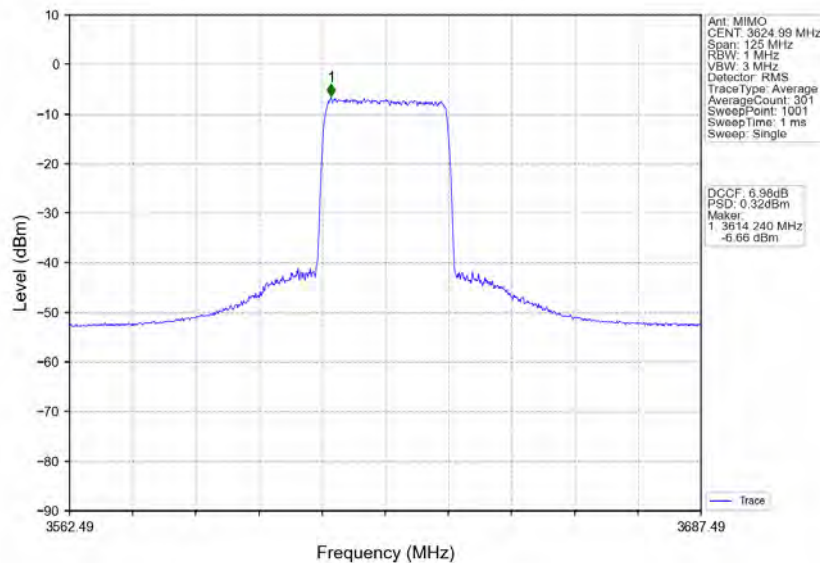
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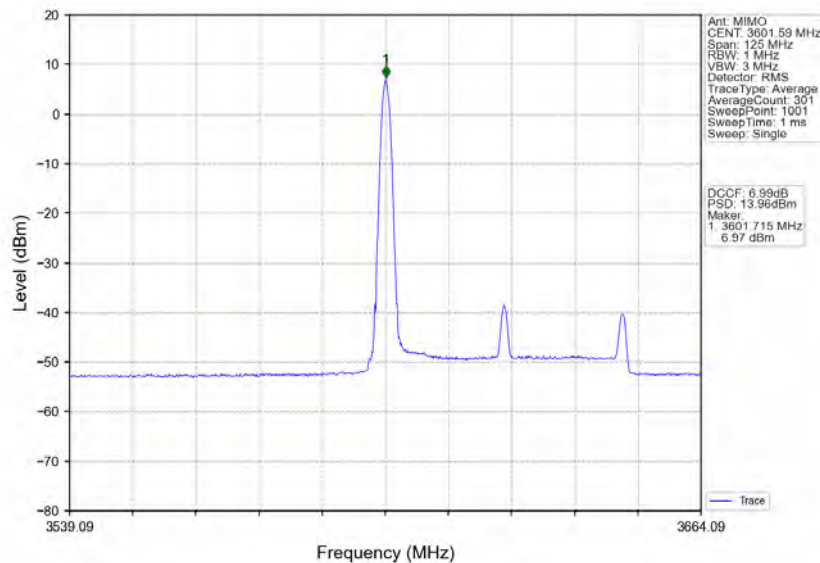
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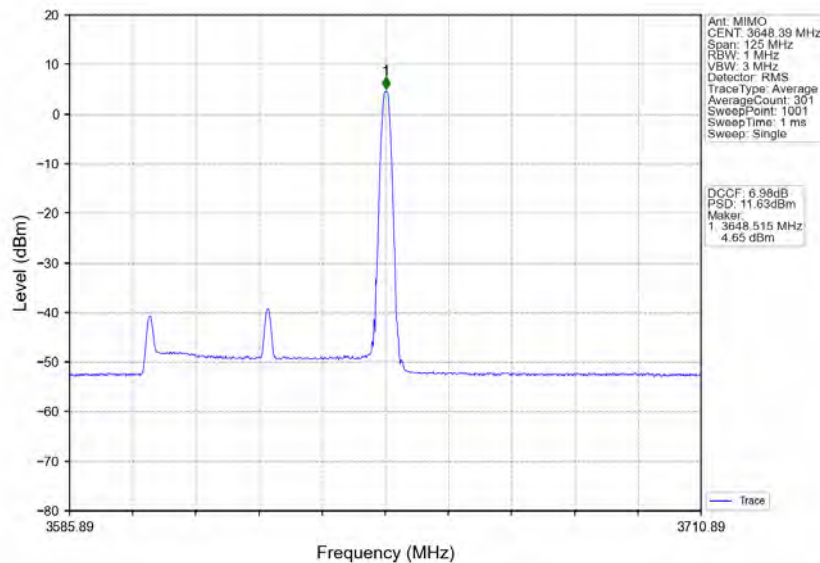
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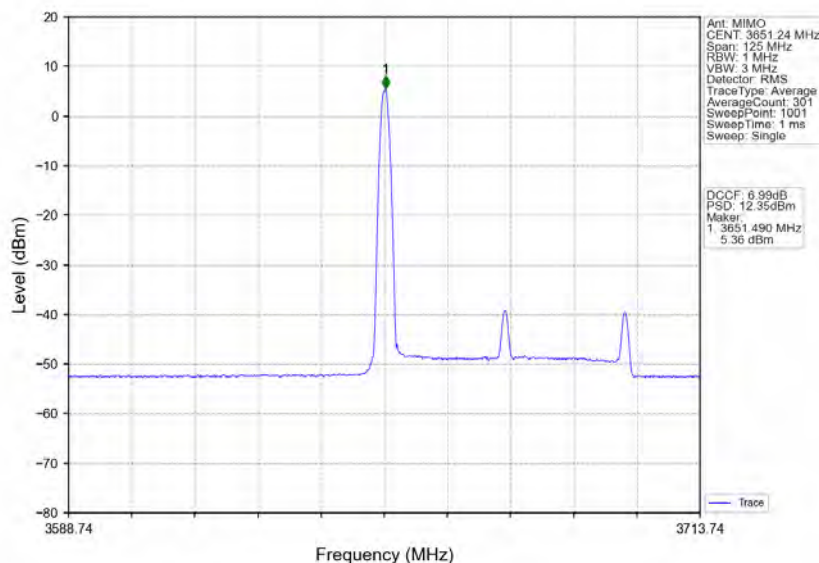
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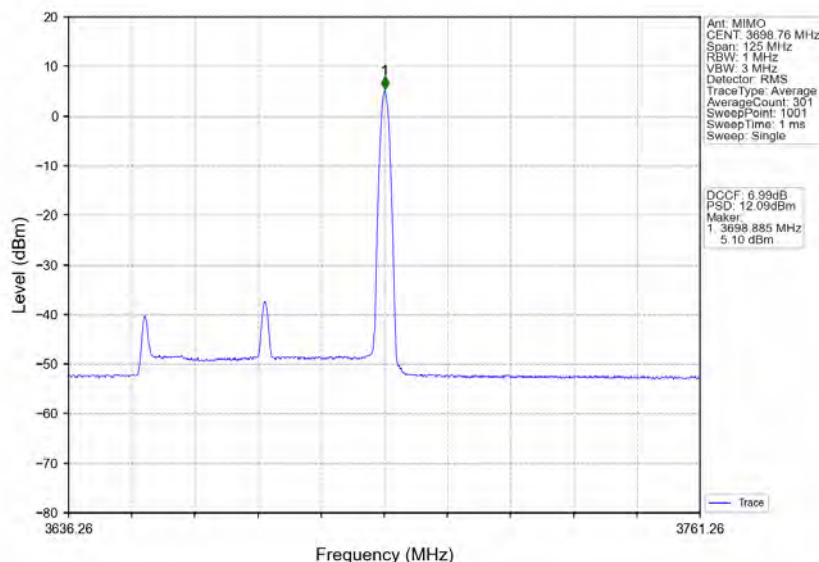
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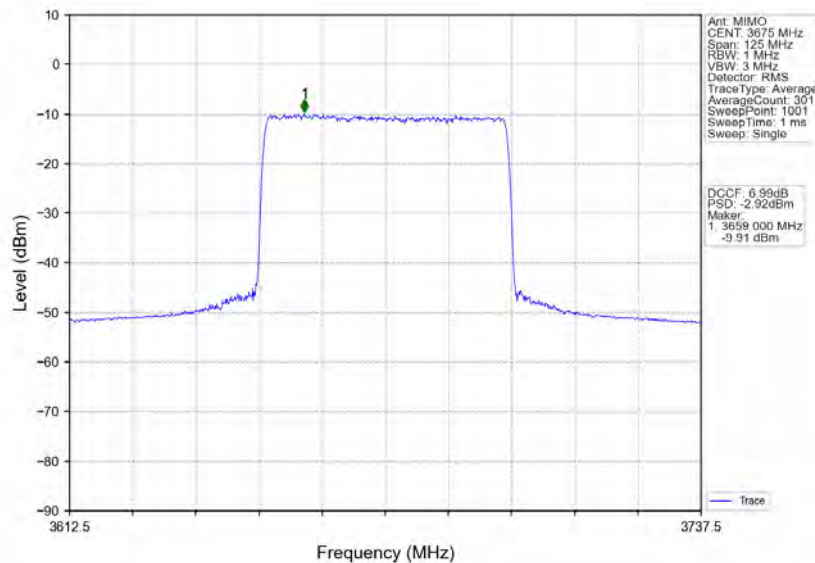
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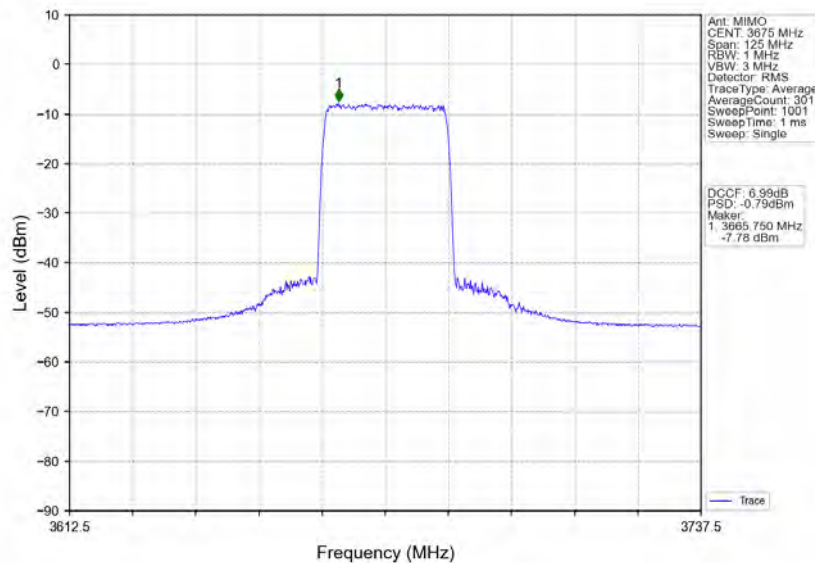
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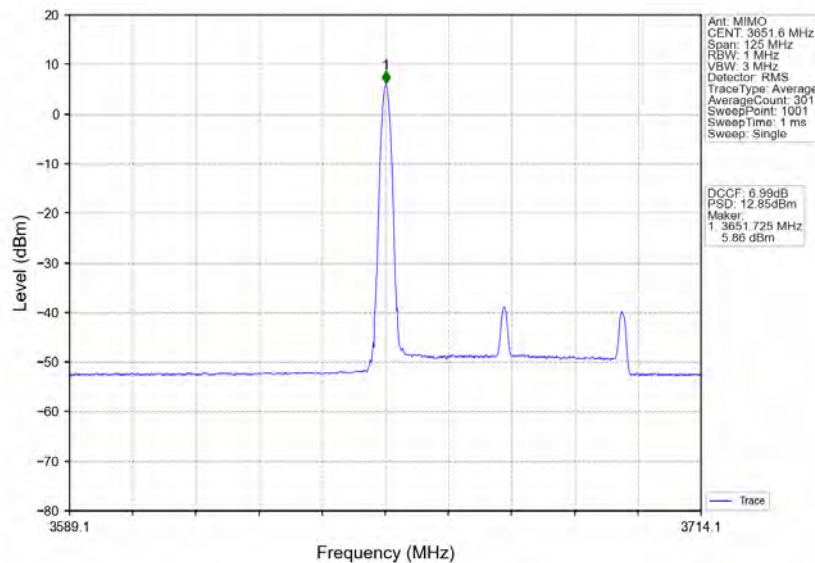
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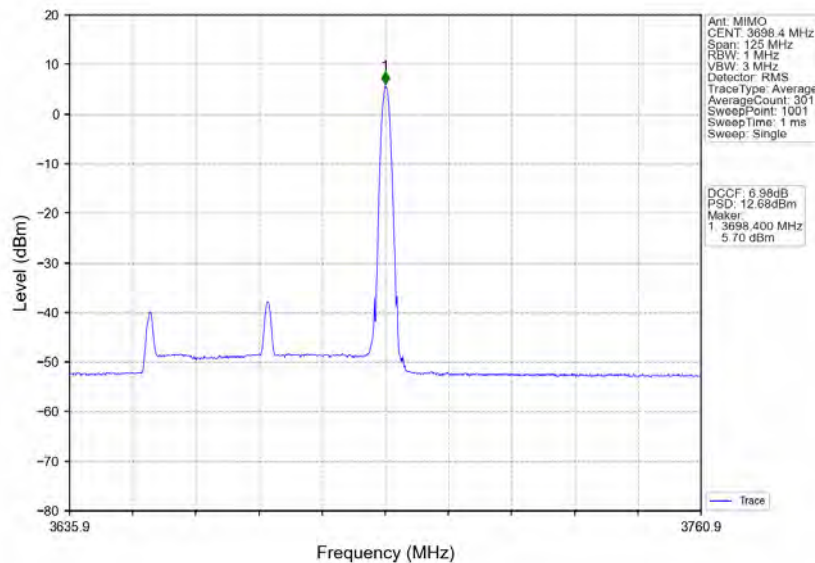
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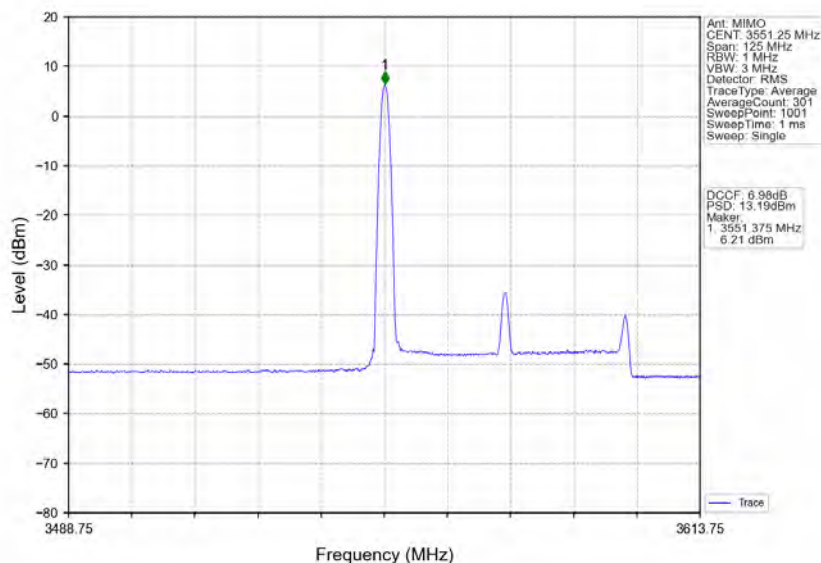
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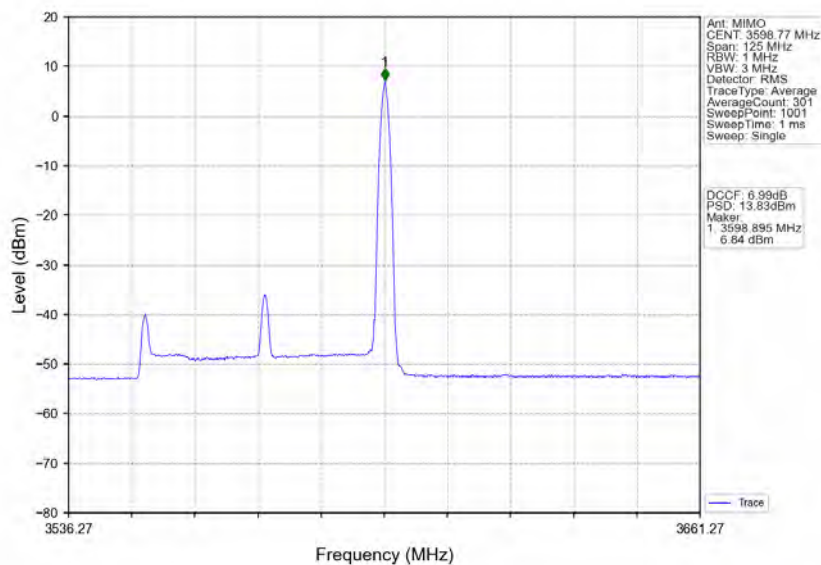
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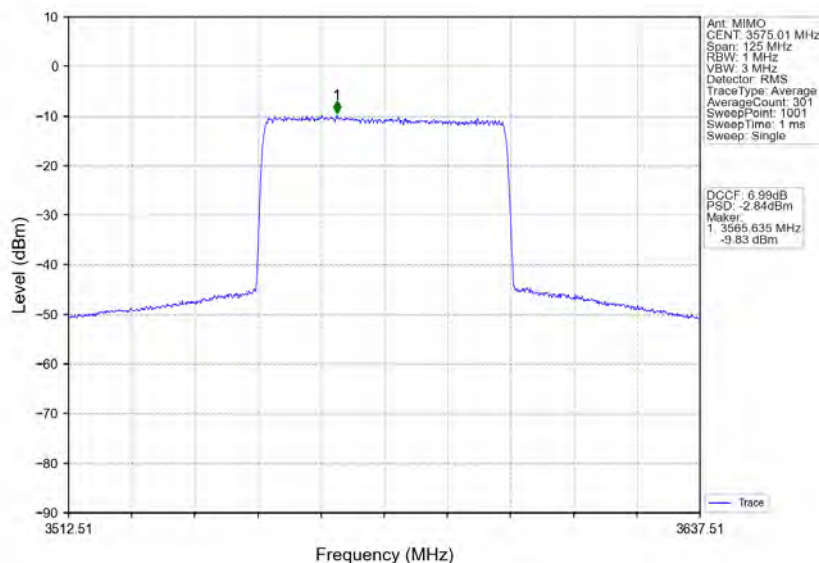
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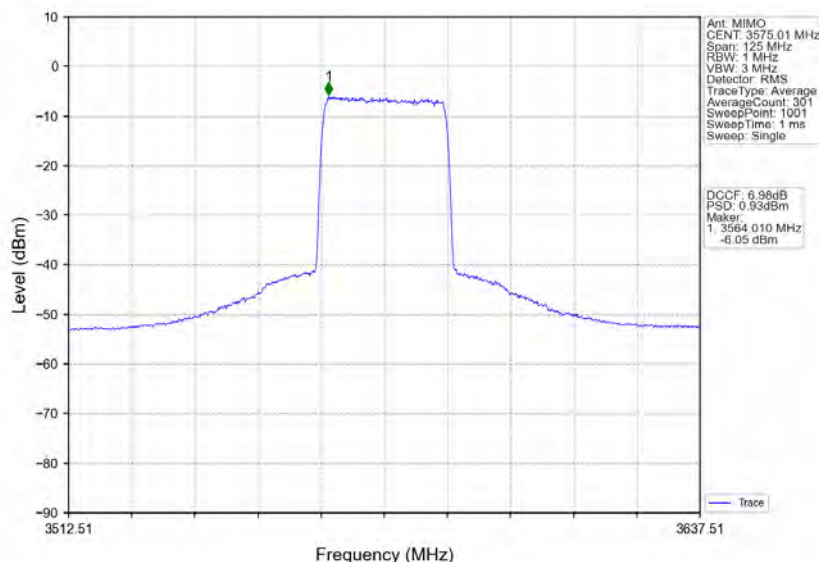
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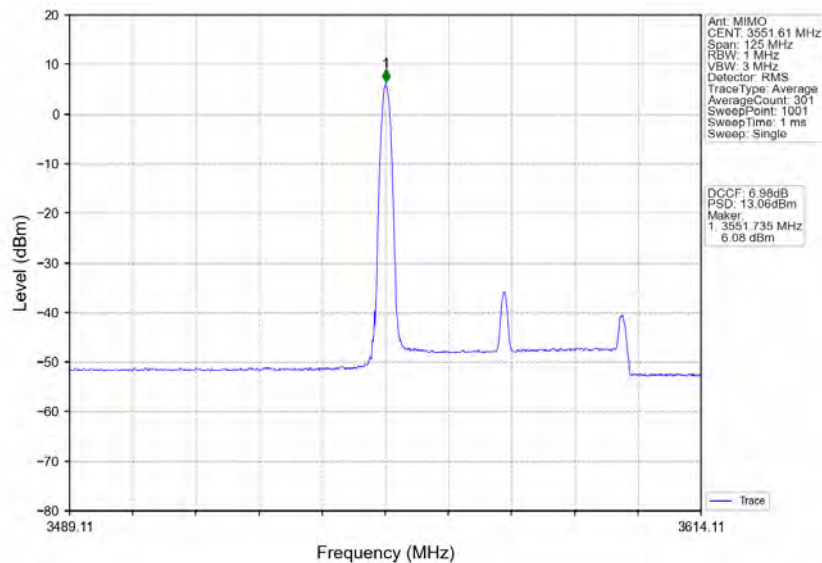
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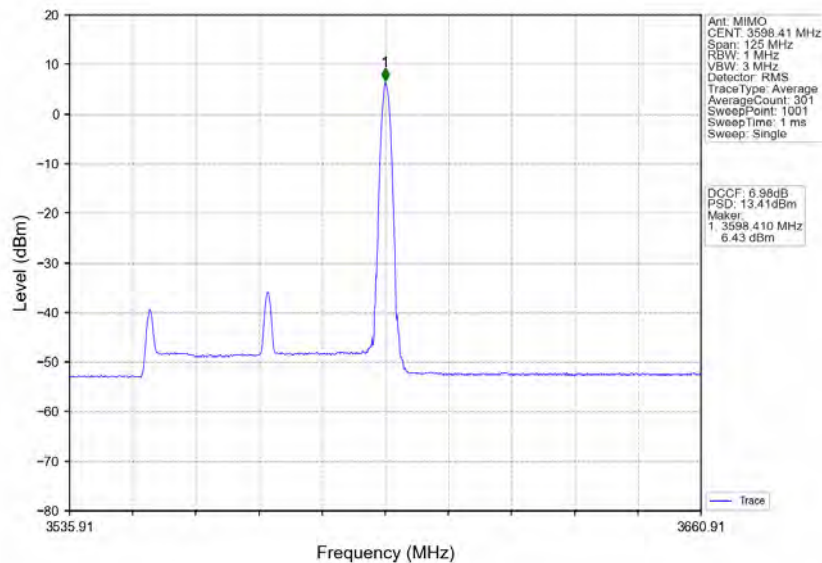
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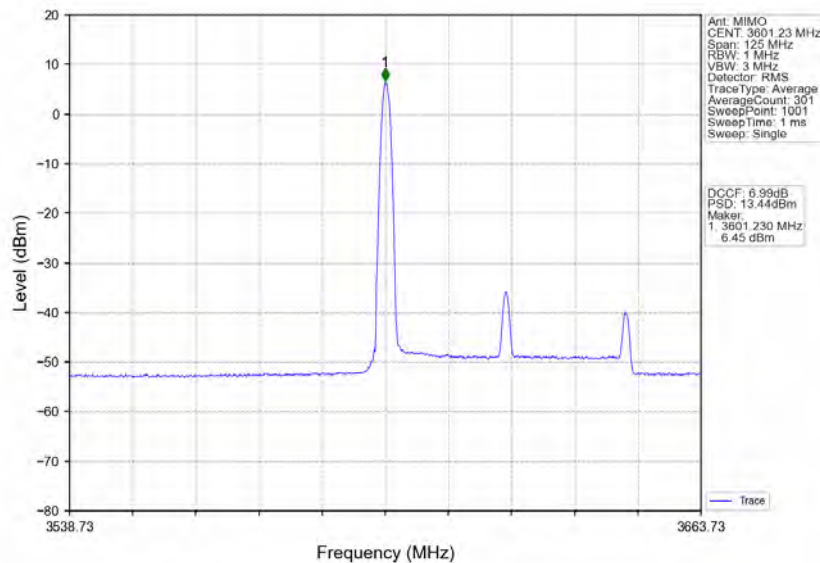
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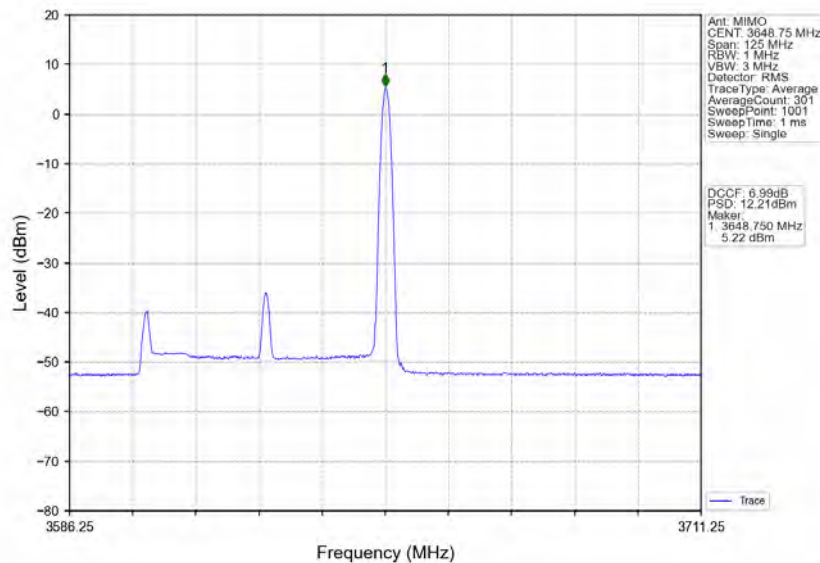
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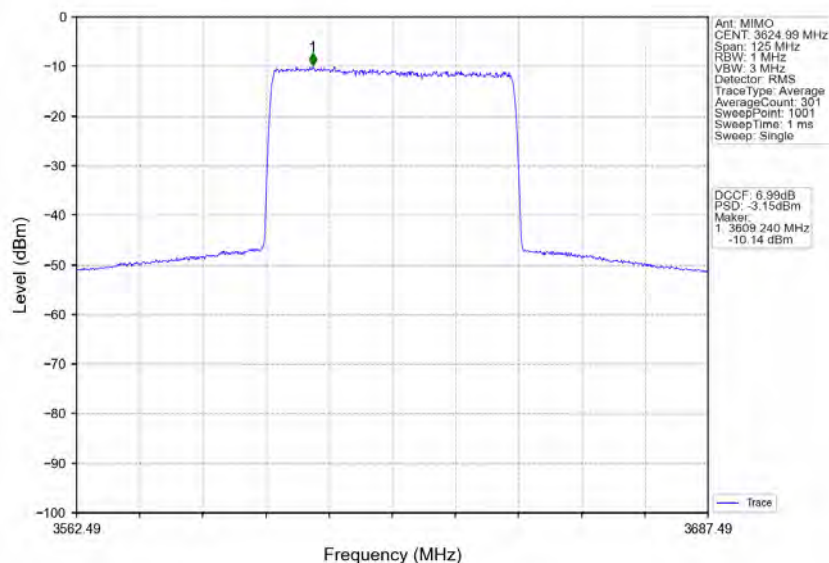
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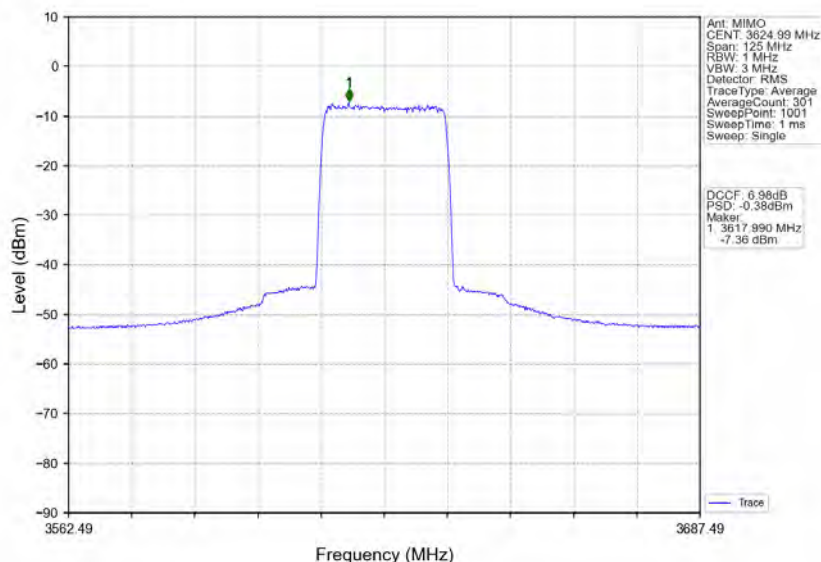
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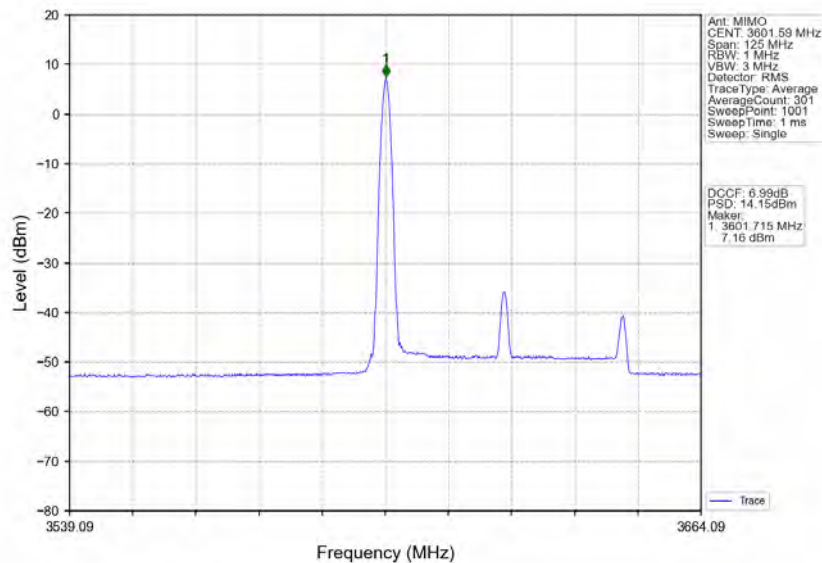
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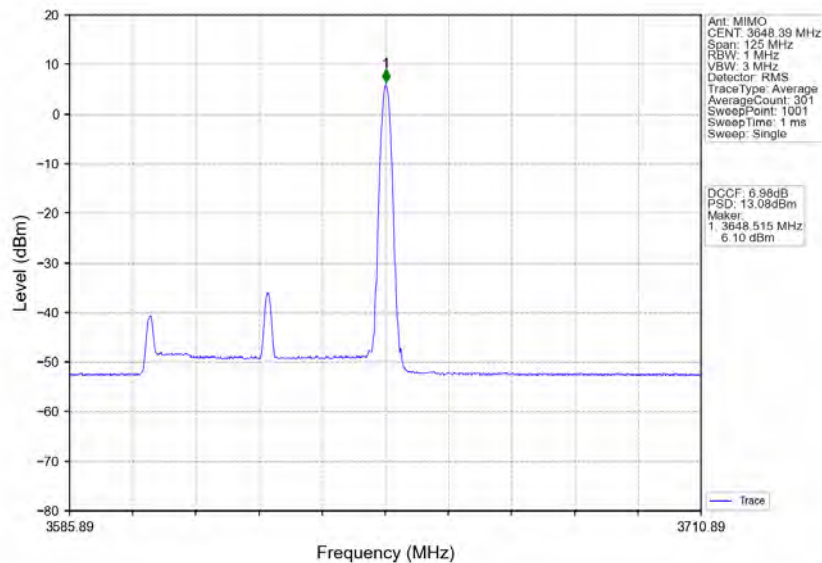
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n78d_30kHz_MIMO_NTNV_50MHz_CP-OFDM_256_QAM_3624.99MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_50MHz_CP-OFDM_256_QAM_3624.99MHz_Inner_1RB_Right



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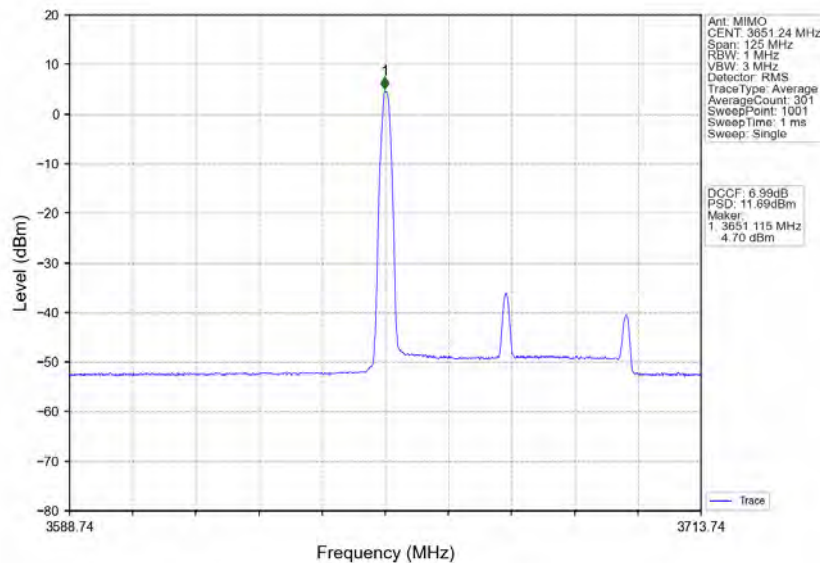
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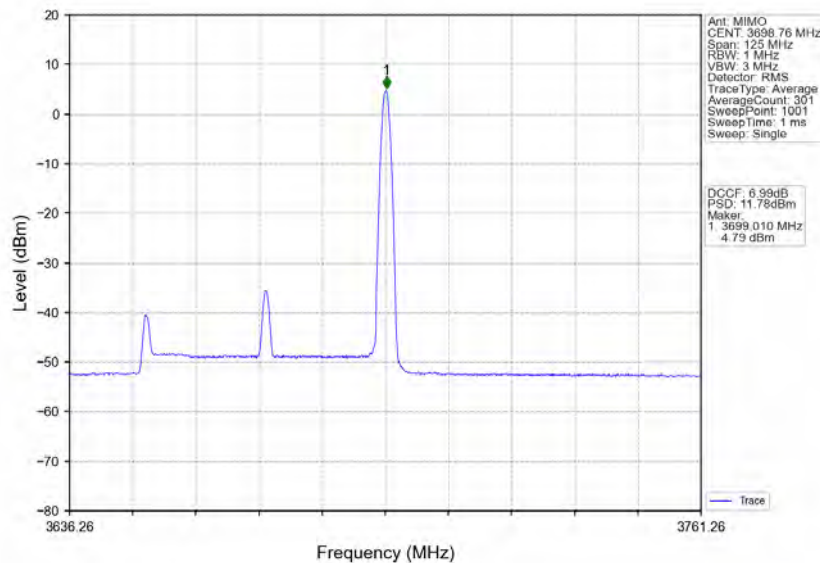
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n78d_30kHz_MIMO_NTNV_50MHz_CP-OFDM_256_QAM_3675MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_50MHz_CP-OFDM_256_QAM_3675MHz_Edge_1RB_Right



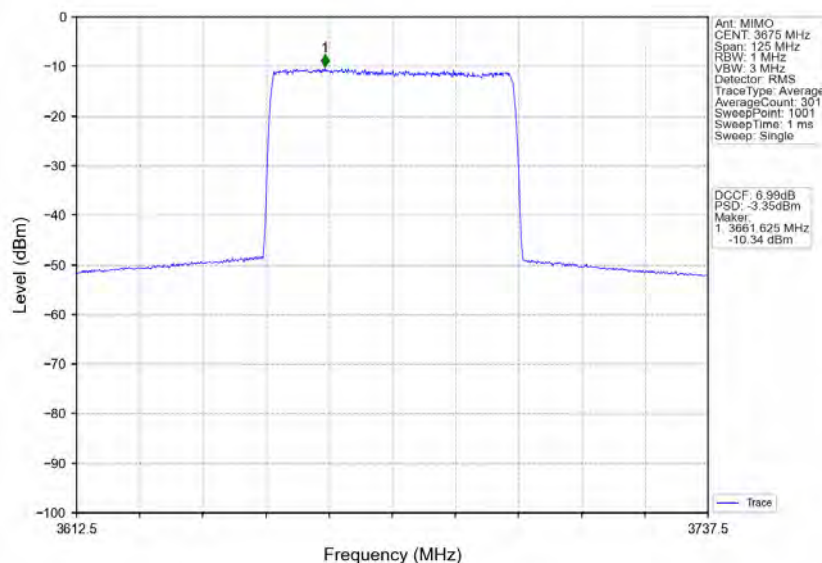
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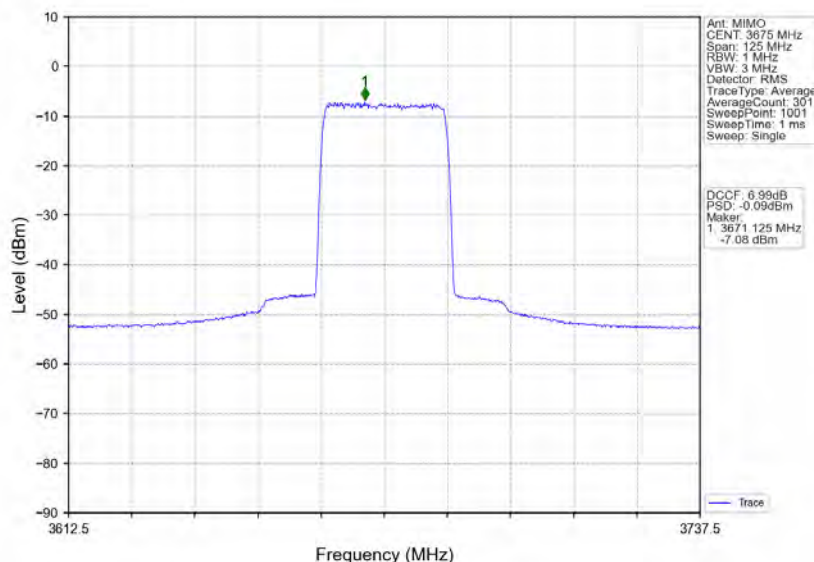
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n78d_30kHz_MIMO_NTNV_50MHz_CP-OFDM_256_QAM_3675MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_50MHz_CP-OFDM_256_QAM_3675MHz_Inner_Full



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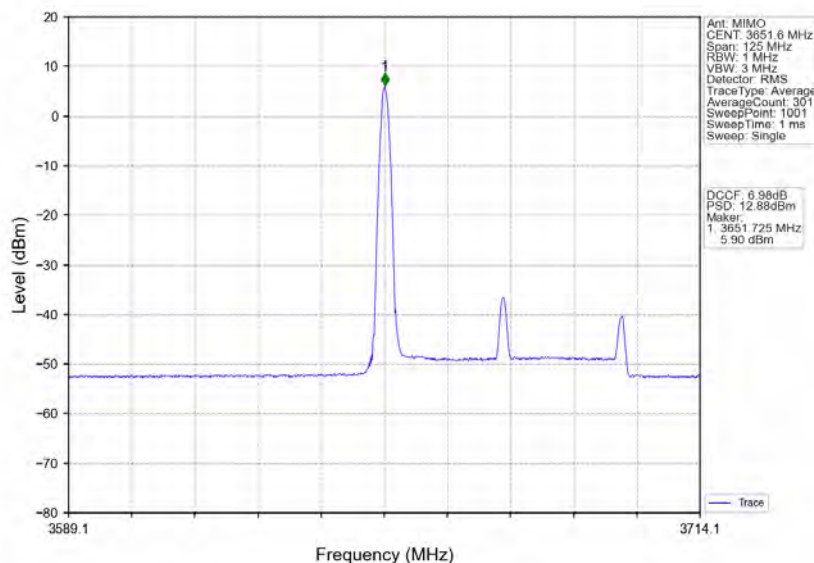
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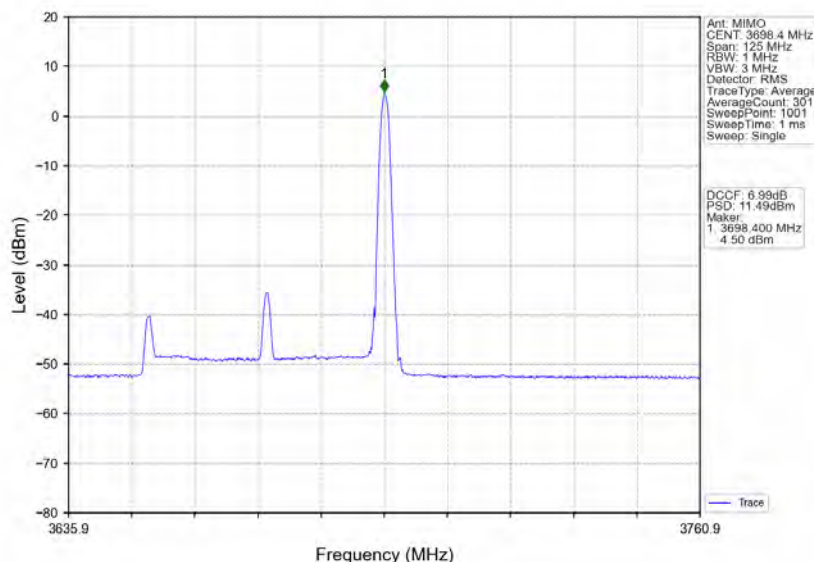
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n78d_30kHz_MIMO_NTNV_50MHz_CP-OFDM_256_QAM_3675MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_50MHz_CP-OFDM_256_QAM_3675MHz_Inner_1RB_Right



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2.19 30k_MIMO_60MHz_NTNV_EIRP

2.19.1 Test Result

5G NR n78d SCS=30kHz MIMO 60MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3580.02	Edge 1RB Left	10.31	10.33	13.33	15.21	16.13	18.70	-	Pass
		Edge 1RB Right	10.40	10.61	13.52	15.30	16.41	18.90	-	Pass
		Outer Full	10.37	10.40	13.40	15.27	16.20	18.77	-	Pass
		Inner Full	10.39	10.35	13.38	15.29	16.15	18.75	-	Pass
		Inner 1RB Left	10.23	10.30	13.27	15.13	16.10	18.65	-	Pass
		Inner 1RB Right	10.43	10.71	13.58	15.33	16.51	18.97	-	Pass
	3624.99	Edge 1RB Left	10.44	10.40	13.43	15.34	16.20	18.80	-	Pass
		Edge 1RB Right	10.02	10.60	13.33	14.92	16.40	18.73	-	Pass
		Outer Full	10.41	10.76	13.60	15.31	16.56	18.99	-	Pass
		Inner Full	10.38	10.74	13.57	15.28	16.54	18.97	-	Pass
		Inner 1RB Left	10.51	10.53	13.53	15.41	16.33	18.90	-	Pass
		Inner 1RB Right	10.13	10.72	13.45	15.03	16.52	18.85	-	Pass
	3669.99	Edge 1RB Left	10.29	10.80	13.56	15.19	16.60	18.96	-	Pass
		Edge 1RB Right	10.32	10.63	13.49	15.22	16.43	18.88	-	Pass
		Outer Full	10.25	10.64	13.46	15.15	16.44	18.85	-	Pass
		Inner Full	10.22	10.62	13.44	15.12	16.42	18.83	-	Pass
		Inner 1RB Left	10.22	10.80	13.53	15.12	16.60	18.93	-	Pass
		Inner 1RB Right	10.37	10.67	13.53	15.27	16.47	18.92	-	Pass
CP-OFDM 16 QAM	3580.02	Edge 1RB Left	10.07	10.26	13.18	14.97	16.06	18.56	-	Pass
		Edge 1RB Right	10.07	10.62	13.36	14.97	16.42	18.77	-	Pass
		Outer Full	10.32	10.46	13.40	15.22	16.26	18.78	-	Pass
		Inner Full	10.41	10.41	13.42	15.31	16.21	18.79	-	Pass
		Inner 1RB Left	10.06	10.47	13.28	14.96	16.27	18.67	-	Pass
		Inner 1RB Right	10.15	10.61	13.39	15.05	16.41	18.79	-	Pass
	3624.99	Edge 1RB Left	10.26	10.57	13.42	15.16	16.37	18.82	-	Pass
		Edge 1RB Right	9.86	10.68	13.30	14.76	16.48	18.71	-	Pass
		Outer Full	10.41	10.77	13.61	15.31	16.57	19.00	-	Pass
		Inner Full	10.49	10.81	13.66	15.39	16.61	19.05	-	Pass
		Inner 1RB Left	10.28	10.57	13.44	15.18	16.37	18.83	-	Pass
		Inner 1RB Right	9.88	10.67	13.30	14.78	16.47	18.72	-	Pass
	3669.99	Edge 1RB Left	9.97	10.73	13.37	14.87	16.53	18.79	-	Pass
		Edge 1RB Right	10.18	10.68	13.45	15.08	16.48	18.85	-	Pass
		Outer Full	10.18	10.67	13.44	15.08	16.47	18.84	-	Pass
		Inner Full	10.28	10.65	13.48	15.18	16.45	18.87	-	Pass
		Inner 1RB Left	10.06	10.65	13.37	14.96	16.45	18.78	-	Pass
		Inner 1RB Right	10.16	10.69	13.44	15.06	16.49	18.84	-	Pass
CP-OFDM 64 QAM	3580.02	Edge 1RB Left	10.25	10.48	13.38	15.15	16.28	18.76	-	Pass
		Edge 1RB Right	10.26	10.81	13.55	15.16	16.61	18.96	-	Pass
		Outer Full	10.35	10.40	13.38	15.25	16.20	18.76	-	Pass
		Inner Full	10.33	10.43	13.39	15.23	16.23	18.77	-	Pass
		Inner 1RB Left	10.25	10.58	13.43	15.15	16.38	18.82	-	Pass
		Inner 1RB Right	10.27	10.83	13.57	15.17	16.63	18.97	-	Pass
	3624.99	Edge 1RB Left	10.43	10.63	13.54	15.33	16.43	18.93	-	Pass
		Edge 1RB Right	10.03	10.82	13.45	14.93	16.62	18.87	-	Pass



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CP-OFDM 256 QAM		Outer_Full	10.42	10.76	13.61	15.32	16.56	18.99	-	Pass
		Inner_Full	10.46	10.81	13.65	15.36	16.61	19.04	-	Pass
		Inner_1RB_Left	10.45	10.69	13.58	15.35	16.49	18.97	-	Pass
		Inner_1RB_Right	10.05	10.88	13.49	14.95	16.68	18.91	-	Pass
	3669.99	Edge_1RB_Left	10.19	10.60	13.41	15.09	16.40	18.80	-	Pass
		Edge_1RB_Right	10.38	10.91	13.67	15.28	16.71	19.06	-	Pass
		Outer_Full	10.22	10.70	13.48	15.12	16.50	18.87	-	Pass
		Inner_Full	10.22	10.64	13.45	15.12	16.44	18.84	-	Pass
		Inner_1RB_Left	10.25	10.93	13.61	15.15	16.73	19.02	-	Pass
		Inner_1RB_Right	10.38	11.01	13.72	15.28	16.81	19.12	-	Pass
	3580.02	Edge_1RB_Left	10.38	10.25	13.33	15.28	16.05	18.69	-	Pass
		Edge_1RB_Right	10.51	10.64	13.58	15.41	16.44	18.97	-	Pass
		Outer_Full	10.40	10.39	13.40	15.30	16.19	18.78	-	Pass
		Inner_Full	10.37	10.43	13.41	15.27	16.23	18.79	-	Pass
		Inner_1RB_Left	10.37	10.34	13.37	15.27	16.14	18.74	-	Pass
		Inner_1RB_Right	10.52	10.64	13.59	15.42	16.44	18.97	-	Pass
	3624.99	Edge_1RB_Left	10.73	10.56	13.65	15.63	16.36	19.02	-	Pass
		Edge_1RB_Right	10.32	10.64	13.49	15.22	16.44	18.88	-	Pass
		Outer_Full	10.53	10.81	13.68	15.43	16.61	19.07	-	Pass
		Inner_Full	10.57	10.86	13.73	15.47	16.66	19.12	-	Pass
		Inner_1RB_Left	10.67	10.40	13.55	15.57	16.20	18.91	-	Pass
		Inner_1RB_Right	10.24	10.66	13.47	15.14	16.46	18.86	-	Pass
	3669.99	Edge_1RB_Left	10.47	10.66	13.58	15.37	16.46	18.96	-	Pass
		Edge_1RB_Right	10.65	10.70	13.69	15.55	16.50	19.06	-	Pass
		Outer_Full	10.22	10.68	13.47	15.12	16.48	18.86	-	Pass
		Inner_Full	10.25	10.71	13.50	15.15	16.51	18.89	-	Pass
		Inner_1RB_Left	10.42	10.74	13.59	15.32	16.54	18.98	-	Pass
		Inner_1RB_Right	10.57	10.80	13.70	15.47	16.60	19.08	-	Pass

Note1: Antenna Gain: Ant1: 4.90dBi; Ant2: 5.80dBi;
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

2.20 30k_MIMO_60MHz_NTNV_EIRP/10MHz

2.20.1 Test Result

5G NR n78d SCS=30kHz MIMO 60MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3580.02	Edge_1RB_Left	9.59	9.83	12.72	14.49	15.63	18.11	<=30	Pass
		Edge_1RB_Right	9.25	9.89	12.59	14.15	15.69	18.00	<=30	Pass
		Outer_Full	1.93	1.52	4.74	6.83	7.32	10.09	<=30	Pass
		Inner_Full	4.82	4.44	7.64	9.72	10.24	13.00	<=30	Pass
		Inner_1RB_Left	9.66	9.71	12.70	14.56	15.51	18.07	<=30	Pass
		Inner_1RB_Right	9.39	9.94	12.68	14.29	15.74	18.09	<=30	Pass
	3624.99	Edge_1RB_Left	9.33	10.60	13.02	14.23	16.40	18.46	<=30	Pass
		Edge_1RB_Right	8.22	10.00	12.21	13.12	15.80	17.67	<=30	Pass
		Outer_Full	2.67	2.07	5.39	7.57	7.87	10.73	<=30	Pass
		Inner_Full	4.63	4.31	7.48	9.53	10.11	12.84	<=30	Pass
		Inner_1RB_Left	9.19	10.65	12.99	14.09	16.45	18.44	<=30	Pass
		Inner_1RB_Right	9.19	10.01	12.63	14.09	15.81	18.04	<=30	Pass
	3669.99	Edge_1RB_Left	8.11	9.46	11.85	13.01	15.26	17.29	<=30	Pass



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CP-OFDM 16 QAM	3580.02	Edge 1RB Right	9.02	10.33	12.73	13.92	16.13	18.17	<=30	Pass
		Outer Full	1.84	1.93	4.90	6.74	7.73	10.27	<=30	Pass
		Inner Full	4.72	4.96	7.85	9.62	10.76	13.24	<=30	Pass
		Inner 1RB Left	8.76	9.87	12.36	13.66	15.67	17.79	<=30	Pass
		Inner 1RB Right	9.45	9.14	12.31	14.35	14.94	17.67	<=30	Pass
	3624.99	Edge 1RB Left	9.00	10.03	12.56	13.90	15.83	17.98	<=30	Pass
		Edge 1RB Right	8.96	10.32	12.70	13.86	16.12	18.15	<=30	Pass
		Outer Full	1.25	1.44	4.36	6.15	7.24	9.74	<=30	Pass
		Inner Full	4.98	4.99	8.00	9.88	10.79	13.37	<=30	Pass
		Inner 1RB Left	9.12	10.59	12.93	14.02	16.39	18.38	<=30	Pass
	3669.99	Edge 1RB Left	9.44	10.33	12.92	14.34	16.13	18.34	<=30	Pass
		Edge 1RB Right	9.48	9.96	12.74	14.38	15.76	18.13	<=30	Pass
		Outer Full	7.90	9.47	11.77	12.80	15.27	17.22	<=30	Pass
		Inner Full	1.40	2.01	4.73	6.30	7.81	10.13	<=30	Pass
		Inner 1RB Left	4.99	5.01	8.01	9.89	10.81	13.38	<=30	Pass
CP-OFDM 64 QAM	3580.02	Inner 1RB Right	8.79	9.68	12.27	13.69	15.48	17.69	<=30	Pass
		Inner 1RB Right	8.82	10.16	12.55	13.72	15.96	17.99	<=30	Pass
	3624.99	Edge 1RB Left	8.61	9.92	12.32	13.51	15.72	17.76	<=30	Pass
		Edge 1RB Right	9.53	11.03	13.35	14.43	16.83	18.80	<=30	Pass
		Outer Full	1.32	1.81	4.58	6.22	7.61	9.98	<=30	Pass
	3669.99	Inner Full	4.27	5.38	7.87	9.17	11.18	13.30	<=30	Pass
		Inner 1RB Left	9.06	10.18	12.67	13.96	15.98	18.10	<=30	Pass
		Inner 1RB Right	9.18	9.56	12.38	14.08	15.36	17.78	<=30	Pass
	3580.02	Edge 1RB Left	9.55	9.81	12.69	14.45	15.61	18.08	<=30	Pass
		Edge 1RB Right	9.49	10.00	12.76	14.39	15.80	18.16	<=30	Pass
		Outer Full	2.15	1.63	4.91	7.05	7.43	10.25	<=30	Pass
		Inner Full	5.16	4.98	8.08	10.06	10.78	13.45	<=30	Pass
		Inner 1RB Left	9.16	9.64	12.42	14.06	15.44	17.81	<=30	Pass
	3624.99	Inner 1RB Right	9.46	10.28	12.90	14.36	16.08	18.31	<=30	Pass
		Edge 1RB Left	9.42	9.62	12.53	14.32	15.42	17.92	<=30	Pass
		Edge 1RB Right	8.95	9.28	12.13	13.85	15.08	17.52	<=30	Pass
		Outer Full	1.83	1.62	4.74	6.73	7.42	10.10	<=30	Pass
		Inner Full	4.33	5.36	7.89	9.23	11.16	13.31	<=30	Pass
	3669.99	Inner 1RB Left	8.70	10.49	12.70	13.60	16.29	18.16	<=30	Pass
		Inner 1RB Right	8.89	9.73	12.34	13.79	15.53	17.76	<=30	Pass
		Edge 1RB Left	9.40	9.00	12.21	14.30	14.80	17.57	<=30	Pass
		Edge 1RB Right	9.21	10.57	12.95	14.11	16.37	18.40	<=30	Pass
		Outer Full	1.38	1.53	4.47	6.28	7.33	9.85	<=30	Pass
CP-OFDM 256 QAM	3580.02	Inner Full	4.34	4.78	7.58	9.24	10.58	12.97	<=30	Pass
		Inner 1RB Left	8.73	10.12	12.49	13.63	15.92	17.93	<=30	Pass
		Inner 1RB Right	8.73	9.88	12.35	13.63	15.68	17.79	<=30	Pass
	3624.99	Edge 1RB Left	9.59	9.86	12.74	14.49	15.66	18.12	<=30	Pass
		Edge 1RB Right	8.87	9.73	12.33	13.77	15.53	17.75	<=30	Pass
		Outer Full	1.69	1.93	4.82	6.59	7.73	10.21	<=30	Pass
		Inner Full	4.85	5.64	8.27	9.75	11.44	13.69	<=30	Pass
		Inner 1RB Left	9.22	9.89	12.58	14.12	15.69	17.99	<=30	Pass
	3669.99	Inner 1RB Right	9.47	9.28	12.39	14.37	15.08	17.75	<=30	Pass
		Edge 1RB Left	8.94	9.91	12.46	13.84	15.71	17.89	<=30	Pass
		Edge 1RB Right	9.69	10.00	12.86	14.59	15.80	18.25	<=30	Pass
		Outer Full	1.77	1.92	4.86	6.67	7.72	10.24	<=30	Pass
		Inner Full	5.01	4.91	7.97	9.91	10.71	13.34	<=30	Pass
	3624.99	Inner 1RB Left	9.43	10.39	12.95	14.33	16.19	18.37	<=30	Pass
		Inner 1RB Right	8.56	10.26	12.50	13.46	16.06	17.96	<=30	Pass
		Edge 1RB Left	8.66	10.08	12.44	13.56	15.88	17.88	<=30	Pass

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	Edge_1RB_Right	9.43	9.74	12.60	14.33	15.54	17.99	<=30	Pass
	Outer_Full	1.17	2.37	4.82	6.07	8.17	10.26	<=30	Pass
	Inner_Full	4.62	4.98	7.81	9.52	10.78	13.21	<=30	Pass
	Inner_1RB_Left	8.03	8.68	11.38	12.93	14.48	16.78	<=30	Pass
	Inner_1RB_Right	10.25	10.54	13.41	15.15	16.34	18.80	<=30	Pass

Note1: Antenna Gain: Ant1: 4.90dBi; Ant2: 5.80dBi;
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

2.21 30k_MIMO_60MHz_NTNV_PSD

2.21.1 Test Result

5G NR n78d SCS=30kHz MIMO 60MHz 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	3580.02	Edge_1RB_Left	9.59	9.83	13.54	14.49	15.63	19.34	<=20	Pass
		Edge_1RB_Right	9.25	9.89	13.29	14.15	15.69	19.09	<=20	Pass
		Outer_Full	1.93	1.52	-2.84	6.83	7.32	2.96	<=20	Pass
		Inner_Full	4.82	4.44	-1.33	9.72	10.24	4.47	<=20	Pass
		Inner_1RB_Left	9.66	9.71	12.66	14.56	15.51	18.46	<=20	Pass
		Inner_1RB_Right	9.39	9.94	12.72	14.29	15.74	18.52	<=20	Pass
	3624.99	Edge_1RB_Left	9.33	10.60	12.08	14.23	16.40	17.88	<=20	Pass
		Edge_1RB_Right	8.22	10.00	12.48	13.12	15.80	18.28	<=20	Pass
		Outer_Full	2.67	2.07	-3.47	7.57	7.87	2.33	<=20	Pass
		Inner_Full	4.63	4.31	-1.78	9.53	10.11	4.02	<=20	Pass
		Inner_1RB_Left	9.19	10.65	13.72	14.09	16.45	19.52	<=20	Pass
		Inner_1RB_Right	9.19	10.01	12.63	14.09	15.81	18.43	<=20	Pass
	3669.99	Edge_1RB_Left	8.11	9.46	12.55	13.01	15.26	18.35	<=20	Pass
		Edge_1RB_Right	9.02	10.33	12.42	13.92	16.13	18.22	<=20	Pass
		Outer_Full	1.84	1.93	-3.29	6.74	7.73	2.51	<=20	Pass
		Inner_Full	4.72	4.96	-1.13	9.62	10.76	4.67	<=20	Pass
		Inner_1RB_Left	8.76	9.87	12.81	13.66	15.67	18.61	<=20	Pass
		Inner_1RB_Right	9.45	9.14	13.15	14.35	14.94	18.95	<=20	Pass
CP-OFDM 16 QAM	3580.02	Edge_1RB_Left	9.00	10.03	13.09	13.90	15.83	18.89	<=20	Pass
		Edge_1RB_Right	8.96	10.32	12.57	13.86	16.12	18.37	<=20	Pass
		Outer_Full	1.25	1.44	-3.38	6.15	7.24	2.42	<=20	Pass
		Inner_Full	4.98	4.99	-0.09	9.88	10.79	5.71	<=20	Pass
		Inner_1RB_Left	9.12	10.59	13.21	14.02	16.39	19.01	<=20	Pass
		Inner_1RB_Right	9.44	10.33	12.57	14.34	16.13	18.37	<=20	Pass
	3624.99	Edge_1RB_Left	9.48	9.96	12.92	14.38	15.76	18.72	<=20	Pass
		Edge_1RB_Right	7.90	9.47	12.83	12.80	15.27	18.63	<=20	Pass
		Outer_Full	1.40	2.01	-3.57	6.30	7.81	2.23	<=20	Pass
		Inner_Full	4.99	5.01	-0.12	9.89	10.81	5.68	<=20	Pass
		Inner_1RB_Left	8.79	9.68	12.79	13.69	15.48	18.59	<=20	Pass
		Inner_1RB_Right	8.82	10.16	12.67	13.72	15.96	18.47	<=20	Pass
	3669.99	Edge_1RB_Left	8.61	9.92	12.33	13.51	15.72	18.13	<=20	Pass
		Edge_1RB_Right	9.53	11.03	11.95	14.43	16.83	17.75	<=20	Pass
		Outer_Full	1.32	1.81	-3.49	6.22	7.61	2.31	<=20	Pass
		Inner_Full	4.27	5.38	-0.79	9.17	11.18	5.01	<=20	Pass
		Inner_1RB_Left	9.06	10.18	12.94	13.96	15.98	18.74	<=20	Pass
		Inner_1RB_Right	9.18	9.56	12.41	14.08	15.36	18.21	<=20	Pass



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CP-OFDM 64 QAM	3580.02	Edge 1RB Left	9.55	9.81	13.15	14.45	15.61	18.95	<=20	Pass
		Edge 1RB Right	9.49	10.00	12.33	14.39	15.80	18.13	<=20	Pass
		Outer Full	2.15	1.63	-3.08	7.05	7.43	2.72	<=20	Pass
		Inner Full	5.16	4.98	-1.23	10.06	10.78	4.57	<=20	Pass
		Inner 1RB Left	9.16	9.64	13.22	14.06	15.44	19.02	<=20	Pass
		Inner 1RB Right	9.46	10.28	12.81	14.36	16.08	18.61	<=20	Pass
	3624.99	Edge 1RB Left	9.42	9.62	13.53	14.32	15.42	19.33	<=20	Pass
		Edge 1RB Right	8.95	9.28	13.52	13.85	15.08	19.32	<=20	Pass
		Outer Full	1.83	1.62	-3.92	6.73	7.42	1.88	<=20	Pass
		Inner Full	4.33	5.36	-0.85	9.23	11.16	4.95	<=20	Pass
		Inner 1RB Left	8.70	10.49	12.53	13.60	16.29	18.33	<=20	Pass
		Inner 1RB Right	8.89	9.73	12.49	13.79	15.53	18.29	<=20	Pass
	3669.99	Edge 1RB Left	9.40	9.00	12.75	14.30	14.80	18.55	<=20	Pass
		Edge 1RB Right	9.21	10.57	12.14	14.11	16.37	17.94	<=20	Pass
		Outer Full	1.38	1.53	-4.28	6.28	7.33	1.52	<=20	Pass
		Inner Full	4.34	4.78	-0.73	9.24	10.58	5.07	<=20	Pass
		Inner 1RB Left	8.73	10.12	11.99	13.63	15.92	17.79	<=20	Pass
		Inner 1RB Right	8.73	9.88	12.55	13.63	15.68	18.35	<=20	Pass
CP-OFDM 256 QAM	3580.02	Edge 1RB Left	9.59	9.86	12.68	14.49	15.66	18.48	<=20	Pass
		Edge 1RB Right	8.87	9.73	12.14	13.77	15.53	17.94	<=20	Pass
		Outer Full	1.69	1.93	-3.52	6.59	7.73	2.28	<=20	Pass
		Inner Full	4.85	5.64	-0.32	9.75	11.44	5.48	<=20	Pass
		Inner 1RB Left	9.22	9.89	12.58	14.12	15.69	18.38	<=20	Pass
		Inner 1RB Right	9.47	9.28	12.84	14.37	15.08	18.64	<=20	Pass
	3624.99	Edge 1RB Left	8.94	9.91	13.04	13.84	15.71	18.84	<=20	Pass
		Edge 1RB Right	9.69	10.00	12.14	14.59	15.80	17.94	<=20	Pass
		Outer Full	1.77	1.92	-3.38	6.67	7.72	2.42	<=20	Pass
		Inner Full	5.01	4.91	-0.07	9.91	10.71	5.73	<=20	Pass
		Inner 1RB Left	9.43	10.39	12.73	14.33	16.19	18.53	<=20	Pass
		Inner 1RB Right	8.56	10.26	11.46	13.46	16.06	17.26	<=20	Pass
	3669.99	Edge 1RB Left	8.66	10.08	11.77	13.56	15.88	17.57	<=20	Pass
		Edge 1RB Right	9.43	9.74	12.18	14.33	15.54	17.98	<=20	Pass
		Outer Full	1.17	2.37	-3.81	6.07	8.17	1.99	<=20	Pass
		Inner Full	4.62	4.98	-1.09	9.52	10.78	4.71	<=20	Pass
		Inner 1RB Left	8.03	8.68	12.08	12.93	14.48	17.88	<=20	Pass
		Inner 1RB Right	10.25	10.54	12.19	15.15	16.34	17.99	<=20	Pass

Note1: Antenna Gain: Ant1: 4.90dBi; Ant2: 5.80dBi;
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2



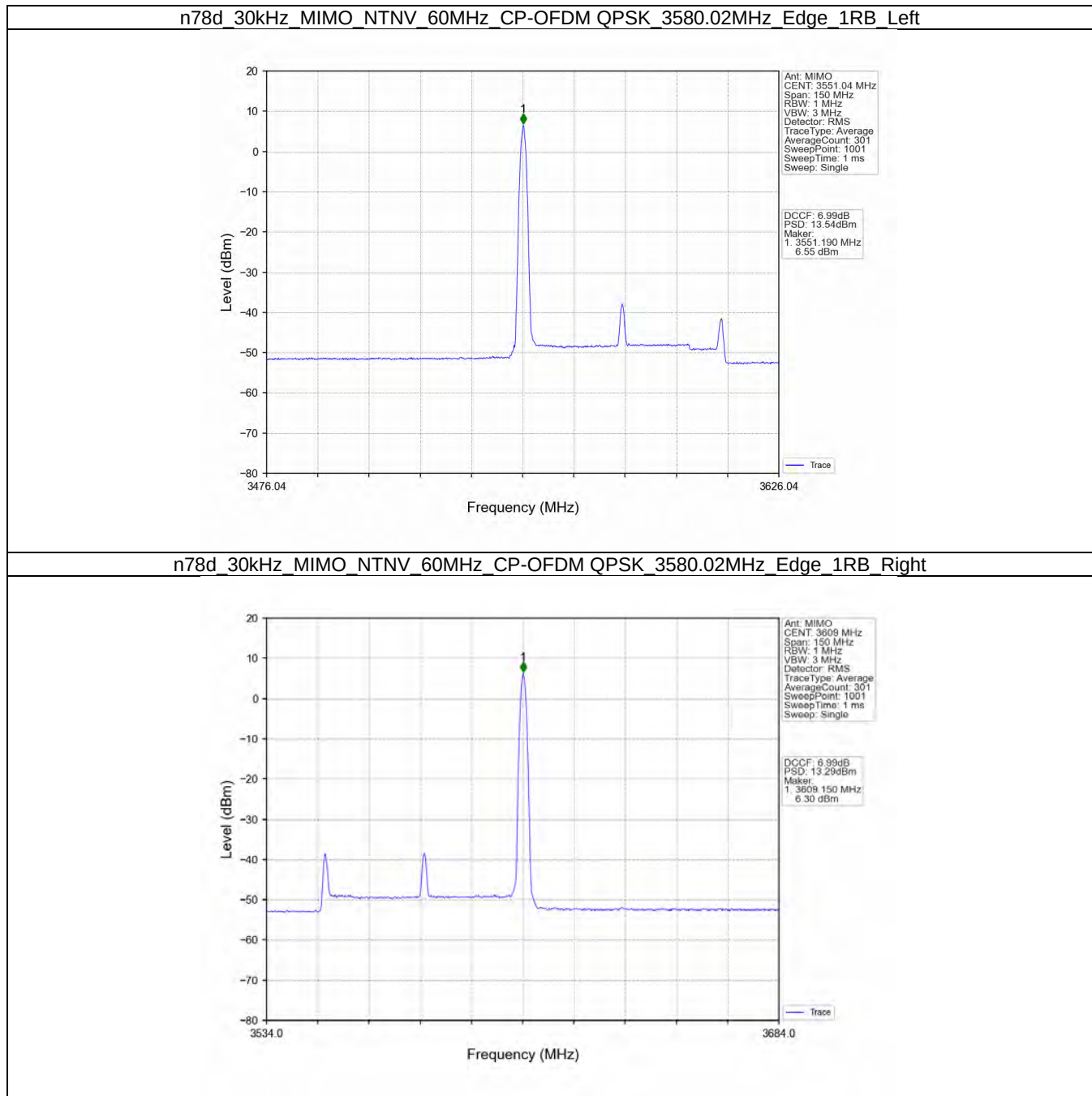
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2.21.2 Test Graph



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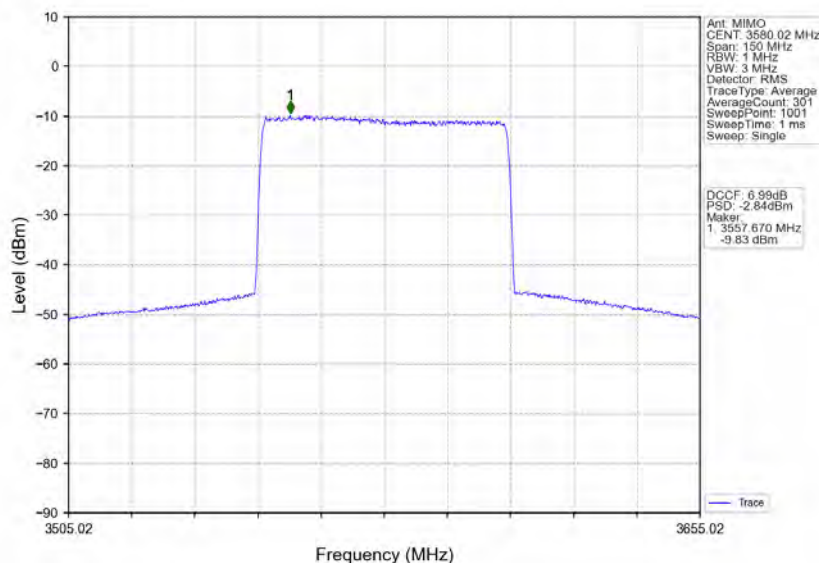
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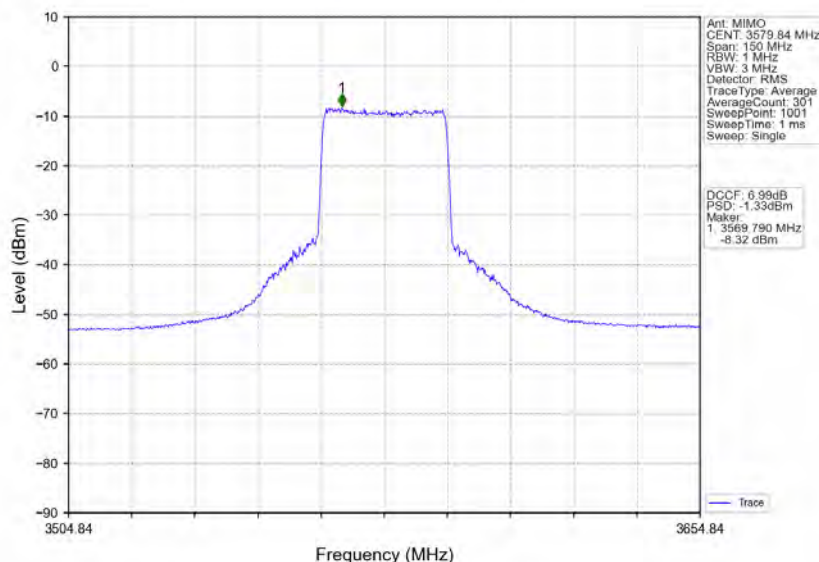
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n78d_30kHz_MIMO_NTNV_60MHz_CP-OFDM_QPSK_3580.02MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_60MHz_CP-OFDM_QPSK_3580.02MHz_Inner_Full



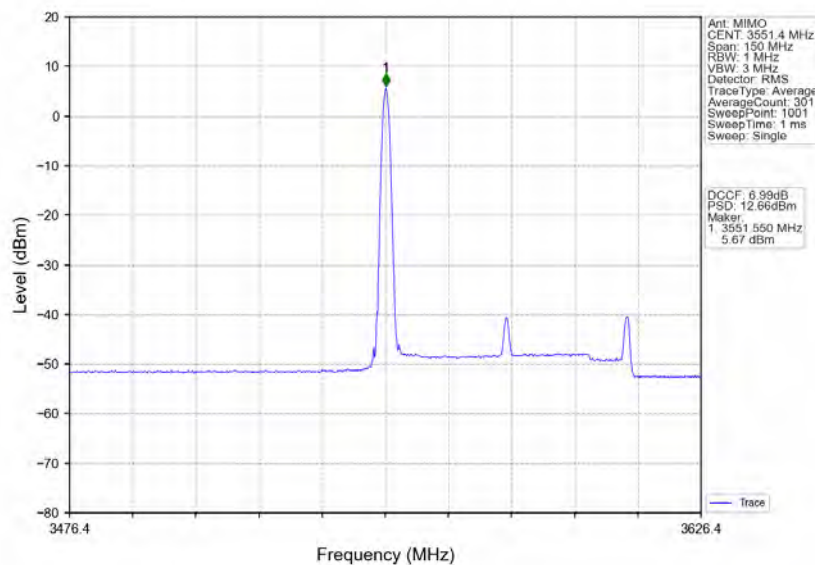
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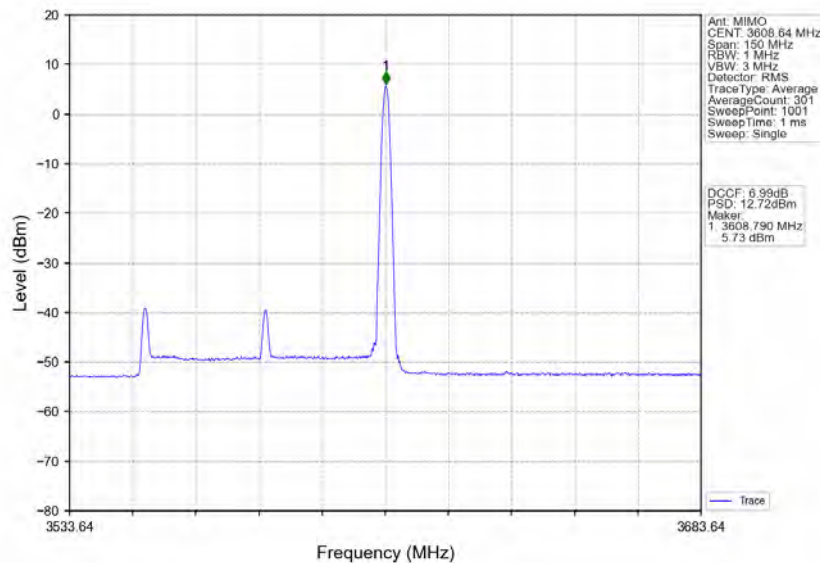
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n78d_30kHz_MIMO_NTNV_60MHz_CP-OFDM QPSK_3580.02MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_60MHz_CP-OFDM QPSK_3580.02MHz_Inner_1RB_Right



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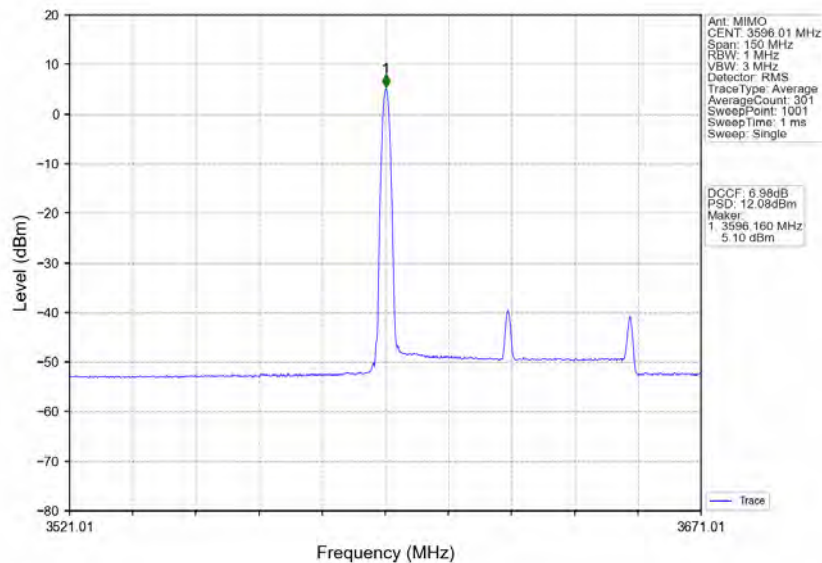
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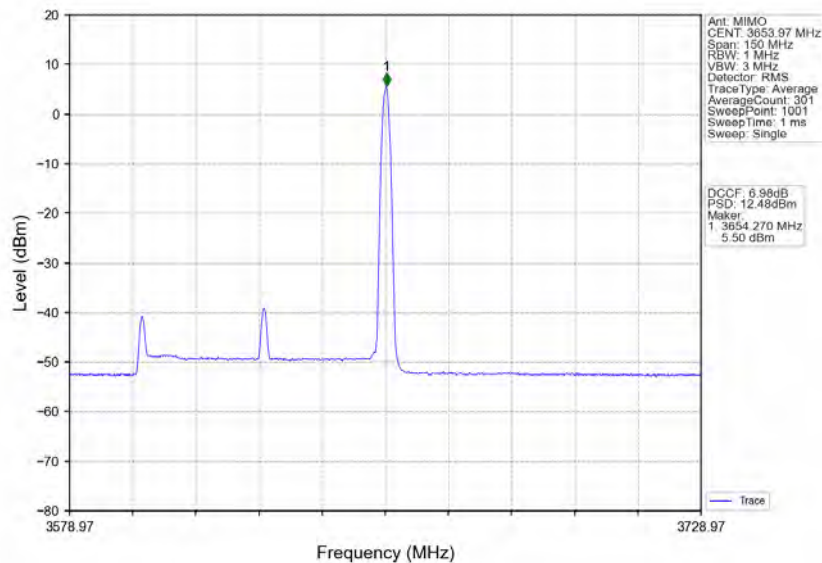
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n78d_30kHz_MIMO_NTNV_60MHz_CP-OFDM_QPSK_3624.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_60MHz_CP-OFDM_QPSK_3624.99MHz_Edge_1RB_Right



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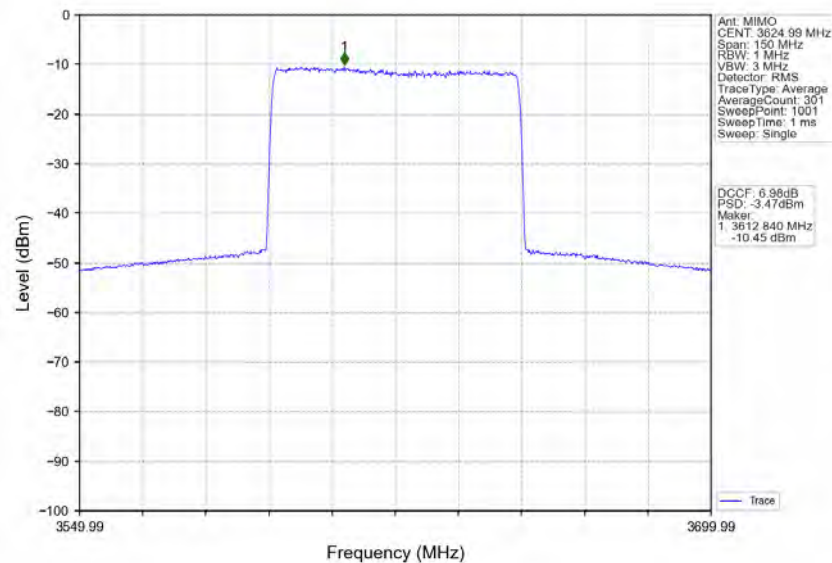
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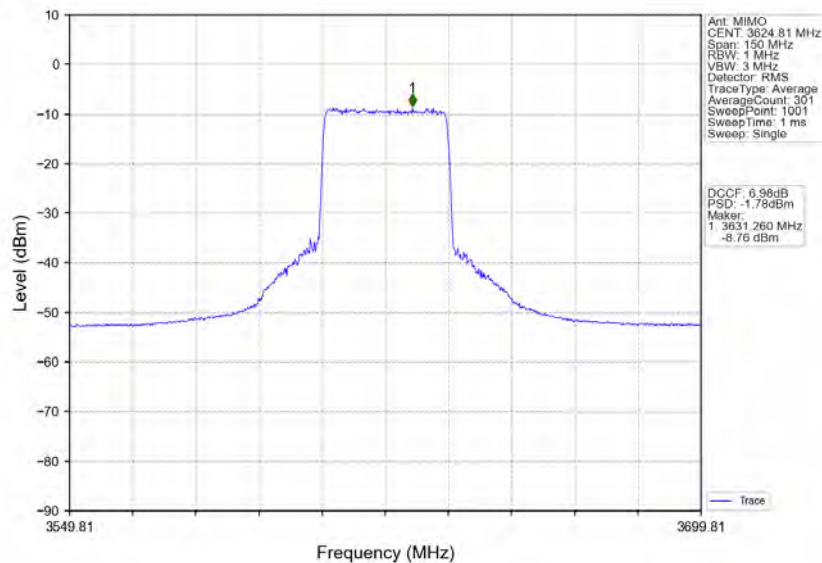
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n78d_30kHz_MIMO_NTNV_60MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



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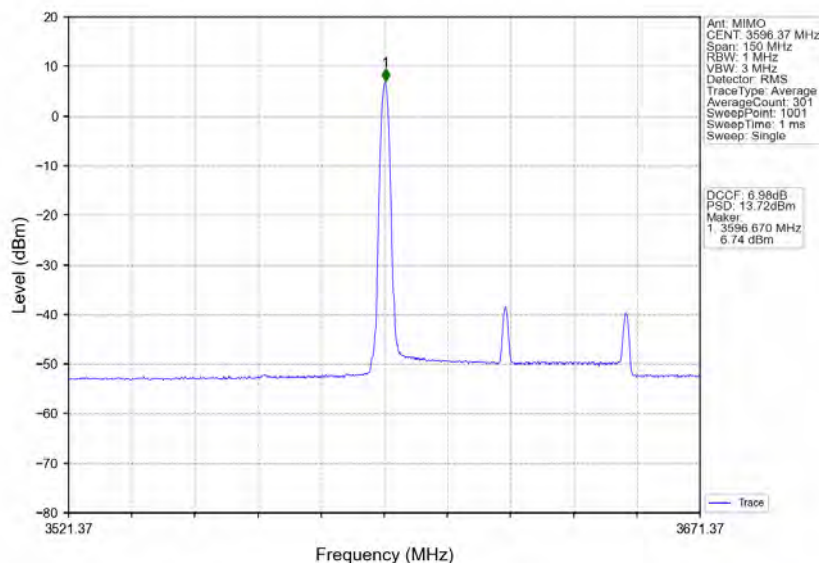
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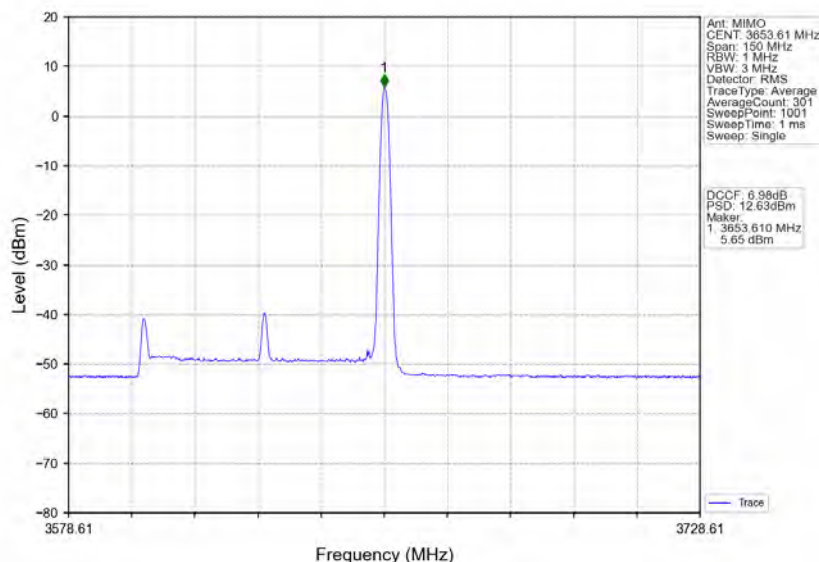
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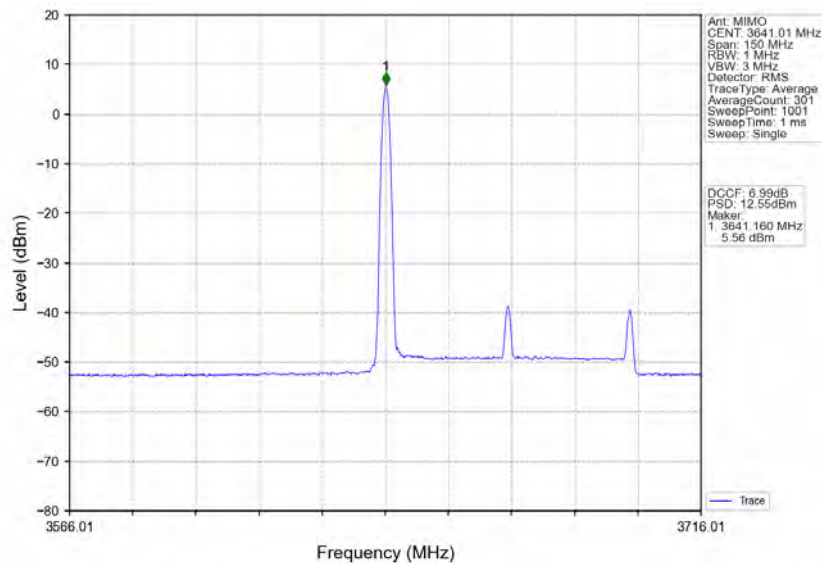
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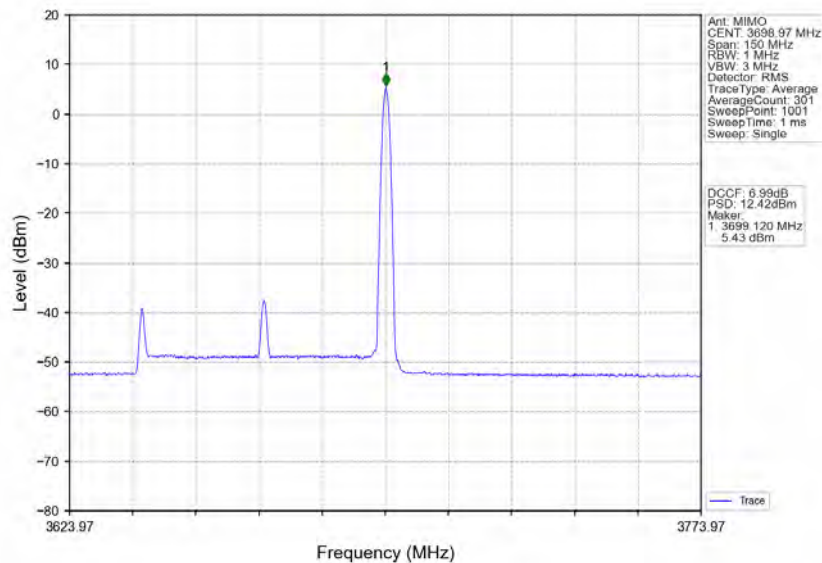
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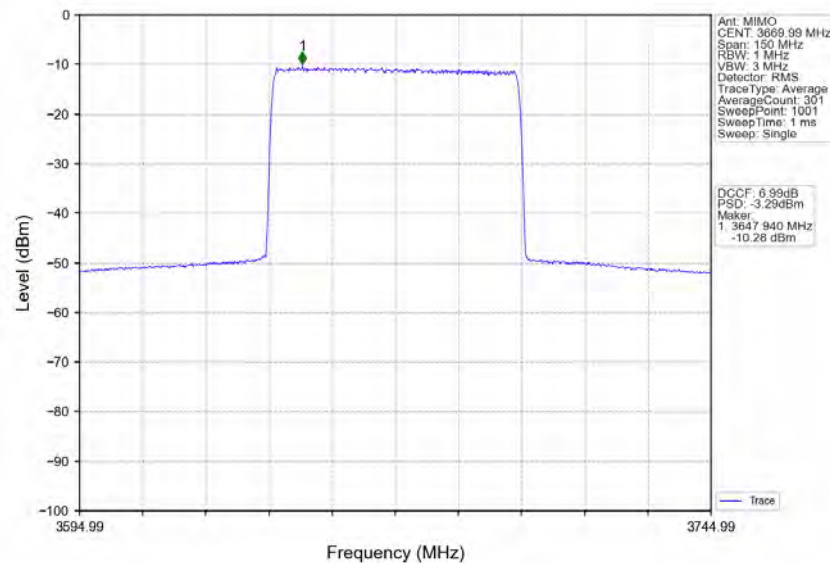
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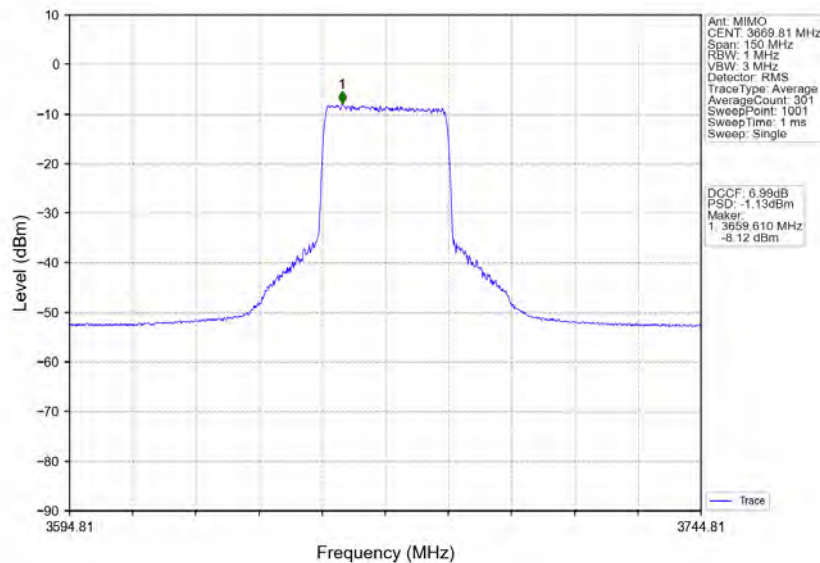
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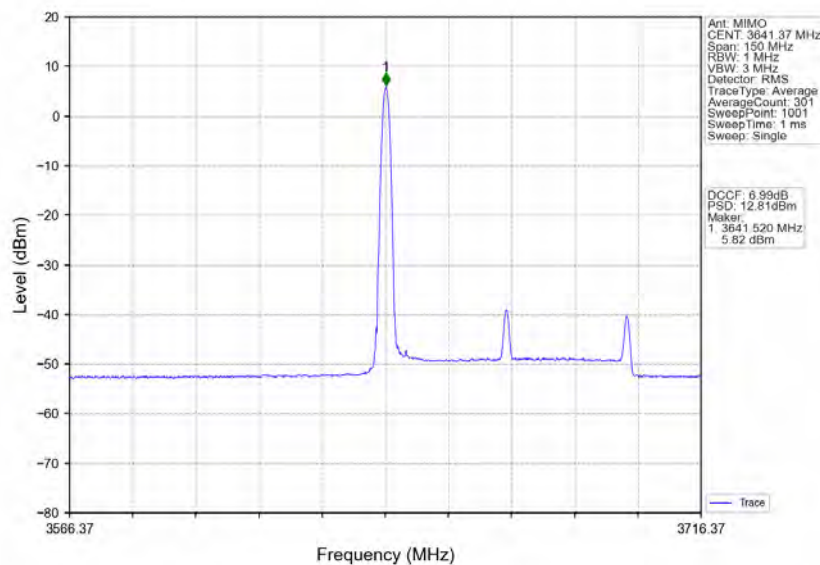
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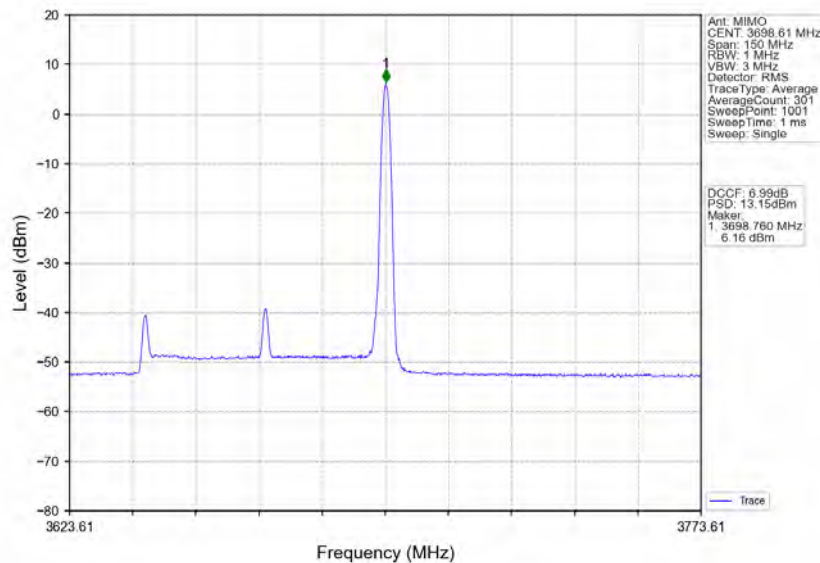
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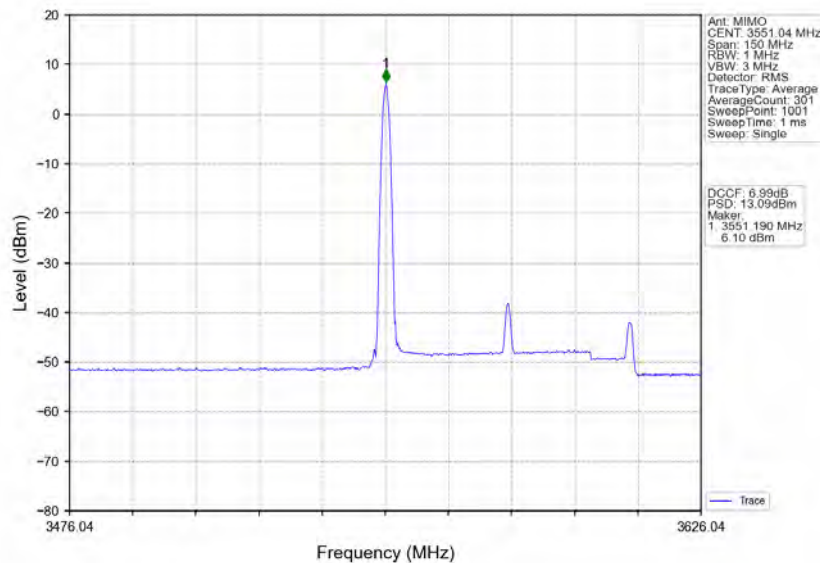
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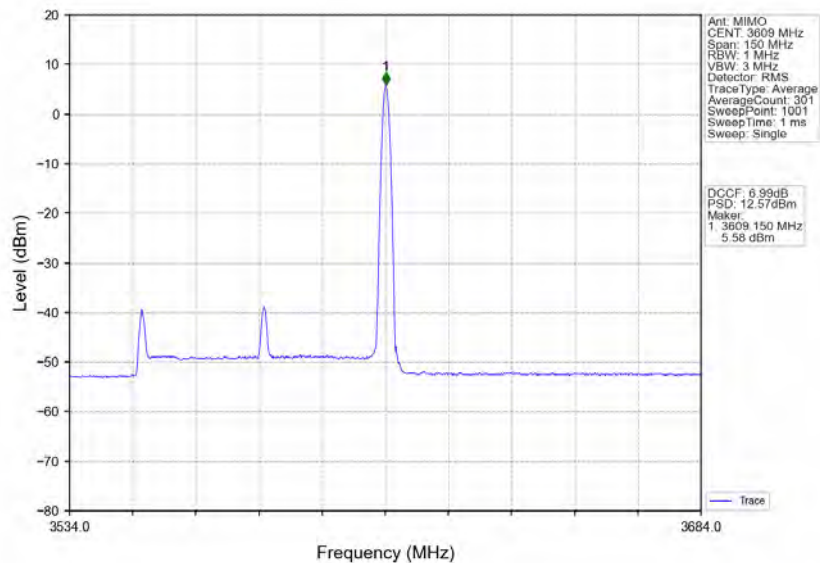
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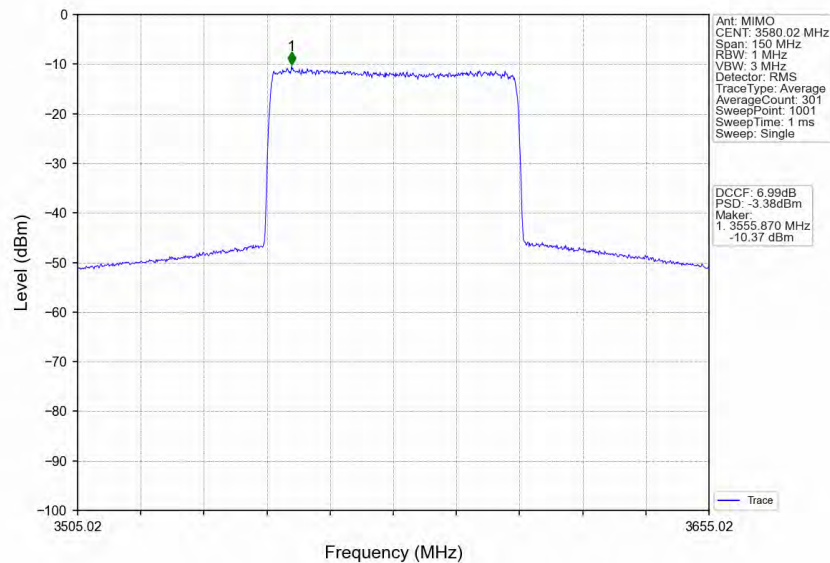
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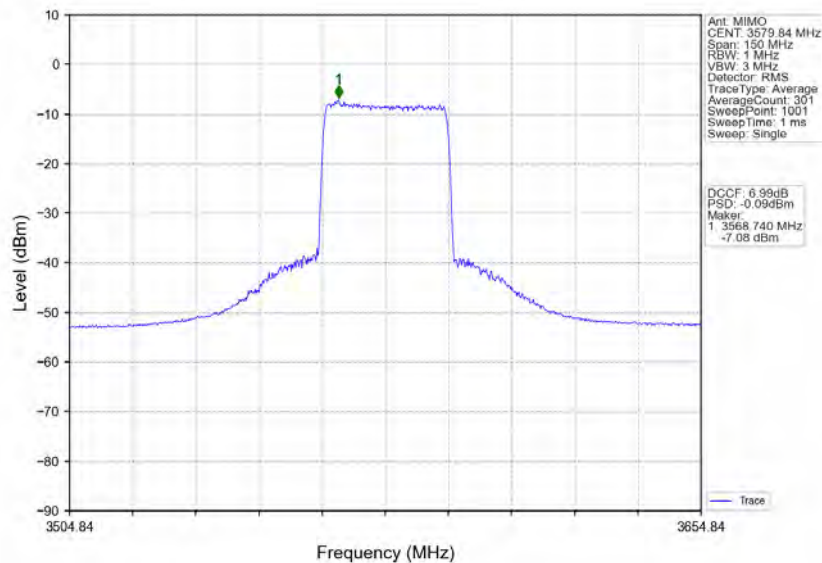
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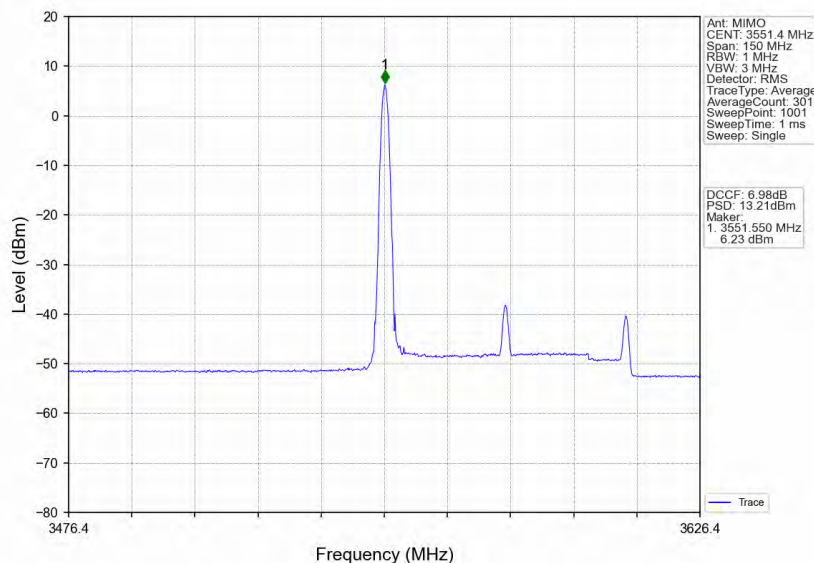
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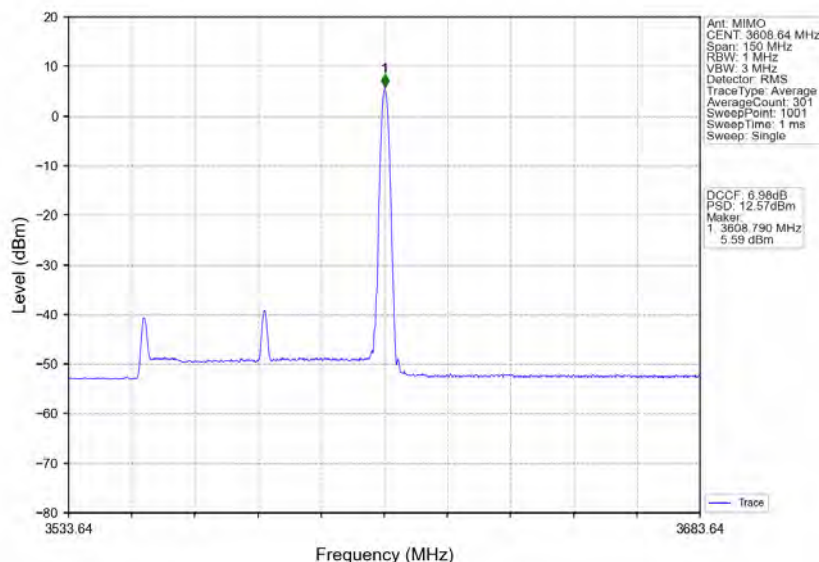
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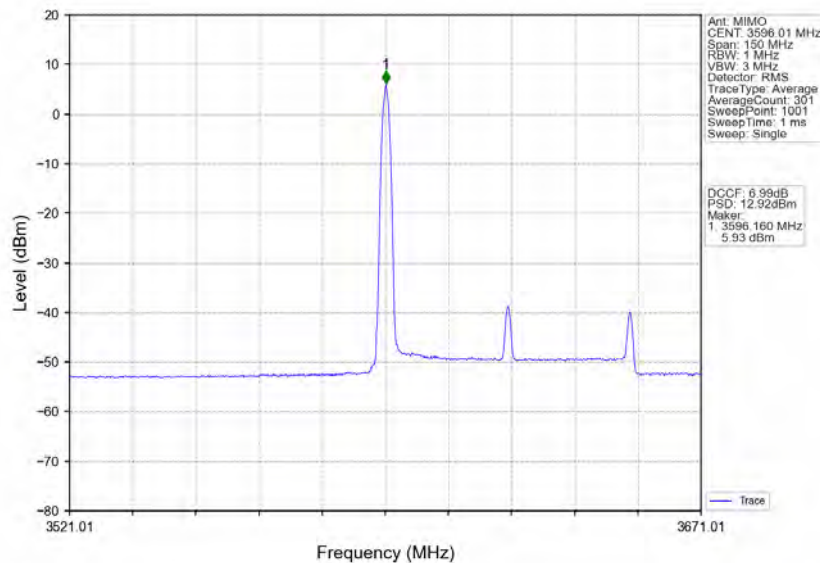
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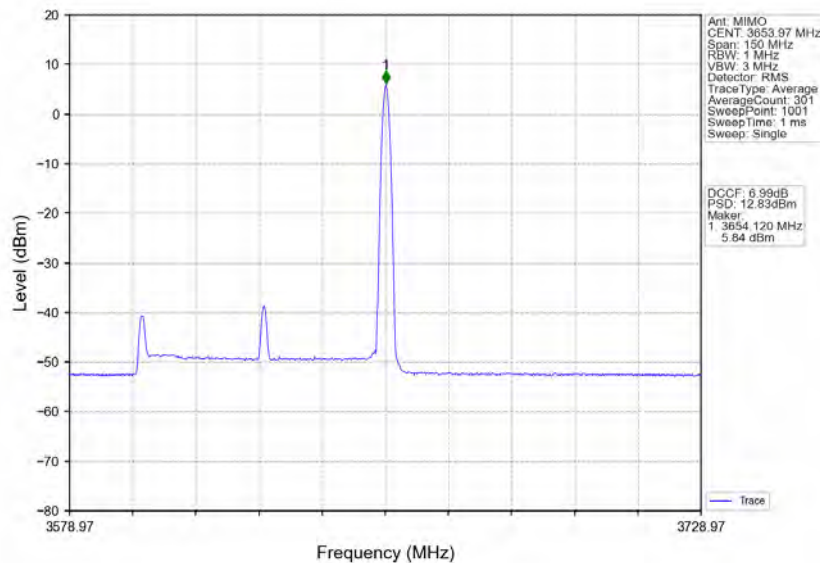
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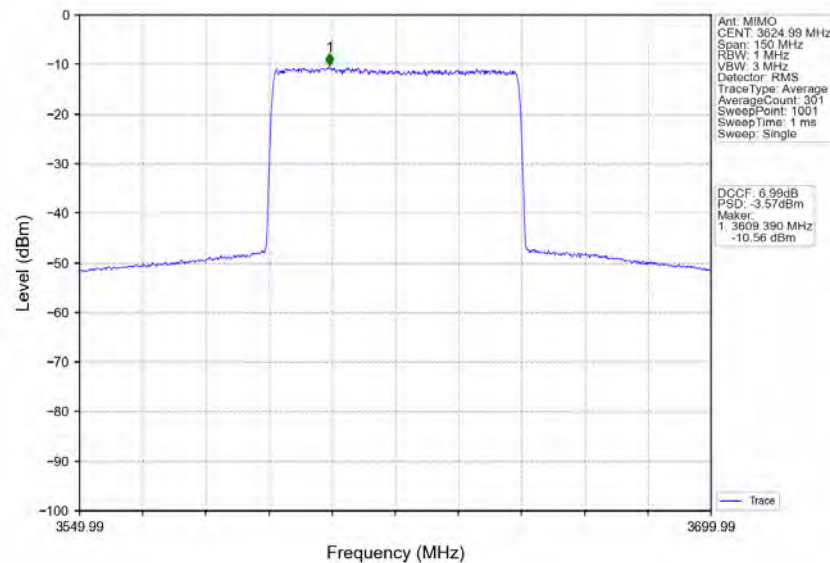
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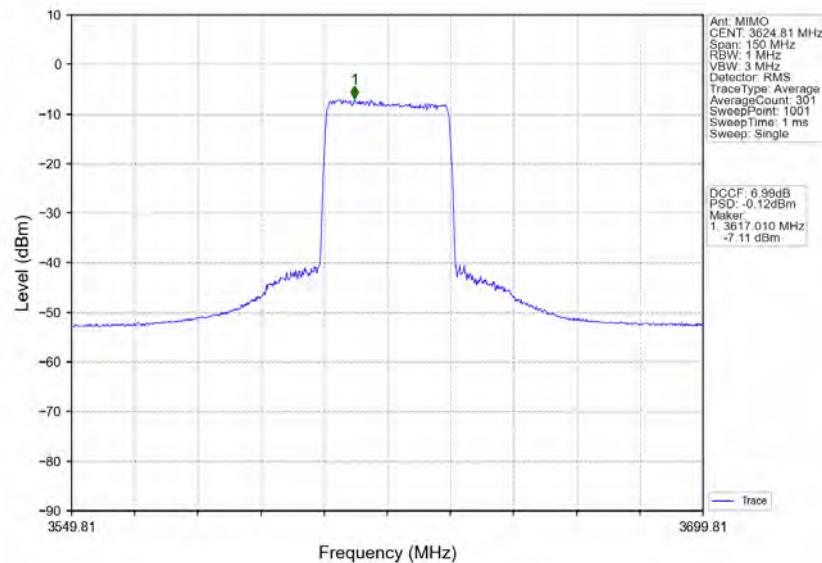
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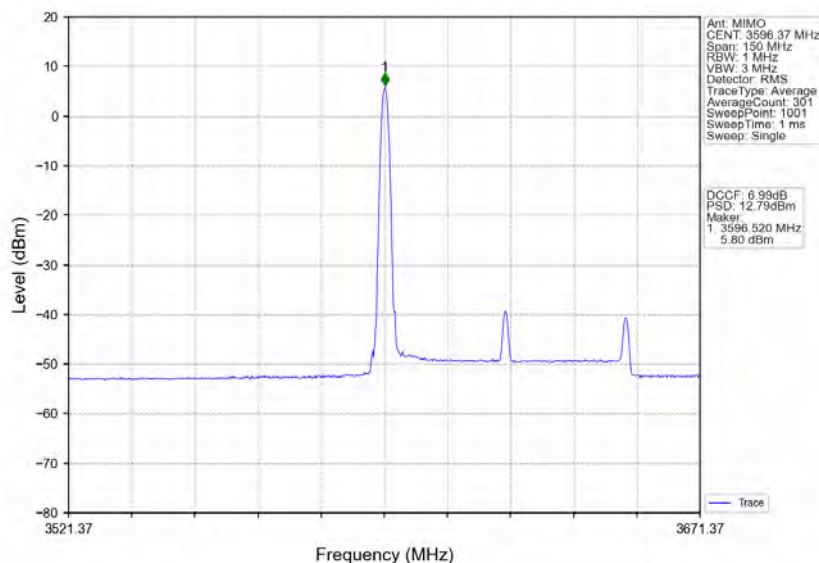
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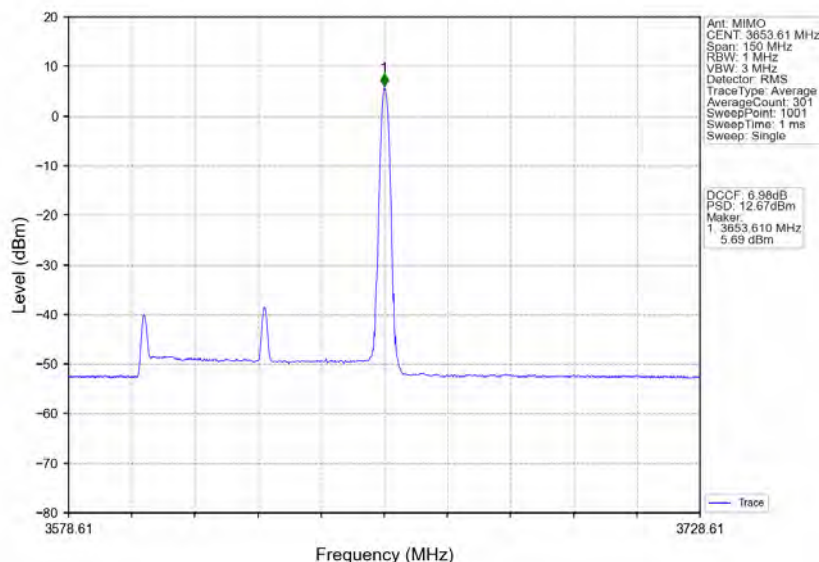
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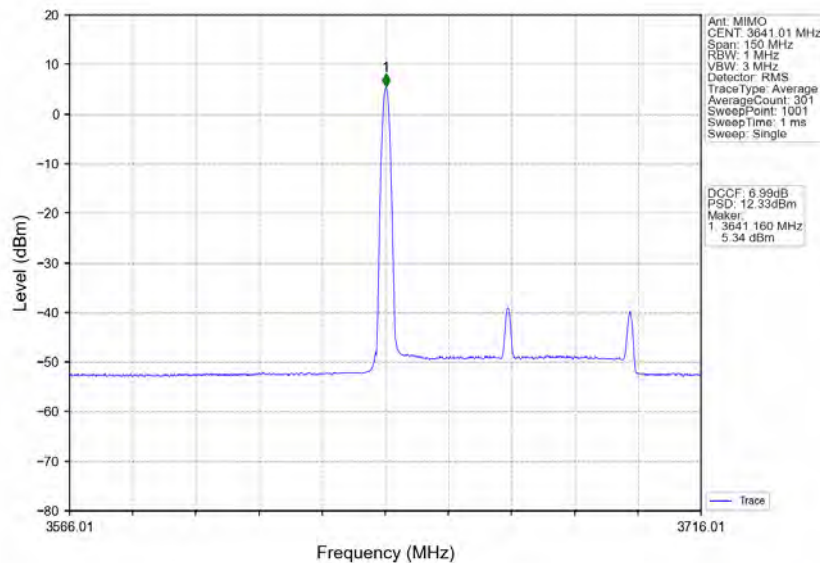
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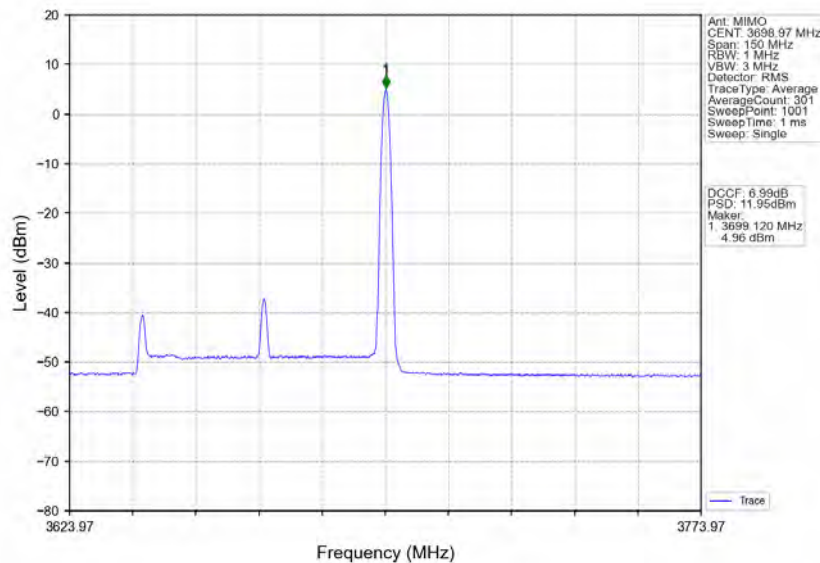
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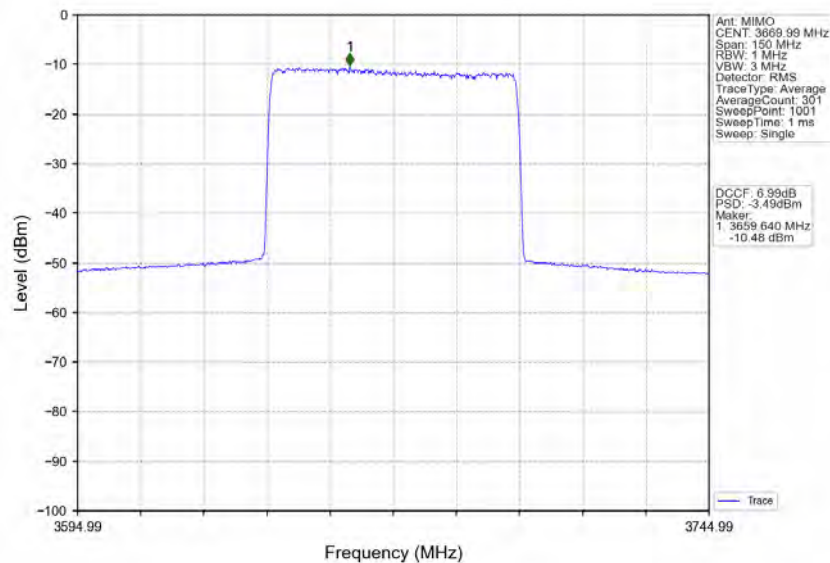
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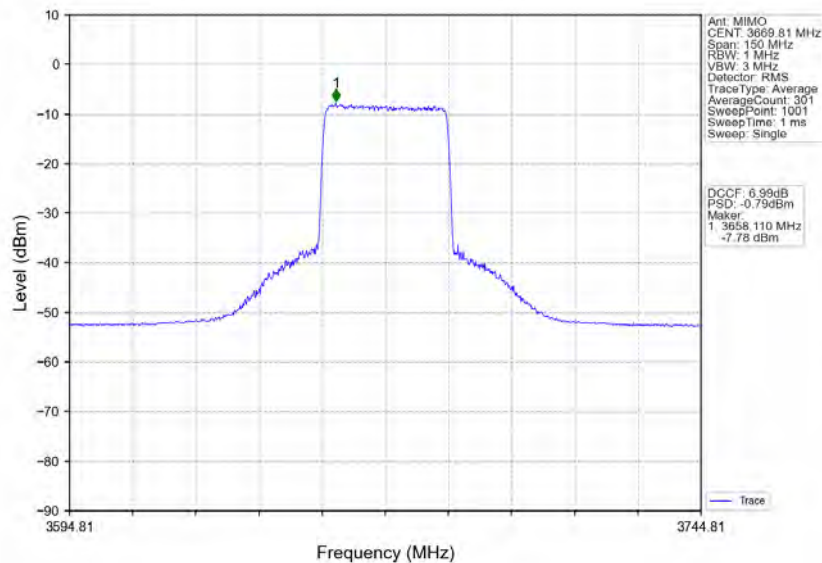
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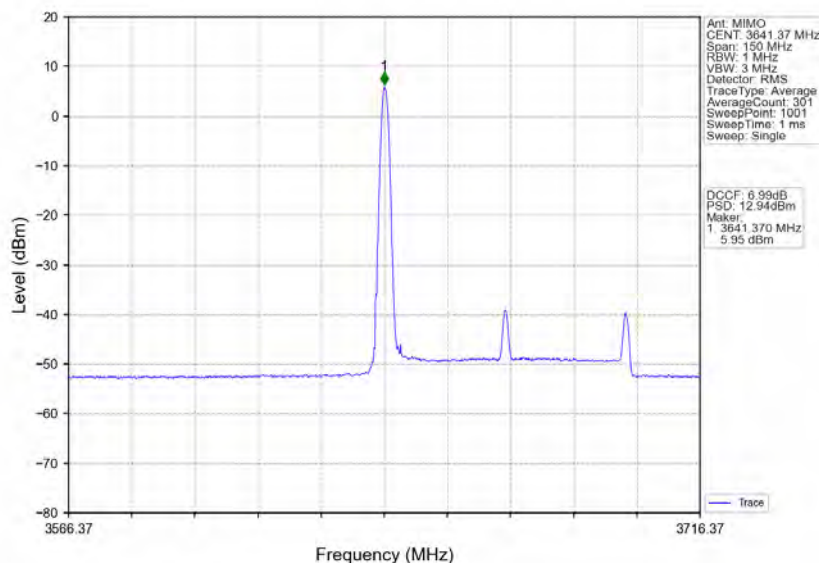
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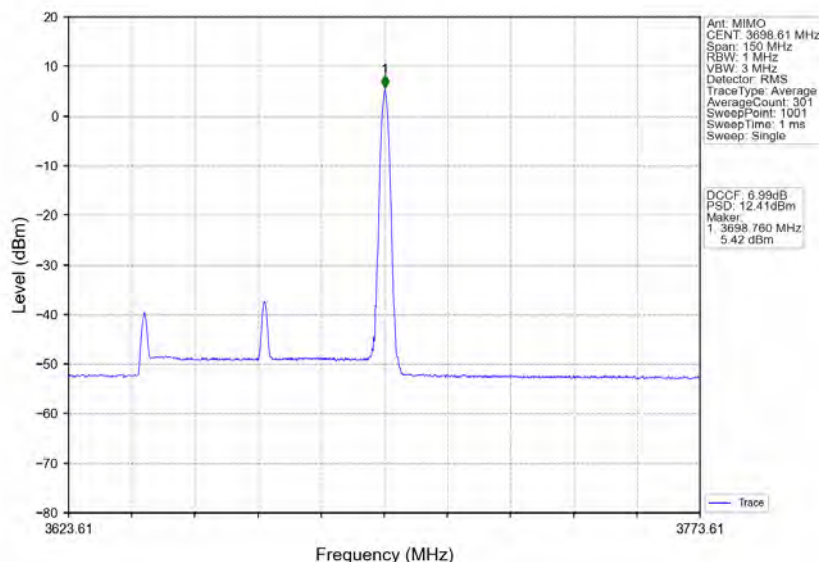
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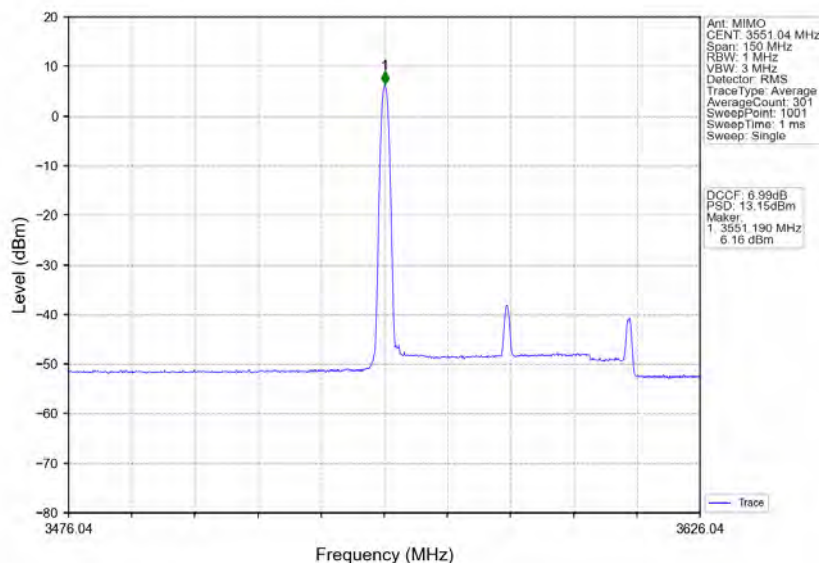
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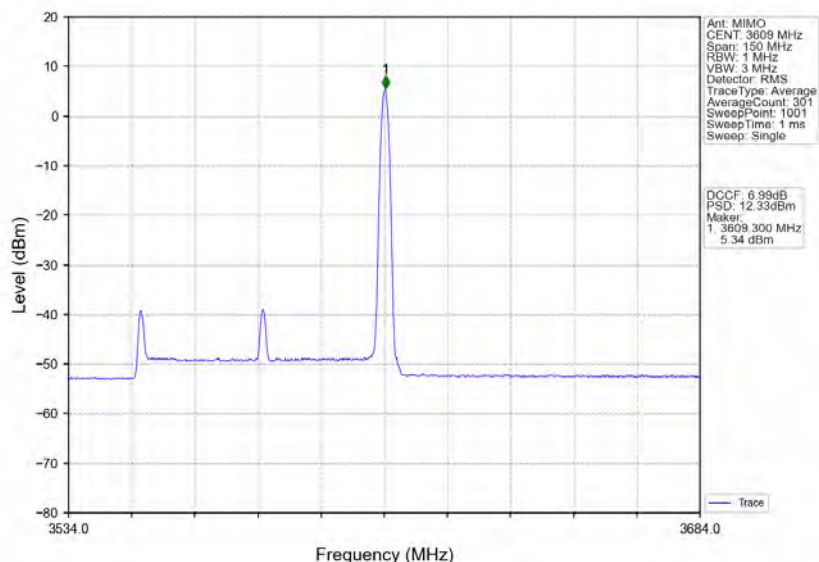
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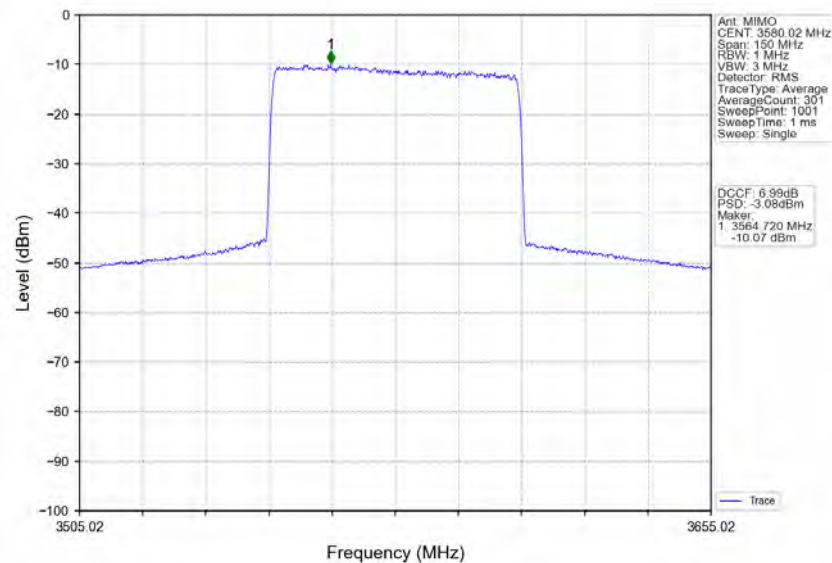
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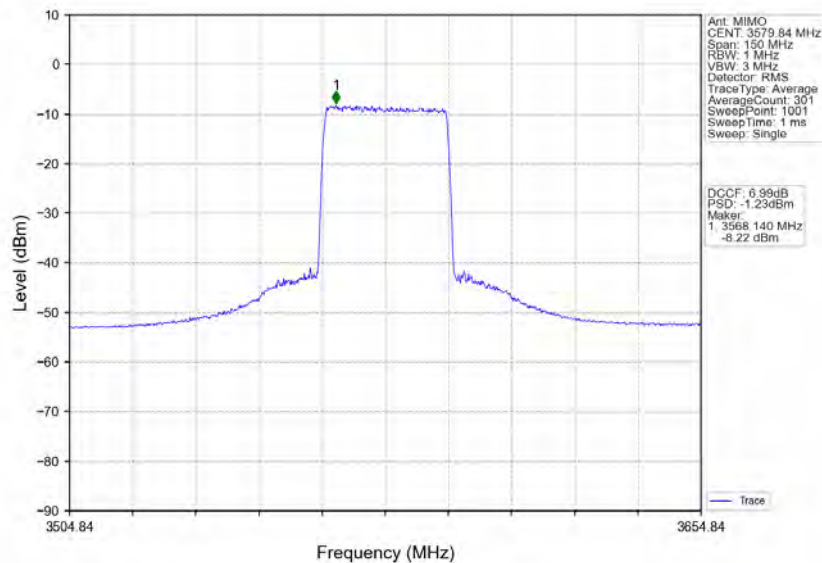
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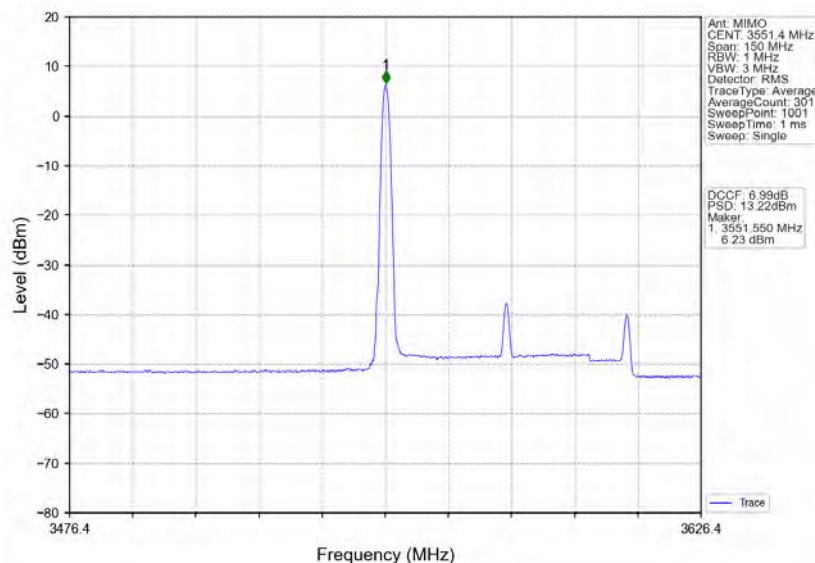
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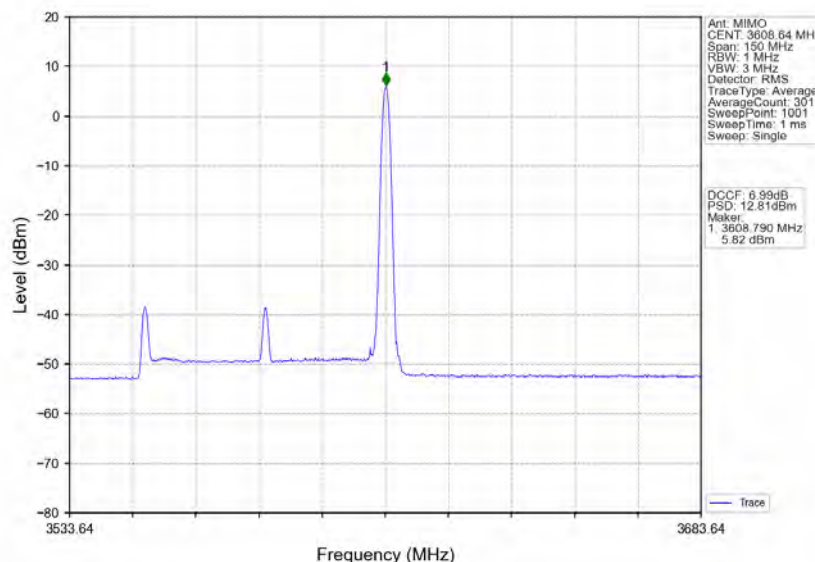
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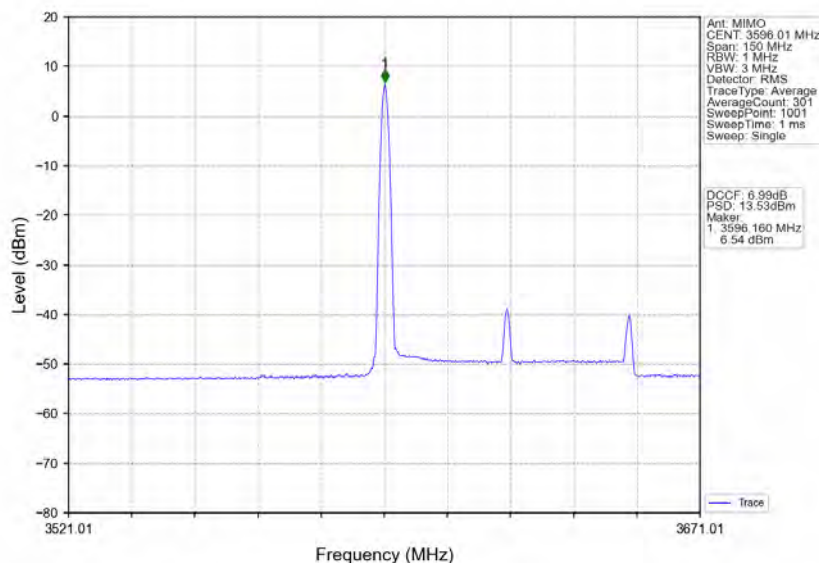
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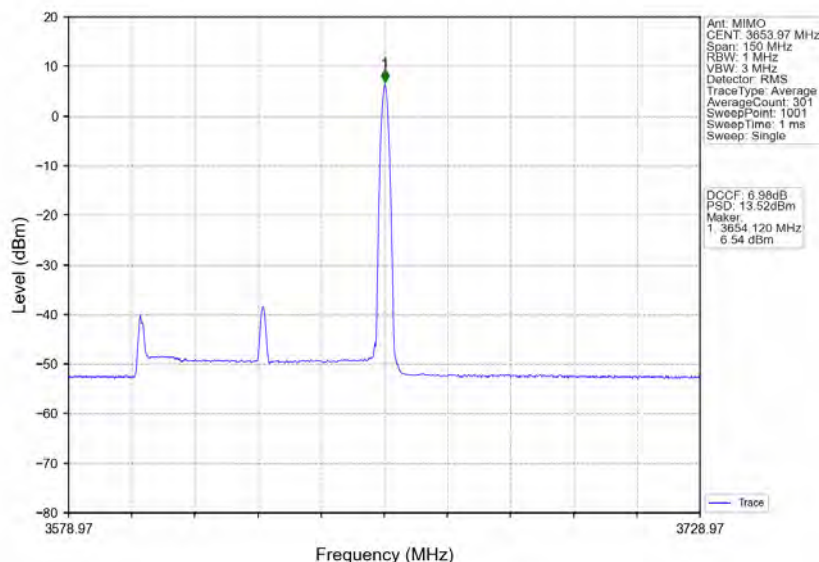
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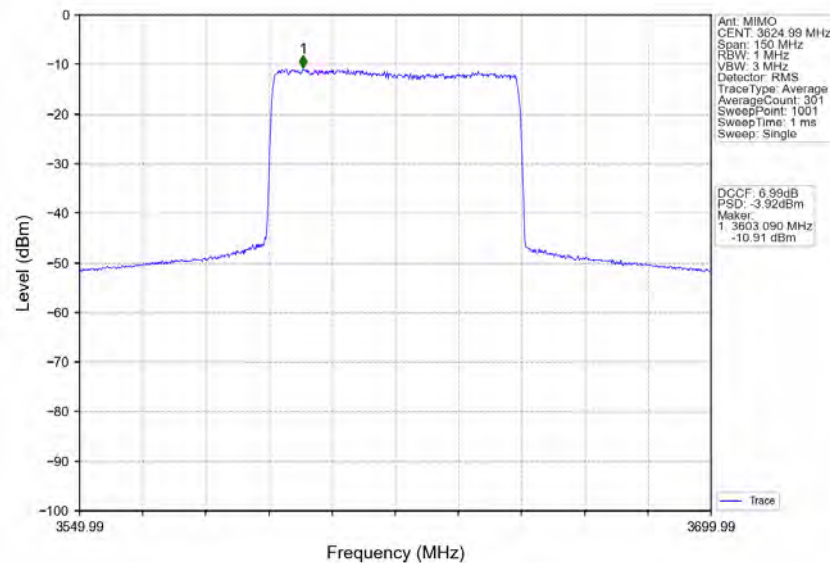
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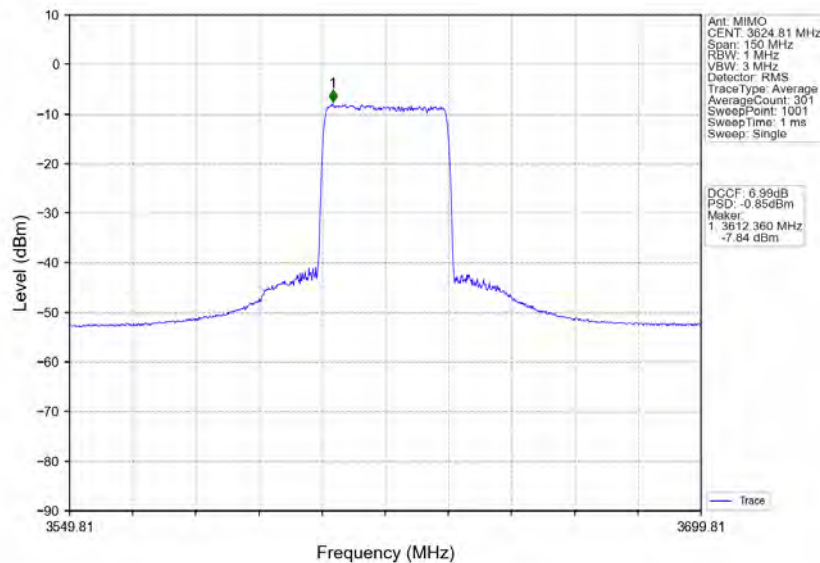
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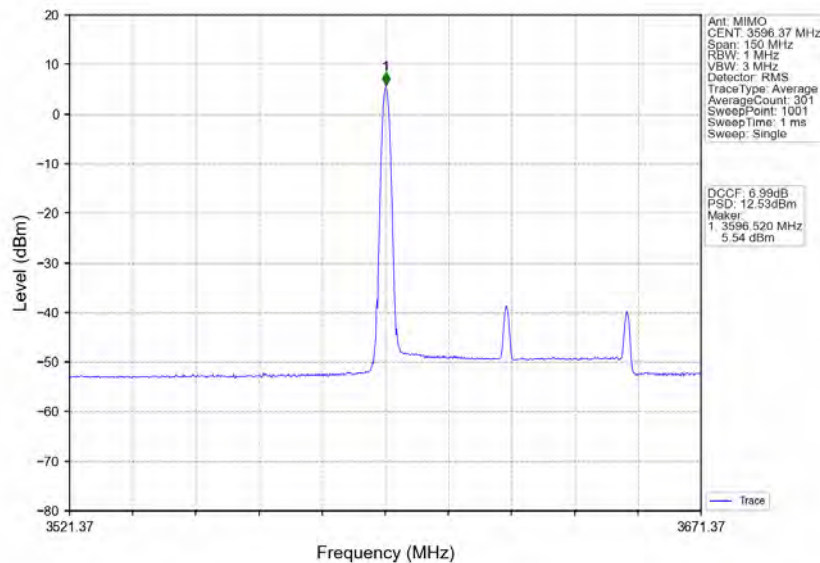
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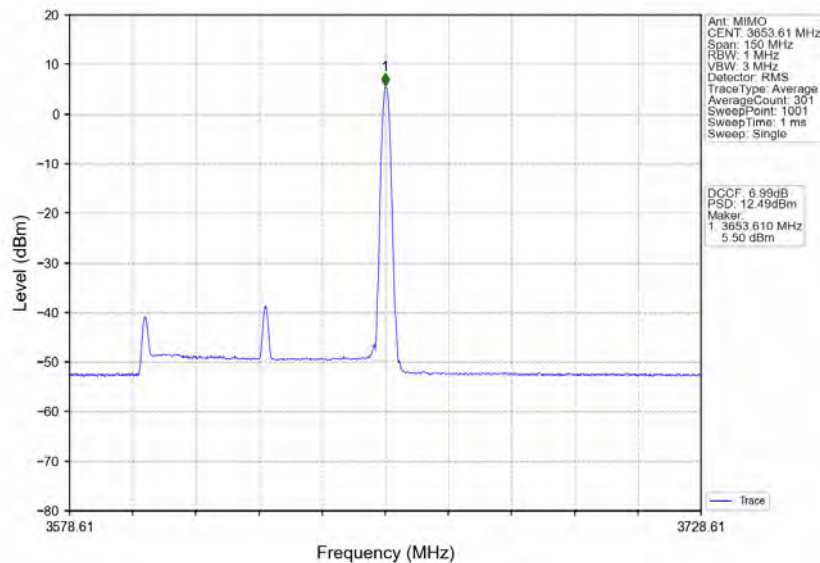
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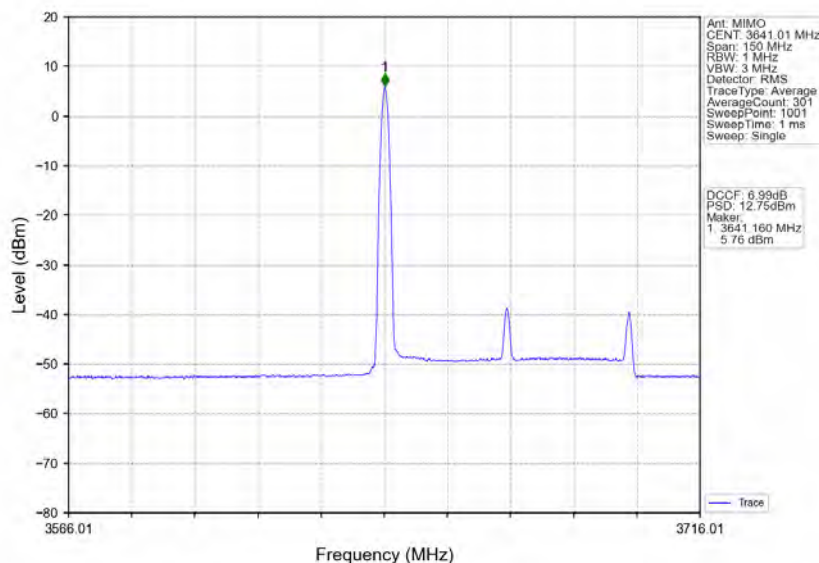
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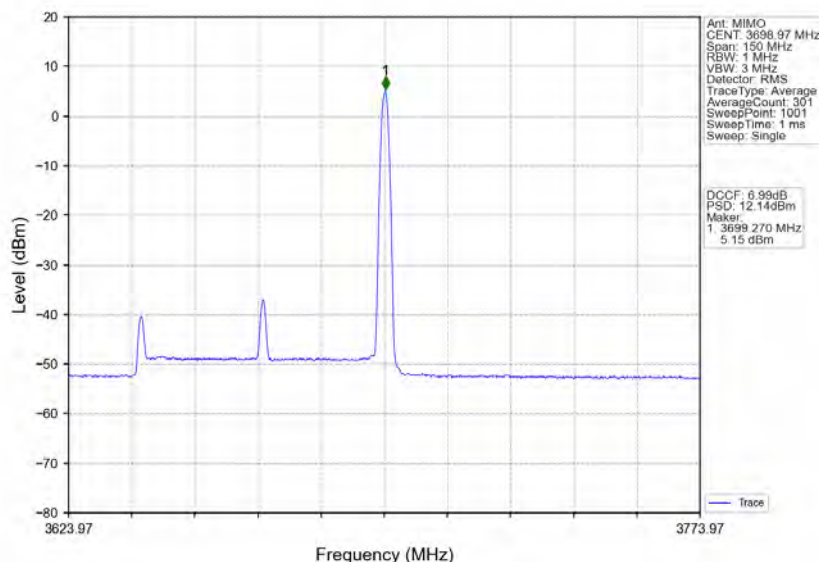
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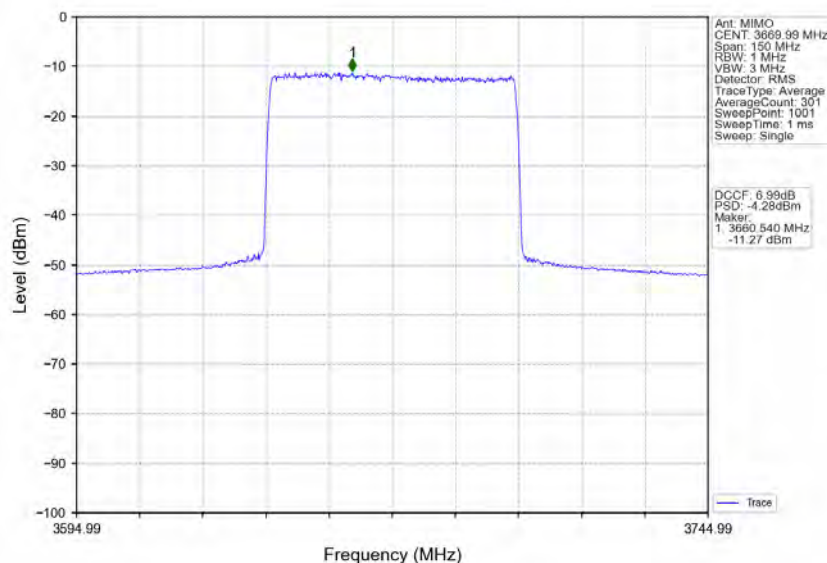
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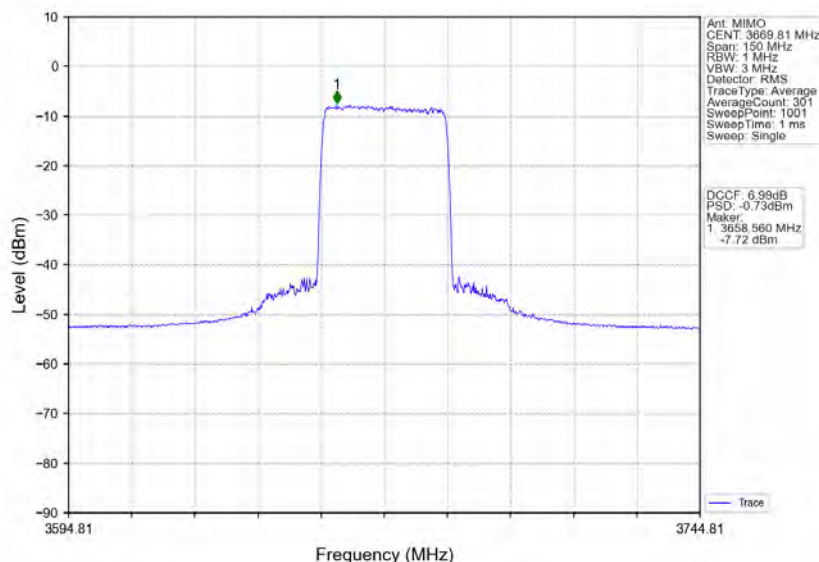
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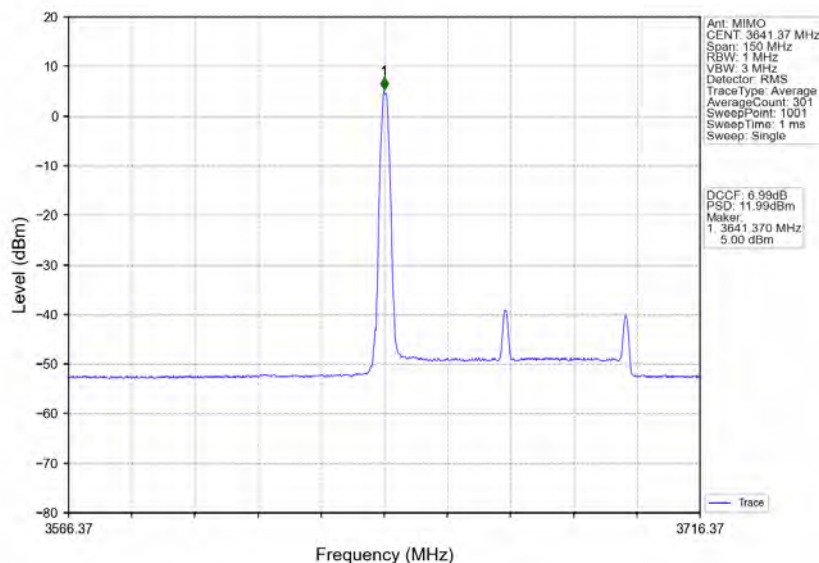
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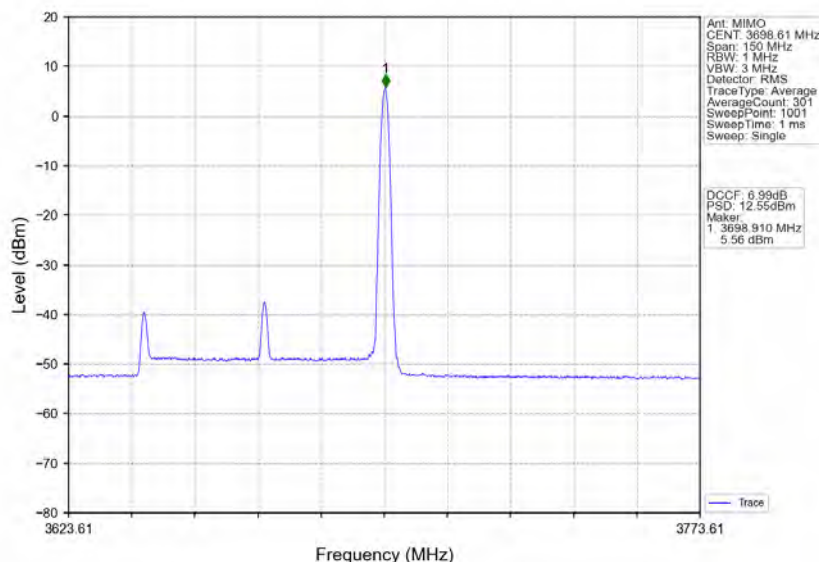
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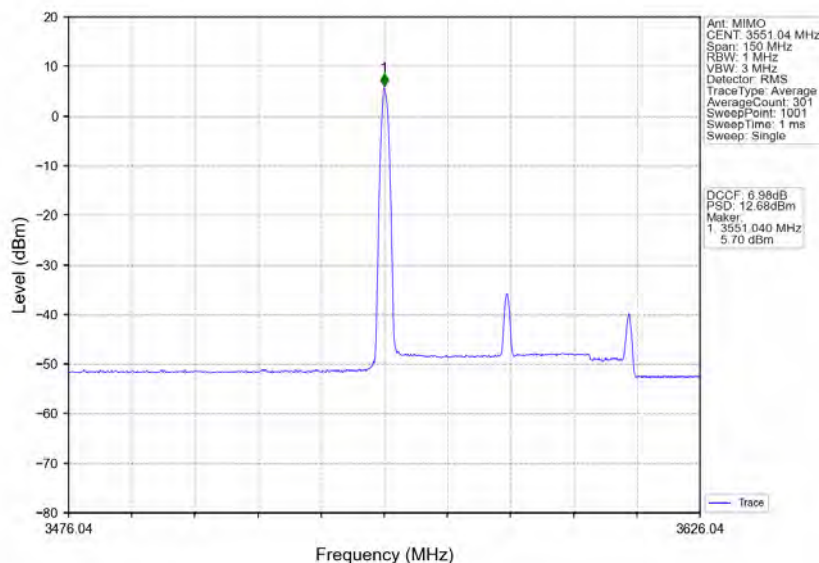
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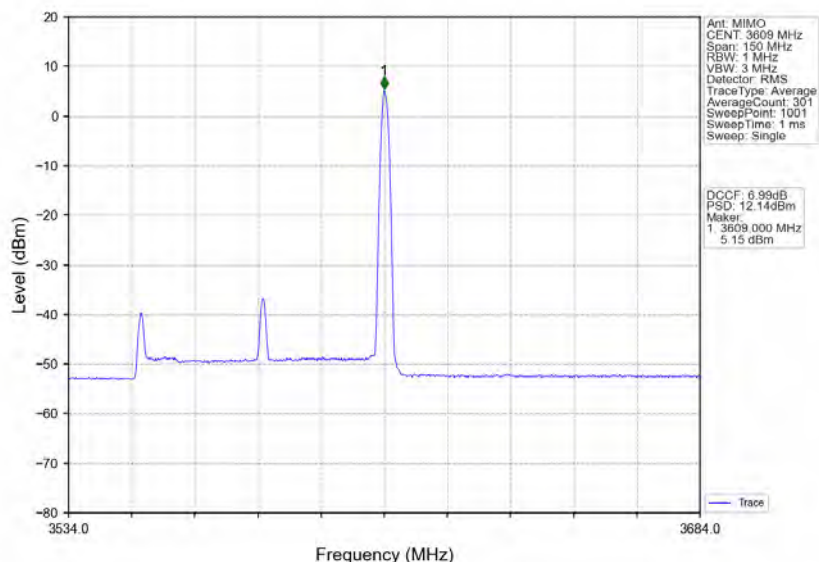
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n78d_30kHz_MIMO_NTNV_60MHz_CP-OFDM_256_QAM_3580.02MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_60MHz_CP-OFDM_256_QAM_3580.02MHz_Edge_1RB_Right



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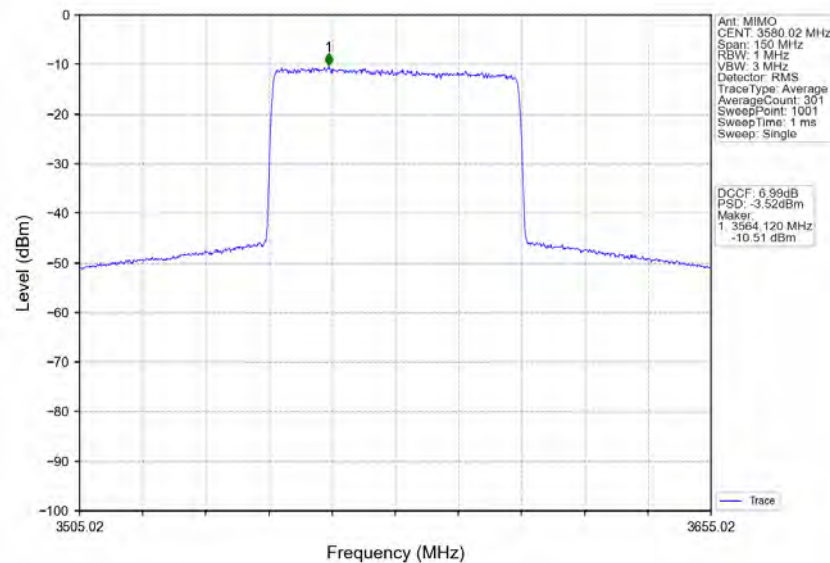
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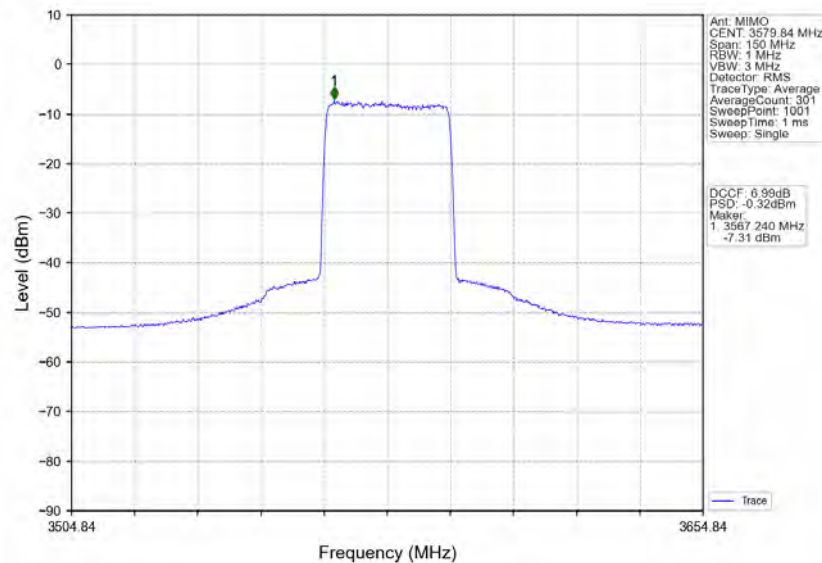
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n78d_30kHz_MIMO_NTNV_60MHz_CP-OFDM_256_QAM_3580.02MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_60MHz_CP-OFDM_256_QAM_3580.02MHz_Inner_Full



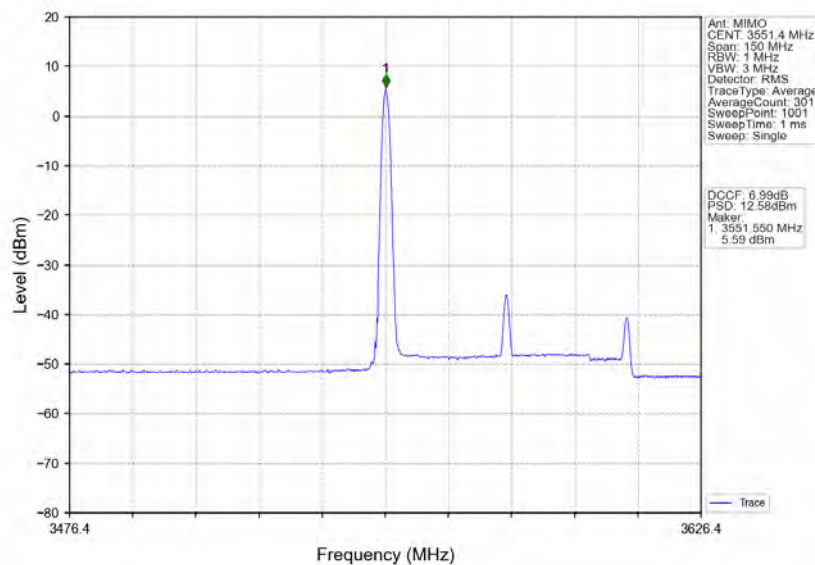
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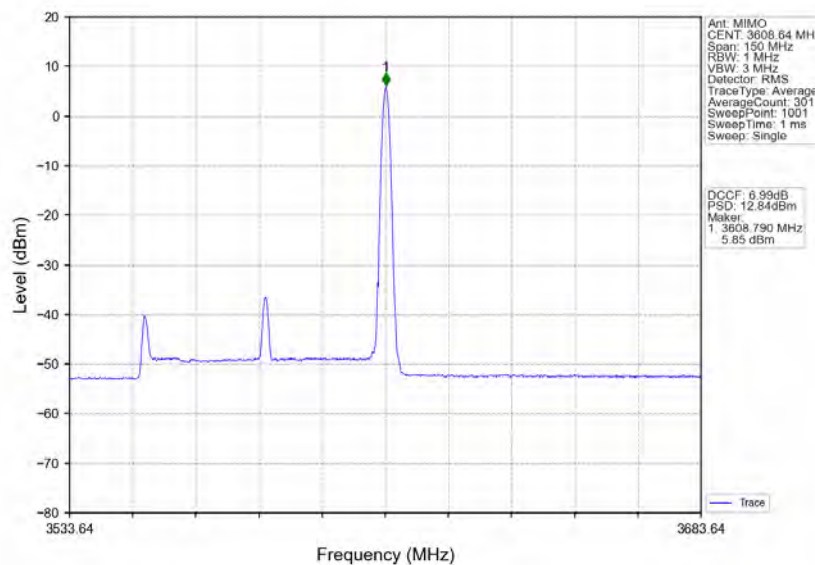
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n78d_30kHz_MIMO_NTNV_60MHz_CP-OFDM_256_QAM_3580.02MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_60MHz_CP-OFDM_256_QAM_3580.02MHz_Inner_1RB_Right



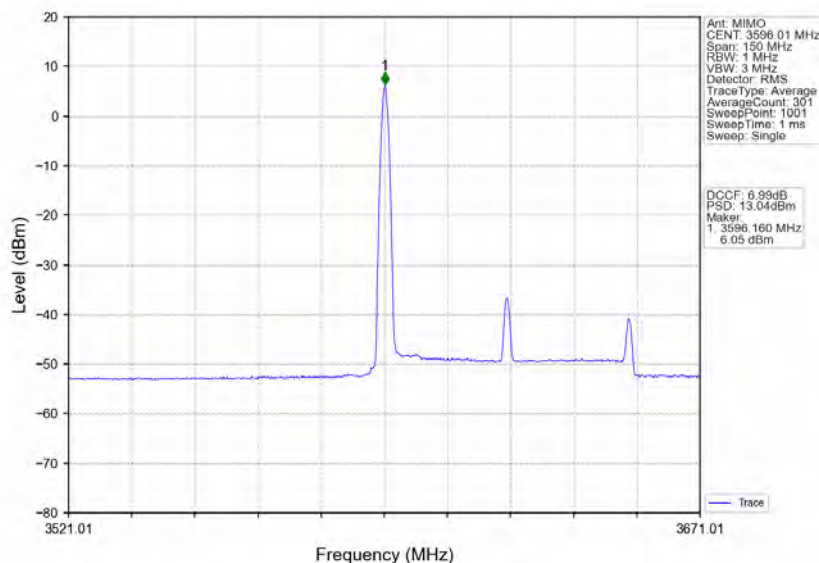
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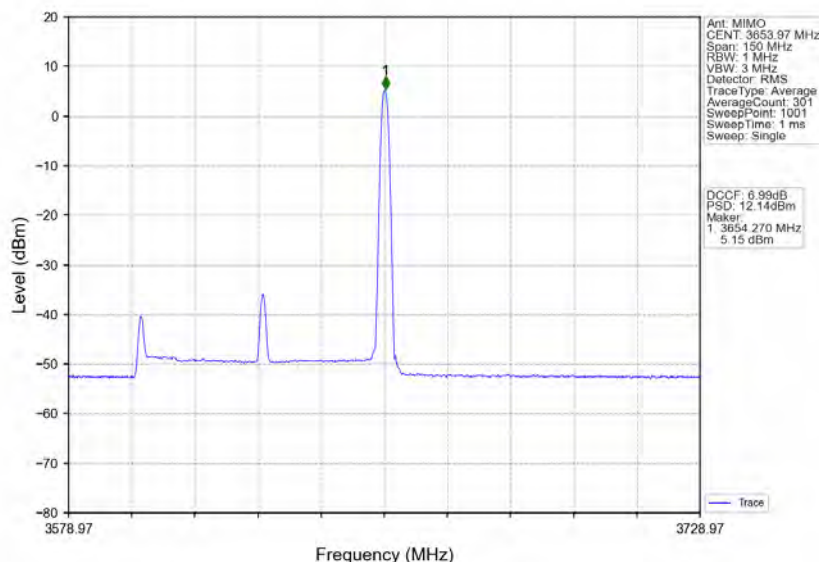
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n78d_30kHz_MIMO_NTNV_60MHz_CP-OFDM_256_QAM_3624.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_60MHz_CP-OFDM_256_QAM_3624.99MHz_Edge_1RB_Right



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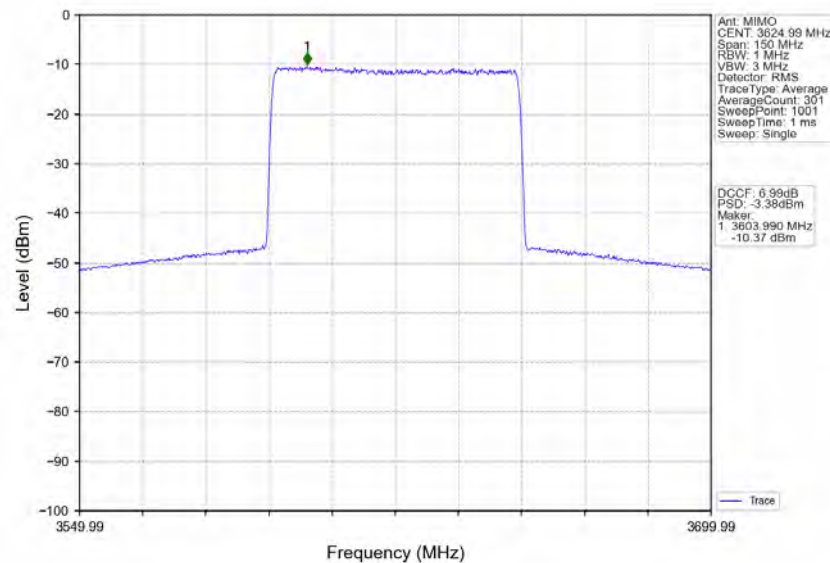
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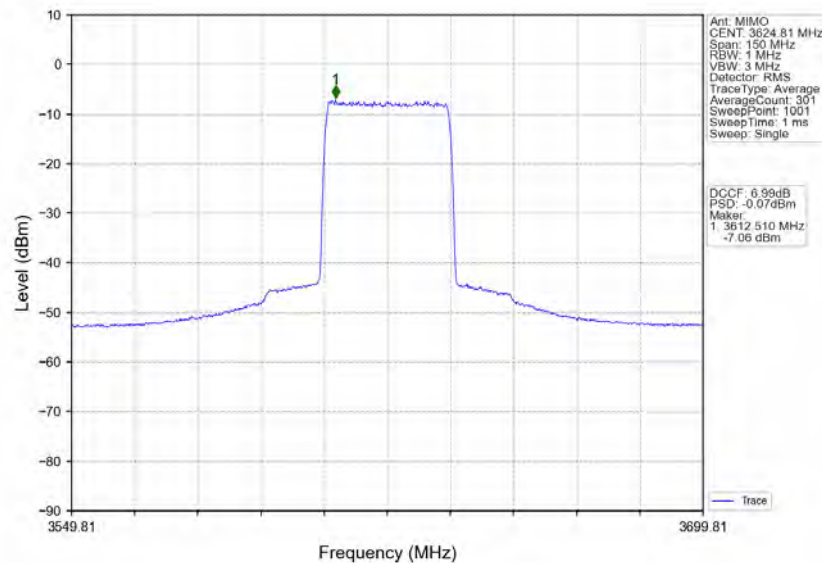
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n78d_30kHz_MIMO_NTNV_60MHz_CP-OFDM_256_QAM_3624.99MHz_Inner_Full



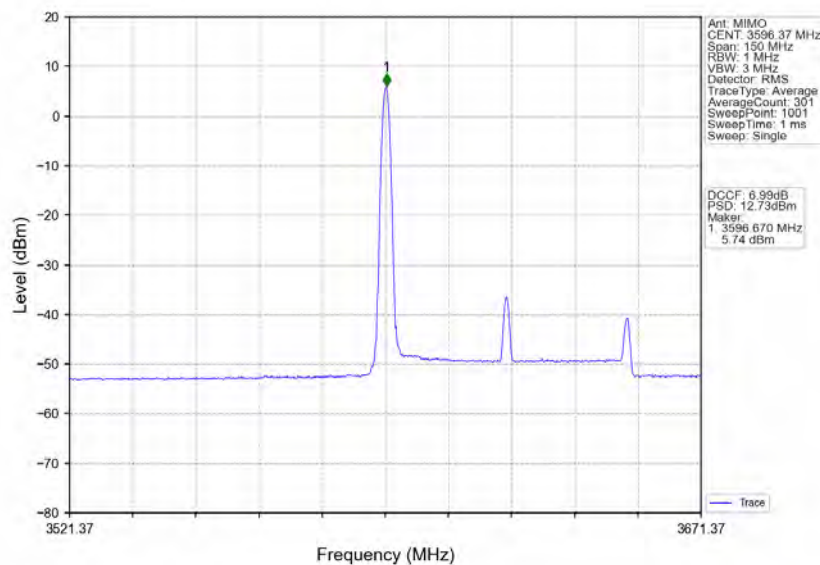
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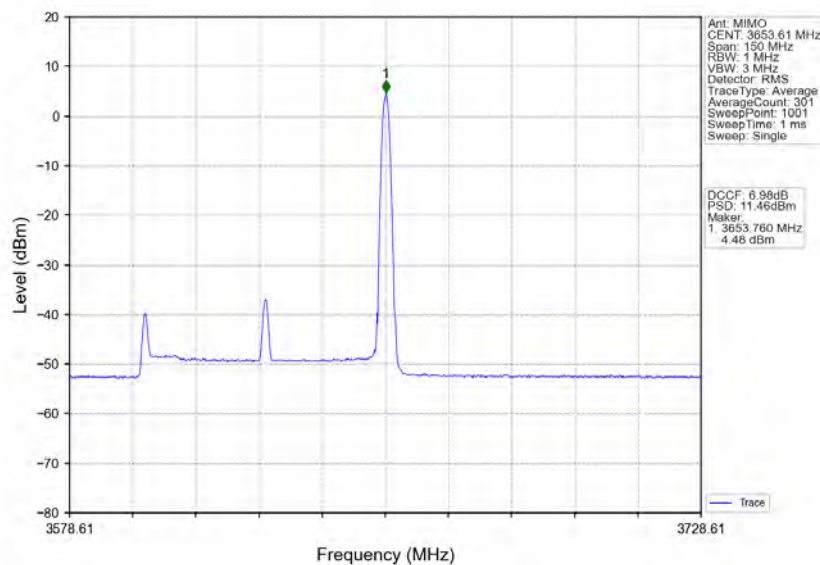
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n78d_30kHz_MIMO_NTNV_60MHz_CP-OFDM_256_QAM_3624.99MHz_Inner_1RB_Right



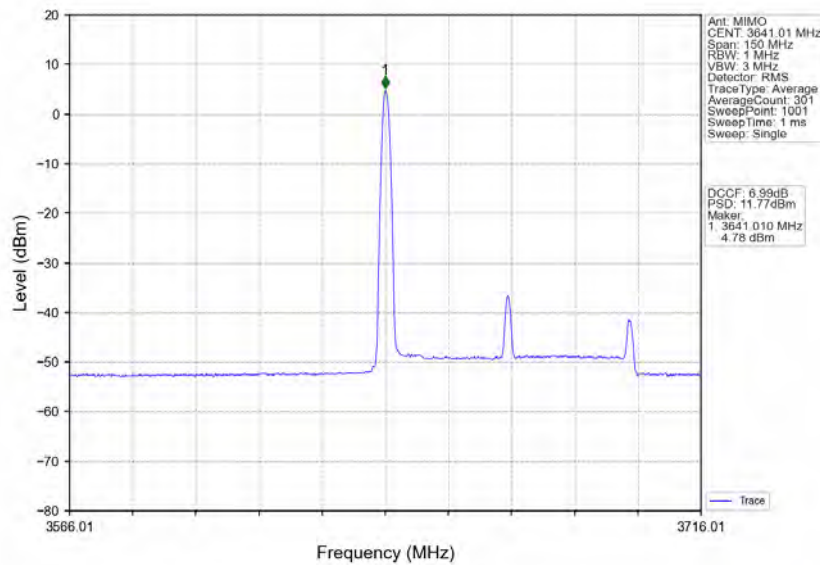
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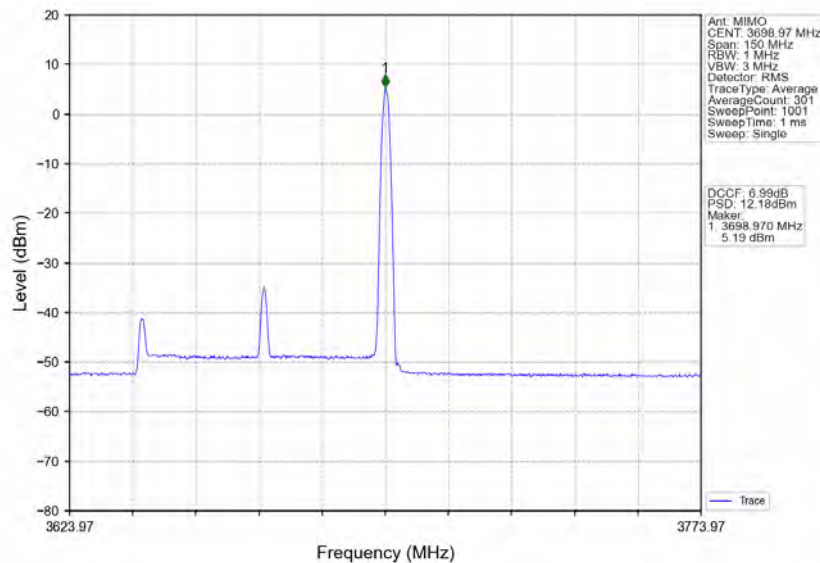
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n78d_30kHz_MIMO_NTNV_60MHz_CP-OFDM_256_QAM_3669.99MHz_Edge_1RB_Right



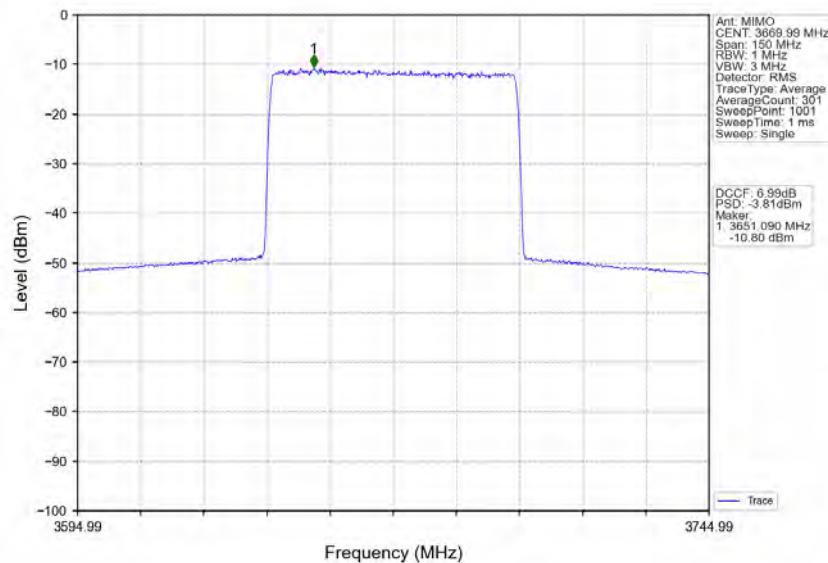
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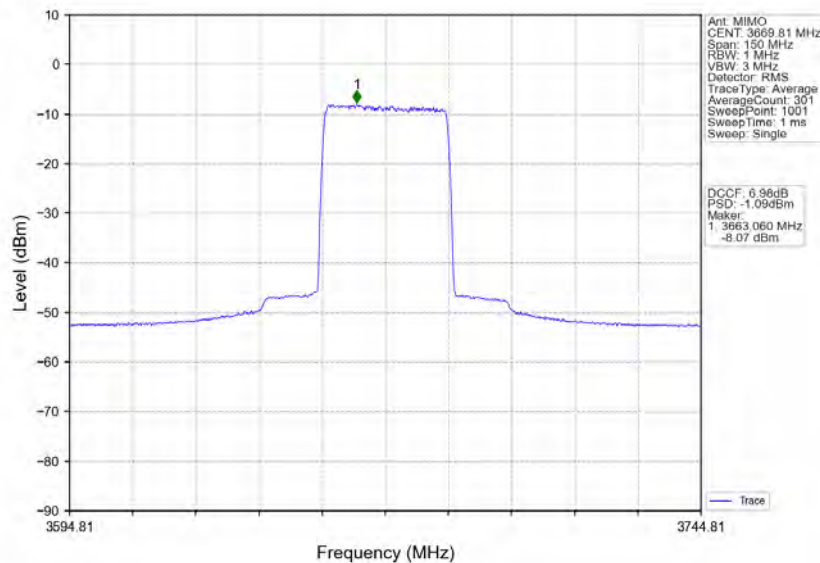
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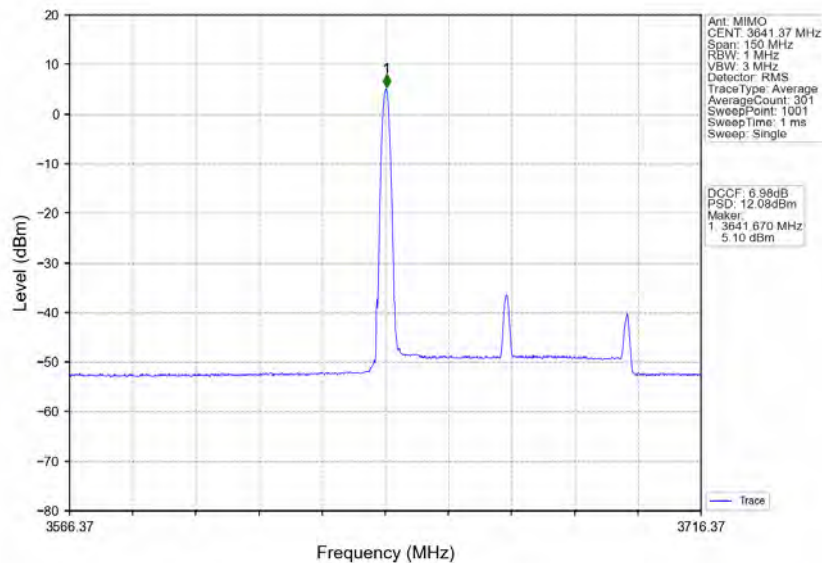
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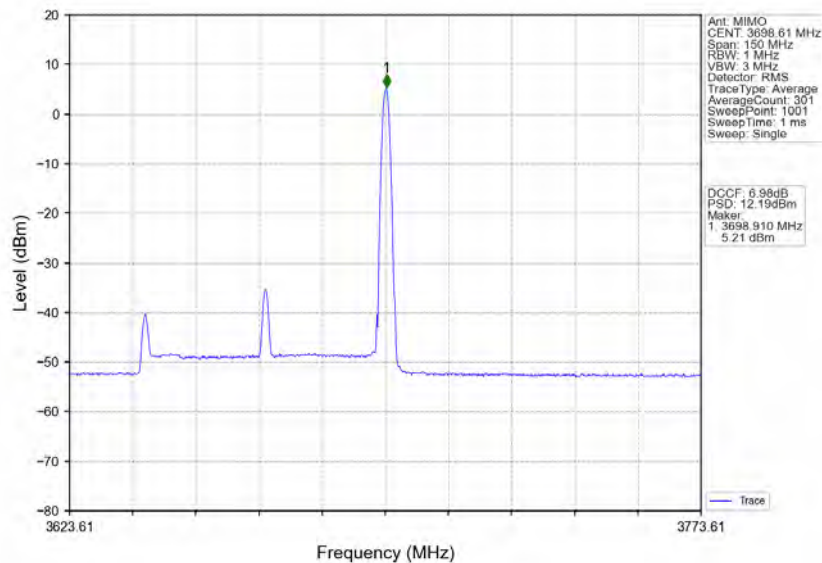
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2.22 30k_MIMO_70MHz_NTNV_EIRP

2.22.1 Test Result

5G NR n78d SCS=30kHz MIMO 70MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3585	Edge 1RB Left	10.40	10.30	13.36	15.30	16.10	18.73	-	Pass
		Edge 1RB Right	10.19	10.75	13.49	15.09	16.55	18.89	-	Pass
		Outer Full	10.27	10.41	13.35	15.17	16.21	18.73	-	Pass
		Inner Full	10.27	10.41	13.35	15.17	16.21	18.73	-	Pass
		Inner 1RB Left	10.33	10.25	13.30	15.23	16.05	18.67	-	Pass
		Inner 1RB Right	10.18	10.74	13.48	15.08	16.54	18.88	-	Pass
	3624.99	Edge 1RB Left	10.49	10.64	13.57	15.39	16.44	18.96	-	Pass
		Edge 1RB Right	10.07	10.52	13.31	14.97	16.32	18.71	-	Pass
		Outer Full	10.30	10.74	13.53	15.20	16.54	18.93	-	Pass
		Inner Full	10.38	10.85	13.63	15.28	16.65	19.03	-	Pass
		Inner 1RB Left	10.53	10.52	13.53	15.43	16.32	18.91	-	Pass
		Inner 1RB Right	9.90	10.57	13.26	14.80	16.37	18.67	-	Pass
	3664.98	Edge 1RB Left	10.35	10.77	13.58	15.25	16.57	18.97	-	Pass
		Edge 1RB Right	10.02	10.47	13.26	14.92	16.27	18.66	-	Pass
		Outer Full	10.12	10.64	13.40	15.02	16.44	18.80	-	Pass
		Inner Full	10.12	10.64	13.40	15.02	16.44	18.80	-	Pass
		Inner 1RB Left	10.43	10.76	13.61	15.33	16.56	19.00	-	Pass
		Inner 1RB Right	10.08	10.64	13.38	14.98	16.44	18.78	-	Pass
CP-OFDM 16 QAM	3585	Edge 1RB Left	10.07	10.32	13.21	14.97	16.12	18.59	-	Pass
		Edge 1RB Right	9.94	10.76	13.38	14.84	16.56	18.79	-	Pass
		Outer Full	10.32	10.35	13.34	15.22	16.15	18.72	-	Pass
		Inner Full	10.33	10.38	13.37	15.23	16.18	18.74	-	Pass
		Inner 1RB Left	10.07	10.38	13.24	14.97	16.18	18.63	-	Pass
		Inner 1RB Right	10.00	10.73	13.39	14.90	16.53	18.80	-	Pass
	3624.99	Edge 1RB Left	10.28	10.44	13.37	15.18	16.24	18.75	-	Pass
		Edge 1RB Right	9.65	10.67	13.20	14.55	16.47	18.63	-	Pass
		Outer Full	10.37	10.69	13.54	15.27	16.49	18.93	-	Pass
		Inner Full	10.40	10.85	13.64	15.30	16.65	19.04	-	Pass
		Inner 1RB Left	10.20	10.67	13.45	15.10	16.47	18.85	-	Pass
		Inner 1RB Right	9.77	10.60	13.21	14.67	16.40	18.63	-	Pass
	3664.98	Edge 1RB Left	10.10	10.82	13.48	15.00	16.62	18.90	-	Pass
		Edge 1RB Right	9.87	10.47	13.19	14.77	16.27	18.59	-	Pass
		Outer Full	10.13	10.61	13.39	15.03	16.41	18.78	-	Pass
		Inner Full	10.15	10.66	13.43	15.05	16.46	18.82	-	Pass
		Inner 1RB Left	10.05	10.92	13.52	14.95	16.72	18.93	-	Pass
		Inner 1RB Right	9.92	10.44	13.20	14.82	16.24	18.60	-	Pass
CP-OFDM 64 QAM	3585	Edge 1RB Left	10.28	10.48	13.39	15.18	16.28	18.78	-	Pass
		Edge 1RB Right	10.12	10.93	13.56	15.02	16.73	18.97	-	Pass
		Outer Full	10.30	10.40	13.36	15.20	16.20	18.74	-	Pass
		Inner Full	10.35	10.34	13.35	15.25	16.14	18.73	-	Pass
		Inner 1RB Left	10.25	10.57	13.42	15.15	16.37	18.81	-	Pass
		Inner 1RB Right	10.17	10.96	13.59	15.07	16.76	19.01	-	Pass
	3624.99	Edge 1RB Left	10.44	10.75	13.61	15.34	16.55	19.00	-	Pass
		Edge 1RB Right	9.85	10.66	13.29	14.75	16.46	18.70	-	Pass



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CP-OFDM 256 QAM		Outer_Full	10.27	10.63	13.46	15.17	16.43	18.86	-	Pass
		Inner_Full	10.33	10.74	13.55	15.23	16.54	18.94	-	Pass
		Inner_1RB_Left	10.48	10.77	13.64	15.38	16.57	19.03	-	Pass
		Inner_1RB_Right	9.85	10.72	13.32	14.75	16.52	18.73	-	Pass
	3664.98	Edge_1RB_Left	10.20	10.99	13.62	15.10	16.79	19.04	-	Pass
		Edge_1RB_Right	10.00	10.59	13.32	14.90	16.39	18.72	-	Pass
		Outer_Full	10.08	10.63	13.37	14.98	16.43	18.78	-	Pass
		Inner_Full	10.06	10.67	13.39	14.96	16.47	18.79	-	Pass
		Inner_1RB_Left	10.28	10.96	13.64	15.18	16.76	19.05	-	Pass
		Inner_1RB_Right	10.02	10.75	13.41	14.92	16.55	18.82	-	Pass
	3585	Edge_1RB_Left	10.54	10.29	13.43	15.44	16.09	18.79	-	Pass
		Edge_1RB_Right	10.41	10.72	13.58	15.31	16.52	18.97	-	Pass
		Outer_Full	10.31	10.41	13.37	15.21	16.21	18.75	-	Pass
		Inner_Full	10.37	10.38	13.39	15.27	16.18	18.76	-	Pass
		Inner_1RB_Left	10.54	10.24	13.40	15.44	16.04	18.76	-	Pass
		Inner_1RB_Right	10.44	10.73	13.60	15.34	16.53	18.99	-	Pass
	3624.99	Edge_1RB_Left	10.55	10.51	13.54	15.45	16.31	18.91	-	Pass
		Edge_1RB_Right	10.02	10.39	13.22	14.92	16.19	18.61	-	Pass
		Outer_Full	10.24	10.69	13.48	15.14	16.49	18.88	-	Pass
		Inner_Full	10.38	10.77	13.59	15.28	16.57	18.98	-	Pass
		Inner_1RB_Left	10.58	10.47	13.53	15.48	16.27	18.90	-	Pass
		Inner_1RB_Right	10.12	10.40	13.27	15.02	16.20	18.66	-	Pass
	3664.98	Edge_1RB_Left	10.43	10.74	13.60	15.33	16.54	18.99	-	Pass
		Edge_1RB_Right	10.25	10.39	13.33	15.15	16.19	18.71	-	Pass
		Outer_Full	10.09	10.66	13.40	14.99	16.46	18.80	-	Pass
		Inner_Full	10.07	10.62	13.36	14.97	16.42	18.77	-	Pass
		Inner_1RB_Left	10.43	10.72	13.59	15.33	16.52	18.98	-	Pass
		Inner_1RB_Right	10.31	10.40	13.37	15.21	16.20	18.74	-	Pass

Note1: Antenna Gain: Ant1: 4.90dBi; Ant2: 5.80dBi;
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

2.23 30k_MIMO_70MHz_NTNV_EIRP/10MHz

2.23.1 Test Result

5G NR n78d SCS=30kHz MIMO 70MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3585	Edge_1RB_Left	10.07	9.14	12.64	14.97	14.94	17.97	<=30	Pass
		Edge_1RB_Right	9.40	10.04	12.74	14.30	15.84	18.15	<=30	Pass
		Outer_Full	1.98	2.13	5.07	6.88	7.93	10.45	<=30	Pass
		Inner_Full	3.26	4.14	6.73	8.16	9.94	12.15	<=30	Pass
		Inner_1RB_Left	11.06	8.23	12.88	15.96	14.03	18.11	<=30	Pass
		Inner_1RB_Right	9.09	10.40	12.80	13.99	16.20	18.24	<=30	Pass
	3624.99	Edge_1RB_Left	9.59	9.97	12.79	14.49	15.77	18.19	<=30	Pass
		Edge_1RB_Right	8.57	9.35	11.99	13.47	15.15	17.40	<=30	Pass
		Outer_Full	0.25	1.25	3.79	5.15	7.05	9.21	<=30	Pass
		Inner_Full	4.07	4.69	7.40	8.97	10.49	12.81	<=30	Pass
		Inner_1RB_Left	9.99	10.17	13.09	14.89	15.97	18.47	<=30	Pass
		Inner_1RB_Right	8.82	9.73	12.31	13.72	15.53	17.73	<=30	Pass
	3664.98	Edge_1RB_Left	9.23	9.79	12.53	14.13	15.59	17.93	<=30	Pass



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CP-OFDM 16 QAM		Edge 1RB Right	9.74	9.53	12.65	14.64	15.33	18.01	<=30	Pass
		Outer Full	0.96	0.81	3.90	5.86	6.61	9.26	<=30	Pass
		Inner Full	3.52	3.75	6.65	8.42	9.55	12.03	<=30	Pass
		Inner 1RB Left	8.97	9.35	12.17	13.87	15.15	17.57	<=30	Pass
		Inner 1RB Right	9.31	9.76	12.55	14.21	15.56	17.95	<=30	Pass
	3585	Edge 1RB Left	9.99	9.85	12.93	14.89	15.65	18.30	<=30	Pass
		Edge 1RB Right	9.44	10.02	12.75	14.34	15.82	18.15	<=30	Pass
		Outer Full	2.40	1.13	4.82	7.30	6.93	10.13	<=30	Pass
		Inner Full	3.99	2.69	6.40	8.89	8.49	11.70	<=30	Pass
		Inner 1RB Left	8.42	12.19	13.71	13.32	17.99	19.26	<=30	Pass
		Inner 1RB Right	9.61	8.65	12.17	14.51	14.45	17.49	<=30	Pass
	3624.99	Edge 1RB Left	9.96	10.82	13.42	14.86	16.62	18.84	<=30	Pass
		Edge 1RB Right	8.80	8.95	11.89	13.70	14.75	17.27	<=30	Pass
		Outer Full	0.97	1.10	4.05	5.87	6.90	9.43	<=30	Pass
		Inner Full	3.79	4.32	7.07	8.69	10.12	12.47	<=30	Pass
		Inner 1RB Left	9.48	10.56	13.06	14.38	16.36	18.49	<=30	Pass
	3664.98	Inner 1RB Right	8.71	9.47	12.12	13.61	15.27	17.53	<=30	Pass
		Edge 1RB Left	8.21	9.99	12.20	13.11	15.79	17.66	<=30	Pass
		Edge 1RB Right	8.76	10.00	12.43	13.66	15.80	17.87	<=30	Pass
		Outer Full	0.65	0.88	3.78	5.55	6.68	9.16	<=30	Pass
		Inner Full	4.12	3.94	7.04	9.02	9.74	12.41	<=30	Pass
CP-OFDM 64 QAM		Inner 1RB Left	9.06	10.00	12.57	13.96	15.80	17.99	<=30	Pass
		Inner 1RB Right	9.20	9.19	12.21	14.10	14.99	17.58	<=30	Pass
	3585	Edge 1RB Left	7.11	9.50	11.48	12.01	15.30	16.97	<=30	Pass
		Edge 1RB Right	8.92	8.31	11.64	13.82	14.11	16.98	<=30	Pass
		Outer Full	0.75	-0.35	3.25	5.65	5.45	8.56	<=30	Pass
		Inner Full	3.67	3.90	6.80	8.57	9.70	12.18	<=30	Pass
		Inner 1RB Left	9.32	9.82	12.59	14.22	15.62	17.99	<=30	Pass
	3624.99	Inner 1RB Right	8.94	10.19	12.62	13.84	15.99	18.06	<=30	Pass
		Edge 1RB Left	9.02	10.82	13.02	13.92	16.62	18.49	<=30	Pass
		Edge 1RB Right	7.97	9.65	11.90	12.87	15.45	17.36	<=30	Pass
		Outer Full	0.95	0.68	3.83	5.85	6.48	9.19	<=30	Pass
		Inner Full	3.57	3.99	6.80	8.47	9.79	12.19	<=30	Pass
	3664.98	Inner 1RB Left	8.79	9.48	12.16	13.69	15.28	17.57	<=30	Pass
		Inner 1RB Right	9.24	9.84	12.56	14.14	15.64	17.96	<=30	Pass
		Edge 1RB Left	8.69	10.40	12.64	13.59	16.20	18.10	<=30	Pass
		Edge 1RB Right	8.96	9.66	12.33	13.86	15.46	17.74	<=30	Pass
		Outer Full	0.85	0.86	3.87	5.75	6.66	9.24	<=30	Pass
CP-OFDM 256 QAM		Inner Full	3.78	3.92	6.86	8.68	9.72	12.24	<=30	Pass
		Inner 1RB Left	9.19	9.06	12.14	14.09	14.86	17.50	<=30	Pass
		Inner 1RB Right	8.86	9.89	12.42	13.76	15.69	17.84	<=30	Pass
	3585	Edge 1RB Left	9.14	7.26	11.31	14.04	13.06	16.59	<=30	Pass
		Edge 1RB Right	9.50	9.39	12.46	14.40	15.19	17.82	<=30	Pass
		Outer Full	-0.67	1.43	3.52	4.23	7.23	8.99	<=30	Pass
		Inner Full	4.30	3.91	7.12	9.20	9.71	12.47	<=30	Pass
		Inner 1RB Left	8.47	9.53	12.04	13.37	15.33	17.47	<=30	Pass
	3624.99	Inner 1RB Right	10.16	10.33	13.26	15.06	16.13	18.64	<=30	Pass
		Edge 1RB Left	10.00	10.48	13.26	14.90	16.28	18.65	<=30	Pass
		Edge 1RB Right	8.63	9.72	12.22	13.53	15.52	17.65	<=30	Pass
		Outer Full	1.38	1.53	4.47	6.28	7.33	9.85	<=30	Pass
		Inner Full	3.63	4.00	6.83	8.53	9.80	12.22	<=30	Pass
	3664.98	Inner 1RB Left	9.94	10.28	13.12	14.84	16.08	18.51	<=30	Pass
		Inner 1RB Right	9.32	9.91	12.64	14.22	15.71	18.04	<=30	Pass
		Edge 1RB Left	8.85	9.18	12.03	13.75	14.98	17.42	<=30	Pass

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	Edge_1RB_Right	9.34	9.78	12.58	14.24	15.58	17.97	<=30	Pass
	Outer_Full	0.23	1.34	3.83	5.13	7.14	9.26	<=30	Pass
	Inner_Full	3.93	4.13	7.04	8.83	9.93	12.43	<=30	Pass
	Inner_1RB_Left	9.93	9.37	12.67	14.83	15.17	18.01	<=30	Pass
	Inner_1RB_Right	9.20	8.46	11.86	14.10	14.26	17.19	<=30	Pass

Note1: Antenna Gain: Ant1: 4.90dBi; Ant2: 5.80dBi;
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

2.24 30k_MIMO_70MHz_NTNV_PSD

2.24.1 Test Result

5G NR n78d SCS=30kHz MIMO 70MHz 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	3585	Edge_1RB_Left	10.07	9.14	12.91	14.97	14.94	18.71	<=20	Pass
		Edge_1RB_Right	9.40	10.04	13.36	14.30	15.84	19.16	<=20	Pass
		Outer_Full	1.98	2.13	-3.54	6.88	7.93	2.26	<=20	Pass
		Inner_Full	3.26	4.14	-1.05	8.16	9.94	4.75	<=20	Pass
		Inner_1RB_Left	11.06	8.23	13.12	15.96	14.03	18.92	<=20	Pass
		Inner_1RB_Right	9.09	10.40	12.71	13.99	16.20	18.51	<=20	Pass
	3624.99	Edge_1RB_Left	9.59	9.97	12.67	14.49	15.77	18.47	<=20	Pass
		Edge_1RB_Right	8.57	9.35	12.09	13.47	15.15	17.89	<=20	Pass
		Outer_Full	0.25	1.25	-3.72	5.15	7.05	2.08	<=20	Pass
		Inner_Full	4.07	4.69	-1.09	8.97	10.49	4.71	<=20	Pass
		Inner_1RB_Left	9.99	10.17	11.68	14.89	15.97	17.48	<=20	Pass
		Inner_1RB_Right	8.82	9.73	12.41	13.72	15.53	18.21	<=20	Pass
	3664.98	Edge_1RB_Left	9.23	9.79	12.46	14.13	15.59	18.26	<=20	Pass
		Edge_1RB_Right	9.74	9.53	11.77	14.64	15.33	17.57	<=20	Pass
		Outer_Full	0.96	0.81	-4.61	5.86	6.61	1.19	<=20	Pass
		Inner_Full	3.52	3.75	-1.67	8.42	9.55	4.13	<=20	Pass
		Inner_1RB_Left	8.97	9.35	11.92	13.87	15.15	17.72	<=20	Pass
		Inner_1RB_Right	9.31	9.76	11.25	14.21	15.56	17.05	<=20	Pass
CP-OFDM 16 QAM	3585	Edge_1RB_Left	9.99	9.85	11.88	14.89	15.65	17.68	<=20	Pass
		Edge_1RB_Right	9.44	10.02	12.46	14.34	15.82	18.26	<=20	Pass
		Outer_Full	2.40	1.13	-3.38	7.30	6.93	2.42	<=20	Pass
		Inner_Full	3.99	2.69	-0.88	8.89	8.49	4.92	<=20	Pass
		Inner_1RB_Left	8.42	12.19	13.56	13.32	17.99	19.36	<=20	Pass
		Inner_1RB_Right	9.61	8.65	12.89	14.51	14.45	18.69	<=20	Pass
	3624.99	Edge_1RB_Left	9.96	10.82	12.58	14.86	16.62	18.38	<=20	Pass
		Edge_1RB_Right	8.80	8.95	12.25	13.70	14.75	18.05	<=20	Pass
		Outer_Full	0.97	1.10	-3.92	5.87	6.90	1.88	<=20	Pass
		Inner_Full	3.79	4.32	-0.44	8.69	10.12	5.36	<=20	Pass
		Inner_1RB_Left	9.48	10.56	12.67	14.38	16.36	18.47	<=20	Pass
		Inner_1RB_Right	8.71	9.47	11.69	13.61	15.27	17.49	<=20	Pass
	3664.98	Edge_1RB_Left	8.21	9.99	11.89	13.11	15.79	17.69	<=20	Pass
		Edge_1RB_Right	8.76	10.00	13.17	13.66	15.80	18.97	<=20	Pass
		Outer_Full	0.65	0.88	-5.32	5.55	6.68	0.48	<=20	Pass
		Inner_Full	4.12	3.94	-2.40	9.02	9.74	3.40	<=20	Pass
		Inner_1RB_Left	9.06	10.00	12.96	13.96	15.80	18.76	<=20	Pass
		Inner_1RB_Right	9.20	9.19	12.16	14.10	14.99	17.96	<=20	Pass



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CP-OFDM 64 QAM	3585	Edge 1RB Left	7.11	9.50	12.18	12.01	15.30	17.98	<=20	Pass
		Edge 1RB Right	8.92	8.31	13.78	13.82	14.11	19.58	<=20	Pass
		Outer Full	0.75	-0.35	-3.48	5.65	5.45	2.32	<=20	Pass
		Inner Full	3.67	3.90	-1.24	8.57	9.70	4.56	<=20	Pass
		Inner 1RB Left	9.32	9.82	13.94	14.22	15.62	19.74	<=20	Pass
		Inner 1RB Right	8.94	10.19	12.16	13.84	15.99	17.96	<=20	Pass
	3624.99	Edge 1RB Left	9.02	10.82	12.33	13.92	16.62	18.13	<=20	Pass
		Edge 1RB Right	7.97	9.65	13.66	12.87	15.45	19.46	<=20	Pass
		Outer Full	0.95	0.68	-3.48	5.85	6.48	2.32	<=20	Pass
		Inner Full	3.57	3.99	-1.54	8.47	9.79	4.26	<=20	Pass
		Inner 1RB Left	8.79	9.48	12.28	13.69	15.28	18.08	<=20	Pass
		Inner 1RB Right	9.24	9.84	13.60	14.14	15.64	19.40	<=20	Pass
	3664.98	Edge 1RB Left	8.69	10.40	12.32	13.59	16.20	18.12	<=20	Pass
		Edge 1RB Right	8.96	9.66	12.34	13.86	15.46	18.14	<=20	Pass
		Outer Full	0.85	0.86	-4.58	5.75	6.66	1.22	<=20	Pass
		Inner Full	3.78	3.92	-2.75	8.68	9.72	3.05	<=20	Pass
		Inner 1RB Left	9.19	9.06	12.25	14.09	14.86	18.05	<=20	Pass
		Inner 1RB Right	8.86	9.89	11.61	13.76	15.69	17.41	<=20	Pass
CP-OFDM 256 QAM	3585	Edge 1RB Left	9.14	7.26	13.91	14.04	13.06	19.71	<=20	Pass
		Edge 1RB Right	9.50	9.39	11.45	14.40	15.19	17.25	<=20	Pass
		Outer Full	-0.67	1.43	-4.15	4.23	7.23	1.65	<=20	Pass
		Inner Full	4.30	3.91	-1.01	9.20	9.71	4.79	<=20	Pass
		Inner 1RB Left	8.47	9.53	12.60	13.37	15.33	18.40	<=20	Pass
		Inner 1RB Right	10.16	10.33	13.27	15.06	16.13	19.07	<=20	Pass
	3624.99	Edge 1RB Left	10.00	10.48	13.33	14.90	16.28	19.13	<=20	Pass
		Edge 1RB Right	8.63	9.72	12.25	13.53	15.52	18.05	<=20	Pass
		Outer Full	1.38	1.53	-4.32	6.28	7.33	1.48	<=20	Pass
		Inner Full	3.63	4.00	-1.39	8.53	9.80	4.41	<=20	Pass
		Inner 1RB Left	9.94	10.28	13.52	14.84	16.08	19.32	<=20	Pass
		Inner 1RB Right	9.32	9.91	11.95	14.22	15.71	17.75	<=20	Pass
	3664.98	Edge 1RB Left	8.85	9.18	12.00	13.75	14.98	17.80	<=20	Pass
		Edge 1RB Right	9.34	9.78	11.06	14.24	15.58	16.86	<=20	Pass
		Outer Full	0.23	1.34	-4.50	5.13	7.14	1.30	<=20	Pass
		Inner Full	3.93	4.13	-1.47	8.83	9.93	4.33	<=20	Pass
		Inner 1RB Left	9.93	9.37	12.52	14.83	15.17	18.32	<=20	Pass
		Inner 1RB Right	9.20	8.46	11.27	14.10	14.26	17.07	<=20	Pass

Note1: Antenna Gain: Ant1: 4.90dBi; Ant2: 5.80dBi;
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2



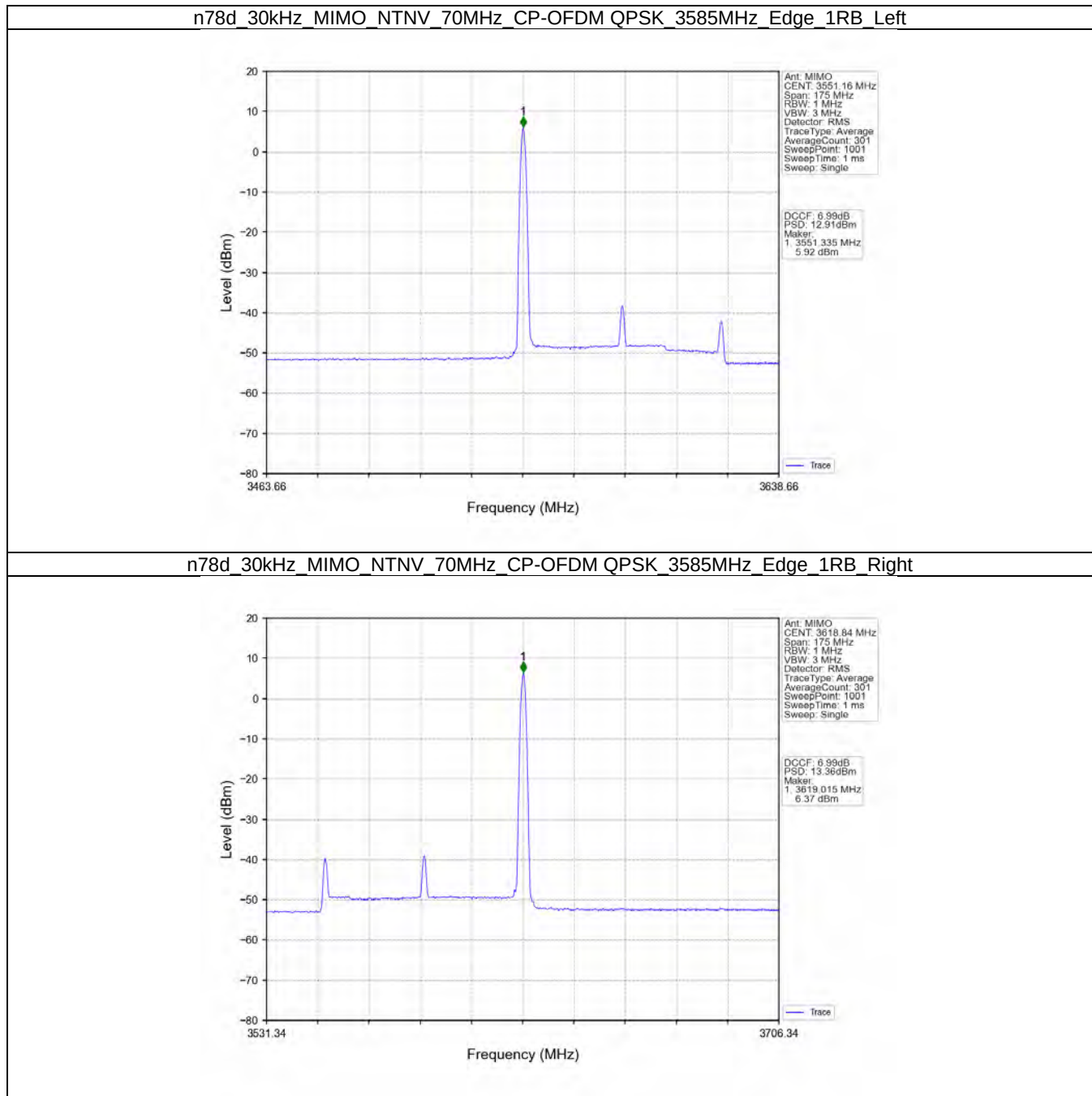
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2.24.2 Test Graph



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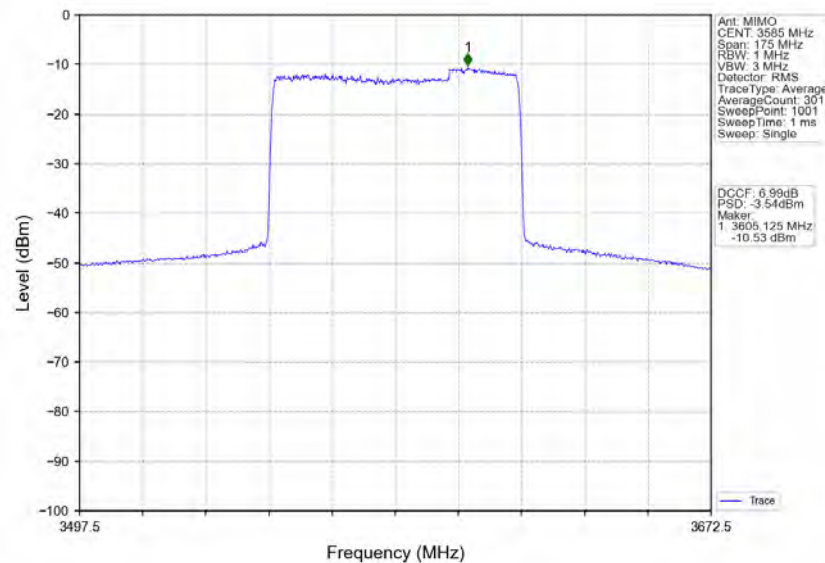
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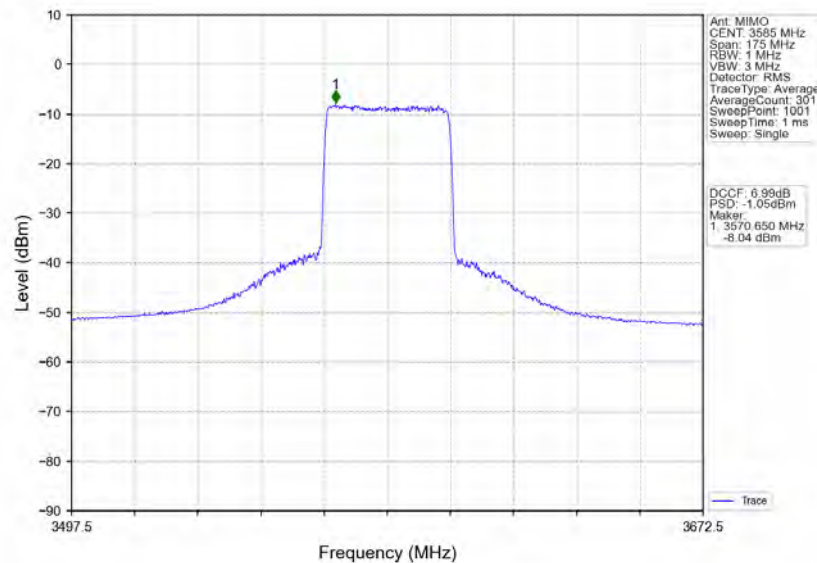
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n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM_QPSK_3585MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM_QPSK_3585MHz_Inner_Full



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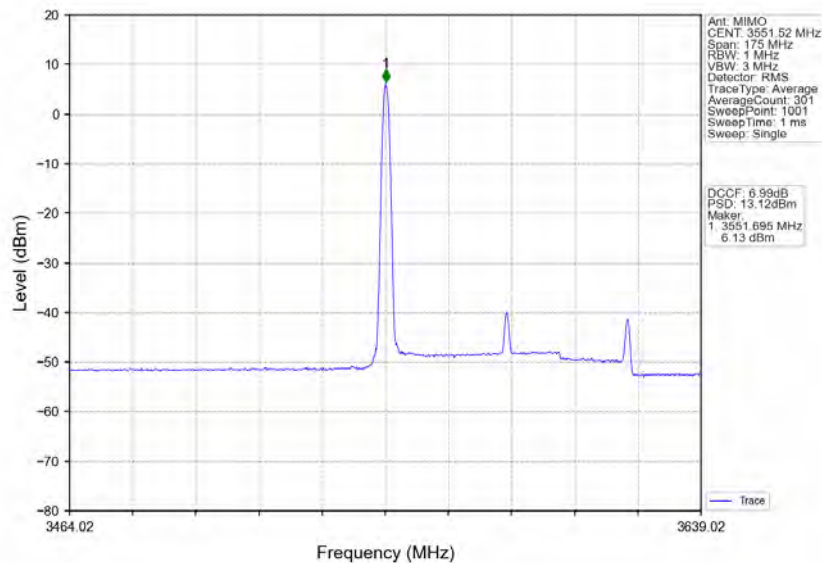
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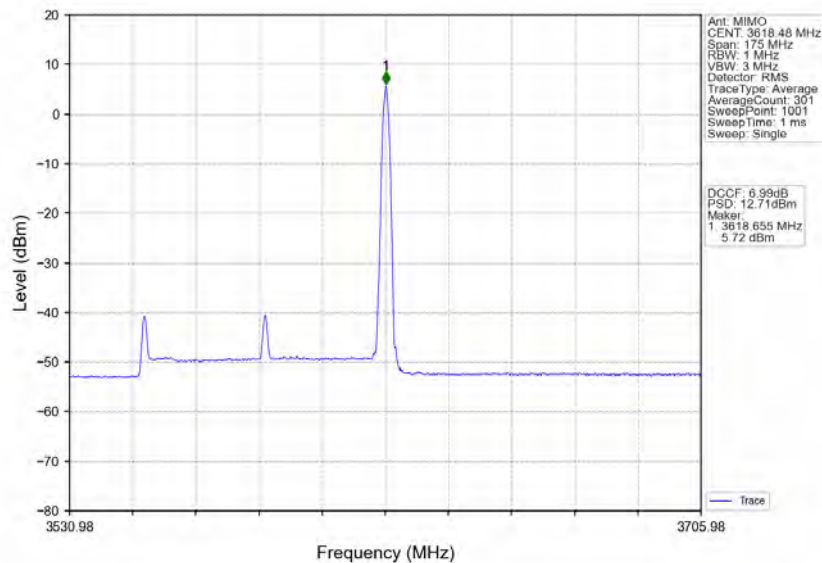
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n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM QPSK_3585MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM QPSK_3585MHz_Inner_1RB_Right



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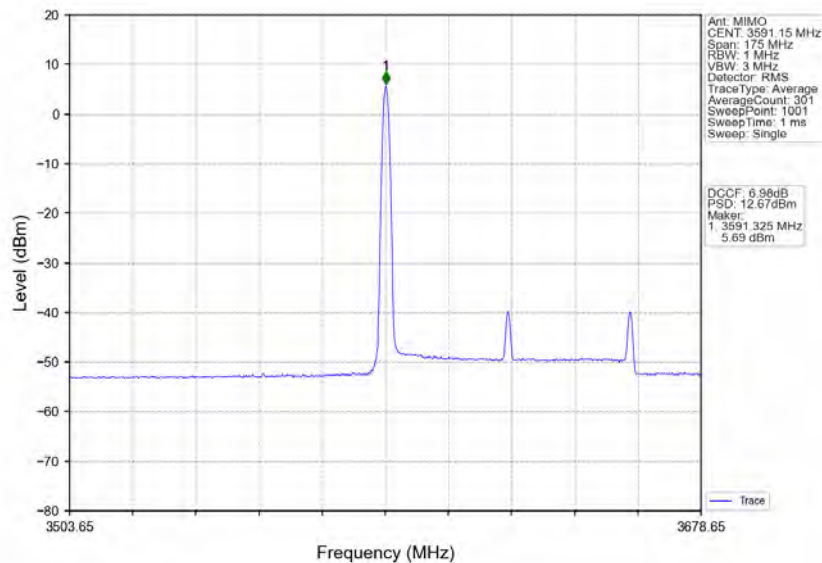
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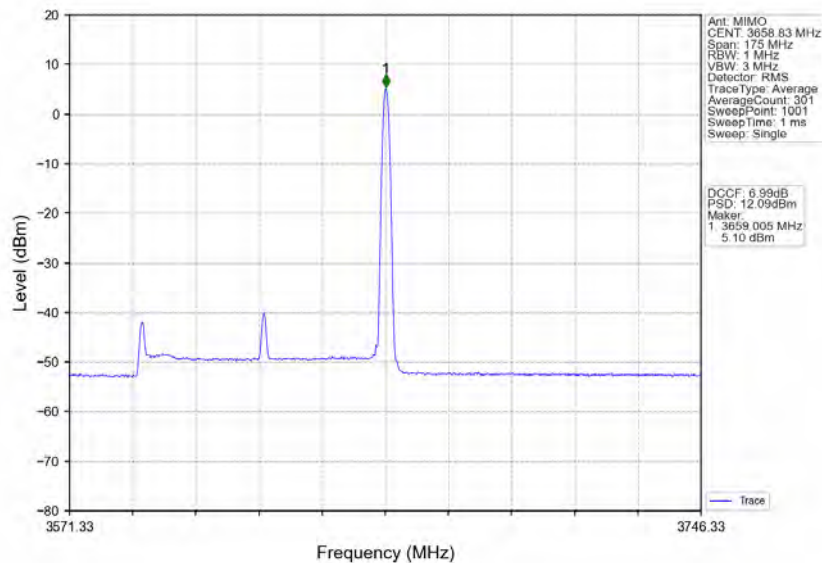
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n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM QPSK_3624.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM QPSK_3624.99MHz_Edge_1RB_Right



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