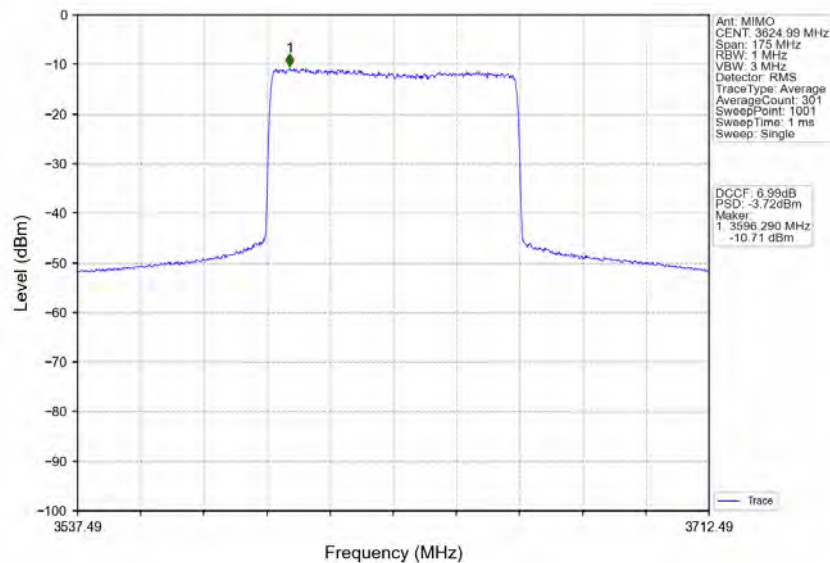
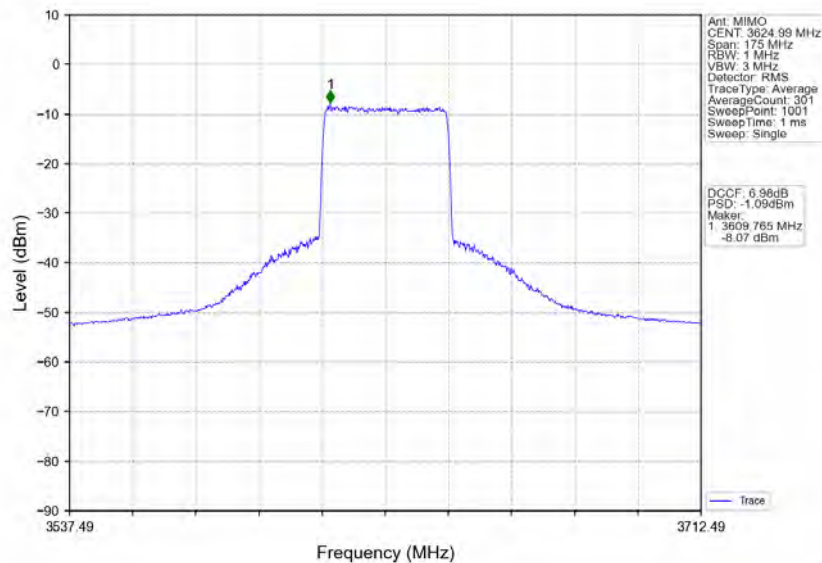


n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM QPSK_3624.99MHz_Inner_Full



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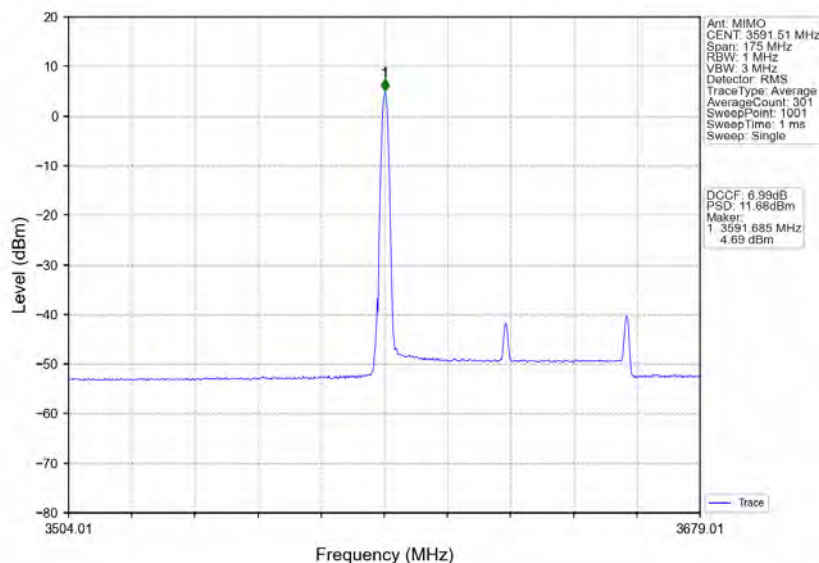
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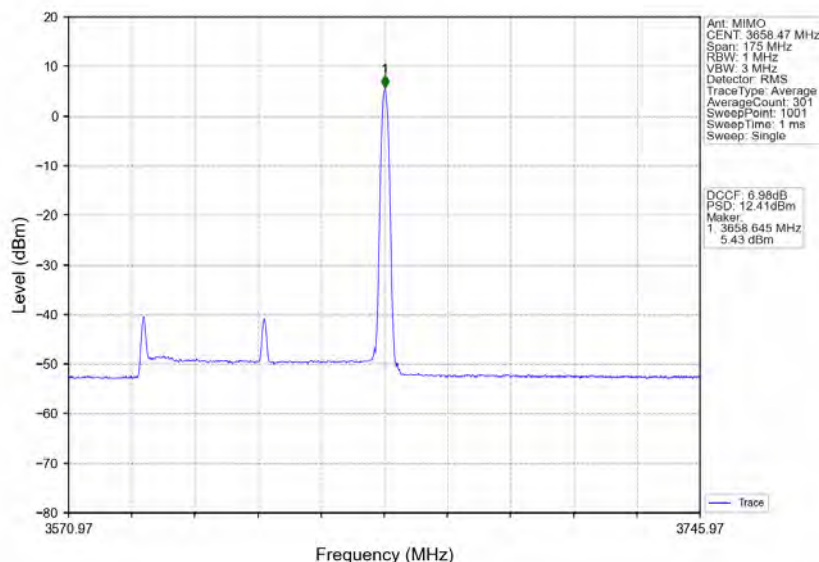
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n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM_QPSK_3624.99MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM_QPSK_3624.99MHz_Inner_1RB_Right



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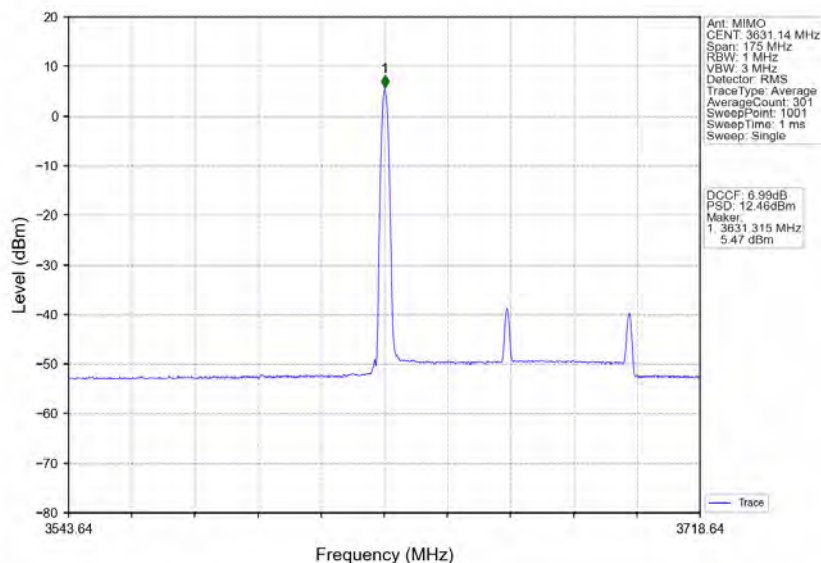
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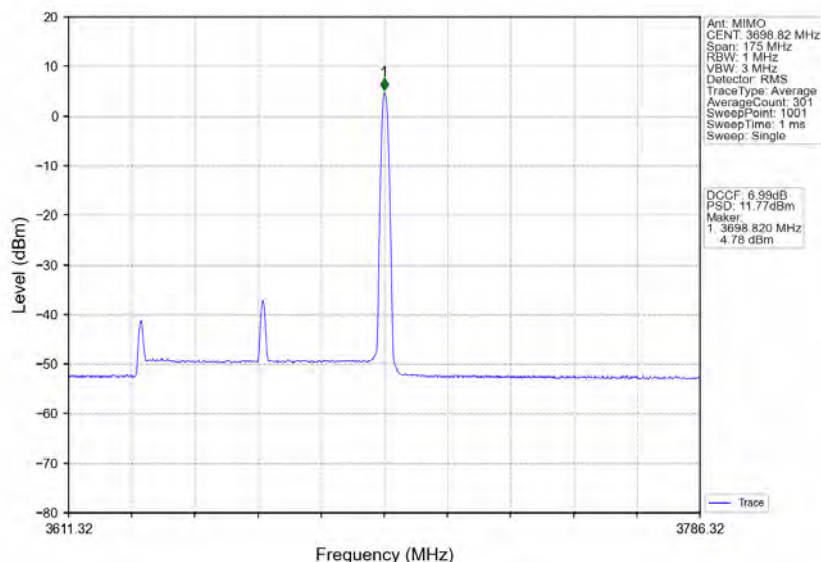
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n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM_QPSK_3664.98MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM_QPSK_3664.98MHz_Edge_1RB_Right



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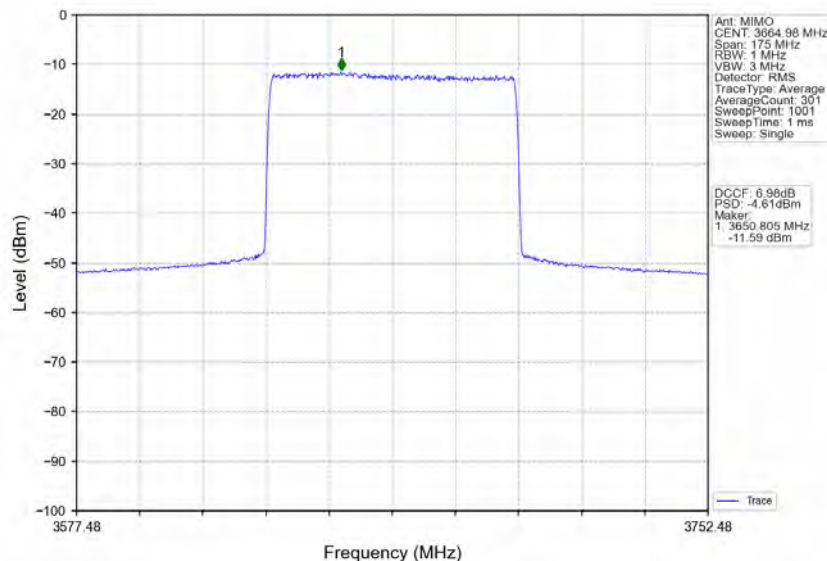
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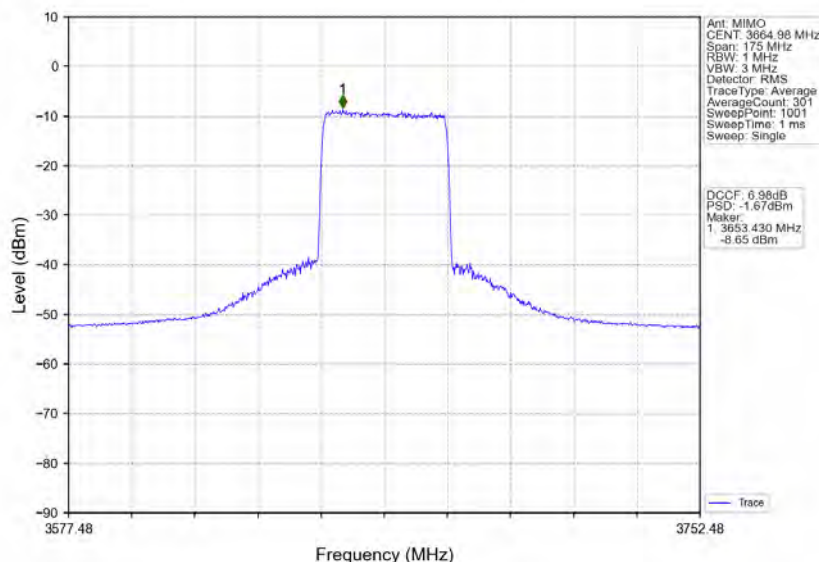
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n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM_QPSK_3664.98MHz_Outer_Full



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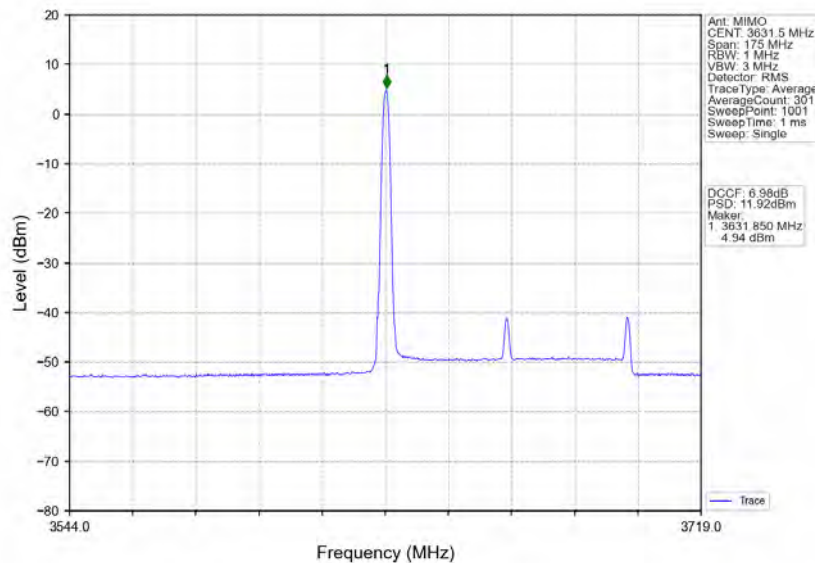
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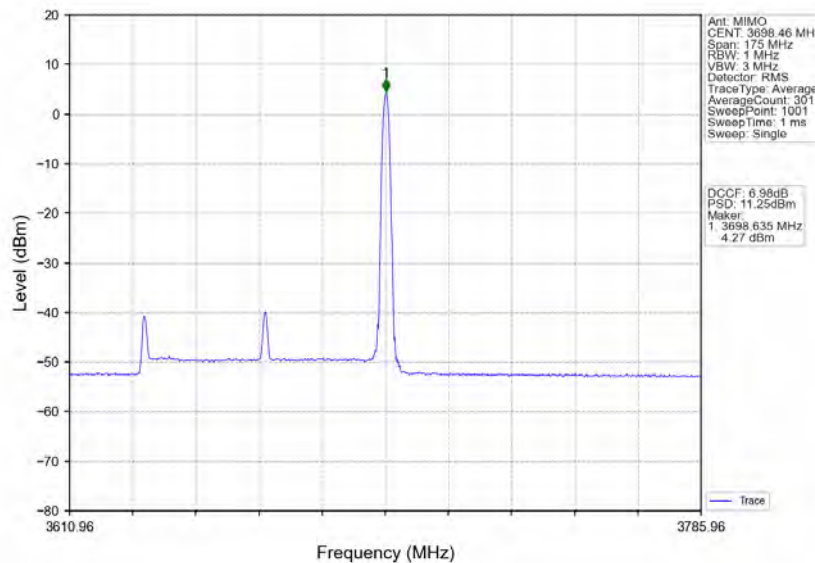
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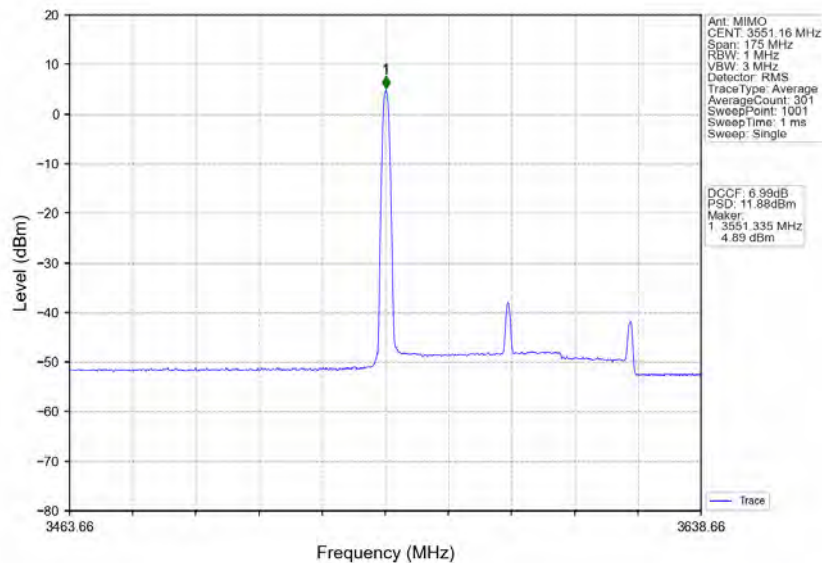
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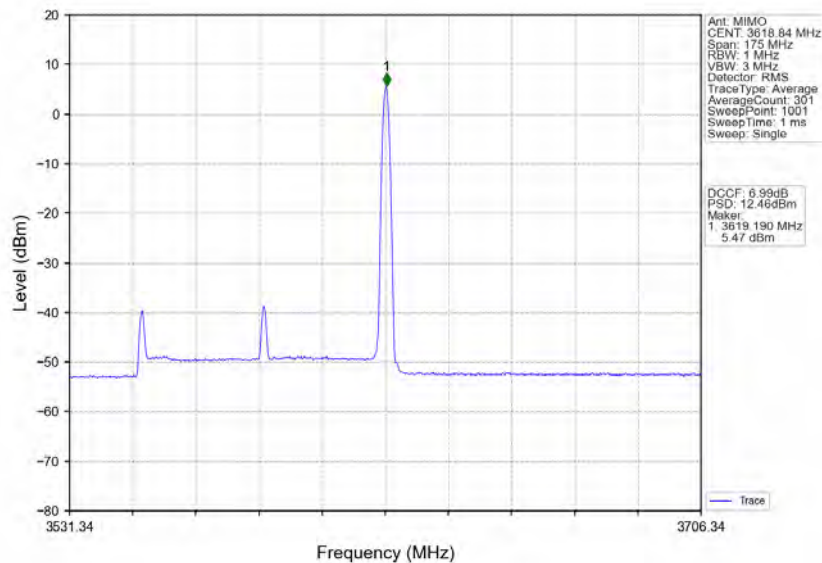
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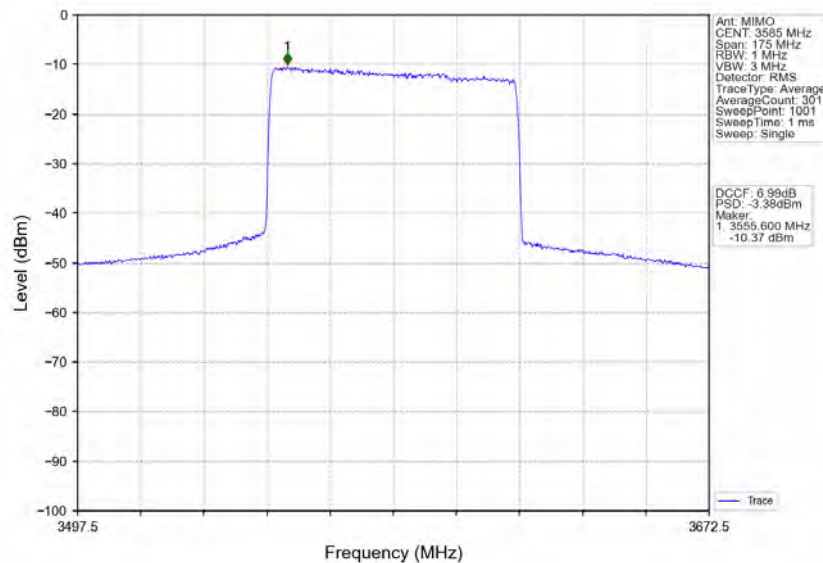
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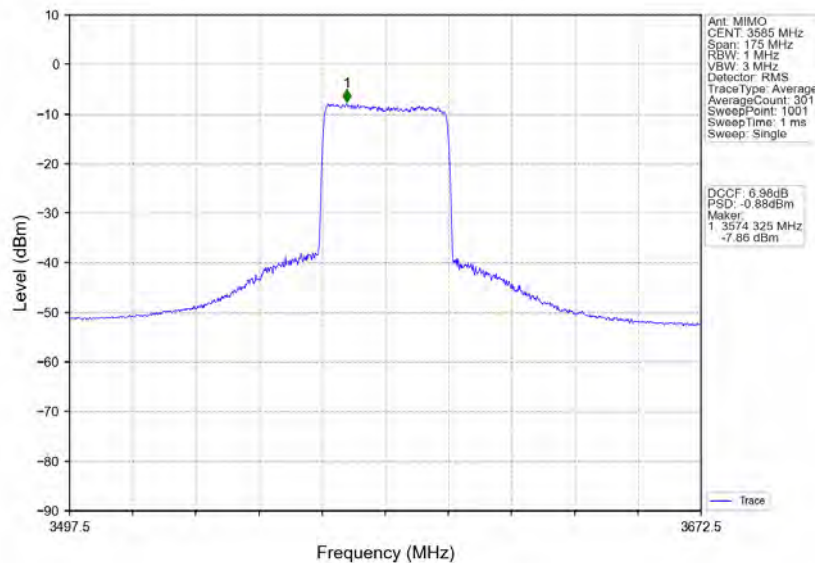
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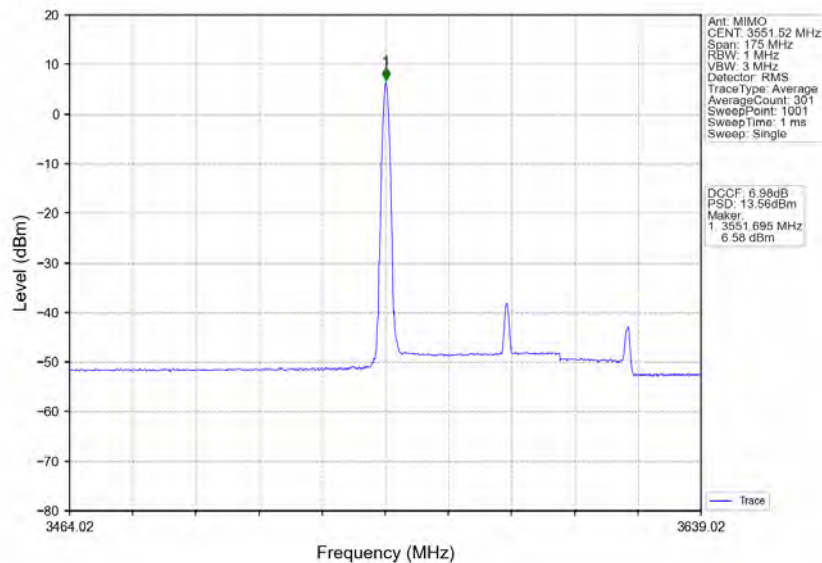
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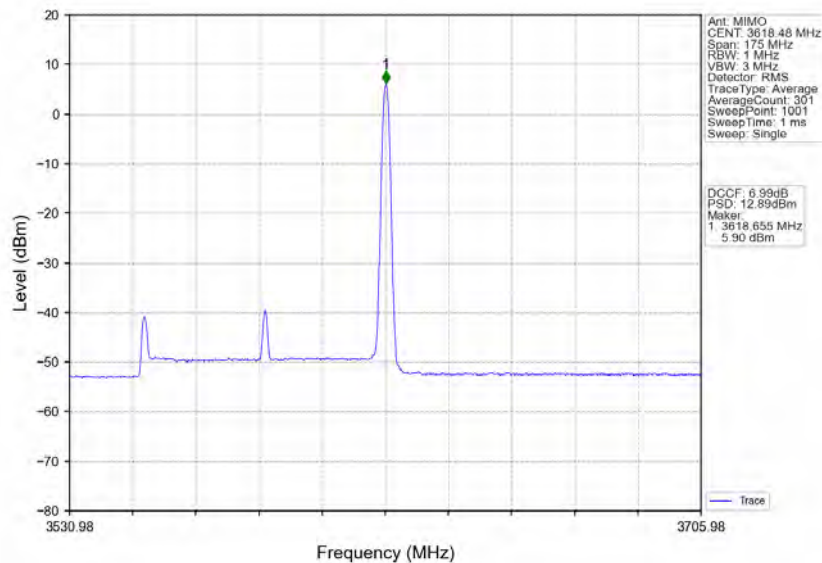
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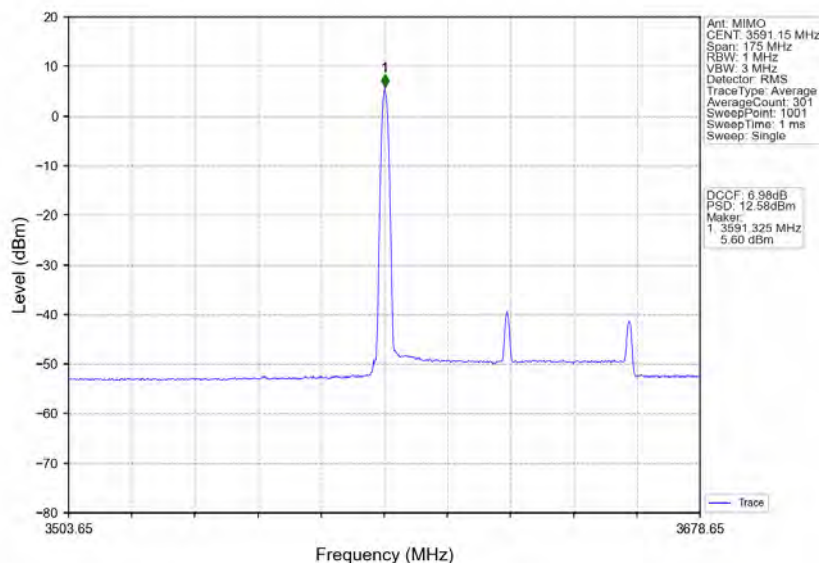
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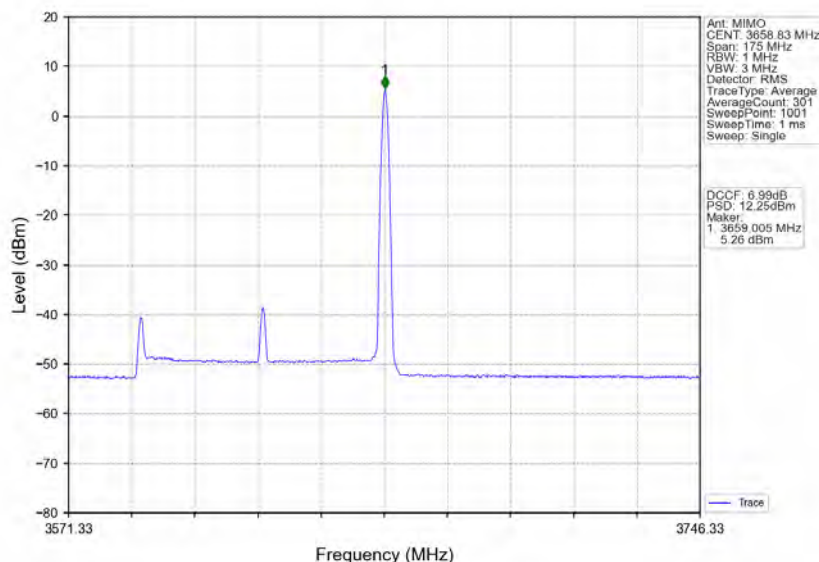
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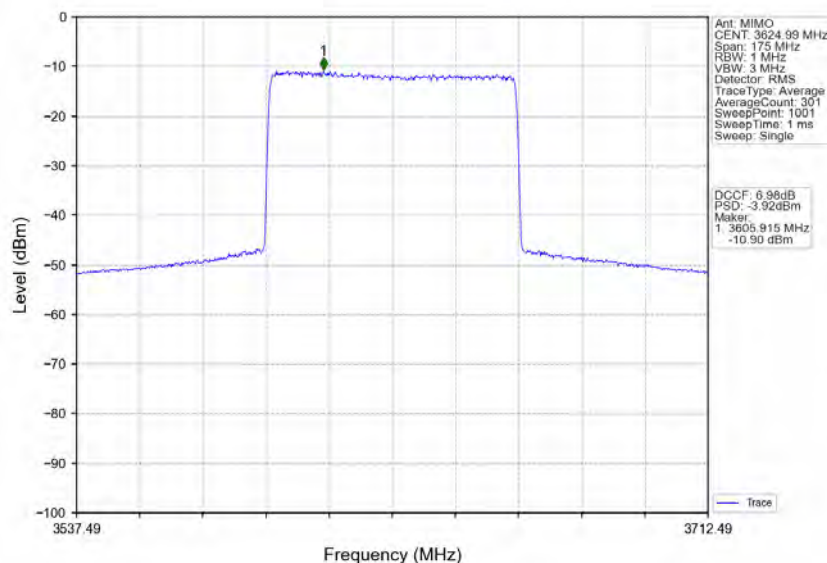
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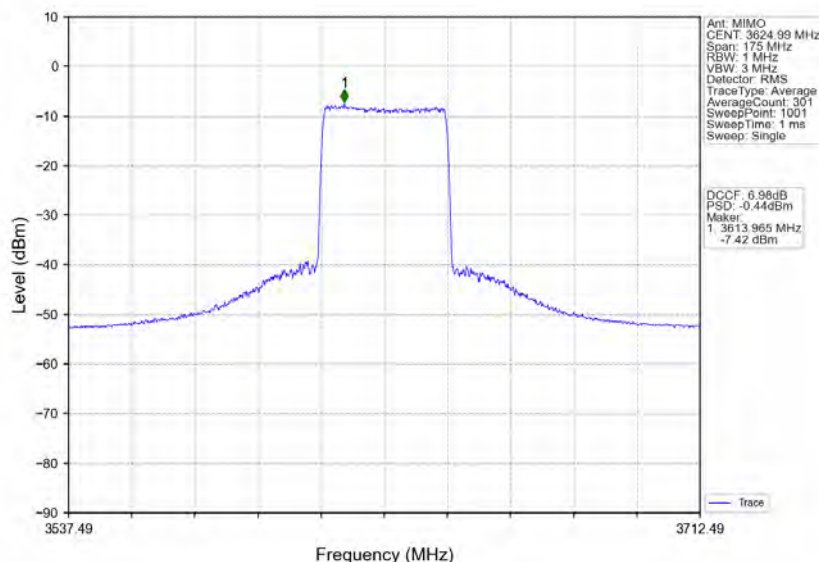
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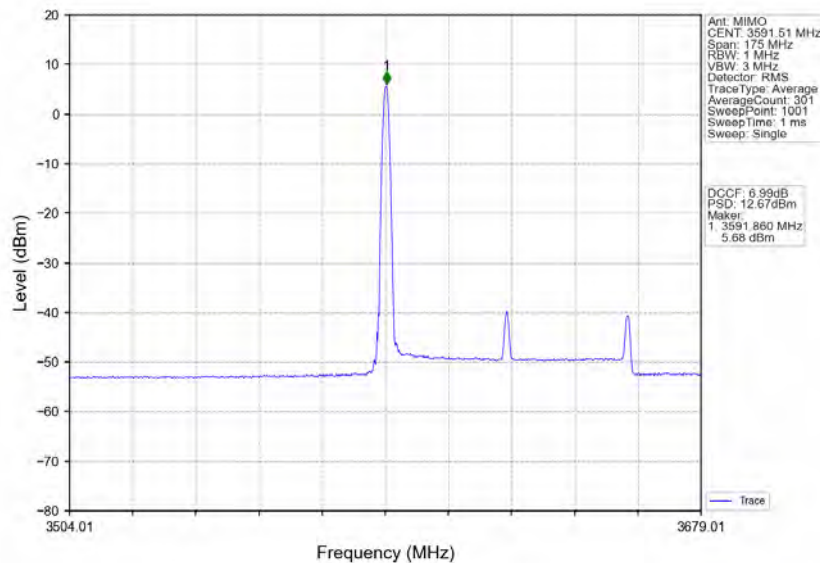
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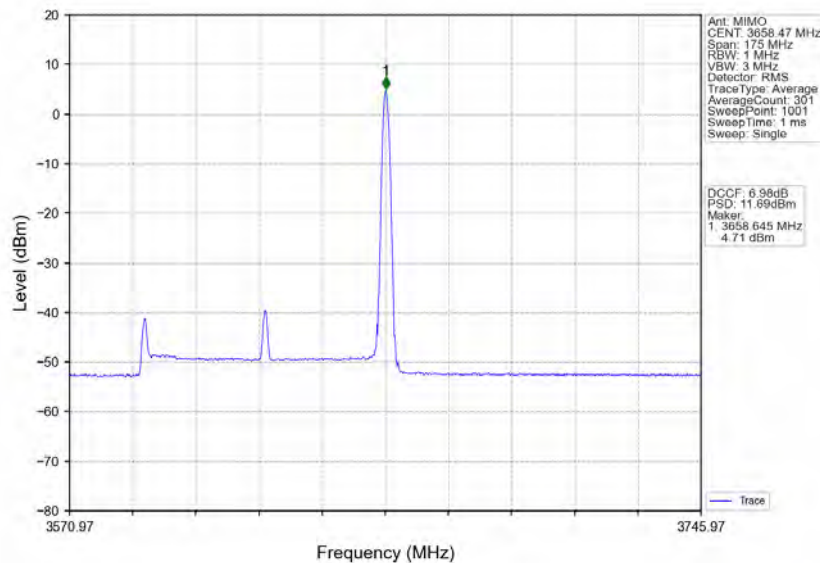
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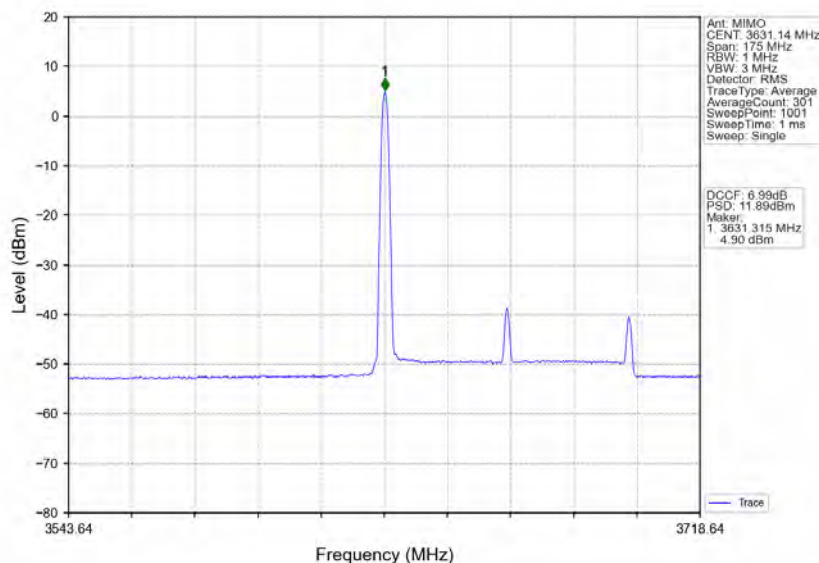
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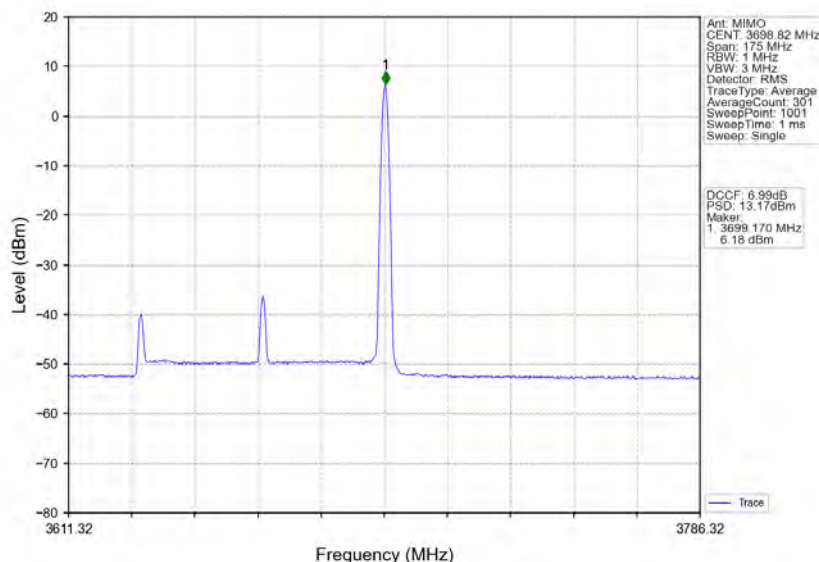
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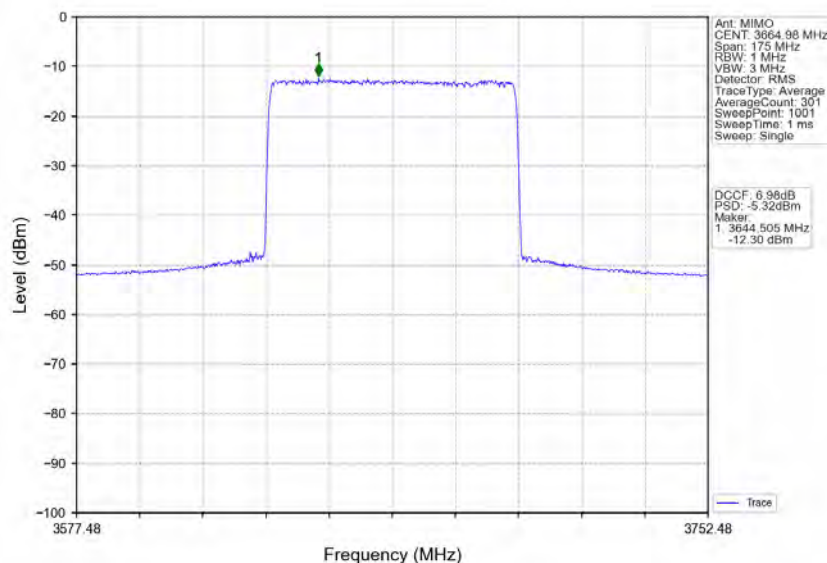
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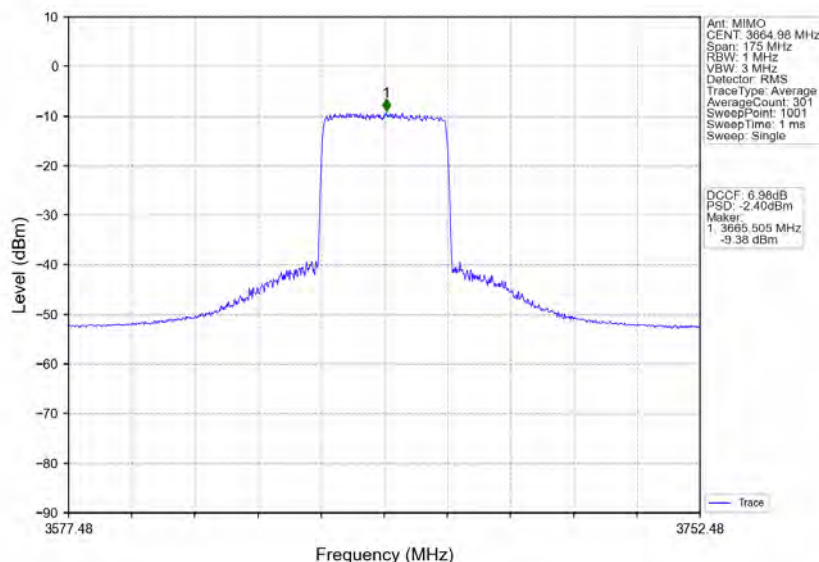
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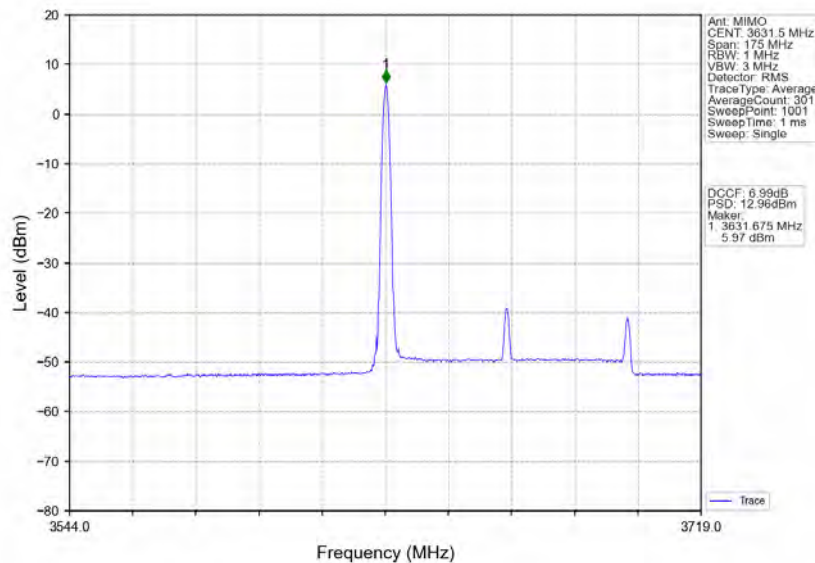
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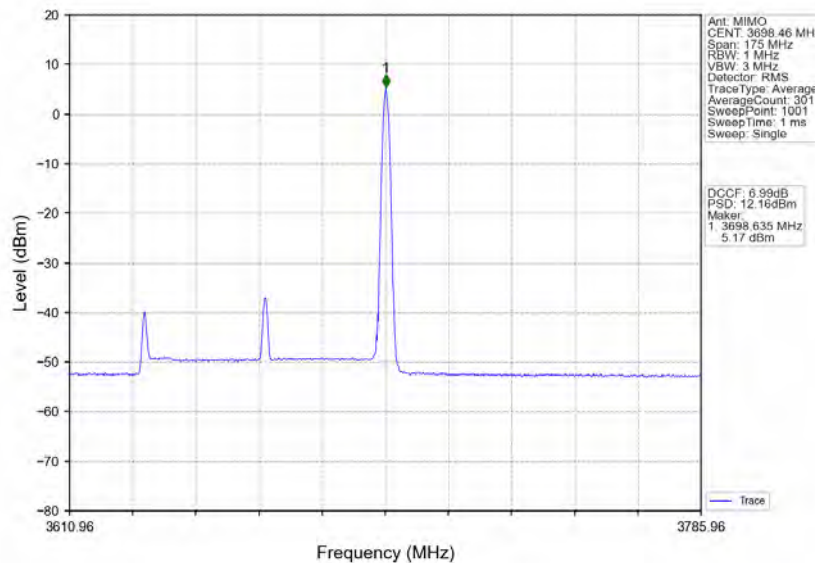
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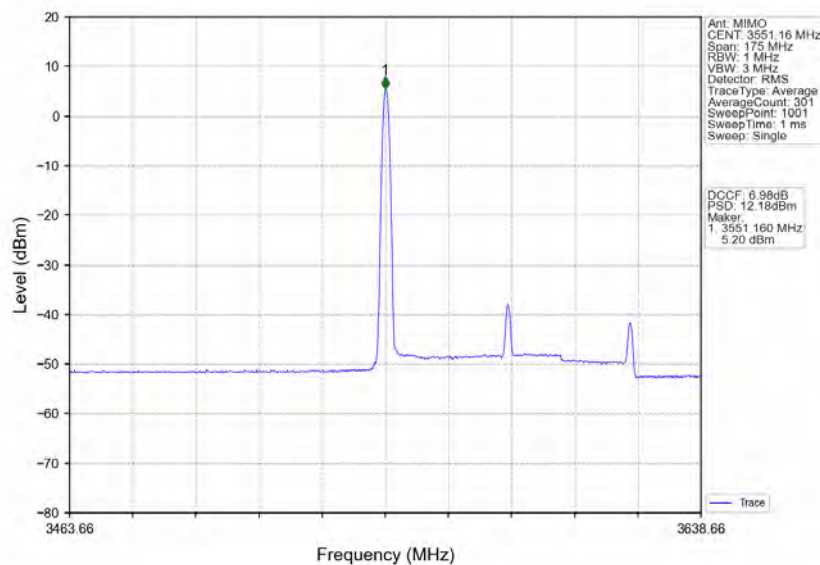
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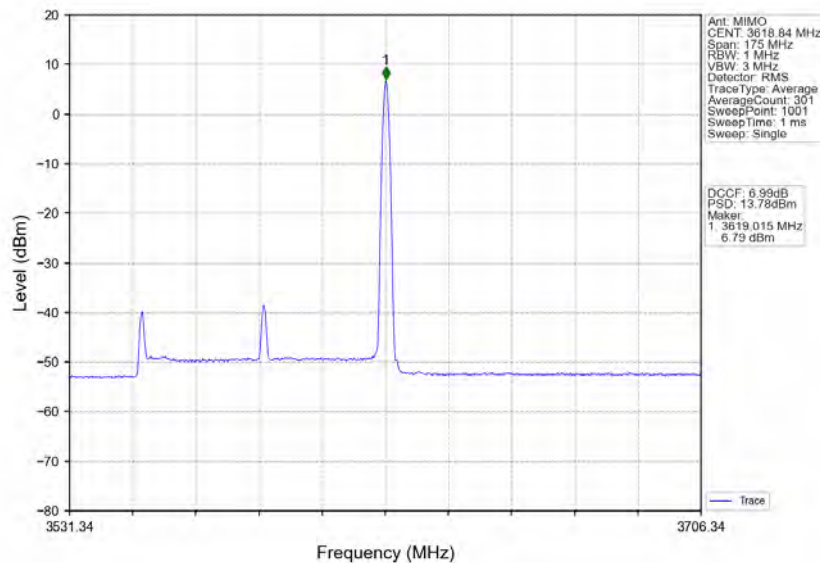
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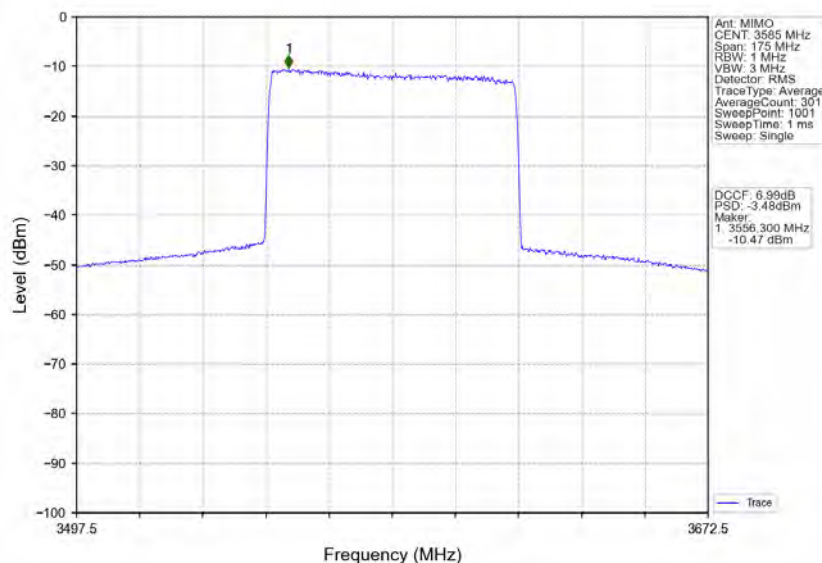
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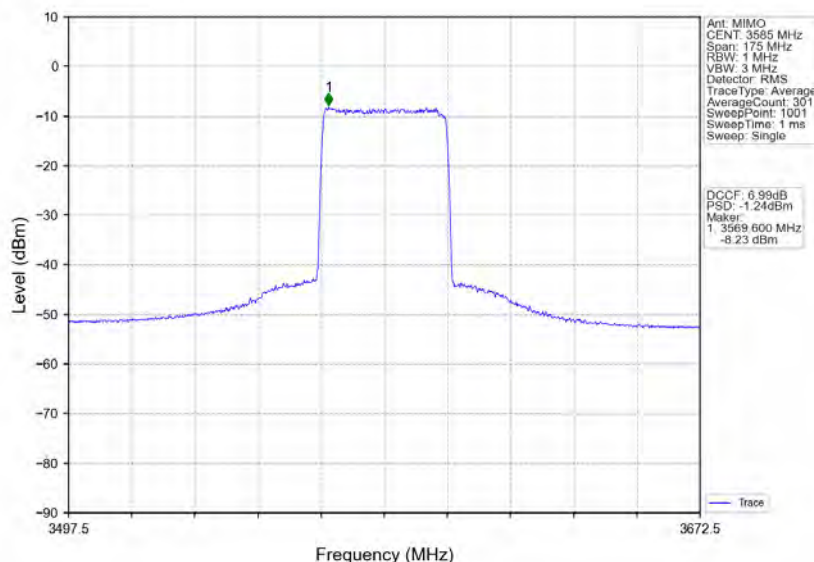
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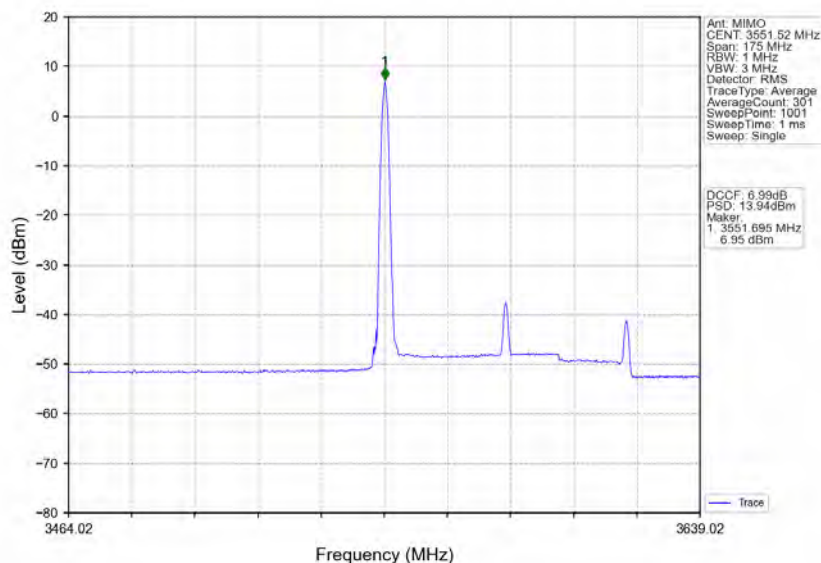
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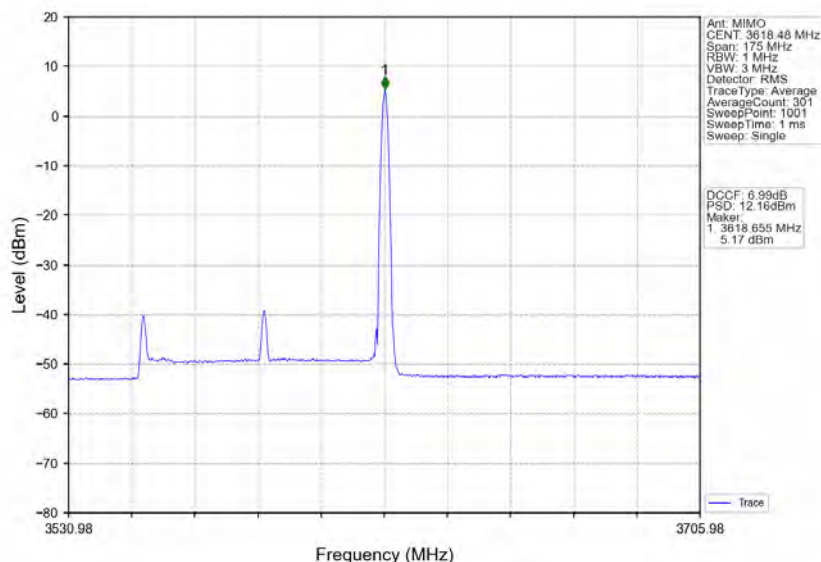
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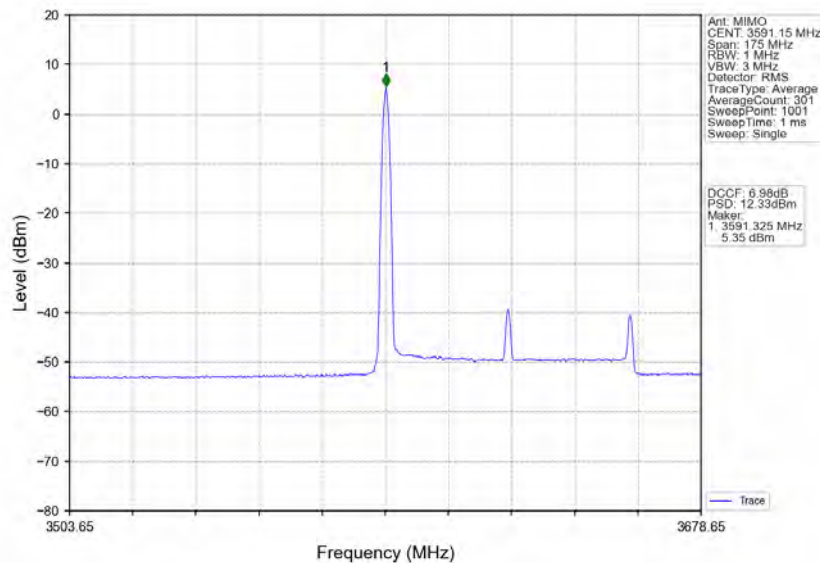
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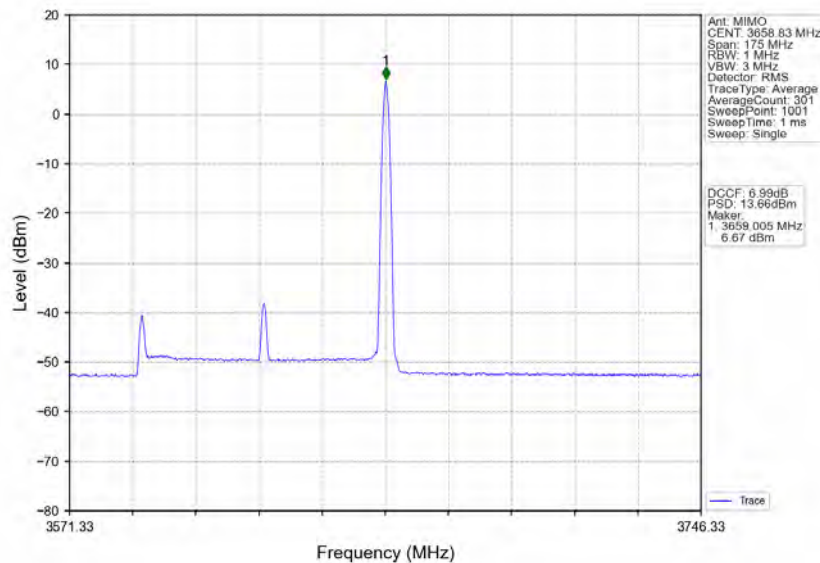
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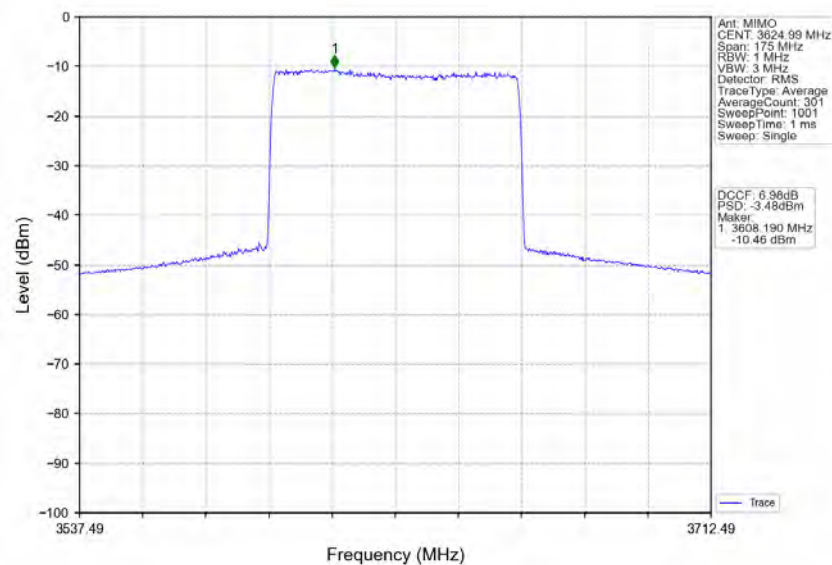
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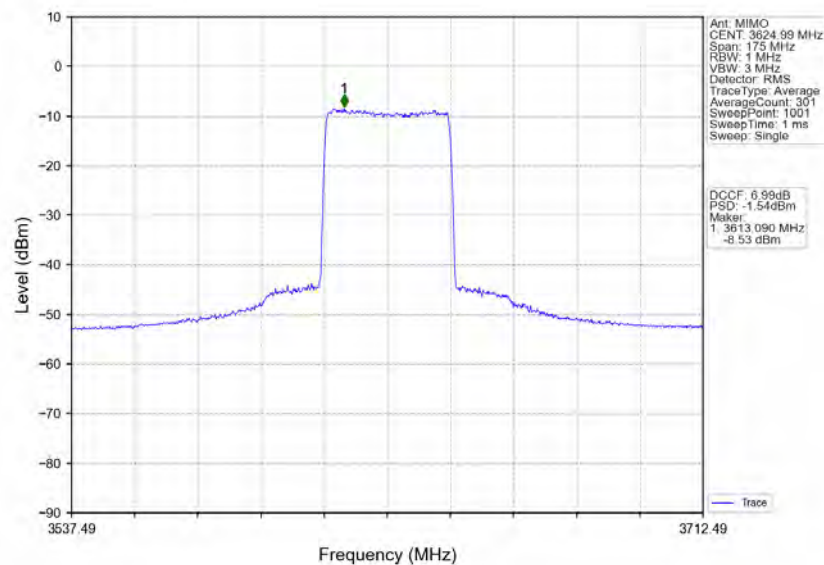
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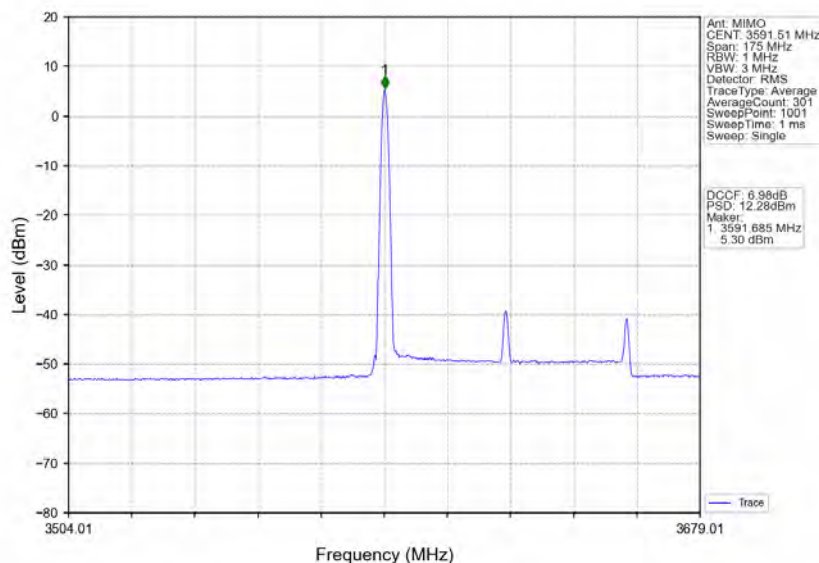
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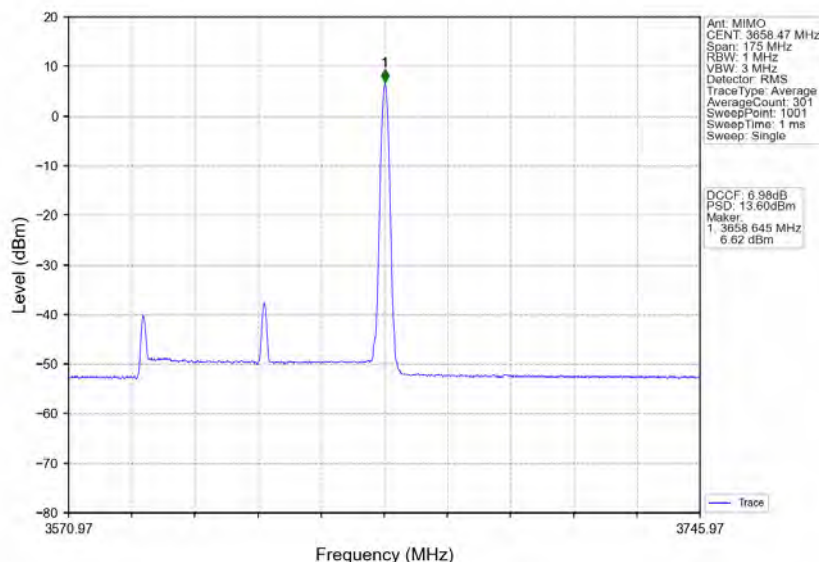
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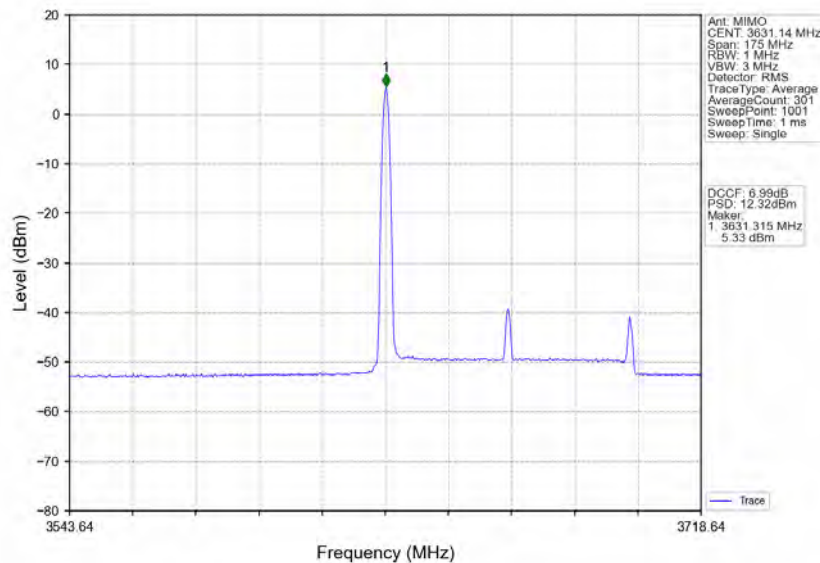
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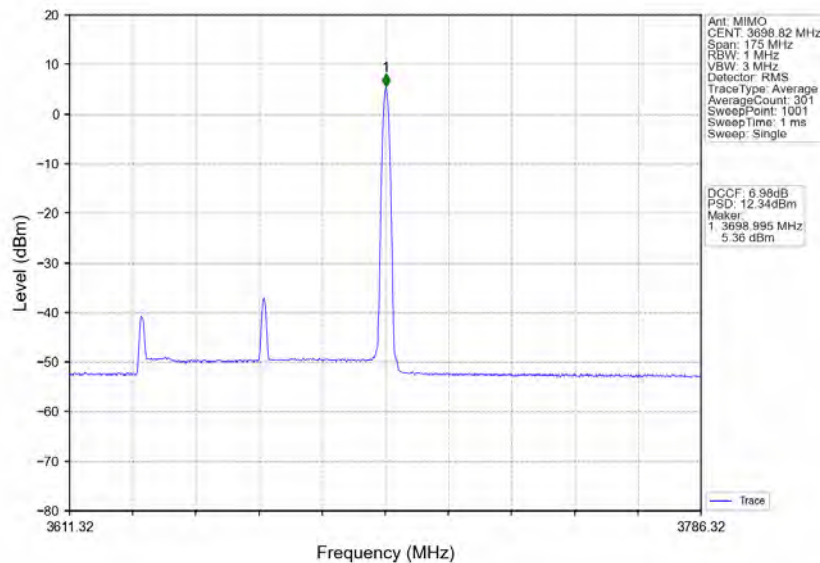
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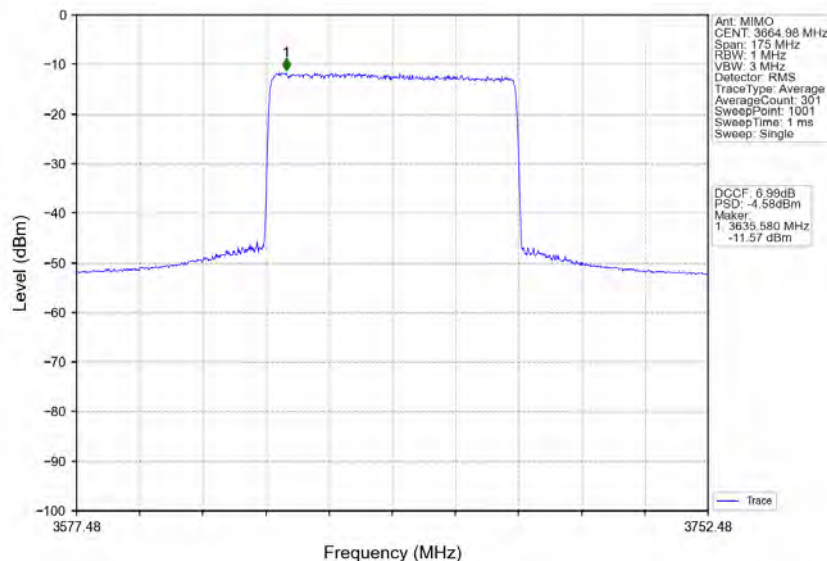
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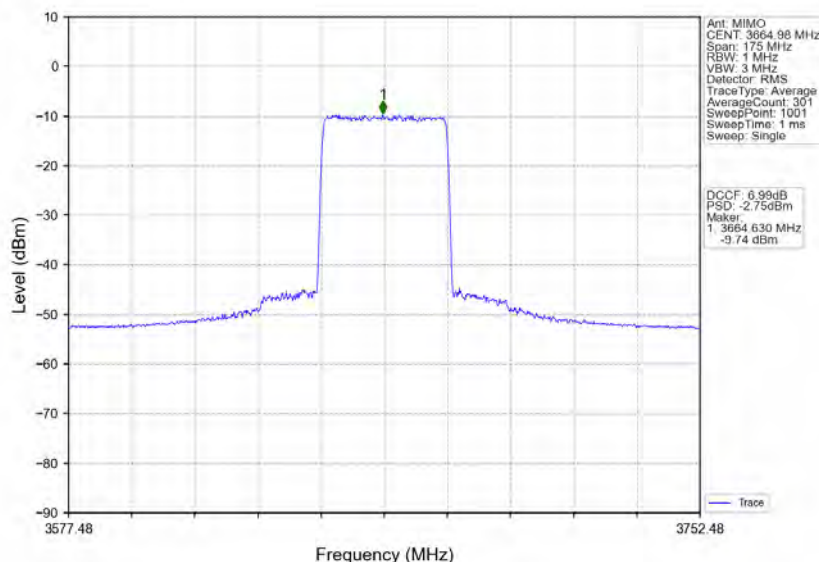
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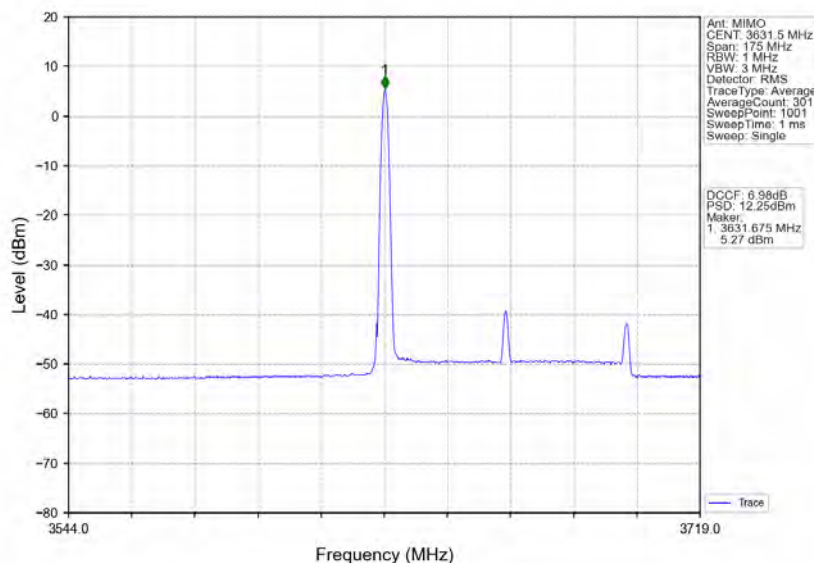
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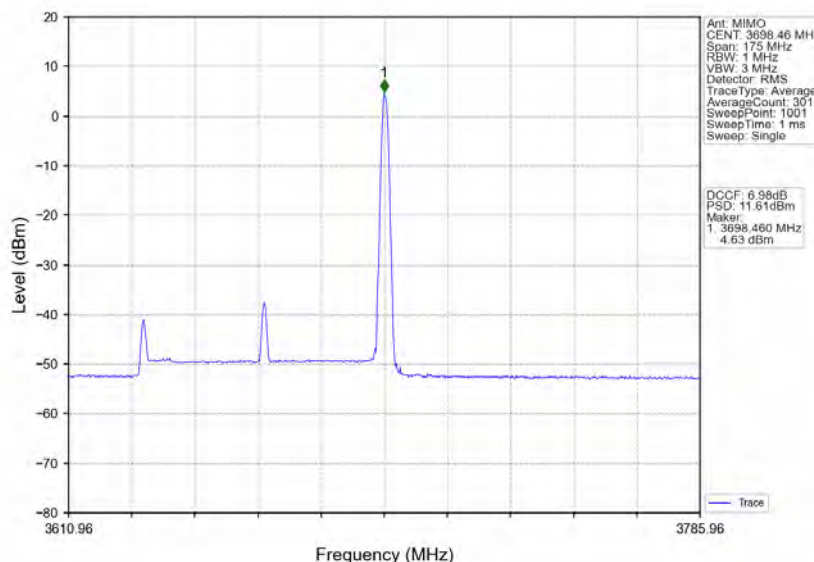
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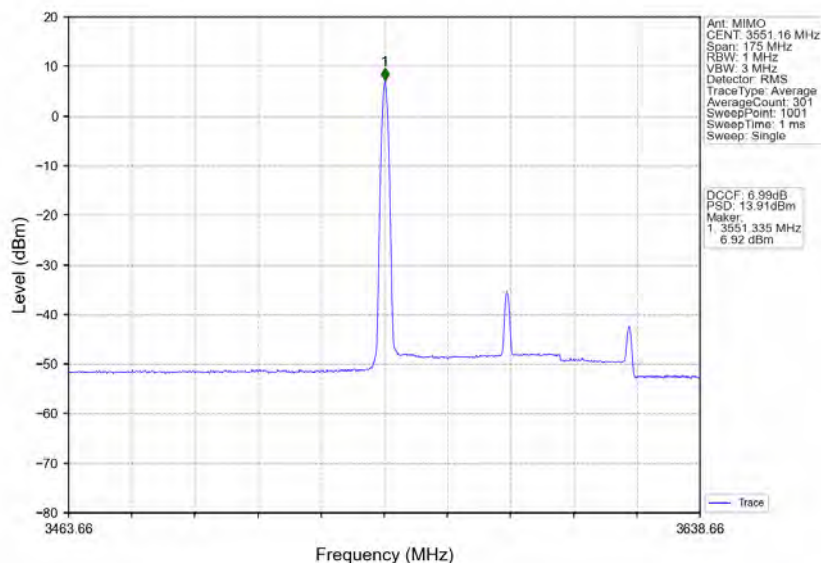
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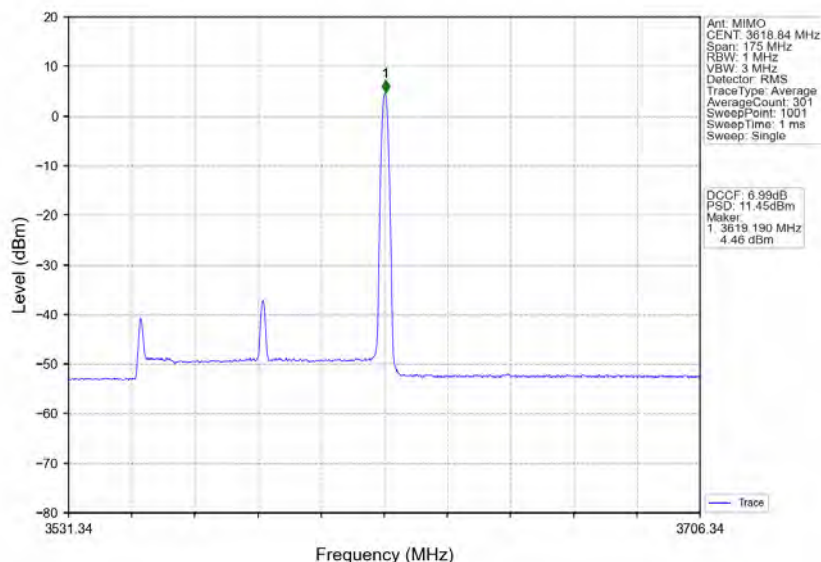
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n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM_256_QAM_3585MHz_Edge_1RB_Right



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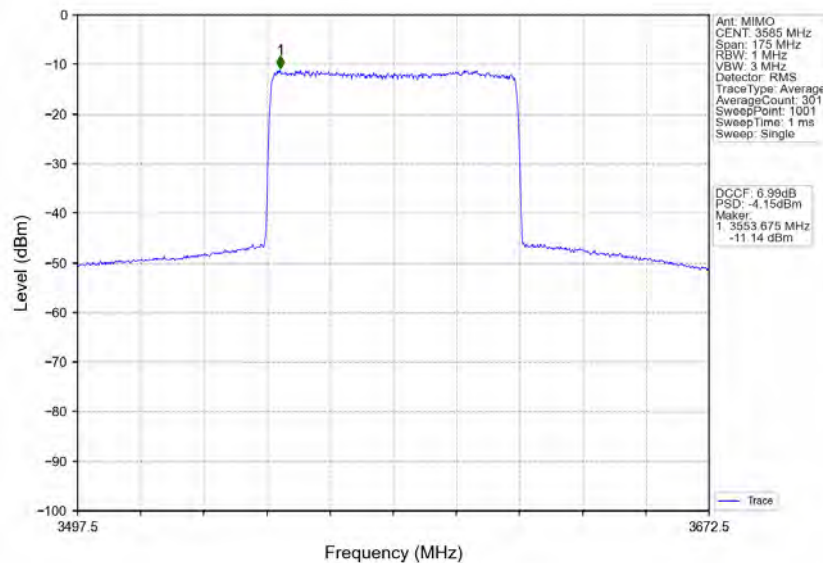
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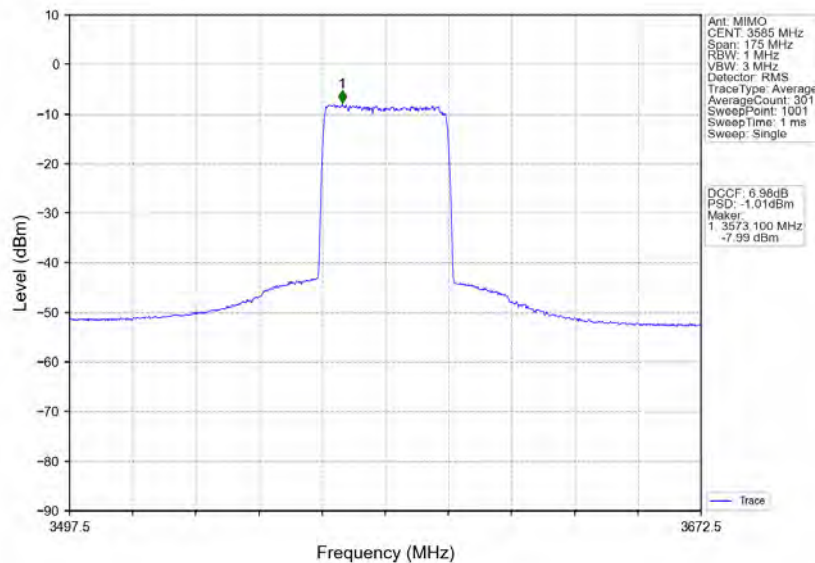
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n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM_256_QAM_3585MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM_256_QAM_3585MHz_Inner_Full



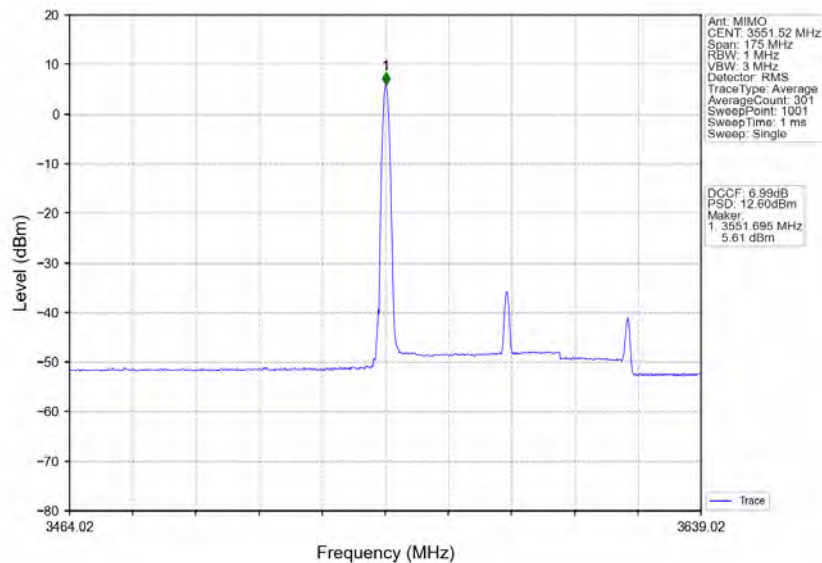
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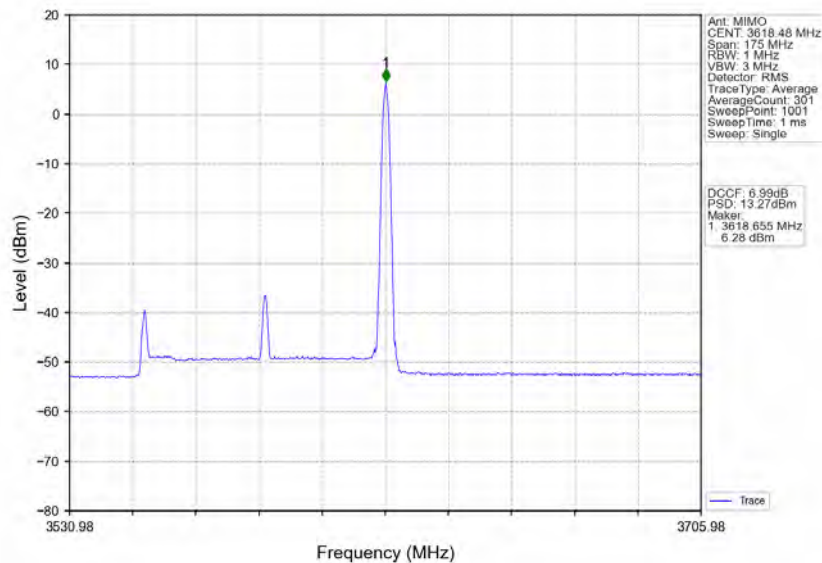
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n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM_256_QAM_3585MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM_256_QAM_3585MHz_Inner_1RB_Right



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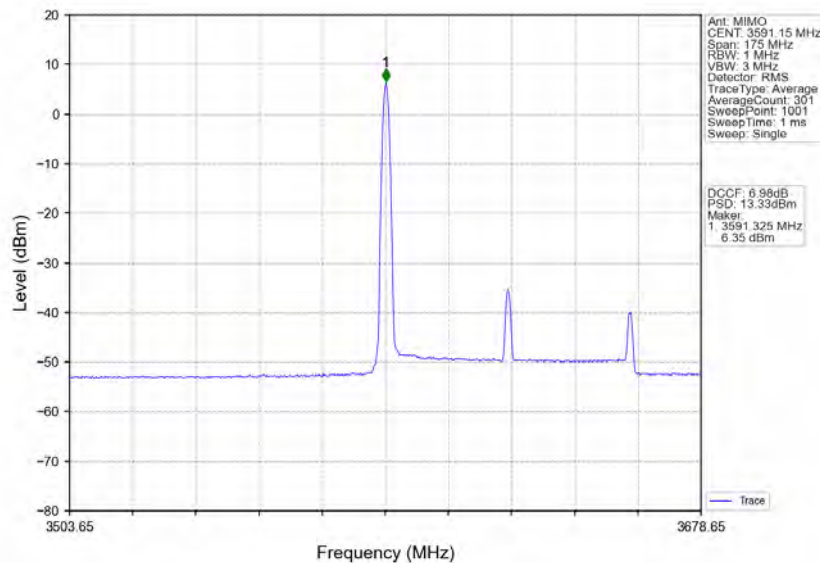
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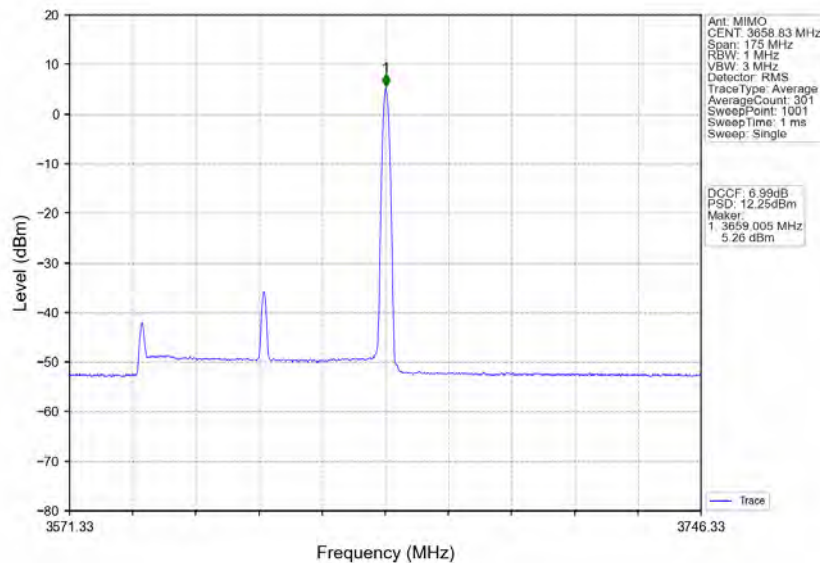
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n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM_256_QAM_3624.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM_256_QAM_3624.99MHz_Edge_1RB_Right



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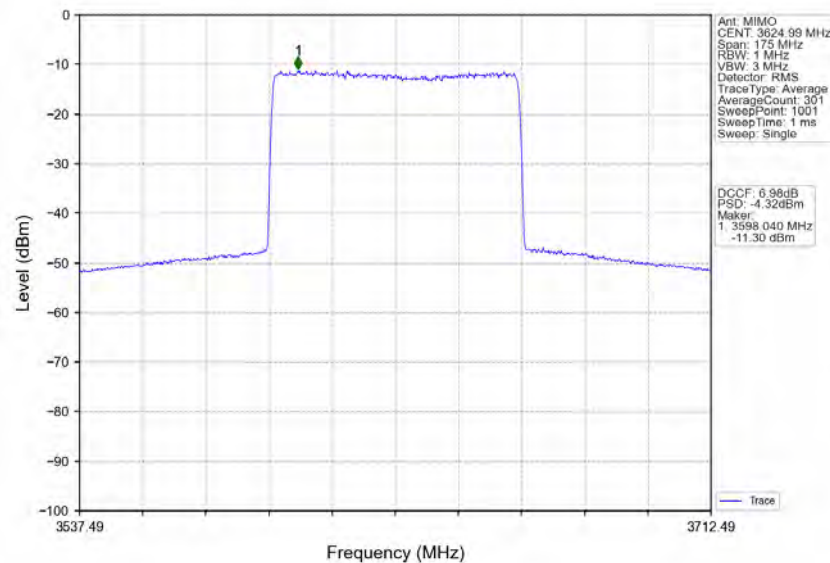
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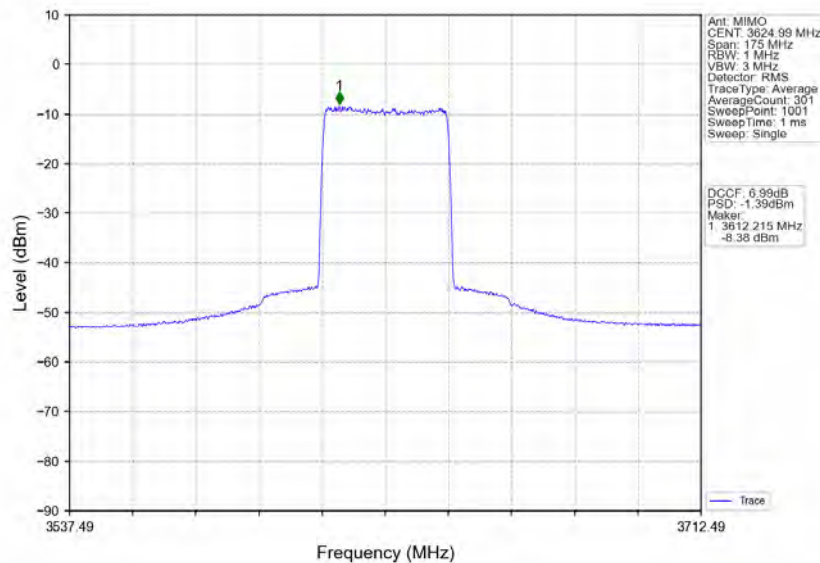
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n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM_256_QAM_3624.99MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM_256_QAM_3624.99MHz_Inner_Full



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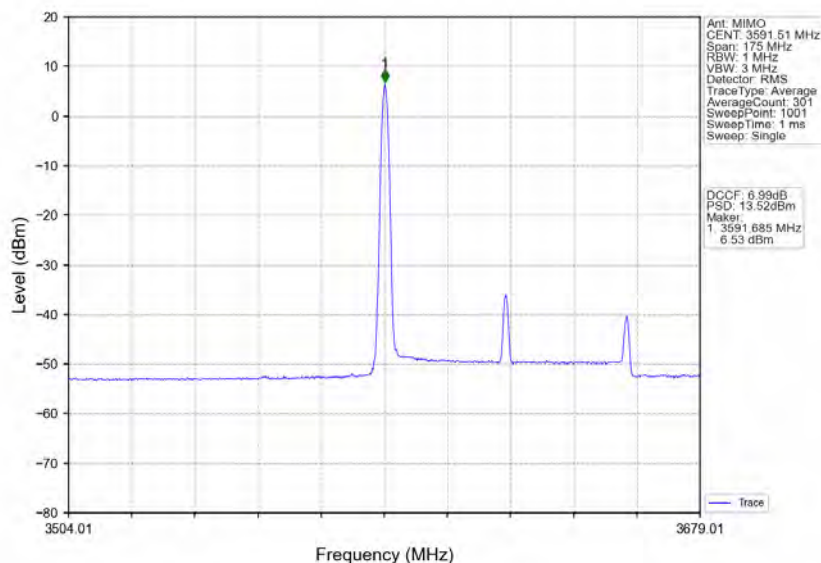
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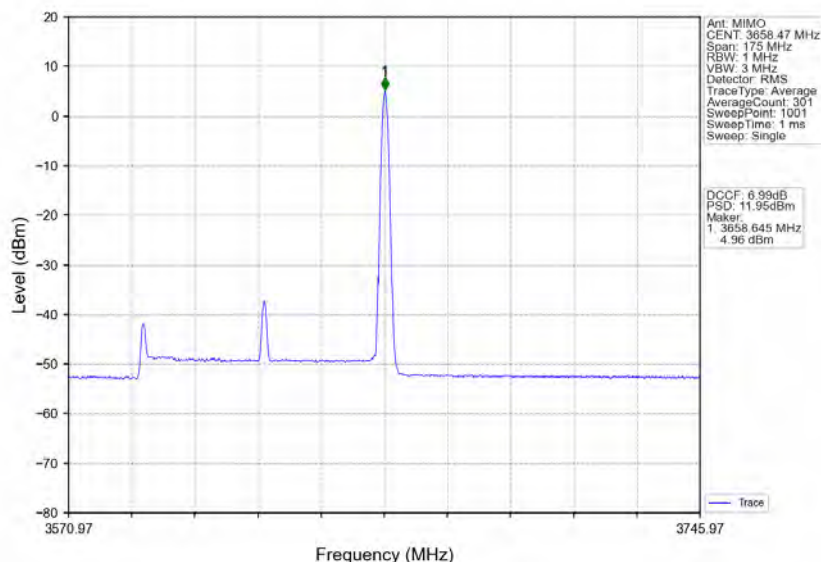
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n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM 256 QAM 3624.99MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM 256 QAM 3624.99MHz_Inner_1RB_Right



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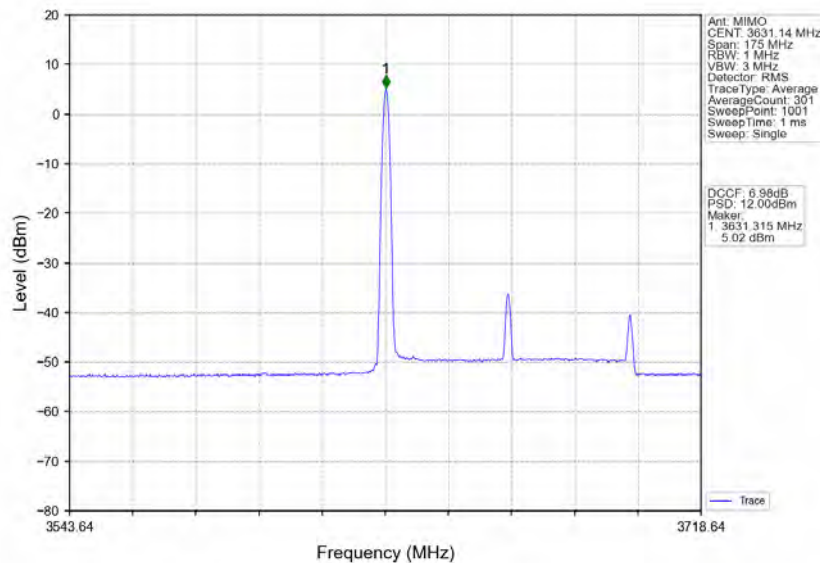
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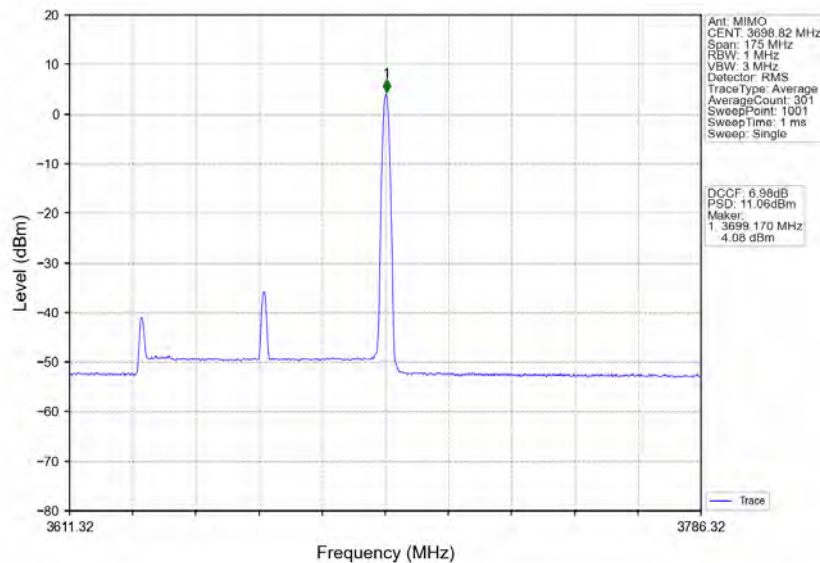
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n78d_30kHz_MIMO_NTNV_70MHz_CP-OFDM_256_QAM_3664.98MHz_Edge_1RB_Right



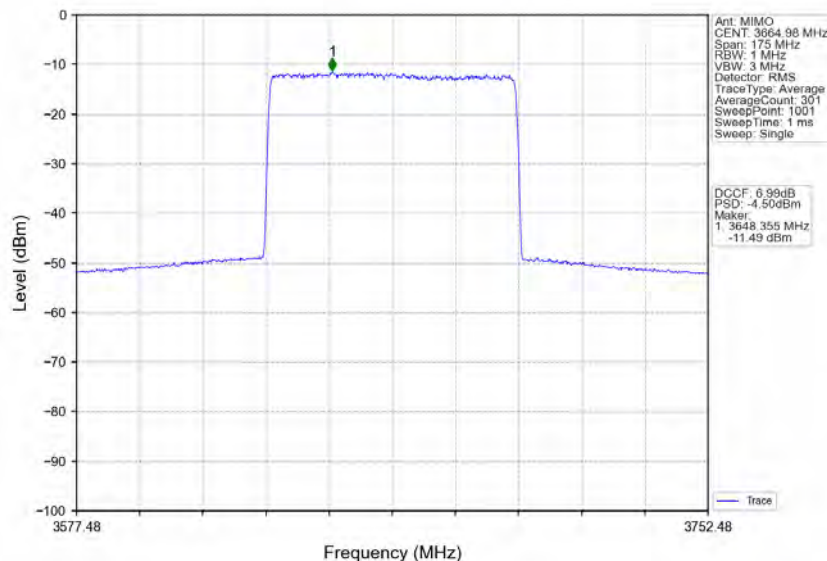
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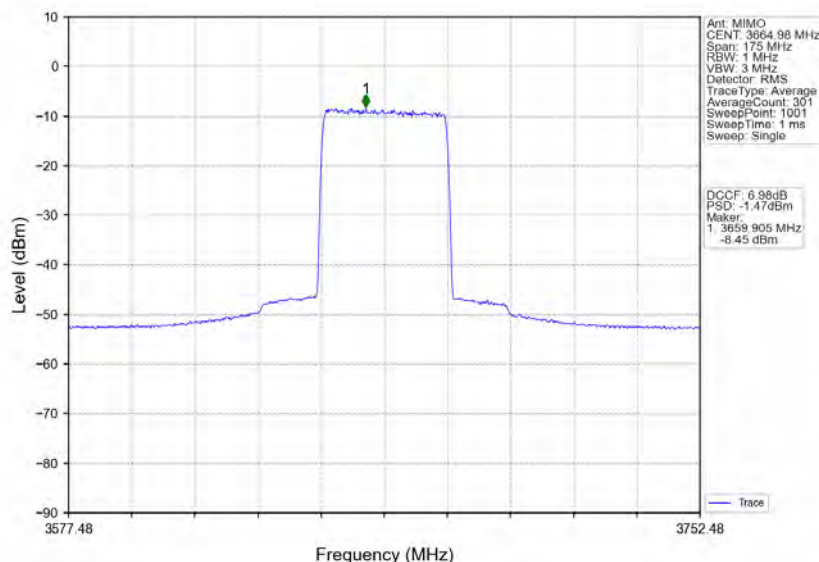
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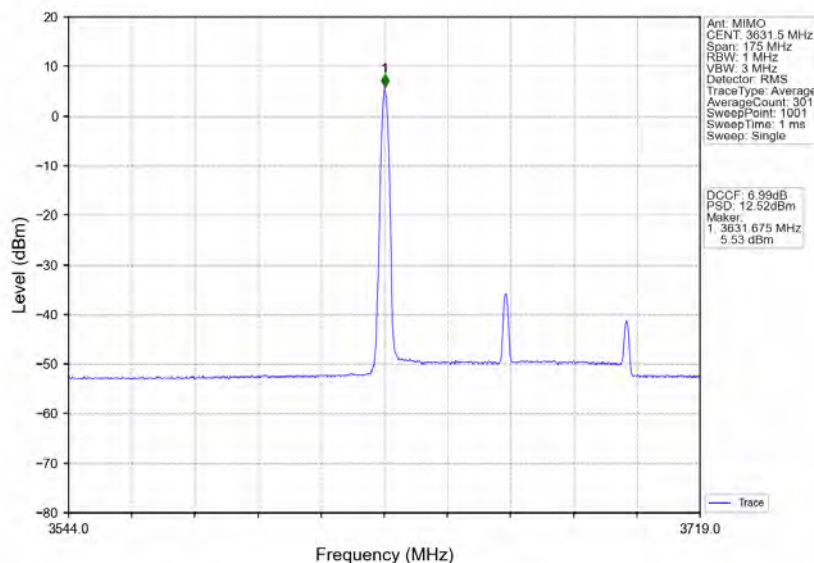
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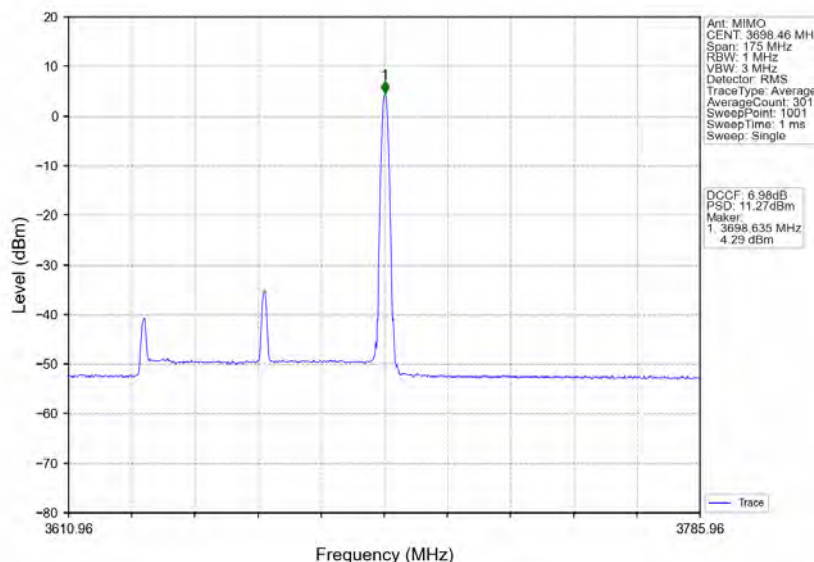
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2.25 30k_MIMO_80MHz_NTNV_EIRP

2.25.1 Test Result

5G NR n78d SCS=30kHz MIMO 80MHz NTV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3590.01	Edge 1RB Left	10.33	10.26	13.31	15.23	16.06	18.68	-	Pass
		Edge 1RB Right	10.19	10.59	13.41	15.09	16.39	18.80	-	Pass
		Outer Full	10.27	10.37	13.33	15.17	16.17	18.71	-	Pass
		Inner Full	10.36	10.38	13.38	15.26	16.18	18.75	-	Pass
		Inner 1RB Left	10.34	10.32	13.34	15.24	16.12	18.71	-	Pass
		Inner 1RB Right	10.18	10.60	13.40	15.08	16.40	18.80	-	Pass
	3624.99	Edge 1RB Left	10.29	10.42	13.37	15.19	16.22	18.75	-	Pass
		Edge 1RB Right	9.96	10.57	13.29	14.86	16.37	18.69	-	Pass
		Outer Full	10.27	10.58	13.44	15.17	16.38	18.83	-	Pass
		Inner Full	10.33	10.69	13.53	15.23	16.49	18.92	-	Pass
		Inner 1RB Left	10.48	10.68	13.59	15.38	16.48	18.98	-	Pass
		Inner 1RB Right	10.13	10.57	13.37	15.03	16.37	18.76	-	Pass
	3660	Edge 1RB Left	10.36	10.67	13.53	15.26	16.47	18.92	-	Pass
		Edge 1RB Right	10.20	10.60	13.41	15.10	16.40	18.81	-	Pass
		Outer Full	10.15	10.59	13.39	15.05	16.39	18.78	-	Pass
		Inner Full	10.08	10.70	13.41	14.98	16.50	18.82	-	Pass
		Inner 1RB Left	10.30	10.59	13.46	15.20	16.39	18.85	-	Pass
		Inner 1RB Right	10.29	10.72	13.52	15.19	16.52	18.92	-	Pass
CP-OFDM 16 QAM	3590.01	Edge 1RB Left	10.20	10.11	13.17	15.10	15.91	18.53	-	Pass
		Edge 1RB Right	10.11	10.44	13.29	15.01	16.24	18.68	-	Pass
		Outer Full	10.29	10.37	13.34	15.19	16.17	18.72	-	Pass
		Inner Full	10.31	10.35	13.34	15.21	16.15	18.72	-	Pass
		Inner 1RB Left	10.19	10.08	13.15	15.09	15.88	18.51	-	Pass
		Inner 1RB Right	10.13	10.44	13.30	15.03	16.24	18.69	-	Pass
	3624.99	Edge 1RB Left	10.23	10.57	13.41	15.13	16.37	18.80	-	Pass
		Edge 1RB Right	9.79	10.54	13.19	14.69	16.34	18.60	-	Pass
		Outer Full	10.21	10.63	13.43	15.11	16.43	18.83	-	Pass
		Inner Full	10.31	10.79	13.57	15.21	16.59	18.96	-	Pass
		Inner 1RB Left	10.08	10.49	13.30	14.98	16.29	18.69	-	Pass
		Inner 1RB Right	9.76	10.39	13.10	14.66	16.19	18.50	-	Pass
	3660	Edge 1RB Left	10.05	10.68	13.39	14.95	16.48	18.79	-	Pass
		Edge 1RB Right	9.96	10.64	13.32	14.86	16.44	18.73	-	Pass
		Outer Full	10.13	10.66	13.42	15.03	16.46	18.81	-	Pass
		Inner Full	10.08	10.65	13.39	14.98	16.45	18.79	-	Pass
		Inner 1RB Left	10.04	10.57	13.32	14.94	16.37	18.72	-	Pass
		Inner 1RB Right	10.05	10.54	13.31	14.95	16.34	18.71	-	Pass
CP-OFDM 64 QAM	3590.01	Edge 1RB Left	10.10	10.48	13.31	15.00	16.28	18.70	-	Pass
		Edge 1RB Right	10.10	10.67	13.41	15.00	16.47	18.81	-	Pass
		Outer Full	10.30	10.39	13.35	15.20	16.19	18.73	-	Pass
		Inner Full	10.38	10.45	13.42	15.28	16.25	18.80	-	Pass
		Inner 1RB Left	10.09	10.48	13.30	14.99	16.28	18.69	-	Pass
		Inner 1RB Right	10.11	10.70	13.43	15.01	16.50	18.83	-	Pass
	3624.99	Edge 1RB Left	10.31	10.69	13.51	15.21	16.49	18.91	-	Pass
		Edge 1RB Right	9.91	10.76	13.36	14.81	16.56	18.78	-	Pass



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		Outer_Full	10.30	10.64	13.48	15.20	16.44	18.87	-	Pass
		Inner_Full	10.38	10.78	13.60	15.28	16.58	18.99	-	Pass
		Inner_1RB_Left	10.33	10.68	13.52	15.23	16.48	18.91	-	Pass
		Inner_1RB_Right	9.97	10.68	13.35	14.87	16.48	18.76	-	Pass
	3660	Edge_1RB_Left	10.17	10.85	13.54	15.07	16.65	18.94	-	Pass
		Edge_1RB_Right	10.21	10.73	13.49	15.11	16.53	18.89	-	Pass
		Outer_Full	10.10	10.61	13.37	15.00	16.41	18.77	-	Pass
		Inner_Full	10.12	10.66	13.41	15.02	16.46	18.81	-	Pass
		Inner_1RB_Left	10.23	10.84	13.56	15.13	16.64	18.96	-	Pass
		Inner_1RB_Right	10.18	10.78	13.50	15.08	16.58	18.90	-	Pass
		Edge_1RB_Left	10.26	10.30	13.29	15.16	16.10	18.67	-	Pass
		Edge_1RB_Right	10.20	10.63	13.43	15.10	16.43	18.83	-	Pass
CP-OFDM 256 QAM	3590.01	Outer_Full	10.35	10.42	13.40	15.25	16.22	18.77	-	Pass
		Inner_Full	10.35	10.41	13.39	15.25	16.21	18.77	-	Pass
		Inner_1RB_Left	10.28	10.31	13.31	15.18	16.11	18.68	-	Pass
		Inner_1RB_Right	10.28	10.62	13.46	15.18	16.42	18.85	-	Pass
		Edge_1RB_Left	10.57	10.44	13.52	15.47	16.24	18.88	-	Pass
		Edge_1RB_Right	10.16	10.38	13.28	15.06	16.18	18.67	-	Pass
		Outer_Full	10.32	10.68	13.51	15.22	16.48	18.91	-	Pass
		Inner_Full	10.35	10.76	13.57	15.25	16.56	18.96	-	Pass
	3624.99	Inner_1RB_Left	10.56	10.50	13.54	15.46	16.30	18.91	-	Pass
		Inner_1RB_Right	10.16	10.40	13.29	15.06	16.20	18.68	-	Pass
		Edge_1RB_Left	10.48	10.62	13.56	15.38	16.42	18.94	-	Pass
		Edge_1RB_Right	10.43	10.52	13.48	15.33	16.32	18.86	-	Pass
		Outer_Full	10.11	10.61	13.38	15.01	16.41	18.78	-	Pass
		Inner_Full	10.06	10.59	13.34	14.96	16.39	18.74	-	Pass
		Inner_1RB_Left	10.42	10.56	13.50	15.32	16.36	18.88	-	Pass
		Inner_1RB_Right	10.41	10.53	13.48	15.31	16.33	18.86	-	Pass
	3660	Edge_1RB_Left	10.48	10.62	13.56	15.38	16.42	18.94	-	Pass
		Edge_1RB_Right	10.43	10.52	13.48	15.33	16.32	18.86	-	Pass
		Outer_Full	10.11	10.61	13.38	15.01	16.41	18.78	-	Pass
		Inner_Full	10.06	10.59	13.34	14.96	16.39	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

2.26 30k_MIMO_80MHz_NTNV_EIRP/10MHz

2.26.1 Test Result

5G NR n78d SCS=30kHz MIMO 80MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3590.01	Edge_1RB_Left	9.63	9.56	12.61	14.53	15.36	17.98	<=30	Pass
		Edge_1RB_Right	8.63	9.11	11.89	13.53	14.91	17.28	<=30	Pass
		Outer_Full	-0.63	0.81	3.16	4.27	6.61	8.61	<=30	Pass
		Inner_Full	3.54	3.29	6.43	8.44	9.09	11.79	<=30	Pass
		Inner_1RB_Left	8.15	9.23	11.73	13.05	15.03	17.16	<=30	Pass
		Inner_1RB_Right	8.11	8.67	11.41	13.01	14.47	16.81	<=30	Pass
	3624.99	Edge_1RB_Left	9.13	10.62	12.95	14.03	16.42	18.40	<=30	Pass
		Edge_1RB_Right	10.05	9.61	12.85	14.95	15.41	18.20	<=30	Pass
		Outer_Full	0.20	0.72	3.48	5.10	6.52	8.88	<=30	Pass
		Inner_Full	3.43	4.15	6.82	8.33	9.95	12.23	<=30	Pass
		Inner_1RB_Left	9.47	9.71	12.60	14.37	15.51	17.99	<=30	Pass
		Inner_1RB_Right	9.50	9.30	12.41	14.40	15.10	17.77	<=30	Pass
	3660	Edge_1RB_Left	8.21	10.42	12.46	13.11	16.22	17.95	<=30	Pass



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CP-OFDM 16 QAM	3590.01	Edge 1RB Right	9.68	9.08	12.40	14.58	14.88	17.74	<=30	Pass
		Outer Full	-0.19	0.14	2.99	4.71	5.94	8.38	<=30	Pass
		Inner Full	2.98	2.90	5.95	7.88	8.70	11.32	<=30	Pass
		Inner 1RB Left	9.46	9.54	12.51	14.36	15.34	17.89	<=30	Pass
		Inner 1RB Right	9.46	9.43	12.46	14.36	15.23	17.83	<=30	Pass
		Edge 1RB Left	9.43	8.61	12.05	14.33	14.41	17.38	<=30	Pass
	3624.99	Edge 1RB Right	8.59	8.12	11.37	13.49	13.92	16.72	<=30	Pass
		Outer Full	-0.15	0.41	3.15	4.75	6.21	8.55	<=30	Pass
		Inner Full	3.04	4.31	6.73	7.94	10.11	12.17	<=30	Pass
		Inner 1RB Left	10.56	9.90	13.25	15.46	15.70	18.59	<=30	Pass
		Inner 1RB Right	8.95	9.98	12.51	13.85	15.78	17.93	<=30	Pass
		Edge 1RB Left	9.77	9.18	12.50	14.67	14.98	17.84	<=30	Pass
	3660	Edge 1RB Right	8.76	10.07	12.47	13.66	15.87	17.91	<=30	Pass
		Outer Full	-0.24	-0.75	2.52	4.66	5.05	7.87	<=30	Pass
		Inner Full	3.66	2.96	6.33	8.56	8.76	11.67	<=30	Pass
		Inner 1RB Left	9.33	10.13	12.76	14.23	15.93	18.17	<=30	Pass
		Inner 1RB Right	8.81	10.56	12.78	13.71	16.36	18.24	<=30	Pass
		Edge 1RB Left	8.08	8.99	11.57	12.98	14.79	16.99	<=30	Pass
CP-OFDM 64 QAM	3590.01	Edge 1RB Right	9.02	10.32	12.73	13.92	16.12	18.17	<=30	Pass
		Outer Full	0.98	-0.46	3.33	5.88	5.34	8.63	<=30	Pass
		Inner Full	2.87	3.01	5.95	7.77	8.81	11.33	<=30	Pass
		Inner 1RB Left	9.90	9.31	12.63	14.80	15.11	17.97	<=30	Pass
		Inner 1RB Right	9.27	10.51	12.94	14.17	16.31	18.38	<=30	Pass
		Edge 1RB Left	8.93	9.91	12.46	13.83	15.71	17.88	<=30	Pass
	3624.99	Edge 1RB Right	8.51	8.56	11.55	13.41	14.36	16.92	<=30	Pass
		Outer Full	-0.09	0.57	3.26	4.81	6.37	8.67	<=30	Pass
		Inner Full	2.77	3.94	6.40	7.67	9.74	11.84	<=30	Pass
		Inner 1RB Left	7.36	10.26	12.06	12.26	16.06	17.57	<=30	Pass
		Inner 1RB Right	8.30	8.25	11.29	13.20	14.05	16.66	<=30	Pass
		Edge 1RB Left	9.84	9.71	12.79	14.74	15.51	18.15	<=30	Pass
	3660	Edge 1RB Right	10.05	10.92	13.52	14.95	16.72	18.93	<=30	Pass
		Outer Full	0.59	0.43	3.52	5.49	6.23	8.89	<=30	Pass
		Inner Full	2.41	3.37	5.93	7.31	9.17	11.35	<=30	Pass
		Inner 1RB Left	9.26	8.53	11.92	14.16	14.33	17.26	<=30	Pass
		Inner 1RB Right	9.24	9.85	12.57	14.14	15.65	17.97	<=30	Pass
		Edge 1RB Left	10.13	9.65	12.91	15.03	15.45	18.26	<=30	Pass
CP-OFDM 256 QAM	3590.01	Edge 1RB Right	8.75	9.00	11.89	13.65	14.80	17.27	<=30	Pass
		Outer Full	-0.25	0.42	3.11	4.65	6.22	8.52	<=30	Pass
		Inner Full	3.44	3.23	6.35	8.34	9.03	11.71	<=30	Pass
		Inner 1RB Left	9.60	9.61	12.62	14.50	15.41	17.99	<=30	Pass
		Inner 1RB Right	8.41	8.54	11.49	13.31	14.34	16.87	<=30	Pass
		Edge 1RB Left	8.41	8.35	11.39	13.31	14.15	16.76	<=30	Pass
	3624.99	Edge 1RB Right	7.23	10.42	12.12	12.13	16.22	17.65	<=30	Pass
		Outer Full	-0.10	0.61	3.28	4.80	6.41	8.69	<=30	Pass
		Inner Full	3.87	4.02	6.96	8.77	9.82	12.34	<=30	Pass
		Inner 1RB Left	10.06	10.35	13.22	14.96	16.15	18.61	<=30	Pass
		Inner 1RB Right	9.19	7.45	11.42	14.09	13.25	16.70	<=30	Pass
		Edge 1RB Left	10.99	10.36	13.70	15.89	16.16	19.04	<=30	Pass
	3660	Edge 1RB Right	9.39	9.44	12.43	14.29	15.24	17.80	<=30	Pass
		Outer Full	0.67	0.57	3.63	5.57	6.37	9.00	<=30	Pass
		Inner Full	2.63	3.97	6.36	7.53	9.77	11.80	<=30	Pass
		Inner 1RB Left	9.62	10.06	12.86	14.52	15.86	18.25	<=30	Pass
		Inner 1RB Right	8.67	10.44	12.65	13.57	16.24	18.12	<=30	Pass
		Edge 1RB Left	10.05	10.37	13.22	14.95	16.17	18.61	<=30	Pass

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	Edge_1RB_Right	8.86	9.40	12.15	13.76	15.20	17.55	<=30	Pass
	Outer_Full	-0.61	1.11	3.34	4.29	6.91	8.80	<=30	Pass
	Inner_Full	2.96	3.90	6.47	7.86	9.70	11.89	<=30	Pass
	Inner_1RB_Left	10.07	8.91	12.54	14.97	14.71	17.85	<=30	Pass
	Inner_1RB_Right	9.56	9.25	12.42	14.46	15.05	17.78	<=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

2.27 30k_MIMO_80MHz_NTNV_PSD

2.27.1 Test Result

5G NR n78d SCS=30kHz MIMO 80MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted PSD(dBm/MHz)			E.I.R.PSD(dBm/MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3590.01	Edge_1RB_Left	9.63	9.56	12.28	14.53	15.36	18.08	<=20	Pass
		Edge_1RB_Right	8.63	9.11	11.71	13.53	14.91	17.51	<=20	Pass
		Outer_Full	-0.63	0.81	-4.99	4.27	6.61	0.81	<=20	Pass
		Inner_Full	3.54	3.29	-1.88	8.44	9.09	3.92	<=20	Pass
		Inner_1RB_Left	8.15	9.23	12.07	13.05	15.03	17.87	<=20	Pass
		Inner_1RB_Right	8.11	8.67	10.80	13.01	14.47	16.60	<=20	Pass
	3624.99	Edge_1RB_Left	9.13	10.62	12.08	14.03	16.42	17.88	<=20	Pass
		Edge_1RB_Right	10.05	9.61	13.61	14.95	15.41	19.41	<=20	Pass
		Outer_Full	0.20	0.72	-5.61	5.10	6.52	0.19	<=20	Pass
		Inner_Full	3.43	4.15	-2.51	8.33	9.95	3.29	<=20	Pass
		Inner_1RB_Left	9.47	9.71	12.66	14.37	15.51	18.46	<=20	Pass
		Inner_1RB_Right	9.50	9.30	12.84	14.40	15.10	18.64	<=20	Pass
	3660	Edge_1RB_Left	8.21	10.42	12.33	13.11	16.22	18.13	<=20	Pass
		Edge_1RB_Right	9.68	9.08	12.12	14.58	14.88	17.92	<=20	Pass
		Outer_Full	-0.19	0.14	-4.52	4.71	5.94	1.28	<=20	Pass
		Inner_Full	2.98	2.90	-1.75	7.88	8.70	4.05	<=20	Pass
		Inner_1RB_Left	9.46	9.54	12.60	14.36	15.34	18.40	<=20	Pass
		Inner_1RB_Right	9.46	9.43	11.17	14.36	15.23	16.97	<=20	Pass
CP-OFDM 16 QAM	3590.01	Edge_1RB_Left	9.43	8.61	12.64	14.33	14.41	18.44	<=20	Pass
		Edge_1RB_Right	8.59	8.12	12.42	13.49	13.92	18.22	<=20	Pass
		Outer_Full	-0.15	0.41	-5.17	4.75	6.21	0.63	<=20	Pass
		Inner_Full	3.04	4.31	-1.72	7.94	10.11	4.08	<=20	Pass
		Inner_1RB_Left	10.56	9.90	13.32	15.46	15.70	19.12	<=20	Pass
		Inner_1RB_Right	8.95	9.98	12.23	13.85	15.78	18.03	<=20	Pass
	3624.99	Edge_1RB_Left	9.77	9.18	12.88	14.67	14.98	18.68	<=20	Pass
		Edge_1RB_Right	8.76	10.07	12.44	13.66	15.87	18.24	<=20	Pass
		Outer_Full	-0.24	-0.75	-5.31	4.66	5.05	0.49	<=20	Pass
		Inner_Full	3.66	2.96	-2.30	8.56	8.76	3.50	<=20	Pass
		Inner_1RB_Left	9.33	10.13	12.66	14.23	15.93	18.46	<=20	Pass
		Inner_1RB_Right	8.81	10.56	12.18	13.71	16.36	17.98	<=20	Pass
	3660	Edge_1RB_Left	8.08	8.99	12.76	12.98	14.79	18.56	<=20	Pass
		Edge_1RB_Right	9.02	10.32	11.61	13.92	16.12	17.41	<=20	Pass
		Outer_Full	0.98	-0.46	-5.14	5.88	5.34	0.66	<=20	Pass
		Inner_Full	2.87	3.01	-1.08	7.77	8.81	4.72	<=20	Pass
		Inner_1RB_Left	9.90	9.31	13.01	14.80	15.11	18.81	<=20	Pass
		Inner_1RB_Right	9.27	10.51	11.55	14.17	16.31	17.35	<=20	Pass



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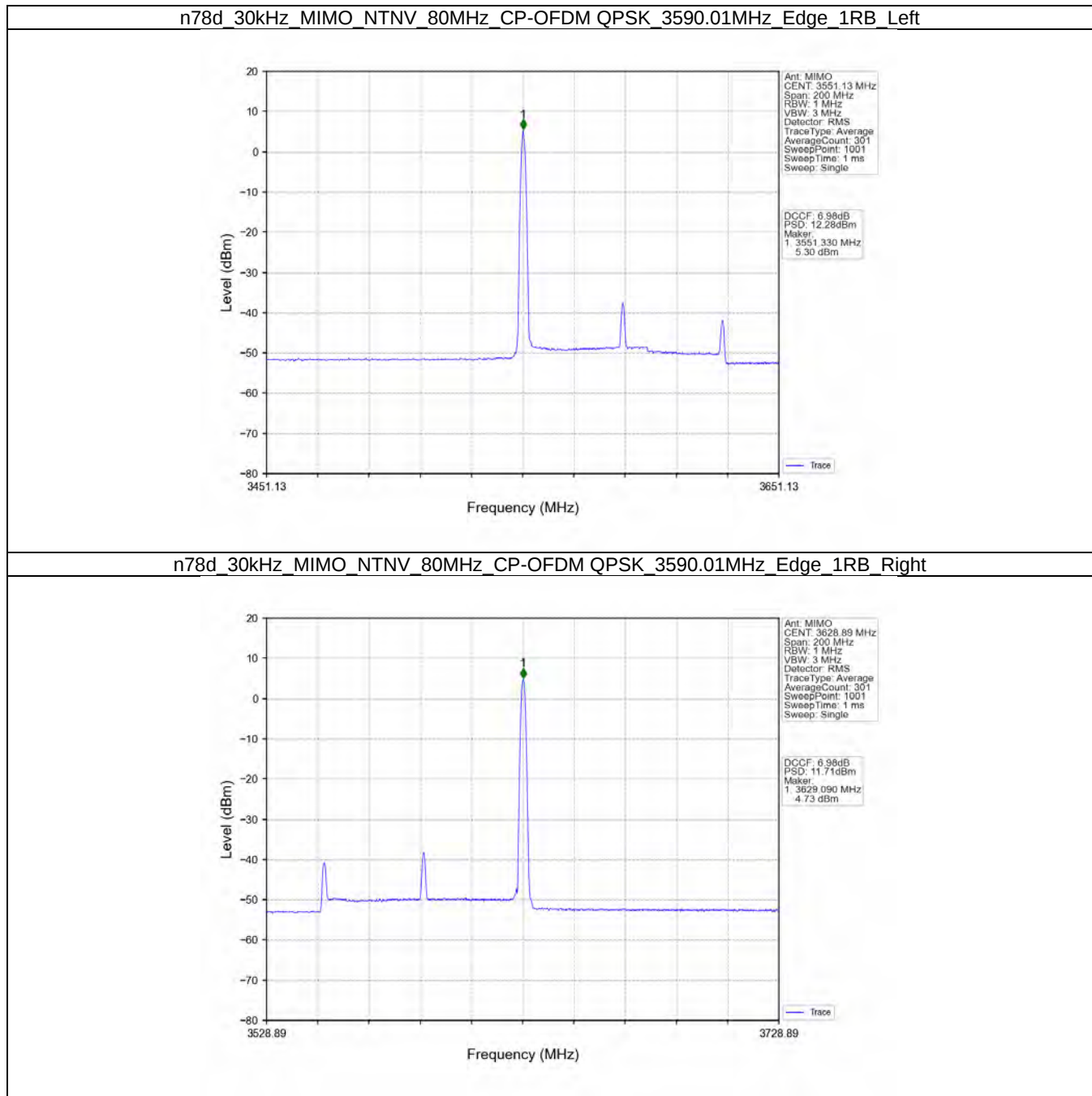
CP-OFDM 64 QAM	3590.01	Edge 1RB Left	8.93	9.91	12.51	13.83	15.71	18.31	<=20	Pass
		Edge 1RB Right	8.51	8.56	12.43	13.41	14.36	18.23	<=20	Pass
		Outer Full	-0.09	0.57	-4.78	4.81	6.37	1.02	<=20	Pass
		Inner Full	2.77	3.94	-1.84	7.67	9.74	3.96	<=20	Pass
		Inner 1RB Left	7.36	10.26	12.00	12.26	16.06	17.80	<=20	Pass
		Inner 1RB Right	8.30	8.25	13.38	13.20	14.05	19.18	<=20	Pass
	3624.99	Edge 1RB Left	9.84	9.71	12.11	14.74	15.51	17.91	<=20	Pass
		Edge 1RB Right	10.05	10.92	11.99	14.95	16.72	17.79	<=20	Pass
		Outer Full	0.59	0.43	-4.54	5.49	6.23	1.26	<=20	Pass
		Inner Full	2.41	3.37	-2.14	7.31	9.17	3.66	<=20	Pass
		Inner 1RB Left	9.26	8.53	13.02	14.16	14.33	18.82	<=20	Pass
		Inner 1RB Right	9.24	9.85	12.00	14.14	15.65	17.80	<=20	Pass
	3660	Edge 1RB Left	10.13	9.65	11.50	15.03	15.45	17.30	<=20	Pass
		Edge 1RB Right	8.75	9.00	12.97	13.65	14.80	18.77	<=20	Pass
		Outer Full	-0.25	0.42	-5.66	4.65	6.22	0.14	<=20	Pass
		Inner Full	3.44	3.23	-2.19	8.34	9.03	3.61	<=20	Pass
		Inner 1RB Left	9.60	9.61	11.38	14.50	15.41	17.18	<=20	Pass
		Inner 1RB Right	8.41	8.54	12.53	13.31	14.34	18.33	<=20	Pass
CP-OFDM 256 QAM	3590.01	Edge 1RB Left	8.41	8.35	13.24	13.31	14.15	19.04	<=20	Pass
		Edge 1RB Right	7.23	10.42	11.18	12.13	16.22	16.98	<=20	Pass
		Outer Full	-0.10	0.61	-4.31	4.80	6.41	1.49	<=20	Pass
		Inner Full	3.87	4.02	-1.96	8.77	9.82	3.84	<=20	Pass
		Inner 1RB Left	10.06	10.35	12.79	14.96	16.15	18.59	<=20	Pass
		Inner 1RB Right	9.19	7.45	12.73	14.09	13.25	18.53	<=20	Pass
	3624.99	Edge 1RB Left	10.99	10.36	12.43	15.89	16.16	18.23	<=20	Pass
		Edge 1RB Right	9.39	9.44	10.54	14.29	15.24	16.34	<=20	Pass
		Outer Full	0.67	0.57	-4.69	5.57	6.37	1.11	<=20	Pass
		Inner Full	2.63	3.97	-2.19	7.53	9.77	3.61	<=20	Pass
		Inner 1RB Left	9.62	10.06	12.86	14.52	15.86	18.66	<=20	Pass
		Inner 1RB Right	8.67	10.44	13.01	13.57	16.24	18.81	<=20	Pass
	3660	Edge 1RB Left	10.05	10.37	12.85	14.95	16.17	18.65	<=20	Pass
		Edge 1RB Right	8.86	9.40	12.28	13.76	15.20	18.08	<=20	Pass
		Outer Full	-0.61	1.11	-5.11	4.29	6.91	0.69	<=20	Pass
		Inner Full	2.96	3.90	-1.96	7.86	9.70	3.84	<=20	Pass
		Inner 1RB Left	10.07	8.91	12.96	14.97	14.71	18.76	<=20	Pass
		Inner 1RB Right	9.56	9.25	12.10	14.46	15.05	17.90	<=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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2.27.2 Test Graph



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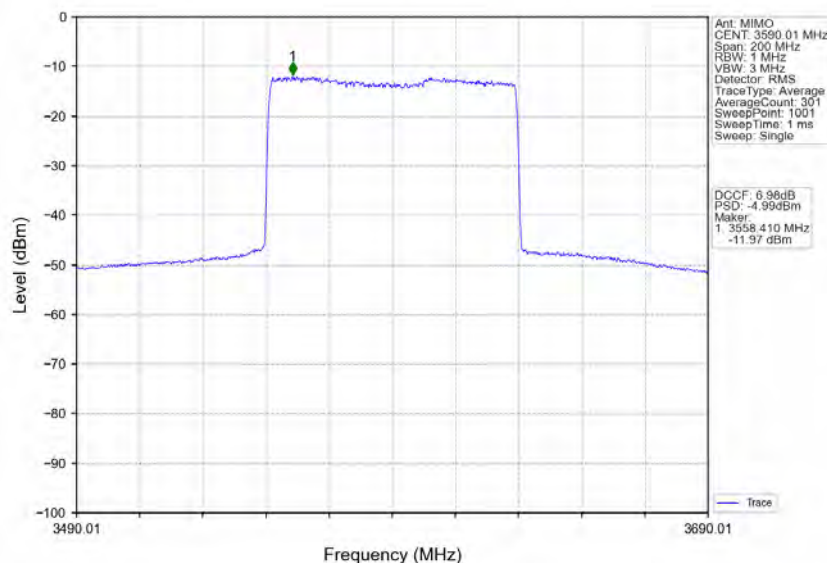
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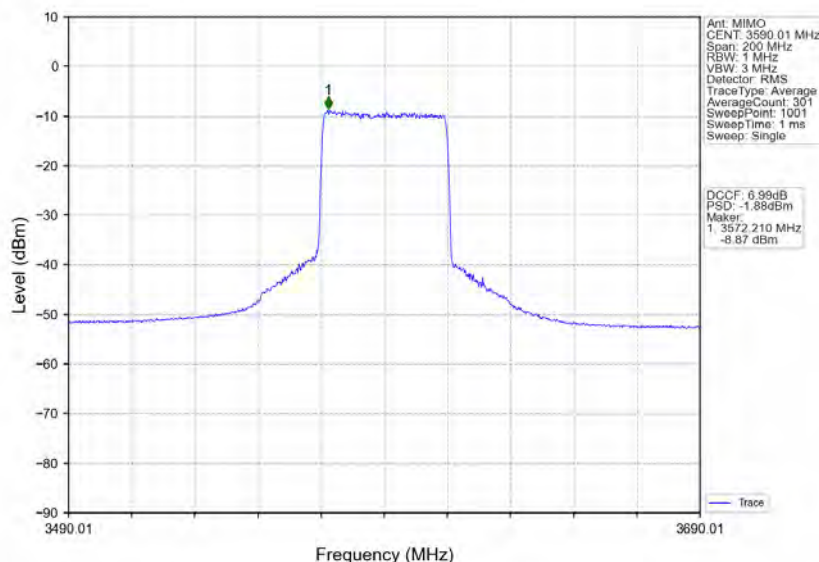
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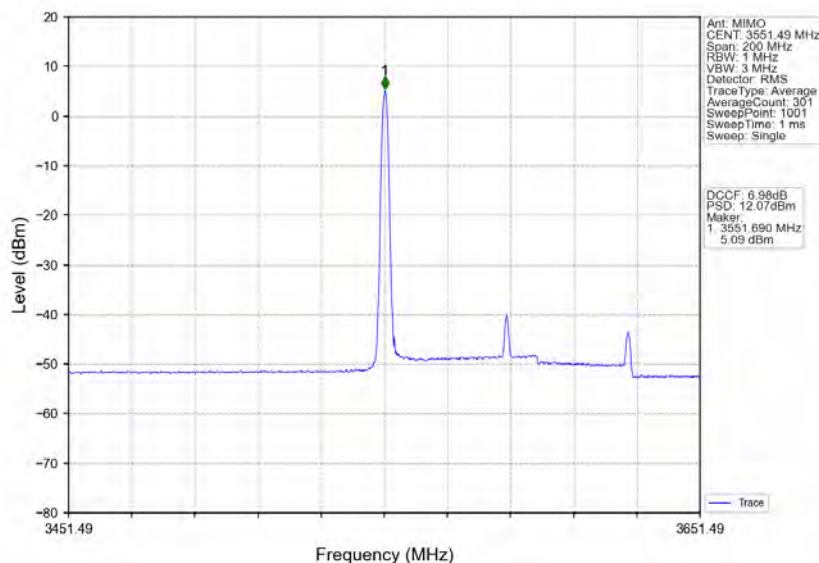
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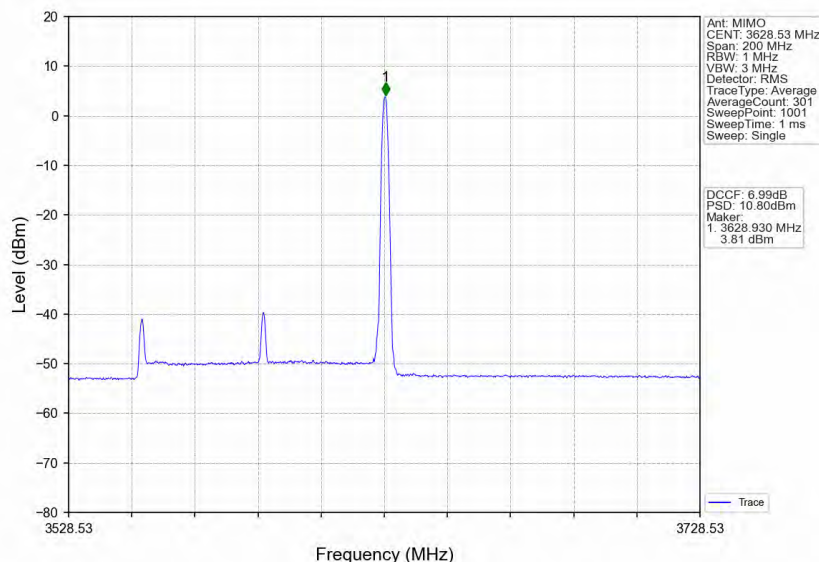
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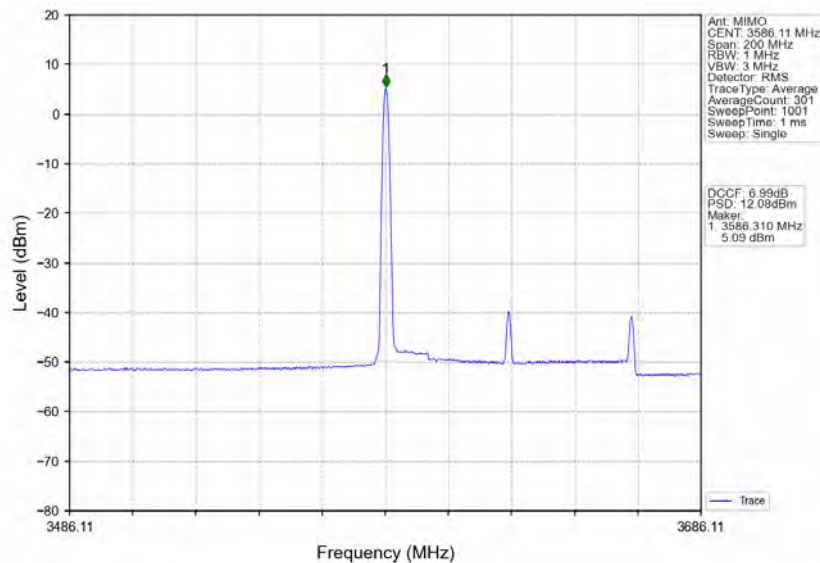
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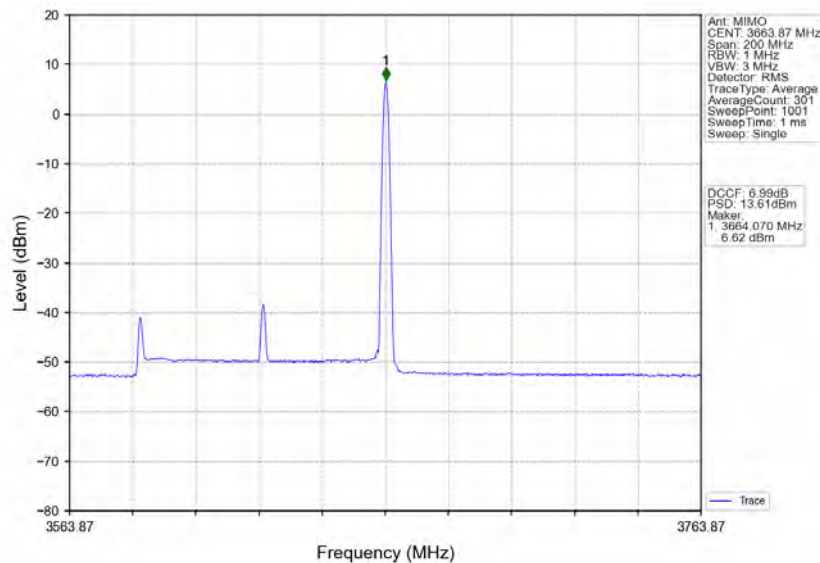
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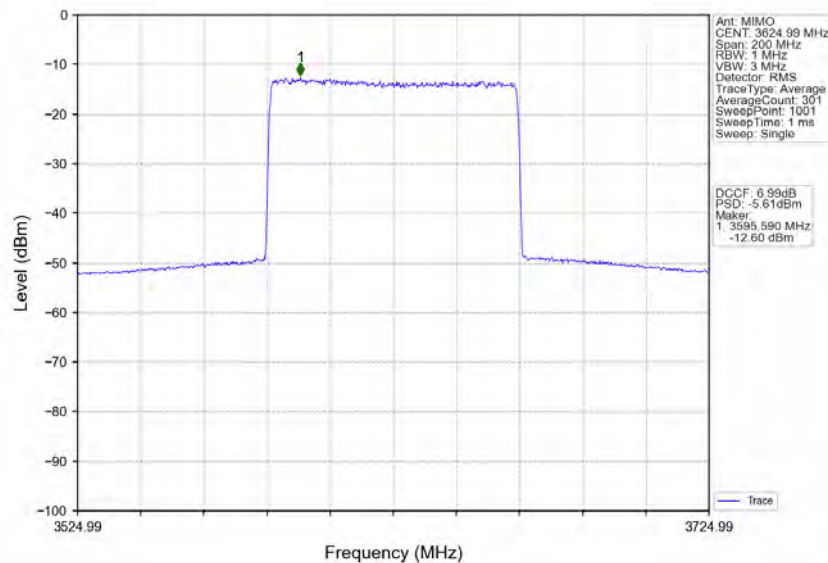
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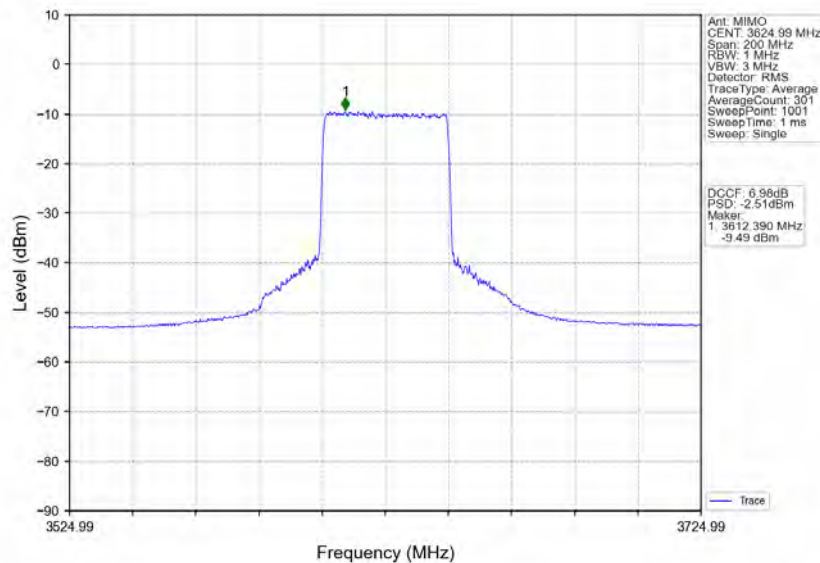
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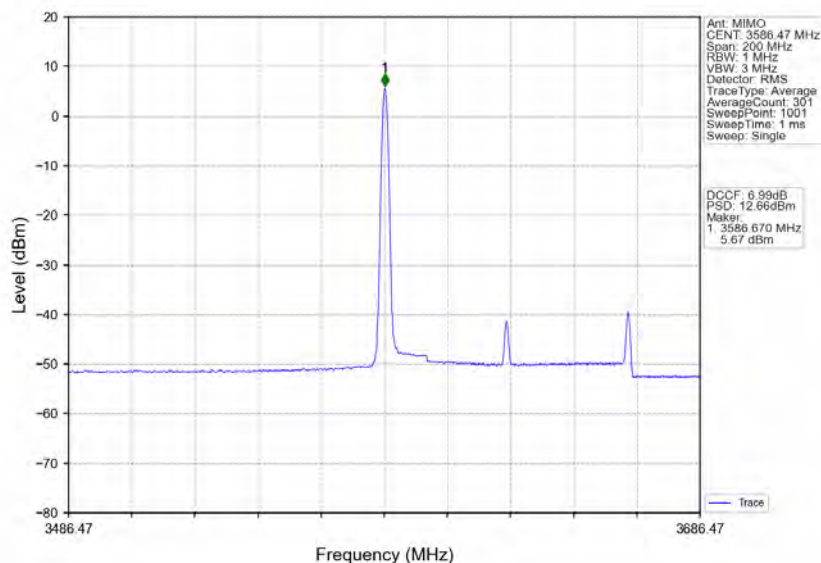
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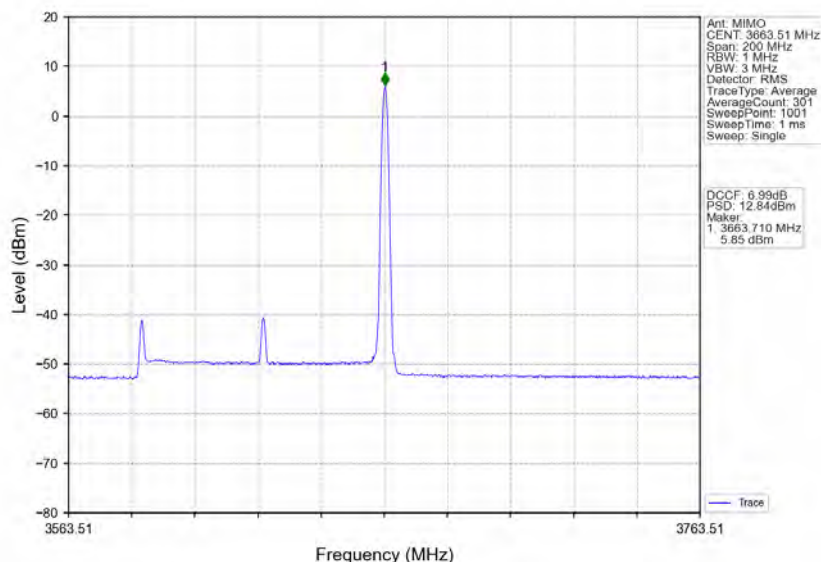
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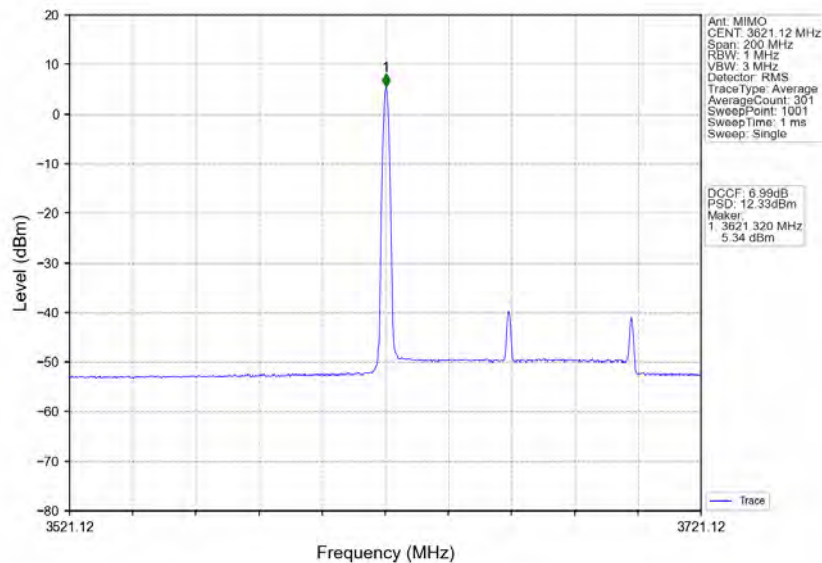
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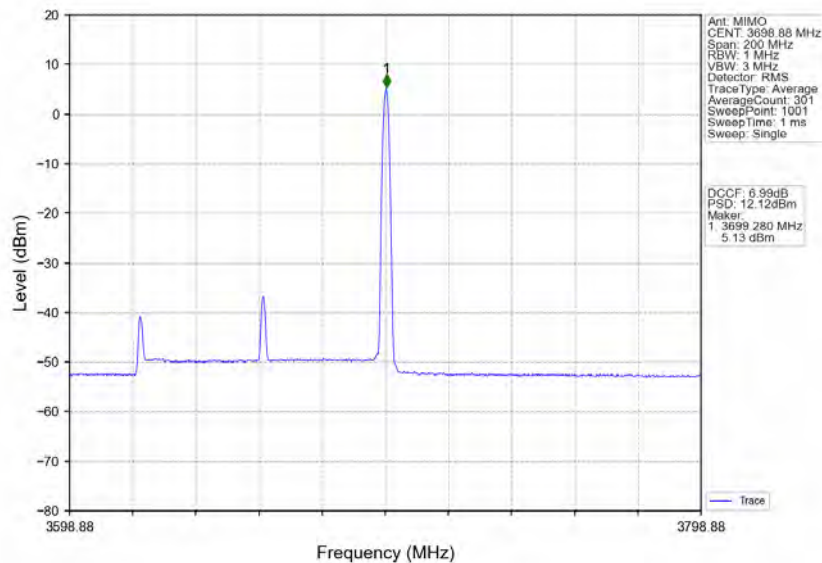
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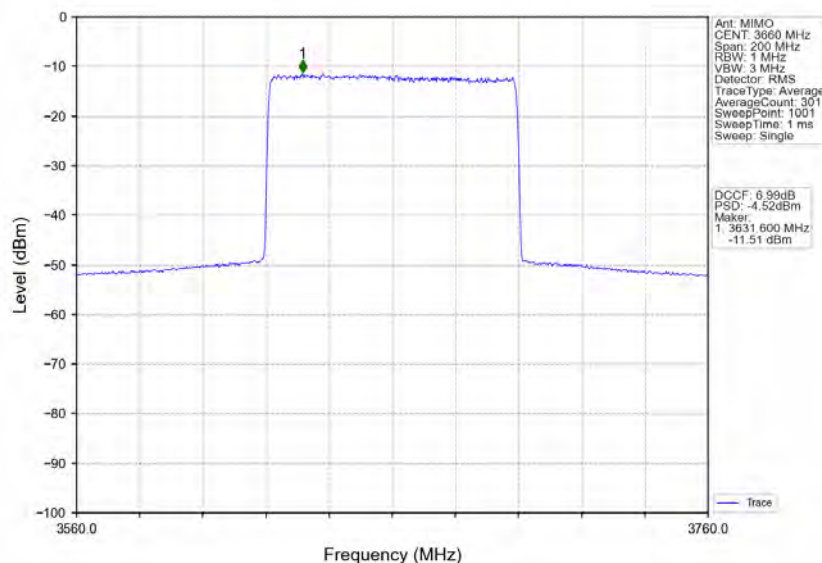
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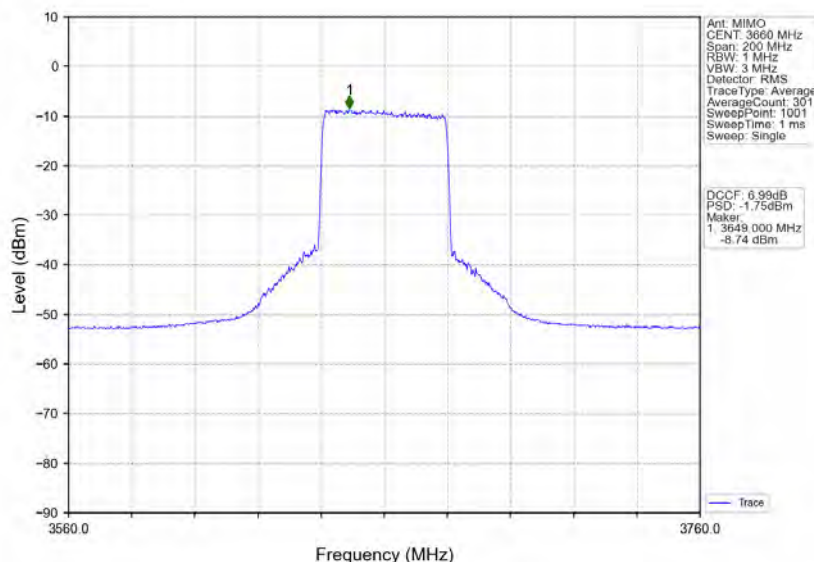
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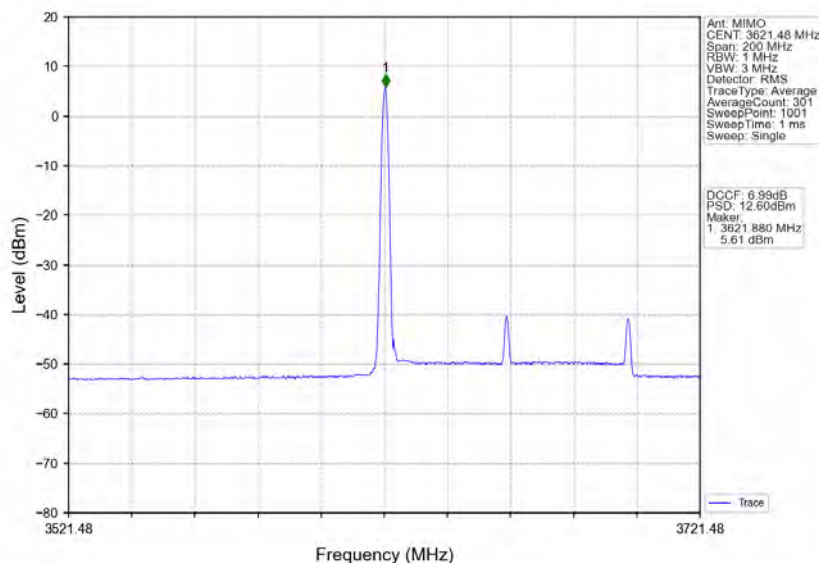
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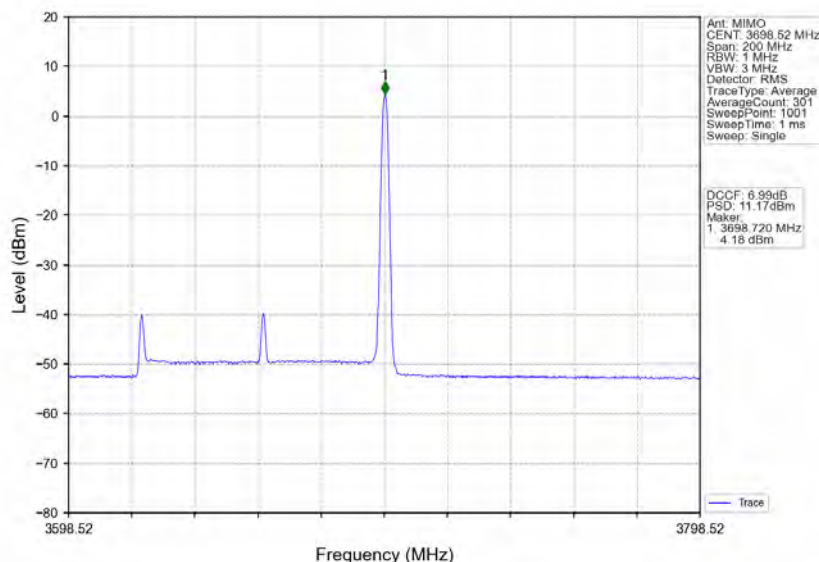
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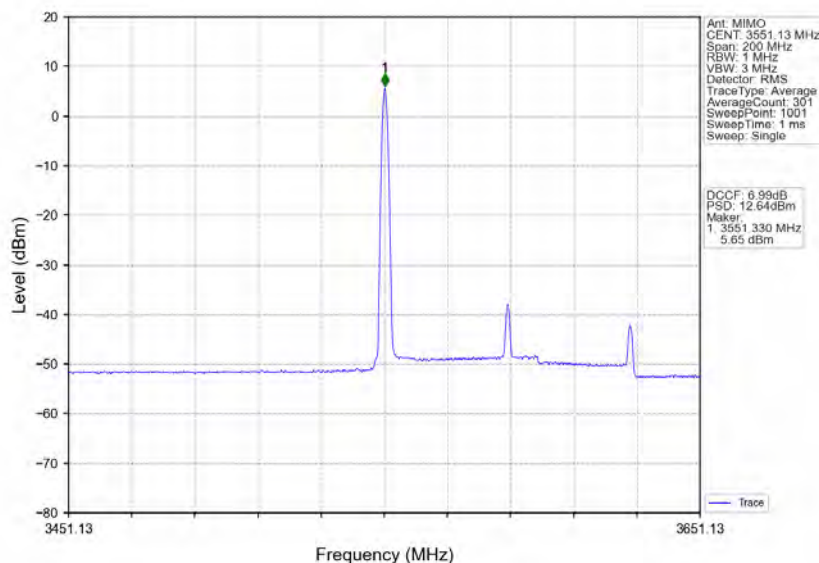
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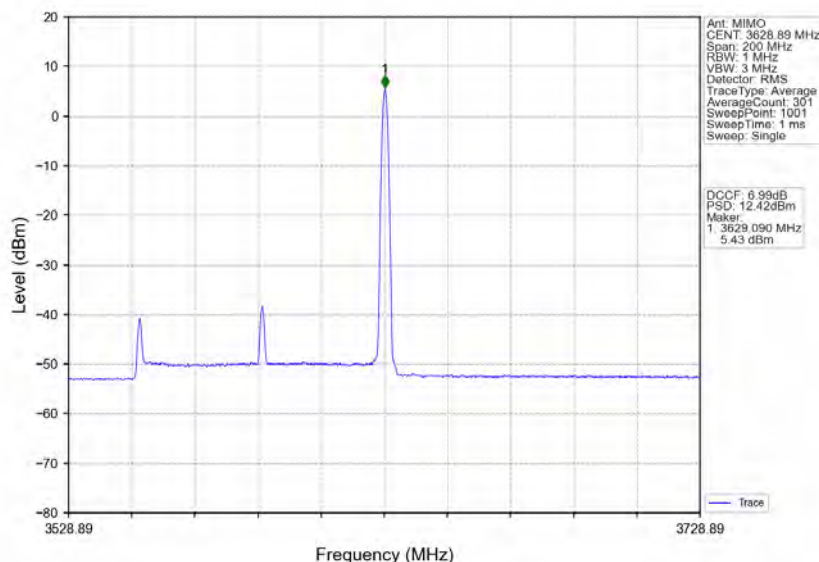
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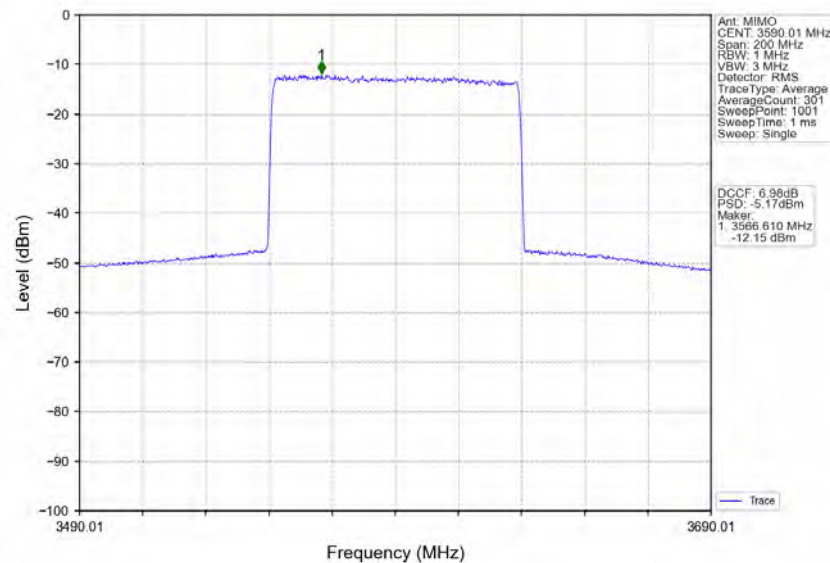
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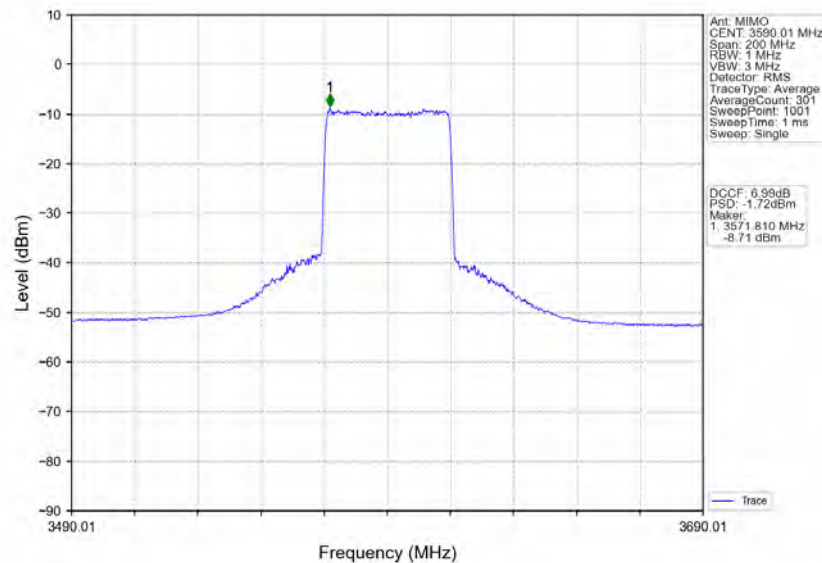
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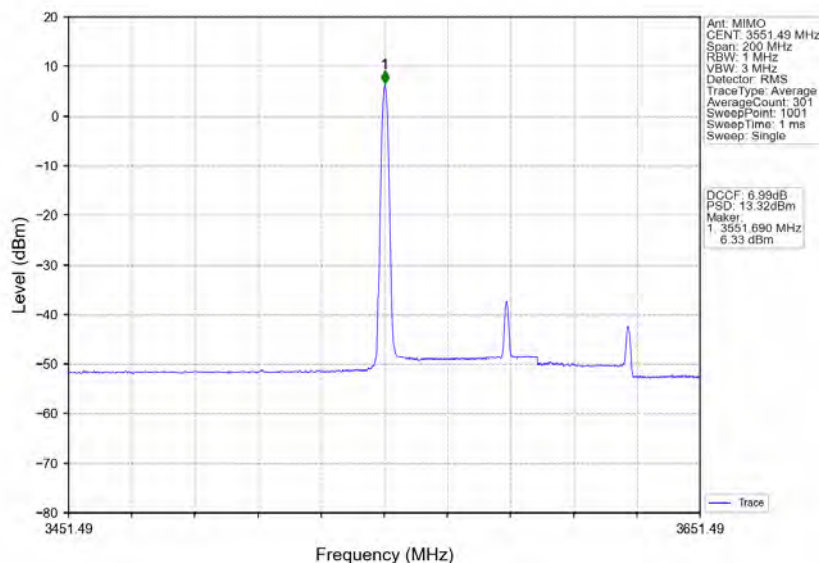
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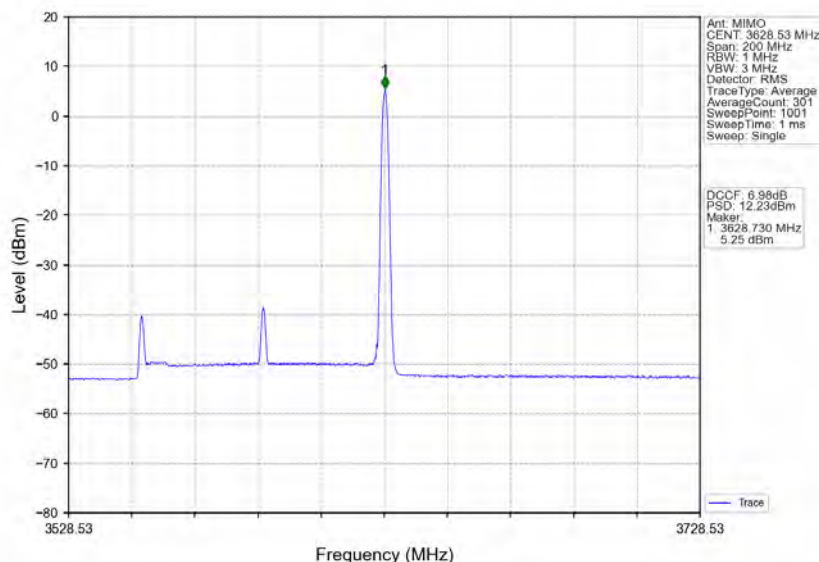
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n78d_30kHz_MIMO_NTNV_80MHz_CP-OFDM 16 QAM_3590.01MHz_Inner_1RB_Left



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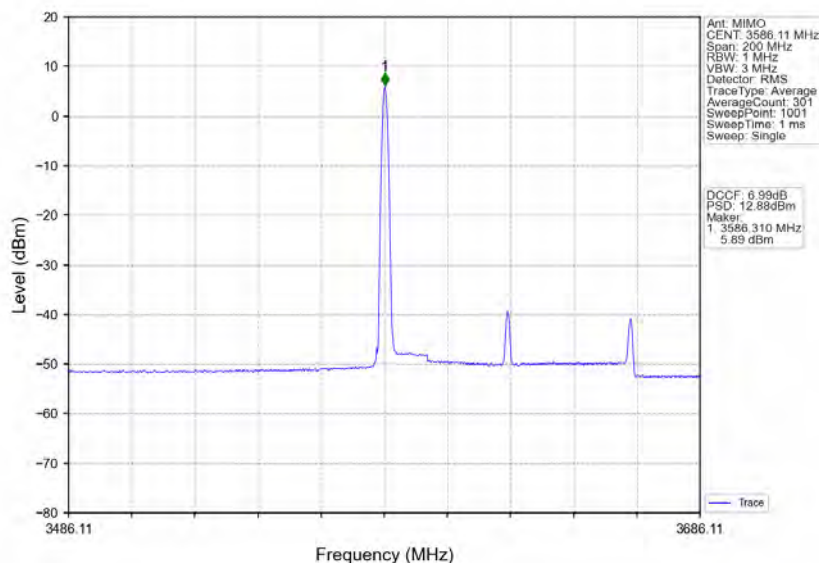
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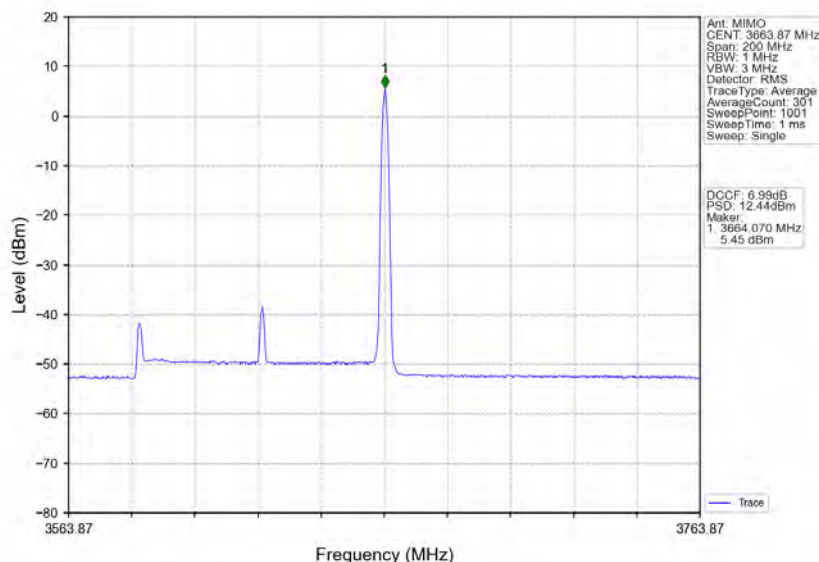
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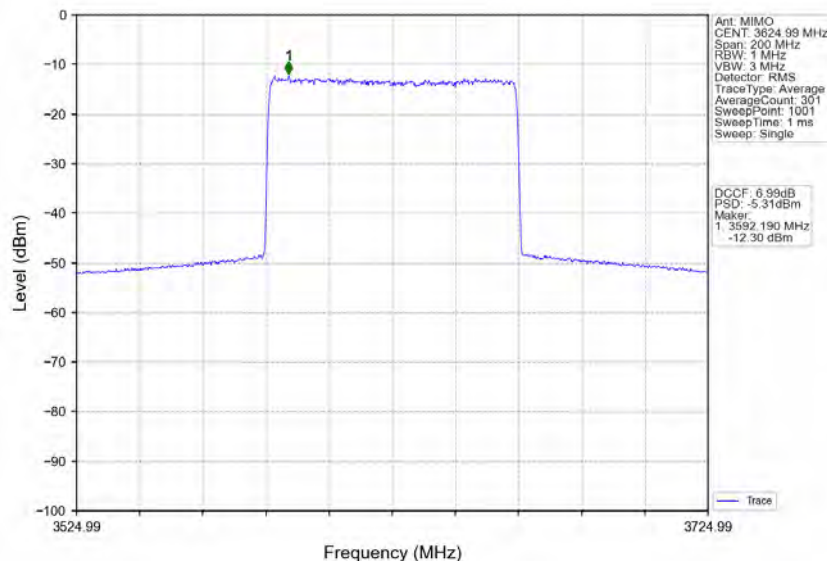
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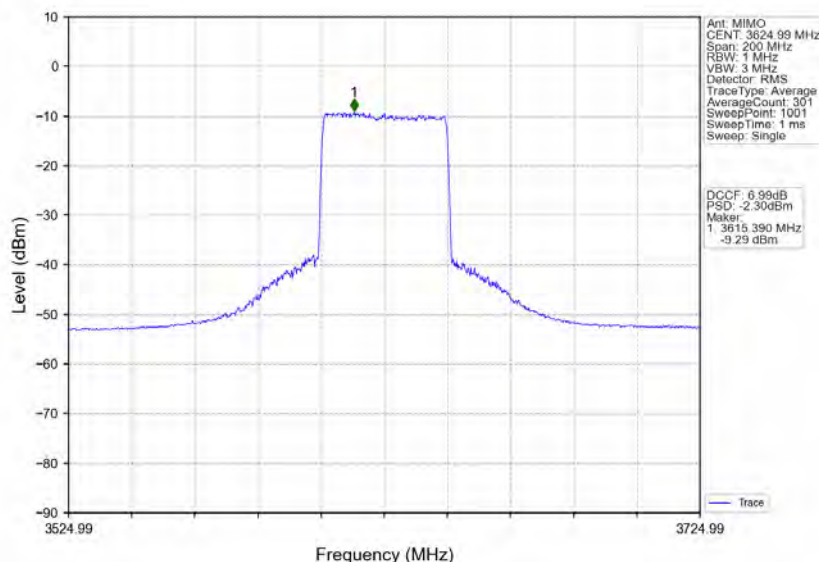
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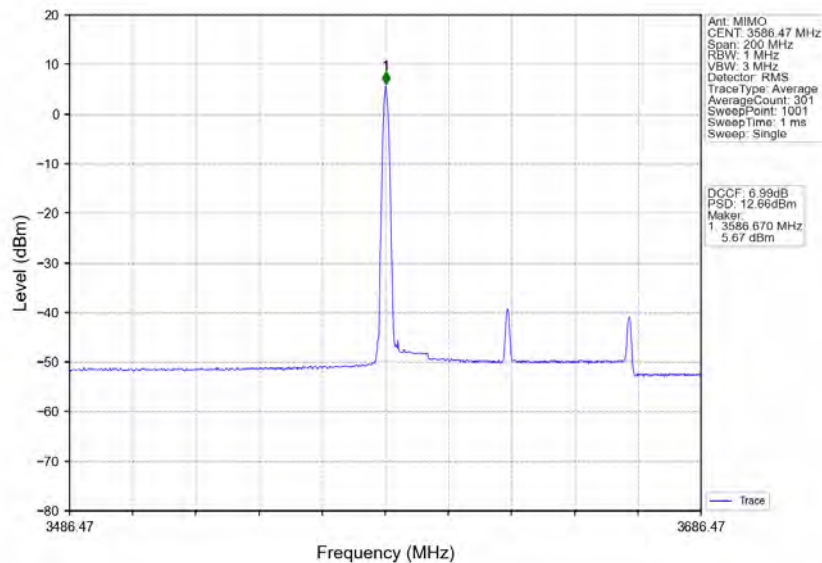
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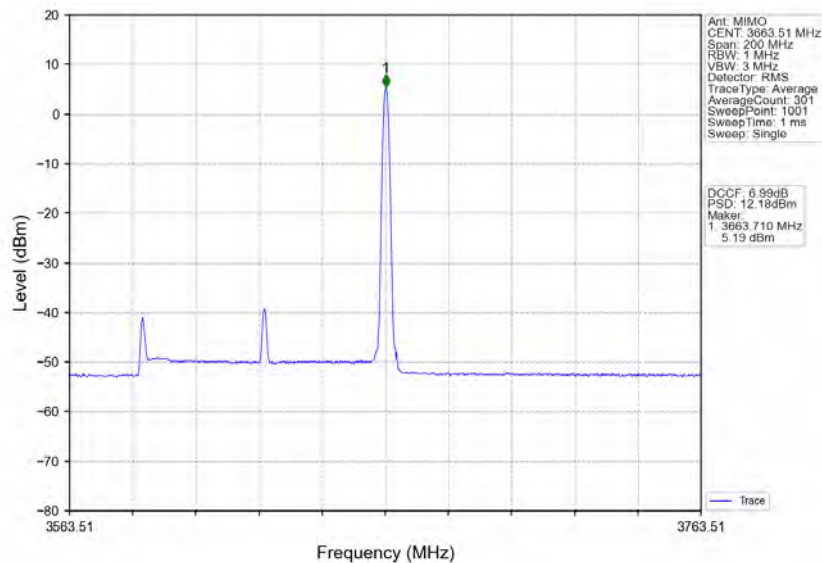
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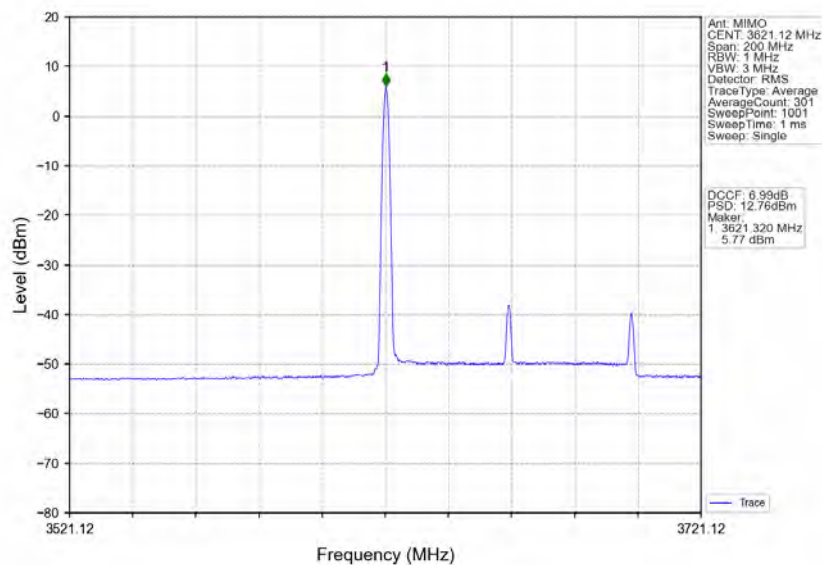
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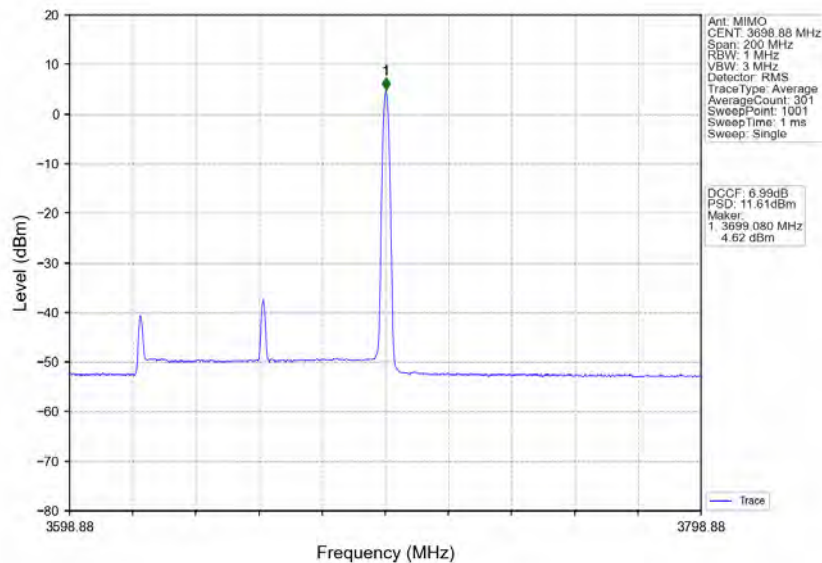
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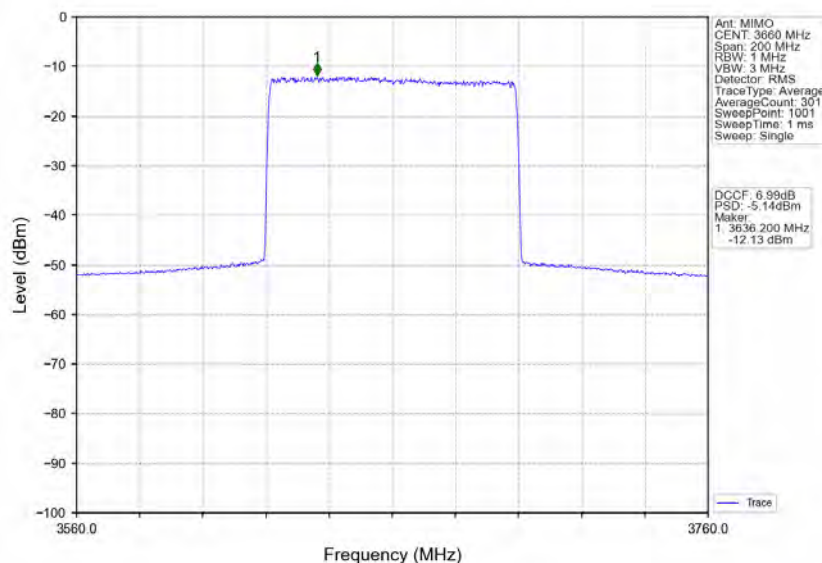
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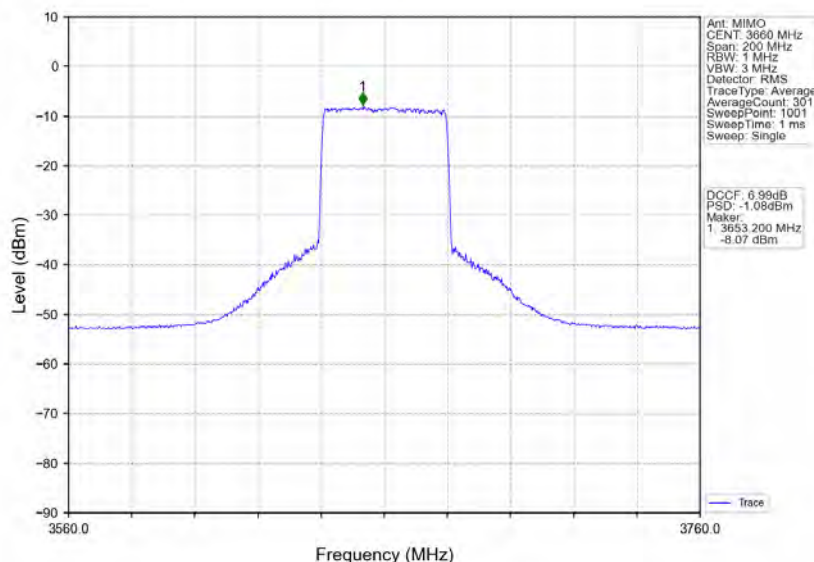
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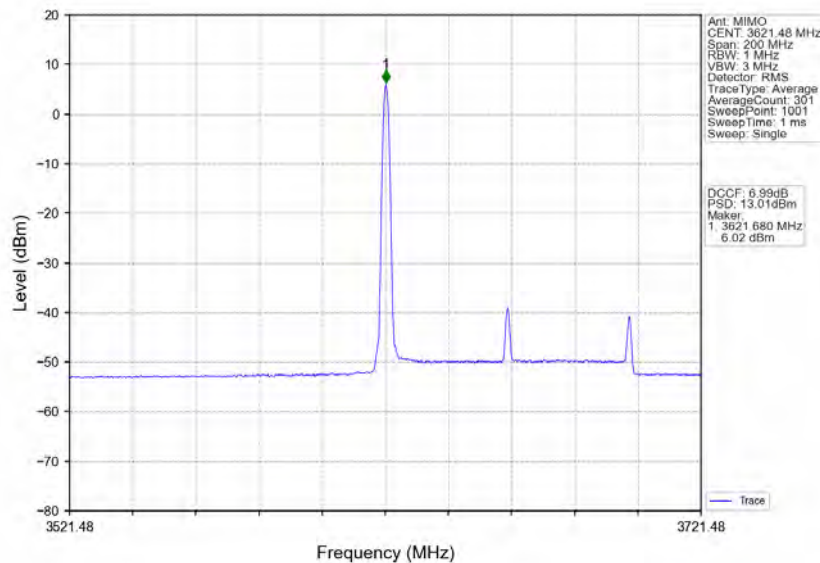
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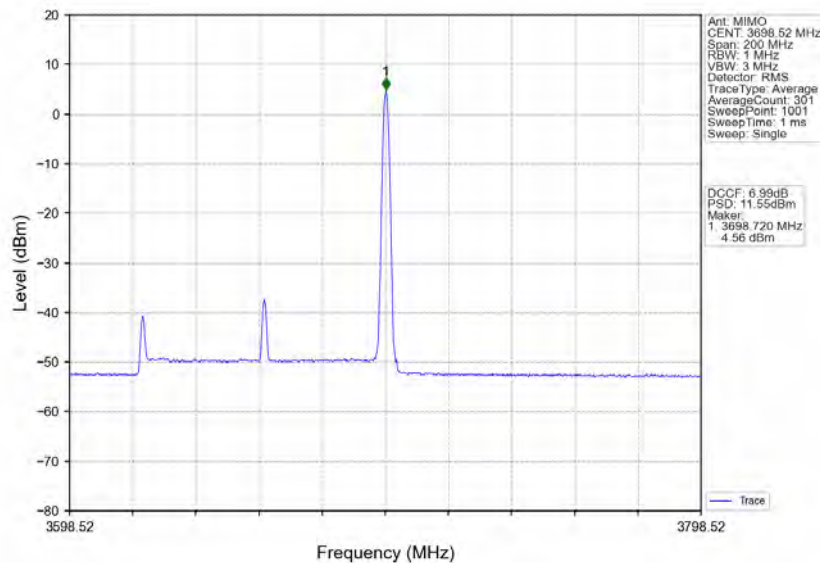
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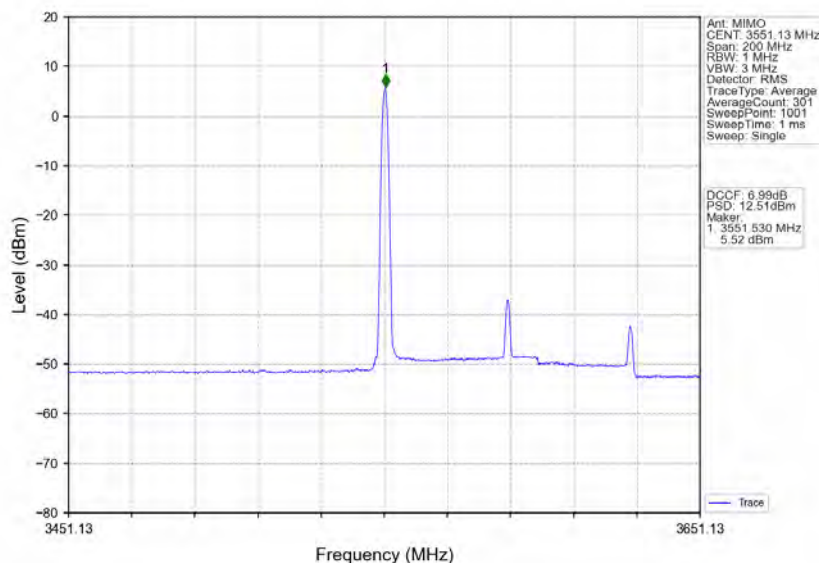
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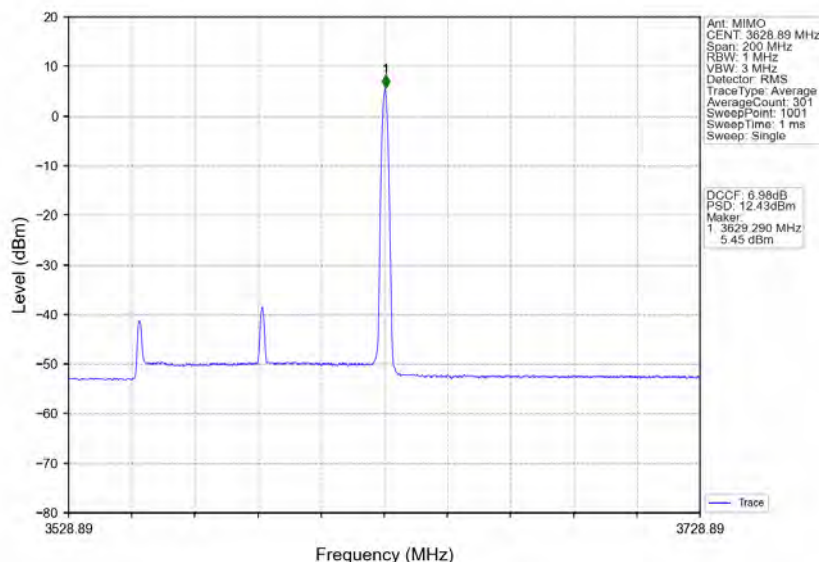
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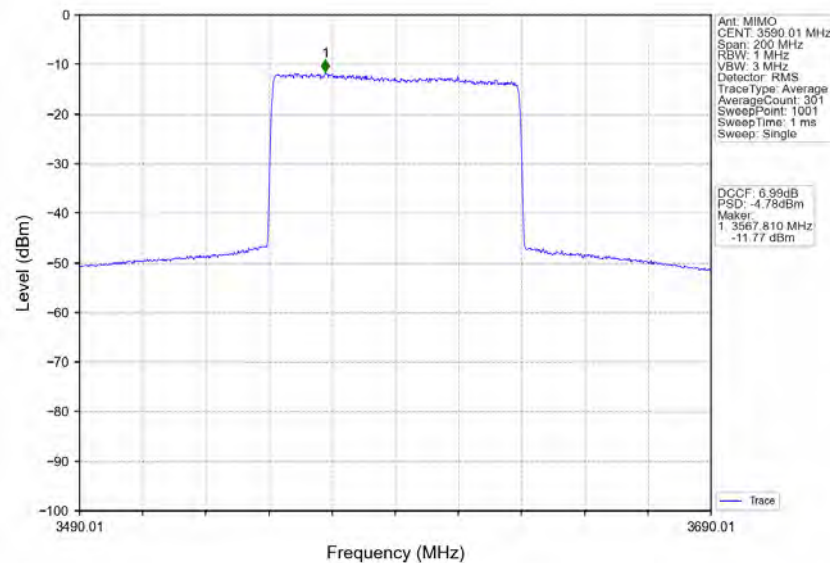
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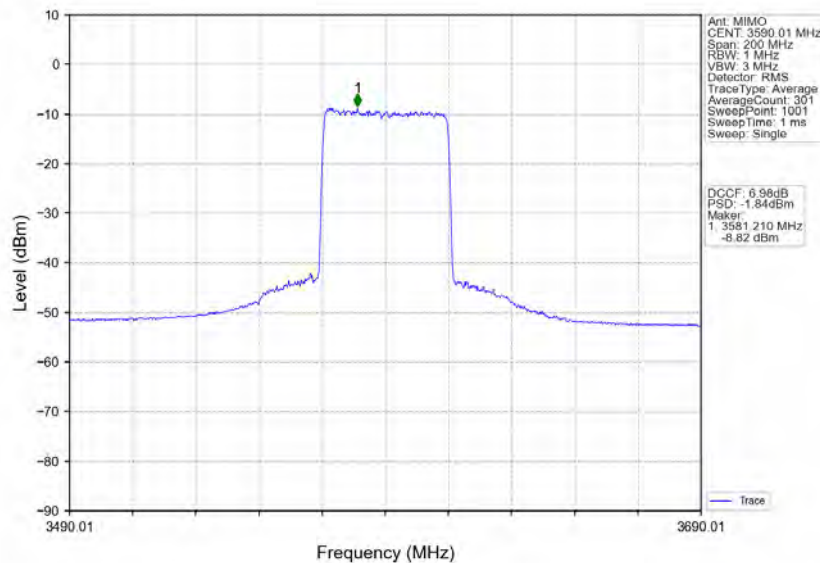
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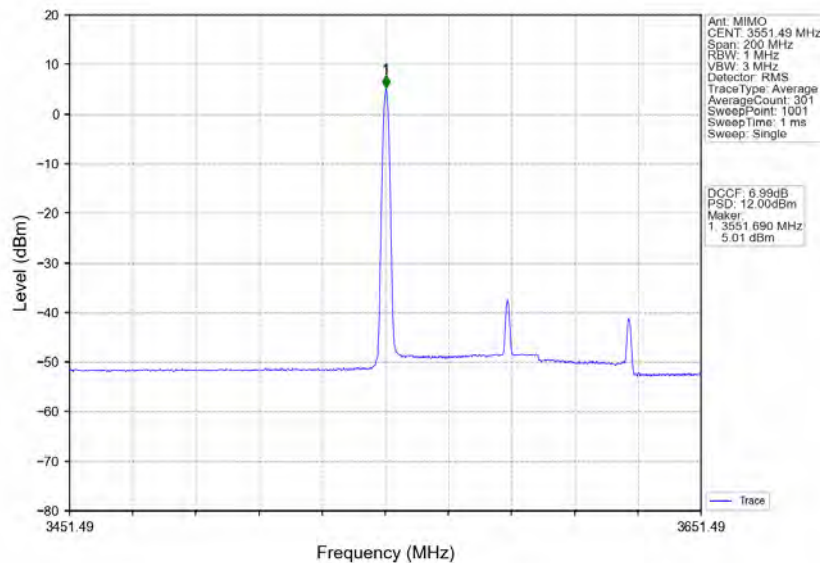
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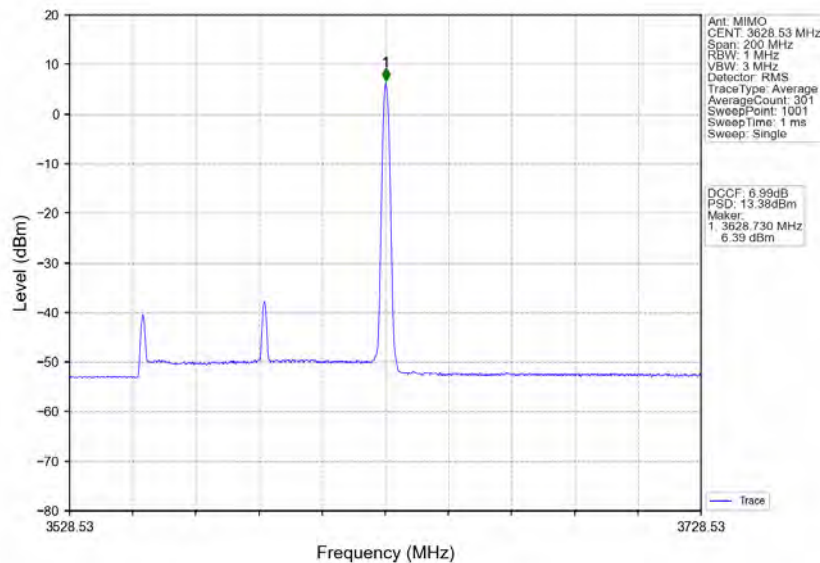
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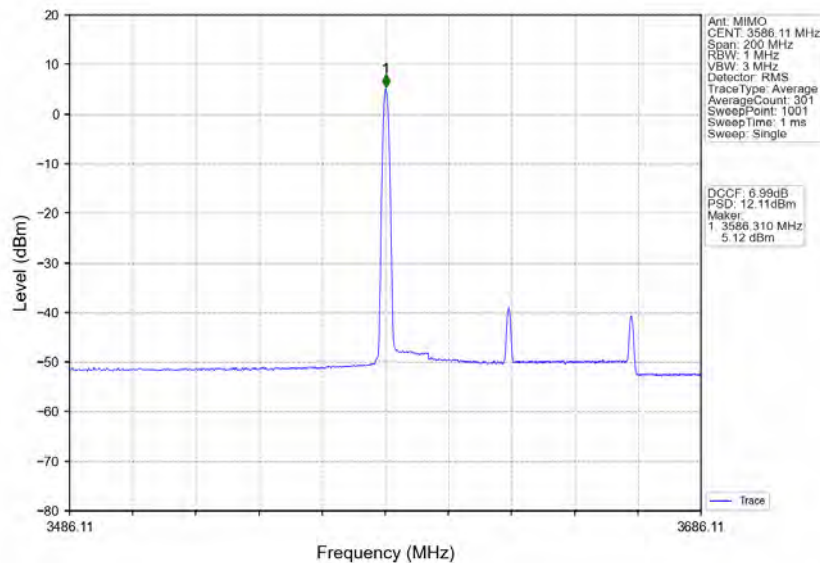
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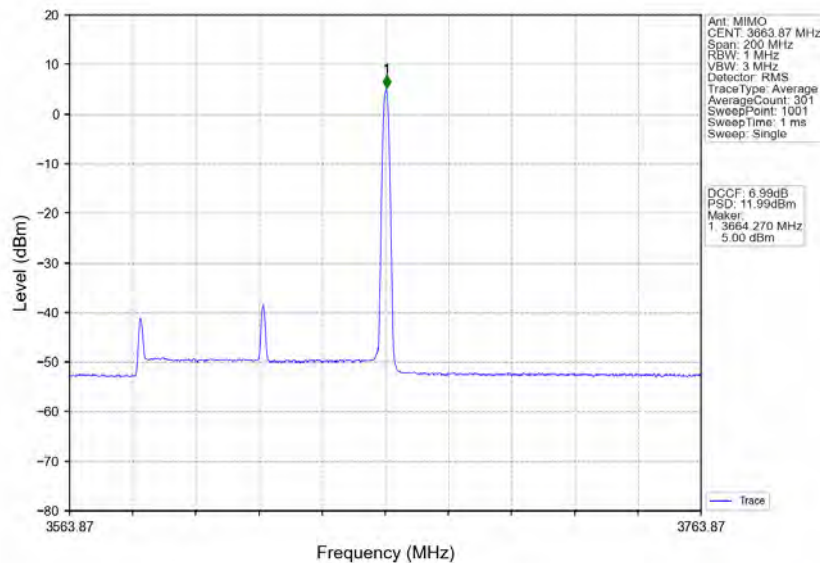
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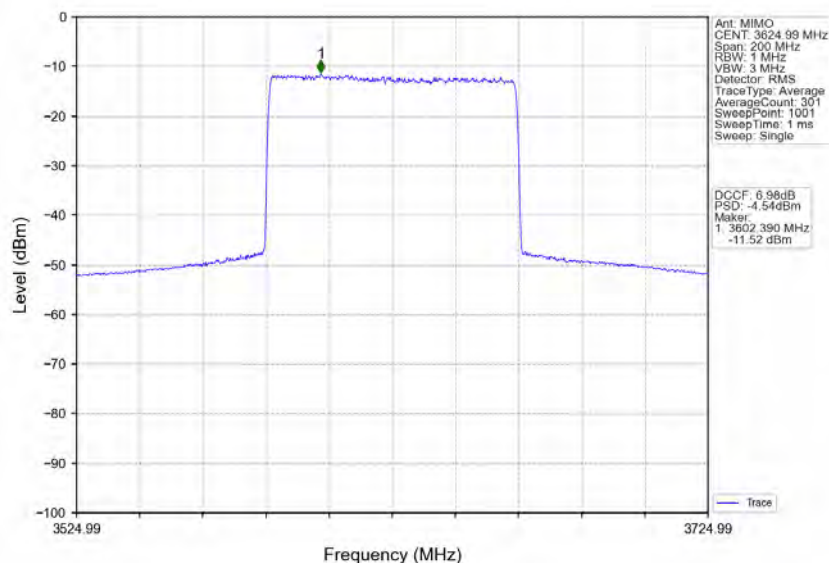
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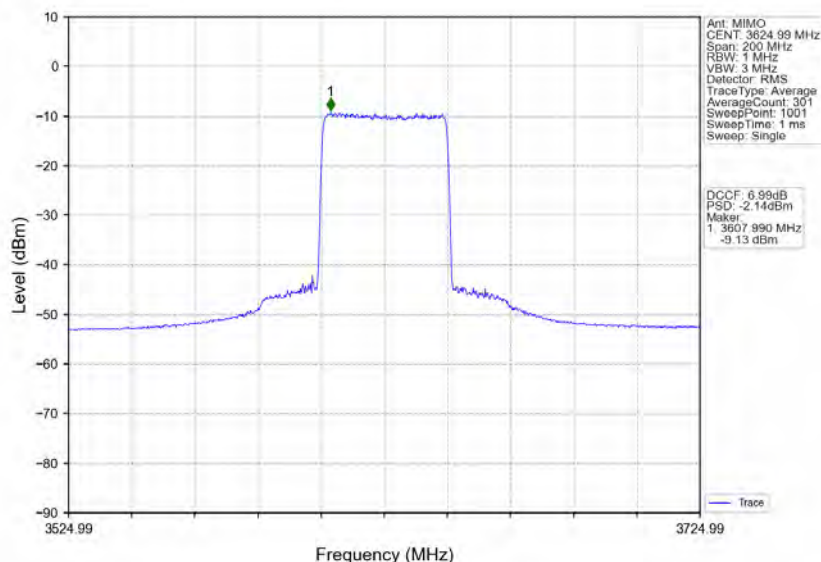
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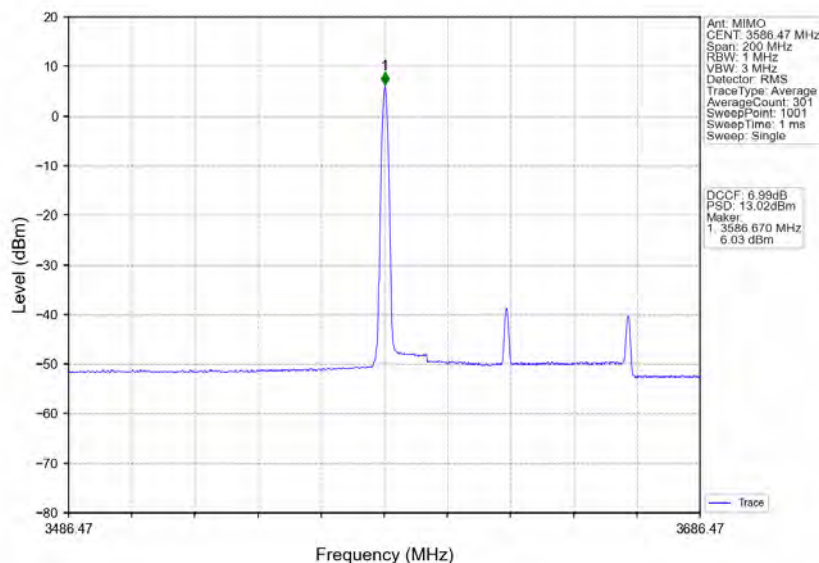
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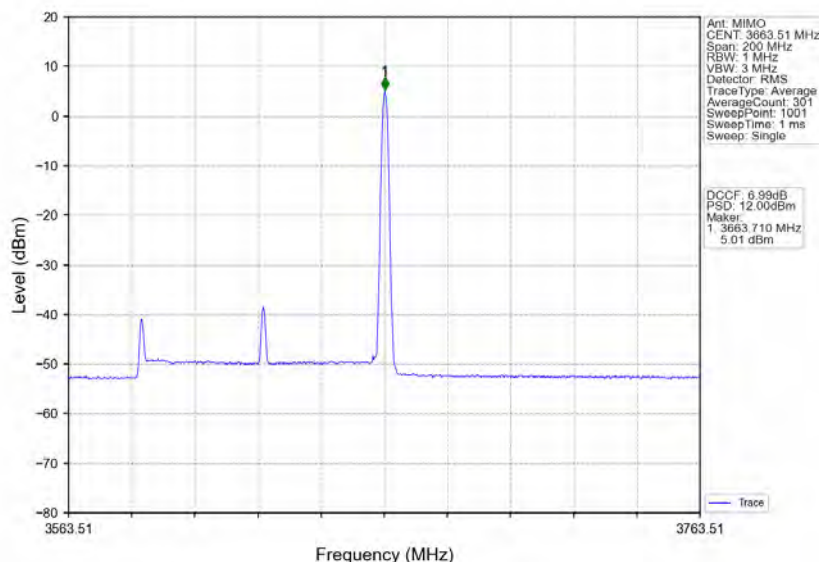
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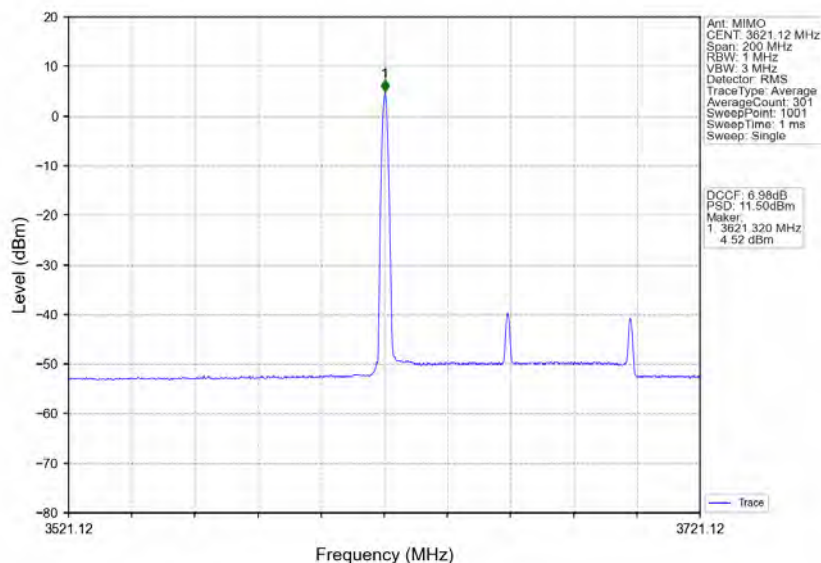
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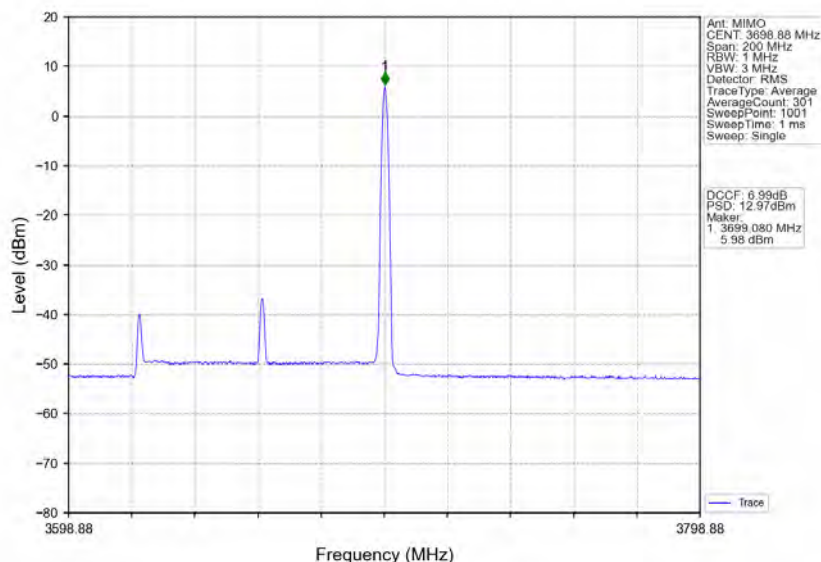
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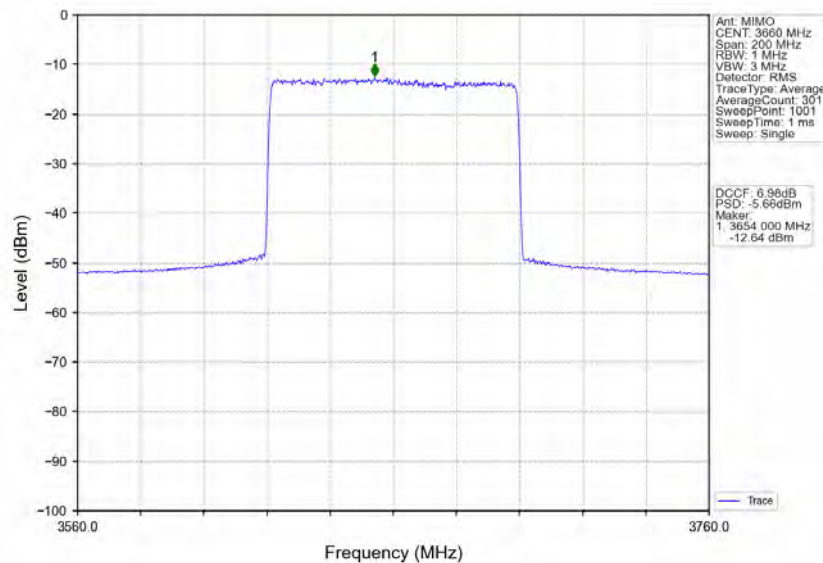
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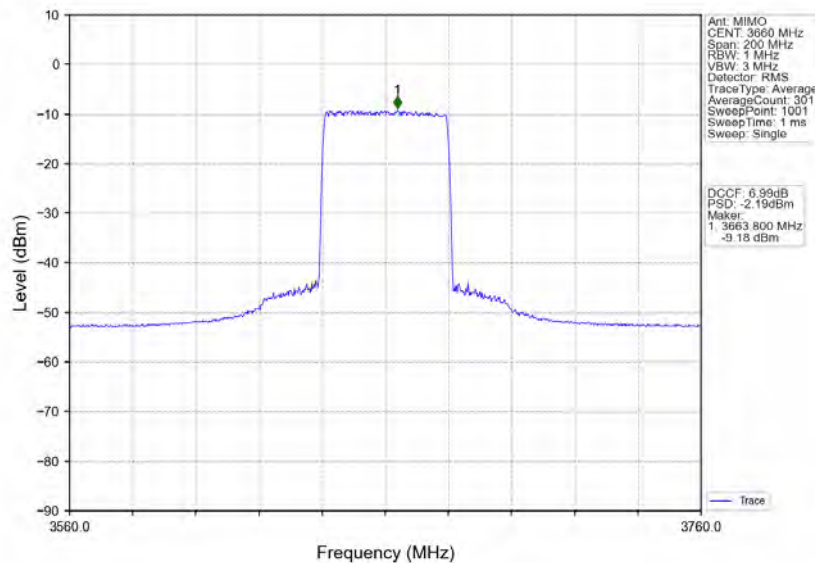
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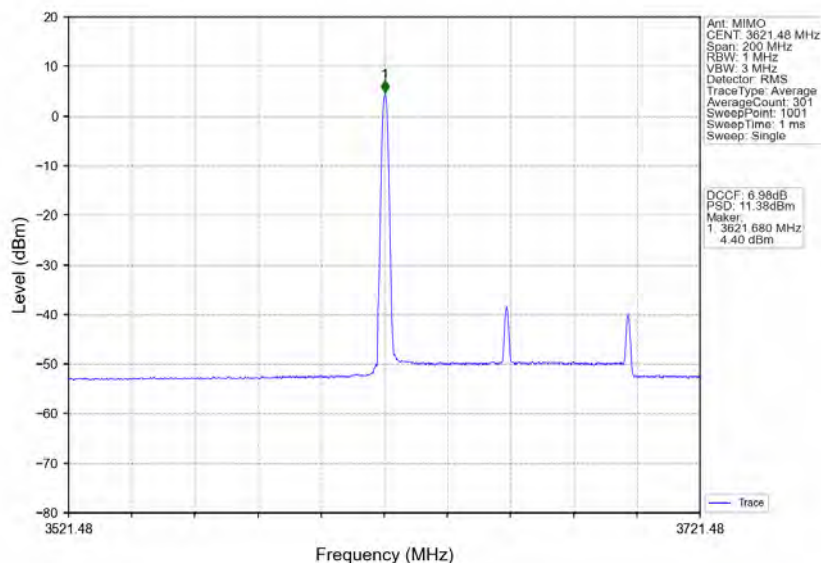
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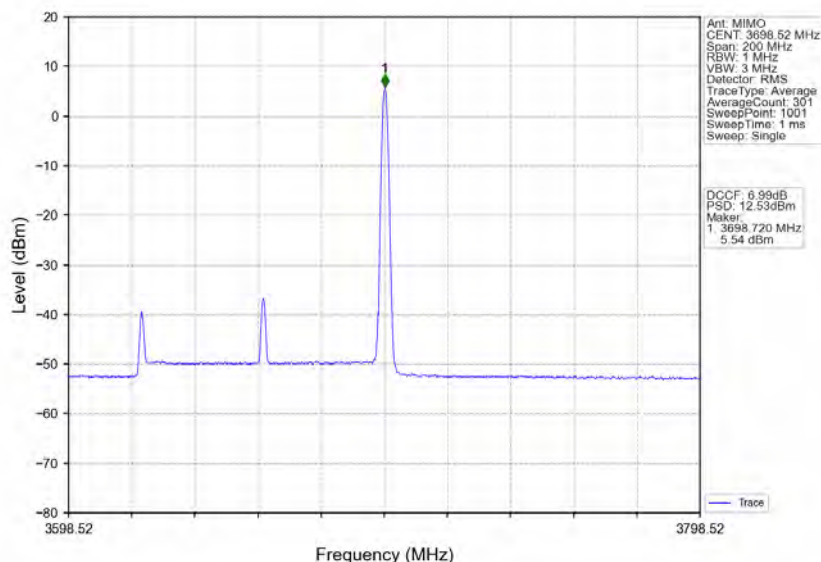
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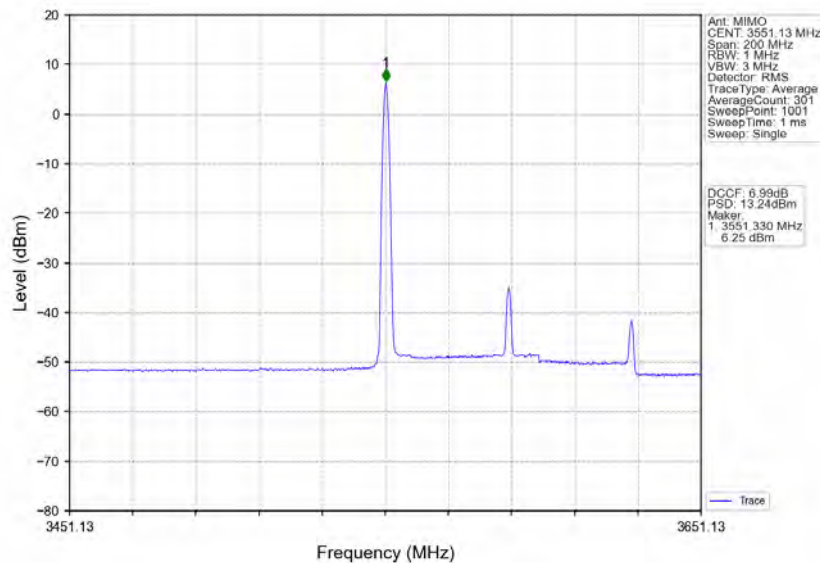
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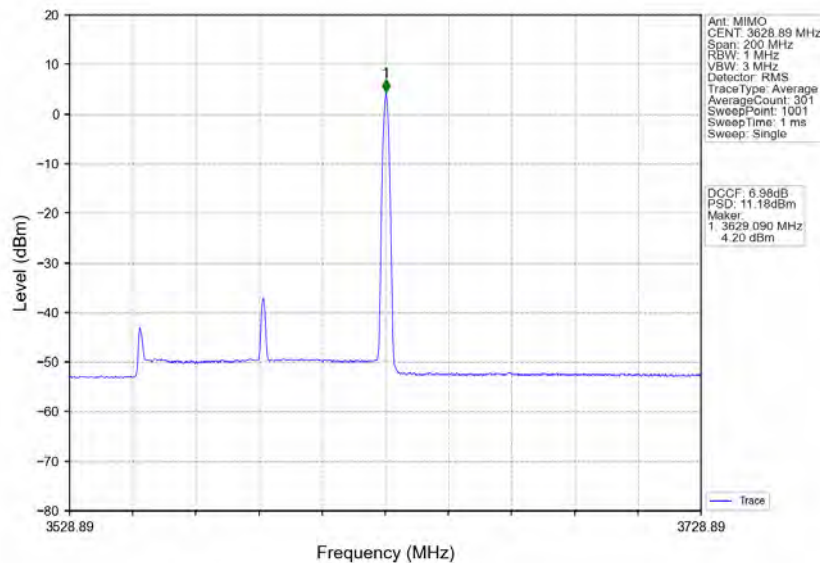
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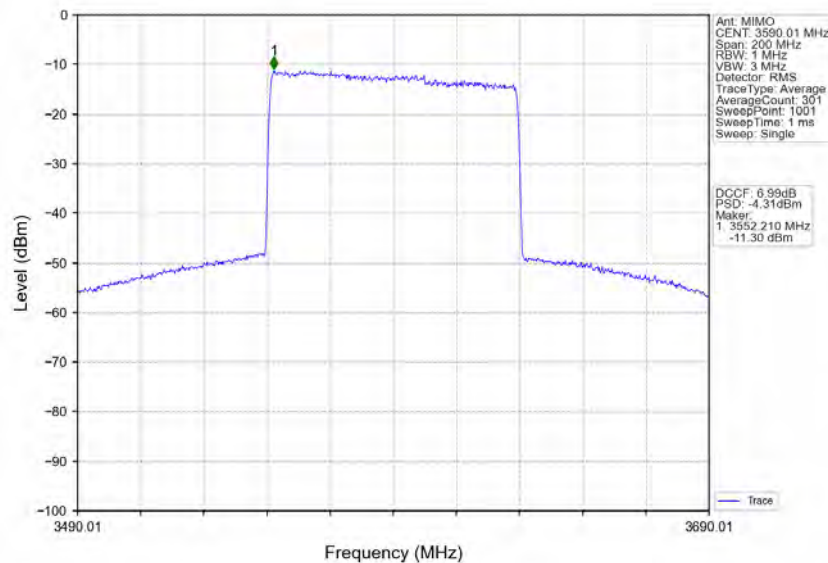
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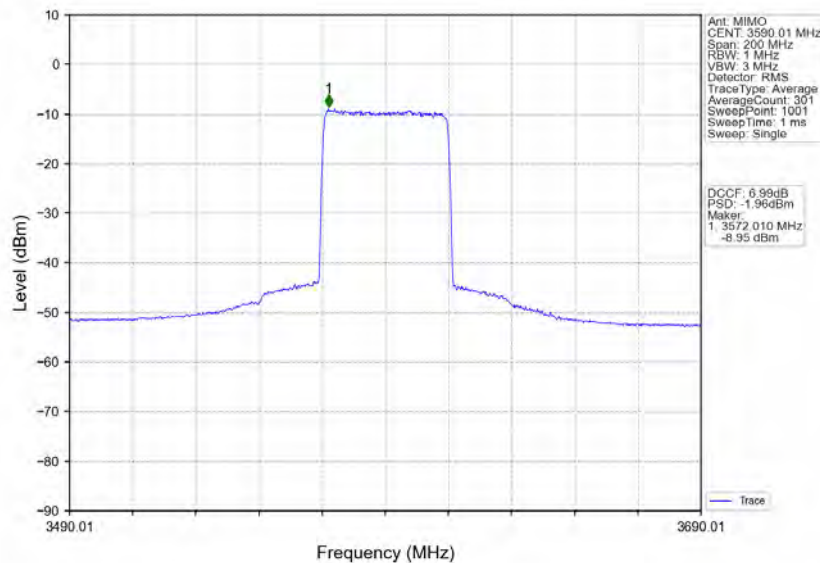
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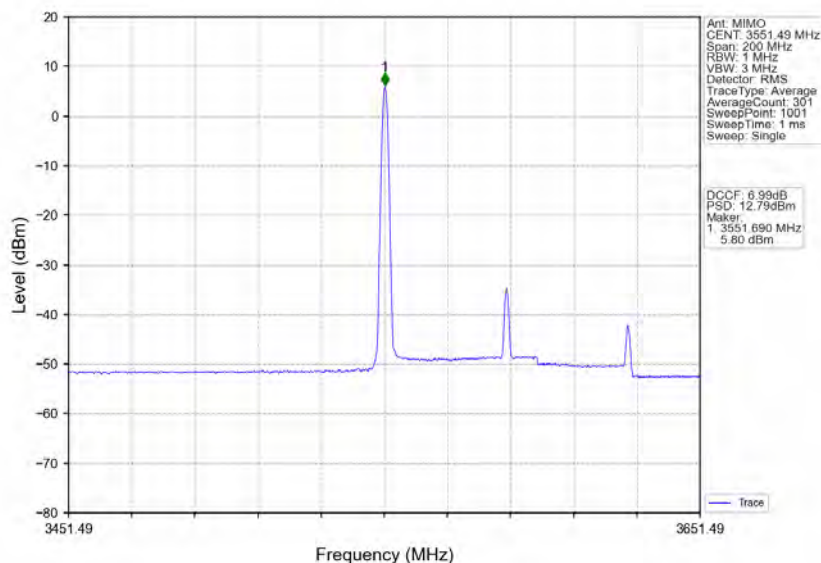
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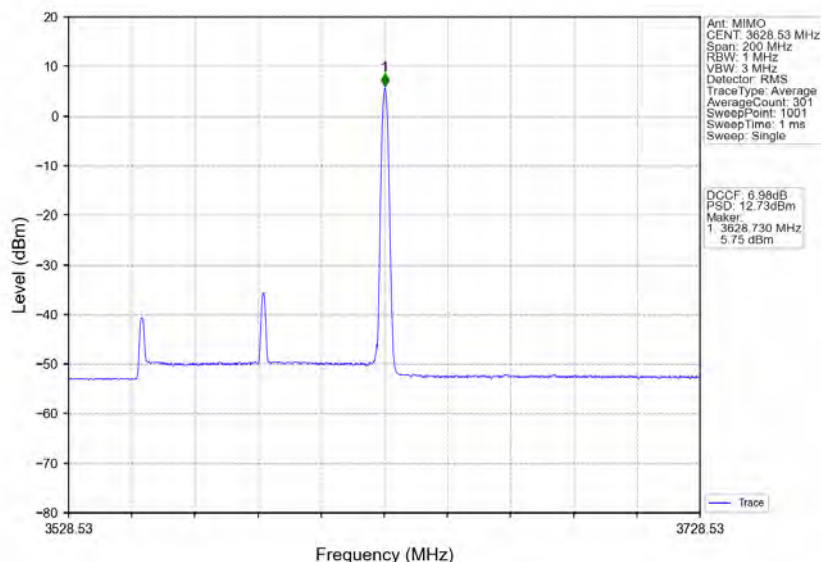
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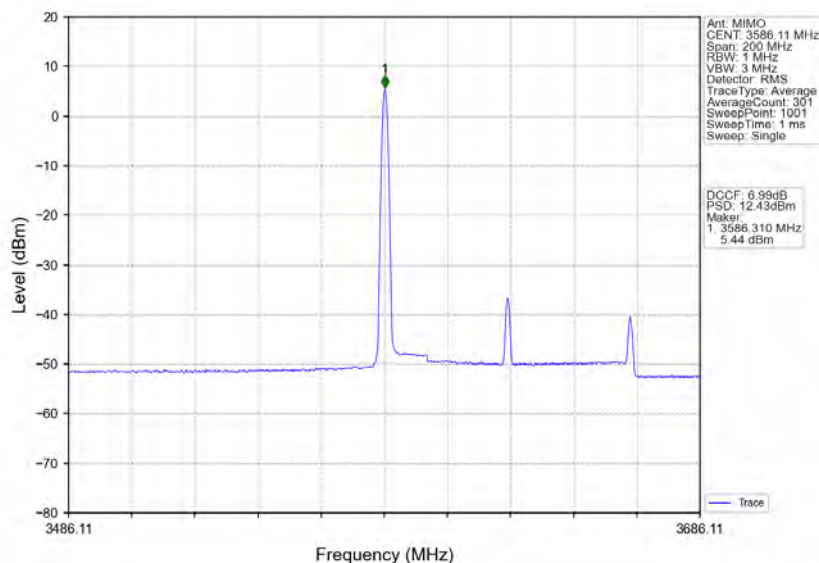
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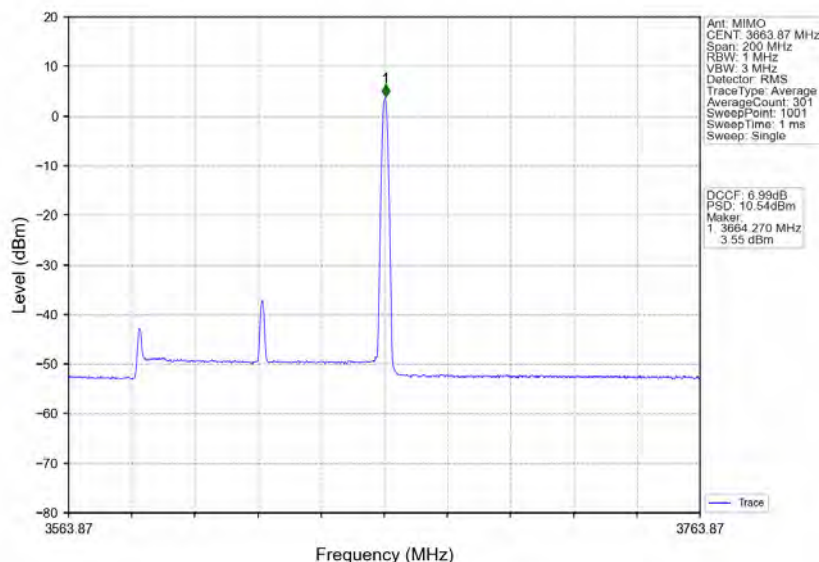
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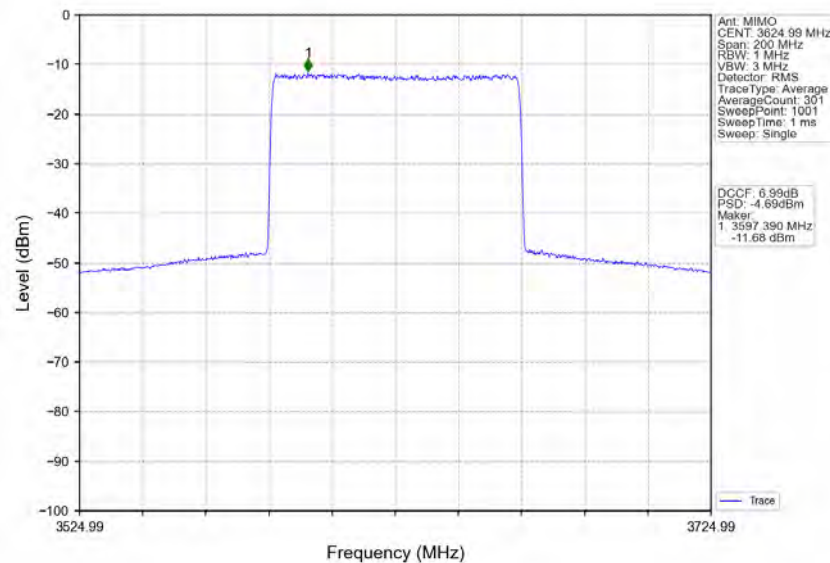
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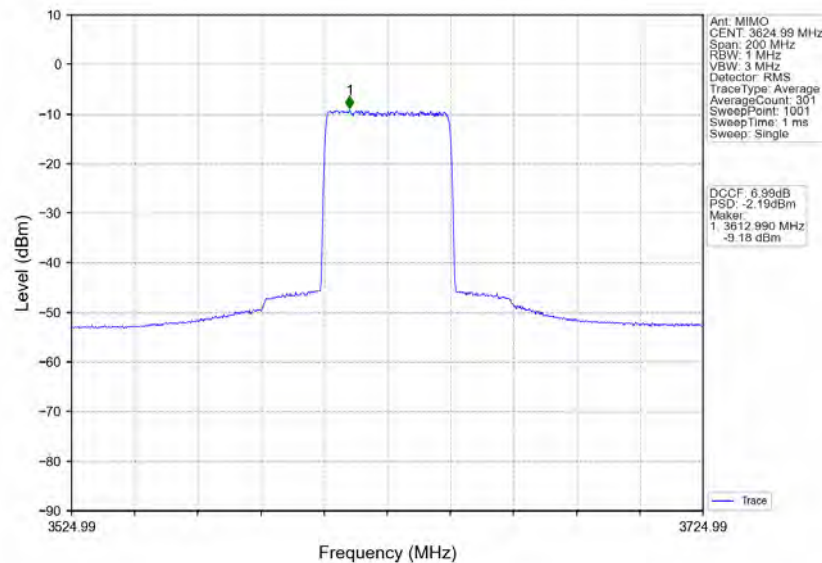
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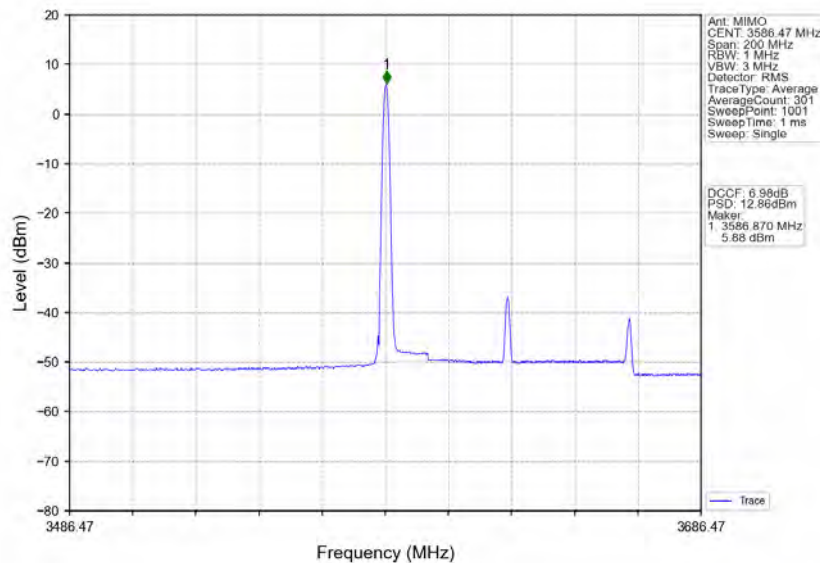
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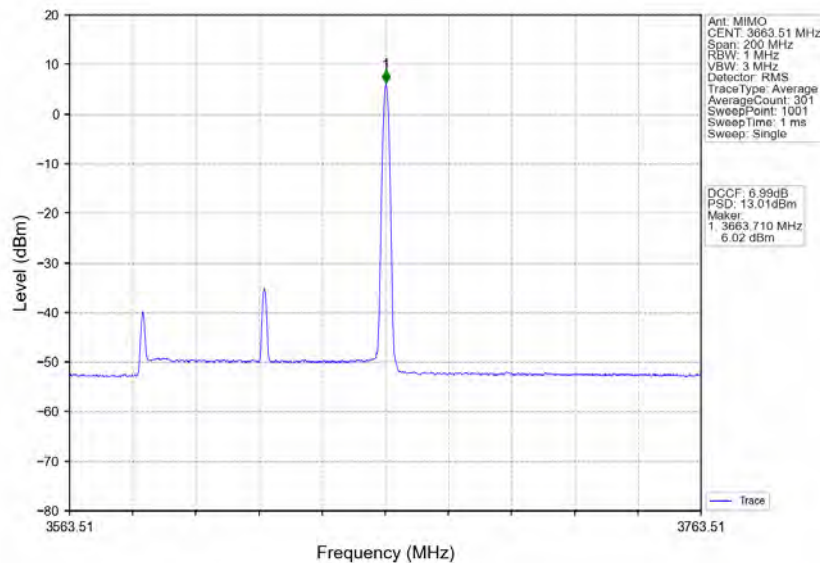
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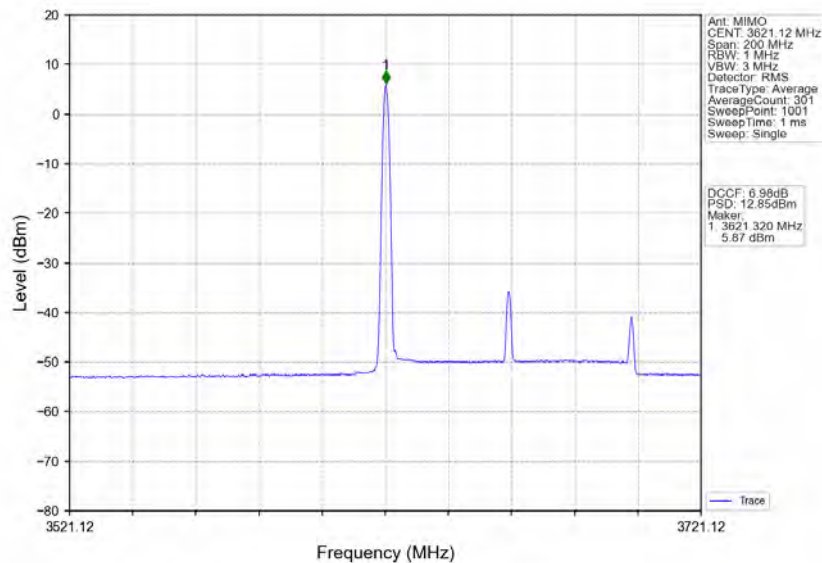
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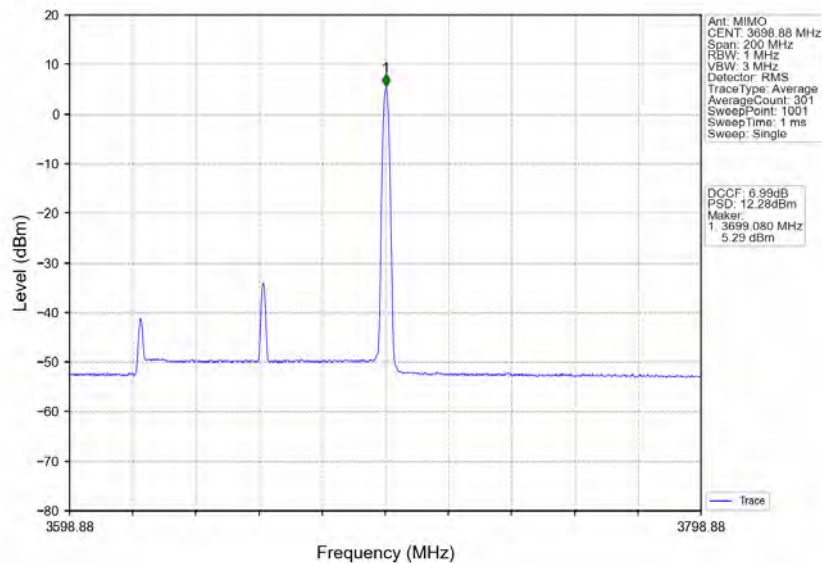
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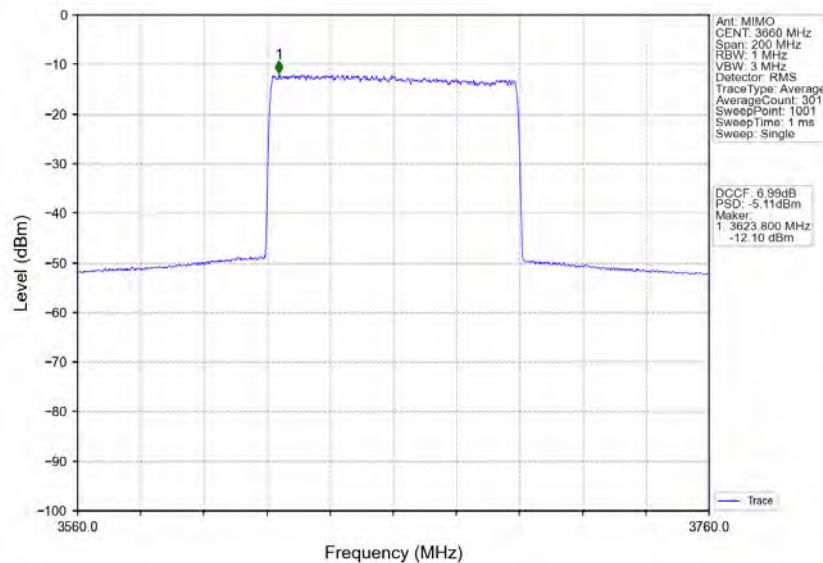
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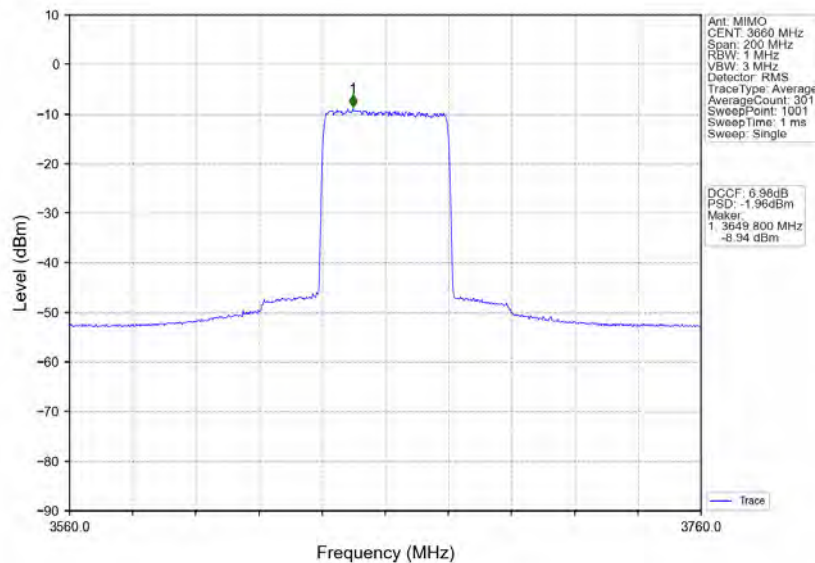
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n78d_30kHz_MIMO_NTNV_80MHz_CP-OFDM_256_QAM_3660MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_80MHz_CP-OFDM_256_QAM_3660MHz_Inner_Full



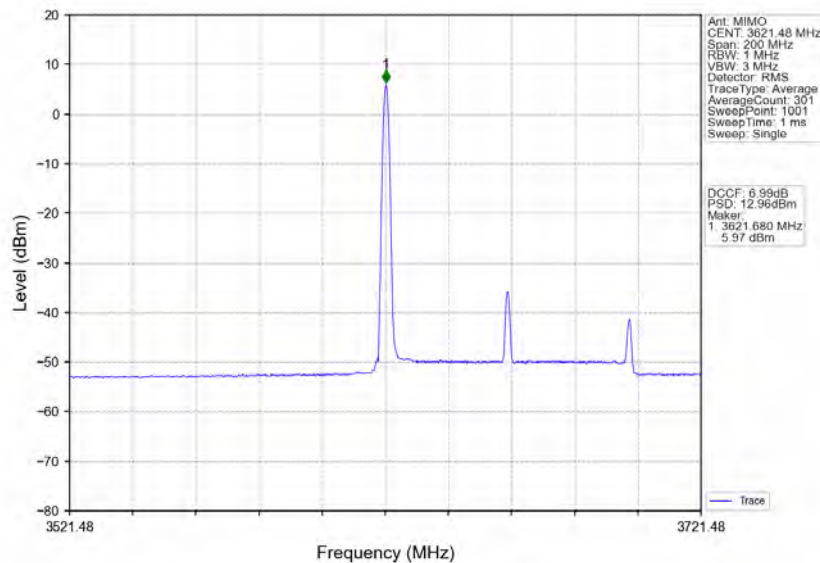
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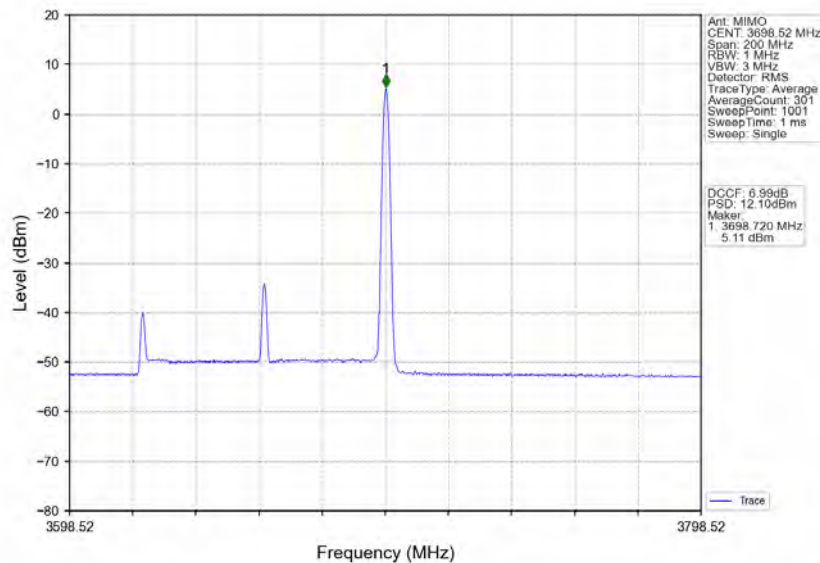
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n78d_30kHz_MIMO_NTNV_80MHz_CP-OFDM_256_QAM_3660MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_80MHz_CP-OFDM_256_QAM_3660MHz_Inner_1RB_Right



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2.28 30k_MIMO_90MHz_NTNV_EIRP

2.28.1 Test Result

5G NR n78d SCS=30kHz MIMO 90MHz NTV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3595.02	Edge 1RB Left	10.21	10.16	13.20	15.11	15.96	18.57	-	Pass
		Edge 1RB Right	10.16	10.74	13.47	15.06	16.54	18.87	-	Pass
		Outer Full	10.16	10.40	13.30	15.06	16.20	18.68	-	Pass
		Inner Full	10.16	10.40	13.29	15.06	16.20	18.68	-	Pass
		Inner 1RB Left	10.22	10.14	13.19	15.12	15.94	18.56	-	Pass
		Inner 1RB Right	10.14	10.71	13.44	15.04	16.51	18.85	-	Pass
	3624.99	Edge 1RB Left	10.28	10.47	13.38	15.18	16.27	18.77	-	Pass
		Edge 1RB Right	9.92	10.37	13.16	14.82	16.17	18.56	-	Pass
		Outer Full	10.18	10.58	13.39	15.08	16.38	18.79	-	Pass
		Inner Full	10.26	10.66	13.47	15.16	16.46	18.87	-	Pass
		Inner 1RB Left	10.27	10.46	13.37	15.17	16.26	18.76	-	Pass
		Inner 1RB Right	9.90	10.38	13.15	14.80	16.18	18.55	-	Pass
	3654.99	Edge 1RB Left	10.29	10.65	13.49	15.19	16.45	18.88	-	Pass
		Edge 1RB Right	10.22	10.37	13.30	15.12	16.17	18.69	-	Pass
		Outer Full	10.14	10.61	13.39	15.04	16.41	18.79	-	Pass
		Inner Full	10.12	10.62	13.39	15.02	16.42	18.79	-	Pass
		Inner 1RB Left	10.24	10.52	13.39	15.14	16.32	18.78	-	Pass
		Inner 1RB Right	10.20	10.49	13.35	15.10	16.29	18.75	-	Pass
CP-OFDM 16 QAM	3595.02	Edge 1RB Left	9.90	10.17	13.05	14.80	15.97	18.43	-	Pass
		Edge 1RB Right	9.90	10.67	13.31	14.80	16.47	18.73	-	Pass
		Outer Full	10.18	10.41	13.31	15.08	16.21	18.69	-	Pass
		Inner Full	10.22	10.40	13.32	15.12	16.20	18.70	-	Pass
		Inner 1RB Left	10.06	10.23	13.15	14.96	16.03	18.54	-	Pass
		Inner 1RB Right	9.93	10.77	13.38	14.83	16.57	18.80	-	Pass
	3624.99	Edge 1RB Left	10.06	10.70	13.40	14.96	16.50	18.81	-	Pass
		Edge 1RB Right	9.81	10.52	13.19	14.71	16.32	18.60	-	Pass
		Outer Full	10.15	10.54	13.36	15.05	16.34	18.75	-	Pass
		Inner Full	10.21	10.70	13.47	15.11	16.50	18.87	-	Pass
		Inner 1RB Left	10.02	10.50	13.28	14.92	16.30	18.67	-	Pass
		Inner 1RB Right	9.80	10.53	13.19	14.70	16.33	18.60	-	Pass
	3654.99	Edge 1RB Left	10.06	10.54	13.32	14.96	16.34	18.71	-	Pass
		Edge 1RB Right	9.96	10.32	13.15	14.86	16.12	18.55	-	Pass
		Outer Full	10.08	10.54	13.33	14.98	16.34	18.72	-	Pass
		Inner Full	10.15	10.69	13.44	15.05	16.49	18.84	-	Pass
		Inner 1RB Left	10.02	10.56	13.31	14.92	16.36	18.71	-	Pass
		Inner 1RB Right	9.92	10.37	13.16	14.82	16.17	18.56	-	Pass
CP-OFDM 64 QAM	3595.02	Edge 1RB Left	10.22	10.28	13.26	15.12	16.08	18.64	-	Pass
		Edge 1RB Right	10.24	10.86	13.57	15.14	16.66	18.98	-	Pass
		Outer Full	10.21	10.42	13.32	15.11	16.22	18.71	-	Pass
		Inner Full	10.19	10.36	13.29	15.09	16.16	18.67	-	Pass
		Inner 1RB Left	10.21	10.32	13.27	15.11	16.12	18.65	-	Pass
		Inner 1RB Right	10.23	10.88	13.58	15.13	16.68	18.98	-	Pass
	3624.99	Edge 1RB Left	10.19	10.70	13.46	15.09	16.50	18.86	-	Pass
		Edge 1RB Right	10.03	10.53	13.30	14.93	16.33	18.70	-	Pass



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CP-OFDM 256 QAM		Outer Full	10.14	10.53	13.35	15.04	16.33	18.74	-	Pass
		Inner Full	10.24	10.70	13.49	15.14	16.50	18.88	-	Pass
		Inner 1RB Left	10.16	10.59	13.39	15.06	16.39	18.79	-	Pass
		Inner 1RB Right	10.03	10.51	13.29	14.93	16.31	18.68	-	Pass
	3654.99	Edge 1RB Left	10.26	10.72	13.51	15.16	16.52	18.90	-	Pass
		Edge 1RB Right	10.18	10.54	13.37	15.08	16.34	18.77	-	Pass
		Outer Full	10.06	10.50	13.29	14.96	16.30	18.69	-	Pass
		Inner Full	10.05	10.66	13.38	14.95	16.46	18.78	-	Pass
		Inner 1RB Left	10.16	10.79	13.50	15.06	16.59	18.90	-	Pass
		Inner 1RB Right	10.14	10.53	13.35	15.04	16.33	18.74	-	Pass
	3595.02	Edge 1RB Left	10.45	10.17	13.32	15.35	15.97	18.68	-	Pass
		Edge 1RB Right	10.40	10.63	13.53	15.30	16.43	18.91	-	Pass
		Outer Full	10.25	10.35	13.31	15.15	16.15	18.69	-	Pass
		Inner Full	10.19	10.29	13.25	15.09	16.09	18.63	-	Pass
		Inner 1RB Left	10.31	10.12	13.23	15.21	15.92	18.59	-	Pass
		Inner 1RB Right	10.36	10.72	13.56	15.26	16.52	18.95	-	Pass
	3624.99	Edge 1RB Left	10.35	10.47	13.42	15.25	16.27	18.80	-	Pass
		Edge 1RB Right	10.17	10.31	13.25	15.07	16.11	18.63	-	Pass
		Outer Full	10.24	10.58	13.42	15.14	16.38	18.81	-	Pass
		Inner Full	10.29	10.67	13.49	15.19	16.47	18.89	-	Pass
		Inner 1RB Left	10.37	10.41	13.40	15.27	16.21	18.78	-	Pass
		Inner 1RB Right	10.11	10.38	13.26	15.01	16.18	18.64	-	Pass
	3654.99	Edge 1RB Left	10.39	10.61	13.51	15.29	16.41	18.90	-	Pass
		Edge 1RB Right	10.21	10.34	13.29	15.11	16.14	18.67	-	Pass
		Outer Full	10.11	10.55	13.35	15.01	16.35	18.74	-	Pass
		Inner Full	10.08	10.69	13.41	14.98	16.49	18.81	-	Pass
		Inner 1RB Left	10.33	10.49	13.42	15.23	16.29	18.80	-	Pass
		Inner 1RB Right	10.19	10.42	13.32	15.09	16.22	18.70	-	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

2.29 30k_MIMO_90MHz_NTNV_EIRP/10MHz

2.29.1 Test Result

5G NR n78d SCS=30kHz MIMO 90MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3595.02	Edge 1RB Left	8.79	9.79	12.33	13.69	15.59	17.75	<=30	Pass
		Edge 1RB Right	8.93	9.14	12.05	13.83	14.94	17.43	<=30	Pass
		Outer Full	-0.42	1.03	3.38	4.48	6.83	8.82	<=30	Pass
		Inner Full	2.62	3.31	5.99	7.52	9.11	11.40	<=30	Pass
		Inner 1RB Left	9.34	9.87	12.62	14.24	15.67	18.02	<=30	Pass
		Inner 1RB Right	8.07	9.85	12.06	12.97	15.65	17.52	<=30	Pass
	3624.99	Edge 1RB Left	9.93	10.32	13.14	14.83	16.12	18.53	<=30	Pass
		Edge 1RB Right	8.22	8.57	11.41	13.12	14.37	16.80	<=30	Pass
		Outer Full	-1.35	-0.03	2.37	3.55	5.77	7.81	<=30	Pass
		Inner Full	3.27	2.62	5.97	8.17	8.42	11.31	<=30	Pass
		Inner 1RB Left	8.81	9.44	12.15	13.71	15.24	17.55	<=30	Pass
		Inner 1RB Right	8.11	9.25	11.73	13.01	15.05	17.16	<=30	Pass
	3654.99	Edge 1RB Left	9.42	10.56	13.04	14.32	16.36	18.47	<=30	Pass



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CP-OFDM 16 QAM		Edge 1RB Right	8.31	9.73	12.09	13.21	15.53	17.53	<=30	Pass
		Outer Full	-0.49	-0.54	2.50	4.41	5.26	7.87	<=30	Pass
		Inner Full	2.21	2.47	5.35	7.11	8.27	10.74	<=30	Pass
		Inner 1RB Left	10.00	9.06	12.57	14.90	14.86	17.89	<=30	Pass
		Inner 1RB Right	9.44	10.36	12.93	14.34	16.16	18.35	<=30	Pass
	3595.02	Edge 1RB Left	9.84	10.23	13.05	14.74	16.03	18.44	<=30	Pass
		Edge 1RB Right	7.65	9.54	11.71	12.55	15.34	17.18	<=30	Pass
		Outer Full	-0.04	0.27	3.13	4.86	6.07	8.52	<=30	Pass
		Inner Full	3.02	3.70	6.38	7.92	9.50	11.79	<=30	Pass
		Inner 1RB Left	9.50	9.47	12.50	14.40	15.27	17.87	<=30	Pass
		Inner 1RB Right	7.92	9.70	11.91	12.82	15.50	17.37	<=30	Pass
	3624.99	Edge 1RB Left	8.19	9.71	12.03	13.09	15.51	17.48	<=30	Pass
		Edge 1RB Right	8.92	9.60	12.28	13.82	15.40	17.69	<=30	Pass
		Outer Full	0.00	0.34	3.18	4.90	6.14	8.57	<=30	Pass
		Inner Full	2.85	3.01	5.94	7.75	8.81	11.32	<=30	Pass
		Inner 1RB Left	8.24	9.02	11.66	13.14	14.82	17.07	<=30	Pass
		Inner 1RB Right	8.84	9.76	12.33	13.74	15.56	17.75	<=30	Pass
	3654.99	Edge 1RB Left	10.35	9.53	12.97	15.25	15.33	18.30	<=30	Pass
		Edge 1RB Right	8.51	9.90	12.27	13.41	15.70	17.71	<=30	Pass
		Outer Full	-0.63	0.50	2.98	4.27	6.30	8.41	<=30	Pass
		Inner Full	1.93	2.89	5.45	6.83	8.69	10.87	<=30	Pass
		Inner 1RB Left	9.23	9.95	12.62	14.13	15.75	18.03	<=30	Pass
		Inner 1RB Right	9.37	10.39	12.92	14.27	16.19	18.35	<=30	Pass
CP-OFDM 64 QAM	3595.02	Edge 1RB Left	9.07	10.26	12.72	13.97	16.06	18.15	<=30	Pass
		Edge 1RB Right	8.93	8.48	11.72	13.83	14.28	17.07	<=30	Pass
		Outer Full	-0.20	0.16	2.99	4.70	5.96	8.39	<=30	Pass
		Inner Full	3.10	3.57	6.35	8.00	9.37	11.75	<=30	Pass
		Inner 1RB Left	9.38	10.12	12.78	14.28	15.92	18.19	<=30	Pass
	3624.99	Inner 1RB Right	8.52	9.45	12.02	13.42	15.25	17.44	<=30	Pass
		Edge 1RB Left	9.09	9.20	12.16	13.99	15.00	17.53	<=30	Pass
		Edge 1RB Right	8.71	10.57	12.75	13.61	16.37	18.22	<=30	Pass
		Outer Full	-0.66	-0.29	2.54	4.24	5.51	7.93	<=30	Pass
		Inner Full	2.99	2.89	5.95	7.89	8.69	11.32	<=30	Pass
	3654.99	Inner 1RB Left	9.26	9.51	12.40	14.16	15.31	17.78	<=30	Pass
		Inner 1RB Right	9.28	9.23	12.27	14.18	15.03	17.64	<=30	Pass
		Edge 1RB Left	8.99	9.44	12.23	13.89	15.24	17.63	<=30	Pass
		Edge 1RB Right	9.54	9.86	12.71	14.44	15.66	18.10	<=30	Pass
		Outer Full	-0.36	-0.94	2.37	4.54	4.86	7.71	<=30	Pass
CP-OFDM 256 QAM	3595.02	Inner Full	2.13	2.82	5.50	7.03	8.62	10.91	<=30	Pass
		Inner 1RB Left	10.20	10.29	13.26	15.10	16.09	18.63	<=30	Pass
		Inner 1RB Right	9.38	10.07	12.75	14.28	15.87	18.16	<=30	Pass
		Edge 1RB Left	9.76	9.11	12.46	14.66	14.91	17.80	<=30	Pass
		Edge 1RB Right	8.88	8.87	11.89	13.78	14.67	17.26	<=30	Pass
	3624.99	Outer Full	-0.09	0.51	3.23	4.81	6.31	8.63	<=30	Pass
		Inner Full	2.33	4.09	6.31	7.23	9.89	11.77	<=30	Pass
		Inner 1RB Left	10.18	10.23	13.22	15.08	16.03	18.59	<=30	Pass
		Inner 1RB Right	8.15	9.16	11.69	13.05	14.96	17.12	<=30	Pass
		Edge 1RB Left	9.75	8.80	12.31	14.65	14.60	17.64	<=30	Pass
	3654.99	Edge 1RB Right	8.61	9.02	11.83	13.51	14.82	17.22	<=30	Pass
		Outer Full	-0.51	0.03	2.78	4.39	5.83	8.18	<=30	Pass
		Inner Full	2.78	3.22	6.02	7.68	9.02	11.41	<=30	Pass
		Inner 1RB Left	8.80	10.30	12.62	13.70	16.10	18.07	<=30	Pass
		Inner 1RB Right	8.63	8.74	11.70	13.53	14.54	17.07	<=30	Pass
		Edge 1RB Left	10.09	10.35	13.23	14.99	16.15	18.62	<=30	Pass

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	Edge_1RB_Right	8.70	9.61	12.19	13.60	15.41	17.61	<=30	Pass
	Outer_Full	-0.89	0.06	2.62	4.01	5.86	8.04	<=30	Pass
	Inner_Full	1.41	2.43	4.96	6.31	8.23	10.39	<=30	Pass
	Inner_1RB_Left	9.44	10.22	12.86	14.34	16.02	18.27	<=30	Pass
	Inner_1RB_Right	9.36	9.25	12.32	14.26	15.05	17.68	<=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

2.30 30k_MIMO_90MHz_NTNV_PSD

2.30.1 Test Result

5G NR n78d SCS=30kHz MIMO 90MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted PSD(dBm/MHz)			E.I.R.PSD(dBm/MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3595.02	Edge_1RB_Left	8.79	9.79	12.68	13.69	15.59	18.48	<=20	Pass
		Edge_1RB_Right	8.93	9.14	10.81	13.83	14.94	16.61	<=20	Pass
		Outer_Full	-0.42	1.03	-4.70	4.48	6.83	1.10	<=20	Pass
		Inner_Full	2.62	3.31	-2.42	7.52	9.11	3.38	<=20	Pass
		Inner_1RB_Left	9.34	9.87	12.50	14.24	15.67	18.30	<=20	Pass
		Inner_1RB_Right	8.07	9.85	12.17	12.97	15.65	17.97	<=20	Pass
	3624.99	Edge_1RB_Left	9.93	10.32	12.90	14.83	16.12	18.70	<=20	Pass
		Edge_1RB_Right	8.22	8.57	12.32	13.12	14.37	18.12	<=20	Pass
		Outer_Full	-1.35	-0.03	-6.54	3.55	5.77	-0.74	<=20	Pass
		Inner_Full	3.27	2.62	-3.43	8.17	8.42	2.37	<=20	Pass
		Inner_1RB_Left	8.81	9.44	12.31	13.71	15.24	18.11	<=20	Pass
		Inner_1RB_Right	8.11	9.25	11.30	13.01	15.05	17.10	<=20	Pass
	3654.99	Edge_1RB_Left	9.42	10.56	13.20	14.32	16.36	19.00	<=20	Pass
		Edge_1RB_Right	8.31	9.73	11.76	13.21	15.53	17.56	<=20	Pass
		Outer_Full	-0.49	-0.54	-5.79	4.41	5.26	0.01	<=20	Pass
		Inner_Full	2.21	2.47	-3.72	7.11	8.27	2.08	<=20	Pass
		Inner_1RB_Left	10.00	9.06	12.45	14.90	14.86	18.25	<=20	Pass
		Inner_1RB_Right	9.44	10.36	10.75	14.34	16.16	16.55	<=20	Pass
CP-OFDM 16 QAM	3595.02	Edge_1RB_Left	9.84	10.23	12.87	14.74	16.03	18.67	<=20	Pass
		Edge_1RB_Right	7.65	9.54	12.00	12.55	15.34	17.80	<=20	Pass
		Outer_Full	-0.04	0.27	-4.26	4.86	6.07	1.54	<=20	Pass
		Inner_Full	3.02	3.70	-2.59	7.92	9.50	3.21	<=20	Pass
		Inner_1RB_Left	9.50	9.47	12.62	14.40	15.27	18.42	<=20	Pass
		Inner_1RB_Right	7.92	9.70	11.68	12.82	15.50	17.48	<=20	Pass
	3624.99	Edge_1RB_Left	8.19	9.71	12.55	13.09	15.51	18.35	<=20	Pass
		Edge_1RB_Right	8.92	9.60	11.69	13.82	15.40	17.49	<=20	Pass
		Outer_Full	0.00	0.34	-5.84	4.90	6.14	-0.04	<=20	Pass
		Inner_Full	2.85	3.01	-3.71	7.75	8.81	2.09	<=20	Pass
		Inner_1RB_Left	8.24	9.02	12.97	13.14	14.82	18.77	<=20	Pass
		Inner_1RB_Right	8.84	9.76	10.63	13.74	15.56	16.43	<=20	Pass
	3654.99	Edge_1RB_Left	10.35	9.53	12.85	15.25	15.33	18.65	<=20	Pass
		Edge_1RB_Right	8.51	9.90	12.64	13.41	15.70	18.44	<=20	Pass
		Outer_Full	-0.63	0.50	-5.84	4.27	6.30	-0.04	<=20	Pass
		Inner_Full	1.93	2.89	-3.16	6.83	8.69	2.64	<=20	Pass
		Inner_1RB_Left	9.23	9.95	12.41	14.13	15.75	18.21	<=20	Pass
		Inner_1RB_Right	9.37	10.39	12.32	14.27	16.19	18.12	<=20	Pass



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CP-OFDM 64 QAM	3595.02	Edge 1RB Left	9.07	10.26	12.01	13.97	16.06	17.81	<=20	Pass
		Edge 1RB Right	8.93	8.48	11.43	13.83	14.28	17.23	<=20	Pass
		Outer Full	-0.20	0.16	-4.59	4.70	5.96	1.21	<=20	Pass
		Inner Full	3.10	3.57	-2.61	8.00	9.37	3.19	<=20	Pass
		Inner 1RB Left	9.38	10.12	12.97	14.28	15.92	18.77	<=20	Pass
		Inner 1RB Right	8.52	9.45	12.03	13.42	15.25	17.83	<=20	Pass
	3624.99	Edge 1RB Left	9.09	9.20	12.78	13.99	15.00	18.58	<=20	Pass
		Edge 1RB Right	8.71	10.57	12.88	13.61	16.37	18.68	<=20	Pass
		Outer Full	-0.66	-0.29	-5.84	4.24	5.51	-0.04	<=20	Pass
		Inner Full	2.99	2.89	-2.85	7.89	8.69	2.95	<=20	Pass
		Inner 1RB Left	9.26	9.51	12.15	14.16	15.31	17.95	<=20	Pass
		Inner 1RB Right	9.28	9.23	12.36	14.18	15.03	18.16	<=20	Pass
	3654.99	Edge 1RB Left	8.99	9.44	12.92	13.89	15.24	18.72	<=20	Pass
		Edge 1RB Right	9.54	9.86	11.85	14.44	15.66	17.65	<=20	Pass
		Outer Full	-0.36	-0.94	-6.28	4.54	4.86	-0.48	<=20	Pass
		Inner Full	2.13	2.82	-4.24	7.03	8.62	1.56	<=20	Pass
		Inner 1RB Left	10.20	10.29	12.54	15.10	16.09	18.34	<=20	Pass
		Inner 1RB Right	9.38	10.07	13.31	14.28	15.87	19.11	<=20	Pass
CP-OFDM 256 QAM	3595.02	Edge 1RB Left	9.76	9.11	12.44	14.66	14.91	18.24	<=20	Pass
		Edge 1RB Right	8.88	8.87	12.14	13.78	14.67	17.94	<=20	Pass
		Outer Full	-0.09	0.51	-5.03	4.81	6.31	0.77	<=20	Pass
		Inner Full	2.33	4.09	-2.35	7.23	9.89	3.45	<=20	Pass
		Inner 1RB Left	10.18	10.23	12.73	15.08	16.03	18.53	<=20	Pass
		Inner 1RB Right	8.15	9.16	11.31	13.05	14.96	17.11	<=20	Pass
	3624.99	Edge 1RB Left	9.75	8.80	12.36	14.65	14.60	18.16	<=20	Pass
		Edge 1RB Right	8.61	9.02	11.29	13.51	14.82	17.09	<=20	Pass
		Outer Full	-0.51	0.03	-6.31	4.39	5.83	-0.51	<=20	Pass
		Inner Full	2.78	3.22	-3.68	7.68	9.02	2.12	<=20	Pass
		Inner 1RB Left	8.80	10.30	12.23	13.70	16.10	18.03	<=20	Pass
		Inner 1RB Right	8.63	8.74	11.97	13.53	14.54	17.77	<=20	Pass
	3654.99	Edge 1RB Left	10.09	10.35	12.14	14.99	16.15	17.94	<=20	Pass
		Edge 1RB Right	8.70	9.61	12.43	13.60	15.41	18.23	<=20	Pass
		Outer Full	-0.89	0.06	-5.05	4.01	5.86	0.75	<=20	Pass
		Inner Full	1.41	2.43	-3.05	6.31	8.23	2.75	<=20	Pass
		Inner 1RB Left	9.44	10.22	11.96	14.34	16.02	17.76	<=20	Pass
		Inner 1RB Right	9.36	9.25	12.31	14.26	15.05	18.11	<=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



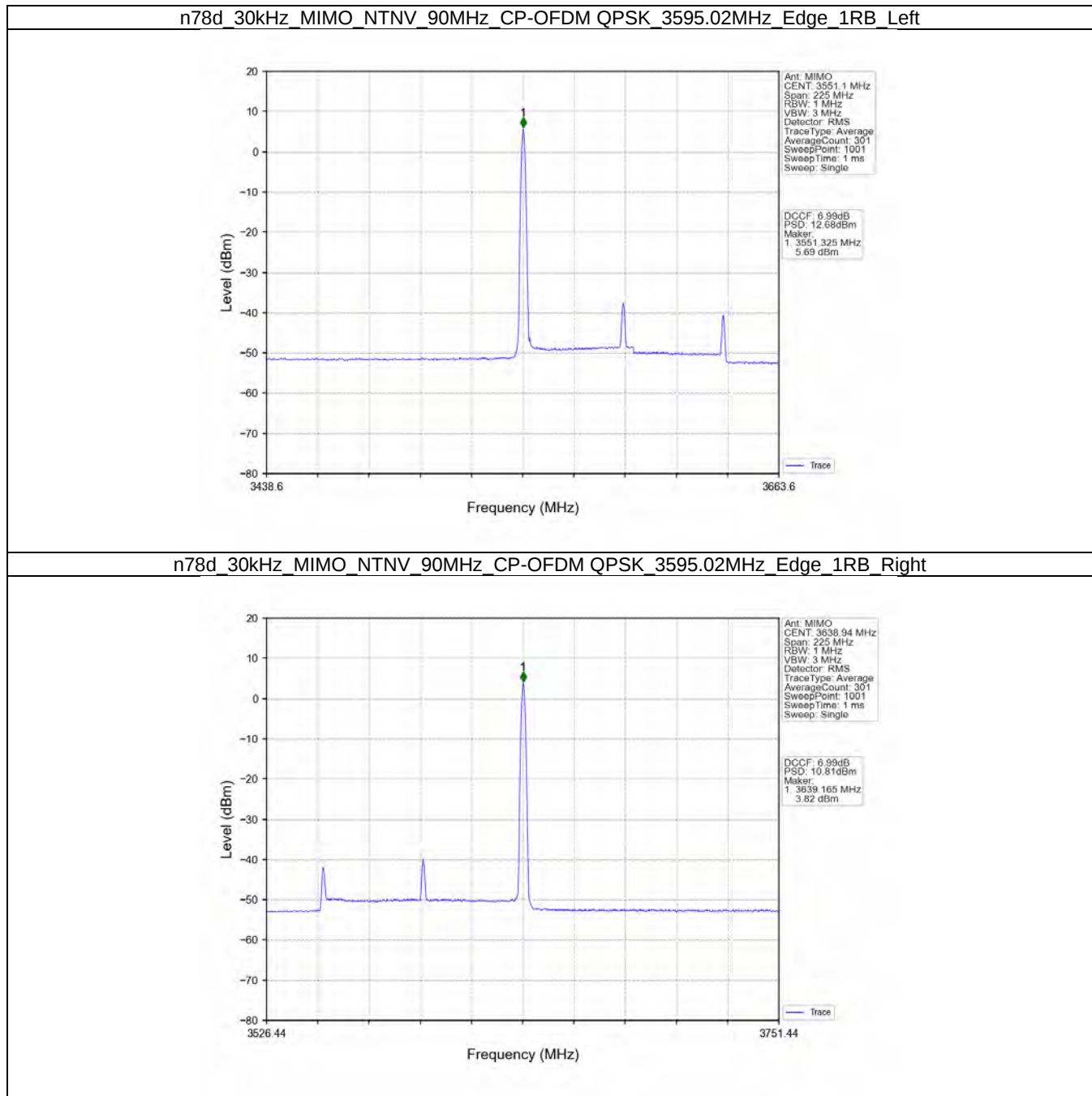
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2.30.2 Test Graph



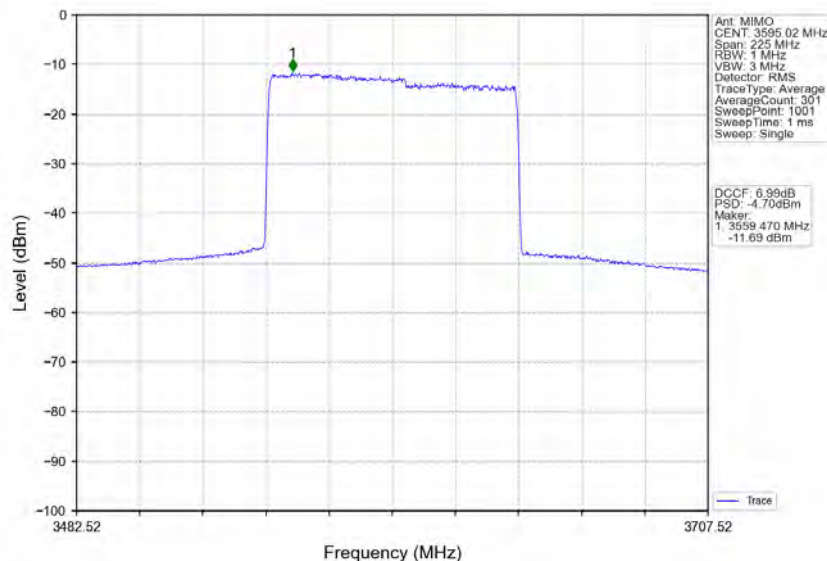
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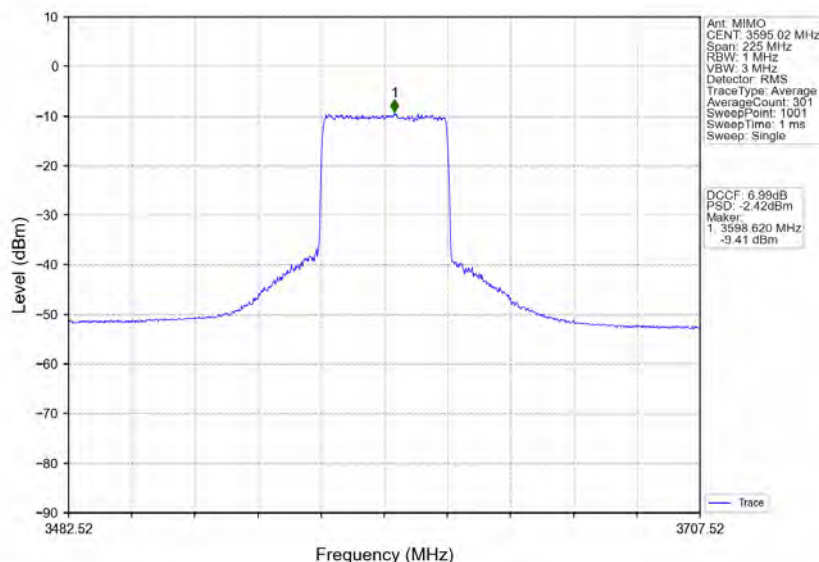
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM QPSK_3595.02MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM QPSK_3595.02MHz_Inner_Full



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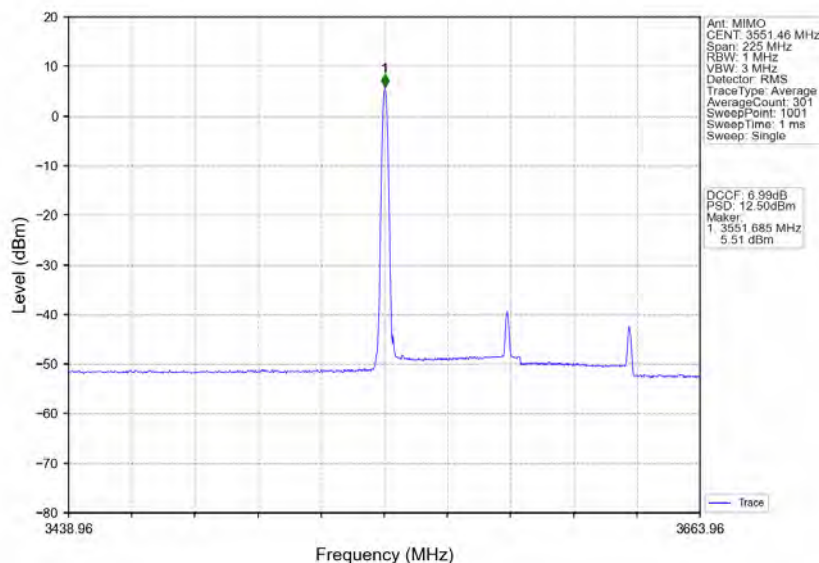
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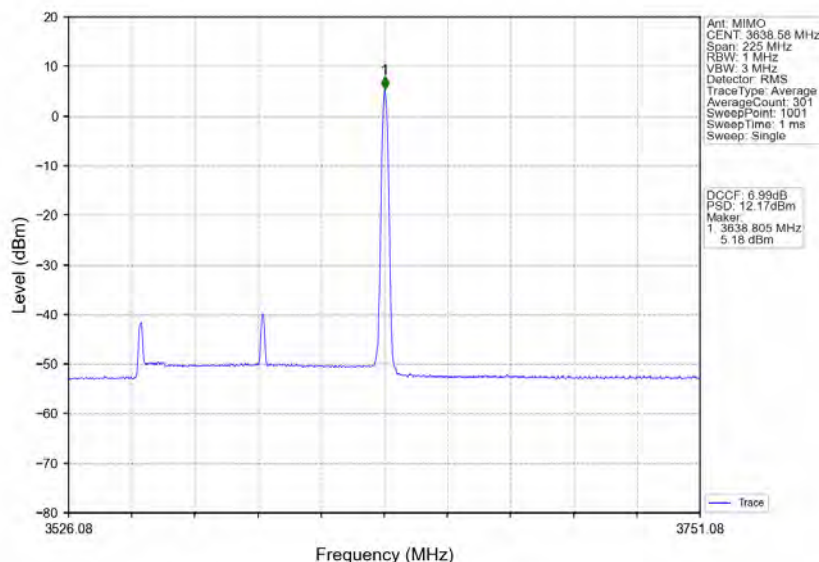
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_QPSK_3595.02MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_QPSK_3595.02MHz_Inner_1RB_Right



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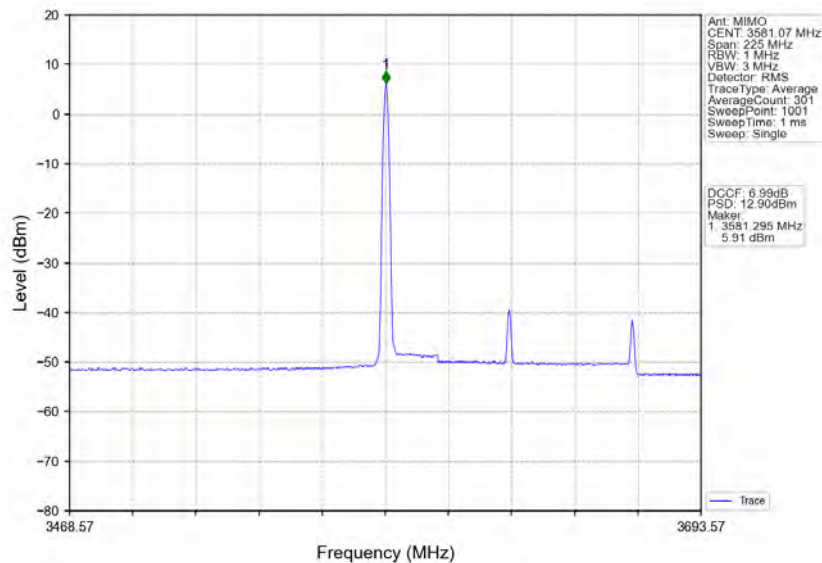
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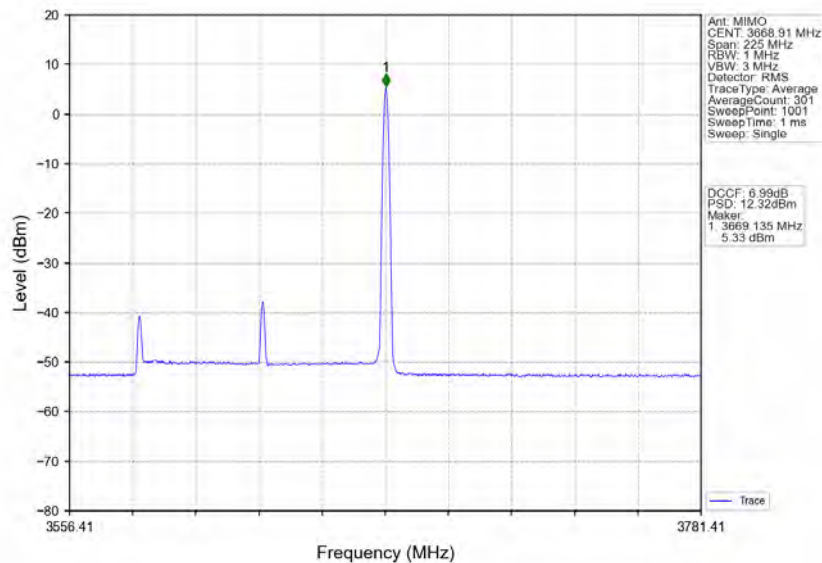
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_QPSK_3624.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_QPSK_3624.99MHz_Edge_1RB_Right



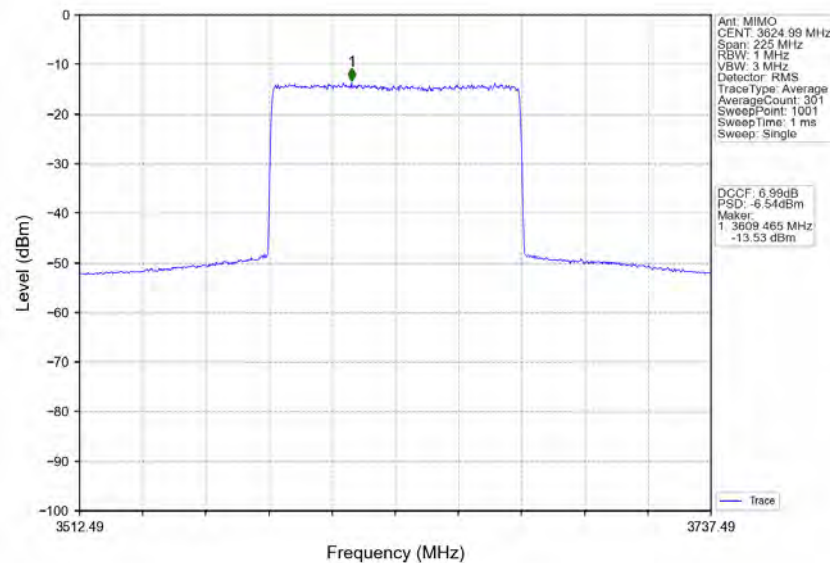
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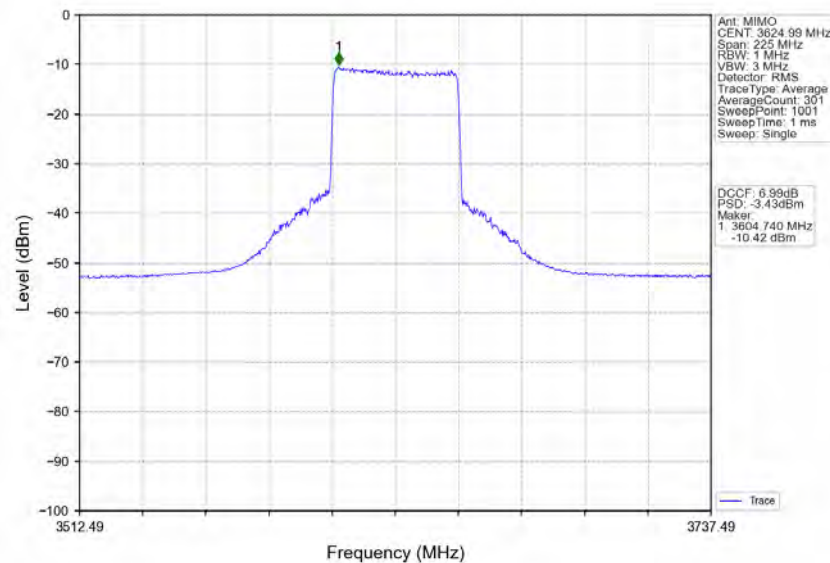
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_QPSK_3624.99MHz_Inner_Full



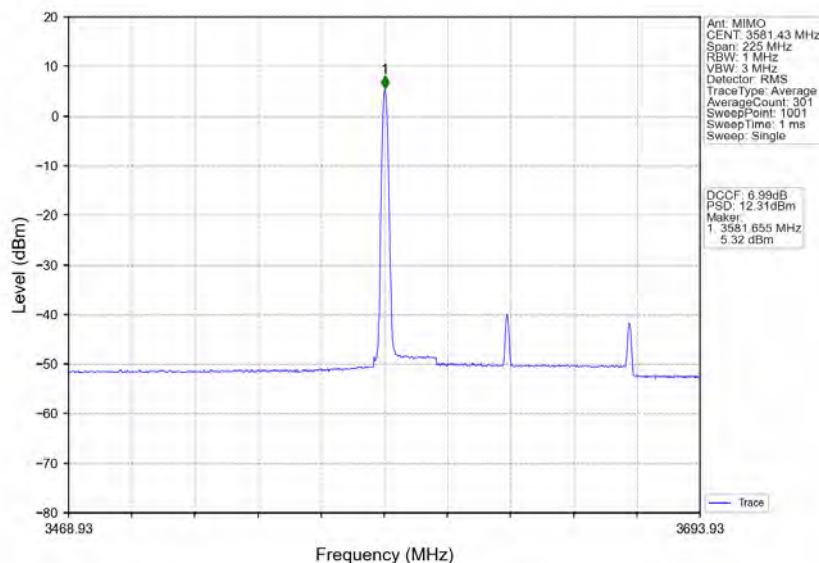
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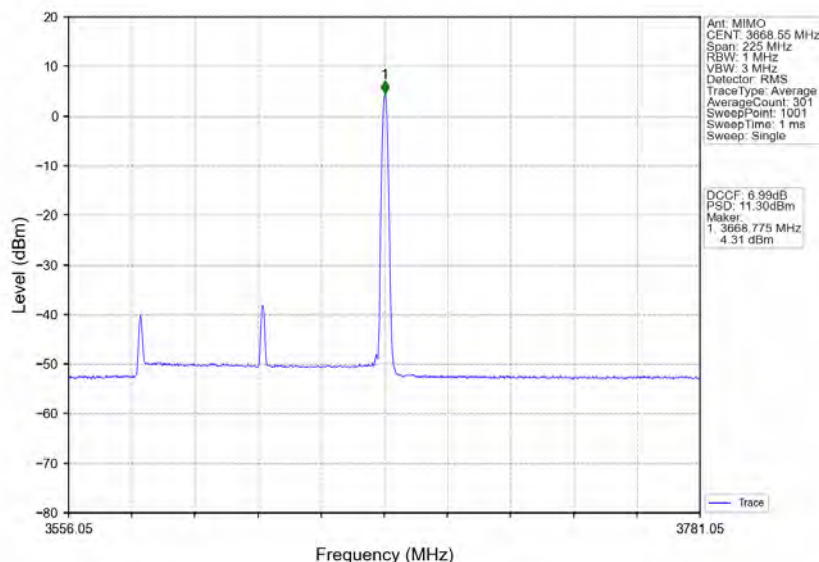
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_QPSK_3624.99MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_QPSK_3624.99MHz_Inner_1RB_Right



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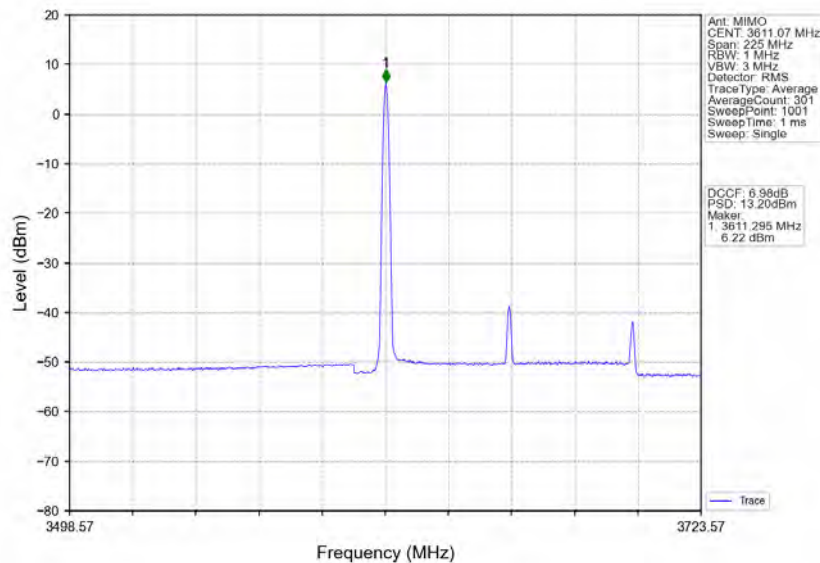
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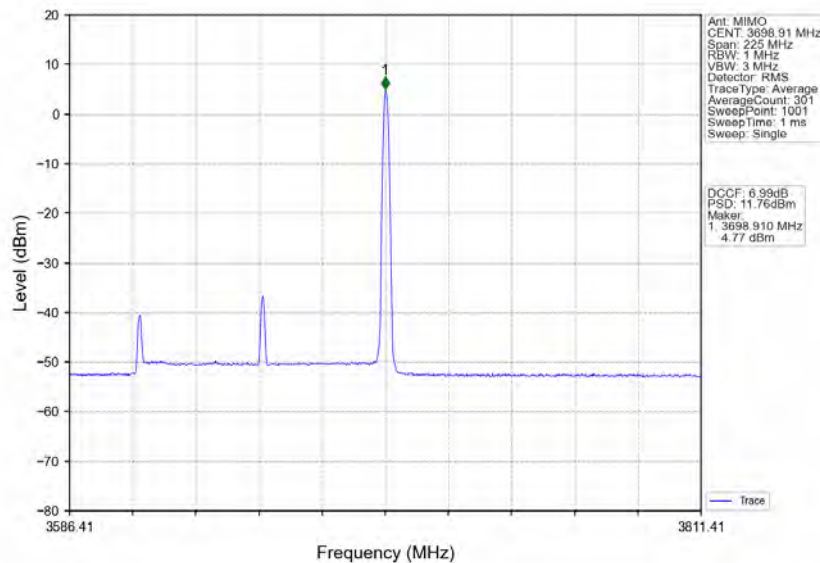
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_QPSK_3654.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_QPSK_3654.99MHz_Edge_1RB_Right



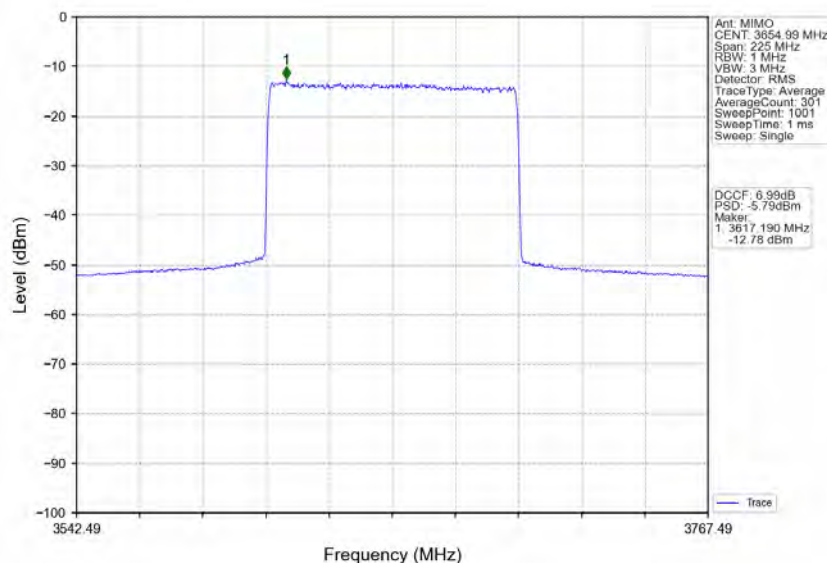
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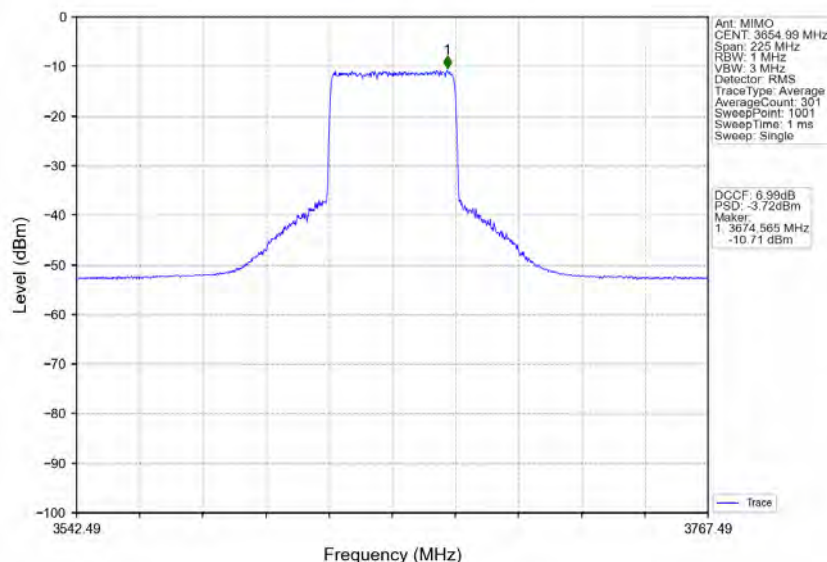
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM QPSK_3654.99MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM QPSK_3654.99MHz_Inner_Full



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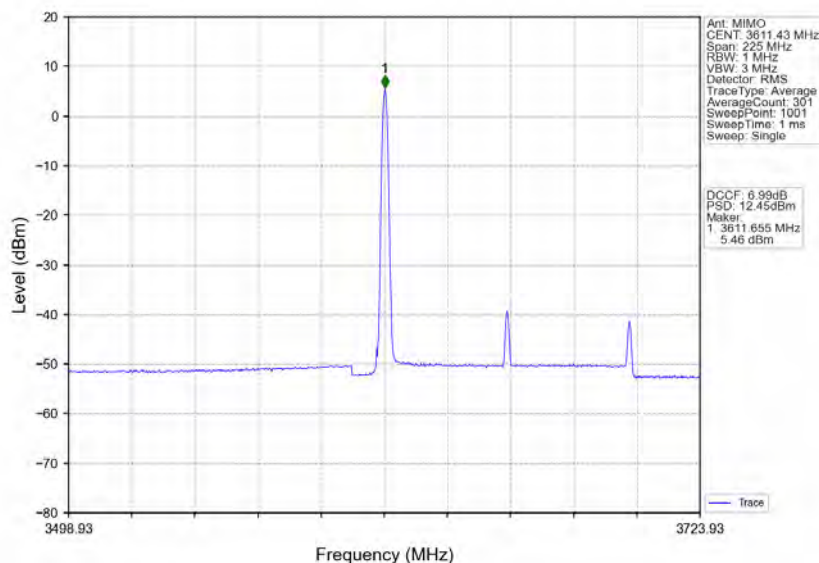
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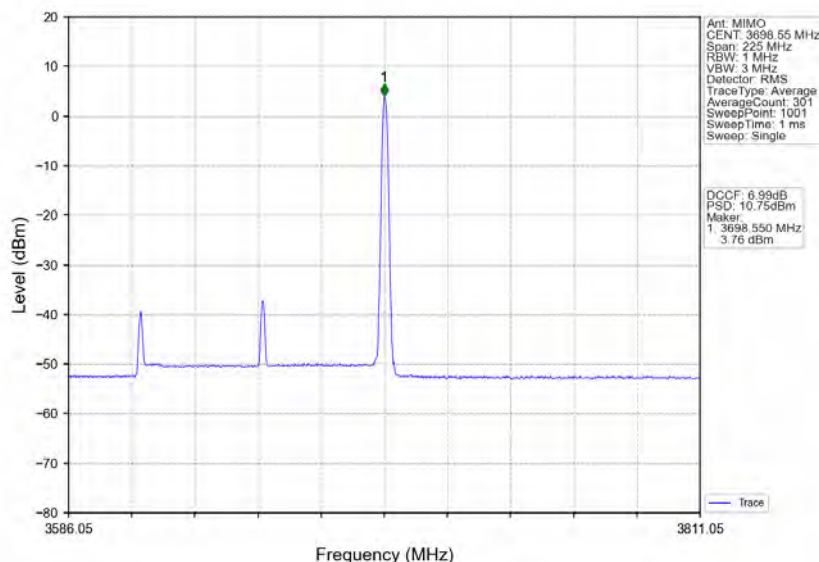
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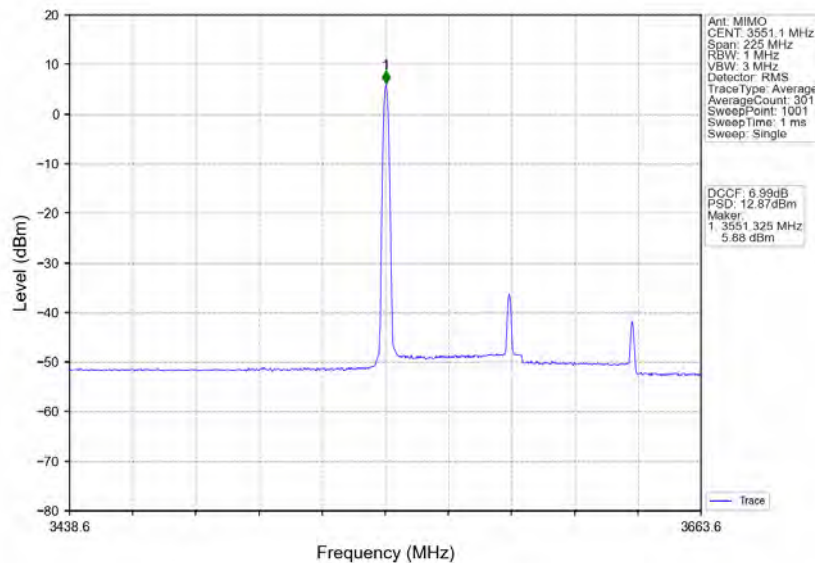
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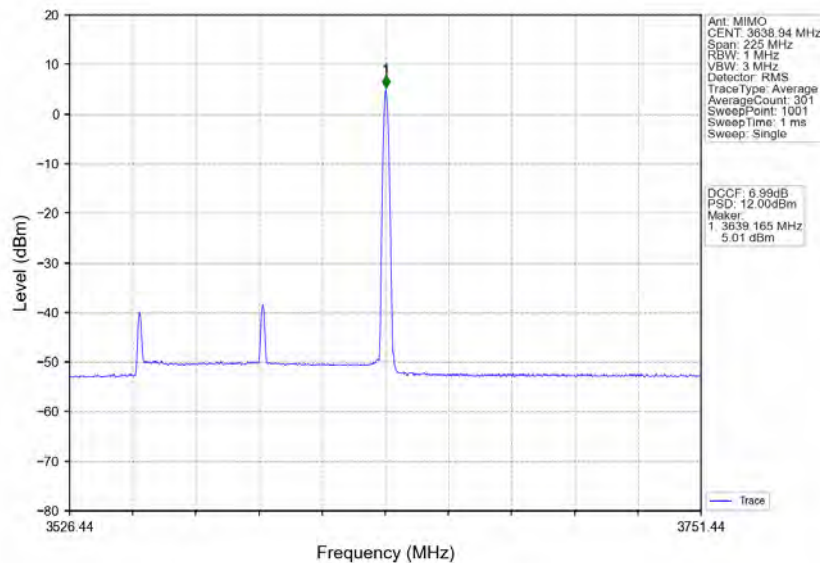
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM 16 QAM_3595.02MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM 16 QAM_3595.02MHz_Edge_1RB_Right



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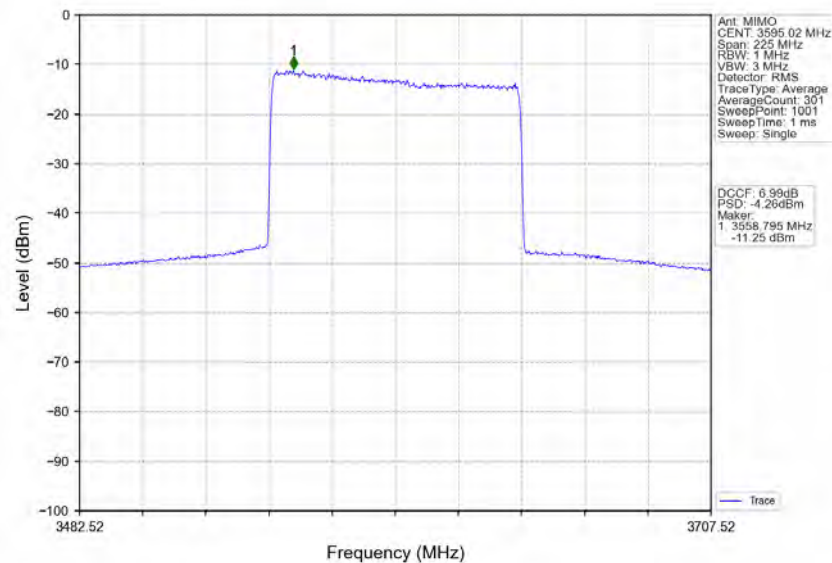
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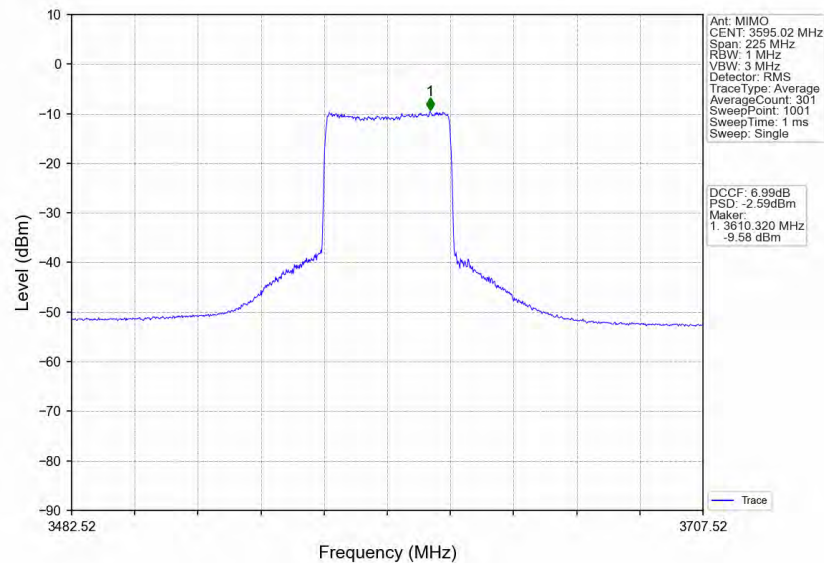
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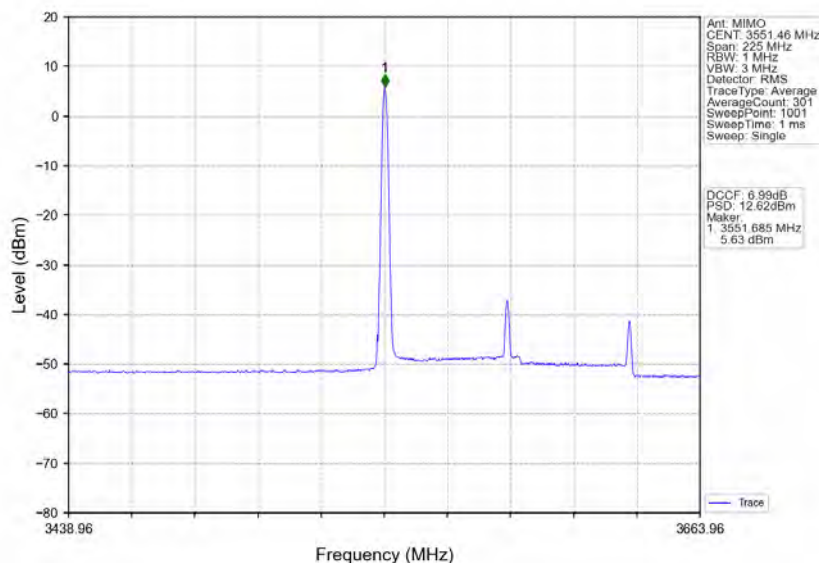
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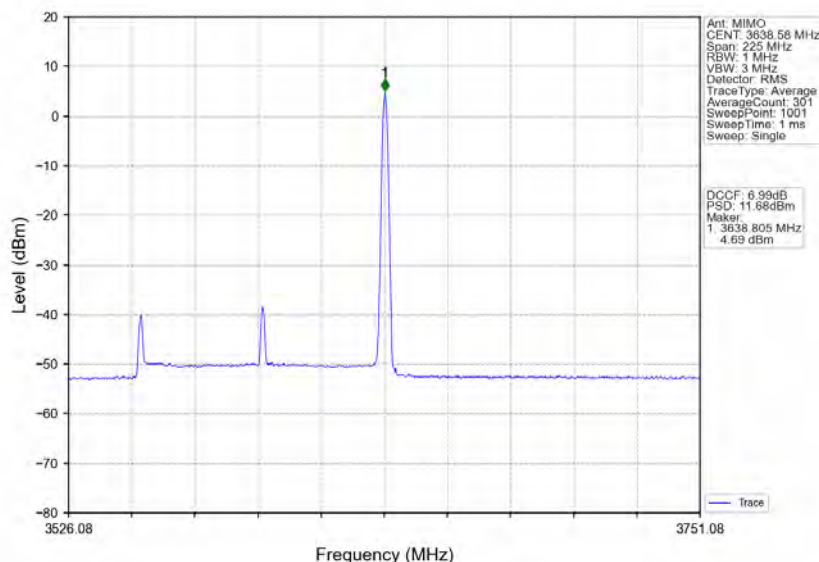
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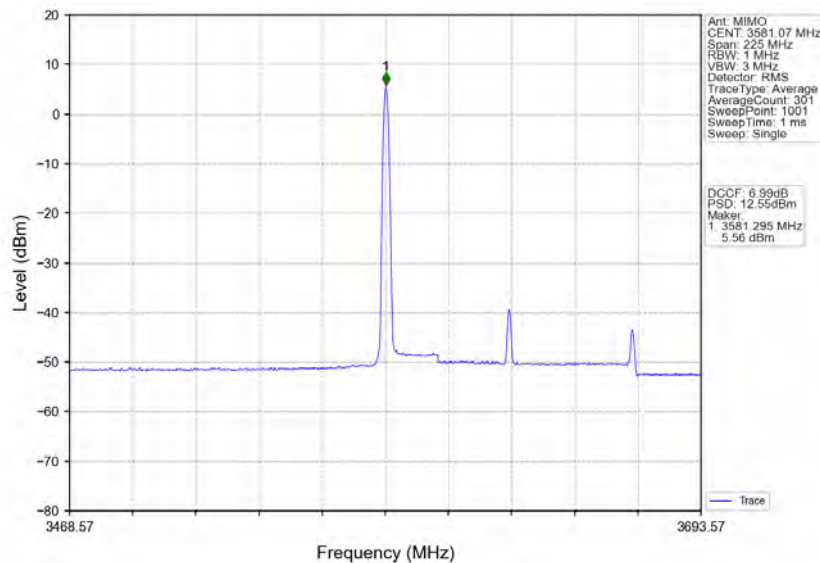
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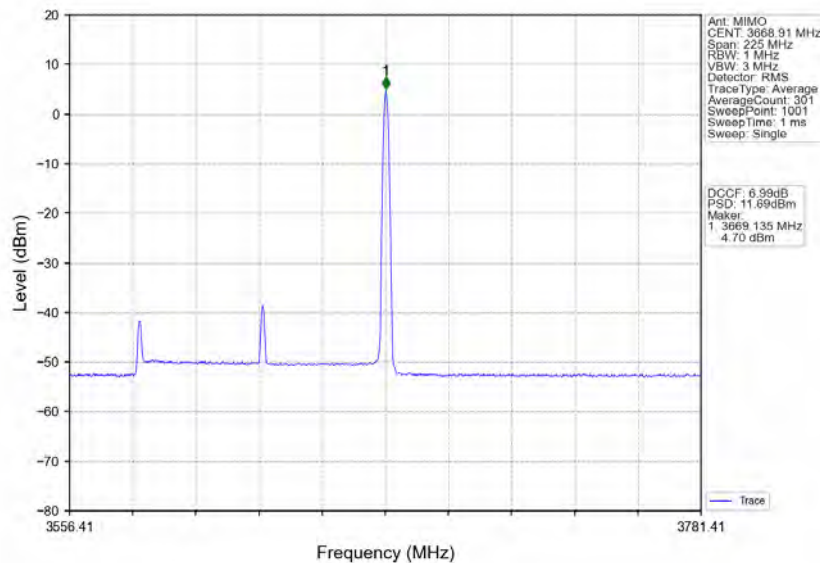
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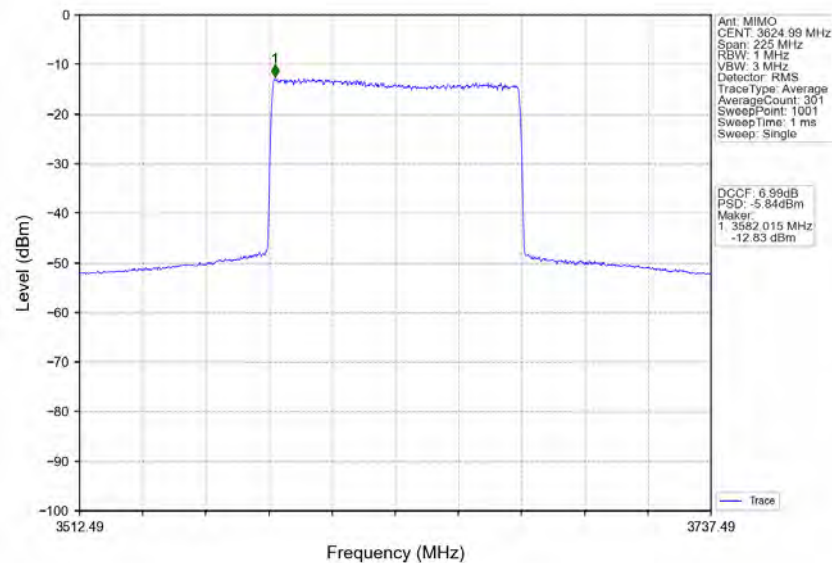
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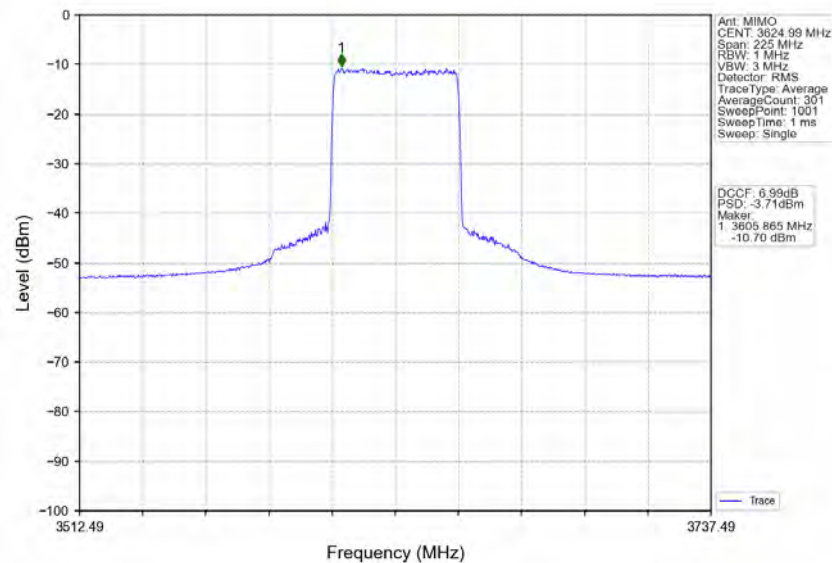
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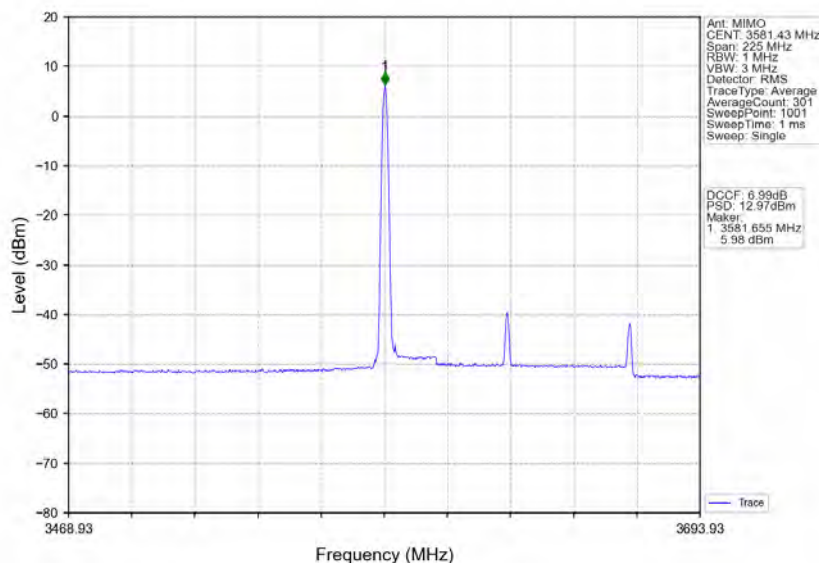
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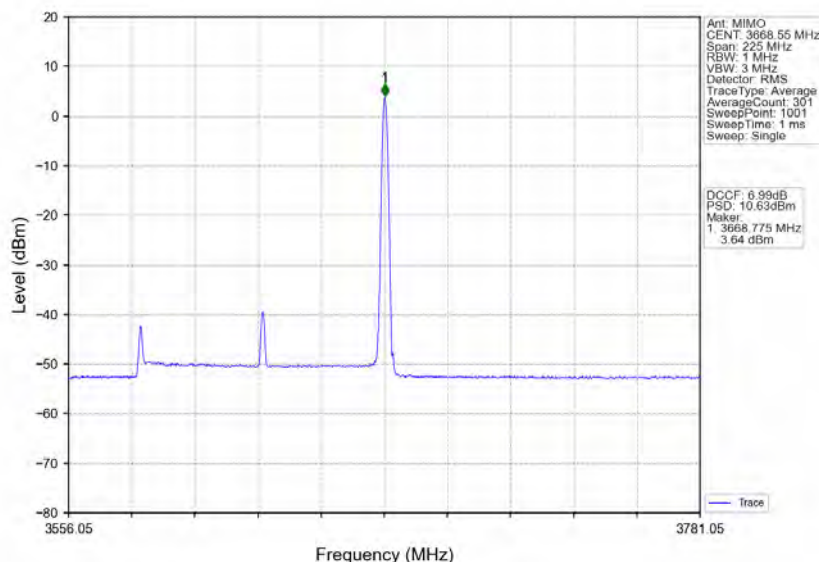
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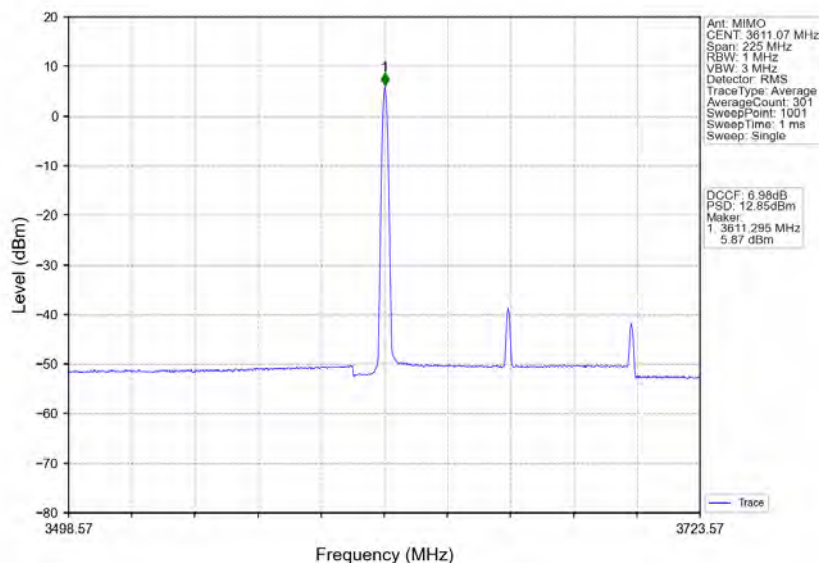
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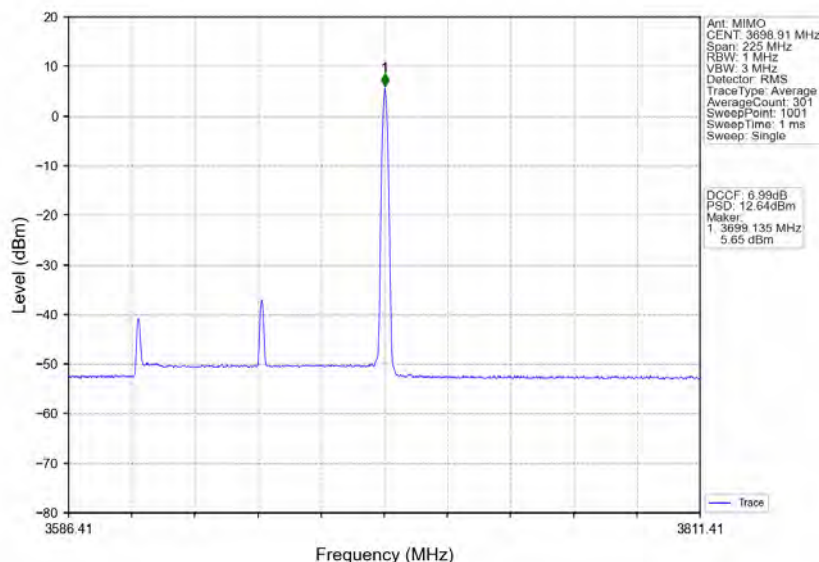
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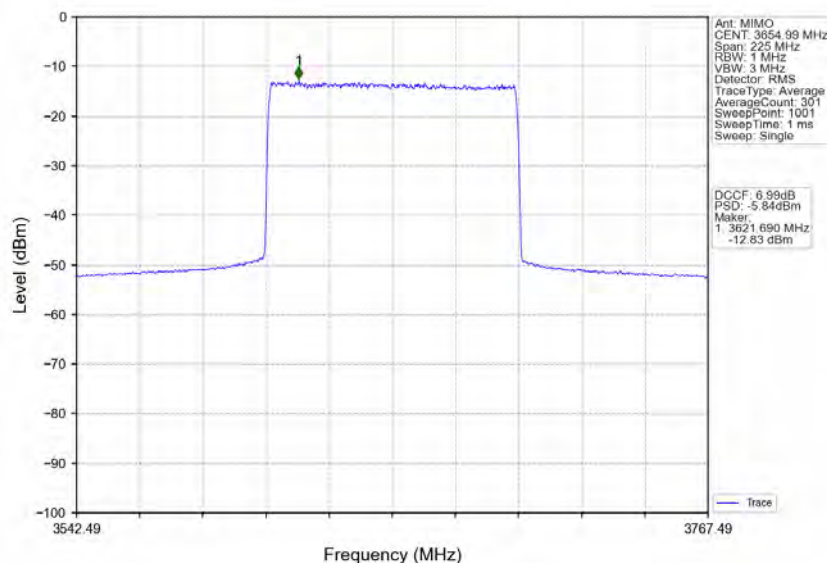
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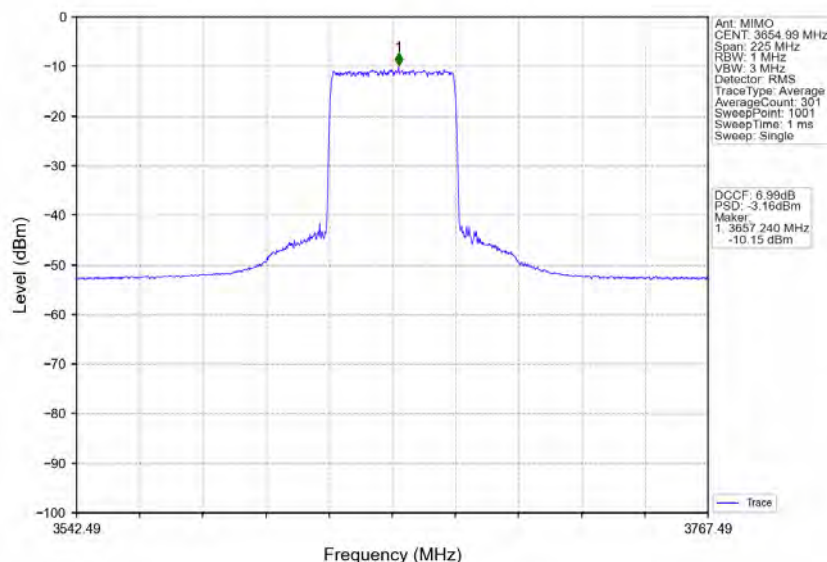
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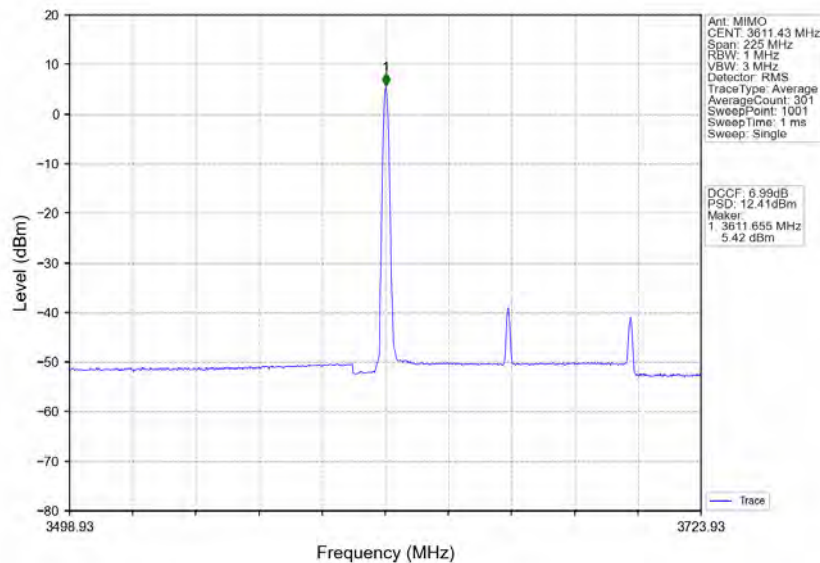
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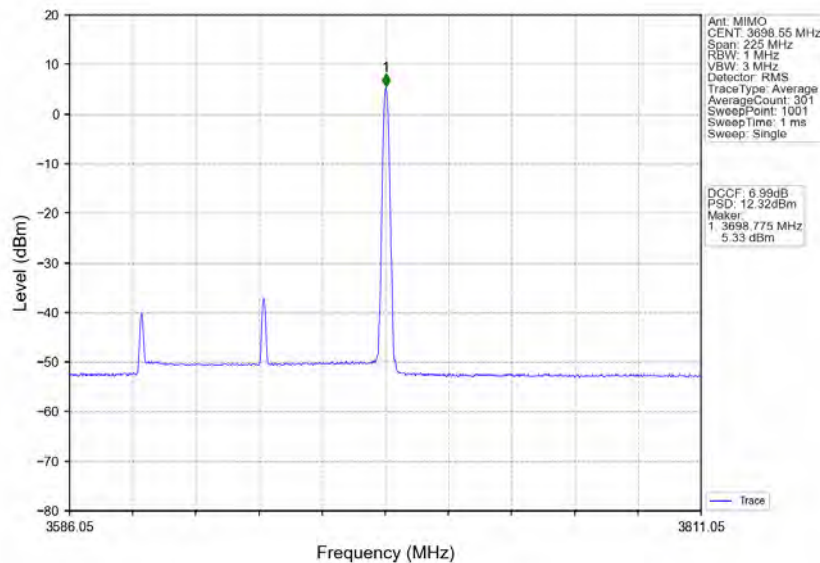
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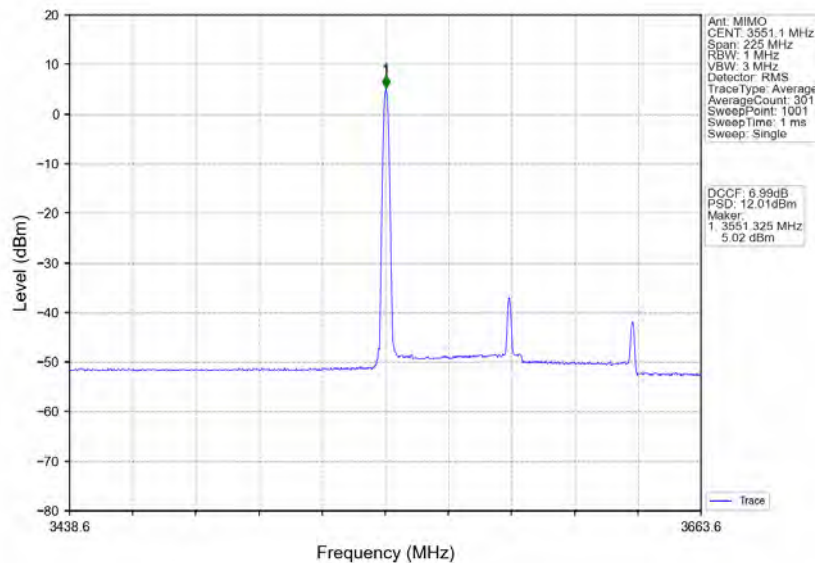
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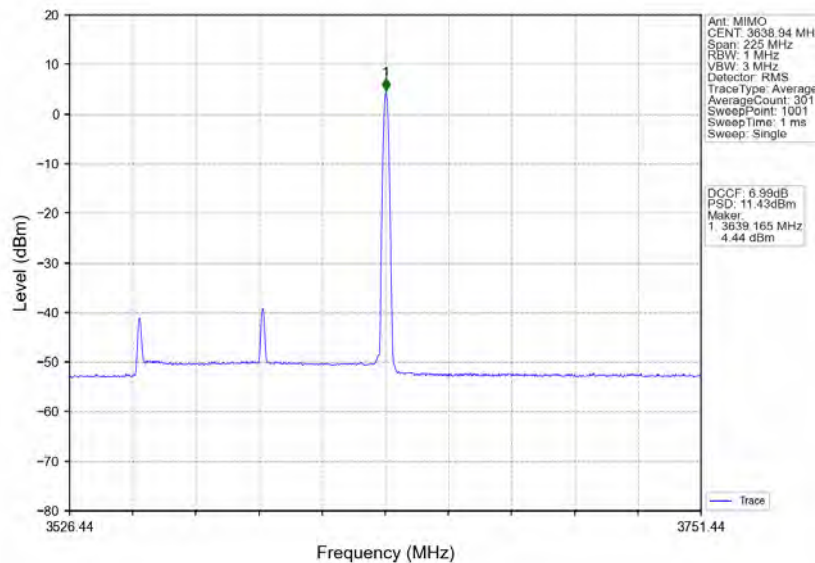
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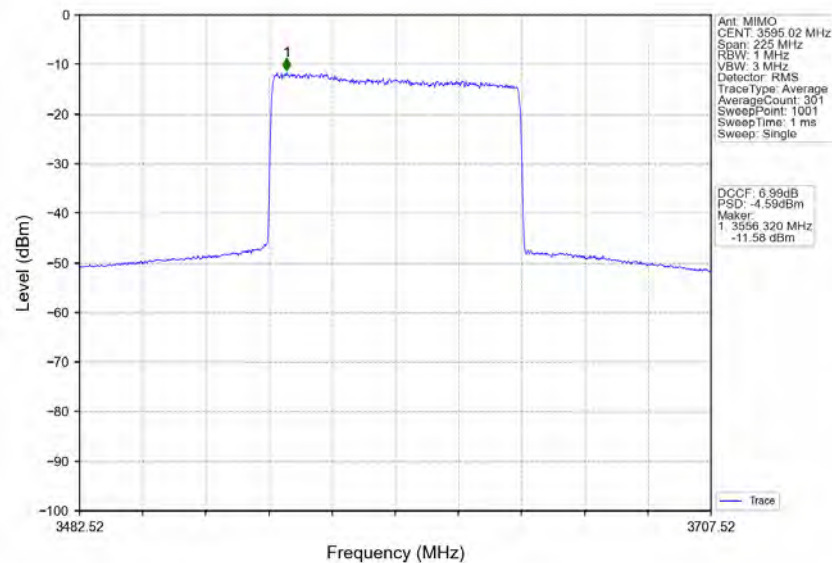
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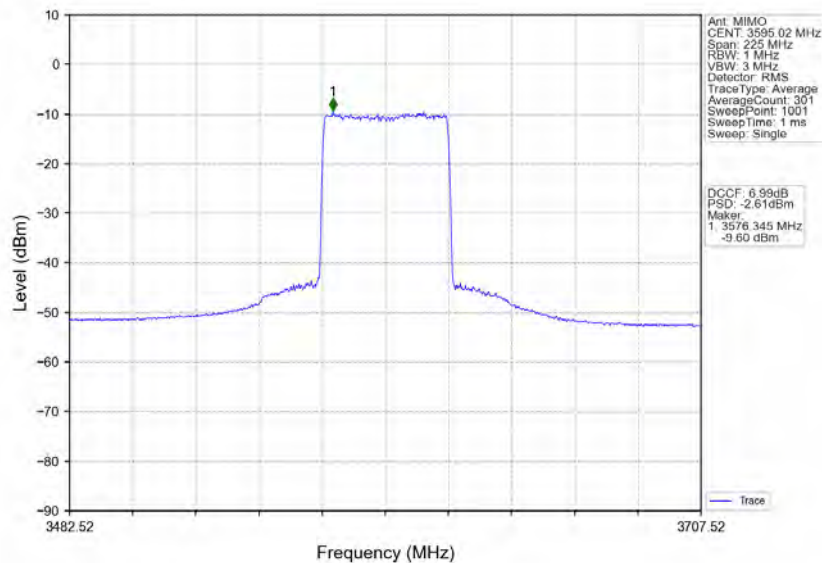
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM 64 QAM_3595.02MHz_Outer_Full



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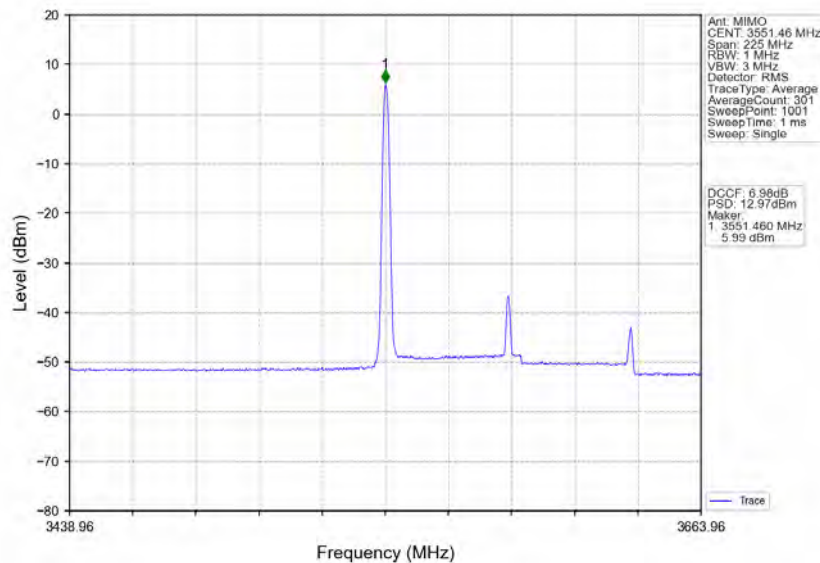
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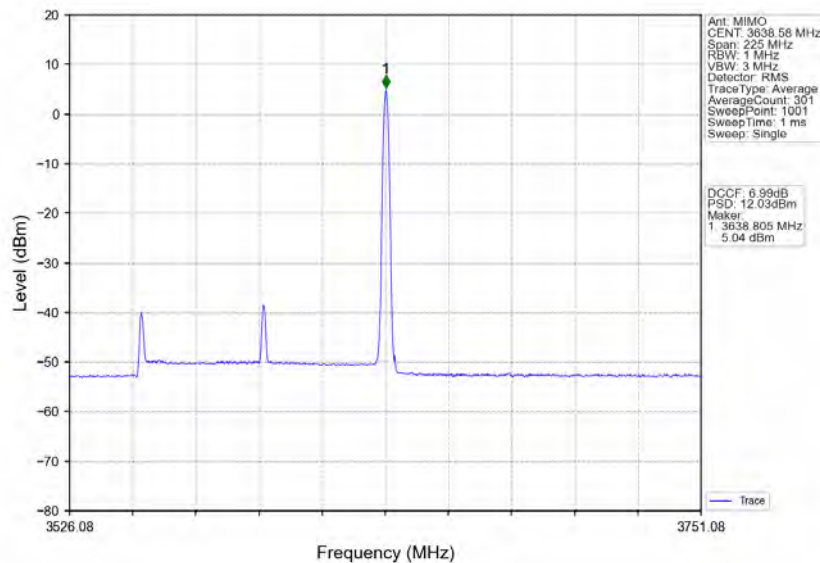
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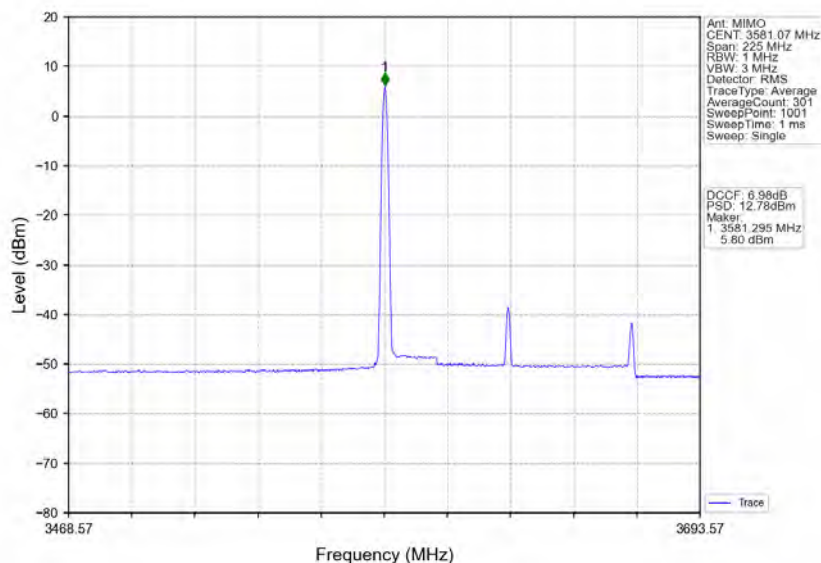
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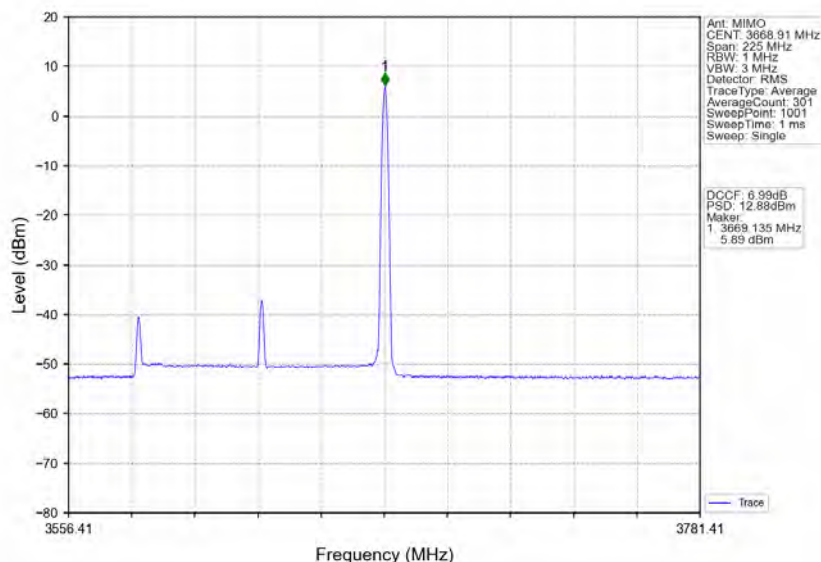
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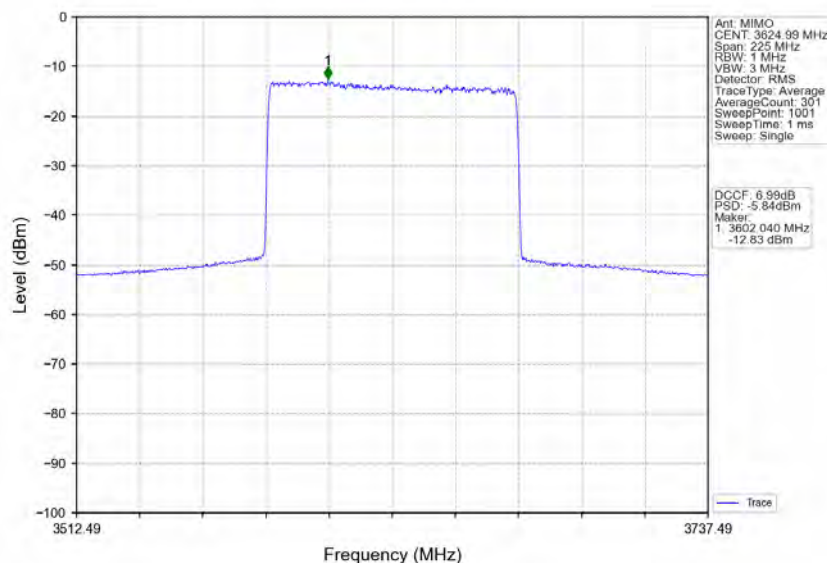
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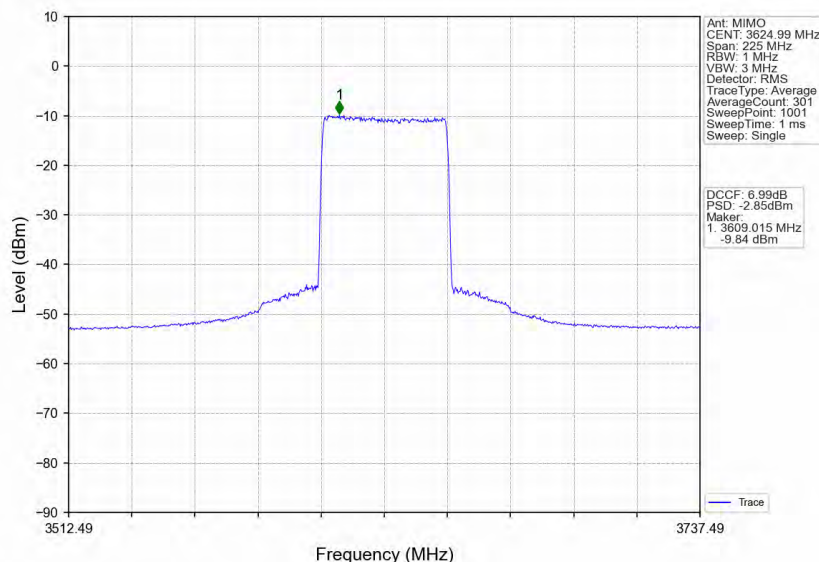
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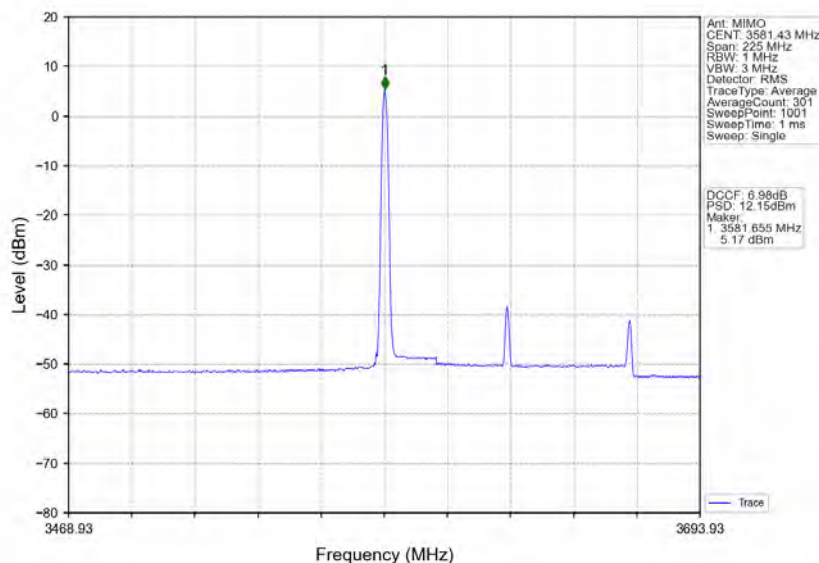
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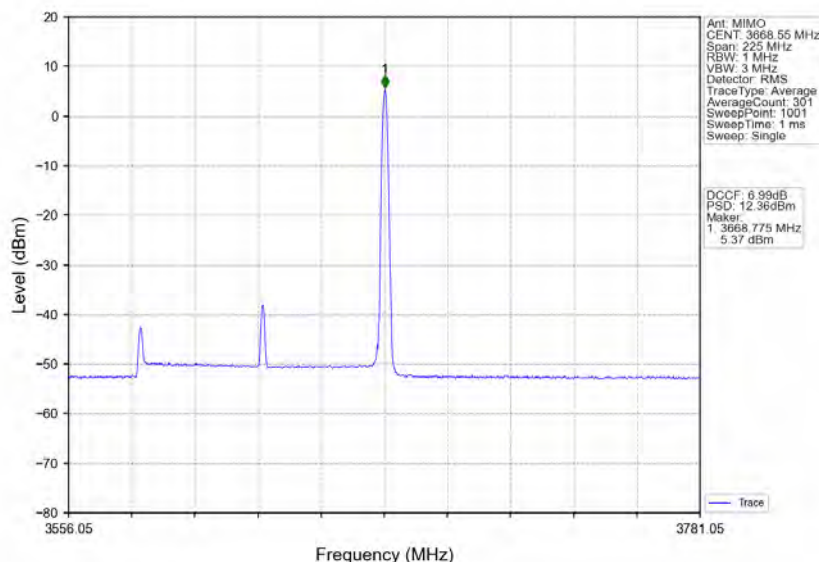
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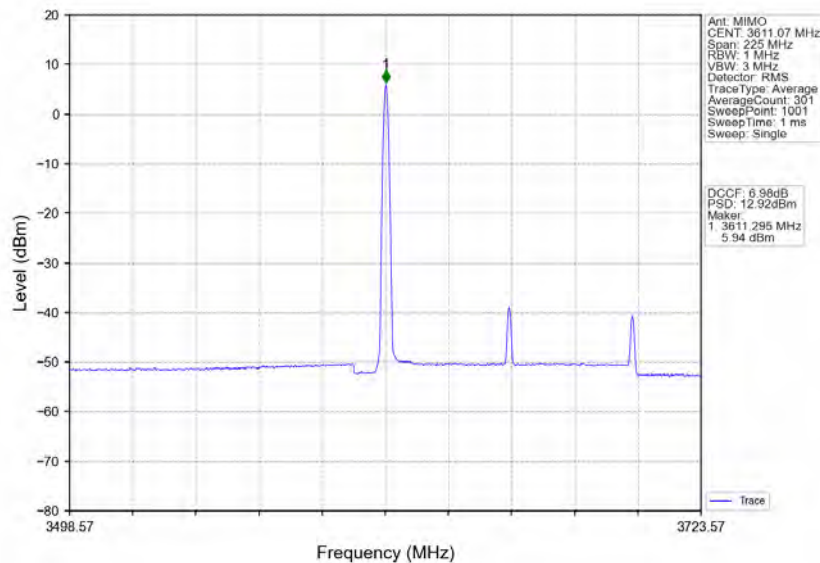
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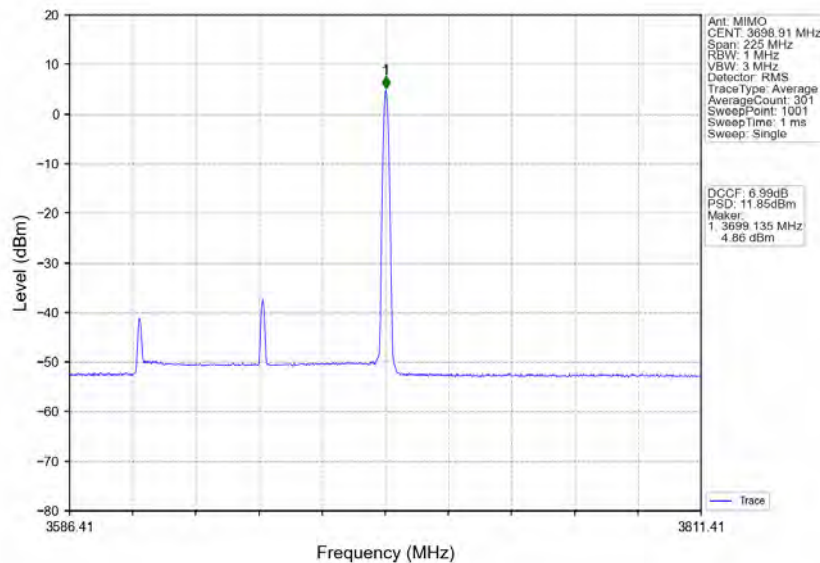
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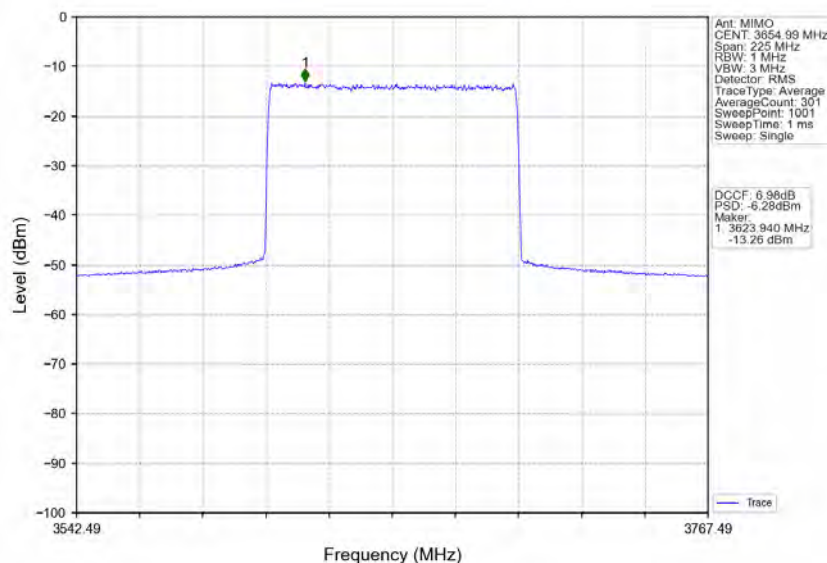
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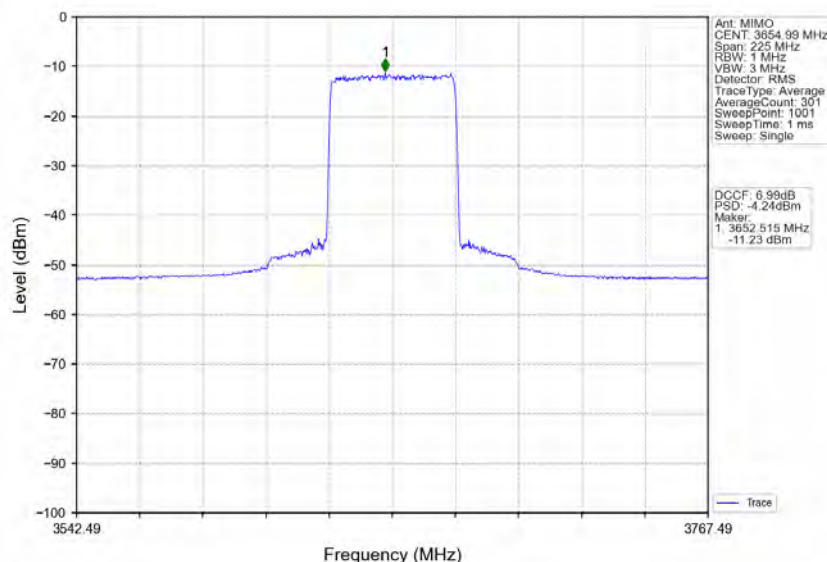
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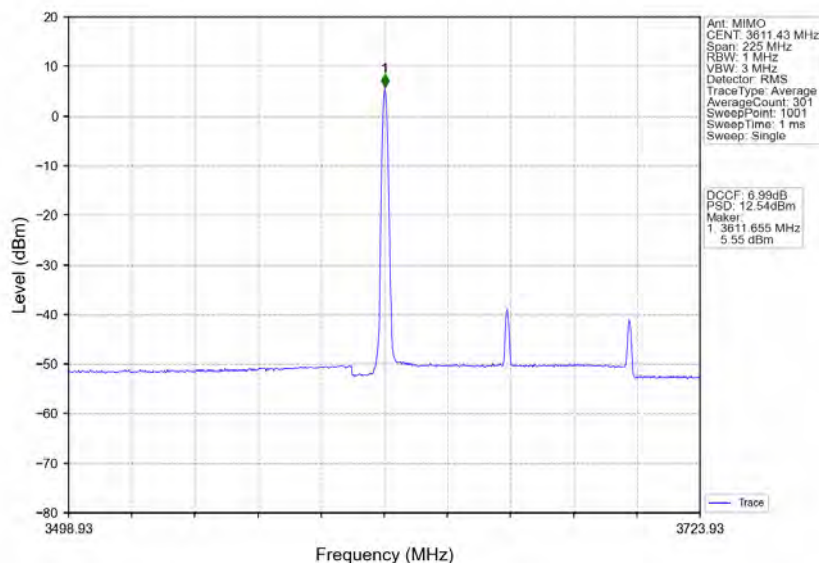
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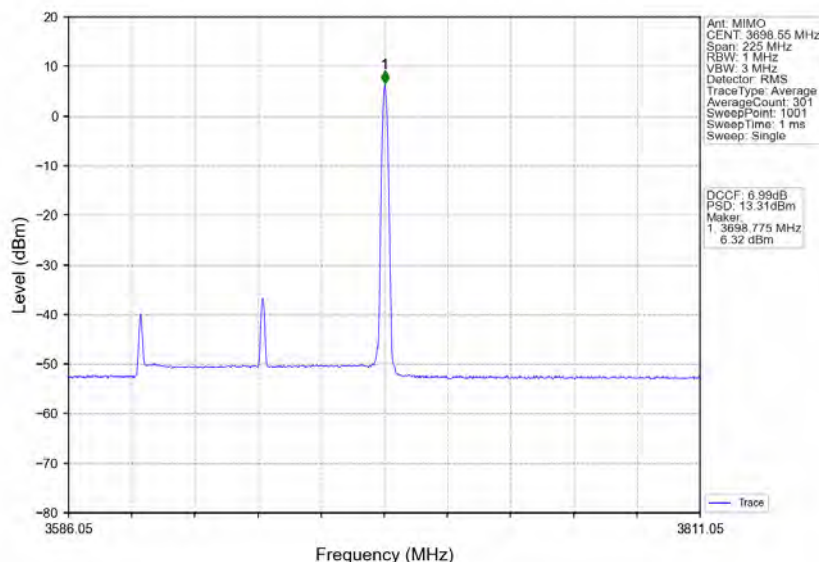
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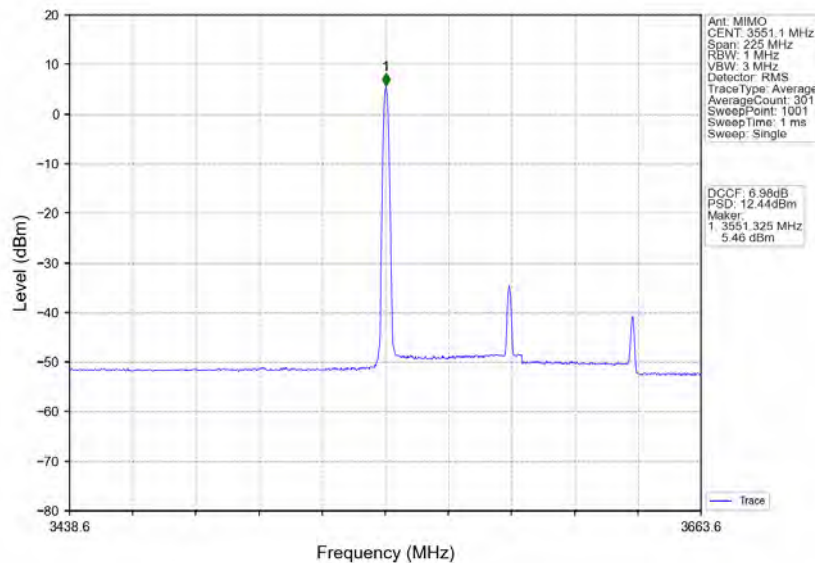
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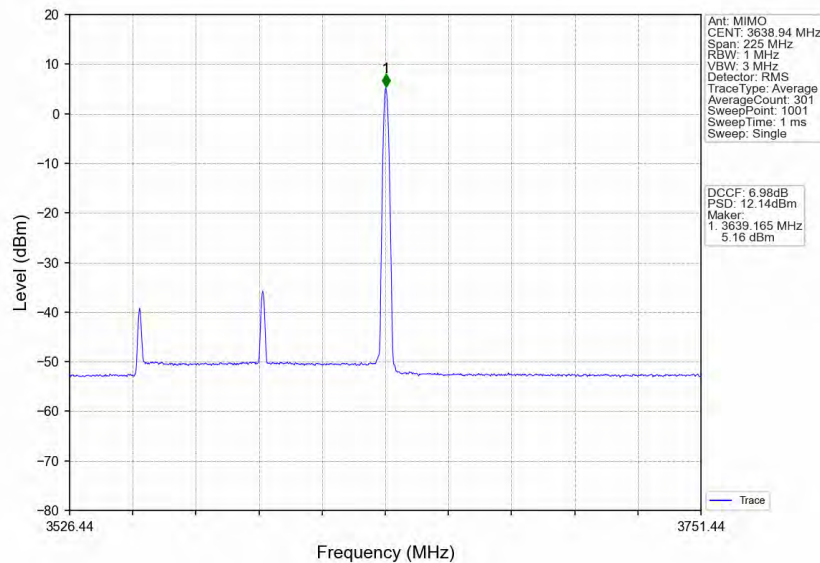
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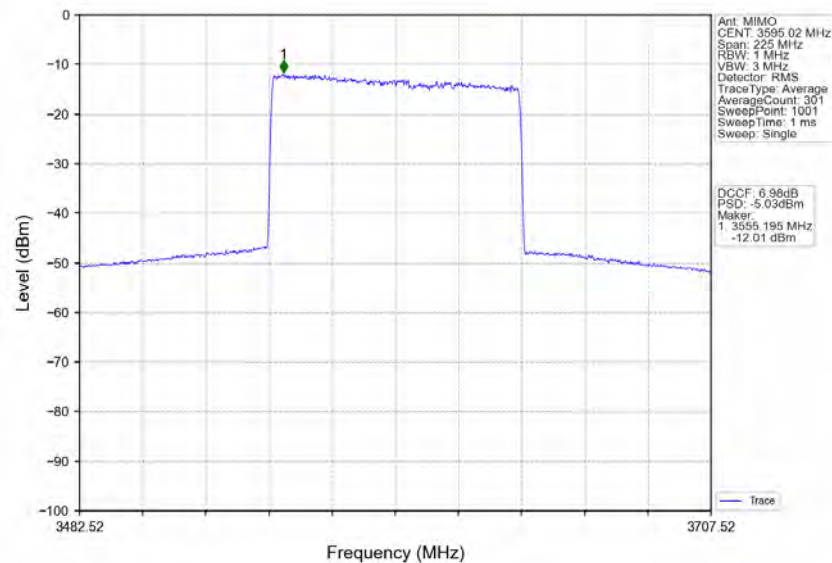
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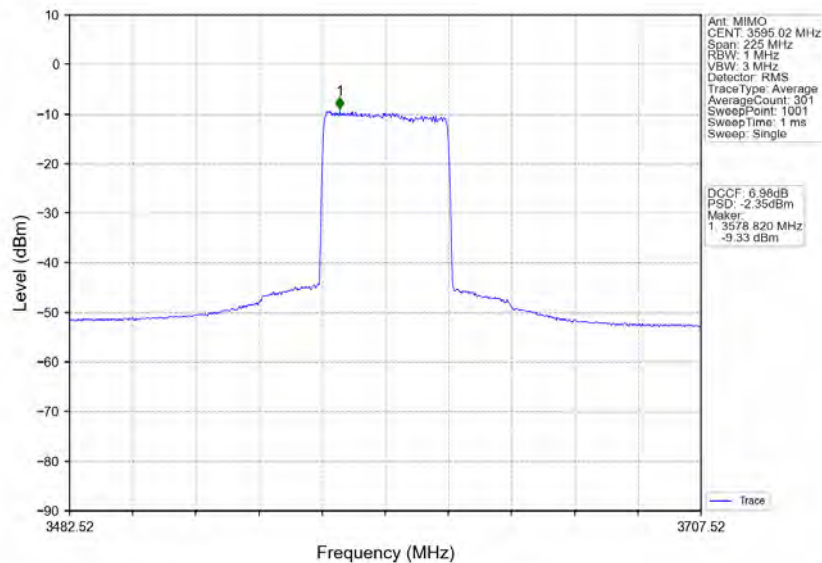
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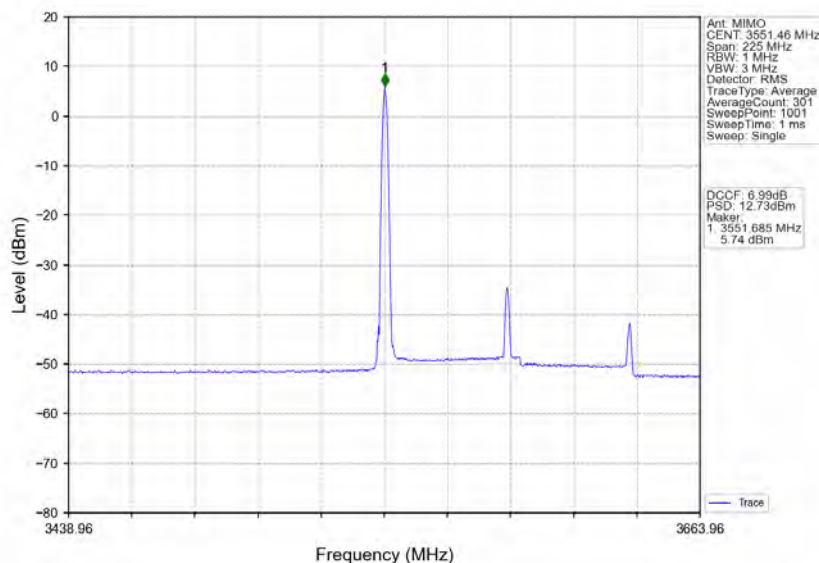
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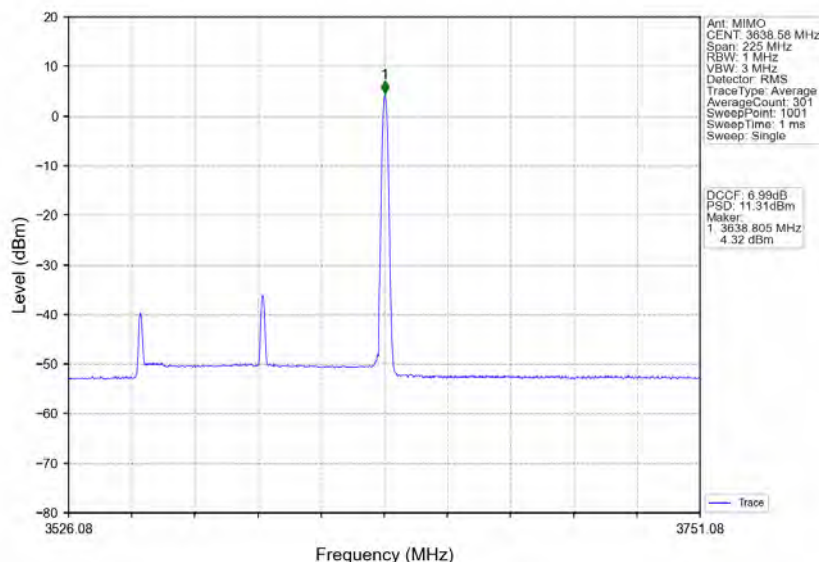
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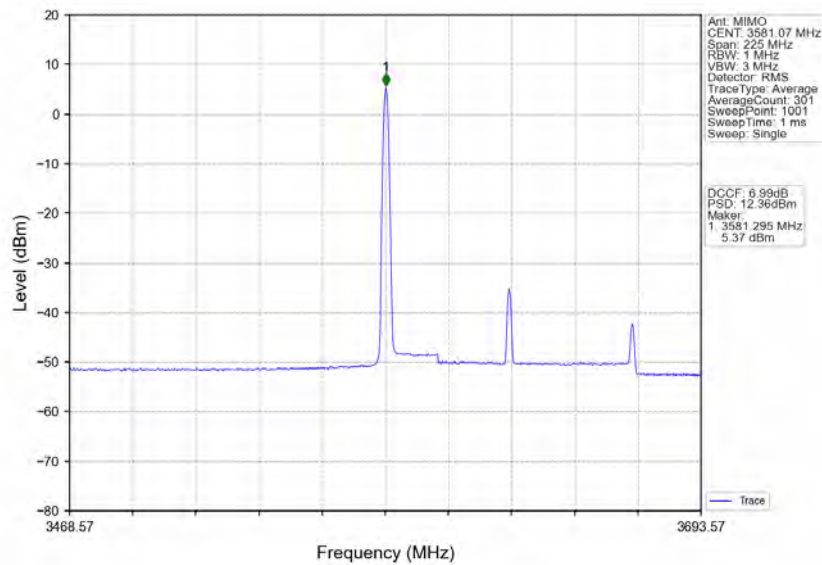
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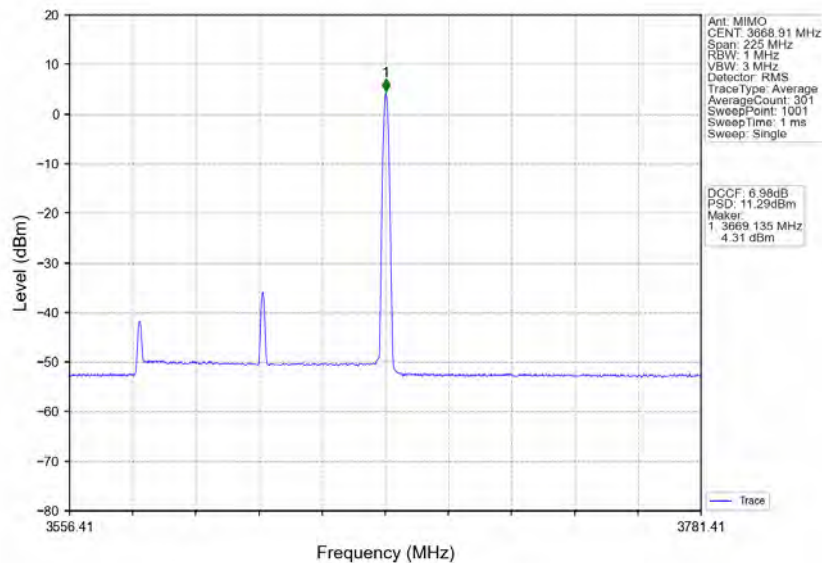
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_256_QAM_3624.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_256_QAM_3624.99MHz_Edge_1RB_Right



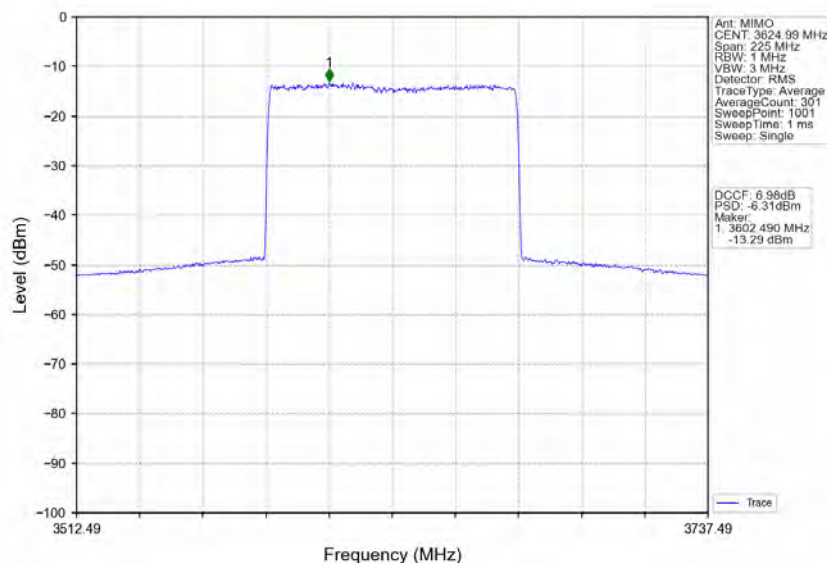
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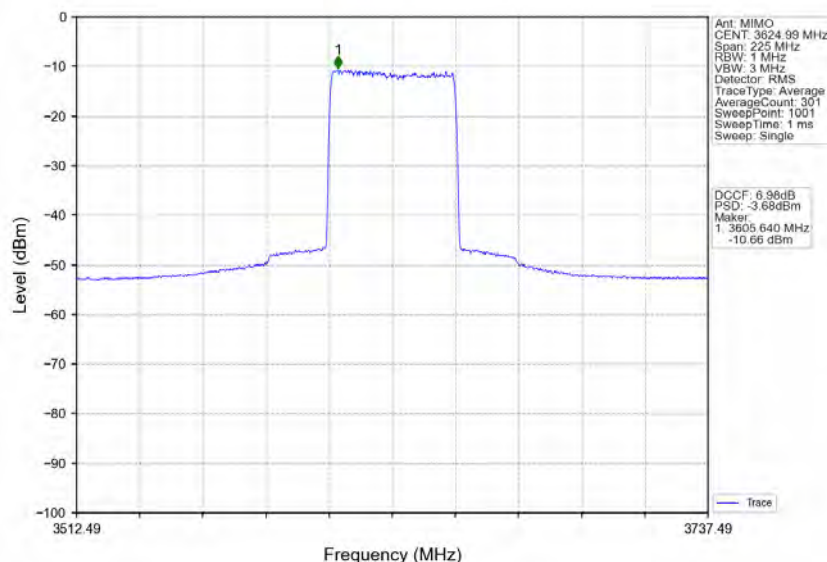
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_256_QAM_3624.99MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_256_QAM_3624.99MHz_Inner_Full



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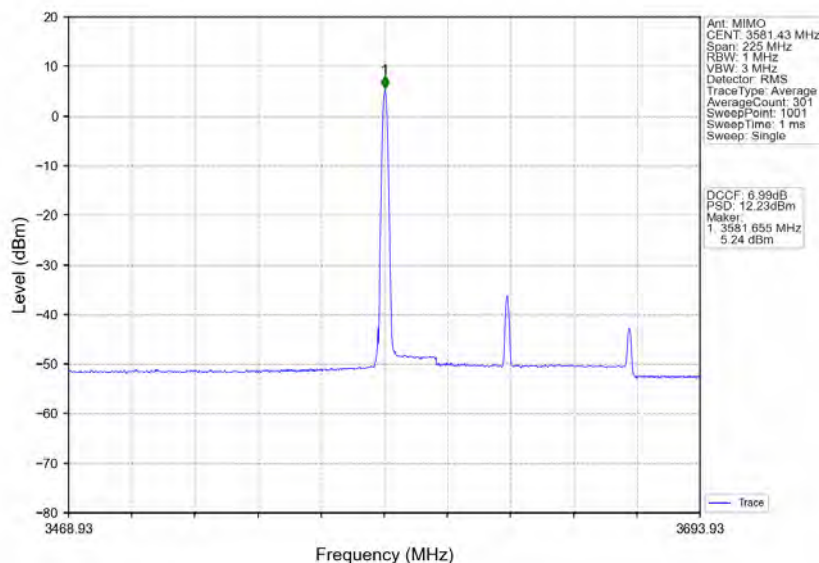
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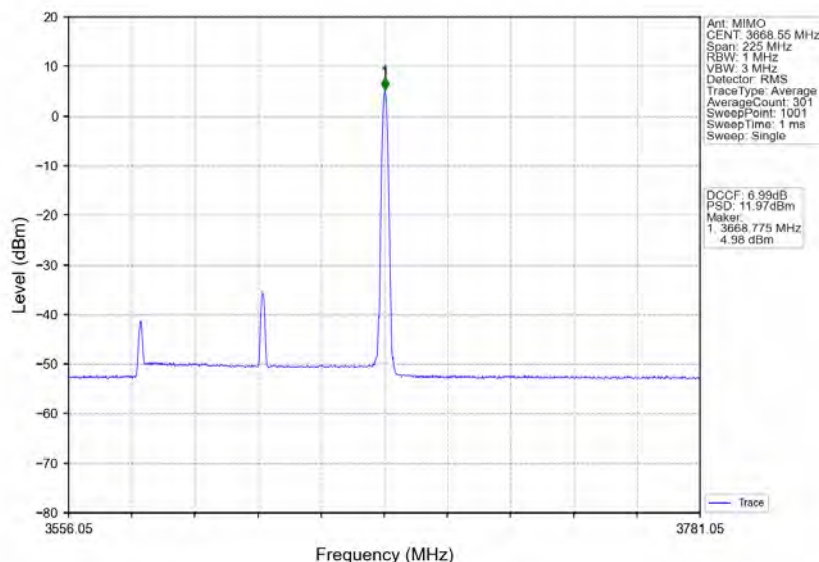
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_256_QAM_3624.99MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_256_QAM_3624.99MHz_Inner_1RB_Right



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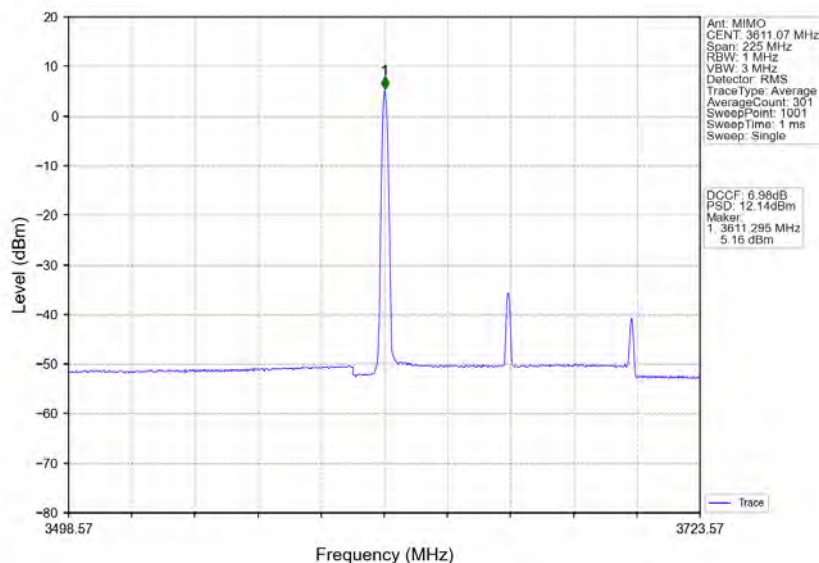
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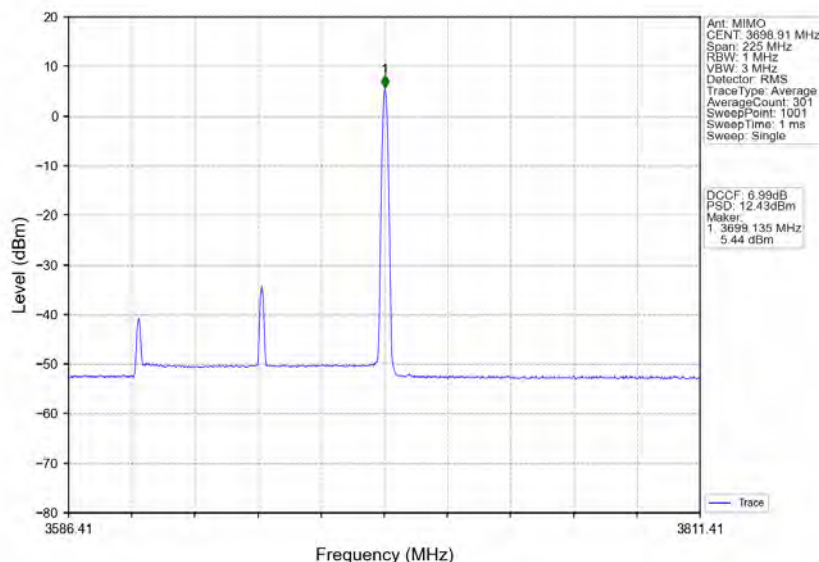
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_256_QAM_3654.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_256_QAM_3654.99MHz_Edge_1RB_Right



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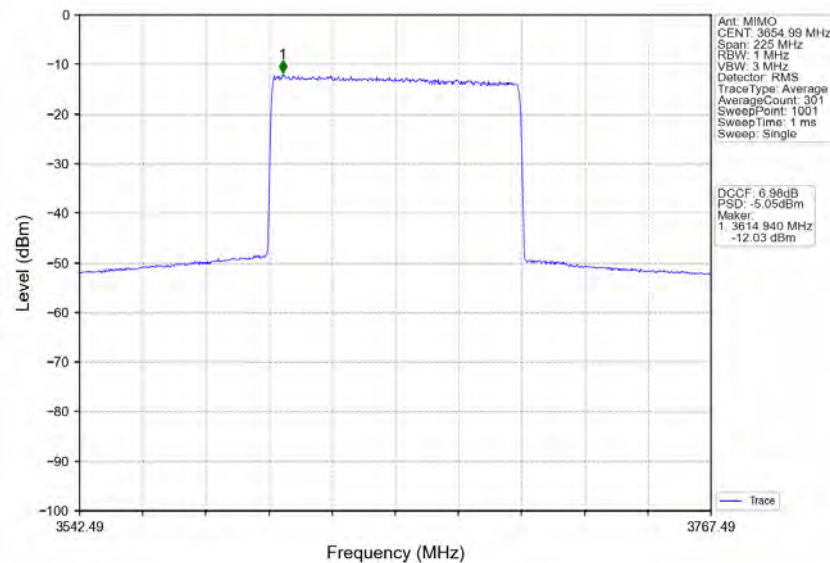
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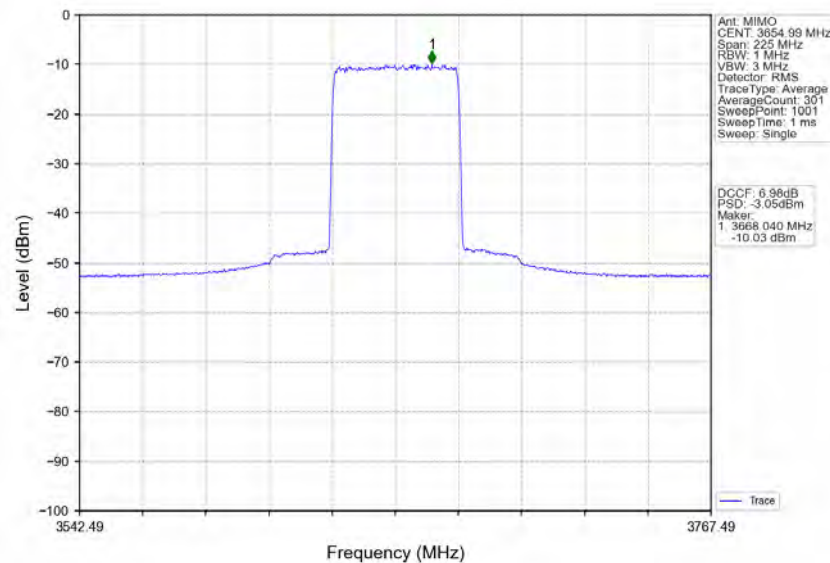
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_256_QAM_3654.99MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_256_QAM_3654.99MHz_Inner_Full



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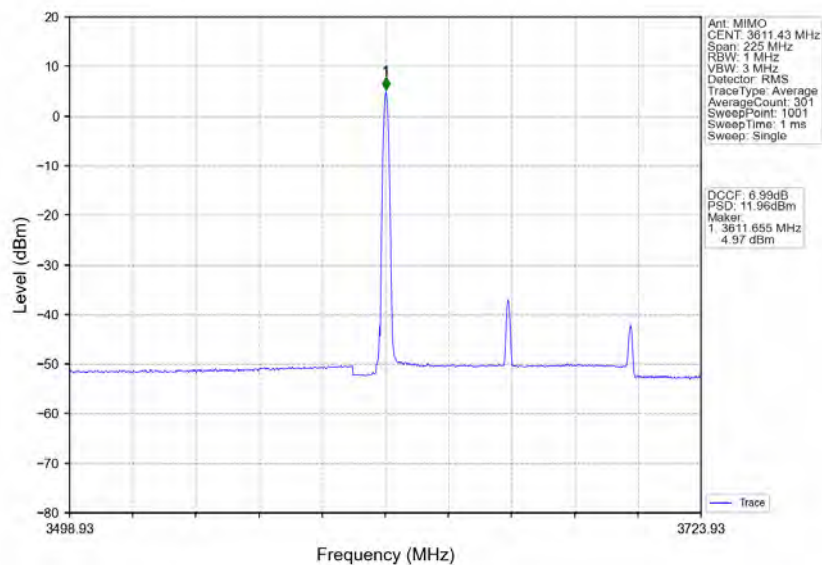
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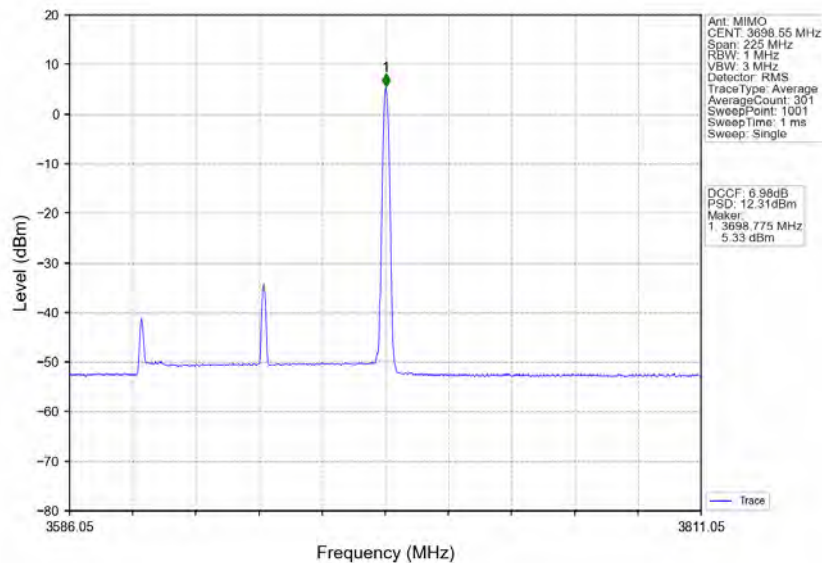
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM 256 QAM 3654.99MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM 256 QAM 3654.99MHz_Inner_1RB_Right



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2.31 30k_MIMO_100MHz_NTNV_EIRP

2.31.1 Test Result

5G NR n78d SCS=30kHz MIMO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3600	Edge 1RB Left	10.22	10.24	13.24	15.12	16.04	18.61	-	Pass
		Edge 1RB Right	9.98	10.59	13.31	14.88	16.39	18.71	-	Pass
		Outer Full	10.25	10.47	13.37	15.15	16.27	18.76	-	Pass
		Inner Full	10.27	10.48	13.38	15.17	16.28	18.77	-	Pass
		Inner 1RB Left	10.24	10.27	13.27	15.14	16.07	18.64	-	Pass
		Inner 1RB Right	9.96	10.62	13.31	14.86	16.42	18.72	-	Pass
	3624.99	Edge 1RB Left	10.26	10.45	13.37	15.16	16.25	18.75	-	Pass
		Edge 1RB Right	9.97	10.45	13.23	14.87	16.25	18.62	-	Pass
		Outer Full	10.24	10.68	13.48	15.14	16.48	18.87	-	Pass
		Inner Full	10.23	10.72	13.49	15.13	16.52	18.89	-	Pass
		Inner 1RB Left	10.30	10.47	13.40	15.20	16.27	18.78	-	Pass
		Inner 1RB Right	10.06	10.45	13.27	14.96	16.25	18.66	-	Pass
	3649.98	Edge 1RB Left	10.44	10.41	13.43	15.34	16.21	18.81	-	Pass
		Edge 1RB Right	10.30	10.65	13.49	15.20	16.45	18.88	-	Pass
		Outer Full	10.15	10.67	13.43	15.05	16.47	18.83	-	Pass
		Inner Full	10.09	10.65	13.39	14.99	16.45	18.79	-	Pass
		Inner 1RB Left	10.43	10.41	13.43	15.33	16.21	18.80	-	Pass
		Inner 1RB Right	10.39	10.68	13.55	15.29	16.48	18.94	-	Pass
CP-OFDM 16 QAM	3600	Edge 1RB Left	9.98	10.33	13.17	14.88	16.13	18.56	-	Pass
		Edge 1RB Right	9.80	10.59	13.23	14.70	16.39	18.64	-	Pass
		Outer Full	10.28	10.48	13.39	15.18	16.28	18.78	-	Pass
		Inner Full	10.27	10.52	13.41	15.17	16.32	18.79	-	Pass
		Inner 1RB Left	10.11	10.50	13.32	15.01	16.30	18.71	-	Pass
		Inner 1RB Right	9.82	10.69	13.29	14.72	16.49	18.70	-	Pass
	3624.99	Edge 1RB Left	10.20	10.51	13.37	15.10	16.31	18.76	-	Pass
		Edge 1RB Right	9.76	10.49	13.15	14.66	16.29	18.56	-	Pass
		Outer Full	10.24	10.67	13.47	15.14	16.47	18.87	-	Pass
		Inner Full	10.33	10.79	13.58	15.23	16.59	18.97	-	Pass
		Inner 1RB Left	10.12	10.69	13.42	15.02	16.49	18.83	-	Pass
		Inner 1RB Right	9.83	10.47	13.18	14.73	16.27	18.58	-	Pass
	3649.98	Edge 1RB Left	10.15	10.49	13.33	15.05	16.29	18.72	-	Pass
		Edge 1RB Right	10.08	10.78	13.45	14.98	16.58	18.86	-	Pass
		Outer Full	10.26	10.68	13.48	15.16	16.48	18.88	-	Pass
		Inner Full	10.12	10.74	13.45	15.02	16.54	18.86	-	Pass
		Inner 1RB Left	10.25	10.58	13.43	15.15	16.38	18.82	-	Pass
		Inner 1RB Right	10.06	10.66	13.38	14.96	16.46	18.78	-	Pass
CP-OFDM 64 QAM	3600	Edge 1RB Left	10.24	10.40	13.33	15.14	16.20	18.71	-	Pass
		Edge 1RB Right	10.02	10.81	13.44	14.92	16.61	18.86	-	Pass
		Outer Full	10.26	10.48	13.39	15.16	16.28	18.77	-	Pass
		Inner Full	10.29	10.54	13.43	15.19	16.34	18.81	-	Pass
		Inner 1RB Left	10.27	10.42	13.35	15.17	16.22	18.74	-	Pass
		Inner 1RB Right	9.95	10.83	13.42	14.85	16.63	18.84	-	Pass
	3624.99	Edge 1RB Left	10.38	10.79	13.60	15.28	16.59	18.99	-	Pass
		Edge 1RB Right	10.07	10.65	13.38	14.97	16.45	18.78	-	Pass



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CP-OFDM 256 QAM		Outer_Full	10.24	10.66	13.46	15.14	16.46	18.86	-	Pass
		Inner_Full	10.34	10.76	13.56	15.24	16.56	18.96	-	Pass
		Inner_1RB_Left	10.33	10.73	13.55	15.23	16.53	18.94	-	Pass
		Inner_1RB_Right	10.00	10.62	13.33	14.90	16.42	18.74	-	Pass
	3649.98	Edge_1RB_Left	10.38	10.63	13.52	15.28	16.43	18.90	-	Pass
		Edge_1RB_Right	10.38	10.77	13.59	15.28	16.57	18.98	-	Pass
		Outer_Full	10.17	10.67	13.44	15.07	16.47	18.84	-	Pass
		Inner_Full	10.18	10.74	13.48	15.08	16.54	18.88	-	Pass
		Inner_1RB_Left	10.52	10.65	13.60	15.42	16.45	18.98	-	Pass
		Inner_1RB_Right	10.34	10.79	13.58	15.24	16.59	18.98	-	Pass
	3600	Edge_1RB_Left	10.39	10.28	13.35	15.29	16.08	18.71	-	Pass
		Edge_1RB_Right	10.24	10.65	13.46	15.14	16.45	18.85	-	Pass
		Outer_Full	10.27	10.51	13.40	15.17	16.31	18.79	-	Pass
		Inner_Full	10.31	10.54	13.44	15.21	16.34	18.82	-	Pass
		Inner_1RB_Left	10.42	10.22	13.33	15.32	16.02	18.69	-	Pass
		Inner_1RB_Right	10.22	10.60	13.42	15.12	16.40	18.82	-	Pass
	3624.99	Edge_1RB_Left	10.45	10.58	13.52	15.35	16.38	18.91	-	Pass
		Edge_1RB_Right	10.18	10.36	13.28	15.08	16.16	18.66	-	Pass
		Outer_Full	10.34	10.70	13.53	15.24	16.50	18.93	-	Pass
		Inner_Full	10.36	10.80	13.60	15.26	16.60	18.99	-	Pass
		Inner_1RB_Left	10.44	10.45	13.45	15.34	16.25	18.83	-	Pass
		Inner_1RB_Right	10.21	10.36	13.30	15.11	16.16	18.68	-	Pass
	3649.98	Edge_1RB_Left	10.52	10.43	13.49	15.42	16.23	18.85	-	Pass
		Edge_1RB_Right	10.49	10.60	13.56	15.39	16.40	18.93	-	Pass
		Outer_Full	10.25	10.71	13.49	15.15	16.51	18.89	-	Pass
		Inner_Full	10.14	10.70	13.44	15.04	16.50	18.84	-	Pass
		Inner_1RB_Left	10.55	10.42	13.50	15.45	16.22	18.86	-	Pass
		Inner_1RB_Right	10.46	10.50	13.49	15.36	16.30	18.87	-	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

2.32 30k_MIMO_100MHz_NTNV_EIRP/10MHz

2.32.1 Test Result

5G NR n78d SCS=30kHz MIMO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3600	Edge_1RB_Left	9.06	10.36	12.77	13.96	16.16	18.21	<=30	Pass
		Edge_1RB_Right	9.52	9.42	12.48	14.42	15.22	17.85	<=30	Pass
		Outer_Full	-0.52	-0.34	2.58	4.38	5.46	7.96	<=30	Pass
		Inner_Full	2.73	3.03	5.89	7.63	8.83	11.28	<=30	Pass
		Inner_1RB_Left	9.18	9.92	12.58	14.08	15.72	17.99	<=30	Pass
		Inner_1RB_Right	8.42	9.10	11.78	13.32	14.90	17.19	<=30	Pass
	3624.99	Edge_1RB_Left	10.31	9.04	12.73	15.21	14.84	18.04	<=30	Pass
		Edge_1RB_Right	9.45	10.15	12.82	14.35	15.95	18.23	<=30	Pass
		Outer_Full	-0.51	-0.26	2.63	4.39	5.54	8.01	<=30	Pass
		Inner_Full	2.23	2.82	5.55	7.13	8.62	10.95	<=30	Pass
		Inner_1RB_Left	10.20	9.87	13.05	15.10	15.67	18.40	<=30	Pass
		Inner_1RB_Right	9.23	9.35	12.30	14.13	15.15	17.68	<=30	Pass
	3649.98	Edge_1RB_Left	9.60	10.39	13.02	14.50	16.19	18.44	<=30	Pass



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CP-OFDM 16 QAM	3600	Edge 1RB Right	9.55	9.74	12.66	14.45	15.54	18.04	<=30	Pass
		Outer Full	-0.87	0.54	2.90	4.03	6.34	8.35	<=30	Pass
		Inner Full	2.07	2.40	5.25	6.97	8.20	10.64	<=30	Pass
		Inner 1RB Left	9.80	10.01	12.92	14.70	15.81	18.30	<=30	Pass
		Inner 1RB Right	9.57	9.92	12.76	14.47	15.72	18.15	<=30	Pass
	3624.99	Edge 1RB Left	9.69	9.79	12.75	14.59	15.59	18.13	<=30	Pass
		Edge 1RB Right	8.31	8.98	11.67	13.21	14.78	17.08	<=30	Pass
		Outer Full	-0.53	-0.05	2.73	4.37	5.75	8.12	<=30	Pass
		Inner Full	2.52	2.98	5.77	7.42	8.78	11.16	<=30	Pass
		Inner 1RB Left	9.23	9.52	12.39	14.13	15.32	17.78	<=30	Pass
	3649.98	Edge 1RB Left	8.99	10.11	12.60	13.89	15.91	18.03	<=30	Pass
		Edge 1RB Right	10.12	9.68	12.92	15.02	15.48	18.27	<=30	Pass
		Outer Full	8.92	8.98	11.96	13.82	14.78	17.34	<=30	Pass
		Inner Full	-0.70	-0.18	2.58	4.20	5.62	7.98	<=30	Pass
		Inner 1RB Left	2.56	2.50	5.54	7.46	8.30	10.91	<=30	Pass
CP-OFDM 64 QAM	3600	Inner 1RB Right	9.03	9.90	12.50	13.93	15.70	17.91	<=30	Pass
		Inner 1RB Right	8.86	9.11	12.00	13.76	14.91	17.38	<=30	Pass
	3624.99	Edge 1RB Left	9.61	9.55	12.59	14.51	15.35	17.96	<=30	Pass
		Edge 1RB Right	9.50	8.62	12.09	14.40	14.42	17.42	<=30	Pass
		Outer Full	-0.72	1.72	3.68	4.18	7.52	9.17	<=30	Pass
	3649.98	Inner Full	2.36	3.49	5.97	7.26	9.29	11.40	<=30	Pass
		Inner 1RB Left	9.23	10.44	12.89	14.13	16.24	18.32	<=30	Pass
		Inner 1RB Right	8.59	8.97	11.79	13.49	14.77	17.19	<=30	Pass
	3600	Edge 1RB Left	10.28	9.91	13.11	15.18	15.71	18.46	<=30	Pass
		Edge 1RB Right	8.24	9.28	11.80	13.14	15.08	17.23	<=30	Pass
		Outer Full	-0.66	0.21	2.81	4.24	6.01	8.22	<=30	Pass
		Inner Full	2.73	3.31	6.04	7.63	9.11	11.44	<=30	Pass
		Inner 1RB Left	9.47	9.64	12.57	14.37	15.44	17.95	<=30	Pass
	3624.99	Inner 1RB Right	9.81	9.72	12.78	14.71	15.52	18.14	<=30	Pass
		Edge 1RB Left	9.94	10.20	13.08	14.84	16.00	18.47	<=30	Pass
		Edge 1RB Right	9.22	9.22	12.23	14.12	15.02	17.60	<=30	Pass
		Outer Full	-1.05	-0.35	2.32	3.85	5.45	7.73	<=30	Pass
		Inner Full	2.42	2.93	5.69	7.32	8.73	11.09	<=30	Pass
	3649.98	Inner 1RB Left	10.36	9.78	13.09	15.26	15.58	18.43	<=30	Pass
		Inner 1RB Right	9.31	11.14	13.33	14.21	16.94	18.80	<=30	Pass
		Edge 1RB Left	9.88	10.58	13.25	14.78	16.38	18.66	<=30	Pass
		Edge 1RB Right	8.89	9.61	12.28	13.79	15.41	17.69	<=30	Pass
		Outer Full	-1.01	0.32	2.72	3.89	6.12	8.16	<=30	Pass
CP-OFDM 256 QAM	3600	Inner Full	0.71	2.62	4.78	5.61	8.42	10.25	<=30	Pass
		Inner 1RB Left	10.11	9.97	13.05	15.01	15.77	18.42	<=30	Pass
		Inner 1RB Right	9.03	10.67	12.94	13.93	16.47	18.39	<=30	Pass
	3624.99	Edge 1RB Left	9.72	10.23	12.99	14.62	16.03	18.39	<=30	Pass
		Edge 1RB Right	9.49	10.86	13.24	14.39	16.66	18.68	<=30	Pass
		Outer Full	-0.30	0.10	2.91	4.60	5.90	8.31	<=30	Pass
		Inner Full	2.63	2.88	5.77	7.53	8.68	11.15	<=30	Pass
		Inner 1RB Left	9.30	9.27	12.30	14.20	15.07	17.67	<=30	Pass
	3649.98	Inner 1RB Right	8.70	9.63	12.20	13.60	15.43	17.62	<=30	Pass
		Edge 1RB Left	10.03	10.67	13.37	14.93	16.47	18.78	<=30	Pass
		Edge 1RB Right	7.67	9.60	11.75	12.57	15.40	17.22	<=30	Pass
		Outer Full	-0.47	0.12	2.85	4.43	5.92	8.25	<=30	Pass
		Inner Full	2.53	3.00	5.78	7.43	8.80	11.18	<=30	Pass
	3600	Inner 1RB Left	10.32	10.13	13.24	15.22	15.93	18.60	<=30	Pass
		Inner 1RB Right	9.89	10.67	13.31	14.79	16.47	18.72	<=30	Pass
		Edge 1RB Left	10.15	10.91	13.56	15.05	16.71	18.97	<=30	Pass
		Edge 1RB Right	10.15	10.91	13.56	15.05	16.71	18.97	<=30	Pass
		Outer Full	10.15	10.91	13.56	15.05	16.71	18.97	<=30	Pass

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	Edge_1RB_Right	9.47	9.62	12.56	14.37	15.42	17.94	<=30	Pass
	Outer_Full	-0.50	0.60	3.10	4.40	6.40	8.52	<=30	Pass
	Inner_Full	2.15	1.88	5.03	7.05	7.68	10.39	<=30	Pass
	Inner_1RB_Left	9.55	10.30	12.95	14.45	16.10	18.36	<=30	Pass
	Inner_1RB_Right	9.75	9.44	12.61	14.65	15.24	17.97	<=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

2.33 30k_MIMO_100MHz_NTNV_PSD

2.33.1 Test Result

5G NR n78d SCS=30kHz MIMO 100MHz 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	3600	Edge_1RB_Left	9.06	10.36	12.87	13.96	16.16	18.67	<=20	Pass
		Edge_1RB_Right	9.52	9.42	11.27	14.42	15.22	17.07	<=20	Pass
		Outer_Full	-0.52	-0.34	-5.41	4.38	5.46	0.39	<=20	Pass
		Inner_Full	2.73	3.03	-3.03	7.63	8.83	2.77	<=20	Pass
		Inner_1RB_Left	9.18	9.92	12.80	14.08	15.72	18.60	<=20	Pass
		Inner_1RB_Right	8.42	9.10	11.79	13.32	14.90	17.59	<=20	Pass
	3624.99	Edge_1RB_Left	10.31	9.04	12.34	15.21	14.84	18.14	<=20	Pass
		Edge_1RB_Right	9.45	10.15	11.16	14.35	15.95	16.96	<=20	Pass
		Outer_Full	-0.51	-0.26	-5.47	4.39	5.54	0.33	<=20	Pass
		Inner_Full	2.23	2.82	-3.33	7.13	8.62	2.47	<=20	Pass
		Inner_1RB_Left	10.20	9.87	12.52	15.10	15.67	18.32	<=20	Pass
		Inner_1RB_Right	9.23	9.35	11.76	14.13	15.15	17.56	<=20	Pass
	3649.98	Edge_1RB_Left	9.60	10.39	12.67	14.50	16.19	18.47	<=20	Pass
		Edge_1RB_Right	9.55	9.74	12.80	14.45	15.54	18.60	<=20	Pass
		Outer_Full	-0.87	0.54	-6.58	4.03	6.34	-0.78	<=20	Pass
		Inner_Full	2.07	2.40	-4.10	6.97	8.20	1.70	<=20	Pass
		Inner_1RB_Left	9.80	10.01	12.46	14.70	15.81	18.26	<=20	Pass
		Inner_1RB_Right	9.57	9.92	12.26	14.47	15.72	18.06	<=20	Pass
CP-OFDM 16 QAM	3600	Edge_1RB_Left	9.69	9.79	12.23	14.59	15.59	18.03	<=20	Pass
		Edge_1RB_Right	8.31	8.98	11.97	13.21	14.78	17.77	<=20	Pass
		Outer_Full	-0.53	-0.05	-5.38	4.37	5.75	0.42	<=20	Pass
		Inner_Full	2.52	2.98	-2.78	7.42	8.78	3.02	<=20	Pass
		Inner_1RB_Left	9.23	9.52	10.85	14.13	15.32	16.65	<=20	Pass
		Inner_1RB_Right	8.99	10.11	11.34	13.89	15.91	17.14	<=20	Pass
	3624.99	Edge_1RB_Left	10.12	9.68	12.41	15.02	15.48	18.21	<=20	Pass
		Edge_1RB_Right	8.92	8.98	11.45	13.82	14.78	17.25	<=20	Pass
		Outer_Full	-0.70	-0.18	-5.61	4.20	5.62	0.19	<=20	Pass
		Inner_Full	2.56	2.50	-3.69	7.46	8.30	2.11	<=20	Pass
		Inner_1RB_Left	9.03	9.90	13.09	13.93	15.70	18.89	<=20	Pass
		Inner_1RB_Right	8.86	9.11	11.26	13.76	14.91	17.06	<=20	Pass
	3649.98	Edge_1RB_Left	9.61	9.55	12.55	14.51	15.35	18.35	<=20	Pass
		Edge_1RB_Right	9.50	8.62	11.96	14.40	14.42	17.76	<=20	Pass
		Outer_Full	-0.72	1.72	-6.30	4.18	7.52	-0.50	<=20	Pass
		Inner_Full	2.36	3.49	-3.00	7.26	9.29	2.80	<=20	Pass
		Inner_1RB_Left	9.23	10.44	13.18	14.13	16.24	18.98	<=20	Pass
		Inner_1RB_Right	8.59	8.97	12.29	13.49	14.77	18.09	<=20	Pass

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CP-OFDM 64 QAM	3600	Edge 1RB Left	10.28	9.91	11.99	15.18	15.71	17.79	<=20	Pass
		Edge 1RB Right	8.24	9.28	11.30	13.14	15.08	17.10	<=20	Pass
		Outer Full	-0.66	0.21	-5.42	4.24	6.01	0.38	<=20	Pass
		Inner Full	2.73	3.31	-2.78	7.63	9.11	3.02	<=20	Pass
		Inner 1RB Left	9.47	9.64	12.13	14.37	15.44	17.93	<=20	Pass
		Inner 1RB Right	9.81	9.72	12.18	14.71	15.52	17.98	<=20	Pass
	3624.99	Edge 1RB Left	9.94	10.20	13.09	14.84	16.00	18.89	<=20	Pass
		Edge 1RB Right	9.22	9.22	10.95	14.12	15.02	16.75	<=20	Pass
		Outer Full	-1.05	-0.35	-5.27	3.85	5.45	0.53	<=20	Pass
		Inner Full	2.42	2.93	-3.12	7.32	8.73	2.68	<=20	Pass
		Inner 1RB Left	10.36	9.78	12.93	15.26	15.58	18.73	<=20	Pass
		Inner 1RB Right	9.31	11.14	12.12	14.21	16.94	17.92	<=20	Pass
	3649.98	Edge 1RB Left	9.88	10.58	13.24	14.78	16.38	19.04	<=20	Pass
		Edge 1RB Right	8.89	9.61	12.09	13.79	15.41	17.89	<=20	Pass
		Outer Full	-1.01	0.32	-6.93	3.89	6.12	-1.13	<=20	Pass
		Inner Full	0.71	2.62	-4.50	5.61	8.42	1.30	<=20	Pass
		Inner 1RB Left	10.11	9.97	12.83	15.01	15.77	18.63	<=20	Pass
		Inner 1RB Right	9.03	10.67	12.73	13.93	16.47	18.53	<=20	Pass
CP-OFDM 256 QAM	3600	Edge 1RB Left	9.72	10.23	12.57	14.62	16.03	18.37	<=20	Pass
		Edge 1RB Right	9.49	10.86	12.01	14.39	16.66	17.81	<=20	Pass
		Outer Full	-0.30	0.10	-5.85	4.60	5.90	-0.05	<=20	Pass
		Inner Full	2.63	2.88	-2.40	7.53	8.68	3.40	<=20	Pass
		Inner 1RB Left	9.30	9.27	12.92	14.20	15.07	18.72	<=20	Pass
		Inner 1RB Right	8.70	9.63	11.65	13.60	15.43	17.45	<=20	Pass
	3624.99	Edge 1RB Left	10.03	10.67	12.35	14.93	16.47	18.15	<=20	Pass
		Edge 1RB Right	7.67	9.60	12.83	12.57	15.40	18.63	<=20	Pass
		Outer Full	-0.47	0.12	-5.24	4.43	5.92	0.56	<=20	Pass
		Inner Full	2.53	3.00	-3.27	7.43	8.80	2.53	<=20	Pass
		Inner 1RB Left	10.32	10.13	13.00	15.22	15.93	18.80	<=20	Pass
		Inner 1RB Right	9.89	10.67	11.44	14.79	16.47	17.24	<=20	Pass
	3649.98	Edge 1RB Left	10.15	10.91	13.22	15.05	16.71	19.02	<=20	Pass
		Edge 1RB Right	9.47	9.62	12.43	14.37	15.42	18.23	<=20	Pass
		Outer Full	-0.50	0.60	-6.89	4.40	6.40	-1.09	<=20	Pass
		Inner Full	2.15	1.88	-2.95	7.05	7.68	2.85	<=20	Pass
		Inner 1RB Left	9.55	10.30	12.19	14.45	16.10	17.99	<=20	Pass
		Inner 1RB Right	9.75	9.44	13.31	14.65	15.24	19.11	<=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



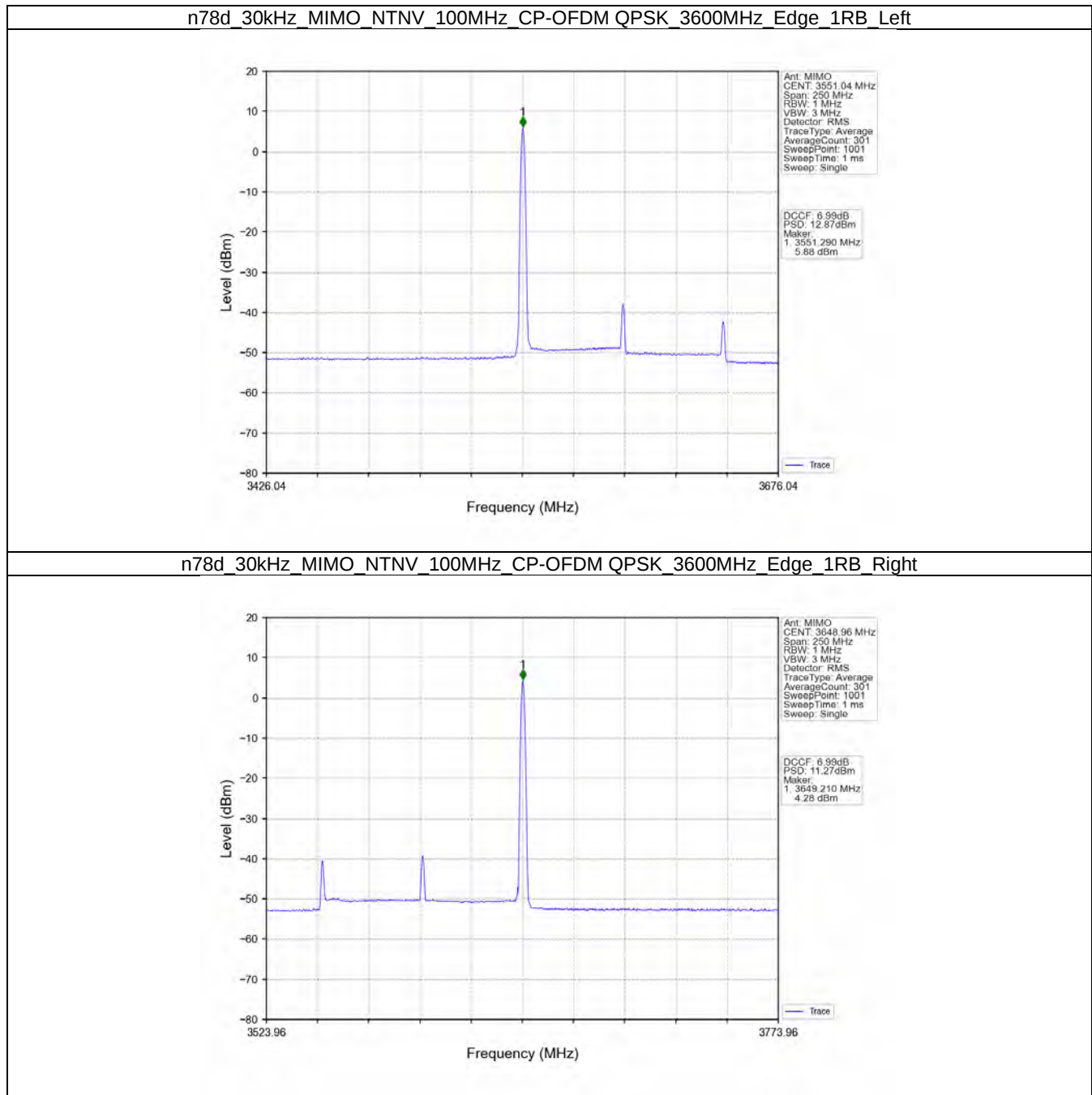
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2.33.2 Test Graph



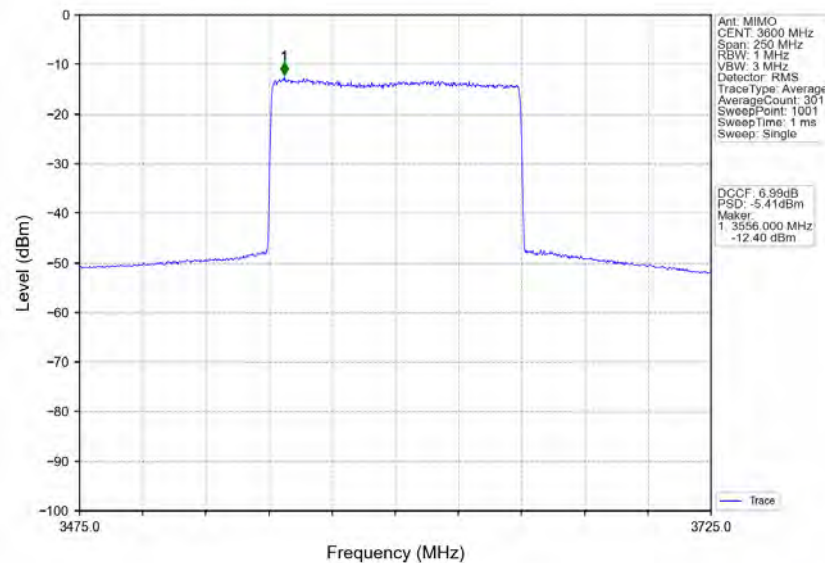
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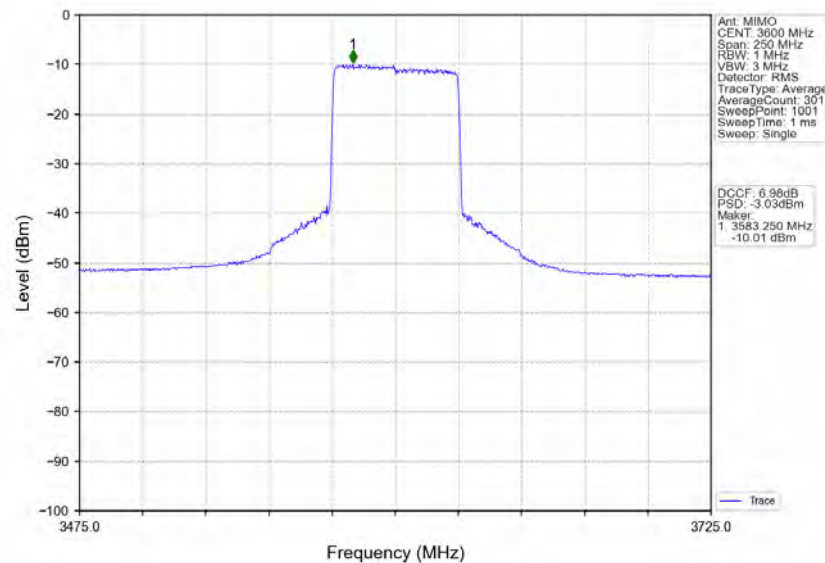
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n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_QPSK_3600MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_QPSK_3600MHz_Inner_Full



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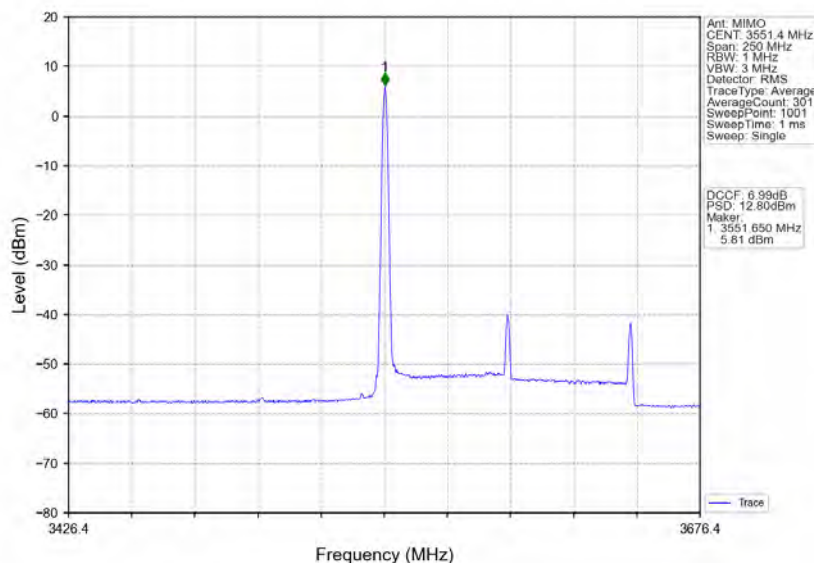
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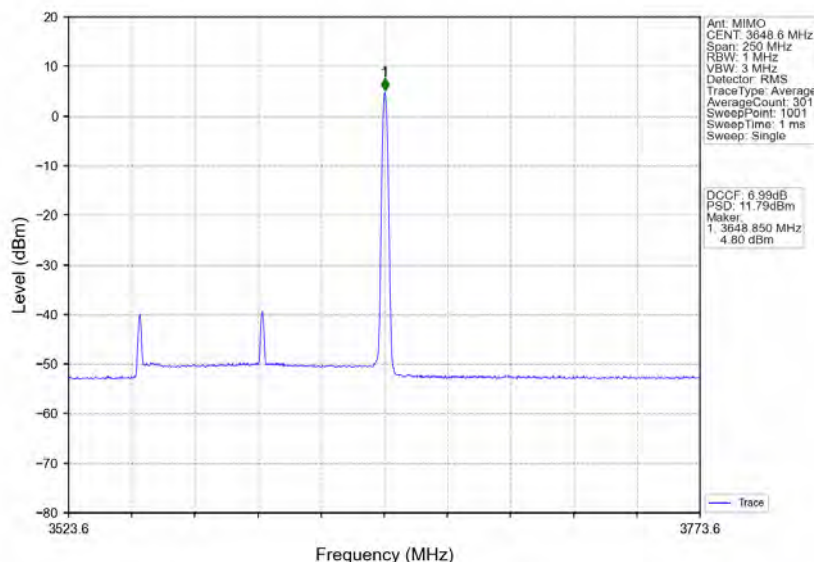
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n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3600MHz_Inner_1RB_Left



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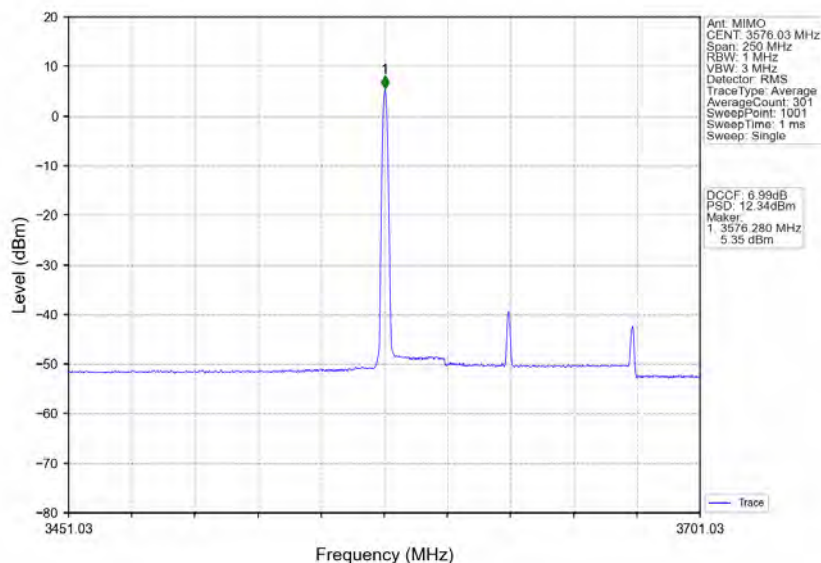
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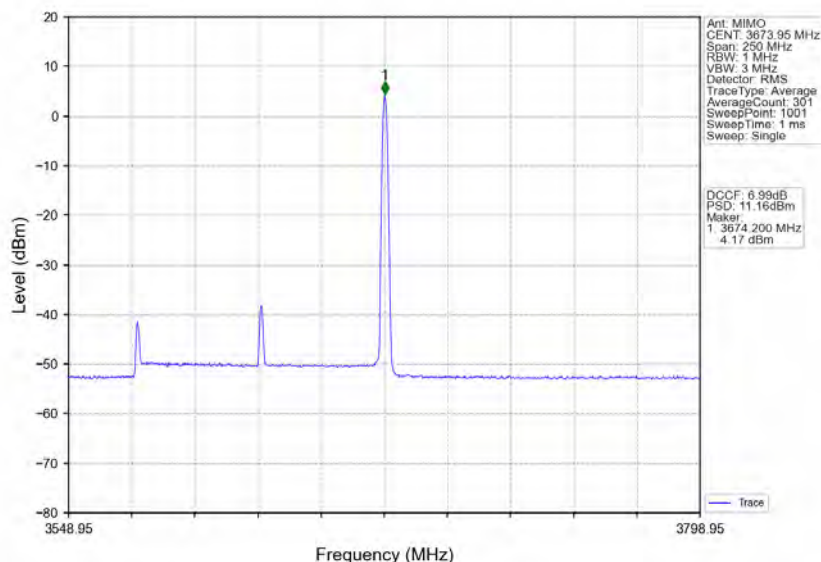
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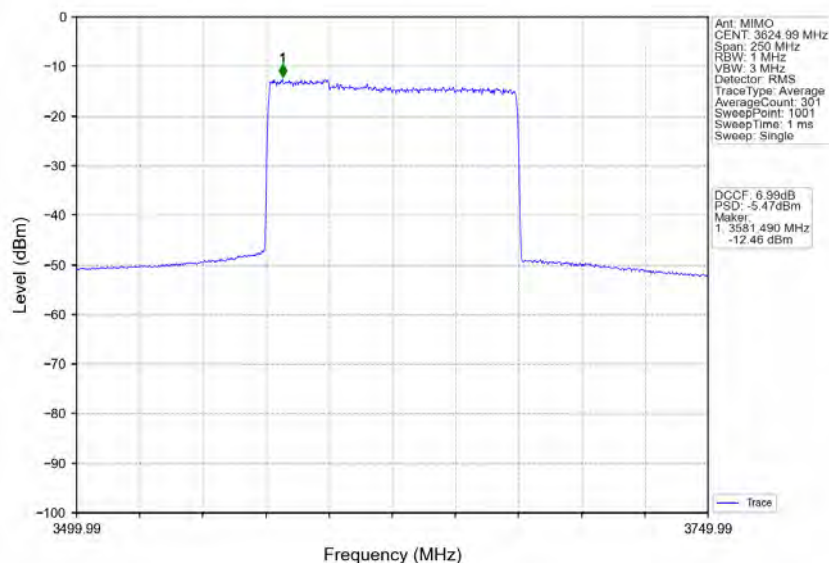
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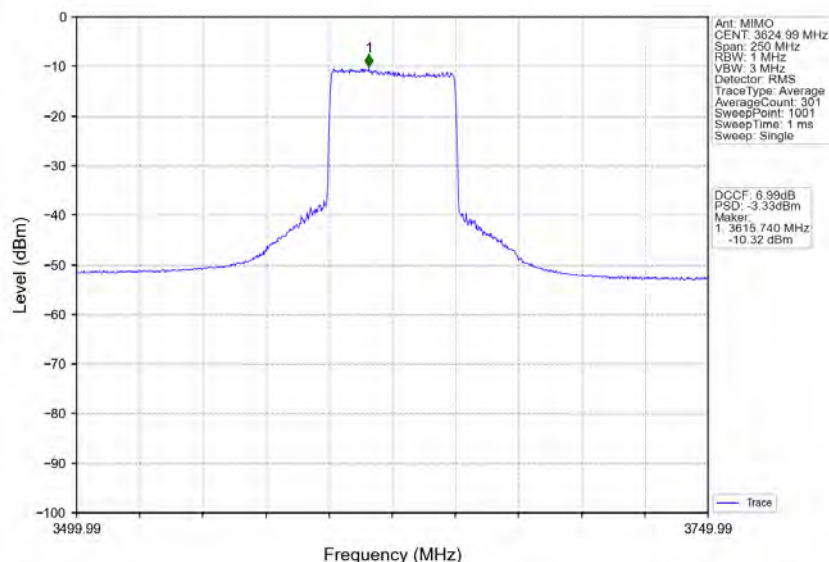
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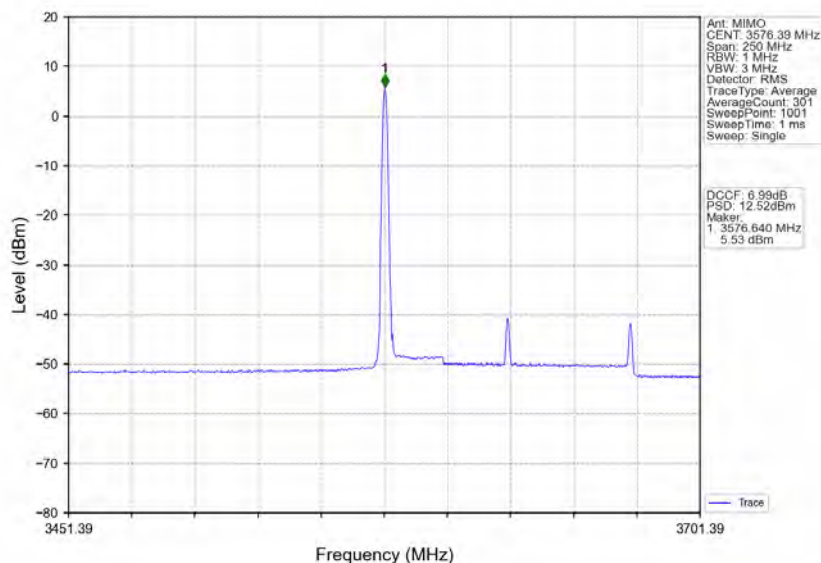
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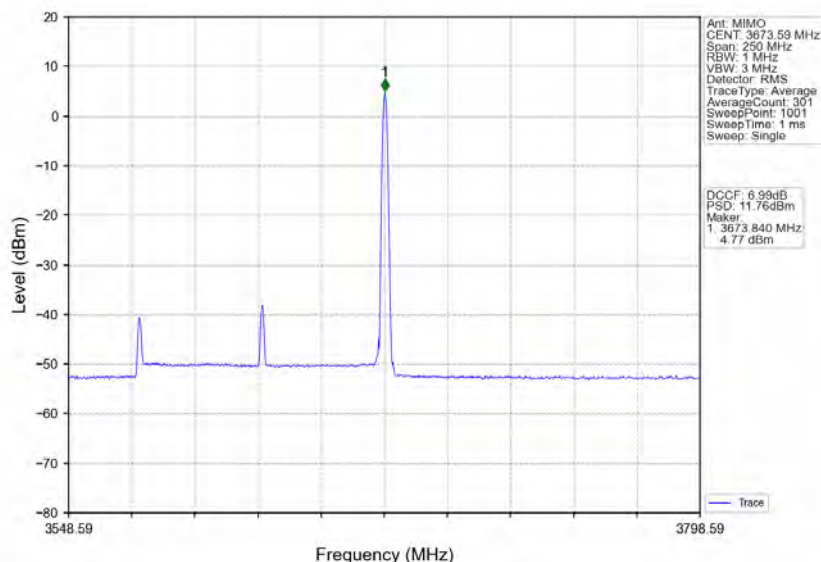
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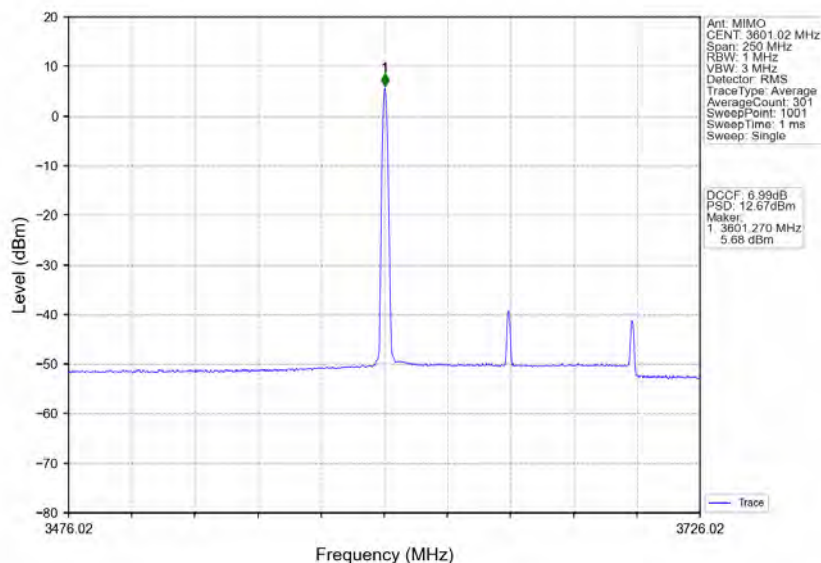
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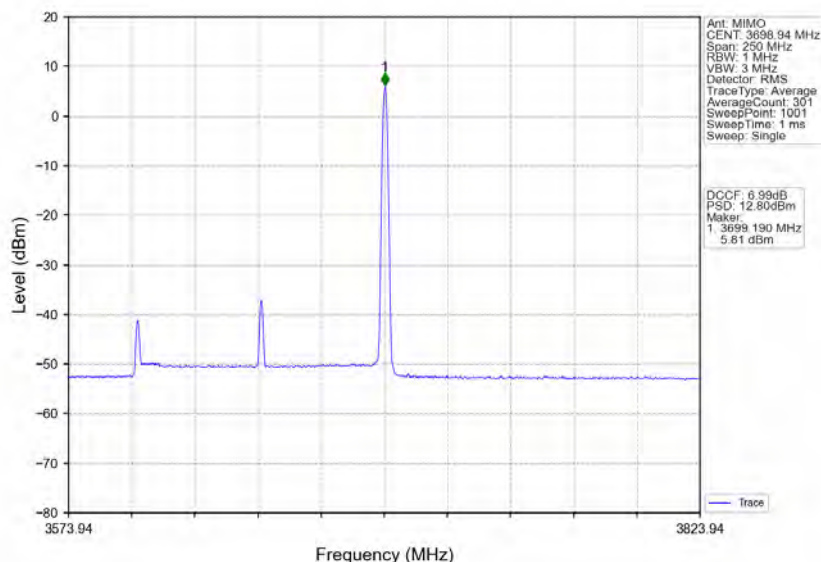
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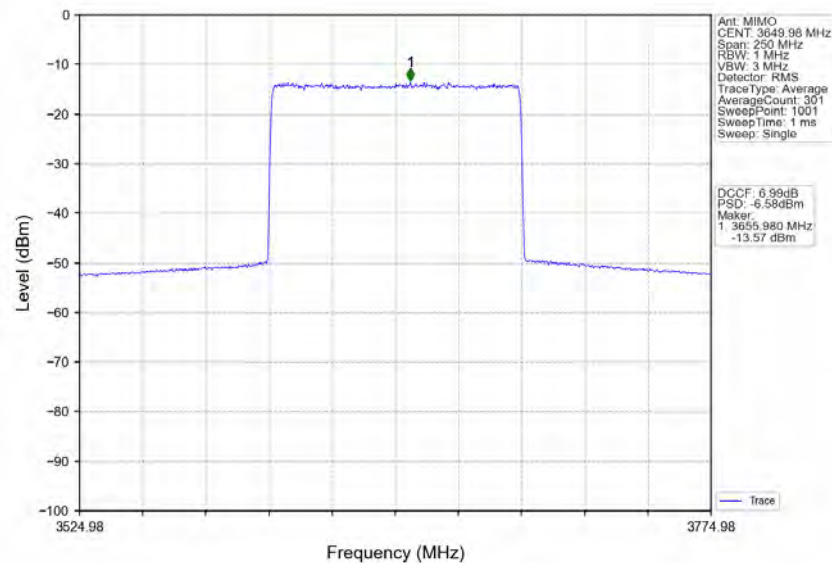
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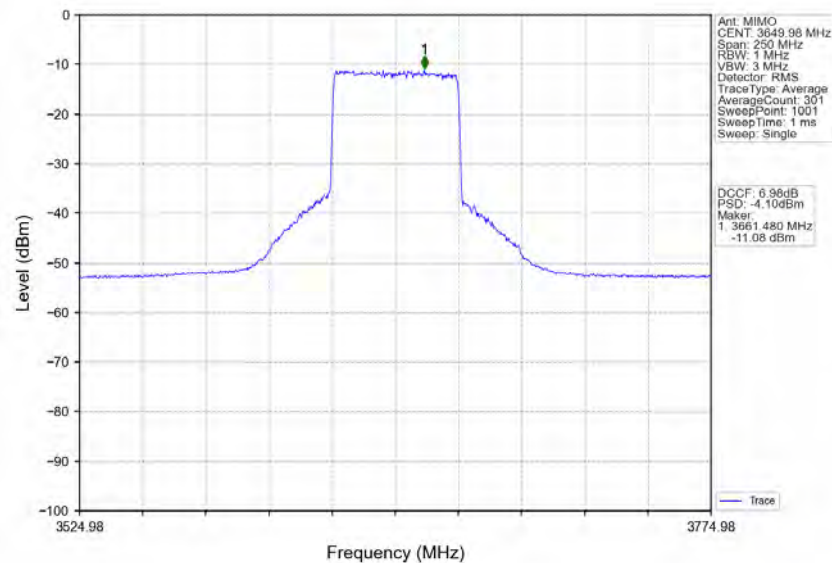
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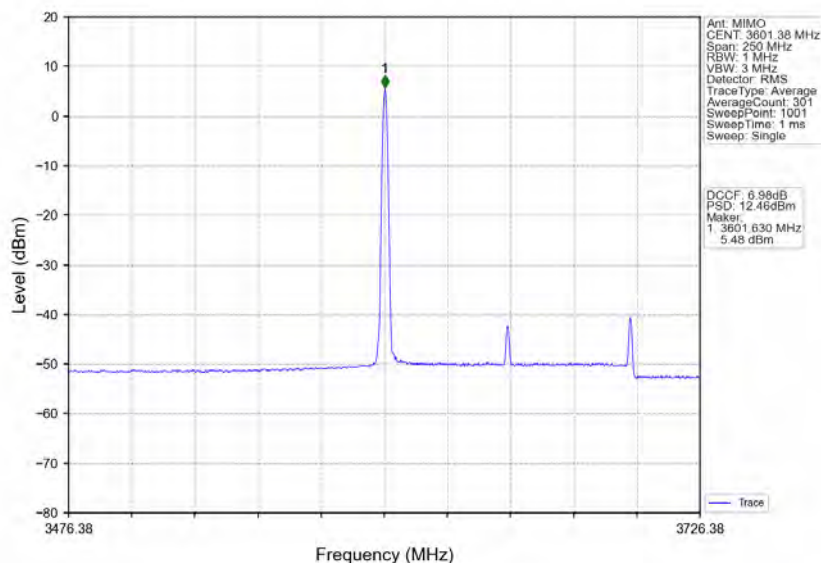
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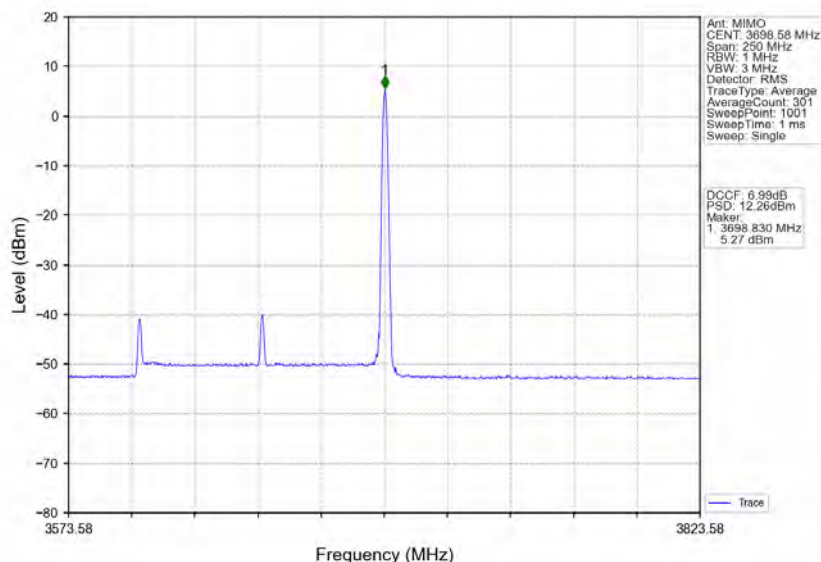
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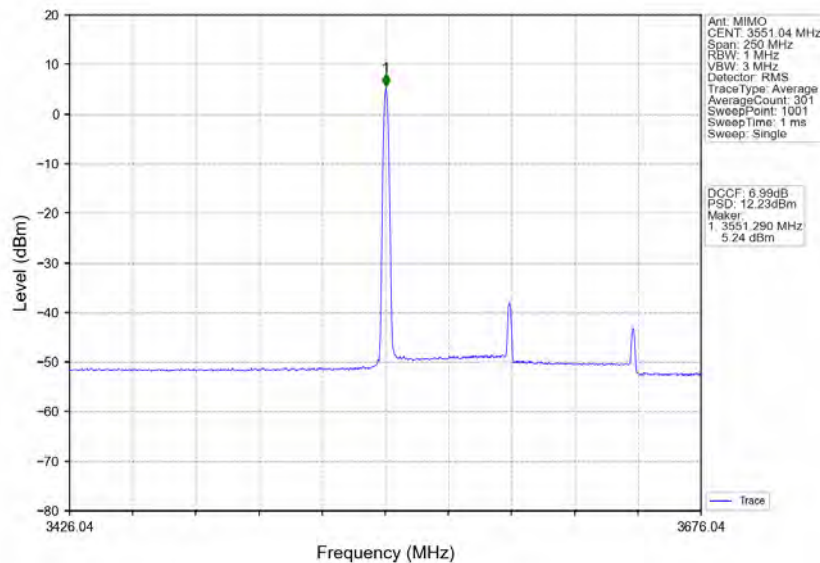
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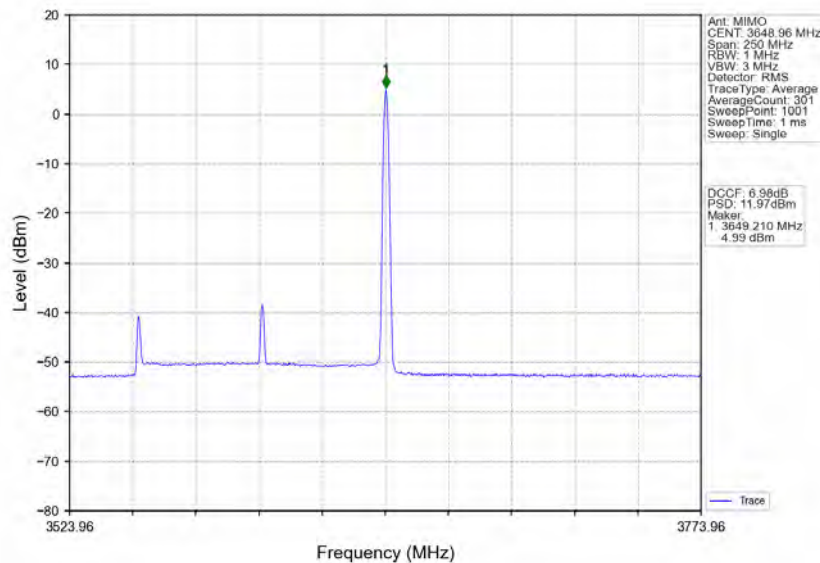
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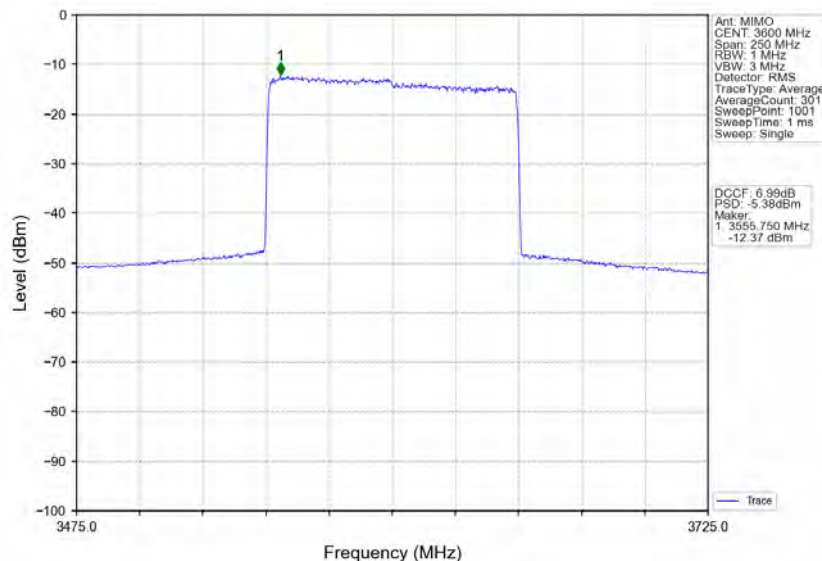
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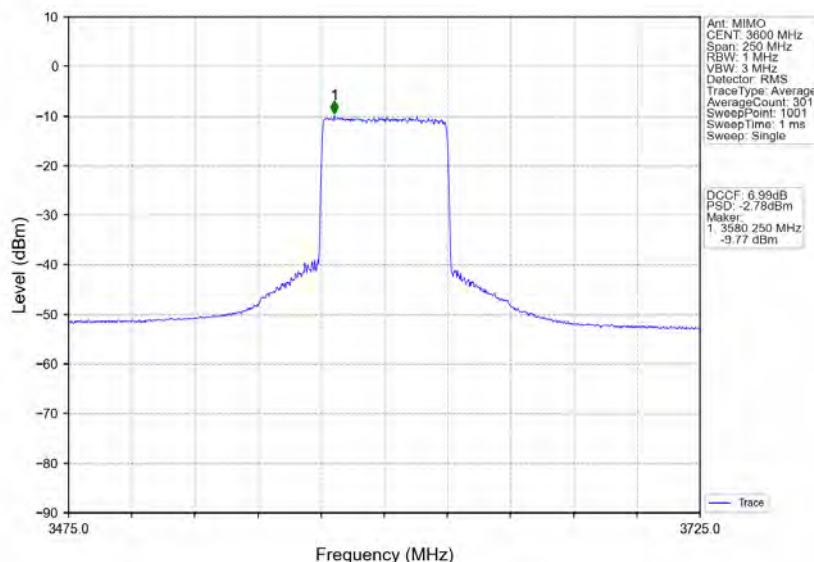
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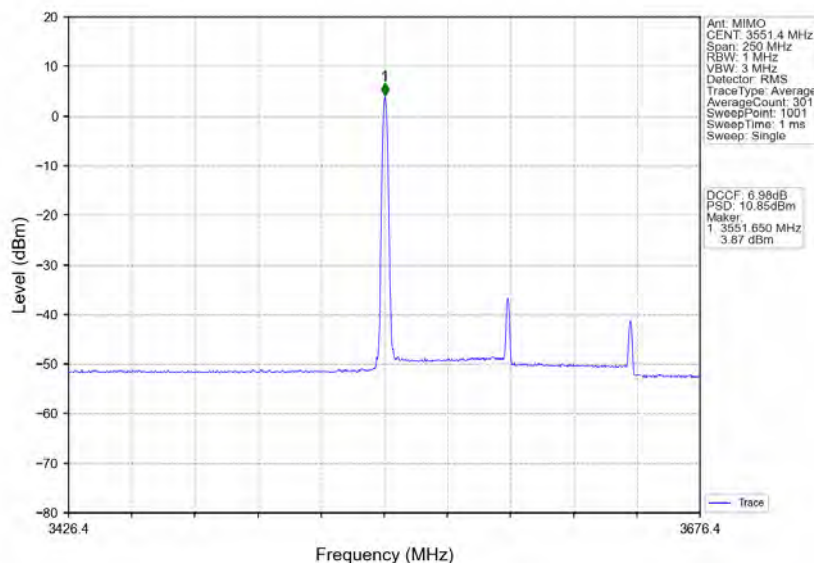
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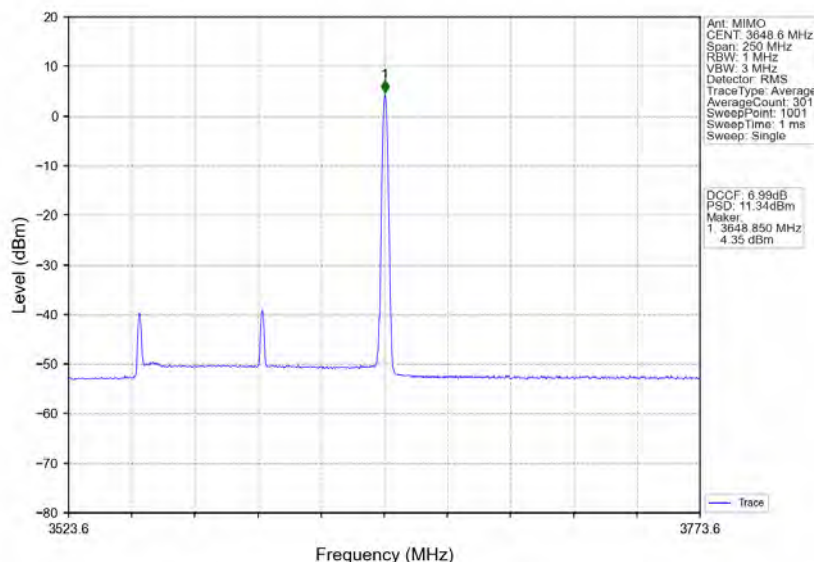
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