

CP-OFDM 64 QAM	3557.52	Edge 1RB Left	9.12	9.44	12.16	14.02	15.24	17.96	<=20	Pass
		Edge 1RB Right	9.68	9.85	12.09	14.58	15.65	17.89	<=20	Pass
		Outer Full	8.13	8.26	2.44	13.03	14.06	8.24	<=20	Pass
		Inner Full	9.64	9.80	5.37	14.54	15.60	11.17	<=20	Pass
		Inner 1RB Left	8.77	9.28	12.51	13.67	15.08	18.31	<=20	Pass
		Inner 1RB Right	8.89	9.73	12.51	13.79	15.53	18.31	<=20	Pass
	3624.99	Edge 1RB Left	8.84	9.45	12.19	13.74	15.25	17.99	<=20	Pass
		Edge 1RB Right	8.75	8.80	10.99	13.65	14.60	16.79	<=20	Pass
		Outer Full	7.64	7.90	1.55	12.54	13.70	7.35	<=20	Pass
		Inner Full	8.86	8.76	4.80	13.76	14.56	10.60	<=20	Pass
		Inner 1RB Left	8.97	9.01	12.20	13.87	14.81	18.00	<=20	Pass
		Inner 1RB Right	8.78	8.38	12.21	13.68	14.18	18.01	<=20	Pass
	3692.49	Edge 1RB Left	7.93	8.77	11.28	12.83	14.57	17.08	<=20	Pass
		Edge 1RB Right	9.15	8.93	12.27	14.05	14.73	18.07	<=20	Pass
		Outer Full	7.33	8.06	1.61	12.23	13.86	7.41	<=20	Pass
		Inner Full	8.07	8.70	4.61	12.97	14.50	10.41	<=20	Pass
		Inner 1RB Left	7.19	9.12	11.72	12.09	14.92	17.52	<=20	Pass
		Inner 1RB Right	8.75	9.02	12.12	13.65	14.82	17.92	<=20	Pass
CP-OFDM 256 QAM	3557.52	Edge 1RB Left	9.21	9.29	13.51	14.11	15.09	19.31	<=20	Pass
		Edge 1RB Right	9.37	9.95	13.02	14.27	15.75	18.82	<=20	Pass
		Outer Full	8.44	8.11	2.00	13.34	13.91	7.80	<=20	Pass
		Inner Full	9.21	9.54	5.44	14.11	15.34	11.24	<=20	Pass
		Inner 1RB Left	9.55	9.68	13.35	14.45	15.48	19.15	<=20	Pass
		Inner 1RB Right	10.17	9.27	12.95	15.07	15.07	18.75	<=20	Pass
	3624.99	Edge 1RB Left	9.03	9.46	12.98	13.93	15.26	18.78	<=20	Pass
		Edge 1RB Right	8.10	8.86	11.97	13.00	14.66	17.77	<=20	Pass
		Outer Full	7.38	7.09	2.77	12.28	12.89	8.57	<=20	Pass
		Inner Full	9.10	9.36	4.81	14.00	15.16	10.61	<=20	Pass
		Inner 1RB Left	9.41	8.93	11.90	14.31	14.73	17.70	<=20	Pass
		Inner 1RB Right	8.08	9.30	12.45	12.98	15.10	18.25	<=20	Pass
	3692.49	Edge 1RB Left	8.53	9.16	12.85	13.43	14.96	18.65	<=20	Pass
		Edge 1RB Right	9.20	9.59	13.15	14.10	15.39	18.95	<=20	Pass
		Outer Full	7.44	7.79	1.86	12.34	13.59	7.66	<=20	Pass
		Inner Full	8.59	9.32	4.52	13.49	15.12	10.32	<=20	Pass
		Inner 1RB Left	8.34	9.49	12.23	13.24	15.29	18.03	<=20	Pass
		Inner 1RB Right	8.67	9.63	12.52	13.57	15.43	18.32	<=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



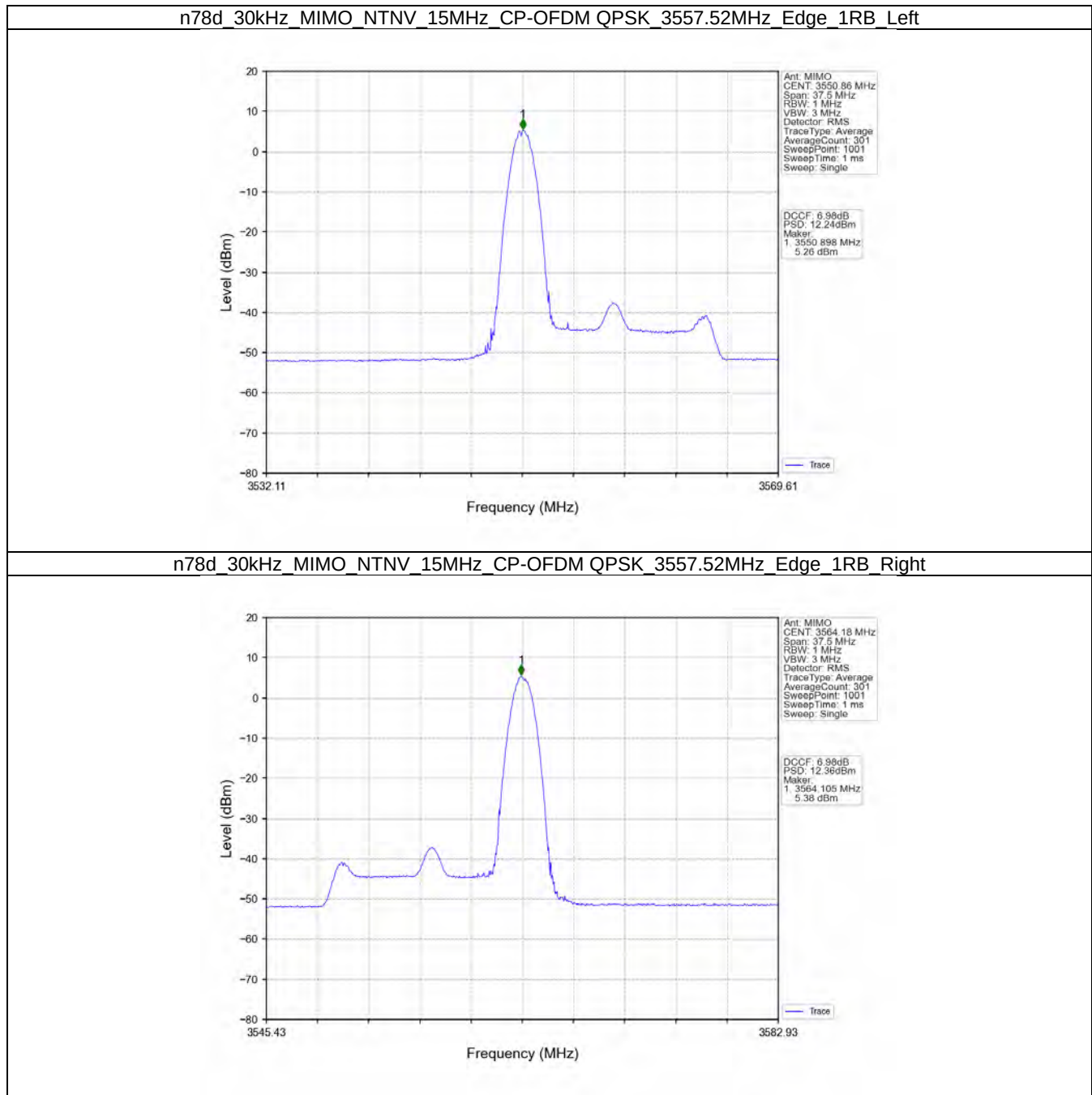
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2.6.2 Test Graph



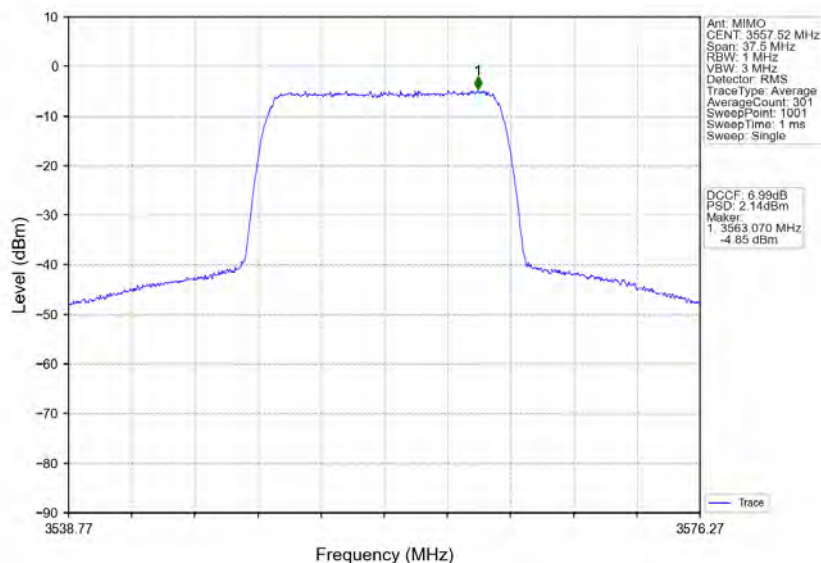
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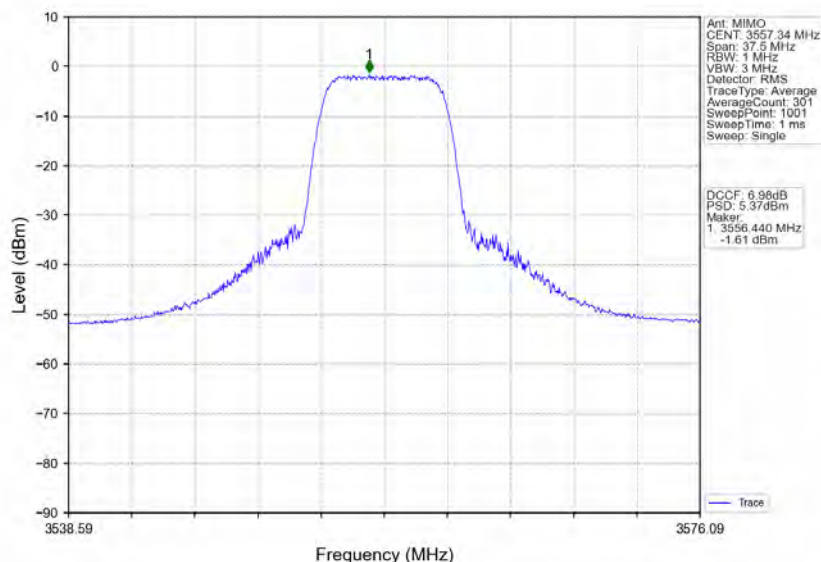
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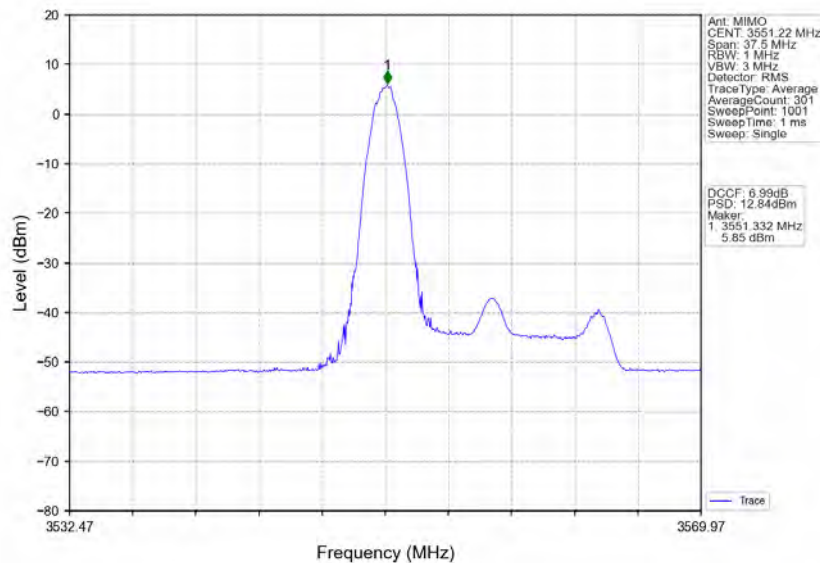
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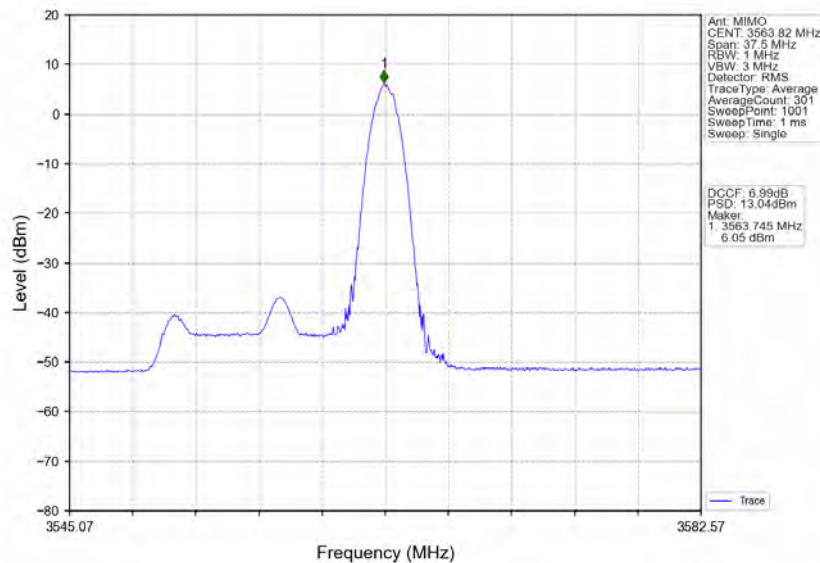
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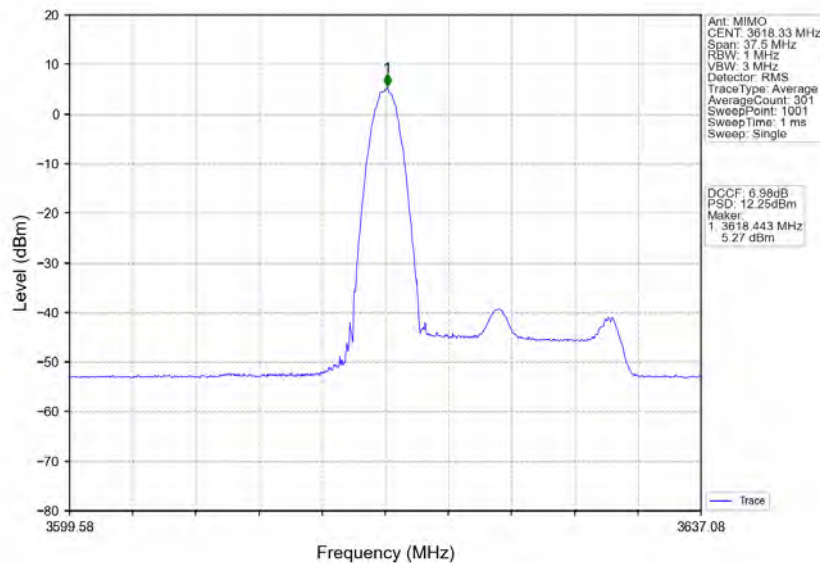
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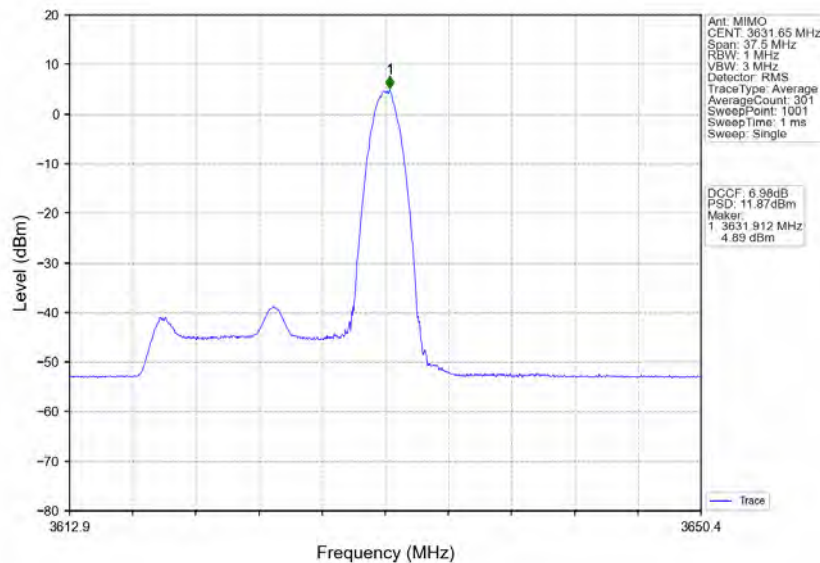
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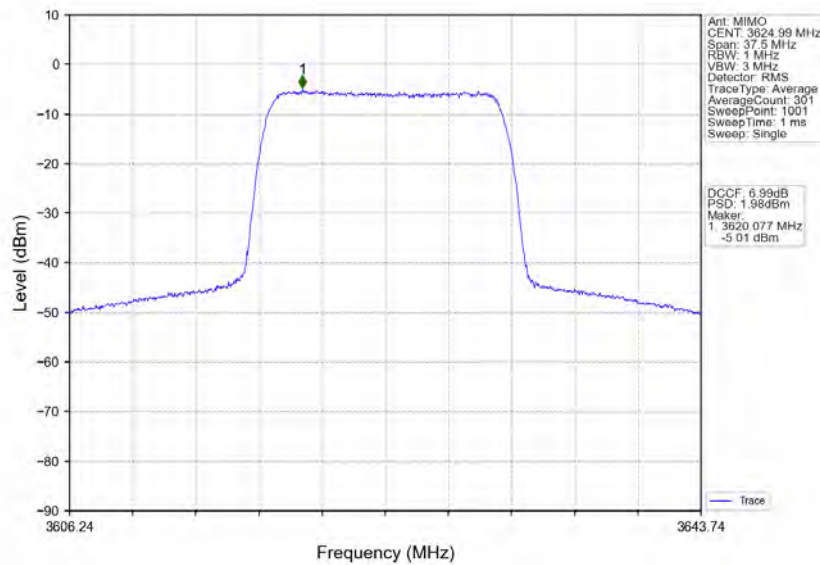
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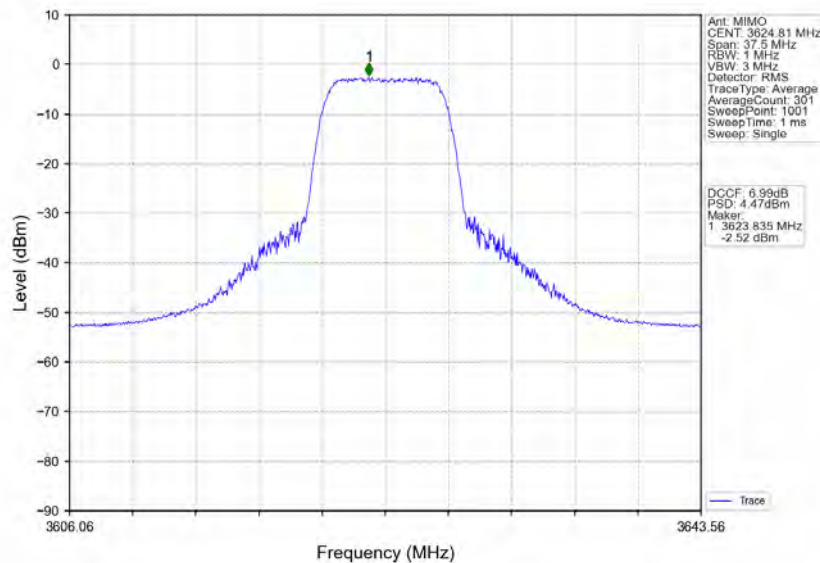
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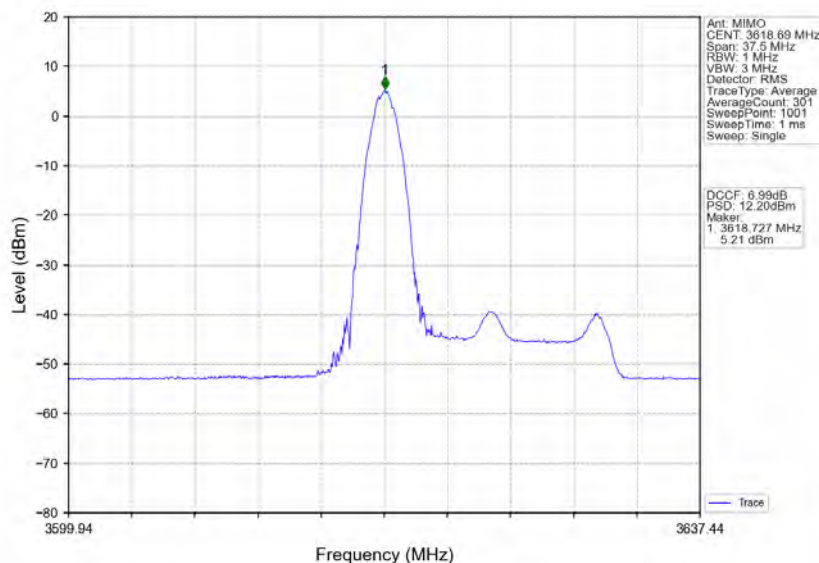
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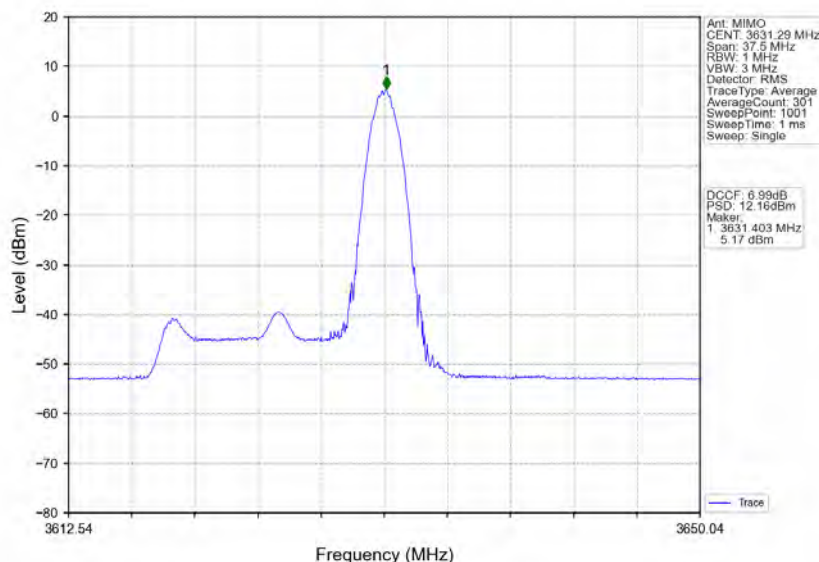
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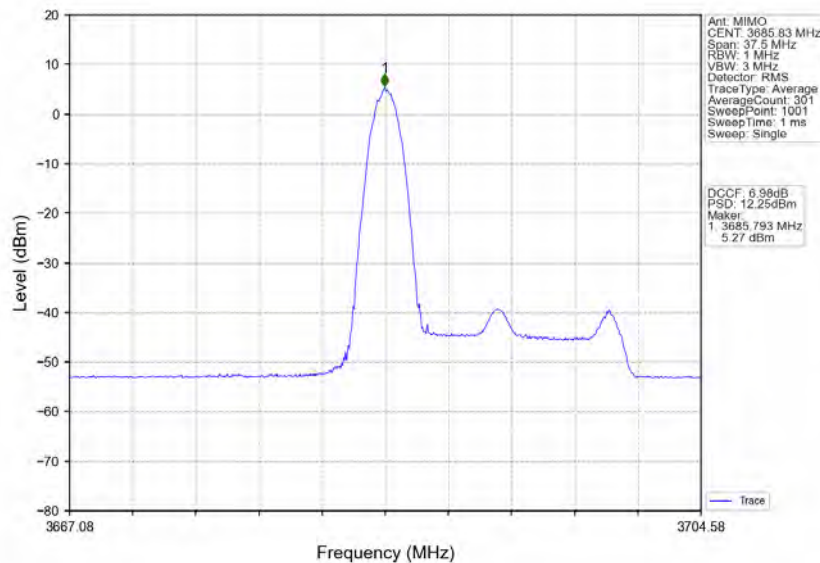
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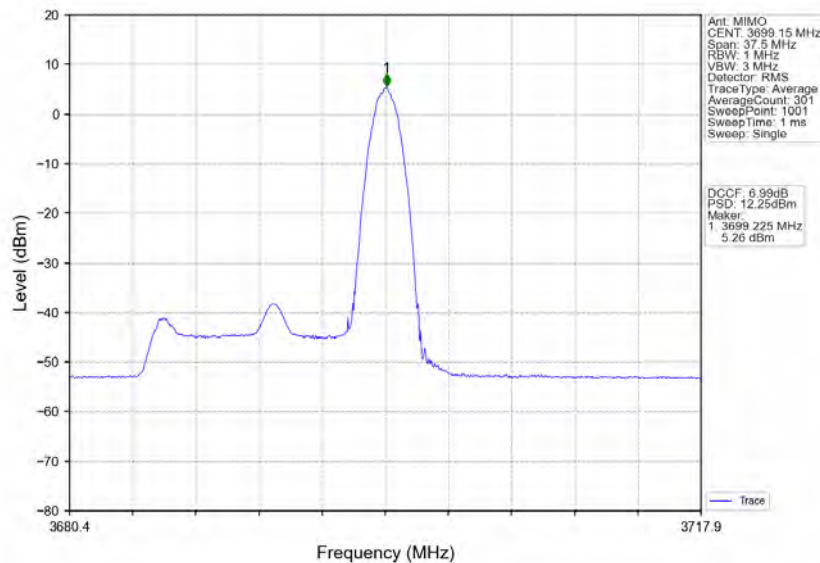
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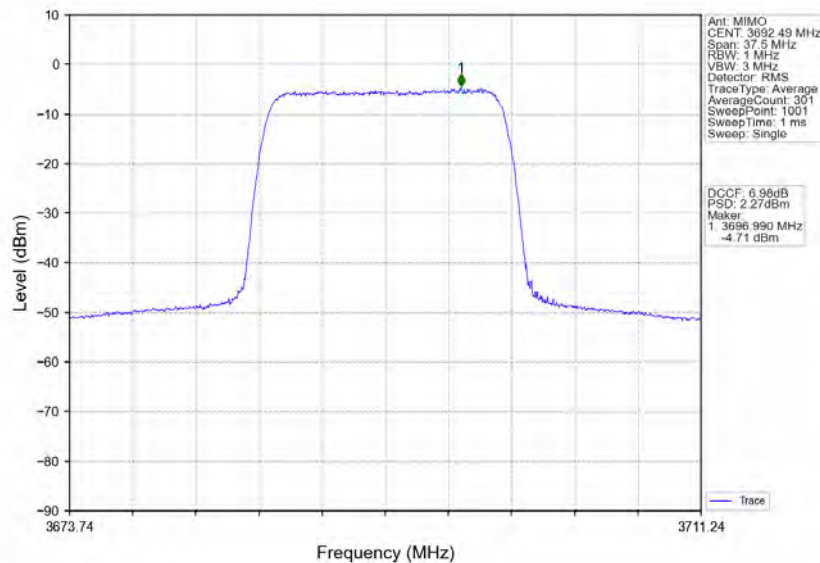
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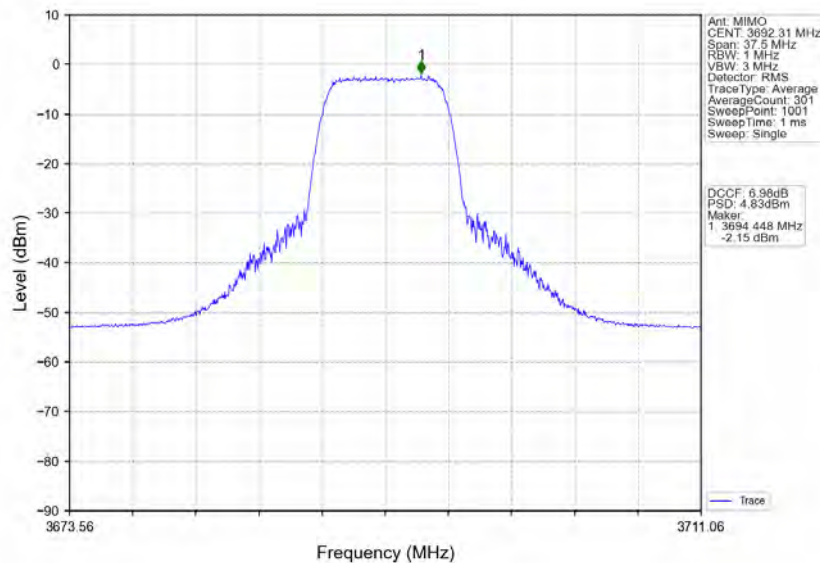
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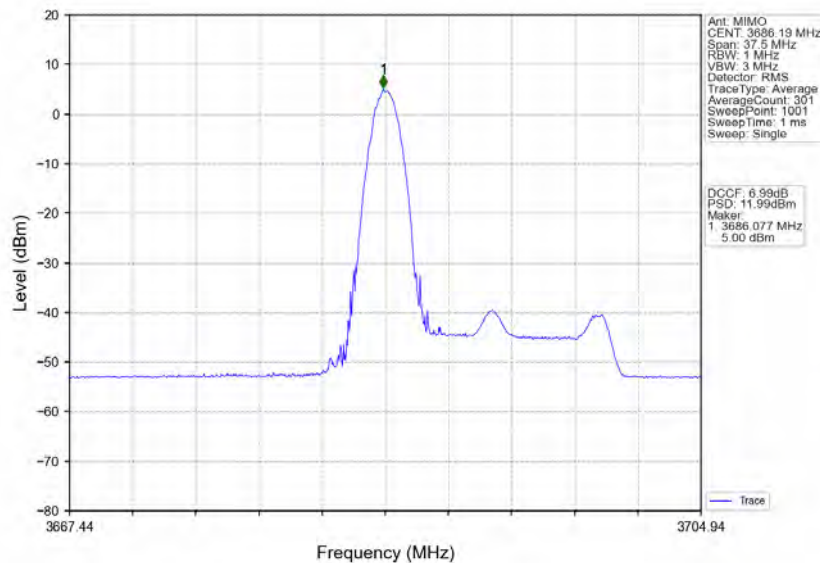
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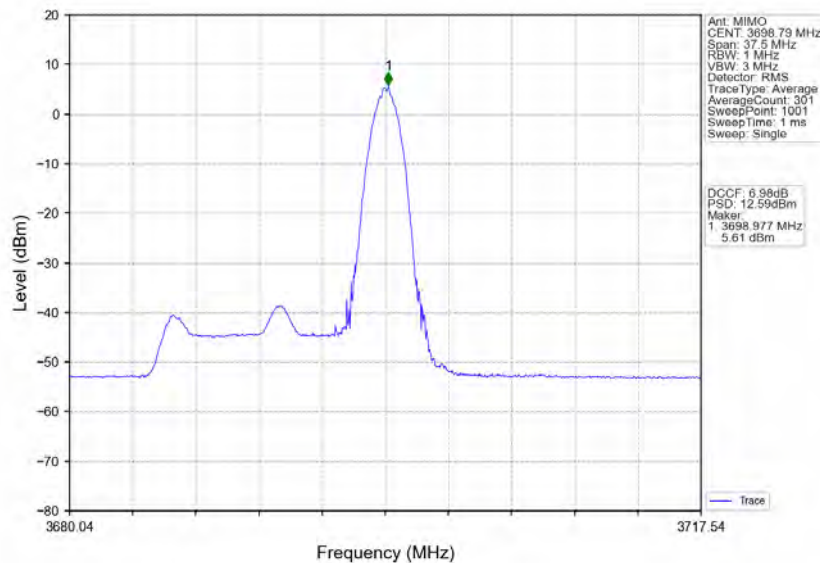
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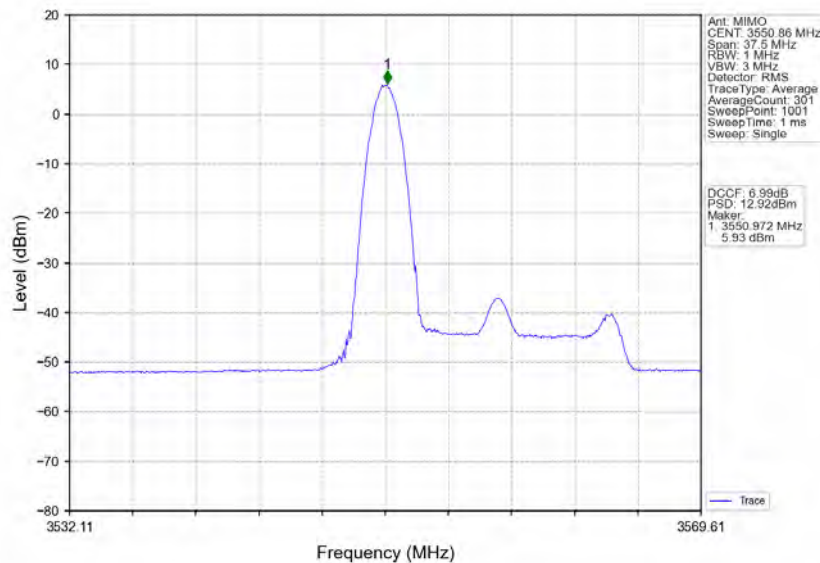
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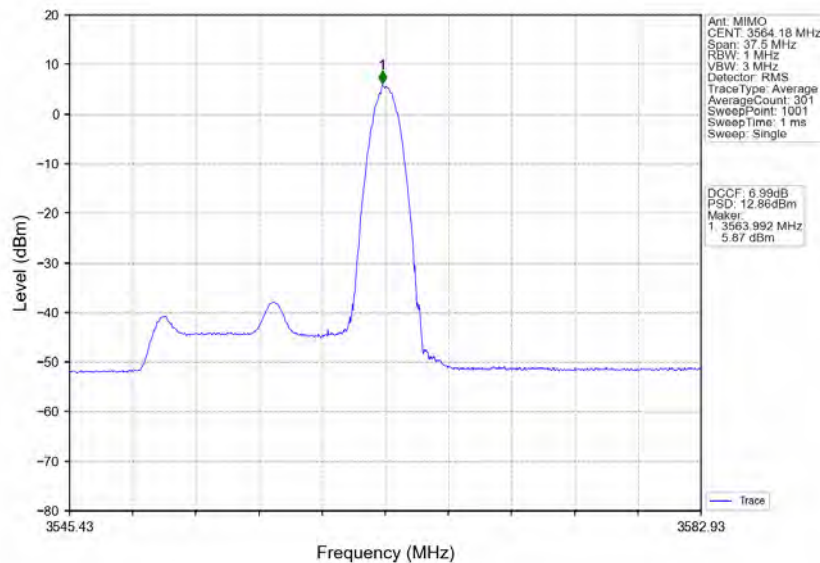
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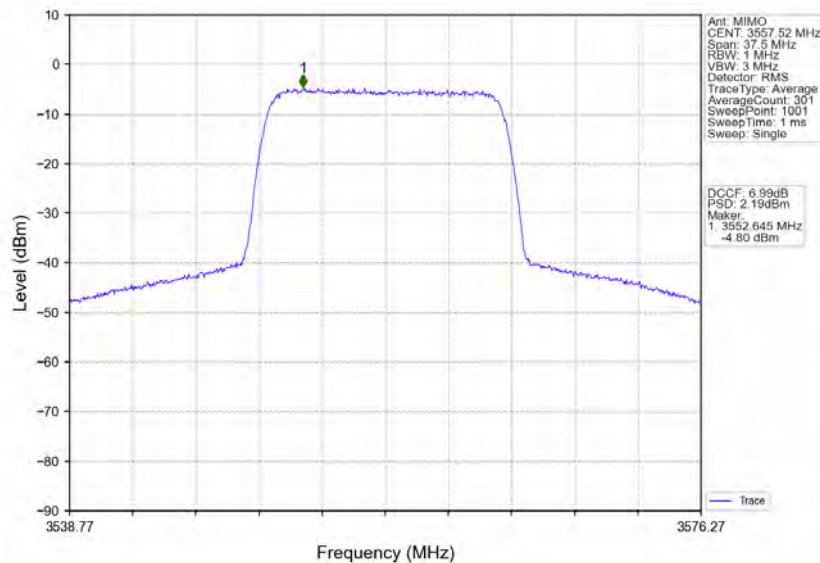
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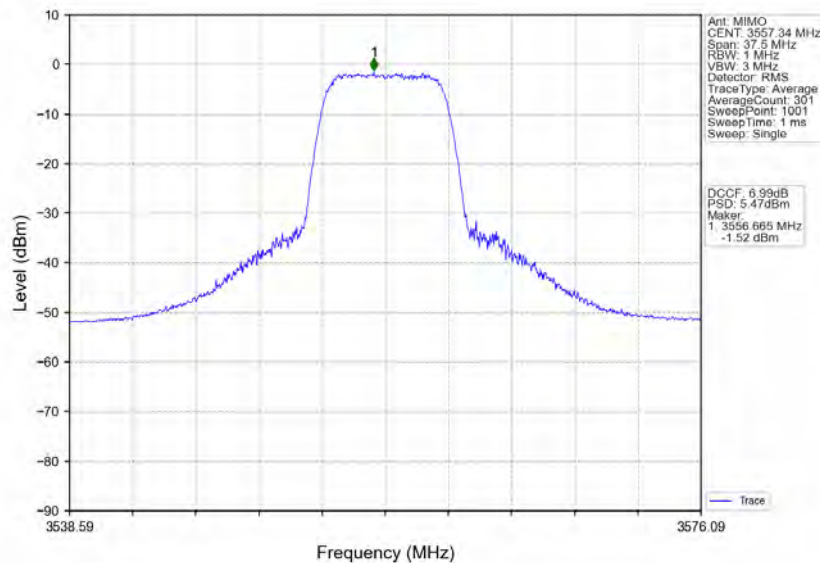
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_16_QAM_3557.52MHz_Outer_Full



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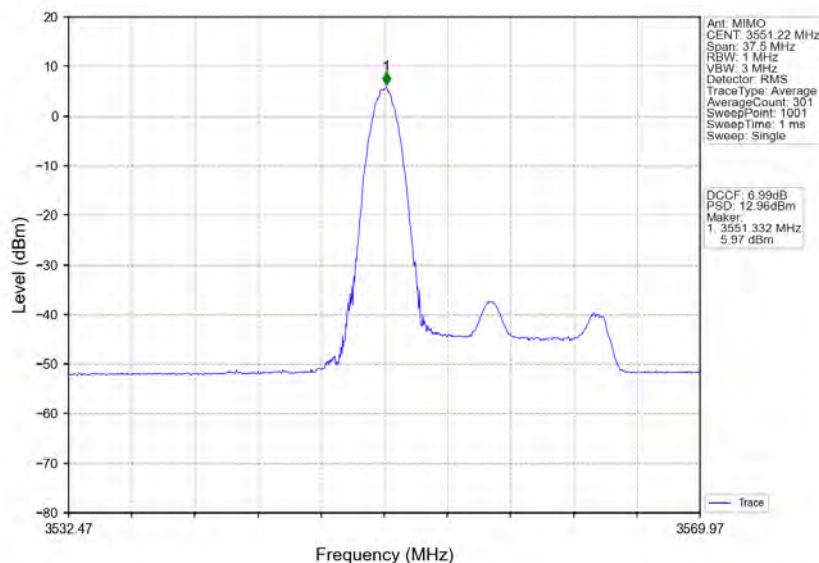
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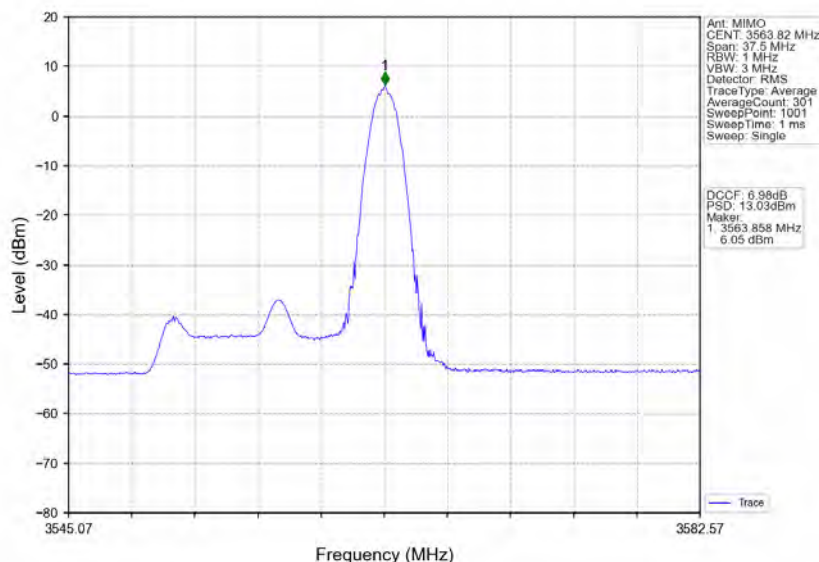
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM 16 QAM 3557.52MHz Inner 1RB Left



n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM 16 QAM 3557.52MHz Inner 1RB Right



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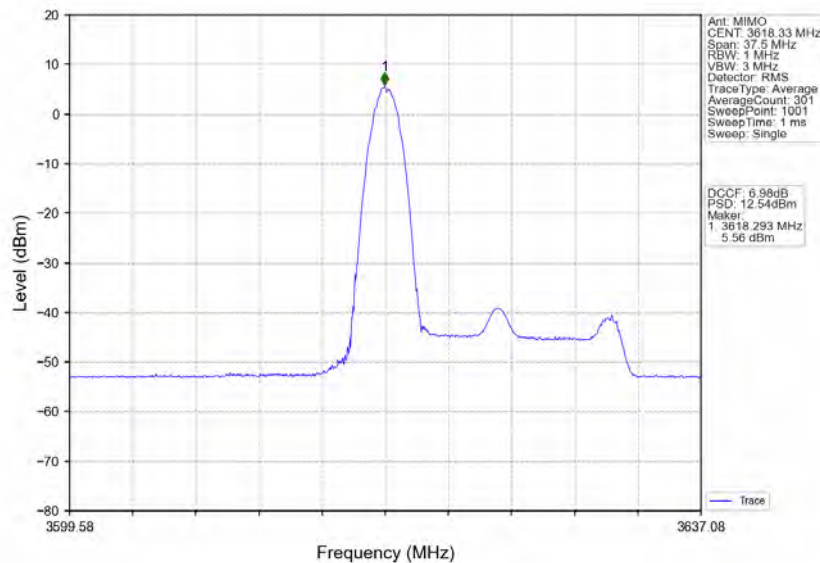
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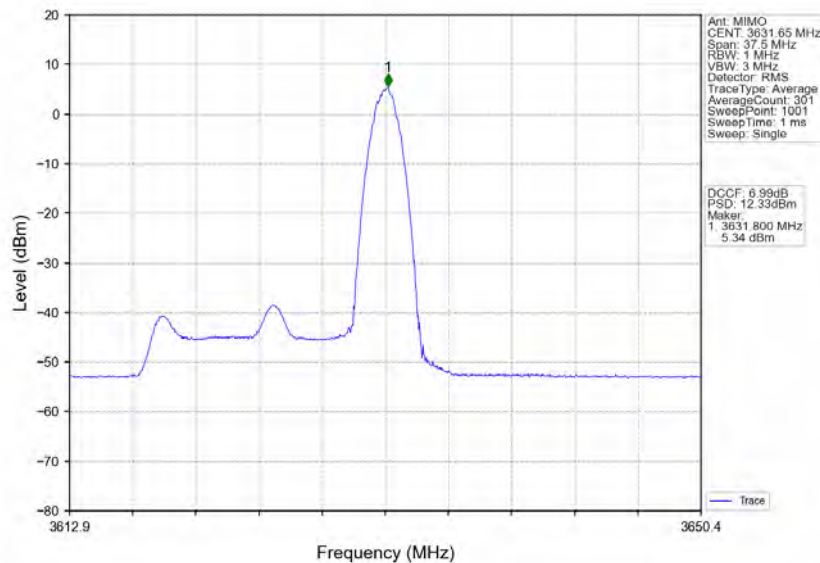
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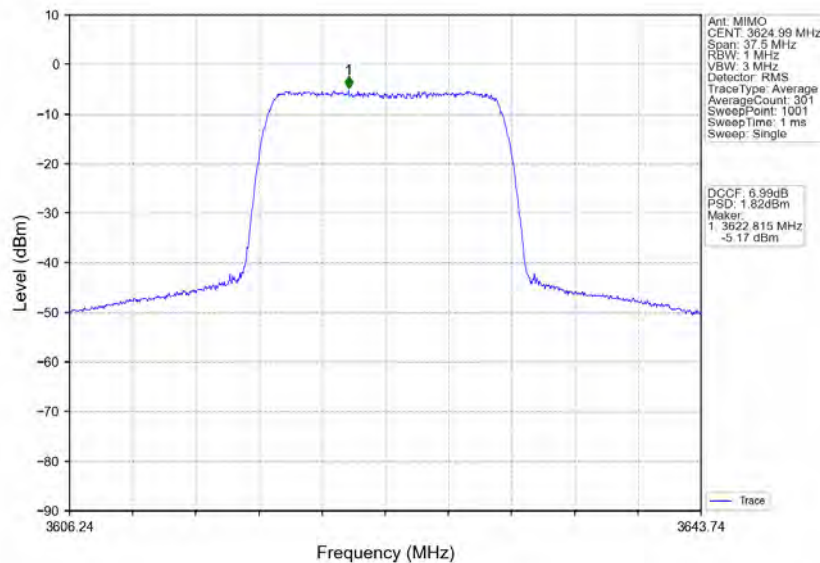
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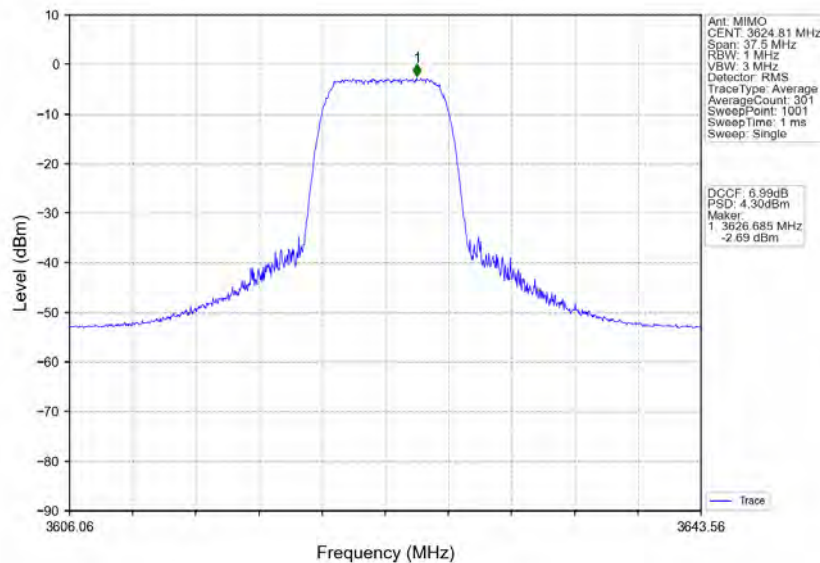
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_16_QAM_3624.99MHz_Outer_Full



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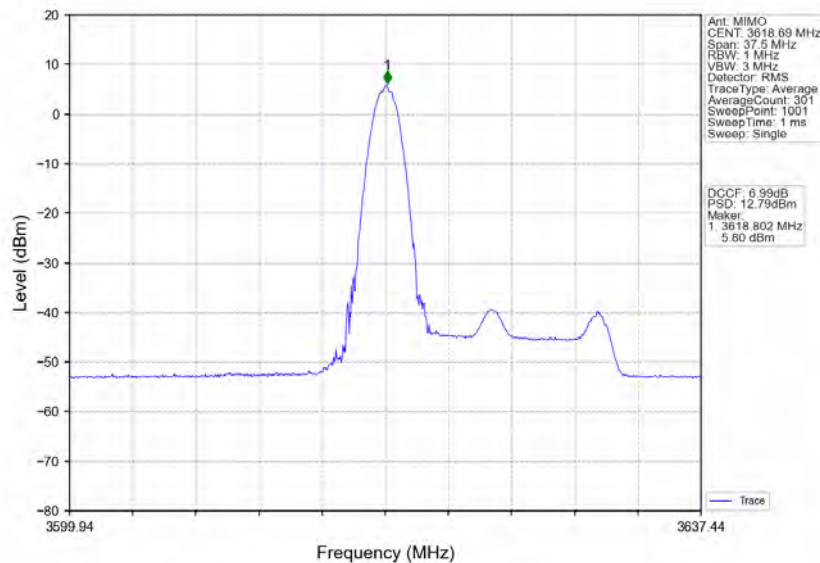
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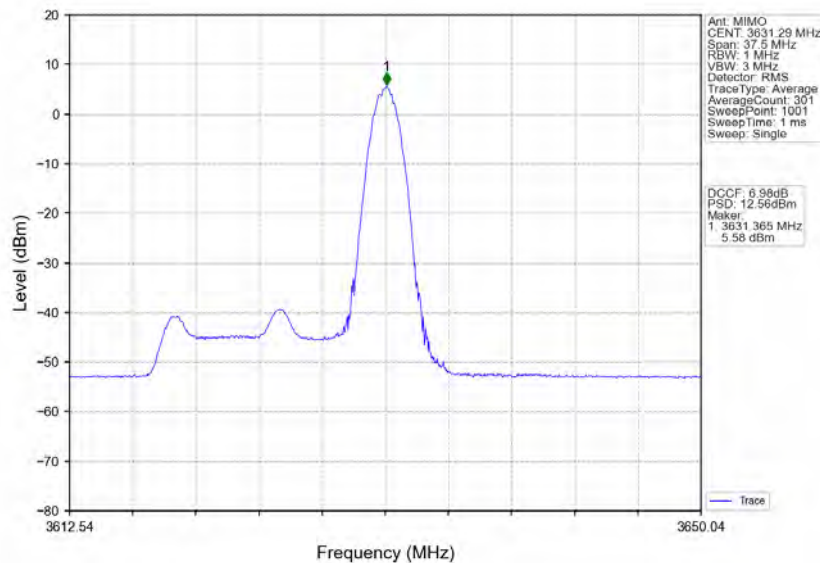
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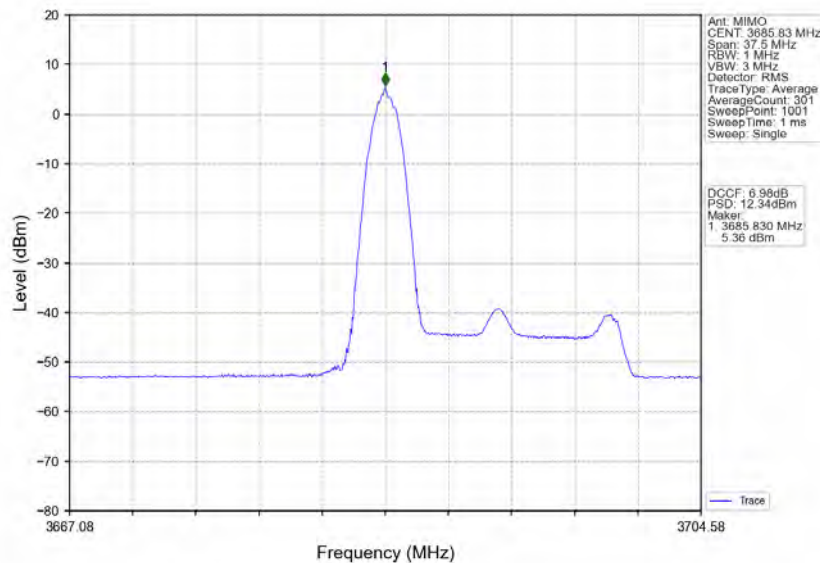
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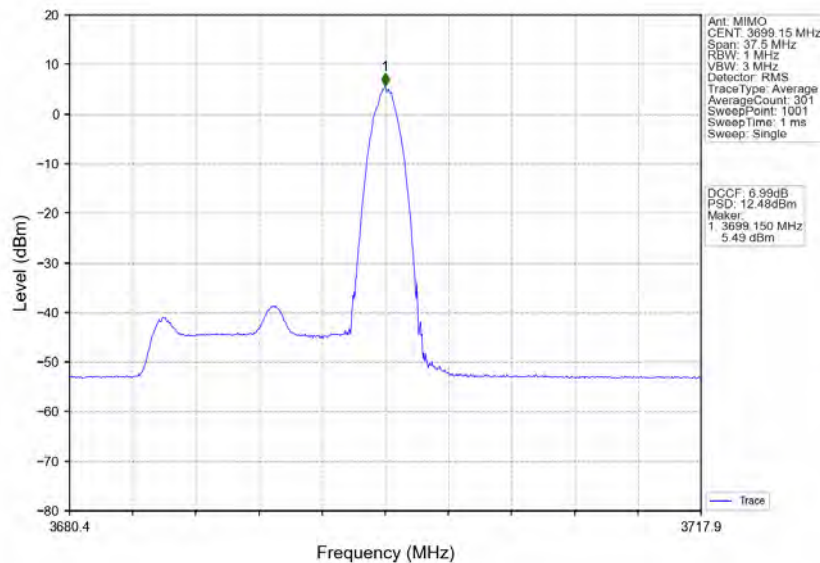
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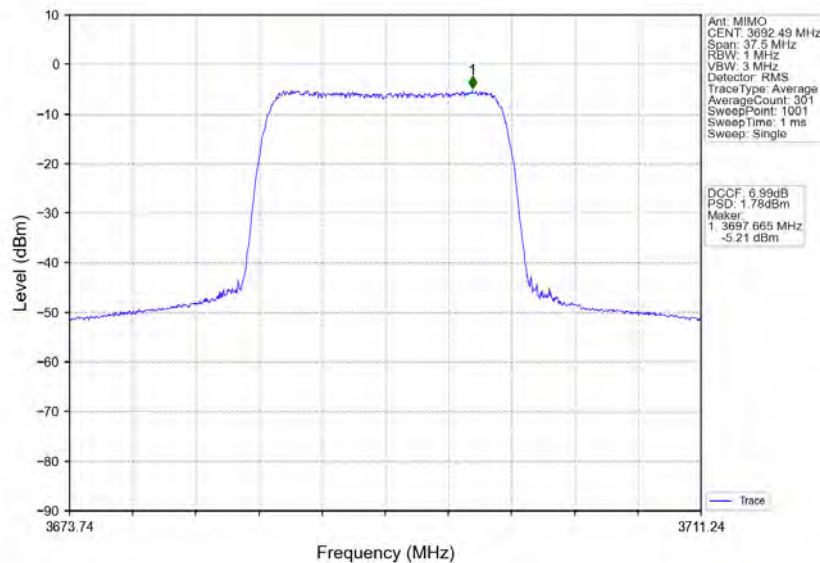
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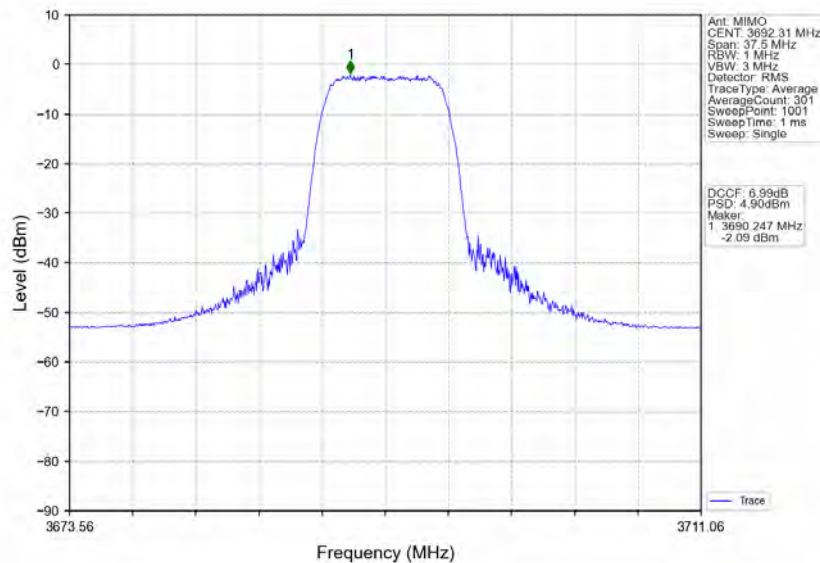
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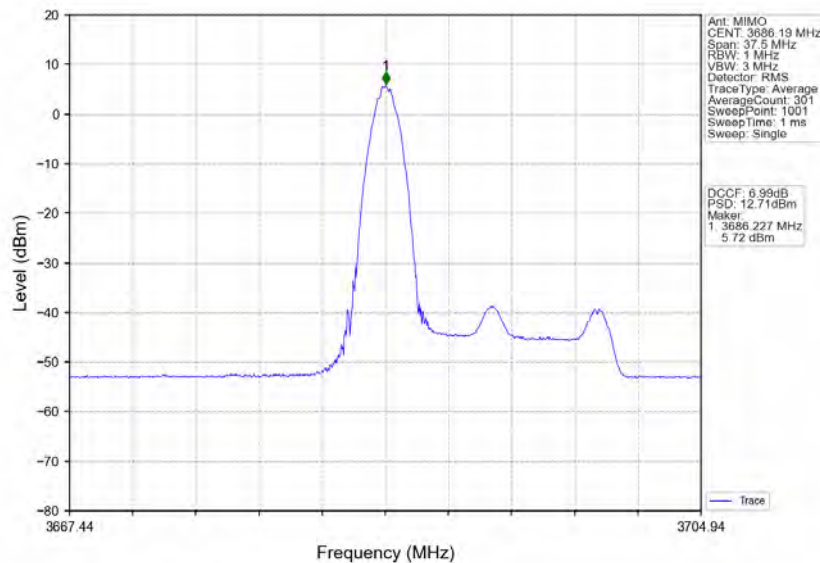
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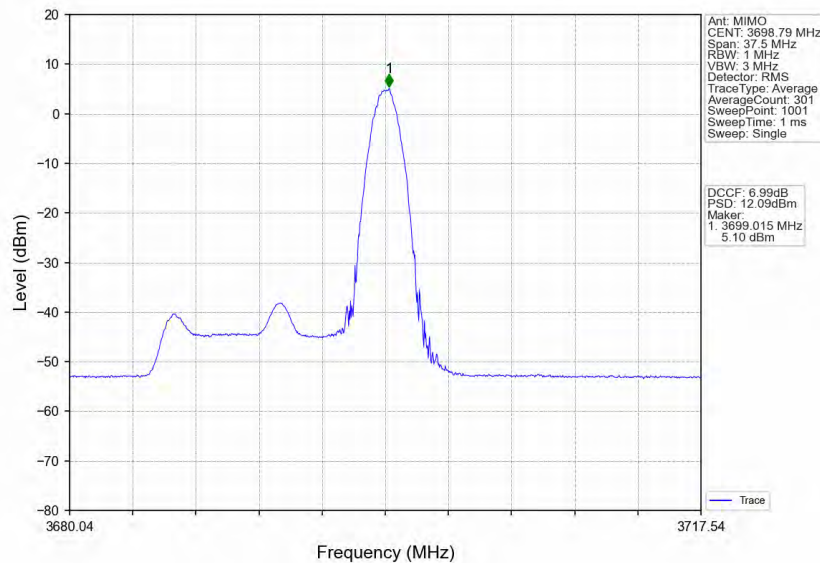
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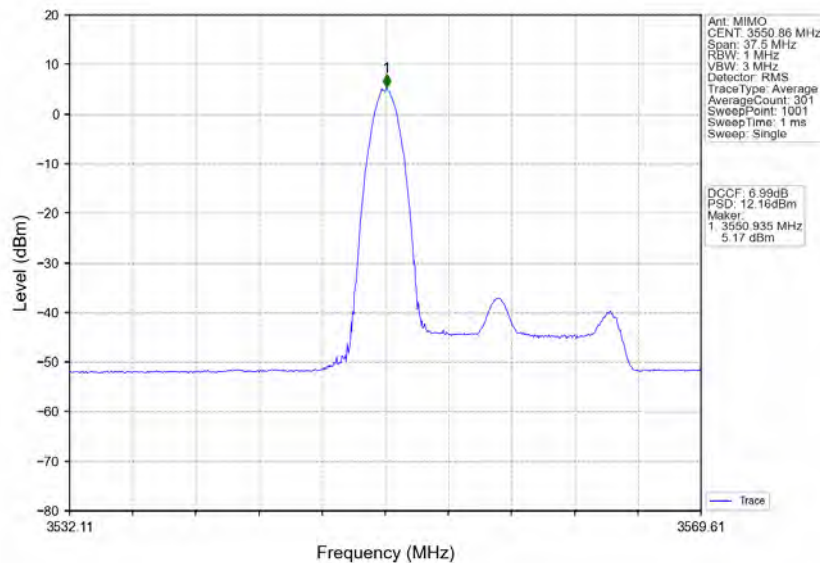
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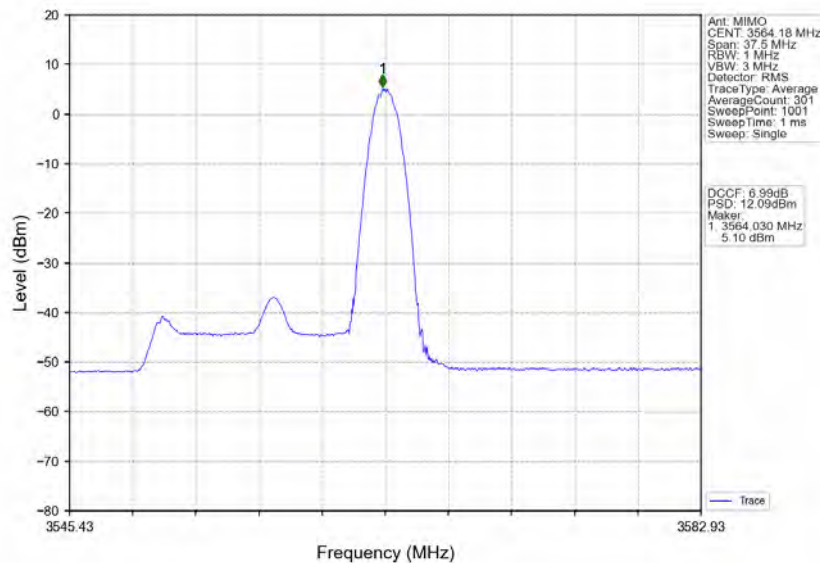
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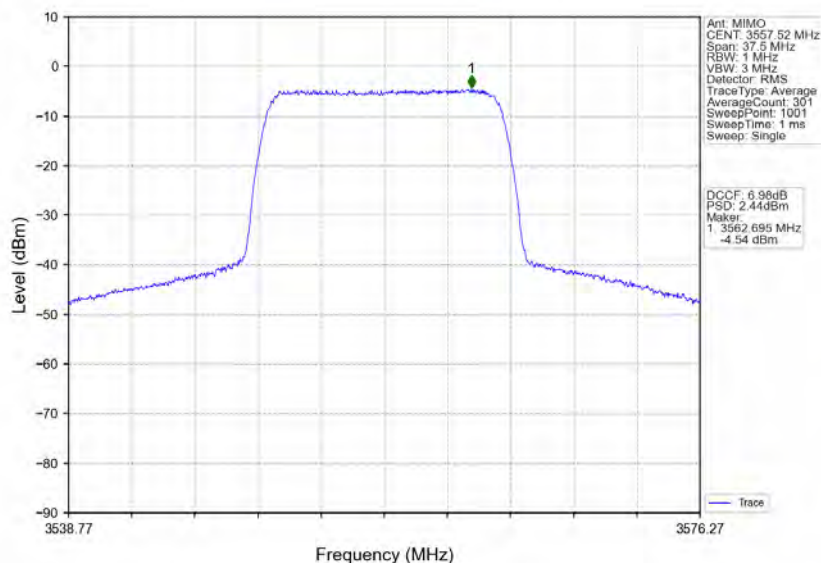
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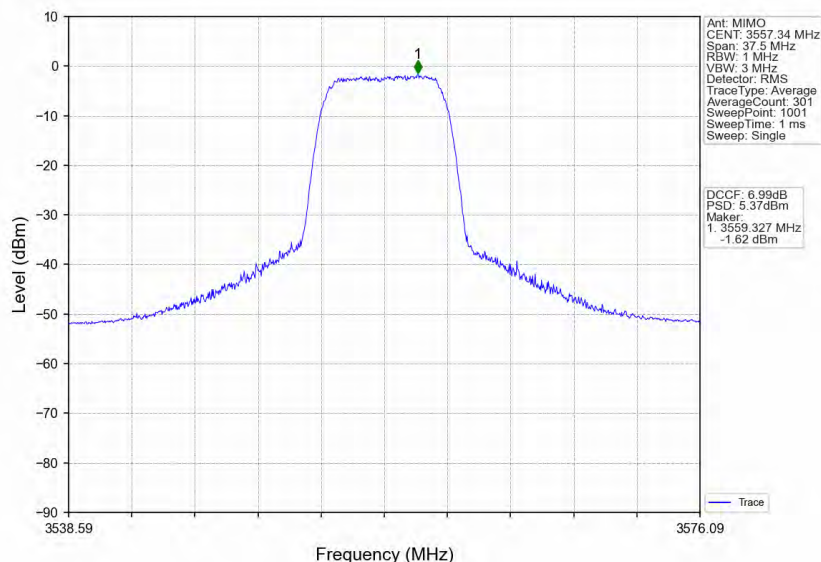
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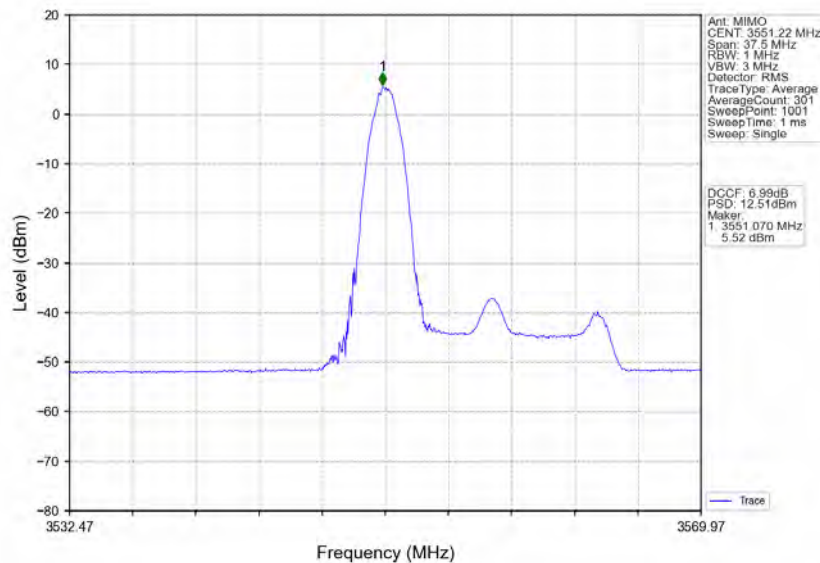
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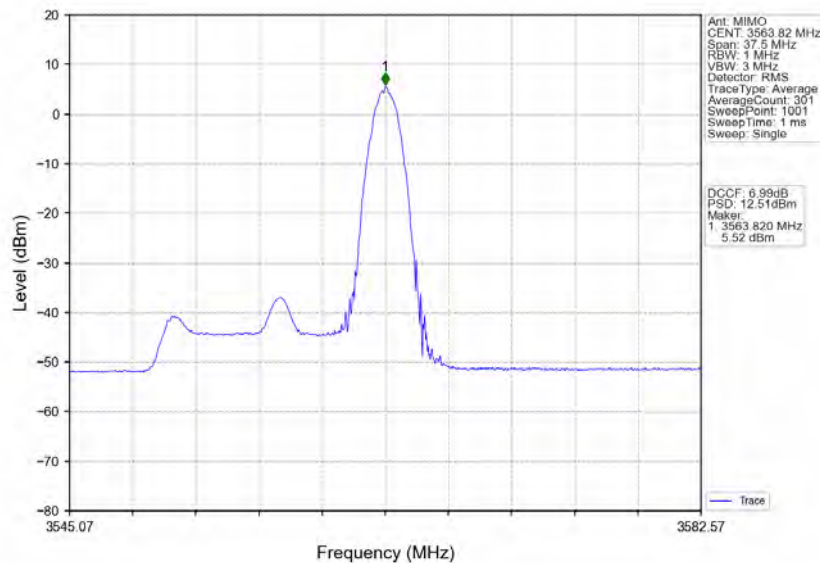
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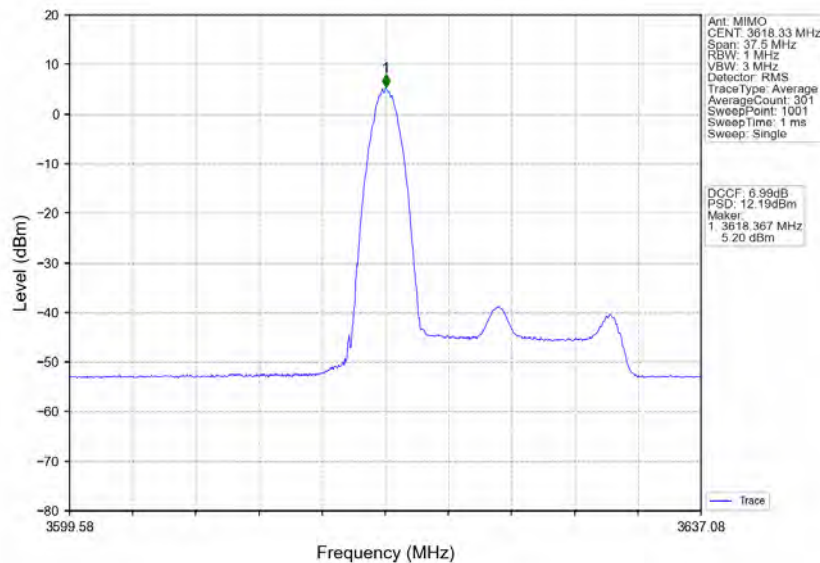
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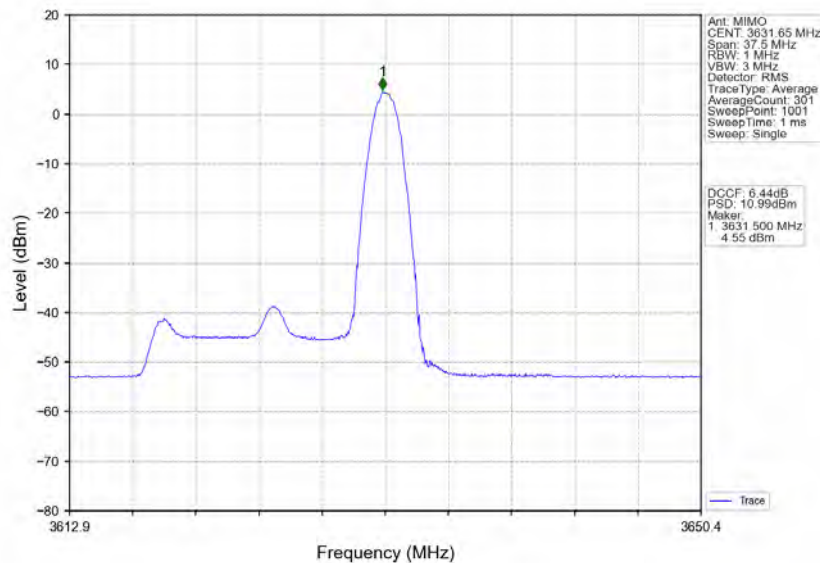
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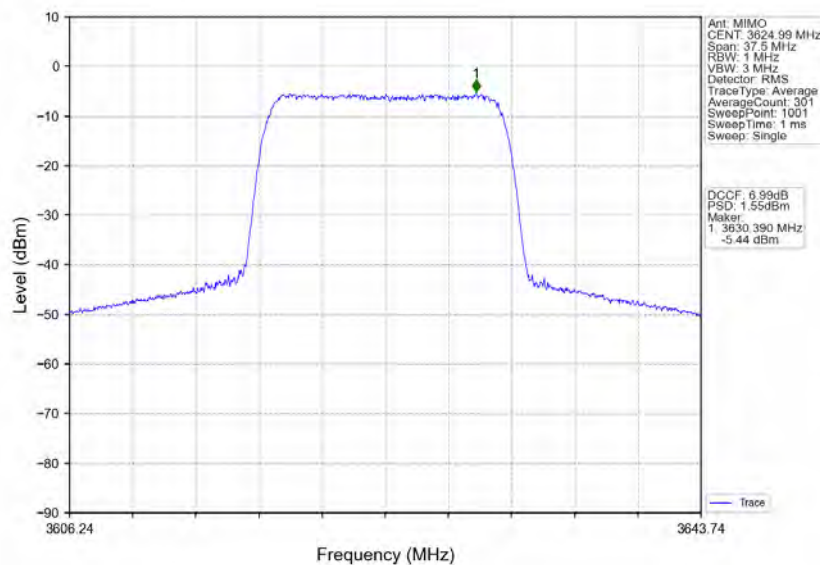
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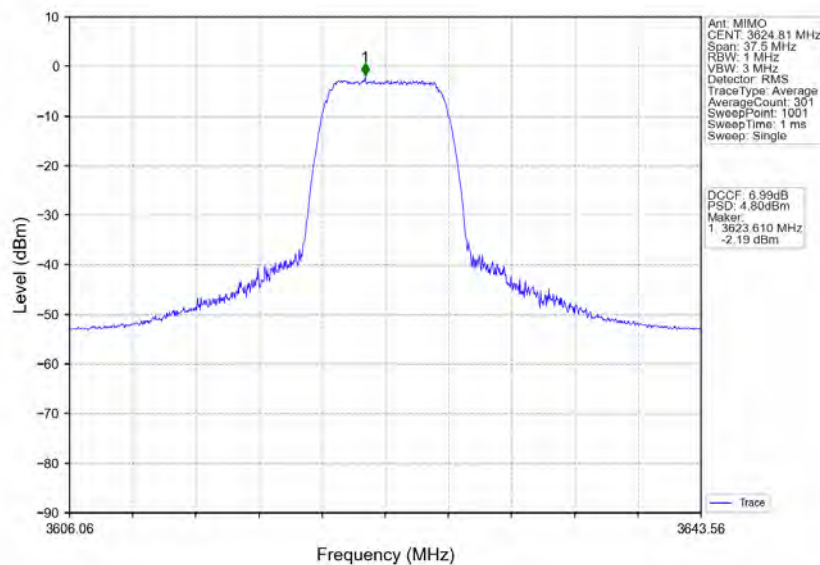
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



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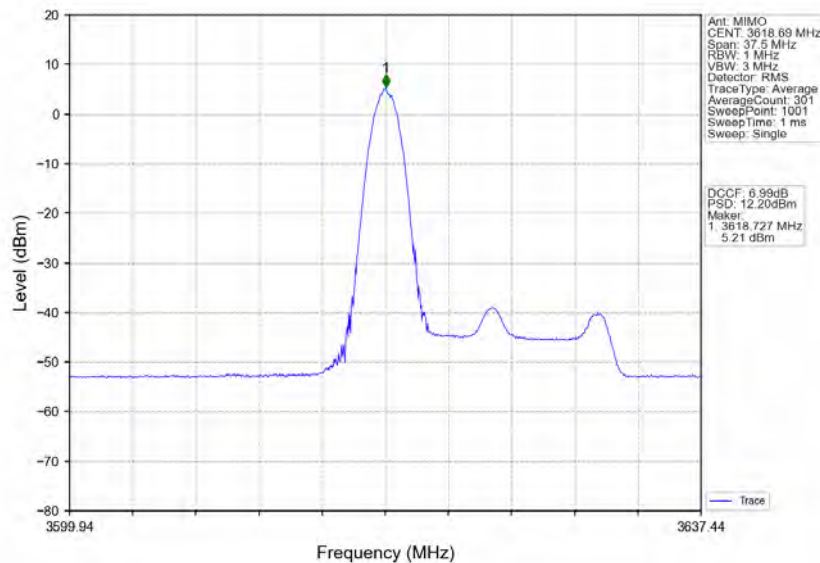
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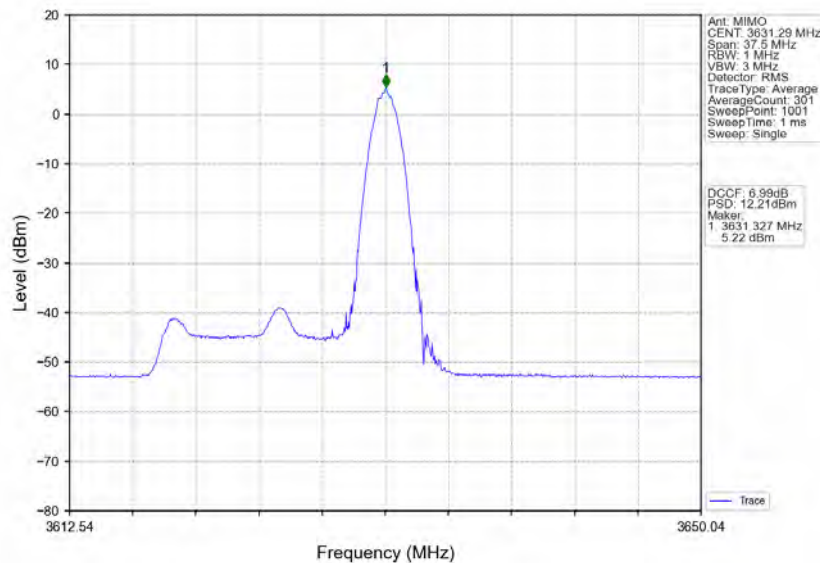
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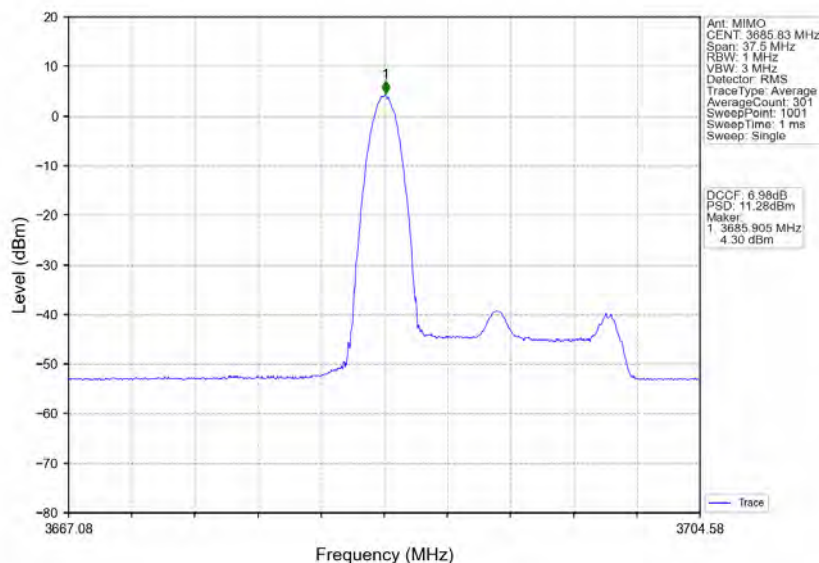
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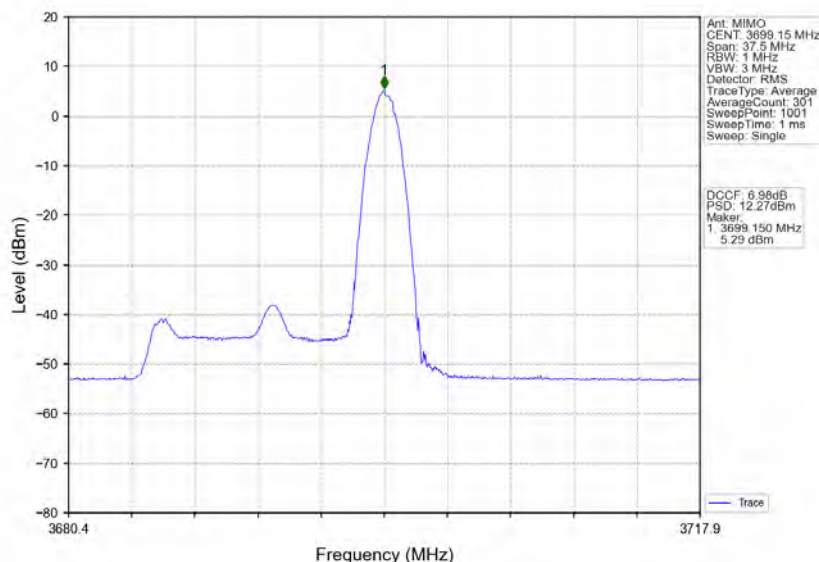
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM 64 QAM_3692.49MHz_Edge_1RB_Left



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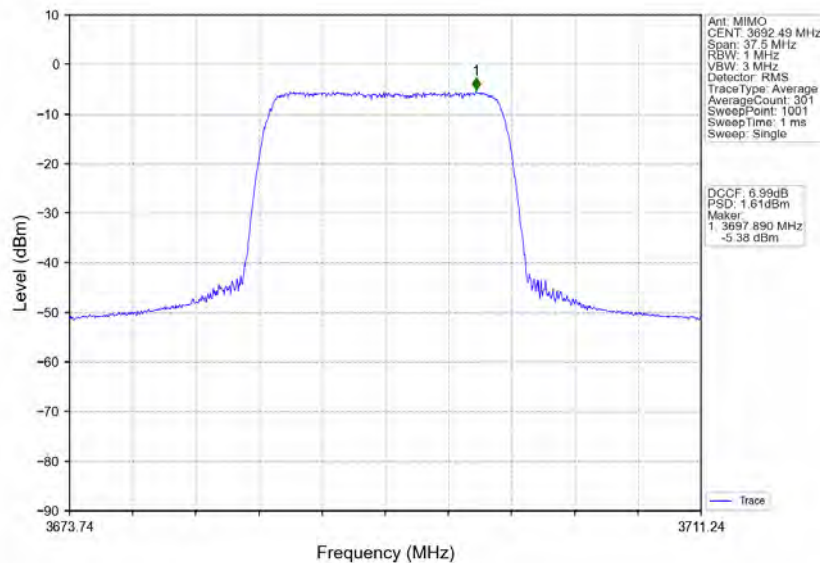
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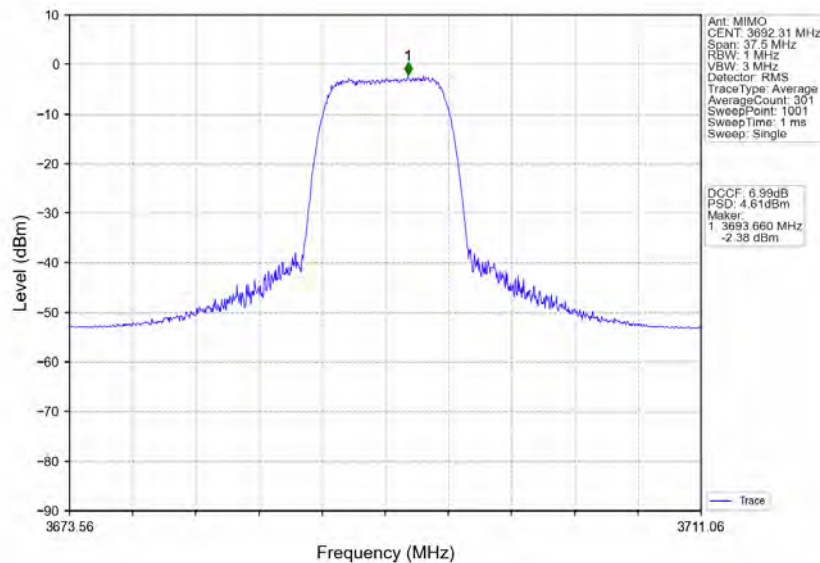
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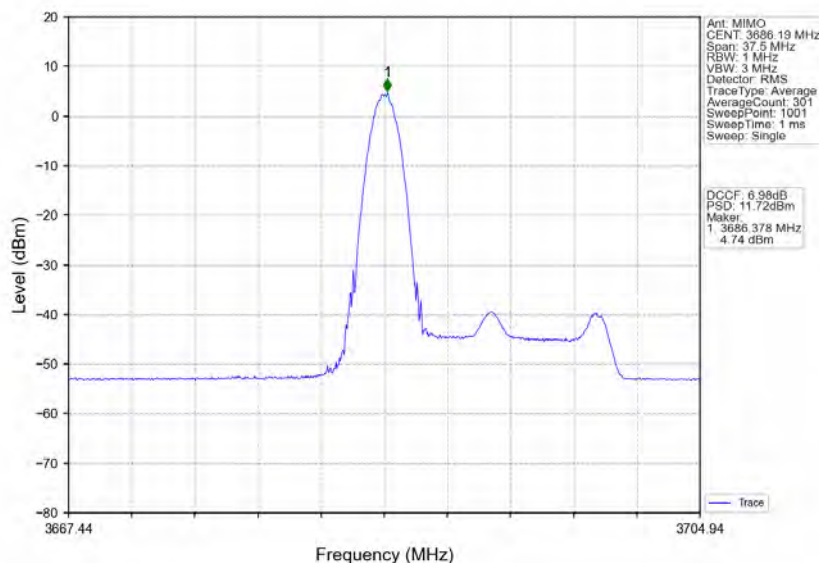
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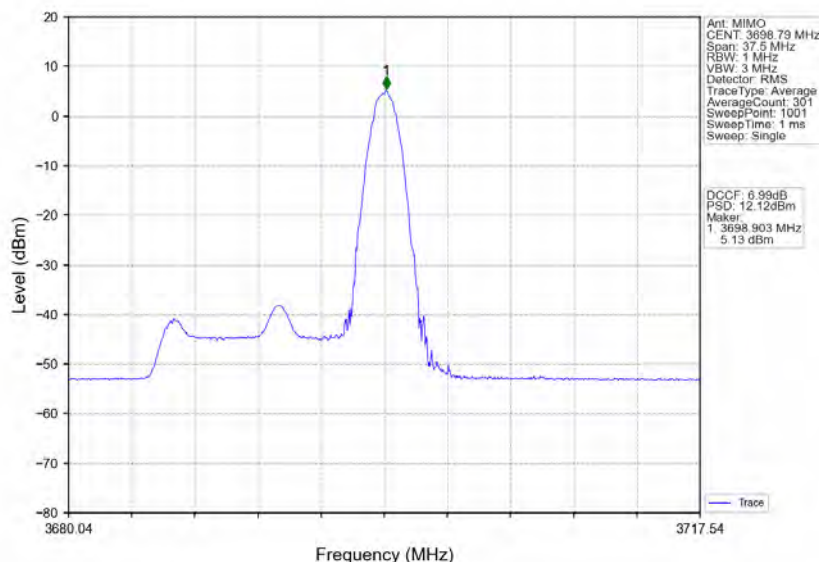
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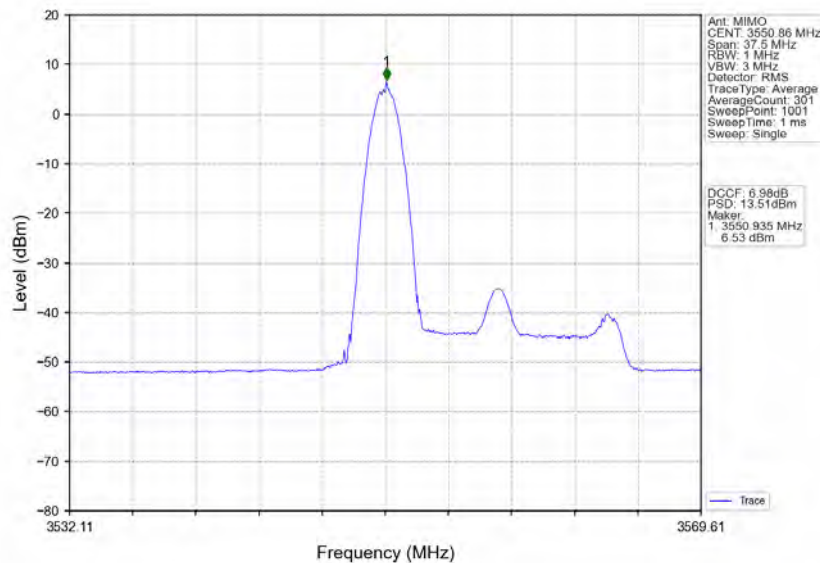
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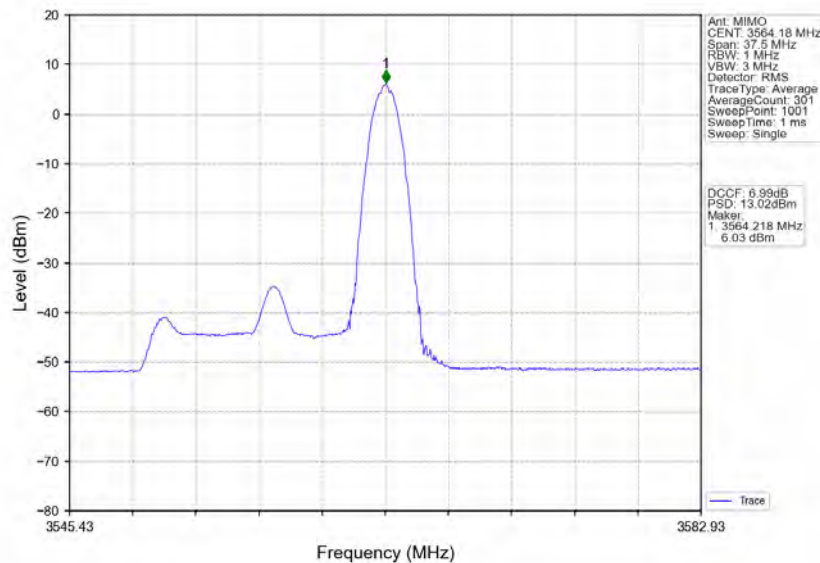
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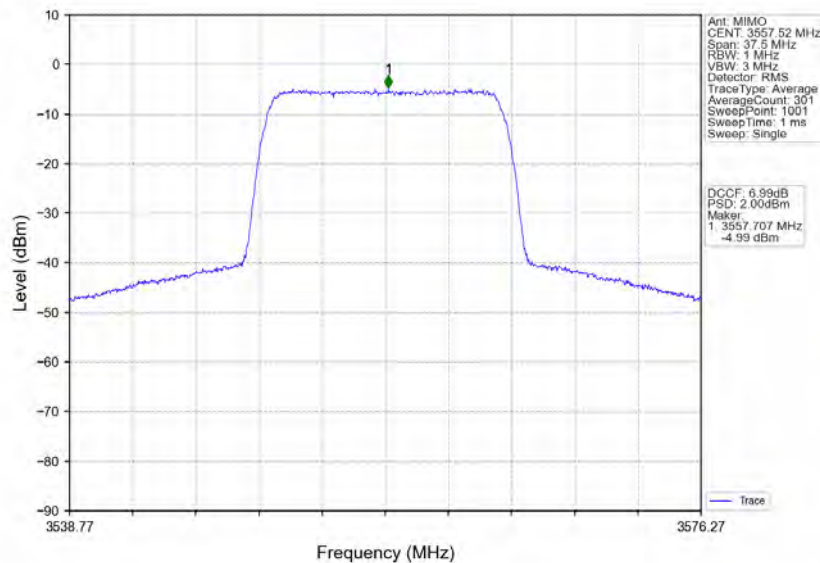
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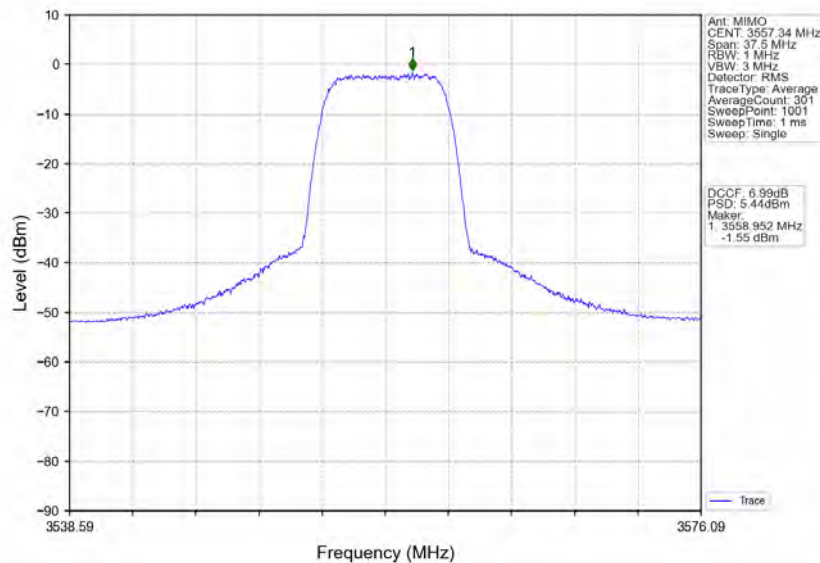
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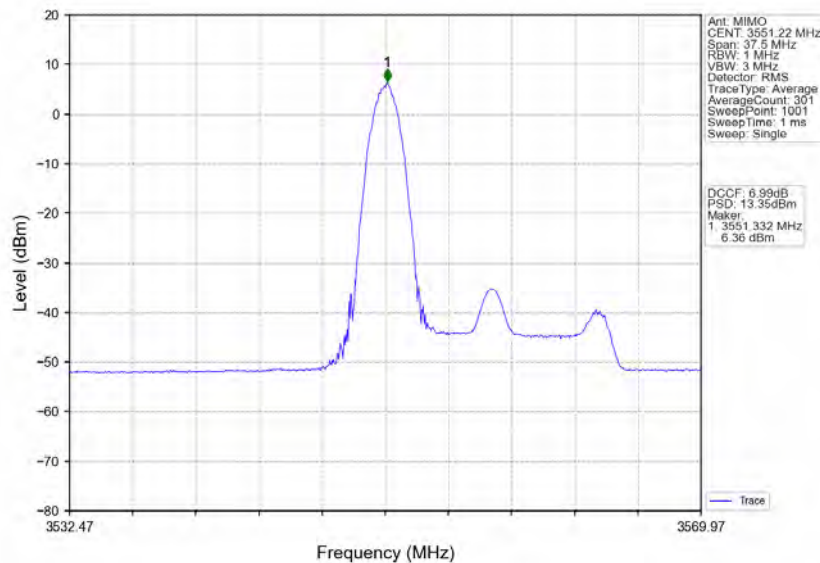
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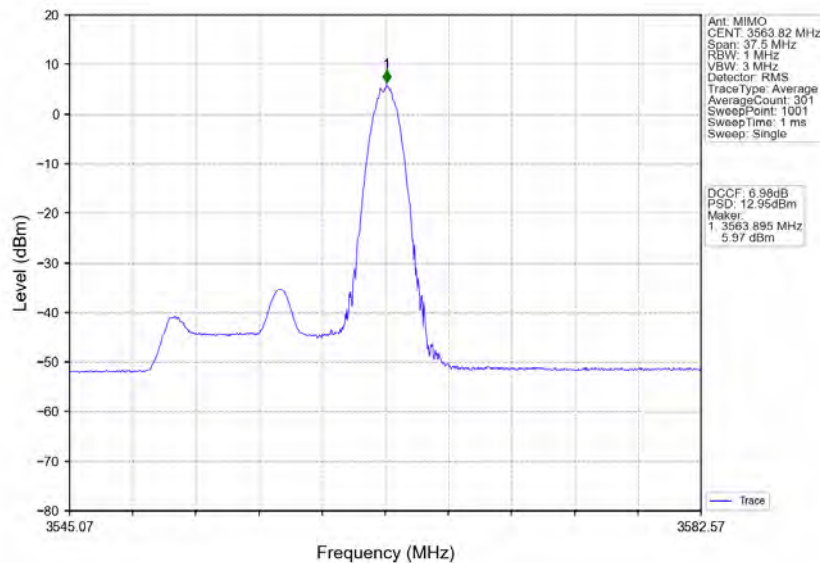
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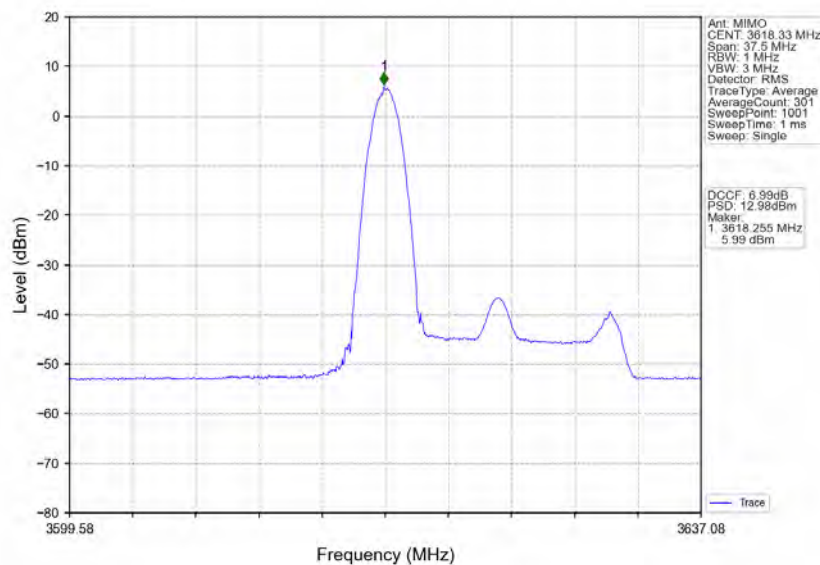
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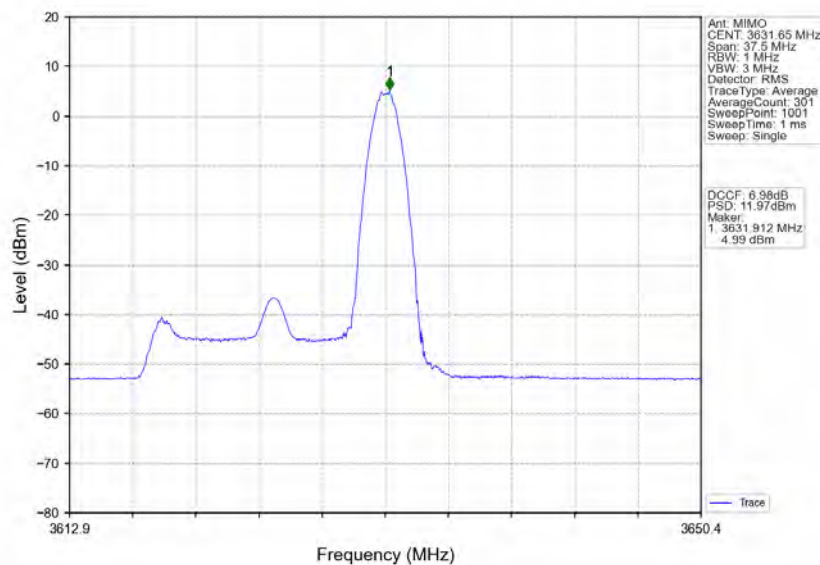
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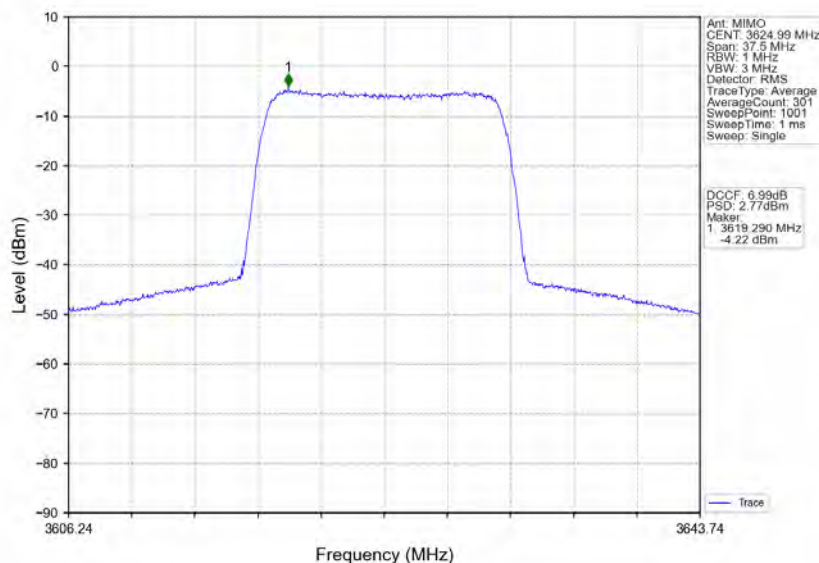
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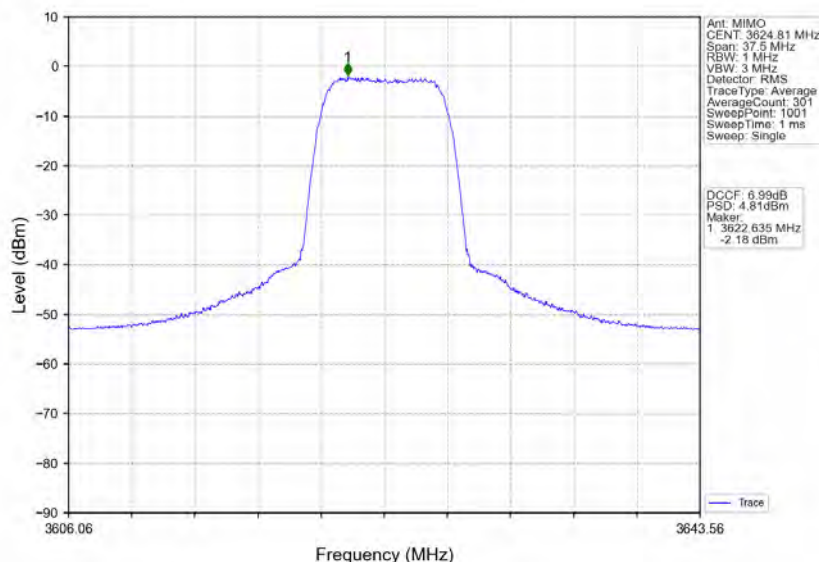
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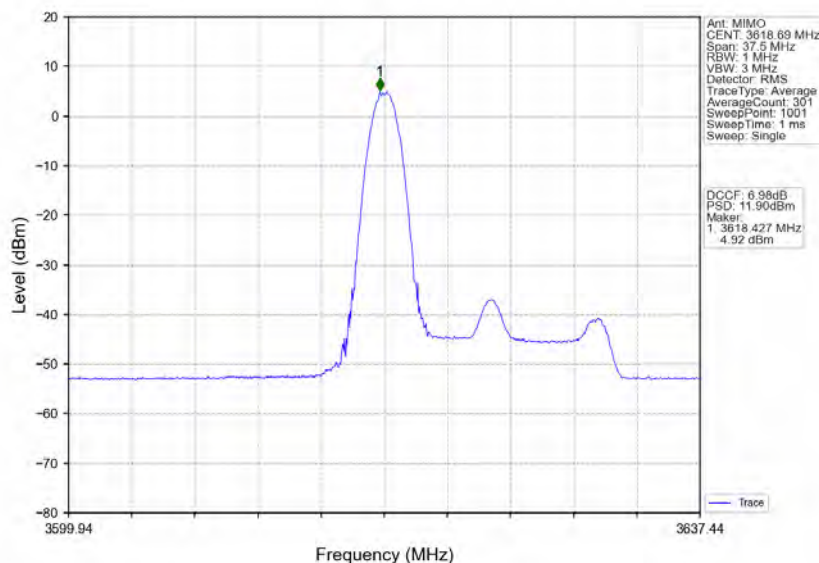
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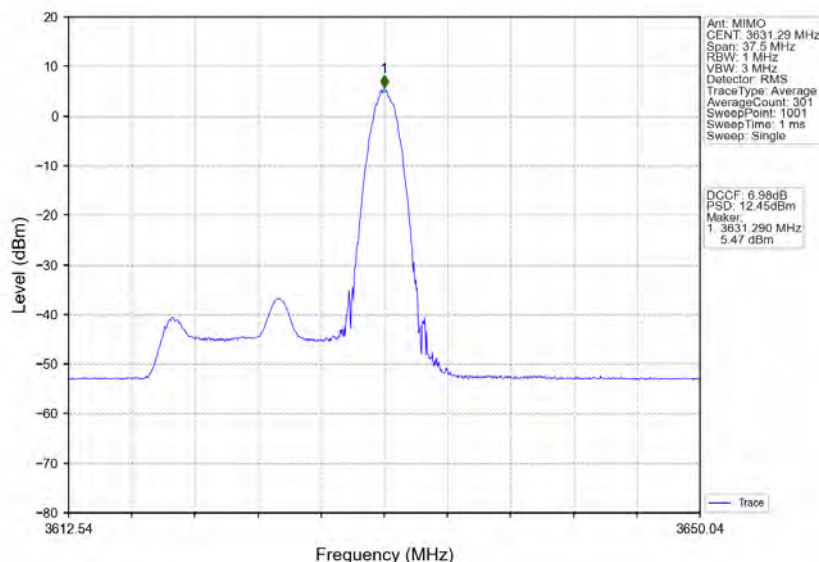
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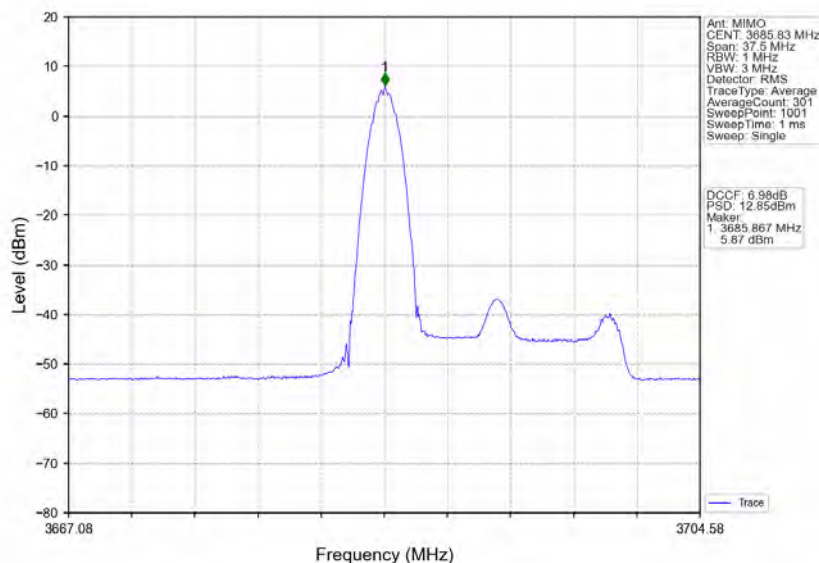
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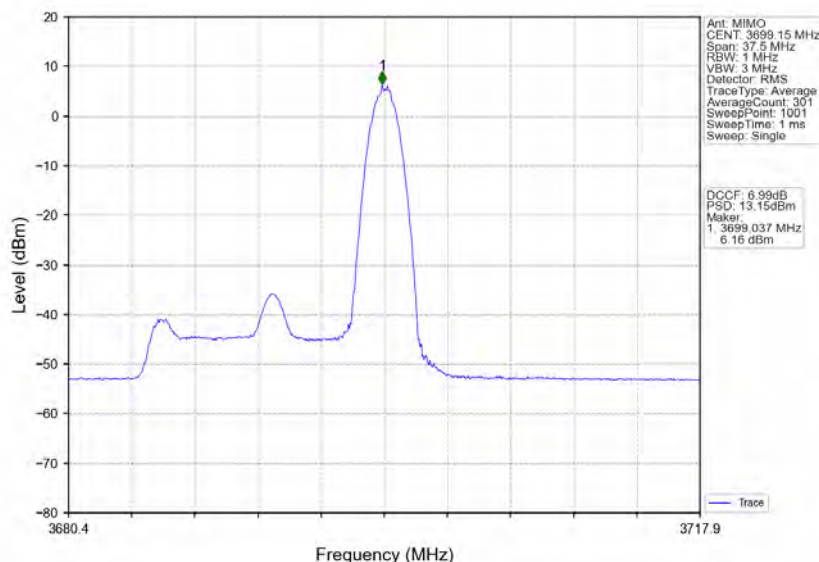
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_256_QAM_3692.49MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_256_QAM_3692.49MHz_Edge_1RB_Right



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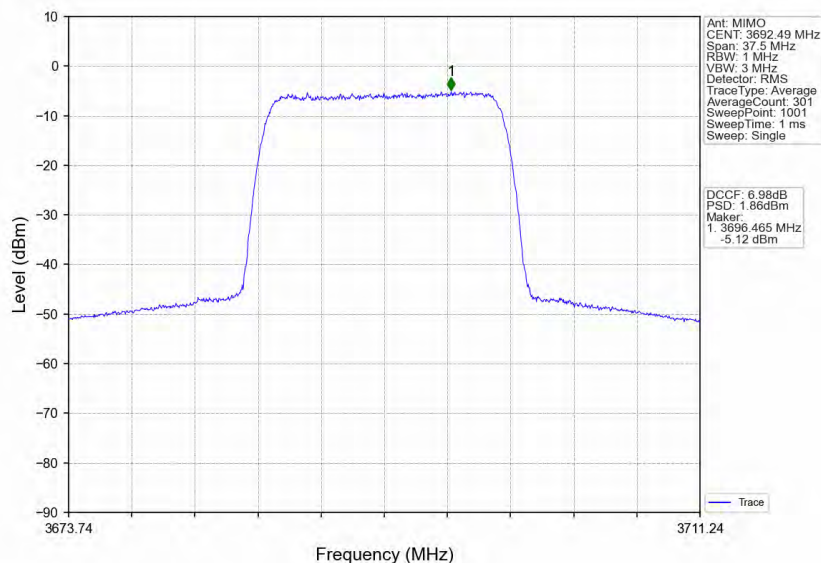
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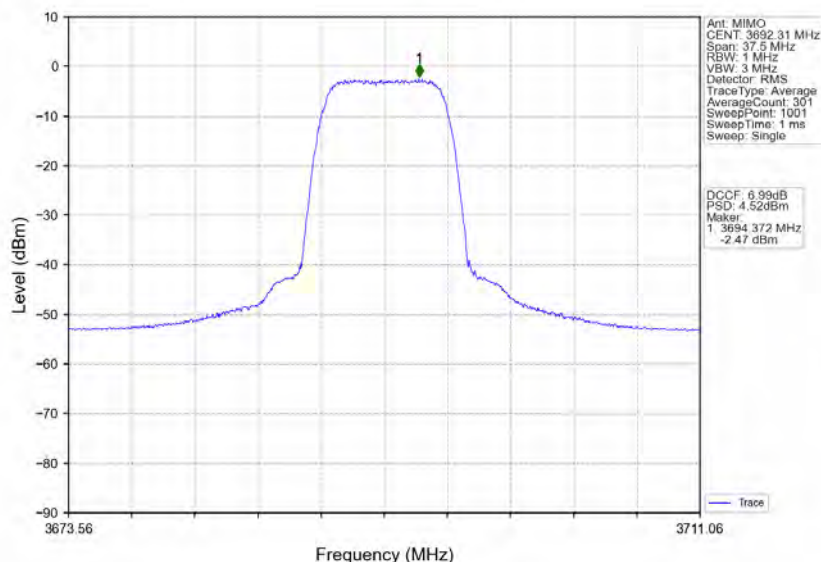
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_256_QAM_3692.49MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_256_QAM_3692.49MHz_Inner_Full



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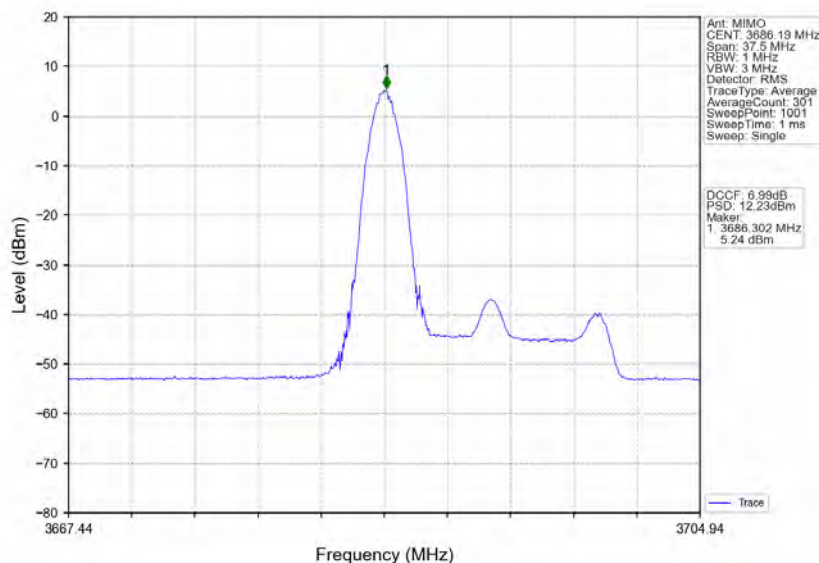
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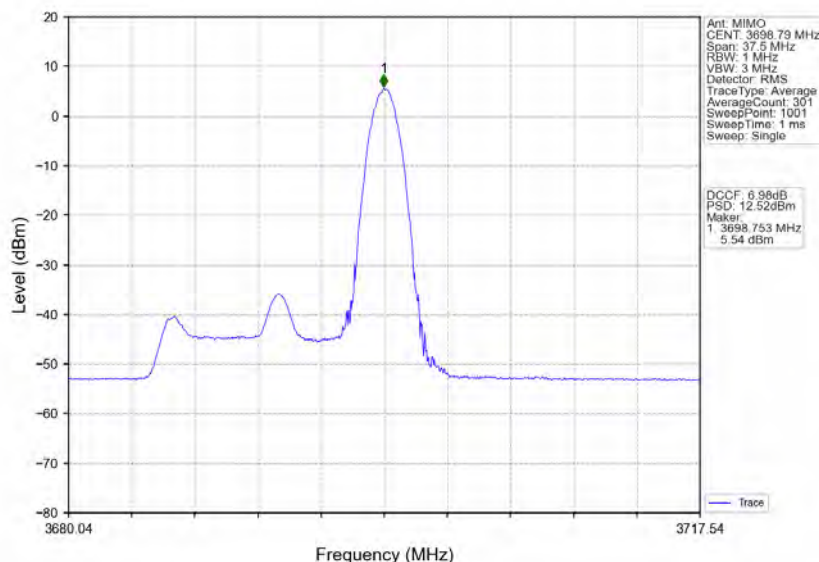
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_256_QAM_3692.49MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_256_QAM_3692.49MHz_Inner_1RB_Right



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2.7 30k_MIMO_20MHz_NTNV_EIRP

2.7.1 Test Result

5G NR n78d SCS=30kHz MIMO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3560.01	Edge 1RB Left	10.58	10.61	13.60	15.48	16.41	18.98	-	Pass
		Edge 1RB Right	10.76	10.56	13.67	15.66	16.36	19.03	-	Pass
		Outer Full	10.60	10.60	13.61	15.50	16.40	18.98	-	Pass
		Inner Full	10.54	10.65	13.60	15.44	16.45	18.98	-	Pass
		Inner 1RB Left	10.54	10.65	13.61	15.44	16.45	18.98	-	Pass
		Inner 1RB Right	10.61	10.63	13.63	15.51	16.43	19.00	-	Pass
	3624.99	Edge 1RB Left	10.71	10.96	13.85	15.61	16.76	19.23	-	Pass
		Edge 1RB Right	10.75	11.01	13.89	15.65	16.81	19.28	-	Pass
		Outer Full	10.63	11.10	13.88	15.53	16.90	19.28	-	Pass
		Inner Full	10.62	11.01	13.83	15.52	16.81	19.22	-	Pass
		Inner 1RB Left	10.74	10.99	13.88	15.64	16.79	19.26	-	Pass
		Inner 1RB Right	10.75	11.09	13.93	15.65	16.89	19.32	-	Pass
	3690	Edge 1RB Left	10.50	10.71	13.62	15.40	16.51	19.00	-	Pass
		Edge 1RB Right	10.74	10.74	13.75	15.64	16.54	19.12	-	Pass
		Outer Full	10.41	10.82	13.63	15.31	16.62	19.02	-	Pass
		Inner Full	10.49	10.73	13.62	15.39	16.53	19.01	-	Pass
		Inner 1RB Left	10.40	10.75	13.59	15.30	16.55	18.98	-	Pass
		Inner 1RB Right	10.75	10.77	13.77	15.65	16.57	19.14	-	Pass
CP-OFDM 16 QAM	3560.01	Edge 1RB Left	10.44	10.83	13.65	15.34	16.63	19.04	-	Pass
		Edge 1RB Right	10.49	10.56	13.54	15.39	16.36	18.91	-	Pass
		Outer Full	10.67	10.63	13.66	15.57	16.43	19.03	-	Pass
		Inner Full	10.56	10.48	13.53	15.46	16.28	18.90	-	Pass
		Inner 1RB Left	10.41	10.68	13.56	15.31	16.48	18.94	-	Pass
		Inner 1RB Right	10.60	10.58	13.60	15.50	16.38	18.97	-	Pass
	3624.99	Edge 1RB Left	10.44	11.04	13.76	15.34	16.84	19.16	-	Pass
		Edge 1RB Right	10.44	11.17	13.83	15.34	16.97	19.24	-	Pass
		Outer Full	10.66	11.03	13.86	15.56	16.83	19.25	-	Pass
		Inner Full	10.63	10.96	13.81	15.53	16.76	19.20	-	Pass
		Inner 1RB Left	10.54	11.03	13.80	15.44	16.83	19.20	-	Pass
		Inner 1RB Right	10.50	11.08	13.81	15.40	16.88	19.21	-	Pass
	3690	Edge 1RB Left	10.18	10.75	13.49	15.08	16.55	18.89	-	Pass
		Edge 1RB Right	10.51	10.68	13.60	15.41	16.48	18.99	-	Pass
		Outer Full	10.46	10.75	13.62	15.36	16.55	19.01	-	Pass
		Inner Full	10.39	10.72	13.57	15.29	16.52	18.96	-	Pass
		Inner 1RB Left	10.18	10.76	13.49	15.08	16.56	18.89	-	Pass
		Inner 1RB Right	10.47	10.80	13.65	15.37	16.60	19.04	-	Pass
CP-OFDM 64 QAM	3560.01	Edge 1RB Left	10.50	10.90	13.71	15.40	16.70	19.11	-	Pass
		Edge 1RB Right	10.75	10.70	13.74	15.65	16.50	19.11	-	Pass
		Outer Full	10.70	10.53	13.63	15.60	16.33	18.99	-	Pass
		Inner Full	10.60	10.50	13.56	15.50	16.30	18.93	-	Pass
		Inner 1RB Left	10.51	10.90	13.72	15.41	16.70	19.11	-	Pass
		Inner 1RB Right	10.72	10.76	13.75	15.62	16.56	19.13	-	Pass
	3624.99	Edge 1RB Left	10.57	11.16	13.88	15.47	16.96	19.29	-	Pass
		Edge 1RB Right	10.67	11.19	13.95	15.57	16.99	19.35	-	Pass



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CP-OFDM 256 QAM		Outer_Full	10.74	10.96	13.86	15.64	16.76	19.25	-	Pass
		Inner_Full	10.61	11.02	13.83	15.51	16.82	19.22	-	Pass
		Inner_1RB_Left	10.73	11.21	13.99	15.63	17.01	19.38	-	Pass
		Inner_1RB_Right	10.62	11.18	13.92	15.52	16.98	19.32	-	Pass
	3690	Edge_1RB_Left	10.33	10.84	13.60	15.23	16.64	19.00	-	Pass
		Edge_1RB_Right	10.60	10.97	13.80	15.50	16.77	19.19	-	Pass
		Outer_Full	10.48	10.76	13.63	15.38	16.56	19.02	-	Pass
		Inner_Full	10.37	10.66	13.53	15.27	16.46	18.92	-	Pass
		Inner_1RB_Left	10.43	10.84	13.65	15.33	16.64	19.04	-	Pass
		Inner_1RB_Right	10.63	10.95	13.80	15.53	16.75	19.19	-	Pass
		Edge_1RB_Left	10.77	10.65	13.72	15.67	16.45	19.09	-	Pass
		Edge_1RB_Right	10.89	10.44	13.68	15.79	16.24	19.03	-	Pass
	3560.01	Outer_Full	10.74	10.62	13.69	15.64	16.42	19.06	-	Pass
		Inner_Full	10.62	10.65	13.64	15.52	16.45	19.02	-	Pass
		Inner_1RB_Left	10.74	10.67	13.71	15.64	16.47	19.09	-	Pass
		Inner_1RB_Right	10.91	10.49	13.71	15.81	16.29	19.07	-	Pass
		Edge_1RB_Left	10.72	10.96	13.86	15.62	16.76	19.24	-	Pass
		Edge_1RB_Right	10.80	11.03	13.92	15.70	16.83	19.31	-	Pass
		Outer_Full	10.69	10.96	13.84	15.59	16.76	19.22	-	Pass
		Inner_Full	10.68	11.01	13.86	15.58	16.81	19.25	-	Pass
	3624.99	Inner_1RB_Left	10.72	10.97	13.85	15.62	16.77	19.24	-	Pass
		Inner_1RB_Right	10.81	10.93	13.88	15.71	16.73	19.26	-	Pass
		Edge_1RB_Left	10.49	10.65	13.58	15.39	16.45	18.96	-	Pass
		Edge_1RB_Right	10.83	10.74	13.80	15.73	16.54	19.16	-	Pass
		Outer_Full	10.50	10.83	13.68	15.40	16.63	19.07	-	Pass
		Inner_Full	10.40	10.80	13.61	15.30	16.60	19.01	-	Pass
		Inner_1RB_Left	10.50	10.63	13.58	15.40	16.43	18.96	-	Pass
		Inner_1RB_Right	10.75	10.73	13.75	15.65	16.53	19.12	-	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

2.8 30k_MIMO_20MHz_NTNV_EIRP/10MHz

2.8.1 Test Result

5G NR n78d SCS=30kHz MIMO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3560.01	Edge_1RB_Left	8.78	9.69	12.27	13.68	15.49	17.69	<=30	Pass
		Edge_1RB_Right	8.78	9.47	12.15	13.68	15.27	17.56	<=30	Pass
		Outer_Full	6.56	7.03	9.81	11.46	12.83	15.21	<=30	Pass
		Inner_Full	9.11	9.76	12.46	14.01	15.56	17.86	<=30	Pass
		Inner_1RB_Left	9.21	9.35	12.29	14.11	15.15	17.67	<=30	Pass
		Inner_1RB_Right	9.48	9.46	12.48	14.38	15.26	17.85	<=30	Pass
	3624.99	Edge_1RB_Left	8.98	9.37	12.19	13.88	15.17	17.58	<=30	Pass
		Edge_1RB_Right	8.82	9.16	12.00	13.72	14.96	17.39	<=30	Pass
		Outer_Full	6.38	6.50	9.45	11.28	12.30	14.83	<=30	Pass
		Inner_Full	8.95	8.86	11.92	13.85	14.66	17.28	<=30	Pass
		Inner_1RB_Left	9.35	9.59	12.48	14.25	15.39	17.87	<=30	Pass
		Inner_1RB_Right	9.26	9.50	12.39	14.16	15.30	17.78	<=30	Pass
	3690	Edge_1RB_Left	9.45	8.70	12.10	14.35	14.50	17.44	<=30	Pass



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CP-OFDM 16 QAM		Edge 1RB Right	10.39	10.33	13.37	15.29	16.13	18.74	<=30	Pass
		Outer Full	5.70	6.95	9.38	10.60	12.75	14.82	<=30	Pass
		Inner Full	8.45	10.27	12.46	13.35	16.07	17.93	<=30	Pass
		Inner 1RB Left	8.65	9.05	11.86	13.55	14.85	17.26	<=30	Pass
		Inner 1RB Right	9.74	9.46	12.61	14.64	15.26	17.97	<=30	Pass
	3560.01	Edge 1RB Left	10.10	9.96	13.04	15.00	15.76	18.41	<=30	Pass
		Edge 1RB Right	9.74	10.50	13.15	14.64	16.30	18.56	<=30	Pass
		Outer Full	6.86	7.01	9.95	11.76	12.81	15.33	<=30	Pass
		Inner Full	9.45	9.94	12.71	14.35	15.74	18.11	<=30	Pass
		Inner 1RB Left	9.84	10.22	13.04	14.74	16.02	18.44	<=30	Pass
		Inner 1RB Right	9.85	10.23	13.05	14.75	16.03	18.45	<=30	Pass
	3624.99	Edge 1RB Left	9.14	10.44	12.85	14.04	16.24	18.29	<=30	Pass
		Edge 1RB Right	8.20	9.36	11.83	13.10	15.16	17.26	<=30	Pass
		Outer Full	6.27	7.00	9.66	11.17	12.80	15.07	<=30	Pass
		Inner Full	9.21	9.86	12.56	14.11	15.66	17.96	<=30	Pass
		Inner 1RB Left	9.45	9.09	12.28	14.35	14.89	17.64	<=30	Pass
		Inner 1RB Right	8.55	8.59	11.58	13.45	14.39	16.96	<=30	Pass
	3690	Edge 1RB Left	8.98	9.06	12.03	13.88	14.86	17.41	<=30	Pass
		Edge 1RB Right	8.10	9.04	11.61	13.00	14.84	17.03	<=30	Pass
		Outer Full	6.32	6.52	9.43	11.22	12.32	14.82	<=30	Pass
		Inner Full	9.17	9.06	12.13	14.07	14.86	17.49	<=30	Pass
		Inner 1RB Left	9.05	10.04	12.58	13.95	15.84	18.01	<=30	Pass
		Inner 1RB Right	9.87	9.38	12.64	14.77	15.18	17.99	<=30	Pass
CP-OFDM 64 QAM	3560.01	Edge 1RB Left	9.77	9.93	12.86	14.67	15.73	18.24	<=30	Pass
		Edge 1RB Right	9.75	10.17	12.98	14.65	15.97	18.37	<=30	Pass
		Outer Full	7.23	7.38	10.32	12.13	13.18	15.70	<=30	Pass
		Inner Full	10.35	10.16	13.27	15.25	15.96	18.63	<=30	Pass
		Inner 1RB Left	10.27	9.90	13.10	15.17	15.70	18.45	<=30	Pass
		Inner 1RB Right	9.79	10.21	13.02	14.69	16.01	18.41	<=30	Pass
	3624.99	Edge 1RB Left	9.49	9.45	12.48	14.39	15.25	17.85	<=30	Pass
		Edge 1RB Right	8.94	10.29	12.68	13.84	16.09	18.12	<=30	Pass
		Outer Full	7.13	6.96	10.06	12.03	12.76	15.42	<=30	Pass
		Inner Full	8.98	9.33	12.17	13.88	15.13	17.56	<=30	Pass
		Inner 1RB Left	9.04	9.03	12.05	13.94	14.83	17.42	<=30	Pass
		Inner 1RB Right	8.72	9.35	12.06	13.62	15.15	17.46	<=30	Pass
	3690	Edge 1RB Left	8.71	10.01	12.42	13.61	15.81	17.86	<=30	Pass
		Edge 1RB Right	9.15	10.17	12.70	14.05	15.97	18.13	<=30	Pass
		Outer Full	5.92	6.75	9.37	10.82	12.55	14.78	<=30	Pass
		Inner Full	9.32	8.99	12.17	14.22	14.79	17.52	<=30	Pass
		Inner 1RB Left	9.15	9.99	12.60	14.05	15.79	18.02	<=30	Pass
		Inner 1RB Right	9.04	9.88	12.49	13.94	15.68	17.91	<=30	Pass
CP-OFDM 256 QAM	3560.01	Edge 1RB Left	9.07	10.45	12.82	13.97	16.25	18.27	<=30	Pass
		Edge 1RB Right	10.07	9.47	12.79	14.97	15.27	18.13	<=30	Pass
		Outer Full	7.37	7.55	10.47	12.27	13.35	15.85	<=30	Pass
		Inner Full	9.75	10.05	12.91	14.65	15.85	18.30	<=30	Pass
		Inner 1RB Left	9.48	9.97	12.74	14.38	15.77	18.14	<=30	Pass
		Inner 1RB Right	10.43	9.48	12.99	15.33	15.28	18.32	<=30	Pass
	3624.99	Edge 1RB Left	9.28	10.50	12.94	14.18	16.30	18.38	<=30	Pass
		Edge 1RB Right	8.37	8.58	11.49	13.27	14.38	16.87	<=30	Pass
		Outer Full	6.41	6.46	9.45	11.31	12.26	14.82	<=30	Pass
		Inner Full	8.83	10.11	12.53	13.73	15.91	17.97	<=30	Pass
		Inner 1RB Left	9.26	9.94	12.62	14.16	15.74	18.03	<=30	Pass
		Inner 1RB Right	8.93	9.44	12.20	13.83	15.24	17.60	<=30	Pass
	3690	Edge 1RB Left	8.91	8.60	11.77	13.81	14.40	17.13	<=30	Pass

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	Edge_1RB_Right	10.46	10.24	13.36	15.36	16.04	18.72	<=30	Pass
	Outer_Full	6.69	7.01	9.86	11.59	12.81	15.25	<=30	Pass
	Inner_Full	9.14	9.87	12.53	14.04	15.67	17.94	<=30	Pass
	Inner_1RB_Left	9.34	9.48	12.42	14.24	15.28	17.80	<=30	Pass
	Inner_1RB_Right	8.94	9.85	12.43	13.84	15.65	17.85	<=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

2.9 30k_MIMO_20MHz_NTNV_PSD

2.9.1 Test Result

5G NR n78d SCS=30kHz MIMO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted PSD(dBm/MHz)			E.I.R.PSD(dBm/MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3560.01	Edge_1RB_Left	8.78	9.69	13.04	13.68	15.49	18.84	<=20	Pass
		Edge_1RB_Right	8.78	9.47	12.14	13.68	15.27	17.94	<=20	Pass
		Outer_Full	6.56	7.03	0.78	11.46	12.83	6.58	<=20	Pass
		Inner_Full	9.11	9.76	4.10	14.01	15.56	9.90	<=20	Pass
		Inner_1RB_Left	9.21	9.35	12.39	14.11	15.15	18.19	<=20	Pass
		Inner_1RB_Right	9.48	9.46	12.44	14.38	15.26	18.24	<=20	Pass
	3624.99	Edge_1RB_Left	8.98	9.37	12.72	13.88	15.17	18.52	<=20	Pass
		Edge_1RB_Right	8.82	9.16	12.16	13.72	14.96	17.96	<=20	Pass
		Outer_Full	6.38	6.50	1.46	11.28	12.30	7.26	<=20	Pass
		Inner_Full	8.95	8.86	4.22	13.85	14.66	10.02	<=20	Pass
		Inner_1RB_Left	9.35	9.59	13.05	14.25	15.39	18.85	<=20	Pass
		Inner_1RB_Right	9.26	9.50	12.58	14.16	15.30	18.38	<=20	Pass
	3690	Edge_1RB_Left	9.45	8.70	12.38	14.35	14.50	18.18	<=20	Pass
		Edge_1RB_Right	10.39	10.33	12.50	15.29	16.13	18.30	<=20	Pass
		Outer_Full	5.70	6.95	1.23	10.60	12.75	7.03	<=20	Pass
		Inner_Full	8.45	10.27	3.53	13.35	16.07	9.33	<=20	Pass
		Inner_1RB_Left	8.65	9.05	12.38	13.55	14.85	18.18	<=20	Pass
		Inner_1RB_Right	9.74	9.46	13.29	14.64	15.26	19.09	<=20	Pass
CP-OFDM 16 QAM	3560.01	Edge_1RB_Left	10.10	9.96	12.87	15.00	15.76	18.67	<=20	Pass
		Edge_1RB_Right	9.74	10.50	13.50	14.64	16.30	19.30	<=20	Pass
		Outer_Full	6.86	7.01	1.48	11.76	12.81	7.28	<=20	Pass
		Inner_Full	9.45	9.94	4.40	14.35	15.74	10.20	<=20	Pass
		Inner_1RB_Left	9.84	10.22	12.88	14.74	16.02	18.68	<=20	Pass
		Inner_1RB_Right	9.85	10.23	13.01	14.75	16.03	18.81	<=20	Pass
	3624.99	Edge_1RB_Left	9.14	10.44	12.92	14.04	16.24	18.72	<=20	Pass
		Edge_1RB_Right	8.20	9.36	13.01	13.10	15.16	18.81	<=20	Pass
		Outer_Full	6.27	7.00	1.62	11.17	12.80	7.42	<=20	Pass
		Inner_Full	9.21	9.86	4.03	14.11	15.66	9.83	<=20	Pass
		Inner_1RB_Left	9.45	9.09	12.37	14.35	14.89	18.17	<=20	Pass
		Inner_1RB_Right	8.55	8.59	12.46	13.45	14.39	18.26	<=20	Pass
	3690	Edge_1RB_Left	8.98	9.06	12.22	13.88	14.86	18.02	<=20	Pass
		Edge_1RB_Right	8.10	9.04	12.63	13.00	14.84	18.43	<=20	Pass
		Outer_Full	6.32	6.52	0.86	11.22	12.32	6.66	<=20	Pass
		Inner_Full	9.17	9.06	3.99	14.07	14.86	9.79	<=20	Pass
		Inner_1RB_Left	9.05	10.04	12.08	13.95	15.84	17.88	<=20	Pass
		Inner_1RB_Right	9.87	9.38	12.00	14.77	15.18	17.80	<=20	Pass



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CP-OFDM 64 QAM	3560.01	Edge 1RB Left	9.77	9.93	13.12	14.67	15.73	18.92	<=20	Pass
		Edge 1RB Right	9.75	10.17	13.60	14.65	15.97	19.40	<=20	Pass
		Outer Full	7.23	7.38	1.41	12.13	13.18	7.21	<=20	Pass
		Inner Full	10.35	10.16	4.65	15.25	15.96	10.45	<=20	Pass
		Inner 1RB Left	10.27	9.90	13.51	15.17	15.70	19.31	<=20	Pass
		Inner 1RB Right	9.79	10.21	13.45	14.69	16.01	19.25	<=20	Pass
	3624.99	Edge 1RB Left	9.49	9.45	13.59	14.39	15.25	19.39	<=20	Pass
		Edge 1RB Right	8.94	10.29	12.99	13.84	16.09	18.79	<=20	Pass
		Outer Full	7.13	6.96	0.89	12.03	12.76	6.69	<=20	Pass
		Inner Full	8.98	9.33	3.72	13.88	15.13	9.52	<=20	Pass
		Inner 1RB Left	9.04	9.03	13.05	13.94	14.83	18.85	<=20	Pass
		Inner 1RB Right	8.72	9.35	12.33	13.62	15.15	18.13	<=20	Pass
	3690	Edge 1RB Left	8.71	10.01	12.66	13.61	15.81	18.46	<=20	Pass
		Edge 1RB Right	9.15	10.17	12.54	14.05	15.97	18.34	<=20	Pass
		Outer Full	5.92	6.75	1.04	10.82	12.55	6.84	<=20	Pass
		Inner Full	9.32	8.99	3.70	14.22	14.79	9.50	<=20	Pass
		Inner 1RB Left	9.15	9.99	12.32	14.05	15.79	18.12	<=20	Pass
		Inner 1RB Right	9.04	9.88	12.99	13.94	15.68	18.79	<=20	Pass
CP-OFDM 256 QAM	3560.01	Edge 1RB Left	9.07	10.45	13.25	13.97	16.25	19.05	<=20	Pass
		Edge 1RB Right	10.07	9.47	13.10	14.97	15.27	18.90	<=20	Pass
		Outer Full	7.37	7.55	1.90	12.27	13.35	7.70	<=20	Pass
		Inner Full	9.75	10.05	4.56	14.65	15.85	10.36	<=20	Pass
		Inner 1RB Left	9.48	9.97	12.73	14.38	15.77	18.53	<=20	Pass
		Inner 1RB Right	10.43	9.48	13.07	15.33	15.28	18.87	<=20	Pass
	3624.99	Edge 1RB Left	9.28	10.50	13.20	14.18	16.30	19.00	<=20	Pass
		Edge 1RB Right	8.37	8.58	12.82	13.27	14.38	18.62	<=20	Pass
		Outer Full	6.41	6.46	0.87	11.31	12.26	6.67	<=20	Pass
		Inner Full	8.83	10.11	4.28	13.73	15.91	10.08	<=20	Pass
		Inner 1RB Left	9.26	9.94	13.31	14.16	15.74	19.11	<=20	Pass
		Inner 1RB Right	8.93	9.44	12.34	13.83	15.24	18.14	<=20	Pass
	3690	Edge 1RB Left	8.91	8.60	12.62	13.81	14.40	18.42	<=20	Pass
		Edge 1RB Right	10.46	10.24	12.38	15.36	16.04	18.18	<=20	Pass
		Outer Full	6.69	7.01	0.81	11.59	12.81	6.61	<=20	Pass
		Inner Full	9.14	9.87	3.80	14.04	15.67	9.60	<=20	Pass
		Inner 1RB Left	9.34	9.48	12.40	14.24	15.28	18.20	<=20	Pass
		Inner 1RB Right	8.94	9.85	12.98	13.84	15.65	18.78	<=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



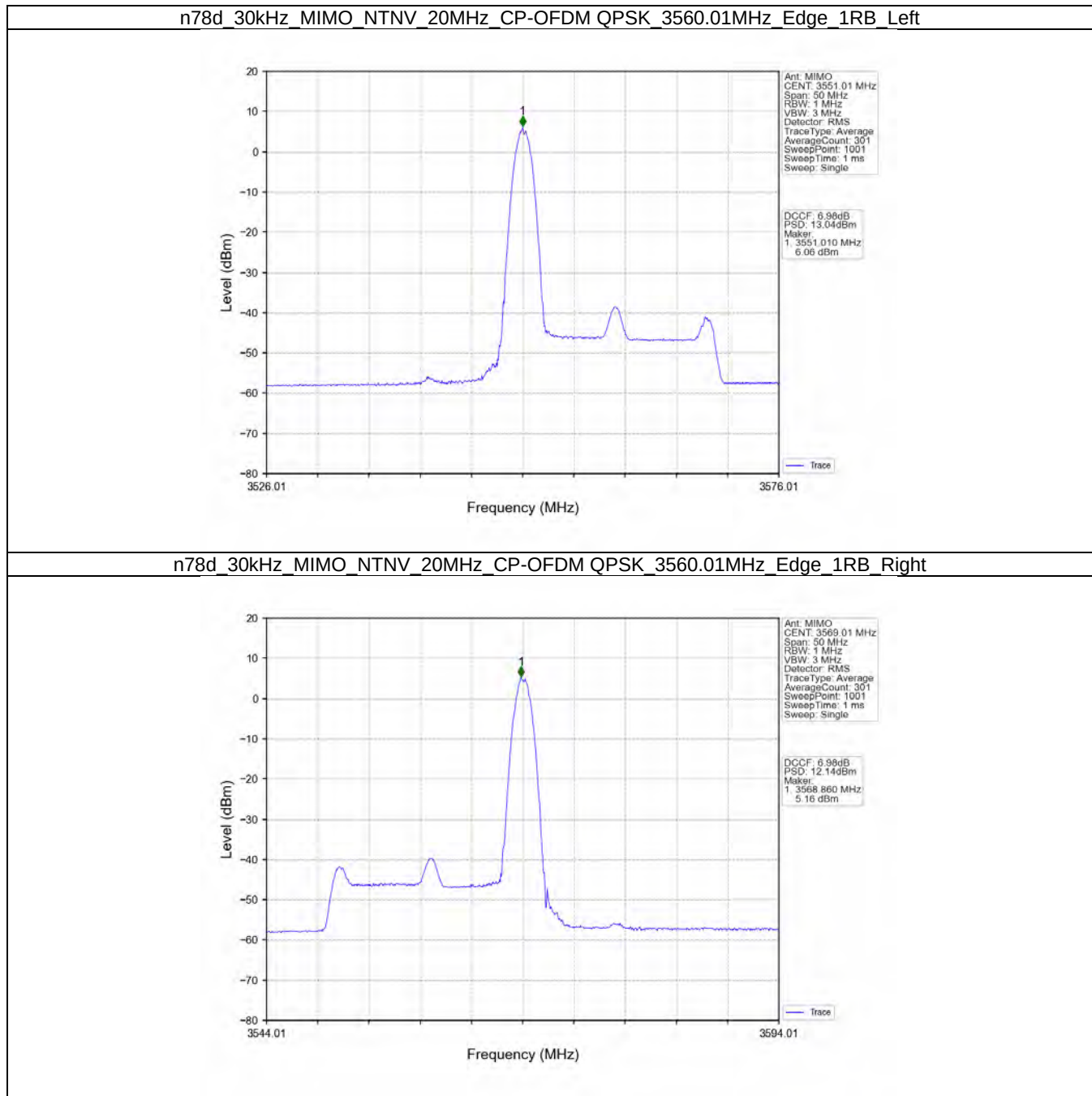
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2.9.2 Test Graph



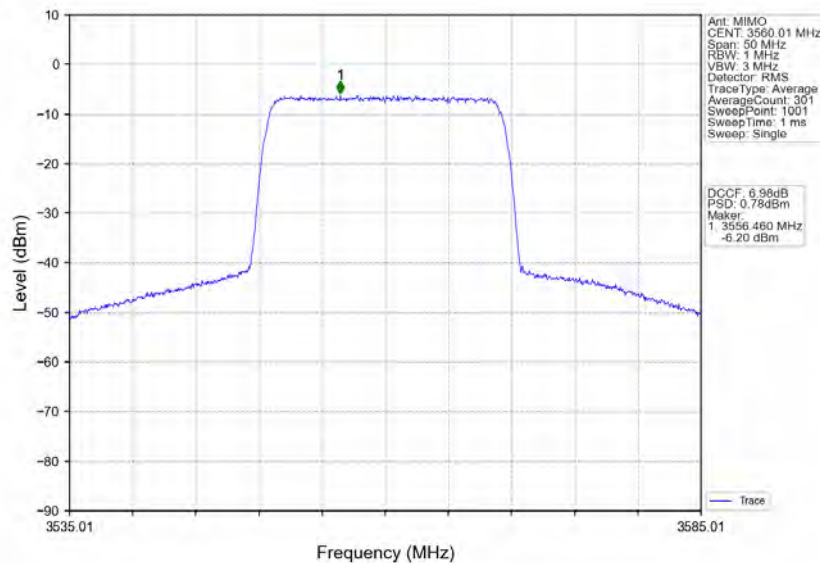
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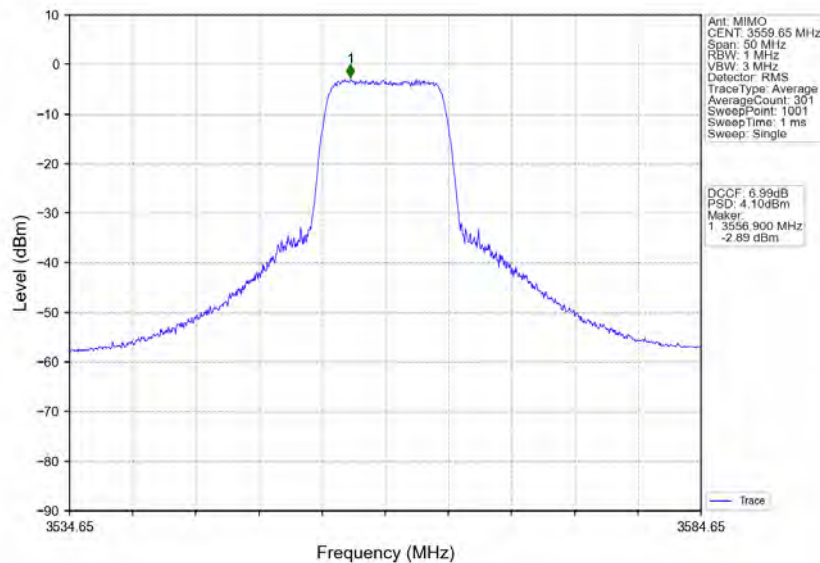
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3560.01MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3560.01MHz_Inner_Full



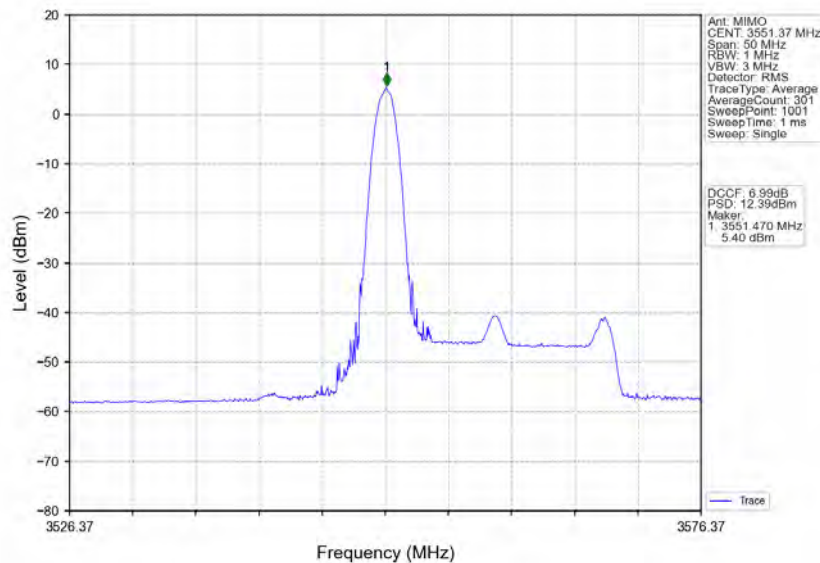
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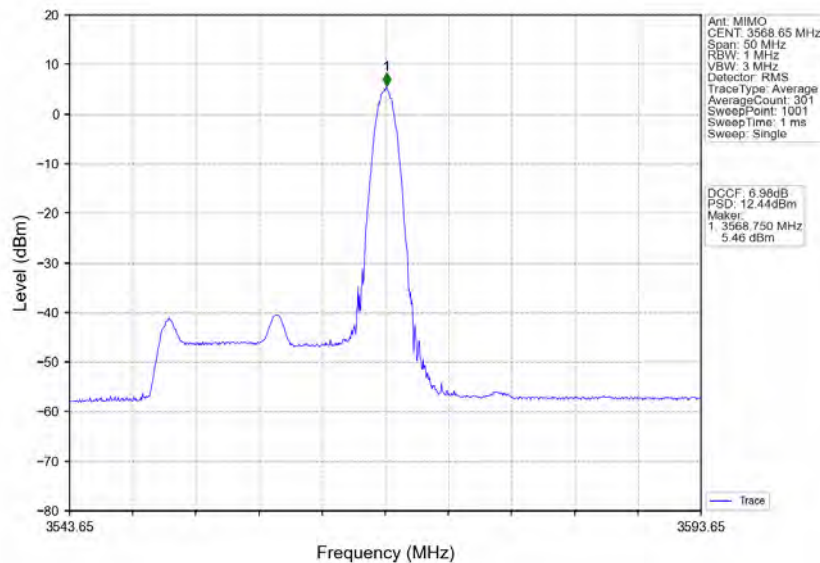
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3560.01MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3560.01MHz_Inner_1RB_Right



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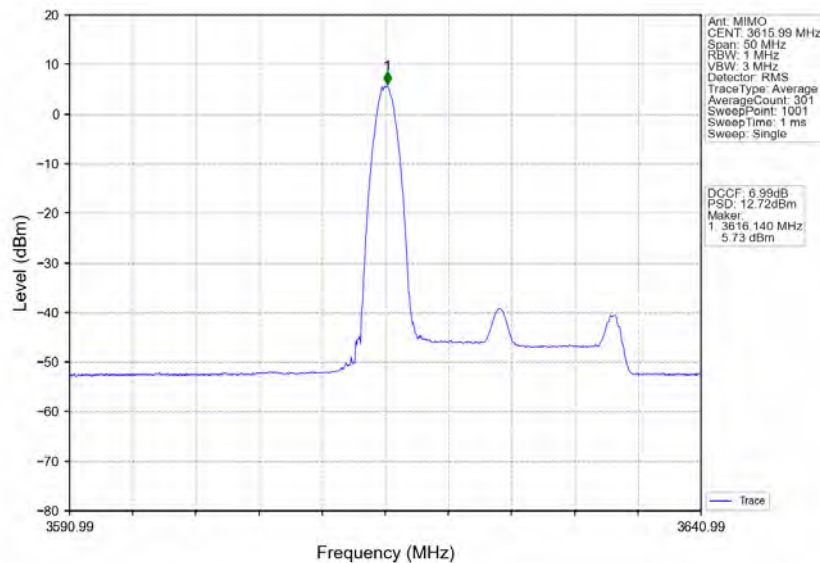
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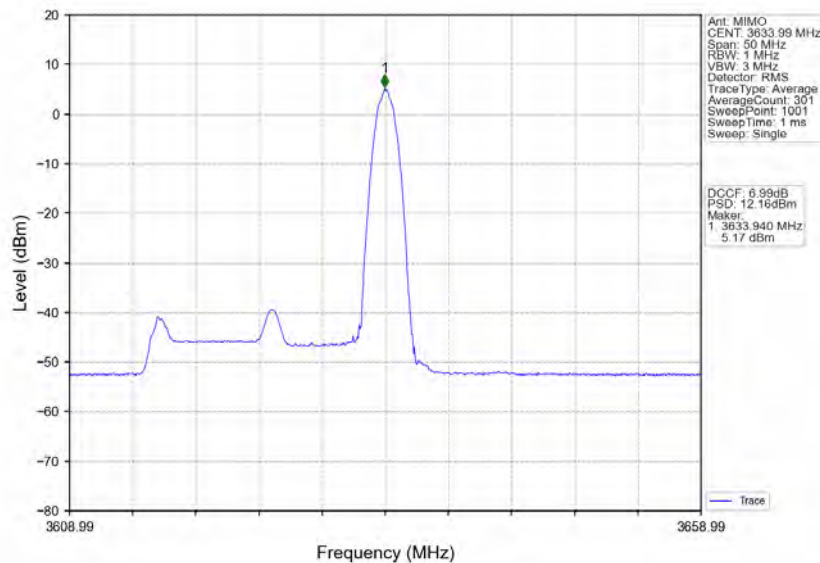
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3624.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3624.99MHz_Edge_1RB_Right



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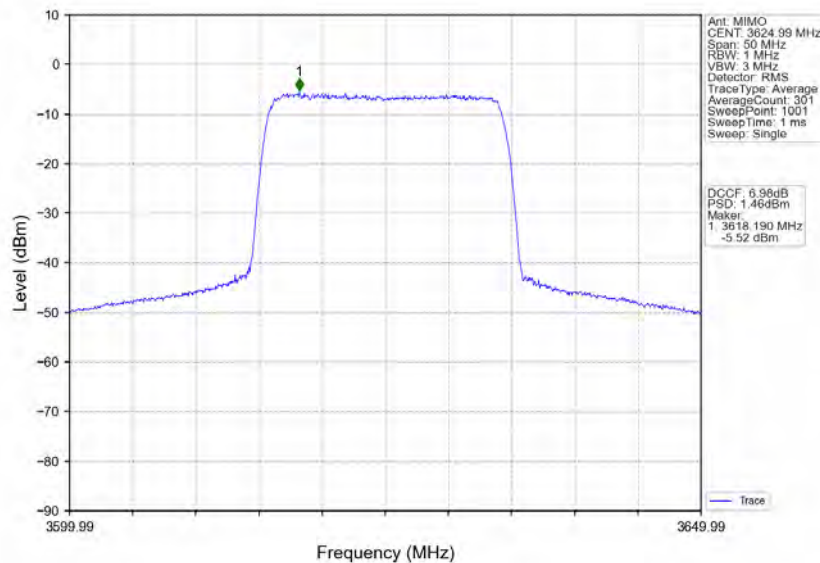
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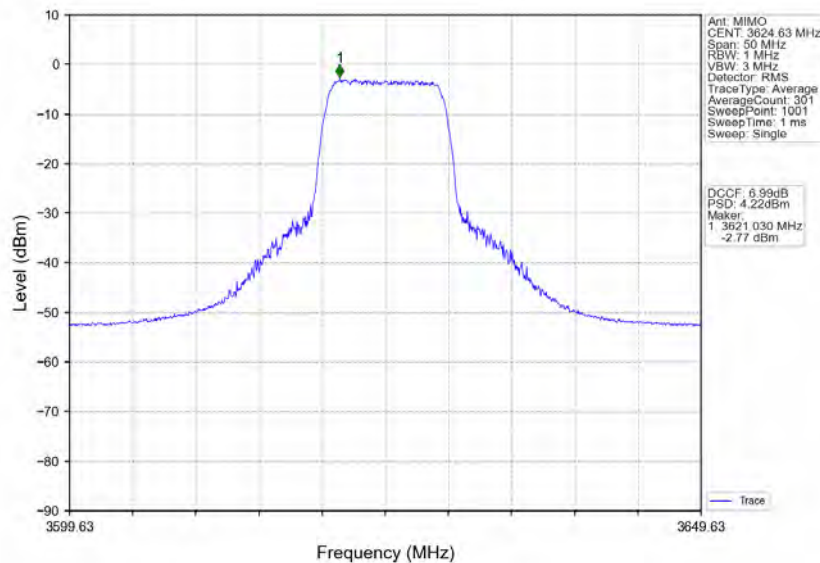
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3624.99MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3624.99MHz_Inner_Full



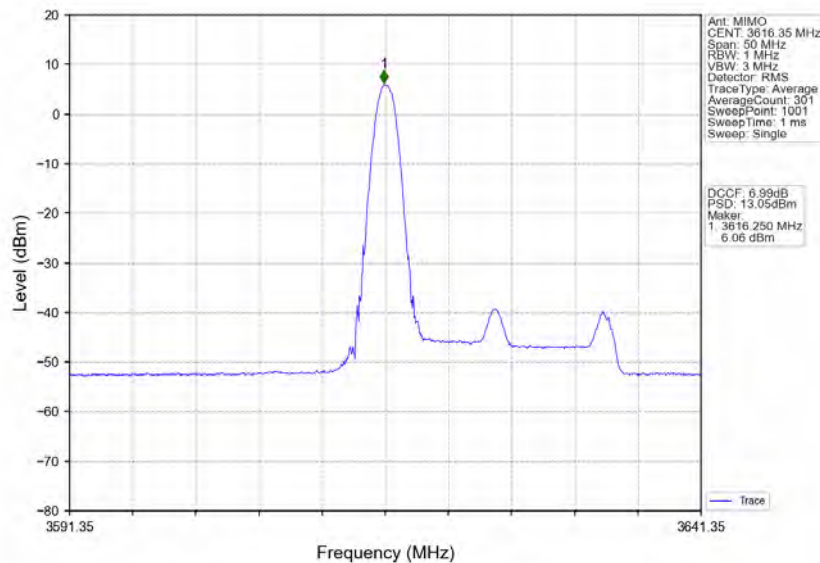
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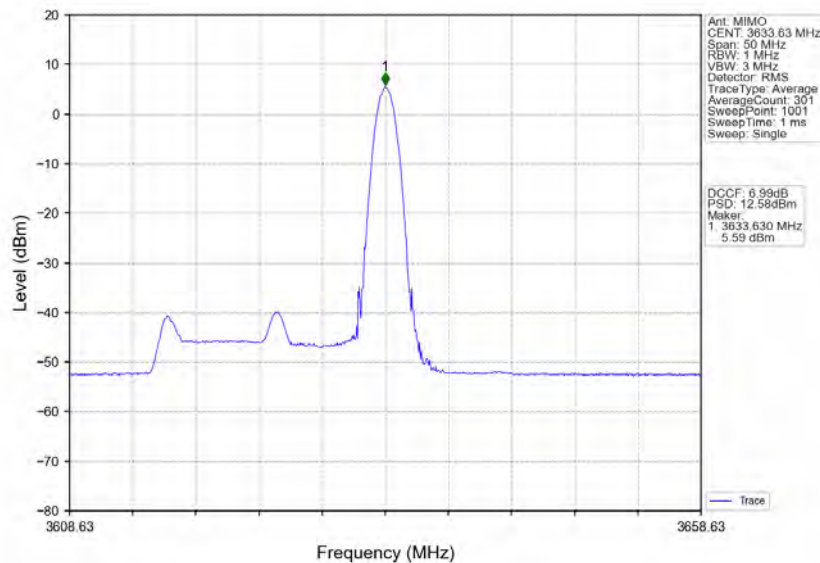
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3624.99MHz_Inner_1RB_Left



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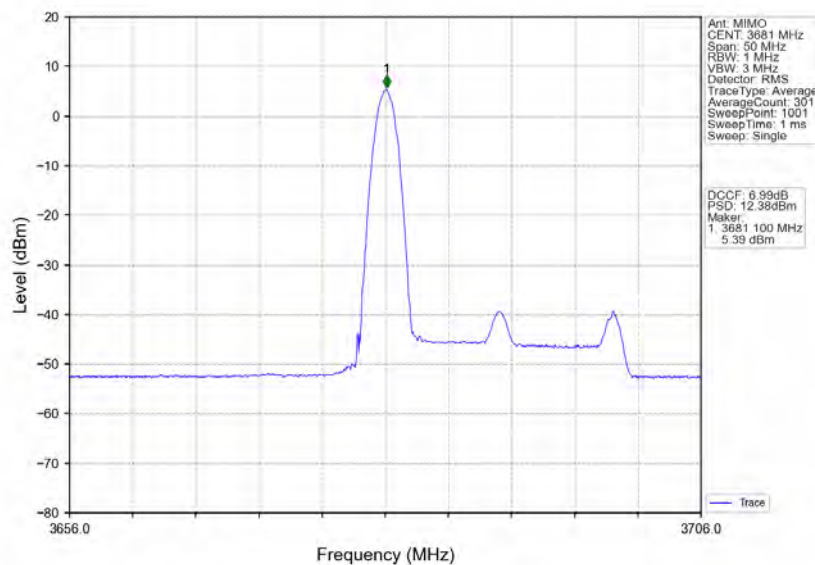
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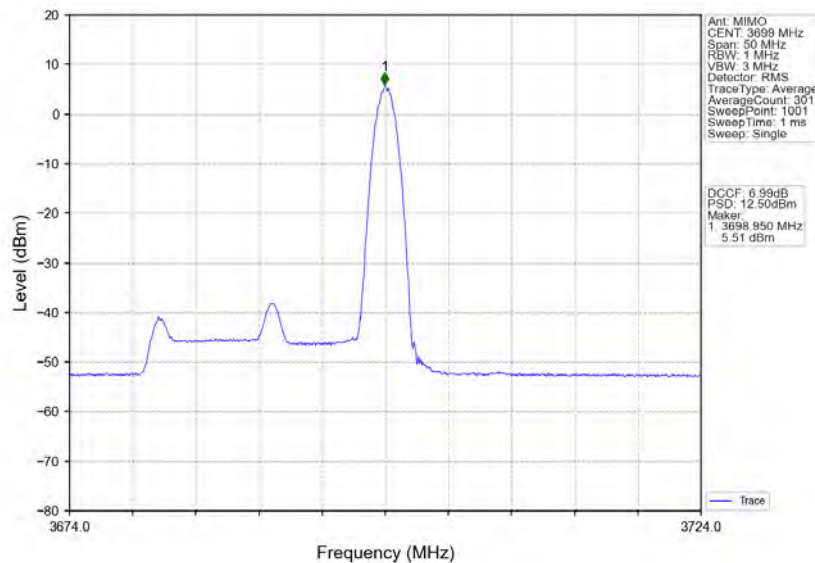
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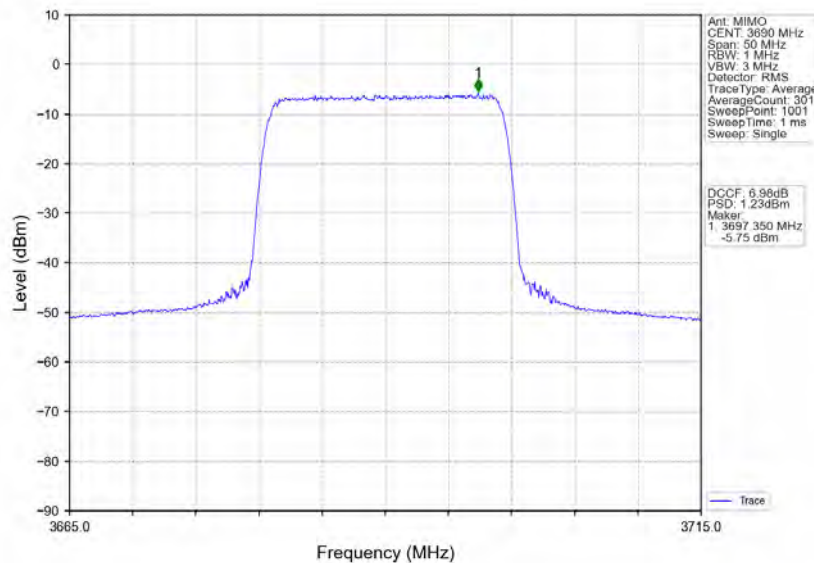
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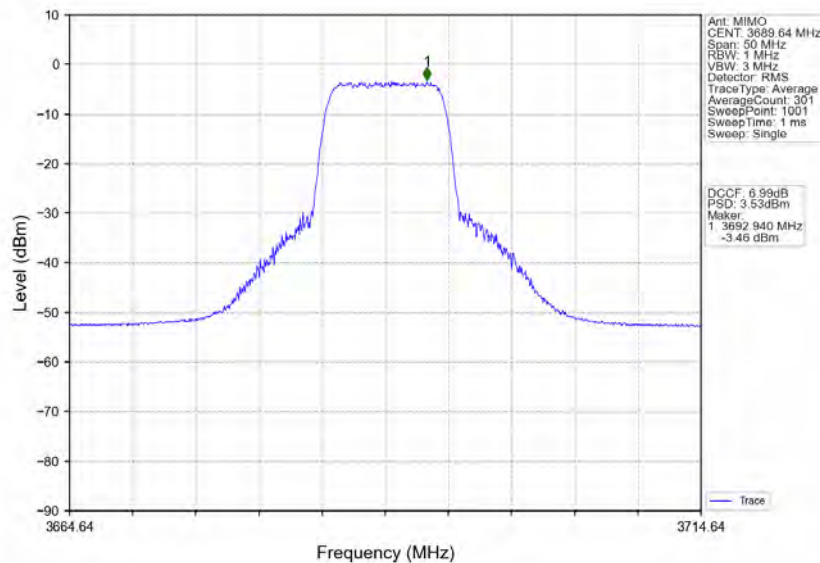
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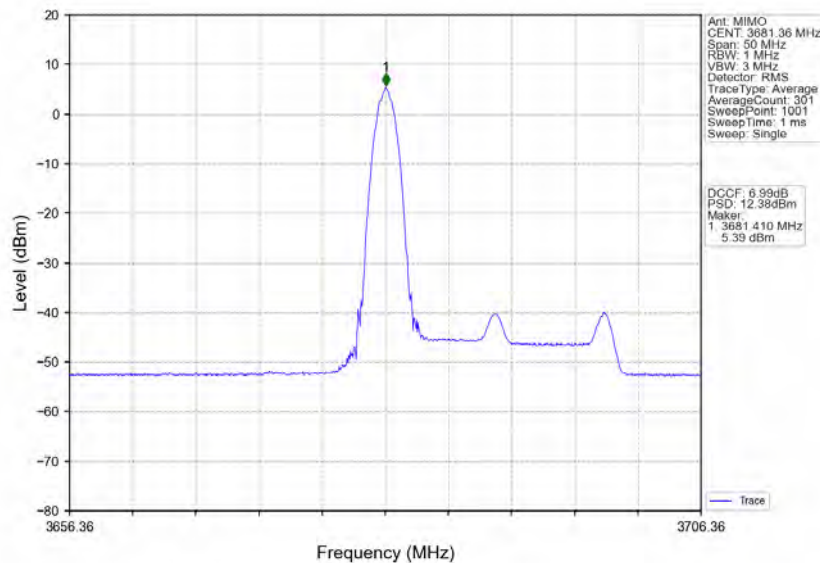
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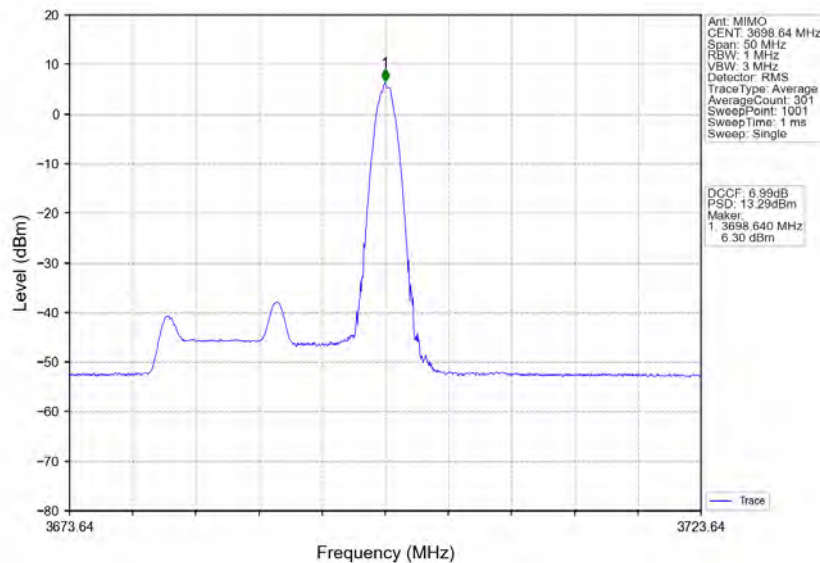
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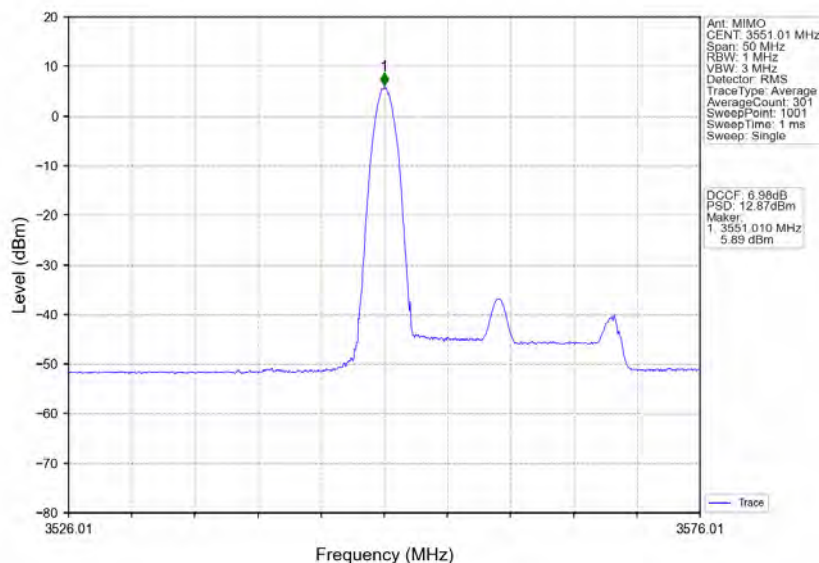
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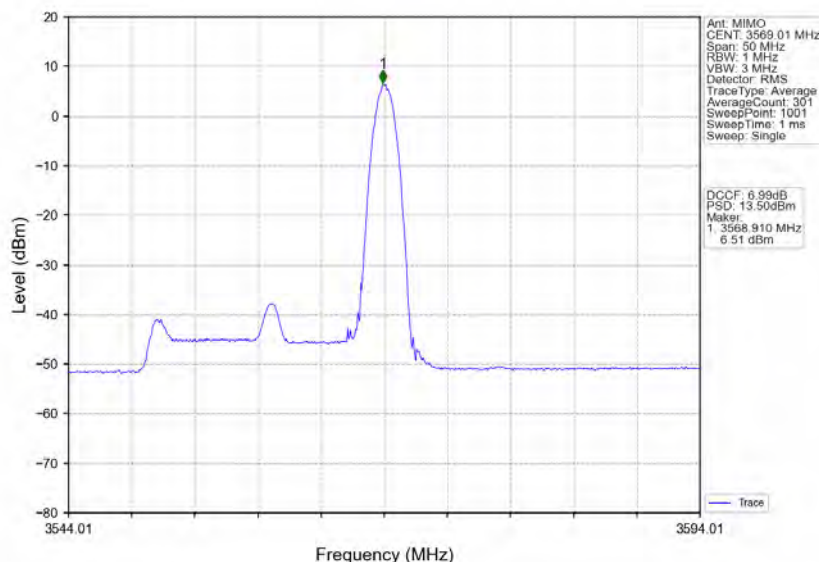
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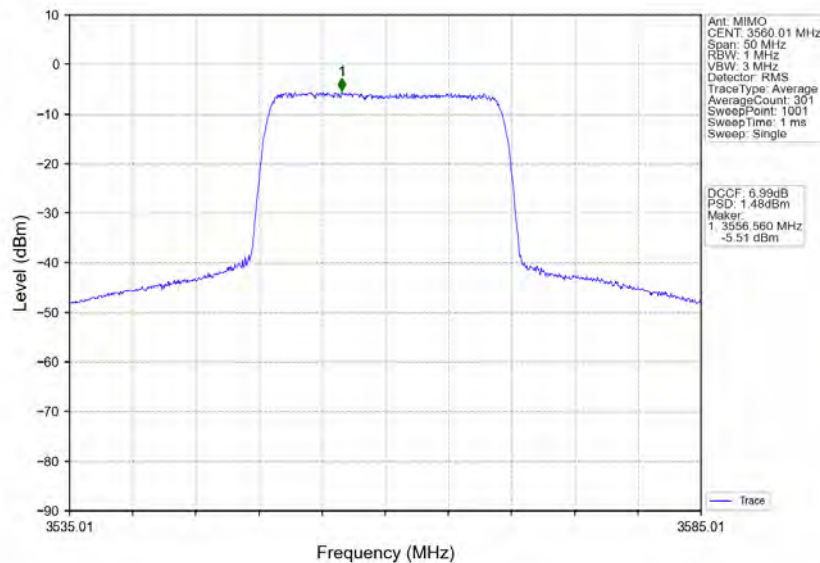
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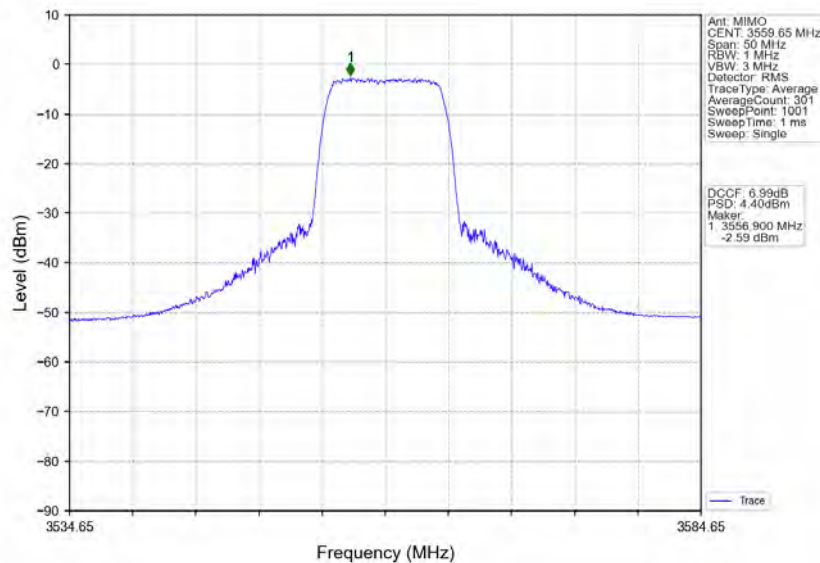
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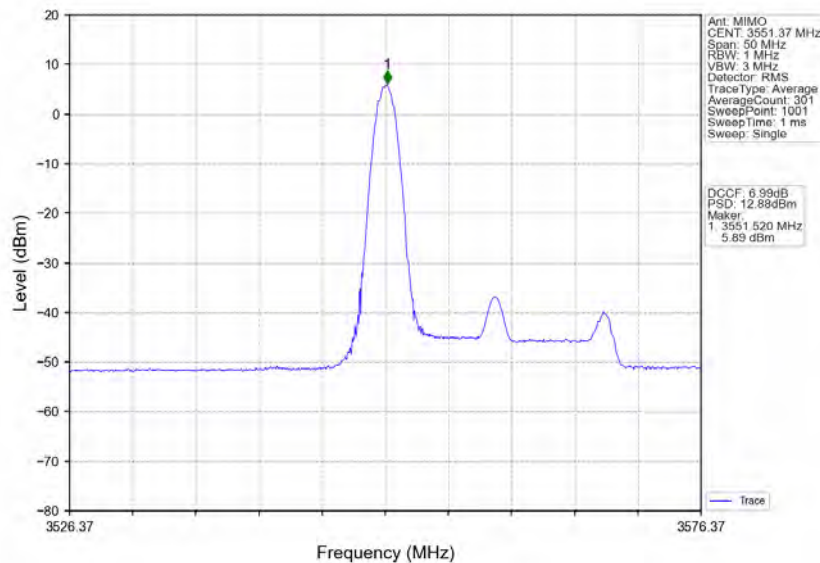
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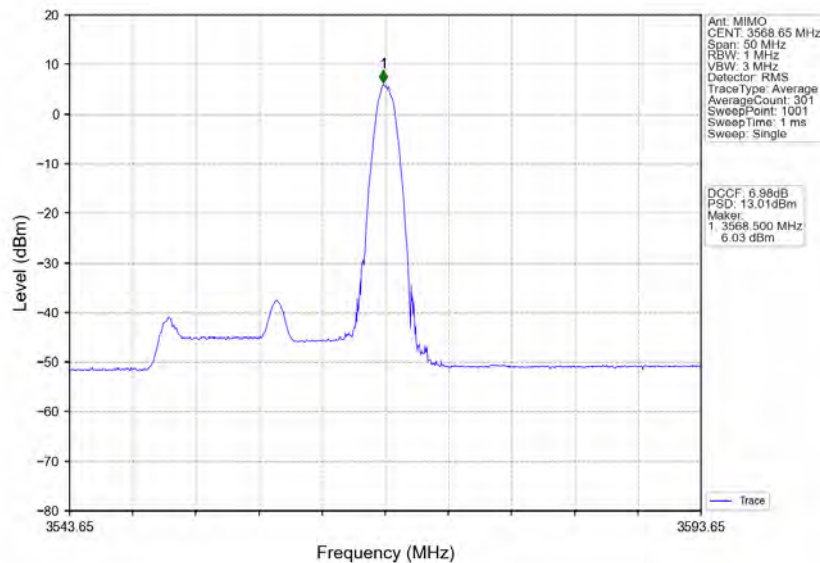
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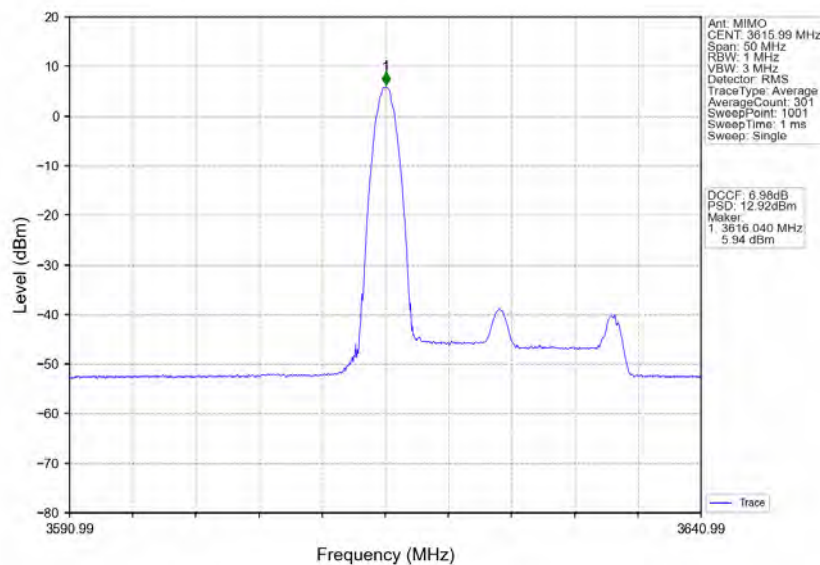
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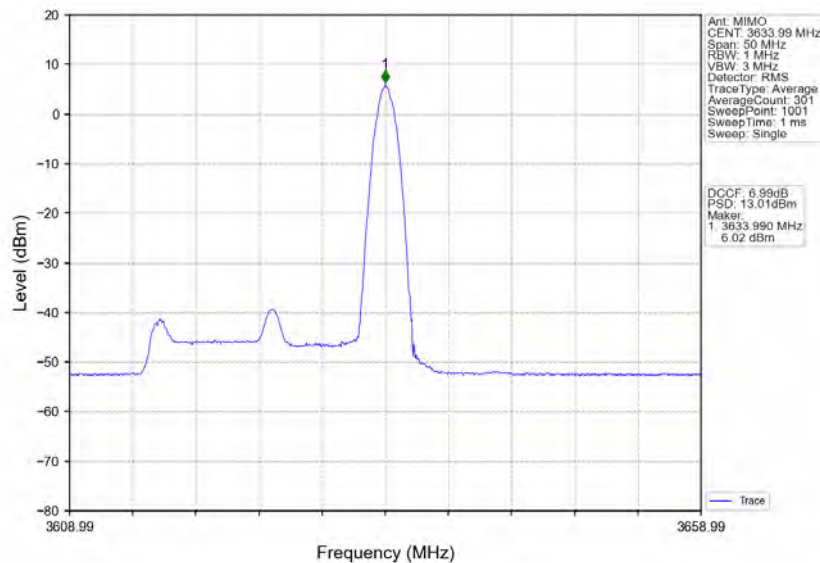
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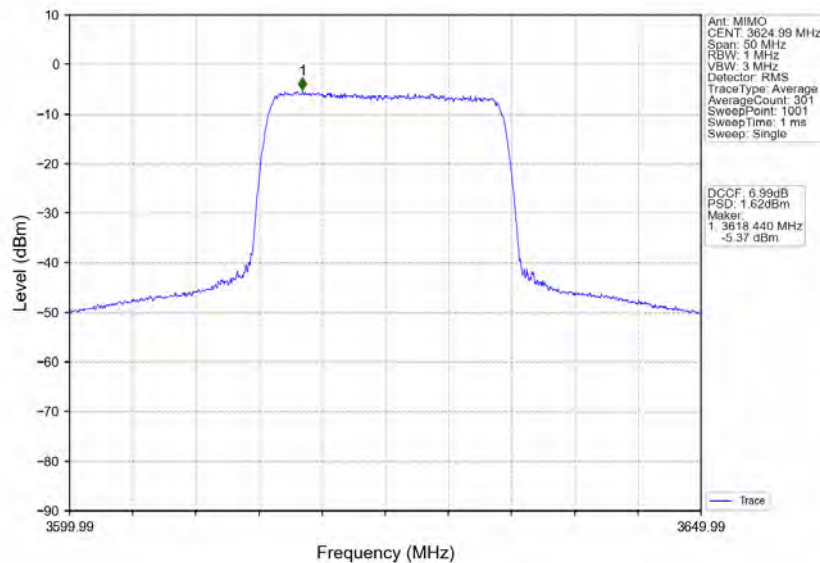
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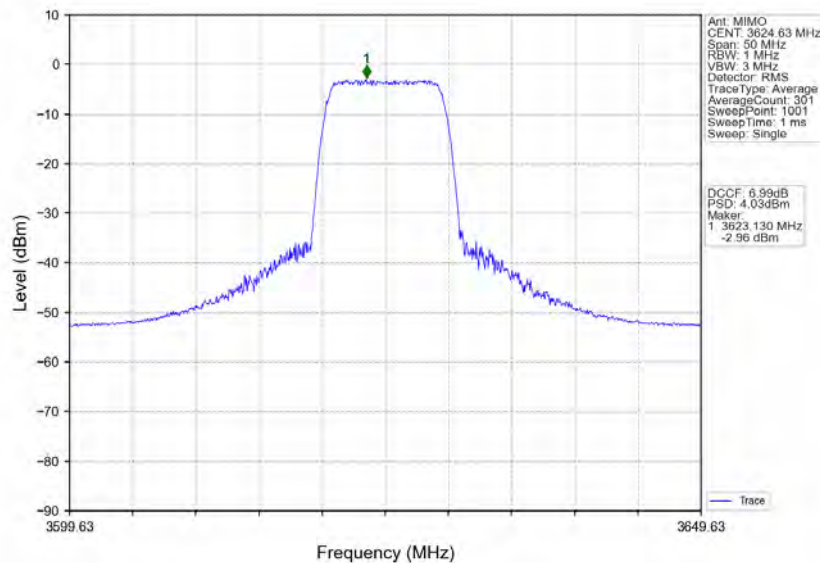
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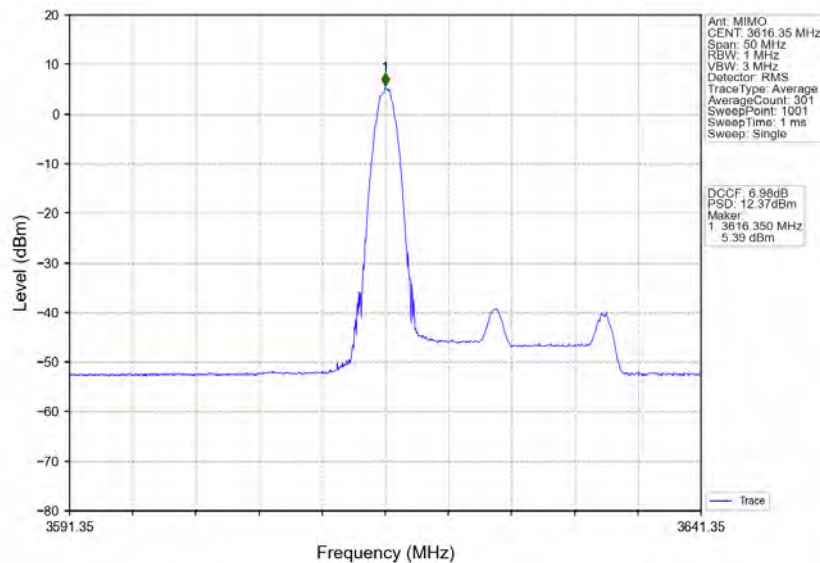
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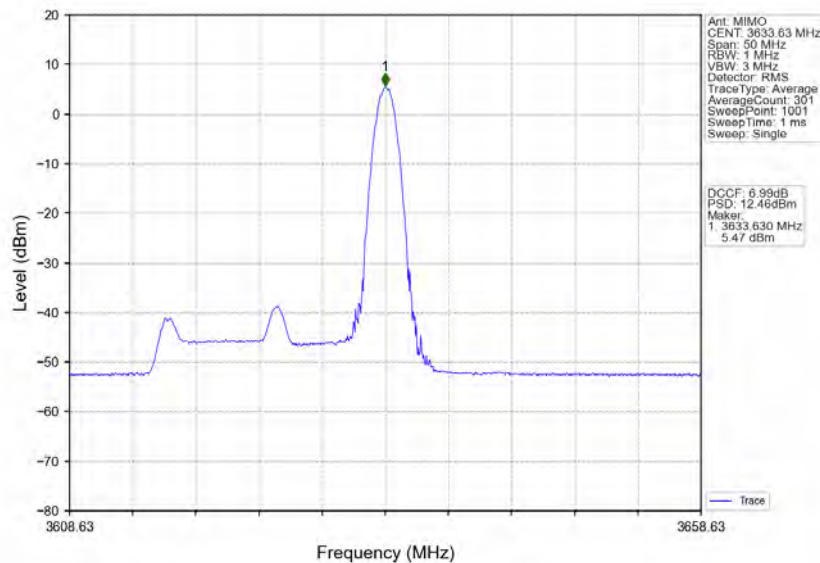
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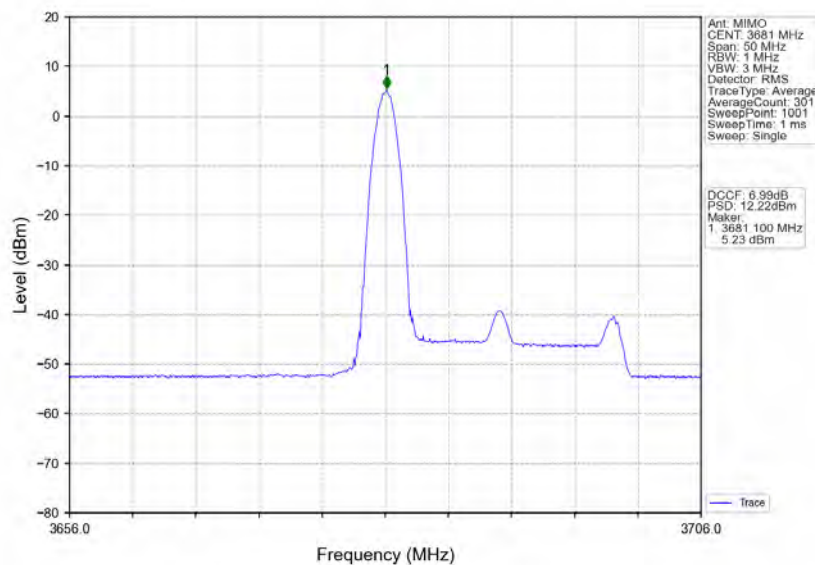
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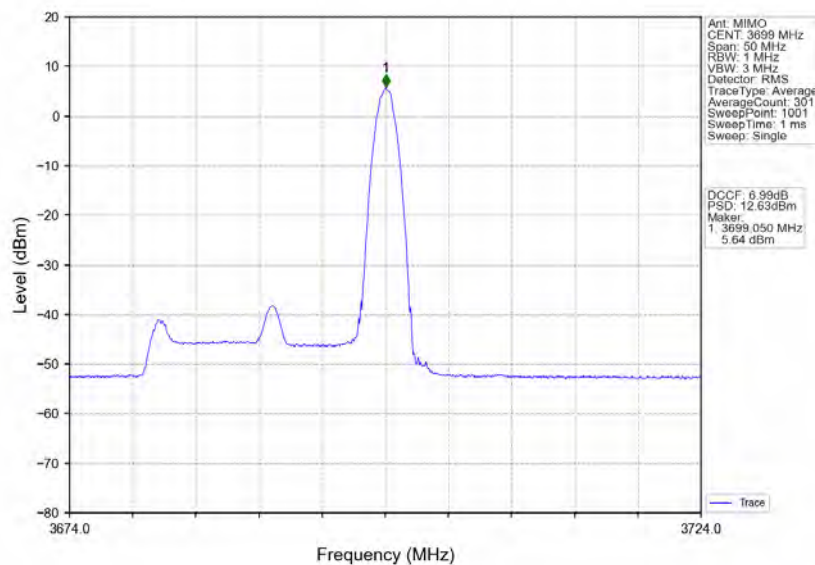
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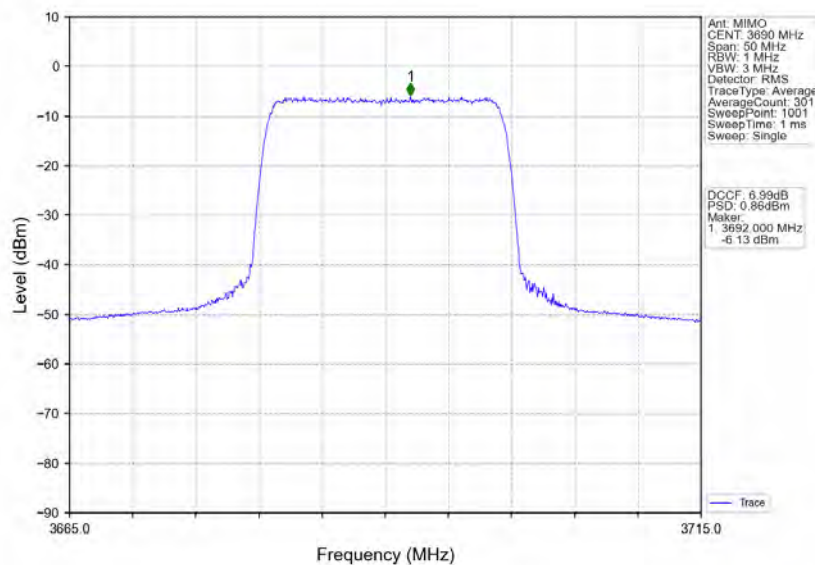
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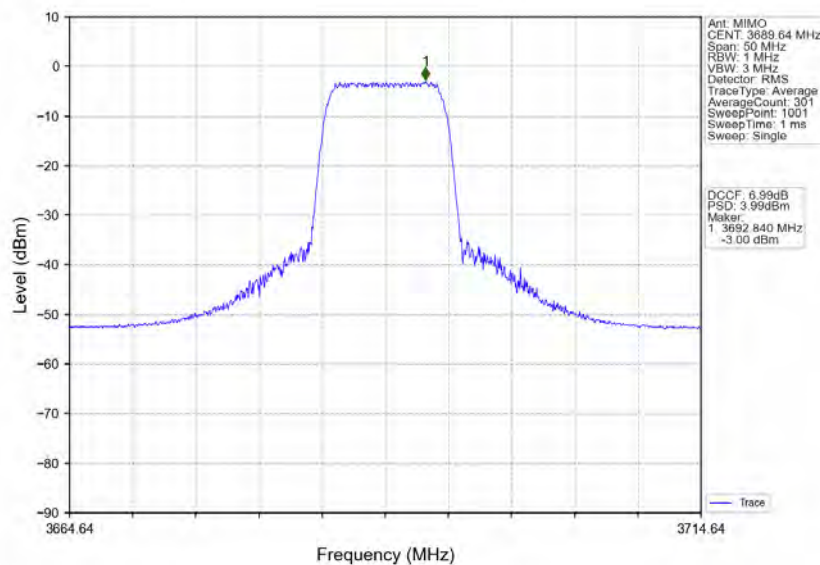
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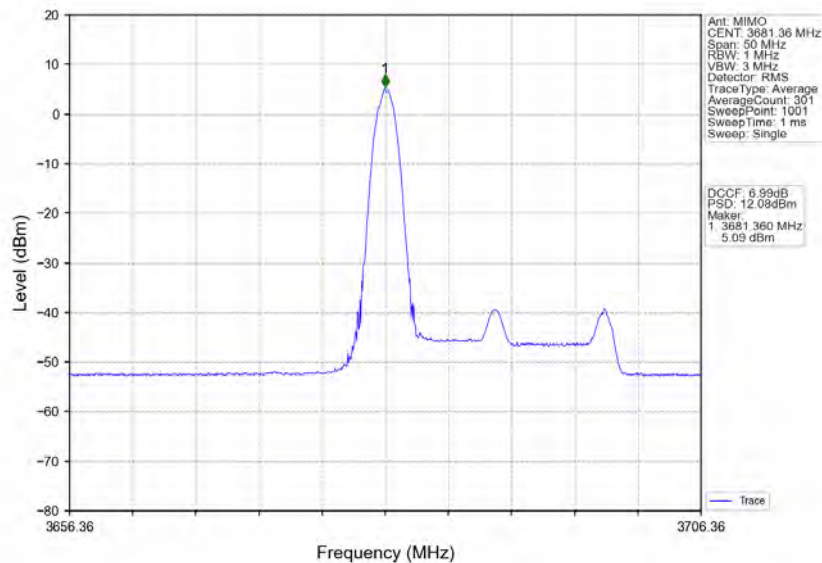
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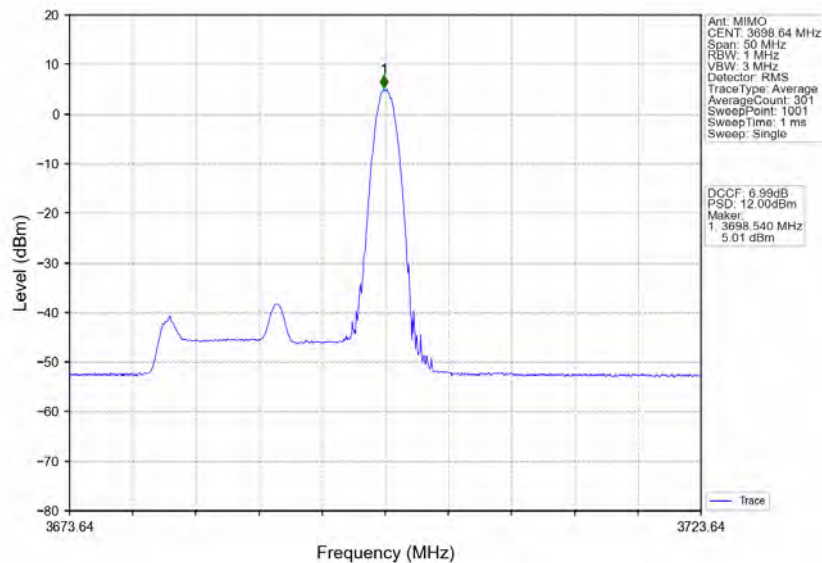
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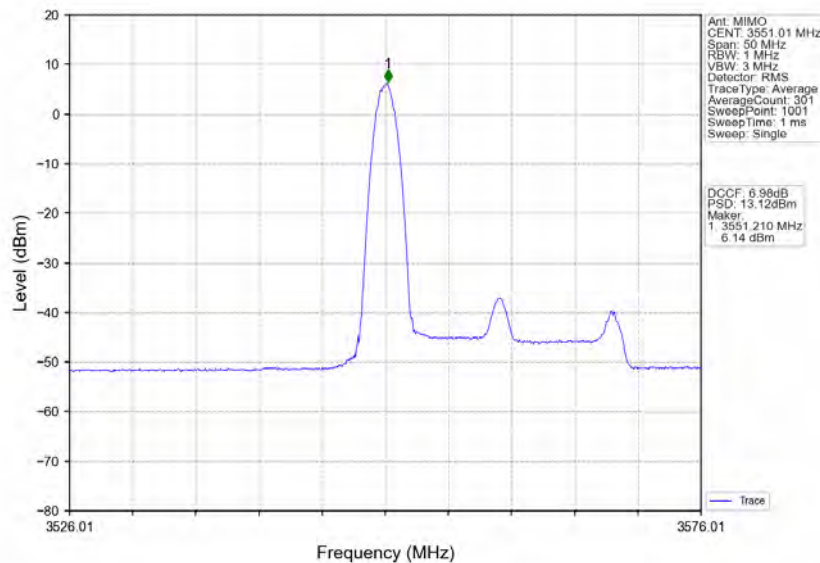
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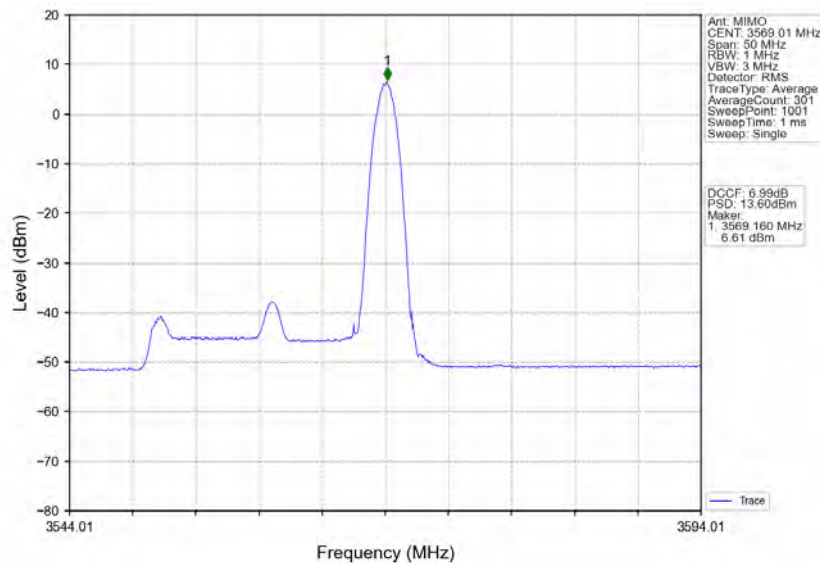
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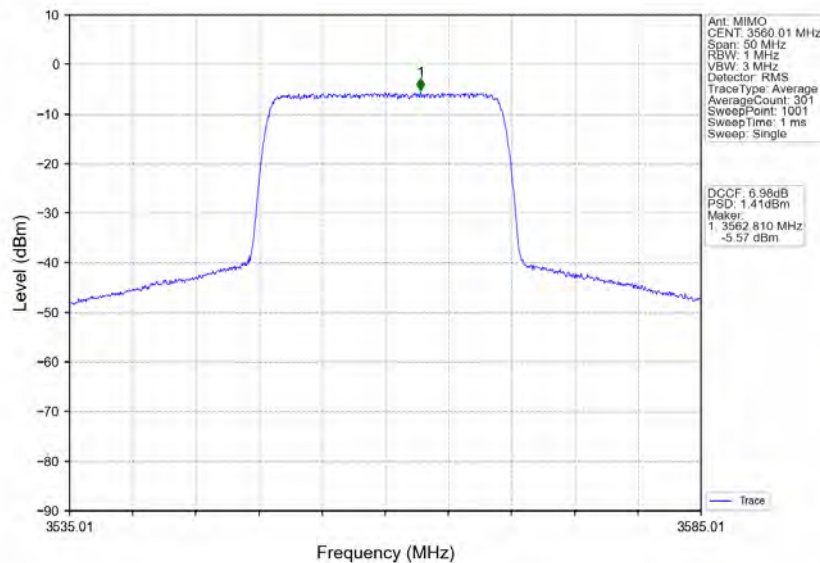
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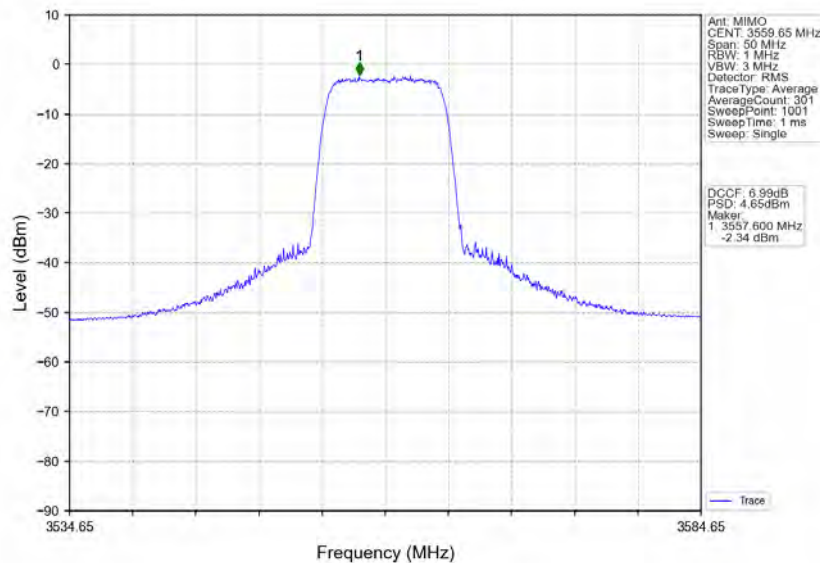
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_64_QAM_3560.01MHz_Outer_Full



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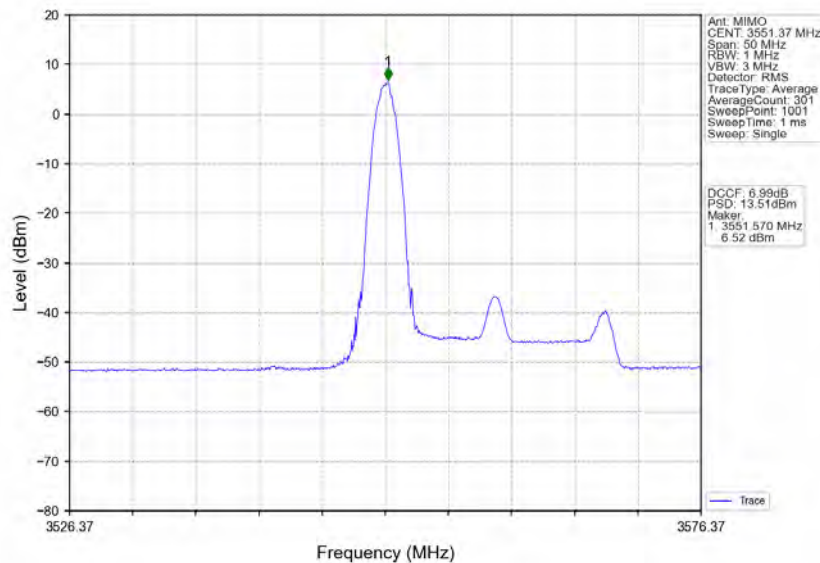
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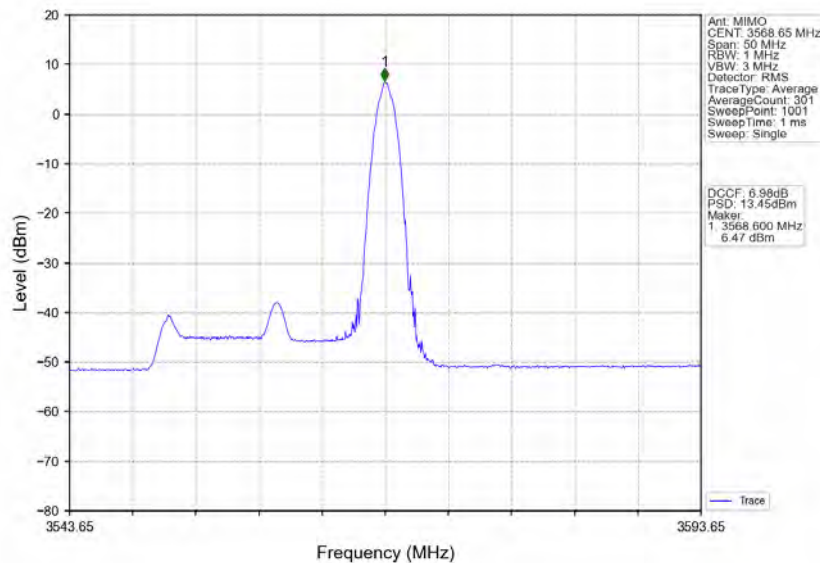
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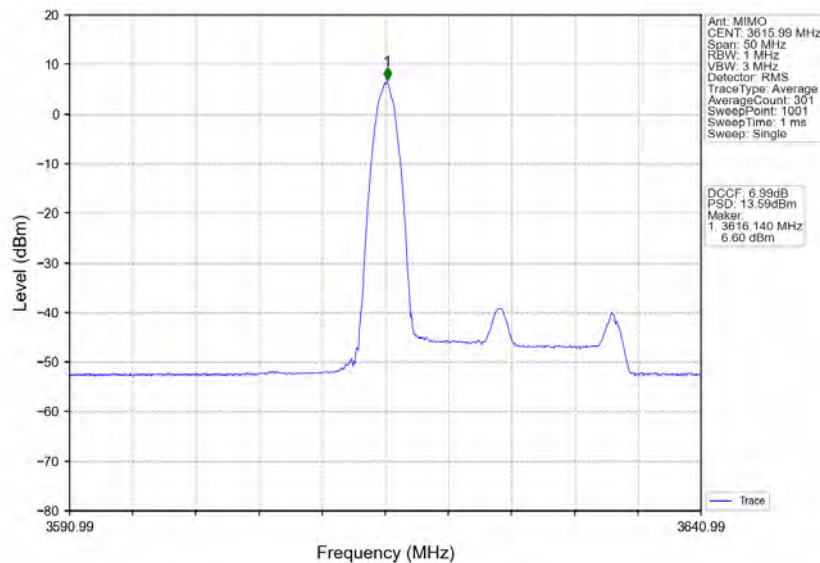
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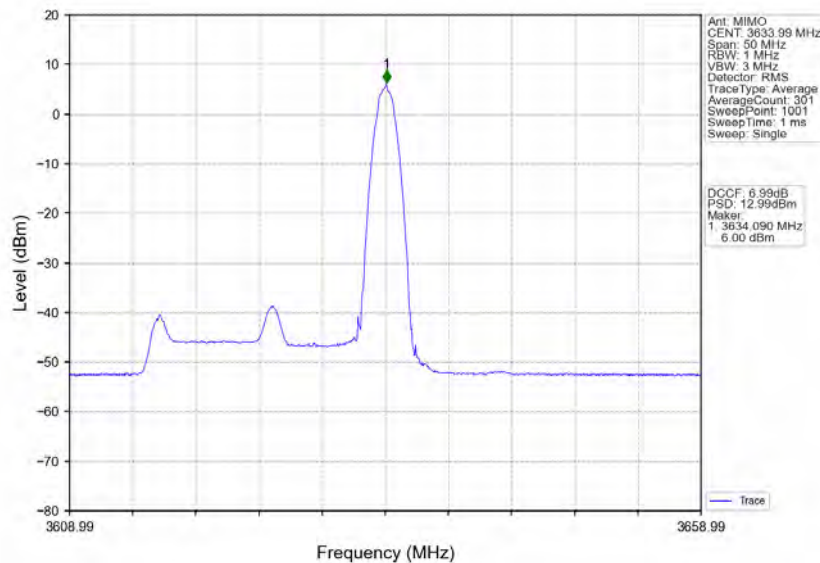
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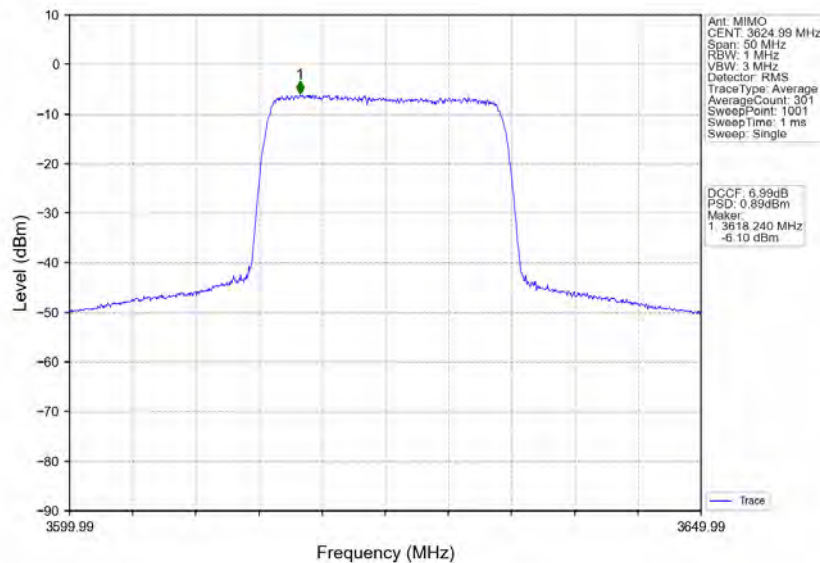
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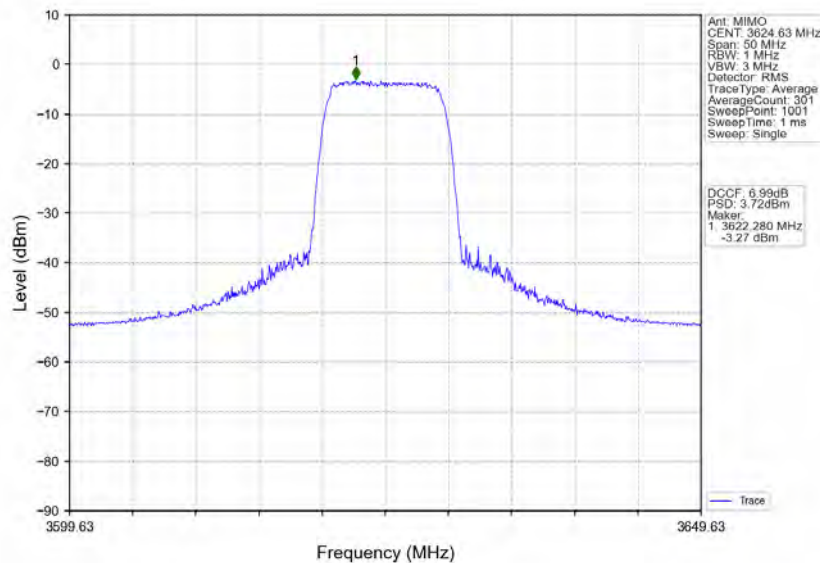
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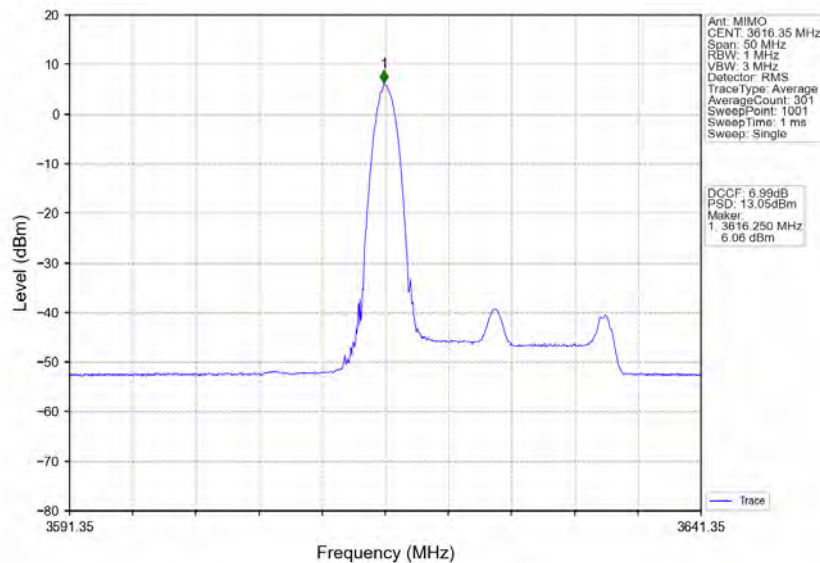
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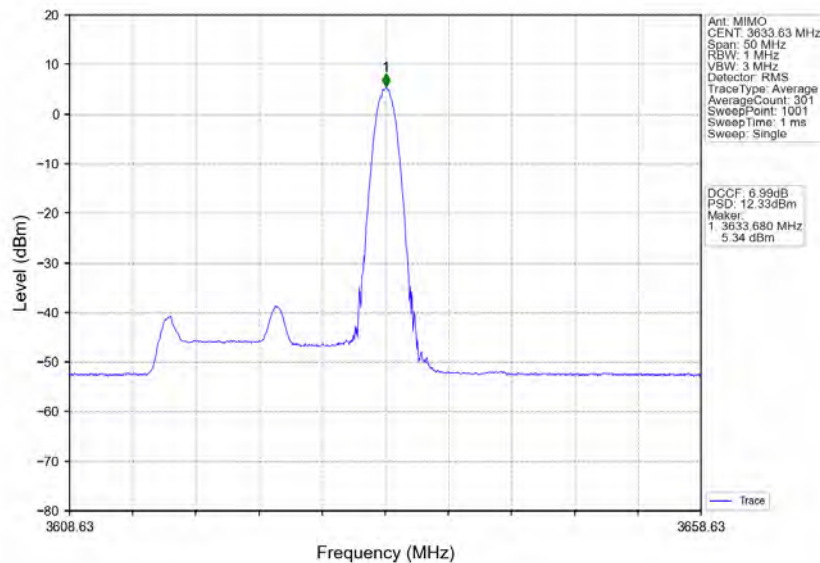
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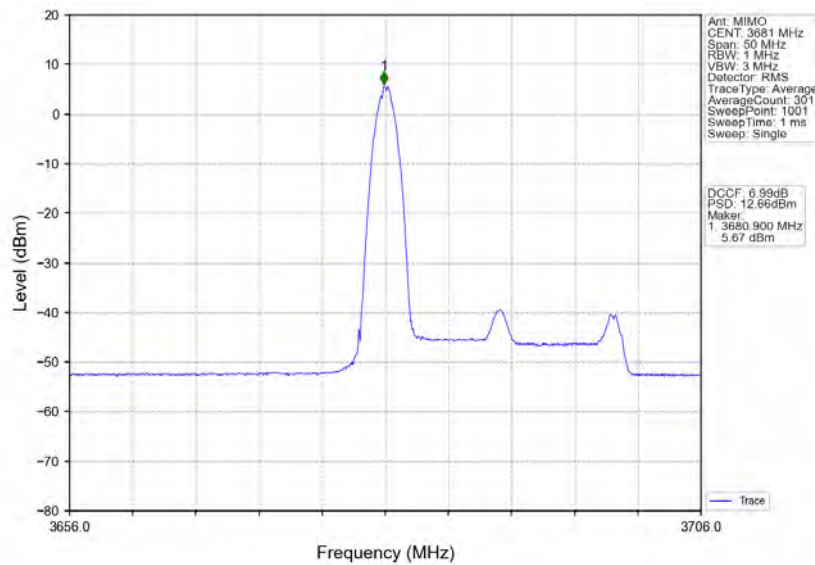
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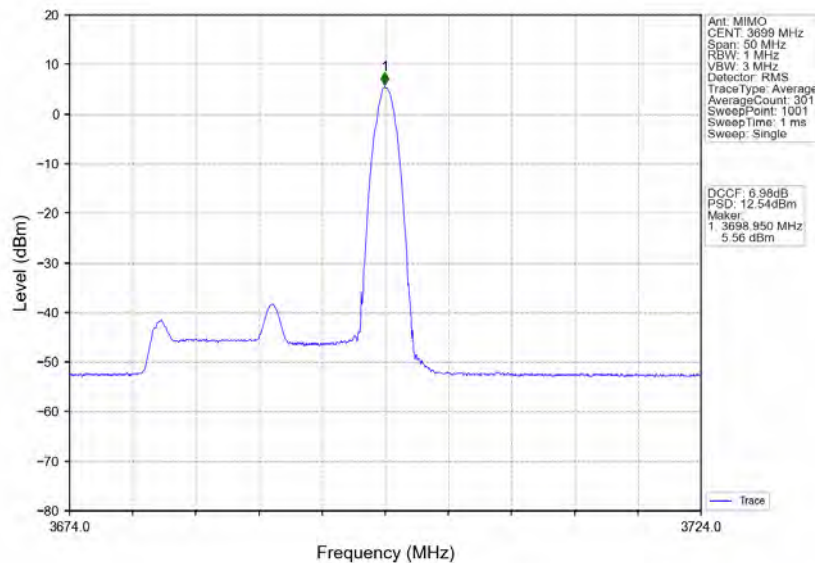
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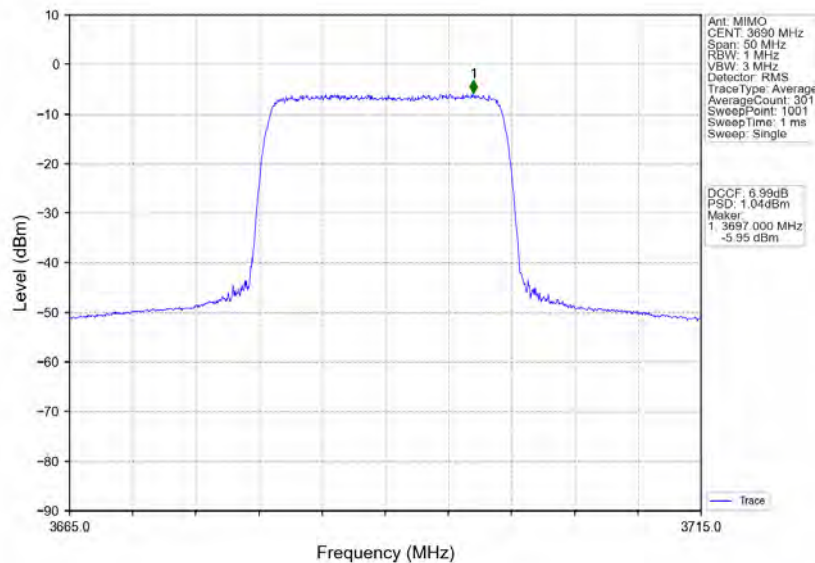
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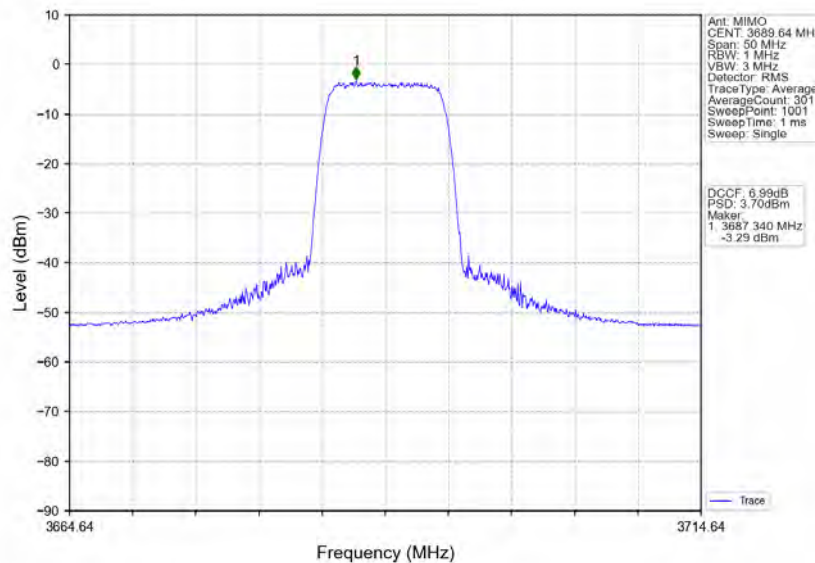
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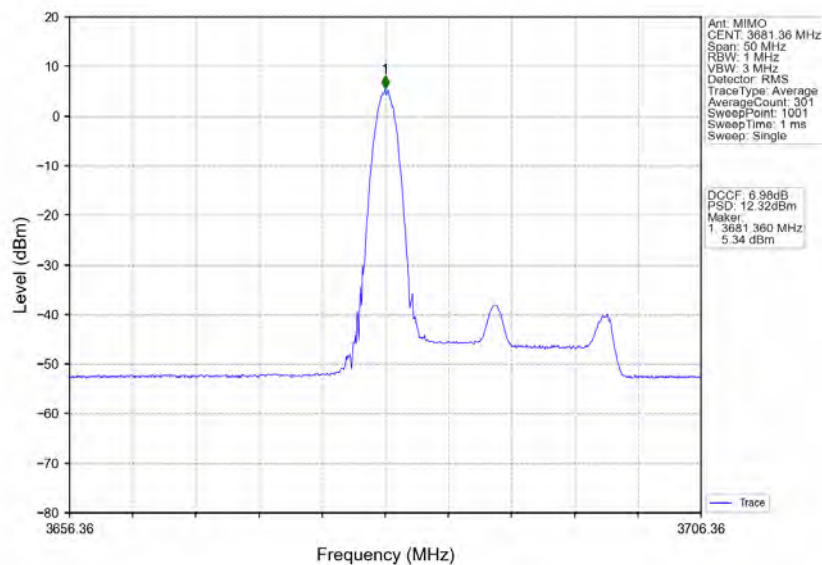
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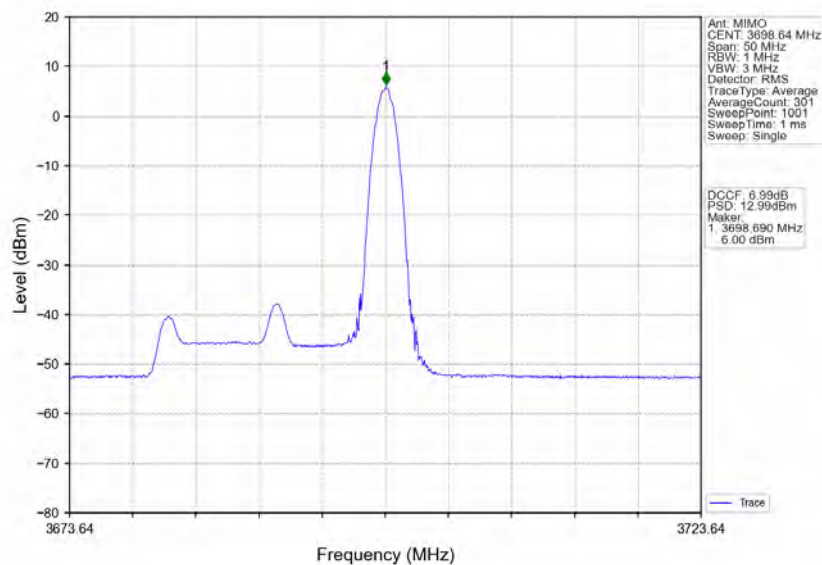
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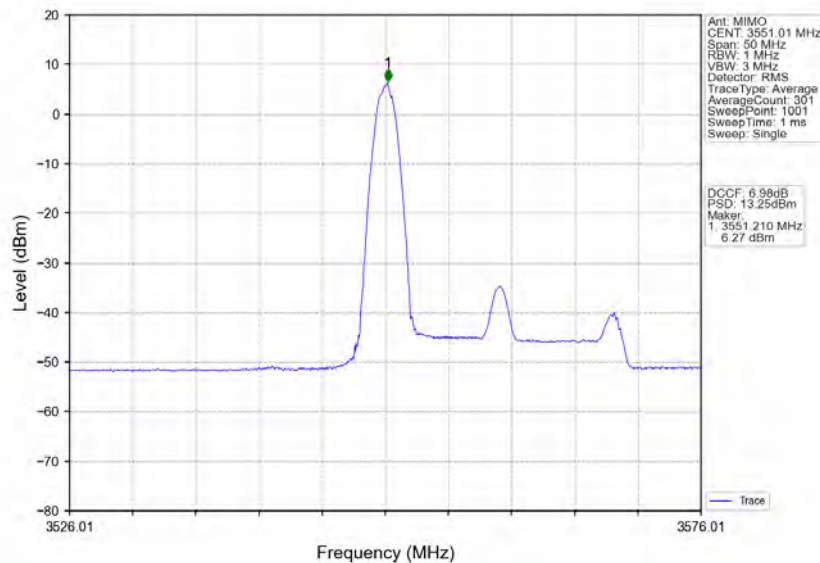
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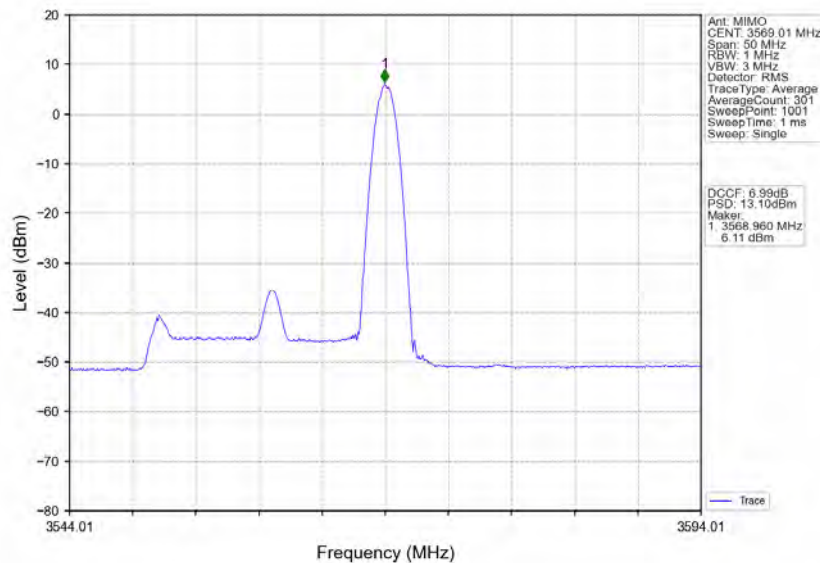
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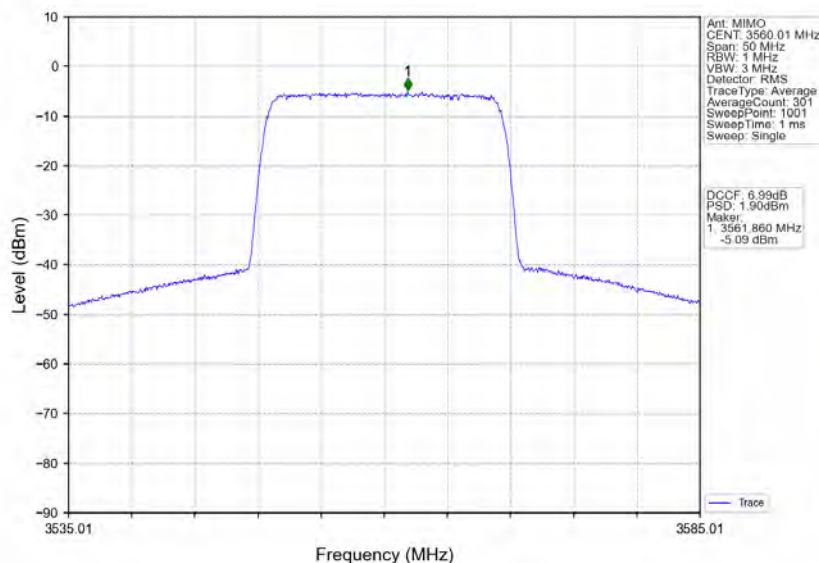
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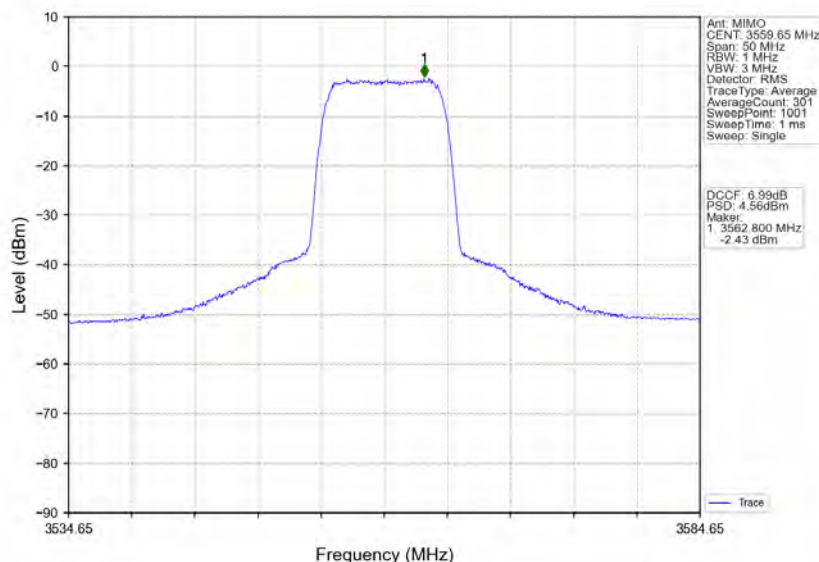
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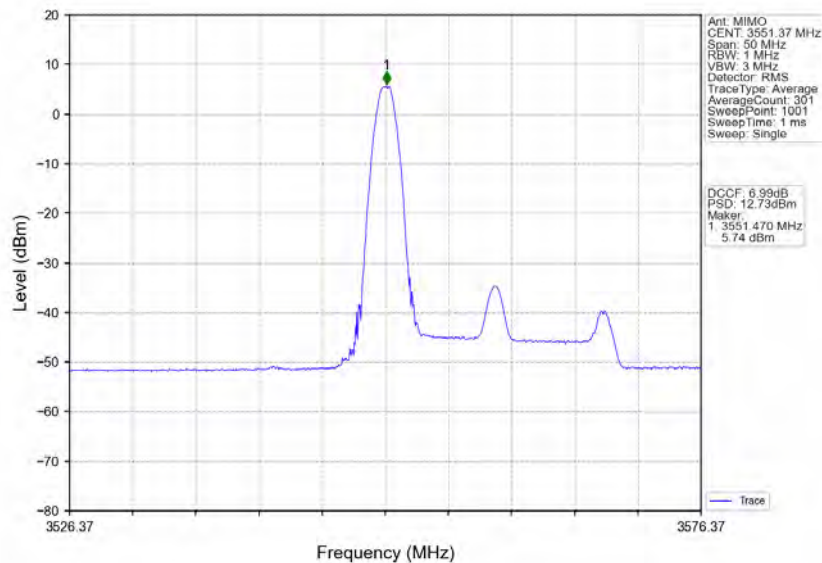
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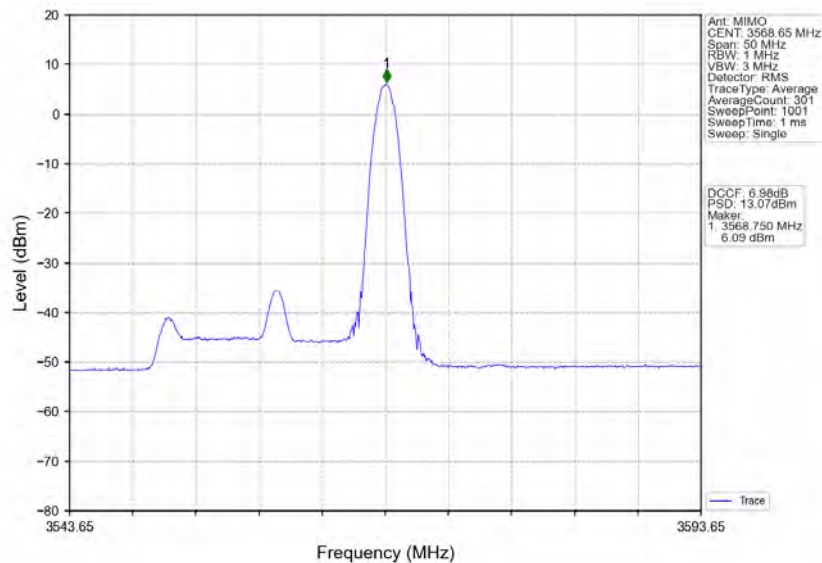
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3560.01MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3560.01MHz_Inner_1RB_Right



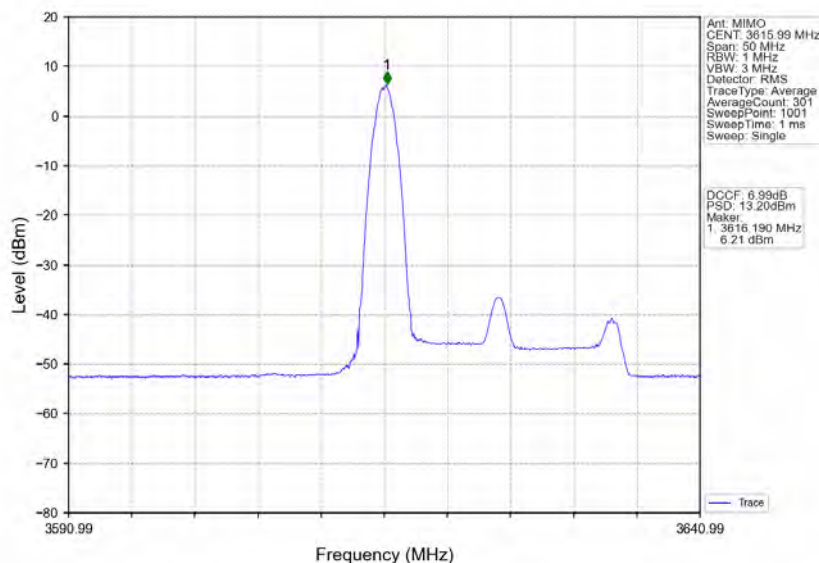
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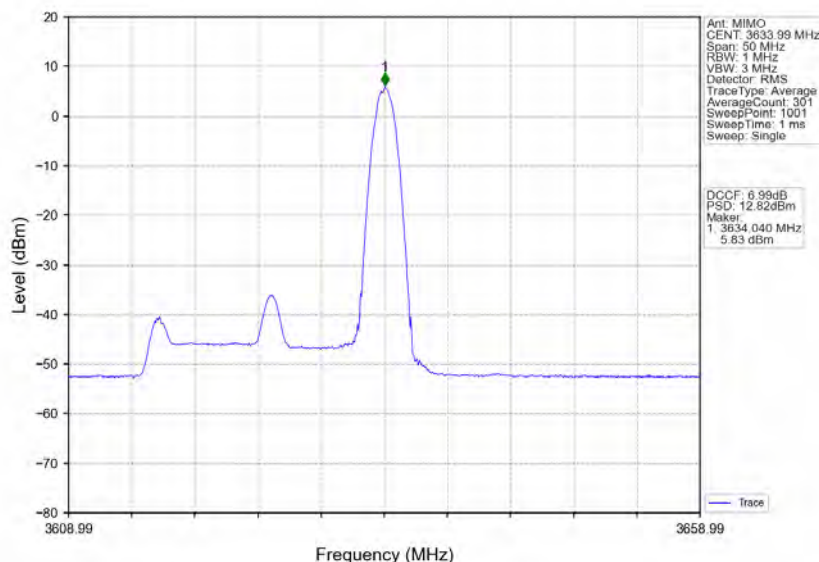
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3624.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3624.99MHz_Edge_1RB_Right



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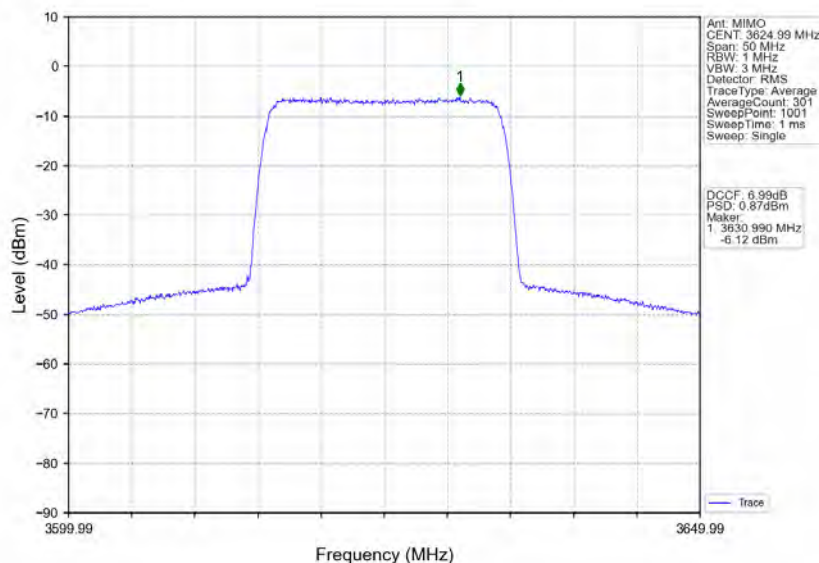
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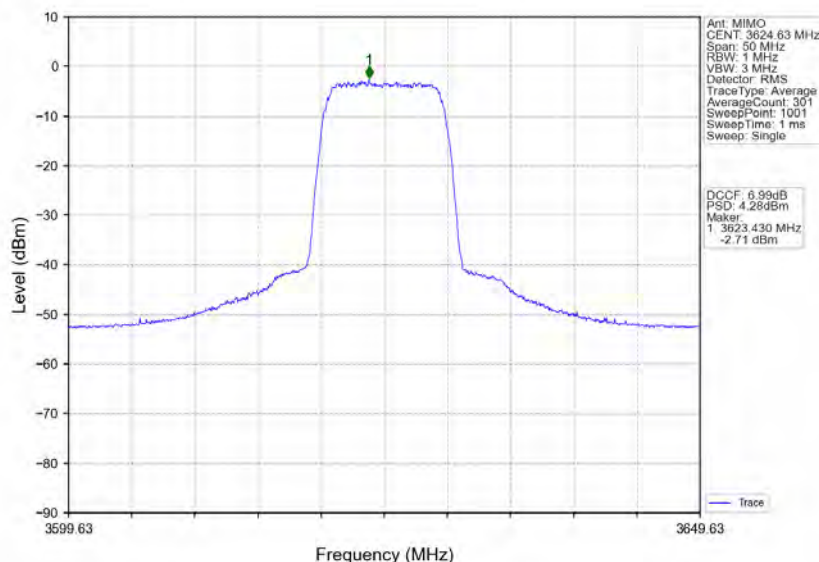
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3624.99MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3624.99MHz_Inner_Full



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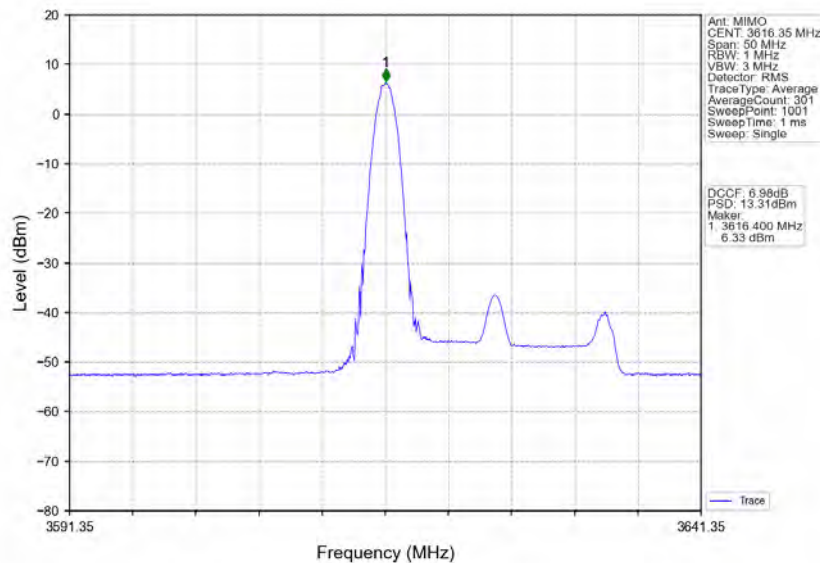
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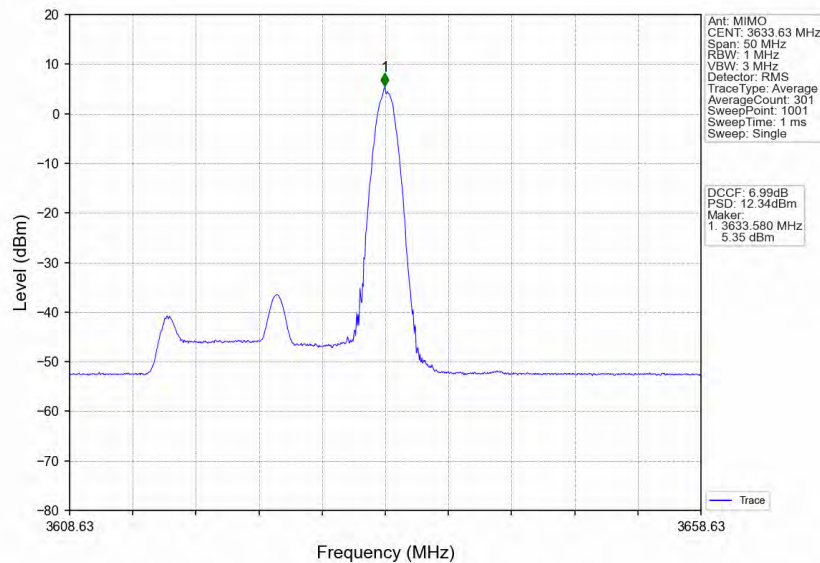
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3624.99MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3624.99MHz_Inner_1RB_Right



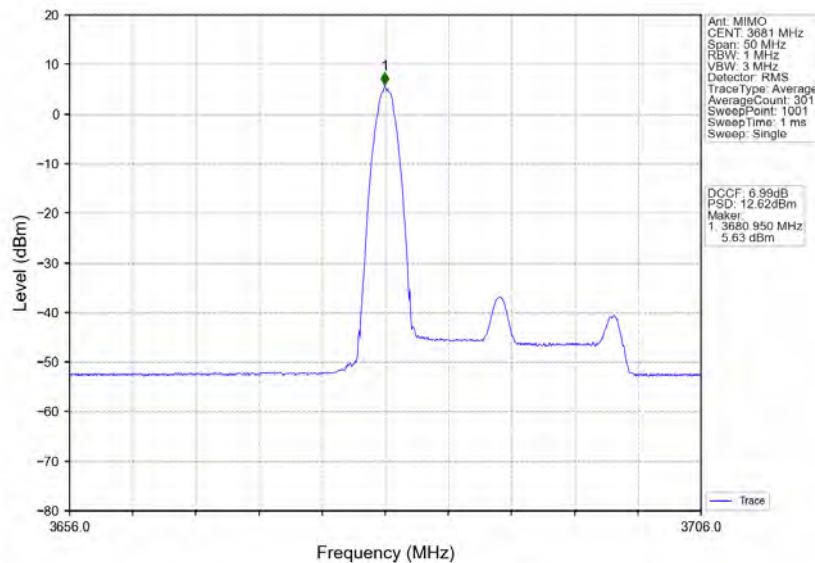
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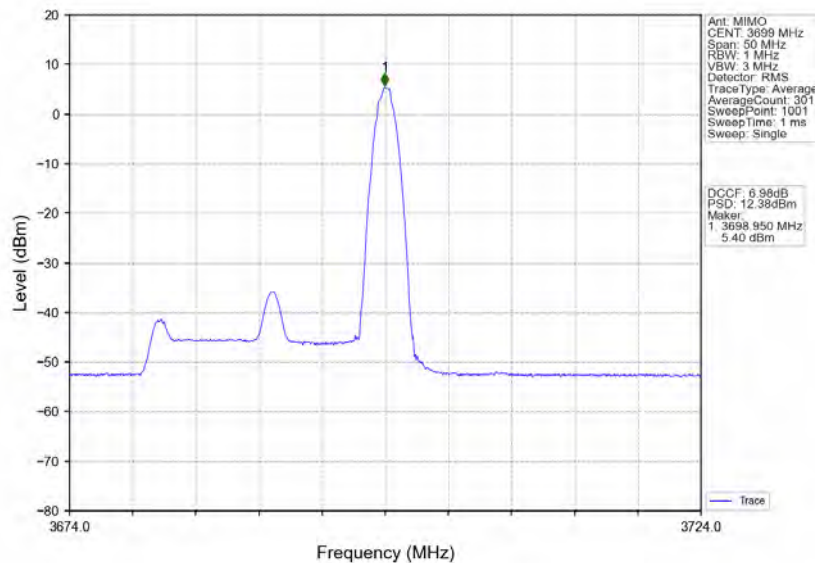
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3690MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3690MHz_Edge_1RB_Right



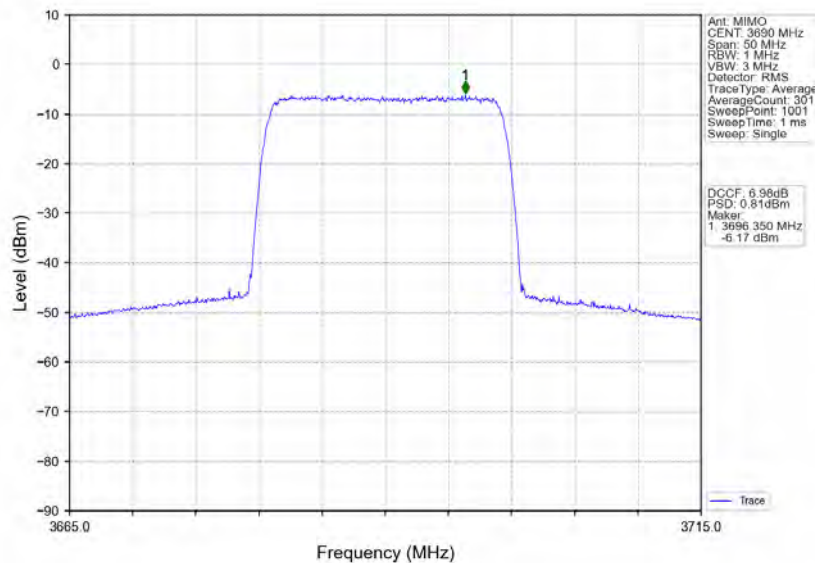
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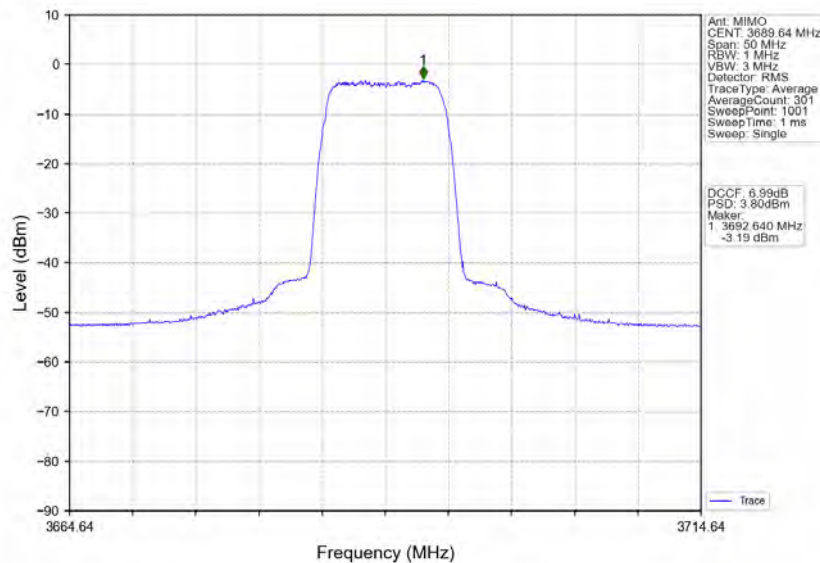
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3690MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3690MHz_Inner_Full



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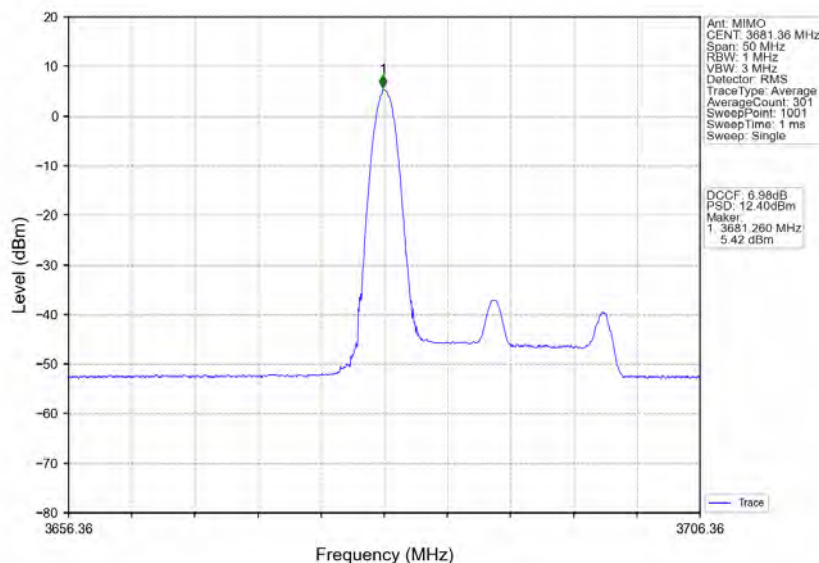
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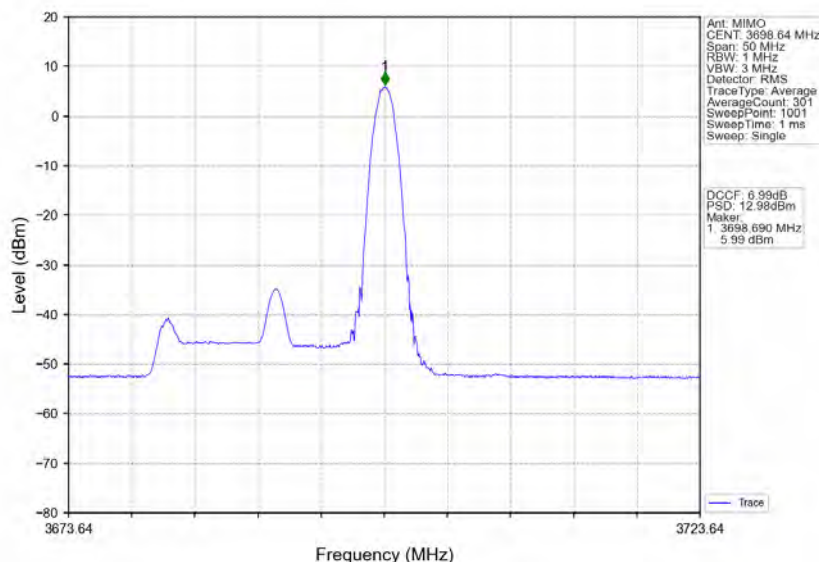
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3690MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3690MHz_Inner_1RB_Right



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2.10 30k_MIMO_30MHz_NTNV_EIRP

2.10.1 Test Result

5G NR n78d SCS=30kHz MIMO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3565.02	Edge 1RB Left	10.49	10.76	13.64	15.39	16.56	19.02	-	Pass
		Edge 1RB Right	10.51	10.84	13.69	15.41	16.64	19.08	-	Pass
		Outer Full	10.50	10.49	13.51	15.40	16.29	18.88	-	Pass
		Inner Full	10.49	10.38	13.45	15.39	16.18	18.81	-	Pass
		Inner 1RB Left	10.51	10.72	13.63	15.41	16.52	19.01	-	Pass
		Inner 1RB Right	10.61	10.93	13.78	15.51	16.73	19.17	-	Pass
	3624.99	Edge 1RB Left	10.71	11.01	13.87	15.61	16.81	19.26	-	Pass
		Edge 1RB Right	10.43	10.94	13.70	15.33	16.74	19.10	-	Pass
		Outer Full	10.57	10.90	13.75	15.47	16.70	19.14	-	Pass
		Inner Full	10.56	10.94	13.76	15.46	16.74	19.16	-	Pass
		Inner 1RB Left	10.66	11.06	13.88	15.56	16.86	19.27	-	Pass
		Inner 1RB Right	10.47	11.10	13.81	15.37	16.90	19.21	-	Pass
	3684.99	Edge 1RB Left	10.49	10.93	13.72	15.39	16.73	19.12	-	Pass
		Edge 1RB Right	10.65	10.89	13.78	15.55	16.69	19.17	-	Pass
		Outer Full	10.44	10.75	13.61	15.34	16.55	19.00	-	Pass
		Inner Full	10.32	10.75	13.55	15.22	16.55	18.95	-	Pass
		Inner 1RB Left	10.53	11.02	13.79	15.43	16.82	19.19	-	Pass
		Inner 1RB Right	10.55	11.06	13.82	15.45	16.86	19.22	-	Pass
CP-OFDM 16 QAM	3565.02	Edge 1RB Left	10.22	10.67	13.47	15.12	16.47	18.86	-	Pass
		Edge 1RB Right	10.36	10.75	13.57	15.26	16.55	18.96	-	Pass
		Outer Full	10.52	10.58	13.56	15.42	16.38	18.94	-	Pass
		Inner Full	10.55	10.41	13.49	15.45	16.21	18.86	-	Pass
		Inner 1RB Left	10.23	10.67	13.47	15.13	16.47	18.86	-	Pass
		Inner 1RB Right	10.36	10.84	13.62	15.26	16.64	19.01	-	Pass
	3624.99	Edge 1RB Left	10.44	11.00	13.74	15.34	16.80	19.14	-	Pass
		Edge 1RB Right	10.20	10.96	13.61	15.10	16.76	19.02	-	Pass
		Outer Full	10.58	10.95	13.78	15.48	16.75	19.17	-	Pass
		Inner Full	10.65	10.89	13.78	15.55	16.69	19.17	-	Pass
		Inner 1RB Left	10.41	11.10	13.78	15.31	16.90	19.19	-	Pass
		Inner 1RB Right	10.24	11.05	13.67	15.14	16.85	19.09	-	Pass
	3684.99	Edge 1RB Left	10.36	10.96	13.68	15.26	16.76	19.08	-	Pass
		Edge 1RB Right	10.35	11.00	13.70	15.25	16.80	19.10	-	Pass
		Outer Full	10.38	10.83	13.62	15.28	16.63	19.02	-	Pass
		Inner Full	10.40	10.82	13.62	15.30	16.62	19.02	-	Pass
		Inner 1RB Left	10.44	10.96	13.72	15.34	16.76	19.12	-	Pass
		Inner 1RB Right	10.48	10.89	13.70	15.38	16.69	19.09	-	Pass
CP-OFDM 64 QAM	3565.02	Edge 1RB Left	10.38	10.87	13.64	15.28	16.67	19.04	-	Pass
		Edge 1RB Right	10.44	10.99	13.74	15.34	16.79	19.14	-	Pass
		Outer Full	10.55	10.47	13.52	15.45	16.27	18.89	-	Pass
		Inner Full	10.44	10.39	13.43	15.34	16.19	18.80	-	Pass
		Inner 1RB Left	10.38	10.88	13.65	15.28	16.68	19.05	-	Pass
		Inner 1RB Right	10.56	11.01	13.80	15.46	16.81	19.20	-	Pass
	3624.99	Edge 1RB Left	10.56	11.27	13.94	15.46	17.07	19.35	-	Pass
		Edge 1RB Right	10.47	11.23	13.88	15.37	17.03	19.29	-	Pass



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CP-OFDM 256 QAM		Outer_Full	10.57	10.92	13.76	15.47	16.72	19.15	-	Pass
		Inner_Full	10.55	10.80	13.68	15.45	16.60	19.07	-	Pass
		Inner_1RB_Left	10.59	11.29	13.96	15.49	17.09	19.37	-	Pass
		Inner_1RB_Right	10.41	11.23	13.85	15.31	17.03	19.26	-	Pass
	3684.99	Edge_1RB_Left	10.51	11.18	13.87	15.41	16.98	19.28	-	Pass
		Edge_1RB_Right	10.56	10.99	13.79	15.46	16.79	19.19	-	Pass
		Outer_Full	10.46	10.78	13.63	15.36	16.58	19.02	-	Pass
		Inner_Full	10.32	10.69	13.52	15.22	16.49	18.91	-	Pass
		Inner_1RB_Left	10.54	11.13	13.85	15.44	16.93	19.26	-	Pass
		Inner_1RB_Right	10.62	11.00	13.82	15.52	16.80	19.22	-	Pass
	3565.02	Edge_1RB_Left	10.63	10.50	13.57	15.53	16.30	18.94	-	Pass
		Edge_1RB_Right	10.80	10.71	13.77	15.70	16.51	19.13	-	Pass
		Outer_Full	10.59	10.56	13.58	15.49	16.36	18.96	-	Pass
		Inner_Full	10.54	10.39	13.47	15.44	16.19	18.84	-	Pass
		Inner_1RB_Left	10.68	10.44	13.57	15.58	16.24	18.93	-	Pass
		Inner_1RB_Right	10.76	10.83	13.81	15.66	16.63	19.18	-	Pass
	3624.99	Edge_1RB_Left	10.88	11.03	13.97	15.78	16.83	19.35	-	Pass
		Edge_1RB_Right	10.70	10.98	13.85	15.60	16.78	19.24	-	Pass
		Outer_Full	10.60	10.96	13.80	15.50	16.76	19.19	-	Pass
		Inner_Full	10.56	10.93	13.76	15.46	16.73	19.15	-	Pass
		Inner_1RB_Left	10.88	11.03	13.97	15.78	16.83	19.35	-	Pass
		Inner_1RB_Right	10.72	10.99	13.87	15.62	16.79	19.25	-	Pass
	3684.99	Edge_1RB_Left	10.66	10.94	13.81	15.56	16.74	19.20	-	Pass
		Edge_1RB_Right	10.73	10.85	13.80	15.63	16.65	19.18	-	Pass
		Outer_Full	10.50	10.87	13.70	15.40	16.67	19.09	-	Pass
		Inner_Full	10.45	10.80	13.64	15.35	16.60	19.03	-	Pass
		Inner_1RB_Left	10.68	10.92	13.81	15.58	16.72	19.20	-	Pass
		Inner_1RB_Right	10.68	10.87	13.79	15.58	16.67	19.17	-	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

2.11 30k_MIMO_30MHz_NTNV_EIRP/10MHz

2.11.1 Test Result

5G NR n78d SCS=30kHz MIMO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3565.02	Edge_1RB_Left	9.82	9.88	12.86	14.72	15.68	18.24	<=30	Pass
		Edge_1RB_Right	10.50	9.51	13.04	15.40	15.31	18.37	<=30	Pass
		Outer_Full	5.11	5.98	8.58	10.01	11.78	13.99	<=30	Pass
		Inner_Full	9.04	8.73	11.90	13.94	14.53	17.26	<=30	Pass
		Inner_1RB_Left	9.99	9.66	12.84	14.89	15.46	18.19	<=30	Pass
		Inner_1RB_Right	10.45	10.48	13.48	15.35	16.28	18.85	<=30	Pass
	3624.99	Edge_1RB_Left	10.26	9.99	13.14	15.16	15.79	18.50	<=30	Pass
		Edge_1RB_Right	8.01	11.22	12.92	12.91	17.02	18.44	<=30	Pass
		Outer_Full	4.88	4.78	7.84	9.78	10.58	13.21	<=30	Pass
		Inner_Full	8.10	7.77	10.95	13.00	13.57	16.30	<=30	Pass
		Inner_1RB_Left	10.50	10.38	13.45	15.40	16.18	18.82	<=30	Pass
		Inner_1RB_Right	7.67	9.22	11.52	12.57	15.02	16.98	<=30	Pass
	3684.99	Edge_1RB_Left	9.65	10.08	12.88	14.55	15.88	18.28	<=30	Pass



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CP-OFDM 16 QAM	3565.02	Edge 1RB Right	9.15	10.29	12.77	14.05	16.09	18.20	<=30	Pass
		Outer Full	4.51	5.13	7.84	9.41	10.93	13.25	<=30	Pass
		Inner Full	7.45	8.52	11.03	12.35	14.32	16.46	<=30	Pass
		Inner 1RB Left	9.57	8.26	11.97	14.47	14.06	17.28	<=30	Pass
		Inner 1RB Right	9.61	9.41	12.52	14.51	15.21	17.88	<=30	Pass
	3624.99	Edge 1RB Left	9.78	10.46	13.14	14.68	16.26	18.55	<=30	Pass
		Edge 1RB Right	10.28	10.37	13.34	15.18	16.17	18.71	<=30	Pass
		Outer Full	5.53	5.52	8.54	10.43	11.32	13.91	<=30	Pass
		Inner Full	9.24	8.79	12.03	14.14	14.59	17.38	<=30	Pass
		Inner 1RB Left	10.15	10.49	13.33	15.05	16.29	18.72	<=30	Pass
	3684.99	Edge 1RB Left	9.99	9.55	12.79	14.89	15.35	18.14	<=30	Pass
		Edge 1RB Right	9.11	9.46	12.30	14.01	15.26	17.69	<=30	Pass
		Outer Full	4.39	5.19	7.82	9.29	10.99	13.23	<=30	Pass
		Inner Full	8.24	7.74	11.01	13.14	13.54	16.35	<=30	Pass
		Inner 1RB Left	9.47	10.61	13.09	14.37	16.41	18.52	<=30	Pass
CP-OFDM 64 QAM	3565.02	Inner 1RB Right	8.52	9.77	12.20	13.42	15.57	17.64	<=30	Pass
		Edge 1RB Left	9.22	9.47	12.36	14.12	15.27	17.74	<=30	Pass
		Edge 1RB Right	8.39	10.12	12.35	13.29	15.92	17.81	<=30	Pass
		Outer Full	3.94	5.14	7.59	8.84	10.94	13.03	<=30	Pass
		Inner Full	7.61	7.68	10.66	12.51	13.48	16.03	<=30	Pass
	3624.99	Inner 1RB Left	8.59	9.04	11.83	13.49	14.84	17.23	<=30	Pass
		Inner 1RB Right	9.51	10.20	12.88	14.41	16.00	18.29	<=30	Pass
		Edge 1RB Left	9.80	10.17	13.00	14.70	15.97	18.39	<=30	Pass
		Edge 1RB Right	10.48	9.25	12.92	15.38	15.05	18.23	<=30	Pass
		Outer Full	5.21	5.34	8.29	10.11	11.14	13.67	<=30	Pass
	3684.99	Inner Full	8.11	9.30	11.76	13.01	15.10	17.19	<=30	Pass
		Inner 1RB Left	9.62	10.02	12.83	14.52	15.82	18.23	<=30	Pass
		Inner 1RB Right	10.17	9.80	13.00	15.07	15.60	18.35	<=30	Pass
		Edge 1RB Left	9.88	10.61	13.27	14.78	16.41	18.68	<=30	Pass
		Edge 1RB Right	8.38	9.99	12.27	13.28	15.79	17.72	<=30	Pass
CP-OFDM 256 QAM	3565.02	Outer Full	4.81	5.33	8.09	9.71	11.13	13.49	<=30	Pass
		Inner Full	7.87	7.76	10.83	12.77	13.56	16.19	<=30	Pass
		Inner 1RB Left	8.44	10.42	12.55	13.34	16.22	18.02	<=30	Pass
		Inner 1RB Right	8.13	9.61	11.94	13.03	15.41	17.39	<=30	Pass
		Edge 1RB Left	9.45	10.54	13.04	14.35	16.34	18.47	<=30	Pass
	3624.99	Edge 1RB Right	9.41	10.38	12.93	14.31	16.18	18.36	<=30	Pass
		Outer Full	5.25	4.95	8.11	10.15	10.75	13.47	<=30	Pass
		Inner Full	7.76	7.74	10.76	12.66	13.54	16.13	<=30	Pass
		Inner 1RB Left	9.87	9.16	12.54	14.77	14.96	17.88	<=30	Pass
		Inner 1RB Right	9.27	10.03	12.68	14.17	15.83	18.09	<=30	Pass
	3684.99	Edge 1RB Left	10.22	10.01	13.13	15.12	15.81	18.49	<=30	Pass
		Edge 1RB Right	9.59	9.78	12.70	14.49	15.58	18.08	<=30	Pass
		Outer Full	4.92	5.89	8.44	9.82	11.69	13.87	<=30	Pass
		Inner Full	8.90	8.21	11.58	13.80	14.01	16.92	<=30	Pass
		Inner 1RB Left	9.90	9.98	12.95	14.80	15.78	18.33	<=30	Pass
CP-OFDM 512 QAM	3565.02	Inner 1RB Right	9.01	9.59	12.32	13.91	15.39	17.72	<=30	Pass
		Edge 1RB Left	9.53	10.45	13.02	14.43	16.25	18.44	<=30	Pass
		Edge 1RB Right	8.83	8.37	11.62	13.73	14.17	16.97	<=30	Pass
		Outer Full	5.31	6.07	8.72	10.21	11.87	14.13	<=30	Pass
		Inner Full	8.33	8.71	11.53	13.23	14.51	16.93	<=30	Pass
	3624.99	Inner 1RB Left	10.72	10.58	13.66	15.62	16.38	19.03	<=30	Pass
		Inner 1RB Right	9.59	8.87	12.26	14.49	14.67	17.59	<=30	Pass
		Edge 1RB Left	9.21	8.84	12.04	14.11	14.64	17.39	<=30	Pass

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	Edge_1RB_Right	9.79	9.01	12.43	14.69	14.81	17.76	<=30	Pass
	Outer_Full	5.18	4.40	7.82	10.08	10.20	13.15	<=30	Pass
	Inner_Full	6.90	6.82	9.87	11.80	12.62	15.24	<=30	Pass
	Inner_1RB_Left	8.71	9.58	12.18	13.61	15.38	17.59	<=30	Pass
	Inner_1RB_Right	8.10	10.48	12.46	13.00	16.28	17.95	<=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

2.12 30k_MIMO_30MHz_NTNV_PSD

2.12.1 Test Result

5G NR n78d SCS=30kHz MIMO 30MHz 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	3565.02	Edge_1RB_Left	9.82	9.88	13.19	14.72	15.68	18.99	<=20	Pass
		Edge_1RB_Right	10.50	9.51	12.48	15.40	15.31	18.28	<=20	Pass
		Outer_Full	5.11	5.98	0.35	10.01	11.78	6.15	<=20	Pass
		Inner_Full	9.04	8.73	2.38	13.94	14.53	8.18	<=20	Pass
		Inner_1RB_Left	9.99	9.66	13.14	14.89	15.46	18.94	<=20	Pass
		Inner_1RB_Right	10.45	10.48	13.23	15.35	16.28	19.03	<=20	Pass
	3624.99	Edge_1RB_Left	10.26	9.99	13.35	15.16	15.79	19.15	<=20	Pass
		Edge_1RB_Right	8.01	11.22	12.46	12.91	17.02	18.26	<=20	Pass
		Outer_Full	4.88	4.78	0.07	9.78	10.58	5.87	<=20	Pass
		Inner_Full	8.10	7.77	1.84	13.00	13.57	7.64	<=20	Pass
		Inner_1RB_Left	10.50	10.38	12.53	15.40	16.18	18.33	<=20	Pass
		Inner_1RB_Right	7.67	9.22	11.72	12.57	15.02	17.52	<=20	Pass
	3684.99	Edge_1RB_Left	9.65	10.08	12.24	14.55	15.88	18.04	<=20	Pass
		Edge_1RB_Right	9.15	10.29	13.30	14.05	16.09	19.10	<=20	Pass
		Outer_Full	4.51	5.13	-0.67	9.41	10.93	5.13	<=20	Pass
		Inner_Full	7.45	8.52	1.61	12.35	14.32	7.41	<=20	Pass
		Inner_1RB_Left	9.57	8.26	12.20	14.47	14.06	18.00	<=20	Pass
		Inner_1RB_Right	9.61	9.41	12.28	14.51	15.21	18.08	<=20	Pass
CP-OFDM 16 QAM	3565.02	Edge_1RB_Left	9.78	10.46	13.46	14.68	16.26	19.26	<=20	Pass
		Edge_1RB_Right	10.28	10.37	12.79	15.18	16.17	18.59	<=20	Pass
		Outer_Full	5.53	5.52	0.40	10.43	11.32	6.20	<=20	Pass
		Inner_Full	9.24	8.79	3.20	14.14	14.59	9.00	<=20	Pass
		Inner_1RB_Left	10.15	10.49	12.87	15.05	16.29	18.67	<=20	Pass
		Inner_1RB_Right	10.59	10.50	13.48	15.49	16.30	19.28	<=20	Pass
	3624.99	Edge_1RB_Left	9.99	9.55	12.85	14.89	15.35	18.65	<=20	Pass
		Edge_1RB_Right	9.11	9.46	12.55	14.01	15.26	18.35	<=20	Pass
		Outer_Full	4.39	5.19	-0.29	9.29	10.99	5.51	<=20	Pass
		Inner_Full	8.24	7.74	2.13	13.14	13.54	7.93	<=20	Pass
		Inner_1RB_Left	9.47	10.61	13.24	14.37	16.41	19.04	<=20	Pass
		Inner_1RB_Right	8.52	9.77	13.09	13.42	15.57	18.89	<=20	Pass
	3684.99	Edge_1RB_Left	9.22	9.47	12.42	14.12	15.27	18.22	<=20	Pass
		Edge_1RB_Right	8.39	10.12	12.04	13.29	15.92	17.84	<=20	Pass
		Outer_Full	3.94	5.14	-1.26	8.84	10.94	4.54	<=20	Pass
		Inner_Full	7.61	7.68	1.46	12.51	13.48	7.26	<=20	Pass
		Inner_1RB_Left	8.59	9.04	12.51	13.49	14.84	18.31	<=20	Pass
		Inner_1RB_Right	9.51	10.20	12.46	14.41	16.00	18.26	<=20	Pass



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CP-OFDM 64 QAM	3565.02	Edge 1RB Left	9.80	10.17	13.03	14.70	15.97	18.83	<=20	Pass
		Edge 1RB Right	10.48	9.25	13.36	15.38	15.05	19.16	<=20	Pass
		Outer Full	5.21	5.34	0.39	10.11	11.14	6.19	<=20	Pass
		Inner Full	8.11	9.30	3.19	13.01	15.10	8.99	<=20	Pass
		Inner 1RB Left	9.62	10.02	13.72	14.52	15.82	19.52	<=20	Pass
		Inner 1RB Right	10.17	9.80	12.98	15.07	15.60	18.78	<=20	Pass
	3624.99	Edge 1RB Left	9.88	10.61	12.71	14.78	16.41	18.51	<=20	Pass
		Edge 1RB Right	8.38	9.99	12.97	13.28	15.79	18.77	<=20	Pass
		Outer Full	4.81	5.33	-0.37	9.71	11.13	5.43	<=20	Pass
		Inner Full	7.87	7.76	2.12	12.77	13.56	7.92	<=20	Pass
		Inner 1RB Left	8.44	10.42	13.30	13.34	16.22	19.10	<=20	Pass
		Inner 1RB Right	8.13	9.61	12.92	13.03	15.41	18.72	<=20	Pass
	3684.99	Edge 1RB Left	9.45	10.54	12.76	14.35	16.34	18.56	<=20	Pass
		Edge 1RB Right	9.41	10.38	12.56	14.31	16.18	18.36	<=20	Pass
		Outer Full	5.25	4.95	-0.78	10.15	10.75	5.02	<=20	Pass
		Inner Full	7.76	7.74	2.16	12.66	13.54	7.96	<=20	Pass
		Inner 1RB Left	9.87	9.16	11.95	14.77	14.96	17.75	<=20	Pass
		Inner 1RB Right	9.27	10.03	13.07	14.17	15.83	18.87	<=20	Pass
CP-OFDM 256 QAM	3565.02	Edge 1RB Left	10.22	10.01	13.21	15.12	15.81	19.01	<=20	Pass
		Edge 1RB Right	9.59	9.78	13.00	14.49	15.58	18.80	<=20	Pass
		Outer Full	4.92	5.89	-0.09	9.82	11.69	5.71	<=20	Pass
		Inner Full	8.90	8.21	2.57	13.80	14.01	8.37	<=20	Pass
		Inner 1RB Left	9.90	9.98	12.85	14.80	15.78	18.65	<=20	Pass
		Inner 1RB Right	9.01	9.59	12.69	13.91	15.39	18.49	<=20	Pass
	3624.99	Edge 1RB Left	9.53	10.45	13.07	14.43	16.25	18.87	<=20	Pass
		Edge 1RB Right	8.83	8.37	12.96	13.73	14.17	18.76	<=20	Pass
		Outer Full	5.31	6.07	-0.27	10.21	11.87	5.53	<=20	Pass
		Inner Full	8.33	8.71	2.67	13.23	14.51	8.47	<=20	Pass
		Inner 1RB Left	10.72	10.58	13.09	15.62	16.38	18.89	<=20	Pass
		Inner 1RB Right	9.59	8.87	11.78	14.49	14.67	17.58	<=20	Pass
	3684.99	Edge 1RB Left	9.21	8.84	12.74	14.11	14.64	18.54	<=20	Pass
		Edge 1RB Right	9.79	9.01	12.58	14.69	14.81	18.38	<=20	Pass
		Outer Full	5.18	4.40	-0.84	10.08	10.20	4.96	<=20	Pass
		Inner Full	6.90	6.82	2.09	11.80	12.62	7.89	<=20	Pass
		Inner 1RB Left	8.71	9.58	12.73	13.61	15.38	18.53	<=20	Pass
		Inner 1RB Right	8.10	10.48	12.42	13.00	16.28	18.22	<=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



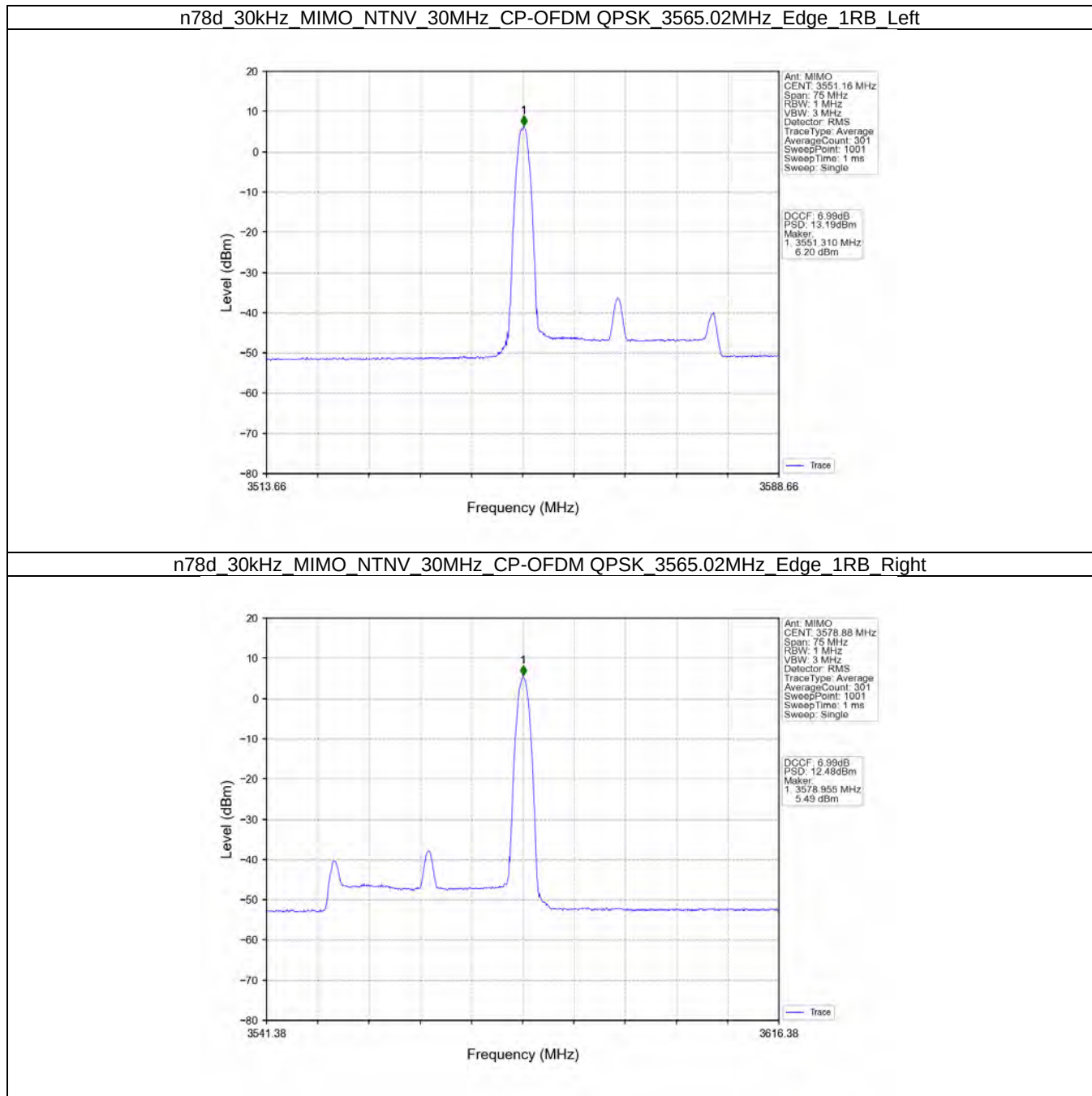
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2.12.2 Test Graph



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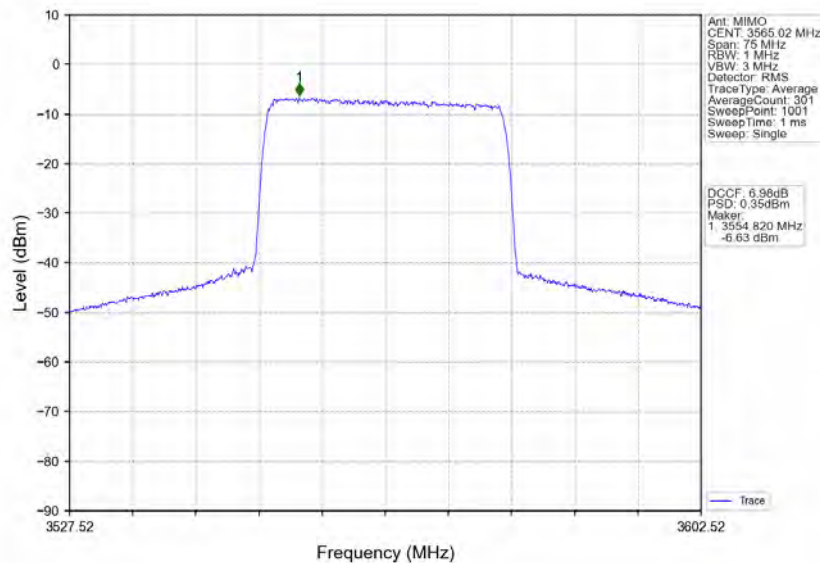
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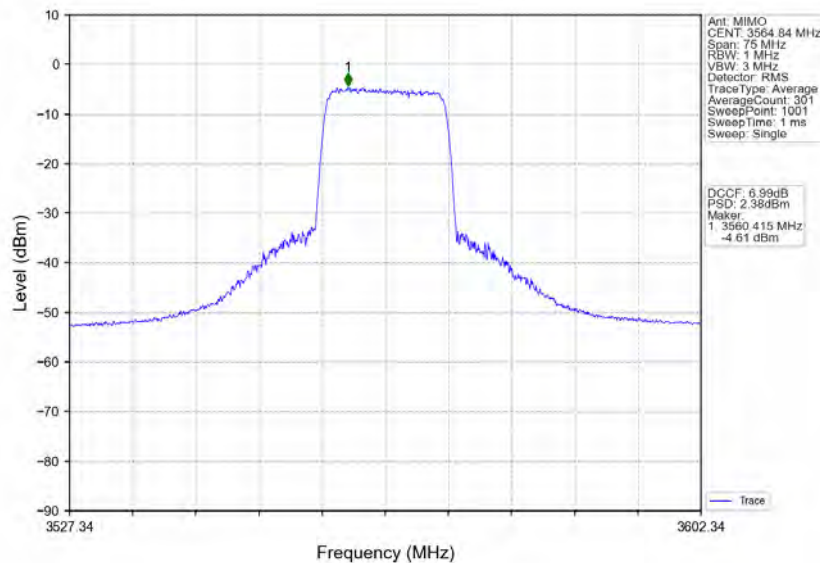
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n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3565.02MHz_Outer_Full



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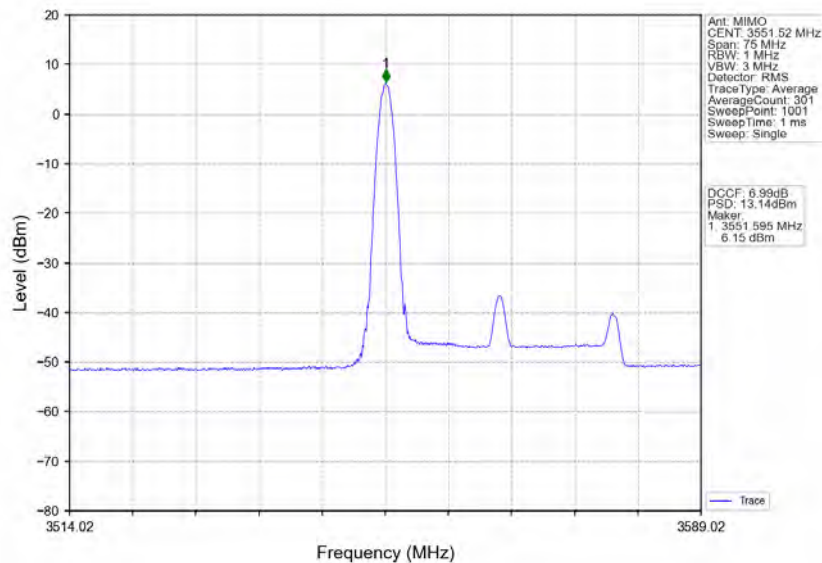
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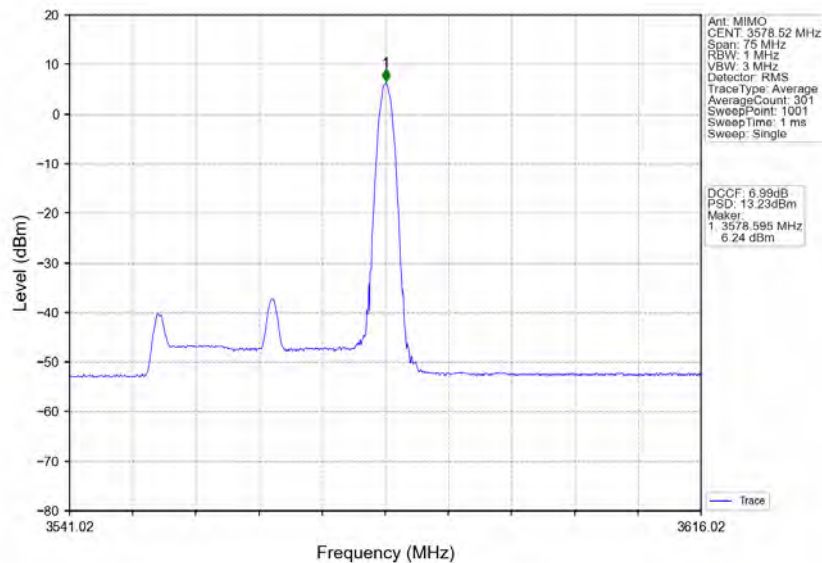
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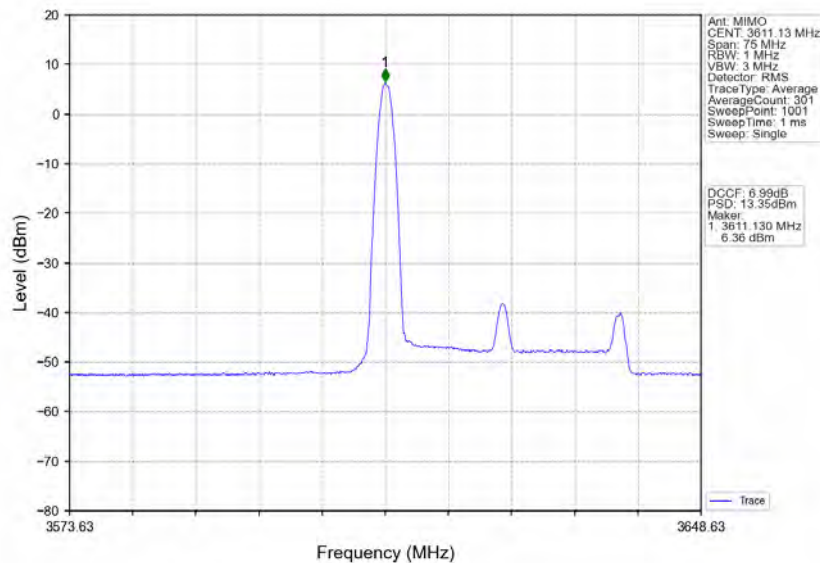
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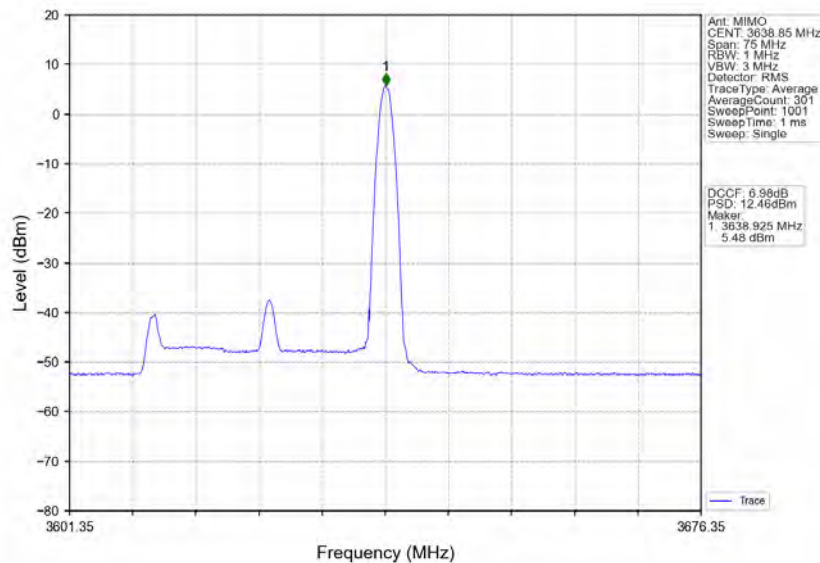
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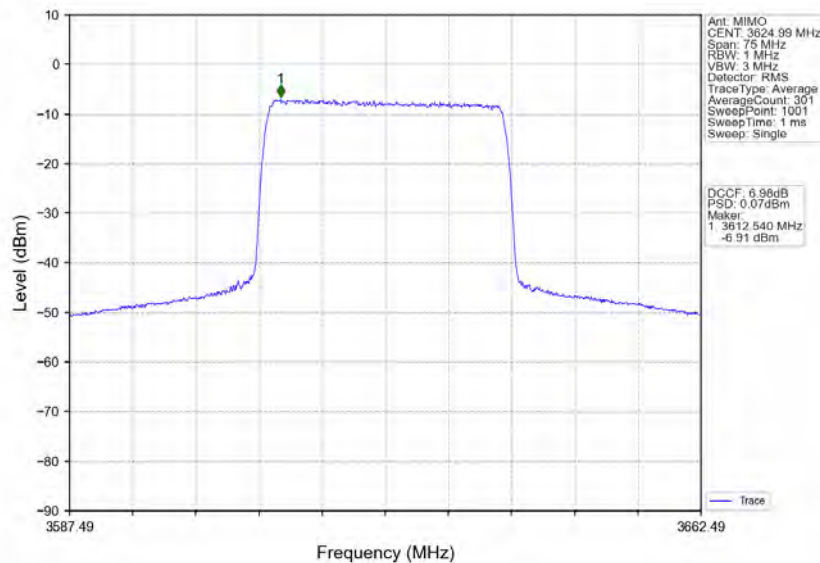
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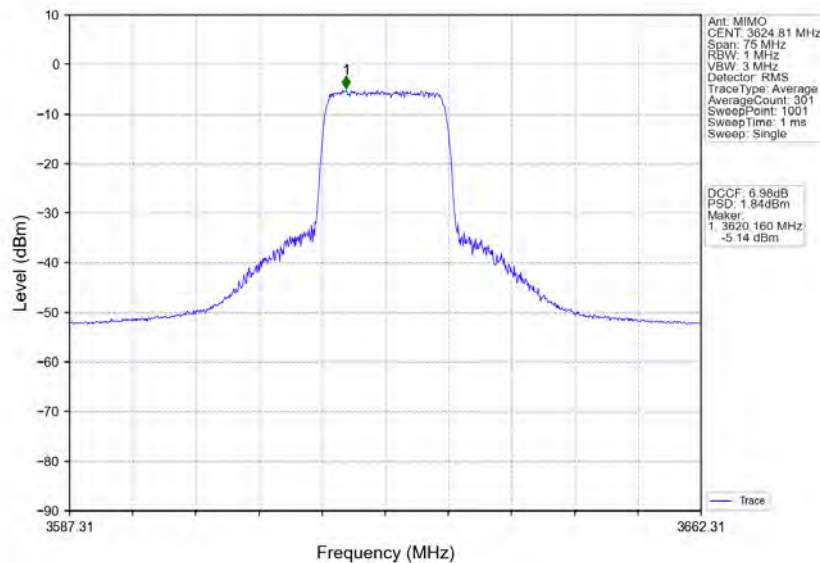
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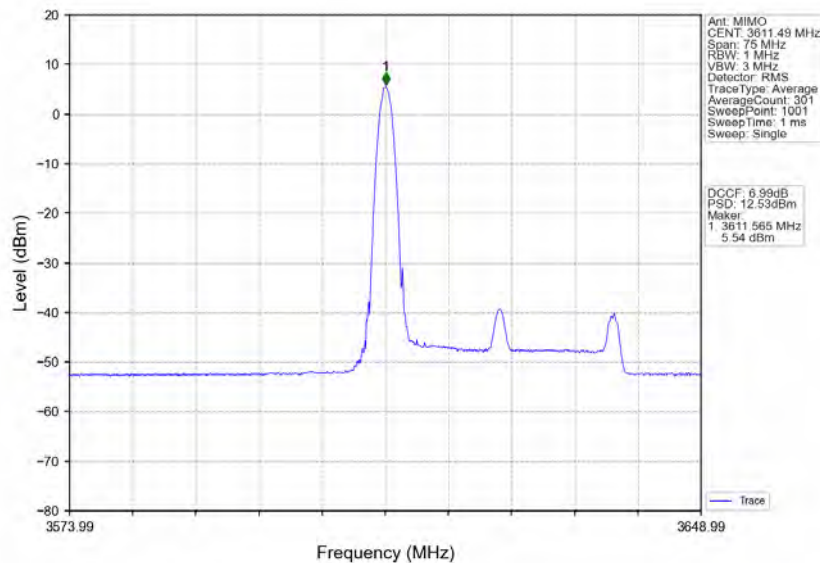
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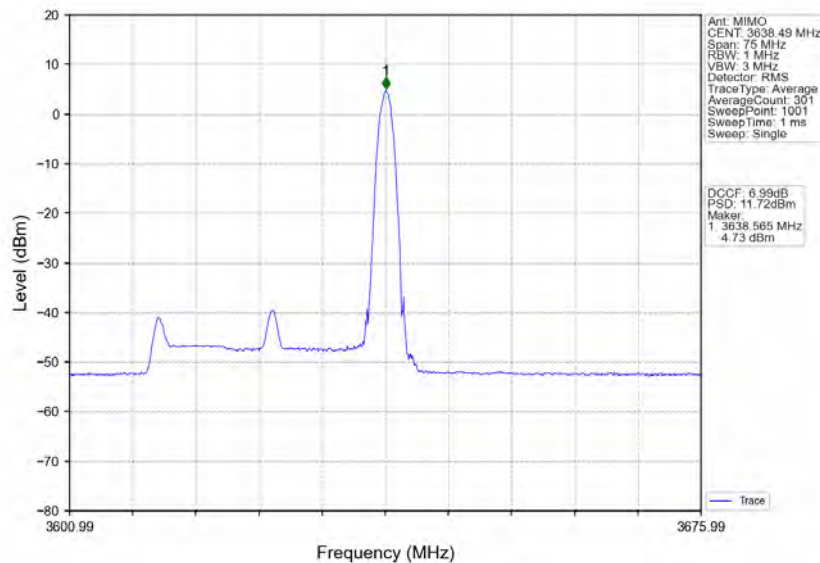
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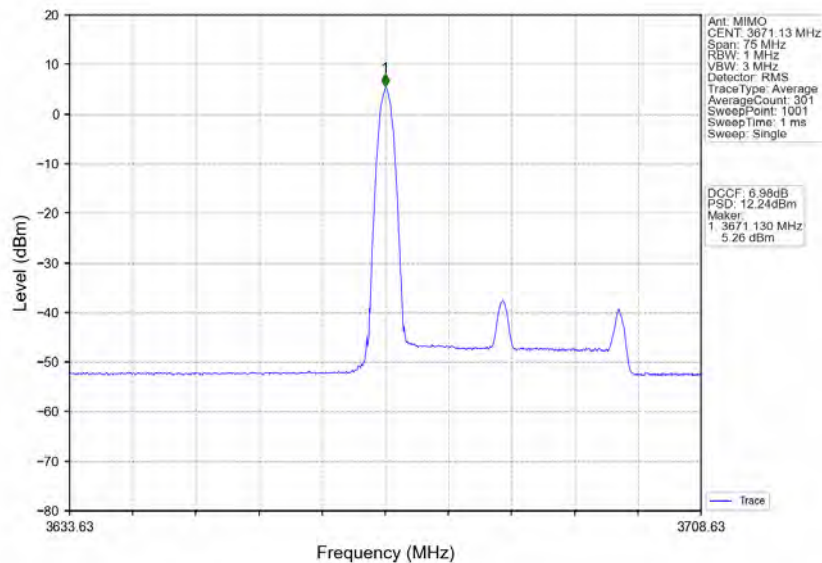
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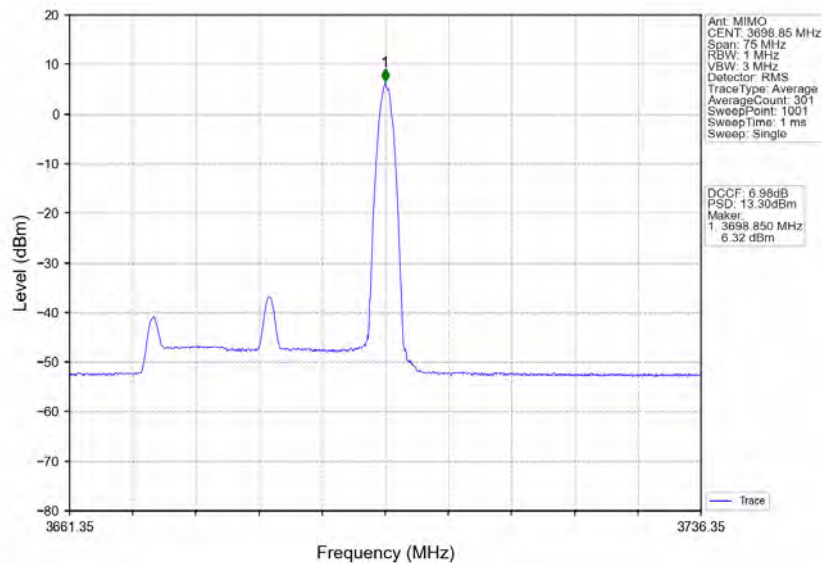
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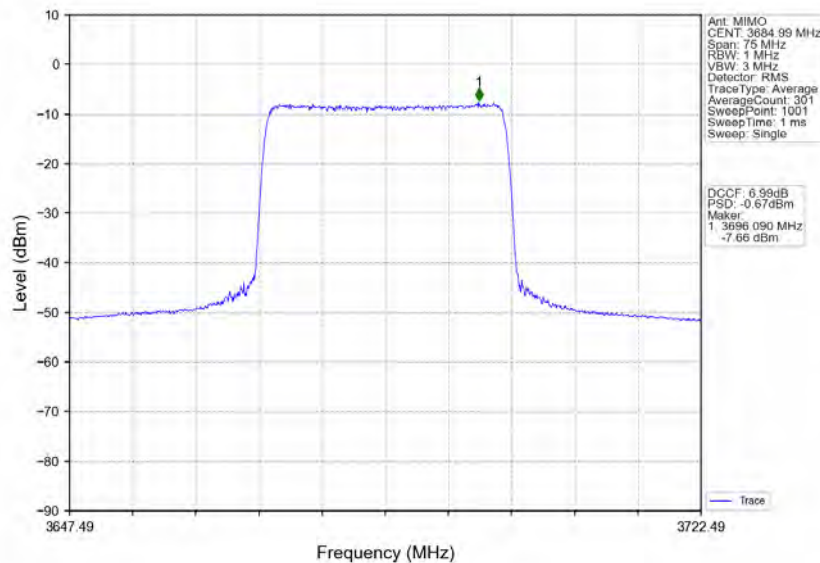
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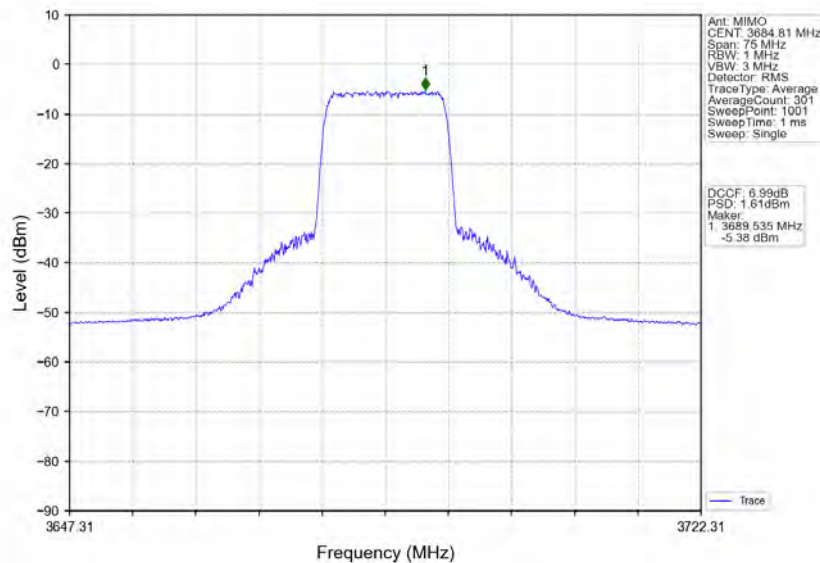
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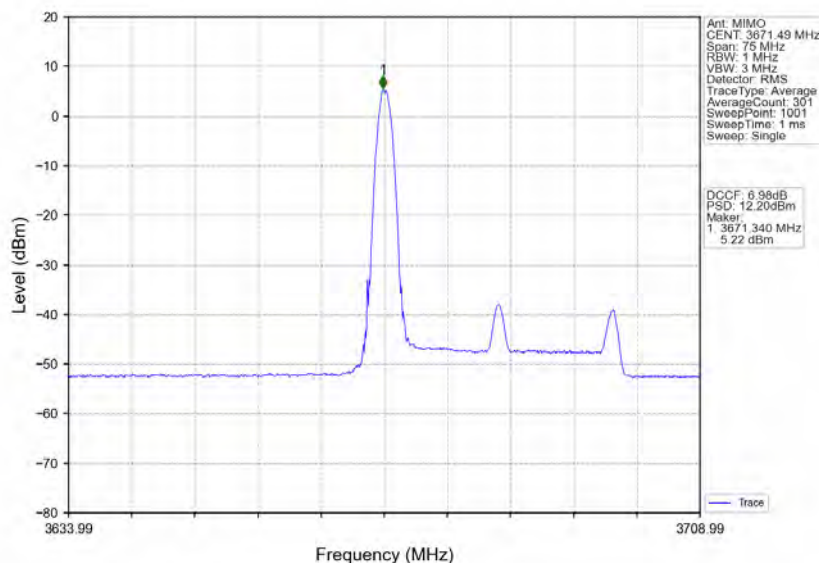
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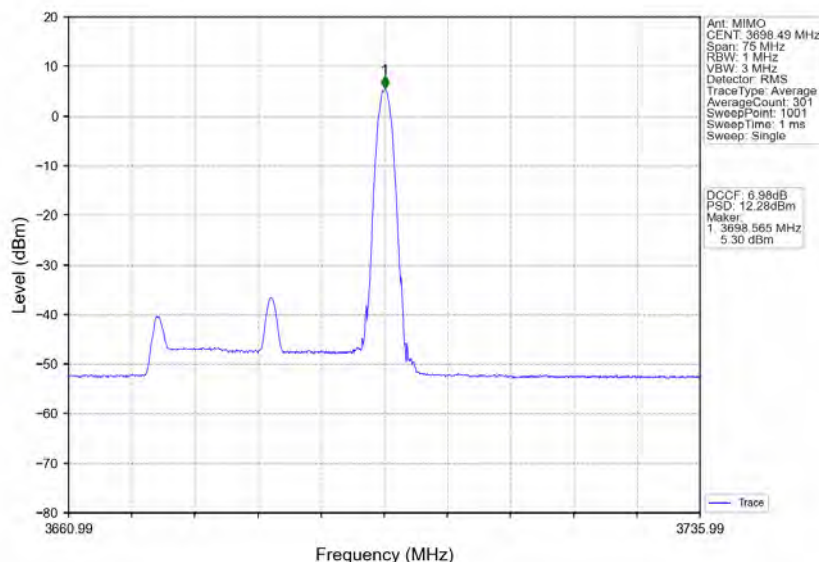
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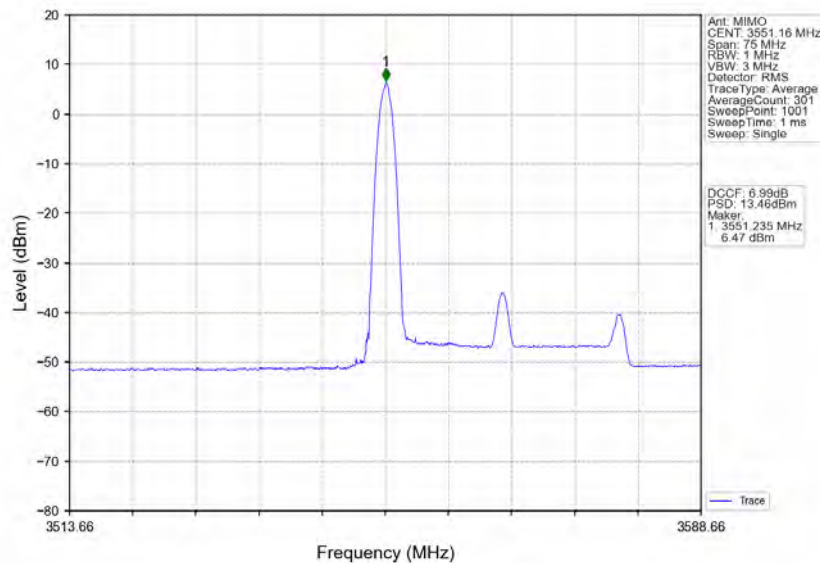
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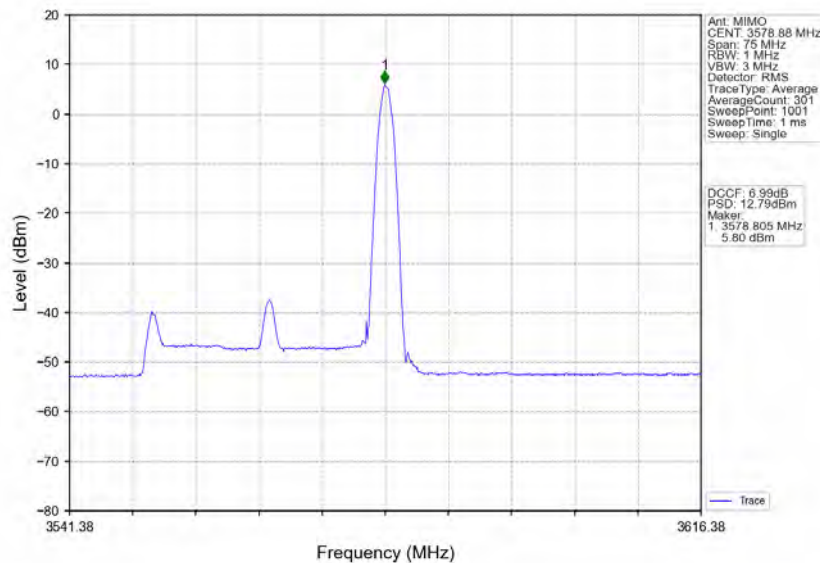
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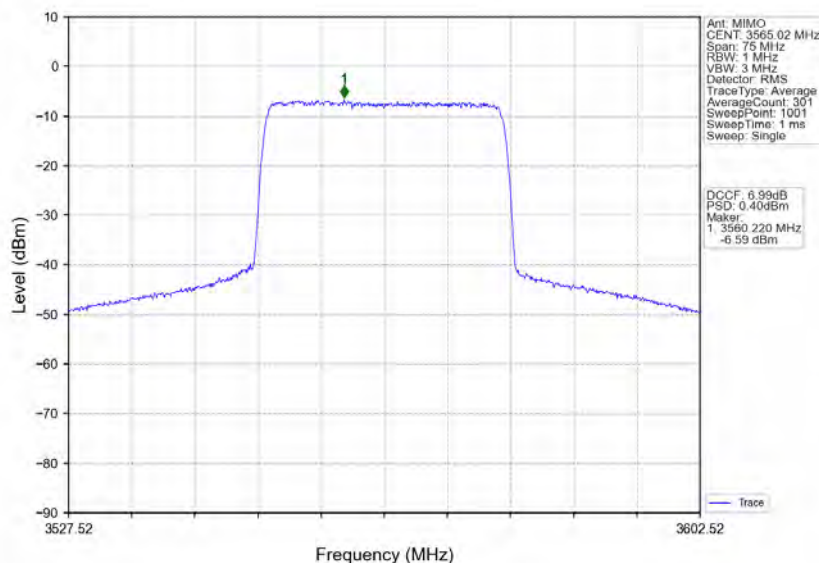
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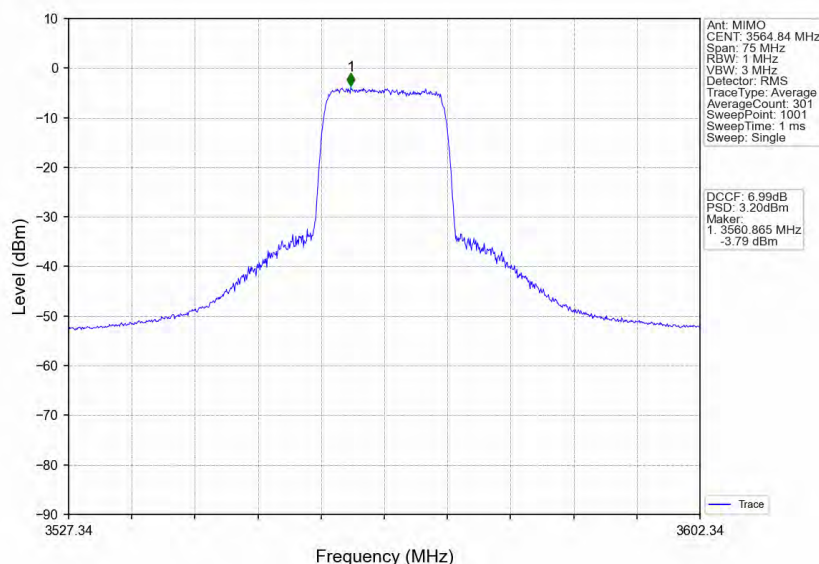
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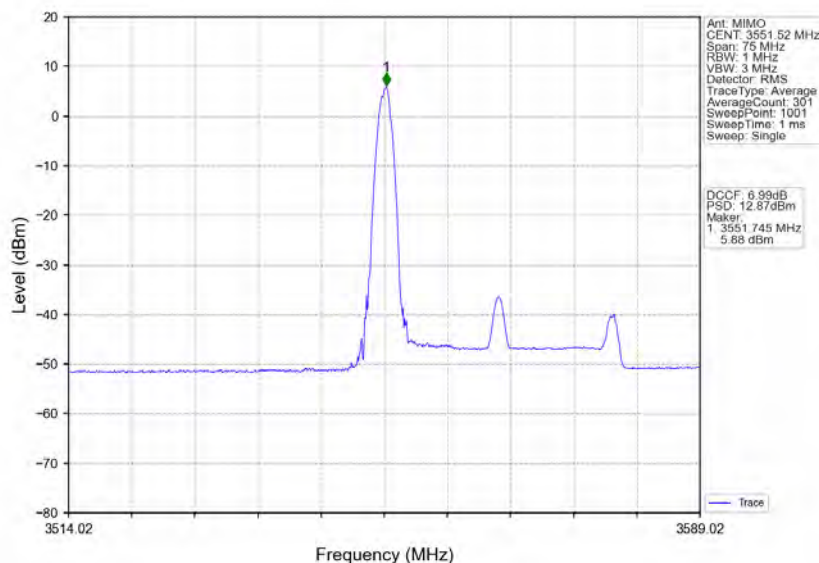
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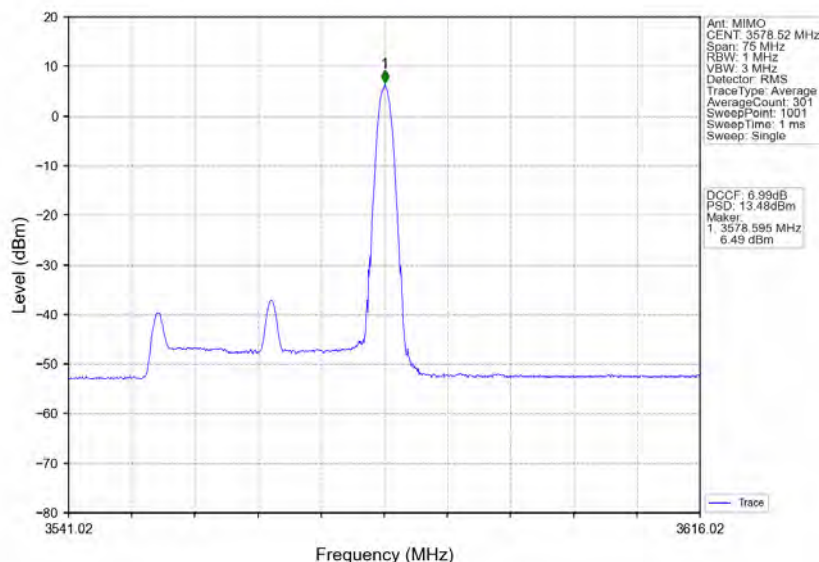
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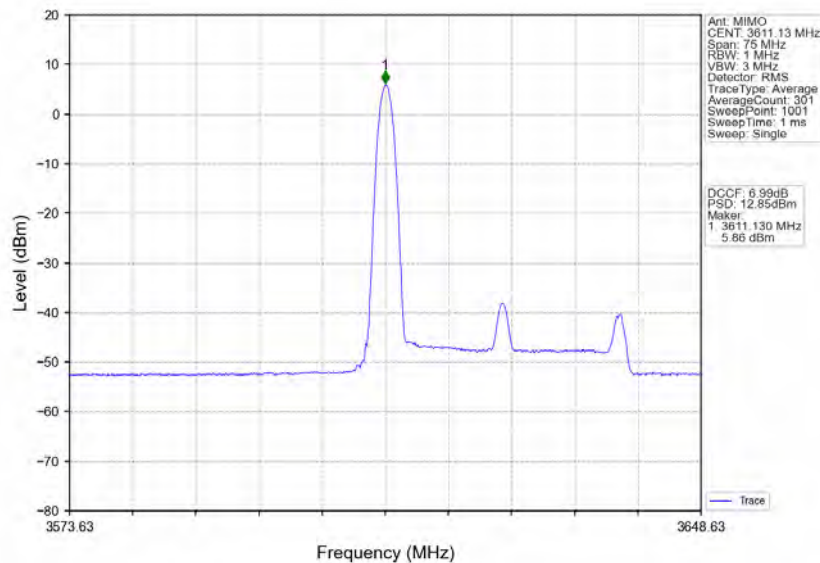
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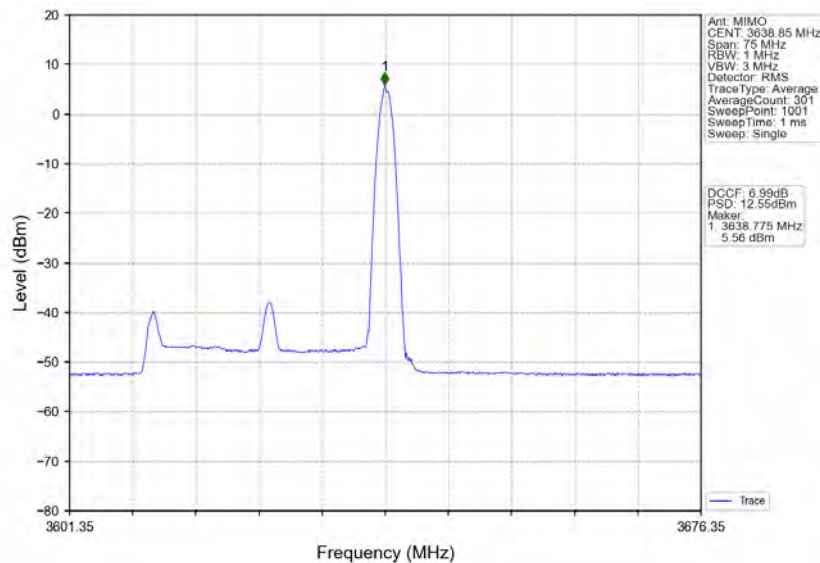
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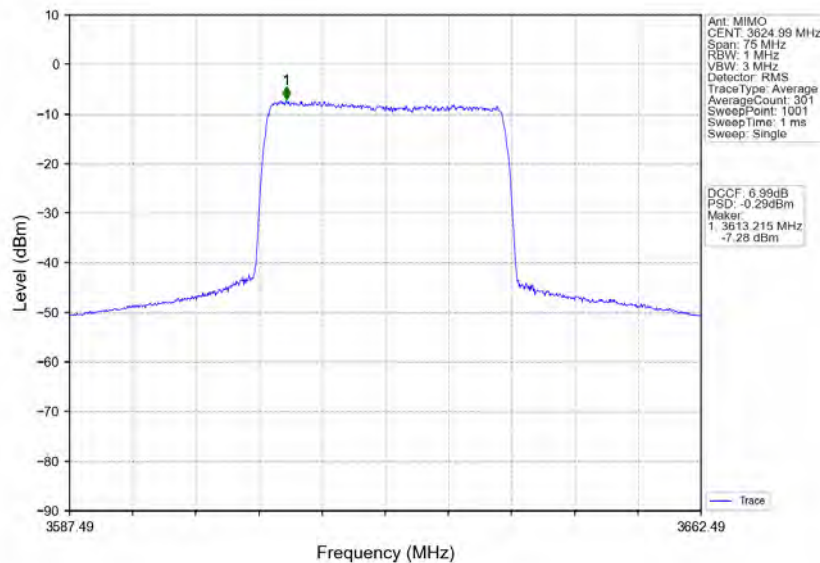
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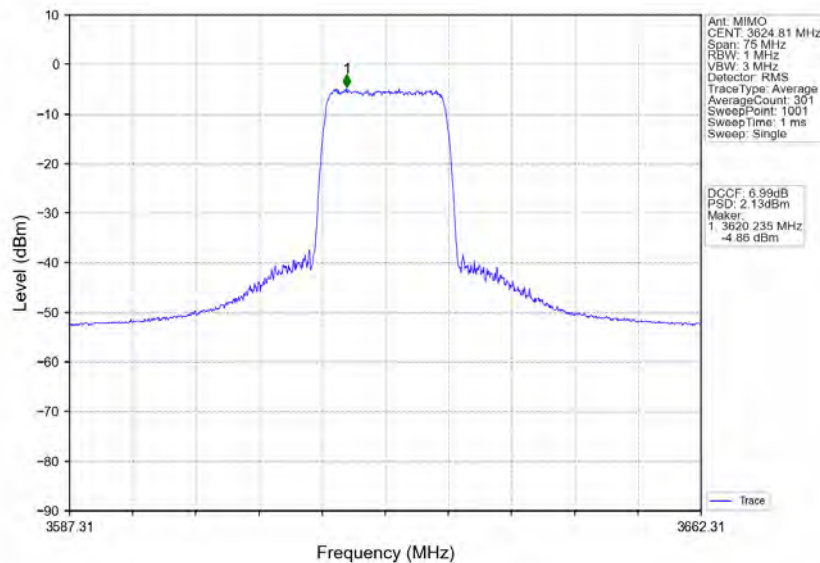
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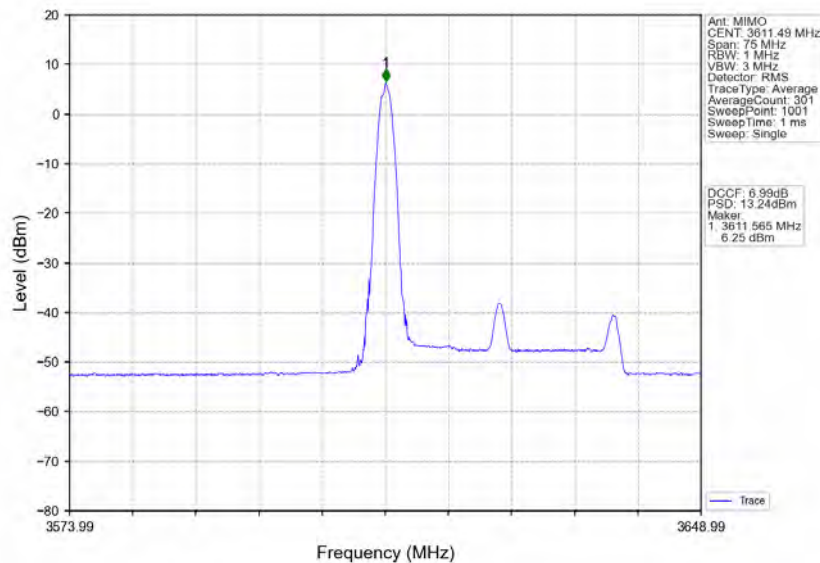
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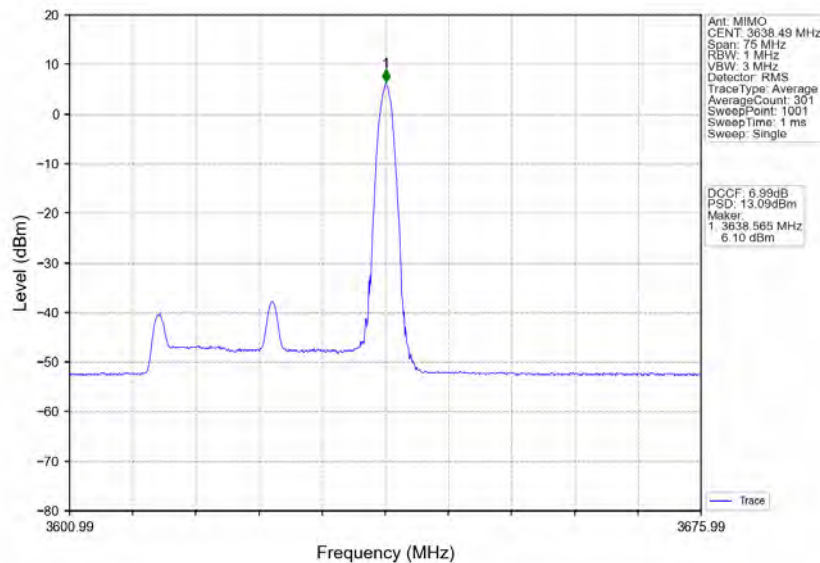
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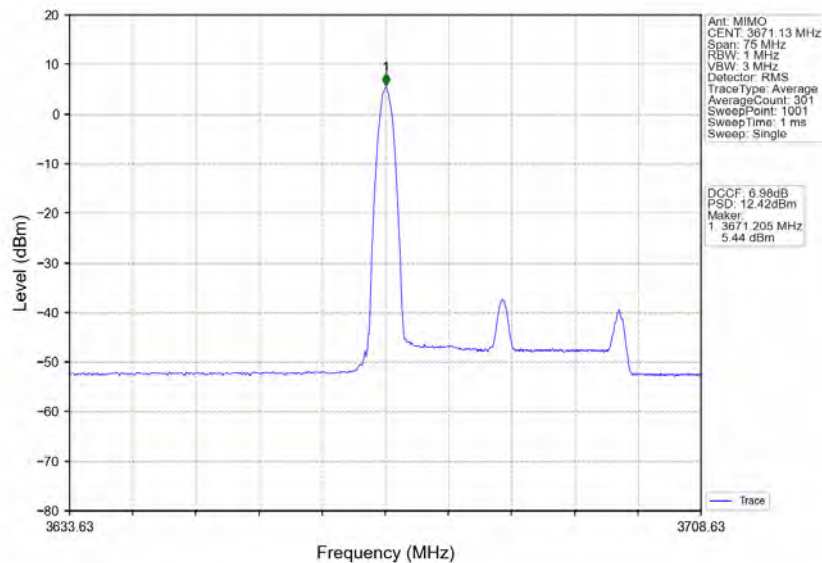
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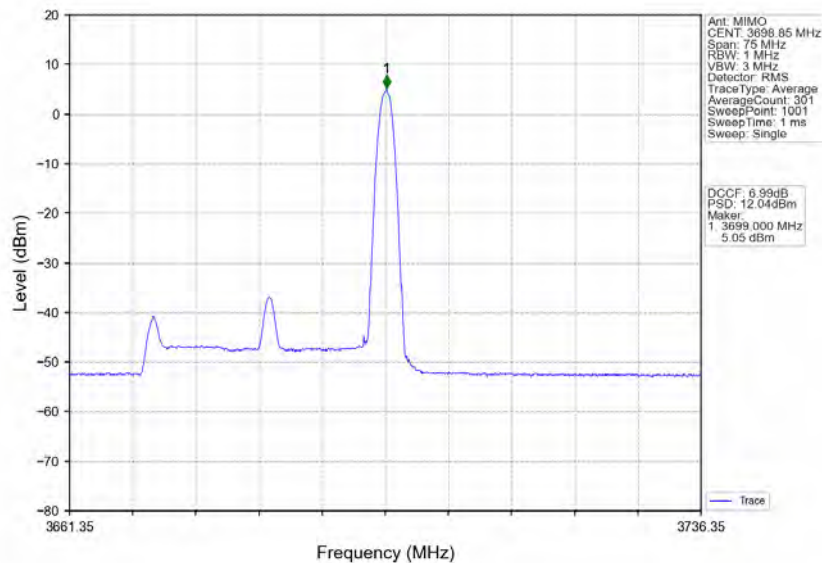
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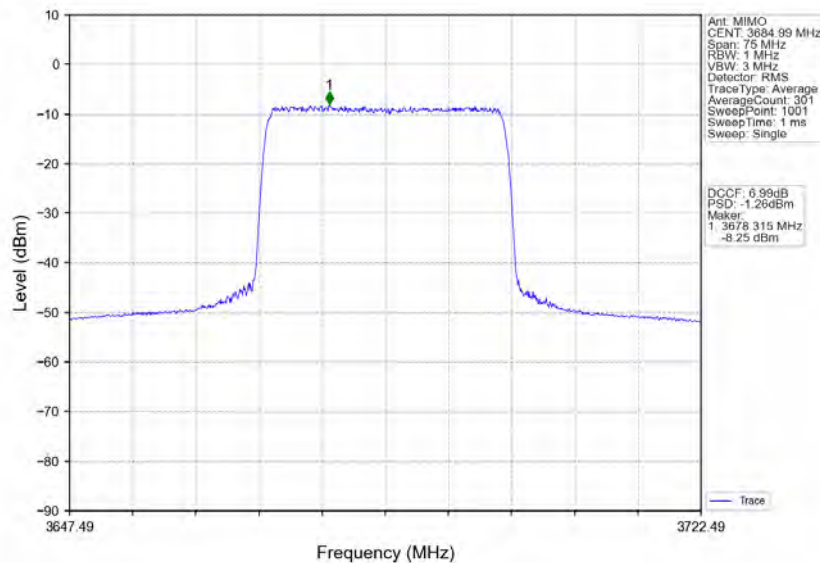
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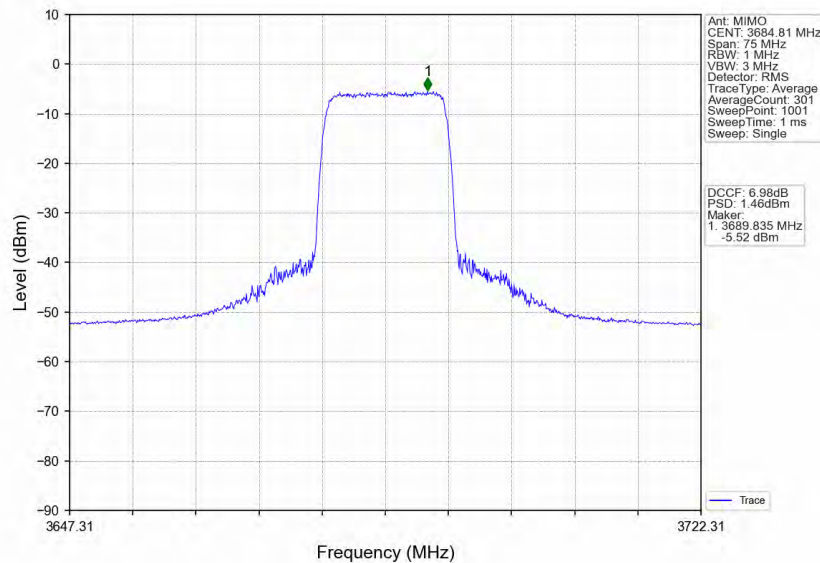
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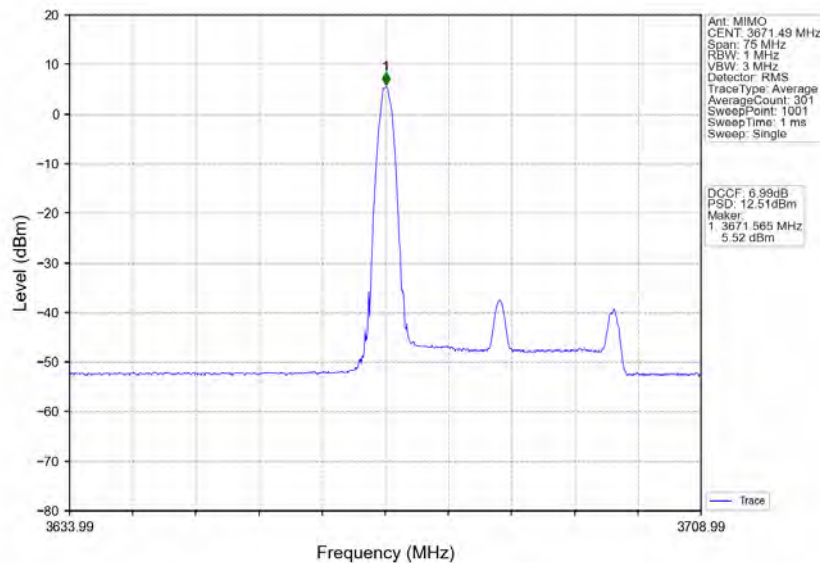
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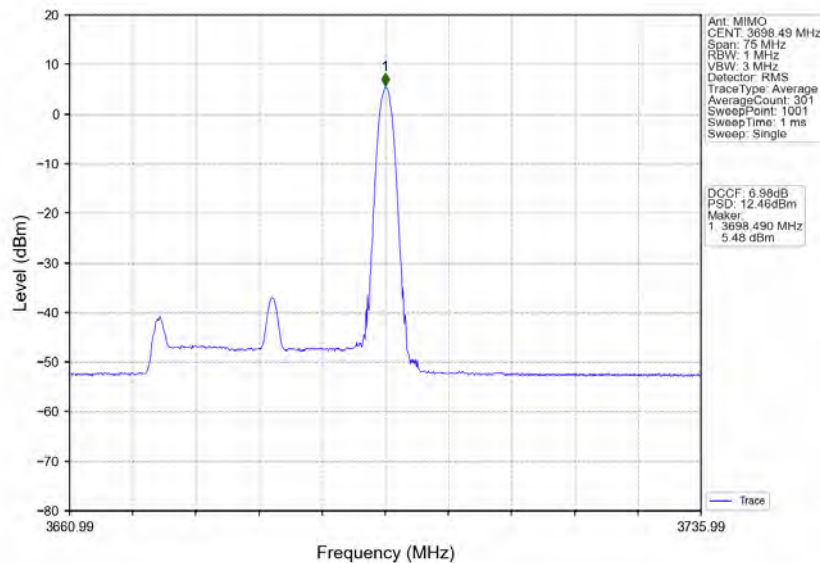
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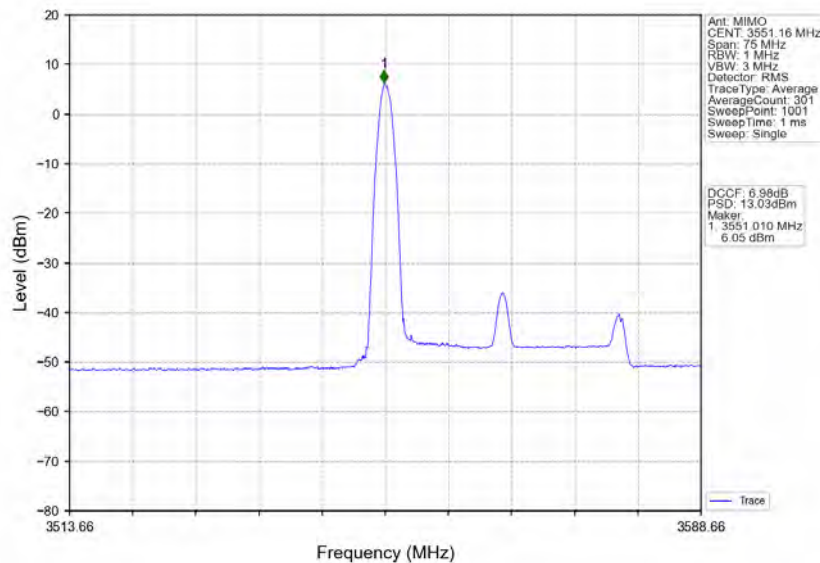
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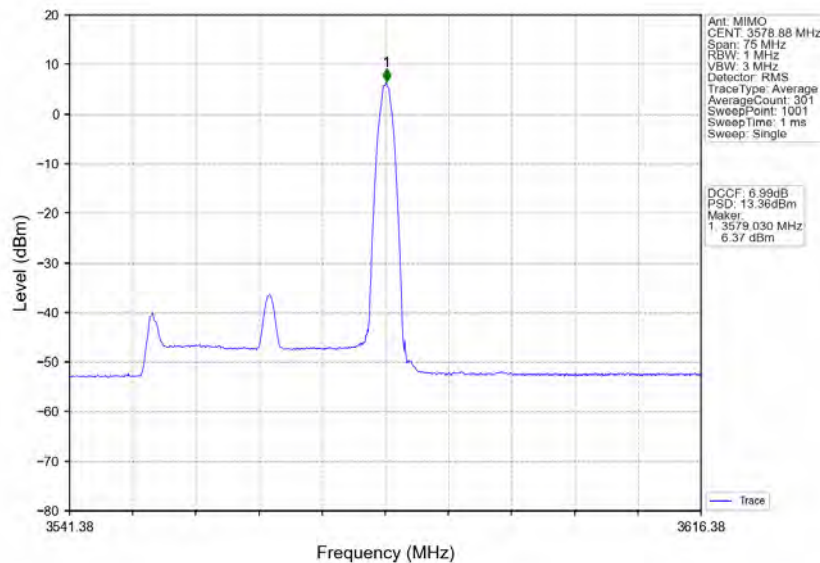
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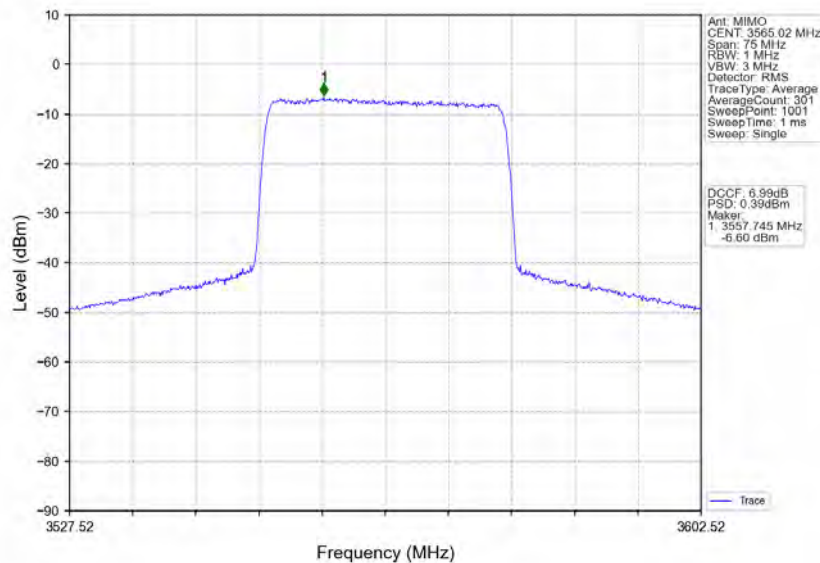
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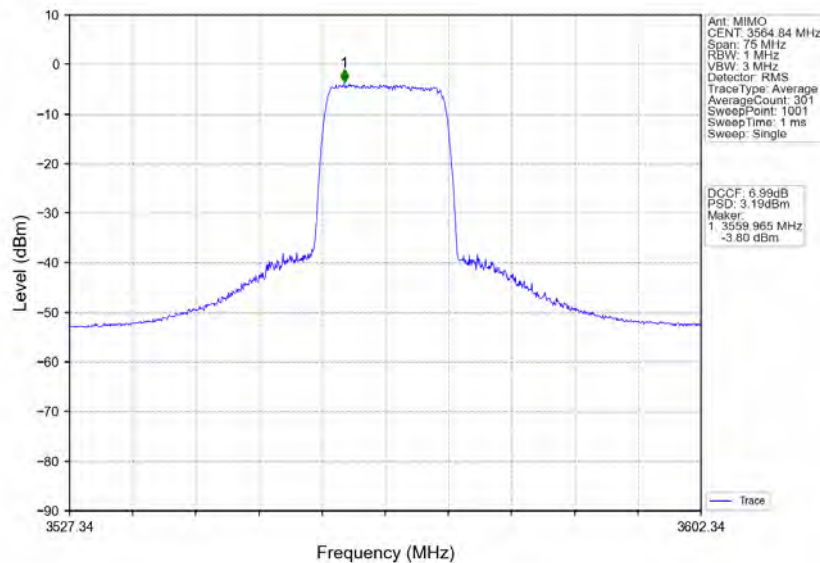
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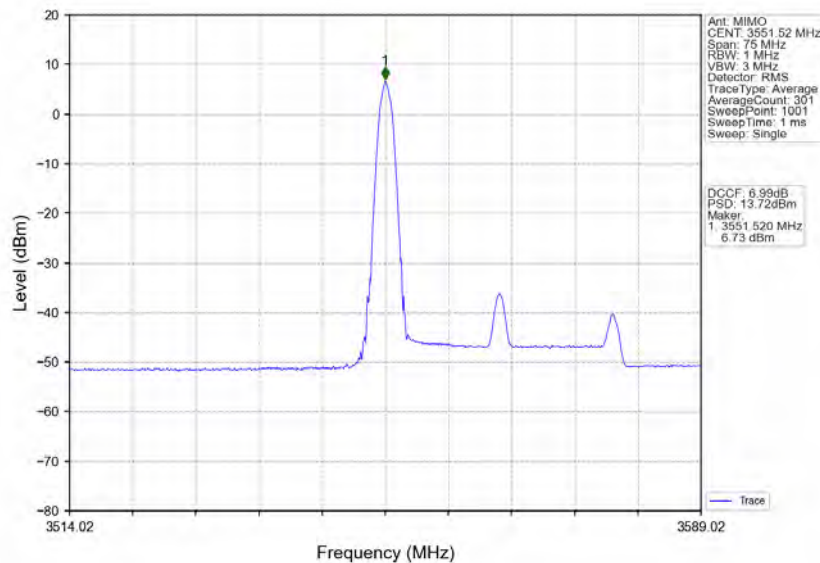
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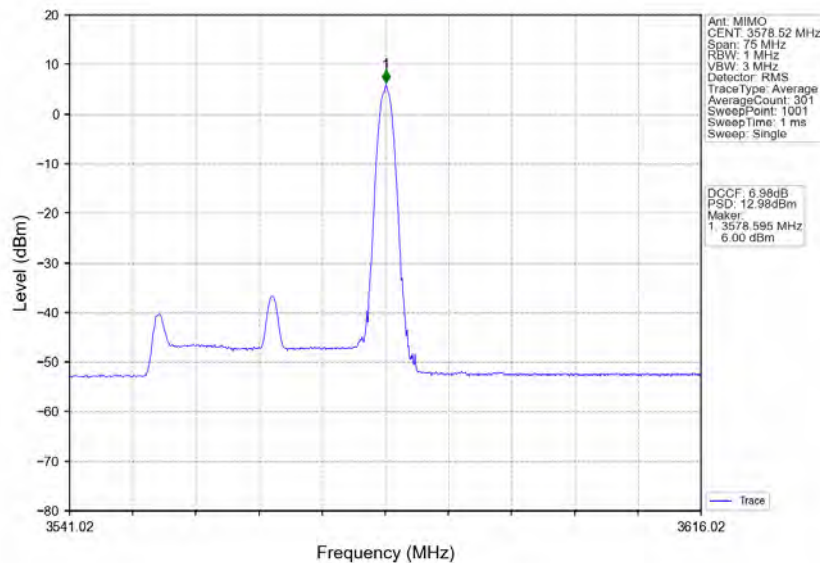
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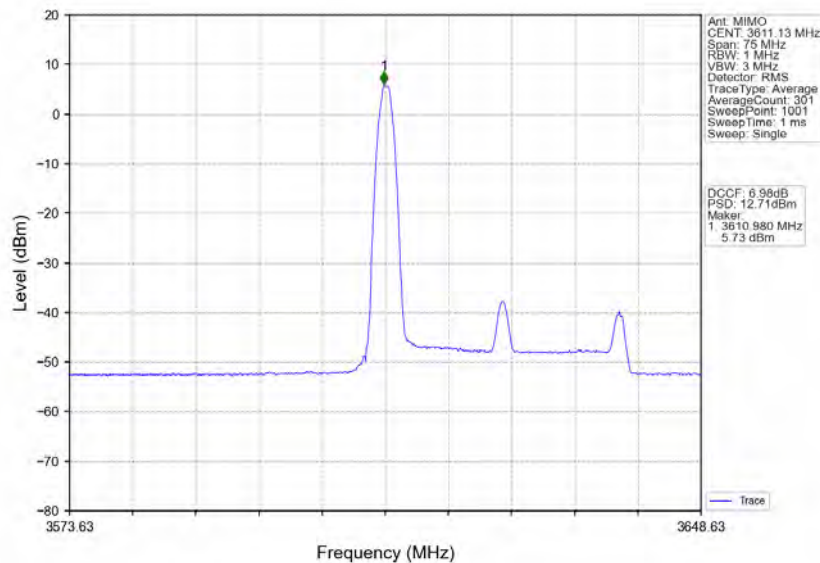
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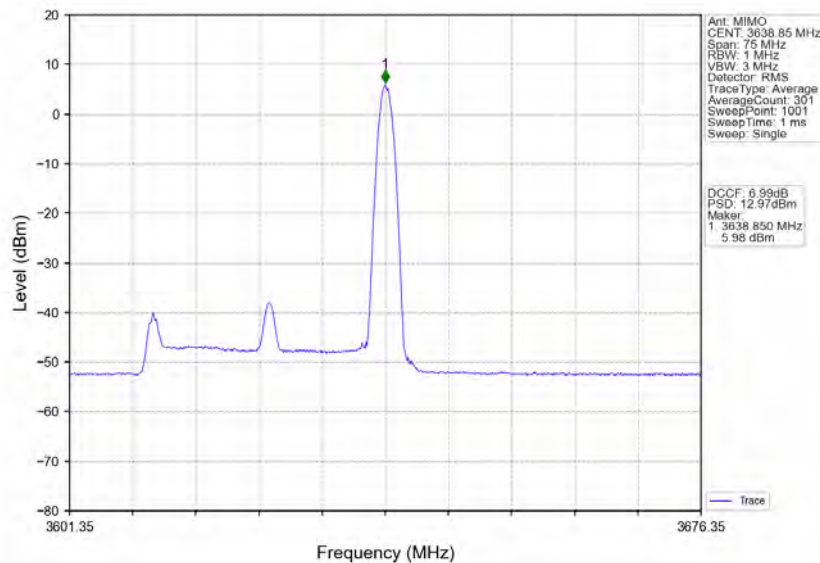
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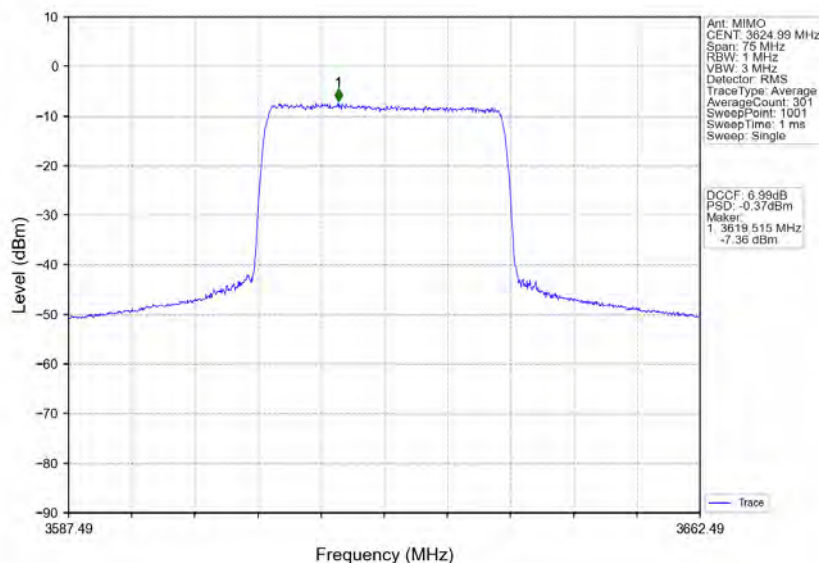
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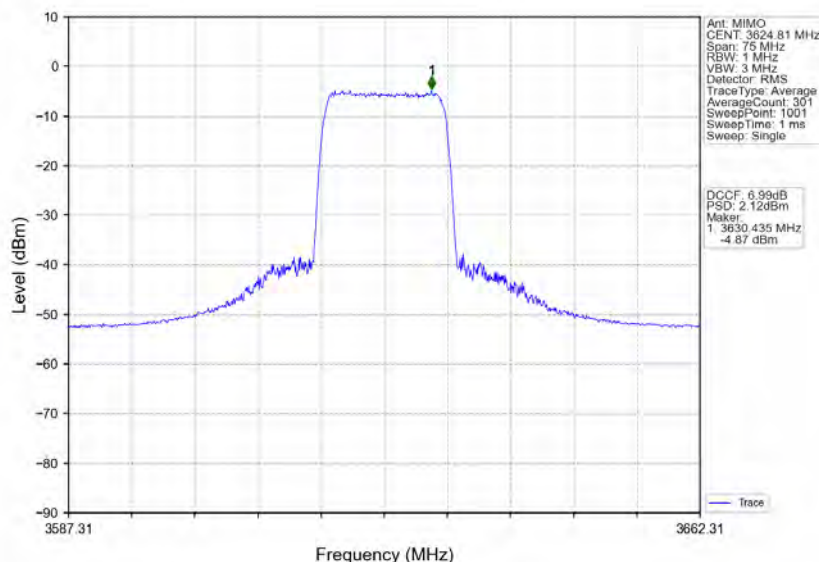
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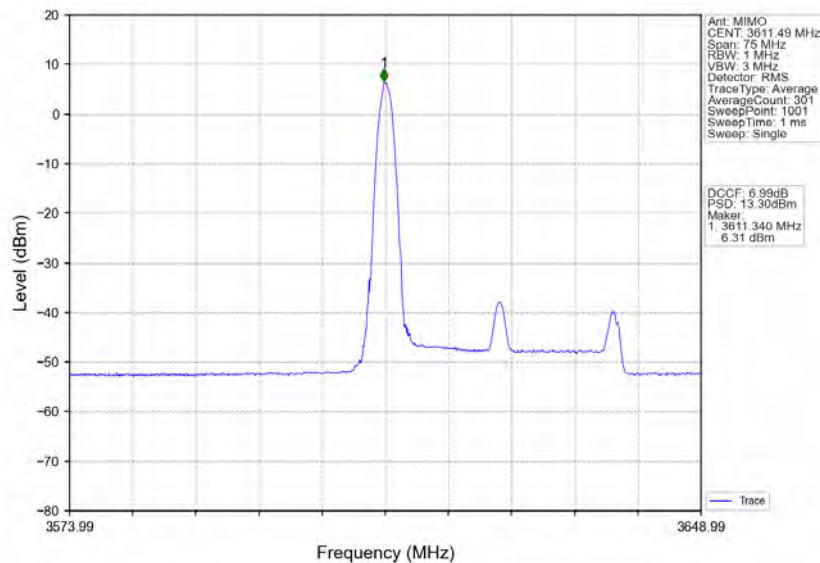
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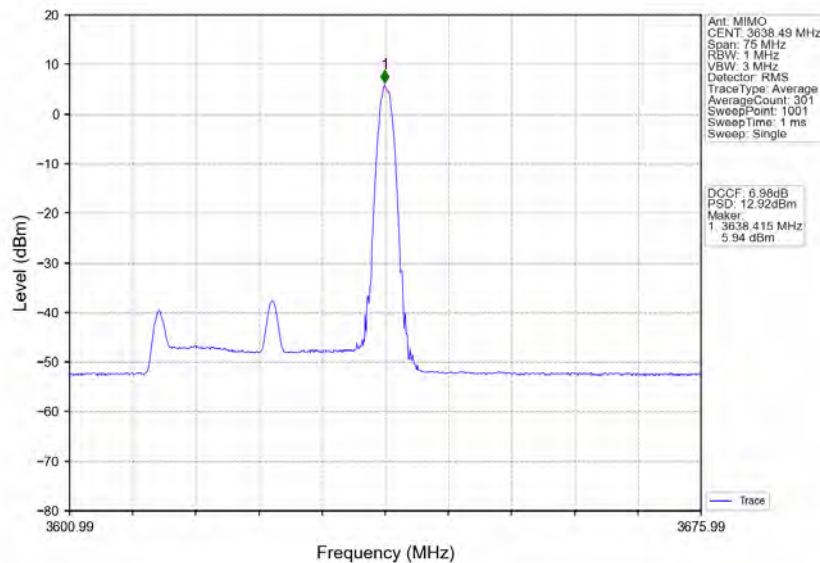
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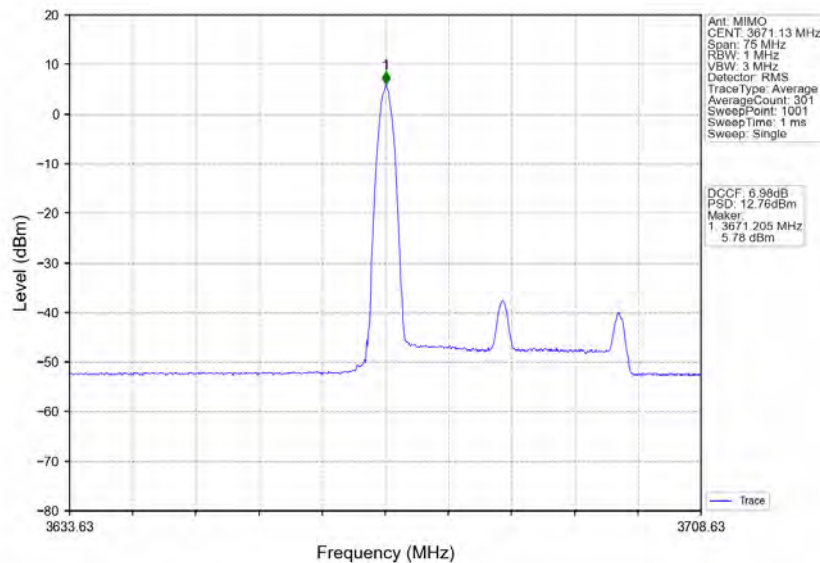
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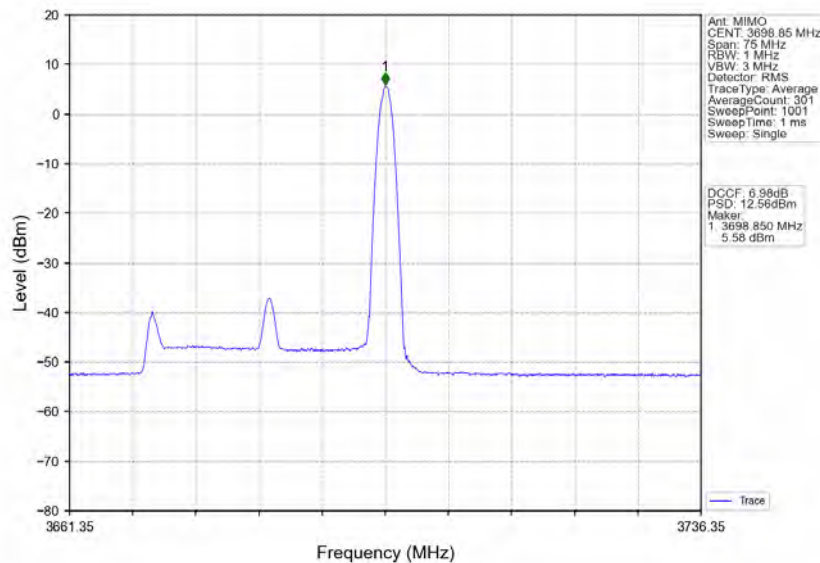
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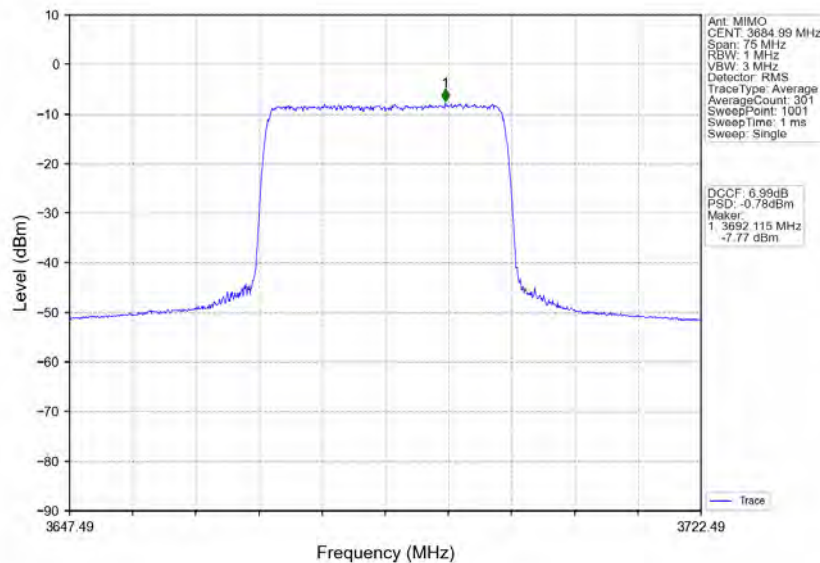
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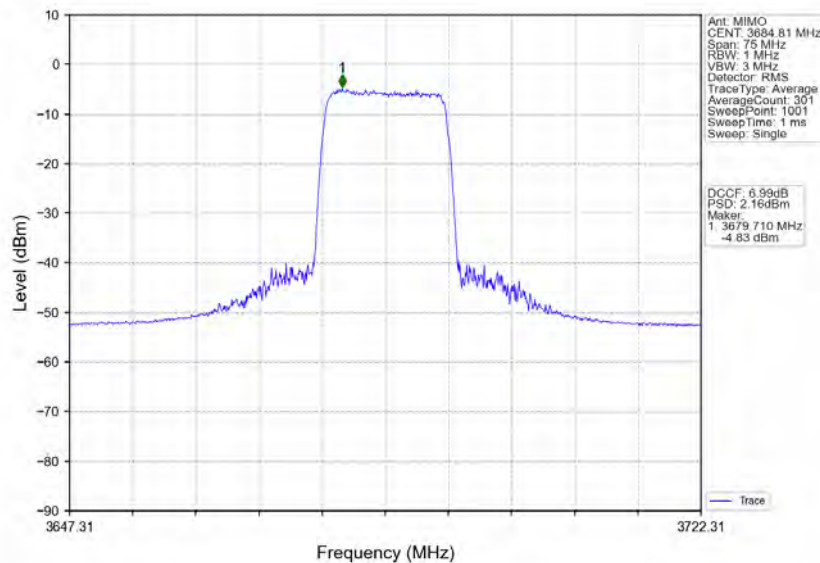
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n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM 64 QAM_3684.99MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM 64 QAM_3684.99MHz_Inner_Full



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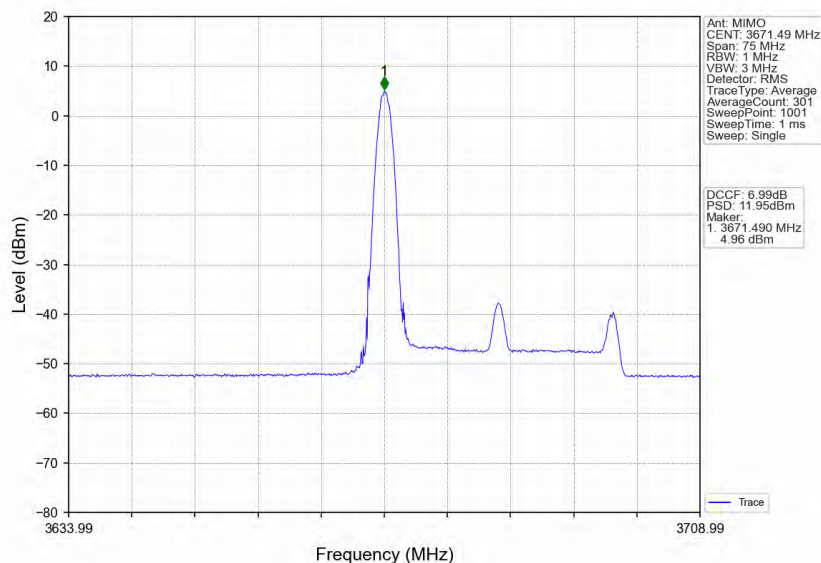
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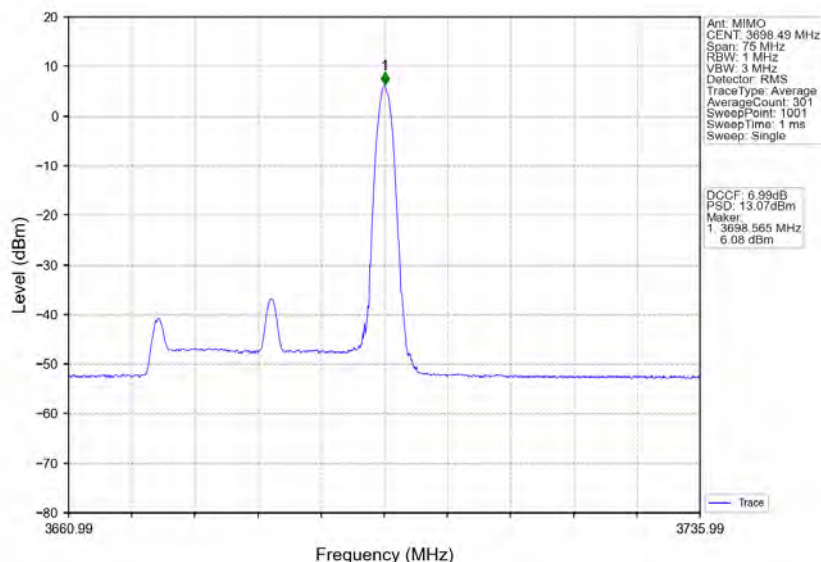
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n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM 64 QAM_3684.99MHz_Inner_1RB_Left



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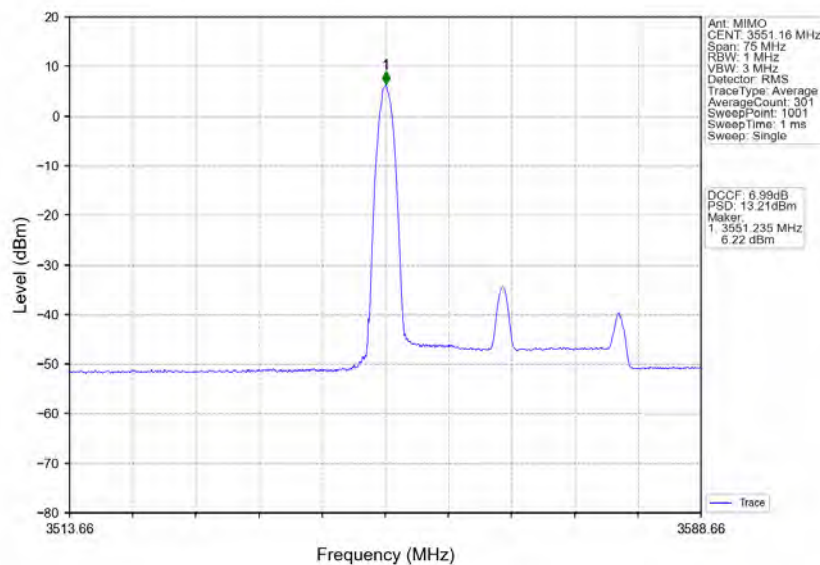
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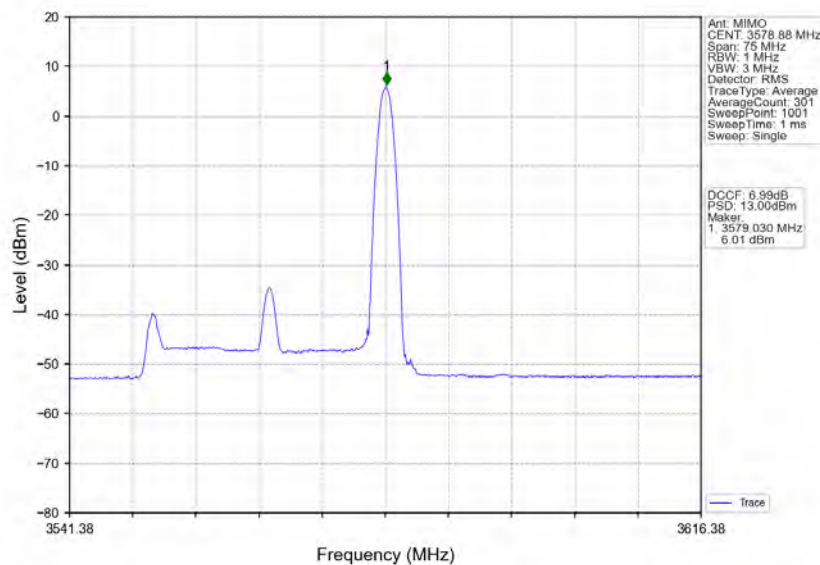
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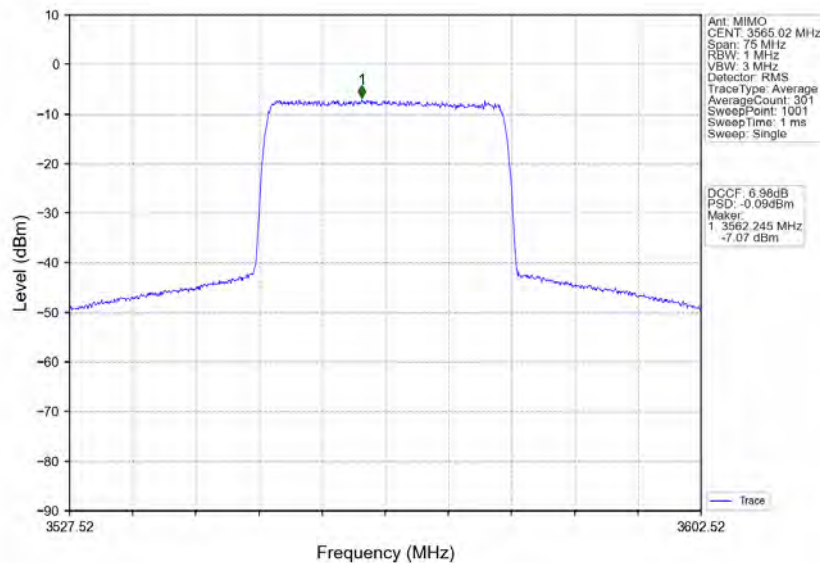
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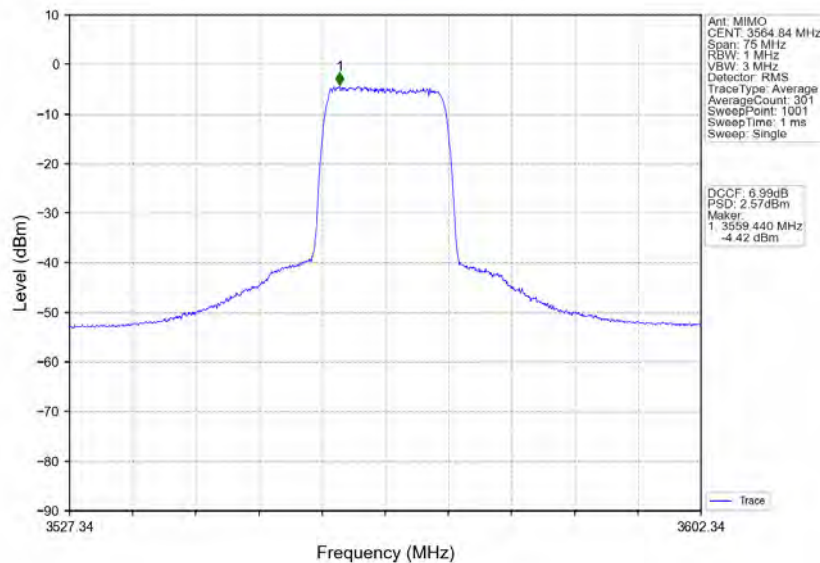
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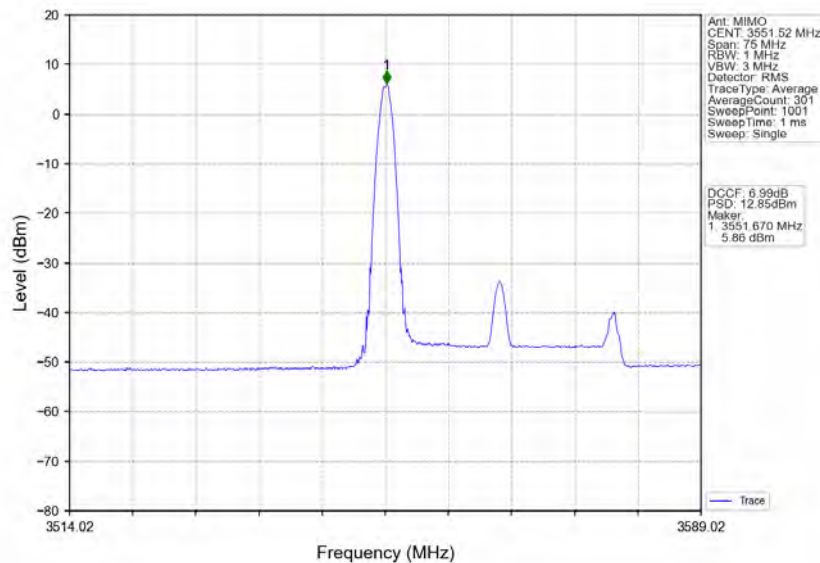
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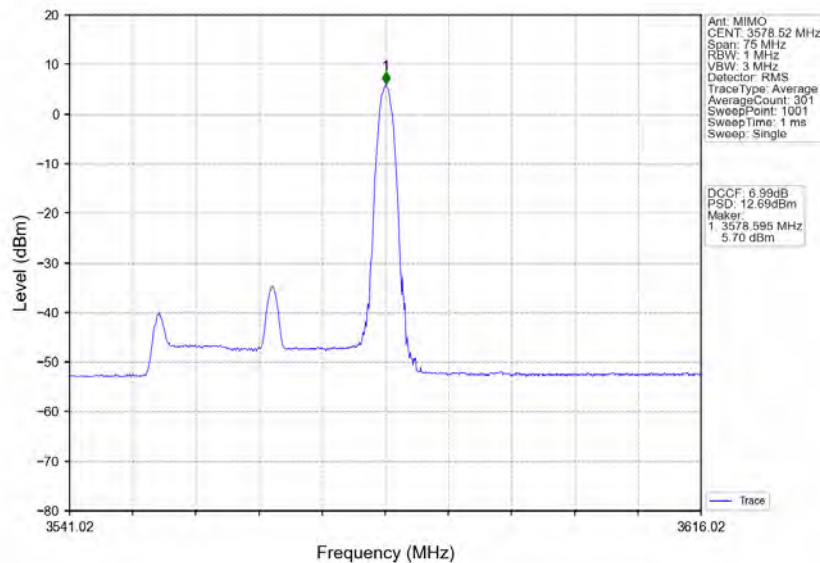
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n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM_256_QAM_3565.02MHz_Inner_1RB_Left



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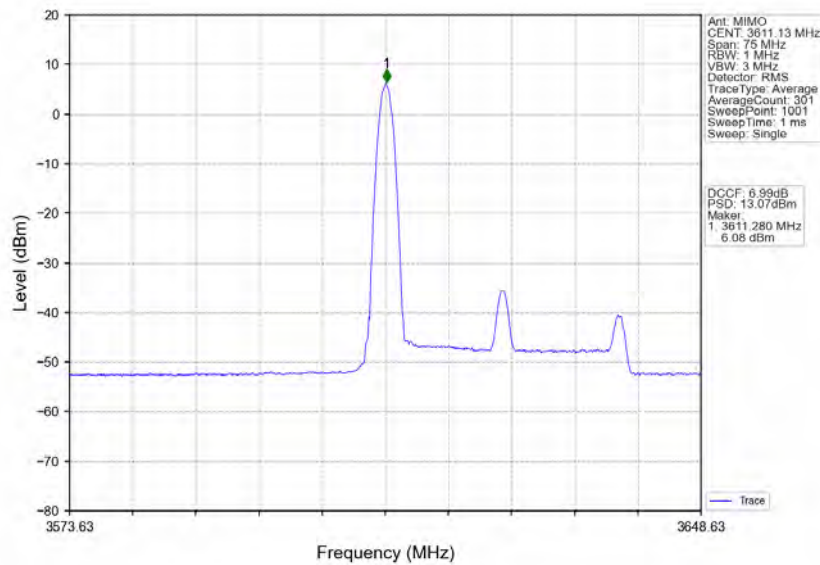
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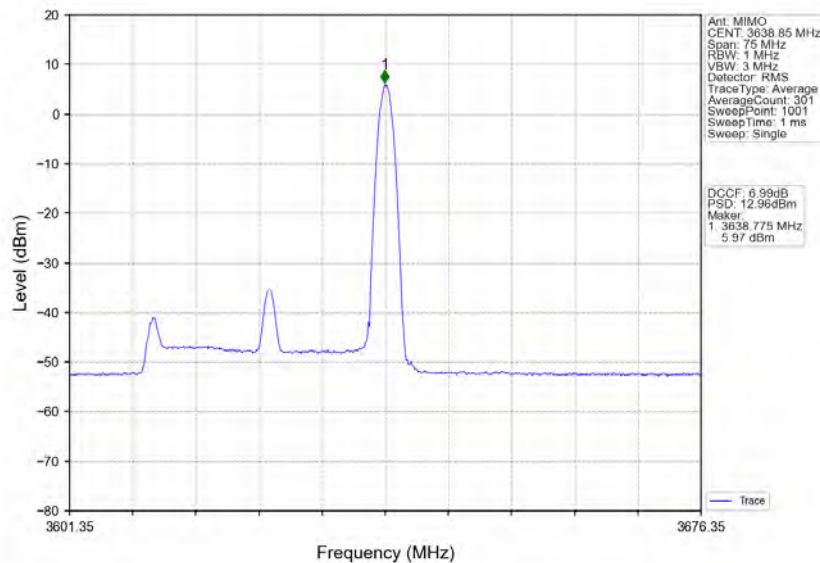
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n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM_256_QAM_3624.99MHz_Edge_1RB_Left



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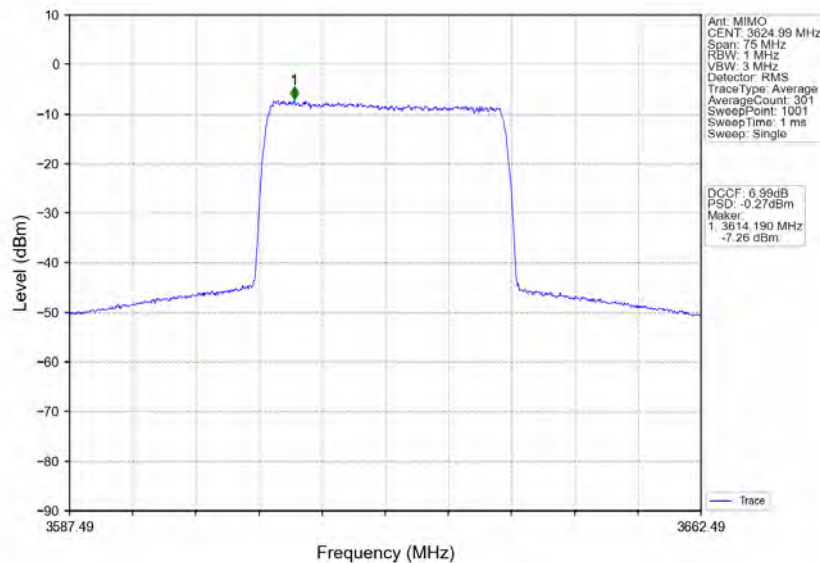
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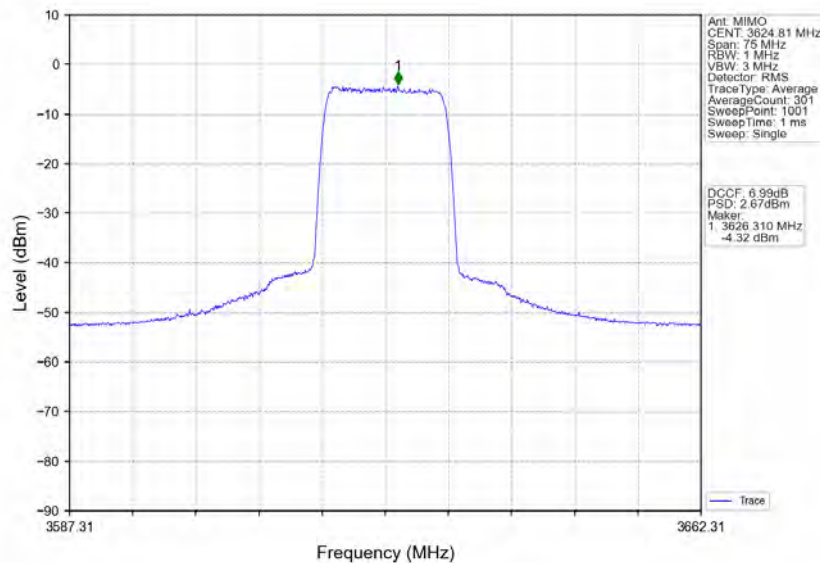
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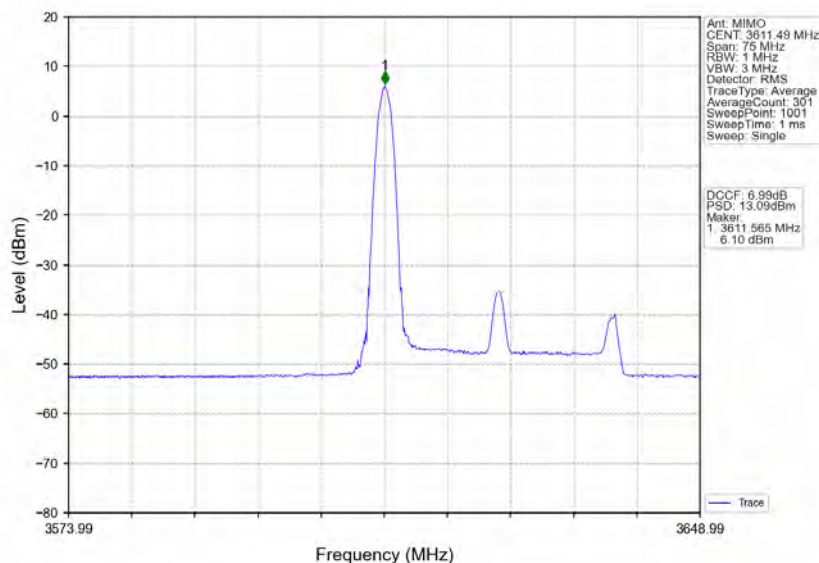
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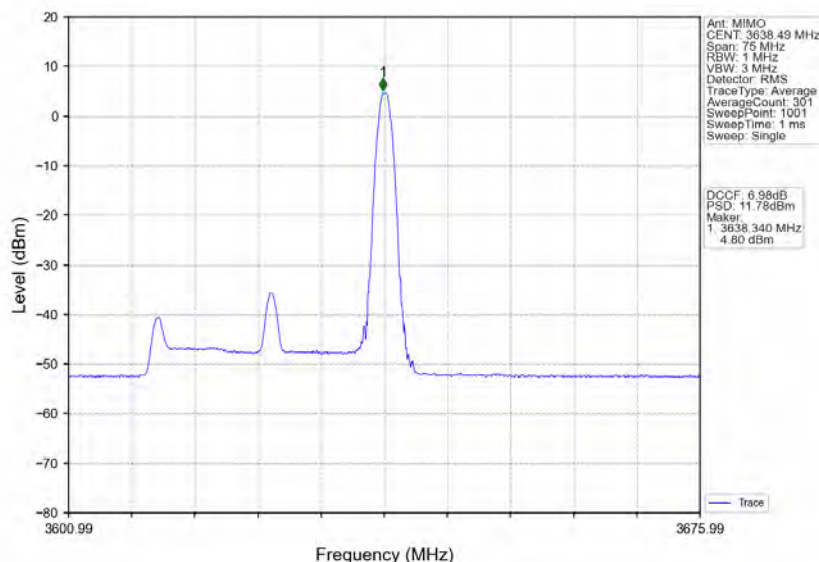
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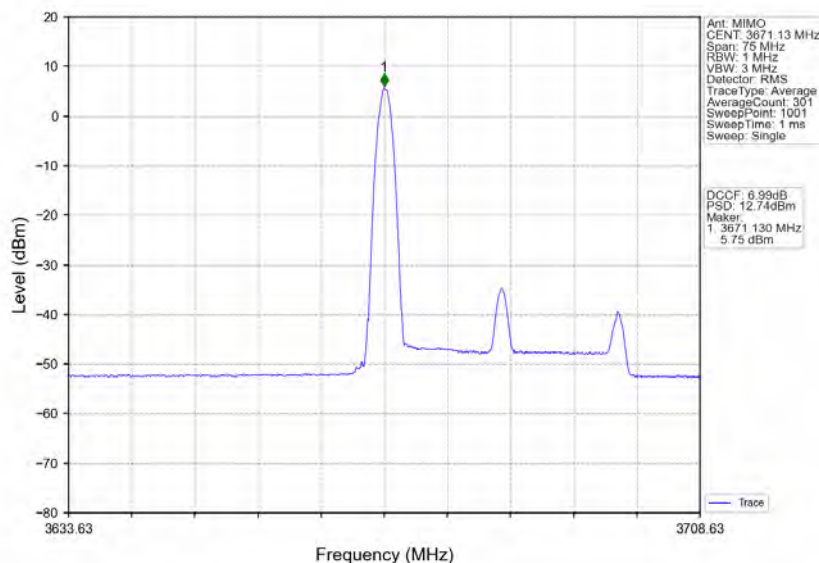
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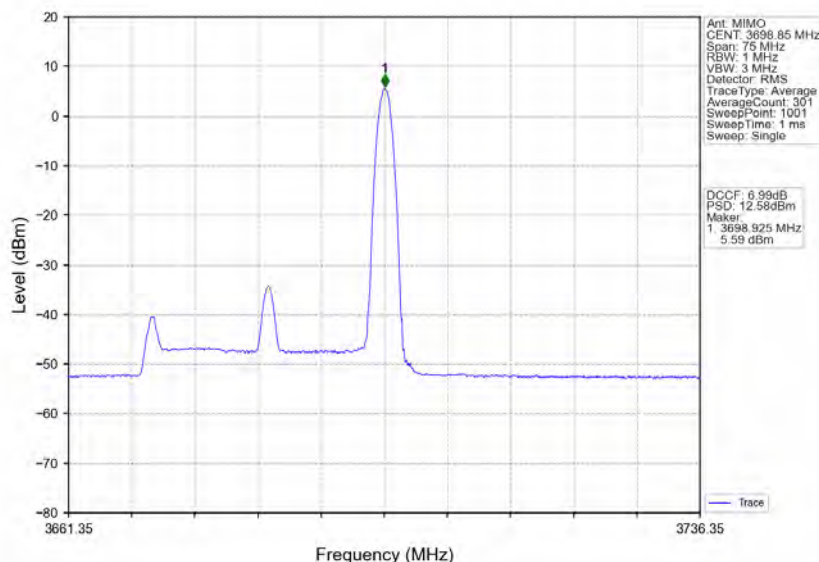
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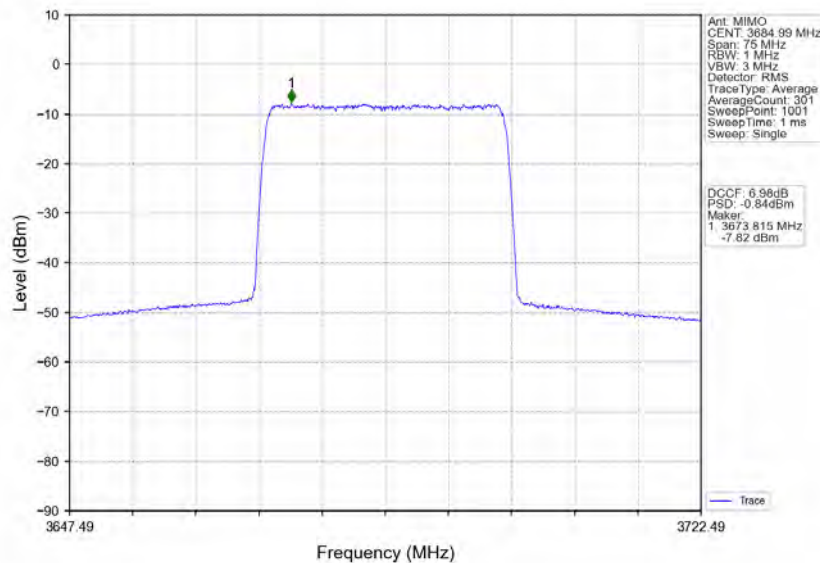
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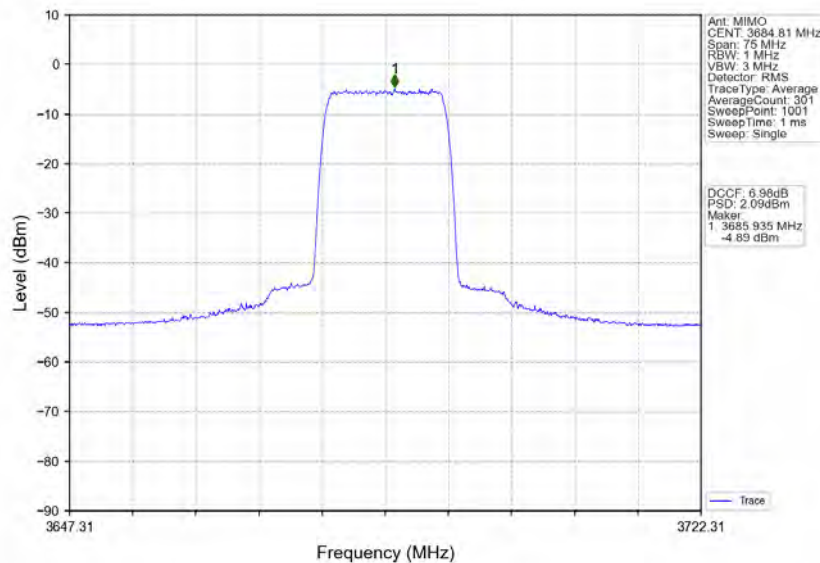
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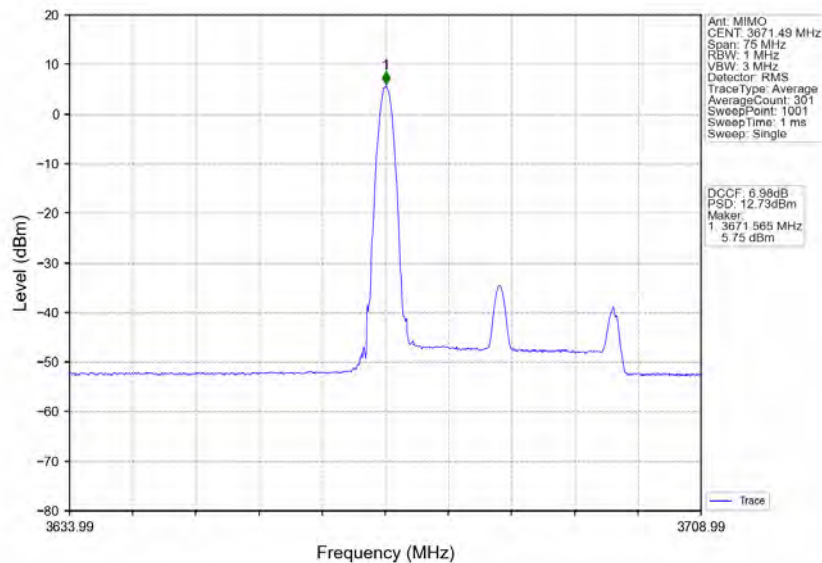
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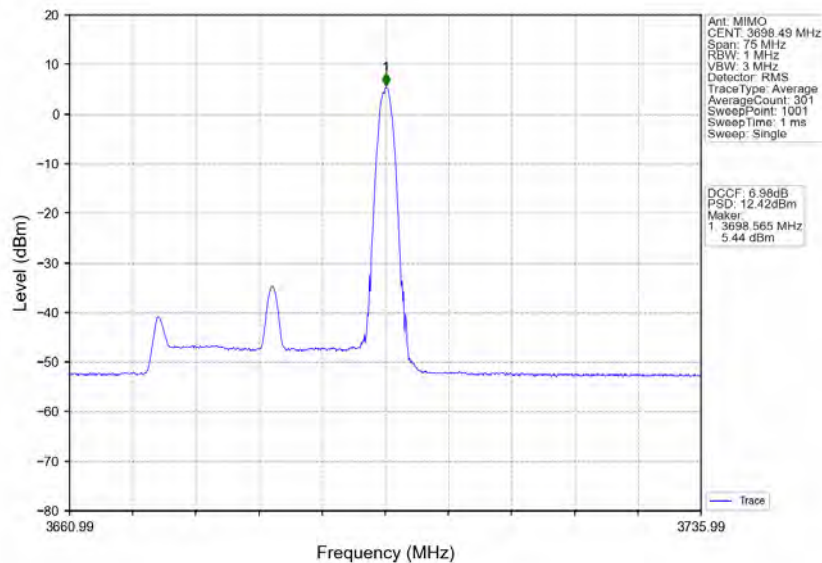
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2.13 30k_MIMO_40MHz_NTNV_EIRP

2.13.1 Test Result

5G NR n78d SCS=30kHz MIMO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3570	Edge 1RB Left	10.68	10.75	13.72	15.58	16.55	19.10	-	Pass
		Edge 1RB Right	10.62	10.75	13.69	15.52	16.55	19.08	-	Pass
		Outer Full	10.62	10.64	13.64	15.52	16.44	19.01	-	Pass
		Inner Full	10.57	10.59	13.59	15.47	16.39	18.96	-	Pass
		Inner 1RB Left	10.60	10.73	13.67	15.50	16.53	19.06	-	Pass
		Inner 1RB Right	10.66	10.76	13.72	15.56	16.56	19.10	-	Pass
	3624.99	Edge 1RB Left	11.00	11.00	14.01	15.90	16.80	19.38	-	Pass
		Edge 1RB Right	10.64	11.08	13.88	15.54	16.88	19.27	-	Pass
		Outer Full	10.69	11.08	13.90	15.59	16.88	19.29	-	Pass
		Inner Full	10.64	10.93	13.80	15.54	16.73	19.19	-	Pass
		Inner 1RB Left	10.93	11.06	14.00	15.83	16.86	19.39	-	Pass
		Inner 1RB Right	10.53	10.91	13.74	15.43	16.71	19.13	-	Pass
	3679.98	Edge 1RB Left	10.58	11.00	13.80	15.48	16.80	19.20	-	Pass
		Edge 1RB Right	10.77	11.06	13.93	15.67	16.86	19.32	-	Pass
		Outer Full	10.57	10.89	13.75	15.47	16.69	19.13	-	Pass
		Inner Full	10.49	10.81	13.67	15.39	16.61	19.05	-	Pass
		Inner 1RB Left	10.60	10.96	13.80	15.50	16.76	19.19	-	Pass
		Inner 1RB Right	10.79	10.94	13.87	15.69	16.74	19.26	-	Pass
CP-OFDM 16 QAM	3570	Edge 1RB Left	10.39	10.73	13.57	15.29	16.53	18.96	-	Pass
		Edge 1RB Right	10.48	10.85	13.68	15.38	16.65	19.07	-	Pass
		Outer Full	10.63	10.59	13.62	15.53	16.39	18.99	-	Pass
		Inner Full	10.65	10.55	13.61	15.55	16.35	18.98	-	Pass
		Inner 1RB Left	10.49	10.84	13.68	15.39	16.64	19.07	-	Pass
		Inner 1RB Right	10.41	10.66	13.55	15.31	16.46	18.93	-	Pass
	3624.99	Edge 1RB Left	10.83	11.20	14.03	15.73	17.00	19.42	-	Pass
		Edge 1RB Right	10.37	11.06	13.74	15.27	16.86	19.15	-	Pass
		Outer Full	10.64	11.05	13.86	15.54	16.85	19.25	-	Pass
		Inner Full	10.77	11.04	13.92	15.67	16.84	19.30	-	Pass
		Inner 1RB Left	10.83	11.22	14.04	15.73	17.02	19.43	-	Pass
		Inner 1RB Right	10.44	11.17	13.83	15.34	16.97	19.24	-	Pass
	3679.98	Edge 1RB Left	10.37	11.09	13.75	15.27	16.89	19.17	-	Pass
		Edge 1RB Right	10.55	11.04	13.81	15.45	16.84	19.21	-	Pass
		Outer Full	10.57	10.92	13.76	15.47	16.72	19.15	-	Pass
		Inner Full	10.55	10.88	13.72	15.45	16.68	19.12	-	Pass
		Inner 1RB Left	10.35	11.22	13.82	15.25	17.02	19.23	-	Pass
		Inner 1RB Right	10.53	11.03	13.80	15.43	16.83	19.20	-	Pass
CP-OFDM 64 QAM	3570	Edge 1RB Left	10.72	10.88	13.81	15.62	16.68	19.19	-	Pass
		Edge 1RB Right	10.73	11.00	13.88	15.63	16.80	19.26	-	Pass
		Outer Full	10.61	10.64	13.64	15.51	16.44	19.01	-	Pass
		Inner Full	10.65	10.55	13.61	15.55	16.35	18.98	-	Pass
		Inner 1RB Left	10.69	10.82	13.77	15.59	16.62	19.15	-	Pass
		Inner 1RB Right	10.80	10.93	13.87	15.70	16.73	19.26	-	Pass
	3624.99	Edge 1RB Left	10.92	11.27	14.11	15.82	17.07	19.50	-	Pass
		Edge 1RB Right	10.71	11.17	13.95	15.61	16.97	19.35	-	Pass



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CP-OFDM 256 QAM		Outer_Full	10.72	11.12	13.93	15.62	16.92	19.33	-	Pass
		Inner_Full	10.71	11.06	13.89	15.61	16.86	19.29	-	Pass
		Inner_1RB_Left	10.97	11.29	14.14	15.87	17.09	19.53	-	Pass
		Inner_1RB_Right	10.66	11.20	13.95	15.56	17.00	19.35	-	Pass
	3679.98	Edge_1RB_Left	10.55	11.30	13.95	15.45	17.10	19.36	-	Pass
		Edge_1RB_Right	10.72	11.26	14.01	15.62	17.06	19.41	-	Pass
		Outer_Full	10.53	10.98	13.77	15.43	16.78	19.17	-	Pass
		Inner_Full	10.47	10.79	13.64	15.37	16.59	19.03	-	Pass
		Inner_1RB_Left	10.58	11.31	13.97	15.48	17.11	19.38	-	Pass
		Inner_1RB_Right	10.74	11.20	13.98	15.64	17.00	19.38	-	Pass
	3570	Edge_1RB_Left	10.94	10.64	13.80	15.84	16.44	19.16	-	Pass
		Edge_1RB_Right	11.02	10.74	13.89	15.92	16.54	19.25	-	Pass
		Outer_Full	10.66	10.68	13.68	15.56	16.48	19.05	-	Pass
		Inner_Full	10.72	10.53	13.63	15.62	16.33	19.00	-	Pass
		Inner_1RB_Left	10.97	10.81	13.91	15.87	16.61	19.27	-	Pass
		Inner_1RB_Right	10.96	10.76	13.87	15.86	16.56	19.23	-	Pass
	3624.99	Edge_1RB_Left	11.12	11.09	14.12	16.02	16.89	19.49	-	Pass
		Edge_1RB_Right	10.63	11.07	13.86	15.53	16.87	19.26	-	Pass
		Outer_Full	10.76	11.08	13.93	15.66	16.88	19.32	-	Pass
		Inner_Full	10.70	11.02	13.87	15.60	16.82	19.26	-	Pass
		Inner_1RB_Left	11.10	11.11	14.12	16.00	16.91	19.49	-	Pass
		Inner_1RB_Right	10.77	10.98	13.89	15.67	16.78	19.27	-	Pass
	3679.98	Edge_1RB_Left	10.70	11.06	13.90	15.60	16.86	19.29	-	Pass
		Edge_1RB_Right	10.89	11.06	13.99	15.79	16.86	19.37	-	Pass
		Outer_Full	10.54	10.88	13.73	15.44	16.68	19.11	-	Pass
		Inner_Full	10.52	10.80	13.67	15.42	16.60	19.06	-	Pass
		Inner_1RB_Left	10.85	11.01	13.94	15.75	16.81	19.32	-	Pass
		Inner_1RB_Right	10.92	10.99	13.97	15.82	16.79	19.34	-	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

2.14 30k_MIMO_40MHz_NTNV_EIRP/10MHz

2.14.1 Test Result

5G NR n78d SCS=30kHz MIMO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3570	Edge_1RB_Left	9.63	11.01	13.38	14.53	16.81	18.83	<=30	Pass
		Edge_1RB_Right	10.49	9.70	13.12	15.39	15.50	18.46	<=30	Pass
		Outer_Full	3.86	5.29	7.64	8.76	11.09	13.09	<=30	Pass
		Inner_Full	8.49	7.44	11.01	13.39	13.24	16.33	<=30	Pass
		Inner_1RB_Left	10.53	10.06	13.31	15.43	15.86	18.66	<=30	Pass
		Inner_1RB_Right	10.53	10.28	13.42	15.43	16.08	18.78	<=30	Pass
	3624.99	Edge_1RB_Left	10.28	10.98	13.65	15.18	16.78	19.06	<=30	Pass
		Edge_1RB_Right	8.57	10.38	12.58	13.47	16.18	18.04	<=30	Pass
		Outer_Full	3.62	3.66	6.65	8.52	9.46	12.03	<=30	Pass
		Inner_Full	6.54	8.01	10.35	11.44	13.81	15.80	<=30	Pass
		Inner_1RB_Left	10.14	9.84	13.00	15.04	15.64	18.36	<=30	Pass
		Inner_1RB_Right	8.95	10.42	12.76	13.85	16.22	18.21	<=30	Pass
	3679.98	Edge_1RB_Left	8.75	8.08	11.44	13.65	13.88	16.78	<=30	Pass



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CP-OFDM 16 QAM		Edge 1RB Right	9.98	11.37	13.74	14.88	17.17	19.18	<=30	Pass
		Outer Full	4.11	5.18	7.69	9.01	10.98	13.12	<=30	Pass
		Inner Full	6.98	6.82	9.91	11.88	12.62	15.28	<=30	Pass
		Inner 1RB Left	10.20	8.83	12.58	15.10	14.63	17.88	<=30	Pass
		Inner 1RB Right	9.52	10.93	13.29	14.42	16.73	18.74	<=30	Pass
	3570	Edge 1RB Left	9.64	9.94	12.80	14.54	15.74	18.19	<=30	Pass
		Edge 1RB Right	10.01	10.67	13.36	14.91	16.47	18.77	<=30	Pass
		Outer Full	3.88	5.32	7.67	8.78	11.12	13.12	<=30	Pass
		Inner Full	7.51	7.61	10.57	12.41	13.41	15.95	<=30	Pass
		Inner 1RB Left	10.06	11.26	13.71	14.96	17.06	19.15	<=30	Pass
		Inner 1RB Right	9.72	10.45	13.11	14.62	16.25	18.52	<=30	Pass
	3624.99	Edge 1RB Left	11.77	10.26	14.09	16.67	16.06	19.39	<=30	Pass
		Edge 1RB Right	8.37	10.88	12.81	13.27	16.68	18.31	<=30	Pass
		Outer Full	4.09	3.96	7.04	8.99	9.76	12.40	<=30	Pass
		Inner Full	5.63	7.18	9.48	10.53	12.98	14.94	<=30	Pass
		Inner 1RB Left	10.84	10.68	13.77	15.74	16.48	19.14	<=30	Pass
	3679.98	Inner 1RB Right	8.99	9.84	12.45	13.89	15.64	17.86	<=30	Pass
		Edge 1RB Left	9.30	9.57	12.45	14.20	15.37	17.83	<=30	Pass
		Edge 1RB Right	8.63	9.25	11.96	13.53	15.05	17.37	<=30	Pass
		Outer Full	2.72	5.26	7.18	7.62	11.06	12.68	<=30	Pass
		Inner Full	6.53	7.06	9.81	11.43	12.86	15.21	<=30	Pass
CP-OFDM 64 QAM		Inner 1RB Left	9.45	8.64	12.07	14.35	14.44	17.41	<=30	Pass
		Inner 1RB Right	9.39	10.88	13.21	14.29	16.68	18.66	<=30	Pass
	3570	Edge 1RB Left	9.40	9.87	12.65	14.30	15.67	18.05	<=30	Pass
		Edge 1RB Right	9.14	11.30	13.36	14.04	17.10	18.84	<=30	Pass
		Outer Full	5.10	5.40	8.26	10.00	11.20	13.65	<=30	Pass
		Inner Full	7.25	6.70	9.99	12.15	12.50	15.34	<=30	Pass
		Inner 1RB Left	11.54	12.20	14.89	16.44	18.00	20.30	<=30	Pass
	3624.99	Inner 1RB Right	9.90	9.76	12.84	14.80	15.56	18.21	<=30	Pass
		Edge 1RB Left	9.11	10.19	12.69	14.01	15.99	18.12	<=30	Pass
		Edge 1RB Right	8.27	8.34	11.32	13.17	14.14	16.69	<=30	Pass
		Outer Full	2.67	5.03	7.02	7.57	10.83	12.51	<=30	Pass
		Inner Full	6.58	6.41	9.51	11.48	12.21	14.87	<=30	Pass
	3679.98	Inner 1RB Left	10.49	11.07	13.80	15.39	16.87	19.20	<=30	Pass
		Inner 1RB Right	10.87	11.17	14.03	15.77	16.97	19.42	<=30	Pass
		Edge 1RB Left	9.49	11.39	13.55	14.39	17.19	19.02	<=30	Pass
		Edge 1RB Right	9.09	9.54	12.33	13.99	15.34	17.73	<=30	Pass
		Outer Full	4.07	4.41	7.25	8.97	10.21	12.64	<=30	Pass
CP-OFDM 256 QAM		Inner Full	7.58	4.02	9.17	12.48	9.82	14.36	<=30	Pass
		Inner 1RB Left	10.55	9.81	13.21	15.45	15.61	18.54	<=30	Pass
		Inner 1RB Right	9.67	10.10	12.90	14.57	15.90	18.30	<=30	Pass
	3570	Edge 1RB Left	10.87	10.53	13.71	15.77	16.33	19.07	<=30	Pass
		Edge 1RB Right	10.29	11.04	13.69	15.19	16.84	19.10	<=30	Pass
		Outer Full	4.37	5.78	8.14	9.27	11.58	13.59	<=30	Pass
		Inner Full	7.72	7.57	10.66	12.62	13.37	16.02	<=30	Pass
		Inner 1RB Left	9.77	10.26	13.03	14.67	16.06	18.43	<=30	Pass
	3624.99	Inner 1RB Right	10.77	9.41	13.15	15.67	15.21	18.46	<=30	Pass
		Edge 1RB Left	10.33	9.42	12.91	15.23	15.22	18.24	<=30	Pass
		Edge 1RB Right	9.49	9.41	12.46	14.39	15.21	17.83	<=30	Pass
		Outer Full	4.26	4.02	7.15	9.16	9.82	12.51	<=30	Pass
		Inner Full	5.82	8.49	10.37	10.72	14.29	15.87	<=30	Pass
	3679.98	Inner 1RB Left	9.81	10.75	13.32	14.71	16.55	18.74	<=30	Pass
		Inner 1RB Right	8.05	9.33	11.75	12.95	15.13	17.19	<=30	Pass
		Edge 1RB Left	9.55	10.03	12.81	14.45	15.83	18.20	<=30	Pass

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	Edge_1RB_Right	10.67	9.75	13.24	15.57	15.55	18.57	<=30	Pass
	Outer_Full	2.84	4.22	6.59	7.74	10.02	12.04	<=30	Pass
	Inner_Full	5.46	6.27	8.89	10.36	12.07	14.31	<=30	Pass
	Inner_1RB_Left	10.12	8.82	12.53	15.02	14.62	17.83	<=30	Pass
	Inner_1RB_Right	8.88	11.14	13.17	13.78	16.94	18.65	<=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

2.15 30k_MIMO_40MHz_NTNV_PSD

2.15.1 Test Result

5G NR n78d SCS=30kHz MIMO 40MHz 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	3570	Edge_1RB_Left	9.63	11.01	13.18	14.53	16.81	18.98	<=20	Pass
		Edge_1RB_Right	10.49	9.70	12.22	15.39	15.50	18.02	<=20	Pass
		Outer_Full	3.86	5.29	-1.74	8.76	11.09	4.06	<=20	Pass
		Inner_Full	8.49	7.44	1.24	13.39	13.24	7.04	<=20	Pass
		Inner_1RB_Left	10.53	10.06	13.43	15.43	15.86	19.23	<=20	Pass
		Inner_1RB_Right	10.53	10.28	13.48	15.43	16.08	19.28	<=20	Pass
	3624.99	Edge_1RB_Left	10.28	10.98	13.71	15.18	16.78	19.51	<=20	Pass
		Edge_1RB_Right	8.57	10.38	12.39	13.47	16.18	18.19	<=20	Pass
		Outer_Full	3.62	3.66	-1.27	8.52	9.46	4.53	<=20	Pass
		Inner_Full	6.54	8.01	1.65	11.44	13.81	7.45	<=20	Pass
		Inner_1RB_Left	10.14	9.84	13.19	15.04	15.64	18.99	<=20	Pass
		Inner_1RB_Right	8.95	10.42	12.60	13.85	16.22	18.40	<=20	Pass
	3679.98	Edge_1RB_Left	8.75	8.08	13.16	13.65	13.88	18.96	<=20	Pass
		Edge_1RB_Right	9.98	11.37	13.66	14.88	17.17	19.46	<=20	Pass
		Outer_Full	4.11	5.18	-1.40	9.01	10.98	4.40	<=20	Pass
		Inner_Full	6.98	6.82	1.28	11.88	12.62	7.08	<=20	Pass
		Inner_1RB_Left	10.20	8.83	12.80	15.10	14.63	18.60	<=20	Pass
		Inner_1RB_Right	9.52	10.93	13.11	14.42	16.73	18.91	<=20	Pass
CP-OFDM 16 QAM	3570	Edge_1RB_Left	9.64	9.94	13.79	14.54	15.74	19.59	<=20	Pass
		Edge_1RB_Right	10.01	10.67	13.61	14.91	16.47	19.41	<=20	Pass
		Outer_Full	3.88	5.32	-1.62	8.78	11.12	4.18	<=20	Pass
		Inner_Full	7.51	7.61	1.47	12.41	13.41	7.27	<=20	Pass
		Inner_1RB_Left	10.06	11.26	13.04	14.96	17.06	18.84	<=20	Pass
		Inner_1RB_Right	9.72	10.45	13.24	14.62	16.25	19.04	<=20	Pass
	3624.99	Edge_1RB_Left	11.77	10.26	13.19	16.67	16.06	18.99	<=20	Pass
		Edge_1RB_Right	8.37	10.88	12.41	13.27	16.68	18.21	<=20	Pass
		Outer_Full	4.09	3.96	-1.43	8.99	9.76	4.37	<=20	Pass
		Inner_Full	5.63	7.18	1.39	10.53	12.98	7.19	<=20	Pass
		Inner_1RB_Left	10.84	10.68	13.29	15.74	16.48	19.09	<=20	Pass
		Inner_1RB_Right	8.99	9.84	12.69	13.89	15.64	18.49	<=20	Pass
	3679.98	Edge_1RB_Left	9.30	9.57	12.62	14.20	15.37	18.42	<=20	Pass
		Edge_1RB_Right	8.63	9.25	13.55	13.53	15.05	19.35	<=20	Pass
		Outer_Full	2.72	5.26	-1.58	7.62	11.06	4.22	<=20	Pass
		Inner_Full	6.53	7.06	0.84	11.43	12.86	6.64	<=20	Pass
		Inner_1RB_Left	9.45	8.64	12.86	14.35	14.44	18.66	<=20	Pass
		Inner_1RB_Right	9.39	10.88	13.10	14.29	16.68	18.90	<=20	Pass



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CP-OFDM 64 QAM	3570	Edge 1RB Left	9.40	9.87	13.37	14.30	15.67	19.17	<=20	Pass
		Edge 1RB Right	9.14	11.30	13.40	14.04	17.10	19.20	<=20	Pass
		Outer Full	5.10	5.40	-1.34	10.00	11.20	4.46	<=20	Pass
		Inner Full	7.25	6.70	2.10	12.15	12.50	7.90	<=20	Pass
		Inner 1RB Left	11.54	12.20	13.05	16.44	18.00	18.85	<=20	Pass
		Inner 1RB Right	9.90	9.76	13.14	14.80	15.56	18.94	<=20	Pass
	3624.99	Edge 1RB Left	9.11	10.19	12.92	14.01	15.99	18.72	<=20	Pass
		Edge 1RB Right	8.27	8.34	12.52	13.17	14.14	18.32	<=20	Pass
		Outer Full	2.67	5.03	-1.63	7.57	10.83	4.17	<=20	Pass
		Inner Full	6.58	6.41	1.68	11.48	12.21	7.48	<=20	Pass
		Inner 1RB Left	10.49	11.07	13.67	15.39	16.87	19.47	<=20	Pass
		Inner 1RB Right	10.87	11.17	12.46	15.77	16.97	18.26	<=20	Pass
	3679.98	Edge 1RB Left	9.49	11.39	13.04	14.39	17.19	18.84	<=20	Pass
		Edge 1RB Right	9.09	9.54	11.99	13.99	15.34	17.79	<=20	Pass
		Outer Full	4.07	4.41	-1.79	8.97	10.21	4.01	<=20	Pass
		Inner Full	7.58	4.02	0.44	12.48	9.82	6.24	<=20	Pass
		Inner 1RB Left	10.55	9.81	12.75	15.45	15.61	18.55	<=20	Pass
		Inner 1RB Right	9.67	10.10	13.33	14.57	15.90	19.13	<=20	Pass
CP-OFDM 256 QAM	3570	Edge 1RB Left	10.87	10.53	13.50	15.77	16.33	19.30	<=20	Pass
		Edge 1RB Right	10.29	11.04	12.50	15.19	16.84	18.30	<=20	Pass
		Outer Full	4.37	5.78	-1.26	9.27	11.58	4.54	<=20	Pass
		Inner Full	7.72	7.57	1.71	12.62	13.37	7.51	<=20	Pass
		Inner 1RB Left	9.77	10.26	12.61	14.67	16.06	18.41	<=20	Pass
		Inner 1RB Right	10.77	9.41	13.04	15.67	15.21	18.84	<=20	Pass
	3624.99	Edge 1RB Left	10.33	9.42	13.82	15.23	15.22	19.62	<=20	Pass
		Edge 1RB Right	9.49	9.41	12.70	14.39	15.21	18.50	<=20	Pass
		Outer Full	4.26	4.02	-1.49	9.16	9.82	4.31	<=20	Pass
		Inner Full	5.82	8.49	1.32	10.72	14.29	7.12	<=20	Pass
		Inner 1RB Left	9.81	10.75	12.99	14.71	16.55	18.79	<=20	Pass
		Inner 1RB Right	8.05	9.33	13.19	12.95	15.13	18.99	<=20	Pass
	3679.98	Edge 1RB Left	9.55	10.03	13.30	14.45	15.83	19.10	<=20	Pass
		Edge 1RB Right	10.67	9.75	13.09	15.57	15.55	18.89	<=20	Pass
		Outer Full	2.84	4.22	-1.61	7.74	10.02	4.19	<=20	Pass
		Inner Full	5.46	6.27	0.76	10.36	12.07	6.56	<=20	Pass
		Inner 1RB Left	10.12	8.82	12.60	15.02	14.62	18.40	<=20	Pass
		Inner 1RB Right	8.88	11.14	13.31	13.78	16.94	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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