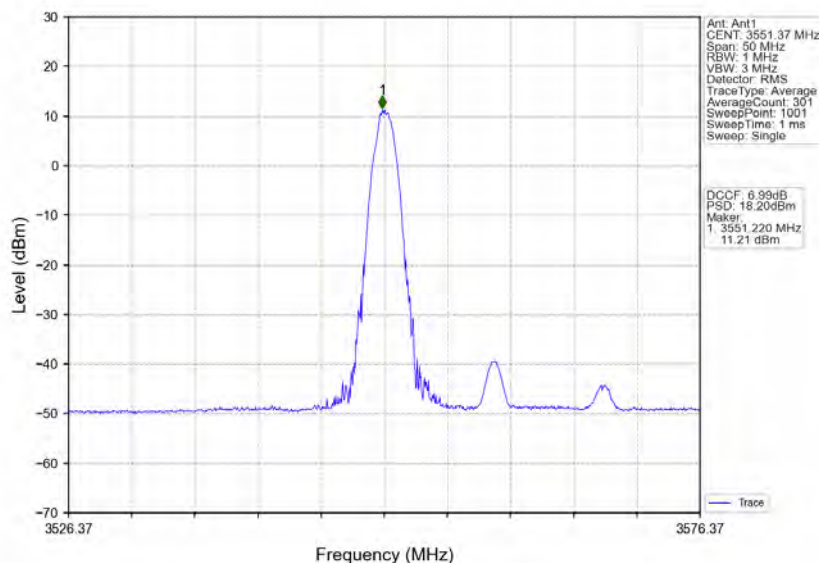
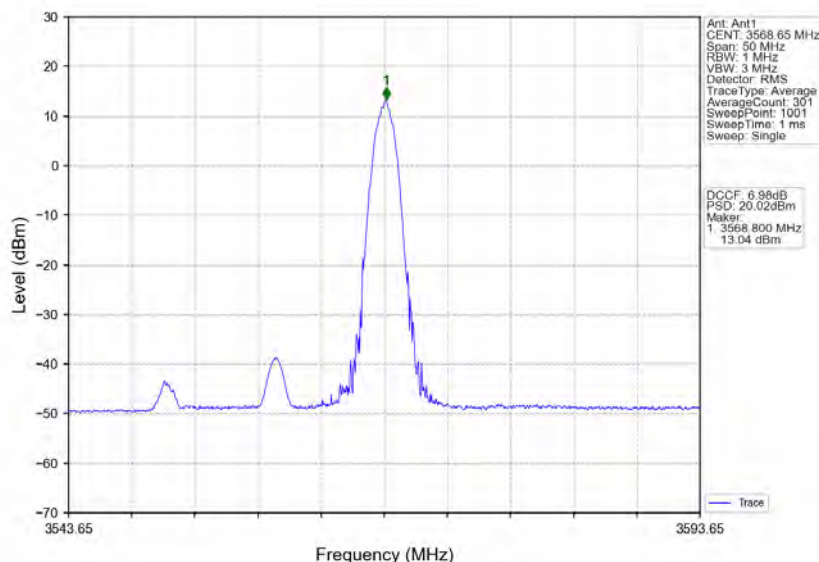


n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3560.01MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3560.01MHz_Inner_1RB_Right



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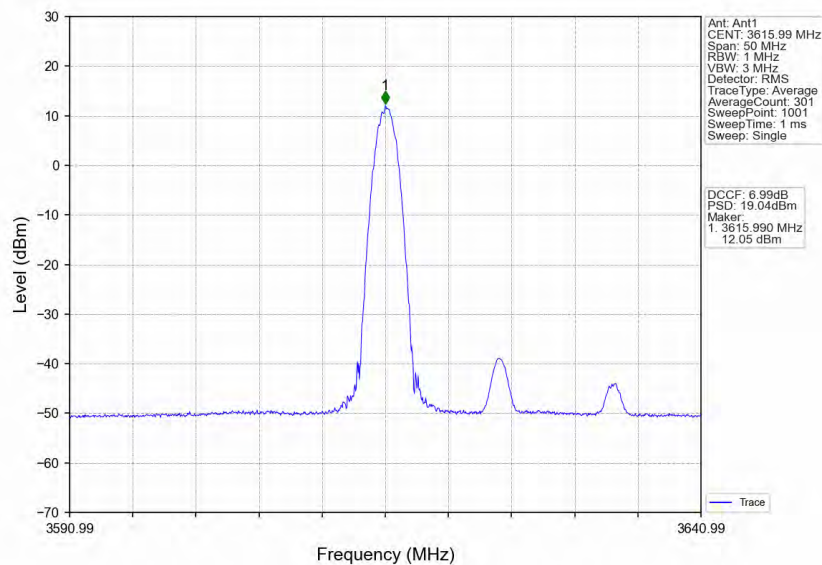
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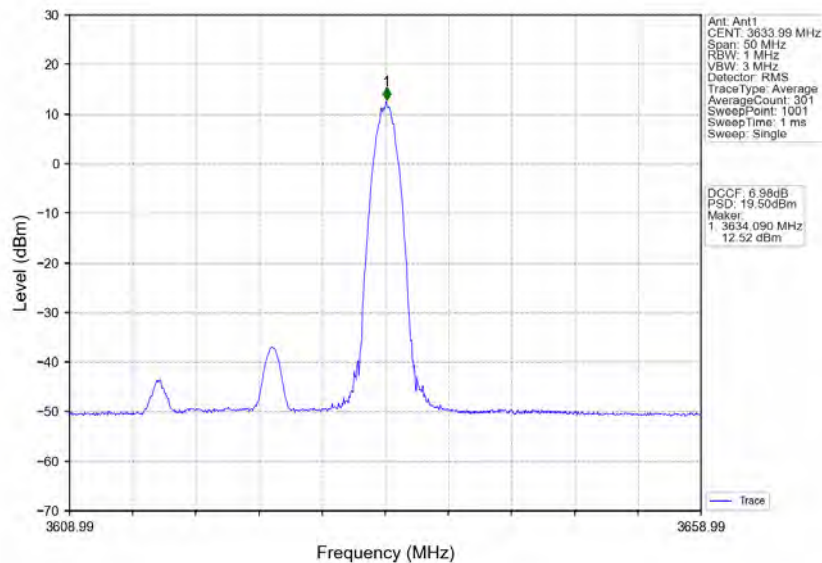
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3624.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3624.99MHz_Edge_1RB_Right



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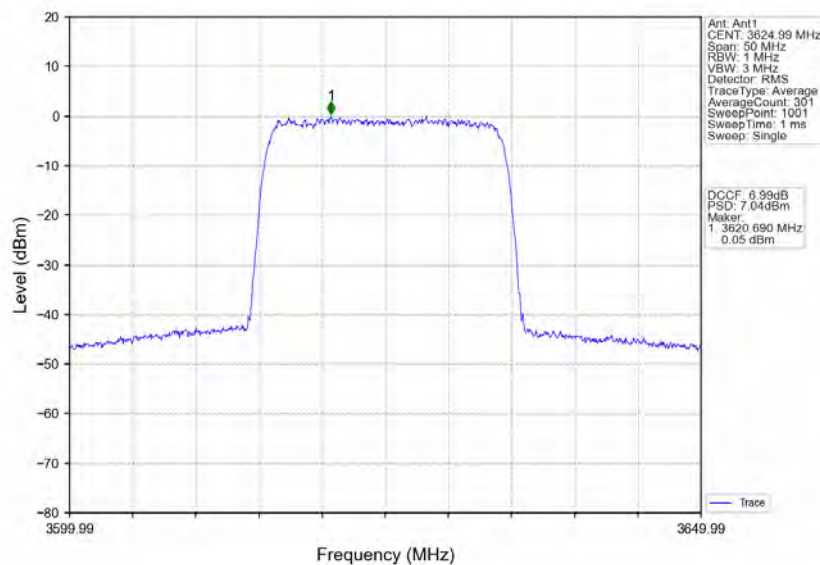
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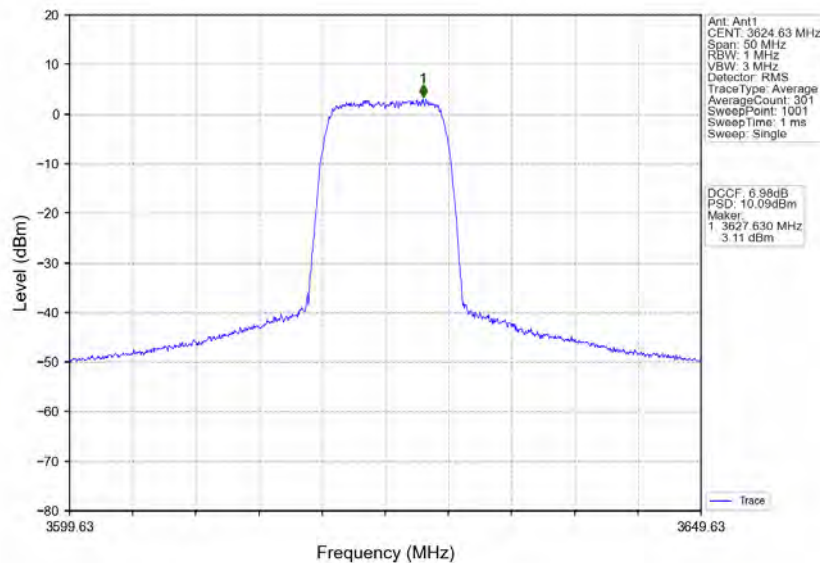
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM 256 QAM 3624.99MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM 256 QAM 3624.99MHz_Inner_Full



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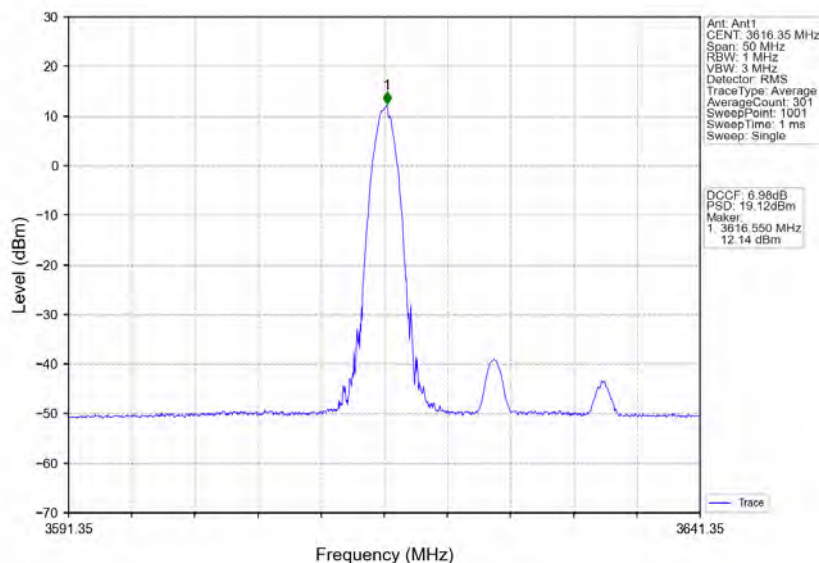
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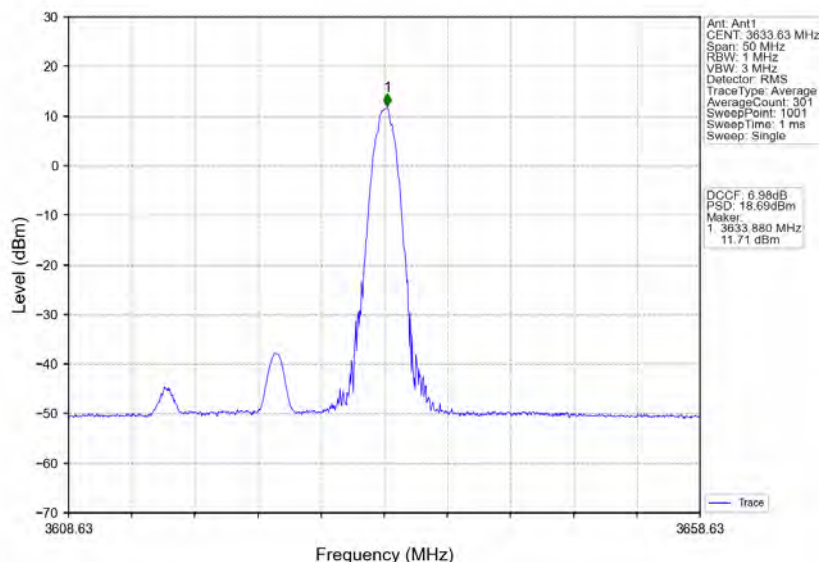
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3624.99MHz_Inner_1RB_Left



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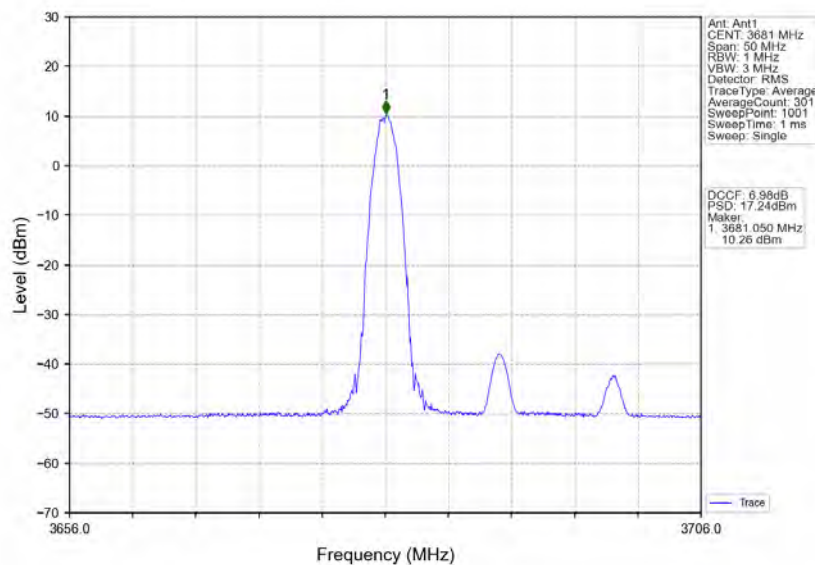
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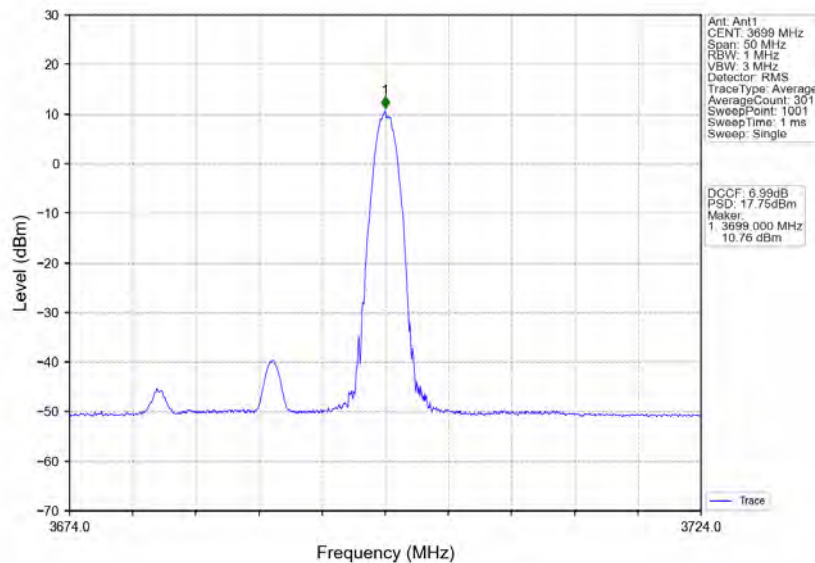
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3690MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3690MHz_Edge_1RB_Right



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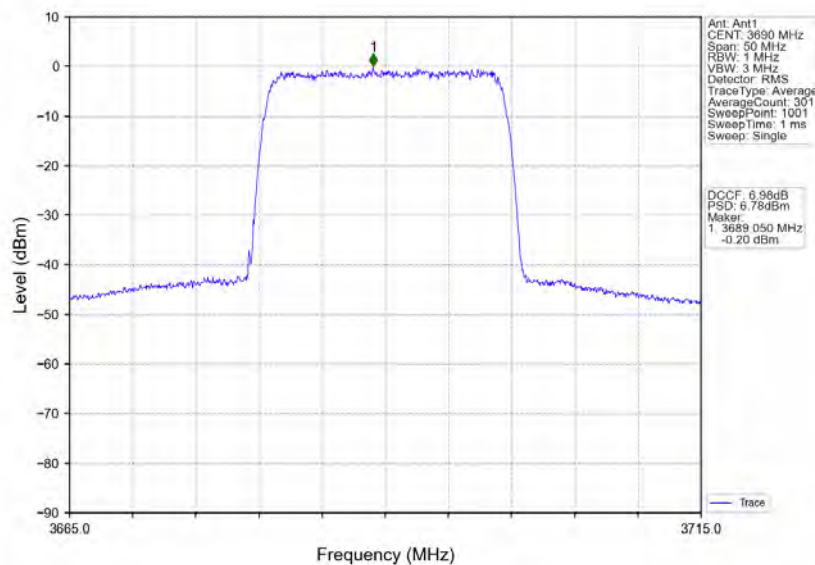
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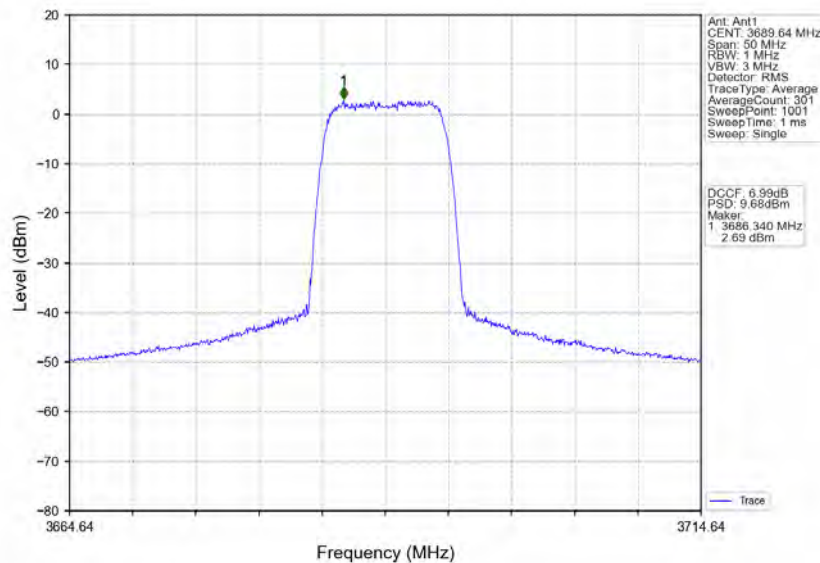
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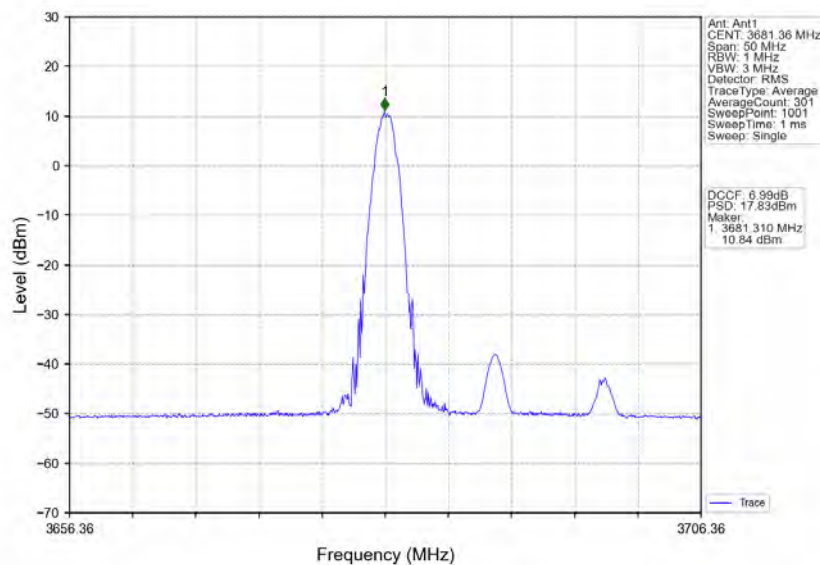
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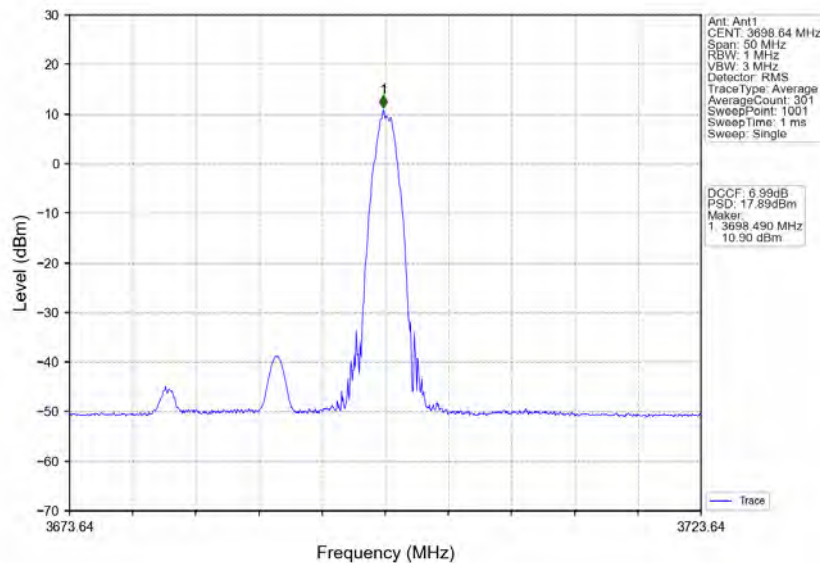
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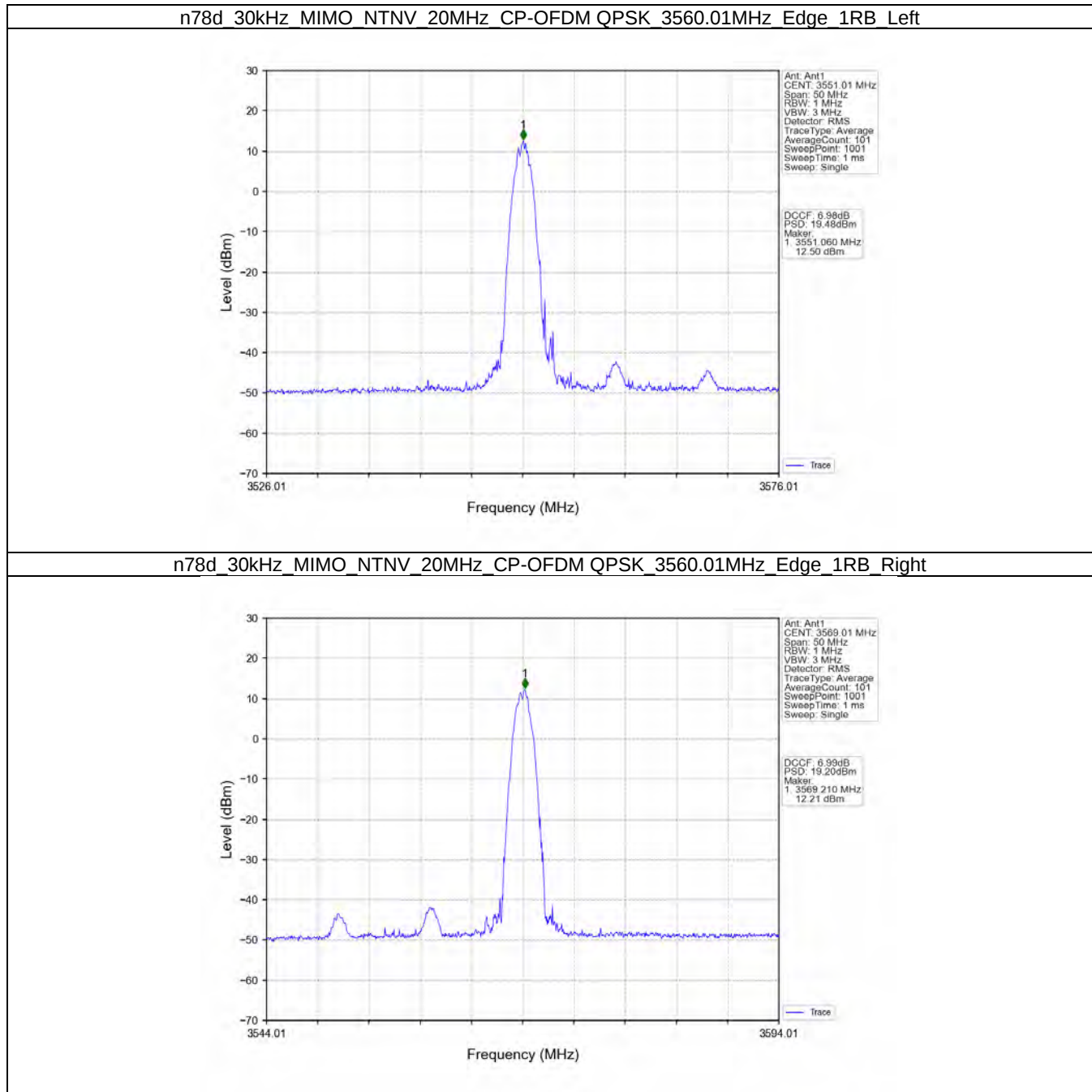
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2.9.3 Test Graph for ANT2



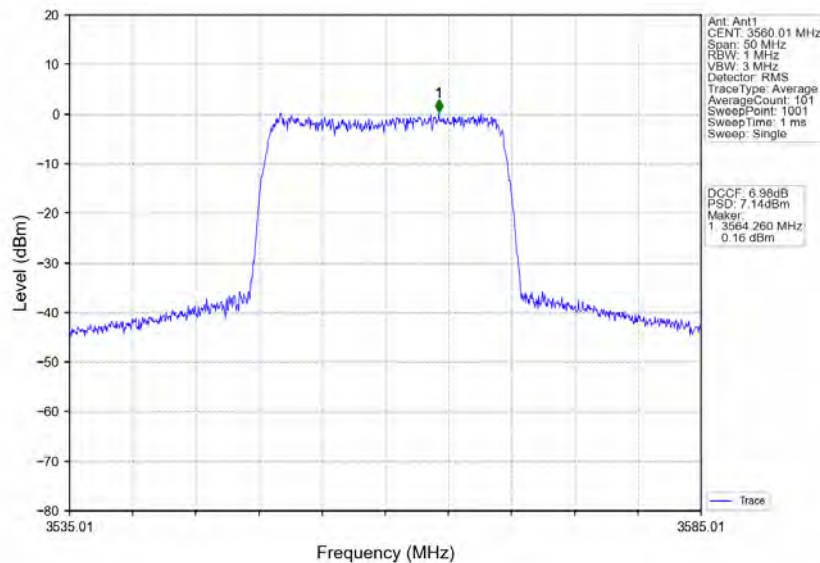
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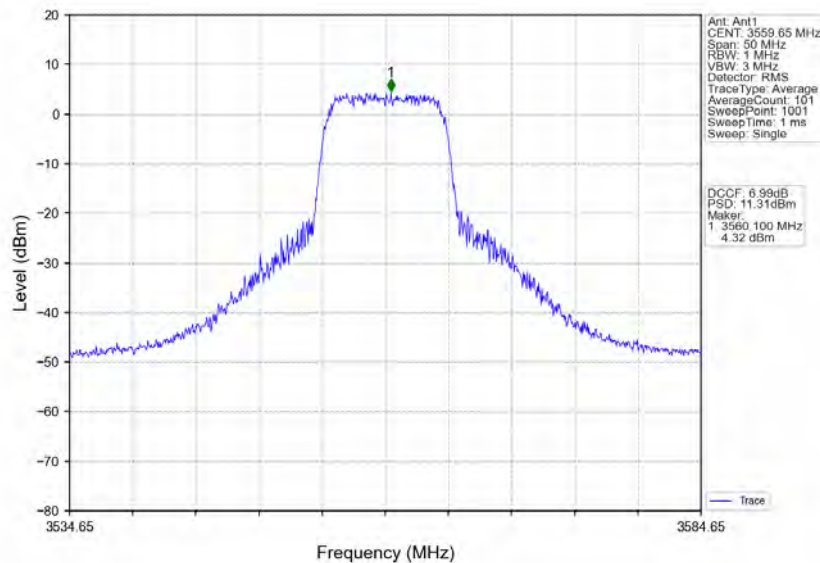
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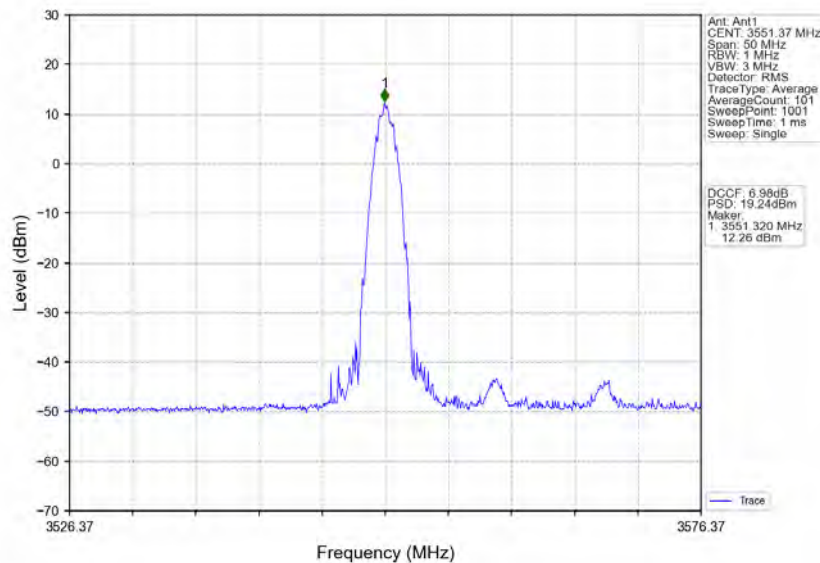
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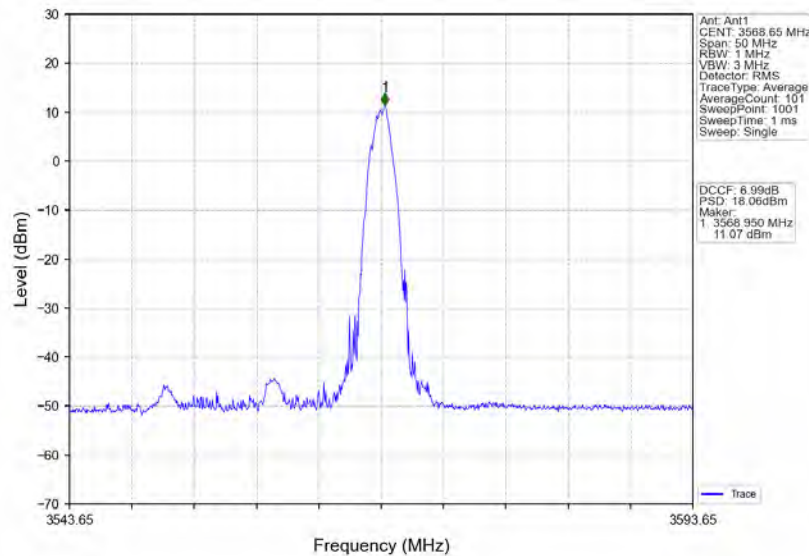
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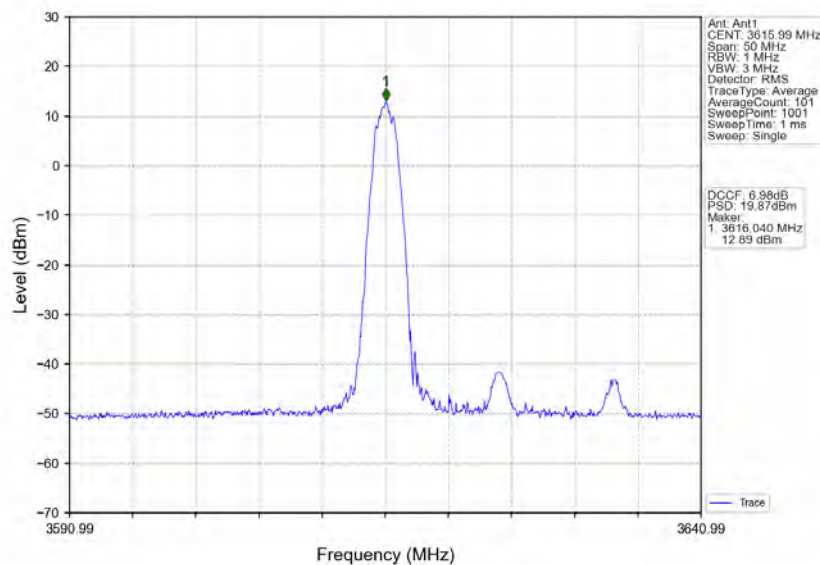
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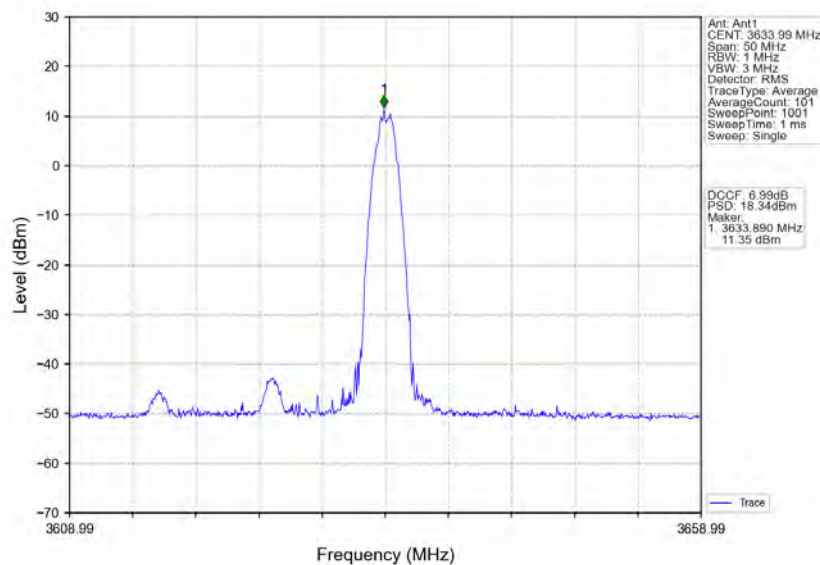
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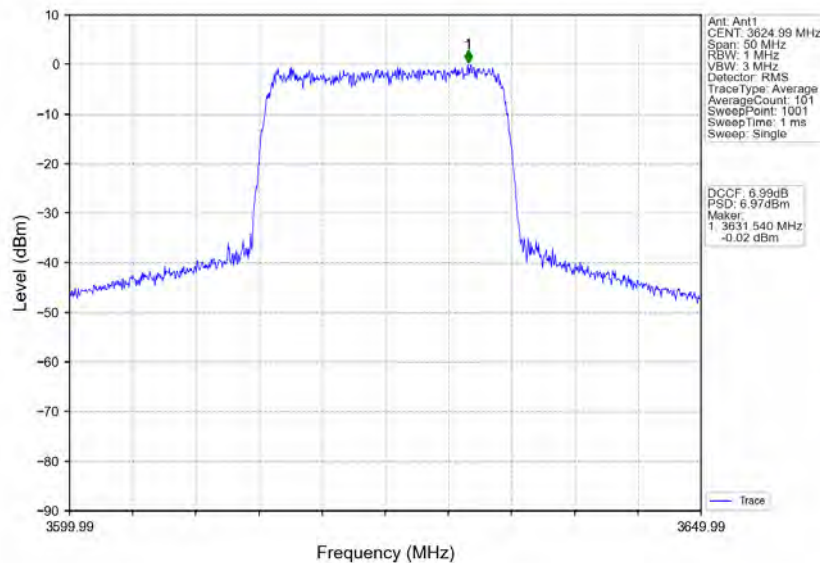
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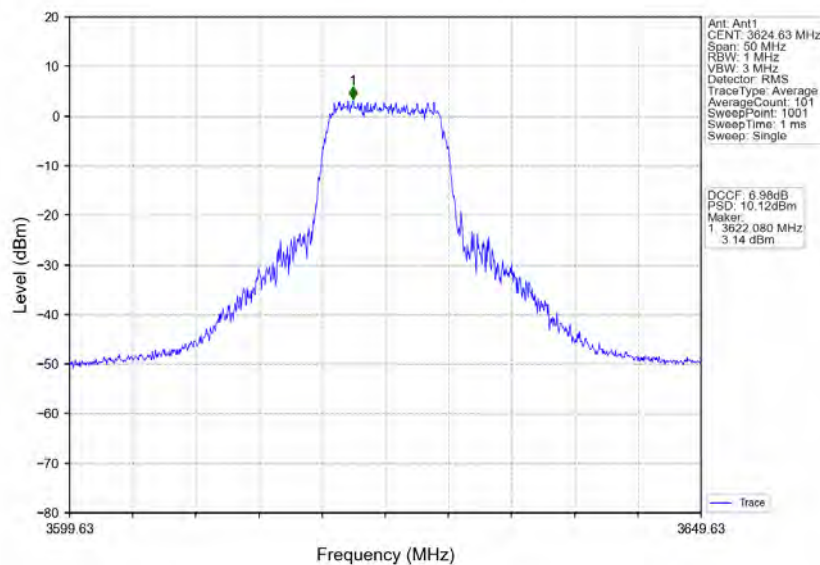
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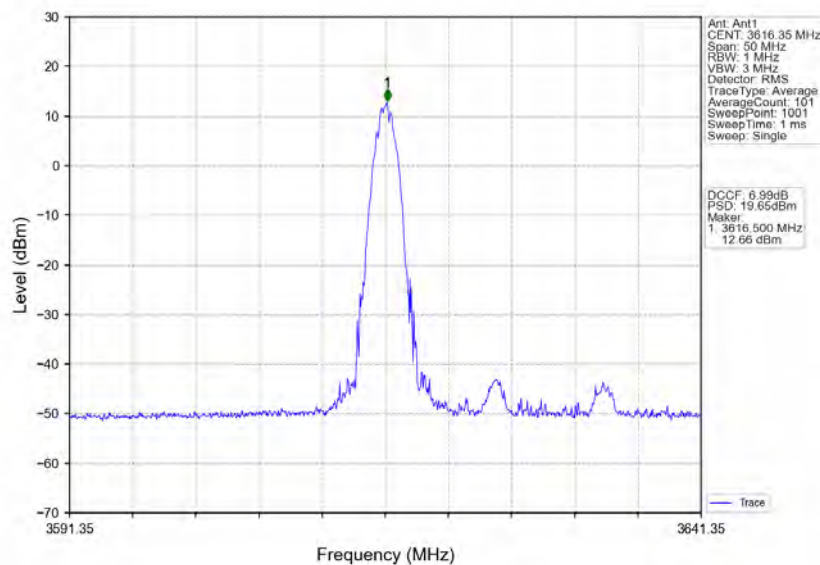
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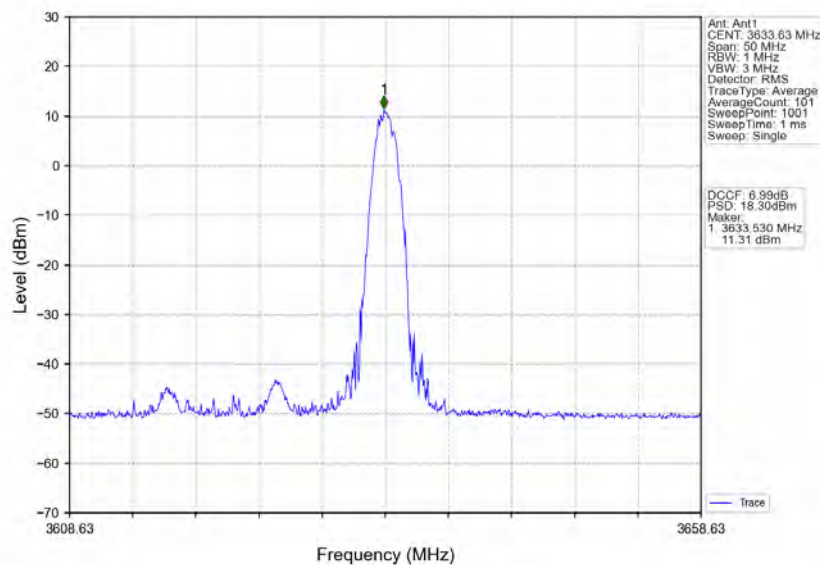
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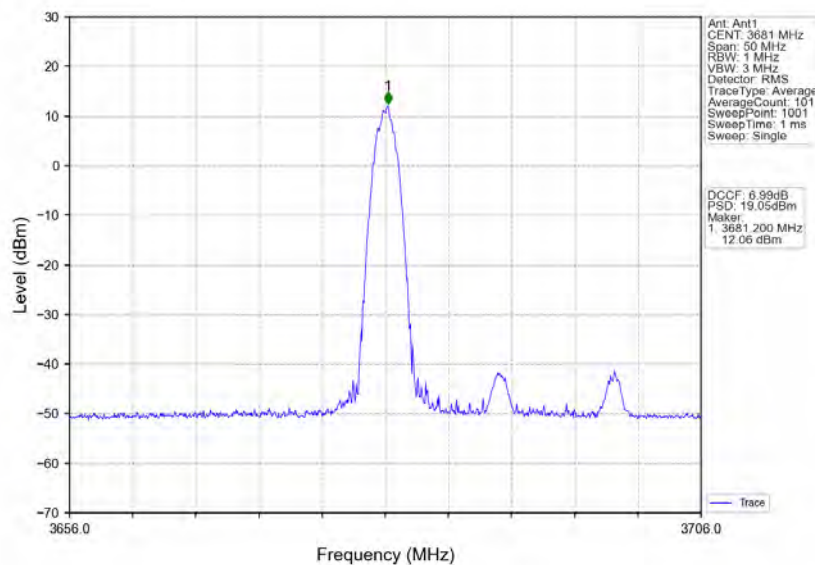
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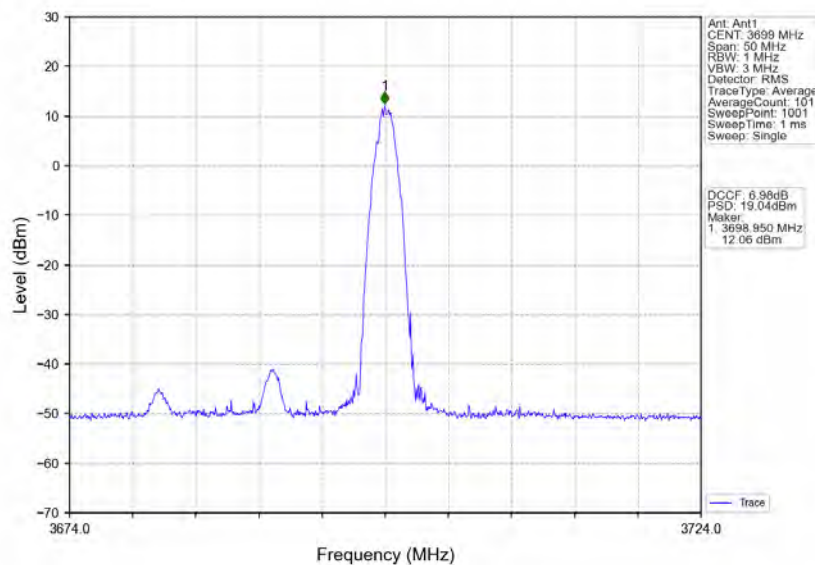
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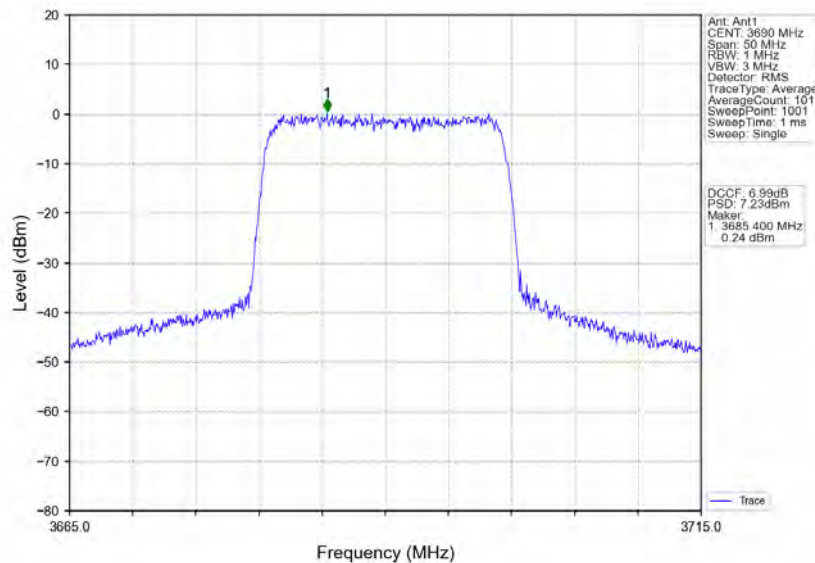
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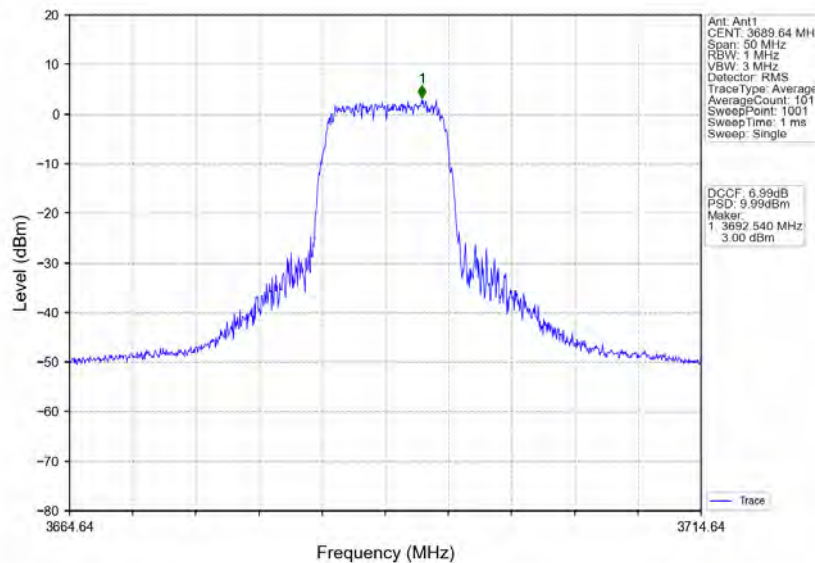
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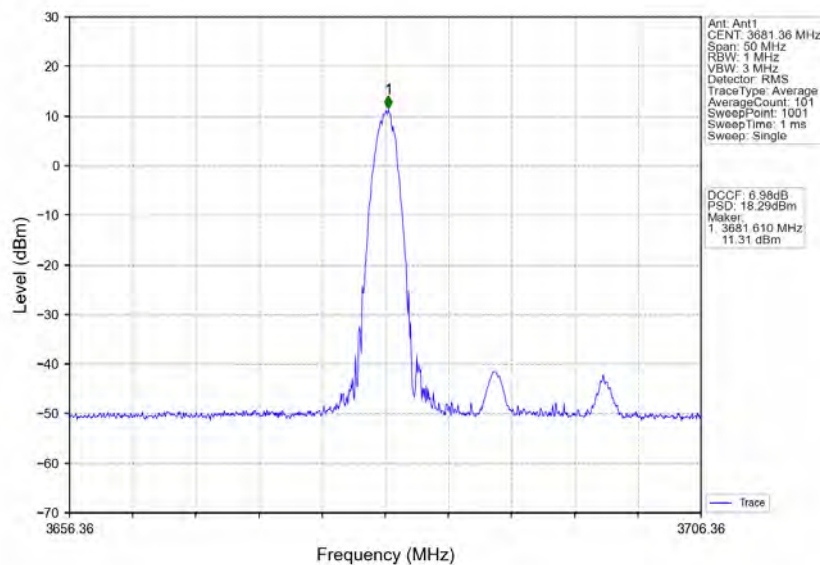
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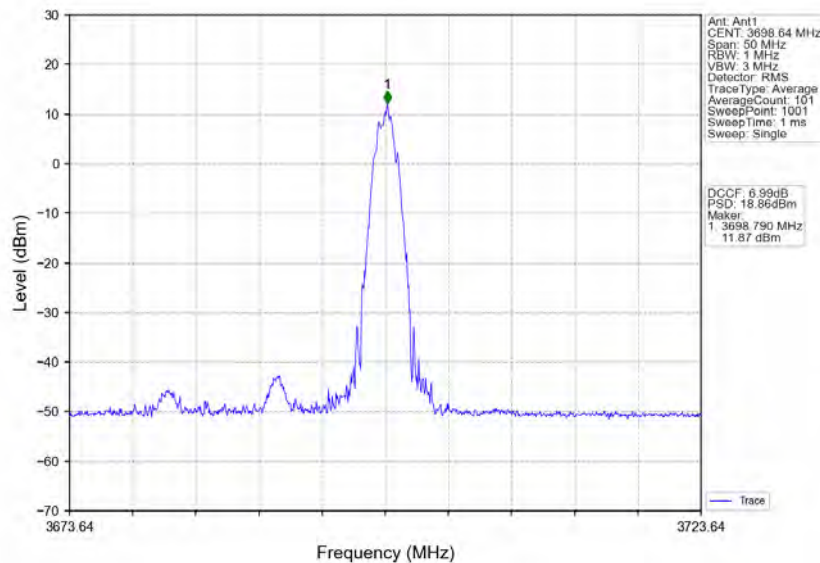
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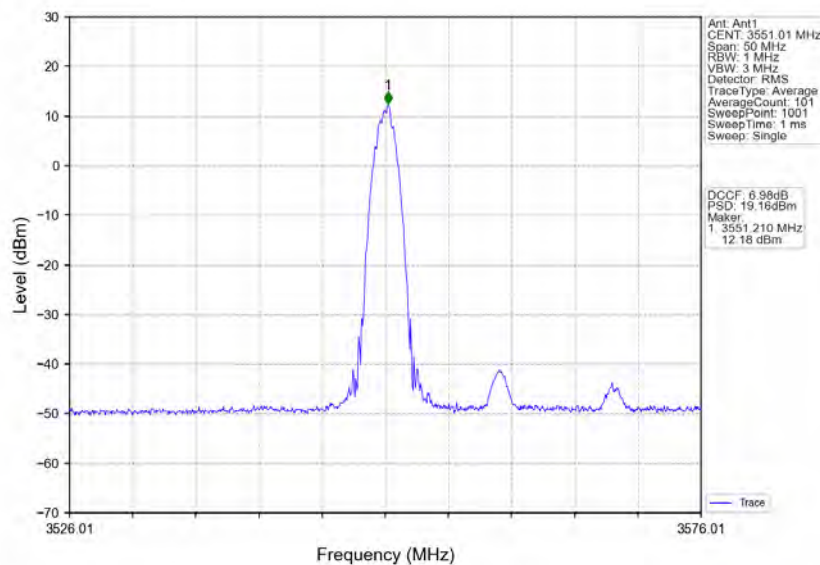
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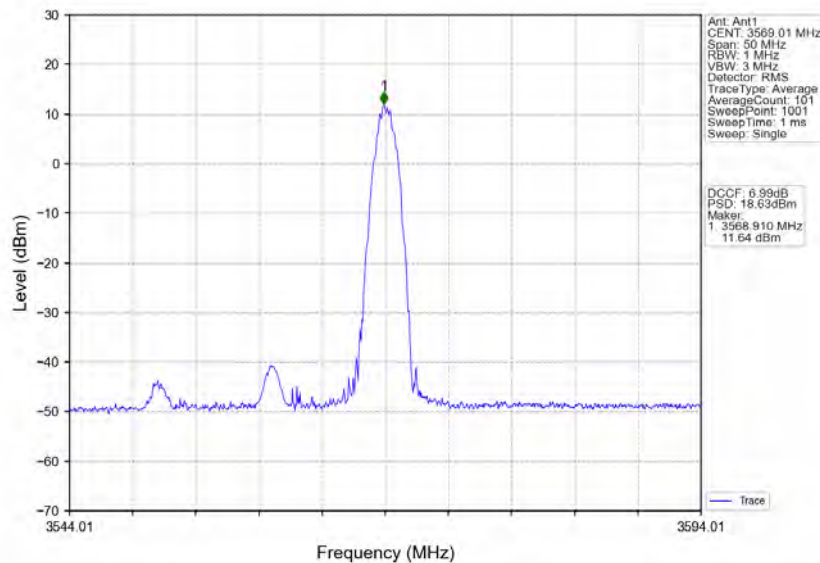
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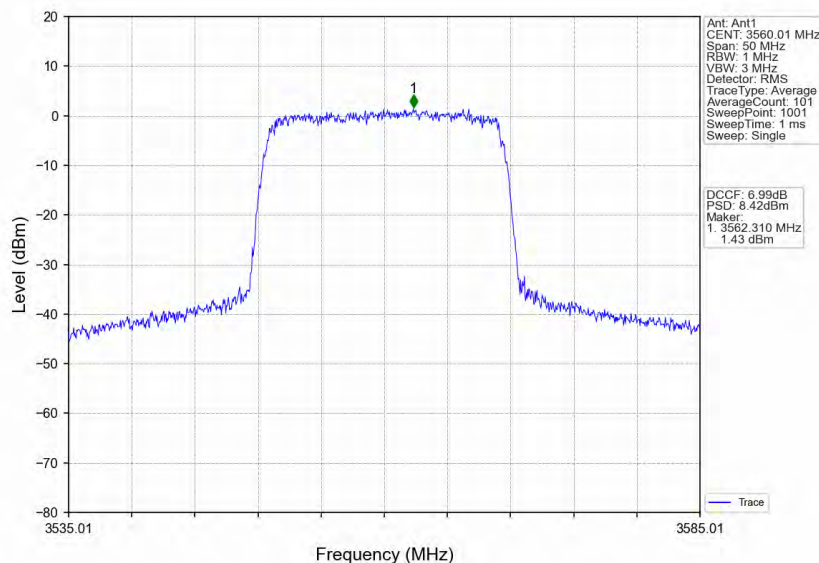
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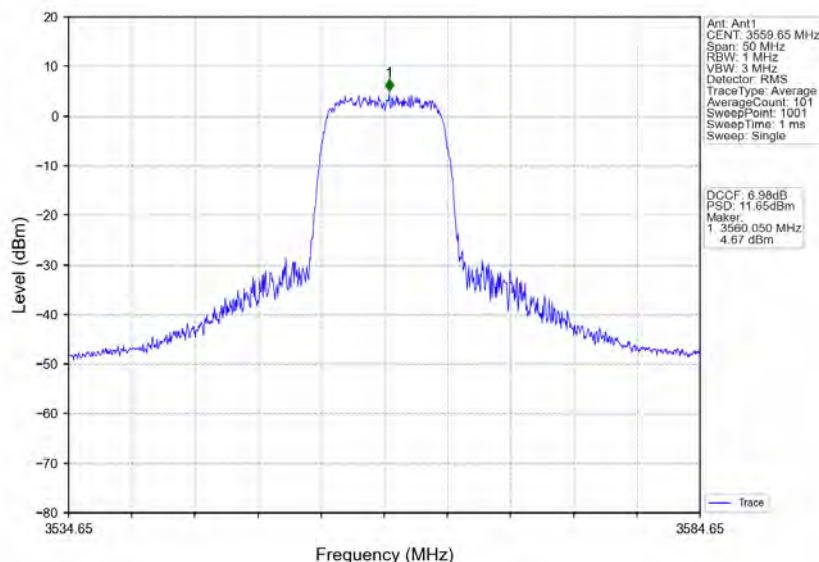
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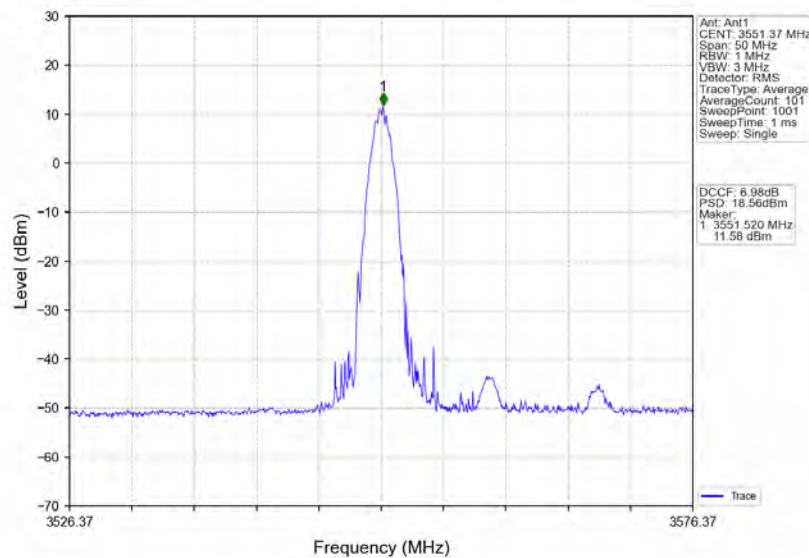
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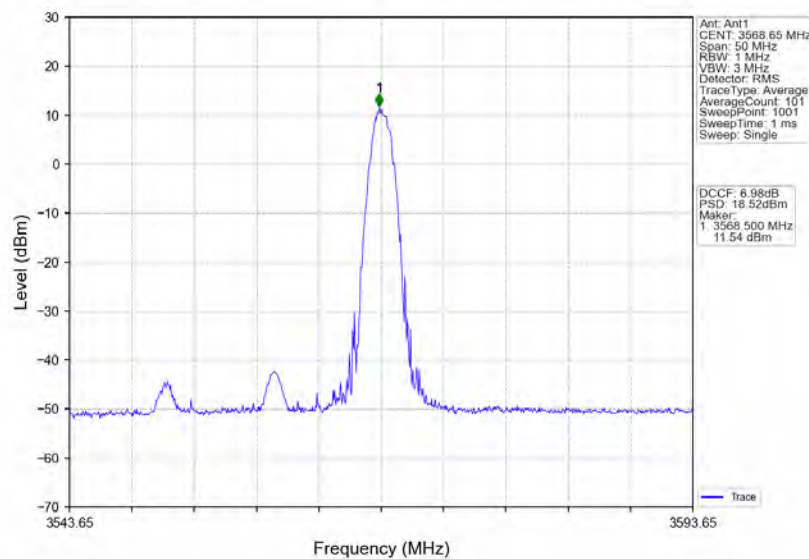
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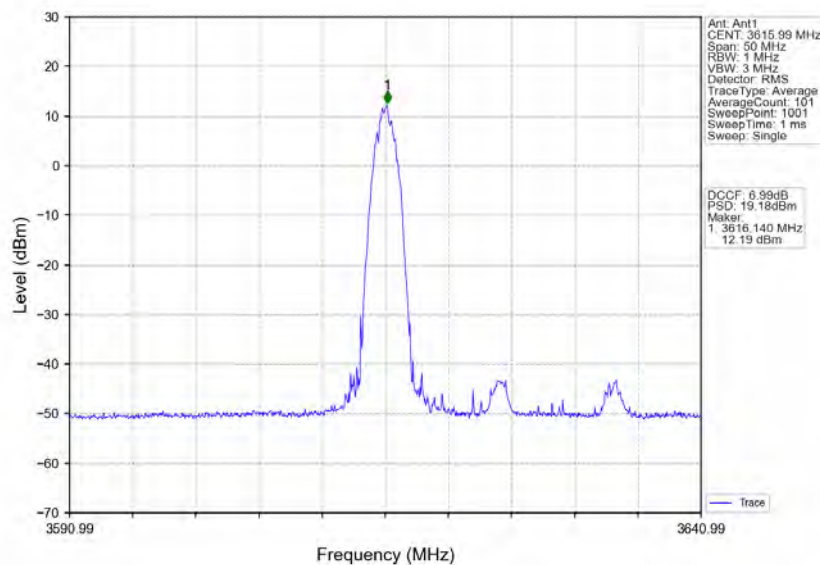
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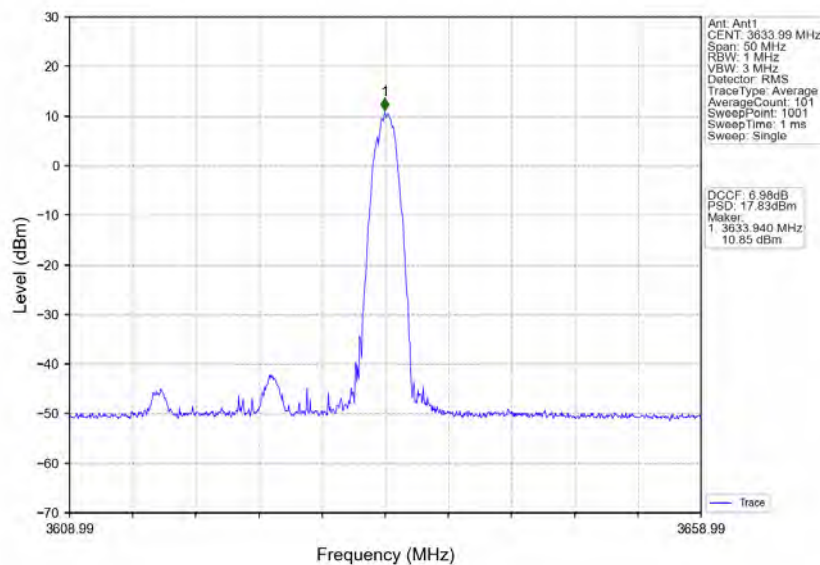
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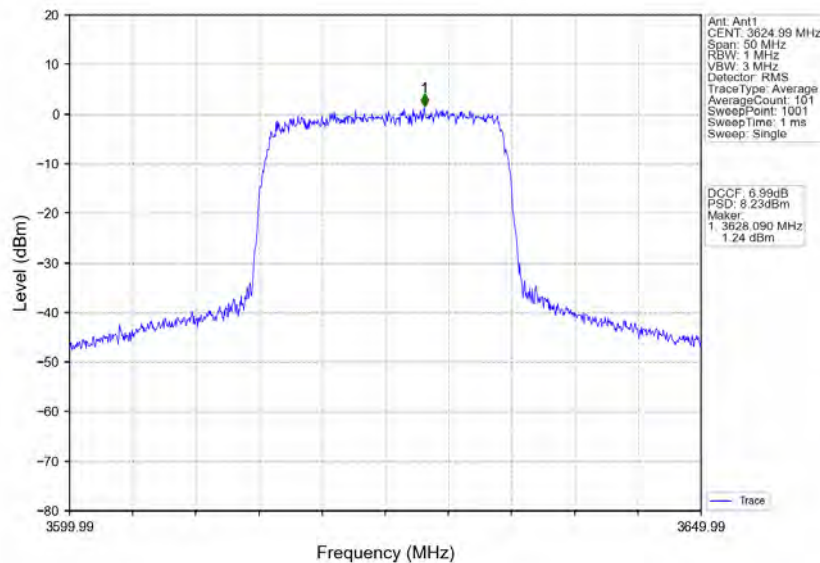
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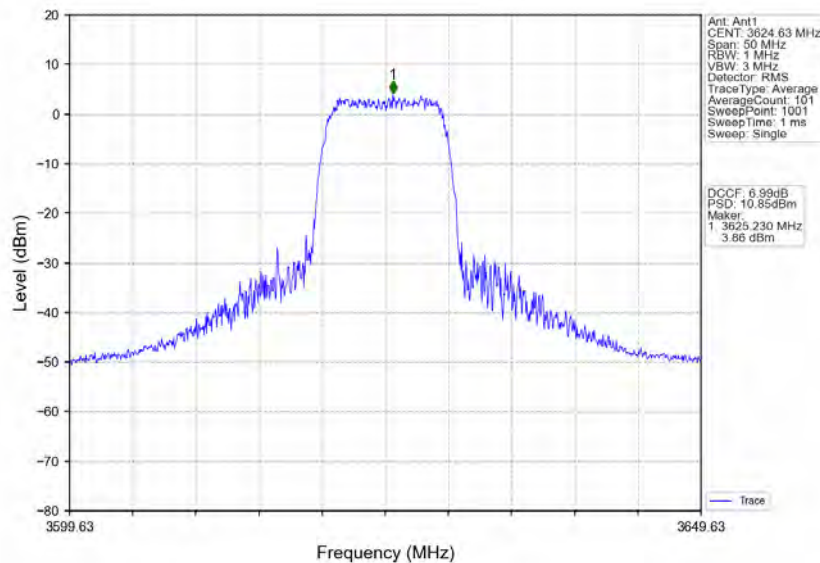
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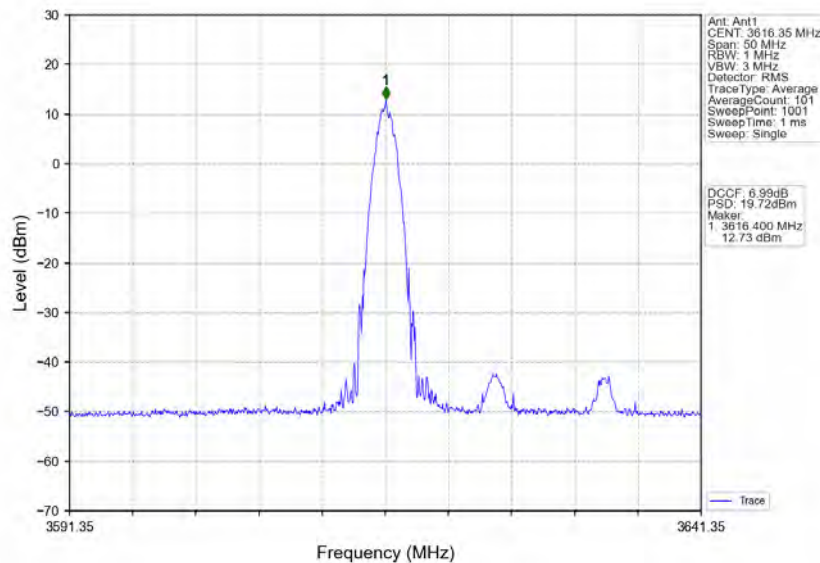
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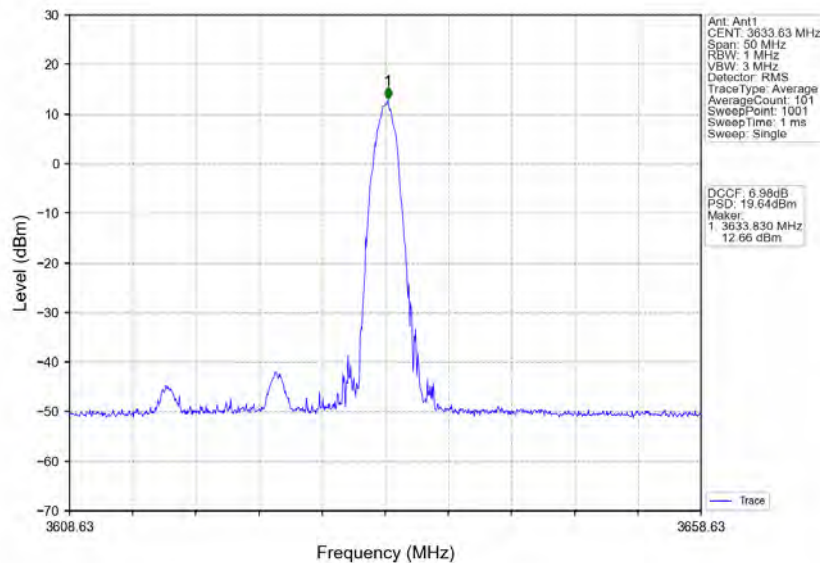
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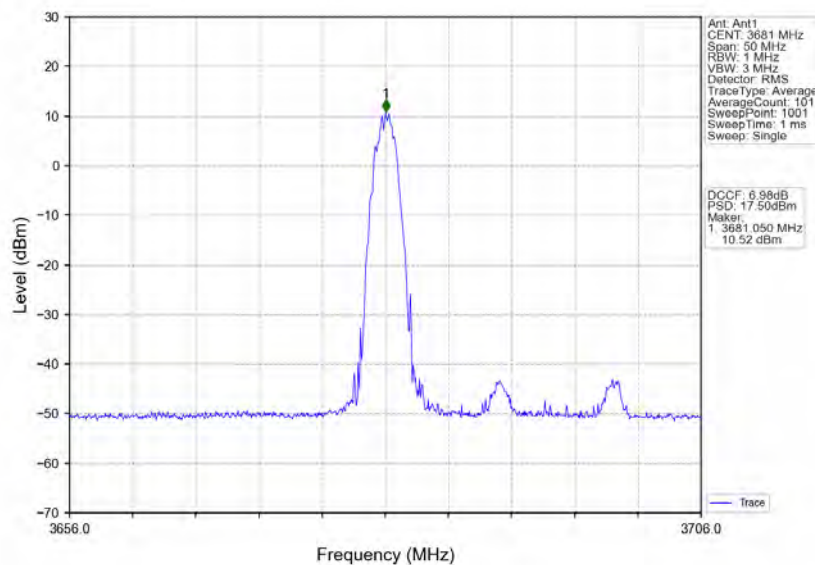
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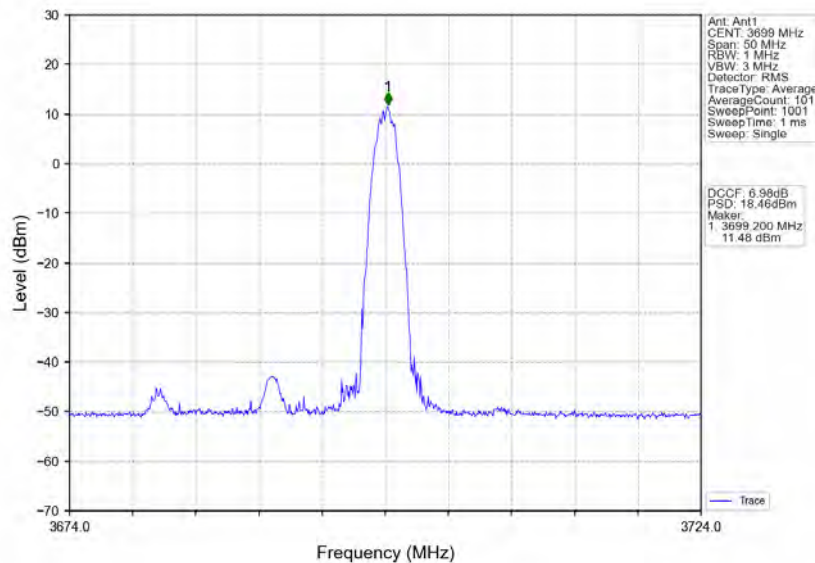
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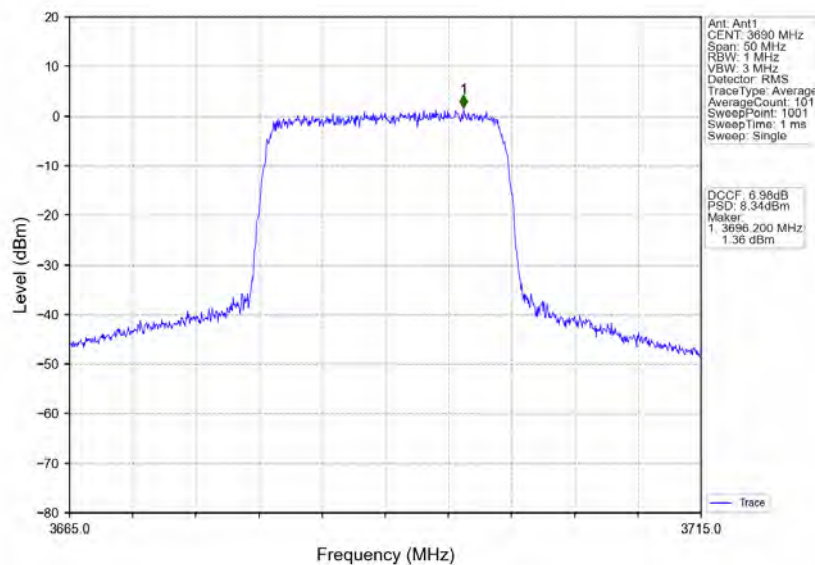
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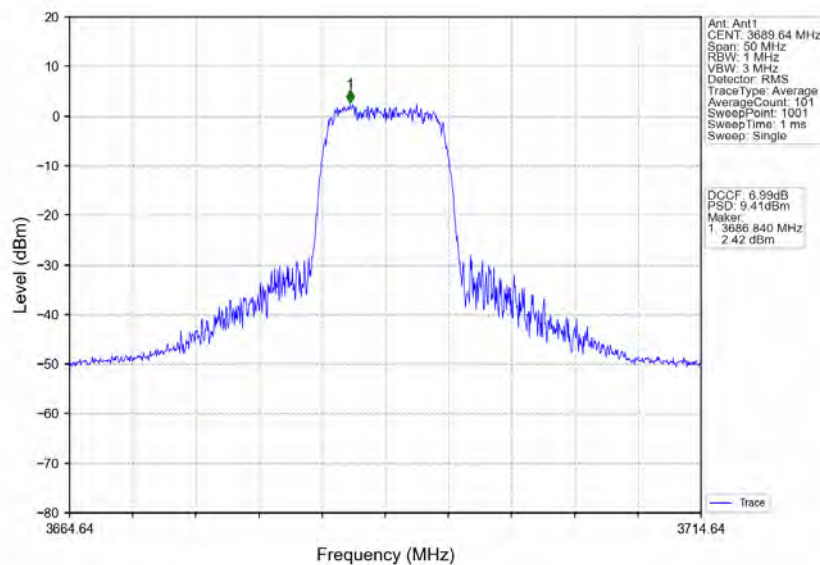
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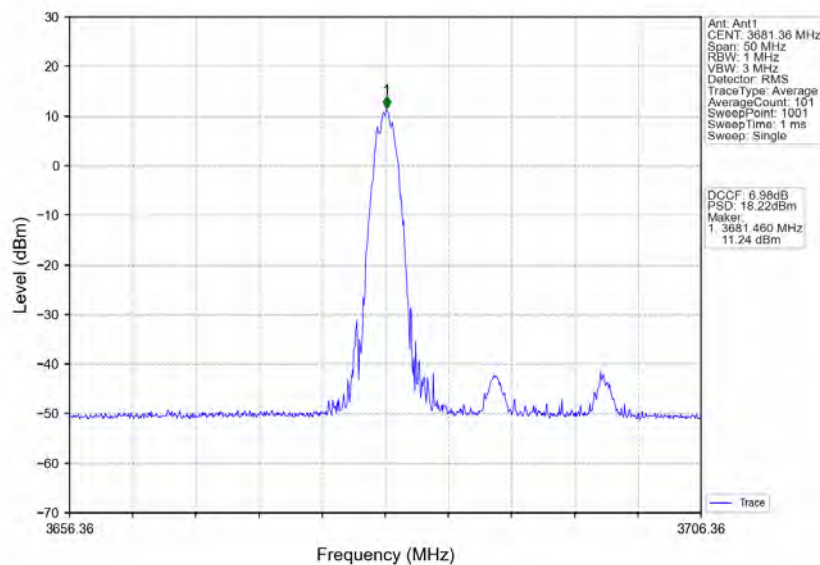
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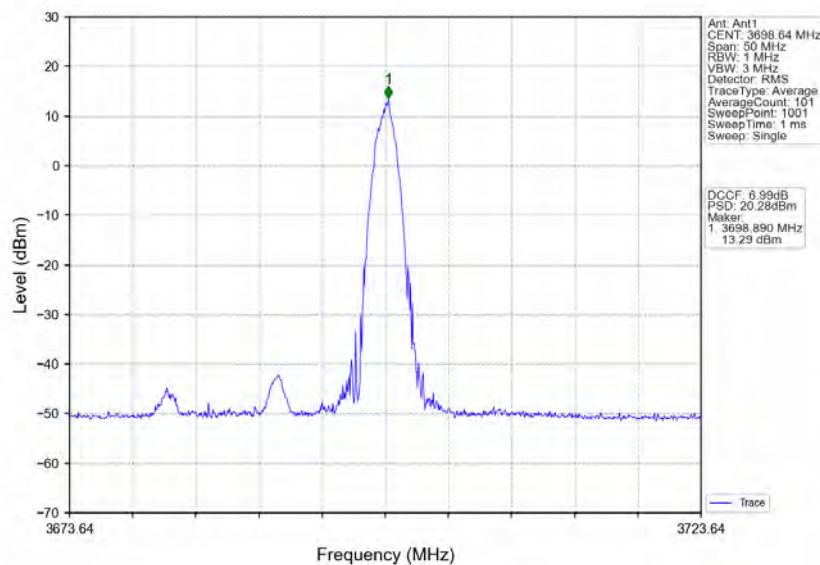
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM 16 QAM_3690MHz_Inner_1RB_Left



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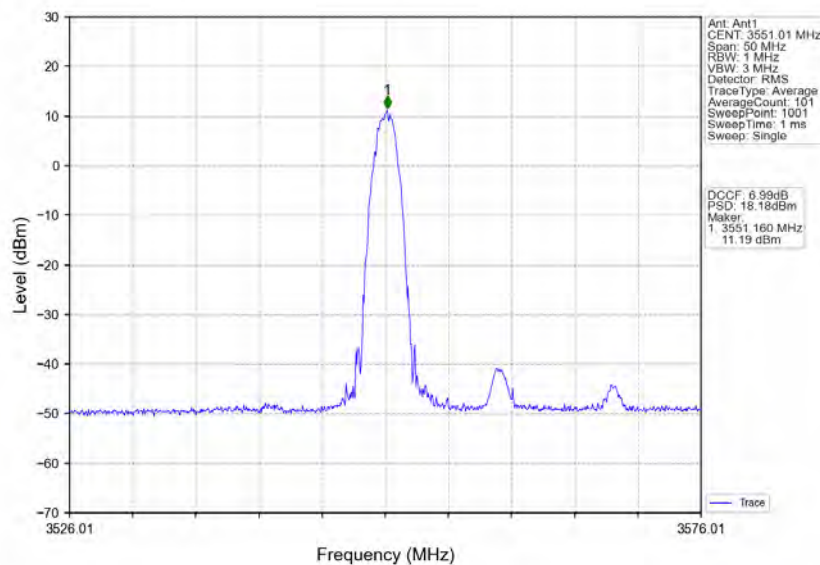
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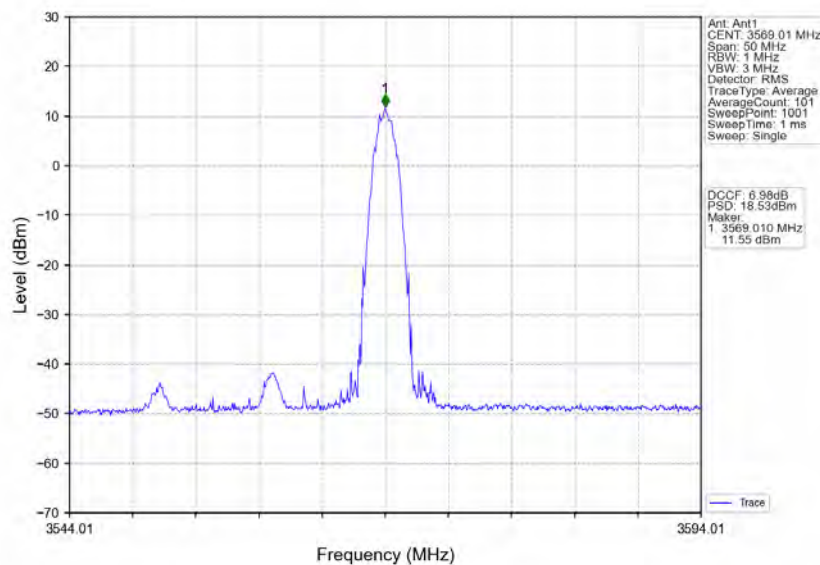
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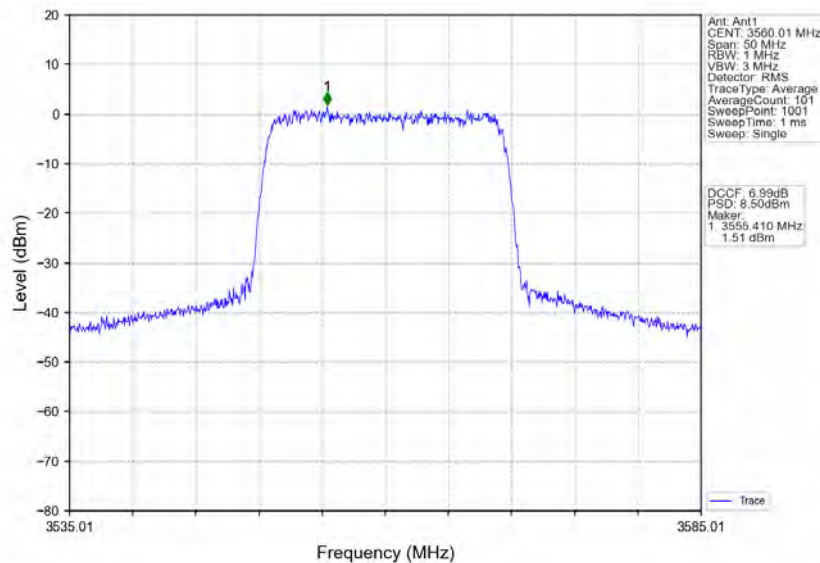
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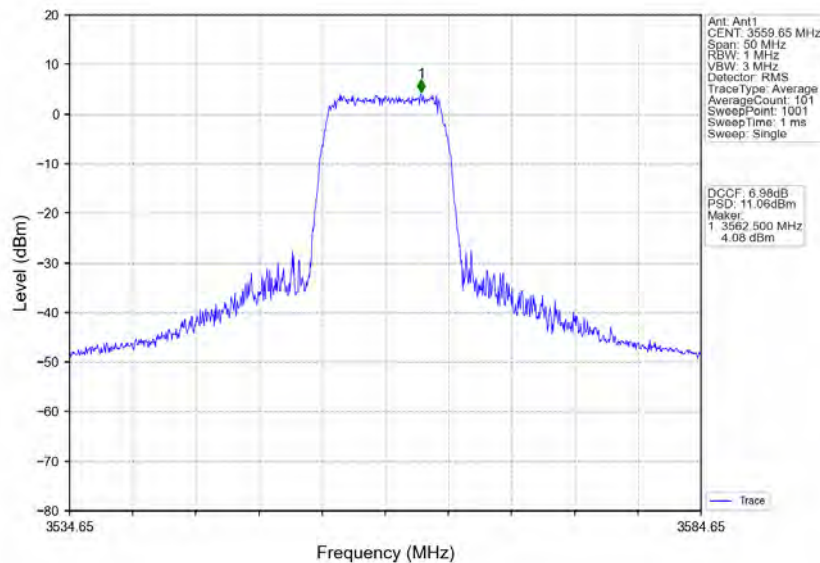
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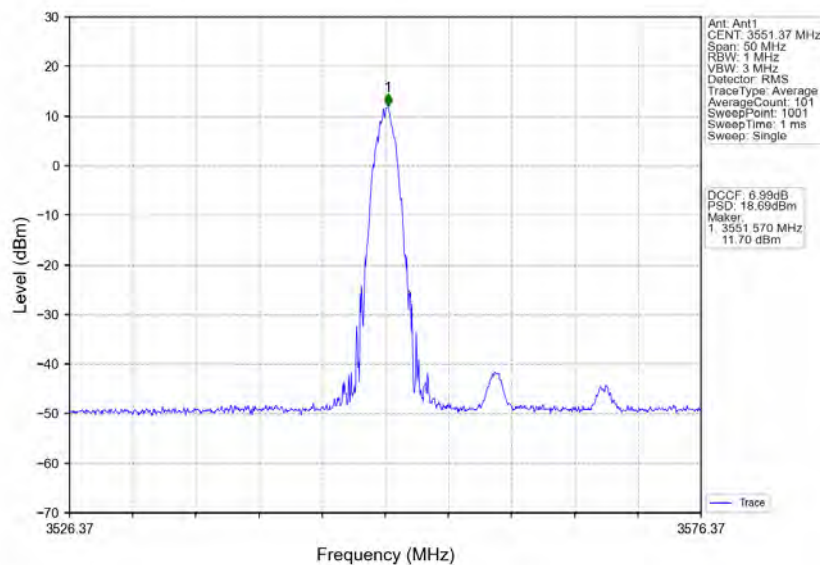
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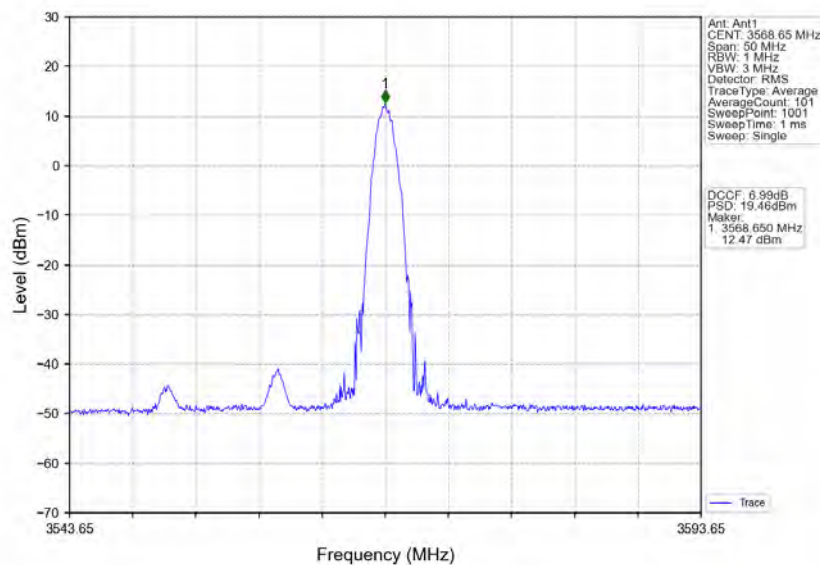
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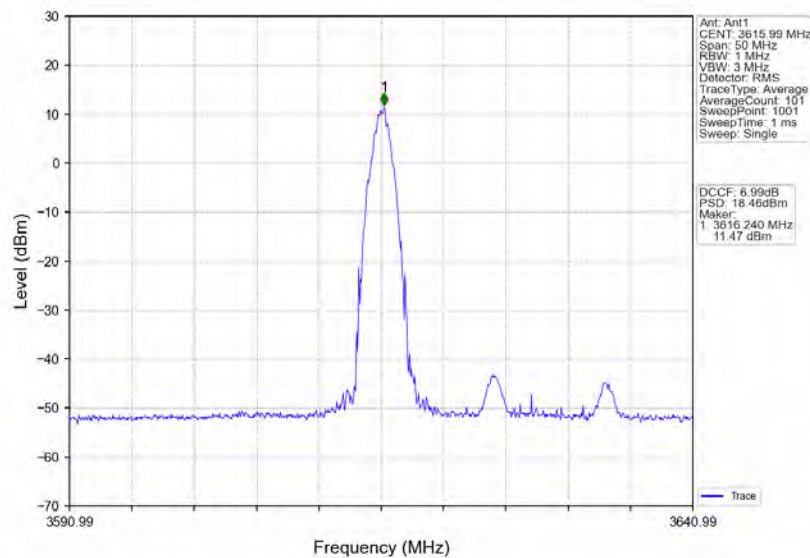
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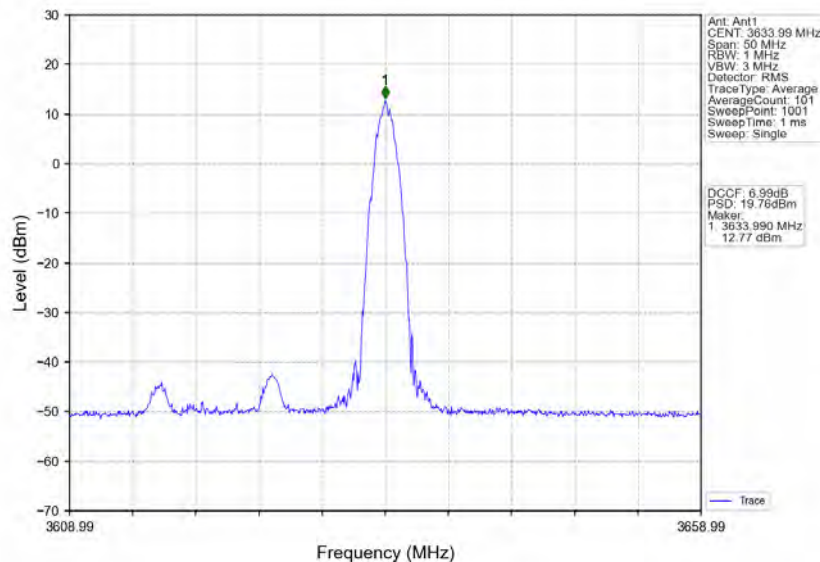
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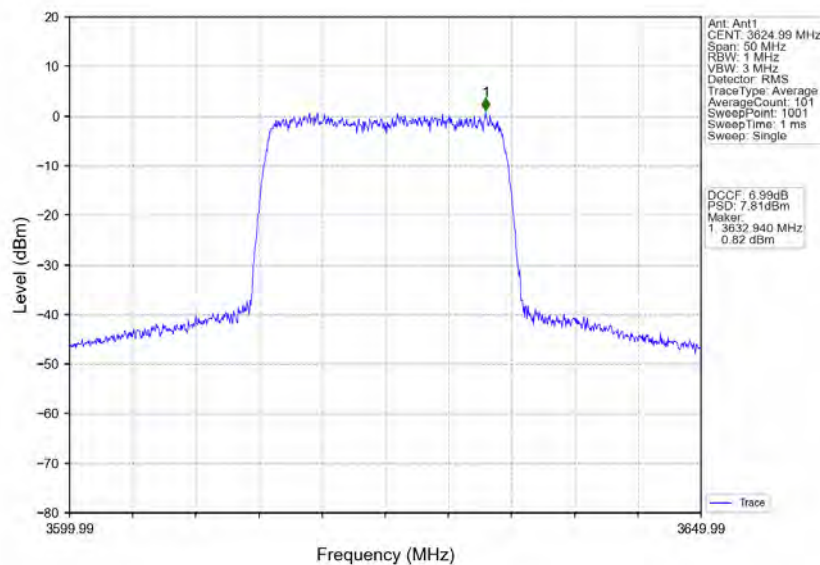
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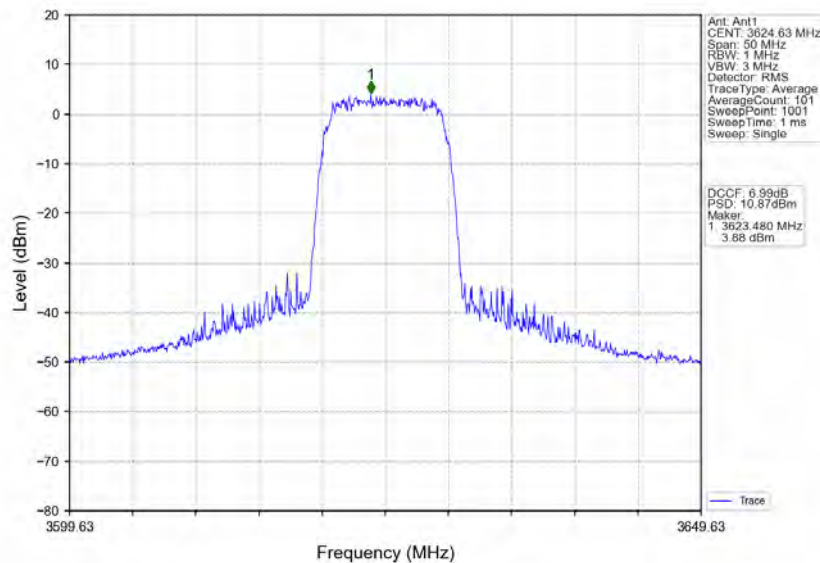
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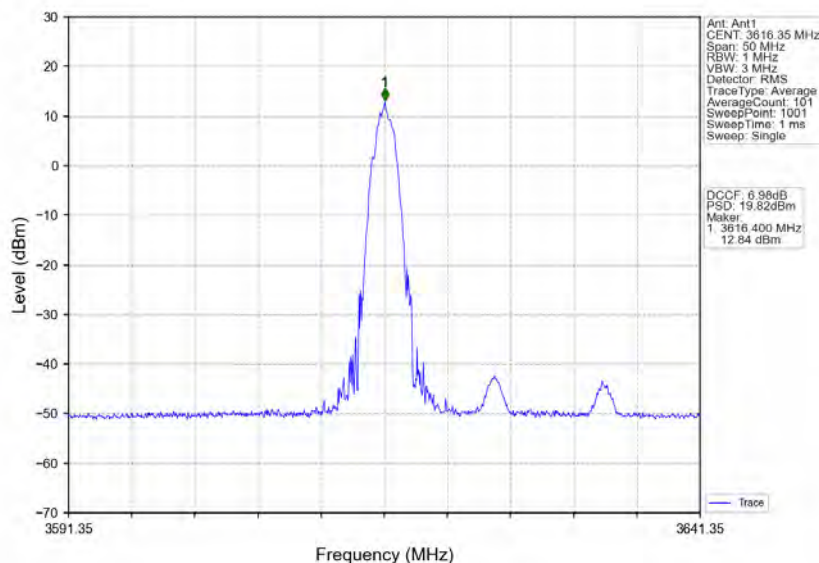
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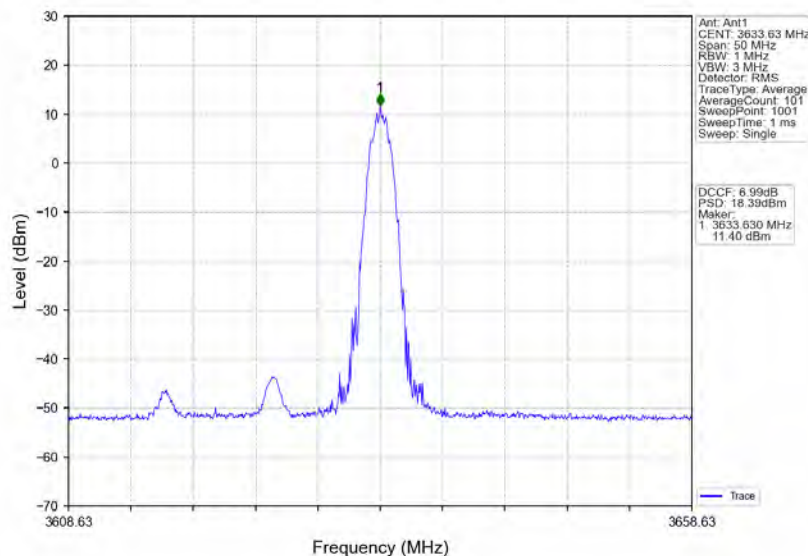
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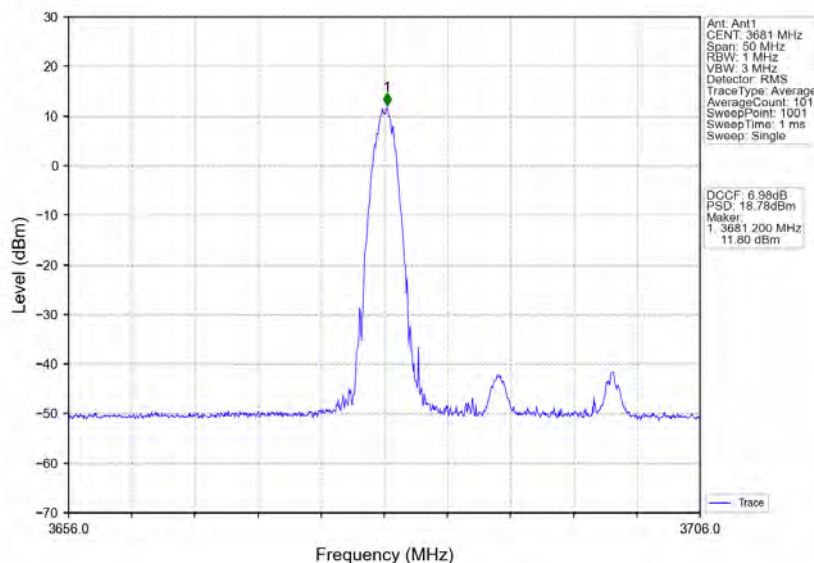
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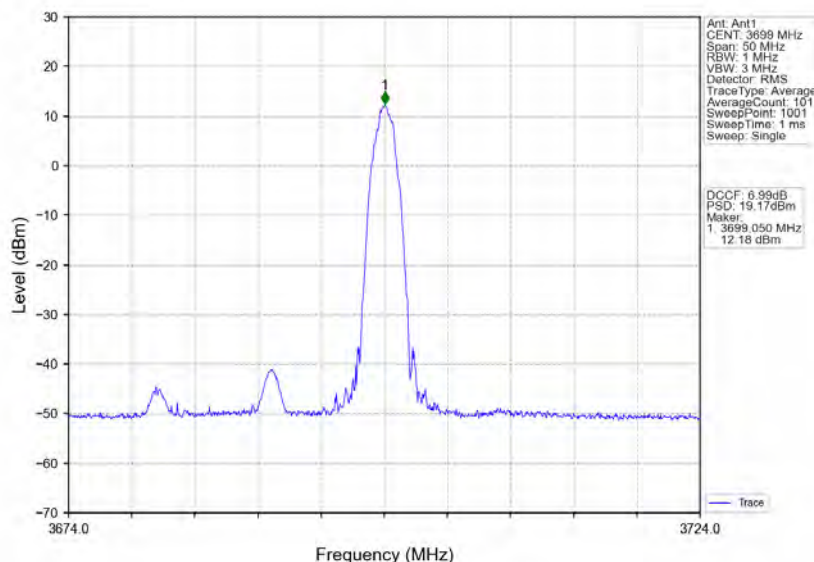
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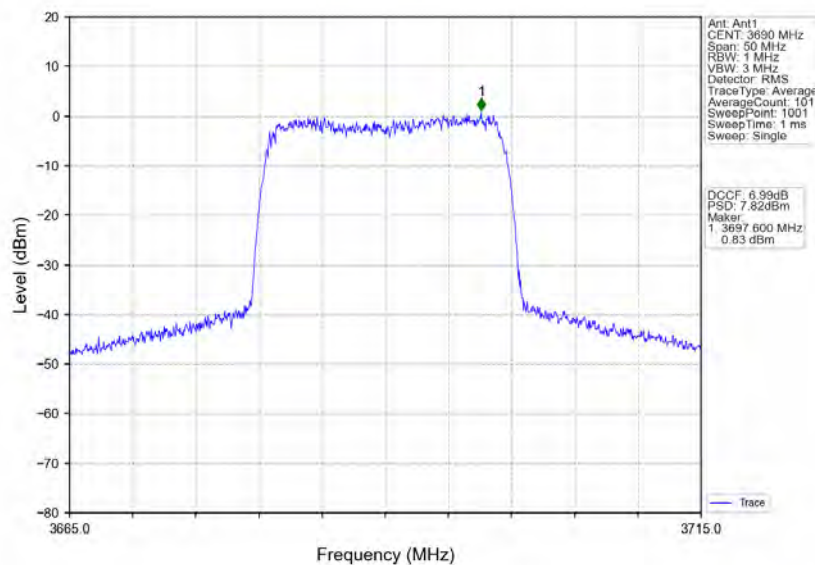
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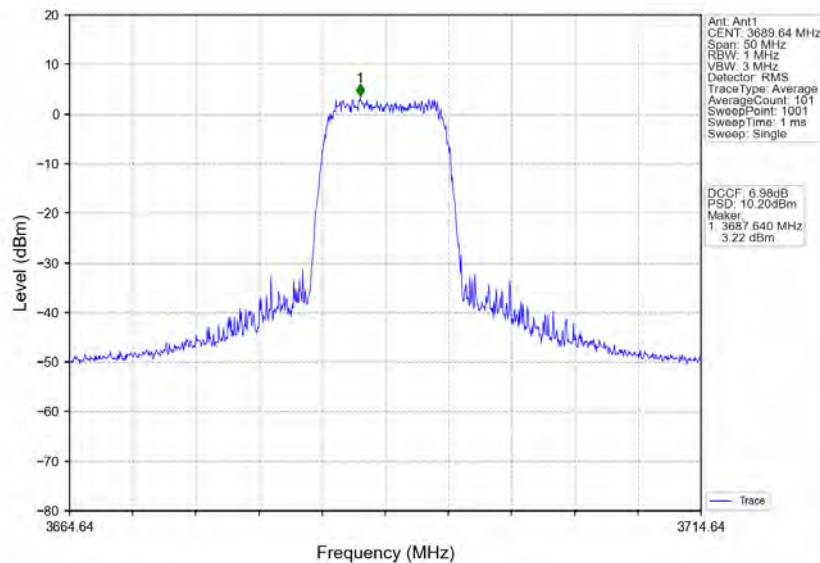
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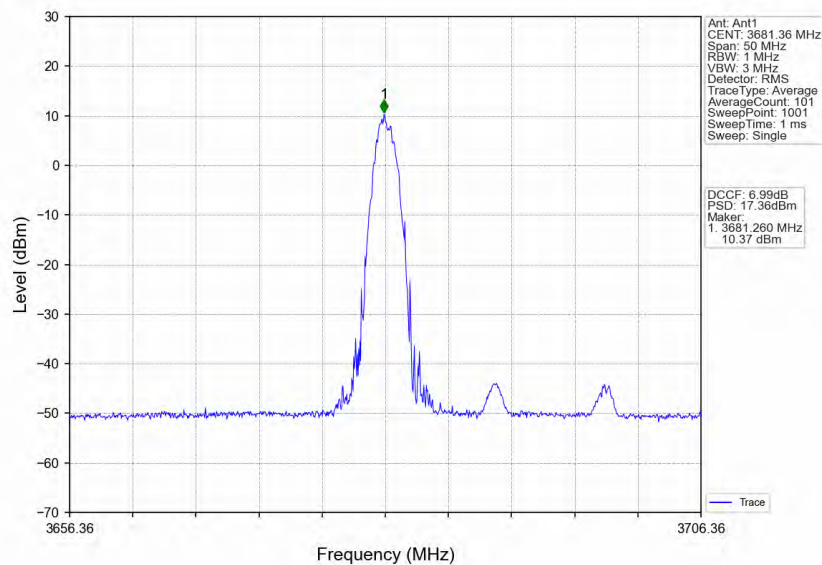
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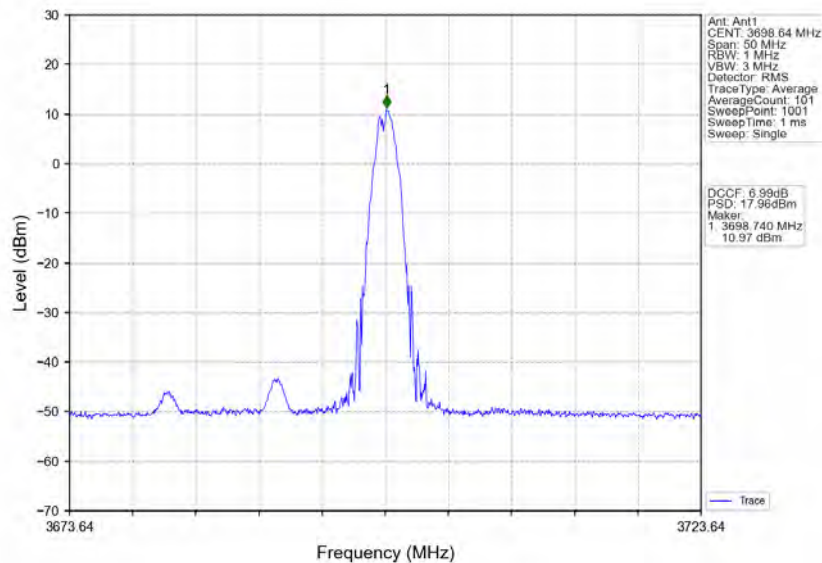
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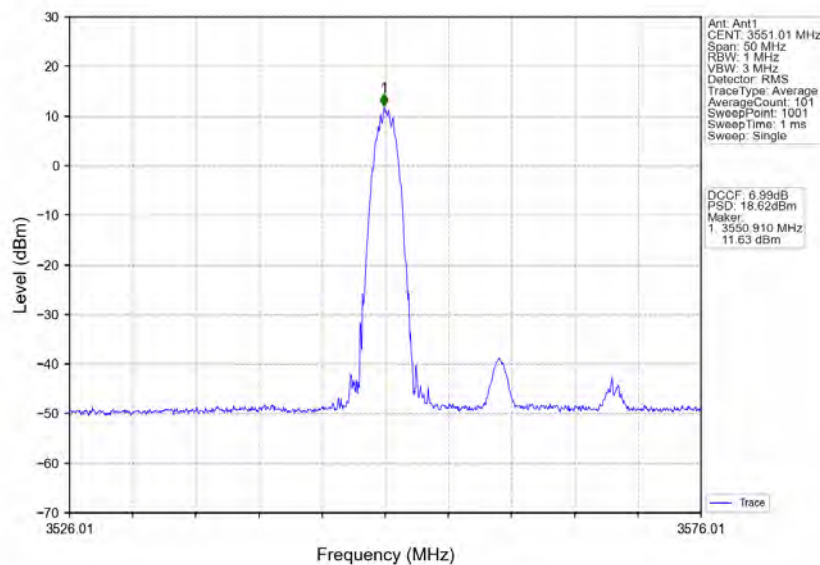
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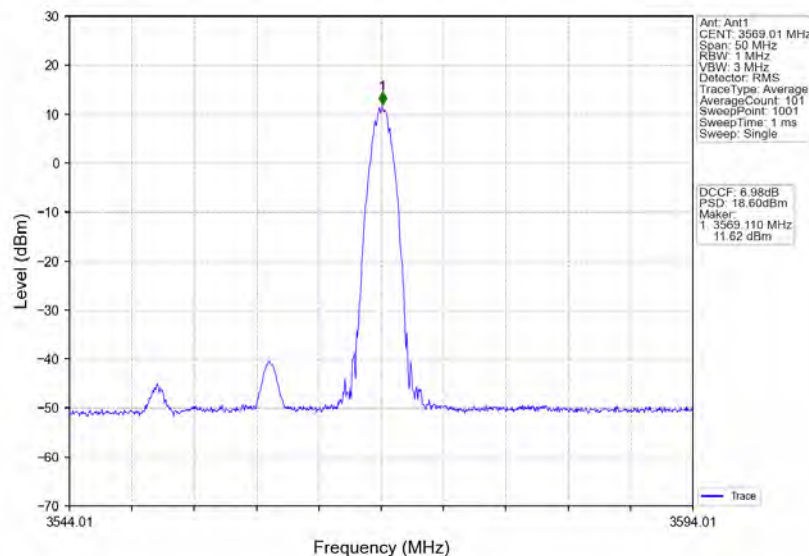
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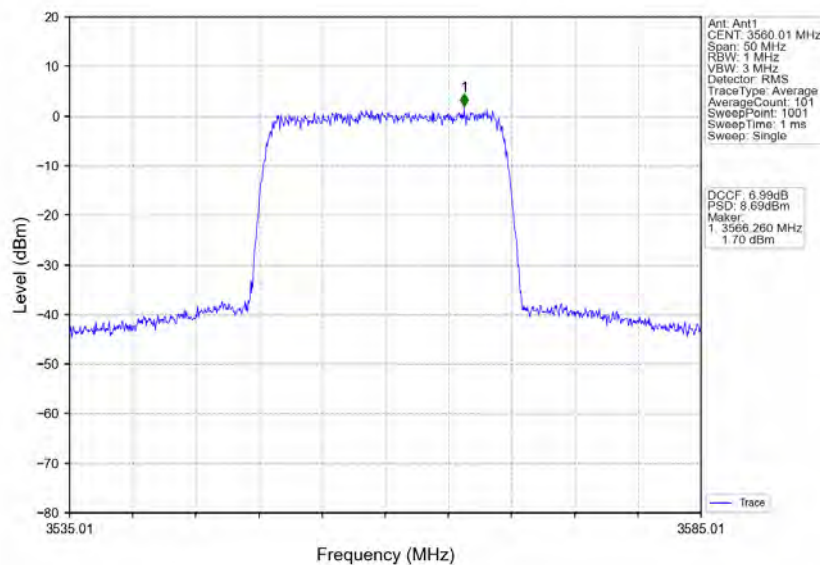
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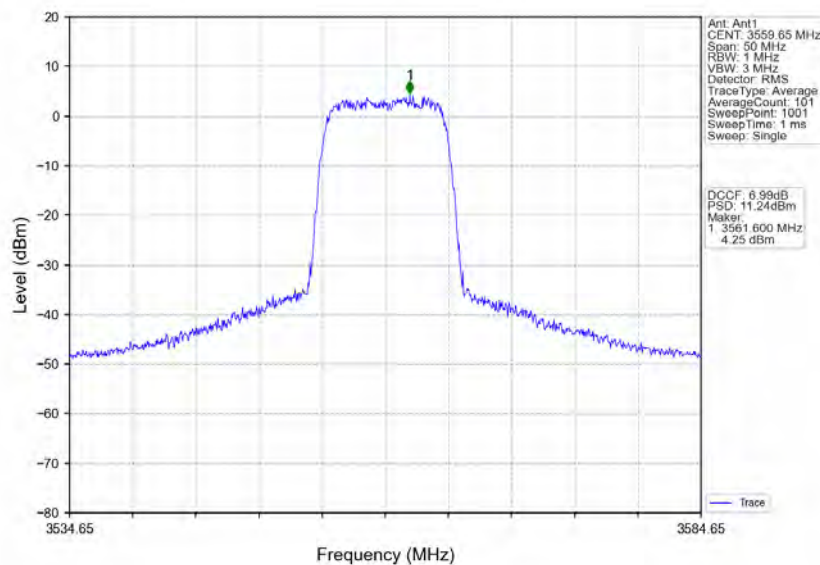
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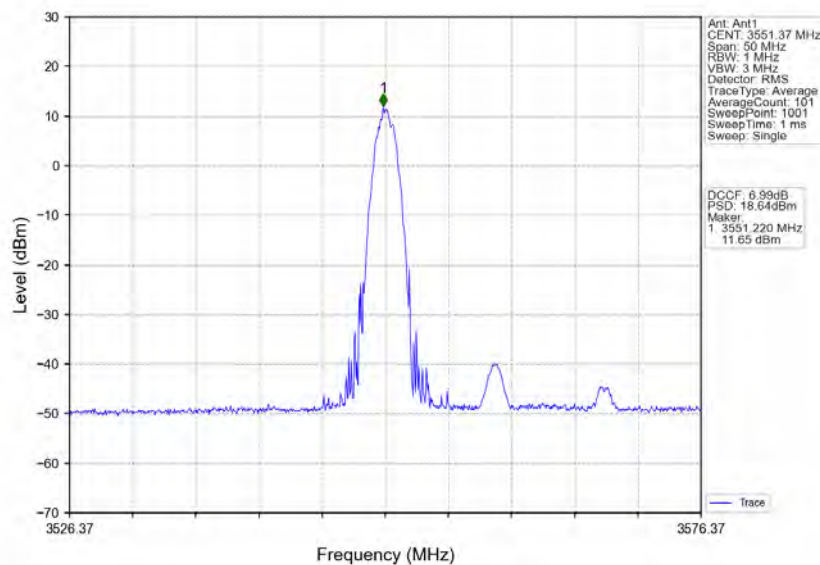
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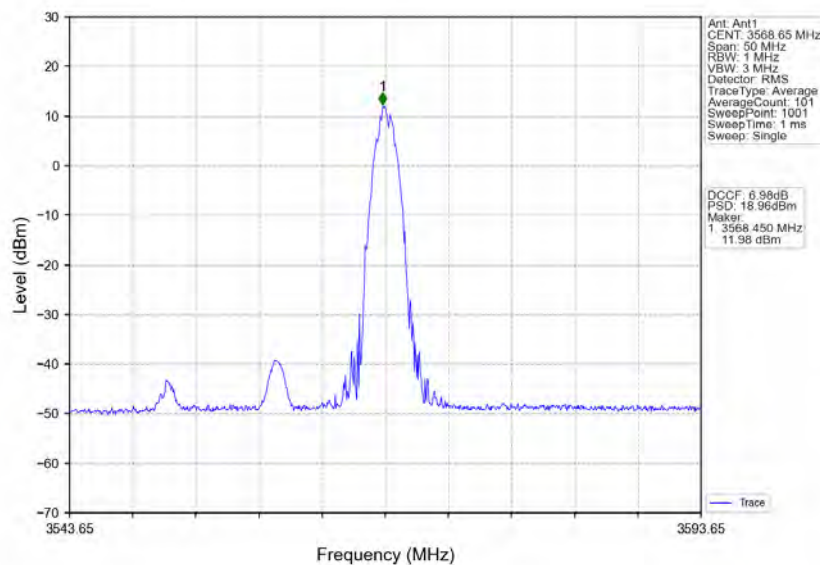
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3560.01MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3560.01MHz_Inner_1RB_Right



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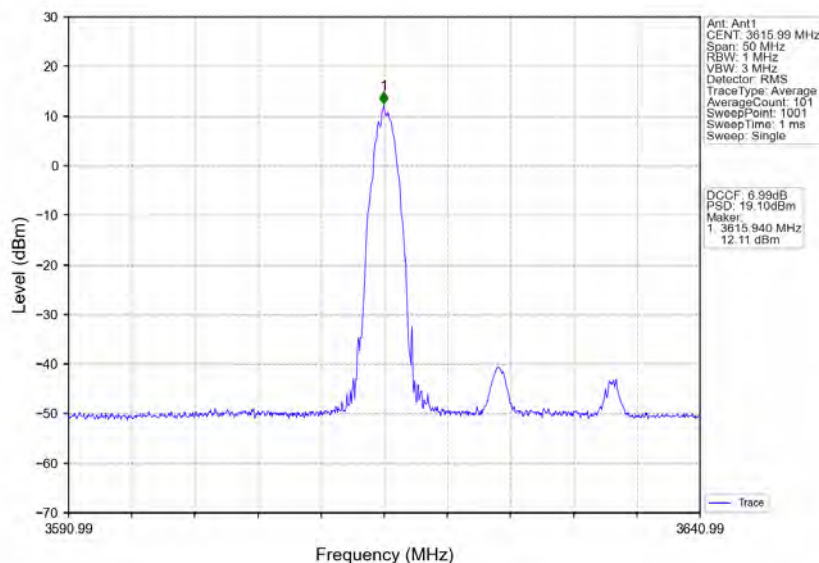
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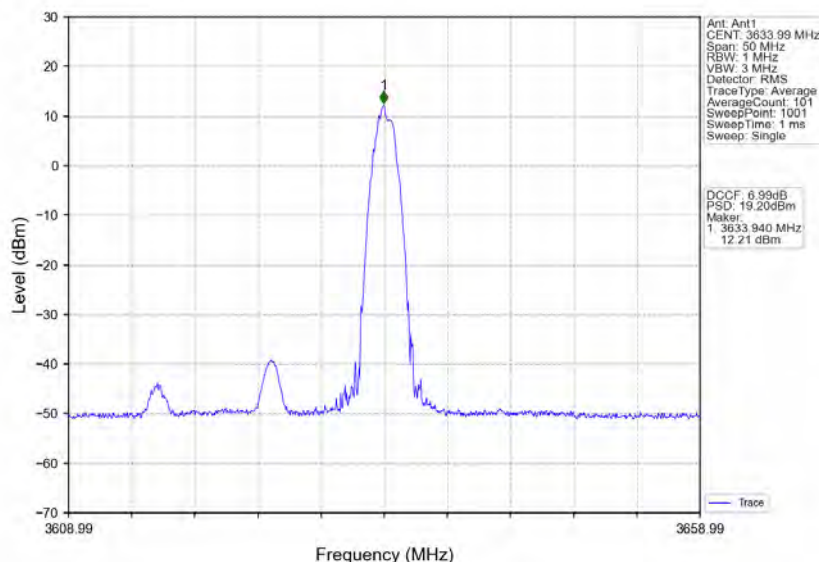
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3624.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3624.99MHz_Edge_1RB_Right



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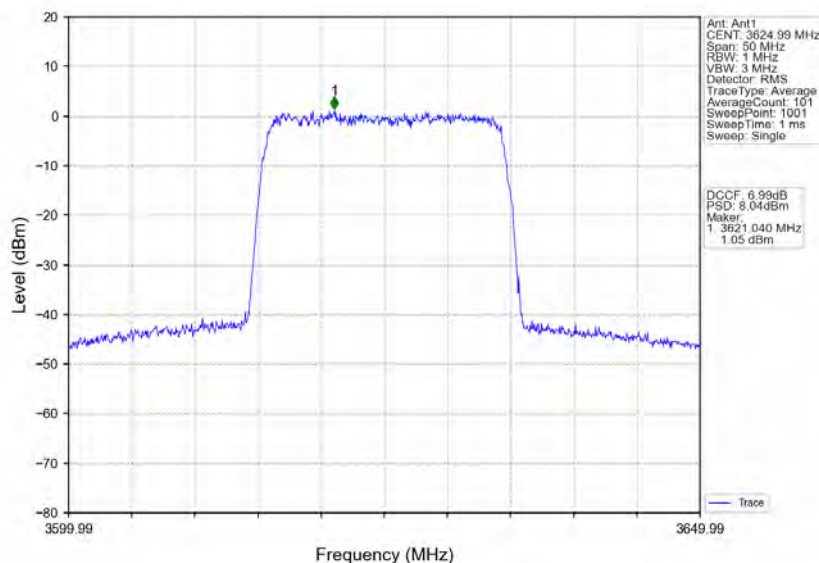
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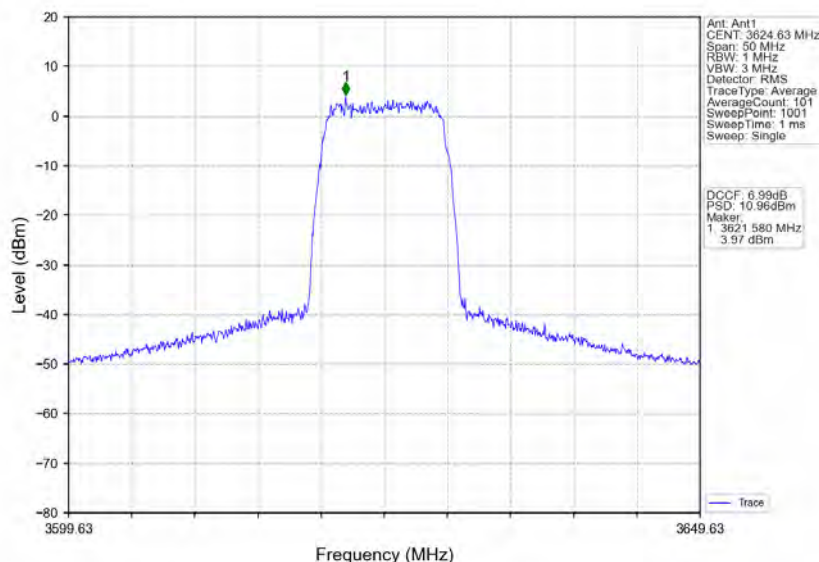
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3624.99MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3624.99MHz_Inner_Full



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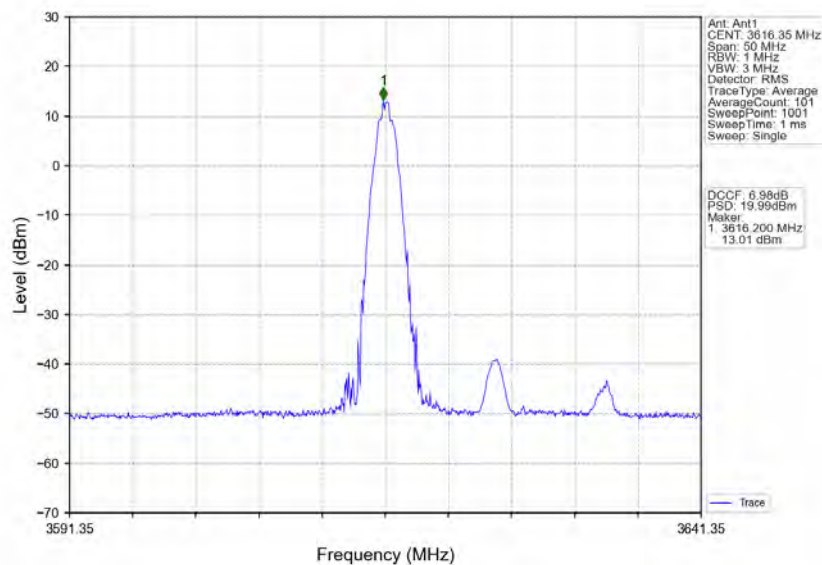
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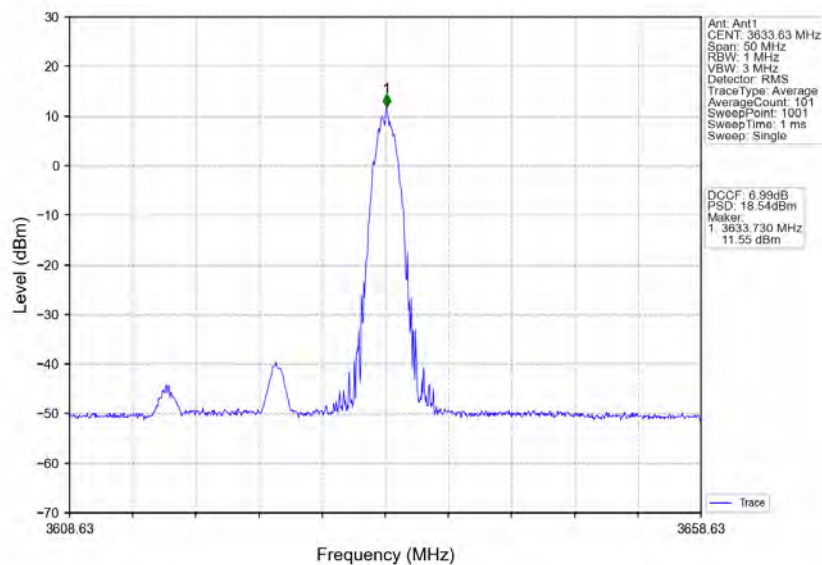
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3624.99MHz_Inner_1RB_Right



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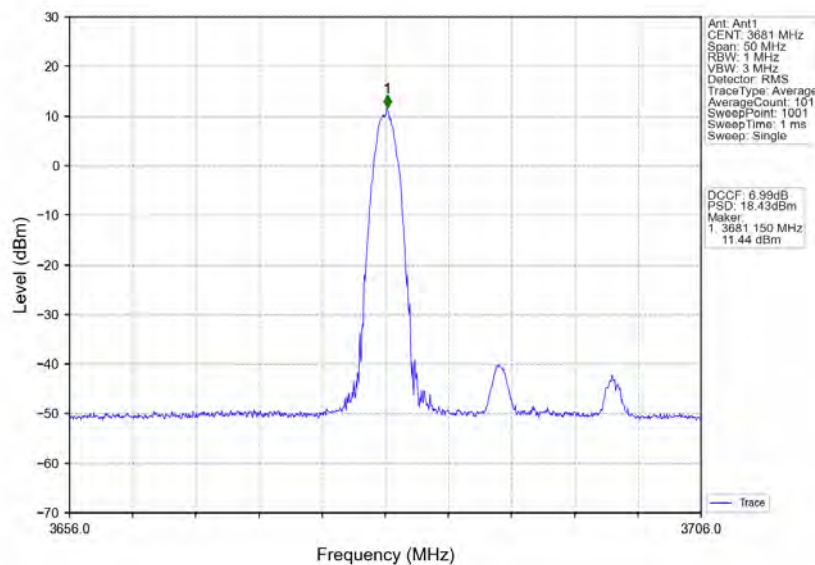
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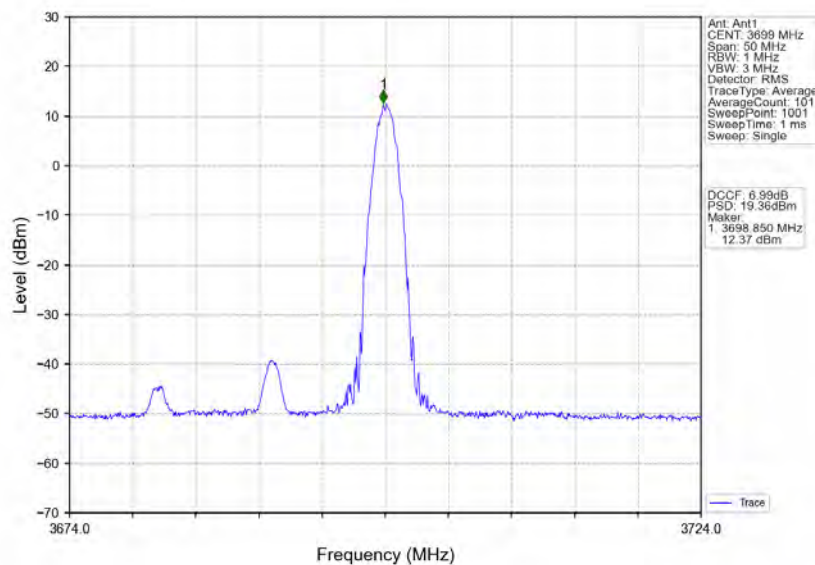
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3690MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3690MHz_Edge_1RB_Right



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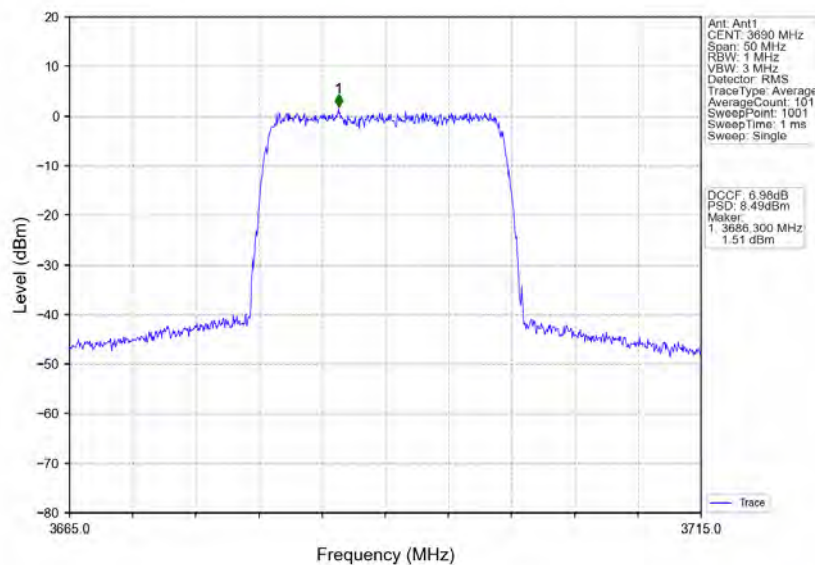
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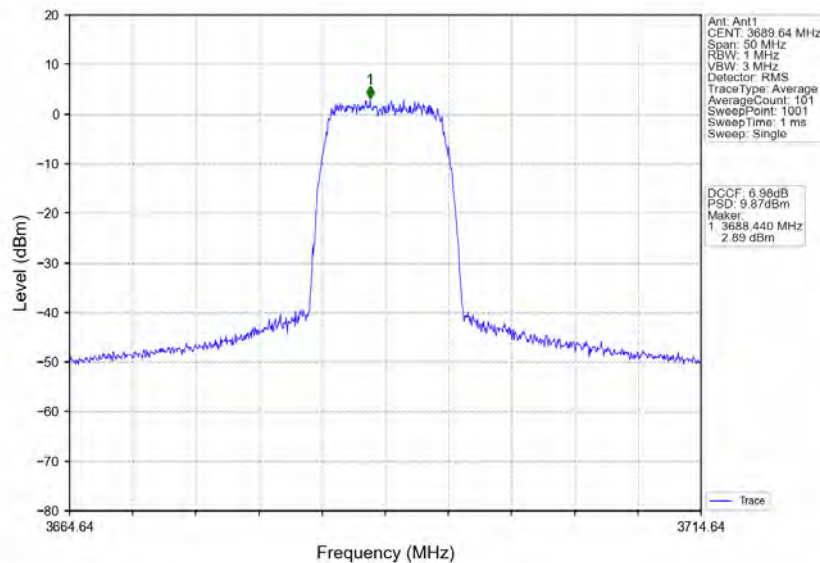
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3690MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3690MHz_Inner_Full



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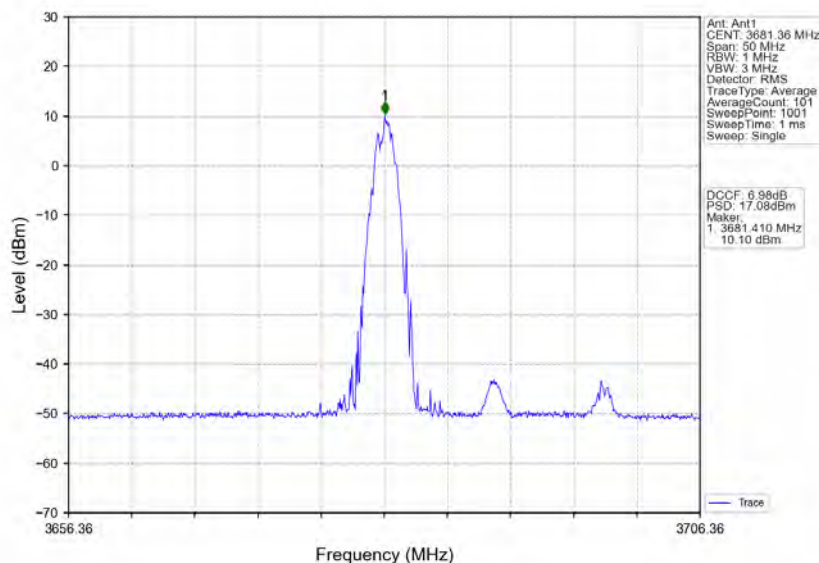
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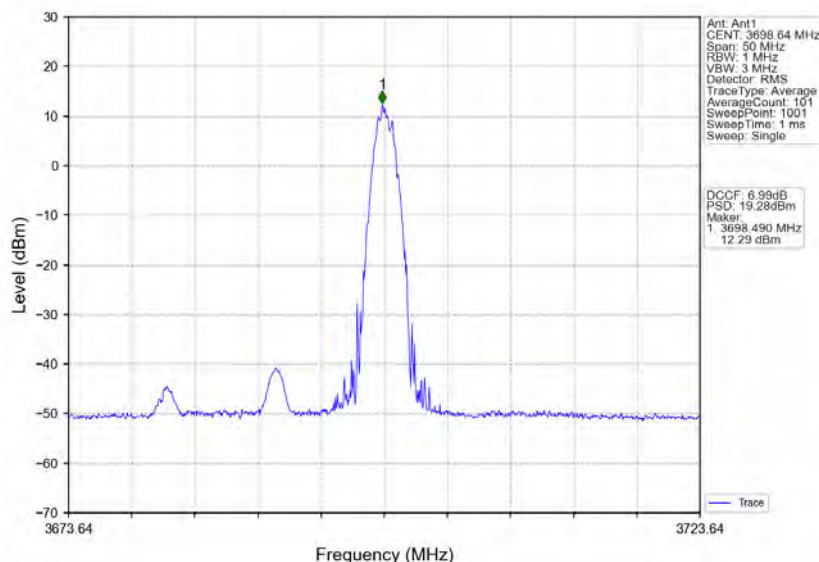
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_256_QAM_3690MHz_Inner_1RB_Left



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	19.05	19.11	22.09	33.37	33.46	36.43	-	Pass
		Edge 1RB Right	19.06	19.17	22.13	33.38	33.52	36.46	-	Pass
		Outer Full	19.09	19.20	22.16	33.41	33.55	36.49	-	Pass
		Inner Full	19.07	19.18	22.14	33.39	33.53	36.47	-	Pass
		Inner 1RB Left	19.07	19.11	22.10	33.39	33.46	36.44	-	Pass
		Inner 1RB Right	18.97	19.22	22.11	33.29	33.57	36.44	-	Pass
	3624.99	Edge 1RB Left	19.22	19.41	22.33	33.54	33.76	36.66	-	Pass
		Edge 1RB Right	19.21	19.30	22.27	33.53	33.65	36.60	-	Pass
		Outer Full	19.29	19.40	22.36	33.61	33.75	36.69	-	Pass
		Inner Full	19.21	19.39	22.31	33.53	33.74	36.65	-	Pass
		Inner 1RB Left	19.28	19.34	22.32	33.60	33.69	36.66	-	Pass
		Inner 1RB Right	19.23	19.27	22.26	33.55	33.62	36.60	-	Pass
	3684.99	Edge 1RB Left	19.05	19.09	22.08	33.37	33.44	36.42	-	Pass
		Edge 1RB Right	19.10	19.03	22.08	33.42	33.38	36.41	-	Pass
		Outer Full	19.07	19.05	22.07	33.39	33.40	36.41	-	Pass
		Inner Full	18.98	19.01	22.01	33.30	33.36	36.34	-	Pass
		Inner 1RB Left	19.18	19.10	22.15	33.50	33.45	36.49	-	Pass
		Inner 1RB Right	19.22	19.12	22.18	33.54	33.47	36.52	-	Pass
CP-OFDM 16 QAM	3565.02	Edge 1RB Left	19.19	19.22	22.22	33.51	33.57	36.55	-	Pass
		Edge 1RB Right	19.12	19.37	22.26	33.44	33.72	36.59	-	Pass
		Outer Full	19.09	19.25	22.18	33.41	33.60	36.52	-	Pass
		Inner Full	19.07	19.15	22.12	33.39	33.50	36.46	-	Pass
		Inner 1RB Left	19.27	19.24	22.27	33.59	33.59	36.60	-	Pass
		Inner 1RB Right	19.16	19.36	22.27	33.48	33.71	36.61	-	Pass
	3624.99	Edge 1RB Left	19.37	19.51	22.45	33.69	33.86	36.79	-	Pass
		Edge 1RB Right	19.36	19.39	22.39	33.68	33.74	36.72	-	Pass
		Outer Full	19.23	19.39	22.32	33.55	33.74	36.66	-	Pass
		Inner Full	19.16	19.36	22.27	33.48	33.71	36.61	-	Pass
		Inner 1RB Left	19.40	19.51	22.47	33.72	33.86	36.80	-	Pass
		Inner 1RB Right	19.40	19.37	22.40	33.72	33.72	36.73	-	Pass
	3684.99	Edge 1RB Left	19.20	19.20	22.21	33.52	33.55	36.55	-	Pass
		Edge 1RB Right	19.23	19.20	22.23	33.55	33.55	36.56	-	Pass
		Outer Full	18.91	19.04	21.99	33.23	33.39	36.32	-	Pass
		Inner Full	18.99	19.00	22.01	33.31	33.35	36.34	-	Pass
		Inner 1RB Left	19.24	19.18	22.22	33.56	33.53	36.56	-	Pass
		Inner 1RB Right	19.16	19.11	22.15	33.48	33.46	36.48	-	Pass
CP-OFDM 64 QAM	3565.02	Edge 1RB Left	19.22	19.39	22.32	33.54	33.74	36.65	-	Pass
		Edge 1RB Right	19.38	19.41	22.41	33.70	33.76	36.74	-	Pass
		Outer Full	19.10	19.20	22.16	33.42	33.55	36.50	-	Pass
		Inner Full	19.03	19.20	22.13	33.35	33.55	36.46	-	Pass
		Inner 1RB Left	19.18	19.33	22.27	33.50	33.68	36.60	-	Pass
		Inner 1RB Right	19.25	19.38	22.33	33.57	33.73	36.66	-	Pass
	3624.99	Edge 1RB Left	19.41	19.58	22.51	33.73	33.93	36.84	-	Pass
		Edge 1RB Right	19.29	19.47	22.39	33.61	33.82	36.73	-	Pass

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CP-OFDM 256 QAM		Outer_Full	19.19	19.35	22.28	33.51	33.70	36.62	-	Pass
		Inner_Full	19.24	19.36	22.31	33.56	33.71	36.65	-	Pass
		Inner_1RB_Left	19.47	19.64	22.57	33.79	33.99	36.90	-	Pass
		Inner_1RB_Right	19.26	19.47	22.38	33.58	33.82	36.71	-	Pass
	3684.99	Edge_1RB_Left	19.35	19.19	22.28	33.67	33.54	36.62	-	Pass
		Edge_1RB_Right	19.27	19.22	22.26	33.59	33.57	36.59	-	Pass
		Outer_Full	19.03	19.03	22.04	33.35	33.38	36.38	-	Pass
		Inner_Full	19.07	19.01	22.05	33.39	33.36	36.39	-	Pass
		Inner_1RB_Left	19.19	19.30	22.26	33.51	33.65	36.59	-	Pass
		Inner_1RB_Right	19.29	19.28	22.30	33.61	33.63	36.63	-	Pass
		Edge_1RB_Left	19.03	19.17	22.11	33.35	33.52	36.45	-	Pass
		Edge_1RB_Right	19.03	19.11	22.08	33.35	33.46	36.42	-	Pass
	3565.02	Outer_Full	19.14	19.14	22.15	33.46	33.49	36.49	-	Pass
		Inner_Full	19.00	19.18	22.10	33.32	33.53	36.44	-	Pass
		Inner_1RB_Left	18.90	19.25	22.09	33.22	33.60	36.42	-	Pass
		Inner_1RB_Right	18.92	19.18	22.06	33.24	33.53	36.40	-	Pass
		Edge_1RB_Left	19.14	19.15	22.16	33.46	33.50	36.49	-	Pass
		Edge_1RB_Right	19.06	19.22	22.15	33.38	33.57	36.49	-	Pass
		Outer_Full	19.31	19.39	22.36	33.63	33.74	36.70	-	Pass
		Inner_Full	19.17	19.38	22.29	33.49	33.73	36.62	-	Pass
	3624.99	Inner_1RB_Left	19.23	19.40	22.33	33.55	33.75	36.66	-	Pass
		Inner_1RB_Right	19.04	19.19	22.13	33.36	33.54	36.46	-	Pass
		Edge_1RB_Left	19.06	19.08	22.08	33.38	33.43	36.42	-	Pass
		Edge_1RB_Right	19.01	19.10	22.07	33.33	33.45	36.40	-	Pass
		Outer_Full	19.05	19.09	22.08	33.37	33.44	36.42	-	Pass
		Inner_Full	19.01	19.02	22.03	33.33	33.37	36.36	-	Pass
		Inner_1RB_Left	19.10	19.06	22.09	33.42	33.41	36.43	-	Pass
		Inner_1RB_Right	19.12	19.08	22.11	33.44	33.43	36.45	-	Pass

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

2.11 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	18.43	18.95	21.71	32.75	33.30	36.04	<=47	Pass
		Edge_1RB_Right	19.13	17.56	21.43	33.45	31.91	35.76	<=47	Pass
		Outer_Full	14.76	14.11	17.46	29.08	28.46	31.79	<=47	Pass
		Inner_Full	17.23	18.68	21.03	31.55	33.03	35.36	<=47	Pass
		Inner_1RB_Left	18.20	19.19	21.73	32.52	33.54	36.07	<=47	Pass
		Inner_1RB_Right	17.44	17.31	20.39	31.76	31.66	34.72	<=47	Pass
	3624.99	Edge_1RB_Left	16.81	17.56	20.21	31.13	31.91	34.55	<=47	Pass
		Edge_1RB_Right	19.13	17.71	21.49	33.45	32.06	35.82	<=47	Pass
		Outer_Full	13.87	15.00	17.48	28.19	29.35	31.82	<=47	Pass
		Inner_Full	17.35	16.38	19.90	31.67	30.73	34.24	<=47	Pass
		Inner_1RB_Left	18.25	18.89	21.59	32.57	33.24	35.93	<=47	Pass
		Inner_1RB_Right	17.55	18.54	21.08	31.87	32.89	35.42	<=47	Pass
	3684.99	Edge_1RB_Left	17.96	17.06	20.54	32.28	31.41	34.88	<=47	Pass



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		Edge 1RB Right	17.14	18.62	20.95	31.46	32.97	35.29	<=47	Pass
		Outer Full	12.22	13.62	15.99	26.54	27.97	30.32	<=47	Pass
		Inner Full	16.91	16.21	19.58	31.23	30.56	33.92	<=47	Pass
		Inner 1RB Left	18.51	16.72	20.72	32.83	31.07	35.05	<=47	Pass
		Inner 1RB Right	18.04	16.78	20.47	32.36	31.13	34.80	<=47	Pass
CP-OFDM 16 QAM	3565.02	Edge 1RB Left	19.37	18.99	22.19	33.69	33.34	36.53	<=47	Pass
		Edge 1RB Right	19.22	19.92	22.59	33.54	34.27	36.93	<=47	Pass
		Outer Full	14.51	13.79	17.18	28.83	28.14	31.51	<=47	Pass
		Inner Full	17.24	16.90	20.08	31.56	31.25	34.42	<=47	Pass
		Inner 1RB Left	18.43	19.39	21.95	32.75	33.74	36.28	<=47	Pass
		Inner 1RB Right	19.93	19.16	22.57	34.25	33.51	36.91	<=47	Pass
	3624.99	Edge 1RB Left	17.20	15.95	19.63	31.52	30.30	33.96	<=47	Pass
		Edge 1RB Right	18.59	18.84	21.73	32.91	33.19	36.06	<=47	Pass
		Outer Full	14.73	14.33	17.54	29.05	28.68	31.88	<=47	Pass
		Inner Full	16.94	18.06	20.55	31.26	32.41	34.88	<=47	Pass
		Inner 1RB Left	18.47	18.33	21.41	32.79	32.68	35.75	<=47	Pass
		Inner 1RB Right	18.76	18.63	21.71	33.08	32.98	36.04	<=47	Pass
	3684.99	Edge 1RB Left	18.68	19.47	22.10	33.00	33.82	36.44	<=47	Pass
		Edge 1RB Right	17.28	18.33	20.85	31.60	32.68	35.18	<=47	Pass
		Outer Full	13.68	12.65	16.21	28.00	27.00	30.54	<=47	Pass
		Inner Full	16.93	15.87	19.44	31.25	30.22	33.78	<=47	Pass
		Inner 1RB Left	18.17	17.56	20.89	32.49	31.91	35.22	<=47	Pass
		Inner 1RB Right	18.45	18.26	21.37	32.77	32.61	35.70	<=47	Pass
CP-OFDM 64 QAM	3565.02	Edge 1RB Left	19.53	17.73	21.73	33.85	32.08	36.06	<=47	Pass
		Edge 1RB Right	18.81	15.51	20.48	33.13	29.86	34.81	<=47	Pass
		Outer Full	13.36	14.80	17.15	27.68	29.15	31.49	<=47	Pass
		Inner Full	17.64	17.37	20.52	31.96	31.72	34.85	<=47	Pass
		Inner 1RB Left	19.33	18.86	22.11	33.65	33.21	36.45	<=47	Pass
		Inner 1RB Right	18.95	19.83	22.42	33.27	34.18	36.76	<=47	Pass
	3624.99	Edge 1RB Left	18.35	18.54	21.46	32.67	32.89	35.79	<=47	Pass
		Edge 1RB Right	17.95	17.50	20.74	32.27	31.85	35.08	<=47	Pass
		Outer Full	13.37	14.35	16.90	27.69	28.70	31.23	<=47	Pass
		Inner Full	16.79	17.24	20.03	31.11	31.59	34.37	<=47	Pass
		Inner 1RB Left	17.97	18.68	21.35	32.29	33.03	35.69	<=47	Pass
		Inner 1RB Right	18.63	17.75	21.22	32.95	32.10	35.56	<=47	Pass
	3684.99	Edge 1RB Left	18.25	17.93	21.10	32.57	32.28	35.44	<=47	Pass
		Edge 1RB Right	18.22	17.99	21.12	32.54	32.34	35.45	<=47	Pass
		Outer Full	13.08	13.08	16.09	27.40	27.43	30.43	<=47	Pass
		Inner Full	16.43	16.49	19.47	30.75	30.84	33.81	<=47	Pass
		Inner 1RB Left	18.03	19.18	21.65	32.35	33.53	35.99	<=47	Pass
		Inner 1RB Right	18.36	18.62	21.50	32.68	32.97	35.84	<=47	Pass
CP-OFDM 256 QAM	3565.02	Edge 1RB Left	18.85	19.11	21.99	33.17	33.46	36.33	<=47	Pass
		Edge 1RB Right	18.95	20.20	22.63	33.27	34.55	36.97	<=47	Pass
		Outer Full	14.20	12.97	16.64	28.52	27.32	30.97	<=47	Pass
		Inner Full	18.08	17.50	20.81	32.40	31.85	35.14	<=47	Pass
		Inner 1RB Left	18.18	19.33	21.80	32.50	33.68	36.14	<=47	Pass
		Inner 1RB Right	18.67	19.04	21.87	32.99	33.39	36.20	<=47	Pass
	3624.99	Edge 1RB Left	18.45	18.69	21.58	32.77	33.04	35.92	<=47	Pass
		Edge 1RB Right	17.14	17.60	20.39	31.46	31.95	34.72	<=47	Pass
		Outer Full	13.50	14.47	17.02	27.82	28.82	31.36	<=47	Pass
		Inner Full	16.19	16.82	19.53	30.51	31.17	33.86	<=47	Pass
		Inner 1RB Left	18.13	16.15	20.26	32.45	30.50	34.59	<=47	Pass
		Inner 1RB Right	18.32	19.21	21.80	32.64	33.56	36.13	<=47	Pass
	3684.99	Edge 1RB Left	16.83	17.63	20.26	31.15	31.98	34.60	<=47	Pass

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	Edge_1RB_Right	18.62	18.67	21.66	32.94	33.02	35.99	<=47	Pass
	Outer_Full	13.88	13.54	16.72	28.20	27.89	31.06	<=47	Pass
	Inner_Full	16.67	17.06	19.88	30.99	31.41	34.22	<=47	Pass
	Inner_1RB_Left	17.90	16.43	20.24	32.22	30.78	34.57	<=47	Pass
	Inner_1RB_Right	18.30	18.49	21.41	32.62	32.84	35.74	<=47	Pass

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

2.12 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	18.28	19.80	22.12	32.60	34.15	36.45	<=37	Pass
		Edge_1RB_Right	19.39	18.44	21.95	33.71	32.79	36.28	<=37	Pass
		Outer_Full	5.34	6.04	8.71	19.66	20.39	23.05	<=37	Pass
		Inner_Full	8.01	8.10	11.07	22.33	22.45	25.40	<=37	Pass
		Inner_1RB_Left	18.47	20.55	22.64	32.79	34.90	36.98	<=37	Pass
		Inner_1RB_Right	18.97	18.68	21.84	33.29	33.03	36.17	<=37	Pass
	3624.99	Edge_1RB_Left	17.99	19.13	21.61	32.31	33.48	35.94	<=37	Pass
		Edge_1RB_Right	18.35	18.85	21.62	32.67	33.20	35.95	<=37	Pass
		Outer_Full	5.53	5.40	8.48	19.85	19.75	22.81	<=37	Pass
		Inner_Full	8.23	9.23	11.77	22.55	23.58	26.11	<=37	Pass
		Inner_1RB_Left	18.61	18.60	21.62	32.93	32.95	35.95	<=37	Pass
		Inner_1RB_Right	18.18	18.15	21.18	32.50	32.50	35.51	<=37	Pass
	3684.99	Edge_1RB_Left	18.83	19.78	22.34	33.15	34.13	36.68	<=37	Pass
		Edge_1RB_Right	18.94	17.10	21.13	33.26	31.45	35.46	<=37	Pass
		Outer_Full	4.65	4.95	7.81	18.97	19.30	22.15	<=37	Pass
		Inner_Full	8.56	8.14	11.37	22.88	22.49	25.70	<=37	Pass
		Inner_1RB_Left	17.68	17.79	20.75	32.00	32.14	35.08	<=37	Pass
		Inner_1RB_Right	18.31	18.88	21.61	32.63	33.23	35.95	<=37	Pass
CP-OFDM 16 QAM	3565.02	Edge_1RB_Left	19.23	18.79	22.03	33.55	33.14	36.36	<=37	Pass
		Edge_1RB_Right	19.35	19.32	22.35	33.67	33.67	36.68	<=37	Pass
		Outer_Full	5.60	6.57	9.12	19.92	20.92	23.46	<=37	Pass
		Inner_Full	8.20	9.10	11.68	22.52	23.45	26.02	<=37	Pass
		Inner_1RB_Left	18.41	18.01	21.22	32.73	32.36	35.56	<=37	Pass
		Inner_1RB_Right	19.32	18.79	22.07	33.64	33.14	36.41	<=37	Pass
	3624.99	Edge_1RB_Left	18.88	18.11	21.52	33.20	32.46	35.86	<=37	Pass
		Edge_1RB_Right	18.67	18.09	21.40	32.99	32.44	35.73	<=37	Pass
		Outer_Full	5.66	6.12	8.91	19.98	20.47	23.24	<=37	Pass
		Inner_Full	7.18	8.64	10.98	21.50	22.99	25.32	<=37	Pass
		Inner_1RB_Left	18.52	19.16	21.86	32.84	33.51	36.20	<=37	Pass
		Inner_1RB_Right	18.40	18.84	21.64	32.72	33.19	35.97	<=37	Pass
	3684.99	Edge_1RB_Left	18.64	18.99	21.83	32.96	33.34	36.16	<=37	Pass
		Edge_1RB_Right	17.95	19.39	21.74	32.27	33.74	36.08	<=37	Pass
		Outer_Full	5.09	4.92	8.02	19.41	19.27	22.35	<=37	Pass
		Inner_Full	7.66	7.76	10.72	21.98	22.11	25.06	<=37	Pass
		Inner_1RB_Left	19.19	17.93	21.62	33.51	32.28	35.95	<=37	Pass
		Inner_1RB_Right	18.17	18.18	21.19	32.49	32.53	35.52	<=37	Pass



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CP-OFDM 64 QAM	3565.02	Edge 1RB Left	18.37	18.90	21.65	32.69	33.25	35.99	<=37	Pass
		Edge 1RB Right	18.74	18.60	21.68	33.06	32.95	36.02	<=37	Pass
		Outer Full	6.42	6.67	9.56	20.74	21.02	23.89	<=37	Pass
		Inner Full	8.49	9.21	11.88	22.81	23.56	26.21	<=37	Pass
		Inner 1RB Left	18.94	19.84	22.42	33.26	34.19	36.76	<=37	Pass
		Inner 1RB Right	19.24	18.82	22.05	33.56	33.17	36.38	<=37	Pass
	3624.99	Edge 1RB Left	20.12	18.02	22.21	34.44	32.37	36.54	<=37	Pass
		Edge 1RB Right	18.44	19.37	21.94	32.76	33.72	36.28	<=37	Pass
		Outer Full	5.41	6.51	9.01	19.73	20.86	23.34	<=37	Pass
		Inner Full	7.85	8.54	11.22	22.17	22.89	25.56	<=37	Pass
		Inner 1RB Left	18.50	19.50	22.04	32.82	33.85	36.38	<=37	Pass
		Inner 1RB Right	18.67	17.97	21.34	32.99	32.32	35.68	<=37	Pass
	3684.99	Edge 1RB Left	18.22	19.19	21.74	32.54	33.54	36.08	<=37	Pass
		Edge 1RB Right	18.20	18.58	21.40	32.52	32.93	35.74	<=37	Pass
		Outer Full	5.33	5.07	8.21	19.65	19.42	22.55	<=37	Pass
		Inner Full	8.53	9.28	11.93	22.85	23.63	26.27	<=37	Pass
		Inner 1RB Left	18.84	17.92	21.41	33.16	32.27	35.75	<=37	Pass
		Inner 1RB Right	17.16	18.74	21.03	31.48	33.09	35.37	<=37	Pass
CP-OFDM 256 QAM	3565.02	Edge 1RB Left	18.71	17.98	21.37	33.03	32.33	35.70	<=37	Pass
		Edge 1RB Right	18.54	18.84	21.70	32.86	33.19	36.04	<=37	Pass
		Outer Full	5.89	5.94	8.93	20.21	20.29	23.26	<=37	Pass
		Inner Full	8.44	10.36	12.52	22.76	24.71	26.85	<=37	Pass
		Inner 1RB Left	19.28	19.06	22.18	33.60	33.41	36.52	<=37	Pass
		Inner 1RB Right	18.71	17.52	21.17	33.03	31.87	35.50	<=37	Pass
	3624.99	Edge 1RB Left	18.44	18.74	21.60	32.76	33.09	35.94	<=37	Pass
		Edge 1RB Right	18.40	19.40	21.94	32.72	33.75	36.28	<=37	Pass
		Outer Full	5.18	6.56	8.93	19.50	20.91	23.27	<=37	Pass
		Inner Full	8.10	9.70	11.98	22.42	24.05	26.32	<=37	Pass
		Inner 1RB Left	19.14	19.28	22.22	33.46	33.63	36.56	<=37	Pass
		Inner 1RB Right	19.34	19.03	22.20	33.66	33.38	36.53	<=37	Pass
	3684.99	Edge 1RB Left	17.20	18.50	20.91	31.52	32.85	35.25	<=37	Pass
		Edge 1RB Right	18.79	19.05	21.93	33.11	33.40	36.27	<=37	Pass
		Outer Full	5.01	4.67	7.85	19.33	19.02	22.19	<=37	Pass
		Inner Full	7.71	7.82	10.78	22.03	22.17	25.11	<=37	Pass
		Inner 1RB Left	17.47	18.44	20.99	31.79	32.79	35.33	<=37	Pass
		Inner 1RB Right	18.98	18.74	21.87	33.30	33.09	36.21	<=37	Pass

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



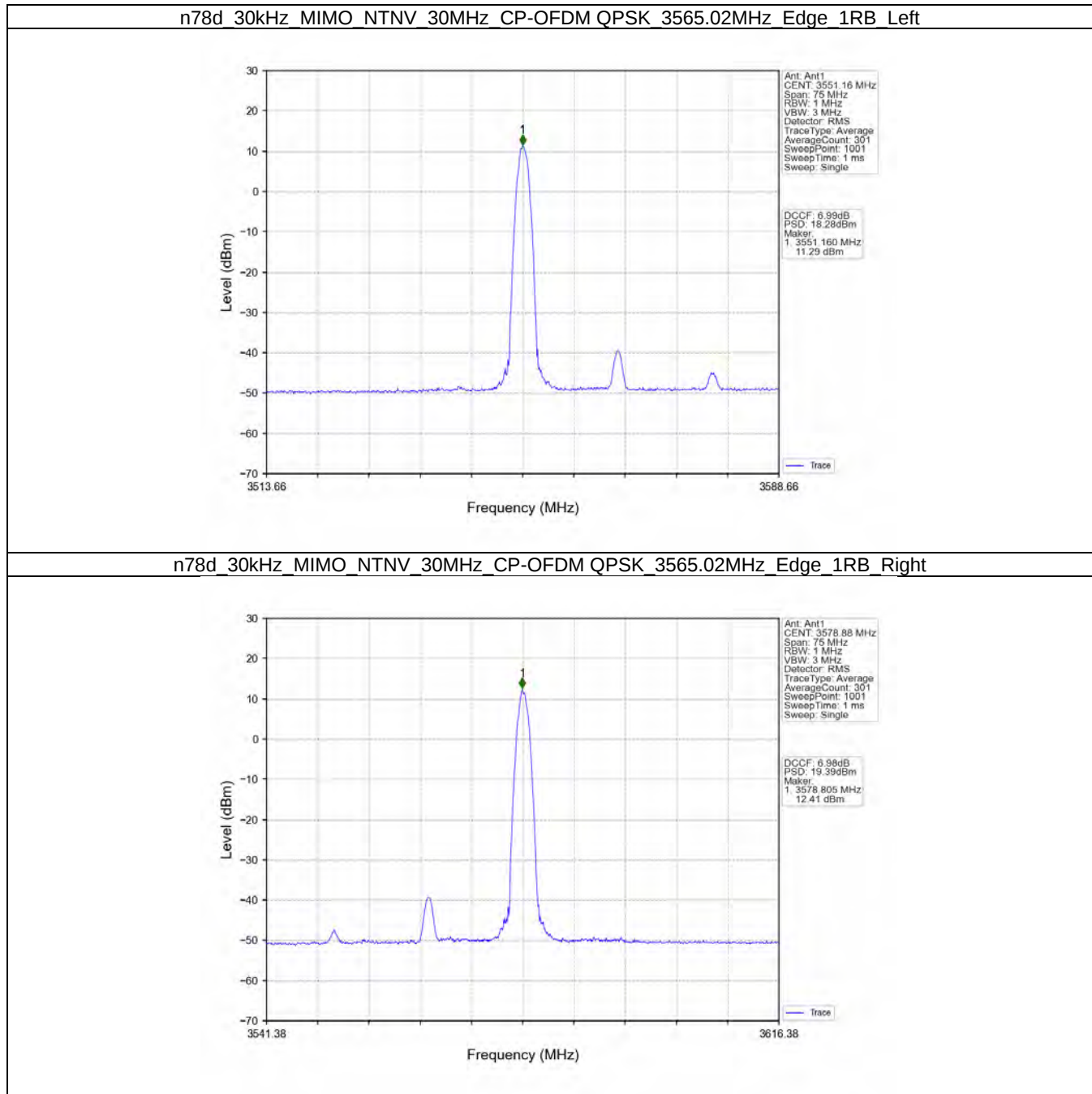
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2.12.2 Test Graph for ANT1



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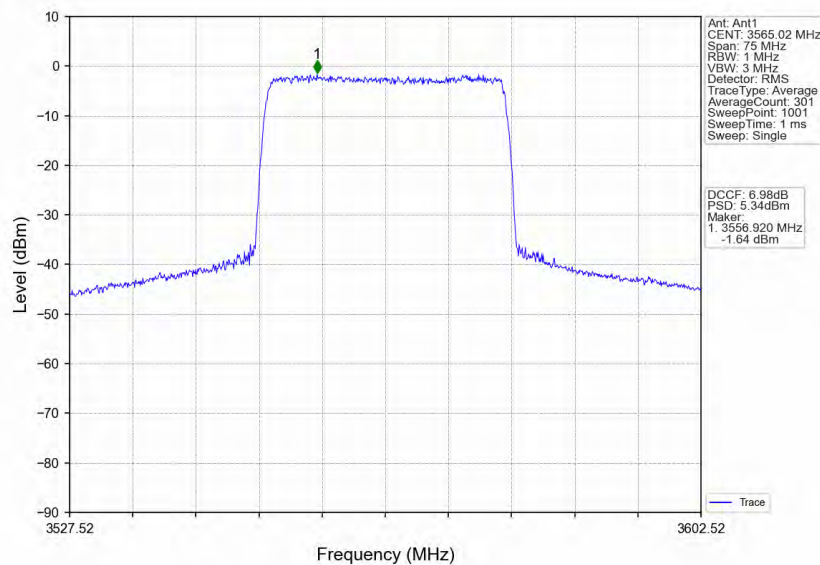
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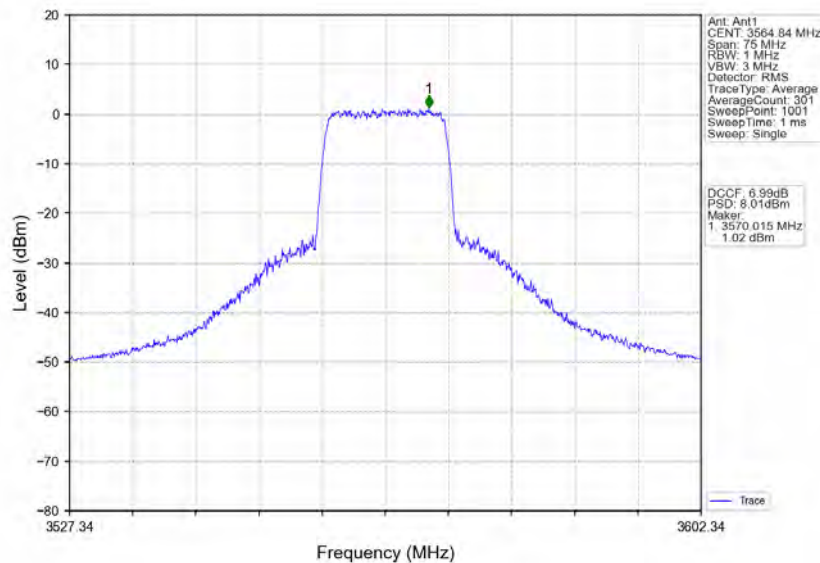
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n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3565.02MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3565.02MHz_Inner_Full



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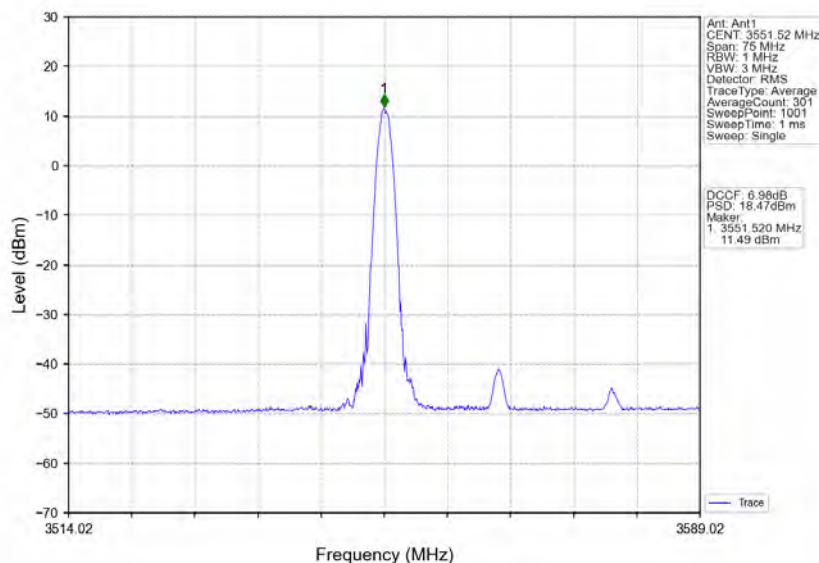
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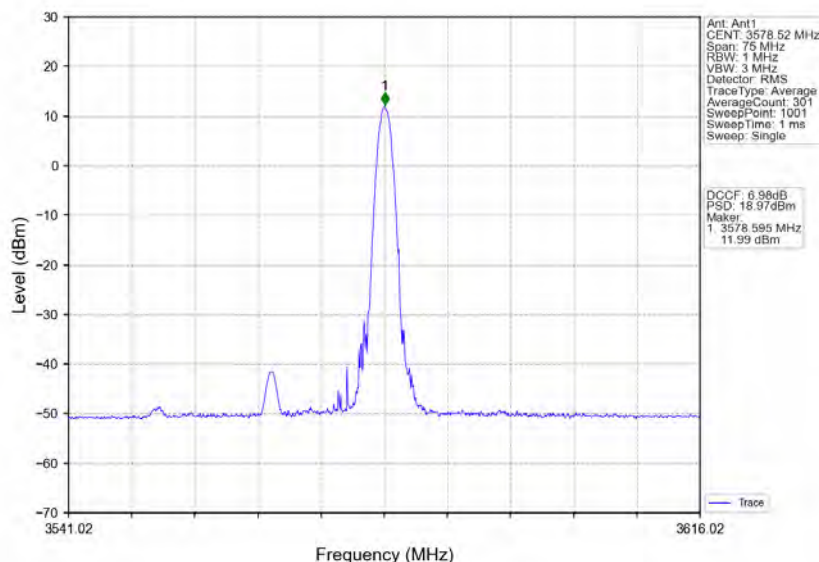
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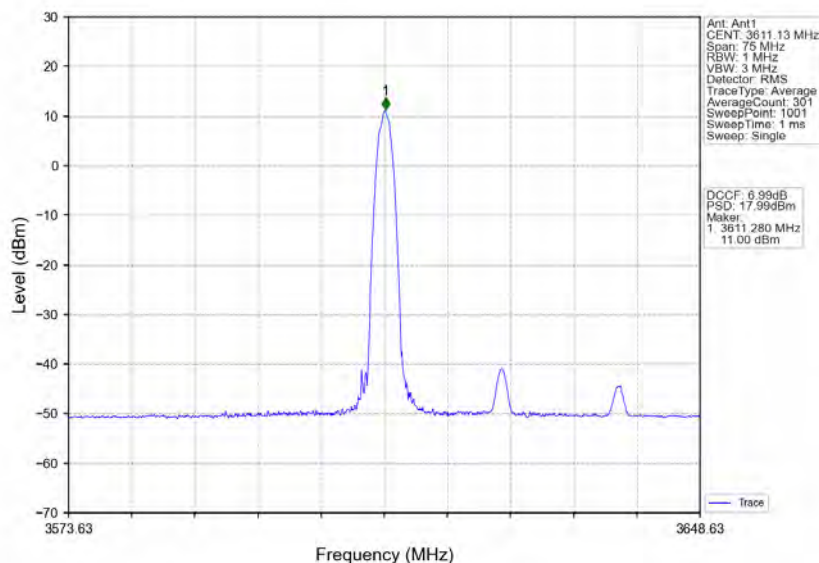
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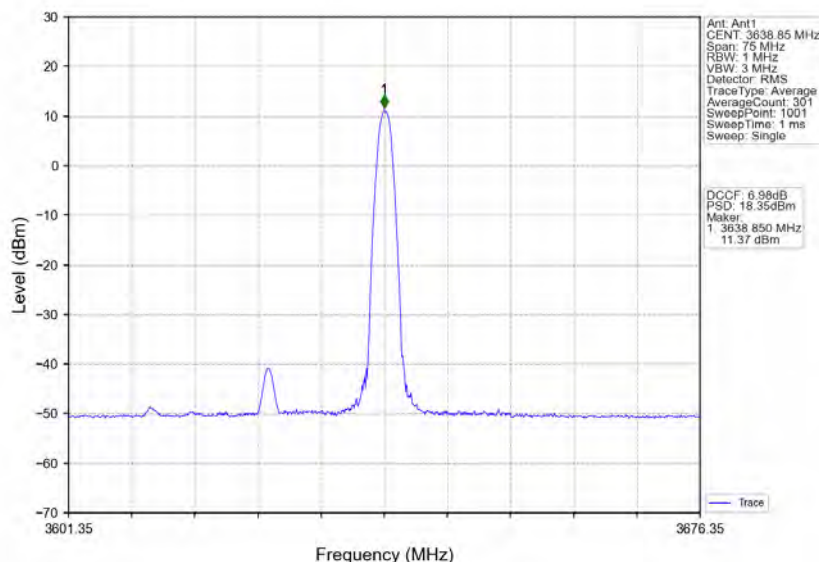
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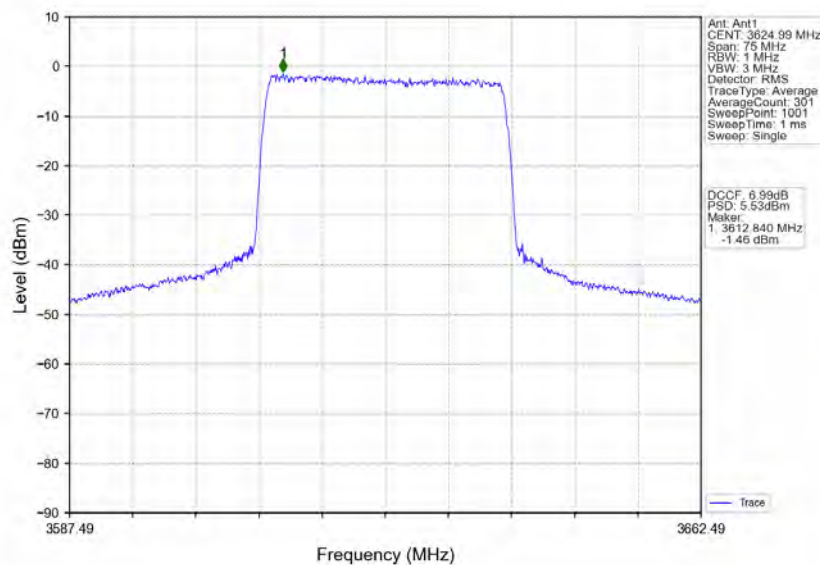
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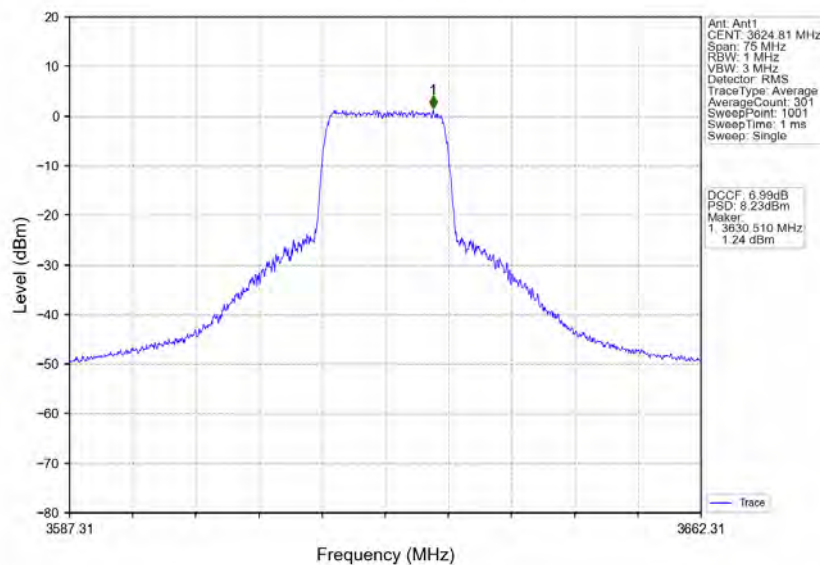
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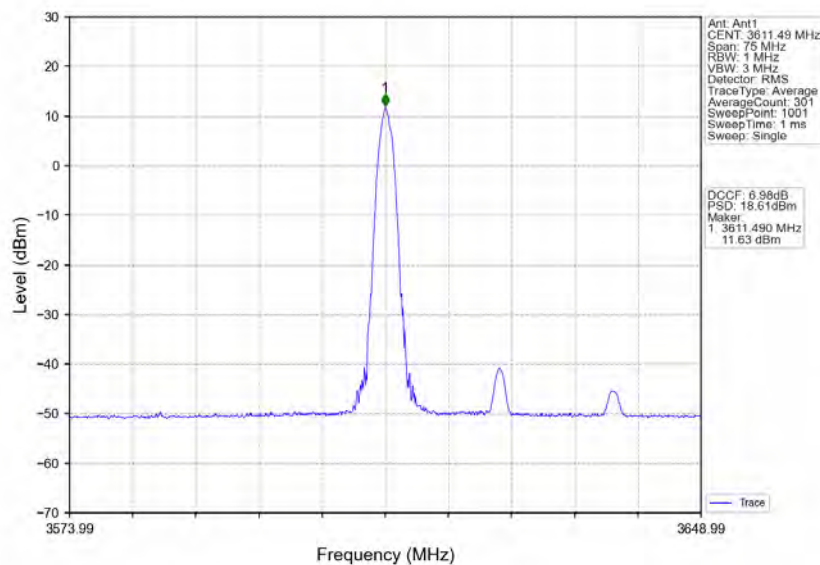
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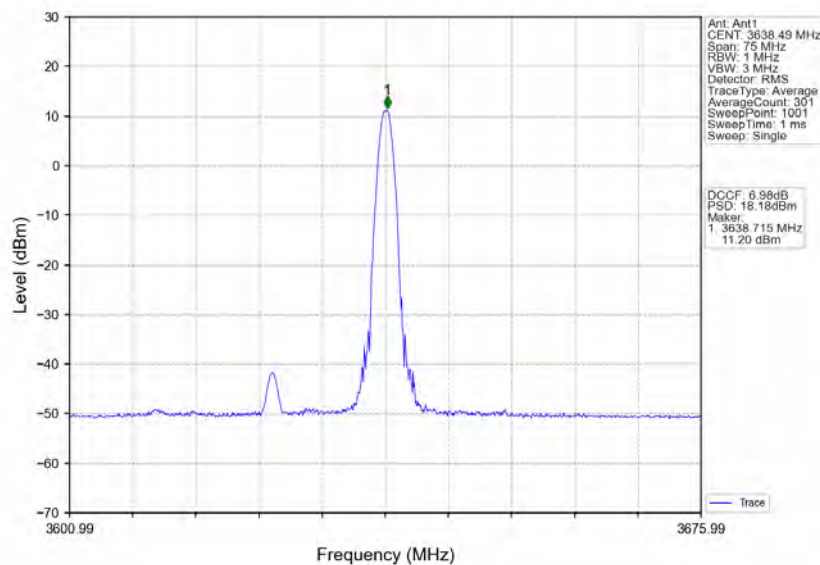
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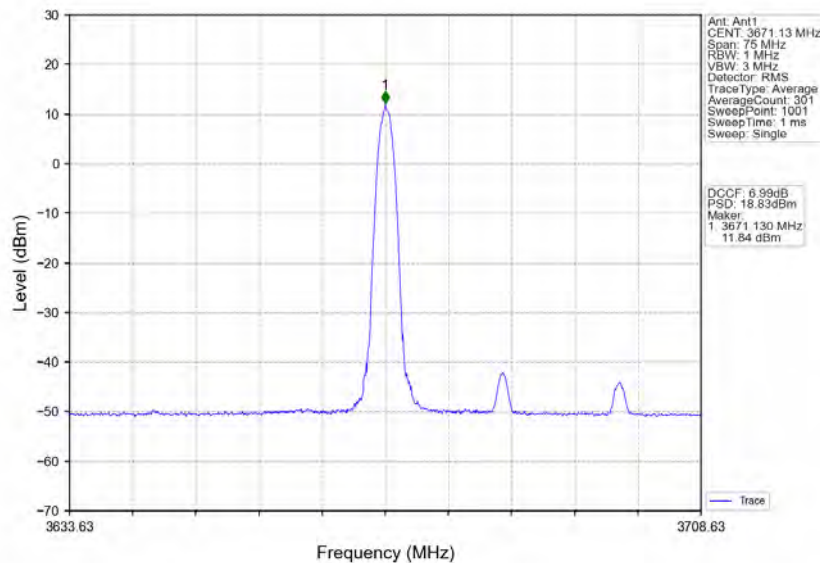
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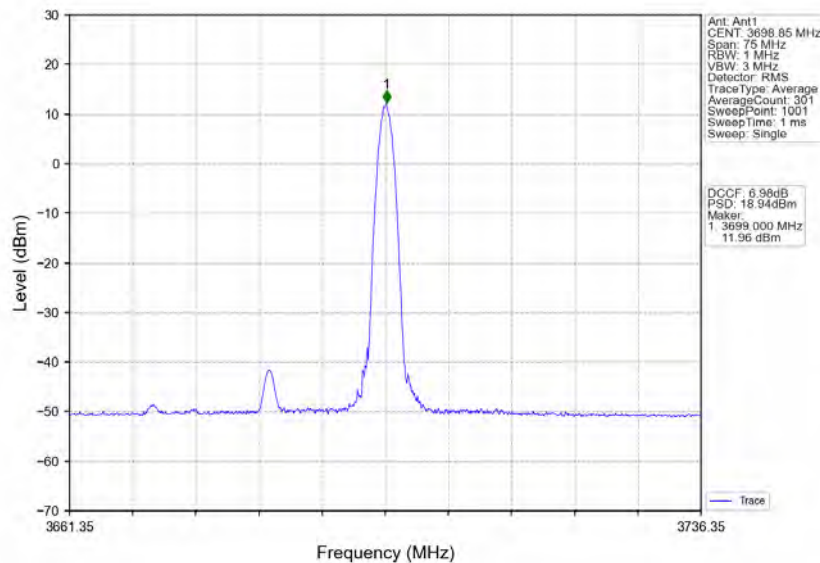
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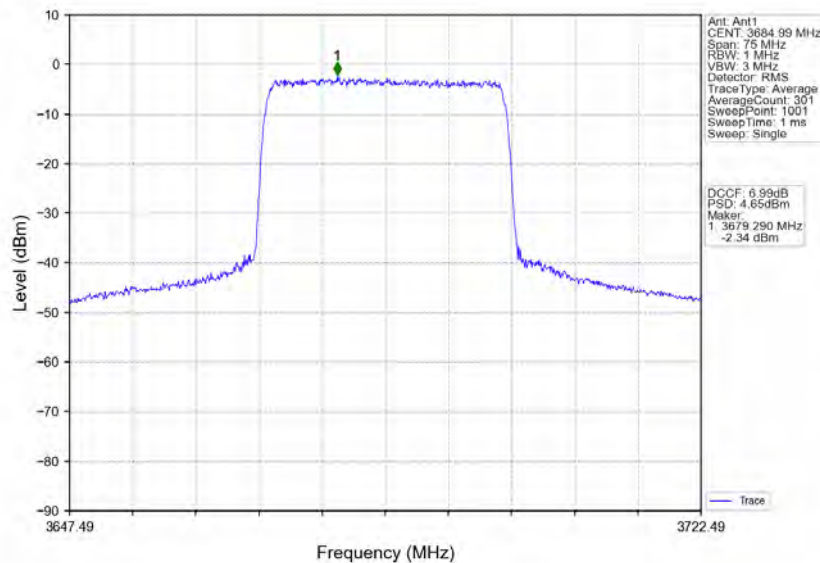
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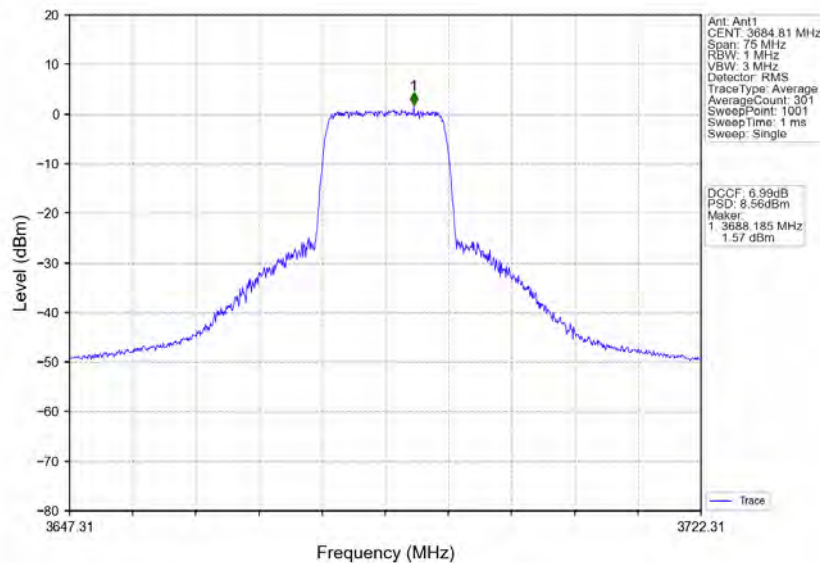
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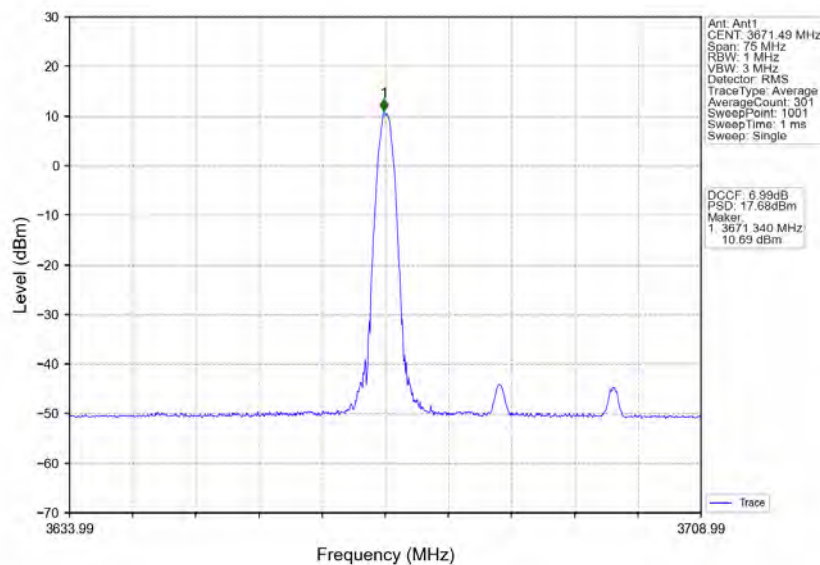
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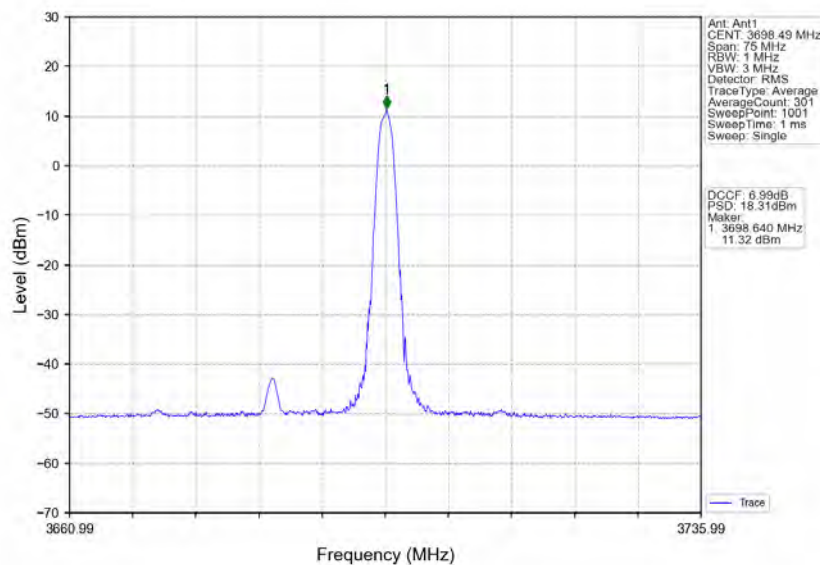
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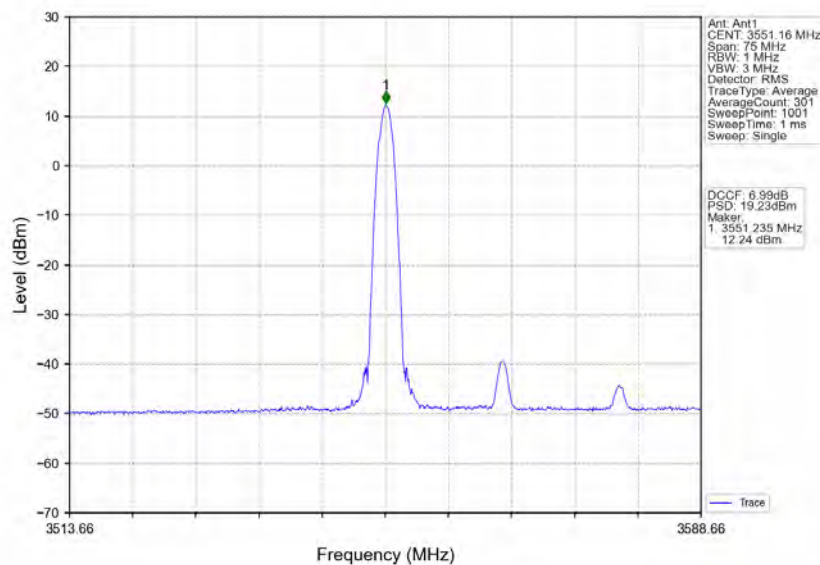
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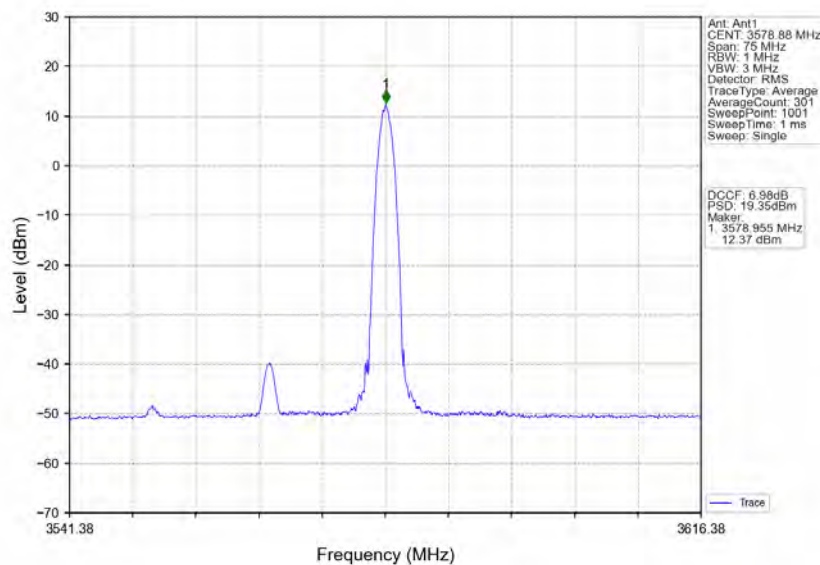
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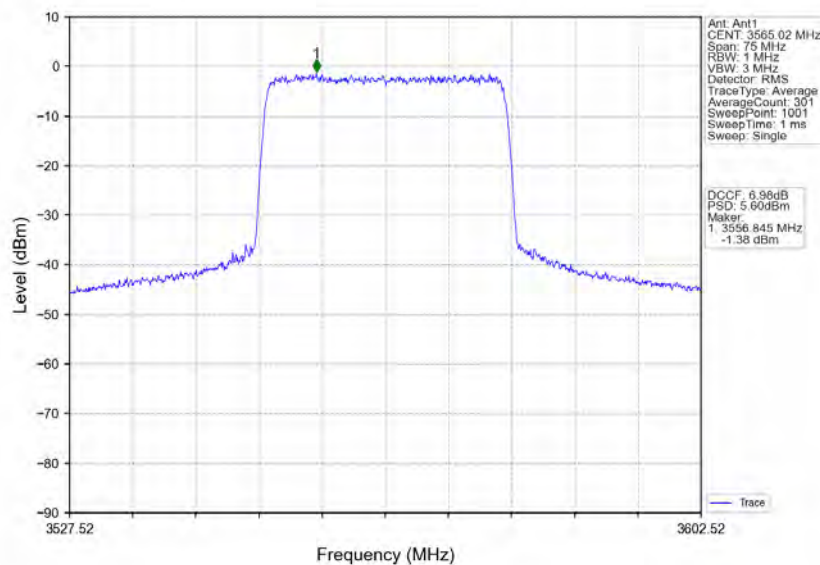
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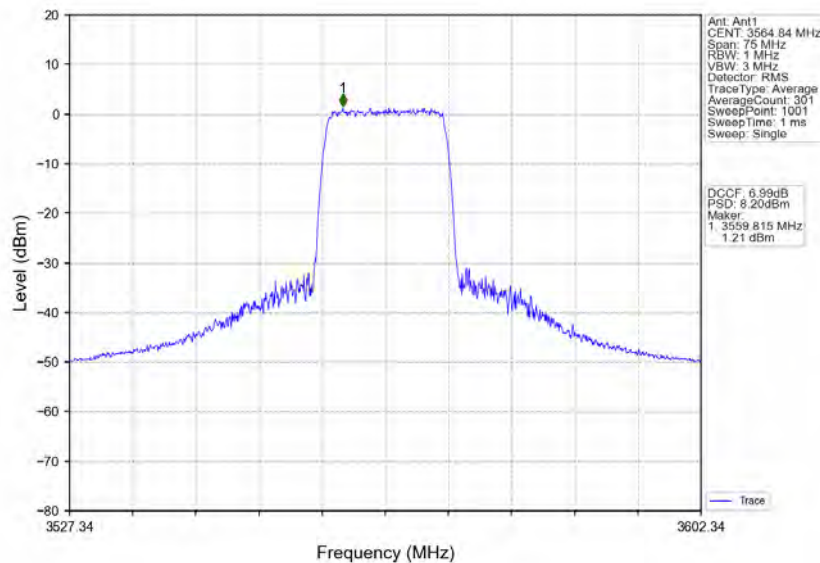
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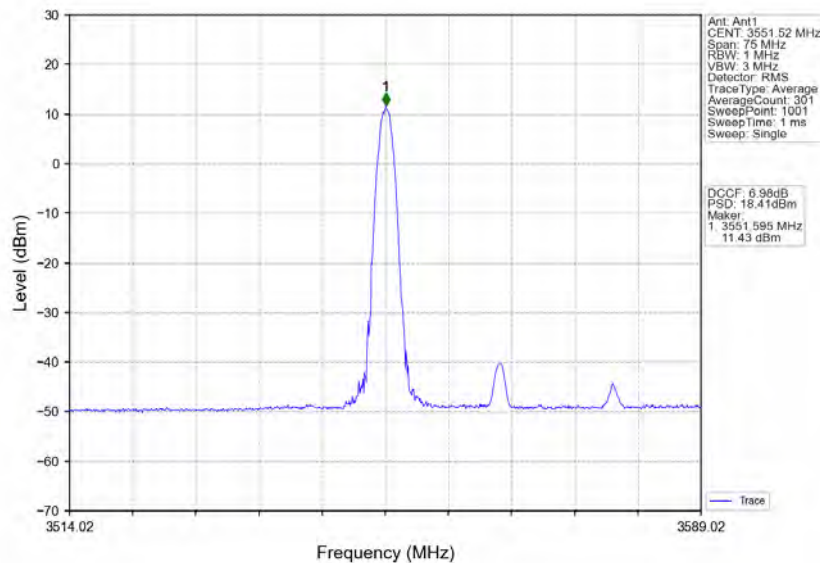
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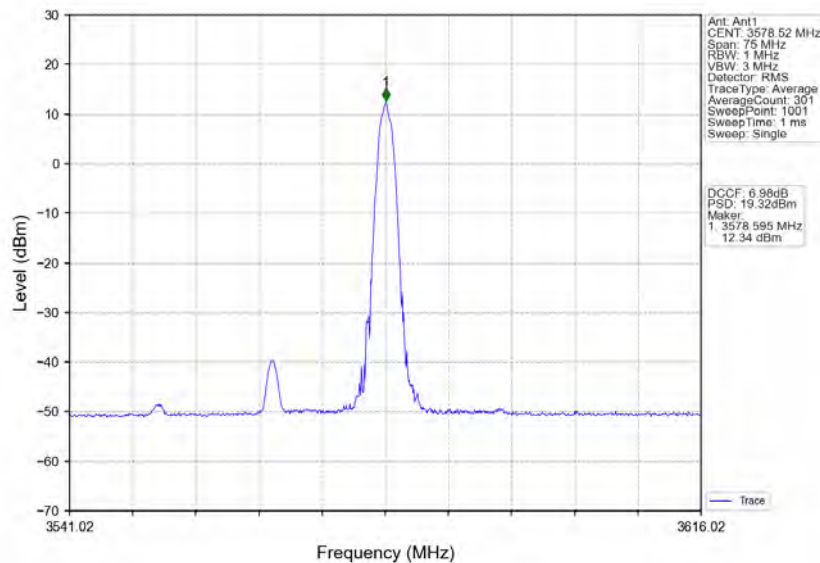
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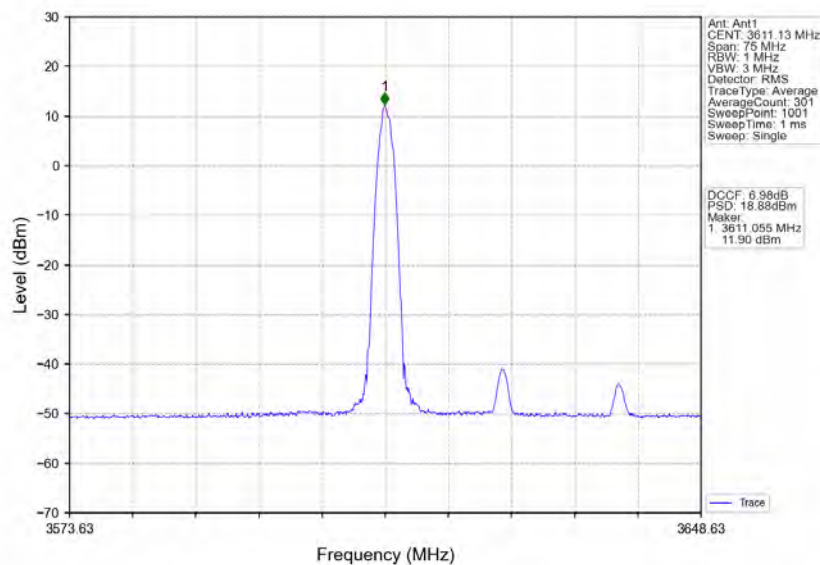
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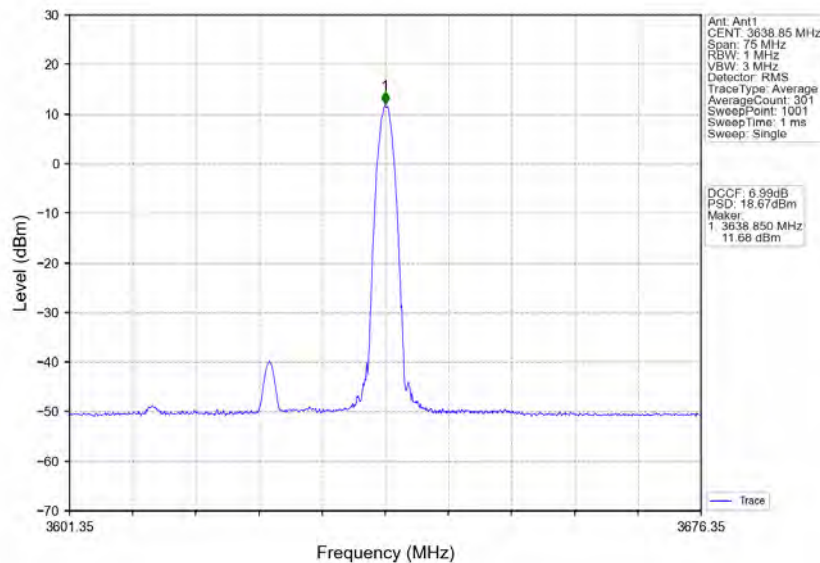
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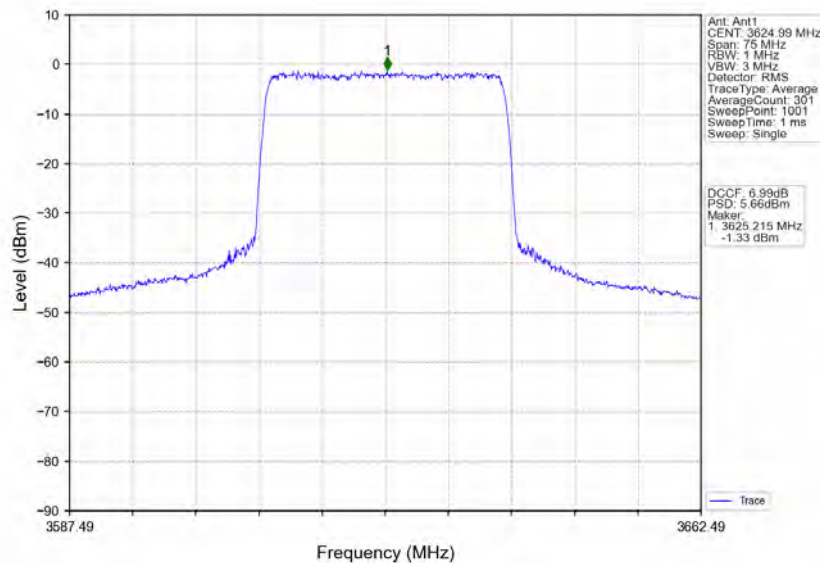
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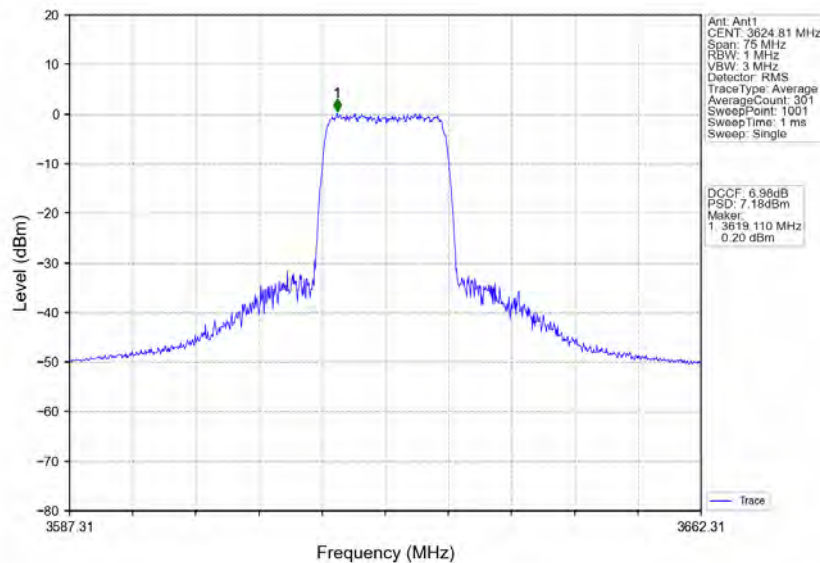
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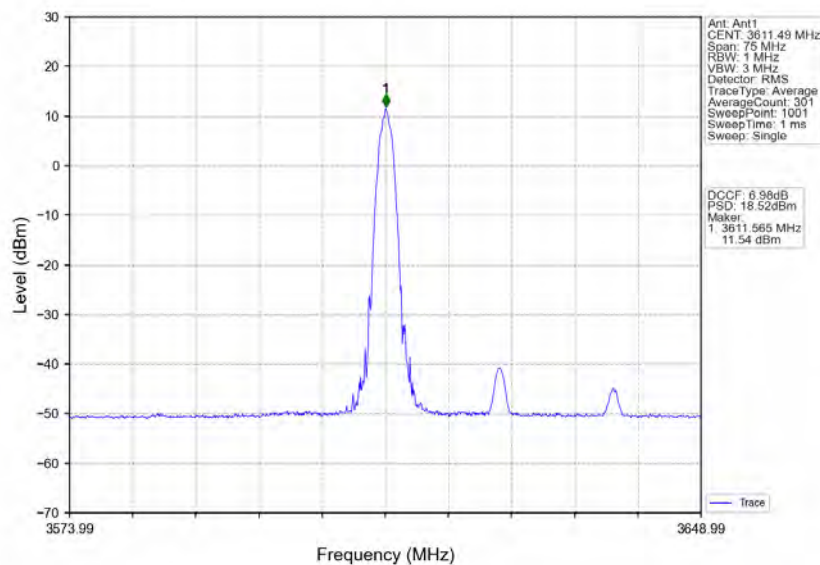
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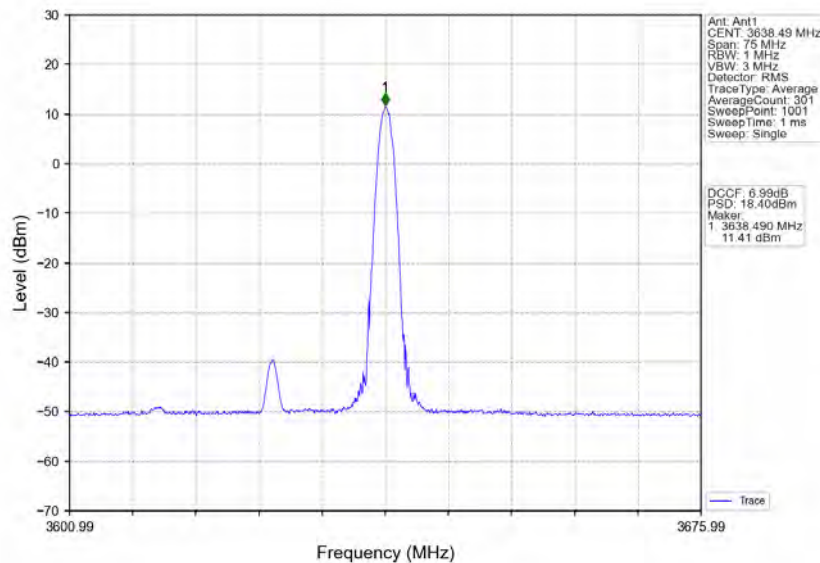
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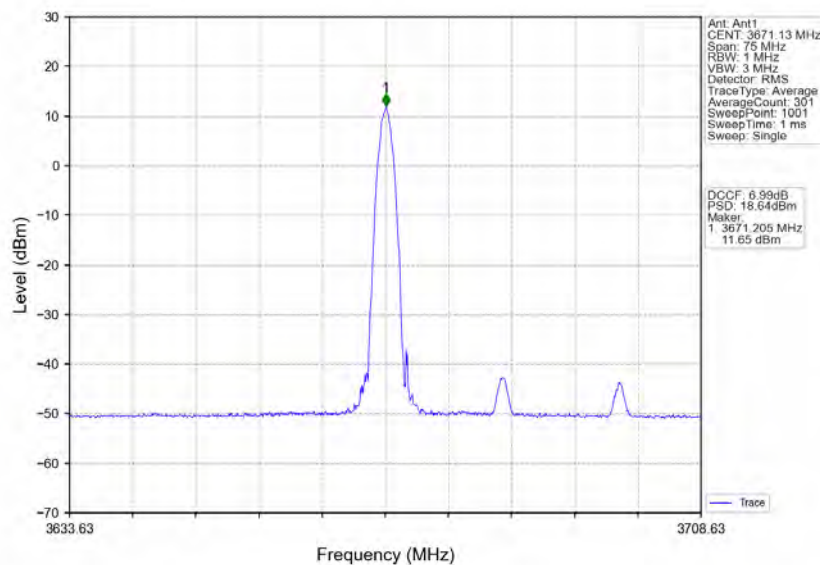
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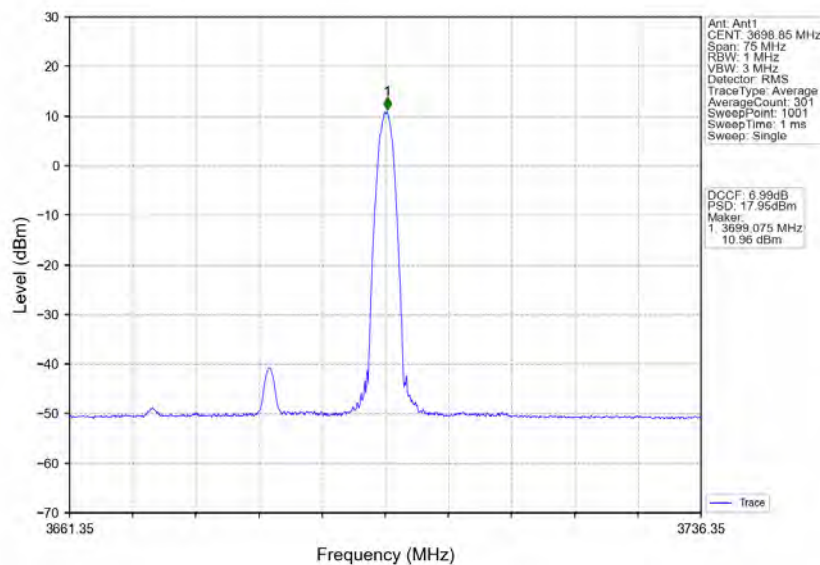
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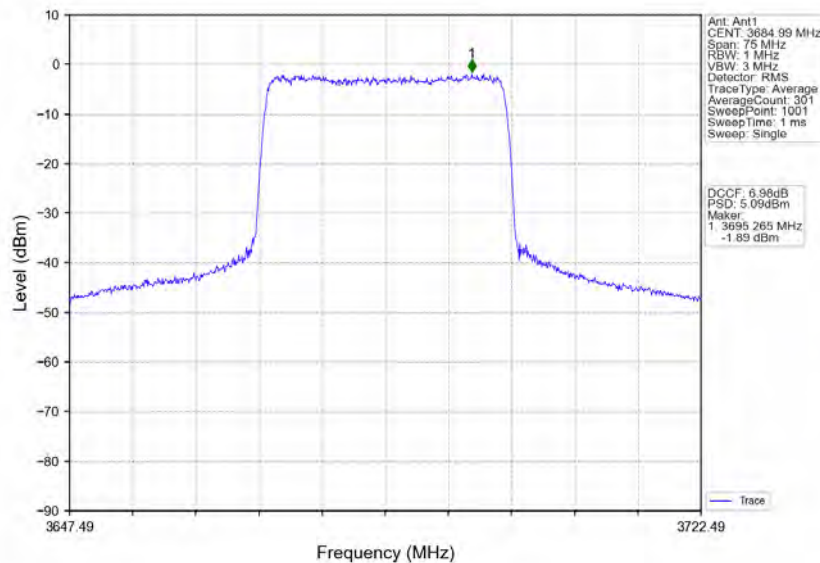
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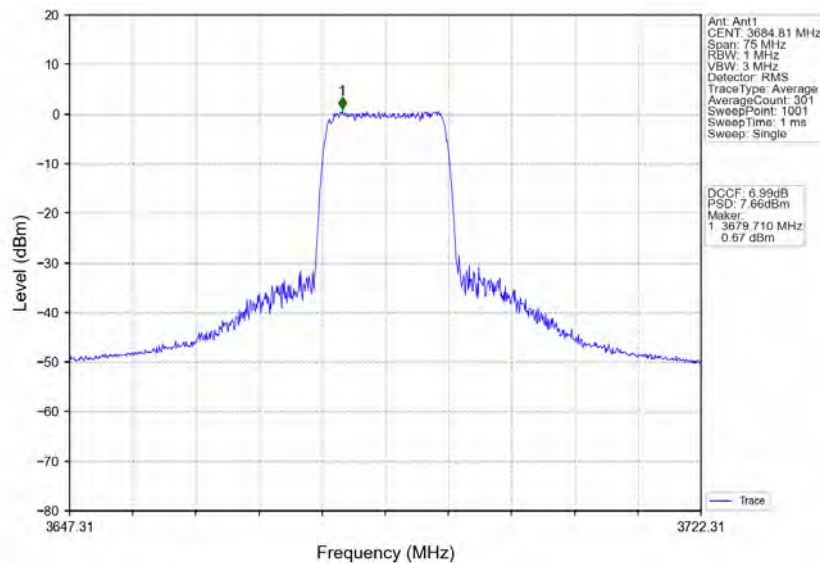
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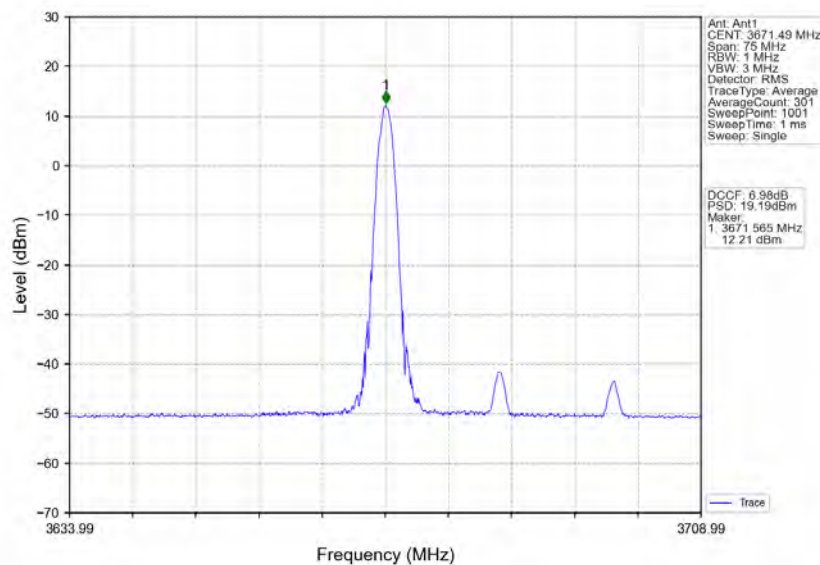
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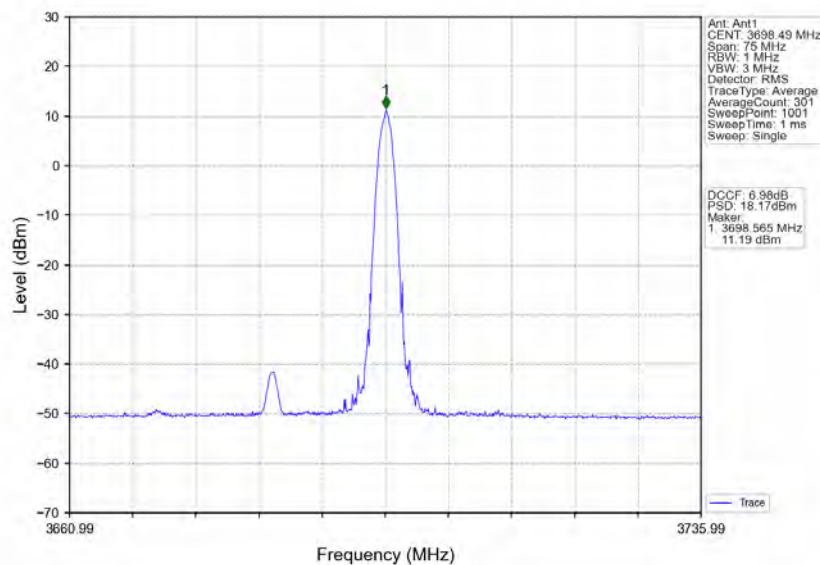
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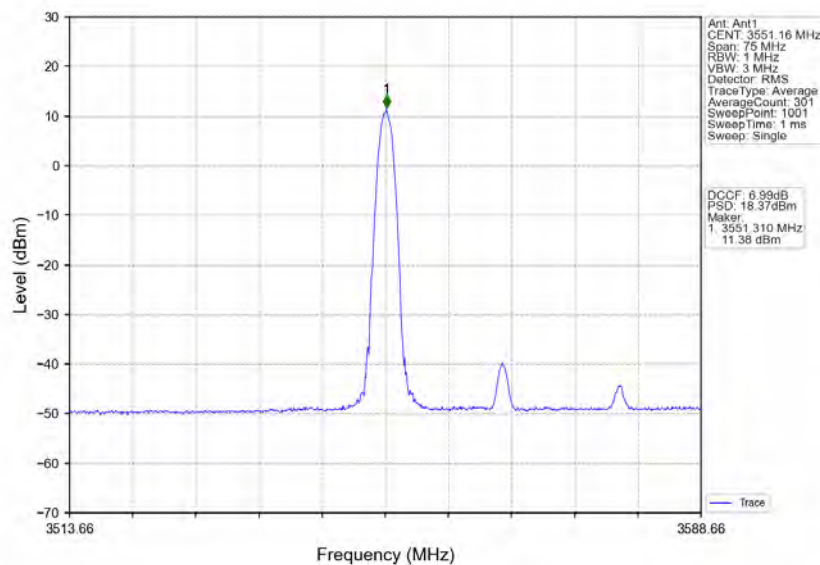
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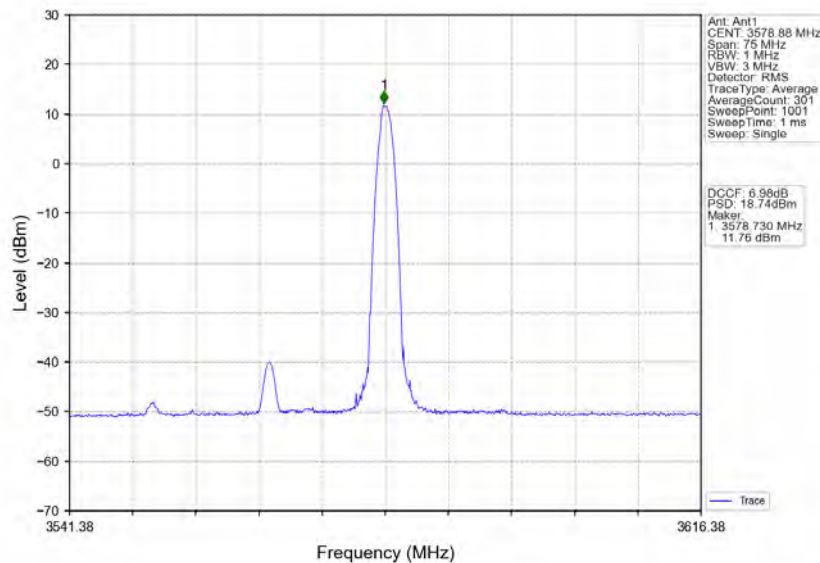
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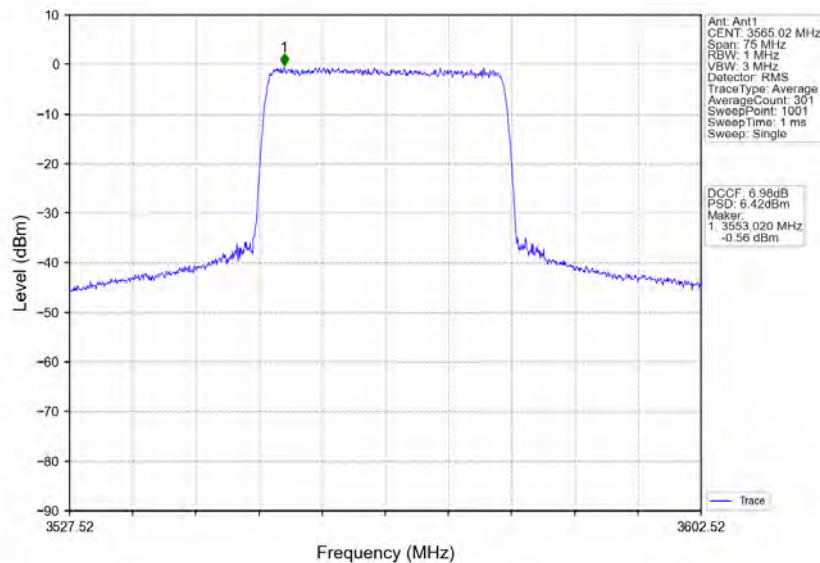
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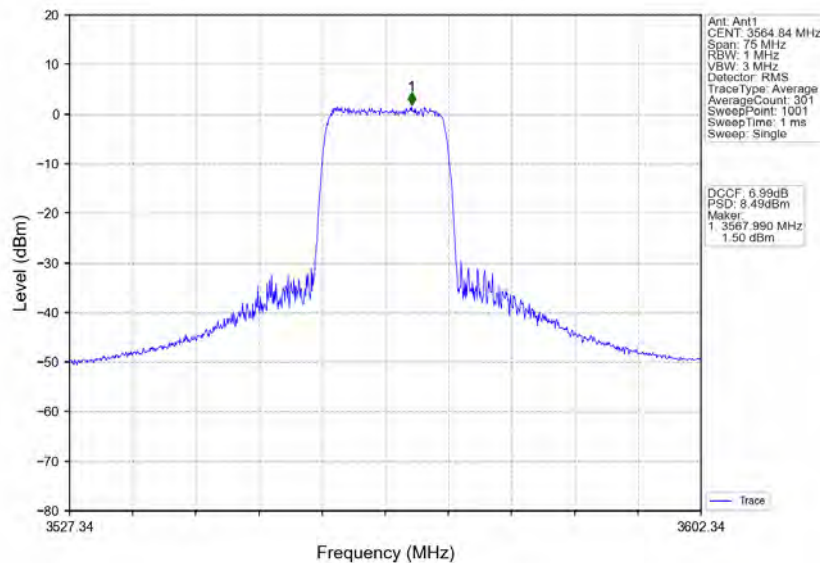
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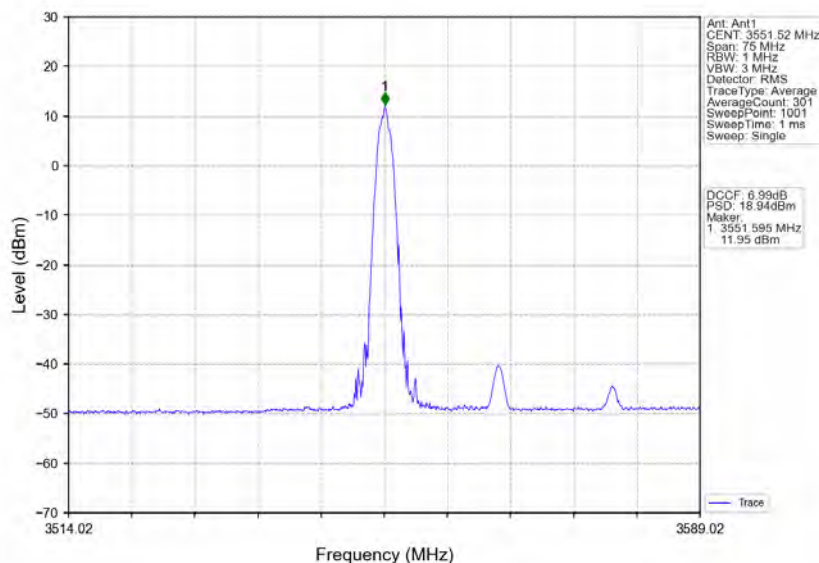
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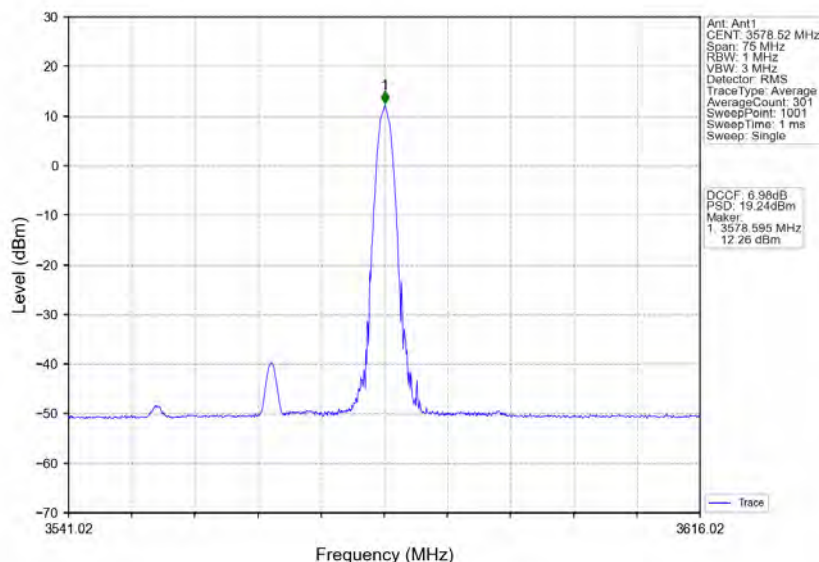
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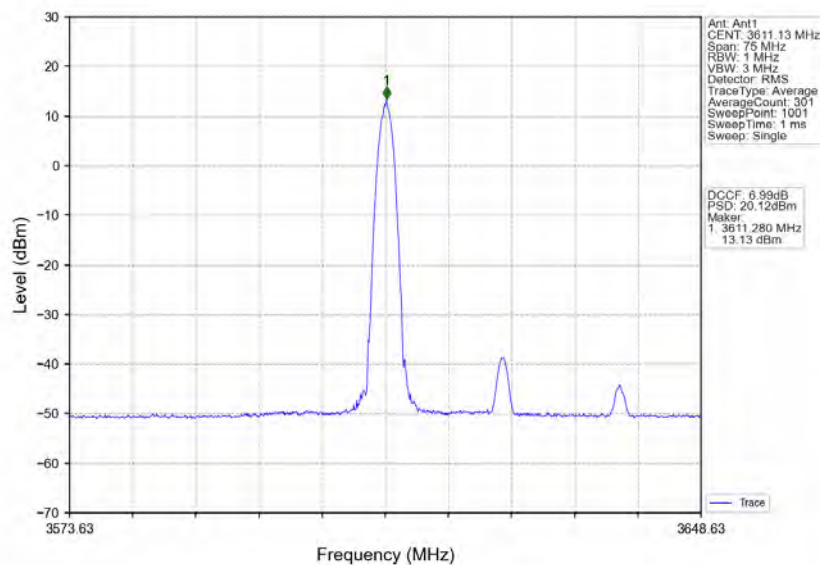
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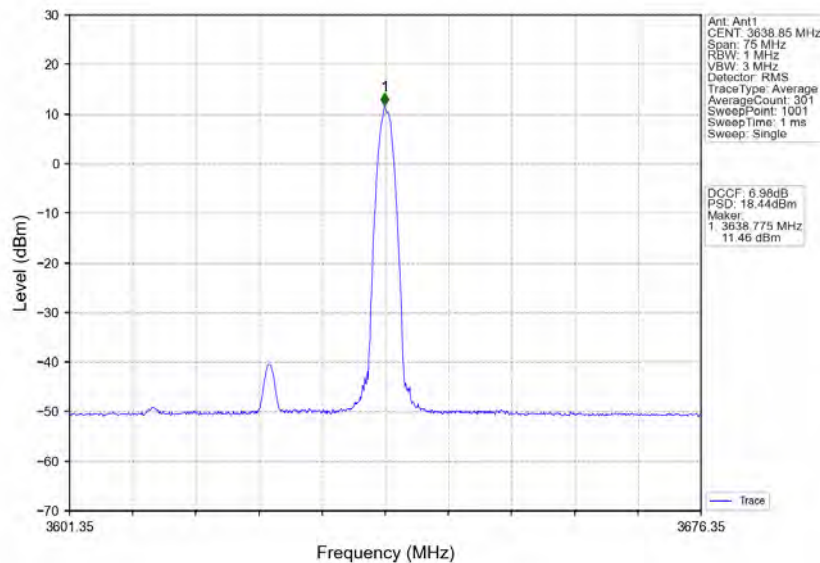
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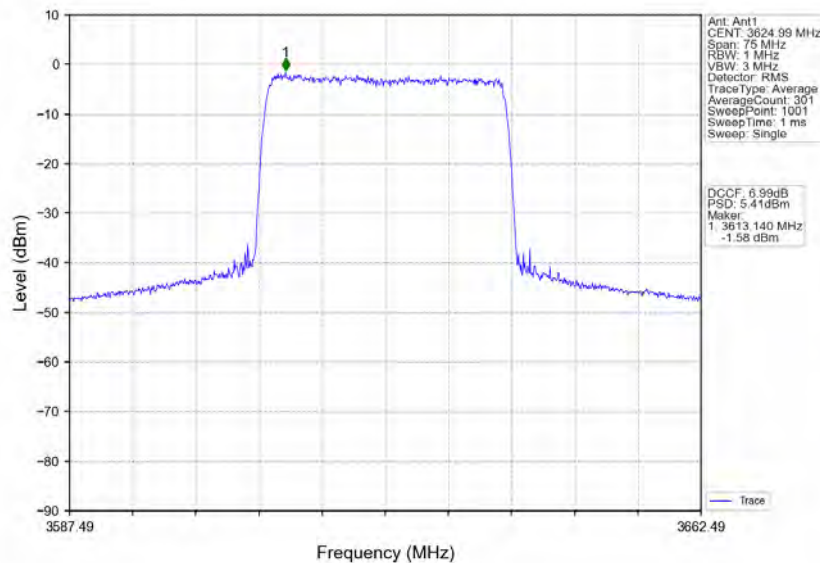
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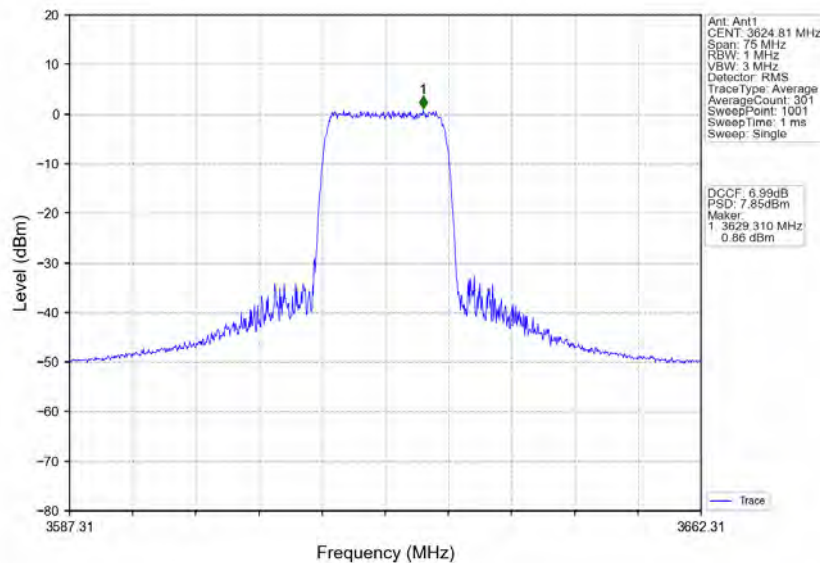
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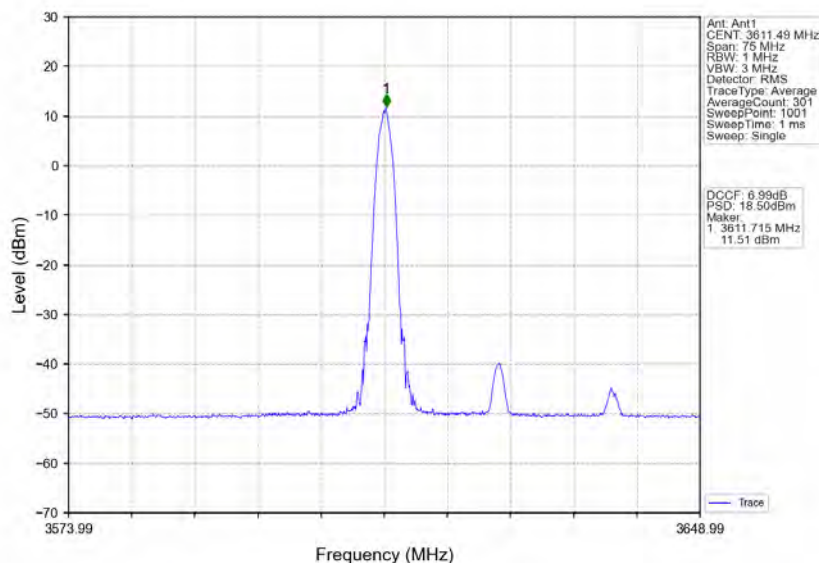
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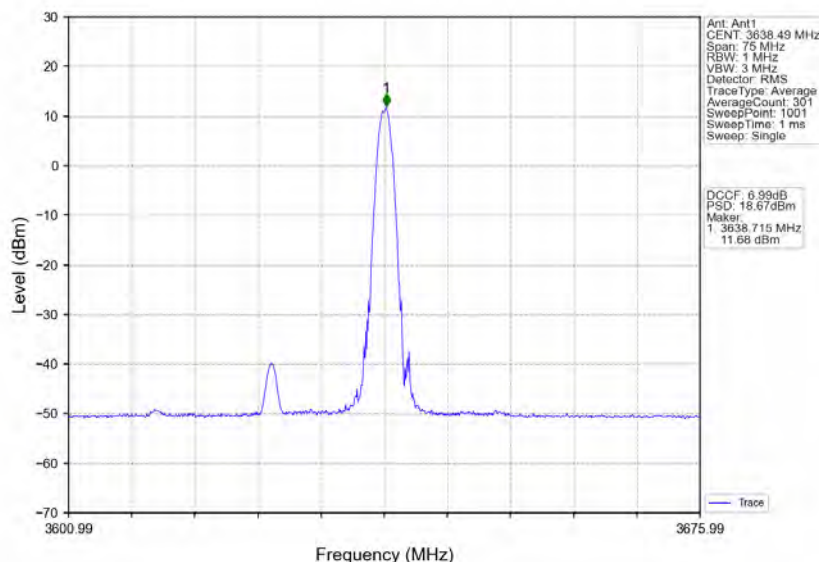
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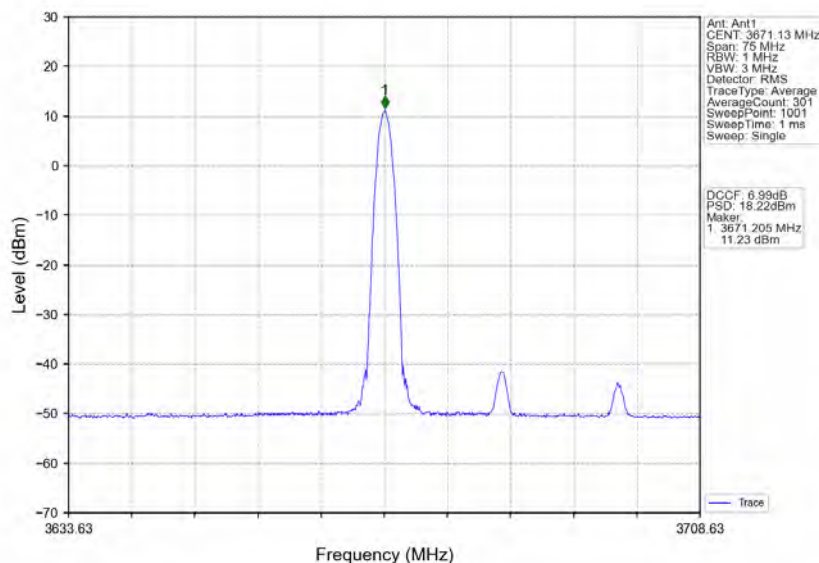
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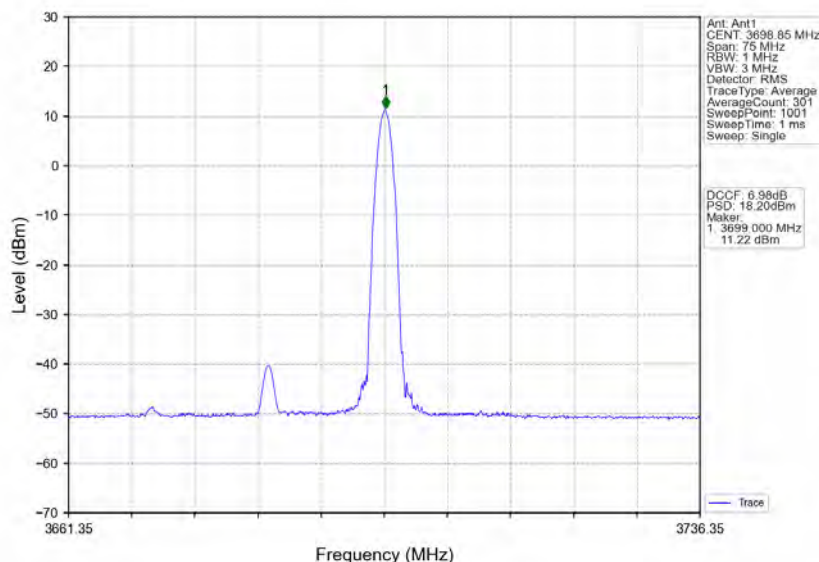
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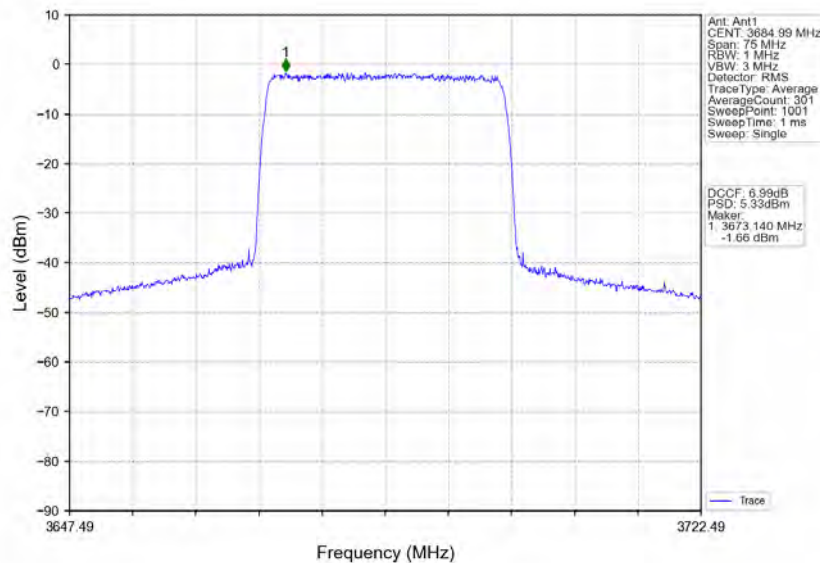
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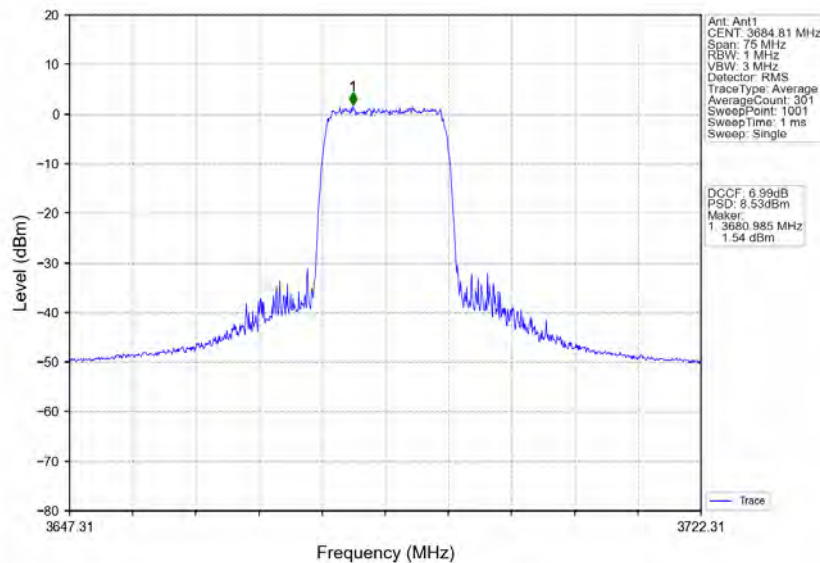
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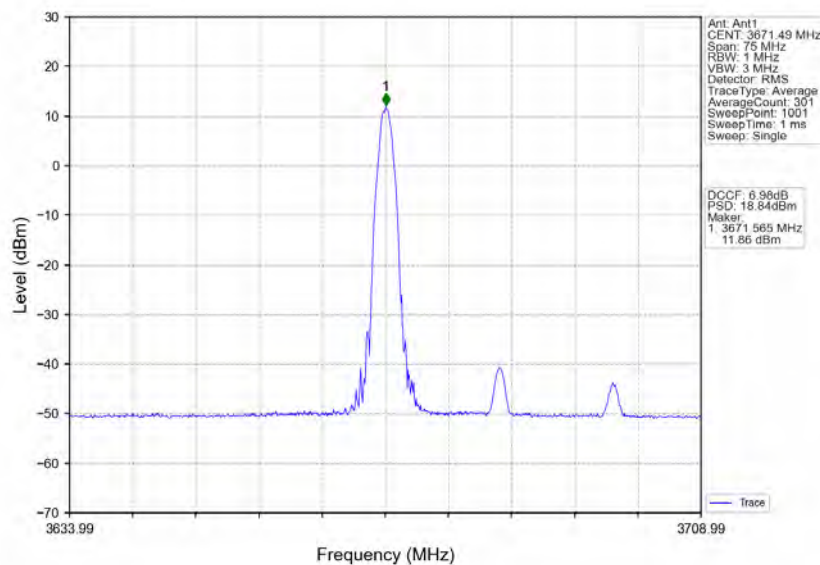
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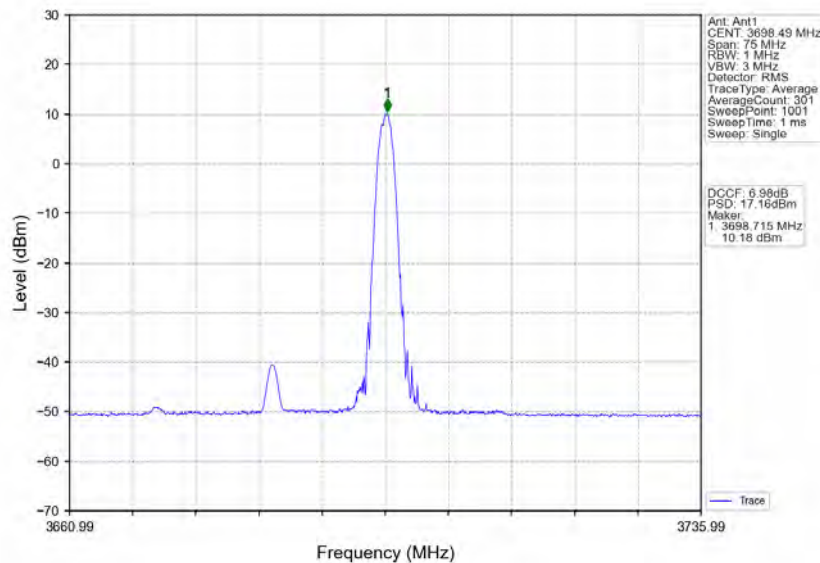
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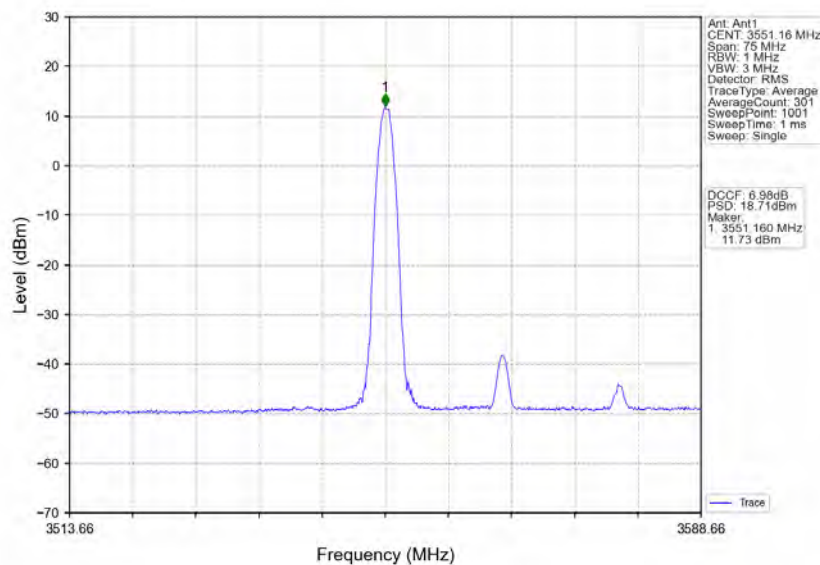
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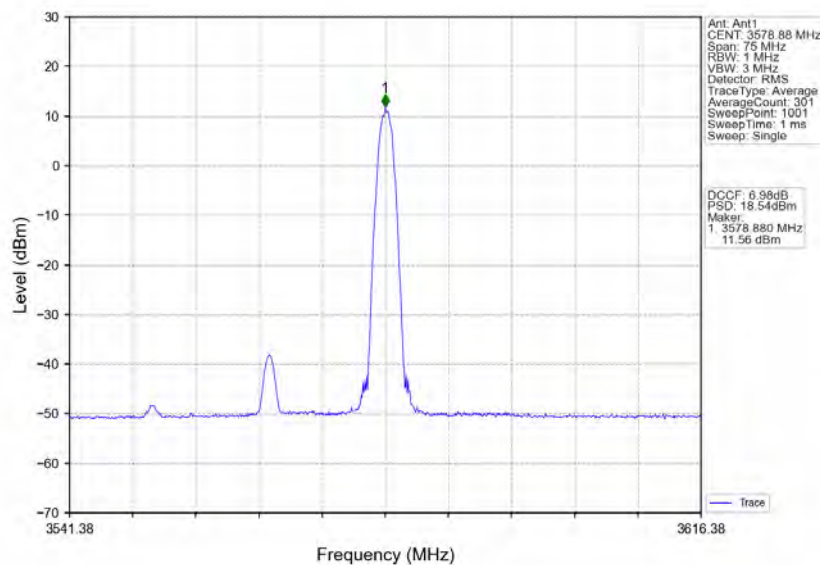
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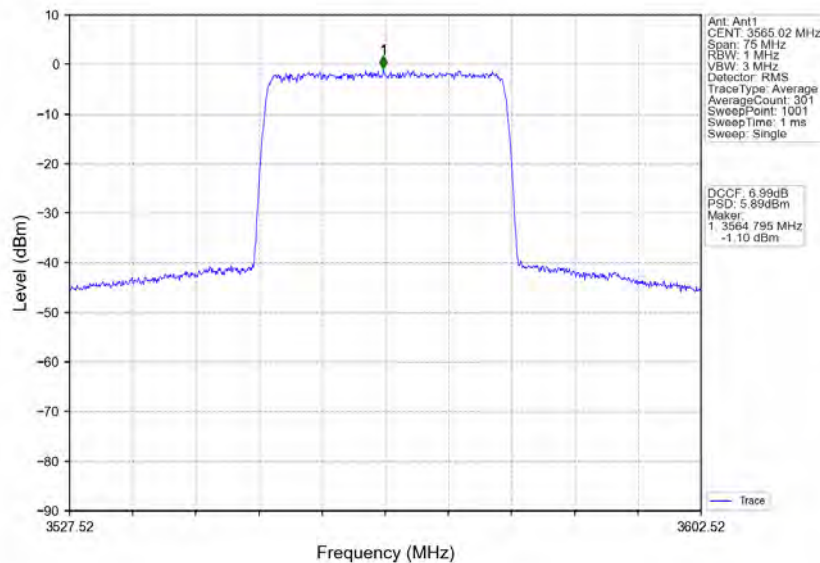
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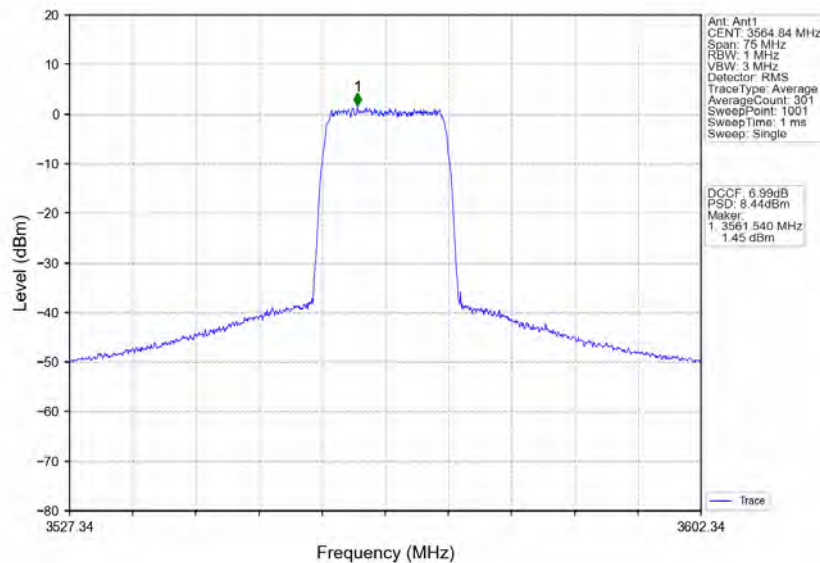
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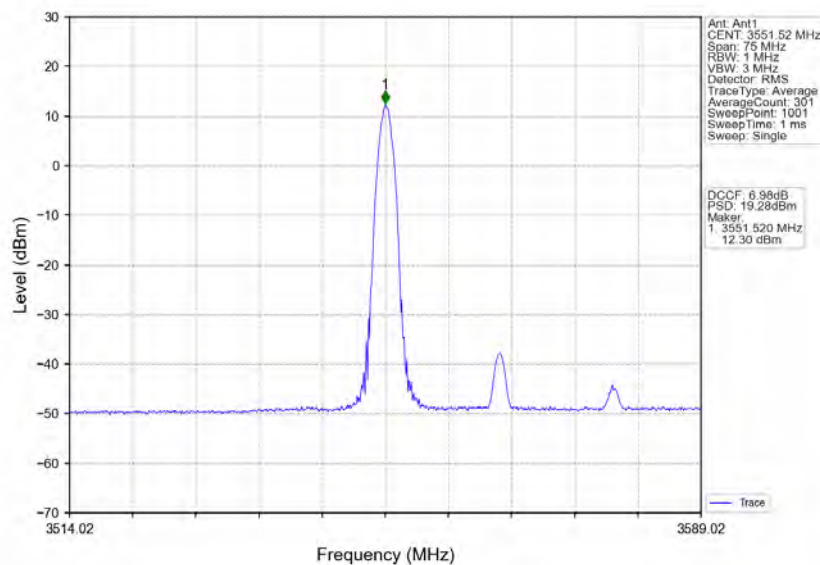
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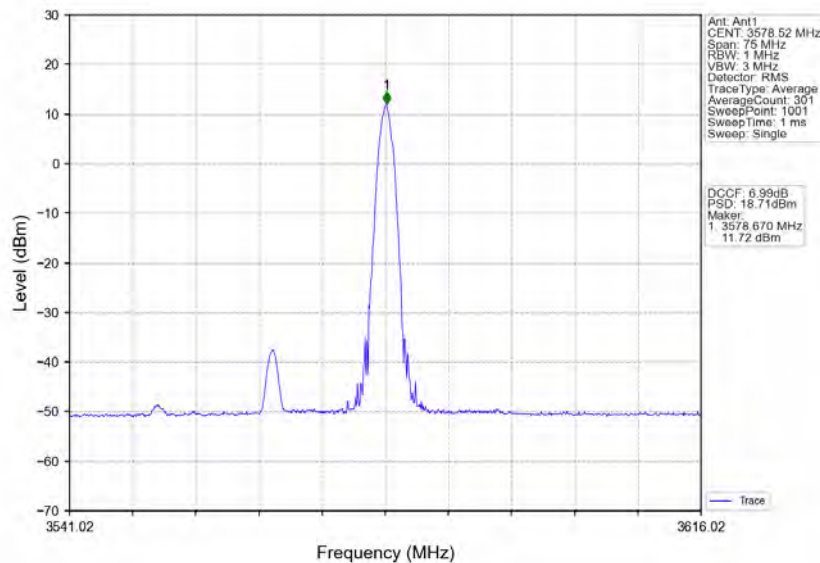
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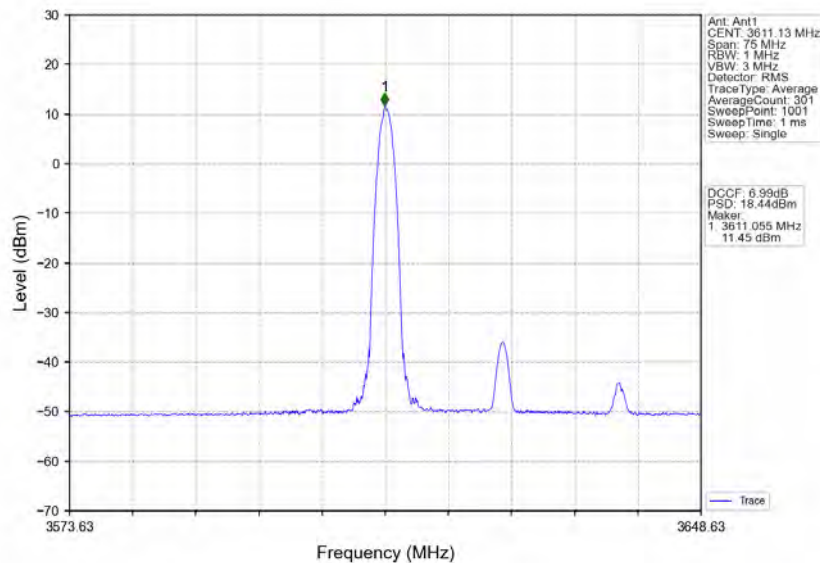
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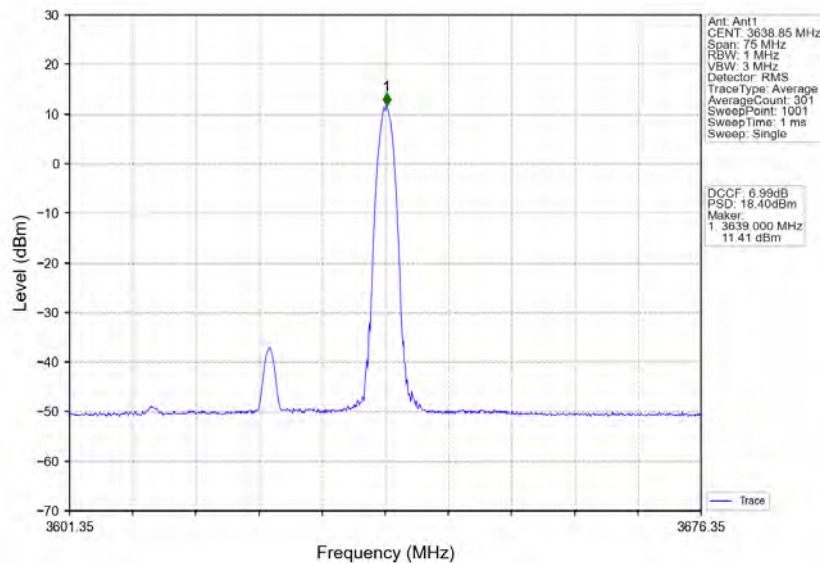
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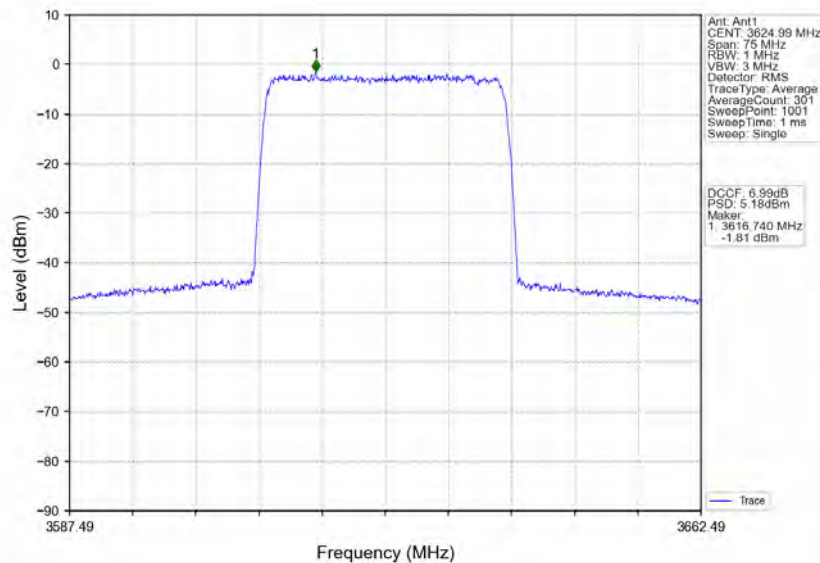
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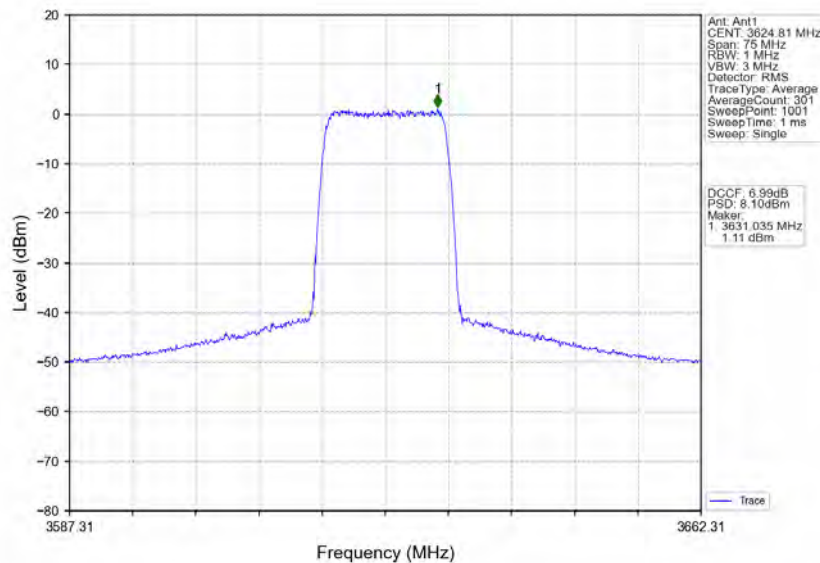
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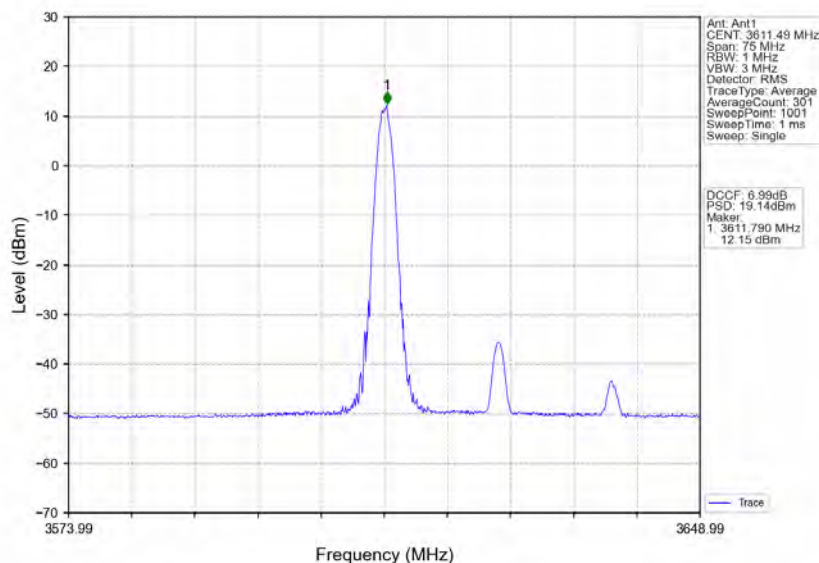
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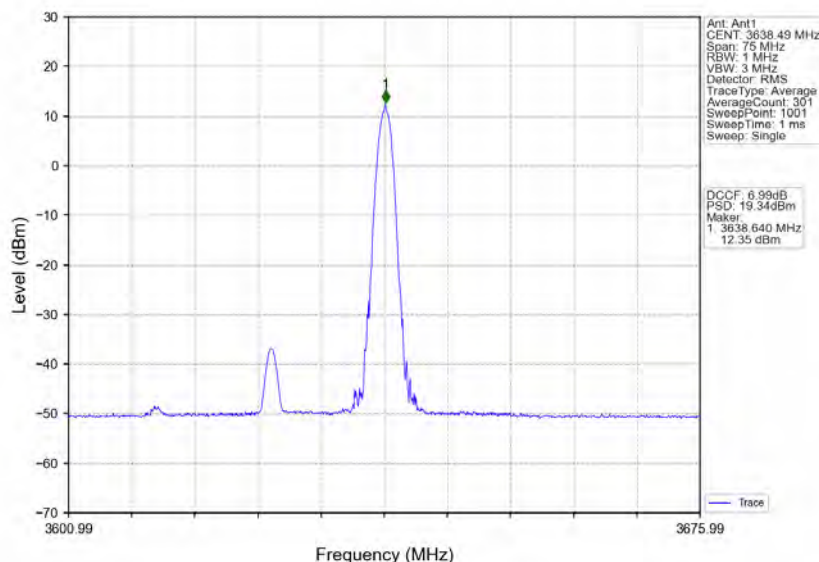
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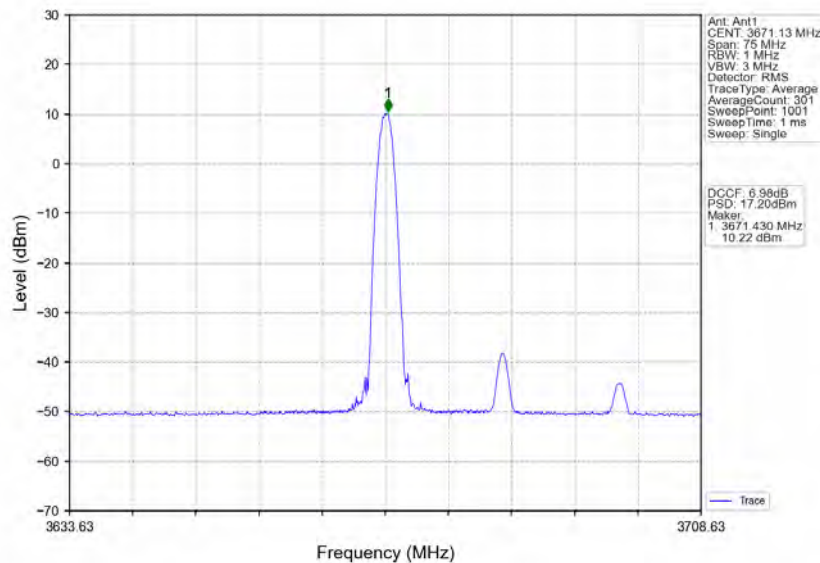
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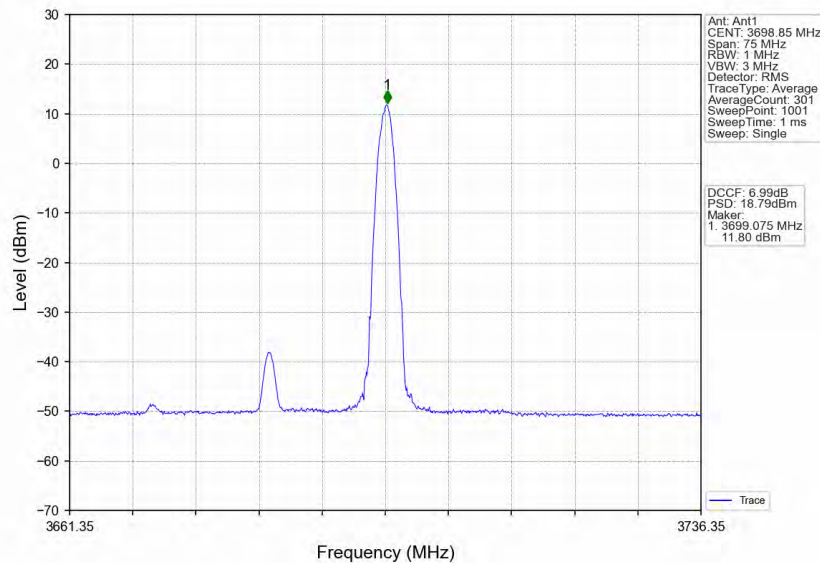
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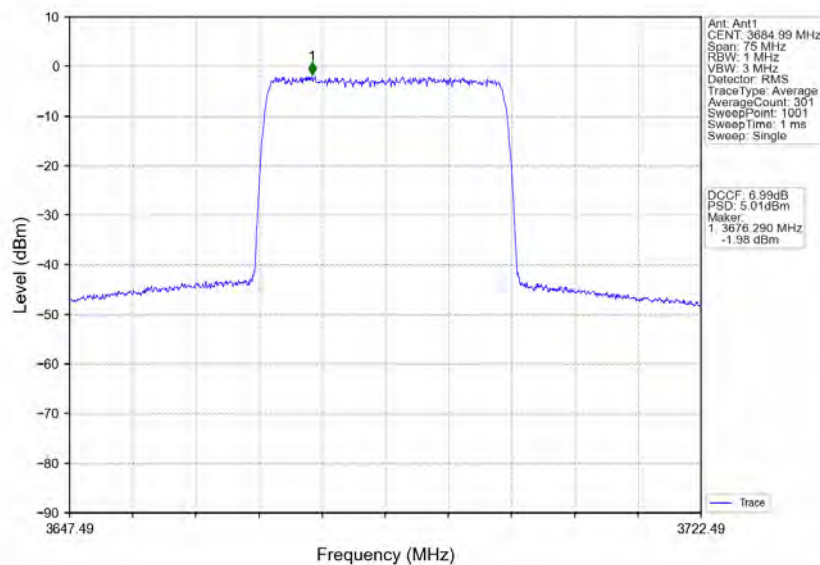
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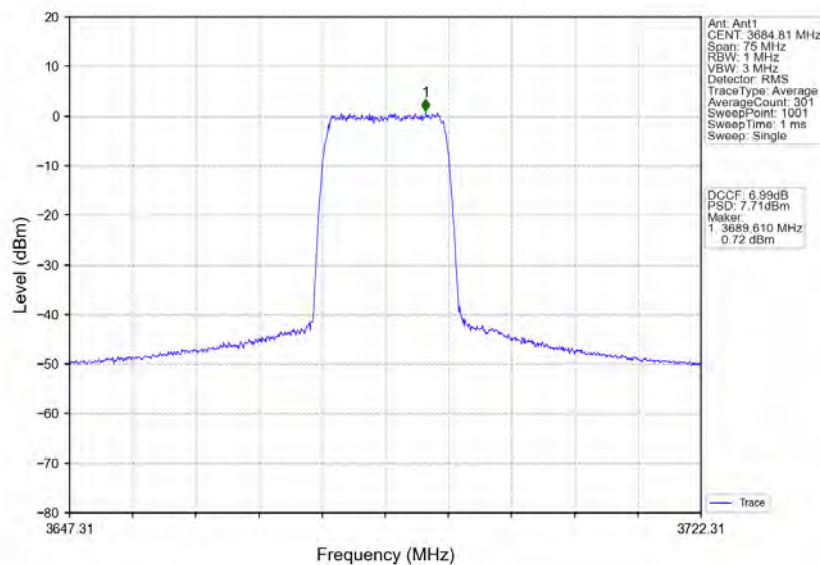
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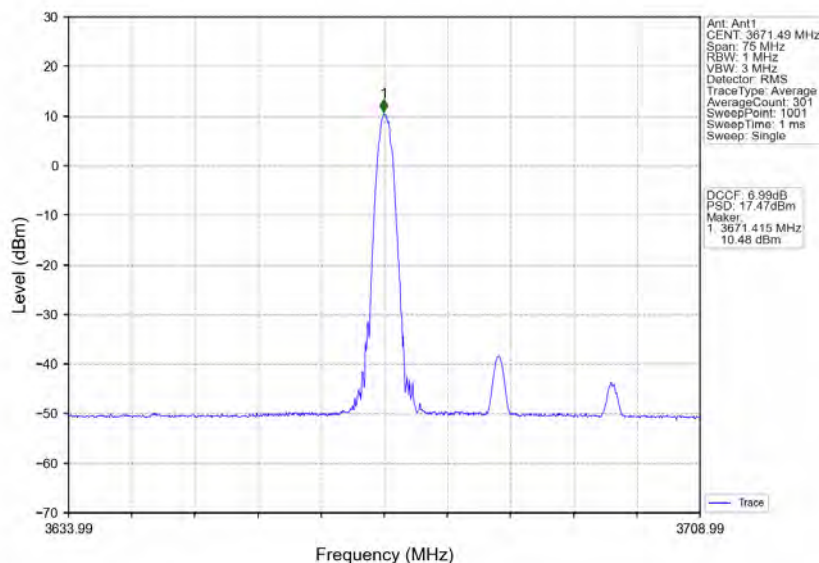
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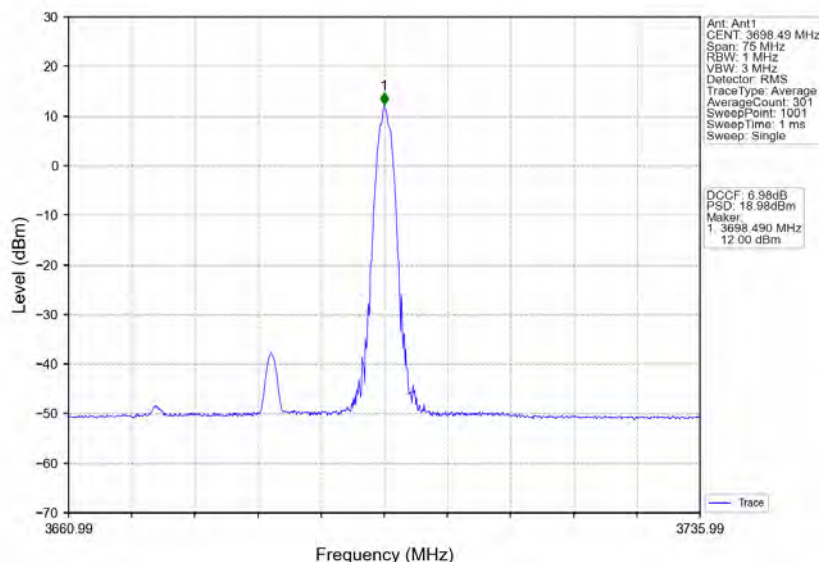
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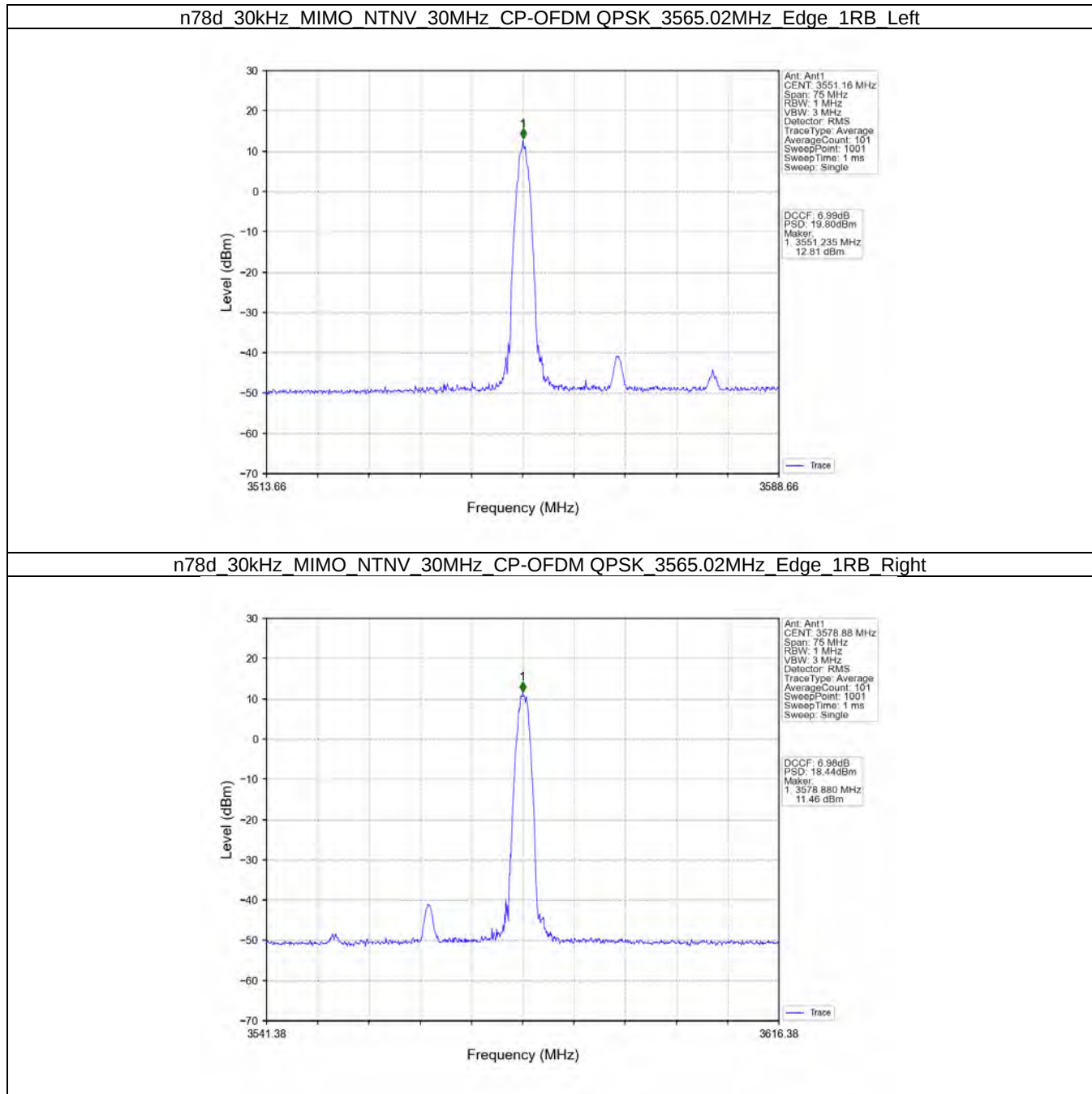
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2.12.3 Test Graph for ANT2



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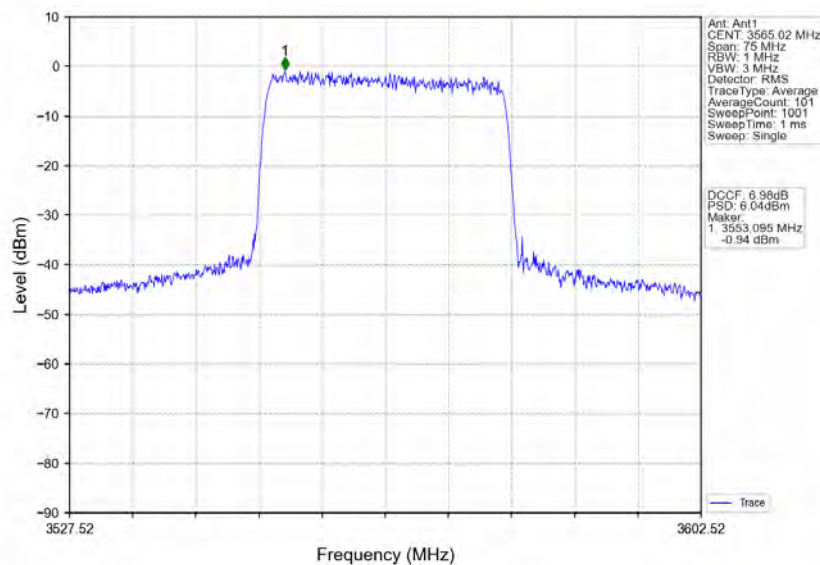
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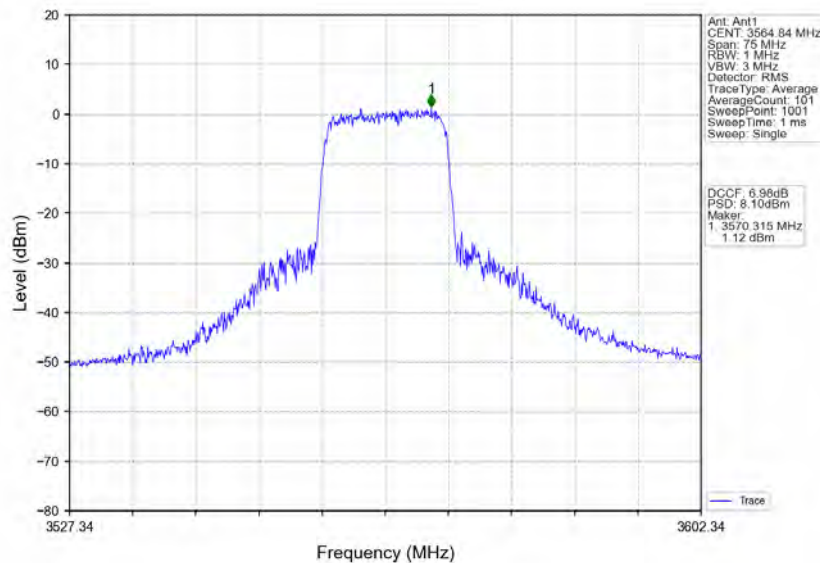
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n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3565.02MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3565.02MHz_Inner_Full



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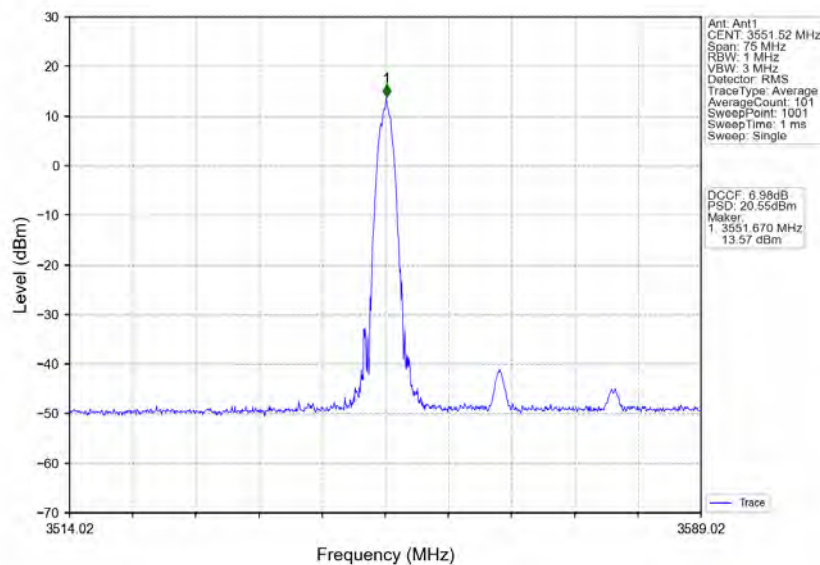
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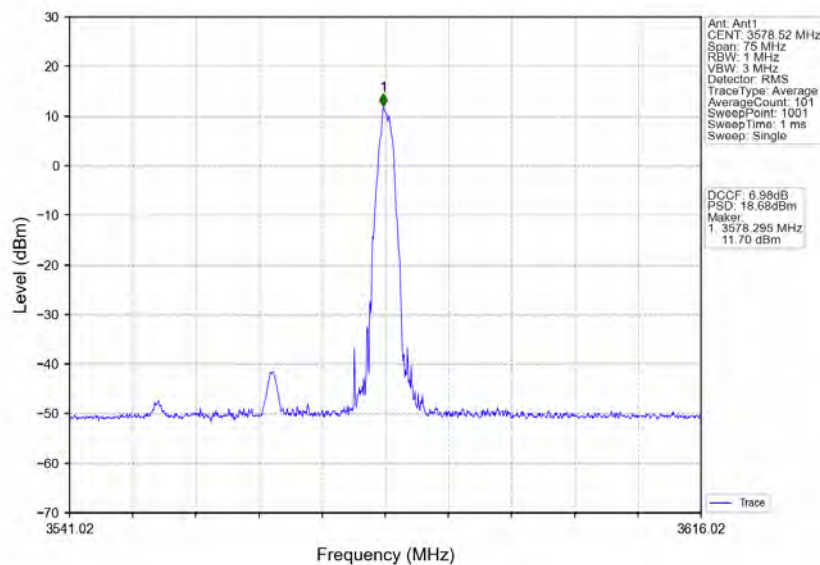
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n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3565.02MHz_Inner_1RB_Left



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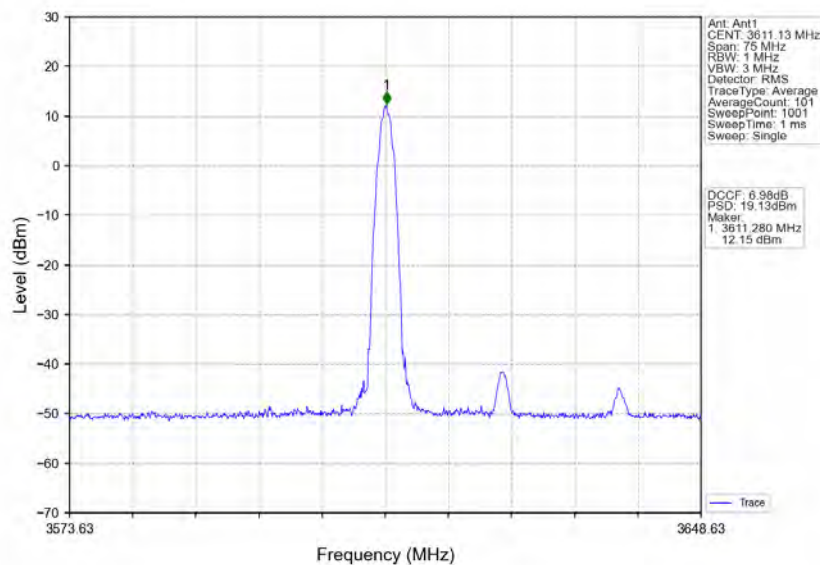
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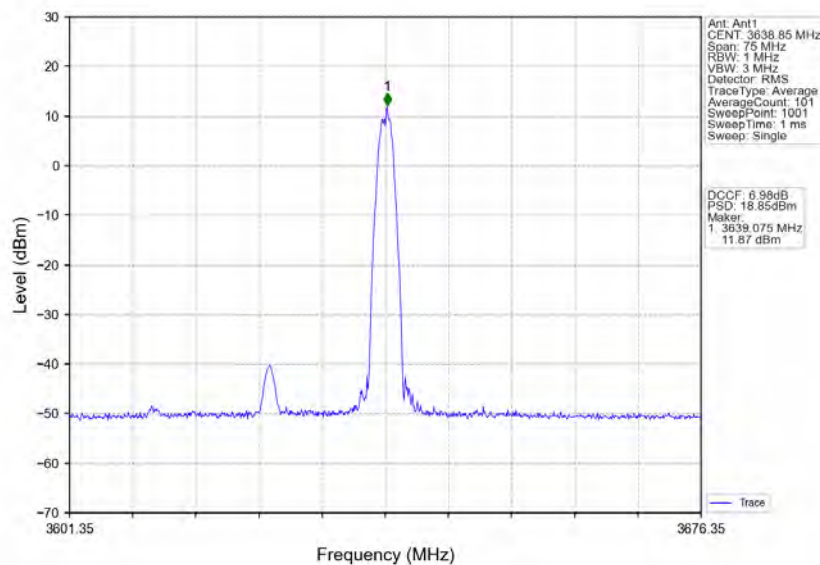
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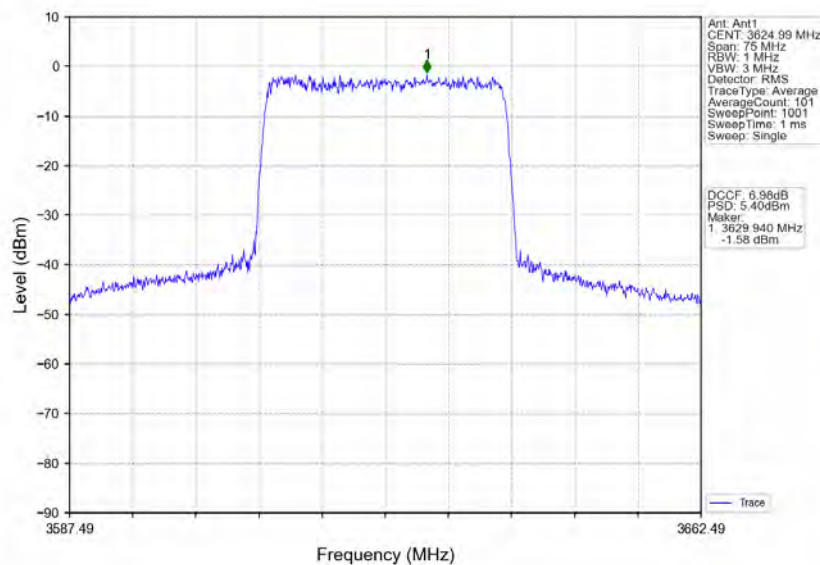
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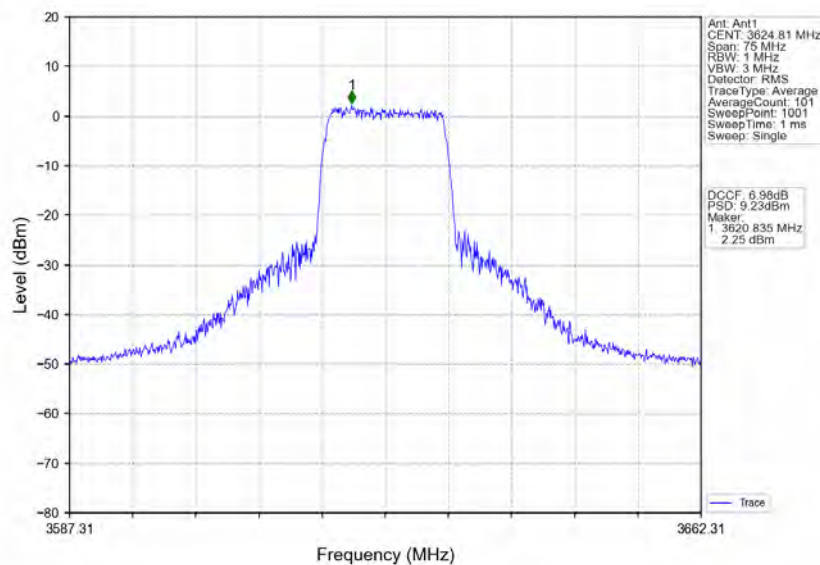
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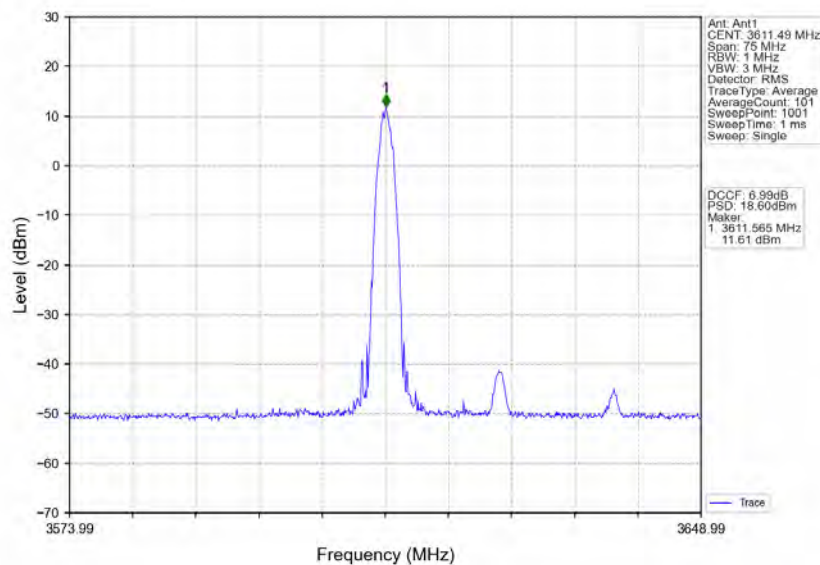
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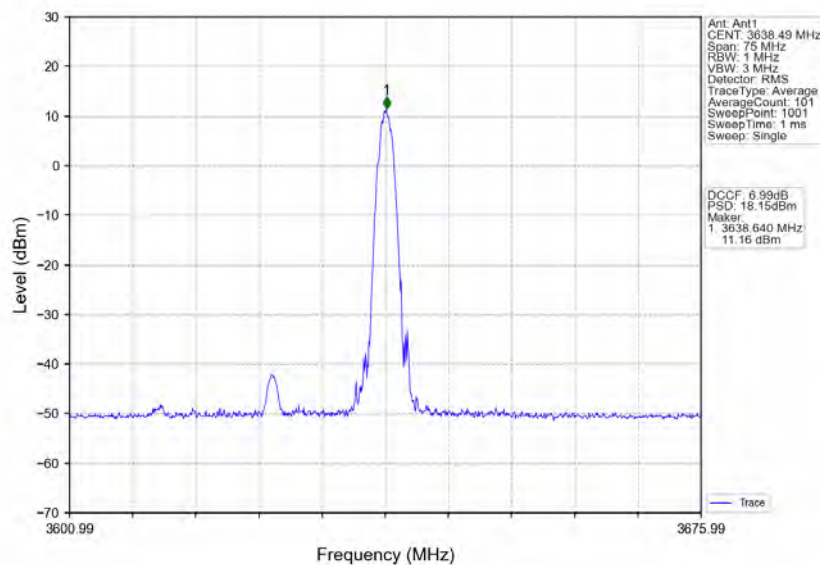
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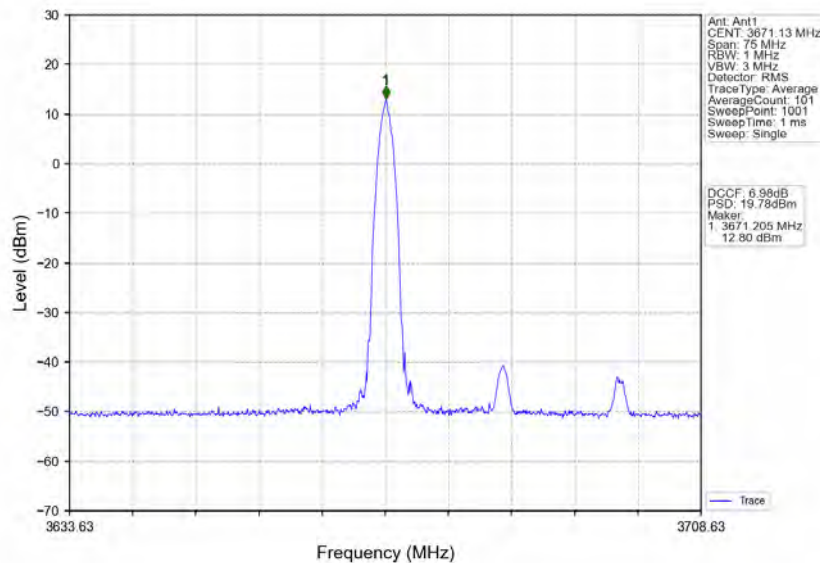
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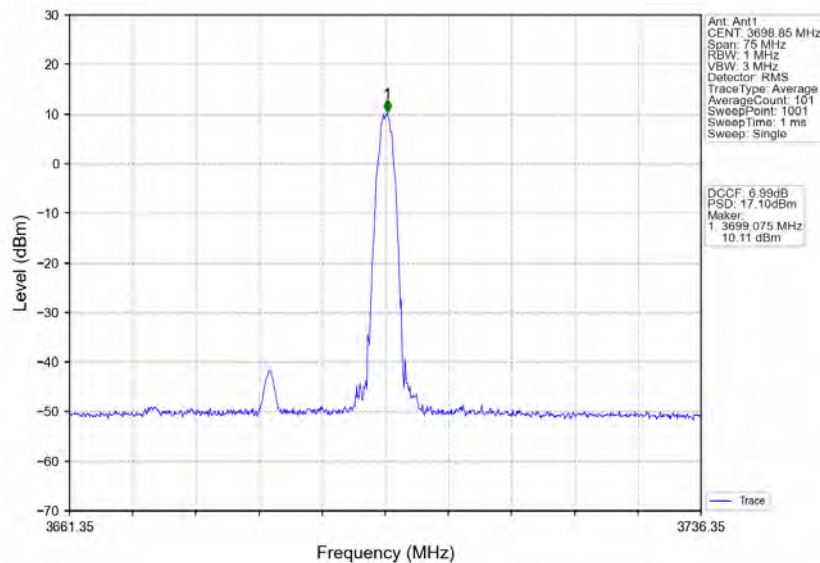
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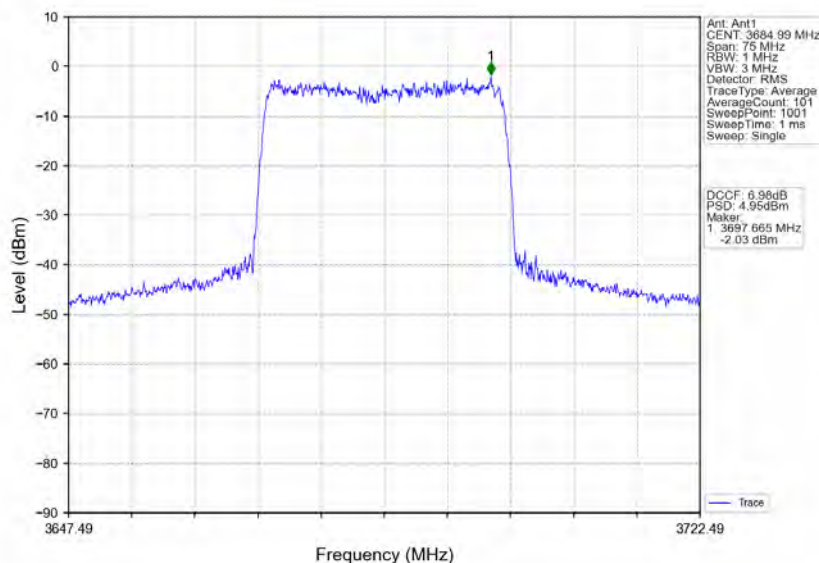
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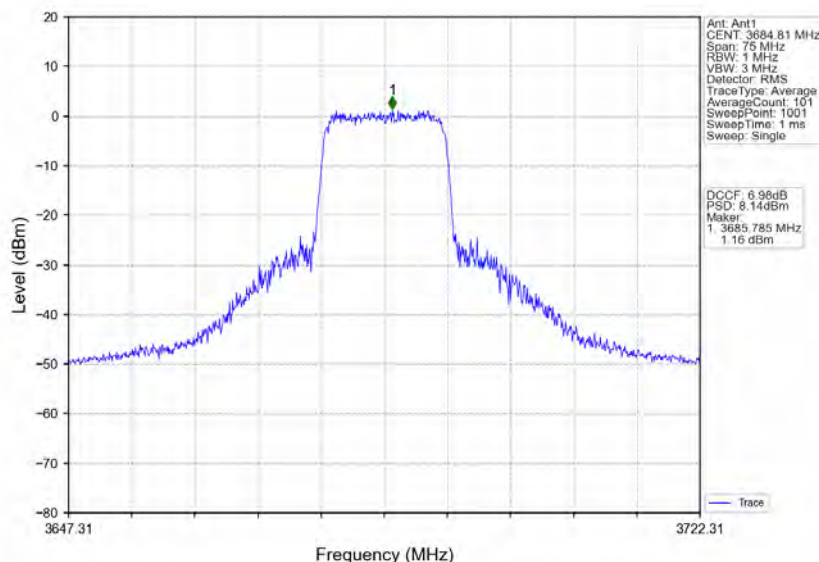
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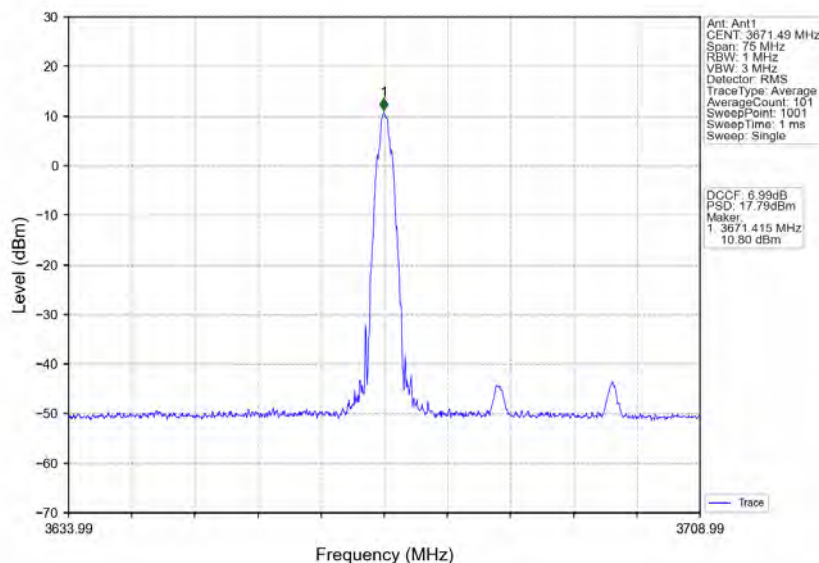
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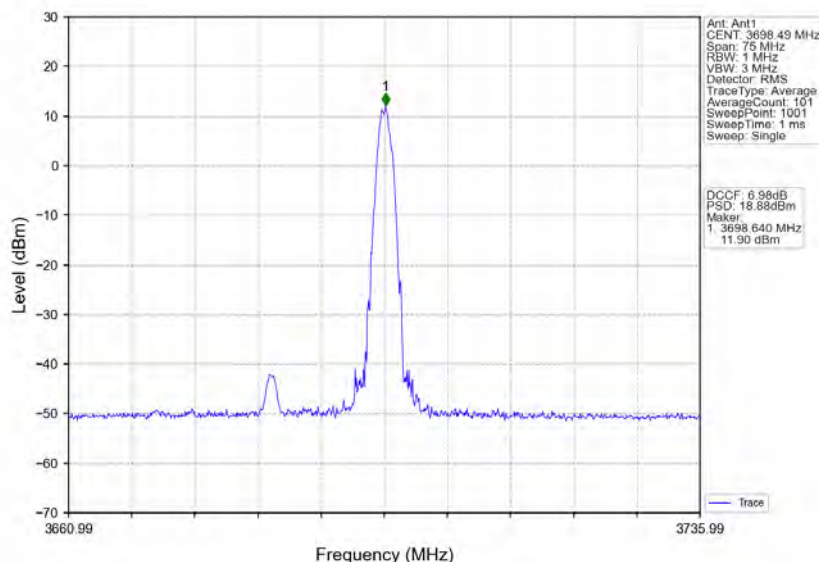
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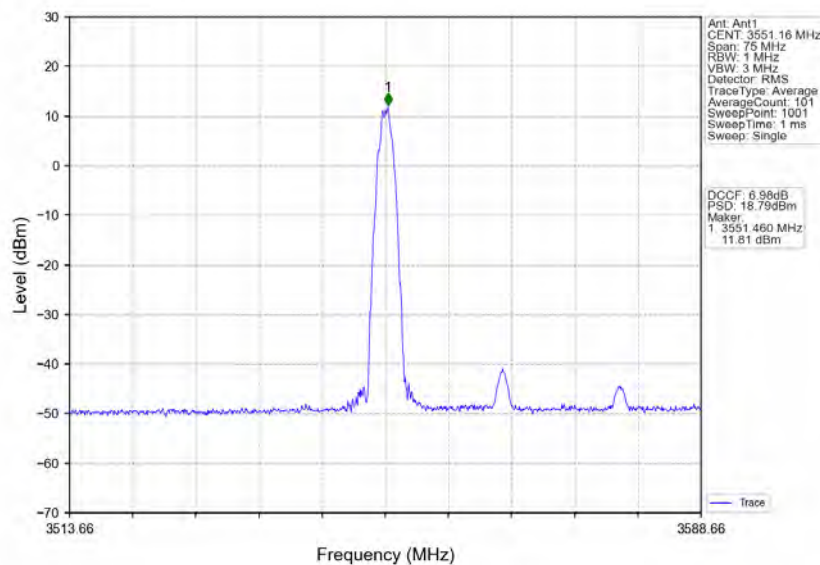
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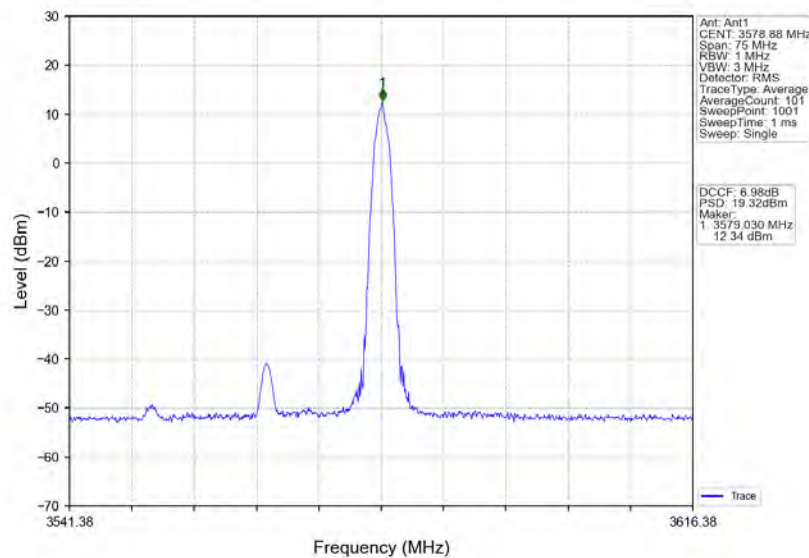
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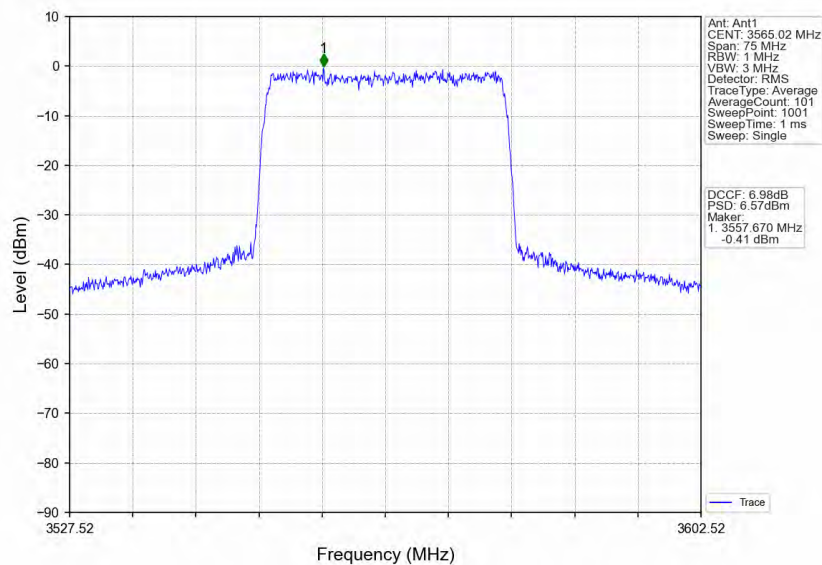
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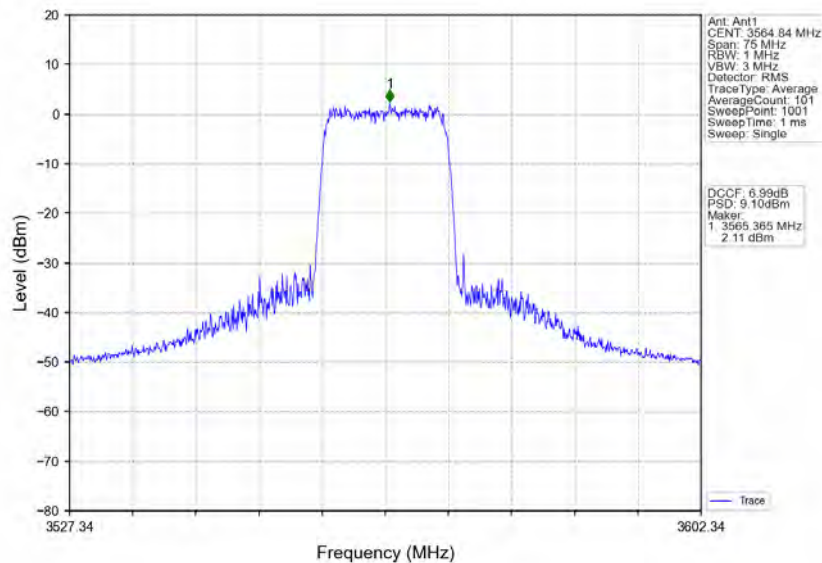
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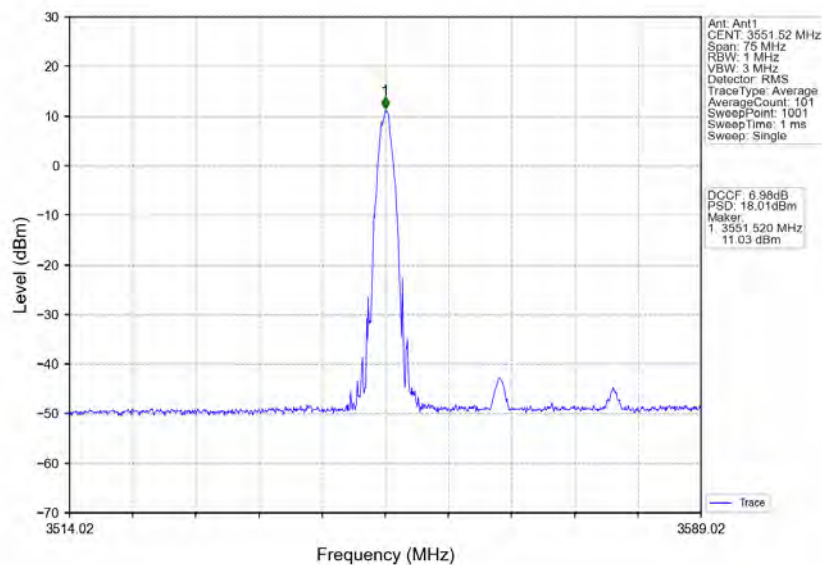
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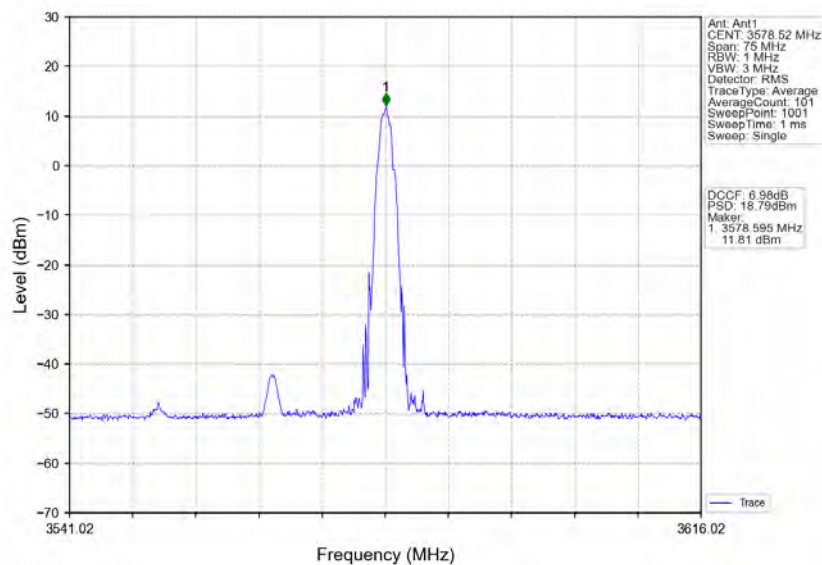
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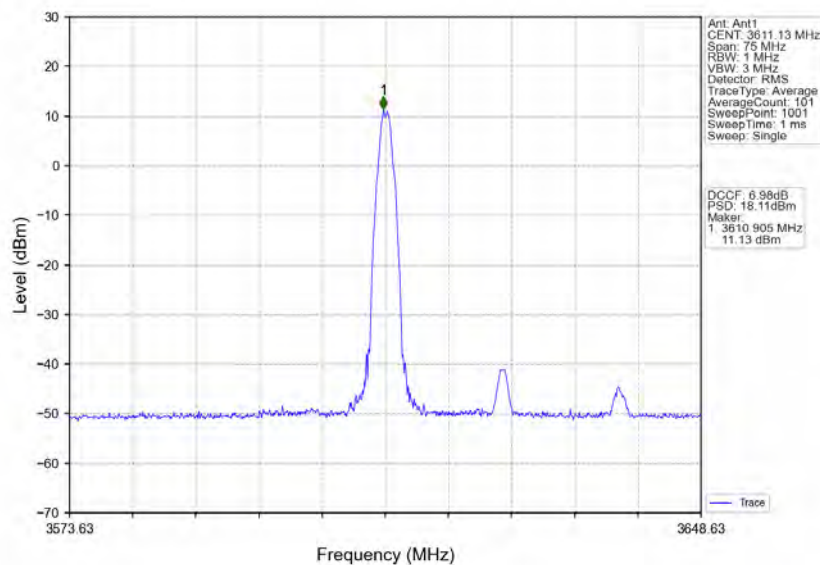
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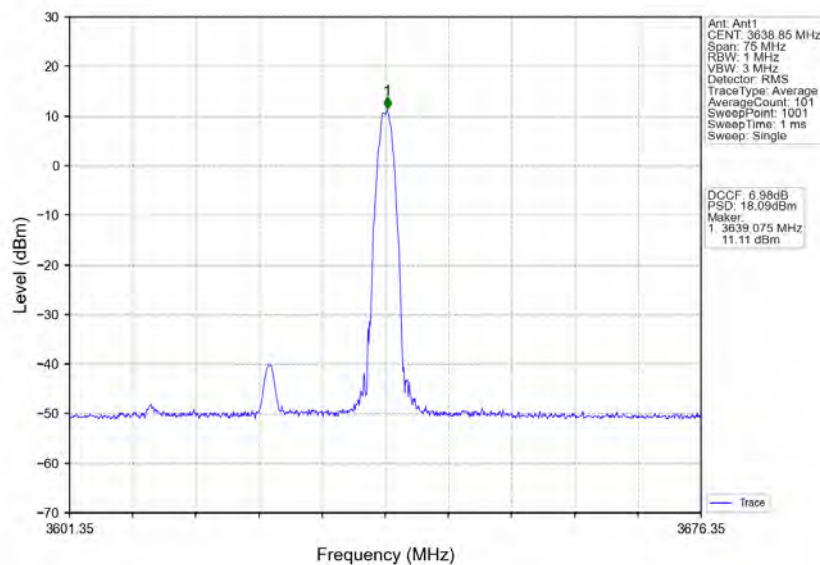
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n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM 16 QAM_3624.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM 16 QAM_3624.99MHz_Edge_1RB_Right



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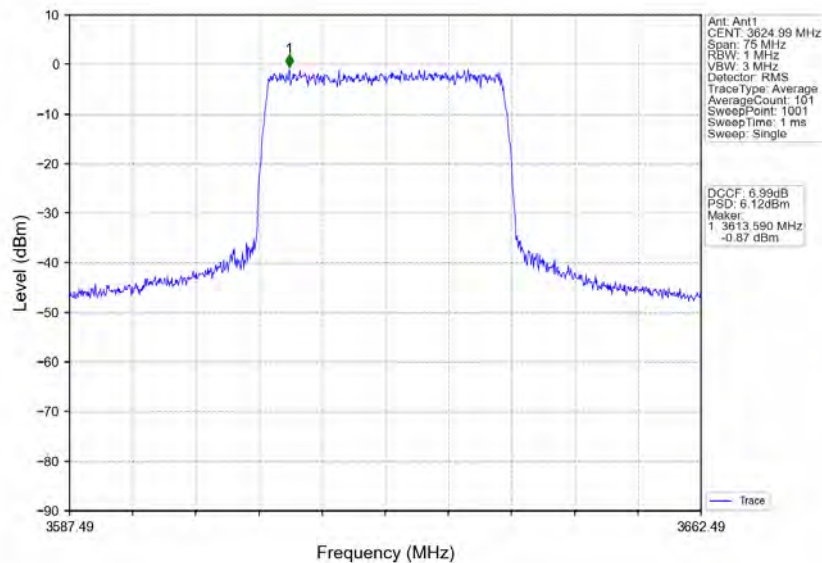
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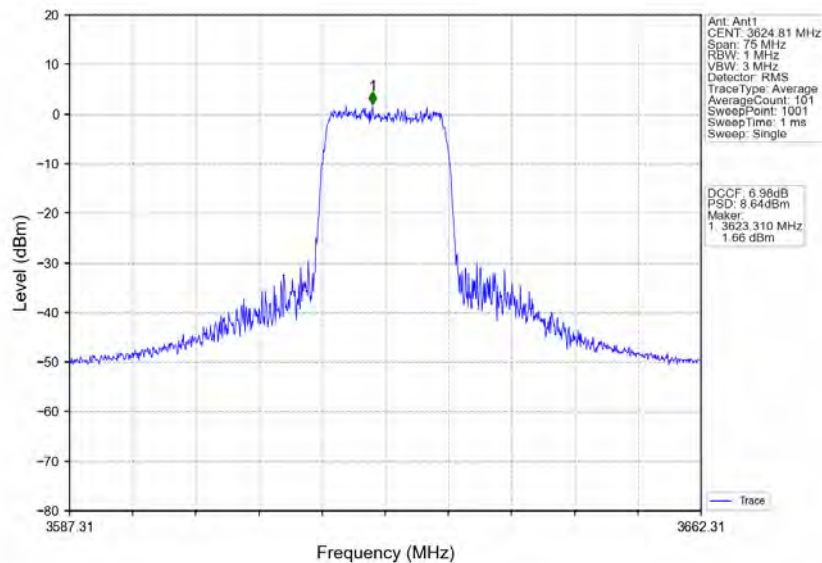
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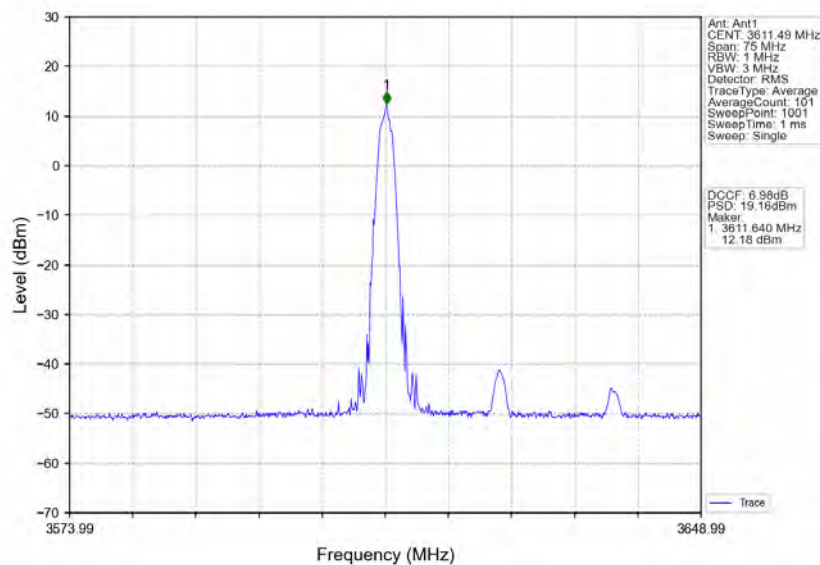
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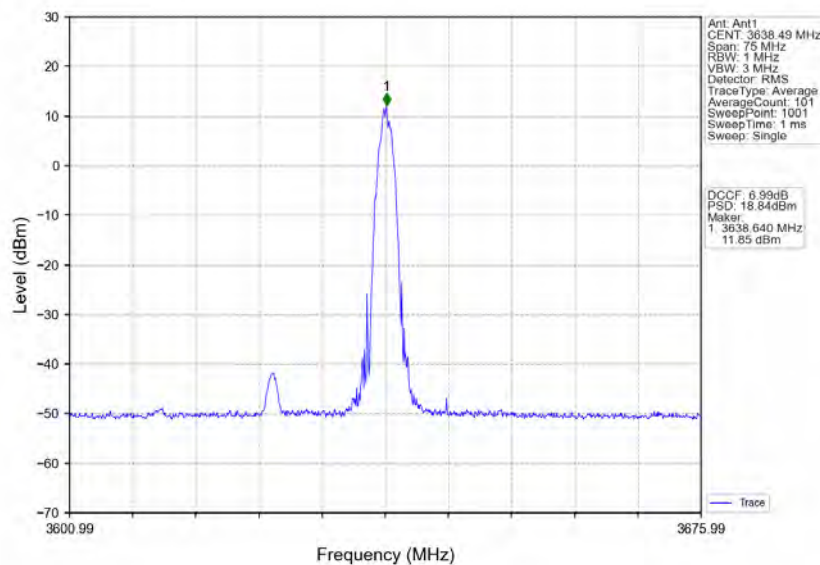
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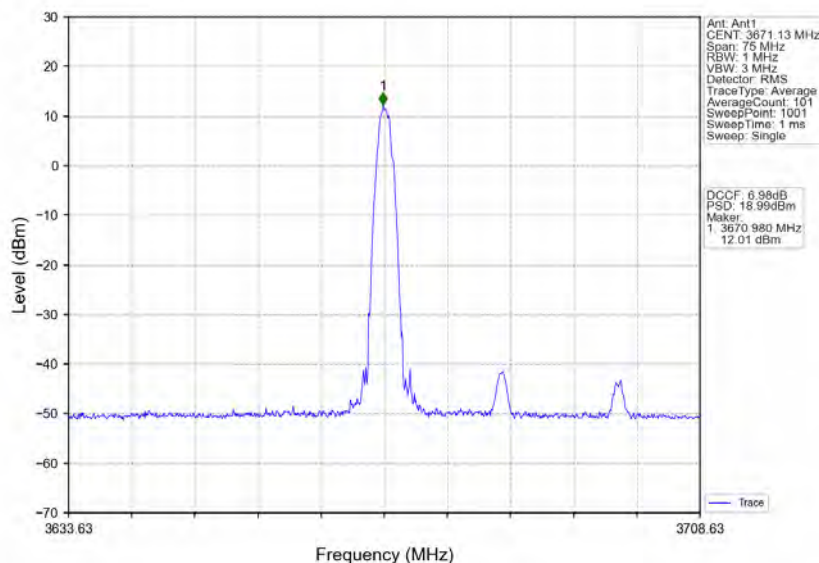
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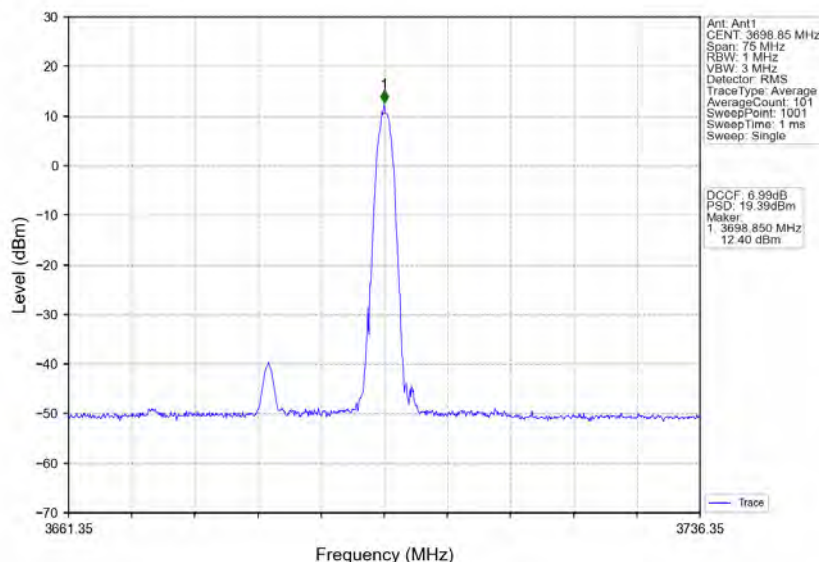
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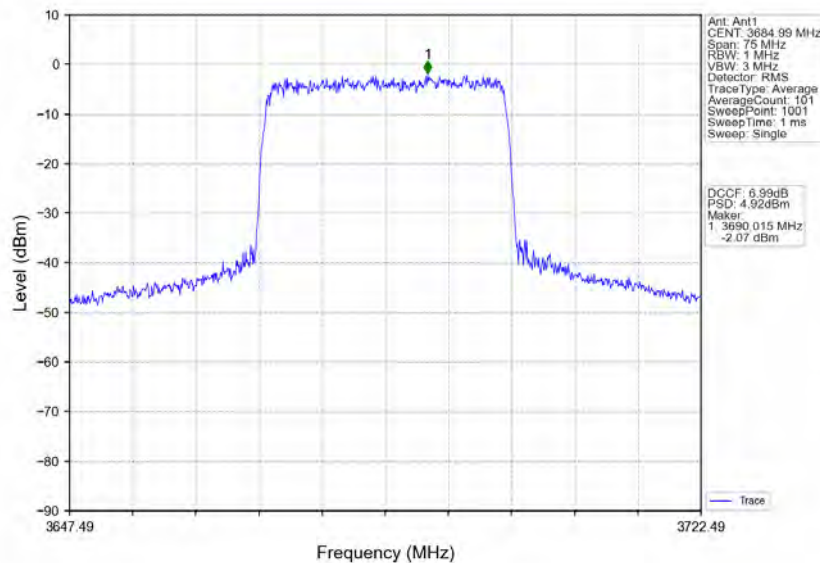
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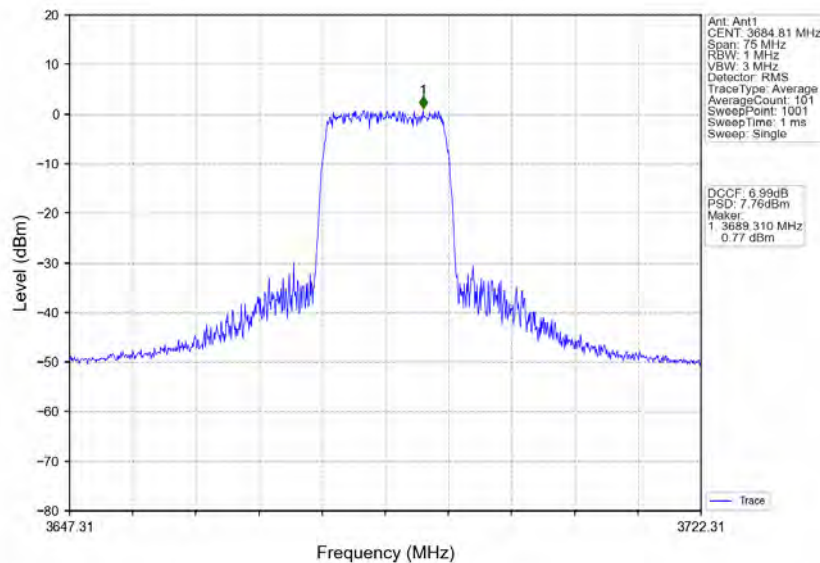
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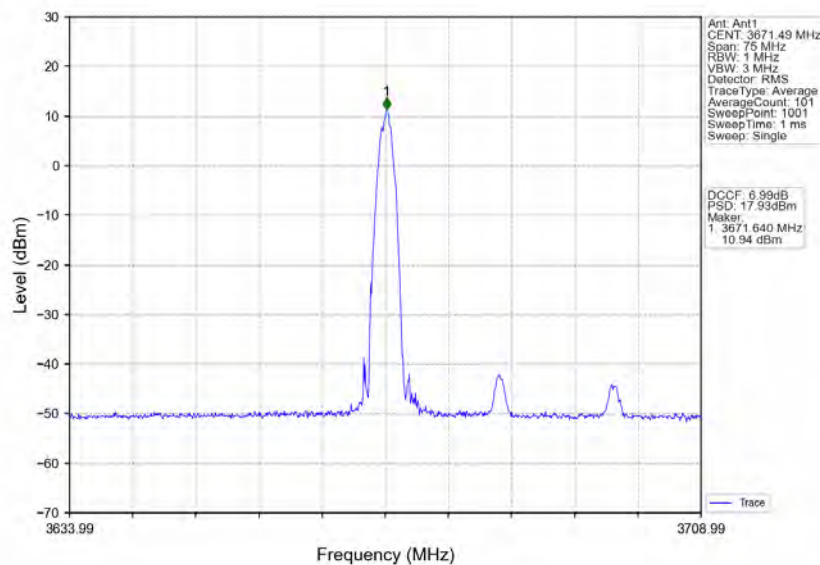
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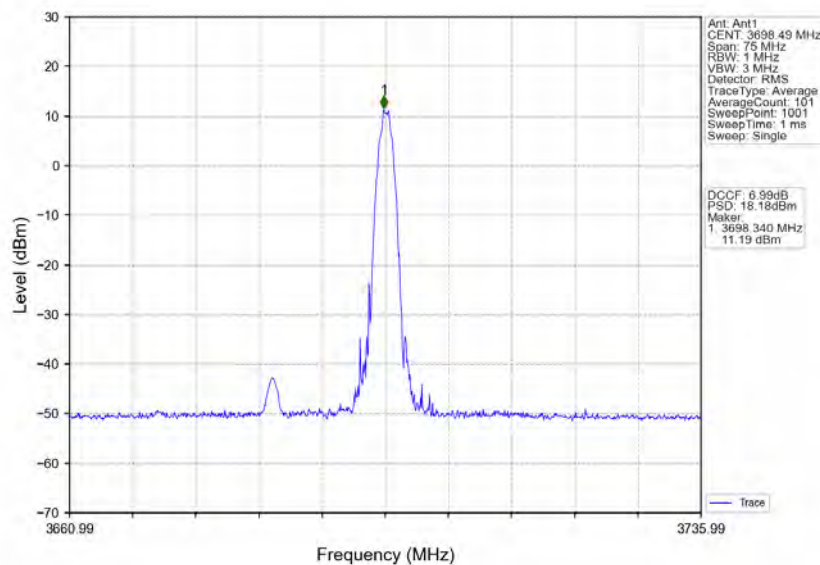
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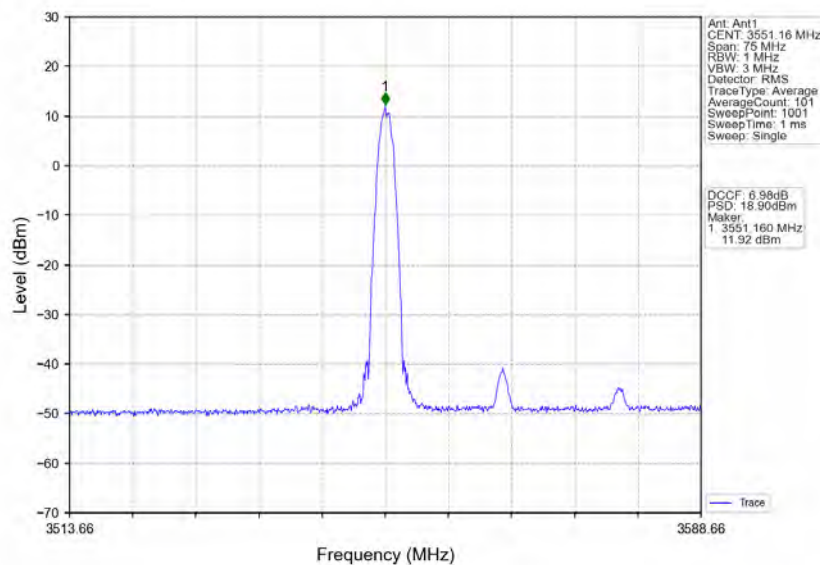
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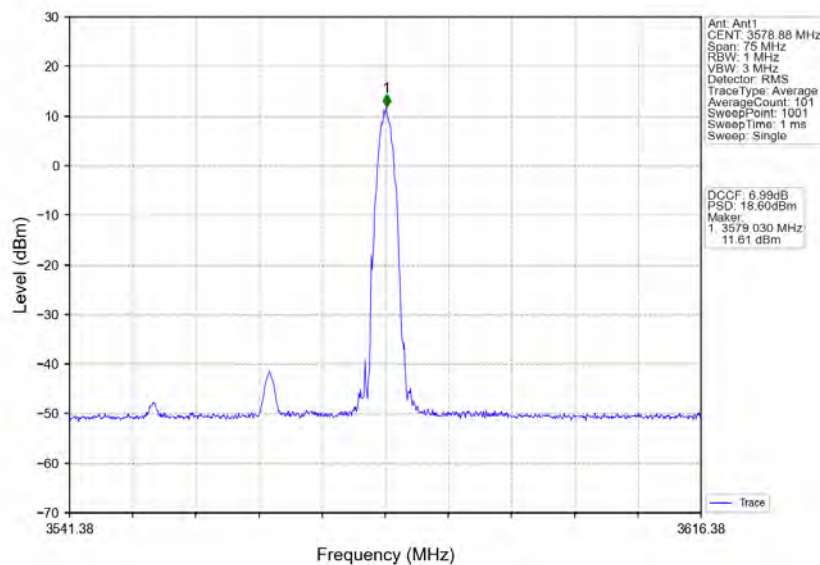
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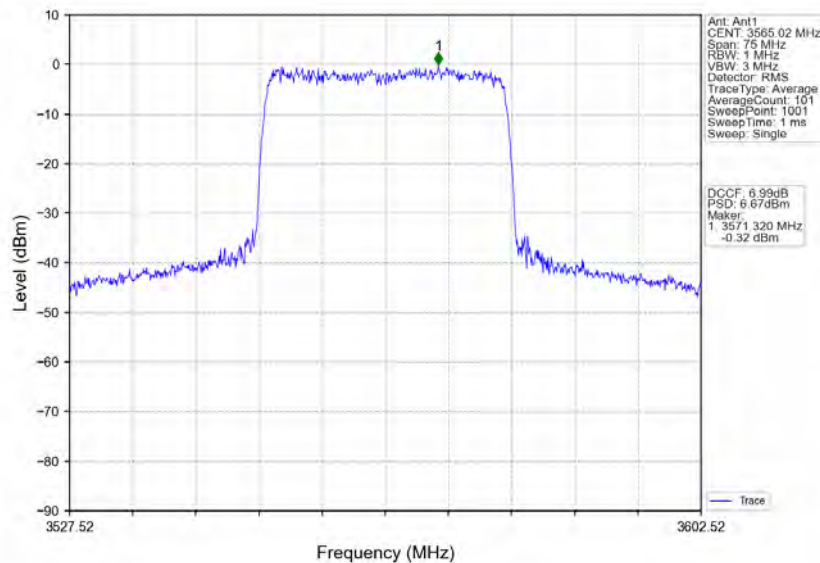
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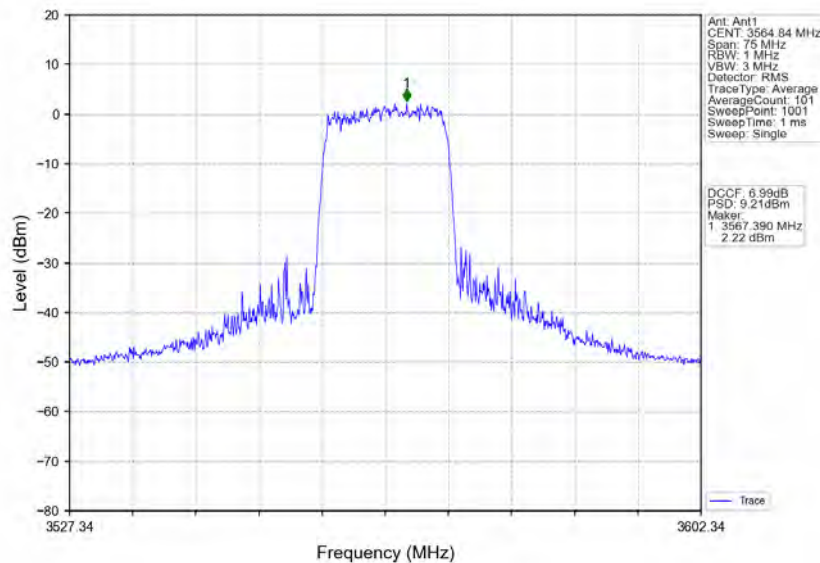
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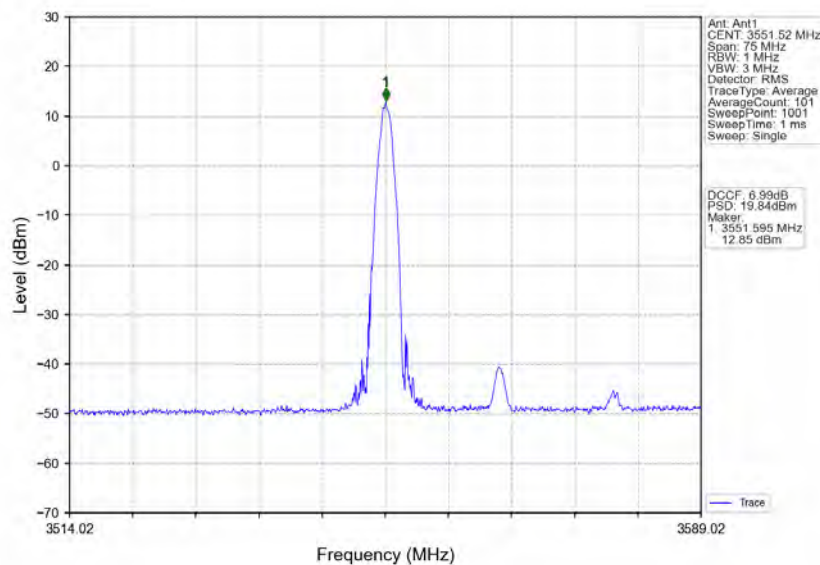
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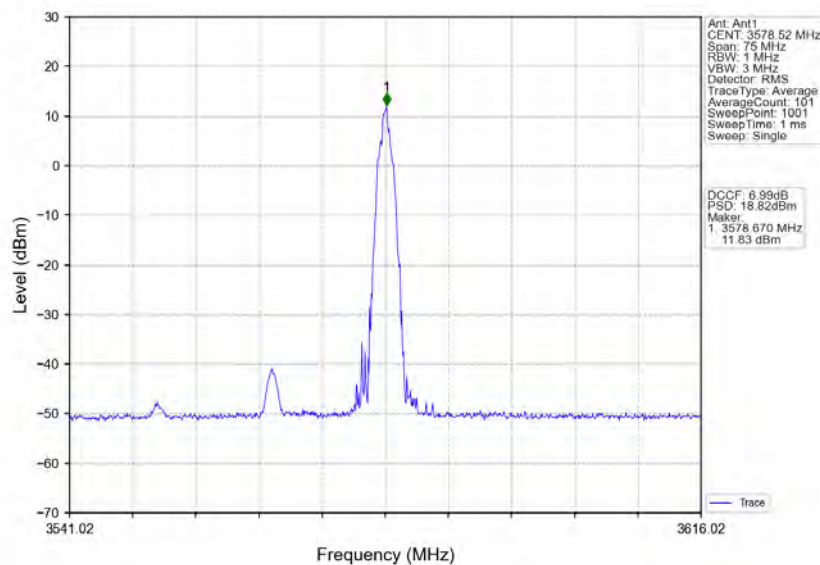
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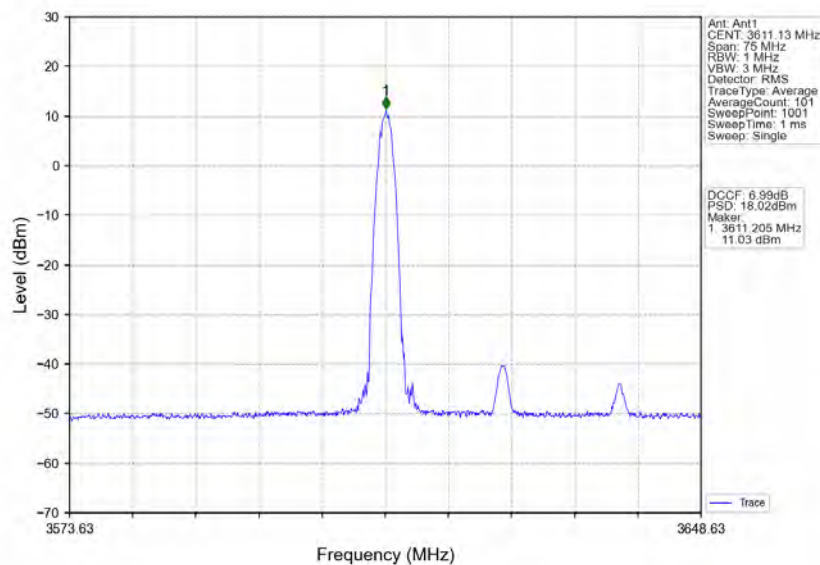
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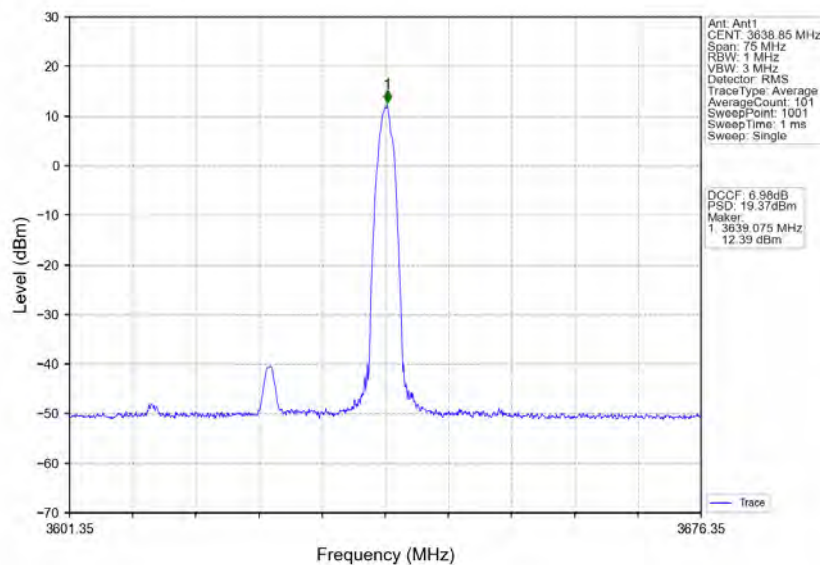
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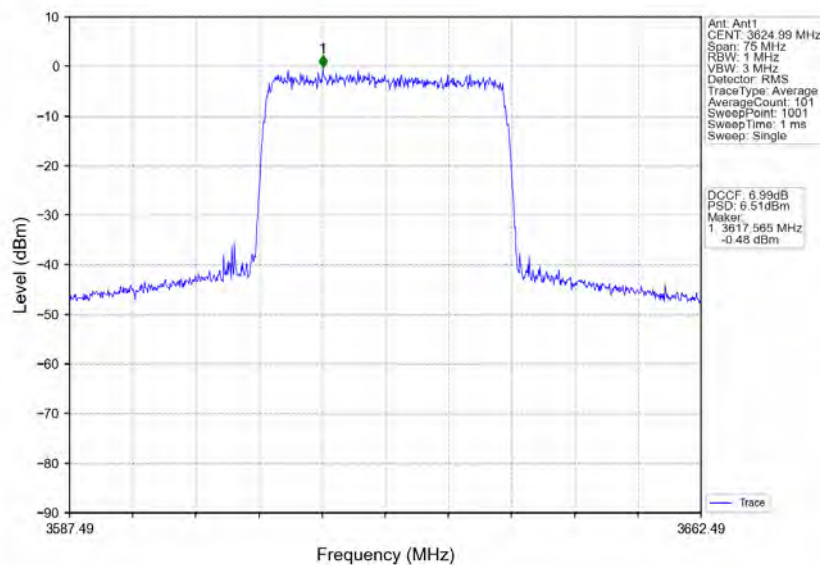
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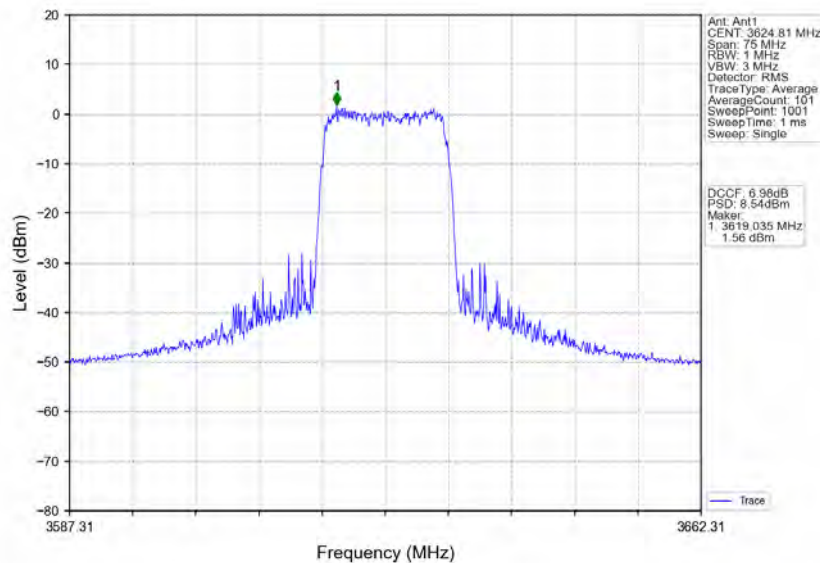
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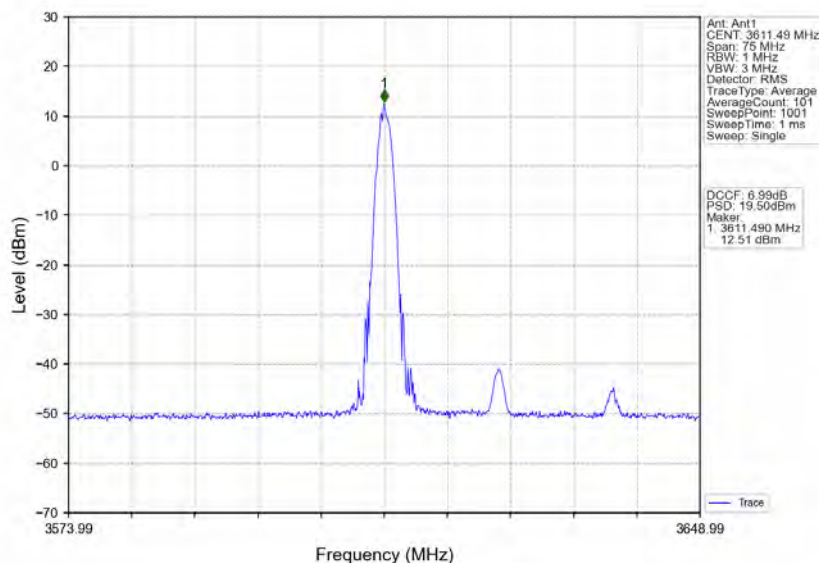
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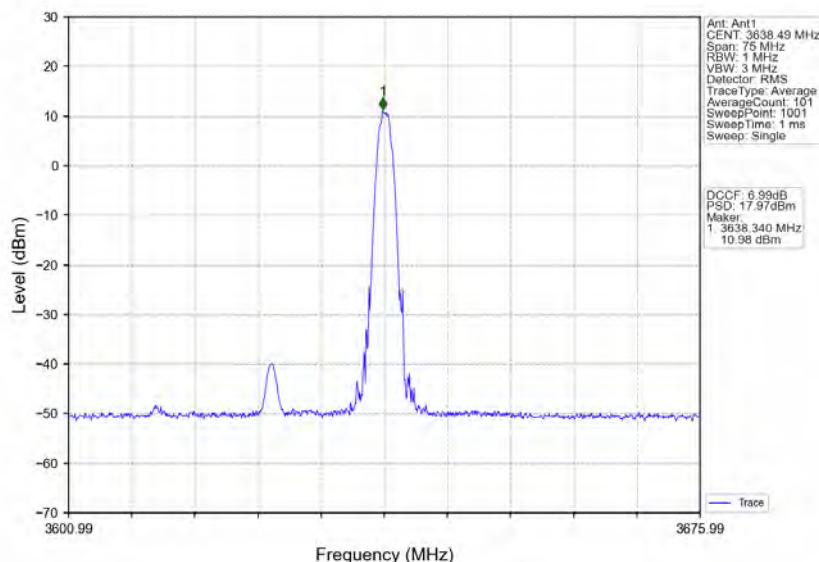
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n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM 64 QAM_3624.99MHz_Inner_1RB_Left



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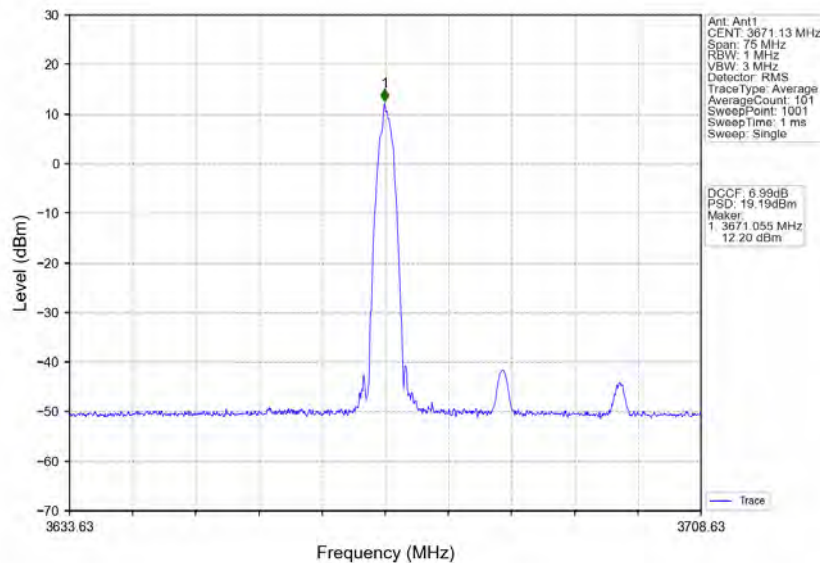
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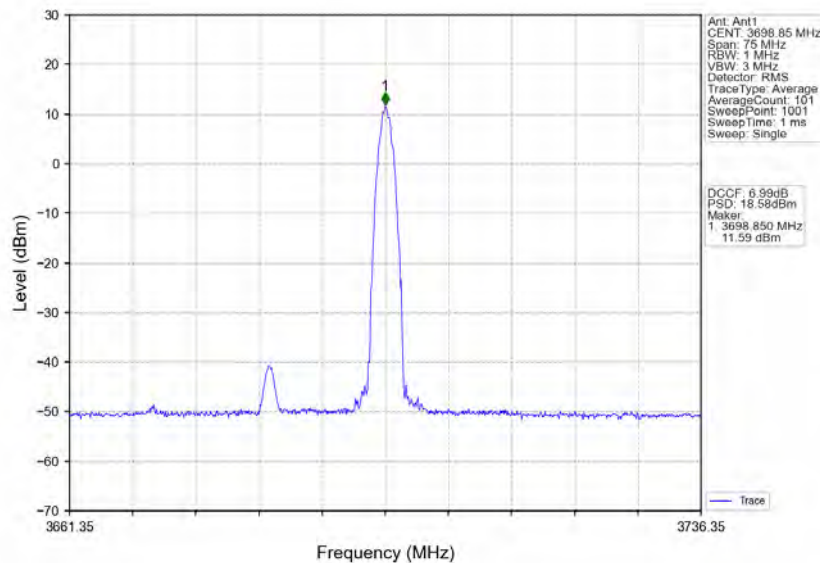
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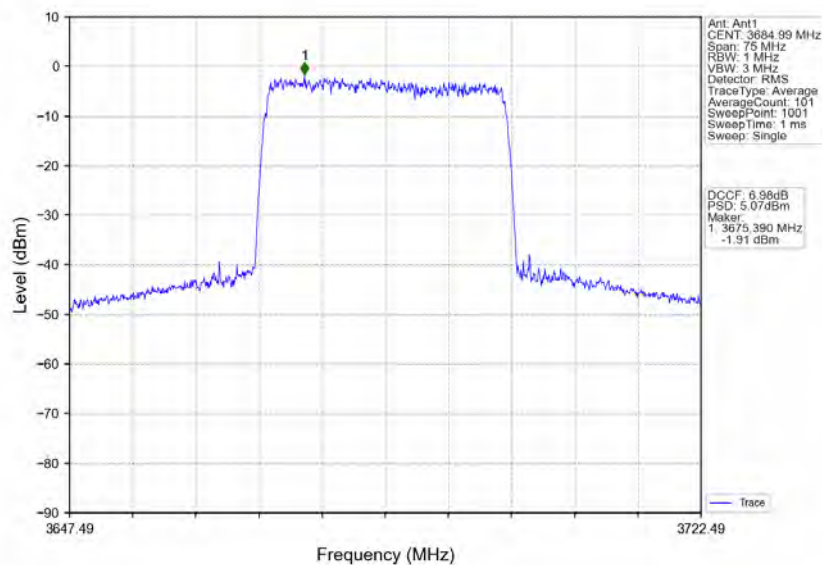
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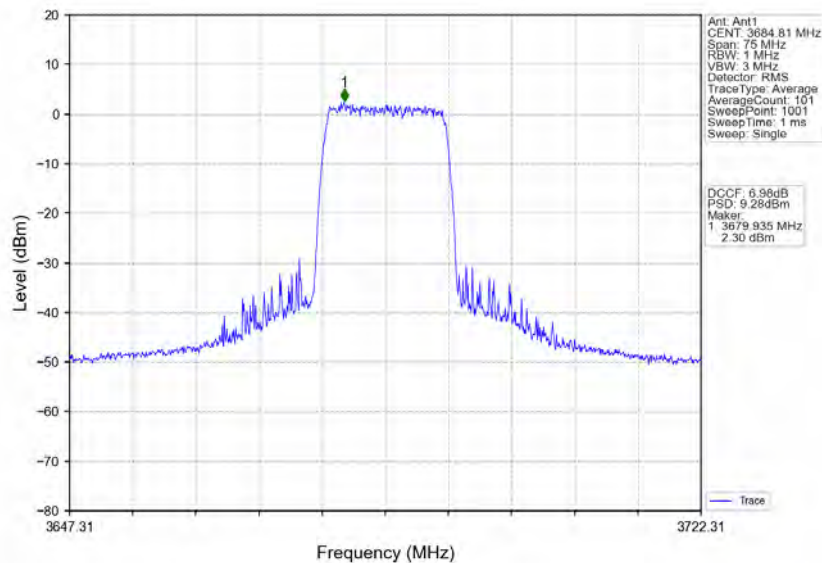
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n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM 64 QAM_3684.99MHz_Outer_Full



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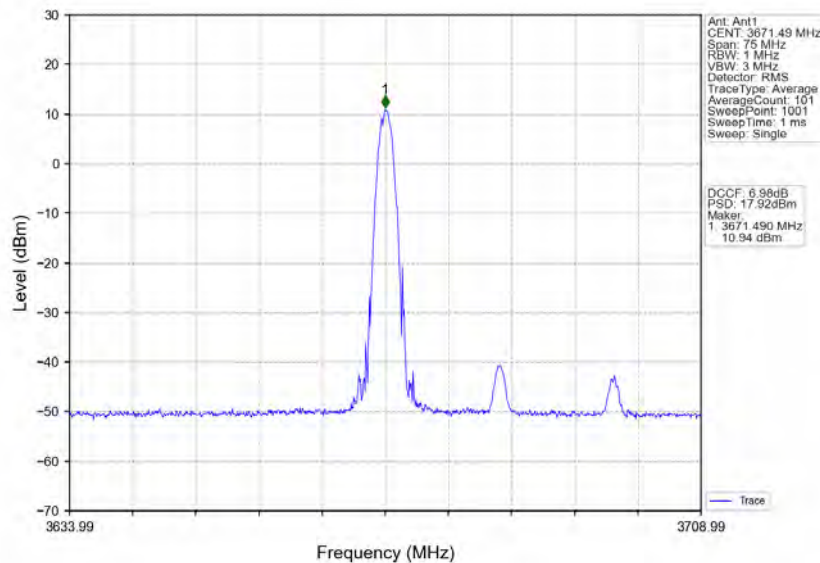
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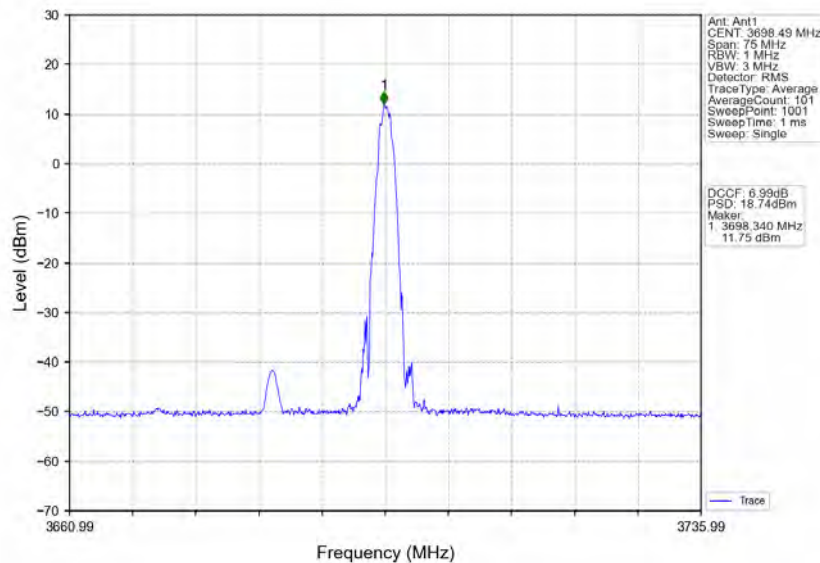
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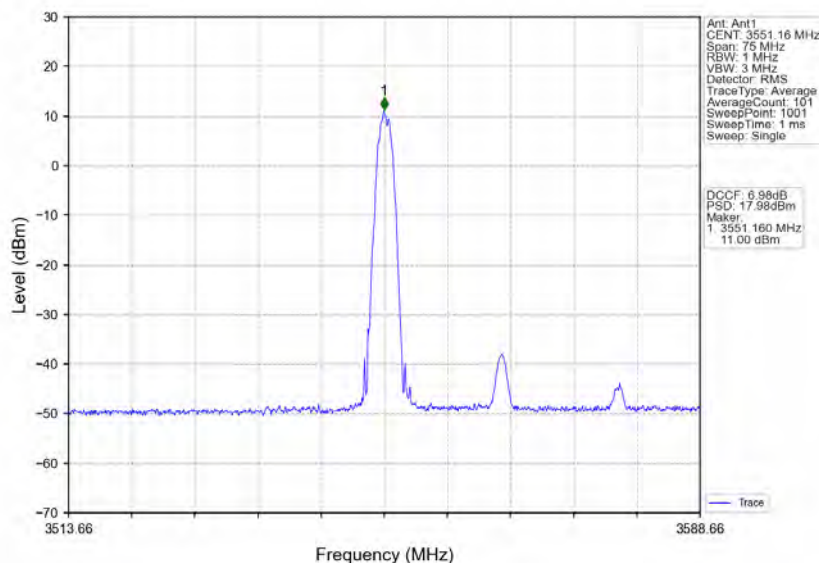
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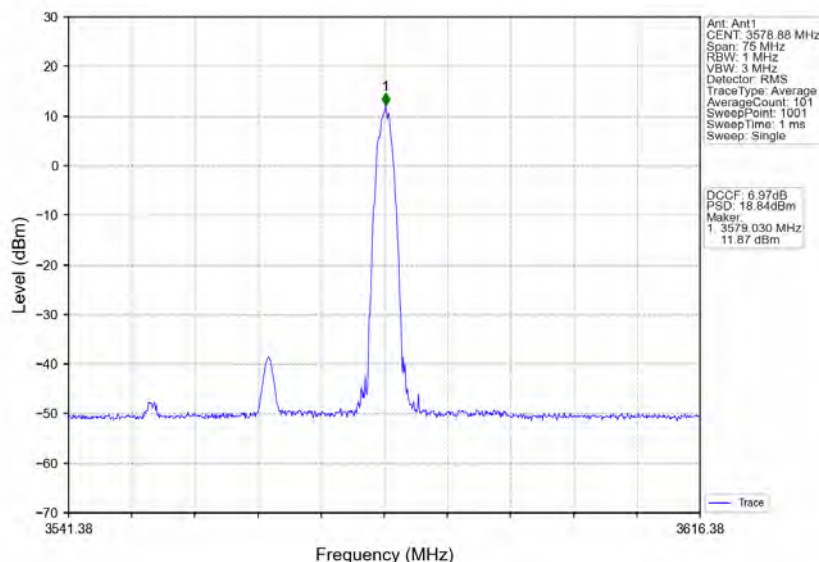
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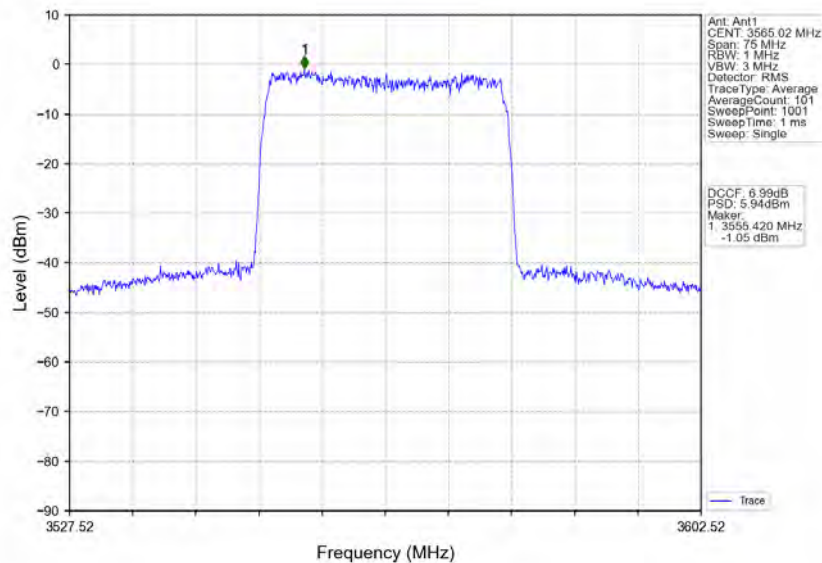
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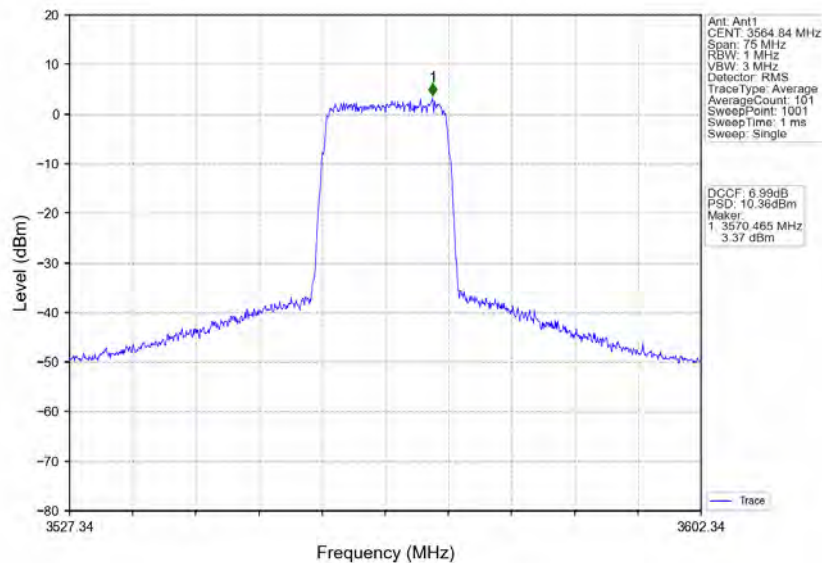
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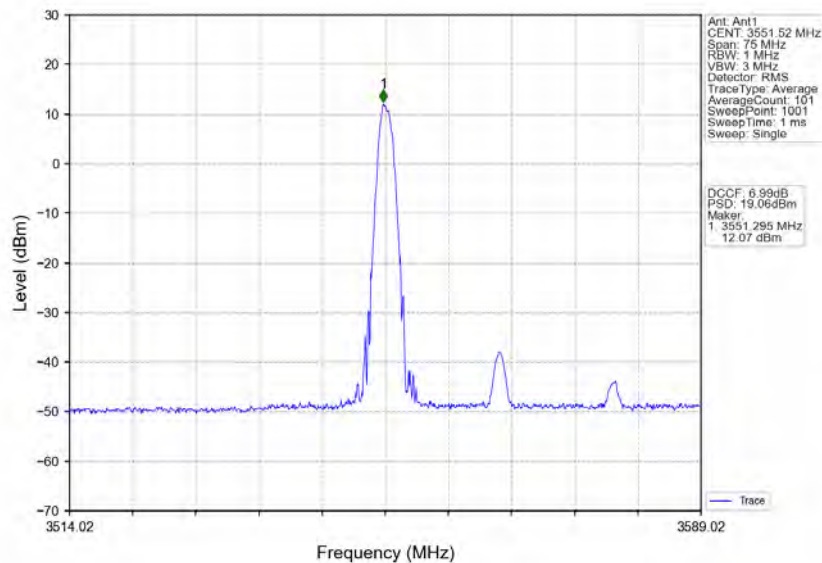
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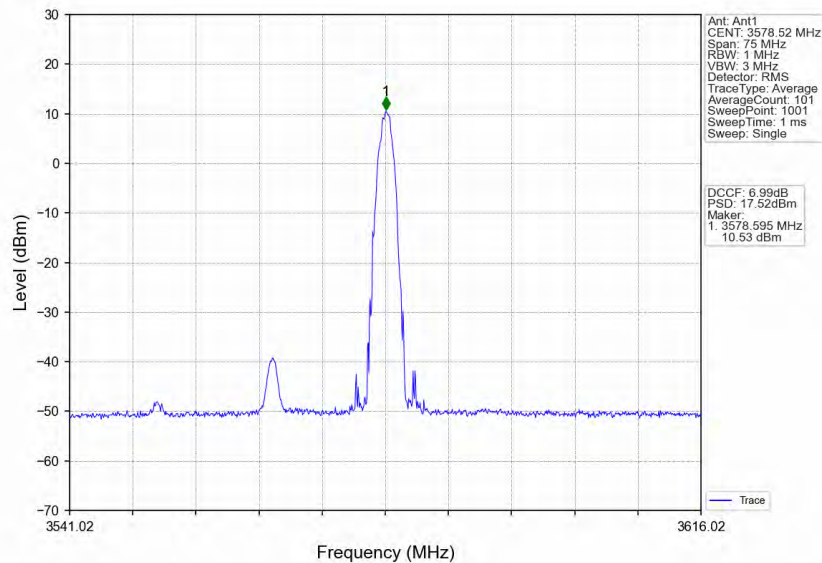
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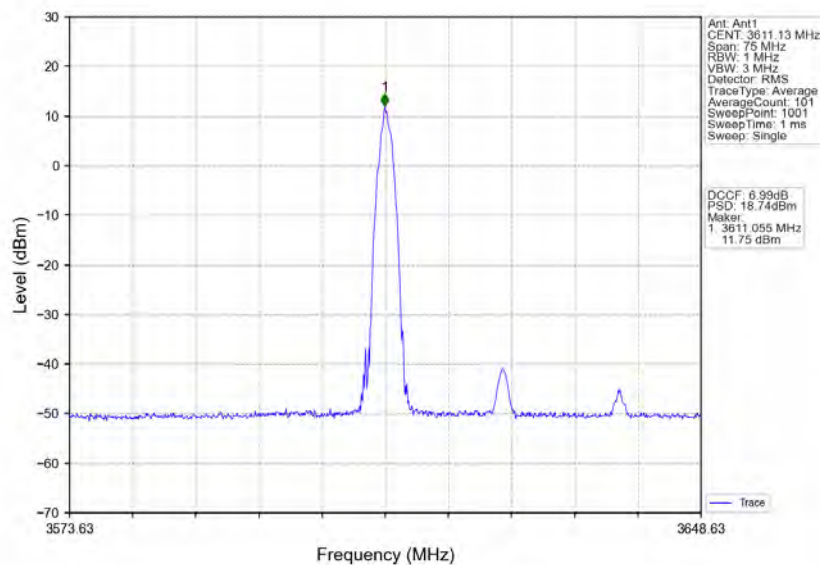
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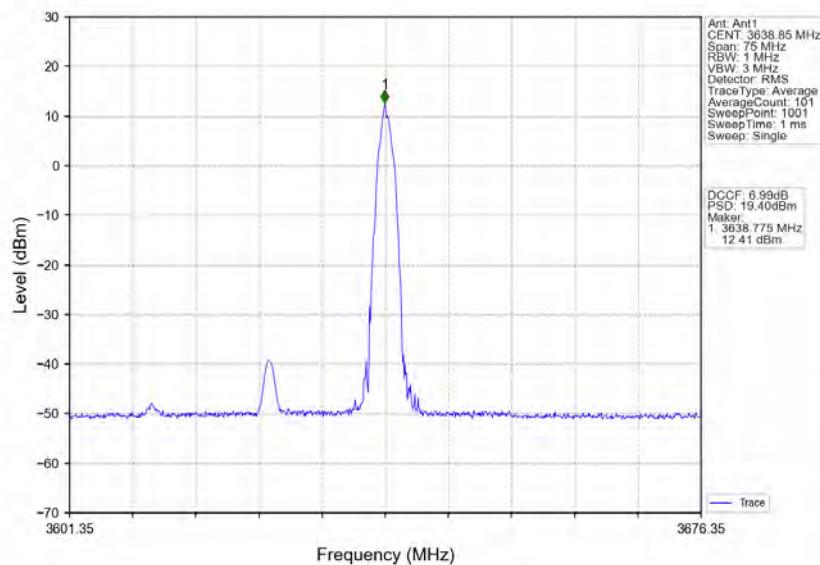
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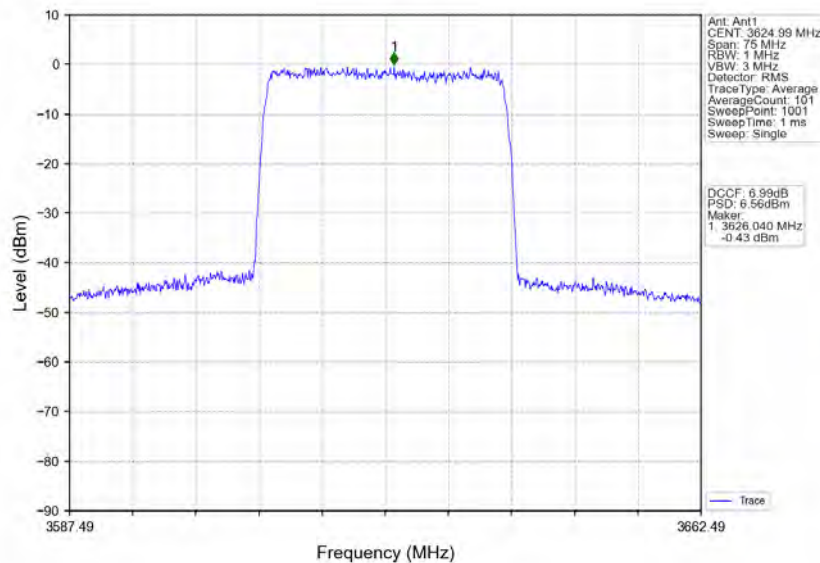
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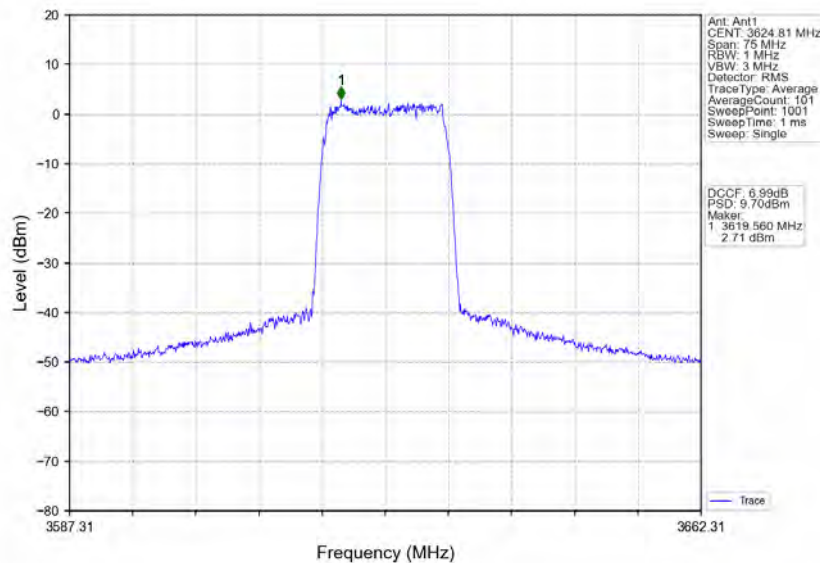
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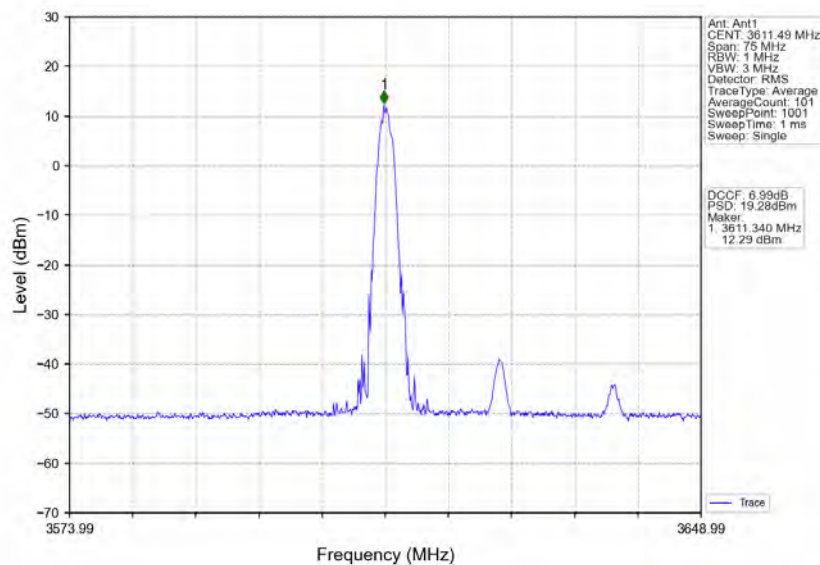
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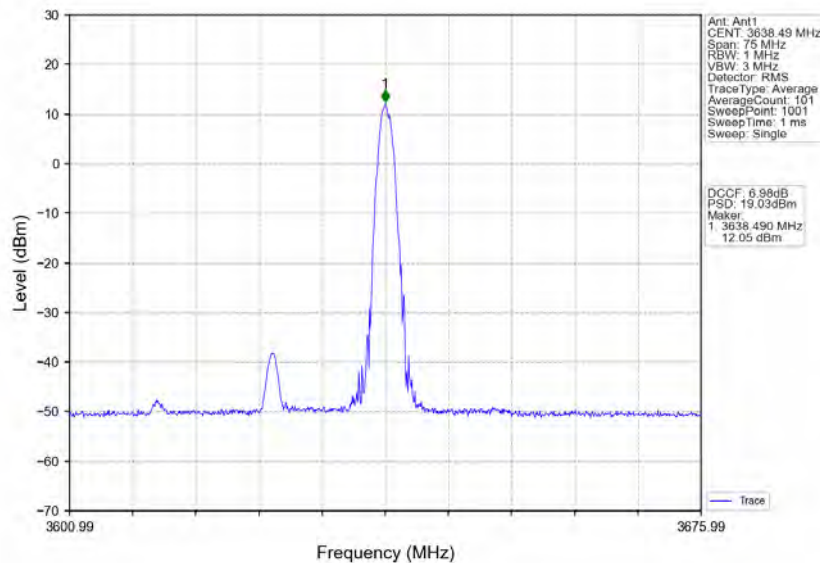
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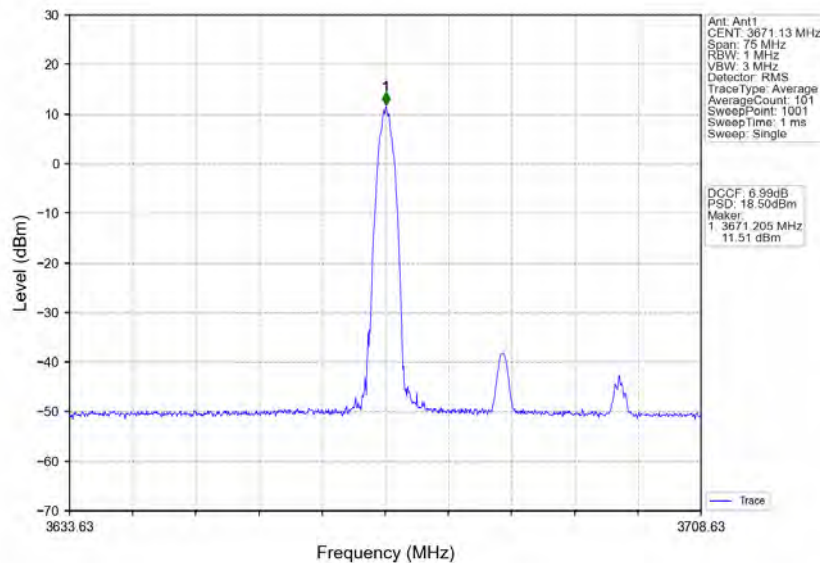
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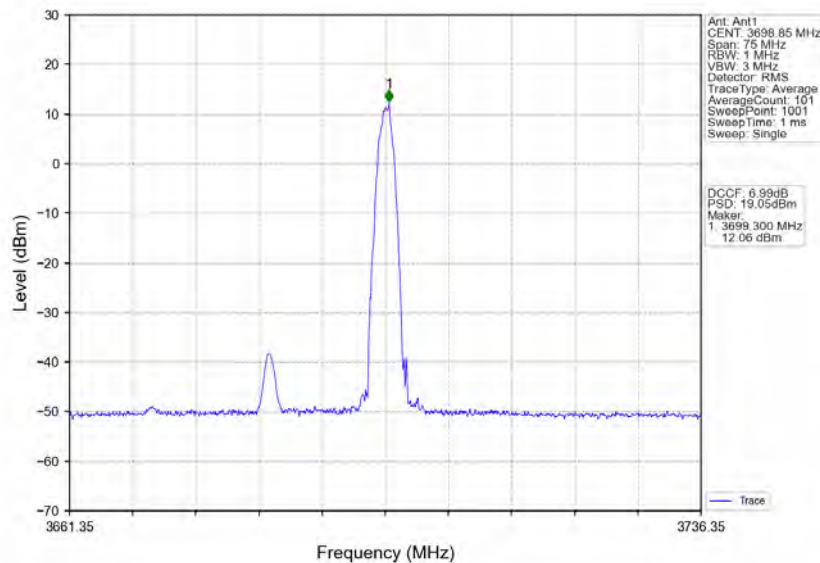
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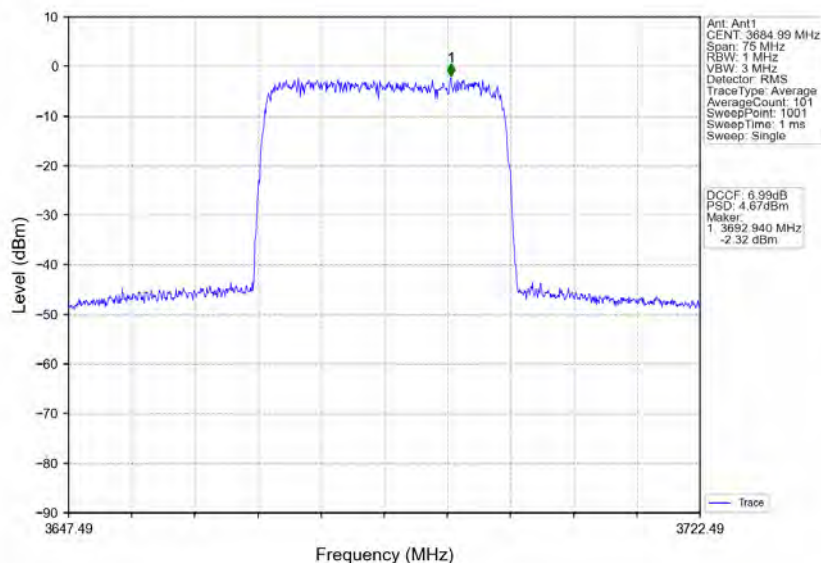
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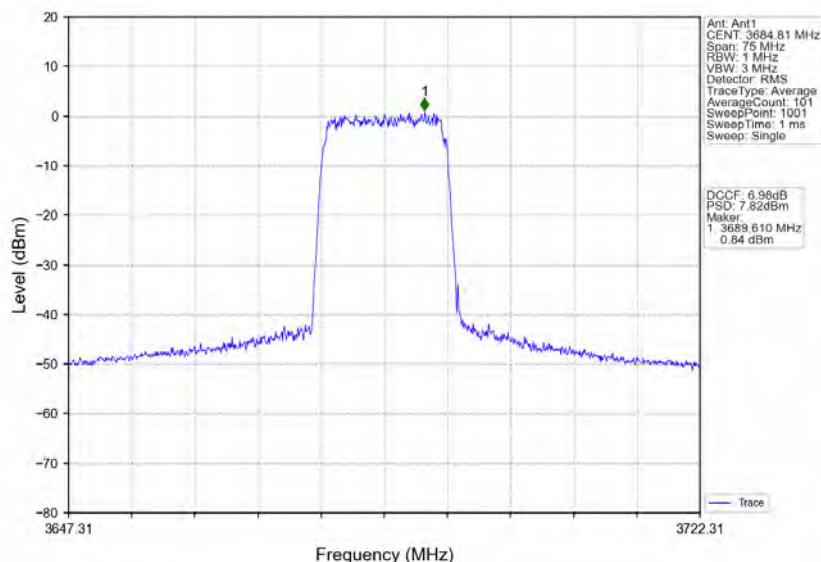
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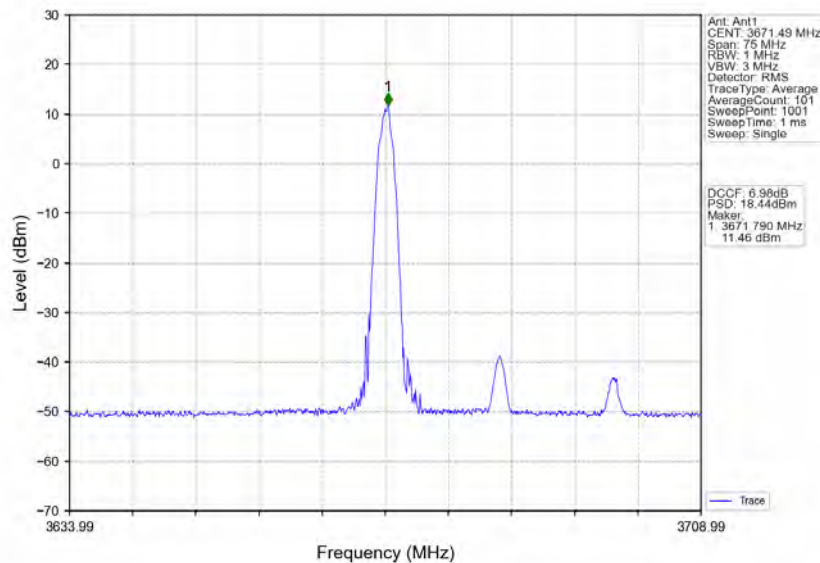
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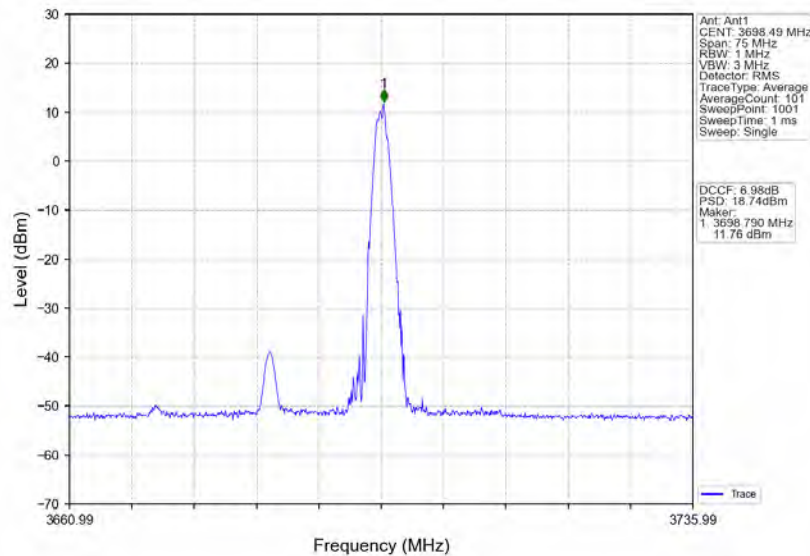
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n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM_256_QAM_3684.99MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM_256_QAM_3684.99MHz_Inner_1RB_Right



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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	19.39	19.30	22.36	33.71	33.65	36.69	-	Pass
		Edge 1RB Right	19.37	19.38	22.39	33.69	33.73	36.72	-	Pass
		Outer Full	19.45	19.37	22.42	33.77	33.72	36.76	-	Pass
		Inner Full	19.39	19.35	22.38	33.71	33.70	36.72	-	Pass
		Inner 1RB Left	19.48	19.31	22.41	33.80	33.66	36.74	-	Pass
		Inner 1RB Right	19.28	19.35	22.33	33.60	33.70	36.66	-	Pass
	3624.99	Edge 1RB Left	19.53	19.43	22.49	33.85	33.78	36.83	-	Pass
		Edge 1RB Right	19.27	19.38	22.34	33.59	33.73	36.67	-	Pass
		Outer Full	19.43	19.39	22.42	33.75	33.74	36.76	-	Pass
		Inner Full	19.39	19.39	22.40	33.71	33.74	36.74	-	Pass
		Inner 1RB Left	19.46	19.49	22.49	33.78	33.84	36.82	-	Pass
		Inner 1RB Right	19.26	19.32	22.30	33.58	33.67	36.64	-	Pass
	3679.98	Edge 1RB Left	19.22	19.09	22.17	33.54	33.44	36.50	-	Pass
		Edge 1RB Right	19.12	19.06	22.10	33.44	33.41	36.44	-	Pass
		Outer Full	19.03	19.08	22.07	33.35	33.43	36.40	-	Pass
		Inner Full	18.99	18.92	21.97	33.31	33.27	36.30	-	Pass
		Inner 1RB Left	19.17	19.17	22.18	33.49	33.52	36.52	-	Pass
		Inner 1RB Right	19.12	19.09	22.12	33.44	33.44	36.45	-	Pass
CP-OFDM 16 QAM	3570	Edge 1RB Left	19.44	19.56	22.51	33.76	33.91	36.85	-	Pass
		Edge 1RB Right	19.60	19.50	22.56	33.92	33.85	36.90	-	Pass
		Outer Full	19.35	19.39	22.38	33.67	33.74	36.72	-	Pass
		Inner Full	19.43	19.36	22.41	33.75	33.71	36.74	-	Pass
		Inner 1RB Left	19.51	19.48	22.51	33.83	33.83	36.84	-	Pass
		Inner 1RB Right	19.50	19.46	22.49	33.82	33.81	36.83	-	Pass
	3624.99	Edge 1RB Left	19.60	19.62	22.62	33.92	33.97	36.96	-	Pass
		Edge 1RB Right	19.38	19.39	22.40	33.70	33.74	36.73	-	Pass
		Outer Full	19.43	19.46	22.46	33.75	33.81	36.79	-	Pass
		Inner Full	19.39	19.47	22.44	33.71	33.82	36.78	-	Pass
		Inner 1RB Left	19.51	19.63	22.58	33.83	33.98	36.92	-	Pass
		Inner 1RB Right	19.33	19.37	22.36	33.65	33.72	36.70	-	Pass
	3679.98	Edge 1RB Left	19.30	19.42	22.37	33.62	33.77	36.71	-	Pass
		Edge 1RB Right	19.30	19.21	22.27	33.62	33.56	36.60	-	Pass
		Outer Full	19.02	18.97	22.01	33.34	33.32	36.34	-	Pass
		Inner Full	18.93	18.94	21.95	33.25	33.29	36.28	-	Pass
		Inner 1RB Left	19.31	19.39	22.36	33.63	33.74	36.70	-	Pass
		Inner 1RB Right	19.17	19.14	22.17	33.49	33.49	36.50	-	Pass
CP-OFDM 64 QAM	3570	Edge 1RB Left	19.54	19.44	22.50	33.86	33.79	36.84	-	Pass
		Edge 1RB Right	19.60	19.53	22.58	33.92	33.88	36.91	-	Pass
		Outer Full	19.40	19.33	22.38	33.72	33.68	36.71	-	Pass
		Inner Full	19.40	19.34	22.38	33.72	33.69	36.72	-	Pass
		Inner 1RB Left	19.46	19.51	22.50	33.78	33.86	36.83	-	Pass
		Inner 1RB Right	19.48	19.48	22.49	33.80	33.83	36.83	-	Pass
	3624.99	Edge 1RB Left	19.67	19.61	22.65	33.99	33.96	36.99	-	Pass
		Edge 1RB Right	19.59	19.57	22.59	33.91	33.92	36.93	-	Pass



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CP-OFDM 256 QAM		Outer_Full	19.44	19.55	22.51	33.76	33.90	36.84	-	Pass
		Inner_Full	19.42	19.51	22.48	33.74	33.86	36.81	-	Pass
		Inner_1RB_Left	19.70	19.62	22.67	34.02	33.97	37.01	-	Pass
		Inner_1RB_Right	19.47	19.53	22.51	33.79	33.88	36.85	-	Pass
	3679.98	Edge_1RB_Left	19.29	19.24	22.28	33.61	33.59	36.61	-	Pass
		Edge_1RB_Right	19.18	19.16	22.18	33.50	33.51	36.52	-	Pass
		Outer_Full	19.02	19.01	22.03	33.34	33.36	36.36	-	Pass
		Inner_Full	18.96	18.95	21.97	33.28	33.30	36.30	-	Pass
		Inner_1RB_Left	19.33	19.30	22.33	33.65	33.65	36.66	-	Pass
		Inner_1RB_Right	19.22	19.12	22.18	33.54	33.47	36.52	-	Pass
		Edge_1RB_Left	19.36	19.34	22.36	33.68	33.69	36.70	-	Pass
		Edge_1RB_Right	19.26	19.34	22.31	33.58	33.69	36.65	-	Pass
	3570	Outer_Full	19.34	19.39	22.38	33.66	33.74	36.71	-	Pass
		Inner_Full	19.35	19.37	22.37	33.67	33.72	36.71	-	Pass
		Inner_1RB_Left	19.36	19.30	22.34	33.68	33.65	36.68	-	Pass
		Inner_1RB_Right	19.45	19.38	22.43	33.77	33.73	36.76	-	Pass
	3624.99	Edge_1RB_Left	19.48	19.48	22.49	33.80	33.83	36.83	-	Pass
		Edge_1RB_Right	19.22	19.30	22.27	33.54	33.65	36.61	-	Pass
		Outer_Full	19.44	19.42	22.44	33.76	33.77	36.78	-	Pass
		Inner_Full	19.41	19.38	22.41	33.73	33.73	36.74	-	Pass
		Inner_1RB_Left	19.44	19.45	22.46	33.76	33.80	36.79	-	Pass
		Inner_1RB_Right	19.32	19.30	22.32	33.64	33.65	36.66	-	Pass
	3679.98	Edge_1RB_Left	19.20	19.25	22.24	33.52	33.60	36.57	-	Pass
		Edge_1RB_Right	19.06	19.08	22.08	33.38	33.43	36.42	-	Pass
		Outer_Full	19.01	18.96	22.00	33.33	33.31	36.33	-	Pass
		Inner_Full	18.92	18.93	21.94	33.24	33.28	36.27	-	Pass
		Inner_1RB_Left	19.08	19.17	22.14	33.40	33.52	36.47	-	Pass
		Inner_1RB_Right	19.14	19.08	22.12	33.46	33.43	36.46	-	Pass

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

2.14 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	18.24	19.10	21.70	32.56	33.45	36.04	<=47	Pass
		Edge_1RB_Right	17.05	17.25	20.16	31.37	31.60	34.50	<=47	Pass
		Outer_Full	12.15	9.25	13.95	26.47	23.60	28.28	<=47	Pass
		Inner_Full	15.55	13.21	17.55	29.87	27.56	31.88	<=47	Pass
		Inner_1RB_Left	19.92	19.35	22.65	34.24	33.70	36.99	<=47	Pass
		Inner_1RB_Right	18.57	14.07	19.89	32.89	28.42	34.22	<=47	Pass
	3624.99	Edge_1RB_Left	18.61	11.36	19.36	32.93	25.71	33.68	<=47	Pass
		Edge_1RB_Right	18.61	17.92	21.29	32.93	32.27	35.62	<=47	Pass
		Outer_Full	12.83	13.20	16.03	27.15	27.55	30.36	<=47	Pass
		Inner_Full	15.14	13.65	17.47	29.46	28.00	31.80	<=47	Pass
		Inner_1RB_Left	15.68	18.98	20.65	30.00	33.33	34.99	<=47	Pass
		Inner_1RB_Right	18.52	17.25	20.94	32.84	31.60	35.27	<=47	Pass
	3679.98	Edge_1RB_Left	18.08	18.23	21.17	32.40	32.58	35.50	<=47	Pass



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		Edge 1RB Right	19.65	18.12	21.96	33.97	32.47	36.29	<=47	Pass
		Outer Full	11.45	11.01	14.25	25.77	25.36	28.58	<=47	Pass
		Inner Full	15.51	14.47	18.03	29.83	28.82	32.36	<=47	Pass
		Inner 1RB Left	17.28	17.36	20.33	31.60	31.71	34.67	<=47	Pass
		Inner 1RB Right	17.41	14.57	19.23	31.73	28.92	33.56	<=47	Pass
CP-OFDM 16 QAM	3570	Edge 1RB Left	20.57	19.56	23.10	34.89	33.91	37.44	<=47	Pass
		Edge 1RB Right	19.11	18.37	21.77	33.43	32.72	36.10	<=47	Pass
		Outer Full	11.46	12.42	14.98	25.78	26.77	29.31	<=47	Pass
		Inner Full	16.16	17.77	20.05	30.48	32.12	34.39	<=47	Pass
		Inner 1RB Left	19.23	18.68	21.97	33.55	33.03	36.31	<=47	Pass
		Inner 1RB Right	17.82	16.85	20.37	32.14	31.20	34.71	<=47	Pass
	3624.99	Edge 1RB Left	19.50	16.48	21.26	33.82	30.83	35.59	<=47	Pass
		Edge 1RB Right	20.21	19.86	23.05	34.53	34.21	37.38	<=47	Pass
		Outer Full	12.31	10.33	14.44	26.63	24.68	28.77	<=47	Pass
		Inner Full	15.39	15.21	18.31	29.71	29.56	32.65	<=47	Pass
		Inner 1RB Left	17.71	18.22	20.98	32.03	32.57	35.32	<=47	Pass
		Inner 1RB Right	16.55	19.58	21.33	30.87	33.93	35.67	<=47	Pass
	3679.98	Edge 1RB Left	19.51	17.73	21.72	33.83	32.08	36.05	<=47	Pass
		Edge 1RB Right	17.31	19.66	21.65	31.63	34.01	35.99	<=47	Pass
		Outer Full	13.10	10.39	14.96	27.42	24.74	29.29	<=47	Pass
		Inner Full	15.29	15.04	18.18	29.61	29.39	32.51	<=47	Pass
		Inner 1RB Left	17.82	21.22	22.85	32.14	35.57	37.20	<=47	Pass
		Inner 1RB Right	17.74	16.96	20.38	32.06	31.31	34.71	<=47	Pass
CP-OFDM 64 QAM	3570	Edge 1RB Left	19.50	19.63	22.58	33.82	33.98	36.91	<=47	Pass
		Edge 1RB Right	17.88	20.33	22.29	32.20	34.68	36.62	<=47	Pass
		Outer Full	13.29	12.52	15.93	27.61	26.87	30.27	<=47	Pass
		Inner Full	16.10	16.40	19.26	30.42	30.75	33.60	<=47	Pass
		Inner 1RB Left	18.36	17.68	21.04	32.68	32.03	35.38	<=47	Pass
		Inner 1RB Right	19.66	17.23	21.62	33.98	31.58	35.95	<=47	Pass
	3624.99	Edge 1RB Left	19.31	17.99	21.71	33.63	32.34	36.04	<=47	Pass
		Edge 1RB Right	18.81	17.74	21.32	33.13	32.09	35.65	<=47	Pass
		Outer Full	11.68	8.07	13.25	26.00	22.42	27.58	<=47	Pass
		Inner Full	15.33	15.91	18.64	29.65	30.26	32.98	<=47	Pass
		Inner 1RB Left	18.23	19.63	22.00	32.55	33.98	36.33	<=47	Pass
		Inner 1RB Right	18.53	18.37	21.46	32.85	32.72	35.80	<=47	Pass
	3679.98	Edge 1RB Left	17.91	17.36	20.65	32.23	31.71	34.99	<=47	Pass
		Edge 1RB Right	18.81	20.50	22.75	33.13	34.85	37.08	<=47	Pass
		Outer Full	12.15	11.68	14.93	26.47	26.03	29.27	<=47	Pass
		Inner Full	15.15	16.64	18.97	29.47	30.99	33.31	<=47	Pass
		Inner 1RB Left	17.21	18.29	20.79	31.53	32.64	35.13	<=47	Pass
		Inner 1RB Right	17.72	16.96	20.37	32.04	31.31	34.70	<=47	Pass
CP-OFDM 256 QAM	3570	Edge 1RB Left	19.65	17.25	21.62	33.97	31.60	35.96	<=47	Pass
		Edge 1RB Right	19.40	19.89	22.66	33.72	34.24	37.00	<=47	Pass
		Outer Full	11.82	13.74	15.90	26.14	28.09	30.23	<=47	Pass
		Inner Full	16.63	16.02	19.35	30.95	30.37	33.68	<=47	Pass
		Inner 1RB Left	18.24	20.14	22.30	32.56	34.49	36.64	<=47	Pass
		Inner 1RB Right	18.53	19.22	21.90	32.85	33.57	36.24	<=47	Pass
	3624.99	Edge 1RB Left	17.67	18.34	21.03	31.99	32.69	35.36	<=47	Pass
		Edge 1RB Right	19.19	18.36	21.81	33.51	32.71	36.14	<=47	Pass
		Outer Full	12.61	9.33	14.28	26.93	23.68	28.61	<=47	Pass
		Inner Full	16.64	14.68	18.78	30.96	29.03	33.11	<=47	Pass
		Inner 1RB Left	18.88	17.23	21.14	33.20	31.58	35.48	<=47	Pass
		Inner 1RB Right	18.22	19.44	21.88	32.54	33.79	36.22	<=47	Pass
	3679.98	Edge 1RB Left	18.37	14.16	19.77	32.69	28.51	34.09	<=47	Pass

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	Edge_1RB_Right	18.57	11.66	19.38	32.89	26.01	33.70	<=47	Pass
	Outer_Full	11.98	11.48	14.75	26.30	25.83	29.08	<=47	Pass
	Inner_Full	14.62	12.73	16.79	28.94	27.08	31.12	<=47	Pass
	Inner_1RB_Left	17.16	17.59	20.39	31.48	31.94	34.73	<=47	Pass
	Inner_1RB_Right	18.25	17.31	20.82	32.57	31.66	35.15	<=47	Pass

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

2.15 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	18.59	19.11	21.87	32.91	33.46	36.20	<=37	Pass
		Edge_1RB_Right	19.44	17.26	21.50	33.76	31.61	35.83	<=37	Pass
		Outer_Full	5.04	4.82	7.94	19.36	19.17	22.28	<=37	Pass
		Inner_Full	7.88	8.77	11.36	22.20	23.12	25.69	<=37	Pass
		Inner_1RB_Left	19.96	18.98	22.51	34.28	33.33	36.84	<=37	Pass
		Inner_1RB_Right	19.50	19.10	22.31	33.82	33.45	36.65	<=37	Pass
	3624.99	Edge_1RB_Left	18.25	19.83	22.12	32.57	34.18	36.46	<=37	Pass
		Edge_1RB_Right	18.04	18.99	21.55	32.36	33.34	35.89	<=37	Pass
		Outer_Full	4.58	4.87	7.74	18.90	19.22	22.07	<=37	Pass
		Inner_Full	6.74	7.09	9.93	21.06	21.44	24.26	<=37	Pass
		Inner_1RB_Left	19.04	18.96	22.01	33.36	33.31	36.35	<=37	Pass
		Inner_1RB_Right	18.70	19.69	22.23	33.02	34.04	36.57	<=37	Pass
	3679.98	Edge_1RB_Left	18.17	18.40	21.30	32.49	32.75	35.63	<=37	Pass
		Edge_1RB_Right	19.21	18.56	21.91	33.53	32.91	36.24	<=37	Pass
		Outer_Full	3.95	4.94	7.48	18.27	19.29	21.82	<=37	Pass
		Inner_Full	6.62	7.50	10.09	20.94	21.85	24.43	<=37	Pass
		Inner_1RB_Left	18.70	17.89	21.32	33.02	32.24	35.66	<=37	Pass
		Inner_1RB_Right	18.37	17.94	21.17	32.69	32.29	35.50	<=37	Pass
CP-OFDM 16 QAM	3570	Edge_1RB_Left	18.69	17.15	21.00	33.01	31.50	35.33	<=37	Pass
		Edge_1RB_Right	19.94	19.33	22.66	34.26	33.68	36.99	<=37	Pass
		Outer_Full	4.62	5.92	8.33	18.94	20.27	22.67	<=37	Pass
		Inner_Full	7.56	8.39	11.01	21.88	22.74	25.34	<=37	Pass
		Inner_1RB_Left	18.20	19.35	21.82	32.52	33.70	36.16	<=37	Pass
		Inner_1RB_Right	19.13	19.34	22.25	33.45	33.69	36.58	<=37	Pass
	3624.99	Edge_1RB_Left	19.71	19.23	22.49	34.03	33.58	36.82	<=37	Pass
		Edge_1RB_Right	18.02	18.53	21.29	32.34	32.88	35.63	<=37	Pass
		Outer_Full	4.85	5.18	8.03	19.17	19.53	22.36	<=37	Pass
		Inner_Full	7.67	8.43	11.08	21.99	22.78	25.41	<=37	Pass
		Inner_1RB_Left	18.54	20.01	22.35	32.86	34.36	36.68	<=37	Pass
		Inner_1RB_Right	18.76	20.06	22.47	33.08	34.41	36.81	<=37	Pass
	3679.98	Edge_1RB_Left	18.60	18.97	21.80	32.92	33.32	36.13	<=37	Pass
		Edge_1RB_Right	18.74	19.24	22.01	33.06	33.59	36.34	<=37	Pass
		Outer_Full	3.26	5.04	7.25	17.58	19.39	21.59	<=37	Pass
		Inner_Full	6.18	7.04	9.64	20.50	21.39	23.98	<=37	Pass
		Inner_1RB_Left	18.29	18.60	21.46	32.61	32.95	35.79	<=37	Pass
		Inner_1RB_Right	18.64	19.03	21.85	32.96	33.38	36.19	<=37	Pass



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CP-OFDM 64 QAM	3570	Edge_1RB_Left	19.18	19.83	22.53	33.50	34.18	36.86	<=37	Pass
		Edge_1RB_Right	19.66	18.55	22.15	33.98	32.90	36.48	<=37	Pass
		Outer_Full	4.43	4.81	7.63	18.75	19.16	21.97	<=37	Pass
		Inner_Full	7.61	7.63	10.63	21.93	21.98	24.97	<=37	Pass
		Inner_1RB_Left	19.15	19.04	22.11	33.47	33.39	36.44	<=37	Pass
		Inner_1RB_Right	18.76	19.42	22.11	33.08	33.77	36.45	<=37	Pass
	3624.99	Edge_1RB_Left	18.20	17.96	21.09	32.52	32.31	35.43	<=37	Pass
		Edge_1RB_Right	18.64	20.26	22.54	32.96	34.61	36.87	<=37	Pass
		Outer_Full	4.40	5.16	7.81	18.72	19.51	22.14	<=37	Pass
		Inner_Full	6.56	6.57	9.58	20.88	20.92	23.91	<=37	Pass
		Inner_1RB_Left	17.55	19.92	21.91	31.87	34.27	36.24	<=37	Pass
		Inner_1RB_Right	18.17	17.26	20.75	32.49	31.61	35.08	<=37	Pass
	3679.98	Edge_1RB_Left	17.85	18.85	21.39	32.17	33.20	35.73	<=37	Pass
		Edge_1RB_Right	17.89	17.88	20.90	32.21	32.23	35.23	<=37	Pass
		Outer_Full	3.49	5.39	7.55	17.81	19.74	21.89	<=37	Pass
		Inner_Full	5.92	6.38	9.17	20.24	20.73	23.50	<=37	Pass
		Inner_1RB_Left	18.42	19.21	21.84	32.74	33.56	36.18	<=37	Pass
		Inner_1RB_Right	18.58	17.97	21.30	32.90	32.32	35.63	<=37	Pass
CP-OFDM 256 QAM	3570	Edge_1RB_Left	19.08	18.13	21.64	33.40	32.48	35.97	<=37	Pass
		Edge_1RB_Right	18.60	19.75	22.22	32.92	34.10	36.56	<=37	Pass
		Outer_Full	4.10	5.53	7.88	18.42	19.88	22.22	<=37	Pass
		Inner_Full	7.04	8.14	10.64	21.36	22.49	24.97	<=37	Pass
		Inner_1RB_Left	18.91	18.62	21.78	33.23	32.97	36.11	<=37	Pass
		Inner_1RB_Right	19.56	19.19	22.39	33.88	33.54	36.72	<=37	Pass
	3624.99	Edge_1RB_Left	19.52	17.86	21.78	33.84	32.21	36.11	<=37	Pass
		Edge_1RB_Right	18.82	17.97	21.43	33.14	32.32	35.76	<=37	Pass
		Outer_Full	3.89	6.41	8.34	18.21	20.76	22.68	<=37	Pass
		Inner_Full	7.46	7.21	10.35	21.78	21.56	24.68	<=37	Pass
		Inner_1RB_Left	19.52	19.25	22.40	33.84	33.60	36.73	<=37	Pass
		Inner_1RB_Right	18.48	18.65	21.58	32.80	33.00	35.91	<=37	Pass
	3679.98	Edge_1RB_Left	19.32	19.18	22.26	33.64	33.53	36.60	<=37	Pass
		Edge_1RB_Right	18.35	17.71	21.05	32.67	32.06	35.39	<=37	Pass
		Outer_Full	4.25	4.75	7.52	18.57	19.10	21.85	<=37	Pass
		Inner_Full	6.59	7.91	10.31	20.91	22.26	24.65	<=37	Pass
		Inner_1RB_Left	17.80	18.13	20.98	32.12	32.48	35.31	<=37	Pass
		Inner_1RB_Right	18.13	19.06	21.63	32.45	33.41	35.97	<=37	Pass

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

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



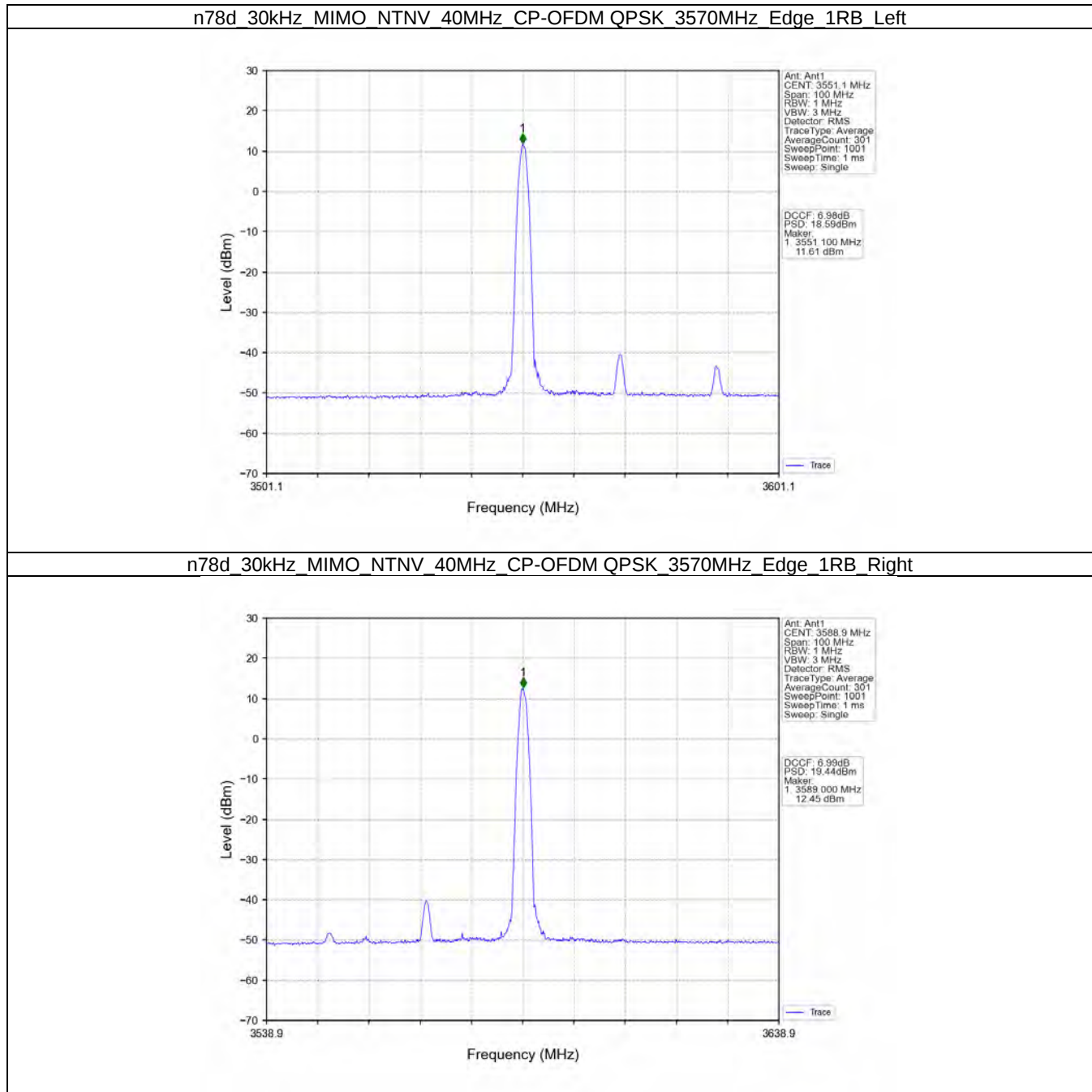
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2.15.2 Test Graph for ANT1



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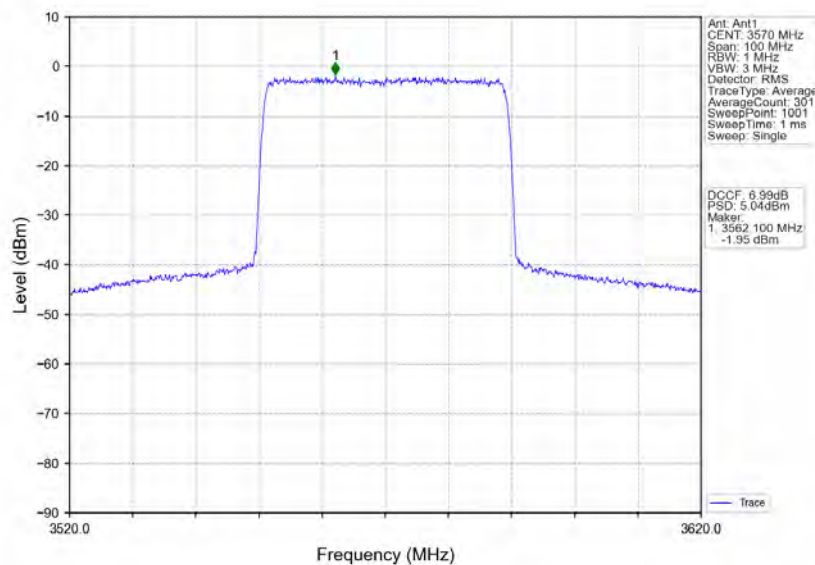
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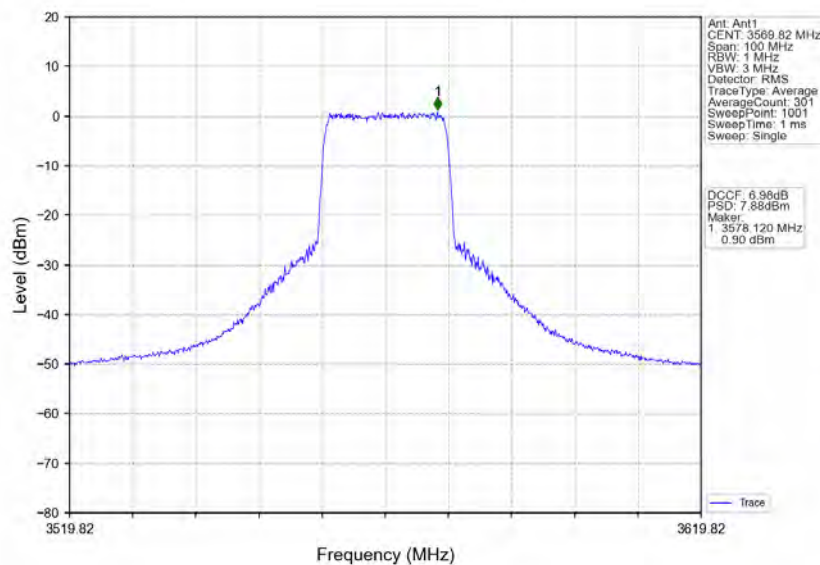
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n78d_30kHz_MIMO_NTNV_40MHz_CP-OFDM_QPSK_3570MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_40MHz_CP-OFDM_QPSK_3570MHz_Inner_Full



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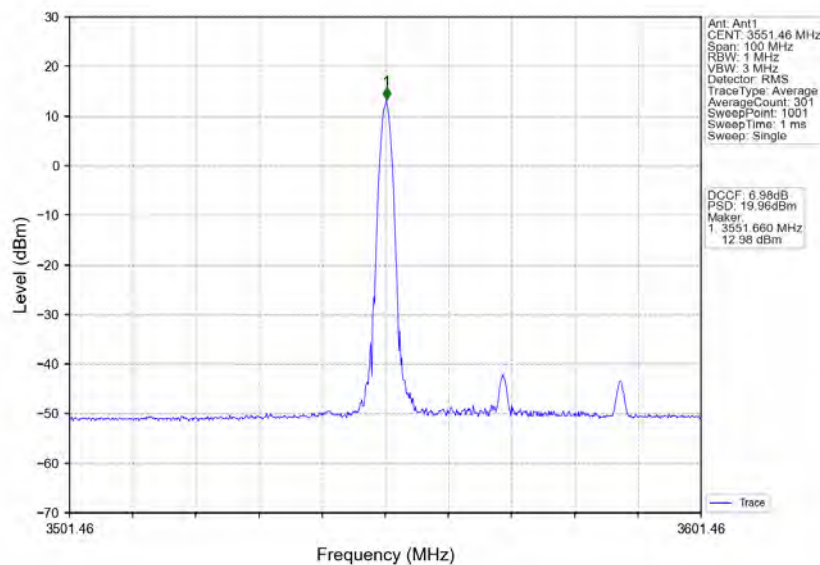
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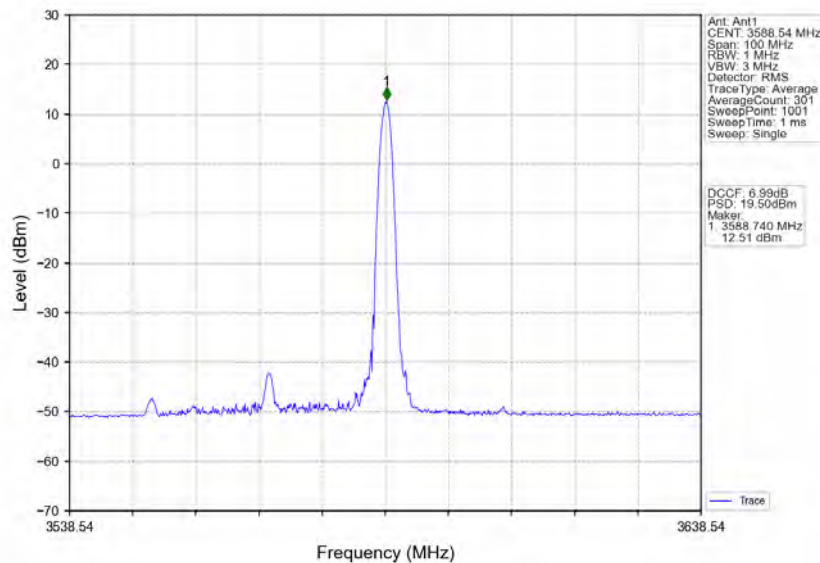
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n78d_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3570MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3570MHz_Inner_1RB_Right



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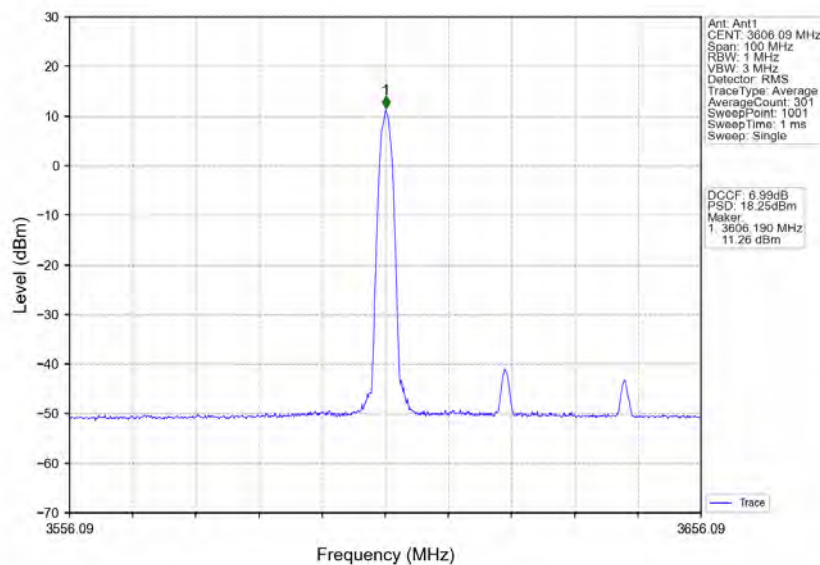
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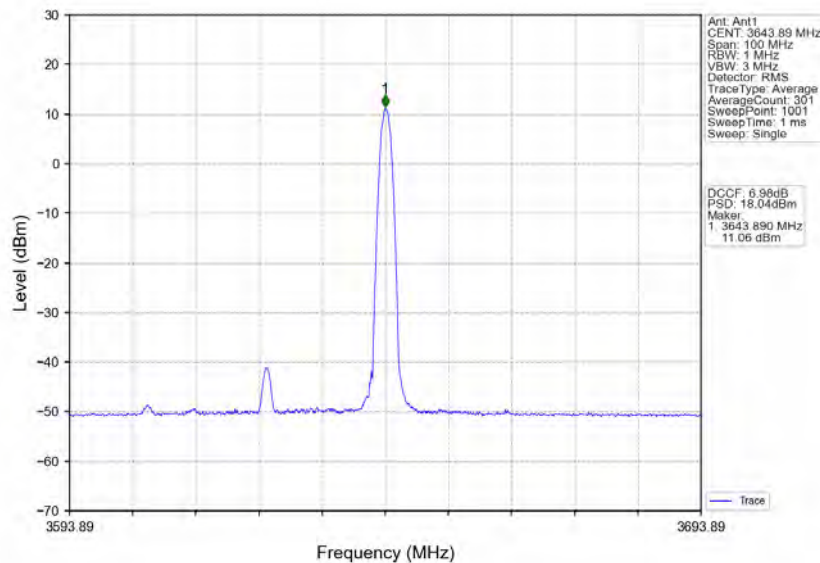
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n78d_30kHz_MIMO_NTNV_40MHz_CP-OFDM_QPSK_3624.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_40MHz_CP-OFDM_QPSK_3624.99MHz_Edge_1RB_Right



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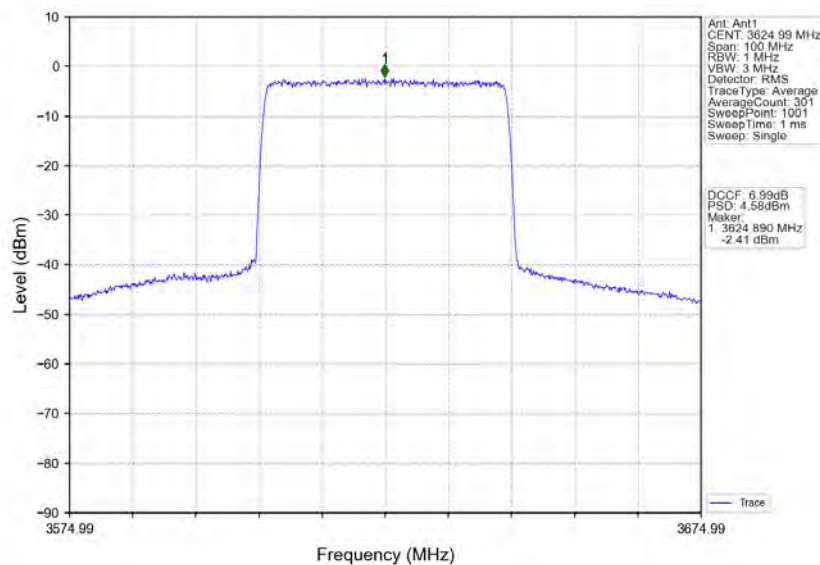
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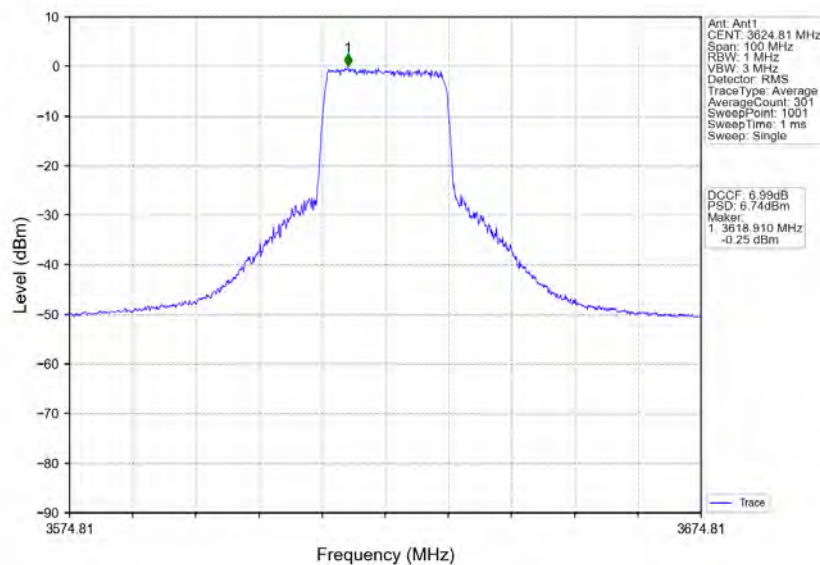
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n78d_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3624.99MHz_Inner_Full



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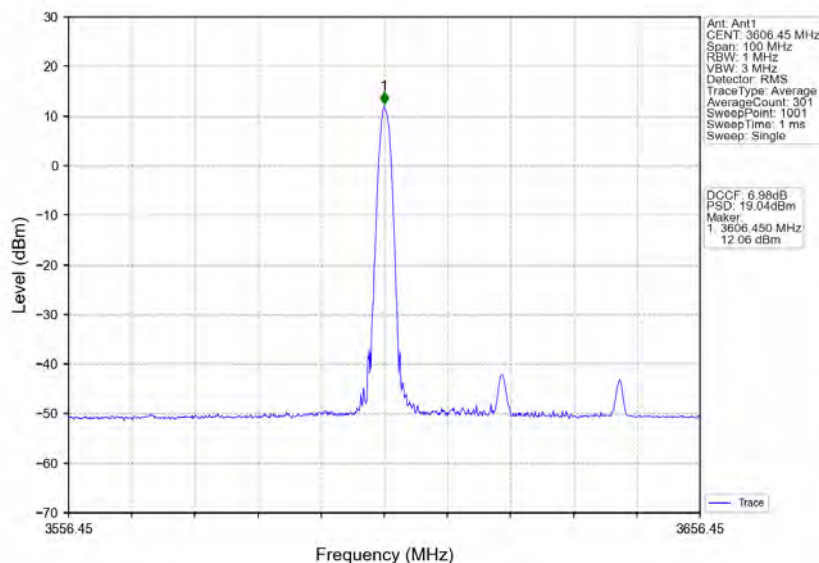
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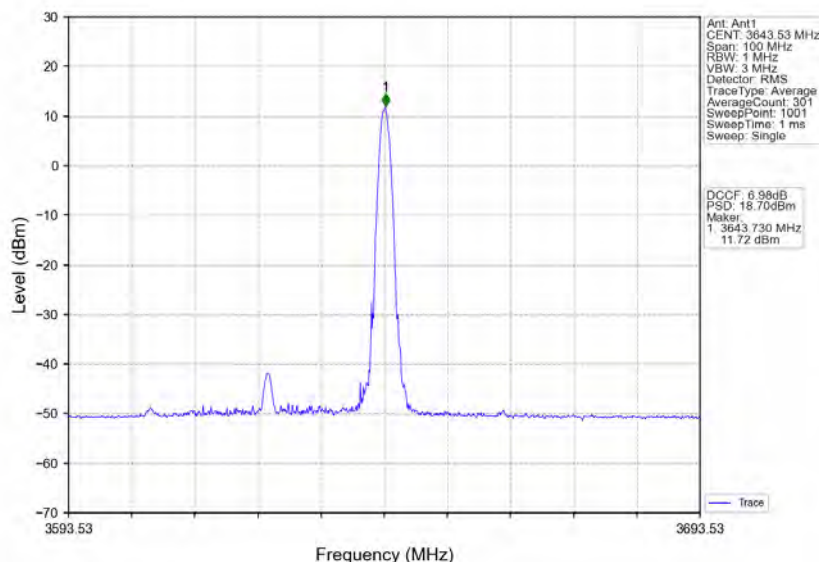
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n78d_30kHz_MIMO_NTNV_40MHz_CP-OFDM_QPSK_3624.99MHz_Inner_1RB_Right



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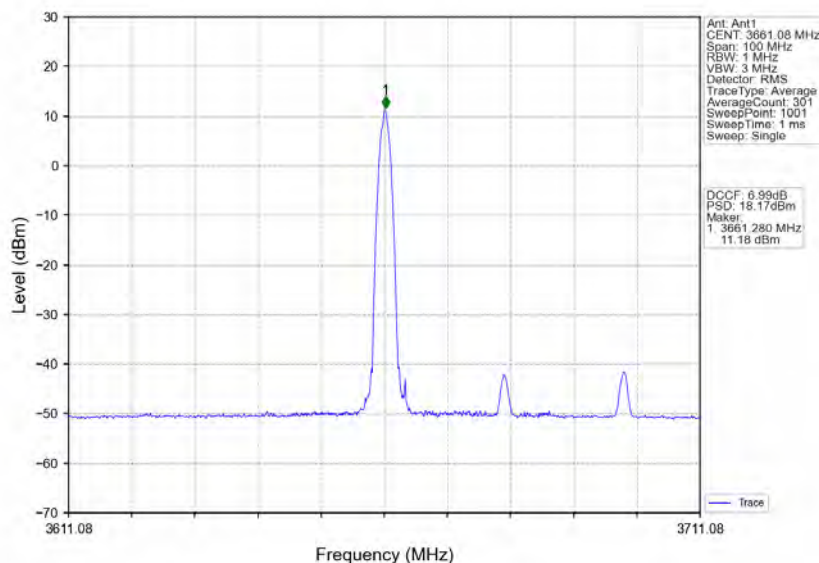
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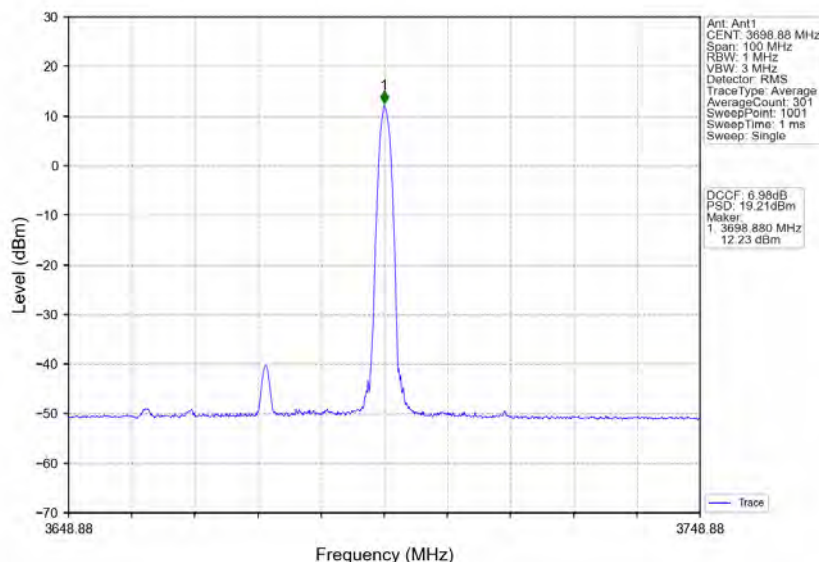
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n78d_30kHz_MIMO_NTNV_40MHz_CP-OFDM_QPSK_3679.98MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_40MHz_CP-OFDM_QPSK_3679.98MHz_Edge_1RB_Right



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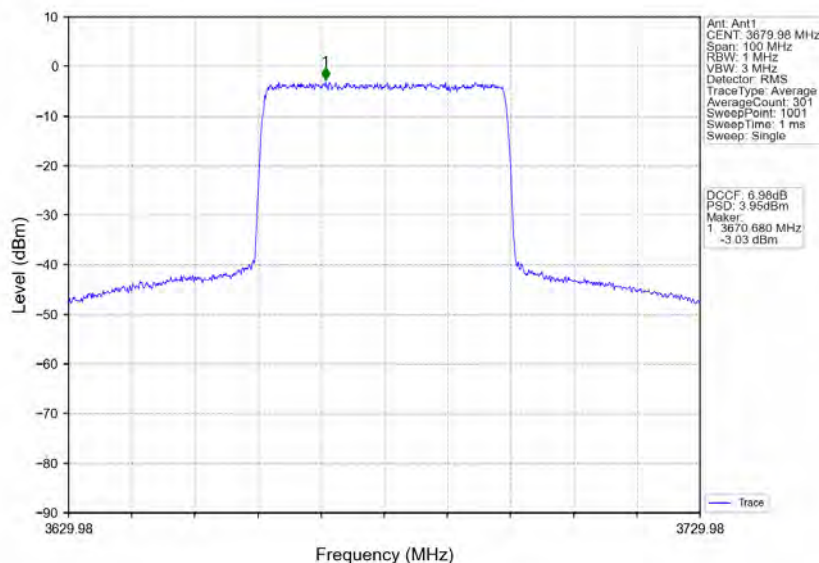
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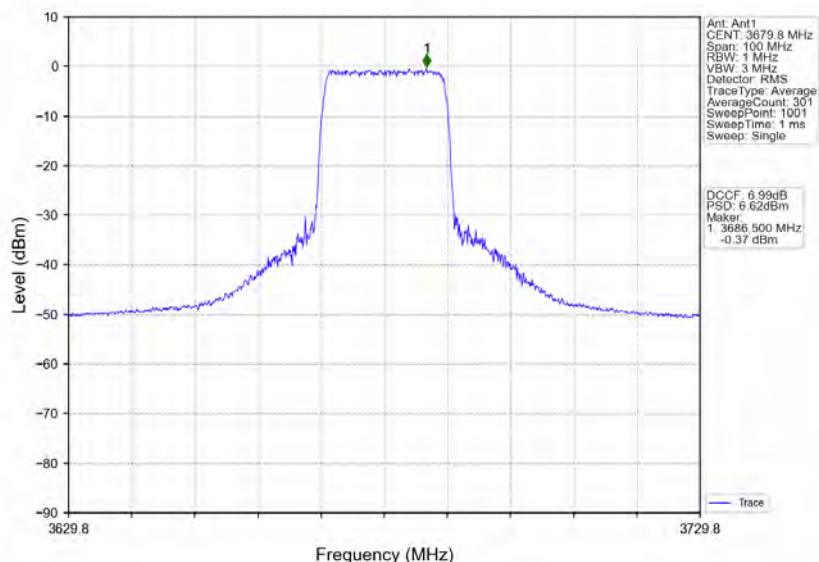
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