



APPENDIX A – TEST DATA OF CONDUCTED EMISSION LTE Band 48

1. Duty Cycle

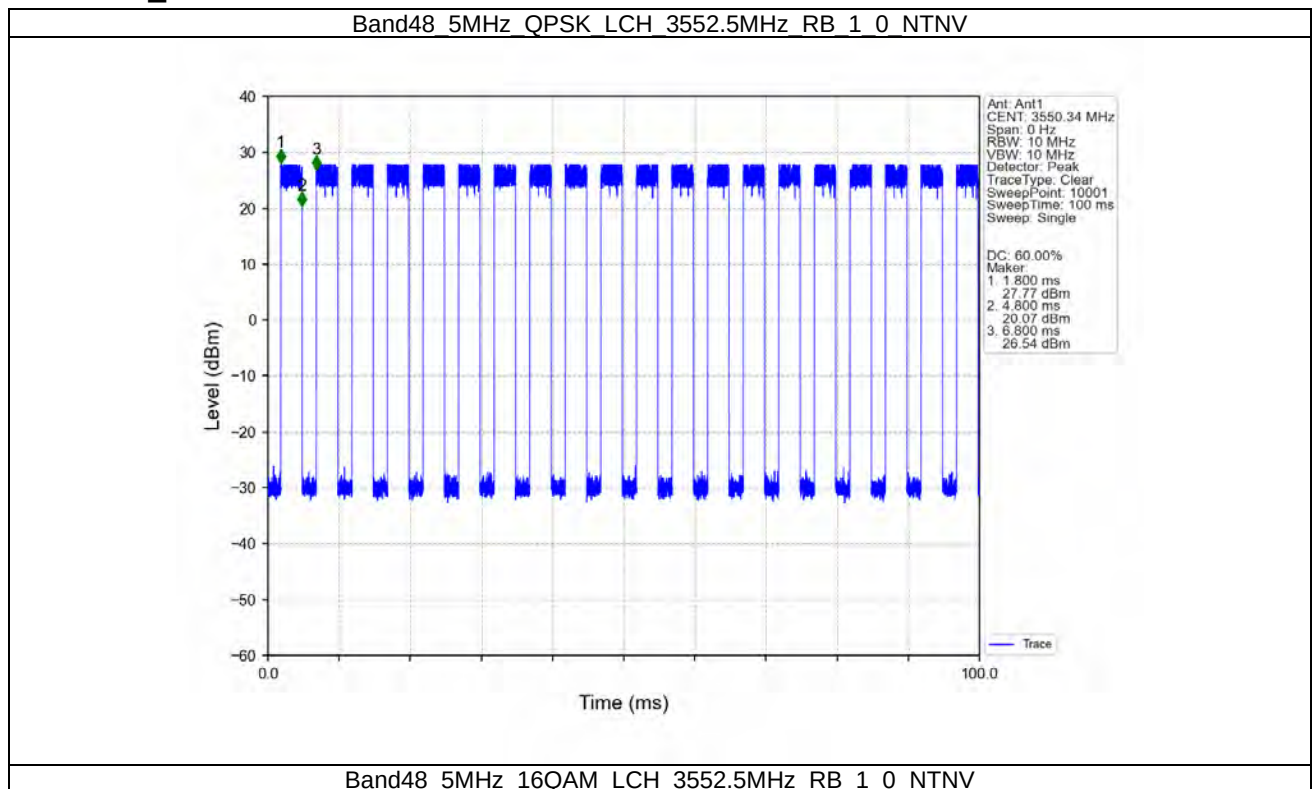
1.1 Test Result

1.1.1 B48_5MHz

Band: 48 / Bandwidth: 5MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
		Size	Offset					
QPSK	3552.5	1	0	3.000	5.000	60.00	2.22	0.00
16QAM	3552.5	1	0	3.000	5.000	60.00	2.22	0.00
64QAM	3552.5	1	0	3.000	5.000	60.00	2.22	0.00

1.2 Test Graph

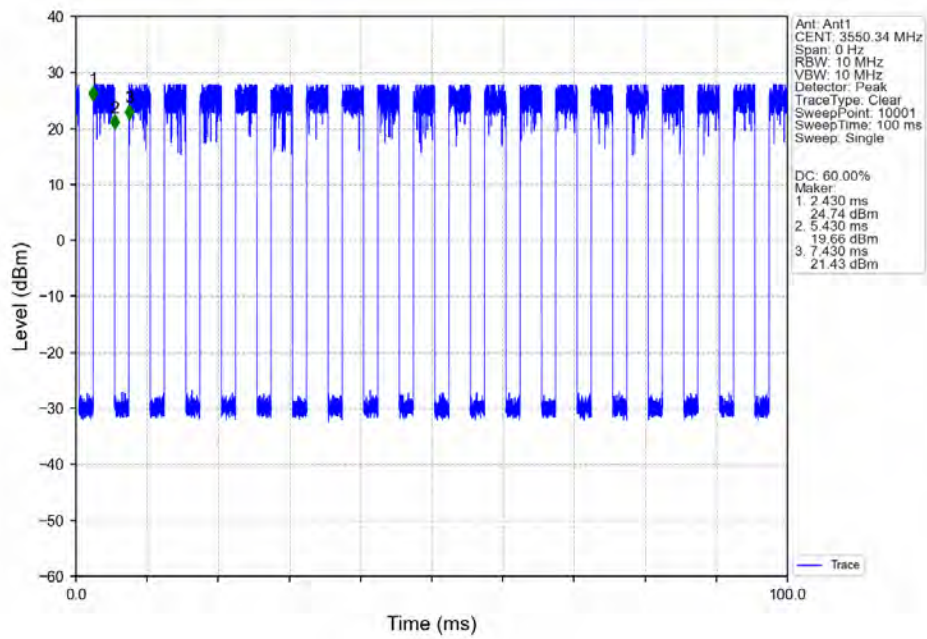
1.2.1 B48_5MHz



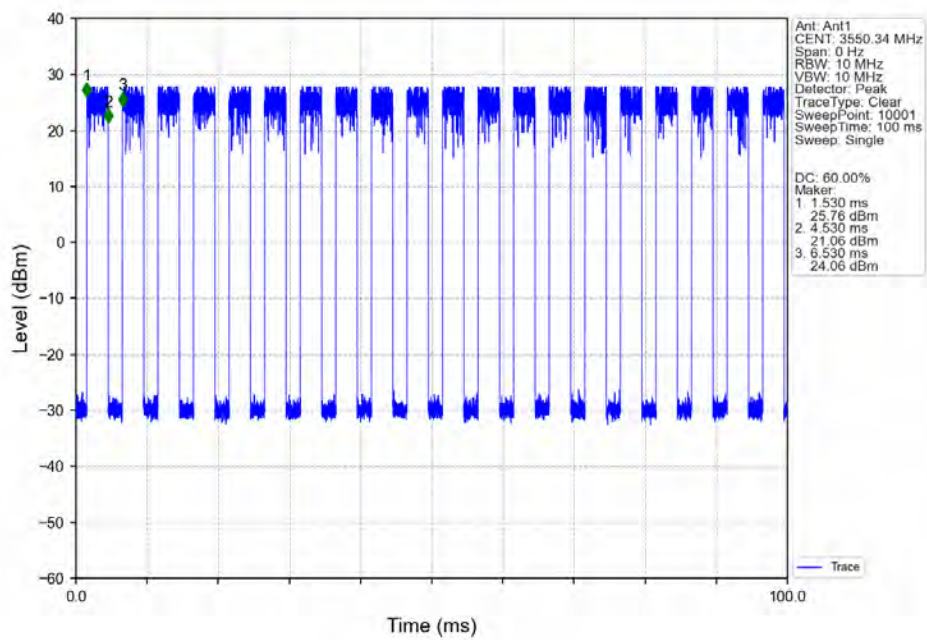


BUREAU
VERITAS

No.: PSU-NQN2412170317RF01
FCC ID: 2AANY-ER815NRQ3



Band48 5MHz 64QAM LCH 3552.5MHz RB 1 0 NTN





2. Effective (Isotropic) Radiated Power Output Data

2.1 Test Result

2.1.1 B48_5MHz_EIRP

Band: 48 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3552.5	1	0	23.74	0.14	23.88	<=39	Pass
			13	23.92	0.14	24.06	<=39	Pass
			24	23.84	0.14	23.98	<=39	Pass
		12	0	22.92	0.14	23.06	<=39	Pass
			6	22.97	0.14	23.11	<=39	Pass
			13	22.94	0.14	23.08	<=39	Pass
		25	0	22.92	0.14	23.06	<=39	Pass
	3625	1	0	23.72	0.14	23.86	<=39	Pass
			13	23.78	0.14	23.92	<=39	Pass
			24	23.57	0.14	23.71	<=39	Pass
		12	0	22.74	0.14	22.88	<=39	Pass
			6	22.78	0.14	22.92	<=39	Pass
			13	22.71	0.14	22.85	<=39	Pass
		25	0	22.67	0.14	22.81	<=39	Pass
	3697.5	1	0	23.48	0.14	23.62	<=39	Pass
			13	23.62	0.14	23.76	<=39	Pass
			24	23.45	0.14	23.59	<=39	Pass
		12	0	22.46	0.14	22.60	<=39	Pass
			6	22.51	0.14	22.65	<=39	Pass
			13	22.53	0.14	22.67	<=39	Pass
		25	0	22.45	0.14	22.59	<=39	Pass
16QAM	3552.5	1	0	22.94	0.14	23.08	<=39	Pass
			13	22.96	0.14	23.10	<=39	Pass
			24	22.81	0.14	22.95	<=39	Pass
		12	0	21.95	0.14	22.09	<=39	Pass
			6	21.97	0.14	22.11	<=39	Pass
			13	21.82	0.14	21.96	<=39	Pass
		25	0	21.89	0.14	22.03	<=39	Pass
	3625	1	0	22.83	0.14	22.97	<=39	Pass
			13	22.86	0.14	23.00	<=39	Pass
			24	22.72	0.14	22.86	<=39	Pass
		12	0	21.68	0.14	21.82	<=39	Pass
			6	21.86	0.14	22.00	<=39	Pass
			13	21.74	0.14	21.88	<=39	Pass
		25	0	21.64	0.14	21.78	<=39	Pass
	3697.5	1	0	22.58	0.14	22.72	<=39	Pass
			13	22.63	0.14	22.77	<=39	Pass
			24	22.64	0.14	22.78	<=39	Pass
		12	0	21.63	0.14	21.77	<=39	Pass
			6	21.46	0.14	21.60	<=39	Pass
			13	21.55	0.14	21.69	<=39	Pass
		25	0	21.43	0.14	21.57	<=39	Pass
64QAM	3552.5	1	0	22.74	0.14	22.88	<=39	Pass
			13	22.92	0.14	23.06	<=39	Pass
			24	22.78	0.14	22.92	<=39	Pass
		12	0	21.88	0.14	22.02	<=39	Pass
			6	21.87	0.14	22.01	<=39	Pass
			13	21.91	0.14	22.05	<=39	Pass
		25	0	21.95	0.14	22.09	<=39	Pass



	3625	1	0	22.64	0.14	22.78	<=39	Pass
			13	22.79	0.14	22.93	<=39	Pass
			24	22.45	0.14	22.59	<=39	Pass
		12	0	21.68	0.14	21.82	<=39	Pass
			6	21.76	0.14	21.90	<=39	Pass
			13	21.82	0.14	21.96	<=39	Pass
	3697.5	25	0	21.64	0.14	21.78	<=39	Pass
			0	22.47	0.14	22.61	<=39	Pass
			13	22.52	0.14	22.66	<=39	Pass
		1	24	22.49	0.14	22.63	<=39	Pass
			0	21.41	0.14	21.55	<=39	Pass
			6	21.44	0.14	21.58	<=39	Pass
		12	13	21.55	0.14	21.69	<=39	Pass
			0	21.45	0.14	21.59	<=39	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2.1.2 B48_10MHz_EIRP

Band: 48 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3555	1	0	23.74	0.14	23.88	<=39	Pass
			25	23.93	0.14	24.07	<=39	Pass
			49	23.68	0.14	23.82	<=39	Pass
		25	0	22.89	0.14	23.03	<=39	Pass
			13	22.88	0.14	23.02	<=39	Pass
			25	22.81	0.14	22.95	<=39	Pass
		50	0	22.86	0.14	23.00	<=39	Pass
	3625	1	0	23.66	0.14	23.80	<=39	Pass
			25	23.67	0.14	23.81	<=39	Pass
			49	23.45	0.14	23.59	<=39	Pass
		25	0	22.66	0.14	22.80	<=39	Pass
			13	22.64	0.14	22.78	<=39	Pass
			25	22.61	0.14	22.75	<=39	Pass
		50	0	22.59	0.14	22.73	<=39	Pass
	3695	1	0	23.64	0.14	23.78	<=39	Pass
			25	23.50	0.14	23.64	<=39	Pass
			49	23.50	0.14	23.64	<=39	Pass
		25	0	22.50	0.14	22.64	<=39	Pass
			13	22.58	0.14	22.72	<=39	Pass
			25	22.54	0.14	22.68	<=39	Pass
		50	0	22.58	0.14	22.72	<=39	Pass
16QAM	3555	1	0	22.75	0.14	22.89	<=39	Pass
			25	22.82	0.14	22.96	<=39	Pass
			49	22.68	0.14	22.82	<=39	Pass
		25	0	21.88	0.14	22.02	<=39	Pass
			13	21.90	0.14	22.04	<=39	Pass
			25	21.80	0.14	21.94	<=39	Pass
		50	0	21.85	0.14	21.99	<=39	Pass
	3625	1	0	22.83	0.14	22.97	<=39	Pass
			25	22.77	0.14	22.91	<=39	Pass
			49	22.50	0.14	22.64	<=39	Pass
		25	0	21.69	0.14	21.83	<=39	Pass
			13	21.65	0.14	21.79	<=39	Pass
			25	21.65	0.14	21.79	<=39	Pass
		50	0	21.62	0.14	21.76	<=39	Pass
	3695	1	0	22.59	0.14	22.73	<=39	Pass
			25	22.51	0.14	22.65	<=39	Pass
			49	22.55	0.14	22.69	<=39	Pass
		25	0	21.57	0.14	21.71	<=39	Pass
			13	21.54	0.14	21.68	<=39	Pass



64QAM	3555	50	25	21.50	0.14	21.64	<=39	Pass
			0	21.52	0.14	21.66	<=39	Pass
		1	0	22.82	0.14	22.96	<=39	Pass
			25	22.91	0.14	23.05	<=39	Pass
			49	22.71	0.14	22.85	<=39	Pass
		25	0	21.90	0.14	22.04	<=39	Pass
			13	21.89	0.14	22.03	<=39	Pass
			25	21.81	0.14	21.95	<=39	Pass
		50	0	21.85	0.14	21.99	<=39	Pass
	3625	1	0	22.68	0.14	22.82	<=39	Pass
			25	22.73	0.14	22.87	<=39	Pass
			49	22.50	0.14	22.64	<=39	Pass
		25	0	21.67	0.14	21.81	<=39	Pass
			13	21.66	0.14	21.80	<=39	Pass
			25	21.59	0.14	21.73	<=39	Pass
		50	0	21.60	0.14	21.74	<=39	Pass
	3695	1	0	22.65	0.14	22.79	<=39	Pass
			25	22.44	0.14	22.58	<=39	Pass
			49	21.22	0.14	21.36	<=39	Pass
		25	0	19.26	0.14	19.40	<=39	Pass
			13	19.28	0.14	19.42	<=39	Pass
			25	20.12	0.14	20.26	<=39	Pass
		50	0	19.99	0.14	20.13	<=39	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2.1.3 B48_15MHz_EIRP

Band: 48 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3557.5	1	0	23.60	0.14	23.74	<=39	Pass
			38	23.48	0.14	23.62	<=39	Pass
			74	23.28	0.14	23.42	<=39	Pass
		36	0	22.61	0.14	22.75	<=39	Pass
			18	22.65	0.14	22.79	<=39	Pass
			39	22.53	0.14	22.67	<=39	Pass
		75	0	22.58	0.14	22.72	<=39	Pass
	3625	1	0	23.37	0.14	23.51	<=39	Pass
			38	23.41	0.14	23.55	<=39	Pass
			74	23.00	0.14	23.14	<=39	Pass
		36	0	22.45	0.14	22.59	<=39	Pass
			18	22.41	0.14	22.55	<=39	Pass
			39	22.29	0.14	22.43	<=39	Pass
		75	0	22.37	0.14	22.51	<=39	Pass
	3692.5	1	0	23.43	0.14	23.57	<=39	Pass
			38	23.35	0.14	23.49	<=39	Pass
			74	23.13	0.14	23.27	<=39	Pass
		36	0	22.45	0.14	22.59	<=39	Pass
			18	22.35	0.14	22.49	<=39	Pass
			39	22.31	0.14	22.45	<=39	Pass
		75	0	22.35	0.14	22.49	<=39	Pass
16QAM	3557.5	1	0	22.51	0.14	22.65	<=39	Pass
			38	22.41	0.14	22.55	<=39	Pass
			74	22.35	0.14	22.49	<=39	Pass
		36	0	21.59	0.14	21.73	<=39	Pass
			18	21.64	0.14	21.78	<=39	Pass
			39	21.52	0.14	21.66	<=39	Pass
		75	0	21.57	0.14	21.71	<=39	Pass
	3625	1	0	22.24	0.14	22.38	<=39	Pass
			38	22.43	0.14	22.57	<=39	Pass
			74	22.11	0.14	22.25	<=39	Pass



64QAM	3692.5	36	0	21.45	0.14	21.59	<=39	Pass
			18	21.37	0.14	21.51	<=39	Pass
			39	21.30	0.14	21.44	<=39	Pass
		75	0	21.32	0.14	21.46	<=39	Pass
		1	0	22.53	0.14	22.67	<=39	Pass
			38	22.33	0.14	22.47	<=39	Pass
			74	22.13	0.14	22.27	<=39	Pass
		36	0	21.48	0.14	21.62	<=39	Pass
			18	21.38	0.14	21.52	<=39	Pass
			39	21.39	0.14	21.53	<=39	Pass
		75	0	21.35	0.14	21.49	<=39	Pass
	3557.5	1	0	22.41	0.14	22.55	<=39	Pass
			38	22.45	0.14	22.59	<=39	Pass
			74	22.28	0.14	22.42	<=39	Pass
		36	0	21.61	0.14	21.75	<=39	Pass
			18	21.62	0.14	21.76	<=39	Pass
			39	1.84	0.14	1.98	<=39	Pass
		75	0	7.52	0.14	7.66	<=39	Pass
	3625	1	0	22.35	0.14	22.49	<=39	Pass
			38	19.33	0.14	19.47	<=39	Pass
			74	16.00	0.14	16.14	<=39	Pass
		36	0	9.48	0.14	9.62	<=39	Pass
			18	21.35	0.14	21.49	<=39	Pass
			39	21.33	0.14	21.47	<=39	Pass
		75	0	21.32	0.14	21.46	<=39	Pass
	3692.5	1	0	22.44	0.14	22.58	<=39	Pass
			38	22.22	0.14	22.36	<=39	Pass
			74	22.14	0.14	22.28	<=39	Pass
		36	0	21.43	0.14	21.57	<=39	Pass
			18	21.35	0.14	21.49	<=39	Pass
			39	21.33	0.14	21.47	<=39	Pass
		75	0	21.34	0.14	21.48	<=39	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2.1.4 B48_20MHz_EIRP

Band: 48 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3560	1	0	23.56	0.14	23.70	<=39	Pass
			50	23.34	0.14	23.48	<=39	Pass
			99	23.47	0.14	23.61	<=39	Pass
		50	0	22.50	0.14	22.64	<=39	Pass
			25	22.49	0.14	22.63	<=39	Pass
			50	22.49	0.14	22.63	<=39	Pass
		100	0	22.52	0.14	22.66	<=39	Pass
	3625	1	0	23.11	0.14	23.25	<=39	Pass
			50	23.26	0.14	23.40	<=39	Pass
			99	22.89	0.14	23.03	<=39	Pass
		50	0	22.28	0.14	22.42	<=39	Pass
			25	22.30	0.14	22.44	<=39	Pass
			50	22.17	0.14	22.31	<=39	Pass
		100	0	22.16	0.14	22.30	<=39	Pass
	3690	1	0	23.04	0.14	23.18	<=39	Pass
			50	23.39	0.14	23.53	<=39	Pass
			99	23.06	0.14	23.20	<=39	Pass
		50	0	22.31	0.14	22.45	<=39	Pass
			25	22.46	0.14	22.60	<=39	Pass
			50	22.36	0.14	22.50	<=39	Pass
		100	0	22.37	0.14	22.51	<=39	Pass
16QAM	3560	1	0	22.49	0.14	22.63	<=39	Pass



64QAM	3625	50	50	22.53	0.14	22.67	<=39	Pass
			99	22.41	0.14	22.55	<=39	Pass
			0	21.51	0.14	21.65	<=39	Pass
			25	21.48	0.14	21.62	<=39	Pass
			50	21.45	0.14	21.59	<=39	Pass
		100	0	21.53	0.14	21.67	<=39	Pass
		1	0	22.17	0.14	22.31	<=39	Pass
			50	22.31	0.14	22.45	<=39	Pass
			99	21.94	0.14	22.08	<=39	Pass
			0	21.34	0.14	21.48	<=39	Pass
			25	21.29	0.14	21.43	<=39	Pass
			50	21.23	0.14	21.37	<=39	Pass
		100	0	21.20	0.14	21.34	<=39	Pass
	3690	1	0	22.21	0.14	22.35	<=39	Pass
			50	22.42	0.14	22.56	<=39	Pass
			99	22.11	0.14	22.25	<=39	Pass
			0	21.29	0.14	21.43	<=39	Pass
			25	21.44	0.14	21.58	<=39	Pass
		50	50	21.34	0.14	21.48	<=39	Pass
			0	21.37	0.14	21.51	<=39	Pass
			0	22.48	0.14	22.62	<=39	Pass
			50	22.50	0.14	22.64	<=39	Pass
			99	22.39	0.14	22.53	<=39	Pass
		50	0	21.53	0.14	21.67	<=39	Pass
			25	20.44	0.14	20.58	<=39	Pass
			50	20.38	0.14	20.52	<=39	Pass
		100	0	20.46	0.14	20.60	<=39	Pass
	3625	1	0	21.12	0.14	21.26	<=39	Pass
			50	21.32	0.14	21.46	<=39	Pass
			99	20.82	0.14	20.96	<=39	Pass
			0	20.32	0.14	20.46	<=39	Pass
			25	20.26	0.14	20.40	<=39	Pass
		50	50	20.13	0.14	20.27	<=39	Pass
			0	20.17	0.14	20.31	<=39	Pass
			0	21.94	0.14	22.08	<=39	Pass
			50	22.40	0.14	22.54	<=39	Pass
			99	22.14	0.14	22.28	<=39	Pass
		50	0	21.30	0.14	21.44	<=39	Pass
			25	21.43	0.14	21.57	<=39	Pass
			50	21.22	0.14	21.36	<=39	Pass
		100	0	21.31	0.14	21.45	<=39	Pass

Note1: EIRP=Conducted Power+Antenna Gain

3. Frequency Stability

3.1 Test Result

3.1.1 B48_5MHz

Band: 48 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3552.5	25	0	20	3.27	3.100	0.0009	-2.5 to 2.5	Pass
					3.85	2.700	0.0008	-2.5 to 2.5	Pass
					4.43	-3.000	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.300	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.000	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-1.000	-0.0003	-2.5 to 2.5	Pass
				0	3.85	0.100	0.0000	-2.5 to 2.5	Pass



				10	3.85	0.800	0.0002	-2.5 to 2.5	Pass
				30	3.85	2.500	0.0007	-2.5 to 2.5	Pass
				40	3.85	2.800	0.0008	-2.5 to 2.5	Pass
				50	3.85	0.100	0.0000	-2.5 to 2.5	Pass
	3625	25	0	20	3.27	0.300	0.0001	-2.5 to 2.5	Pass
					3.85	-3.700	-0.0010	-2.5 to 2.5	Pass
					4.43	-2.600	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.600	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-2.900	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.900	0.0002	-2.5 to 2.5	Pass
				0	3.85	-1.700	-0.0005	-2.5 to 2.5	Pass
				10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				30	3.85	1.300	0.0004	-2.5 to 2.5	Pass
				40	3.85	3.800	0.0010	-2.5 to 2.5	Pass
				50	3.85	0.400	0.0001	-2.5 to 2.5	Pass
	3697.5	25	0	20	3.27	2.200	0.0006	-2.5 to 2.5	Pass
					3.85	1.100	0.0003	-2.5 to 2.5	Pass
					4.43	-1.500	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-2.300	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.400	0.0001	-2.5 to 2.5	Pass
				-10	3.85	1.800	0.0005	-2.5 to 2.5	Pass
				0	3.85	1.000	0.0003	-2.5 to 2.5	Pass
				10	3.85	1.100	0.0003	-2.5 to 2.5	Pass
				30	3.85	3.300	0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.500	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-2.100	-0.0006	-2.5 to 2.5	Pass
16QAM	3552.5	25	0	20	3.27	0.000	0.0000	-2.5 to 2.5	Pass
					3.85	0.200	0.0001	-2.5 to 2.5	Pass
					4.43	-1.200	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.500	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.000	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-1.700	-0.0005	-2.5 to 2.5	Pass
				0	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				10	3.85	-2.500	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-1.100	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-1.100	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.900	-0.0003	-2.5 to 2.5	Pass
	3625	25	0	20	3.27	0.700	0.0002	-2.5 to 2.5	Pass
					3.85	0.000	0.0000	-2.5 to 2.5	Pass
					4.43	0.600	0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-2.000	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.600	-0.0004	-2.5 to 2.5	Pass
				0	3.85	2.600	0.0007	-2.5 to 2.5	Pass
				10	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				30	3.85	-5.300	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-1.700	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-1.500	-0.0004	-2.5 to 2.5	Pass
	3697.5	25	0	20	3.27	2.000	0.0005	-2.5 to 2.5	Pass
					3.85	2.300	0.0006	-2.5 to 2.5	Pass
					4.43	-2.700	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	1.400	0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.300	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.100	0.0000	-2.5 to 2.5	Pass
				0	3.85	5.100	0.0014	-2.5 to 2.5	Pass
				10	3.85	1.100	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.100	0.0000	-2.5 to 2.5	Pass
				40	3.85	-2.400	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
64QAM	3552.5	25	0	20	3.27	-17.100	-0.0048	-2.5 to 2.5	Pass
					3.85	-31.200	-0.0088	-2.5 to 2.5	Pass
					4.43	-53.000	-0.0149	-2.5 to 2.5	Pass



				-30	3.85	-14.400	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	26.500	0.0075	-2.5 to 2.5	Pass
				-10	3.85	-0.900	-0.0003	-2.5 to 2.5	Pass
				0	3.85	13.000	0.0037	-2.5 to 2.5	Pass
				10	3.85	44.000	0.0124	-2.5 to 2.5	Pass
				30	3.85	30.700	0.0086	-2.5 to 2.5	Pass
				40	3.85	-24.700	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-29.900	-0.0084	-2.5 to 2.5	Pass
	3625	25	0	20	3.27	-39.100	-0.0108	-2.5 to 2.5	Pass
					3.85	-10.900	-0.0030	-2.5 to 2.5	Pass
					4.43	11.700	0.0032	-2.5 to 2.5	Pass
				-30	3.85	-31.300	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	19.100	0.0053	-2.5 to 2.5	Pass
				-10	3.85	1.600	0.0004	-2.5 to 2.5	Pass
				0	3.85	15.100	0.0042	-2.5 to 2.5	Pass
				10	3.85	-17.200	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-28.900	-0.0080	-2.5 to 2.5	Pass
				40	3.85	-18.500	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-15.100	-0.0042	-2.5 to 2.5	Pass
	3697.5	25	0	20	3.27	-12.300	-0.0033	-2.5 to 2.5	Pass
					3.85	-18.700	-0.0051	-2.5 to 2.5	Pass
					4.43	47.300	0.0128	-2.5 to 2.5	Pass
				-30	3.85	-10.400	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	10.900	0.0029	-2.5 to 2.5	Pass
				-10	3.85	16.800	0.0045	-2.5 to 2.5	Pass
				0	3.85	-19.300	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-22.400	-0.0061	-2.5 to 2.5	Pass
				30	3.85	-26.000	-0.0070	-2.5 to 2.5	Pass
				40	3.85	-24.000	-0.0065	-2.5 to 2.5	Pass
				50	3.85	4.200	0.0011	-2.5 to 2.5	Pass

3.1.2 B48_10MHz

Band: 48 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3555	50	0	20	3.27	-1.500	-0.0004	-2.5 to 2.5	Pass
					3.85	-0.700	-0.0002	-2.5 to 2.5	Pass
					4.43	-2.900	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-2.200	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.400	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.300	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.300	-0.0004	-2.5 to 2.5	Pass
				10	3.85	0.600	0.0002	-2.5 to 2.5	Pass
				30	3.85	-3.800	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.400	-0.0001	-2.5 to 2.5	Pass
				50	3.85	0.300	0.0001	-2.5 to 2.5	Pass
	3625	50	0	20	3.27	-1.500	-0.0004	-2.5 to 2.5	Pass
					3.85	-1.200	-0.0003	-2.5 to 2.5	Pass
					4.43	-1.600	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.800	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.300	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.100	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-3.200	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-2.200	-0.0006	-2.5 to 2.5	Pass
				30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				40	3.85	-1.700	-0.0005	-2.5 to 2.5	Pass
				50	3.85	1.500	0.0004	-2.5 to 2.5	Pass
	3695	50	0	20	3.27	1.000	0.0003	-2.5 to 2.5	Pass
					3.85	-0.800	-0.0002	-2.5 to 2.5	Pass
					4.43	1.000	0.0003	-2.5 to 2.5	Pass



				-30	3.85	3.200	0.0009	-2.5 to 2.5	Pass
				-20	3.85	2.100	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.900	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.800	0.0002	-2.5 to 2.5	Pass
				10	3.85	1.000	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				50	3.85	4.100	0.0011	-2.5 to 2.5	Pass
16QAM	3555	50	0	20	3.27	3.200	0.0009	-2.5 to 2.5	Pass
					3.85	1.500	0.0004	-2.5 to 2.5	Pass
					4.43	-1.300	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	3.000	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-0.400	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.500	0.0001	-2.5 to 2.5	Pass
				10	3.85	-3.100	-0.0009	-2.5 to 2.5	Pass
	3625	50	0	30	3.85	-2.500	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.100	0.0000	-2.5 to 2.5	Pass
				50	3.85	-1.800	-0.0005	-2.5 to 2.5	Pass
				20	3.27	-2.600	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.400	-0.0001	-2.5 to 2.5	Pass
					4.43	-2.000	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.500	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-4.100	-0.0011	-2.5 to 2.5	Pass
	3695	50	0	-10	3.85	-0.300	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-3.900	-0.0011	-2.5 to 2.5	Pass
				10	3.85	0.400	0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.000	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-1.500	-0.0004	-2.5 to 2.5	Pass
				50	3.85	1.000	0.0003	-2.5 to 2.5	Pass
				20	3.27	0.700	0.0002	-2.5 to 2.5	Pass
					3.85	2.300	0.0006	-2.5 to 2.5	Pass
					4.43	2.100	0.0006	-2.5 to 2.5	Pass
64QAM	3555	50	0	-30	3.85	1.900	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-2.500	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.900	0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.100	0.0000	-2.5 to 2.5	Pass
				10	3.85	2.800	0.0008	-2.5 to 2.5	Pass
				30	3.85	0.300	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				50	3.85	2.000	0.0005	-2.5 to 2.5	Pass
	3625	50	0	20	3.27	7.600	0.0021	-2.5 to 2.5	Pass
					3.85	-18.500	-0.0052	-2.5 to 2.5	Pass
					4.43	0.900	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.400	0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.900	0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.500	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.100	0.0000	-2.5 to 2.5	Pass
	3625	50	0	30	3.85	-2.900	-0.0008	-2.5 to 2.5	Pass
				40	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				50	3.85	-3.900	-0.0011	-2.5 to 2.5	Pass
				20	3.27	-28.400	-0.0078	-2.5 to 2.5	Pass
					3.85	-9.800	-0.0027	-2.5 to 2.5	Pass
					4.43	6.000	0.0017	-2.5 to 2.5	Pass
				-30	3.85	14.000	0.0039	-2.5 to 2.5	Pass
				-20	3.85	8.200	0.0023	-2.5 to 2.5	Pass
				-10	3.85	8.500	0.0023	-2.5 to 2.5	Pass
				0	3.85	24.000	0.0066	-2.5 to 2.5	Pass
				10	3.85	-14.800	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-0.400	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-22.400	-0.0062	-2.5 to 2.5	Pass



	3695	50	0	50	3.85	5.400	0.0015	-2.5 to 2.5	Pass
				20	3.27	-17.100	-0.0046	-2.5 to 2.5	Pass
					3.85	-9.500	-0.0026	-2.5 to 2.5	Pass
					4.43	9.600	0.0026	-2.5 to 2.5	Pass
				-30	3.85	15.800	0.0043	-2.5 to 2.5	Pass
				-20	3.85	-4.000	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	12.300	0.0033	-2.5 to 2.5	Pass
				0	3.85	6.900	0.0019	-2.5 to 2.5	Pass
				10	3.85	18.400	0.0050	-2.5 to 2.5	Pass
				30	3.85	10.500	0.0028	-2.5 to 2.5	Pass
				40	3.85	-24.000	-0.0065	-2.5 to 2.5	Pass
				50	3.85	13.900	0.0038	-2.5 to 2.5	Pass

3.1.3 B48_15MHz

Band: 48 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3557.5	75	0	20	3.27	-1.400	-0.0004	-2.5 to 2.5	Pass
					3.85	0.400	0.0001	-2.5 to 2.5	Pass
					4.43	-1.500	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-3.000	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-0.900	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-1.800	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				30	3.85	1.000	0.0003	-2.5 to 2.5	Pass
				40	3.85	1.400	0.0004	-2.5 to 2.5	Pass
				50	3.85	2.500	0.0007	-2.5 to 2.5	Pass
	3625	75	0	20	3.27	-3.100	-0.0009	-2.5 to 2.5	Pass
					3.85	0.600	0.0002	-2.5 to 2.5	Pass
					4.43	1.000	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.700	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	4.600	0.0013	-2.5 to 2.5	Pass
				0	3.85	-3.500	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-0.100	0.0000	-2.5 to 2.5	Pass
				30	3.85	-1.200	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-1.100	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.300	-0.0001	-2.5 to 2.5	Pass
	3692.5	75	0	20	3.27	-1.800	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.600	-0.0002	-2.5 to 2.5	Pass
					4.43	2.700	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-2.200	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.400	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	1.100	0.0003	-2.5 to 2.5	Pass
				0	3.85	-1.500	-0.0004	-2.5 to 2.5	Pass
				10	3.85	0.600	0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.400	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.900	0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.600	-0.0002	-2.5 to 2.5	Pass
16QAM	3557.5	75	0	20	3.27	0.400	0.0001	-2.5 to 2.5	Pass
					3.85	-0.800	-0.0002	-2.5 to 2.5	Pass
					4.43	2.800	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.600	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	2.800	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.900	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.800	-0.0002	-2.5 to 2.5	Pass
				10	3.85	0.700	0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.700	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.500	-0.0001	-2.5 to 2.5	Pass



				50	3.85	-0.500	-0.0001	-2.5 to 2.5	Pass	
	3625	75	0	20	3.27	-0.600	-0.0002	-2.5 to 2.5	Pass	
					3.85	1.600	0.0004	-2.5 to 2.5	Pass	
					4.43	-1.600	-0.0004	-2.5 to 2.5	Pass	
					-30	3.85	-1.400	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-1.500	-0.0004	-2.5 to 2.5	Pass	
				-10	3.85	2.100	0.0006	-2.5 to 2.5	Pass	
				0	3.85	0.400	0.0001	-2.5 to 2.5	Pass	
				10	3.85	-1.900	-0.0005	-2.5 to 2.5	Pass	
				30	3.85	0.900	0.0002	-2.5 to 2.5	Pass	
				40	3.85	-1.800	-0.0005	-2.5 to 2.5	Pass	
				50	3.85	-1.000	-0.0003	-2.5 to 2.5	Pass	
	3692.5	75	0	20	3.27	-1.200	-0.0003	-2.5 to 2.5	Pass	
					3.85	4.400	0.0012	-2.5 to 2.5	Pass	
					4.43	-0.500	-0.0001	-2.5 to 2.5	Pass	
					-30	3.85	-2.200	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.300	-0.0001	-2.5 to 2.5	Pass	
				-10	3.85	4.000	0.0011	-2.5 to 2.5	Pass	
				0	3.85	0.300	0.0001	-2.5 to 2.5	Pass	
				10	3.85	-4.400	-0.0012	-2.5 to 2.5	Pass	
				30	3.85	1.500	0.0004	-2.5 to 2.5	Pass	
				40	3.85	-3.400	-0.0009	-2.5 to 2.5	Pass	
				50	3.85	0.200	0.0001	-2.5 to 2.5	Pass	
	64QAM	3557.5	75	0	20	3.27	-18.600	-0.0052	-2.5 to 2.5	Pass
						3.85	-8.800	-0.0025	-2.5 to 2.5	Pass
						4.43	3.000	0.0008	-2.5 to 2.5	Pass
						-30	3.85	-19.800	-0.0056	-2.5 to 2.5
					-20	3.85	0.400	0.0001	-2.5 to 2.5	Pass
-10					3.85	-10.000	-0.0028	-2.5 to 2.5	Pass	
0					3.85	-1.000	-0.0003	-2.5 to 2.5	Pass	
10					3.85	-17.600	-0.0049	-2.5 to 2.5	Pass	
30					3.85	-9.100	-0.0026	-2.5 to 2.5	Pass	
40					3.85	-1.500	-0.0004	-2.5 to 2.5	Pass	
50					3.85	-20.200	-0.0057	-2.5 to 2.5	Pass	
3625		75	0	20	3.27	-5.800	-0.0016	-2.5 to 2.5	Pass	
					3.85	2.800	0.0008	-2.5 to 2.5	Pass	
					4.43	-16.600	-0.0046	-2.5 to 2.5	Pass	
					-30	3.85	-2.600	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.100	0.0000	-2.5 to 2.5	Pass	
				-10	3.85	12.400	0.0034	-2.5 to 2.5	Pass	
				0	3.85	3.800	0.0010	-2.5 to 2.5	Pass	
				10	3.85	1.400	0.0004	-2.5 to 2.5	Pass	
				30	3.85	-14.500	-0.0040	-2.5 to 2.5	Pass	
				40	3.85	-16.900	-0.0047	-2.5 to 2.5	Pass	
				50	3.85	-31.900	-0.0088	-2.5 to 2.5	Pass	
3692.5		75	0	20	3.27	-11.300	-0.0031	-2.5 to 2.5	Pass	
					3.85	1.800	0.0005	-2.5 to 2.5	Pass	
					4.43	19.800	0.0054	-2.5 to 2.5	Pass	
					-30	3.85	14.000	0.0038	-2.5 to 2.5	Pass
				-20	3.85	8.400	0.0023	-2.5 to 2.5	Pass	
				-10	3.85	-12.600	-0.0034	-2.5 to 2.5	Pass	
	0			3.85	-13.500	-0.0037	-2.5 to 2.5	Pass		
	10			3.85	7.800	0.0021	-2.5 to 2.5	Pass		
	30			3.85	-14.700	-0.0040	-2.5 to 2.5	Pass		
	40			3.85	-15.000	-0.0041	-2.5 to 2.5	Pass		
	50			3.85	12.500	0.0034	-2.5 to 2.5	Pass		

3.1.4 B48_20MHz

Band: 48 / Bandwidth: 20MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict



	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	3560	100	0	20	3.27	3.000	0.0008	-2.5 to 2.5	Pass
					3.85	0.800	0.0002	-2.5 to 2.5	Pass
					4.43	2.100	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-3.400	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.300	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.100	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-2.400	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.800	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.300	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-3.200	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-2.700	-0.0008	-2.5 to 2.5	Pass
	3625	100	0	20	3.27	-3.400	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.300	-0.0004	-2.5 to 2.5	Pass
					4.43	-1.200	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-2.500	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	1.200	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-3.900	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-5.800	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-0.400	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.700	-0.0005	-2.5 to 2.5	Pass
				40	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				50	3.85	-1.800	-0.0005	-2.5 to 2.5	Pass
	3690	100	0	20	3.27	1.300	0.0004	-2.5 to 2.5	Pass
					3.85	1.800	0.0005	-2.5 to 2.5	Pass
					4.43	1.900	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.000	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	2.200	0.0006	-2.5 to 2.5	Pass
				-10	3.85	2.700	0.0007	-2.5 to 2.5	Pass
				0	3.85	0.900	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				30	3.85	-2.700	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.500	-0.0001	-2.5 to 2.5	Pass
16QAM	3560	100	0	20	3.27	-3.800	-0.0011	-2.5 to 2.5	Pass
					3.85	3.300	0.0009	-2.5 to 2.5	Pass
					4.43	-3.100	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-1.400	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-4.600	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	0.100	0.0000	-2.5 to 2.5	Pass
				0	3.85	-1.000	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-2.900	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-2.000	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-3.900	-0.0011	-2.5 to 2.5	Pass
				50	3.85	0.400	0.0001	-2.5 to 2.5	Pass
	3625	100	0	20	3.27	-2.000	-0.0006	-2.5 to 2.5	Pass
					3.85	-1.800	-0.0005	-2.5 to 2.5	Pass
					4.43	-2.500	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.600	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-3.300	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.300	-0.0004	-2.5 to 2.5	Pass
				0	3.85	2.300	0.0006	-2.5 to 2.5	Pass
				10	3.85	2.600	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				40	3.85	1.400	0.0004	-2.5 to 2.5	Pass
				50	3.85	1.600	0.0004	-2.5 to 2.5	Pass
	3690	100	0	20	3.27	-1.900	-0.0005	-2.5 to 2.5	Pass
					3.85	-3.000	-0.0008	-2.5 to 2.5	Pass
					4.43	-2.800	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.600	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.800	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.300	-0.0001	-2.5 to 2.5	Pass



64QAM				0	3.85	0.100	0.0000	-2.5 to 2.5	Pass
				10	3.85	1.500	0.0004	-2.5 to 2.5	Pass
				30	3.85	-5.600	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-0.100	0.0000	-2.5 to 2.5	Pass
				50	3.85	1.700	0.0005	-2.5 to 2.5	Pass
	3560	100	0	20	3.27	1.800	0.0005	-2.5 to 2.5	Pass
					3.85	-16.100	-0.0045	-2.5 to 2.5	Pass
					4.43	1.100	0.0003	-2.5 to 2.5	Pass
				-30	3.85	6.500	0.0018	-2.5 to 2.5	Pass
				-20	3.85	10.500	0.0029	-2.5 to 2.5	Pass
				-10	3.85	-17.600	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-25.000	-0.0070	-2.5 to 2.5	Pass
				10	3.85	-7.600	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-3.600	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-2.500	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-2.900	-0.0008	-2.5 to 2.5	Pass
	3625	100	0	20	3.27	-20.300	-0.0056	-2.5 to 2.5	Pass
					3.85	-2.700	-0.0007	-2.5 to 2.5	Pass
					4.43	9.300	0.0026	-2.5 to 2.5	Pass
				-30	3.85	5.000	0.0014	-2.5 to 2.5	Pass
				-20	3.85	-7.100	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-25.200	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-12.200	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-15.500	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-3.400	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-10.300	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-3.300	-0.0009	-2.5 to 2.5	Pass
	3690	100	0	20	3.27	-0.400	-0.0001	-2.5 to 2.5	Pass
					3.85	6.200	0.0017	-2.5 to 2.5	Pass
					4.43	-18.600	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-14.900	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-3.200	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-7.100	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-7.900	-0.0021	-2.5 to 2.5	Pass
				10	3.85	8.300	0.0022	-2.5 to 2.5	Pass
				30	3.85	-5.200	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-14.400	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-15.600	-0.0042	-2.5 to 2.5	Pass

4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band48_OBW

Band: 48 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3552.5	25	0	4.524	/	Pass
		3625	25	0	4.515	/	Pass
		3697.5	25	0	4.515	/	Pass
	16QAM	3552.5	25	0	4.537	/	Pass
		3625	25	0	4.510	/	Pass
		3697.5	25	0	4.522	/	Pass
	64QAM	3552.5	25	0	4.520	/	Pass
		3625	25	0	4.526	/	Pass
		3697.5	25	0	4.515	/	Pass
10	QPSK	3555	50	0	9.027	/	Pass
		3625	50	0	9.025	/	Pass



	16QAM	3695	50	0	8.983	/	Pass
		3555	50	0	9.027	/	Pass
		3625	50	0	8.992	/	Pass
	64QAM	3695	50	0	9.047	/	Pass
		3555	50	0	9.033	/	Pass
		3625	50	0	9.030	/	Pass
	QPSK	3695	50	0	9.023	/	Pass
		3557.5	75	0	13.492	/	Pass
		3625	75	0	13.505	/	Pass
15	16QAM	3692.5	75	0	13.467	/	Pass
		3557.5	75	0	13.488	/	Pass
		3625	75	0	13.534	/	Pass
	64QAM	3692.5	75	0	13.471	/	Pass
		3557.5	75	0	13.493	/	Pass
		3625	75	0	13.498	/	Pass
	QPSK	3692.5	75	0	13.525	/	Pass
		3560	100	0	17.986	/	Pass
		3625	100	0	18.068	/	Pass
20	16QAM	3690	100	0	18.045	/	Pass
		3560	100	0	18.044	/	Pass
		3625	100	0	18.034	/	Pass
	64QAM	3690	100	0	18.001	/	Pass
		3560	100	0	17.965	/	Pass
		3625	100	0	17.996	/	Pass
	QPSK	3690	100	0	18.001	/	Pass

4.1.2 Band48_XDB

Band: 48 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3552.5	25	0	5.166	/	Pass
		3625	25	0	5.109	/	Pass
		3697.5	25	0	5.158	/	Pass
	16QAM	3552.5	25	0	5.145	/	Pass
		3625	25	0	5.132	/	Pass
		3697.5	25	0	5.100	/	Pass
	64QAM	3552.5	25	0	5.177	/	Pass
		3625	25	0	5.117	/	Pass
		3697.5	25	0	5.134	/	Pass
10	QPSK	3555	50	0	9.916	/	Pass
		3625	50	0	9.908	/	Pass
		3695	50	0	10.008	/	Pass
	16QAM	3555	50	0	9.906	/	Pass
		3625	50	0	10.000	/	Pass
		3695	50	0	9.931	/	Pass
	64QAM	3555	50	0	9.820	/	Pass
		3625	50	0	9.915	/	Pass
		3695	50	0	9.889	/	Pass
15	QPSK	3557.5	75	0	14.623	/	Pass
		3625	75	0	14.811	/	Pass
		3692.5	75	0	14.880	/	Pass
	16QAM	3557.5	75	0	14.660	/	Pass
		3625	75	0	14.569	/	Pass
		3692.5	75	0	14.757	/	Pass
	64QAM	3557.5	75	0	14.713	/	Pass
		3625	75	0	14.557	/	Pass
		3692.5	75	0	14.560	/	Pass
20	QPSK	3560	100	0	19.540	/	Pass
		3625	100	0	19.714	/	Pass
		3690	100	0	20.082	/	Pass



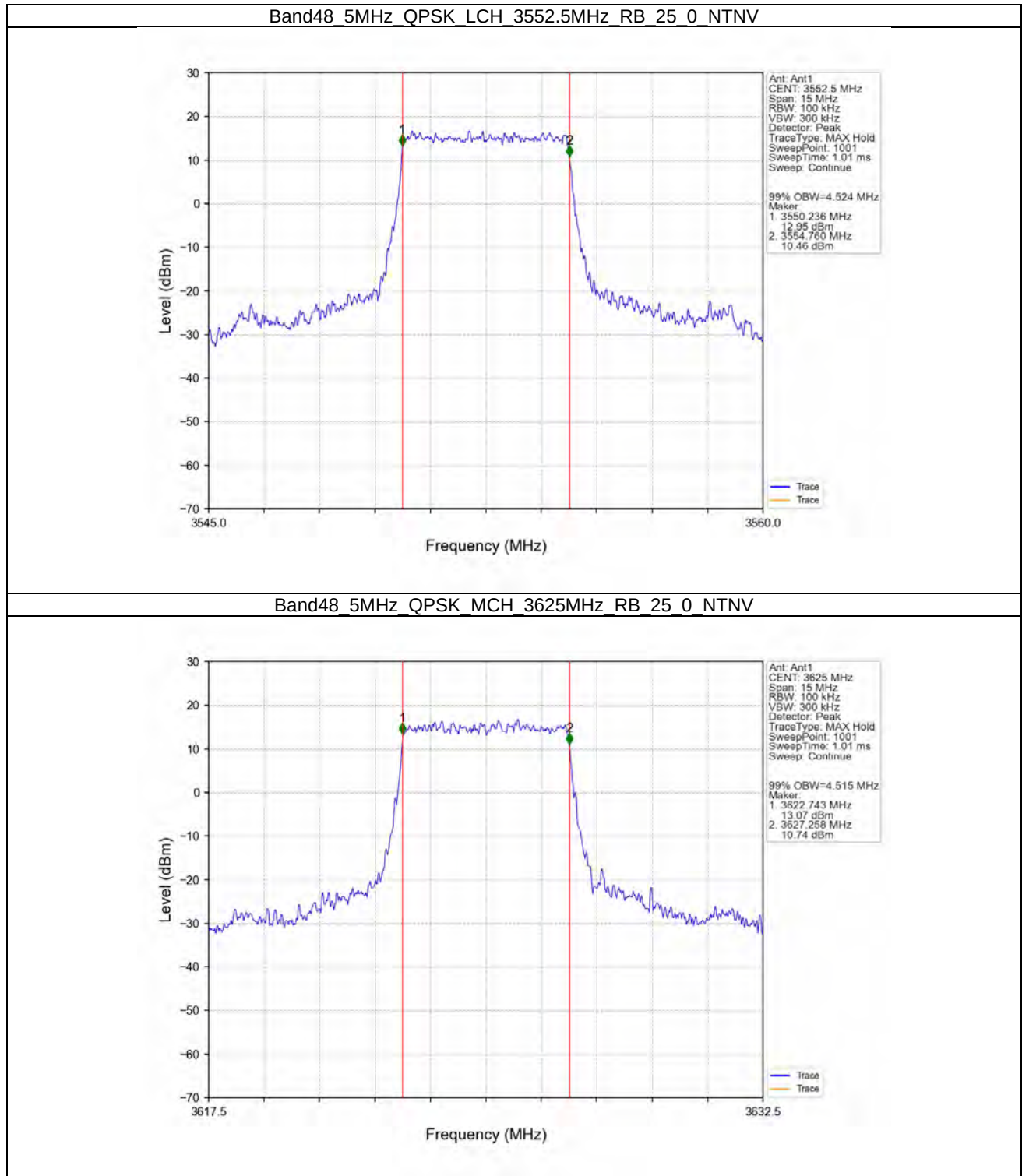
No.: PSU-NQN2412170317RF01
FCC ID: 2AANY-ER815NRQ3

	16QAM	3560	100	0	19.729	/	Pass
		3625	100	0	19.731	/	Pass
		3690	100	0	19.886	/	Pass
	64QAM	3560	100	0	19.958	/	Pass
		3625	100	0	19.837	/	Pass
		3690	100	0	19.790	/	Pass



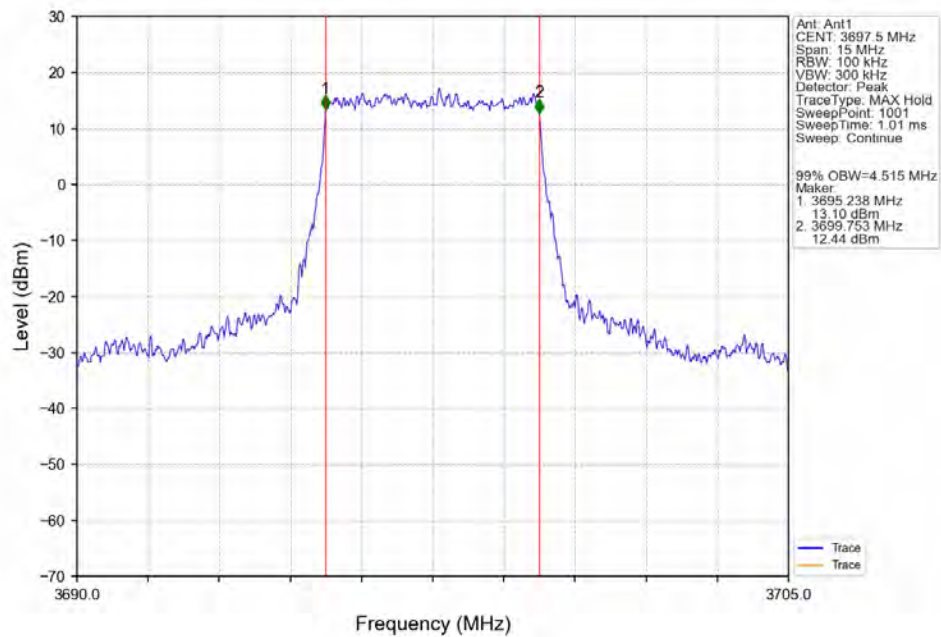
4.2 Test Graph

4.2.1 Band48_OBW

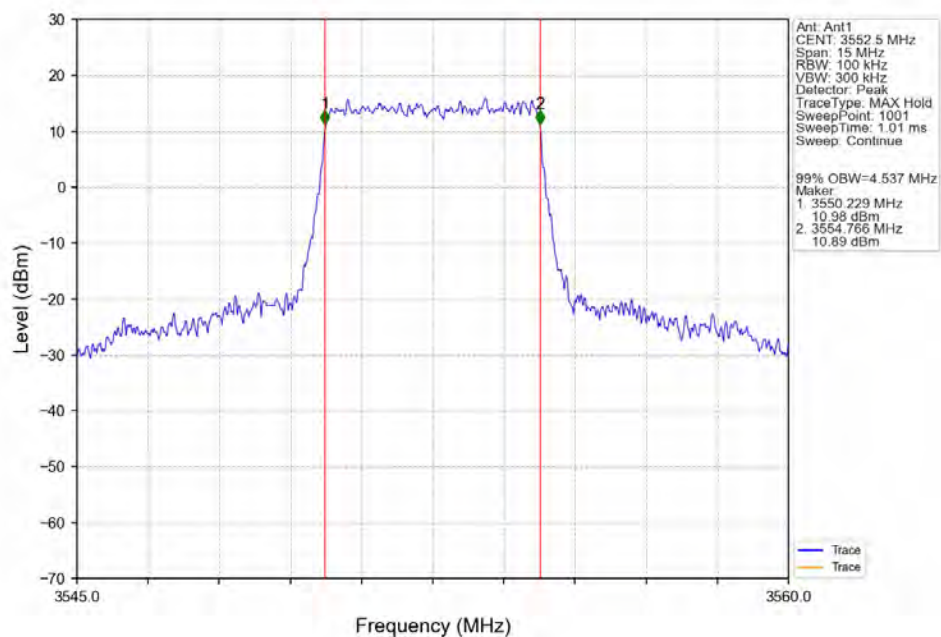




Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV

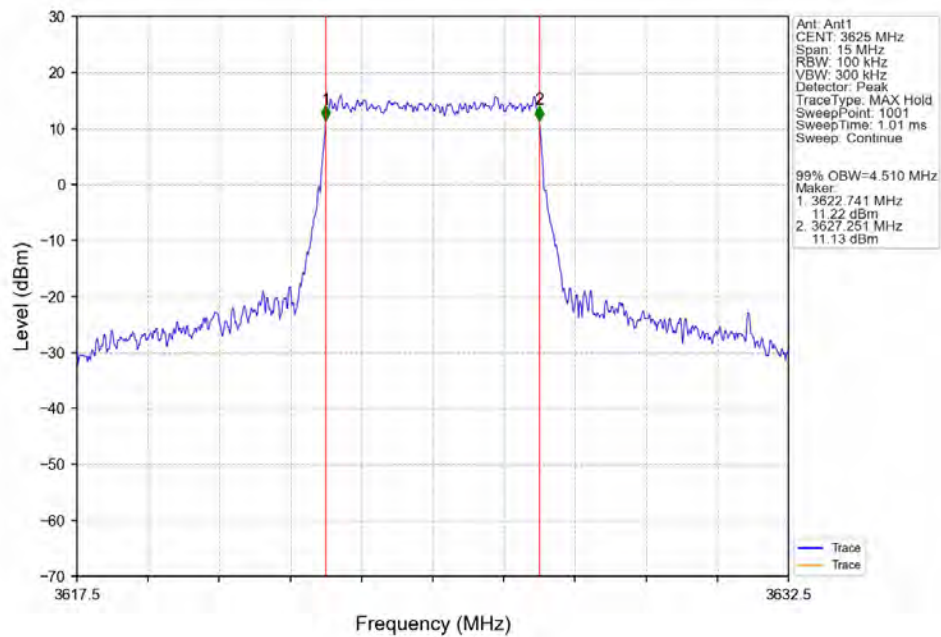


Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV

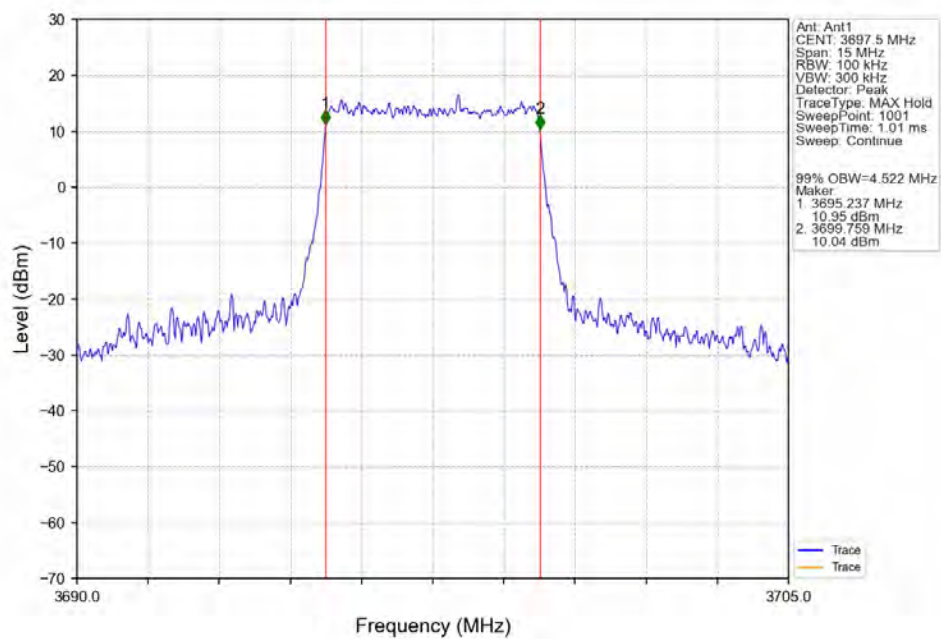




Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV

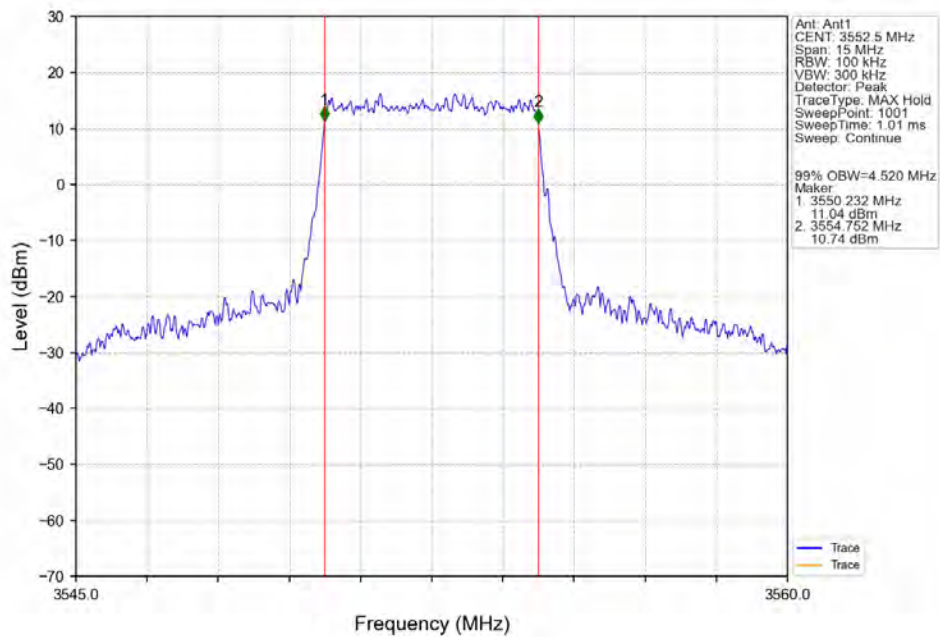


Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV

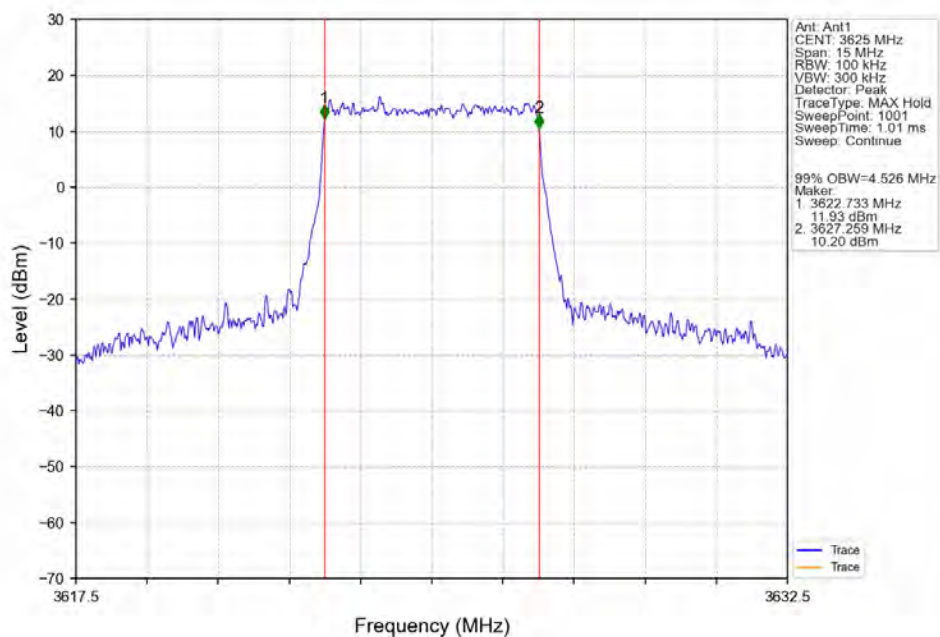




Band48_5MHz_64QAM_LCH_3552.5MHz_RB_25_0_NTNV

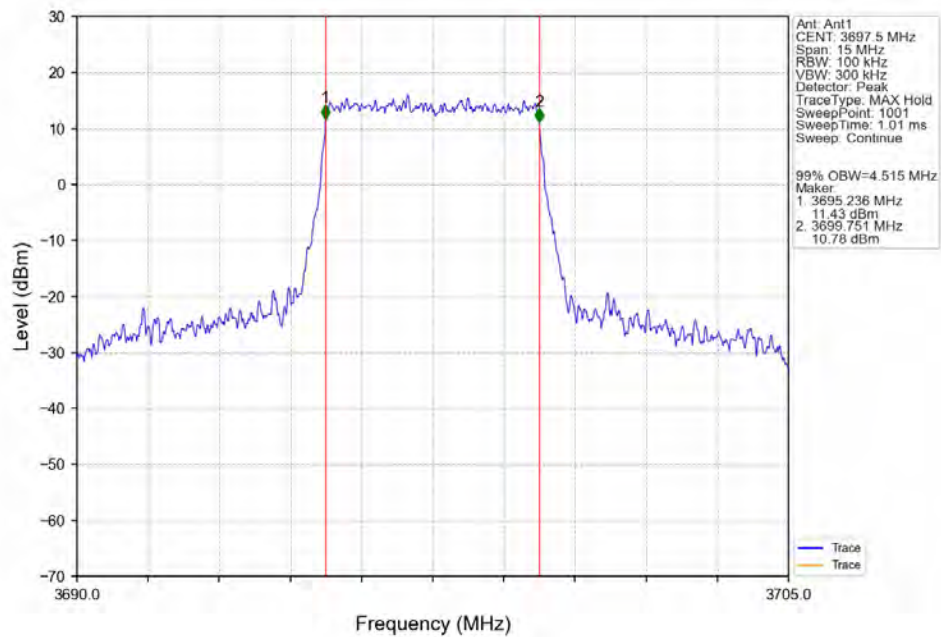


Band48_5MHz_64QAM_MCH_3625MHz_RB_25_0_NTNV

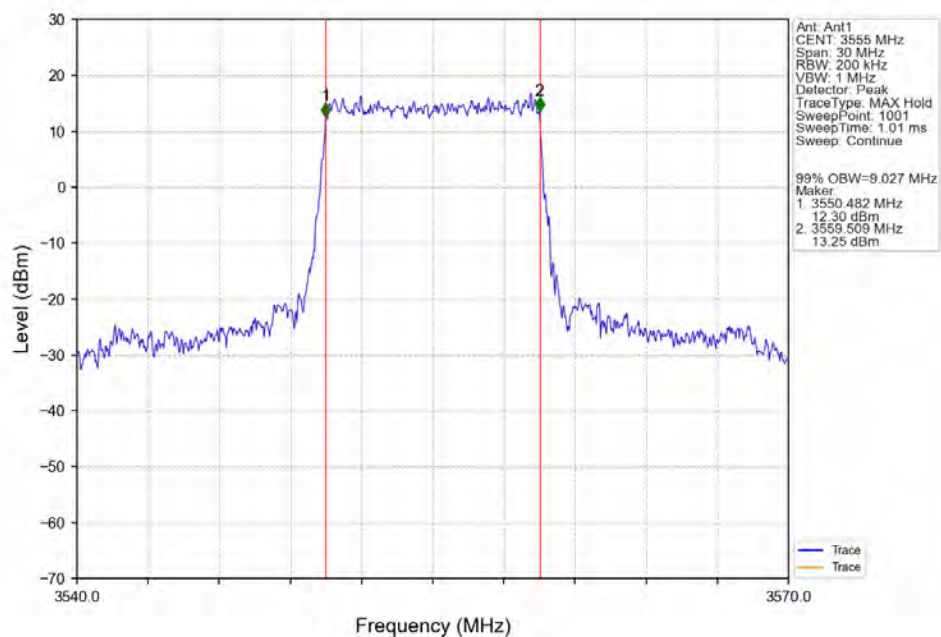




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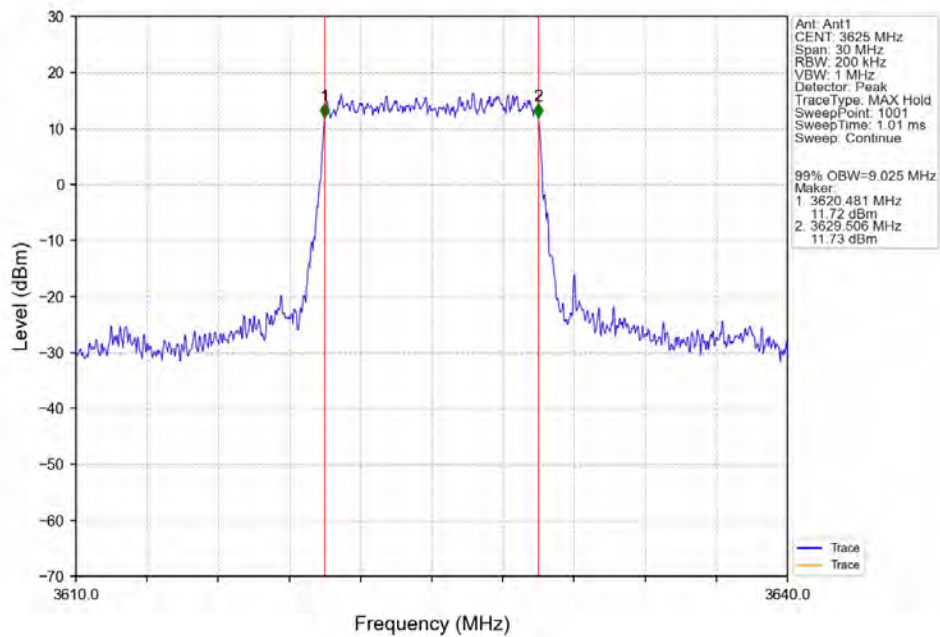


Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV

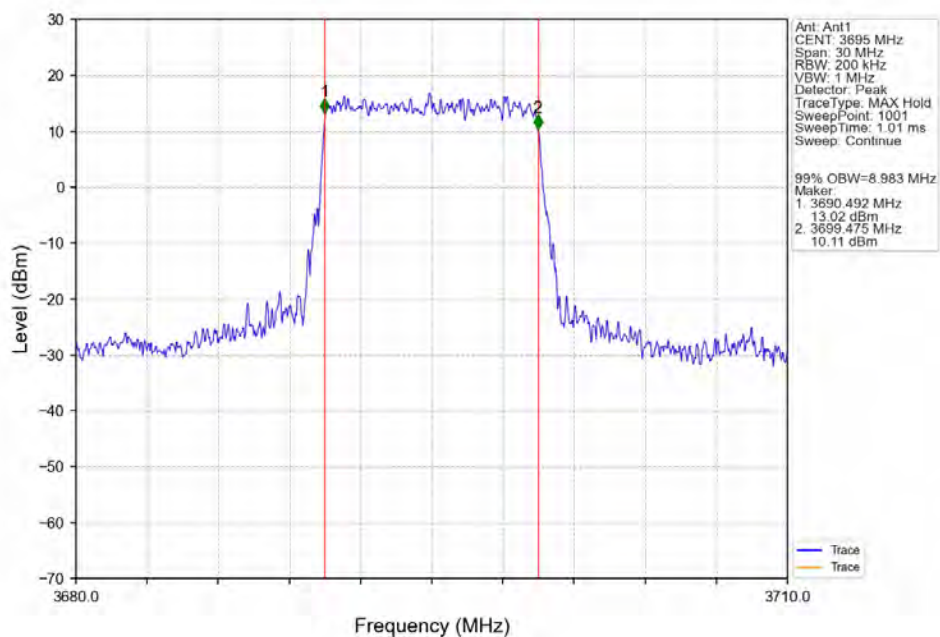




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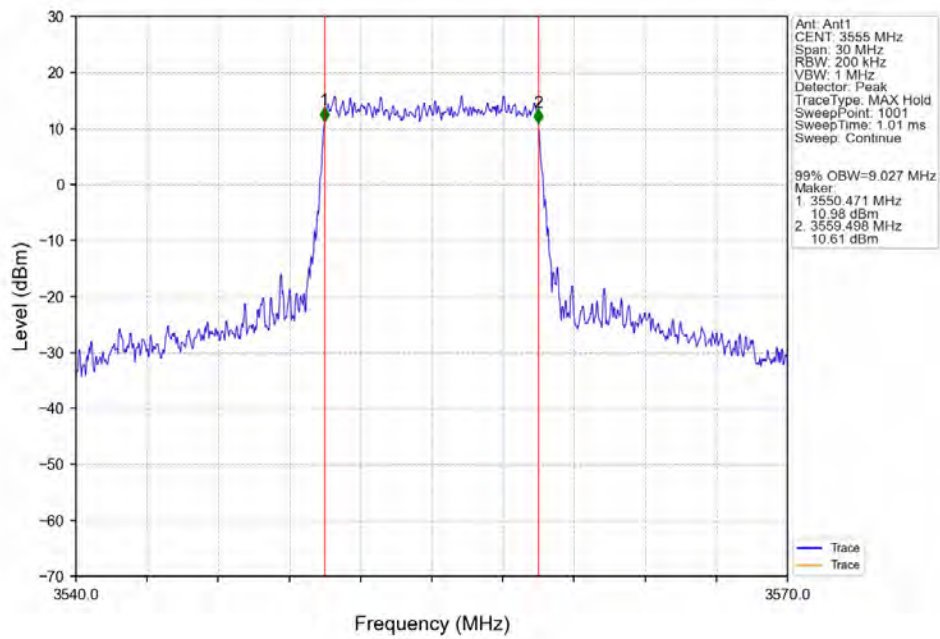


Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV

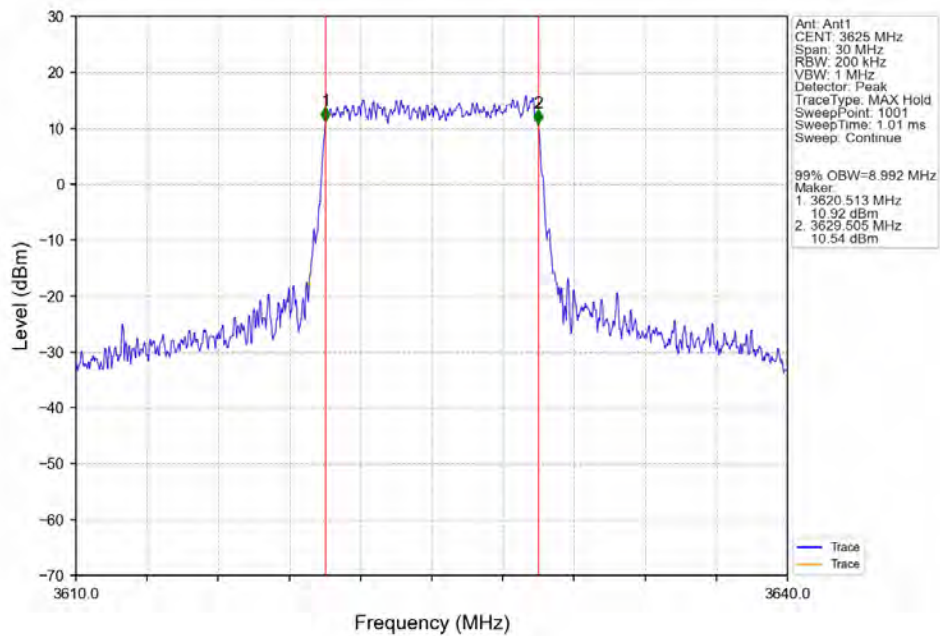




Band48_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV

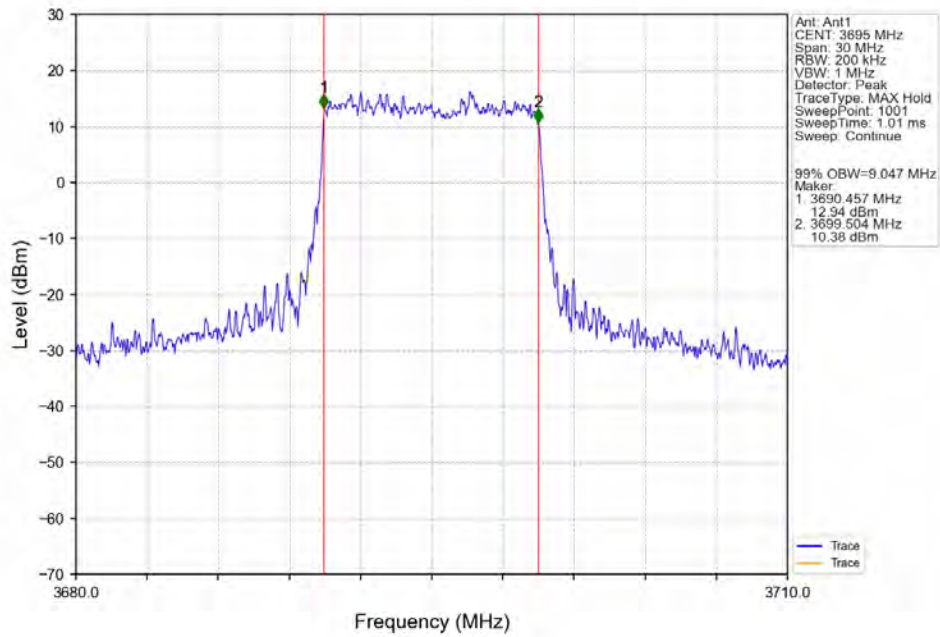


Band48_10MHz_16QAM_MCH_3625MHz_RB_50_0_NTNV

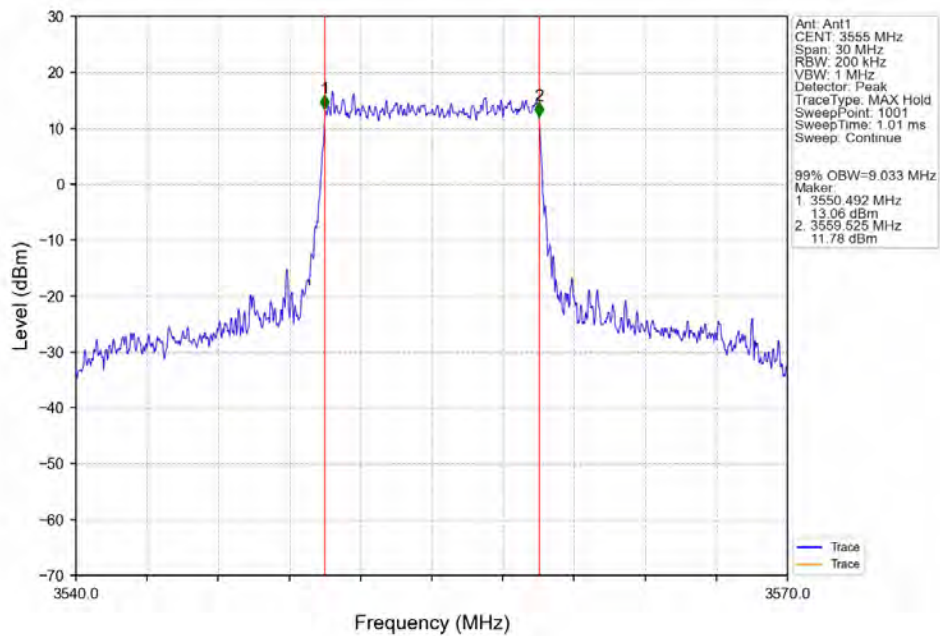




Band48_10MHz_16QAM_HCH_3695MHz_RB_50_0_NTNV

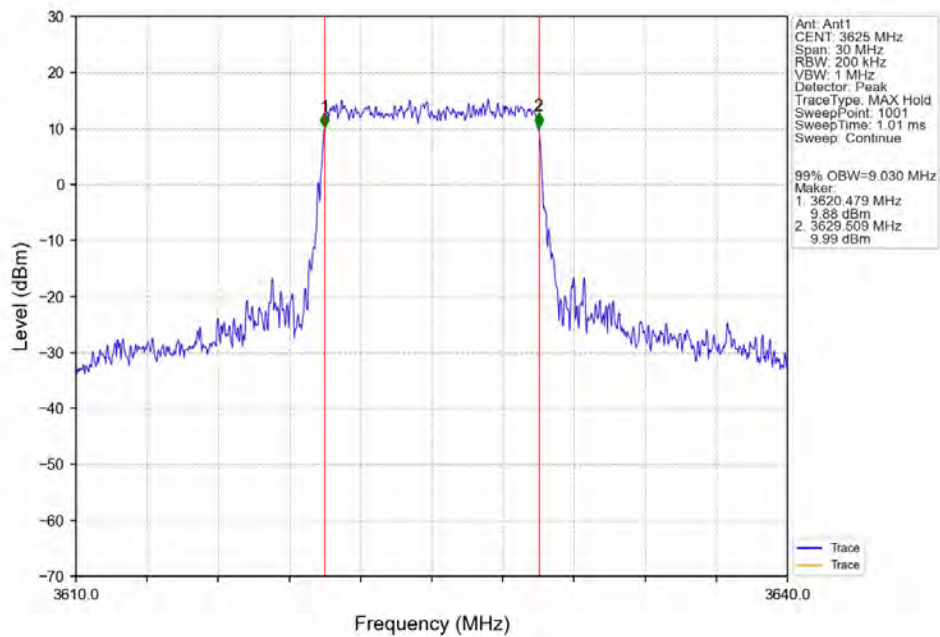


Band48_10MHz_64QAM_LCH_3555MHz_RB_50_0_NTNV

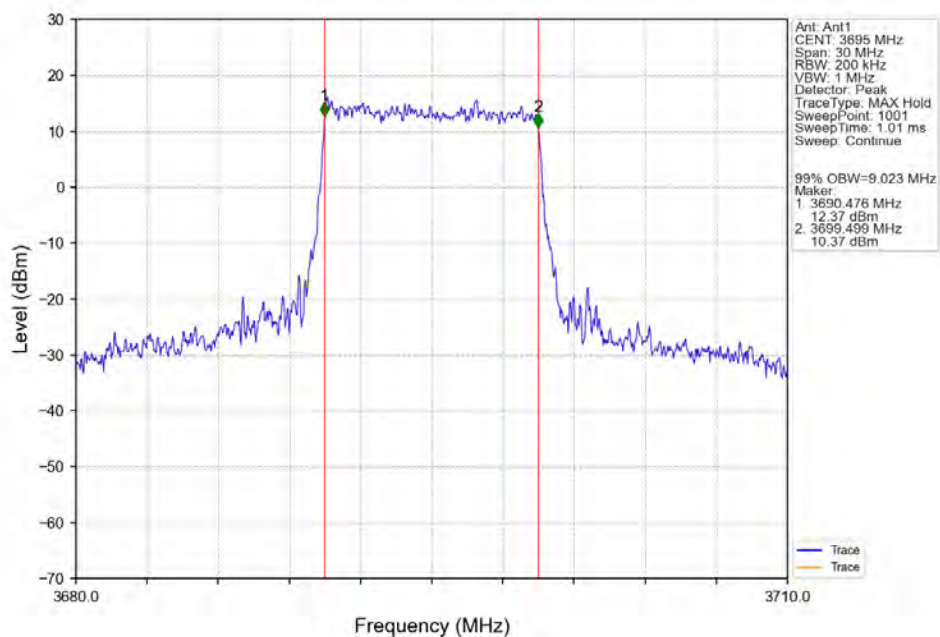




Band48_10MHz_64QAM_MCH_3625MHz_RB_50_0_NTNV

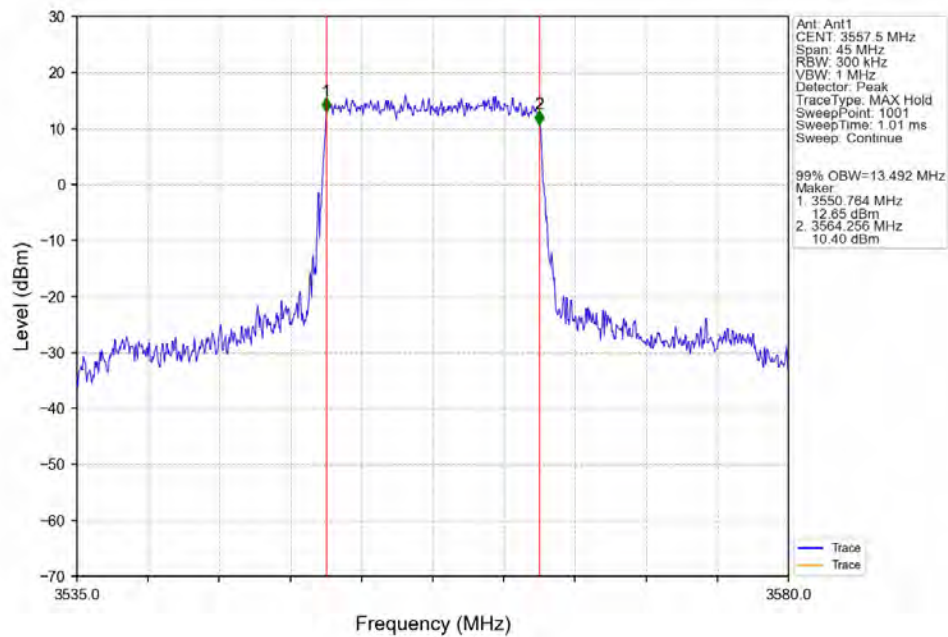


Band48_10MHz_64QAM_HCH_3695MHz_RB_50_0_NTNV

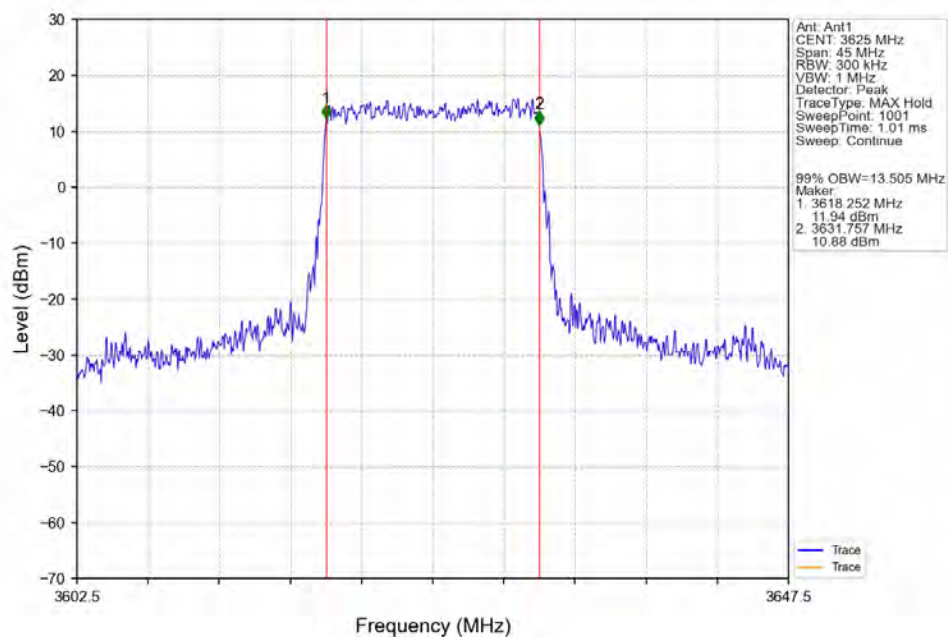




Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV



Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV

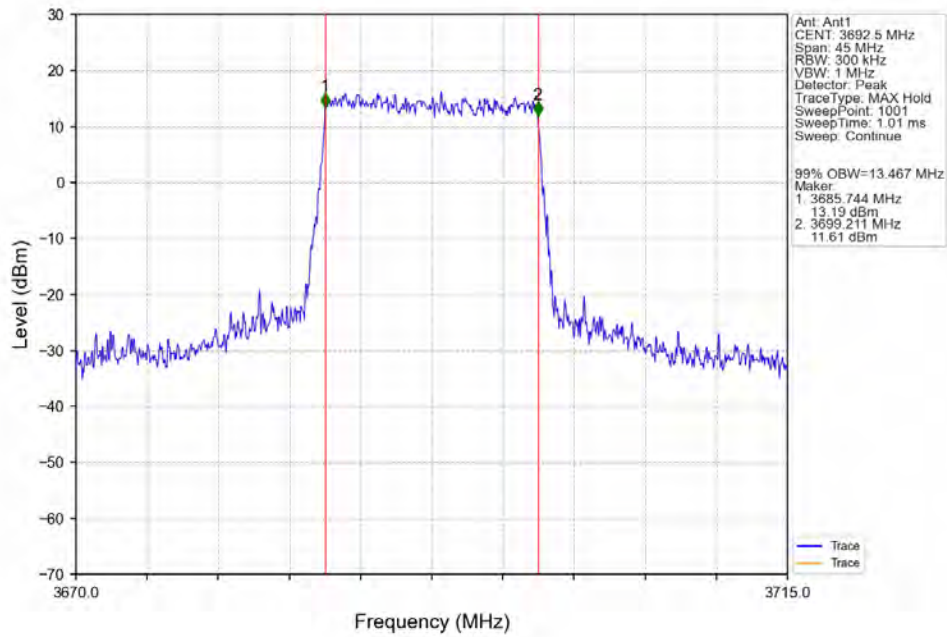




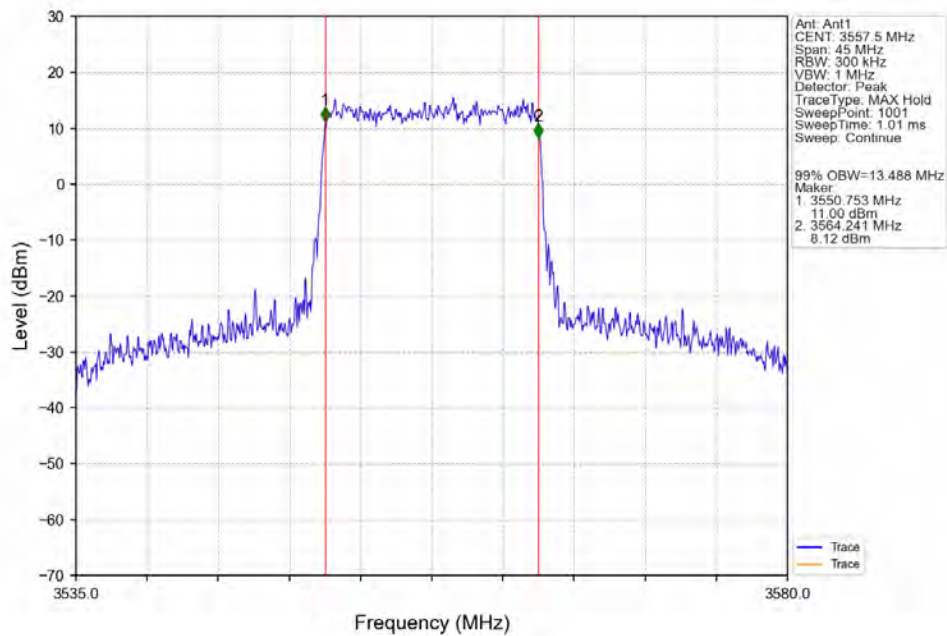
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No.: PSU-NQN2412170317RF01
FCC ID: 2AANY-ER815NRQ3

Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV

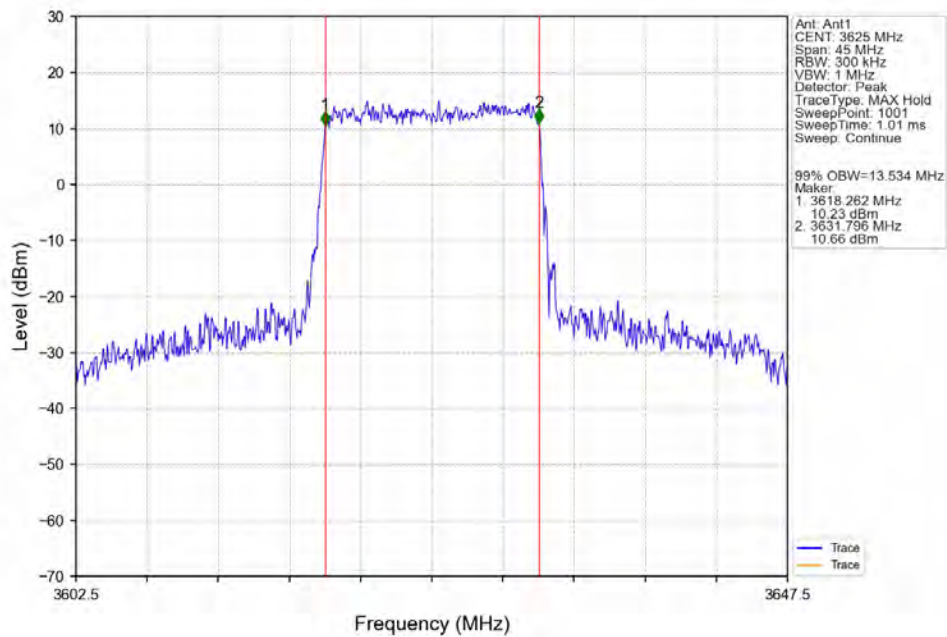


Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV

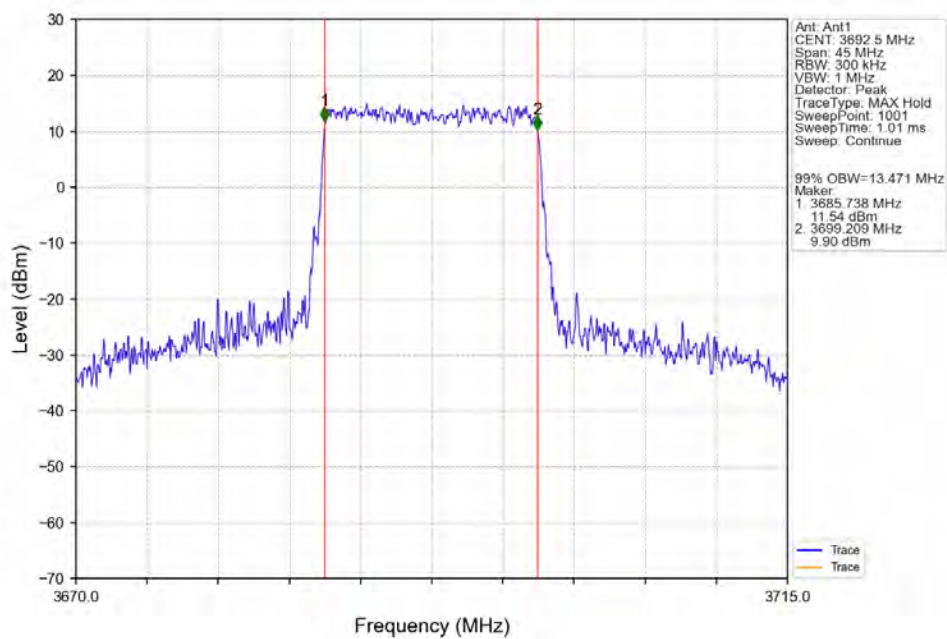




Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV

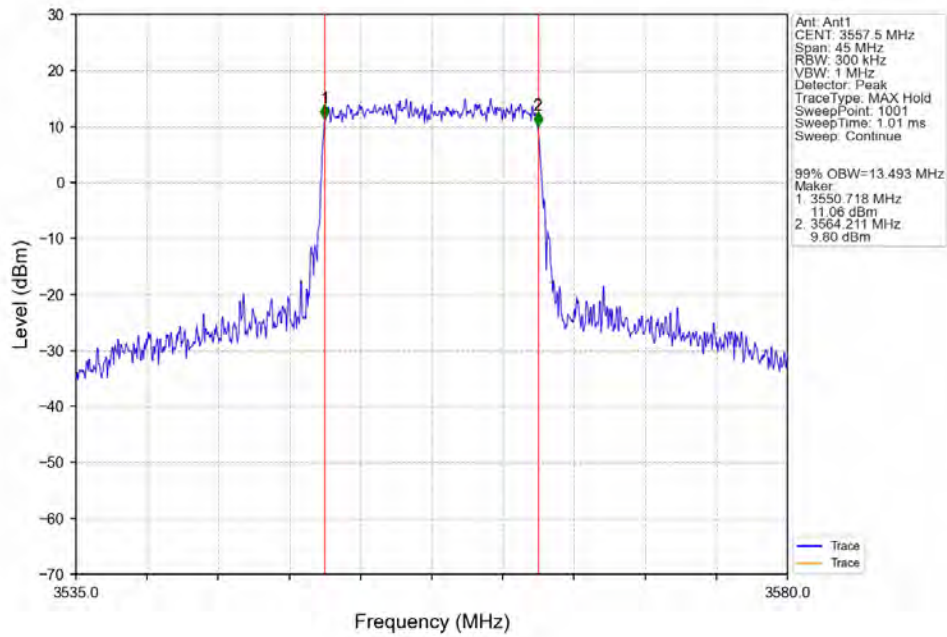


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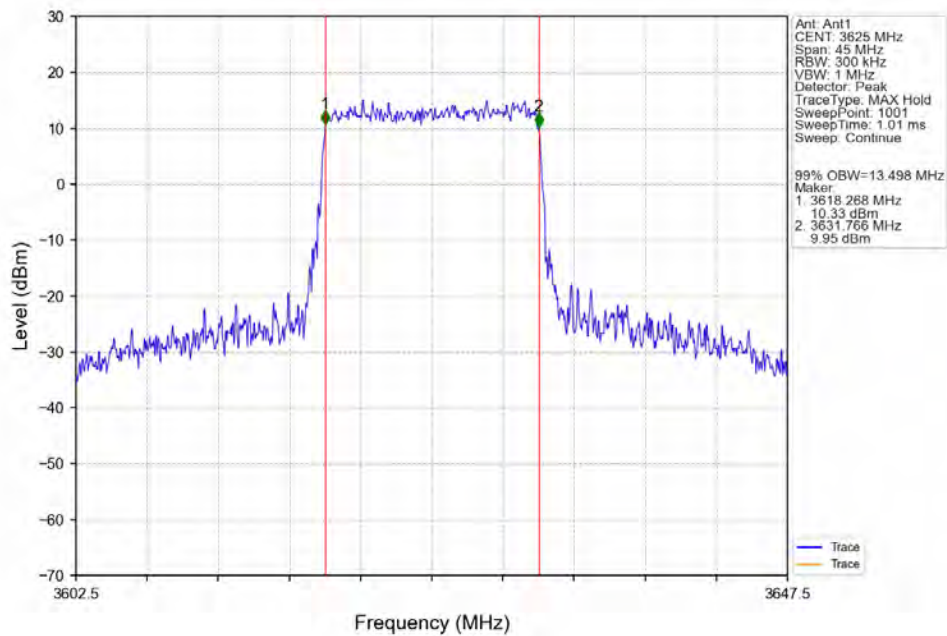




Band48_15MHz_64QAM_LCH_3557.5MHz_RB_75_0_NTNV



Band48_15MHz_64QAM_MCH_3625MHz_RB_75_0_NTNV

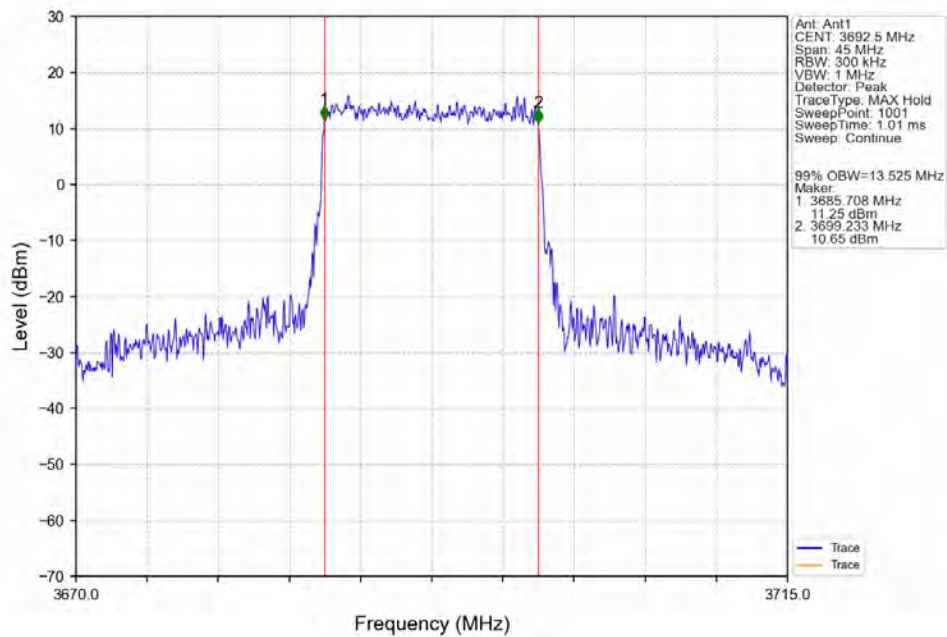




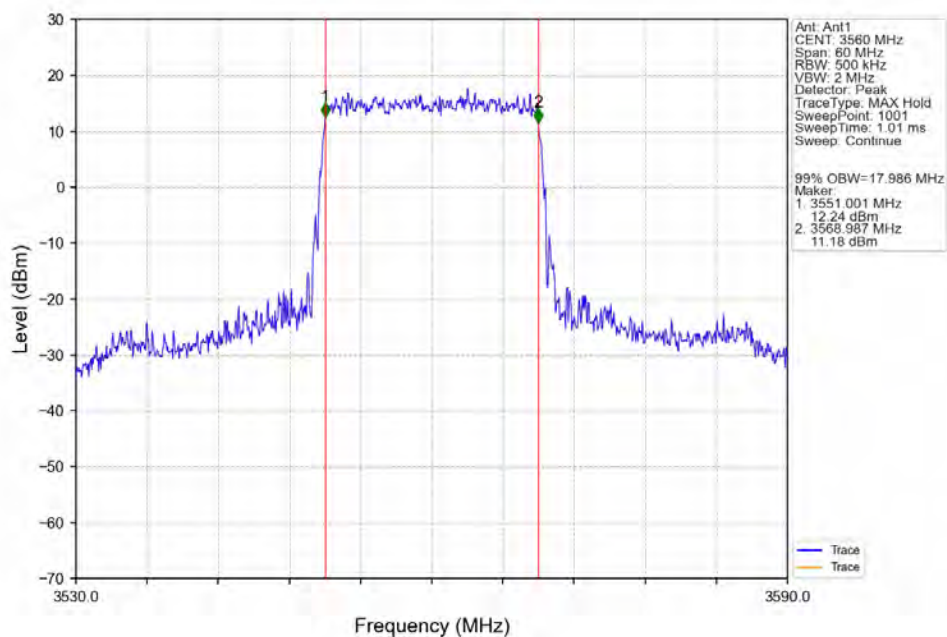
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VERITAS

No.: PSU-NQN2412170317RF01
FCC ID: 2AANY-ER815NRQ3

Band48_15MHz_64QAM_HCH_3692.5MHz_RB_75_0_NTNV



Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV

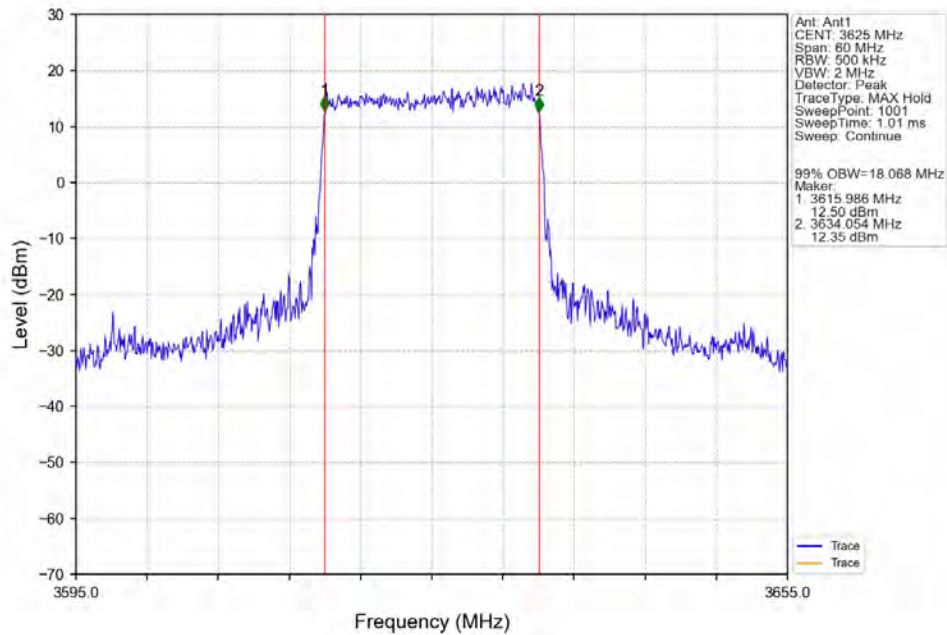




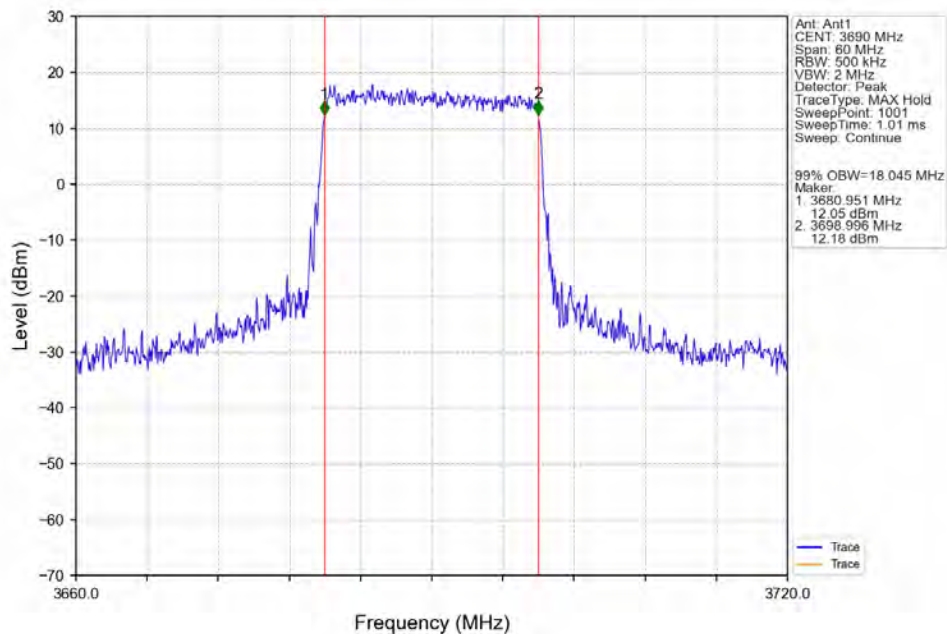
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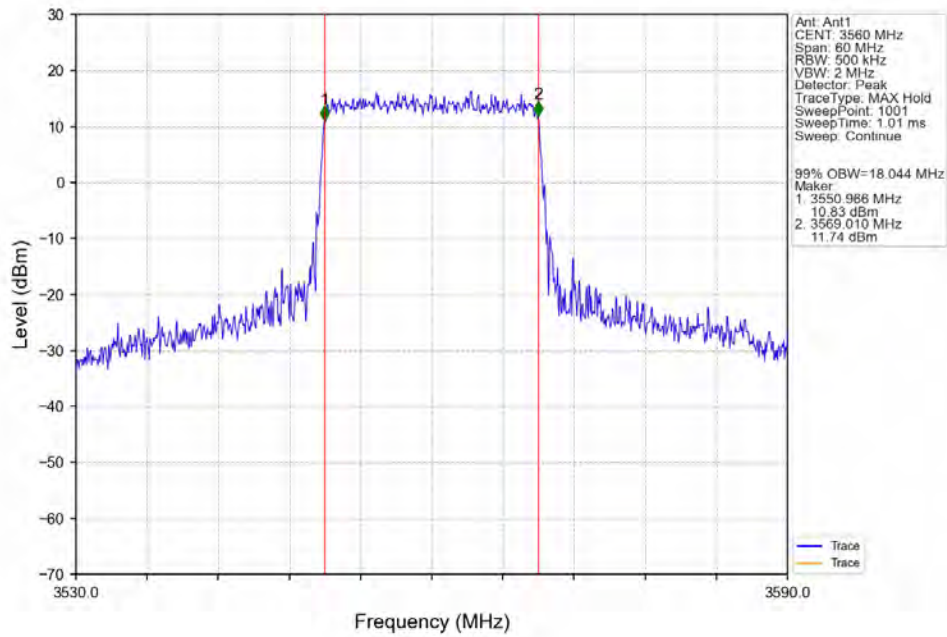


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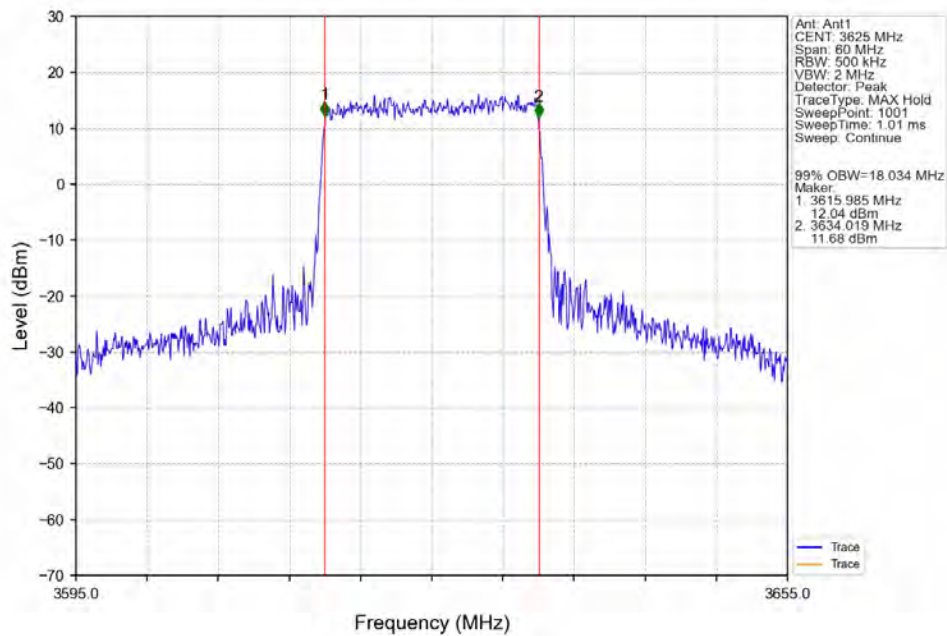




Band48_20MHz_16QAM_LCH_3560MHz_RB_100_0_NTNV



Band48_20MHz_16QAM_MCH_3625MHz_RB_100_0_NTNV

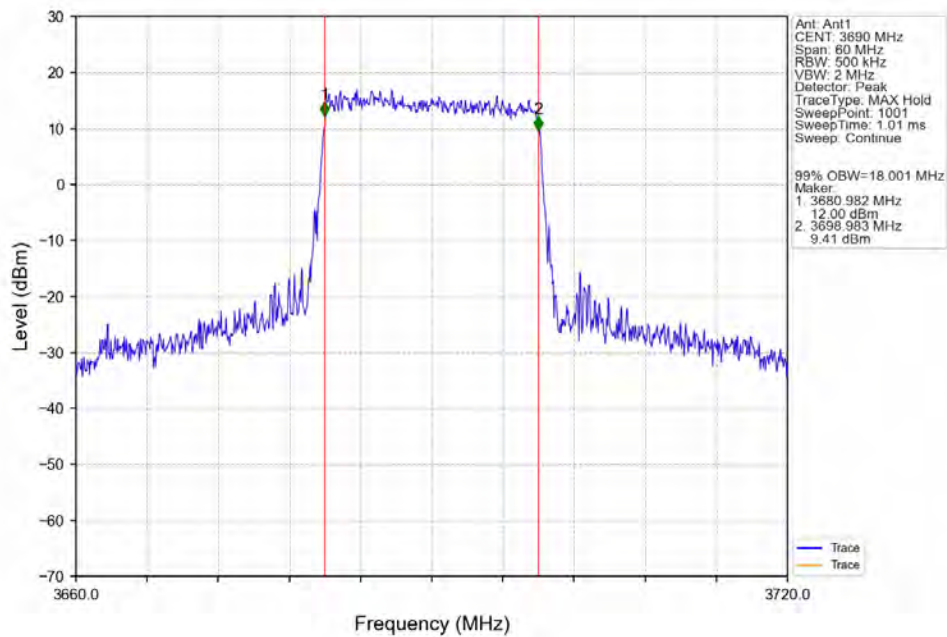




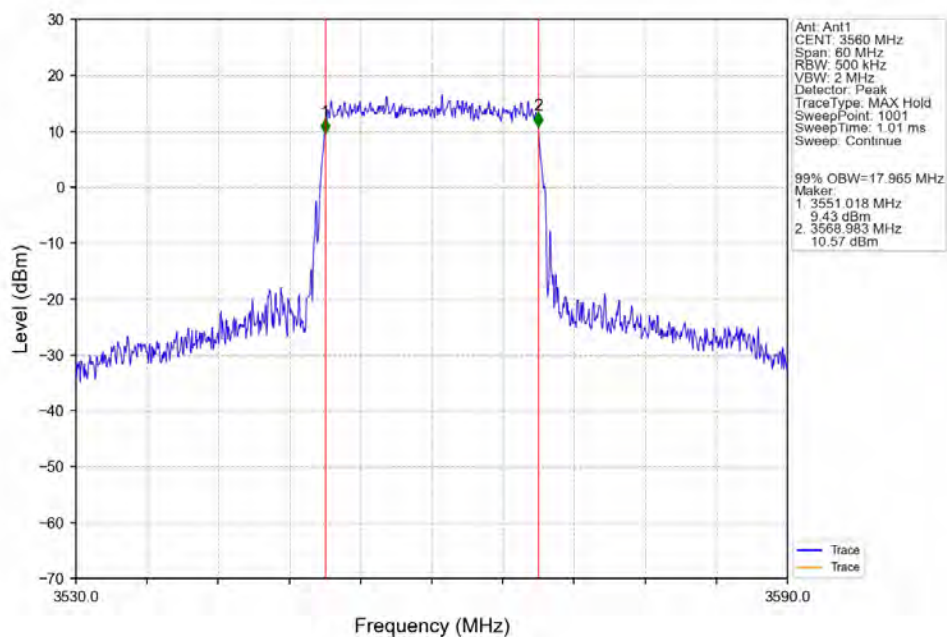
BUREAU
VERITAS

No.: PSU-NQN2412170317RF01
FCC ID: 2AANY-ER815NRQ3

Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV

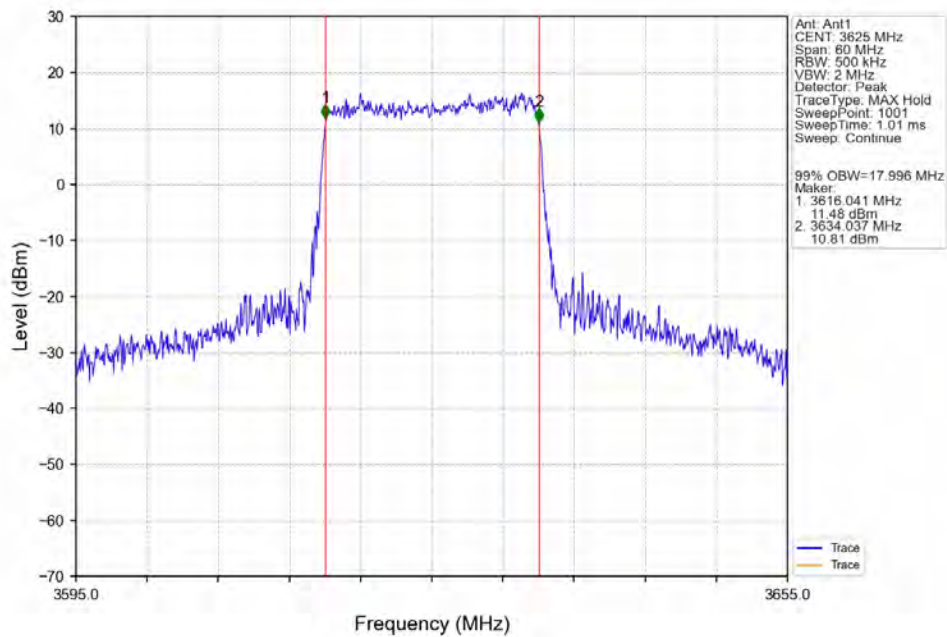


Band48_20MHz_64QAM_LCH_3560MHz_RB_100_0_NTNV

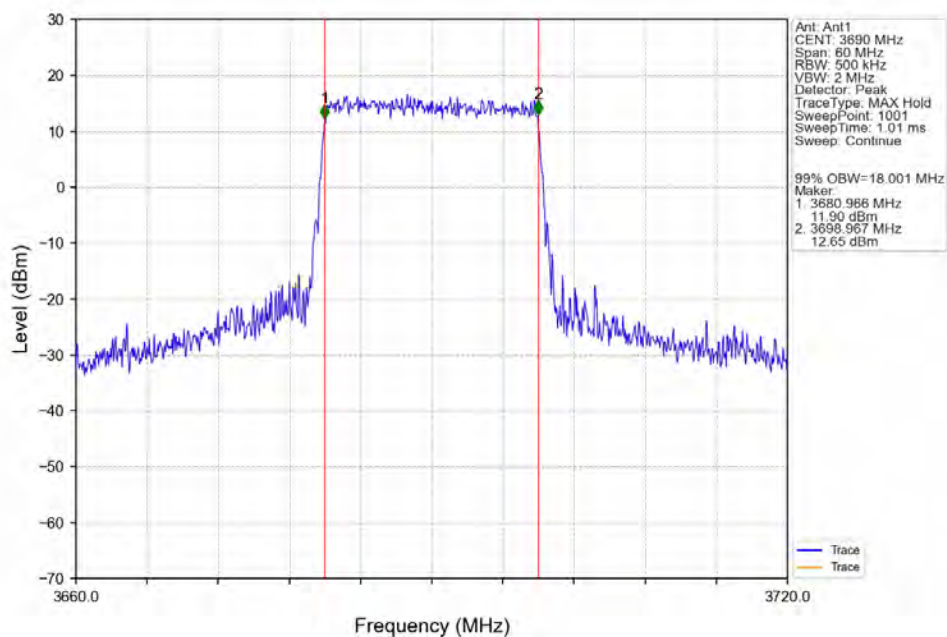




Band48_20MHz_64QAM_MCH_3625MHz_RB_100_0_NTNV



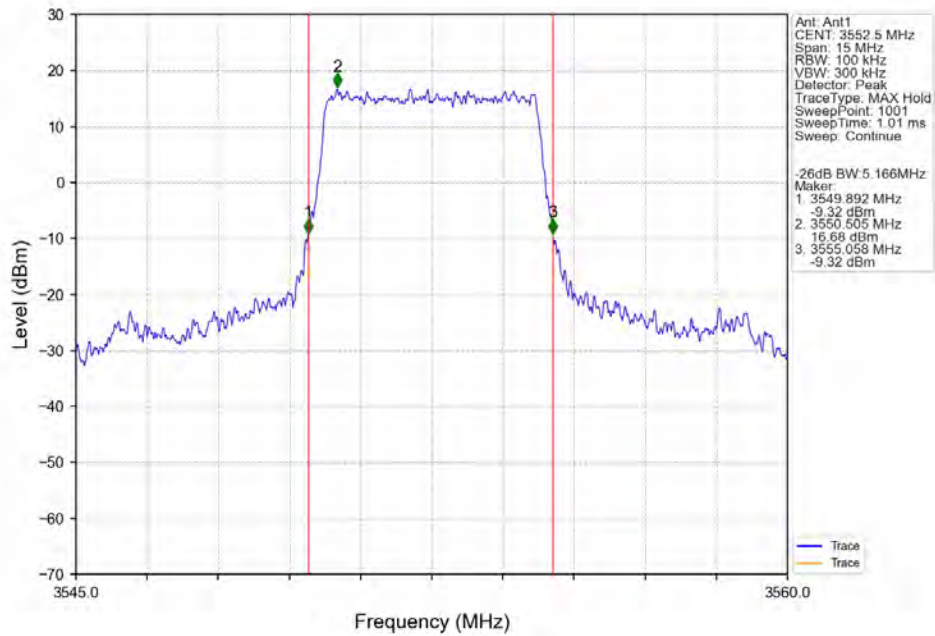
Band48_20MHz_64QAM_HCH_3690MHz_RB_100_0_NTNV



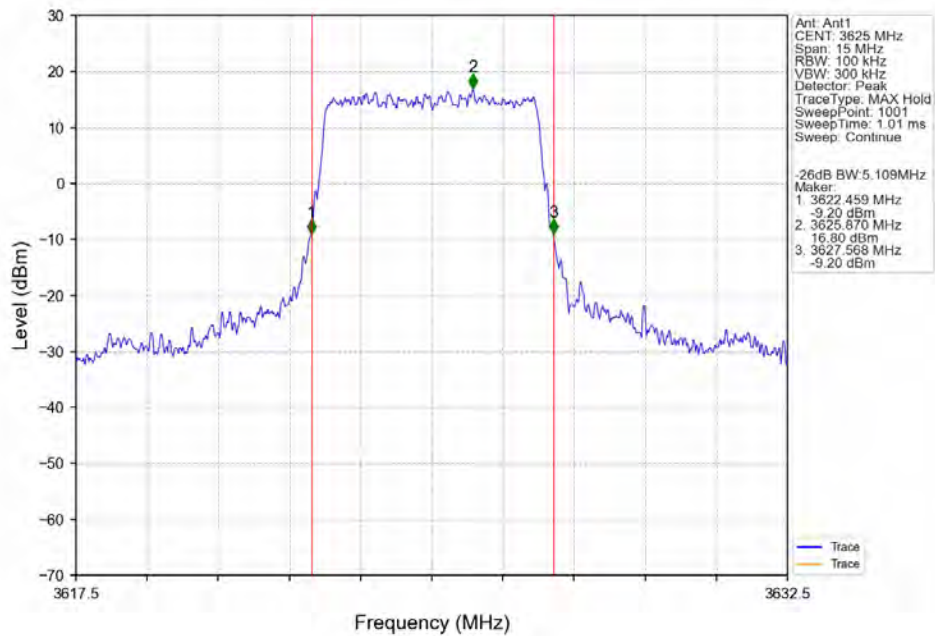


4.2.2 Band48_XDB

Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV

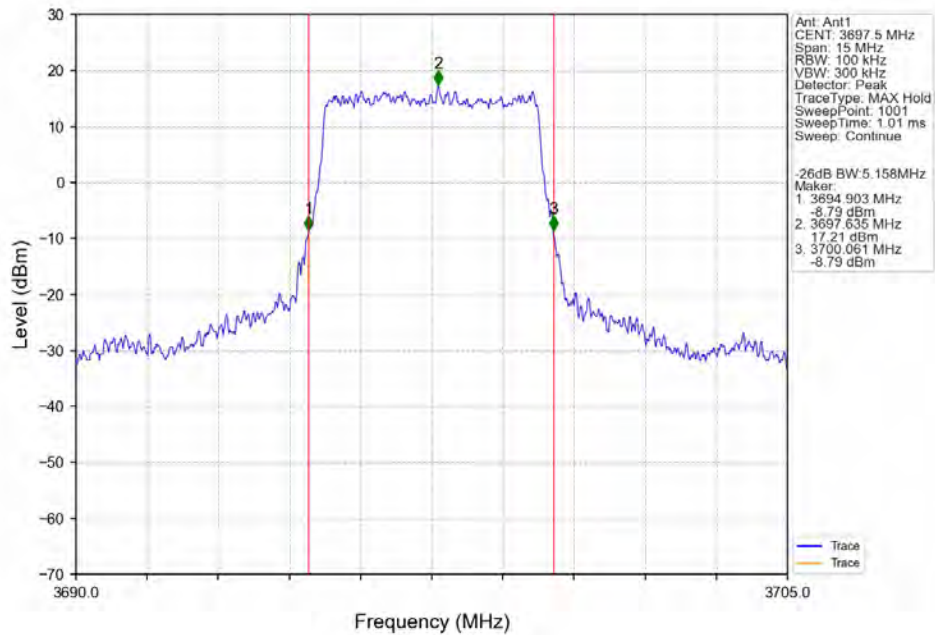


Band48_5MHz_QPSK_MCH_3625MHz_RB_25_0_NTNV

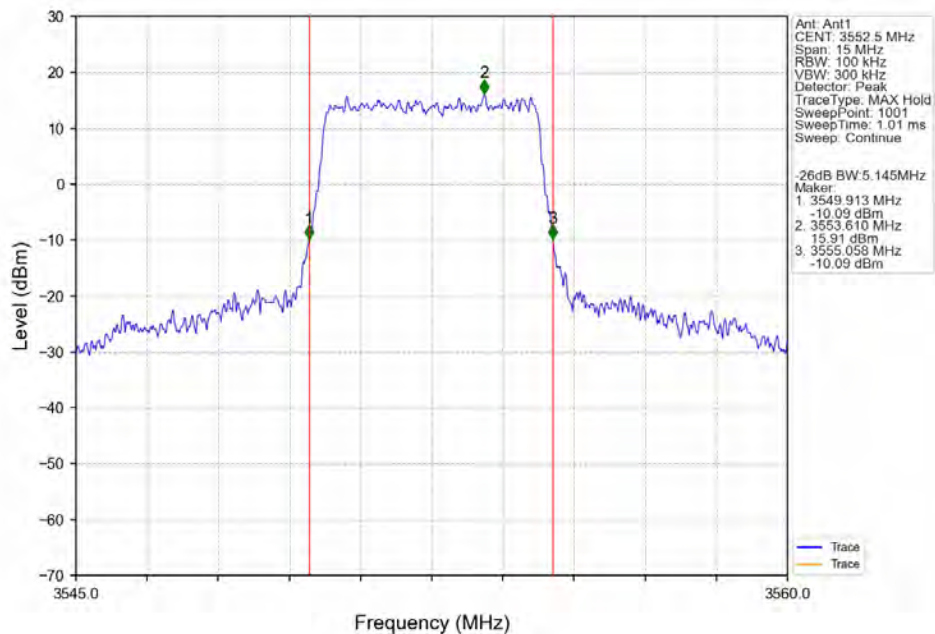




Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV

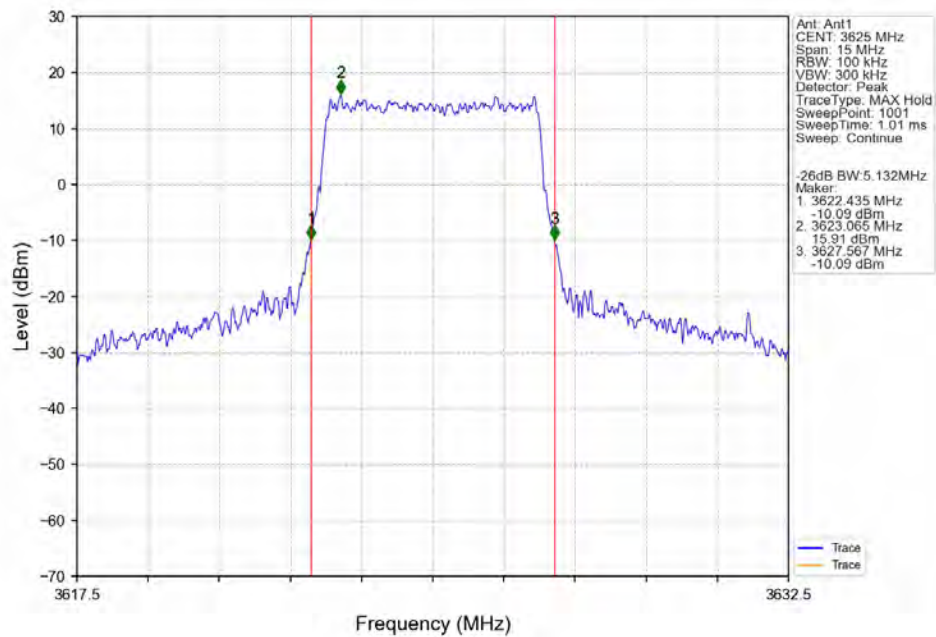


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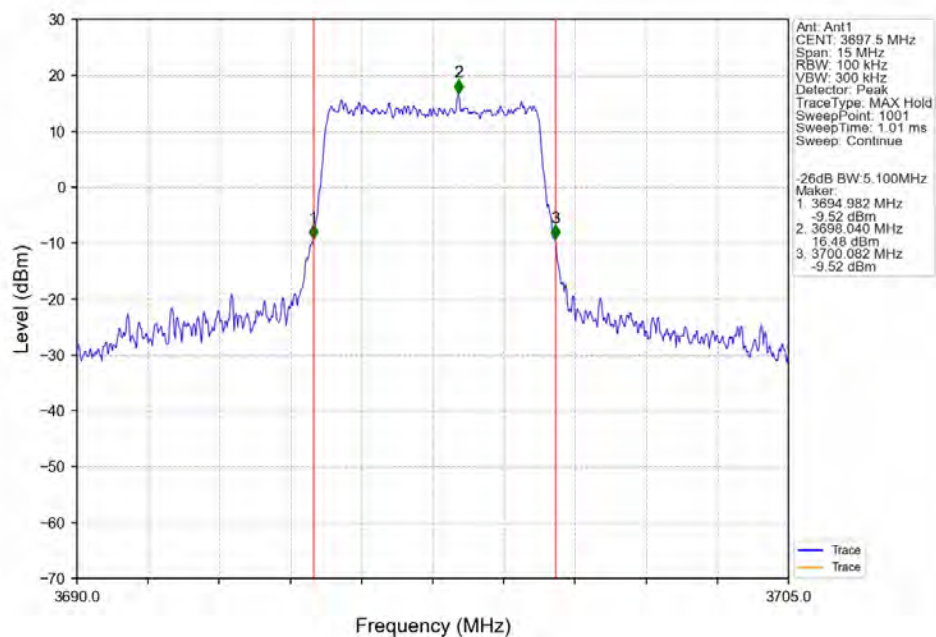




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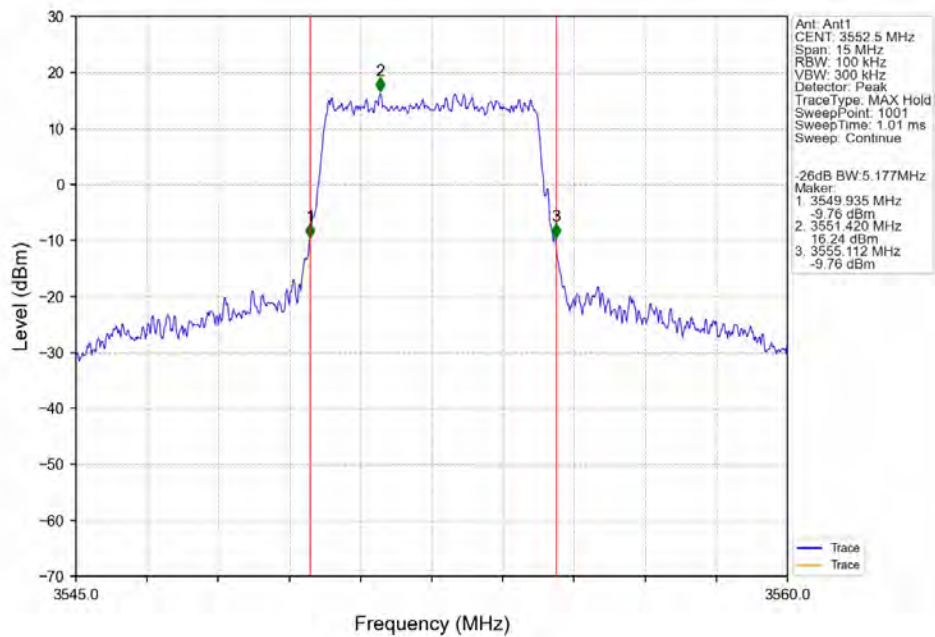


Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV

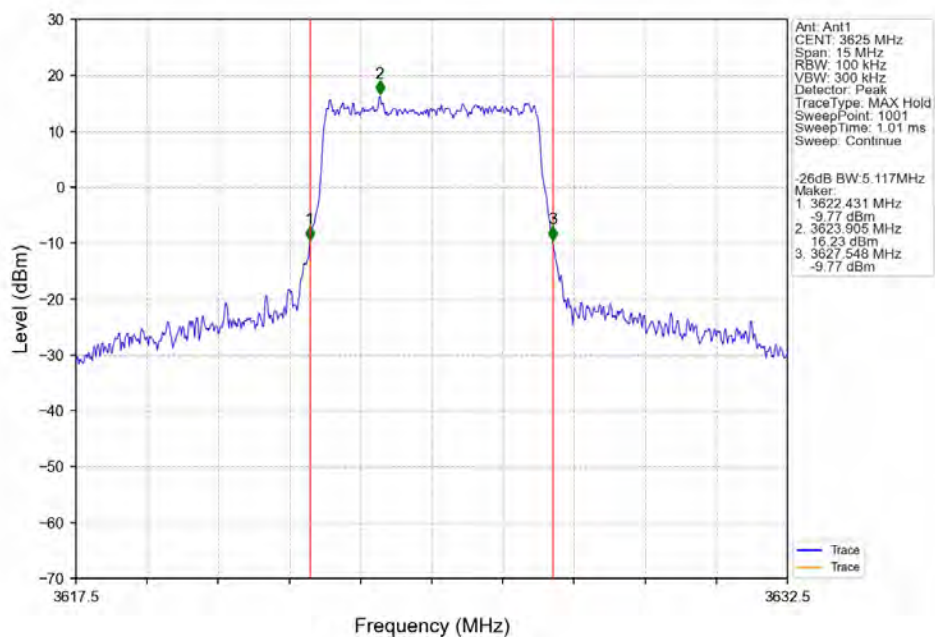




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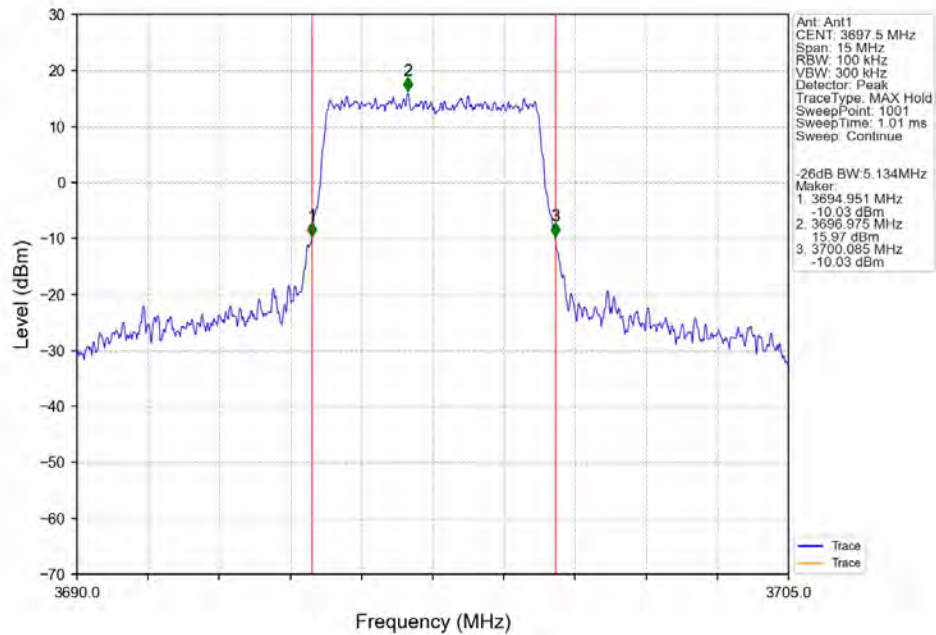


Band48_5MHz_64QAM_MCH_3625MHz_RB_25_0_NTNV

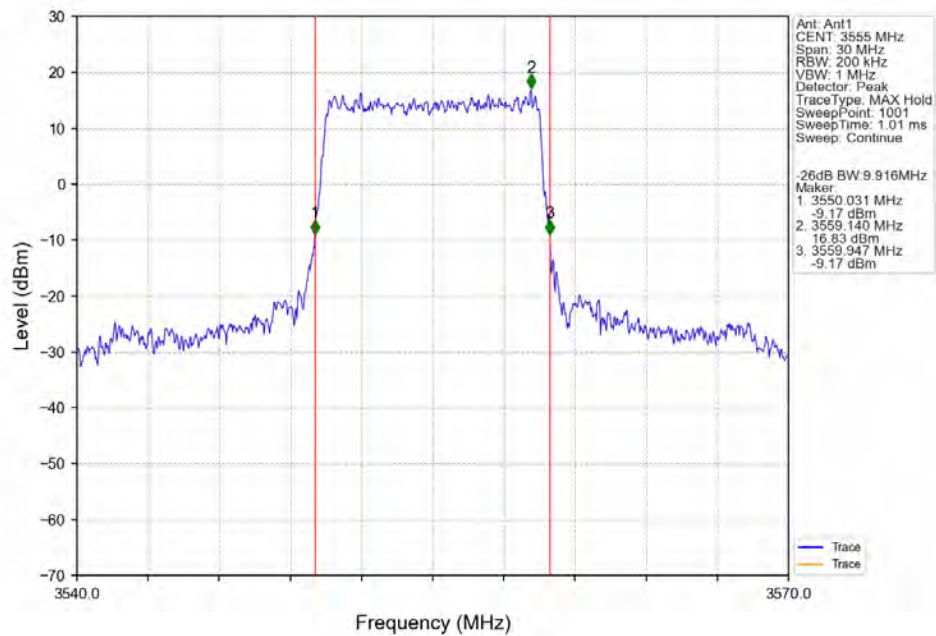




Band48_5MHz_64QAM_HCH_3697.5MHz_RB_25_0_NTNV

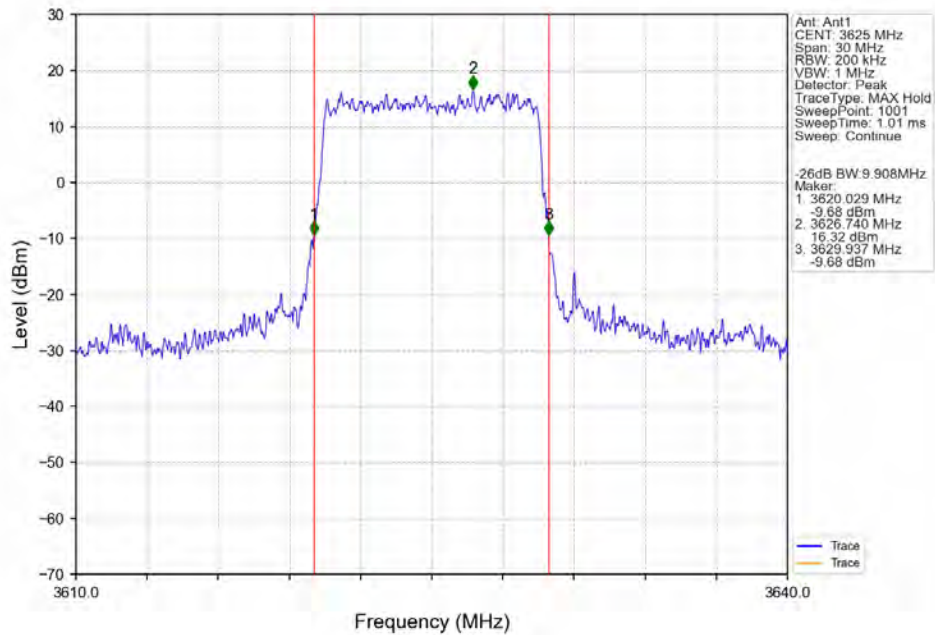


Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV

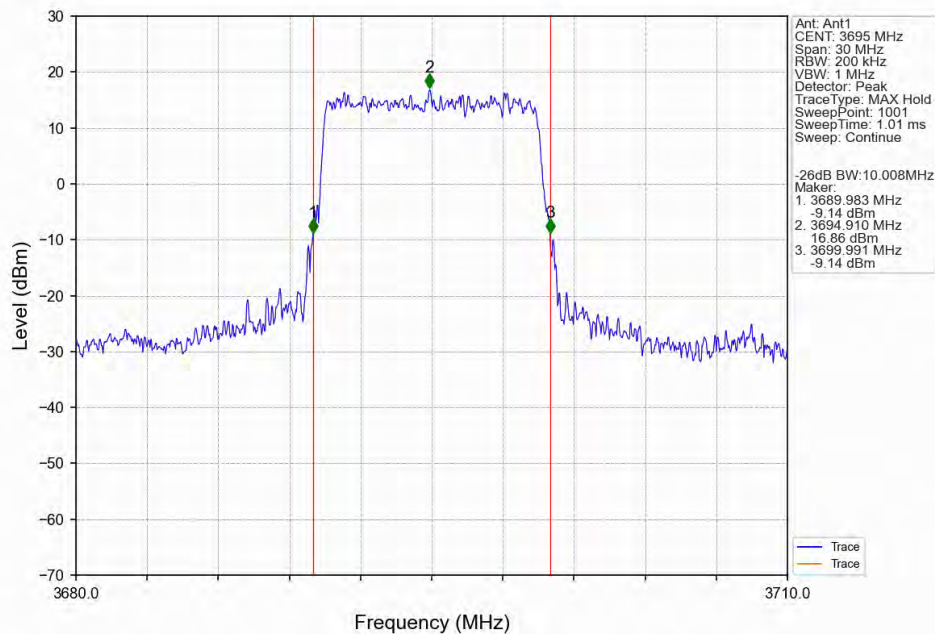




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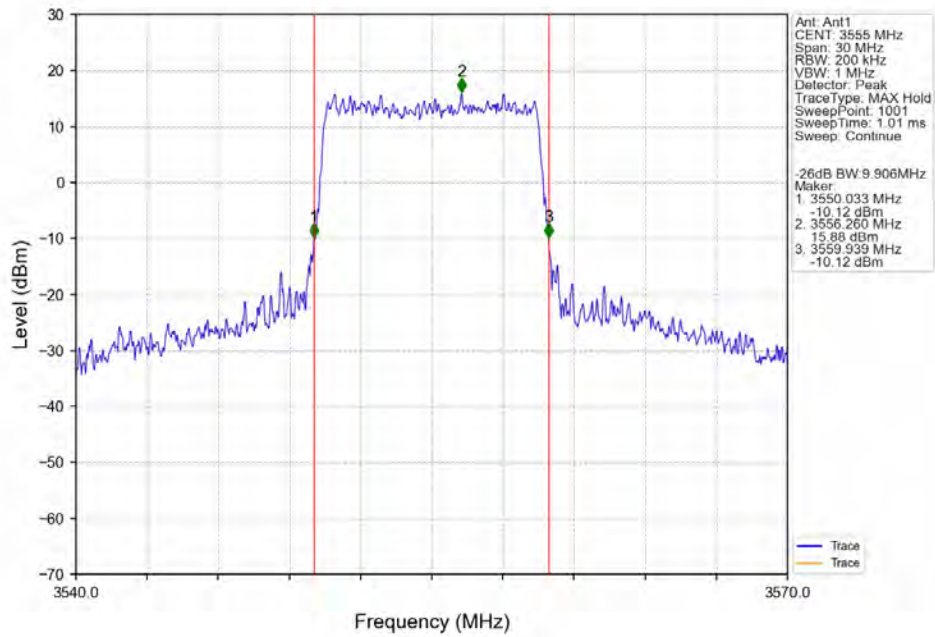


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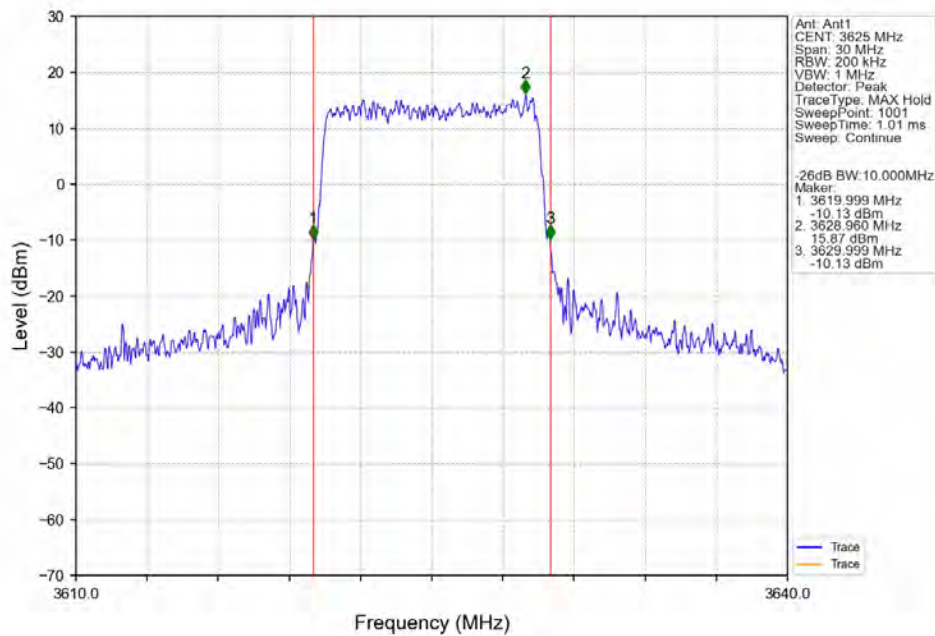




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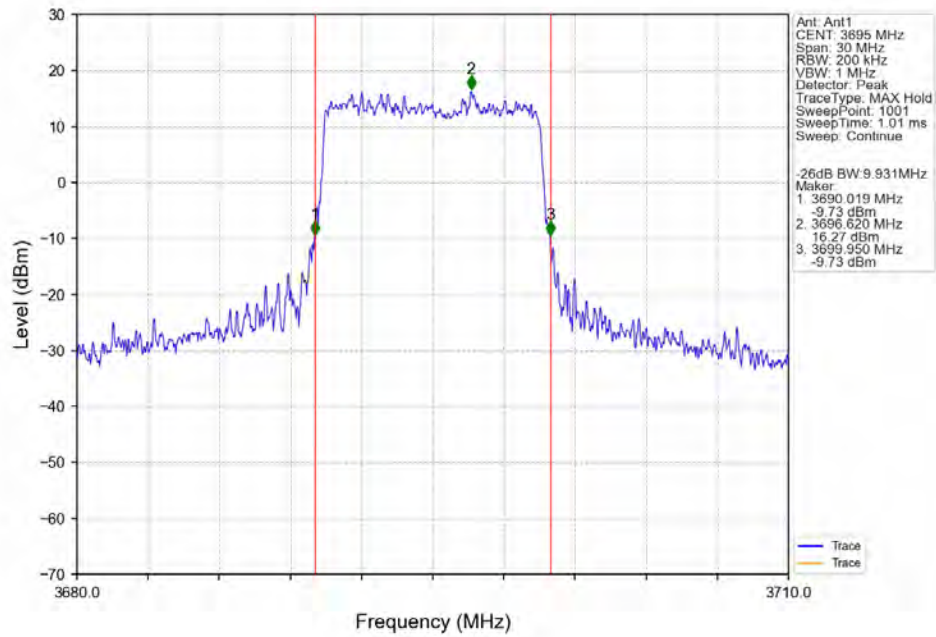


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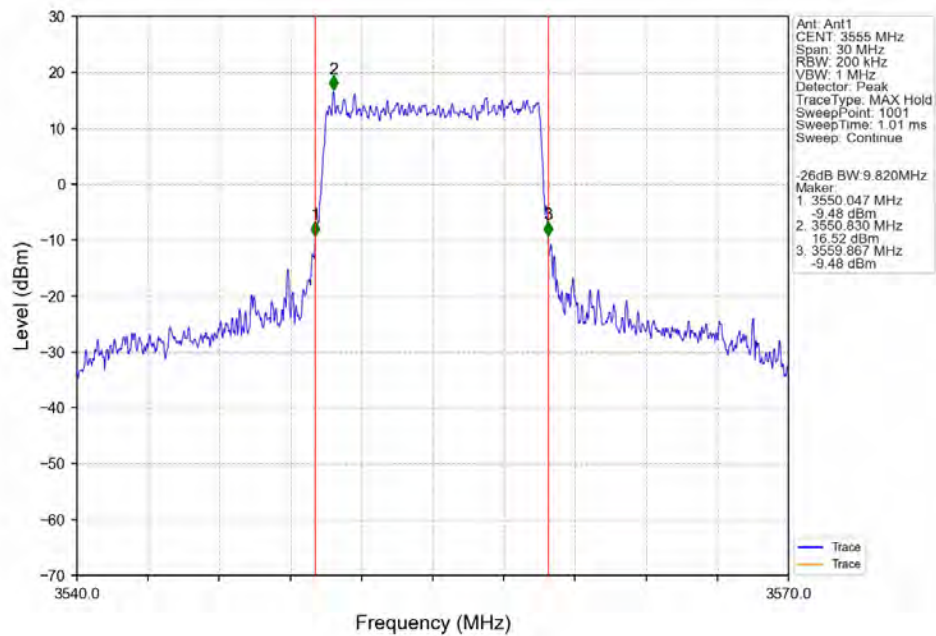




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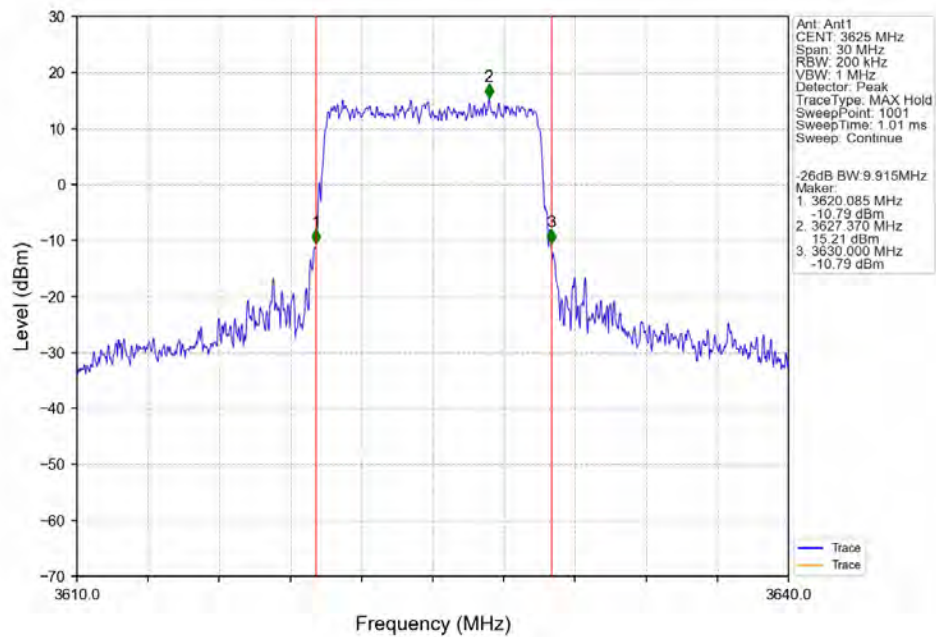


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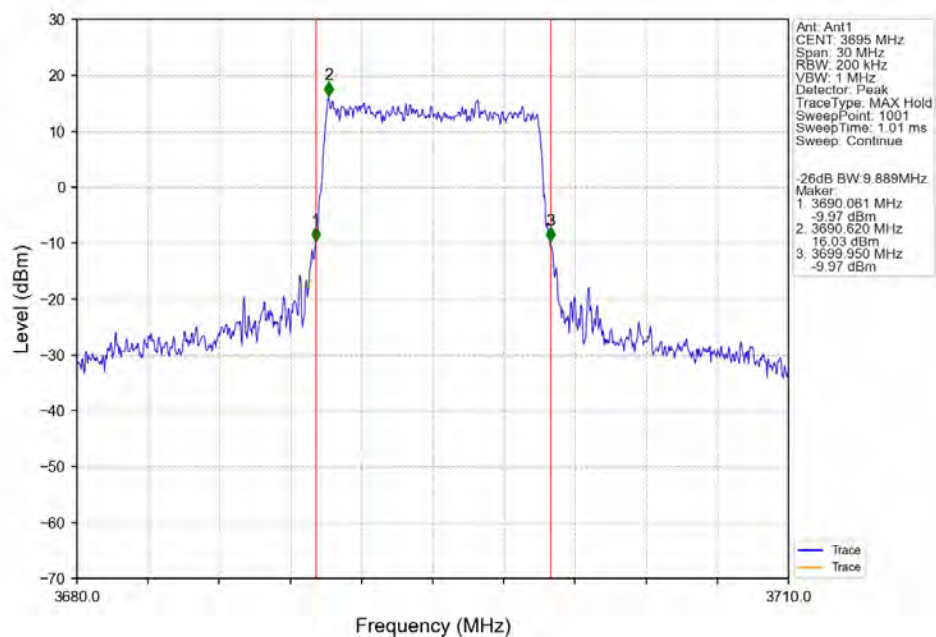




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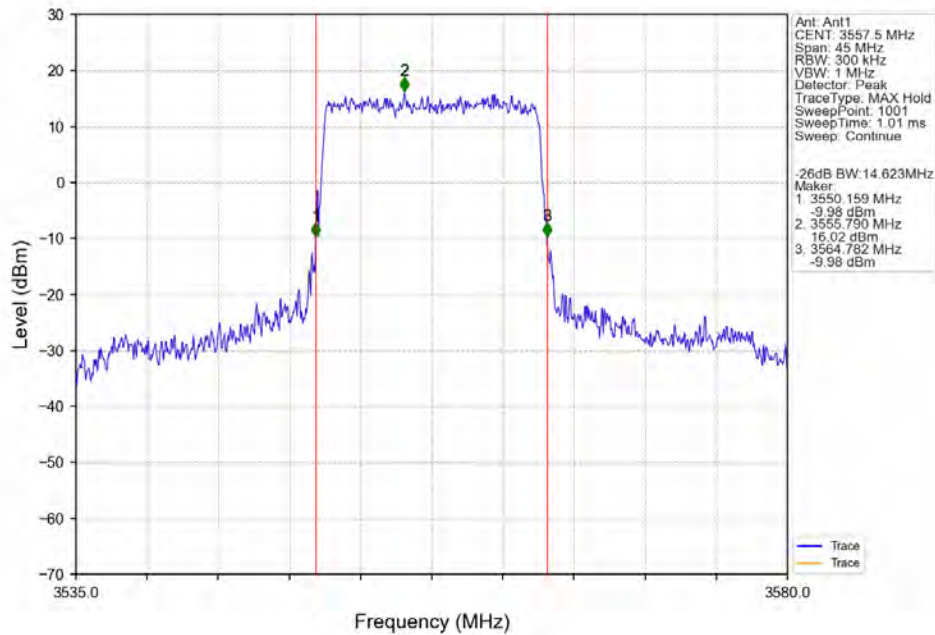


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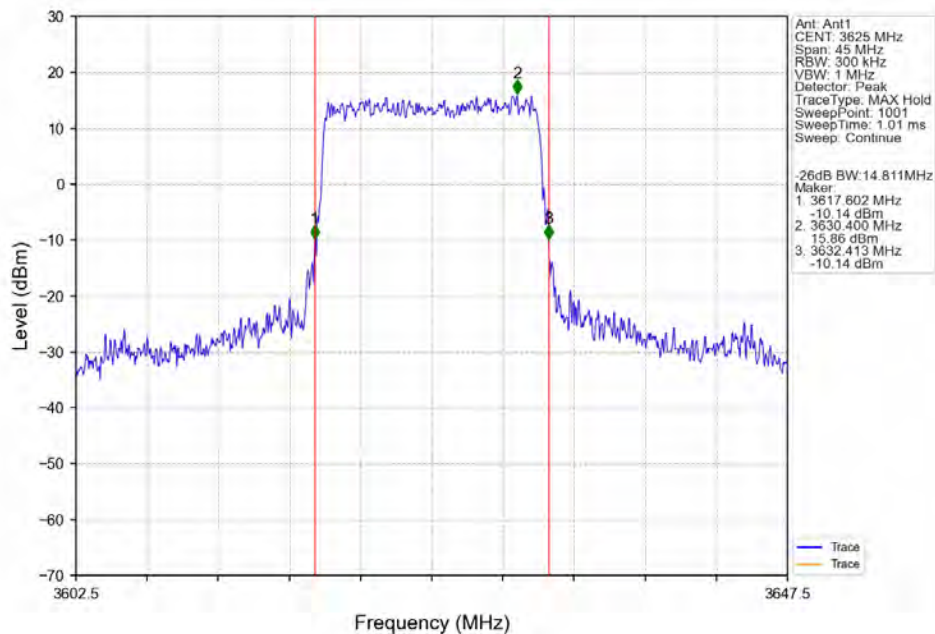




Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV

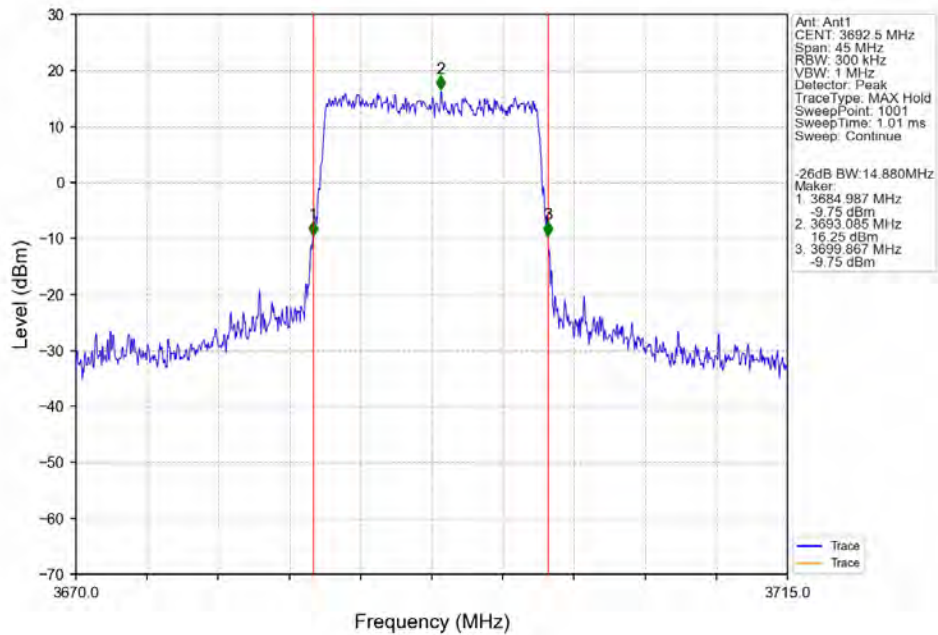


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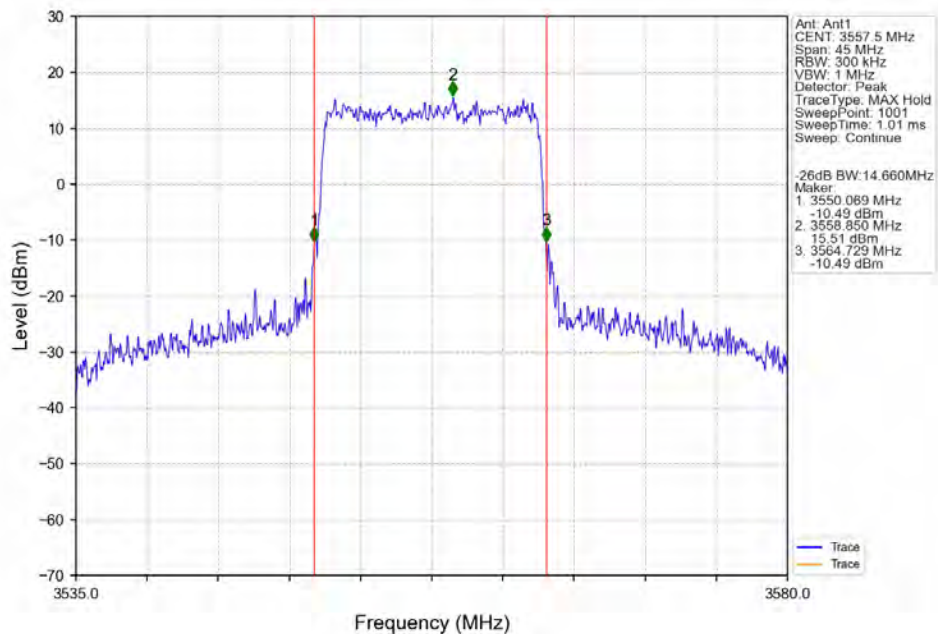




Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV

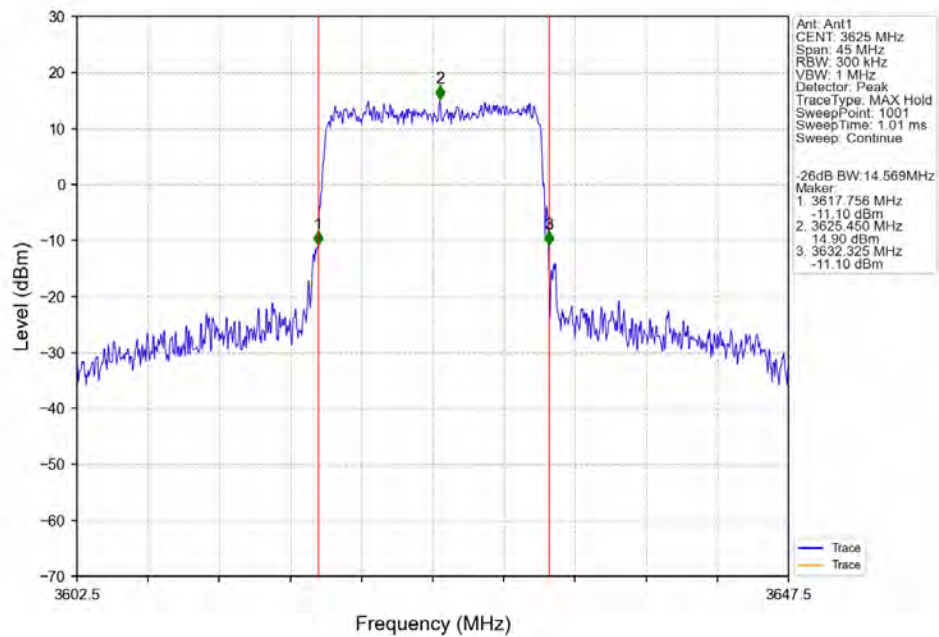


Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV

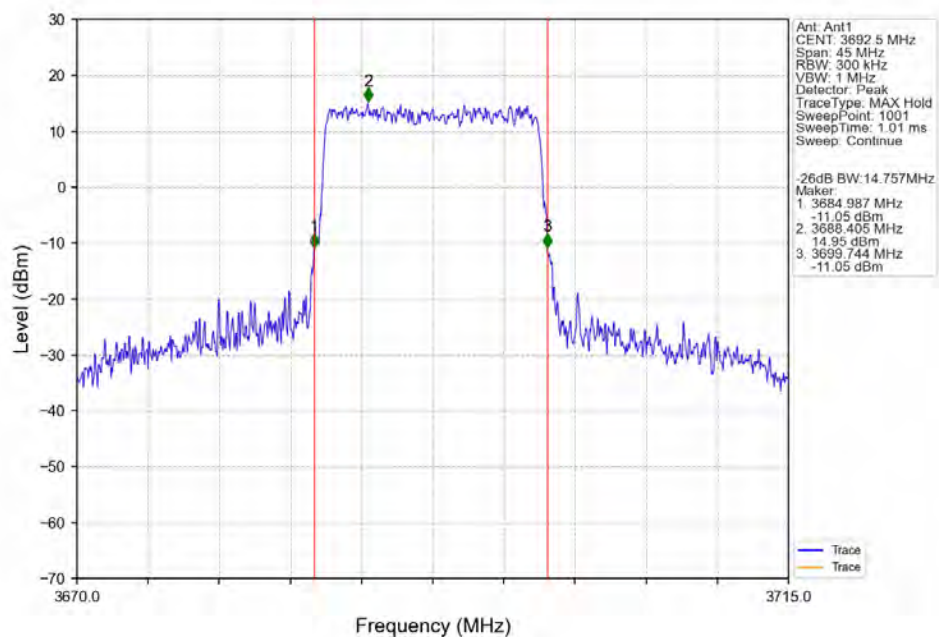




Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV

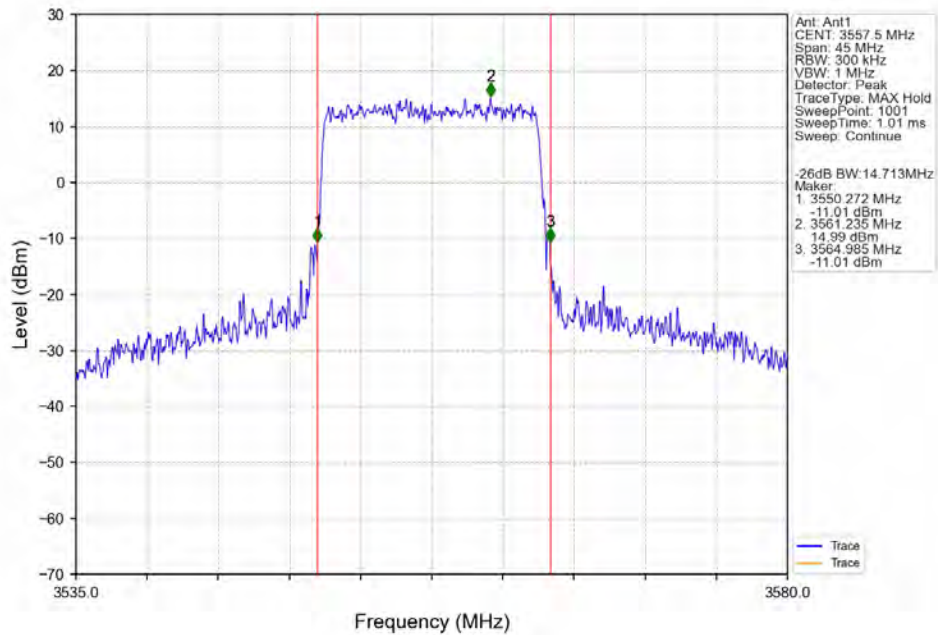


Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV

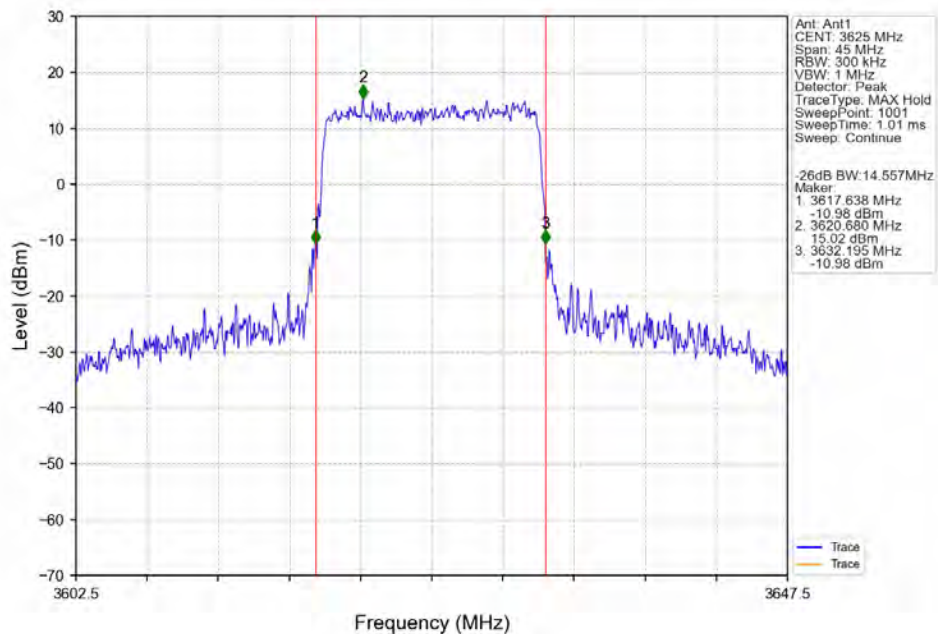




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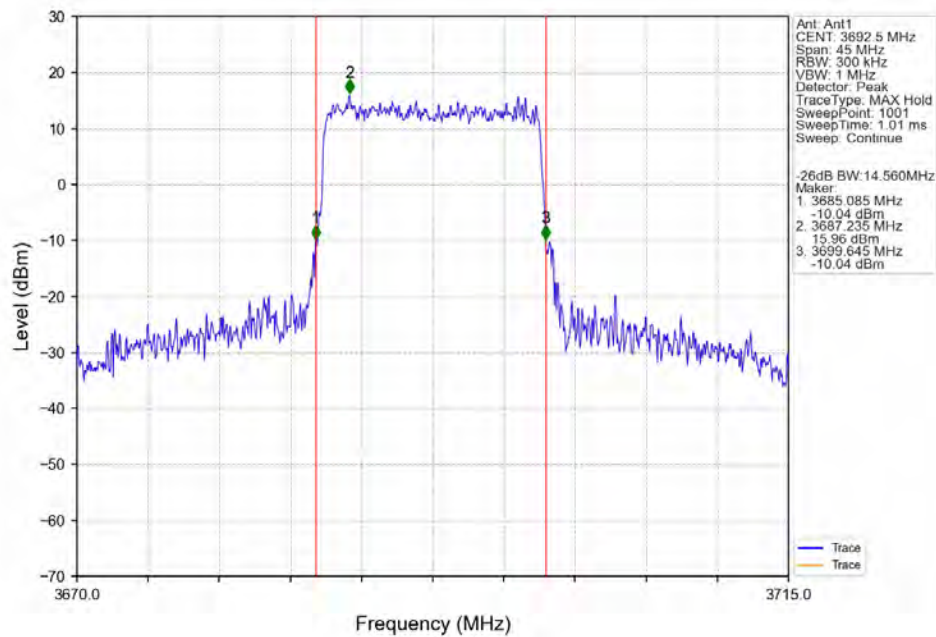


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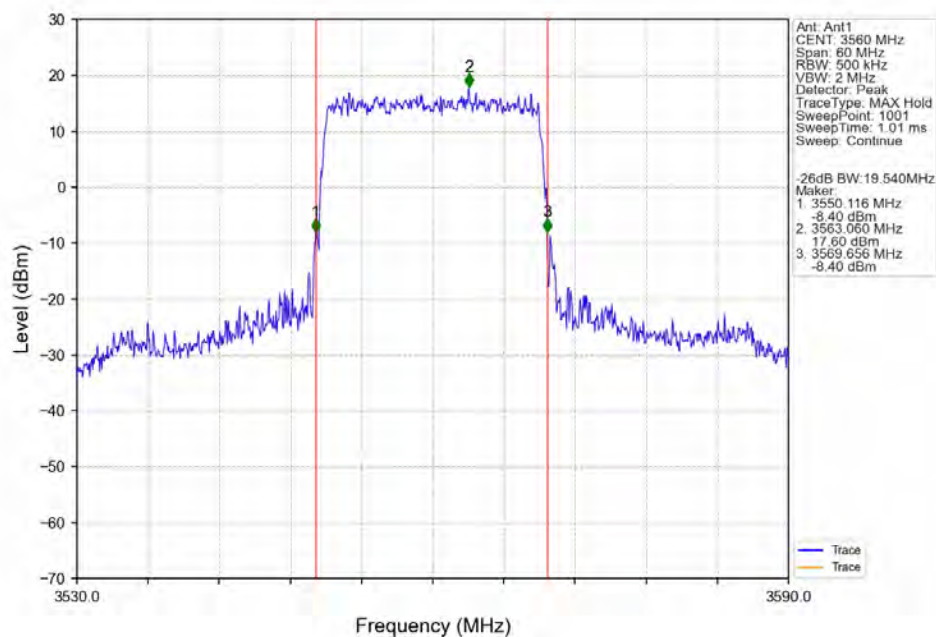




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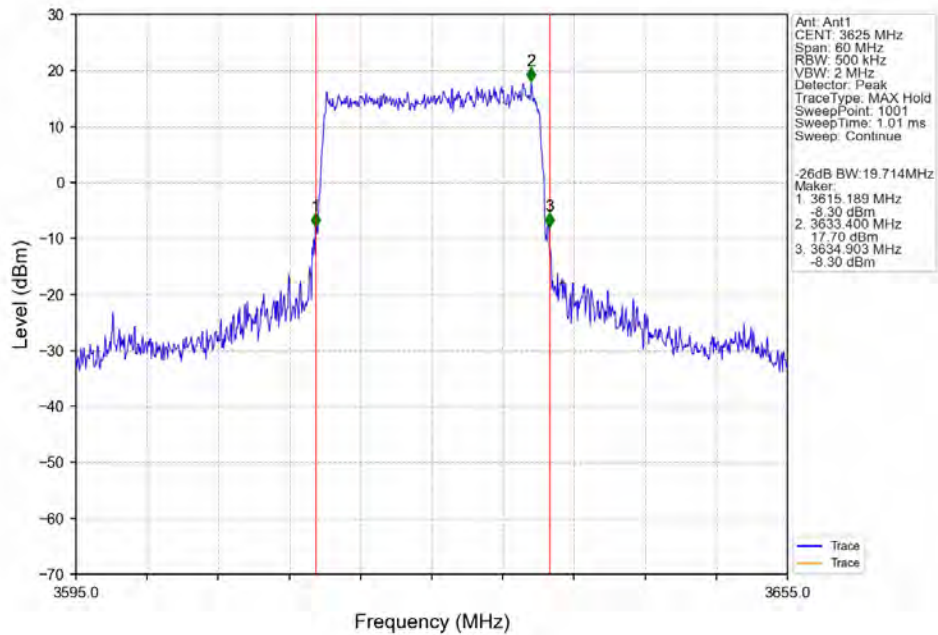


Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV

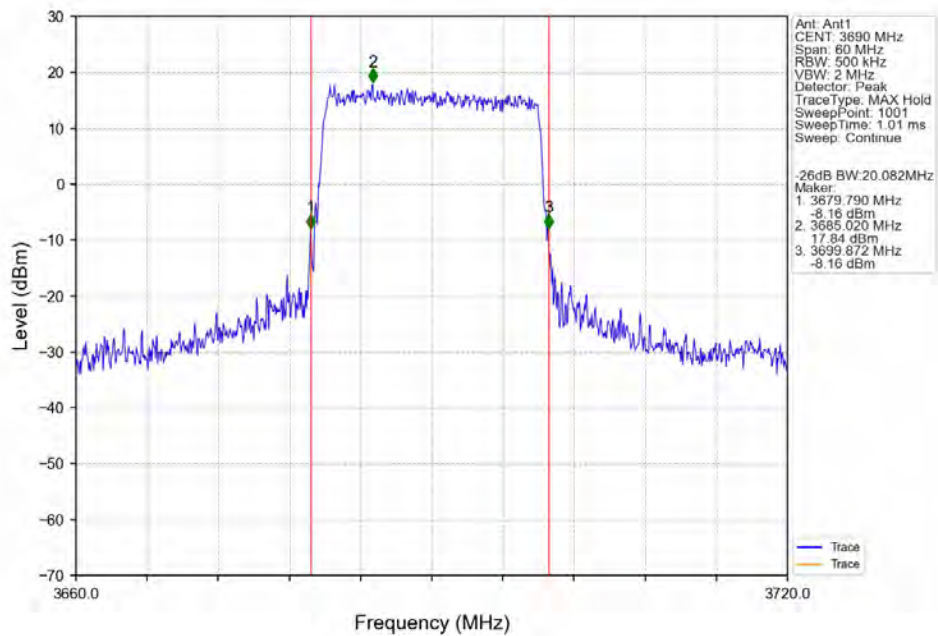




Band48_20MHz_QPSK_MCH_3625MHz_RB_100_0_NTNV

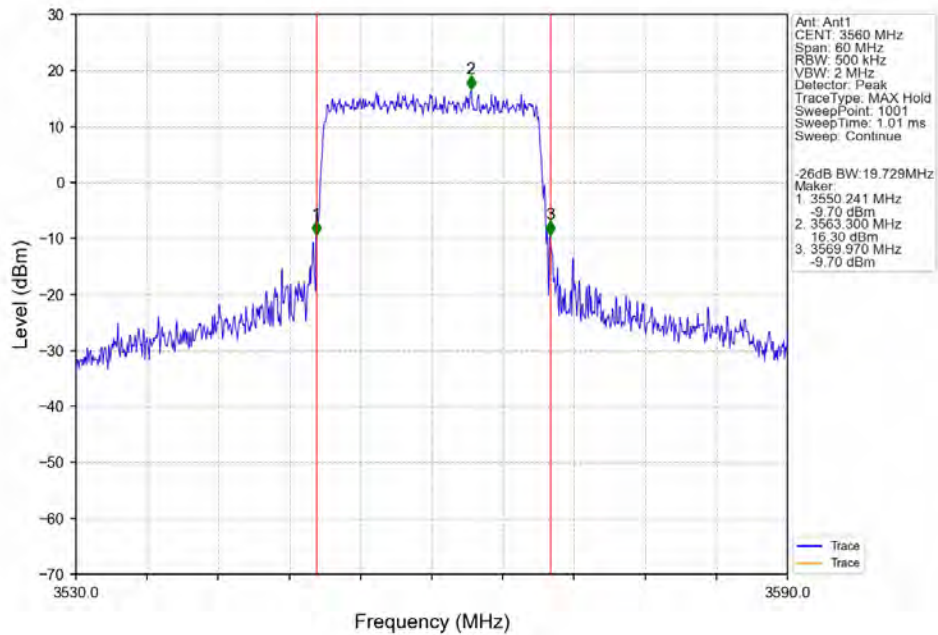


Band48_20MHz_QPSK_HCH_3690MHz_RB_100_0_NTNV

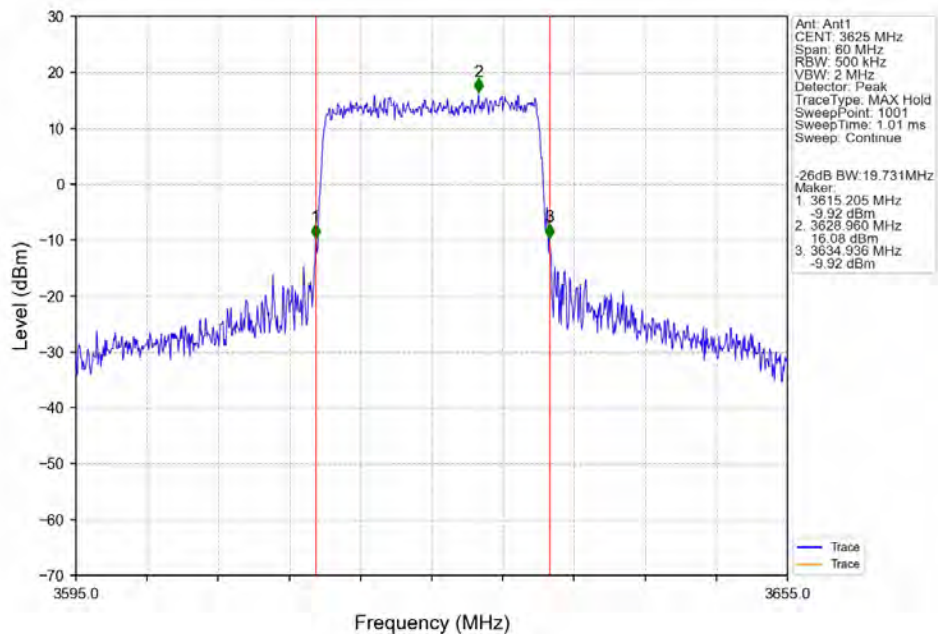




Band48_20MHz_16QAM_LCH_3560MHz_RB_100_0_NTNV

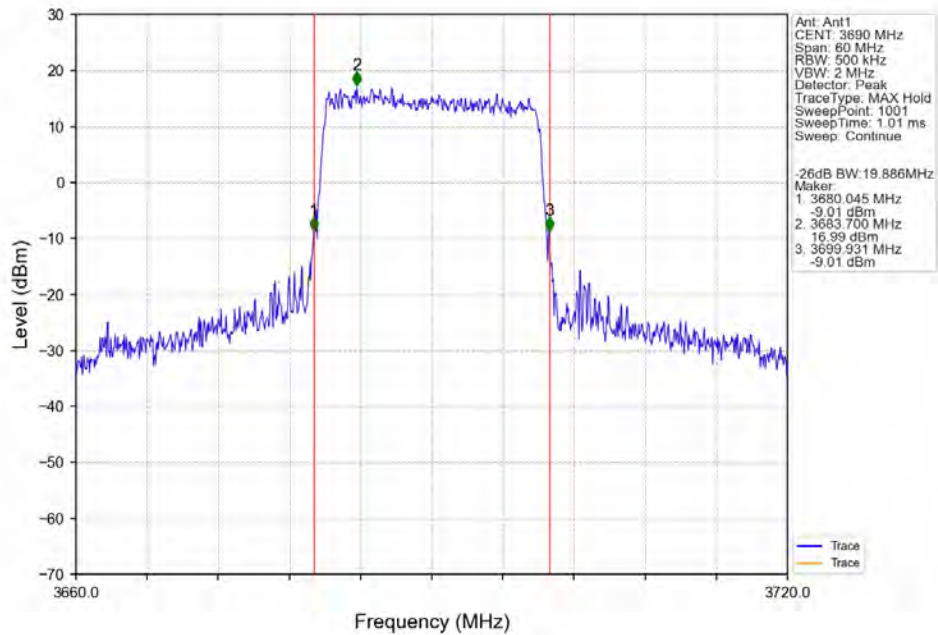


Band48_20MHz_16QAM_MCH_3625MHz_RB_100_0_NTNV

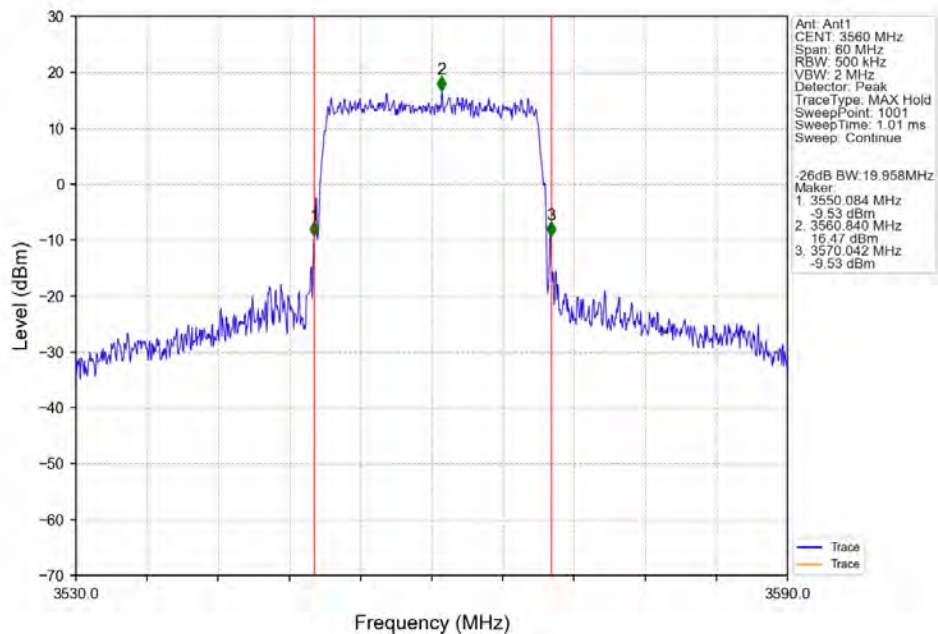




Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV

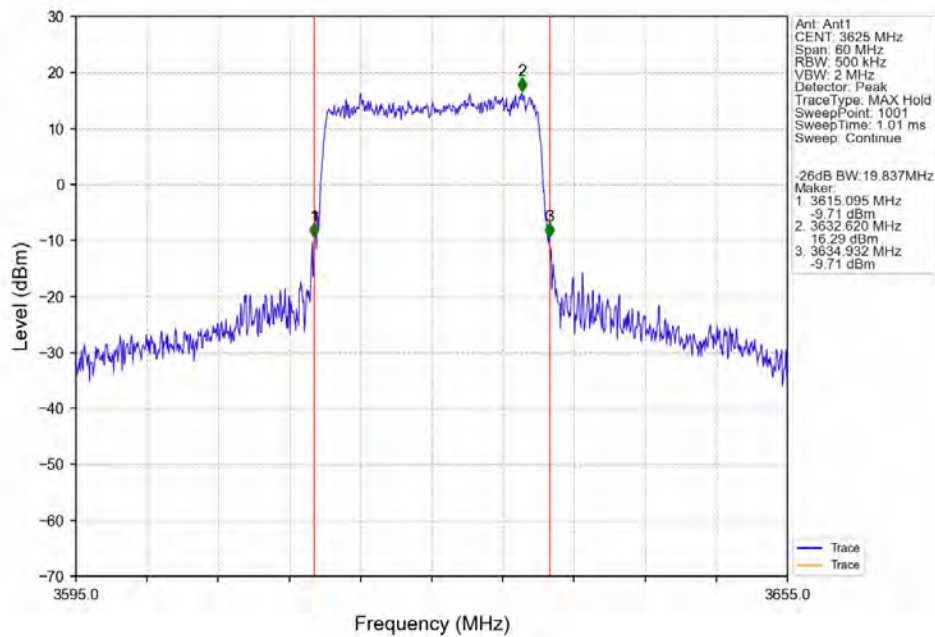


Band48_20MHz_64QAM_LCH_3560MHz_RB_100_0_NTNV

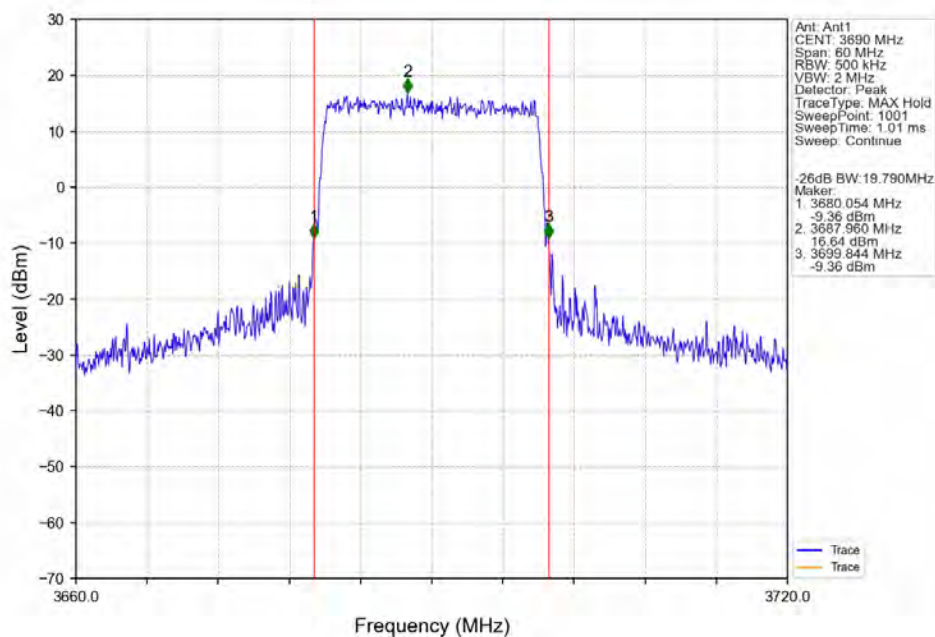




Band48_20MHz_64QAM_MCH_3625MHz_RB_100_0_NTNV



Band48_20MHz_64QAM_HCH_3690MHz_RB_100_0_NTNV





5. Peak-Average Ratio

5.1 Test Result

5.1.1 B48_5MHz

Band: 48 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	25	0	7.62	≤ 13	Pass
	3625	25	0	7.66	≤ 13	Pass
	3697.5	25	0	7.76	≤ 13	Pass
16QAM	3552.5	25	0	8.44	≤ 13	Pass
	3625	25	0	8.46	≤ 13	Pass
	3697.5	25	0	8.58	≤ 13	Pass
64QAM	3552.5	25	0	8.44	≤ 13	Pass
	3625	25	0	8.48	≤ 13	Pass
	3697.5	25	0	8.56	≤ 13	Pass

5.1.2 B48_10MHz

Band: 48 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	50	0	7.70	≤ 13	Pass
	3625	50	0	7.76	≤ 13	Pass
	3695	50	0	7.86	≤ 13	Pass
16QAM	3555	50	0	8.44	≤ 13	Pass
	3625	50	0	8.50	≤ 13	Pass
	3695	50	0	8.58	≤ 13	Pass
64QAM	3555	50	0	8.44	≤ 13	Pass
	3625	50	0	8.50	≤ 13	Pass
	3695	50	0	8.58	≤ 13	Pass

5.1.3 B48_15MHz

Band: 48 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	75	0	7.54	≤ 13	Pass
	3625	75	0	7.64	≤ 13	Pass
	3692.5	75	0	7.70	≤ 13	Pass
16QAM	3557.5	75	0	8.38	≤ 13	Pass
	3625	75	0	8.46	≤ 13	Pass
	3692.5	75	0	8.50	≤ 13	Pass
64QAM	3557.5	75	0	8.38	≤ 13	Pass
	3625	75	0	8.46	≤ 13	Pass
	3692.5	75	0	8.50	≤ 13	Pass

5.1.4 B48_20MHz

Band: 48 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	100	0	7.58	≤ 13	Pass
	3625	100	0	7.68	≤ 13	Pass



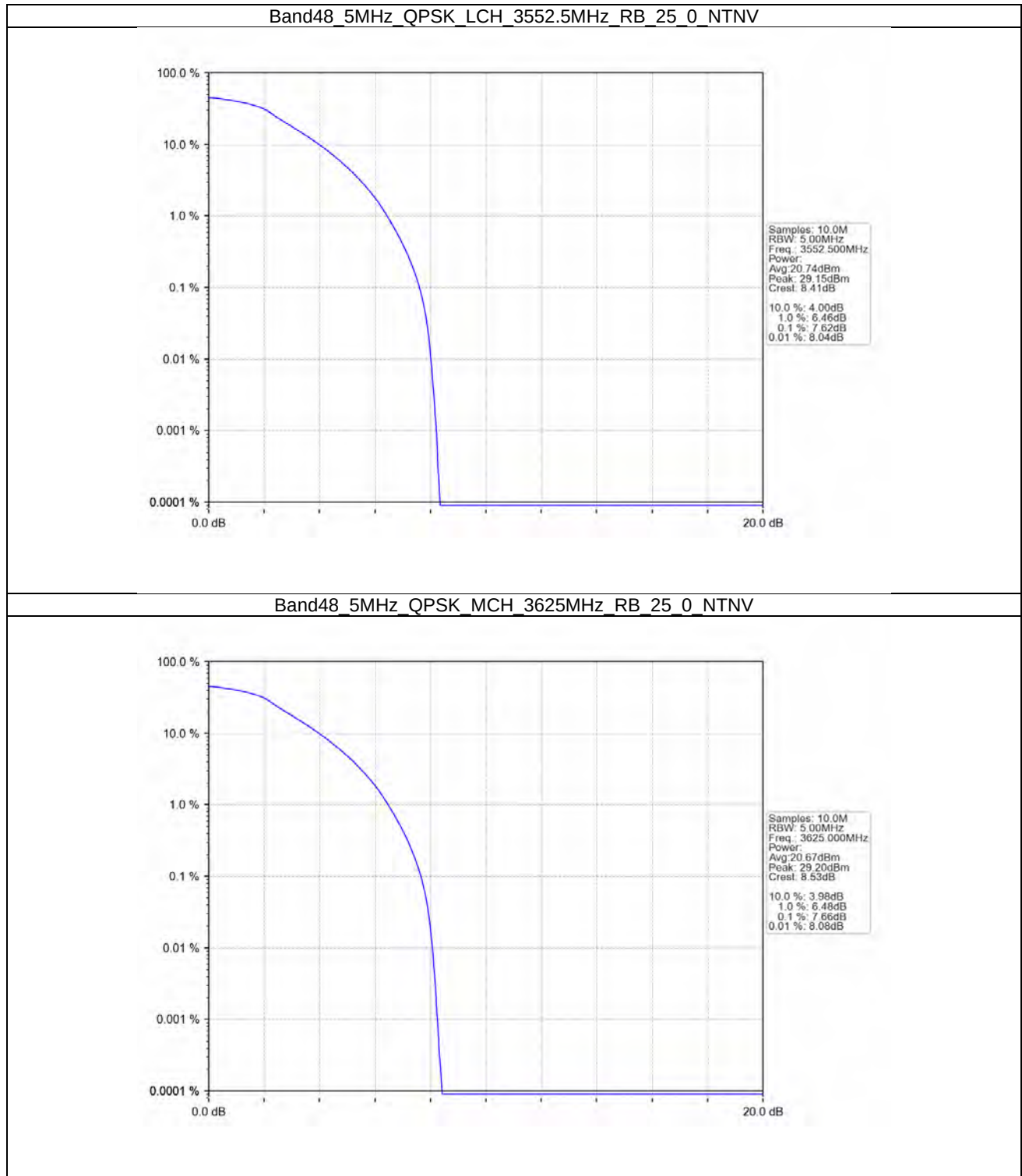
No.: PSU-NQN2412170317RF01
FCC ID: 2AANY-ER815NRQ3

	3690	100	0	7.72	<=13	Pass
16QAM	3560	100	0	8.40	<=13	Pass
	3625	100	0	8.46	<=13	Pass
	3690	100	0	8.50	<=13	Pass
	3560	100	0	8.38	<=13	Pass
64QAM	3625	100	0	8.44	<=13	Pass
	3690	100	0	8.50	<=13	Pass



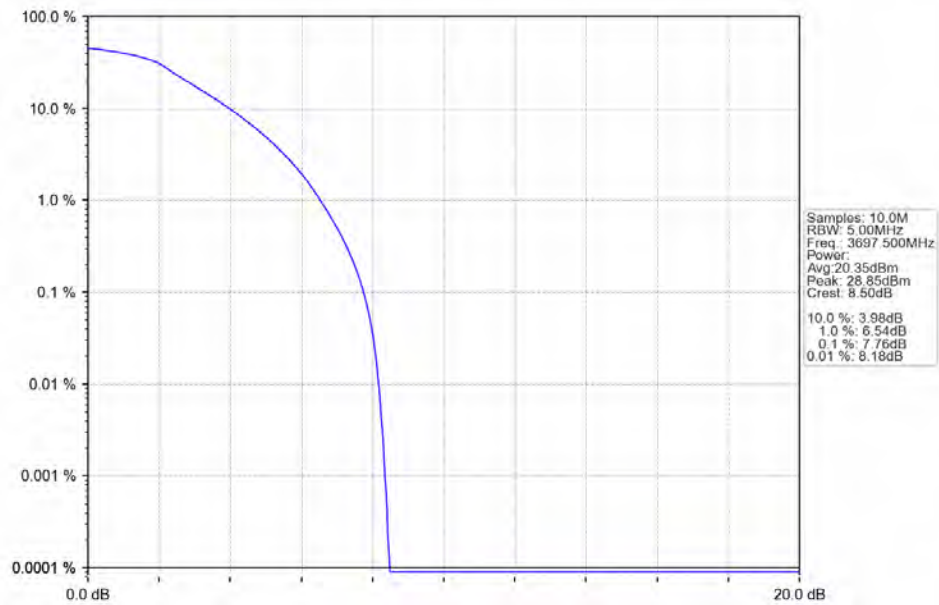
5.2 Test Graph

5.2.1 B48_5MHz

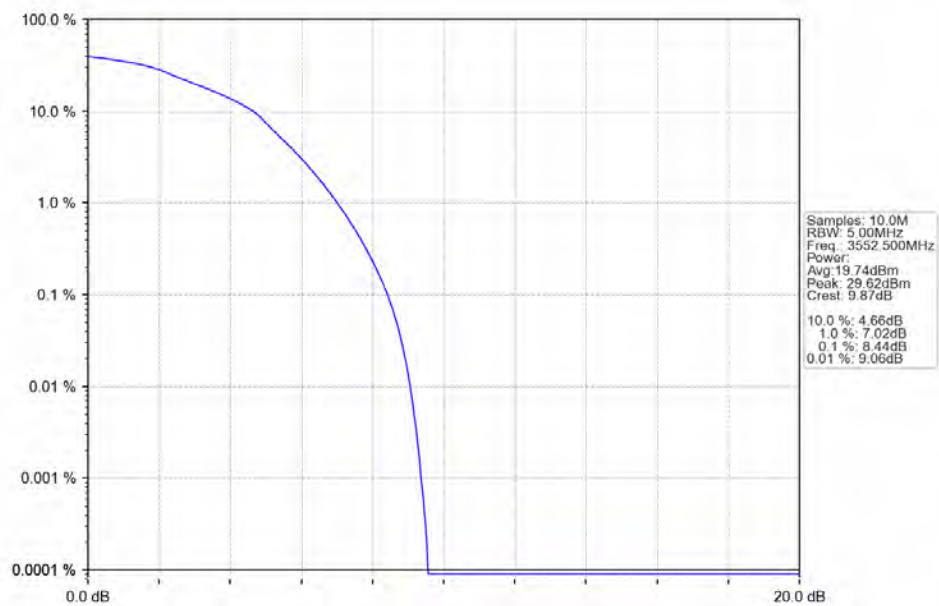




Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV

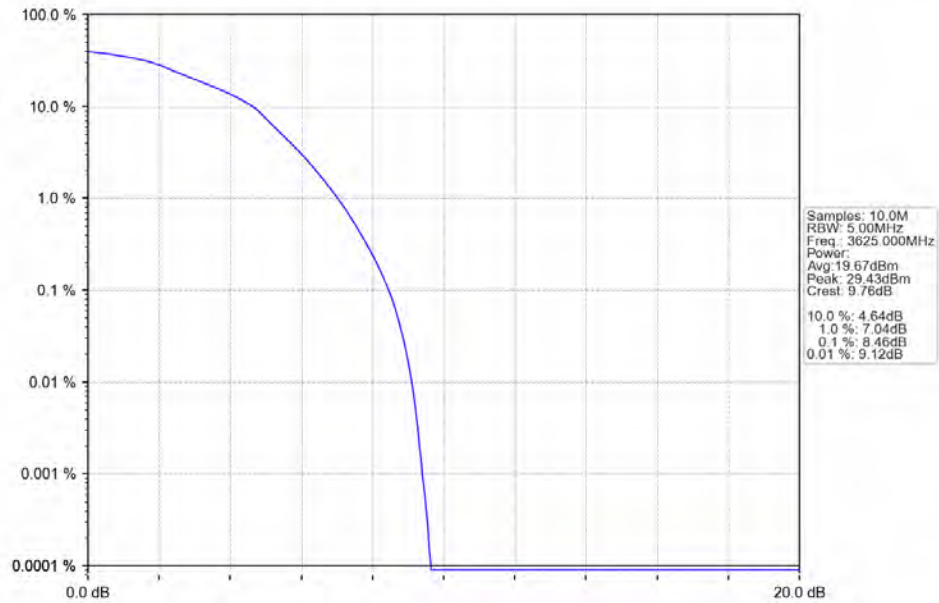


Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV

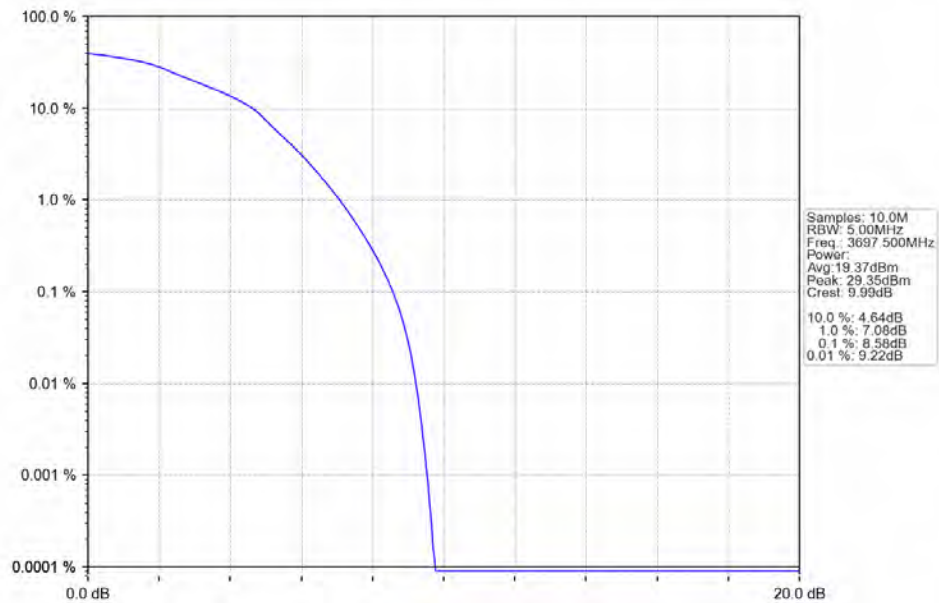




Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV

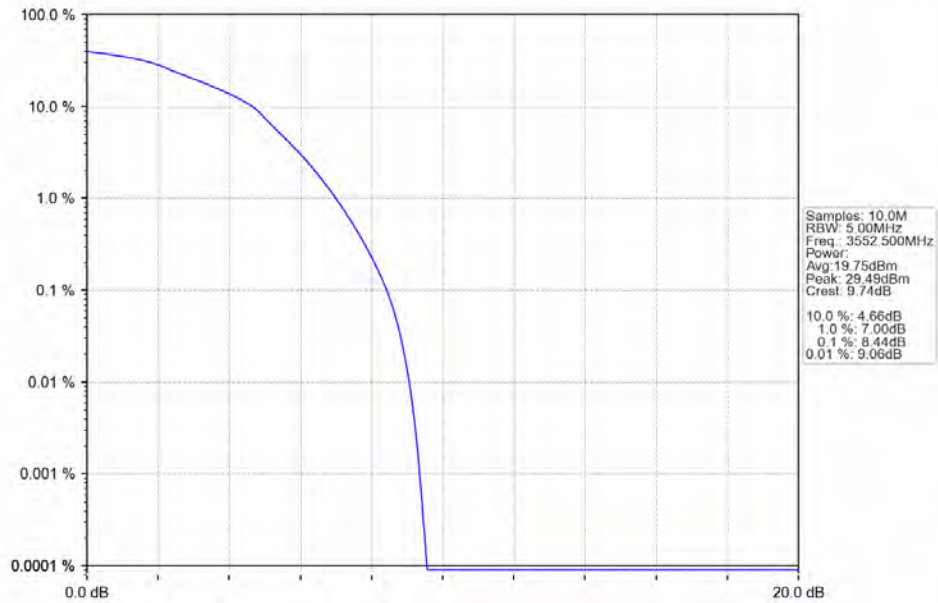


Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV

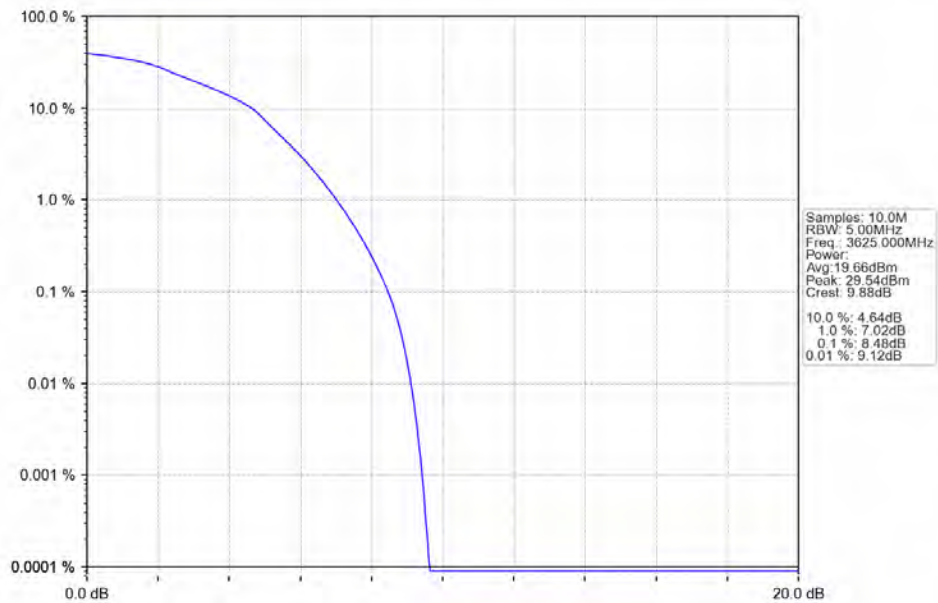




Band48_5MHz_64QAM_LCH_3552.5MHz_RB_25_0_NTNV

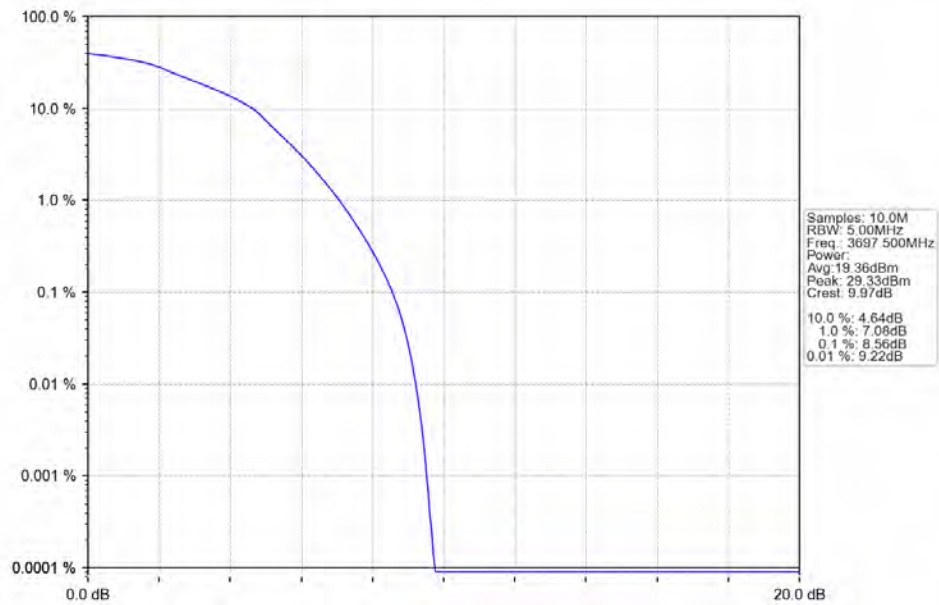


Band48_5MHz_64QAM_MCH_3625MHz_RB_25_0_NTNV





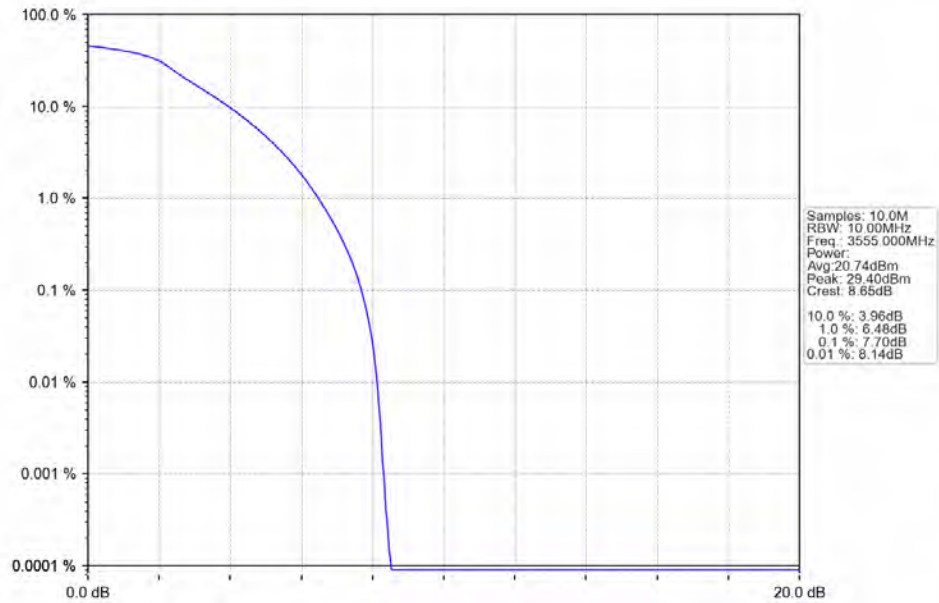
Band48_5MHz_64QAM_HCH_3697.5MHz_RB_25_0_NTNV



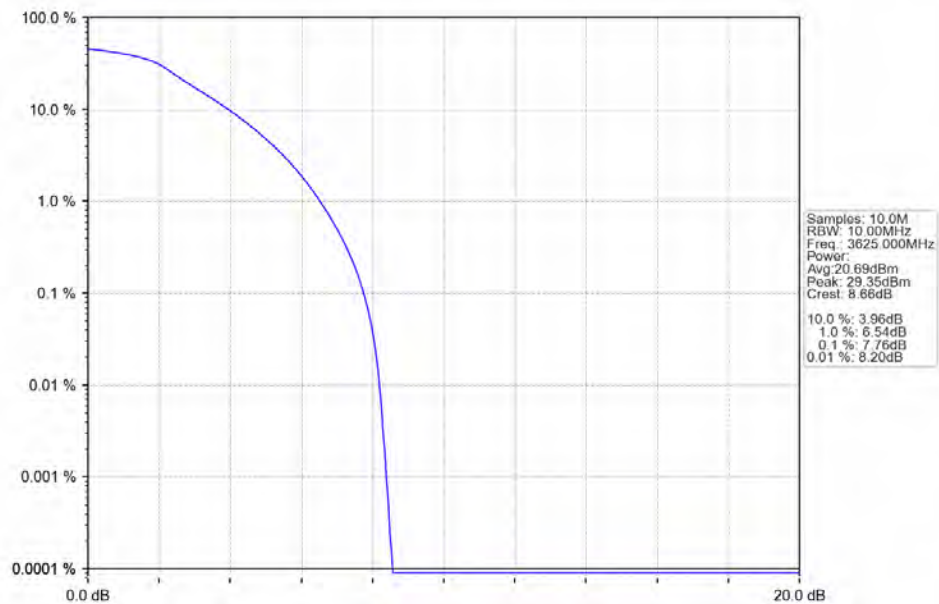


5.2.2 B48_10MHz

Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV

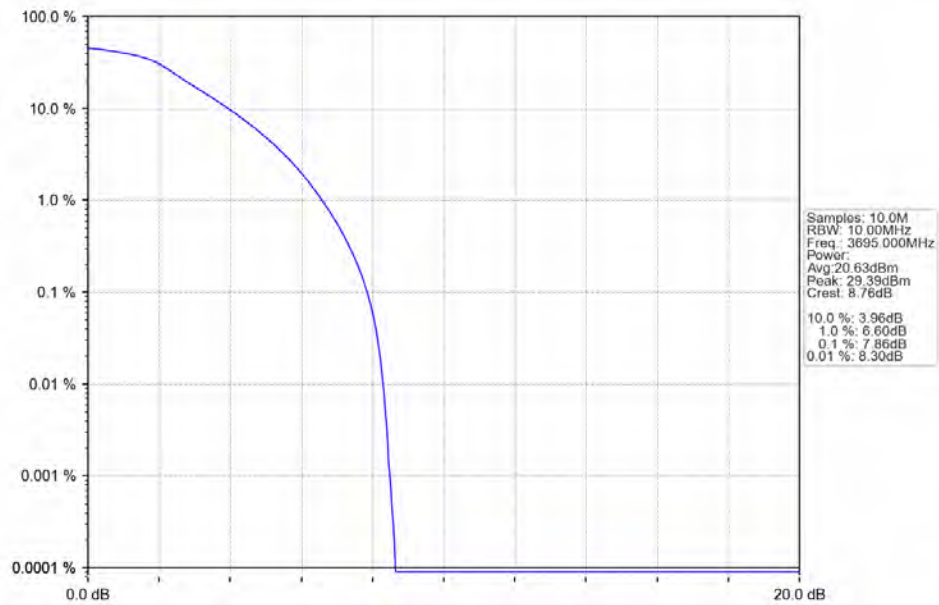


Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV

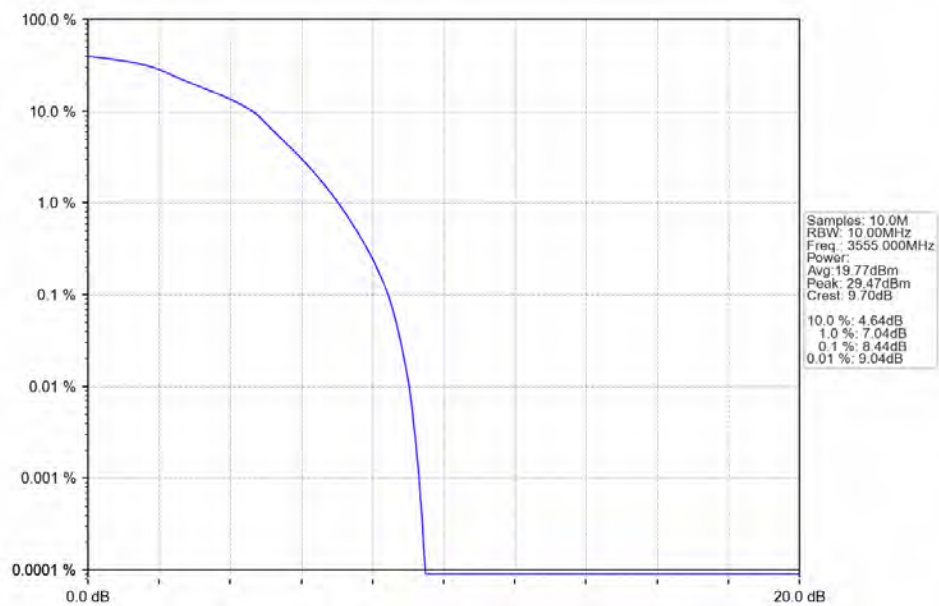




Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV

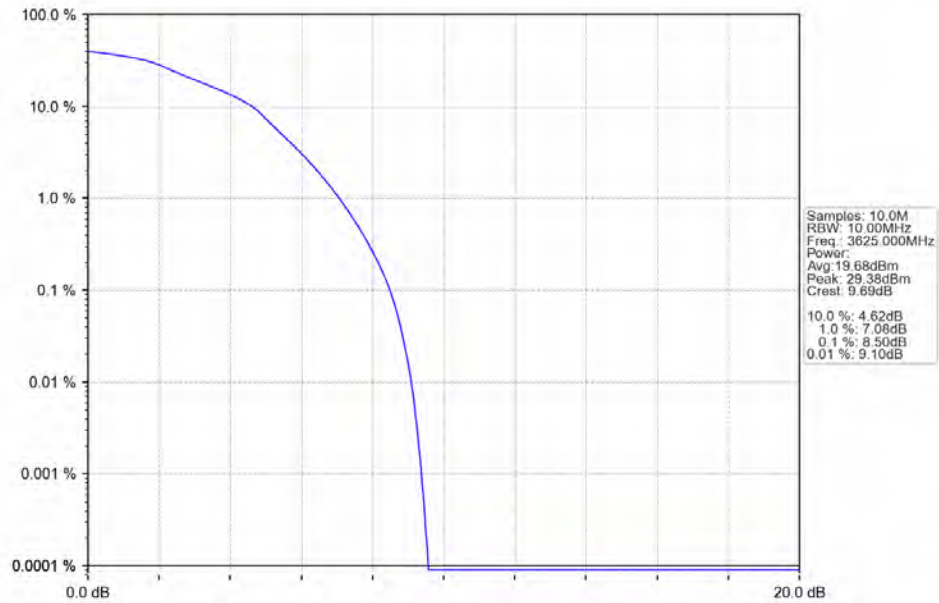


Band48_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV

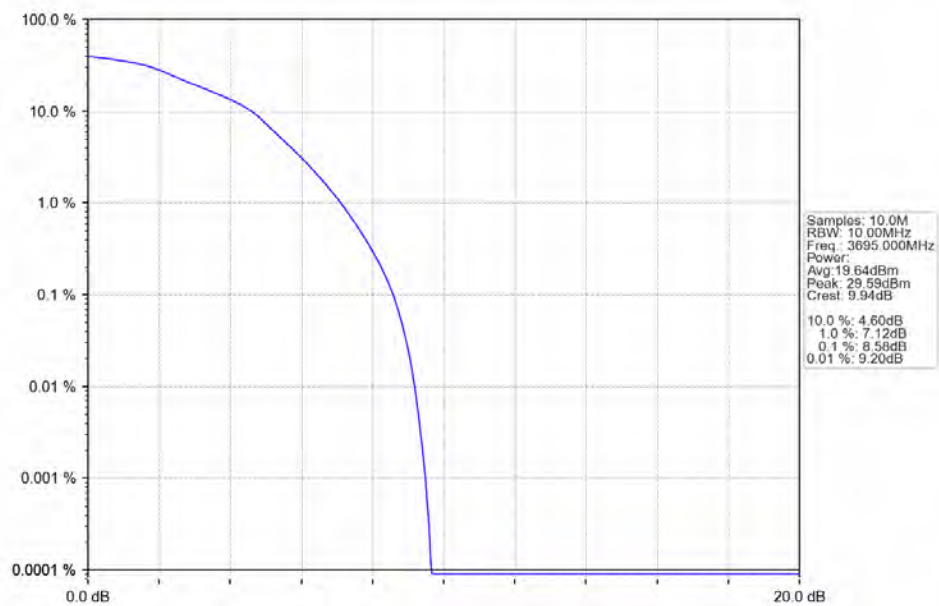




Band48_10MHz_16QAM_MCH_3625MHz_RB_50_0_NTNV

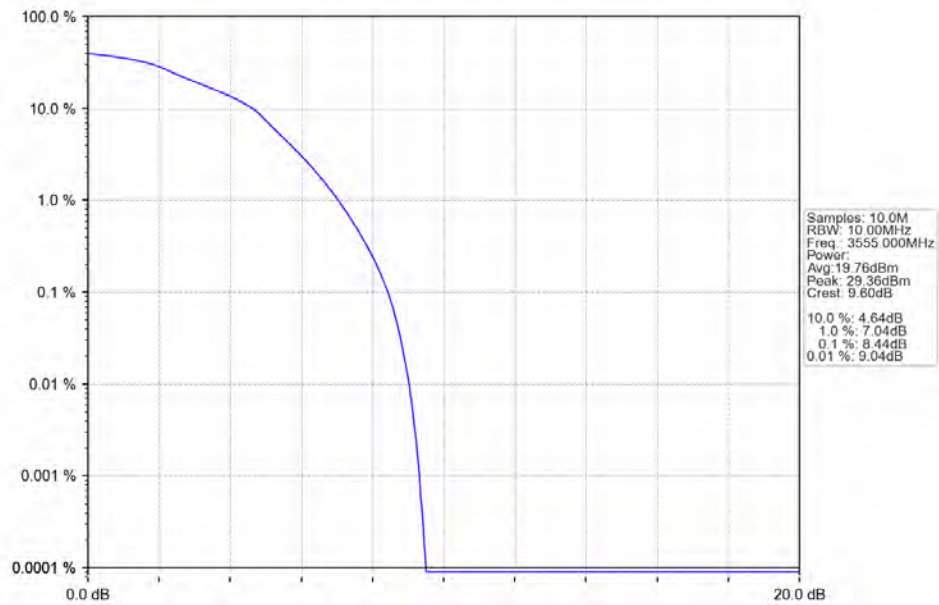


Band48_10MHz_16QAM_HCH_3695MHz_RB_50_0_NTNV

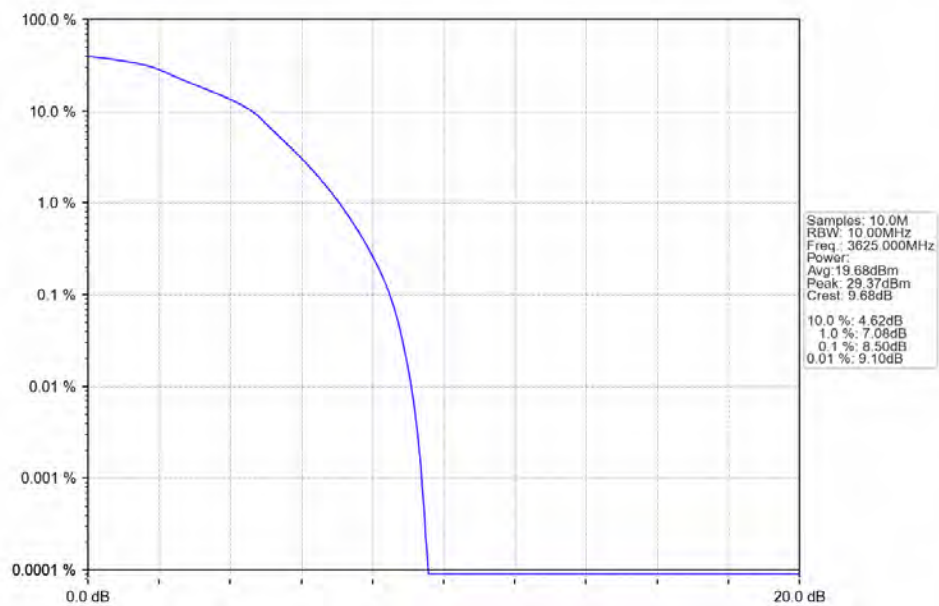




Band48_10MHz_64QAM_LCH_3555MHz_RB_50_0_NTNV

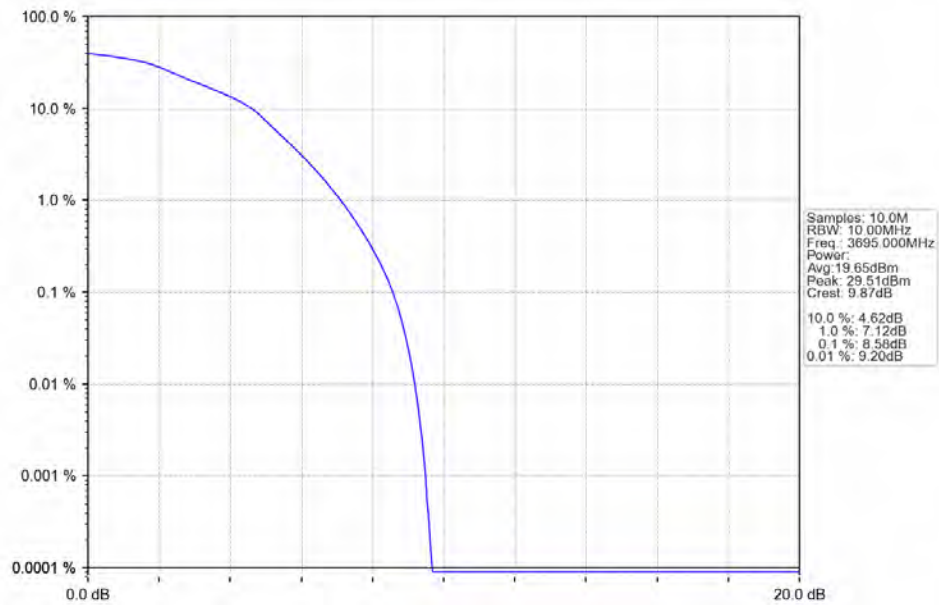


Band48_10MHz_64QAM_MCH_3625MHz_RB_50_0_NTNV





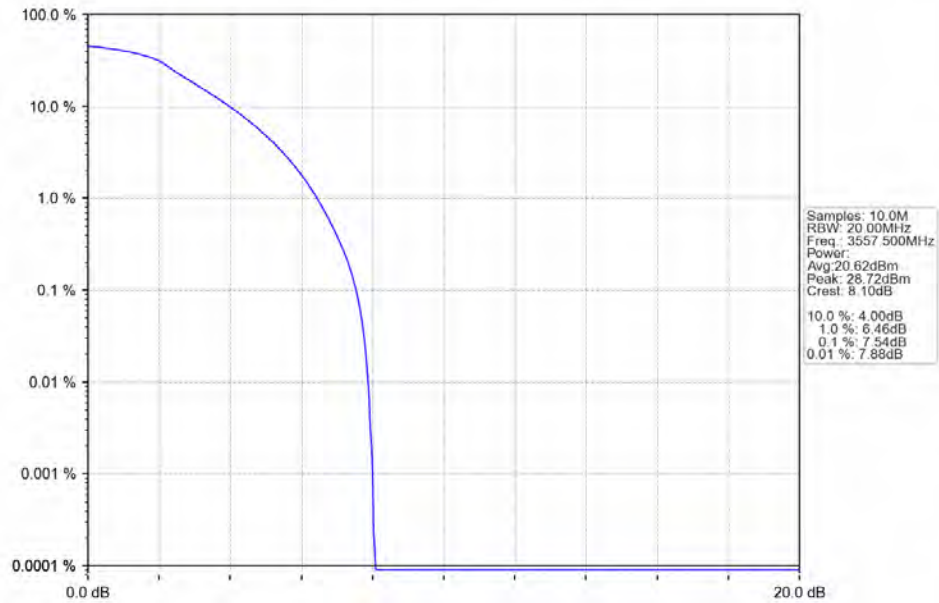
Band48_10MHz_64QAM_HCH_3695MHz_RB_50_0_NTNV



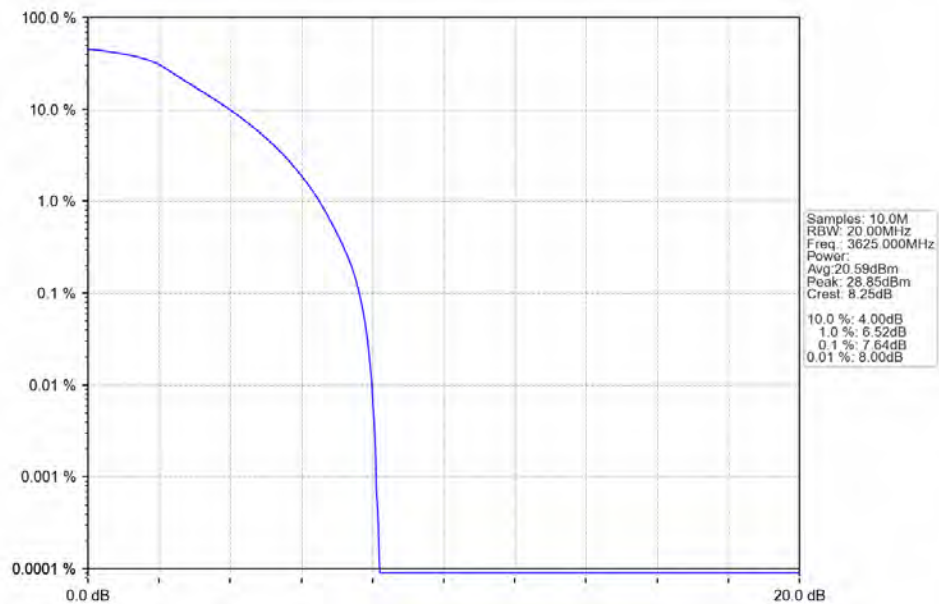


5.2.3 B48_15MHz

Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV

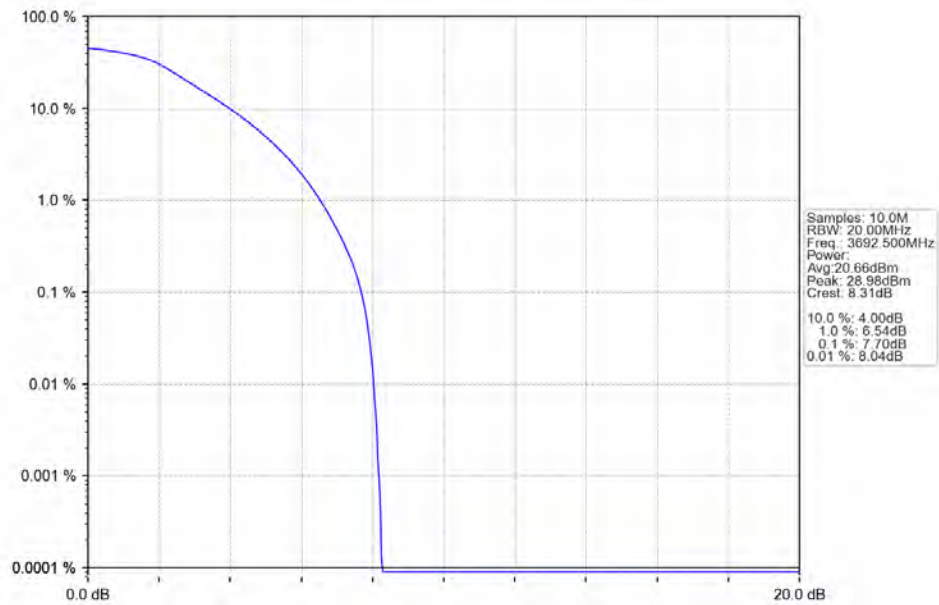


Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV

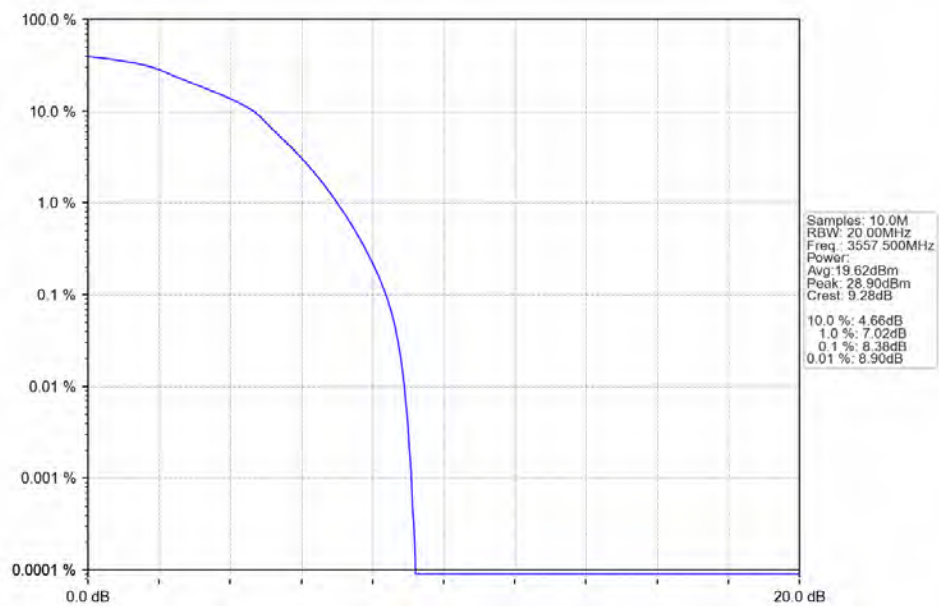




Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV

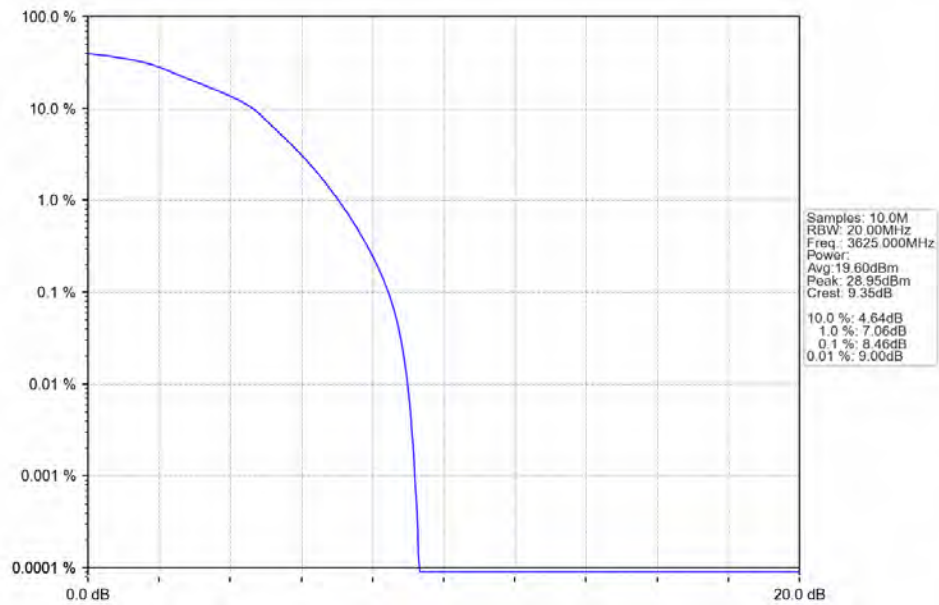


Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV

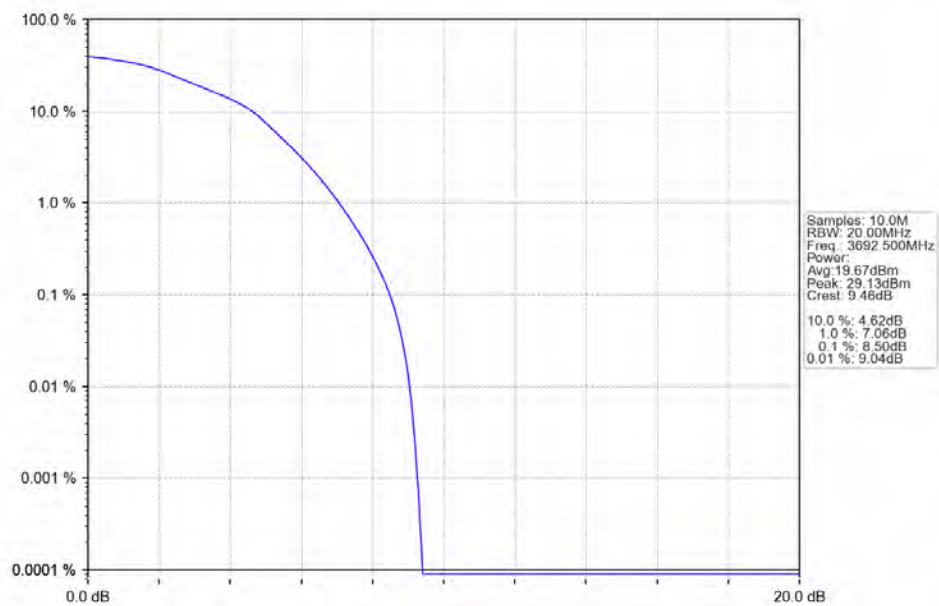




Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV

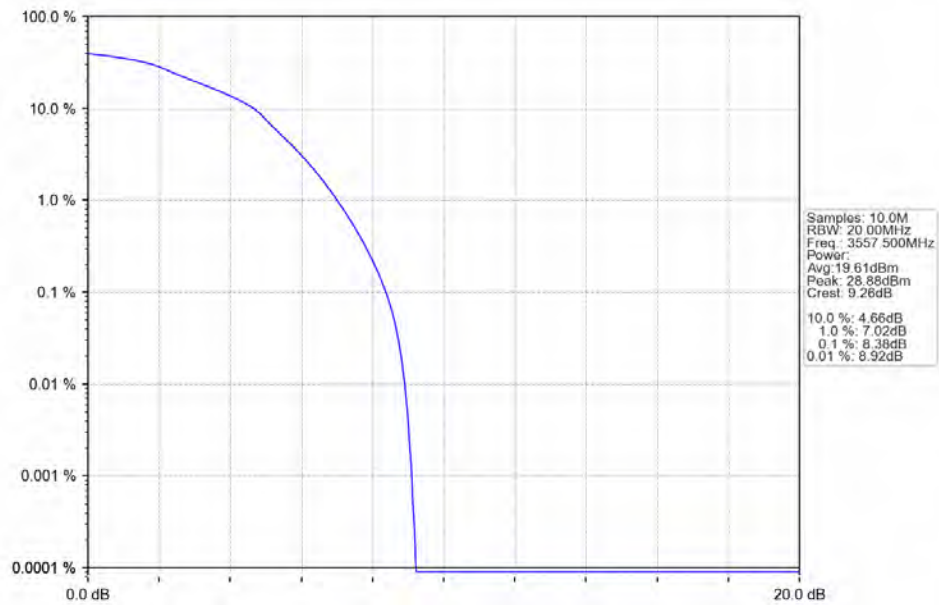


Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV

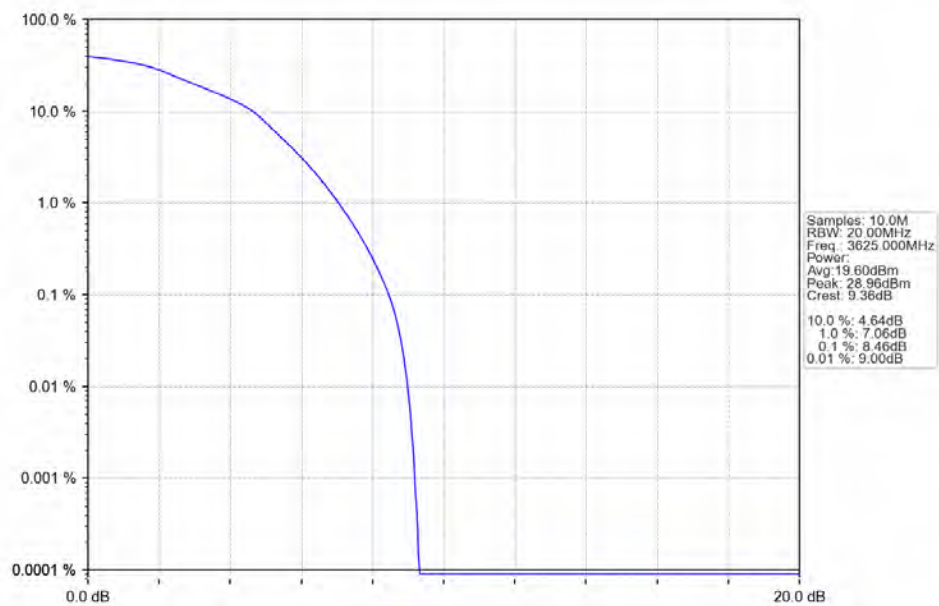




Band48_15MHz_64QAM_LCH_3557.5MHz_RB_75_0_NTNV



Band48_15MHz_64QAM_MCH_3625MHz_RB_75_0_NTNV

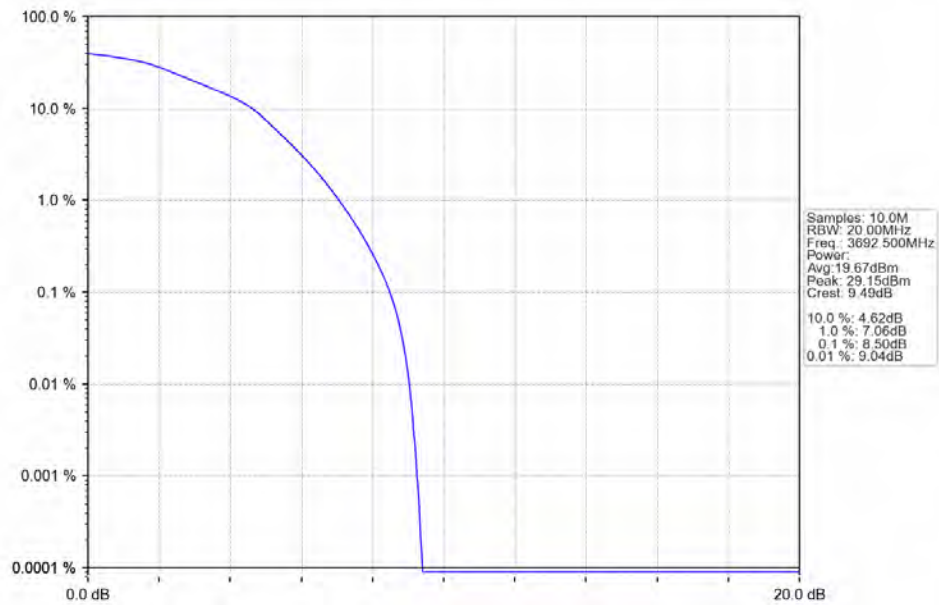




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No.: PSU-NQN2412170317RF01
FCC ID: 2AANY-ER815NRQ3

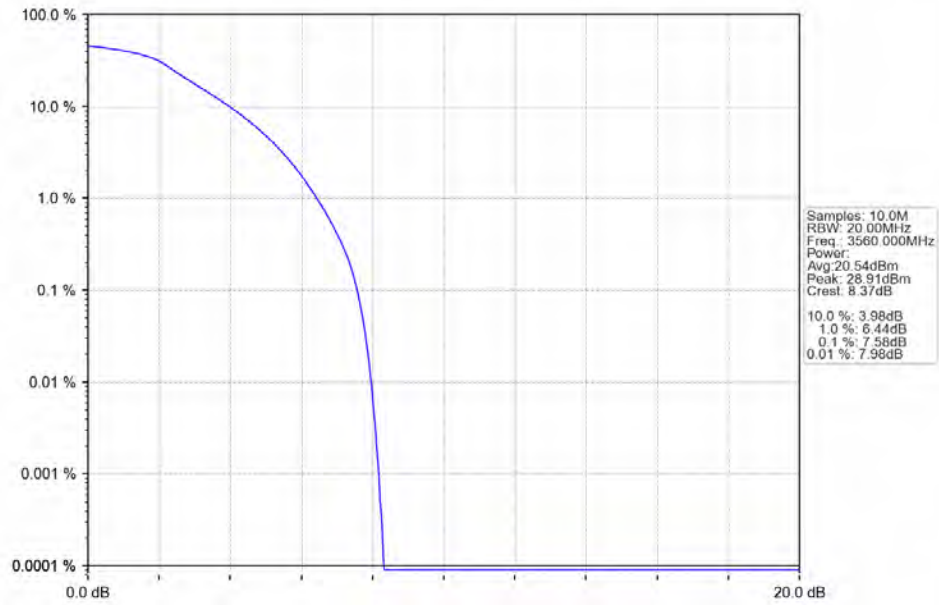
Band48_15MHz_64QAM_HCH_3692.5MHz_RB_75_0_NTNV



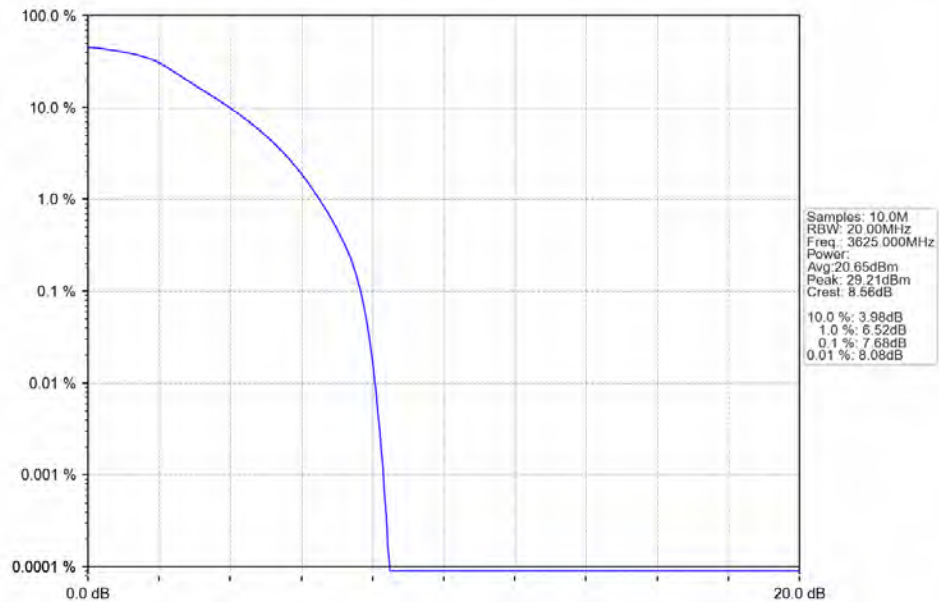


5.2.4 B48_20MHz

Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV

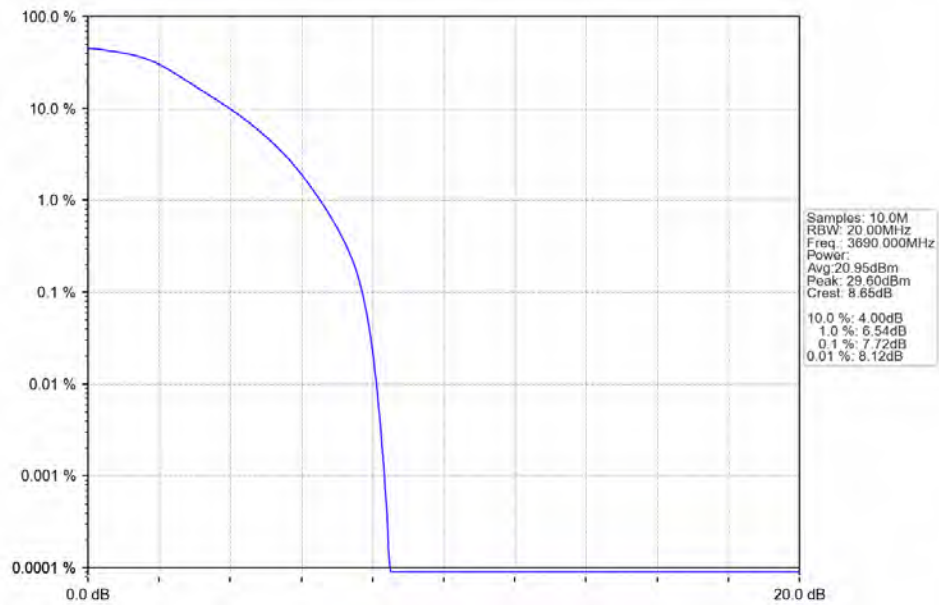


Band48_20MHz_QPSK_MCH_3625MHz_RB_100_0_NTNV

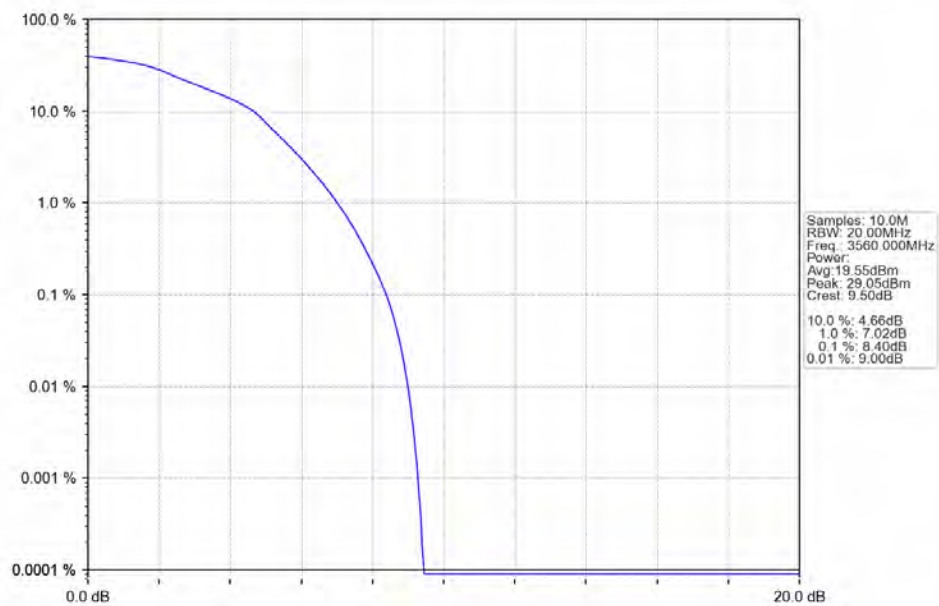




Band48_20MHz_QPSK_HCH_3690MHz_RB_100_0_NTNV

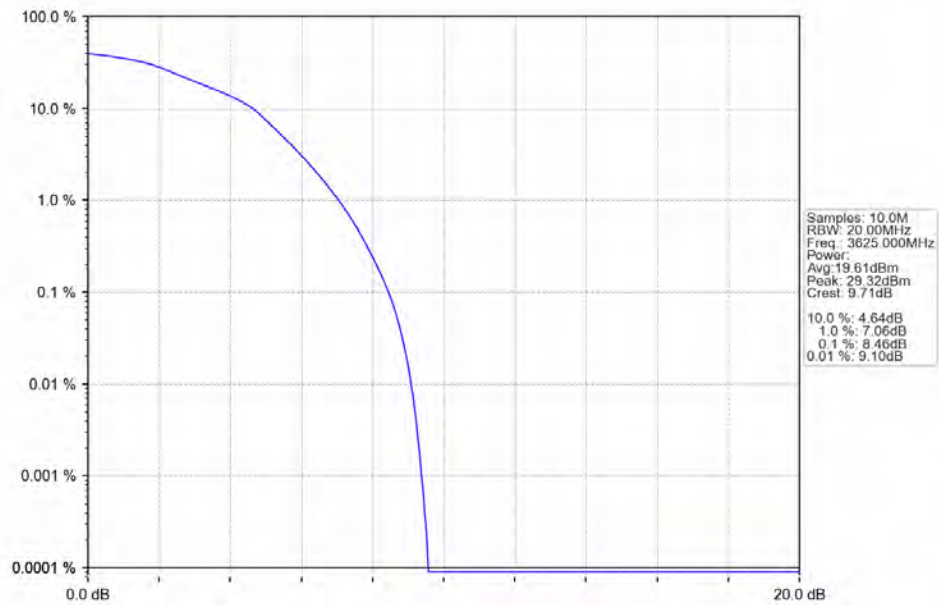


Band48_20MHz_16QAM_LCH_3560MHz_RB_100_0_NTNV

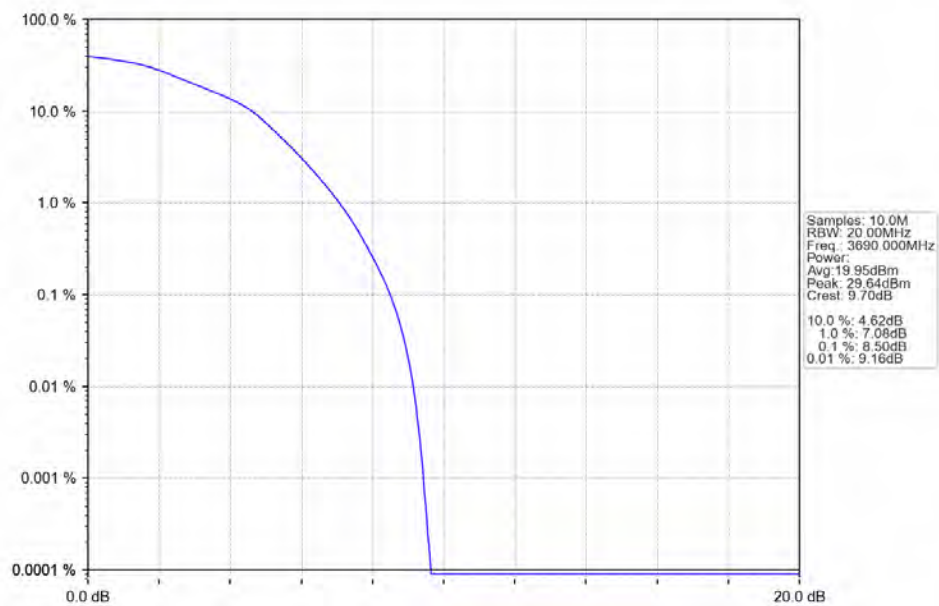




Band48_20MHz_16QAM_MCH_3625MHz_RB_100_0_NTNV

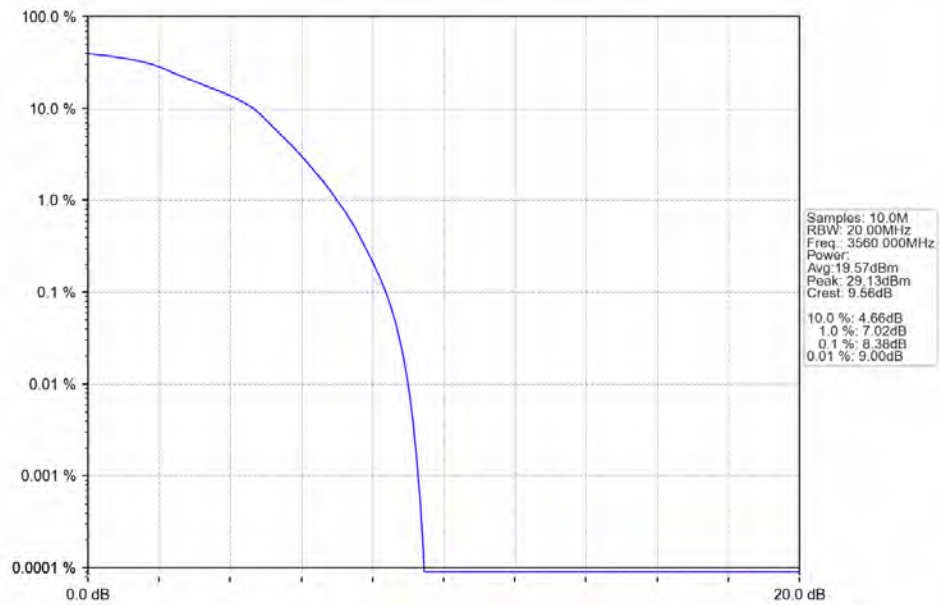


Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV

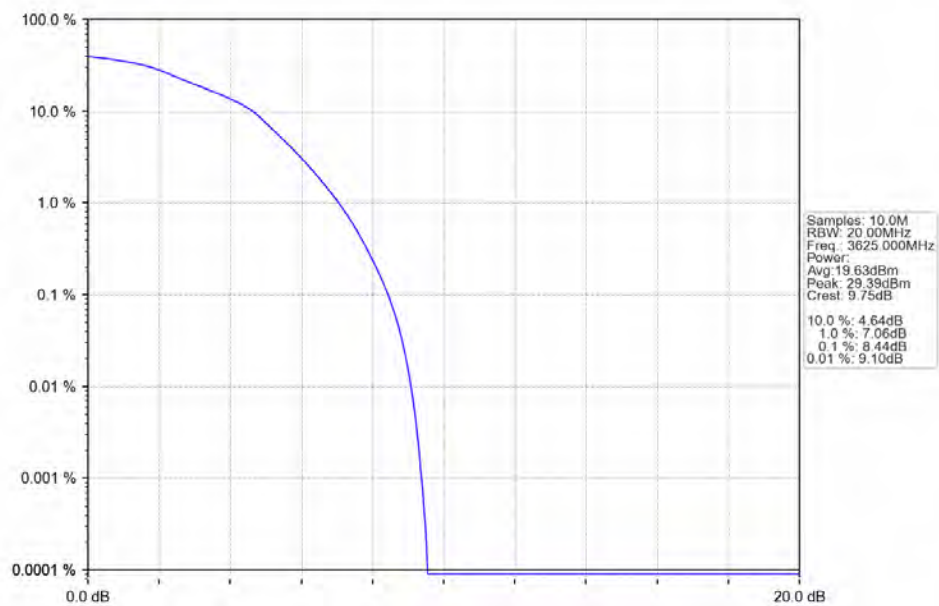




Band48_20MHz_64QAM_LCH_3560MHz_RB_100_0_NTNV



Band48_20MHz_64QAM_MCH_3625MHz_RB_100_0_NTNV

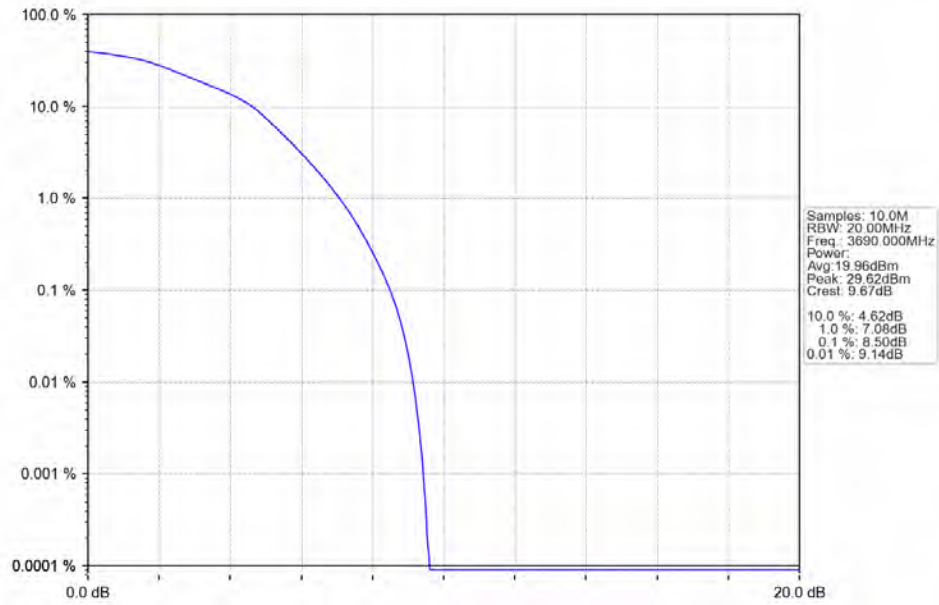




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No.: PSU-NQN2412170317RF01
FCC ID: 2AANY-ER815NRQ3

Band48_20MHz_64QAM_HCH_3690MHz_RB_100_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B48_5MHz

Band: 48 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	3552.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	3625	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	3697.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
16QAM	3552.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	3625	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	3697.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
64QAM	3552.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	3625	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	3697.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.2 B48_10MHz

Band: 48 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	3555	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	3625	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	3695	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
16QAM	3555	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	3625	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass



64QAM	3695	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	3555	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	3625	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	3695	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

6.1.3 B48_15MHz

Band: 48 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3692.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	3557.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3692.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
64QAM	3557.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3692.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

6.1.4 B48_20MHz

Band: 48 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3690	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

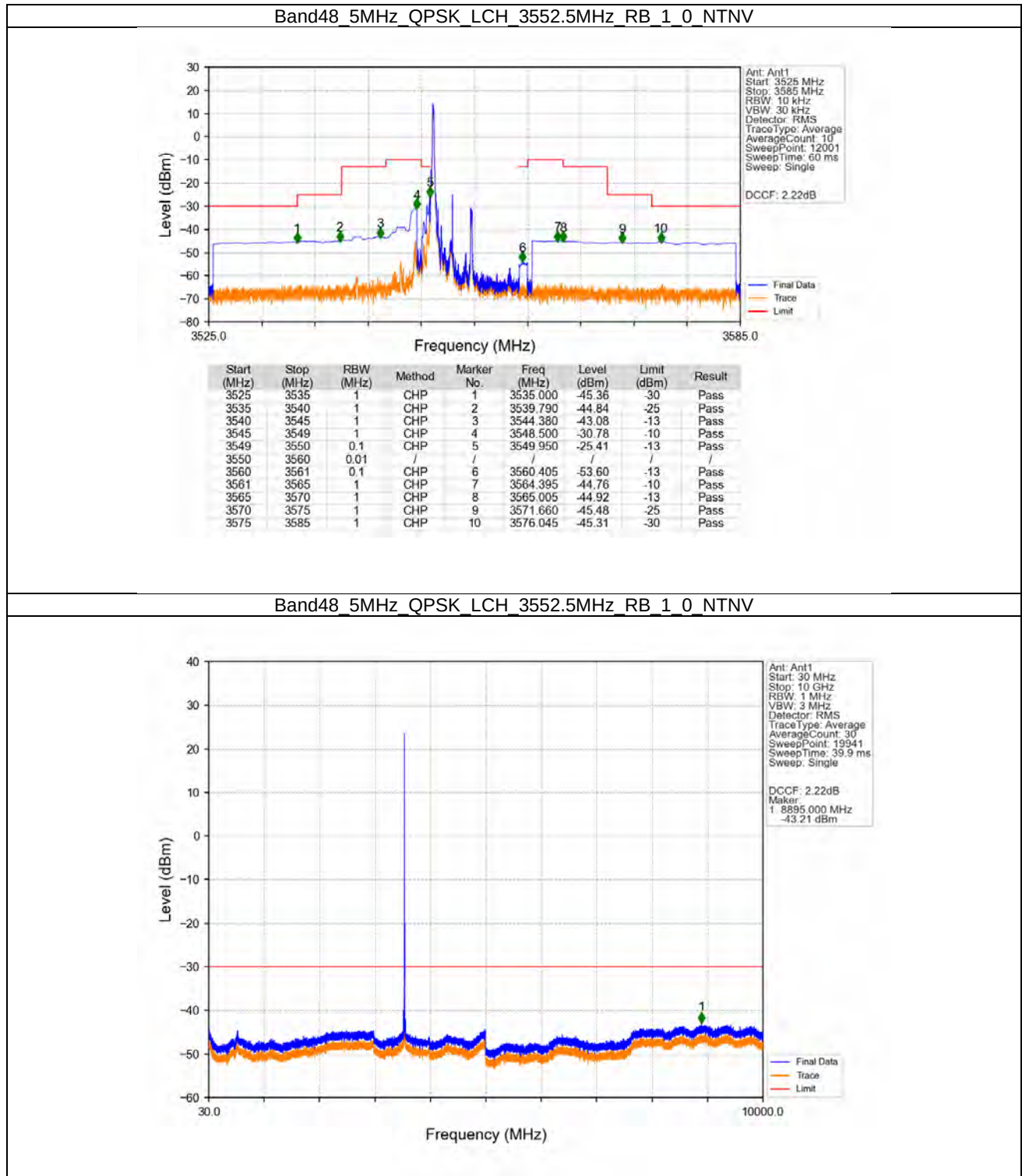


16QAM	3560	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	3625	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	3690	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
64QAM	3560	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	3625	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	3690	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass



6.2 Test Graph

6.2.1 B48_5MHz

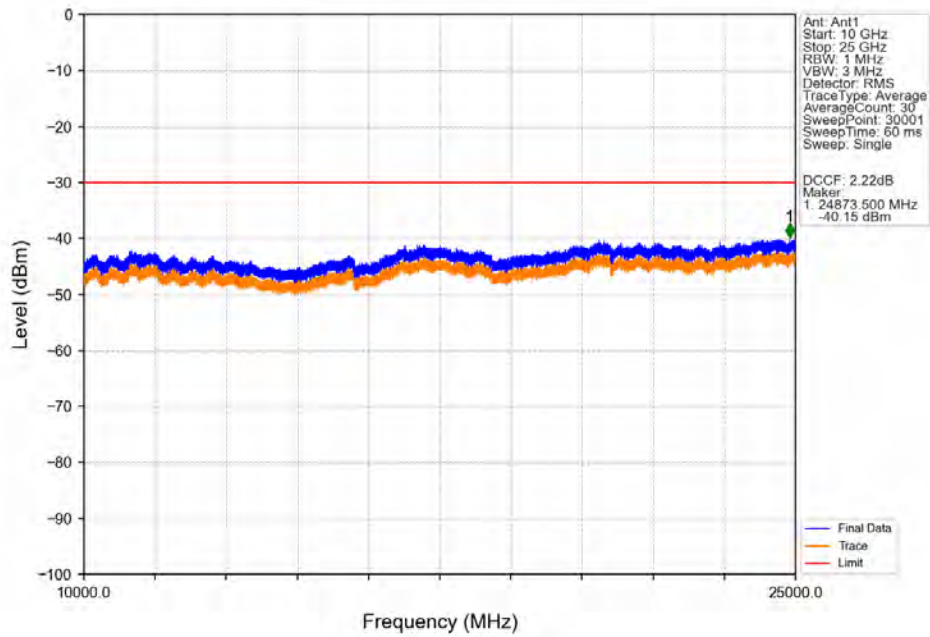




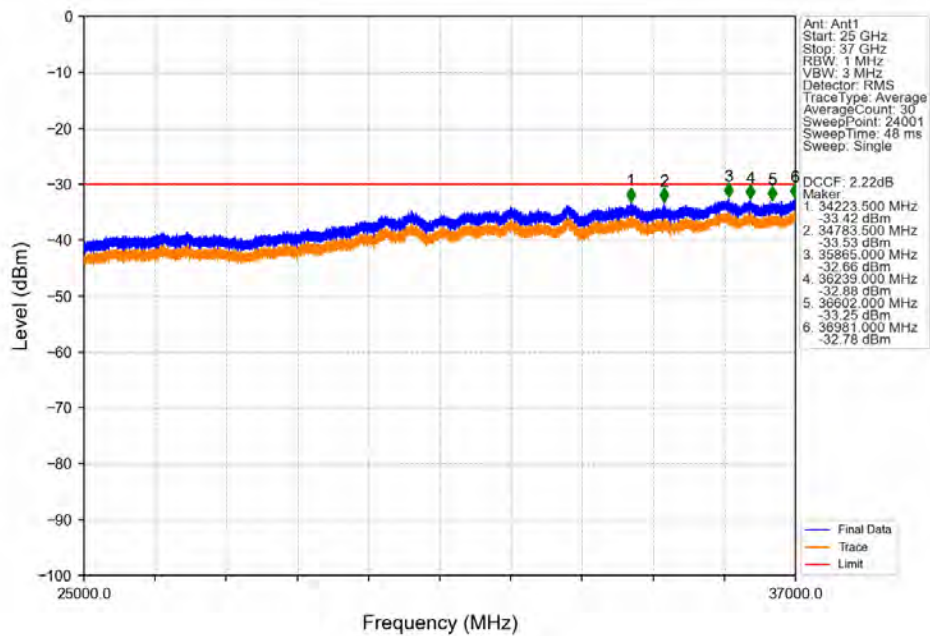
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VERITAS

No.: PSU-NQN2412170317RF01
FCC ID: 2AANY-ER815NRQ3

Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV

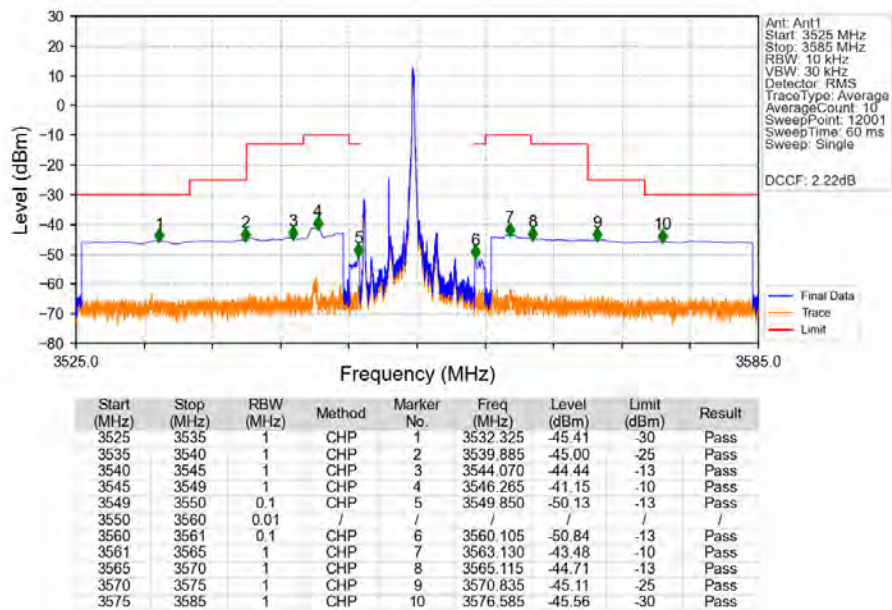


Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV

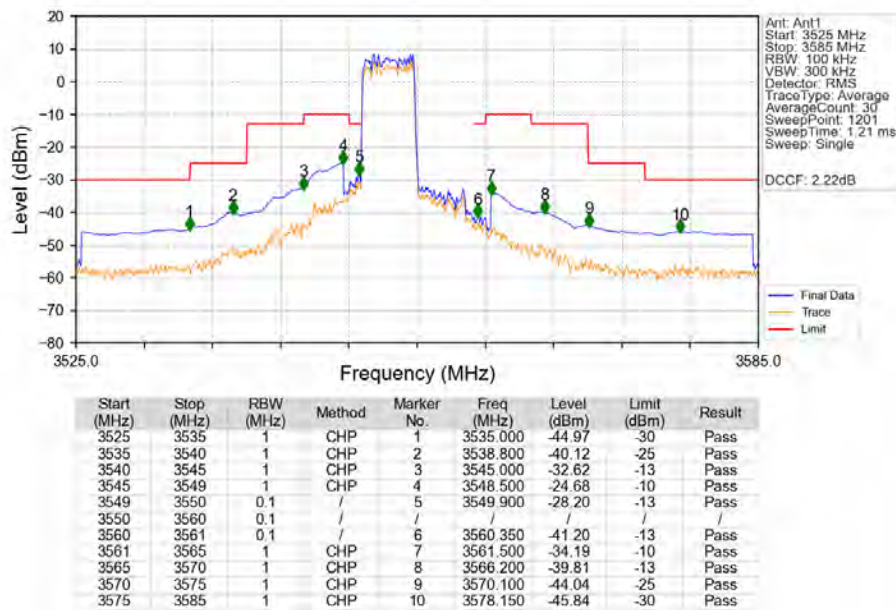




Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_24_NTNV

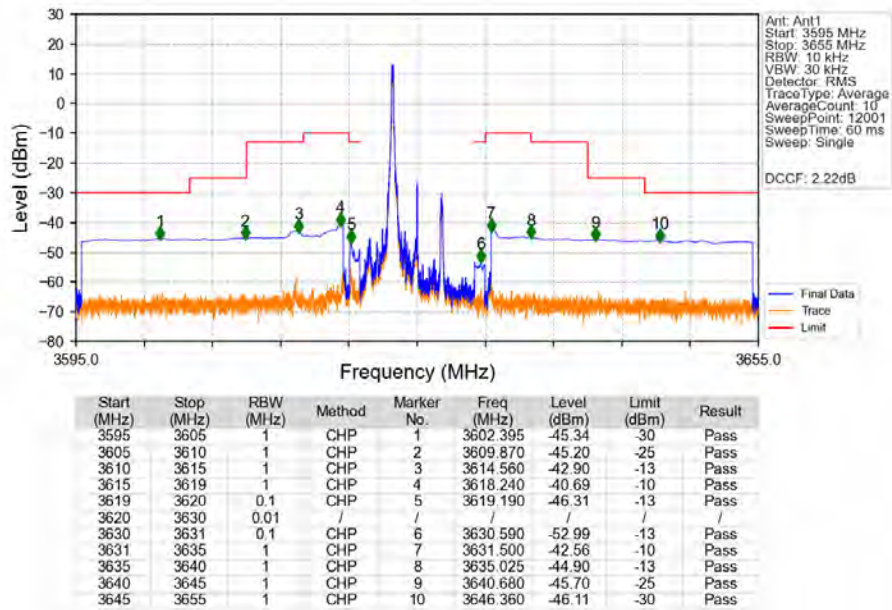


Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV

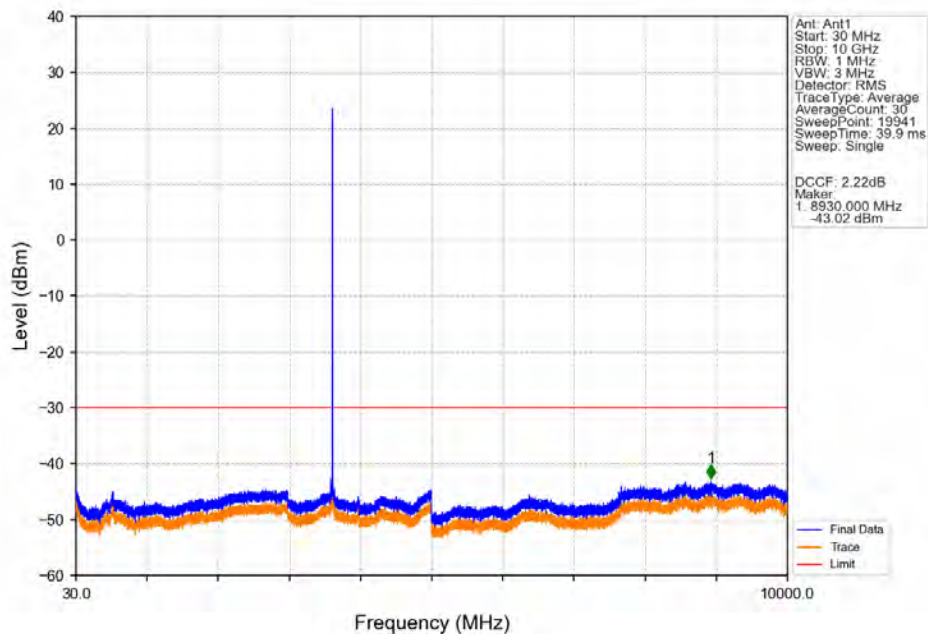




Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV

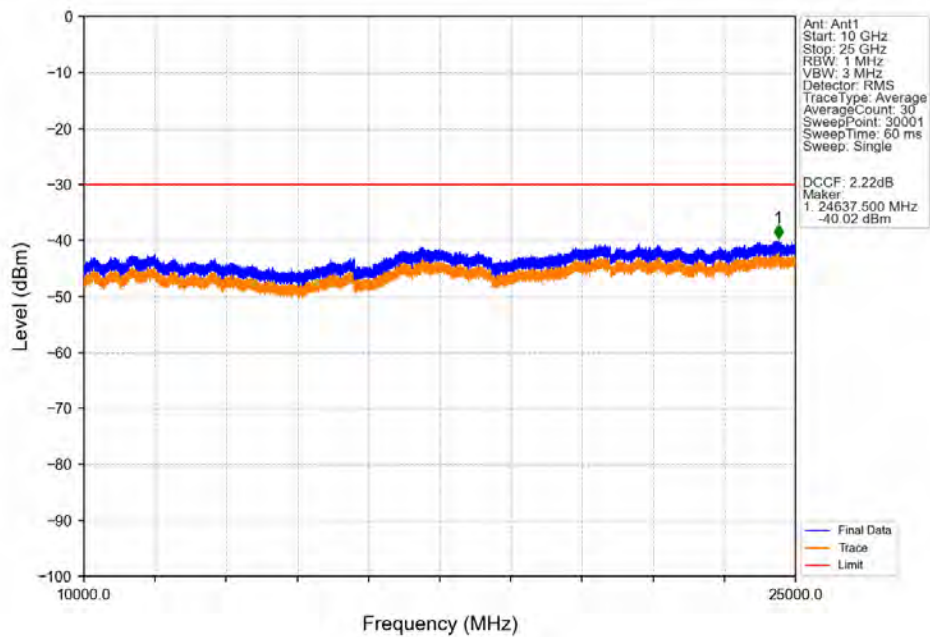


Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV

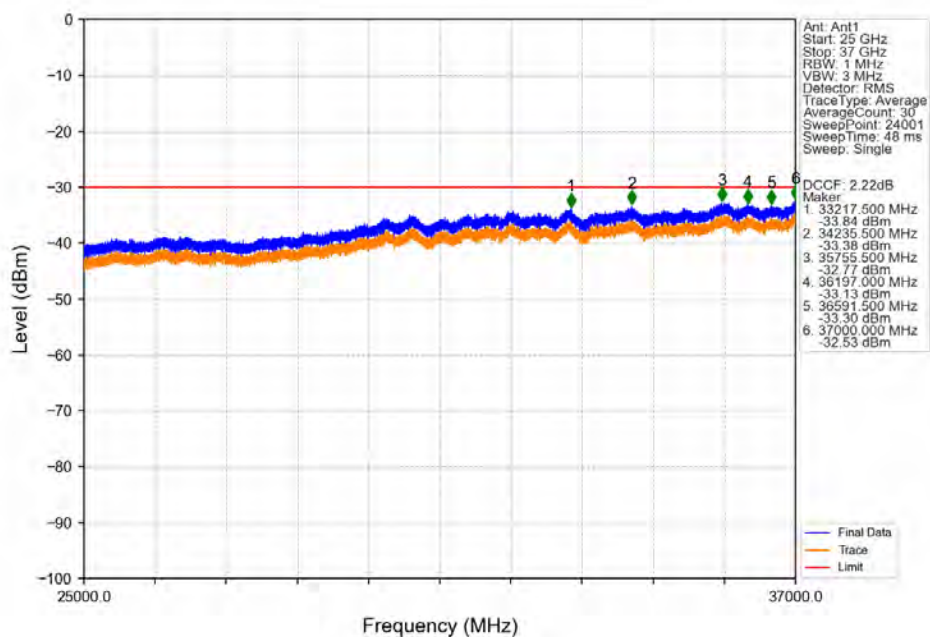




Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV

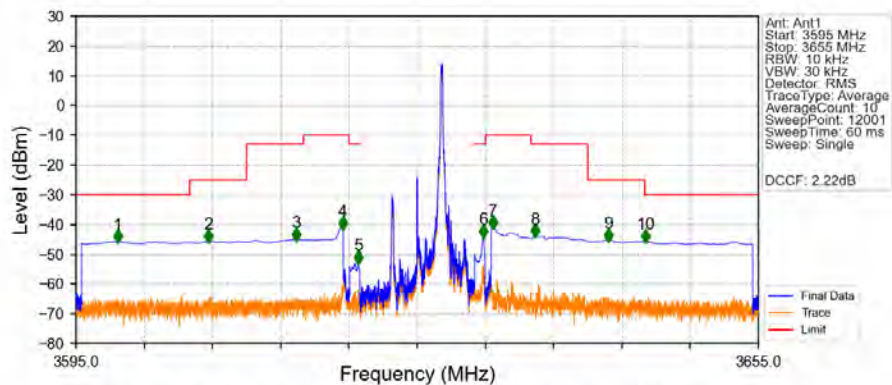


Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



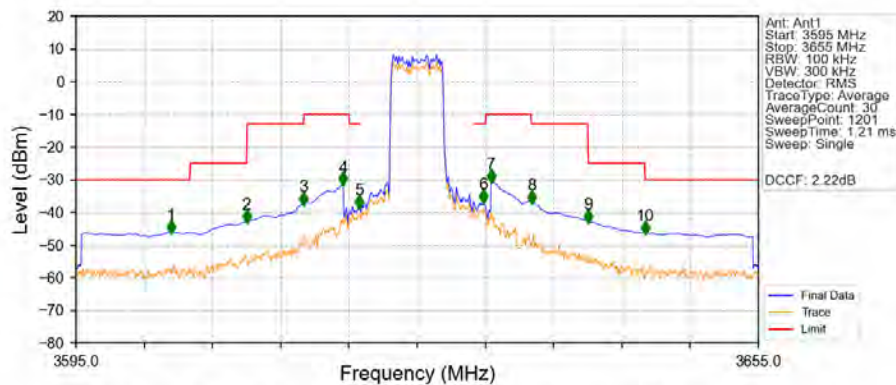


Band48_5MHz_QPSK_MCH_3625MHz_RB 1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3595	3605	1	CHP	1	3598.665	-45.68	-30	Pass
3605	3610	1	CHP	2	3606.625	-45.62	-25	Pass
3610	3615	1	CHP	3	3614.375	-44.99	-13	Pass
3615	3619	1	CHP	4	3618.460	-41.33	-10	Pass
3619	3620	0.1	CHP	5	3619.825	-52.62	-13	Pass
3620	3630	0.01	/	/	/	/	/	/
3630	3631	0.1	CHP	6	3630.800	-43.93	-13	Pass
3631	3635	1	CHP	7	3631.665	-41.11	-10	Pass
3635	3640	1	CHP	8	3635.340	-43.80	-13	Pass
3640	3645	1	CHP	9	3641.785	-45.25	-25	Pass
3645	3655	1	CHP	10	3645.080	-45.63	-30	Pass

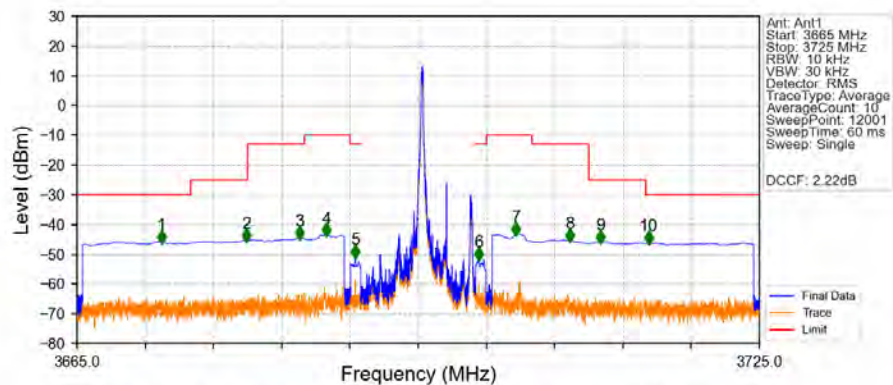
Band48_5MHz_QPSK_MCH_3625MHz_RB 25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3595	3605	1	CHP	1	3603.350	-45.92	-30	Pass
3605	3610	1	CHP	2	3610.000	-42.74	-25	Pass
3610	3615	1	CHP	3	3615.000	-37.28	-13	Pass
3615	3619	1	CHP	4	3618.500	-31.33	-10	Pass
3619	3620	0.1	/	5	3619.900	-38.30	-13	Pass
3620	3630	0.1	/	/	/	/	/	/
3630	3631	0.1	/	6	3630.850	-36.64	-13	Pass
3631	3635	1	CHP	7	3631.500	-30.44	-10	Pass
3635	3640	1	CHP	8	3635.050	-36.86	-13	Pass
3640	3645	1	CHP	9	3640.050	-42.77	-25	Pass
3645	3655	1	CHP	10	3645.050	-46.22	-30	Pass

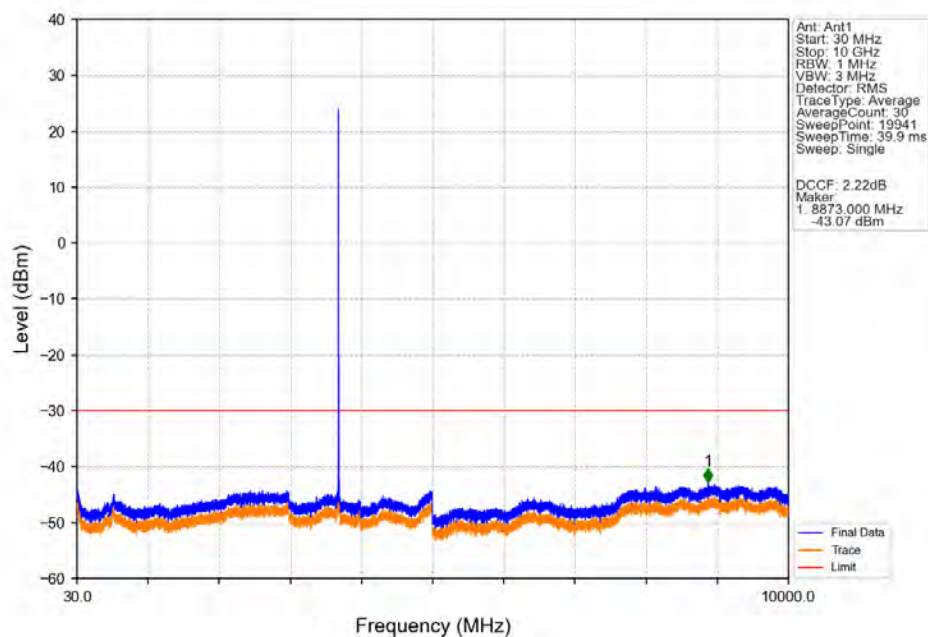


Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



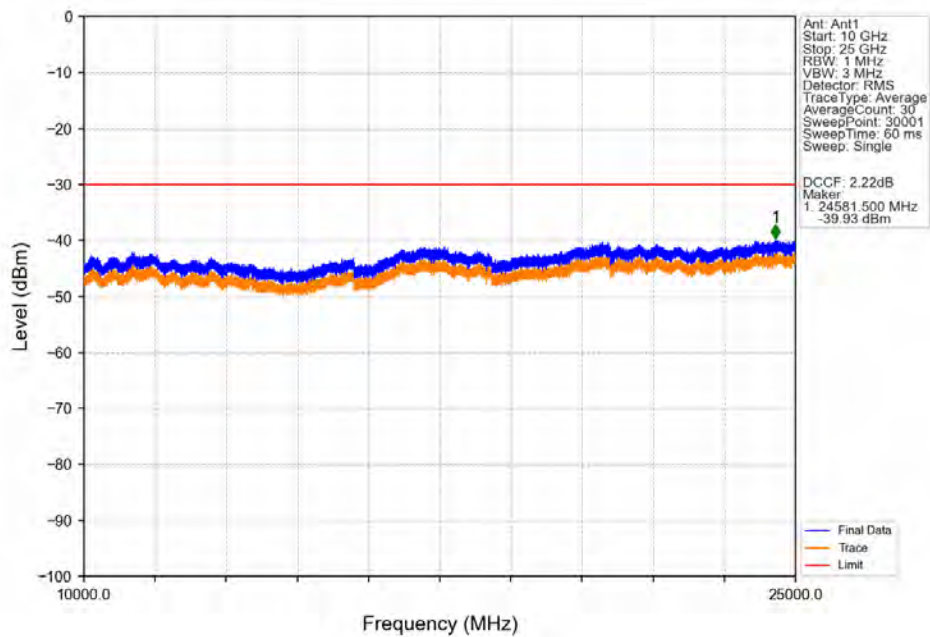
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3665	3675	1	CHP	1	3672.425	-45.77	-30	Pass
3675	3680	1	CHP	2	3679.900	-45.40	-25	Pass
3680	3685	1	CHP	3	3684.565	-44.54	-13	Pass
3685	3689	1	CHP	4	3686.925	-43.53	-10	Pass
3689	3690	0.1	CHP	5	3689.460	-50.72	-13	Pass
3690	3700	0.01	/	/	/	/	/	/
3700	3701	0.1	CHP	6	3700.325	-51.52	-13	Pass
3701	3705	1	CHP	7	3703.610	-43.19	-10	Pass
3705	3710	1	CHP	8	3708.310	-45.22	-13	Pass
3710	3715	1	CHP	9	3711.030	-45.81	-25	Pass
3715	3725	1	CHP	10	3715.265	-46.21	-30	Pass

Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV

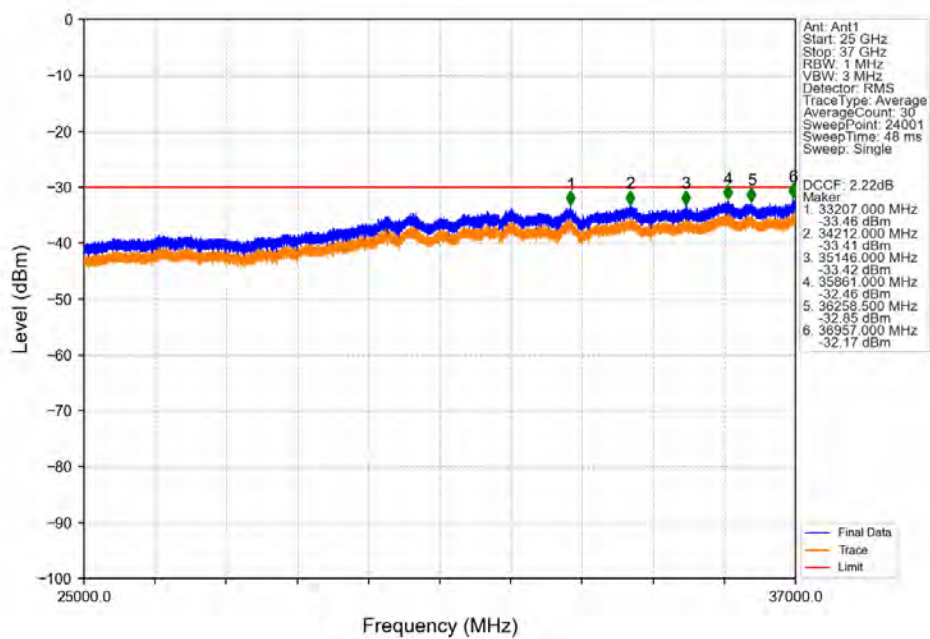




Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV

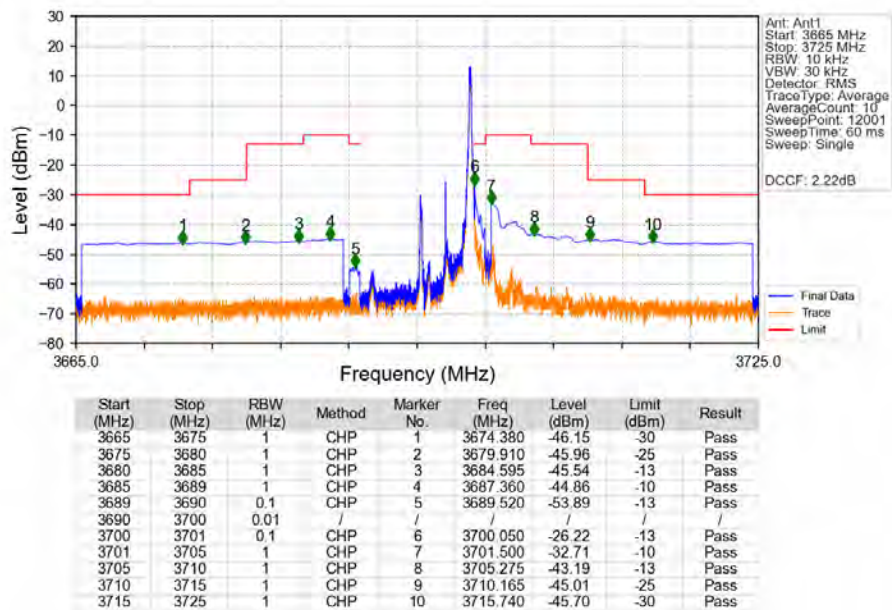


Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV

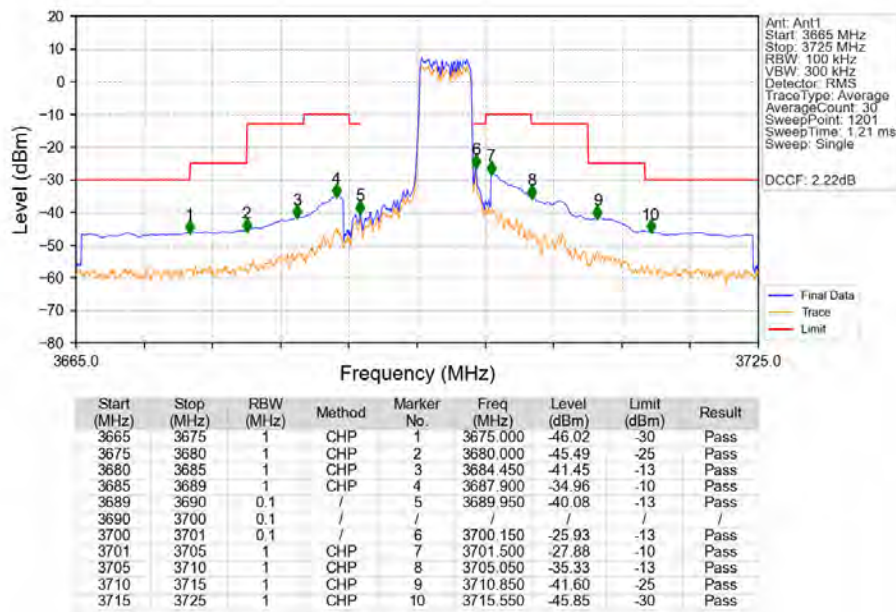




Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_24_NTNV

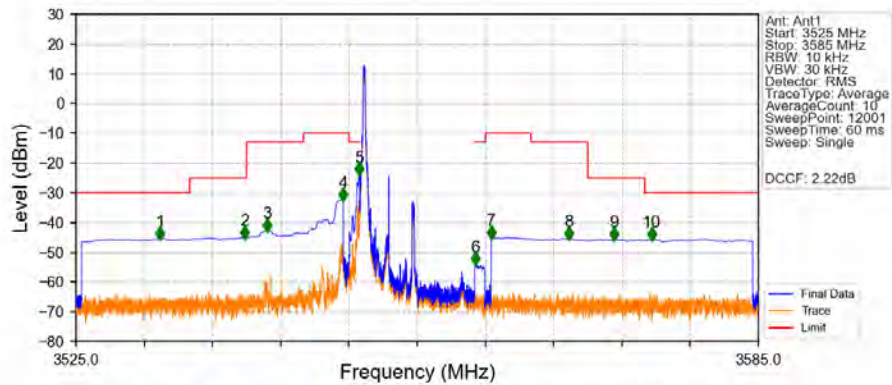


Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



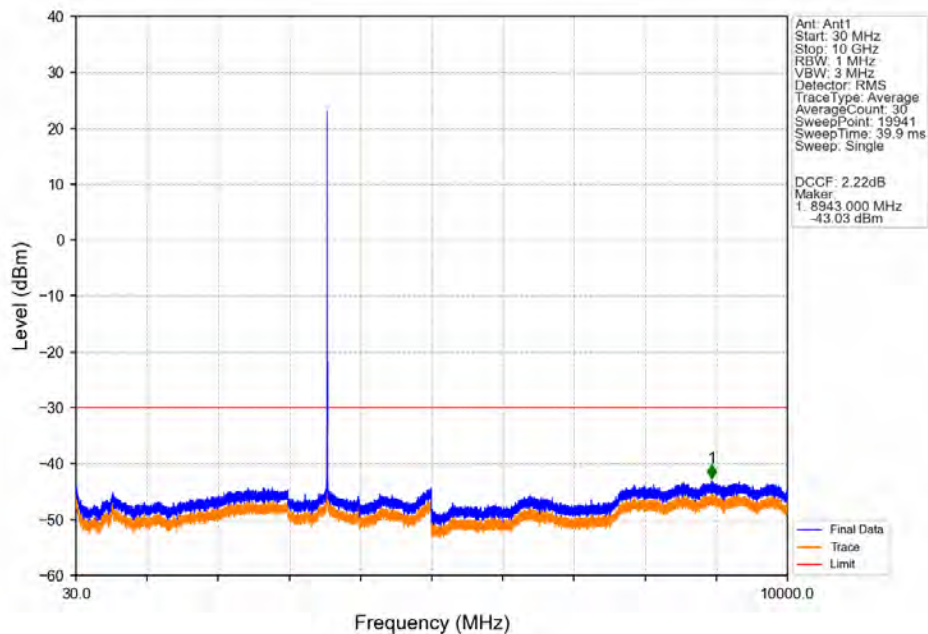


Band48_5MHz_16QAM_LCH_3552.5MHz_RB_1_0_NTNV



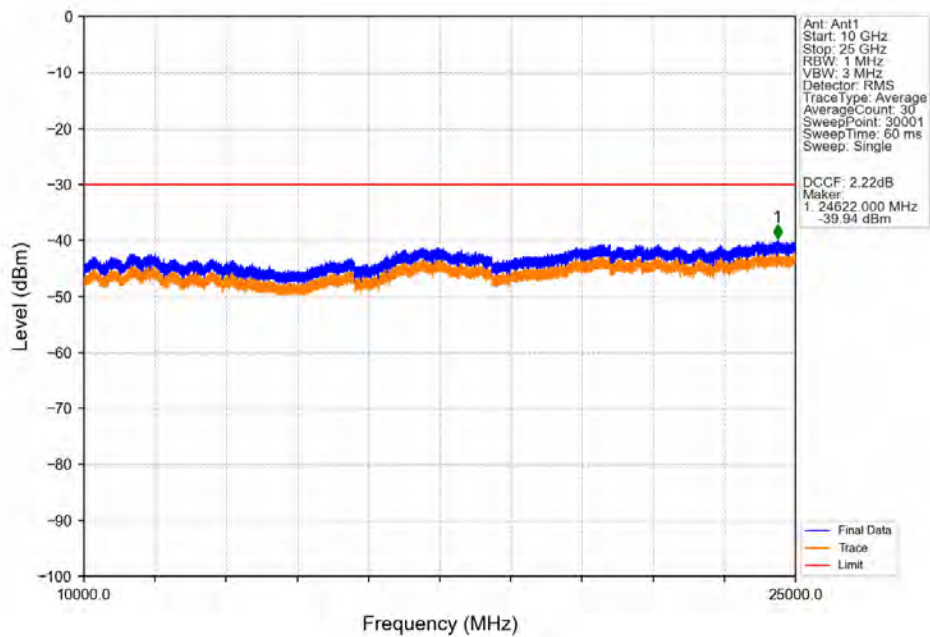
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3532.385	-45.35	-30	Pass
3535	3540	1	CHP	2	3539.835	-44.95	-25	Pass
3540	3545	1	CHP	3	3541.835	-42.52	-13	Pass
3545	3549	1	CHP	4	3548.500	-32.30	-10	Pass
3549	3550	0.1	CHP	5	3549.900	-23.68	-13	Pass
3550	3560	0.01	/	/	/	/	/	/
3560	3561	0.1	CHP	6	3560.110	-53.90	-13	Pass
3561	3565	1	CHP	7	3561.535	-44.98	-10	Pass
3565	3570	1	CHP	8	3568.300	-45.40	-13	Pass
3570	3575	1	CHP	9	3572.305	-45.65	-25	Pass
3575	3585	1	CHP	10	3575.605	-45.57	-30	Pass

Band48_5MHz_16QAM_LCH_3552.5MHz_RB_1_0_NTNV

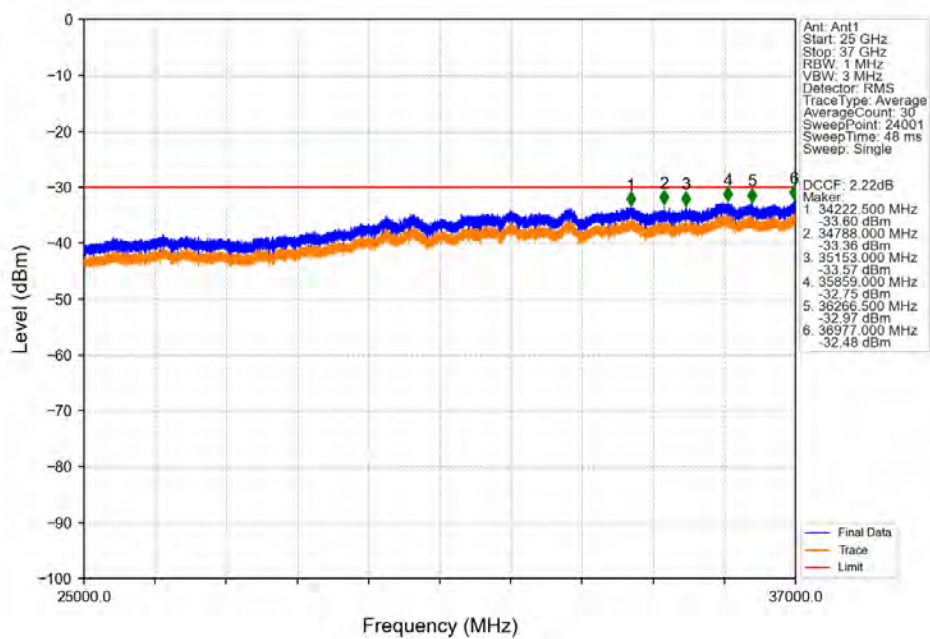




Band48_5MHz_16QAM_LCH_3552.5MHz_RB_1_0_NTNV

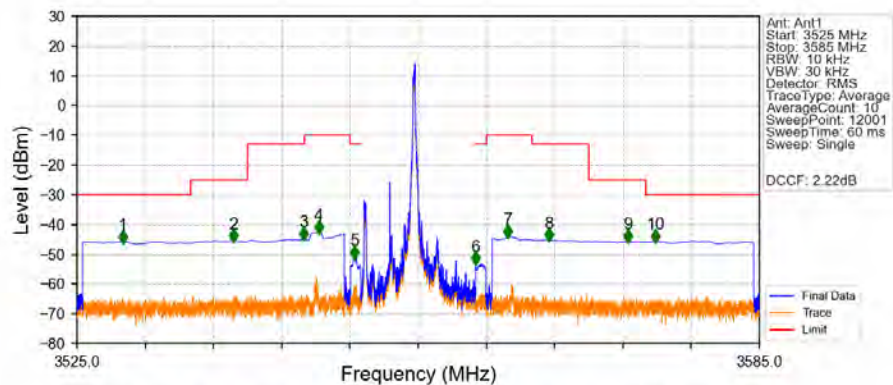


Band48_5MHz_16QAM_LCH_3552.5MHz_RB_1_0_NTNV



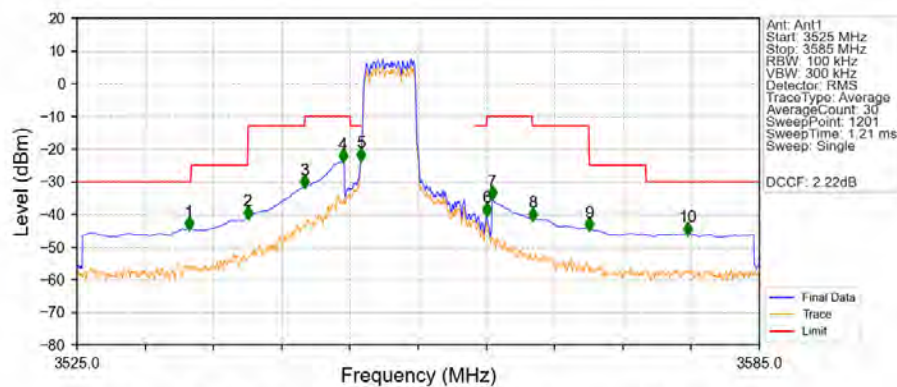


Band48_5MHz_16QAM_LCH_3552.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3529.025	-45.76	-30	Pass
3535	3540	1	CHP	2	3538.780	-45.43	-25	Pass
3540	3545	1	CHP	3	3544.925	-44.85	-13	Pass
3545	3549	1	CHP	4	3546.270	-42.60	-10	Pass
3549	3550	0.1	CHP	5	3549.380	-51.06	-13	Pass
3550	3560	0.01	/	/	/	/	/	/
3560	3561	0.1	CHP	6	3560.050	-53.06	-13	Pass
3561	3565	1	CHP	7	3562.895	-43.96	-10	Pass
3565	3570	1	CHP	8	3566.460	-45.15	-13	Pass
3570	3575	1	CHP	9	3573.445	-45.57	-25	Pass
3575	3585	1	CHP	10	3575.845	-45.54	-30	Pass

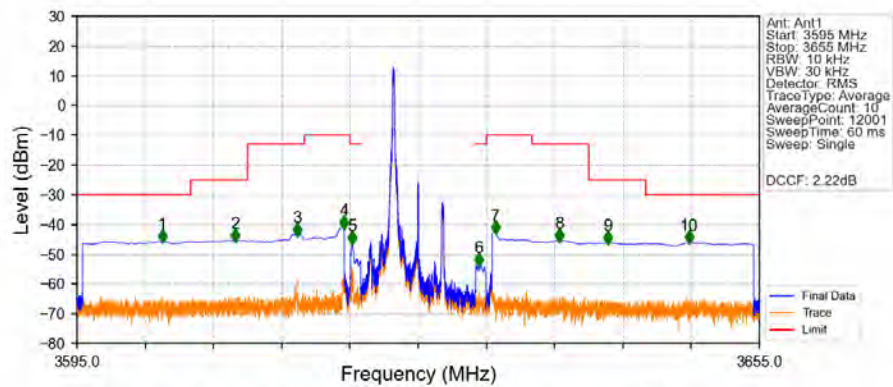
Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3534.850	-44.37	-30	Pass
3535	3540	1	CHP	2	3540.000	-41.13	-25	Pass
3540	3545	1	CHP	3	3545.000	-31.53	-13	Pass
3545	3549	1	CHP	4	3548.400	-23.67	-10	Pass
3549	3550	0.1	/	5	3549.950	-23.33	-13	Pass
3550	3560	0.1	/	/	/	/	/	/
3560	3561	0.1	/	6	3561.000	-40.15	-13	Pass
3561	3565	1	CHP	7	3561.500	-35.00	-10	Pass
3565	3570	1	CHP	8	3565.050	-41.50	-13	Pass
3570	3575	1	CHP	9	3570.050	-44.64	-25	Pass
3575	3585	1	CHP	10	3578.700	-45.91	-30	Pass

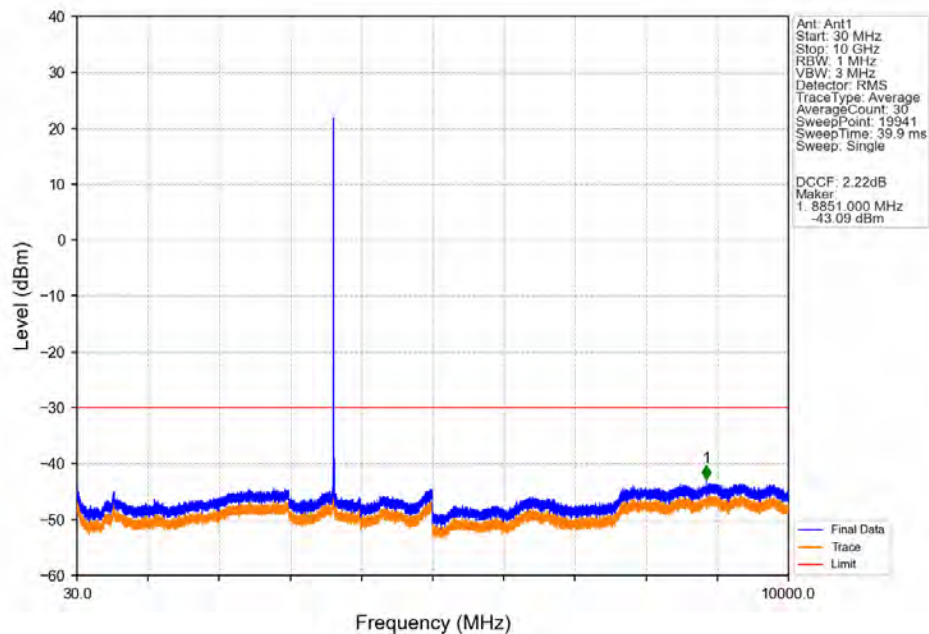


Band48_5MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV



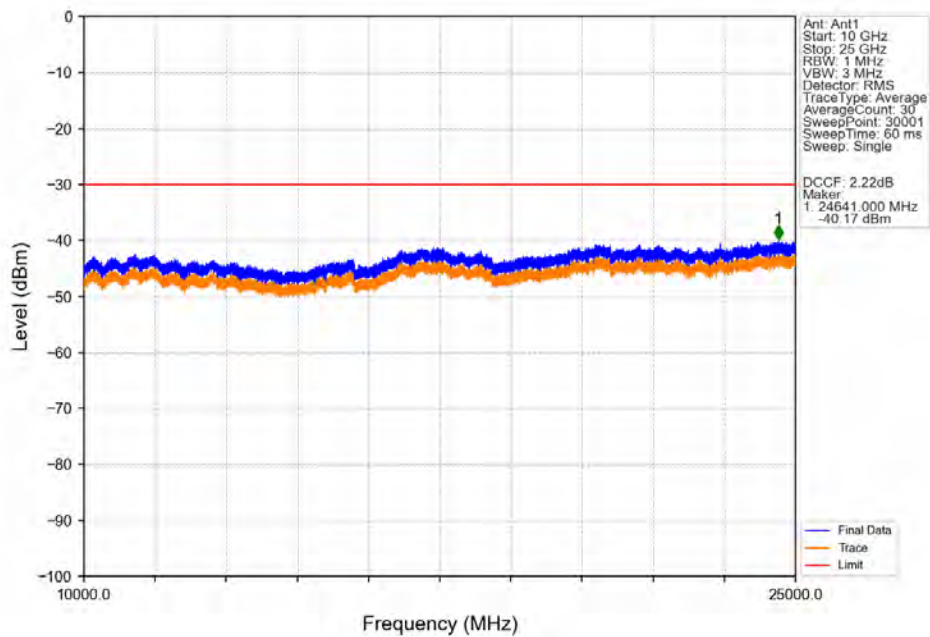
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3595	3605	1	CHP	1	3602.515	-45.61	-30	Pass
3605	3610	1	CHP	2	3608.880	-45.32	-25	Pass
3610	3615	1	CHP	3	3614.390	-43.41	-13	Pass
3615	3619	1	CHP	4	3618.500	-40.98	-10	Pass
3619	3620	0.1	CHP	5	3619.200	-46.21	-13	Pass
3620	3630	0.01	/	/	/	/	/	/
3630	3631	0.1	CHP	6	3630.330	-53.55	-13	Pass
3631	3635	1	CHP	7	3631.780	-42.69	-10	Pass
3635	3640	1	CHP	8	3637.430	-45.39	-13	Pass
3640	3645	1	CHP	9	3641.635	-46.14	-25	Pass
3645	3655	1	CHP	10	3648.810	-45.98	-30	Pass

Band48_5MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV

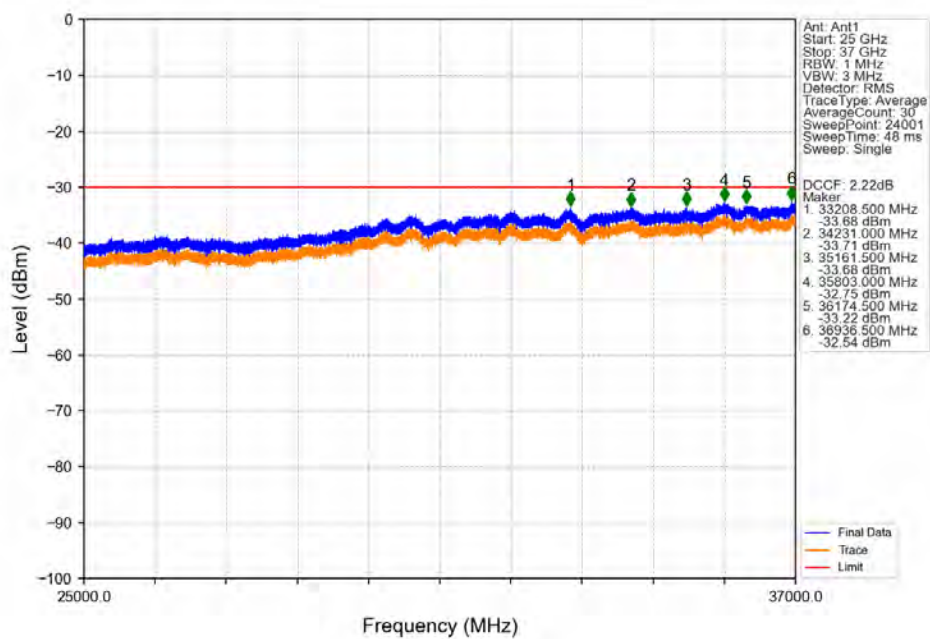




Band48_5MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV

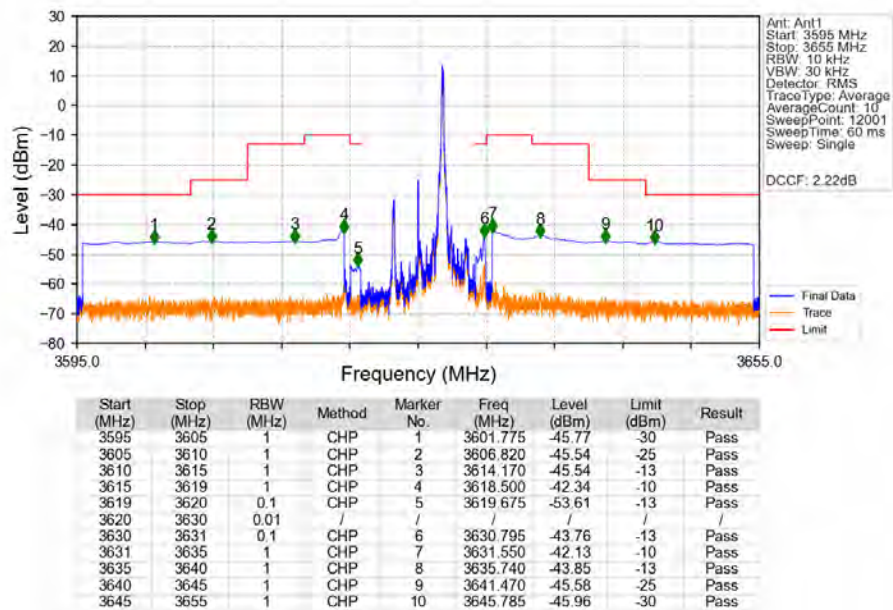


Band48_5MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV

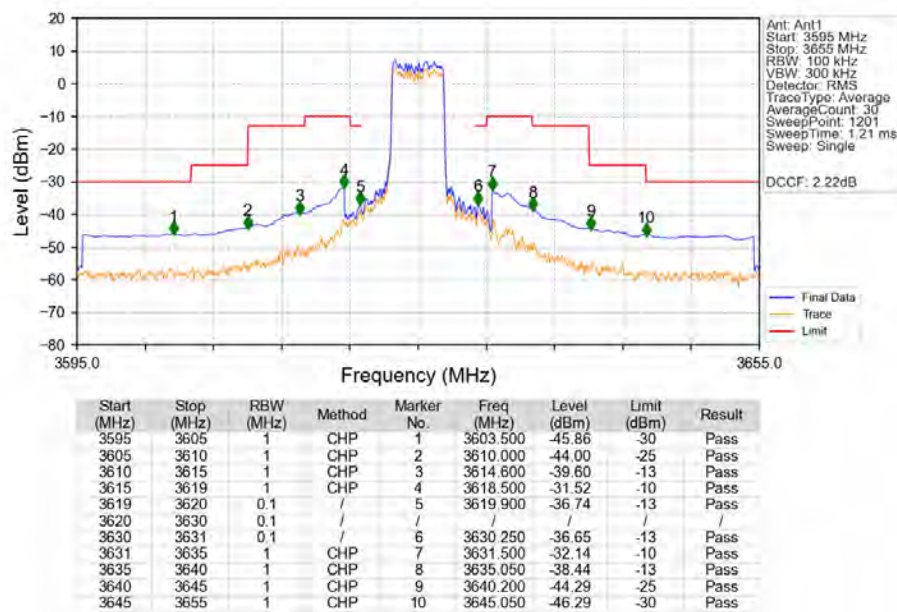




Band48_5MHz_16QAM_MCH_3625MHz_RB_1_24_NTNV

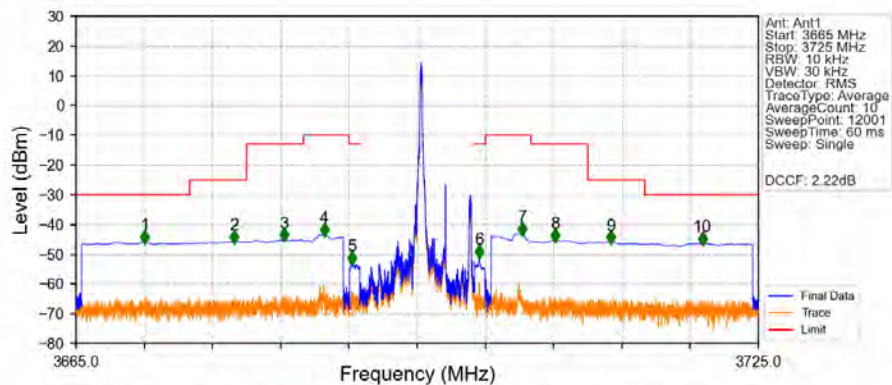


Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV



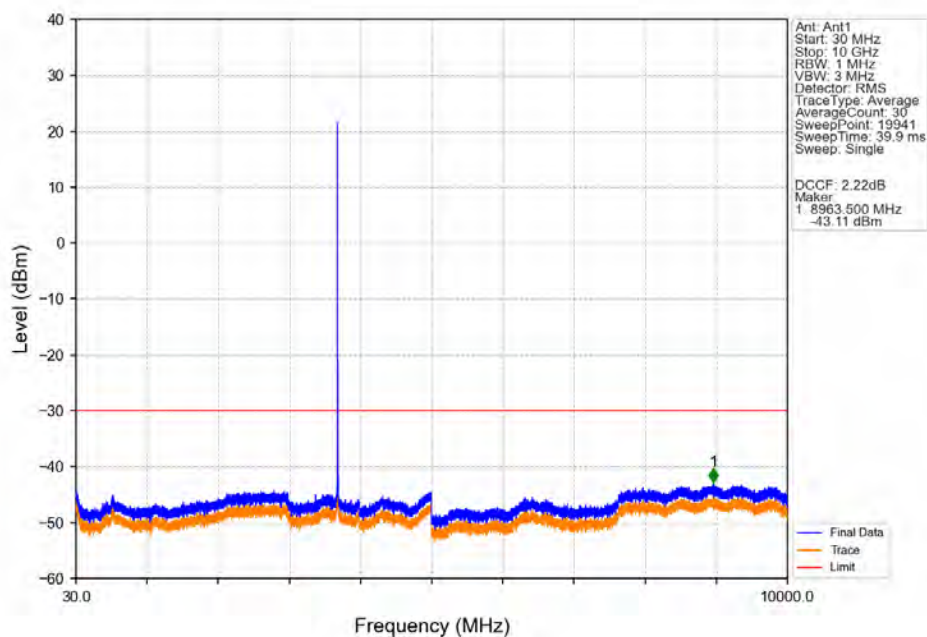


Band48 5MHz 16QAM HCH 3697.5MHz RB 1 0 NTNv



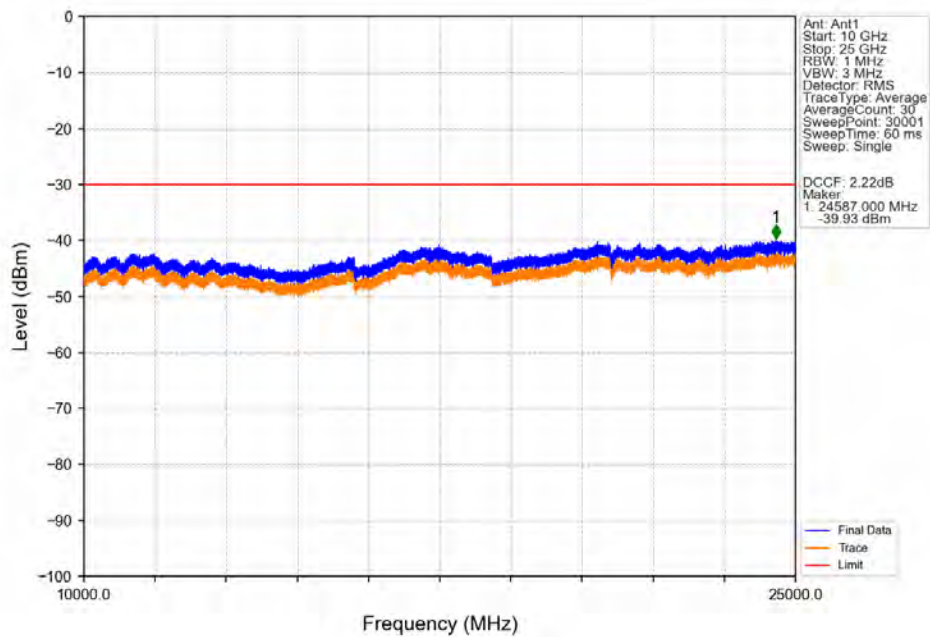
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3665	3675	1	CHP	1	3671.050	-45.91	-30	Pass
3675	3680	1	CHP	2	3678.925	-45.77	-25	Pass
3680	3685	1	CHP	3	3683.320	-45.17	-13	Pass
3685	3689	1	CHP	4	3686.840	-43.38	-10	Pass
3689	3690	0.1	CHP	5	3689.240	-52.86	-13	Pass
3690	3700	0.01	/	/	/	/	/	/
3700	3701	0.1	CHP	6	3700.455	-50.79	-13	Pass
3701	3705	1	CHP	7	3704.255	-43.10	-10	Pass
3705	3710	1	CHP	8	3707.125	-45.24	-13	Pass
3710	3715	1	CHP	9	3711.995	-45.95	-25	Pass
3715	3725	1	CHP	10	3720.080	-46.31	-30	Pass

Band48 5MHz 16QAM HCH 3697.5MHz RB 1 0 NTNv

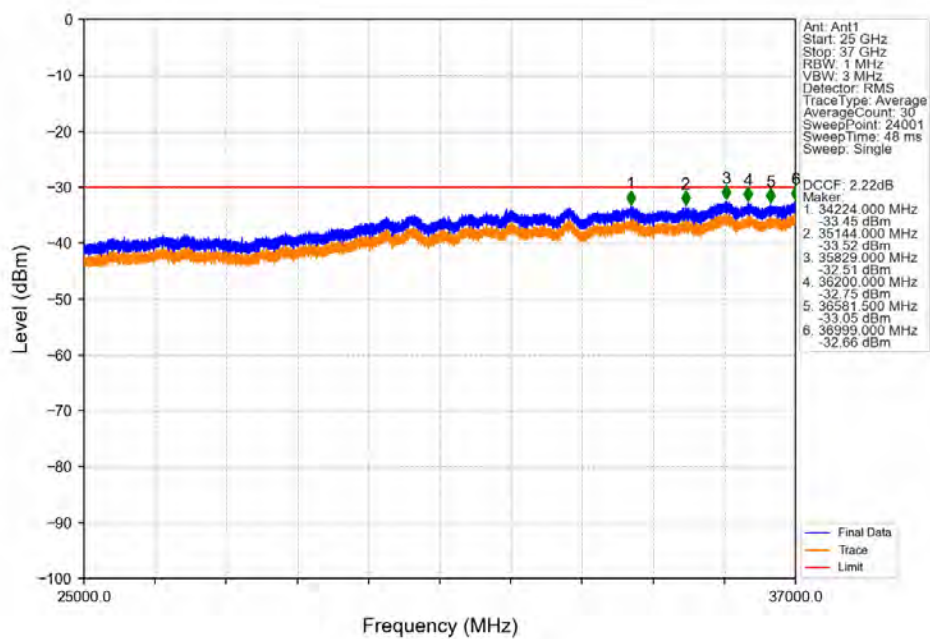




Band48 5MHz 16QAM HCH 3697.5MHz RB 1 0 NTNv

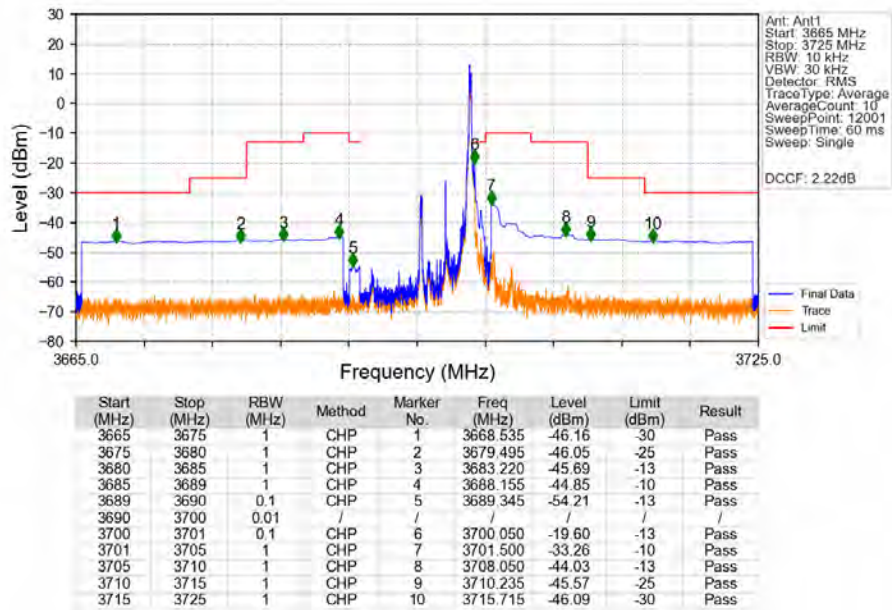


Band48 5MHz 16QAM HCH 3697.5MHz RB 1 0 NTNv

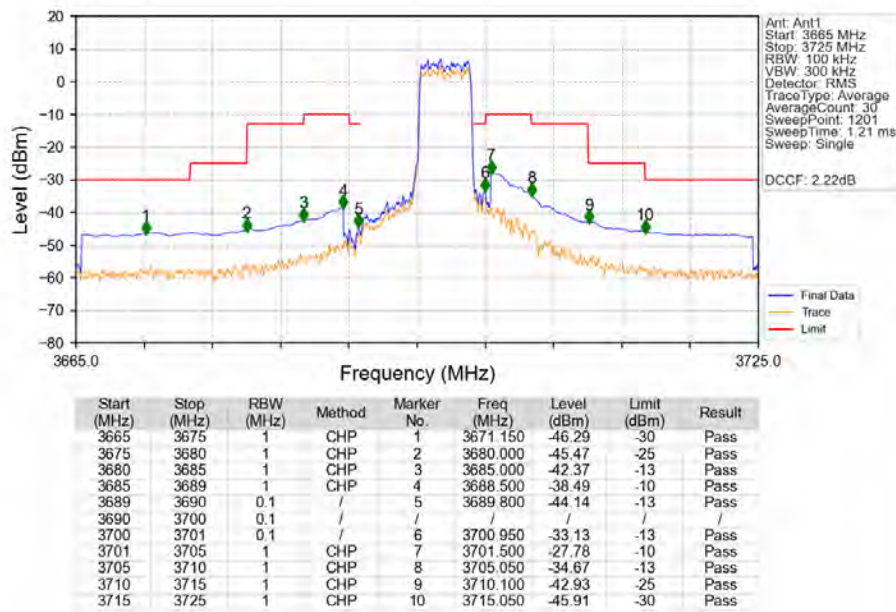




Band48_5MHz_16QAM_HCH_3697.5MHz_RB_1_24_NTNV

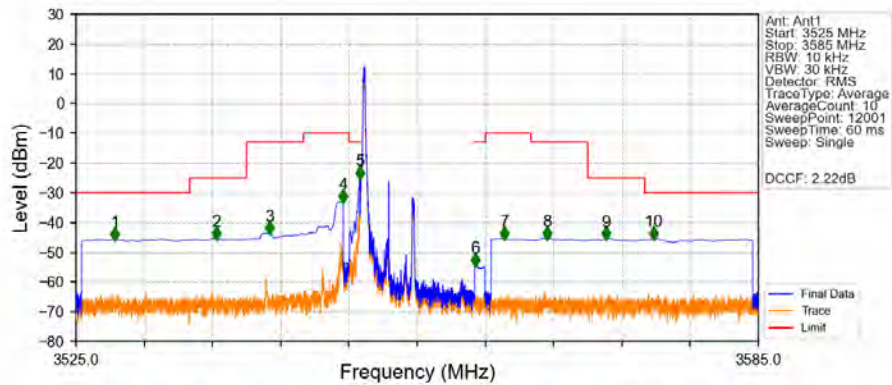


Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV



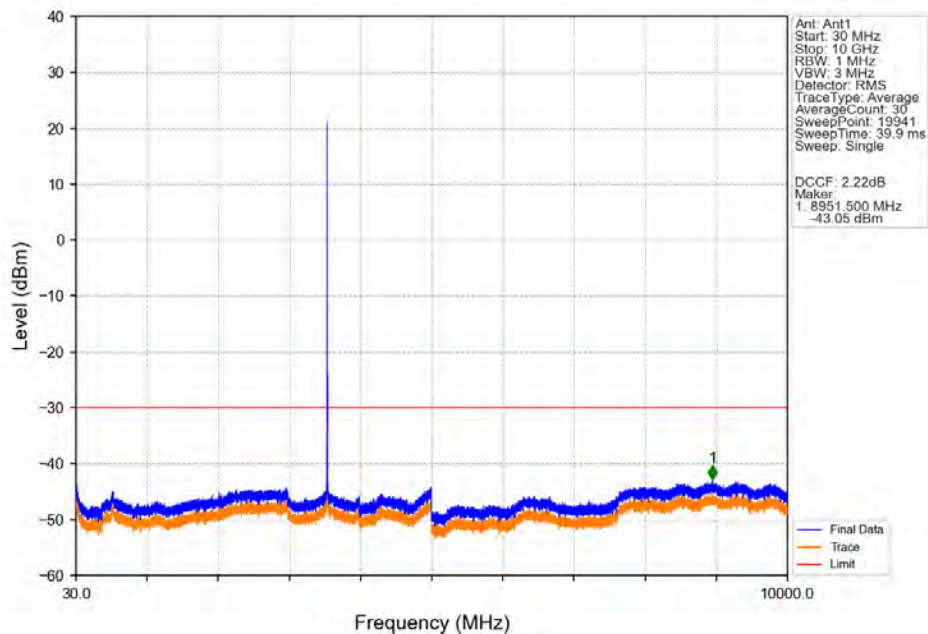


Band48_5MHz_64QAM_LCH_3552.5MHz_RB_1_0_NTNV



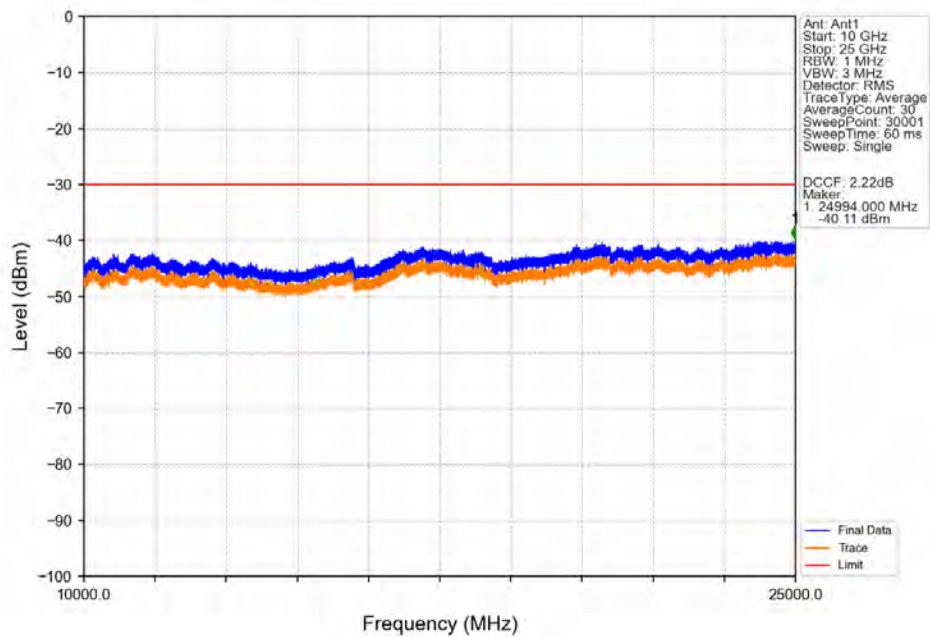
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3528.430	-45.51	-30	Pass
3535	3540	1	CHP	2	3537.355	-45.39	-25	Pass
3540	3545	1	CHP	3	3542.025	-43.52	-13	Pass
3545	3549	1	CHP	4	3548.500	-32.81	-10	Pass
3549	3550	0.1	CHP	5	3549.950	-24.90	-13	Pass
3550	3560	0.01	/	/	/	/	/	/
3560	3561	0.1	CHP	6	3560.090	-54.18	-13	Pass
3561	3565	1	CHP	7	3562.690	-45.32	-10	Pass
3565	3570	1	CHP	8	3566.430	-45.24	-13	Pass
3570	3575	1	CHP	9	3571.600	-45.41	-25	Pass
3575	3585	1	CHP	10	3575.810	-45.37	-30	Pass

Band48_5MHz_64QAM_LCH_3552.5MHz_RB_1_0_NTNV

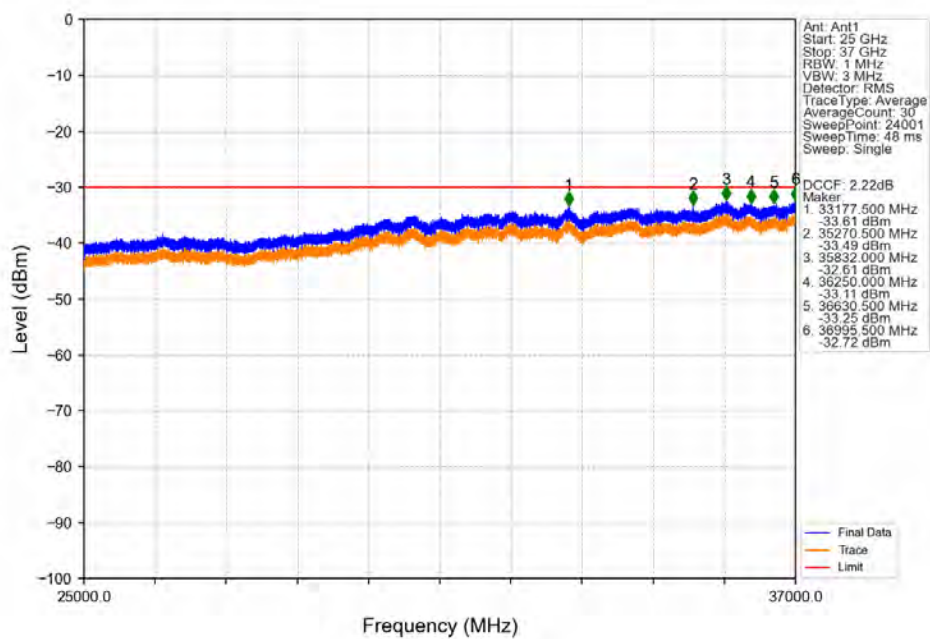




Band48_5MHz_64QAM_LCH_3552.5MHz_RB_1_0_NTNV

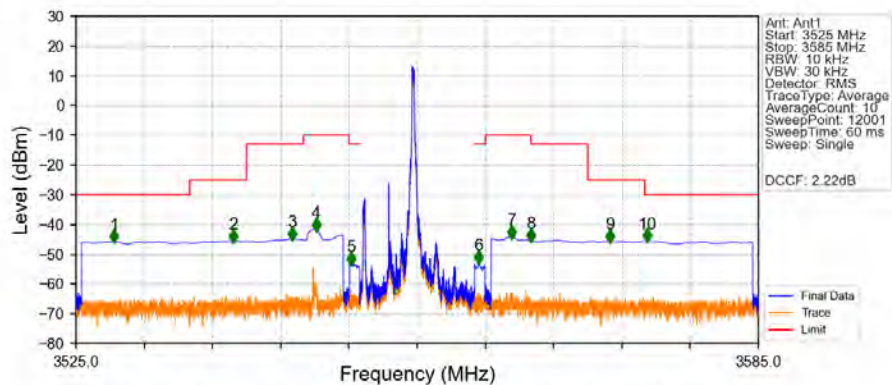


Band48_5MHz_64QAM_LCH_3552.5MHz_RB_1_0_NTNV



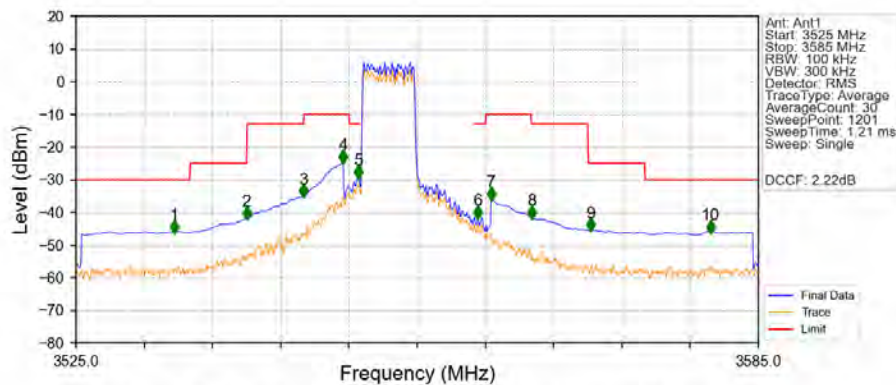


Band48_5MHz_64QAM_LCH_3552.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3528.360	-45.72	-30	Pass
3535	3540	1	CHP	2	3538.845	-45.51	-25	Pass
3540	3545	1	CHP	3	3544.015	-44.67	-13	Pass
3545	3549	1	CHP	4	3546.110	-41.74	-10	Pass
3549	3550	0.1	CHP	5	3549.195	-53.20	-13	Pass
3550	3560	0.01	/	/	/	/	/	/
3560	3561	0.1	CHP	6	3560.415	-52.63	-13	Pass
3561	3565	1	CHP	7	3563.325	-44.22	-10	Pass
3565	3570	1	CHP	8	3565.030	-45.26	-13	Pass
3570	3575	1	CHP	9	3571.960	-45.51	-25	Pass
3575	3585	1	CHP	10	3575.230	-45.41	-30	Pass

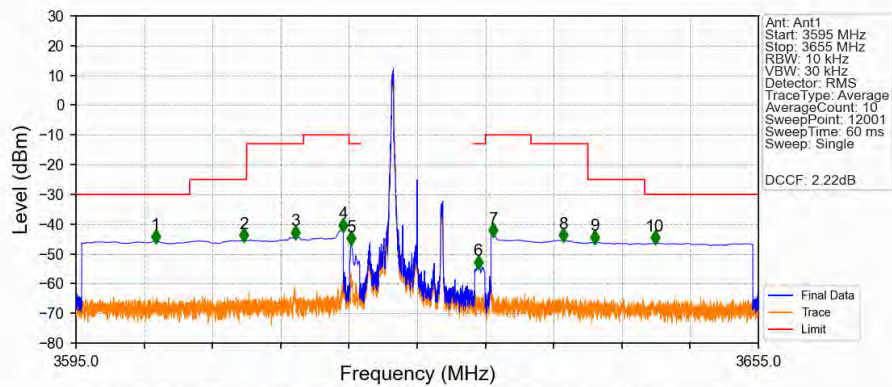
Band48_5MHz_64QAM_LCH_3552.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3533.650	-45.92	-30	Pass
3535	3540	1	CHP	2	3540.000	-41.74	-25	Pass
3540	3545	1	CHP	3	3545.000	-35.00	-13	Pass
3545	3549	1	CHP	4	3548.500	-24.44	-10	Pass
3549	3550	0.1	/	5	3549.850	-29.25	-13	Pass
3550	3560	0.1	/	/	/	/	/	/
3560	3561	0.1	/	6	3560.350	-41.48	-13	Pass
3561	3565	1	CHP	7	3561.500	-35.95	-10	Pass
3565	3570	1	CHP	8	3565.050	-41.63	-13	Pass
3570	3575	1	CHP	9	3570.250	-45.34	-25	Pass
3575	3585	1	CHP	10	3580.800	-45.93	-30	Pass

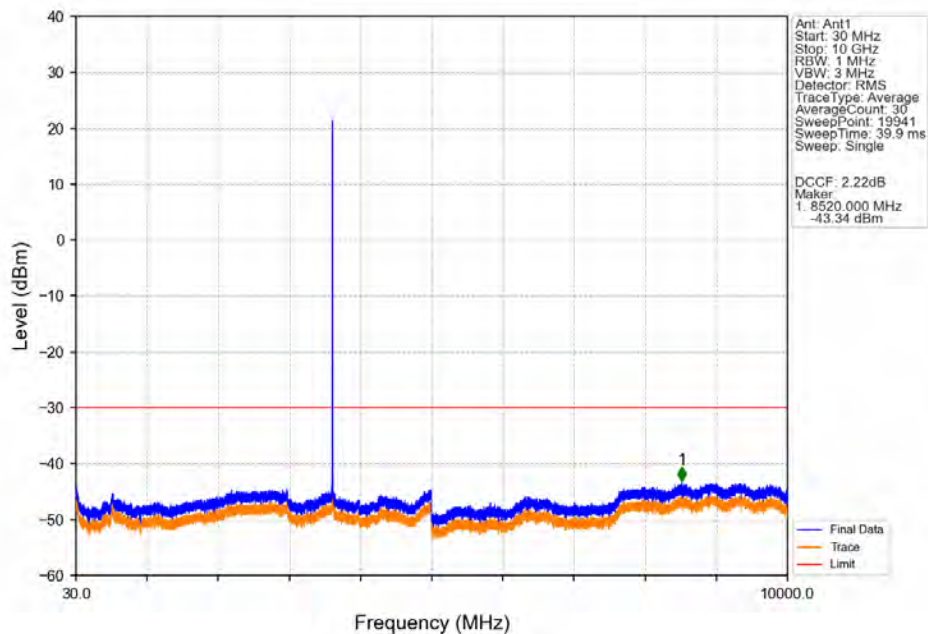


Band48_5MHz_64QAM_MCH_3625MHz_RB_1_0_NTNV



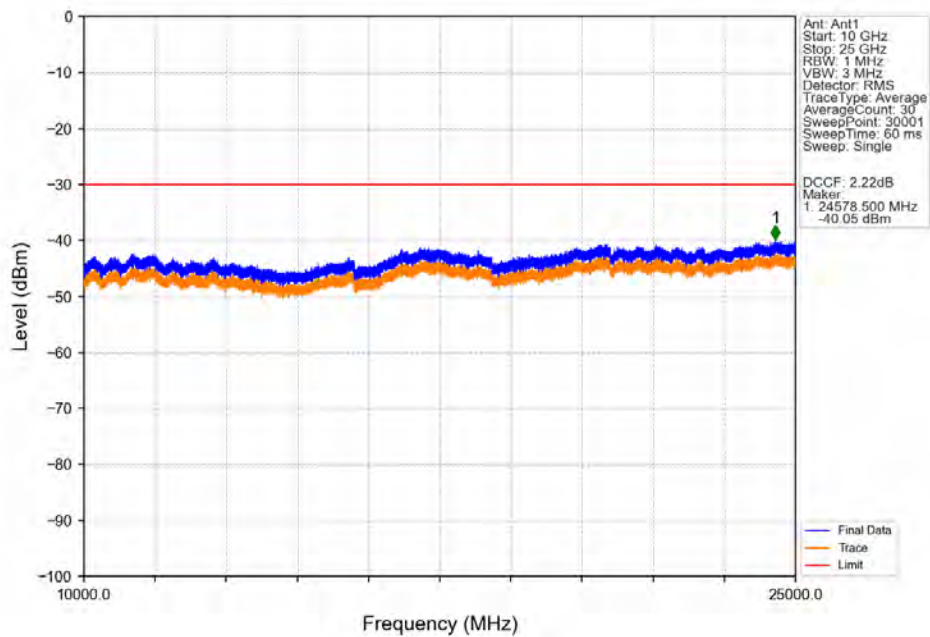
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3595	3605	1	CHP	1	3602.000	-45.89	-30	Pass
3605	3610	1	CHP	2	3609.735	-45.42	-25	Pass
3610	3615	1	CHP	3	3614.280	-44.48	-13	Pass
3615	3619	1	CHP	4	3618.480	-42.02	-10	Pass
3619	3620	0.1	CHP	5	3619.195	-46.55	-13	Pass
3620	3630	0.01	/	/	/	/	/	/
3630	3631	0.1	CHP	6	3630.355	-54.48	-13	Pass
3631	3635	1	CHP	7	3631.695	-43.82	-10	Pass
3635	3640	1	CHP	8	3637.820	-45.46	-13	Pass
3640	3645	1	CHP	9	3640.620	-46.13	-25	Pass
3645	3655	1	CHP	10	3645.895	-46.27	-30	Pass

Band48_5MHz_64QAM_MCH_3625MHz_RB_1_0_NTNV

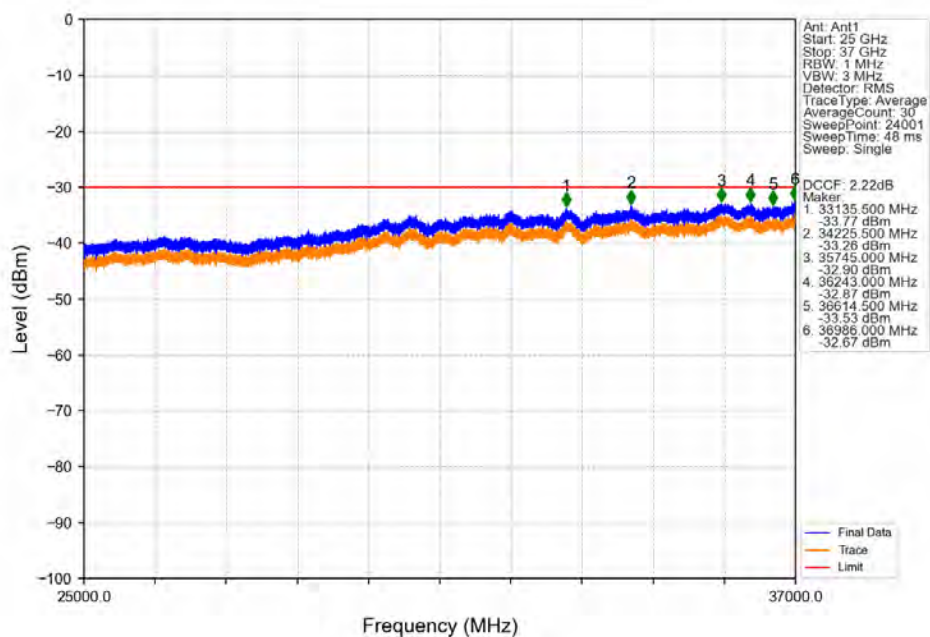




Band48_5MHz_64QAM_MCH_3625MHz_RB_1_0_NTNV

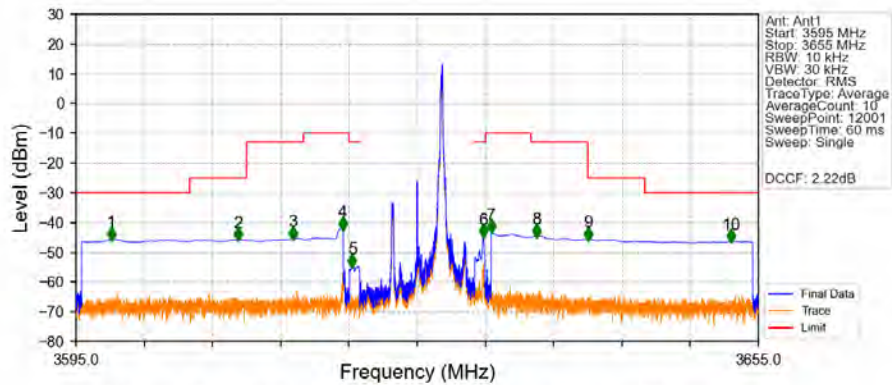


Band48_5MHz_64QAM_MCH_3625MHz_RB_1_0_NTNV



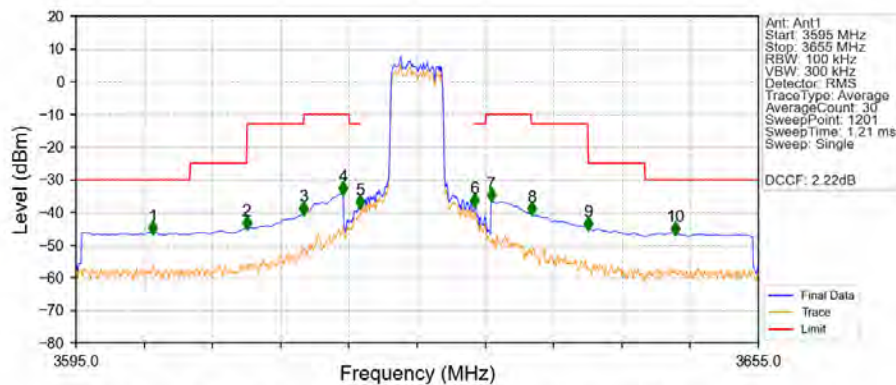


Band48_5MHz_64QAM_MCH_3625MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3595	3605	1	CHP	1	3598.120	-45.61	-30	Pass
3605	3610	1	CHP	2	3609.250	-45.74	-25	Pass
3610	3615	1	CHP	3	3614.060	-45.24	-13	Pass
3615	3619	1	CHP	4	3618.460	-42.07	-10	Pass
3619	3620	0.1	CHP	5	3619.290	-54.55	-13	Pass
3620	3630	0.01	/	/	/	/	/	/
3630	3631	0.1	CHP	6	3630.800	-44.64	-13	Pass
3631	3635	1	CHP	7	3631.500	-43.01	-10	Pass
3635	3640	1	CHP	8	3635.475	-44.43	-13	Pass
3640	3645	1	CHP	9	3640.060	-45.67	-25	Pass
3645	3655	1	CHP	10	3652.600	-46.28	-30	Pass

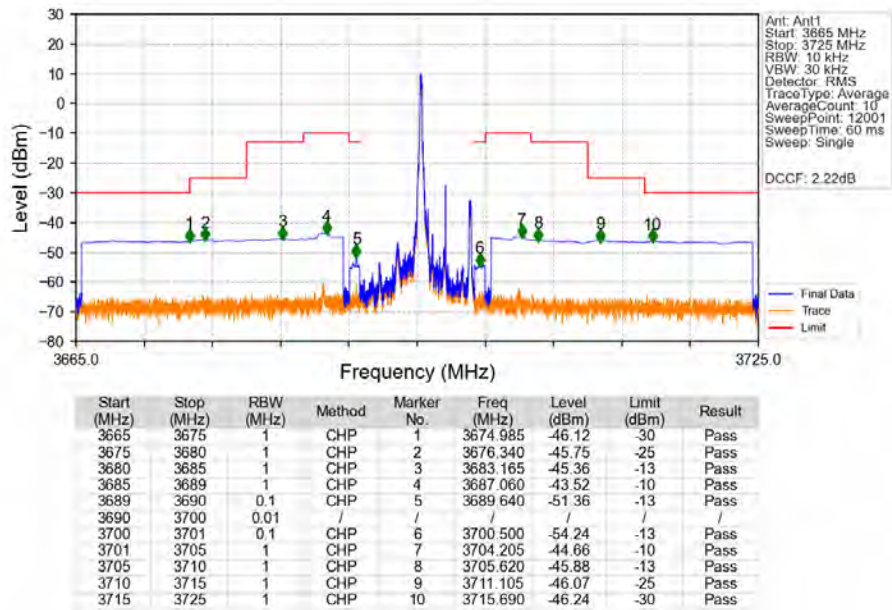
Band48_5MHz_64QAM_MCH_3625MHz_RB_25_0_NTNV



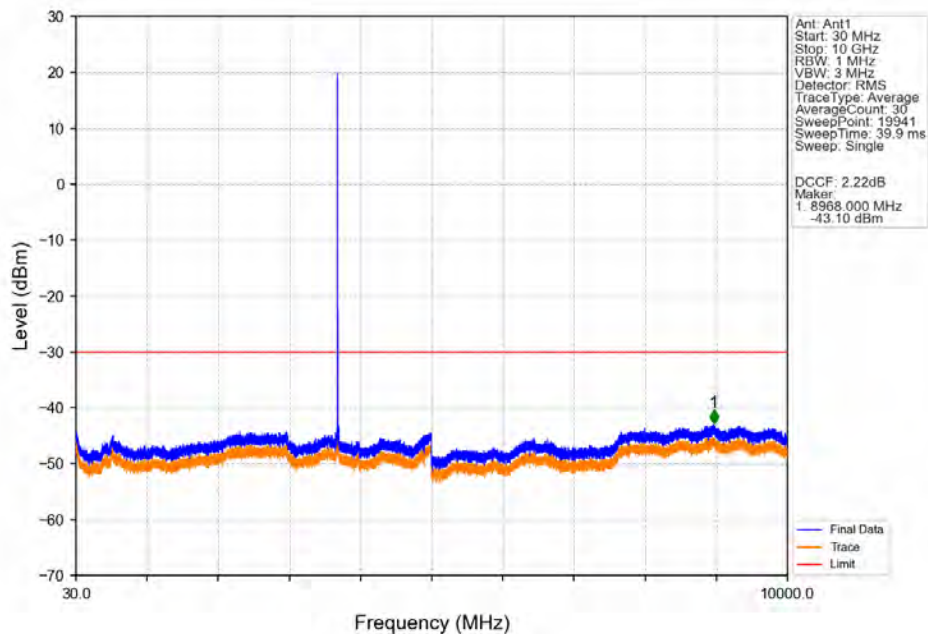
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3595	3605	1	CHP	1	3601.750	-46.25	-30	Pass
3605	3610	1	CHP	2	3610.000	-44.81	-25	Pass
3610	3615	1	CHP	3	3615.000	-40.38	-13	Pass
3615	3619	1	CHP	4	3618.500	-34.05	-10	Pass
3619	3620	0.1	/	5	3619.950	-38.39	-13	Pass
3620	3630	0.1	/	/	/	/	/	/
3630	3631	0.1	/	6	3630.050	-37.76	-13	Pass
3631	3635	1	CHP	7	3631.500	-36.27	-10	Pass
3635	3640	1	CHP	8	3635.050	-40.46	-13	Pass
3640	3645	1	CHP	9	3640.050	-45.02	-25	Pass
3645	3655	1	CHP	10	3647.700	-46.41	-30	Pass



Band48 5MHz 64QAM HCH 3697.5MHz RB 1 0 NTNv

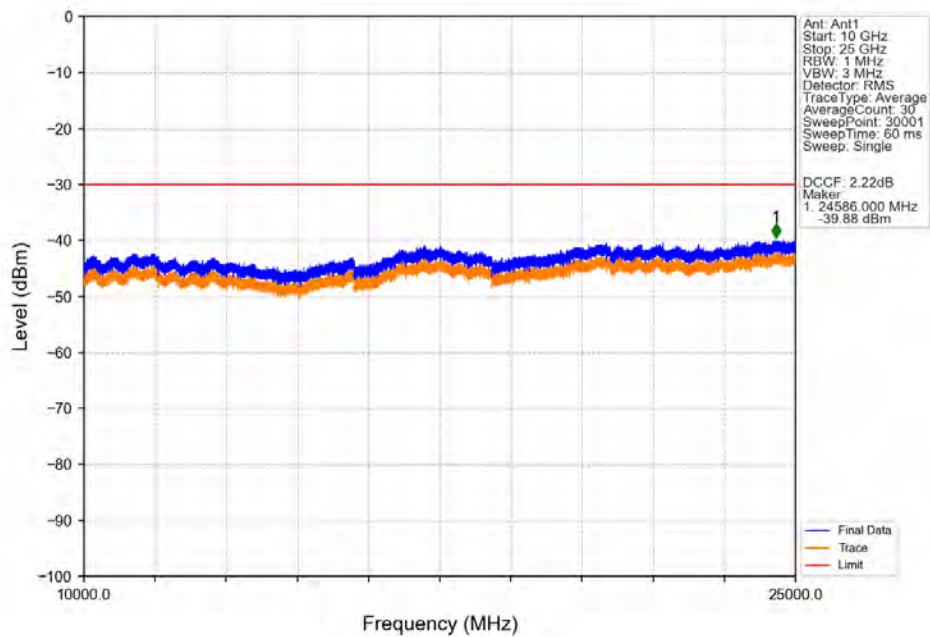


Band48 5MHz 64QAM HCH 3697.5MHz RB 1 0 NTNv

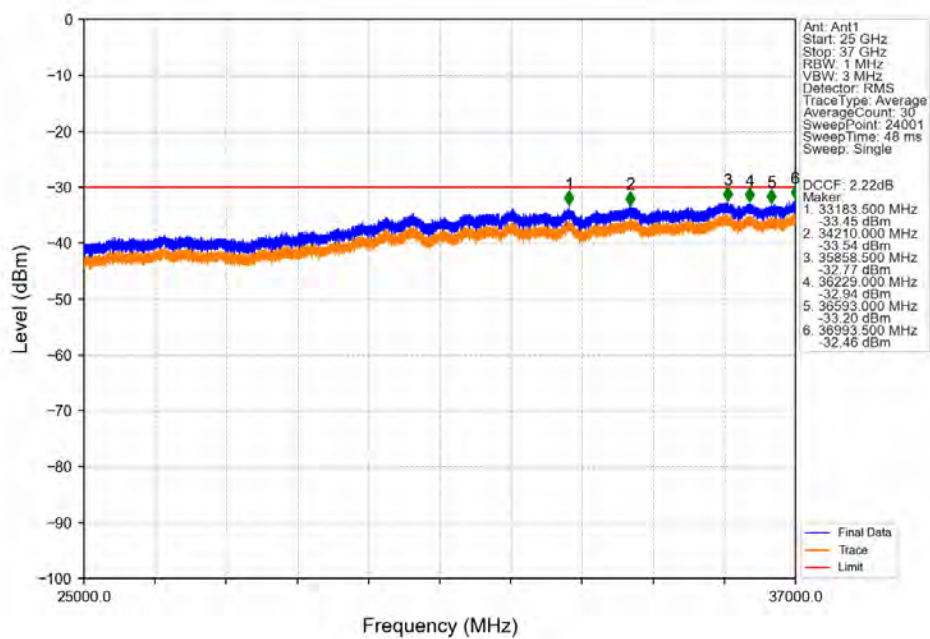




Band48_5MHz_64QAM_HCH_3697.5MHz_RB_1_0_NTNV

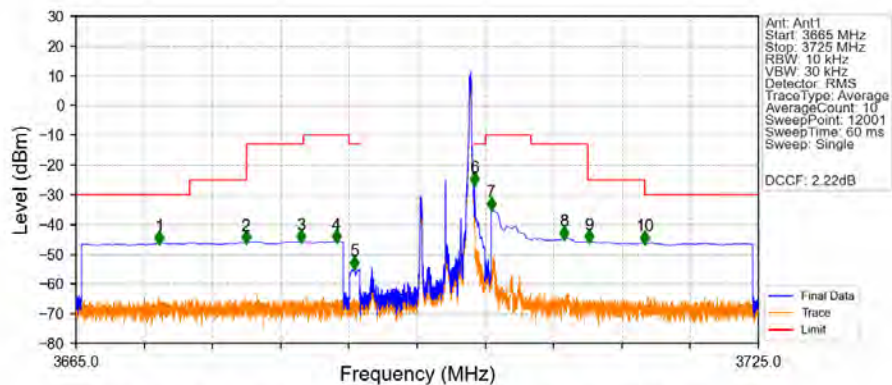


Band48_5MHz_64QAM_HCH_3697.5MHz_RB_1_0_NTNV



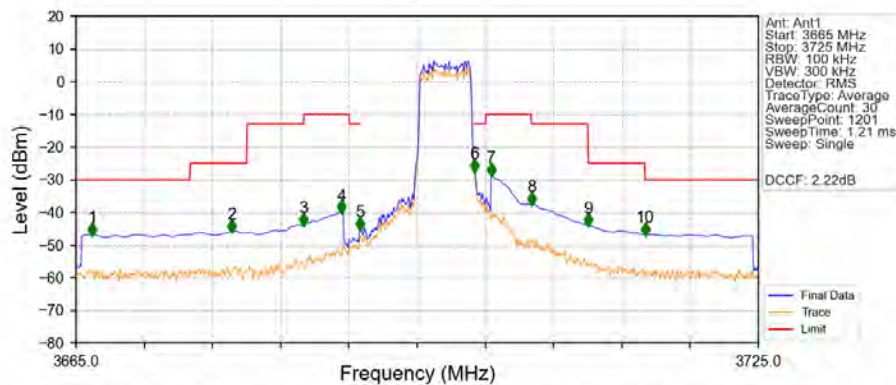


Band48_5MHz_64QAM_HCH_3697.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3665	3675	1	CHP	1	3672.330	-46.16	-30	Pass
3675	3680	1	CHP	2	3679.935	-45.98	-25	Pass
3680	3685	1	CHP	3	3684.795	-45.73	-13	Pass
3685	3689	1	CHP	4	3687.910	-45.69	-10	Pass
3689	3690	0.1	CHP	5	3689.470	-54.53	-13	Pass
3690	3700	0.01	/	/	/	/	/	/
3700	3701	0.1	CHP	6	3700.050	-26.41	-13	Pass
3701	3705	1	CHP	7	3701.500	-34.74	-10	Pass
3705	3710	1	CHP	8	3707.915	-44.51	-13	Pass
3710	3715	1	CHP	9	3710.080	-45.72	-25	Pass
3715	3725	1	CHP	10	3715.010	-46.12	-30	Pass

Band48_5MHz_64QAM_HCH_3697.5MHz_RB_25_0_NTNV

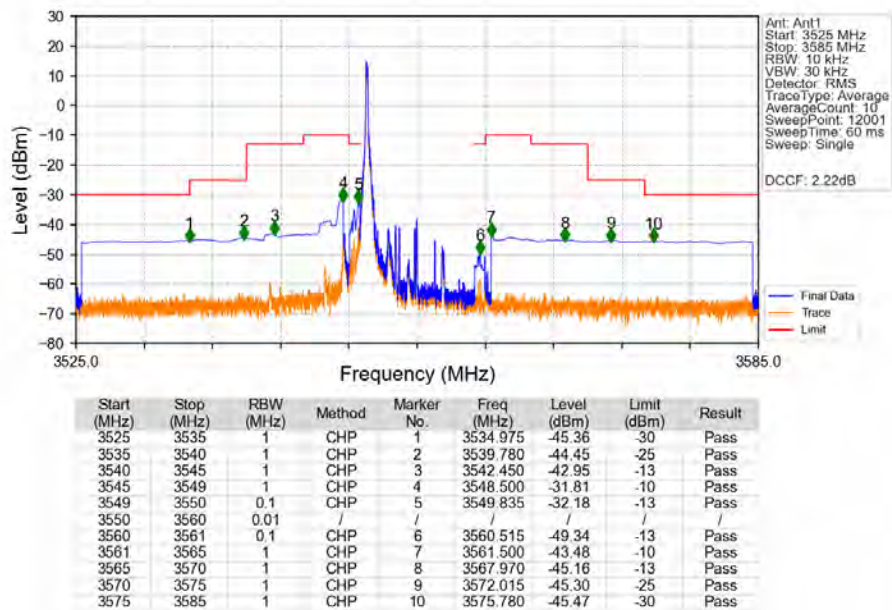


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3665	3675	1	CHP	1	3666.450	-46.69	-30	Pass
3675	3680	1	CHP	2	3678.700	-45.82	-25	Pass
3680	3685	1	CHP	3	3685.000	-43.80	-13	Pass
3685	3689	1	CHP	4	3688.350	-39.93	-10	Pass
3689	3690	0.1	/	5	3689.950	-45.08	-13	Pass
3690	3700	0.1	/	/	/	/	/	/
3700	3701	0.1	/	6	3700.050	-27.16	-13	Pass
3701	3705	1	CHP	7	3701.500	-28.41	-10	Pass
3705	3710	1	CHP	8	3705.050	-37.38	-13	Pass
3710	3715	1	CHP	9	3710.050	-43.86	-25	Pass
3715	3725	1	CHP	10	3715.050	-46.70	-30	Pass

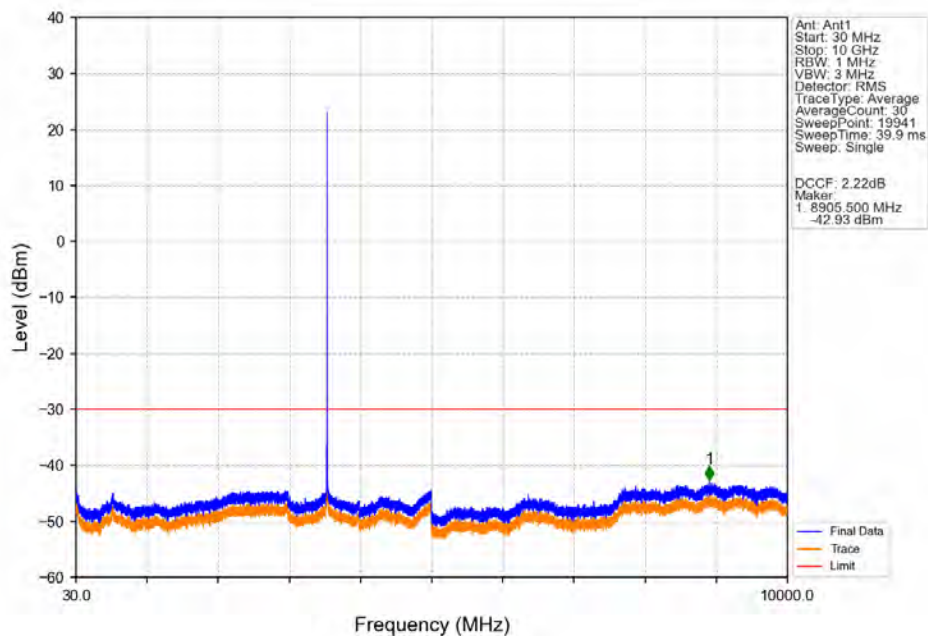


6.2.2 B48_10MHz

Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV

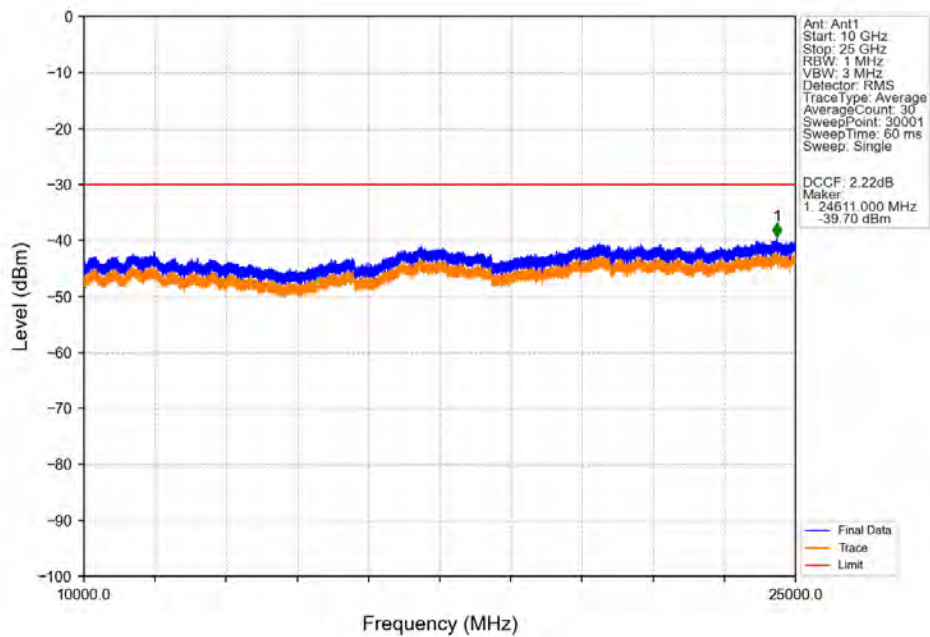


Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV

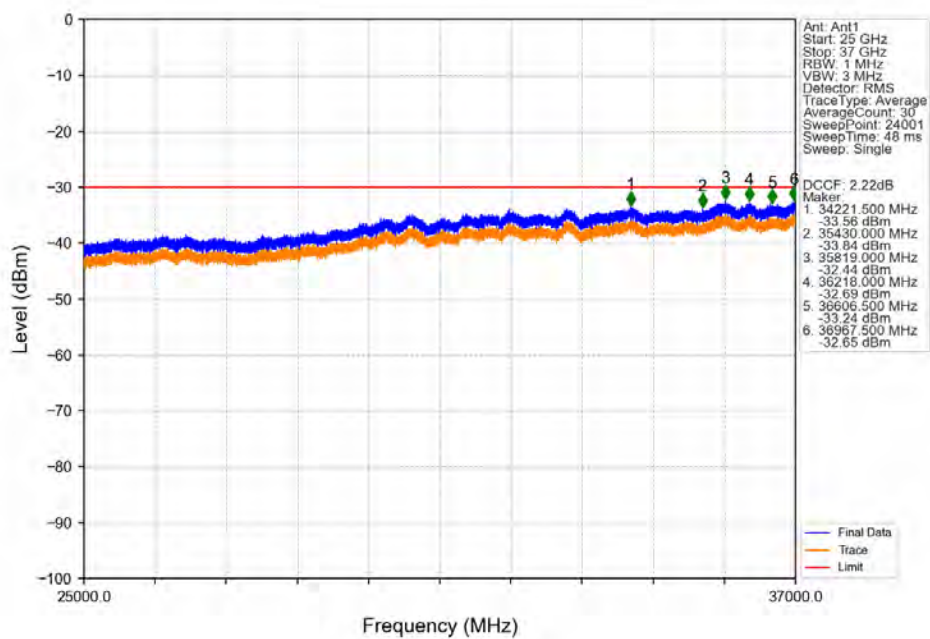




Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0 NTN

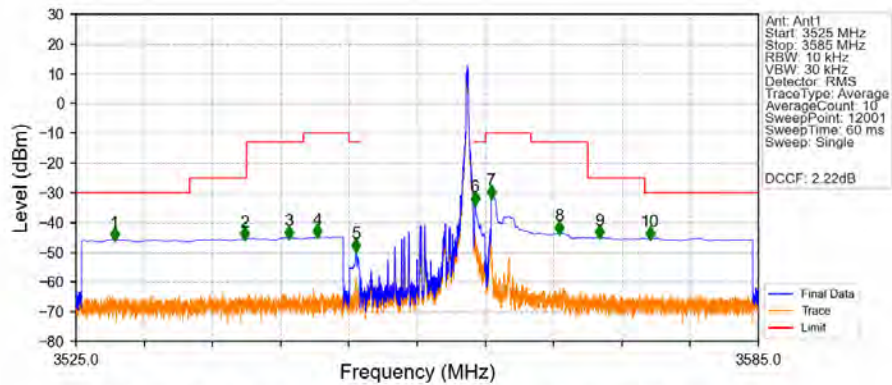


Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0 NTN

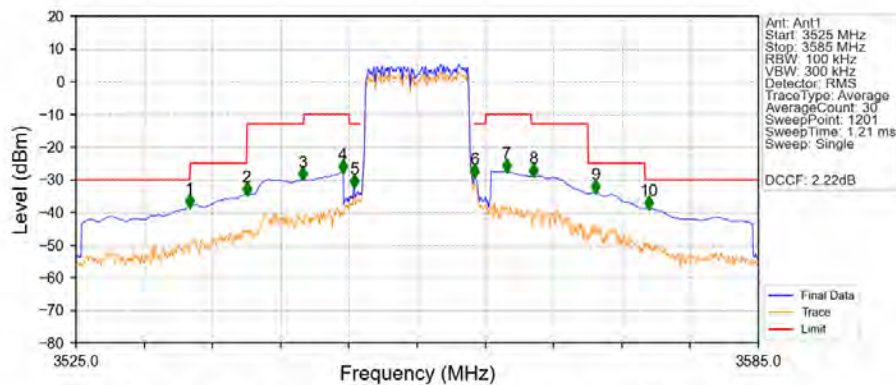




Band48_10MHz_QPSK_LCH_3555MHz_RB_1_49_NTNV

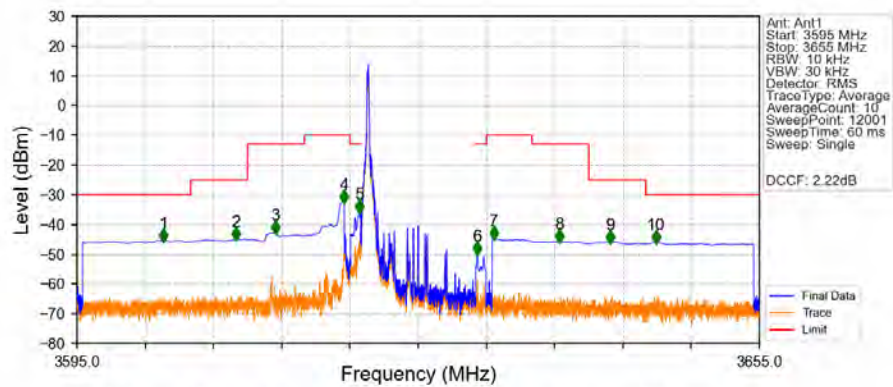


Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV



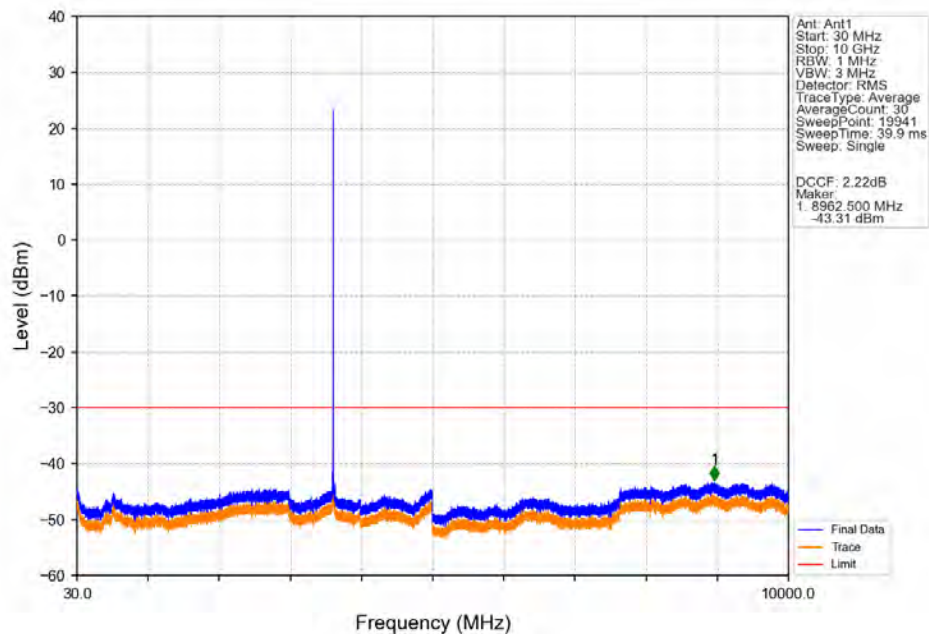


Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



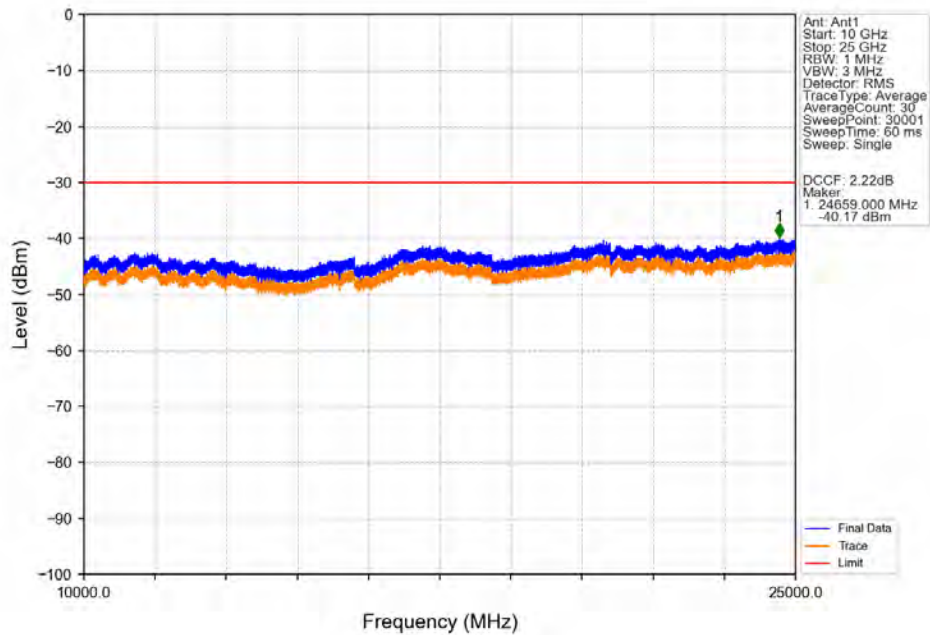
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3595	3605	1	CHP	1	3602.615	-45.28	-30	Pass
3605	3610	1	CHP	2	3609.000	-44.81	-25	Pass
3610	3615	1	CHP	3	3612.460	-42.63	-13	Pass
3615	3619	1	CHP	4	3618.500	-32.32	-10	Pass
3619	3620	0.1	CHP	5	3619.800	-35.61	-13	Pass
3620	3630	0.01	/	/	/	/	/	/
3630	3631	0.1	CHP	6	3630.195	-49.63	-13	Pass
3631	3635	1	CHP	7	3631.650	-44.45	-10	Pass
3635	3640	1	CHP	8	3637.420	-45.63	-13	Pass
3640	3645	1	CHP	9	3641.890	-45.83	-25	Pass
3645	3655	1	CHP	10	3645.890	-45.89	-30	Pass

Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV

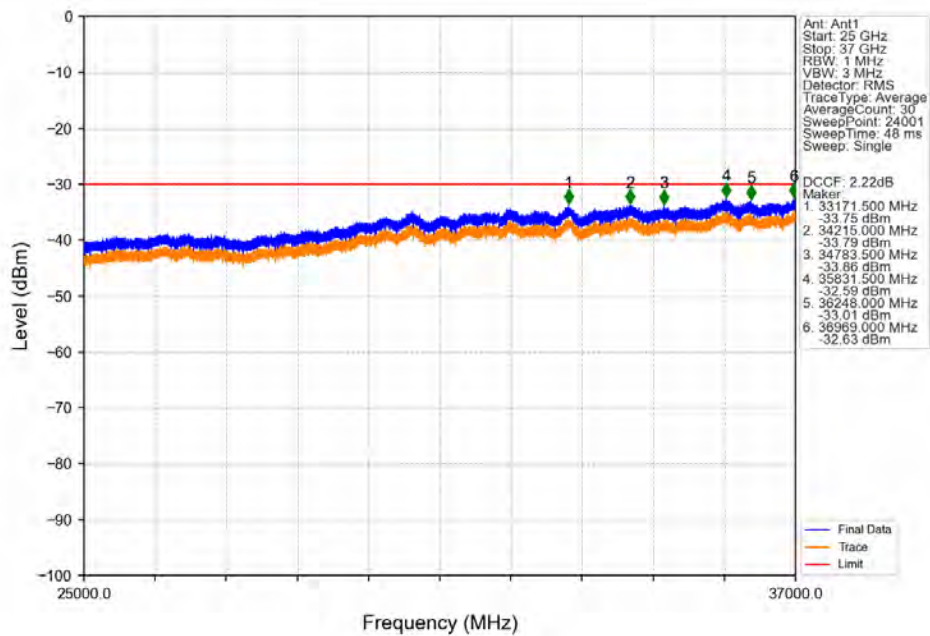




Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV

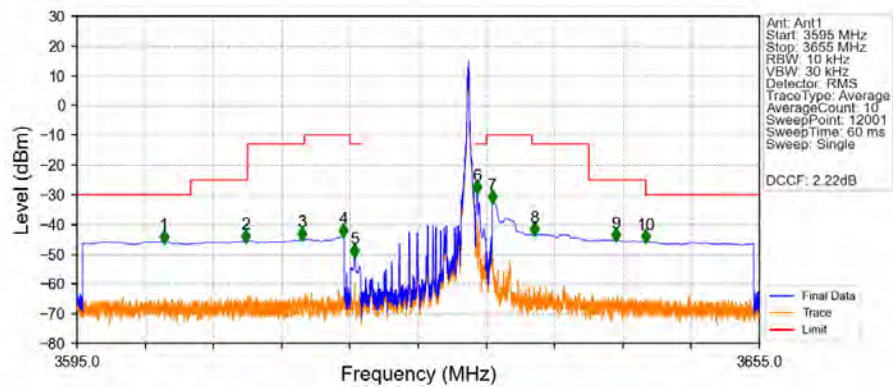


Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



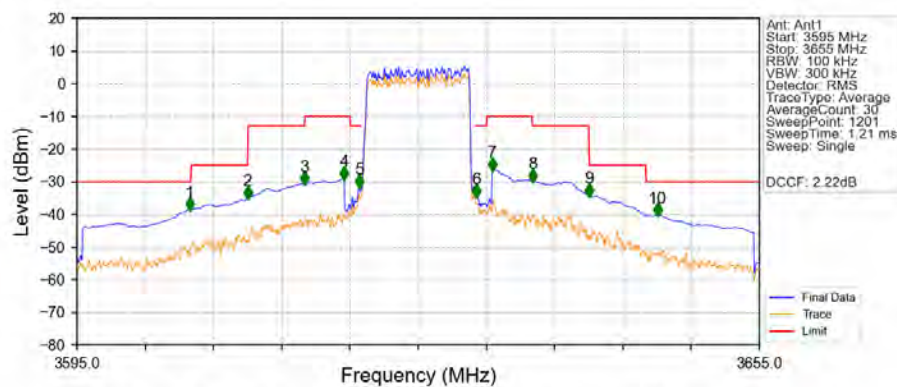


Band48_10MHz_QPSK_MCH_3625MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3595	3605	1	CHP	1	3602.640	-45.82	-30	Pass
3605	3610	1	CHP	2	3609.810	-45.55	-25	Pass
3610	3615	1	CHP	3	3614.810	-44.82	-13	Pass
3615	3619	1	CHP	4	3618.415	-43.75	-10	Pass
3619	3620	0.1	CHP	5	3619.405	-50.49	-13	Pass
3620	3630	0.01	/	/	/	/	/	/
3630	3631	0.1	CHP	6	3630.185	-29.14	-13	Pass
3631	3635	1	CHP	7	3631.500	-32.40	-10	Pass
3635	3640	1	CHP	8	3635.220	-43.27	-13	Pass
3640	3645	1	CHP	9	3642.360	-45.19	-25	Pass
3645	3655	1	CHP	10	3645.005	-45.74	-30	Pass

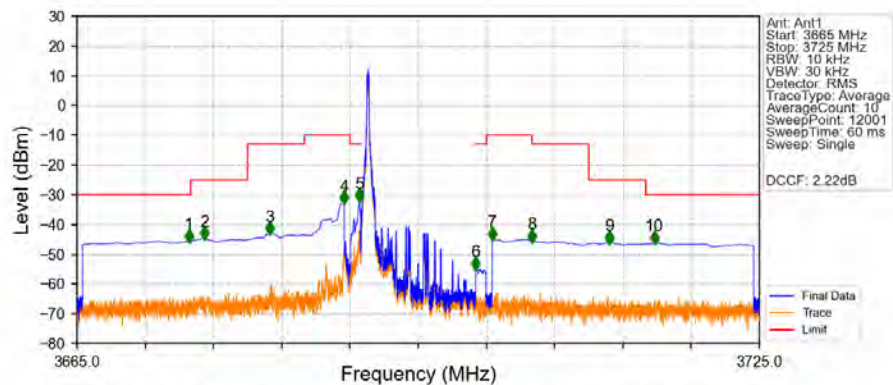
Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3595	3605	1	CHP	1	3604.900	-38.47	-30	Pass
3605	3610	1	CHP	2	3610.000	-34.89	-25	Pass
3610	3615	1	CHP	3	3615.000	-30.54	-13	Pass
3615	3619	1	CHP	4	3618.500	-28.95	-10	Pass
3619	3620	0.1	/	5	3619.800	-31.47	-13	Pass
3620	3630	0.1	/	/	/	/	/	/
3630	3631	0.1	/	6	3630.100	-34.43	-13	Pass
3631	3635	1	CHP	7	3631.500	-26.26	-10	Pass
3635	3640	1	CHP	8	3635.050	-29.61	-13	Pass
3640	3645	1	CHP	9	3640.050	-34.12	-25	Pass
3645	3655	1	CHP	10	3646.050	-40.20	-30	Pass

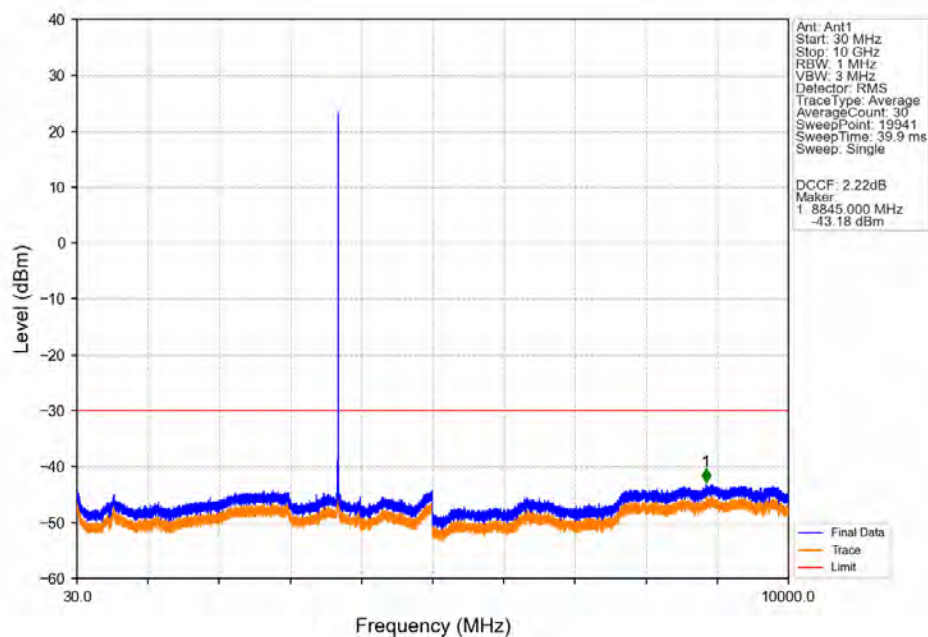


Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



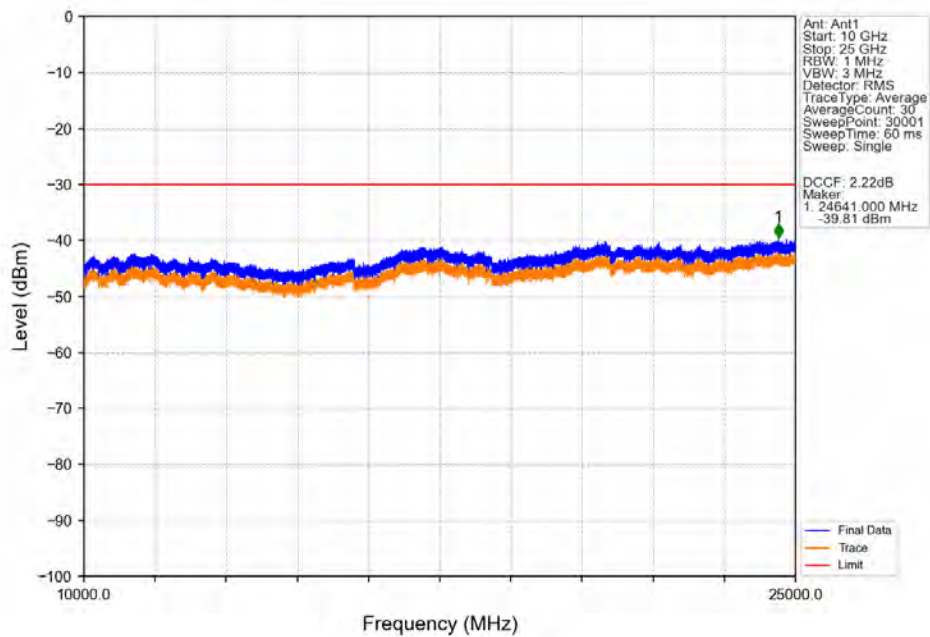
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3665	3675	1	CHP	1	3674.840	-45.58	-30	Pass
3675	3680	1	CHP	2	3676.190	-44.61	-25	Pass
3680	3685	1	CHP	3	3681.925	-42.99	-13	Pass
3685	3689	1	CHP	4	3688.485	-32.65	-10	Pass
3689	3690	0.1	CHP	5	3689.830	-31.88	-13	Pass
3690	3700	0.01	/	/	/	/	/	/
3700	3701	0.1	CHP	6	3700.050	-54.79	-13	Pass
3701	3705	1	CHP	7	3701.525	-44.86	-10	Pass
3705	3710	1	CHP	8	3705.010	-45.51	-13	Pass
3710	3715	1	CHP	9	3711.805	-46.05	-25	Pass
3715	3725	1	CHP	10	3715.760	-46.09	-30	Pass

Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV

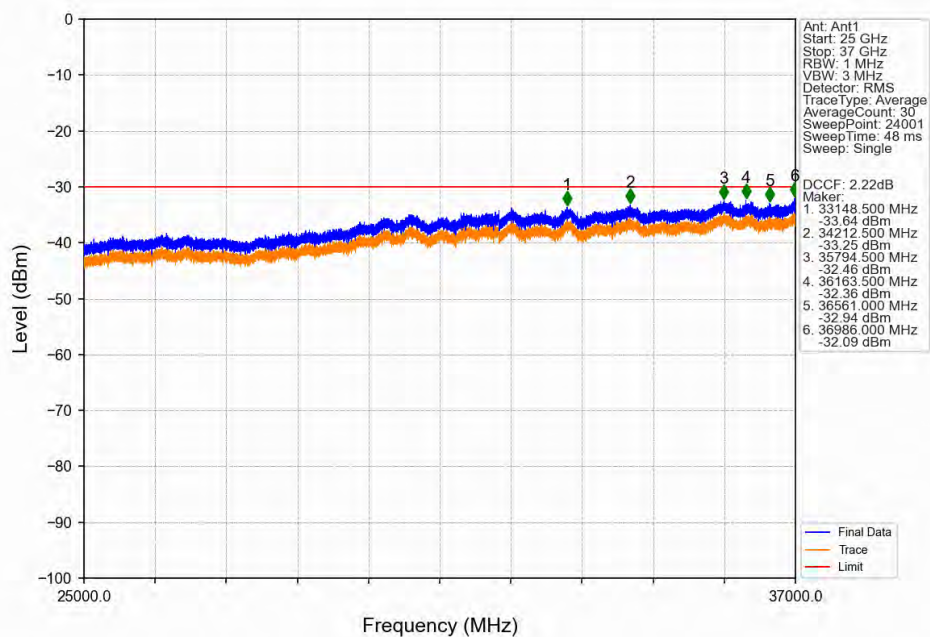




Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV

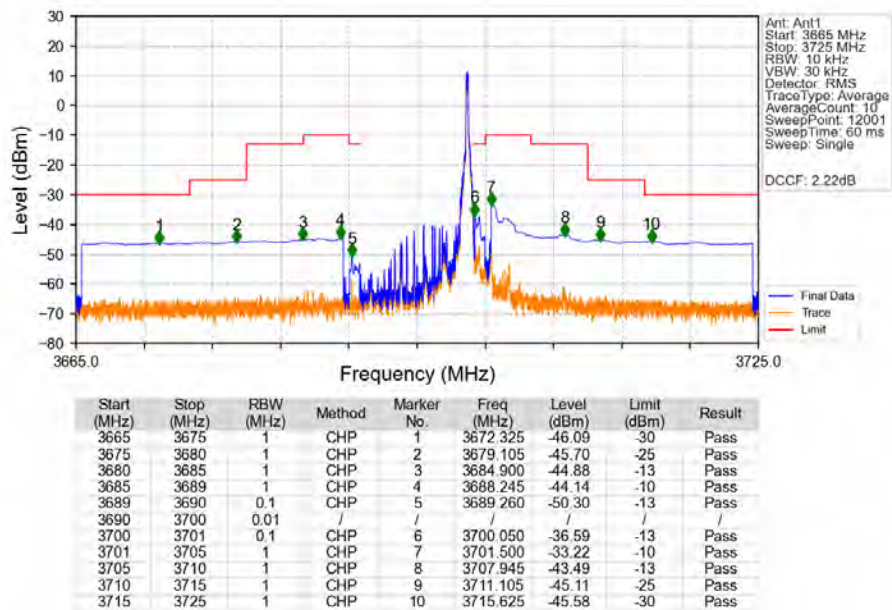


Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV

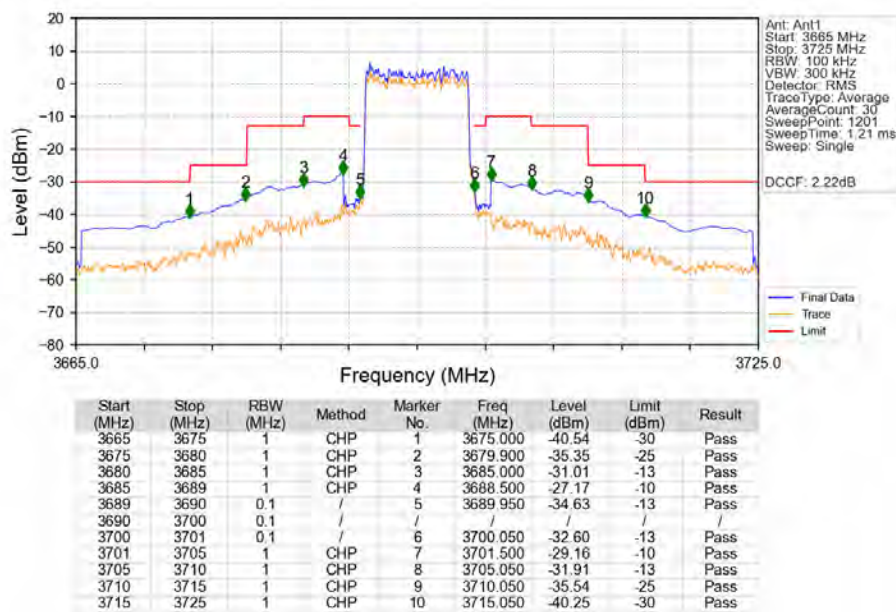




Band48_10MHz_QPSK_HCH_3695MHz_RB_1_49_NTNV

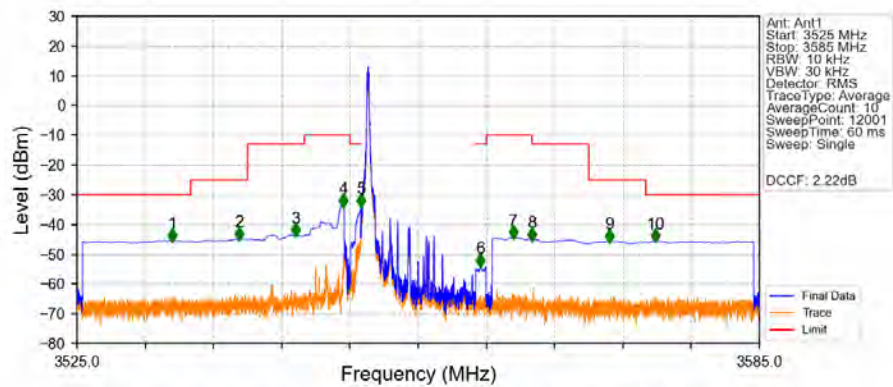


Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



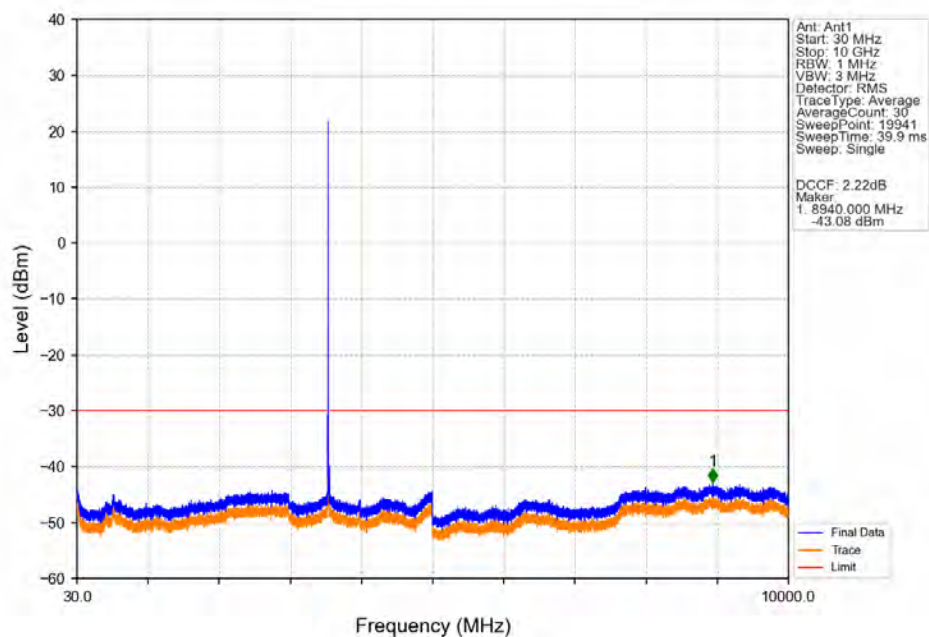


Band48_10MHz_16QAM LCH 3555MHz_RB 1_0_NTNV



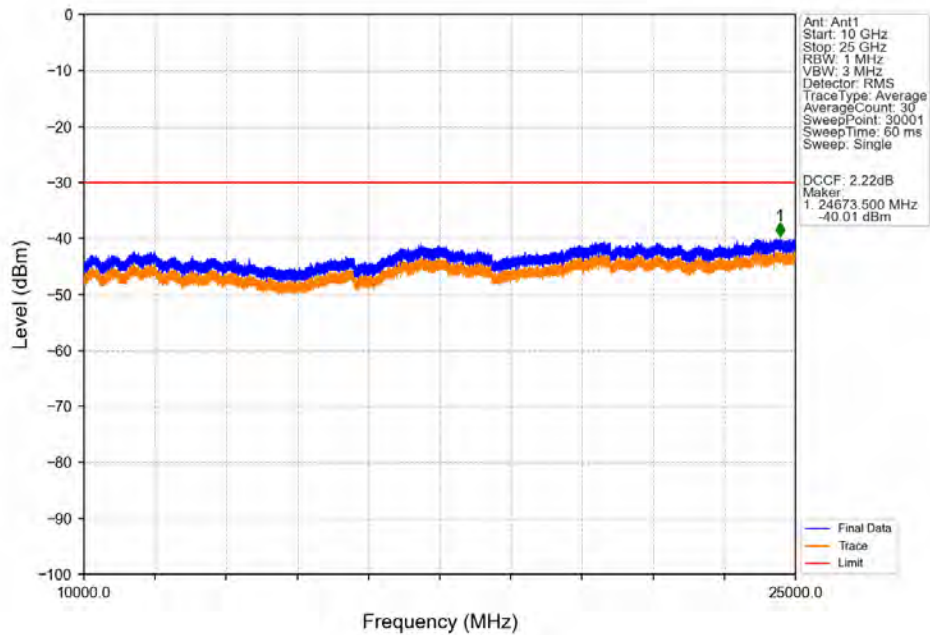
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3533.380	-45.39	-30	Pass
3535	3540	1	CHP	2	3539.265	-44.79	-25	Pass
3540	3545	1	CHP	3	3544.230	-43.57	-13	Pass
3545	3549	1	CHP	4	3548.435	-33.55	-10	Pass
3549	3550	0.1	CHP	5	3549.950	-33.61	-13	Pass
3550	3560	0.01	/	/	/	/	/	/
3560	3561	0.1	CHP	6	3560.495	-53.65	-13	Pass
3561	3565	1	CHP	7	3563.385	-44.39	-10	Pass
3565	3570	1	CHP	8	3565.005	-45.07	-13	Pass
3570	3575	1	CHP	9	3571.810	-45.57	-25	Pass
3575	3585	1	CHP	10	3575.885	-45.48	-30	Pass

Band48_10MHz_16QAM LCH 3555MHz_RB 1_0_NTNV

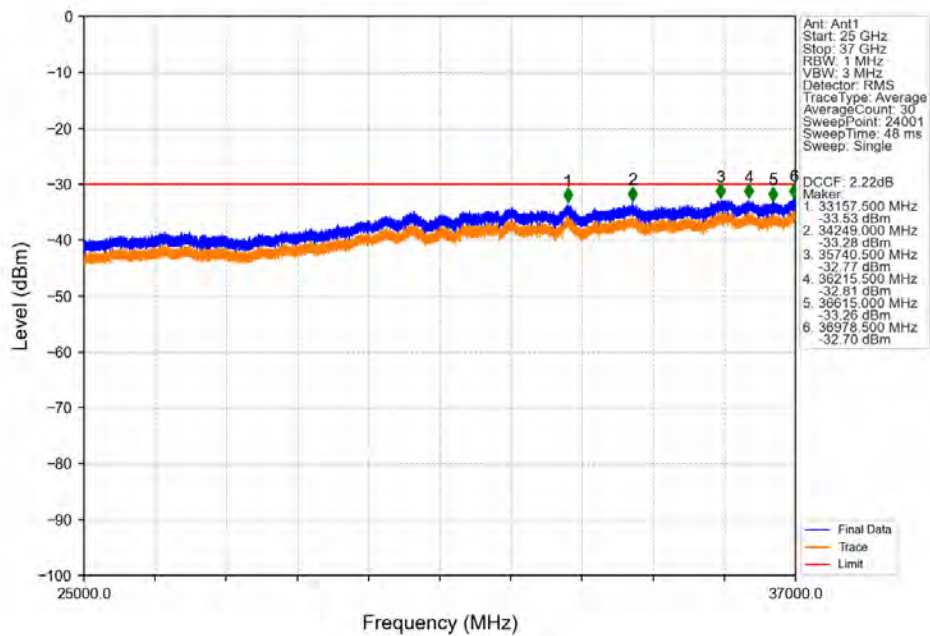




Band48_10MHz_16QAM LCH 3555MHz_RB 1_0_NTNV

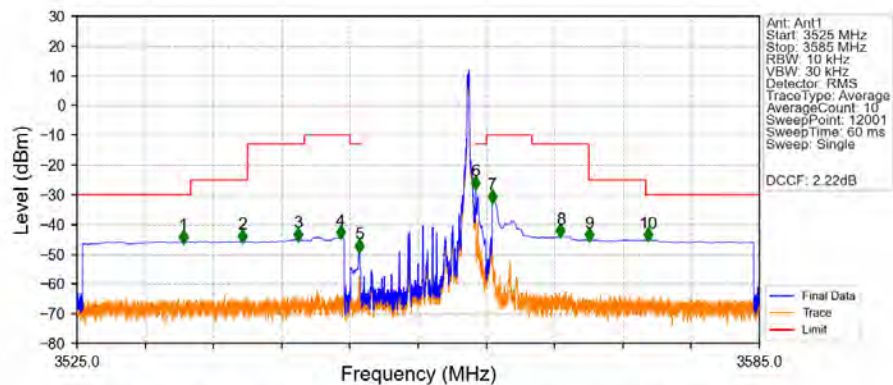


Band48_10MHz_16QAM LCH 3555MHz_RB 1_0_NTNV



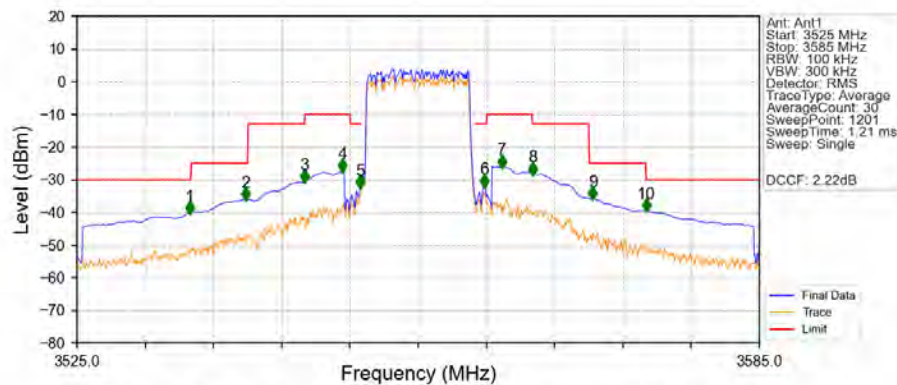


Band48 10MHz 16QAM LCH 3555MHz RB 1 49 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3534.340	-45.81	-30	Pass
3535	3540	1	CHP	2	3539.565	-45.64	-25	Pass
3540	3545	1	CHP	3	3544.455	-45.01	-13	Pass
3545	3549	1	CHP	4	3548.185	-44.33	-10	Pass
3549	3550	0.1	CHP	5	3549.800	-48.74	-13	Pass
3550	3560	0.01	/	/	/	/	/	/
3560	3561	0.1	CHP	6	3560.050	-27.57	-13	Pass
3561	3565	1	CHP	7	3561.500	-32.19	-10	Pass
3565	3570	1	CHP	8	3567.515	-43.81	-13	Pass
3570	3575	1	CHP	9	3570.035	-45.19	-25	Pass
3575	3585	1	CHP	10	3575.235	-45.19	-30	Pass

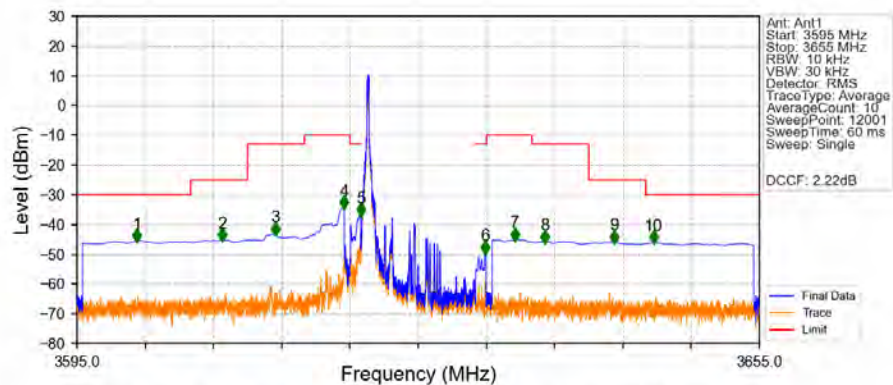
Band48 10MHz 16QAM LCH 3555MHz RB 50 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3534.900	-40.17	-30	Pass
3535	3540	1	CHP	2	3539.850	-36.01	-25	Pass
3540	3545	1	CHP	3	3545.000	-30.54	-13	Pass
3545	3549	1	CHP	4	3548.350	-27.31	-10	Pass
3549	3550	0.1	/	5	3549.900	-32.26	-13	Pass
3550	3560	0.1	/	/	/	/	/	/
3560	3561	0.1	/	6	3560.850	-31.96	-13	Pass
3561	3565	1	CHP	7	3562.350	-25.93	-10	Pass
3565	3570	1	CHP	8	3565.050	-28.26	-13	Pass
3570	3575	1	CHP	9	3570.350	-35.71	-25	Pass
3575	3585	1	CHP	10	3575.050	-39.46	-30	Pass

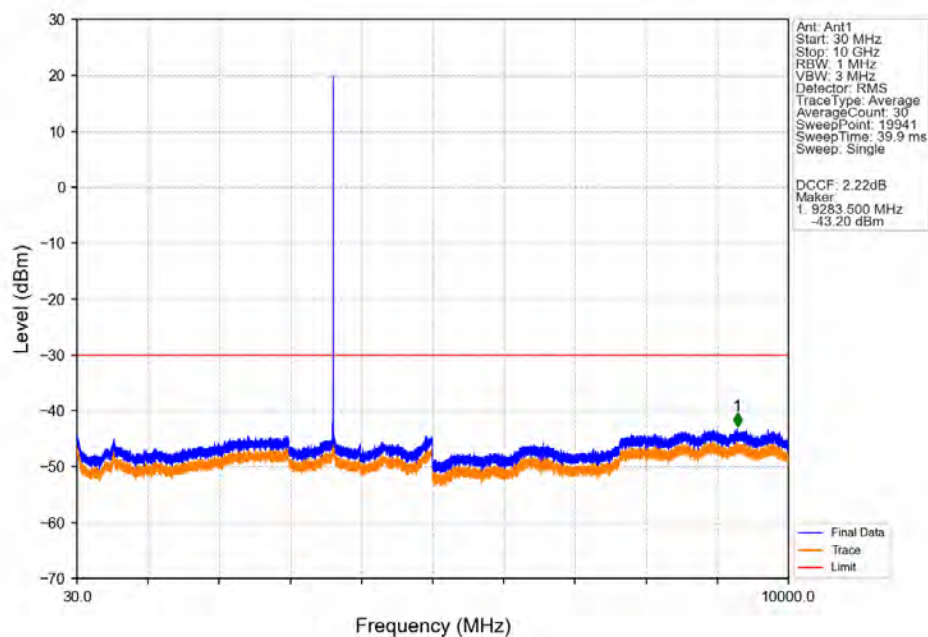


Band48_10MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV



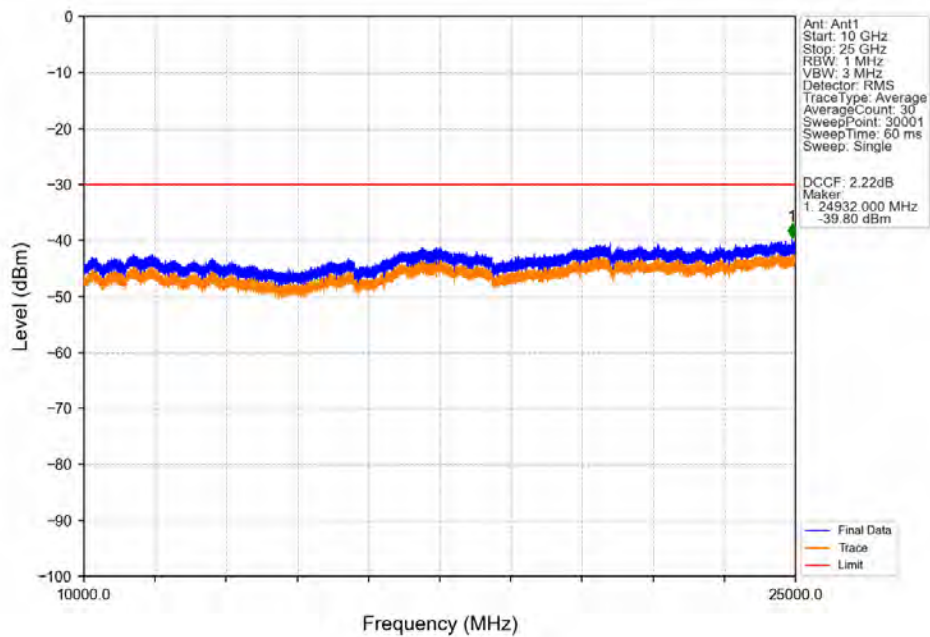
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3595	3605	1	CHP	1	3600.280	-45.43	-30	Pass
3605	3610	1	CHP	2	3607.795	-45.16	-25	Pass
3610	3615	1	CHP	3	3612.445	-43.09	-13	Pass
3615	3619	1	CHP	4	3618.500	-34.30	-10	Pass
3619	3620	0.1	CHP	5	3619.950	-36.78	-13	Pass
3620	3630	0.01	/	/	/	/	/	/
3630	3631	0.1	CHP	6	3630.905	-49.29	-13	Pass
3631	3635	1	CHP	7	3633.520	-45.05	-10	Pass
3635	3640	1	CHP	8	3636.120	-45.77	-13	Pass
3640	3645	1	CHP	9	3642.260	-45.90	-25	Pass
3645	3655	1	CHP	10	3645.685	-45.99	-30	Pass

Band48_10MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV

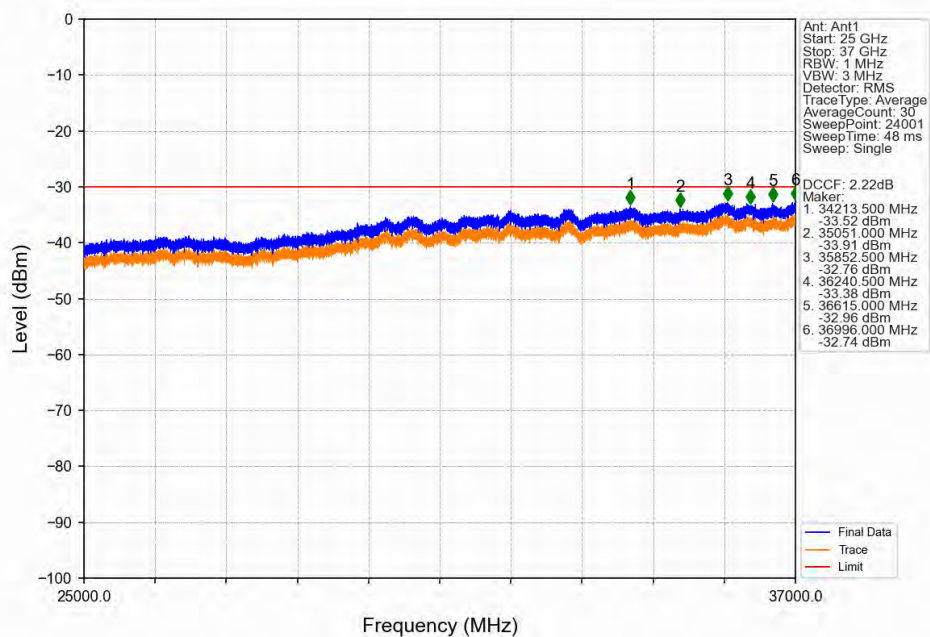




Band48_10MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV

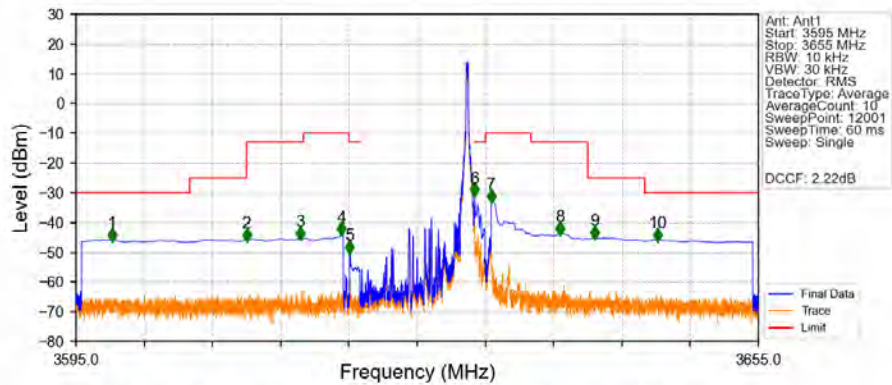


Band48_10MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV



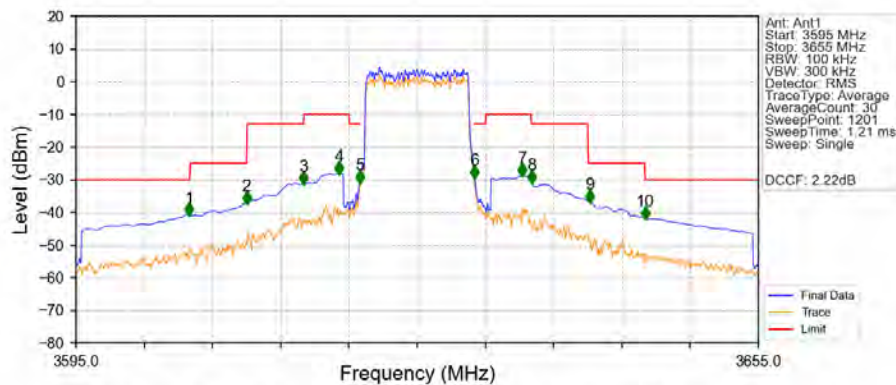


Band48_10MHz_16QAM_MCH_3625MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3595	3605	1	CHP	1	3598.175	-45.81	-30	Pass
3605	3610	1	CHP	2	3610.000	-45.88	-25	Pass
3610	3615	1	CHP	3	3614.710	-45.32	-13	Pass
3615	3619	1	CHP	4	3618.340	-43.78	-10	Pass
3619	3620	0.1	CHP	5	3619.070	-49.97	-13	Pass
3620	3630	0.01	/	/	/	/	/	/
3630	3631	0.1	CHP	6	3630.050	-30.74	-13	Pass
3631	3635	1	CHP	7	3631.500	-32.74	-10	Pass
3635	3640	1	CHP	8	3637.570	-43.66	-13	Pass
3640	3645	1	CHP	9	3640.600	-45.09	-25	Pass
3645	3655	1	CHP	10	3646.155	-45.80	-30	Pass

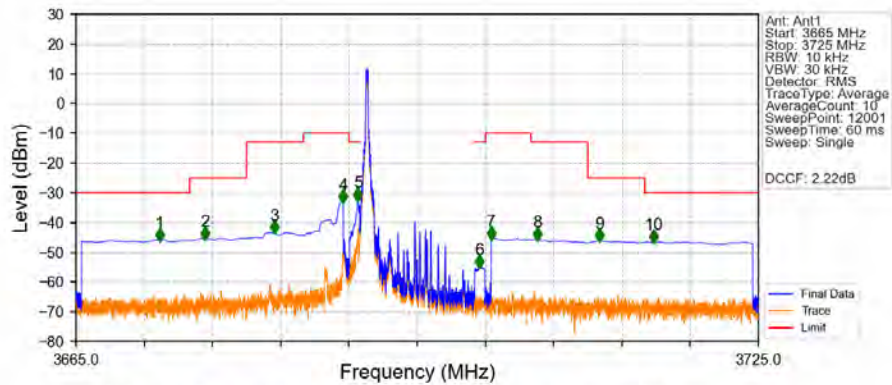
Band48_10MHz_16QAM_MCH_3625MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3595	3605	1	CHP	1	3604.950	-40.70	-30	Pass
3605	3610	1	CHP	2	3610.000	-37.14	-25	Pass
3610	3615	1	CHP	3	3615.000	-31.06	-13	Pass
3615	3619	1	CHP	4	3618.150	-28.05	-10	Pass
3619	3620	0.1	/	5	3619.950	-30.76	-13	Pass
3620	3630	0.1	/	/	/	/	/	/
3630	3631	0.1	/	6	3630.050	-29.14	-13	Pass
3631	3635	1	CHP	7	3634.250	-28.58	-10	Pass
3635	3640	1	CHP	8	3635.050	-30.74	-13	Pass
3640	3645	1	CHP	9	3640.150	-36.56	-25	Pass
3645	3655	1	CHP	10	3645.050	-41.81	-30	Pass

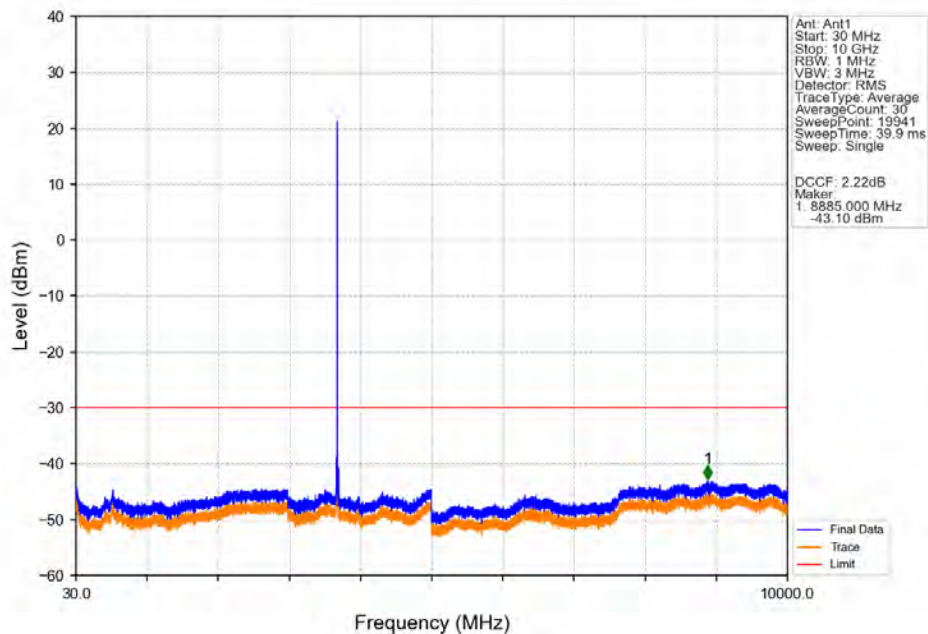


Band48_10MHz_16QAM_HCH_3695MHz_RB_1_0_NTNV



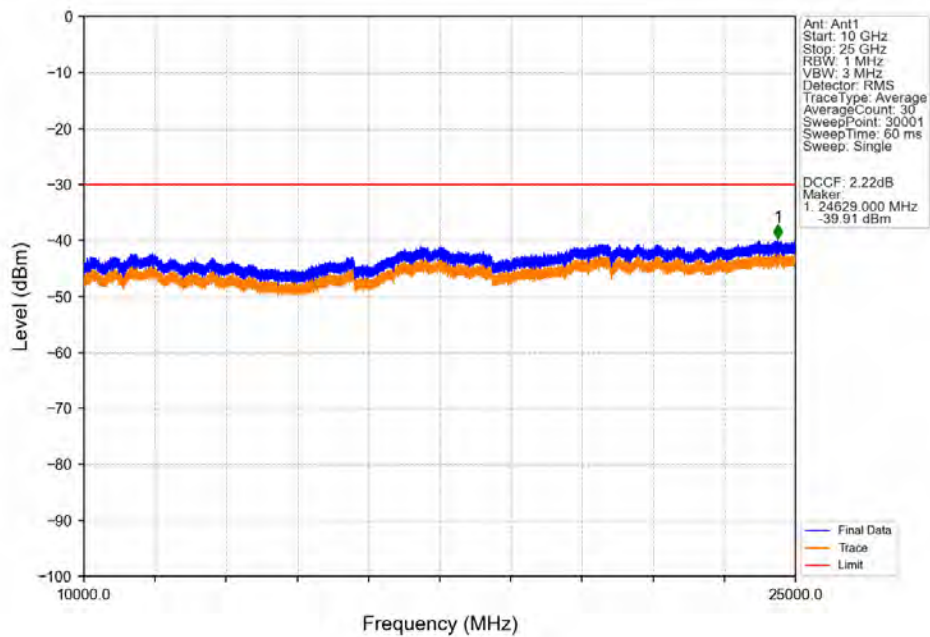
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3665	3675	1	CHP	1	3672.365	-45.76	-30	Pass
3675	3680	1	CHP	2	3676.355	-45.22	-25	Pass
3680	3685	1	CHP	3	3682.460	-43.29	-13	Pass
3685	3689	1	CHP	4	3688.495	-32.94	-10	Pass
3689	3690	0.1	CHP	5	3689.780	-32.30	-13	Pass
3690	3700	0.01	/	/	/	/	/	/
3700	3701	0.1	CHP	6	3700.495	-54.76	-13	Pass
3701	3705	1	CHP	7	3701.505	-45.21	-10	Pass
3705	3710	1	CHP	8	3705.590	-45.57	-13	Pass
3710	3715	1	CHP	9	3711.020	-45.99	-25	Pass
3715	3725	1	CHP	10	3715.785	-46.44	-30	Pass

Band48_10MHz_16QAM_HCH_3695MHz_RB_1_0_NTNV

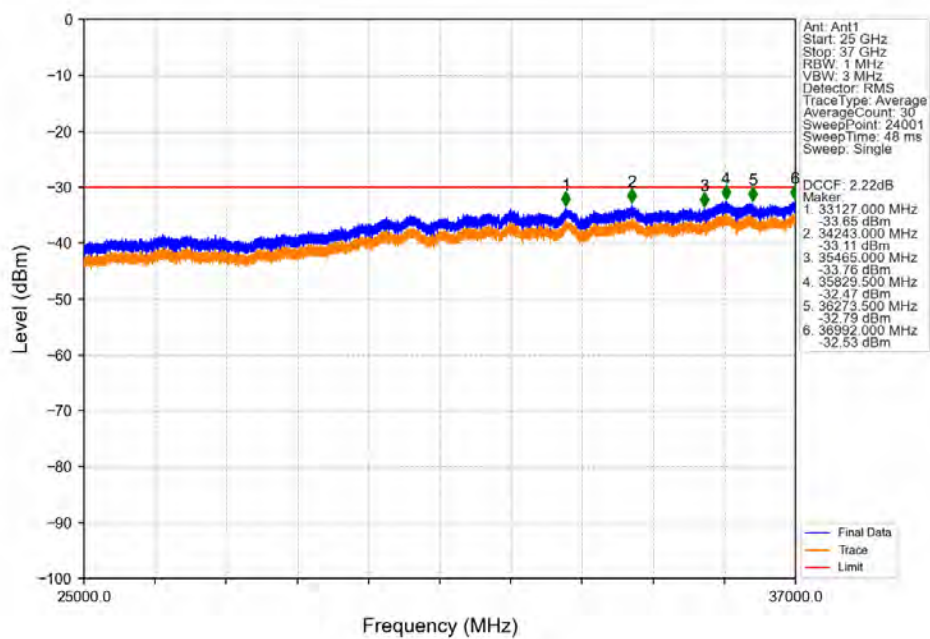




Band48_10MHz_16QAM_HCH_3695MHz_RB_1_0_NTNV

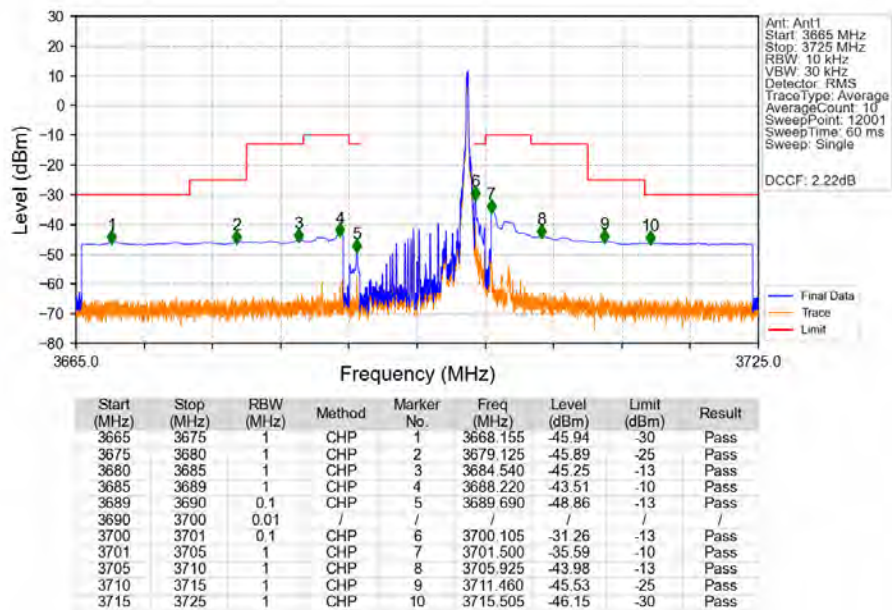


Band48_10MHz_16QAM_HCH_3695MHz_RB_1_0_NTNV

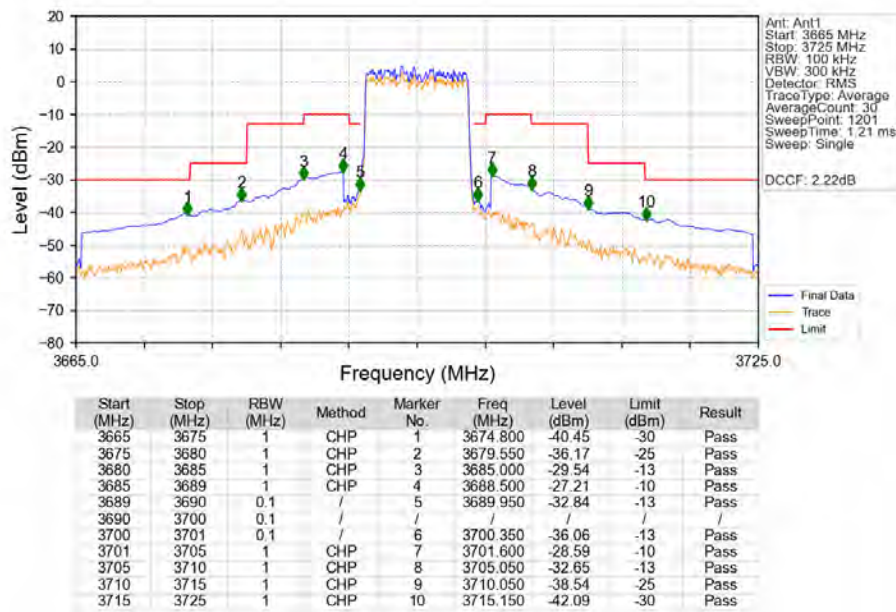




Band48_10MHz_16QAM_HCH_3695MHz_RB_1_49_NTNV

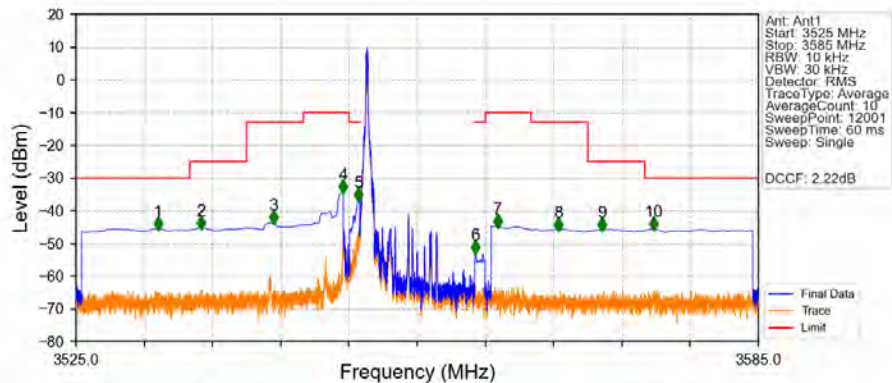


Band48_10MHz_16QAM_HCH_3695MHz_RB_50_0_NTNV



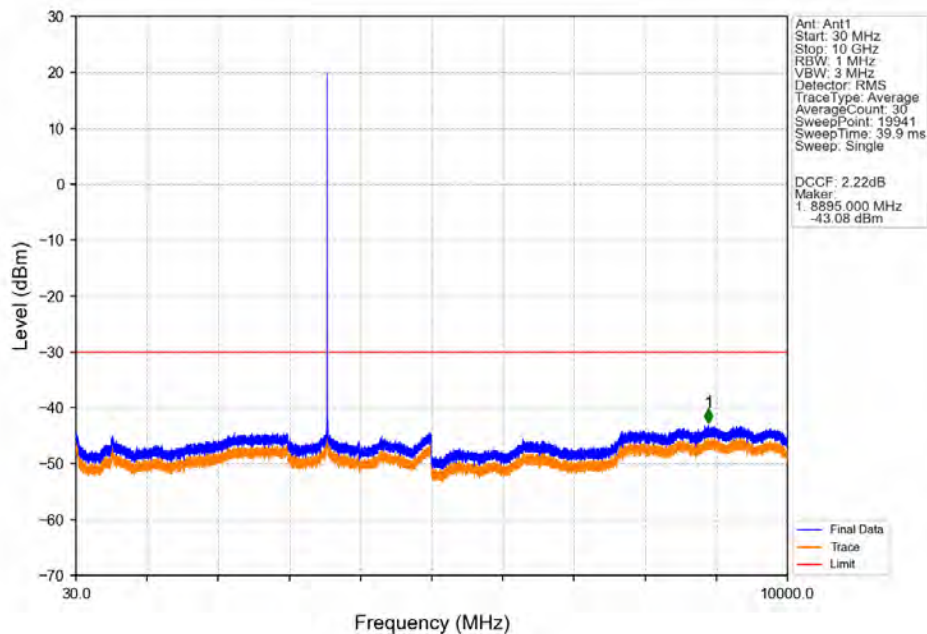


Band48_10MHz_64QAM_LCH_3555MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3532.200	-45.52	-30	Pass
3535	3540	1	CHP	2	3536.010	-45.26	-25	Pass
3540	3545	1	CHP	3	3542.345	-43.52	-13	Pass
3545	3549	1	CHP	4	3548.500	-34.14	-10	Pass
3549	3550	0.1	CHP	5	3549.810	-36.55	-13	Pass
3550	3560	0.01	/	/	/	/	/	/
3560	3561	0.1	CHP	6	3560.120	-52.66	-13	Pass
3561	3565	1	CHP	7	3562.080	-44.74	-10	Pass
3565	3570	1	CHP	8	3567.440	-45.70	-13	Pass
3570	3575	1	CHP	9	3571.220	-45.79	-25	Pass
3575	3585	1	CHP	10	3575.810	-45.58	-30	Pass

Band48_10MHz_64QAM_LCH_3555MHz_RB_1_0_NTNV

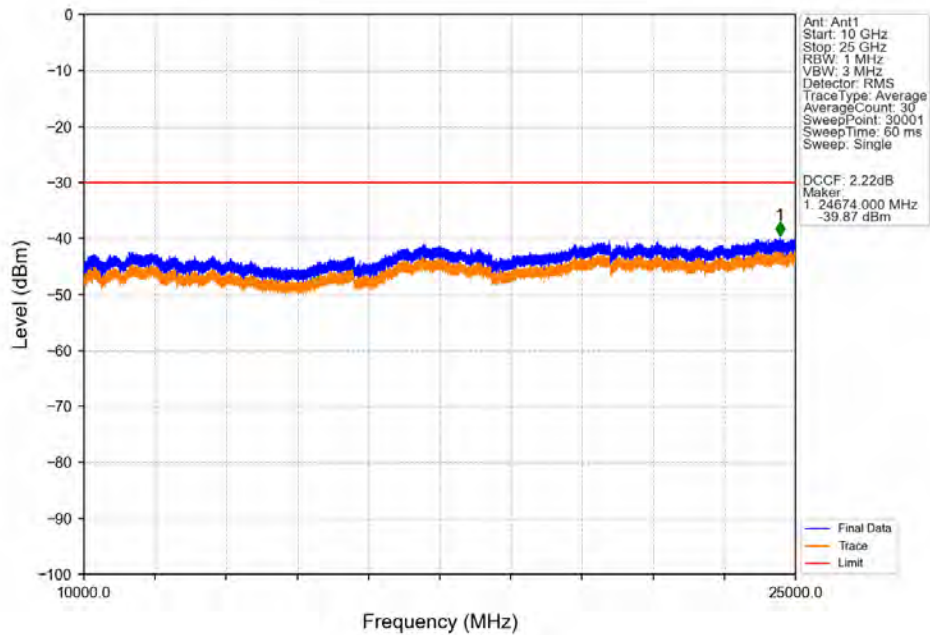




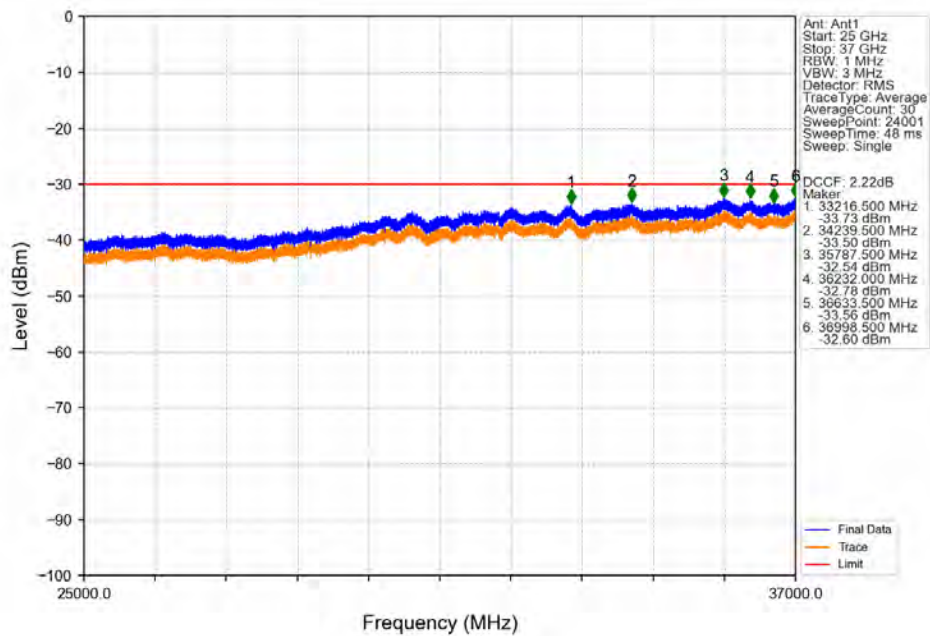
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VERITAS

No.: PSU-NQN2412170317RF01
FCC ID: 2AANY-ER815NRQ3

Band48_10MHz_64QAM LCH 3555MHz_RB 1_0_NTNV

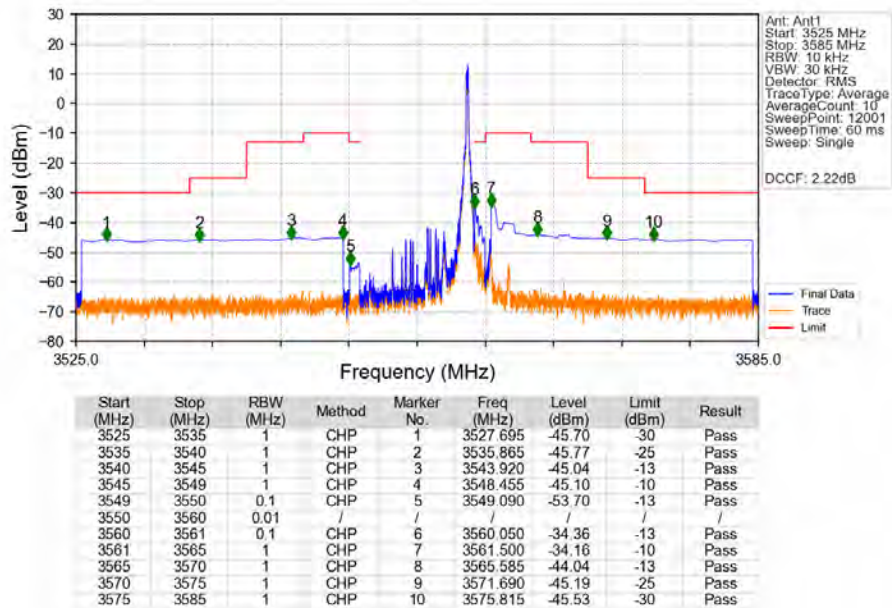


Band48_10MHz_64QAM LCH 3555MHz_RB 1_0_NTNV

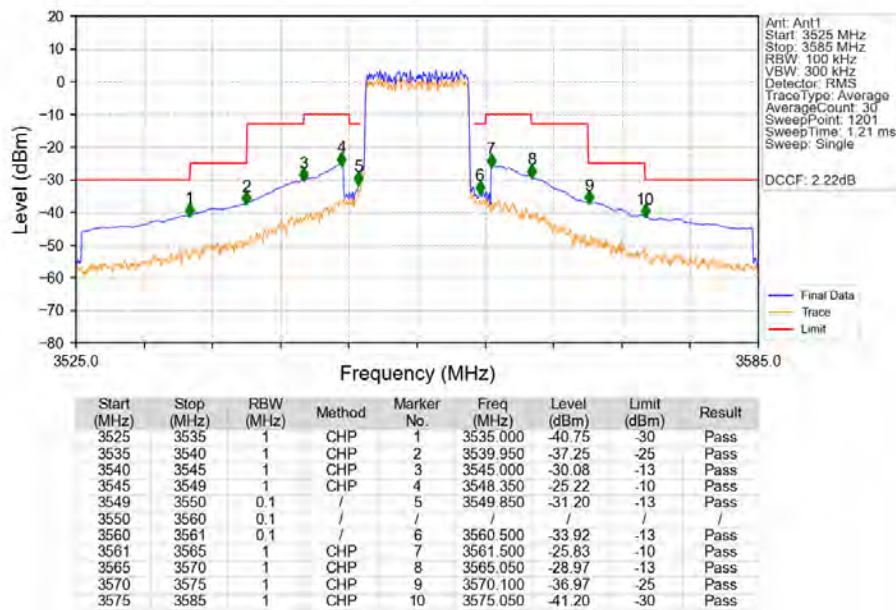




Band48 10MHz 64QAM LCH 3555MHz RB 1 49 NTNV

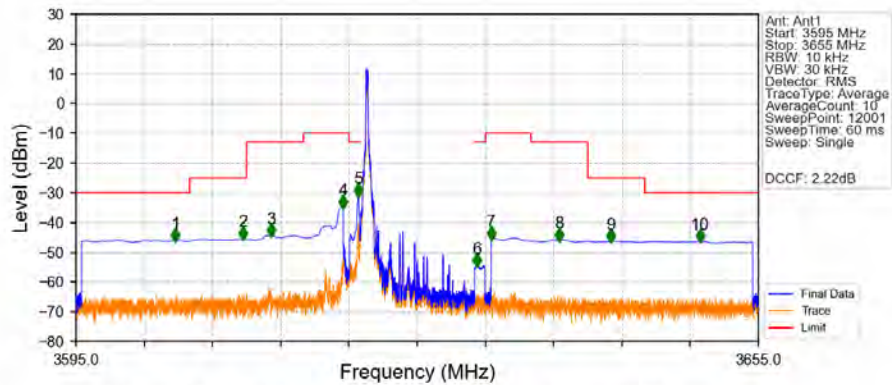


Band48 10MHz 64QAM LCH 3555MHz RB 50 0 NTNV



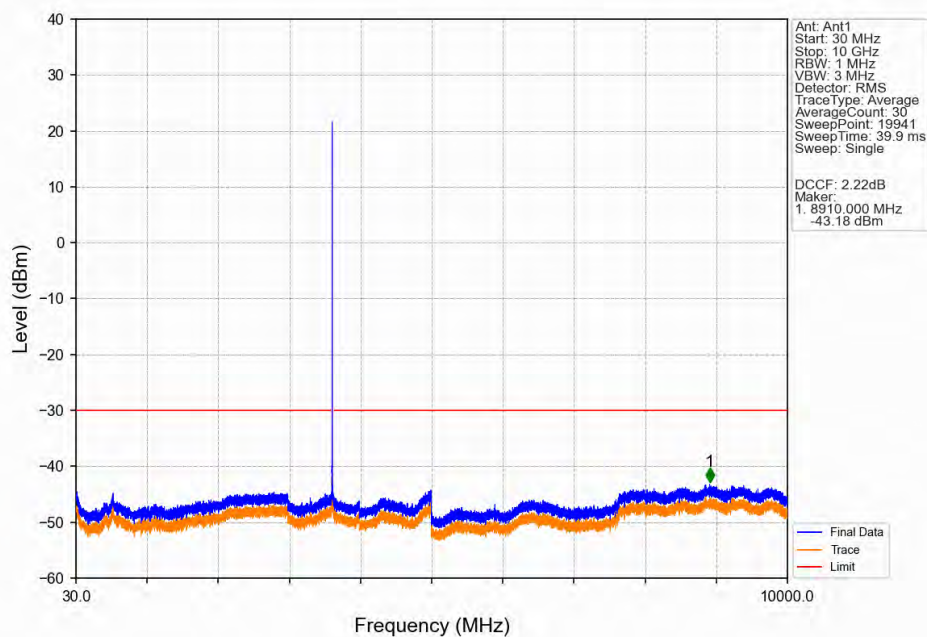


Band48_10MHz_64QAM_MCH_3625MHz_RB_1_0_NTNV



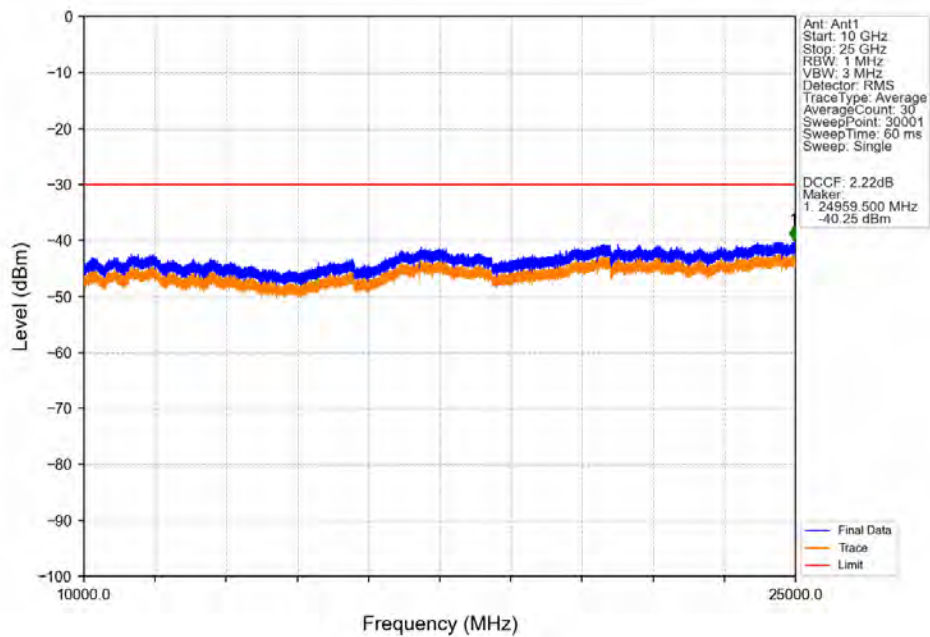
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3595	3605	1	CHP	1	3603.745	-45.95	-30	Pass
3605	3610	1	CHP	2	3609.665	-45.33	-25	Pass
3610	3615	1	CHP	3	3612.190	-44.34	-13	Pass
3615	3619	1	CHP	4	3618.495	-34.74	-10	Pass
3619	3620	0.1	CHP	5	3619.815	-30.83	-13	Pass
3620	3630	0.01	/	/	/	/	/	/
3630	3631	0.1	CHP	6	3630.250	-54.38	-13	Pass
3631	3635	1	CHP	7	3631.520	-45.21	-10	Pass
3635	3640	1	CHP	8	3637.505	-45.76	-13	Pass
3640	3645	1	CHP	9	3642.040	-46.22	-25	Pass
3645	3655	1	CHP	10	3649.865	-46.28	-30	Pass

Band48_10MHz_64QAM_MCH_3625MHz_RB_1_0_NTNV

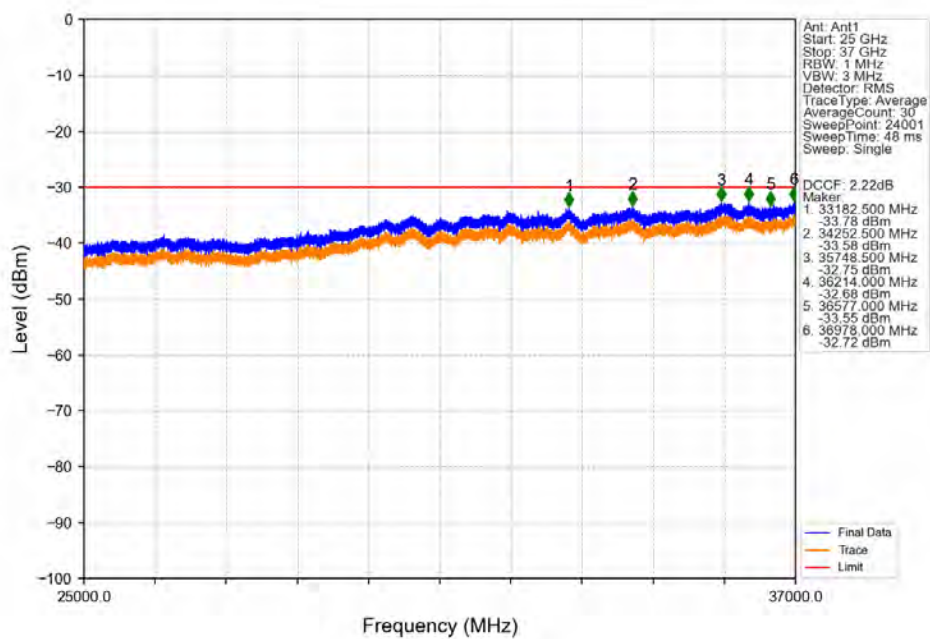




Band48_10MHz_64QAM_MCH_3625MHz_RB_1_0_NTNV

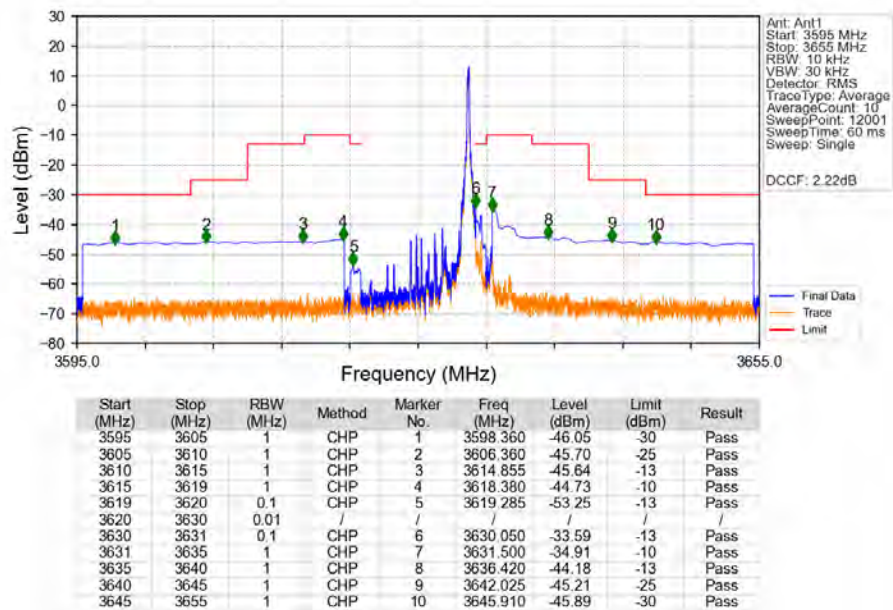


Band48_10MHz_64QAM_MCH_3625MHz_RB_1_0_NTNV

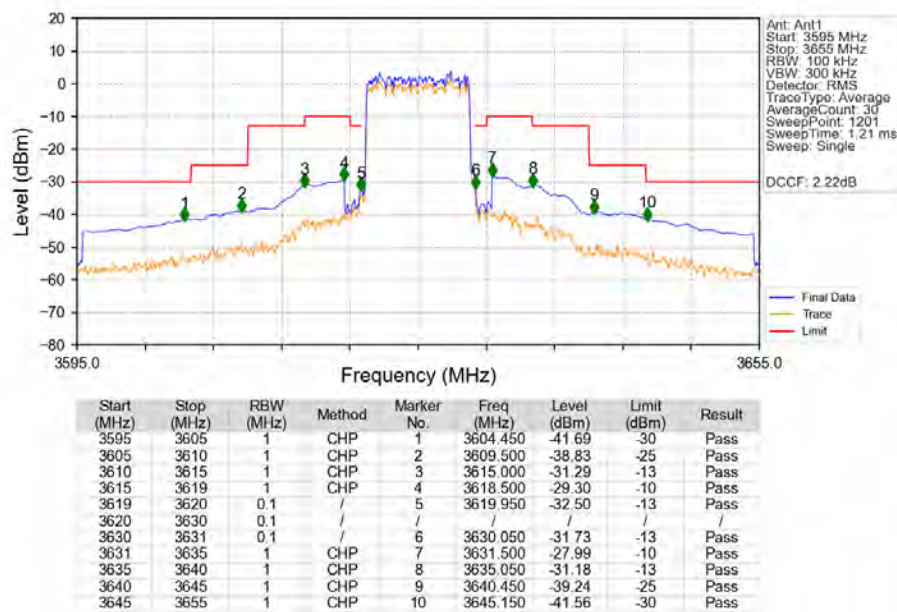




Band48_10MHz_64QAM_MCH_3625MHz_RB_1_49_NTNV

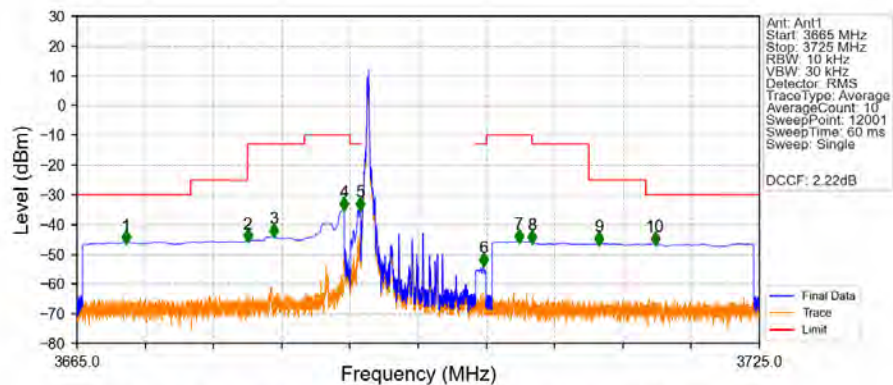


Band48_10MHz_64QAM_MCH_3625MHz_RB_50_0_NTNV



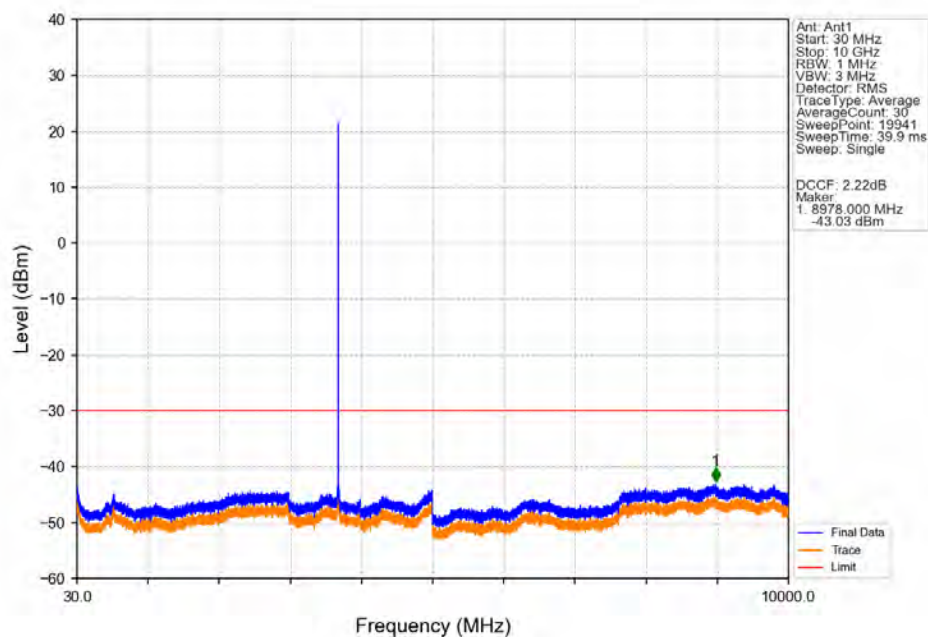


Band48_10MHz_64QAM_HCH_3695MHz_RB_1_0_NTNV



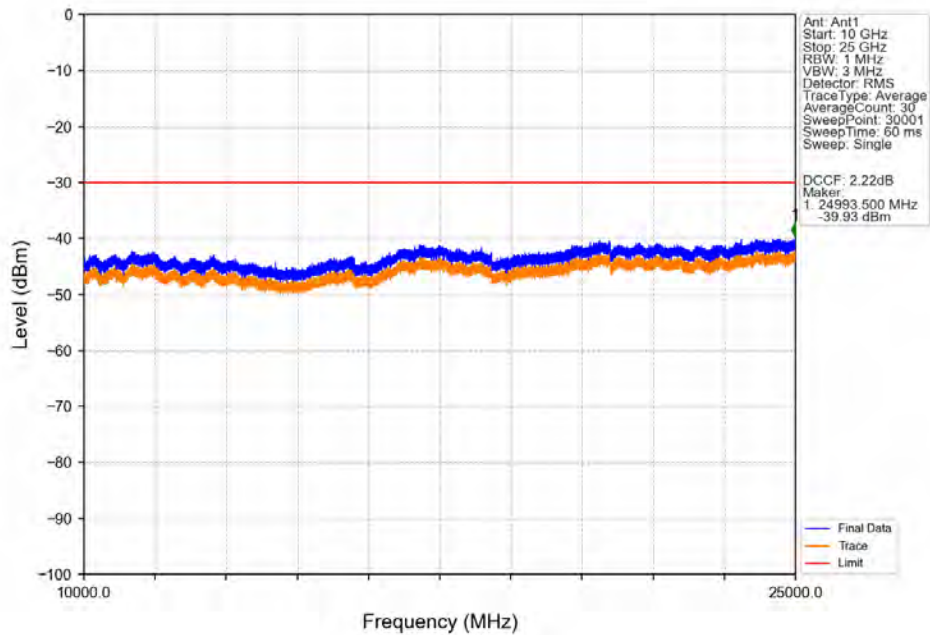
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3665	3675	1	CHP	1	3669.330	-45.96	-30	Pass
3675	3680	1	CHP	2	3680.000	-45.47	-25	Pass
3680	3685	1	CHP	3	3682.310	-43.72	-13	Pass
3685	3689	1	CHP	4	3688.495	-34.70	-10	Pass
3689	3690	0.1	CHP	5	3689.860	-34.62	-13	Pass
3690	3700	0.01	/	/	/	/	/	/
3700	3701	0.1	CHP	6	3700.750	-53.52	-13	Pass
3701	3705	1	CHP	7	3703.830	-45.62	-10	Pass
3705	3710	1	CHP	8	3705.005	-45.91	-13	Pass
3710	3715	1	CHP	9	3710.900	-46.38	-25	Pass
3715	3725	1	CHP	10	3715.835	-46.43	-30	Pass

Band48_10MHz_64QAM_HCH_3695MHz_RB_1_0_NTNV

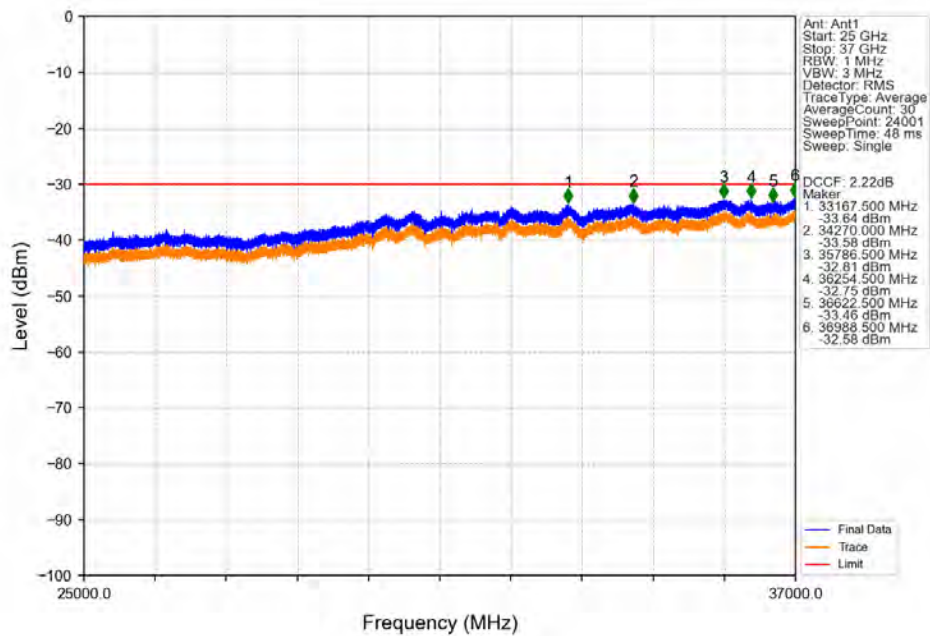




Band48_10MHz_64QAM_HCH_3695MHz_RB_1_0_NTNV

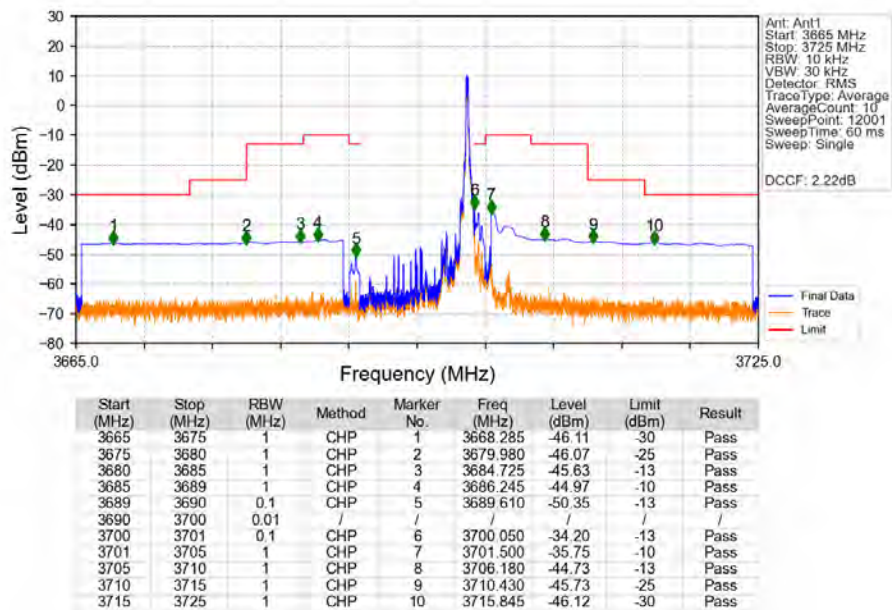


Band48_10MHz_64QAM_HCH_3695MHz_RB_1_0_NTNV

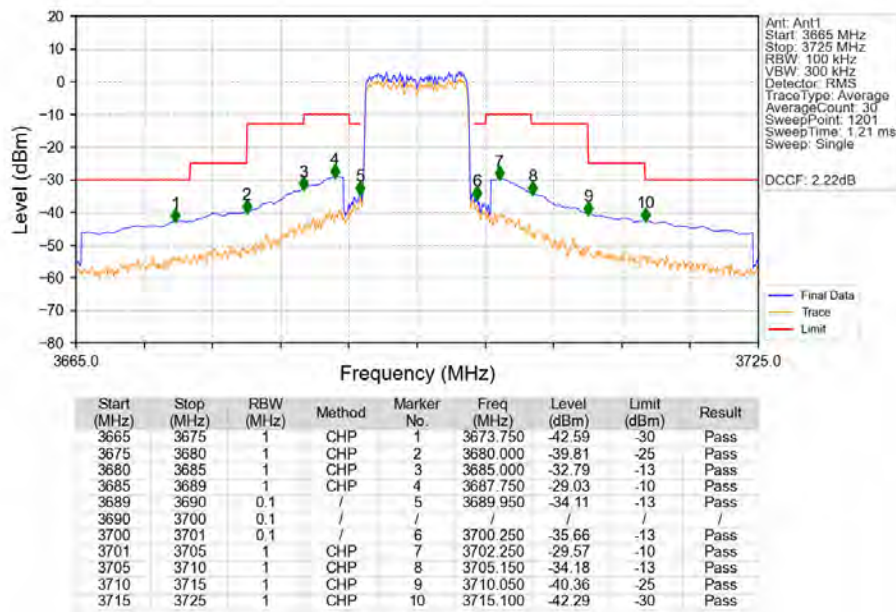




Band48_10MHz_64QAM_HCH_3695MHz_RB_1_49_NTNV



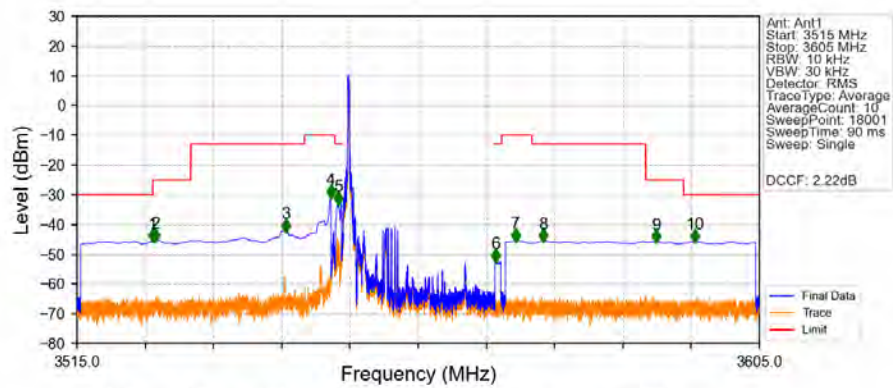
Band48_10MHz_64QAM_HCH_3695MHz_RB_50_0_NTNV



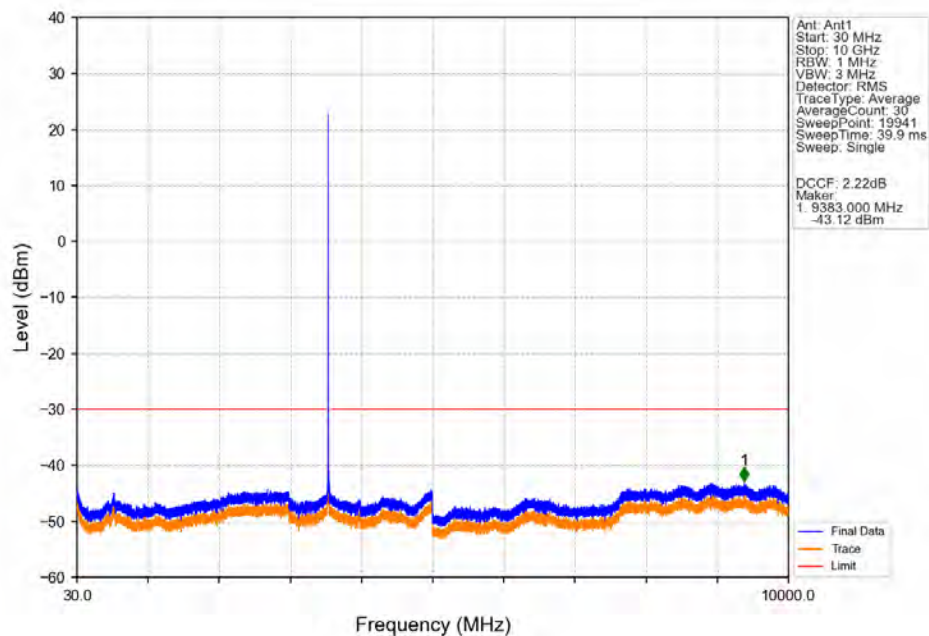


6.2.3 B48_15MHz

Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV

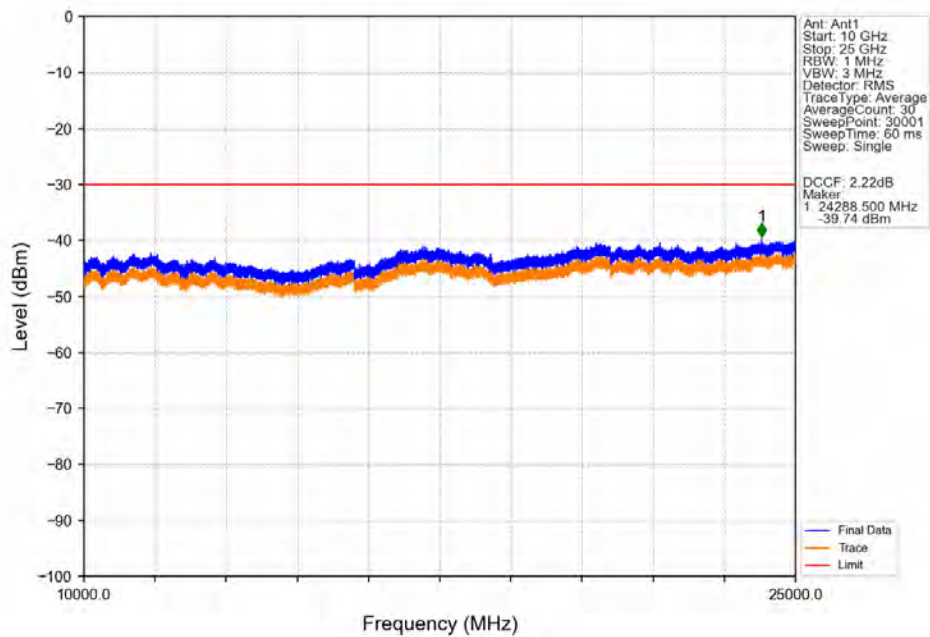


Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV

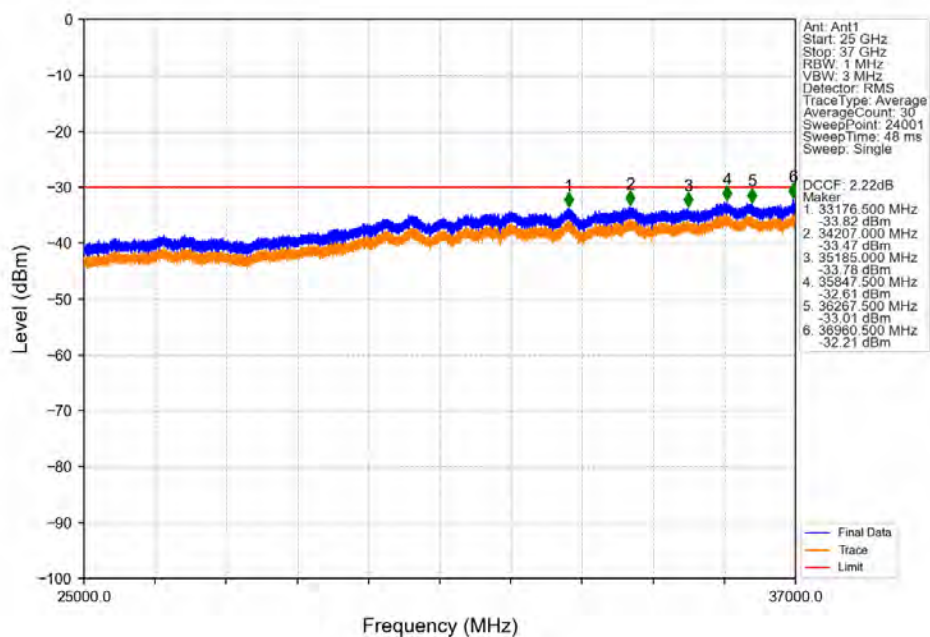




Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV

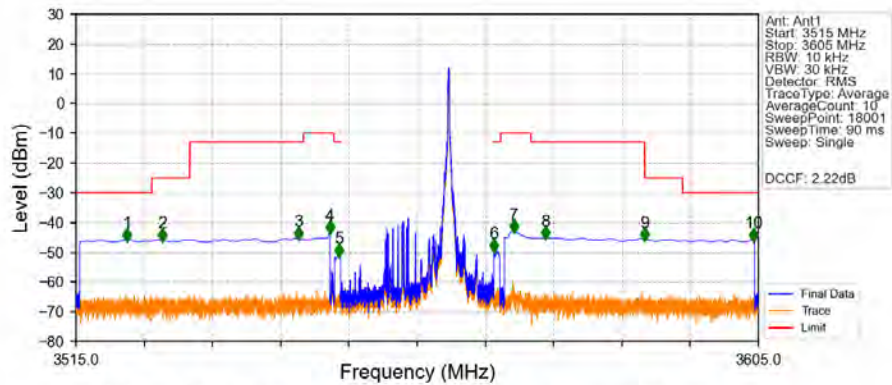


Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



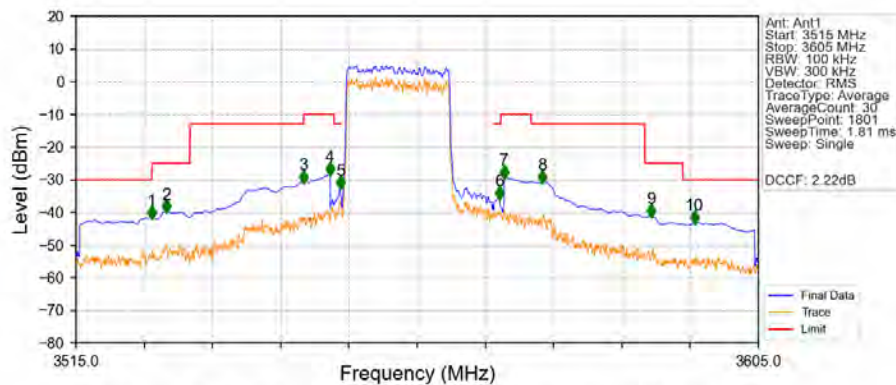


Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3515	3525	1	CHP	1	3521.740	-45.84	-30	Pass
3525	3530	1	CHP	2	3526.355	-45.76	-25	Pass
3530	3545	1	CHP	3	3544.365	-45.21	-13	Pass
3545	3549	1	CHP	4	3548.495	-43.24	-10	Pass
3549	3550	0.2	CHP	5	3549.720	-51.00	-13	Pass
3550	3570	0.01	/	/	/	/	/	/
3570	3571	0.2	CHP	6	3570.105	-49.31	-13	Pass
3571	3575	1	CHP	7	3572.770	-43.01	-10	Pass
3575	3590	1	CHP	8	3576.935	-45.14	-13	Pass
3590	3595	1	CHP	9	3590.020	-45.74	-25	Pass
3595	3605	1	CHP	10	3604.405	-45.90	-30	Pass

Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3515	3525	1	CHP	1	3525.000	-41.59	-30	Pass
3525	3530	1	CHP	2	3526.950	-39.67	-25	Pass
3530	3545	1	CHP	3	3545.000	-30.60	-13	Pass
3545	3549	1	CHP	4	3548.500	-28.21	-10	Pass
3549	3550	0.2	CHP	5	3549.850	-32.46	-13	Pass
3550	3570	0.2	CHP	/	/	/	/	/
3570	3571	0.2	CHP	6	3570.850	-35.62	-13	Pass
3571	3575	1	CHP	7	3571.500	-29.25	-10	Pass
3575	3590	1	CHP	8	3576.450	-30.64	-13	Pass
3590	3595	1	CHP	9	3590.800	-41.11	-25	Pass
3595	3605	1	CHP	10	3596.550	-43.06	-30	Pass