

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 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	23.58	-4.29	19.29	<=23	Pass
			13	23.52	-4.29	19.23	<=23	Pass
			24	23.58	-4.29	19.29	<=23	Pass
		12	0	22.44	-4.29	18.15	<=23	Pass
			6	22.44	-4.29	18.15	<=23	Pass
			13	22.47	-4.29	18.18	<=23	Pass
		25	0	22.47	-4.29	18.18	<=23	Pass
	3625	1	0	23.55	-4.29	19.26	<=23	Pass
			13	23.51	-4.29	19.22	<=23	Pass
			24	23.63	-4.29	19.34	<=23	Pass
		12	0	22.46	-4.29	18.17	<=23	Pass
			6	22.49	-4.29	18.20	<=23	Pass
			13	22.48	-4.29	18.19	<=23	Pass
		25	0	22.54	-4.29	18.25	<=23	Pass
	3697.5	1	0	23.58	-4.29	19.29	<=23	Pass
			13	23.53	-4.29	19.24	<=23	Pass
			24	23.62	-4.29	19.33	<=23	Pass
		12	0	22.41	-4.29	18.12	<=23	Pass
			6	22.52	-4.29	18.23	<=23	Pass
			13	22.55	-4.29	18.26	<=23	Pass
		25	0	22.56	-4.29	18.27	<=23	Pass
16QAM	3552.5	1	0	22.78	-4.29	18.49	<=23	Pass
			13	22.71	-4.29	18.42	<=23	Pass
			24	22.76	-4.29	18.47	<=23	Pass
		12	0	21.21	-4.29	16.92	<=23	Pass
			6	21.22	-4.29	16.93	<=23	Pass
			13	21.27	-4.29	16.98	<=23	Pass
		25	0	21.46	-4.29	17.17	<=23	Pass
	3625	1	0	22.79	-4.29	18.50	<=23	Pass
			13	22.76	-4.29	18.47	<=23	Pass
			24	22.52	-4.29	18.23	<=23	Pass
		12	0	21.10	-4.29	16.81	<=23	Pass
			6	21.20	-4.29	16.91	<=23	Pass
			13	21.27	-4.29	16.98	<=23	Pass
		25	0	21.37	-4.29	17.08	<=23	Pass
	3697.5	1	0	22.79	-4.29	18.50	<=23	Pass
			13	22.73	-4.29	18.44	<=23	Pass
			24	22.62	-4.29	18.33	<=23	Pass
		12	0	21.18	-4.29	16.89	<=23	Pass
			6	21.26	-4.29	16.97	<=23	Pass
			13	21.25	-4.29	16.96	<=23	Pass
		25	0	21.36	-4.29	17.07	<=23	Pass
64QAM	3552.5	1	0	21.47	-4.29	17.18	<=23	Pass
			13	21.37	-4.29	17.08	<=23	Pass
			24	21.48	-4.29	17.19	<=23	Pass
		12	0	20.81	-4.29	16.52	<=23	Pass
			6	20.80	-4.29	16.51	<=23	Pass
			13	20.79	-4.29	16.50	<=23	Pass
		25	0	20.85	-4.29	16.56	<=23	Pass

	3625	1	0	21.50	-4.29	17.21	<=23	Pass
			13	21.45	-4.29	17.16	<=23	Pass
			24	21.51	-4.29	17.22	<=23	Pass
		12	0	20.86	-4.29	16.57	<=23	Pass
			6	20.92	-4.29	16.63	<=23	Pass
			13	20.92	-4.29	16.63	<=23	Pass
		25	0	20.88	-4.29	16.59	<=23	Pass
	3697.5	1	0	21.50	-4.29	17.21	<=23	Pass
			13	21.43	-4.29	17.14	<=23	Pass
			24	21.50	-4.29	17.21	<=23	Pass
		12	0	20.91	-4.29	16.62	<=23	Pass
			6	20.96	-4.29	16.67	<=23	Pass
			13	20.98	-4.29	16.69	<=23	Pass
		25	0	20.96	-4.29	16.67	<=23	Pass
256QAM	3552.5	1	0	18.84	-4.29	14.55	<=23	Pass
			13	18.75	-4.29	14.46	<=23	Pass
			24	18.73	-4.29	14.44	<=23	Pass
		12	0	18.73	-4.29	14.44	<=23	Pass
			6	18.75	-4.29	14.46	<=23	Pass
			13	18.69	-4.29	14.40	<=23	Pass
		25	0	18.73	-4.29	14.44	<=23	Pass
	3625	1	0	18.82	-4.29	14.53	<=23	Pass
			13	18.79	-4.29	14.50	<=23	Pass
			24	18.83	-4.29	14.54	<=23	Pass
		12	0	18.82	-4.29	14.53	<=23	Pass
			6	18.89	-4.29	14.60	<=23	Pass
			13	18.90	-4.29	14.61	<=23	Pass
		25	0	18.86	-4.29	14.57	<=23	Pass
	3697.5	1	0	18.84	-4.29	14.55	<=23	Pass
			13	18.86	-4.29	14.57	<=23	Pass
			24	18.88	-4.29	14.59	<=23	Pass
		12	0	18.92	-4.29	14.63	<=23	Pass
			6	18.96	-4.29	14.67	<=23	Pass
			13	18.96	-4.29	14.67	<=23	Pass
		25	0	18.88	-4.29	14.59	<=23	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 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	23.50	-4.29	19.21	<=23	Pass
			25	23.56	-4.29	19.27	<=23	Pass
			49	23.61	-4.29	19.32	<=23	Pass
		25	0	22.51	-4.29	18.22	<=23	Pass
			13	22.52	-4.29	18.23	<=23	Pass
			25	22.56	-4.29	18.27	<=23	Pass
		50	0	22.52	-4.29	18.23	<=23	Pass
	3625	1	0	23.54	-4.29	19.25	<=23	Pass
			25	23.56	-4.29	19.27	<=23	Pass
			49	23.67	-4.29	19.38	<=23	Pass
		25	0	22.46	-4.29	18.17	<=23	Pass
			13	22.53	-4.29	18.24	<=23	Pass
			25	22.54	-4.29	18.25	<=23	Pass
		50	0	22.55	-4.29	18.26	<=23	Pass
	3695	1	0	23.56	-4.29	19.27	<=23	Pass

			25	23.59	-4.29	19.30	<=23	Pass		
			49	23.60	-4.29	19.31	<=23	Pass		
			0	22.50	-4.29	18.21	<=23	Pass		
		25	13	22.54	-4.29	18.25	<=23	Pass		
			25	22.56	-4.29	18.27	<=23	Pass		
			50	0	22.51	-4.29	18.22	<=23	Pass	
16QAM	3555	1	0	22.75	-4.29	18.46	<=23	Pass		
			25	22.82	-4.29	18.53	<=23	Pass		
			49	22.80	-4.29	18.51	<=23	Pass		
		25	0	21.20	-4.29	16.91	<=23	Pass		
			13	21.16	-4.29	16.87	<=23	Pass		
			25	21.29	-4.29	17.00	<=23	Pass		
		50	0	20.80	-4.29	16.51	<=23	Pass		
		3625	1	0	22.69	-4.29	18.40	<=23	Pass	
				25	22.73	-4.29	18.44	<=23	Pass	
	49			22.85	-4.29	18.56	<=23	Pass		
	25		0	21.44	-4.29	17.15	<=23	Pass		
			13	21.47	-4.29	17.18	<=23	Pass		
			25	21.49	-4.29	17.20	<=23	Pass		
	50		0	21.50	-4.29	17.21	<=23	Pass		
	3695		1	0	22.75	-4.29	18.46	<=23	Pass	
				25	22.77	-4.29	18.48	<=23	Pass	
		49		22.81	-4.29	18.52	<=23	Pass		
		25	0	21.42	-4.29	17.13	<=23	Pass		
			13	21.46	-4.29	17.17	<=23	Pass		
			25	21.50	-4.29	17.21	<=23	Pass		
		50	0	21.45	-4.29	17.16	<=23	Pass		
		64QAM	3555	1	0	21.47	-4.29	17.18	<=23	Pass
					25	21.45	-4.29	17.16	<=23	Pass
	49				21.55	-4.29	17.26	<=23	Pass	
25	0			20.81	-4.29	16.52	<=23	Pass		
	13			20.83	-4.29	16.54	<=23	Pass		
	25			20.78	-4.29	16.49	<=23	Pass		
50	0			20.78	-4.29	16.49	<=23	Pass		
3625	1			0	21.42	-4.29	17.13	<=23	Pass	
				25	21.44	-4.29	17.15	<=23	Pass	
			49	21.56	-4.29	17.27	<=23	Pass		
	25		0	20.86	-4.29	16.57	<=23	Pass		
			13	20.88	-4.29	16.59	<=23	Pass		
			25	20.88	-4.29	16.59	<=23	Pass		
	50		0	20.84	-4.29	16.55	<=23	Pass		
	3695		1	0	21.43	-4.29	17.14	<=23	Pass	
				25	21.42	-4.29	17.13	<=23	Pass	
49				21.51	-4.29	17.22	<=23	Pass		
25			0	20.85	-4.29	16.56	<=23	Pass		
			13	20.90	-4.29	16.61	<=23	Pass		
			25	20.90	-4.29	16.61	<=23	Pass		
50			0	20.86	-4.29	16.57	<=23	Pass		
256QAM			3555	1	0	18.75	-4.29	14.46	<=23	Pass
					25	18.73	-4.29	14.44	<=23	Pass
	49				18.71	-4.29	14.42	<=23	Pass	
	25	0		18.71	-4.29	14.42	<=23	Pass		
		13		18.59	-4.29	14.30	<=23	Pass		
		25		18.44	-4.29	14.15	<=23	Pass		
	50	0		18.65	-4.29	14.36	<=23	Pass		
	3625	1		0	18.82	-4.29	14.53	<=23	Pass	
				25	18.82	-4.29	14.53	<=23	Pass	
			49	18.83	-4.29	14.54	<=23	Pass		
	25	0	18.76	-4.29	14.47	<=23	Pass			

			13	18.73	-4.29	14.44	<=23	Pass
			25	18.81	-4.29	14.52	<=23	Pass
		50	0	18.76	-4.29	14.47	<=23	Pass
	3695	1	0	18.77	-4.29	14.48	<=23	Pass
			25	18.83	-4.29	14.54	<=23	Pass
			49	18.90	-4.29	14.61	<=23	Pass
		25	0	18.81	-4.29	14.52	<=23	Pass
			13	18.75	-4.29	14.46	<=23	Pass
			25	18.92	-4.29	14.63	<=23	Pass
		50	0	18.78	-4.29	14.49	<=23	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 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	23.47	-4.29	19.18	<=23	Pass
			38	23.58	-4.29	19.29	<=23	Pass
			74	23.58	-4.29	19.29	<=23	Pass
		36	0	22.48	-4.29	18.19	<=23	Pass
			18	22.49	-4.29	18.20	<=23	Pass
			39	22.52	-4.29	18.23	<=23	Pass
		75	0	22.52	-4.29	18.23	<=23	Pass
	3625	1	0	23.46	-4.29	19.17	<=23	Pass
			38	23.56	-4.29	19.27	<=23	Pass
			74	23.70	-4.29	19.41	<=23	Pass
		36	0	22.45	-4.29	18.16	<=23	Pass
			18	22.51	-4.29	18.22	<=23	Pass
			39	22.54	-4.29	18.25	<=23	Pass
		75	0	22.52	-4.29	18.23	<=23	Pass
	3692.5	1	0	23.46	-4.29	19.17	<=23	Pass
			38	23.54	-4.29	19.25	<=23	Pass
			74	23.64	-4.29	19.35	<=23	Pass
		36	0	22.43	-4.29	18.14	<=23	Pass
			18	22.52	-4.29	18.23	<=23	Pass
			39	22.51	-4.29	18.22	<=23	Pass
		75	0	22.51	-4.29	18.22	<=23	Pass
16QAM	3557.5	1	0	22.65	-4.29	18.36	<=23	Pass
			38	22.75	-4.29	18.46	<=23	Pass
			74	22.78	-4.29	18.49	<=23	Pass
		36	0	21.48	-4.29	17.19	<=23	Pass
			18	21.48	-4.29	17.19	<=23	Pass
			39	21.55	-4.29	17.26	<=23	Pass
		75	0	21.51	-4.29	17.22	<=23	Pass
	3625	1	0	22.65	-4.29	18.36	<=23	Pass
			38	22.75	-4.29	18.46	<=23	Pass
			74	22.83	-4.29	18.54	<=23	Pass
		36	0	21.44	-4.29	17.15	<=23	Pass
			18	21.49	-4.29	17.20	<=23	Pass
			39	21.49	-4.29	17.20	<=23	Pass
		75	0	21.51	-4.29	17.22	<=23	Pass
	3692.5	1	0	22.54	-4.29	18.25	<=23	Pass
			38	22.60	-4.29	18.31	<=23	Pass
			74	22.58	-4.29	18.29	<=23	Pass
		36	0	21.43	-4.29	17.14	<=23	Pass
			18	21.48	-4.29	17.19	<=23	Pass

			39	21.48	-4.29	17.19	<=23	Pass	
		75	0	21.52	-4.29	17.23	<=23	Pass	
64QAM	3557.5	1	0	21.37	-4.29	17.08	<=23	Pass	
			38	21.45	-4.29	17.16	<=23	Pass	
			74	21.44	-4.29	17.15	<=23	Pass	
			0	20.76	-4.29	16.47	<=23	Pass	
		36	18	20.73	-4.29	16.44	<=23	Pass	
			39	20.75	-4.29	16.46	<=23	Pass	
			75	0	20.81	-4.29	16.52	<=23	Pass
		3625	1	0	21.36	-4.29	17.07	<=23	Pass
				38	21.42	-4.29	17.13	<=23	Pass
				74	21.56	-4.29	17.27	<=23	Pass
	0			20.77	-4.29	16.48	<=23	Pass	
	36		18	20.80	-4.29	16.51	<=23	Pass	
			39	20.84	-4.29	16.55	<=23	Pass	
			75	0	20.83	-4.29	16.54	<=23	Pass
	3692.5		1	0	21.34	-4.29	17.05	<=23	Pass
		38		21.42	-4.29	17.13	<=23	Pass	
		74		21.52	-4.29	17.23	<=23	Pass	
		0		20.81	-4.29	16.52	<=23	Pass	
		36	18	20.83	-4.29	16.54	<=23	Pass	
			39	20.87	-4.29	16.58	<=23	Pass	
			75	0	20.88	-4.29	16.59	<=23	Pass
			256QAM	3557.5	1	0	18.73	-4.29	14.44
38	18.75	-4.29				14.46	<=23	Pass	
74	18.75	-4.29				14.46	<=23	Pass	
36	0	18.75			-4.29	14.46	<=23	Pass	
	18	18.71			-4.29	14.42	<=23	Pass	
	39	18.72			-4.29	14.43	<=23	Pass	
75	0	18.76			-4.29	14.47	<=23	Pass	
3625	1	0		18.72	-4.29	14.43	<=23	Pass	
		38		18.80	-4.29	14.51	<=23	Pass	
		74		18.84	-4.29	14.55	<=23	Pass	
	36	0		18.79	-4.29	14.50	<=23	Pass	
		18		18.82	-4.29	14.53	<=23	Pass	
		39		18.82	-4.29	14.53	<=23	Pass	
75	0	18.80		-4.29	14.51	<=23	Pass		
3692.5	1	0		18.72	-4.29	14.43	<=23	Pass	
		38		18.77	-4.29	14.48	<=23	Pass	
		74		18.89	-4.29	14.60	<=23	Pass	
	36	0		18.79	-4.29	14.50	<=23	Pass	
		18	18.83	-4.29	14.54	<=23	Pass		
		39	18.85	-4.29	14.56	<=23	Pass		
	75	0	18.85	-4.29	14.56	<=23	Pass		
Note1: EIRP=Conducted Power+Antenna Gain									

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B48_20MHz_EIRP

Band: 48 / Bandwidth: 20MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3560	1	0	23.47	-4.29	19.18	<=23	Pass
			50	23.53	-4.29	19.24	<=23	Pass
			99	23.56	-4.29	19.27	<=23	Pass
		50	0	22.54	-4.29	18.25	<=23	Pass
			25	22.56	-4.29	18.27	<=23	Pass
			50	22.58	-4.29	18.29	<=23	Pass

		100	0	22.56	-4.29	18.27	<=23	Pass	
	3625	1	0	23.41	-4.29	19.12	<=23	Pass	
			50	23.55	-4.29	19.26	<=23	Pass	
			99	23.68	-4.29	19.39	<=23	Pass	
			0	22.52	-4.29	18.23	<=23	Pass	
		50	25	22.56	-4.29	18.27	<=23	Pass	
			50	22.57	-4.29	18.28	<=23	Pass	
	100	0	22.57	-4.29	18.28	<=23	Pass		
	3690	1	0	23.48	-4.29	19.19	<=23	Pass	
			50	23.56	-4.29	19.27	<=23	Pass	
			99	23.66	-4.29	19.37	<=23	Pass	
		50	0	22.53	-4.29	18.24	<=23	Pass	
			25	22.53	-4.29	18.24	<=23	Pass	
			50	22.59	-4.29	18.30	<=23	Pass	
		100	0	22.54	-4.29	18.25	<=23	Pass	
		16QAM	3560	1	0	22.73	-4.29	18.44	<=23
50	22.80				-4.29	18.51	<=23	Pass	
99	22.81				-4.29	18.52	<=23	Pass	
50	0			21.17	-4.29	16.88	<=23	Pass	
	25			21.38	-4.29	17.09	<=23	Pass	
	50			21.40	-4.29	17.11	<=23	Pass	
100	0			21.54	-4.29	17.25	<=23	Pass	
3625	1		0	22.68	-4.29	18.39	<=23	Pass	
			50	22.76	-4.29	18.47	<=23	Pass	
			99	22.91	-4.29	18.62	<=23	Pass	
	50		0	21.13	-4.29	16.84	<=23	Pass	
			25	21.06	-4.29	16.77	<=23	Pass	
			50	21.23	-4.29	16.94	<=23	Pass	
	100		0	21.57	-4.29	17.28	<=23	Pass	
3690	1		0	22.33	-4.29	18.04	<=23	Pass	
			50	22.61	-4.29	18.32	<=23	Pass	
			99	22.49	-4.29	18.20	<=23	Pass	
	50		0	21.49	-4.29	17.20	<=23	Pass	
			25	21.23	-4.29	16.94	<=23	Pass	
			50	21.57	-4.29	17.28	<=23	Pass	
	100		0	21.55	-4.29	17.26	<=23	Pass	
64QAM	3560		1	0	21.40	-4.29	17.11	<=23	Pass
				50	21.41	-4.29	17.12	<=23	Pass
				99	21.48	-4.29	17.19	<=23	Pass
		50	0	20.79	-4.29	16.50	<=23	Pass	
			25	20.81	-4.29	16.52	<=23	Pass	
			50	20.82	-4.29	16.53	<=23	Pass	
		100	0	20.85	-4.29	16.56	<=23	Pass	
	3625	1	0	21.41	-4.29	17.12	<=23	Pass	
			50	21.46	-4.29	17.17	<=23	Pass	
			99	21.63	-4.29	17.34	<=23	Pass	
		50	0	20.84	-4.29	16.55	<=23	Pass	
			25	20.86	-4.29	16.57	<=23	Pass	
			50	20.92	-4.29	16.63	<=23	Pass	
		100	0	20.84	-4.29	16.55	<=23	Pass	
	3690	1	0	21.39	-4.29	17.10	<=23	Pass	
			50	21.42	-4.29	17.13	<=23	Pass	
			99	21.56	-4.29	17.27	<=23	Pass	
		50	0	20.84	-4.29	16.55	<=23	Pass	
			25	20.87	-4.29	16.58	<=23	Pass	
			50	20.96	-4.29	16.67	<=23	Pass	
		100	0	20.90	-4.29	16.61	<=23	Pass	
	256QAM	3560	1	0	18.76	-4.29	14.47	<=23	Pass
				50	18.69	-4.29	14.40	<=23	Pass

		50	99	18.81	-4.29	14.52	<=23	Pass
			0	18.53	-4.29	14.24	<=23	Pass
			25	18.72	-4.29	14.43	<=23	Pass
			50	18.64	-4.29	14.35	<=23	Pass
		100	0	18.68	-4.29	14.39	<=23	Pass
	3625	1	0	18.68	-4.29	14.39	<=23	Pass
			50	18.83	-4.29	14.54	<=23	Pass
			99	18.84	-4.29	14.55	<=23	Pass
		50	0	18.74	-4.29	14.45	<=23	Pass
			25	18.93	-4.29	14.64	<=23	Pass
			50	18.84	-4.29	14.55	<=23	Pass
		100	0	18.79	-4.29	14.50	<=23	Pass
	3690	1	0	18.66	-4.29	14.37	<=23	Pass
			50	18.78	-4.29	14.49	<=23	Pass
			99	18.90	-4.29	14.61	<=23	Pass
		50	0	18.85	-4.29	14.56	<=23	Pass
			25	18.89	-4.29	14.60	<=23	Pass
			50	18.97	-4.29	14.68	<=23	Pass
		100	0	18.85	-4.29	14.56	<=23	Pass

Note1: EIRP=Conducted Power+Antenna Gain

Remark : Total channel power is complied with EIRP limit 23dBm/10MHz.

2. Frequency Stability

2.1 Test Result

2.1.1 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	3625	25	0	20	3.27	-6.398	-0.0018	-2.5 to 2.5	Pass
					3.85	5.334	0.0015	-2.5 to 2.5	Pass
					4.43	-2.083	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.952	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	3.901	0.0011	-2.5 to 2.5	Pass
				-10	3.85	0.896	0.0002	-2.5 to 2.5	Pass
				0	3.85	-6.504	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-1.603	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-3.186	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-1.678	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.082	0.0000	-2.5 to 2.5	Pass

2.1.2 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	3625	50	0	20	3.27	-4.113	-0.0011	-2.5 to 2.5	Pass
					3.85	2.846	0.0008	-2.5 to 2.5	Pass
					4.43	-2.216	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.886	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.154	0.0000	-2.5 to 2.5	Pass

				-10	3.85	-0.267	-0.0001	-2.5 to 2.5	Pass
				0	3.85	0.372	0.0001	-2.5 to 2.5	Pass
				10	3.85	-4.962	-0.0014	-2.5 to 2.5	Pass
				30	3.85	4.844	0.0013	-2.5 to 2.5	Pass
				40	3.85	1.687	0.0005	-2.5 to 2.5	Pass
				50	3.85	4.228	0.0012	-2.5 to 2.5	Pass

2.1.3 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	3625	75	0	20	3.27	-6.576	-0.0018	-2.5 to 2.5	Pass
					3.85	-0.410	-0.0001	-2.5 to 2.5	Pass
					4.43	-5.641	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	1.637	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-2.185	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	1.157	0.0003	-2.5 to 2.5	Pass
				0	3.85	4.473	0.0012	-2.5 to 2.5	Pass
				10	3.85	2.269	0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.130	0.0000	-2.5 to 2.5	Pass
				40	3.85	-2.768	-0.0008	-2.5 to 2.5	Pass
				50	3.85	0.573	0.0002	-2.5 to 2.5	Pass

2.1.4 B48_20MHz

Band: 48 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3625	100	0	20	3.27	-2.473	-0.0007	-2.5 to 2.5	Pass
					3.85	-5.740	-0.0016	-2.5 to 2.5	Pass
					4.43	2.089	0.0006	-2.5 to 2.5	Pass
				-30	3.85	3.854	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-3.525	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	1.443	0.0004	-2.5 to 2.5	Pass
				0	3.85	-2.907	-0.0008	-2.5 to 2.5	Pass
				10	3.85	1.182	0.0003	-2.5 to 2.5	Pass
				30	3.85	3.156	0.0009	-2.5 to 2.5	Pass
				40	3.85	6.813	0.0019	-2.5 to 2.5	Pass
				50	3.85	1.775	0.0005	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 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	4.520	/	Pass
		3625	25	0	4.509	/	Pass
		3697.5	25	0	4.519	/	Pass

	16QAM	3552.5	25	0	4.501	/	Pass
		3625	25	0	4.505	/	Pass
		3697.5	25	0	4.519	/	Pass
	64QAM	3552.5	25	0	4.522	/	Pass
		3625	25	0	4.511	/	Pass
		3697.5	25	0	4.525	/	Pass
	256QAM	3552.5	25	0	4.521	/	Pass
		3625	25	0	4.534	/	Pass
		3697.5	25	0	4.508	/	Pass
10	QPSK	3555	50	0	9.017	/	Pass
		3625	50	0	9.003	/	Pass
		3695	50	0	9.001	/	Pass
	16QAM	3555	50	0	9.012	/	Pass
		3625	50	0	9.031	/	Pass
		3695	50	0	9.015	/	Pass
	64QAM	3555	50	0	9.012	/	Pass
		3625	50	0	9.022	/	Pass
		3695	50	0	9.013	/	Pass
	256QAM	3555	50	0	9.020	/	Pass
		3625	50	0	9.020	/	Pass
		3695	50	0	9.048	/	Pass
15	QPSK	3557.5	75	0	13.492	/	Pass
		3625	75	0	13.512	/	Pass
		3692.5	75	0	13.503	/	Pass
	16QAM	3557.5	75	0	13.490	/	Pass
		3625	75	0	13.481	/	Pass
		3692.5	75	0	13.483	/	Pass
	64QAM	3557.5	75	0	13.508	/	Pass
		3625	75	0	13.529	/	Pass
		3692.5	75	0	13.490	/	Pass
	256QAM	3557.5	75	0	13.505	/	Pass
		3625	75	0	13.490	/	Pass
		3692.5	75	0	13.475	/	Pass
20	QPSK	3560	100	0	18.029	/	Pass
		3625	100	0	18.049	/	Pass
		3690	100	0	18.104	/	Pass
	16QAM	3560	100	0	18.048	/	Pass
		3625	100	0	18.089	/	Pass
		3690	100	0	18.070	/	Pass
	64QAM	3560	100	0	18.034	/	Pass
		3625	100	0	18.071	/	Pass
		3690	100	0	18.097	/	Pass
	256QAM	3560	100	0	18.081	/	Pass
		3625	100	0	18.076	/	Pass
		3690	100	0	18.048	/	Pass

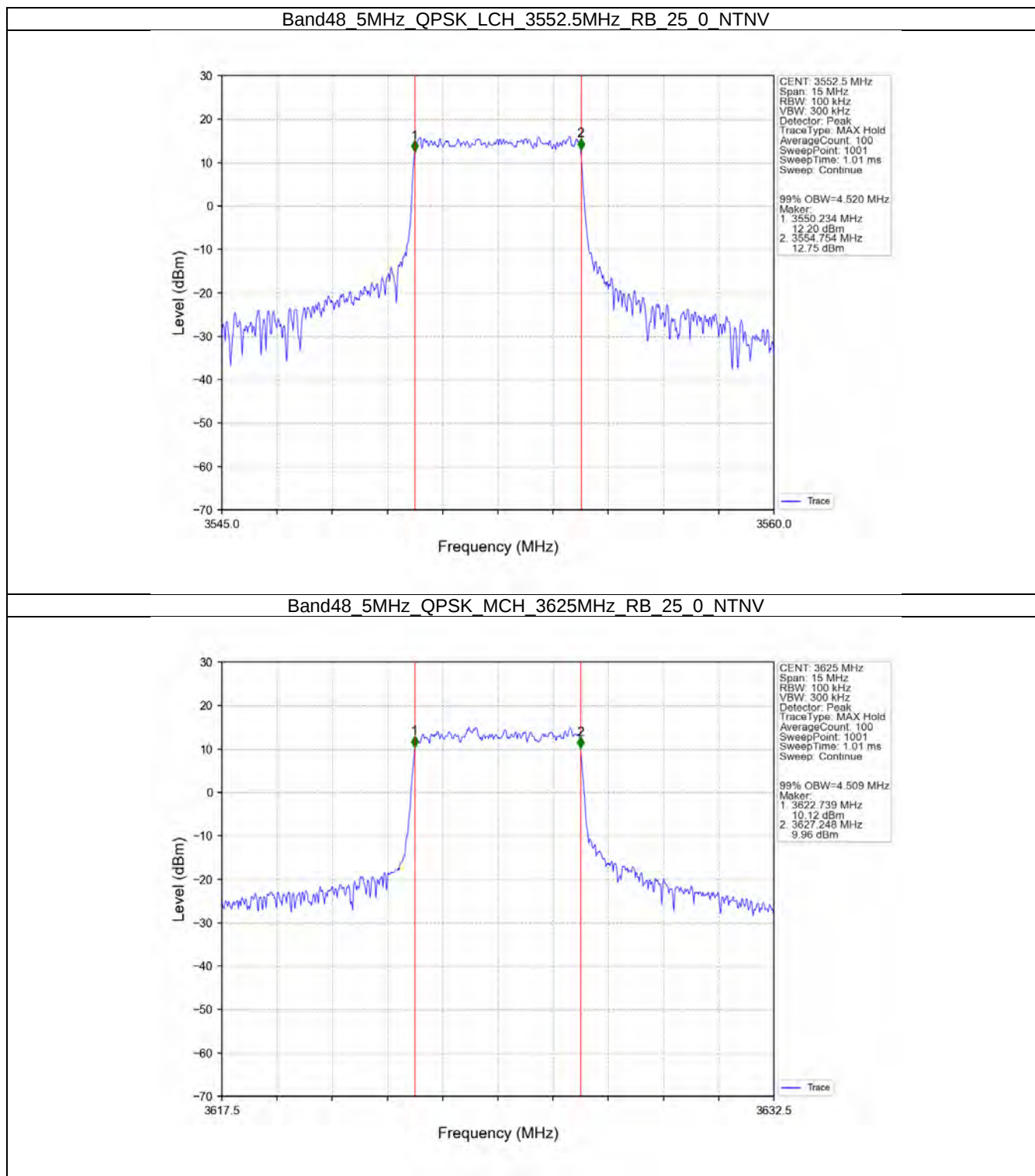
3.1.2 Band48_XDB

Band: 48 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3552.5	25	0	4.953	/	Pass
		3625	25	0	5.008	/	Pass
		3697.5	25	0	5.028	/	Pass
	16QAM	3552.5	25	0	4.956	/	Pass
		3625	25	0	4.989	/	Pass
		3697.5	25	0	5.104	/	Pass

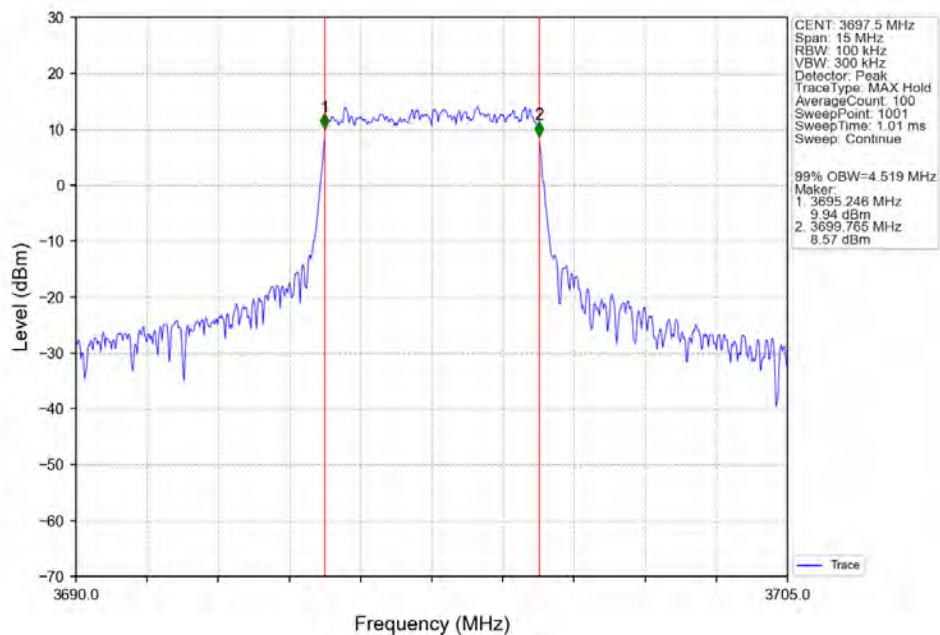
	64QAM	3552.5	25	0	5.095	/	Pass
		3625	25	0	4.937	/	Pass
		3697.5	25	0	5.154	/	Pass
	256QAM	3552.5	25	0	5.287	/	Pass
		3625	25	0	4.961	/	Pass
		3697.5	25	0	5.011	/	Pass
10	QPSK	3555	50	0	10.284	/	Pass
		3625	50	0	10.102	/	Pass
		3695	50	0	10.180	/	Pass
	16QAM	3555	50	0	10.300	/	Pass
		3625	50	0	10.322	/	Pass
		3695	50	0	10.179	/	Pass
	64QAM	3555	50	0	10.241	/	Pass
		3625	50	0	9.972	/	Pass
		3695	50	0	10.211	/	Pass
	256QAM	3555	50	0	9.866	/	Pass
		3625	50	0	10.149	/	Pass
		3695	50	0	10.101	/	Pass
15	QPSK	3557.5	75	0	14.908	/	Pass
		3625	75	0	14.987	/	Pass
		3692.5	75	0	14.838	/	Pass
	16QAM	3557.5	75	0	14.918	/	Pass
		3625	75	0	15.020	/	Pass
		3692.5	75	0	14.799	/	Pass
	64QAM	3557.5	75	0	14.901	/	Pass
		3625	75	0	14.810	/	Pass
		3692.5	75	0	14.933	/	Pass
	256QAM	3557.5	75	0	14.712	/	Pass
		3625	75	0	15.117	/	Pass
		3692.5	75	0	14.599	/	Pass
20	QPSK	3560	100	0	21.103	/	Pass
		3625	100	0	19.824	/	Pass
		3690	100	0	20.783	/	Pass
	16QAM	3560	100	0	21.307	/	Pass
		3625	100	0	20.959	/	Pass
		3690	100	0	21.917	/	Pass
	64QAM	3560	100	0	21.068	/	Pass
		3625	100	0	20.210	/	Pass
		3690	100	0	21.620	/	Pass
	256QAM	3560	100	0	20.832	/	Pass
		3625	100	0	20.231	/	Pass
		3690	100	0	21.947	/	Pass

3.2 Test Graph

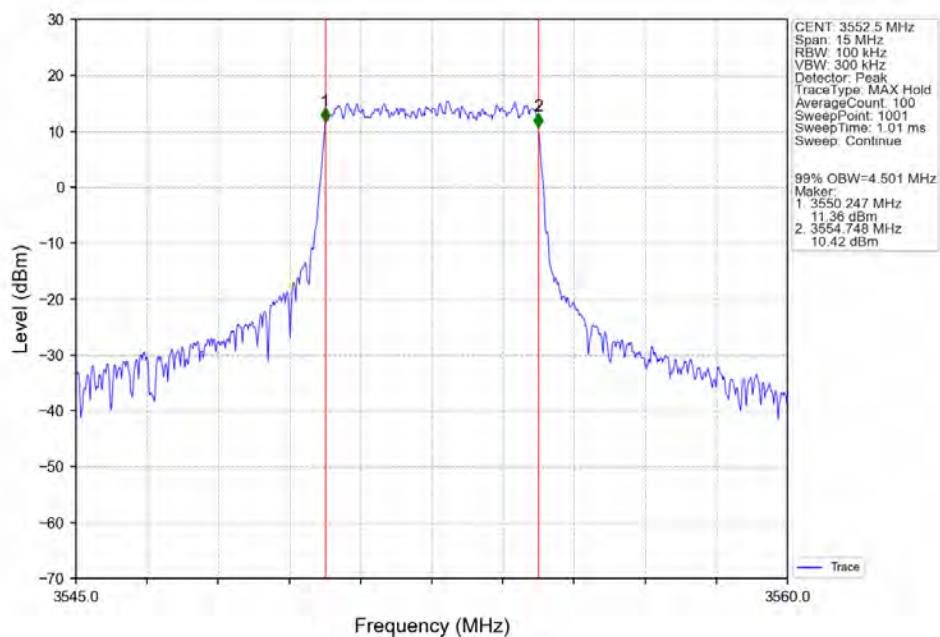
3.2.1 Band48_OBW



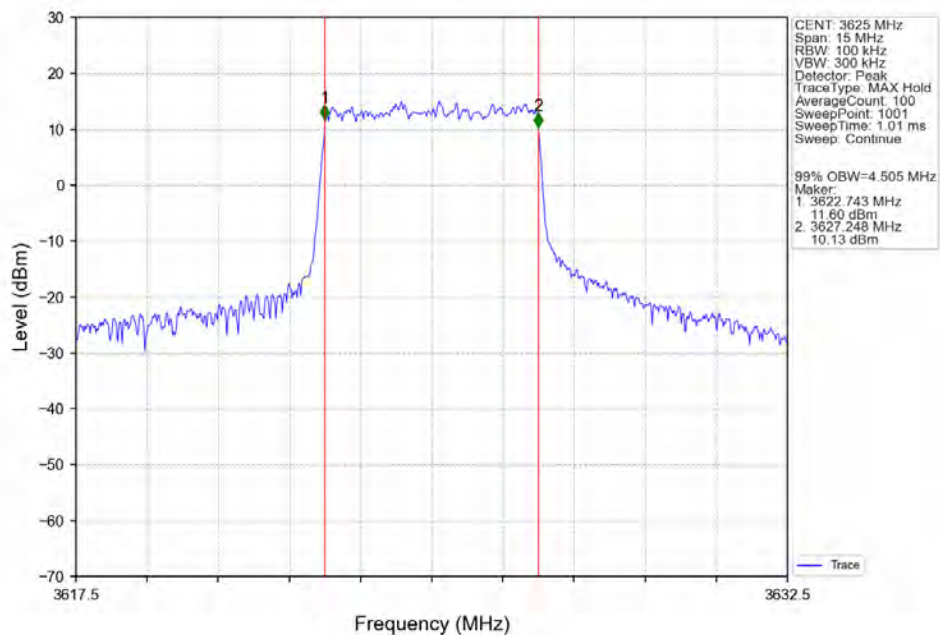
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



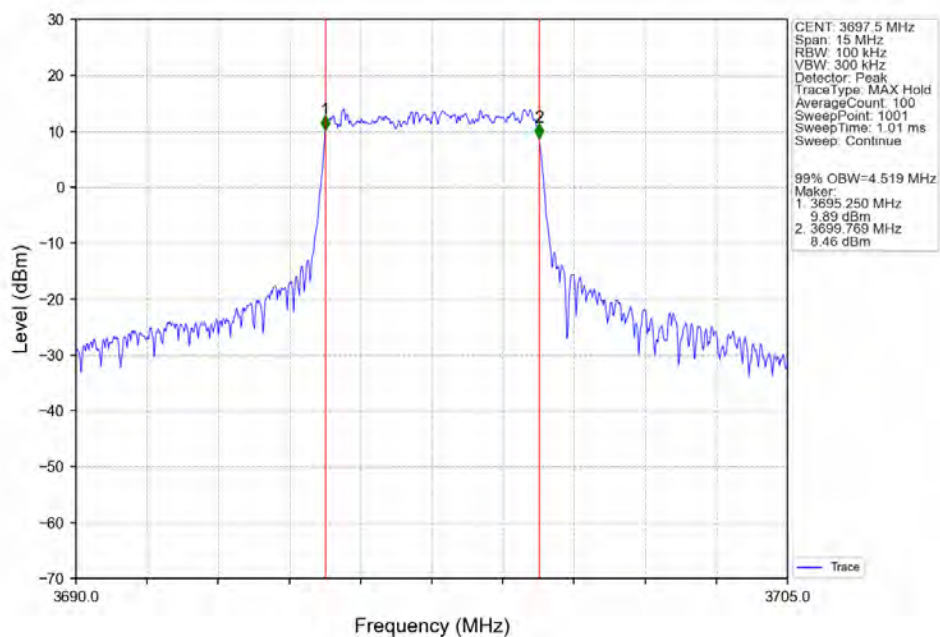
Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



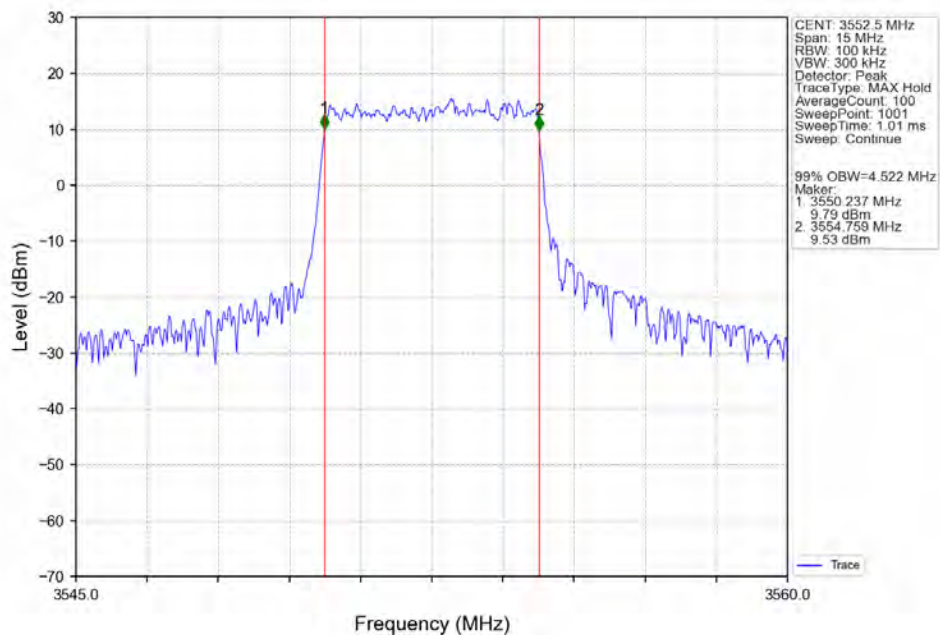
Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV



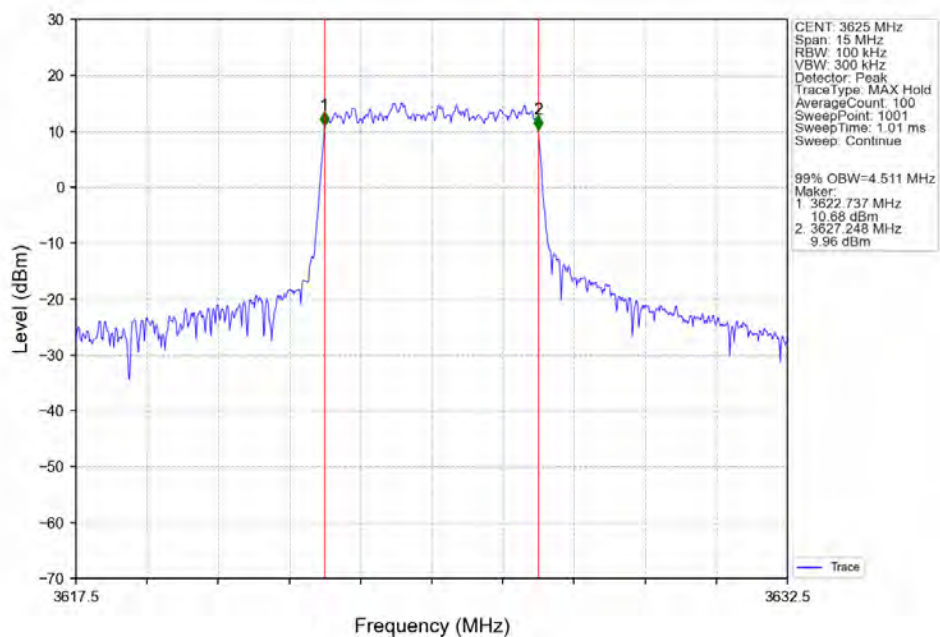
Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV



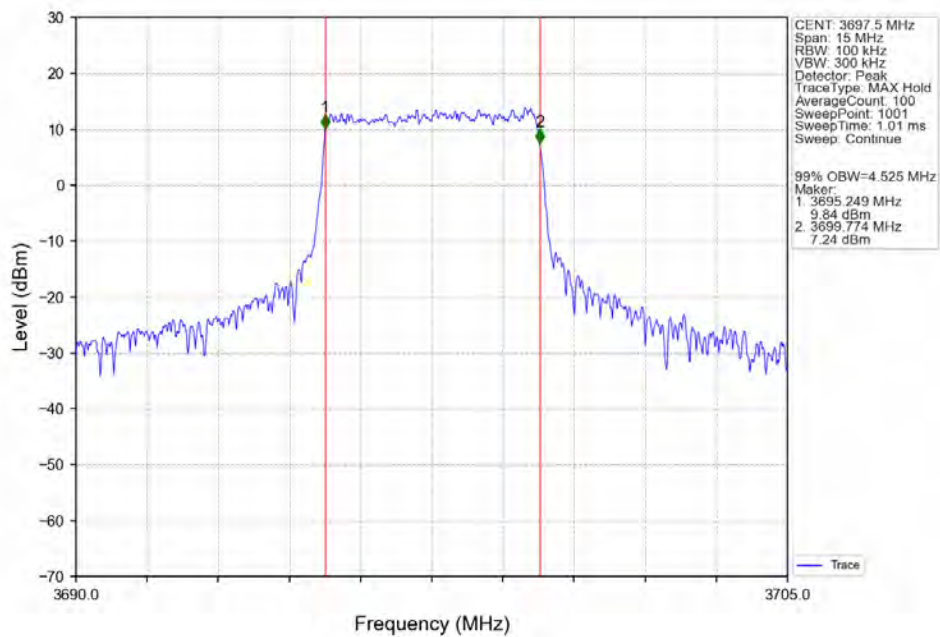
Band48 5MHz 64QAM LCH 3552.5MHz RB 25 0 NTNV



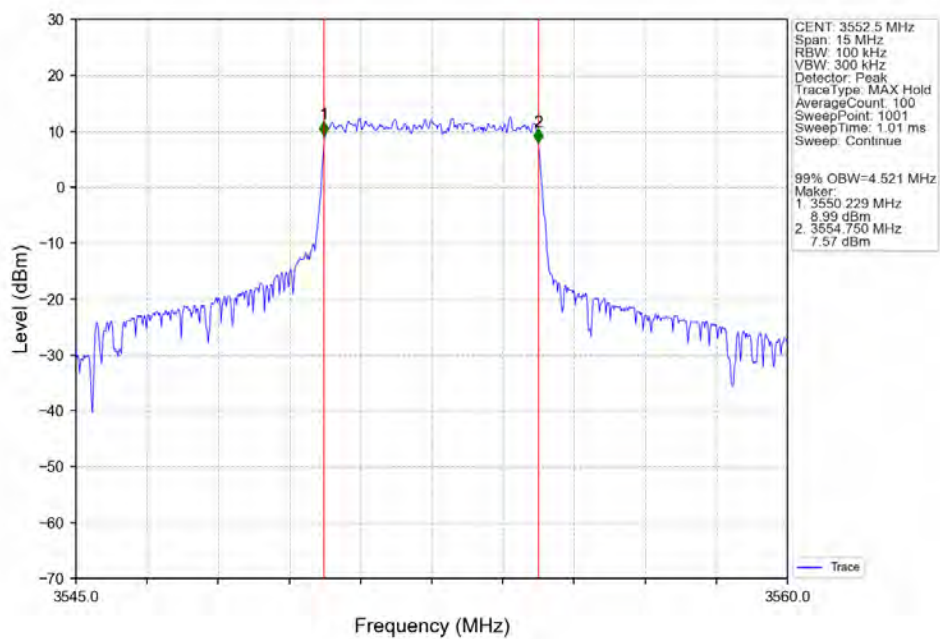
Band48 5MHz 64QAM MCH 3625MHz RB 25 0 NTNV



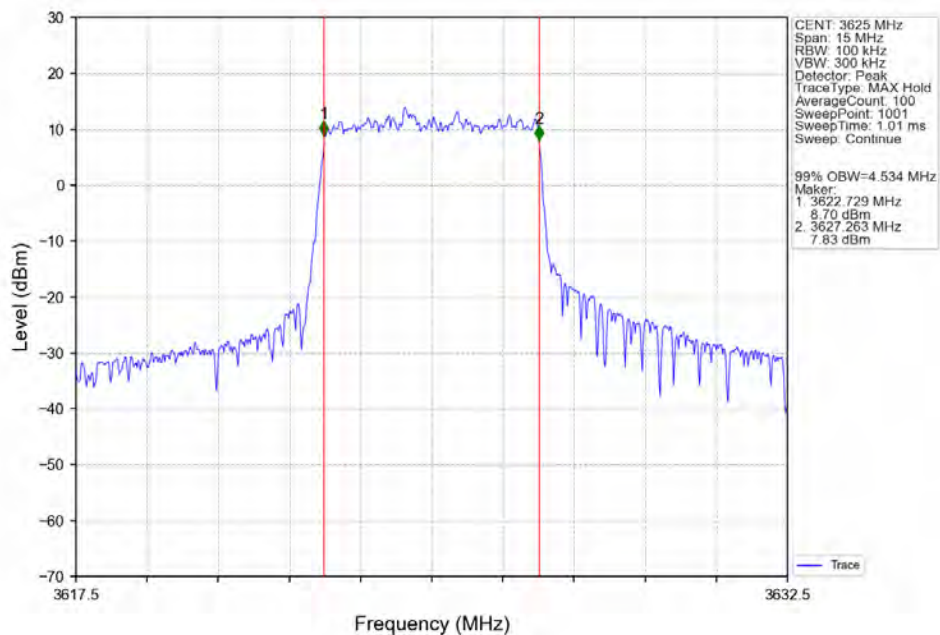
Band48_5MHz_64QAM_HCH_3697.5MHz_RB_25_0_NTNV



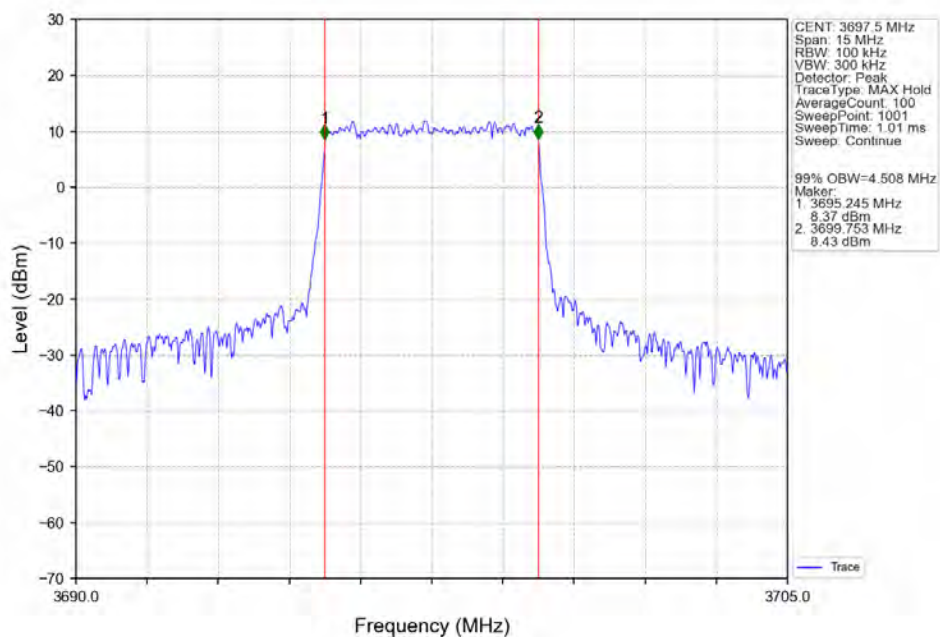
Band48_5MHz_256QAM_LCH_3552.5MHz_RB_25_0_NTNV



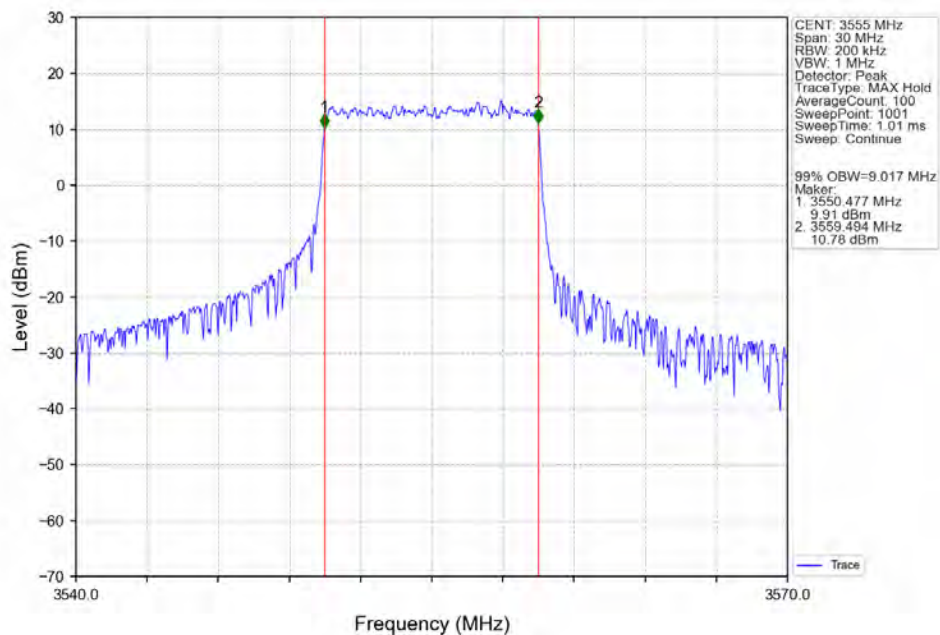
Band48 5MHz 256QAM MCH 3625MHz RB 25 0 NTNV



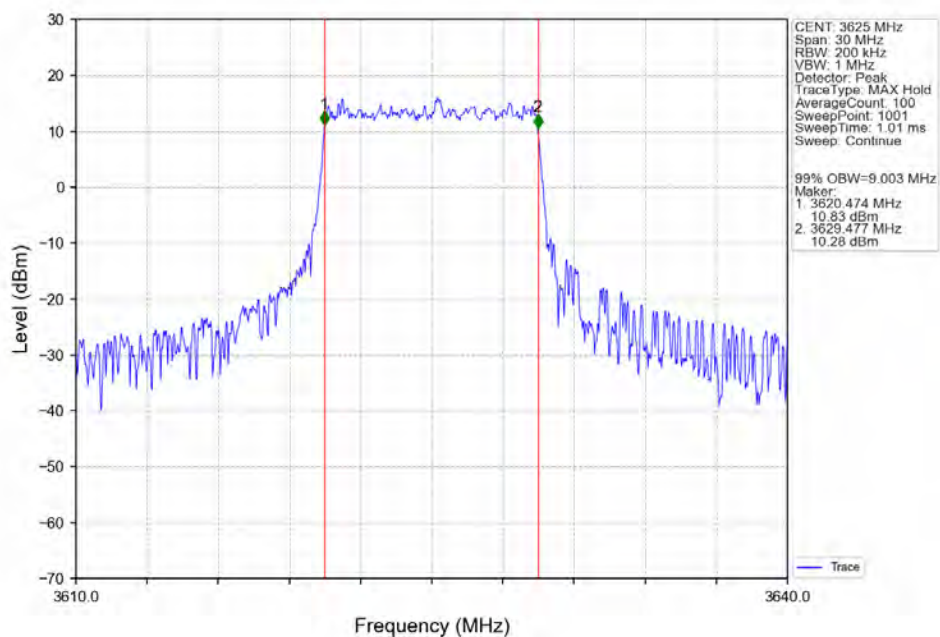
Band48 5MHz 256QAM HCH 3697.5MHz RB 25 0 NTNV



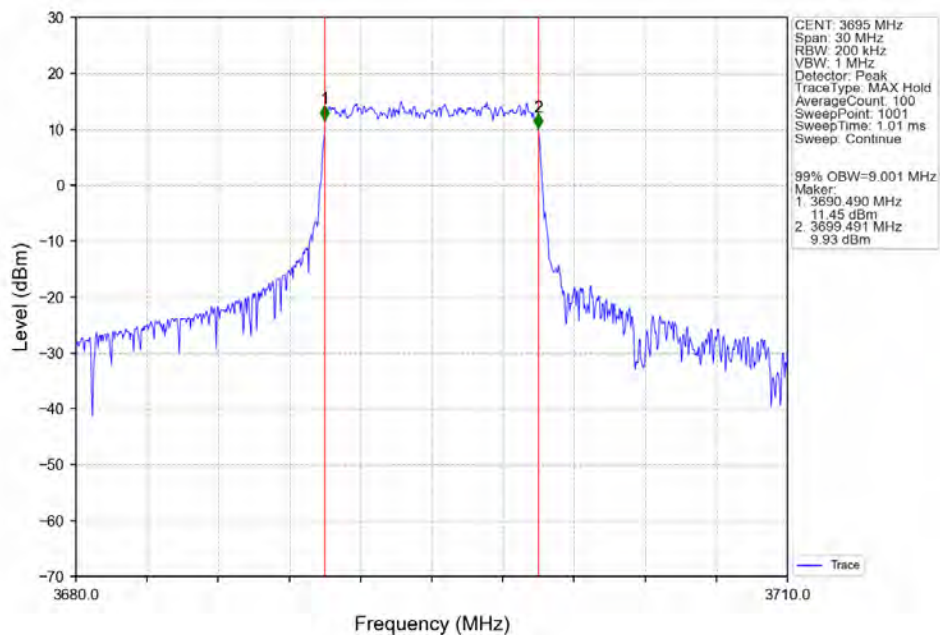
Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV



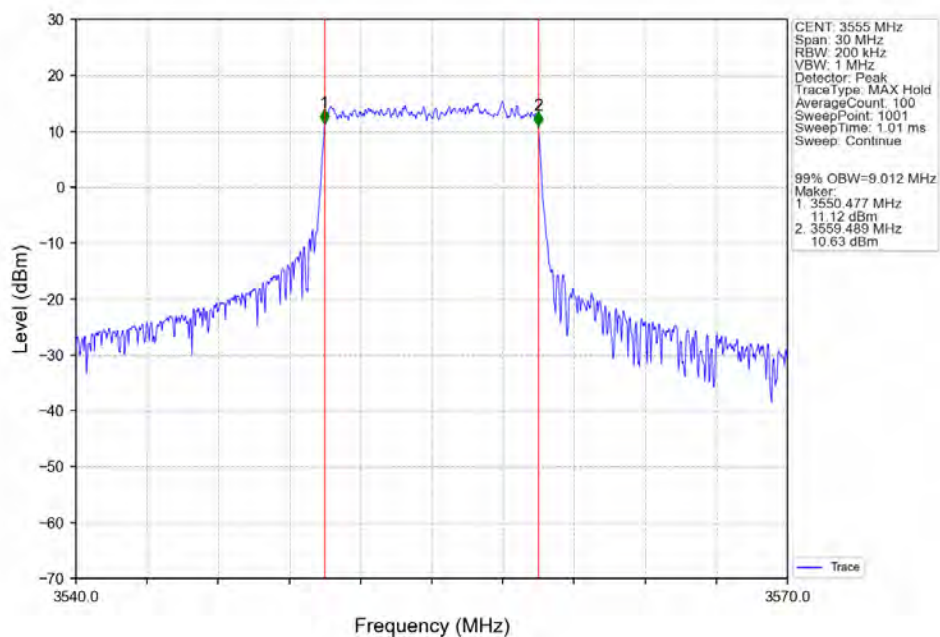
Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



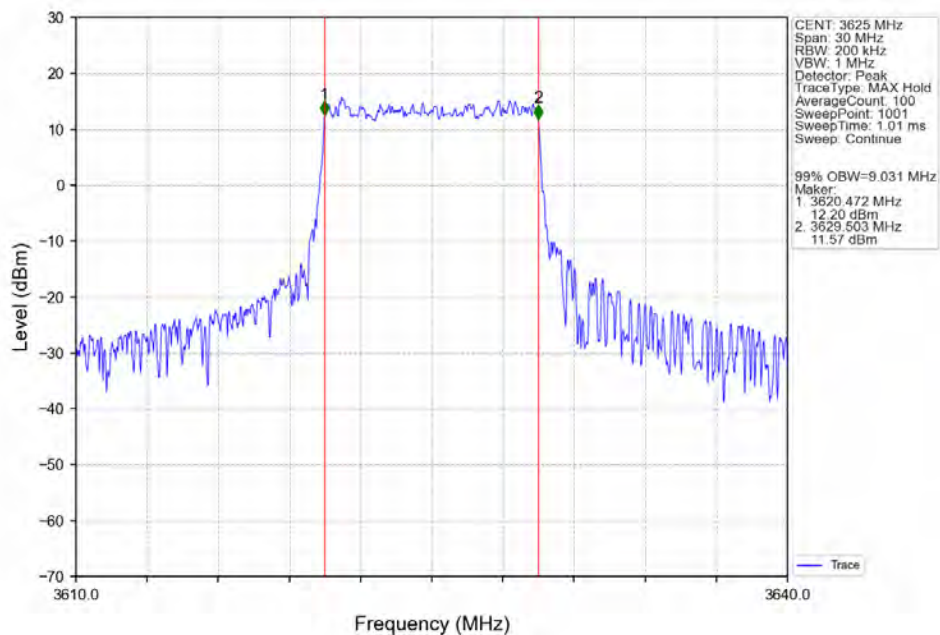
Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



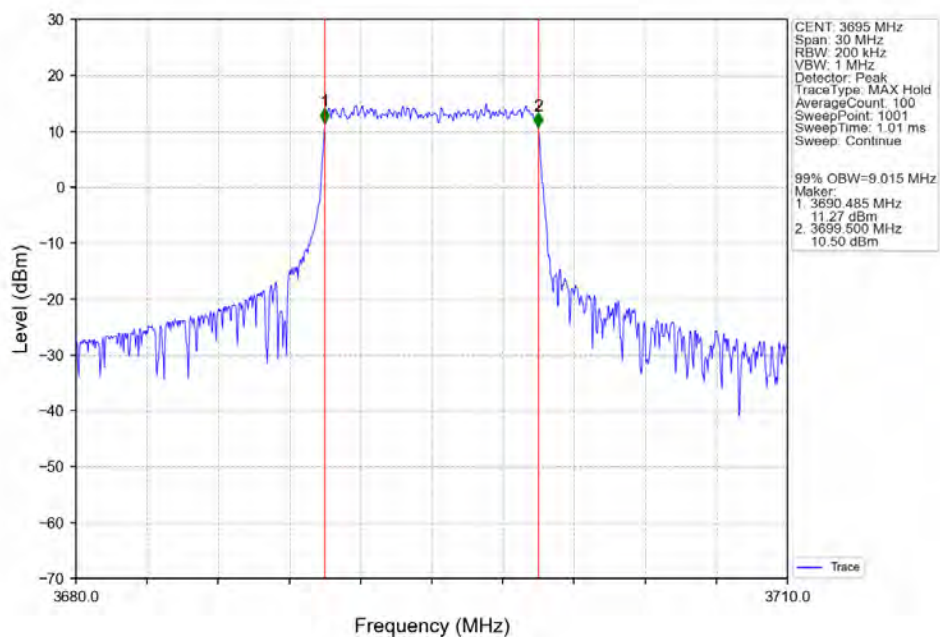
Band48_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV



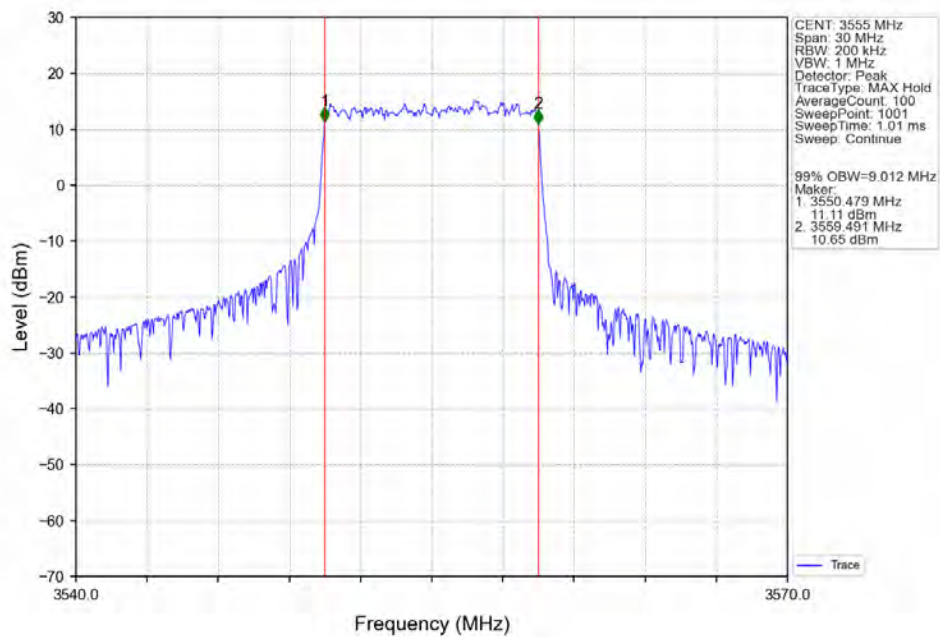
Band48 10MHz 16QAM MCH 3625MHz RB 50 0 NTNV



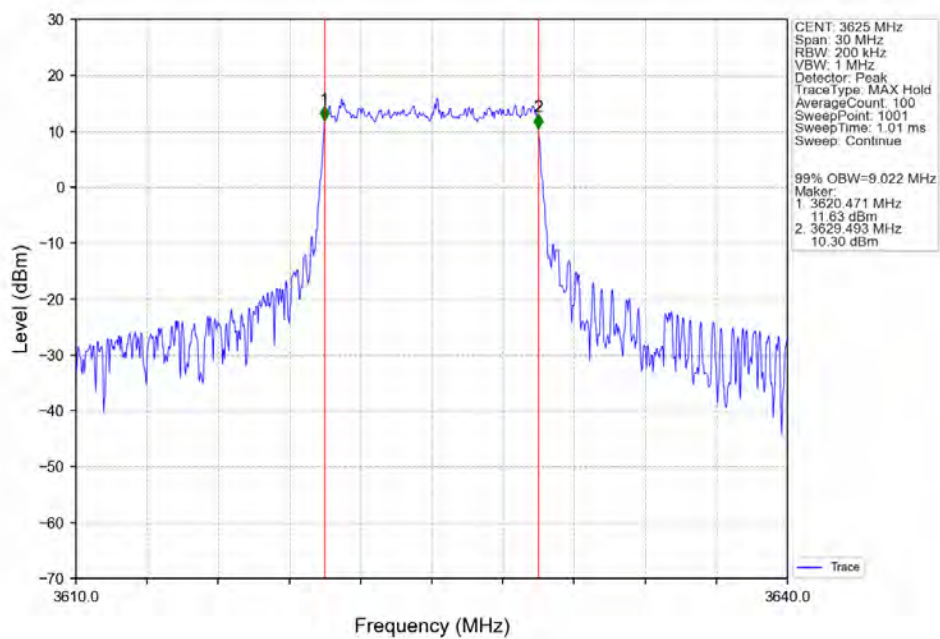
Band48 10MHz 16QAM HCH 3695MHz RB 50 0 NTNV



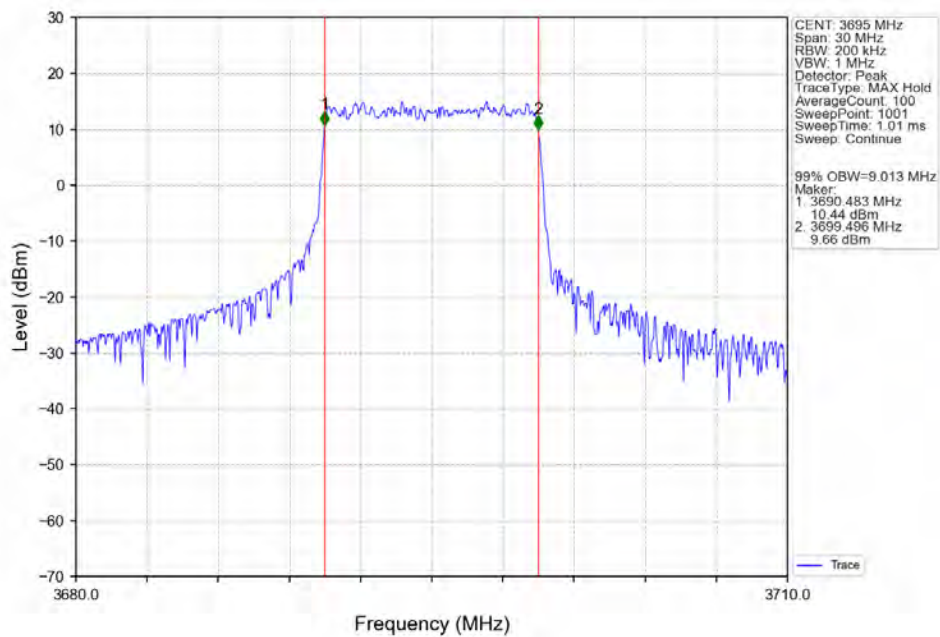
Band48_10MHz_64QAM_LCH_3555MHz_RB_50_0_NTNV



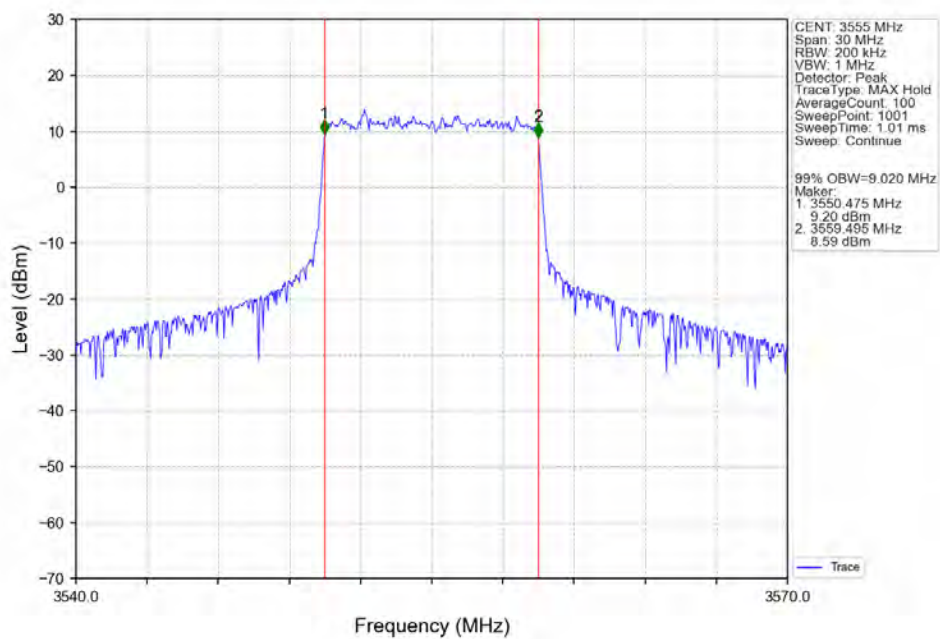
Band48_10MHz_64QAM_MCH_3625MHz_RB_50_0_NTNV



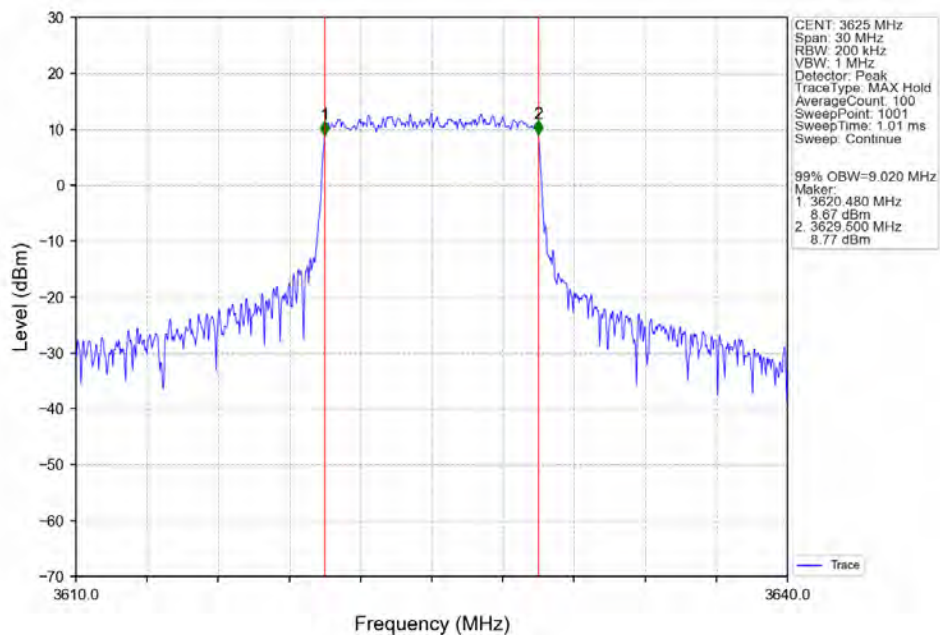
Band48_10MHz_64QAM_HCH_3695MHz_RB_50_0_NTNV



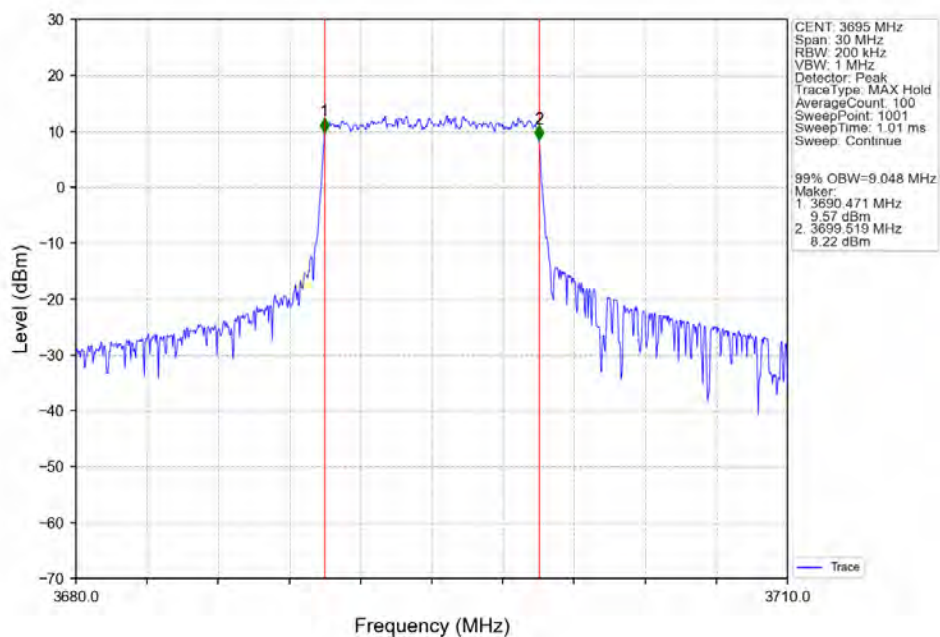
Band48_10MHz_256QAM_LCH_3555MHz_RB_50_0_NTNV



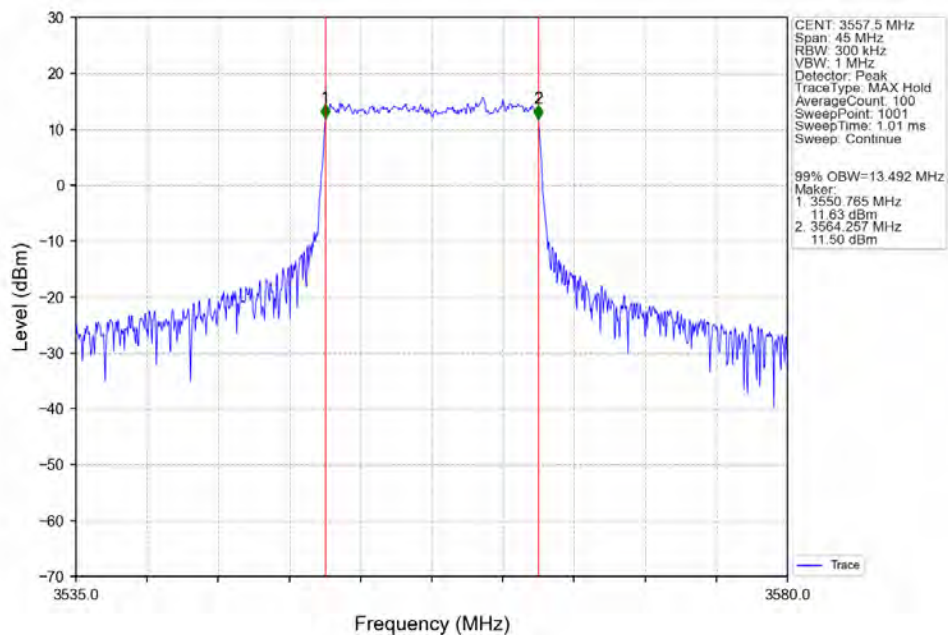
Band48_10MHz_256QAM_MCH_3625MHz_RB_50_0_NTNV



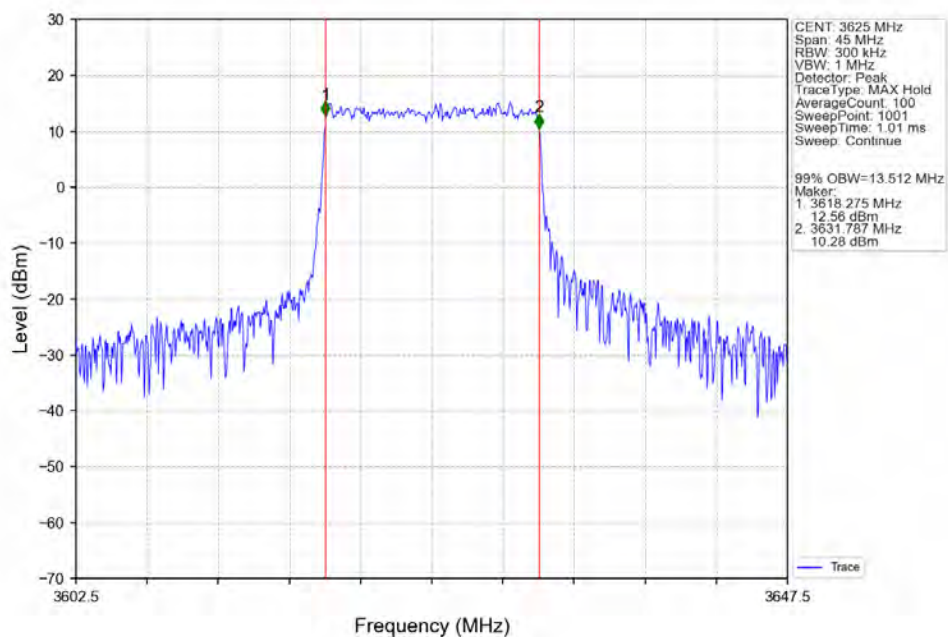
Band48_10MHz_256QAM_HCH_3695MHz_RB_50_0_NTNV



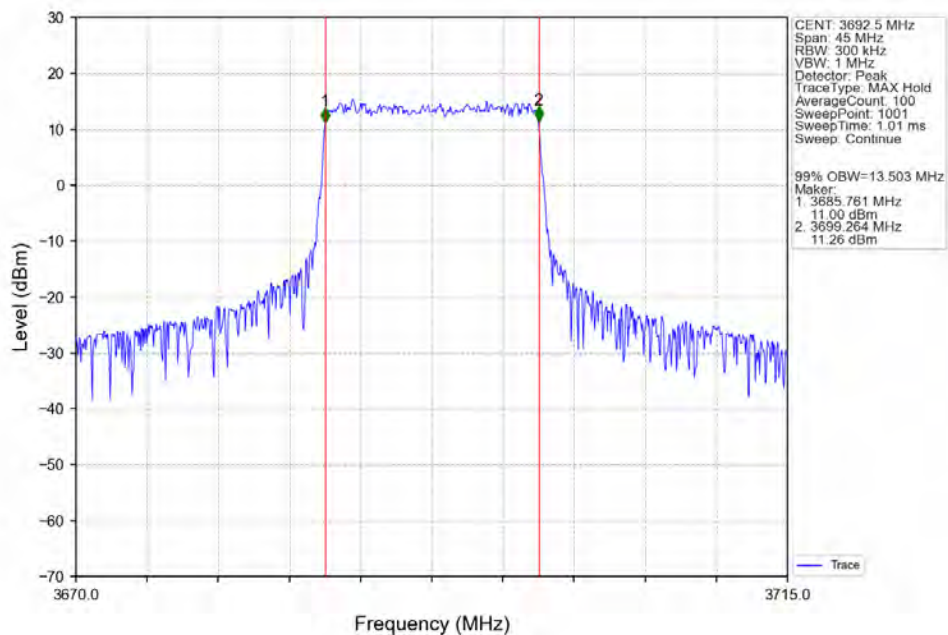
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV



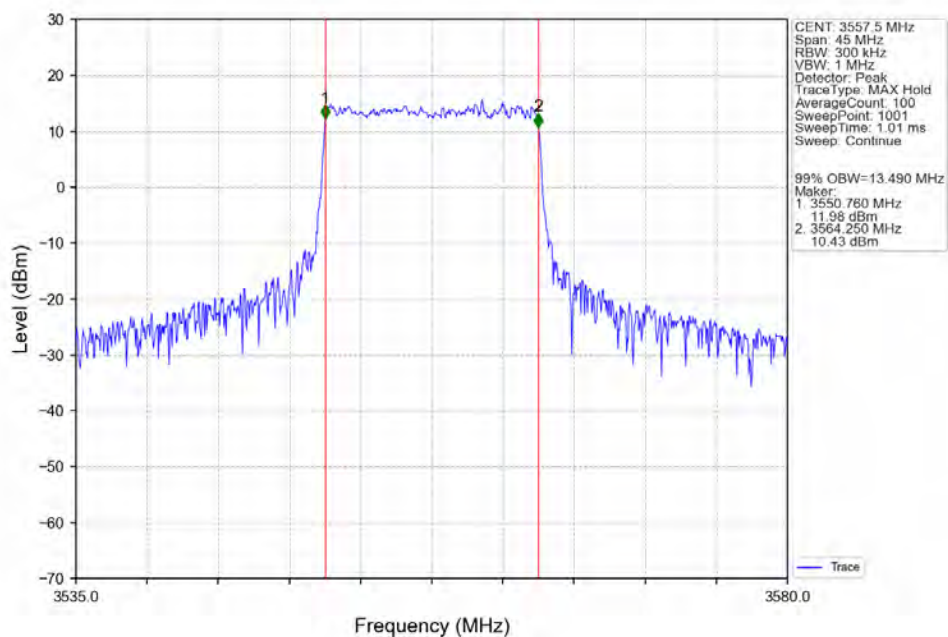
Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV



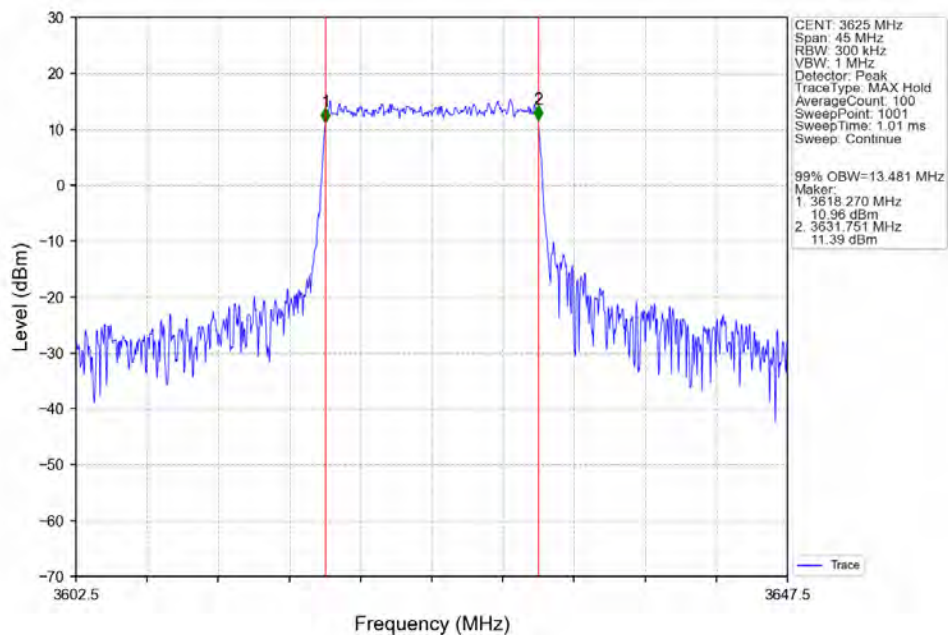
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



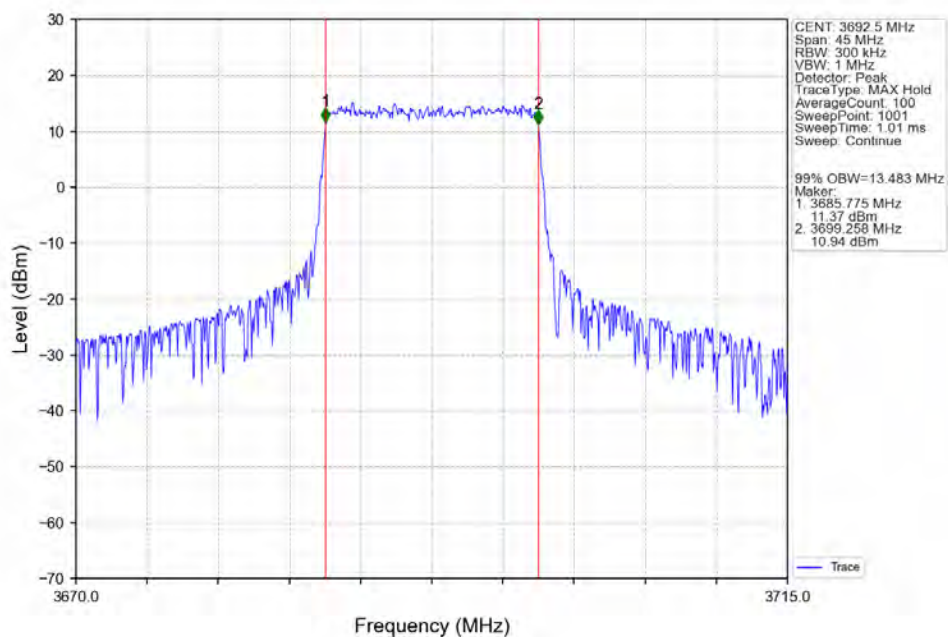
Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV



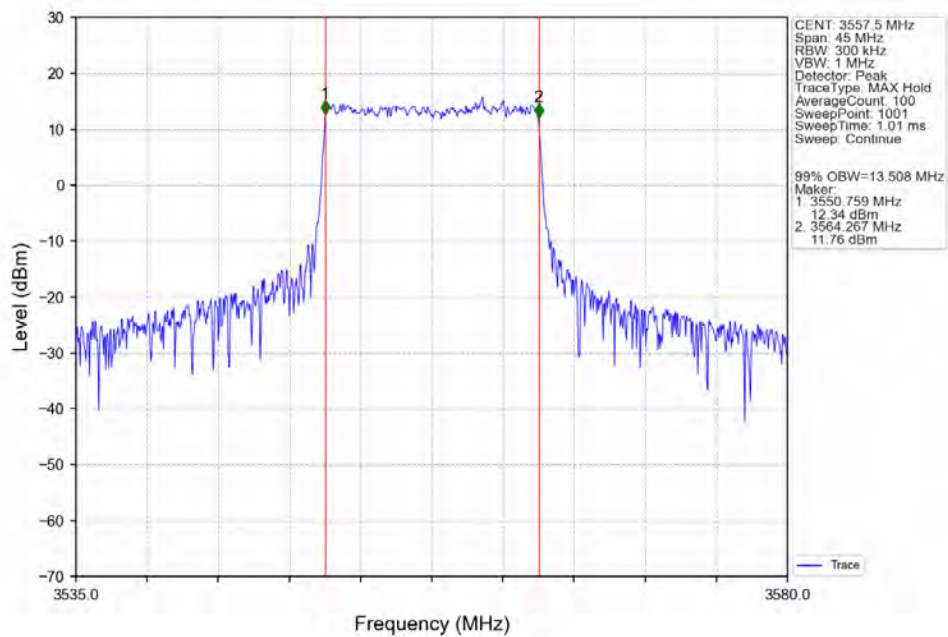
Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV



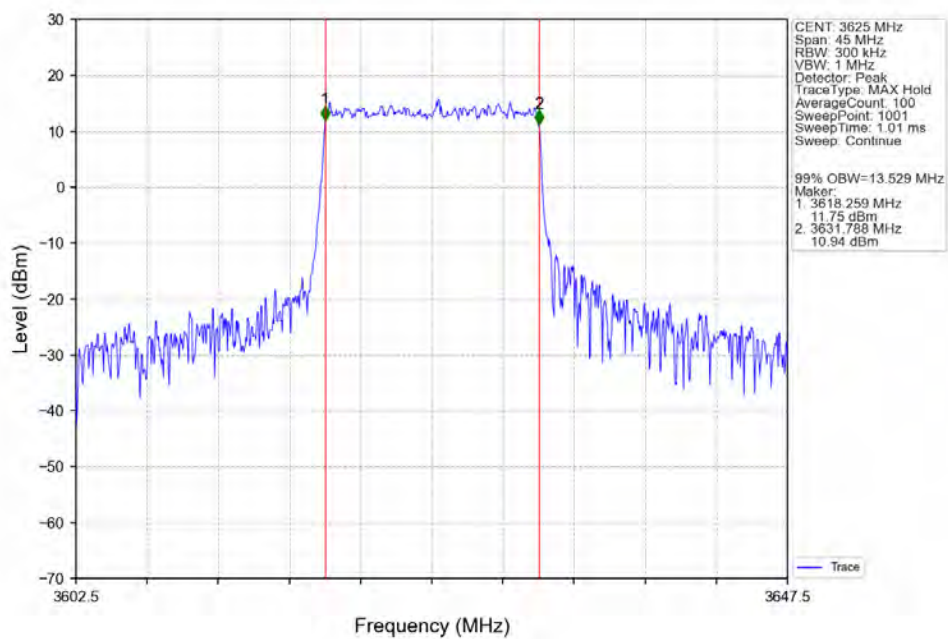
Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV



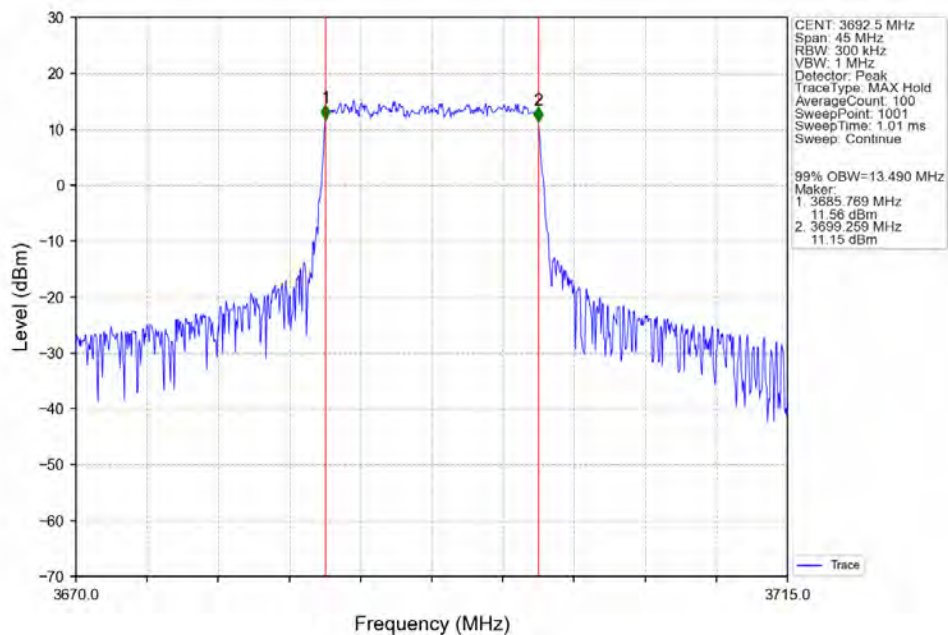
Band48_15MHz_64QAM_LCH_3557.5MHz_RB_75_0_NTNV



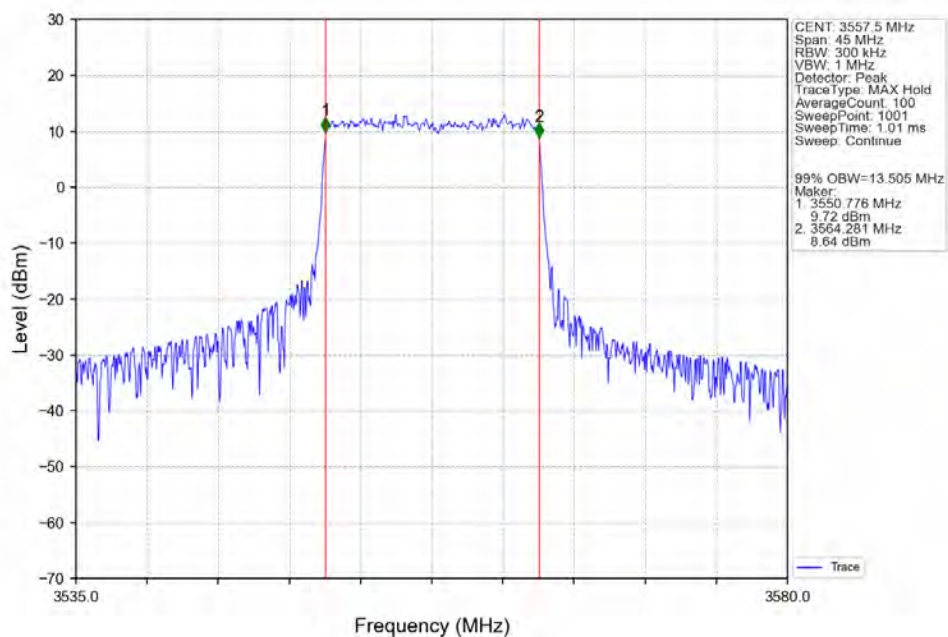
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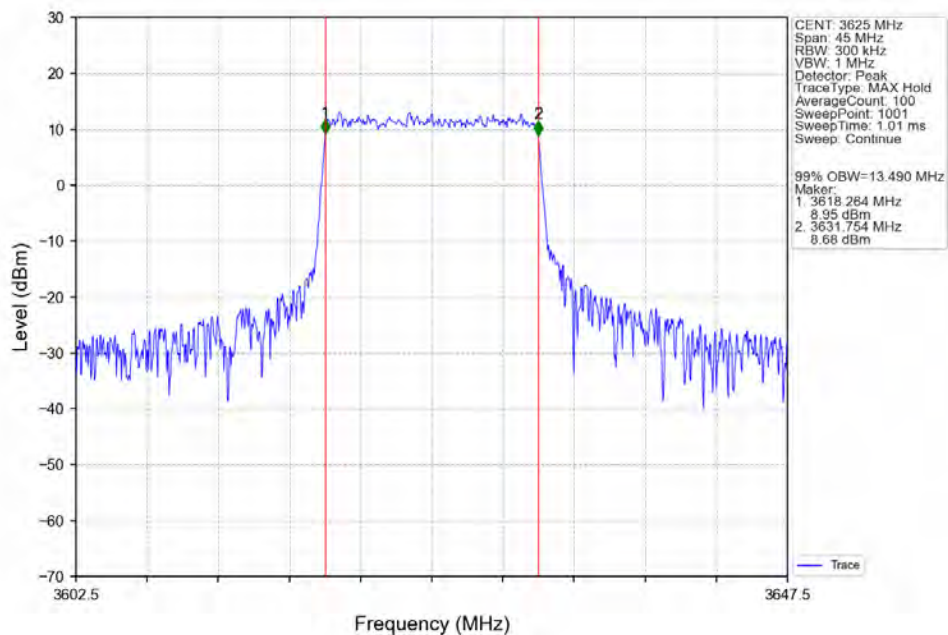
Band48_15MHz_64QAM_HCH_3692.5MHz_RB_75_0_NTNV



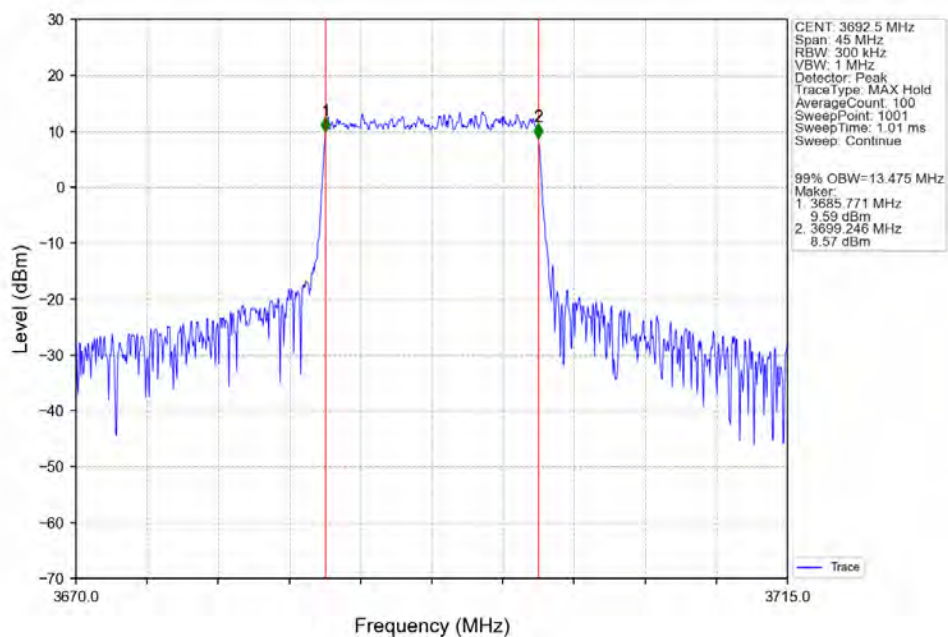
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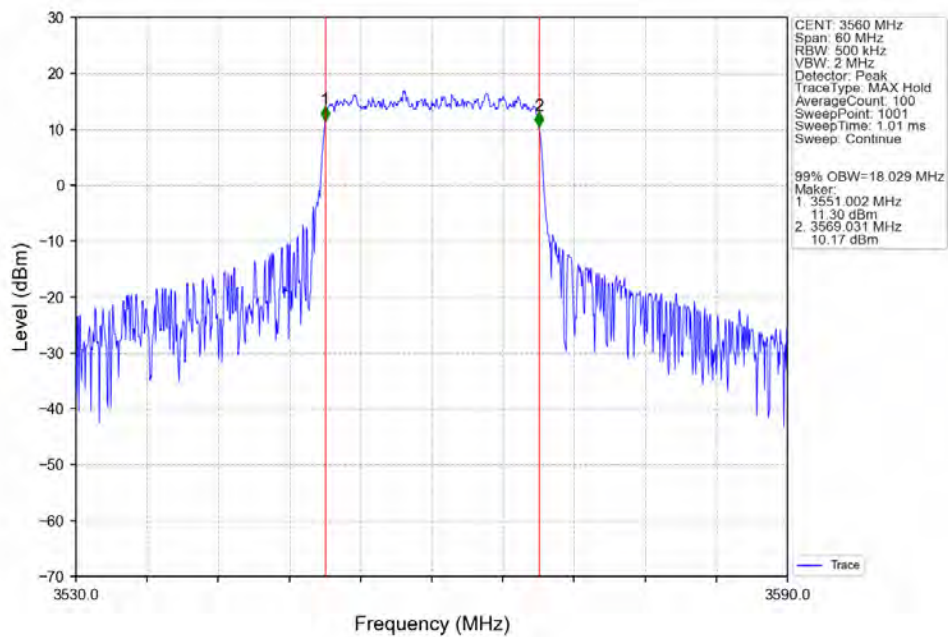
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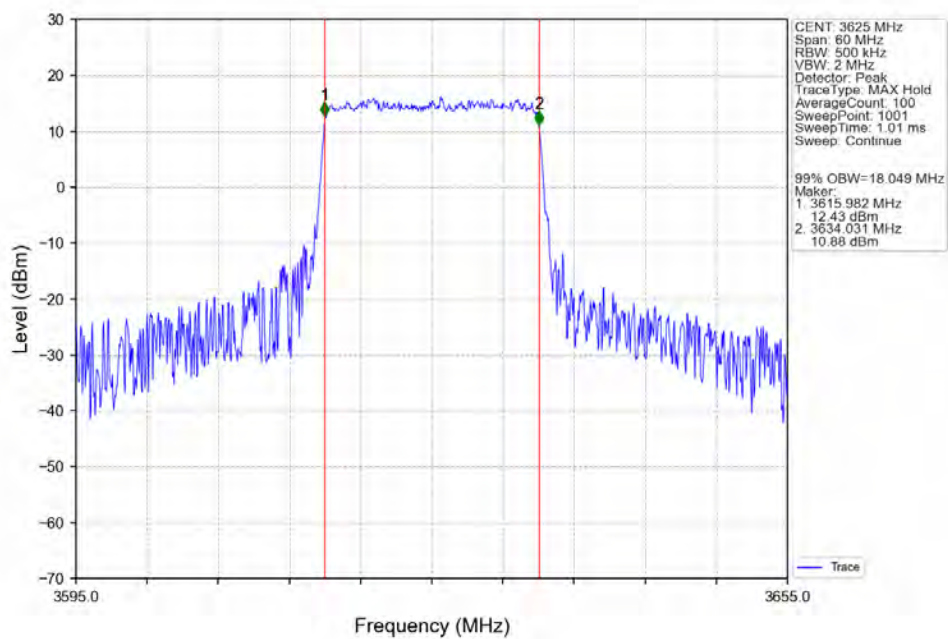
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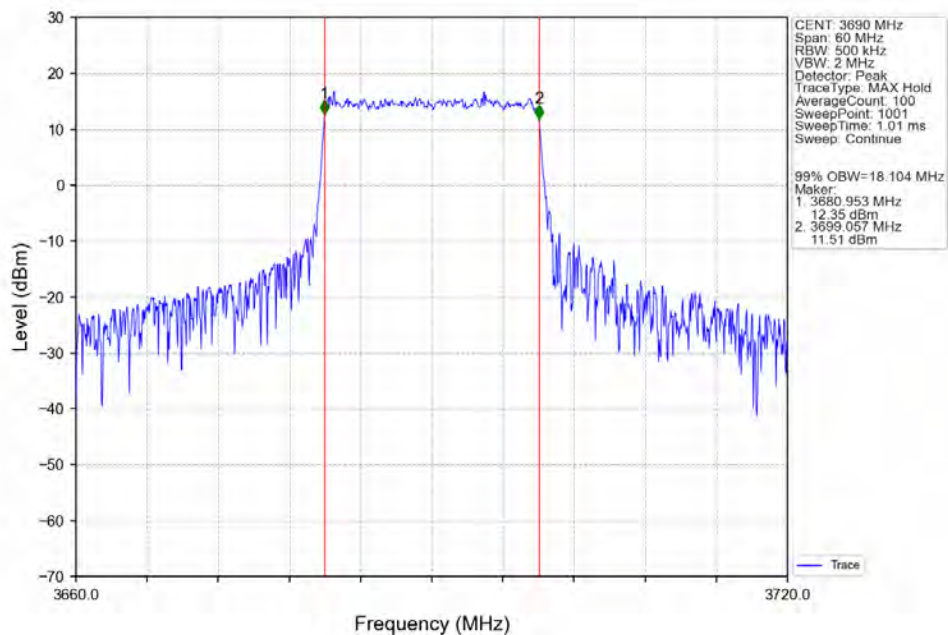
Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV



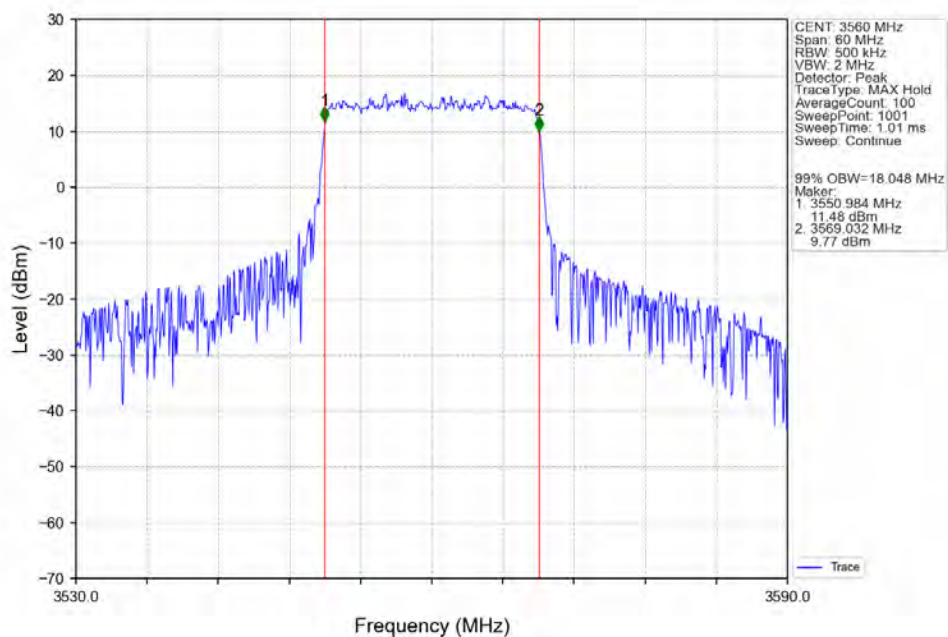
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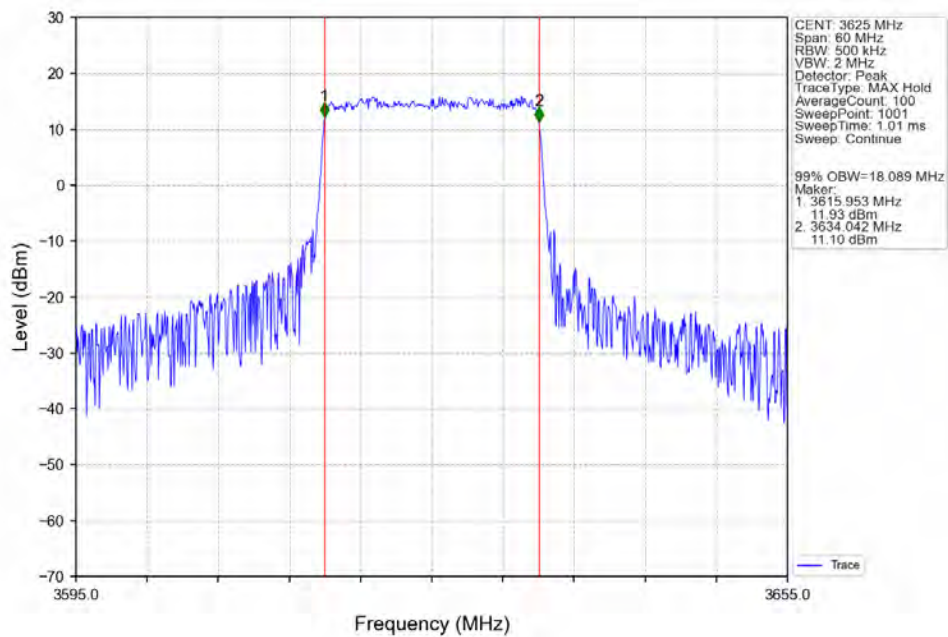
Band48 20MHz QPSK HCH 3690MHz RB 100_0 NTNV



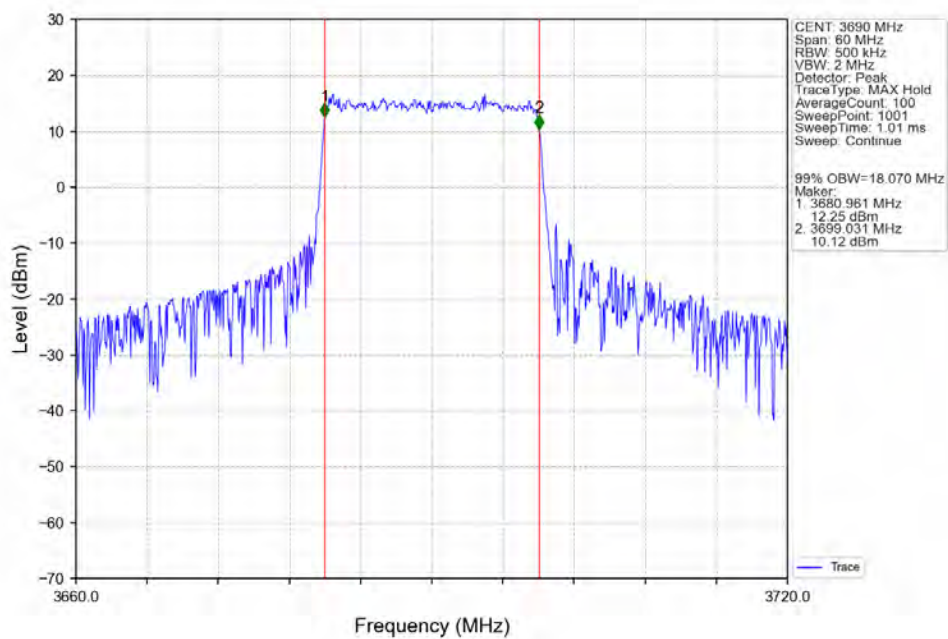
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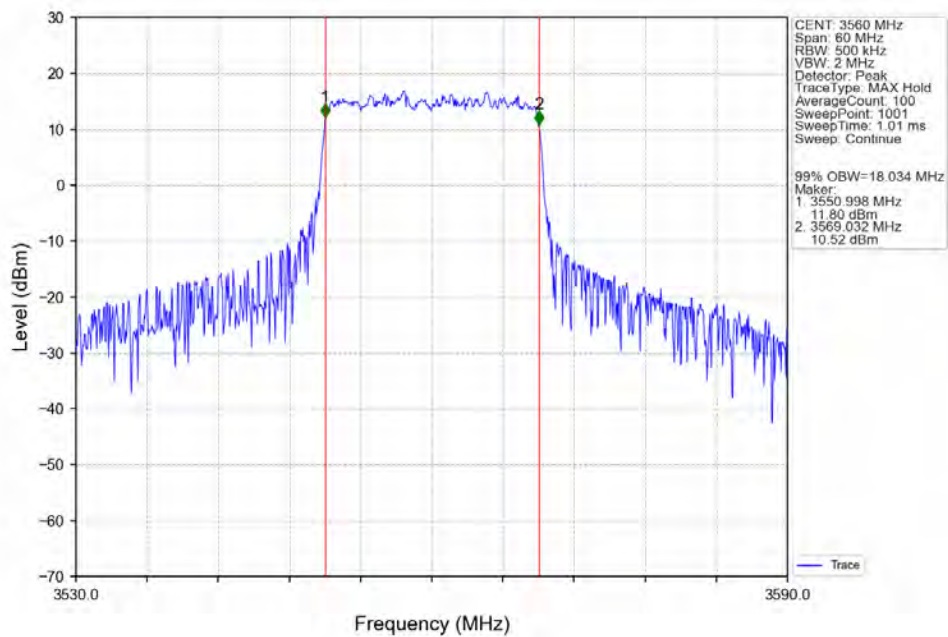
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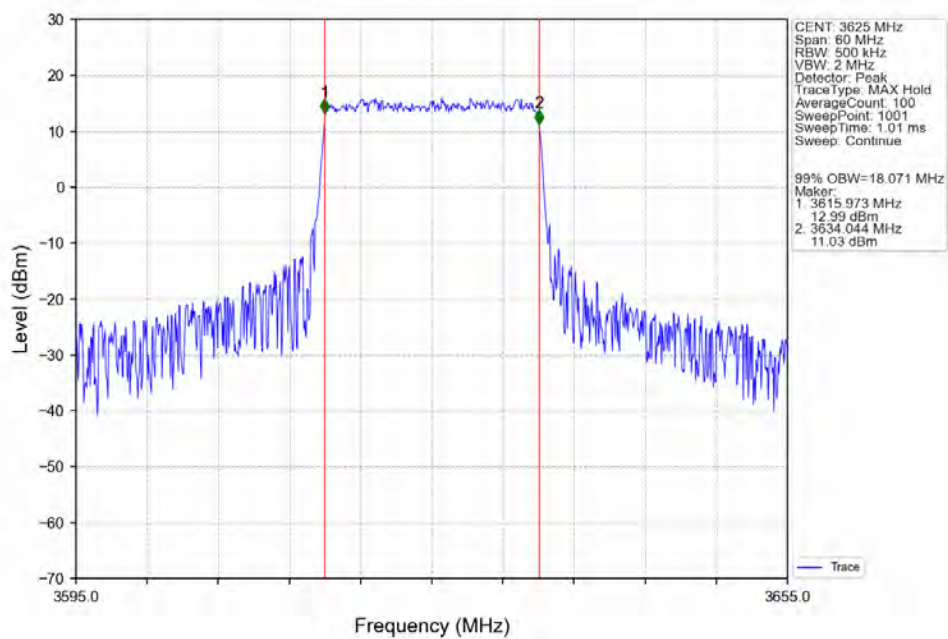
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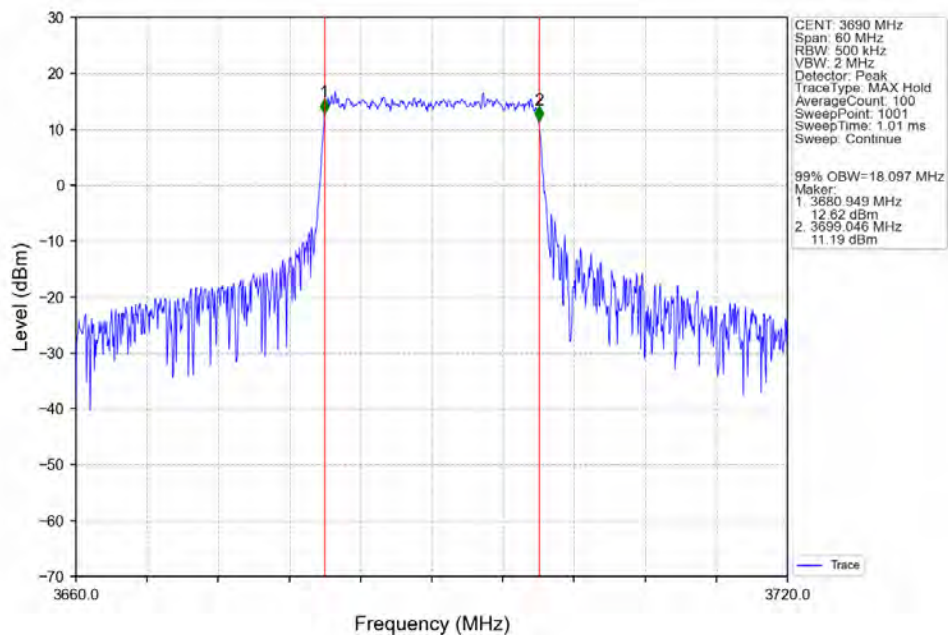
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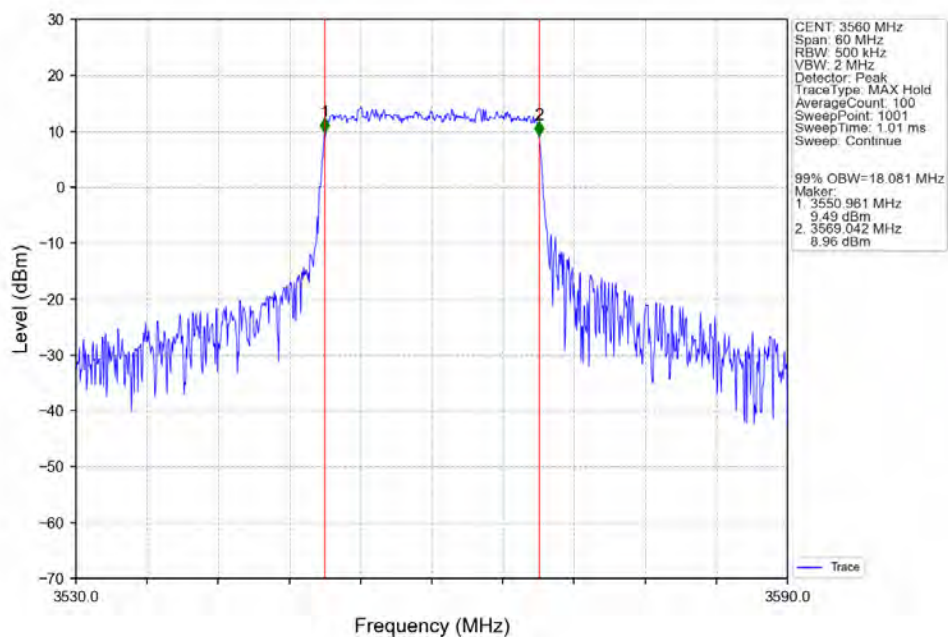
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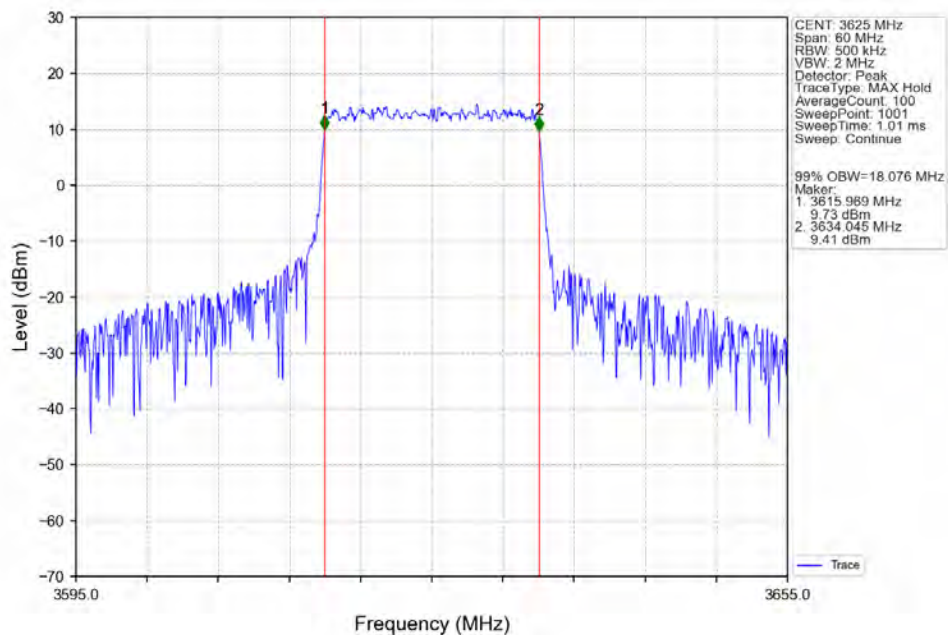
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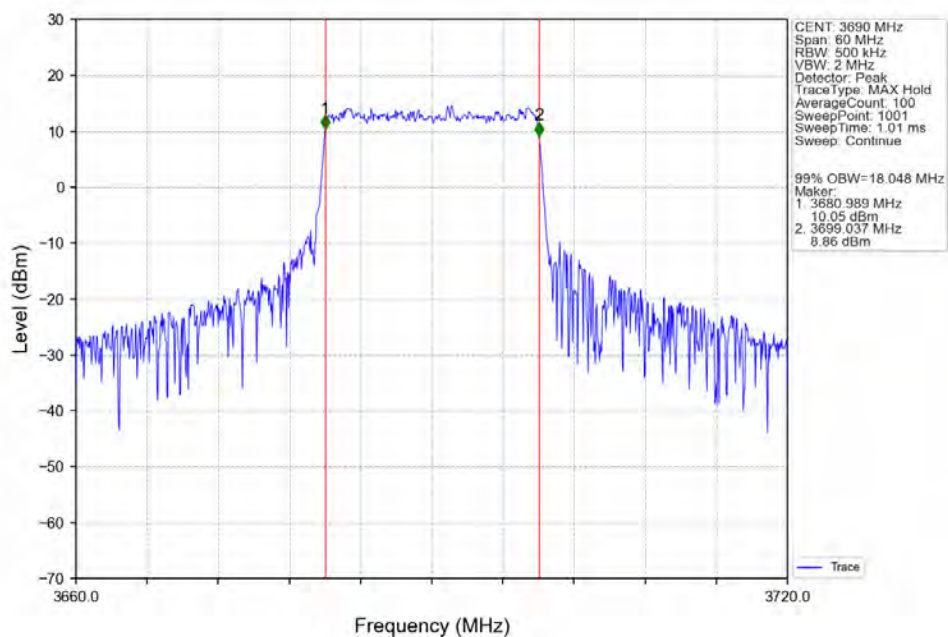
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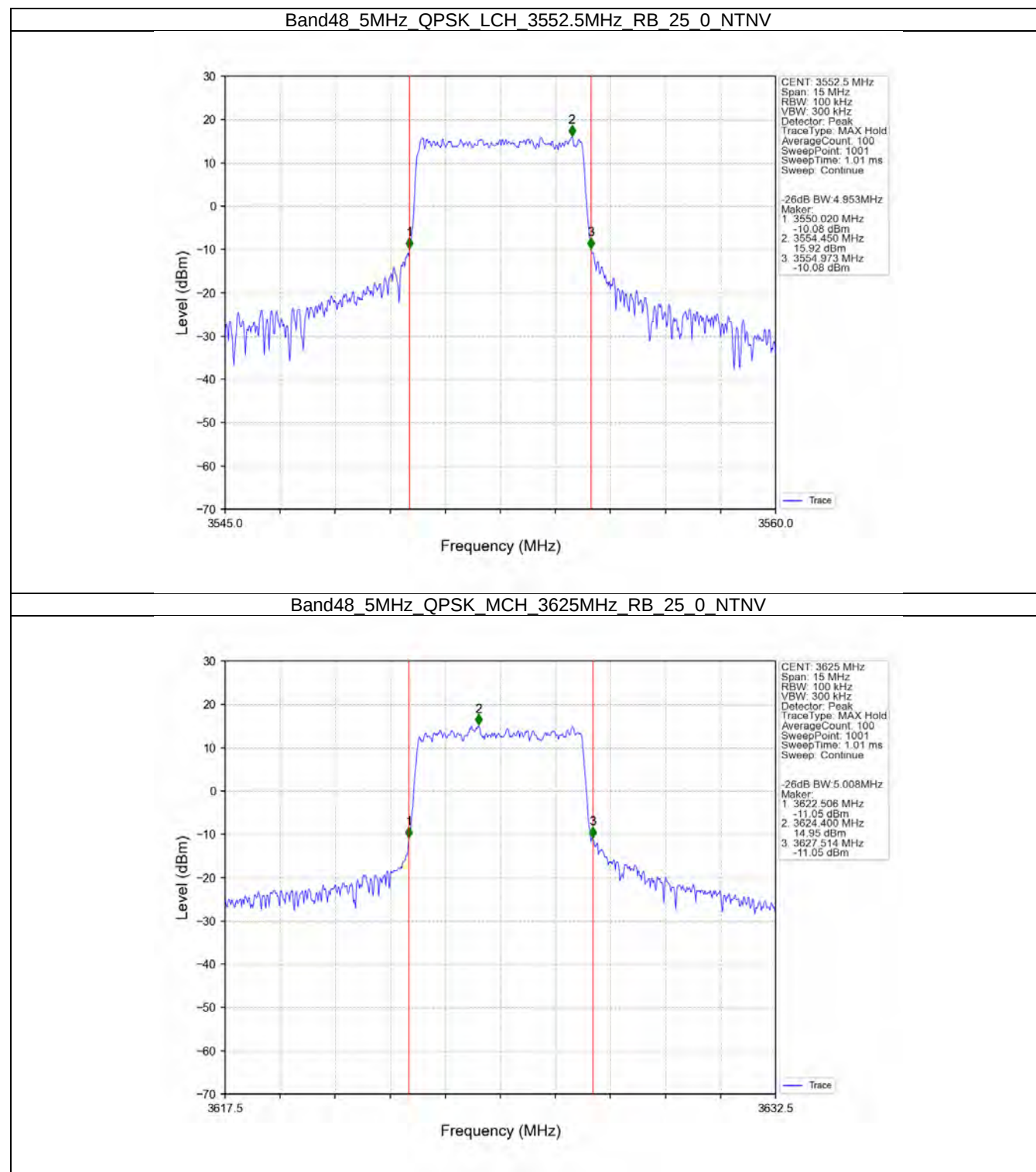
Band48_20MHz_256QAM_MCH_3625MHz_RB_100_0_NTNV



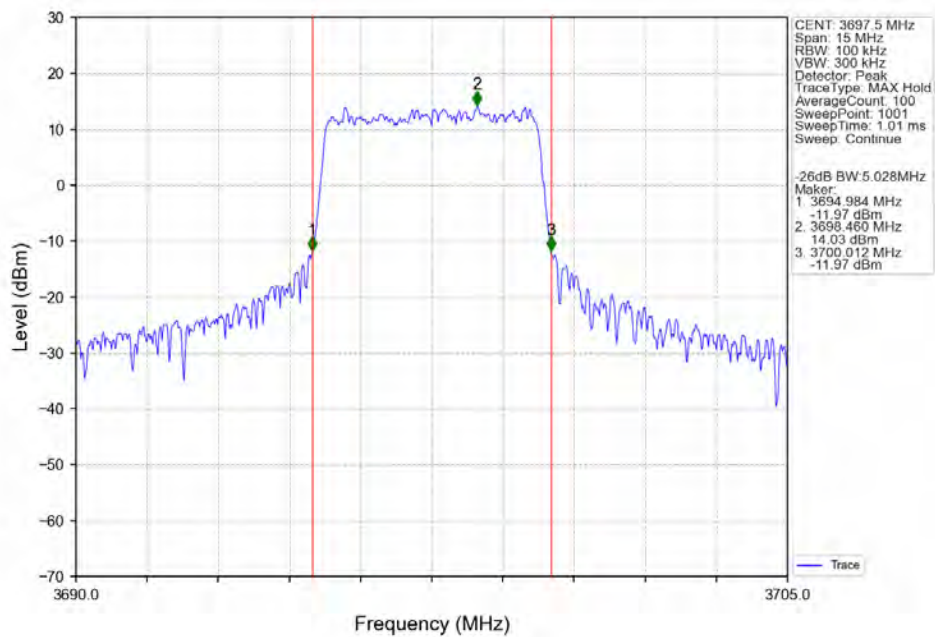
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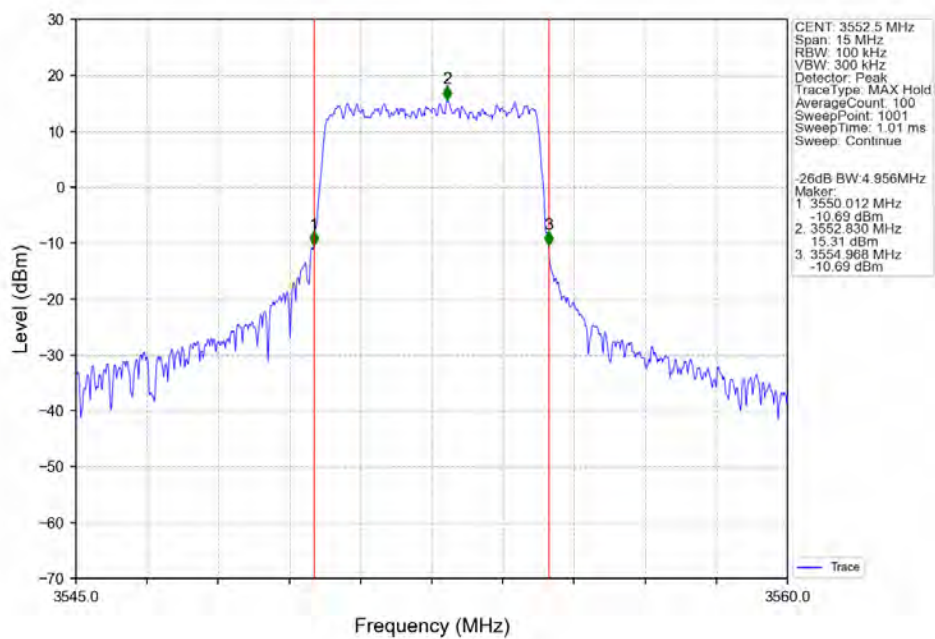
3.2.2 Band48_XDB



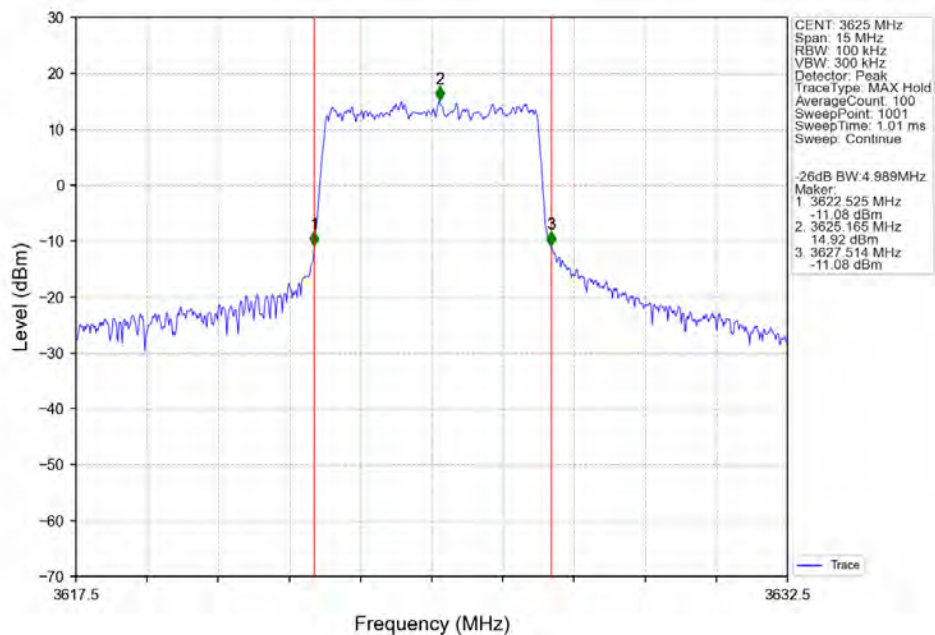
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



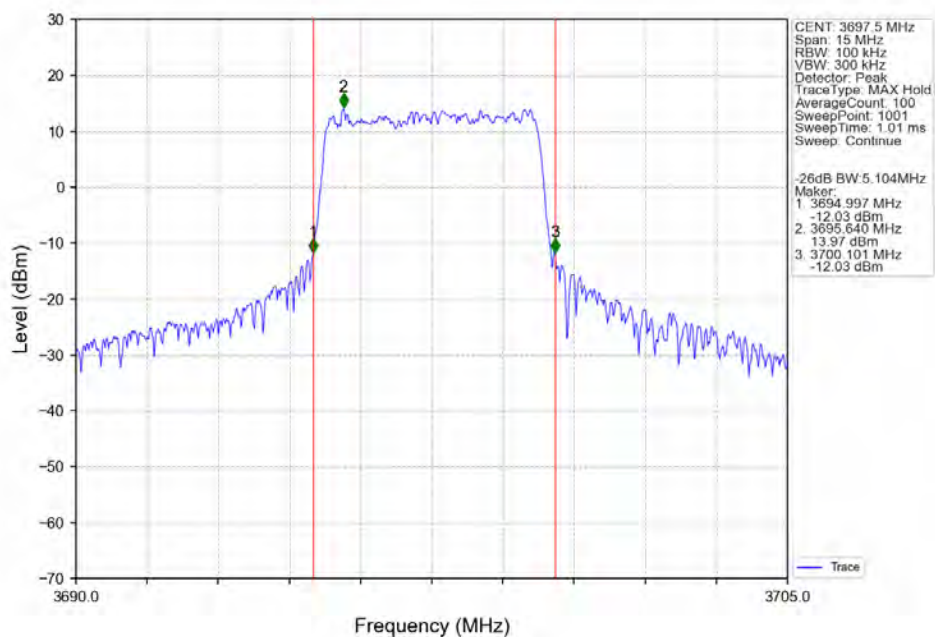
Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



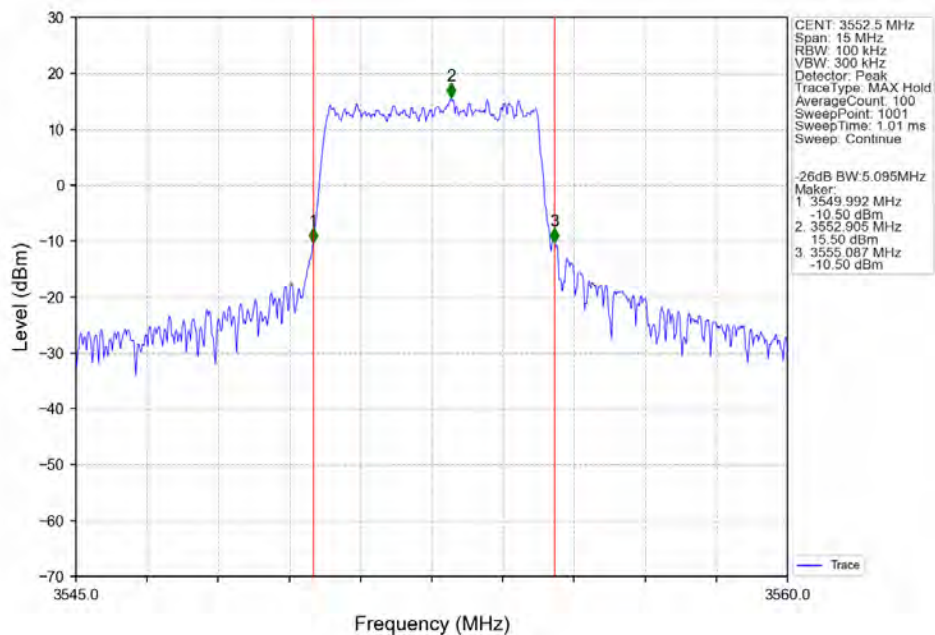
Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV



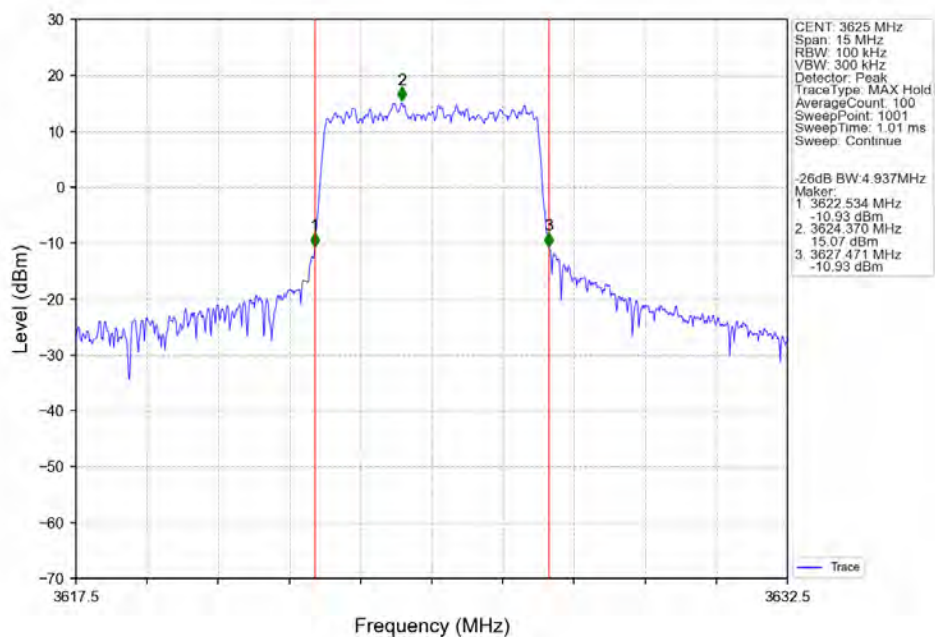
Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV



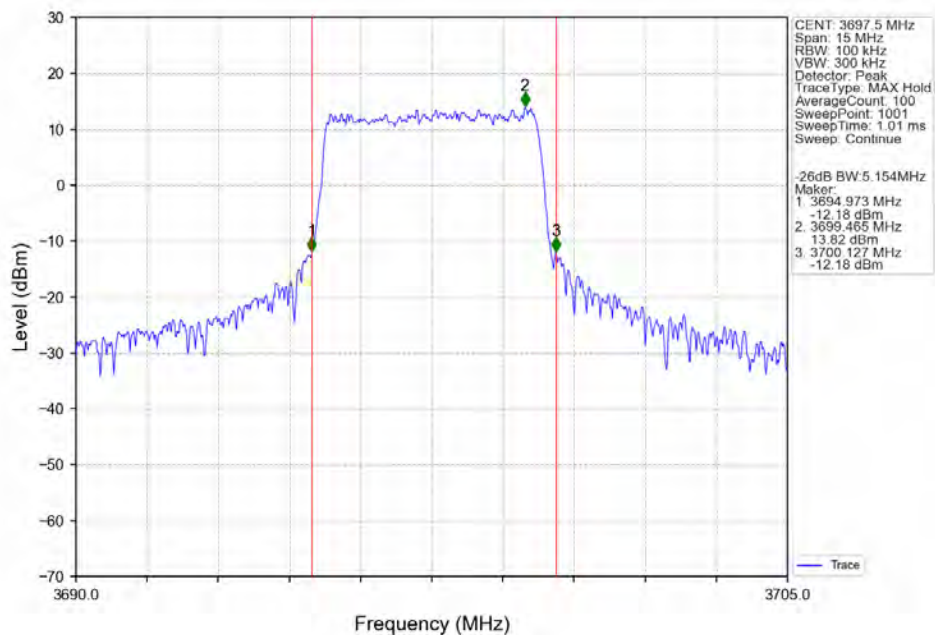
Band48 5MHz 64QAM LCH 3552.5MHz RB 25 0 NTNV



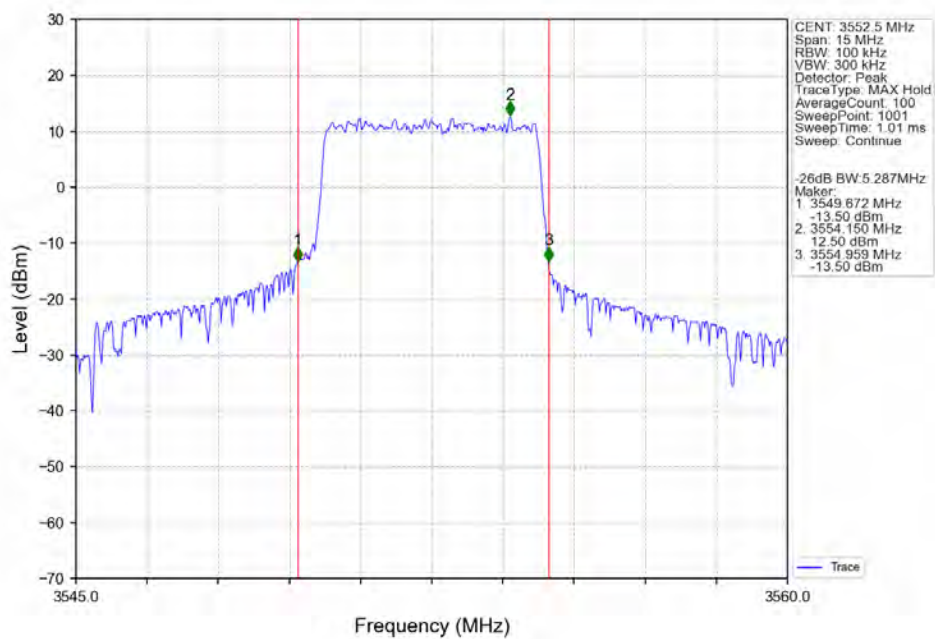
Band48 5MHz 64QAM MCH 3625MHz RB 25 0 NTNV



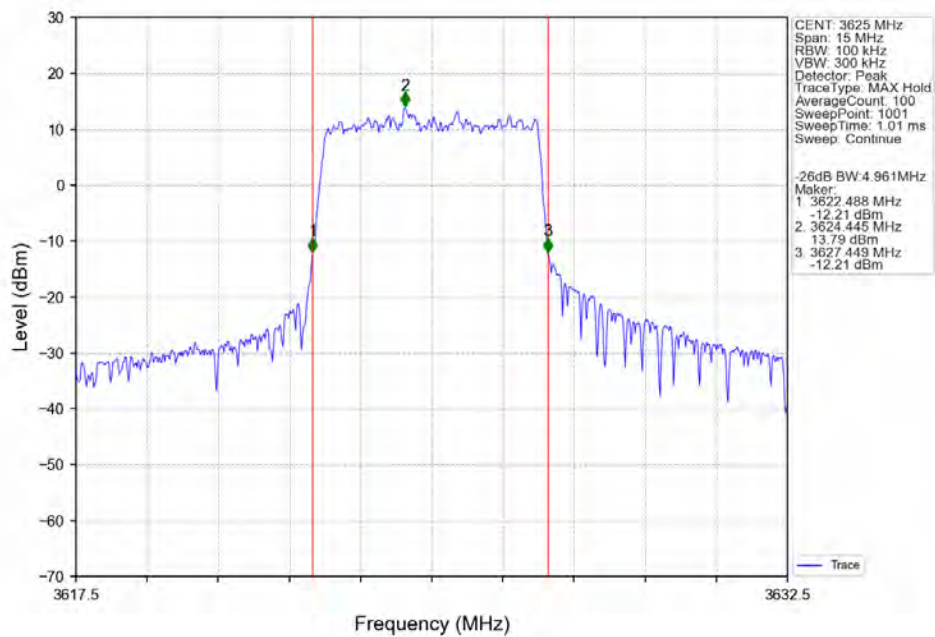
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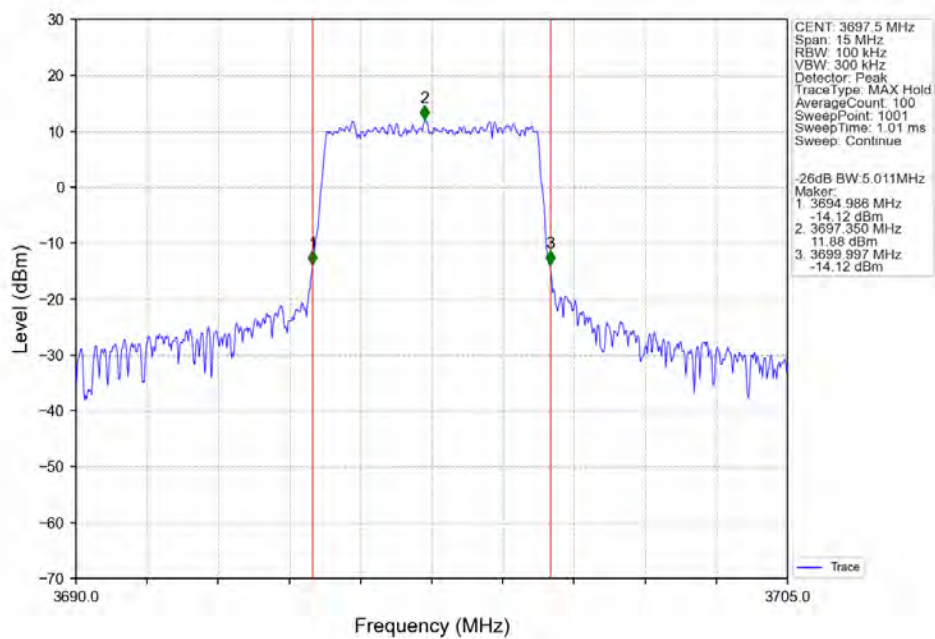
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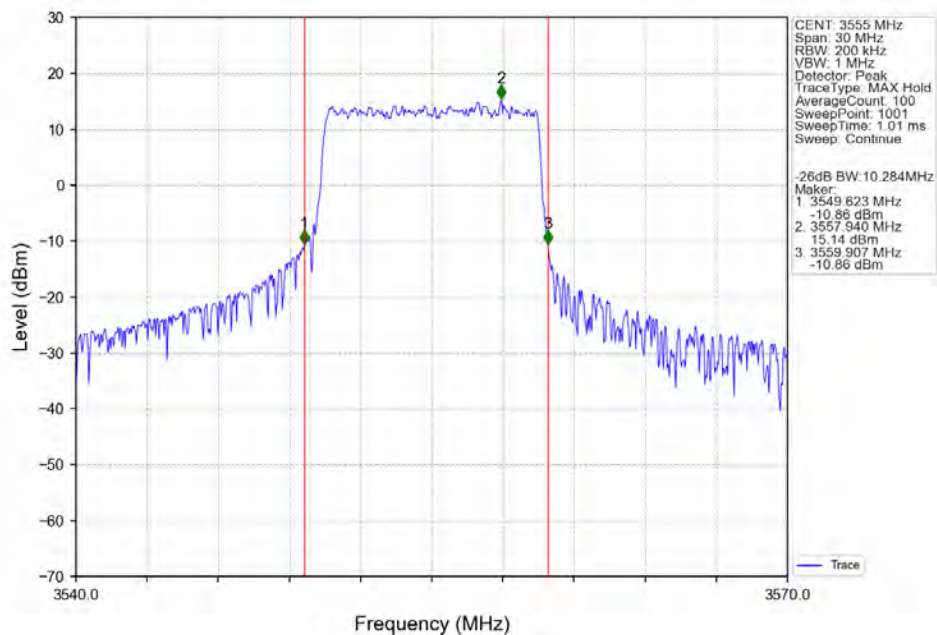
Band48 5MHz 256QAM MCH 3625MHz RB 25 0 NTNV



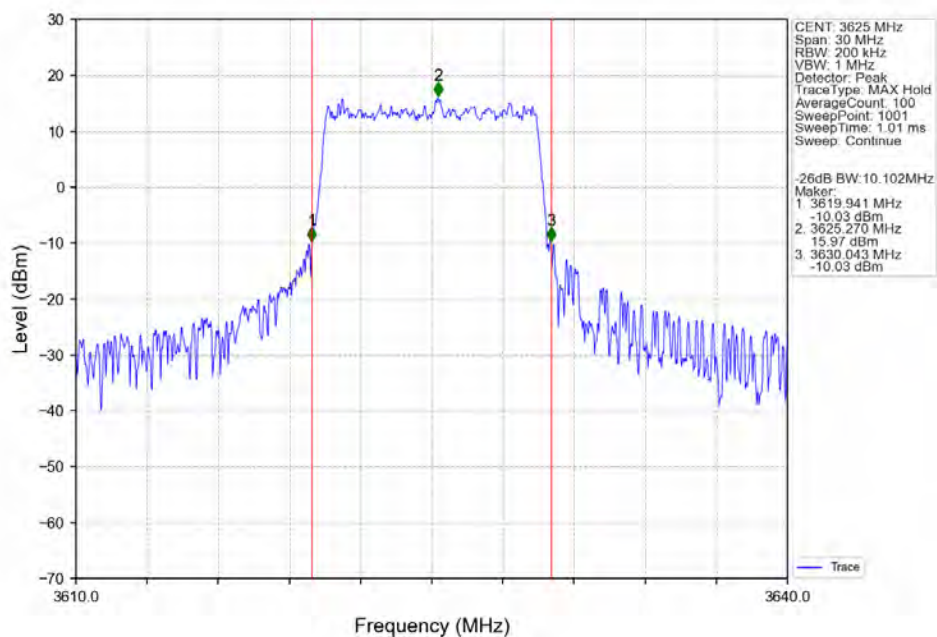
Band48 5MHz 256QAM HCH 3697.5MHz RB 25 0 NTNV



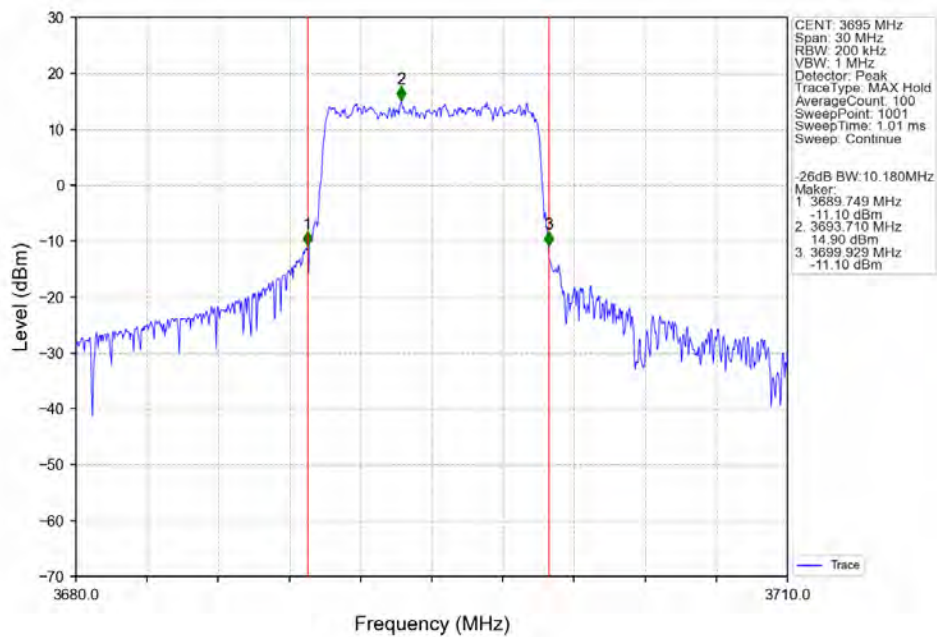
Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV



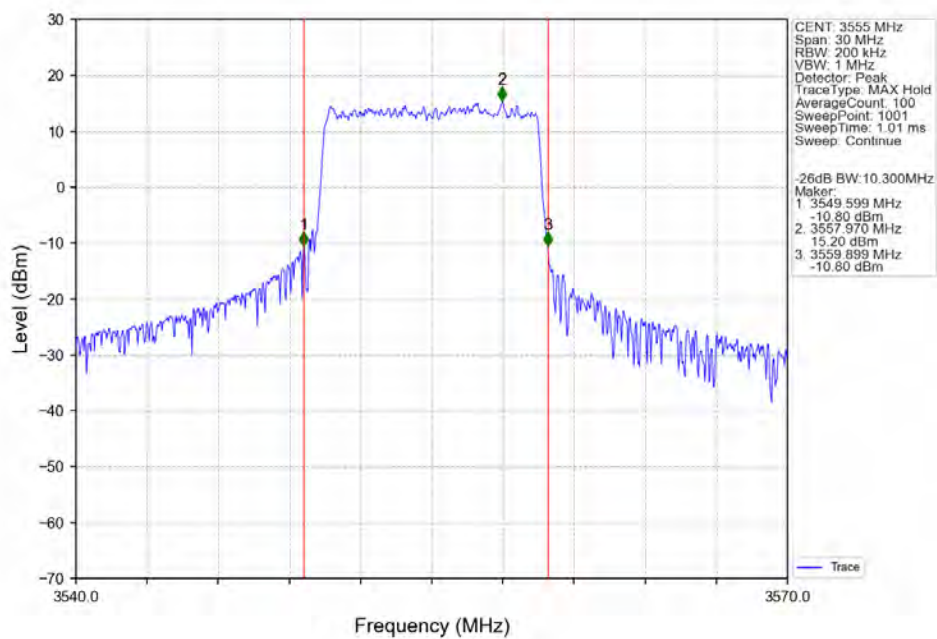
Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



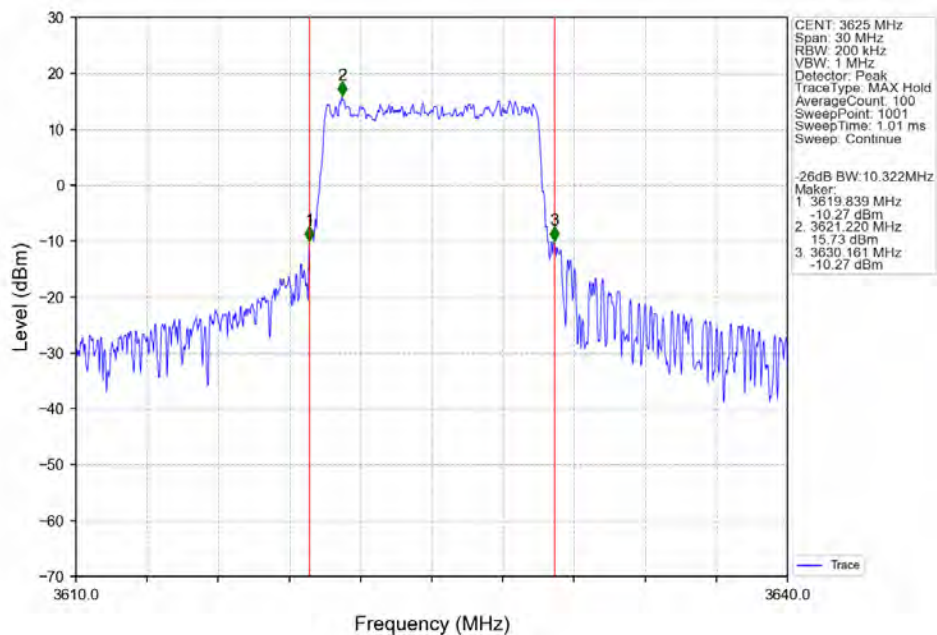
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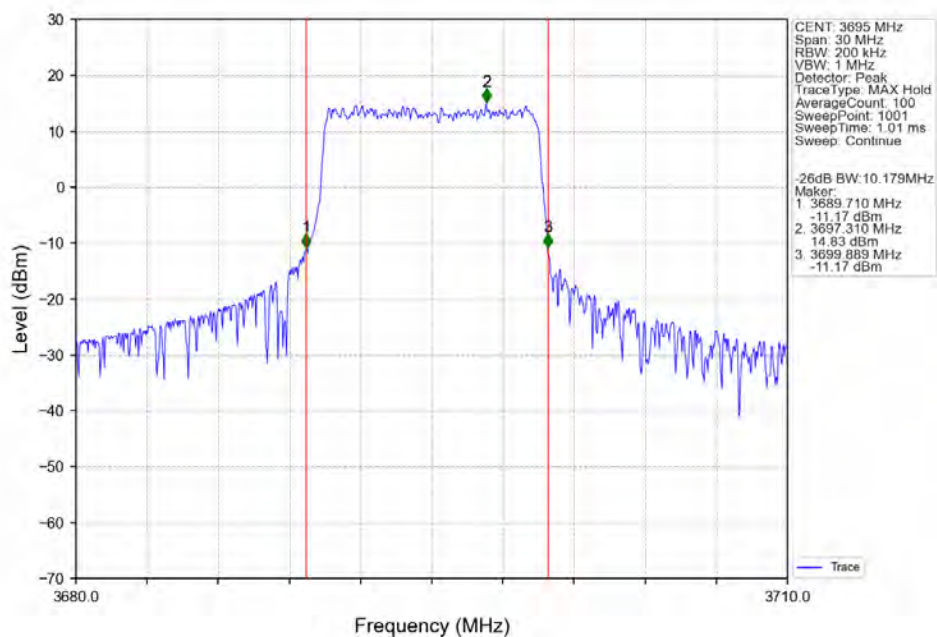
Band48_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV



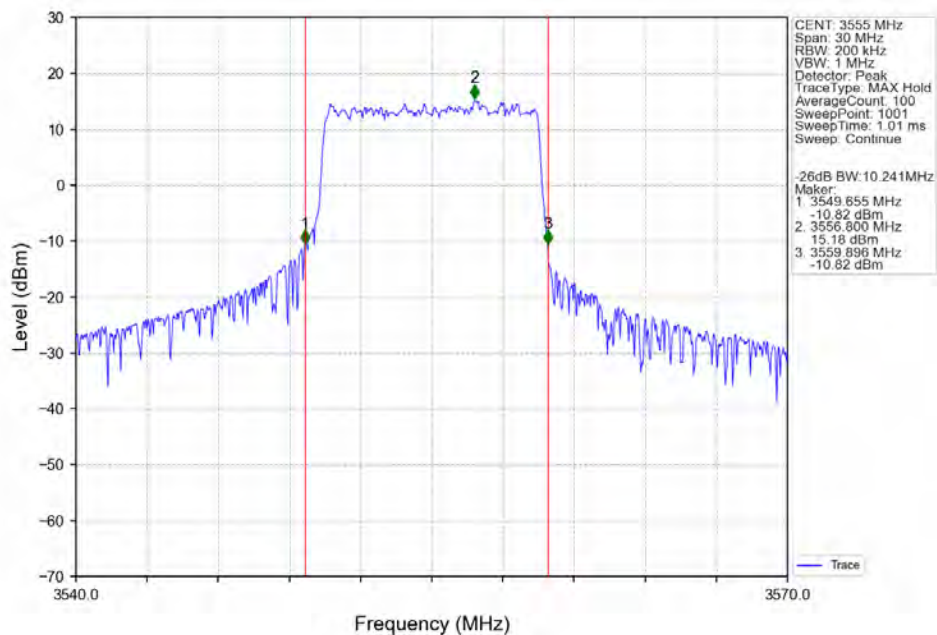
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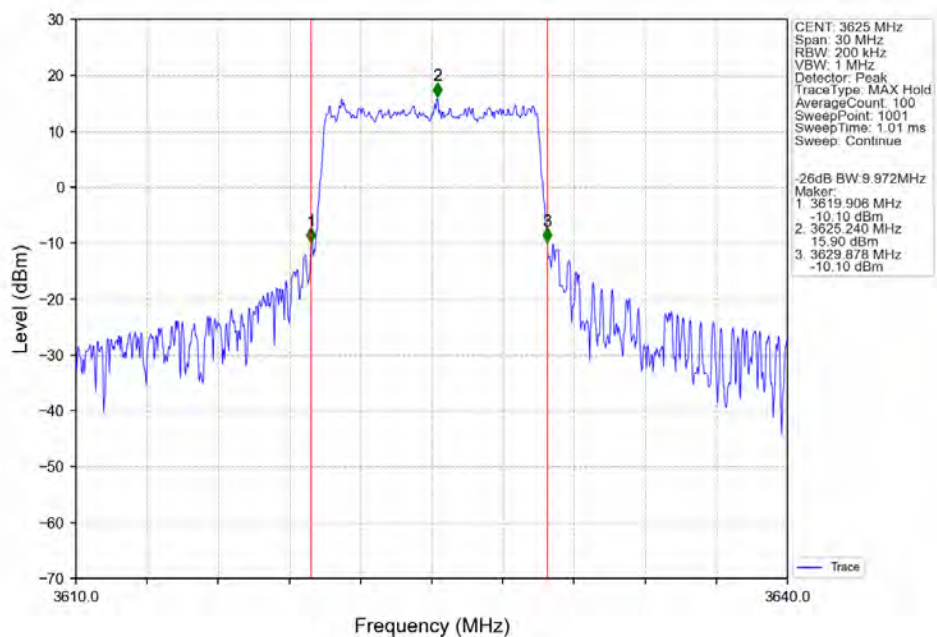
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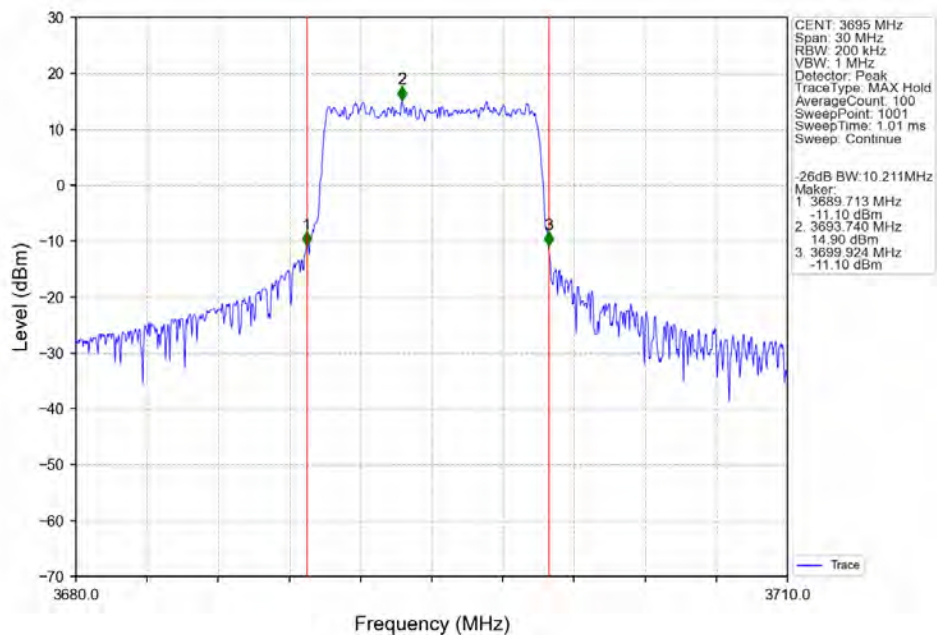
Band48_10MHz_64QAM_LCH_3555MHz_RB_50_0_NTNV



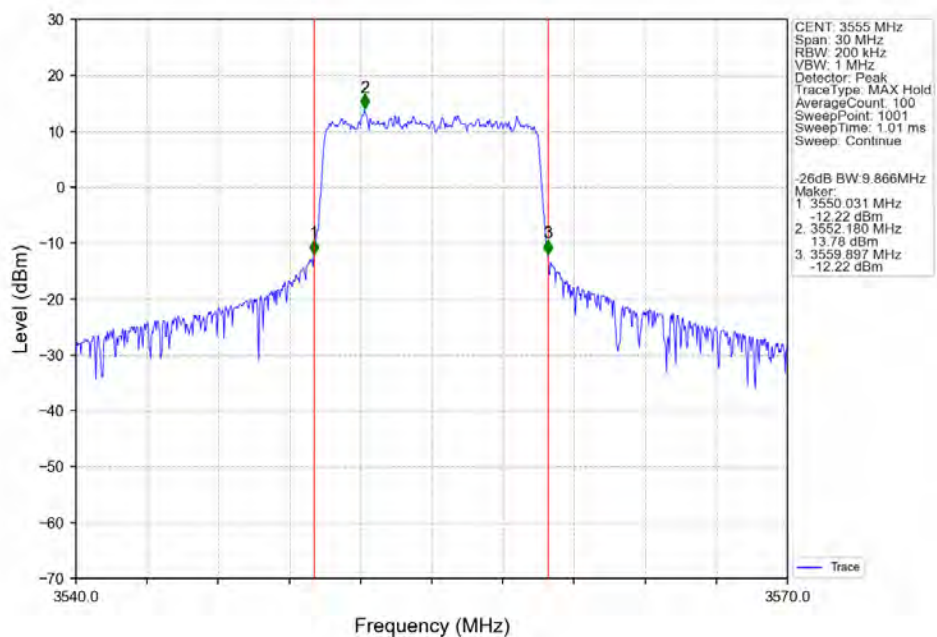
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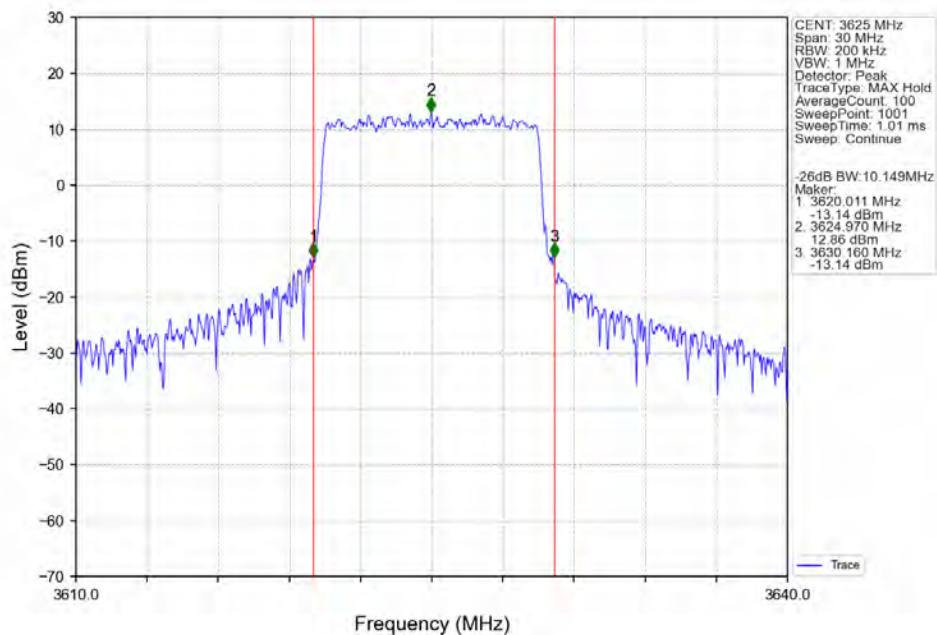
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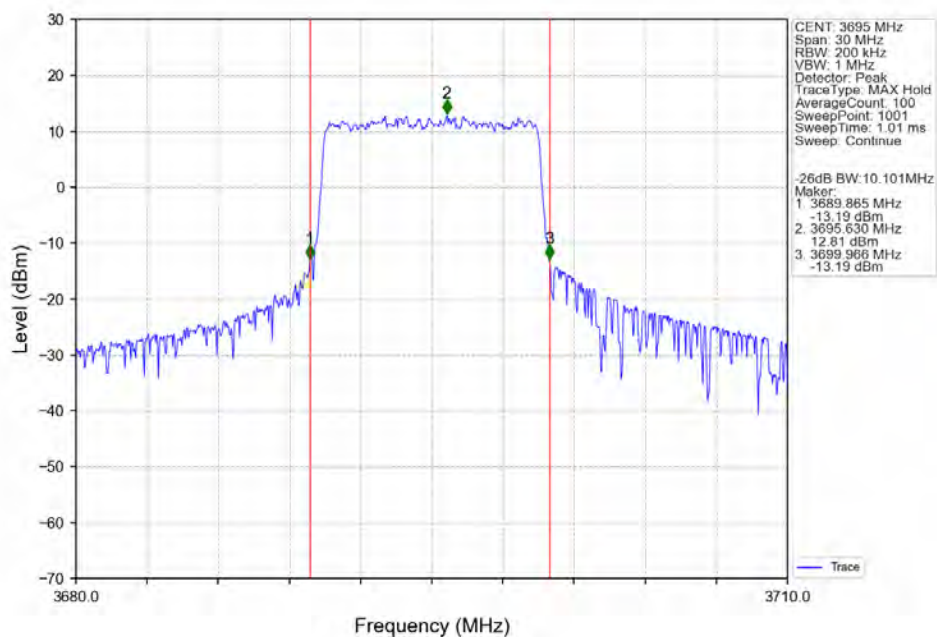
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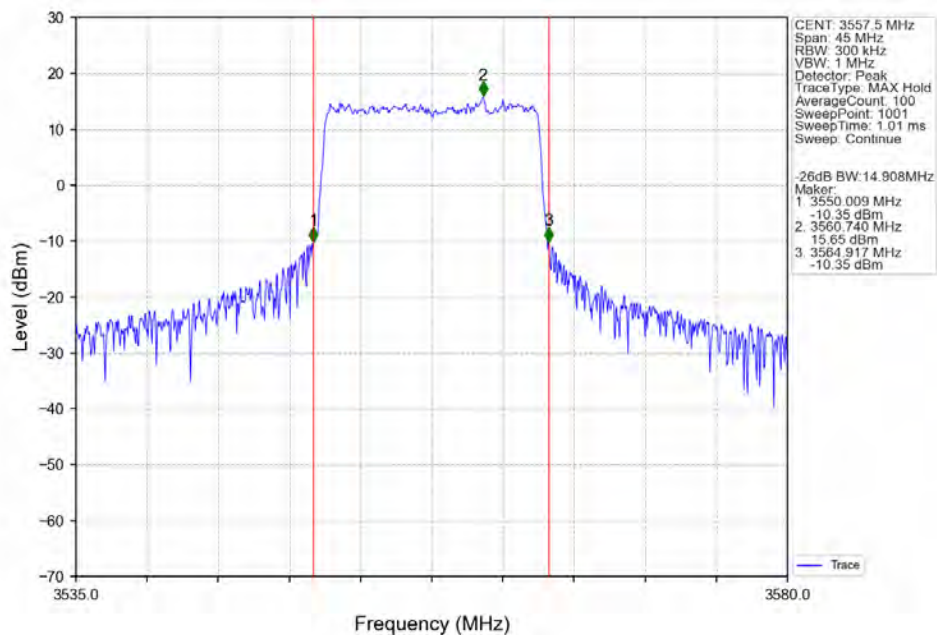
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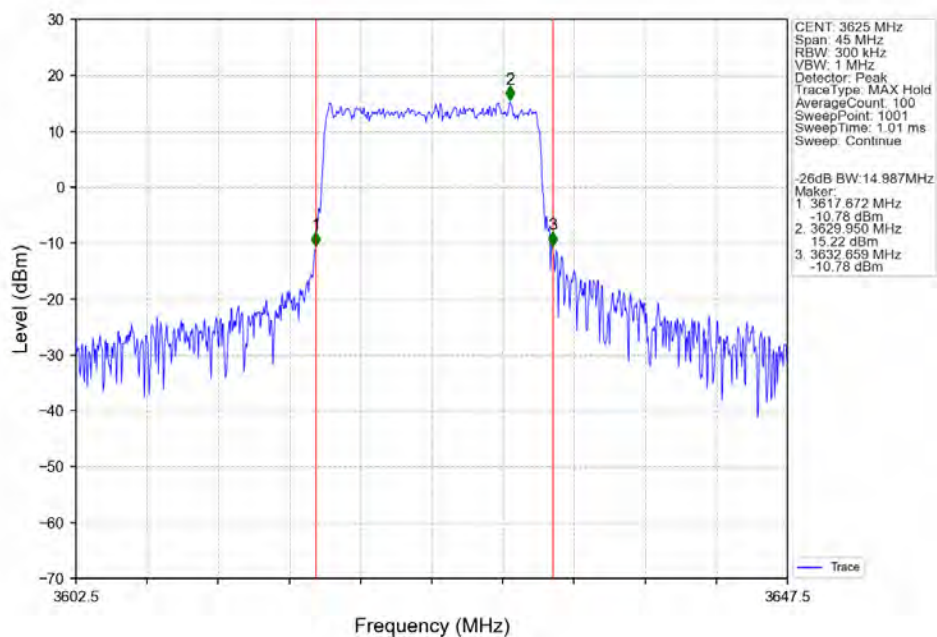
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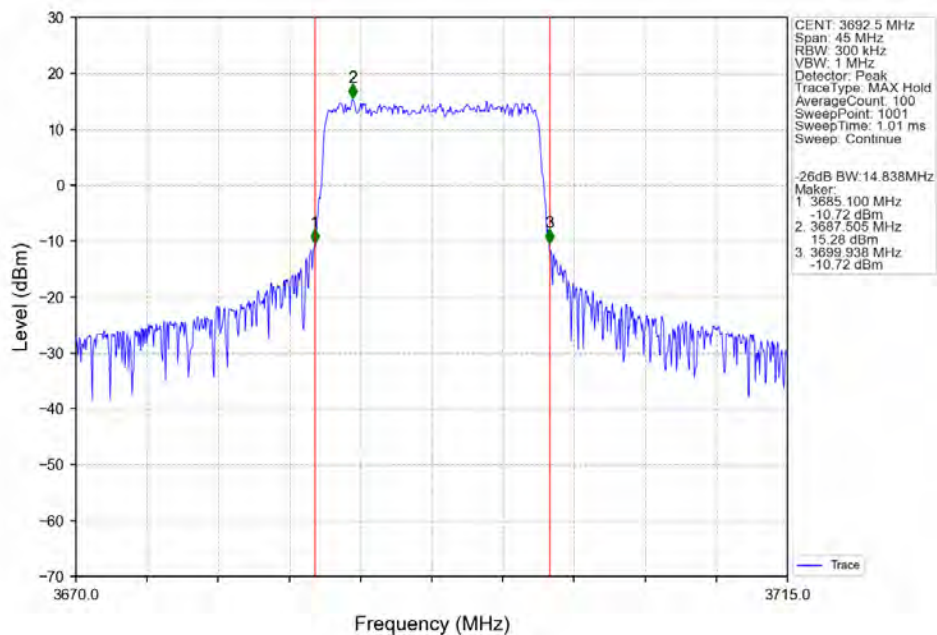
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV



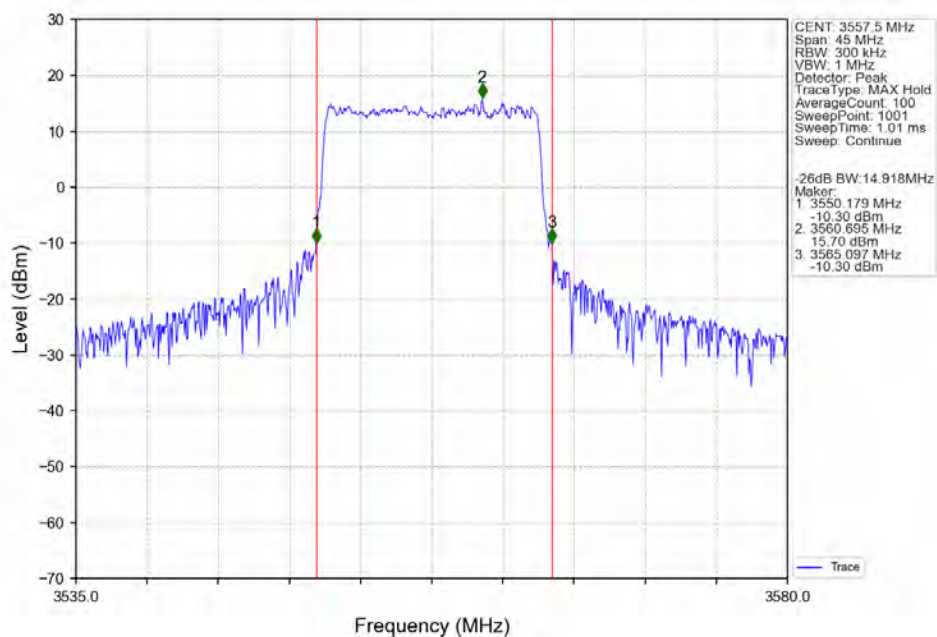
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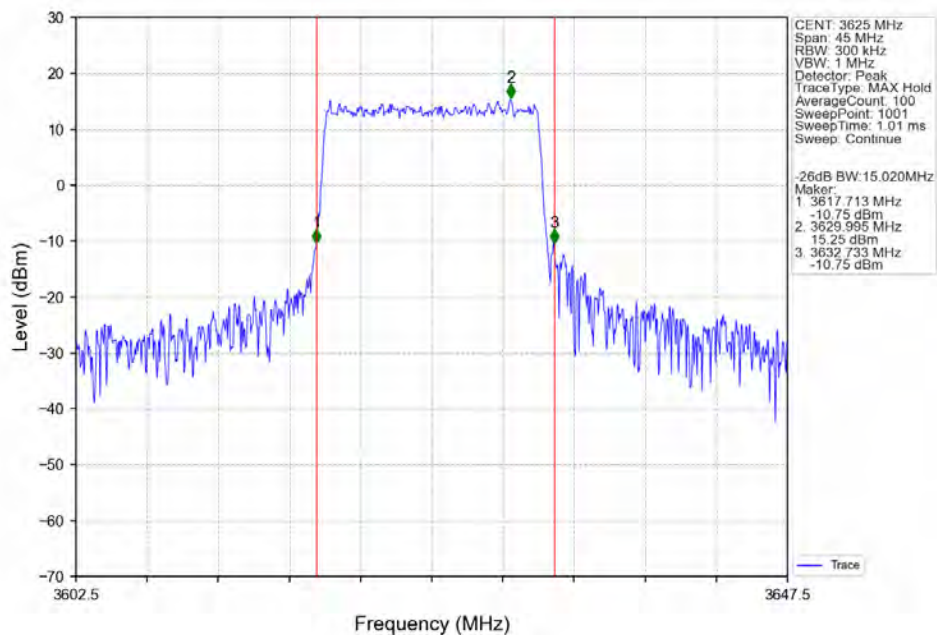
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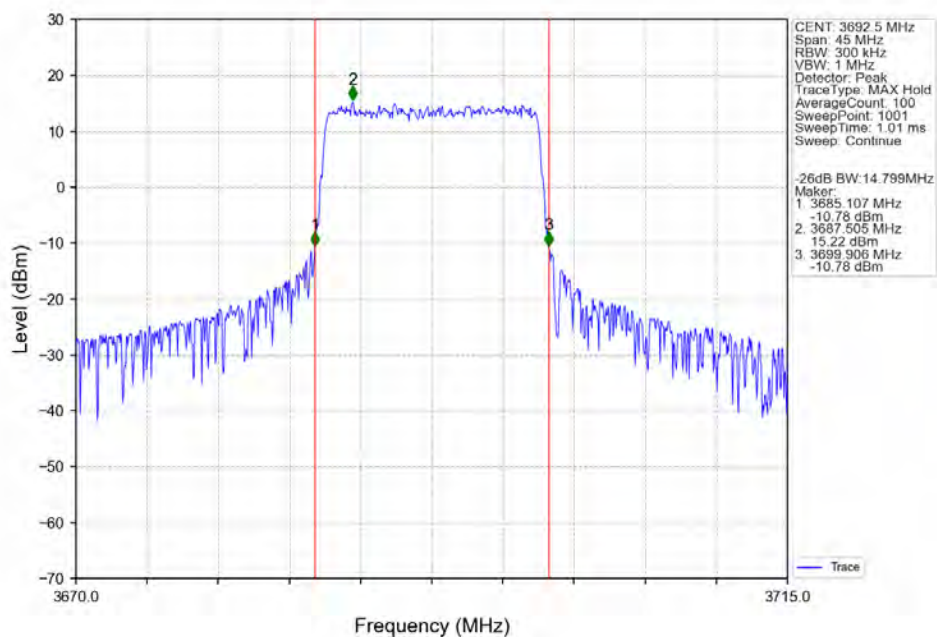
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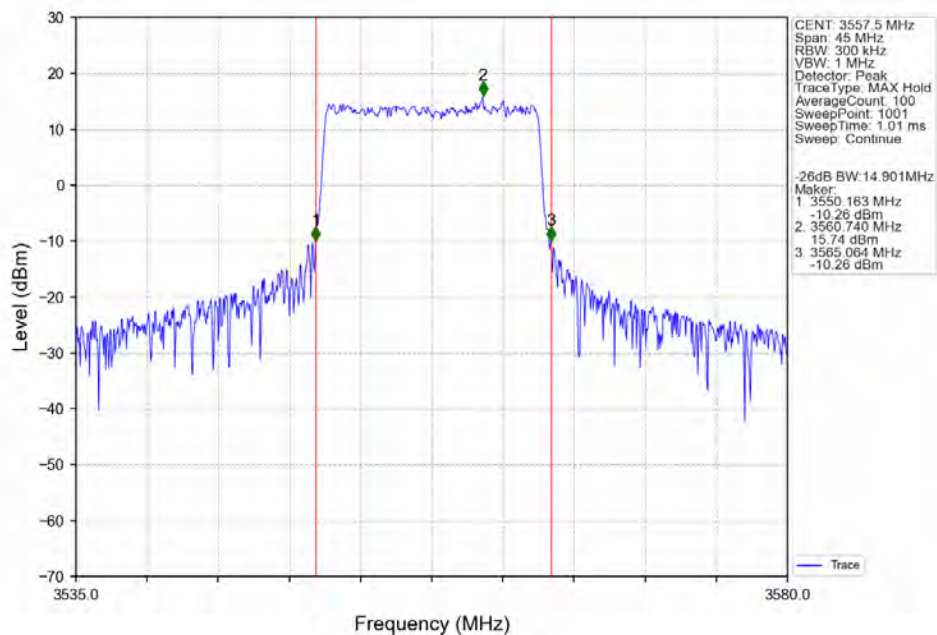
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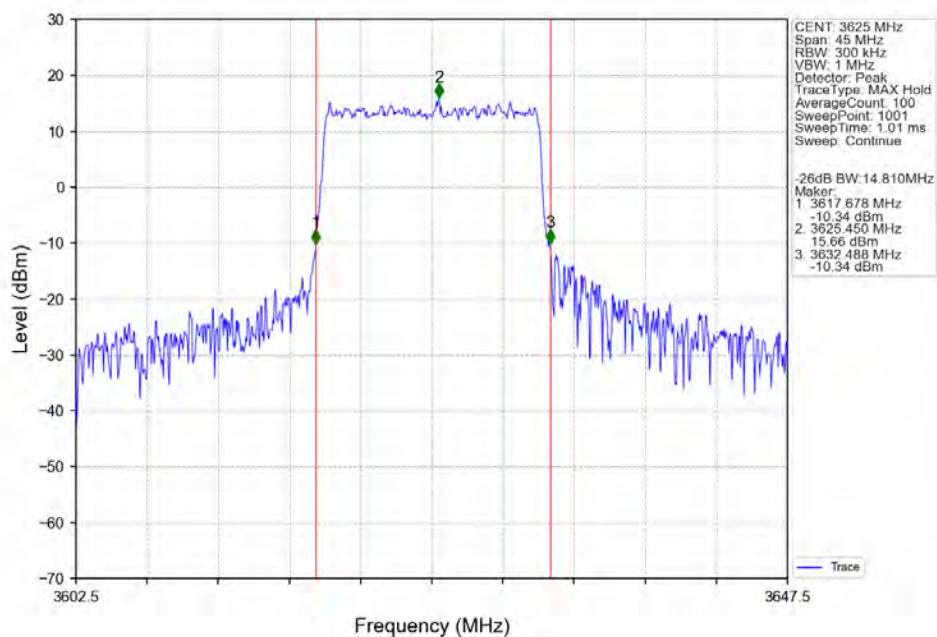
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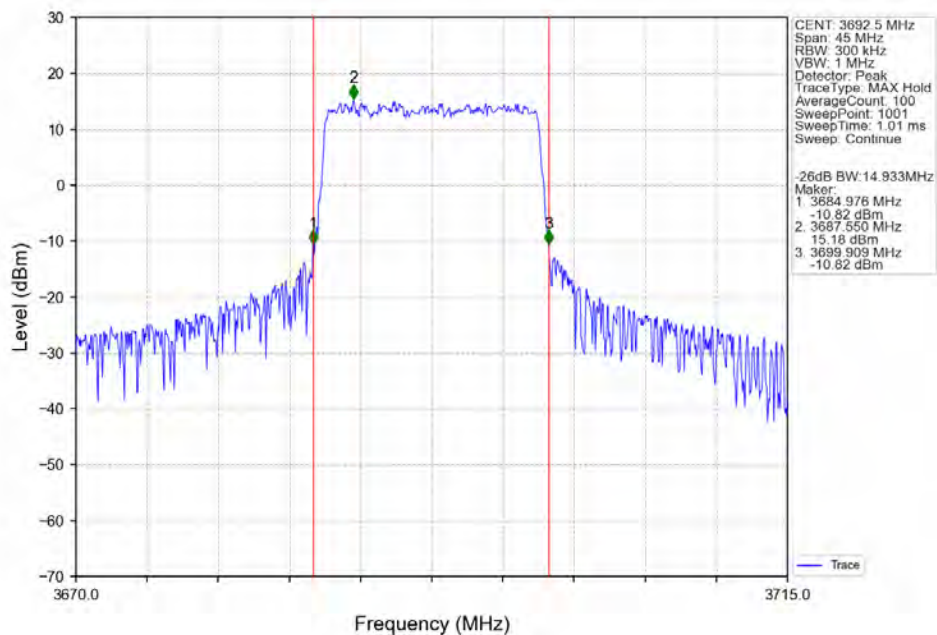
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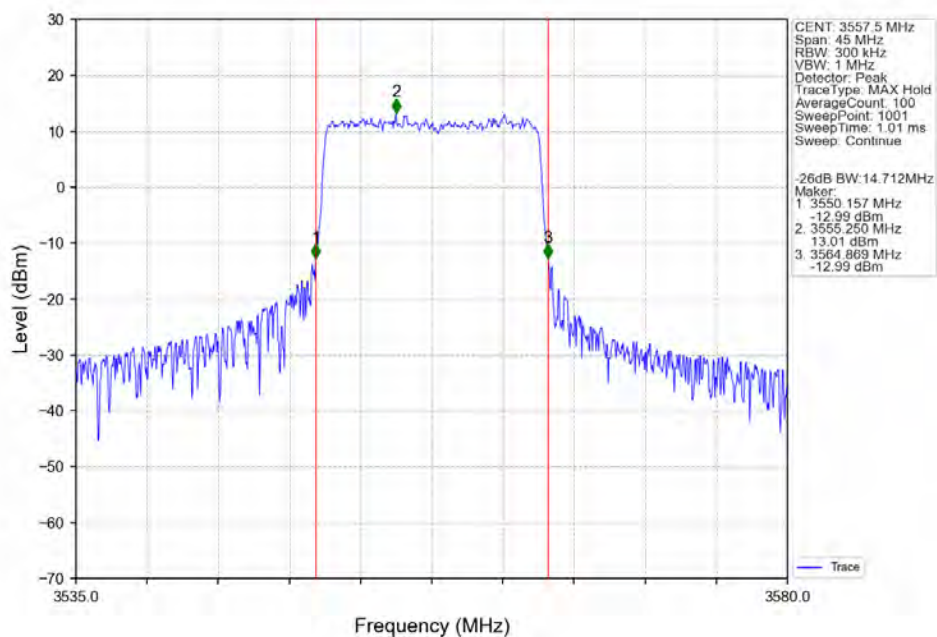
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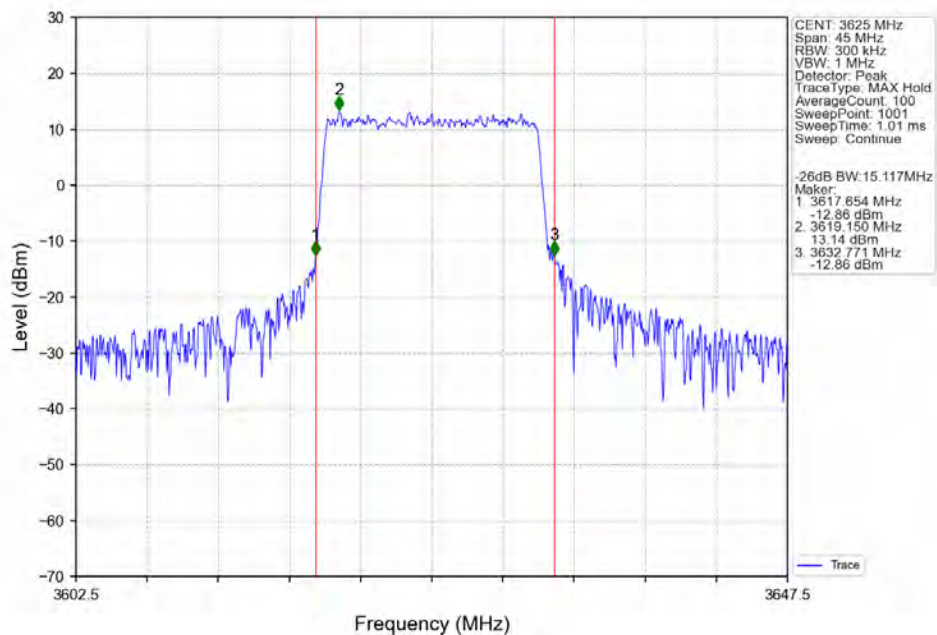
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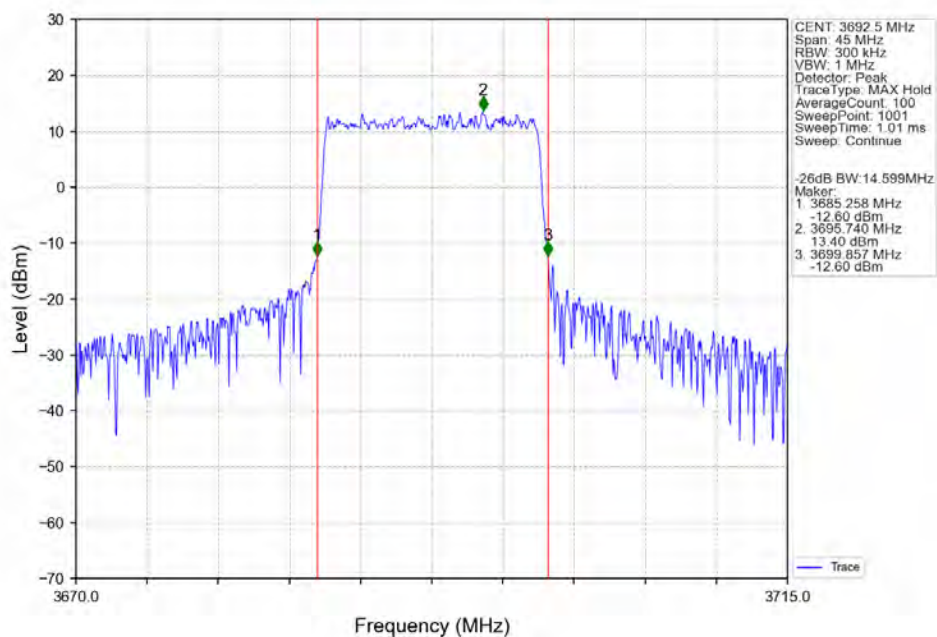
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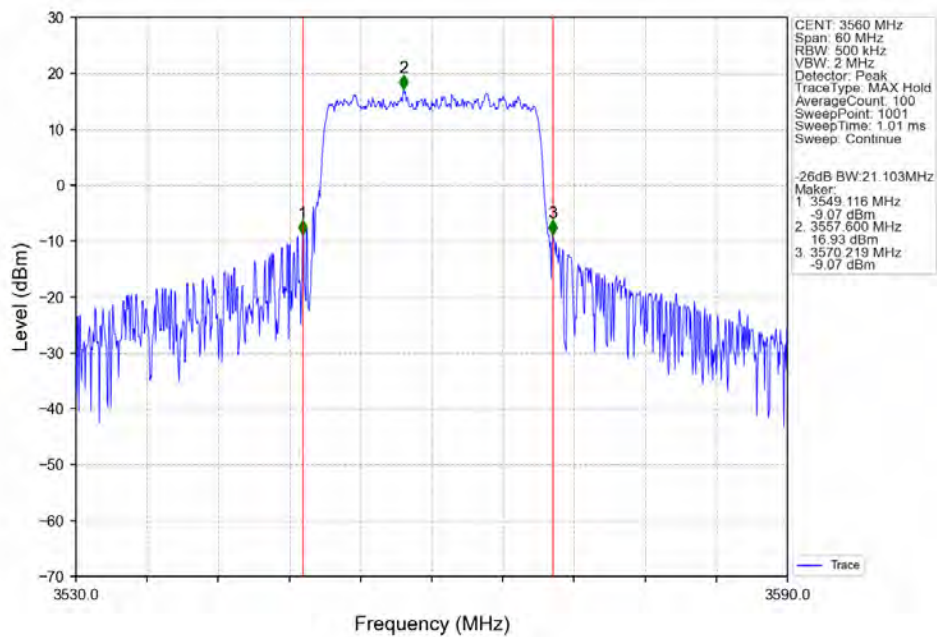
Band48_15MHz_256QAM_MCH_3625MHz_RB_75_0_NTNV



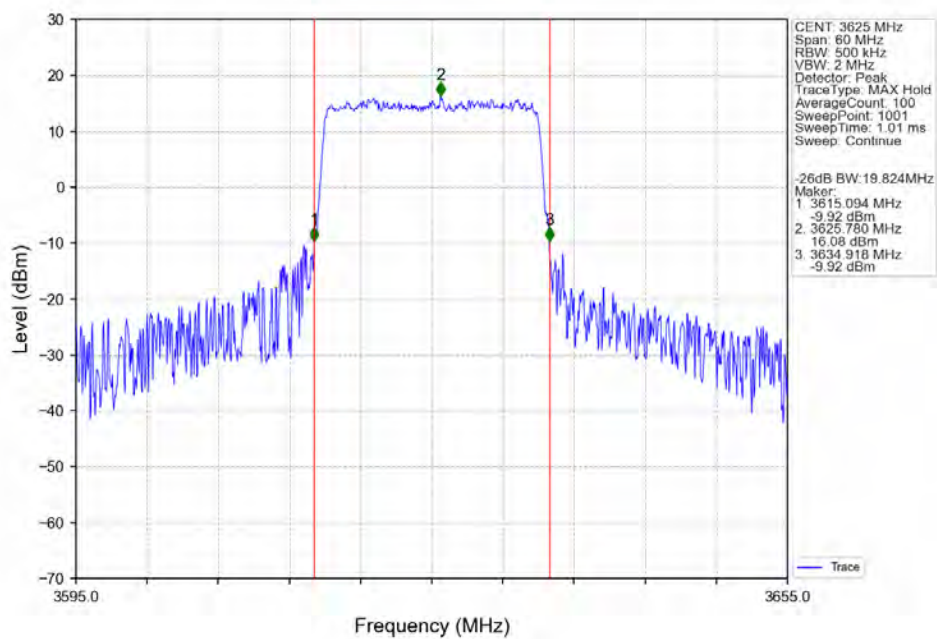
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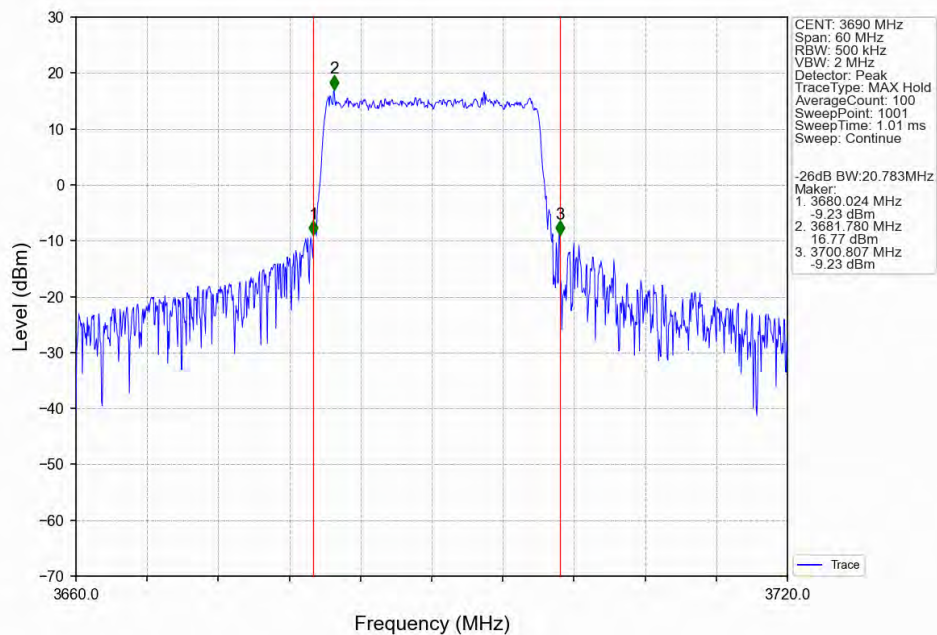
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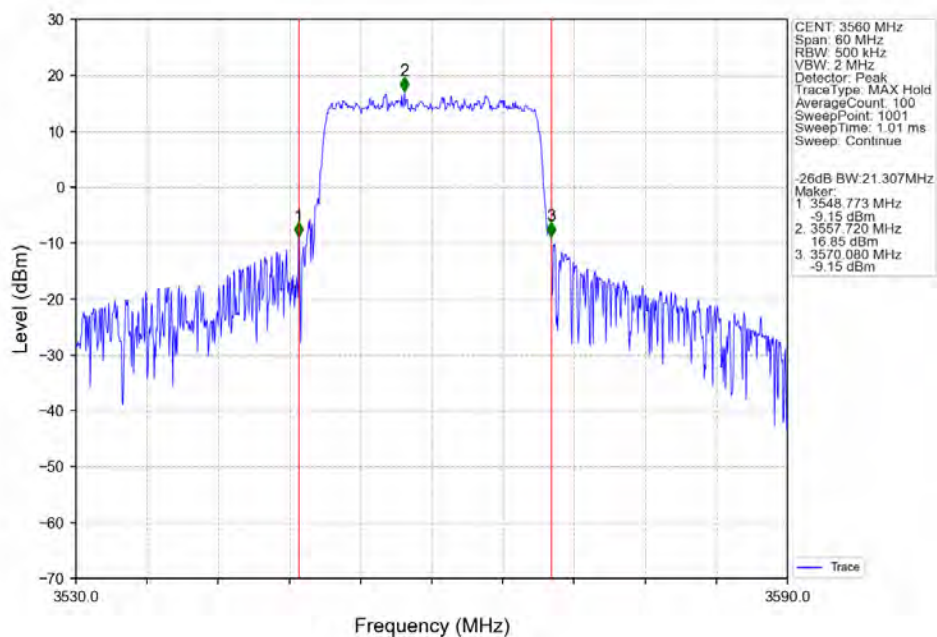
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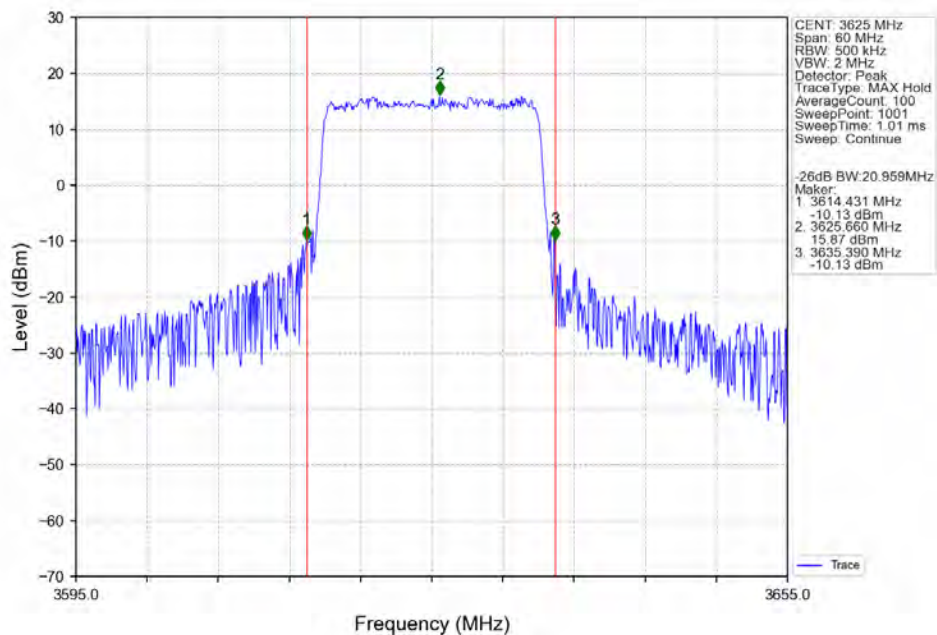
Band48 20MHz QPSK HCH 3690MHz RB 100 0 NTN



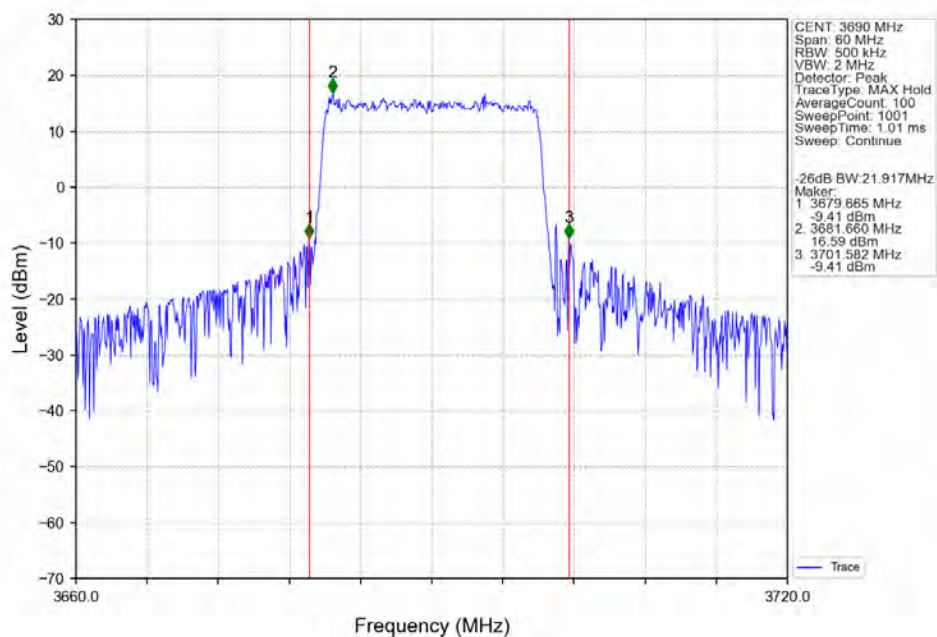
Band48 20MHz 16QAM LCH 3560MHz RB 100 0 NTN



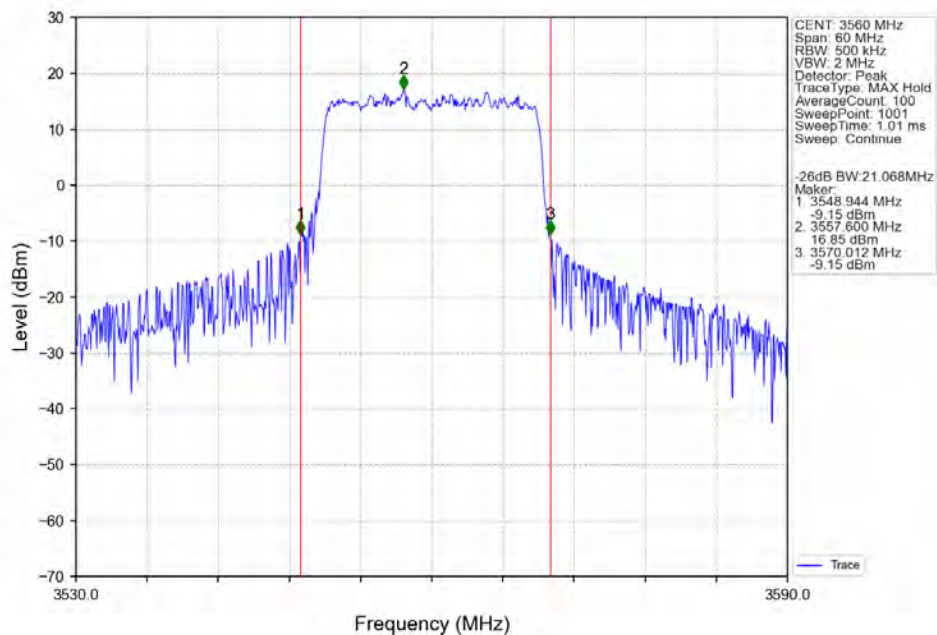
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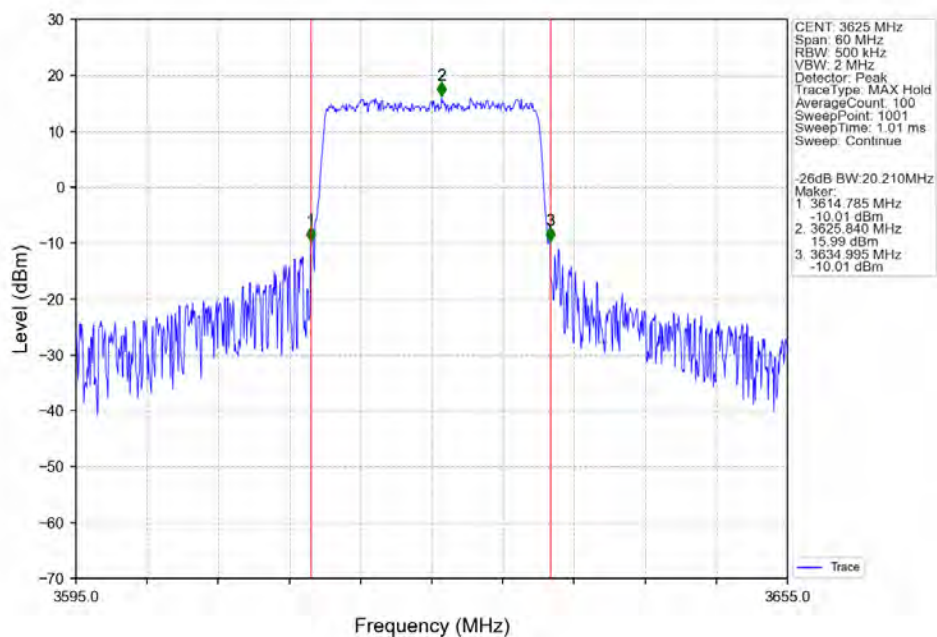
Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV



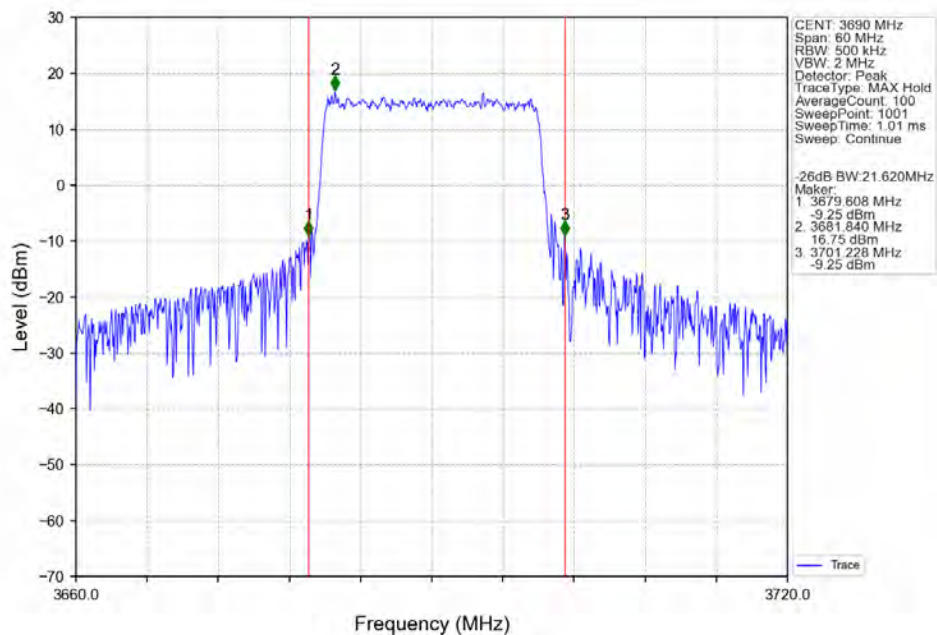
Band48_20MHz_64QAM_LCH_3560MHz_RB_100_0_NTNV



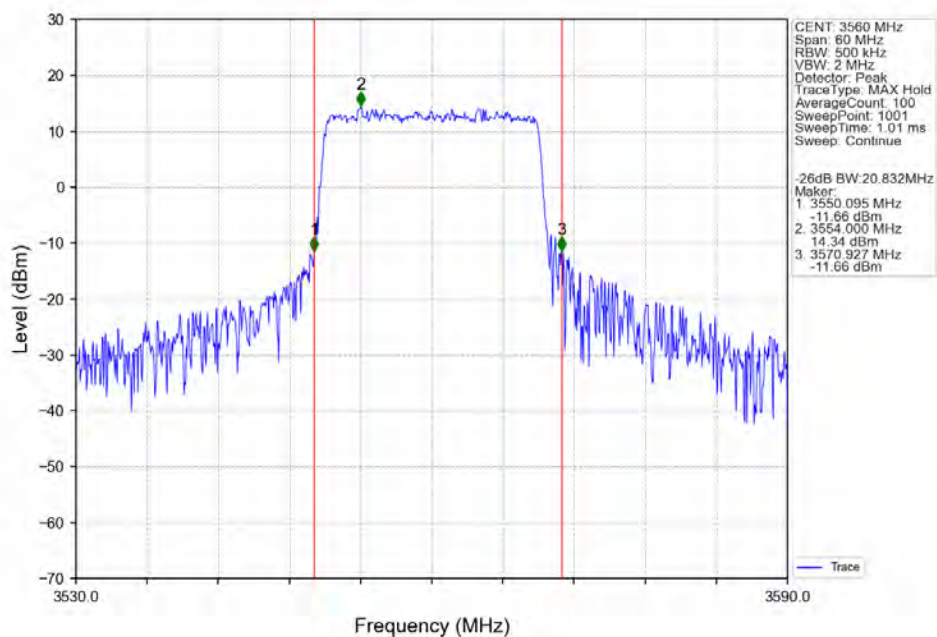
Band48_20MHz_64QAM_MCH_3625MHz_RB_100_0_NTNV



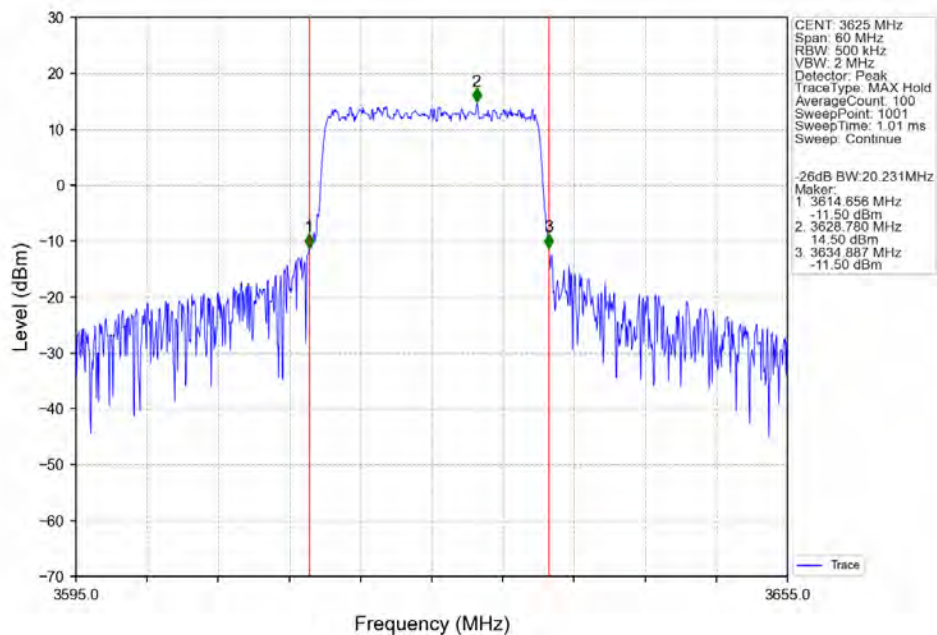
Band48_20MHz_64QAM_HCH_3690MHz_RB_100_0_NTNV



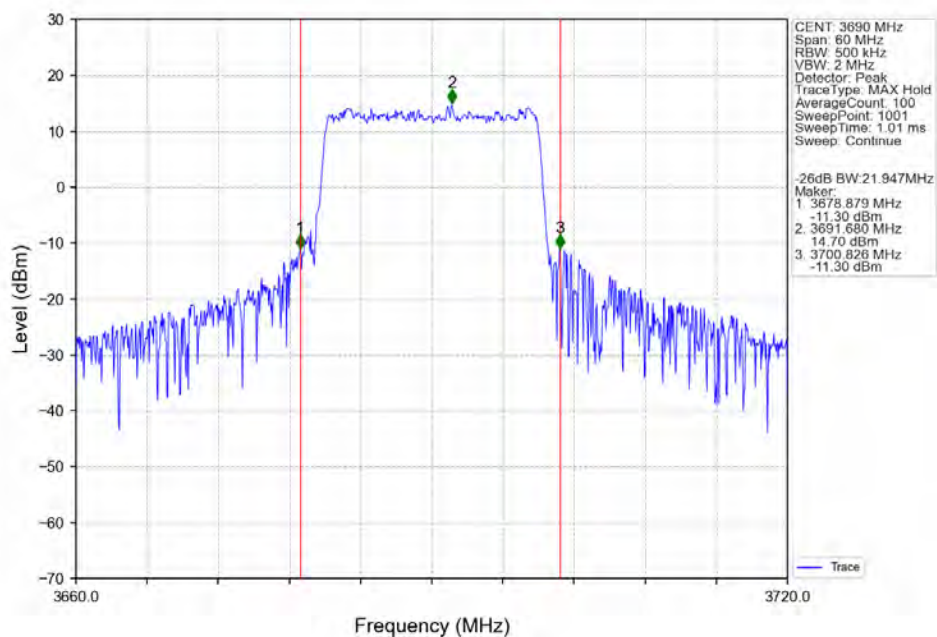
Band48_20MHz_256QAM_LCH_3560MHz_RB_100_0_NTNV



Band48_20MHz_256QAM_MCH_3625MHz_RB_100_0_NTNV



Band48_20MHz_256QAM_HCH_3690MHz_RB_100_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

4.1.1 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	8.64	<=13	Pass
	3625	25	0	10.04	<=13	Pass
	3697.5	25	0	10.02	<=13	Pass
16QAM	3552.5	25	0	8.54	<=13	Pass
	3625	25	0	10.04	<=13	Pass
	3697.5	25	0	10.02	<=13	Pass
64QAM	3552.5	25	0	8.64	<=13	Pass
	3625	25	0	10.04	<=13	Pass
	3697.5	25	0	10.02	<=13	Pass
256QAM	3552.5	25	0	10.24	<=13	Pass
	3625	25	0	10.16	<=13	Pass
	3697.5	25	0	10.26	<=13	Pass

4.1.2 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	9.98	<=13	Pass
	3625	50	0	10.08	<=13	Pass
	3695	50	0	10.10	<=13	Pass
16QAM	3555	50	0	10.00	<=13	Pass
	3625	50	0	9.98	<=13	Pass
	3695	50	0	10.08	<=13	Pass
64QAM	3555	50	0	9.98	<=13	Pass
	3625	50	0	9.98	<=13	Pass
	3695	50	0	10.10	<=13	Pass
256QAM	3555	50	0	10.12	<=13	Pass
	3625	50	0	10.10	<=13	Pass
	3695	50	0	10.22	<=13	Pass

4.1.3 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	9.94	<=13	Pass
	3625	75	0	10.10	<=13	Pass
	3692.5	75	0	10.30	<=13	Pass
16QAM	3557.5	75	0	10.08	<=13	Pass
	3625	75	0	10.16	<=13	Pass
	3692.5	75	0	10.16	<=13	Pass
64QAM	3557.5	75	0	10.04	<=13	Pass

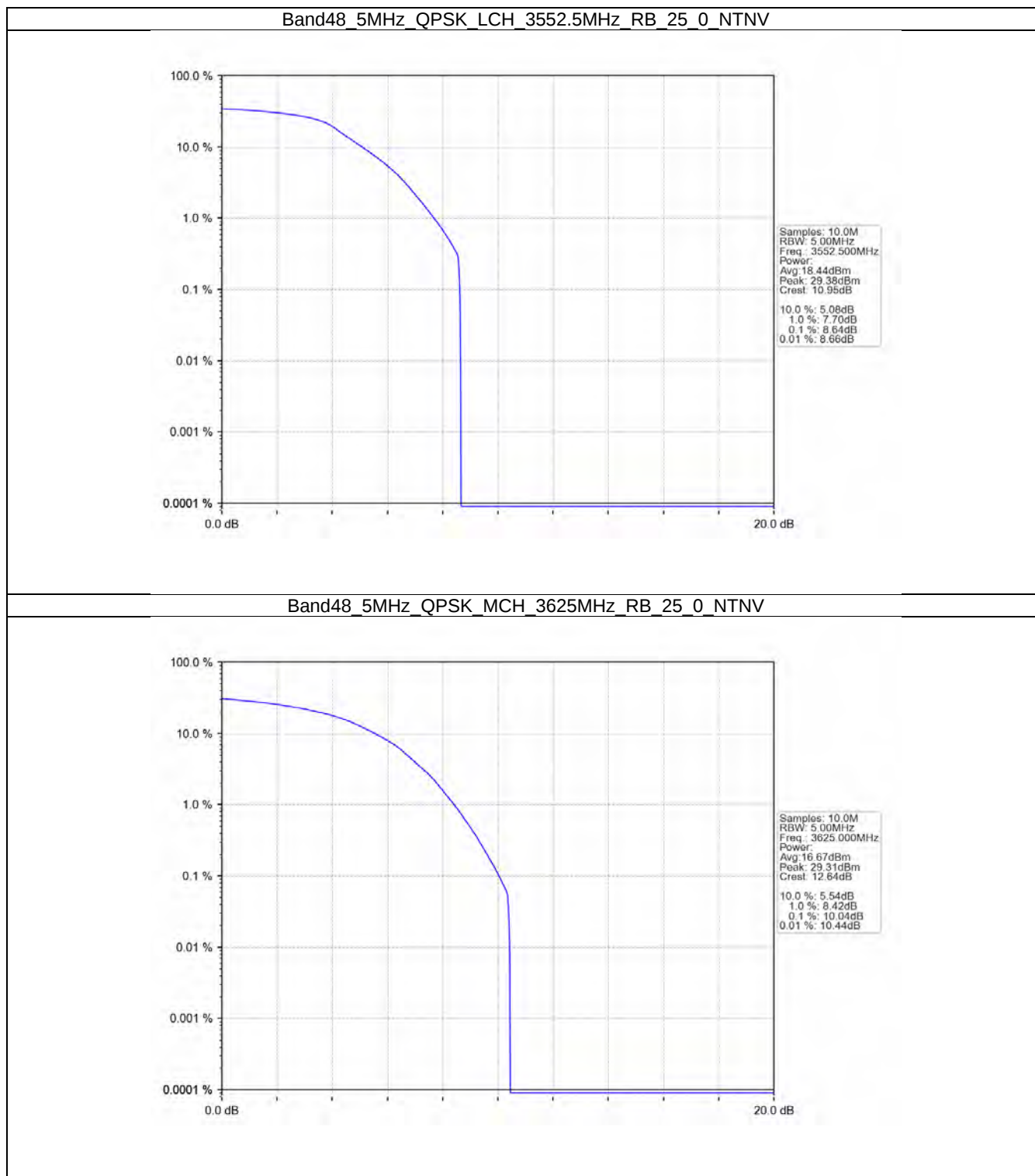
256QAM	3625	75	0	10.26	<=13	Pass
	3692.5	75	0	9.96	<=13	Pass
	3557.5	75	0	10.06	<=13	Pass
	3625	75	0	10.36	<=13	Pass
	3692.5	75	0	10.20	<=13	Pass

4.1.4 B48_20MHz

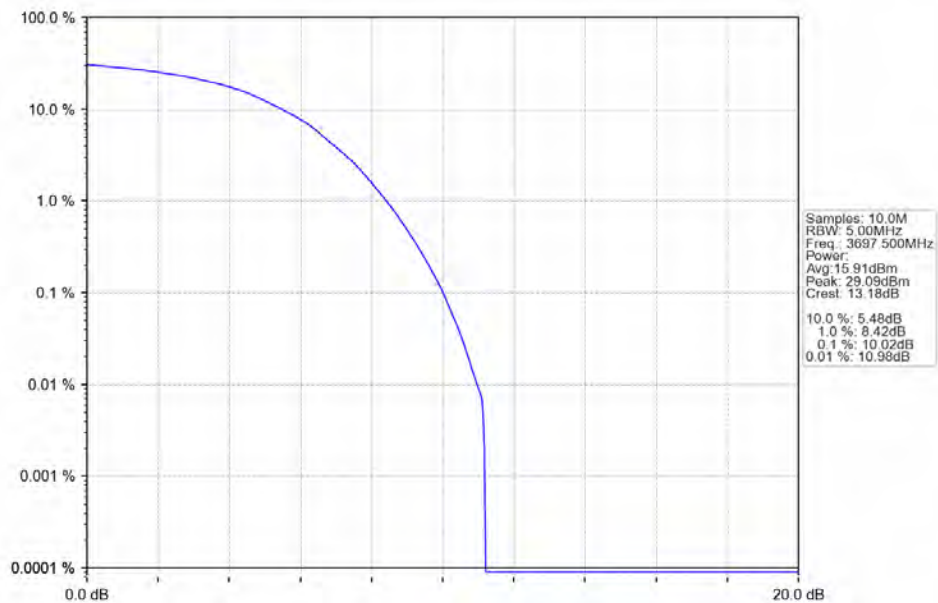
Band: 48 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	100	0	10.14	<=13	Pass
	3625	100	0	10.18	<=13	Pass
	3690	100	0	10.14	<=13	Pass
16QAM	3560	100	0	10.00	<=13	Pass
	3625	100	0	10.06	<=13	Pass
	3690	100	0	9.96	<=13	Pass
64QAM	3560	100	0	9.78	<=13	Pass
	3625	100	0	10.10	<=13	Pass
	3690	100	0	10.18	<=13	Pass
256QAM	3560	100	0	10.36	<=13	Pass
	3625	100	0	10.00	<=13	Pass
	3690	100	0	10.30	<=13	Pass

4.2 Test Graph

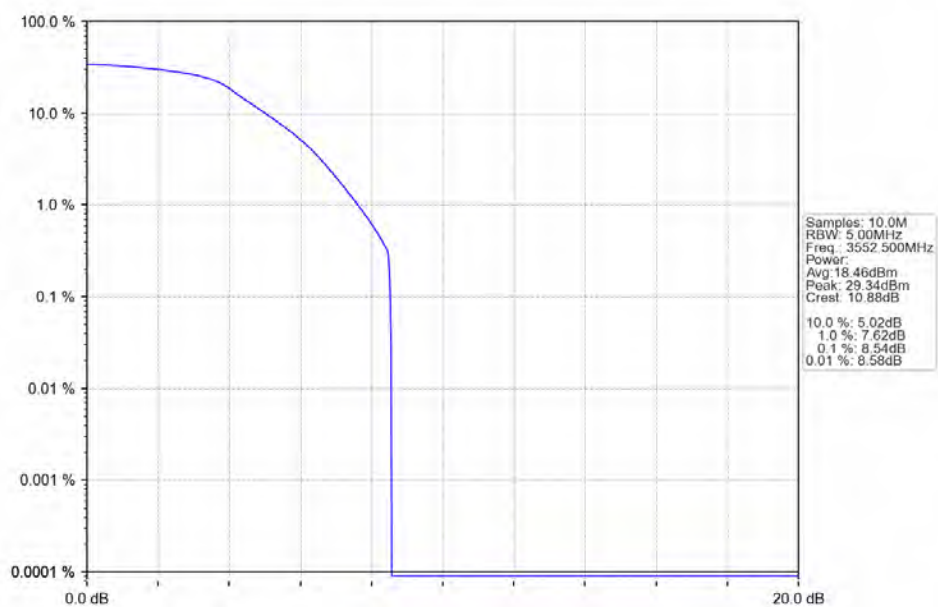
4.2.1 B48_5MHz



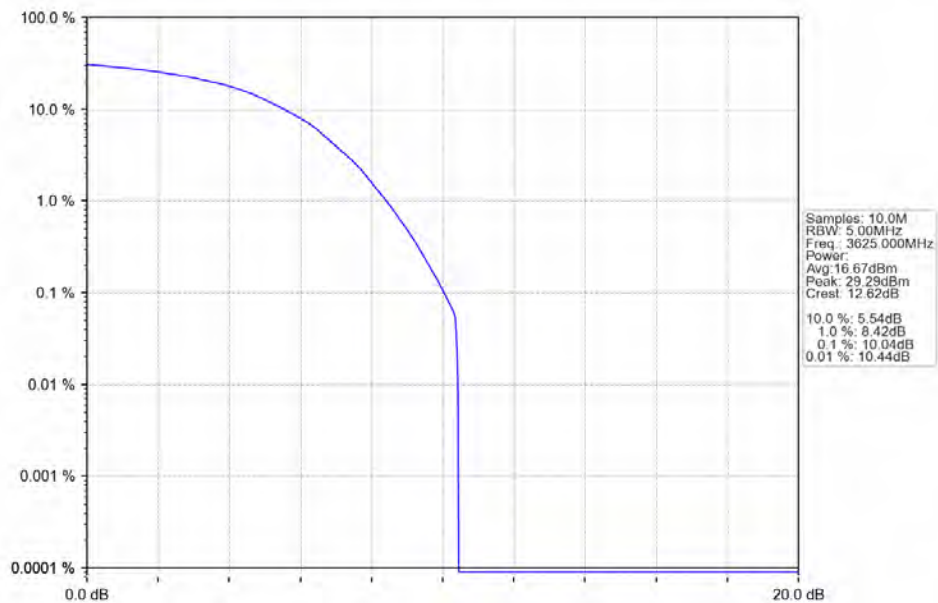
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



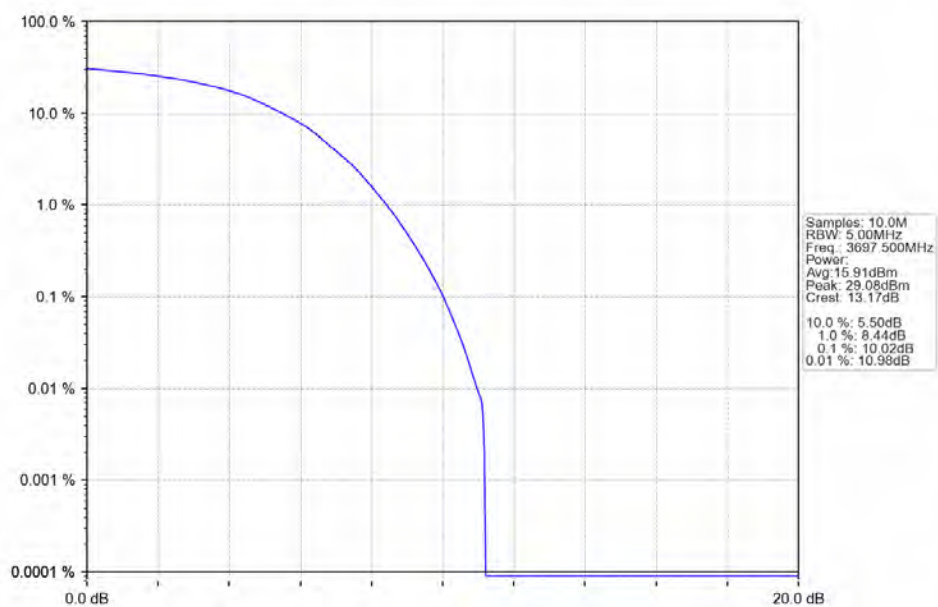
Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



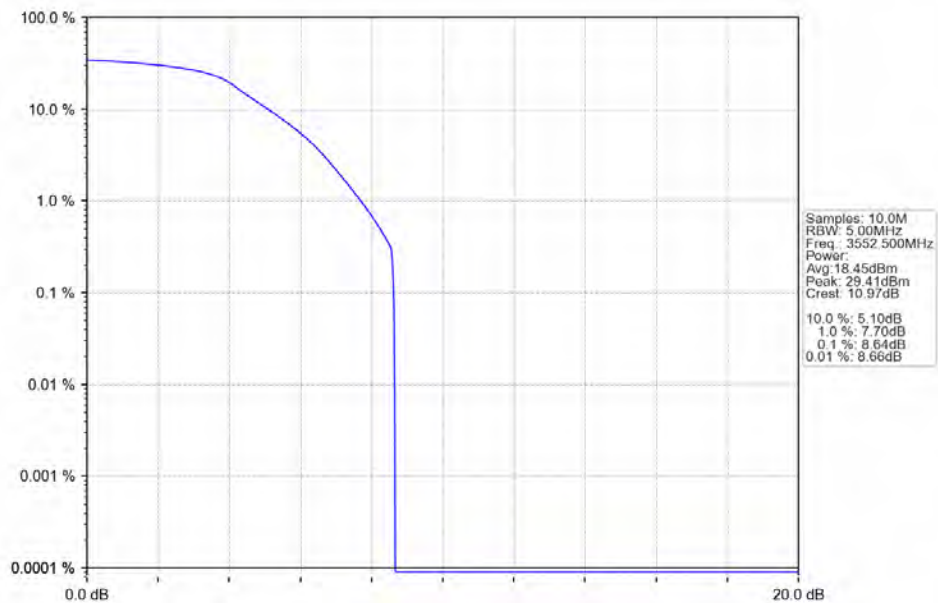
Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV



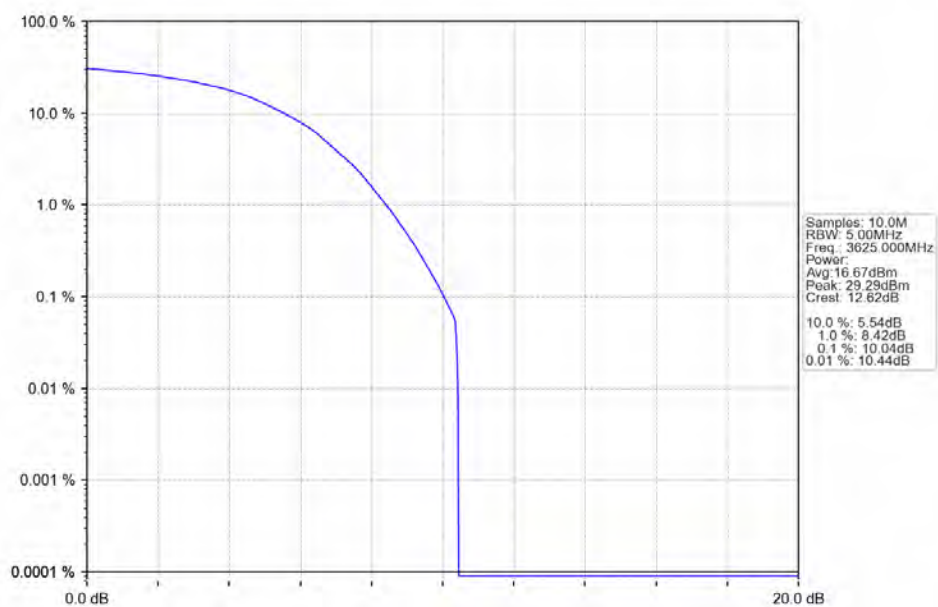
Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV



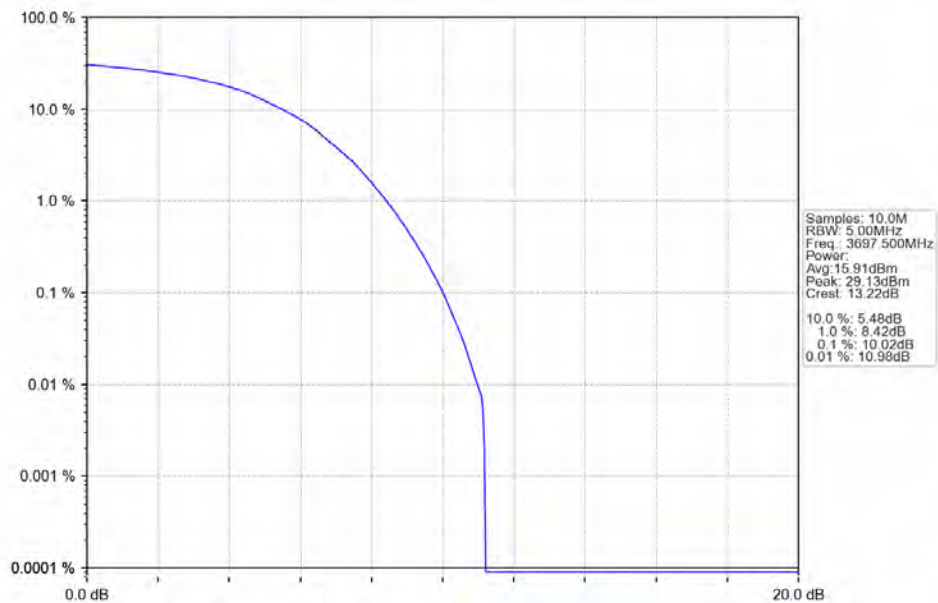
Band48 5MHz 64QAM LCH 3552.5MHz RB 25 0 NTNV



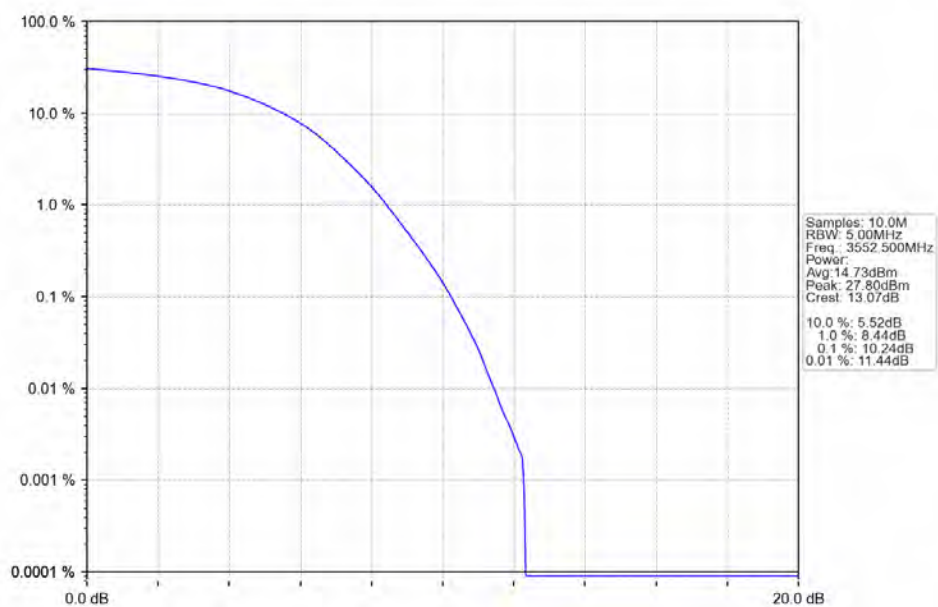
Band48 5MHz 64QAM MCH 3625MHz RB 25 0 NTNV



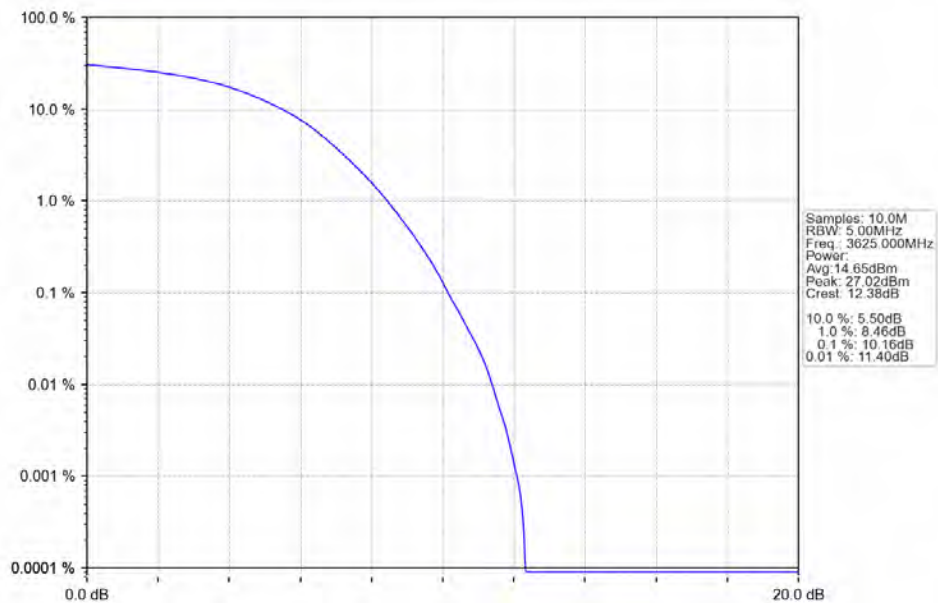
Band48_5MHz_64QAM_HCH_3697.5MHz_RB_25_0_NTNV



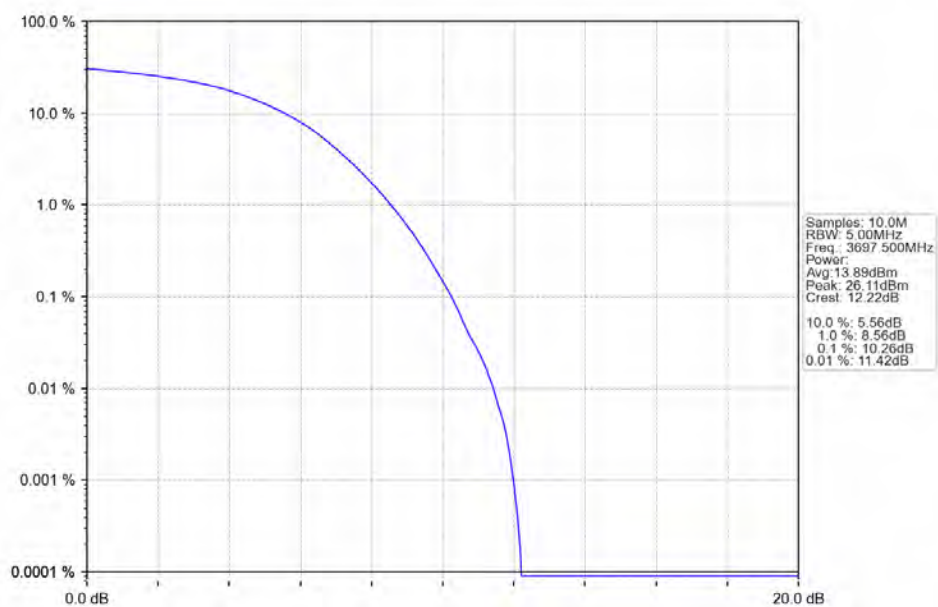
Band48_5MHz_256QAM_LCH_3552.5MHz_RB_25_0_NTNV



Band48 5MHz 256QAM MCH 3625MHz RB 25 0 NTNV

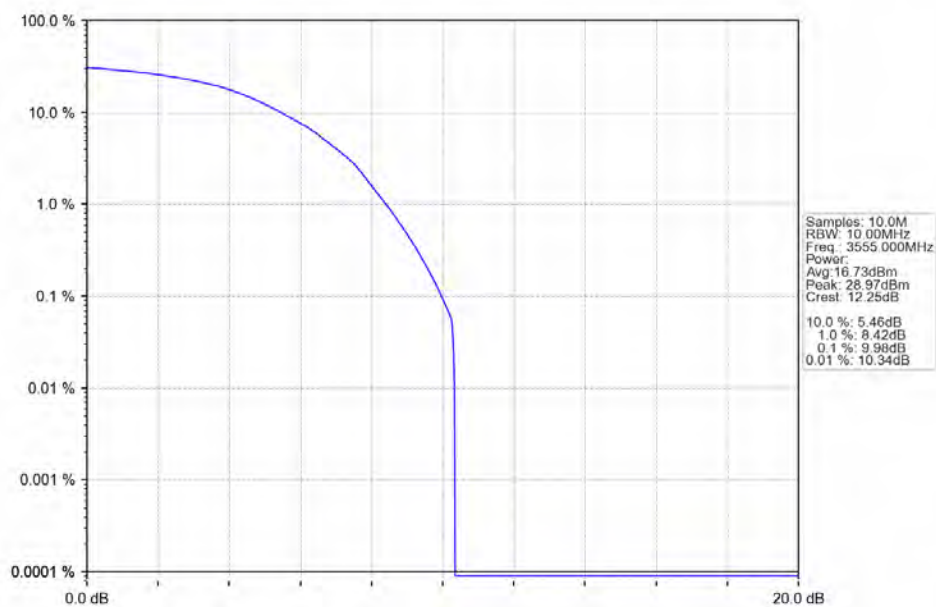


Band48 5MHz 256QAM HCH 3697.5MHz RB 25 0 NTNV

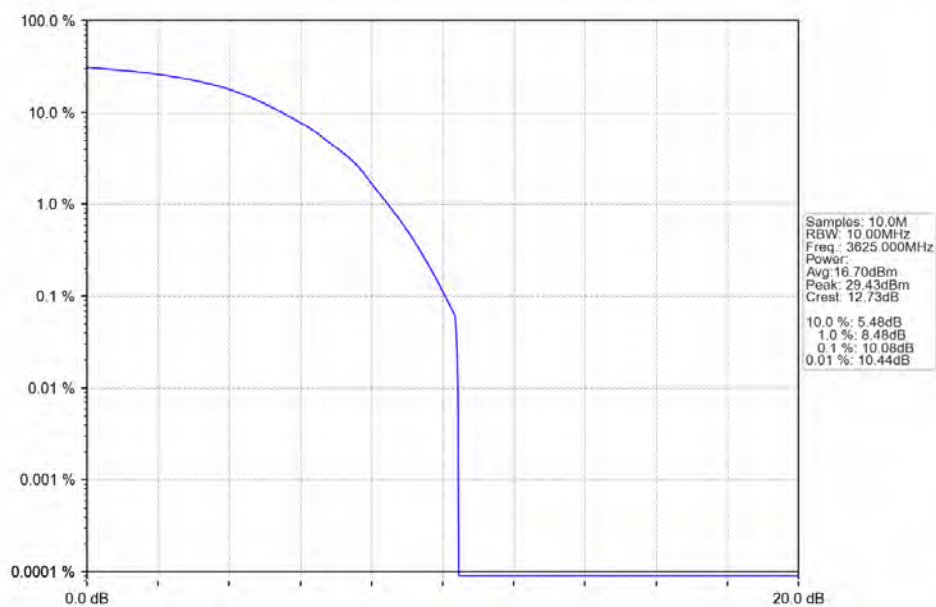


4.2.2 B48_10MHz

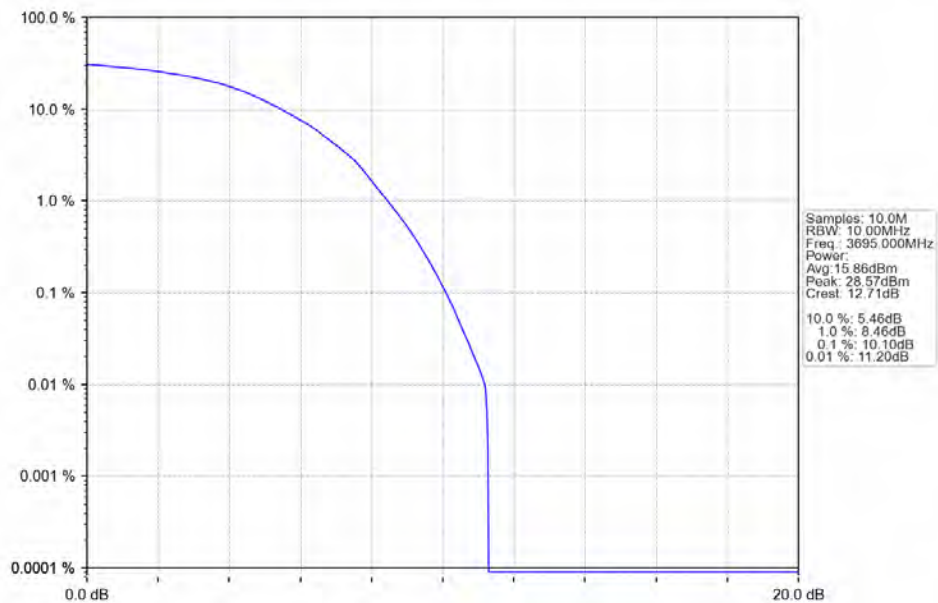
Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV



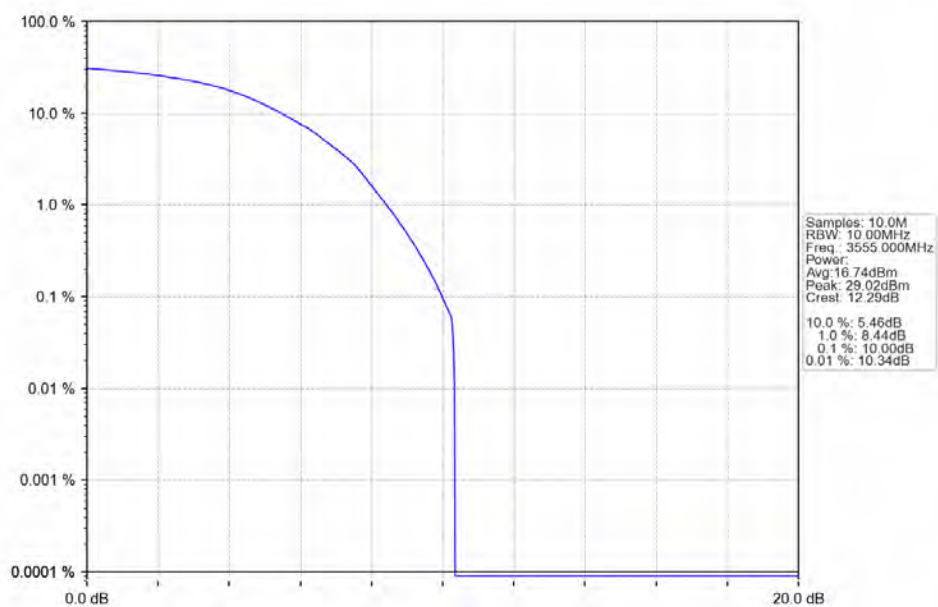
Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



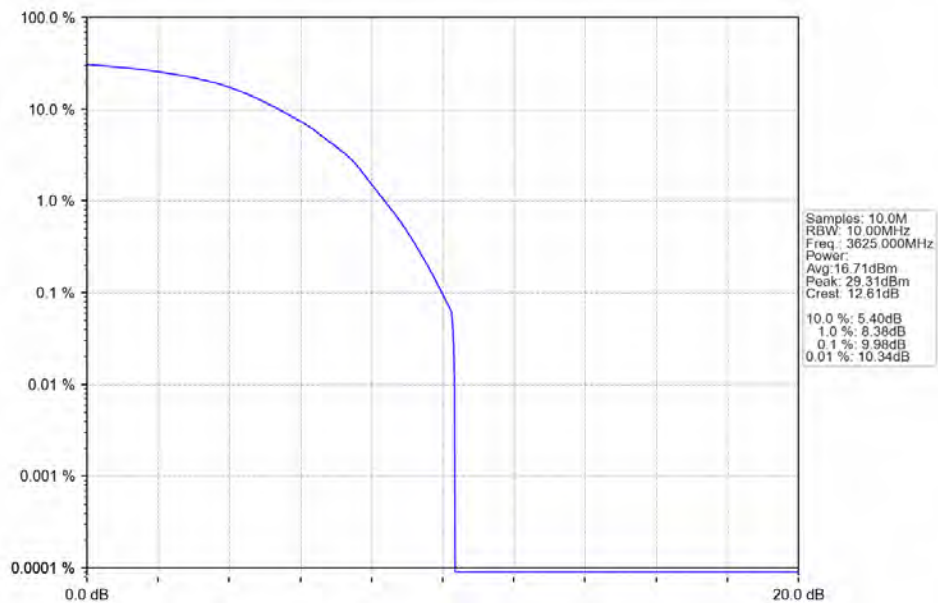
Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



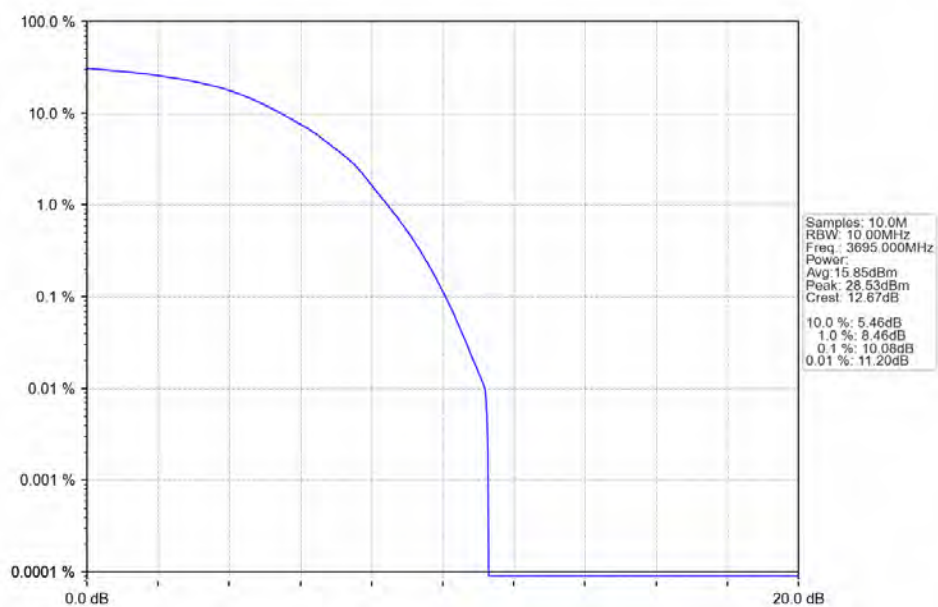
Band48_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV



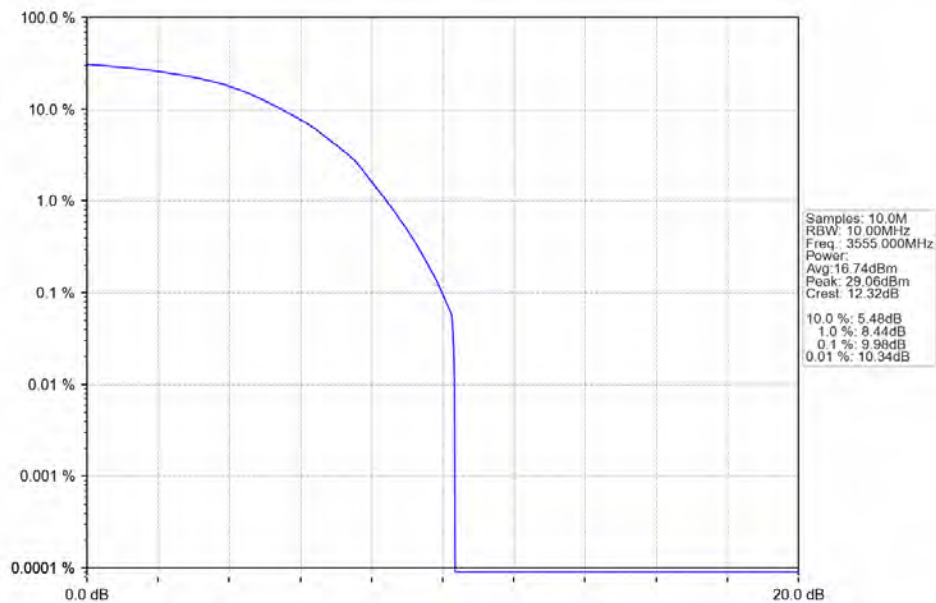
Band48 10MHz 16QAM MCH 3625MHz RB 50 0 NTNV



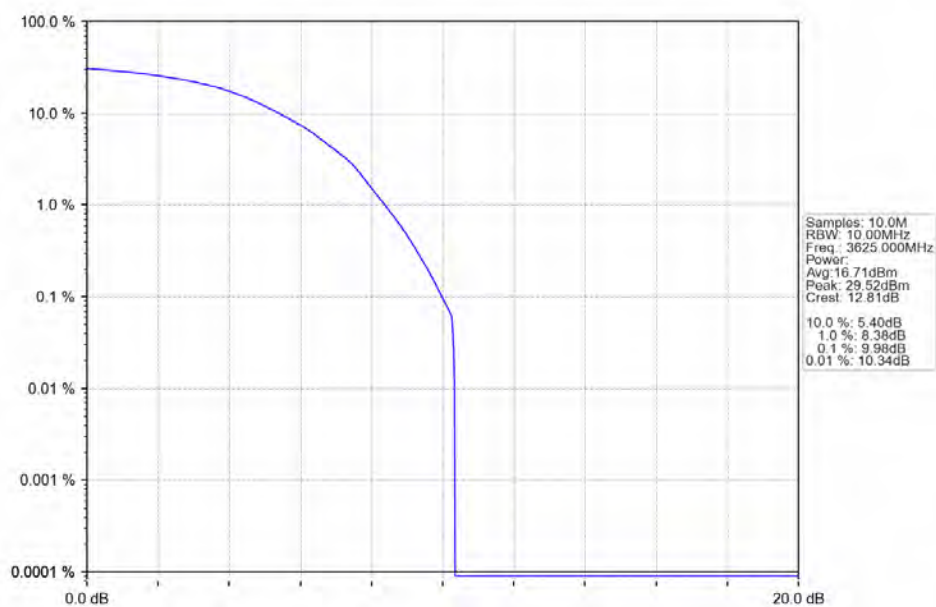
Band48 10MHz 16QAM HCH 3695MHz RB 50 0 NTNV



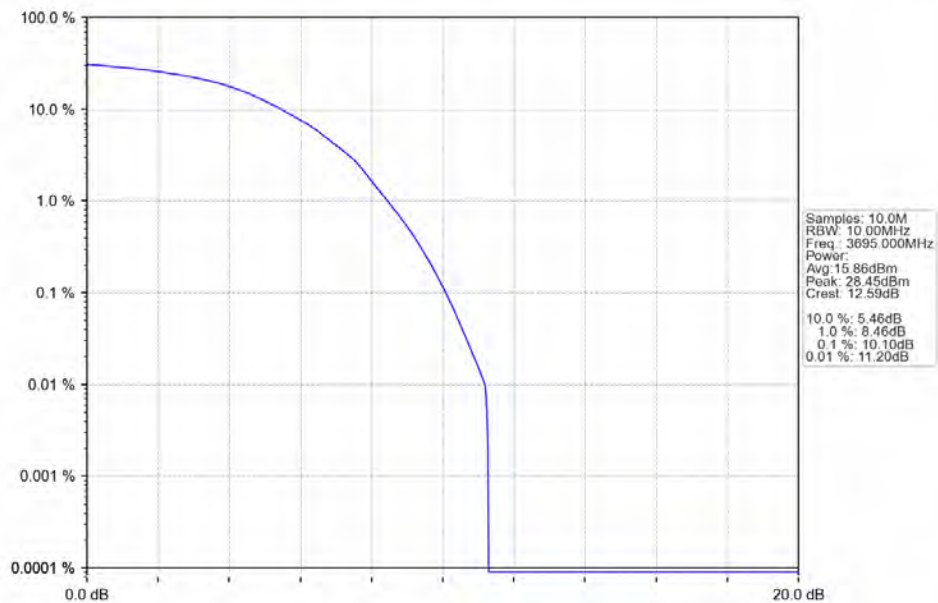
Band48_10MHz_64QAM_LCH_3555MHz_RB_50_0_NTNV



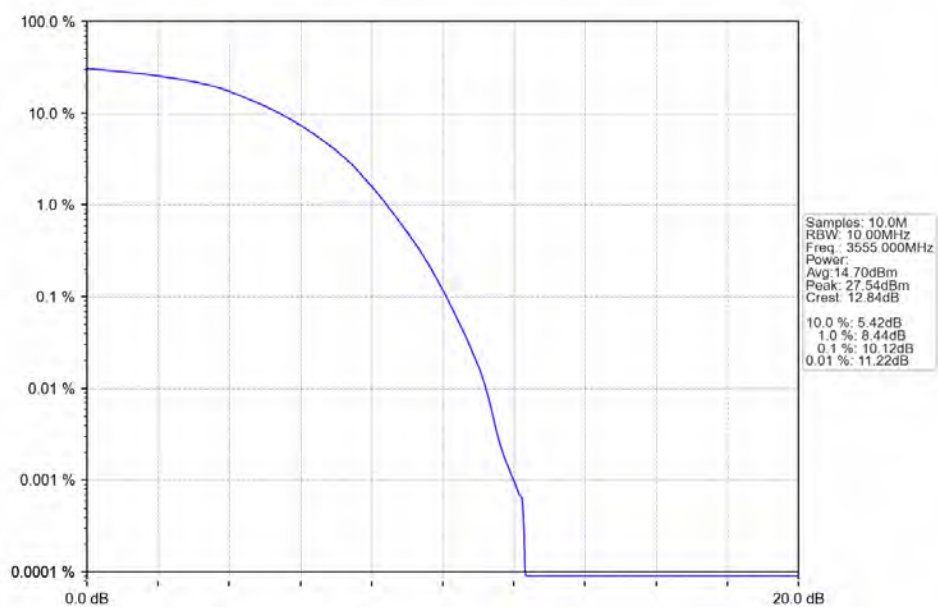
Band48_10MHz_64QAM_MCH_3625MHz_RB_50_0_NTNV



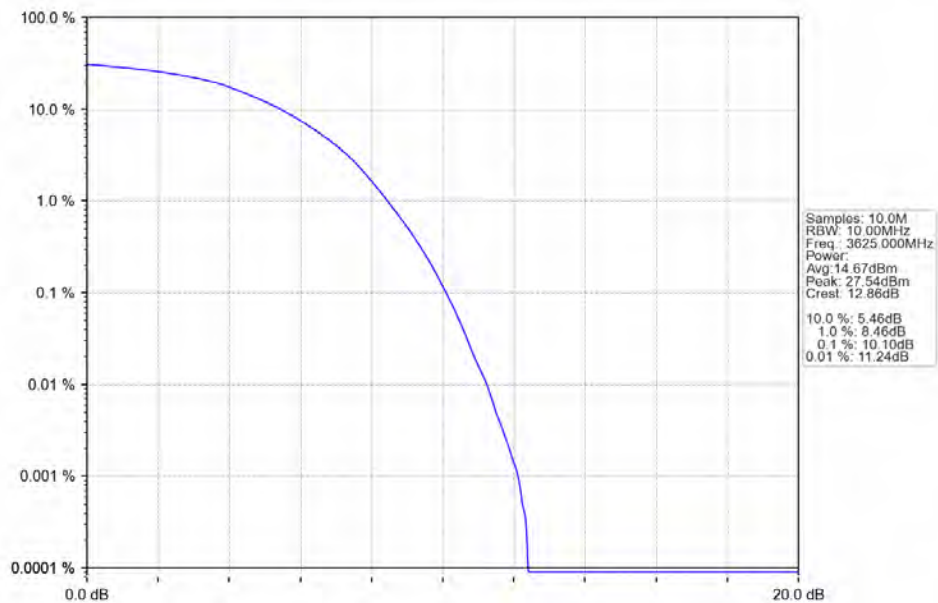
Band48_10MHz_64QAM_HCH_3695MHz_RB_50_0_NTNV



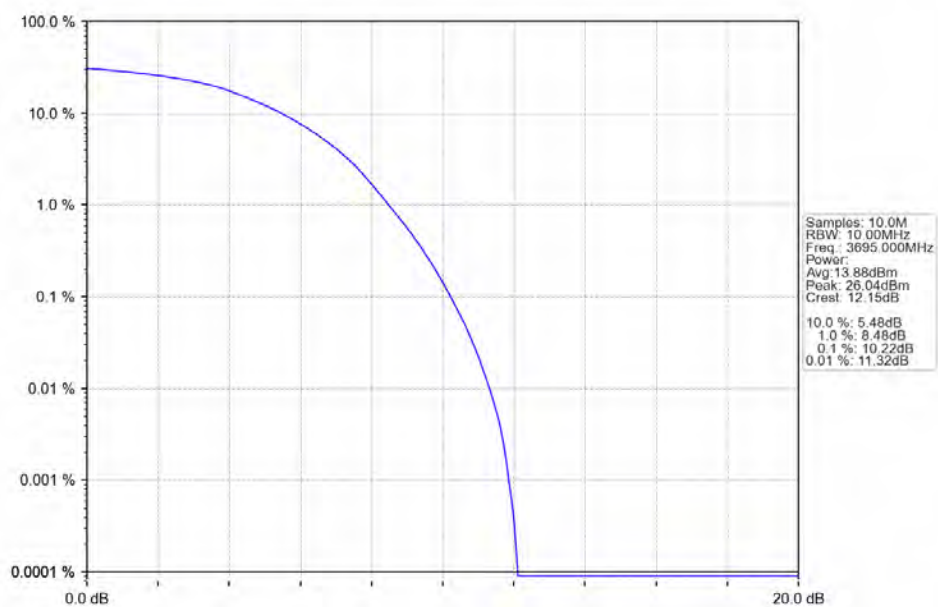
Band48_10MHz_256QAM_LCH_3555MHz_RB_50_0_NTNV



Band48_10MHz_256QAM_MCH_3625MHz_RB_50_0_NTNV

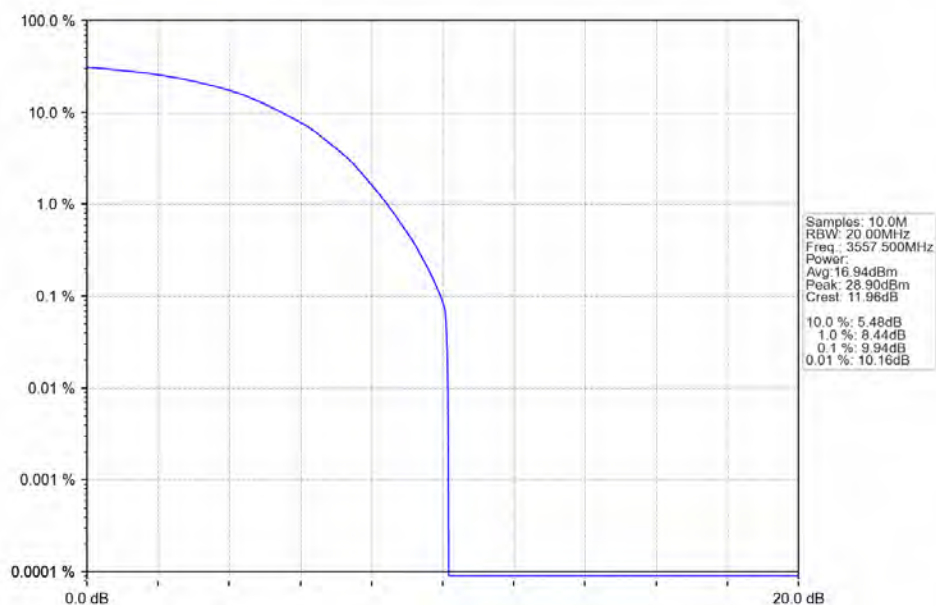


Band48_10MHz_256QAM_HCH_3695MHz_RB_50_0_NTNV

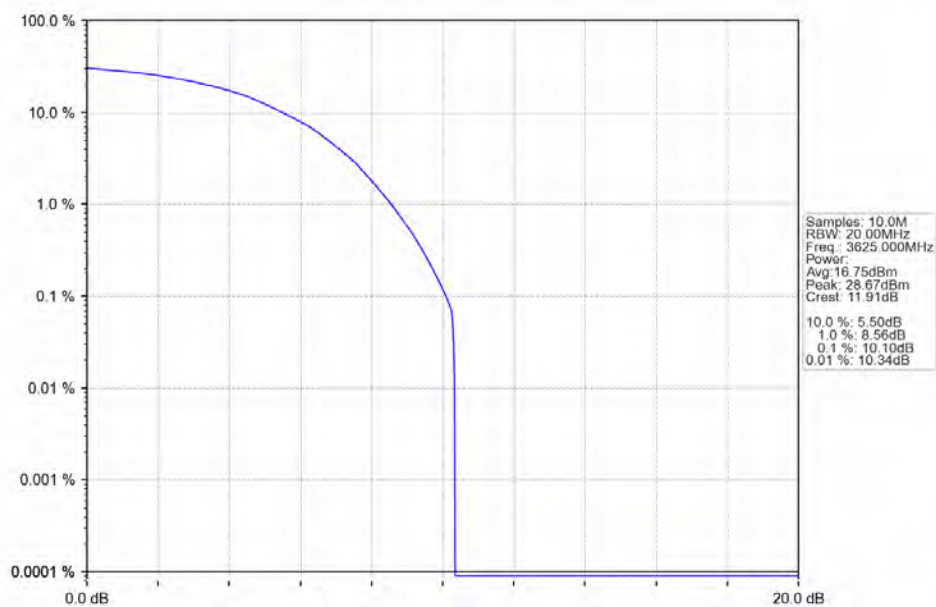


4.2.3 B48_15MHz

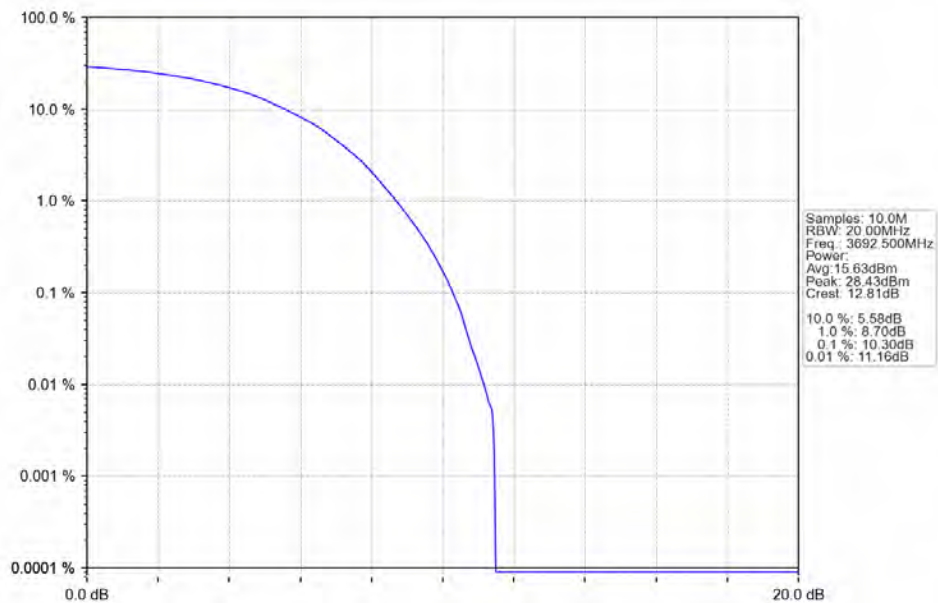
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV



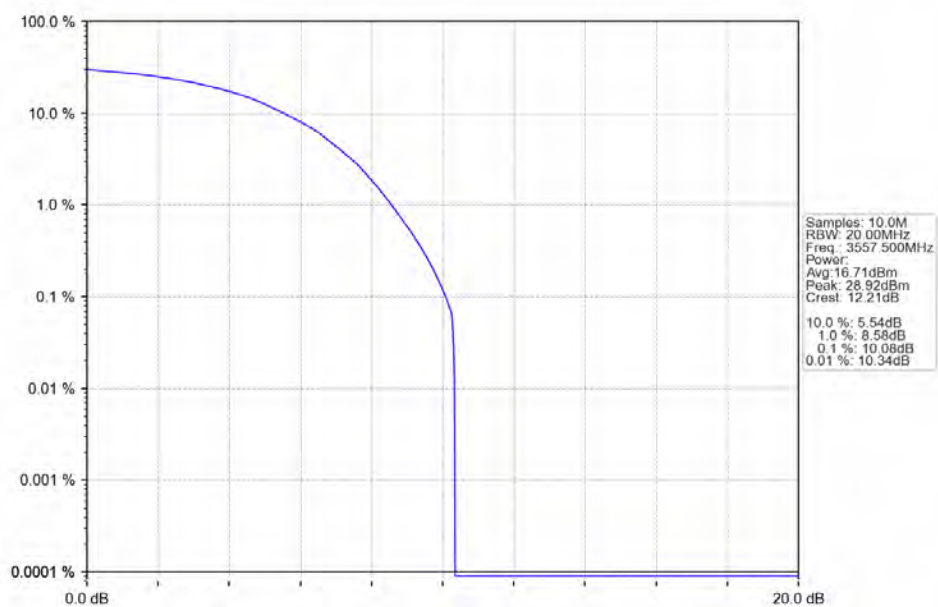
Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV



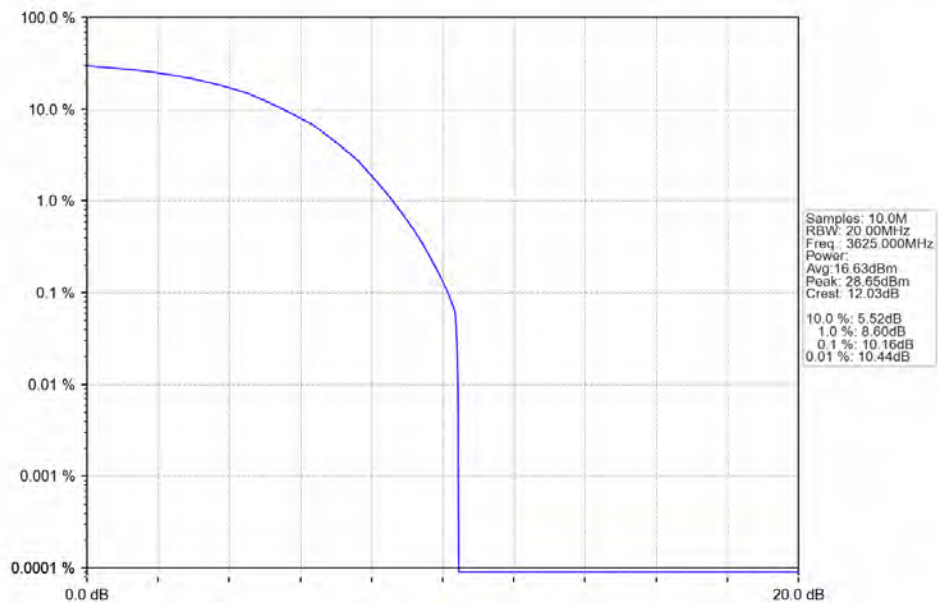
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



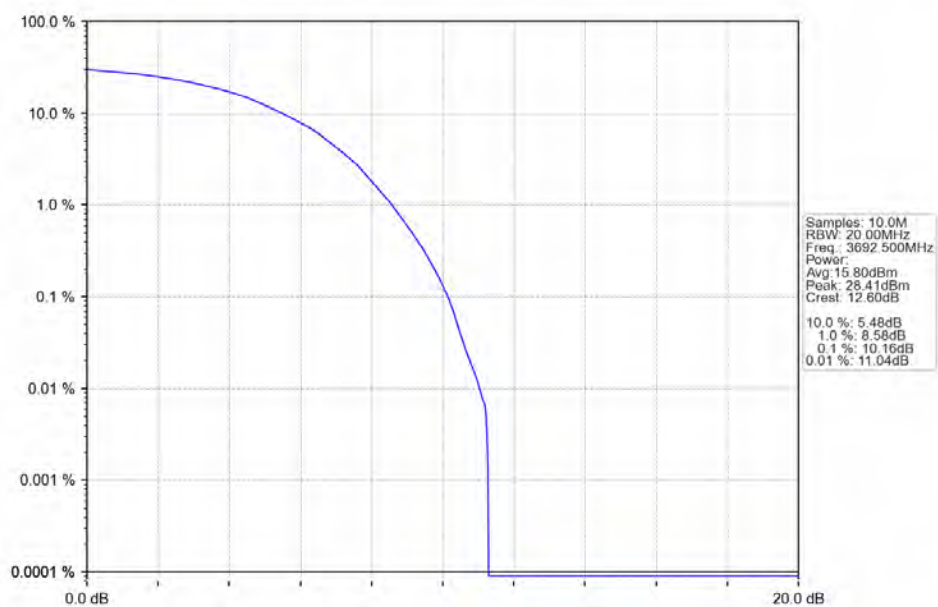
Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV



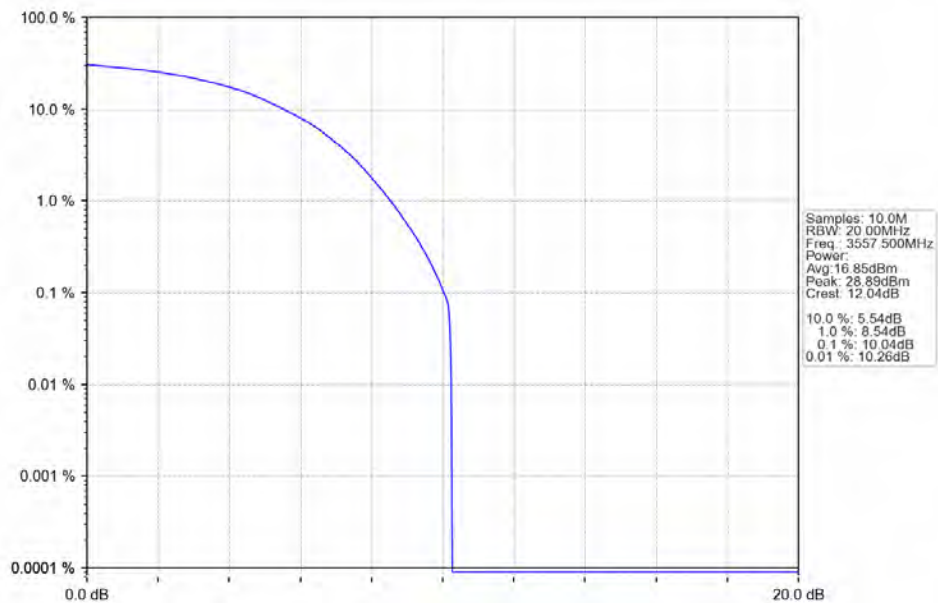
Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV



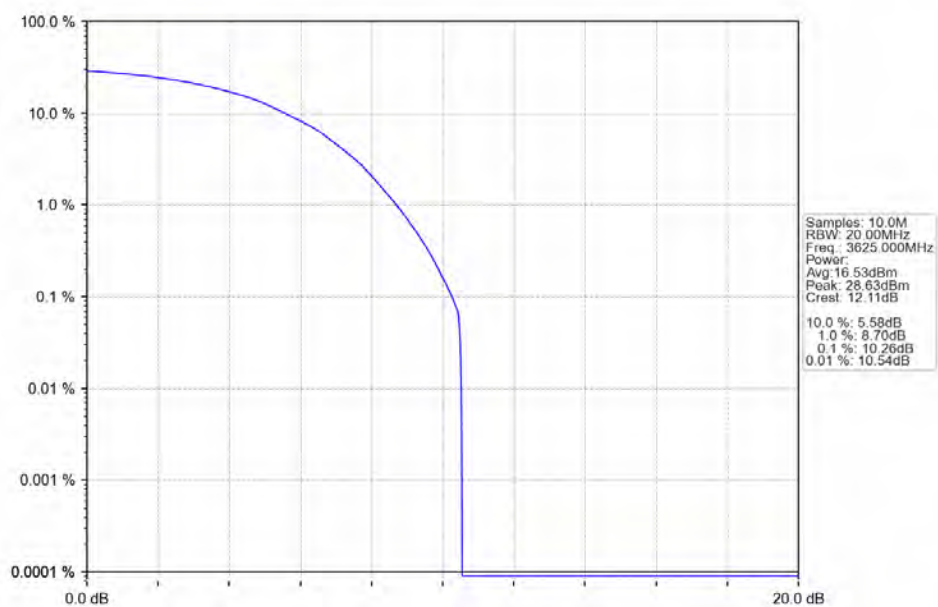
Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV



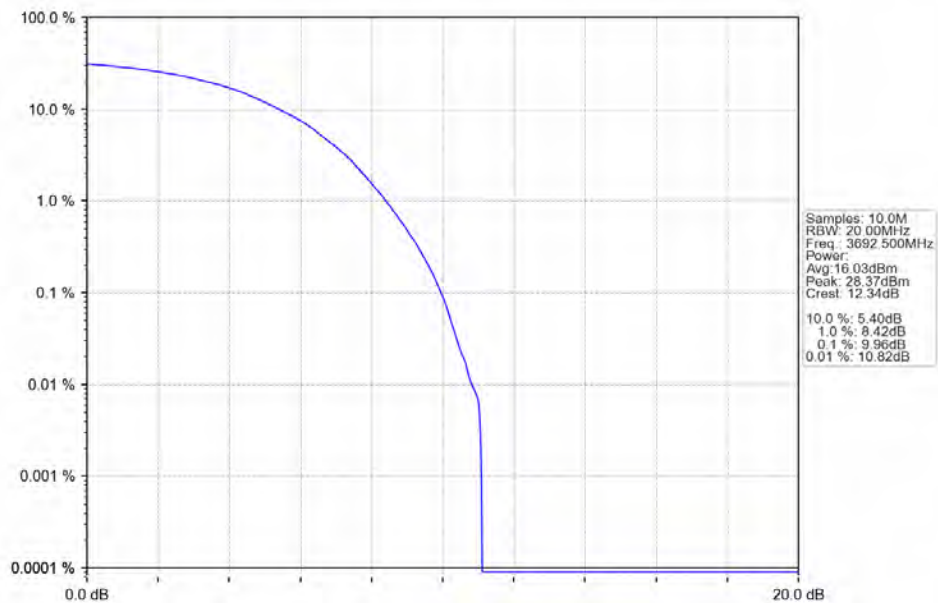
Band48_15MHz_64QAM_LCH_3557.5MHz_RB_75_0_NTNV



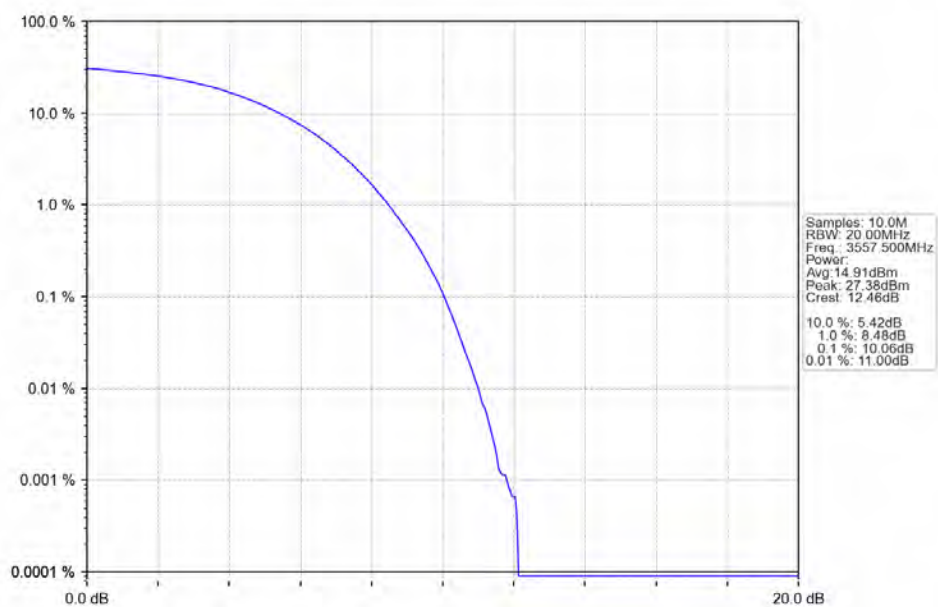
Band48_15MHz_64QAM_MCH_3625MHz_RB_75_0_NTNV



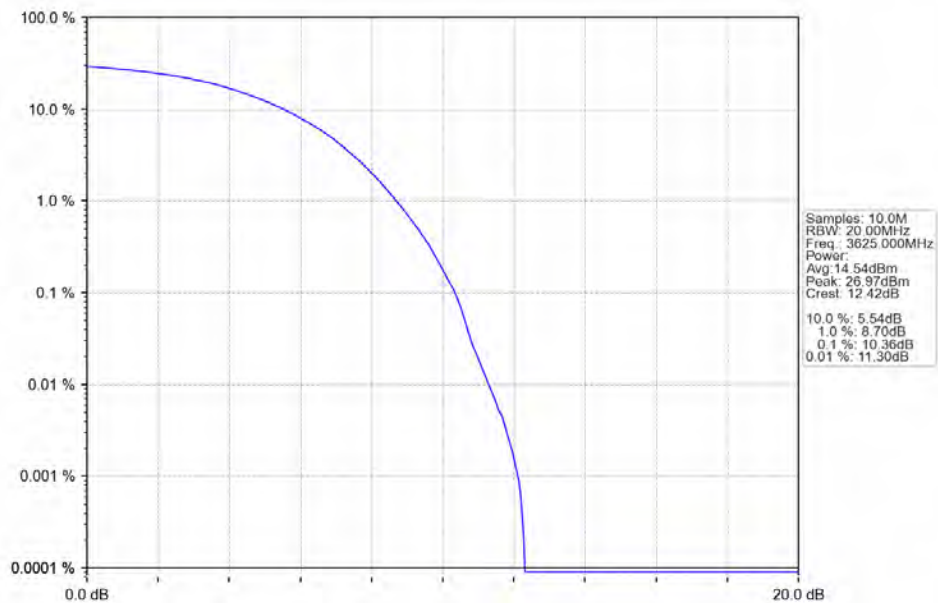
Band48_15MHz_64QAM_HCH_3692.5MHz_RB_75_0_NTNV



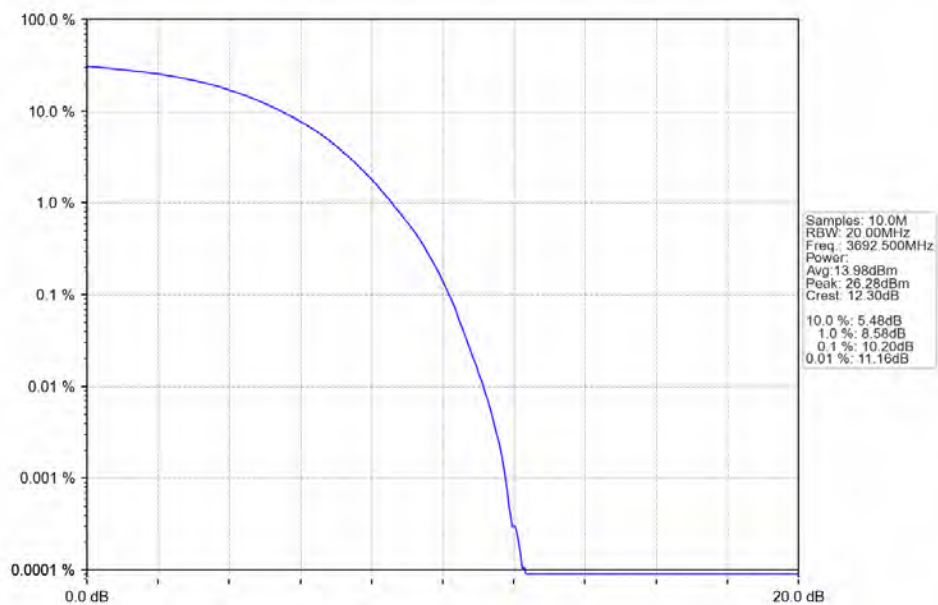
Band48_15MHz_256QAM_LCH_3557.5MHz_RB_75_0_NTNV



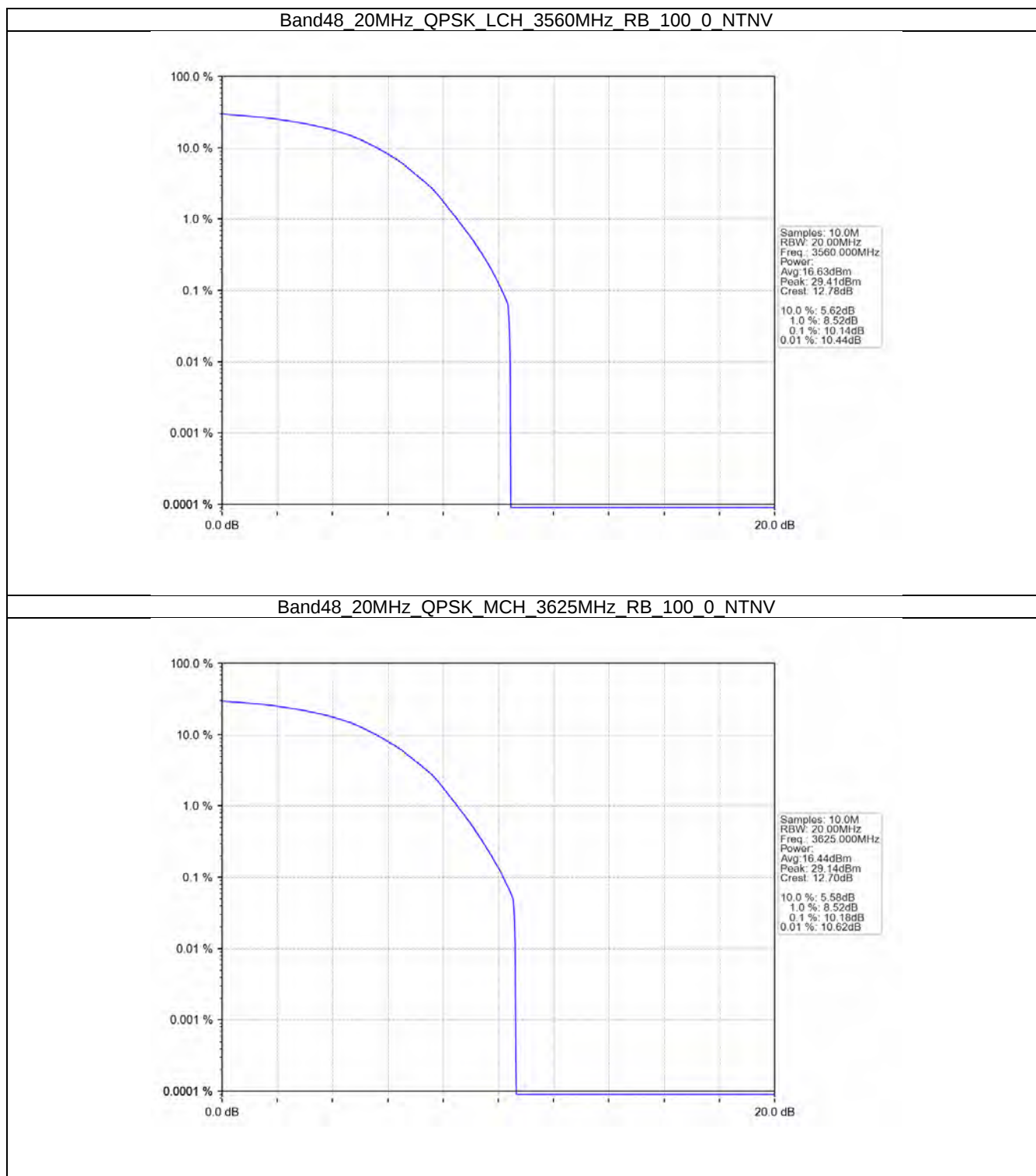
Band48_15MHz_256QAM_MCH_3625MHz_RB_75_0_NTNV



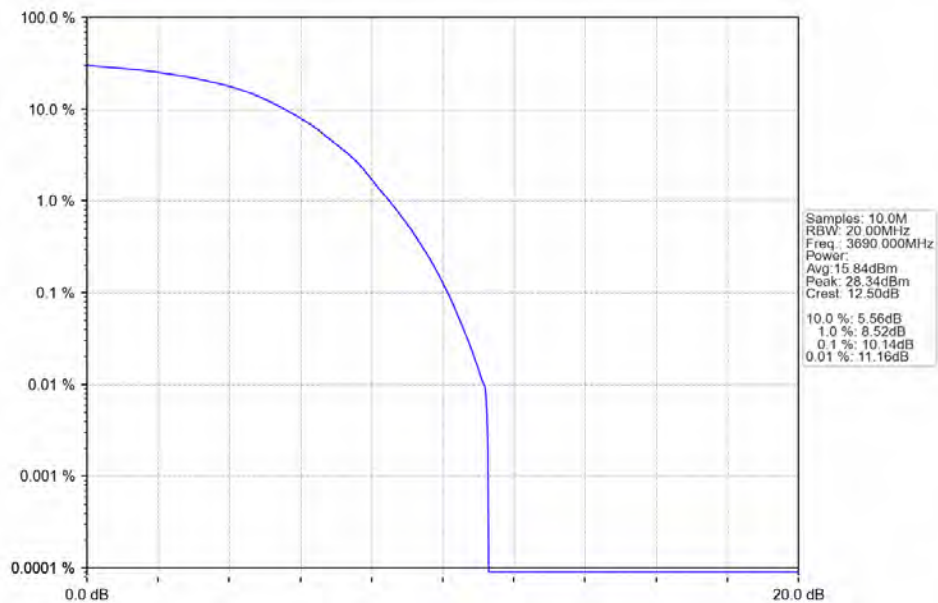
Band48_15MHz_256QAM_HCH_3692.5MHz_RB_75_0_NTNV



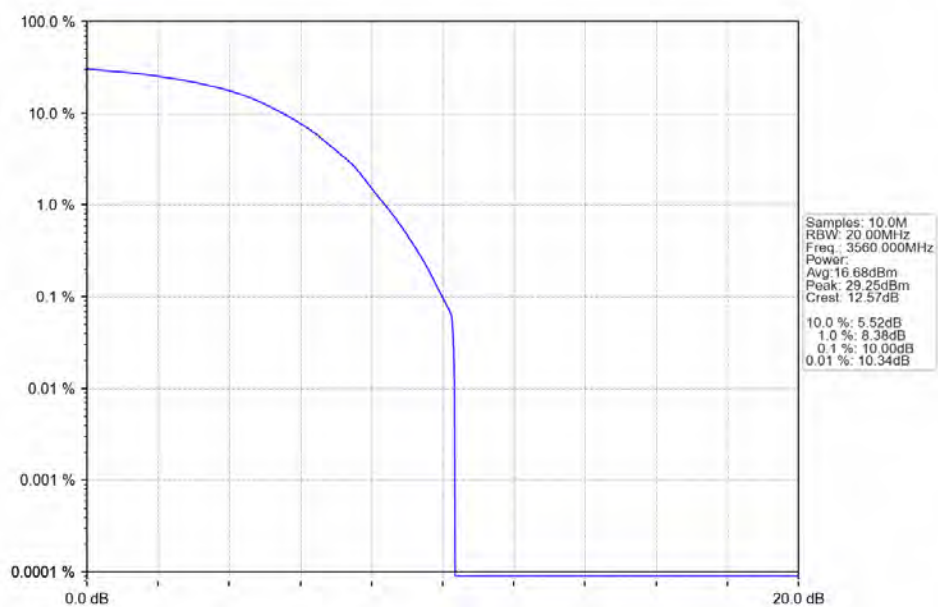
4.2.4 B48_20MHz



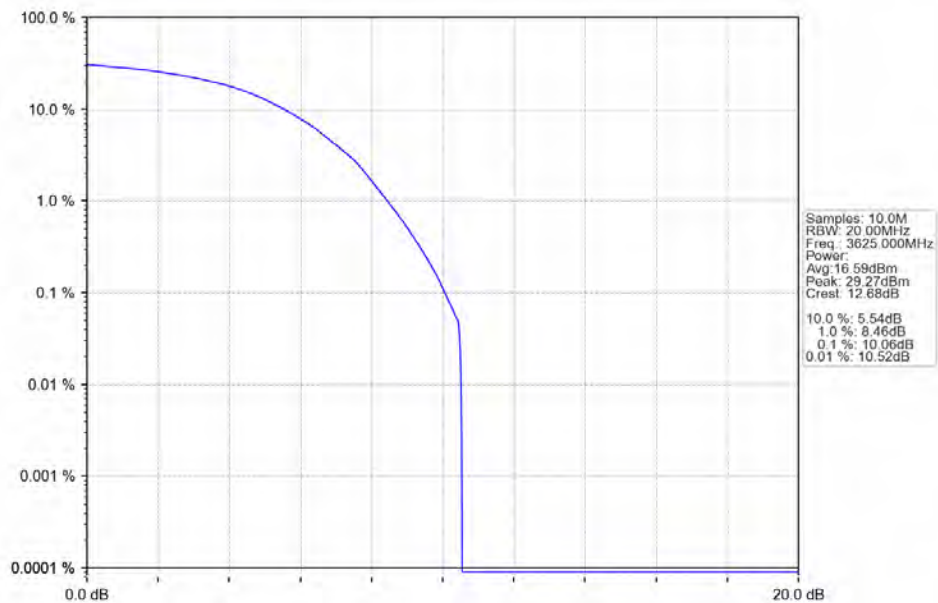
Band48 20MHz QPSK HCH 3690MHz RB 100 0 NTNV



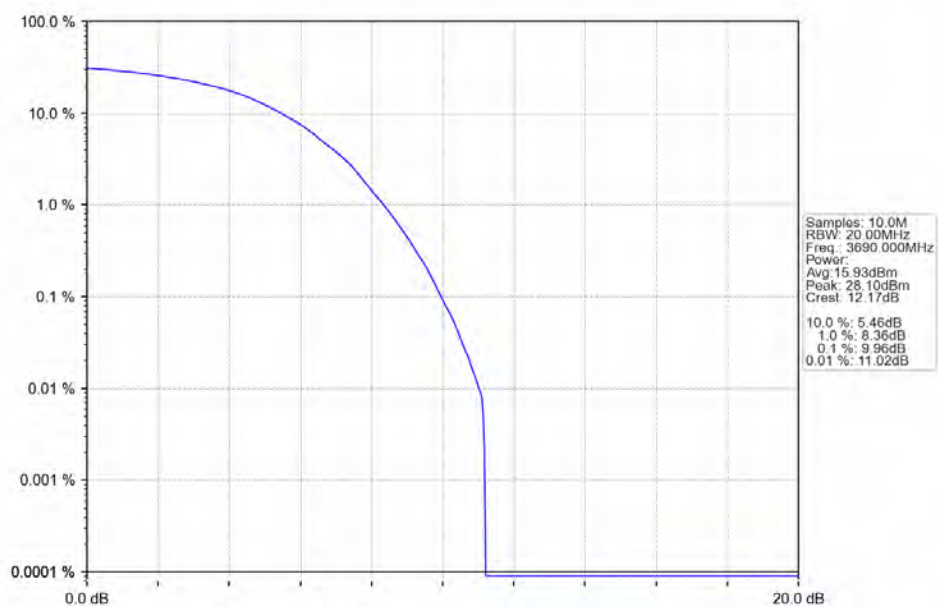
Band48 20MHz 16QAM LCH 3560MHz RB 100 0 NTNV



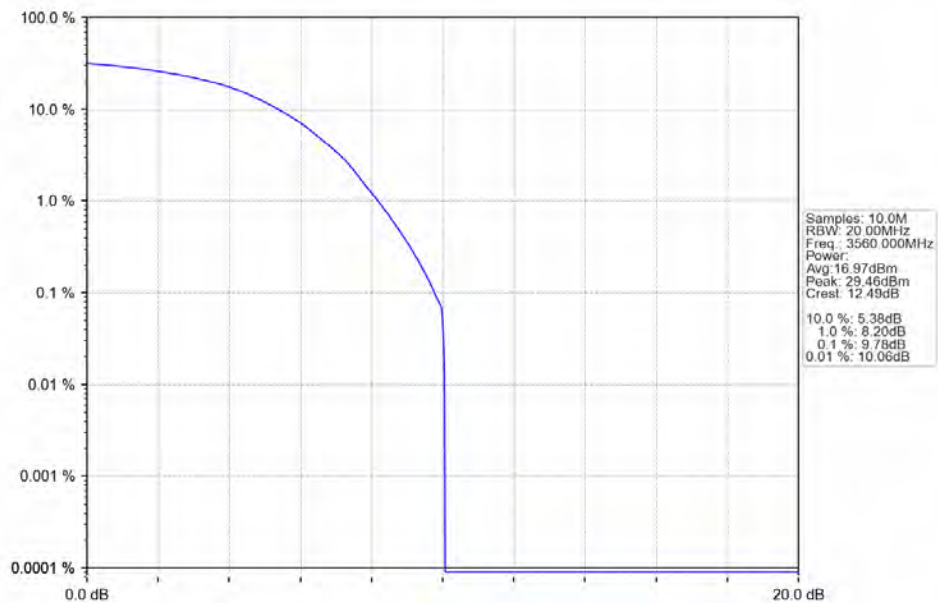
Band48_20MHz_16QAM_MCH_3625MHz_RB_100_0_NTNV



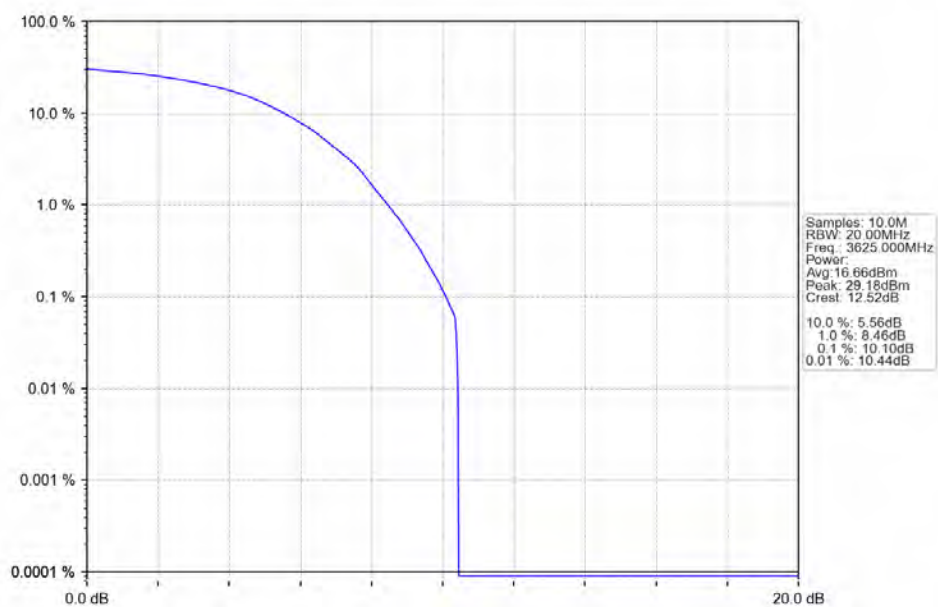
Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV



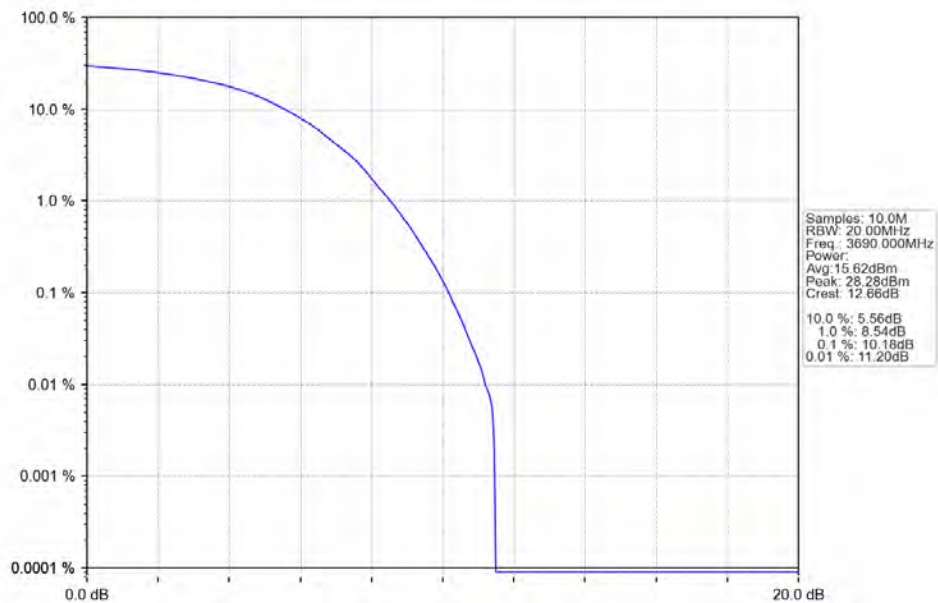
Band48_20MHz_64QAM_LCH_3560MHz_RB_100_0_NTNV



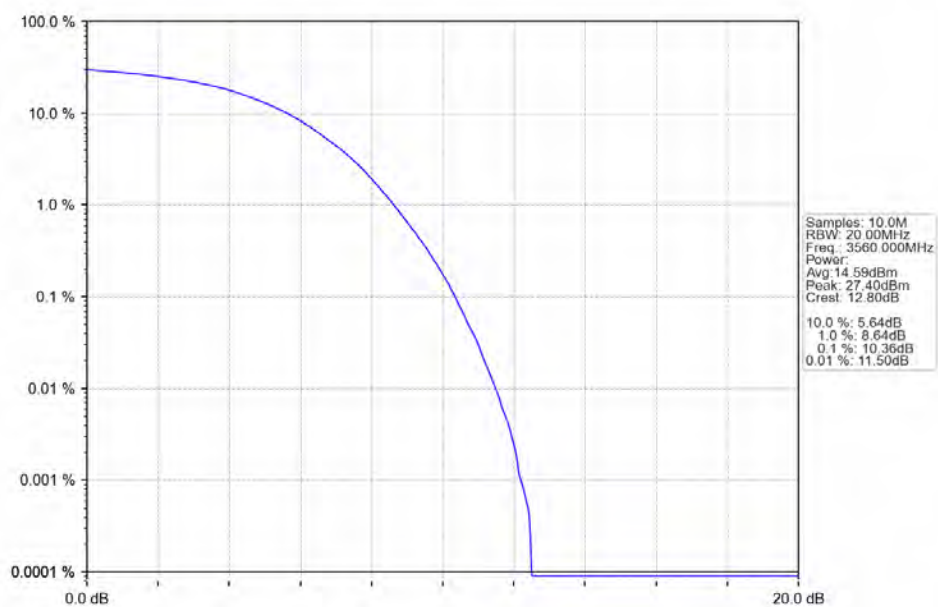
Band48_20MHz_64QAM_MCH_3625MHz_RB_100_0_NTNV



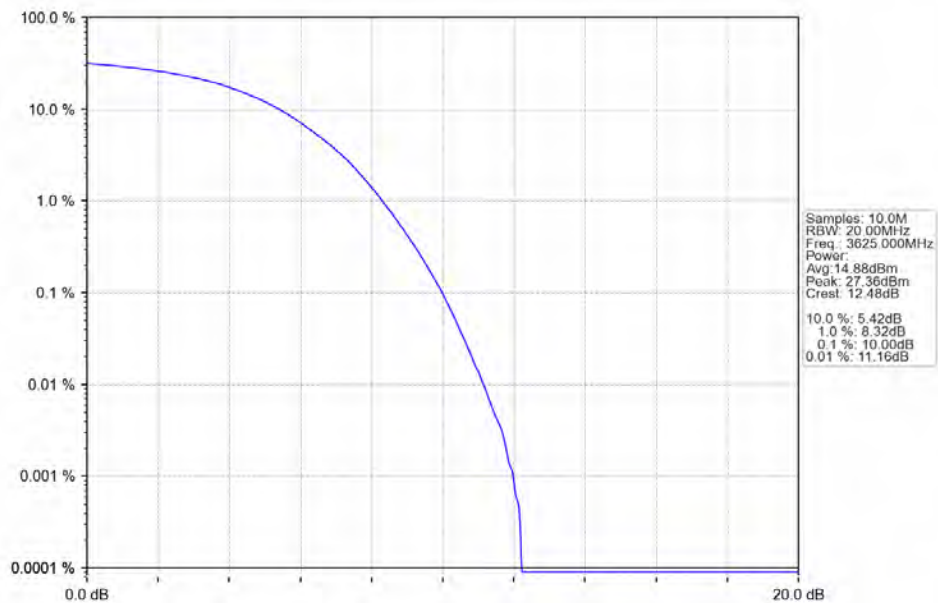
Band48_20MHz_64QAM_HCH_3690MHz_RB_100_0_NTNV



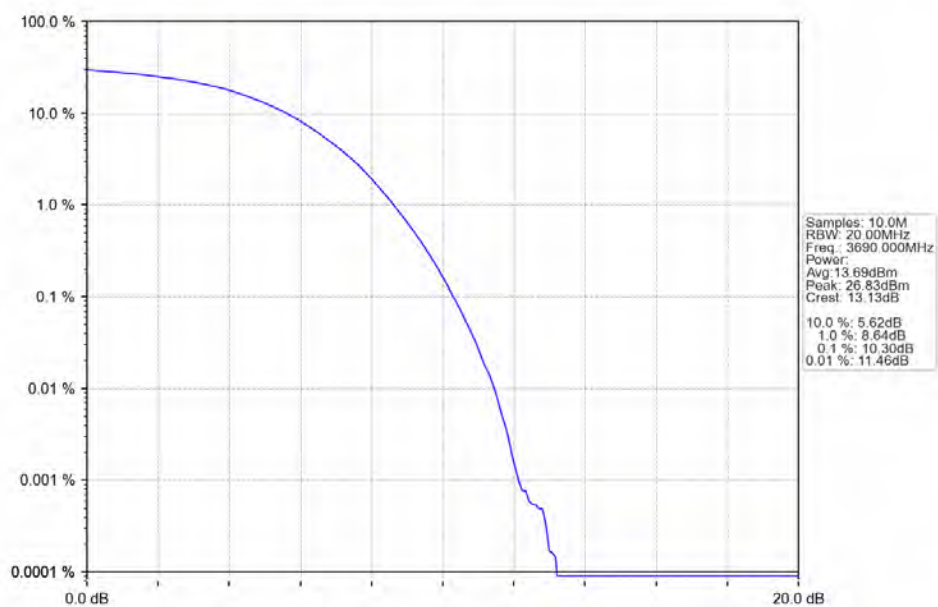
Band48_20MHz_256QAM_LCH_3560MHz_RB_100_0_NTNV



Band48_20MHz_256QAM_MCH_3625MHz_RB_100_0_NTNV



Band48_20MHz_256QAM_HCH_3690MHz_RB_100_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B48_5MHz

Band: 48 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		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
	3697.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.2 B48_10MHz

Band: 48 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		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
	3695	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.3 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
	3692.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

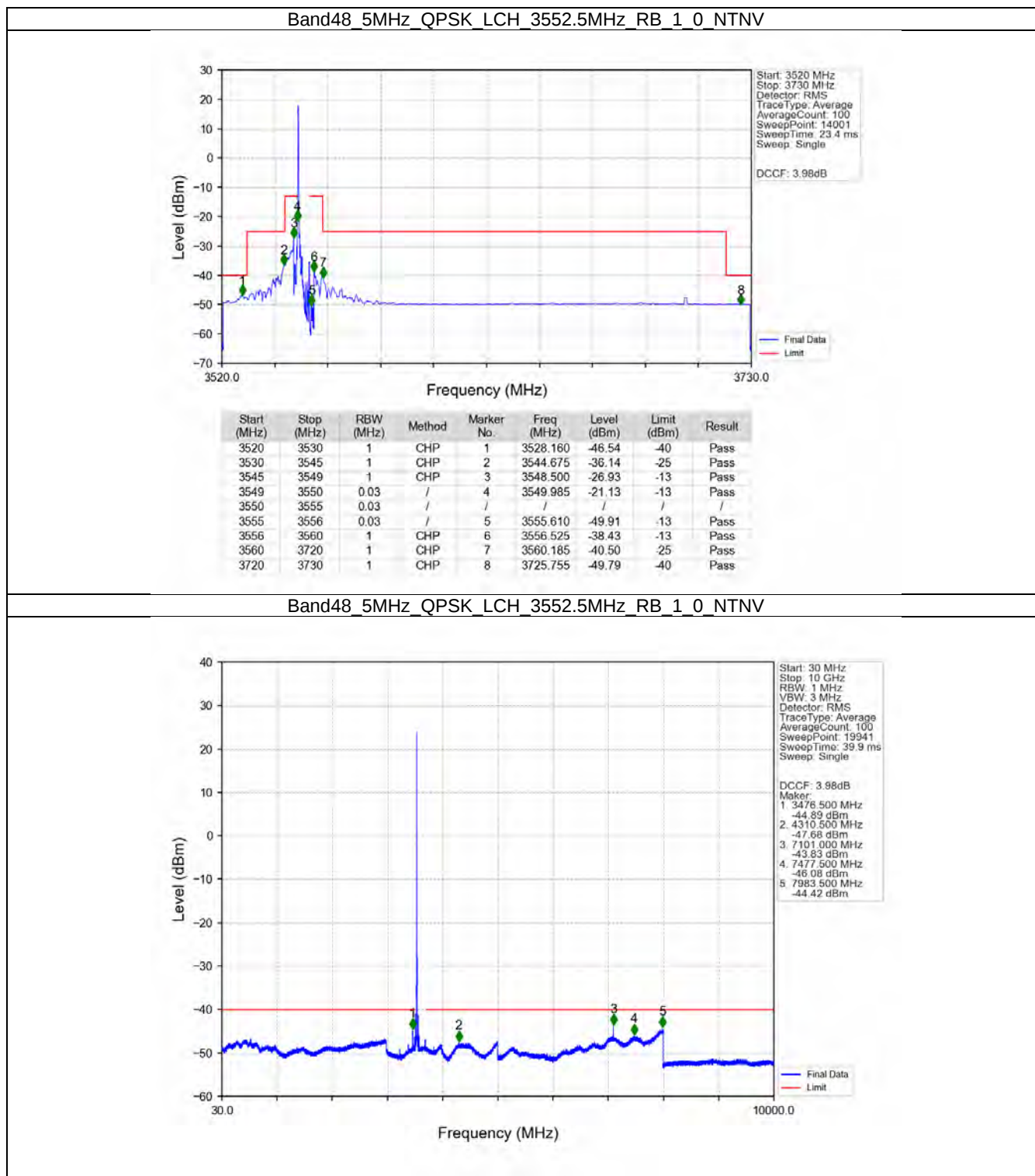
5.1.4 B48_20MHz

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

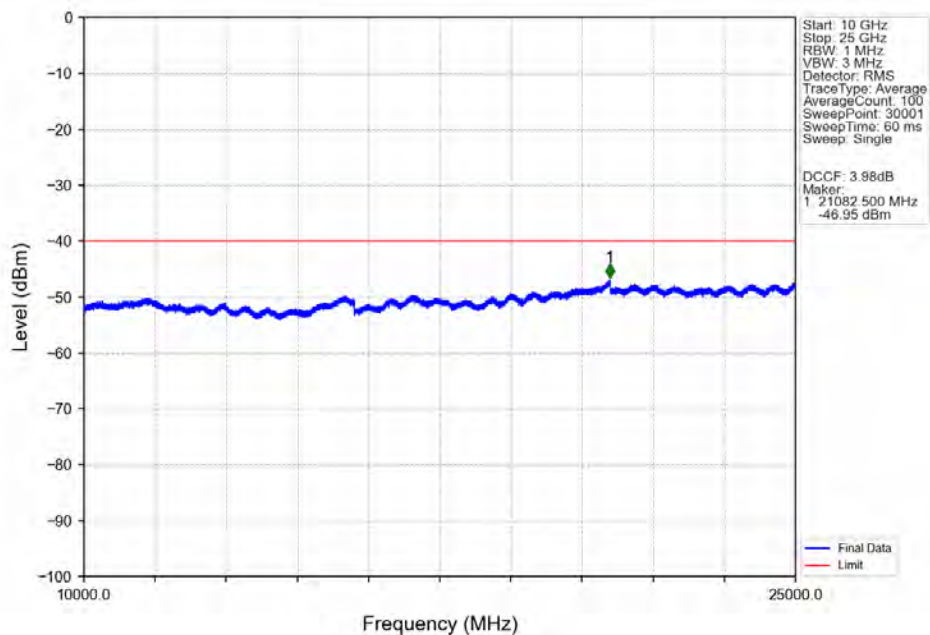
		100	0	Refer To Test Graph	Pass
	3625	1	0	Refer To Test Graph	Pass
	3690	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass

5.2 Test Graph

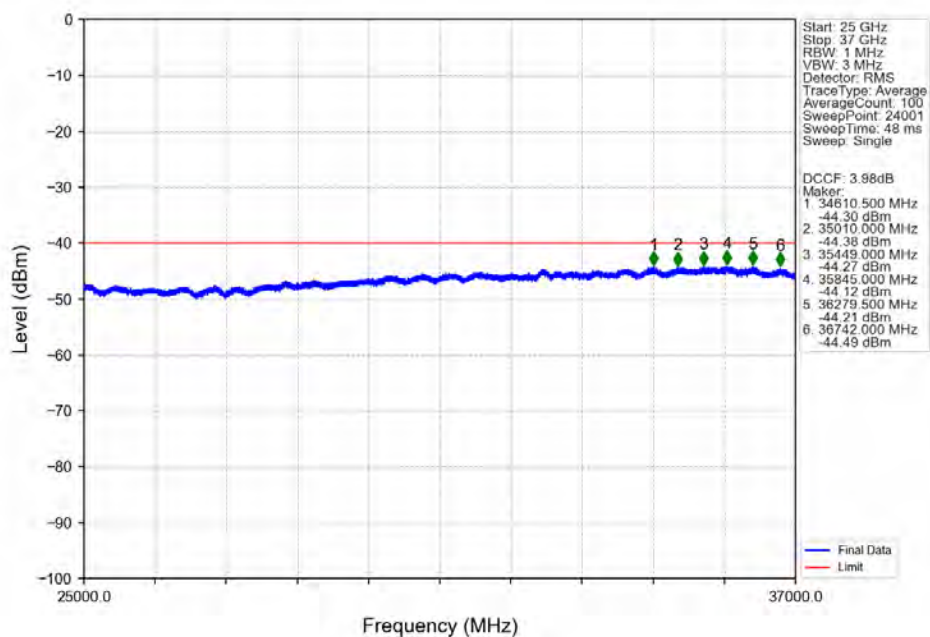
5.2.1 B48_5MHz



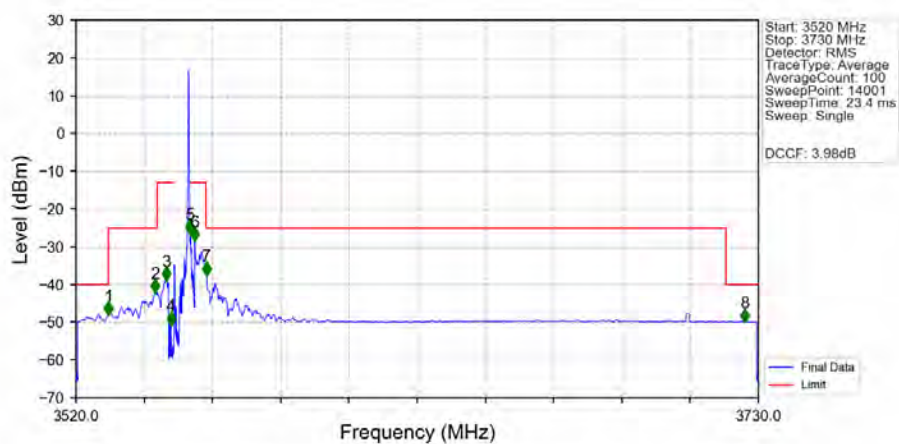
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV



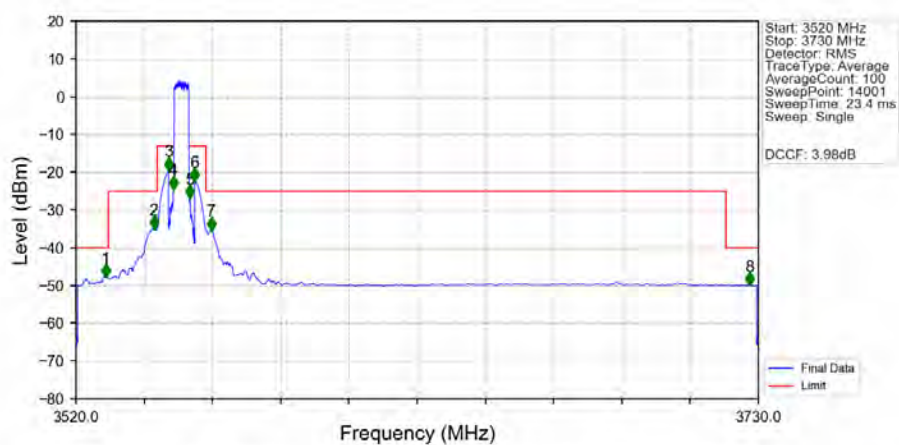
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV



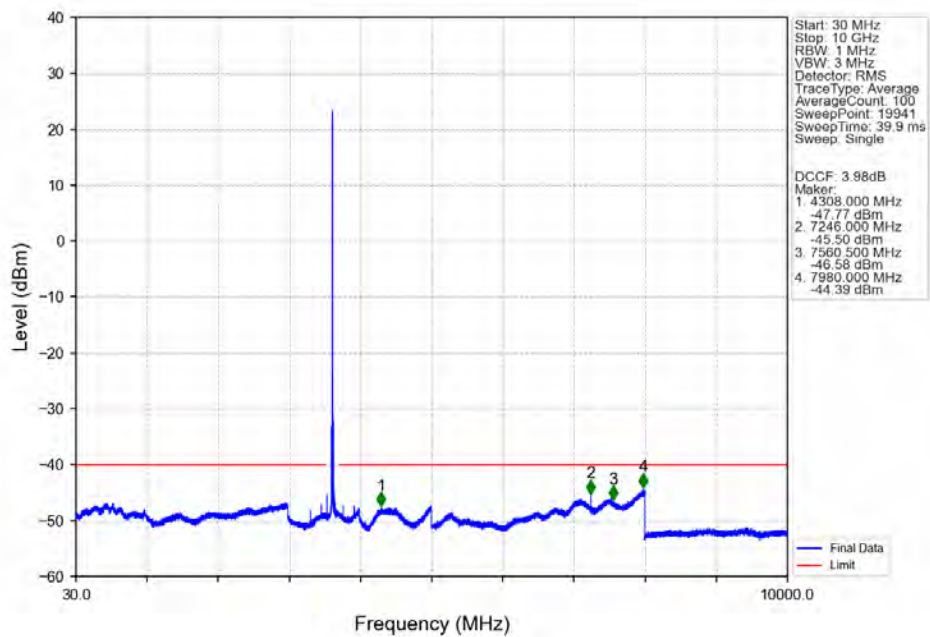
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_24_NTNV



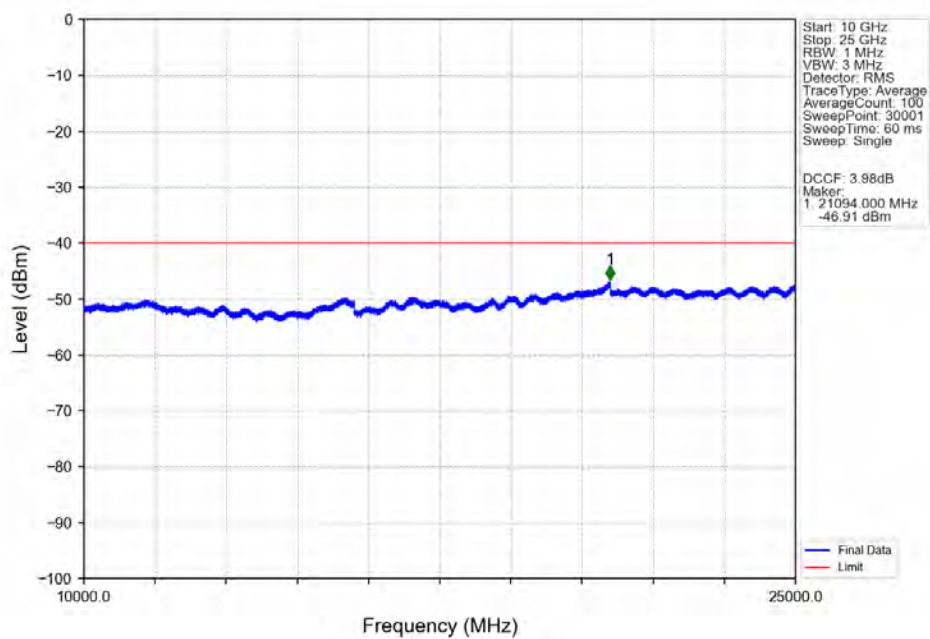
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV



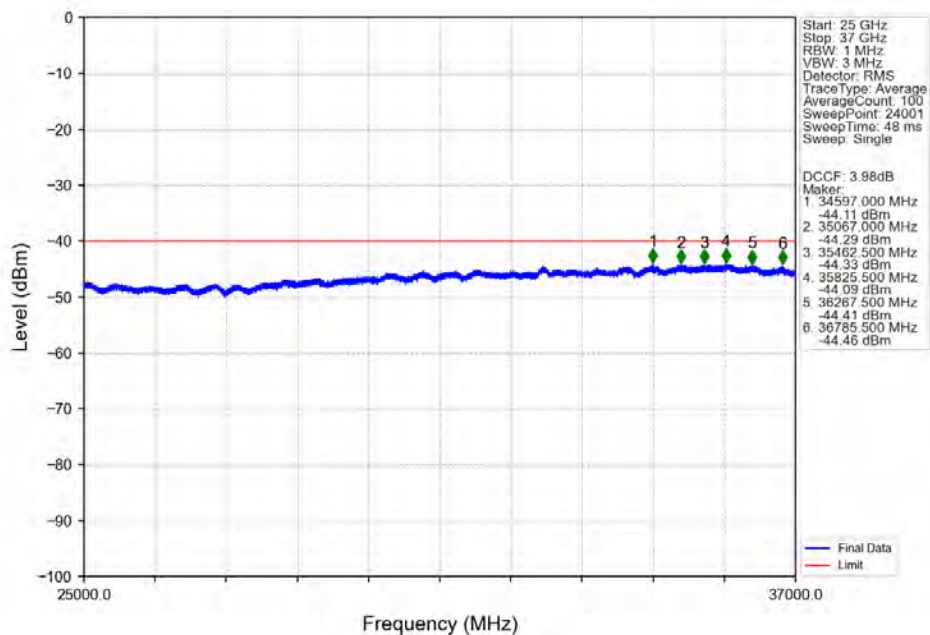
Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



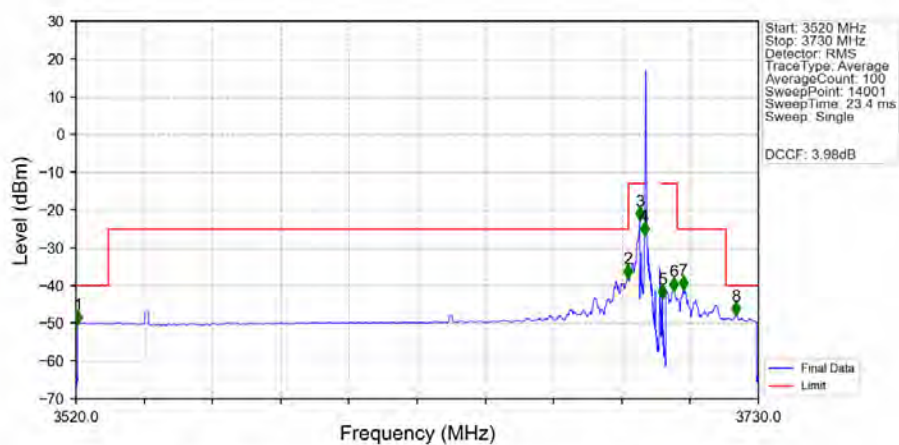
Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV

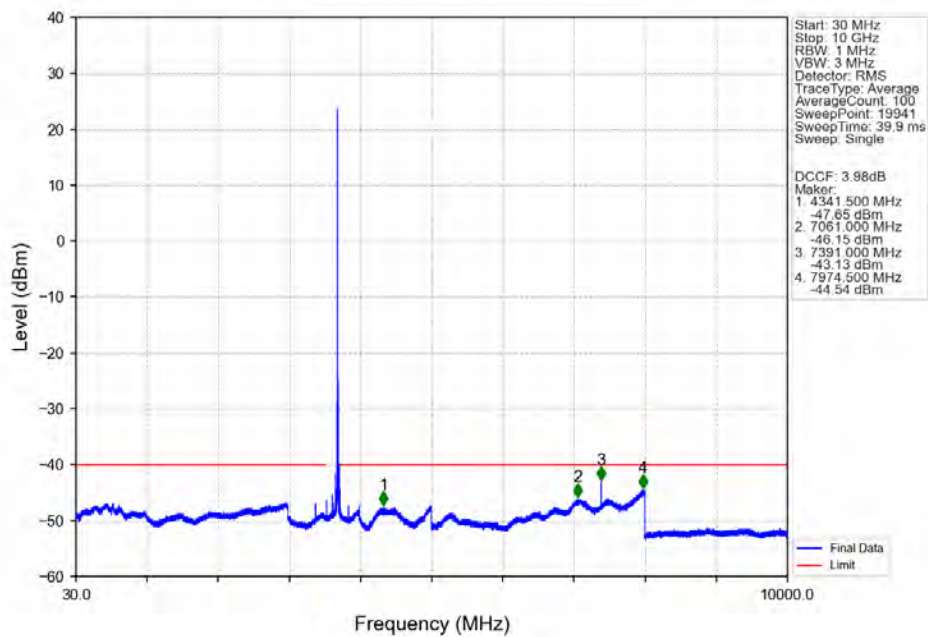


Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV

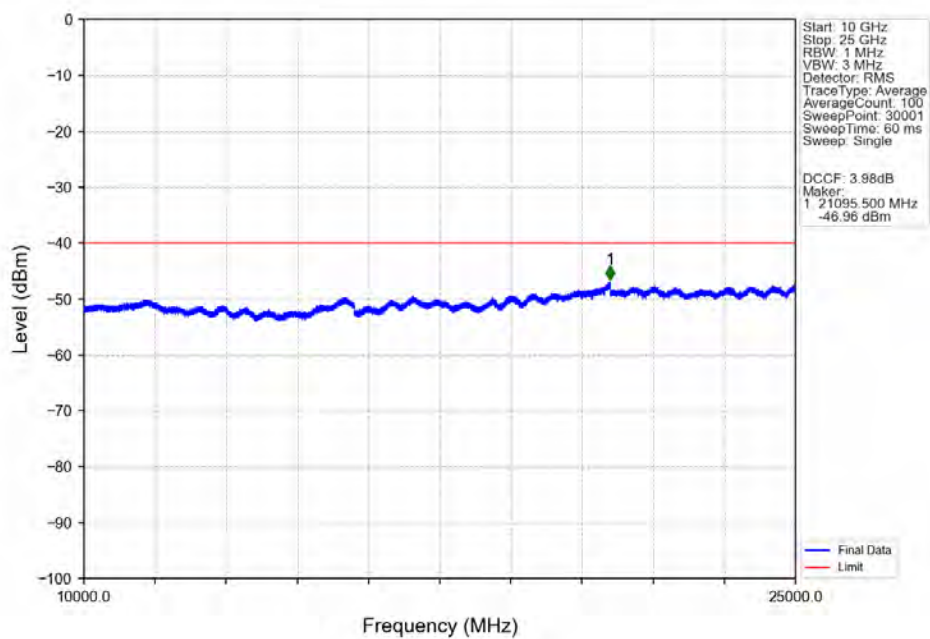


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3520.525	-49.94	-40	Pass
3530	3690	1	CHP	2	3689.830	-37.77	-25	Pass
3690	3694	1	CHP	3	3693.490	-22.51	-13	Pass
3694	3695	0.03	/	4	3694.990	-26.45	-13	Pass
3695	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	5	3700.420	-43.20	-13	Pass
3701	3705	1	CHP	6	3703.930	-41.19	-13	Pass
3705	3720	1	CHP	7	3706.930	-40.90	25	Pass
3720	3730	1	CHP	8	3722.980	-47.62	-40	Pass

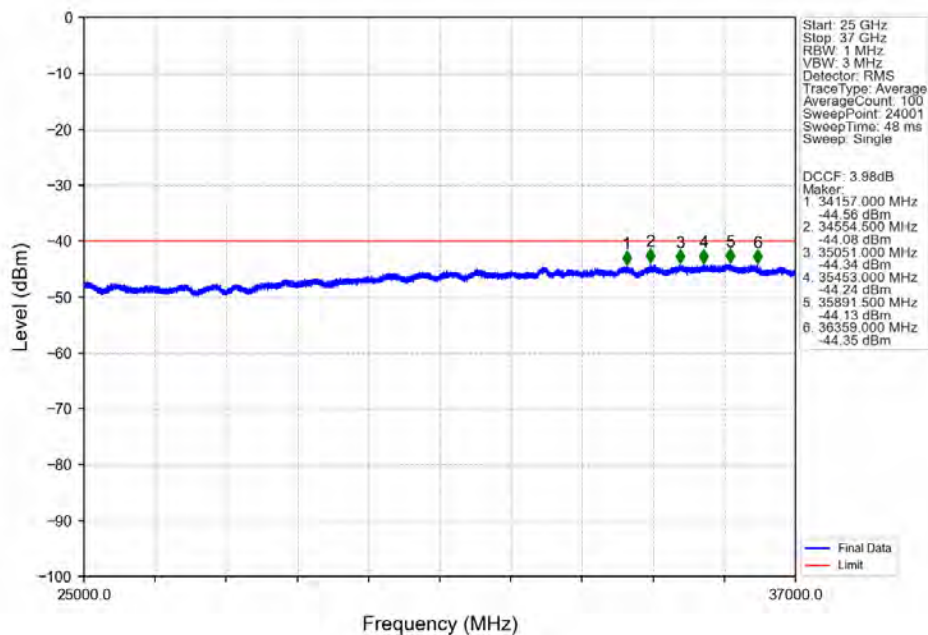
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



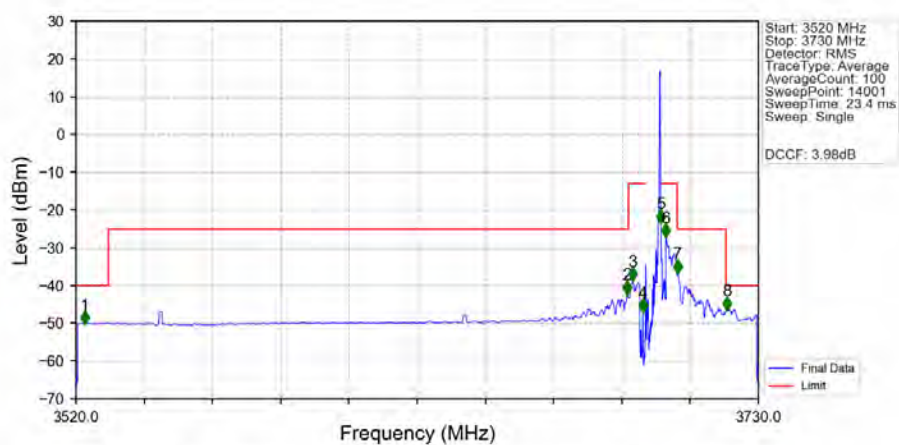
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV

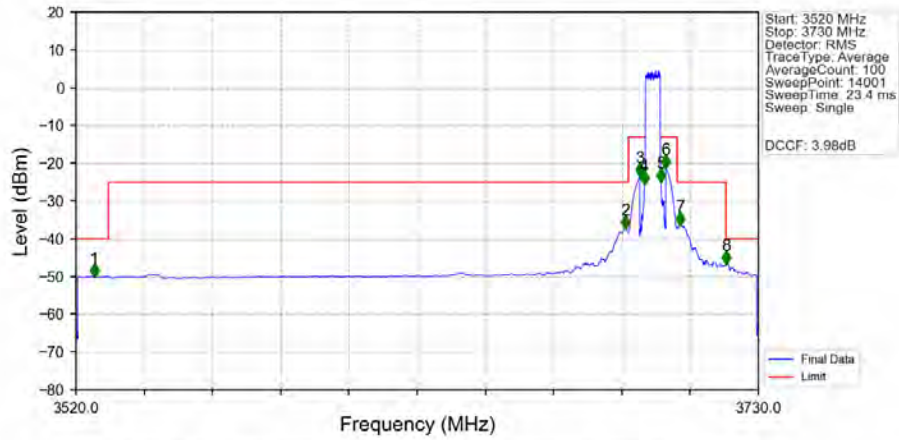


Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3522.745	-49.98	-40	Pass
3530	3690	1	CHP	2	3689.620	-42.04	-25	Pass
3690	3694	1	CHP	3	3691.345	-38.48	-13	Pass
3694	3695	0.03	/	4	3694.420	-46.89	-13	Pass
3695	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	5	3700.015	-23.22	-13	Pass
3701	3705	1	CHP	6	3701.500	-26.99	-13	Pass
3705	3720	1	CHP	7	3705.115	-36.46	25	Pass
3720	3730	1	CHP	8	3720.310	-46.32	-40	Pass

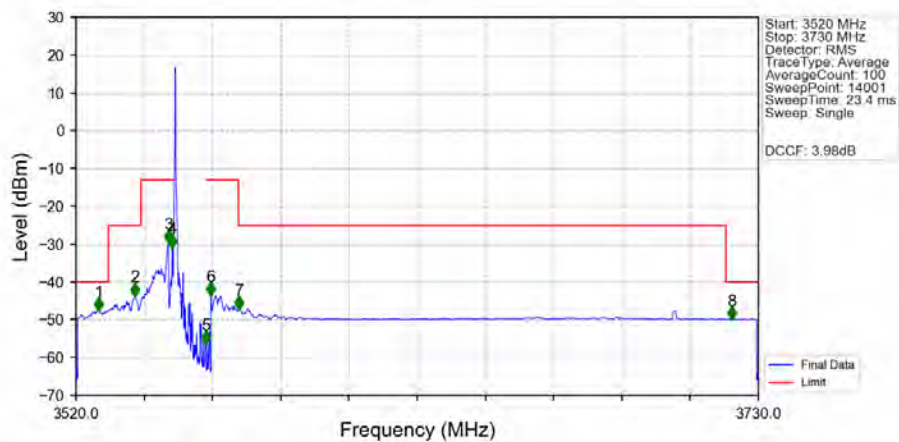
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3525.685	-49.94	-40	Pass
3530	3690	1	CHP	2	3689.020	-37.20	-25	Pass
3690	3694	1	CHP	3	3693.490	-23.28	-13	Pass
3694	3695	0.05	CHP	4	3694.990	-25.42	-13	Pass
3695	3700	0.05	CHP	/	/	/	/	/
3700	3701	0.05	CHP	5	3700.015	-24.71	-13	Pass
3701	3705	1	CHP	6	3701.500	-21.15	-13	Pass
3705	3720	1	CHP	7	3706.000	-36.28	-25	Pass
3720	3730	1	CHP	8	3720.085	-46.50	-40	Pass

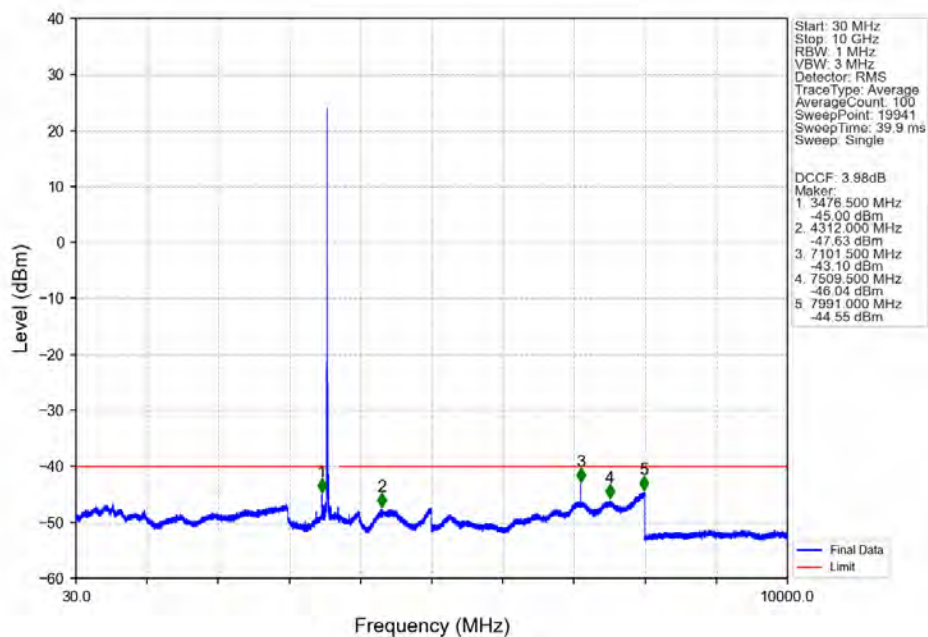
5.2.2 B48_10MHz

Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV

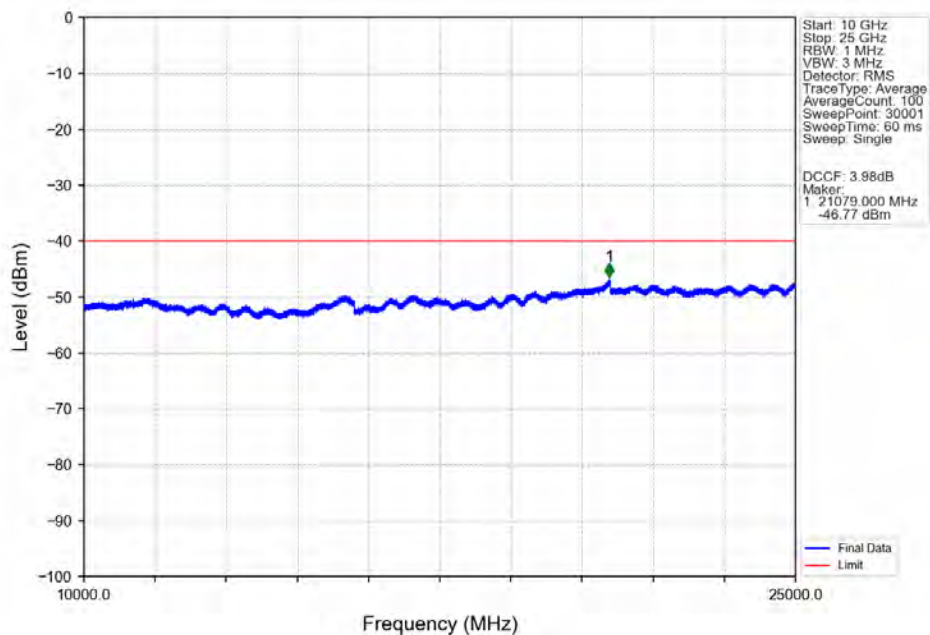


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3527.050	-47.52	-40	Pass
3530	3540	1	CHP	2	3538.180	-43.52	-25	Pass
3540	3549	1	CHP	3	3548.500	-29.52	-13	Pass
3549	3550	0.03	/	4	3549.625	-30.71	-13	Pass
3550	3560	0.03	/	/	/	/	/	/
3560	3561	0.03	/	5	3560.005	-56.29	-13	Pass
3561	3570	1	CHP	6	3561.505	-43.45	-13	Pass
3570	3720	1	CHP	7	3570.220	-46.99	-25	Pass
3720	3730	1	CHP	8	3721.705	-49.77	-40	Pass

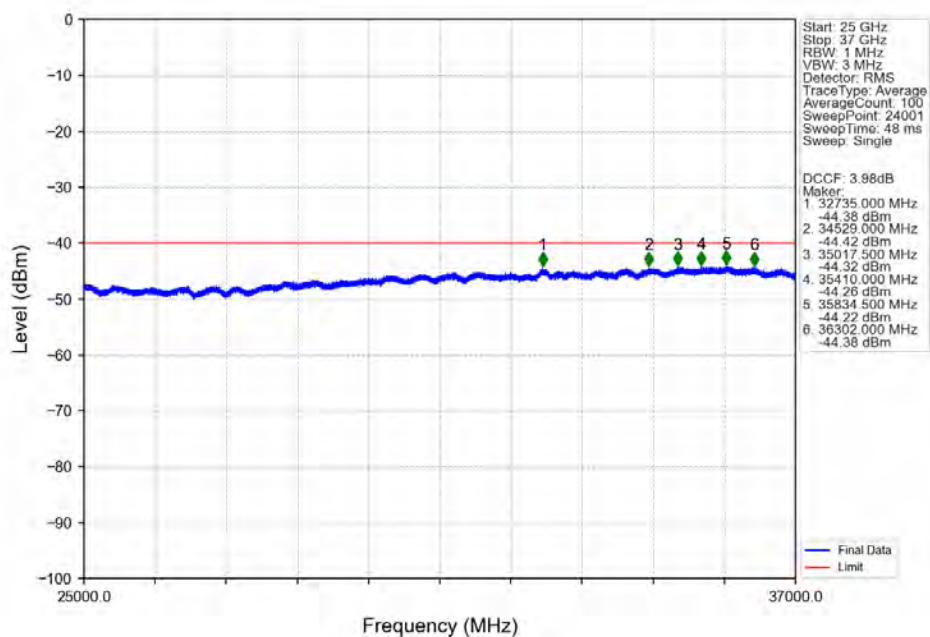
Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



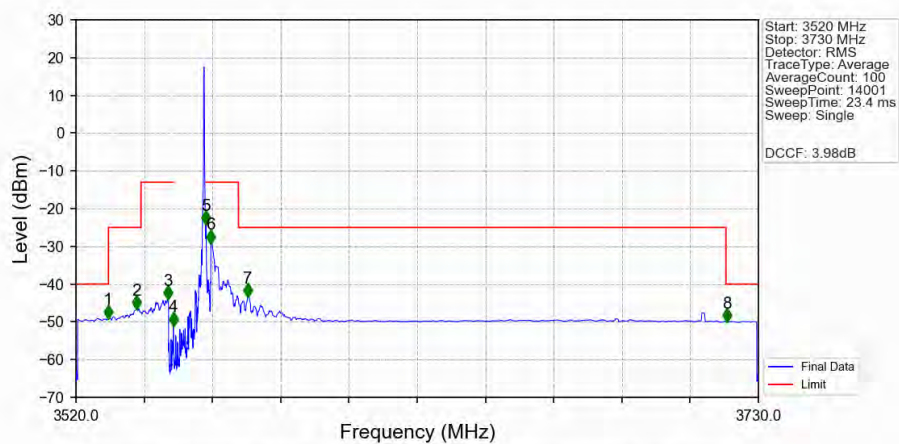
Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV

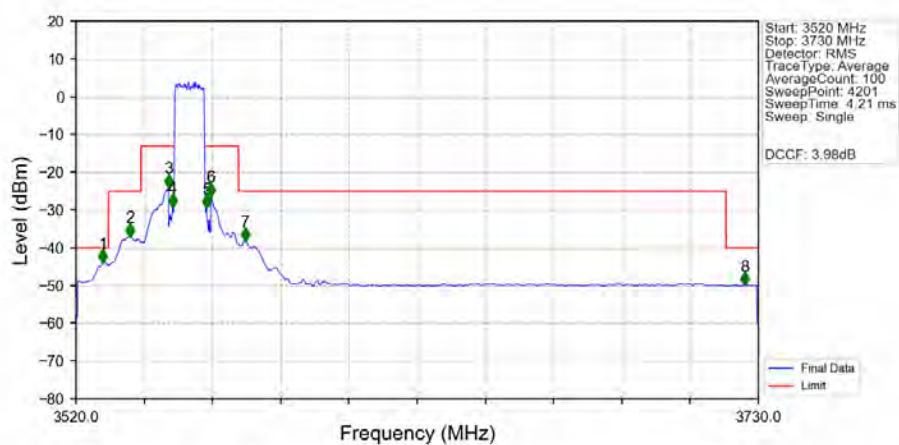


Band48_10MHz_QPSK_LCH_3555MHz_RB_1_49_NTNV



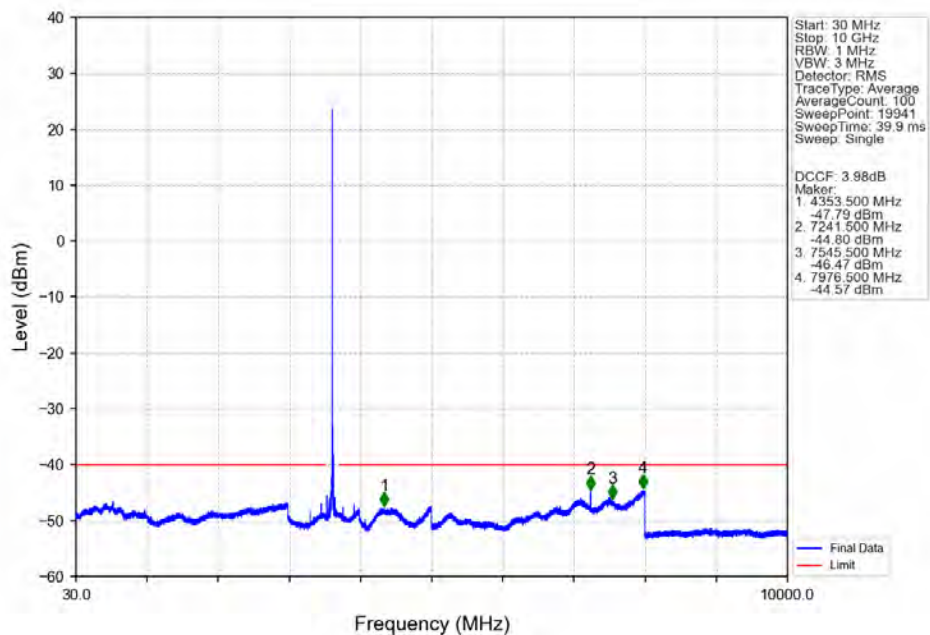
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3529.915	-48.83	-40	Pass
3530	3540	1	CHP	2	3538.585	-46.41	-25	Pass
3540	3549	1	CHP	3	3548.215	-43.89	-13	Pass
3549	3550	0.03	/	4	3549.970	-50.79	-13	Pass
3550	3560	0.03	/	/	/	/	/	/
3560	3561	0.03	/	5	3560.005	-23.93	-13	Pass
3561	3570	1	CHP	6	3561.505	-29.00	-13	Pass
3570	3720	1	CHP	7	3572.860	-43.15	-25	Pass
3720	3730	1	CHP	8	3720.325	-49.79	-40	Pass

Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV

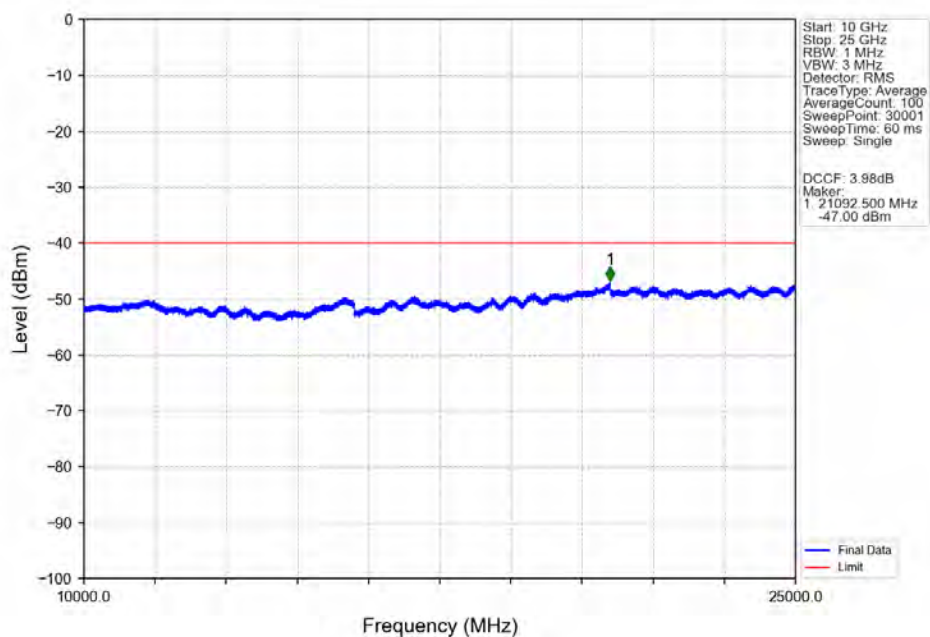


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3528.300	-43.79	-40	Pass
3530	3540	1	CHP	2	3536.750	-36.82	-25	Pass
3540	3549	1	CHP	3	3548.500	-23.79	-13	Pass
3549	3550	0.103	CHP	4	3549.750	-29.01	-13	Pass
3550	3560	0.103	CHP	/	/	/	/	/
3560	3561	0.103	CHP	5	3560.100	-29.29	-13	Pass
3561	3570	1	CHP	6	3561.500	-26.19	-13	Pass
3570	3720	1	CHP	7	3572.100	-37.99	-25	Pass
3720	3730	1	CHP	8	3725.850	-49.81	-40	Pass

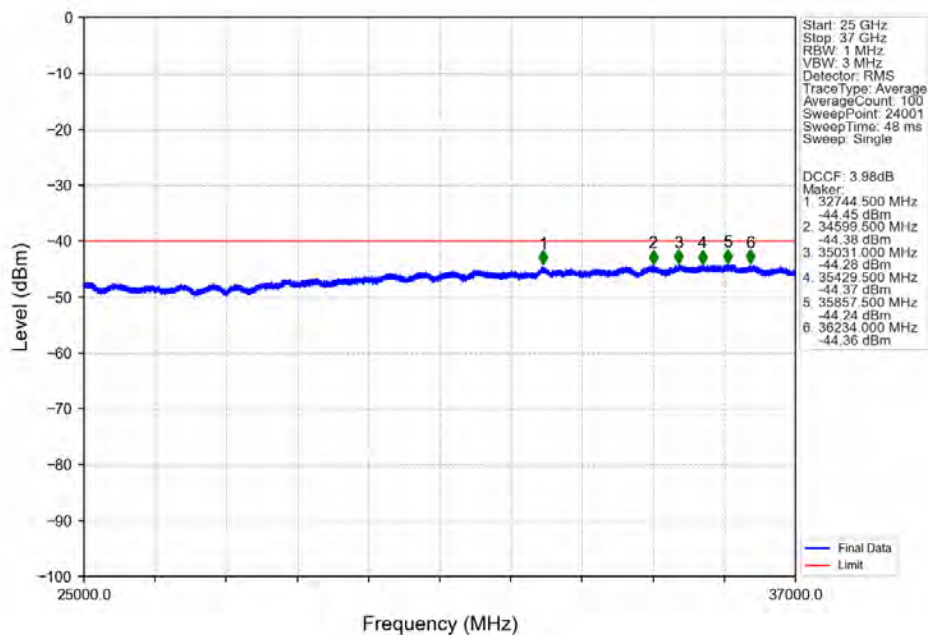
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



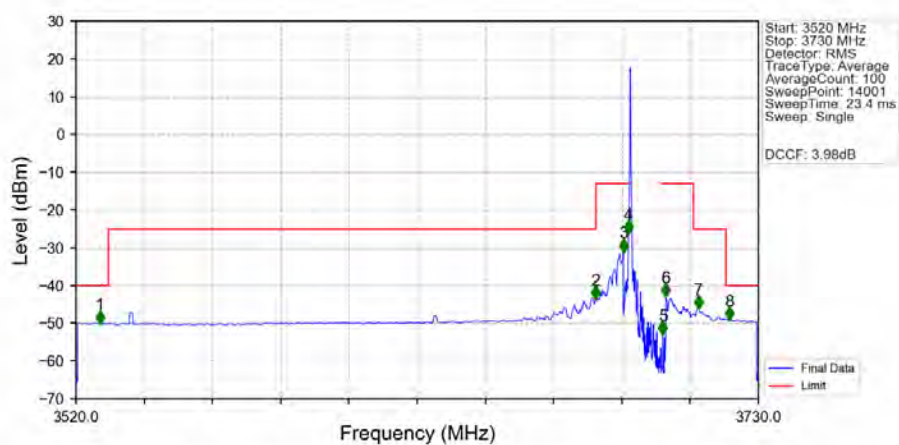
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV

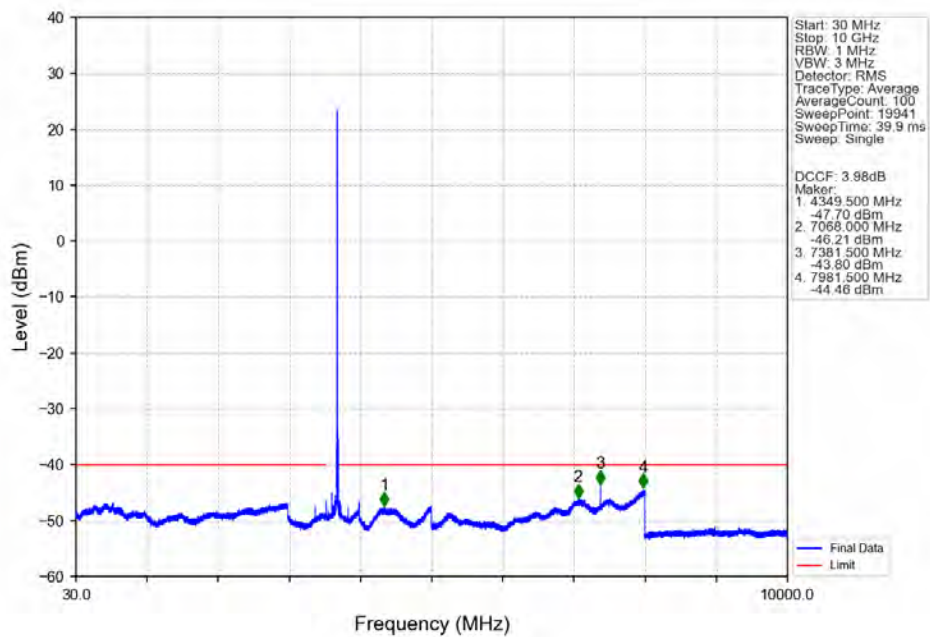


Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV

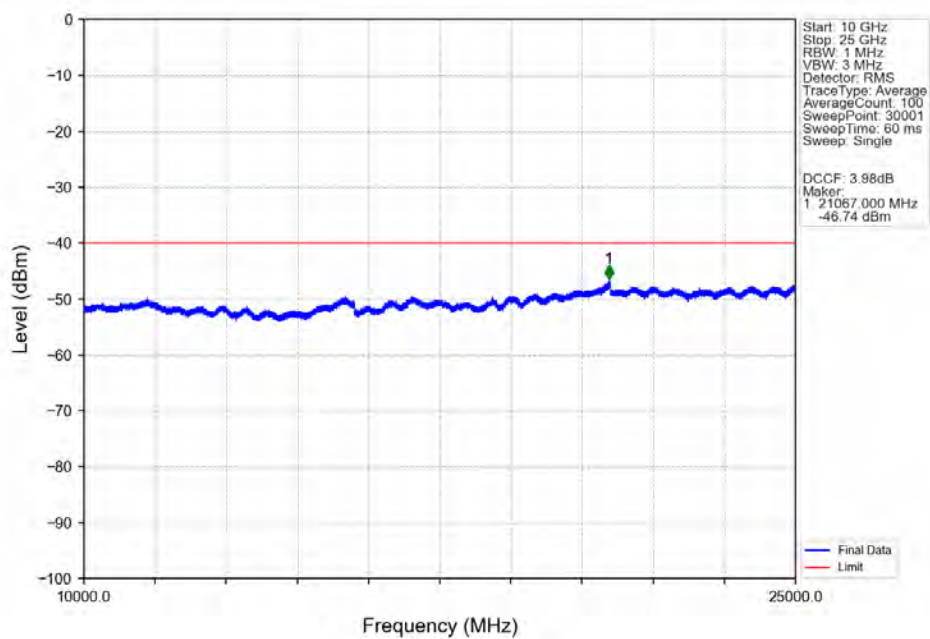


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3527.380	-49.93	-40	Pass
3530	3680	1	CHP	2	3679.915	-43.40	-25	Pass
3680	3689	1	CHP	3	3688.495	-30.90	-13	Pass
3689	3690	0.03	/	4	3689.995	-26.13	-13	Pass
3690	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	5	3700.585	-52.76	-13	Pass
3701	3710	1	CHP	6	3701.515	-42.74	-13	Pass
3710	3720	1	CHP	7	3711.535	-46.04	25	Pass
3720	3730	1	CHP	8	3721.105	-48.89	-40	Pass

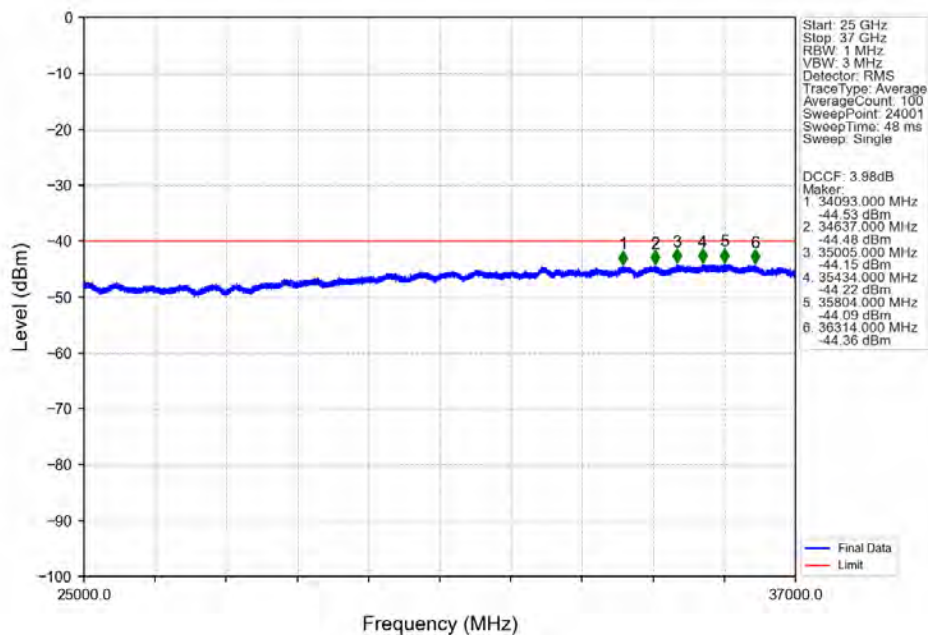
Band48 10MHz QPSK HCH 3695MHz RB 1 0 NTNV



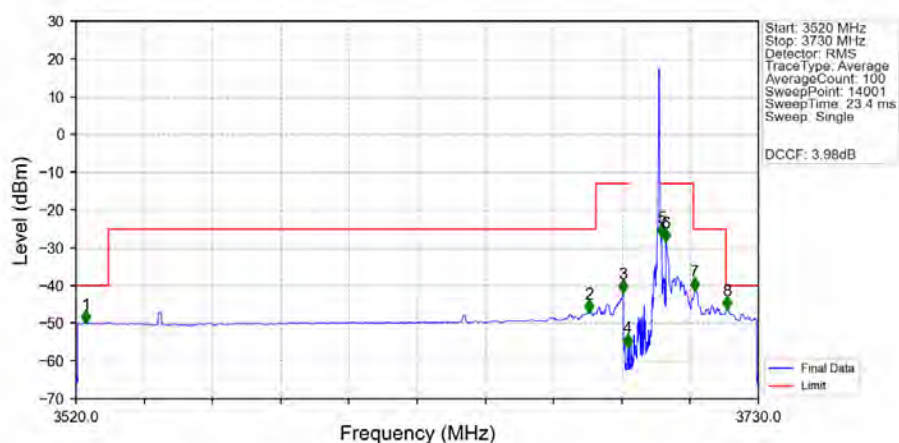
Band48 10MHz QPSK HCH 3695MHz RB 1 0 NTNV



Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV

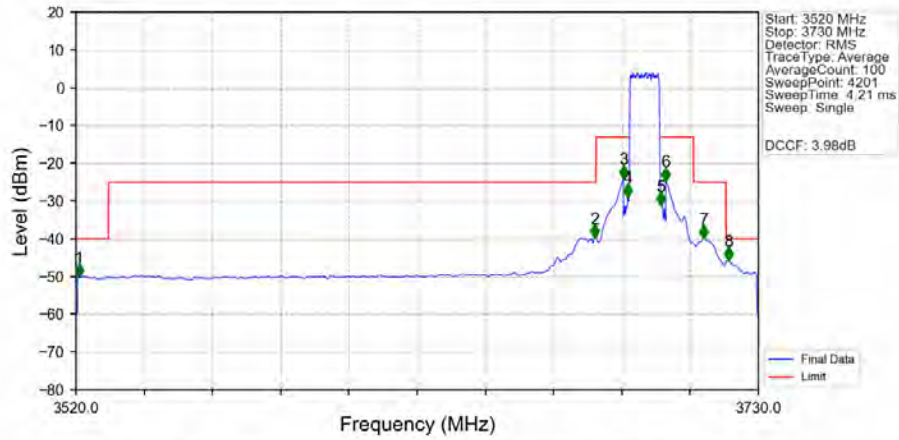


Band48_10MHz_QPSK_HCH_3695MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3523.060	-49.85	-40	Pass
3530	3680	1	CHP	2	3677.905	-46.98	-25	Pass
3680	3689	1	CHP	3	3688.405	-41.63	-13	Pass
3689	3690	0.03	/	4	3689.725	-56.12	-13	Pass
3690	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	5	3700.180	-26.96	-13	Pass
3701	3710	1	CHP	6	3701.500	-28.28	-13	Pass
3710	3720	1	CHP	7	3710.425	-41.17	25	Pass
3720	3730	1	CHP	8	3720.400	-46.23	-40	Pass

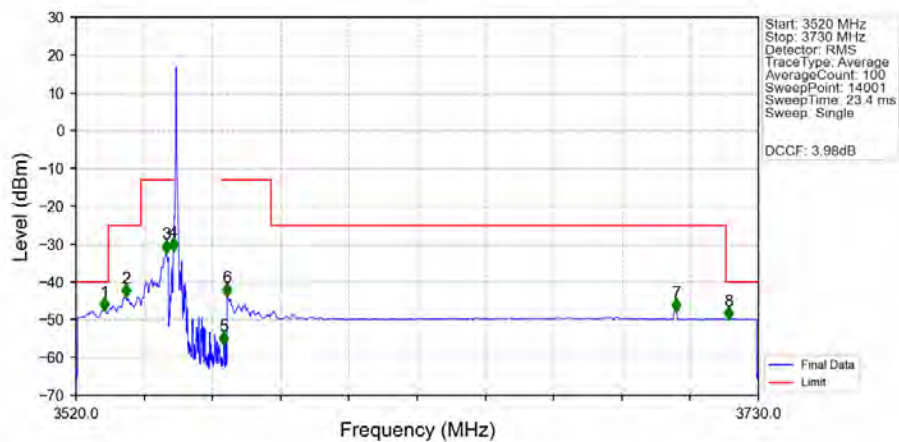
Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



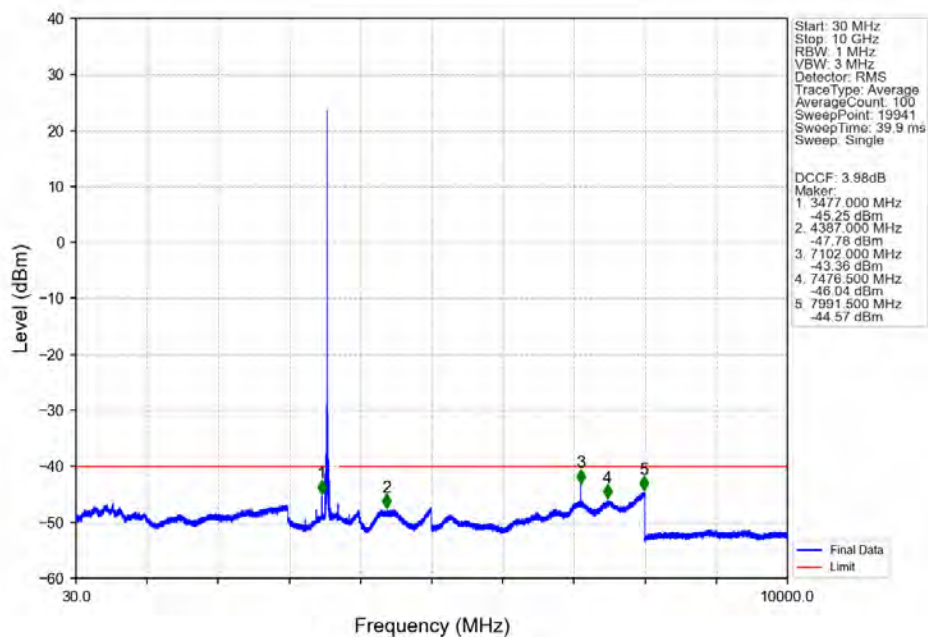
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3520.900	-49.91	-40	Pass
3530	3680	1	CHP	2	3679.600	-39.53	-25	Pass
3680	3689	1	CHP	3	3688.500	-23.79	-13	Pass
3689	3690	0.102	CHP	4	3689.850	-28.74	-13	Pass
3690	3700	0.102	CHP	/	/	/	/	/
3700	3701	0.102	CHP	5	3700.050	-30.97	-13	Pass
3701	3710	1	CHP	6	3701.500	-24.45	-13	Pass
3710	3720	1	CHP	7	3713.200	-39.75	-25	Pass
3720	3730	1	CHP	8	3720.800	-45.47	-40	Pass

5.2.3 B48_15MHz

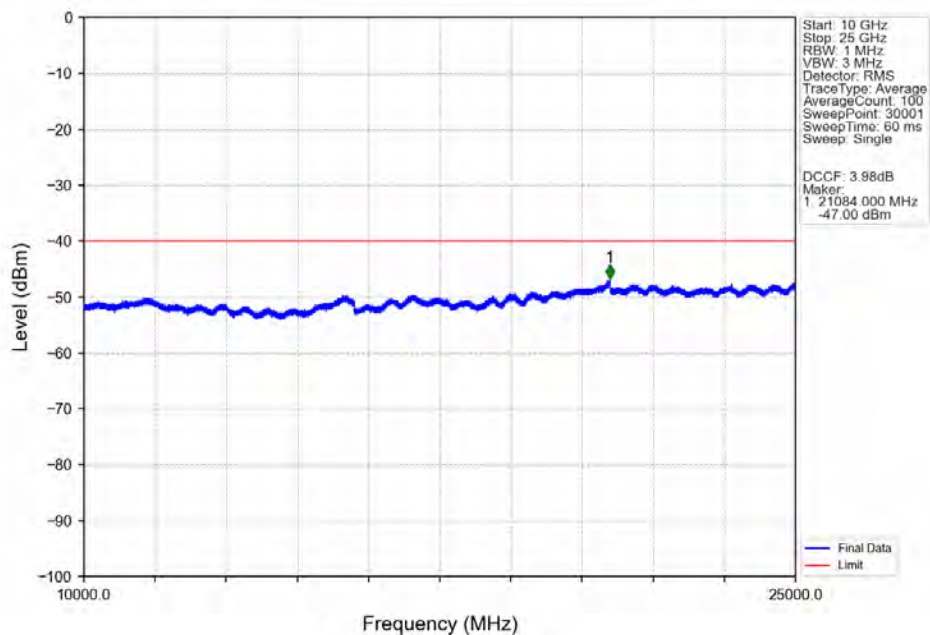
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



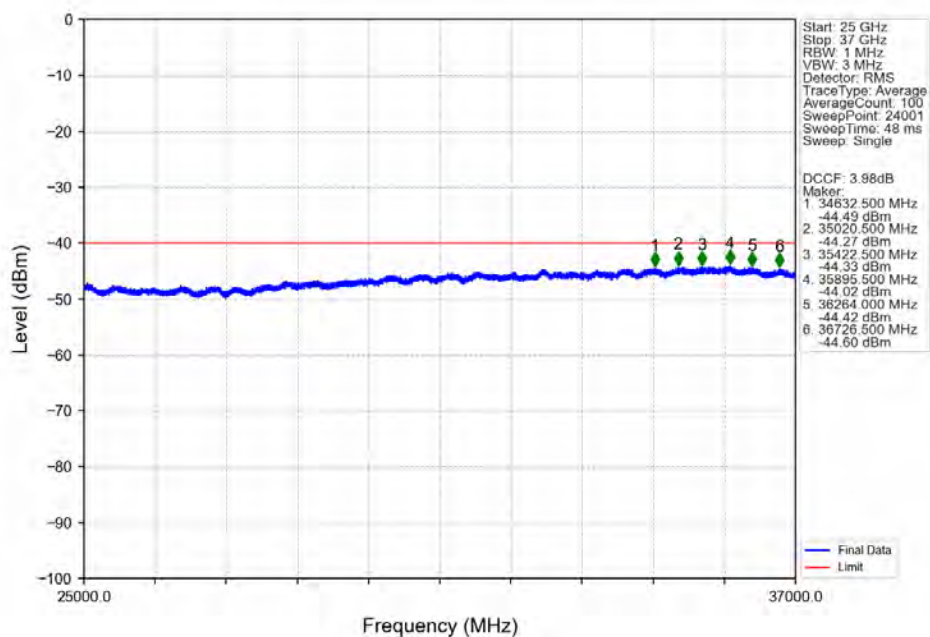
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



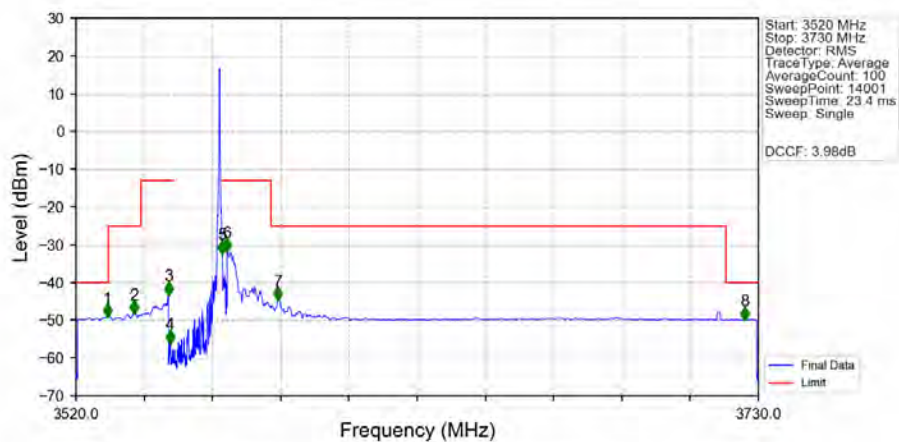
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



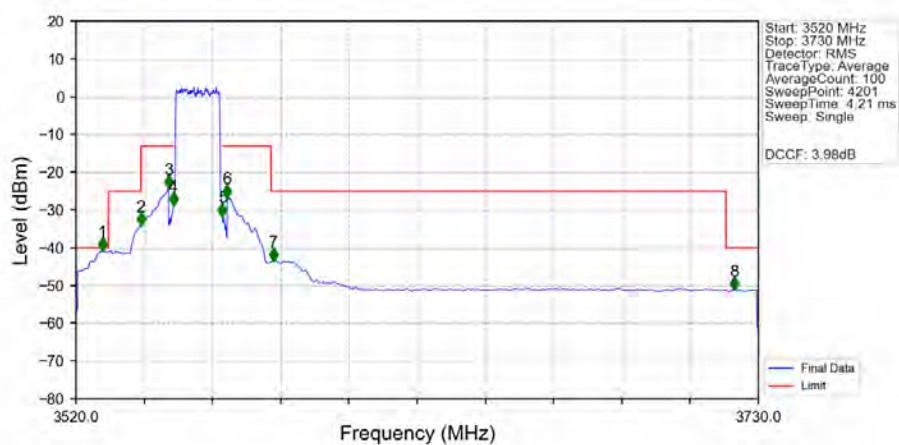
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



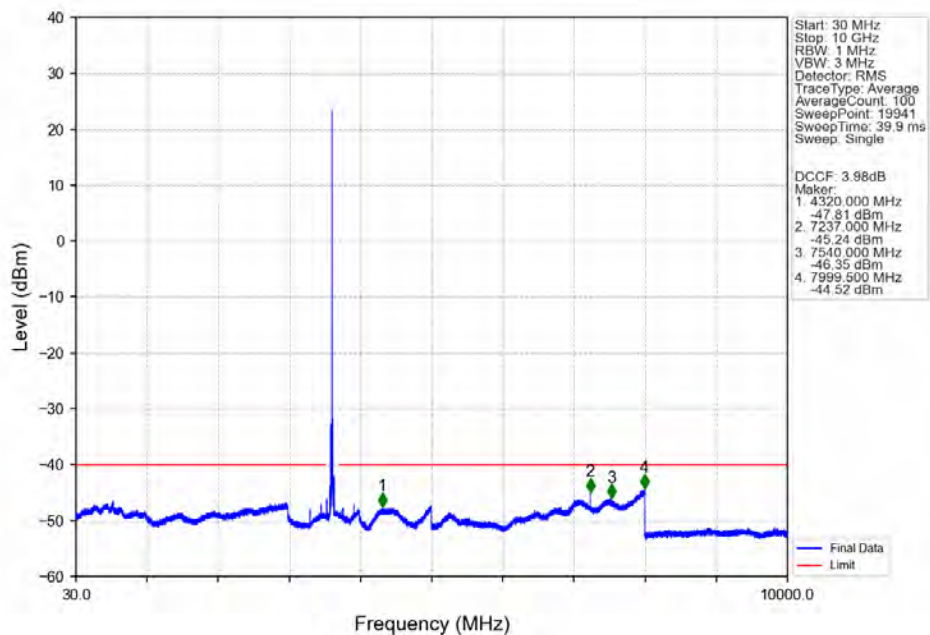
Band48 15MHz QPSK LCH 3557.5MHz RB 1 74 NTNV



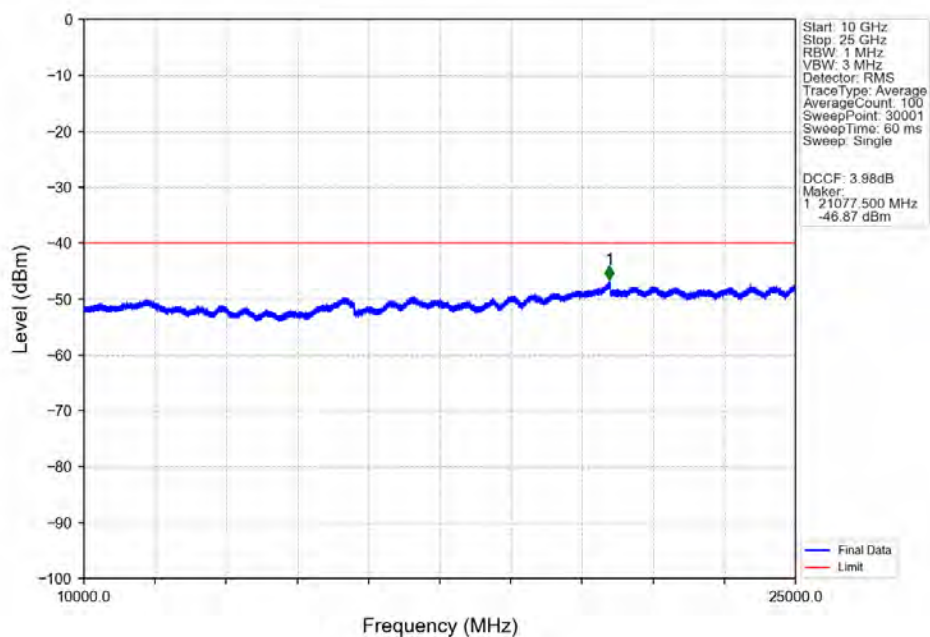
Band48 15MHz QPSK LCH 3557.5MHz RB 75 0 NTNV



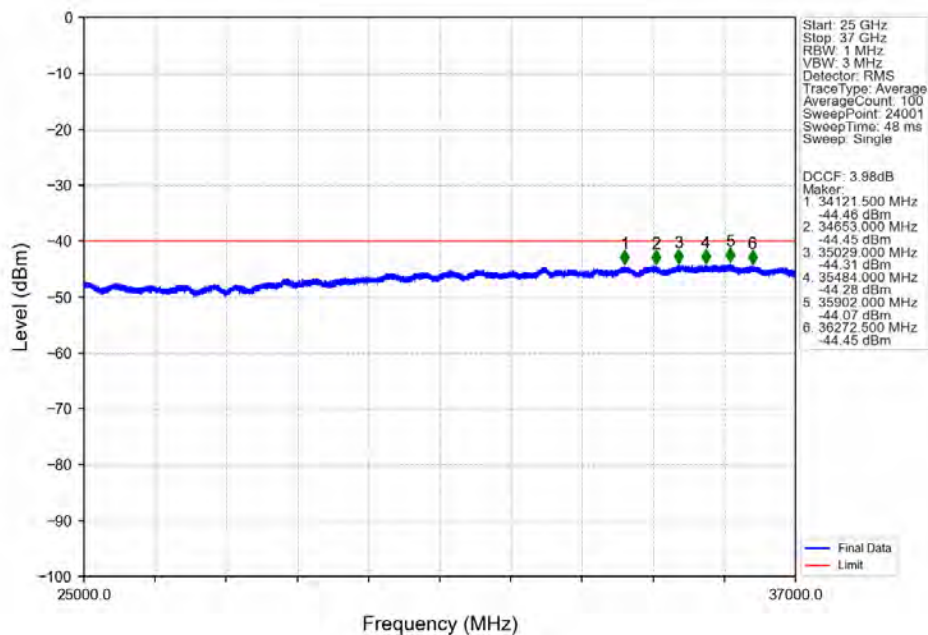
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



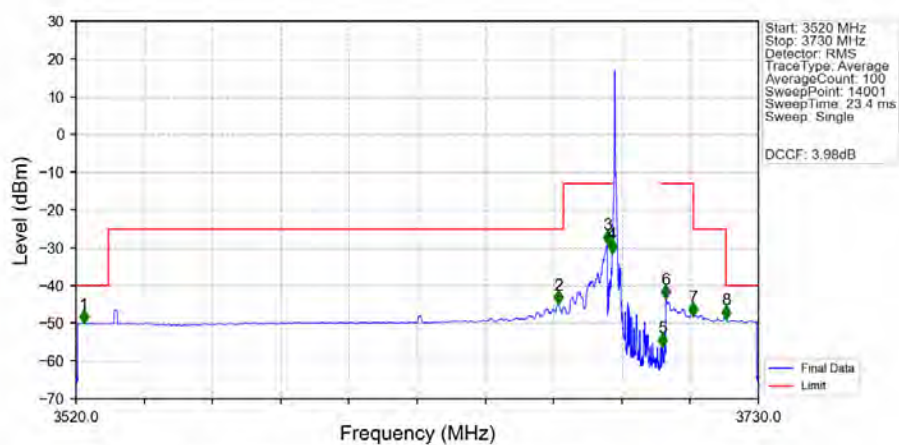
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV

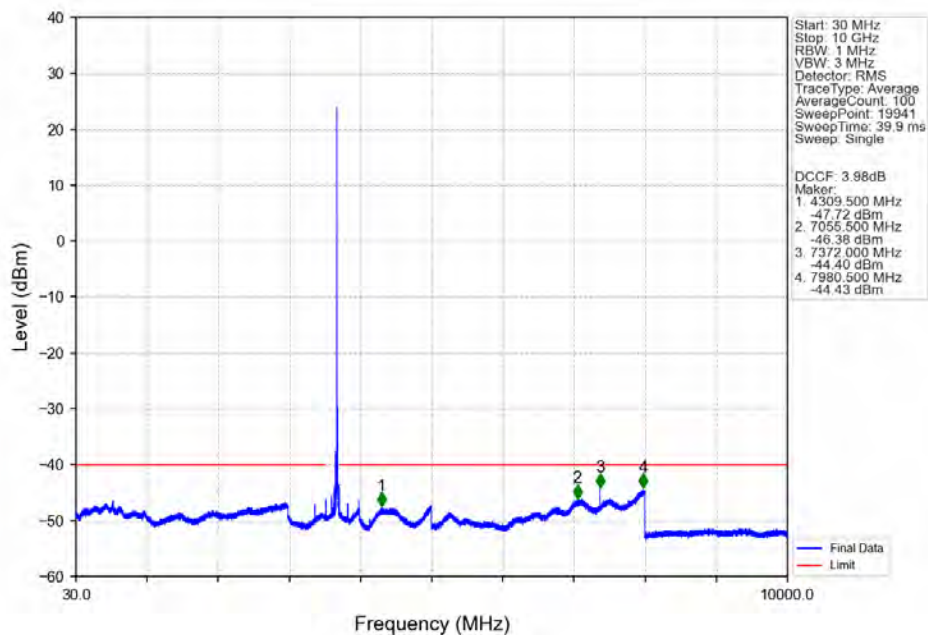


Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3522.400	-49.89	-40	Pass
3530	3670	1	CHP	2	3668.470	-44.64	-25	Pass
3670	3684	1	CHP	3	3683.500	-28.74	-13	Pass
3684	3685	0.03	/	4	3684.985	-31.11	-13	Pass
3685	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	5	3700.465	-55.94	-13	Pass
3701	3710	1	CHP	6	3701.500	-43.22	-13	Pass
3710	3720	1	CHP	7	3710.005	-47.88	-25	Pass
3720	3730	1	CHP	8	3720.010	-48.67	-40	Pass

Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV

