SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Appendix B.19

LTE Band 48

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1. Effective (Isotropic) Radiated Power Output Data

1.1 B48_5MHz_EIRP

1.1.1 Test Result

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	23.14	-3.6	19.54	/	Pass
			13	23.35	-3.6	19.75	/	Pass
			24	23.12	-3.6	19.52	/	Pass
		12	0	22.19	-3.6	18.59	/	Pass
			6	22.17	-3.6	18.57	/	Pass
			13	22.26	-3.6	18.66	/	Pass
		25	0	22.12	-3.6	18.52	/	Pass
	3625	1	0	21.58	-3.6	17.98	/	Pass
			13	21.83	-3.6	18.23	/	Pass
			24	20.91	-3.6	17.31	/	Pass
		12	0	22.41	-3.6	18.81	/	Pass
			6	22.57	-3.6	18.97	/	Pass
			13	22.48	-3.6	18.88	/	Pass
		25	0	22.38	-3.6	18.78	/	Pass
	3697.5	1	0	22.08	-3.6	18.48	/	Pass
			13	21.45	-3.6	17.85	/	Pass
			24	21.92	-3.6	18.32	/	Pass
		12	0	22.90	-3.6	19.3	/	Pass
			6	23.00	-3.6	19.4	/	Pass
			13	23.01	-3.6	19.41	/	Pass
		25	0	22.88	-3.6	19.28	/	Pass
16QAM	3552.5	1	0	22.18	-3.6	18.58	/	Pass
			13	22.45	-3.6	18.85	/	Pass
			24	22.09	-3.6	18.49	/	Pass
		12	0	21.23	-3.6	17.63	/	Pass
			6	21.23	-3.6	17.63	/	Pass
			13	21.21	-3.6	17.61	/	Pass
		25	0	21.24	-3.6	17.64	/	Pass
	3625	1	0	20.95	-3.6	17.35	/	Pass
			13	20.87	-3.6	17.27	/	Pass
			24	21.64	-3.6	18.04	/	Pass
		12	0	21.39	-3.6	17.79	/	Pass
			6	21.46	-3.6	17.86	/	Pass
			13	21.46	-3.6	17.86	/	Pass
		25	0	21.34	-3.6	17.74	/	Pass
	3697.5	1	0	22.05	-3.6	18.45	/	Pass
			13	21.55	-3.6	17.95	/	Pass

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			24	21.90	-3.6	18.3	/	Pass
		12	0	21.91	-3.6	18.31	/	Pass
			6	22.04	-3.6	18.44	/	Pass
			13	21.94	-3.6	18.34	/	Pass
		25	0	21.95	-3.6	18.35	/	Pass
64QAM	3552.5	1	0	21.35	-3.6	17.75	/	Pass
			13	20.97	-3.6	17.37	/	Pass
			24	21.34	-3.6	17.74	/	Pass
		12	0	20.37	-3.6	16.77	/	Pass
			6	20.16	-3.6	16.56	/	Pass
			13	20.31	-3.6	16.71	/	Pass
		25	0	20.18	-3.6	16.58	/	Pass
	3625	1	0	21.31	-3.6	17.71	/	Pass
			13	21.31	-3.6	17.71	/	Pass
			24	21.33	-3.6	17.73	/	Pass
		12	0	20.35	-3.6	16.75	/	Pass
			6	20.58	-3.6	16.98	/	Pass
			13	20.63	-3.6	17.03	/	Pass
		25	0	20.46	-3.6	16.86	/	Pass
	3697.5	1	0	21.98	-3.6	18.38	/	Pass
			13	21.63	-3.6	18.03	/	Pass
			24	22.03	-3.6	18.43	/	Pass
		12	0	21.08	-3.6	17.48	/	Pass
			6	21.00	-3.6	17.4	/	Pass
			13	20.98	-3.6	17.38	/	Pass
		25	0	20.87	-3.6	17.27	/	Pass
256QAM	3552.5	1	0	18.60	-3.6	15	/	Pass
			13	18.11	-3.6	14.51	/	Pass
			24	18.07	-3.6	14.47	/	Pass
		12	0	18.14	-3.6	14.54	/	Pass
			6	18.16	-3.6	14.56	/	Pass
			13	18.26	-3.6	14.66	/	Pass
		25	0	18.16	-3.6	14.56	/	Pass
	3625	1	0	18.32	-3.6	14.72	/	Pass
			13	18.43	-3.6	14.83	/	Pass
			24	18.37	-3.6	14.77	/	Pass
		12	0	18.23	-3.6	14.63	/	Pass
			6	18.31	-3.6	14.71	/	Pass
			13	18.51	-3.6	14.91	/	Pass
		25	0	18.40	-3.6	14.8	/	Pass
	3697.5	1	0	18.49	-3.6	14.89	/	Pass
			13	19.13	-3.6	15.53	/	Pass
			24	18.59	-3.6	14.99	/	Pass
		12	0	18.69	-3.6	15.09	/	Pass
			6	18.99	-3.6	15.39	/	Pass
			13	18.88	-3.6	15.28	/	Pass
		25	0	18.81	-3.6	15.21	/	Pass

Note1: EIRP=Conducted Power+Antenna Gain

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1.2 B48_5MHz_EIRP/10MHz

1.2.1 Test Result

Band: 48 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP/10MHz (dBm/10MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	3552.5	1	0	21.84	-3.6	18.24	<=23	Pass
			13	22.72	-3.6	19.12	<=23	Pass
			24	22.47	-3.6	18.87	<=23	Pass
		12	0	21.93	-3.6	18.33	<=23	Pass
			6	20.86	-3.6	17.26	<=23	Pass
			13	22.22	-3.6	18.62	<=23	Pass
		25	0	21.55	-3.6	17.95	<=23	Pass
	3625	1	0	21.27	-3.6	17.67	<=23	Pass
			13	20.91	-3.6	17.31	<=23	Pass
			24	21.06	-3.6	17.46	<=23	Pass
		12	0	22.73	-3.6	19.13	<=23	Pass
			6	18.59	-3.6	14.99	<=23	Pass
			13	20.04	-3.6	16.44	<=23	Pass
		25	0	18.00	-3.6	14.4	<=23	Pass
	3697.5	1	0	21.80	-3.6	18.2	<=23	Pass
			13	24.96	-3.6	21.36	<=23	Pass
			24	20.93	-3.6	17.33	<=23	Pass
		12	0	21.29	-3.6	17.69	<=23	Pass
			6	23.15	-3.6	19.55	<=23	Pass
			13	23.61	-3.6	20.01	<=23	Pass
		25	0	18.00	-3.6	14.4	<=23	Pass
16QAM	3552.5	1	0	21.19	-3.6	17.59	<=23	Pass
			13	21.33	-3.6	17.73	<=23	Pass
			24	21.23	-3.6	17.63	<=23	Pass
		12	0	20.27	-3.6	16.67	<=23	Pass
			6	19.94	-3.6	16.34	<=23	Pass
			13	20.56	-3.6	16.96	<=23	Pass
		25	0	18.94	-3.6	15.34	<=23	Pass
	3625	1	0	21.13	-3.6	17.53	<=23	Pass
			13	21.10	-3.6	17.5	<=23	Pass
			24	20.76	-3.6	17.16	<=23	Pass
		12	0	21.23	-3.6	17.63	<=23	Pass
			6	21.36	-3.6	17.76	<=23	Pass
			13	21.01	-3.6	17.41	<=23	Pass
		25	0	21.21	-3.6	17.61	<=23	Pass
	3697.5	1	0	22.04	-3.6	18.44	<=23	Pass
			13	20.59	-3.6	16.99	<=23	Pass
			24	21.24	-3.6	17.64	<=23	Pass

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		12	0	22.35	-3.6	18.75	<=23	Pass
			6	22.83	-3.6	19.23	<=23	Pass
			13	21.51	-3.6	17.91	<=23	Pass
		25	0	21.81	-3.6	18.21	<=23	Pass
64QAM	3552.5	1	0	20.83	-3.6	17.23	<=23	Pass
			13	19.53	-3.6	15.93	<=23	Pass
			24	20.66	-3.6	17.06	<=23	Pass
		12	0	19.38	-3.6	15.78	<=23	Pass
			6	19.56	-3.6	15.96	<=23	Pass
			13	19.25	-3.6	15.65	<=23	Pass
		25	0	19.11	-3.6	15.51	<=23	Pass
	3625	1	0	20.78	-3.6	17.18	<=23	Pass
			13	21.38	-3.6	17.78	<=23	Pass
			24	21.42	-3.6	17.82	<=23	Pass
		12	0	20.61	-3.6	17.01	<=23	Pass
			6	18.84	-3.6	15.24	<=23	Pass
			13	18.81	-3.6	15.21	<=23	Pass
		25	0	19.91	-3.6	16.31	<=23	Pass
	3697.5	1	0	21.33	-3.6	17.73	<=23	Pass
			13	20.61	-3.6	17.01	<=23	Pass
			24	20.51	-3.6	16.91	<=23	Pass
		12	0	20.78	-3.6	17.18	<=23	Pass
			6	21.96	-3.6	18.36	<=23	Pass
			13	21.53	-3.6	17.93	<=23	Pass
		25	0	18.89	-3.6	15.29	<=23	Pass
256QAM	3552.5	1	0	17.53	-3.6	13.93	<=23	Pass
			13	17.42	-3.6	13.82	<=23	Pass
			24	17.79	-3.6	14.19	<=23	Pass
		12	0	17.12	-3.6	13.52	<=23	Pass
			6	17.80	-3.6	14.2	<=23	Pass
			13	17.01	-3.6	13.41	<=23	Pass
		25	0	17.92	-3.6	14.32	<=23	Pass
	3625	1	0	18.06	-3.6	14.46	<=23	Pass
			13	18.14	-3.6	14.54	<=23	Pass
			24	17.94	-3.6	14.34	<=23	Pass
		12	0	17.72	-3.6	14.12	<=23	Pass
			6	18.09	-3.6	14.49	<=23	Pass
			13	18.00	-3.6	14.4	<=23	Pass
		25	0	17.97	-3.6	14.37	<=23	Pass
	3697.5	1	0	18.58	-3.6	14.98	<=23	Pass
			13	17.32	-3.6	13.72	<=23	Pass
			24	18.49	-3.6	14.89	<=23	Pass
		12	0	16.98	-3.6	13.38	<=23	Pass
			6	18.87	-3.6	15.27	<=23	Pass
			13	17.22	-3.6	13.62	<=23	Pass
		25	0	18.38	-3.6	14.78	<=23	Pass
Note1: EIRP/10MHz=Conducted Power+Antenna Gain-2.15								

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1.3 B48_10MHz_EIRP

1.3.1 Test Result

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	23.25	-3.6	19.65	/	Pass
			25	23.05	-3.6	19.45	/	Pass
			49	23.20	-3.6	19.6	/	Pass
		25	0	22.18	-3.6	18.58	/	Pass
			13	22.19	-3.6	18.59	/	Pass
			25	22.17	-3.6	18.57	/	Pass
		50	0	22.21	-3.6	18.61	/	Pass
	3625	1	0	21.55	-3.6	17.95	/	Pass
			25	21.75	-3.6	18.15	/	Pass
			49	21.74	-3.6	18.14	/	Pass
		25	0	22.47	-3.6	18.87	/	Pass
			13	22.48	-3.6	18.88	/	Pass
			25	21.59	-3.6	17.99	/	Pass
		50	0	21.77	-3.6	18.17	/	Pass
	3695	1	0	21.14	-3.6	17.54	/	Pass
			25	21.69	-3.6	18.09	/	Pass
			49	21.75	-3.6	18.15	/	Pass
		25	0	21.14	-3.6	17.54	/	Pass
			13	21.43	-3.6	17.83	/	Pass
			25	21.97	-3.6	18.37	/	Pass
		50	0	21.82	-3.6	18.22	/	Pass
16QAM	3555	1	0	22.47	-3.6	18.87	/	Pass
			25	21.91	-3.6	18.31	/	Pass
			49	22.38	-3.6	18.78	/	Pass
		25	0	21.33	-3.6	17.73	/	Pass
			13	21.31	-3.6	17.71	/	Pass
			25	21.30	-3.6	17.7	/	Pass
		50	0	21.27	-3.6	17.67	/	Pass
	3625	1	0	21.76	-3.6	18.16	/	Pass
			25	21.58	-3.6	17.98	/	Pass
			49	21.64	-3.6	18.04	/	Pass
		25	0	20.94	-3.6	17.34	/	Pass
			13	21.61	-3.6	18.01	/	Pass
			25	21.62	-3.6	18.02	/	Pass
		50	0	21.51	-3.6	17.91	/	Pass
	3695	1	0	21.64	-3.6	18.04	/	Pass
			25	21.44	-3.6	17.84	/	Pass
			49	21.54	-3.6	17.94	/	Pass
		25	0	21.65	-3.6	18.05	/	Pass
			13	21.92	-3.6	18.32	/	Pass

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			25	21.96	-3.6	18.36	/	Pass
		50	0	21.89	-3.6	18.29	/	Pass
64QAM	3555	1	0	21.02	-3.6	17.42	/	Pass
			25	21.51	-3.6	17.91	/	Pass
			49	20.69	-3.6	17.09	/	Pass
		25	0	20.23	-3.6	16.63	/	Pass
			13	20.24	-3.6	16.64	/	Pass
			25	20.19	-3.6	16.59	/	Pass
		50	0	20.14	-3.6	16.54	/	Pass
	3625	1	0	21.56	-3.6	17.96	/	Pass
			25	21.74	-3.6	18.14	/	Pass
			49	21.63	-3.6	18.03	/	Pass
		25	0	21.52	-3.6	17.92	/	Pass
			13	21.64	-3.6	18.04	/	Pass
			25	21.52	-3.6	17.92	/	Pass
		50	0	20.94	-3.6	17.34	/	Pass
	3695	1	0	21.50	-3.6	17.9	/	Pass
			25	21.10	-3.6	17.5	/	Pass
			49	21.53	-3.6	17.93	/	Pass
		25	0	21.70	-3.6	18.1	/	Pass
			13	21.93	-3.6	18.33	/	Pass
			25	21.54	-3.6	17.94	/	Pass
		50	0	21.70	-3.6	18.1	/	Pass
256QAM	3555	1	0	18.37	-3.6	14.77	/	Pass
			25	18.41	-3.6	14.81	/	Pass
			49	18.17	-3.6	14.57	/	Pass
		25	0	18.37	-3.6	14.77	/	Pass
			13	18.29	-3.6	14.69	/	Pass
			25	18.27	-3.6	14.67	/	Pass
		50	0	18.34	-3.6	14.74	/	Pass
	3625	1	0	18.14	-3.6	14.54	/	Pass
			25	18.05	-3.6	14.45	/	Pass
			49	18.04	-3.6	14.44	/	Pass
		25	0	18.30	-3.6	14.7	/	Pass
			13	18.38	-3.6	14.78	/	Pass
			25	18.23	-3.6	14.63	/	Pass
		50	0	18.32	-3.6	14.72	/	Pass
	3695	1	0	18.61	-3.6	15.01	/	Pass
			25	18.86	-3.6	15.26	/	Pass
			49	18.90	-3.6	15.3	/	Pass
		25	0	18.63	-3.6	15.03	/	Pass
			13	18.60	-3.6	15	/	Pass
			25	18.70	-3.6	15.1	/	Pass
		50	0	18.76	-3.6	15.16	/	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

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1.4 B48_10MHz_EIRP/10MHz

1.4.1 Test Result

Band: 48 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP/10MHz (dBm/10MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	3555	1	0	22.74	-3.6	19.14	<=23	Pass
			25	22.39	-3.6	18.79	<=23	Pass
			49	22.62	-3.6	19.02	<=23	Pass
		25	0	21.48	-3.6	17.88	<=23	Pass
			13	21.49	-3.6	17.89	<=23	Pass
			25	21.57	-3.6	17.97	<=23	Pass
		50	0	21.42	-3.6	17.82	<=23	Pass
	3625	1	0	21.14	-3.6	17.54	<=23	Pass
			25	21.37	-3.6	17.77	<=23	Pass
			49	21.18	-3.6	17.58	<=23	Pass
		25	0	22.04	-3.6	18.44	<=23	Pass
			13	22.30	-3.6	18.7	<=23	Pass
			25	20.11	-3.6	16.51	<=23	Pass
		50	0	21.21	-3.6	17.61	<=23	Pass
	3695	1	0	21.46	-3.6	17.86	<=23	Pass
			25	21.29	-3.6	17.69	<=23	Pass
			49	21.79	-3.6	18.19	<=23	Pass
		25	0	21.57	-3.6	17.97	<=23	Pass
			13	21.65	-3.6	18.05	<=23	Pass
			25	20.50	-3.6	16.9	<=23	Pass
		50	0	21.53	-3.6	17.93	<=23	Pass
16QAM	3555	1	0	21.71	-3.6	18.11	<=23	Pass
			25	21.24	-3.6	17.64	<=23	Pass
			49	21.74	-3.6	18.14	<=23	Pass
		25	0	20.49	-3.6	16.89	<=23	Pass
			13	20.54	-3.6	16.94	<=23	Pass
			25	20.51	-3.6	16.91	<=23	Pass
		50	0	20.61	-3.6	17.01	<=23	Pass
	3625	1	0	20.92	-3.6	17.32	<=23	Pass
			25	20.92	-3.6	17.32	<=23	Pass
			49	20.54	-3.6	16.94	<=23	Pass
		25	0	20.84	-3.6	17.24	<=23	Pass
			13	21.04	-3.6	17.44	<=23	Pass
			25	19.10	-3.6	15.5	<=23	Pass
		50	0	15.44	-3.6	11.84	<=23	Pass
	3695	1	0	21.42	-3.6	17.82	<=23	Pass
			25	20.14	-3.6	16.54	<=23	Pass
			49	20.56	-3.6	16.96	<=23	Pass
		25	0	21.30	-3.6	17.7	<=23	Pass
			13	21.22	-3.6	17.62	<=23	Pass

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			25	19.56	-3.6	15.96	<=23	Pass
		50	0	21.56	-3.6	17.96	<=23	Pass
64QAM	3555	1	0	20.36	-3.6	16.76	<=23	Pass
			25	20.62	-3.6	17.02	<=23	Pass
			49	20.73	-3.6	17.13	<=23	Pass
		25	0	19.53	-3.6	15.93	<=23	Pass
			13	19.47	-3.6	15.87	<=23	Pass
			25	19.23	-3.6	15.63	<=23	Pass
		50	0	19.47	-3.6	15.87	<=23	Pass
	3625	1	0	20.78	-3.6	17.18	<=23	Pass
			25	21.27	-3.6	17.67	<=23	Pass
			49	19.11	-3.6	15.51	<=23	Pass
		25	0	19.87	-3.6	16.27	<=23	Pass
			13	20.06	-3.6	16.46	<=23	Pass
			25	18.11	-3.6	14.51	<=23	Pass
		50	0	20.23	-3.6	16.63	<=23	Pass
	3695	1	0	22.01	-3.6	18.41	<=23	Pass
			25	22.30	-3.6	18.7	<=23	Pass
			49	19.73	-3.6	16.13	<=23	Pass
		25	0	21.04	-3.6	17.44	<=23	Pass
			13	20.74	-3.6	17.14	<=23	Pass
			25	18.43	-3.6	14.83	<=23	Pass
		50	0	17.54	-3.6	13.94	<=23	Pass
256QAM	3555	1	0	17.73	-3.6	14.13	<=23	Pass
			25	17.49	-3.6	13.89	<=23	Pass
			49	17.56	-3.6	13.96	<=23	Pass
		25	0	17.54	-3.6	13.94	<=23	Pass
			13	17.67	-3.6	14.07	<=23	Pass
			25	17.27	-3.6	13.67	<=23	Pass
		50	0	17.63	-3.6	14.03	<=23	Pass
	3625	1	0	18.21	-3.6	14.61	<=23	Pass
			25	17.95	-3.6	14.35	<=23	Pass
			49	18.05	-3.6	14.45	<=23	Pass
		25	0	17.57	-3.6	13.97	<=23	Pass
			13	18.11	-3.6	14.51	<=23	Pass
			25	18.15	-3.6	14.55	<=23	Pass
		50	0	17.94	-3.6	14.34	<=23	Pass
	3695	1	0	18.58	-3.6	14.98	<=23	Pass
			25	18.50	-3.6	14.9	<=23	Pass
			49	18.67	-3.6	15.07	<=23	Pass
		25	0	18.38	-3.6	14.78	<=23	Pass
			13	18.50	-3.6	14.9	<=23	Pass
			25	18.65	-3.6	15.05	<=23	Pass
		50	0	18.52	-3.6	14.92	<=23	Pass

Note1: EIRP/10MHz=Conducted Power+Antenna Gain

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1.5 B48_15MHz_EIRP

1.5.1 Test Result

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	22.88	-3.6	19.28	/	Pass
			38	22.79	-3.6	19.19	/	Pass
			74	22.94	-3.6	19.34	/	Pass
		36	0	22.00	-3.6	18.4	/	Pass
			18	22.08	-3.6	18.48	/	Pass
			39	21.96	-3.6	18.36	/	Pass
		75	0	22.08	-3.6	18.48	/	Pass
	3625	1	0	21.39	-3.6	17.79	/	Pass
			38	21.40	-3.6	17.8	/	Pass
			74	21.39	-3.6	17.79	/	Pass
		36	0	22.29	-3.6	18.69	/	Pass
			18	21.33	-3.6	17.73	/	Pass
			39	20.72	-3.6	17.12	/	Pass
		75	0	21.30	-3.6	17.7	/	Pass
	3692.5	1	0	21.45	-3.6	17.85	/	Pass
			38	21.52	-3.6	17.92	/	Pass
			74	20.96	-3.6	17.36	/	Pass
		36	0	22.63	-3.6	19.03	/	Pass
			18	21.57	-3.6	17.97	/	Pass
			39	21.42	-3.6	17.82	/	Pass
		75	0	21.55	-3.6	17.95	/	Pass
16QAM	3557.5	1	0	21.77	-3.6	18.17	/	Pass
			38	21.93	-3.6	18.33	/	Pass
			74	21.94	-3.6	18.34	/	Pass
		36	0	21.02	-3.6	17.42	/	Pass
			18	21.10	-3.6	17.5	/	Pass
			39	20.98	-3.6	17.38	/	Pass
		75	0	20.97	-3.6	17.37	/	Pass
	3625	1	0	21.29	-3.6	17.69	/	Pass
			38	21.35	-3.6	17.75	/	Pass
			74	21.47	-3.6	17.87	/	Pass
		36	0	21.17	-3.6	17.57	/	Pass
			18	21.44	-3.6	17.84	/	Pass
			39	21.43	-3.6	17.83	/	Pass
		75	0	21.45	-3.6	17.85	/	Pass
	3692.5	1	0	21.55	-3.6	17.95	/	Pass
			38	21.67	-3.6	18.07	/	Pass
			74	21.01	-3.6	17.41	/	Pass
		36	0	21.57	-3.6	17.97	/	Pass
			18	21.66	-3.6	18.06	/	Pass

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			39	21.00	-3.6	17.4	/	Pass
		75	0	21.59	-3.6	17.99	/	Pass
64QAM	3557.5	1	0	21.35	-3.6	17.75	/	Pass
			38	20.46	-3.6	16.86	/	Pass
			74	21.24	-3.6	17.64	/	Pass
		36	0	20.02	-3.6	16.42	/	Pass
			18	20.02	-3.6	16.42	/	Pass
			39	20.11	-3.6	16.51	/	Pass
		75	0	20.06	-3.6	16.46	/	Pass
	3625	1	0	21.45	-3.6	17.85	/	Pass
			38	21.46	-3.6	17.86	/	Pass
			74	21.43	-3.6	17.83	/	Pass
		36	0	20.76	-3.6	17.16	/	Pass
			18	21.44	-3.6	17.84	/	Pass
			39	20.98	-3.6	17.38	/	Pass
		75	0	21.34	-3.6	17.74	/	Pass
	3692.5	1	0	21.39	-3.6	17.79	/	Pass
			38	21.57	-3.6	17.97	/	Pass
			74	21.64	-3.6	18.04	/	Pass
		36	0	21.57	-3.6	17.97	/	Pass
			18	21.41	-3.6	17.81	/	Pass
			39	21.04	-3.6	17.44	/	Pass
		75	0	21.69	-3.6	18.09	/	Pass
256QAM	3557.5	1	0	17.90	-3.6	14.3	/	Pass
			38	17.90	-3.6	14.3	/	Pass
			74	18.06	-3.6	14.46	/	Pass
		36	0	18.12	-3.6	14.52	/	Pass
			18	18.00	-3.6	14.4	/	Pass
			39	17.94	-3.6	14.34	/	Pass
		75	0	18.07	-3.6	14.47	/	Pass
	3625	1	0	18.28	-3.6	14.68	/	Pass
			38	18.40	-3.6	14.8	/	Pass
			74	17.88	-3.6	14.28	/	Pass
		36	0	18.08	-3.6	14.48	/	Pass
			18	18.04	-3.6	14.44	/	Pass
			39	18.16	-3.6	14.56	/	Pass
		75	0	18.20	-3.6	14.6	/	Pass
	3692.5	1	0	18.27	-3.6	14.67	/	Pass
			38	18.37	-3.6	14.77	/	Pass
			74	18.78	-3.6	15.18	/	Pass
		36	0	18.48	-3.6	14.88	/	Pass
			18	18.66	-3.6	15.06	/	Pass
			39	18.63	-3.6	15.03	/	Pass
		75	0	18.65	-3.6	15.05	/	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

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1.6 B48_15MHz_EIRP/10MHz

1.6.1 Test Result

Band: 48 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP/10MHz (dBm/10MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	3557.5	1	0	22.26	-3.6	18.66	<=23	Pass
			38	22.31	-3.6	18.71	<=23	Pass
			74	22.18	-3.6	18.58	<=23	Pass
		36	0	21.23	-3.6	17.63	<=23	Pass
			18	21.14	-3.6	17.54	<=23	Pass
			39	21.34	-3.6	17.74	<=23	Pass
		75	0	20.00	-3.6	16.4	<=23	Pass
	3625	1	0	21.37	-3.6	17.77	<=23	Pass
			38	21.35	-3.6	17.75	<=23	Pass
			74	21.14	-3.6	17.54	<=23	Pass
		36	0	21.26	-3.6	17.66	<=23	Pass
			18	20.24	-3.6	16.64	<=23	Pass
			39	20.40	-3.6	16.8	<=23	Pass
		75	0	19.07	-3.6	15.47	<=23	Pass
	3692.5	1	0	21.90	-3.6	18.3	<=23	Pass
			38	21.65	-3.6	18.05	<=23	Pass
			74	21.51	-3.6	17.91	<=23	Pass
		36	0	22.55	-3.6	18.95	<=23	Pass
			18	20.63	-3.6	17.03	<=23	Pass
			39	20.80	-3.6	17.2	<=23	Pass
		75	0	19.48	-3.6	15.88	<=23	Pass
16QAM	3557.5	1	0	21.56	-3.6	17.96	<=23	Pass
			38	21.24	-3.6	17.64	<=23	Pass
			74	21.54	-3.6	17.94	<=23	Pass
		36	0	20.35	-3.6	16.75	<=23	Pass
			18	20.60	-3.6	17	<=23	Pass
			39	20.21	-3.6	16.61	<=23	Pass
		75	0	19.03	-3.6	15.43	<=23	Pass
	3625	1	0	21.93	-3.6	18.33	<=23	Pass
			38	20.21	-3.6	16.61	<=23	Pass
			74	20.16	-3.6	16.56	<=23	Pass
		36	0	19.53	-3.6	15.93	<=23	Pass
			18	19.33	-3.6	15.73	<=23	Pass
			39	19.26	-3.6	15.66	<=23	Pass
		75	0	18.20	-3.6	14.6	<=23	Pass
	3692.5	1	0	22.29	-3.6	18.69	<=23	Pass
			38	20.78	-3.6	17.18	<=23	Pass
			74	20.90	-3.6	17.3	<=23	Pass
		36	0	19.91	-3.6	16.31	<=23	Pass
			18	19.85	-3.6	16.25	<=23	Pass

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			39	19.44	-3.6	15.84	<=23	Pass
		75	0	18.47	-3.6	14.87	<=23	Pass
64QAM	3557.5	1	0	20.05	-3.6	16.45	<=23	Pass
			38	20.54	-3.6	16.94	<=23	Pass
			74	20.22	-3.6	16.62	<=23	Pass
		36	0	19.19	-3.6	15.59	<=23	Pass
			18	19.29	-3.6	15.69	<=23	Pass
			39	19.54	-3.6	15.94	<=23	Pass
		75	0	18.04	-3.6	14.44	<=23	Pass
	3625	1	0	19.50	-3.6	15.9	<=23	Pass
			38	19.44	-3.6	15.84	<=23	Pass
			74	19.53	-3.6	15.93	<=23	Pass
		36	0	18.42	-3.6	14.82	<=23	Pass
			18	18.31	-3.6	14.71	<=23	Pass
			39	18.45	-3.6	14.85	<=23	Pass
		75	0	17.15	-3.6	13.55	<=23	Pass
	3692.5	1	0	21.29	-3.6	17.69	<=23	Pass
			38	19.92	-3.6	16.32	<=23	Pass
			74	19.89	-3.6	16.29	<=23	Pass
		36	0	18.57	-3.6	14.97	<=23	Pass
			18	18.97	-3.6	15.37	<=23	Pass
			39	18.93	-3.6	15.33	<=23	Pass
		75	0	17.31	-3.6	13.71	<=23	Pass
256QAM	3557.5	1	0	17.31	-3.6	13.71	<=23	Pass
			38	16.92	-3.6	13.32	<=23	Pass
			74	17.51	-3.6	13.91	<=23	Pass
		36	0	17.35	-3.6	13.75	<=23	Pass
			18	17.21	-3.6	13.61	<=23	Pass
			39	17.27	-3.6	13.67	<=23	Pass
		75	0	16.05	-3.6	12.45	<=23	Pass
	3625	1	0	18.43	-3.6	14.83	<=23	Pass
			38	18.37	-3.6	14.77	<=23	Pass
			74	18.27	-3.6	14.67	<=23	Pass
		36	0	18.45	-3.6	14.85	<=23	Pass
			18	18.47	-3.6	14.87	<=23	Pass
			39	18.39	-3.6	14.79	<=23	Pass
		75	0	16.93	-3.6	13.33	<=23	Pass
	3692.5	1	0	19.01	-3.6	15.41	<=23	Pass
			38	19.24	-3.6	15.64	<=23	Pass
			74	19.38	-3.6	15.78	<=23	Pass
		36	0	19.19	-3.6	15.59	<=23	Pass
			18	19.12	-3.6	15.52	<=23	Pass
			39	19.35	-3.6	15.75	<=23	Pass
		75	0	17.86	-3.6	14.26	<=23	Pass

Note1: EIRP/10MHz=Conducted Power+Antenna Gain

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1.7 B48_20MHz_EIRP

1.7.1 Test Result

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	23.10	-3.6	19.5	/	Pass
			50	23.06	-3.6	19.46	/	Pass
			99	22.82	-3.6	19.22	/	Pass
		50	0	22.07	-3.6	18.47	/	Pass
			25	22.04	-3.6	18.44	/	Pass
			50	22.12	-3.6	18.52	/	Pass
		100	0	22.05	-3.6	18.45	/	Pass
	3625	1	0	21.16	-3.6	17.56	/	Pass
			50	21.49	-3.6	17.89	/	Pass
			99	21.53	-3.6	17.93	/	Pass
		50	0	22.17	-3.6	18.57	/	Pass
			25	21.49	-3.6	17.89	/	Pass
			50	21.51	-3.6	17.91	/	Pass
		100	0	20.82	-3.6	17.22	/	Pass
	3690	1	0	21.38	-3.6	17.78	/	Pass
			50	21.32	-3.6	17.72	/	Pass
			99	21.44	-3.6	17.84	/	Pass
		50	0	21.35	-3.6	17.75	/	Pass
			25	21.37	-3.6	17.77	/	Pass
			50	21.36	-3.6	17.76	/	Pass
		100	0	20.92	-3.6	17.32	/	Pass
16QAM	3560	1	0	22.17	-3.6	18.57	/	Pass
			50	22.00	-3.6	18.4	/	Pass
			99	22.00	-3.6	18.4	/	Pass
		50	0	20.97	-3.6	17.37	/	Pass
			25	21.19	-3.6	17.59	/	Pass
			50	21.13	-3.6	17.53	/	Pass
		100	0	21.15	-3.6	17.55	/	Pass
	3625	1	0	20.84	-3.6	17.24	/	Pass
			50	21.48	-3.6	17.88	/	Pass
			99	21.51	-3.6	17.91	/	Pass
		50	0	21.34	-3.6	17.74	/	Pass
			25	21.07	-3.6	17.47	/	Pass
			50	20.82	-3.6	17.22	/	Pass
		100	0	21.03	-3.6	17.43	/	Pass
	3690	1	0	21.50	-3.6	17.9	/	Pass
			50	21.47	-3.6	17.87	/	Pass
			99	20.96	-3.6	17.36	/	Pass
		50	0	21.54	-3.6	17.94	/	Pass
			25	20.99	-3.6	17.39	/	Pass

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Shenzhen Branch

			50	20.97	-3.6	17.37	/	Pass
		100	0	21.52	-3.6	17.92	/	Pass
64QAM	3560	1	0	20.76	-3.6	17.16	/	Pass
			50	20.75	-3.6	17.15	/	Pass
			99	21.20	-3.6	17.6	/	Pass
		50	0	20.15	-3.6	16.55	/	Pass
			25	20.22	-3.6	16.62	/	Pass
			50	20.06	-3.6	16.46	/	Pass
		100	0	19.96	-3.6	16.36	/	Pass
	3625	1	0	21.48	-3.6	17.88	/	Pass
			50	21.40	-3.6	17.8	/	Pass
			99	21.41	-3.6	17.81	/	Pass
		50	0	20.20	-3.6	16.6	/	Pass
			25	21.04	-3.6	17.44	/	Pass
			50	21.46	-3.6	17.86	/	Pass
		100	0	21.48	-3.6	17.88	/	Pass
	3690	1	0	20.93	-3.6	17.33	/	Pass
			50	21.47	-3.6	17.87	/	Pass
			99	21.36	-3.6	17.76	/	Pass
		50	0	21.48	-3.6	17.88	/	Pass
			25	20.93	-3.6	17.33	/	Pass
			50	21.47	-3.6	17.87	/	Pass
		100	0	21.41	-3.6	17.81	/	Pass
256QAM	3560	1	0	17.90	-3.6	14.3	/	Pass
			50	18.08	-3.6	14.48	/	Pass
			99	18.03	-3.6	14.43	/	Pass
		50	0	18.03	-3.6	14.43	/	Pass
			25	18.14	-3.6	14.54	/	Pass
			50	18.09	-3.6	14.49	/	Pass
		100	0	18.17	-3.6	14.57	/	Pass
	3625	1	0	18.09	-3.6	14.49	/	Pass
			50	18.14	-3.6	14.54	/	Pass
			99	18.61	-3.6	15.01	/	Pass
		50	0	18.12	-3.6	14.52	/	Pass
			25	18.21	-3.6	14.61	/	Pass
			50	18.16	-3.6	14.56	/	Pass
		100	0	18.31	-3.6	14.71	/	Pass
	3690	1	0	18.47	-3.6	14.87	/	Pass
			50	18.26	-3.6	14.66	/	Pass
			99	18.38	-3.6	14.78	/	Pass
		50	0	18.57	-3.6	14.97	/	Pass
			25	18.71	-3.6	15.11	/	Pass
			50	18.64	-3.6	15.04	/	Pass
		100	0	18.63	-3.6	15.03	/	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

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1.8 B48_20MHz_EIRP/10MHz

1.8.1 Test Result

Band: 48 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP/10MHz (dBm/10MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	3560	1	0	22.54	-3.6	18.94	<=23	Pass
			50	22.36	-3.6	18.76	<=23	Pass
			99	22.63	-3.6	19.03	<=23	Pass
		50	0	21.37	-3.6	17.77	<=23	Pass
			25	21.23	-3.6	17.63	<=23	Pass
			50	21.41	-3.6	17.81	<=23	Pass
		100	0	18.98	-3.6	15.38	<=23	Pass
	3625	1	0	22.41	-3.6	18.81	<=23	Pass
			50	21.83	-3.6	18.23	<=23	Pass
			99	21.93	-3.6	18.33	<=23	Pass
		50	0	20.98	-3.6	17.38	<=23	Pass
			25	21.03	-3.6	17.43	<=23	Pass
			50	20.98	-3.6	17.38	<=23	Pass
		100	0	18.35	-3.6	14.75	<=23	Pass
	3690	1	0	22.70	-3.6	19.1	<=23	Pass
			50	22.03	-3.6	18.43	<=23	Pass
			99	22.06	-3.6	18.46	<=23	Pass
		50	0	22.84	-3.6	19.24	<=23	Pass
			25	21.28	-3.6	17.68	<=23	Pass
			50	21.12	-3.6	17.52	<=23	Pass
		100	0	18.78	-3.6	15.18	<=23	Pass
16QAM	3560	1	0	21.36	-3.6	17.76	<=23	Pass
			50	21.06	-3.6	17.46	<=23	Pass
			99	21.72	-3.6	18.12	<=23	Pass
		50	0	20.44	-3.6	16.84	<=23	Pass
			25	20.24	-3.6	16.64	<=23	Pass
			50	20.64	-3.6	17.04	<=23	Pass
		100	0	17.88	-3.6	14.28	<=23	Pass
	3625	1	0	22.45	-3.6	18.85	<=23	Pass
			50	20.91	-3.6	17.31	<=23	Pass
			99	21.06	-3.6	17.46	<=23	Pass
		50	0	20.70	-3.6	17.1	<=23	Pass
			25	20.06	-3.6	16.46	<=23	Pass
			50	20.07	-3.6	16.47	<=23	Pass
		100	0	17.49	-3.6	13.89	<=23	Pass
	3690	1	0	22.61	-3.6	19.01	<=23	Pass
			50	20.89	-3.6	17.29	<=23	Pass
			99	21.50	-3.6	17.9	<=23	Pass
		50	0	21.50	-3.6	17.9	<=23	Pass
			25	20.40	-3.6	16.8	<=23	Pass

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			50	20.50	-3.6	16.9	<=23	Pass
		100	0	17.80	-3.6	14.2	<=23	Pass
64QAM	3560	1	0	20.46	-3.6	16.86	<=23	Pass
			50	20.19	-3.6	16.59	<=23	Pass
			99	20.57	-3.6	16.97	<=23	Pass
		50	0	19.13	-3.6	15.53	<=23	Pass
			25	19.56	-3.6	15.96	<=23	Pass
			50	19.54	-3.6	15.94	<=23	Pass
		100	0	17.07	-3.6	13.47	<=23	Pass
	3625	1	0	21.76	-3.6	18.16	<=23	Pass
			50	20.20	-3.6	16.6	<=23	Pass
			99	19.96	-3.6	16.36	<=23	Pass
		50	0	19.37	-3.6	15.77	<=23	Pass
			25	19.02	-3.6	15.42	<=23	Pass
			50	19.18	-3.6	15.58	<=23	Pass
		100	0	16.58	-3.6	12.98	<=23	Pass
	3690	1	0	23.08	-3.6	19.48	<=23	Pass
			50	20.17	-3.6	16.57	<=23	Pass
			99	20.52	-3.6	16.92	<=23	Pass
		50	0	22.68	-3.6	19.08	<=23	Pass
			25	19.26	-3.6	15.66	<=23	Pass
			50	19.23	-3.6	15.63	<=23	Pass
		100	0	16.79	-3.6	13.19	<=23	Pass
256QAM	3560	1	0	17.15	-3.6	13.55	<=23	Pass
			50	17.93	-3.6	14.33	<=23	Pass
			99	17.61	-3.6	14.01	<=23	Pass
		50	0	17.32	-3.6	13.72	<=23	Pass
			25	17.55	-3.6	13.95	<=23	Pass
			50	17.40	-3.6	13.8	<=23	Pass
		100	0	15.02	-3.6	11.42	<=23	Pass
	3625	1	0	19.08	-3.6	15.48	<=23	Pass
			50	18.83	-3.6	15.23	<=23	Pass
			99	19.08	-3.6	15.48	<=23	Pass
		50	0	18.99	-3.6	15.39	<=23	Pass
			25	19.10	-3.6	15.5	<=23	Pass
			50	18.85	-3.6	15.25	<=23	Pass
		100	0	16.57	-3.6	12.97	<=23	Pass
	3690	1	0	20.09	-3.6	16.49	<=23	Pass
			50	20.05	-3.6	16.45	<=23	Pass
			99	19.70	-3.6	16.1	<=23	Pass
		50	0	19.80	-3.6	16.2	<=23	Pass
			25	20.00	-3.6	16.4	<=23	Pass
			50	19.84	-3.6	16.24	<=23	Pass
		100	0	17.16	-3.6	13.56	<=23	Pass
Note1: EIRP/10MHz=Conducted Power+Antenna Gain								

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2. Frequency Stability

2.1 B48_5MHz

2.1.1 Test Result

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	3.55	2.575	0.0007	/	Pass
					4.0	6.223	0.0018	/	Pass
					4.4	2.632	0.0007	/	Pass
				-30	4.0	3.433	0.0010	/	Pass
				-20	4.0	0.558	0.0002	/	Pass
				-10	4.0	3.576	0.0010	/	Pass
				0	4.0	2.303	0.0006	/	Pass
				10	4.0	6.223	0.0018	/	Pass
				30	4.0	3.977	0.0011	/	Pass
				40	4.0	5.279	0.0015	/	Pass
				50	4.0	5.536	0.0016	/	Pass
	3625	25	0	20	3.55	1.802	0.0005	/	Pass
					4.0	4.935	0.0014	/	Pass
					4.4	5.364	0.0015	/	Pass
				-30	4.0	2.317	0.0006	/	Pass
				-20	4.0	1.974	0.0005	/	Pass
				-10	4.0	6.738	0.0019	/	Pass
				0	4.0	-0.758	-0.0002	/	Pass
				10	4.0	5.293	0.0015	/	Pass
				30	4.0	4.778	0.0013	/	Pass
				40	4.0	4.148	0.0011	/	Pass
				50	4.0	5.350	0.0015	/	Pass
	3697.5	25	0	20	3.55	5.736	0.0016	/	Pass
					4.0	6.180	0.0017	/	Pass
					4.4	-0.958	-0.0003	/	Pass
				-30	4.0	5.636	0.0015	/	Pass
				-20	4.0	2.189	0.0006	/	Pass
				-10	4.0	2.460	0.0007	/	Pass
				0	4.0	5.221	0.0014	/	Pass
				10	4.0	6.852	0.0019	/	Pass
				30	4.0	6.838	0.0018	/	Pass
				40	4.0	4.177	0.0011	/	Pass
				50	4.0	0.944	0.0003	/	Pass
16QAM	3552.5	25	0	20	3.55	4.005	0.0011	/	Pass
					4.0	4.692	0.0013	/	Pass
					4.4	5.879	0.0017	/	Pass
				-30	4.0	5.879	0.0017	/	Pass

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				-20	4.0	0.887	0.0002	/	Pass
				-10	4.0	2.017	0.0006	/	Pass
				0	4.0	4.964	0.0014	/	Pass
				10	4.0	4.606	0.0013	/	Pass
				30	4.0	5.522	0.0016	/	Pass
				40	4.0	5.007	0.0014	/	Pass
				50	4.0	1.459	0.0004	/	Pass
	3625	25	0	20	3.55	6.022	0.0017	/	Pass
					4.0	4.091	0.0011	/	Pass
					4.4	1.917	0.0005	/	Pass
				-30	4.0	2.375	0.0007	/	Pass
				-20	4.0	5.736	0.0016	/	Pass
				-10	4.0	4.692	0.0013	/	Pass
				0	4.0	7.038	0.0019	/	Pass
				10	4.0	1.516	0.0004	/	Pass
				30	4.0	1.574	0.0004	/	Pass
				40	4.0	6.380	0.0018	/	Pass
				50	4.0	6.723	0.0019	/	Pass
	3697.5	25	0	20	3.55	1.345	0.0004	/	Pass
					4.0	-0.443	-0.0001	/	Pass
					4.4	5.736	0.0016	/	Pass
				-30	4.0	0.887	0.0002	/	Pass
				-20	4.0	2.389	0.0006	/	Pass
				-10	4.0	4.406	0.0012	/	Pass
				0	4.0	0.687	0.0002	/	Pass
				10	4.0	1.531	0.0004	/	Pass
				30	4.0	-0.014	0.0000	/	Pass
				40	4.0	1.531	0.0004	/	Pass
				50	4.0	4.721	0.0013	/	Pass
64QAM	3552.5	25	0	20	3.55	3.204	0.0009	/	Pass
					4.0	1.202	0.0003	/	Pass
					4.4	2.360	0.0007	/	Pass
				-30	4.0	5.164	0.0015	/	Pass
				-20	4.0	6.194	0.0017	/	Pass
				-10	4.0	2.360	0.0007	/	Pass
				0	4.0	1.945	0.0005	/	Pass
				10	4.0	3.147	0.0009	/	Pass
				30	4.0	6.423	0.0018	/	Pass
				40	4.0	3.090	0.0009	/	Pass
				50	4.0	1.802	0.0005	/	Pass
	3625	25	0	20	3.55	3.090	0.0009	/	Pass
					4.0	4.878	0.0013	/	Pass
					4.4	5.651	0.0016	/	Pass
				-30	4.0	2.418	0.0007	/	Pass
				-20	4.0	6.752	0.0019	/	Pass
				-10	4.0	1.116	0.0003	/	Pass
				0	4.0	5.150	0.0014	/	Pass
				10	4.0	5.608	0.0015	/	Pass

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				30	4.0	4.478	0.0012	/	Pass
				40	4.0	4.320	0.0012	/	Pass
				50	4.0	7.224	0.0020	/	Pass
	3697.5	25	0	20	3.55	3.819	0.0010	/	Pass
					4.0	4.120	0.0011	/	Pass
					4.4	2.789	0.0008	/	Pass
				-30	4.0	1.359	0.0004	/	Pass
				-20	4.0	4.120	0.0011	/	Pass
				-10	4.0	5.450	0.0015	/	Pass
				0	4.0	4.191	0.0011	/	Pass
				10	4.0	1.402	0.0004	/	Pass
				30	4.0	4.907	0.0013	/	Pass
				40	4.0	2.589	0.0007	/	Pass
				50	4.0	5.293	0.0014	/	Pass
256QAM	3552.5	25	0	20	3.55	4.649	0.0013	/	Pass
					4.0	5.121	0.0014	/	Pass
					4.4	6.795	0.0019	/	Pass
				-30	4.0	3.562	0.0010	/	Pass
				-20	4.0	3.991	0.0011	/	Pass
				-10	4.0	4.148	0.0012	/	Pass
				0	4.0	5.765	0.0016	/	Pass
				10	4.0	5.908	0.0017	/	Pass
				30	4.0	2.317	0.0007	/	Pass
				40	4.0	3.362	0.0009	/	Pass
				50	4.0	4.964	0.0014	/	Pass
	3625	25	0	20	3.55	5.679	0.0016	/	Pass
					4.0	2.646	0.0007	/	Pass
					4.4	4.692	0.0013	/	Pass
				-30	4.0	5.178	0.0014	/	Pass
				-20	4.0	2.131	0.0006	/	Pass
				-10	4.0	4.048	0.0011	/	Pass
				0	4.0	4.764	0.0013	/	Pass
				10	4.0	7.253	0.0020	/	Pass
				30	4.0	4.063	0.0011	/	Pass
				40	4.0	4.449	0.0012	/	Pass
				50	4.0	6.652	0.0018	/	Pass
	3697.5	25	0	20	3.55	-0.687	-0.0002	/	Pass
					4.0	2.203	0.0006	/	Pass
					4.4	5.393	0.0015	/	Pass
				-30	4.0	4.606	0.0012	/	Pass
				-20	4.0	5.293	0.0014	/	Pass
				-10	4.0	6.638	0.0018	/	Pass
				0	4.0	5.736	0.0016	/	Pass
				10	4.0	1.802	0.0005	/	Pass
				30	4.0	1.187	0.0003	/	Pass
				40	4.0	6.952	0.0019	/	Pass
				50	4.0	1.245	0.0003	/	Pass

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2.2 B48_10MHz

2.2.1 Test Result

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	3.55	4.663	0.0013	/	Pass
					4.0	6.266	0.0018	/	Pass
					4.4	2.918	0.0008	/	Pass
				-30	4.0	1.373	0.0004	/	Pass
				-20	4.0	2.918	0.0008	/	Pass
				-10	4.0	0.114	0.0000	/	Pass
				0	4.0	5.693	0.0016	/	Pass
				10	4.0	1.073	0.0003	/	Pass
				30	4.0	4.978	0.0014	/	Pass
				40	4.0	3.834	0.0011	/	Pass
				50	4.0	4.663	0.0013	/	Pass
	3625	50	0	20	3.55	1.416	0.0004	/	Pass
					4.0	1.016	0.0003	/	Pass
					4.4	3.376	0.0009	/	Pass
				-30	4.0	5.722	0.0016	/	Pass
				-20	4.0	0.458	0.0001	/	Pass
				-10	4.0	3.319	0.0009	/	Pass
				0	4.0	0.515	0.0001	/	Pass
				10	4.0	3.190	0.0009	/	Pass
				30	4.0	-1.488	-0.0004	/	Pass
				40	4.0	3.190	0.0009	/	Pass
				50	4.0	3.619	0.0010	/	Pass
	3695	50	0	20	3.55	0.715	0.0002	/	Pass
					4.0	0.086	0.0000	/	Pass
					4.4	1.101	0.0003	/	Pass
				-30	4.0	0.615	0.0002	/	Pass
				-20	4.0	2.389	0.0006	/	Pass
				-10	4.0	-0.801	-0.0002	/	Pass
				0	4.0	-0.315	-0.0001	/	Pass
				10	4.0	0.629	0.0002	/	Pass
				30	4.0	0.186	0.0001	/	Pass
				40	4.0	0.758	0.0002	/	Pass
				50	4.0	4.492	0.0012	/	Pass
16QAM	3555	50	0	20	3.55	6.452	0.0018	/	Pass
					4.0	0.730	0.0002	/	Pass
					4.4	0.501	0.0001	/	Pass
				-30	4.0	6.709	0.0019	/	Pass
				-20	4.0	4.549	0.0013	/	Pass
				-10	4.0	5.479	0.0015	/	Pass
				0	4.0	4.678	0.0013	/	Pass

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				10	4.0	3.705	0.0010	/	Pass
				30	4.0	4.406	0.0012	/	Pass
				40	4.0	6.909	0.0019	/	Pass
				50	4.0	3.963	0.0011	/	Pass
	3625	50	0	20	3.55	0.629	0.0002	/	Pass
					4.0	1.187	0.0003	/	Pass
					4.4	2.589	0.0007	/	Pass
				-30	4.0	4.020	0.0011	/	Pass
				-20	4.0	2.704	0.0007	/	Pass
				-10	4.0	4.063	0.0011	/	Pass
				0	4.0	3.519	0.0010	/	Pass
				10	4.0	5.050	0.0014	/	Pass
				30	4.0	5.980	0.0016	/	Pass
				40	4.0	0.544	0.0002	/	Pass
				50	4.0	1.903	0.0005	/	Pass
	3695	50	0	20	3.55	6.709	0.0018	/	Pass
					4.0	0.114	0.0000	/	Pass
					4.4	0.243	0.0001	/	Pass
				-30	4.0	3.104	0.0008	/	Pass
				-20	4.0	2.203	0.0006	/	Pass
				-10	4.0	1.173	0.0003	/	Pass
				0	4.0	3.448	0.0009	/	Pass
				10	4.0	-0.501	-0.0001	/	Pass
				30	4.0	4.520	0.0012	/	Pass
				40	4.0	3.777	0.0010	/	Pass
				50	4.0	0.014	0.0000	/	Pass
64QAM	3555	50	0	20	3.55	2.675	0.0008	/	Pass
					4.0	5.665	0.0016	/	Pass
					4.4	5.894	0.0017	/	Pass
				-30	4.0	4.334	0.0012	/	Pass
				-20	4.0	5.994	0.0017	/	Pass
				-10	4.0	1.459	0.0004	/	Pass
				0	4.0	4.950	0.0014	/	Pass
				10	4.0	4.964	0.0014	/	Pass
				30	4.0	5.879	0.0017	/	Pass
				40	4.0	6.151	0.0017	/	Pass
				50	4.0	6.552	0.0018	/	Pass
	3625	50	0	20	3.55	-0.286	-0.0001	/	Pass
					4.0	-0.486	-0.0001	/	Pass
					4.4	4.120	0.0011	/	Pass
				-30	4.0	-0.944	-0.0003	/	Pass
				-20	4.0	0.601	0.0002	/	Pass
				-10	4.0	-0.958	-0.0003	/	Pass
				0	4.0	0.086	0.0000	/	Pass
				10	4.0	1.473	0.0004	/	Pass
				30	4.0	2.089	0.0006	/	Pass
				40	4.0	0.100	0.0000	/	Pass
				50	4.0	-0.200	-0.0001	/	Pass

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	3695	50	0	20	3.55	4.778	0.0013	/	Pass
					4.0	1.001	0.0003	/	Pass
					4.4	-1.874	-0.0005	/	Pass
				-30	4.0	-0.186	-0.0001	/	Pass
				-20	4.0	-1.373	-0.0004	/	Pass
				-10	4.0	-0.029	0.0000	/	Pass
				0	4.0	2.346	0.0006	/	Pass
				10	4.0	1.187	0.0003	/	Pass
				30	4.0	2.775	0.0008	/	Pass
				40	4.0	4.563	0.0012	/	Pass
				50	4.0	2.375	0.0006	/	Pass
256QAM	3555	50	0	20	3.55	4.535	0.0013	/	Pass
					4.0	2.875	0.0008	/	Pass
					4.4	4.649	0.0013	/	Pass
				-30	4.0	4.764	0.0013	/	Pass
				-20	4.0	6.666	0.0019	/	Pass
				-10	4.0	5.293	0.0015	/	Pass
				0	4.0	1.616	0.0005	/	Pass
				10	4.0	6.552	0.0018	/	Pass
				30	4.0	2.060	0.0006	/	Pass
				40	4.0	5.307	0.0015	/	Pass
				50	4.0	2.174	0.0006	/	Pass
	3625	50	0	20	3.55	2.475	0.0007	/	Pass
					4.0	1.101	0.0003	/	Pass
					4.4	1.659	0.0005	/	Pass
				-30	4.0	3.633	0.0010	/	Pass
				-20	4.0	4.921	0.0014	/	Pass
				-10	4.0	5.178	0.0014	/	Pass
				0	4.0	4.005	0.0011	/	Pass
				10	4.0	-0.415	-0.0001	/	Pass
				30	4.0	1.230	0.0003	/	Pass
				40	4.0	3.877	0.0011	/	Pass
				50	4.0	5.293	0.0015	/	Pass
	3695	50	0	20	3.55	5.064	0.0014	/	Pass
					4.0	-0.401	-0.0001	/	Pass
					4.4	0.329	0.0001	/	Pass
				-30	4.0	4.034	0.0011	/	Pass
				-20	4.0	0.157	0.0000	/	Pass
				-10	4.0	1.359	0.0004	/	Pass
				0	4.0	2.418	0.0007	/	Pass
				10	4.0	0.043	0.0000	/	Pass
				30	4.0	1.960	0.0005	/	Pass
				40	4.0	-0.458	-0.0001	/	Pass
				50	4.0	0.014	0.0000	/	Pass

2.3 B48_15MHz

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2.3.1 Test Result

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	3.55	3.033	0.0009	/	Pass
					4.0	-0.286	-0.0001	/	Pass
					4.4	4.306	0.0012	/	Pass
				-30	4.0	-0.601	-0.0002	/	Pass
				-20	4.0	2.632	0.0007	/	Pass
				-10	4.0	0.443	0.0001	/	Pass
				0	4.0	0.429	0.0001	/	Pass
				10	4.0	0.672	0.0002	/	Pass
				30	4.0	-0.644	-0.0002	/	Pass
				40	4.0	0.687	0.0002	/	Pass
				50	4.0	6.065	0.0017	/	Pass
	3625	75	0	20	3.55	4.535	0.0013	/	Pass
					4.0	4.077	0.0011	/	Pass
					4.4	-0.401	-0.0001	/	Pass
				-30	4.0	4.792	0.0013	/	Pass
				-20	4.0	5.708	0.0016	/	Pass
				-10	4.0	1.531	0.0004	/	Pass
				0	4.0	2.217	0.0006	/	Pass
				10	4.0	-0.701	-0.0002	/	Pass
				30	4.0	5.622	0.0016	/	Pass
				40	4.0	4.978	0.0014	/	Pass
				50	4.0	2.732	0.0008	/	Pass
	3692.5	75	0	20	3.55	0.472	0.0001	/	Pass
					4.0	5.093	0.0014	/	Pass
					4.4	-0.973	-0.0003	/	Pass
				-30	4.0	3.276	0.0009	/	Pass
				-20	4.0	6.008	0.0016	/	Pass
				-10	4.0	4.191	0.0011	/	Pass
				0	4.0	0.114	0.0000	/	Pass
				10	4.0	1.059	0.0003	/	Pass
				30	4.0	-0.572	-0.0002	/	Pass
				40	4.0	-1.259	-0.0003	/	Pass
				50	4.0	3.762	0.0010	/	Pass
16QAM	3557.5	75	0	20	3.55	4.506	0.0013	/	Pass
					4.0	3.047	0.0009	/	Pass
					4.4	4.807	0.0014	/	Pass
				-30	4.0	2.060	0.0006	/	Pass
				-20	4.0	2.375	0.0007	/	Pass
				-10	4.0	4.492	0.0013	/	Pass
				0	4.0	0.272	0.0001	/	Pass
				10	4.0	2.460	0.0007	/	Pass
				30	4.0	5.121	0.0014	/	Pass
				40	4.0	4.764	0.0013	/	Pass

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				50	4.0	4.663	0.0013	/	Pass
	3625	75	0	20	3.55	4.807	0.0013	/	Pass
					4.0	0.014	0.0000	/	Pass
					4.4	2.303	0.0006	/	Pass
				-30	4.0	-0.157	0.0000	/	Pass
				-20	4.0	4.363	0.0012	/	Pass
				-10	4.0	6.652	0.0018	/	Pass
				0	4.0	-0.844	-0.0002	/	Pass
				10	4.0	3.591	0.0010	/	Pass
				30	4.0	3.777	0.0010	/	Pass
				40	4.0	-1.845	-0.0005	/	Pass
				50	4.0	4.306	0.0012	/	Pass
	3692.5	75	0	20	3.55	-0.987	-0.0003	/	Pass
					4.0	4.377	0.0012	/	Pass
					4.4	-0.501	-0.0001	/	Pass
				-30	4.0	0.386	0.0001	/	Pass
				-20	4.0	4.907	0.0013	/	Pass
				-10	4.0	4.349	0.0012	/	Pass
				0	4.0	-0.215	-0.0001	/	Pass
				10	4.0	1.202	0.0003	/	Pass
				30	4.0	1.445	0.0004	/	Pass
				40	4.0	-0.401	-0.0001	/	Pass
				50	4.0	0.815	0.0002	/	Pass
64QAM	3557.5	75	0	20	3.55	1.874	0.0005	/	Pass
					4.0	1.745	0.0005	/	Pass
					4.4	-1.059	-0.0003	/	Pass
				-30	4.0	5.550	0.0016	/	Pass
				-20	4.0	2.074	0.0006	/	Pass
				-10	4.0	0.186	0.0001	/	Pass
				0	4.0	3.762	0.0011	/	Pass
				10	4.0	2.975	0.0008	/	Pass
				30	4.0	4.978	0.0014	/	Pass
				40	4.0	4.549	0.0013	/	Pass
				50	4.0	2.003	0.0006	/	Pass
	3625	75	0	20	3.55	1.917	0.0005	/	Pass
					4.0	1.101	0.0003	/	Pass
					4.4	1.731	0.0005	/	Pass
				-30	4.0	-0.329	-0.0001	/	Pass
				-20	4.0	4.020	0.0011	/	Pass
				-10	4.0	-0.229	-0.0001	/	Pass
				0	4.0	4.735	0.0013	/	Pass
				10	4.0	-0.215	-0.0001	/	Pass
				30	4.0	4.263	0.0012	/	Pass
				40	4.0	3.819	0.0011	/	Pass
				50	4.0	5.279	0.0015	/	Pass
	3692.5	75	0	20	3.55	4.177	0.0011	/	Pass
					4.0	-0.029	0.0000	/	Pass
					4.4	3.591	0.0010	/	Pass

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				-30	4.0	5.336	0.0014	/	Pass
				-20	4.0	0.401	0.0001	/	Pass
				-10	4.0	3.119	0.0008	/	Pass
				0	4.0	-0.958	-0.0003	/	Pass
				10	4.0	0.401	0.0001	/	Pass
				30	4.0	4.520	0.0012	/	Pass
				40	4.0	3.619	0.0010	/	Pass
				50	4.0	-2.160	-0.0006	/	Pass
256QAM	3557.5	75	0	20	3.55	1.459	0.0004	/	Pass
					4.0	5.035	0.0014	/	Pass
					4.4	2.446	0.0007	/	Pass
				-30	4.0	6.523	0.0018	/	Pass
				-20	4.0	1.860	0.0005	/	Pass
				-10	4.0	0.415	0.0001	/	Pass
				0	4.0	2.847	0.0008	/	Pass
				10	4.0	2.346	0.0007	/	Pass
				30	4.0	2.818	0.0008	/	Pass
				40	4.0	5.250	0.0015	/	Pass
				50	4.0	2.990	0.0008	/	Pass
	3625	75	0	20	3.55	1.059	0.0003	/	Pass
					4.0	4.835	0.0013	/	Pass
					4.4	5.407	0.0015	/	Pass
				-30	4.0	5.994	0.0017	/	Pass
				-20	4.0	1.216	0.0003	/	Pass
				-10	4.0	-0.744	-0.0002	/	Pass
				0	4.0	1.917	0.0005	/	Pass
				10	4.0	0.858	0.0002	/	Pass
				30	4.0	3.176	0.0009	/	Pass
				40	4.0	3.562	0.0010	/	Pass
				50	4.0	4.520	0.0012	/	Pass
	3692.5	75	0	20	3.55	0.257	0.0001	/	Pass
					4.0	1.802	0.0005	/	Pass
					4.4	4.277	0.0012	/	Pass
				-30	4.0	4.492	0.0012	/	Pass
				-20	4.0	4.106	0.0011	/	Pass
				-10	4.0	1.817	0.0005	/	Pass
				0	4.0	3.734	0.0010	/	Pass
				10	4.0	-1.588	-0.0004	/	Pass
				30	4.0	0.572	0.0002	/	Pass
				40	4.0	2.675	0.0007	/	Pass
				50	4.0	1.631	0.0004	/	Pass

2.4 B48_20MHz

2.4.1 Test Result

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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	3560	100	0	20	3.55	6.309	0.0018	/	Pass
					4.0	1.345	0.0004	/	Pass
					4.4	1.917	0.0005	/	Pass
				-30	4.0	5.250	0.0015	/	Pass
				-20	4.0	3.419	0.0010	/	Pass
				-10	4.0	1.903	0.0005	/	Pass
				0	4.0	1.960	0.0006	/	Pass
				10	4.0	5.822	0.0016	/	Pass
				30	4.0	1.688	0.0005	/	Pass
				40	4.0	0.901	0.0003	/	Pass
				50	4.0	3.290	0.0009	/	Pass
	3625	100	0	20	3.55	3.433	0.0009	/	Pass
					4.0	0.114	0.0000	/	Pass
					4.4	-0.315	-0.0001	/	Pass
				-30	4.0	2.089	0.0006	/	Pass
				-20	4.0	3.648	0.0010	/	Pass
				-10	4.0	5.207	0.0014	/	Pass
				0	4.0	4.807	0.0013	/	Pass
				10	4.0	-0.243	-0.0001	/	Pass
				30	4.0	2.103	0.0006	/	Pass
				40	4.0	4.649	0.0013	/	Pass
				50	4.0	1.259	0.0003	/	Pass
	3690	100	0	20	3.55	0.529	0.0001	/	Pass
					4.0	5.794	0.0016	/	Pass
					4.4	5.951	0.0016	/	Pass
				-30	4.0	4.234	0.0011	/	Pass
				-20	4.0	2.074	0.0006	/	Pass
				-10	4.0	1.659	0.0004	/	Pass
				0	4.0	3.576	0.0010	/	Pass
				10	4.0	3.891	0.0011	/	Pass
				30	4.0	5.193	0.0014	/	Pass
				40	4.0	0.429	0.0001	/	Pass
				50	4.0	-0.100	0.0000	/	Pass
16QAM	3560	100	0	20	3.55	5.894	0.0017	/	Pass
					4.0	5.779	0.0016	/	Pass
					4.4	5.636	0.0016	/	Pass
				-30	4.0	1.445	0.0004	/	Pass
				-20	4.0	0.658	0.0002	/	Pass
				-10	4.0	5.021	0.0014	/	Pass
				0	4.0	0.973	0.0003	/	Pass
				10	4.0	1.044	0.0003	/	Pass
				30	4.0	2.904	0.0008	/	Pass
				40	4.0	0.043	0.0000	/	Pass
				50	4.0	1.373	0.0004	/	Pass
	3625	100	0	20	3.55	4.292	0.0012	/	Pass

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					4.0	4.148	0.0011	/	Pass
					4.4	1.230	0.0003	/	Pass
				-30	4.0	4.807	0.0013	/	Pass
				-20	4.0	5.536	0.0015	/	Pass
				-10	4.0	2.775	0.0008	/	Pass
				0	4.0	1.731	0.0005	/	Pass
				10	4.0	4.334	0.0012	/	Pass
				30	4.0	1.030	0.0003	/	Pass
				40	4.0	-0.658	-0.0002	/	Pass
				50	4.0	-0.873	-0.0002	/	Pass
	3690	100	0	20	3.55	2.375	0.0006	/	Pass
					4.0	0.744	0.0002	/	Pass
					4.4	3.090	0.0008	/	Pass
				-30	4.0	3.347	0.0009	/	Pass
				-20	4.0	-0.372	-0.0001	/	Pass
				-10	4.0	2.561	0.0007	/	Pass
				0	4.0	3.376	0.0009	/	Pass
				10	4.0	3.963	0.0011	/	Pass
				30	4.0	0.372	0.0001	/	Pass
				40	4.0	-0.887	-0.0002	/	Pass
				50	4.0	3.963	0.0011	/	Pass
64QAM	3560	100	0	20	3.55	0.086	0.0000	/	Pass
					4.0	3.133	0.0009	/	Pass
					4.4	1.230	0.0003	/	Pass
				-30	4.0	6.380	0.0018	/	Pass
				-20	4.0	0.558	0.0002	/	Pass
				-10	4.0	3.519	0.0010	/	Pass
				0	4.0	3.304	0.0009	/	Pass
				10	4.0	1.373	0.0004	/	Pass
				30	4.0	1.345	0.0004	/	Pass
				40	4.0	4.692	0.0013	/	Pass
				50	4.0	2.089	0.0006	/	Pass
	3625	100	0	20	3.55	0.186	0.0001	/	Pass
					4.0	4.420	0.0012	/	Pass
					4.4	4.134	0.0011	/	Pass
				-30	4.0	-0.300	-0.0001	/	Pass
				-20	4.0	4.778	0.0013	/	Pass
				-10	4.0	1.059	0.0003	/	Pass
				0	4.0	0.830	0.0002	/	Pass
				10	4.0	-0.143	0.0000	/	Pass
				30	4.0	2.489	0.0007	/	Pass
				40	4.0	5.436	0.0015	/	Pass
				50	4.0	4.878	0.0013	/	Pass
	3690	100	0	20	3.55	-1.388	-0.0004	/	Pass
					4.0	0.958	0.0003	/	Pass
					4.4	-0.358	-0.0001	/	Pass
				-30	4.0	2.275	0.0006	/	Pass
				-20	4.0	-0.286	-0.0001	/	Pass

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				-10	4.0	2.346	0.0006	/	Pass
				0	4.0	-0.587	-0.0002	/	Pass
				10	4.0	0.873	0.0002	/	Pass
				30	4.0	1.817	0.0005	/	Pass
				40	4.0	0.730	0.0002	/	Pass
				50	4.0	6.580	0.0018	/	Pass
256QAM	3560	100	0	20	3.55	5.994	0.0017	/	Pass
					4.0	1.745	0.0005	/	Pass
					4.4	2.747	0.0008	/	Pass
				-30	4.0	1.187	0.0003	/	Pass
				-20	4.0	4.907	0.0014	/	Pass
				-10	4.0	1.845	0.0005	/	Pass
				0	4.0	2.217	0.0006	/	Pass
				10	4.0	4.549	0.0013	/	Pass
				30	4.0	1.373	0.0004	/	Pass
				40	4.0	6.709	0.0019	/	Pass
				50	4.0	5.207	0.0015	/	Pass
	3625	100	0	20	3.55	-0.186	-0.0001	/	Pass
					4.0	2.217	0.0006	/	Pass
					4.4	2.117	0.0006	/	Pass
				-30	4.0	3.734	0.0010	/	Pass
				-20	4.0	2.174	0.0006	/	Pass
				-10	4.0	5.293	0.0015	/	Pass
				0	4.0	-0.243	-0.0001	/	Pass
				10	4.0	1.459	0.0004	/	Pass
				30	4.0	5.279	0.0015	/	Pass
				40	4.0	3.591	0.0010	/	Pass
				50	4.0	7.052	0.0019	/	Pass
	3690	100	0	20	3.55	3.276	0.0009	/	Pass
					4.0	4.449	0.0012	/	Pass
					4.4	4.077	0.0011	/	Pass
				-30	4.0	3.920	0.0011	/	Pass
				-20	4.0	3.519	0.0010	/	Pass
				-10	4.0	0.544	0.0001	/	Pass
				0	4.0	-0.229	-0.0001	/	Pass
				10	4.0	1.373	0.0004	/	Pass
				30	4.0	4.735	0.0013	/	Pass
				40	4.0	1.173	0.0003	/	Pass
				50	4.0	2.117	0.0006	/	Pass

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3. 99% & 26dB Bandwidth

3.1 Band48_OBW

3.1.1 Test Result

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	4.552	/	Pass
		3625	25	0	4.493	/	Pass
		3697.5	25	0	4.526	/	Pass
	16QAM	3552.5	25	0	4.566	/	Pass
		3625	25	0	4.509	/	Pass
		3697.5	25	0	4.581	/	Pass
	64QAM	3552.5	25	0	4.555	/	Pass
		3625	25	0	4.495	/	Pass
		3697.5	25	0	4.569	/	Pass
	256QAM	3552.5	25	0	4.563	/	Pass
		3625	25	0	4.527	/	Pass
		3697.5	25	0	4.547	/	Pass
10	QPSK	3555	50	0	9.089	/	Pass
		3625	50	0	9.058	/	Pass
		3695	50	0	9.064	/	Pass
	16QAM	3555	50	0	9.060	/	Pass
		3625	50	0	9.072	/	Pass
		3695	50	0	9.001	/	Pass
	64QAM	3555	50	0	9.062	/	Pass
		3625	50	0	9.086	/	Pass
		3695	50	0	9.056	/	Pass
	256QAM	3555	50	0	9.083	/	Pass
		3625	50	0	9.075	/	Pass
		3695	50	0	9.065	/	Pass
15	QPSK	3557.5	75	0	13.593	/	Pass
		3625	75	0	13.508	/	Pass
		3692.5	75	0	13.522	/	Pass
	16QAM	3557.5	75	0	13.601	/	Pass
		3625	75	0	13.513	/	Pass
		3692.5	75	0	13.535	/	Pass
	64QAM	3557.5	75	0	13.650	/	Pass
		3625	75	0	13.636	/	Pass
		3692.5	75	0	13.583	/	Pass
	256QAM	3557.5	75	0	13.640	/	Pass
		3625	75	0	13.540	/	Pass
		3692.5	75	0	13.571	/	Pass
20	QPSK	3560	100	0	18.062	/	Pass

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		3625	100	0	18.061	/	Pass
		3690	100	0	17.931	/	Pass
	16QAM	3560	100	0	18.147	/	Pass
		3625	100	0	18.009	/	Pass
		3690	100	0	18.020	/	Pass
	64QAM	3560	100	0	18.117	/	Pass
		3625	100	0	18.009	/	Pass
		3690	100	0	18.081	/	Pass
	256QAM	3560	100	0	18.147	/	Pass
		3625	100	0	18.010	/	Pass
		3690	100	0	17.994	/	Pass

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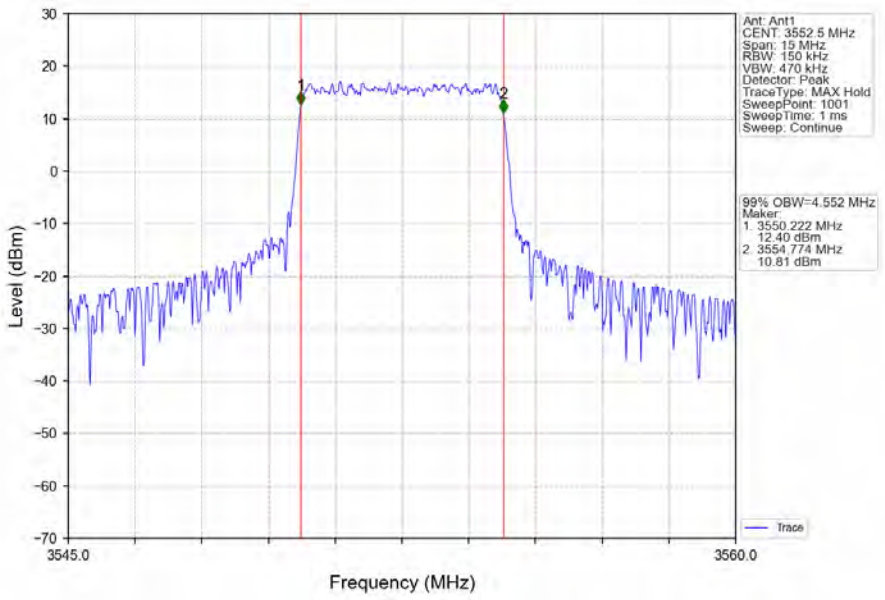
3.1.2 Test Graph

Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV



Band48_5MHz_QPSK_MCH_3625MHz_RB_25_0_NTNV

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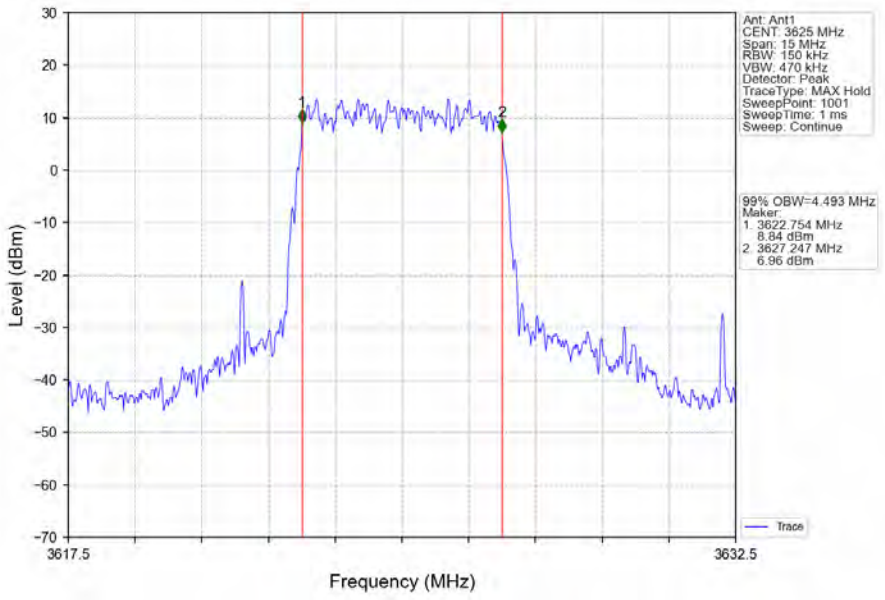

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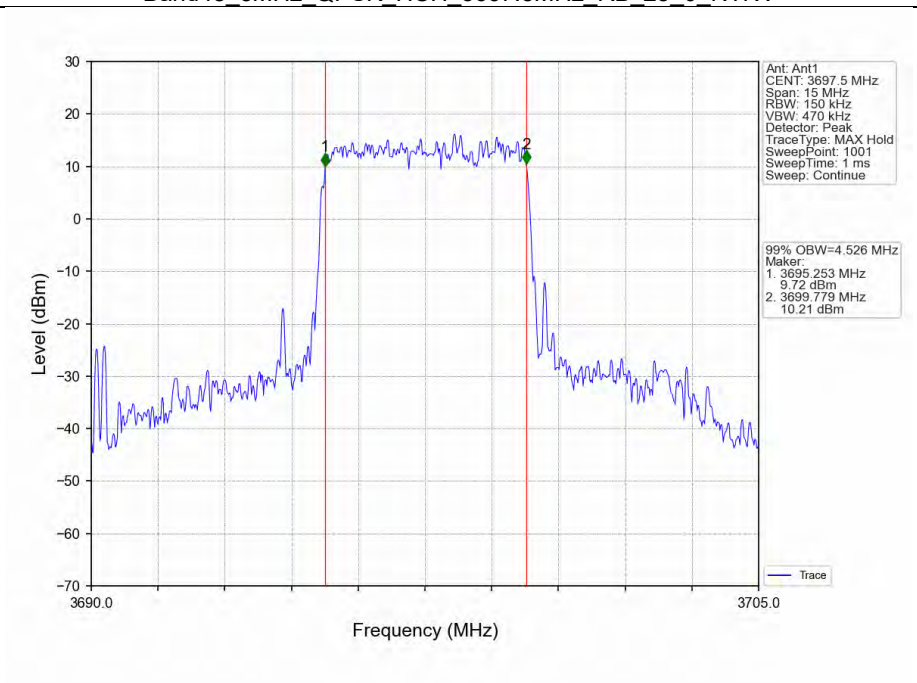
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV

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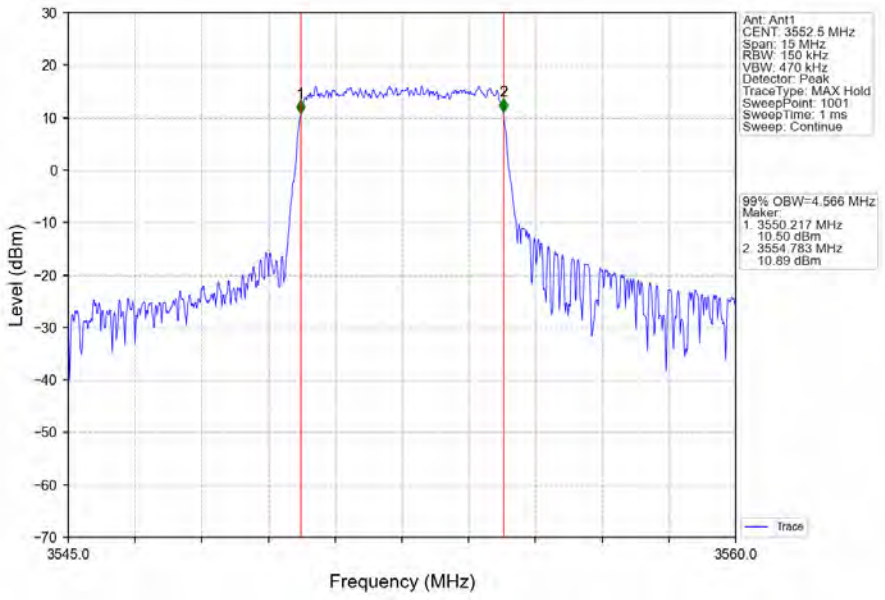

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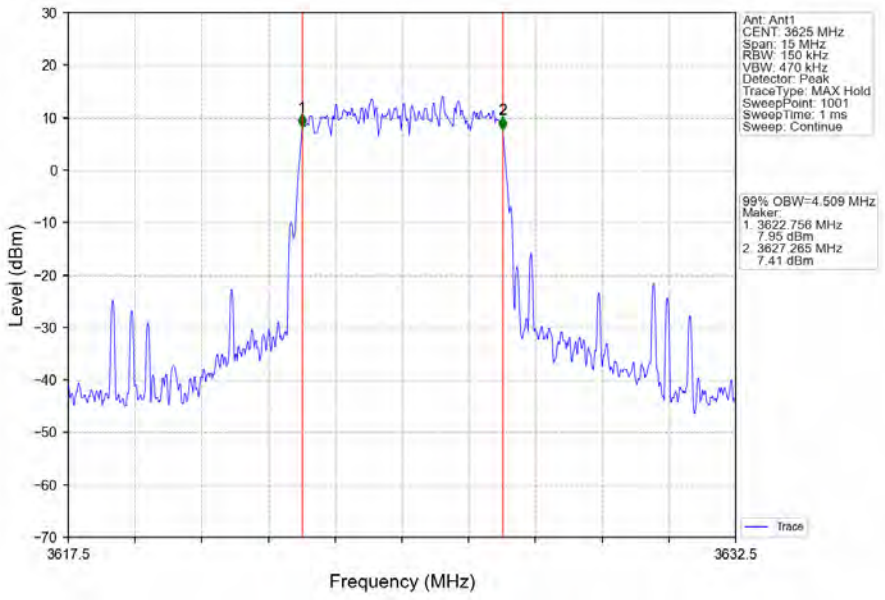
Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV



Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV

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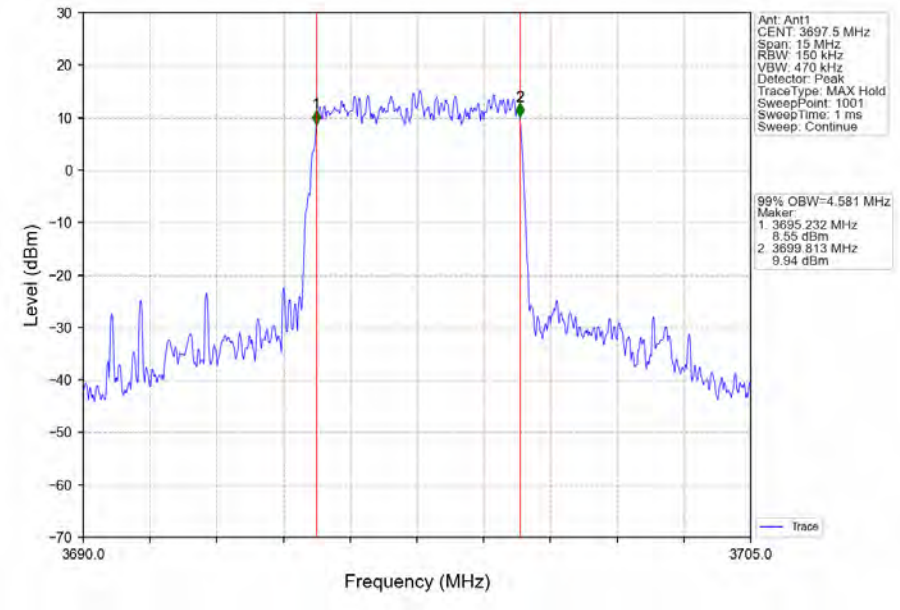

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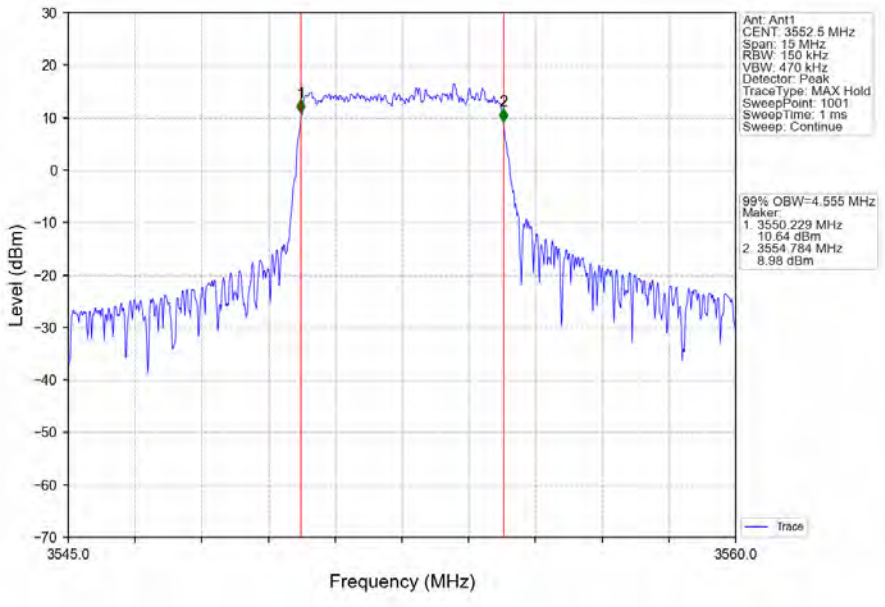
Band48_5MHz_64QAM_LCH_3552.5MHz_RB_25_0_NTNV



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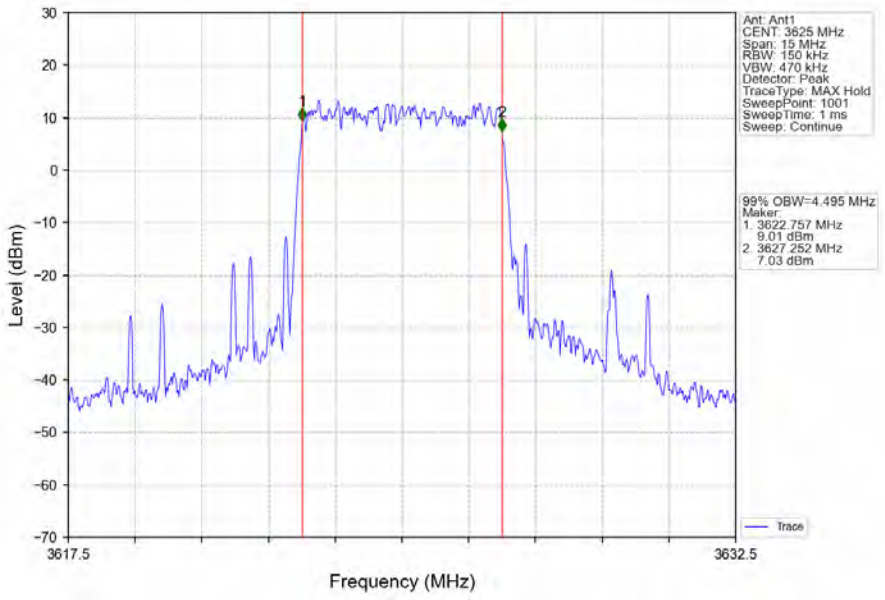

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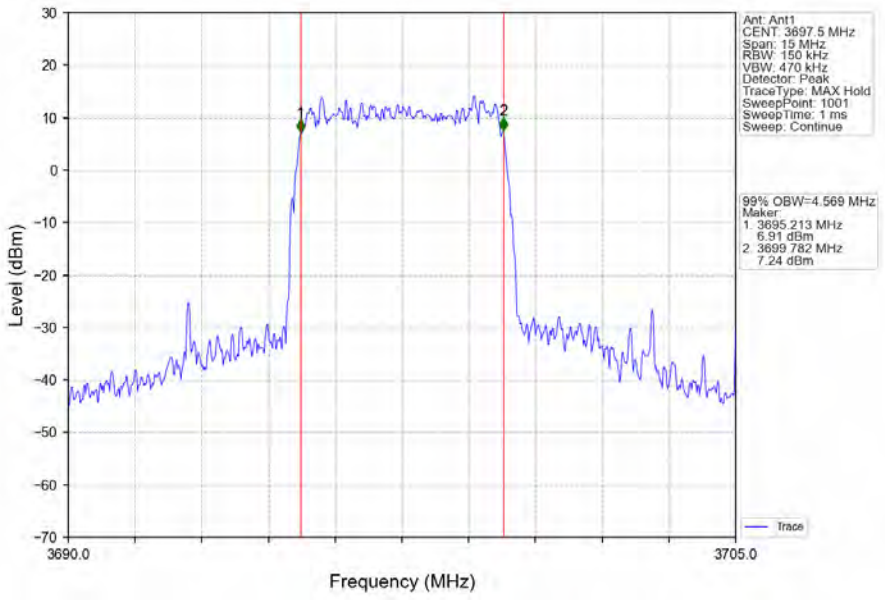

Band48_5MHz_256QAM_LCH_3552.5MHz_RB_25_0_NTNV

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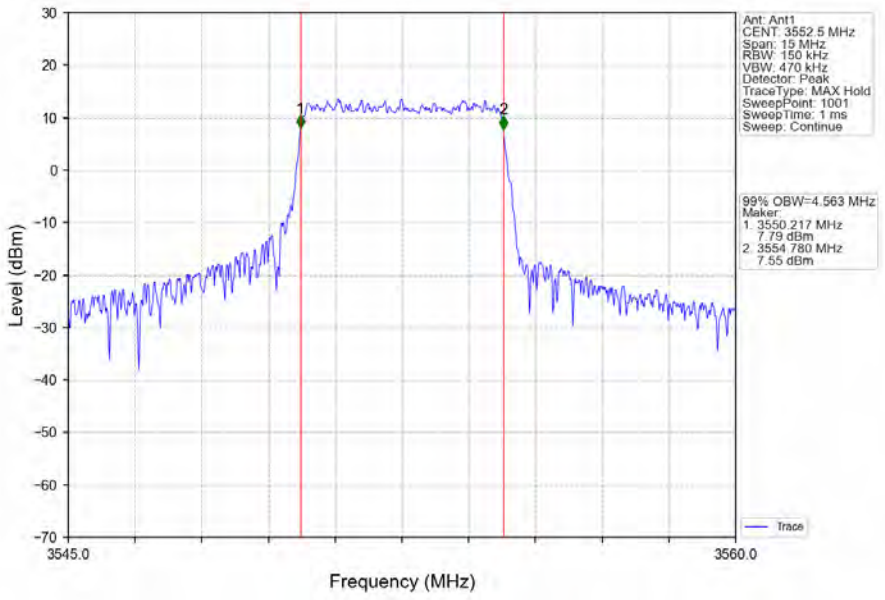

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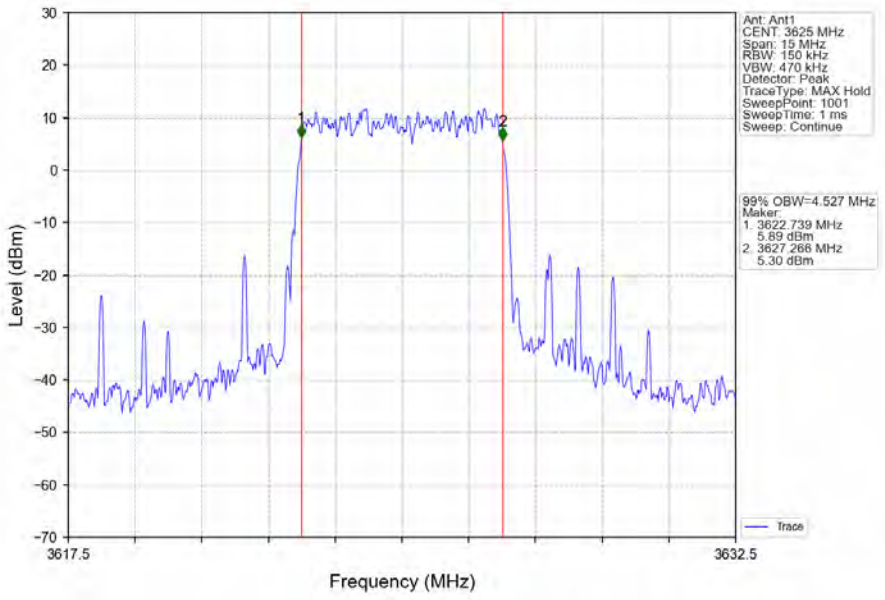

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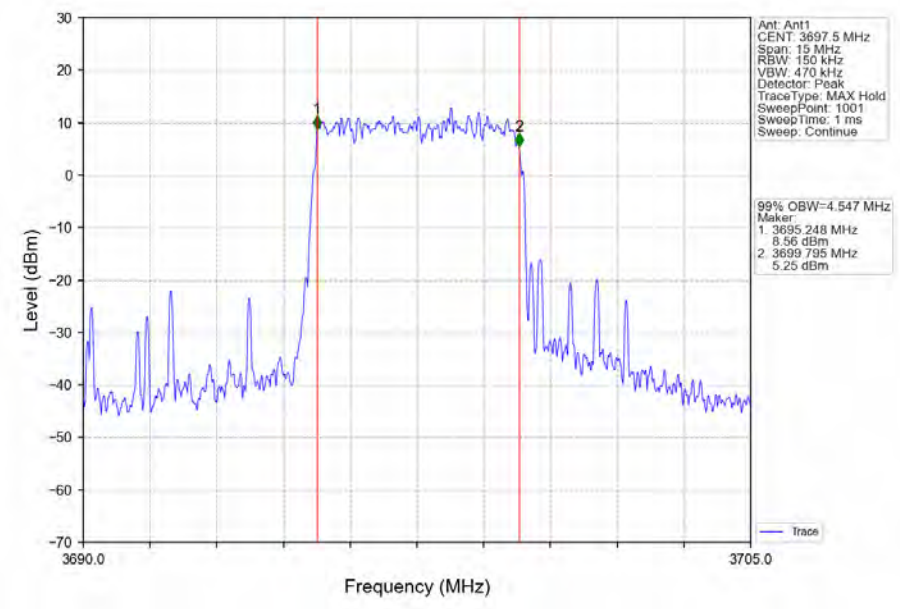

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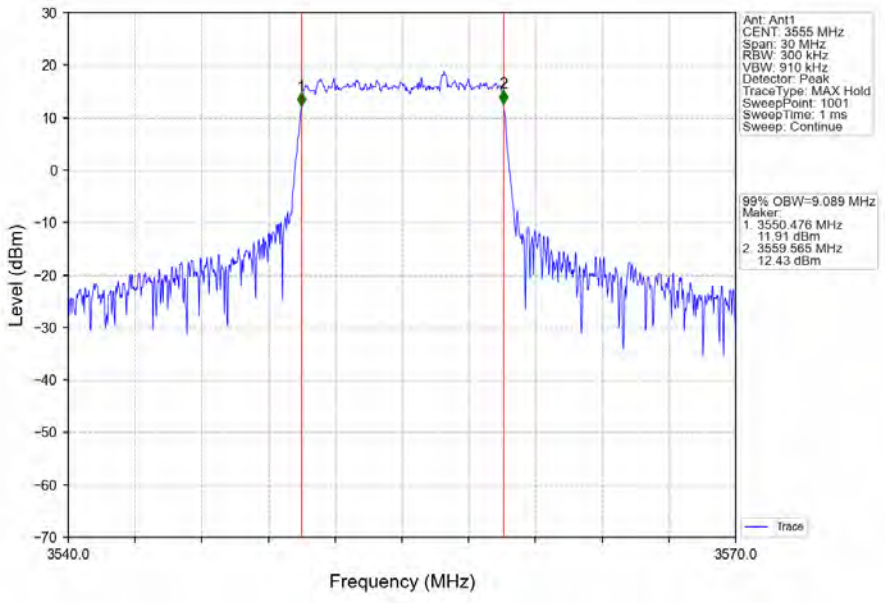
Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV



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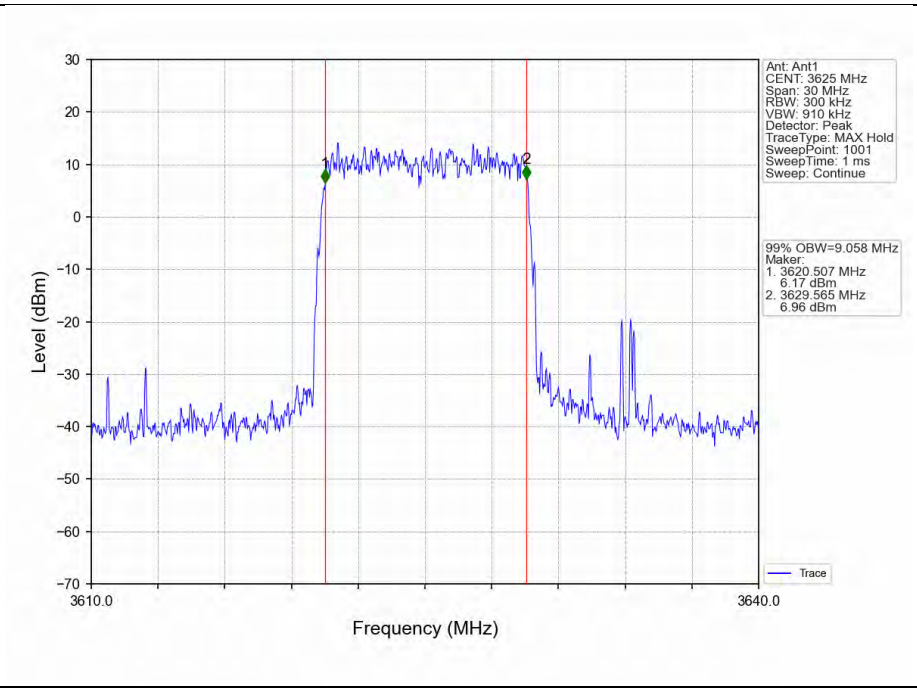

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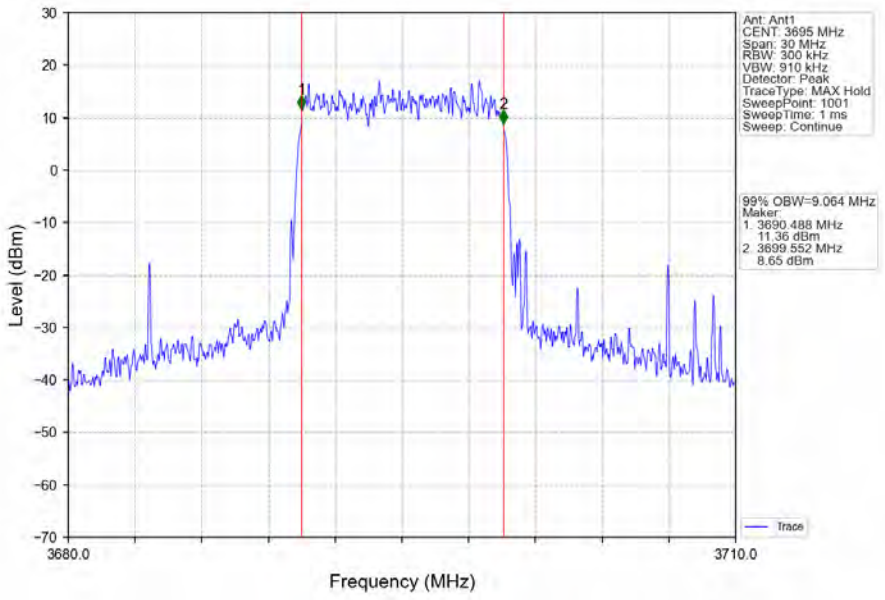

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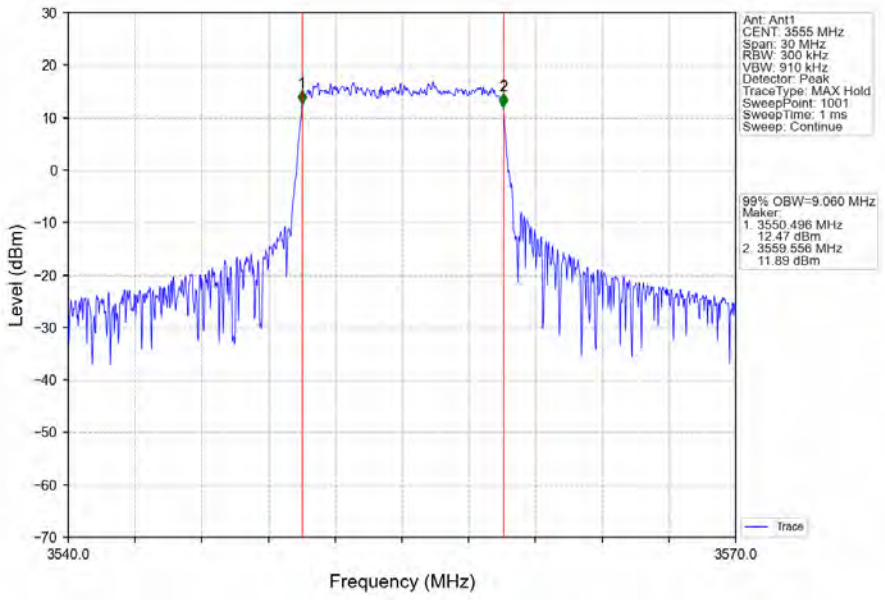

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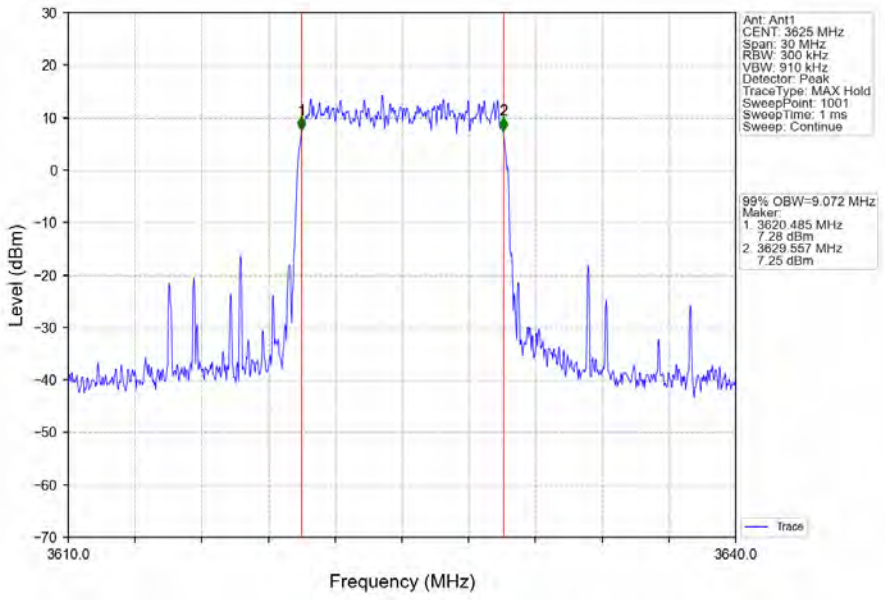

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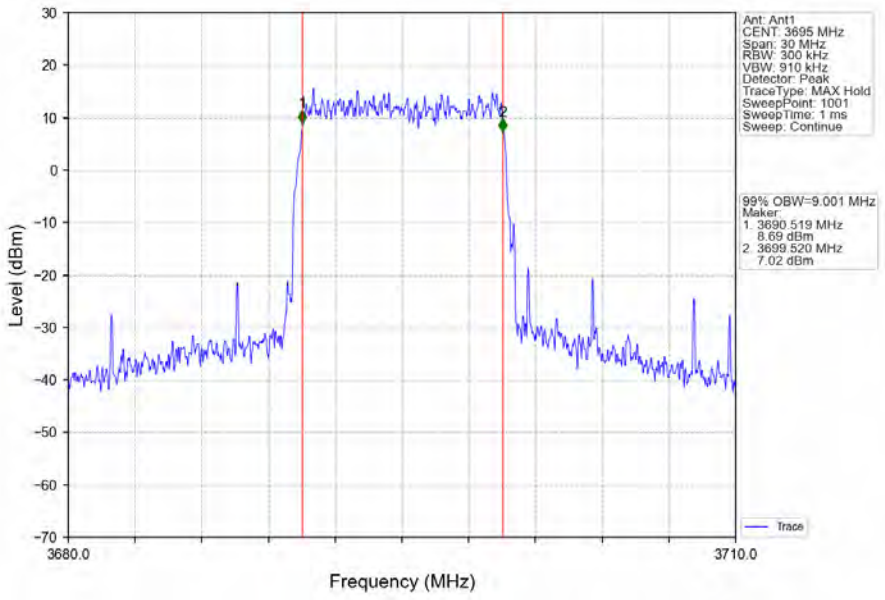

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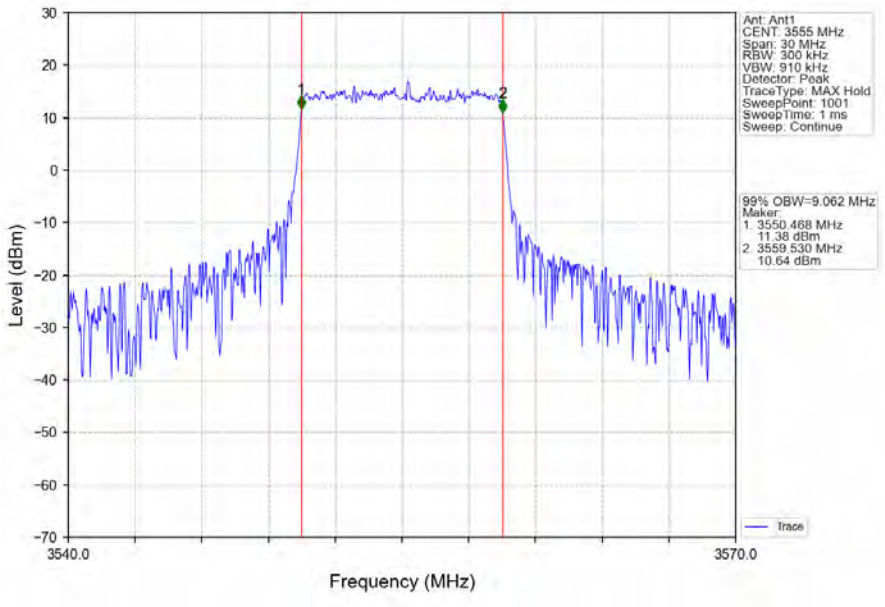

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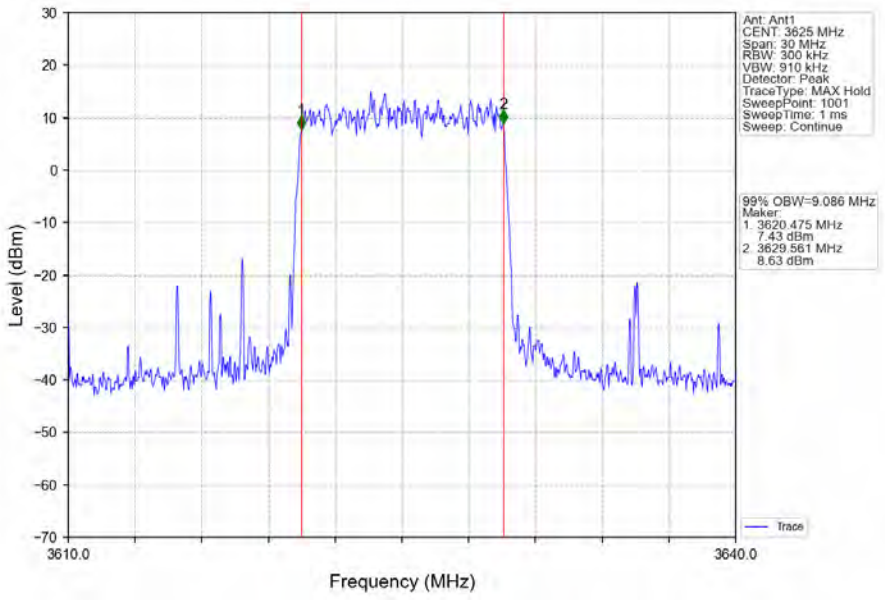

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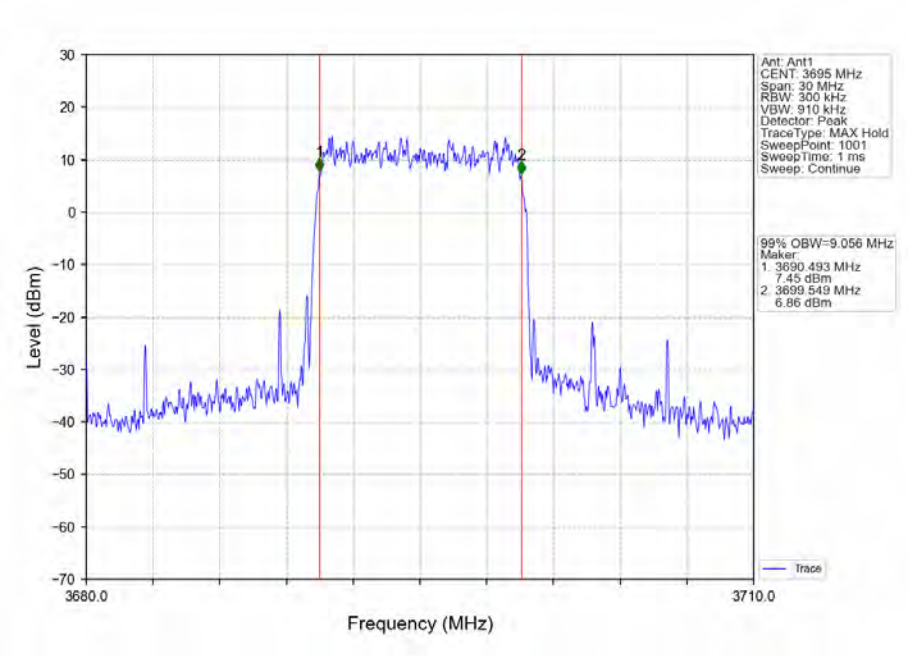

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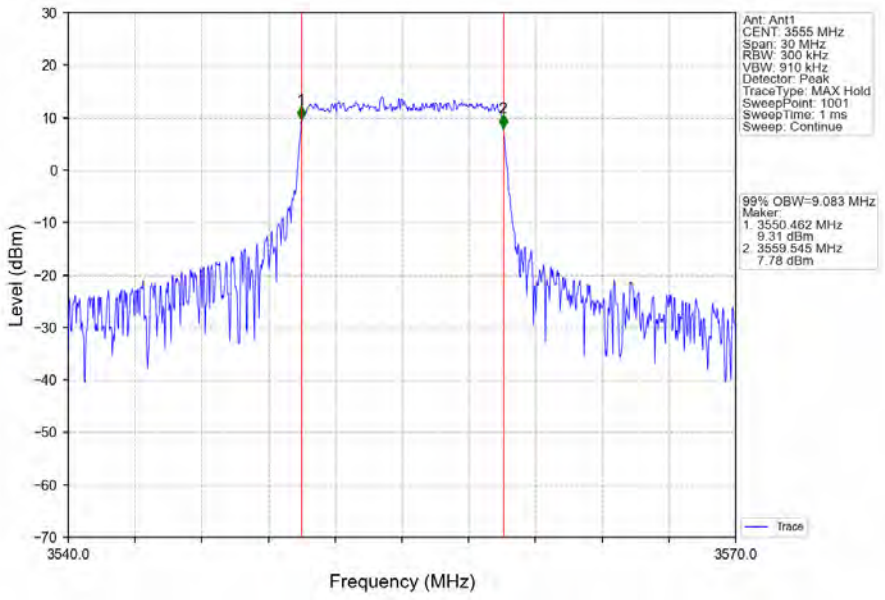

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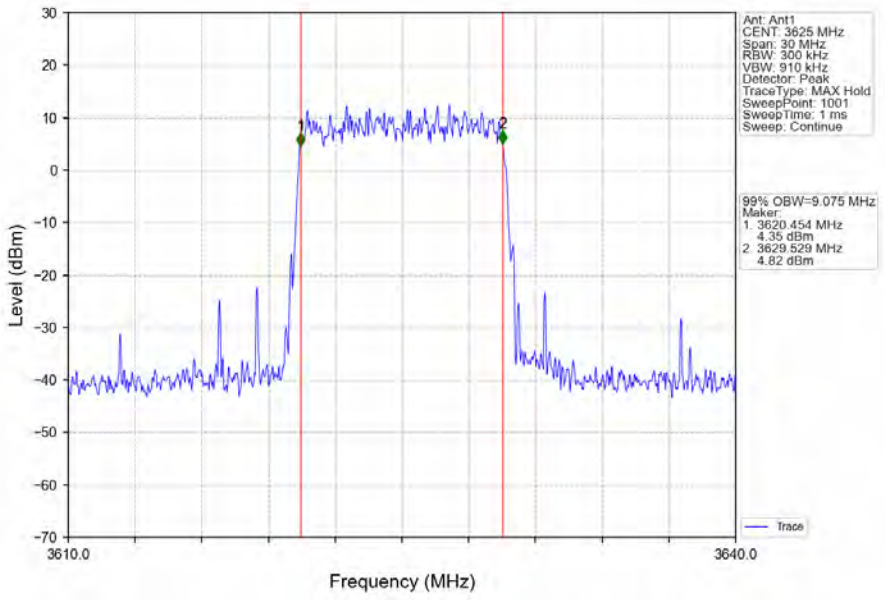

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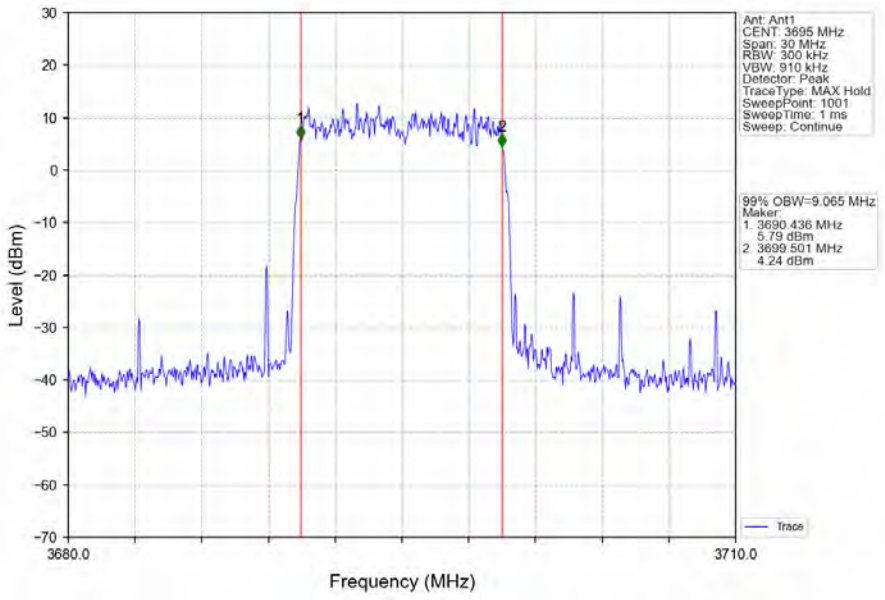

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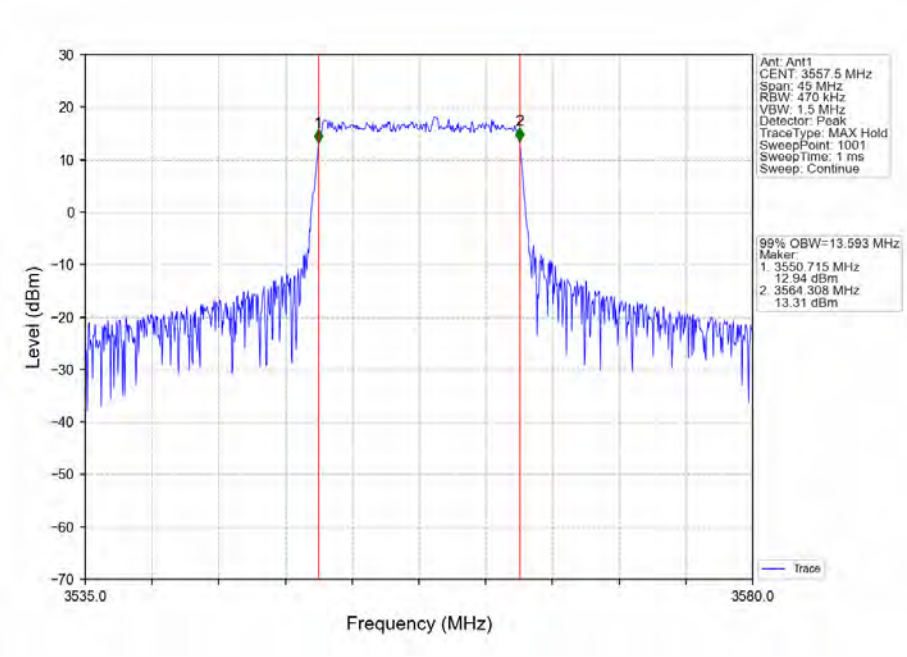

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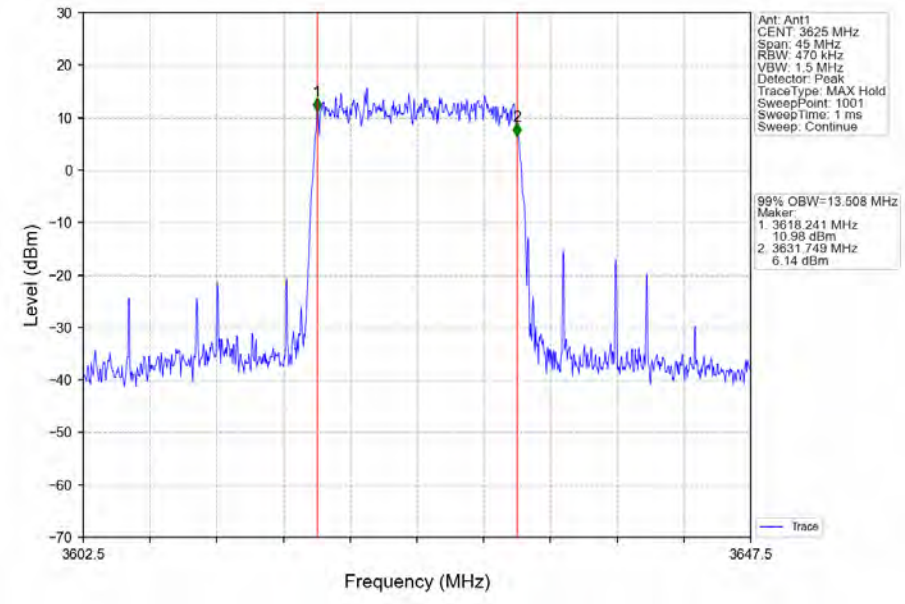

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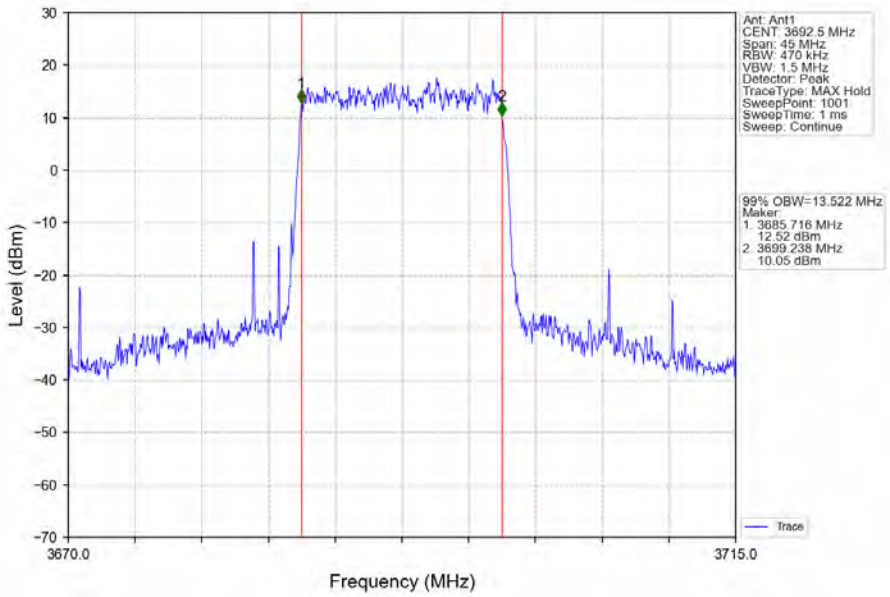
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV

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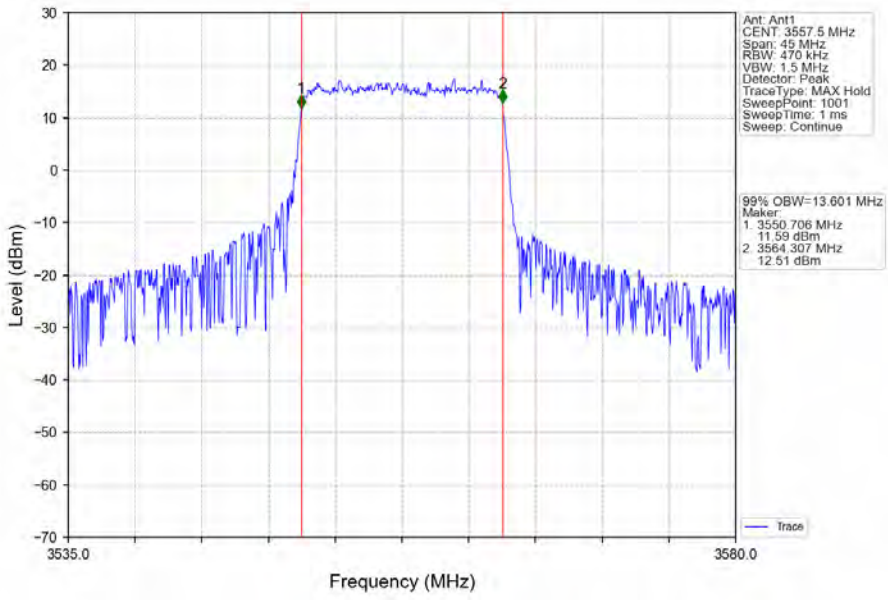

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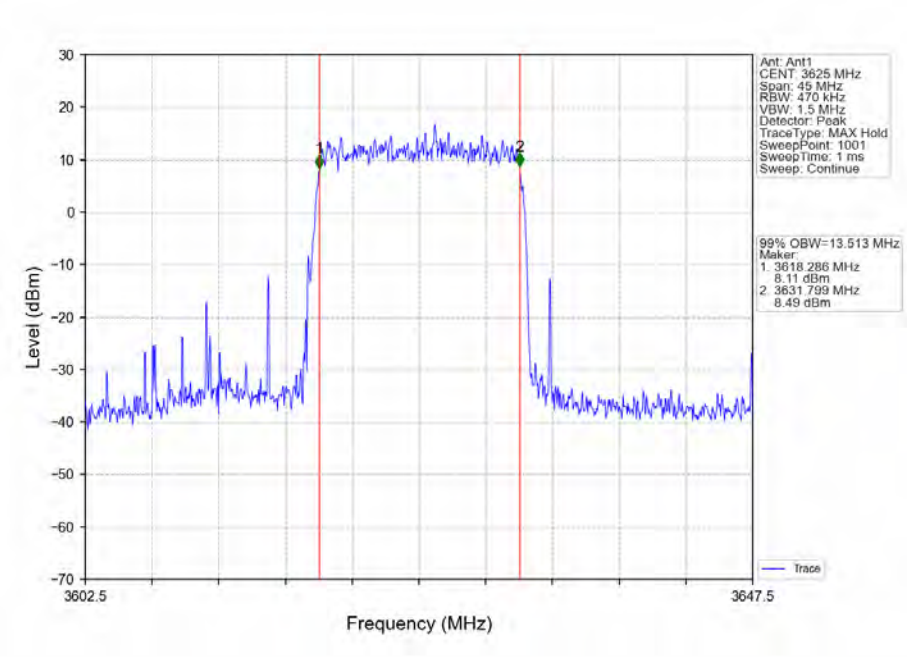
Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV



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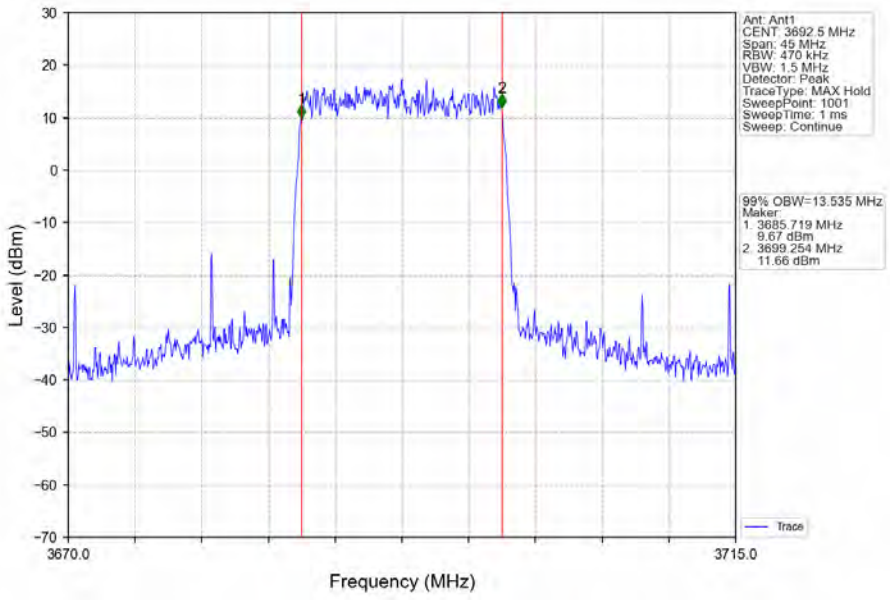

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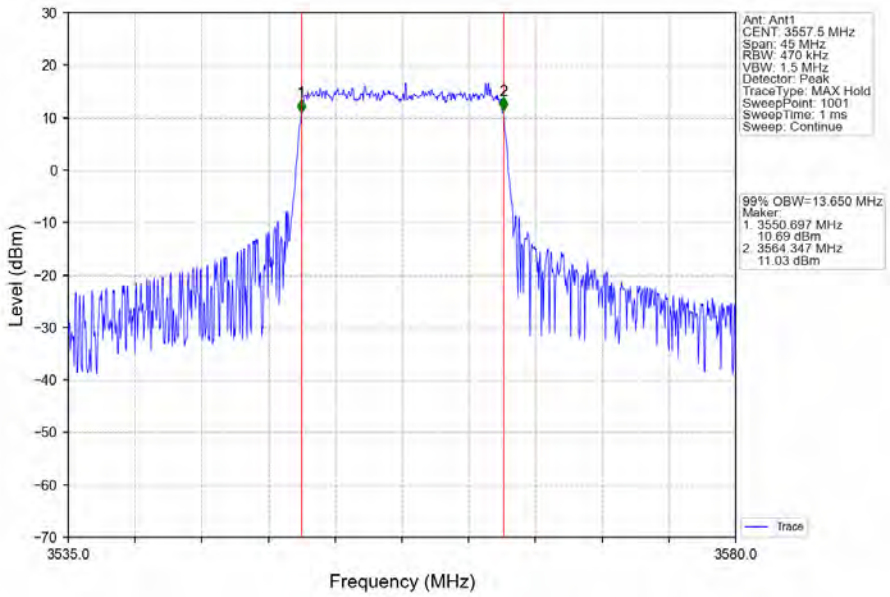
Band48_15MHz_64QAM_LCH_3557.5MHz_RB_75_0_NTNV



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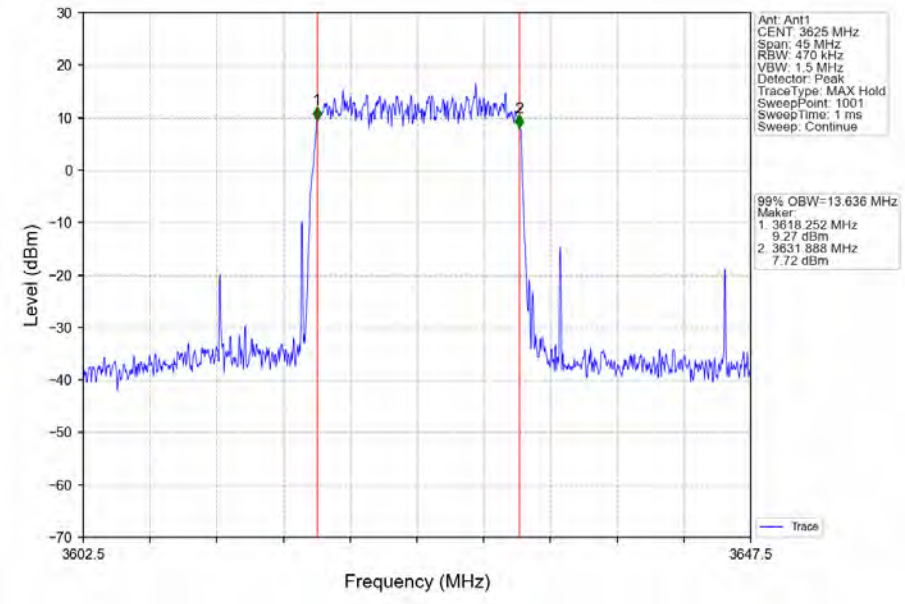

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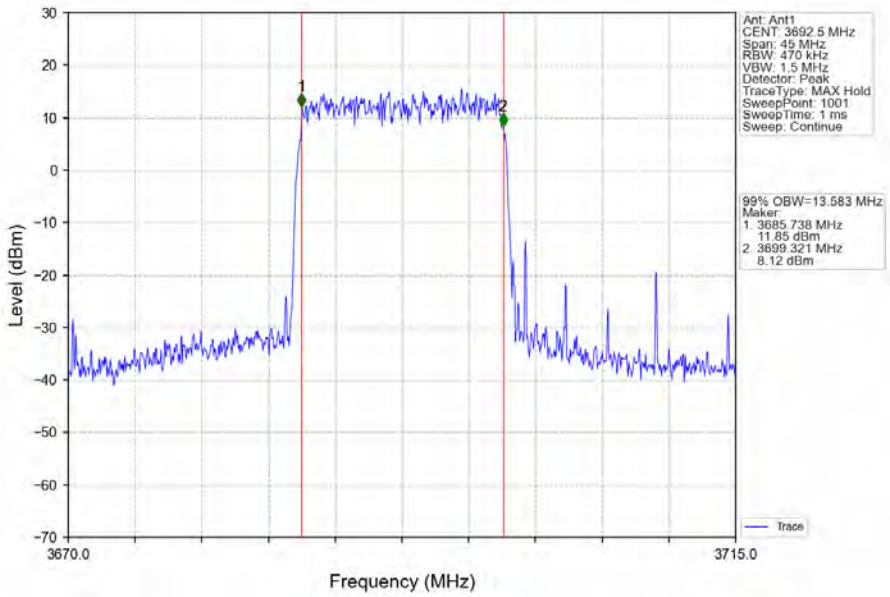

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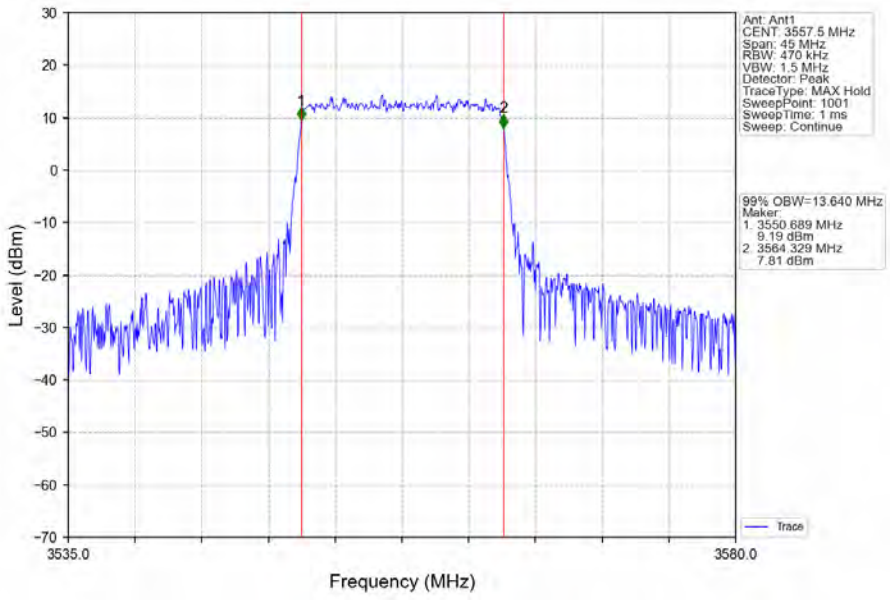

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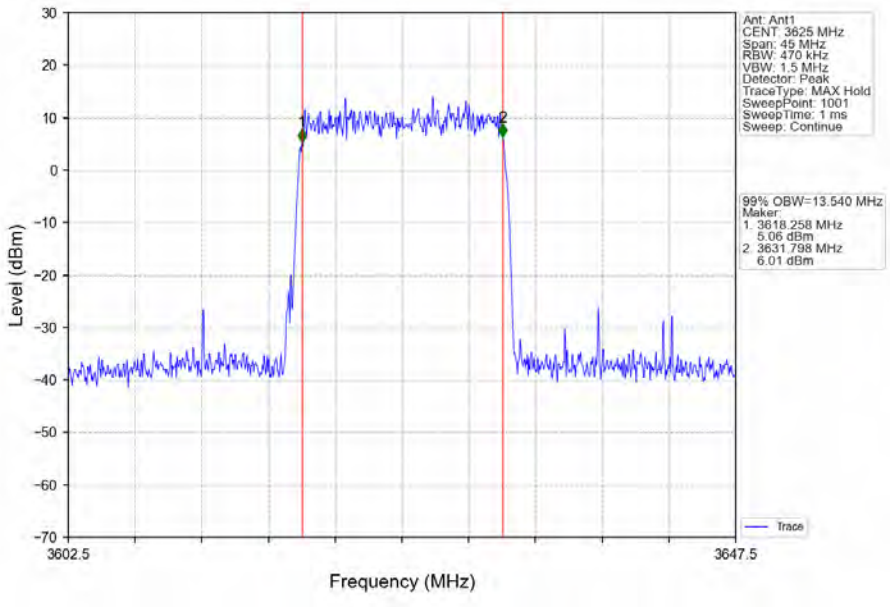

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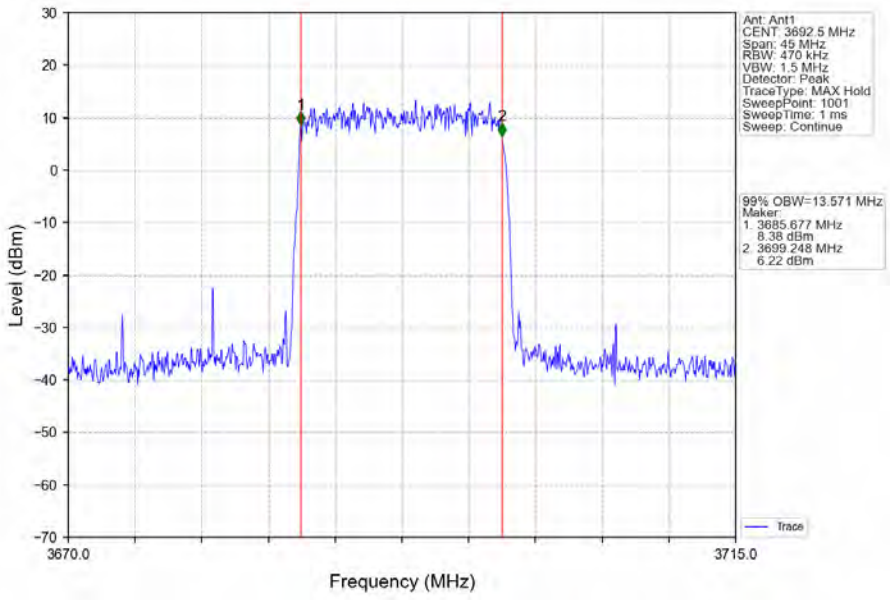

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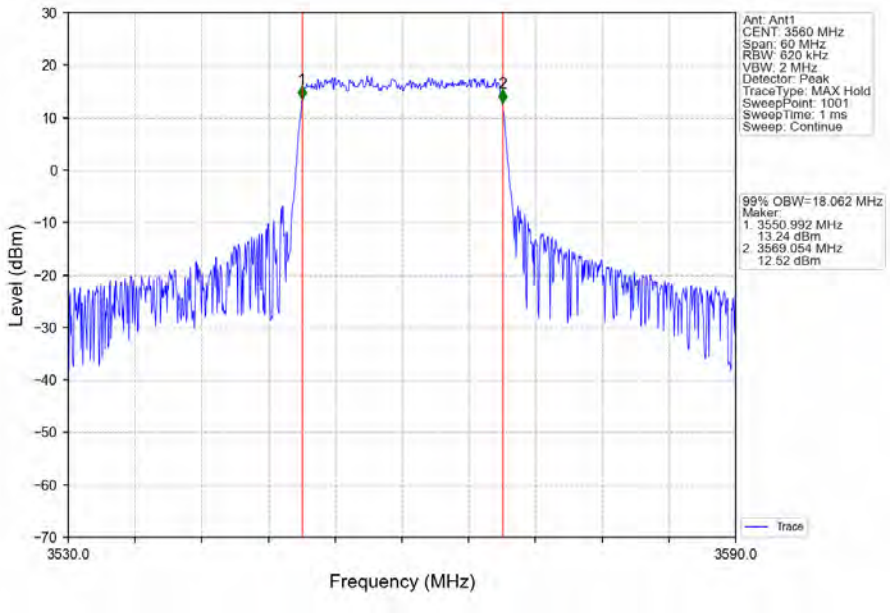

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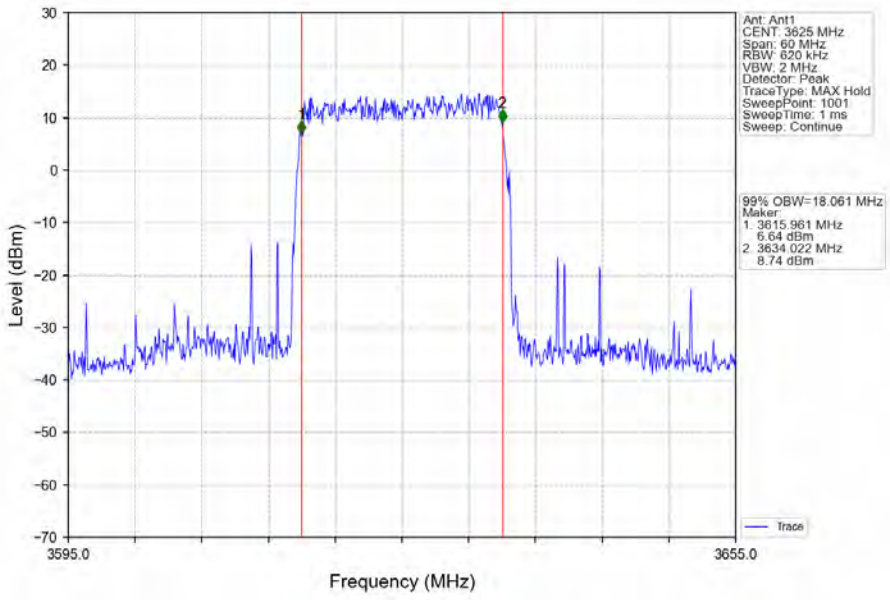

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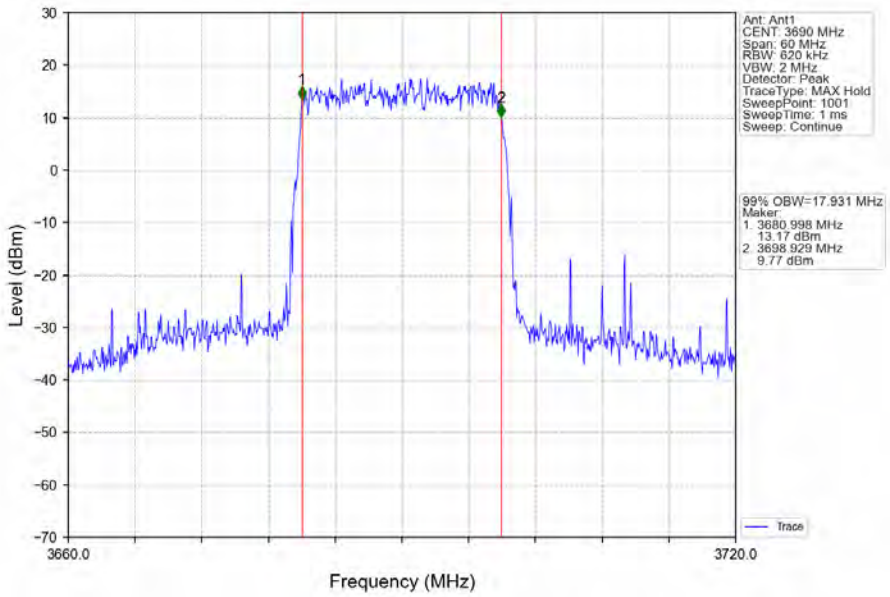

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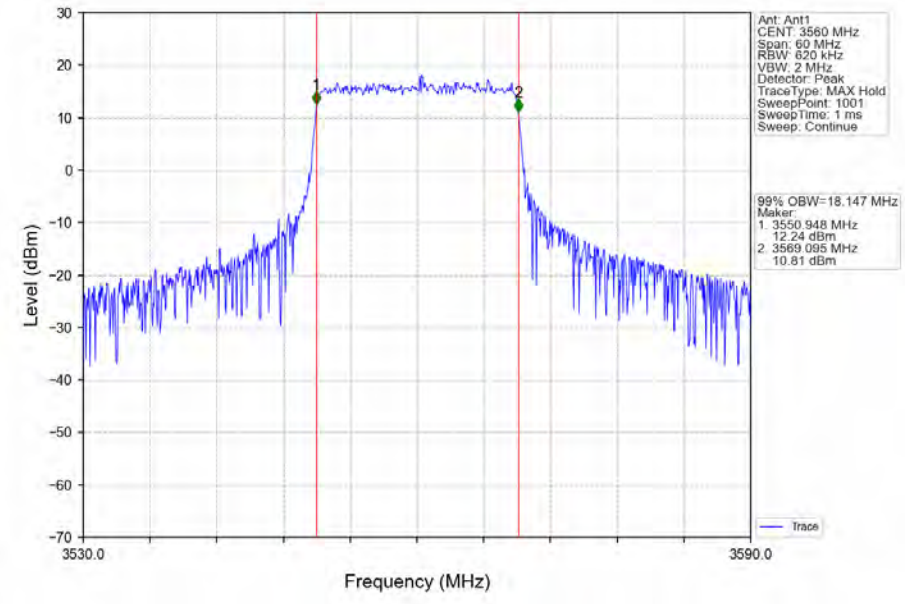

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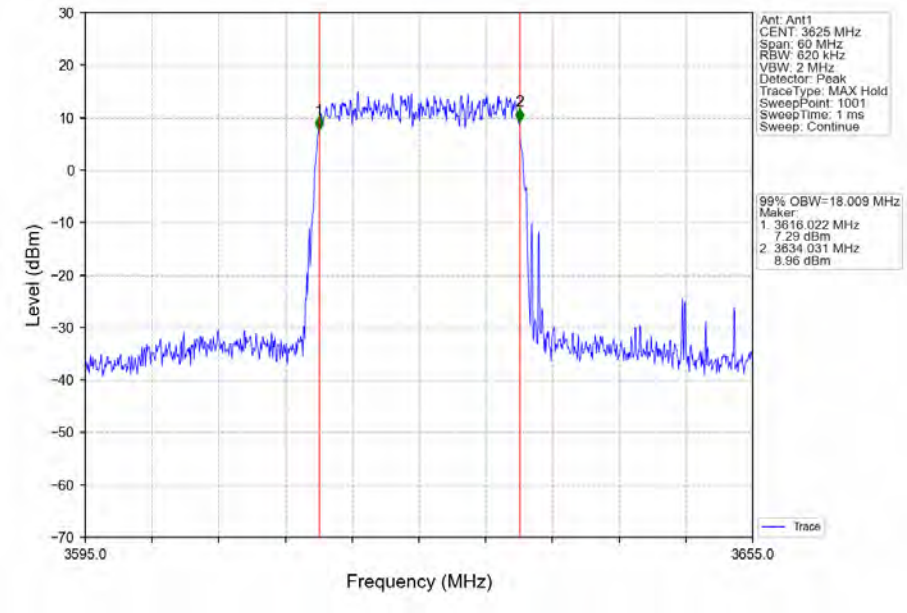
Band48_20MHz_16QAM_MCH_3625MHz_RB_100_0_NTNV



Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV

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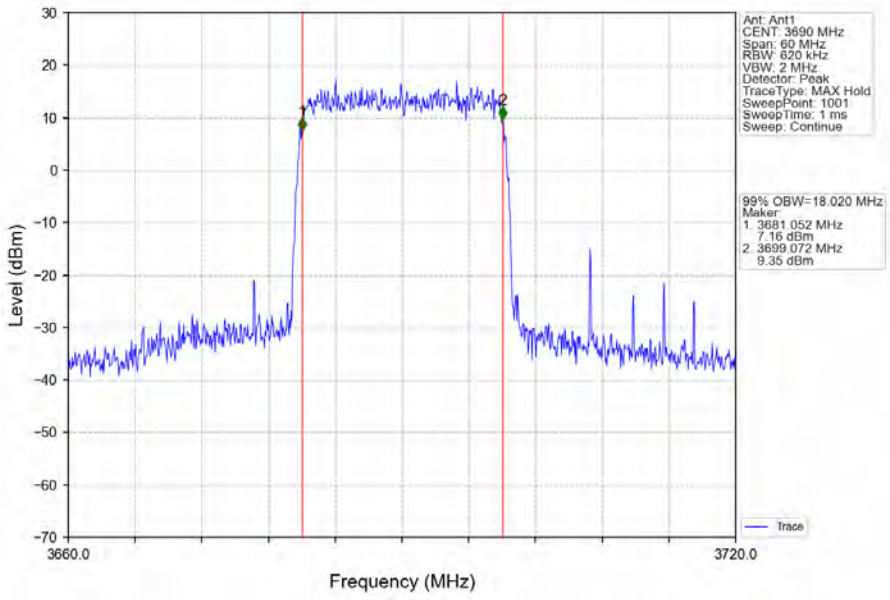

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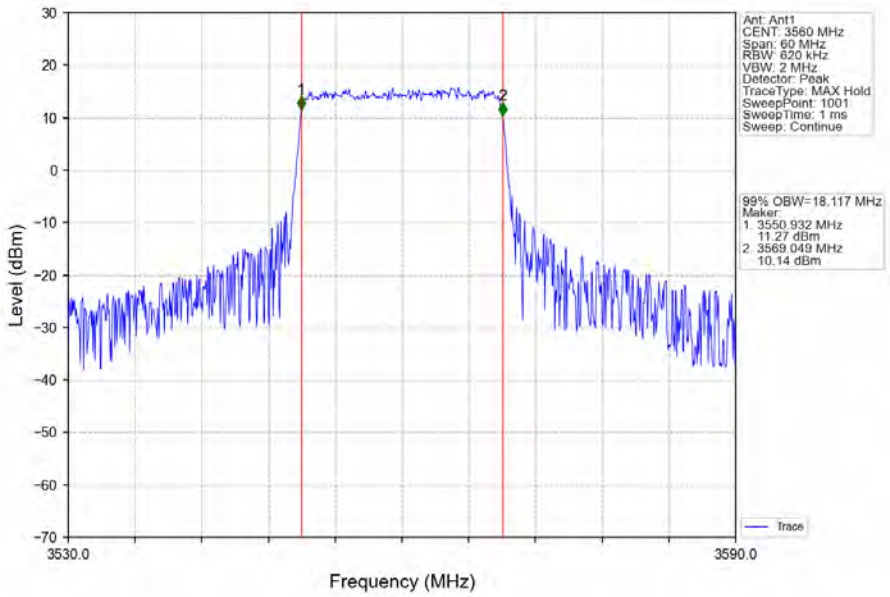
Band48_20MHz_64QAM_LCH_3560MHz_RB_100_0_NTNV



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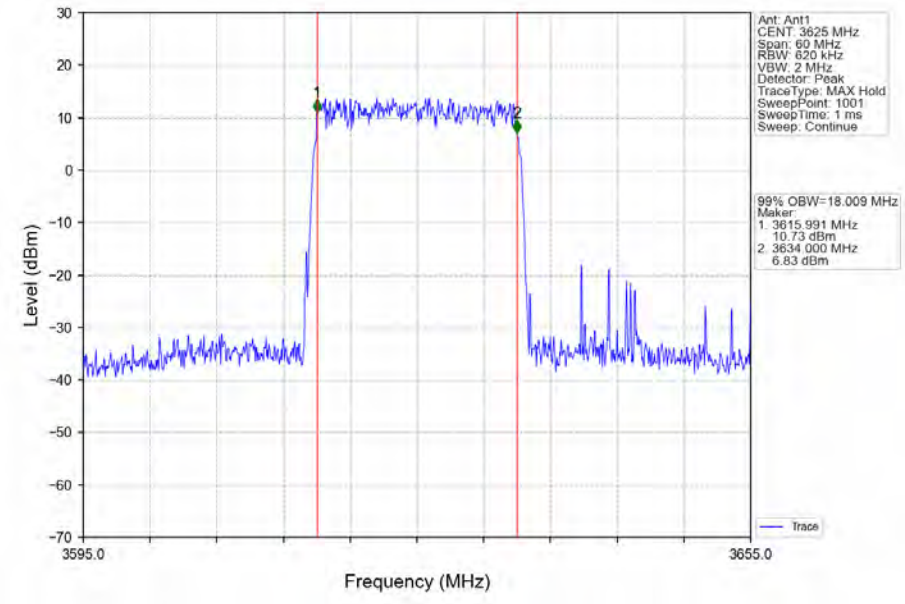

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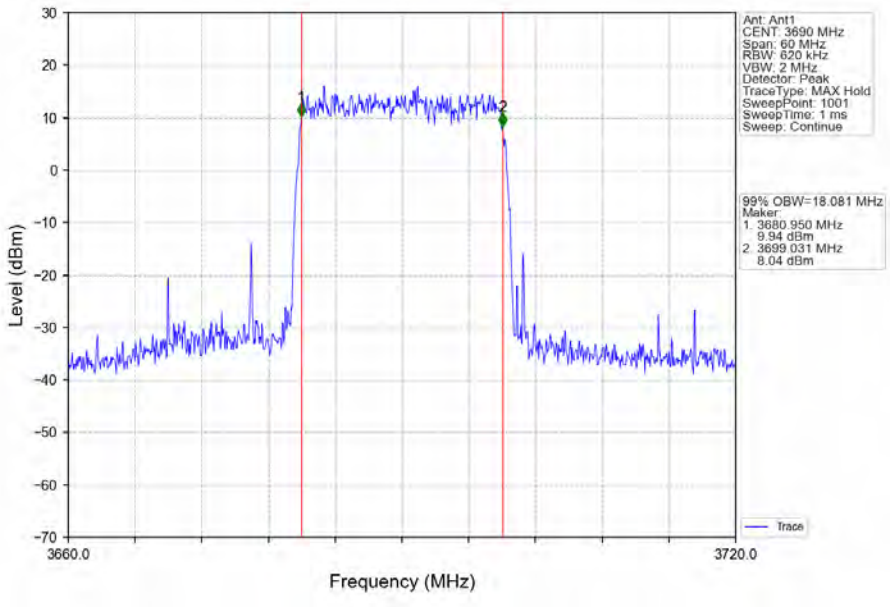

Band48_20MHz_256QAM_LCH_3560MHz_RB_100_0_NTNV

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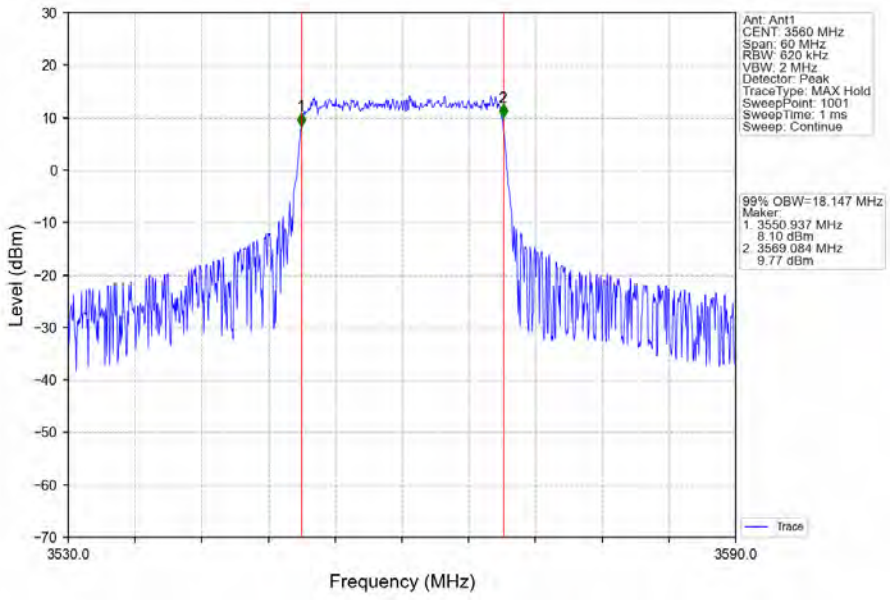

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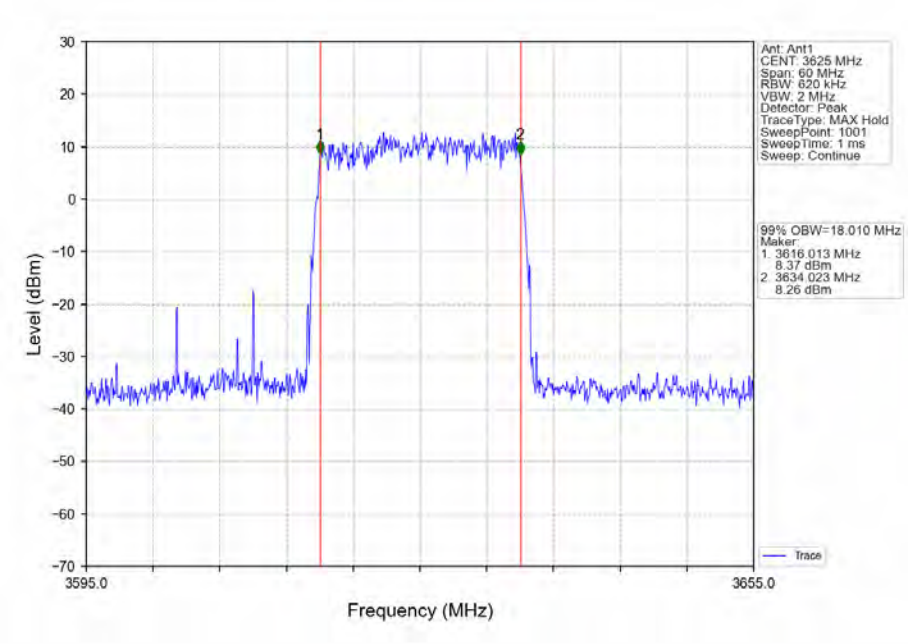

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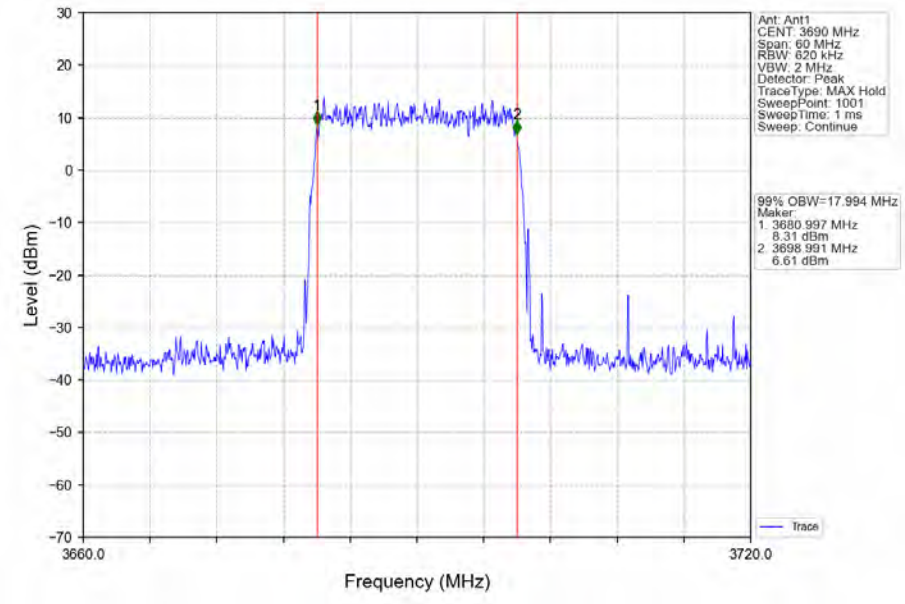

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3.2 Band48_XDB

3.2.1 Test Result

Band: 48 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3552.5	25	0	5.111	/	Pass
		3625	25	0	4.956	/	Pass
		3697.5	25	0	4.820	/	Pass
	16QAM	3552.5	25	0	5.099	/	Pass
		3625	25	0	5.012	/	Pass
		3697.5	25	0	4.970	/	Pass
	64QAM	3552.5	25	0	5.311	/	Pass
		3625	25	0	5.053	/	Pass
		3697.5	25	0	5.013	/	Pass
	256QAM	3552.5	25	0	5.492	/	Pass
		3625	25	0	4.911	/	Pass
		3697.5	25	0	4.868	/	Pass
10	QPSK	3555	50	0	9.958	/	Pass
		3625	50	0	9.831	/	Pass
		3695	50	0	9.704	/	Pass
	16QAM	3555	50	0	10.462	/	Pass
		3625	50	0	9.645	/	Pass
		3695	50	0	9.934	/	Pass
	64QAM	3555	50	0	10.220	/	Pass
		3625	50	0	9.645	/	Pass
		3695	50	0	9.690	/	Pass
	256QAM	3555	50	0	10.953	/	Pass
		3625	50	0	9.653	/	Pass
		3695	50	0	9.707	/	Pass
15	QPSK	3557.5	75	0	15.260	/	Pass
		3625	75	0	14.521	/	Pass
		3692.5	75	0	14.501	/	Pass
	16QAM	3557.5	75	0	15.976	/	Pass
		3625	75	0	14.758	/	Pass
		3692.5	75	0	14.483	/	Pass
	64QAM	3557.5	75	0	15.767	/	Pass
		3625	75	0	14.457	/	Pass
		3692.5	75	0	14.506	/	Pass
	256QAM	3557.5	75	0	15.383	/	Pass
		3625	75	0	14.458	/	Pass
		3692.5	75	0	14.482	/	Pass
20	QPSK	3560	100	0	21.510	/	Pass
		3625	100	0	19.459	/	Pass

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		3690	100	0	19.687	/	Pass
	16QAM	3560	100	0	21.453	/	Pass
		3625	100	0	19.998	/	Pass
		3690	100	0	19.351	/	Pass
	64QAM	3560	100	0	22.214	/	Pass
		3625	100	0	19.303	/	Pass
		3690	100	0	19.429	/	Pass
	256QAM	3560	100	0	21.411	/	Pass
		3625	100	0	19.704	/	Pass
		3690	100	0	19.736	/	Pass

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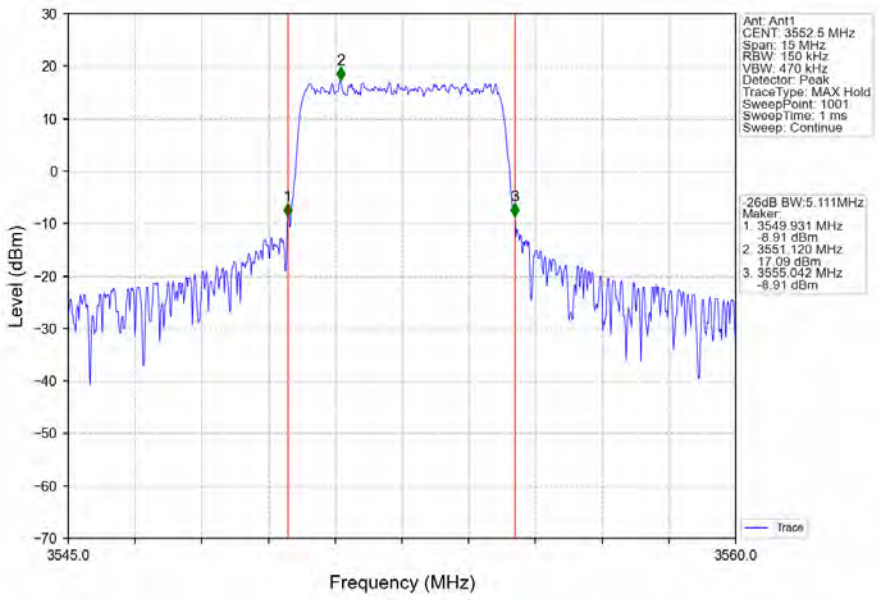
3.2.2 Test Graph

Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV



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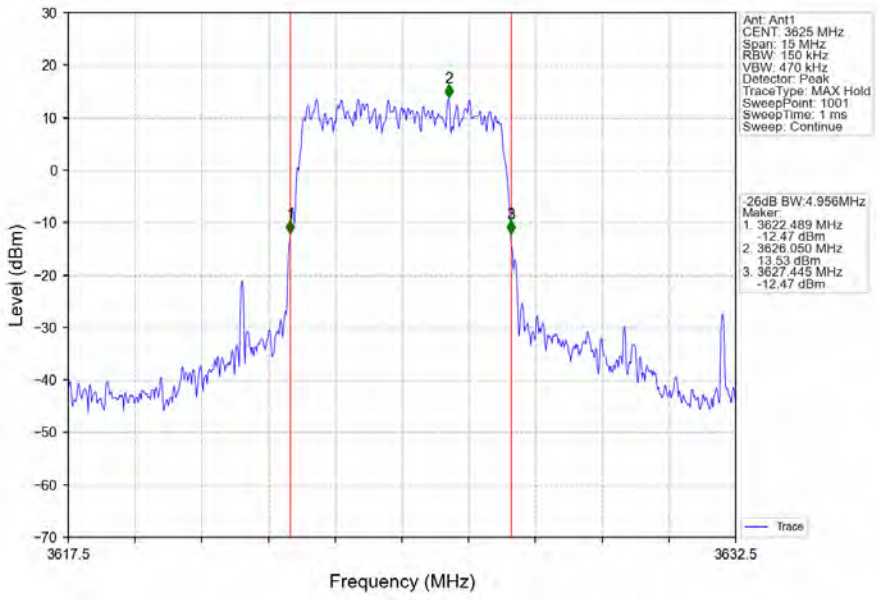

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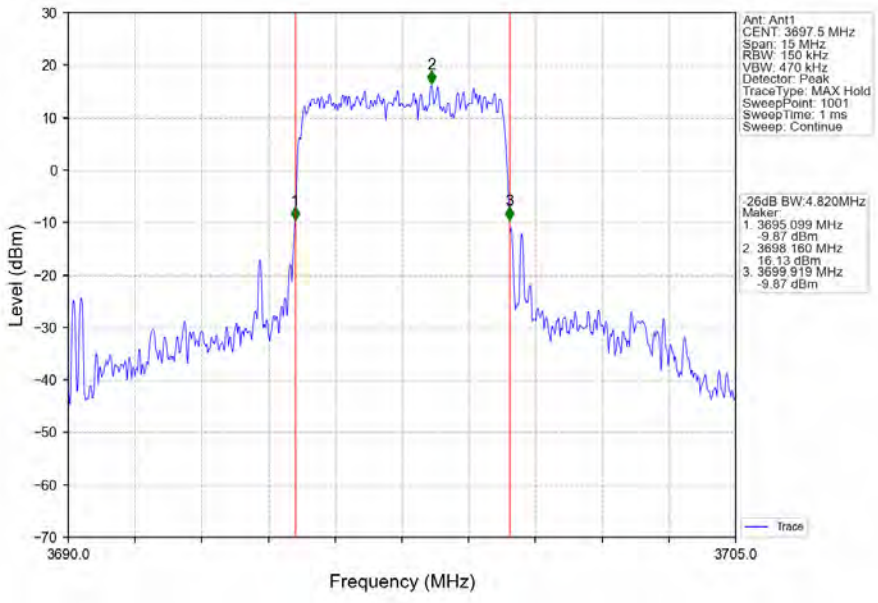
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



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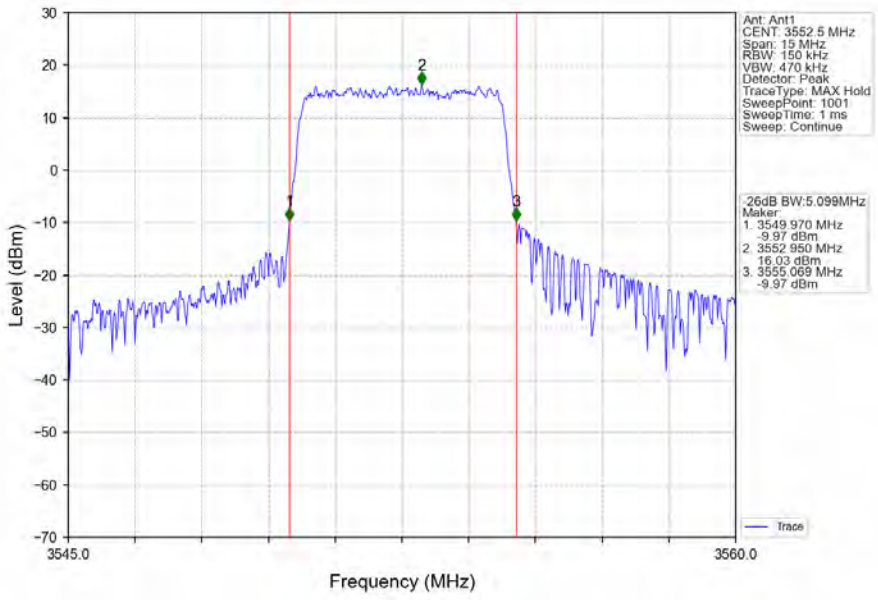

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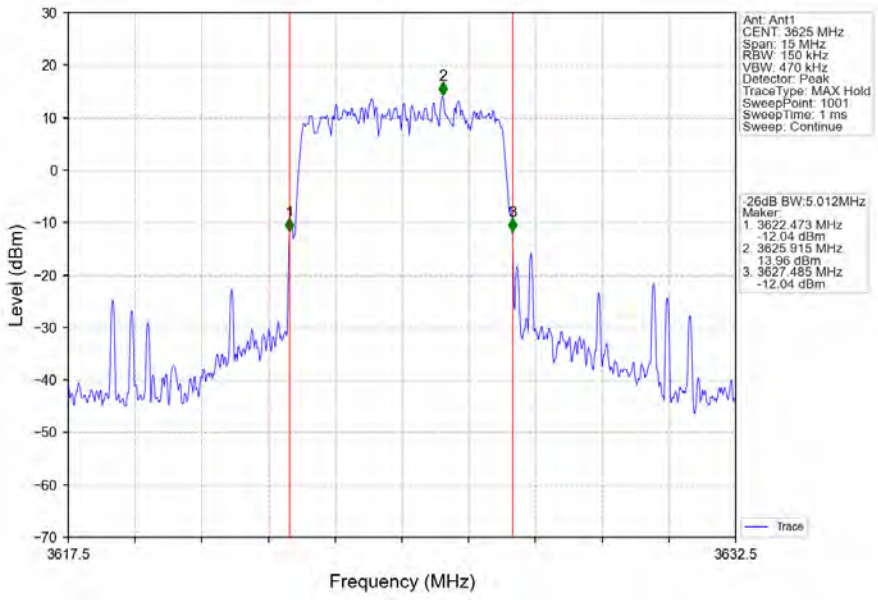
Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV



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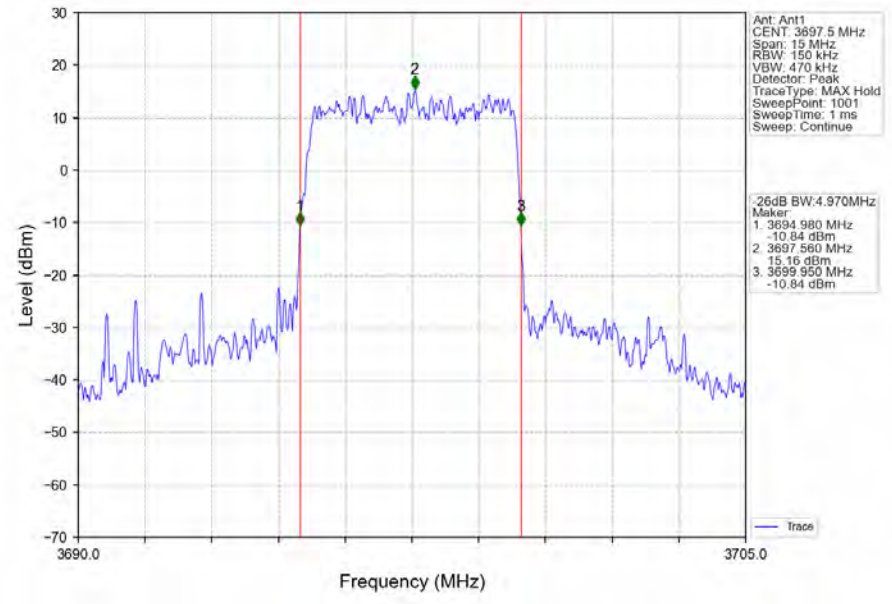

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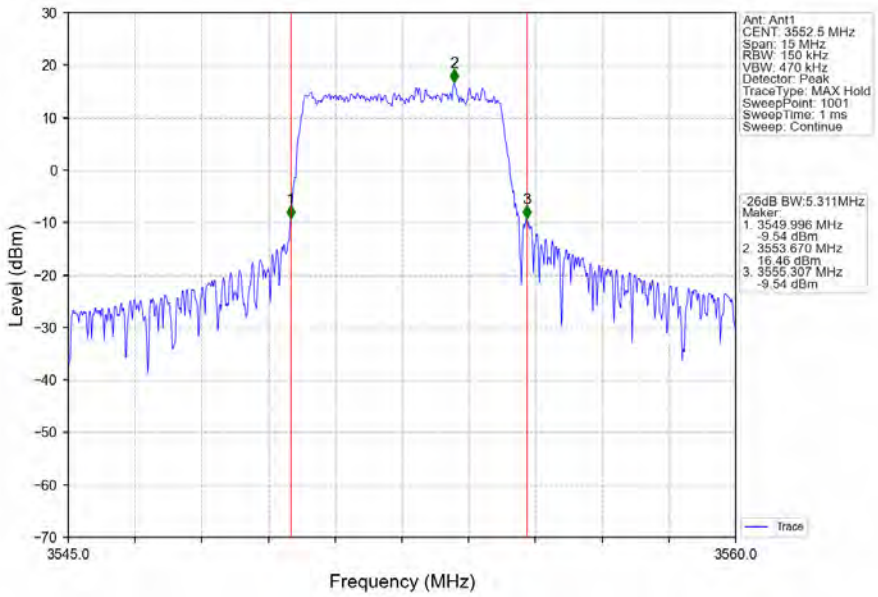
Band48_5MHz_64QAM_LCH_3552.5MHz_RB_25_0_NTNV



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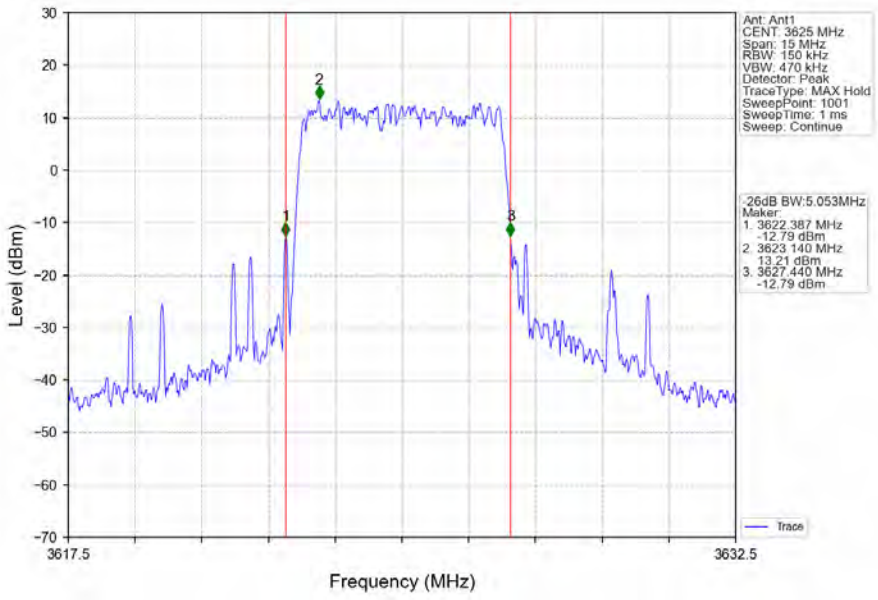

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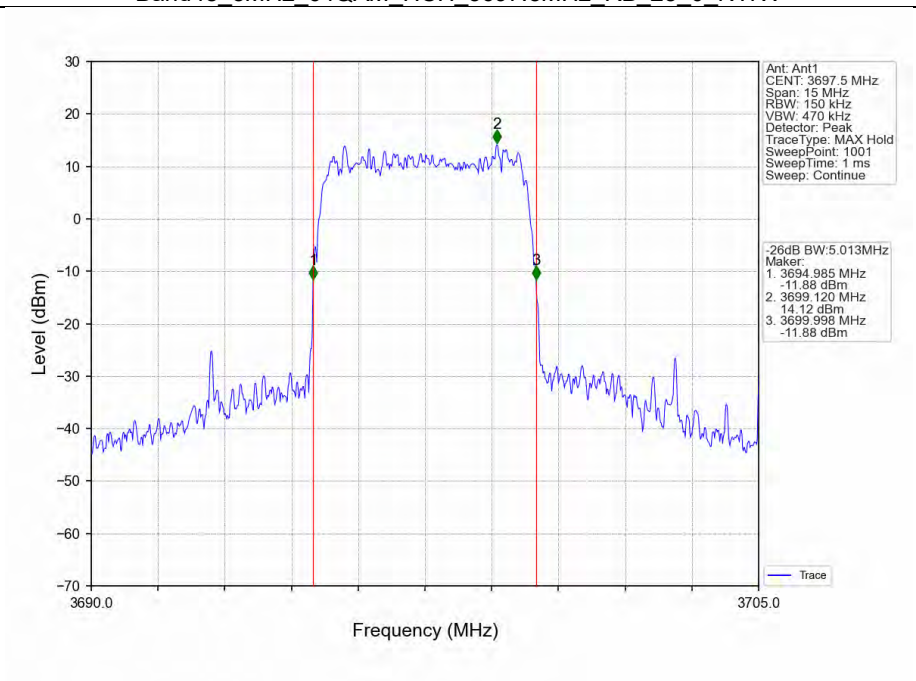

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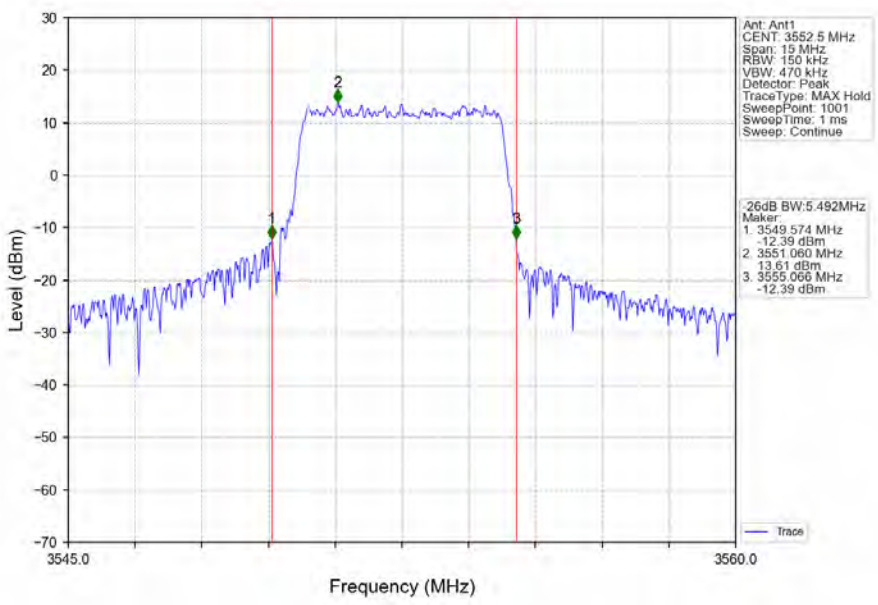

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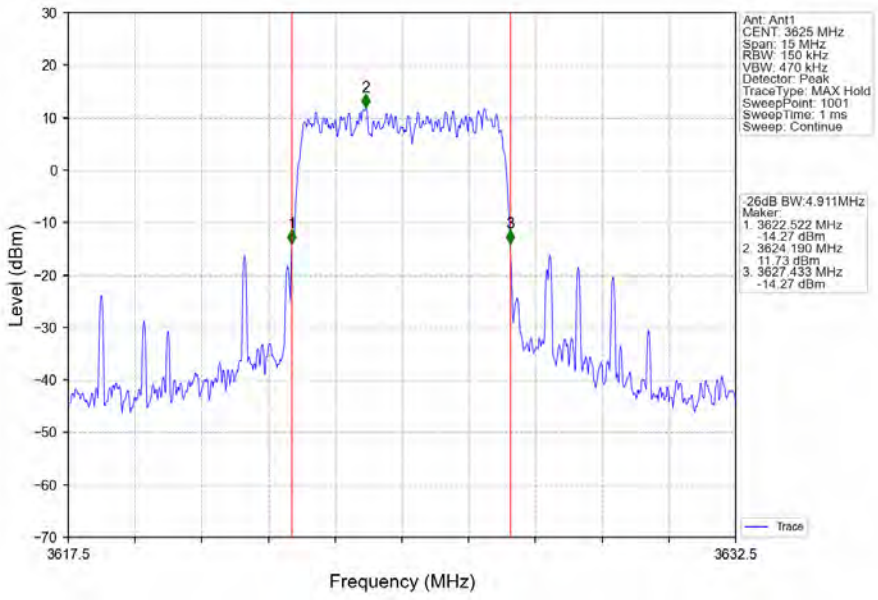

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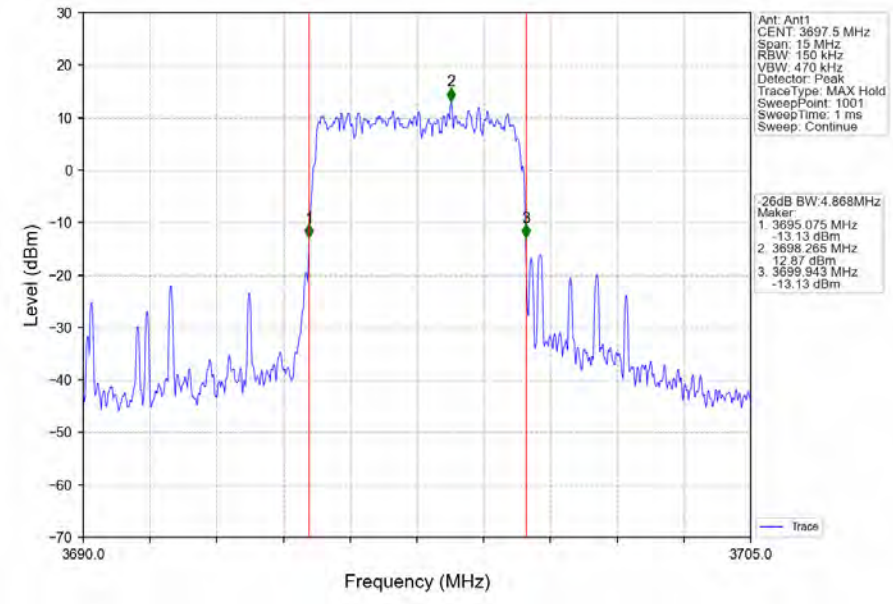

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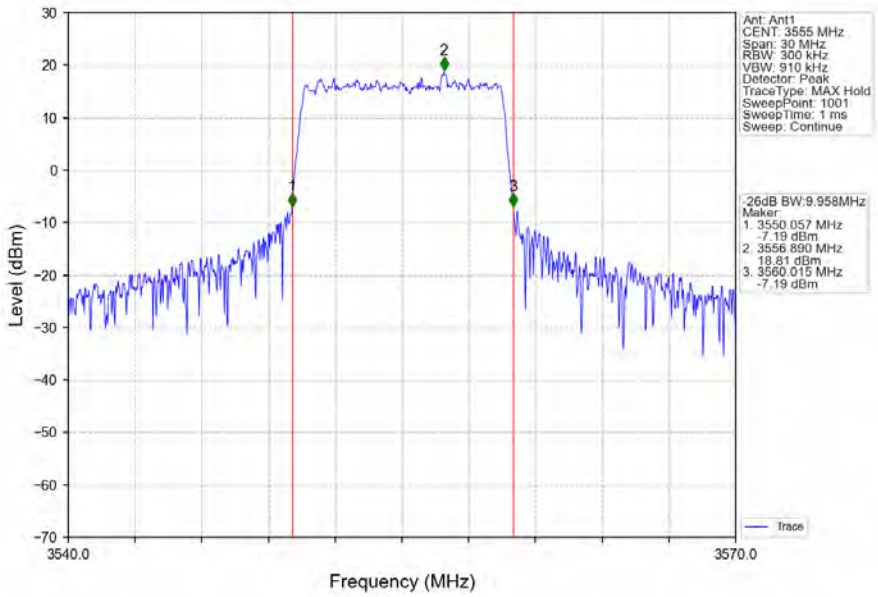

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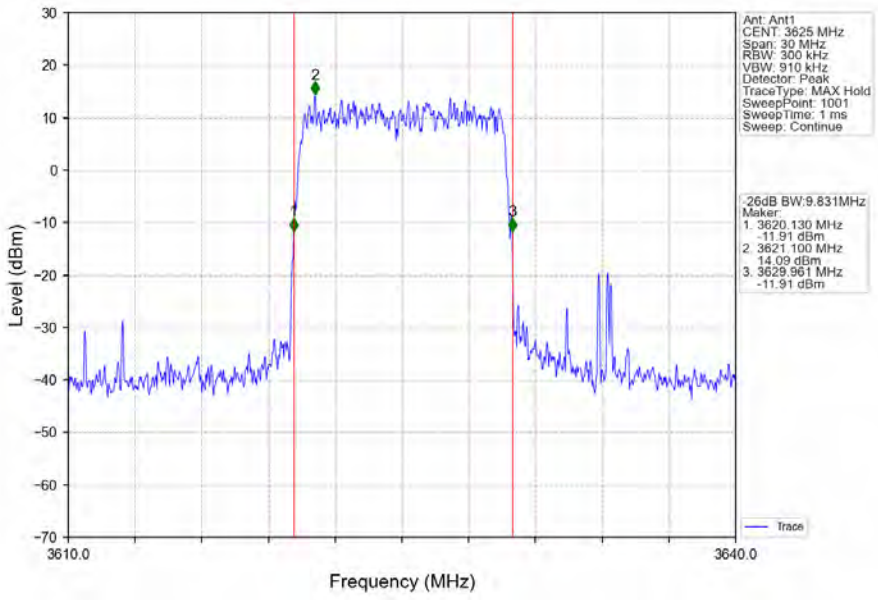

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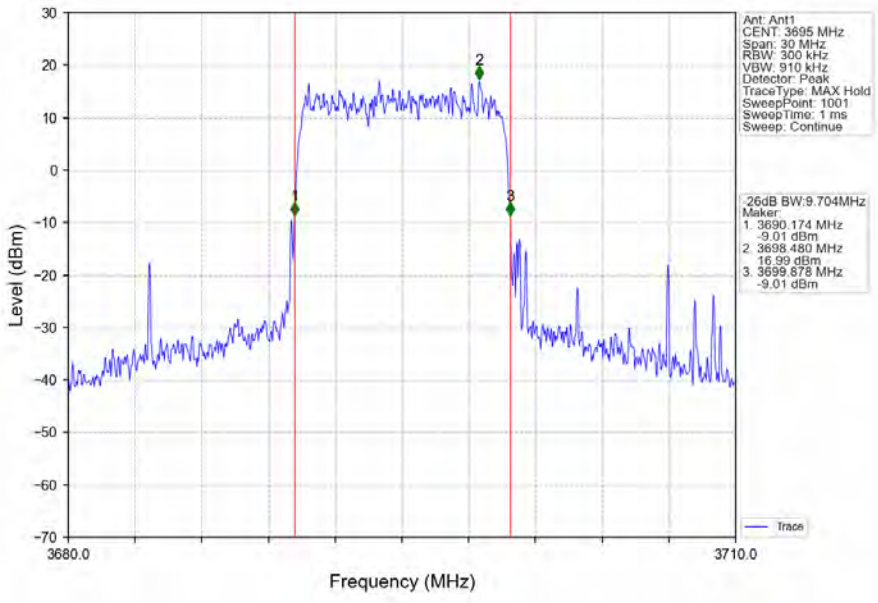

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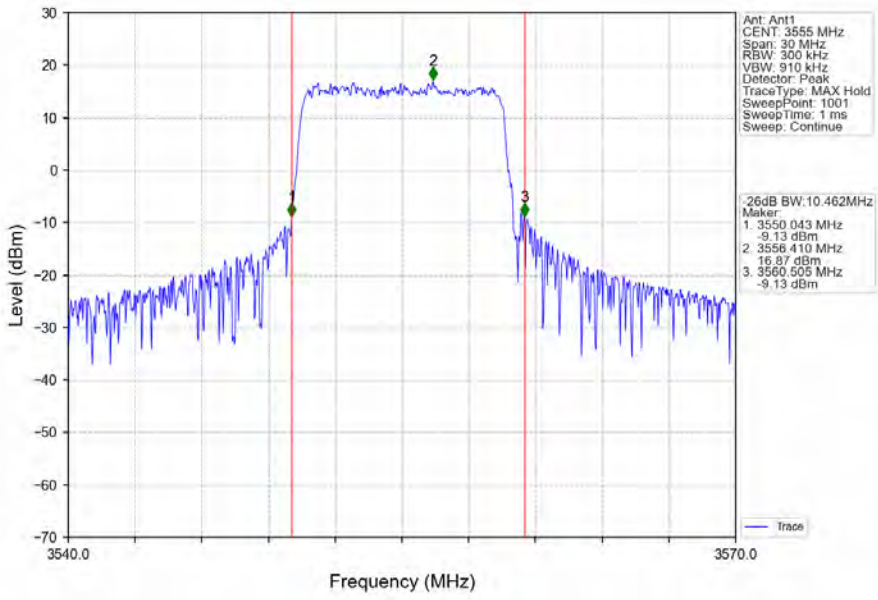

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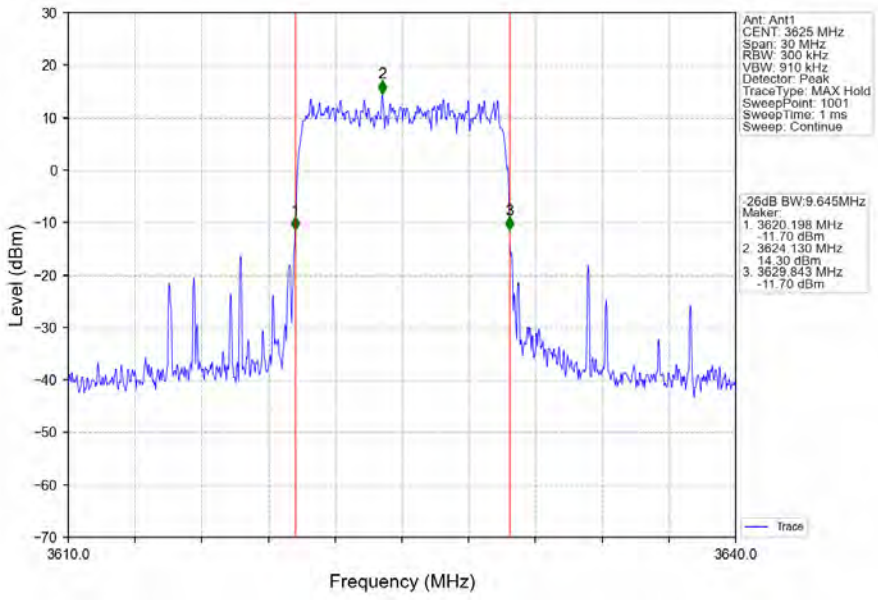
Band48_10MHz_16QAM_MCH_3625MHz_RB_50_0_NTNV



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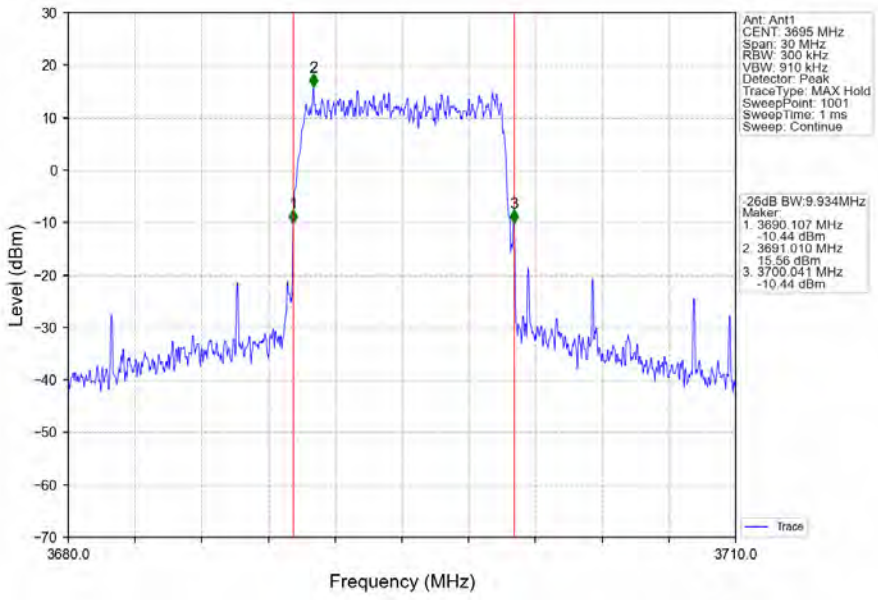

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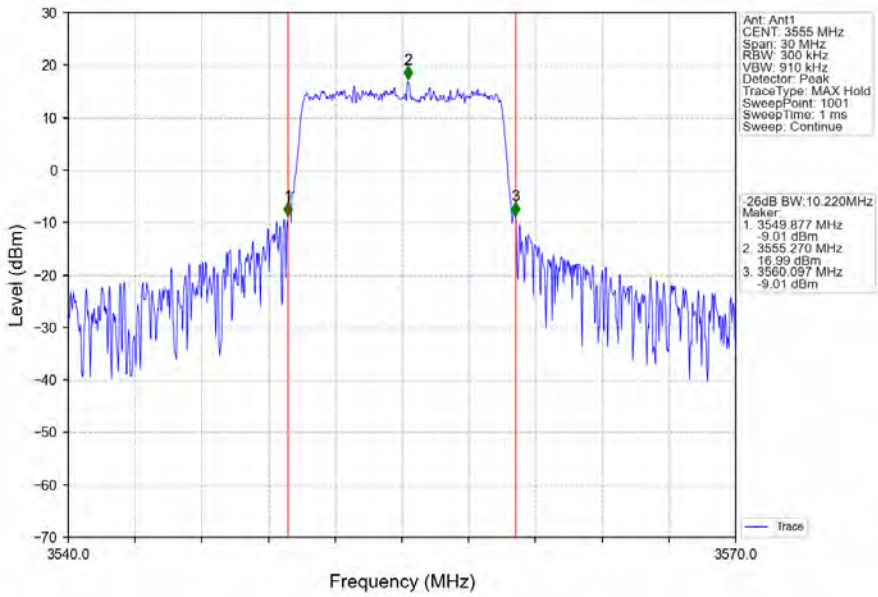
Band48_10MHz_64QAM_LCH_3555MHz_RB_50_0_NTNV



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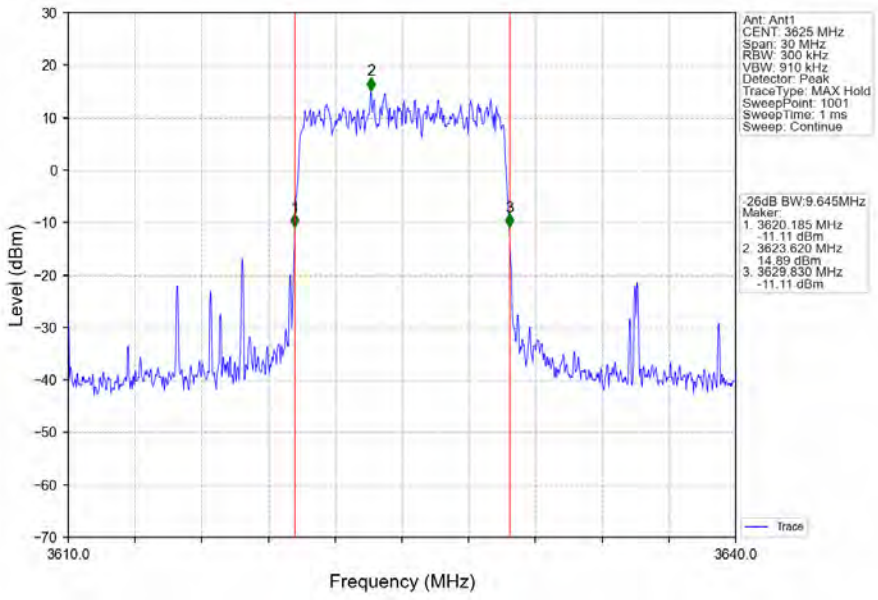

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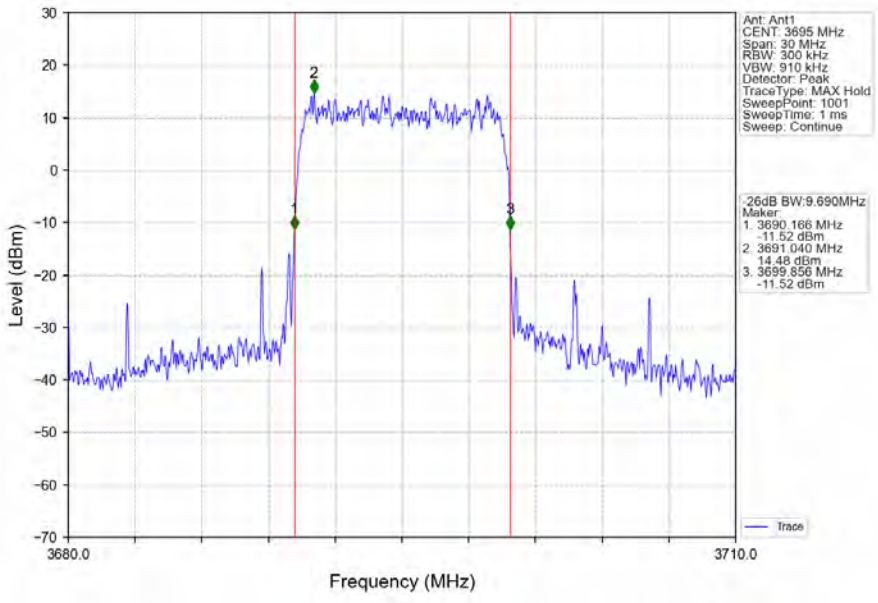

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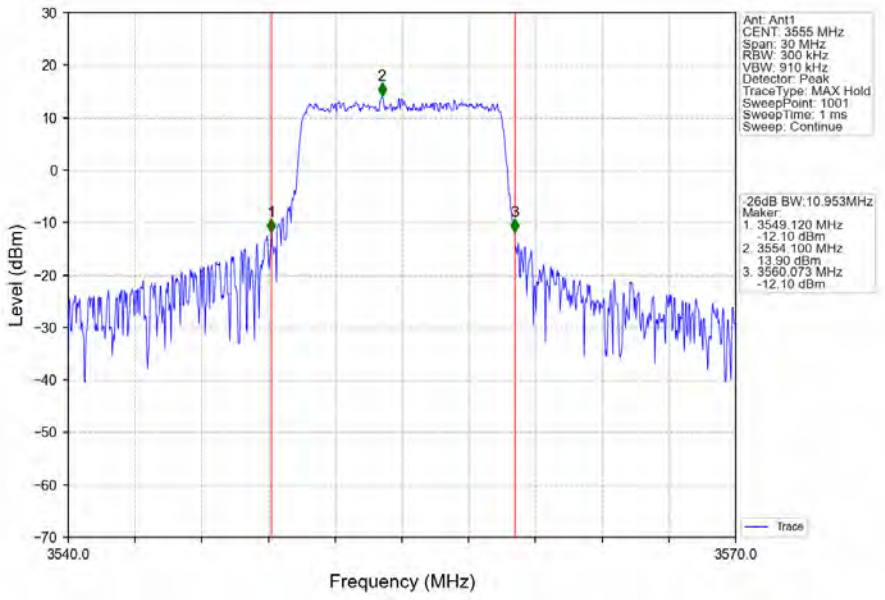

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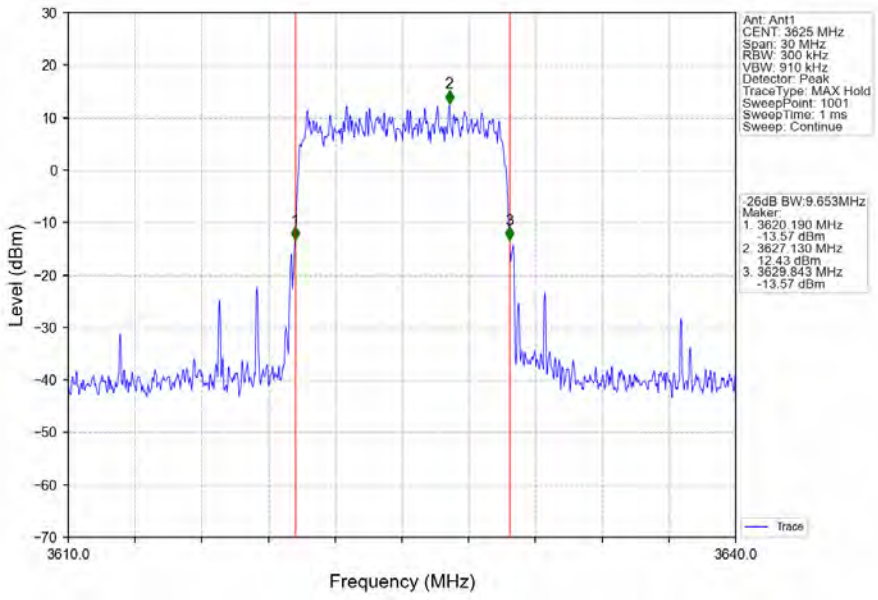

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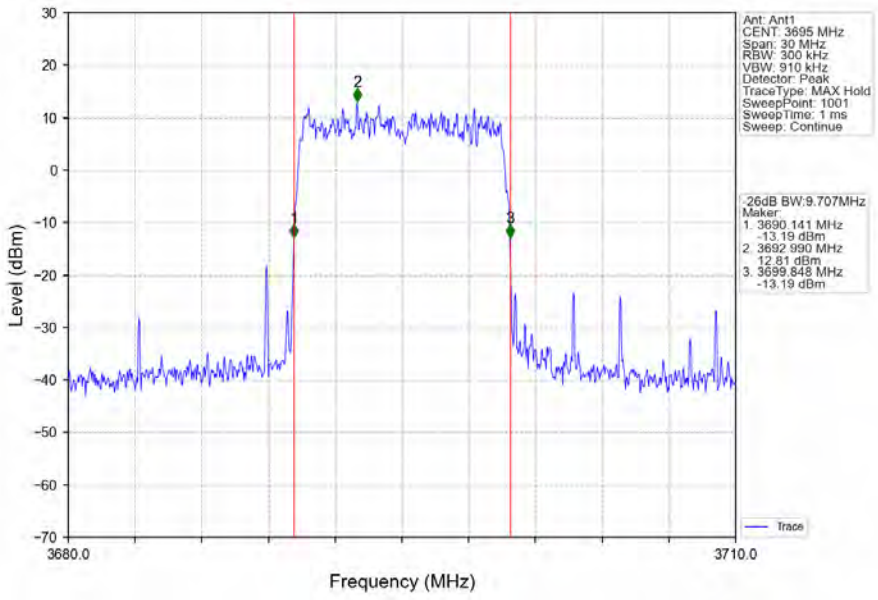

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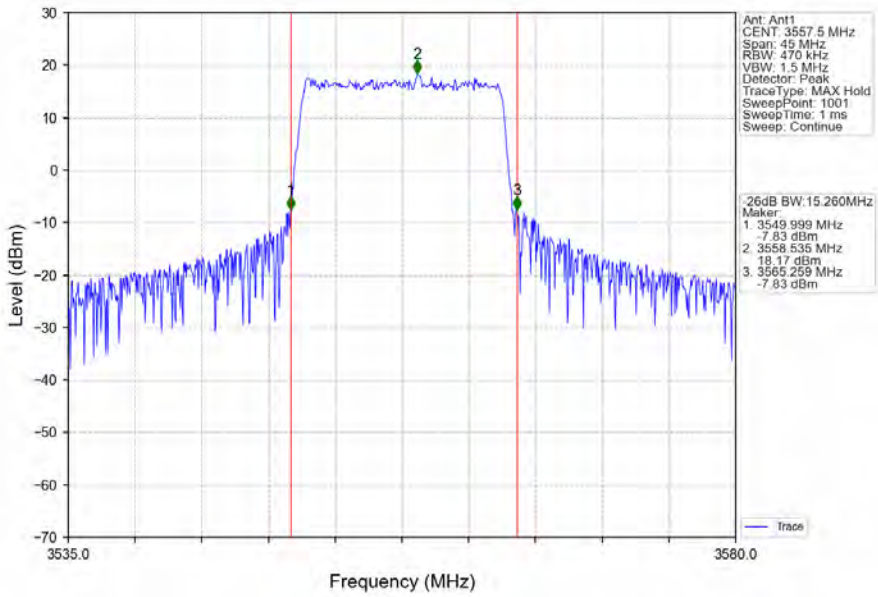

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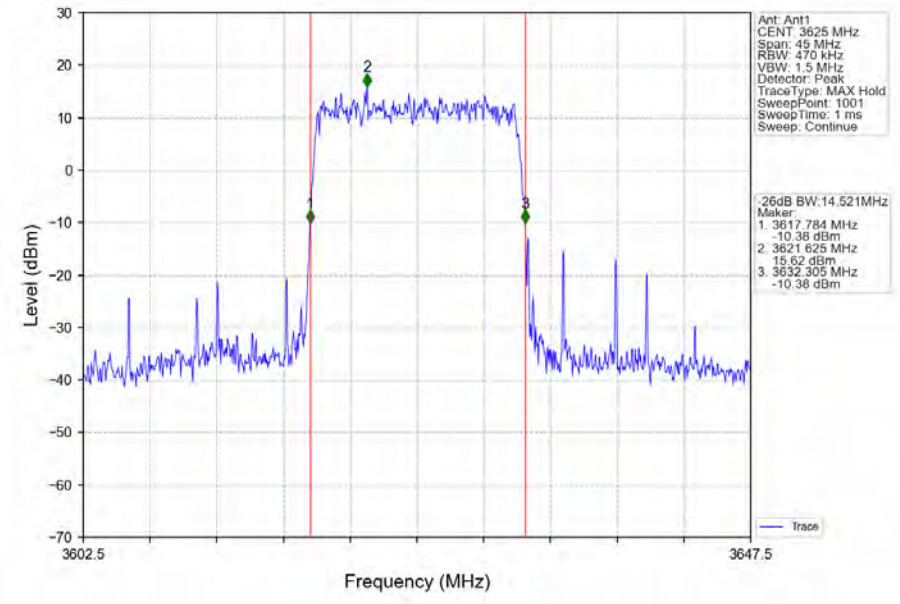

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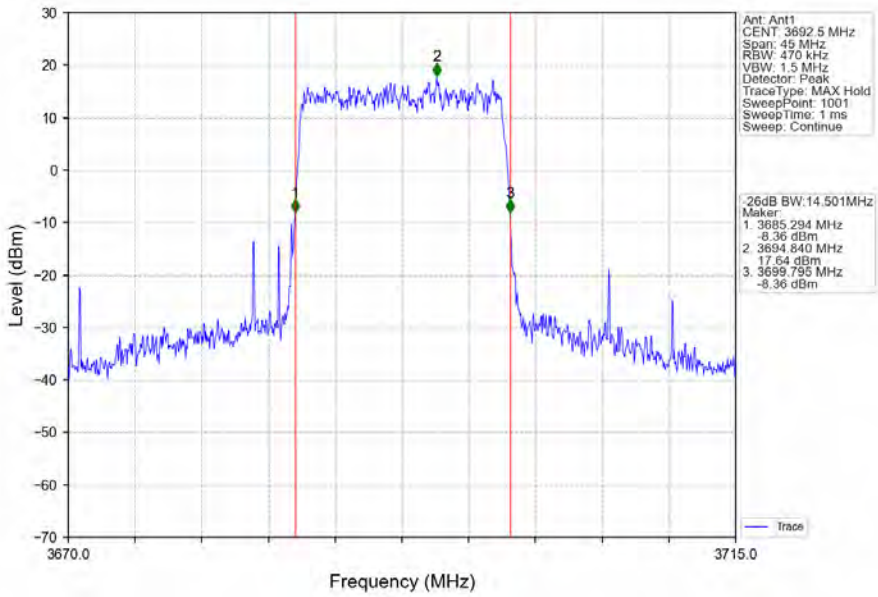

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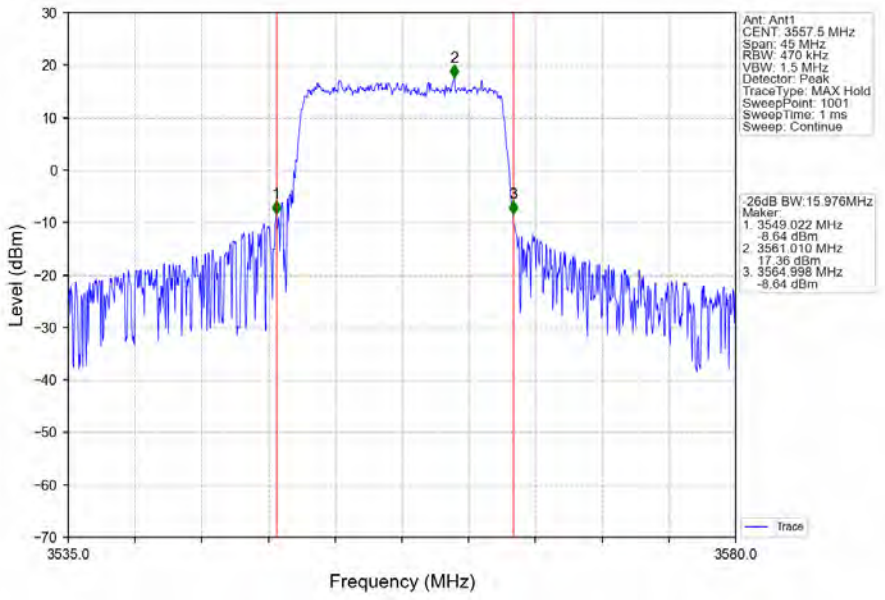

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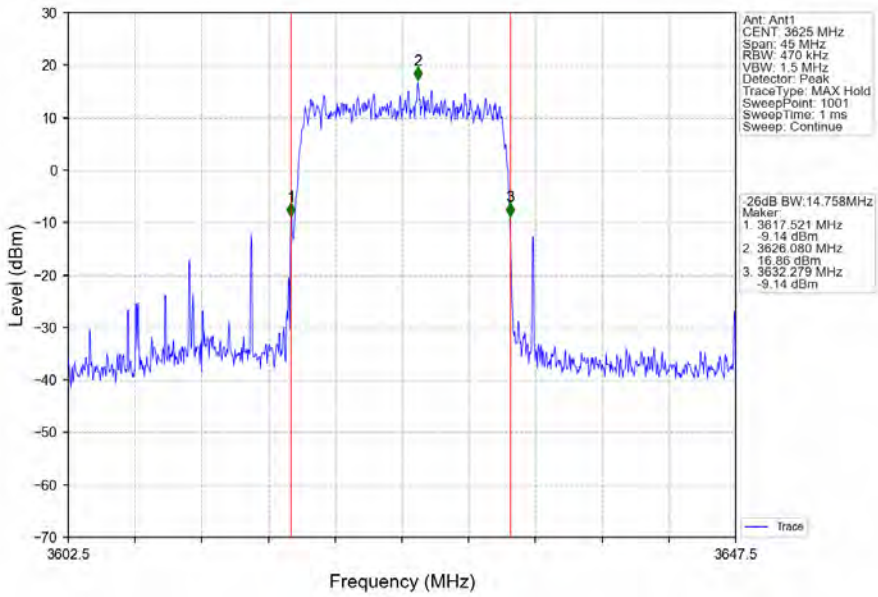

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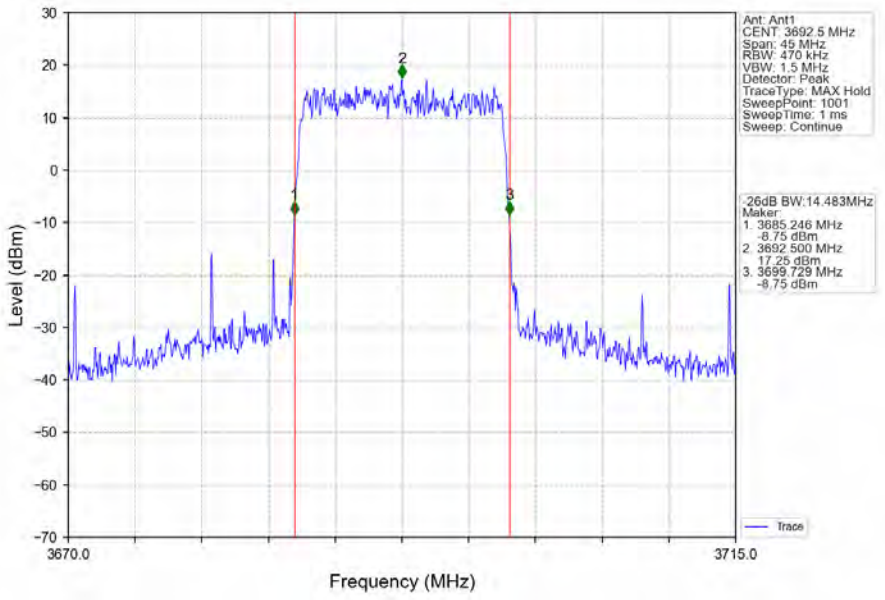

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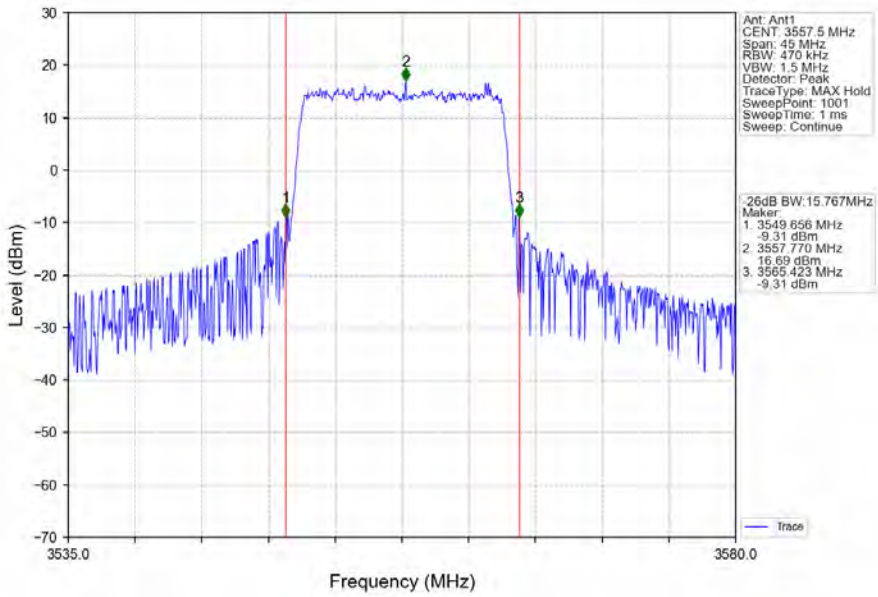
Band48_15MHz_64QAM_LCH_3557.5MHz_RB_75_0_NTNV



Band48_15MHz_64QAM_MCH_3625MHz_RB_75_0_NTNV

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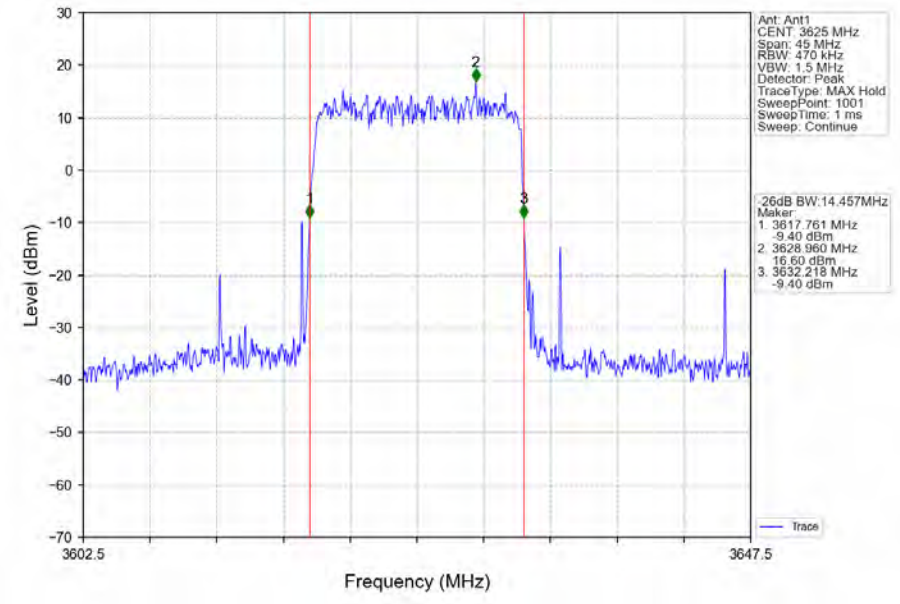

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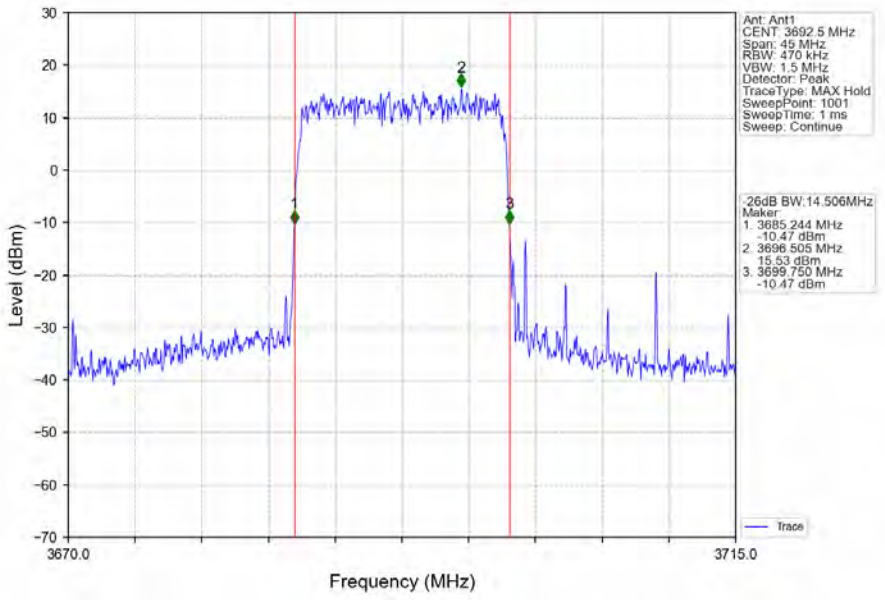
Band48_15MHz_64QAM_HCH_3692.5MHz_RB_75_0_NTNV



Band48_15MHz_256QAM_LCH_3557.5MHz_RB_75_0_NTNV

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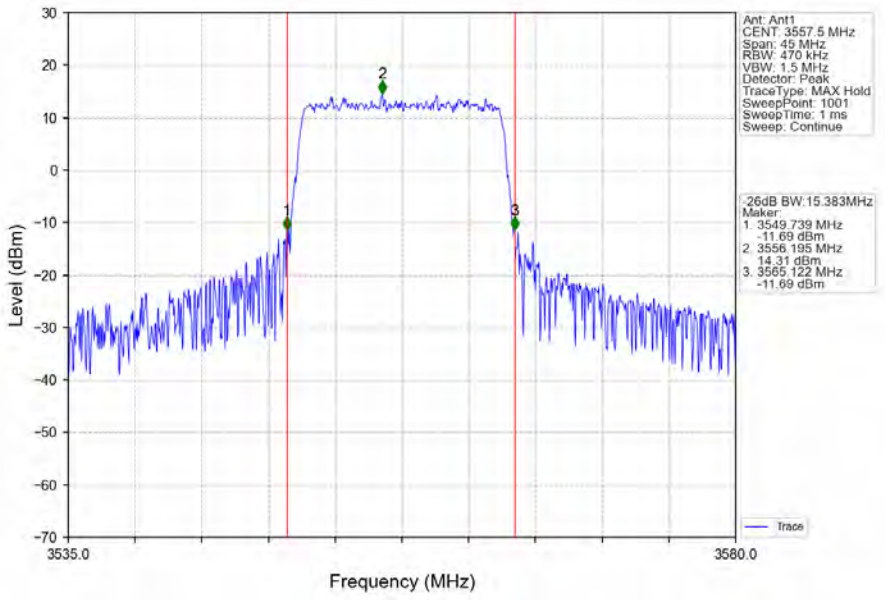

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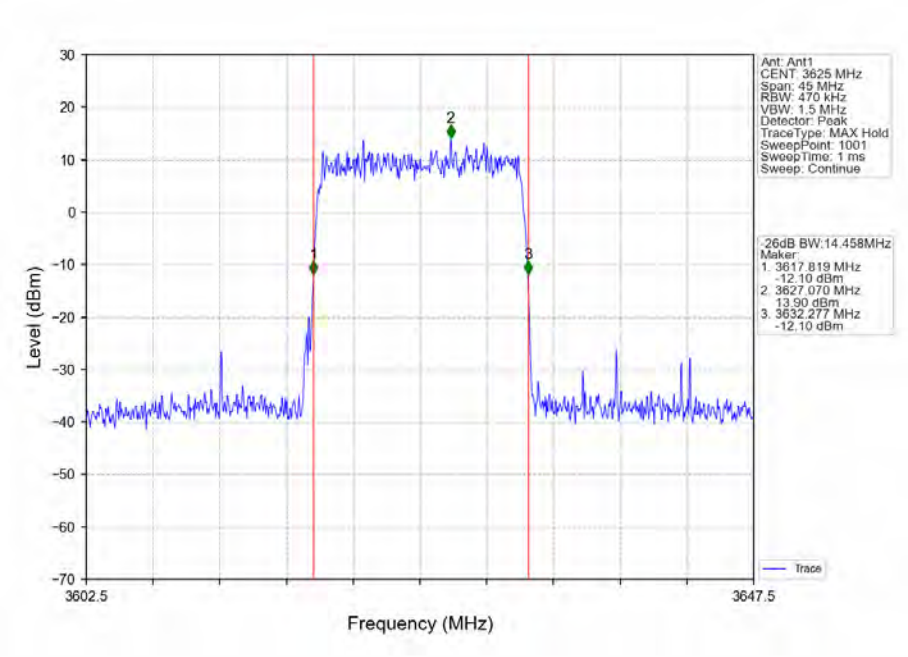
Band48_15MHz_256QAM_MCH_3625MHz_RB_75_0_NTNV



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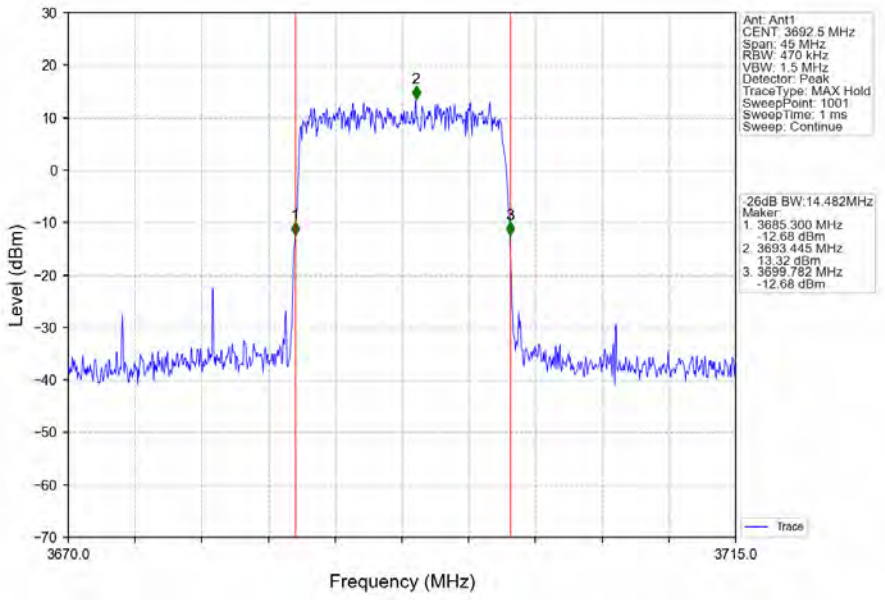

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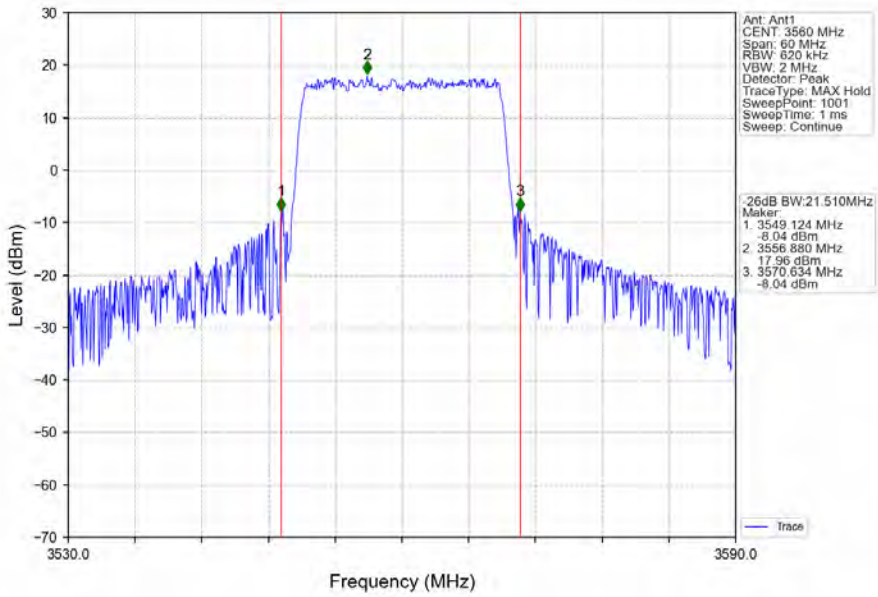
Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV



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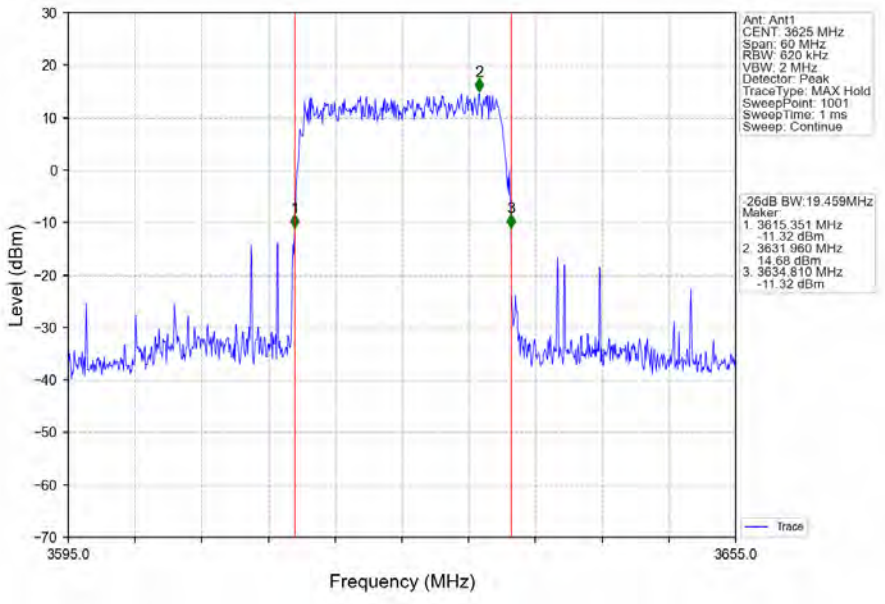

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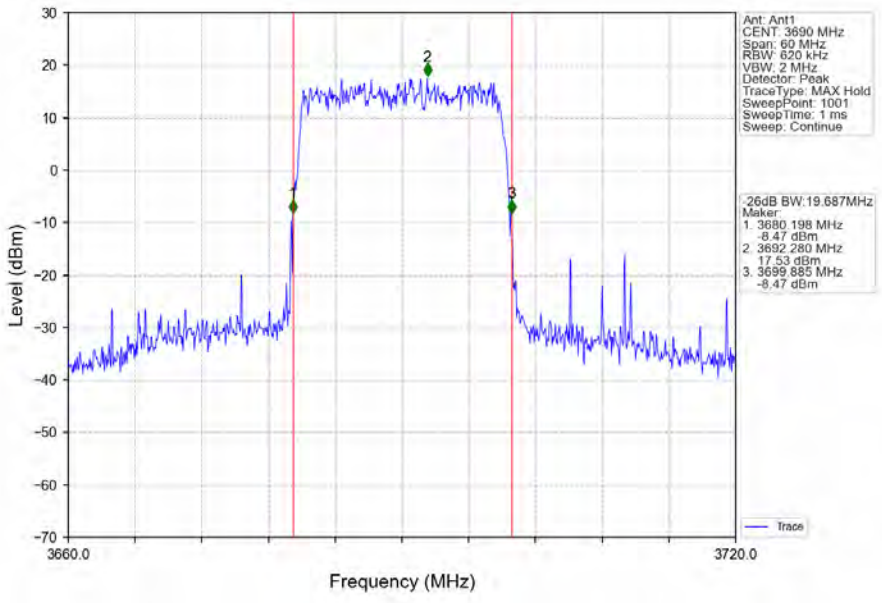

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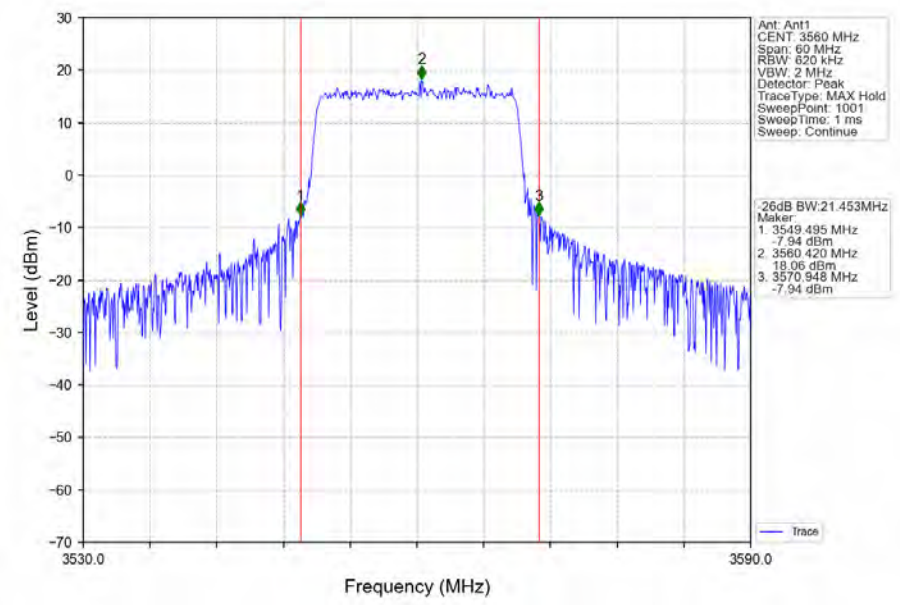

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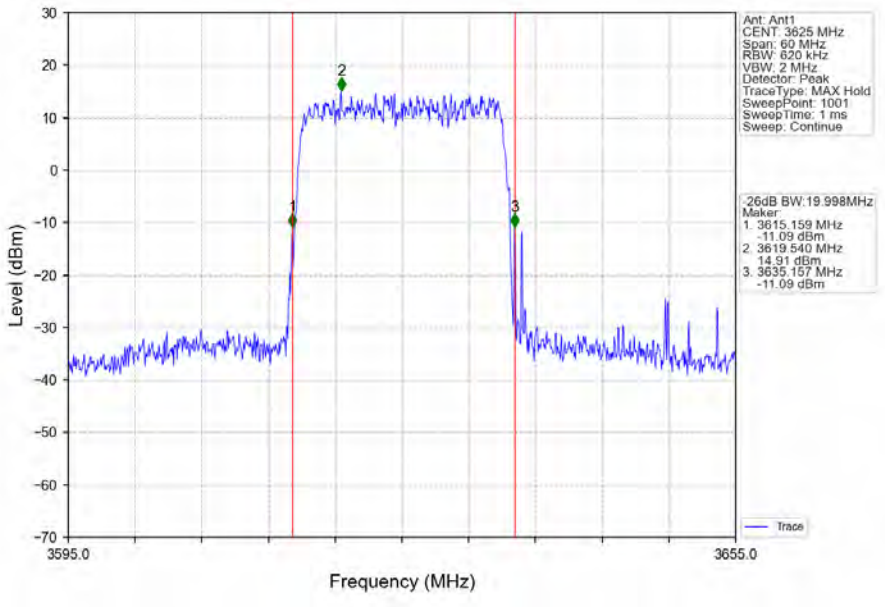

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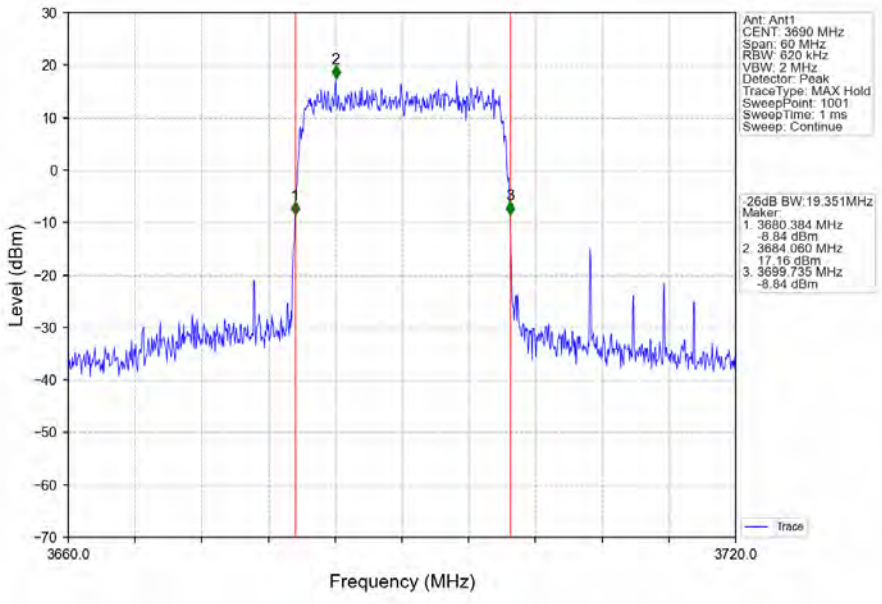

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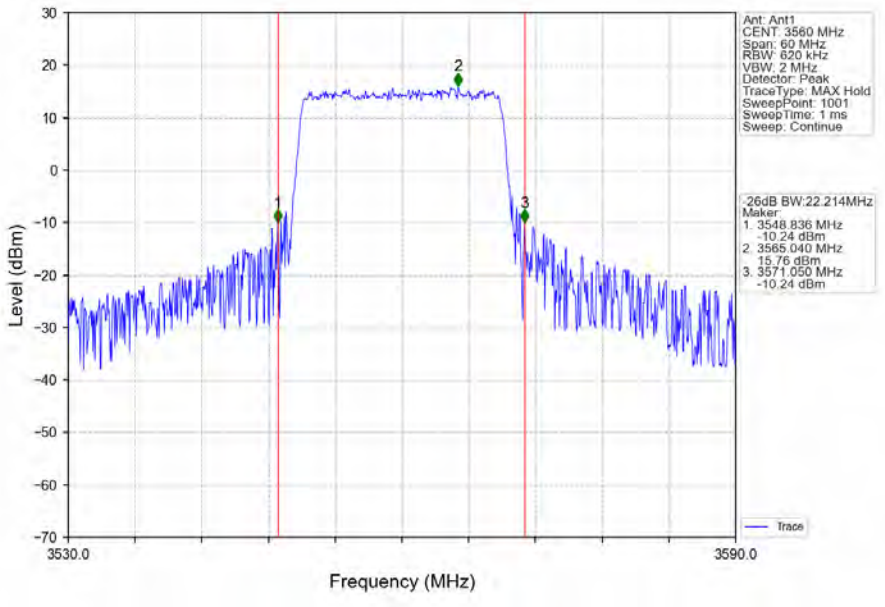

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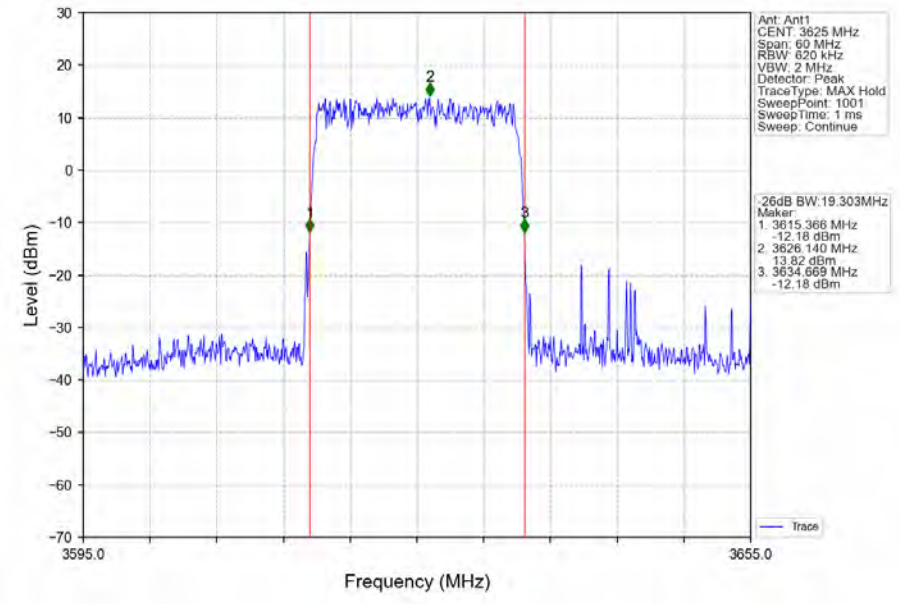

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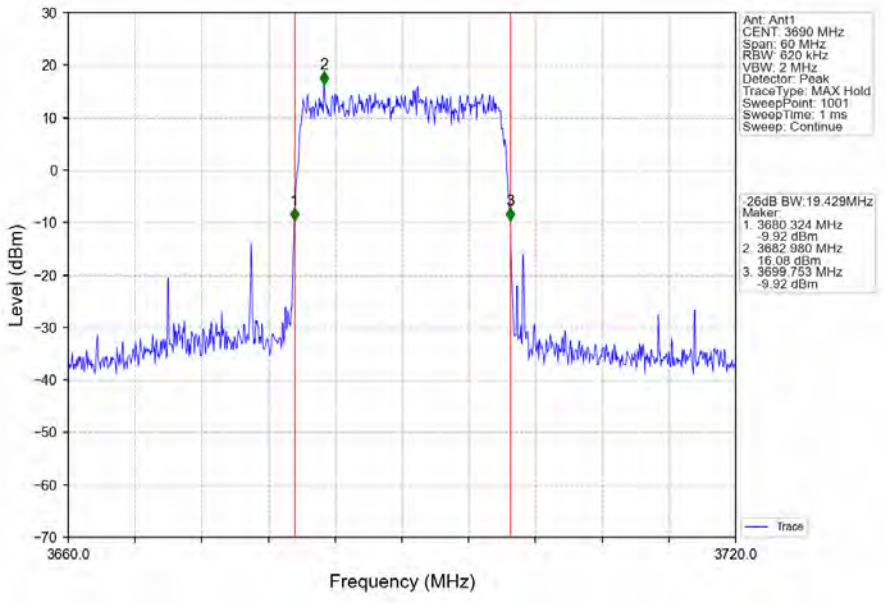
Band48_20MHz_64QAM_HCH_3690MHz_RB_100_0_NTNV



Band48_20MHz_256QAM_LCH_3560MHz_RB_100_0_NTNV

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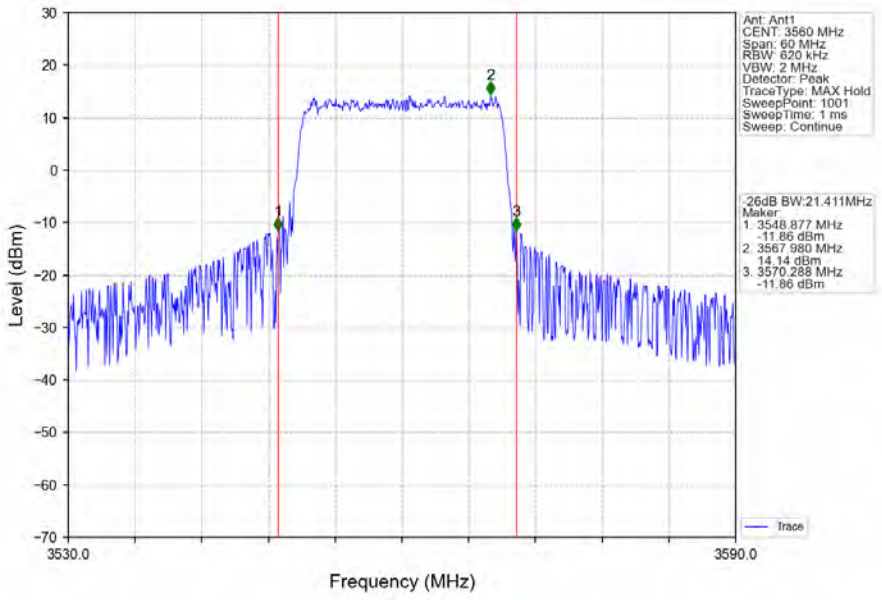

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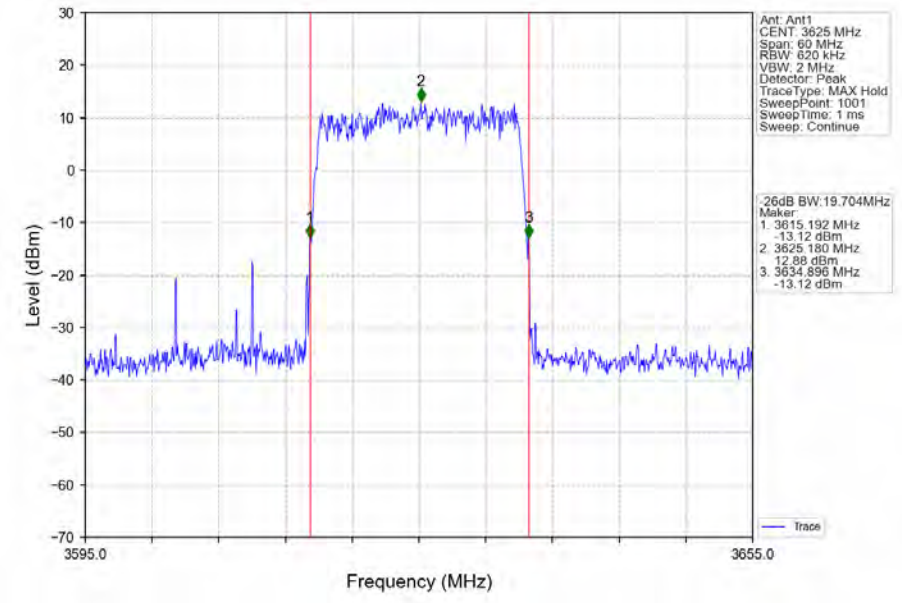

Band48_20MHz_256QAM_HCH_3690MHz_RB_100_0_NTNV

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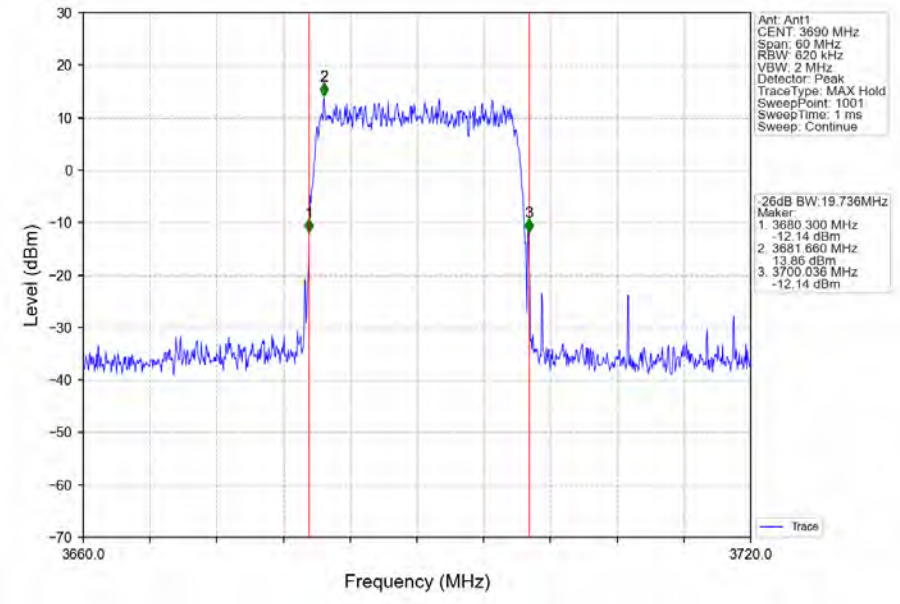

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4. Peak-Average Ratio

4.1 B48_5MHz

4.1.1 Test Result

Band: 48 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	25	0	7.50	<=13	Pass
	3625	25	0	8.72	<=13	Pass
	3697.5	25	0	7.30	<=13	Pass
16QAM	3552.5	25	0	8.07	<=13	Pass
	3625	25	0	8.93	<=13	Pass
	3697.5	25	0	8.11	<=13	Pass
64QAM	3552.5	25	0	8.78	<=13	Pass
	3625	25	0	8.77	<=13	Pass
	3697.5	25	0	8.69	<=13	Pass
256QAM	3552.5	25	0	8.85	<=13	Pass
	3625	25	0	8.85	<=13	Pass
	3697.5	25	0	8.74	<=13	Pass

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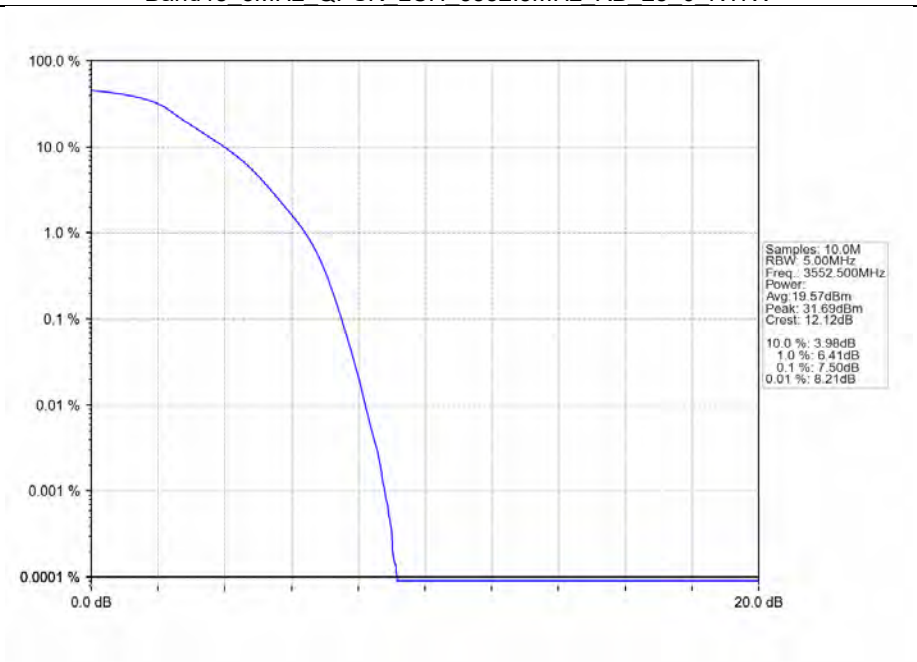
4.1.2 Test Graph

Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV



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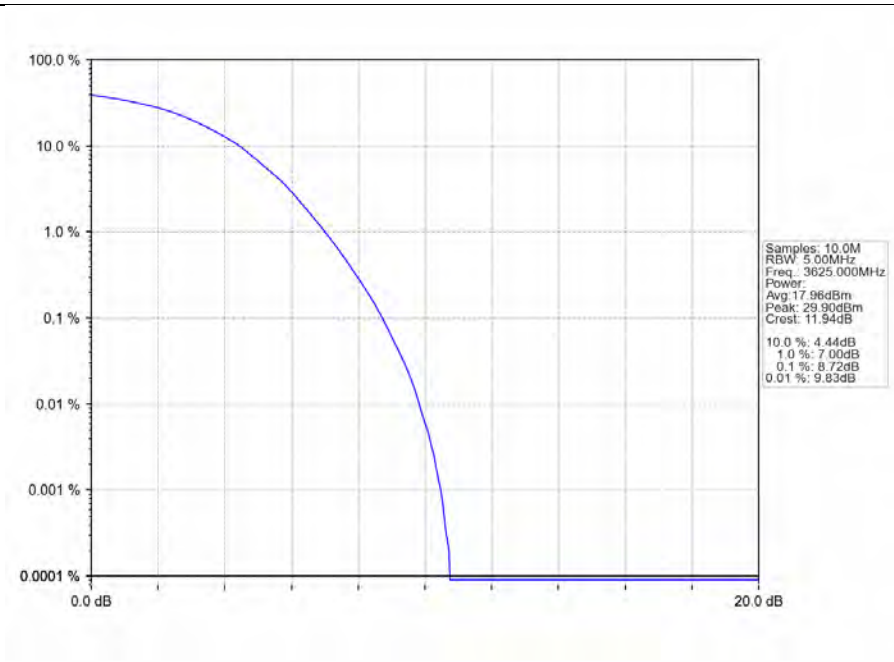

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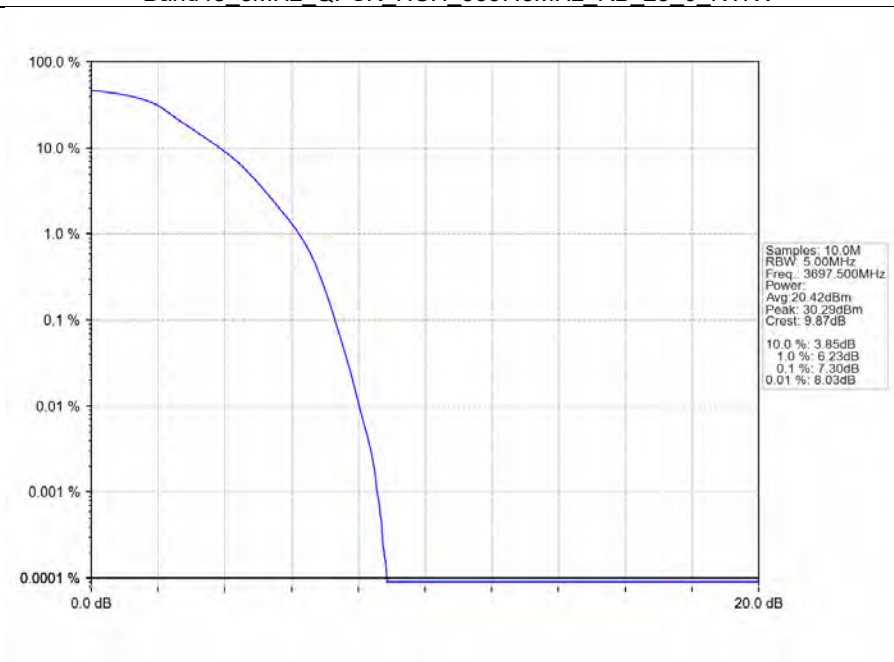

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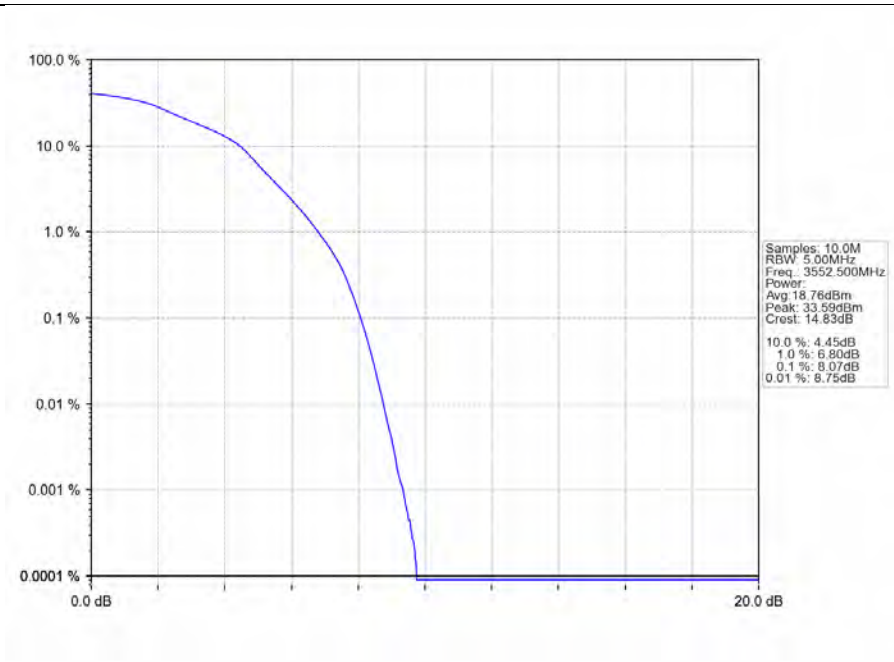

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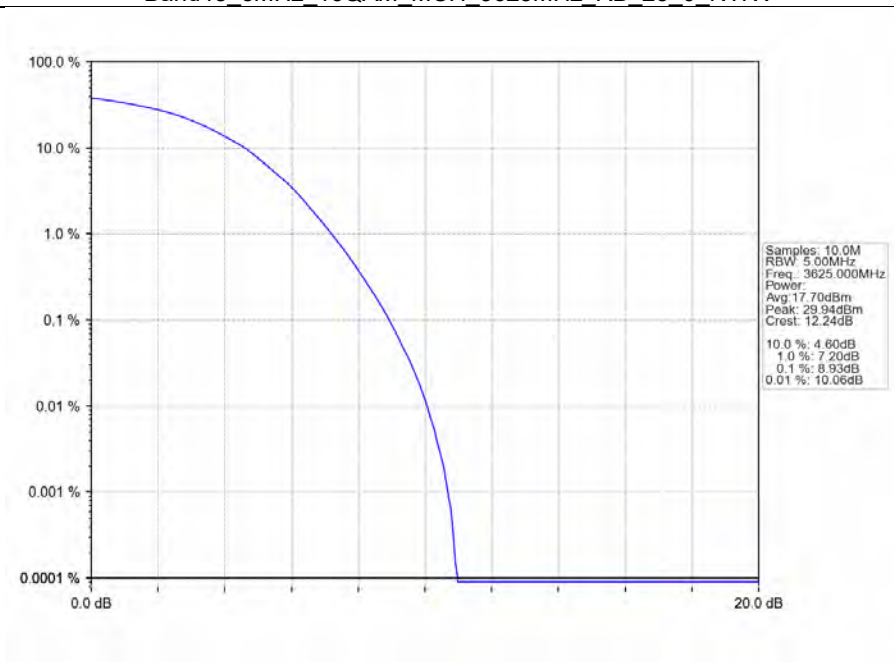
Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV



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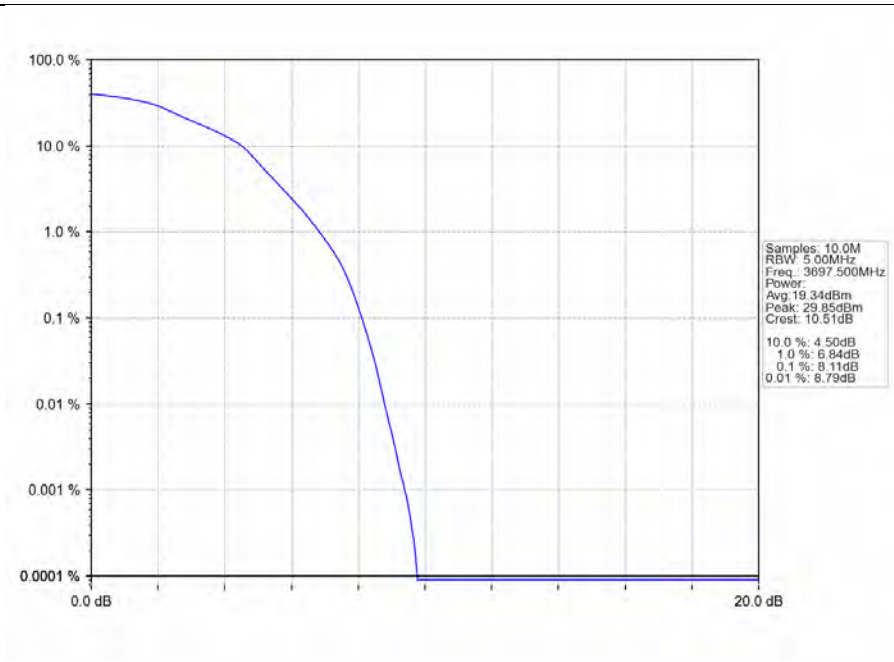

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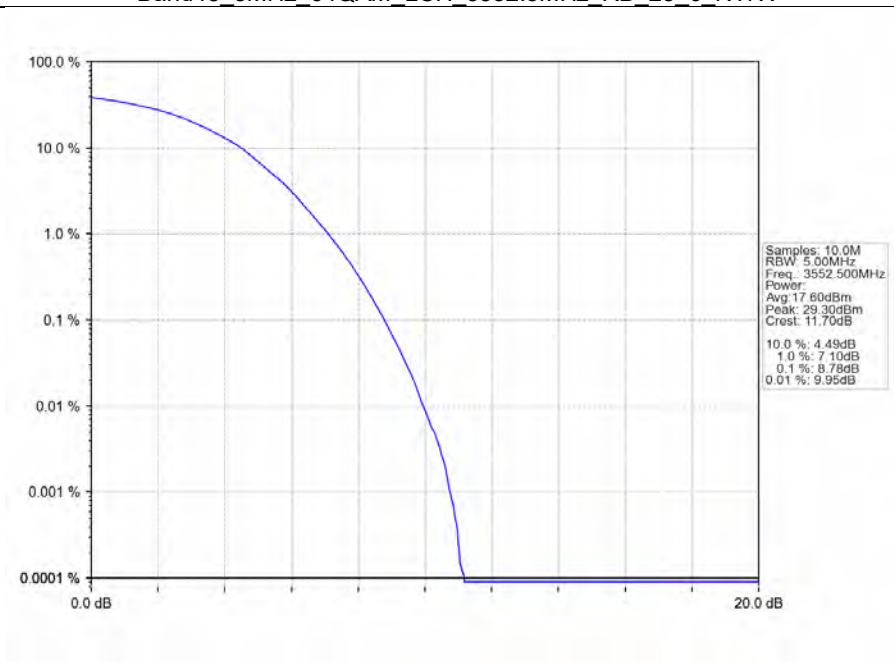

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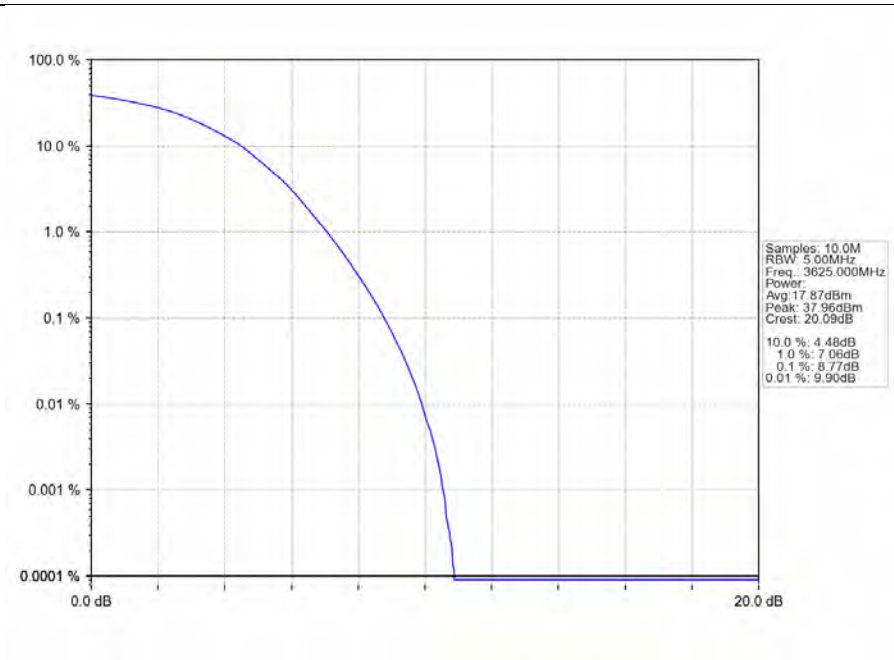

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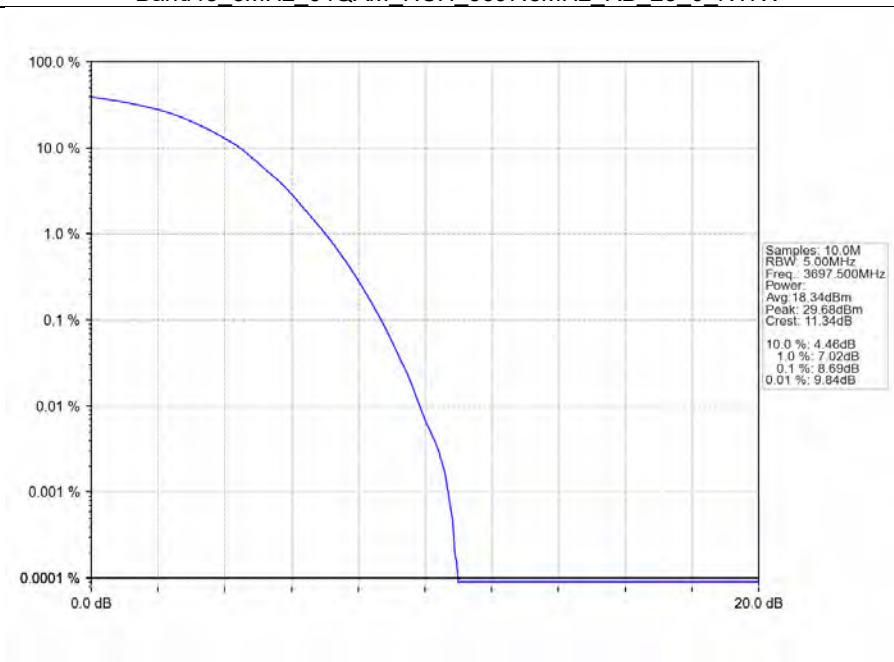
Band48_5MHz_64QAM_HCH_3697.5MHz_RB_25_0_NTNV



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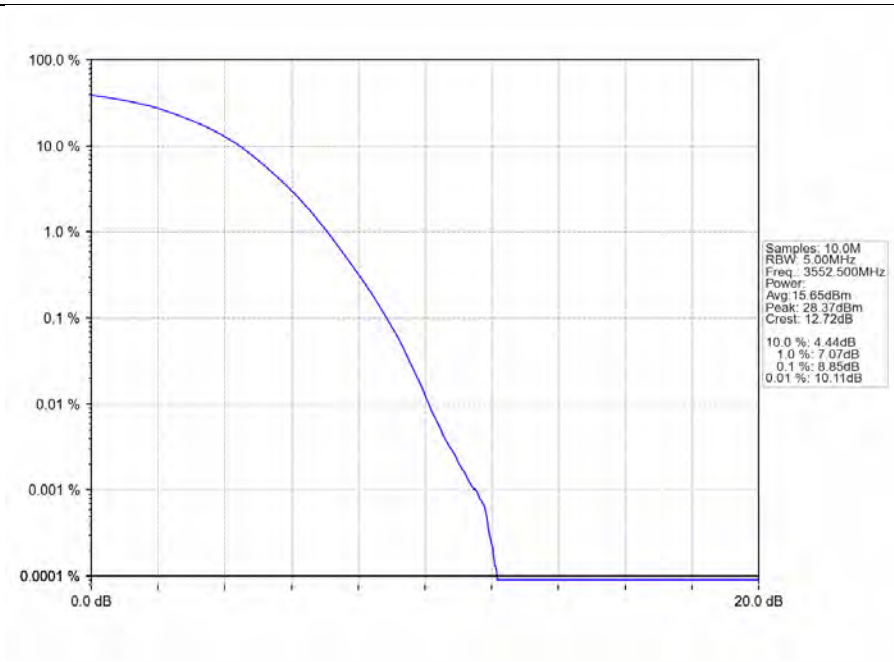

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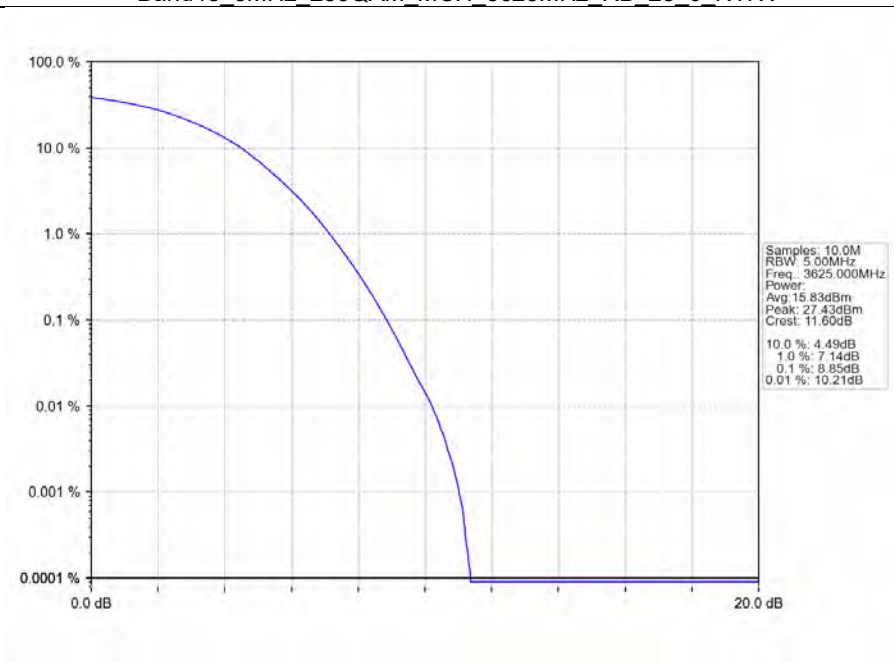

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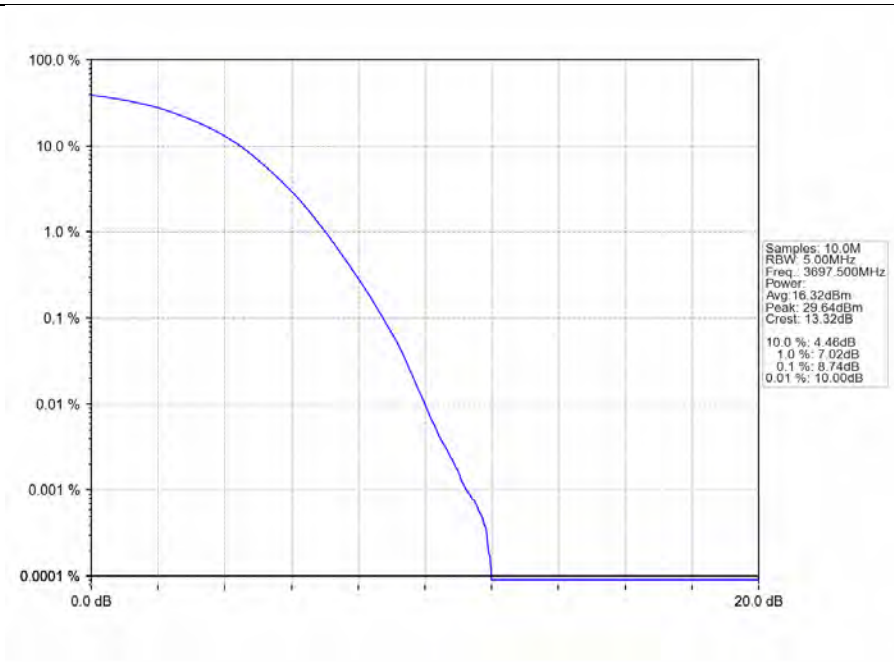

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4.2 B48_10MHz

4.2.1 Test Result

Band: 48 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	50	0	7.36	<=13	Pass
	3625	50	0	8.73	<=13	Pass
	3695	50	0	7.08	<=13	Pass
16QAM	3555	50	0	8.13	<=13	Pass
	3625	50	0	8.57	<=13	Pass
	3695	50	0	8.23	<=13	Pass
64QAM	3555	50	0	8.70	<=13	Pass
	3625	50	0	8.60	<=13	Pass
	3695	50	0	8.59	<=13	Pass
256QAM	3555	50	0	8.65	<=13	Pass
	3625	50	0	8.69	<=13	Pass
	3695	50	0	8.61	<=13	Pass

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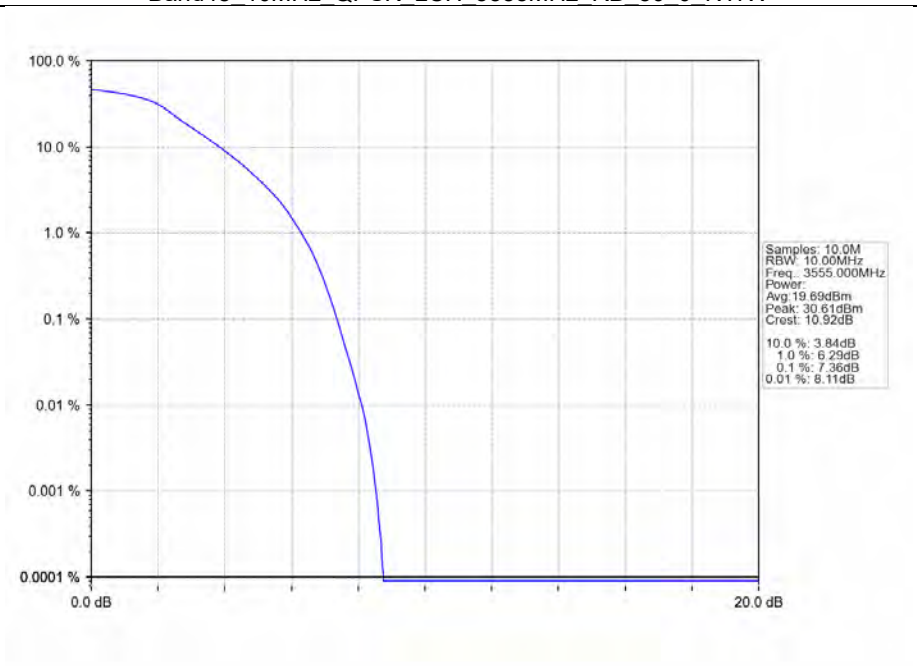
4.2.2 Test Graph

Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV



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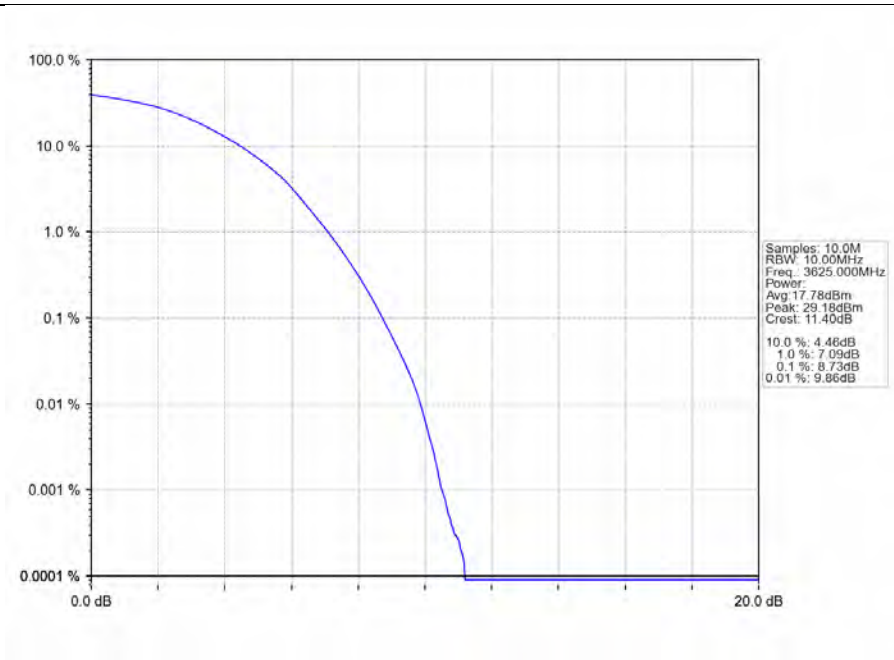

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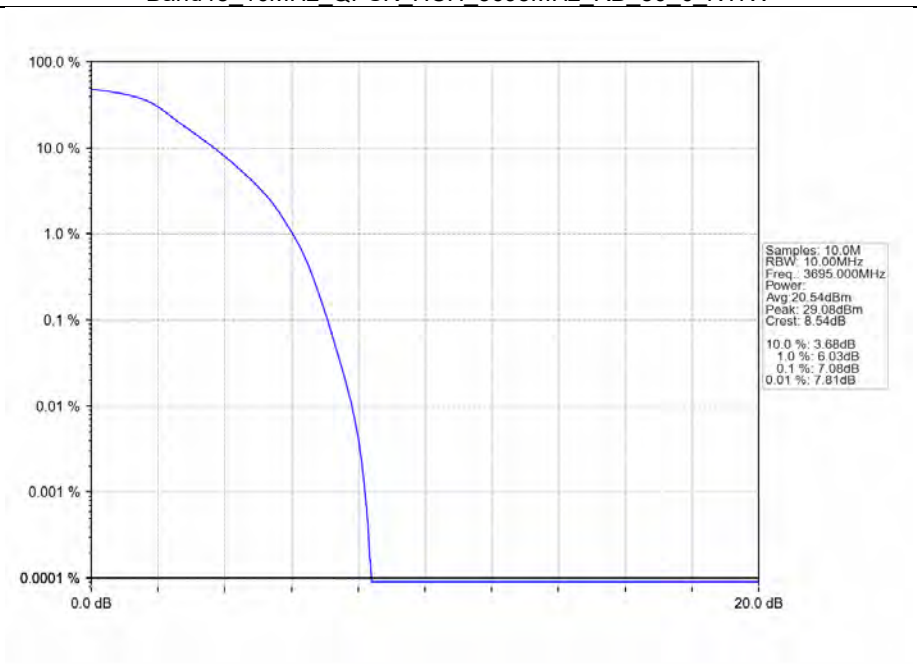

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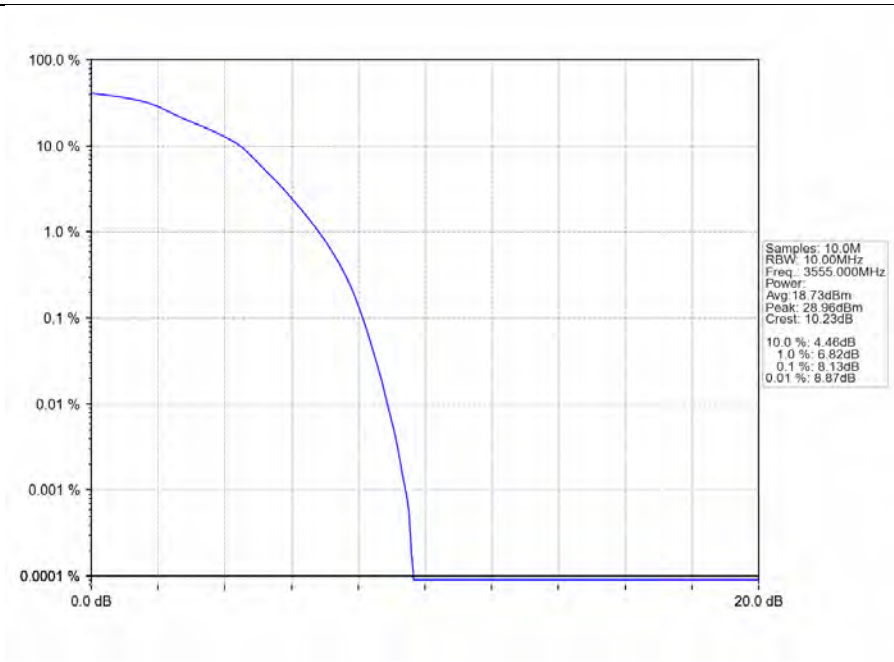

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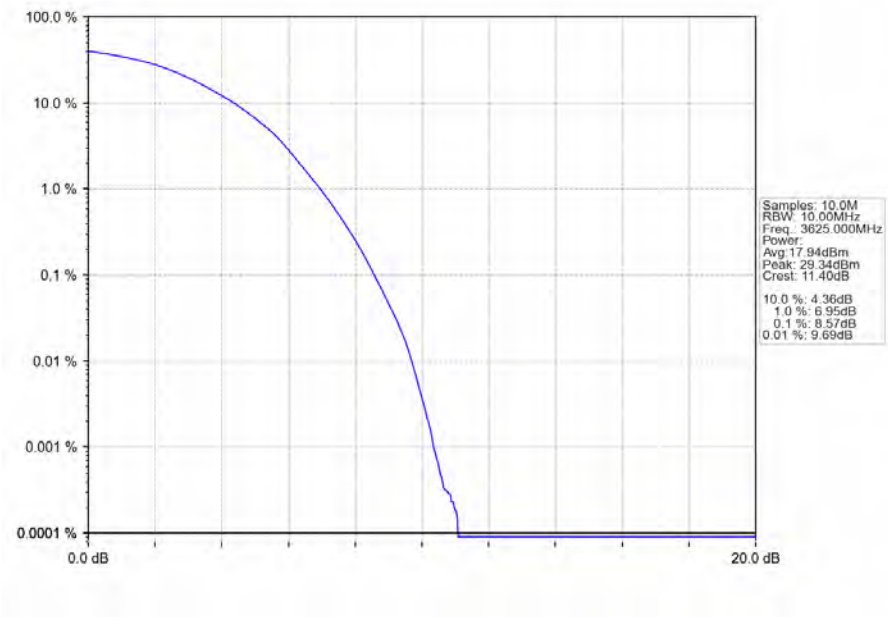

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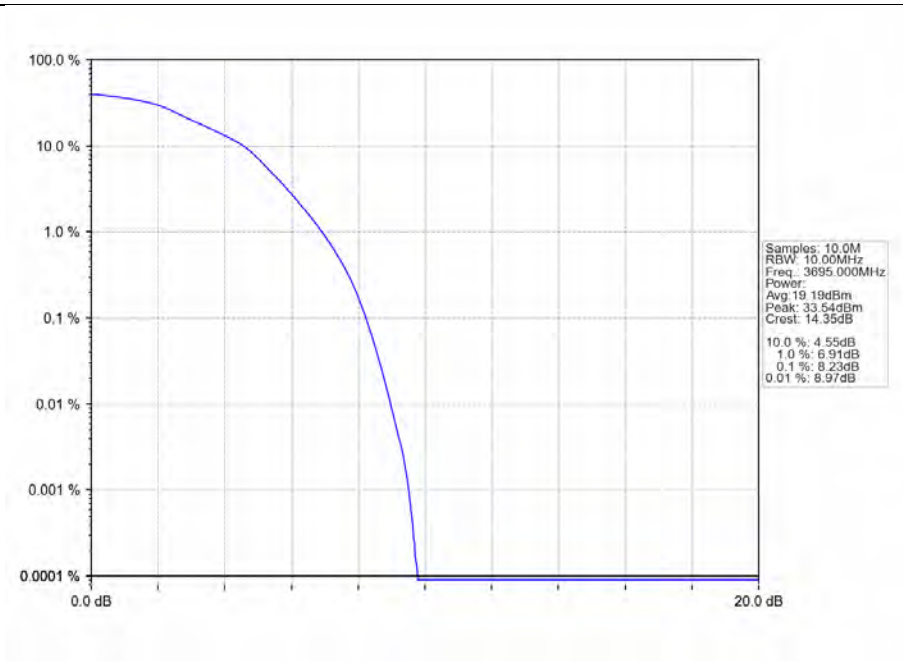

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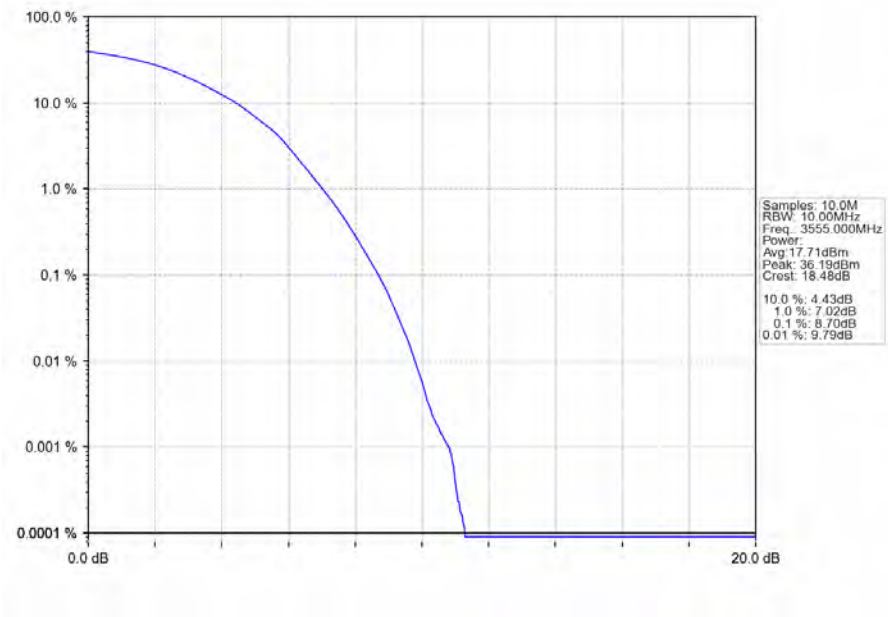

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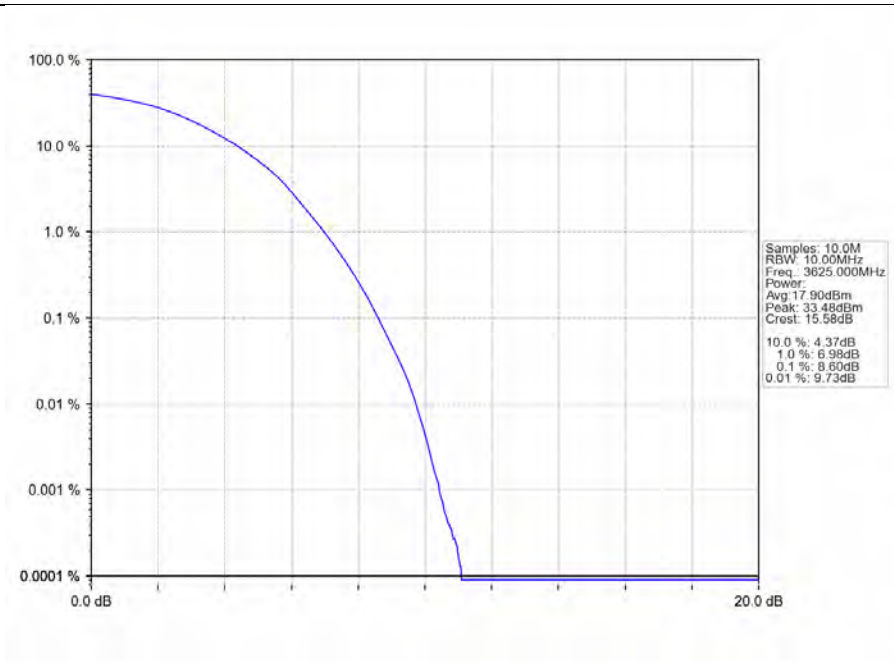

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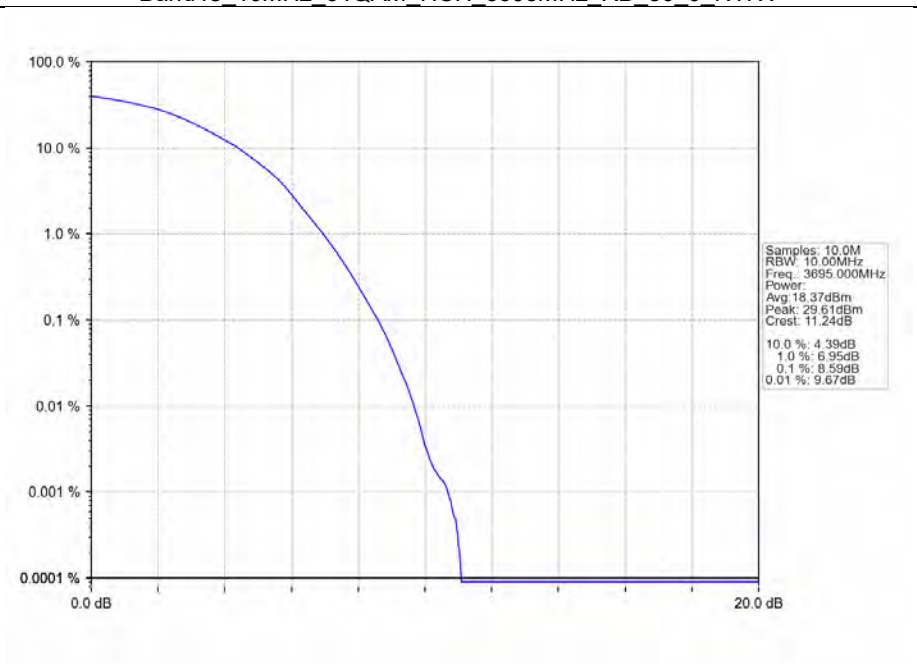
Band48_10MHz_64QAM_HCH_3695MHz_RB_50_0_NTNV



Band48_10MHz_256QAM_LCH_3555MHz_RB_50_0_NTNV

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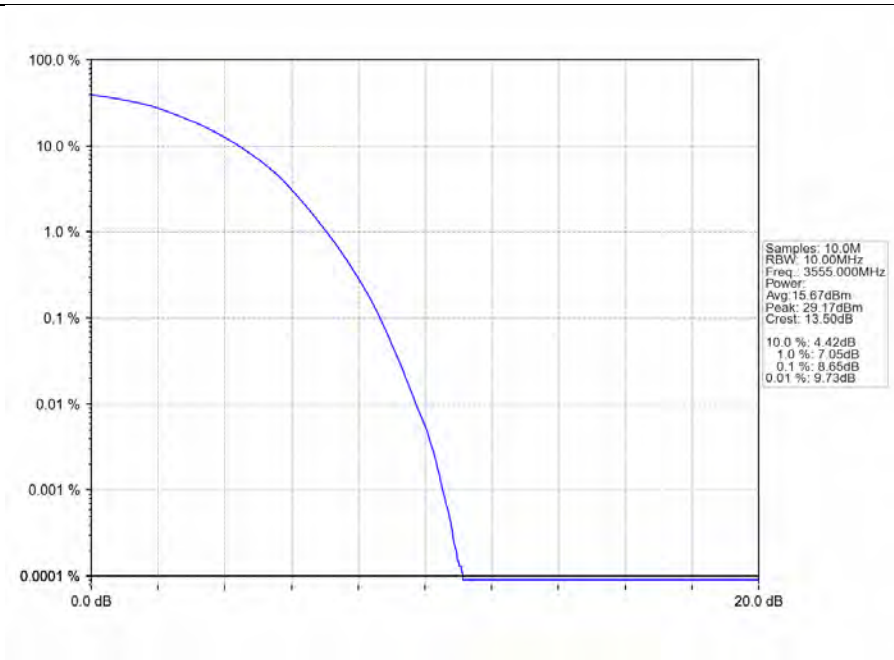

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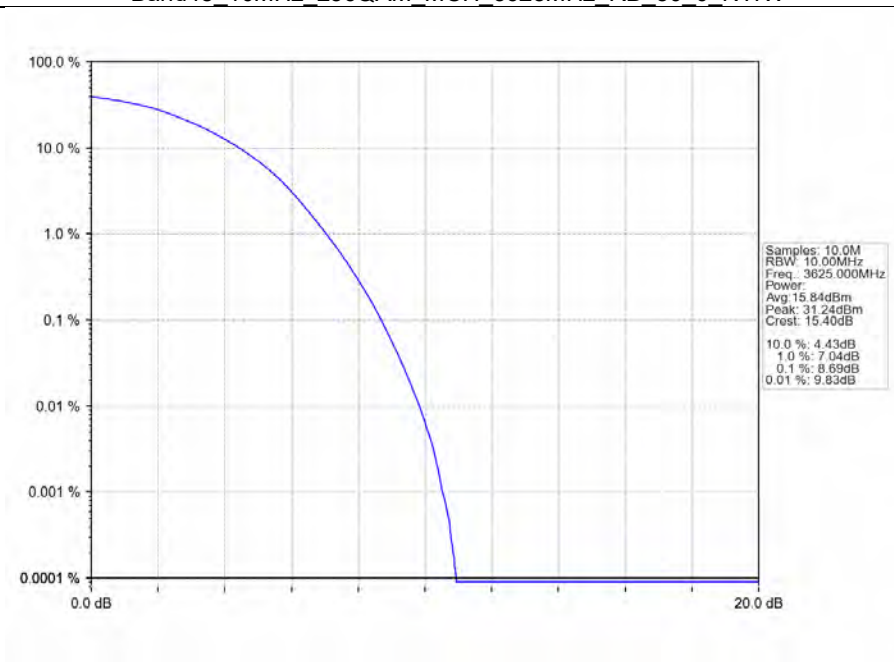

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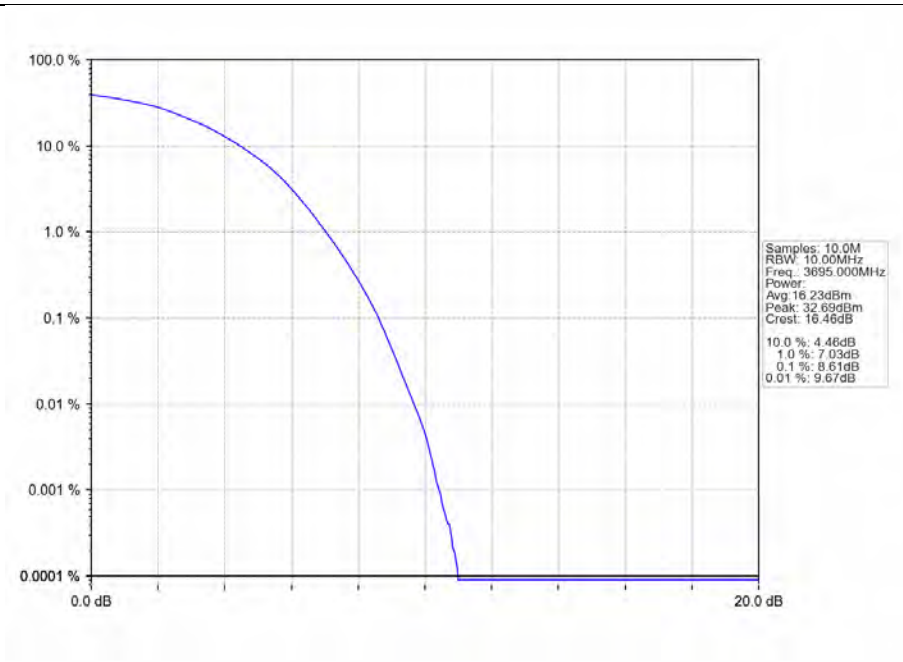

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4.3 B48_15MHz

4.3.1 Test Result

Band: 48 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	75	0	7.23	<=13	Pass
	3625	75	0	8.62	<=13	Pass
	3692.5	75	0	7.51	<=13	Pass
16QAM	3557.5	75	0	8.46	<=13	Pass
	3625	75	0	8.42	<=13	Pass
	3692.5	75	0	8.17	<=13	Pass
64QAM	3557.5	75	0	8.85	<=13	Pass
	3625	75	0	9.11	<=13	Pass
	3692.5	75	0	8.76	<=13	Pass
256QAM	3557.5	75	0	8.57	<=13	Pass
	3625	75	0	10.14	<=13	Pass
	3692.5	75	0	8.74	<=13	Pass

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4.3.2 Test Graph

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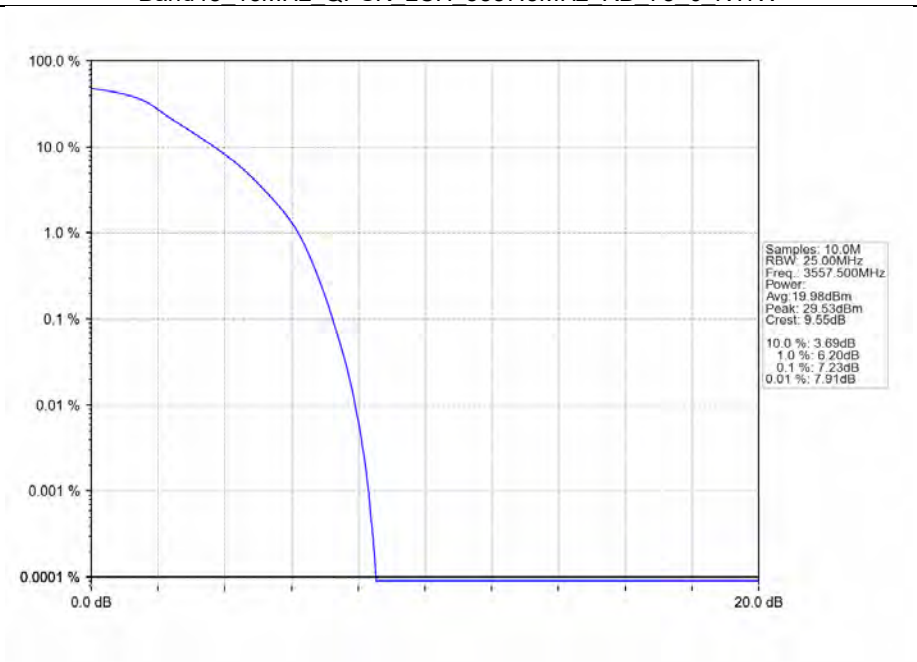
Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV

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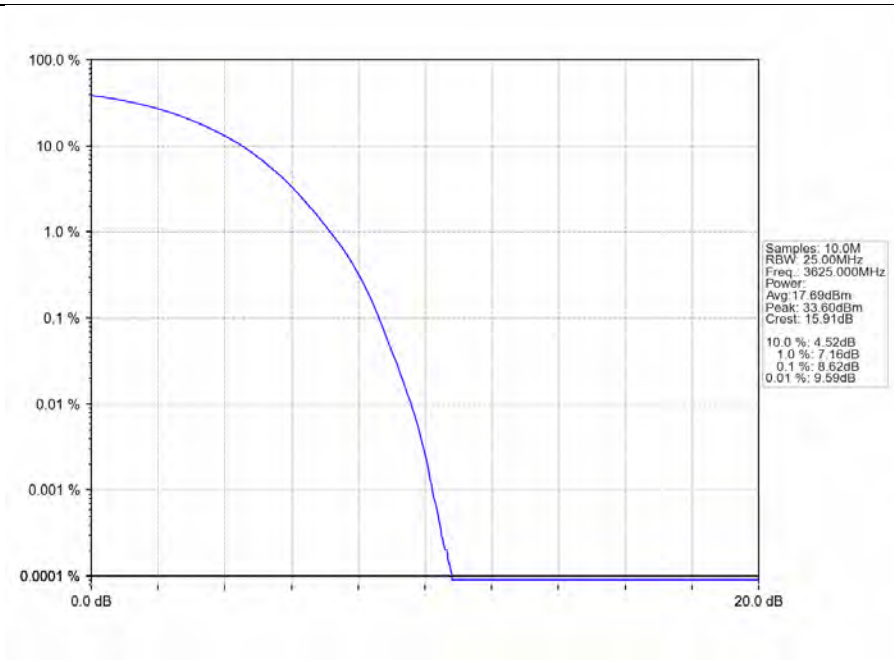

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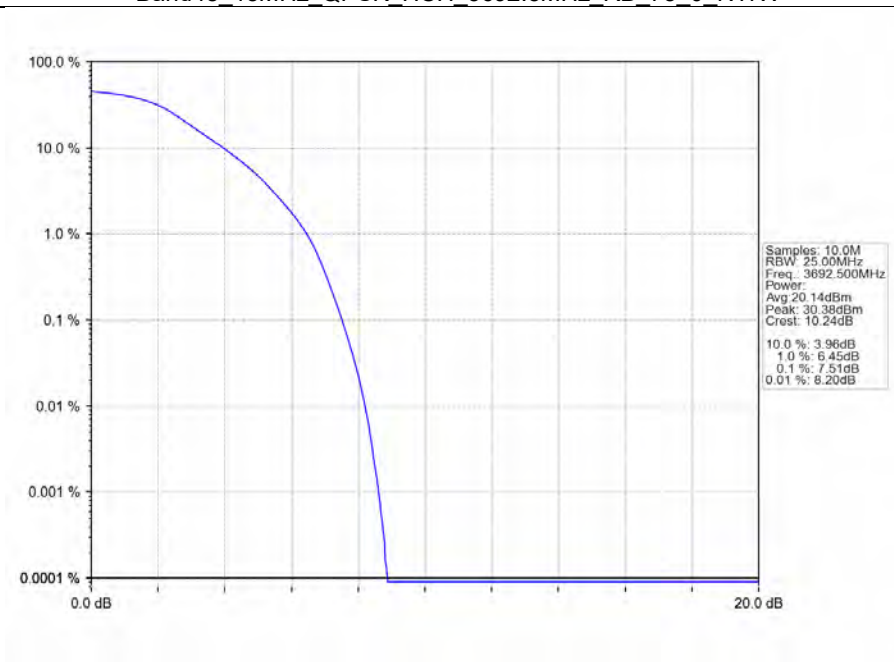

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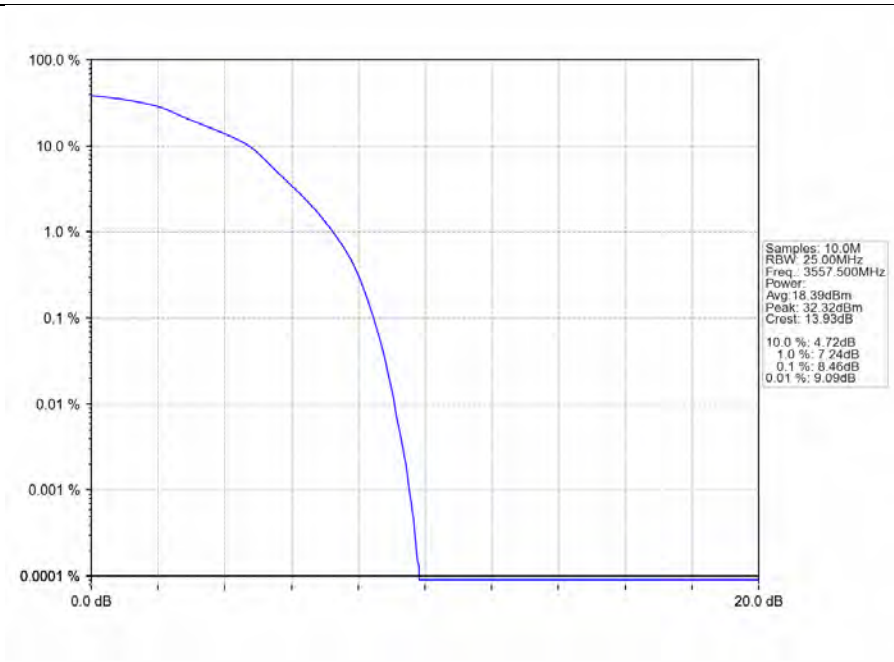

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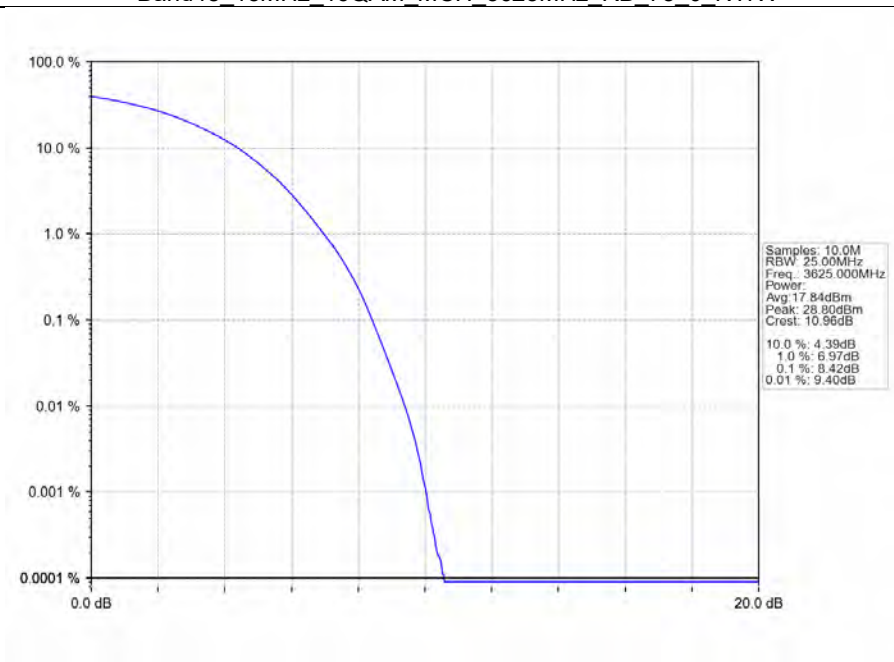

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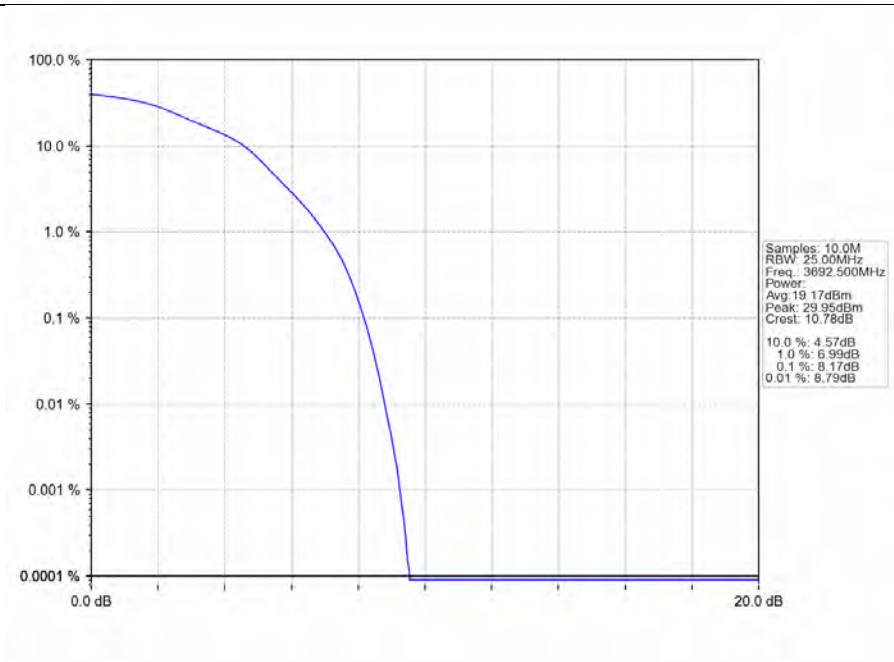

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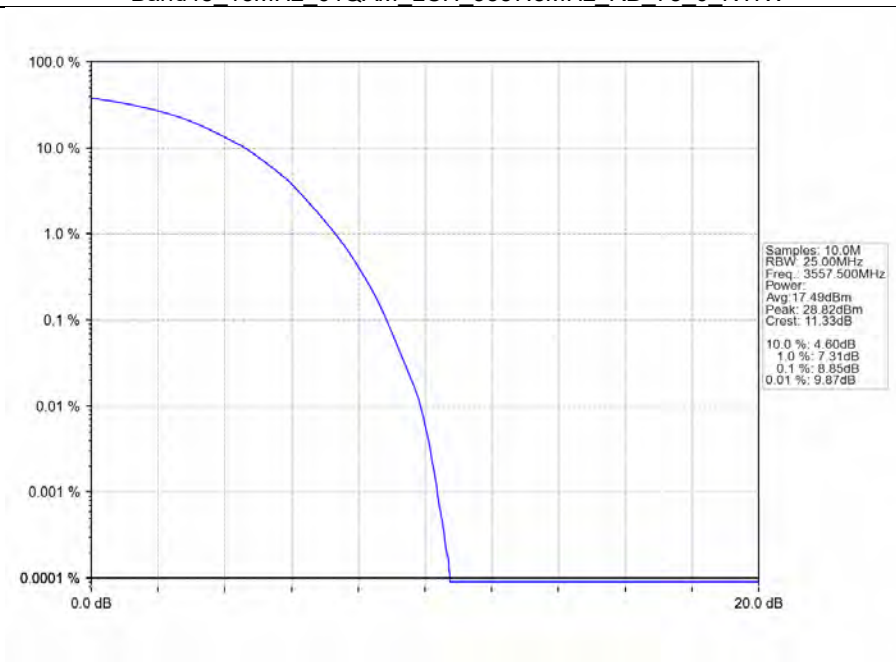

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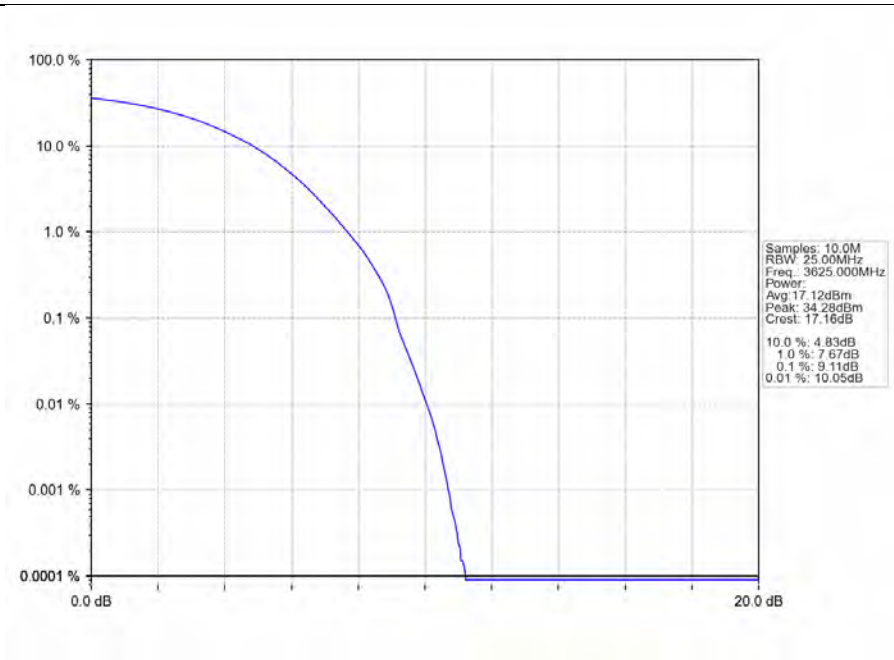

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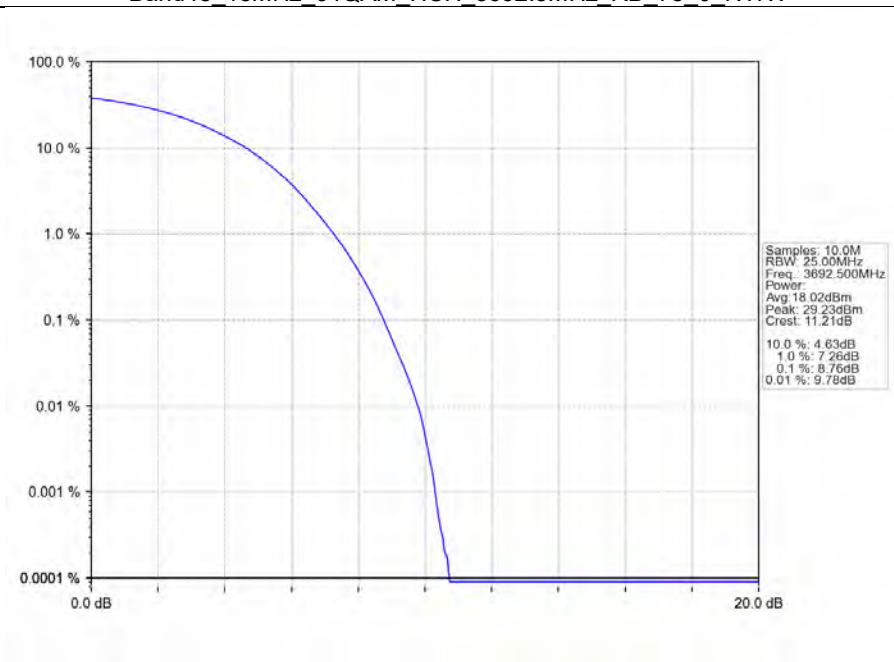
Band48_15MHz_64QAM_HCH_3692.5MHz_RB_75_0_NTNV



Band48_15MHz_256QAM_LCH_3557.5MHz_RB_75_0_NTNV

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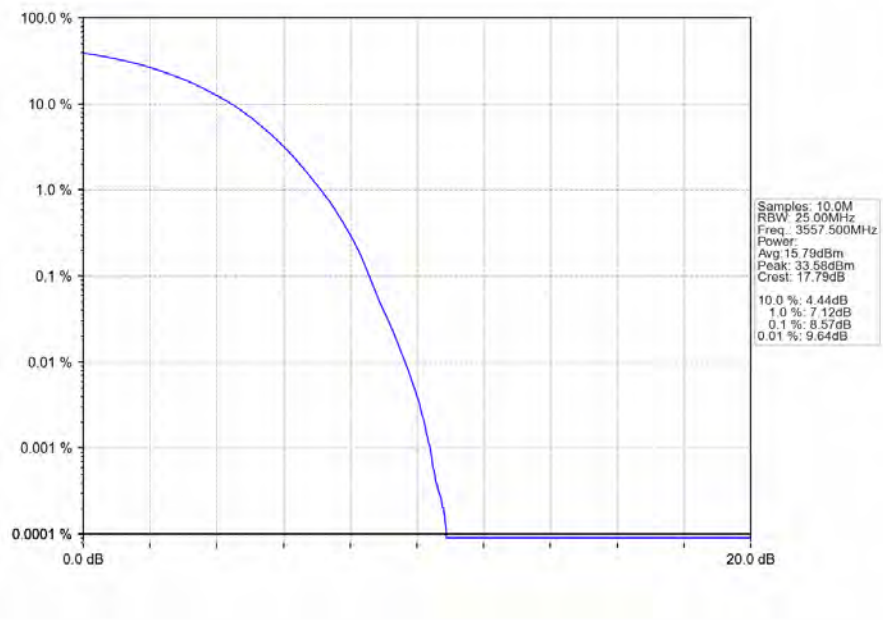

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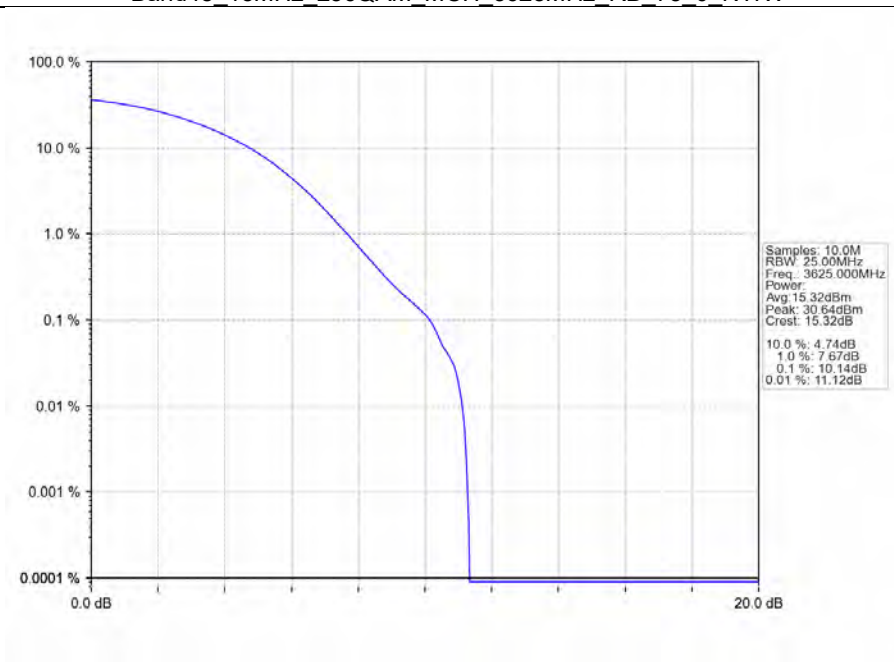
Band48_15MHz_256QAM_MCH_3625MHz_RB_75_0_NTNV



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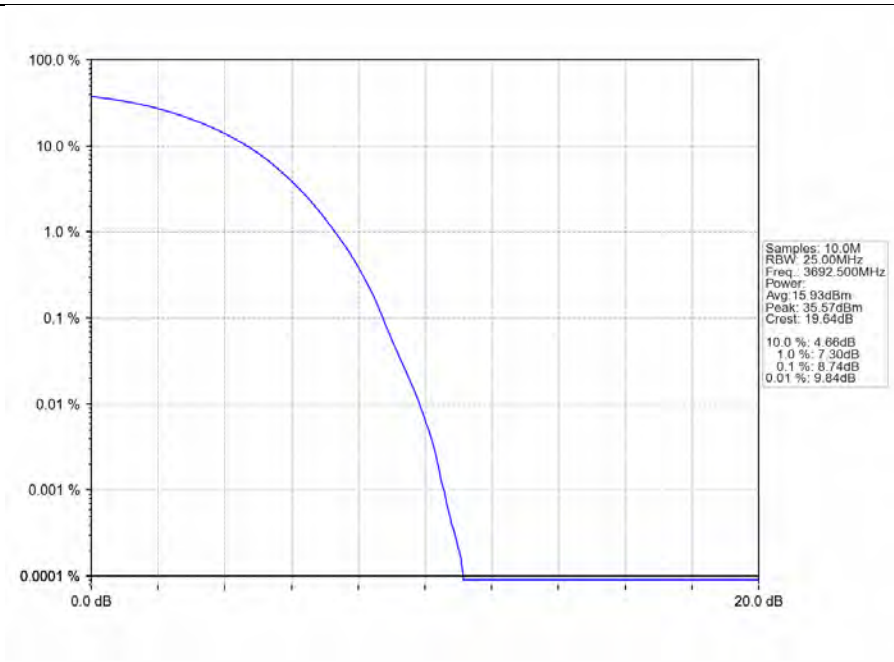

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4.4 B48_20MHz

4.4.1 Test Result

Band: 48 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	100	0	7.62	<=13	Pass
	3625	100	0	8.53	<=13	Pass
	3690	100	0	6.98	<=13	Pass
16QAM	3560	100	0	7.92	<=13	Pass
	3625	100	0	8.91	<=13	Pass
	3690	100	0	8.48	<=13	Pass
64QAM	3560	100	0	8.54	<=13	Pass
	3625	100	0	8.55	<=13	Pass
	3690	100	0	8.71	<=13	Pass
256QAM	3560	100	0	8.79	<=13	Pass
	3625	100	0	8.28	<=13	Pass
	3690	100	0	8.73	<=13	Pass

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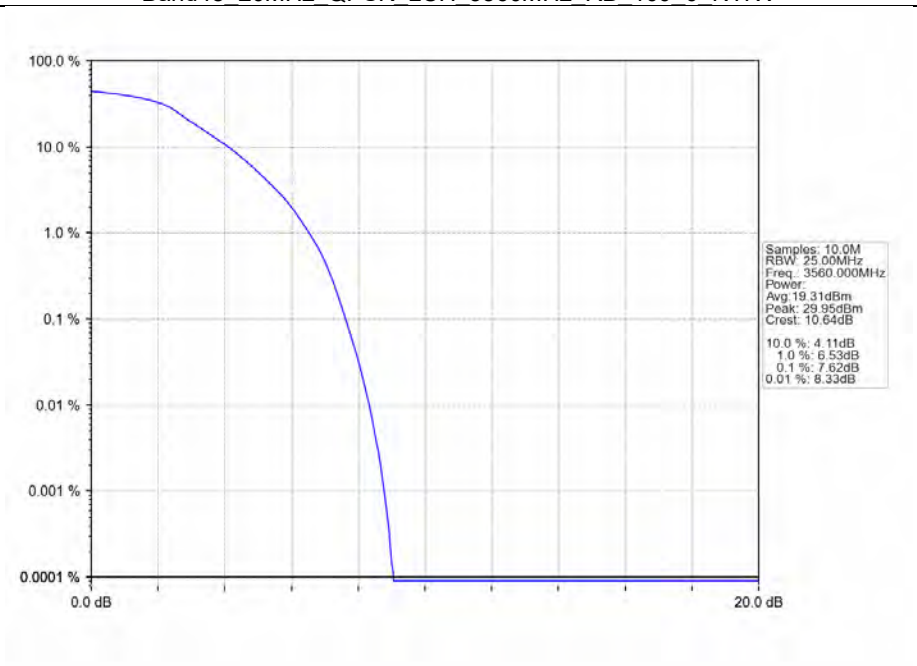
4.4.2 Test Graph

Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV



Band48_20MHz_QPSK_MCH_3625MHz_RB_100_0_NTNV

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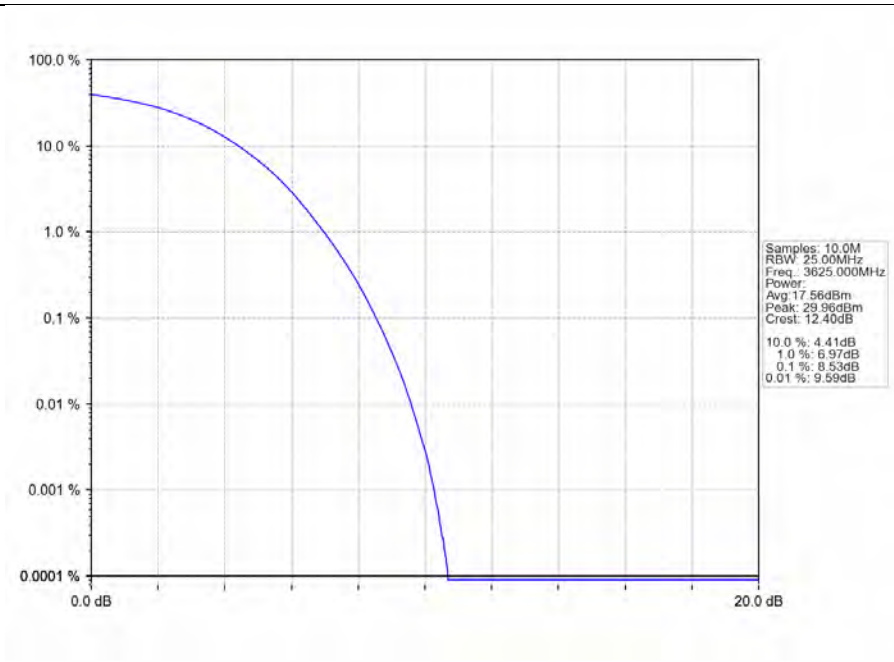

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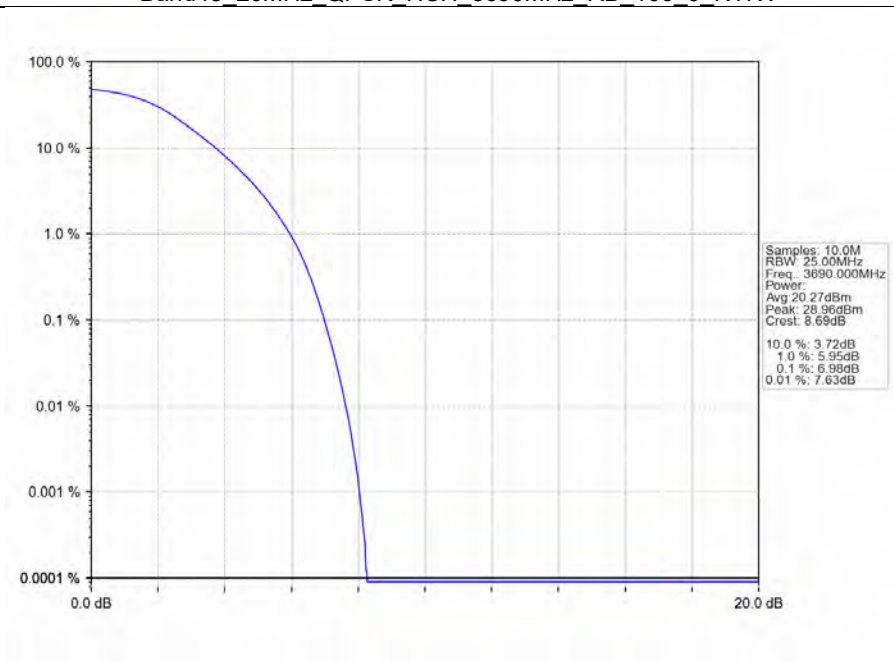

Band48_20MHz_16QAM_LCH_3560MHz_RB_100_0_NTNV

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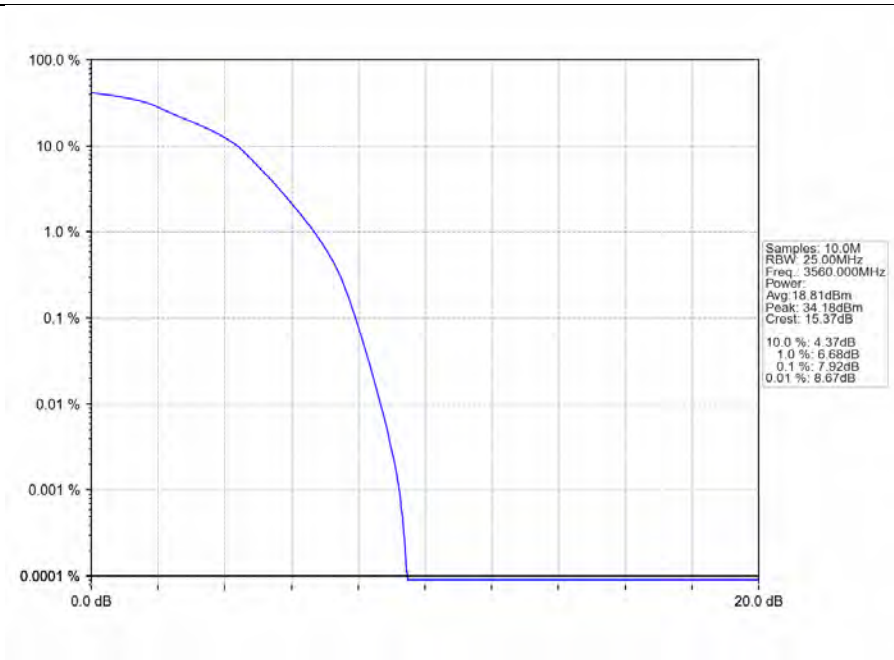

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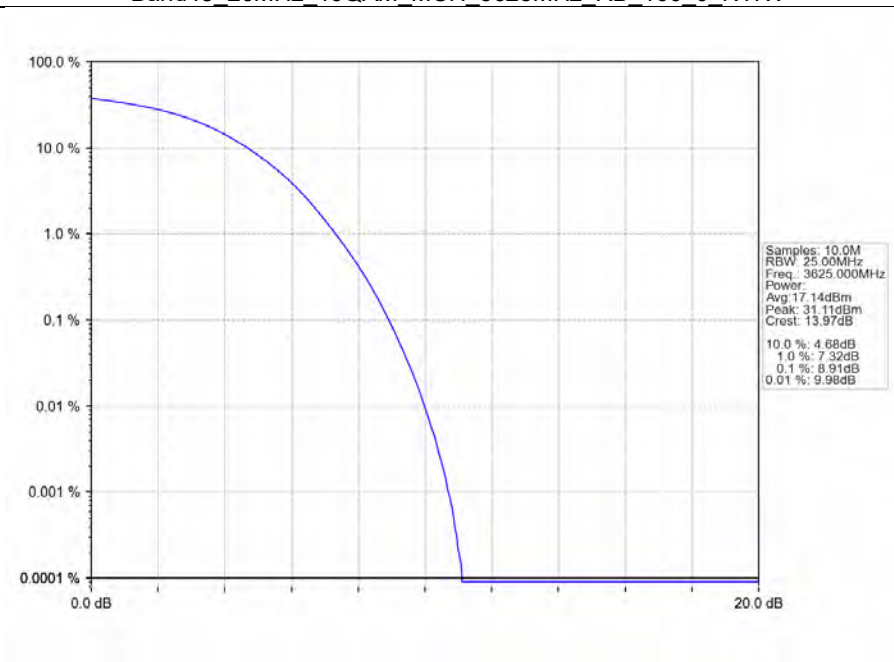

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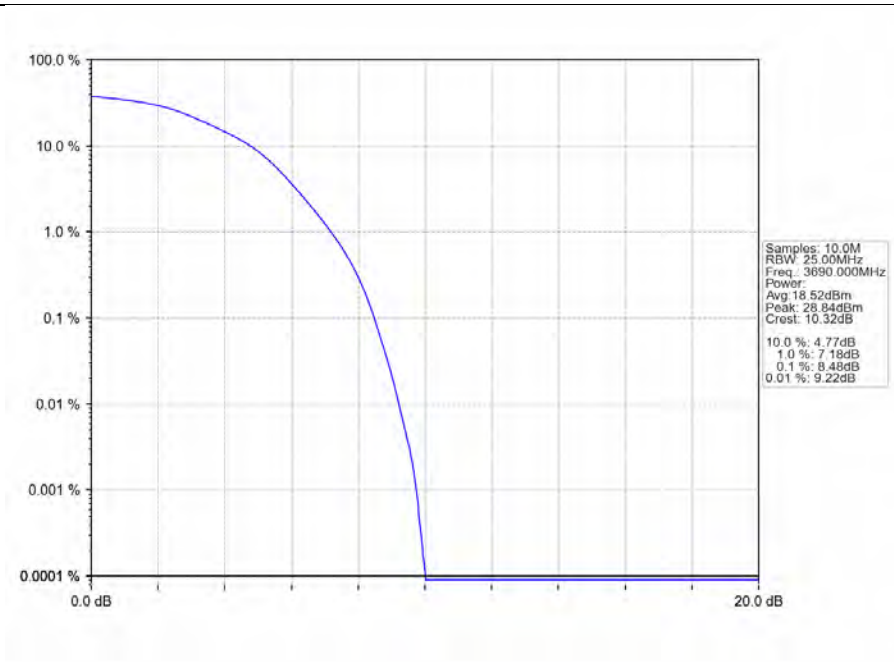

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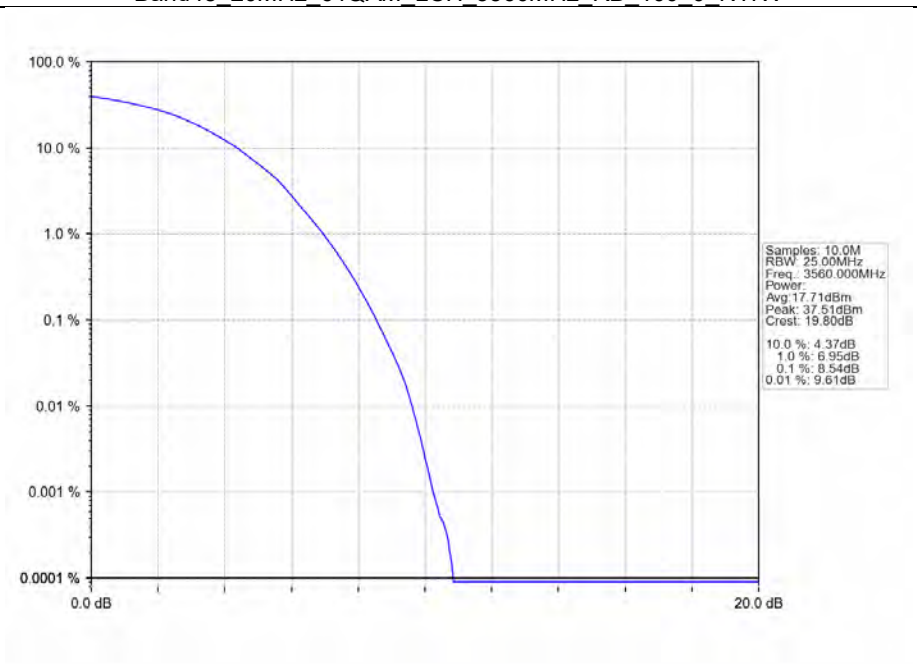

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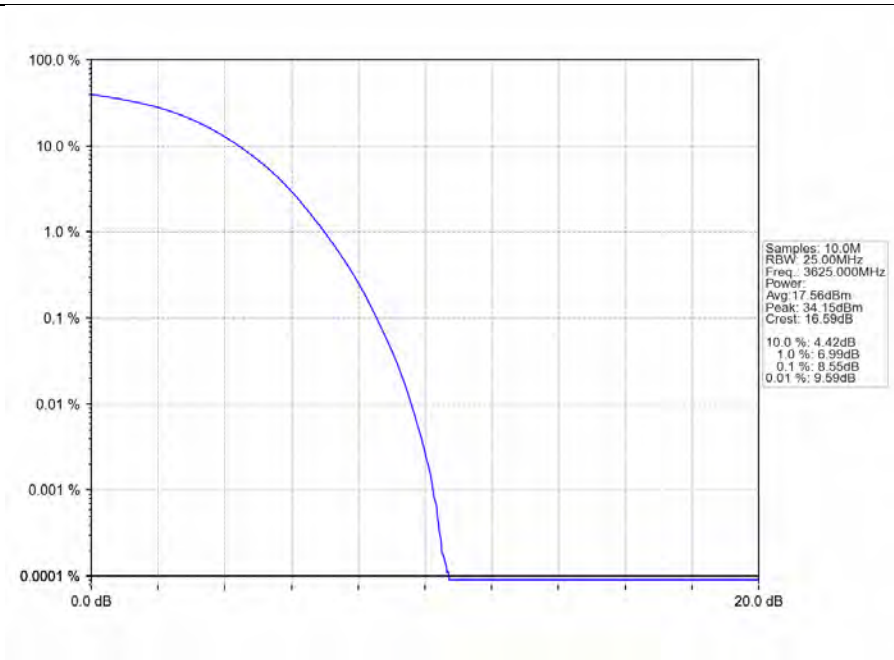

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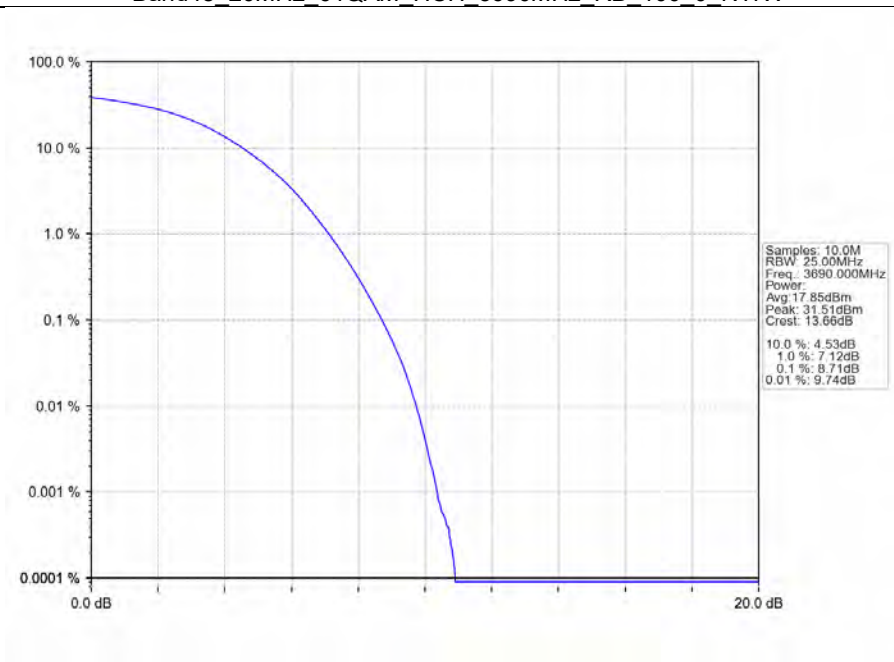
Band48_20MHz_64QAM_HCH_3690MHz_RB_100_0_NTNV



Band48_20MHz_256QAM_LCH_3560MHz_RB_100_0_NTNV

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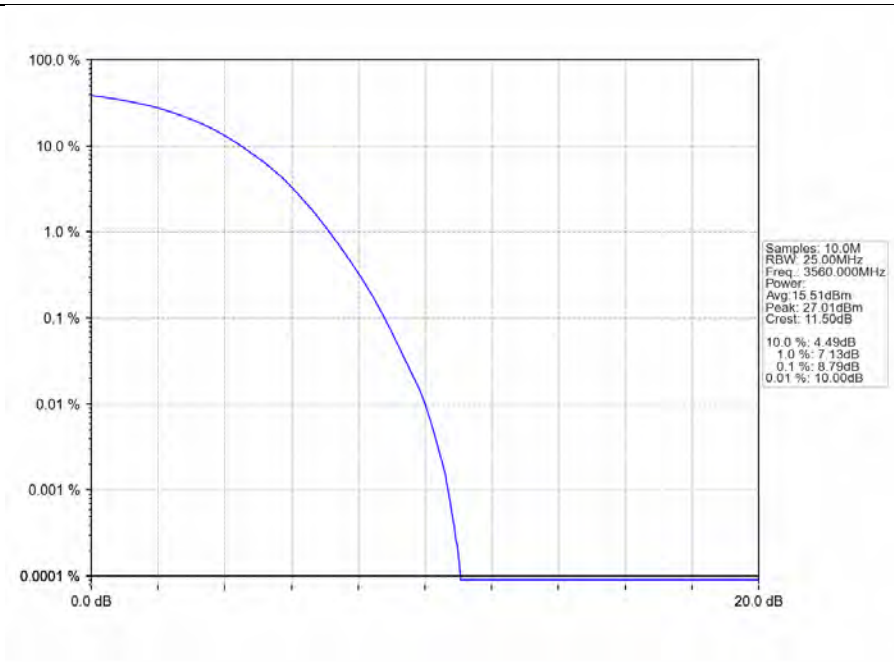

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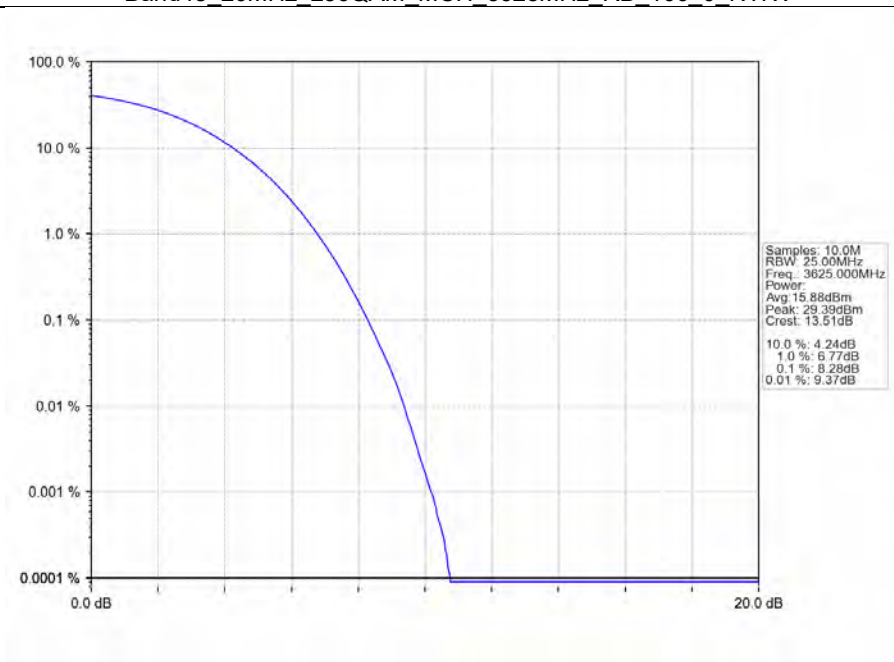
Band48_20MHz_256QAM_MCH_3625MHz_RB_100_0_NTNV



Band48_20MHz_256QAM_HCH_3690MHz_RB_100_0_NTNV

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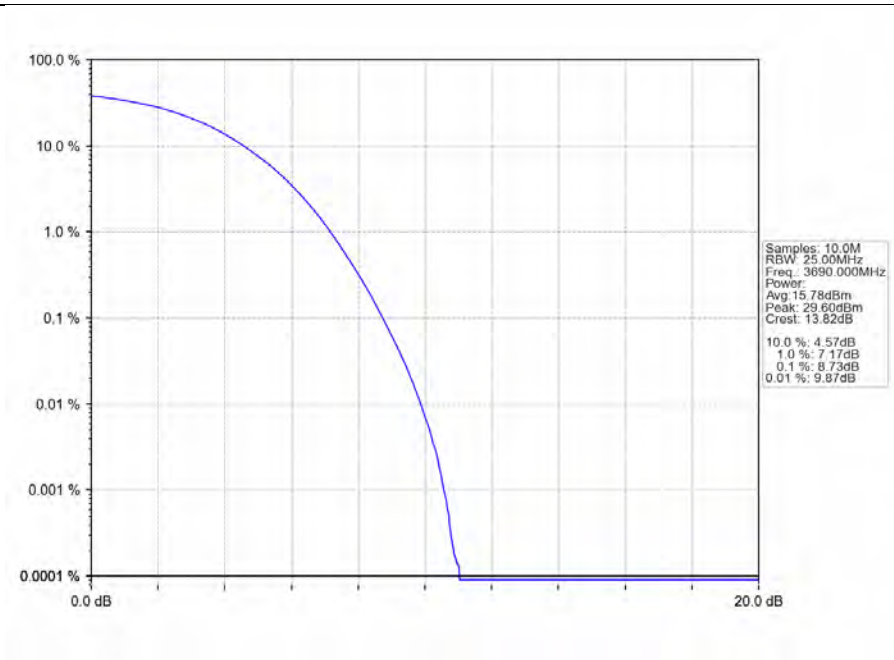

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5. Spurious Emission & Band Edges

5.1 B48_5MHz

5.1.1 Test Result

Band: 48 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	1	0	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
16QAM	3552.5	1	0	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
64QAM	3552.5	1	0	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
256QAM	3552.5	1	0	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

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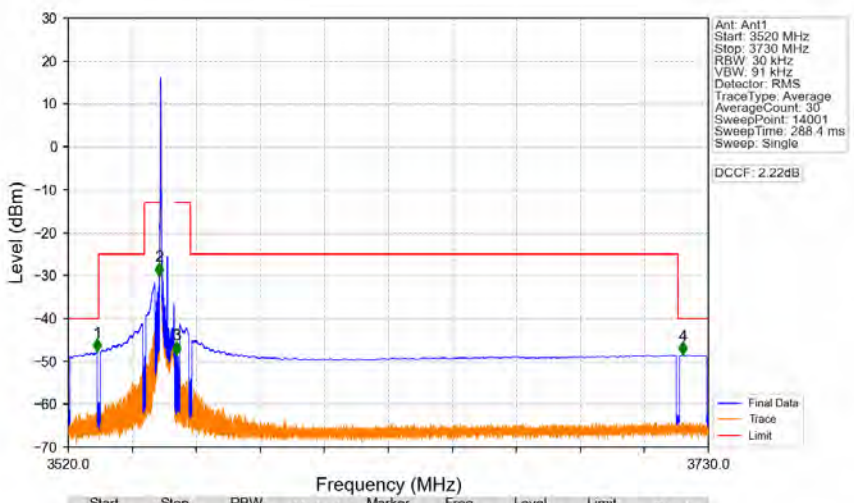
5.1.2 Test Graph

Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.945	1	CHP	1	3529.495	-47.82	-40	Pass
3548.945	3549.945	0.03	/	2	3549.880	-30.08	-13	Pass
3549.945	3555.056	0.03	/	/	/	/	/	/
3555.056	3556.056	0.03	/	3	3555.460	-48.43	-13	Pass
3556.056	3730	1	CHP	4	3721.585	-48.52	-40	Pass

Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV

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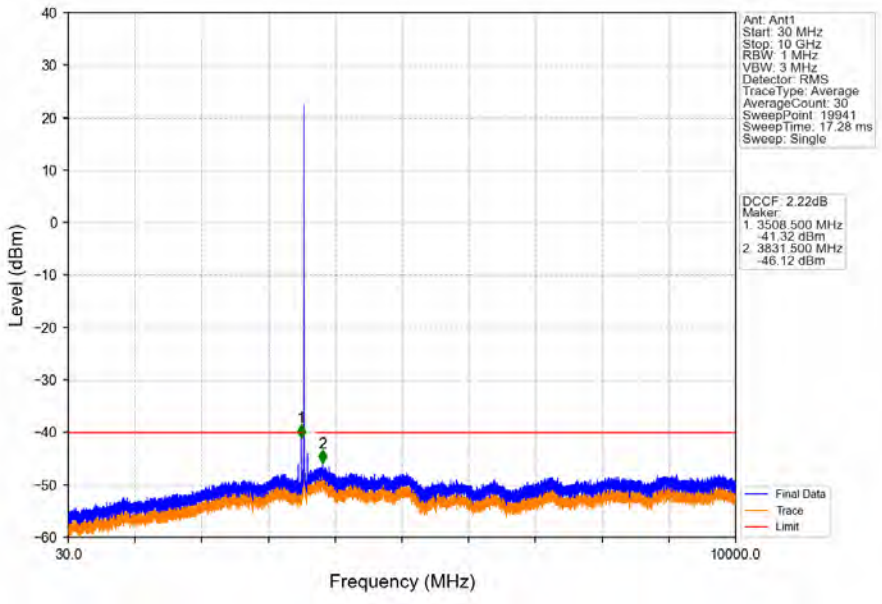

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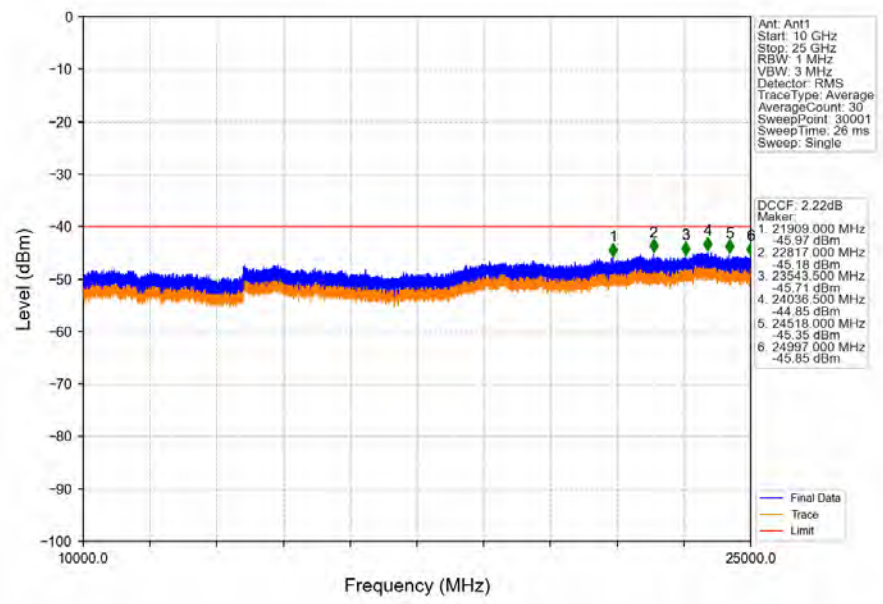

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