



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

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Appendix B.17

LTE Band 48



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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



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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	20.08	-0.13	19.95	<=23	Pass
			13	20.21	-0.13	20.08	<=23	Pass
			24	20.19	-0.13	20.06	<=23	Pass
		12	0	19.34	-0.13	19.21	<=23	Pass
			6	21.63	-0.13	21.50	<=23	Pass
			13	21.62	-0.13	21.49	<=23	Pass
		25	0	19.34	-0.13	19.21	<=23	Pass
	3625	1	0	20.59	-0.13	20.46	<=23	Pass
			13	20.61	-0.13	20.48	<=23	Pass
			24	20.62	-0.13	20.49	<=23	Pass
		12	0	21.63	-0.13	21.50	<=23	Pass
			6	21.68	-0.13	21.55	<=23	Pass
			13	21.65	-0.13	21.52	<=23	Pass
		25	0	21.49	-0.13	21.36	<=23	Pass
	3697.5	1	0	20.66	-0.13	20.53	<=23	Pass
			13	20.71	-0.13	20.58	<=23	Pass
			24	20.67	-0.13	20.54	<=23	Pass
		12	0	19.78	-0.13	19.65	<=23	Pass
			6	19.77	-0.13	19.64	<=23	Pass
			13	19.75	-0.13	19.62	<=23	Pass
		25	0	19.74	-0.13	19.61	<=23	Pass
16QAM	3552.5	1	0	21.68	-0.13	21.55	<=23	Pass
			13	21.73	-0.13	21.60	<=23	Pass
			24	19.25	-0.13	19.12	<=23	Pass
		12	0	20.73	-0.13	20.60	<=23	Pass
			6	20.64	-0.13	20.51	<=23	Pass
			13	20.69	-0.13	20.56	<=23	Pass
		25	0	20.70	-0.13	20.57	<=23	Pass
	3625	1	0	21.58	-0.13	21.45	<=23	Pass
			13	21.61	-0.13	21.48	<=23	Pass
			24	21.58	-0.13	21.45	<=23	Pass
		12	0	20.65	-0.13	20.52	<=23	Pass
			6	20.61	-0.13	20.48	<=23	Pass
			13	20.66	-0.13	20.53	<=23	Pass
		25	0	20.64	-0.13	20.51	<=23	Pass
	3697.5	1	0	21.57	-0.13	21.44	<=23	Pass
			13	21.73	-0.13	21.60	<=23	Pass



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64QAM		12	24	21.87	-0.13	21.74	<=23	Pass
			0	20.71	-0.13	20.58	<=23	Pass
			6	20.78	-0.13	20.65	<=23	Pass
			13	20.75	-0.13	20.62	<=23	Pass
		25	0	20.73	-0.13	20.60	<=23	Pass
	3552.5	1	0	20.74	-0.13	20.61	<=23	Pass
			13	20.80	-0.13	20.67	<=23	Pass
			24	20.73	-0.13	20.60	<=23	Pass
		12	0	19.75	-0.13	19.62	<=23	Pass
			6	19.77	-0.13	19.64	<=23	Pass
			13	19.77	-0.13	19.64	<=23	Pass
		25	0	19.76	-0.13	19.63	<=23	Pass
	3625	1	0	20.69	-0.13	20.56	<=23	Pass
			13	20.54	-0.13	20.41	<=23	Pass
			24	20.56	-0.13	20.43	<=23	Pass
		12	0	19.71	-0.13	19.58	<=23	Pass
			6	19.68	-0.13	19.55	<=23	Pass
			13	19.66	-0.13	19.53	<=23	Pass
		25	0	19.71	-0.13	19.58	<=23	Pass
	3697.5	1	0	20.62	-0.13	20.49	<=23	Pass
			13	20.65	-0.13	20.52	<=23	Pass
			24	20.61	-0.13	20.48	<=23	Pass
		12	0	19.80	-0.13	19.67	<=23	Pass
			6	19.81	-0.13	19.68	<=23	Pass
			13	19.82	-0.13	19.69	<=23	Pass
		25	0	19.79	-0.13	19.66	<=23	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	21.69	-0.13	21.56	<=23	Pass
			13	21.83	-0.13	21.70	<=23	Pass
			24	21.58	-0.13	21.45	<=23	Pass
		12	0	20.66	-0.13	20.53	<=23	Pass
			6	22.72	-0.13	22.59	<=23	Pass
			13	23.03	-0.13	22.90	<=23	Pass
		25	0	21.10	-0.13	20.97	<=23	Pass
	3625	1	0	22.07	-0.13	21.94	<=23	Pass
			13	21.88	-0.13	21.75	<=23	Pass
			24	22.03	-0.13	21.90	<=23	Pass
		12	0	22.98	-0.13	22.85	<=23	Pass
			6	23.11	-0.13	22.98	<=23	Pass
			13	23.13	-0.13	23.00	<=23	Pass
		25	0	23.00	-0.13	22.87	<=23	Pass
	3697.5	1	0	22.07	-0.13	21.94	<=23	Pass
			13	22.00	-0.13	21.87	<=23	Pass
			24	22.20	-0.13	22.07	<=23	Pass
		12	0	21.15	-0.13	21.02	<=23	Pass
			6	21.24	-0.13	21.11	<=23	Pass
			13	21.12	-0.13	20.99	<=23	Pass
		25	0	21.13	-0.13	21.00	<=23	Pass
16QAM	3552.5	1	0	23.10	-0.13	22.97	<=23	Pass
			13	22.99	-0.13	22.86	<=23	Pass
			24	20.82	-0.13	20.69	<=23	Pass
		12	0	22.60	-0.13	22.47	<=23	Pass
			6	22.14	-0.13	22.01	<=23	Pass
			13	22.28	-0.13	22.15	<=23	Pass
		25	0	22.19	-0.13	22.06	<=23	Pass
	3625	1	0	23.09	-0.13	22.96	<=23	Pass
			13	22.83	-0.13	22.70	<=23	Pass
			24	22.72	-0.13	22.59	<=23	Pass
		12	0	22.25	-0.13	22.12	<=23	Pass
			6	22.15	-0.13	22.02	<=23	Pass
			13	22.08	-0.13	21.95	<=23	Pass
		25	0	22.14	-0.13	22.01	<=23	Pass
	3697.5	1	0	22.95	-0.13	22.82	<=23	Pass
			13	23.12	-0.13	22.99	<=23	Pass
			24	23.00	-0.13	22.87	<=23	Pass
		12	0	22.26	-0.13	22.13	<=23	Pass
			6	22.32	-0.13	22.19	<=23	Pass



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64QAM	3552.5		13	22.29	-0.13	22.16	<=23	Pass
		25	0	22.22	-0.13	22.09	<=23	Pass
		1	0	21.73	-0.13	21.60	<=23	Pass
			13	21.98	-0.13	21.85	<=23	Pass
			24	22.03	-0.13	21.90	<=23	Pass
		12	0	21.60	-0.13	21.47	<=23	Pass
			6	21.33	-0.13	21.20	<=23	Pass
			13	21.32	-0.13	21.19	<=23	Pass
		25	0	21.35	-0.13	21.22	<=23	Pass
	3625	1	0	22.18	-0.13	22.05	<=23	Pass
			13	22.52	-0.13	22.39	<=23	Pass
			24	22.22	-0.13	22.09	<=23	Pass
		12	0	21.02	-0.13	20.89	<=23	Pass
			6	21.13	-0.13	21.00	<=23	Pass
			13	21.11	-0.13	20.98	<=23	Pass
		25	0	21.17	-0.13	21.04	<=23	Pass
	3697.5	1	0	22.47	-0.13	22.34	<=23	Pass
			13	22.01	-0.13	21.88	<=23	Pass
			24	22.40	-0.13	22.27	<=23	Pass
		12	0	21.29	-0.13	21.16	<=23	Pass
			6	21.26	-0.13	21.13	<=23	Pass
			13	21.21	-0.13	21.08	<=23	Pass
		25	0	21.28	-0.13	21.15	<=23	Pass

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



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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	20.18	-0.13	20.05	<=23	Pass
			25	20.23	-0.13	20.10	<=23	Pass
			49	20.28	-0.13	20.15	<=23	Pass
		25	0	21.70	-0.13	21.57	<=23	Pass
			13	21.74	-0.13	21.61	<=23	Pass
			25	21.72	-0.13	21.59	<=23	Pass
		50	0	21.81	-0.13	21.68	<=23	Pass
	3625	1	0	20.53	-0.13	20.40	<=23	Pass
			25	20.59	-0.13	20.46	<=23	Pass
			49	20.64	-0.13	20.51	<=23	Pass
		25	0	21.65	-0.13	21.52	<=23	Pass
			13	21.66	-0.13	21.53	<=23	Pass
			25	21.69	-0.13	21.56	<=23	Pass
		50	0	21.76	-0.13	21.63	<=23	Pass
	3695	1	0	20.67	-0.13	20.54	<=23	Pass
			25	20.72	-0.13	20.59	<=23	Pass
			49	20.74	-0.13	20.61	<=23	Pass
		25	0	21.69	-0.13	21.56	<=23	Pass
			13	21.76	-0.13	21.63	<=23	Pass
			25	21.75	-0.13	21.62	<=23	Pass
		50	0	21.87	-0.13	21.74	<=23	Pass
16QAM	3555	1	0	21.65	-0.13	21.52	<=23	Pass
			25	21.66	-0.13	21.53	<=23	Pass
			49	21.63	-0.13	21.50	<=23	Pass
		25	0	20.68	-0.13	20.55	<=23	Pass
			13	20.67	-0.13	20.54	<=23	Pass
			25	20.71	-0.13	20.58	<=23	Pass
		50	0	20.85	-0.13	20.72	<=23	Pass
	3625	1	0	21.65	-0.13	21.52	<=23	Pass
			25	21.70	-0.13	21.57	<=23	Pass
			49	21.68	-0.13	21.55	<=23	Pass
		25	0	20.66	-0.13	20.53	<=23	Pass
			13	20.67	-0.13	20.54	<=23	Pass
			25	20.65	-0.13	20.52	<=23	Pass
		50	0	20.80	-0.13	20.67	<=23	Pass
	3695	1	0	21.54	-0.13	21.41	<=23	Pass
			25	21.59	-0.13	21.46	<=23	Pass
			49	21.58	-0.13	21.45	<=23	Pass
		25	0	20.71	-0.13	20.58	<=23	Pass
			13	20.72	-0.13	20.59	<=23	Pass



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64QAM			25	20.74	-0.13	20.61	<=23	Pass
		50	0	20.89	-0.13	20.76	<=23	Pass
	3555	1	0	20.84	-0.13	20.71	<=23	Pass
			25	20.85	-0.13	20.72	<=23	Pass
			49	20.66	-0.13	20.53	<=23	Pass
		25	0	19.77	-0.13	19.64	<=23	Pass
			13	19.87	-0.13	19.74	<=23	Pass
			25	19.85	-0.13	19.72	<=23	Pass
		50	0	19.95	-0.13	19.82	<=23	Pass
	3625	1	0	20.61	-0.13	20.48	<=23	Pass
			25	20.47	-0.13	20.34	<=23	Pass
			49	20.65	-0.13	20.52	<=23	Pass
		25	0	19.71	-0.13	19.58	<=23	Pass
			13	19.75	-0.13	19.62	<=23	Pass
			25	19.69	-0.13	19.56	<=23	Pass
		50	0	19.85	-0.13	19.72	<=23	Pass
	3695	1	0	20.68	-0.13	20.55	<=23	Pass
			25	20.75	-0.13	20.62	<=23	Pass
			49	20.74	-0.13	20.61	<=23	Pass
		25	0	19.78	-0.13	19.65	<=23	Pass
			13	19.81	-0.13	19.68	<=23	Pass
			25	19.82	-0.13	19.69	<=23	Pass
		50	0	19.98	-0.13	19.85	<=23	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	21.21	-0.13	21.08	<=23	Pass
			25	21.37	-0.13	21.24	<=23	Pass
			49	21.31	-0.13	21.18	<=23	Pass
		25	0	22.95	-0.13	22.82	<=23	Pass
			13	22.93	-0.13	22.80	<=23	Pass
			25	22.94	-0.13	22.81	<=23	Pass
		50	0	23.07	-0.13	22.94	<=23	Pass
			0	21.52	-0.13	21.39	<=23	Pass
			25	21.64	-0.13	21.51	<=23	Pass
	3625	1	49	21.44	-0.13	21.31	<=23	Pass
			0	22.71	-0.13	22.58	<=23	Pass
			13	22.82	-0.13	22.69	<=23	Pass
		25	25	22.76	-0.13	22.63	<=23	Pass
			0	22.89	-0.13	22.76	<=23	Pass
		50	0	21.63	-0.13	21.50	<=23	Pass
			25	21.57	-0.13	21.44	<=23	Pass
			49	21.56	-0.13	21.43	<=23	Pass
	3695	1	0	22.91	-0.13	22.78	<=23	Pass
			13	22.81	-0.13	22.68	<=23	Pass
			25	22.76	-0.13	22.63	<=23	Pass
		25	0	22.94	-0.13	22.81	<=23	Pass
			0	22.85	-0.13	22.72	<=23	Pass
			25	22.99	-0.13	22.86	<=23	Pass
		50	49	22.98	-0.13	22.85	<=23	Pass
			0	21.97	-0.13	21.84	<=23	Pass
			13	21.91	-0.13	21.78	<=23	Pass
16QAM	3555	1	25	21.90	-0.13	21.77	<=23	Pass
			0	22.04	-0.13	21.91	<=23	Pass
			49	22.88	-0.13	22.75	<=23	Pass
		25	0	22.69	-0.13	22.56	<=23	Pass
			25	22.77	-0.13	22.64	<=23	Pass
			0	21.73	-0.13	21.60	<=23	Pass
		50	13	21.81	-0.13	21.68	<=23	Pass
			25	21.68	-0.13	21.55	<=23	Pass
			0	21.90	-0.13	21.77	<=23	Pass
	3625	1	0	22.76	-0.13	22.63	<=23	Pass
			25	22.79	-0.13	22.66	<=23	Pass
			49	22.92	-0.13	22.79	<=23	Pass
		25	0	21.89	-0.13	21.76	<=23	Pass
			13	21.85	-0.13	21.72	<=23	Pass
		50	0	22.85	-0.13	22.72	<=23	Pass
			25	22.99	-0.13	22.86	<=23	Pass
			49	22.98	-0.13	22.85	<=23	Pass
	3695	1	0	21.97	-0.13	21.84	<=23	Pass
			13	21.91	-0.13	21.78	<=23	Pass
			25	21.90	-0.13	21.77	<=23	Pass
		25	0	22.04	-0.13	21.91	<=23	Pass
			49	22.88	-0.13	22.75	<=23	Pass
			0	22.69	-0.13	22.56	<=23	Pass
		50	25	22.77	-0.13	22.64	<=23	Pass
			0	21.73	-0.13	21.60	<=23	Pass
			13	21.81	-0.13	21.68	<=23	Pass



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			25	21.79	-0.13	21.66	<=23	Pass		
		50	0	22.01	-0.13	21.88	<=23	Pass		
64QAM	3555	1	0	22.17	-0.13	22.04	<=23	Pass		
			25	22.23	-0.13	22.10	<=23	Pass		
			49	22.08	-0.13	21.95	<=23	Pass		
		25	0	20.89	-0.13	20.76	<=23	Pass		
			13	20.98	-0.13	20.85	<=23	Pass		
			25	20.96	-0.13	20.83	<=23	Pass		
		50	0	21.13	-0.13	21.00	<=23	Pass		
		3625	1	0	21.75	-0.13	21.62	<=23	Pass	
				25	21.73	-0.13	21.60	<=23	Pass	
	49			21.56	-0.13	21.43	<=23	Pass		
	25		0	20.81	-0.13	20.68	<=23	Pass		
			13	20.75	-0.13	20.62	<=23	Pass		
			25	20.70	-0.13	20.57	<=23	Pass		
	50		0	20.88	-0.13	20.75	<=23	Pass		
	3695		1	0	21.67	-0.13	21.54	<=23	Pass	
				25	21.64	-0.13	21.51	<=23	Pass	
		49		21.99	-0.13	21.86	<=23	Pass		
		25	0	20.92	-0.13	20.79	<=23	Pass		
			13	20.92	-0.13	20.79	<=23	Pass		
			25	20.82	-0.13	20.69	<=23	Pass		
		50	0	21.04	-0.13	20.91	<=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	20.16	-0.13	20.03	<=23	Pass
			38	20.24	-0.13	20.11	<=23	Pass
			74	20.24	-0.13	20.11	<=23	Pass
		36	0	21.67	-0.13	21.54	<=23	Pass
			18	21.67	-0.13	21.54	<=23	Pass
			39	21.60	-0.13	21.47	<=23	Pass
		75	0	21.73	-0.13	21.60	<=23	Pass
	3625	1	0	20.45	-0.13	20.32	<=23	Pass
			38	20.59	-0.13	20.46	<=23	Pass
			74	20.65	-0.13	20.52	<=23	Pass
		36	0	21.62	-0.13	21.49	<=23	Pass
			18	21.62	-0.13	21.49	<=23	Pass
			39	21.58	-0.13	21.45	<=23	Pass
		75	0	21.72	-0.13	21.59	<=23	Pass
	3692.5	1	0	20.57	-0.13	20.44	<=23	Pass
			38	20.65	-0.13	20.52	<=23	Pass
			74	20.61	-0.13	20.48	<=23	Pass
		36	0	21.56	-0.13	21.43	<=23	Pass
			18	21.68	-0.13	21.55	<=23	Pass
			39	21.67	-0.13	21.54	<=23	Pass
		75	0	21.69	-0.13	21.56	<=23	Pass
16QAM	3557.5	1	0	21.48	-0.13	21.35	<=23	Pass
			38	21.59	-0.13	21.46	<=23	Pass
			74	21.70	-0.13	21.57	<=23	Pass
		36	0	20.65	-0.13	20.52	<=23	Pass
			18	20.66	-0.13	20.53	<=23	Pass
			39	20.63	-0.13	20.50	<=23	Pass
		75	0	20.79	-0.13	20.66	<=23	Pass
	3625	1	0	21.51	-0.13	21.38	<=23	Pass
			38	21.59	-0.13	21.46	<=23	Pass
			74	21.50	-0.13	21.37	<=23	Pass
		36	0	20.58	-0.13	20.45	<=23	Pass
			18	20.54	-0.13	20.41	<=23	Pass
			39	20.54	-0.13	20.41	<=23	Pass
		75	0	20.70	-0.13	20.57	<=23	Pass
	3692.5	1	0	21.42	-0.13	21.29	<=23	Pass
			38	21.59	-0.13	21.46	<=23	Pass
			74	21.65	-0.13	21.52	<=23	Pass
		36	0	20.57	-0.13	20.44	<=23	Pass
			18	20.64	-0.13	20.51	<=23	Pass



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64QAM			39	20.67	-0.13	20.54	<=23	Pass
		75	0	20.65	-0.13	20.52	<=23	Pass
	3557.5	1	0	20.62	-0.13	20.49	<=23	Pass
			38	20.81	-0.13	20.68	<=23	Pass
			74	20.70	-0.13	20.57	<=23	Pass
		36	0	19.72	-0.13	19.59	<=23	Pass
			18	19.74	-0.13	19.61	<=23	Pass
			39	19.72	-0.13	19.59	<=23	Pass
		75	0	19.91	-0.13	19.78	<=23	Pass
	3625	1	0	20.73	-0.13	20.60	<=23	Pass
			38	20.60	-0.13	20.47	<=23	Pass
			74	20.59	-0.13	20.46	<=23	Pass
		36	0	19.66	-0.13	19.53	<=23	Pass
			18	19.69	-0.13	19.56	<=23	Pass
			39	19.70	-0.13	19.57	<=23	Pass
		75	0	19.82	-0.13	19.69	<=23	Pass
	3692.5	1	0	20.39	-0.13	20.26	<=23	Pass
			38	20.68	-0.13	20.55	<=23	Pass
			74	20.85	-0.13	20.72	<=23	Pass
		36	0	19.70	-0.13	19.57	<=23	Pass
			18	19.73	-0.13	19.60	<=23	Pass
			39	19.80	-0.13	19.67	<=23	Pass
		75	0	19.85	-0.13	19.72	<=23	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	21.42	-0.13	21.29	<=23	Pass
			38	21.06	-0.13	20.93	<=23	Pass
			74	21.14	-0.13	21.01	<=23	Pass
		36	0	22.86	-0.13	22.73	<=23	Pass
			18	22.94	-0.13	22.81	<=23	Pass
			39	22.77	-0.13	22.64	<=23	Pass
		75	0	21.66	-0.13	21.53	<=23	Pass
	3625	1	0	21.64	-0.13	21.51	<=23	Pass
			38	21.48	-0.13	21.35	<=23	Pass
			74	21.54	-0.13	21.41	<=23	Pass
		36	0	22.74	-0.13	22.61	<=23	Pass
			18	22.71	-0.13	22.58	<=23	Pass
			39	22.79	-0.13	22.66	<=23	Pass
		75	0	21.46	-0.13	21.33	<=23	Pass
	3692.5	1	0	21.48	-0.13	21.35	<=23	Pass
			38	21.50	-0.13	21.37	<=23	Pass
			74	21.79	-0.13	21.66	<=23	Pass
		36	0	22.62	-0.13	22.49	<=23	Pass
			18	22.85	-0.13	22.72	<=23	Pass
			39	22.73	-0.13	22.60	<=23	Pass
		75	0	21.42	-0.13	21.29	<=23	Pass
16QAM	3557.5	1	0	22.88	-0.13	22.75	<=23	Pass
			38	22.85	-0.13	22.72	<=23	Pass
			74	22.72	-0.13	22.59	<=23	Pass
		36	0	21.74	-0.13	21.61	<=23	Pass
			18	21.88	-0.13	21.75	<=23	Pass
			39	21.85	-0.13	21.72	<=23	Pass
		75	0	20.65	-0.13	20.52	<=23	Pass
	3625	1	0	22.83	-0.13	22.70	<=23	Pass
			38	22.95	-0.13	22.82	<=23	Pass
			74	22.67	-0.13	22.54	<=23	Pass
		36	0	21.63	-0.13	21.50	<=23	Pass
			18	21.72	-0.13	21.59	<=23	Pass
			39	21.75	-0.13	21.62	<=23	Pass
		75	0	20.48	-0.13	20.35	<=23	Pass
	3692.5	1	0	22.76	-0.13	22.63	<=23	Pass
			38	22.85	-0.13	22.72	<=23	Pass
			74	23.01	-0.13	22.88	<=23	Pass
		36	0	21.60	-0.13	21.47	<=23	Pass
			18	21.81	-0.13	21.68	<=23	Pass



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			39	21.81	-0.13	21.68	<=23	Pass		
		75	0	20.45	-0.13	20.32	<=23	Pass		
64QAM	3557.5	1	0	22.03	-0.13	21.90	<=23	Pass		
			38	21.97	-0.13	21.84	<=23	Pass		
			74	21.88	-0.13	21.75	<=23	Pass		
		36	0	20.94	-0.13	20.81	<=23	Pass		
			18	20.88	-0.13	20.75	<=23	Pass		
			39	20.93	-0.13	20.80	<=23	Pass		
		75	0	19.80	-0.13	19.67	<=23	Pass		
		3625	1	0	21.90	-0.13	21.77	<=23	Pass	
				38	21.63	-0.13	21.50	<=23	Pass	
	74			21.50	-0.13	21.37	<=23	Pass		
	36		0	20.70	-0.13	20.57	<=23	Pass		
			18	20.67	-0.13	20.54	<=23	Pass		
			39	20.66	-0.13	20.53	<=23	Pass		
	75		0	19.51	-0.13	19.38	<=23	Pass		
	3692.5		1	0	21.51	-0.13	21.38	<=23	Pass	
				38	21.82	-0.13	21.69	<=23	Pass	
		74		21.86	-0.13	21.73	<=23	Pass		
		36	0	20.81	-0.13	20.68	<=23	Pass		
			18	20.77	-0.13	20.64	<=23	Pass		
			39	20.83	-0.13	20.70	<=23	Pass		
		75	0	19.61	-0.13	19.48	<=23	Pass		
		Note1: EIRP/10MHz=Conducted Power+Antenna Gai								



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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	20.15	-0.13	20.02	<=23	Pass
			50	20.25	-0.13	20.12	<=23	Pass
			99	20.42	-0.13	20.29	<=23	Pass
		50	0	21.67	-0.13	21.54	<=23	Pass
			25	21.72	-0.13	21.59	<=23	Pass
			50	21.68	-0.13	21.55	<=23	Pass
		100	0	21.89	-0.13	21.76	<=23	Pass
			50	21.89	-0.13	21.76	<=23	Pass
			99	21.89	-0.13	21.76	<=23	Pass
	3625	1	0	20.47	-0.13	20.34	<=23	Pass
			50	20.71	-0.13	20.58	<=23	Pass
			99	20.58	-0.13	20.45	<=23	Pass
		50	0	21.61	-0.13	21.48	<=23	Pass
			25	21.66	-0.13	21.53	<=23	Pass
			50	21.63	-0.13	21.50	<=23	Pass
		100	0	21.80	-0.13	21.67	<=23	Pass
			50	21.80	-0.13	21.67	<=23	Pass
			99	21.80	-0.13	21.67	<=23	Pass
	3690	1	0	20.70	-0.13	20.57	<=23	Pass
			50	20.66	-0.13	20.53	<=23	Pass
			99	20.66	-0.13	20.53	<=23	Pass
		50	0	21.57	-0.13	21.44	<=23	Pass
			25	21.64	-0.13	21.51	<=23	Pass
			50	21.72	-0.13	21.59	<=23	Pass
		100	0	21.76	-0.13	21.63	<=23	Pass
			50	21.76	-0.13	21.63	<=23	Pass
			99	21.76	-0.13	21.63	<=23	Pass
16QAM	3560	1	0	21.65	-0.13	21.52	<=23	Pass
			50	21.68	-0.13	21.55	<=23	Pass
			99	21.50	-0.13	21.37	<=23	Pass
		50	0	20.75	-0.13	20.62	<=23	Pass
			25	20.70	-0.13	20.57	<=23	Pass
			50	20.67	-0.13	20.54	<=23	Pass
		100	0	20.86	-0.13	20.73	<=23	Pass
			50	20.86	-0.13	20.73	<=23	Pass
			99	20.86	-0.13	20.73	<=23	Pass
	3625	1	0	21.63	-0.13	21.50	<=23	Pass
			50	21.61	-0.13	21.48	<=23	Pass
			99	21.61	-0.13	21.48	<=23	Pass
		50	0	20.64	-0.13	20.51	<=23	Pass
			25	20.61	-0.13	20.48	<=23	Pass
			50	20.61	-0.13	20.48	<=23	Pass
		100	0	20.85	-0.13	20.72	<=23	Pass
			50	20.85	-0.13	20.72	<=23	Pass
			99	20.85	-0.13	20.72	<=23	Pass
	3690	1	0	21.62	-0.13	21.49	<=23	Pass
			50	21.82	-0.13	21.69	<=23	Pass
			99	21.70	-0.13	21.57	<=23	Pass
		50	0	20.56	-0.13	20.43	<=23	Pass
			25	20.64	-0.13	20.51	<=23	Pass



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			50	20.78	-0.13	20.65	<=23	Pass	
		100	0	20.78	-0.13	20.65	<=23	Pass	
64QAM	3560	1	0	20.65	-0.13	20.52	<=23	Pass	
			50	20.63	-0.13	20.50	<=23	Pass	
			99	20.48	-0.13	20.35	<=23	Pass	
			0	19.81	-0.13	19.68	<=23	Pass	
		50	25	19.85	-0.13	19.72	<=23	Pass	
			50	19.68	-0.13	19.55	<=23	Pass	
			100	0	19.89	-0.13	19.76	<=23	Pass
		3625	1	0	20.71	-0.13	20.58	<=23	Pass
				50	20.68	-0.13	20.55	<=23	Pass
	99			20.59	-0.13	20.46	<=23	Pass	
	50		0	19.76	-0.13	19.63	<=23	Pass	
			25	19.76	-0.13	19.63	<=23	Pass	
			50	19.72	-0.13	19.59	<=23	Pass	
			100	0	19.84	-0.13	19.71	<=23	Pass
	3690		1	0	20.59	-0.13	20.46	<=23	Pass
				50	20.70	-0.13	20.57	<=23	Pass
		99		20.88	-0.13	20.75	<=23	Pass	
		50	0	19.74	-0.13	19.61	<=23	Pass	
			25	19.83	-0.13	19.70	<=23	Pass	
			50	19.87	-0.13	19.74	<=23	Pass	
		100	0	19.94	-0.13	19.81	<=23	Pass	
		Note1: EIRP=Conducted Power+Antenna Gain							

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	21.19	-0.13	21.06	<=23	Pass
			50	21.13	-0.13	21.00	<=23	Pass
			99	21.23	-0.13	21.10	<=23	Pass
		50	0	22.83	-0.13	22.70	<=23	Pass
			25	22.78	-0.13	22.65	<=23	Pass
			50	22.85	-0.13	22.72	<=23	Pass
		100	0	20.50	-0.13	20.37	<=23	Pass
			0	21.38	-0.13	21.25	<=23	Pass
			50	21.51	-0.13	21.38	<=23	Pass
	3625	1	0	21.40	-0.13	21.27	<=23	Pass
			50	21.75	-0.13	21.62	<=23	Pass
			99	21.55	-0.13	21.42	<=23	Pass
		50	0	22.62	-0.13	22.49	<=23	Pass
			25	22.64	-0.13	22.51	<=23	Pass
			50	22.88	-0.13	22.75	<=23	Pass
		100	0	20.30	-0.13	20.17	<=23	Pass
			0	21.40	-0.13	21.27	<=23	Pass
			50	21.75	-0.13	21.62	<=23	Pass
16QAM	3560	1	0	23.05	-0.13	22.92	<=23	Pass
			50	22.83	-0.13	22.70	<=23	Pass
			99	22.77	-0.13	22.64	<=23	Pass
		50	0	21.95	-0.13	21.82	<=23	Pass
			25	21.82	-0.13	21.69	<=23	Pass
			50	21.81	-0.13	21.68	<=23	Pass
		100	0	19.50	-0.13	19.37	<=23	Pass
			0	22.83	-0.13	22.70	<=23	Pass
			50	22.47	-0.13	22.34	<=23	Pass
	3625	1	0	22.47	-0.13	22.34	<=23	Pass
			50	22.32	-0.13	22.19	<=23	Pass
			99	22.32	-0.13	22.19	<=23	Pass
		50	0	21.73	-0.13	21.60	<=23	Pass
			25	21.57	-0.13	21.44	<=23	Pass
			50	21.63	-0.13	21.50	<=23	Pass
		100	0	19.34	-0.13	19.21	<=23	Pass
			0	22.74	-0.13	22.61	<=23	Pass
			50	22.54	-0.13	22.41	<=23	Pass
	3690	1	0	22.74	-0.13	22.61	<=23	Pass
			50	22.74	-0.13	22.61	<=23	Pass
			99	22.74	-0.13	22.61	<=23	Pass
		50	0	21.70	-0.13	21.57	<=23	Pass
			25	21.71	-0.13	21.58	<=23	Pass
			50	21.71	-0.13	21.58	<=23	Pass



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			50	21.77	-0.13	21.64	<=23	Pass		
		100	0	19.28	-0.13	19.15	<=23	Pass		
64QAM	3560	1	0	21.87	-0.13	21.74	<=23	Pass		
			50	22.05	-0.13	21.92	<=23	Pass		
			99	21.85	-0.13	21.72	<=23	Pass		
			0	20.96	-0.13	20.83	<=23	Pass		
		50	25	21.05	-0.13	20.92	<=23	Pass		
			50	20.77	-0.13	20.64	<=23	Pass		
			100	0	18.46	-0.13	18.33	<=23	Pass	
		3625	1	0	21.79	-0.13	21.66	<=23	Pass	
				50	21.69	-0.13	21.56	<=23	Pass	
	99			21.50	-0.13	21.37	<=23	Pass		
	50		0	20.72	-0.13	20.59	<=23	Pass		
			25	20.79	-0.13	20.66	<=23	Pass		
			50	20.73	-0.13	20.60	<=23	Pass		
	100		0	18.30	-0.13	18.17	<=23	Pass		
	3690		1	0	21.65	-0.13	21.52	<=23	Pass	
				50	21.92	-0.13	21.79	<=23	Pass	
		99		22.04	-0.13	21.91	<=23	Pass		
		50	0	20.67	-0.13	20.54	<=23	Pass		
			25	20.90	-0.13	20.77	<=23	Pass		
			50	20.89	-0.13	20.76	<=23	Pass		
		100	0	18.50	-0.13	18.37	<=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	3.3	-3.700	-0.0010	/	Pass
					3.8	2.900	0.0008	/	Pass
					4.3	1.000	0.0003	/	Pass
				-30	3.8	-1.900	-0.0005	/	Pass
				-20	3.8	2.100	0.0006	/	Pass
				-10	3.8	-1.000	-0.0003	/	Pass
				0	3.8	0.500	0.0001	/	Pass
				10	3.8	0.900	0.0003	/	Pass
				30	3.8	-0.200	-0.0001	/	Pass
				40	3.8	0.100	0.0000	/	Pass
				50	3.8	4.400	0.0012	/	Pass
	3625	25	0	20	3.3	1.300	0.0004	/	Pass
					3.8	-0.900	-0.0002	/	Pass
					4.3	-2.400	-0.0007	/	Pass
				-30	3.8	-5.500	-0.0015	/	Pass
				-20	3.8	-4.400	-0.0012	/	Pass
				-10	3.8	0.500	0.0001	/	Pass
				0	3.8	1.400	0.0004	/	Pass
				10	3.8	0.900	0.0002	/	Pass
				30	3.8	-0.900	-0.0002	/	Pass
				40	3.8	2.900	0.0008	/	Pass
				50	3.8	2.800	0.0008	/	Pass
	3697.5	25	0	20	3.3	-4.000	-0.0011	/	Pass
					3.8	1.200	0.0003	/	Pass
					4.3	1.700	0.0005	/	Pass
				-30	3.8	-0.600	-0.0002	/	Pass
				-20	3.8	-2.500	-0.0007	/	Pass
				-10	3.8	-5.100	-0.0014	/	Pass
				0	3.8	-1.400	-0.0004	/	Pass
				10	3.8	-1.000	-0.0003	/	Pass
				30	3.8	8.600	0.0023	/	Pass
				40	3.8	9.600	0.0026	/	Pass
				50	3.8	4.100	0.0011	/	Pass
16QAM	3552.5	25	0	20	3.3	1.500	0.0004	/	Pass
					3.8	0.000	0.0000	/	Pass
					4.3	3.400	0.0010	/	Pass
				-30	3.8	3.200	0.0009	/	Pass



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				-20	3.8	-2.200	-0.0006	/	Pass
				-10	3.8	0.000	0.0000	/	Pass
				0	3.8	10.700	0.0030	/	Pass
				10	3.8	1.500	0.0004	/	Pass
				30	3.8	4.000	0.0011	/	Pass
				40	3.8	-3.900	-0.0011	/	Pass
				50	3.8	4.700	0.0013	/	Pass
	3625	25	0	20	3.3	-1.100	-0.0003	/	Pass
					3.8	1.200	0.0003	/	Pass
					4.3	-1.700	-0.0005	/	Pass
				-30	3.8	-3.100	-0.0009	/	Pass
				-20	3.8	-4.700	-0.0013	/	Pass
				-10	3.8	-1.000	-0.0003	/	Pass
				0	3.8	-4.100	-0.0011	/	Pass
				10	3.8	-0.800	-0.0002	/	Pass
				30	3.8	0.400	0.0001	/	Pass
				40	3.8	-3.100	-0.0009	/	Pass
				50	3.8	-1.800	-0.0005	/	Pass
	3697.5	25	0	20	3.3	-4.600	-0.0012	/	Pass
					3.8	-4.200	-0.0011	/	Pass
					4.3	-1.400	-0.0004	/	Pass
				-30	3.8	3.700	0.0010	/	Pass
				-20	3.8	-3.400	-0.0009	/	Pass
				-10	3.8	-1.300	-0.0004	/	Pass
				0	3.8	-3.100	-0.0008	/	Pass
				10	3.8	0.400	0.0001	/	Pass
				30	3.8	-3.100	-0.0008	/	Pass
				40	3.8	0.900	0.0002	/	Pass
				50	3.8	0.500	0.0001	/	Pass
64QAM	3552.5	25	0	20	3.3	4.500	0.0013	/	Pass
					3.8	-25.300	-0.0071	/	Pass
					4.3	18.300	0.0052	/	Pass
				-30	3.8	21.500	0.0061	/	Pass
				-20	3.8	4.900	0.0014	/	Pass
				-10	3.8	10.200	0.0029	/	Pass
				0	3.8	-22.700	-0.0064	/	Pass
				10	3.8	-19.700	-0.0055	/	Pass
				30	3.8	15.900	0.0045	/	Pass
				40	3.8	8.100	0.0023	/	Pass
				50	3.8	11.800	0.0033	/	Pass
	3625	25	0	20	3.3	5.600	0.0015	/	Pass
					3.8	11.100	0.0031	/	Pass
					4.3	21.700	0.0060	/	Pass
				-30	3.8	-5.800	-0.0016	/	Pass
				-20	3.8	16.100	0.0044	/	Pass
				-10	3.8	-2.300	-0.0006	/	Pass
				0	3.8	9.600	0.0026	/	Pass
				10	3.8	1.400	0.0004	/	Pass



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				30	3.8	3.200	0.0009	/	Pass
				40	3.8	11.800	0.0033	/	Pass
				50	3.8	11.800	0.0033	/	Pass
				20	3.3	-10.300	-0.0028	/	Pass
					3.8	30.700	0.0083	/	Pass
					4.3	-34.200	-0.0092	/	Pass
				-30	3.8	-12.100	-0.0033	/	Pass
				-20	3.8	28.000	0.0076	/	Pass
				-10	3.8	-19.000	-0.0051	/	Pass
				0	3.8	19.900	0.0054	/	Pass
				10	3.8	-14.400	-0.0039	/	Pass
				30	3.8	0.000	0.0000	/	Pass
				40	3.8	-14.600	-0.0039	/	Pass
				50	3.8	-23.300	-0.0063	/	Pass

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	3.3	-1.300	-0.0004	/	Pass
					3.8	1.700	0.0005	/	Pass
					4.3	2.200	0.0006	/	Pass
				-30	3.8	2.100	0.0006	/	Pass
				-20	3.8	0.100	0.0000	/	Pass
				-10	3.8	-1.100	-0.0003	/	Pass
				0	3.8	1.500	0.0004	/	Pass
				10	3.8	-2.400	-0.0007	/	Pass
				30	3.8	-1.600	-0.0005	/	Pass
				40	3.8	-0.600	-0.0002	/	Pass
				50	3.8	-3.000	-0.0008	/	Pass
	3625	50	0	20	3.3	-4.100	-0.0011	/	Pass
					3.8	-6.700	-0.0018	/	Pass
					4.3	-3.700	-0.0010	/	Pass
				-30	3.8	-3.900	-0.0011	/	Pass
				-20	3.8	-0.600	-0.0002	/	Pass
				-10	3.8	-1.500	-0.0004	/	Pass
				0	3.8	-0.500	-0.0001	/	Pass
				10	3.8	-0.900	-0.0002	/	Pass
				30	3.8	-9.000	-0.0025	/	Pass
				40	3.8	0.200	0.0001	/	Pass
				50	3.8	2.200	0.0006	/	Pass
	3695	50	0	20	3.3	0.200	0.0001	/	Pass
					3.8	-1.000	-0.0003	/	Pass



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					4.3	1.300	0.0004	/	Pass
				-30	3.8	1.100	0.0003	/	Pass
				-20	3.8	-1.800	-0.0005	/	Pass
				-10	3.8	0.900	0.0002	/	Pass
				0	3.8	-1.100	-0.0003	/	Pass
				10	3.8	2.000	0.0005	/	Pass
				30	3.8	-0.200	-0.0001	/	Pass
				40	3.8	2.400	0.0006	/	Pass
				50	3.8	1.500	0.0004	/	Pass
16QAM	3555	50	0	20	3.3	-1.200	-0.0003	/	Pass
					3.8	0.300	0.0001	/	Pass
					4.3	2.900	0.0008	/	Pass
				-30	3.8	-0.100	0.0000	/	Pass
				-20	3.8	-0.500	-0.0001	/	Pass
				-10	3.8	-1.200	-0.0003	/	Pass
				0	3.8	1.100	0.0003	/	Pass
				10	3.8	-2.700	-0.0008	/	Pass
				30	3.8	-1.900	-0.0005	/	Pass
				40	3.8	2.000	0.0006	/	Pass
				50	3.8	3.000	0.0008	/	Pass
	3625	50	0	20	3.3	-1.000	-0.0003	/	Pass
					3.8	2.100	0.0006	/	Pass
					4.3	-0.100	0.0000	/	Pass
				-30	3.8	0.000	0.0000	/	Pass
				-20	3.8	0.100	0.0000	/	Pass
				-10	3.8	1.500	0.0004	/	Pass
				0	3.8	-4.400	-0.0012	/	Pass
				10	3.8	3.600	0.0010	/	Pass
				30	3.8	-6.400	-0.0018	/	Pass
				40	3.8	-3.000	-0.0008	/	Pass
				50	3.8	9.800	0.0027	/	Pass
	3695	50	0	20	3.3	-2.600	-0.0007	/	Pass
					3.8	-5.700	-0.0015	/	Pass
					4.3	-1.300	-0.0004	/	Pass
				-30	3.8	-1.500	-0.0004	/	Pass
				-20	3.8	-2.900	-0.0008	/	Pass
				-10	3.8	0.100	0.0000	/	Pass
				0	3.8	-2.200	-0.0006	/	Pass
				10	3.8	-3.100	-0.0008	/	Pass
				30	3.8	-1.800	-0.0005	/	Pass
				40	3.8	5.200	0.0014	/	Pass
				50	3.8	-2.600	-0.0007	/	Pass
64QAM	3555	50	0	20	3.3	0.800	0.0002	/	Pass
					3.8	3.100	0.0009	/	Pass
					4.3	-6.200	-0.0017	/	Pass
				-30	3.8	20.100	0.0057	/	Pass
				-20	3.8	-12.900	-0.0036	/	Pass
				-10	3.8	-0.800	-0.0002	/	Pass



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				0	3.8	17.600	0.0050	/	Pass
				10	3.8	2.100	0.0006	/	Pass
				30	3.8	2.300	0.0006	/	Pass
				40	3.8	12.000	0.0034	/	Pass
				50	3.8	9.900	0.0028	/	Pass
	3625	50	0	20	3.3	-7.700	-0.0021	/	Pass
					3.8	14.700	0.0041	/	Pass
					4.3	18.800	0.0052	/	Pass
				-30	3.8	-4.300	-0.0012	/	Pass
				-20	3.8	2.600	0.0007	/	Pass
				-10	3.8	0.300	0.0001	/	Pass
				0	3.8	-1.000	-0.0003	/	Pass
				10	3.8	16.900	0.0047	/	Pass
				30	3.8	3.100	0.0009	/	Pass
				40	3.8	6.000	0.0017	/	Pass
				50	3.8	0.000	0.0000	/	Pass
	3695	50	0	20	3.3	10.100	0.0027	/	Pass
					3.8	-0.500	-0.0001	/	Pass
					4.3	10.600	0.0029	/	Pass
				-30	3.8	-0.800	-0.0002	/	Pass
				-20	3.8	15.500	0.0042	/	Pass
				-10	3.8	7.700	0.0021	/	Pass
				0	3.8	13.300	0.0036	/	Pass
				10	3.8	17.100	0.0046	/	Pass
				30	3.8	-7.800	-0.0021	/	Pass
				40	3.8	18.600	0.0050	/	Pass
				50	3.8	-12.800	-0.0035	/	Pass

2.3 B48_15MHz

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	3.3	0.100	0.0000	/	Pass
					3.8	-3.400	-0.0010	/	Pass
					4.3	11.400	0.0032	/	Pass
				-30	3.8	-8.600	-0.0024	/	Pass
				-20	3.8	-4.000	-0.0011	/	Pass
				-10	3.8	1.100	0.0003	/	Pass
				0	3.8	-5.000	-0.0014	/	Pass
				10	3.8	-1.100	-0.0003	/	Pass
				30	3.8	-3.600	-0.0010	/	Pass
				40	3.8	-2.500	-0.0007	/	Pass
				50	3.8	2.600	0.0007	/	Pass



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16QAM	3625	75	0	20	3.3	-0.600	-0.0002	/	Pass
					3.8	-1.500	-0.0004	/	Pass
					4.3	-5.100	-0.0014	/	Pass
				-30	3.8	3.700	0.0010	/	Pass
				-20	3.8	-2.600	-0.0007	/	Pass
				-10	3.8	0.100	0.0000	/	Pass
				0	3.8	7.800	0.0022	/	Pass
				10	3.8	2.400	0.0007	/	Pass
				30	3.8	2.000	0.0006	/	Pass
				40	3.8	-3.300	-0.0009	/	Pass
				50	3.8	-5.700	-0.0016	/	Pass
	3692.5	75	0	20	3.3	-0.600	-0.0002	/	Pass
					3.8	-3.200	-0.0009	/	Pass
					4.3	-3.200	-0.0009	/	Pass
				-30	3.8	-3.000	-0.0008	/	Pass
				-20	3.8	0.800	0.0002	/	Pass
				-10	3.8	-1.100	-0.0003	/	Pass
				0	3.8	-3.700	-0.0010	/	Pass
				10	3.8	-1.000	-0.0003	/	Pass
				30	3.8	-2.700	-0.0007	/	Pass
				40	3.8	-1.700	-0.0005	/	Pass
				50	3.8	0.000	0.0000	/	Pass
	3557.5	75	0	20	3.3	-2.200	-0.0006	/	Pass
					3.8	6.800	0.0019	/	Pass
					4.3	-3.400	-0.0010	/	Pass
				-30	3.8	-0.400	-0.0001	/	Pass
				-20	3.8	-4.400	-0.0012	/	Pass
				-10	3.8	-2.900	-0.0008	/	Pass
				0	3.8	-0.800	-0.0002	/	Pass
				10	3.8	5.300	0.0015	/	Pass
				30	3.8	-0.300	-0.0001	/	Pass
				40	3.8	-2.200	-0.0006	/	Pass
				50	3.8	-3.900	-0.0011	/	Pass
	3625	75	0	20	3.3	-0.800	-0.0002	/	Pass
					3.8	-3.600	-0.0010	/	Pass
					4.3	-0.700	-0.0002	/	Pass
				-30	3.8	1.700	0.0005	/	Pass
				-20	3.8	-0.200	-0.0001	/	Pass
				-10	3.8	-4.700	-0.0013	/	Pass
				0	3.8	-0.400	-0.0001	/	Pass
				10	3.8	-0.700	-0.0002	/	Pass
				30	3.8	-5.100	-0.0014	/	Pass
				40	3.8	0.400	0.0001	/	Pass
				50	3.8	-0.200	-0.0001	/	Pass
	3692.5	75	0	20	3.3	0.500	0.0001	/	Pass
					3.8	-1.100	-0.0003	/	Pass
					4.3	3.100	0.0008	/	Pass
				-30	3.8	-2.000	-0.0005	/	Pass



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				-20	3.8	-4.300	-0.0012	/	Pass
				-10	3.8	-2.300	-0.0006	/	Pass
				0	3.8	-4.700	-0.0013	/	Pass
				10	3.8	-2.800	-0.0008	/	Pass
				30	3.8	3.300	0.0009	/	Pass
				40	3.8	-0.500	-0.0001	/	Pass
				50	3.8	-2.400	-0.0006	/	Pass
64QAM	3557.5	75	0	20	3.3	7.100	0.0020	/	Pass
					3.8	-21.000	-0.0059	/	Pass
					4.3	-14.500	-0.0041	/	Pass
				-30	3.8	8.800	0.0025	/	Pass
				-20	3.8	-3.500	-0.0010	/	Pass
				-10	3.8	16.700	0.0047	/	Pass
				0	3.8	-15.700	-0.0044	/	Pass
				10	3.8	-4.100	-0.0012	/	Pass
				30	3.8	-17.600	-0.0049	/	Pass
				40	3.8	-21.800	-0.0061	/	Pass
				50	3.8	13.700	0.0039	/	Pass
	3625	75	0	20	3.3	-4.400	-0.0012	/	Pass
					3.8	14.000	0.0039	/	Pass
					4.3	3.200	0.0009	/	Pass
				-30	3.8	9.300	0.0026	/	Pass
				-20	3.8	-3.700	-0.0010	/	Pass
				-10	3.8	-5.100	-0.0014	/	Pass
				0	3.8	-7.000	-0.0019	/	Pass
				10	3.8	-8.600	-0.0024	/	Pass
				30	3.8	15.300	0.0042	/	Pass
				40	3.8	6.700	0.0018	/	Pass
				50	3.8	13.200	0.0036	/	Pass
	3692.5	75	0	20	3.3	10.000	0.0027	/	Pass
					3.8	-16.500	-0.0045	/	Pass
					4.3	8.100	0.0022	/	Pass
				-30	3.8	-14.600	-0.0040	/	Pass
				-20	3.8	-15.500	-0.0042	/	Pass
				-10	3.8	-5.400	-0.0015	/	Pass
				0	3.8	-18.300	-0.0050	/	Pass
				10	3.8	-7.800	-0.0021	/	Pass
				30	3.8	-3.100	-0.0008	/	Pass
				40	3.8	-0.800	-0.0002	/	Pass
				50	3.8	-16.900	-0.0046	/	Pass



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2.4 B48_20MHz

2.4.1 Test Result

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	3.3	-3.300	-0.0009	/	Pass
					3.8	-4.400	-0.0012	/	Pass
					4.3	-0.800	-0.0002	/	Pass
				-30	3.8	-1.000	-0.0003	/	Pass
				-20	3.8	-0.500	-0.0001	/	Pass
				-10	3.8	-1.000	-0.0003	/	Pass
				0	3.8	-0.600	-0.0002	/	Pass
				10	3.8	-1.600	-0.0004	/	Pass
				30	3.8	1.400	0.0004	/	Pass
				40	3.8	10.100	0.0028	/	Pass
				50	3.8	-1.100	-0.0003	/	Pass
	3625	100	0	20	3.3	-3.600	-0.0010	/	Pass
					3.8	-0.700	-0.0002	/	Pass
					4.3	-0.800	-0.0002	/	Pass
				-30	3.8	1.200	0.0003	/	Pass
				-20	3.8	-2.500	-0.0007	/	Pass
				-10	3.8	-2.200	-0.0006	/	Pass
				0	3.8	3.700	0.0010	/	Pass
				10	3.8	2.300	0.0006	/	Pass
				30	3.8	0.700	0.0002	/	Pass
				40	3.8	-2.400	-0.0007	/	Pass
				50	3.8	2.200	0.0006	/	Pass
	3690	100	0	20	3.3	5.700	0.0015	/	Pass
					3.8	-2.000	-0.0005	/	Pass
					4.3	0.800	0.0002	/	Pass
				-30	3.8	10.000	0.0027	/	Pass
				-20	3.8	0.000	0.0000	/	Pass
				-10	3.8	-1.600	-0.0004	/	Pass
				0	3.8	-2.300	-0.0006	/	Pass
				10	3.8	-1.100	-0.0003	/	Pass
				30	3.8	2.100	0.0006	/	Pass
				40	3.8	2.300	0.0006	/	Pass
				50	3.8	8.100	0.0022	/	Pass
16QAM	3560	100	0	20	3.3	2.400	0.0007	/	Pass
					3.8	1.300	0.0004	/	Pass
					4.3	2.100	0.0006	/	Pass
				-30	3.8	3.500	0.0010	/	Pass
				-20	3.8	8.200	0.0023	/	Pass
				-10	3.8	-3.000	-0.0008	/	Pass
				0	3.8	4.800	0.0013	/	Pass



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64QAM	3625	100	0	10	3.8	-0.400	-0.0001	/	Pass
				30	3.8	-0.100	0.0000	/	Pass
				40	3.8	-0.100	0.0000	/	Pass
				50	3.8	-3.000	-0.0008	/	Pass
				20	3.3	0.800	0.0002	/	Pass
					3.8	-4.700	-0.0013	/	Pass
					4.3	-3.700	-0.0010	/	Pass
				-30	3.8	-3.000	-0.0008	/	Pass
				-20	3.8	-4.600	-0.0013	/	Pass
				-10	3.8	1.000	0.0003	/	Pass
				0	3.8	10.000	0.0028	/	Pass
				10	3.8	0.500	0.0001	/	Pass
				30	3.8	5.400	0.0015	/	Pass
				40	3.8	-5.800	-0.0016	/	Pass
				50	3.8	-5.000	-0.0014	/	Pass
	3690	100	0	20	3.3	0.000	0.0000	/	Pass
					3.8	-6.100	-0.0017	/	Pass
					4.3	3.000	0.0008	/	Pass
				-30	3.8	-0.800	-0.0002	/	Pass
				-20	3.8	-1.300	-0.0004	/	Pass
				-10	3.8	-1.200	-0.0003	/	Pass
				0	3.8	-0.200	-0.0001	/	Pass
				10	3.8	1.500	0.0004	/	Pass
				30	3.8	-0.800	-0.0002	/	Pass
				40	3.8	-0.300	-0.0001	/	Pass
				50	3.8	-1.100	-0.0003	/	Pass
	3560	100	0	20	3.3	-8.000	-0.0022	/	Pass
					3.8	-2.600	-0.0007	/	Pass
					4.3	-5.200	-0.0015	/	Pass
				-30	3.8	2.300	0.0006	/	Pass
				-20	3.8	-11.100	-0.0031	/	Pass
				-10	3.8	-13.400	-0.0038	/	Pass
				0	3.8	-9.200	-0.0026	/	Pass
				10	3.8	5.100	0.0014	/	Pass
				30	3.8	4.600	0.0013	/	Pass
				40	3.8	0.900	0.0003	/	Pass
				50	3.8	10.000	0.0028	/	Pass
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					3.8	-0.900	-0.0002	/	Pass
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				-30	3.8	-4.600	-0.0013	/	Pass
				-20	3.8	-12.200	-0.0034	/	Pass
				-10	3.8	1.300	0.0004	/	Pass
				0	3.8	9.100	0.0025	/	Pass
				10	3.8	-8.400	-0.0023	/	Pass
				30	3.8	2.300	0.0006	/	Pass
				40	3.8	-7.200	-0.0020	/	Pass
				50	3.8	-12.800	-0.0035	/	Pass



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	3690	100	0	20	3.3	-15.000	-0.0041	/	Pass
					3.8	4.300	0.0012	/	Pass
					4.3	-6.600	-0.0018	/	Pass
				-30	3.8	-9.900	-0.0027	/	Pass
				-20	3.8	-14.000	-0.0038	/	Pass
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				0	3.8	-5.400	-0.0015	/	Pass
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				30	3.8	-12.900	-0.0035	/	Pass
				40	3.8	1.700	0.0005	/	Pass
				50	3.8	-9.500	-0.0026	/	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	4.509	/	Pass
		3625	25	0	4.524	/	Pass
		3697.5	25	0	4.505	/	Pass
	16QAM	3552.5	25	0	4.517	/	Pass
		3625	25	0	4.526	/	Pass
		3697.5	25	0	4.512	/	Pass
	64QAM	3552.5	25	0	4.553	/	Pass
		3625	25	0	4.491	/	Pass
		3697.5	25	0	4.518	/	Pass
10	QPSK	3555	50	0	9.003	/	Pass
		3625	50	0	9.019	/	Pass
		3695	50	0	8.984	/	Pass
	16QAM	3555	50	0	9.024	/	Pass
		3625	50	0	9.019	/	Pass
		3695	50	0	8.976	/	Pass
	64QAM	3555	50	0	9.126	/	Pass
		3625	50	0	9.102	/	Pass
		3695	50	0	9.006	/	Pass
15	QPSK	3557.5	75	0	13.540	/	Pass
		3625	75	0	13.536	/	Pass
		3692.5	75	0	13.522	/	Pass
	16QAM	3557.5	75	0	13.549	/	Pass
		3625	75	0	13.517	/	Pass
		3692.5	75	0	13.530	/	Pass
	64QAM	3557.5	75	0	13.658	/	Pass
		3625	75	0	13.553	/	Pass
		3692.5	75	0	13.566	/	Pass
20	QPSK	3560	100	0	18.091	/	Pass
		3625	100	0	18.073	/	Pass
		3690	100	0	18.085	/	Pass
	16QAM	3560	100	0	18.114	/	Pass
		3625	100	0	18.098	/	Pass
		3690	100	0	18.077	/	Pass
	64QAM	3560	100	0	18.085	/	Pass
		3625	100	0	18.127	/	Pass
		3690	100	0	18.068	/	Pass



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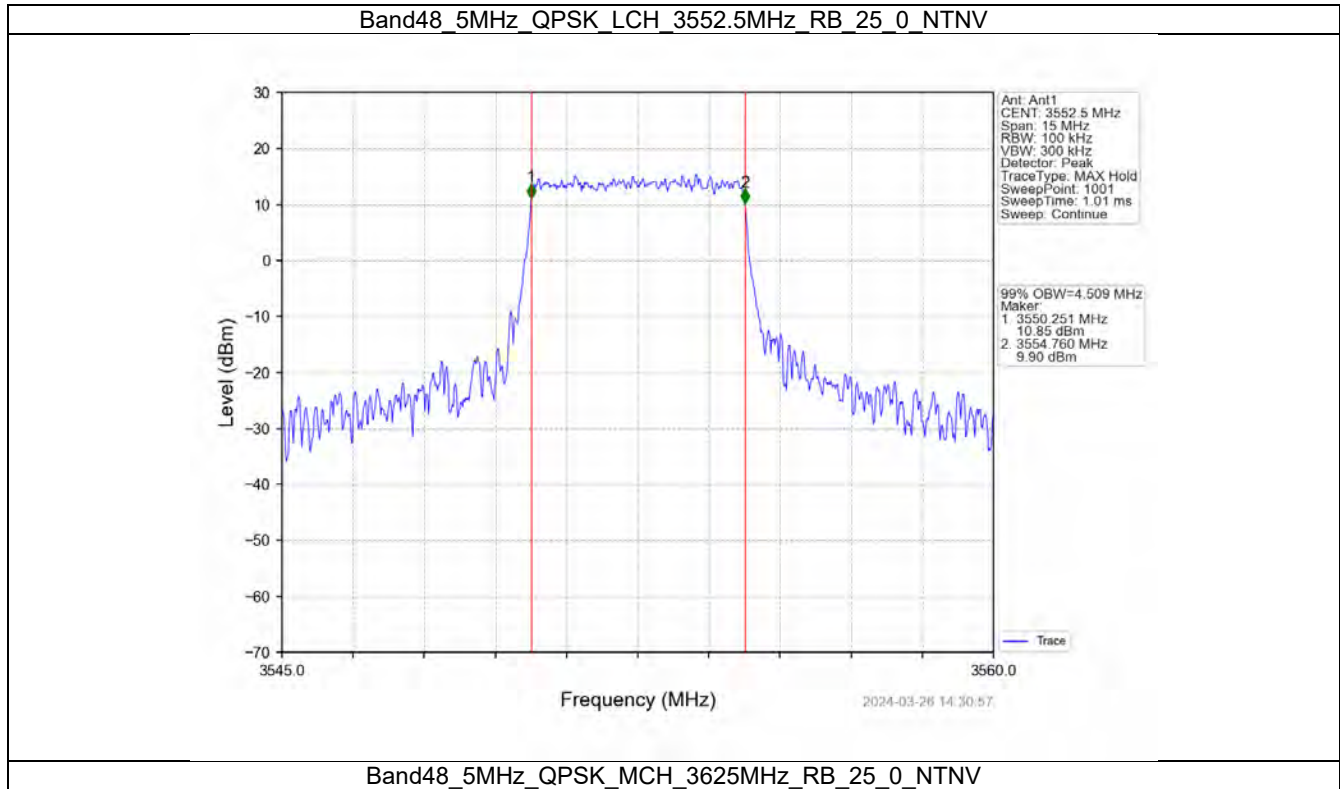
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3.1.2 Test Graph



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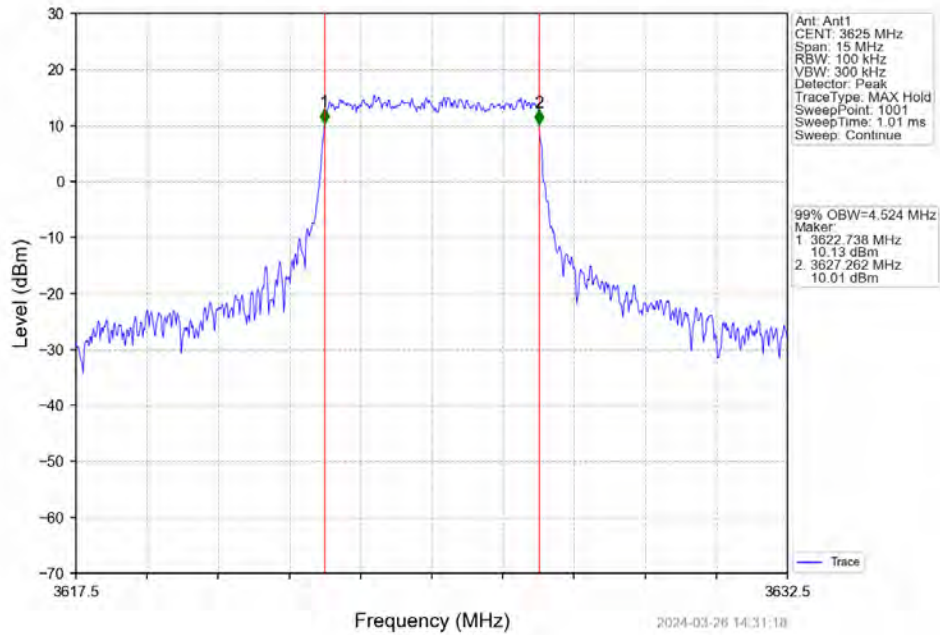


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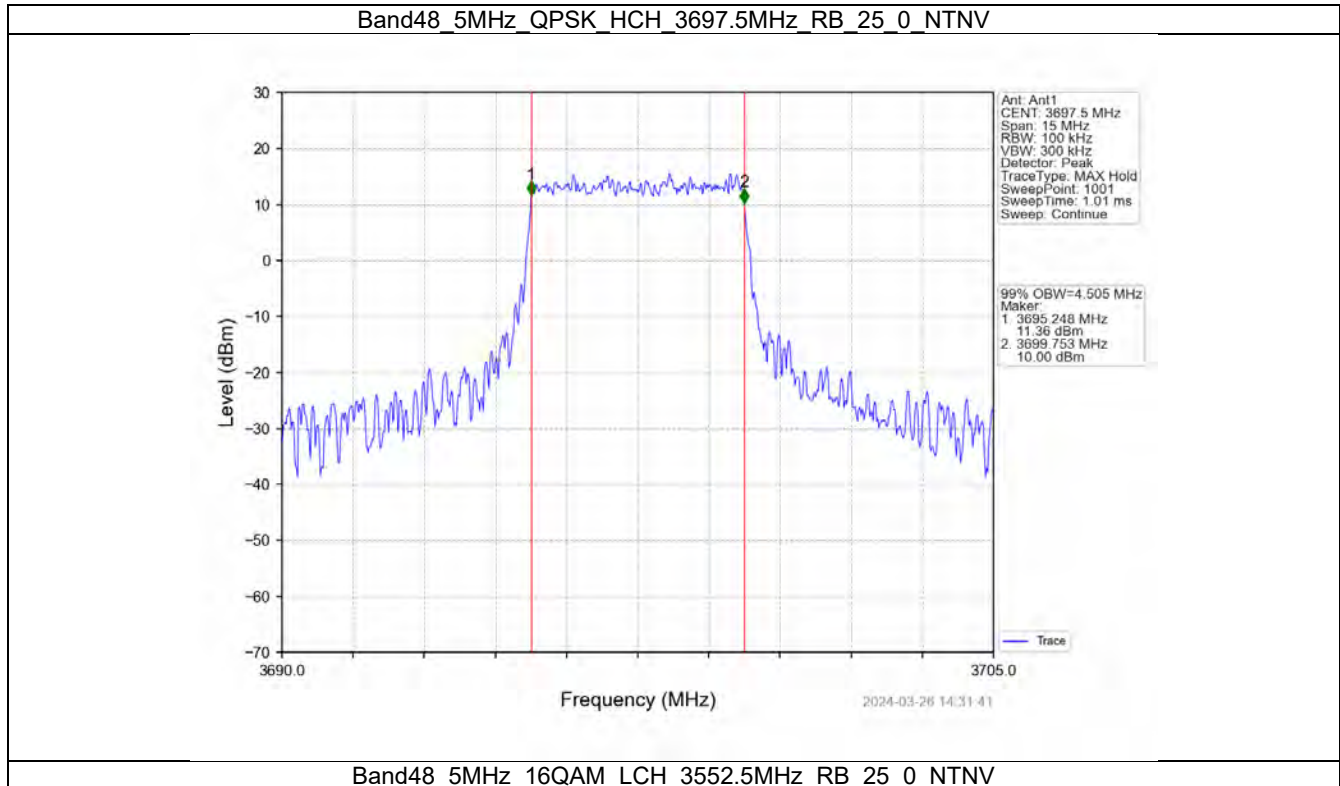


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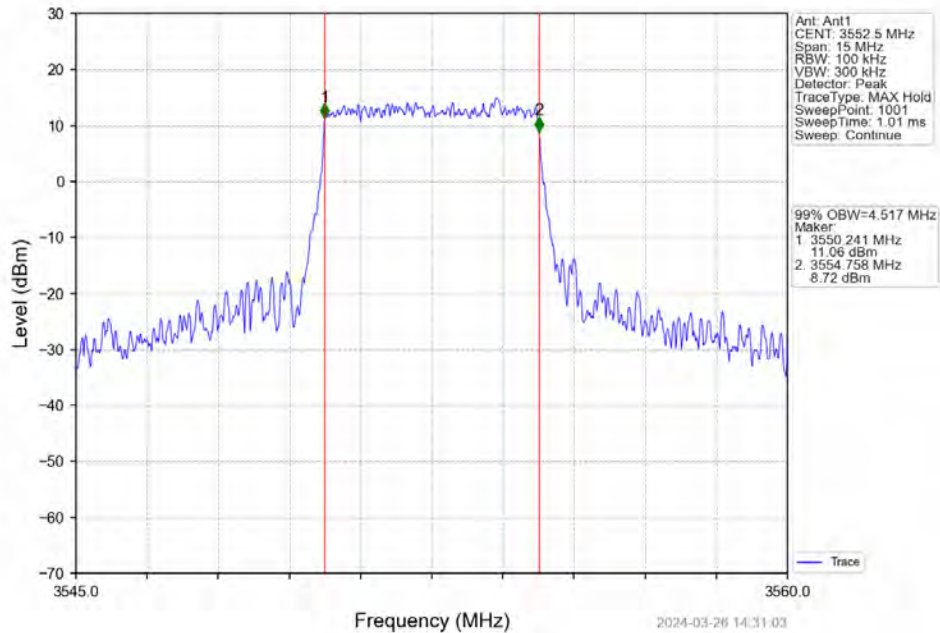


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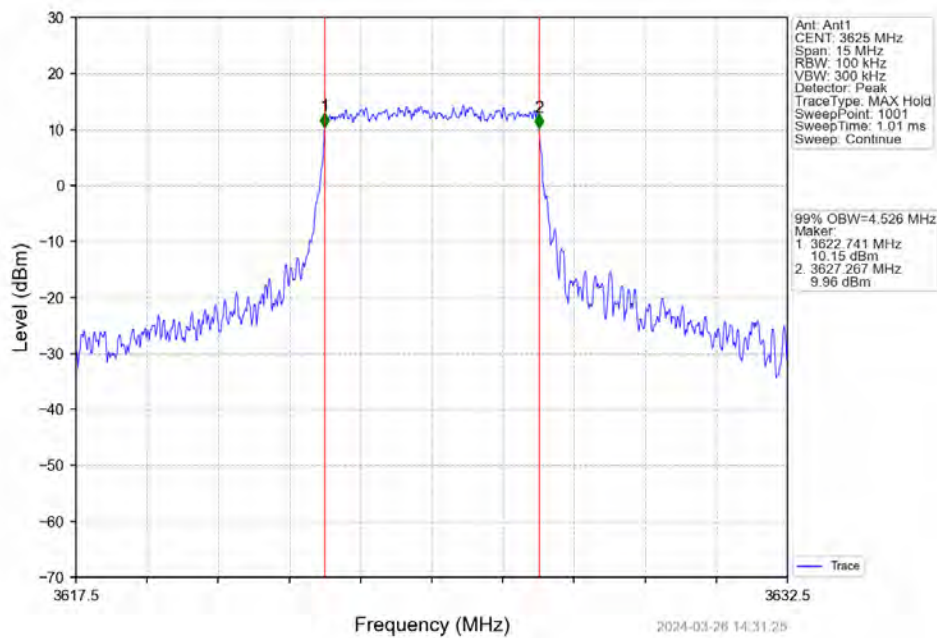
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Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV



Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV



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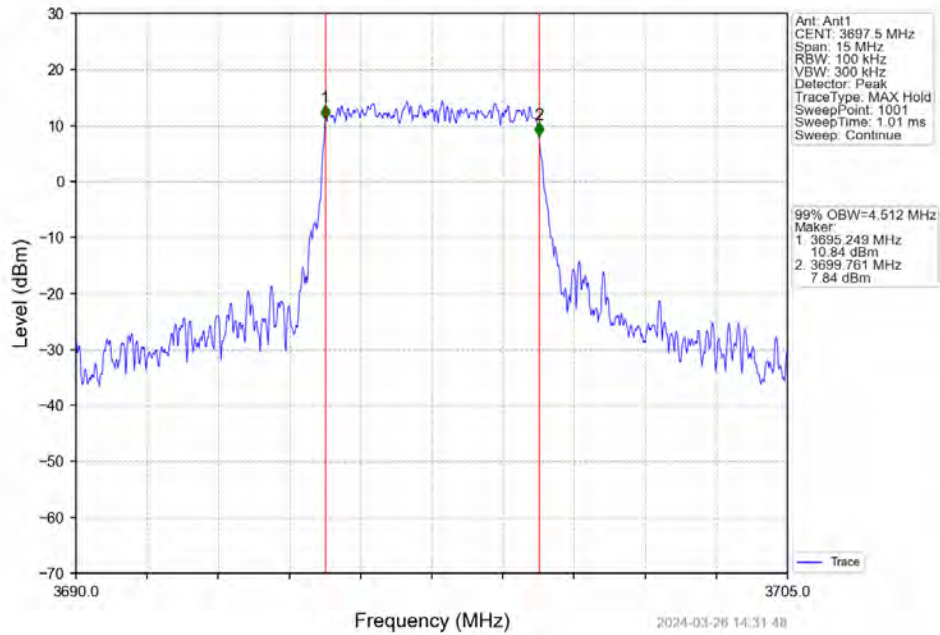


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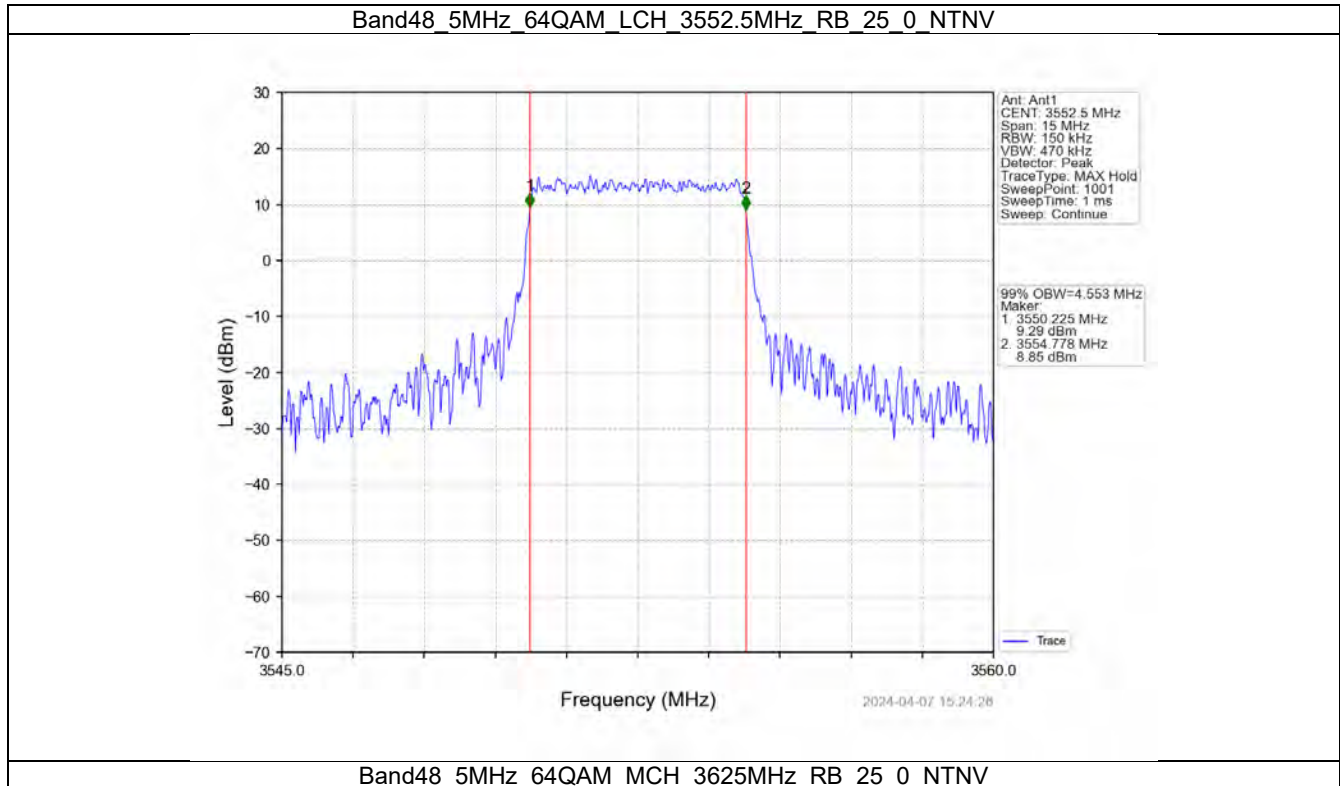


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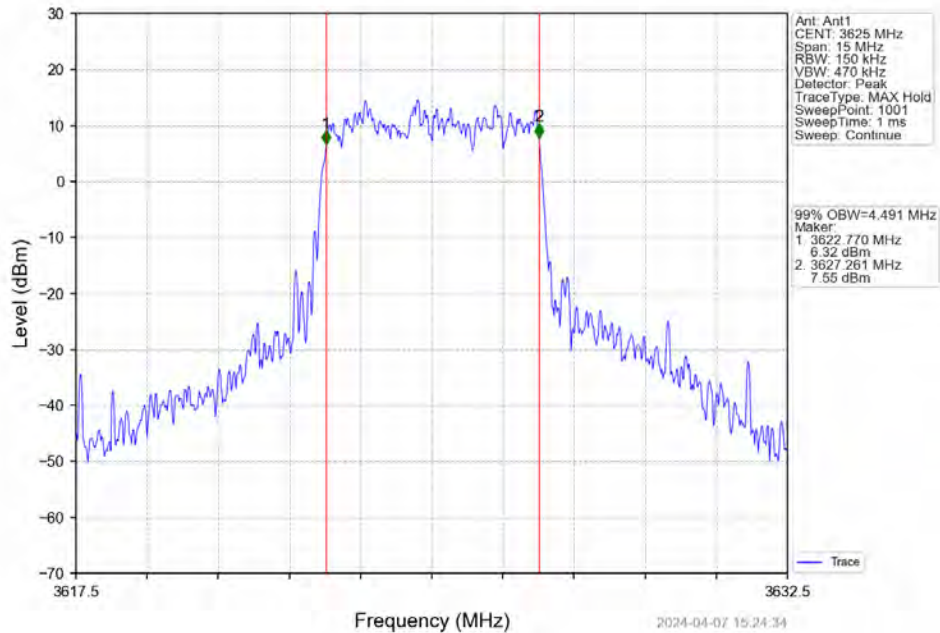


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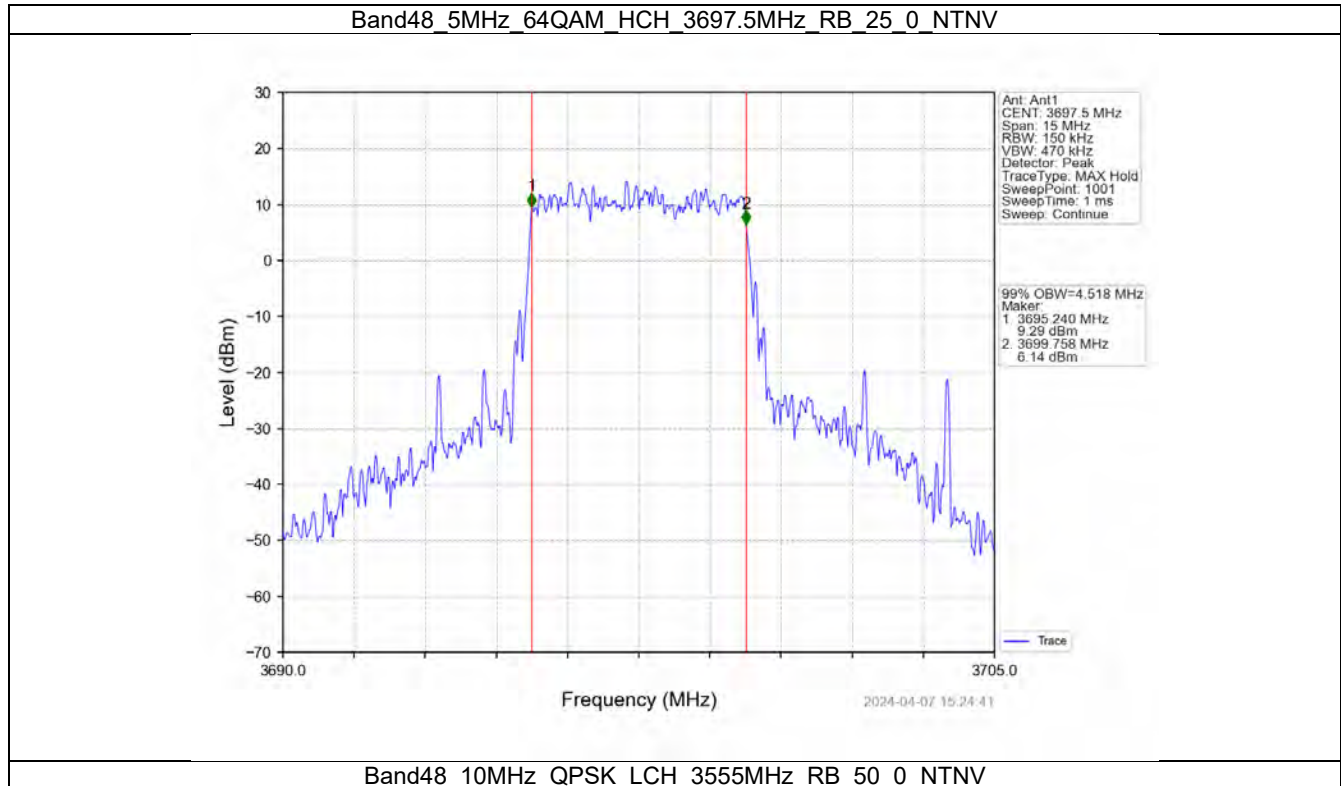


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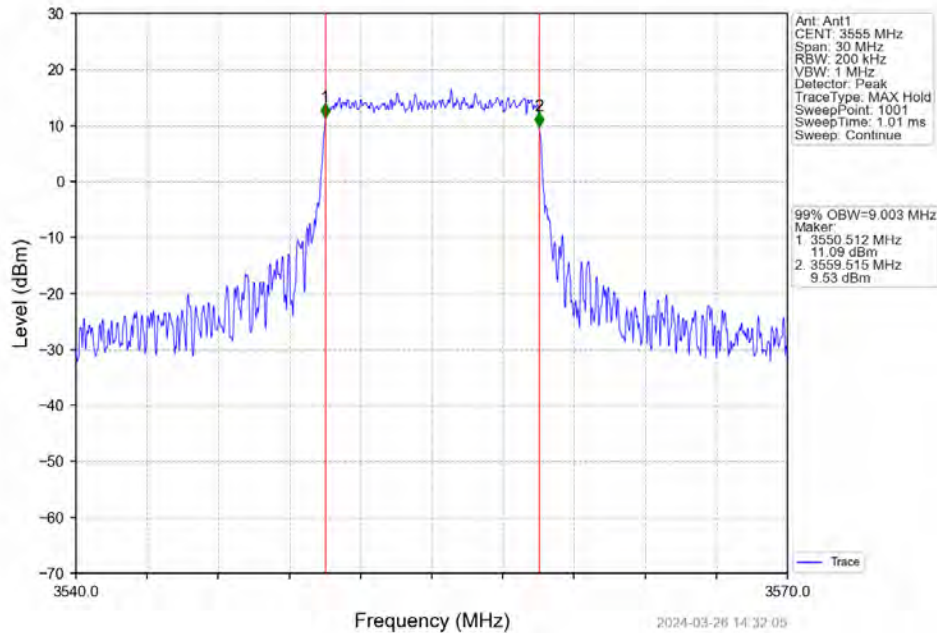


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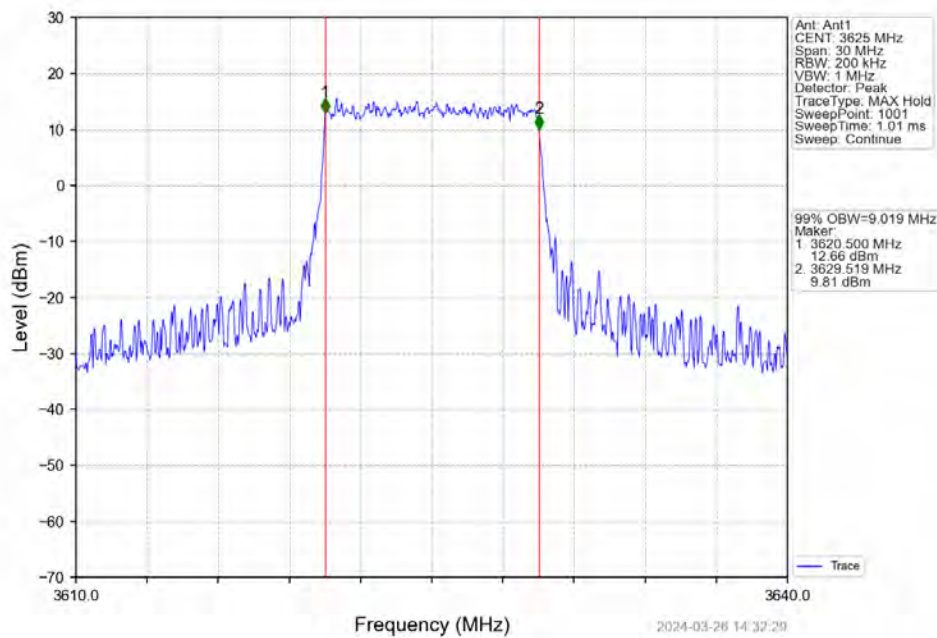
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Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



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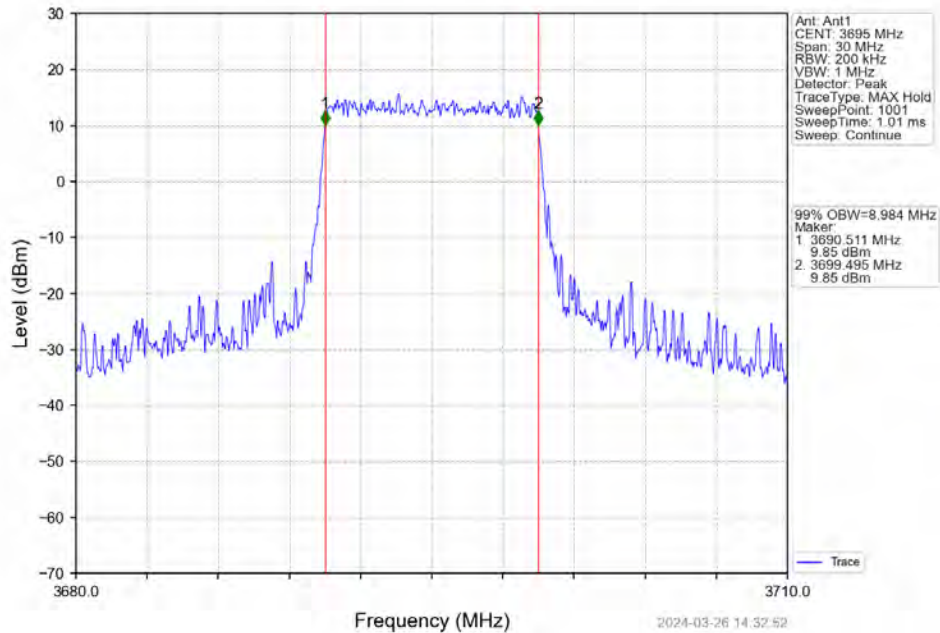


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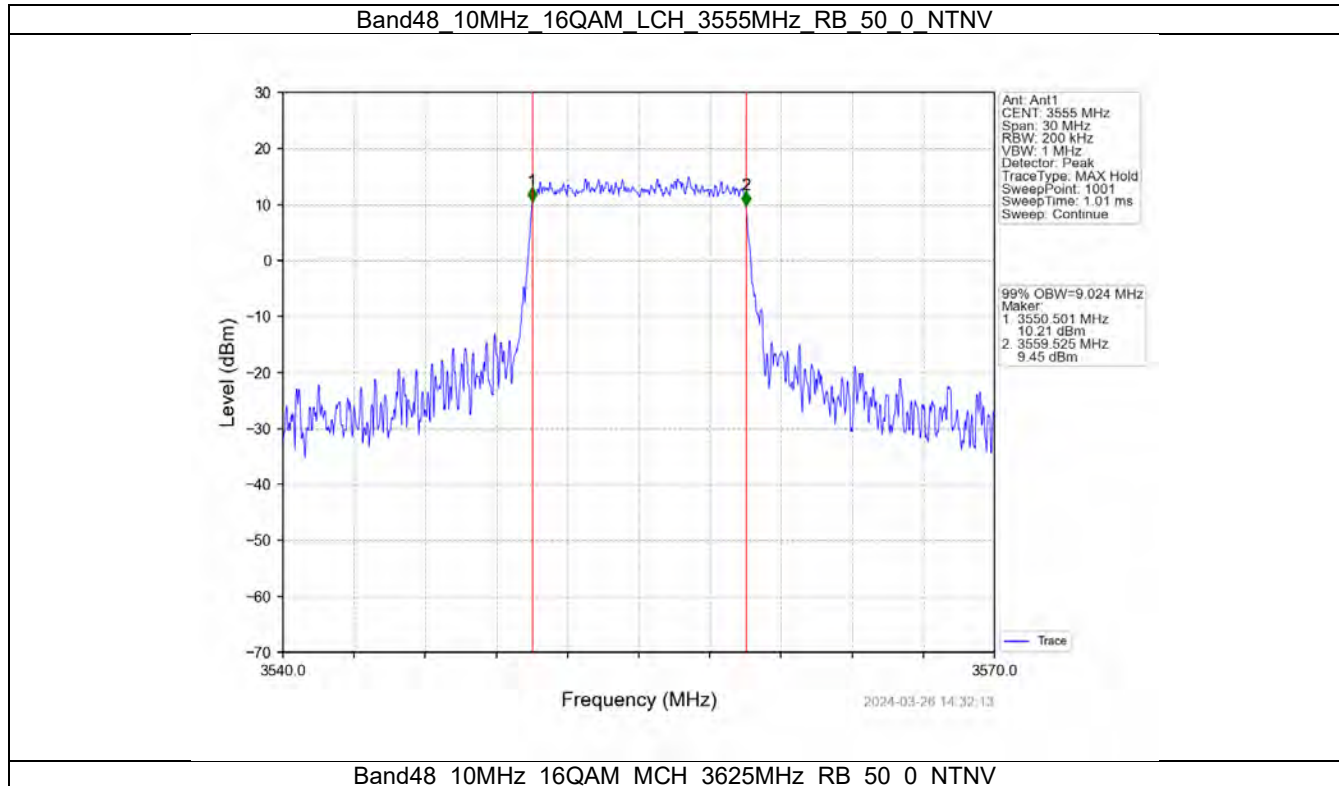


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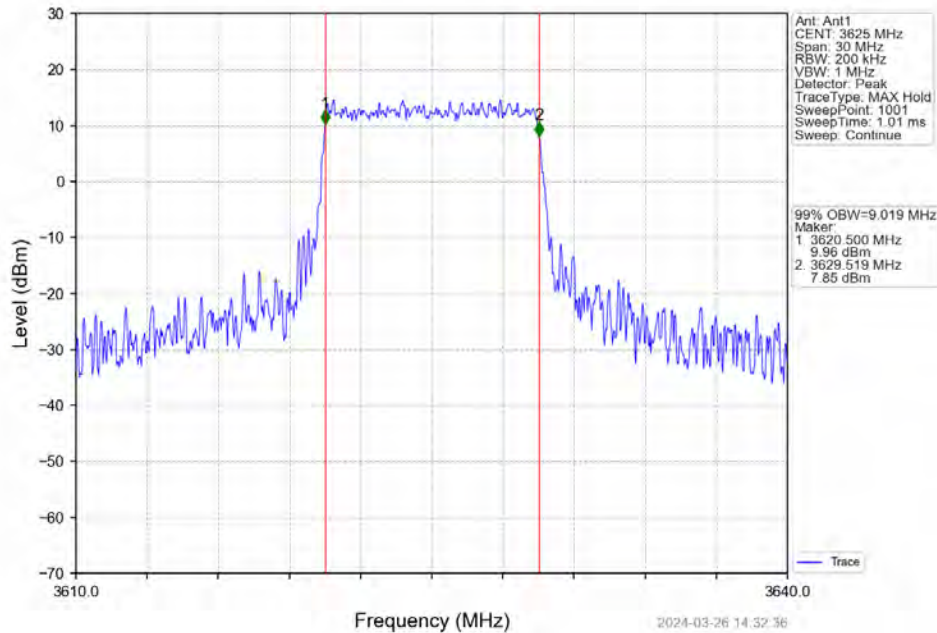


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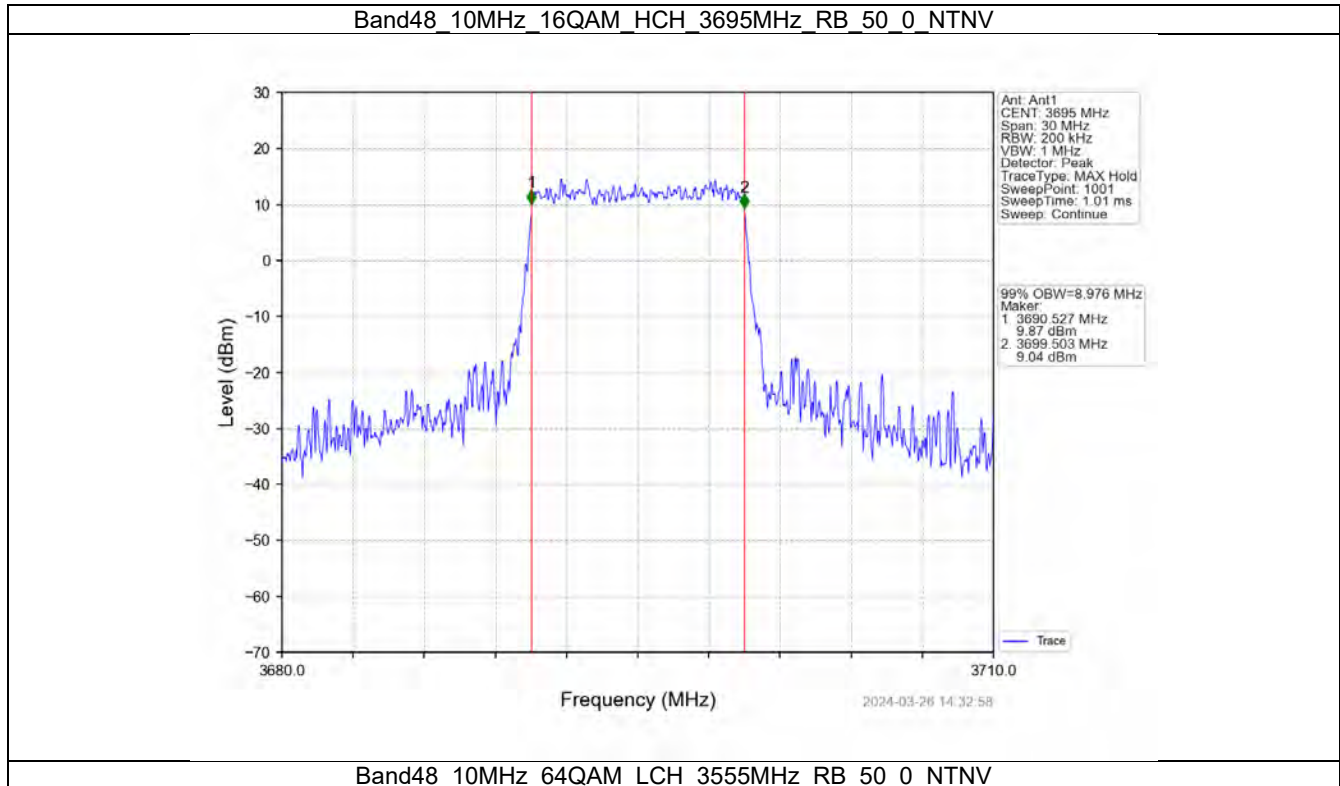


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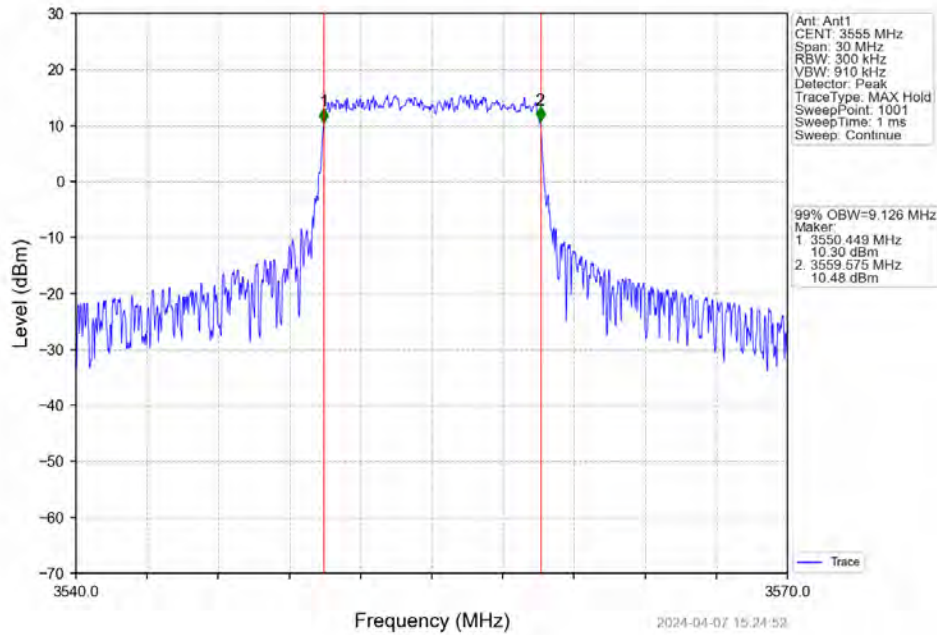


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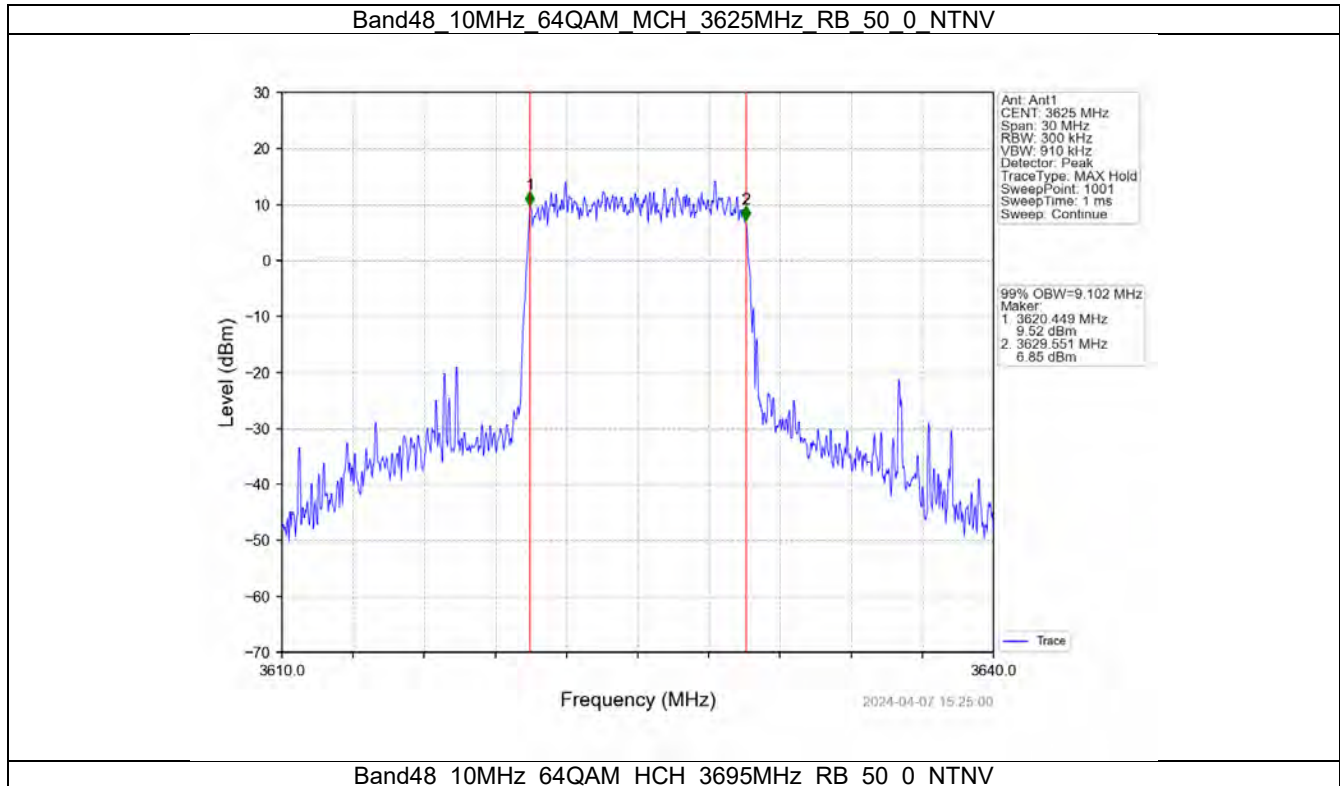


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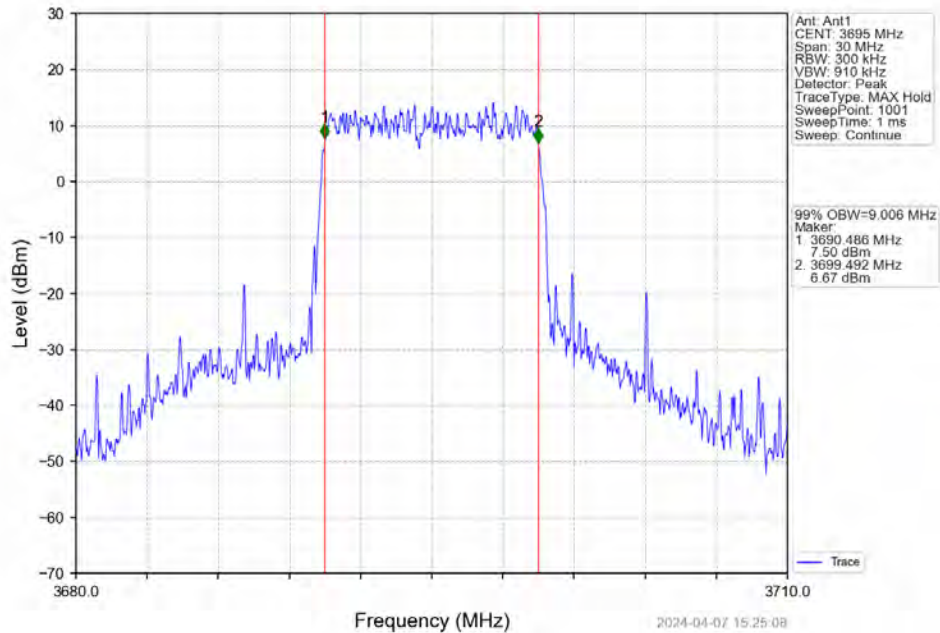


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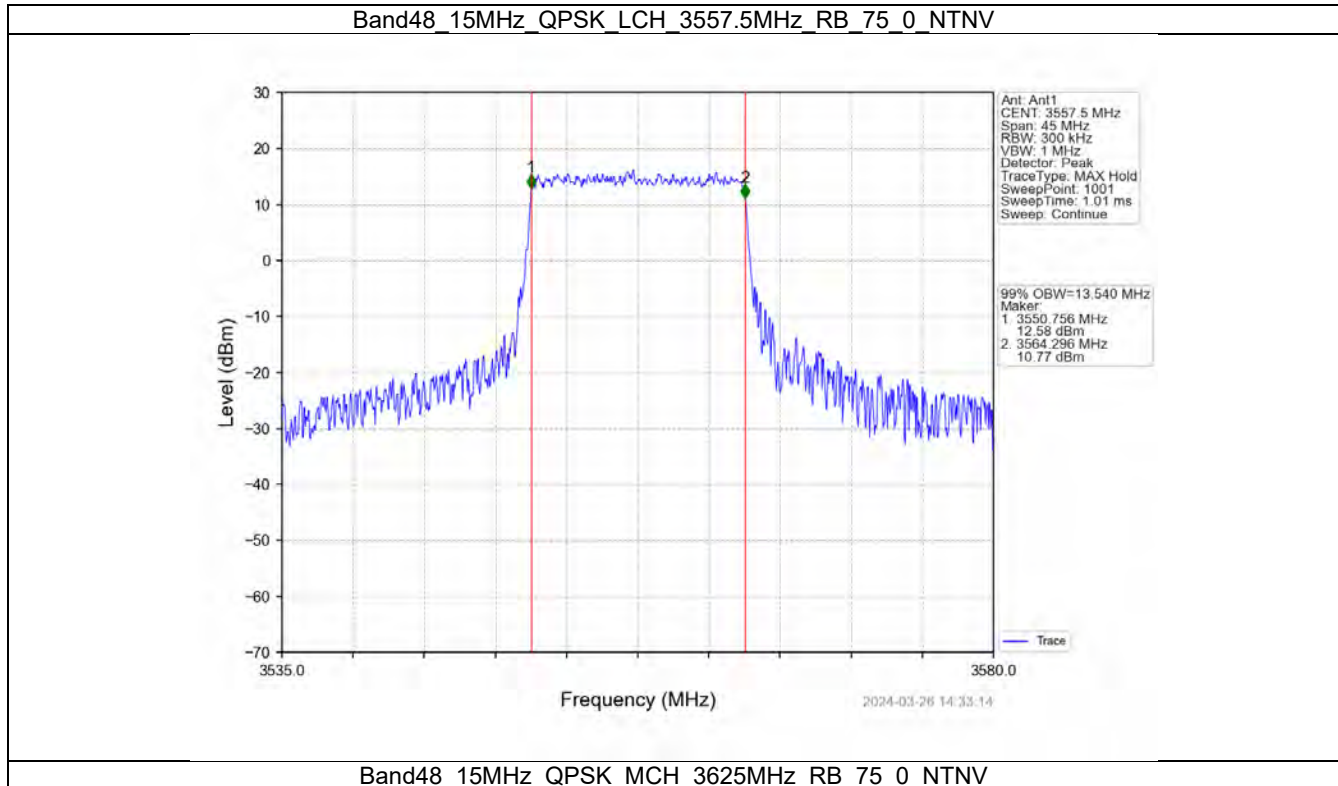


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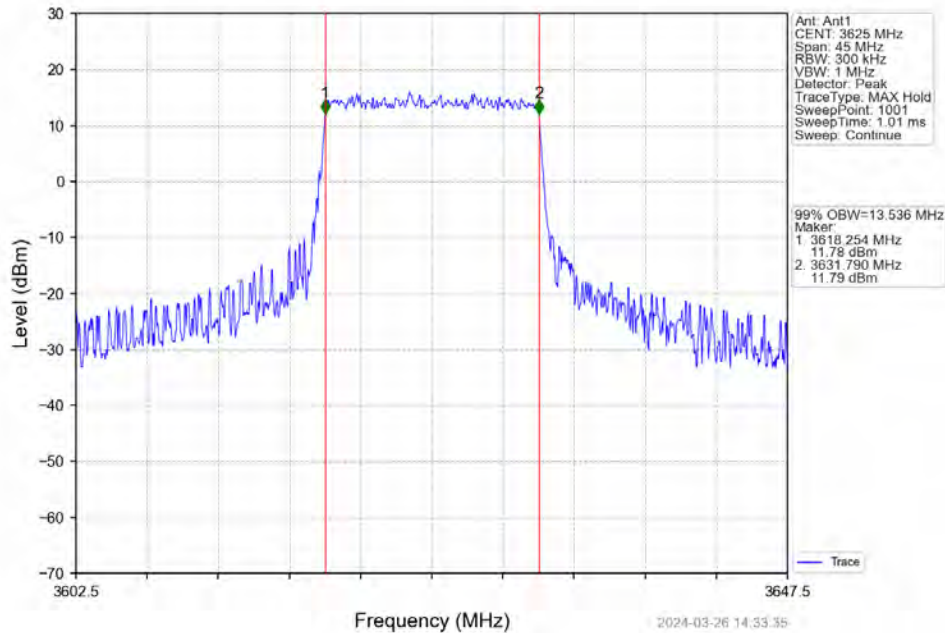


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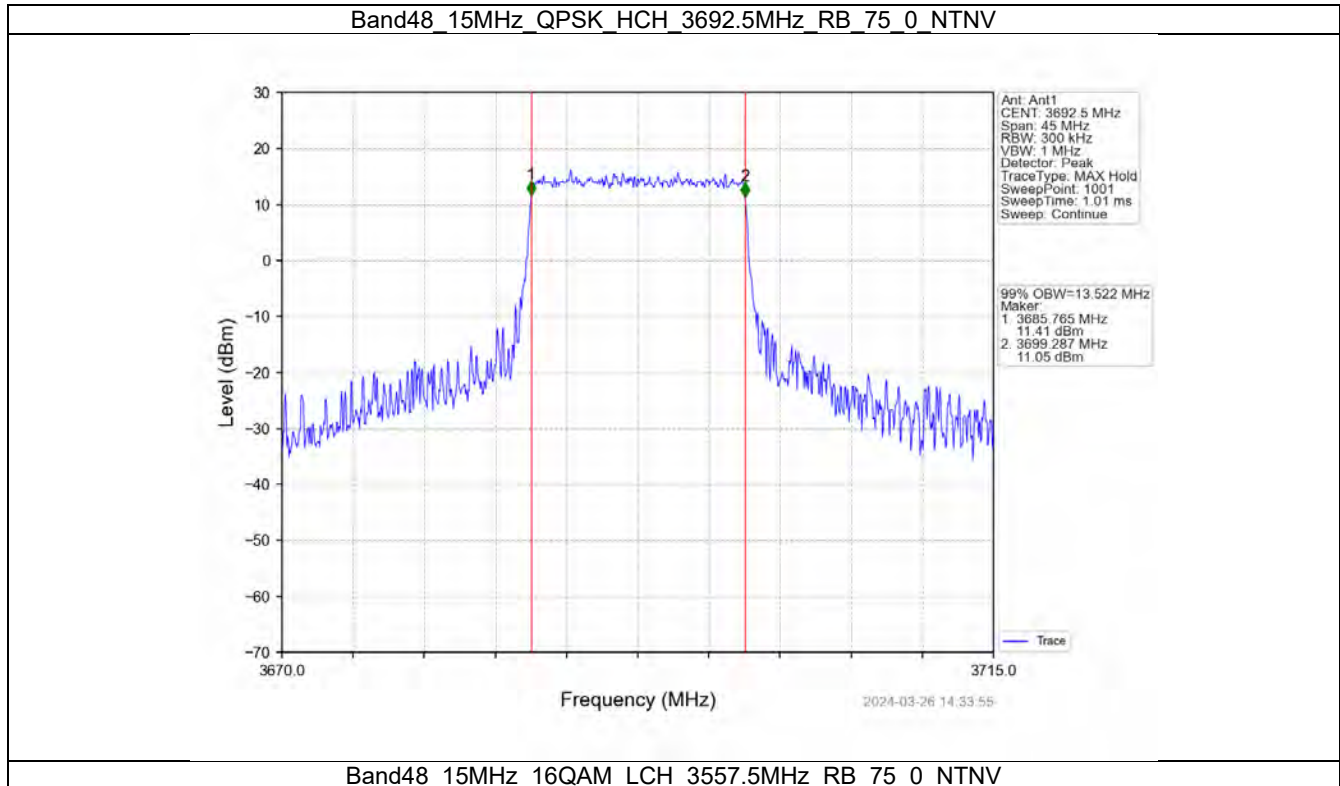


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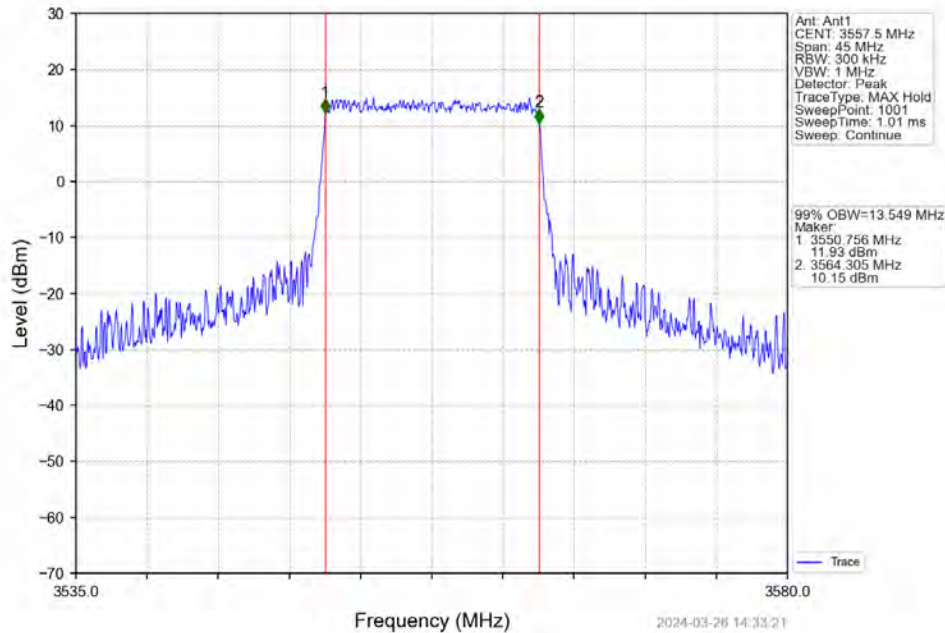


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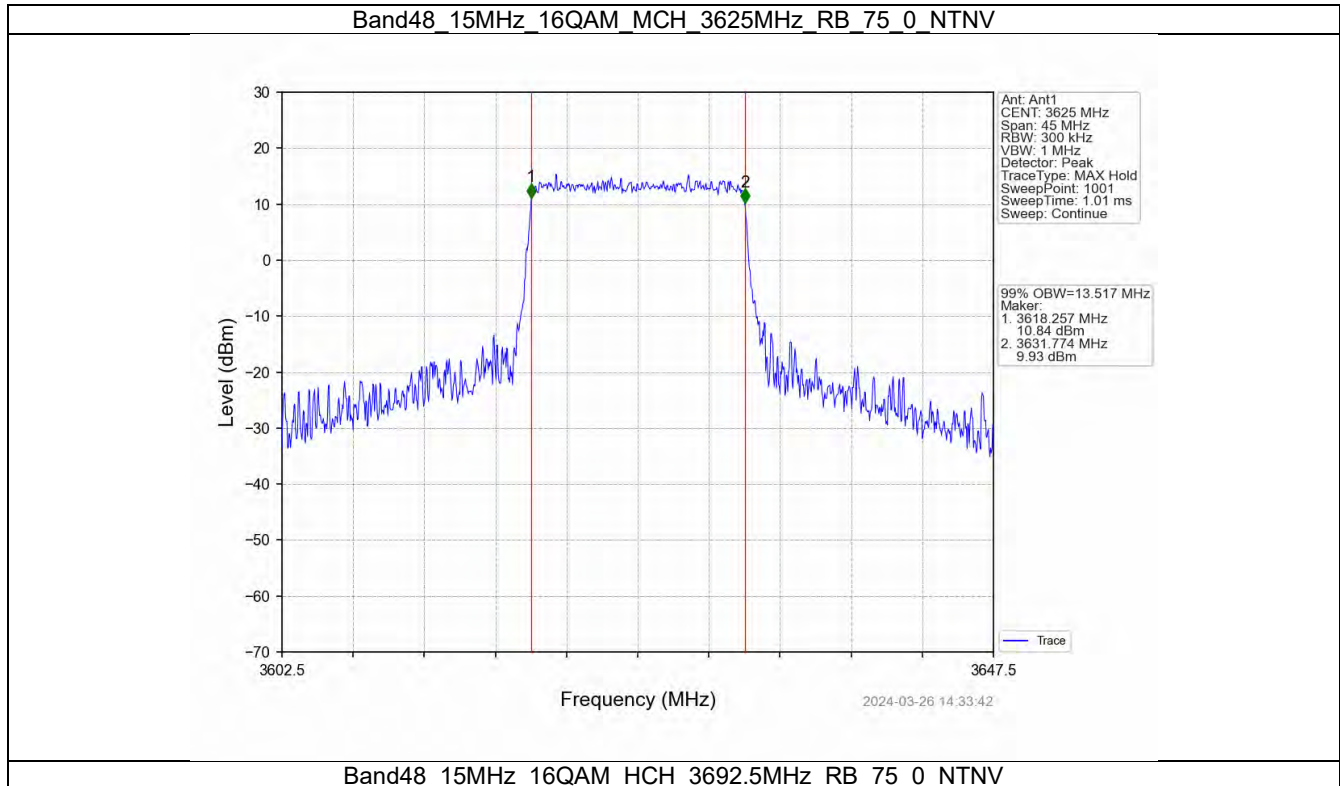


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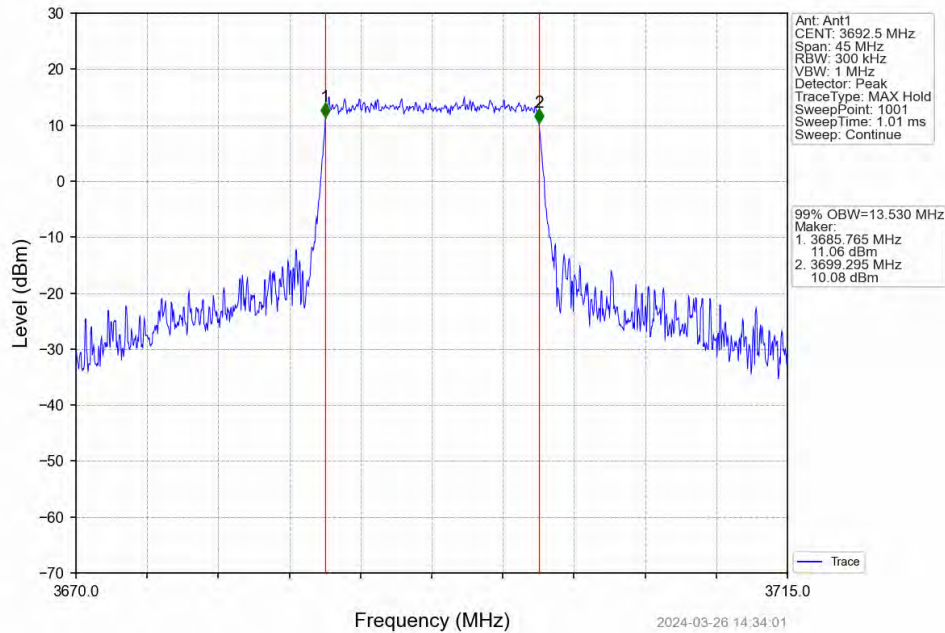


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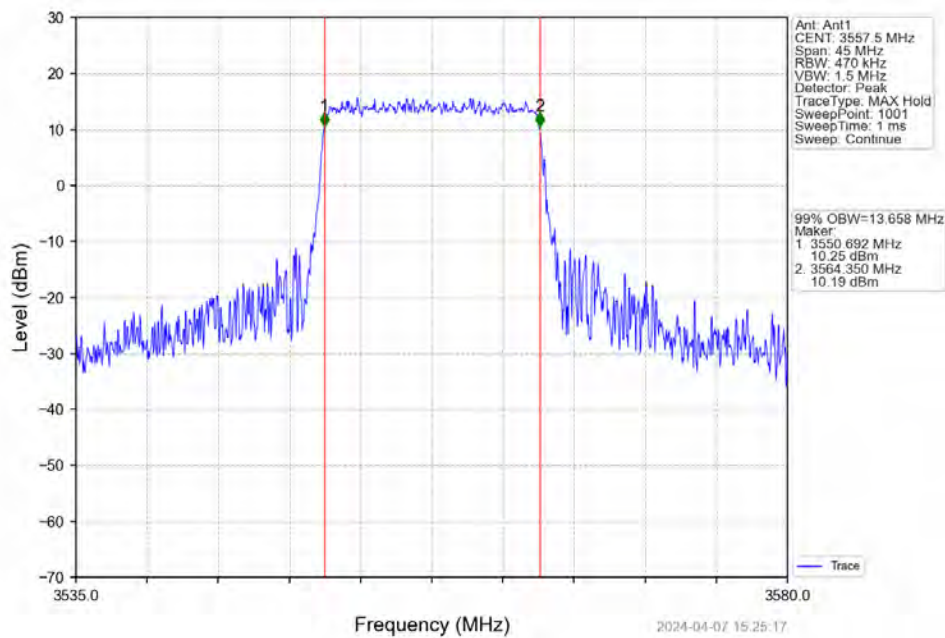
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Band48_15MHz_64QAM_LCH_3557.5MHz_RB_75_0_NTNV



Band48_15MHz_64QAM_MCH_3625MHz_RB_75_0_NTNV



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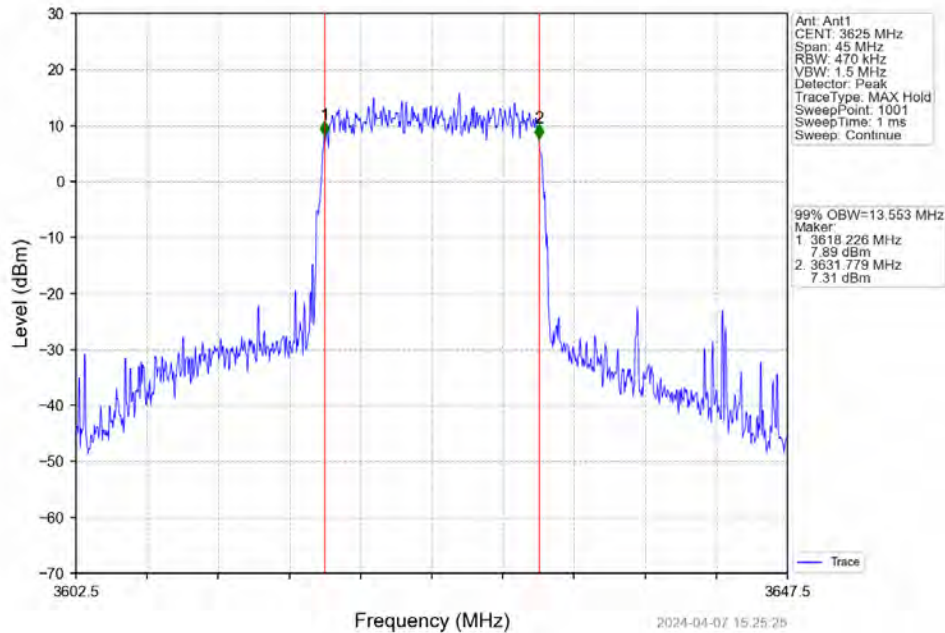


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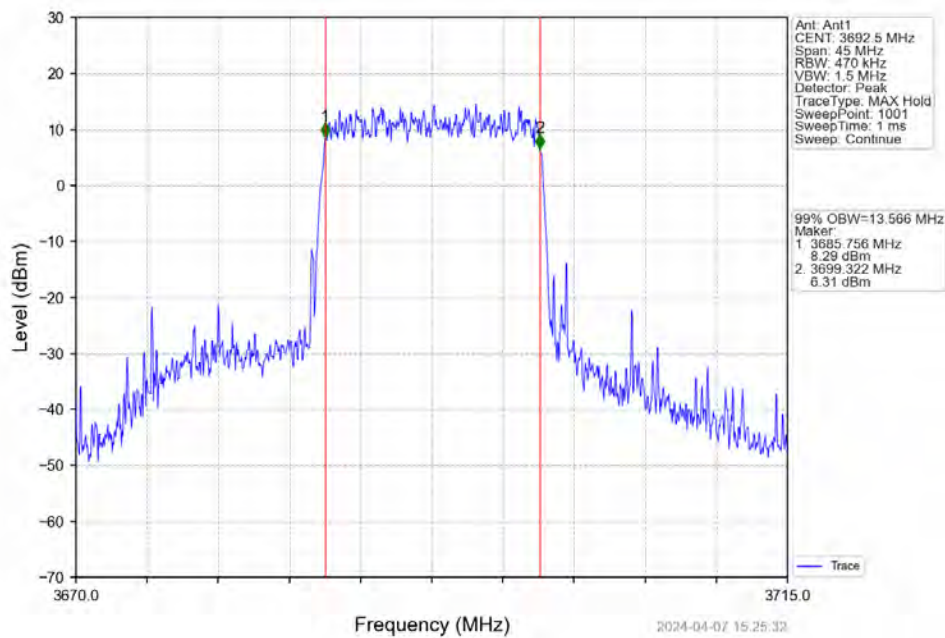
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Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV



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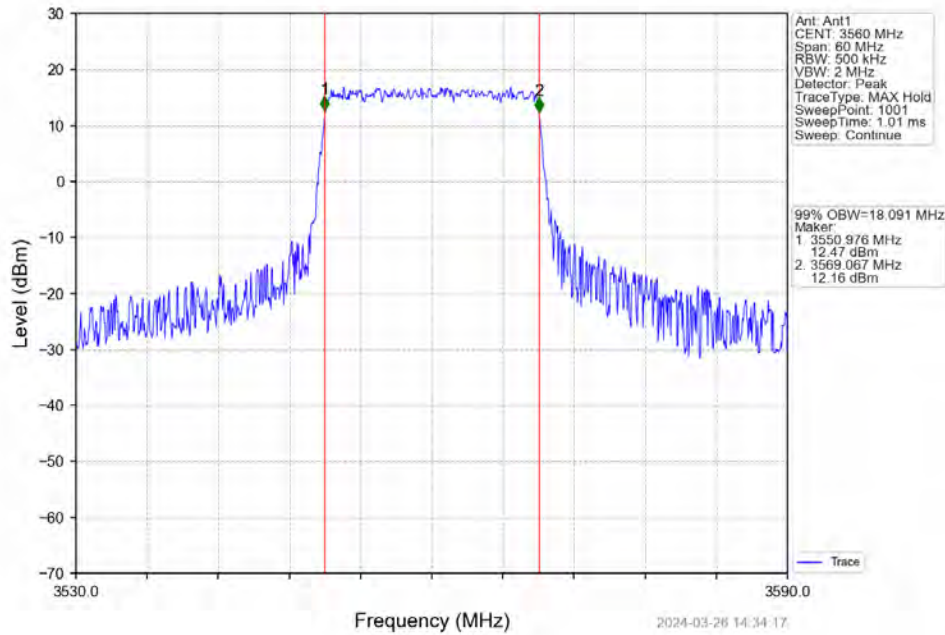


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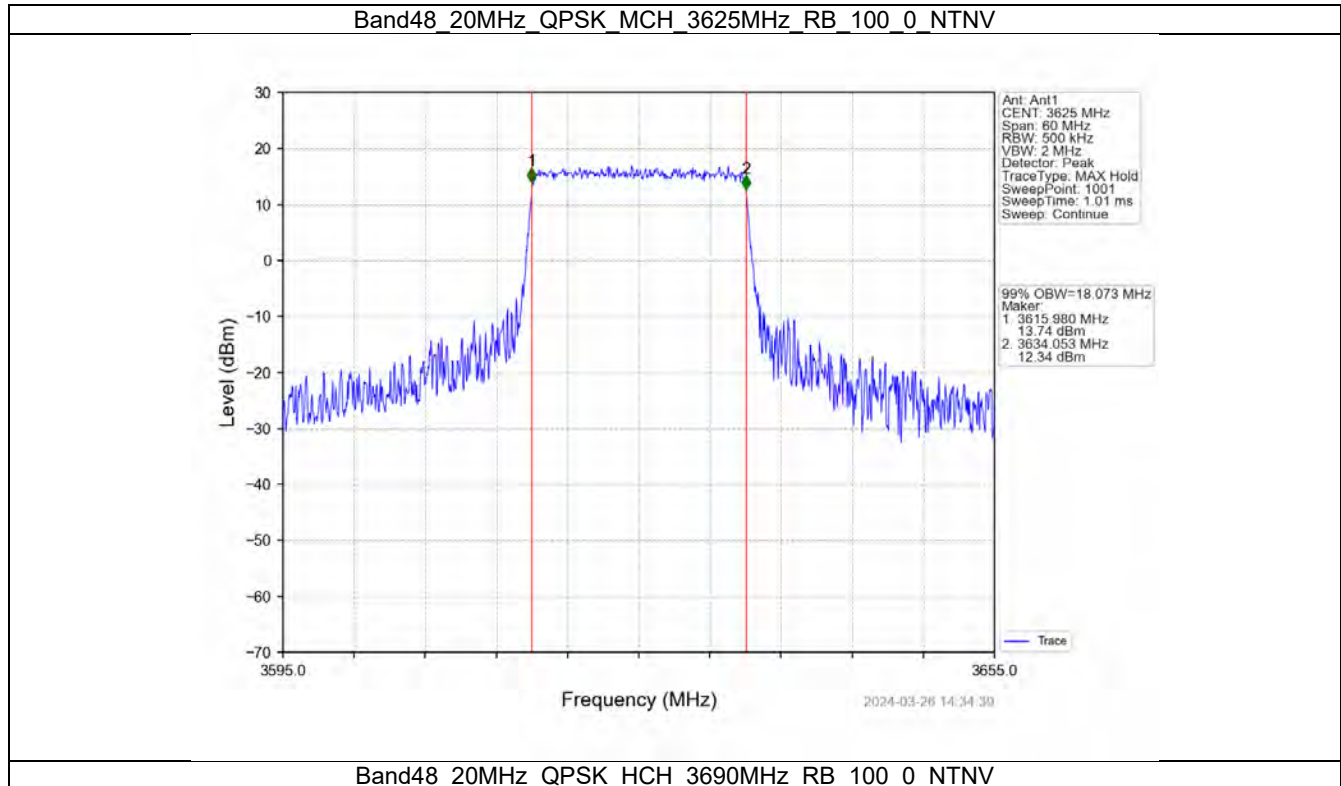


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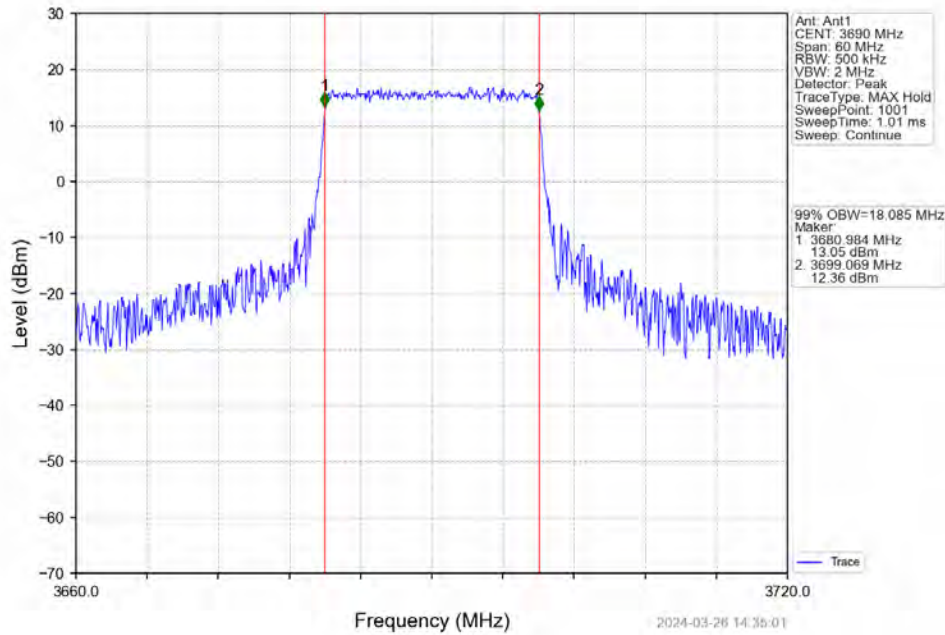


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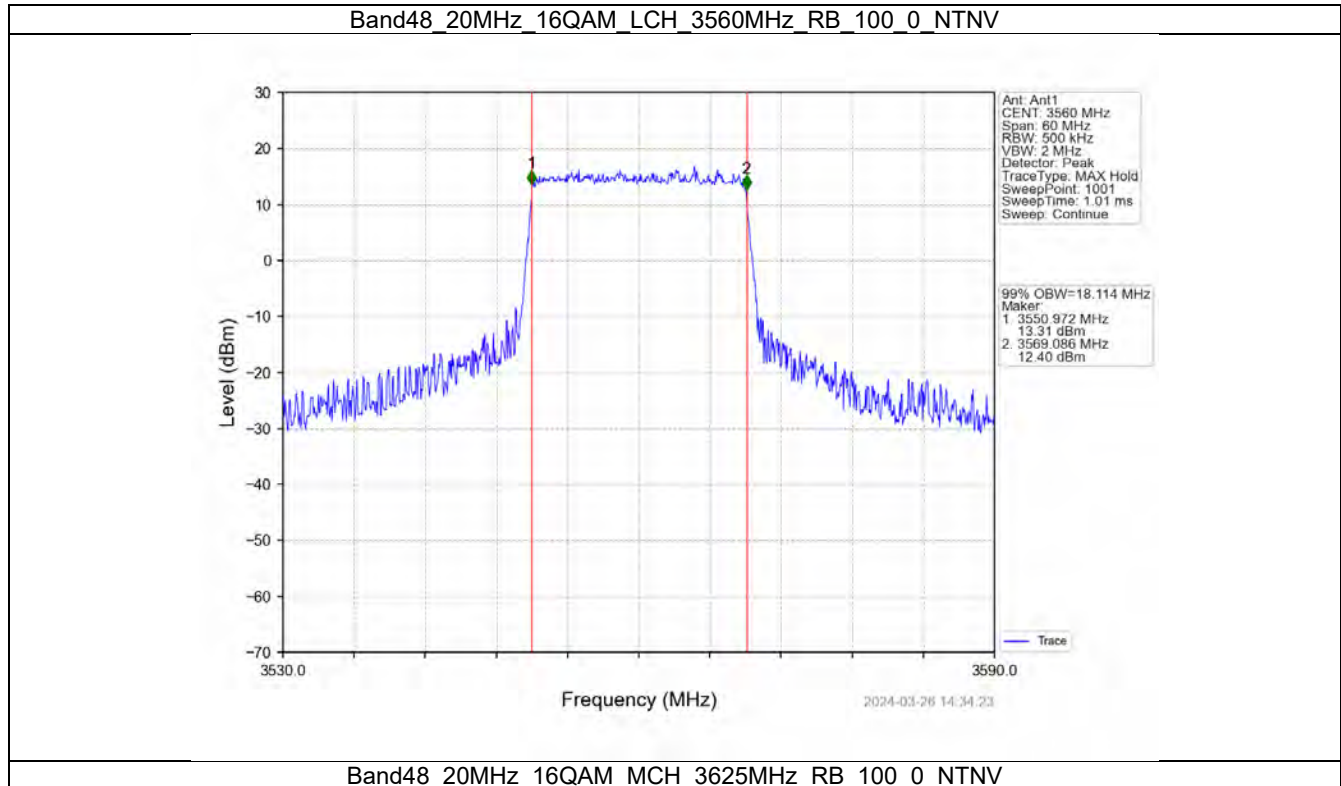


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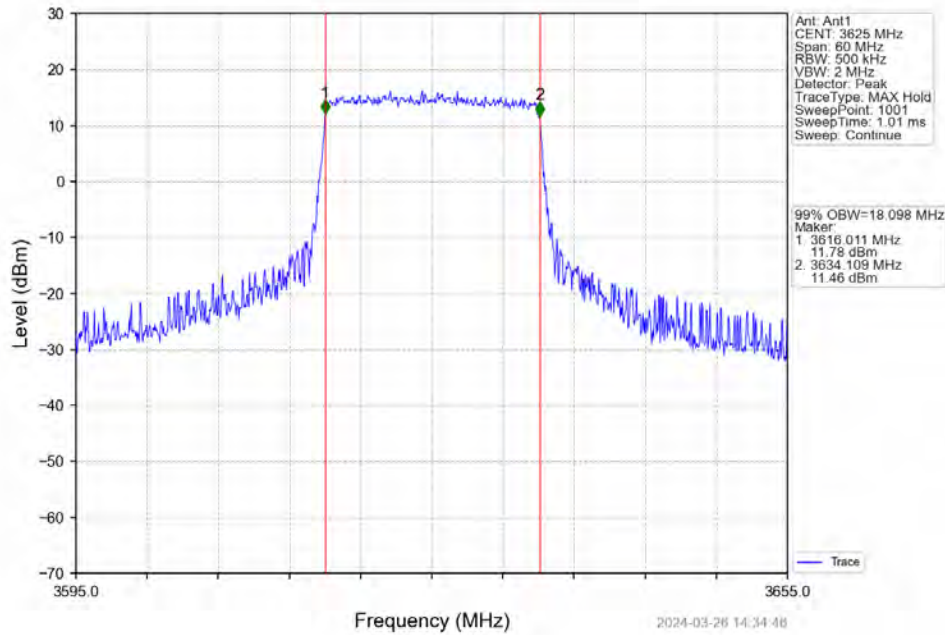


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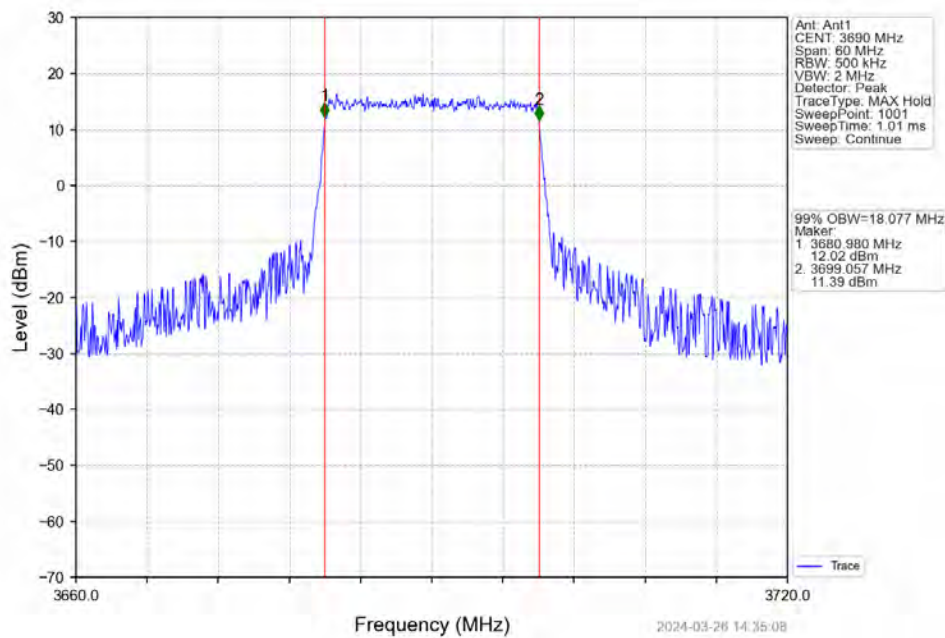
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Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV



Band48_20MHz_64QAM_LCH_3560MHz_RB_100_0_NTNV



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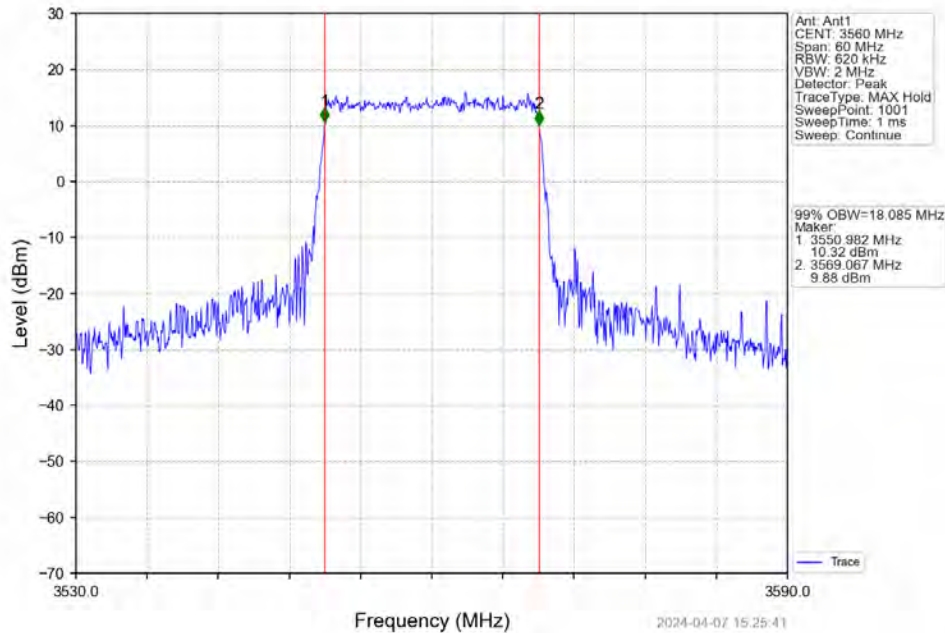


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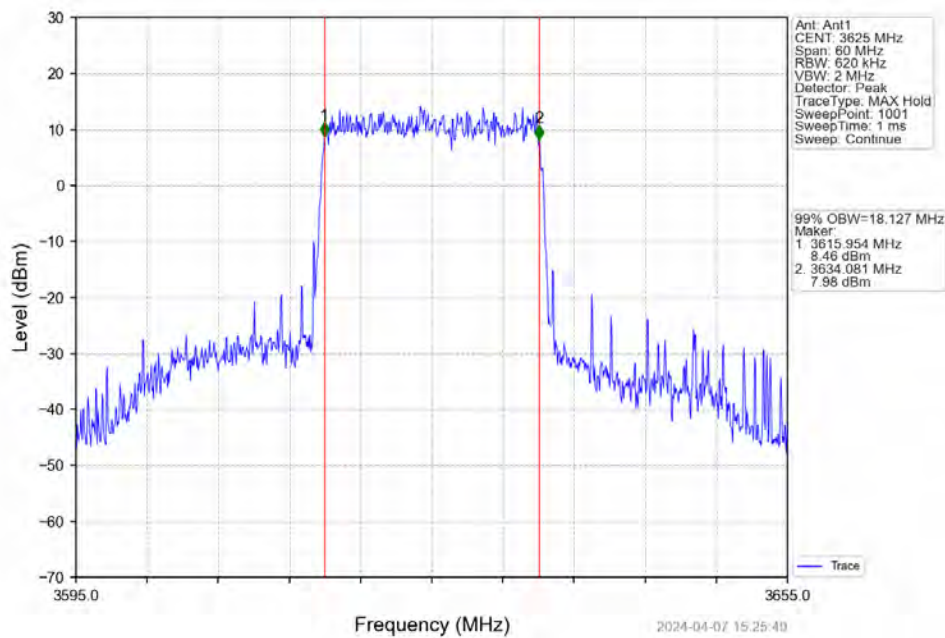
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Band48_20MHz_64QAM_MCH_3625MHz_RB_100_0_NTNV



Band48_20MHz_64QAM_HCH_3690MHz_RB_100_0_NTNV



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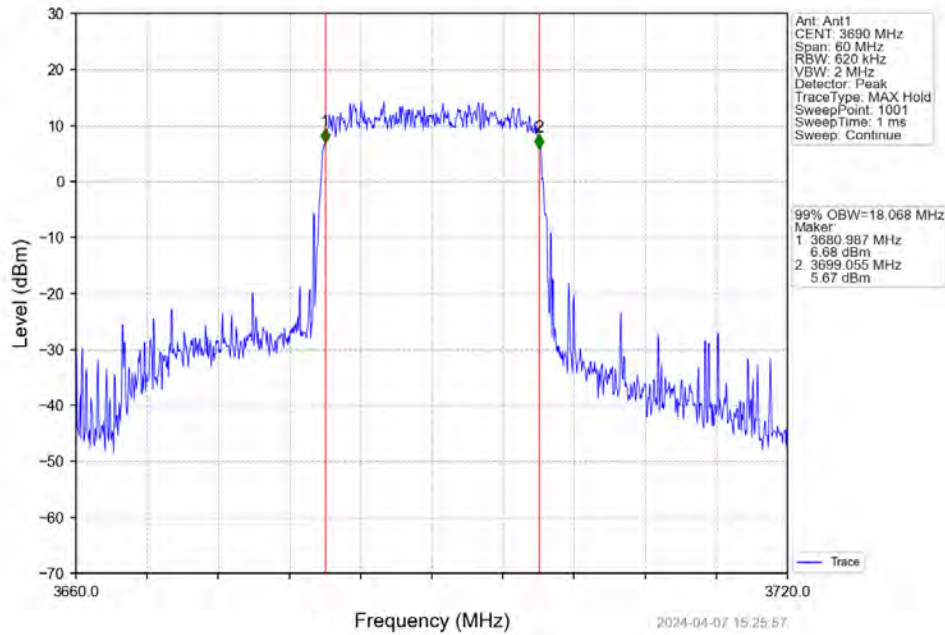


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3.2 Band48_XDB

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	5.273	/	Pass
		3625	25	0	5.399	/	Pass
		3697.5	25	0	5.138	/	Pass
	16QAM	3552.5	25	0	5.118	/	Pass
		3625	25	0	5.368	/	Pass
		3697.5	25	0	5.145	/	Pass
	64QAM	3552.5	25	0	5.472	/	Pass
		3625	25	0	4.912	/	Pass
		3697.5	25	0	5.051	/	Pass
10	QPSK	3555	50	0	10.796	/	Pass
		3625	50	0	10.269	/	Pass
		3695	50	0	9.960	/	Pass
	16QAM	3555	50	0	10.191	/	Pass
		3625	50	0	11.088	/	Pass
		3695	50	0	9.936	/	Pass
	64QAM	3555	50	0	11.146	/	Pass
		3625	50	0	9.749	/	Pass
		3695	50	0	9.807	/	Pass
15	QPSK	3557.5	75	0	15.704	/	Pass
		3625	75	0	15.202	/	Pass
		3692.5	75	0	15.368	/	Pass
	16QAM	3557.5	75	0	15.129	/	Pass
		3625	75	0	15.011	/	Pass
		3692.5	75	0	14.987	/	Pass
	64QAM	3557.5	75	0	15.467	/	Pass
		3625	75	0	14.627	/	Pass
		3692.5	75	0	14.532	/	Pass
20	QPSK	3560	100	0	21.062	/	Pass
		3625	100	0	21.343	/	Pass
		3690	100	0	22.202	/	Pass
	16QAM	3560	100	0	20.381	/	Pass
		3625	100	0	20.273	/	Pass
		3690	100	0	20.983	/	Pass
	64QAM	3560	100	0	19.927	/	Pass
		3625	100	0	19.624	/	Pass
		3690	100	0	20.112	/	Pass



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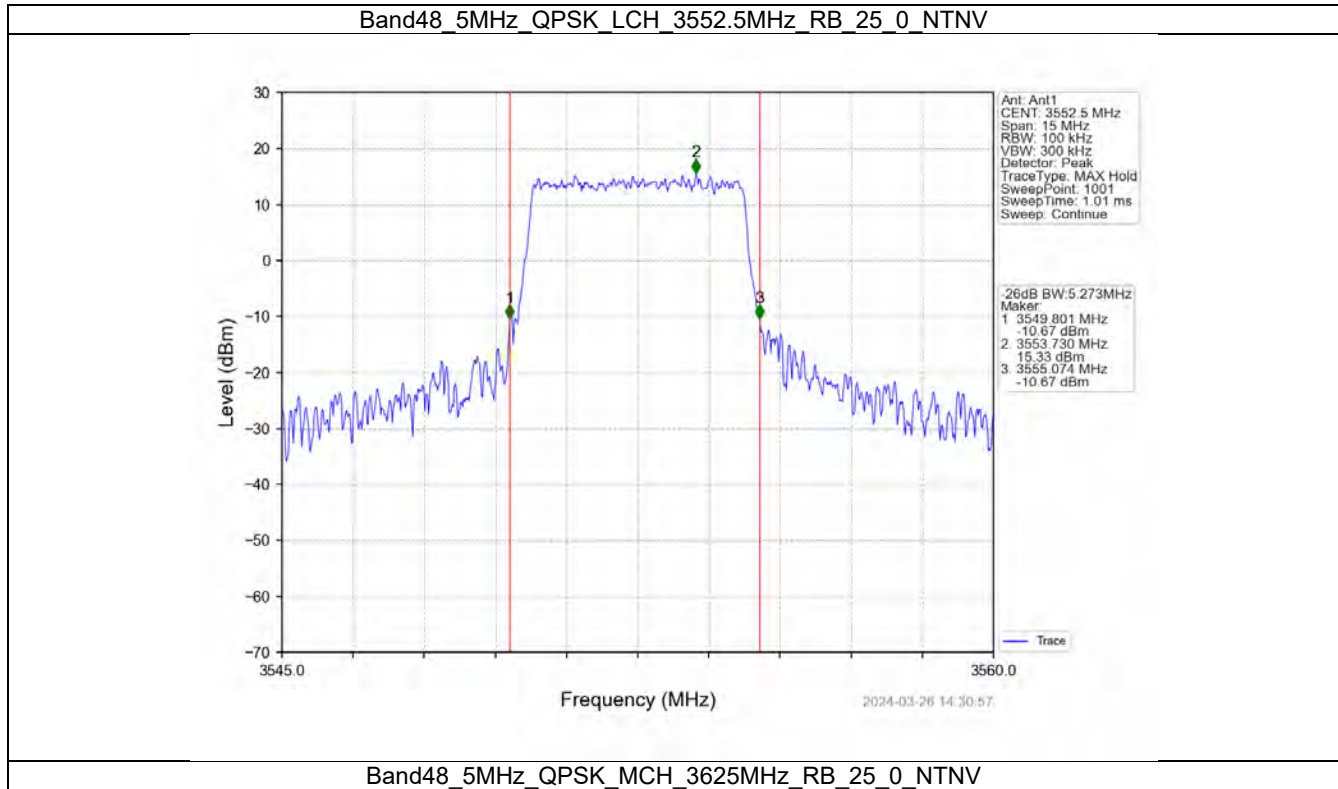
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3.2.2 Test Graph



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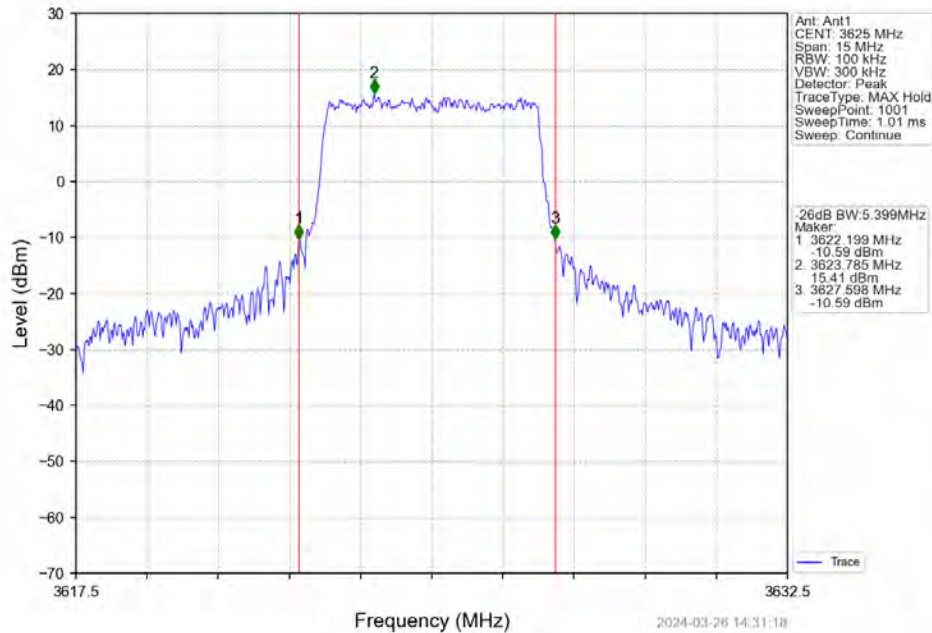


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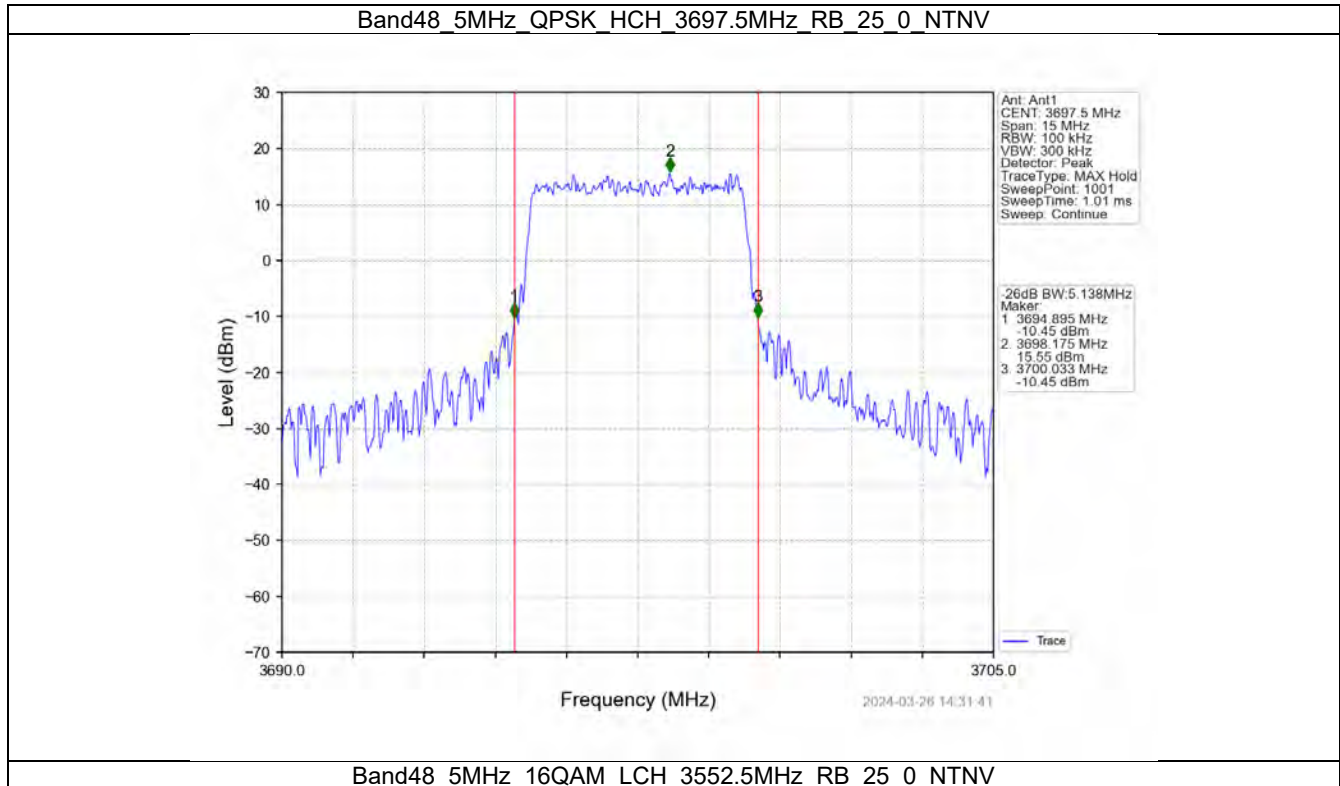


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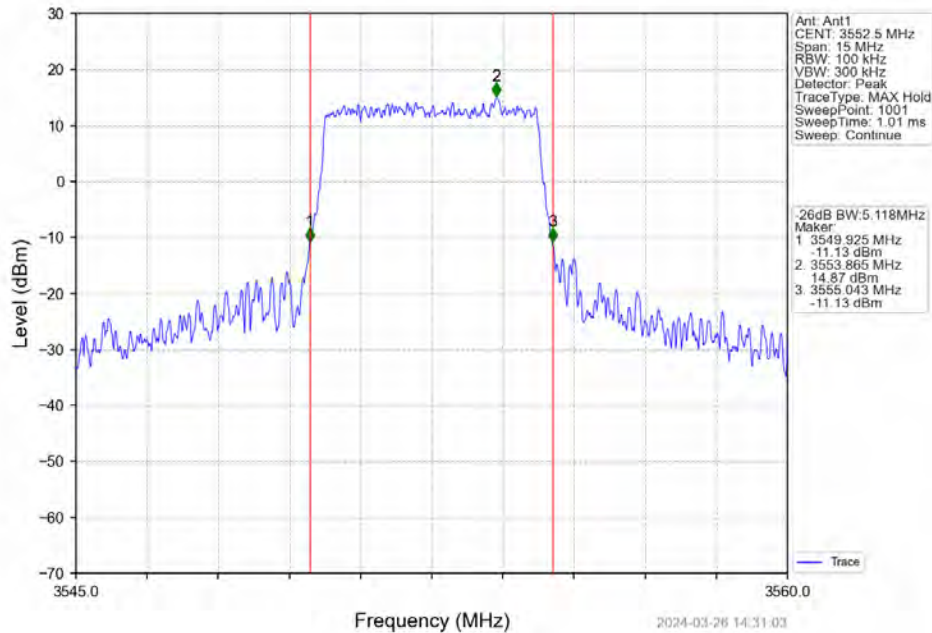


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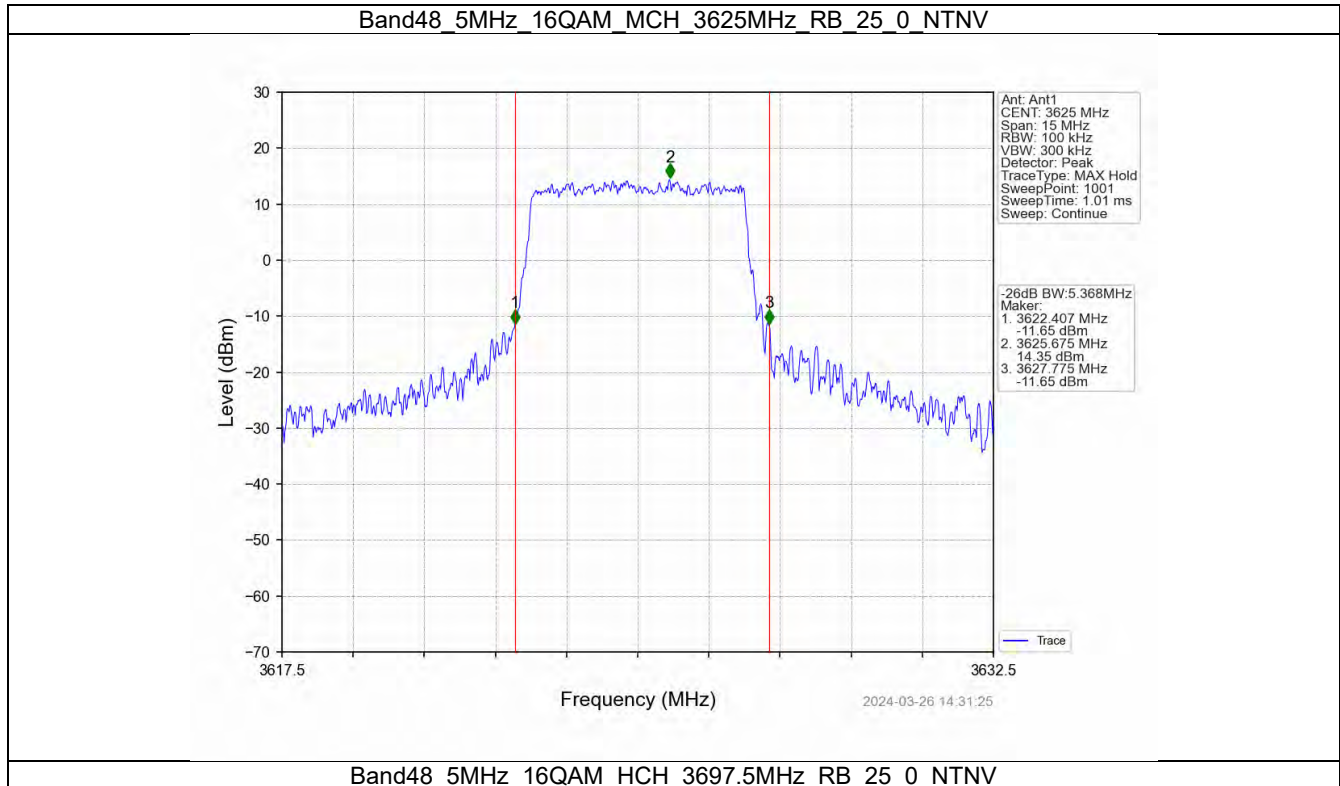


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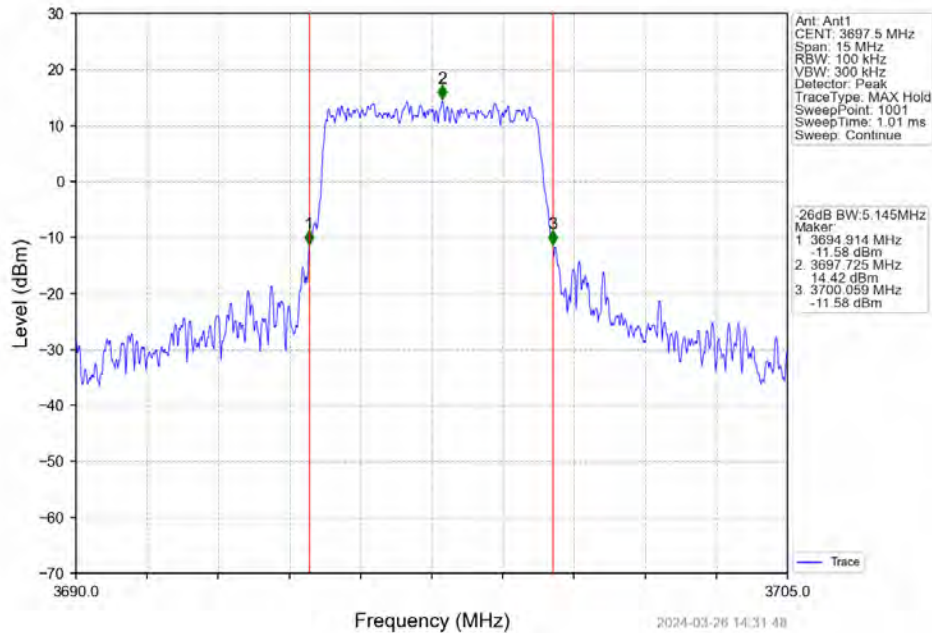


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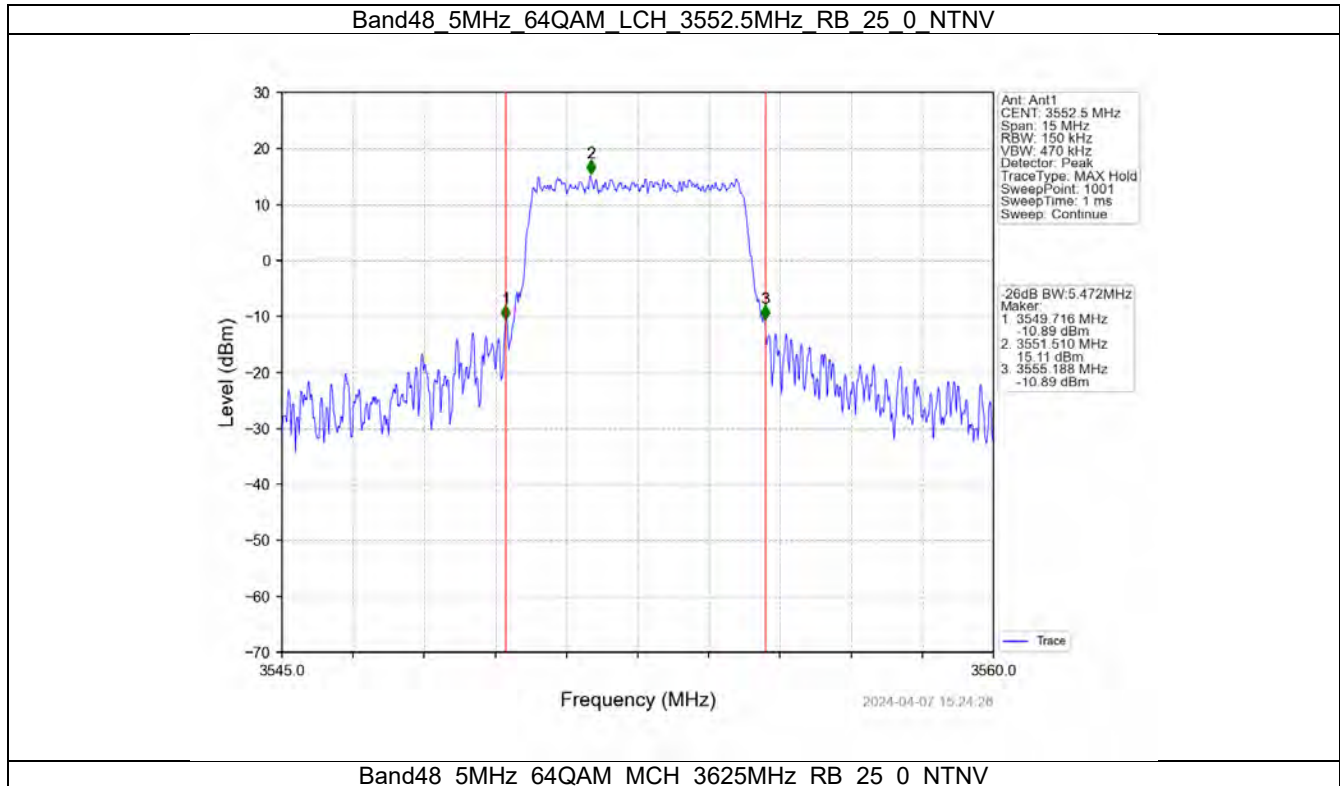


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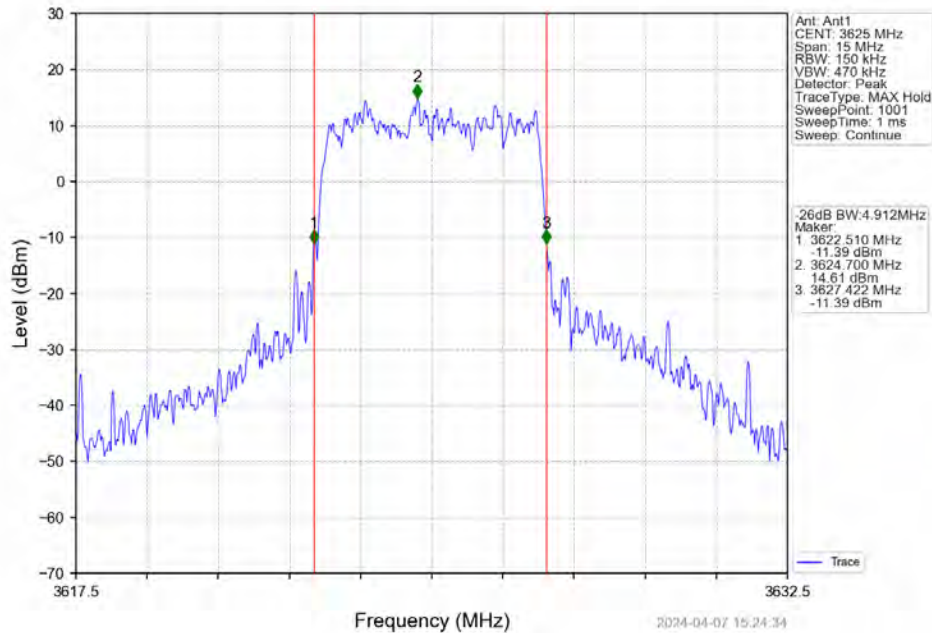


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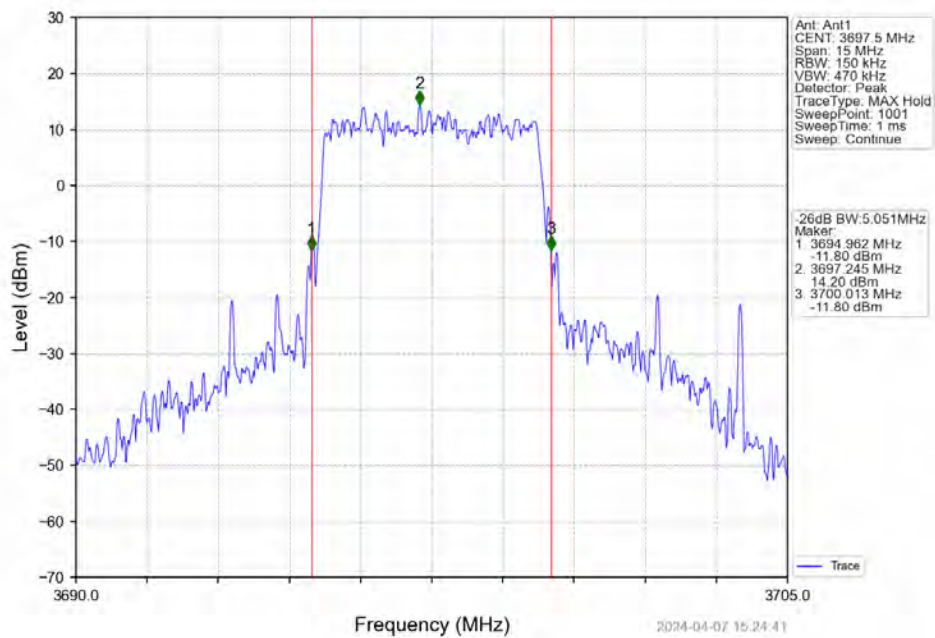
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Band48_5MHz_64QAM_HCH_3697.5MHz_RB_25_0_NTNV



Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV



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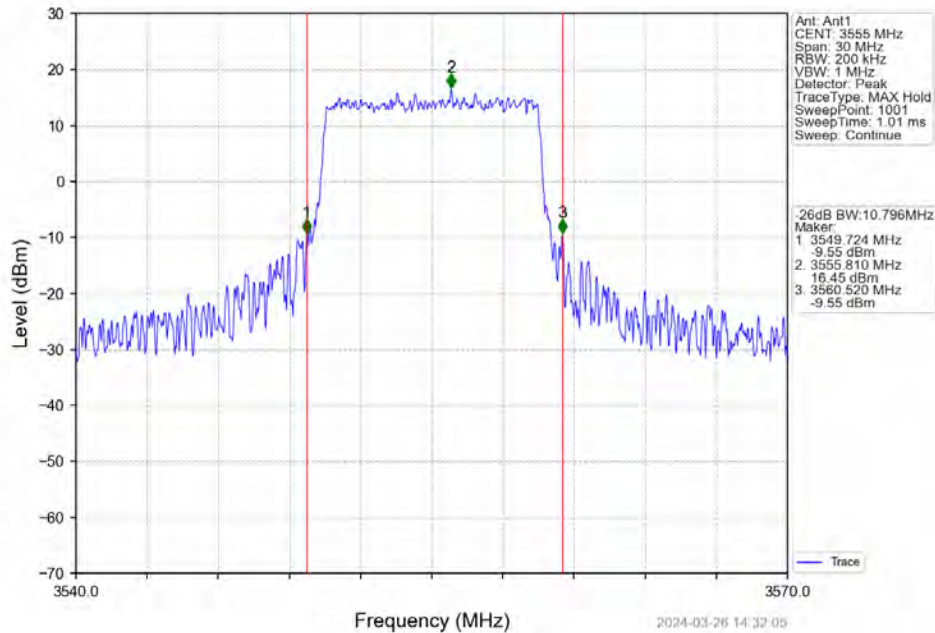


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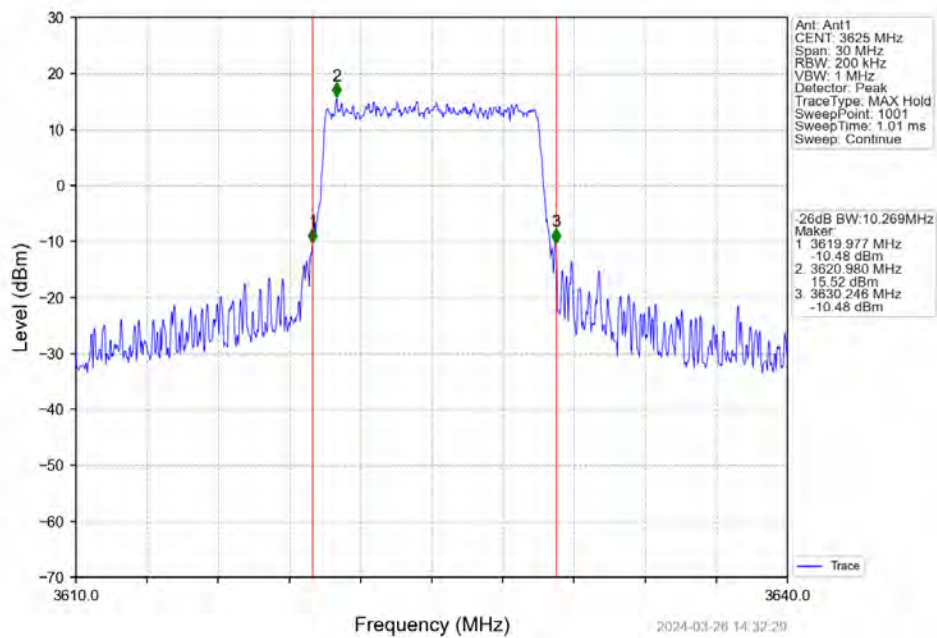
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Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



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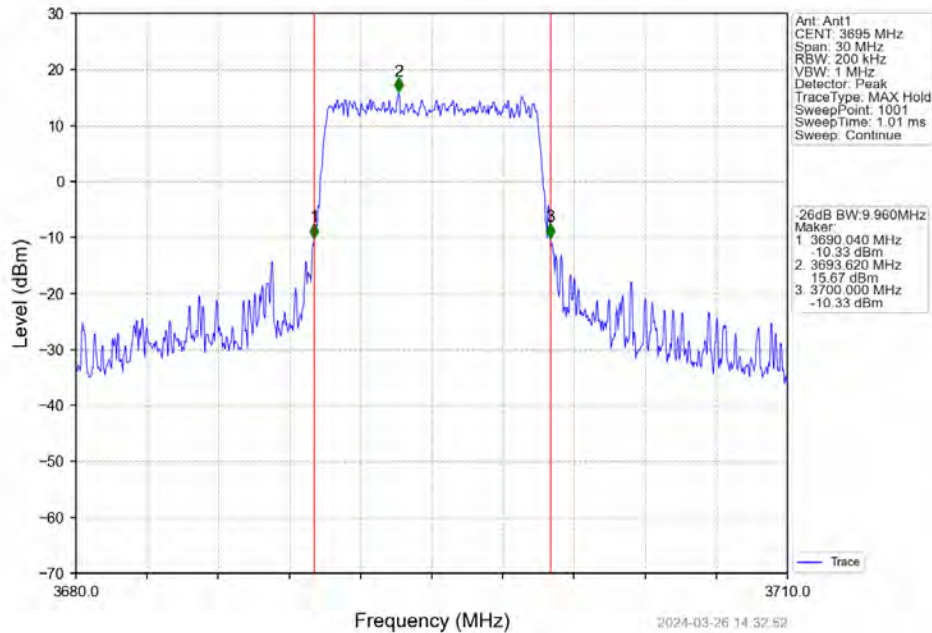


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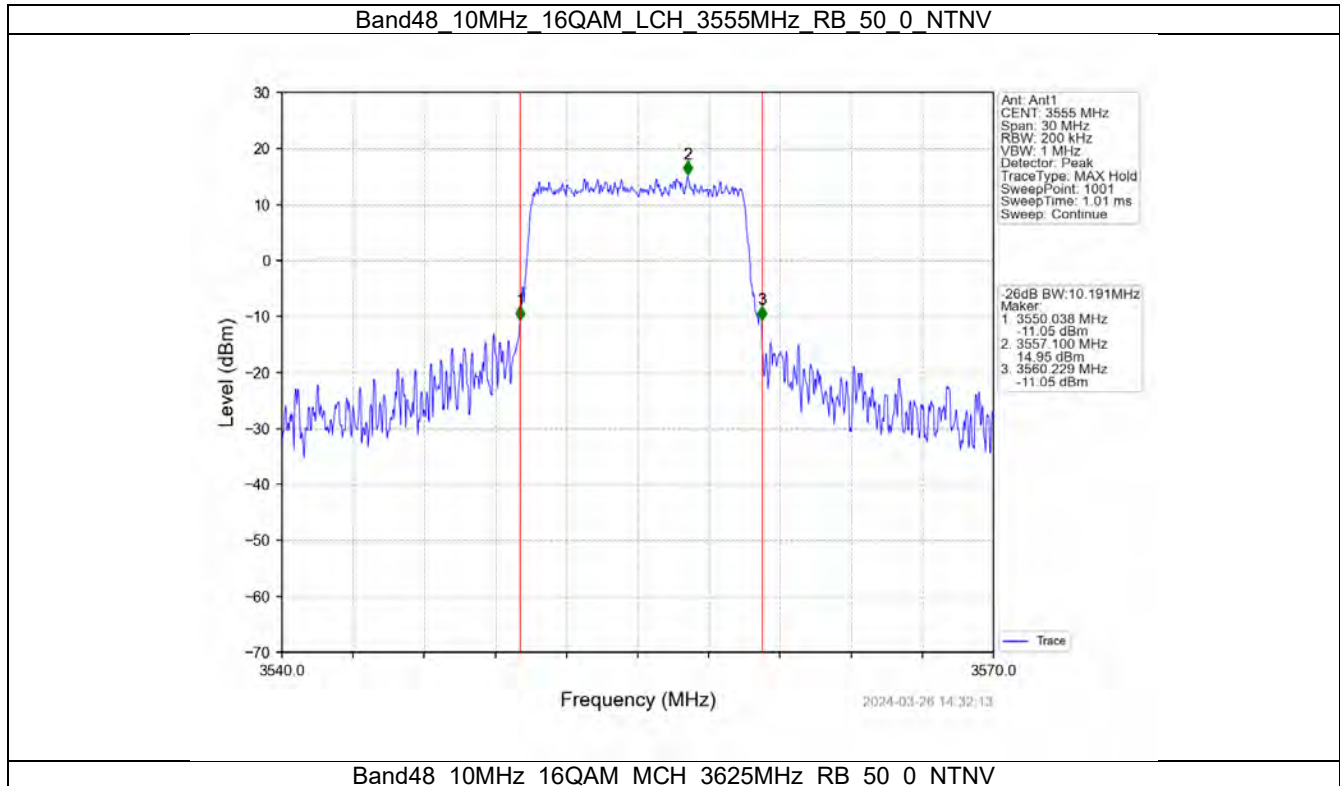


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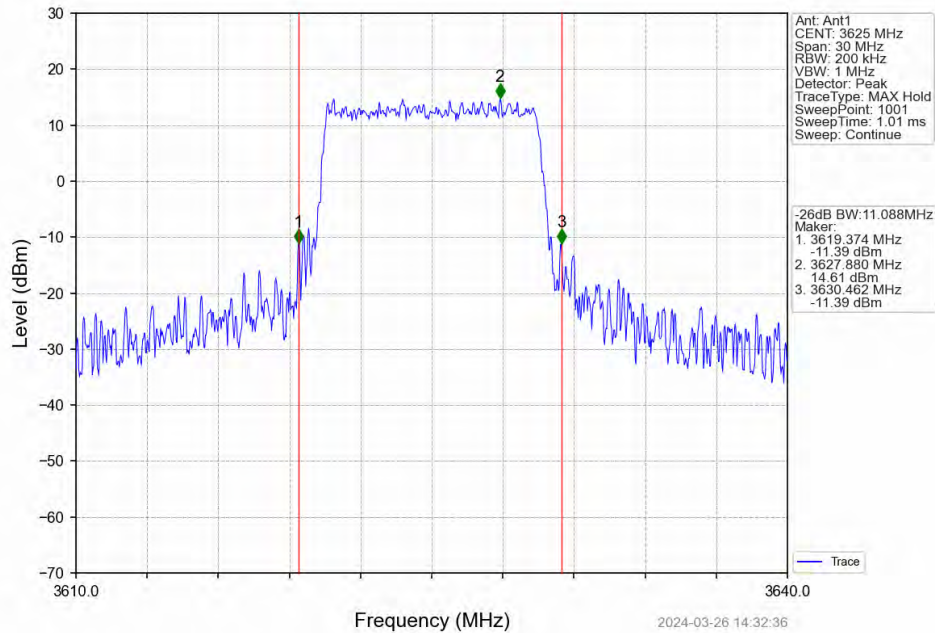


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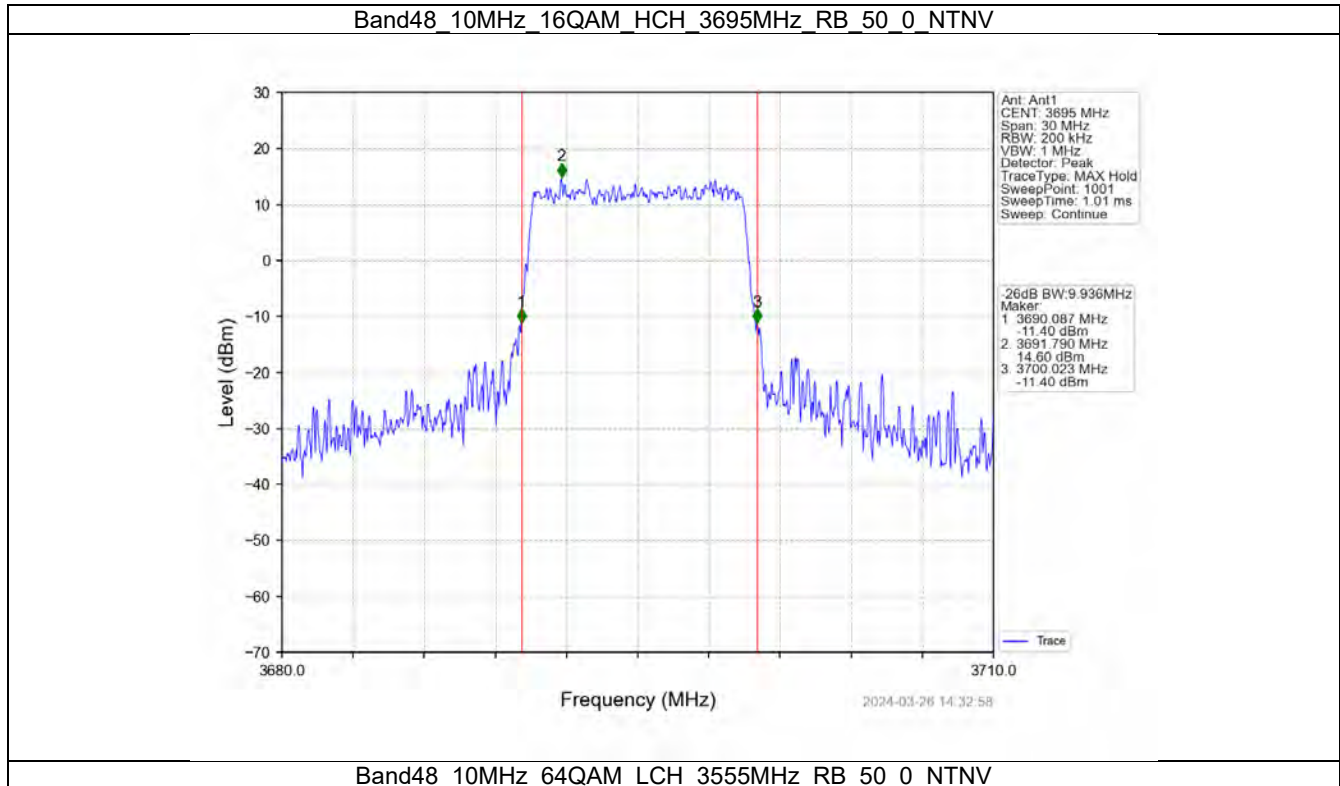


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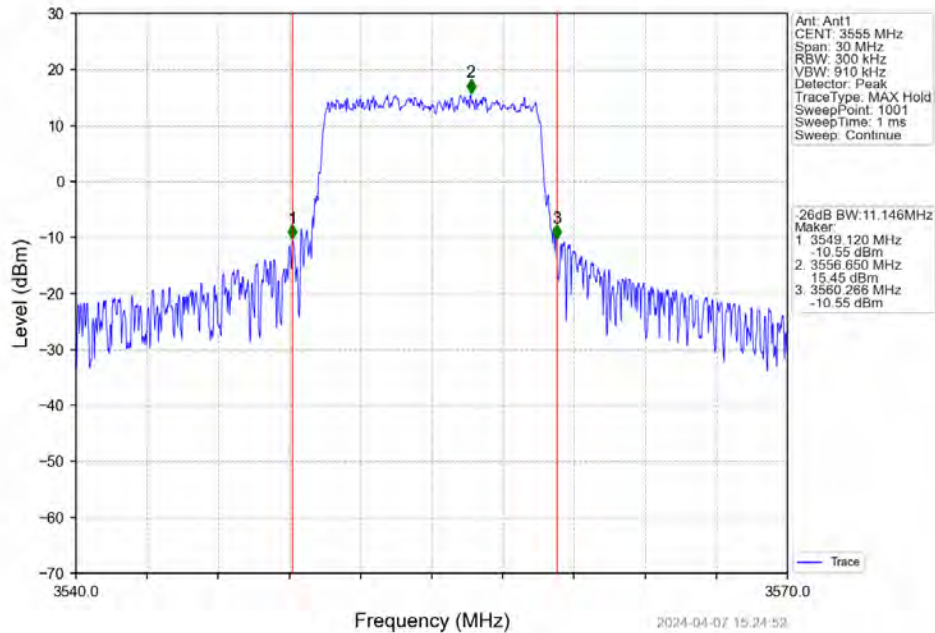


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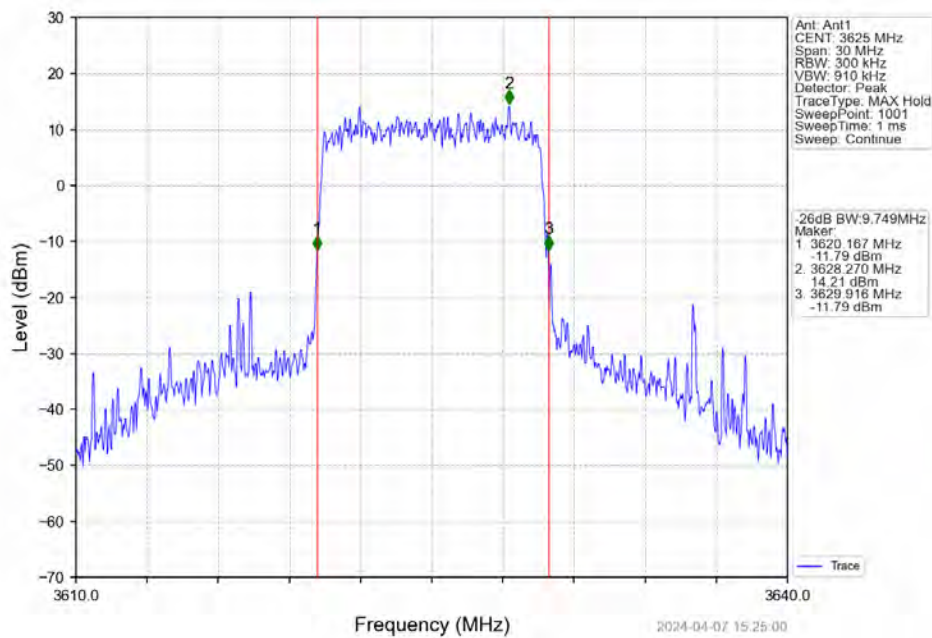
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Band48_10MHz_64QAM_HCH_3695MHz_RB_50_0_NTNV



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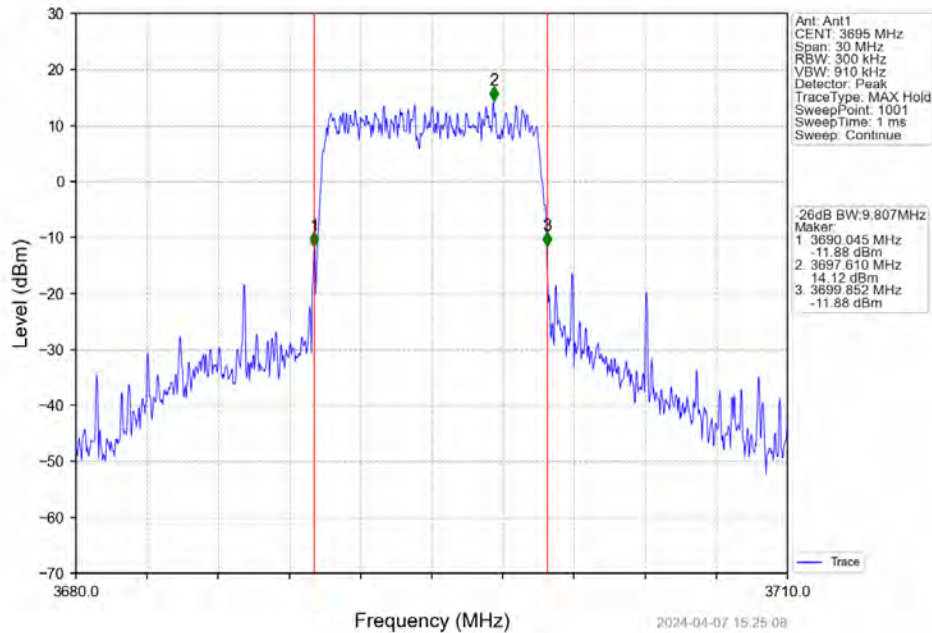


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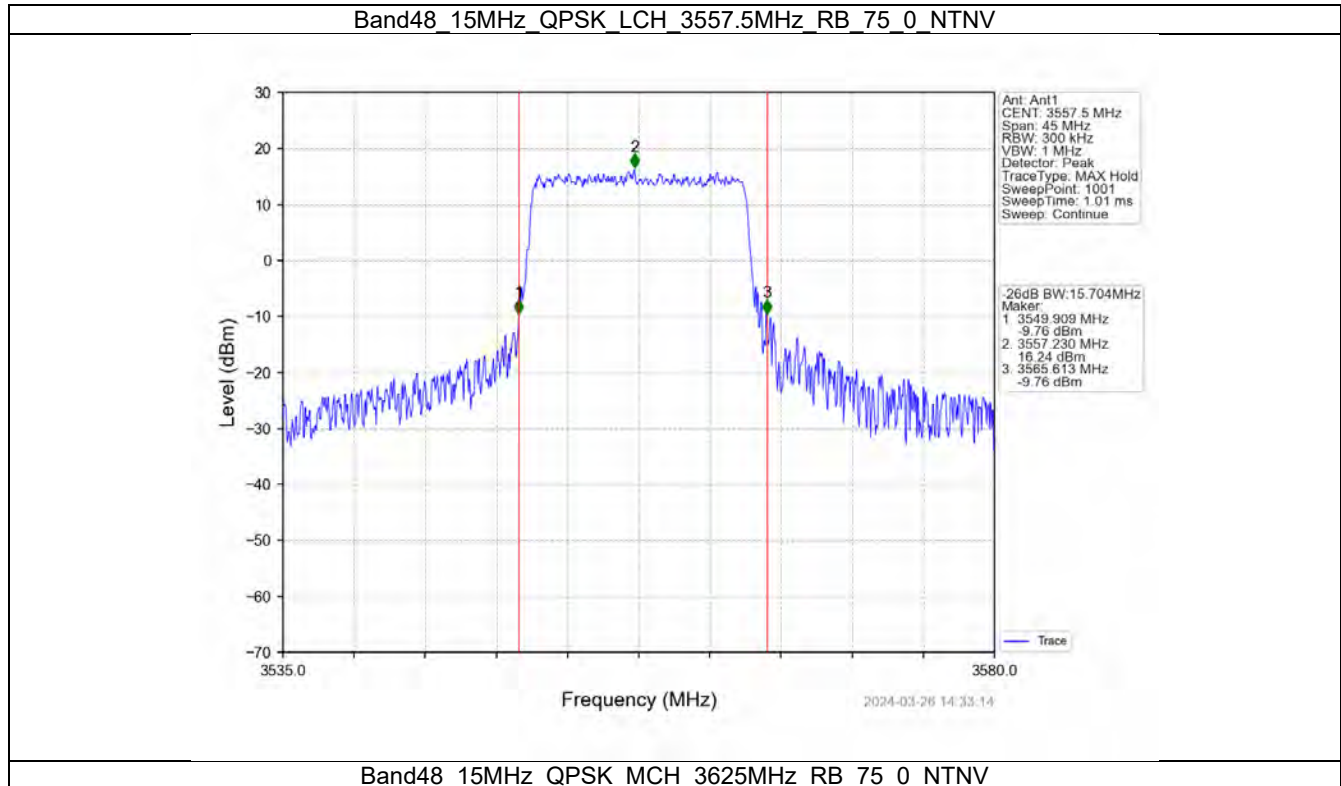


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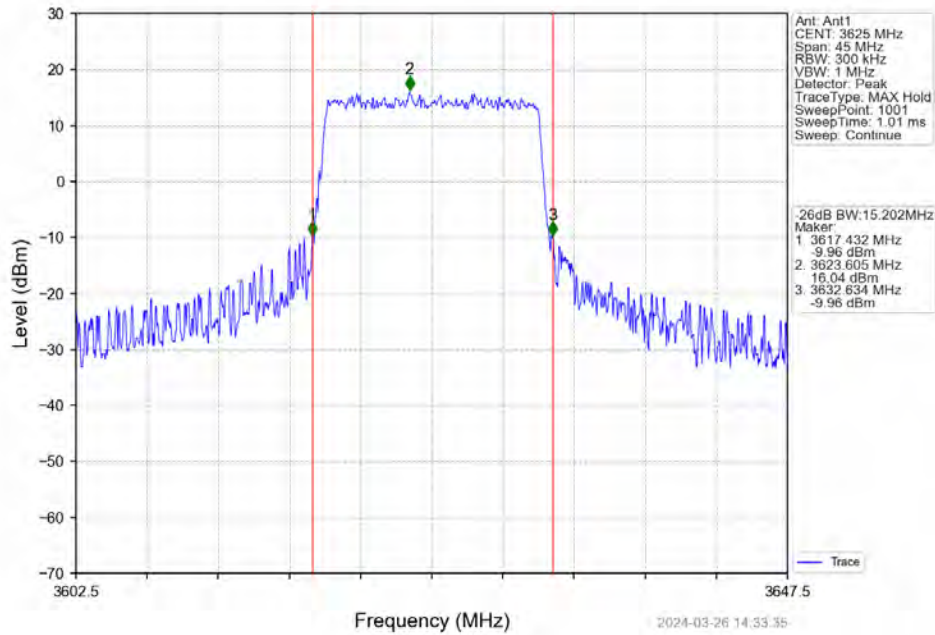


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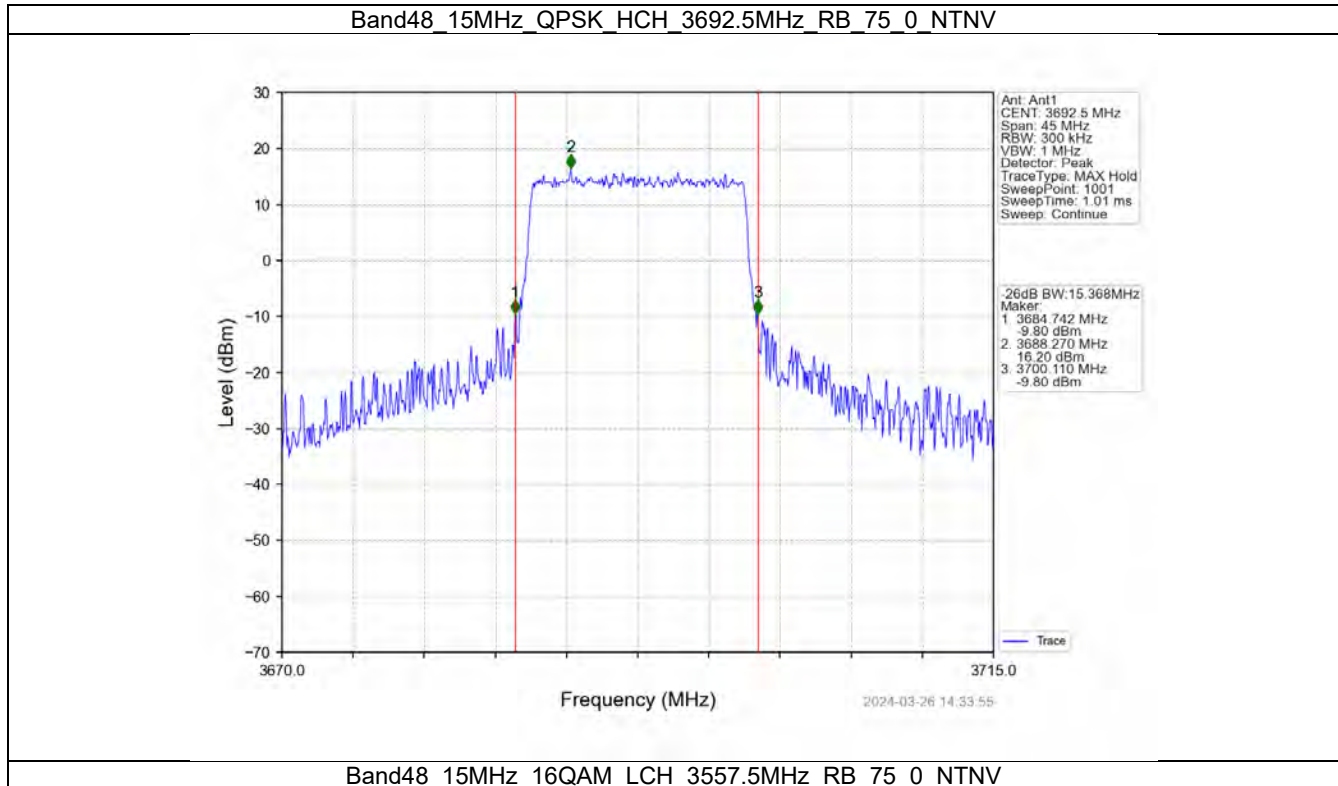


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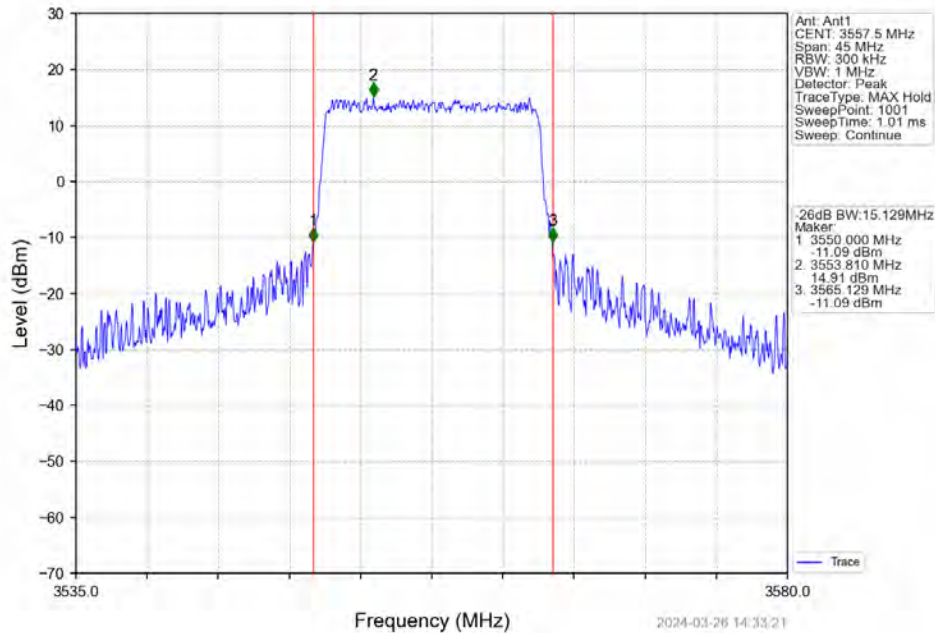


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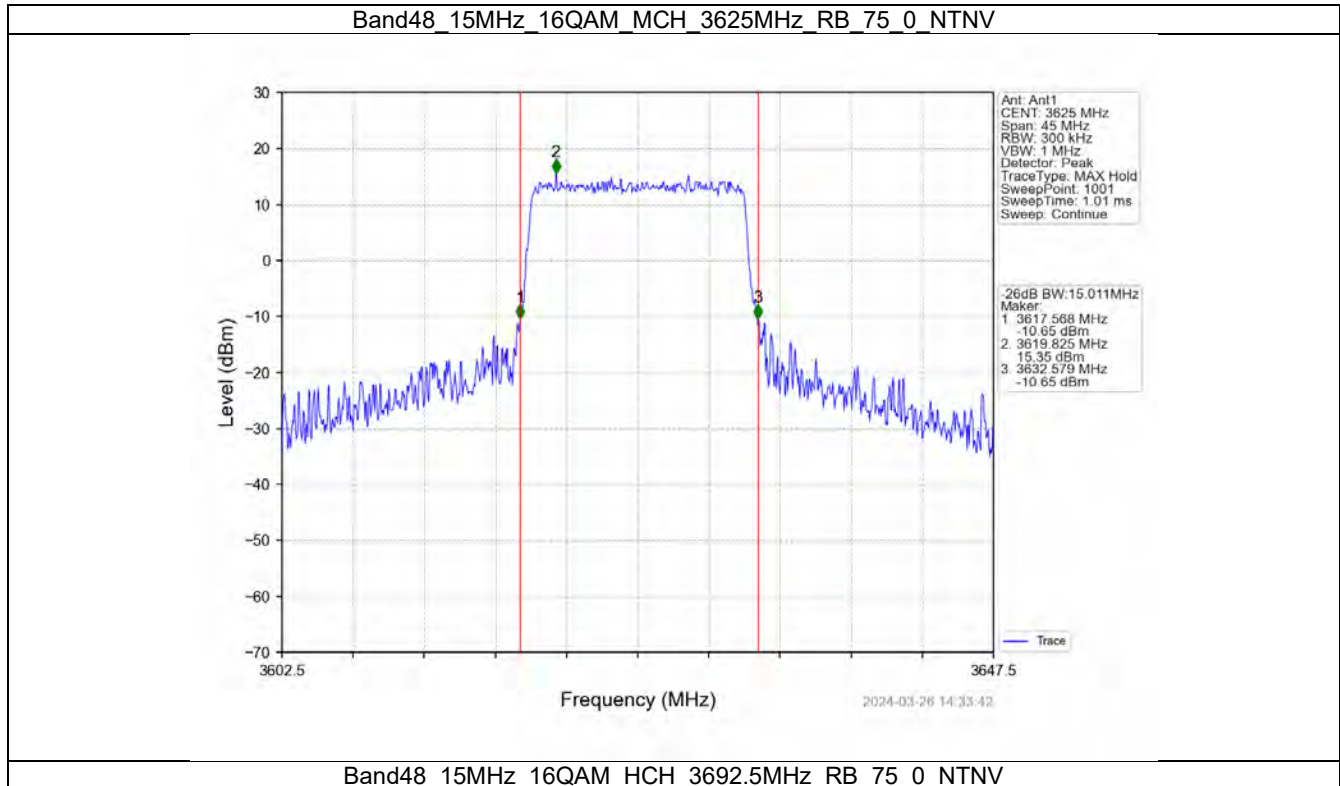


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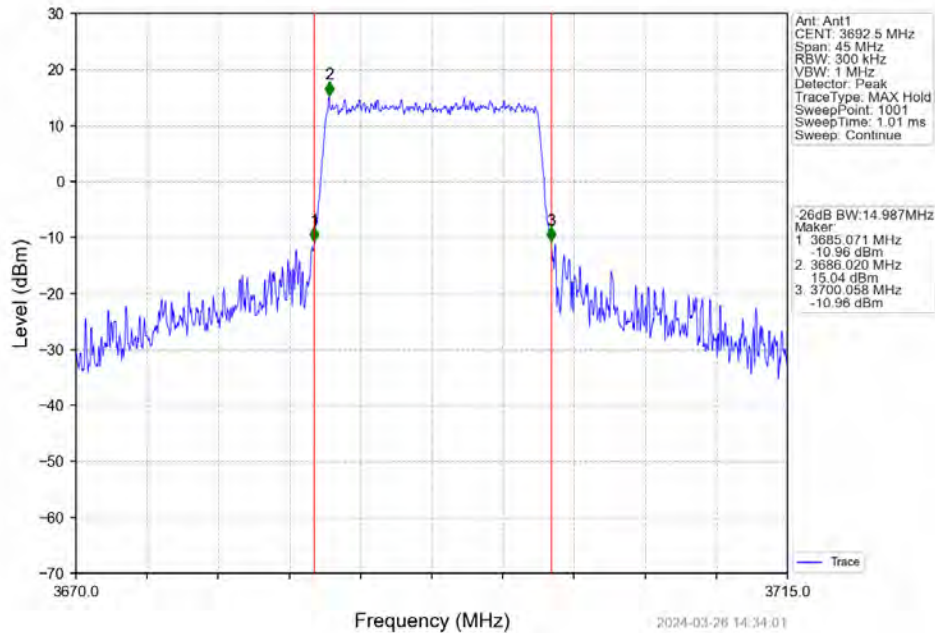


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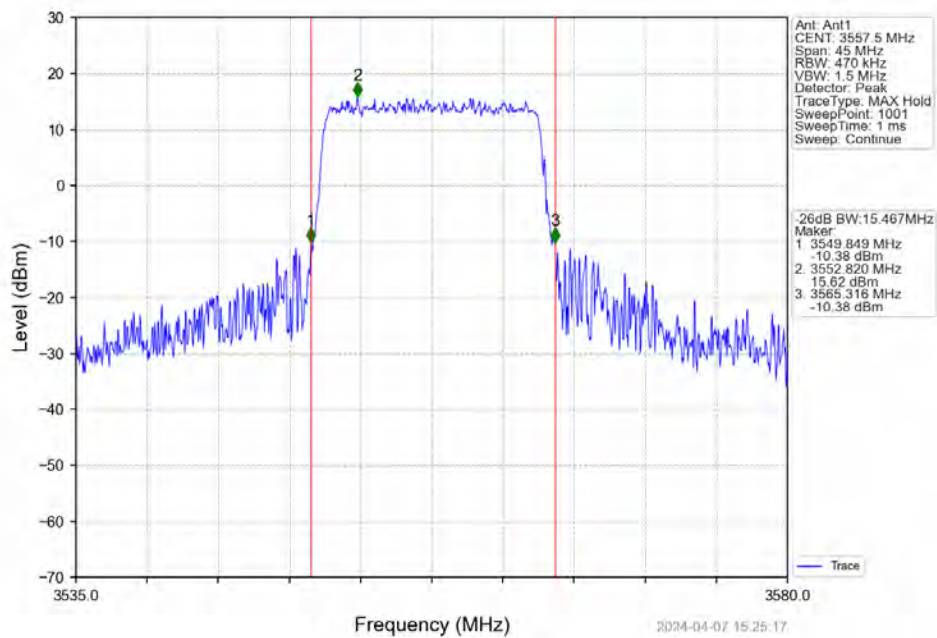
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Band48_15MHz_64QAM_MCH_3625MHz_RB_75_0_NTNV



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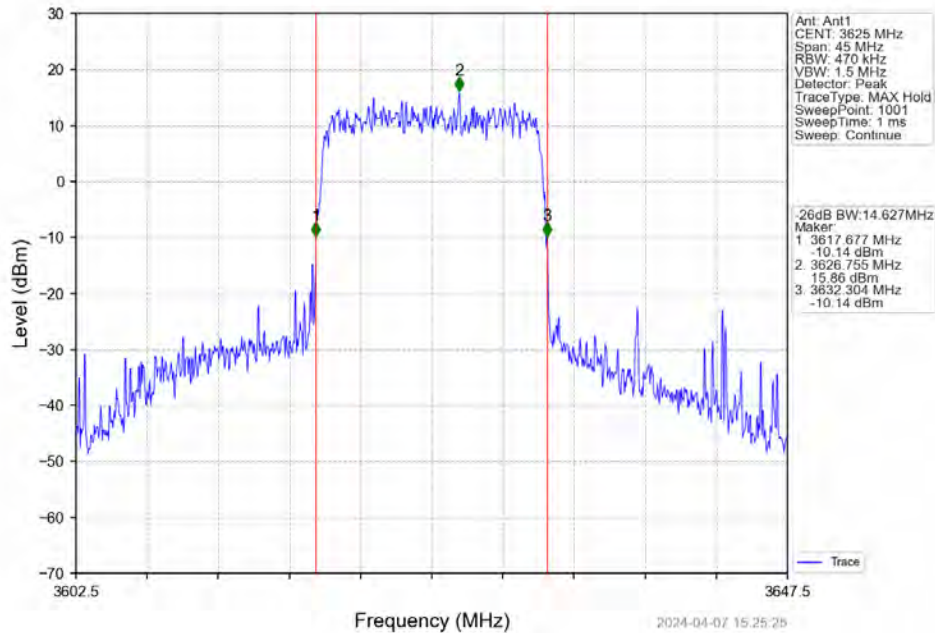


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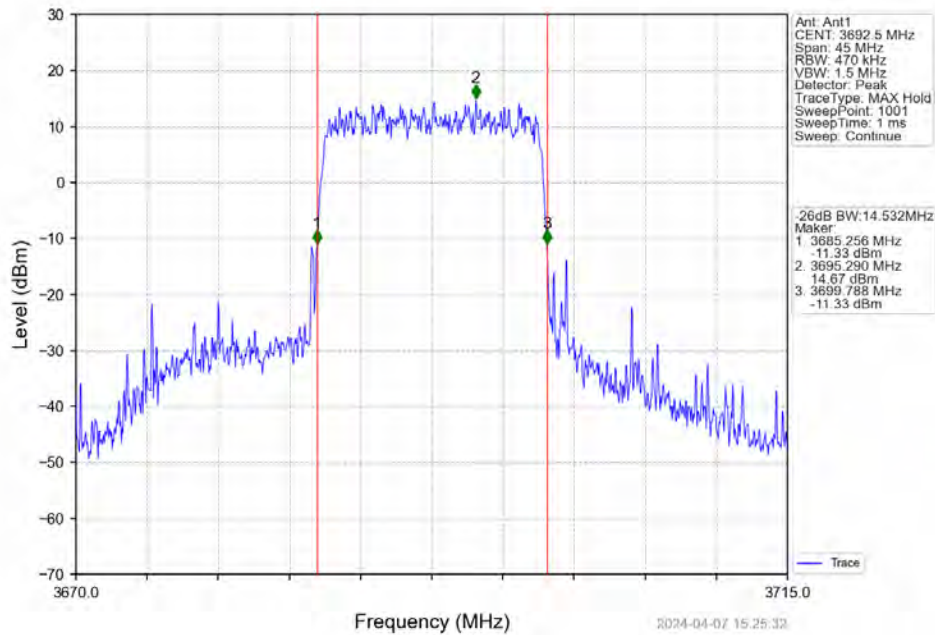
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Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV



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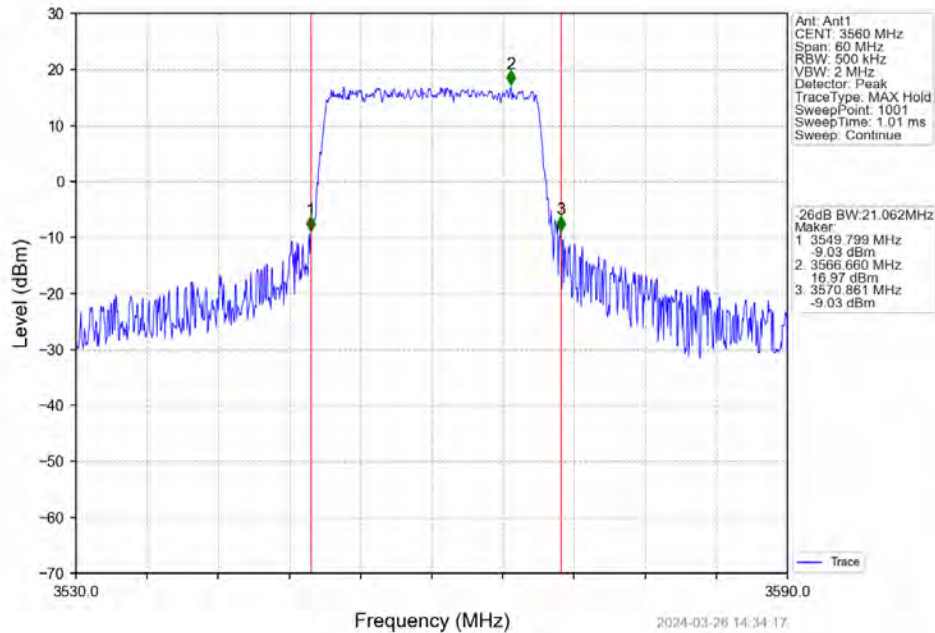


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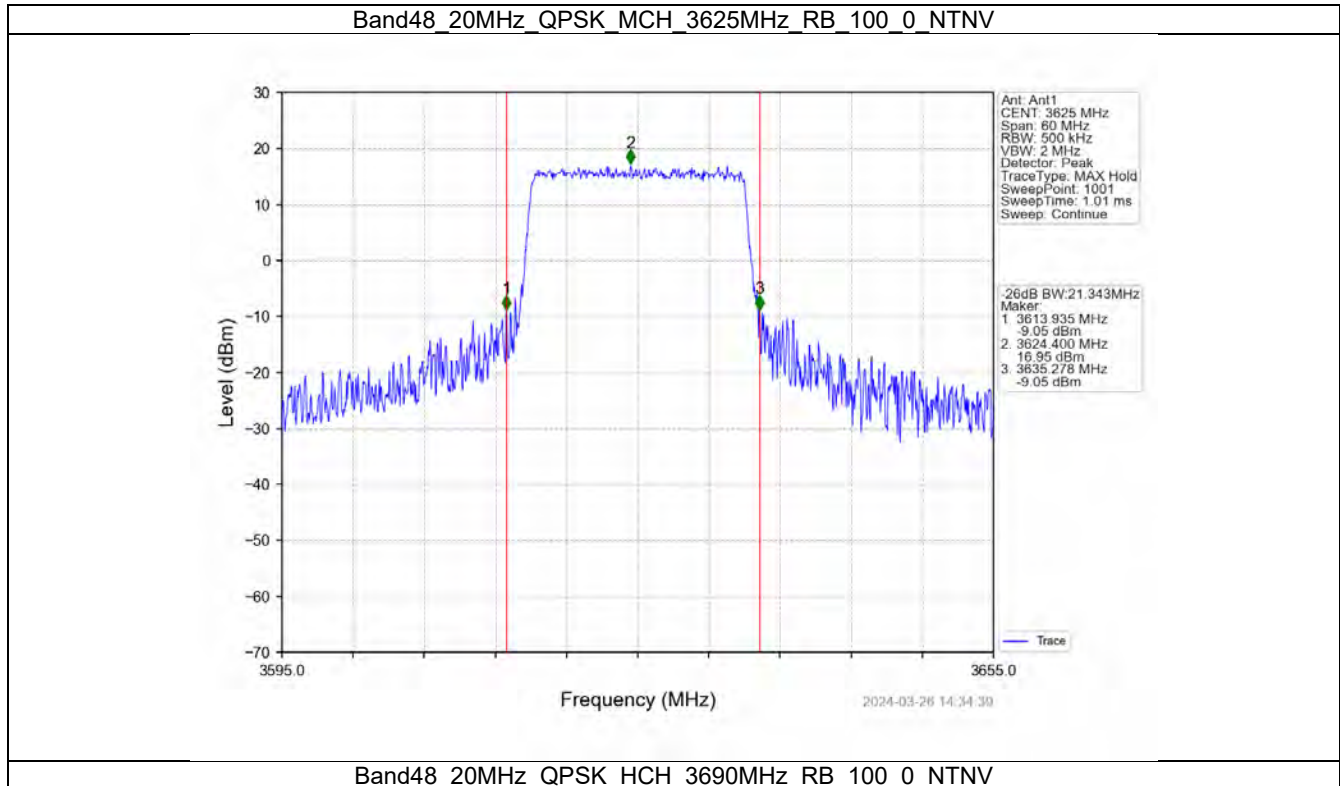


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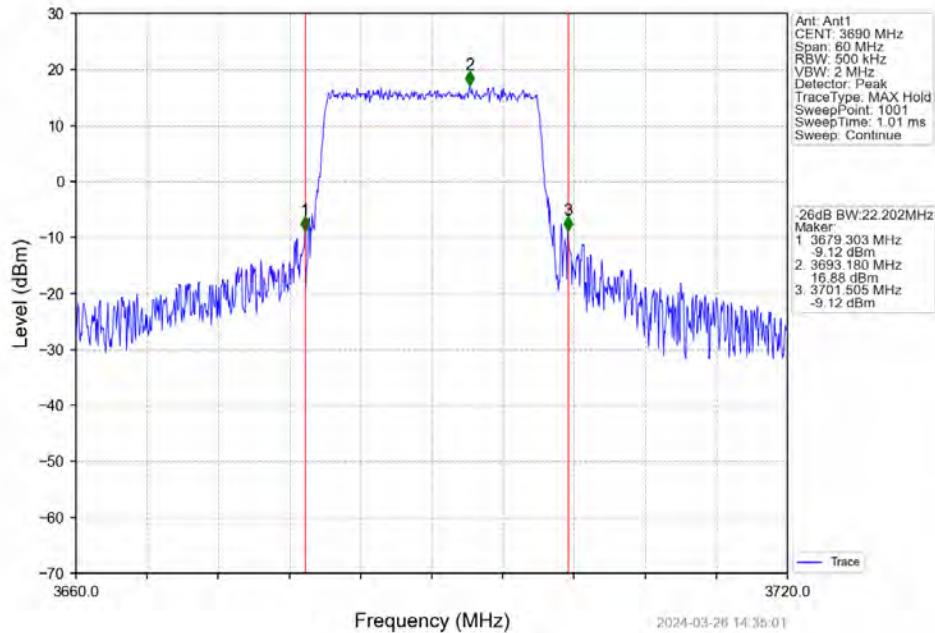


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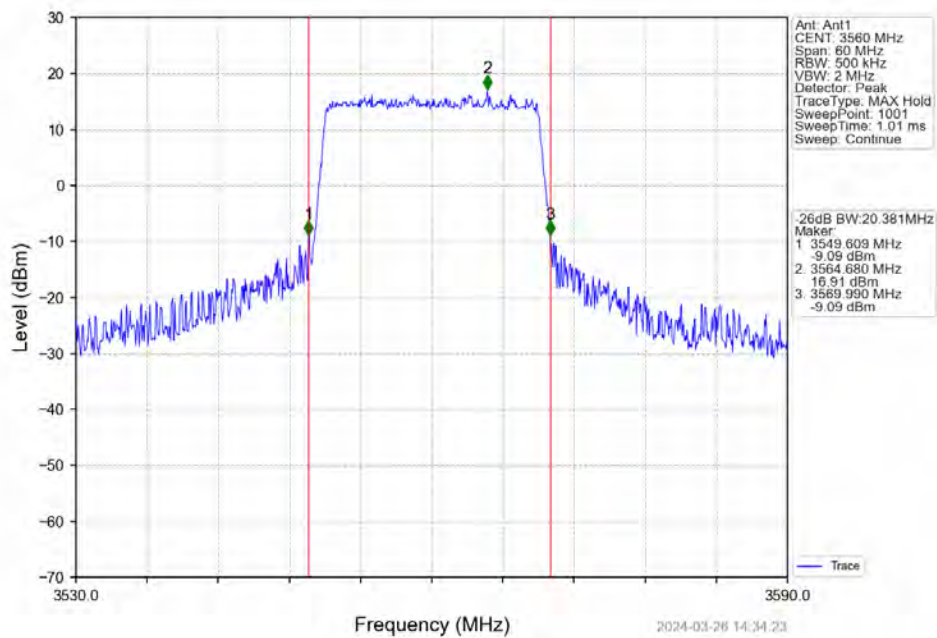
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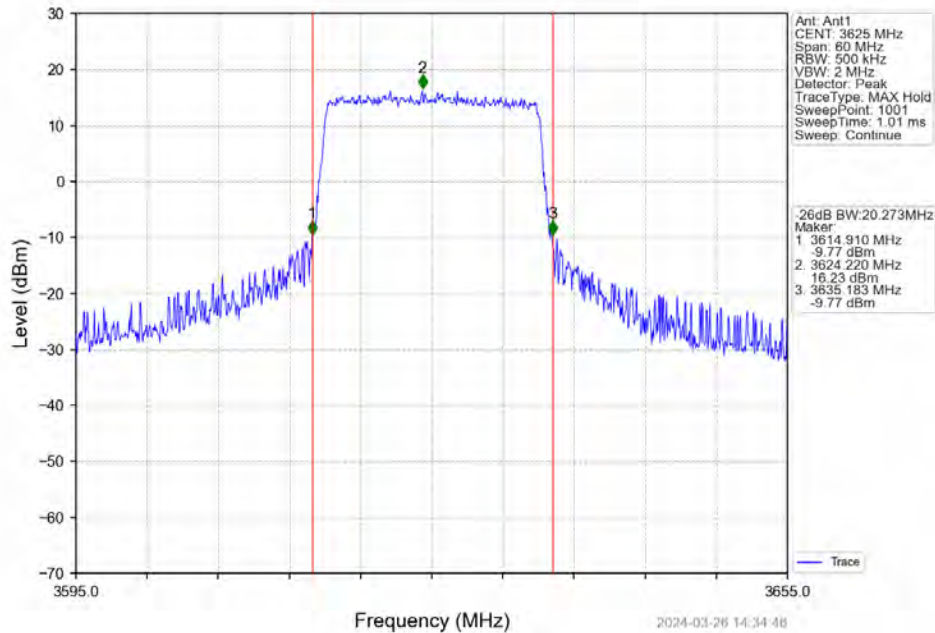


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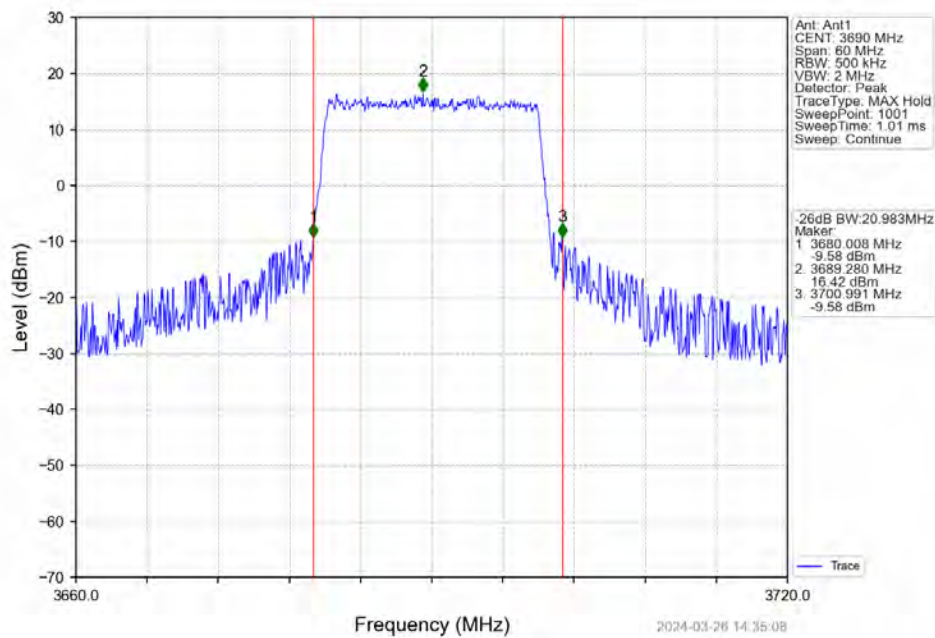
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Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV



Band48_20MHz_64QAM_LCH_3560MHz_RB_100_0_NTNV



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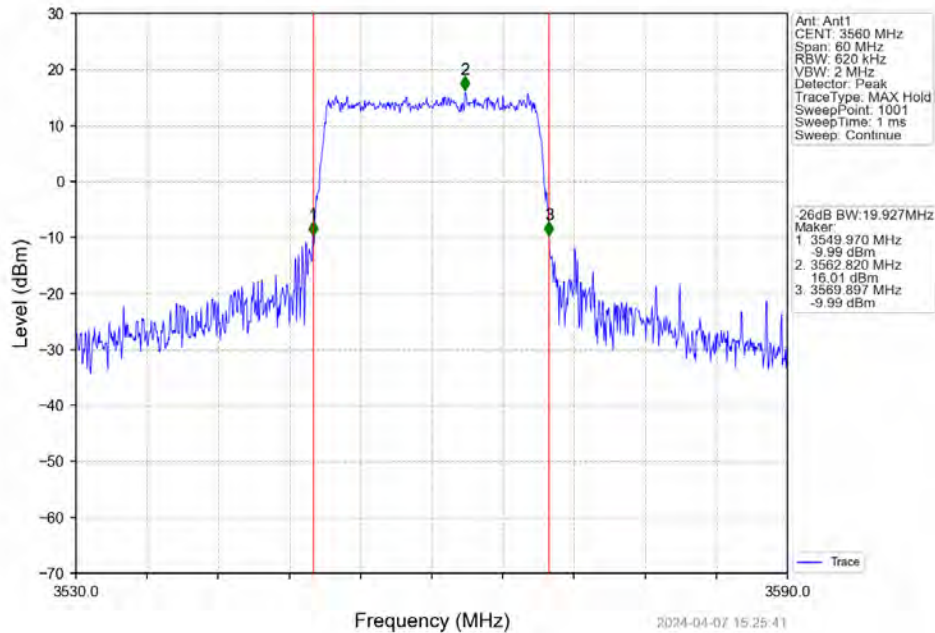


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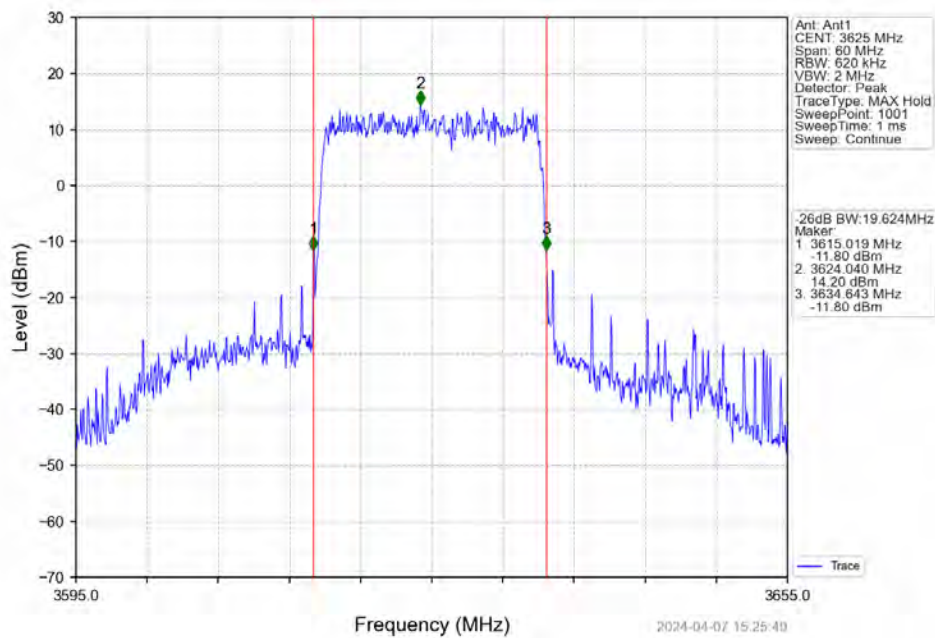
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Band48_20MHz_64QAM_MCH_3625MHz_RB_100_0_NTNV



Band48_20MHz_64QAM_HCH_3690MHz_RB_100_0_NTNV



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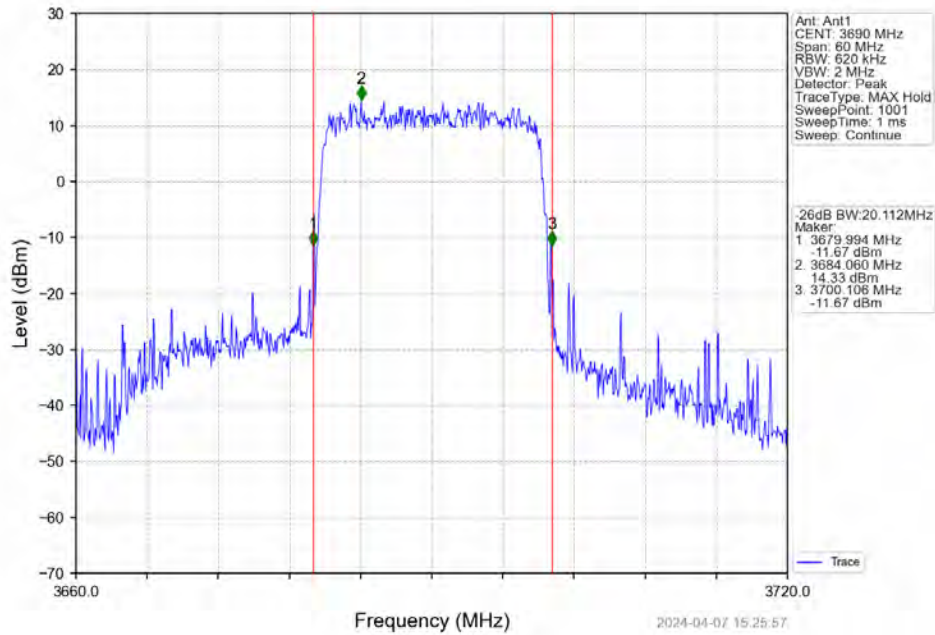


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4. Peak-Average Ratio

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	-42.54	<=13	Pass
	3625	25	0	-40.82	<=13	Pass
	3697.5	25	0	-40.74	<=13	Pass
16QAM	3552.5	25	0	-42.48	<=13	Pass
	3625	25	0	-40.07	<=13	Pass
	3697.5	25	0	12.25	<=13	Pass
64QAM	3552.5	25	0	-41.89	<=13	Pass
	3625	25	0	-41.26	<=13	Pass
	3697.5	25	0	-41.76	<=13	Pass



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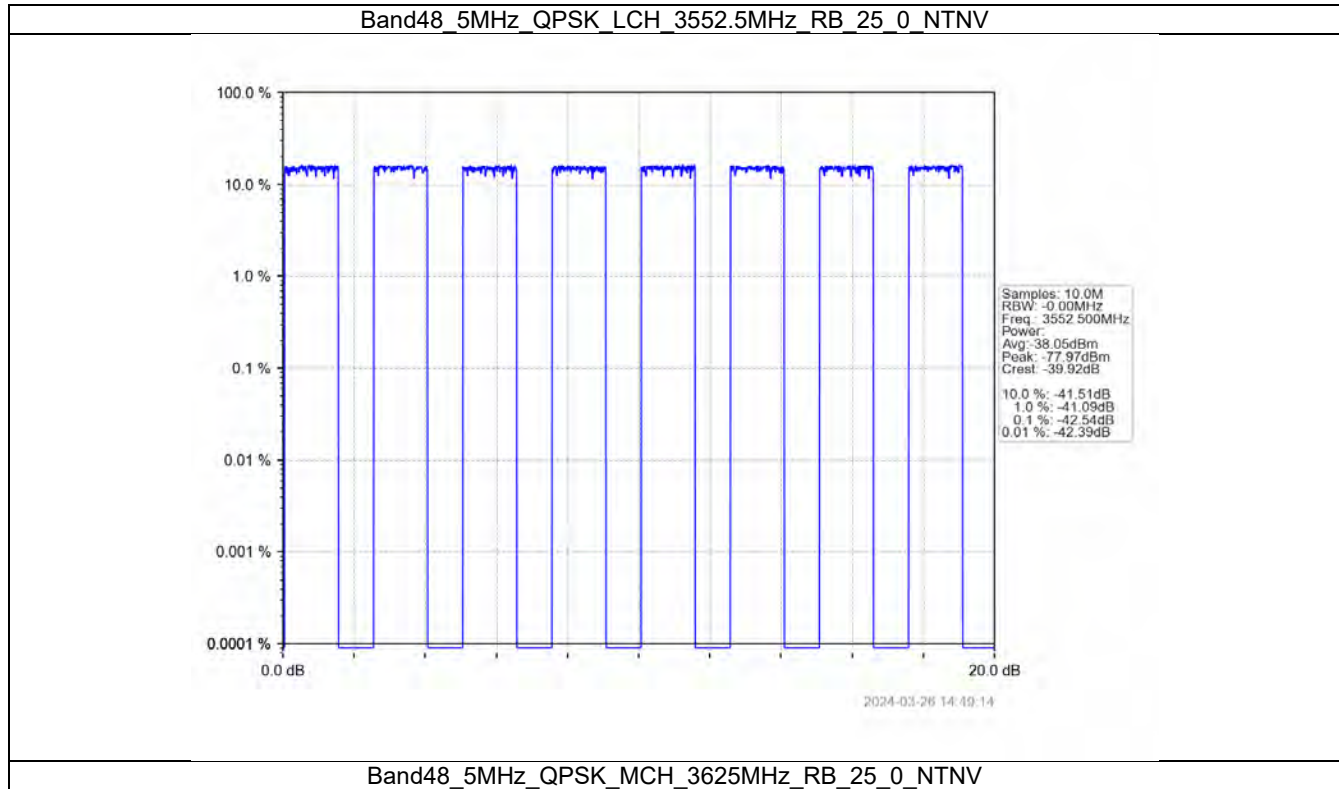
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4.1.2 Test Graph



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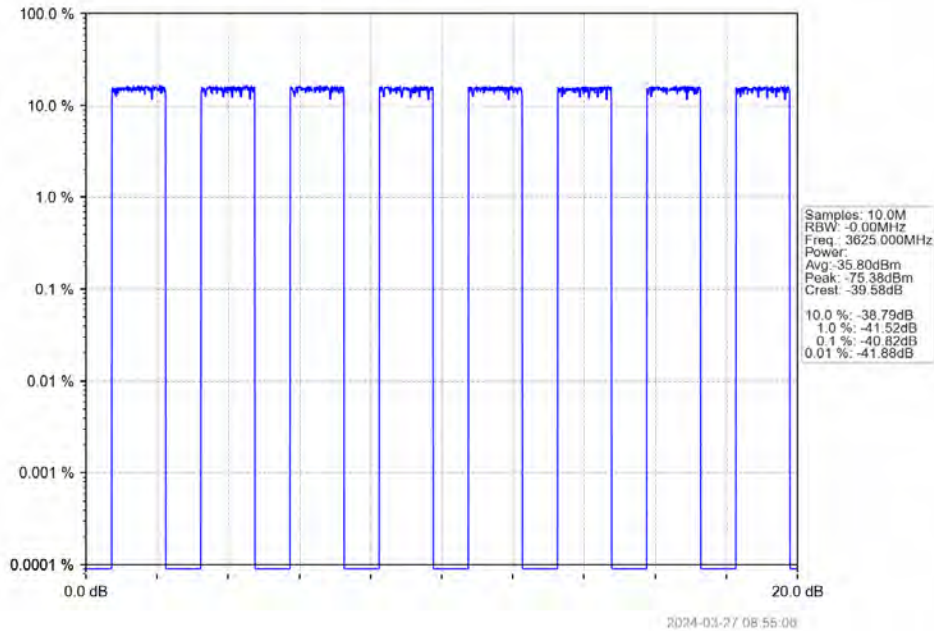


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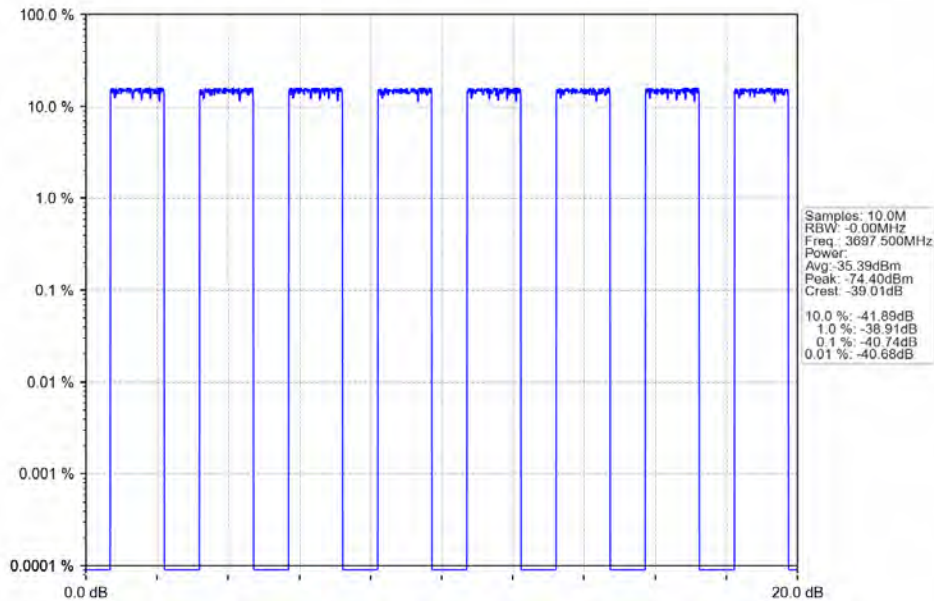
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Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



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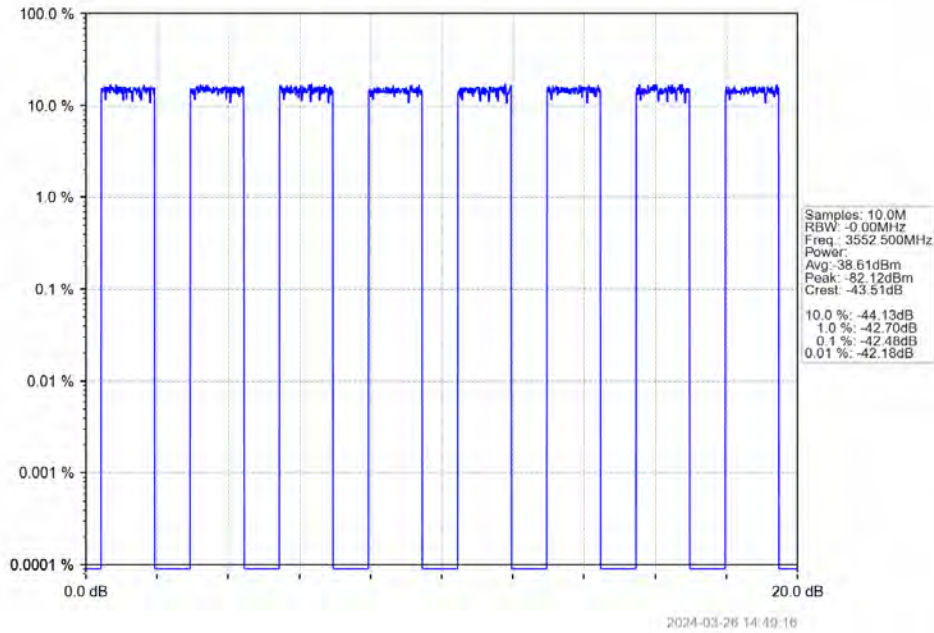


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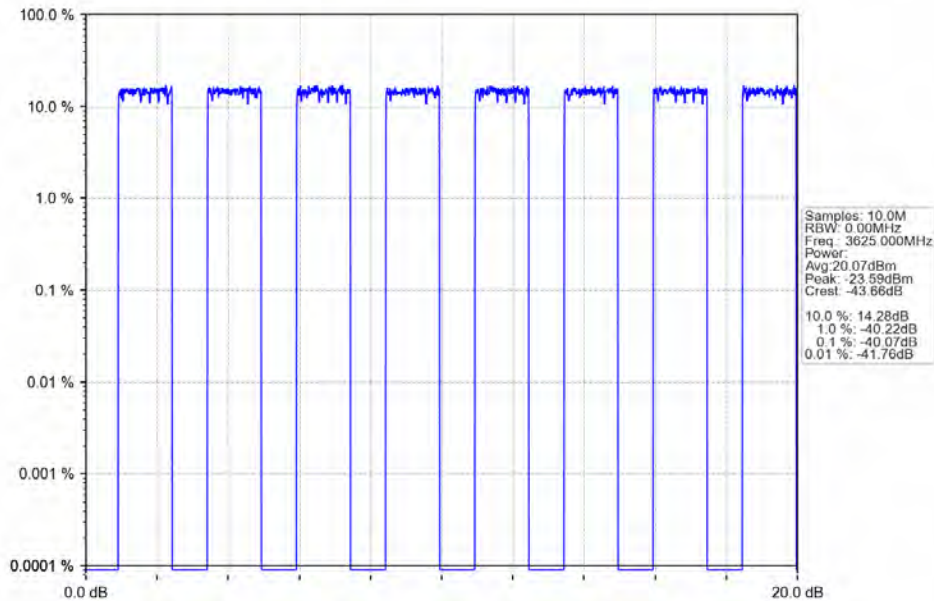
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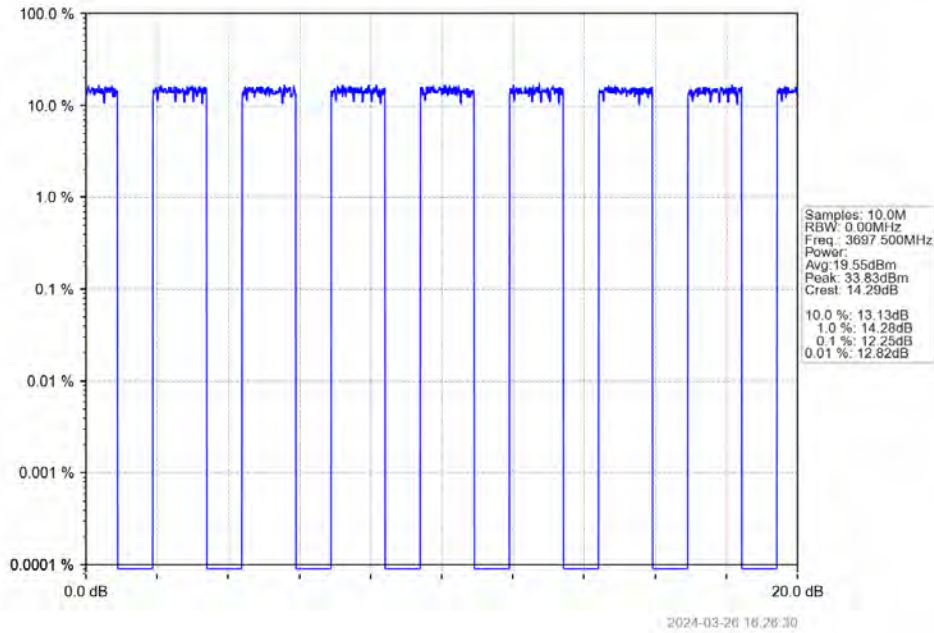


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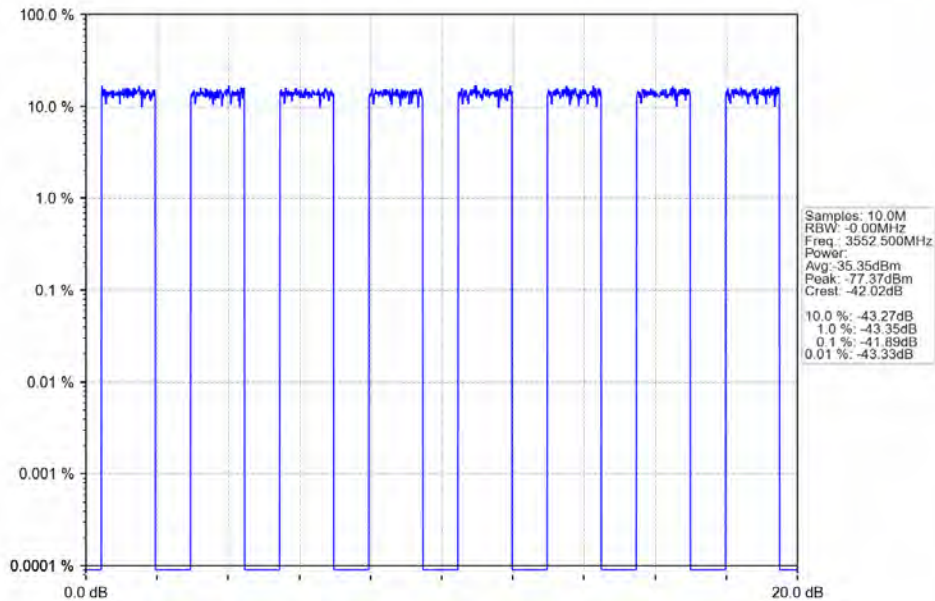
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Band48 5MHz 64QAM LCH 3552.5MHz RB 25 0 NTNV



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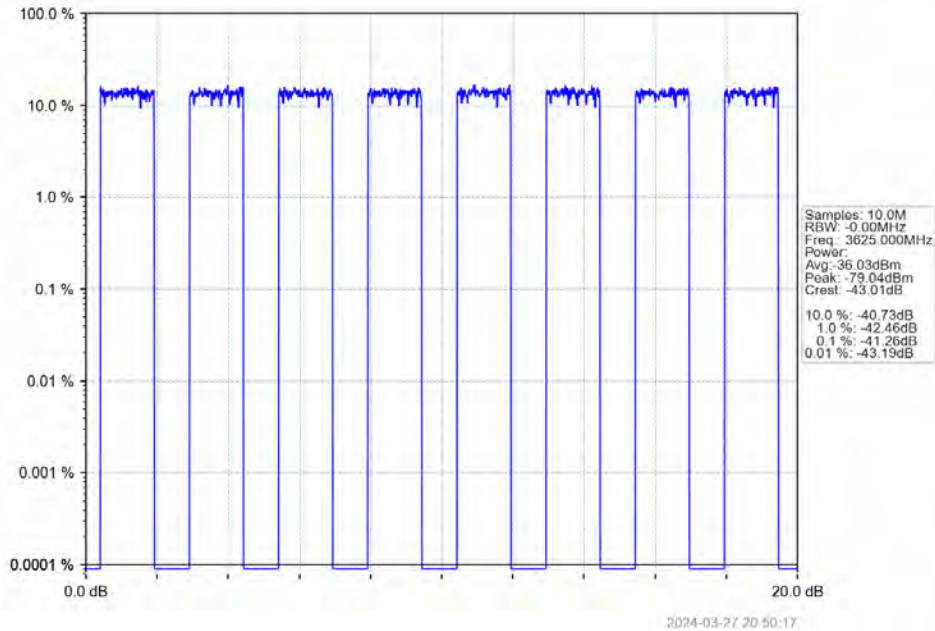


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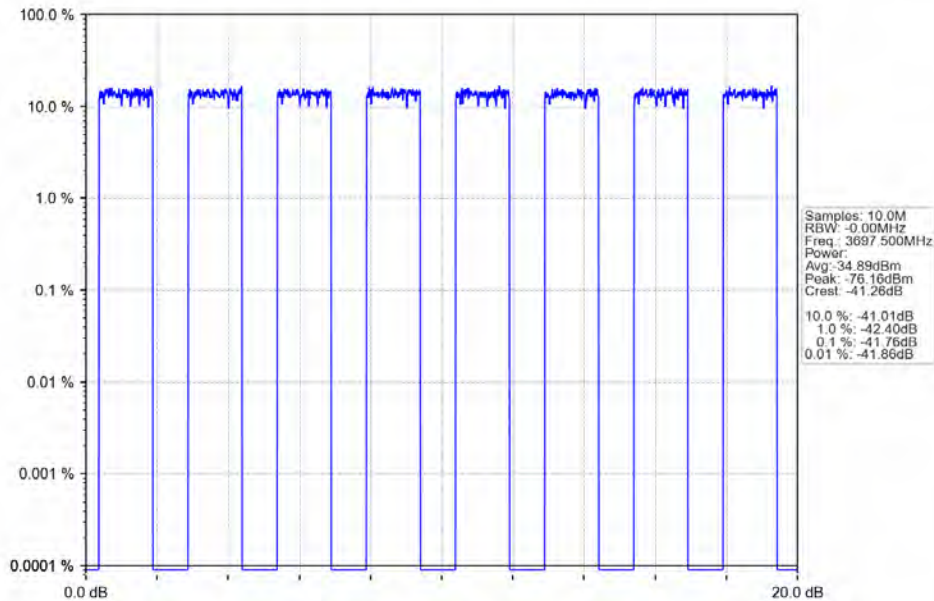
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Band48_5MHz_64QAM_HCH_3697.5MHz_RB_25_0_NTNV



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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	-40.79	<=13	Pass
	3625	50	0	8.87	<=13	Pass
	3695	50	0	10.42	<=13	Pass
16QAM	3555	50	0	-40.66	<=13	Pass
	3625	50	0	11.44	<=13	Pass
	3695	50	0	12.98	<=13	Pass
64QAM	3555	50	0	10.86	<=13	Pass
	3625	50	0	11.32	<=13	Pass
	3695	50	0	10.97	<=13	Pass



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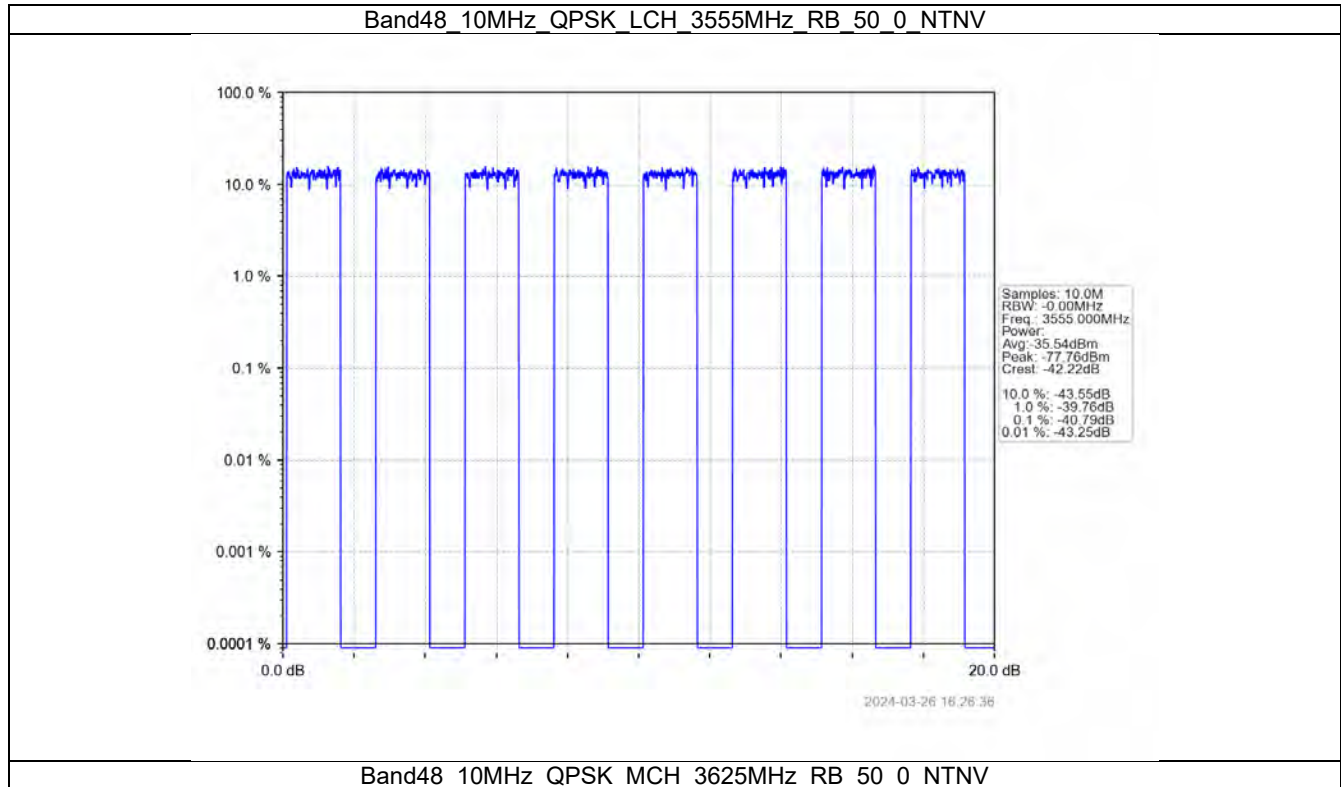
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4.2.2 Test Graph



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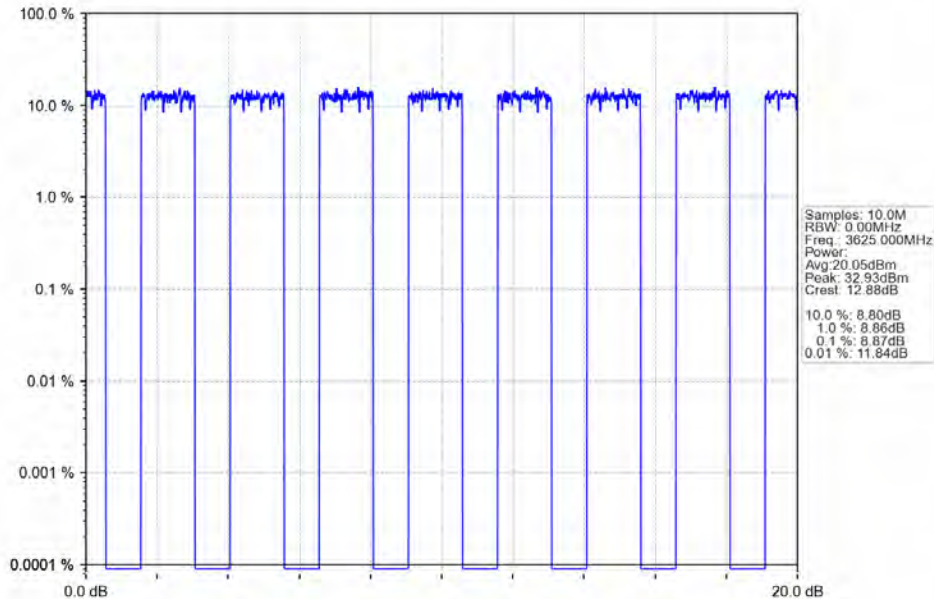


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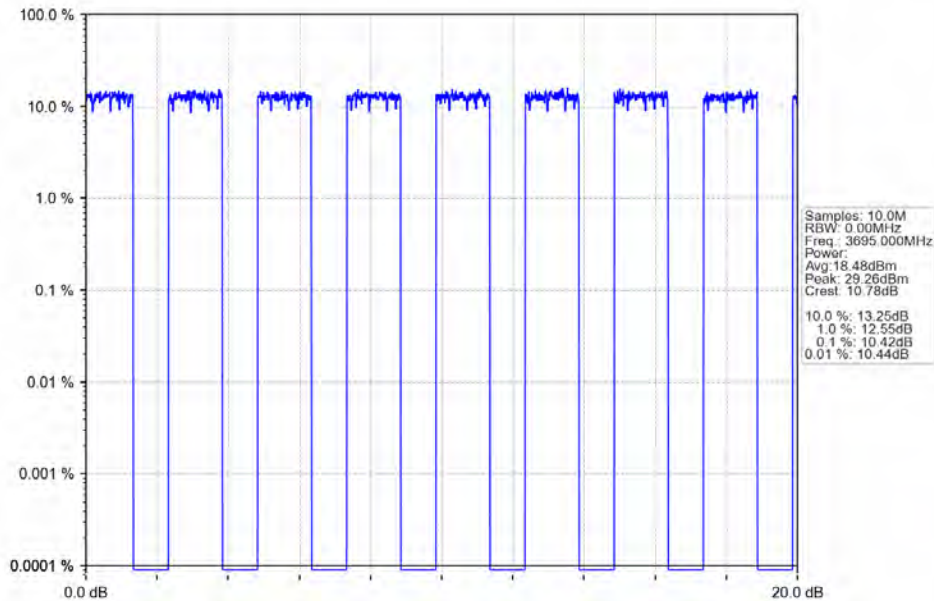
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Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



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Band48_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV



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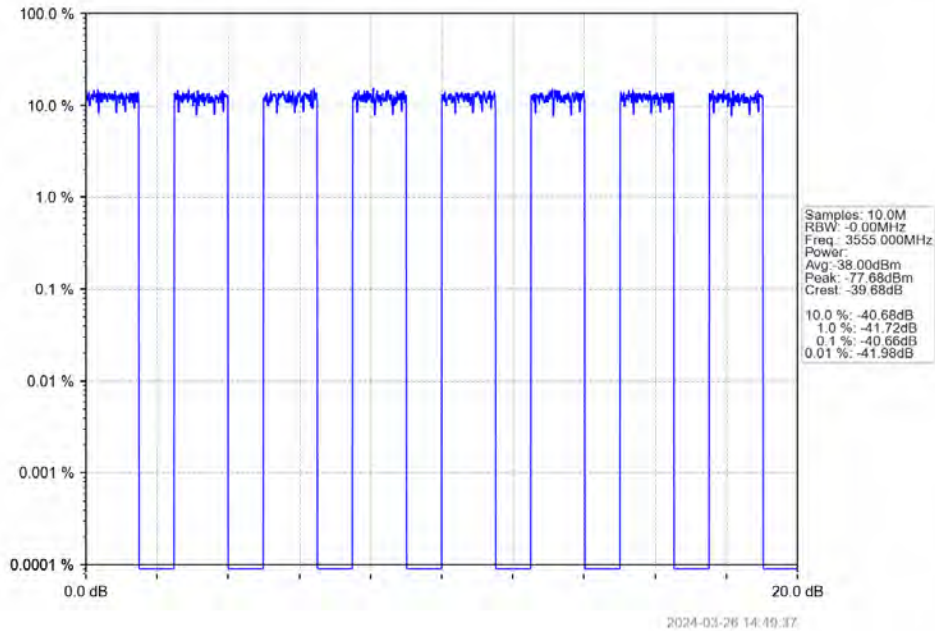


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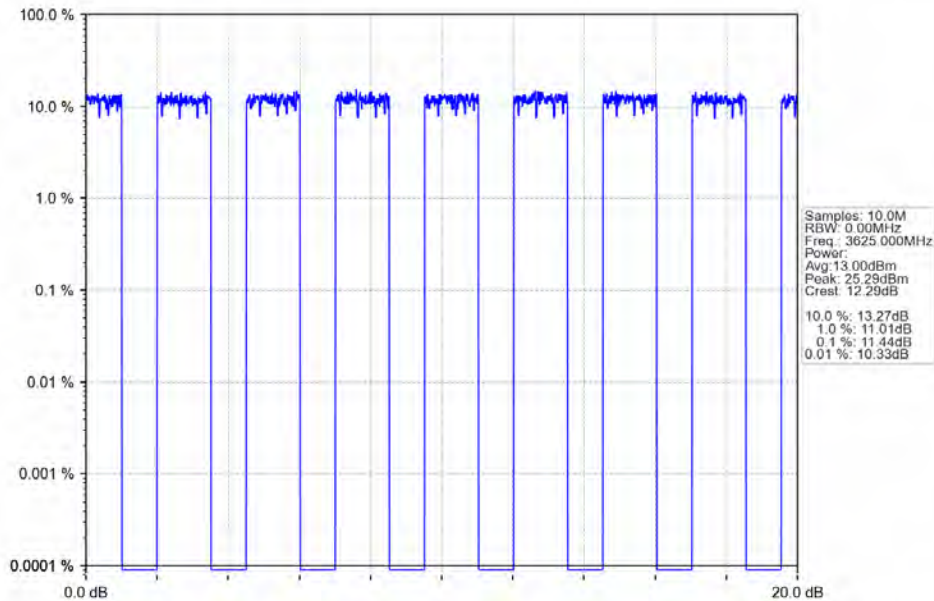
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Band48_10MHz_16QAM_MCH_3625MHz_RB_50_0_NTNV



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Band48_10MHz_16QAM_HCH_3695MHz_RB_50_0_NTNV



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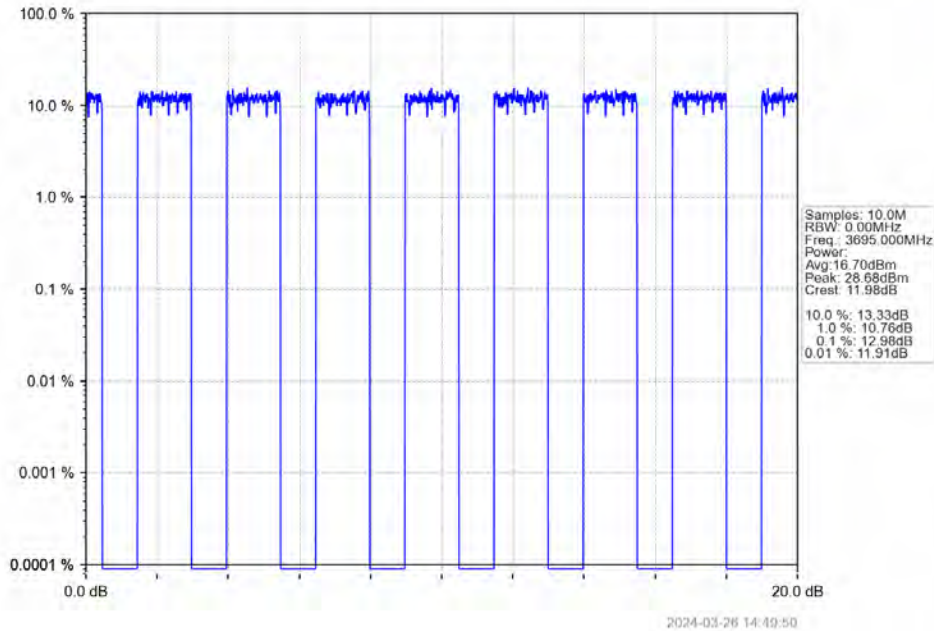


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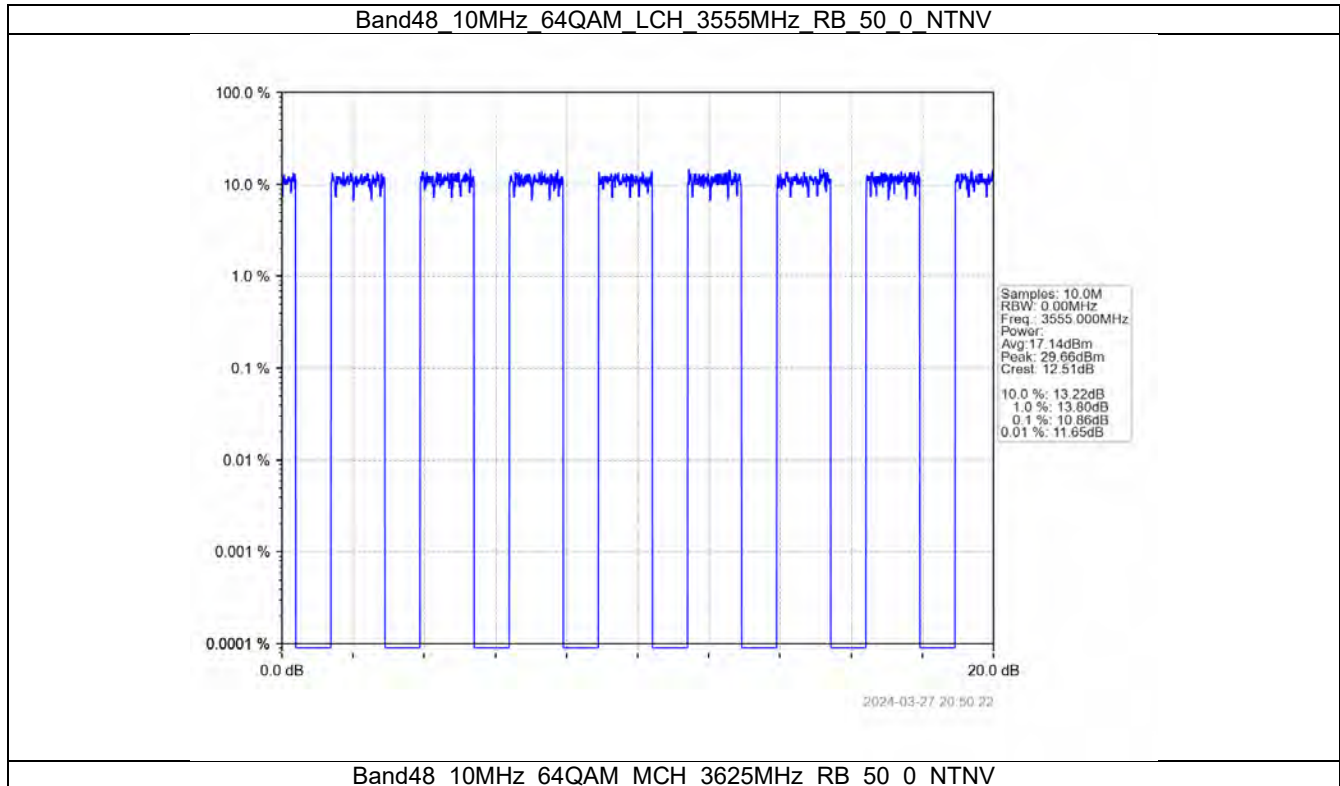


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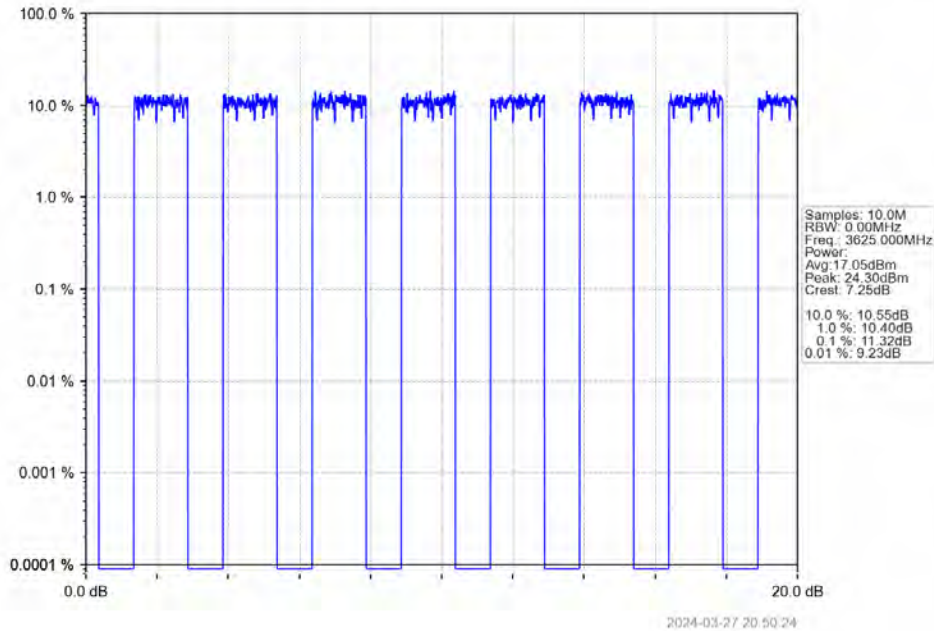


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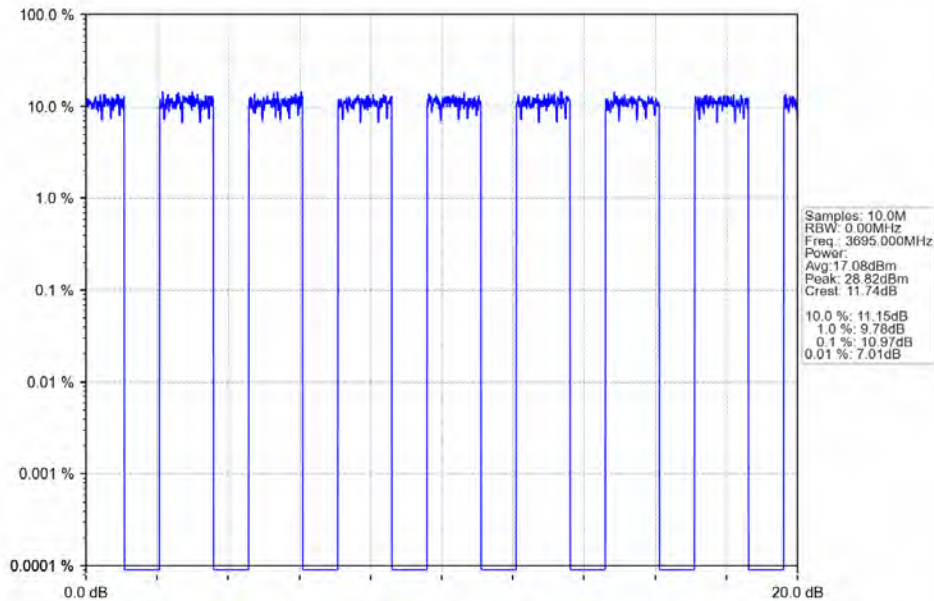
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Band48_10MHz_64QAM_HCH_3695MHz_RB_50_0_NTNV



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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	10.81	<=13	Pass
	3625	75	0	-40.96	<=13	Pass
	3692.5	75	0	-41.97	<=13	Pass
16QAM	3557.5	75	0	-41.97	<=13	Pass
	3625	75	0	11.42	<=13	Pass
	3692.5	75	0	-39.98	<=13	Pass
64QAM	3557.5	75	0	8.31	<=13	Pass
	3625	75	0	-40.22	<=13	Pass
	3692.5	75	0	9.46	<=13	Pass



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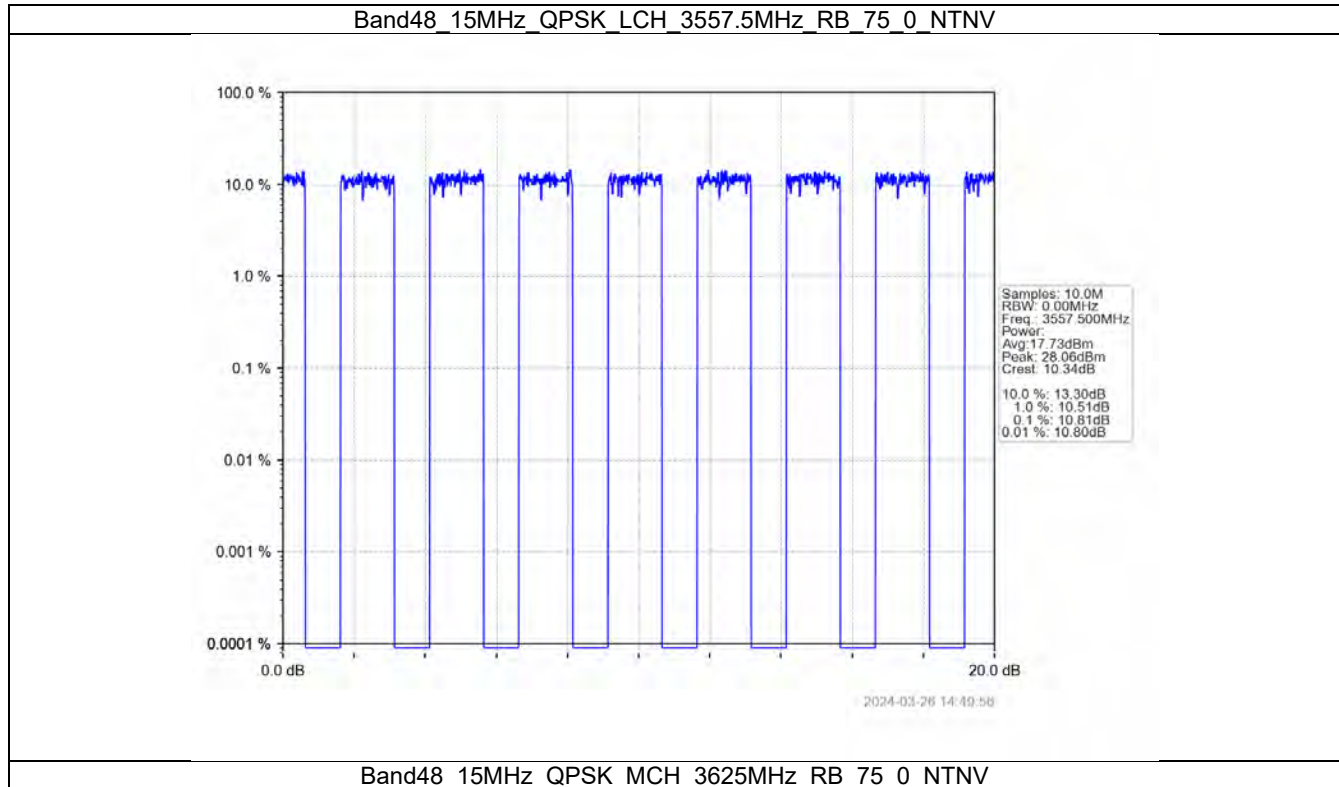
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4.3.2 Test Graph



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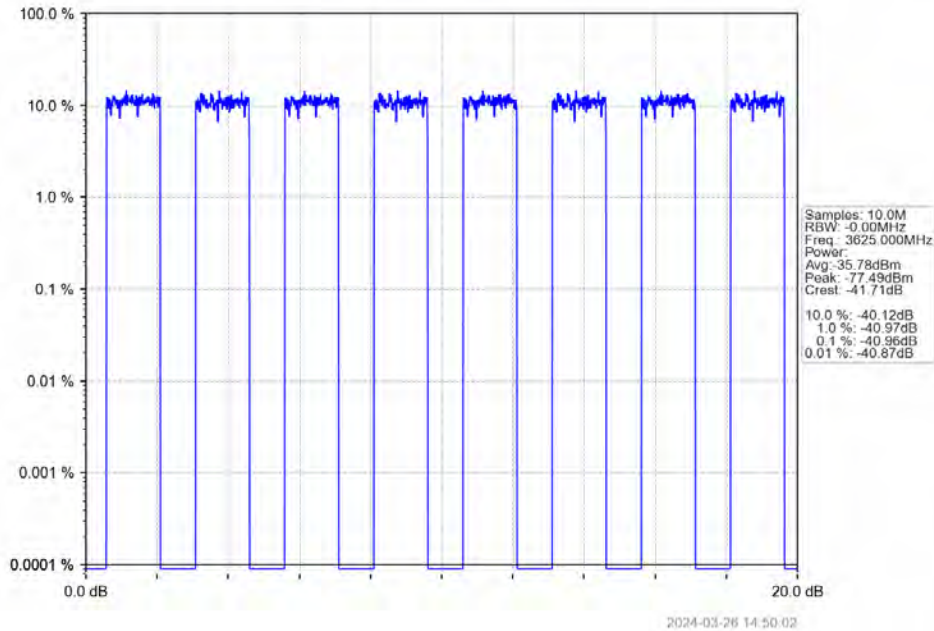


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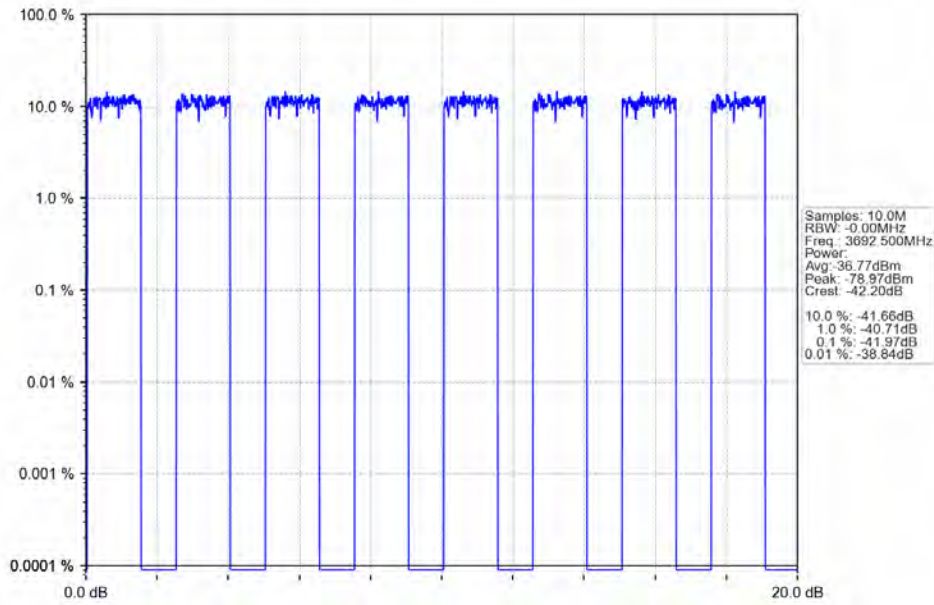
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Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



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Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV



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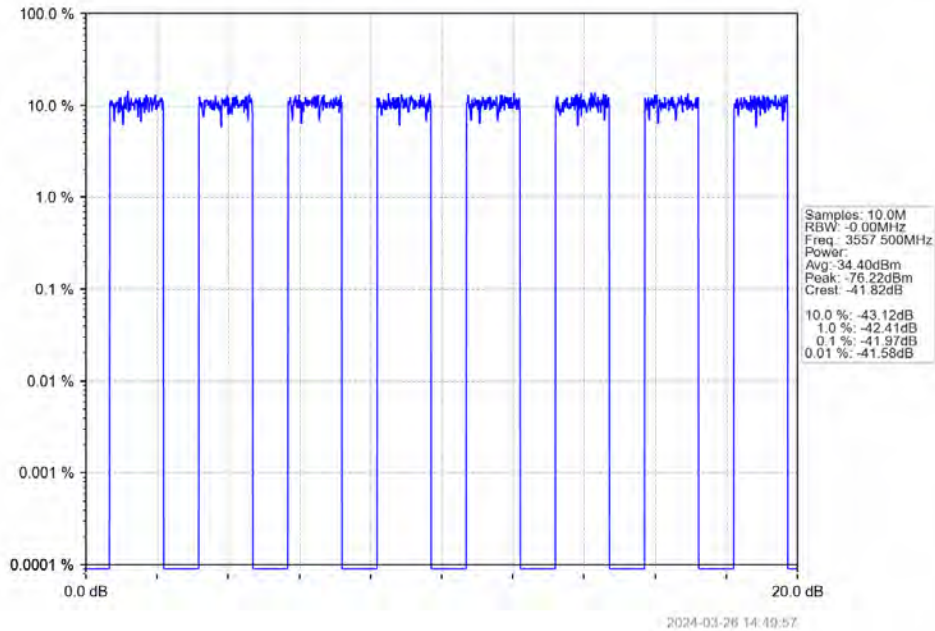


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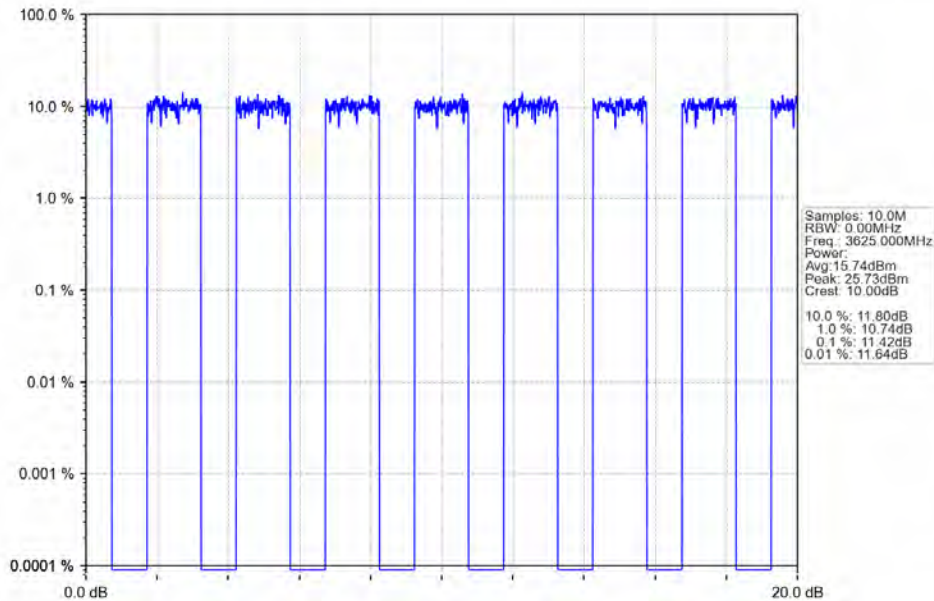
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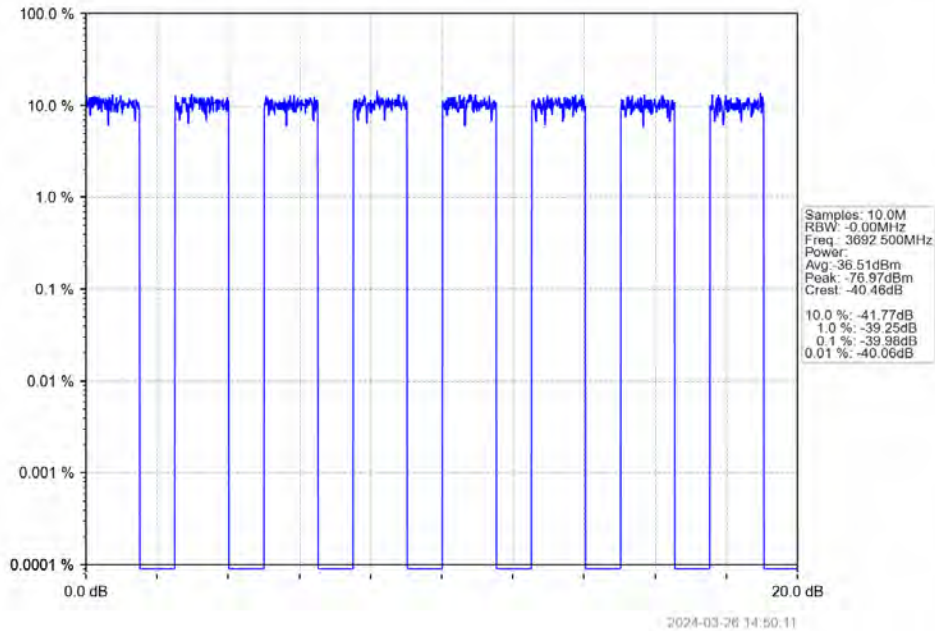


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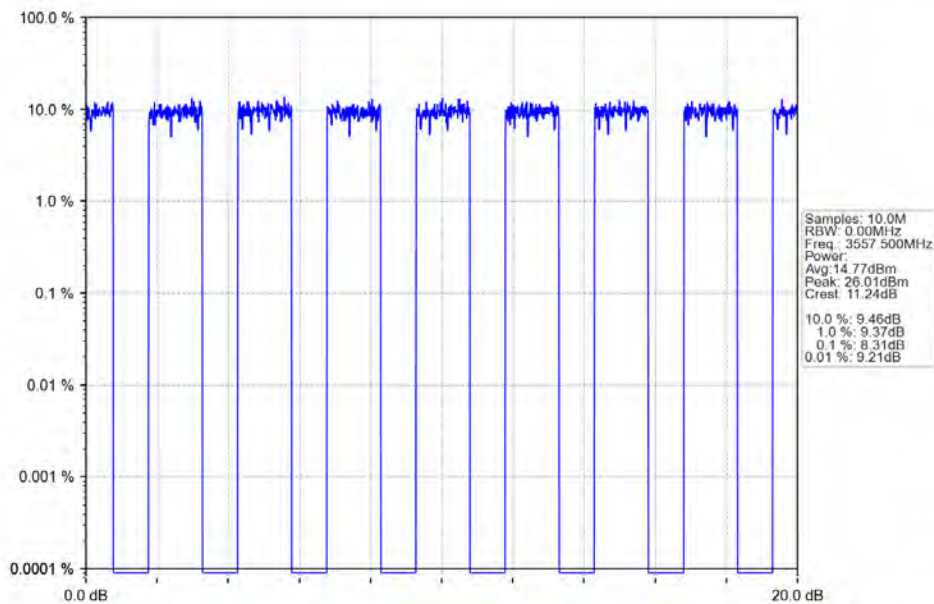
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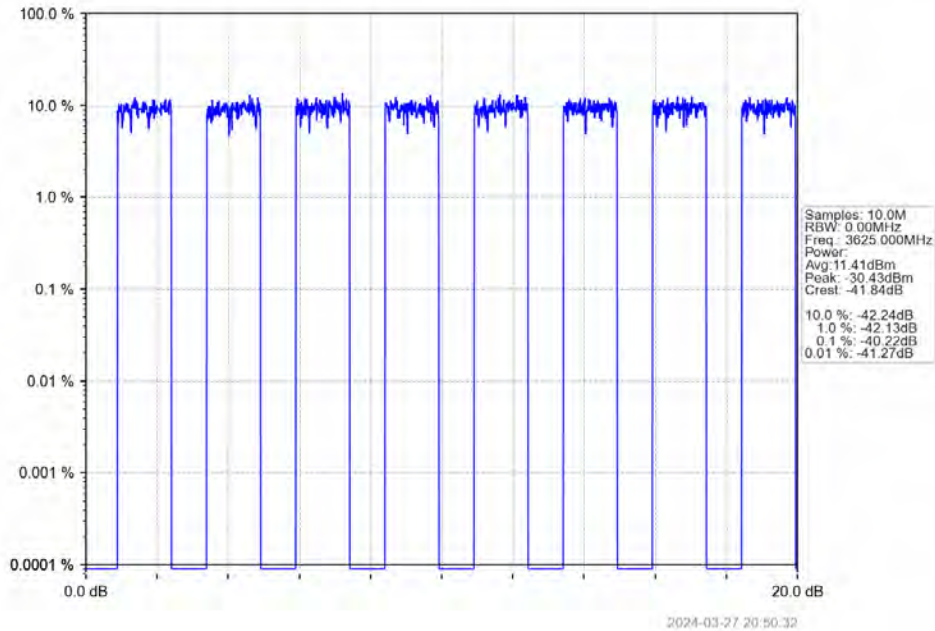


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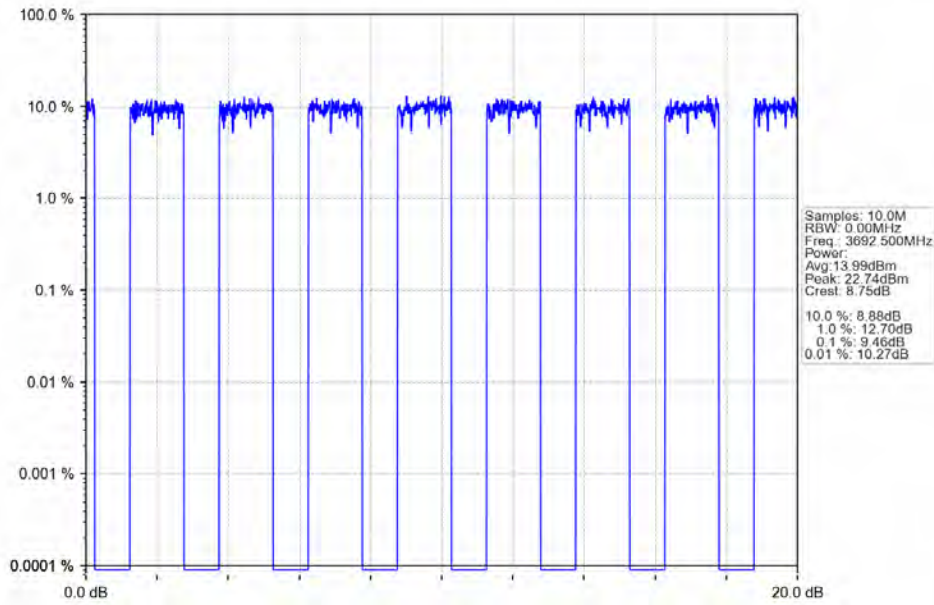
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4.4 B48_20MHz

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	10.39	<=13	Pass
	3625	100	0	-41.63	<=13	Pass
	3690	100	0	10.49	<=13	Pass
16QAM	3560	100	0	7.55	<=13	Pass
	3625	100	0	-41.39	<=13	Pass
	3690	100	0	-41.95	<=13	Pass
64QAM	3560	100	0	9.51	<=13	Pass
	3625	100	0	8.66	<=13	Pass
	3690	100	0	-42.59	<=13	Pass



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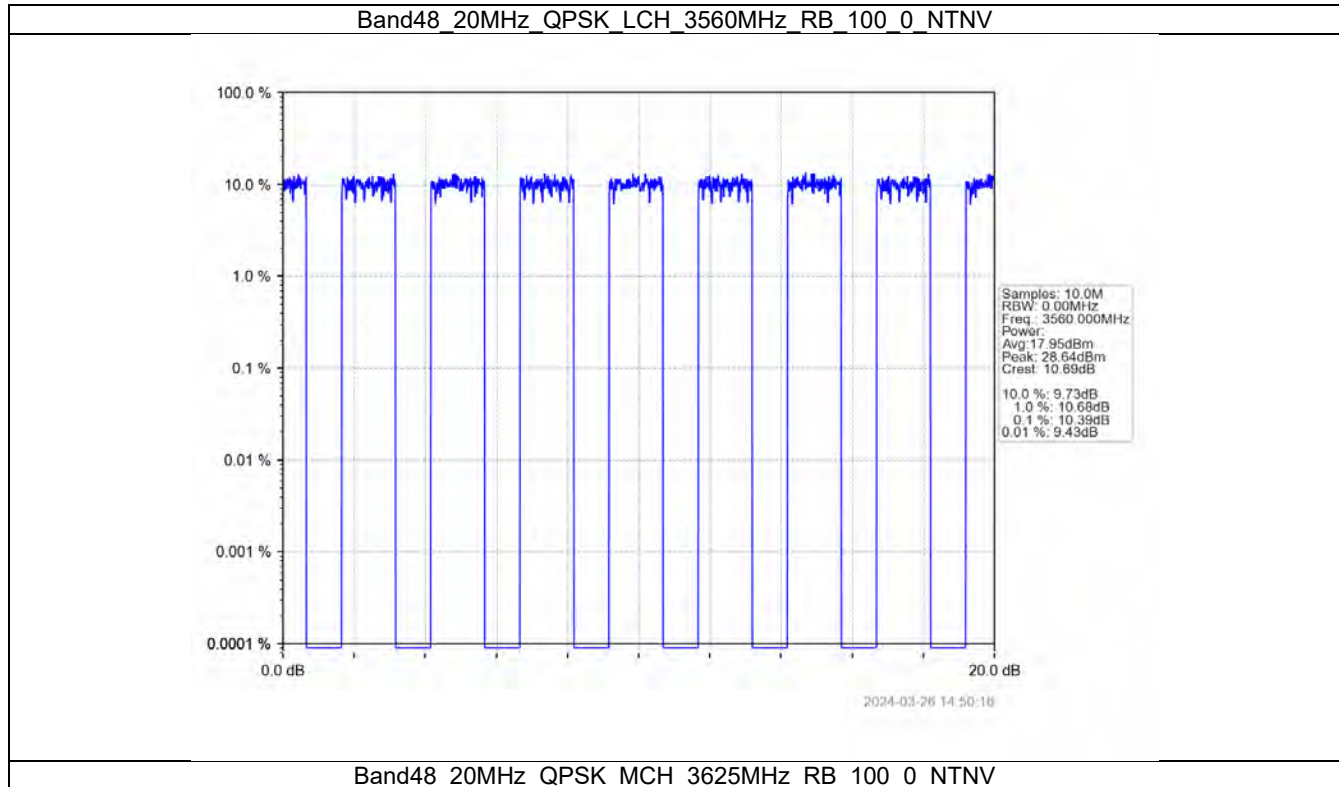
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4.4.2 Test Graph



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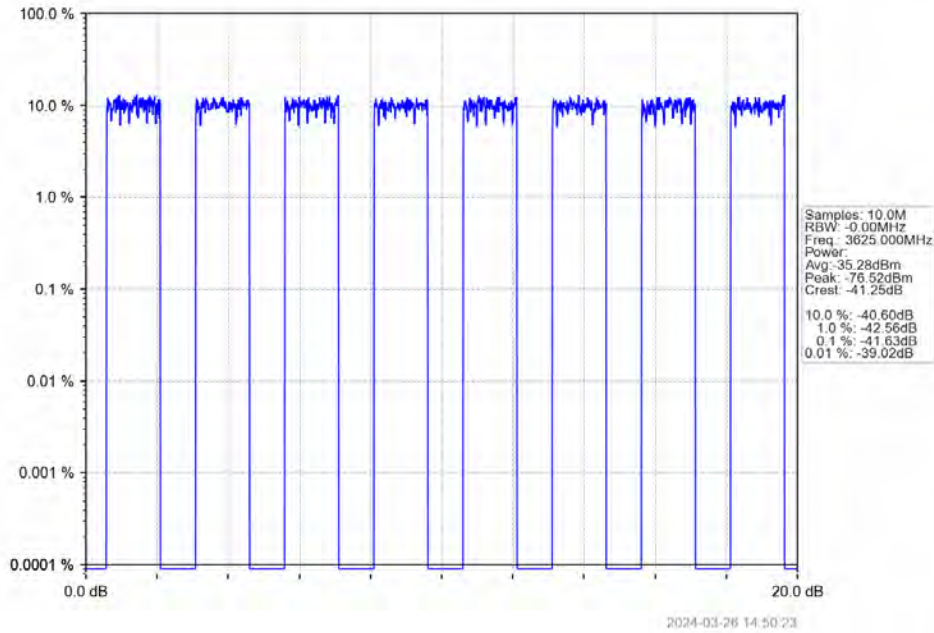


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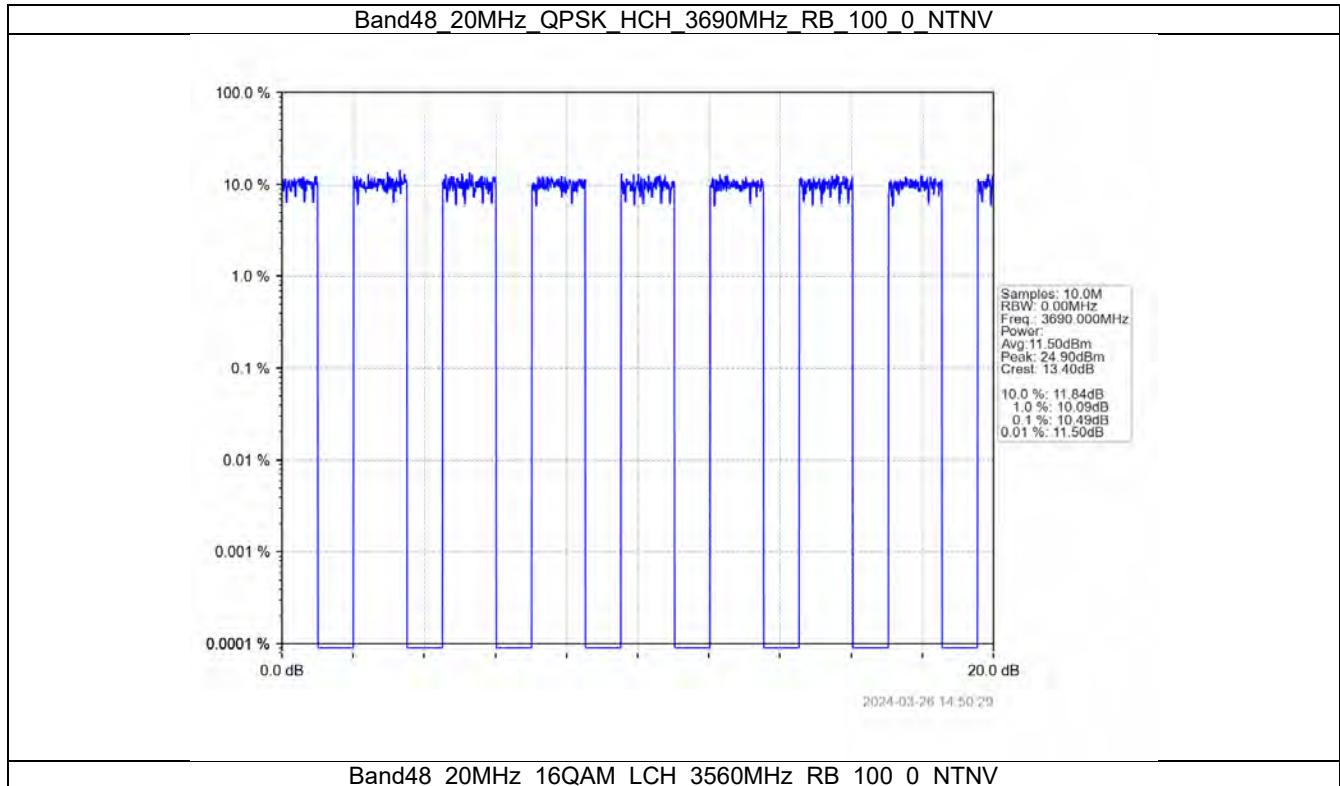


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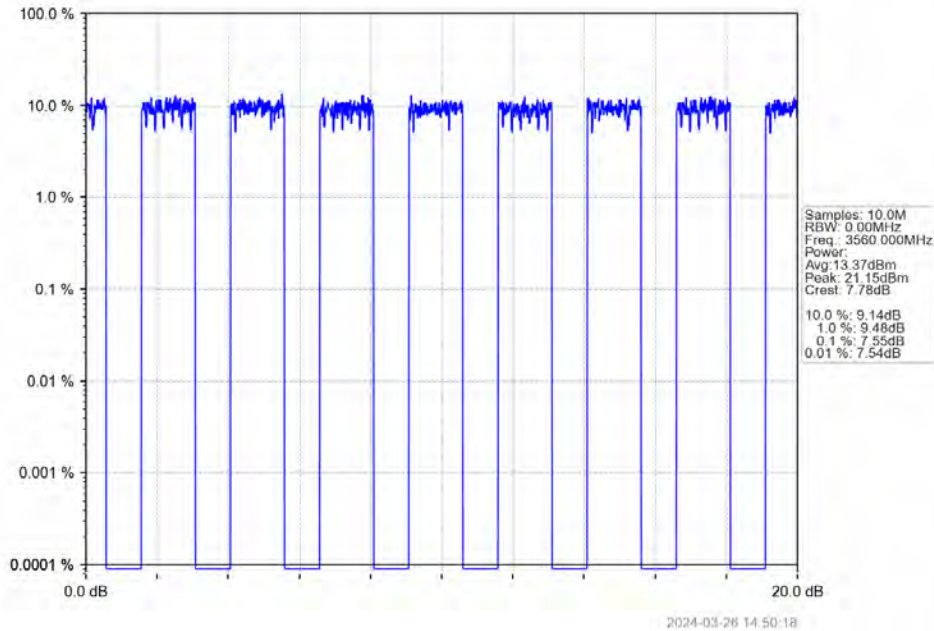


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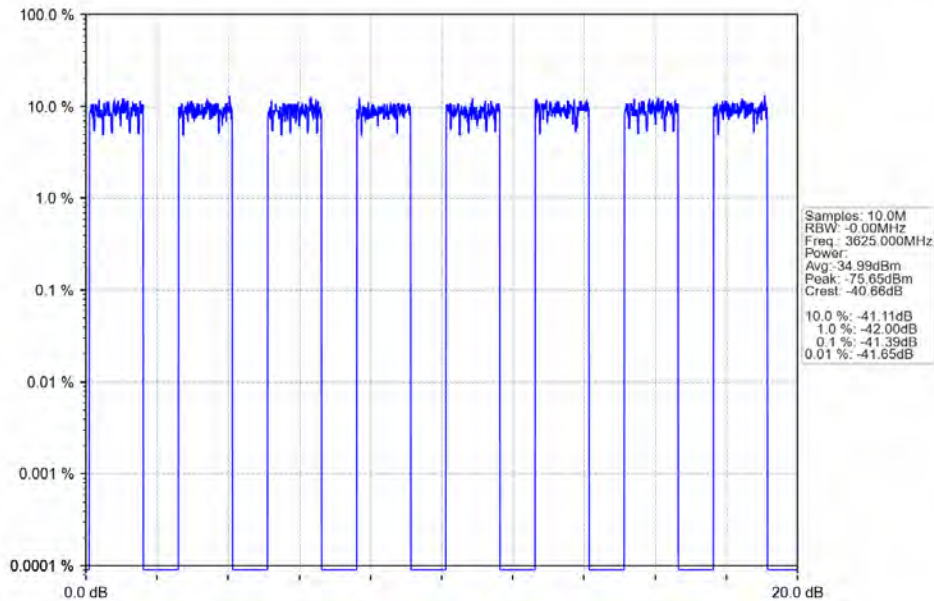
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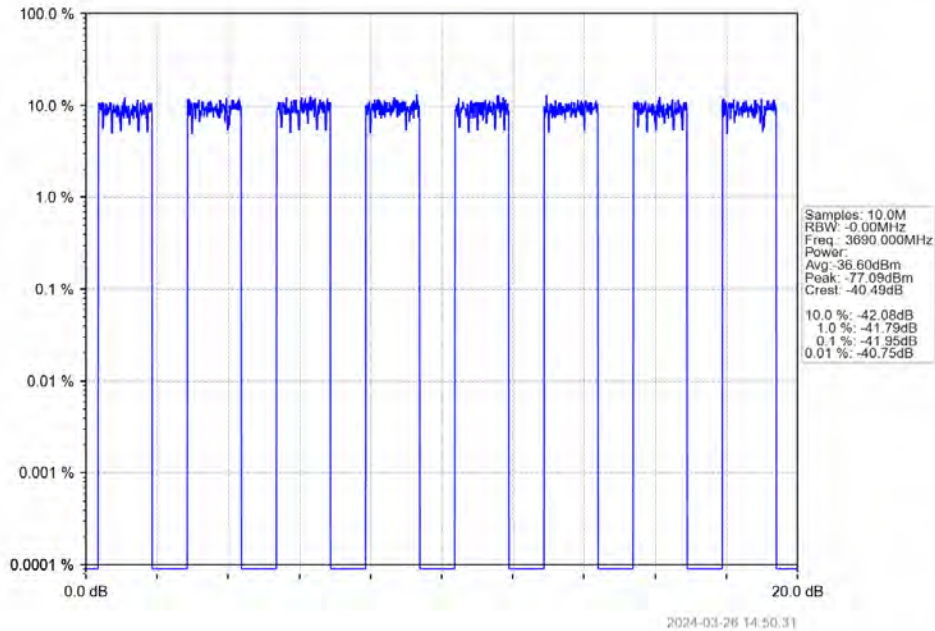


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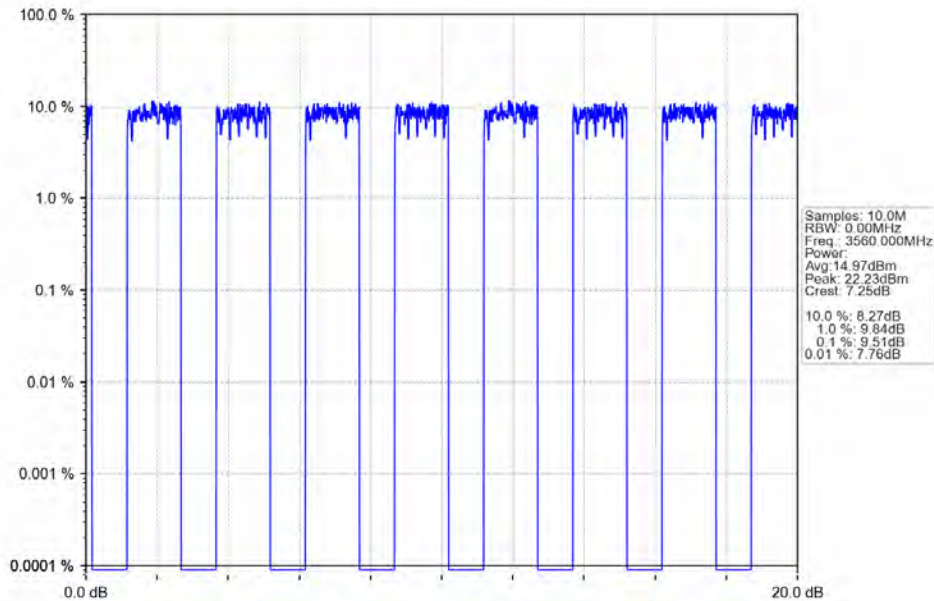
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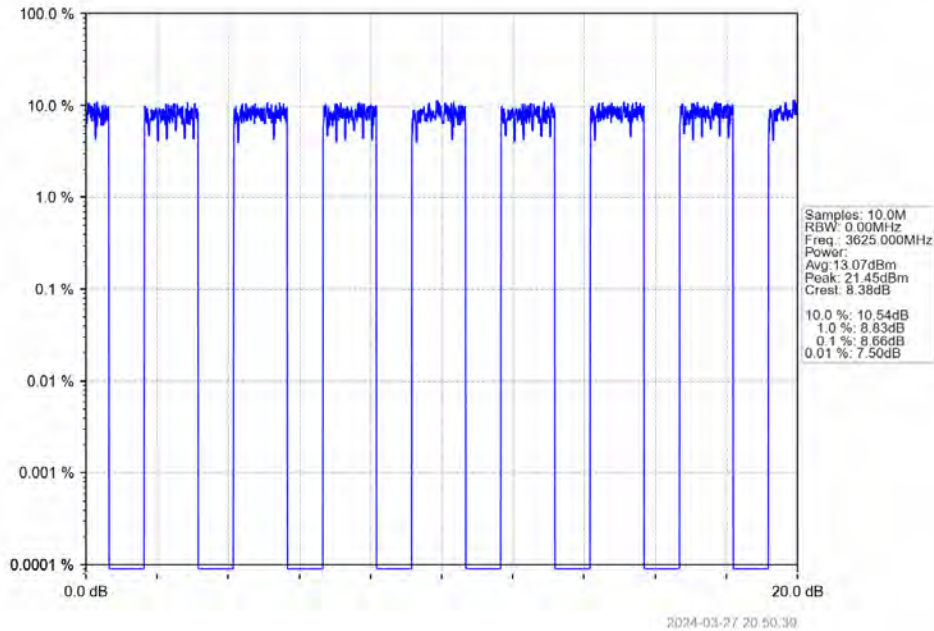


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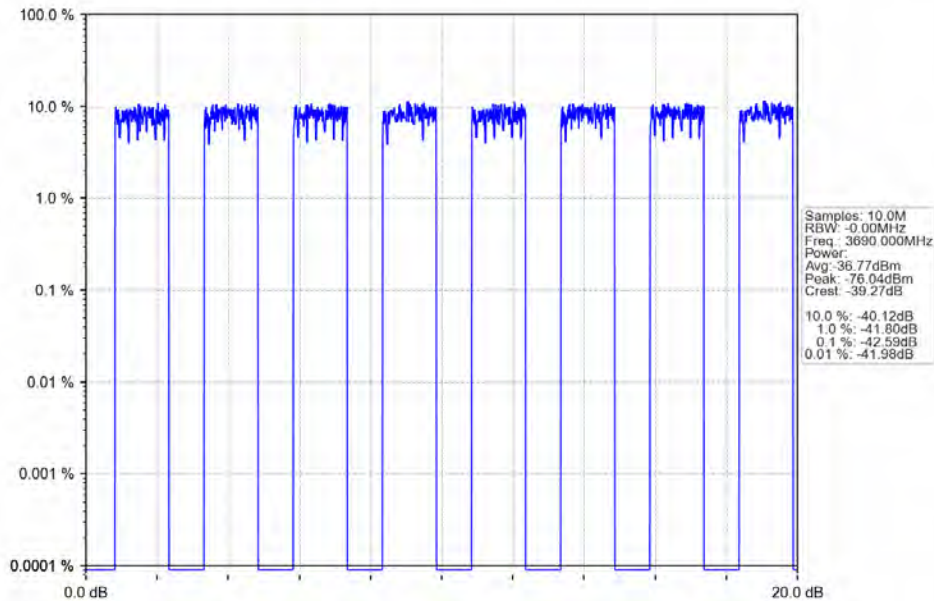
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Band48_20MHz_64QAM_HCH_3690MHz_RB_100_0_NTNV



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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



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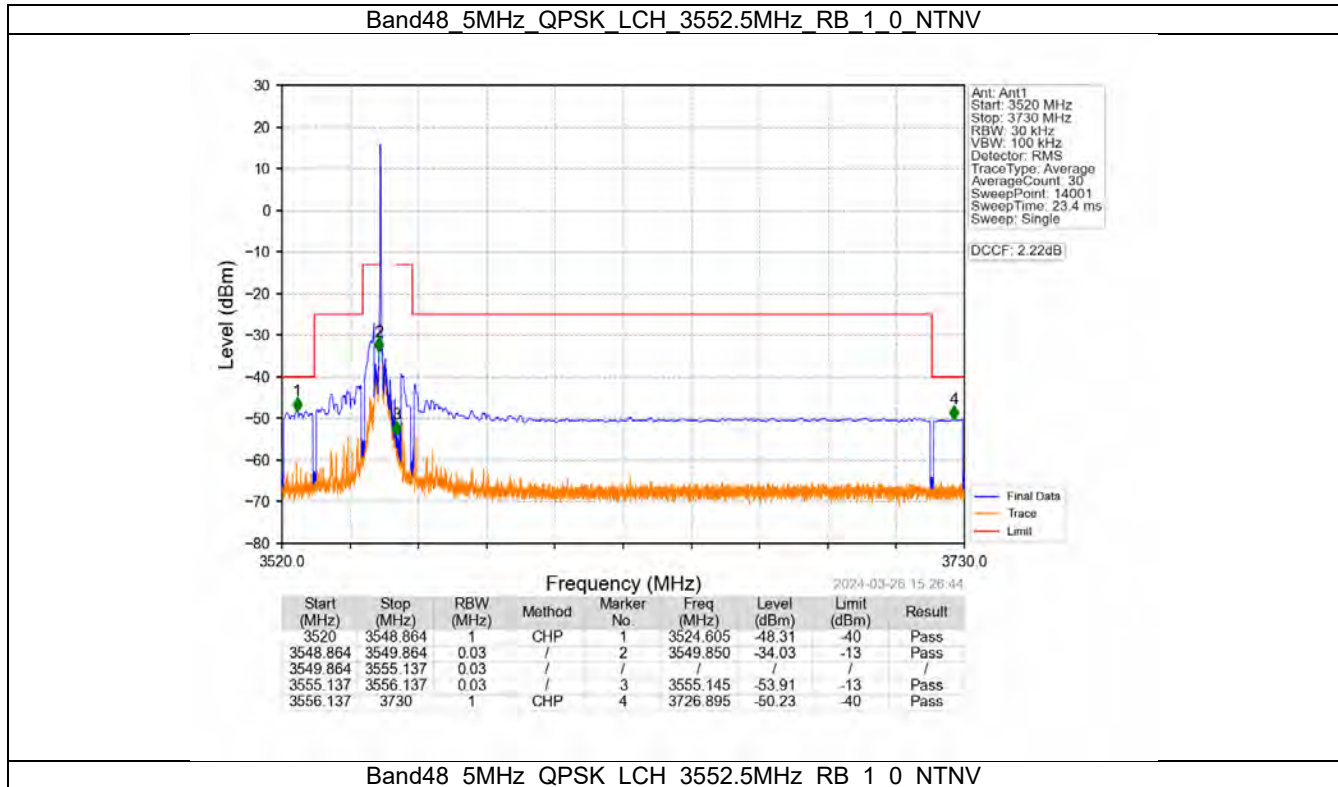
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5.1.2 Test Graph



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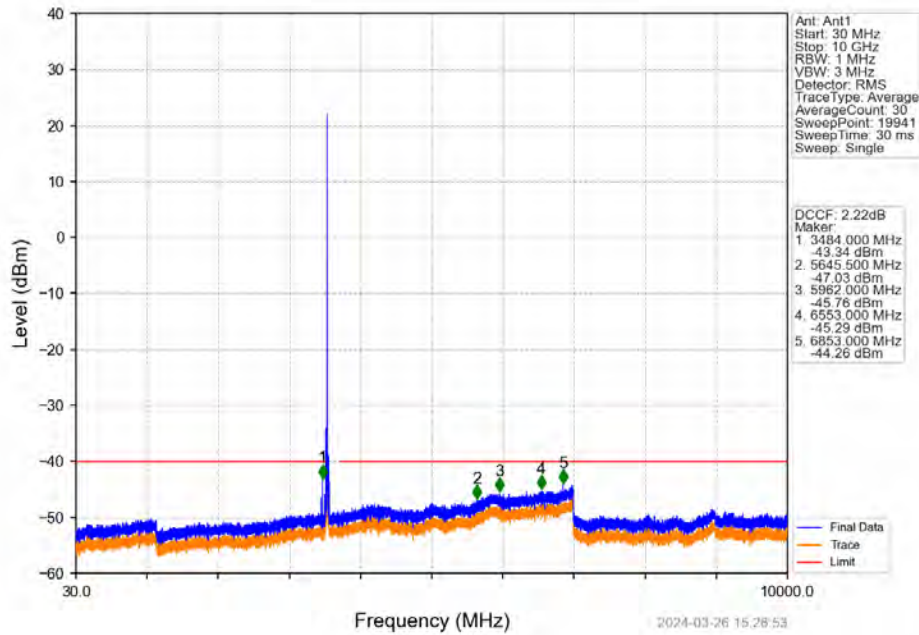


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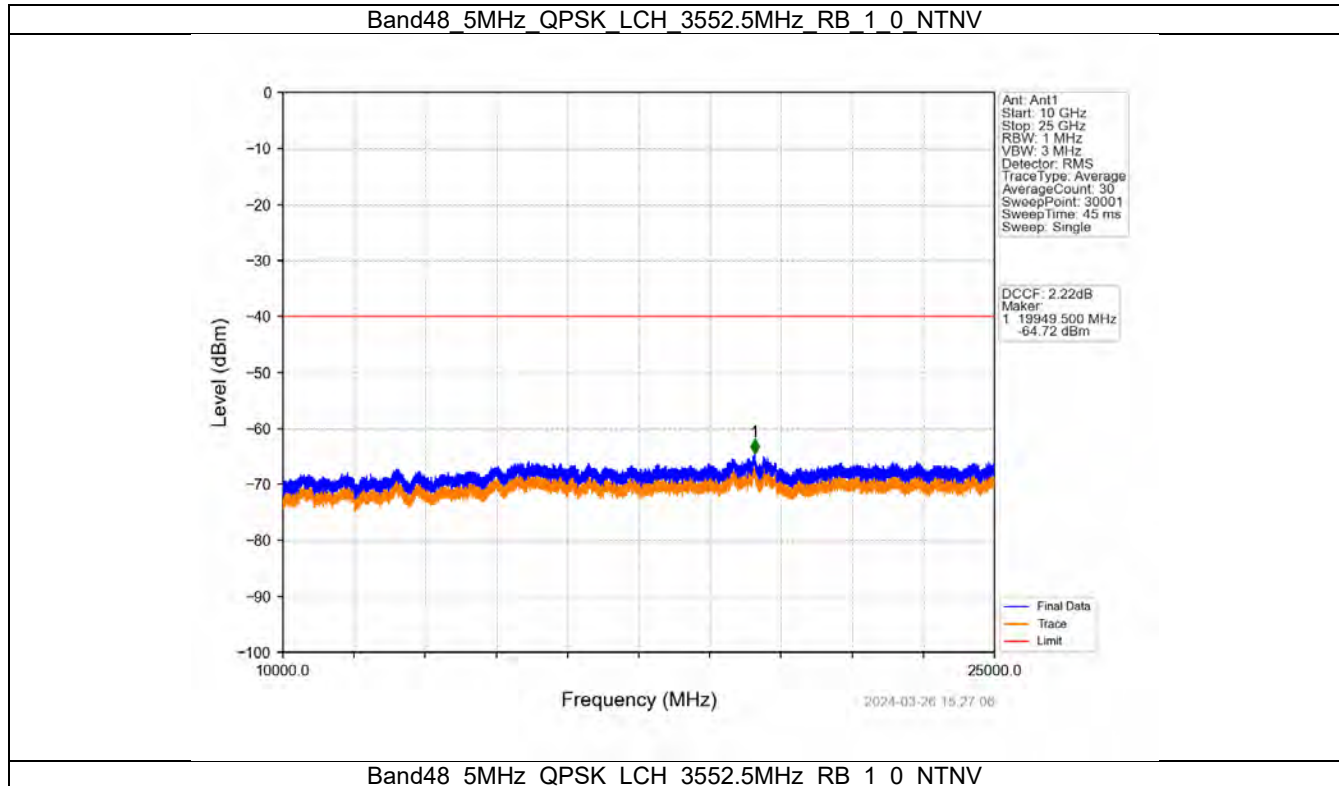


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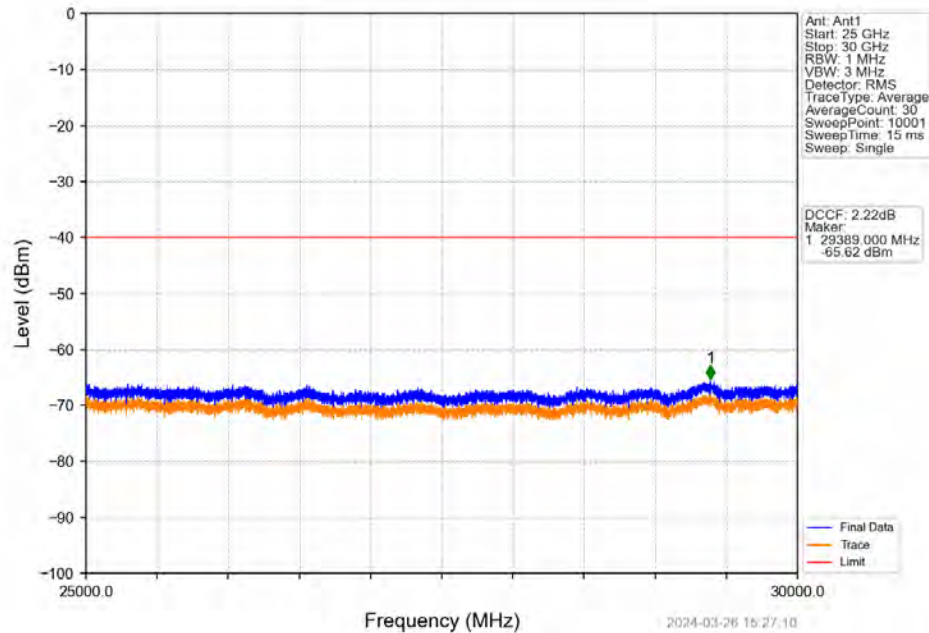


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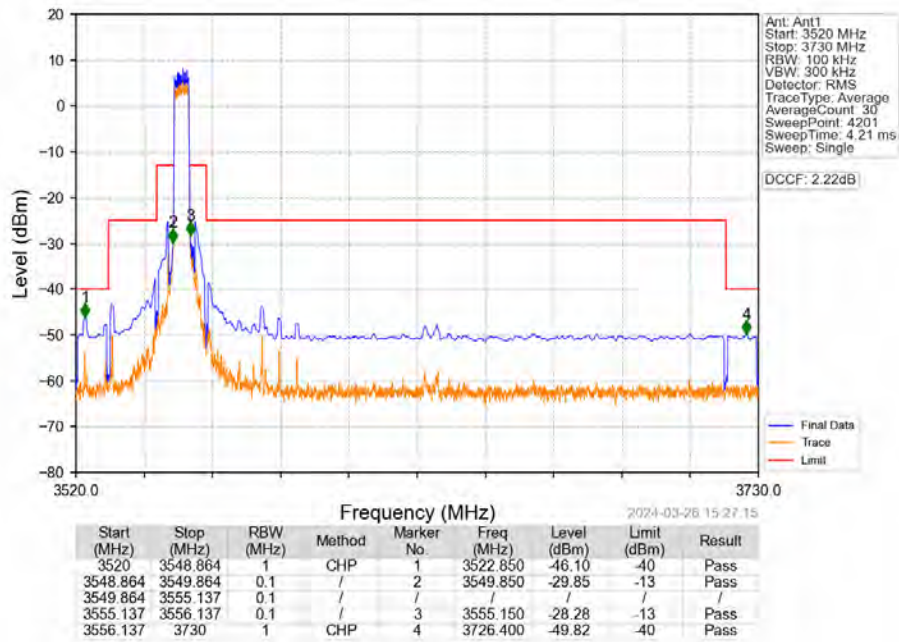
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Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV



Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



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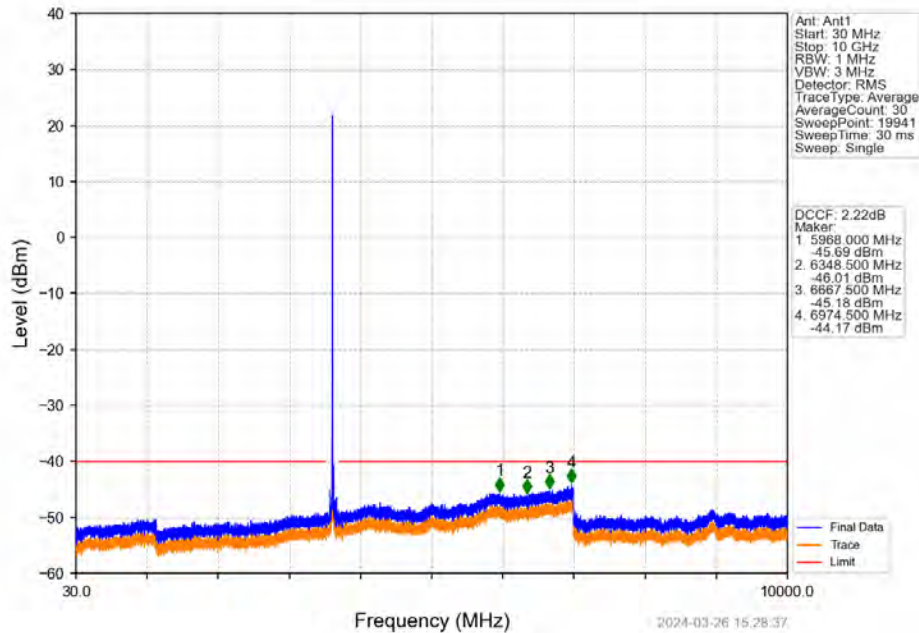


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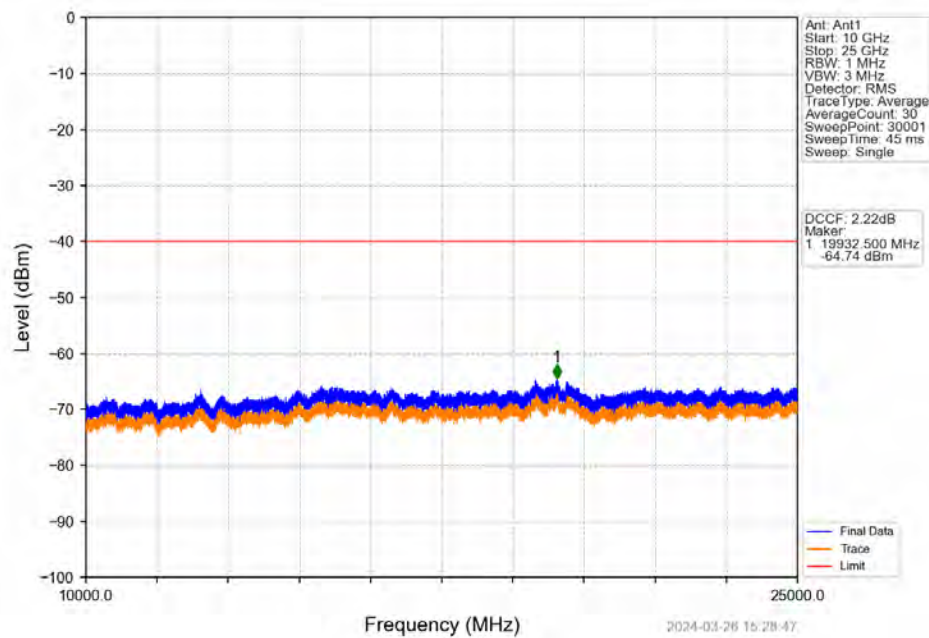
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Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



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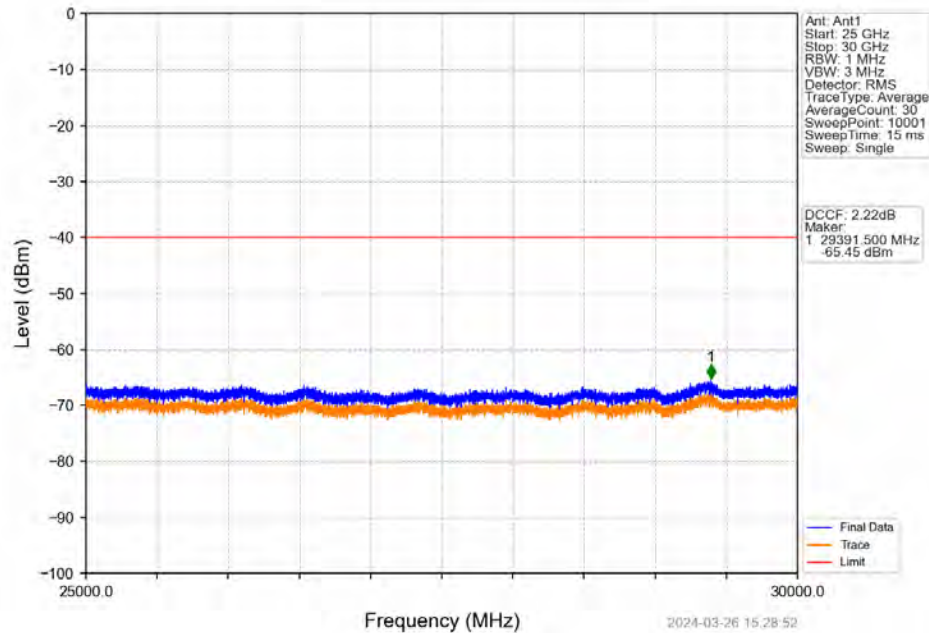


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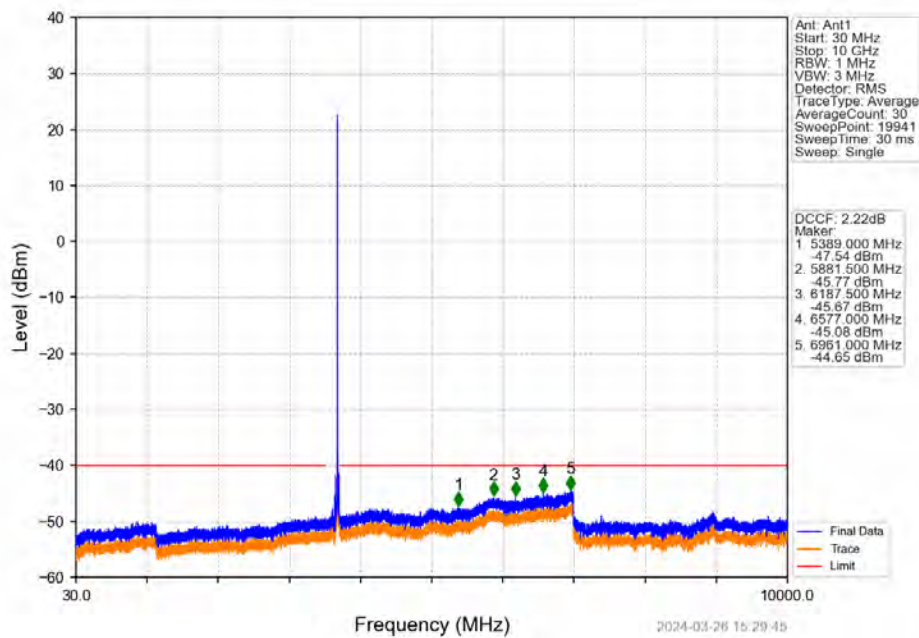
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Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



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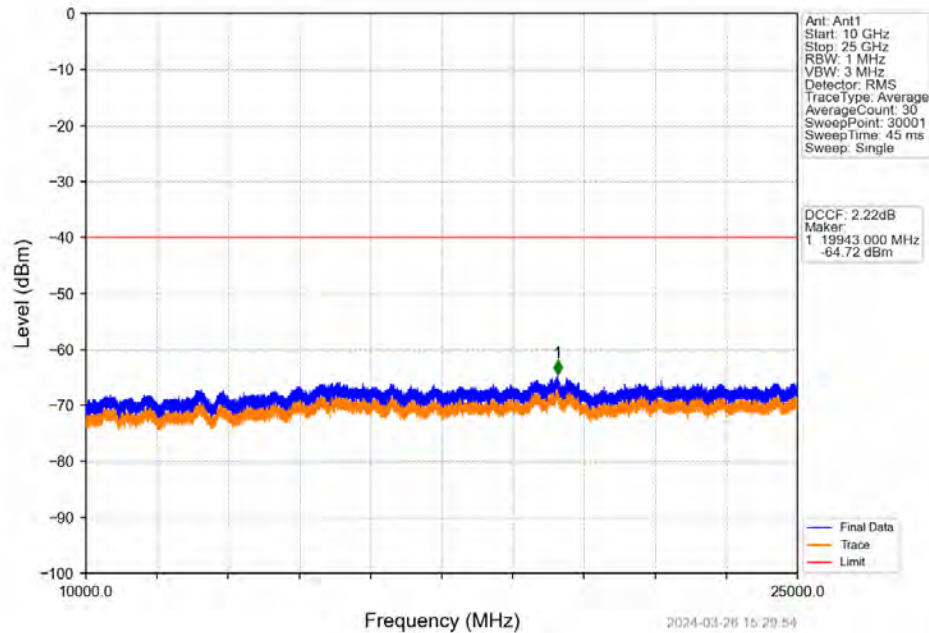


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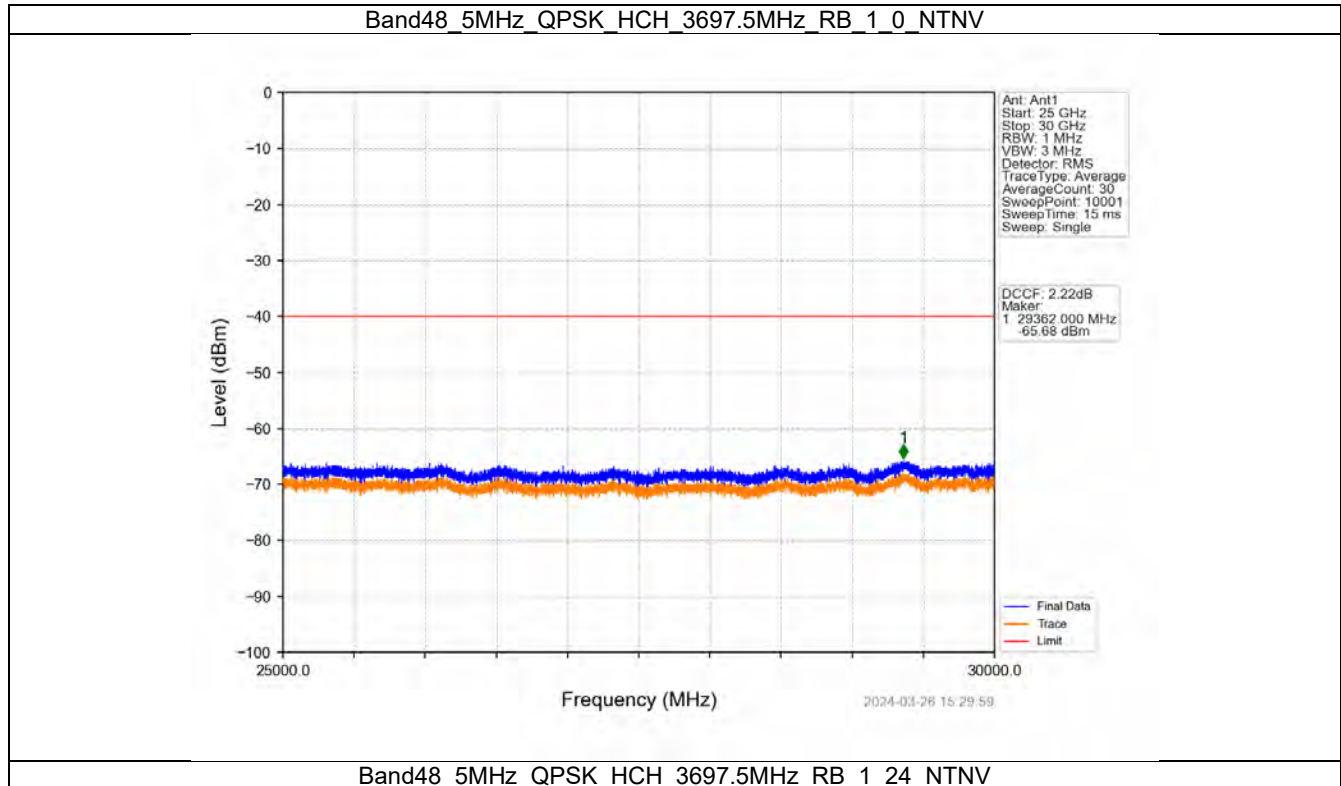


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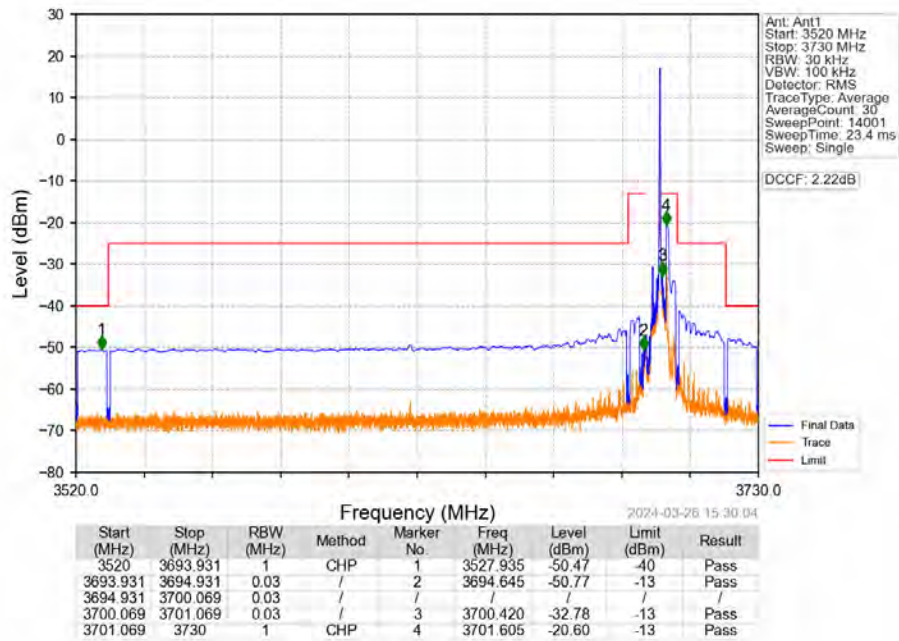


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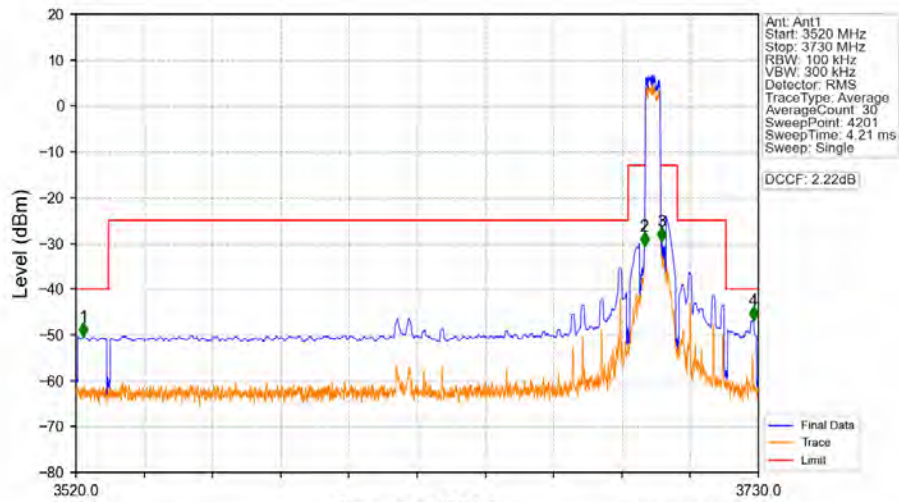
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Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3693.931	1	CHP	1	3522.350	-50.35	-40	Pass
3693.931	3694.931	0.1	/	2	3694.900	-30.57	-13	Pass
3694.931	3700.069	0.1	/	/	/	/	/	/
3700.069	3701.069	0.1	/	3	3700.250	-29.56	-13	Pass
3701.069	3730	1	CHP	4	3728.400	-46.90	-40	Pass

Band48_5MHz_16QAM_LCH_3552.5MHz_RB_1_0_NTNV



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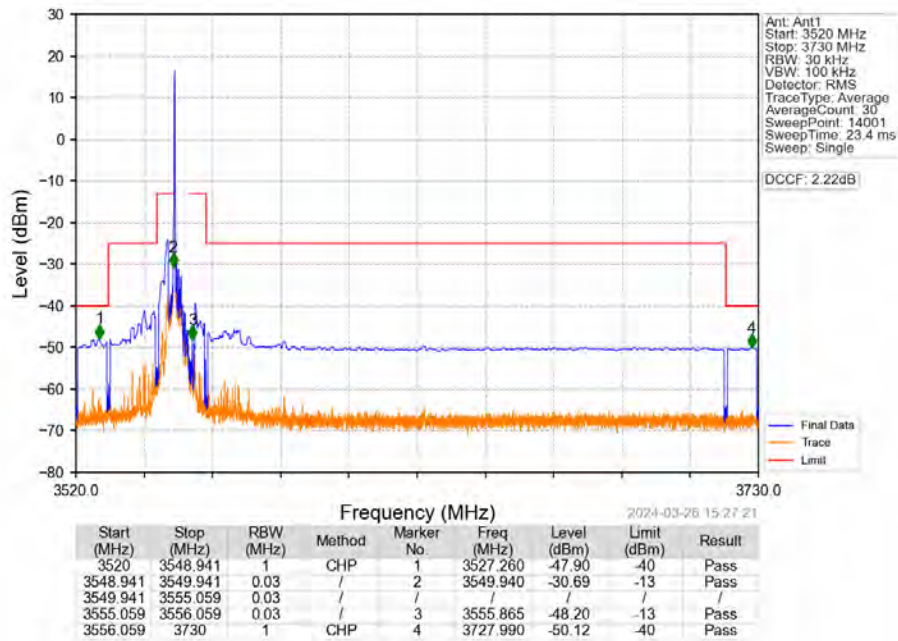


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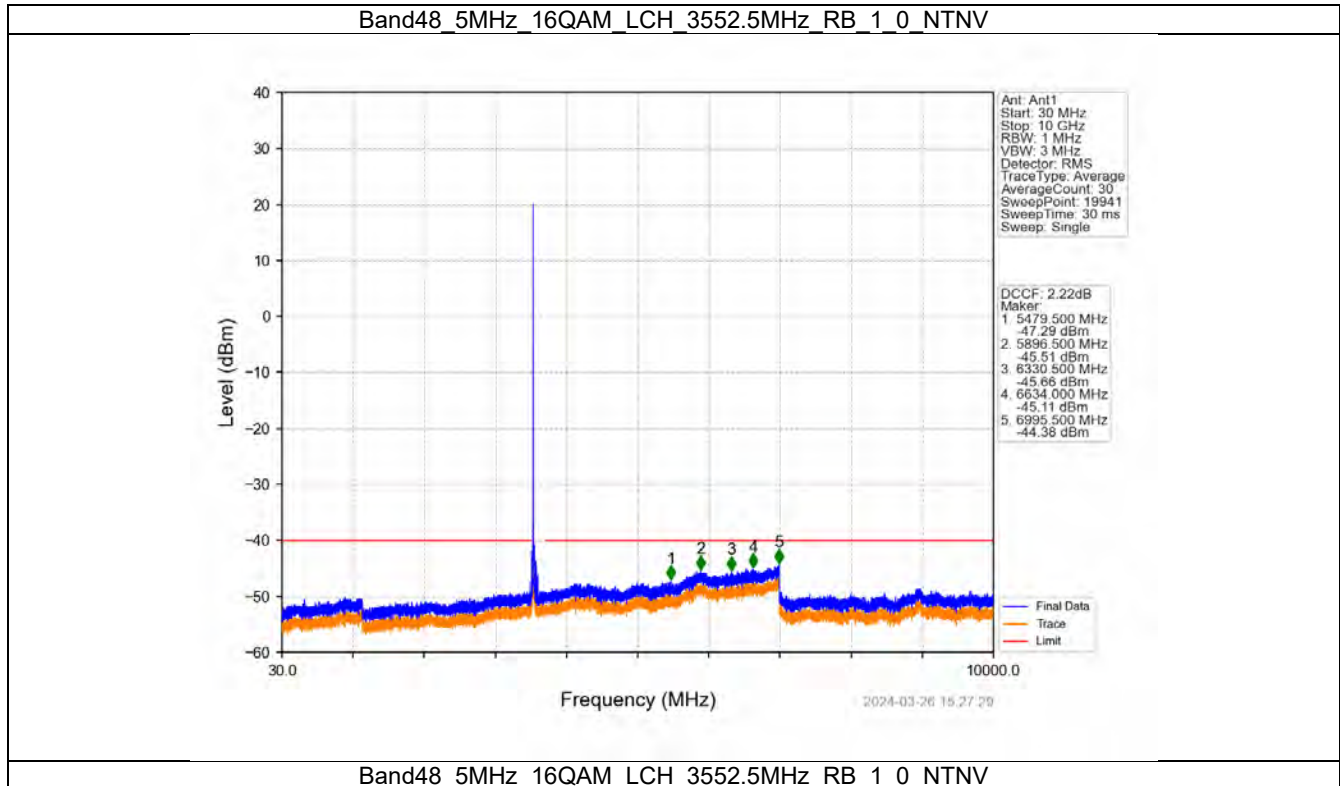


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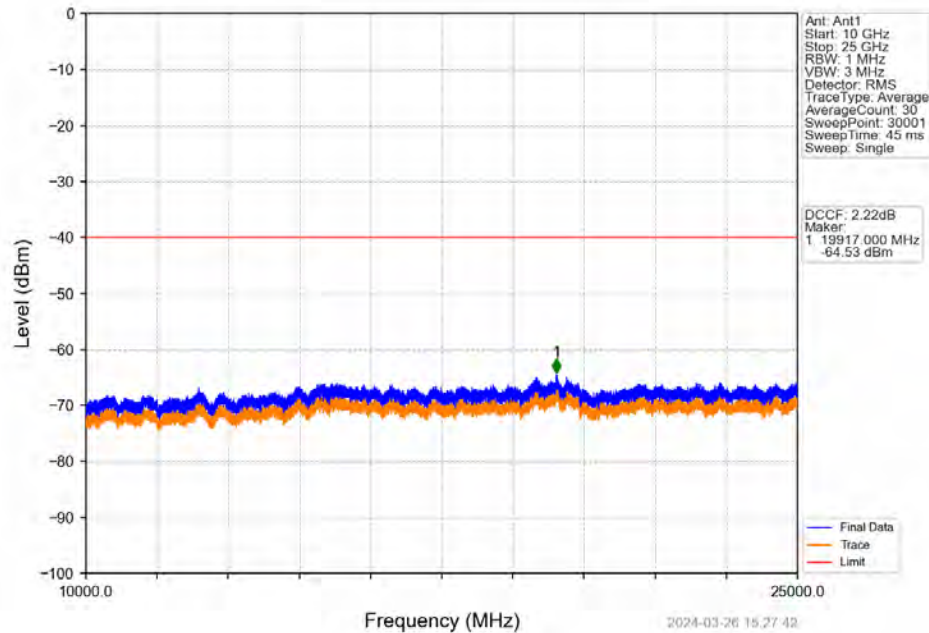


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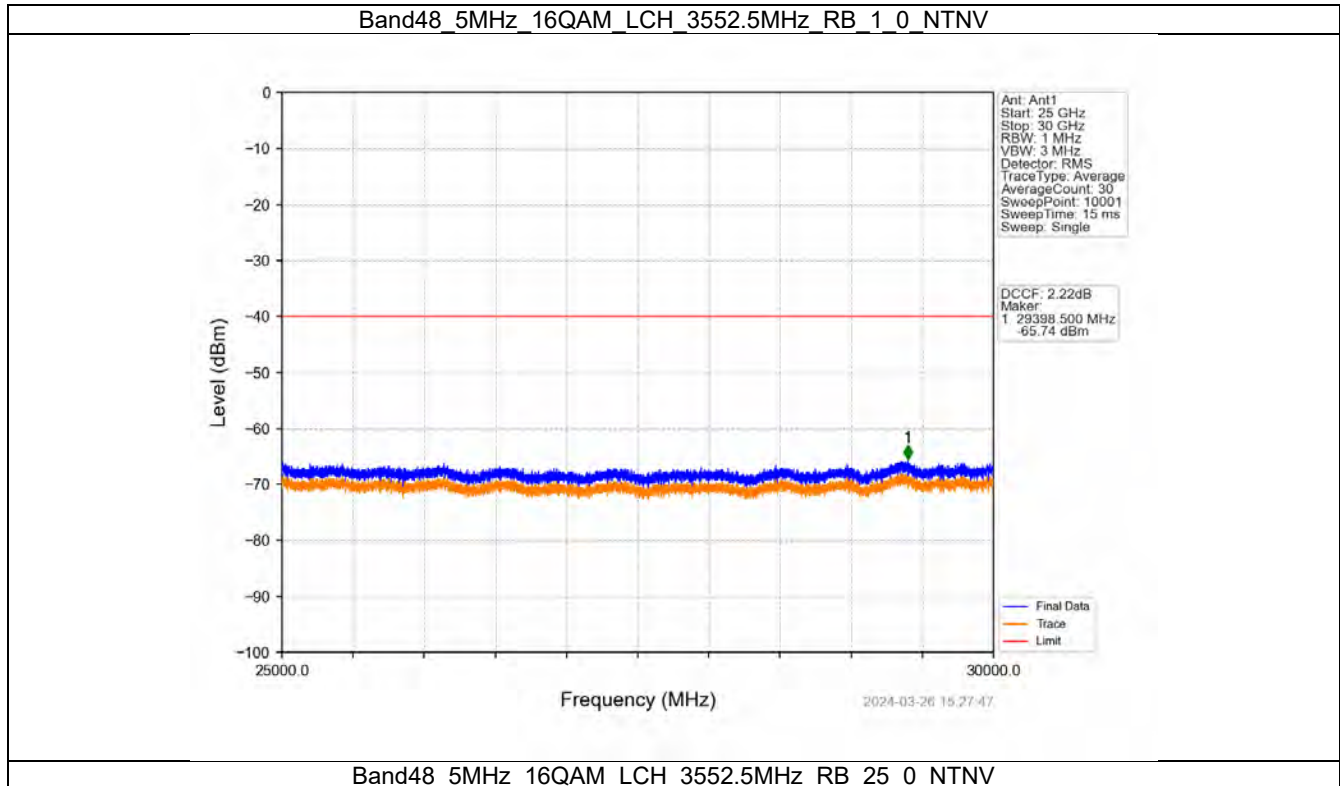


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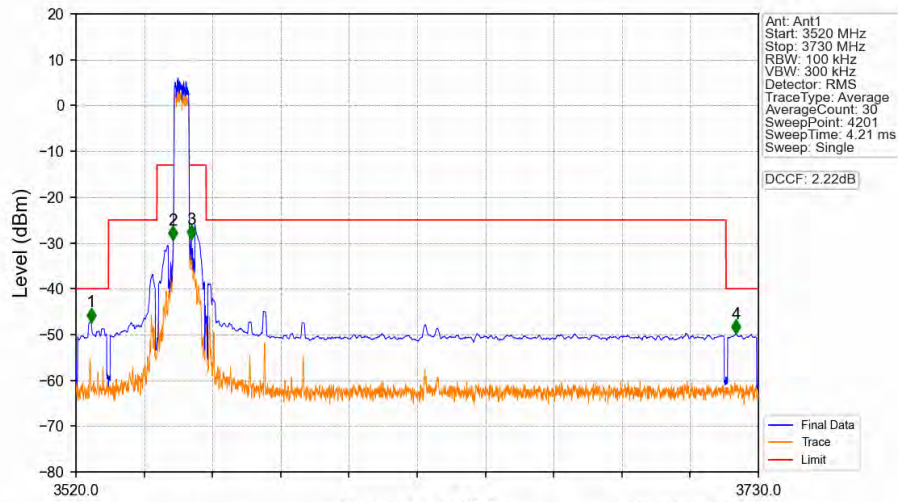


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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.941	1	CHP	1	3524.650	-47.28	-40	Pass
3548.941	3549.941	0.1	/	2	3549.900	-29.36	-13	Pass
3549.941	3555.059	0.1	/	/	/	/	/	/
3555.059	3556.059	0.1	/	3	3555.450	-29.27	-13	Pass
3556.059	3730	1	CHP	4	3723.100	-49.87	-40	Pass



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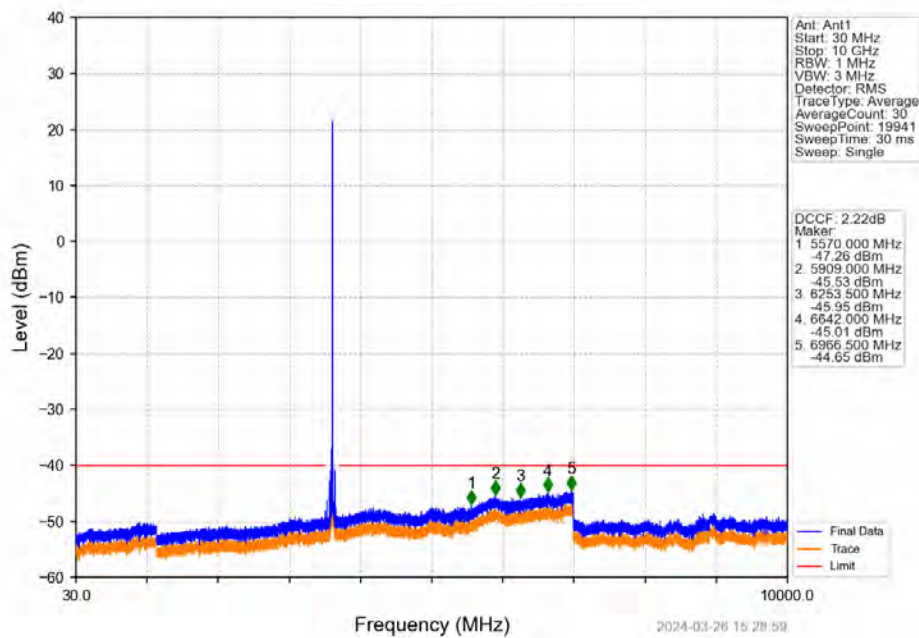
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Band48_5MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV



Band48_5MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV



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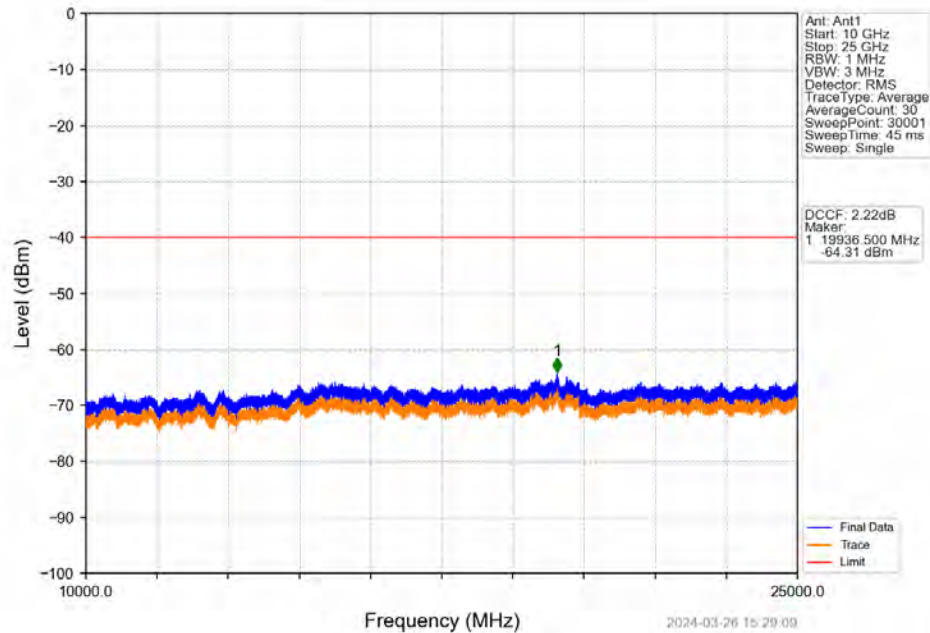


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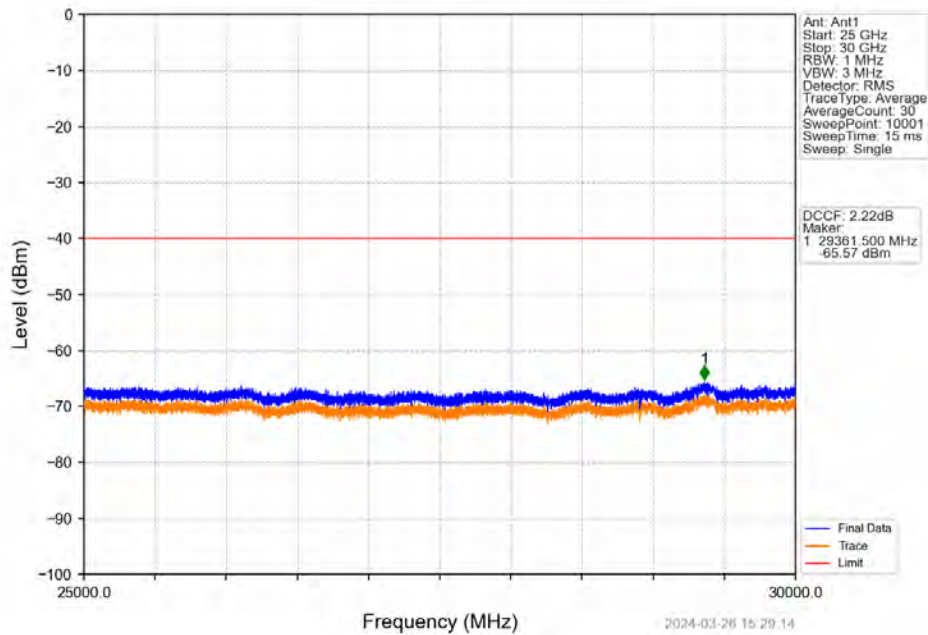
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Band48_5MHz_16QAM_HCH_3697.5MHz_RB_1_0_NTNV



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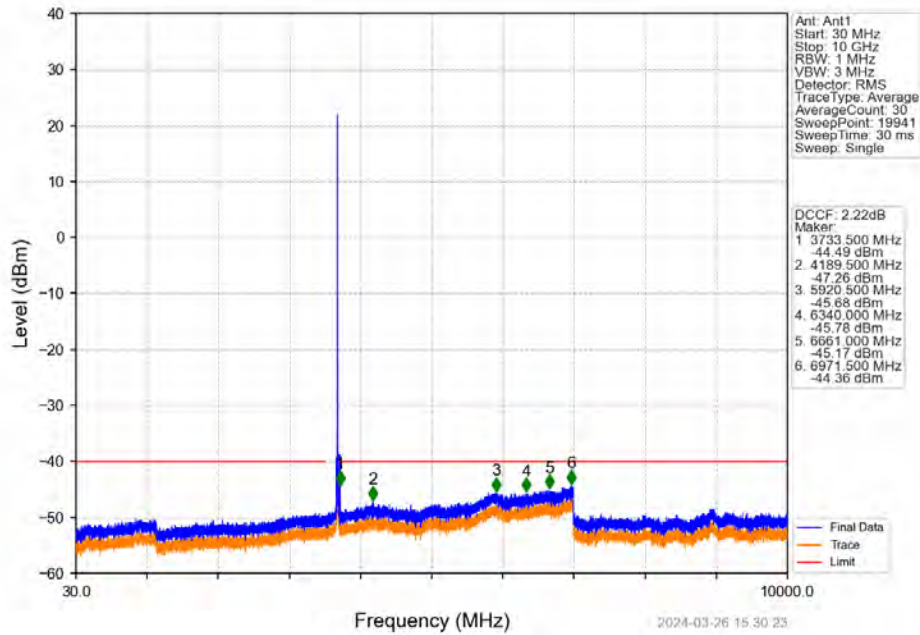


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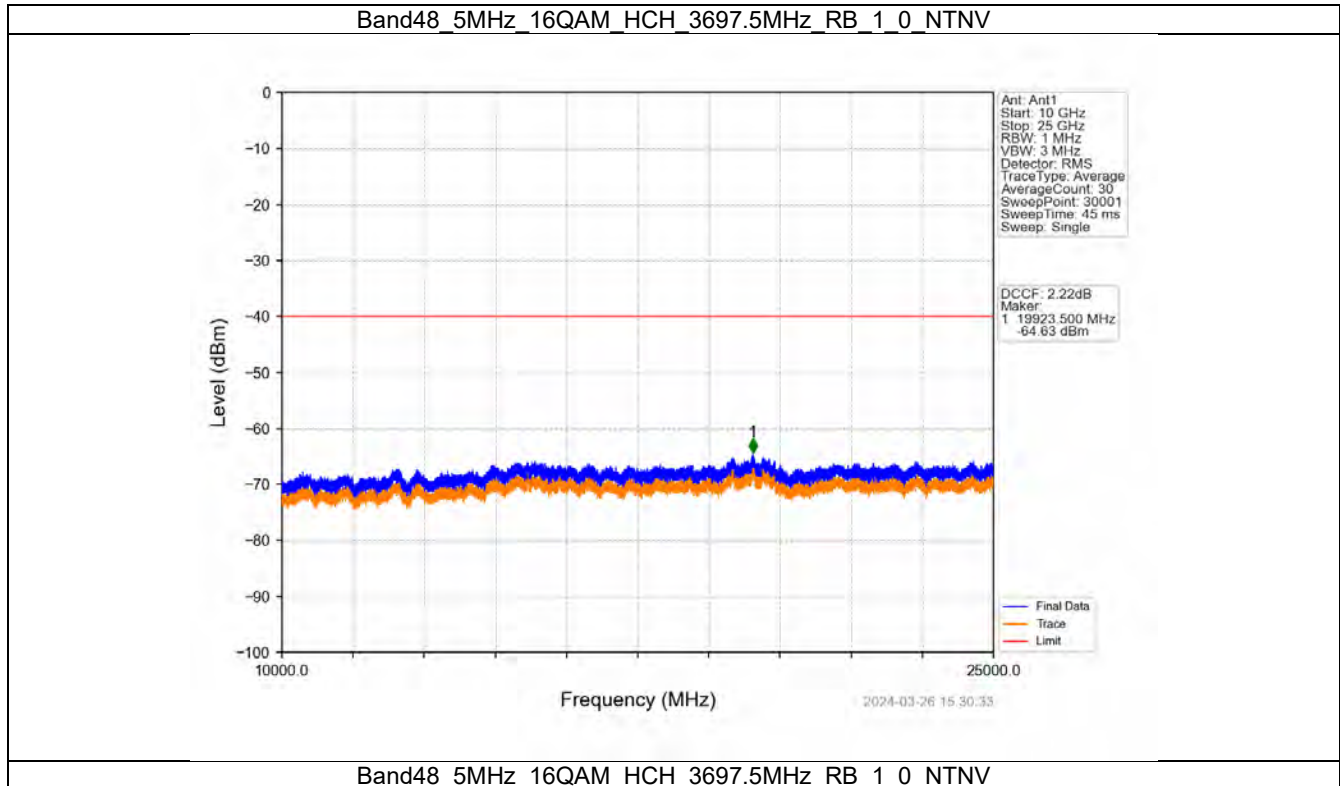


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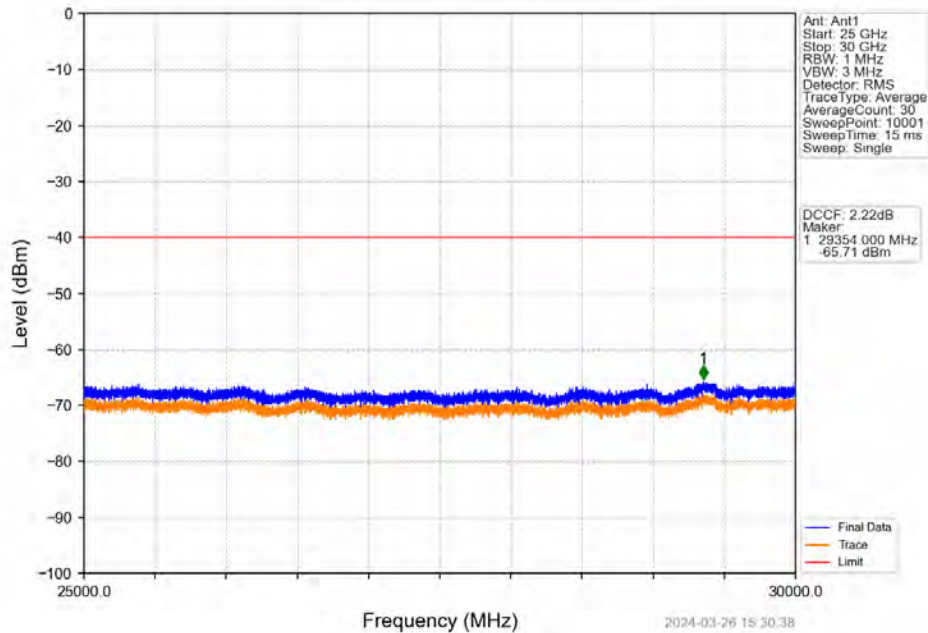


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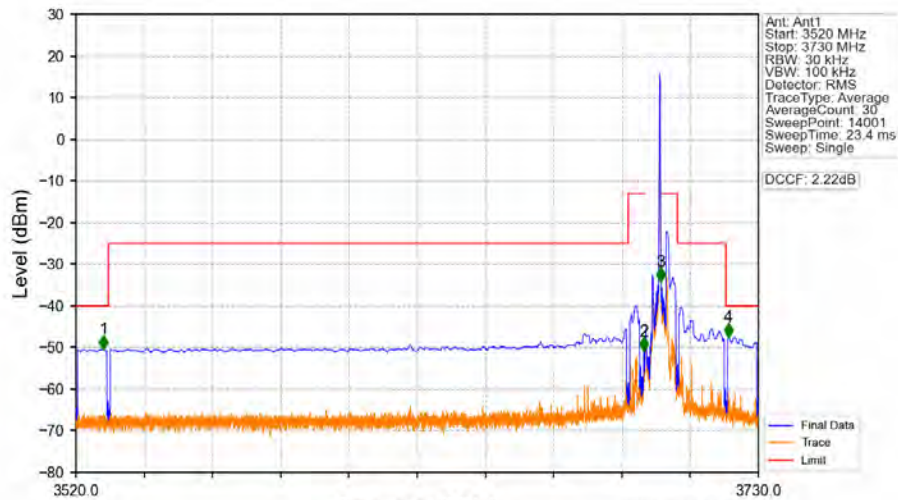
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3693.928	1	CHP	1	3528.550	-50.43	-40	Pass
3693.928	3694.928	0.03	/	2	3694.780	-50.98	-13	Pass
3694.928	3700.073	0.03	/	/	/	/	/	/
3700.073	3701.073	0.03	/	3	3700.075	-34.18	-13	Pass
3701.073	3730	1	CHP	4	3720.820	-47.53	-40	Pass

Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV



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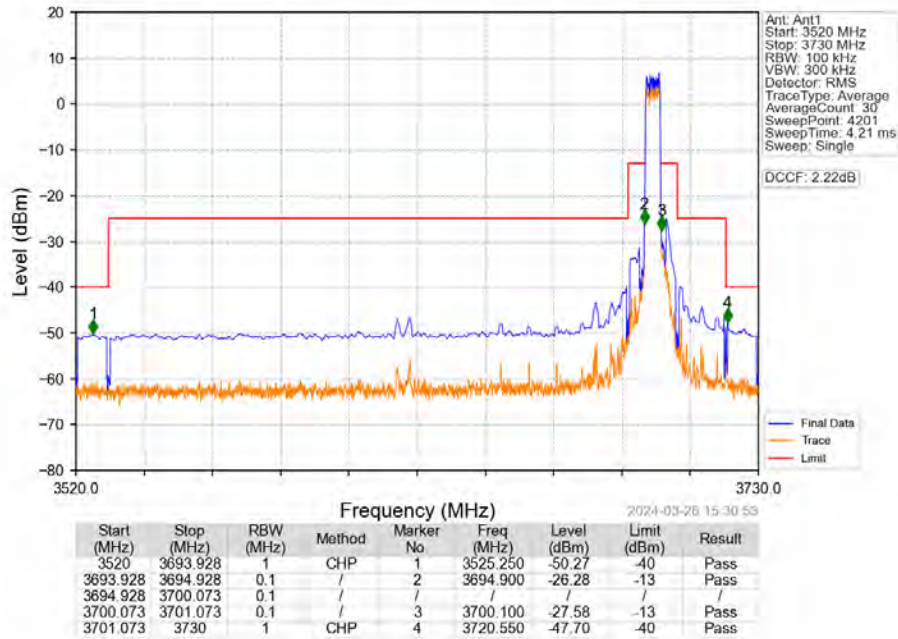


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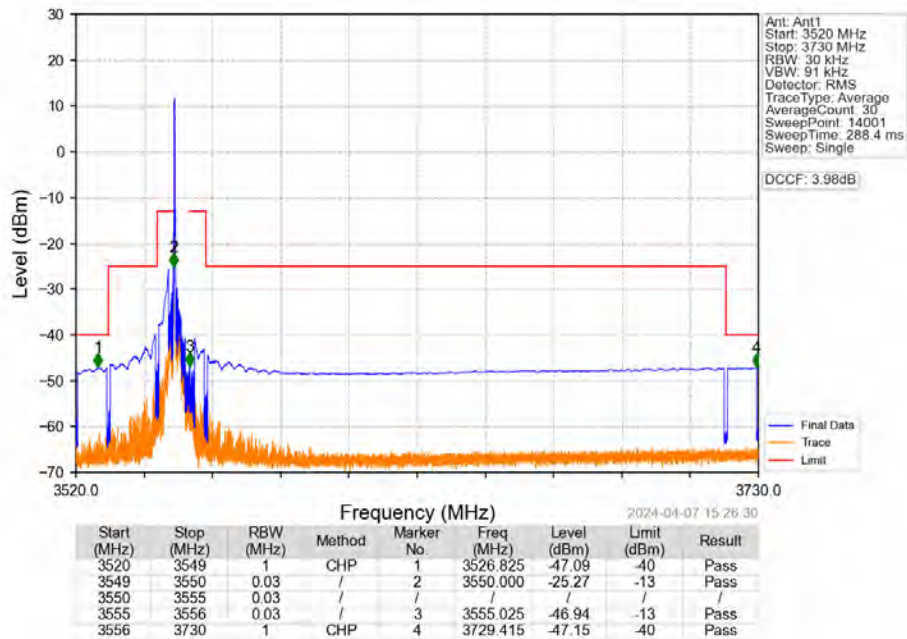
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Band48_5MHz_64QAM_LCH_3552.5MHz_RB_1_0_NTNV



Band48_5MHz_64QAM_LCH_3552.5MHz_RB_1_0_NTNV



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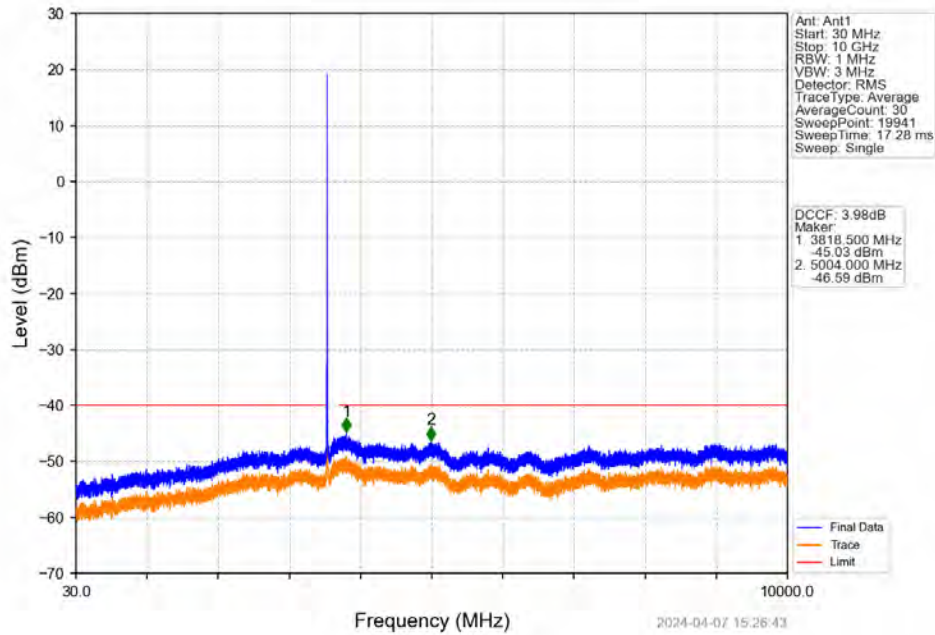


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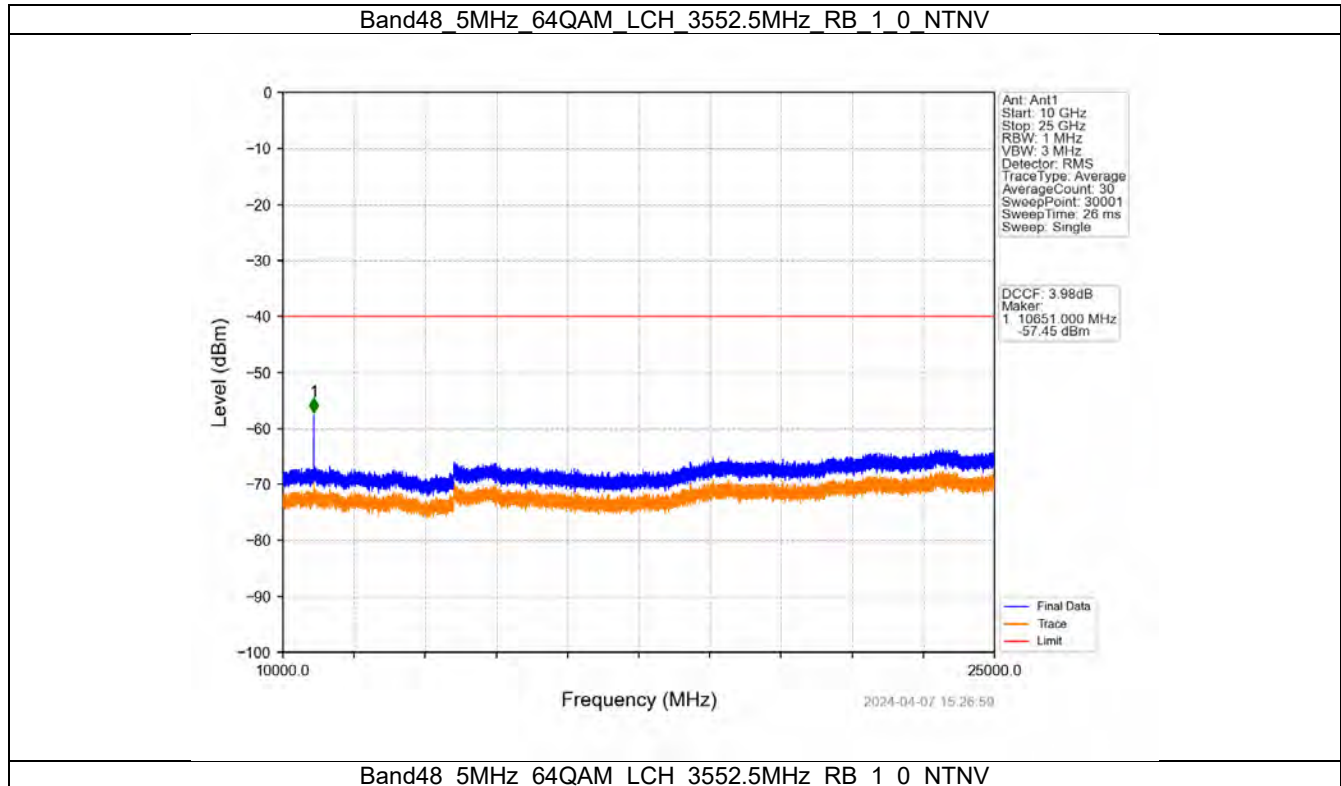


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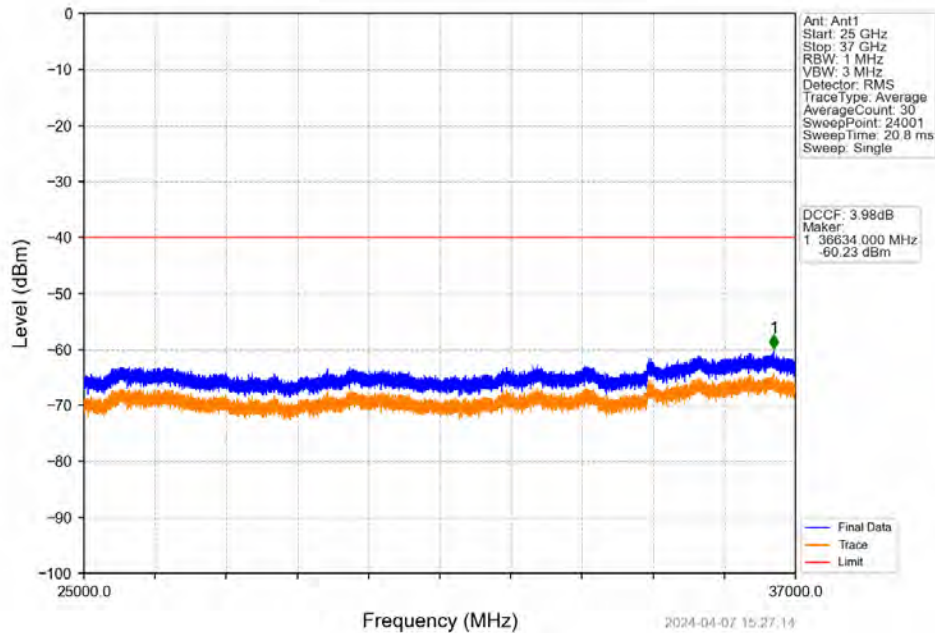


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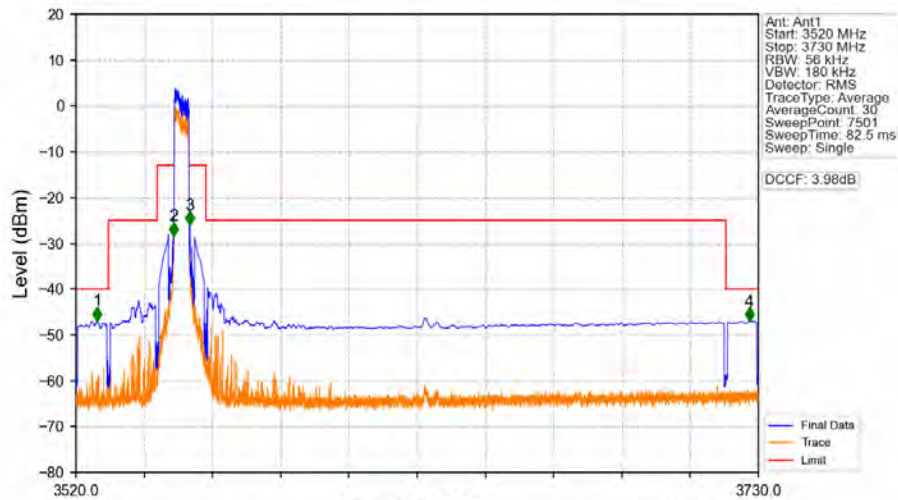
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Band48 5MHz 64QAM LCH 3552.5MHz RB 25 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3549	1	CHP	1	3526.496	-46.93	-40	Pass
3549	3550	0.056	/	2	3549.960	-28.43	-13	Pass
3550	3555	0.056	/	/	/	/	/	/
3555	3556	0.056	/	3	3555.028	-26.10	-13	Pass
3556	3730	1	CHP	4	3727.228	-47.01	-40	Pass

Band48 5MHz 64QAM MCH 3625MHz RB 1 0 NTV



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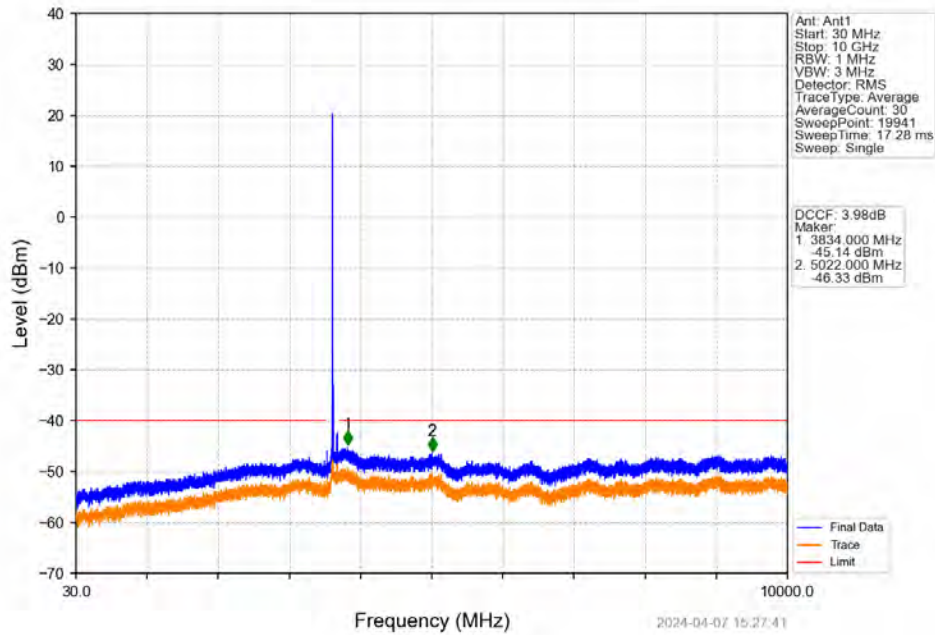


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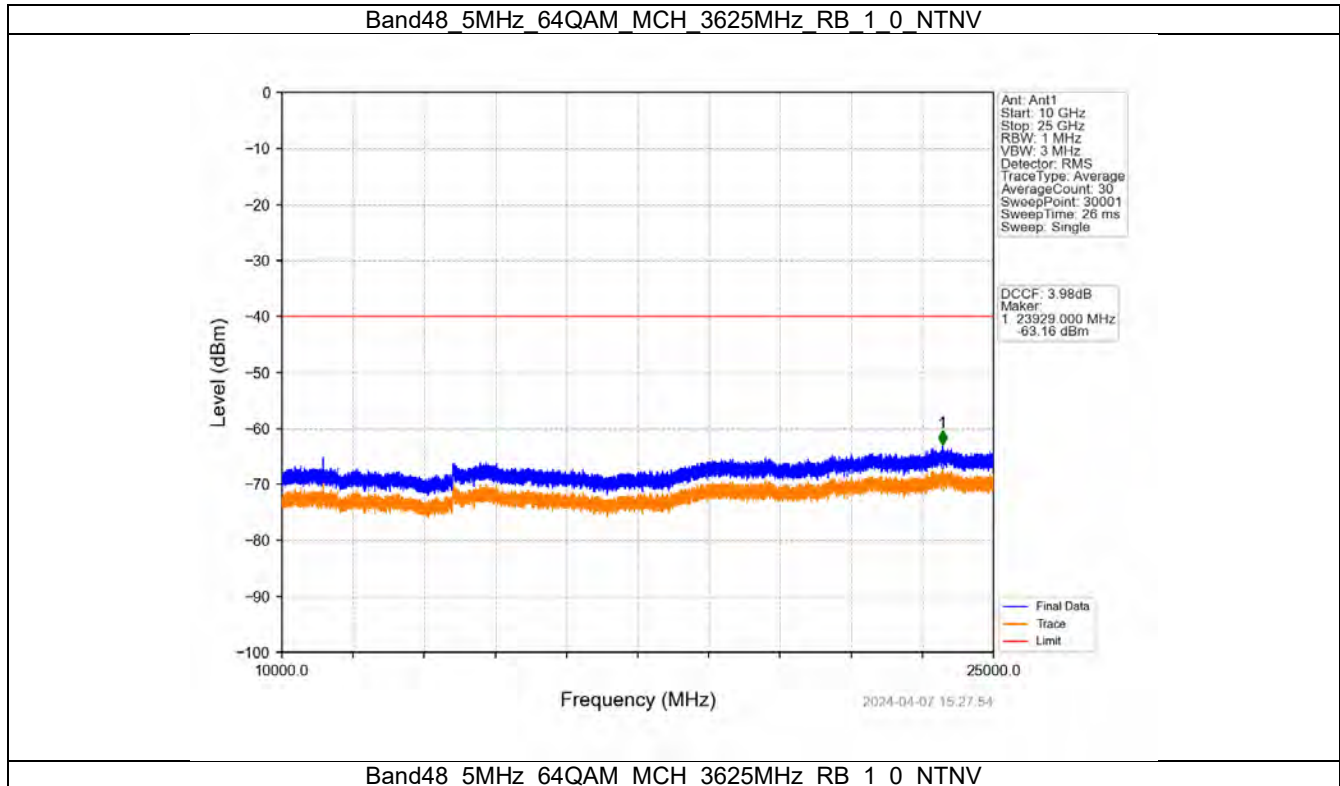


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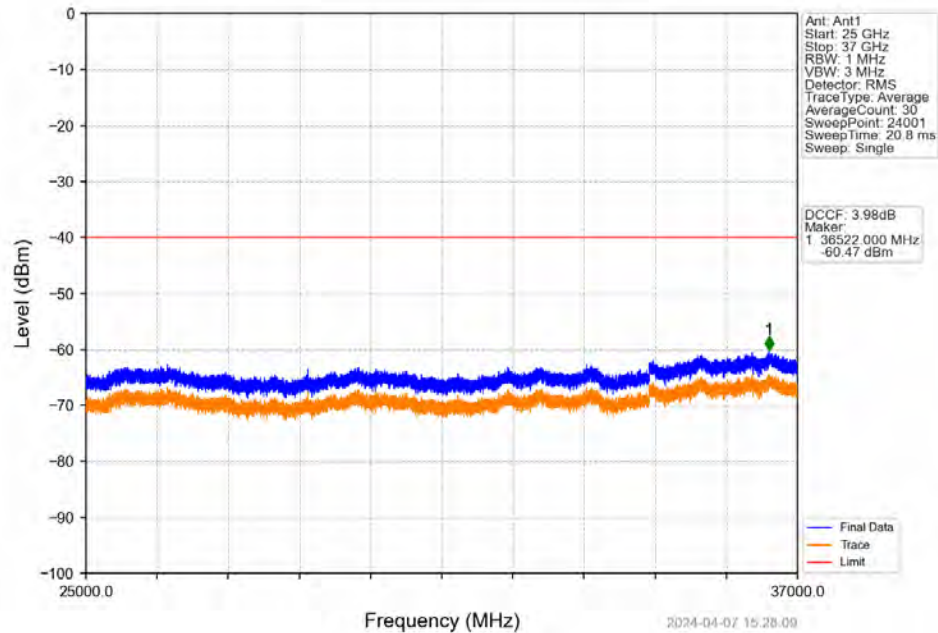


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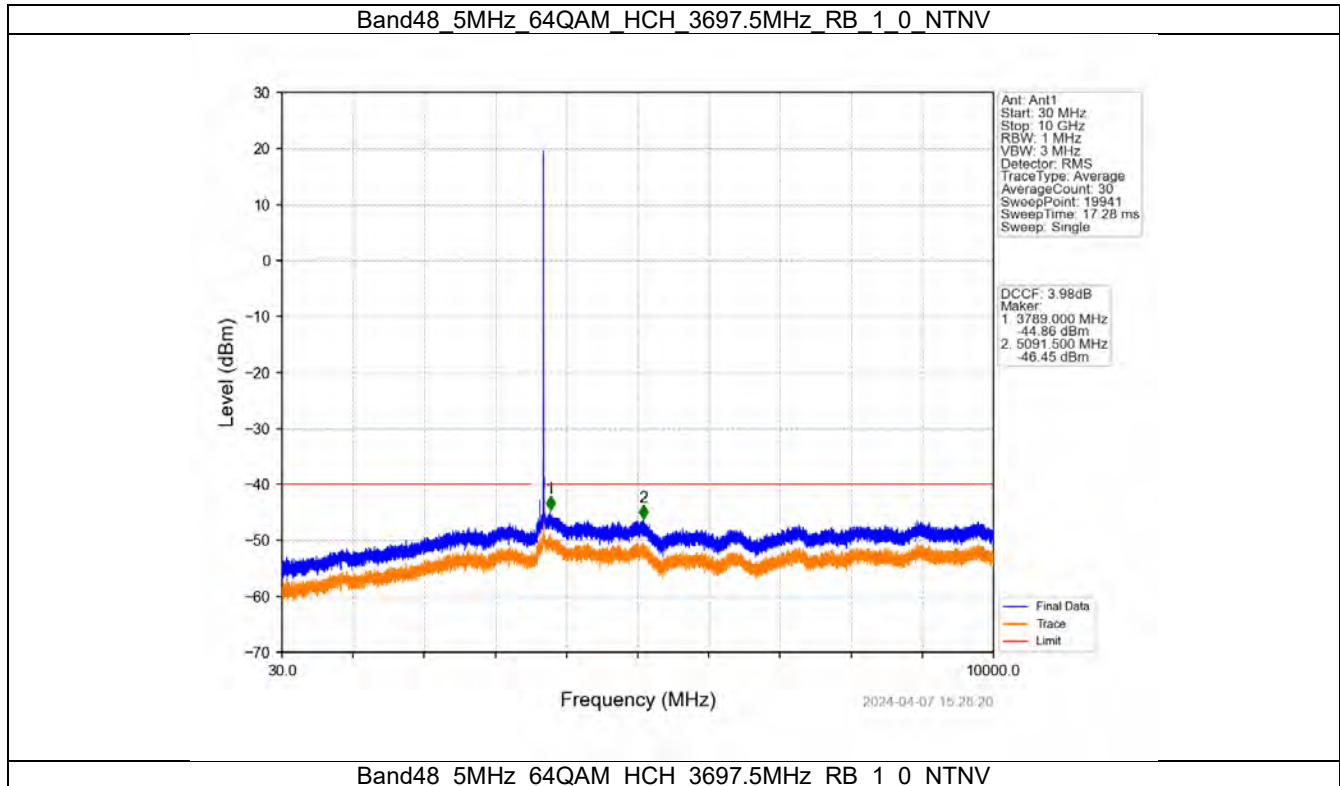


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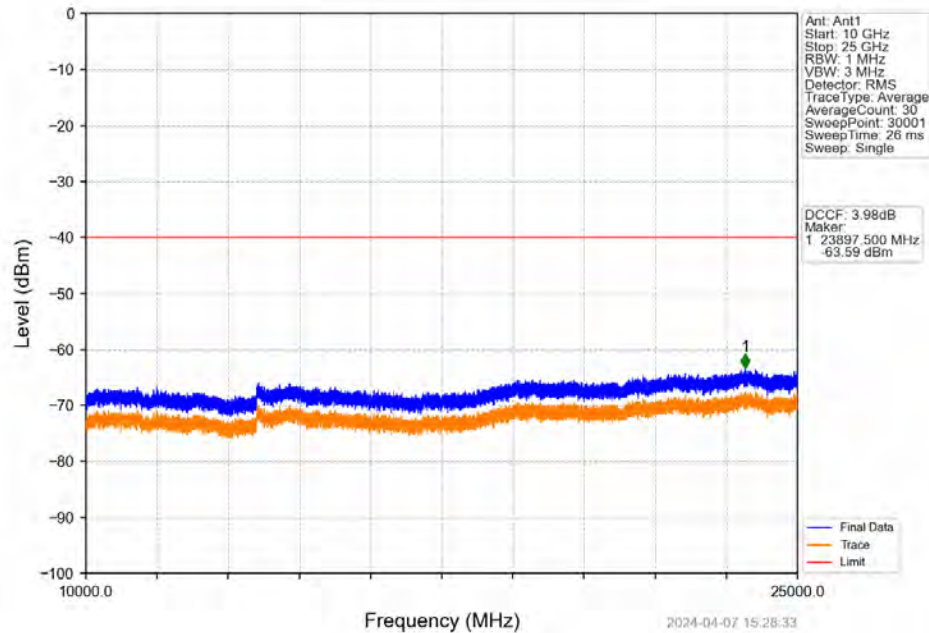


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