

1. Effective (Isotropic) Radiated Power Output Data

1.1 B42H_5MHz_EIRP

1.1.1 Test Result

Band: 42H / Bandwidth: 5MHz / NTV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	3452.5	1	0	25.73	3.68	29.41	<=30	Pass	
			13	25.62	3.68	29.30	<=30	Pass	
			24	25.36	3.68	29.04	<=30	Pass	
		12	0	25.42	3.68	29.10	<=30	Pass	
			6	25.46	3.68	29.14	<=30	Pass	
			13	25.42	3.68	29.10	<=30	Pass	
		25	0	25.58	3.68	29.26	<=30	Pass	
		3500	1	0	24.98	3.68	28.66	<=30	Pass
				13	24.92	3.68	28.60	<=30	Pass
	24			25.01	3.68	28.69	<=30	Pass	
	12		0	25.12	3.68	28.80	<=30	Pass	
			6	25.02	3.68	28.70	<=30	Pass	
			13	25.09	3.68	28.77	<=30	Pass	
	25		0	25.06	3.68	28.74	<=30	Pass	
	3547.5		1	0	25.45	3.68	29.13	<=30	Pass
				13	25.37	3.68	29.05	<=30	Pass
		24		25.44	3.68	29.12	<=30	Pass	
		12	0	25.41	3.68	29.09	<=30	Pass	



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			6	25.55	3.68	29.23	<=30	Pass		
			13	25.37	3.68	29.05	<=30	Pass		
		25	0	25.41	3.68	29.09	<=30	Pass		
16QAM	3452.5	1	0	25.95	3.68	29.63	<=30	Pass		
			13	26.06	3.68	29.74	<=30	Pass		
			24	25.75	3.68	29.43	<=30	Pass		
		12	0	25.65	3.68	29.33	<=30	Pass		
			6	25.85	3.68	29.53	<=30	Pass		
			13	25.86	3.68	29.54	<=30	Pass		
		25	0	25.44	3.68	29.12	<=30	Pass		
		3500	1	0	25.04	3.68	28.72	<=30	Pass	
				13	25.11	3.68	28.79	<=30	Pass	
	24			25.08	3.68	28.76	<=30	Pass		
	12		0	25.05	3.68	28.73	<=30	Pass		
			6	25.16	3.68	28.84	<=30	Pass		
			13	25.01	3.68	28.69	<=30	Pass		
	25		0	25.09	3.68	28.77	<=30	Pass		
	3547.5		1	0	25.66	3.68	29.34	<=30	Pass	
				13	25.61	3.68	29.29	<=30	Pass	
		24		25.65	3.68	29.33	<=30	Pass		
		12	0	25.63	3.68	29.31	<=30	Pass		
			6	25.62	3.68	29.30	<=30	Pass		
			13	25.74	3.68	29.42	<=30	Pass		
		25	0	25.51	3.68	29.19	<=30	Pass		
		64QAM	3452.5	1	0	26.30	3.68	29.98	<=30	Pass
					13	26.22	3.68	29.90	<=30	Pass



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		12	24	26.08	3.68	29.76	<=30	Pass
			0	25.99	3.68	29.67	<=30	Pass
			6	26.09	3.68	29.77	<=30	Pass
			13	26.13	3.68	29.81	<=30	Pass
		25	0	25.55	3.68	29.23	<=30	Pass
	3500	1	0	24.93	3.68	28.61	<=30	Pass
			13	24.89	3.68	28.57	<=30	Pass
			24	24.97	3.68	28.65	<=30	Pass
		12	0	24.95	3.68	28.63	<=30	Pass
			6	25.01	3.68	28.69	<=30	Pass
			13	25.09	3.68	28.77	<=30	Pass
	25	0	25.08	3.68	28.76	<=30	Pass	
	3547.5	1	0	25.86	3.68	29.54	<=30	Pass
			13	25.79	3.68	29.47	<=30	Pass
			24	25.85	3.68	29.53	<=30	Pass
		12	0	25.89	3.68	29.57	<=30	Pass
			6	25.91	3.68	29.59	<=30	Pass
			13	25.91	3.68	29.59	<=30	Pass
		25	0	25.48	3.68	29.16	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain



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1.2 B42H_10MHz_EIRP

1.2.1 Test Result

Band: 42H / Bandwidth: 10MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3455	1	0	25.95	3.68	29.63	<=30	Pass
			25	25.96	3.68	29.64	<=30	Pass
			49	25.55	3.68	29.23	<=30	Pass
		25	0	25.53	3.68	29.21	<=30	Pass
			13	25.66	3.68	29.34	<=30	Pass
			25	25.58	3.68	29.26	<=30	Pass
	50	0	25.41	3.68	29.09	<=30	Pass	
	3500	1	0	25.33	3.68	29.01	<=30	Pass
			25	25.35	3.68	29.03	<=30	Pass
			49	25.29	3.68	28.97	<=30	Pass
		25	0	25.25	3.68	28.93	<=30	Pass
			13	25.36	3.68	29.04	<=30	Pass
			25	25.33	3.68	29.01	<=30	Pass
	50	0	25.04	3.68	28.72	<=30	Pass	
	3545	1	0	25.81	3.68	29.49	<=30	Pass
			25	25.87	3.68	29.55	<=30	Pass
			49	25.71	3.68	29.39	<=30	Pass
		25	0	25.62	3.68	29.30	<=30	Pass
			13	25.63	3.68	29.31	<=30	Pass
			25	25.68	3.68	29.36	<=30	Pass



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		50	0	25.55	3.68	29.23	<=30	Pass	
16QAM	3455	1	0	25.81	3.68	29.49	<=30	Pass	
			25	25.78	3.68	29.46	<=30	Pass	
			49	25.43	3.68	29.11	<=30	Pass	
		25	0	25.36	3.68	29.04	<=30	Pass	
			13	25.35	3.68	29.03	<=30	Pass	
			25	25.50	3.68	29.18	<=30	Pass	
	50	0	25.43	3.68	29.11	<=30	Pass		
	3500	1	0	25.47	3.68	29.15	<=30	Pass	
			25	25.47	3.68	29.15	<=30	Pass	
			49	25.45	3.68	29.13	<=30	Pass	
		25	0	25.55	3.68	29.23	<=30	Pass	
			13	25.45	3.68	29.13	<=30	Pass	
			25	25.51	3.68	29.19	<=30	Pass	
	50	0	25.08	3.68	28.76	<=30	Pass		
	3545	1	0	26.06	3.68	29.74	<=30	Pass	
			25	26.15	3.68	29.83	<=30	Pass	
			49	25.94	3.68	29.62	<=30	Pass	
		25	0	25.97	3.68	29.65	<=30	Pass	
			13	25.84	3.68	29.52	<=30	Pass	
			25	26.01	3.68	29.69	<=30	Pass	
	50	0	25.56	3.68	29.24	<=30	Pass		
	64QAM	3455	1	0	26.17	3.68	29.85	<=30	Pass
				25	26.06	3.68	29.74	<=30	Pass
				49	25.79	3.68	29.47	<=30	Pass
25			0	25.86	3.68	29.54	<=30	Pass	



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		13	25.80	3.68	29.48	<=30	Pass	
		25	25.71	3.68	29.39	<=30	Pass	
		50	0	25.42	3.68	29.10	<=30	Pass
	3500	1	0	25.26	3.68	28.94	<=30	Pass
			25	25.37	3.68	29.05	<=30	Pass
			49	25.25	3.68	28.93	<=30	Pass
		25	0	25.35	3.68	29.03	<=30	Pass
			13	25.25	3.68	28.93	<=30	Pass
			25	25.27	3.68	28.95	<=30	Pass
	50	0	25.07	3.68	28.75	<=30	Pass	
	3545	1	0	25.68	3.68	29.36	<=30	Pass
			25	25.80	3.68	29.48	<=30	Pass
			49	25.58	3.68	29.26	<=30	Pass
		25	0	25.61	3.68	29.29	<=30	Pass
			13	25.58	3.68	29.26	<=30	Pass
			25	25.48	3.68	29.16	<=30	Pass
		50	0	25.56	3.68	29.24	<=30	Pass
	Note1: EIRP=Conducted Power+Antenna Gain							



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1.3 B42H_15MHz_EIRP

1.3.1 Test Result

Band: 42H / Bandwidth: 15MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3457.5	1	0	26.05	3.68	29.73	<=30	Pass
			38	26.07	3.68	29.75	<=30	Pass
			74	25.63	3.68	29.31	<=30	Pass
		36	0	25.53	3.68	29.21	<=30	Pass
			18	25.60	3.68	29.28	<=30	Pass
			39	25.58	3.68	29.26	<=30	Pass
	75	0	25.33	3.68	29.01	<=30	Pass	
	3500	1	0	25.83	3.68	29.51	<=30	Pass
			38	25.79	3.68	29.47	<=30	Pass
			74	25.42	3.68	29.10	<=30	Pass
		36	0	25.30	3.68	28.98	<=30	Pass
			18	25.38	3.68	29.06	<=30	Pass
			39	25.40	3.68	29.08	<=30	Pass
	75	0	24.96	3.68	28.64	<=30	Pass	
	3542.5	1	0	26.08	3.68	29.76	<=30	Pass
			38	26.17	3.68	29.85	<=30	Pass
			74	26.02	3.68	29.70	<=30	Pass
		36	0	26.04	3.68	29.72	<=30	Pass
			18	25.96	3.68	29.64	<=30	Pass
			39	26.00	3.68	29.68	<=30	Pass



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		75	0	25.48	3.68	29.16	<=30	Pass	
16QAM	3457.5	1	0	26.23	3.68	29.91	<=30	Pass	
			38	26.13	3.68	29.81	<=30	Pass	
			74	25.84	3.68	29.52	<=30	Pass	
		36	0	25.87	3.68	29.55	<=30	Pass	
			18	25.79	3.68	29.47	<=30	Pass	
			39	25.77	3.68	29.45	<=30	Pass	
		75	0	25.36	3.68	29.04	<=30	Pass	
	3500	1	0	25.93	3.68	29.61	<=30	Pass	
			38	26.04	3.68	29.72	<=30	Pass	
			74	25.66	3.68	29.34	<=30	Pass	
		36	0	25.60	3.68	29.28	<=30	Pass	
			18	25.72	3.68	29.40	<=30	Pass	
			39	25.70	3.68	29.38	<=30	Pass	
		75	0	24.94	3.68	28.62	<=30	Pass	
	3542.5	1	0	25.98	3.68	29.66	<=30	Pass	
			38	25.88	3.68	29.56	<=30	Pass	
			74	25.89	3.68	29.57	<=30	Pass	
		36	0	25.95	3.68	29.63	<=30	Pass	
			18	25.84	3.68	29.52	<=30	Pass	
			39	25.86	3.68	29.54	<=30	Pass	
		75	0	25.51	3.68	29.19	<=30	Pass	
	64QAM	3457.5	1	0	26.30	3.68	29.98	<=30	Pass
				38	26.30	3.68	29.98	<=30	Pass
				74	26.24	3.68	29.92	<=30	Pass
36			0	26.18	3.68	29.86	<=30	Pass	



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		18	26.14	3.68	29.82	<=30	Pass	
		39	26.27	3.68	29.95	<=30	Pass	
		75	0	25.31	3.68	28.99	<=30	Pass
	3500	1	0	25.58	3.68	29.26	<=30	Pass
			38	25.66	3.68	29.34	<=30	Pass
			74	25.29	3.68	28.97	<=30	Pass
		36	0	25.30	3.68	28.98	<=30	Pass
			18	25.34	3.68	29.02	<=30	Pass
			39	25.37	3.68	29.05	<=30	Pass
			75	0	24.98	3.68	28.66	<=30
	3542.5	1	0	26.31	3.68	29.99	<=30	Pass
			38	26.24	3.68	29.92	<=30	Pass
			74	26.26	3.68	29.94	<=30	Pass
		36	0	26.27	3.68	29.95	<=30	Pass
			18	26.23	3.68	29.91	<=30	Pass
			39	26.30	3.68	29.98	<=30	Pass
			75	0	25.51	3.68	29.19	<=30
	Note1: EIRP=Conducted Power+Antenna Gain							



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1.4 B42H_20MHz_EIRP

1.4.1 Test Result

Band: 42H / Bandwidth: 20MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3460	1	0	26.21	3.68	29.89	<=30	Pass
			50	26.14	3.68	29.82	<=30	Pass
			99	25.9	3.68	29.58	<=30	Pass
		50	0	25.8	3.68	29.48	<=30	Pass
			25	25.85	3.68	29.53	<=30	Pass
			50	25.84	3.68	29.52	<=30	Pass
	100	0	25.56	3.68	29.24	<=30	Pass	
	3500	1	0	25.98	3.68	29.66	<=30	Pass
			50	26.01	3.68	29.69	<=30	Pass
			99	25.91	3.68	29.59	<=30	Pass
		50	0	25.86	3.68	29.54	<=30	Pass
			25	25.94	3.68	29.62	<=30	Pass
			50	25.93	3.68	29.61	<=30	Pass
	100	0	25.46	3.68	29.14	<=30	Pass	
	3540	1	0	26.27	3.68	29.95	<=30	Pass
			50	26.24	3.68	29.92	<=30	Pass
			99	26.18	3.68	29.86	<=30	Pass
		50	0	26.09	3.68	29.77	<=30	Pass
			25	26.18	3.68	29.86	<=30	Pass
			50	26.07	3.68	29.75	<=30	Pass



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		100	0	25.88	3.68	29.56	<=30	Pass	
16QAM	3460	1	0	26.26	3.68	29.94	<=30	Pass	
			50	26.16	3.68	29.84	<=30	Pass	
			99	25.96	3.68	29.64	<=30	Pass	
		50	0	25.91	3.68	29.59	<=30	Pass	
			25	25.86	3.68	29.54	<=30	Pass	
			50	25.85	3.68	29.53	<=30	Pass	
	100	0	25.61	3.68	29.29	<=30	Pass		
	3500	1	0	26.22	3.68	29.90	<=30	Pass	
			50	26.27	3.68	29.95	<=30	Pass	
			99	26.07	3.68	29.75	<=30	Pass	
		50	0	26.12	3.68	29.80	<=30	Pass	
			25	26.03	3.68	29.71	<=30	Pass	
			50	26.05	3.68	29.73	<=30	Pass	
	100	0	25.5	3.68	29.18	<=30	Pass		
	3540	1	0	26.27	3.68	29.95	<=30	Pass	
			50	26.26	3.68	29.94	<=30	Pass	
			99	26.16	3.68	29.84	<=30	Pass	
		50	0	26.17	3.68	29.85	<=30	Pass	
			25	26.3	3.68	29.98	<=30	Pass	
			50	26.17	3.68	29.85	<=30	Pass	
	100	0	25.9	3.68	29.58	<=30	Pass		
	64QAM	3460	1	0	26.25	3.68	29.93	<=30	Pass
				50	26.15	3.68	29.83	<=30	Pass
				99	25.84	3.68	29.52	<=30	Pass
50			0	25.9	3.68	29.58	<=30	Pass	



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		25	25.8	3.68	29.48	<=30	Pass		
		50	25.75	3.68	29.43	<=30	Pass		
		100	0	25.61	3.68	29.29	<=30	Pass	
	3500	1	0	26.27	3.68	29.95	<=30	Pass	
			50	26.19	3.68	29.87	<=30	Pass	
			99	26.17	3.68	29.85	<=30	Pass	
		50	0	26.24	3.68	29.92	<=30	Pass	
			25	26.19	3.68	29.87	<=30	Pass	
			50	26.21	3.68	29.89	<=30	Pass	
		100	0	25.53	3.68	29.21	<=30	Pass	
		3540	1	0	26.06	3.68	29.74	<=30	Pass
				50	26.17	3.68	29.85	<=30	Pass
	99			26.14	3.68	29.82	<=30	Pass	
	50		0	26.15	3.68	29.83	<=30	Pass	
			25	26.13	3.68	29.81	<=30	Pass	
			50	26.04	3.68	29.72	<=30	Pass	
	100		0	25.89	3.68	29.57	<=30	Pass	
	Note1: EIRP=Conducted Power+Antenna Gain								



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1.5 B48_5MHz_EIRP

1.5.1 Test Result

Band: 48 / Bandwidth: 5MHz / NTN												
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Conducted Power (dBm /10MHz)	Gain (dbi)	Maximum EIRP (dBm/10MHz)		Maximum PSD (dBm/MHz)		Verdict	
		Size	Offset				Result	Limit	Result	Limit		
QPSK	3552.5	1	0	19.87	19.87	3.55	23.42	<=30	19.87	<=20	Pass	
			13	19.92	19.92	3.55	23.47	<=30	19.92	<=20	Pass	
			24	19.98	19.98	3.55	23.53	<=30	19.98	<=20	Pass	
		12	0	23.31	23.31	3.55	26.86	<=30	19.97	<=20	Pass	
			6	23.17	23.17	3.55	26.72	<=30	19.83	<=20	Pass	
			13	23.11	23.11	3.55	26.66	<=30	19.77	<=20	Pass	
		25	0	22.86	22.86	3.55	26.41	<=30	16.33	<=20	Pass	
		3625	1	0	19.84	19.84	3.55	23.39	<=30	19.84	<=20	Pass
				13	19.92	19.92	3.55	23.47	<=30	19.92	<=20	Pass
	24			19.90	19.90	3.55	23.45	<=30	19.90	<=20	Pass	
	12		0	23.01	23.01	3.55	26.56	<=30	19.67	<=20	Pass	
			6	23.28	23.28	3.55	26.83	<=30	19.94	<=20	Pass	
			13	23.27	23.27	3.55	26.82	<=30	19.93	<=20	Pass	
	25		0	22.85	22.85	3.55	26.40	<=30	16.32	<=20	Pass	
	3697.5		1	0	19.87	19.87	3.55	23.42	<=30	19.87	<=20	Pass
				13	19.94	19.94	3.55	23.49	<=30	19.94	<=20	Pass
		24		19.94	19.94	3.55	23.49	<=30	19.94	<=20	Pass	
		12	0	23.11	23.11	3.55	26.66	<=30	19.77	<=20	Pass	
			6	23.02	23.02	3.55	26.57	<=30	19.68	<=20	Pass	
			13	23.14	23.14	3.55	26.69	<=30	19.80	<=20	Pass	

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		25	0	22.84	22.84	3.55	26.39	<=30	16.31	<=20	Pass		
16QAM	3552.5	1	0	19.87	19.87	3.55	23.42	<=30	19.87	<=20	Pass		
			13	19.82	19.82	3.55	23.37	<=30	19.82	<=20	Pass		
			24	19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass		
		12	0	23.26	23.26	3.55	26.81	<=30	19.92	<=20	Pass		
			6	23.04	23.04	3.55	26.59	<=30	19.70	<=20	Pass		
			13	23.15	23.15	3.55	26.70	<=30	19.81	<=20	Pass		
		25	0	22.74	22.74	3.55	26.29	<=30	16.21	<=20	Pass		
		3625	1	0	19.82	19.82	3.55	23.37	<=30	19.82	<=20	Pass	
				13	19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass	
	24			19.52	19.52	3.55	23.07	<=30	19.52	<=20	Pass		
	12		0	22.67	22.67	3.55	26.22	<=30	19.33	<=20	Pass		
			6	23.30	23.30	3.55	26.85	<=30	19.96	<=20	Pass		
			13	23.21	23.21	3.55	26.76	<=30	19.87	<=20	Pass		
	25		0	22.74	22.74	3.55	26.29	<=30	16.21	<=20	Pass		
	3697.5		1	0	19.78	19.78	3.55	23.33	<=30	19.78	<=20	Pass	
				13	19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass	
		24		19.78	19.78	3.55	23.33	<=30	19.78	<=20	Pass		
		12	0	19.84	19.84	3.55	23.39	<=30	16.50	<=20	Pass		
			6	23.13	23.13	3.55	26.68	<=30	19.79	<=20	Pass		
			13	23.04	23.04	3.55	26.59	<=30	19.70	<=20	Pass		
		25	0	22.76	22.76	3.55	26.31	<=30	16.23	<=20	Pass		
		64QAM	3552.5	1	0	19.78	19.78	3.55	23.33	<=30	19.78	<=20	Pass
					13	19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass
	24				19.81	19.81	3.55	23.36	<=30	19.81	<=20	Pass	
12	0			23.23	23.23	3.55	26.78	<=30	19.89	<=20	Pass		



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3625	25	6	23.11	23.11	3.55	26.66	<=30	19.77	<=20	Pass	
		13	23.08	23.08	3.55	26.63	<=30	19.74	<=20	Pass	
		0	22.79	22.79	3.55	26.34	<=30	16.26	<=20	Pass	
	1	0	19.87	19.87	3.55	23.42	<=30	19.87	<=20	Pass	
			13	19.87	19.87	3.55	23.42	<=30	19.87	<=20	Pass
			24	19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass
		12	0	23.05	23.05	3.55	26.60	<=30	19.71	<=20	Pass
			6	23.30	23.30	3.55	26.85	<=30	19.96	<=20	Pass
			13	23.16	23.16	3.55	26.71	<=30	19.82	<=20	Pass
	25	0	22.63	22.63	3.55	26.18	<=30	16.10	<=20	Pass	
	3697.5	1	0	19.78	19.78	3.55	23.33	<=30	19.78	<=20	Pass
			13	19.81	19.81	3.55	23.36	<=30	19.81	<=20	Pass
24			19.79	19.79	3.55	23.34	<=30	19.79	<=20	Pass	
12		0	23.14	23.14	3.55	26.69	<=30	19.80	<=20	Pass	
		6	23.01	23.01	3.55	26.56	<=30	19.67	<=20	Pass	
		13	23.00	23.00	3.55	26.55	<=30	19.66	<=20	Pass	
25		0	22.57	22.57	3.55	26.12	<=30	16.04	<=20	Pass	

Note: Maximum EIRP (dBm/10MHz) = Conducted Power (dBm /10MHz) + Antenna Gain (dBi)



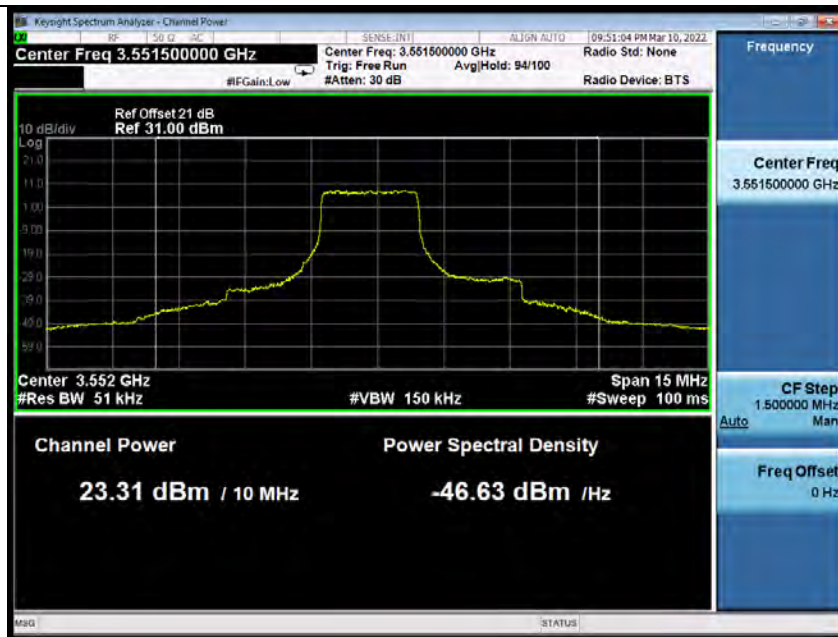
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Band48_5MHz_QPSK_LCH_3552.5MHz_RB_12_0_NTNV



Remark: For Maximum EIRP test, we only show the plot of the worst test results

Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_24_NTNV



Remark: For PSD test, we only show the plot of the worst test results



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1.6 B48_10MHz_EIRP

1.6.1 Test Result

Band: 48 / Bandwidth: 10MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Conducted Power (dBm /10MHz)	Gain (dbi)	Maximum EIRP (dBm/10MHz)		Maximum PSD (dBm/MHz)		Verdict	
		Size	Offset				Result	Limit	Result	Limit		
QPSK	3555	1	0	19.85	19.85	3.55	23.40	<=30	19.85	<=20	Pass	
			25	19.96	19.96	3.55	23.51	<=30	19.96	<=20	Pass	
			49	19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass	
		25	0	23.02	23.02	3.55	26.57	<=30	16.49	<=20	Pass	
			13	23.26	23.26	3.55	26.81	<=30	16.73	<=20	Pass	
			25	23.44	23.44	3.55	26.99	<=30	16.91	<=20	Pass	
		50	0	23.26	23.26	3.55	26.81	<=30	13.72	<=20	Pass	
		3625	1	0	19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass
				25	19.88	19.88	3.55	23.43	<=30	19.88	<=20	Pass
	49			19.92	19.92	3.55	23.47	<=30	19.92	<=20	Pass	
	25		0	23.18	23.18	3.55	26.73	<=30	16.65	<=20	Pass	
			13	23.29	23.29	3.55	26.84	<=30	16.76	<=20	Pass	
			25	23.20	23.20	3.55	26.75	<=30	16.67	<=20	Pass	
	50	0	23.16	23.16	3.55	26.71	<=30	13.62	<=20	Pass		
	3695	1	0	19.89	19.89	3.55	23.44	<=30	19.89	<=20	Pass	
			25	19.98	19.98	3.55	23.53	<=30	19.98	<=20	Pass	
			49	19.86	19.86	3.55	23.41	<=30	19.86	<=20	Pass	
		25	0	24.26	24.26	3.55	27.81	<=30	17.73	<=20	Pass	
			13	24.42	24.42	3.55	27.97	<=30	17.89	<=20	Pass	



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			25	24.45	24.45	3.55	28.00	<=30	17.92	<=20	Pass		
		50	0	24.29	24.29	3.55	27.84	<=30	14.75	<=20	Pass		
16QAM	3555	1	0	19.83	19.83	3.55	23.38	<=30	19.83	<=20	Pass		
			25	19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass		
			49	19.78	19.78	3.55	23.33	<=30	19.78	<=20	Pass		
		25	0	23.06	23.06	3.55	26.61	<=30	16.53	<=20	Pass		
			13	23.37	23.37	3.55	26.92	<=30	16.84	<=20	Pass		
			25	23.45	23.45	3.55	27.00	<=30	16.92	<=20	Pass		
		50	0	23.31	23.31	3.55	26.86	<=30	13.77	<=20	Pass		
		3625	1	0	19.79	19.79	3.55	23.34	<=30	19.79	<=20	Pass	
				25	19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass	
	49			19.77	19.77	3.55	23.32	<=30	19.77	<=20	Pass		
	25		0	23.14	23.14	3.55	26.69	<=30	16.61	<=20	Pass		
			13	23.31	23.31	3.55	26.86	<=30	16.78	<=20	Pass		
			25	23.16	23.16	3.55	26.71	<=30	16.63	<=20	Pass		
	50		0	23.15	23.15	3.55	26.70	<=30	13.61	<=20	Pass		
	3695		1	0	19.76	19.76	3.55	23.31	<=30	19.76	<=20	Pass	
				25	19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass	
		49		19.76	19.76	3.55	23.31	<=30	19.76	<=20	Pass		
		25	0	24.25	24.25	3.55	27.80	<=30	17.72	<=20	Pass		
			13	24.34	24.34	3.55	27.89	<=30	17.81	<=20	Pass		
			25	24.43	24.43	3.55	27.98	<=30	17.90	<=20	Pass		
		50	0	24.24	24.24	3.55	27.79	<=30	14.70	<=20	Pass		
		64QAM	3555	1	0	19.75	19.75	3.55	23.30	<=30	19.75	<=20	Pass
					25	19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass
	49				19.77	19.77	3.55	23.32	<=30	19.77	<=20	Pass	



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3625	25	0	23.14	23.14	3.55	26.69	<=30	16.61	<=20	Pass	
		13	23.31	23.31	3.55	26.86	<=30	16.78	<=20	Pass	
		25	23.29	23.29	3.55	26.84	<=30	16.76	<=20	Pass	
	50	0	23.21	23.21	3.55	26.76	<=30	13.67	<=20	Pass	
		1	0	19.83	19.83	3.55	23.38	<=30	19.83	<=20	Pass
			25	19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass
	49		19.74	19.74	3.55	23.29	<=30	19.74	<=20	Pass	
	25	0	23.30	23.30	3.55	26.85	<=30	16.77	<=20	Pass	
		13	23.33	23.33	3.55	26.88	<=30	16.80	<=20	Pass	
		25	23.33	23.33	3.55	26.88	<=30	16.80	<=20	Pass	
	50	0	23.26	23.26	3.55	26.81	<=30	13.72	<=20	Pass	
	3695	1	0	19.73	19.73	3.55	23.28	<=30	19.73	<=20	Pass
25			19.82	19.82	3.55	23.37	<=30	19.82	<=20	Pass	
49			19.75	19.75	3.55	23.30	<=30	19.75	<=20	Pass	
25		0	24.30	24.30	3.55	27.85	<=30	17.77	<=20	Pass	
		13	24.45	24.45	3.55	28.00	<=30	17.92	<=20	Pass	
		25	24.41	24.41	3.55	27.96	<=30	17.88	<=20	Pass	
50		0	24.36	24.36	3.55	27.91	<=30	14.82	<=20	Pass	

Note: Maximum EIRP (dBm/10MHz) = Conducted Power (dBm /10MHz) + Antenna Gain (dBi)



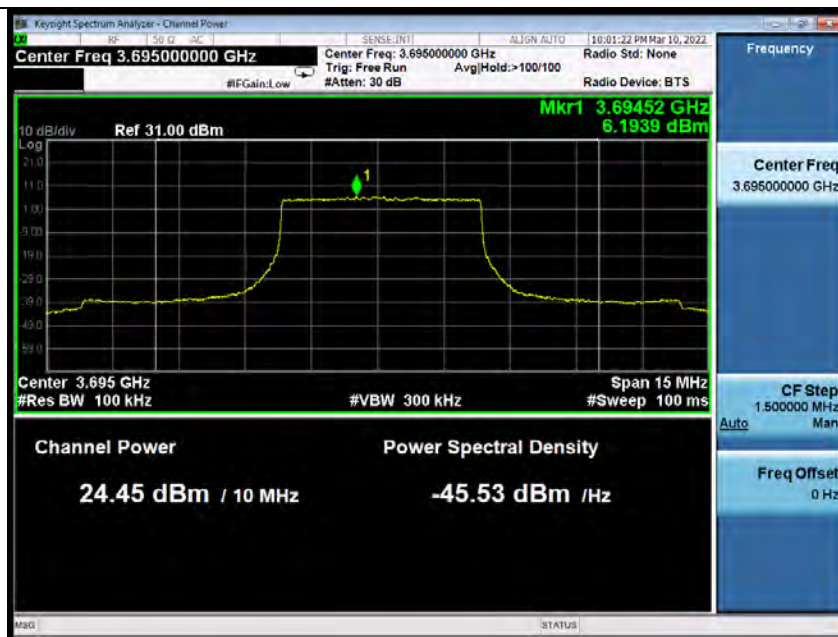
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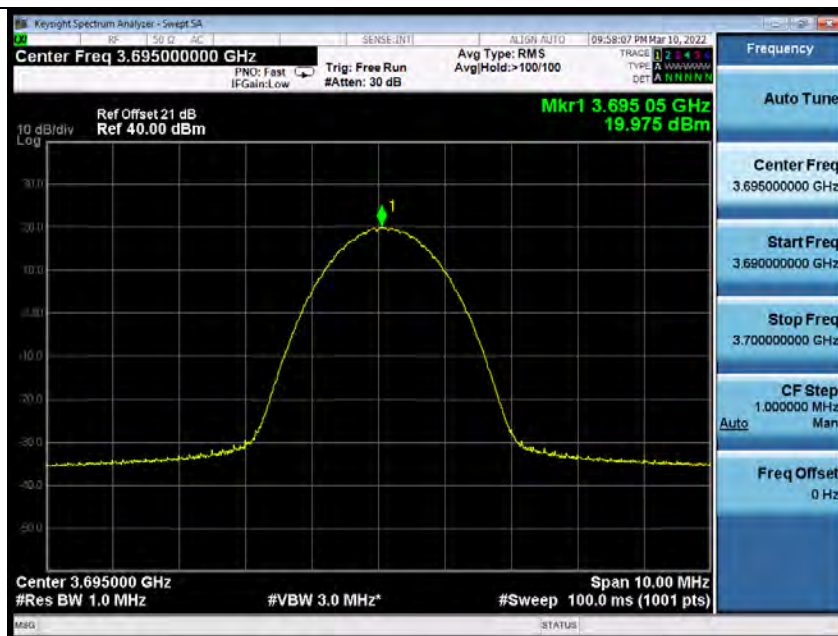
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Band48_10MHz_64QAM_HCH_3695MHz_RB_25_13_NTNV



Remark: For Maximum EIRP test, we only show the plot of the worst test results

Band48_10MHz_QPSK_HCH_3695MHz_RB_1_25_NTNV



Remark: For PSD test, we only show the plot of the worst test results



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1.7 B48_15MHz_EIRP

1.7.1 Test Result

Band: 48 / Bandwidth: 15MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Conducted Power (dBm /10MHz)	Gain (dbi)	Maximum EIRP (dBm/10MHz)		Maximum PSD (dBm/MHz)		Verdict	
		Size	Offset				Result	Limit	Result	Limit		
QPSK	3557.5	1	0	19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass	
			38	19.92	19.92	3.55	23.47	<=30	19.92	<=20	Pass	
			74	19.87	19.87	3.55	23.42	<=30	19.87	<=20	Pass	
		36	0	22.92	22.92	3.55	26.47	<=30	14.80	<=20	Pass	
			18	23.30	23.30	3.55	26.85	<=30	15.18	<=20	Pass	
			39	23.38	23.38	3.55	26.93	<=30	15.26	<=20	Pass	
		75	0	23.21	21.91	3.55	25.46	<=30	11.91	<=20	Pass	
		3625	1	0	19.93	19.93	3.55	23.48	<=30	19.93	<=20	Pass
				38	19.88	19.88	3.55	23.43	<=30	19.88	<=20	Pass
	74			19.79	19.79	3.55	23.34	<=30	19.79	<=20	Pass	
	36		0	22.99	22.99	3.55	26.54	<=30	14.87	<=20	Pass	
			18	23.07	23.07	3.55	26.62	<=30	14.95	<=20	Pass	
			39	22.92	22.92	3.55	26.47	<=30	14.80	<=20	Pass	
	75		0	23.06	21.76	3.55	25.31	<=30	11.76	<=20	Pass	
	3692.5		1	0	19.89	19.89	3.55	23.44	<=30	19.89	<=20	Pass
				38	19.95	19.95	3.55	23.50	<=30	19.95	<=20	Pass
		74		19.85	19.85	3.55	23.40	<=30	19.85	<=20	Pass	
		36	0	24.01	24.01	3.55	27.56	<=30	15.89	<=20	Pass	
			18	24.25	24.25	3.55	27.80	<=30	16.13	<=20	Pass	



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			39	24.25	24.25	3.55	27.80	<=30	16.13	<=20	Pass		
		75	0	24.22	22.92	3.55	26.47	<=30	12.92	<=20	Pass		
16QAM	3557.5	1	0	19.78	19.78	3.55	23.33	<=30	19.78	<=20	Pass		
			38	19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass		
			74	19.75	19.75	3.55	23.30	<=30	19.75	<=20	Pass		
		36	0	22.91	22.91	3.55	26.46	<=30	14.79	<=20	Pass		
			18	23.27	23.27	3.55	26.82	<=30	15.15	<=20	Pass		
			39	23.37	23.37	3.55	26.92	<=30	15.25	<=20	Pass		
		75	0	23.23	21.93	3.55	25.48	<=30	11.93	<=20	Pass		
		3625	1	0	19.76	19.76	3.55	23.31	<=30	19.76	<=20	Pass	
				38	19.79	19.79	3.55	23.34	<=30	19.79	<=20	Pass	
	74			19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass		
	36		0	23.01	23.01	3.55	26.56	<=30	14.89	<=20	Pass		
			18	23.10	23.10	3.55	26.65	<=30	14.98	<=20	Pass		
			39	22.95	22.95	3.55	26.50	<=30	14.83	<=20	Pass		
	75		0	23.09	21.79	3.55	25.34	<=30	11.79	<=20	Pass		
	3692.5		1	0	19.75	19.75	3.55	23.30	<=30	19.75	<=20	Pass	
				38	19.74	19.74	3.55	23.29	<=30	19.74	<=20	Pass	
		74		19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass		
		36	0	24.00	24.00	3.55	27.55	<=30	15.88	<=20	Pass		
			18	24.28	24.28	3.55	27.83	<=30	16.16	<=20	Pass		
			39	24.19	24.19	3.55	27.74	<=30	16.07	<=20	Pass		
		75	0	24.21	22.91	3.55	26.46	<=30	12.91	<=20	Pass		
		64QAM	3557.5	1	0	19.75	19.75	3.55	23.30	<=30	19.75	<=20	Pass
					38	19.78	19.78	3.55	23.33	<=30	19.78	<=20	Pass
	74				19.77	19.77	3.55	23.32	<=30	19.77	<=20	Pass	



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3625	36	0	22.89	22.89	3.55	26.44	<=30	14.77	<=20	Pass	
		18	23.24	23.24	3.55	26.79	<=30	15.12	<=20	Pass	
		39	23.45	23.45	3.55	27.00	<=30	15.33	<=20	Pass	
	75	0	23.16	21.86	3.55	25.41	<=30	11.86	<=20	Pass	
		1	0	19.75	19.75	3.55	23.30	<=30	19.75	<=20	Pass
			38	19.73	19.73	3.55	23.28	<=30	19.73	<=20	Pass
	74		19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass	
	36	0	22.96	22.96	3.55	26.51	<=30	14.84	<=20	Pass	
		18	23.03	23.03	3.55	26.58	<=30	14.91	<=20	Pass	
		39	22.96	22.96	3.55	26.51	<=30	14.84	<=20	Pass	
	75	0	23.01	21.71	3.55	25.26	<=30	11.71	<=20	Pass	
		3692.5	1	0	19.69	19.69	3.55	23.24	<=30	19.69	<=20
38				19.72	19.72	3.55	23.27	<=30	19.72	<=20	Pass
74	19.80			19.80	3.55	23.35	<=30	19.80	<=20	Pass	
36	0	23.99	23.99	3.55	27.54	<=30	15.87	<=20	Pass		
	18	24.18	24.18	3.55	27.73	<=30	16.06	<=20	Pass		
	39	24.19	24.19	3.55	27.74	<=30	16.07	<=20	Pass		
75	0	24.20	22.90	3.55	26.45	<=30	12.90	<=20	Pass		

Note: Maximum EIRP (dBm/10MHz) = Conducted Power (dBm /10MHz) + Antenna Gain (dBi)

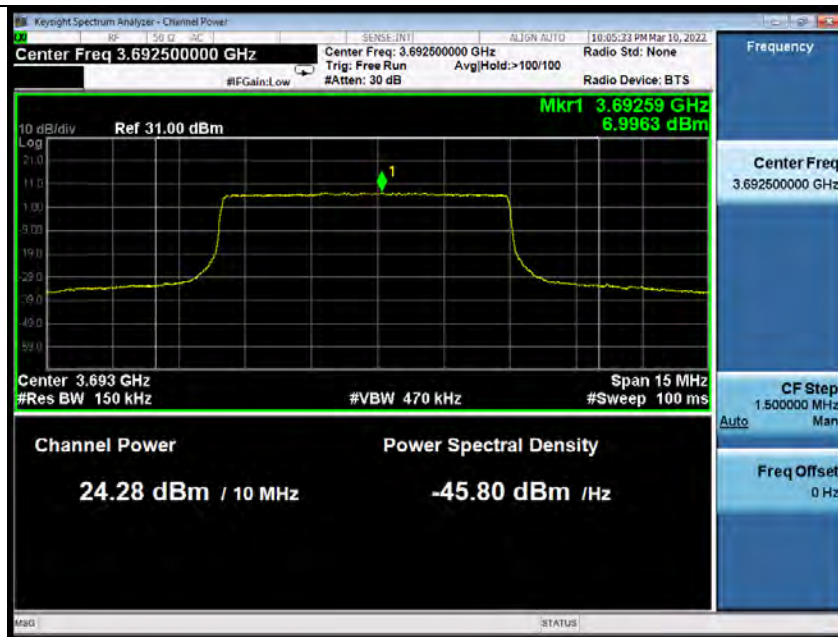


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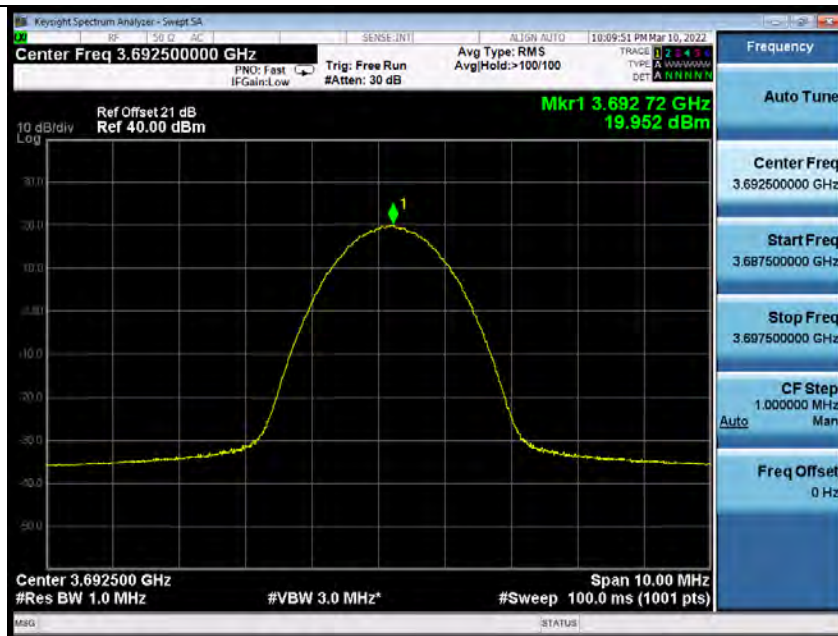
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Band48_15MHz_16QAM_HCH_3692.5MHz_RB_36_18_NTNV



Remark: For Maximum EIRP test, we only show the plot of the worst test results

Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_38_NTNV



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1.8 B48_20MHz_EIRP

1.8.1 Test Result

Band: 48 / Bandwidth: 20MHz / NTV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Conducted Power (dBm /10MHz)	Gain (dbi)	Maximum EIRP (dBm/10MHz)		Maximum PSD (dBm/MHz)		Verdict	
		Size	Offset				Result	Limit	Result	Limit		
QPSK	3560	1	0	19.93	19.93	3.55	23.48	<=30	19.93	<=20	Pass	
			50	19.89	19.89	3.55	23.44	<=30	19.89	<=20	Pass	
			99	19.90	19.90	3.55	23.45	<=30	19.90	<=20	Pass	
		50	0	23.38	23.38	3.55	26.93	<=30	13.84	<=20	Pass	
			25	23.64	23.64	3.55	27.19	<=30	14.10	<=20	Pass	
			50	23.84	23.84	3.55	27.39	<=30	14.30	<=20	Pass	
		100	0	23.71	21.16	3.55	24.71	<=30	11.16	<=20	Pass	
		3625	1	0	19.89	19.89	3.55	23.44	<=30	19.89	<=20	Pass
				50	19.90	19.90	3.55	23.45	<=30	19.90	<=20	Pass
	99			19.89	19.89	3.55	23.44	<=30	19.89	<=20	Pass	
	50		0	23.38	23.38	3.55	26.93	<=30	13.84	<=20	Pass	
			25	23.47	23.47	3.55	27.02	<=30	13.93	<=20	Pass	
			50	23.44	23.44	3.55	26.99	<=30	13.90	<=20	Pass	
	100		0	23.40	20.85	3.55	24.40	<=30	10.85	<=20	Pass	
	3690		1	0	19.92	19.92	3.55	23.47	<=30	19.92	<=20	Pass
				50	19.87	19.87	3.55	23.42	<=30	19.87	<=20	Pass
		99		19.89	19.89	3.55	23.44	<=30	19.89	<=20	Pass	
		50	0	24.27	24.27	3.55	27.82	<=30	14.73	<=20	Pass	
			25	24.32	24.32	3.55	27.87	<=30	14.78	<=20	Pass	
			50	24.54	24.54	3.55	28.09	<=30	15.00	<=20	Pass	

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		100	0	24.47	21.92	3.55	25.47	<=30	11.92	<=20	Pass		
16QAM	3560	1	0	19.84	19.84	3.55	23.39	<=30	19.84	<=20	Pass		
			50	19.78	19.78	3.55	23.33	<=30	19.78	<=20	Pass		
			99	19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass		
		50	0	23.52	23.52	3.55	27.07	<=30	13.98	<=20	Pass		
			25	23.79	23.79	3.55	27.34	<=30	14.25	<=20	Pass		
			50	24.01	24.01	3.55	27.56	<=30	14.47	<=20	Pass		
		100	0	23.83	21.28	3.55	24.83	<=30	11.28	<=20	Pass		
		3625	1	0	19.78	19.78	3.55	23.33	<=30	19.78	<=20	Pass	
				50	19.81	19.81	3.55	23.36	<=30	19.81	<=20	Pass	
	99			19.79	19.79	3.55	23.34	<=30	19.79	<=20	Pass		
	50		0	23.45	23.45	3.55	27.00	<=30	13.91	<=20	Pass		
			25	23.40	23.40	3.55	26.95	<=30	13.86	<=20	Pass		
			50	23.33	23.33	3.55	26.88	<=30	13.79	<=20	Pass		
	100		0	23.47	20.92	3.55	24.47	<=30	10.92	<=20	Pass		
	3690		1	0	19.78	19.78	3.55	23.33	<=30	19.78	<=20	Pass	
				50	19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass	
		99		19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass		
		50	0	24.27	24.27	3.55	27.82	<=30	14.73	<=20	Pass		
			25	24.29	24.29	3.55	27.84	<=30	14.75	<=20	Pass		
			50	24.53	24.53	3.55	28.08	<=30	14.99	<=20	Pass		
		100	0	24.47	21.92	3.55	25.47	<=30	11.92	<=20	Pass		
		64QAM	3560	1	0	19.73	19.73	3.55	23.28	<=30	19.73	<=20	Pass
					50	19.78	19.78	3.55	23.33	<=30	19.78	<=20	Pass
	99				19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass	
50	0			23.46	23.46	3.55	27.01	<=30	13.92	<=20	Pass		



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3625	100	25	23.76	23.76	3.55	27.31	<=30	14.22	<=20	Pass	
		50	23.95	23.95	3.55	27.50	<=30	14.41	<=20	Pass	
		0	23.78	21.23	3.55	24.78	<=30	11.23	<=20	Pass	
	1	0	19.79	19.79	3.55	23.34	<=30	19.79	<=20	Pass	
			50	19.75	19.75	3.55	23.30	<=30	19.75	<=20	Pass
			99	19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass
		50	0	23.29	23.29	3.55	26.84	<=30	13.75	<=20	Pass
			25	23.39	23.39	3.55	26.94	<=30	13.85	<=20	Pass
			50	23.29	23.29	3.55	26.84	<=30	13.75	<=20	Pass
	100	0	23.41	20.86	3.55	24.41	<=30	10.86	<=20	Pass	
	3690	1	0	19.73	19.73	3.55	23.28	<=30	19.73	<=20	Pass
			50	19.83	19.83	3.55	23.38	<=30	19.83	<=20	Pass
99			19.80	19.80	3.55	23.35	<=30	19.80	<=20	Pass	
50		0	24.29	24.29	3.55	27.84	<=30	14.75	<=20	Pass	
		25	24.27	24.27	3.55	27.82	<=30	14.73	<=20	Pass	
		50	24.54	24.54	3.55	28.09	<=30	15.00	<=20	Pass	
100		0	24.46	21.91	3.55	25.46	<=30	11.91	<=20	Pass	

Note: Maximum EIRP (dBm/10MHz) = Conducted Power (dBm /10MHz) + Antenna Gain (dBi)



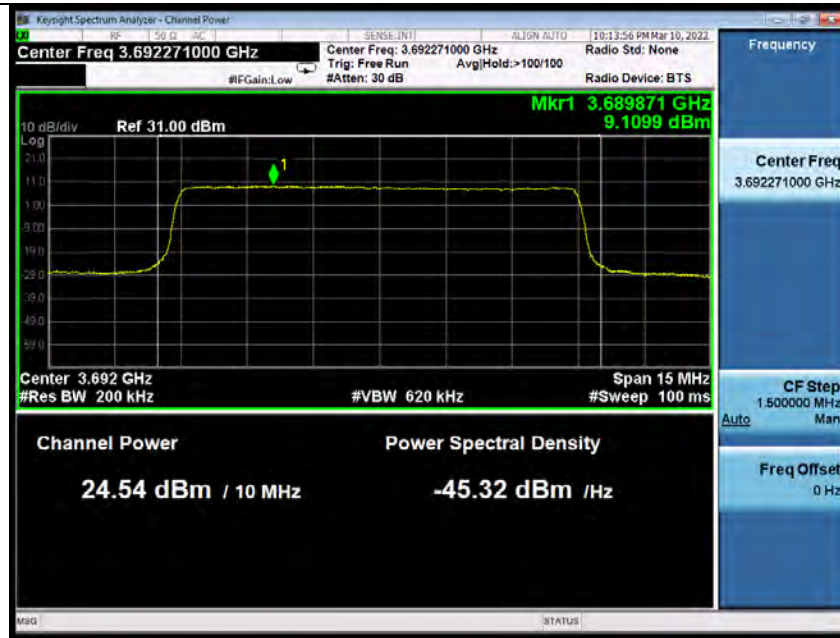
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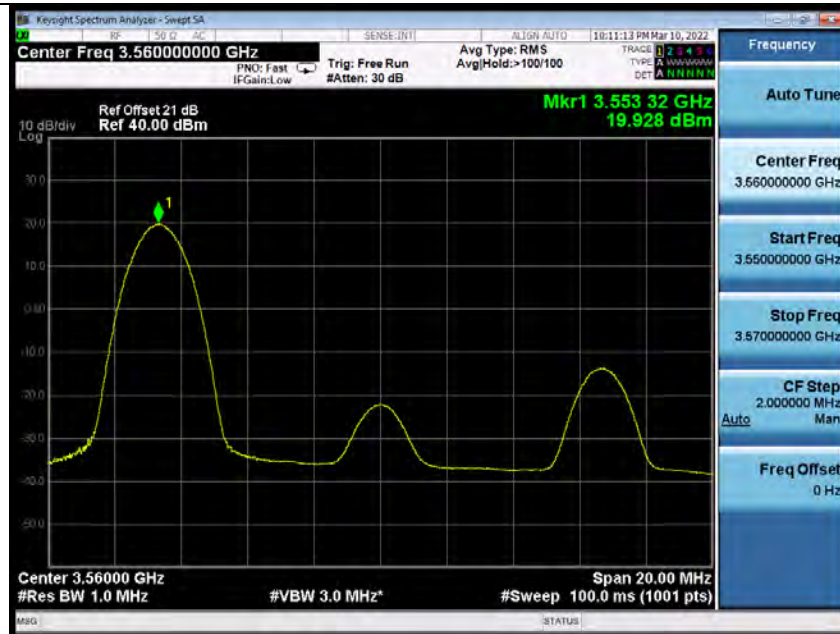
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Band48_20MHz_64QAM_HCH_3690MHz_RB_50_50_NTNV



Remark: For Maximum EIRP test, we only show the plot of the worst test results

Band48_20MHz_QPSK_LCH_3560MHz_RB_1_0_NTNV



Remark: For PSD test, we only show the plot of the worst test results



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2. Frequency Stability

2.1 B42H_5MHz

2.1.1 Test Result

Band: 42H / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3452.5	25	0	20	102	-19.275	-0.0056	-2.5 to 2.5	Pass
					120	13.649	0.0040	-2.5 to 2.5	Pass
					138	-26.669	-0.0077	-2.5 to 2.5	Pass
				-30	120	12.730	0.0037	-2.5 to 2.5	Pass
				-20	120	-6.022	-0.0017	-2.5 to 2.5	Pass
				-10	120	16.113	0.0047	-2.5 to 2.5	Pass
				0	120	18.181	0.0053	-2.5 to 2.5	Pass
				10	120	9.640	0.0028	-2.5 to 2.5	Pass
				30	120	20.795	0.0060	-2.5 to 2.5	Pass
				40	120	6.437	0.0019	-2.5 to 2.5	Pass
	50	120	2.187	0.0006	-2.5 to 2.5	Pass			
	3500	25	0	20	102	17.918	0.0051	-2.5 to 2.5	Pass
					120	-23.216	-0.0066	-2.5 to 2.5	Pass
					138	13.708	0.0039	-2.5 to 2.5	Pass
-30				120	27.073	0.0077	-2.5 to 2.5	Pass	
-20				120	-16.382	-0.0047	-2.5 to 2.5	Pass	



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				-10	120	-24.640	-0.0070	-2.5 to 2.5	Pass	
				0	120	15.078	0.0043	-2.5 to 2.5	Pass	
				10	120	11.470	0.0033	-2.5 to 2.5	Pass	
				30	120	2.054	0.0006	-2.5 to 2.5	Pass	
				40	120	-14.282	-0.0041	-2.5 to 2.5	Pass	
				50	120	19.430	0.0056	-2.5 to 2.5	Pass	
	3547.5	25	0		102	16.777	0.0047	-2.5 to 2.5	Pass	
				20	120	0.149	0.0000	-2.5 to 2.5	Pass	
					138	0.953	0.0003	-2.5 to 2.5	Pass	
					-30	120	23.378	0.0066	-2.5 to 2.5	Pass
					-20	120	25.819	0.0073	-2.5 to 2.5	Pass
					-10	120	9.419	0.0027	-2.5 to 2.5	Pass
					0	120	-10.685	-0.0030	-2.5 to 2.5	Pass
					10	120	15.265	0.0043	-2.5 to 2.5	Pass
					30	120	17.315	0.0049	-2.5 to 2.5	Pass
					40	120	0.096	0.0000	-2.5 to 2.5	Pass
					50	120	16.047	0.0045	-2.5 to 2.5	Pass
16QAM				3452.5	25	0		102	27.457	0.0080
		20	120				-15.974	-0.0046	-2.5 to 2.5	Pass
			138				-3.369	-0.0010	-2.5 to 2.5	Pass
		-30	120				-16.655	-0.0048	-2.5 to 2.5	Pass
		-20	120				-12.842	-0.0037	-2.5 to 2.5	Pass
		-10	120				-11.709	-0.0034	-2.5 to 2.5	Pass
		0	120				3.092	0.0009	-2.5 to 2.5	Pass



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				10	120	3.857	0.0011	-2.5 to 2.5	Pass
				30	120	1.317	0.0004	-2.5 to 2.5	Pass
				40	120	1.079	0.0003	-2.5 to 2.5	Pass
				50	120	-22.090	-0.0064	-2.5 to 2.5	Pass
	3500	25	0	20	102	-2.980	-0.0009	-2.5 to 2.5	Pass
120					-22.291	-0.0064	-2.5 to 2.5	Pass	
138					10.919	0.0031	-2.5 to 2.5	Pass	
-30				120	14.418	0.0041	-2.5 to 2.5	Pass	
-20				120	7.930	0.0023	-2.5 to 2.5	Pass	
-10				120	14.209	0.0041	-2.5 to 2.5	Pass	
0				120	-21.931	-0.0063	-2.5 to 2.5	Pass	
10				120	-9.242	-0.0026	-2.5 to 2.5	Pass	
30				120	16.905	0.0048	-2.5 to 2.5	Pass	
40				120	17.230	0.0049	-2.5 to 2.5	Pass	
50				120	-17.761	-0.0051	-2.5 to 2.5	Pass	
				3547.5	25	0	20	102	-13.568
120	-25.767	-0.0073	-2.5 to 2.5					Pass	
138	-14.327	-0.0040	-2.5 to 2.5					Pass	
-30	120	4.996	0.0014				-2.5 to 2.5	Pass	
-20	120	10.657	0.0030				-2.5 to 2.5	Pass	
-10	120	6.768	0.0019				-2.5 to 2.5	Pass	
0	120	-19.896	-0.0056				-2.5 to 2.5	Pass	
10	120	-3.297	-0.0009				-2.5 to 2.5	Pass	
30	120	23.053	0.0065				-2.5 to 2.5	Pass	



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				40	120	14.807	0.0042	-2.5 to 2.5	Pass
				50	120	26.699	0.0075	-2.5 to 2.5	Pass
64QAM	3452.5	25	0	102	120	2.043	0.0006	-2.5 to 2.5	Pass
				20	120	-8.082	-0.0023	-2.5 to 2.5	Pass
				138	120	22.039	0.0064	-2.5 to 2.5	Pass
				-30	120	10.408	0.0030	-2.5 to 2.5	Pass
				-20	120	-24.738	-0.0072	-2.5 to 2.5	Pass
				-10	120	-3.701	-0.0011	-2.5 to 2.5	Pass
				0	120	26.978	0.0078	-2.5 to 2.5	Pass
				10	120	-24.471	-0.0071	-2.5 to 2.5	Pass
				30	120	4.990	0.0014	-2.5 to 2.5	Pass
				40	120	15.588	0.0045	-2.5 to 2.5	Pass
	50	120	-20.766	-0.0060	-2.5 to 2.5	Pass			
	3500	25	0	102	120	18.121	0.0052	-2.5 to 2.5	Pass
				20	120	-20.790	-0.0059	-2.5 to 2.5	Pass
				138	120	-8.762	-0.0025	-2.5 to 2.5	Pass
				-30	120	22.239	0.0064	-2.5 to 2.5	Pass
				-20	120	18.288	0.0052	-2.5 to 2.5	Pass
				-10	120	-15.742	-0.0045	-2.5 to 2.5	Pass
				0	120	11.564	0.0033	-2.5 to 2.5	Pass
				10	120	-26.339	-0.0075	-2.5 to 2.5	Pass
				30	120	-17.890	-0.0051	-2.5 to 2.5	Pass
40				120	24.522	0.0070	-2.5 to 2.5	Pass	
50	120	-24.048	-0.0069	-2.5 to 2.5	Pass				



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	3547.5	25	0	20	102	22.819	0.0064	-2.5 to 2.5	Pass
					120	-17.995	-0.0051	-2.5 to 2.5	Pass
					138	-4.960	-0.0014	-2.5 to 2.5	Pass
				-30	120	-24.998	-0.0070	-2.5 to 2.5	Pass
				-20	120	2.303	0.0006	-2.5 to 2.5	Pass
				-10	120	7.552	0.0021	-2.5 to 2.5	Pass
				0	120	-0.812	-0.0002	-2.5 to 2.5	Pass
				10	120	-23.245	-0.0066	-2.5 to 2.5	Pass
				30	120	14.858	0.0042	-2.5 to 2.5	Pass
				40	120	-15.348	-0.0043	-2.5 to 2.5	Pass
				50	120	25.384	0.0072	-2.5 to 2.5	Pass



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2.2 B42H_10MHz

2.2.1 Test Result

Band: 42H / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3455	50	0	20	102	22.853	0.0066	-2.5 to 2.5	Pass
					120	12.395	0.0036	-2.5 to 2.5	Pass
					138	19.739	0.0057	-2.5 to 2.5	Pass
				-30	120	10.858	0.0031	-2.5 to 2.5	Pass
				-20	120	-13.264	-0.0038	-2.5 to 2.5	Pass
				-10	120	-1.766	-0.0005	-2.5 to 2.5	Pass
				0	120	-0.992	-0.0003	-2.5 to 2.5	Pass
				10	120	-2.668	-0.0008	-2.5 to 2.5	Pass
				30	120	24.976	0.0072	-2.5 to 2.5	Pass
	40	120	-26.193	-0.0076	-2.5 to 2.5	Pass			
	50	120	27.457	0.0079	-2.5 to 2.5	Pass			
	3500	50	0	20	102	7.017	0.0020	-2.5 to 2.5	Pass
					120	11.465	0.0033	-2.5 to 2.5	Pass
					138	23.720	0.0068	-2.5 to 2.5	Pass
				-30	120	-22.755	-0.0065	-2.5 to 2.5	Pass
				-20	120	-15.946	-0.0046	-2.5 to 2.5	Pass
				-10	120	25.096	0.0072	-2.5 to 2.5	Pass
				0	120	21.882	0.0063	-2.5 to 2.5	Pass
10				120	16.668	0.0048	-2.5 to 2.5	Pass	



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				30	120	18.061	0.0052	-2.5 to 2.5	Pass				
				40	120	21.913	0.0063	-2.5 to 2.5	Pass				
				50	120	4.557	0.0013	-2.5 to 2.5	Pass				
	3545	50	0	20	102	-8.510	-0.0024	-2.5 to 2.5	Pass				
120					25.666	0.0072	-2.5 to 2.5	Pass					
138					-24.918	-0.0070	-2.5 to 2.5	Pass					
							-30	120	-16.060	-0.0045	-2.5 to 2.5	Pass	
							-20	120	1.926	0.0005	-2.5 to 2.5	Pass	
							-10	120	20.581	0.0058	-2.5 to 2.5	Pass	
							0	120	22.294	0.0063	-2.5 to 2.5	Pass	
							10	120	15.586	0.0044	-2.5 to 2.5	Pass	
							30	120	11.500	0.0032	-2.5 to 2.5	Pass	
							40	120	14.568	0.0041	-2.5 to 2.5	Pass	
							50	120	25.167	0.0071	-2.5 to 2.5	Pass	
16QAM				3455	50	0	20	102	26.994	0.0078	-2.5 to 2.5	Pass	
	120	-25.023	-0.0072					-2.5 to 2.5	Pass				
	138	2.521	0.0007					-2.5 to 2.5	Pass				
								-30	120	-12.698	-0.0037	-2.5 to 2.5	Pass
								-20	120	24.716	0.0072	-2.5 to 2.5	Pass
								-10	120	5.995	0.0017	-2.5 to 2.5	Pass
								0	120	22.253	0.0064	-2.5 to 2.5	Pass
								10	120	22.341	0.0065	-2.5 to 2.5	Pass
								30	120	-10.546	-0.0031	-2.5 to 2.5	Pass
								40	120	-18.267	-0.0053	-2.5 to 2.5	Pass



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				50	120	10.339	0.0030	-2.5 to 2.5	Pass
					102	1.199	0.0003	-2.5 to 2.5	Pass
				20	120	4.441	0.0013	-2.5 to 2.5	Pass
					138	-20.947	-0.0060	-2.5 to 2.5	Pass
				-30	120	16.548	0.0047	-2.5 to 2.5	Pass
				-20	120	-1.296	-0.0004	-2.5 to 2.5	Pass
				-10	120	8.449	0.0024	-2.5 to 2.5	Pass
				0	120	21.682	0.0062	-2.5 to 2.5	Pass
				10	120	18.252	0.0052	-2.5 to 2.5	Pass
				30	120	-15.086	-0.0043	-2.5 to 2.5	Pass
				40	120	-17.825	-0.0051	-2.5 to 2.5	Pass
				50	120	-6.819	-0.0019	-2.5 to 2.5	Pass
	3500	50	0						
					102	4.675	0.0013	-2.5 to 2.5	Pass
				20	120	-17.313	-0.0049	-2.5 to 2.5	Pass
					138	7.500	0.0021	-2.5 to 2.5	Pass
				-30	120	-3.337	-0.0009	-2.5 to 2.5	Pass
				-20	120	-8.834	-0.0025	-2.5 to 2.5	Pass
				-10	120	13.132	0.0037	-2.5 to 2.5	Pass
				0	120	-24.810	-0.0070	-2.5 to 2.5	Pass
				10	120	24.033	0.0068	-2.5 to 2.5	Pass
				30	120	13.366	0.0038	-2.5 to 2.5	Pass
				40	120	7.159	0.0020	-2.5 to 2.5	Pass
				50	120	10.895	0.0031	-2.5 to 2.5	Pass
	3545	50	0						
64QAM	3455	50	0	20	102	1.403	0.0004	-2.5 to 2.5	Pass



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				120	13.671	0.0040	-2.5 to 2.5	Pass	
				138	-25.298	-0.0073	-2.5 to 2.5	Pass	
				-30	120	19.535	0.0057	-2.5 to 2.5	Pass
				-20	120	24.129	0.0070	-2.5 to 2.5	Pass
				-10	120	22.096	0.0064	-2.5 to 2.5	Pass
				0	120	22.411	0.0065	-2.5 to 2.5	Pass
				10	120	23.248	0.0067	-2.5 to 2.5	Pass
				30	120	-4.265	-0.0012	-2.5 to 2.5	Pass
				40	120	-9.598	-0.0028	-2.5 to 2.5	Pass
				50	120	-16.556	-0.0048	-2.5 to 2.5	Pass
	3500	50	0	102	-19.665	-0.0056	-2.5 to 2.5	Pass	
				20	120	3.902	0.0011	-2.5 to 2.5	Pass
					138	15.860	0.0045	-2.5 to 2.5	Pass
				-30	120	19.069	0.0054	-2.5 to 2.5	Pass
				-20	120	-19.180	-0.0055	-2.5 to 2.5	Pass
				-10	120	19.643	0.0056	-2.5 to 2.5	Pass
				0	120	15.501	0.0044	-2.5 to 2.5	Pass
				10	120	-27.413	-0.0078	-2.5 to 2.5	Pass
				30	120	4.650	0.0013	-2.5 to 2.5	Pass
40				120	21.827	0.0062	-2.5 to 2.5	Pass	
50	120	3.261	0.0009	-2.5 to 2.5	Pass				
3545	50	0	102	12.294	0.0035	-2.5 to 2.5	Pass		
			20	120	-24.015	-0.0068	-2.5 to 2.5	Pass	
				138	-2.650	-0.0007	-2.5 to 2.5	Pass	



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				-30	120	24.604	0.0069	-2.5 to 2.5	Pass
				-20	120	11.491	0.0032	-2.5 to 2.5	Pass
				-10	120	-7.946	-0.0022	-2.5 to 2.5	Pass
				0	120	-11.456	-0.0032	-2.5 to 2.5	Pass
				10	120	-15.946	-0.0045	-2.5 to 2.5	Pass
				30	120	-21.917	-0.0062	-2.5 to 2.5	Pass
				40	120	10.930	0.0031	-2.5 to 2.5	Pass
				50	120	25.599	0.0072	-2.5 to 2.5	Pass



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2.3 B42H_15MHz

2.3.1 Test Result

Band: 42H / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3457.5	75	0	20	102	-9.478	-0.0027	-2.5 to 2.5	Pass
					120	-12.457	-0.0036	-2.5 to 2.5	Pass
					138	-9.993	-0.0029	-2.5 to 2.5	Pass
				-30	120	17.703	0.0051	-2.5 to 2.5	Pass
				-20	120	-13.673	-0.0040	-2.5 to 2.5	Pass
				-10	120	-21.741	-0.0063	-2.5 to 2.5	Pass
				0	120	-22.193	-0.0064	-2.5 to 2.5	Pass
				10	120	-0.758	-0.0002	-2.5 to 2.5	Pass
				30	120	-14.427	-0.0042	-2.5 to 2.5	Pass
	40	120	19.018	0.0055	-2.5 to 2.5	Pass			
	50	120	-21.080	-0.0061	-2.5 to 2.5	Pass			
	3500	75	0	20	102	-16.667	-0.0048	-2.5 to 2.5	Pass
					120	-2.909	-0.0008	-2.5 to 2.5	Pass
					138	-23.063	-0.0066	-2.5 to 2.5	Pass
				-30	120	-21.965	-0.0063	-2.5 to 2.5	Pass
				-20	120	-22.394	-0.0064	-2.5 to 2.5	Pass
				-10	120	20.268	0.0058	-2.5 to 2.5	Pass
				0	120	-20.068	-0.0057	-2.5 to 2.5	Pass
10				120	-17.952	-0.0051	-2.5 to 2.5	Pass	



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				30	120	-9.719	-0.0028	-2.5 to 2.5	Pass				
				40	120	5.261	0.0015	-2.5 to 2.5	Pass				
				50	120	-7.190	-0.0021	-2.5 to 2.5	Pass				
	3542.5	75	0	20	102	0.753	0.0002	-2.5 to 2.5	Pass				
120					23.039	0.0065	-2.5 to 2.5	Pass					
138					-4.403	-0.0012	-2.5 to 2.5	Pass					
							-30	120	15.813	0.0045	-2.5 to 2.5	Pass	
							-20	120	-4.715	-0.0013	-2.5 to 2.5	Pass	
							-10	120	-16.431	-0.0046	-2.5 to 2.5	Pass	
							0	120	-21.501	-0.0061	-2.5 to 2.5	Pass	
							10	120	26.433	0.0075	-2.5 to 2.5	Pass	
							30	120	-0.119	0.0000	-2.5 to 2.5	Pass	
							40	120	5.446	0.0015	-2.5 to 2.5	Pass	
							50	120	-9.405	-0.0027	-2.5 to 2.5	Pass	
16QAM				3457.5	75	0	20	102	3.621	0.0010	-2.5 to 2.5	Pass	
								120	7.231	0.0021	-2.5 to 2.5	Pass	
	138	0.632	0.0002					-2.5 to 2.5	Pass				
								-30	120	3.608	0.0010	-2.5 to 2.5	Pass
								-20	120	27.204	0.0079	-2.5 to 2.5	Pass
								-10	120	10.187	0.0029	-2.5 to 2.5	Pass
								0	120	-26.126	-0.0076	-2.5 to 2.5	Pass
								10	120	-0.311	-0.0001	-2.5 to 2.5	Pass
								30	120	-22.122	-0.0064	-2.5 to 2.5	Pass
								40	120	-19.541	-0.0057	-2.5 to 2.5	Pass



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				50	120	-11.434	-0.0033	-2.5 to 2.5	Pass
					102	18.012	0.0051	-2.5 to 2.5	Pass
				20	120	4.958	0.0014	-2.5 to 2.5	Pass
					138	24.549	0.0070	-2.5 to 2.5	Pass
				-30	120	15.786	0.0045	-2.5 to 2.5	Pass
				-20	120	-24.916	-0.0071	-2.5 to 2.5	Pass
				-10	120	-8.728	-0.0025	-2.5 to 2.5	Pass
				0	120	-19.587	-0.0056	-2.5 to 2.5	Pass
				10	120	-17.314	-0.0049	-2.5 to 2.5	Pass
				30	120	19.816	0.0057	-2.5 to 2.5	Pass
				40	120	-16.848	-0.0048	-2.5 to 2.5	Pass
				50	120	10.640	0.0030	-2.5 to 2.5	Pass
	3500	75	0						
					102	21.654	0.0061	-2.5 to 2.5	Pass
				20	120	5.947	0.0017	-2.5 to 2.5	Pass
					138	25.026	0.0071	-2.5 to 2.5	Pass
				-30	120	7.878	0.0022	-2.5 to 2.5	Pass
				-20	120	19.961	0.0056	-2.5 to 2.5	Pass
				-10	120	-15.866	-0.0045	-2.5 to 2.5	Pass
				0	120	-10.444	-0.0029	-2.5 to 2.5	Pass
				10	120	-12.356	-0.0035	-2.5 to 2.5	Pass
				30	120	21.517	0.0061	-2.5 to 2.5	Pass
				40	120	-14.115	-0.0040	-2.5 to 2.5	Pass
				50	120	-26.541	-0.0075	-2.5 to 2.5	Pass
	3542.5	75	0						
64QAM	3457.5	75	0	20	102	1.784	0.0005	-2.5 to 2.5	Pass



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				120	-22.703	-0.0066	-2.5 to 2.5	Pass	
				138	13.333	0.0039	-2.5 to 2.5	Pass	
				-30	120	-20.708	-0.0060	-2.5 to 2.5	Pass
				-20	120	1.591	0.0005	-2.5 to 2.5	Pass
				-10	120	-6.063	-0.0018	-2.5 to 2.5	Pass
				0	120	-21.678	-0.0063	-2.5 to 2.5	Pass
				10	120	11.901	0.0034	-2.5 to 2.5	Pass
				30	120	9.892	0.0029	-2.5 to 2.5	Pass
				40	120	-13.848	-0.0040	-2.5 to 2.5	Pass
				50	120	15.627	0.0045	-2.5 to 2.5	Pass
	3500	75	0	102	1.286	0.0004	-2.5 to 2.5	Pass	
				20	120	13.325	0.0038	-2.5 to 2.5	Pass
					138	-1.640	-0.0005	-2.5 to 2.5	Pass
				-30	120	-26.613	-0.0076	-2.5 to 2.5	Pass
				-20	120	25.370	0.0072	-2.5 to 2.5	Pass
				-10	120	-24.613	-0.0070	-2.5 to 2.5	Pass
				0	120	-1.590	-0.0005	-2.5 to 2.5	Pass
				10	120	-22.586	-0.0065	-2.5 to 2.5	Pass
				30	120	-11.612	-0.0033	-2.5 to 2.5	Pass
				40	120	16.812	0.0048	-2.5 to 2.5	Pass
50	120	13.213	0.0038	-2.5 to 2.5	Pass				
3542.5	75	0	102	19.332	0.0055	-2.5 to 2.5	Pass		
			20	120	-15.655	-0.0044	-2.5 to 2.5	Pass	
				138	10.420	0.0029	-2.5 to 2.5	Pass	



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				-30	120	21.409	0.0060	-2.5 to 2.5	Pass
				-20	120	-11.242	-0.0032	-2.5 to 2.5	Pass
				-10	120	12.847	0.0036	-2.5 to 2.5	Pass
				0	120	25.731	0.0073	-2.5 to 2.5	Pass
				10	120	26.744	0.0075	-2.5 to 2.5	Pass
				30	120	25.504	0.0072	-2.5 to 2.5	Pass
				40	120	-5.733	-0.0016	-2.5 to 2.5	Pass
				50	120	-21.934	-0.0062	-2.5 to 2.5	Pass



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2.4 B42H_20MHz

2.4.1 Test Result

Band: 42H / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3460	100	0	20	102	4.262	0.0012	-2.5 to 2.5	Pass
					120	-20.281	-0.0059	-2.5 to 2.5	Pass
					138	14.375	0.0042	-2.5 to 2.5	Pass
				-30	120	10.784	0.0031	-2.5 to 2.5	Pass
				-20	120	5.719	0.0017	-2.5 to 2.5	Pass
				-10	120	-13.086	-0.0038	-2.5 to 2.5	Pass
				0	120	-6.061	-0.0018	-2.5 to 2.5	Pass
				10	120	-22.272	-0.0064	-2.5 to 2.5	Pass
				30	120	8.197	0.0024	-2.5 to 2.5	Pass
	40	120	-14.786	-0.0043	-2.5 to 2.5	Pass			
	50	120	25.311	0.0073	-2.5 to 2.5	Pass			
	3500	100	0	20	102	-25.747	-0.0074	-2.5 to 2.5	Pass
					120	-12.231	-0.0035	-2.5 to 2.5	Pass
					138	-19.543	-0.0056	-2.5 to 2.5	Pass
				-30	120	13.689	0.0039	-2.5 to 2.5	Pass
				-20	120	-13.109	-0.0037	-2.5 to 2.5	Pass
				-10	120	-12.359	-0.0035	-2.5 to 2.5	Pass
				0	120	21.909	0.0063	-2.5 to 2.5	Pass
10				120	-17.423	-0.0050	-2.5 to 2.5	Pass	

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	3540	100	0	30	120	9.902	0.0028	-2.5 to 2.5	Pass
				40	120	-3.071	-0.0009	-2.5 to 2.5	Pass
				50	120	-5.670	-0.0016	-2.5 to 2.5	Pass
				20	102	3.135	0.0009	-2.5 to 2.5	Pass
					120	-15.535	-0.0044	-2.5 to 2.5	Pass
					138	8.852	0.0025	-2.5 to 2.5	Pass
				-30	120	-7.402	-0.0021	-2.5 to 2.5	Pass
				-20	120	17.838	0.0050	-2.5 to 2.5	Pass
				-10	120	14.806	0.0042	-2.5 to 2.5	Pass
				0	120	-14.284	-0.0040	-2.5 to 2.5	Pass
				10	120	0.845	0.0002	-2.5 to 2.5	Pass
				30	120	14.455	0.0041	-2.5 to 2.5	Pass
				40	120	7.925	0.0022	-2.5 to 2.5	Pass
				50	120	8.530	0.0024	-2.5 to 2.5	Pass
16QAM	3460	100	0	20	102	-4.928	-0.0014	-2.5 to 2.5	Pass
					120	-19.205	-0.0056	-2.5 to 2.5	Pass
					138	-24.960	-0.0072	-2.5 to 2.5	Pass
				-30	120	-22.824	-0.0066	-2.5 to 2.5	Pass
				-20	120	5.371	0.0016	-2.5 to 2.5	Pass
				-10	120	14.039	0.0041	-2.5 to 2.5	Pass
				0	120	-0.780	-0.0002	-2.5 to 2.5	Pass
				10	120	25.933	0.0075	-2.5 to 2.5	Pass
				30	120	13.000	0.0038	-2.5 to 2.5	Pass
				40	120	-22.389	-0.0065	-2.5 to 2.5	Pass

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				50	120	24.500	0.0071	-2.5 to 2.5	Pass
					102	26.436	0.0076	-2.5 to 2.5	Pass
				20	120	23.298	0.0067	-2.5 to 2.5	Pass
					138	0.926	0.0003	-2.5 to 2.5	Pass
				-30	120	21.514	0.0061	-2.5 to 2.5	Pass
				-20	120	25.833	0.0074	-2.5 to 2.5	Pass
				-10	120	-20.999	-0.0060	-2.5 to 2.5	Pass
				0	120	25.026	0.0072	-2.5 to 2.5	Pass
				10	120	4.017	0.0011	-2.5 to 2.5	Pass
				30	120	-9.318	-0.0027	-2.5 to 2.5	Pass
				40	120	27.334	0.0078	-2.5 to 2.5	Pass
				50	120	-10.247	-0.0029	-2.5 to 2.5	Pass
	3500	100	0						
					102	-8.658	-0.0024	-2.5 to 2.5	Pass
				20	120	-27.351	-0.0077	-2.5 to 2.5	Pass
					138	-19.731	-0.0056	-2.5 to 2.5	Pass
				-30	120	-12.663	-0.0036	-2.5 to 2.5	Pass
				-20	120	27.418	0.0077	-2.5 to 2.5	Pass
				-10	120	20.569	0.0058	-2.5 to 2.5	Pass
				0	120	12.878	0.0036	-2.5 to 2.5	Pass
				10	120	20.563	0.0058	-2.5 to 2.5	Pass
				30	120	-23.131	-0.0065	-2.5 to 2.5	Pass
				40	120	15.864	0.0045	-2.5 to 2.5	Pass
				50	120	-22.424	-0.0063	-2.5 to 2.5	Pass
	3540	100	0						
64QAM	3460	100	0	20	102	12.675	0.0037	-2.5 to 2.5	Pass



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				120	-5.177	-0.0015	-2.5 to 2.5	Pass	
				138	6.184	0.0018	-2.5 to 2.5	Pass	
				-30	120	-27.012	-0.0078	-2.5 to 2.5	Pass
				-20	120	3.130	0.0009	-2.5 to 2.5	Pass
				-10	120	20.833	0.0060	-2.5 to 2.5	Pass
				0	120	25.445	0.0074	-2.5 to 2.5	Pass
				10	120	21.777	0.0063	-2.5 to 2.5	Pass
				30	120	21.136	0.0061	-2.5 to 2.5	Pass
				40	120	13.276	0.0038	-2.5 to 2.5	Pass
				50	120	7.590	0.0022	-2.5 to 2.5	Pass
3500	100	0	102	25.787	0.0074	-2.5 to 2.5	Pass		
			20	120	8.186	0.0023	-2.5 to 2.5	Pass	
			138	-10.764	-0.0031	-2.5 to 2.5	Pass		
			-30	120	22.912	0.0065	-2.5 to 2.5	Pass	
			-20	120	-26.672	-0.0076	-2.5 to 2.5	Pass	
			-10	120	-6.215	-0.0018	-2.5 to 2.5	Pass	
			0	120	-22.211	-0.0063	-2.5 to 2.5	Pass	
			10	120	-7.939	-0.0023	-2.5 to 2.5	Pass	
			30	120	-0.623	-0.0002	-2.5 to 2.5	Pass	
			40	120	21.878	0.0063	-2.5 to 2.5	Pass	
50	120	-24.384	-0.0070	-2.5 to 2.5	Pass				
3540	100	0	102	1.849	0.0005	-2.5 to 2.5	Pass		
			20	120	23.617	0.0067	-2.5 to 2.5	Pass	
			138	12.055	0.0034	-2.5 to 2.5	Pass		



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				-30	120	-8.735	-0.0025	-2.5 to 2.5	Pass
				-20	120	-4.946	-0.0014	-2.5 to 2.5	Pass
				-10	120	8.692	0.0025	-2.5 to 2.5	Pass
				0	120	15.274	0.0043	-2.5 to 2.5	Pass
				10	120	-15.416	-0.0044	-2.5 to 2.5	Pass
				30	120	25.661	0.0072	-2.5 to 2.5	Pass
				40	120	20.263	0.0057	-2.5 to 2.5	Pass
				50	120	-4.829	-0.0014	-2.5 to 2.5	Pass



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2.5 B48_5MHz

2.5.1 Test Result

Band: 48 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3552.5	25	0	20	102	13.719	0.0039	-2.5 to 2.5	Pass
					120	4.048	0.0011	-2.5 to 2.5	Pass
					138	6.051	0.0017	-2.5 to 2.5	Pass
				-30	120	7.195	0.0020	-2.5 to 2.5	Pass
				-20	120	13.218	0.0037	-2.5 to 2.5	Pass
				-10	120	9.227	0.0026	-2.5 to 2.5	Pass
				0	120	10.428	0.0029	-2.5 to 2.5	Pass
				10	120	6.866	0.0019	-2.5 to 2.5	Pass
				30	120	18.082	0.0051	-2.5 to 2.5	Pass
	40	120	-2.961	-0.0008	-2.5 to 2.5	Pass			
	50	120	7.296	0.0021	-2.5 to 2.5	Pass			
	3625	25	0	20	102	-0.272	-0.0001	-2.5 to 2.5	Pass
					120	14.405	0.0040	-2.5 to 2.5	Pass
					138	22.688	0.0063	-2.5 to 2.5	Pass
				-30	120	12.760	0.0035	-2.5 to 2.5	Pass
				-20	120	11.830	0.0033	-2.5 to 2.5	Pass
				-10	120	-3.548	-0.0010	-2.5 to 2.5	Pass
				0	120	2.990	0.0008	-2.5 to 2.5	Pass
10				120	15.063	0.0042	-2.5 to 2.5	Pass	



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				30	120	7.739	0.0021	-2.5 to 2.5	Pass				
				40	120	19.684	0.0054	-2.5 to 2.5	Pass				
				50	120	27.738	0.0077	-2.5 to 2.5	Pass				
	3697.5	25	0	20	102	6.895	0.0019	-2.5 to 2.5	Pass				
120					4.435	0.0012	-2.5 to 2.5	Pass					
138					13.518	0.0037	-2.5 to 2.5	Pass					
							-30	120	-0.343	-0.0001	-2.5 to 2.5	Pass	
							-20	120	6.752	0.0018	-2.5 to 2.5	Pass	
							-10	120	8.240	0.0022	-2.5 to 2.5	Pass	
							0	120	9.956	0.0027	-2.5 to 2.5	Pass	
							10	120	7.339	0.0020	-2.5 to 2.5	Pass	
							30	120	-4.263	-0.0012	-2.5 to 2.5	Pass	
							40	120	-1.616	-0.0004	-2.5 to 2.5	Pass	
							50	120	28.138	0.0076	-2.5 to 2.5	Pass	
16QAM				3552.5	25	0	20	102	2.489	0.0007	-2.5 to 2.5	Pass	
	120	-2.160	-0.0006					-2.5 to 2.5	Pass				
	138	16.007	0.0045					-2.5 to 2.5	Pass				
								-30	120	14.563	0.0041	-2.5 to 2.5	Pass
								-20	120	12.231	0.0034	-2.5 to 2.5	Pass
								-10	120	-0.114	0.0000	-2.5 to 2.5	Pass
								0	120	-2.861	-0.0008	-2.5 to 2.5	Pass
								10	120	18.411	0.0052	-2.5 to 2.5	Pass
								30	120	1.717	0.0005	-2.5 to 2.5	Pass
								40	120	-1.888	-0.0005	-2.5 to 2.5	Pass



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				50	120	-0.587	-0.0002	-2.5 to 2.5	Pass
					102	11.716	0.0032	-2.5 to 2.5	Pass
				20	120	9.542	0.0026	-2.5 to 2.5	Pass
					138	10.786	0.0030	-2.5 to 2.5	Pass
				-30	120	17.610	0.0049	-2.5 to 2.5	Pass
				-20	120	18.668	0.0051	-2.5 to 2.5	Pass
				-10	120	1.373	0.0004	-2.5 to 2.5	Pass
				0	120	12.903	0.0036	-2.5 to 2.5	Pass
				10	120	4.263	0.0012	-2.5 to 2.5	Pass
				30	120	15.221	0.0042	-2.5 to 2.5	Pass
				40	120	20.485	0.0057	-2.5 to 2.5	Pass
				50	120	6.022	0.0017	-2.5 to 2.5	Pass
	3625	25	0						
					102	11.644	0.0031	-2.5 to 2.5	Pass
				20	120	7.596	0.0021	-2.5 to 2.5	Pass
					138	18.024	0.0049	-2.5 to 2.5	Pass
				-30	120	-2.618	-0.0007	-2.5 to 2.5	Pass
				-20	120	-0.744	-0.0002	-2.5 to 2.5	Pass
				-10	120	10.428	0.0028	-2.5 to 2.5	Pass
				0	120	-4.377	-0.0012	-2.5 to 2.5	Pass
				10	120	11.973	0.0032	-2.5 to 2.5	Pass
				30	120	16.222	0.0044	-2.5 to 2.5	Pass
				40	120	8.540	0.0023	-2.5 to 2.5	Pass
				50	120	3.104	0.0008	-2.5 to 2.5	Pass
	3697.5	25	0						
64QAM	3552.5	25	0	20	102	-8.740	-0.0025	-2.5 to 2.5	Pass



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					120	14.434	0.0041	-2.5 to 2.5	Pass	
					138	-9.828	-0.0028	-2.5 to 2.5	Pass	
					-30	120	-1.030	-0.0003	-2.5 to 2.5	Pass
					-20	120	10.643	0.0030	-2.5 to 2.5	Pass
					-10	120	0.172	0.0000	-2.5 to 2.5	Pass
					0	120	8.168	0.0023	-2.5 to 2.5	Pass
					10	120	6.895	0.0019	-2.5 to 2.5	Pass
					30	120	4.449	0.0013	-2.5 to 2.5	Pass
					40	120	0.272	0.0001	-2.5 to 2.5	Pass
					50	120	8.354	0.0024	-2.5 to 2.5	Pass
3625	25	0			102	14.062	0.0039	-2.5 to 2.5	Pass	
					20	120	16.108	0.0044	-2.5 to 2.5	Pass
					138	16.794	0.0046	-2.5 to 2.5	Pass	
					-30	120	14.405	0.0040	-2.5 to 2.5	Pass
					-20	120	15.435	0.0043	-2.5 to 2.5	Pass
					-10	120	9.227	0.0025	-2.5 to 2.5	Pass
					0	120	14.920	0.0041	-2.5 to 2.5	Pass
					10	120	14.691	0.0041	-2.5 to 2.5	Pass
					30	120	15.163	0.0042	-2.5 to 2.5	Pass
					40	120	16.122	0.0044	-2.5 to 2.5	Pass
50	120	4.463	0.0012	-2.5 to 2.5	Pass					
3697.5	25	0	20		102	9.470	0.0026	-2.5 to 2.5	Pass	
					120	5.965	0.0016	-2.5 to 2.5	Pass	
					138	18.353	0.0050	-2.5 to 2.5	Pass	



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				-30	120	-5.865	-0.0016	-2.5 to 2.5	Pass
				-20	120	17.481	0.0047	-2.5 to 2.5	Pass
				-10	120	-2.303	-0.0006	-2.5 to 2.5	Pass
				0	120	25.535	0.0069	-2.5 to 2.5	Pass
				10	120	13.905	0.0038	-2.5 to 2.5	Pass
				30	120	22.159	0.0060	-2.5 to 2.5	Pass
				40	120	10.872	0.0029	-2.5 to 2.5	Pass
				50	120	23.389	0.0063	-2.5 to 2.5	Pass



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2.6 B48_10MHz

2.6.1 Test Result

Band: 48 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3555	50	0	20	102	43.659	0.0123	-2.5 to 2.5	Pass
					120	39.668	0.0112	-2.5 to 2.5	Pass
					138	45.691	0.0129	-2.5 to 2.5	Pass
				-30	120	40.812	0.0115	-2.5 to 2.5	Pass
				-20	120	41.442	0.0117	-2.5 to 2.5	Pass
				-10	120	36.592	0.0103	-2.5 to 2.5	Pass
				0	120	38.581	0.0109	-2.5 to 2.5	Pass
				10	120	41.356	0.0116	-2.5 to 2.5	Pass
				30	120	38.638	0.0109	-2.5 to 2.5	Pass
	40	120	35.706	0.0100	-2.5 to 2.5	Pass			
	50	120	43.530	0.0122	-2.5 to 2.5	Pass			
	3625	50	0	20	102	7.725	0.0021	-2.5 to 2.5	Pass
					120	-3.819	-0.0011	-2.5 to 2.5	Pass
					138	9.971	0.0028	-2.5 to 2.5	Pass
				-30	120	-3.991	-0.0011	-2.5 to 2.5	Pass
				-20	120	19.913	0.0055	-2.5 to 2.5	Pass
				-10	120	3.147	0.0009	-2.5 to 2.5	Pass
				0	120	15.206	0.0042	-2.5 to 2.5	Pass
10				120	4.377	0.0012	-2.5 to 2.5	Pass	



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	3695	50	0	30	120	-2.933	-0.0008	-2.5 to 2.5	Pass
				40	120	11.272	0.0031	-2.5 to 2.5	Pass
				50	120	-7.310	-0.0020	-2.5 to 2.5	Pass
				20	102	19.541	0.0053	-2.5 to 2.5	Pass
					120	6.938	0.0019	-2.5 to 2.5	Pass
					138	19.484	0.0053	-2.5 to 2.5	Pass
				-30	120	26.693	0.0072	-2.5 to 2.5	Pass
				-20	120	18.382	0.0050	-2.5 to 2.5	Pass
				-10	120	31.943	0.0086	-2.5 to 2.5	Pass
				0	120	9.527	0.0026	-2.5 to 2.5	Pass
				10	120	21.057	0.0057	-2.5 to 2.5	Pass
				30	120	23.274	0.0063	-2.5 to 2.5	Pass
				40	120	17.653	0.0048	-2.5 to 2.5	Pass
				50	120	20.442	0.0055	-2.5 to 2.5	Pass
16QAM	3555	50	0	20	102	50.683	0.0143	-2.5 to 2.5	Pass
					120	48.952	0.0138	-2.5 to 2.5	Pass
					138	44.703	0.0126	-2.5 to 2.5	Pass
				-30	120	38.381	0.0108	-2.5 to 2.5	Pass
				-20	120	22.988	0.0065	-2.5 to 2.5	Pass
				-10	120	47.407	0.0133	-2.5 to 2.5	Pass
				0	120	41.871	0.0118	-2.5 to 2.5	Pass
				10	120	50.426	0.0142	-2.5 to 2.5	Pass
				30	120	52.586	0.0148	-2.5 to 2.5	Pass
				40	120	44.031	0.0124	-2.5 to 2.5	Pass

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				50	120	33.417	0.0094	-2.5 to 2.5	Pass	
						102	-11.058	-0.0031	-2.5 to 2.5	Pass
				20	120	7.310	0.0020	-2.5 to 2.5	Pass	
						138	-3.362	-0.0009	-2.5 to 2.5	Pass
				-30	120	-3.591	-0.0010	-2.5 to 2.5	Pass	
				-20	120	-0.329	-0.0001	-2.5 to 2.5	Pass	
				-10	120	-9.198	-0.0025	-2.5 to 2.5	Pass	
				0	120	9.413	0.0026	-2.5 to 2.5	Pass	
				10	120	0.215	0.0001	-2.5 to 2.5	Pass	
				30	120	3.133	0.0009	-2.5 to 2.5	Pass	
				40	120	1.903	0.0005	-2.5 to 2.5	Pass	
				50	120	-4.520	-0.0012	-2.5 to 2.5	Pass	
	3625	50	0							
						102	25.477	0.0069	-2.5 to 2.5	Pass
				20	120	31.028	0.0084	-2.5 to 2.5	Pass	
						138	31.571	0.0085	-2.5 to 2.5	Pass
				-30	120	32.845	0.0089	-2.5 to 2.5	Pass	
				-20	120	20.242	0.0055	-2.5 to 2.5	Pass	
				-10	120	19.798	0.0054	-2.5 to 2.5	Pass	
				0	120	18.053	0.0049	-2.5 to 2.5	Pass	
				10	120	25.234	0.0068	-2.5 to 2.5	Pass	
				30	120	21.973	0.0059	-2.5 to 2.5	Pass	
				40	120	27.080	0.0073	-2.5 to 2.5	Pass	
				50	120	32.630	0.0088	-2.5 to 2.5	Pass	
	3695	50	0							
64QAM	3555	50	0	20	102	22.445	0.0063	-2.5 to 2.5	Pass	



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					120	42.315	0.0119	-2.5 to 2.5	Pass	
					138	45.519	0.0128	-2.5 to 2.5	Pass	
				-30	120	36.578	0.0103	-2.5 to 2.5	Pass	
				-20	120	51.355	0.0144	-2.5 to 2.5	Pass	
				-10	120	29.311	0.0082	-2.5 to 2.5	Pass	
				0	120	37.251	0.0105	-2.5 to 2.5	Pass	
				10	120	58.951	0.0166	-2.5 to 2.5	Pass	
				30	120	31.986	0.0090	-2.5 to 2.5	Pass	
				40	120	34.747	0.0098	-2.5 to 2.5	Pass	
				50	120	37.680	0.0106	-2.5 to 2.5	Pass	
	3625	50	0		102	-13.433	-0.0037	-2.5 to 2.5	Pass	
					20	120	14.033	0.0039	-2.5 to 2.5	Pass
					138	-4.435	-0.0012	-2.5 to 2.5	Pass	
				-30	120	11.015	0.0030	-2.5 to 2.5	Pass	
				-20	120	-4.978	-0.0014	-2.5 to 2.5	Pass	
				-10	120	-4.034	-0.0011	-2.5 to 2.5	Pass	
				0	120	14.176	0.0039	-2.5 to 2.5	Pass	
				10	120	19.226	0.0053	-2.5 to 2.5	Pass	
				30	120	-21.858	-0.0060	-2.5 to 2.5	Pass	
				40	120	11.158	0.0031	-2.5 to 2.5	Pass	
50	120	-0.672	-0.0002	-2.5 to 2.5	Pass					
3695	50	0	20	102	51.055	0.0138	-2.5 to 2.5	Pass		
				120	31.729	0.0086	-2.5 to 2.5	Pass		
				138	12.145	0.0033	-2.5 to 2.5	Pass		



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				-30	120	14.563	0.0039	-2.5 to 2.5	Pass
				-20	120	13.561	0.0037	-2.5 to 2.5	Pass
				-10	120	18.525	0.0050	-2.5 to 2.5	Pass
				0	120	22.945	0.0062	-2.5 to 2.5	Pass
				10	120	16.866	0.0046	-2.5 to 2.5	Pass
				30	120	10.099	0.0027	-2.5 to 2.5	Pass
				40	120	13.390	0.0036	-2.5 to 2.5	Pass
				50	120	21.114	0.0057	-2.5 to 2.5	Pass



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2.7 B48_15MHz

2.7.1 Test Result

Band: 48 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3557.5	75	0	20	102	5.865	0.0016	-2.5 to 2.5	Pass
					120	7.796	0.0022	-2.5 to 2.5	Pass
					138	15.364	0.0043	-2.5 to 2.5	Pass
				-30	120	-2.117	-0.0006	-2.5 to 2.5	Pass
				-20	120	-1.960	-0.0006	-2.5 to 2.5	Pass
				-10	120	21.329	0.0060	-2.5 to 2.5	Pass
				0	120	22.302	0.0063	-2.5 to 2.5	Pass
				10	120	-1.988	-0.0006	-2.5 to 2.5	Pass
				30	120	20.142	0.0057	-2.5 to 2.5	Pass
	40	120	-8.154	-0.0023	-2.5 to 2.5	Pass			
	50	120	-1.731	-0.0005	-2.5 to 2.5	Pass			
	3625	75	0	20	102	57.521	0.0159	-2.5 to 2.5	Pass
					120	46.935	0.0129	-2.5 to 2.5	Pass
					138	44.861	0.0124	-2.5 to 2.5	Pass
				-30	120	43.488	0.0120	-2.5 to 2.5	Pass
				-20	120	52.428	0.0145	-2.5 to 2.5	Pass
				-10	120	41.599	0.0115	-2.5 to 2.5	Pass
				0	120	40.269	0.0111	-2.5 to 2.5	Pass
10				120	36.678	0.0101	-2.5 to 2.5	Pass	



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				30	120	41.213	0.0114	-2.5 to 2.5	Pass				
				40	120	48.380	0.0133	-2.5 to 2.5	Pass				
				50	120	35.434	0.0098	-2.5 to 2.5	Pass				
	3692.5	75	0	20	102	5.350	0.0014	-2.5 to 2.5	Pass				
					120	17.796	0.0048	-2.5 to 2.5	Pass				
					138	7.067	0.0019	-2.5 to 2.5	Pass				
							-30	120	3.591	0.0010	-2.5 to 2.5	Pass	
							-20	120	1.073	0.0003	-2.5 to 2.5	Pass	
							-10	120	5.393	0.0015	-2.5 to 2.5	Pass	
							0	120	6.337	0.0017	-2.5 to 2.5	Pass	
							10	120	2.832	0.0008	-2.5 to 2.5	Pass	
							30	120	18.325	0.0050	-2.5 to 2.5	Pass	
							40	120	7.010	0.0019	-2.5 to 2.5	Pass	
							50	120	9.885	0.0027	-2.5 to 2.5	Pass	
16QAM				3557.5	75	0	20	102	10.386	0.0029	-2.5 to 2.5	Pass	
									120	-0.372	-0.0001	-2.5 to 2.5	Pass
		138	20.971					0.0059	-2.5 to 2.5	Pass			
								-30	120	6.952	0.0020	-2.5 to 2.5	Pass
								-20	120	24.047	0.0068	-2.5 to 2.5	Pass
								-10	120	5.465	0.0015	-2.5 to 2.5	Pass
								0	120	16.937	0.0048	-2.5 to 2.5	Pass
								10	120	-7.195	-0.0020	-2.5 to 2.5	Pass
								30	120	7.181	0.0020	-2.5 to 2.5	Pass
								40	120	6.523	0.0018	-2.5 to 2.5	Pass



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				50	120	-2.618	-0.0007	-2.5 to 2.5	Pass
					102	43.173	0.0119	-2.5 to 2.5	Pass
				20	120	35.176	0.0097	-2.5 to 2.5	Pass
					138	52.013	0.0143	-2.5 to 2.5	Pass
				-30	120	42.872	0.0118	-2.5 to 2.5	Pass
				-20	120	38.137	0.0105	-2.5 to 2.5	Pass
				-10	120	42.400	0.0117	-2.5 to 2.5	Pass
				0	120	46.434	0.0128	-2.5 to 2.5	Pass
				10	120	47.522	0.0131	-2.5 to 2.5	Pass
				30	120	37.580	0.0104	-2.5 to 2.5	Pass
				40	120	35.462	0.0098	-2.5 to 2.5	Pass
				50	120	28.038	0.0077	-2.5 to 2.5	Pass
	3625	75	0						
					102	7.353	0.0020	-2.5 to 2.5	Pass
				20	120	6.008	0.0016	-2.5 to 2.5	Pass
					138	11.129	0.0030	-2.5 to 2.5	Pass
				-30	120	4.678	0.0013	-2.5 to 2.5	Pass
				-20	120	11.702	0.0032	-2.5 to 2.5	Pass
				-10	120	-7.997	-0.0022	-2.5 to 2.5	Pass
				0	120	7.396	0.0020	-2.5 to 2.5	Pass
				10	120	8.469	0.0023	-2.5 to 2.5	Pass
				30	120	-2.103	-0.0006	-2.5 to 2.5	Pass
				40	120	11.859	0.0032	-2.5 to 2.5	Pass
				50	120	16.065	0.0044	-2.5 to 2.5	Pass
	3692.5	75	0						
64QAM	3557.5	75	0	20	102	0.100	0.0000	-2.5 to 2.5	Pass



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					120	7.997	0.0022	-2.5 to 2.5	Pass	
					138	5.665	0.0016	-2.5 to 2.5	Pass	
					-30	120	11.716	0.0033	-2.5 to 2.5	Pass
					-20	120	9.871	0.0028	-2.5 to 2.5	Pass
					-10	120	12.474	0.0035	-2.5 to 2.5	Pass
					0	120	7.181	0.0020	-2.5 to 2.5	Pass
					10	120	7.939	0.0022	-2.5 to 2.5	Pass
					30	120	7.095	0.0020	-2.5 to 2.5	Pass
					40	120	-2.646	-0.0007	-2.5 to 2.5	Pass
					50	120	11.830	0.0033	-2.5 to 2.5	Pass
3625	75	0			102	48.995	0.0135	-2.5 to 2.5	Pass	
					20	120	52.700	0.0145	-2.5 to 2.5	Pass
					138	46.663	0.0129	-2.5 to 2.5	Pass	
					-30	120	48.838	0.0135	-2.5 to 2.5	Pass
					-20	120	16.937	0.0047	-2.5 to 2.5	Pass
					-10	120	49.882	0.0138	-2.5 to 2.5	Pass
					0	120	31.185	0.0086	-2.5 to 2.5	Pass
					10	120	42.071	0.0116	-2.5 to 2.5	Pass
					30	120	40.283	0.0111	-2.5 to 2.5	Pass
					40	120	40.340	0.0111	-2.5 to 2.5	Pass
50	120	44.918	0.0124	-2.5 to 2.5	Pass					
3692.5	75	0	20		102	5.865	0.0016	-2.5 to 2.5	Pass	
					120	-0.901	-0.0002	-2.5 to 2.5	Pass	
					138	-10.214	-0.0028	-2.5 to 2.5	Pass	



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				-30	120	2.089	0.0006	-2.5 to 2.5	Pass
				-20	120	9.012	0.0024	-2.5 to 2.5	Pass
				-10	120	10.529	0.0029	-2.5 to 2.5	Pass
				0	120	3.977	0.0011	-2.5 to 2.5	Pass
				10	120	1.860	0.0005	-2.5 to 2.5	Pass
				30	120	-0.672	-0.0002	-2.5 to 2.5	Pass
				40	120	0.644	0.0002	-2.5 to 2.5	Pass
				50	120	16.766	0.0045	-2.5 to 2.5	Pass



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2.8 B48_20MHz

2.8.1 Test Result

Band: 48 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3560	100	0	20	102	64.774	0.0182	-2.5 to 2.5	Pass
					120	26.522	0.0074	-2.5 to 2.5	Pass
					138	48.738	0.0137	-2.5 to 2.5	Pass
				-30	120	54.445	0.0153	-2.5 to 2.5	Pass
				-20	120	42.987	0.0121	-2.5 to 2.5	Pass
				-10	120	21.358	0.0060	-2.5 to 2.5	Pass
				0	120	52.156	0.0147	-2.5 to 2.5	Pass
				10	120	41.156	0.0116	-2.5 to 2.5	Pass
				30	120	60.353	0.0170	-2.5 to 2.5	Pass
	40	120	61.641	0.0173	-2.5 to 2.5	Pass			
	50	120	26.536	0.0075	-2.5 to 2.5	Pass			
	3625	100	0	20	102	22.416	0.0062	-2.5 to 2.5	Pass
					120	46.206	0.0127	-2.5 to 2.5	Pass
					138	34.432	0.0095	-2.5 to 2.5	Pass
				-30	120	51.312	0.0142	-2.5 to 2.5	Pass
				-20	120	35.205	0.0097	-2.5 to 2.5	Pass
				-10	120	33.116	0.0091	-2.5 to 2.5	Pass
				0	120	33.660	0.0093	-2.5 to 2.5	Pass
10				120	44.246	0.0122	-2.5 to 2.5	Pass	



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	3690	100	0	30	120	50.368	0.0139	-2.5 to 2.5	Pass
				40	120	42.944	0.0118	-2.5 to 2.5	Pass
				50	120	47.507	0.0131	-2.5 to 2.5	Pass
				20	102	16.809	0.0046	-2.5 to 2.5	Pass
					120	27.065	0.0073	-2.5 to 2.5	Pass
					138	32.687	0.0089	-2.5 to 2.5	Pass
				-30	120	45.991	0.0125	-2.5 to 2.5	Pass
				-20	120	32.830	0.0089	-2.5 to 2.5	Pass
				-10	120	29.612	0.0080	-2.5 to 2.5	Pass
				0	120	18.926	0.0051	-2.5 to 2.5	Pass
				10	120	36.349	0.0099	-2.5 to 2.5	Pass
				30	120	30.856	0.0084	-2.5 to 2.5	Pass
				40	120	25.821	0.0070	-2.5 to 2.5	Pass
50	120	23.375	0.0063	-2.5 to 2.5	Pass				
16QAM	3560	100	0	20	102	43.201	0.0121	-2.5 to 2.5	Pass
					120	41.142	0.0116	-2.5 to 2.5	Pass
					138	50.883	0.0143	-2.5 to 2.5	Pass
				-30	120	51.527	0.0145	-2.5 to 2.5	Pass
				-20	120	61.870	0.0174	-2.5 to 2.5	Pass
				-10	120	69.108	0.0194	-2.5 to 2.5	Pass
				0	120	47.822	0.0134	-2.5 to 2.5	Pass
				10	120	55.418	0.0156	-2.5 to 2.5	Pass
				30	120	39.310	0.0110	-2.5 to 2.5	Pass
				40	120	49.424	0.0139	-2.5 to 2.5	Pass



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				50	120	52.872	0.0149	-2.5 to 2.5	Pass	
						102	28.596	0.0079	-2.5 to 2.5	Pass
				20	120	42.372	0.0117	-2.5 to 2.5	Pass	
						138	37.994	0.0105	-2.5 to 2.5	Pass
				-30	120	32.887	0.0091	-2.5 to 2.5	Pass	
				-20	120	26.150	0.0072	-2.5 to 2.5	Pass	
				-10	120	33.031	0.0091	-2.5 to 2.5	Pass	
				0	120	37.107	0.0102	-2.5 to 2.5	Pass	
				10	120	35.434	0.0098	-2.5 to 2.5	Pass	
				30	120	17.538	0.0048	-2.5 to 2.5	Pass	
				40	120	27.680	0.0076	-2.5 to 2.5	Pass	
				50	120	31.314	0.0086	-2.5 to 2.5	Pass	
	3625	100	0			102	27.137	0.0074	-2.5 to 2.5	Pass
				20	120	42.715	0.0116	-2.5 to 2.5	Pass	
						138	44.117	0.0120	-2.5 to 2.5	Pass
				-30	120	58.737	0.0159	-2.5 to 2.5	Pass	
				-20	120	58.980	0.0160	-2.5 to 2.5	Pass	
				-10	120	39.840	0.0108	-2.5 to 2.5	Pass	
				0	120	25.392	0.0069	-2.5 to 2.5	Pass	
				10	120	40.784	0.0111	-2.5 to 2.5	Pass	
				30	120	27.709	0.0075	-2.5 to 2.5	Pass	
				40	120	25.921	0.0070	-2.5 to 2.5	Pass	
				50	120	36.321	0.0098	-2.5 to 2.5	Pass	
	3690	100	0			102	27.137	0.0074	-2.5 to 2.5	Pass
				20	120	42.715	0.0116	-2.5 to 2.5	Pass	
						138	44.117	0.0120	-2.5 to 2.5	Pass
				-30	120	58.737	0.0159	-2.5 to 2.5	Pass	
				-20	120	58.980	0.0160	-2.5 to 2.5	Pass	
				-10	120	39.840	0.0108	-2.5 to 2.5	Pass	
				0	120	25.392	0.0069	-2.5 to 2.5	Pass	
				10	120	40.784	0.0111	-2.5 to 2.5	Pass	
				30	120	27.709	0.0075	-2.5 to 2.5	Pass	
				40	120	25.921	0.0070	-2.5 to 2.5	Pass	
				50	120	36.321	0.0098	-2.5 to 2.5	Pass	
64QAM	3560	100	0	20	102	25.406	0.0071	-2.5 to 2.5	Pass	



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					120	39.153	0.0110	-2.5 to 2.5	Pass	
					138	48.280	0.0136	-2.5 to 2.5	Pass	
				-30	120	31.443	0.0088	-2.5 to 2.5	Pass	
				-20	120	38.109	0.0107	-2.5 to 2.5	Pass	
				-10	120	80.409	0.0226	-2.5 to 2.5	Pass	
				0	120	43.416	0.0122	-2.5 to 2.5	Pass	
				10	120	43.430	0.0122	-2.5 to 2.5	Pass	
				30	120	26.851	0.0075	-2.5 to 2.5	Pass	
				40	120	54.960	0.0154	-2.5 to 2.5	Pass	
				50	120	61.326	0.0172	-2.5 to 2.5	Pass	
	3625	100	0		102	25.492	0.0070	-2.5 to 2.5	Pass	
				20	120	57.921	0.0160	-2.5 to 2.5	Pass	
					138	28.124	0.0078	-2.5 to 2.5	Pass	
					-30	120	31.328	0.0086	-2.5 to 2.5	Pass
					-20	120	45.218	0.0125	-2.5 to 2.5	Pass
					-10	120	55.146	0.0152	-2.5 to 2.5	Pass
					0	120	35.892	0.0099	-2.5 to 2.5	Pass
					10	120	39.253	0.0108	-2.5 to 2.5	Pass
					30	120	42.286	0.0117	-2.5 to 2.5	Pass
					40	120	34.232	0.0094	-2.5 to 2.5	Pass
					50	120	37.208	0.0103	-2.5 to 2.5	Pass
				3690	100	0		102	31.600	0.0086
	20	120	46.964				0.0127	-2.5 to 2.5	Pass	
		138	31.385				0.0085	-2.5 to 2.5	Pass	



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				-30	120	28.267	0.0077	-2.5 to 2.5	Pass
				-20	120	36.707	0.0099	-2.5 to 2.5	Pass
				-10	120	45.233	0.0123	-2.5 to 2.5	Pass
				0	120	37.336	0.0101	-2.5 to 2.5	Pass
				10	120	32.644	0.0088	-2.5 to 2.5	Pass
				30	120	34.518	0.0094	-2.5 to 2.5	Pass
				40	120	34.804	0.0094	-2.5 to 2.5	Pass
				50	120	48.108	0.0130	-2.5 to 2.5	Pass



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4. 99% & 26dB Bandwidth

4.1 Band42H_OBW

4.1.1 Test Result

Band: 42H / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% OCW (MHz)	-26dB OCW (MHz)	Verdict
			Size	Offset	Result	Result	
5	QPSK	3452.5	25	0	4.504	5.063	Pass
		3500	25	0	4.506	5.121	Pass
		3547.5	25	0	4.522	5.662	Pass
	16QAM	3452.5	25	0	4.531	5.370	Pass
		3500	25	0	4.505	5.185	Pass
		3547.5	25	0	4.535	5.370	Pass
	64QAM	3452.5	25	0	4.508	5.126	Pass
		3500	25	0	4.512	5.098	Pass
		3547.5	25	0	4.514	5.148	Pass
10	QPSK	3455	50	0	9.029	10.040	Pass
		3500	50	0	9.065	9.927	Pass
		3545	50	0	9.073	9.971	Pass
	16QAM	3455	50	0	9.021	9.868	Pass
		3500	50	0	9.064	9.857	Pass
		3545	50	0	9.026	9.974	Pass
	64QAM	3455	50	0	9.004	9.922	Pass
		3500	50	0	9.041	10.190	Pass



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		3545	50	0	9.044	10.160	Pass
15	QPSK	3457.5	75	0	13.446	14.170	Pass
		3500	75	0	13.428	14.510	Pass
		3542.5	75	0	13.438	14.410	Pass
	16QAM	3457.5	75	0	13.445	14.490	Pass
		3500	75	0	13.501	14.340	Pass
		3542.5	75	0	13.448	14.590	Pass
	64QAM	3457.5	75	0	13.430	14.250	Pass
		3500	75	0	13.487	15.780	Pass
		3542.5	75	0	13.455	14.620	Pass
20	QPSK	3460	100	0	18.320	20.450	Pass
		3500	100	0	18.340	20.170	Pass
		3540	100	0	18.370	20.180	Pass
	16QAM	3460	100	0	18.316	20.270	Pass
		3500	100	0	18.384	20.140	Pass
		3540	100	0	18.339	20.190	Pass
	64QAM	3460	100	0	18.302	20.430	Pass
		3500	100	0	18.351	20.270	Pass
		3540	100	0	18.328	20.050	Pass



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4.1.2 Test Graph

Band42H_5MHz_QPSK_LCH_3452.5MHz_RB_25_0_NTNV



Band42H_5MHz_QPSK_MCH_3500MHz_RB_25_0_NTNV



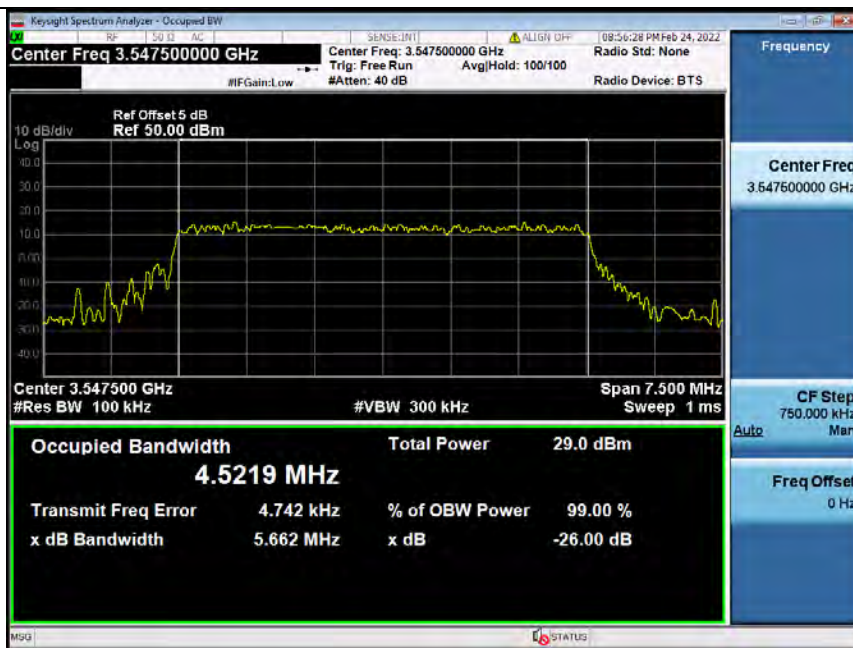
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Band42H_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV



Band42H_5MHz_16QAM_LCH_3452.5MHz_RB_25_0_NTNV



Band42H_5MHz_16QAM_MCH_3500MHz_RB_25_0_NTNV



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Band42H_5MHz_16QAM_HCH_3547.5MHz_RB_25_0_NTNV

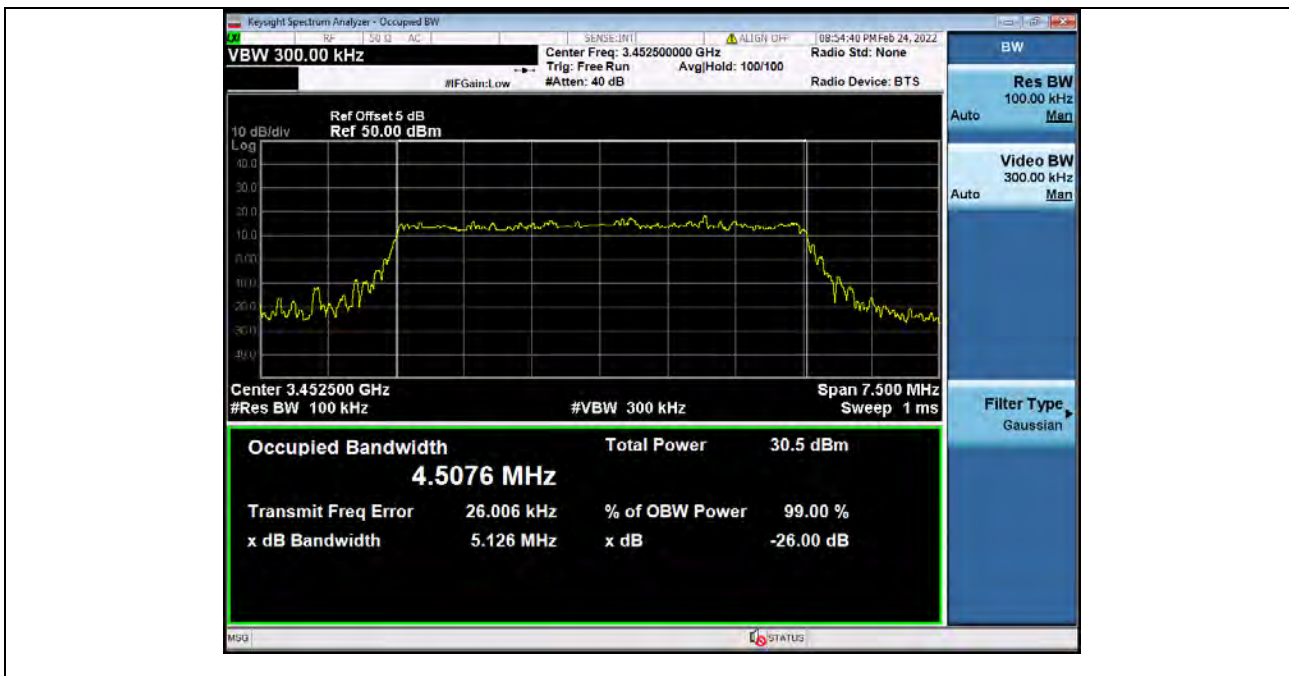


Band42H_5MHz_64QAM_LCH_3452.5MHz_RB_25_0_NTNV

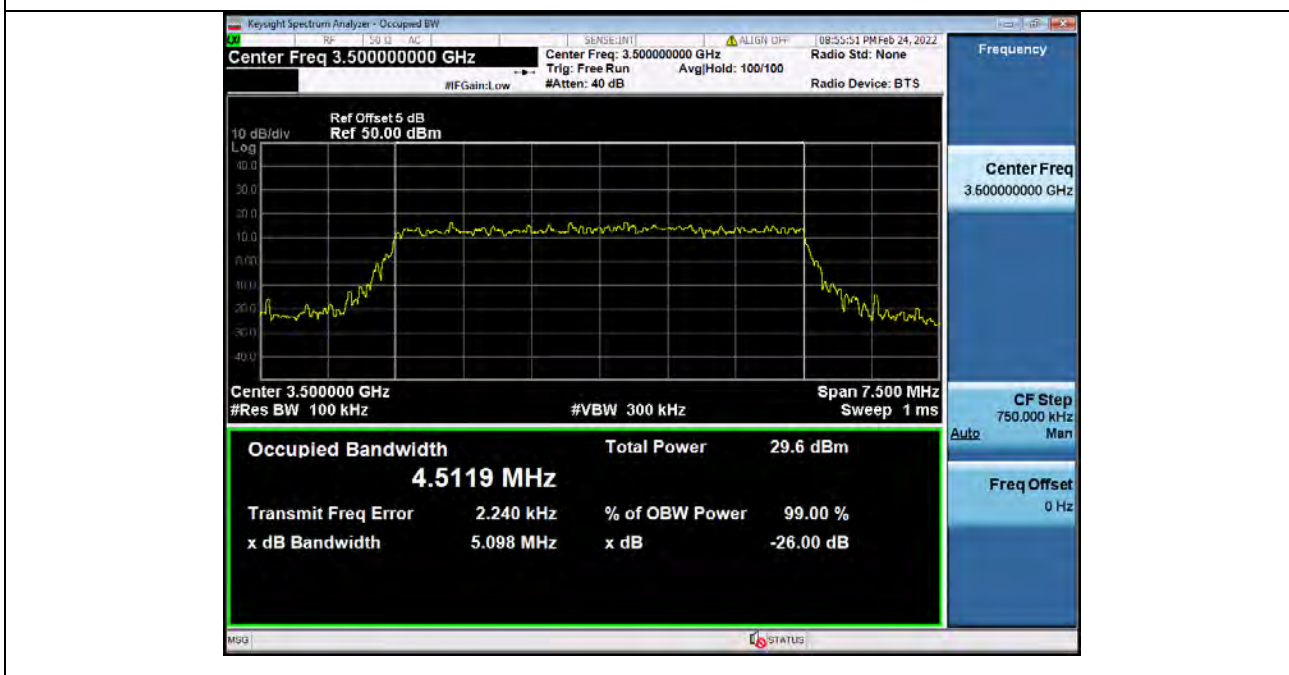


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Band42H_5MHz_64QAM_MCH_3500MHz_RB_25_0_NTNV

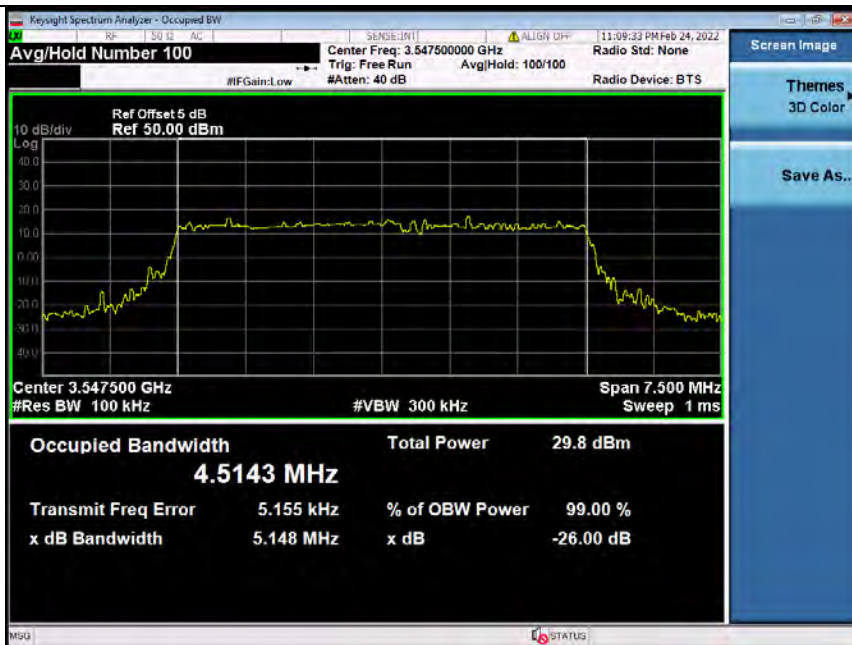


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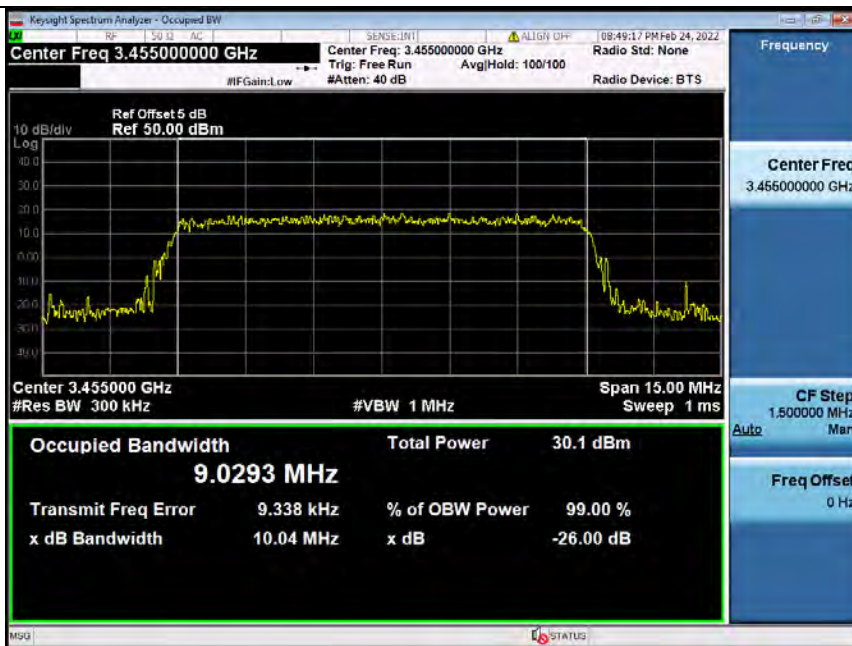


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Band42H_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV

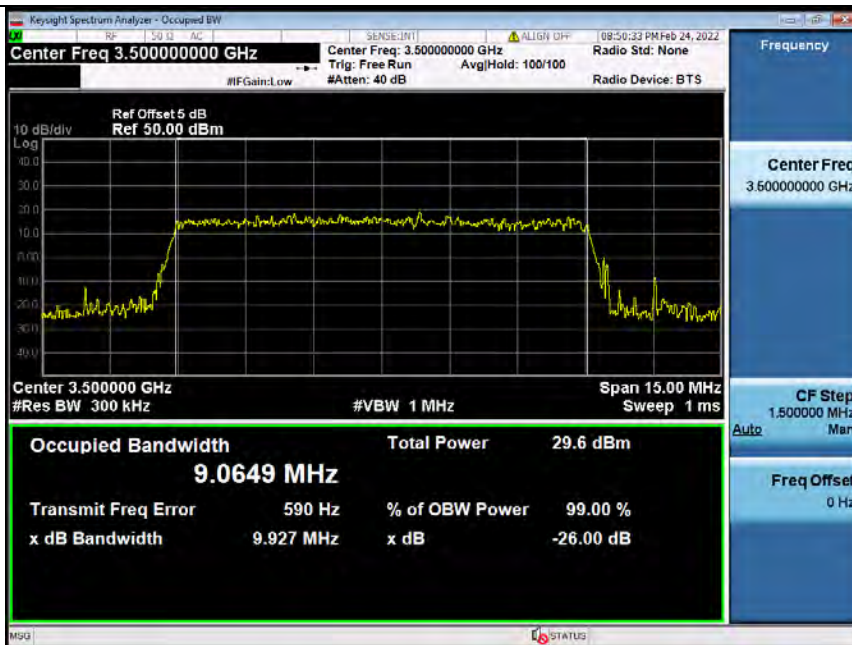


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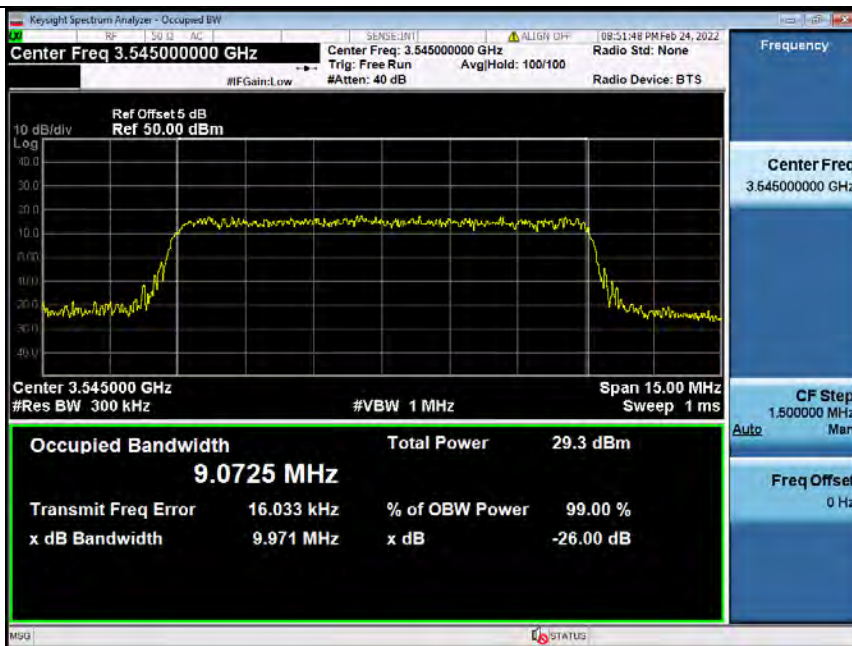


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Band42H_10MHz_QPSK_HCH_3545MHz_RB_50_0_NTNV

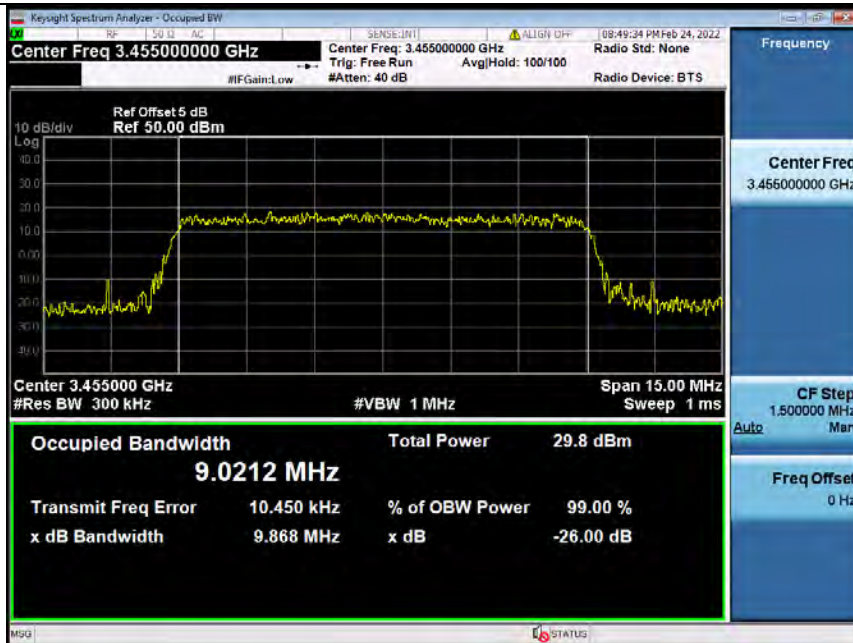


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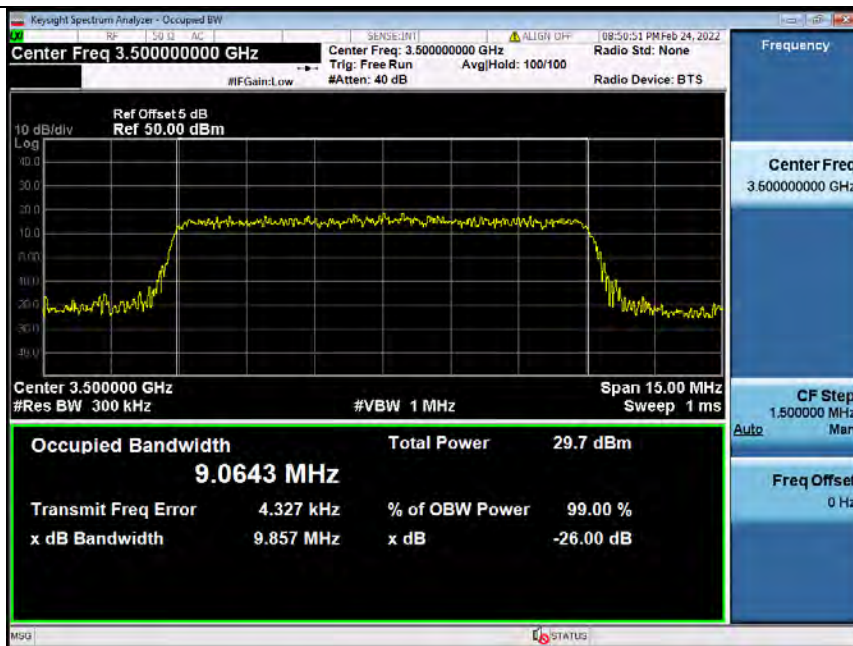


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Band42H_10MHz_16QAM_MCH_3500MHz_RB_50_0_NTNV

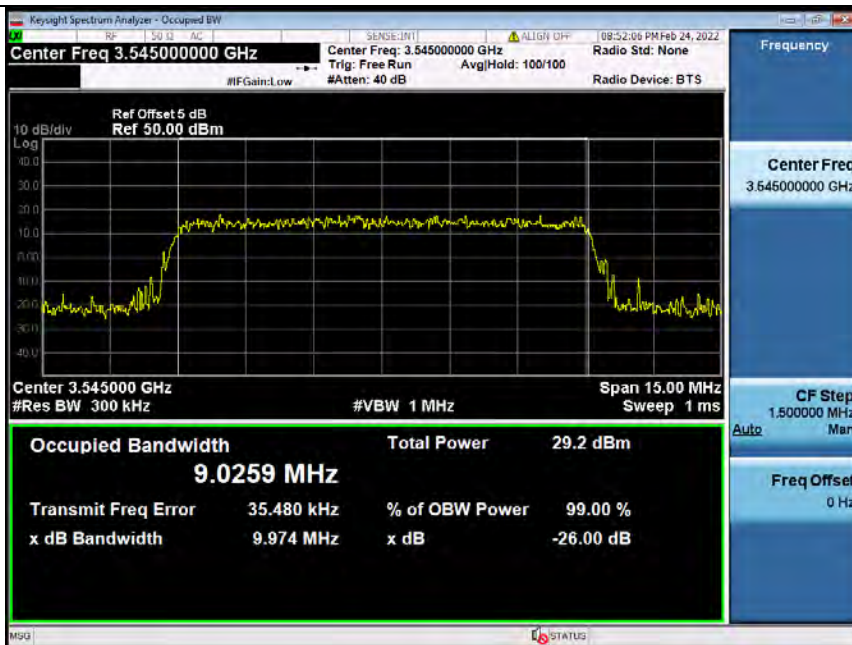


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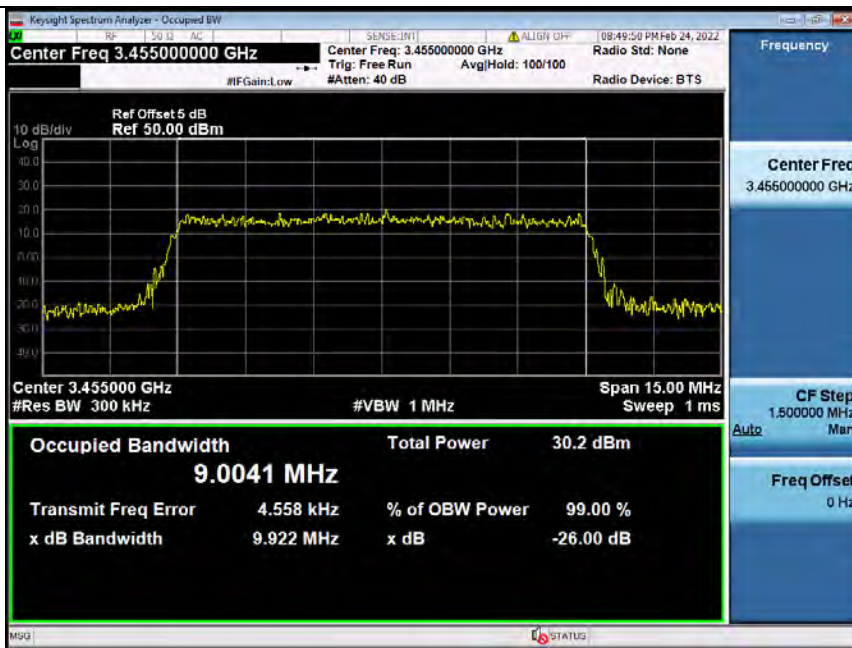


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Band42H_10MHz_64QAM_LCH_3455MHz_RB_50_0_NTNV



Band42H_10MHz_64QAM_MCH_3500MHz_RB_50_0_NTNV

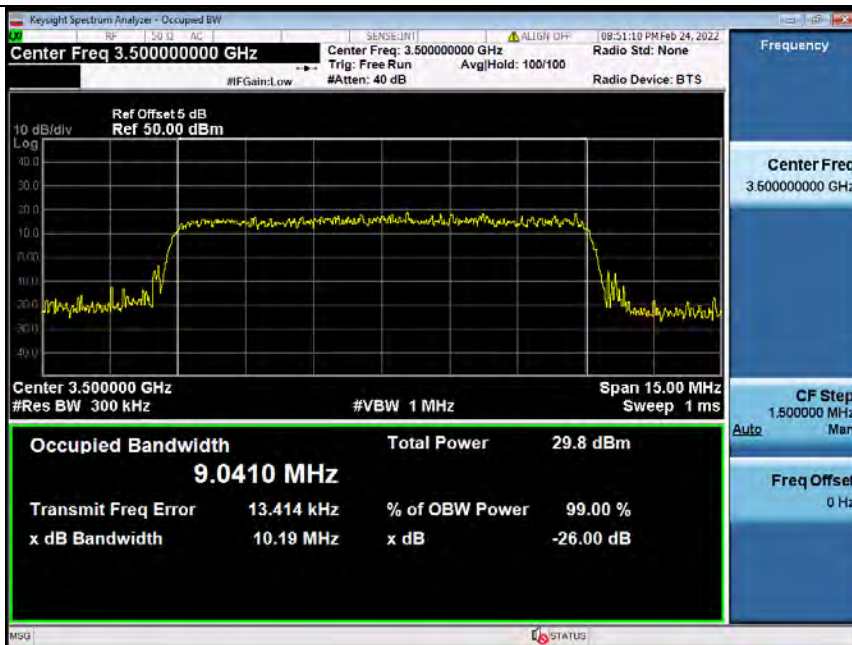


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Band42H_10MHz_64QAM_HCH_3545MHz_RB_50_0_NTNV

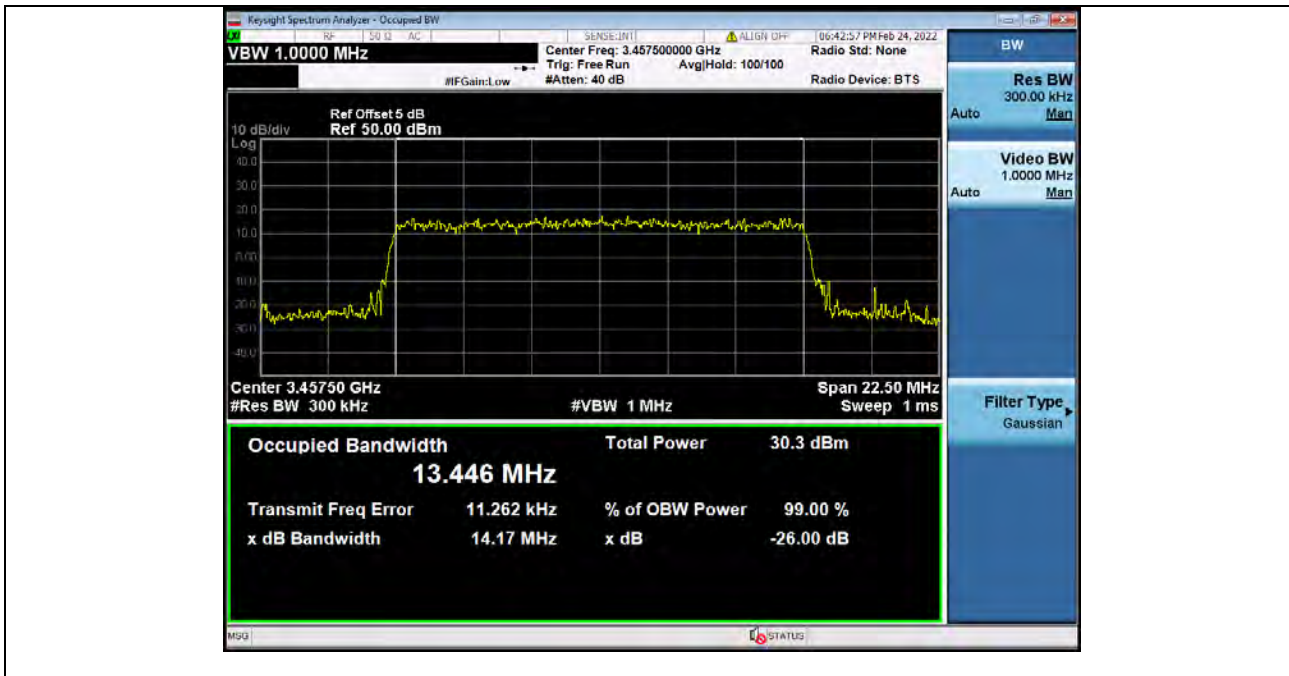


Band42H_15MHz_PSSK_LCH_3457.5MHz_RB_75_0_NTNV

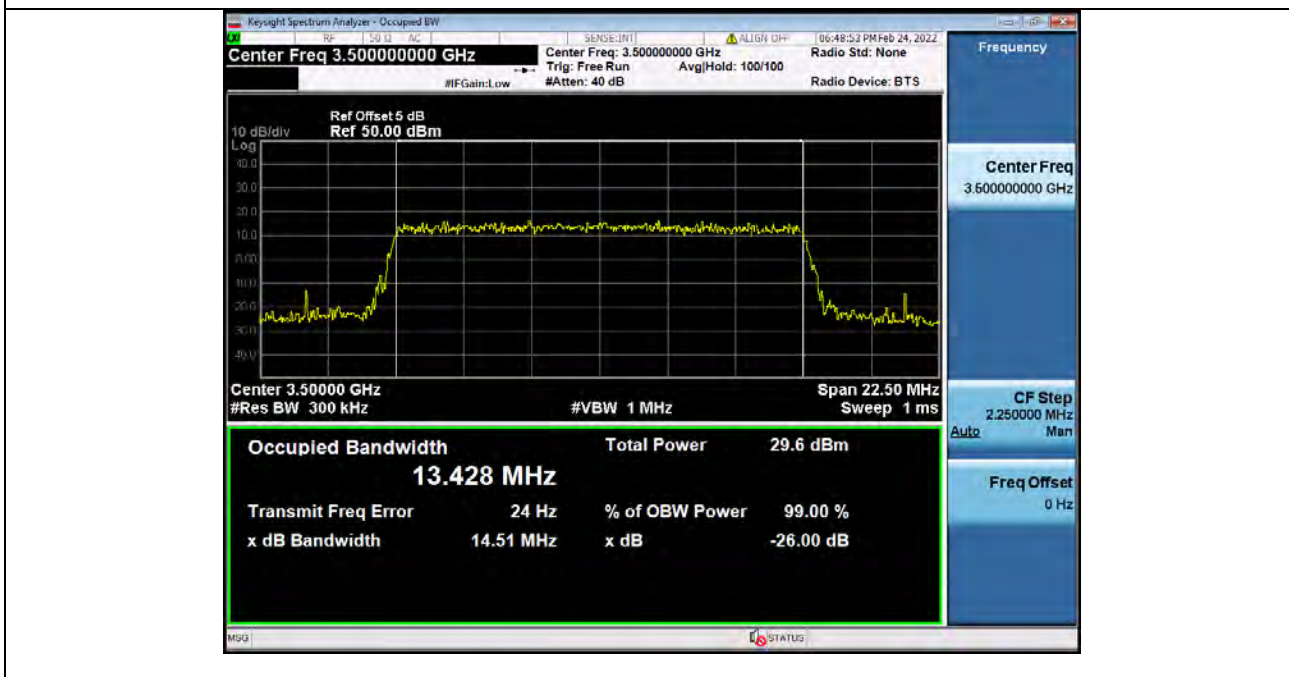


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Band42H_15MHz_QPSK_MCH_3500MHz_RB_75_0_NTNV



Band42H_15MHz_QPSK_HCH_3542.5MHz_RB_75_0_NTNV

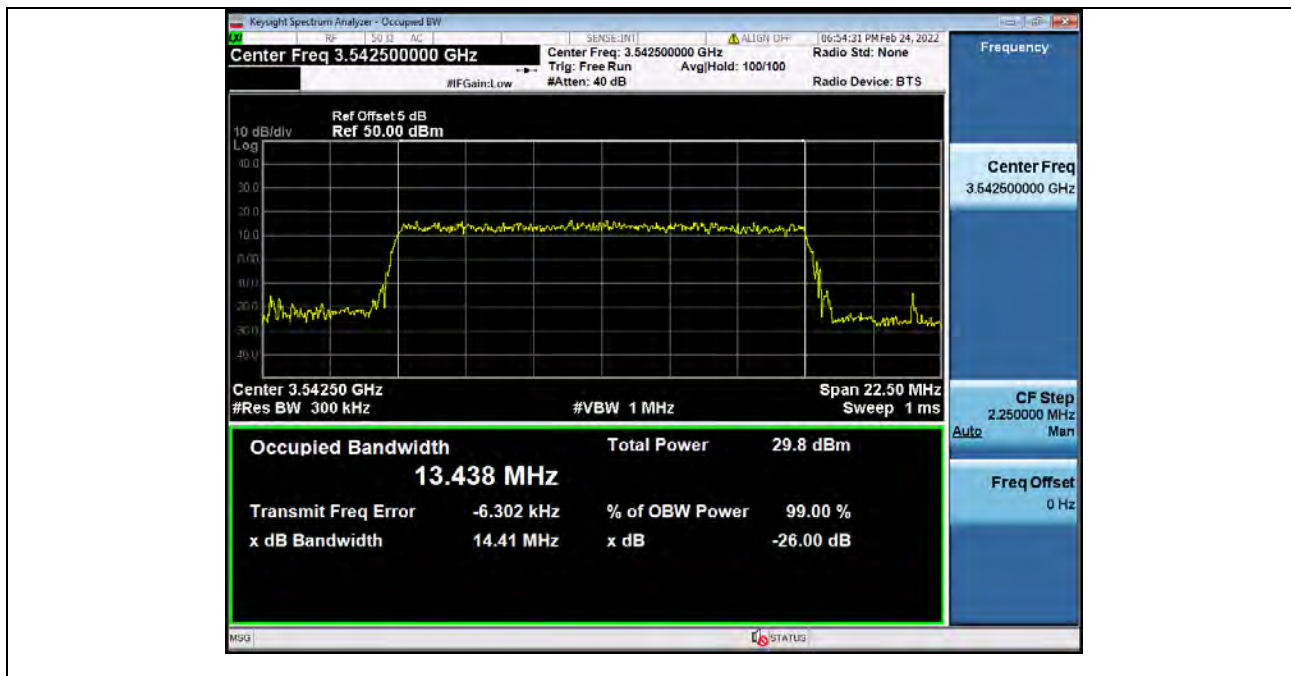


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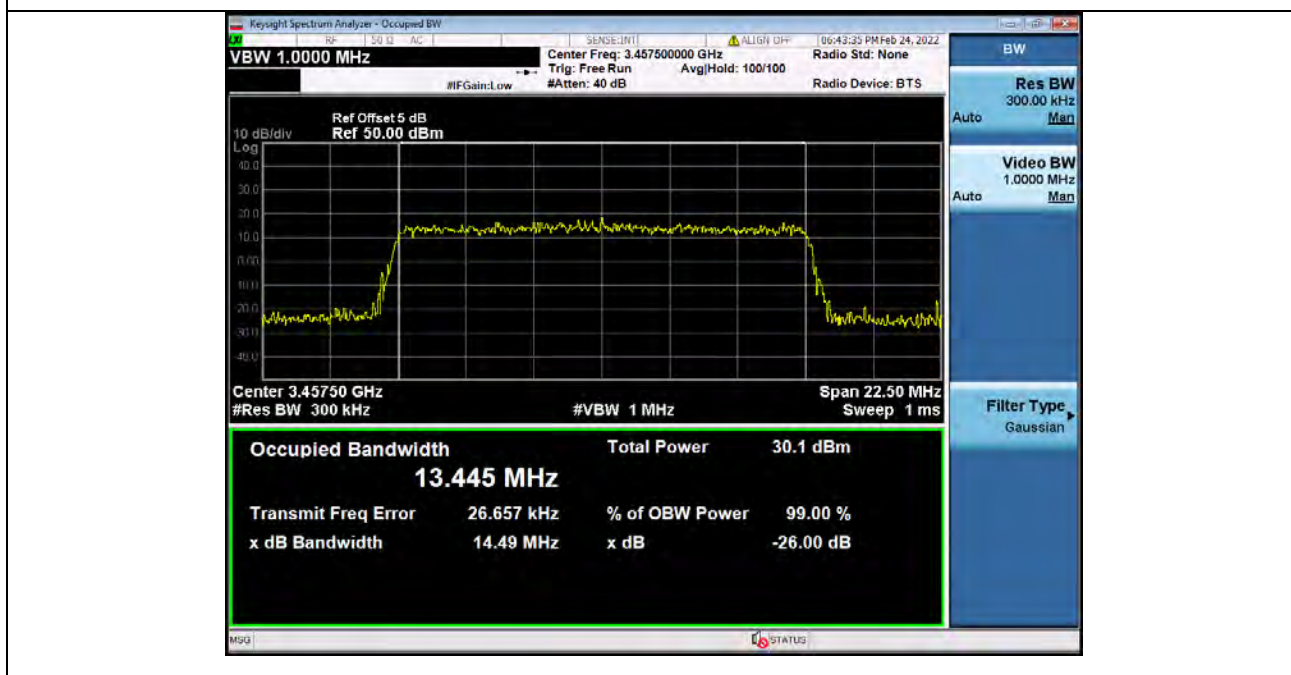
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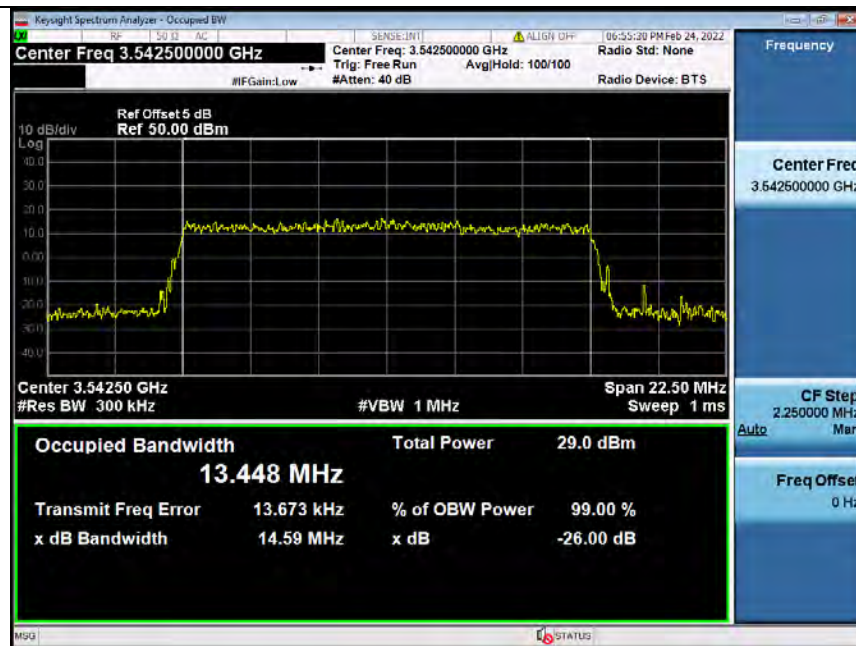


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Band42H_15MHz_16QAM_HCH_3542.5MHz_RB_75_0_NTNV



Band42H_15MHz_64QAM_LCH_3457.5MHz_RB_75_0_NTNV

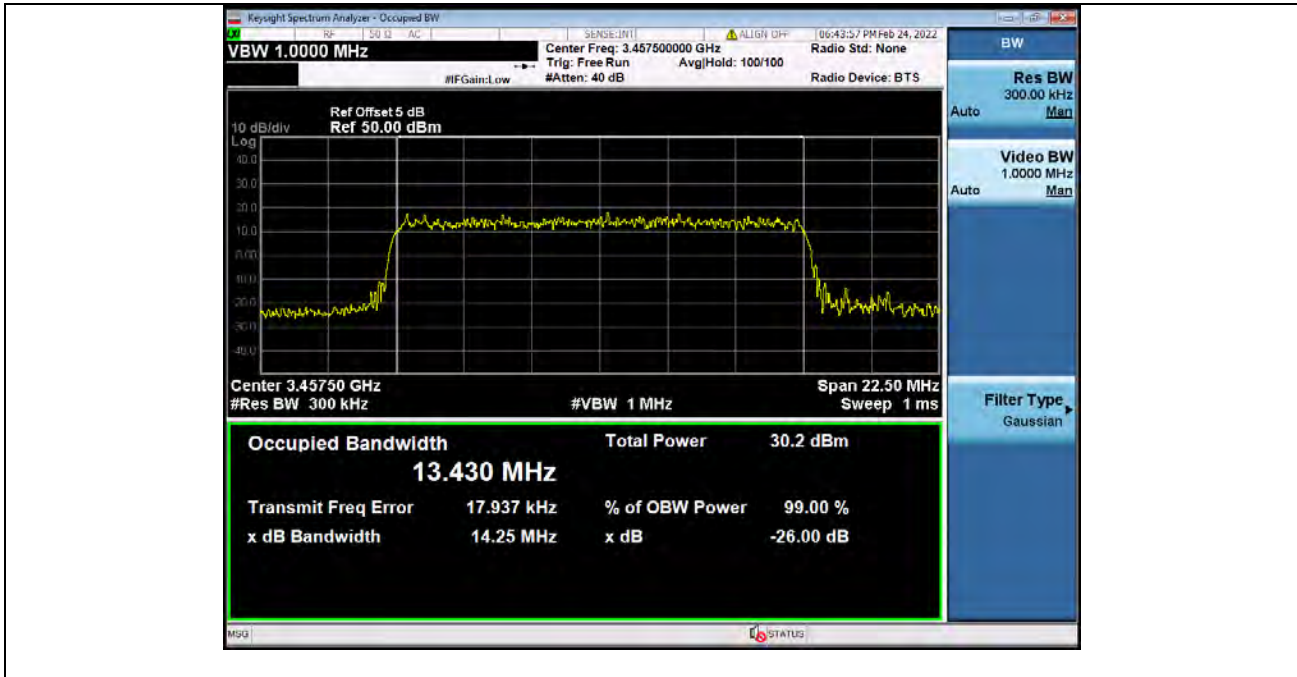


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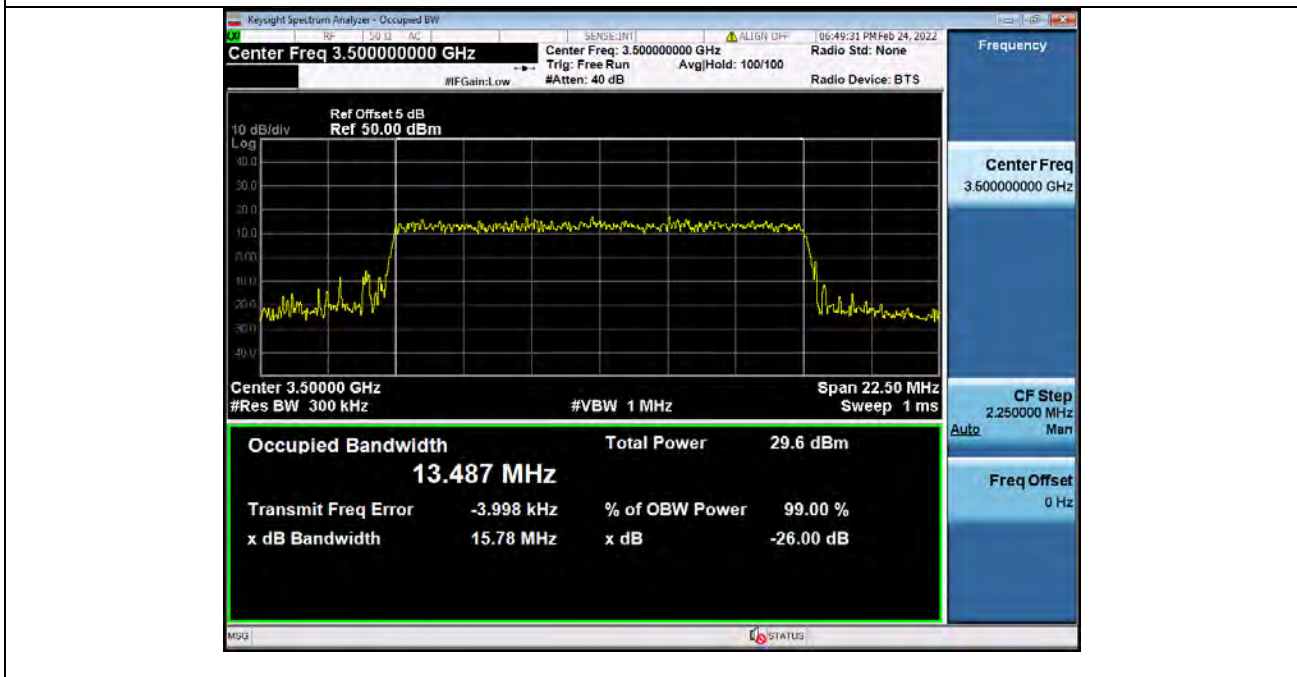
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Band42H_15MHz_64QAM_MCH_3500MHz_RB_75_0_NTNV



Band42H_15MHz_64QAM_HCH_3542.5MHz_RB_75_0_NTNV

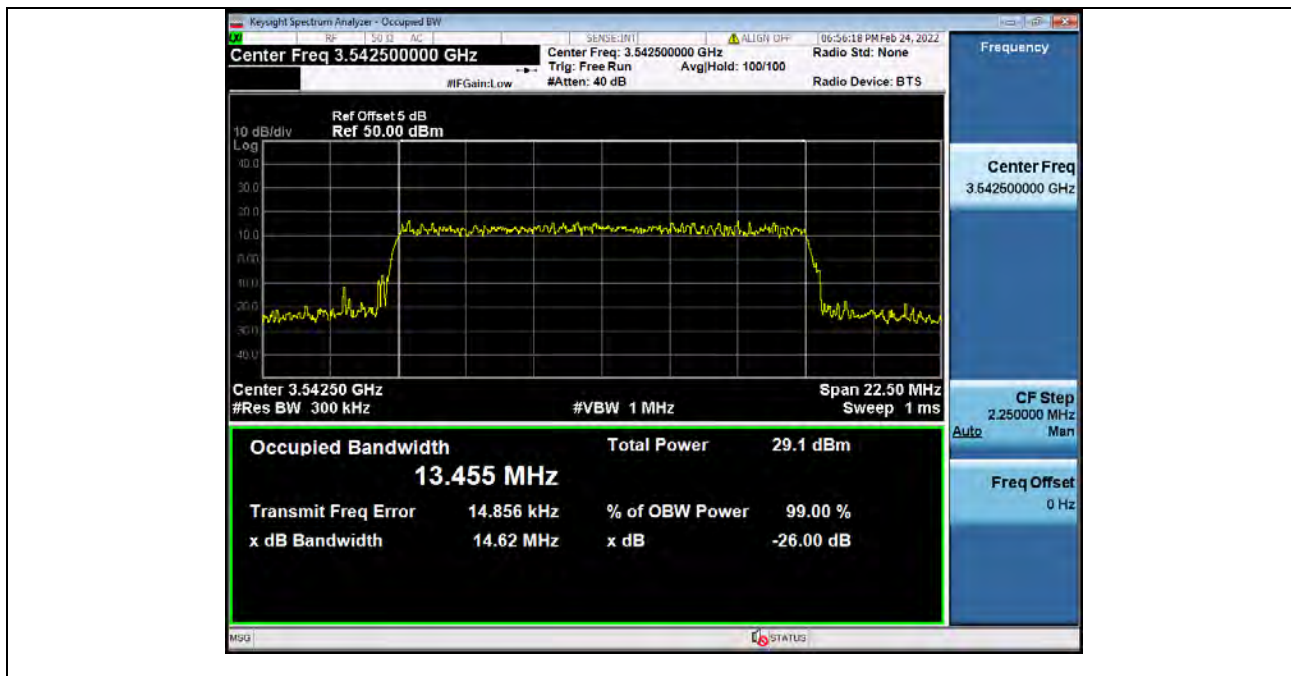


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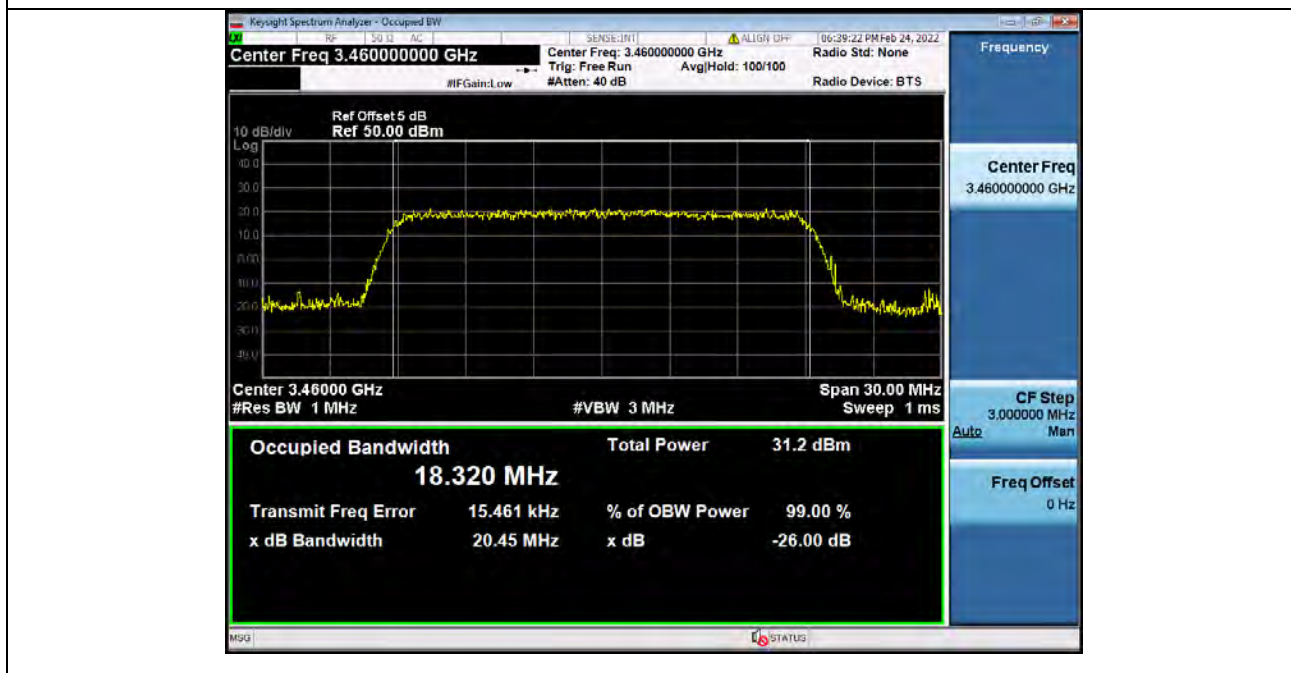
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Band42H_20MHz_QPSK_LCH_3460MHz_RB_100_0_NTNV

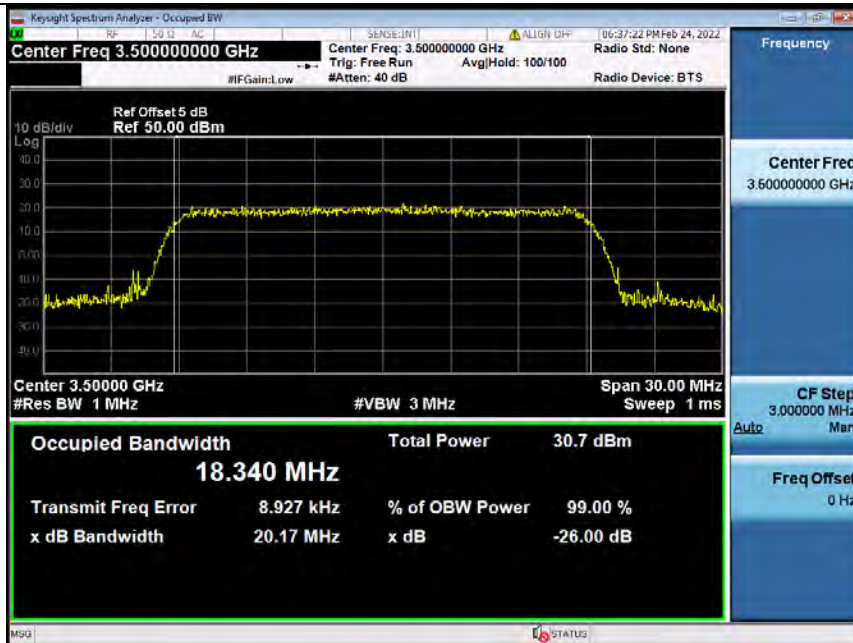


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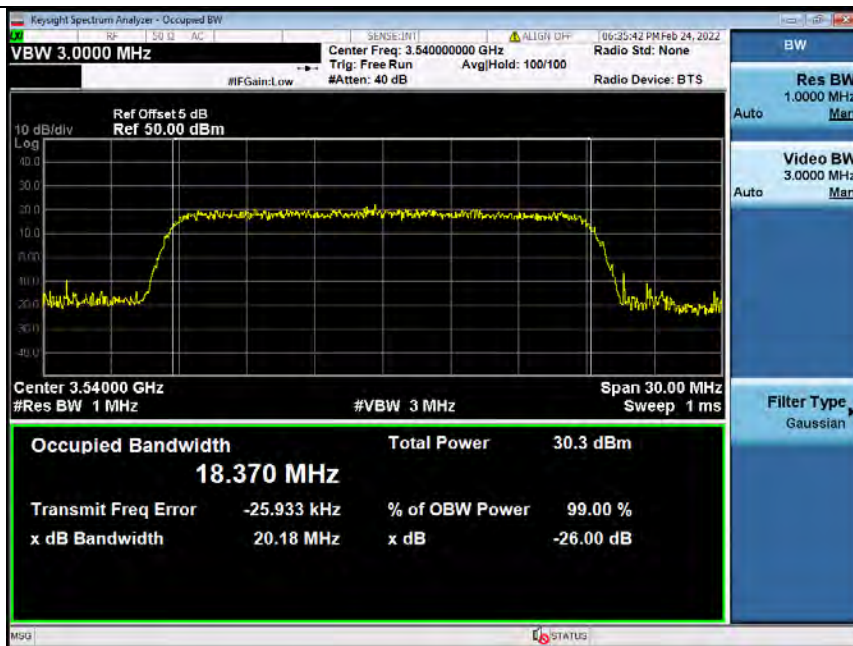


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Band42H_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV

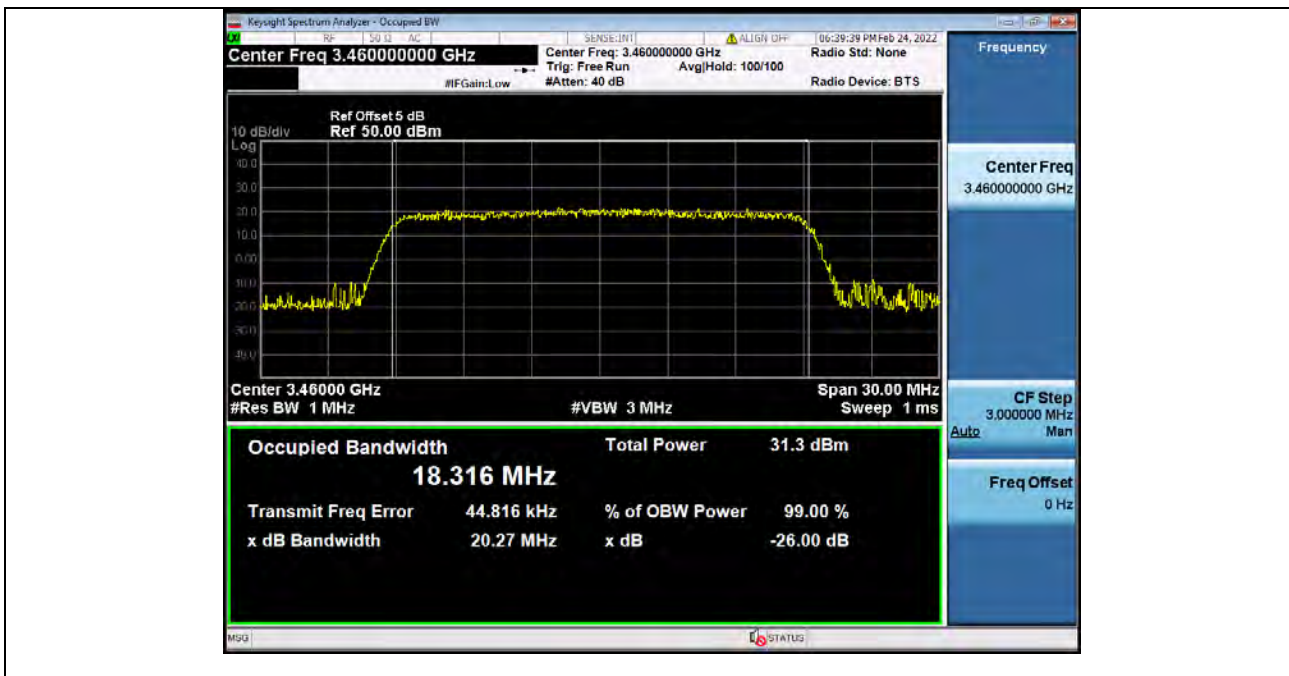


Band42H_20MHz_16QAM_LCH_3460MHz_RB_100_0_NTNV

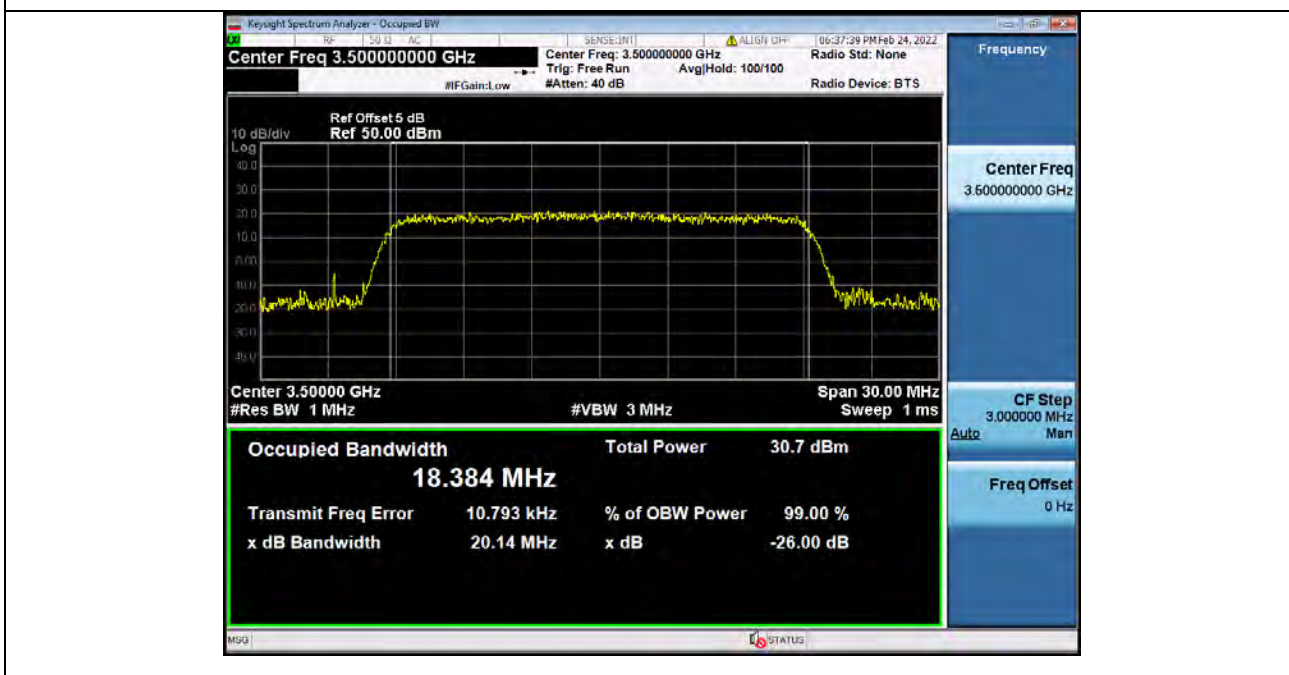


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Band42H_20MHz_16QAM_MCH_3500MHz_RB_100_0_NTNV



Band42H_20MHz_16QAM_HCH_3540MHz_RB_100_0_NTNV

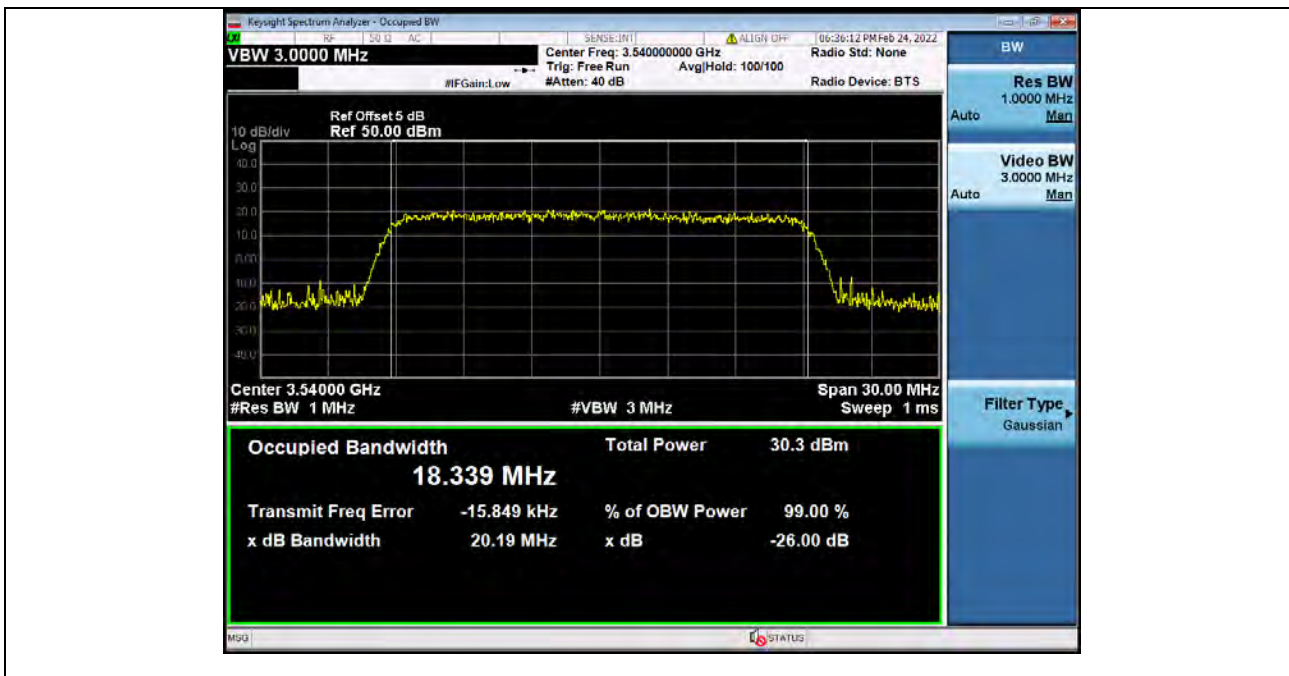


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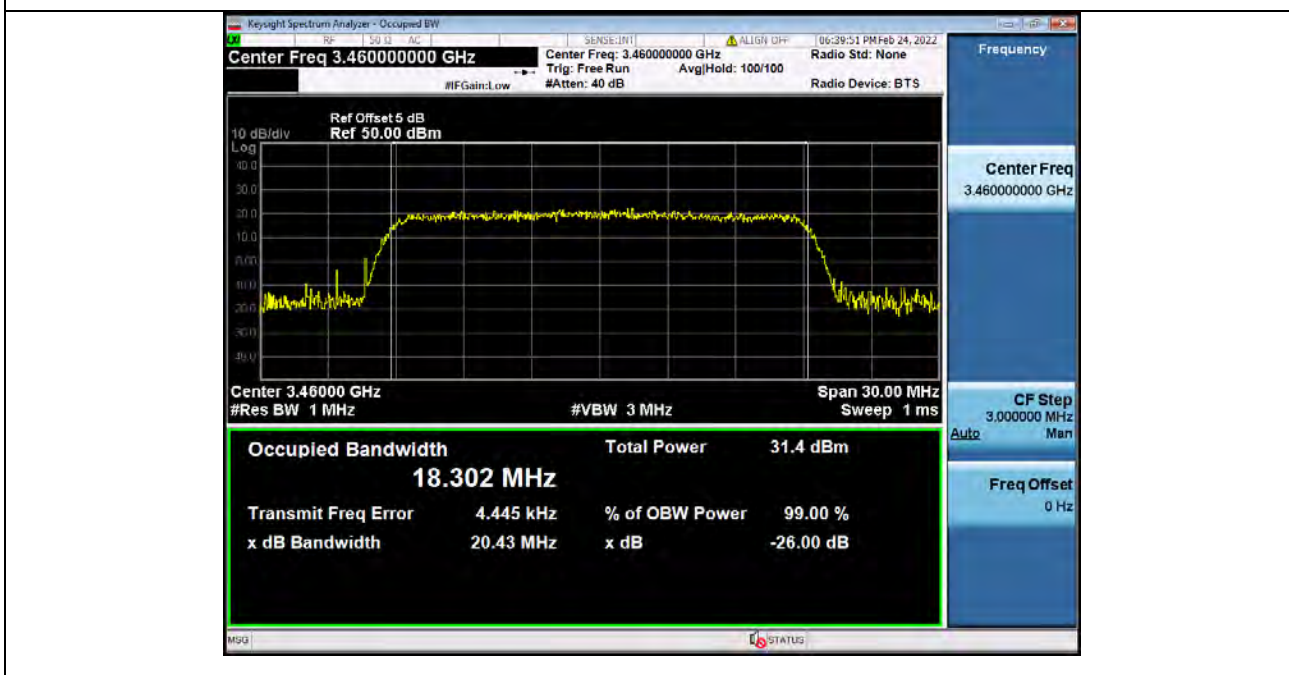
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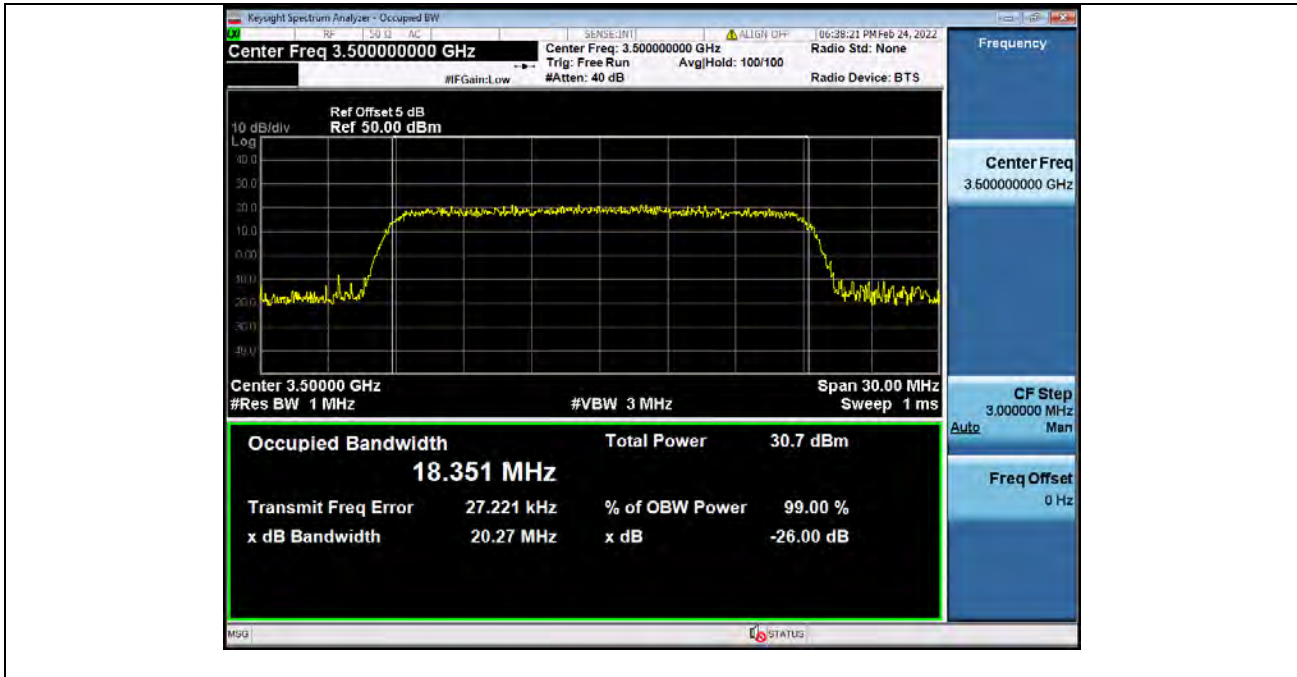
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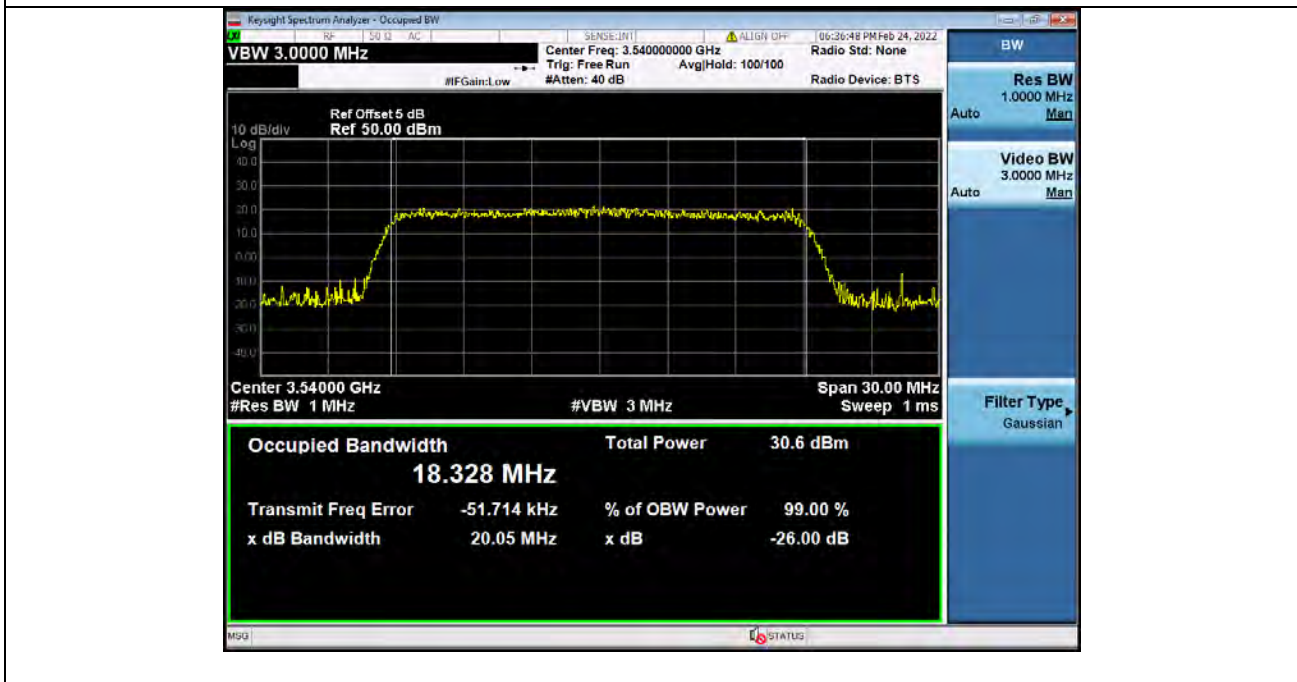
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4.2 Band48_OBW

4.2.1 Test Result

Band: 48 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	3552.5	25	0	4.587	Pass
		3625	25	0	4.580	Pass
		3697.5	25	0	4.579	Pass
	16QAM	3552.5	25	0	4.617	Pass
		3625	25	0	4.571	Pass
		3697.5	25	0	4.565	Pass
	64QAM	3552.5	25	0	4.612	Pass
		3625	25	0	4.602	Pass
		3697.5	25	0	4.577	Pass
10	QPSK	3555	50	0	9.117	Pass
		3625	50	0	9.058	Pass
		3695	50	0	9.079	Pass
	16QAM	3555	50	0	9.072	Pass
		3625	50	0	9.058	Pass
		3695	50	0	9.102	Pass
	64QAM	3555	50	0	9.074	Pass
		3625	50	0	9.049	Pass
		3695	50	0	9.055	Pass



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15	QPSK	3557.5	75	0	13.575	Pass
		3625	75	0	13.616	Pass
		3692.5	75	0	13.589	Pass
	16QAM	3557.5	75	0	13.664	Pass
		3625	75	0	13.579	Pass
		3692.5	75	0	13.582	Pass
	64QAM	3557.5	75	0	13.583	Pass
		3625	75	0	13.564	Pass
		3692.5	75	0	13.557	Pass
20	QPSK	3560	100	0	18.116	Pass
		3625	100	0	18.042	Pass
		3690	100	0	18.036	Pass
	16QAM	3560	100	0	18.039	Pass
		3625	100	0	18.145	Pass
		3690	100	0	18.046	Pass
	64QAM	3560	100	0	18.054	Pass
		3625	100	0	18.083	Pass
		3690	100	0	18.052	Pass

4.1.2 Test Graph

Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV



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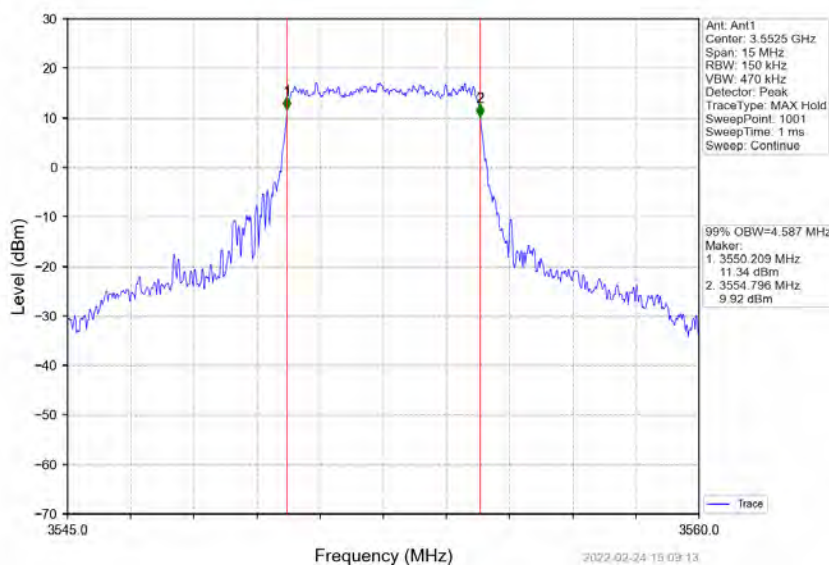
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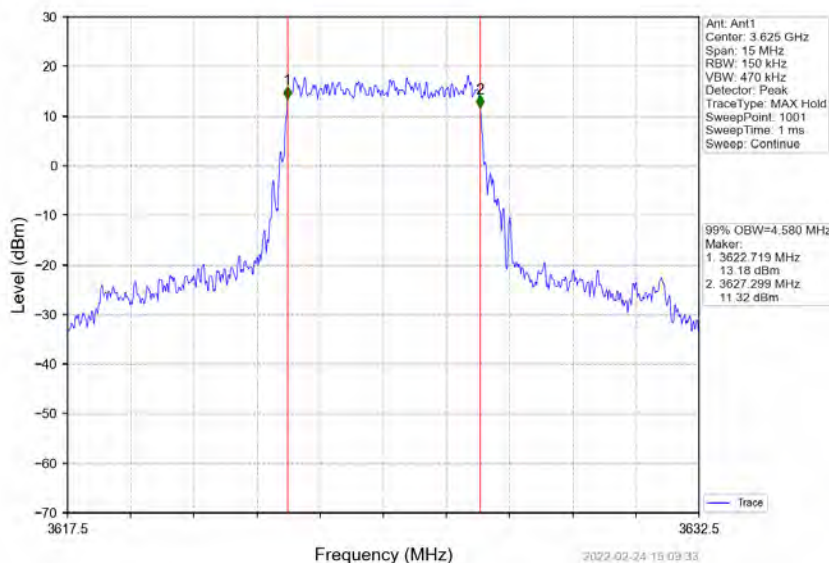
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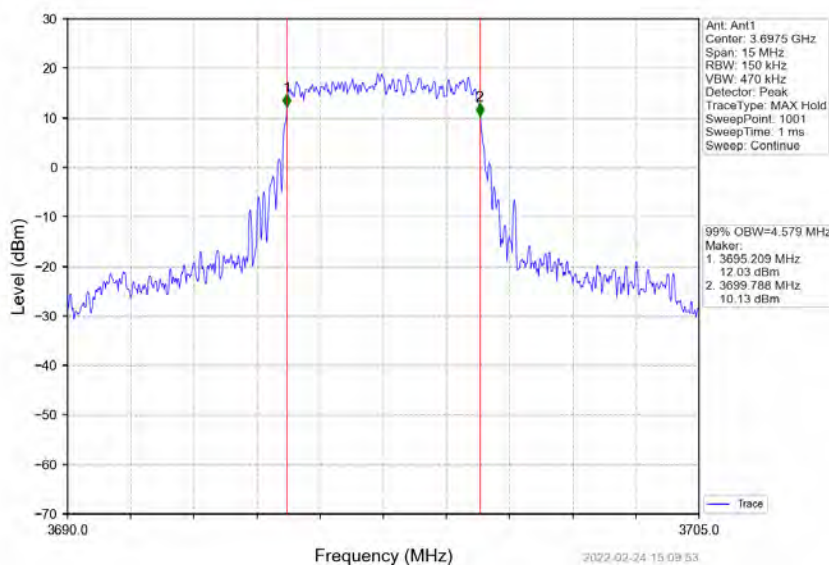
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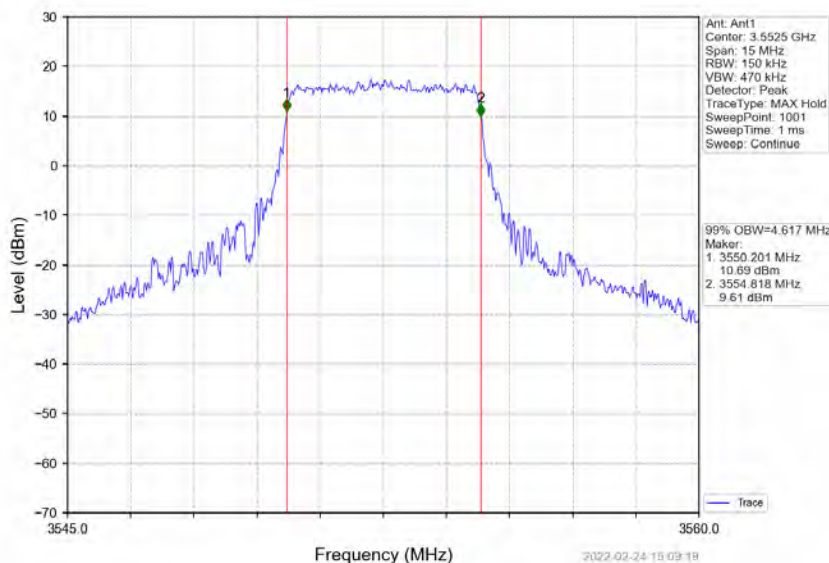
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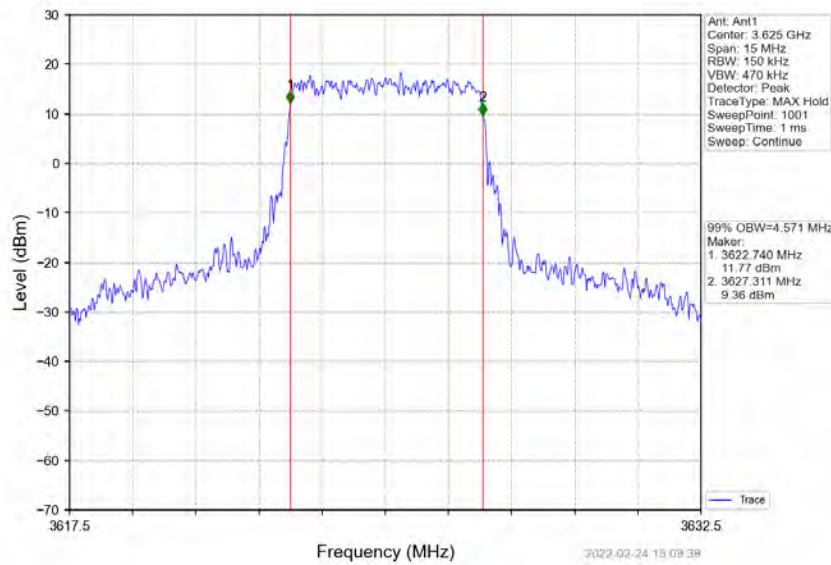


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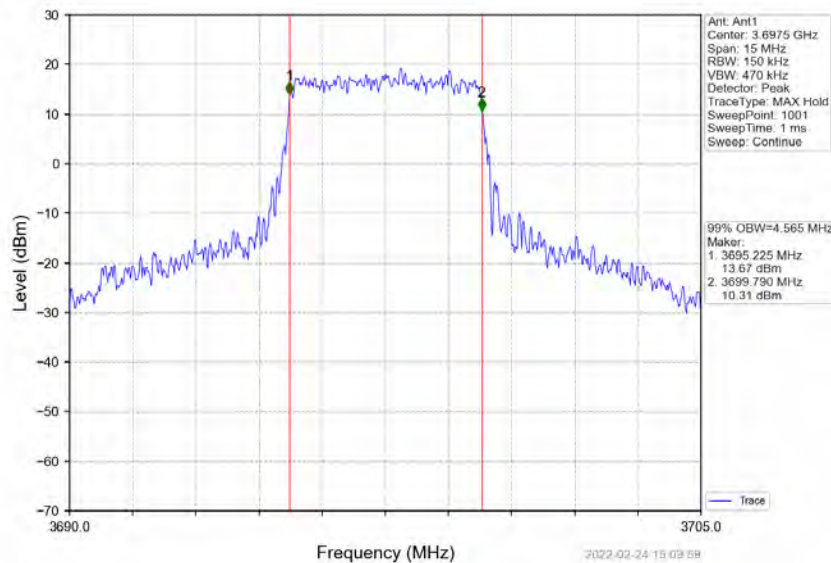


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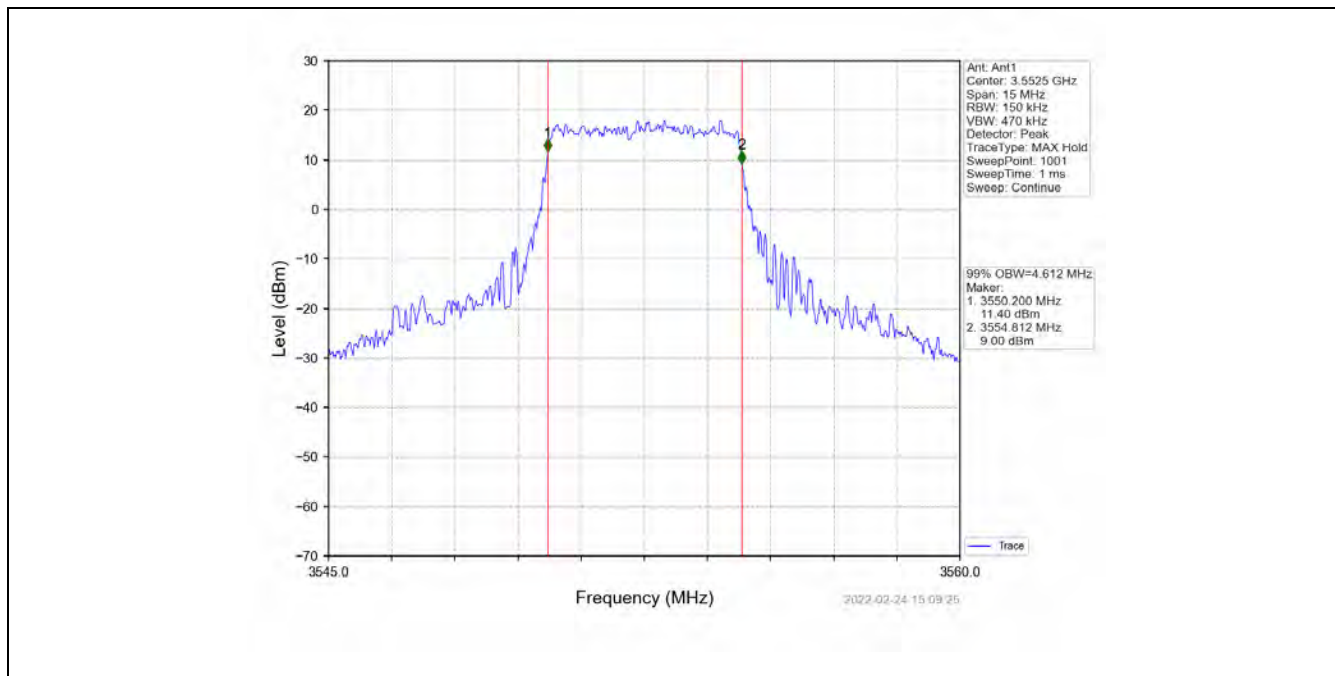


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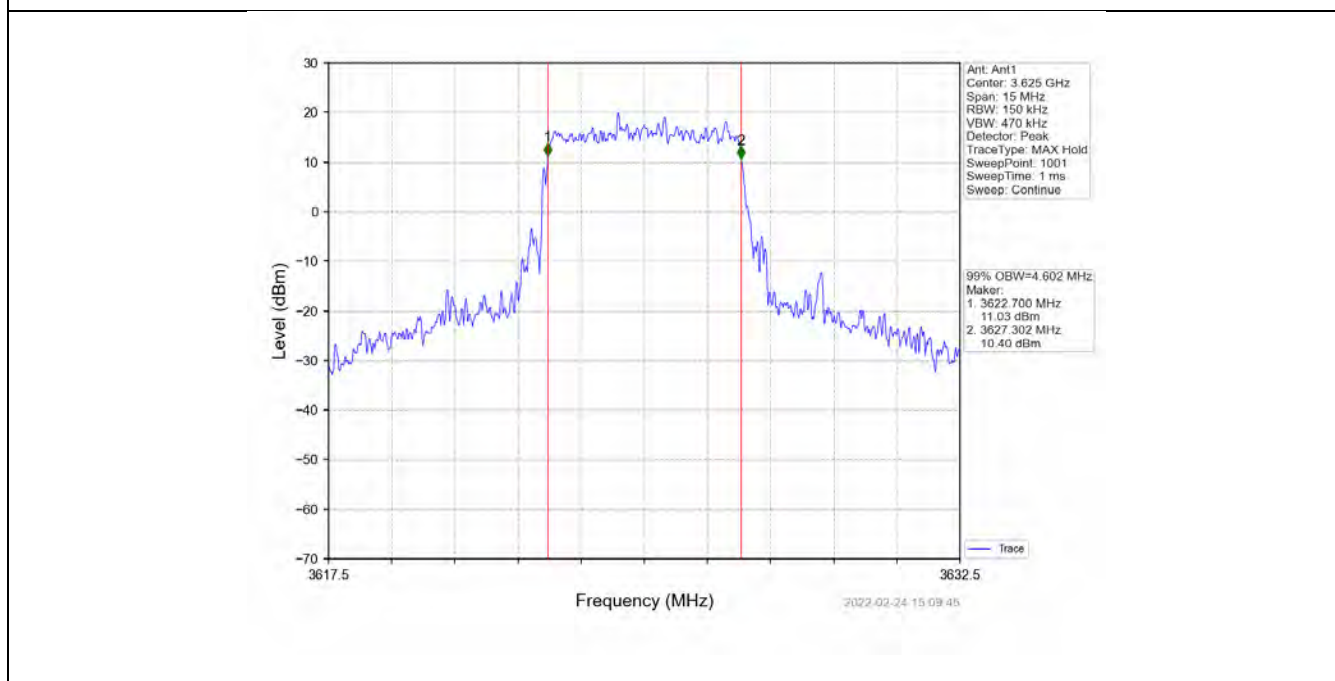
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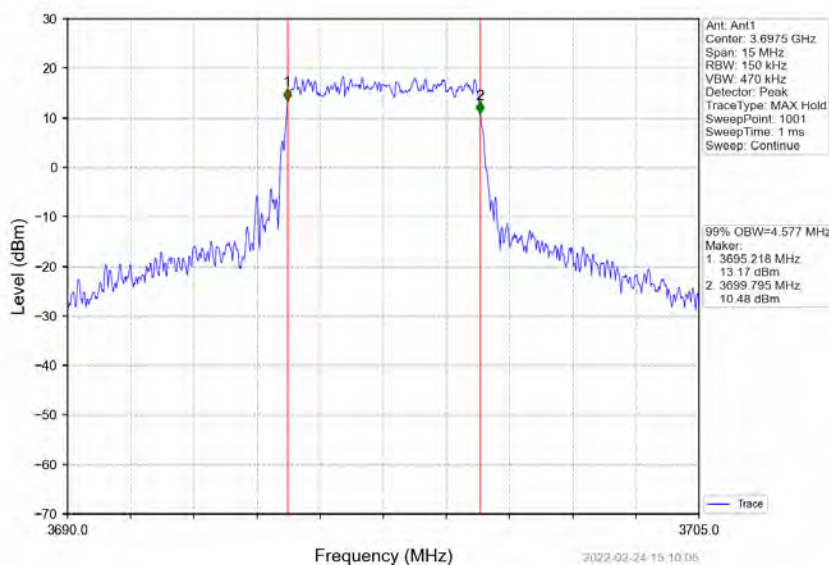


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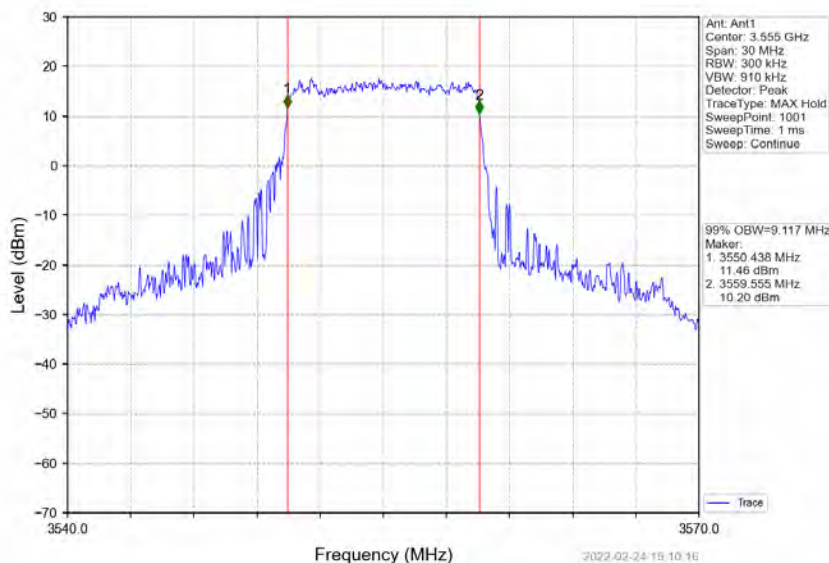
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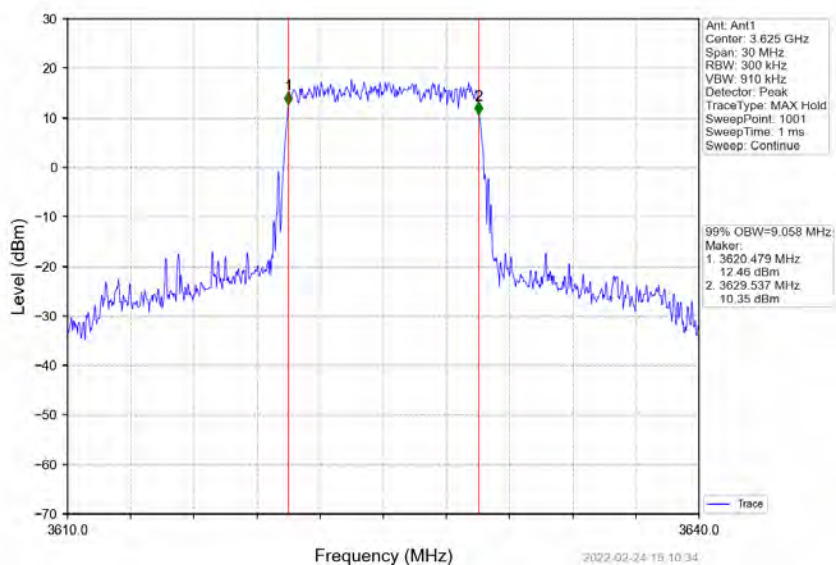
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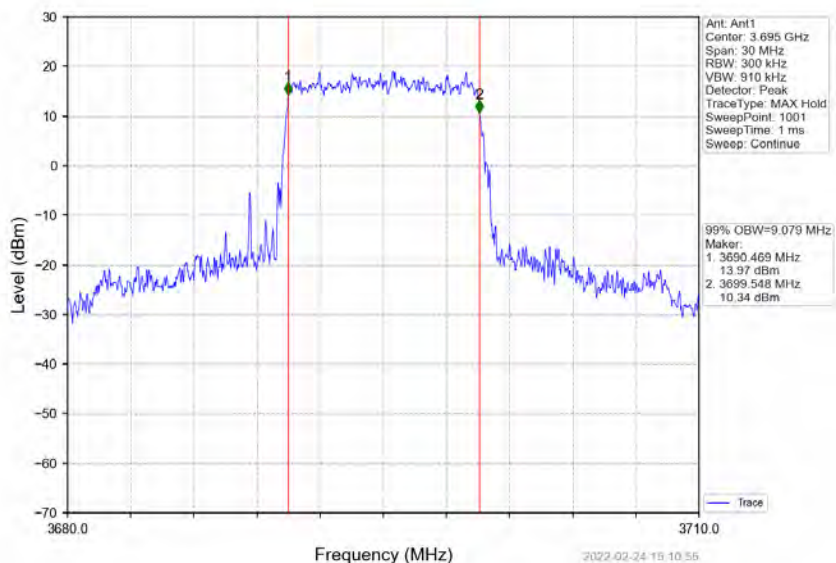
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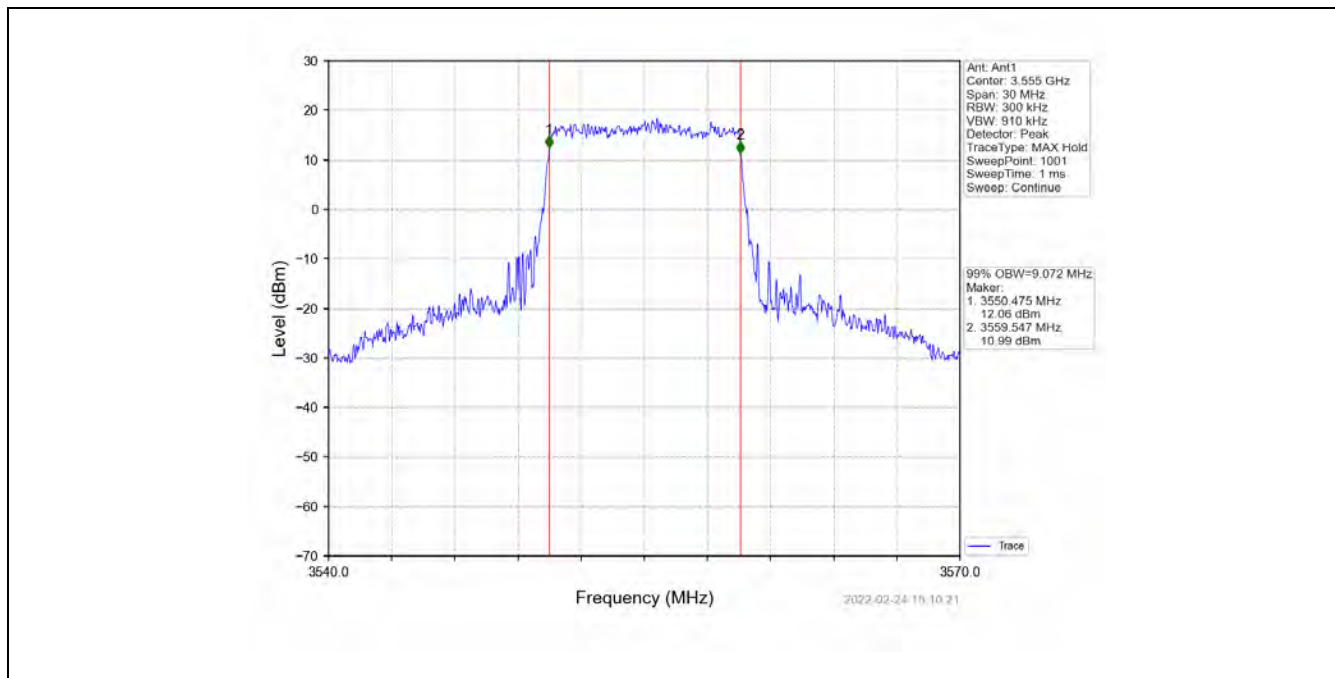


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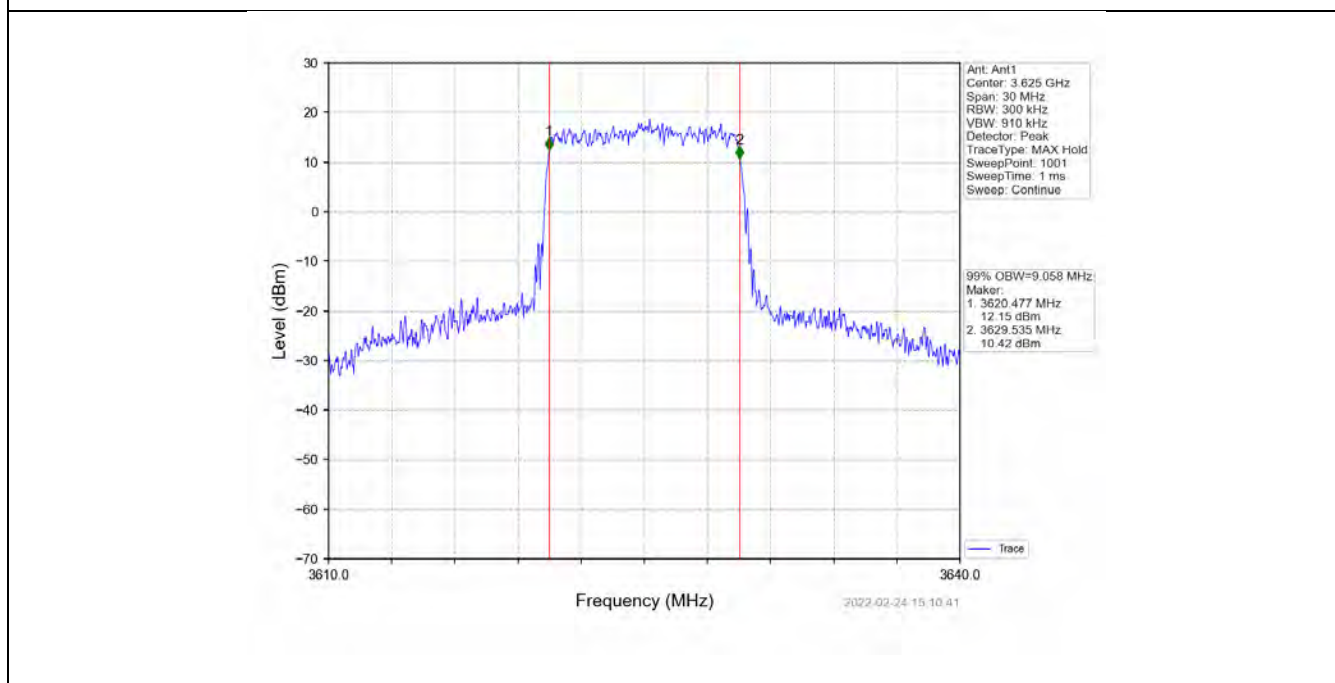
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Band48_10MHz_16QAM_MCH_3625MHz_RB_50_0_NTNV



Band48_10MHz_16QAM_HCH_3695MHz_RB_50_0_NTNV

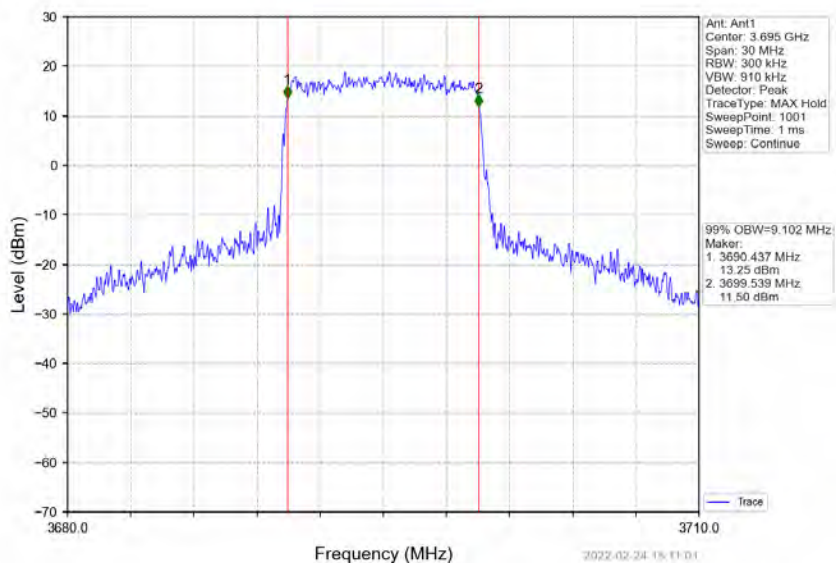


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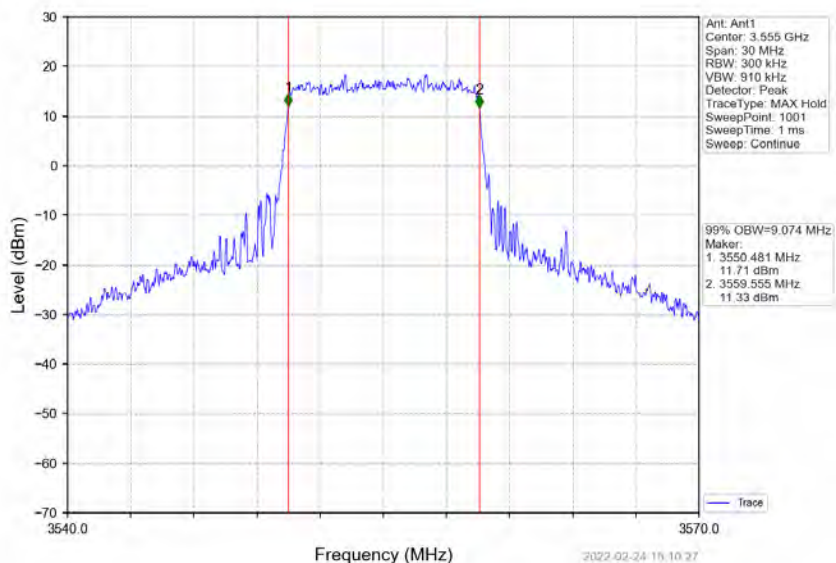
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Band48_10MHz_64QAM_LCH_3555MHz_RB_50_0_NTNV

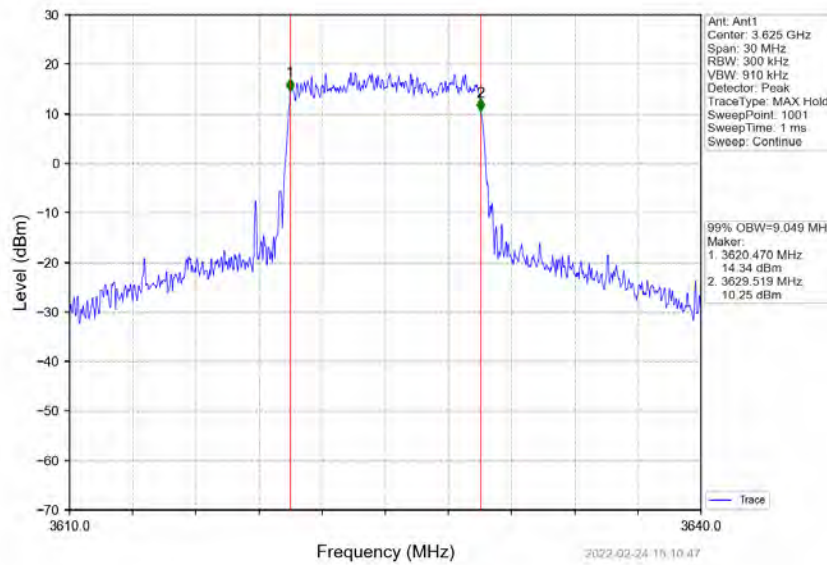


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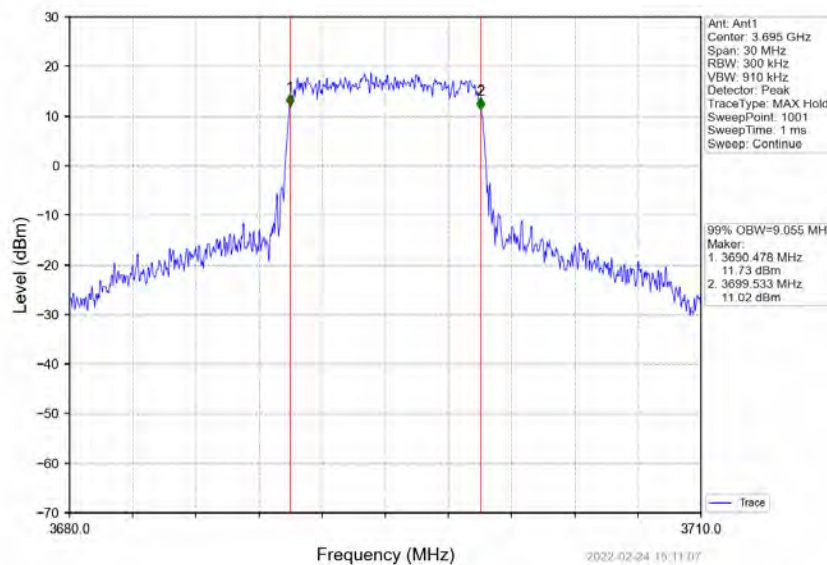


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Band48_10MHz_64QAM_HCH_3695MHz_RB_50_0_NTNV

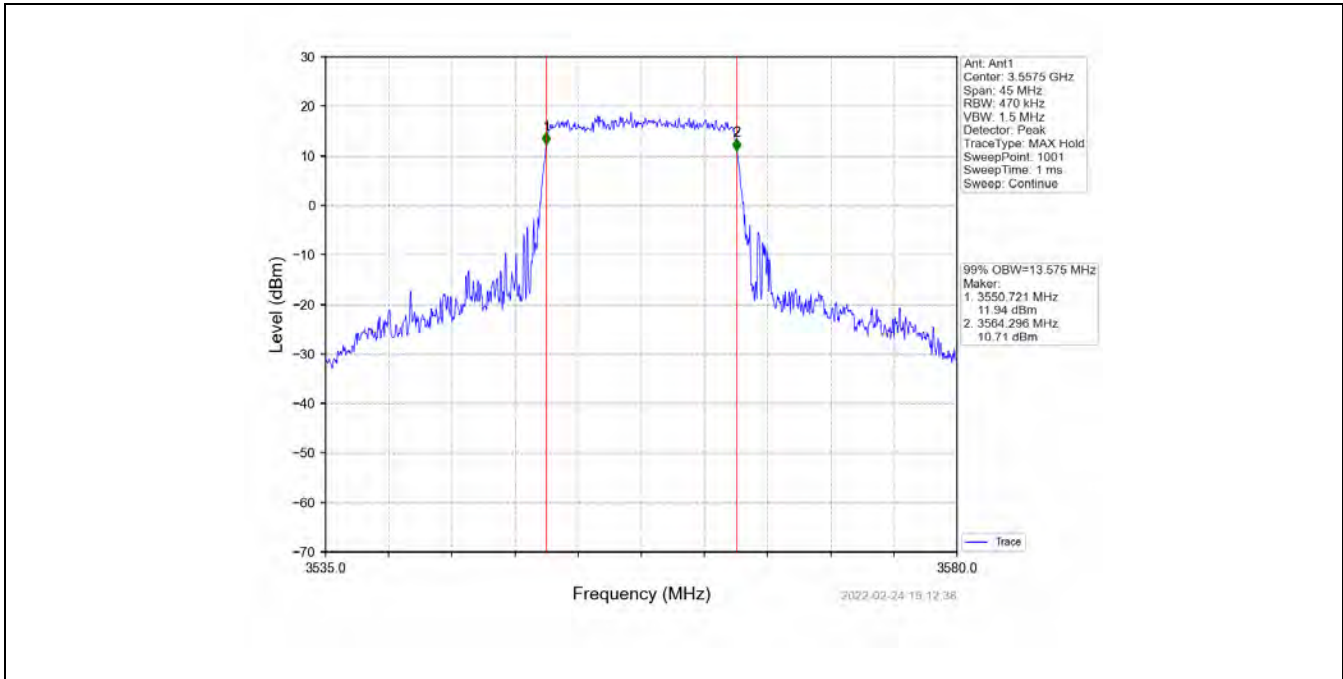


Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV

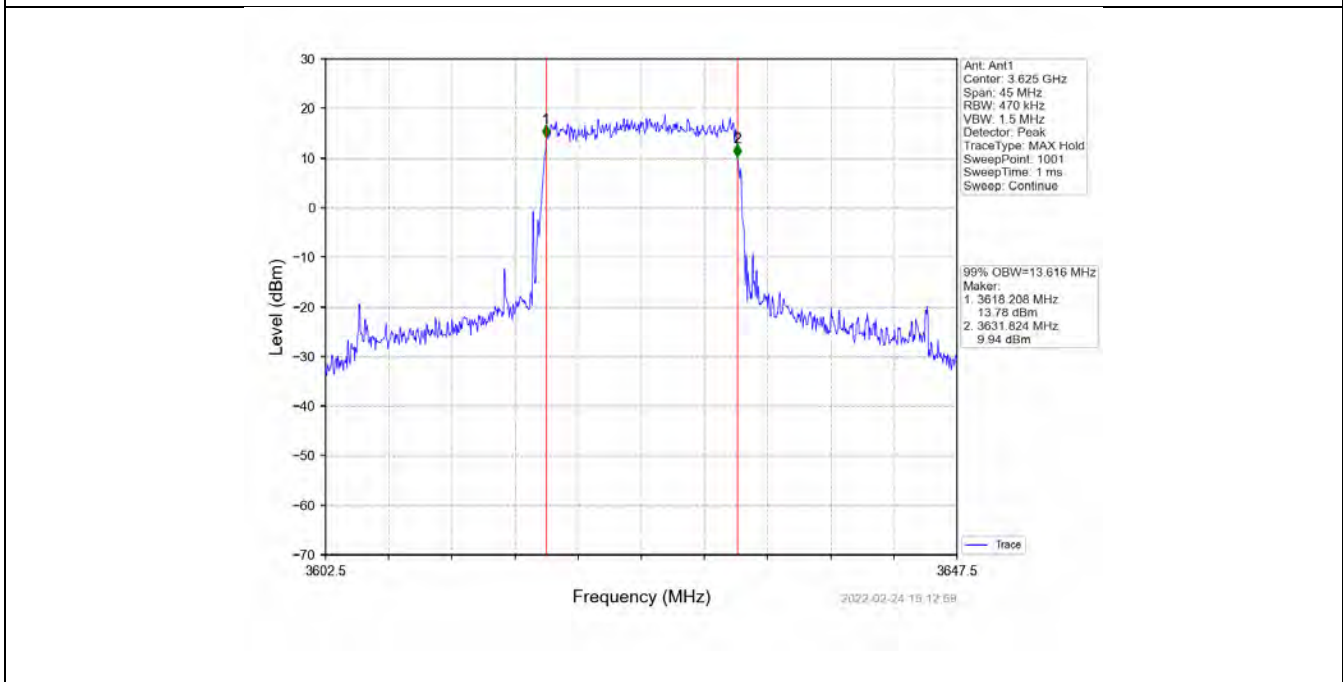


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Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV



Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV

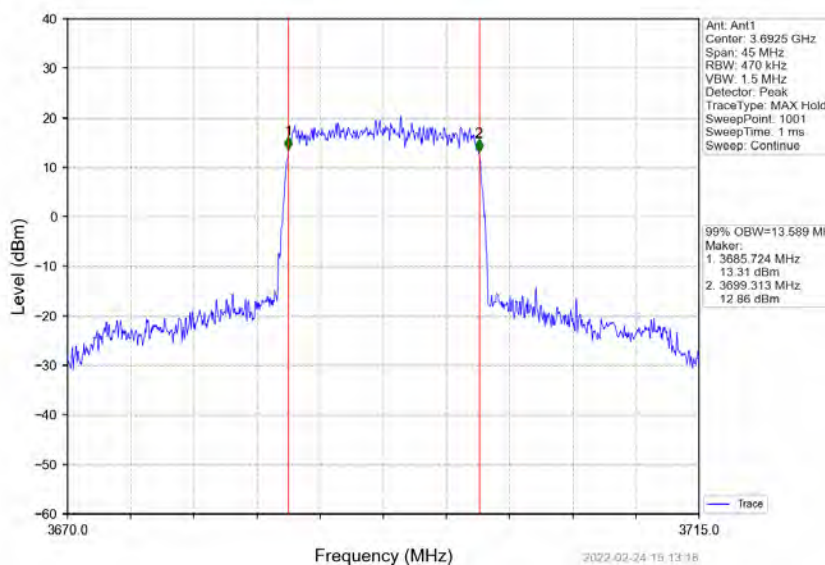


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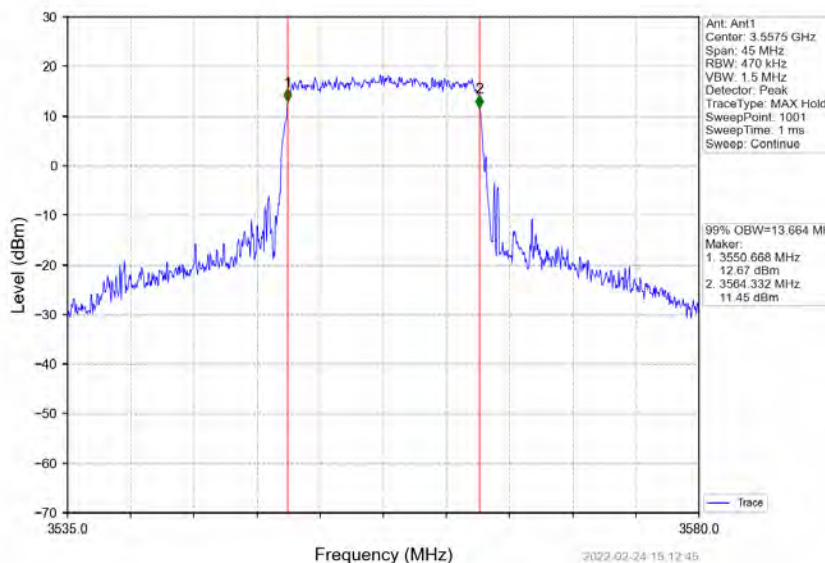
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Band48_15MHz_16QAM_LCH_3575.5MHz_RB_75_0_NTNV

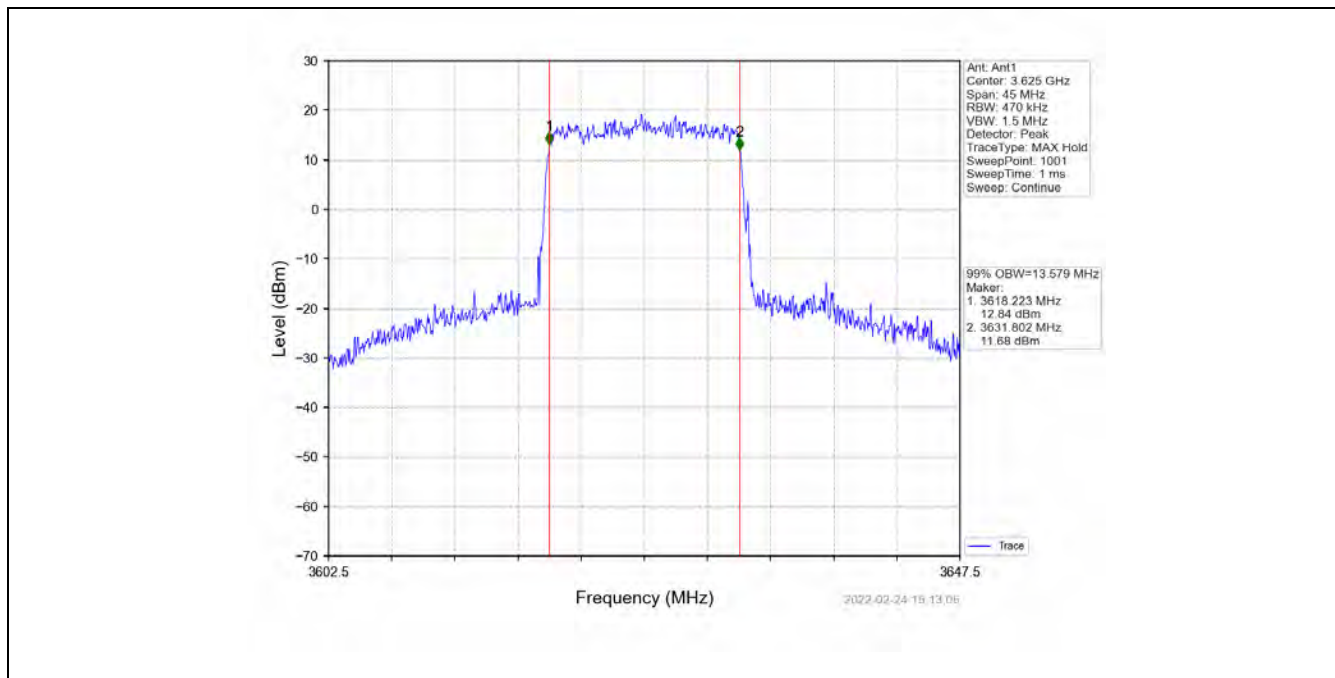


Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV

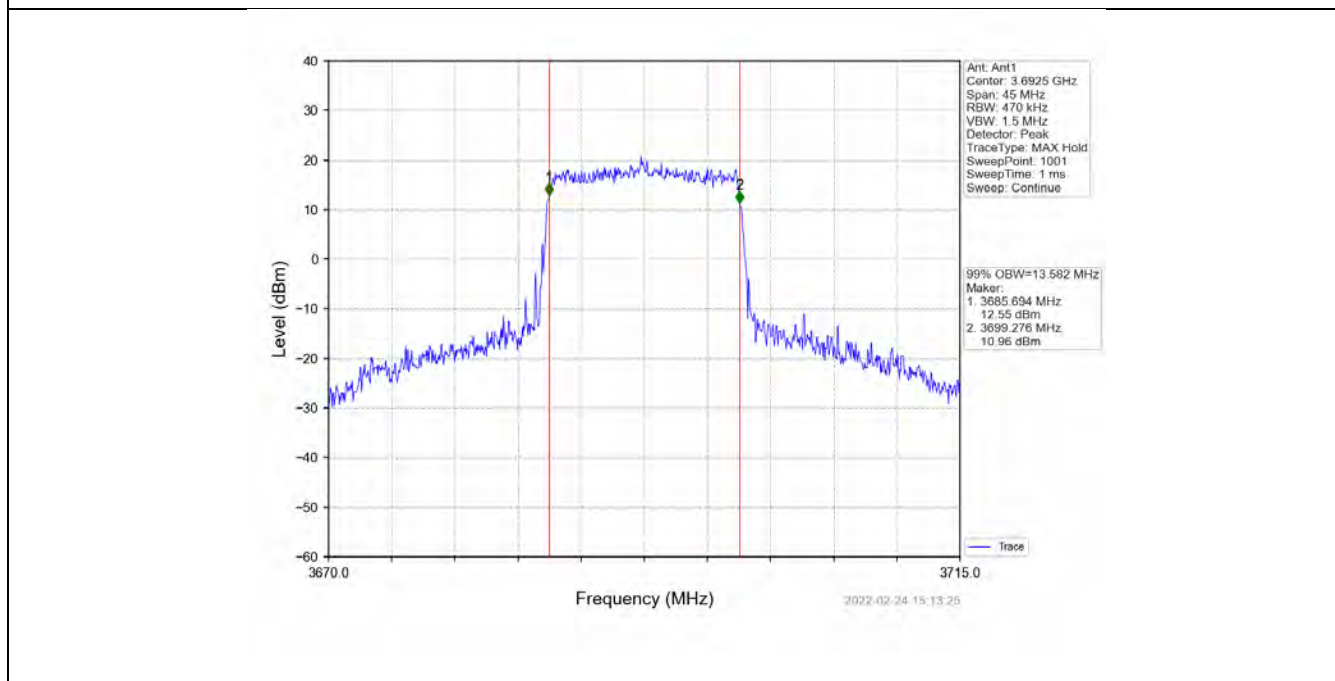


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Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV



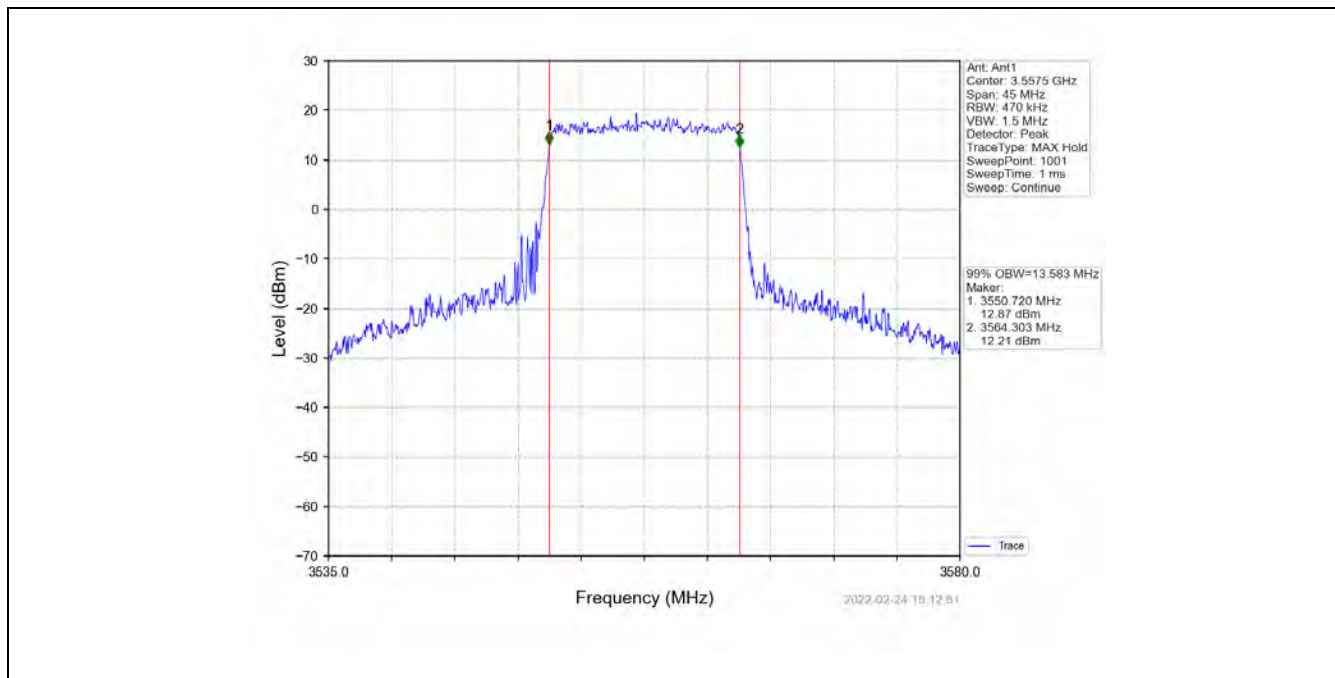
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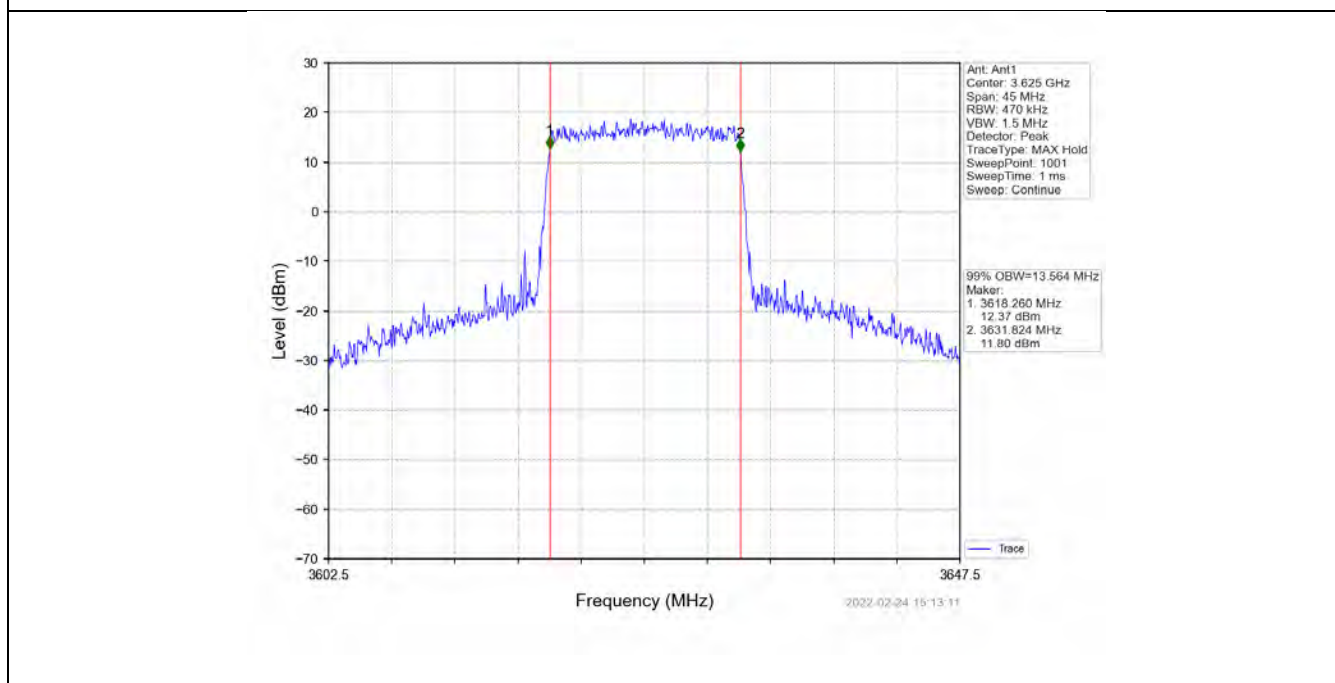
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Band48_15MHz_64QAM_MCH_3625MHz_RB_75_0_NTNV



Band48_15MHz_64QAM_HCH_3692.5MHz_RB_75_0_NTNV

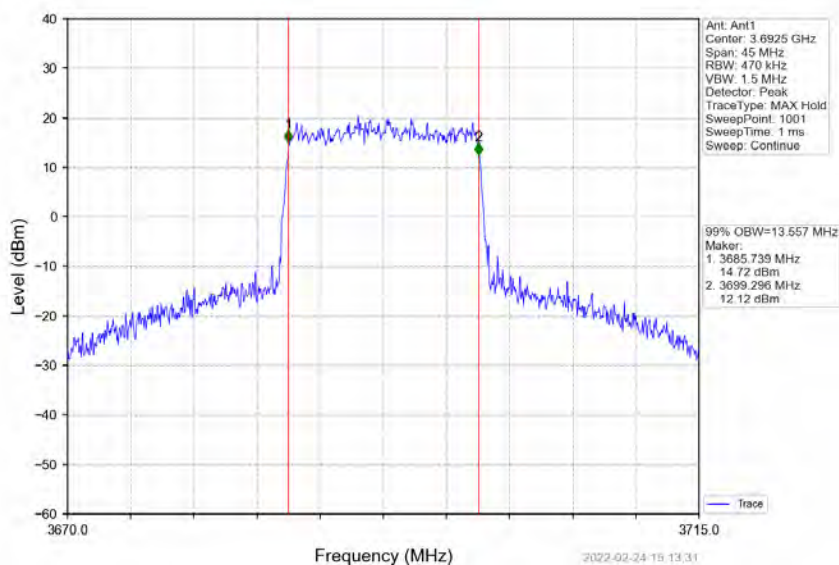


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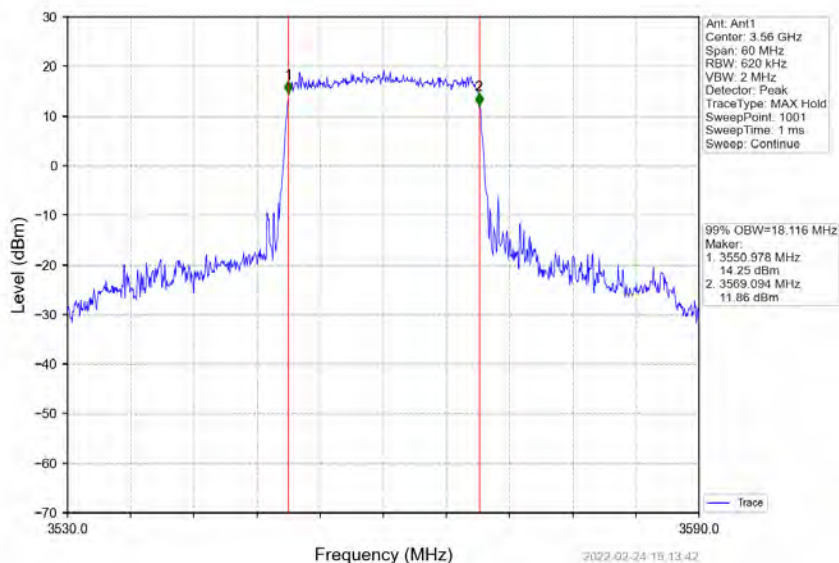
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Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV



Band48_20MHz_QPSK_MCH_3625MHz_RB_100_0_NTNV

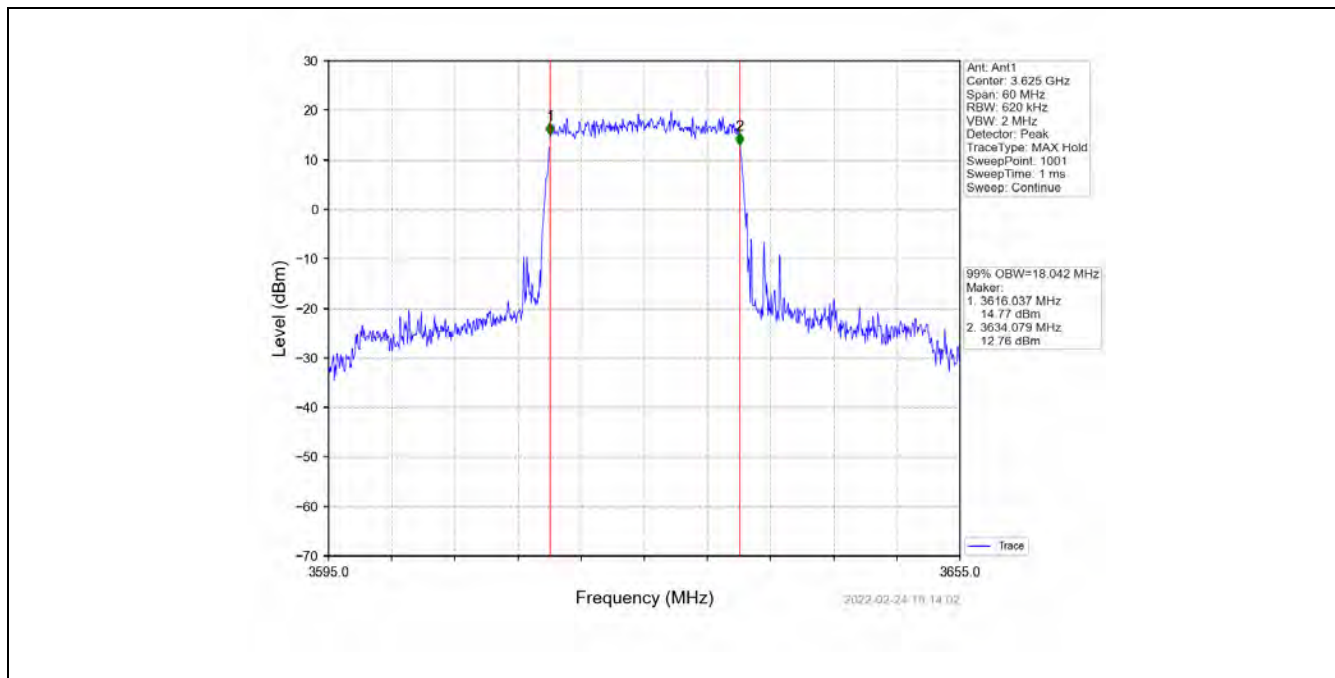


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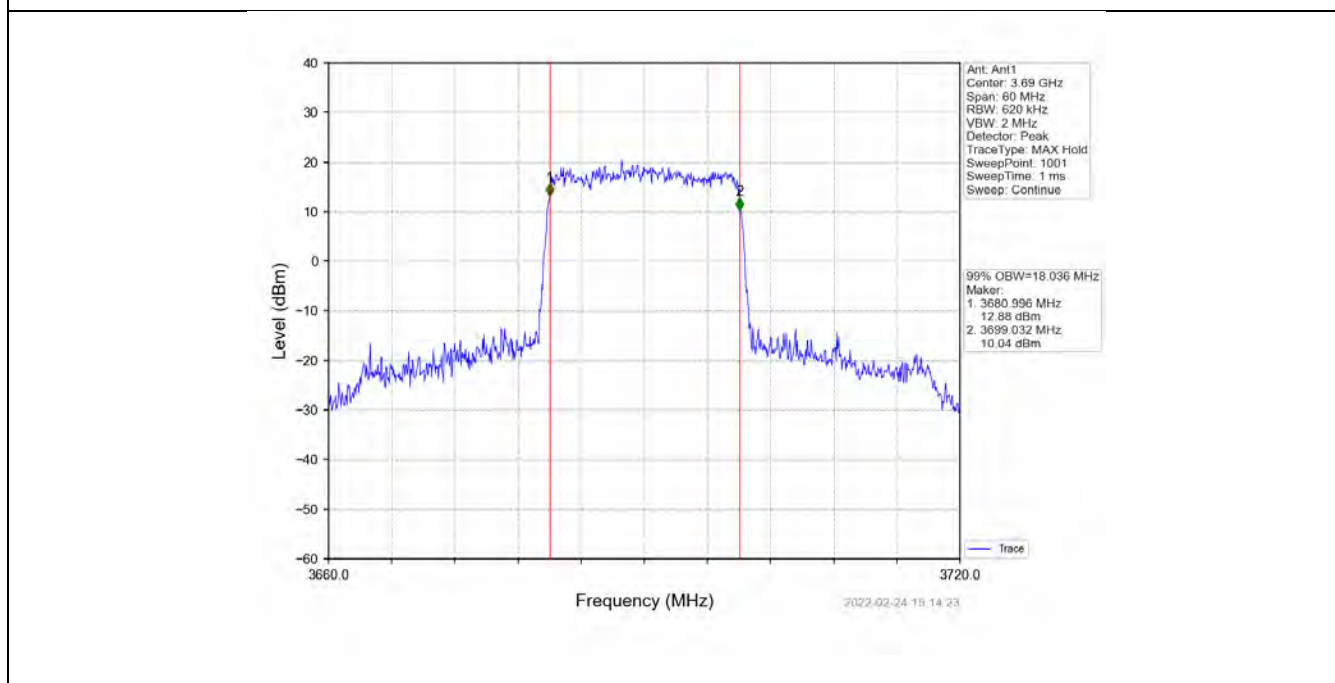
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Band48_20MHz_16QAM_LCH_3560MHz_RB_100_0_NTNV

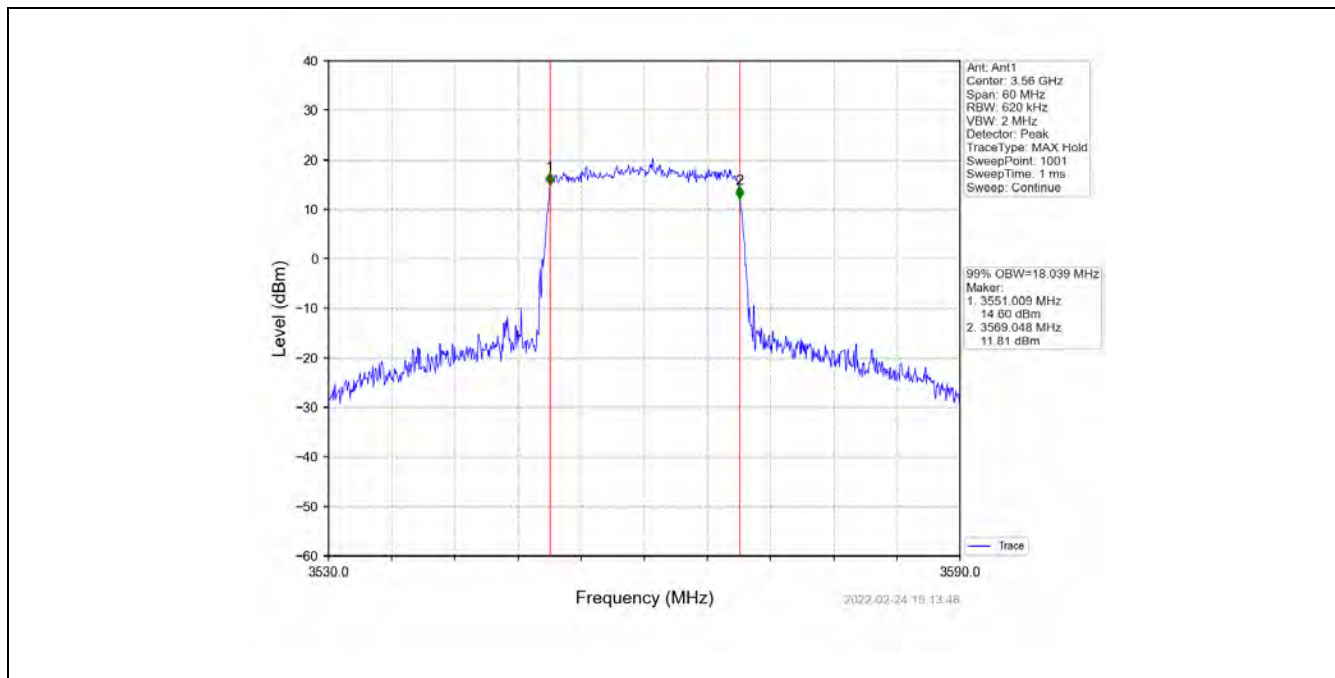


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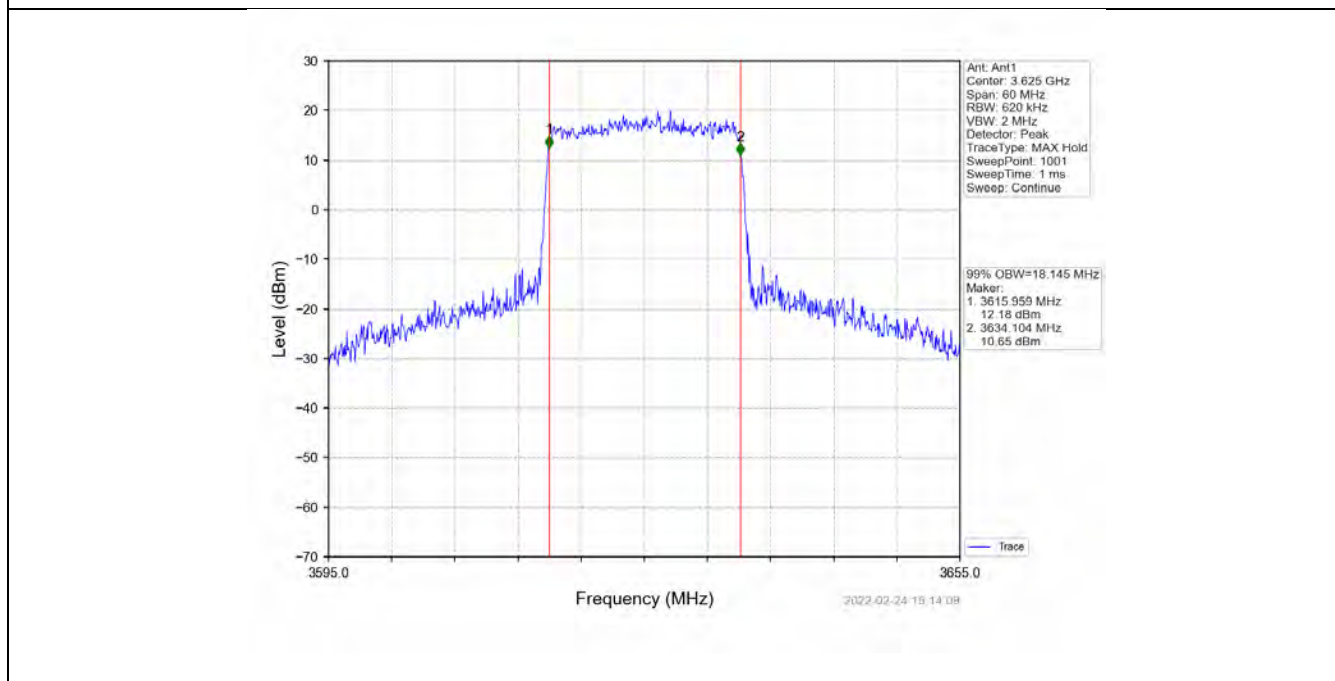
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Band48_20MHz_16QAM_MCH_3625MHz_RB_100_0_NTNV



Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV

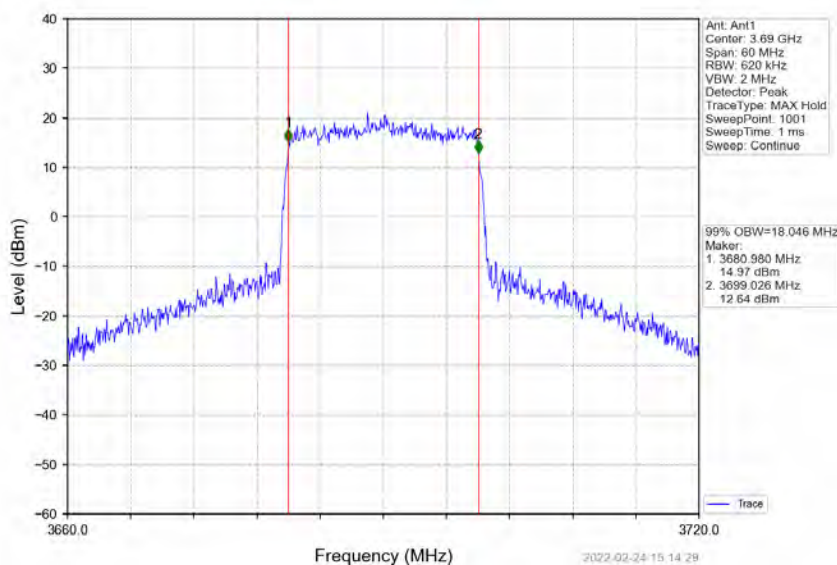


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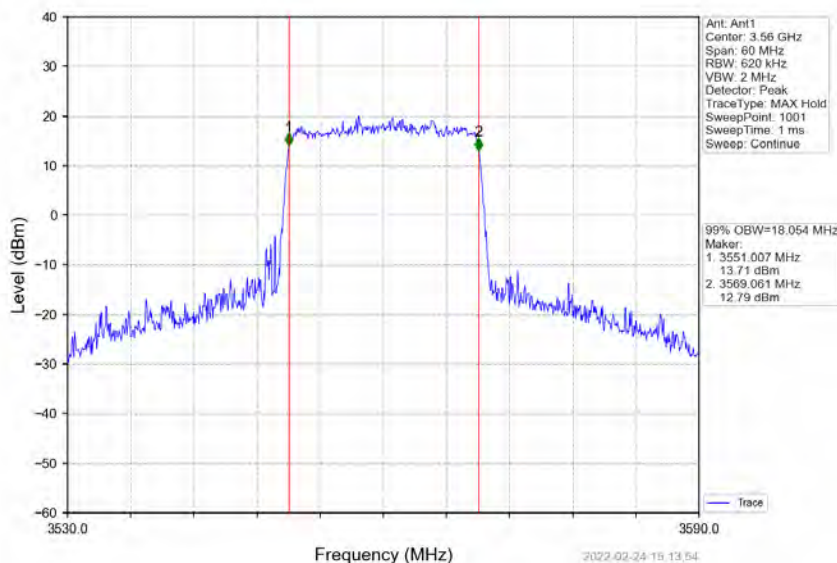
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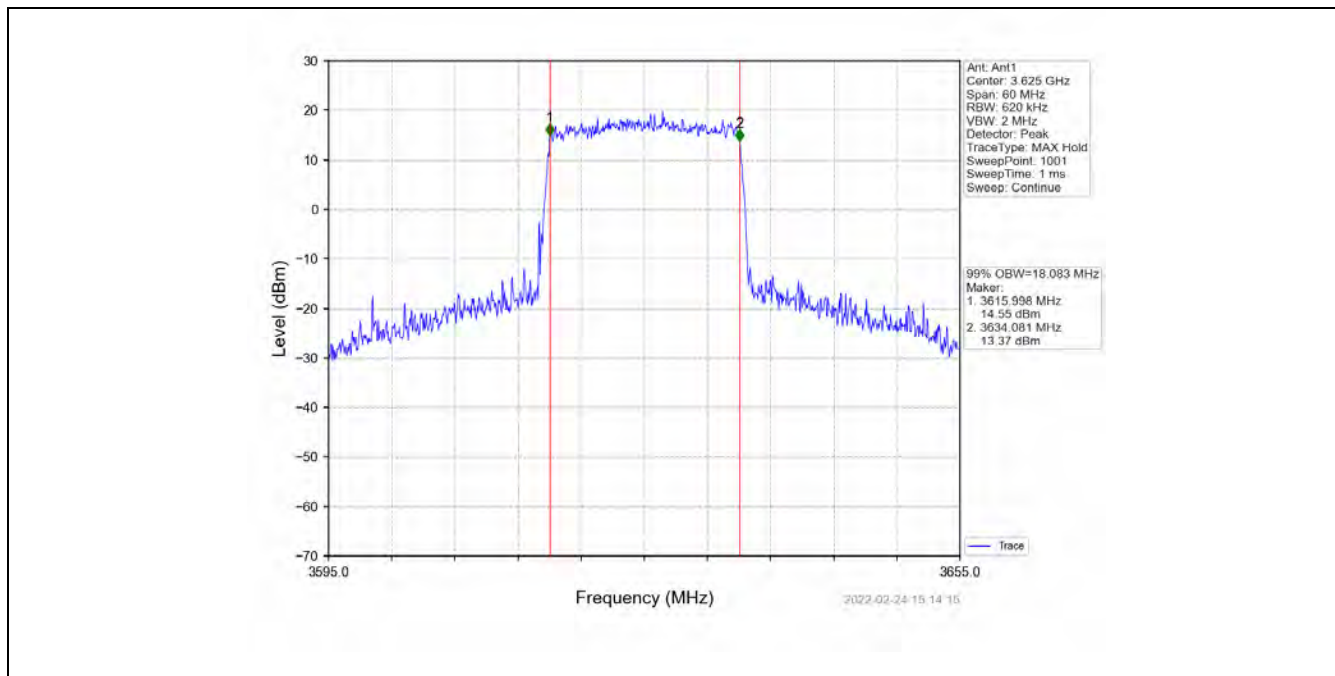


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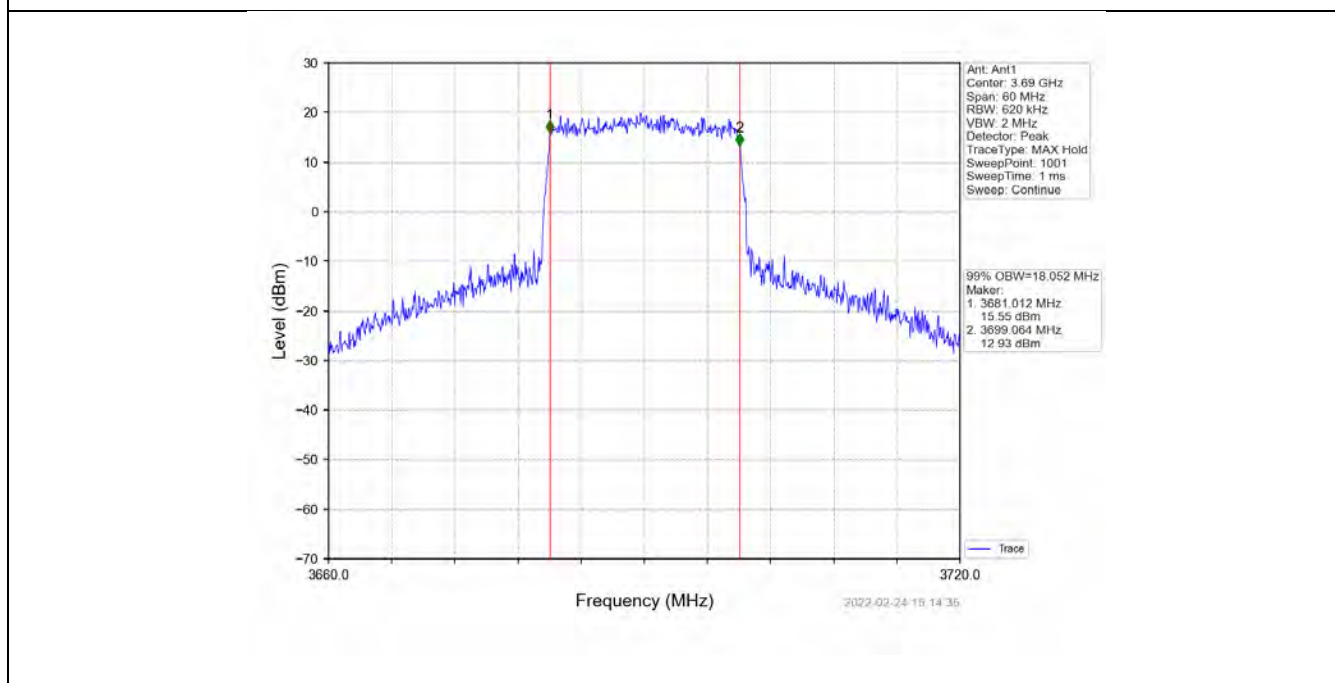
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Band48_20MHz_64QAM_HCH_3690MHz_RB_100_0_NTNV



4.2 Band48_XDB

4.2.1 Test Result



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Band: 48 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	3552.5	25	0	5.719	Pass
		3625	25	0	5.396	Pass
		3697.5	25	0	6.112	Pass
	16QAM	3552.5	25	0	5.844	Pass
		3625	25	0	5.416	Pass
		3697.5	25	0	5.394	Pass
	64QAM	3552.5	25	0	6.174	Pass
		3625	25	0	5.524	Pass
		3697.5	25	0	5.718	Pass
10	QPSK	3555	50	0	12.159	Pass
		3625	50	0	10.176	Pass
		3695	50	0	11.466	Pass
	16QAM	3555	50	0	10.622	Pass
		3625	50	0	10.122	Pass
		3695	50	0	9.915	Pass
	64QAM	3555	50	0	11.304	Pass
		3625	50	0	11.088	Pass
		3695	50	0	10.199	Pass
15	QPSK	3557.5	75	0	16.817	Pass
		3625	75	0	15.134	Pass
		3692.5	75	0	14.647	Pass



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	16QAM	3557.5	75	0	16.464	Pass
		3625	75	0	14.761	Pass
		3692.5	75	0	15.273	Pass
	64QAM	3557.5	75	0	16.242	Pass
		3625	75	0	14.864	Pass
		3692.5	75	0	14.605	Pass
20	QPSK	3560	100	0	20.745	Pass
		3625	100	0	19.879	Pass
		3690	100	0	19.524	Pass
	16QAM	3560	100	0	19.780	Pass
		3625	100	0	19.501	Pass
		3690	100	0	19.424	Pass
	64QAM	3560	100	0	20.524	Pass
		3625	100	0	19.762	Pass
		3690	100	0	19.406	Pass

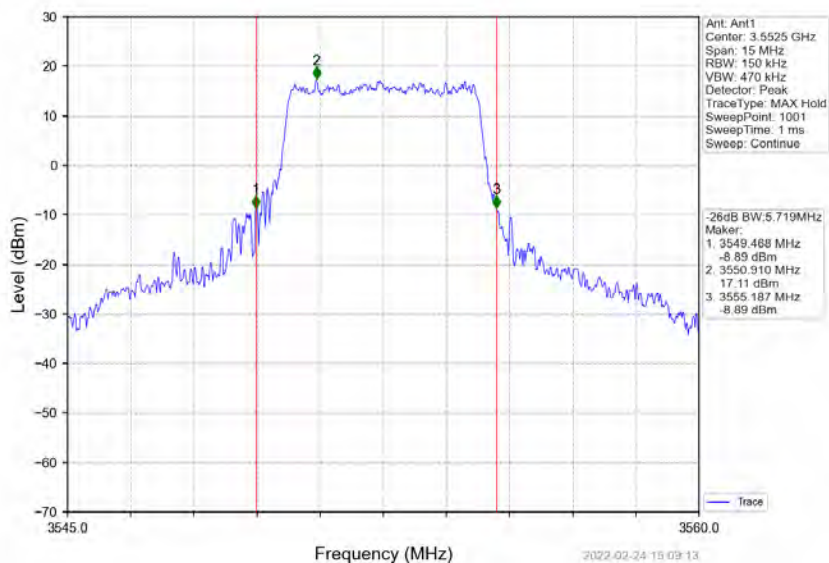
4.2.2 Test Graph

Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV

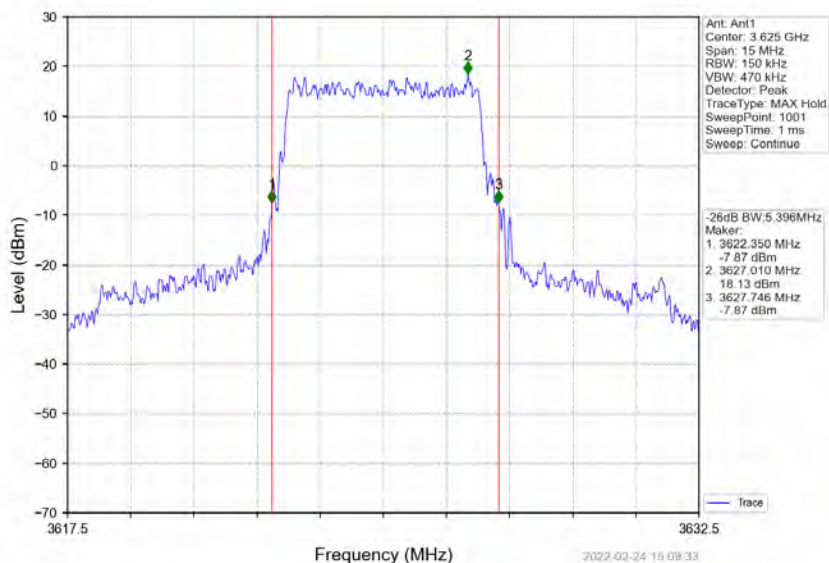


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Band48_5MHz_QPSK_MCH_3625MHz_RB_25_0_NTNV

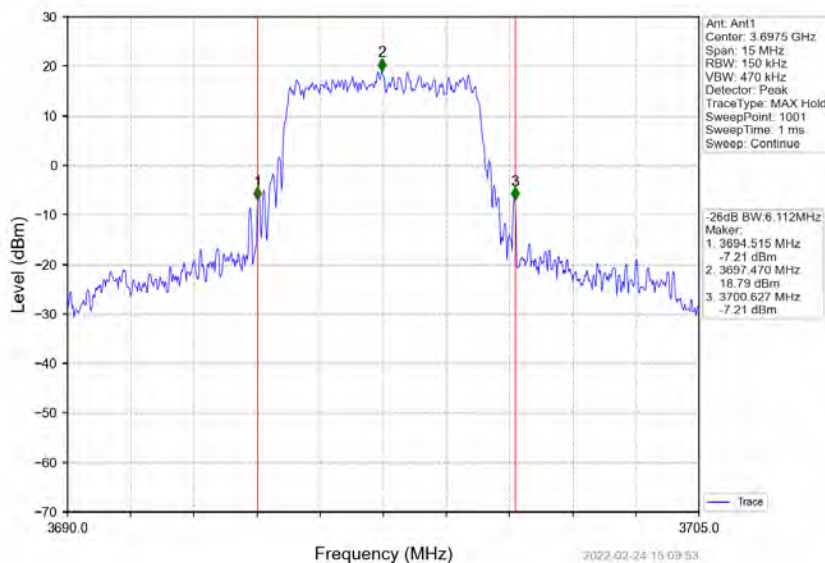


Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV

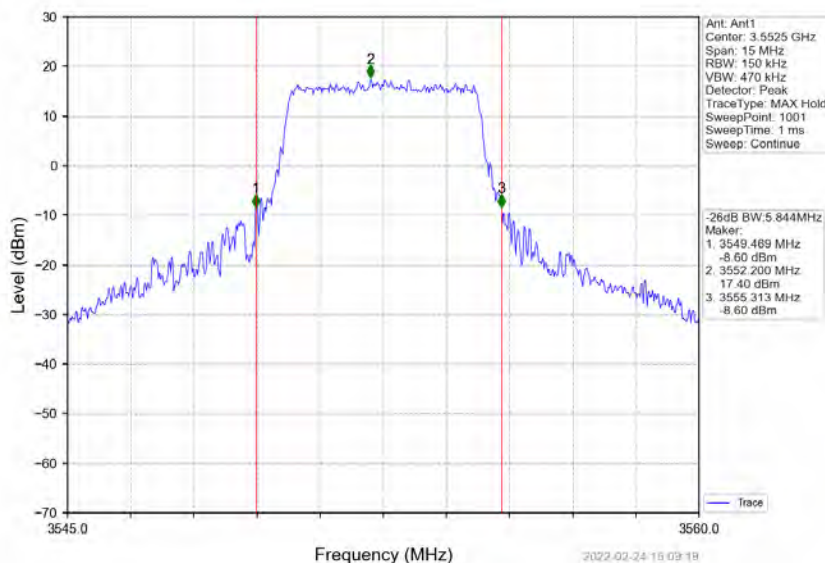


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Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV

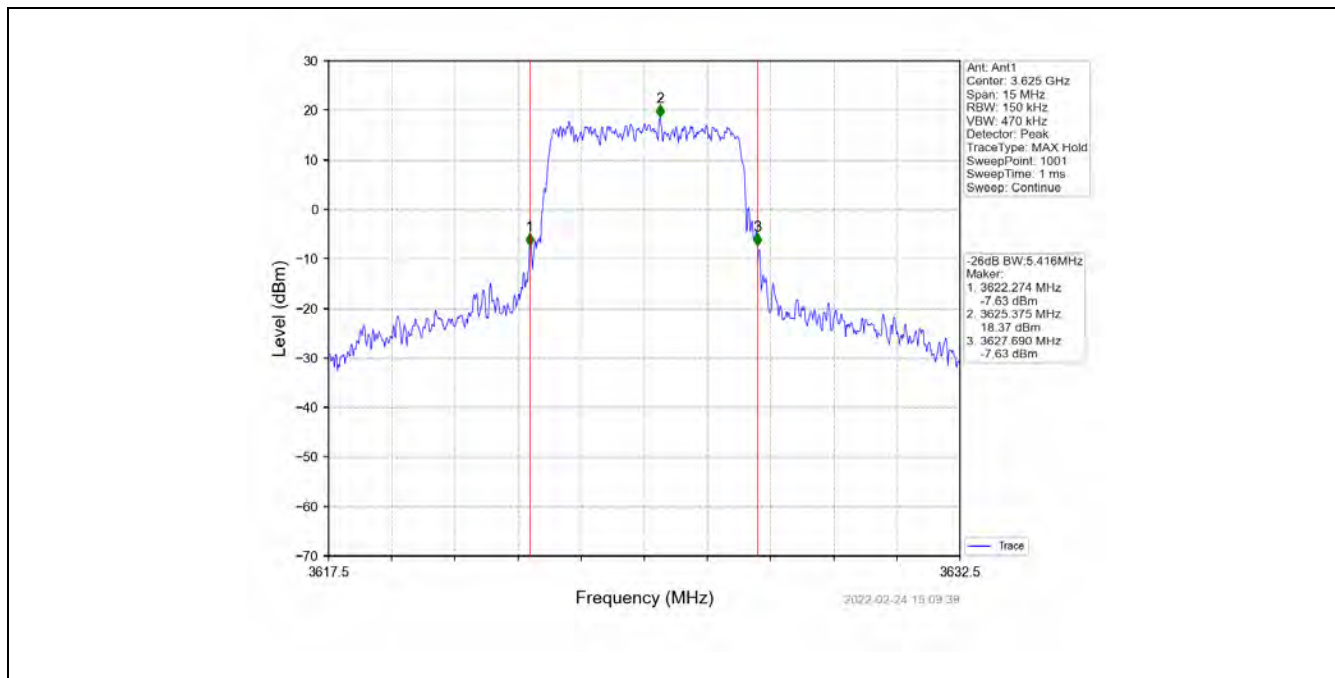


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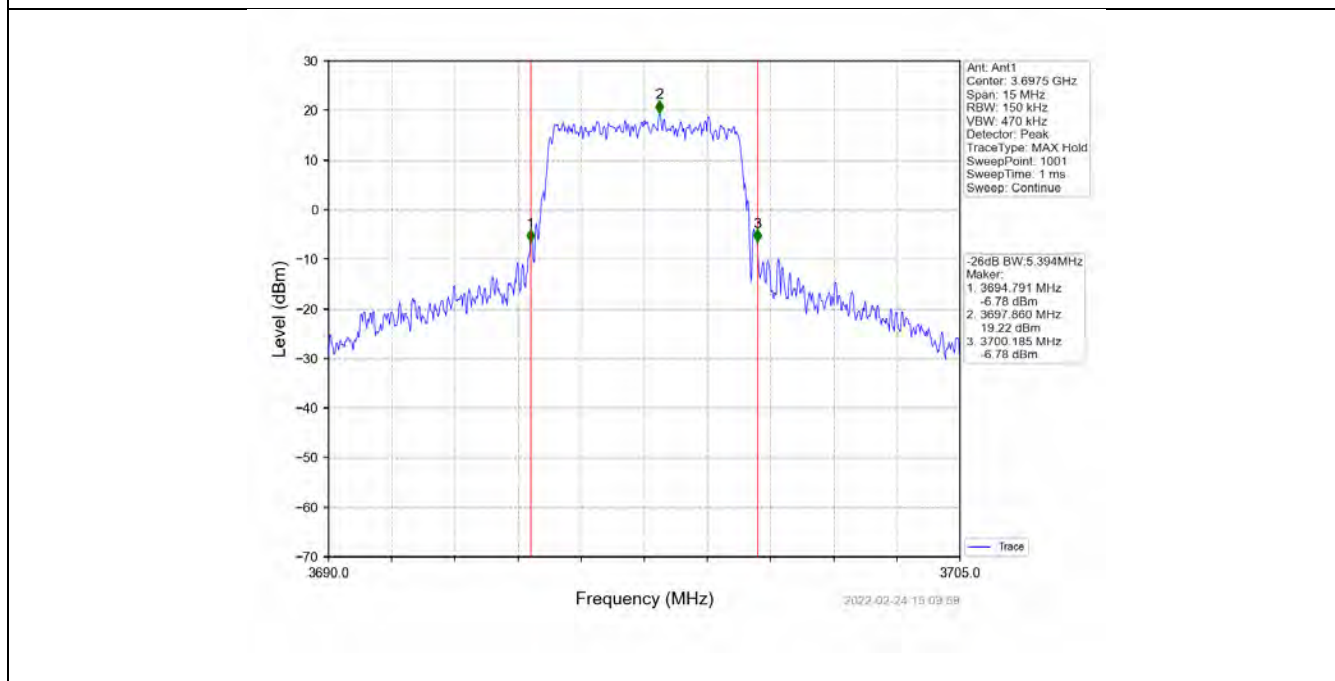
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Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV



Band48_5MHz_64QAM_LCH_3552.5MHz_RB_25_0_NTNV

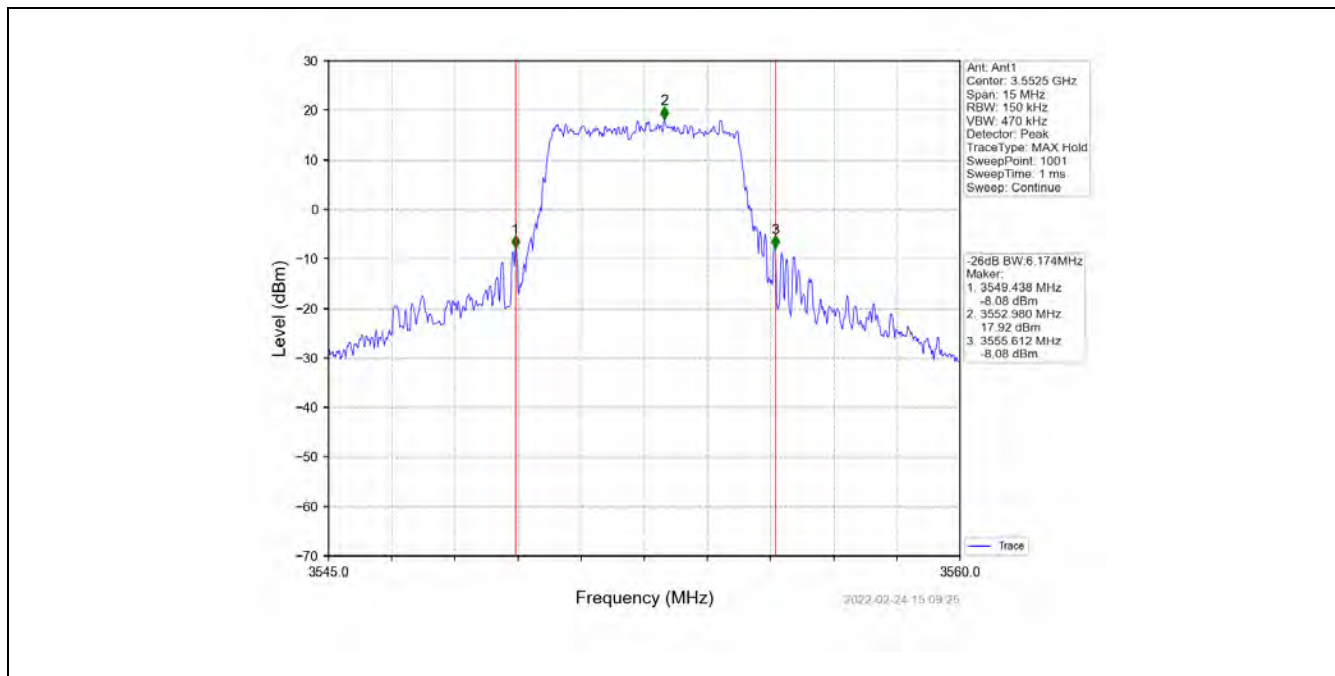


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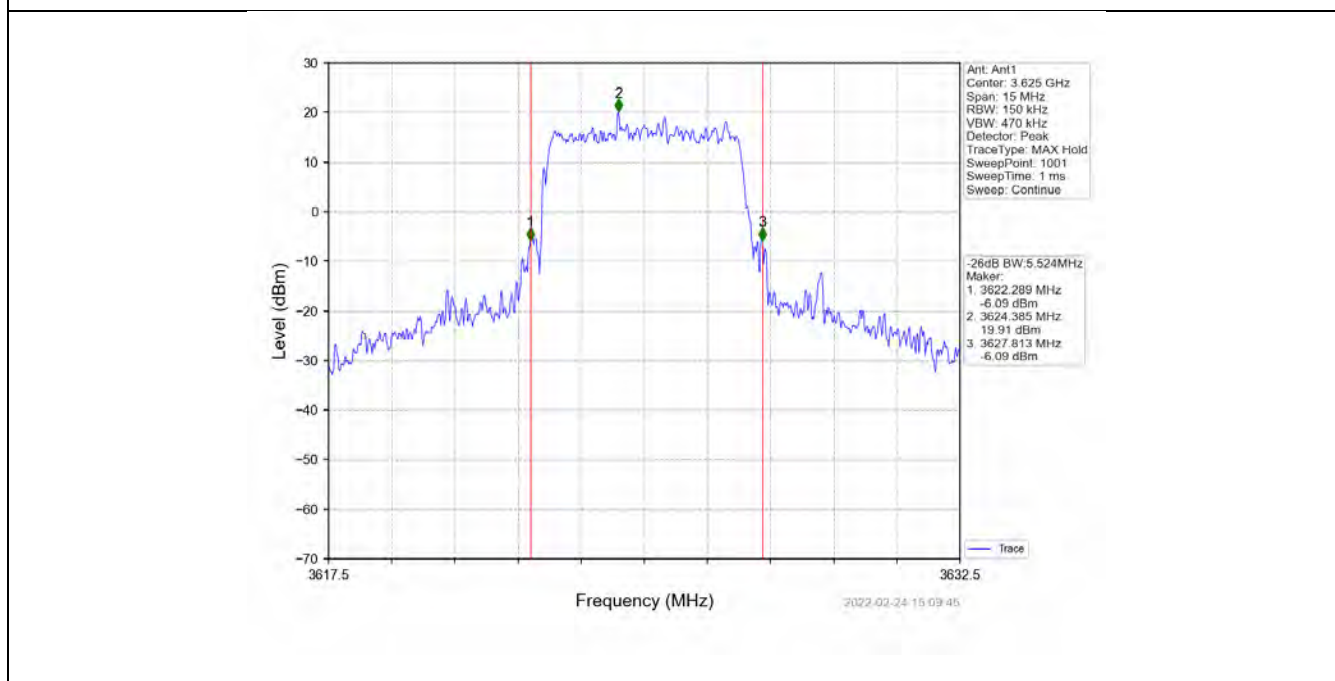
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Band48_5MHz_64QAM_HCH_3697.5MHz_RB_25_0_NTNV

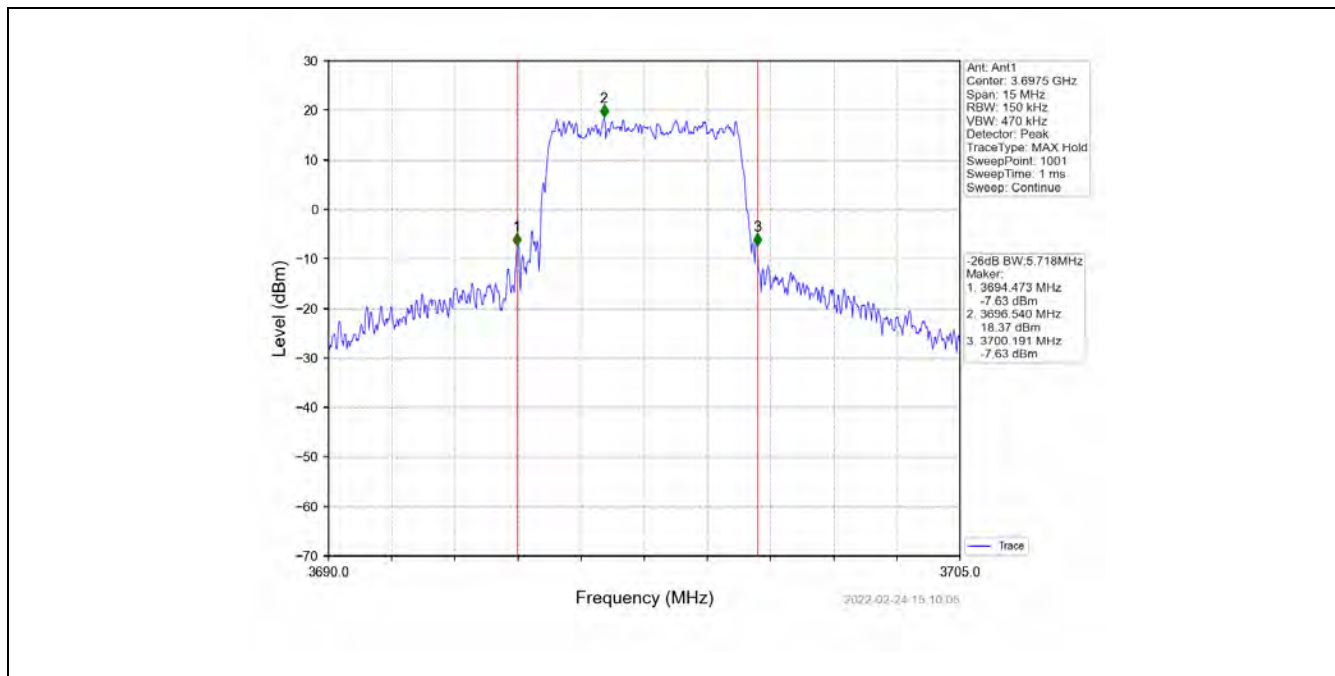


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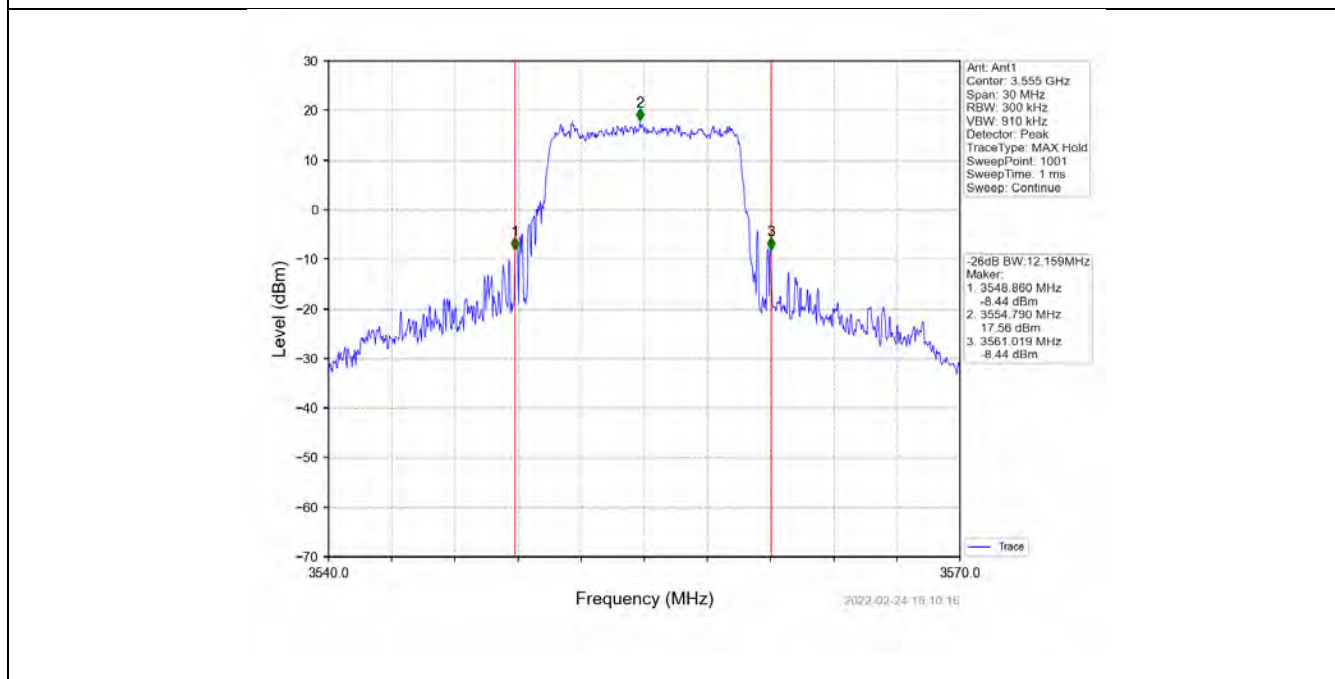
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Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV



Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV

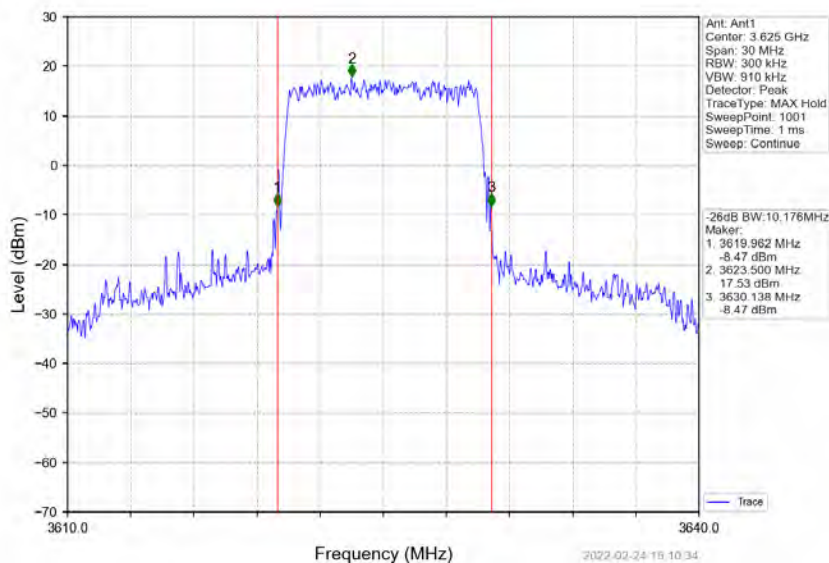


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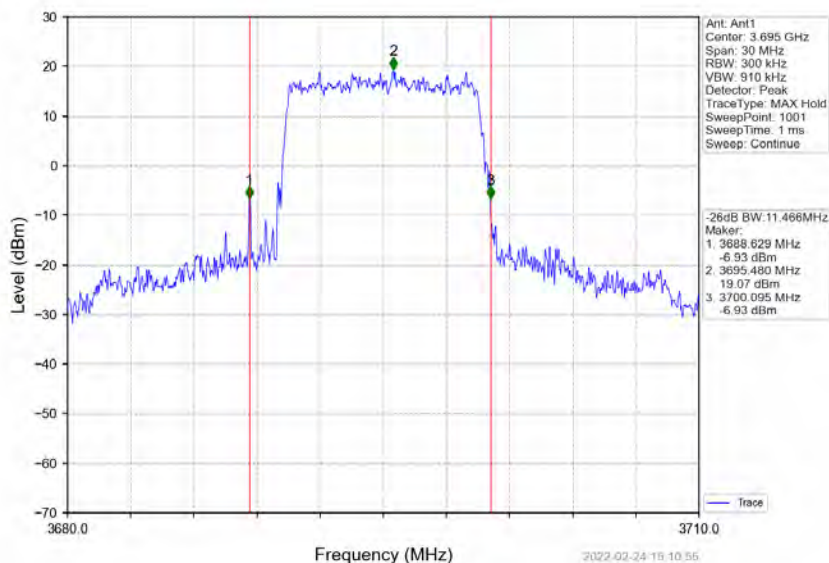
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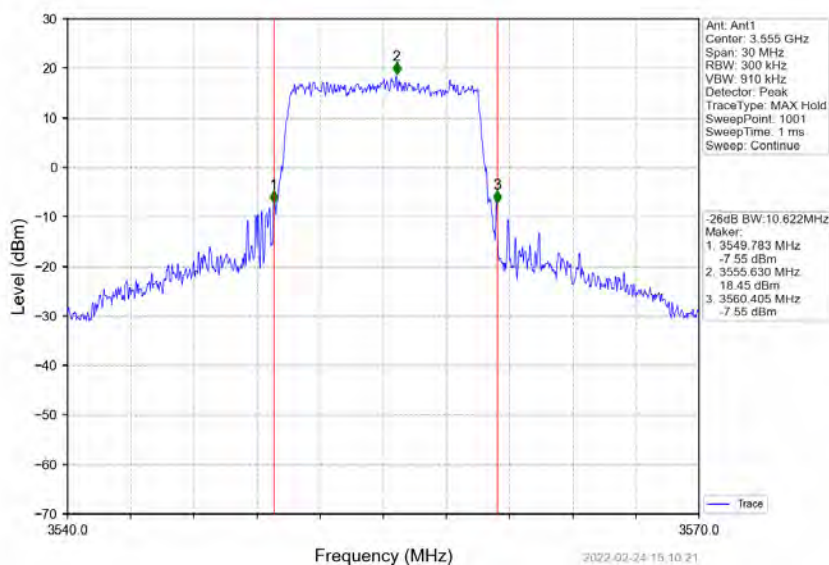


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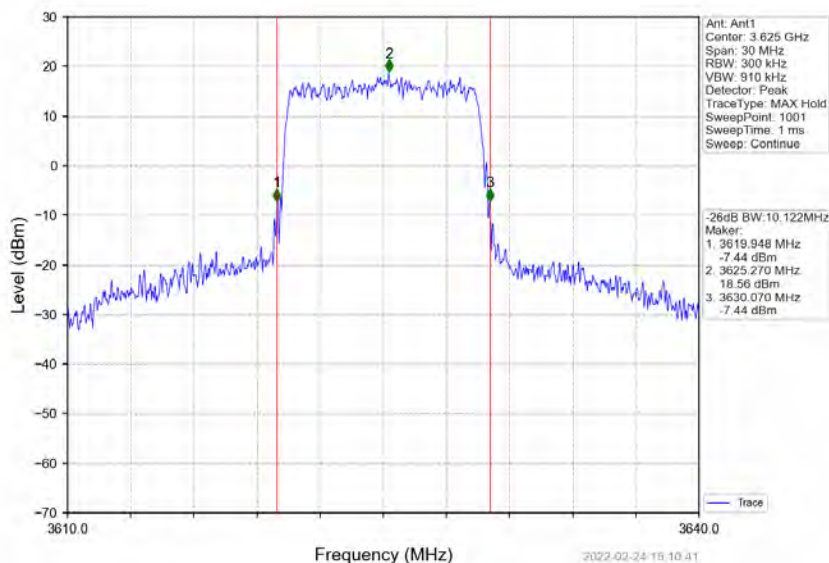


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Band48_10MHz_16QAM_HCH_3695MHz_RB_50_0_NTNV

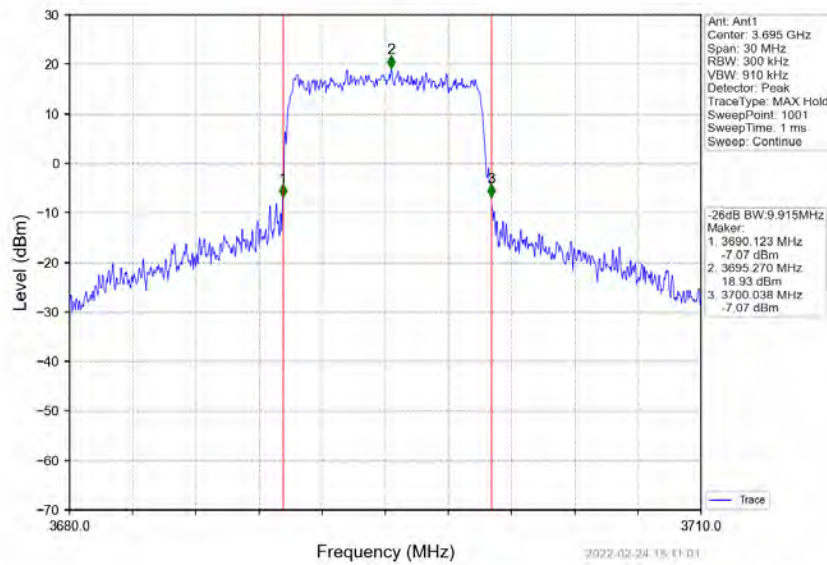


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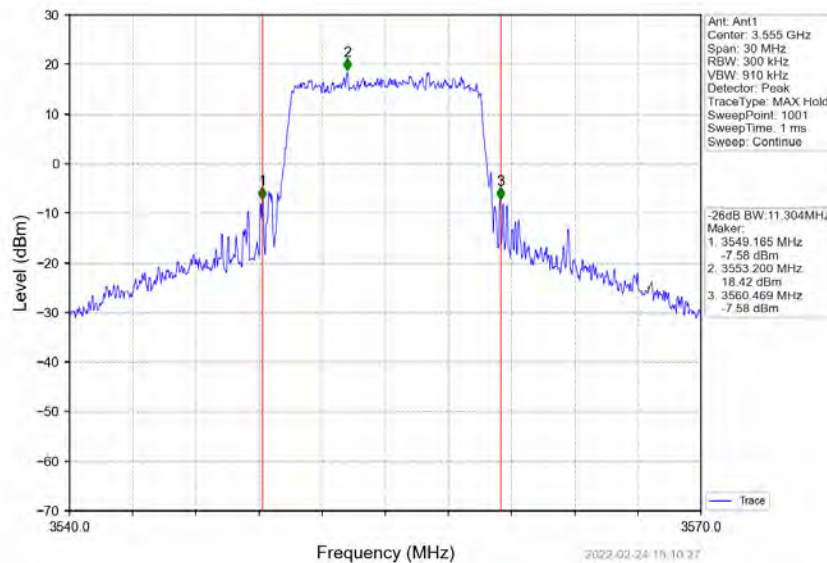
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Band48_10MHz_64QAM_MCH_3625MHz_RB_50_0_NTNV

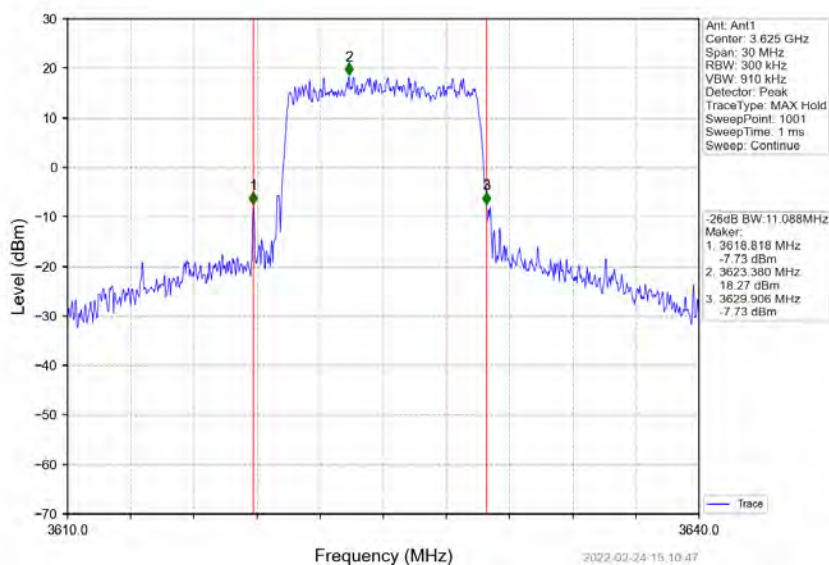


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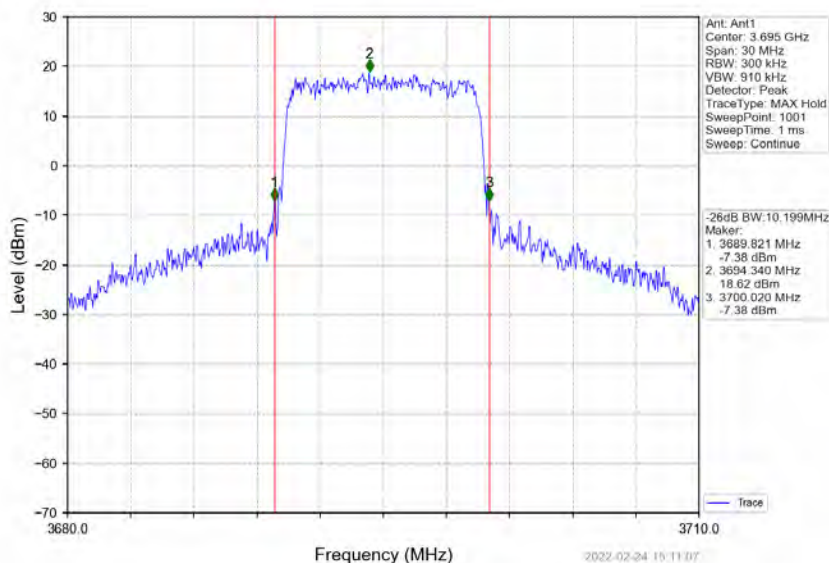
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Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV

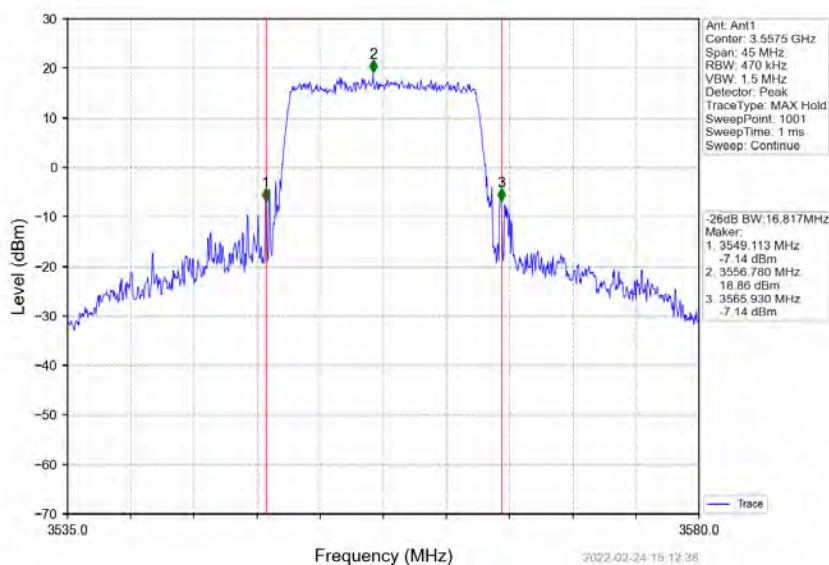


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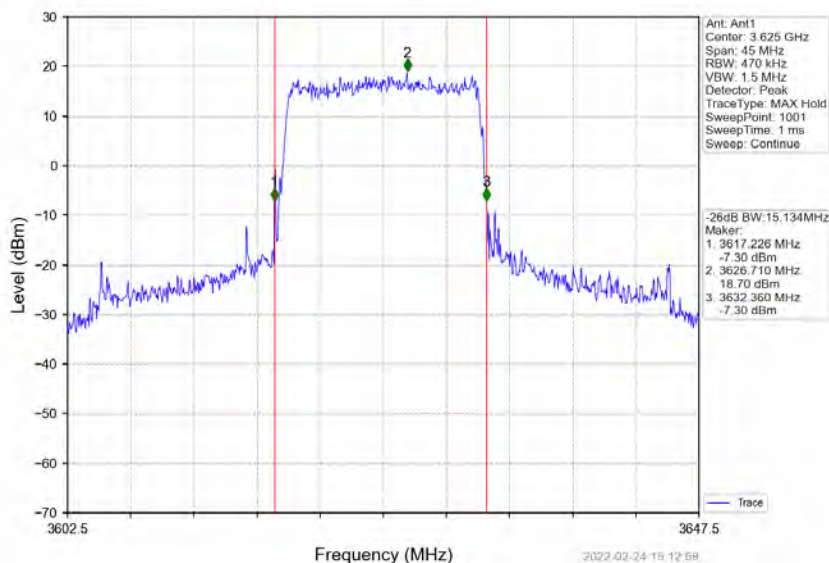
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Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV

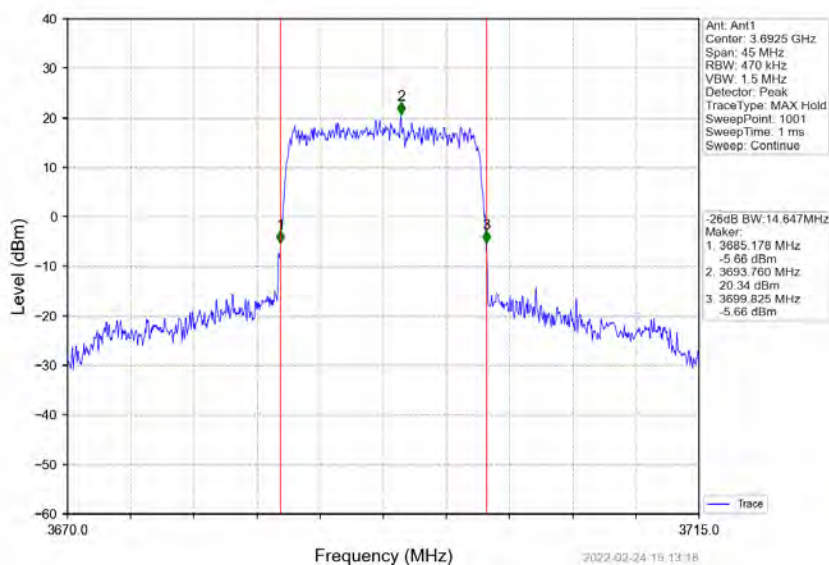


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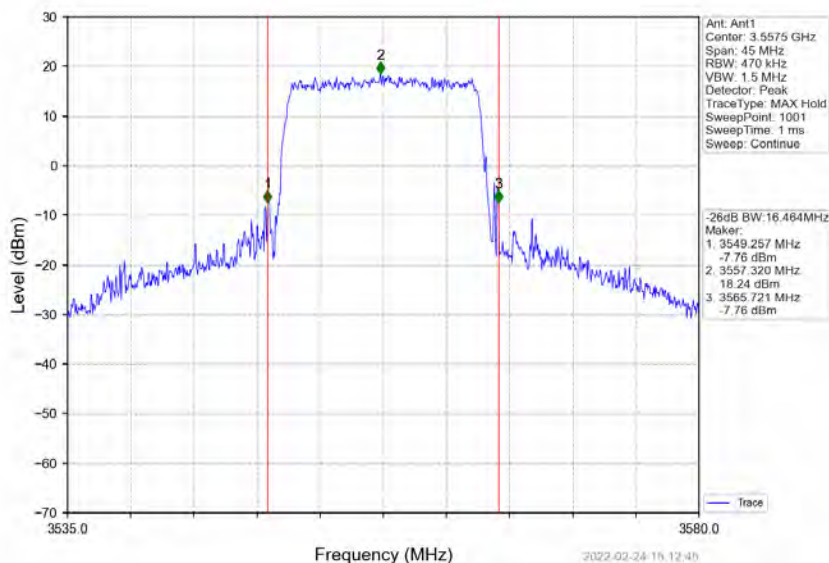
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Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV

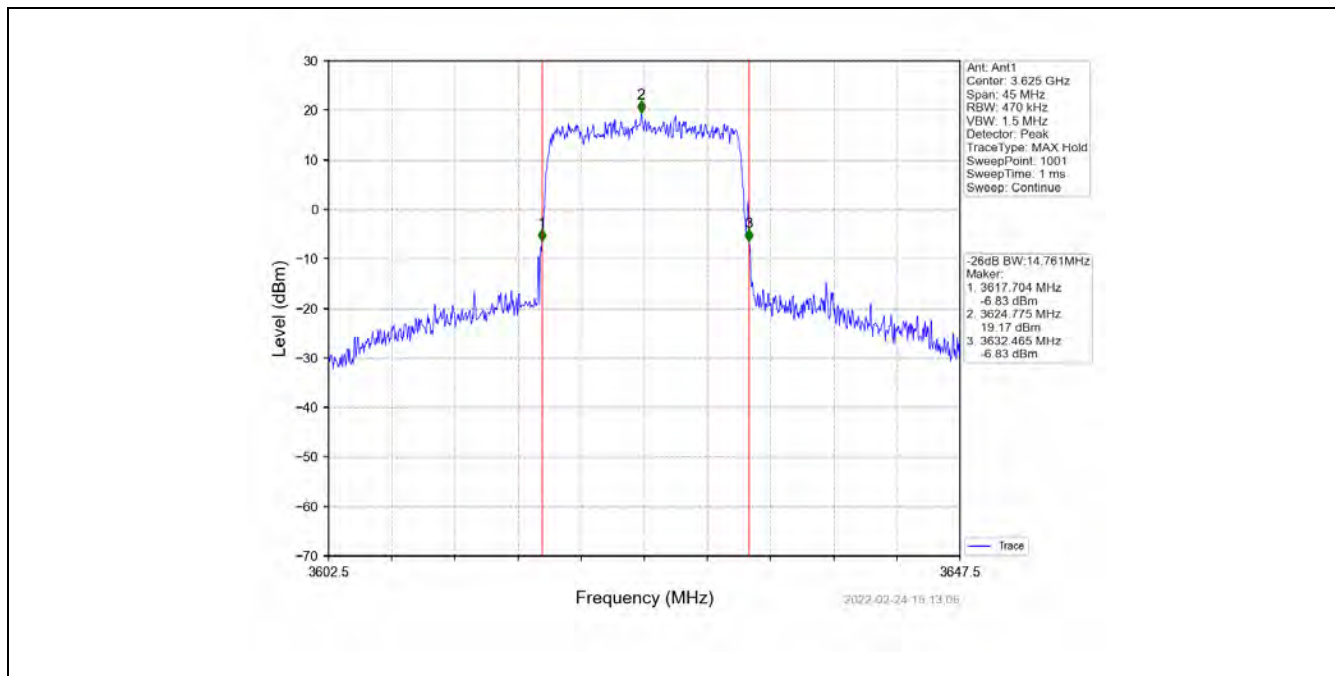


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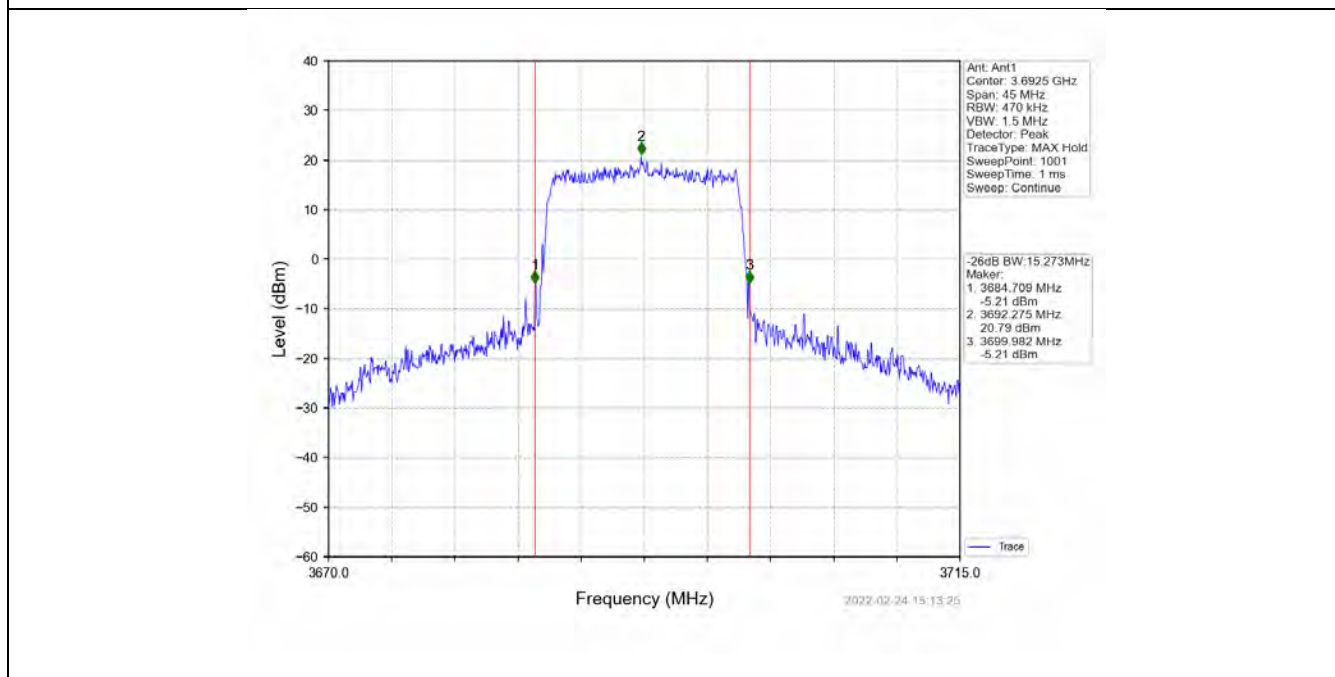
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Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV

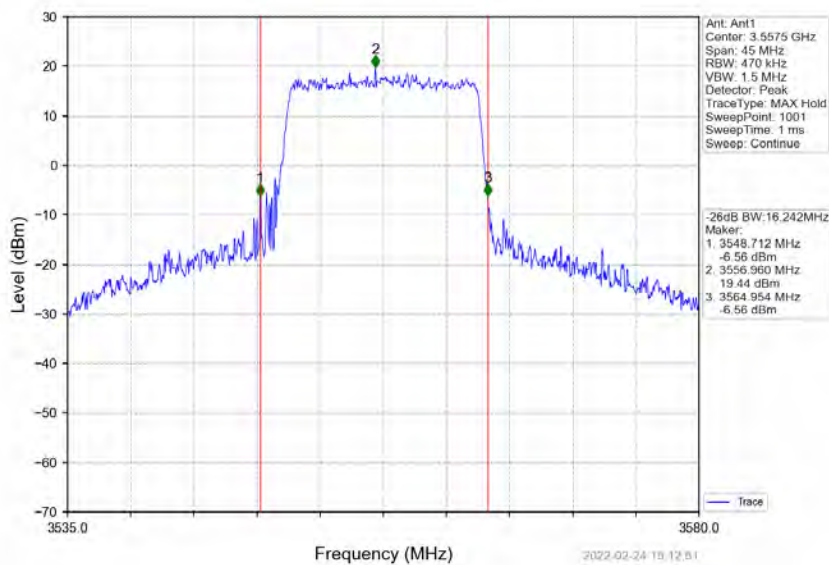


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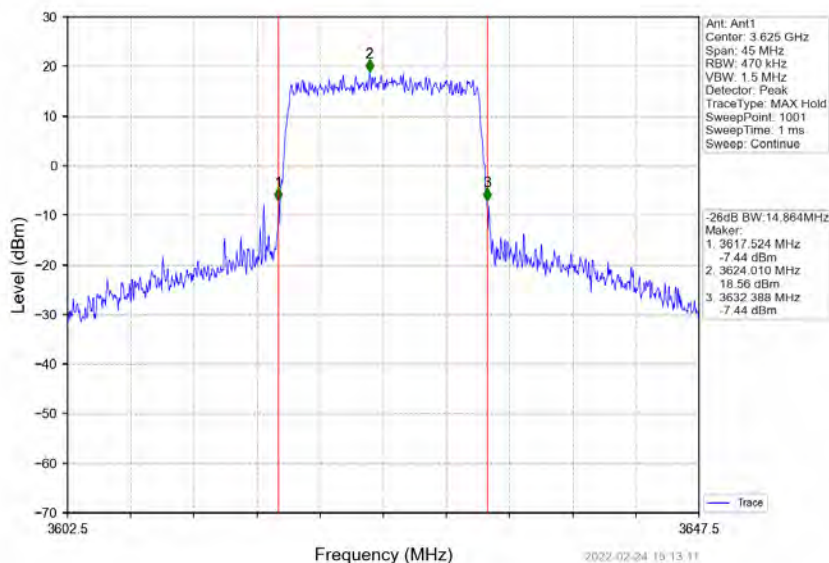


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Band48_15MHz_64QAM_MCH_3625MHz_RB_75_0_NTNV



Band48_15MHz_64QAM_HCH_3692.5MHz_RB_75_0_NTNV

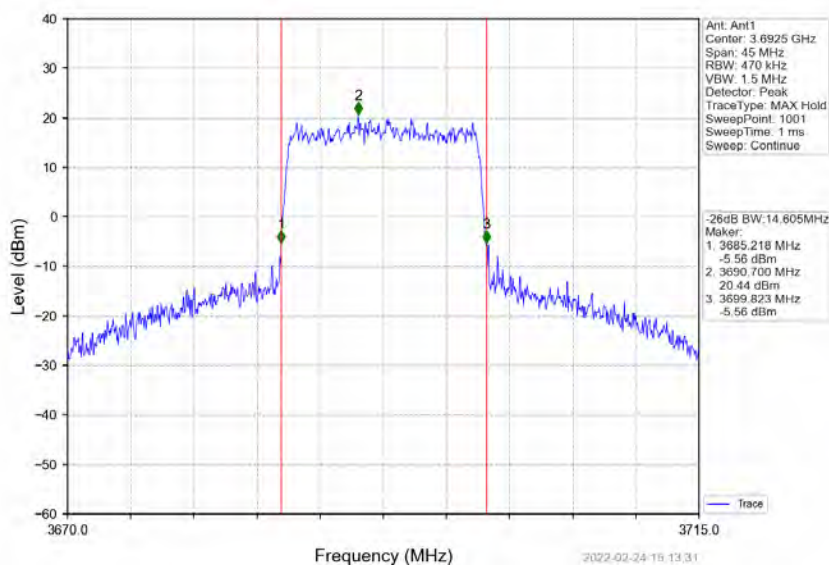


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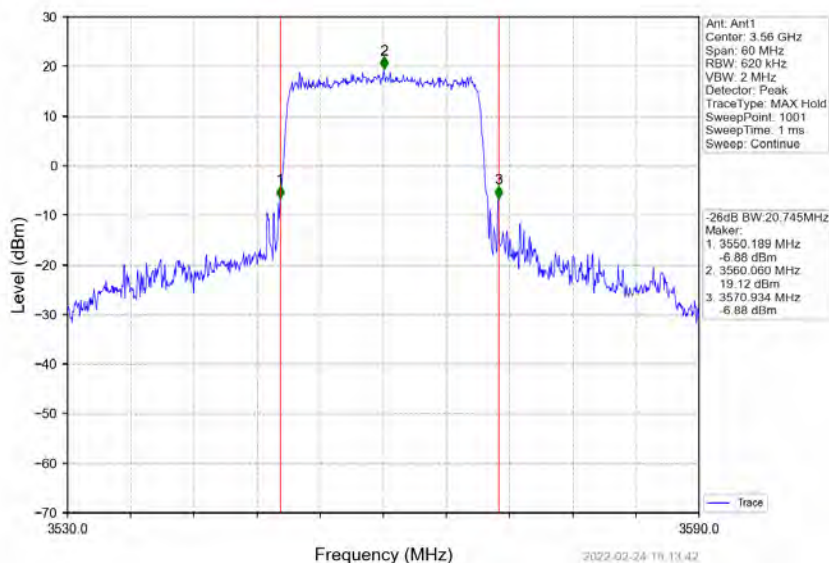
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Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV



Band48_20MHz_QPSK_MCH_3625MHz_RB_100_0_NTNV

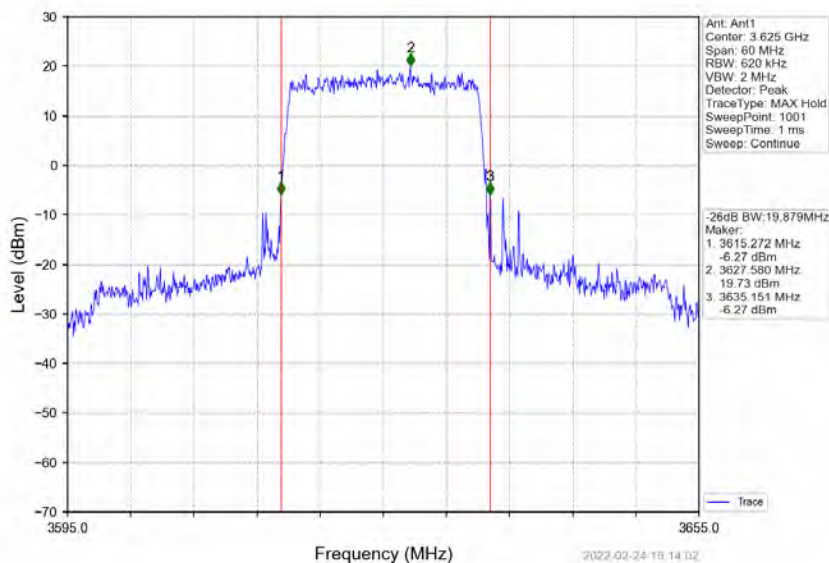


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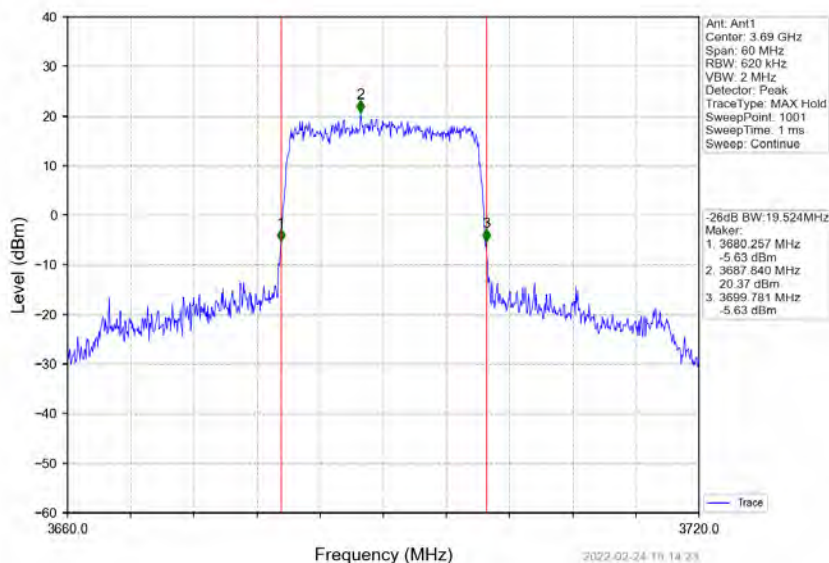
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Band48_20MHz_QPSK_HCH_3690MHz_RB_100_0_NTNV



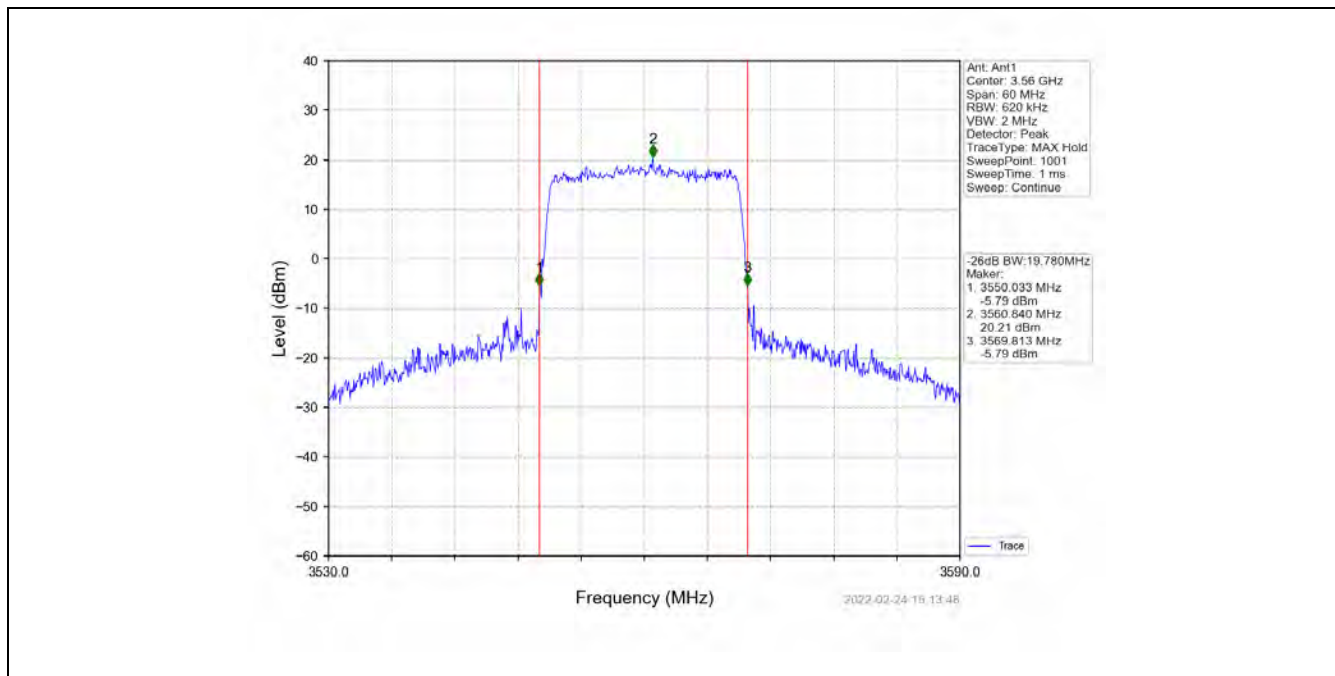
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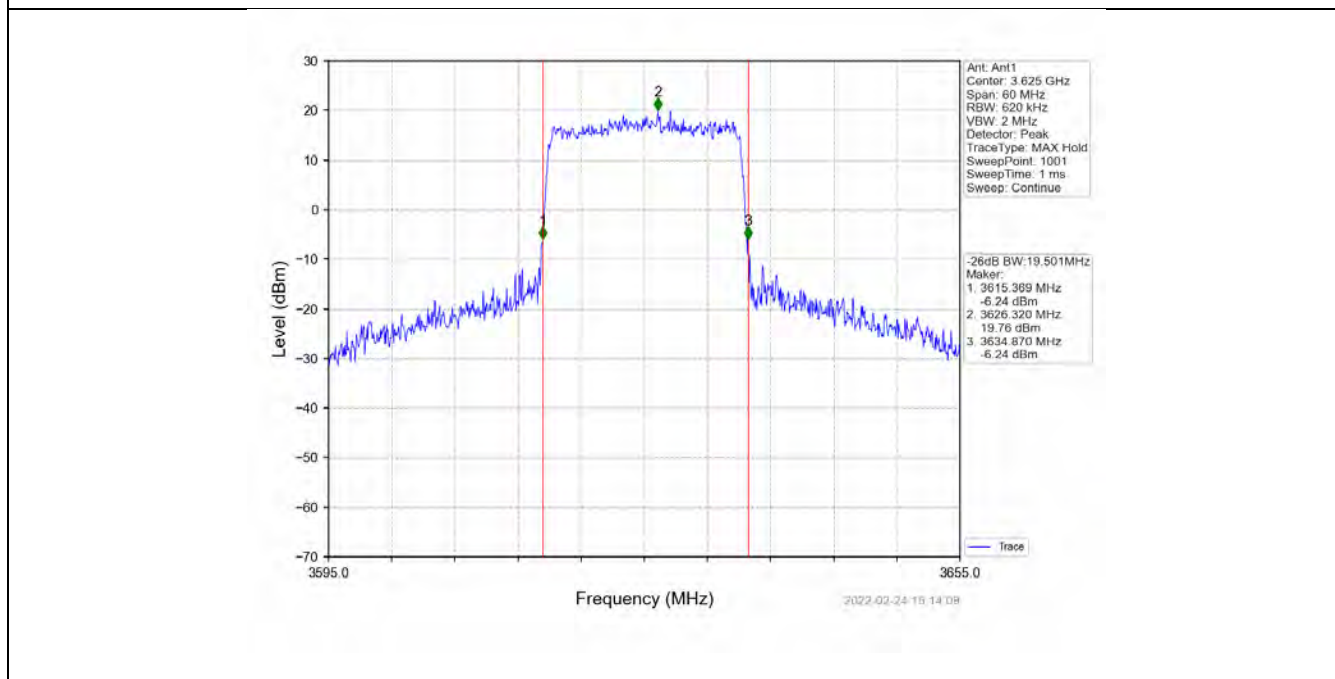
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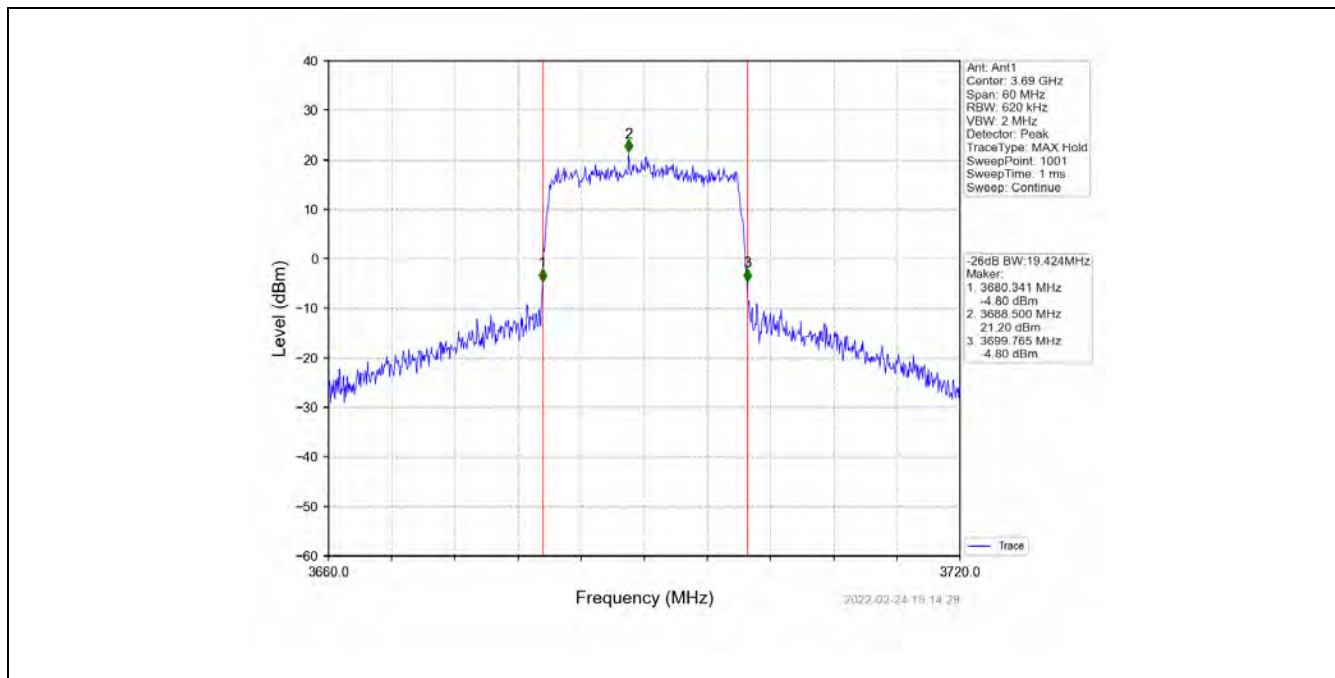
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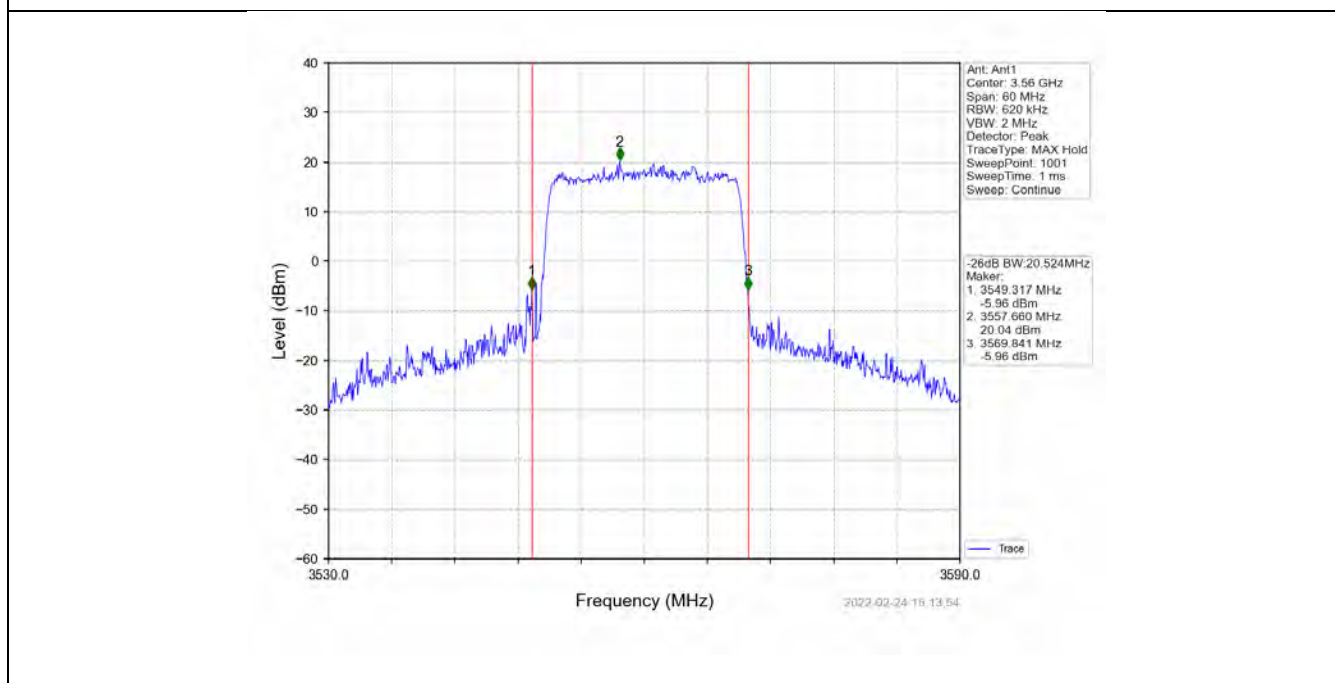
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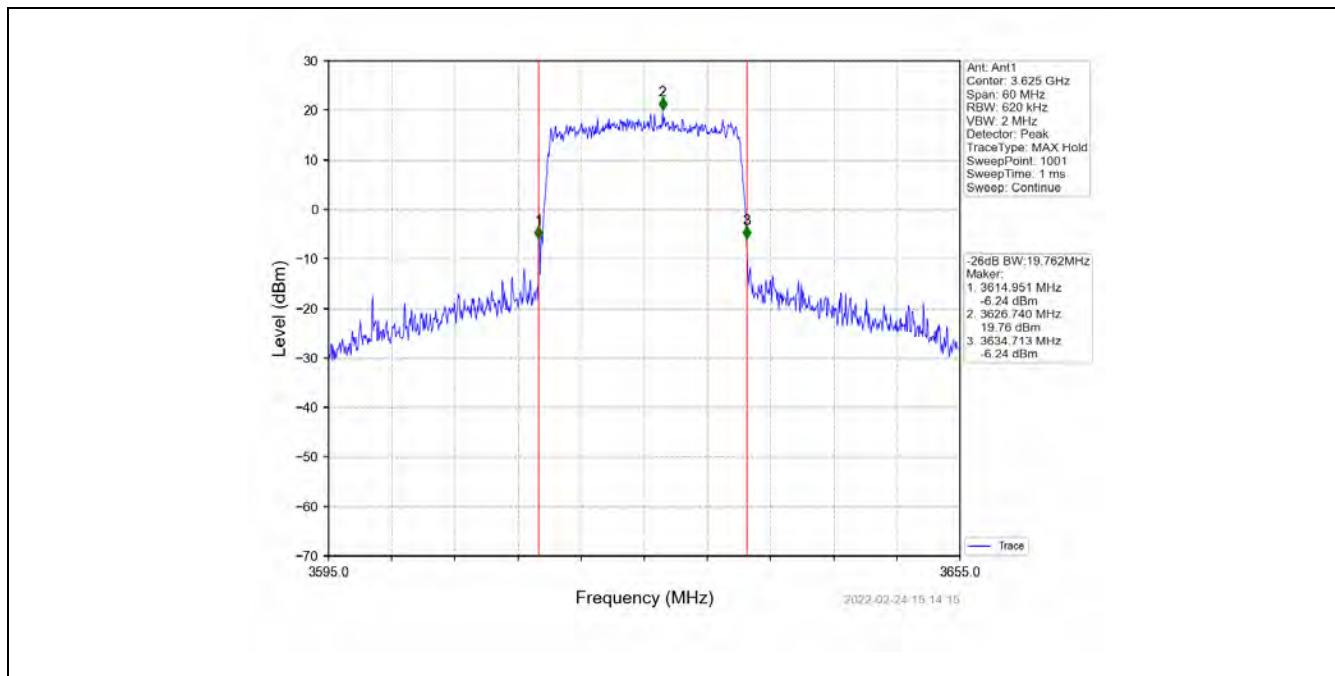


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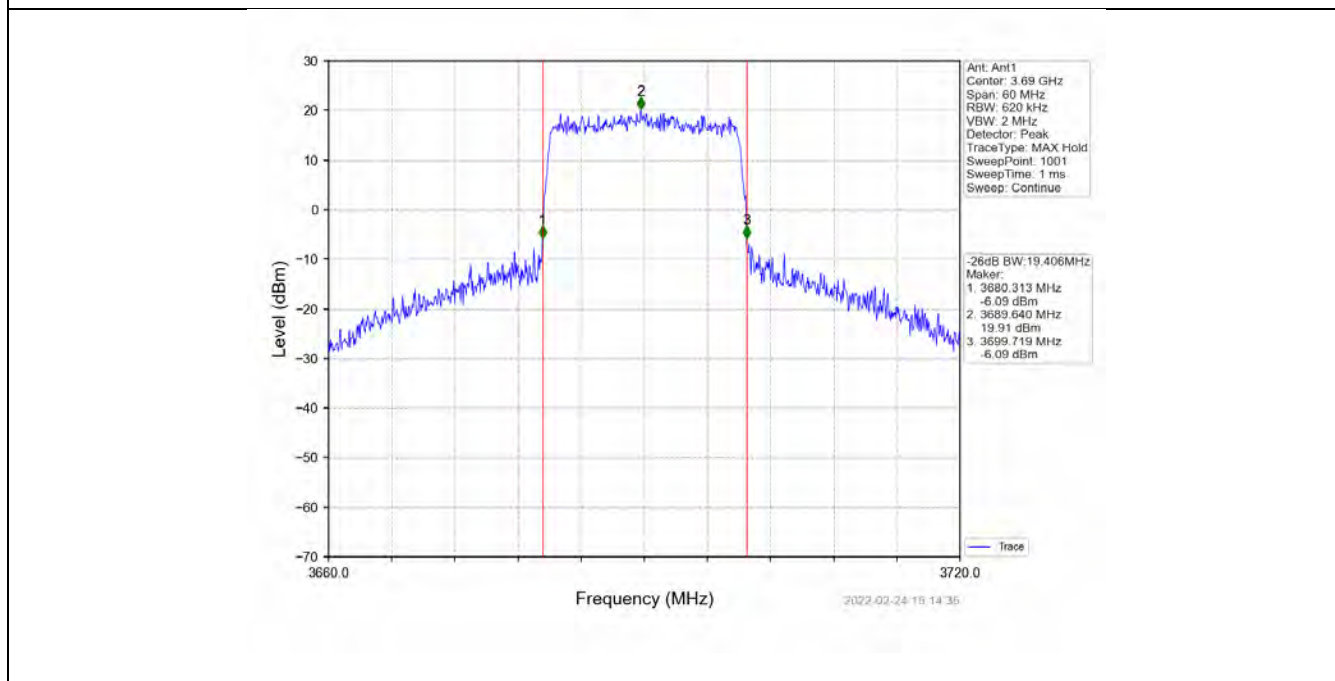
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5. Peak-Average Ratio

5.1 B42H_5MHz

5.1.1 Test Result

Band: 42H / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3452.5	25	0	6.74	<=13	Pass
	3500	25	0	8.24	<=13	Pass
	3547.5	25	0	8.12	<=13	Pass
16QAM	3452.5	25	0	8.19	<=13	Pass
	3500	25	0	8.28	<=13	Pass
	3547.5	25	0	7.61	<=13	Pass
64QAM	3452.5	25	0	7.23	<=13	Pass
	3500	25	0	8.57	<=13	Pass
	3547.5	25	0	8.69	<=13	Pass



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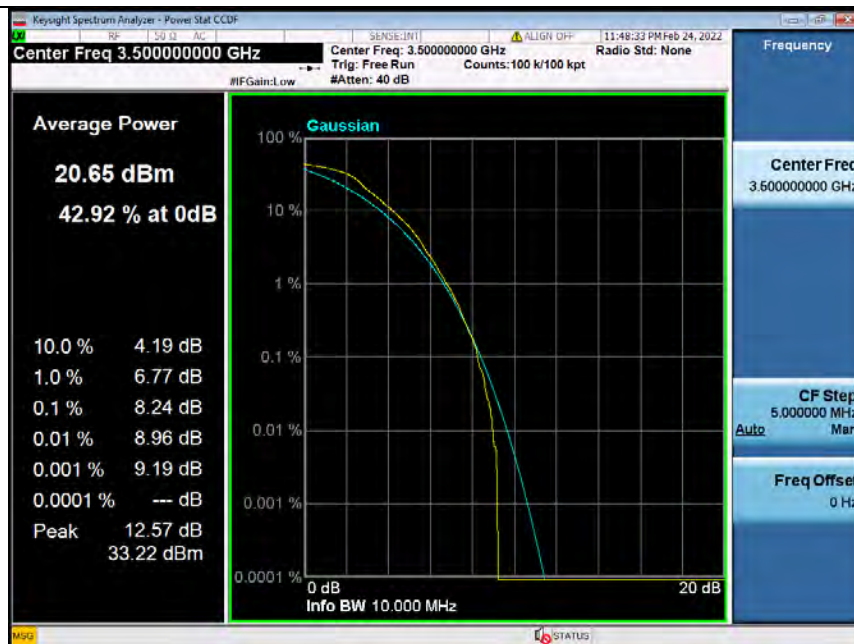
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5.1.2 Test Graph

Band42H_5MHz_QPSK_LCH_3452.5MHz_RB_25_0_NTNV



Band42H_5MHz_QPSK_MCH_3500MHz_RB_25_0_NTNV



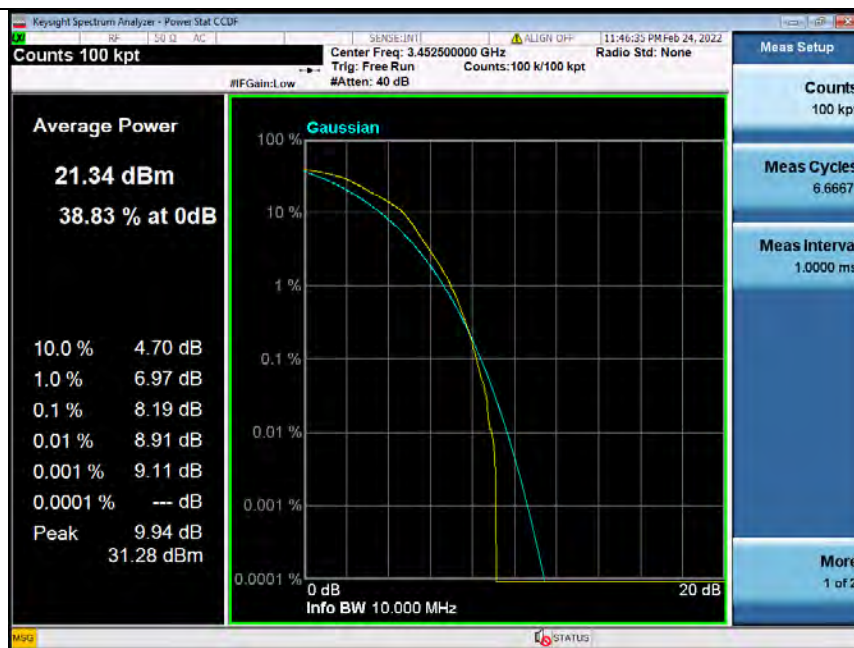
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Band42H_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV



Band42H_5MHz_16QAM_LCH_3452.5MHz_RB_25_0_NTNV

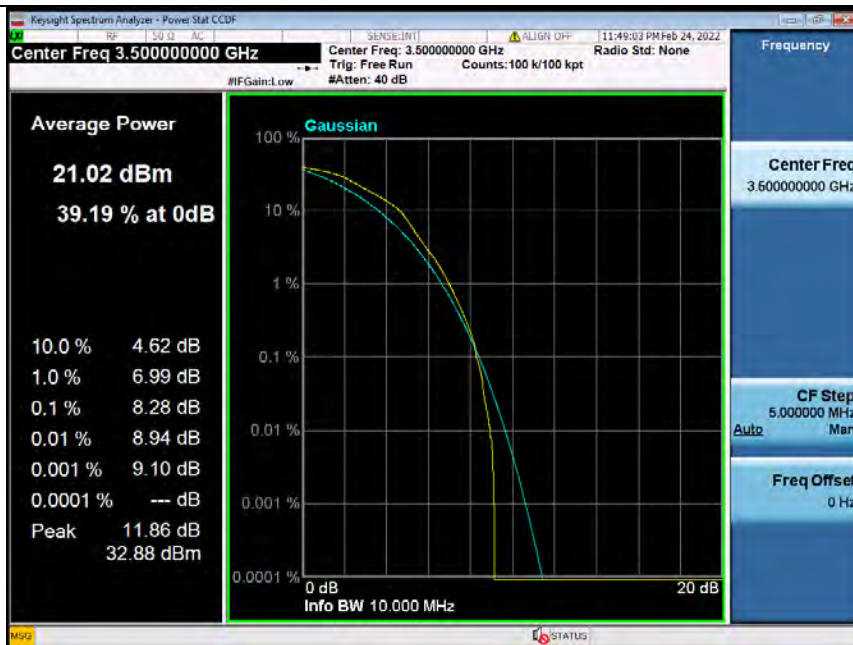


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Band42H_5MHz_64QAM_LCH_3452.5MHz_RB_25_0_NTNV



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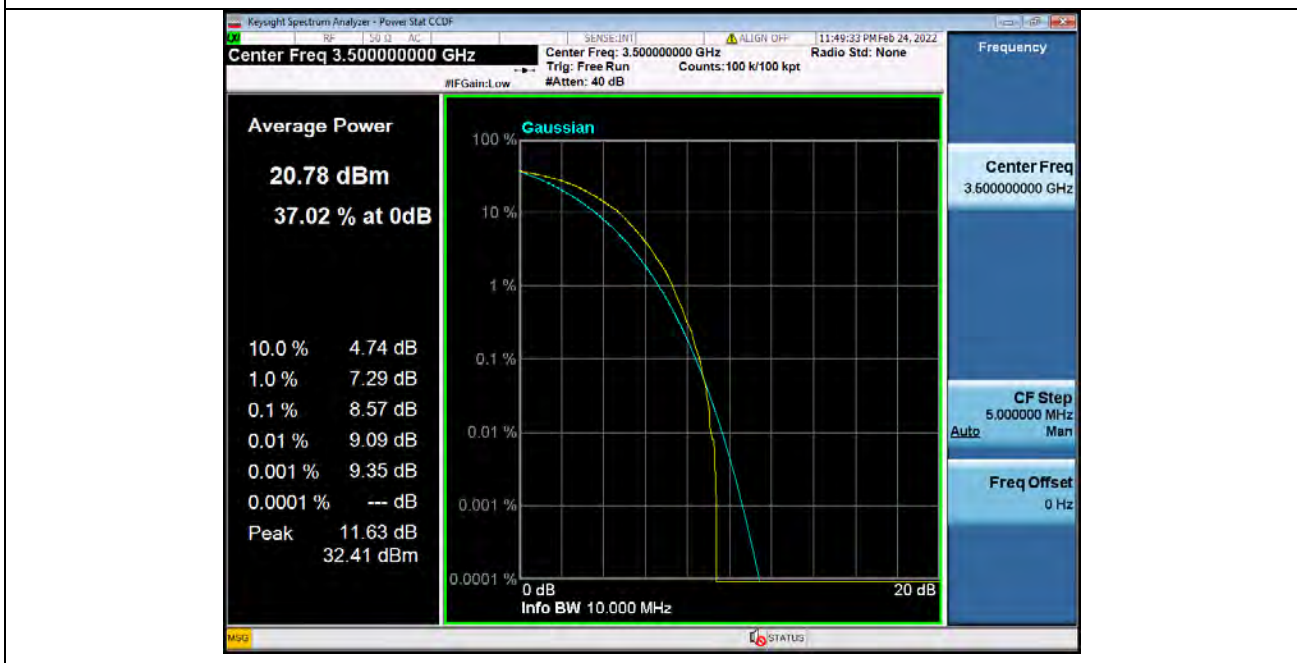
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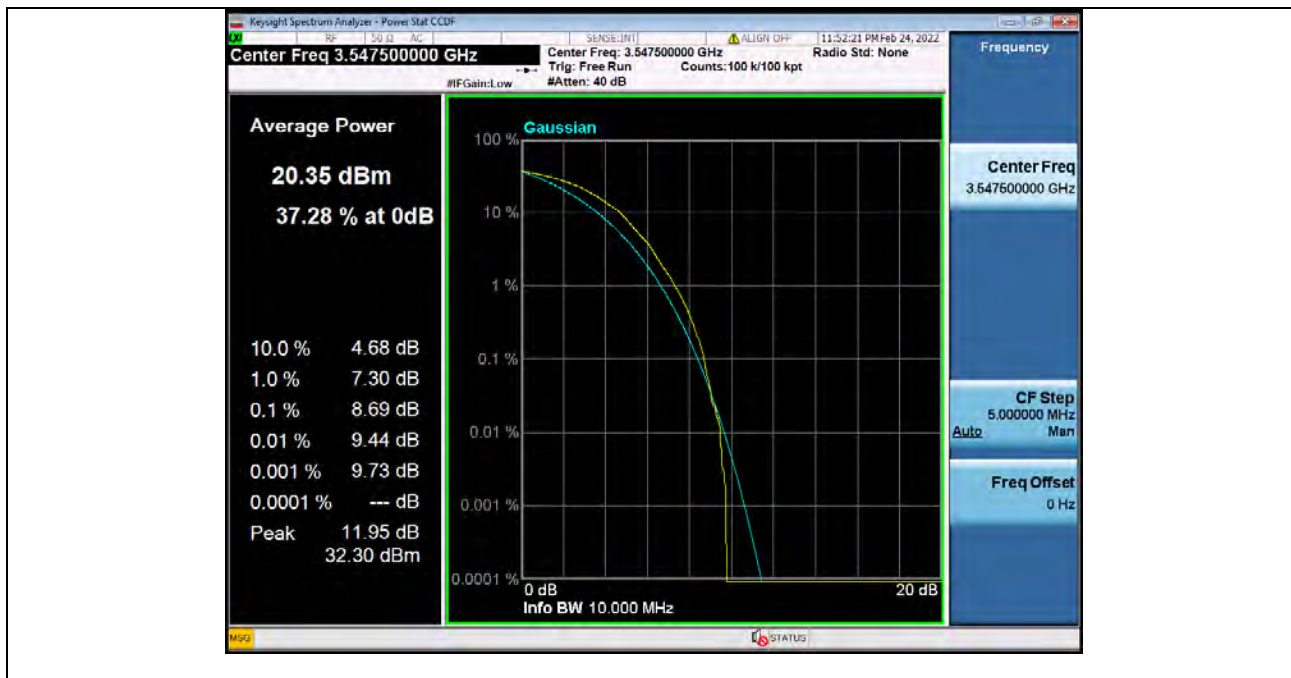


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5.2 B42H_10MHz

5.2.1 Test Result

Band: 42H / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3455	50	0	8.59	<=13	Pass
	3500	50	0	8.60	<=13	Pass
	3545	50	0	7.88	<=13	Pass
16QAM	3455	50	0	8.88	<=13	Pass
	3500	50	0	8.28	<=13	Pass
	3545	50	0	6.90	<=13	Pass
64QAM	3455	50	0	6.43	<=13	Pass
	3500	50	0	7.71	<=13	Pass
	3545	50	0	7.08	<=13	Pass



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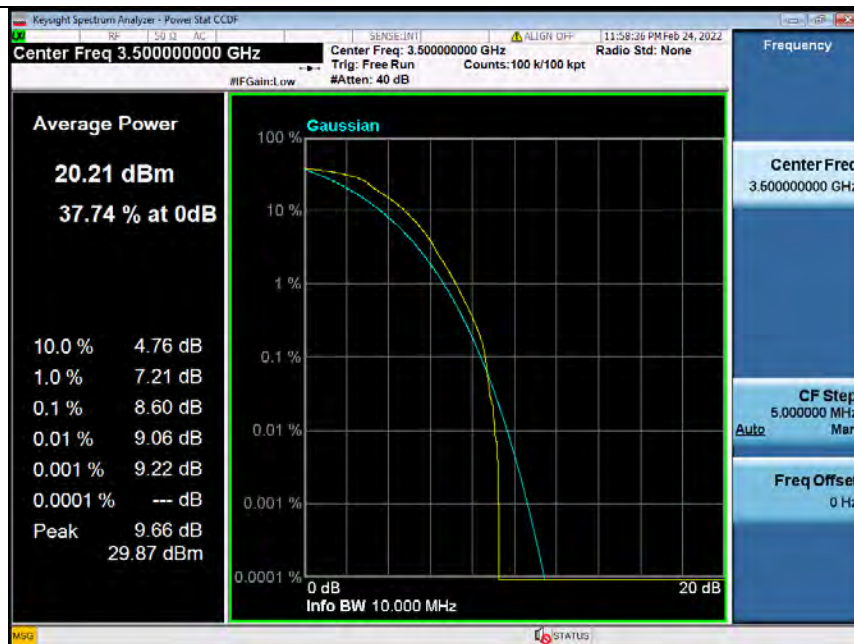
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5.2.2 Test Graph

Band42H_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV



Band42H_10MHz_QPSK_MCH_3500MHz_RB_50_0_NTNV



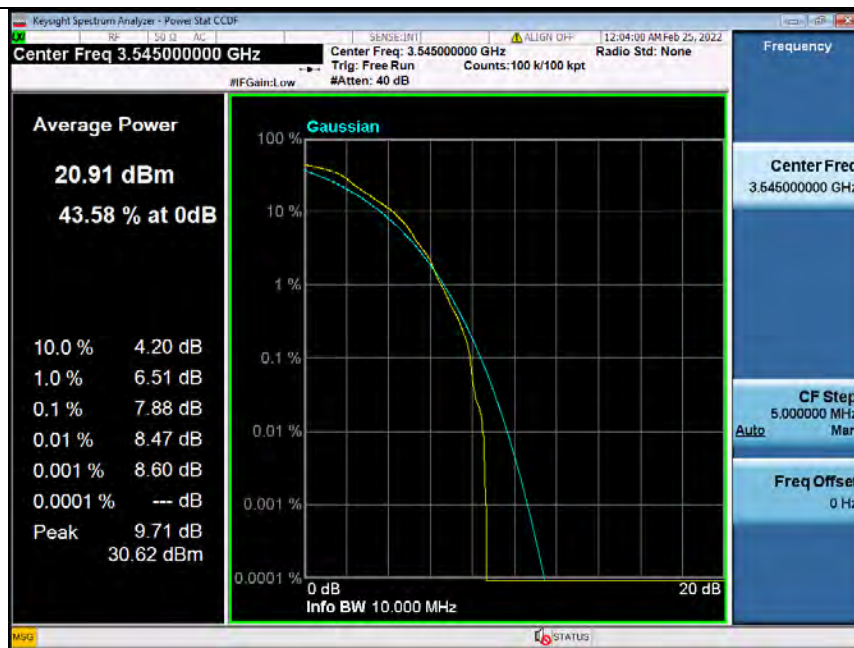
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Band42H_10MHz_QPSK_HCH_3545MHz_RB_50_0_NTNV



Band42H_10MHz_16QAM_LCH_3455MHz_RB_50_0_NTNV



Band42H_10MHz_16QAM_MCH_3500MHz_RB_50_0_NTNV



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Band42H_10MHz_16QAM_HCH_3545MHz_RB_50_0_NTNV



Band42H_10MHz_64QAM_LCH_3455MHz_RB_50_0_NTNV

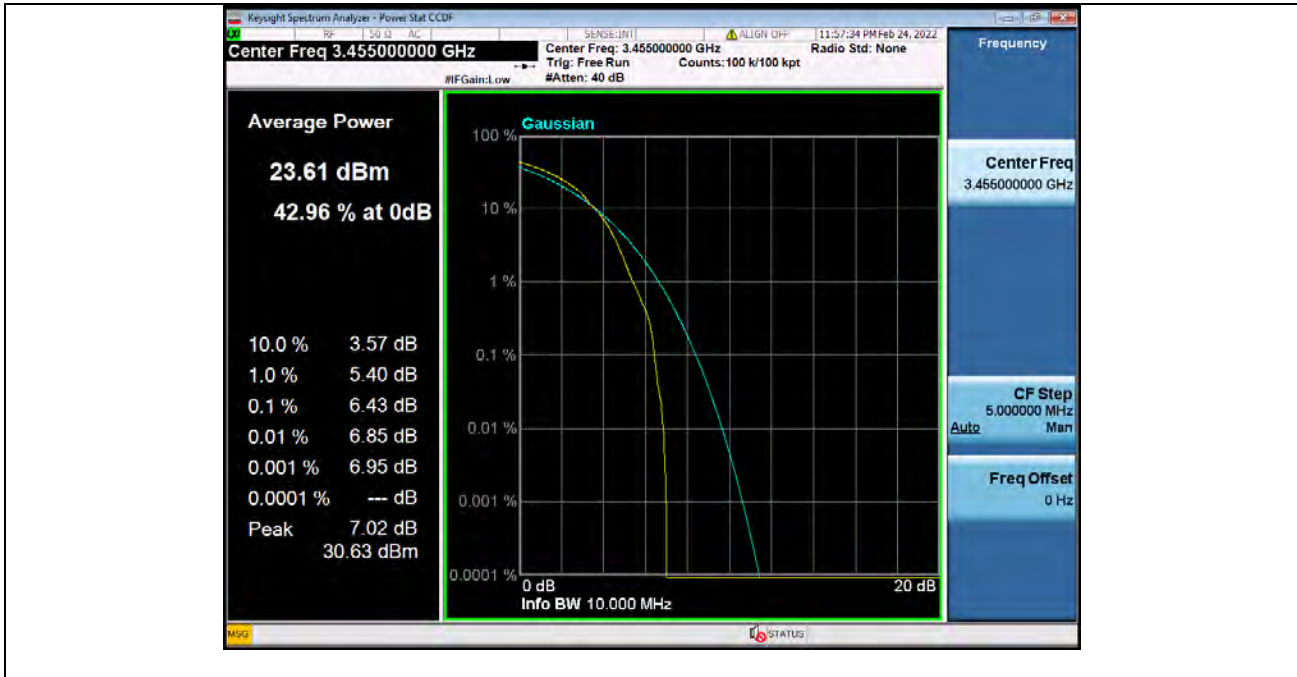


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Band42H_10MHz_64QAM_MCH_3500MHz_RB_50_0_NTNV



Band42H_10MHz_64QAM_HCH_3545MHz_RB_50_0_NTNV



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