

# Appendix B.8

## LTE Band 48



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## 1. Effective (Isotropic) Radiated Power Output Data

### 1.1 Test Result

#### 1.1.1 B48\_5MHz\_EIRP

Band: 48 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3552.5	1	0	12.82	4.23	17.05	<=30	Pass
			13	12.92	4.23	17.15	<=30	Pass
			24	12.91	4.23	17.14	<=30	Pass
		12	0	11.93	4.23	16.16	<=30	Pass
			6	11.94	4.23	16.17	<=30	Pass
			13	11.90	4.23	16.13	<=30	Pass
	3625	25	0	11.94	4.23	16.17	<=30	Pass
		1	0	12.90	4.23	17.13	<=30	Pass
			13	12.96	4.23	17.19	<=30	Pass
			24	12.93	4.23	17.16	<=30	Pass
16QAM	3697.5	12	0	21.49	4.23	25.72	<=30	Pass
			6	21.56	4.23	25.79	<=30	Pass
			13	21.55	4.23	25.78	<=30	Pass
		25	0	21.51	4.23	25.74	<=30	Pass
		1	0	16.63	4.23	20.86	<=30	Pass
			13	16.70	4.23	20.93	<=30	Pass
			24	16.64	4.23	20.87	<=30	Pass
	3552.5	12	0	15.64	4.23	19.87	<=30	Pass
			6	15.78	4.23	20.01	<=30	Pass
			13	15.71	4.23	19.94	<=30	Pass
		25	0	15.70	4.23	19.93	<=30	Pass



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3625	1	0	12.86	4.23	17.09	<=30	Pass	
		13	12.89	4.23	17.12	<=30	Pass	
		24	12.94	4.23	17.17	<=30	Pass	
	12	0	20.53	4.23	24.76	<=30	Pass	
		6	20.66	4.23	24.89	<=30	Pass	
		13	20.76	4.23	24.99	<=30	Pass	
		25	0	20.62	4.23	24.85	<=30	Pass
	3697.5	1	0	15.46	4.23	19.69	<=30	Pass
			13	15.66	4.23	19.89	<=30	Pass
			24	15.54	4.23	19.77	<=30	Pass
		12	0	14.55	4.23	18.78	<=30	Pass
			6	14.75	4.23	18.98	<=30	Pass
			13	14.68	4.23	18.91	<=30	Pass
			25	0	14.65	4.23	18.88	<=30

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.2 B48\_5MHz\_EIRP/10MHz

Band: 48 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP/10MHz (dBm/10MHz)	Verdict	
		Size	Offset			Result		
QPSK	3552.5	1	0	12.83	4.23	17.06	<=30	Pass
			13	12.85	4.23	17.08	<=30	Pass
			24	12.83	4.23	17.06	<=30	Pass
		12	0	11.94	4.23	16.17	<=30	Pass
			6	11.74	4.23	15.97	<=30	Pass
			13	11.89	4.23	16.12	<=30	Pass
	3625	1	0	11.66	4.23	15.89	<=30	Pass
			0	12.52	4.23	16.75	<=30	Pass
			13	12.80	4.23	17.03	<=30	Pass
		12	24	12.29	4.23	16.52	<=30	Pass
			0	20.97	4.23	25.20	<=30	Pass
			6	20.59	4.23	24.82	<=30	Pass
	3697.5	13	13	20.55	4.23	24.78	<=30	Pass
			0	20.71	4.23	24.94	<=30	Pass
		1	0	15.72	4.23	19.95	<=30	Pass
			13	16.04	4.23	20.27	<=30	Pass



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		24	16.04	4.23	20.27	<=30	Pass	
		0	15.02	4.23	19.25	<=30	Pass	
		12	6	4.23	19.15	<=30	Pass	
		13	15.18	4.23	19.41	<=30	Pass	
		25	0	15.37	4.23	19.60	<=30	Pass
	3552.5	0	11.44	4.23	15.67	<=30	Pass	
		1	13	4.23	16.29	<=30	Pass	
		24	11.61	4.23	15.84	<=30	Pass	
		0	11.06	4.23	15.29	<=30	Pass	
		12	6	4.23	15.18	<=30	Pass	
	3625	13	10.56	4.23	14.79	<=30	Pass	
		25	0	11.00	4.23	15.23	<=30	Pass
		0	12.37	4.23	16.60	<=30	Pass	
		1	13	4.23	16.82	<=30	Pass	
		24	11.84	4.23	16.07	<=30	Pass	
	3697.5	0	19.49	4.23	23.72	<=30	Pass	
		12	6	4.23	23.89	<=30	Pass	
		13	19.70	4.23	23.93	<=30	Pass	
		25	0	20.43	4.23	24.66	<=30	Pass
		0	14.70	4.23	18.93	<=30	Pass	
	16QAM	1	13	4.23	19.57	<=30	Pass	
		24	14.54	4.23	18.77	<=30	Pass	
		0	14.51	4.23	18.74	<=30	Pass	
		12	6	4.23	18.51	<=30	Pass	
		13	13.74	4.23	17.97	<=30	Pass	
	3697.5	25	0	13.67	4.23	17.90	<=30	Pass

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

### 1.1.3 B48\_5MHz\_PSD

Band: 48 / Bandwidth: 5MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/MHz)	Gain (dBi)	E.I.R.PSD (dBm/MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	3552.5	1	0	10.39	4.23	14.62	<=20	Pass
			13	10.04	4.23	14.27	<=20	Pass
			24	10.42	4.23	14.65	<=20	Pass
		12	0	0.01	4.23	4.24	<=20	Pass



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	3625		6	-0.48	4.23	3.75	<=20	Pass	
			13	-0.68	4.23	3.55	<=20	Pass	
		25	0	-3.15	4.23	1.08	<=20	Pass	
			0	9.75	4.23	13.98	<=20	Pass	
		1	13	10.20	4.23	14.43	<=20	Pass	
			24	9.86	4.23	14.09	<=20	Pass	
		12	0	8.28	4.23	12.51	<=20	Pass	
			6	7.68	4.23	11.91	<=20	Pass	
			13	8.08	4.23	12.31	<=20	Pass	
		25	0	5.43	4.23	9.66	<=20	Pass	
	3697.5		0	12.93	4.23	17.16	<=20	Pass	
		1	13	13.85	4.23	18.08	<=20	Pass	
			24	13.56	4.23	17.79	<=20	Pass	
		12	0	2.37	4.23	6.60	<=20	Pass	
			6	1.94	4.23	6.17	<=20	Pass	
			13	1.78	4.23	6.01	<=20	Pass	
		25	0	-0.25	4.23	3.98	<=20	Pass	
		1	0	9.29	4.23	13.52	<=20	Pass	
			13	9.32	4.23	13.55	<=20	Pass	
			24	9.62	4.23	13.85	<=20	Pass	
	3552.5	12	0	-1.35	4.23	2.88	<=20	Pass	
			6	-1.39	4.23	2.84	<=20	Pass	
			13	-1.37	4.23	2.86	<=20	Pass	
		25	0	-4.50	4.23	-0.27	<=20	Pass	
		1	0	9.70	4.23	13.93	<=20	Pass	
			13	9.29	4.23	13.52	<=20	Pass	
			24	10.01	4.23	14.24	<=20	Pass	
		12	0	6.24	4.23	10.47	<=20	Pass	
			6	7.13	4.23	11.36	<=20	Pass	
			13	7.40	4.23	11.63	<=20	Pass	
	16QAM	25	0	4.08	4.23	8.31	<=20	Pass	
		3625	1	0	12.31	4.23	16.54	<=20	Pass
			13	12.64	4.23	16.87	<=20	Pass	
			24	13.46	4.23	17.69	<=20	Pass	
		12	0	1.76	4.23	5.99	<=20	Pass	
			6	1.67	4.23	5.90	<=20	Pass	
			13	2.26	4.23	6.49	<=20	Pass	

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		25	0	-1.28	4.23	2.95	<=20	Pass
Note1: PSD=Conducted Power+Antenna Gain								

### 1.1.4 B48\_10MHz\_EIRP

Band: 48 / Bandwidth: 10MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	3555	1	0	12.76	4.23	16.99	<=30	Pass	
			25	12.87	4.23	17.10	<=30	Pass	
			49	12.84	4.23	17.07	<=30	Pass	
		25	0	11.92	4.23	16.15	<=30	Pass	
			13	11.98	4.23	16.21	<=30	Pass	
			25	11.93	4.23	16.16	<=30	Pass	
	3625	1	0	11.91	4.23	16.14	<=30	Pass	
			0	12.84	4.23	17.07	<=30	Pass	
			25	12.91	4.23	17.14	<=30	Pass	
		25	49	12.80	4.23	17.03	<=30	Pass	
			0	21.54	4.23	25.77	<=30	Pass	
			13	21.59	4.23	25.82	<=30	Pass	
16QAM	3695	1	25	21.58	4.23	25.81	<=30	Pass	
			50	0	21.50	4.23	25.73	<=30	Pass
			0	13.05	4.23	17.28	<=30	Pass	
		25	25	13.12	4.23	17.35	<=30	Pass	
			49	13.08	4.23	17.31	<=30	Pass	
			0	16.20	4.23	20.43	<=30	Pass	
	3555	25	13	16.18	4.23	20.41	<=30	Pass	
			25	16.21	4.23	20.44	<=30	Pass	
			50	0	16.18	4.23	20.41	<=30	Pass
		1	0	11.72	4.23	15.95	<=30	Pass	
			25	11.82	4.23	16.05	<=30	Pass	
			49	11.91	4.23	16.14	<=30	Pass	
		25	0	10.95	4.23	15.18	<=30	Pass	
			13	10.97	4.23	15.20	<=30	Pass	
			25	10.90	4.23	15.13	<=30	Pass	
	3625	1	50	0	10.89	4.23	15.12	<=30	Pass
			0	12.90	4.23	17.13	<=30	Pass	
		25	0	12.95	4.23	17.18	<=30	Pass	



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		49	12.77	4.23	17.00	<=30	Pass
3695	25	0	21.17	4.23	25.40	<=30	Pass
		13	21.26	4.23	25.49	<=30	Pass
		25	21.31	4.23	25.54	<=30	Pass
		50	0	21.20	4.23	25.43	<=30
3695	1	0	13.06	4.23	17.29	<=30	Pass
		25	12.89	4.23	17.12	<=30	Pass
		49	12.95	4.23	17.18	<=30	Pass
	25	0	15.18	4.23	19.41	<=30	Pass
		13	15.15	4.23	19.38	<=30	Pass
		25	15.18	4.23	19.41	<=30	Pass
		50	0	15.10	4.23	19.33	<=30

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.5 B48\_10MHz\_EIRP/10MHz

Band: 48 / Bandwidth: 10MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP/10MHz (dBm/10MHz)	Verdict	
		Size	Offset			Result		
QPSK	3555	1	0	12.71	4.23	16.94	<=30	Pass
			25	12.66	4.23	16.89	<=30	Pass
			49	12.76	4.23	16.99	<=30	Pass
		25	0	11.67	4.23	15.90	<=30	Pass
			13	11.84	4.23	16.07	<=30	Pass
			25	11.97	4.23	16.20	<=30	Pass
	3625	1	0	11.74	4.23	15.97	<=30	Pass
			0	12.46	4.23	16.69	<=30	Pass
			25	12.17	4.23	16.40	<=30	Pass
		25	49	11.94	4.23	16.17	<=30	Pass
			0	20.53	4.23	24.76	<=30	Pass
QPSK	3695	25	13	20.84	4.23	25.07	<=30	Pass
			25	20.60	4.23	24.83	<=30	Pass
			50	0	20.61	4.23	24.84	<=30
		1	0	14.26	4.23	18.49	<=30	Pass
			25	14.73	4.23	18.96	<=30	Pass
			49	14.35	4.23	18.58	<=30	Pass
		25	0	15.13	4.23	19.36	<=30	Pass



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			13	15.31	4.23	19.54	<=30	Pass
			25	15.34	4.23	19.57	<=30	Pass
			50	0	4.23	19.53	<=30	Pass
16QAM	3555	1	0	11.72	4.23	15.95	<=30	Pass
			25	12.01	4.23	16.24	<=30	Pass
			49	11.68	4.23	15.91	<=30	Pass
			0	10.85	4.23	15.08	<=30	Pass
			25	13	4.23	15.13	<=30	Pass
		25	25	10.92	4.23	15.15	<=30	Pass
			50	0	4.23	15.15	<=30	Pass
			0	12.07	4.23	16.30	<=30	Pass
			1	12.13	4.23	16.36	<=30	Pass
			49	11.96	4.23	16.19	<=30	Pass
	3625	1	0	19.40	4.23	23.63	<=30	Pass
			25	20.21	4.23	24.44	<=30	Pass
			25	20.26	4.23	24.49	<=30	Pass
			50	0	4.23	24.28	<=30	Pass
		25	0	14.39	4.23	18.62	<=30	Pass
			1	14.23	4.23	18.46	<=30	Pass
			49	13.75	4.23	17.98	<=30	Pass
			0	14.42	4.23	18.65	<=30	Pass
			25	14.44	4.23	18.67	<=30	Pass
		3695	25	14.14	4.23	18.37	<=30	Pass
			50	0	4.23	18.68	<=30	Pass
			0	14.45	4.23	18.68	<=30	Pass

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

### 1.1.6 B48\_10MHz\_PSD

Band: 48 / Bandwidth: 10MHz / NTV							Verdict	
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/MHz)	Gain (dBi)	E.I.R.PSD (dBm/MHz)		
		Size	Offset					
QPSK	3555	1	0	12.79	4.23	17.02	<=20	Pass
			25	12.94	4.23	17.17	<=20	Pass
			49	12.71	4.23	16.94	<=20	Pass
		25	0	6.06	4.23	10.29	<=20	Pass
			13	5.94	4.23	10.17	<=20	Pass
			25	6.18	4.23	10.41	<=20	Pass



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		50	0	3.00	4.23	7.23	<=20	Pass
3625	1	0	12.24	4.23	16.47	<=20	Pass	
		25	12.69	4.23	16.92	<=20	Pass	
		49	11.90	4.23	16.13	<=20	Pass	
		0	14.94	4.23	19.17	<=20	Pass	
	25	13	14.89	4.23	19.12	<=20	Pass	
		25	14.83	4.23	19.06	<=20	Pass	
		50	0	12.15	4.23	16.38	<=20	Pass
3695	1	0	14.41	4.23	18.64	<=20	Pass	
		25	14.47	4.23	18.70	<=20	Pass	
		49	14.36	4.23	18.59	<=20	Pass	
		0	9.70	4.23	13.93	<=20	Pass	
	25	13	9.66	4.23	13.89	<=20	Pass	
		25	9.65	4.23	13.88	<=20	Pass	
		50	0	6.87	4.23	11.10	<=20	Pass
16QAM	3555	1	0	12.49	4.23	16.72	<=20	Pass
			25	12.37	4.23	16.60	<=20	Pass
			49	12.07	4.23	16.30	<=20	Pass
		25	0	5.14	4.23	9.37	<=20	Pass
			13	5.22	4.23	9.45	<=20	Pass
			25	5.08	4.23	9.31	<=20	Pass
		50	0	2.07	4.23	6.30	<=20	Pass
	3625	1	0	12.38	4.23	16.61	<=20	Pass
			25	11.77	4.23	16.00	<=20	Pass
			49	11.85	4.23	16.08	<=20	Pass
		25	0	13.86	4.23	18.09	<=20	Pass
			13	14.18	4.23	18.41	<=20	Pass
			25	14.30	4.23	18.53	<=20	Pass
		50	0	11.25	4.23	15.48	<=20	Pass
	3695	1	0	14.81	4.23	19.04	<=20	Pass
			25	14.34	4.23	18.57	<=20	Pass
			49	14.57	4.23	18.80	<=20	Pass
		25	0	8.92	4.23	13.15	<=20	Pass
			13	8.22	4.23	12.45	<=20	Pass
			25	8.30	4.23	12.53	<=20	Pass
		50	0	5.59	4.23	9.82	<=20	Pass

Note1: PSD=Conducted Power+Antenna Gain



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**1.1.7 B48\_15MHz\_EIRP**

Band: 48 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3557.5	1	0	12.64	4.23	16.87	<=30	Pass
			38	12.76	4.23	16.99	<=30	Pass
			74	12.82	4.23	17.05	<=30	Pass
		36	0	11.70	4.23	15.93	<=30	Pass
			18	11.81	4.23	16.04	<=30	Pass
			39	11.93	4.23	16.16	<=30	Pass
	3625	1	0	11.88	4.23	16.11	<=30	Pass
			38	12.93	4.23	17.16	<=30	Pass
			74	13.14	4.23	17.37	<=30	Pass
		36	0	13.18	4.23	17.41	<=30	Pass
			18	22.04	4.23	26.27	<=30	Pass
			39	22.04	4.23	26.27	<=30	Pass
16QAM	3692.5	1	0	22.15	4.23	26.38	<=30	Pass
			75	0	22.07	4.23	26.30	<=30
		1	0	12.75	4.23	16.98	<=30	Pass
			38	12.92	4.23	17.15	<=30	Pass
			74	12.93	4.23	17.16	<=30	Pass
	3557.5	36	0	15.86	4.23	20.09	<=30	Pass
			18	16.03	4.23	20.26	<=30	Pass
			39	15.97	4.23	20.20	<=30	Pass
		75	0	15.96	4.23	20.19	<=30	Pass
			38	11.69	4.23	15.92	<=30	Pass
			74	11.85	4.23	16.08	<=30	Pass
	3625	36	0	11.82	4.23	16.05	<=30	Pass
			18	10.67	4.23	14.90	<=30	Pass
			39	10.84	4.23	15.07	<=30	Pass
		75	0	10.86	4.23	15.09	<=30	Pass
			0	10.79	4.23	15.02	<=30	Pass
			38	13.01	4.23	17.24	<=30	Pass
		1	38	13.20	4.23	17.43	<=30	Pass
			74	13.12	4.23	17.35	<=30	Pass
			0	21.02	4.23	25.25	<=30	Pass
		36	18	20.99	4.23	25.22	<=30	Pass

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3692.5		39	21.11	4.23	25.34	<=30	Pass
		75	0	4.23	25.26	<=30	Pass
	1	0	12.79	4.23	17.02	<=30	Pass
		38	12.75	4.23	16.98	<=30	Pass
		74	12.82	4.23	17.05	<=30	Pass
	36	0	14.85	4.23	19.08	<=30	Pass
		18	15.03	4.23	19.26	<=30	Pass
		39	14.98	4.23	19.21	<=30	Pass
	75	0	15.00	4.23	19.23	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.8 B48\_15MHz\_EIRP/10MHz

Band: 48 / Bandwidth: 15MHz / NTV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP/10MHz (dBm/10MHz)	Verdict		
		Size	Offset			Result			
QPSK	3557.5	1	0	12.50	4.23	16.73	<=30	Pass	
			38	12.65	4.23	16.88	<=30	Pass	
			74	12.60	4.23	16.83	<=30	Pass	
		36	0	11.41	4.23	15.64	<=30	Pass	
			18	11.62	4.23	15.85	<=30	Pass	
	3625	36	39	11.63	4.23	15.86	<=30	Pass	
			75	0	10.42	4.23	14.65	<=30	Pass
			0	12.26	4.23	16.49	<=30	Pass	
		1	38	12.21	4.23	16.44	<=30	Pass	
			74	12.12	4.23	16.35	<=30	Pass	
3692.5	3625	36	0	20.72	4.23	24.95	<=30	Pass	
			18	20.71	4.23	24.94	<=30	Pass	
			39	20.70	4.23	24.93	<=30	Pass	
		75	0	19.69	4.23	23.92	<=30	Pass	
			0	14.47	4.23	18.70	<=30	Pass	
	3692.5	1	38	14.66	4.23	18.89	<=30	Pass	
			74	14.53	4.23	18.76	<=30	Pass	
			0	15.20	4.23	19.43	<=30	Pass	
		36	18	15.35	4.23	19.58	<=30	Pass	
			39	15.15	4.23	19.38	<=30	Pass	
		75	0	13.94	4.23	18.17	<=30	Pass	



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16QAM	3557.5	1	0	11.38	4.23	15.61	<=30	Pass
			38	11.68	4.23	15.91	<=30	Pass
			74	11.65	4.23	15.88	<=30	Pass
		36	0	10.45	4.23	14.68	<=30	Pass
			18	10.61	4.23	14.84	<=30	Pass
			39	10.55	4.23	14.78	<=30	Pass
			75	0	9.24	4.23	13.47	<=30
	3625	1	0	12.29	4.23	16.52	<=30	Pass
			38	11.88	4.23	16.11	<=30	Pass
			74	12.00	4.23	16.23	<=30	Pass
		36	0	19.46	4.23	23.69	<=30	Pass
			18	19.89	4.23	24.12	<=30	Pass
			39	19.92	4.23	24.15	<=30	Pass
			75	0	18.13	4.23	22.36	<=30
	3692.5	1	0	13.99	4.23	18.22	<=30	Pass
			38	14.65	4.23	18.88	<=30	Pass
			74	14.28	4.23	18.51	<=30	Pass
		36	0	14.18	4.23	18.41	<=30	Pass
			18	14.37	4.23	18.60	<=30	Pass
			39	13.97	4.23	18.20	<=30	Pass
			75	0	12.91	4.23	17.14	<=30

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

### 1.1.9 B48\_15MHz\_PSD

Band: 48 / Bandwidth: 15MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/MHz)	Gain (dBi)	E.I.R.PSD (dBm/MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	3557.5	1	0	12.49	4.23	16.72	<=20	Pass
			38	12.59	4.23	16.82	<=20	Pass
			74	12.95	4.23	17.18	<=20	Pass
		36	0	4.15	4.23	8.38	<=20	Pass
			18	4.10	4.23	8.33	<=20	Pass
			39	4.56	4.23	8.79	<=20	Pass
		75	0	1.19	4.23	5.42	<=20	Pass
			0	12.57	4.23	16.80	<=20	Pass
	3625	1	38	12.58	4.23	16.81	<=20	Pass



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	3692.5	74	11.93	4.23	16.16	<=20	Pass	
		0	13.53	4.23	17.76	<=20	Pass	
		36	13.74	4.23	17.97	<=20	Pass	
		18	13.21	4.23	17.44	<=20	Pass	
		39	10.62	4.23	14.85	<=20	Pass	
		75	0	14.91	4.23	19.14	<=20	Pass
		1	14.46	4.23	18.69	<=20	Pass	
		74	14.30	4.23	18.53	<=20	Pass	
	3692.5	0	7.66	4.23	11.89	<=20	Pass	
		36	8.07	4.23	12.30	<=20	Pass	
		18	7.83	4.23	12.06	<=20	Pass	
		39	4.82	4.23	9.05	<=20	Pass	
		75	0	11.74	4.23	15.97	<=20	Pass
		1	11.72	4.23	15.95	<=20	Pass	
		74	11.49	4.23	15.72	<=20	Pass	
		0	3.10	4.23	7.33	<=20	Pass	
16QAM	3557.5	36	3.20	4.23	7.43	<=20	Pass	
		18	3.32	4.23	7.55	<=20	Pass	
		39	0.24	4.23	4.47	<=20	Pass	
		75	0	11.83	4.23	16.06	<=20	Pass
		1	12.40	4.23	16.63	<=20	Pass	
		74	11.76	4.23	15.99	<=20	Pass	
		0	12.55	4.23	16.78	<=20	Pass	
		36	12.35	4.23	16.58	<=20	Pass	
	3625	39	12.76	4.23	16.99	<=20	Pass	
		75	0	8.93	4.23	13.16	<=20	Pass
		0	14.62	4.23	18.85	<=20	Pass	
		1	14.68	4.23	18.91	<=20	Pass	
		74	14.43	4.23	18.66	<=20	Pass	
		0	6.88	4.23	11.11	<=20	Pass	
		36	7.01	4.23	11.24	<=20	Pass	
		18	7.06	4.23	11.29	<=20	Pass	
	3692.5	39	3.71	4.23	7.94	<=20	Pass	
		75	0	14.43	4.23	18.66	<=20	Pass

Note1: PSD=Conducted Power+Antenna Gain

### 1.1.10 B48\_20MHz\_EIRP

Band: 48 / Bandwidth: 20MHz / NTVN
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Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	3560	1	0	12.73	4.23	16.96	<=30	Pass	
			50	12.89	4.23	17.12	<=30	Pass	
			99	12.91	4.23	17.14	<=30	Pass	
		50	0	11.68	4.23	15.91	<=30	Pass	
			25	11.90	4.23	16.13	<=30	Pass	
			50	11.90	4.23	16.13	<=30	Pass	
	3625	1	0	11.83	4.23	16.06	<=30	Pass	
			50	13.00	4.23	17.23	<=30	Pass	
			99	13.19	4.23	17.42	<=30	Pass	
		50	0	21.99	4.23	26.22	<=30	Pass	
			25	22.07	4.23	26.30	<=30	Pass	
			50	22.16	4.23	26.39	<=30	Pass	
16QAM	3690	1	0	22.04	4.23	26.27	<=30	Pass	
			50	12.85	4.23	17.08	<=30	Pass	
			99	12.98	4.23	17.21	<=30	Pass	
		50	0	12.90	4.23	17.13	<=30	Pass	
			25	15.89	4.23	20.12	<=30	Pass	
			50	15.91	4.23	20.14	<=30	Pass	
	3560	1	0	16.03	4.23	20.26	<=30	Pass	
			50	0	15.95	4.23	20.18	<=30	Pass
			99	0	10.63	4.23	15.86	<=30	Pass
		50	50	11.83	4.23	16.06	<=30	Pass	
			99	11.83	4.23	16.06	<=30	Pass	
			0	10.70	4.23	14.93	<=30	Pass	
16QAM	3625	1	25	10.89	4.23	15.12	<=30	Pass	
			50	10.95	4.23	15.18	<=30	Pass	
			100	0	10.91	4.23	15.14	<=30	Pass
		1	0	12.90	4.23	17.13	<=30	Pass	
			50	13.12	4.23	17.35	<=30	Pass	
			99	13.09	4.23	17.32	<=30	Pass	
	3560	50	0	20.99	4.23	25.22	<=30	Pass	
			25	21.09	4.23	25.32	<=30	Pass	
			50	21.19	4.23	25.42	<=30	Pass	
		100	0	21.08	4.23	25.31	<=30	Pass	

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3690	1	0	12.69	4.23	16.92	<=30	Pass	
		50	12.82	4.23	17.05	<=30	Pass	
		99	12.90	4.23	17.13	<=30	Pass	
		50	0	14.87	4.23	19.10	<=30	Pass
			25	14.98	4.23	19.21	<=30	Pass
			50	15.07	4.23	19.30	<=30	Pass
		100	0	14.92	4.23	19.15	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.11 B48\_20MHz\_EIRP/10MHz

Band: 48 / Bandwidth: 20MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP/10MHz (dBm/10MHz)	Verdict		
		Size	Offset			Result			
QPSK	3560	1	0	12.75	4.23	16.98	<=30	Pass	
			50	12.68	4.23	16.91	<=30	Pass	
			99	12.93	4.23	17.16	<=30	Pass	
		50	0	11.46	4.23	15.69	<=30	Pass	
			25	11.60	4.23	15.83	<=30	Pass	
	3625	1	50	11.75	4.23	15.98	<=30	Pass	
			100	0	9.10	4.23	13.33	<=30	Pass
			0	12.29	4.23	16.52	<=30	Pass	
		50	50	12.50	4.23	16.73	<=30	Pass	
			99	12.52	4.23	16.75	<=30	Pass	
16QAM	3690	1	0	21.52	4.23	25.75	<=30	Pass	
			25	21.12	4.23	25.35	<=30	Pass	
			50	21.06	4.23	25.29	<=30	Pass	
		50	0	18.54	4.23	22.77	<=30	Pass	
			100	0	18.54	4.23	22.77	<=30	Pass
	3560	1	0	14.13	4.23	18.36	<=30	Pass	
			50	14.02	4.23	18.25	<=30	Pass	
			99	14.22	4.23	18.45	<=30	Pass	
		50	0	14.81	4.23	19.04	<=30	Pass	
			25	15.35	4.23	19.58	<=30	Pass	

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	3625	99	11.91	4.23	16.14	<=30	Pass
		0	10.64	4.23	14.87	<=30	Pass
		50	25	4.23	15.05	<=30	Pass
		50	10.70	4.23	14.93	<=30	Pass
		100	0	4.23	12.49	<=30	Pass
	3690	0	11.81	4.23	16.04	<=30	Pass
		1	50	4.23	16.48	<=30	Pass
		99	12.41	4.23	16.64	<=30	Pass
		0	20.26	4.23	24.49	<=30	Pass
		50	25	4.23	24.37	<=30	Pass
	3690	50	20.19	4.23	24.42	<=30	Pass
		100	0	4.23	22.33	<=30	Pass
		0	14.20	4.23	18.43	<=30	Pass
		1	50	4.23	18.22	<=30	Pass
		99	14.04	4.23	18.27	<=30	Pass

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

### 1.1.12 B48\_20MHz\_PSD

Band: 48 / Bandwidth: 20MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/MHz)	Gain (dBi)	E.I.R.PSD (dBm/MHz)	Verdict	
		Size	Offset			Result		
QPSK	3560	1	0	12.83	4.23	17.06	<=20	Pass
			50	12.84	4.23	17.07	<=20	Pass
			99	12.52	4.23	16.75	<=20	Pass
		50	0	2.65	4.23	6.88	<=20	Pass
			25	2.89	4.23	7.12	<=20	Pass
			50	3.04	4.23	7.27	<=20	Pass
	3625	100	0	0.00	4.23	4.23	<=20	Pass
		1	0	12.24	4.23	16.47	<=20	Pass
			50	12.78	4.23	17.01	<=20	Pass
			99	12.22	4.23	16.45	<=20	Pass
		50	0	12.13	4.23	16.36	<=20	Pass



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	3690		25	12.45	4.23	16.68	<=20	Pass
			50	12.46	4.23	16.69	<=20	Pass
		100	0	9.31	4.23	13.54	<=20	Pass
			0	14.20	4.23	18.43	<=20	Pass
		1	50	14.19	4.23	18.42	<=20	Pass
			99	14.40	4.23	18.63	<=20	Pass
			0	6.55	4.23	10.78	<=20	Pass
		50	25	6.38	4.23	10.61	<=20	Pass
			50	7.05	4.23	11.28	<=20	Pass
		100	0	3.45	4.23	7.68	<=20	Pass
16QAM	3560		0	11.61	4.23	15.84	<=20	Pass
		1	50	11.77	4.23	16.00	<=20	Pass
			99	11.58	4.23	15.81	<=20	Pass
			0	2.15	4.23	6.38	<=20	Pass
		50	25	2.01	4.23	6.24	<=20	Pass
			50	2.35	4.23	6.58	<=20	Pass
	3625	100	0	-0.75	4.23	3.48	<=20	Pass
			0	11.64	4.23	15.87	<=20	Pass
		1	50	12.33	4.23	16.56	<=20	Pass
			99	12.30	4.23	16.53	<=20	Pass
			0	11.37	4.23	15.60	<=20	Pass
		50	25	11.40	4.23	15.63	<=20	Pass
	3690		50	11.79	4.23	16.02	<=20	Pass
		100	0	8.29	4.23	12.52	<=20	Pass
			0	13.92	4.23	18.15	<=20	Pass
		1	50	13.86	4.23	18.09	<=20	Pass
			99	14.30	4.23	18.53	<=20	Pass
			0	5.47	4.23	9.70	<=20	Pass
		50	25	5.20	4.23	9.43	<=20	Pass
			50	5.65	4.23	9.88	<=20	Pass
		100	0	2.48	4.23	6.71	<=20	Pass

Note1: PSD=Conducted Power+Antenna Gain



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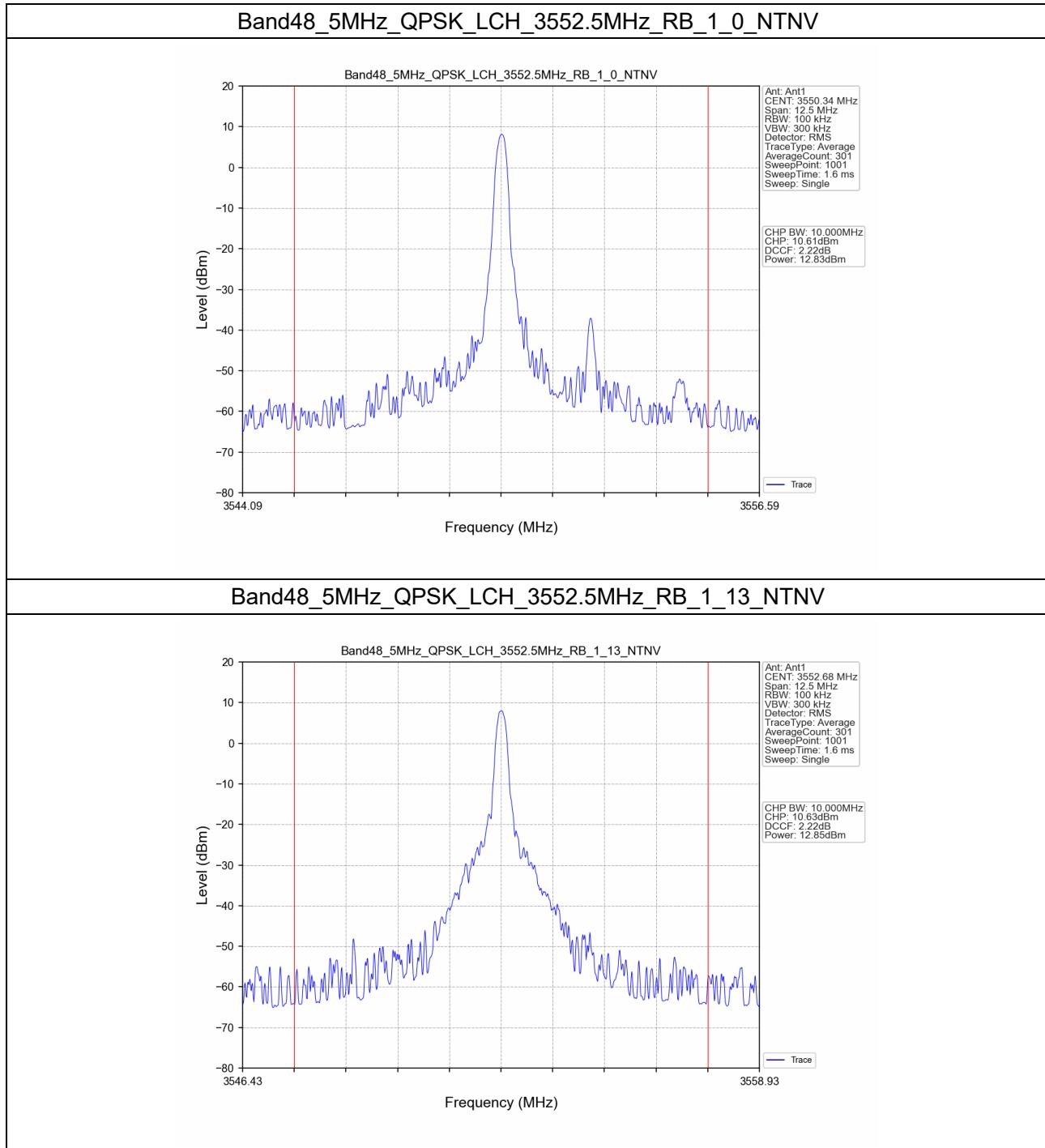
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## 1.2 Test Graph

## 1.2.1 B48\_5MHz\_EIRP/10MHz

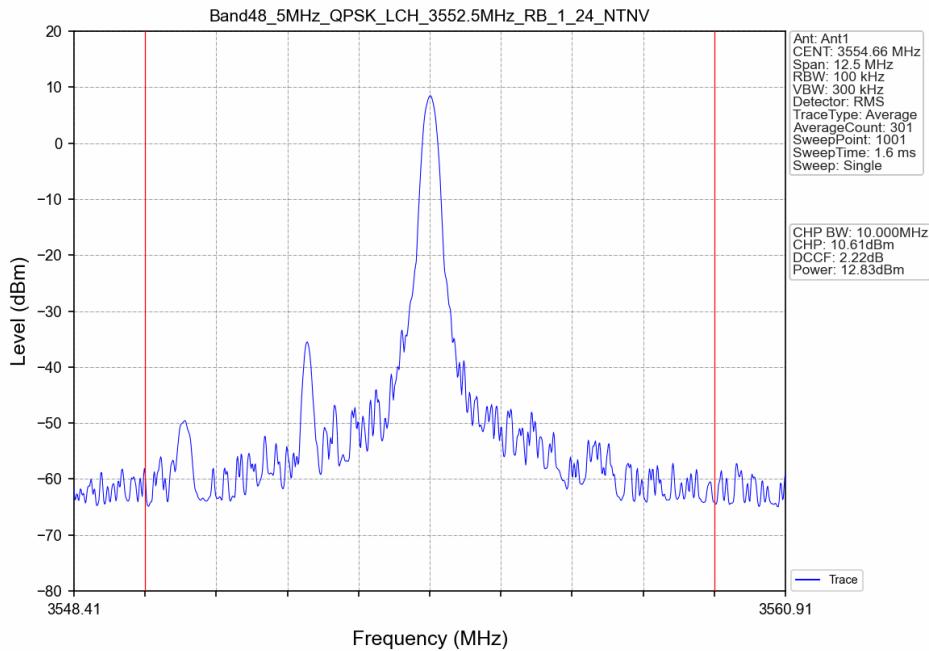
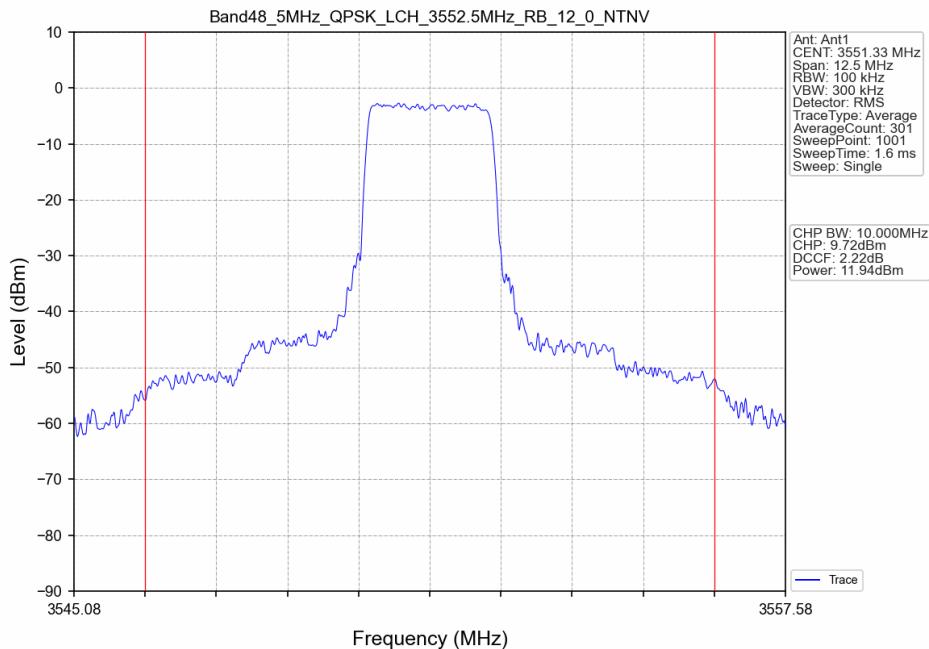


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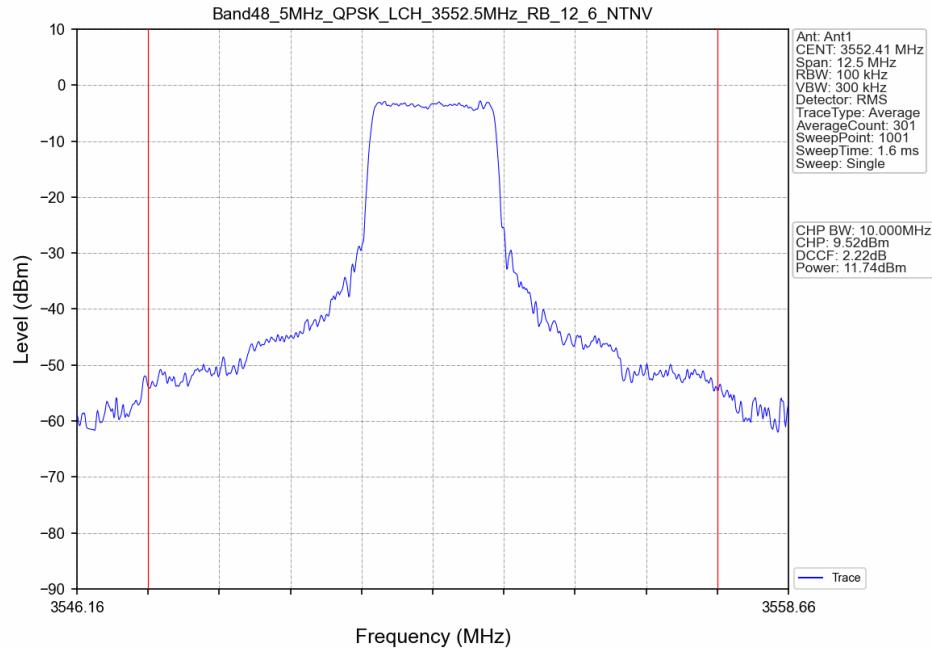
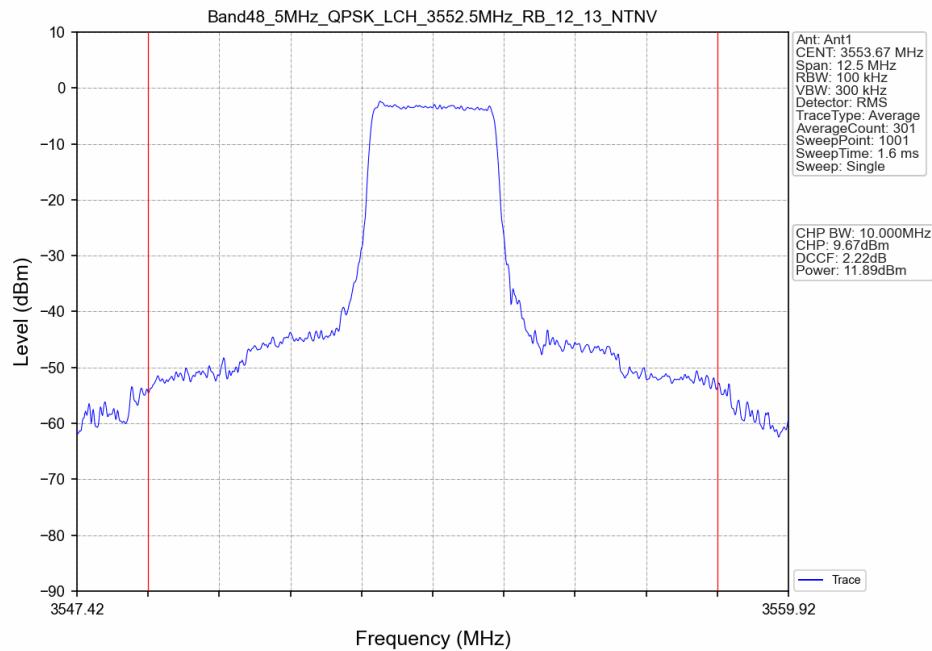
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**Band48\_5MHz\_QPSK\_LCH\_3552.5MHz\_RB\_1\_24\_NTNV****Band48\_5MHz\_QPSK\_LCH\_3552.5MHz\_RB\_12\_0\_NTNV**

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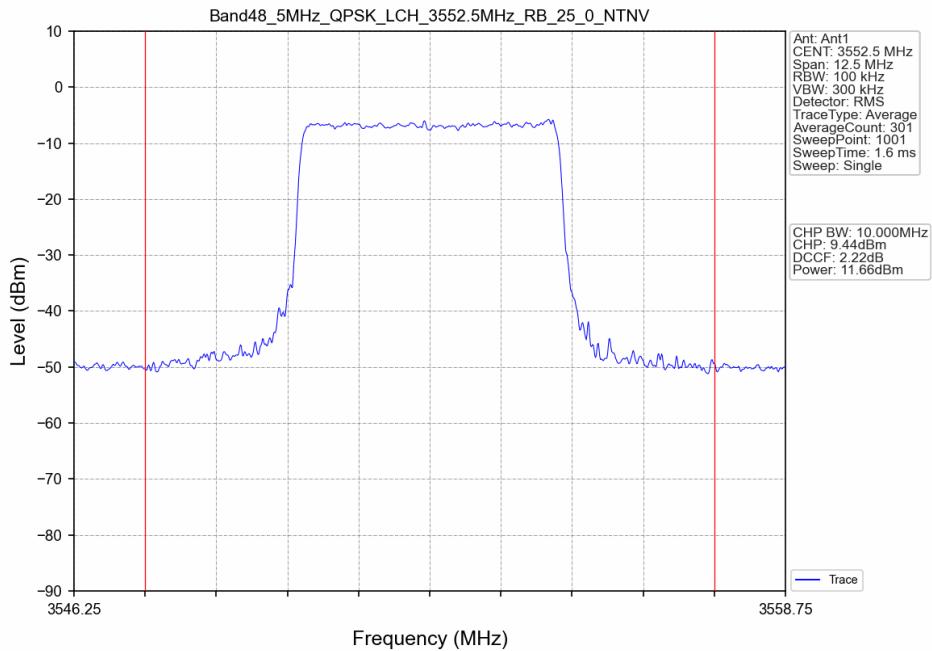
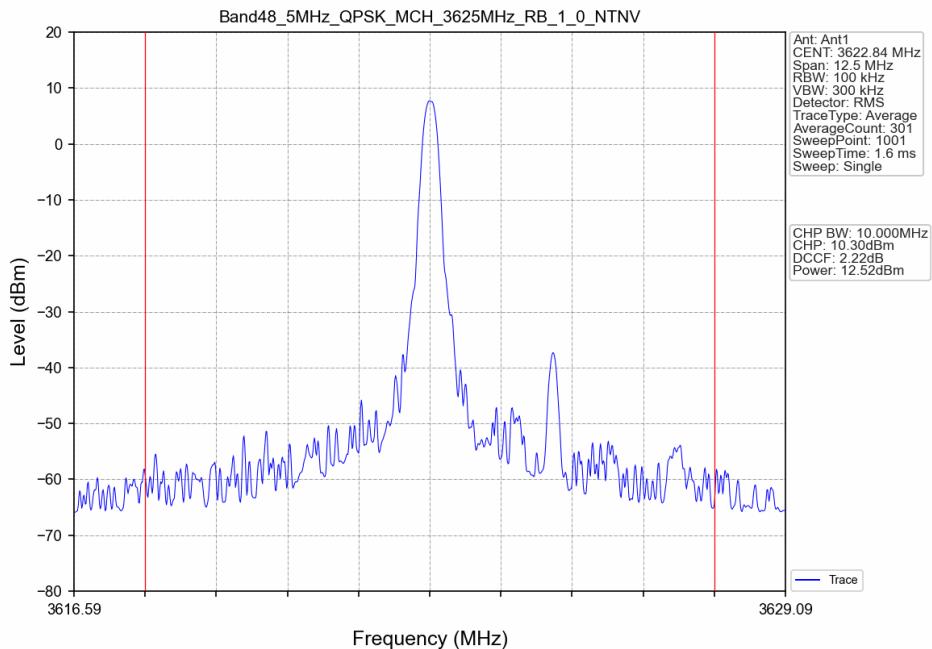
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**Band48\_5MHz\_QPSK\_LCH\_3552.5MHz\_RB\_12\_6\_NTNV****Band48\_5MHz\_QPSK\_LCH\_3552.5MHz\_RB\_12\_13\_NTNV**

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**Band48\_5MHz\_QPSK\_LCH\_3552.5MHz\_RB\_25\_0\_NTNV****Band48\_5MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV**

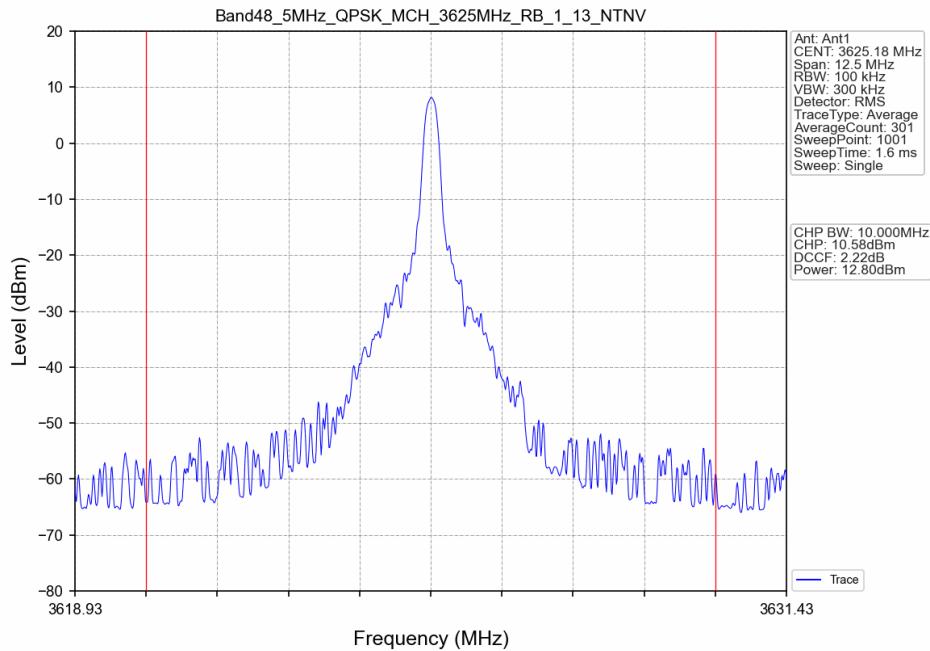
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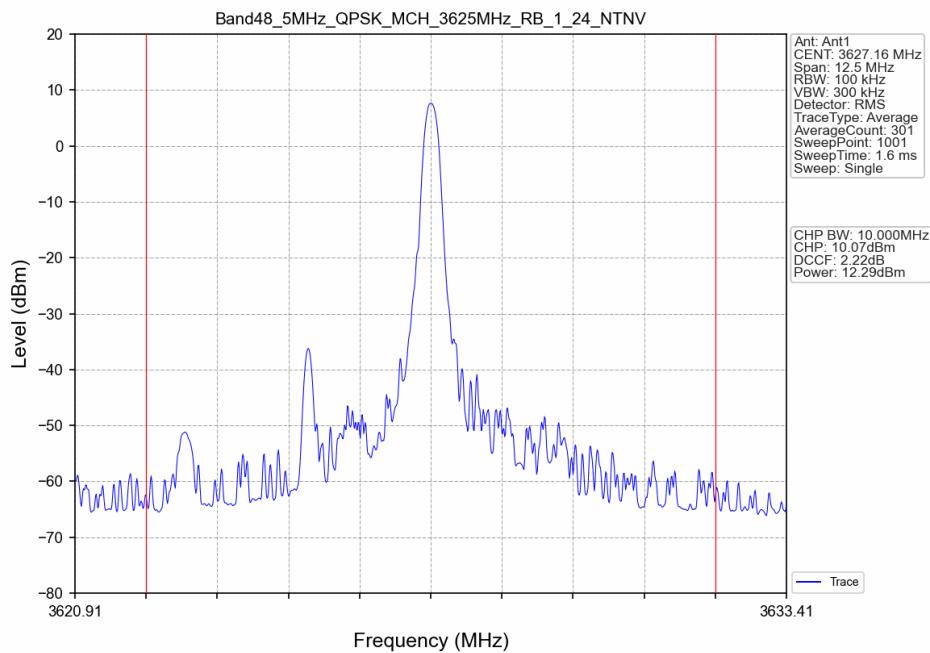
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## Band48\_5MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_13\_NTNV



## Band48\_5MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_24\_NTNV

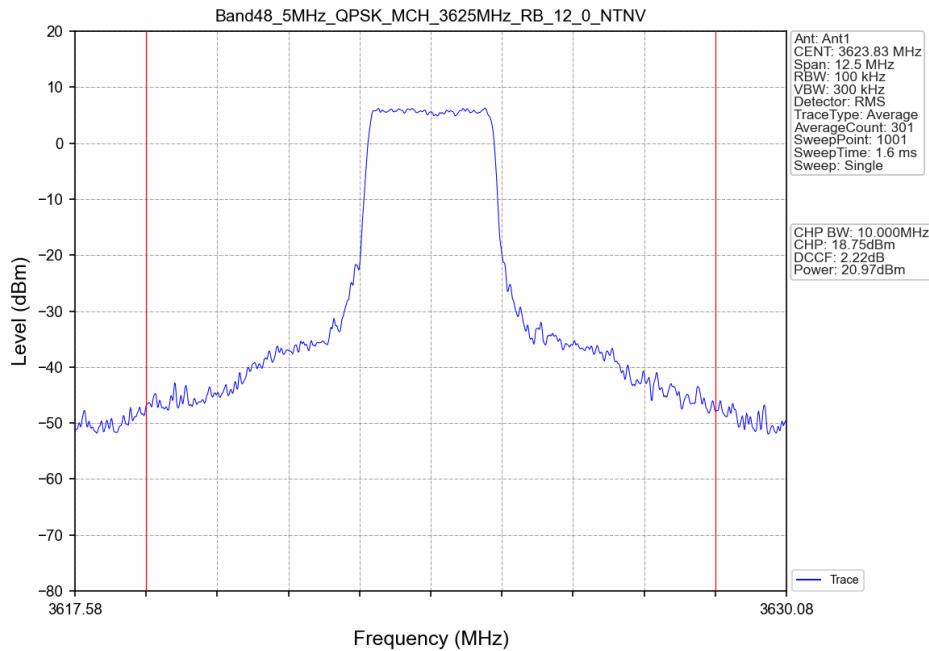


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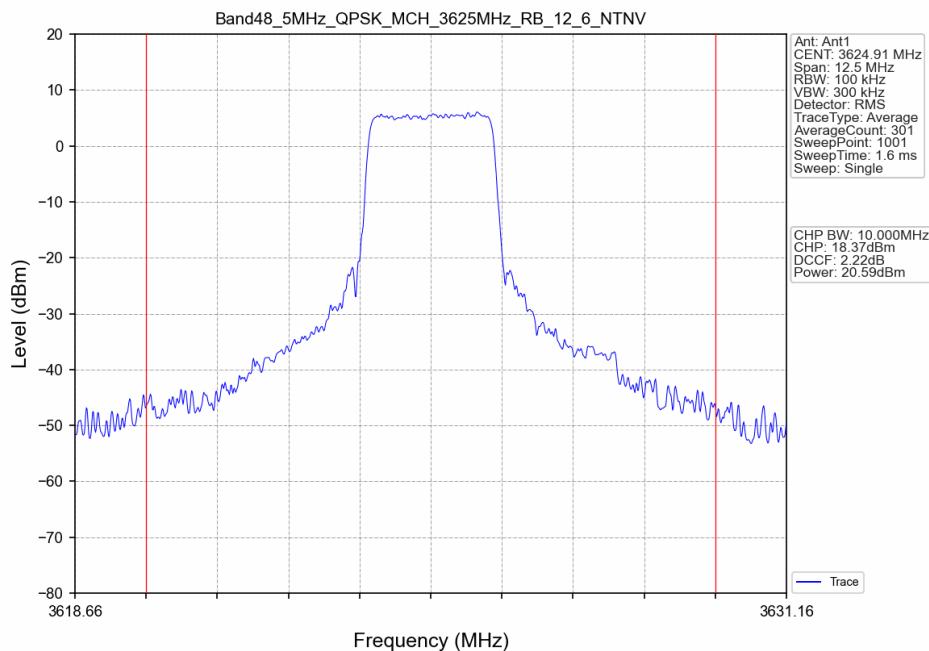
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## Band48\_5MHz\_QPSK\_MCH\_3625MHz\_RB\_12\_0\_NTNV



## Band48\_5MHz\_QPSK\_MCH\_3625MHz\_RB\_12\_6\_NTNV

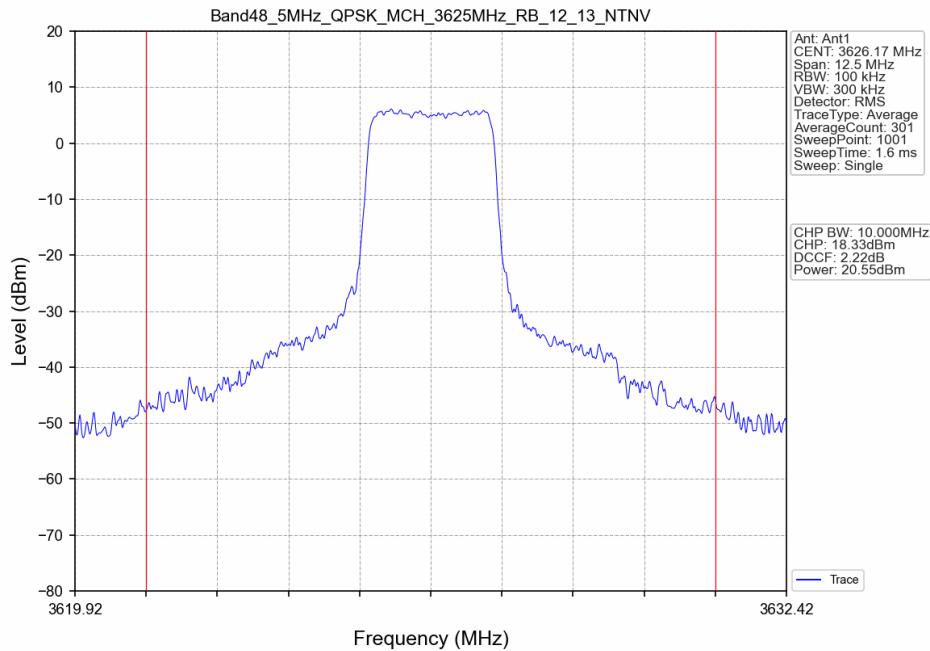
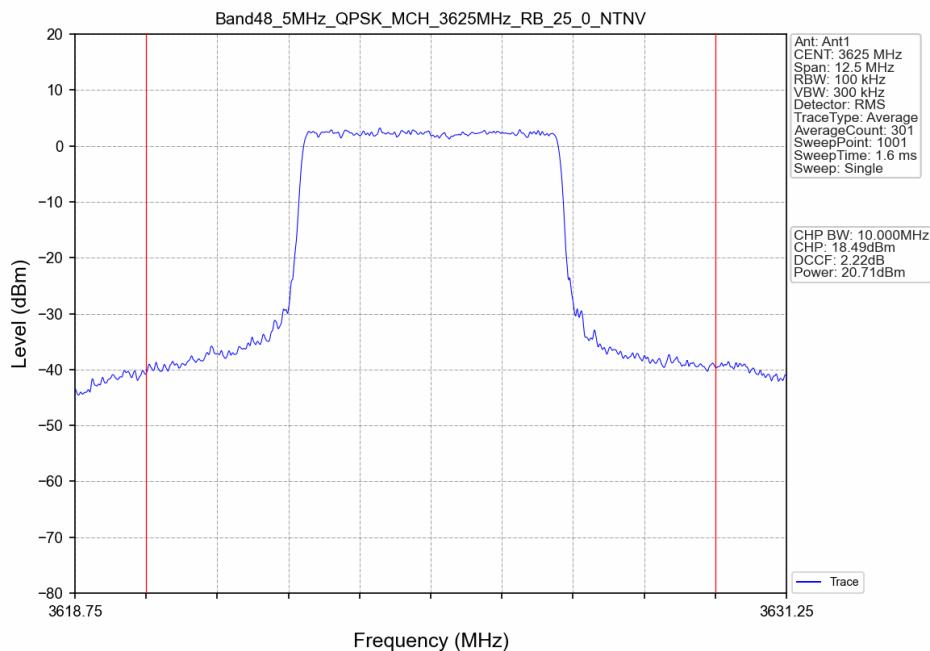


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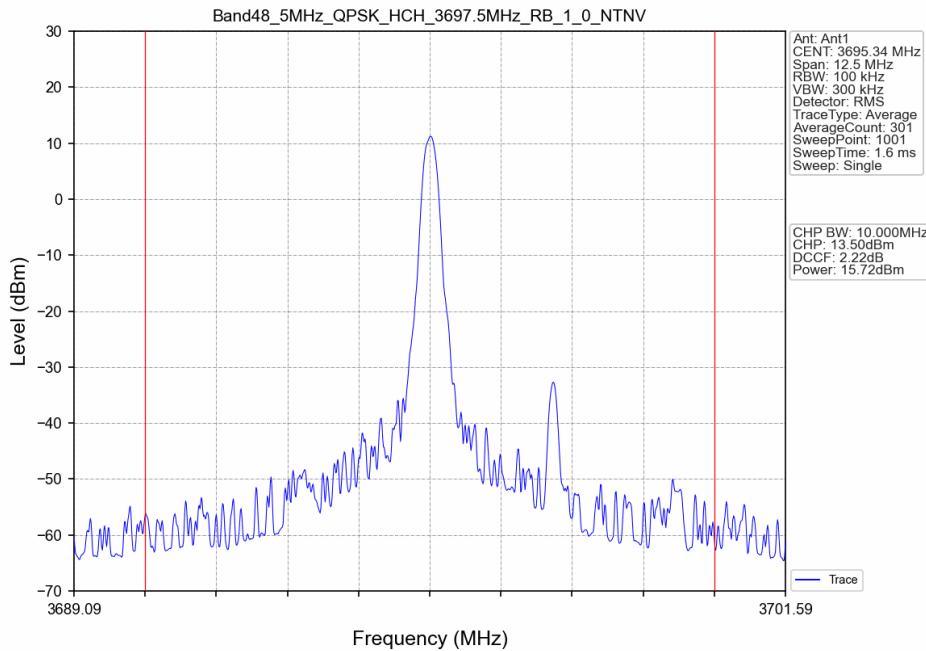
**Band48\_5MHz\_QPSK\_MCH\_3625MHz\_RB\_12\_13\_NTNV****Band48\_5MHz\_QPSK\_MCH\_3625MHz\_RB\_25\_0\_NTNV**

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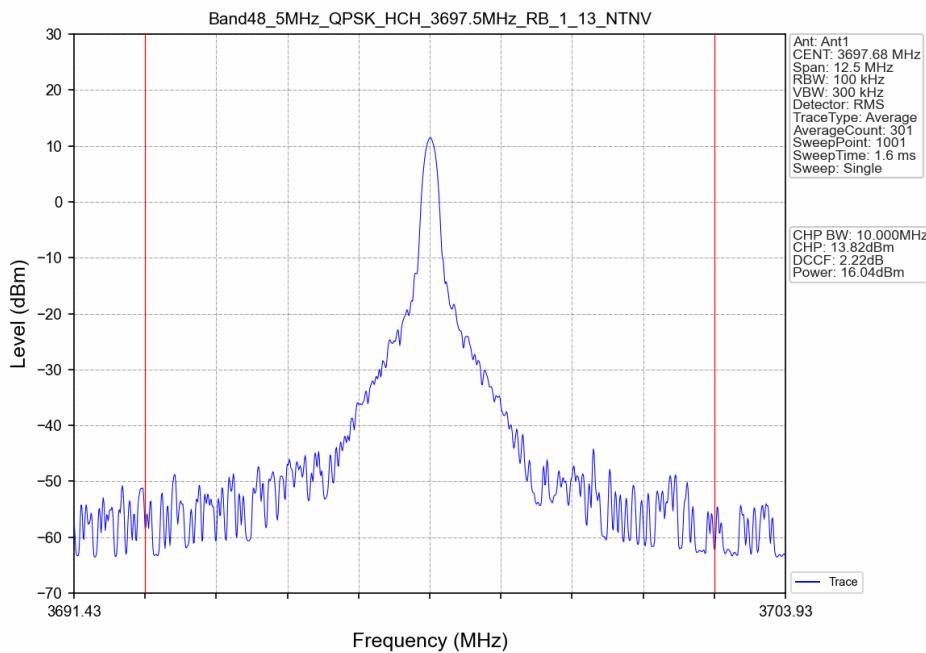
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## Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_1\_0\_NTNV



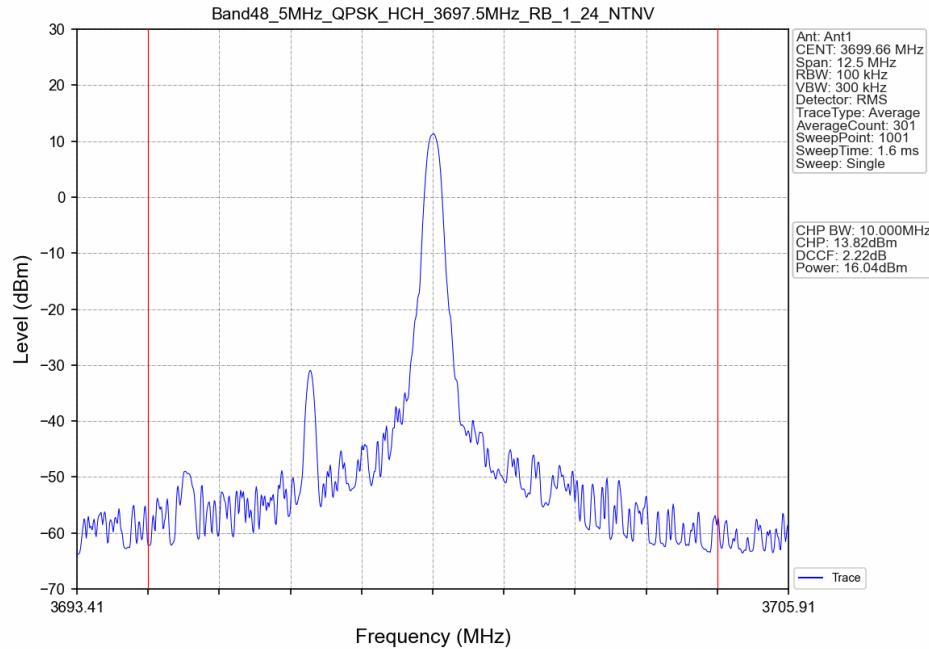
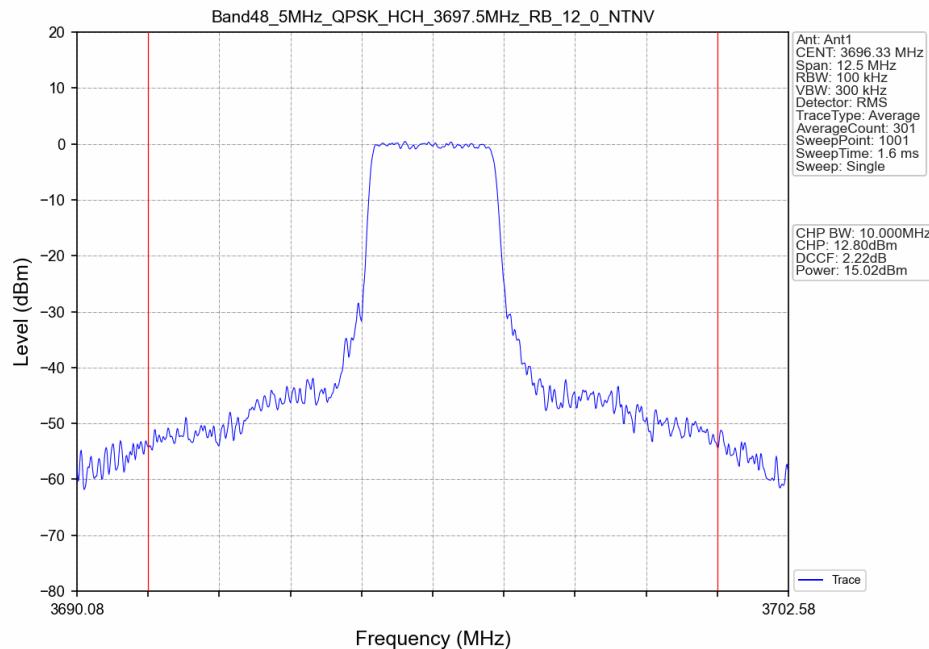
## Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_1\_13\_NTNV



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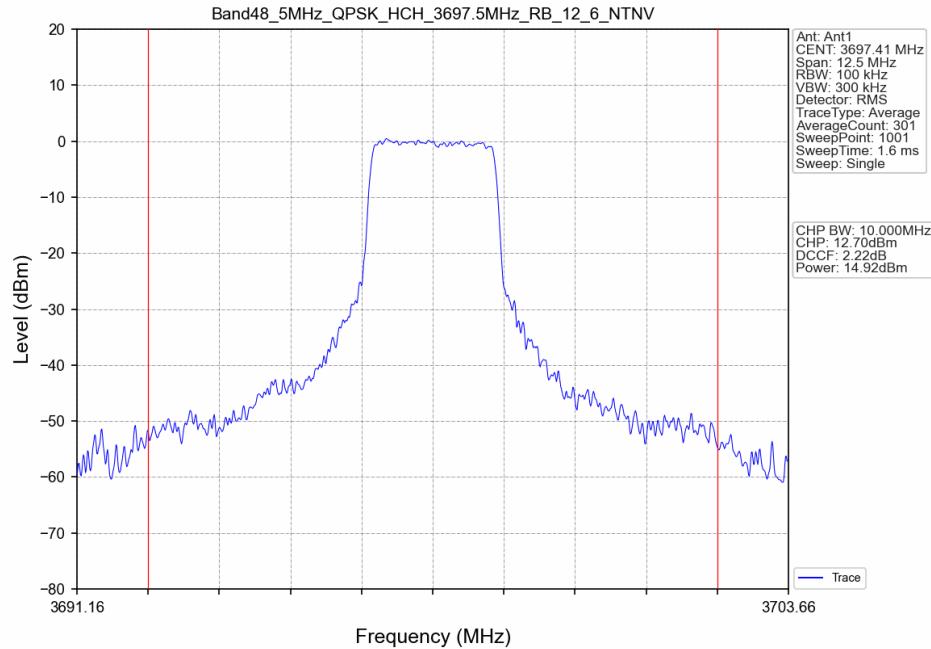
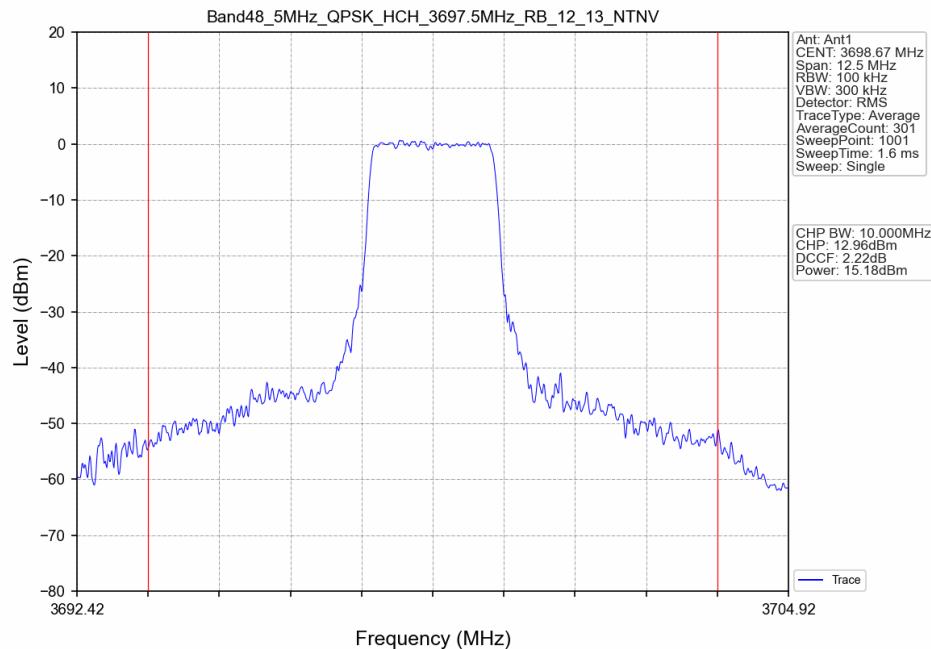
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**Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_1\_24\_NTNV****Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_12\_0\_NTNV**

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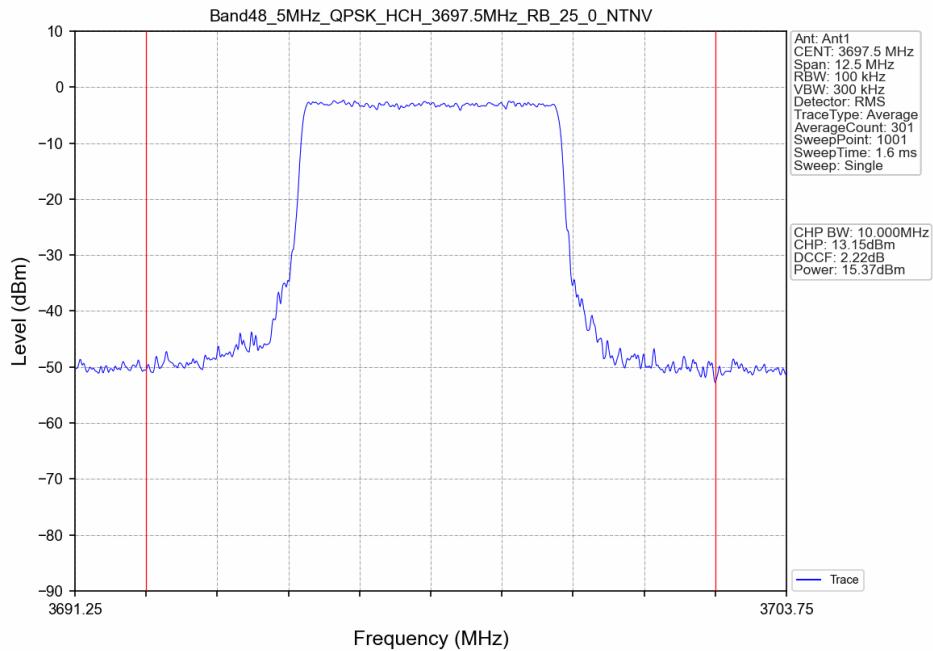
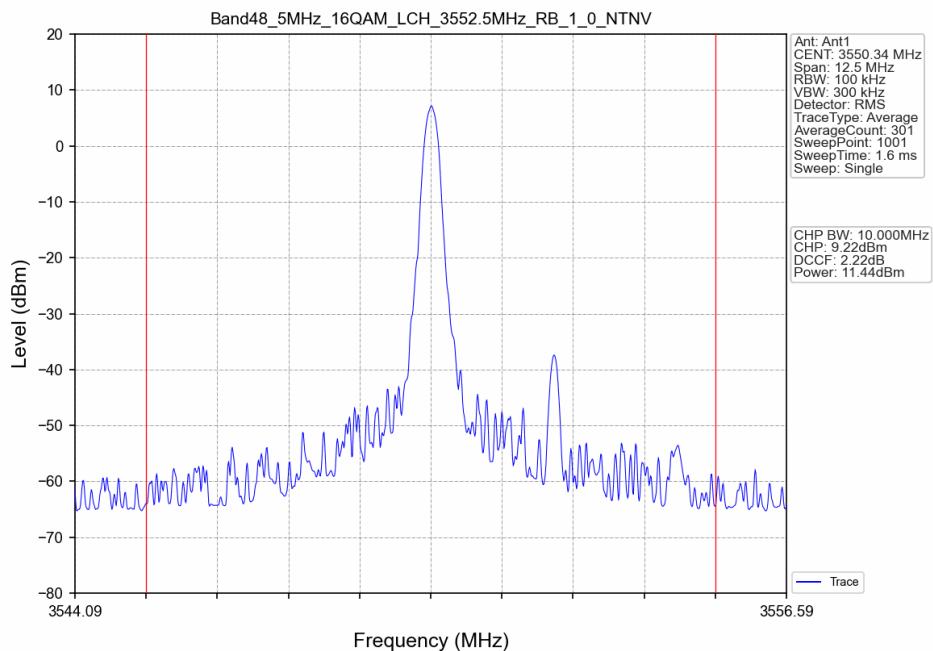
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**Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_12\_6\_NTNV****Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_12\_13\_NTNV**

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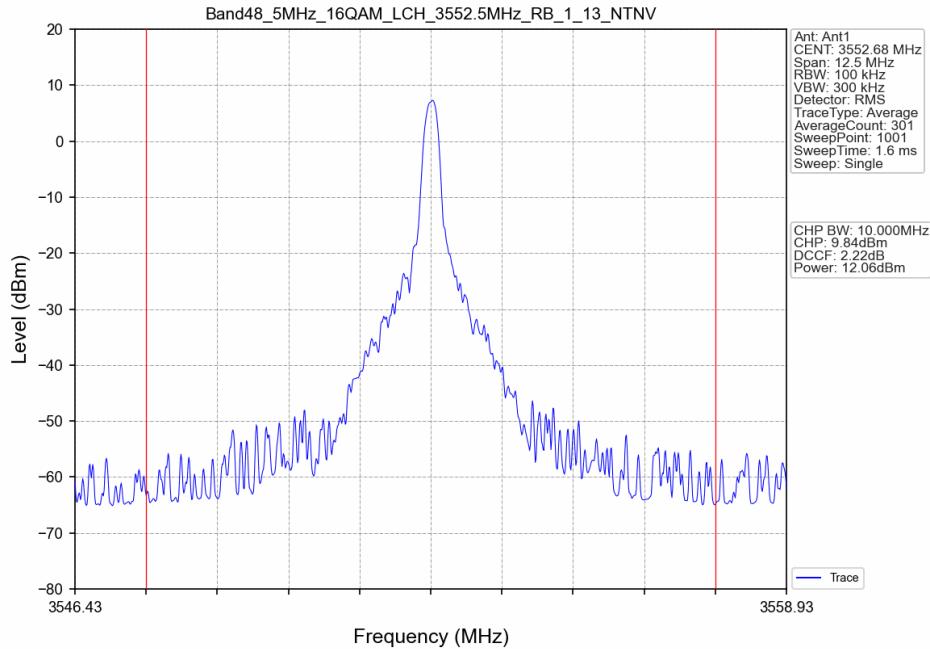
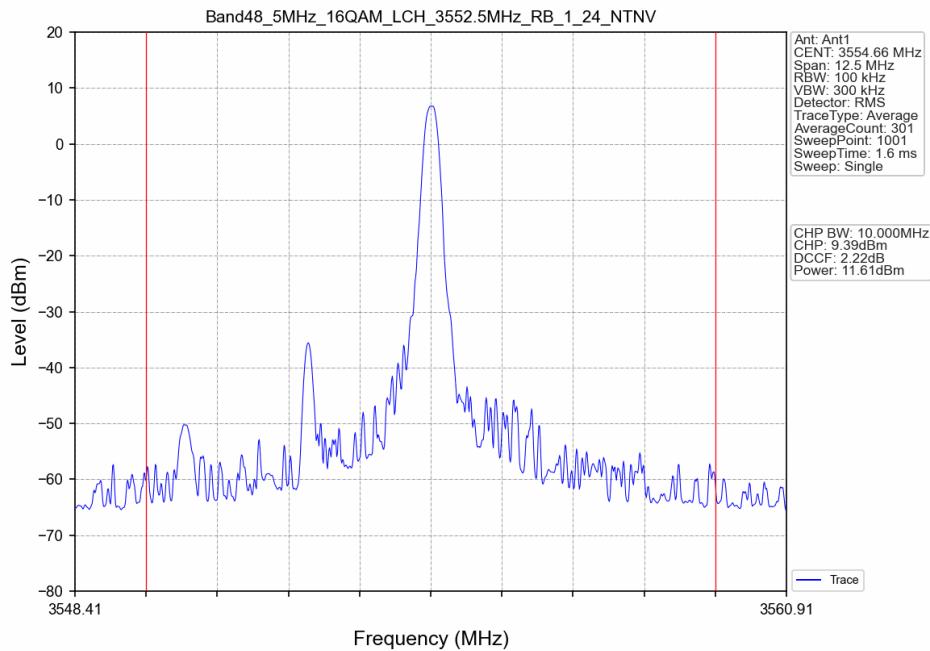
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**Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_25\_0\_NTNV****Band48\_5MHz\_16QAM\_LCH\_3552.5MHz\_RB\_1\_0\_NTNV**

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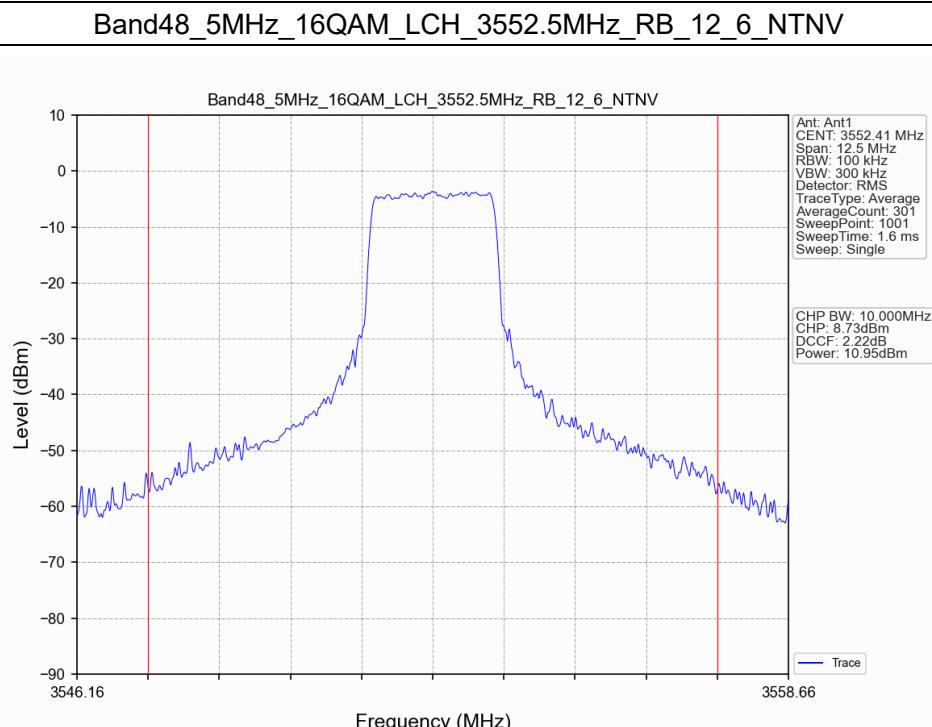
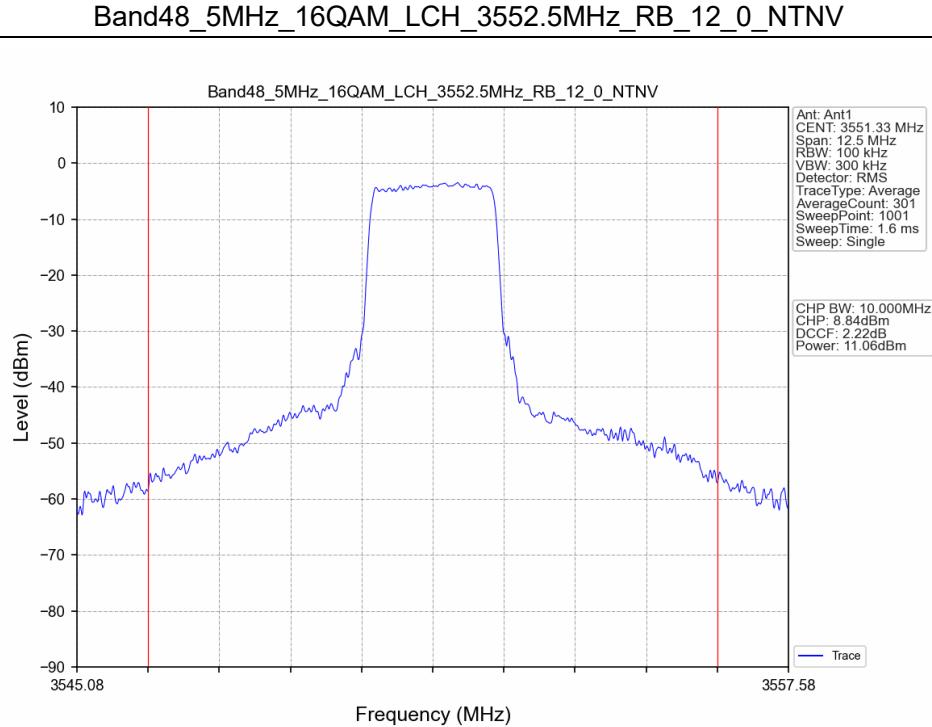
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**Band48\_5MHz\_16QAM\_LCH\_3552.5MHz\_RB\_1\_13\_NTNV****Band48\_5MHz\_16QAM\_LCH\_3552.5MHz\_RB\_1\_24\_NTNV**

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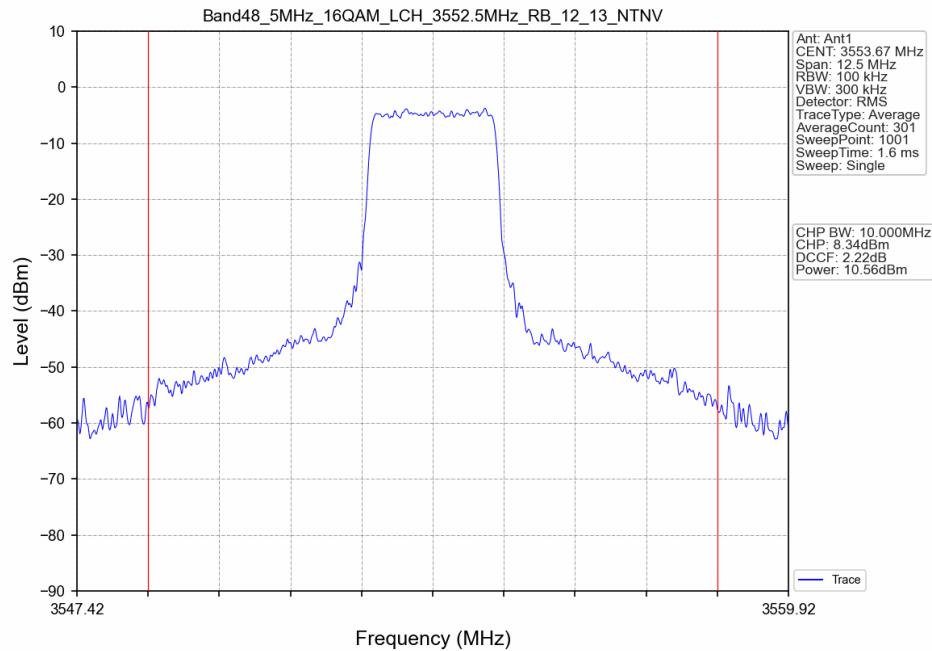
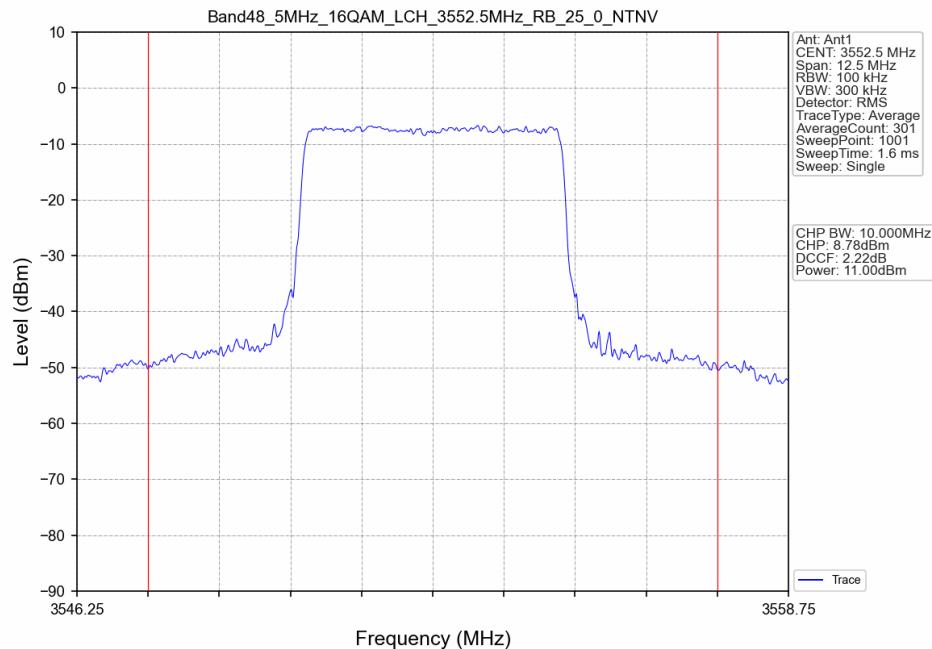


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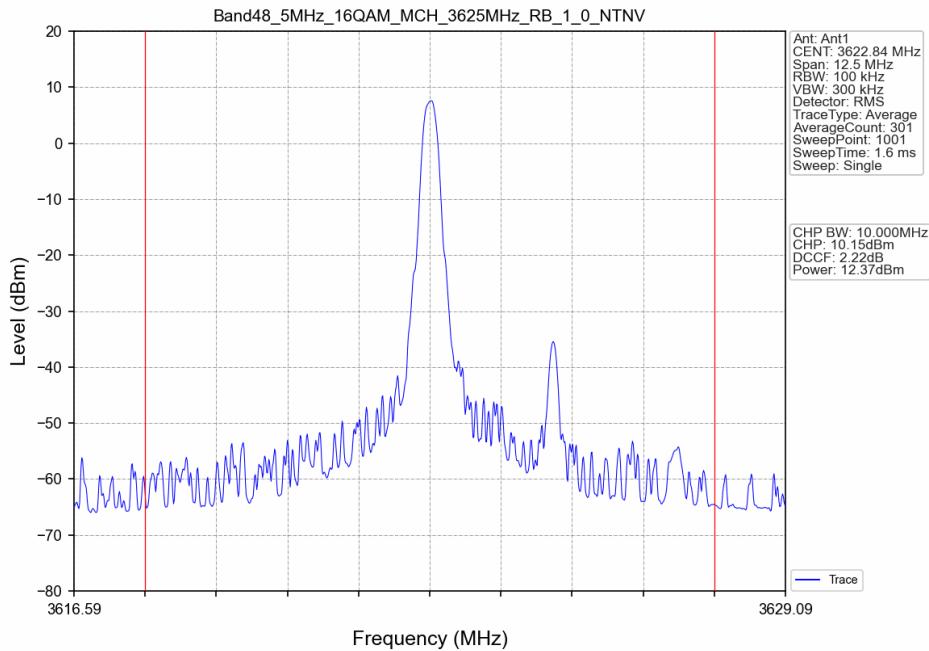
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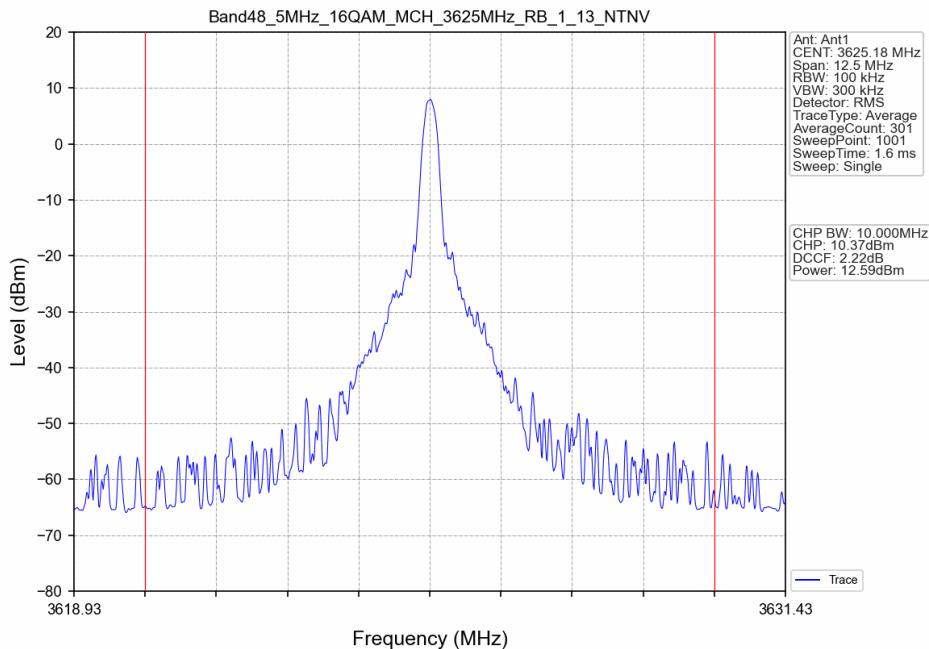
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## Band48\_5MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV



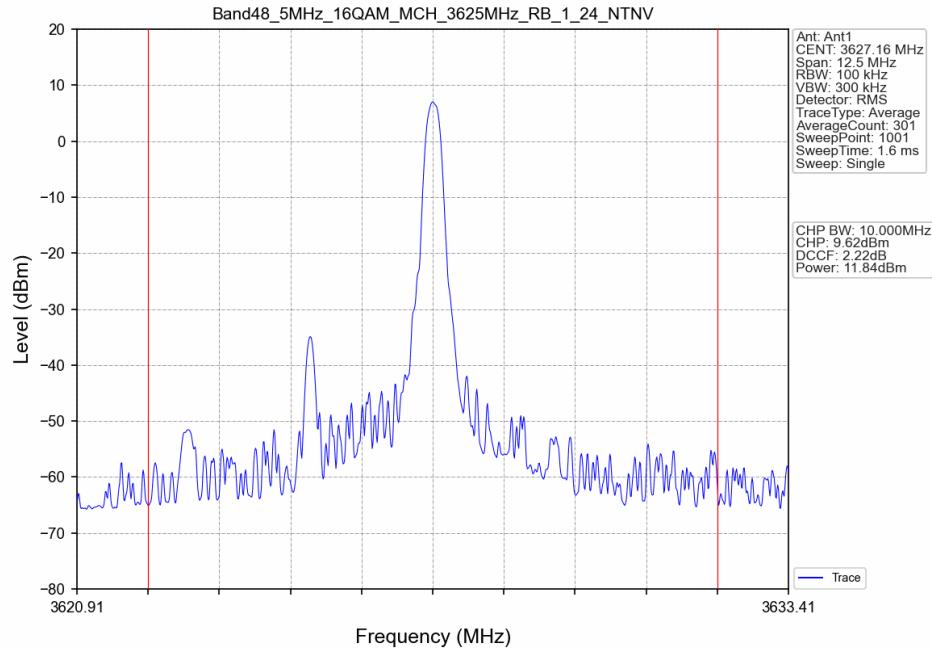
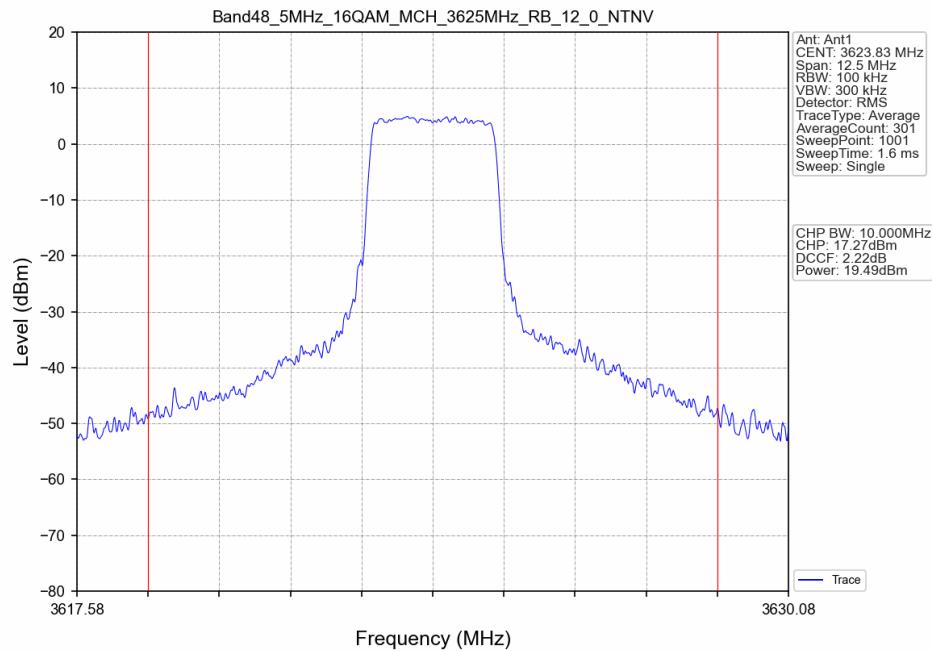
## Band48\_5MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_13\_NTNV



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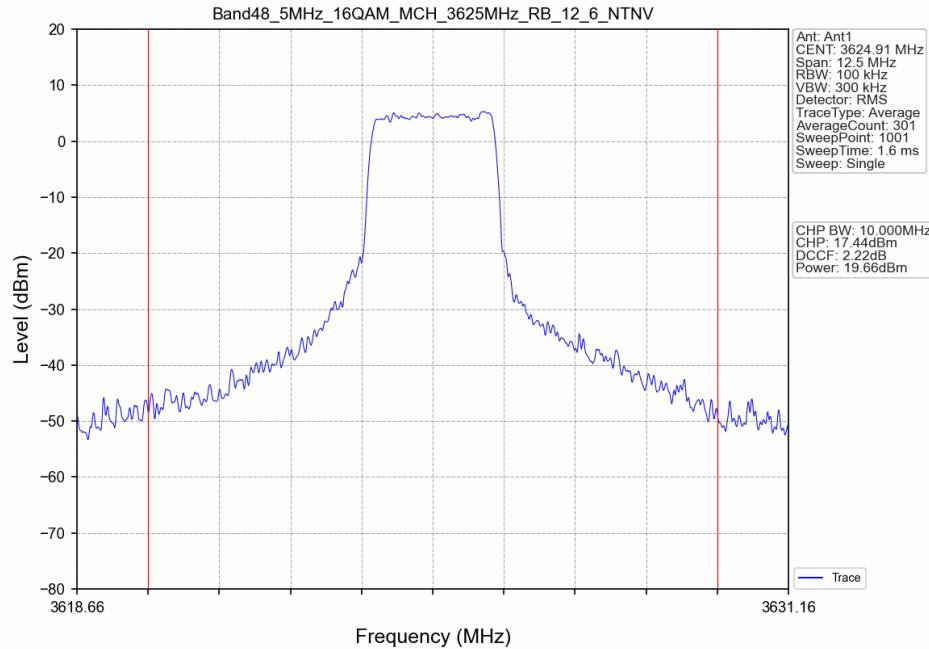
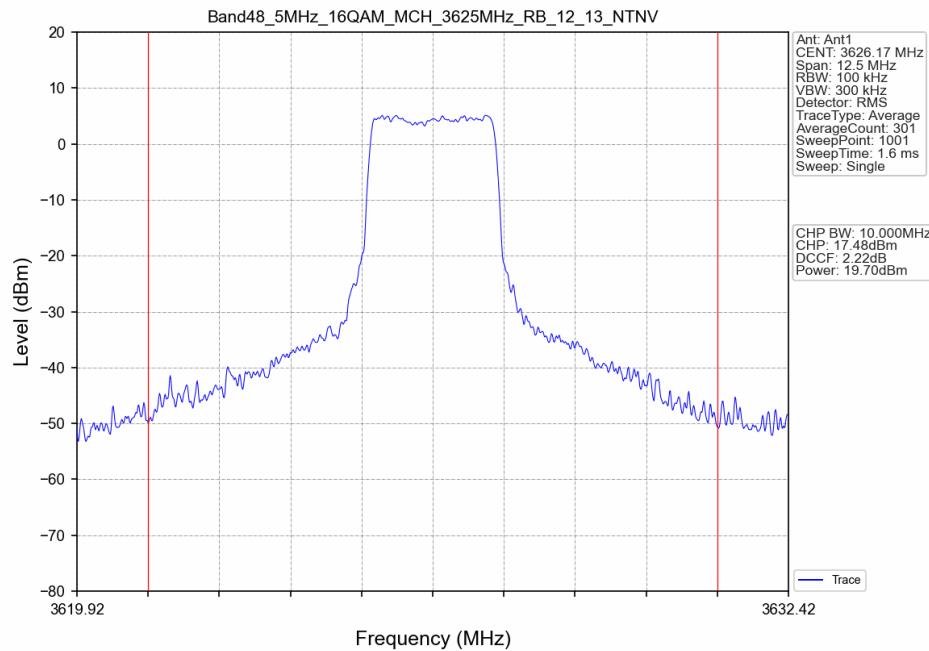
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**Band48\_5MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_24\_NTNV****Band48\_5MHz\_16QAM\_MCH\_3625MHz\_RB\_12\_0\_NTNV**

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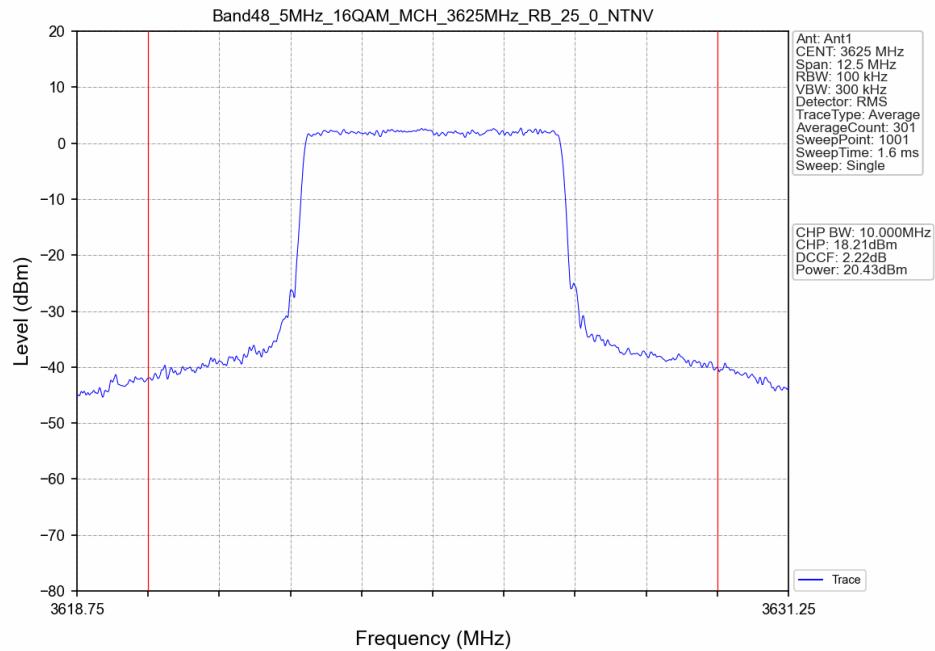
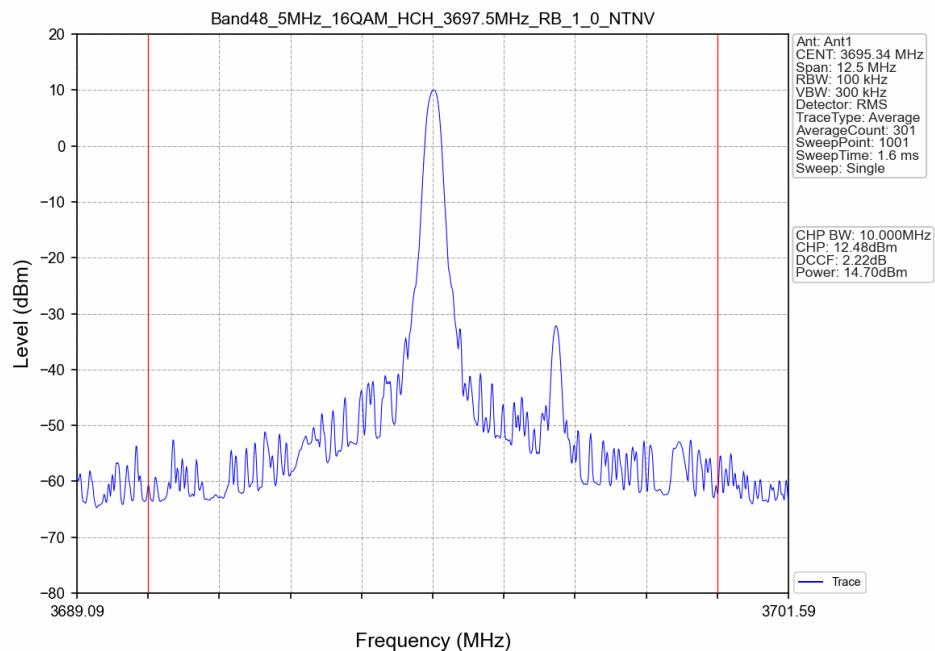
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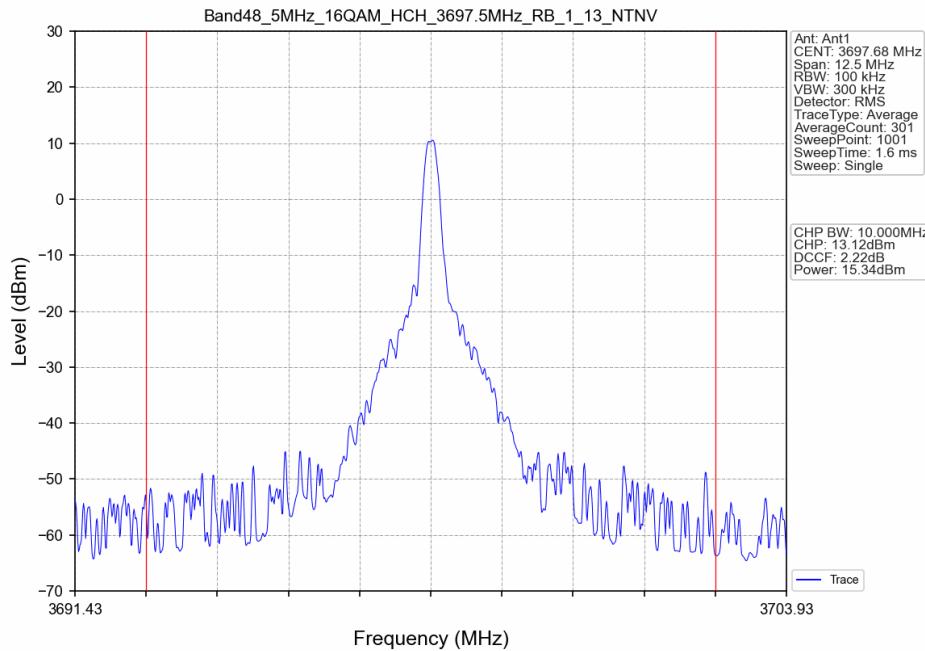
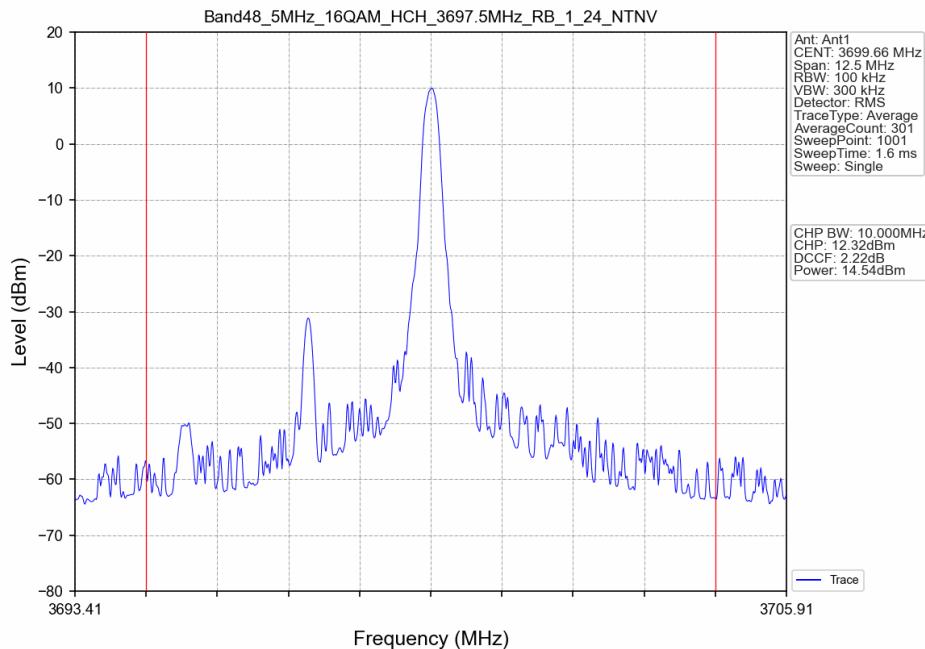
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**Band48\_5MHz\_16QAM\_MCH\_3625MHz\_RB\_25\_0\_NTNV****Band48\_5MHz\_16QAM\_HCH\_3697.5MHz\_RB\_1\_0\_NTNV**

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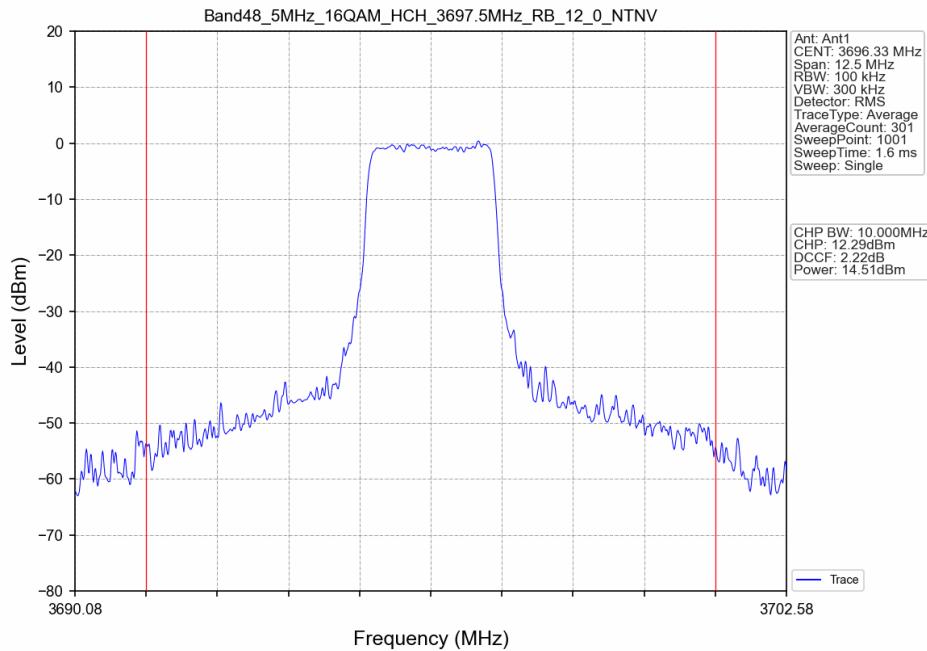
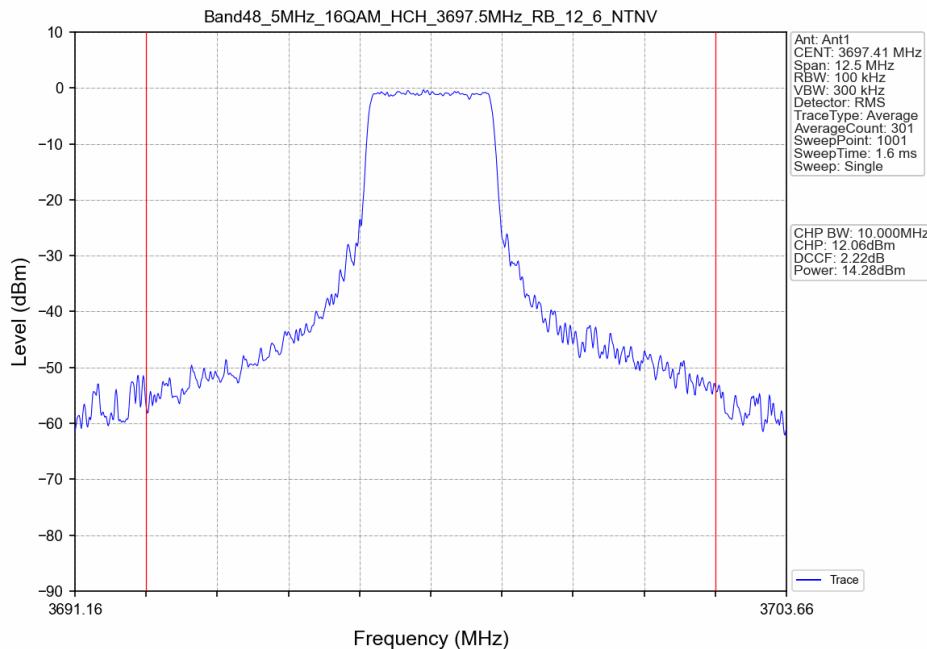
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**Band48\_5MHz\_16QAM\_HCH\_3697.5MHz\_RB\_1\_13\_NTNV****Band48\_5MHz\_16QAM\_HCH\_3697.5MHz\_RB\_1\_24\_NTNV**

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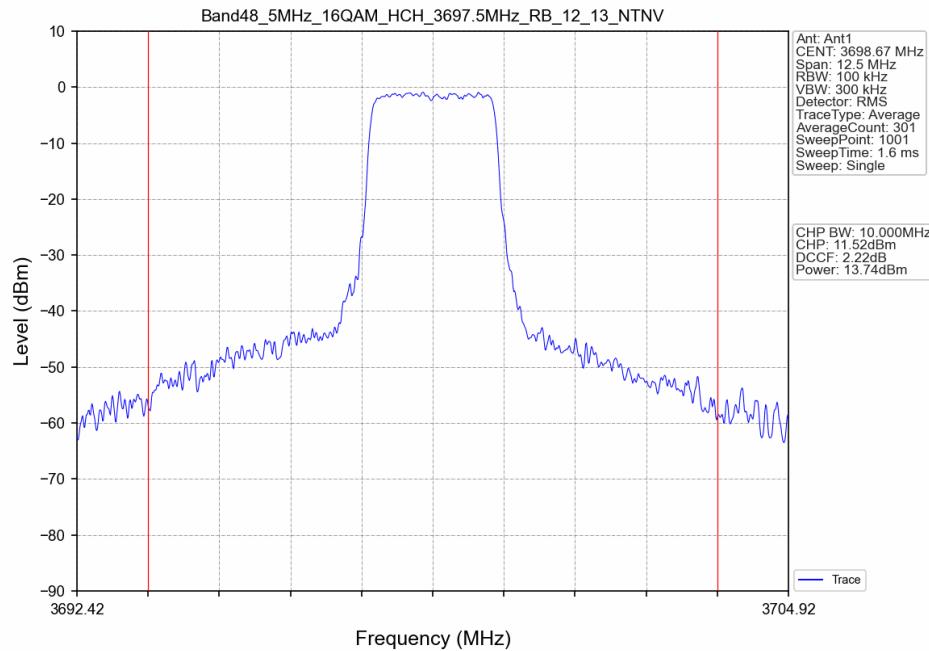
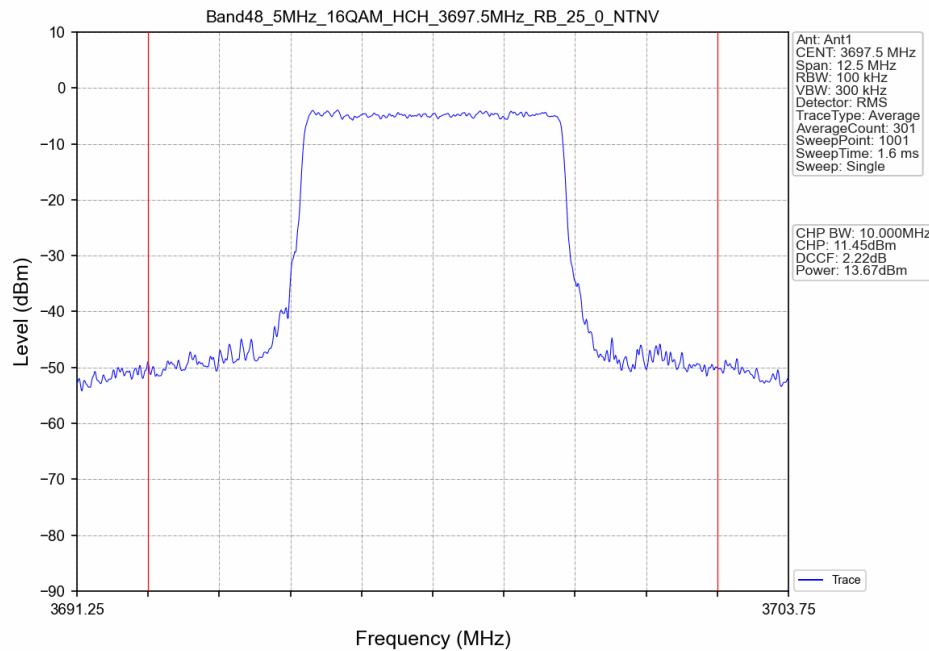
**Band48\_5MHz\_16QAM\_HCH\_3697.5MHz\_RB\_12\_0\_NTNV****Band48\_5MHz\_16QAM\_HCH\_3697.5MHz\_RB\_12\_6\_NTNV**

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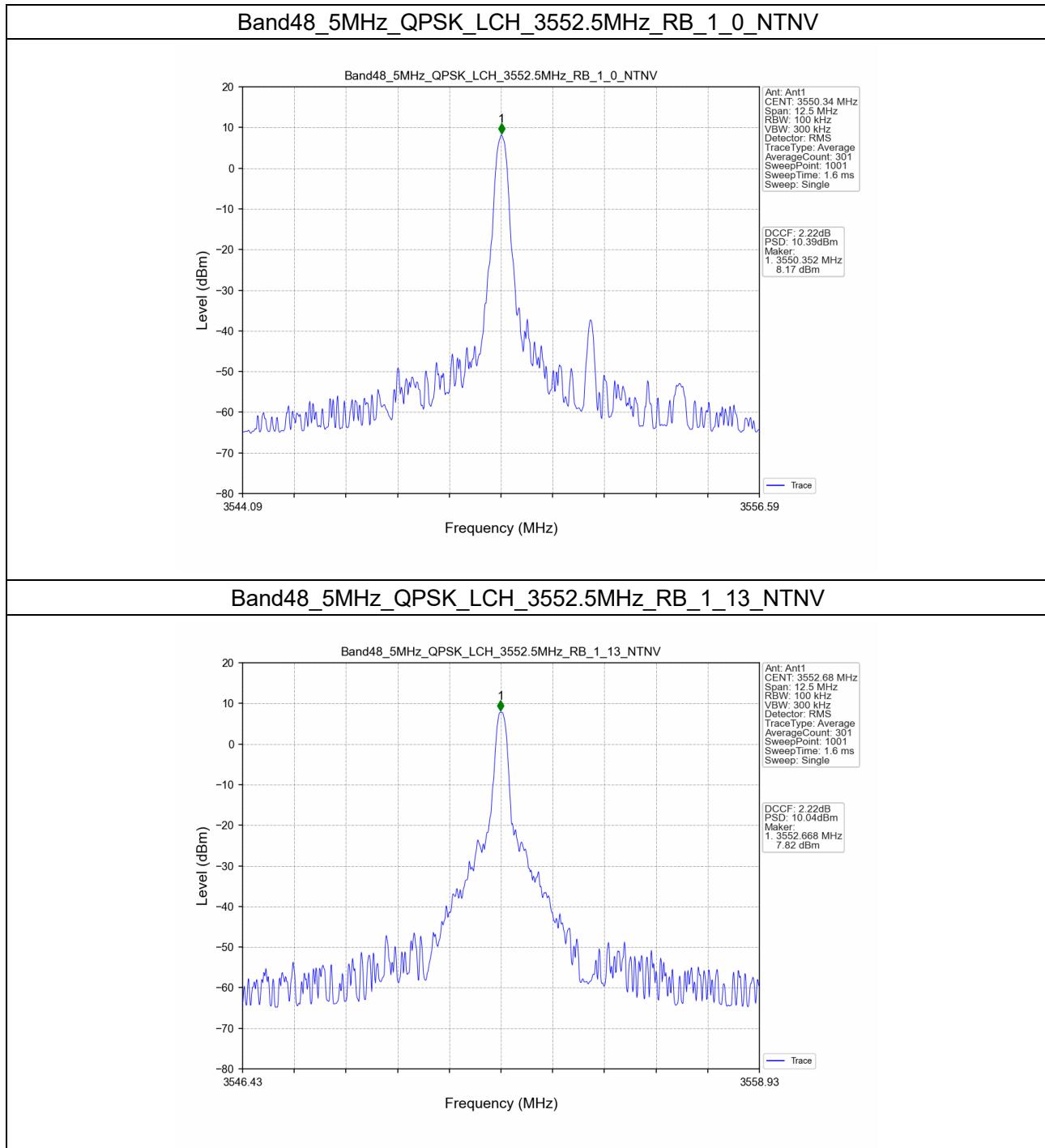
**Band48\_5MHz\_16QAM\_HCH\_3697.5MHz\_RB\_12\_13\_NTNV****Band48\_5MHz\_16QAM\_HCH\_3697.5MHz\_RB\_25\_0\_NTNV**

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## 1.2.2 B48\_5MHz\_PSD

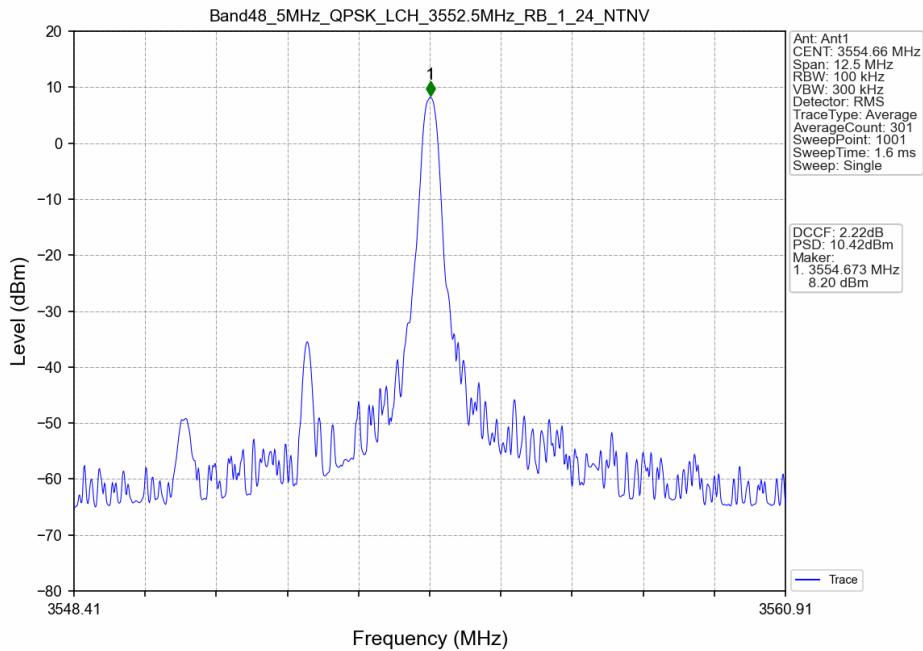
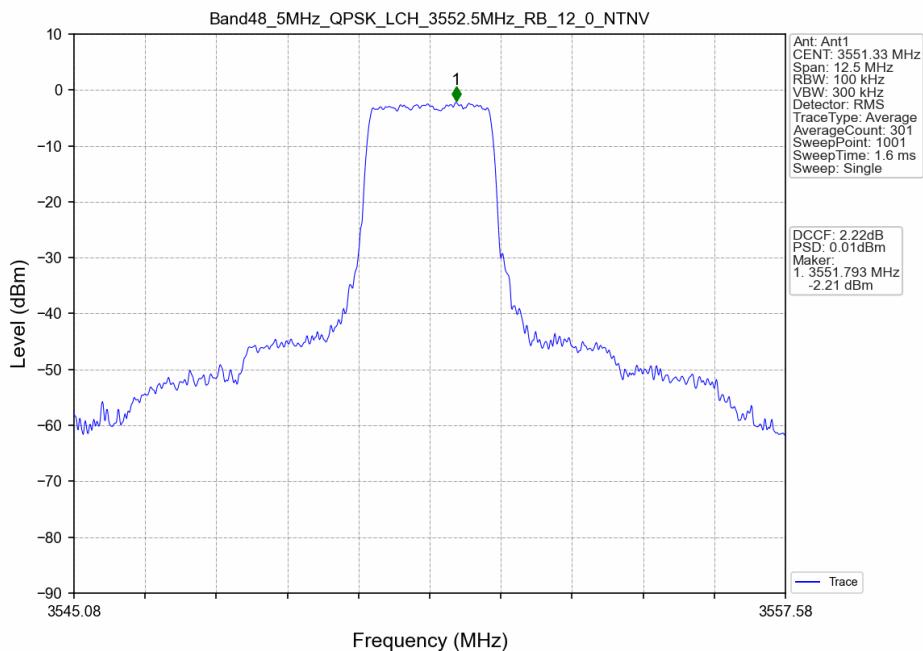


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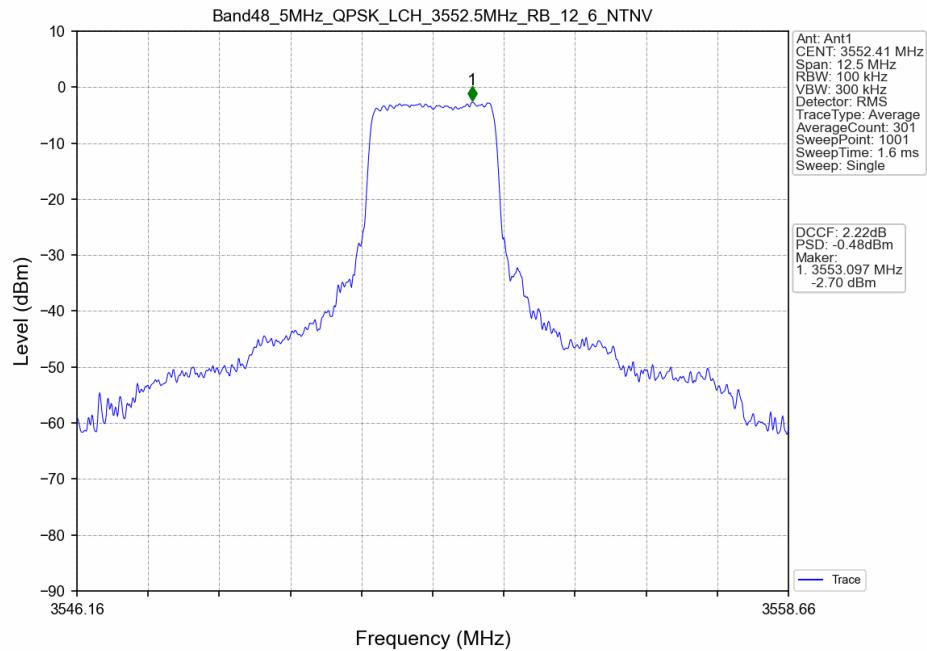
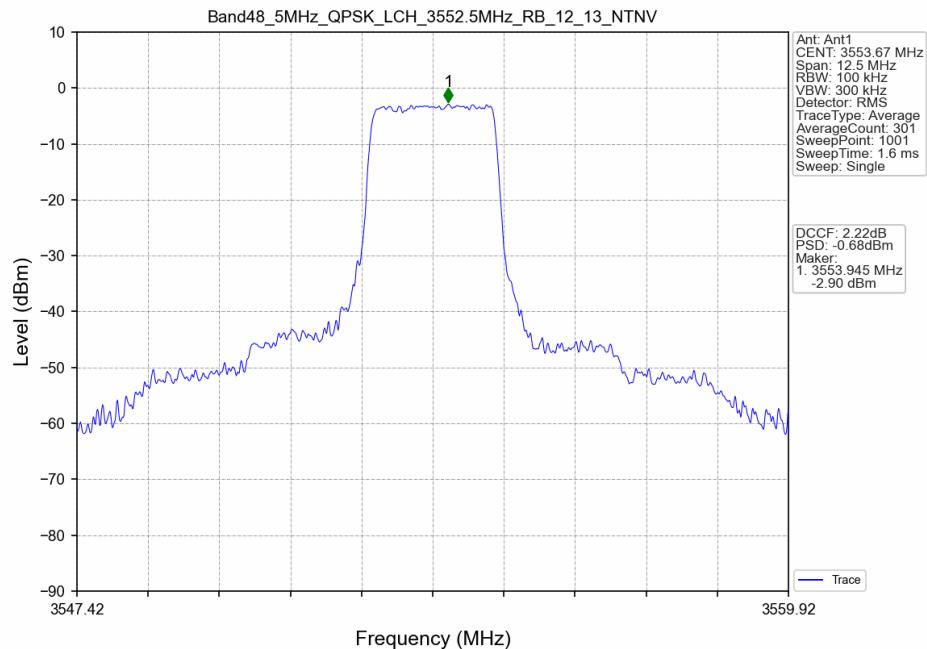
**Band48\_5MHz\_QPSK\_LCH\_3552.5MHz\_RB\_1\_24\_NTNV****Band48\_5MHz\_QPSK\_LCH\_3552.5MHz\_RB\_12\_0\_NTNV**

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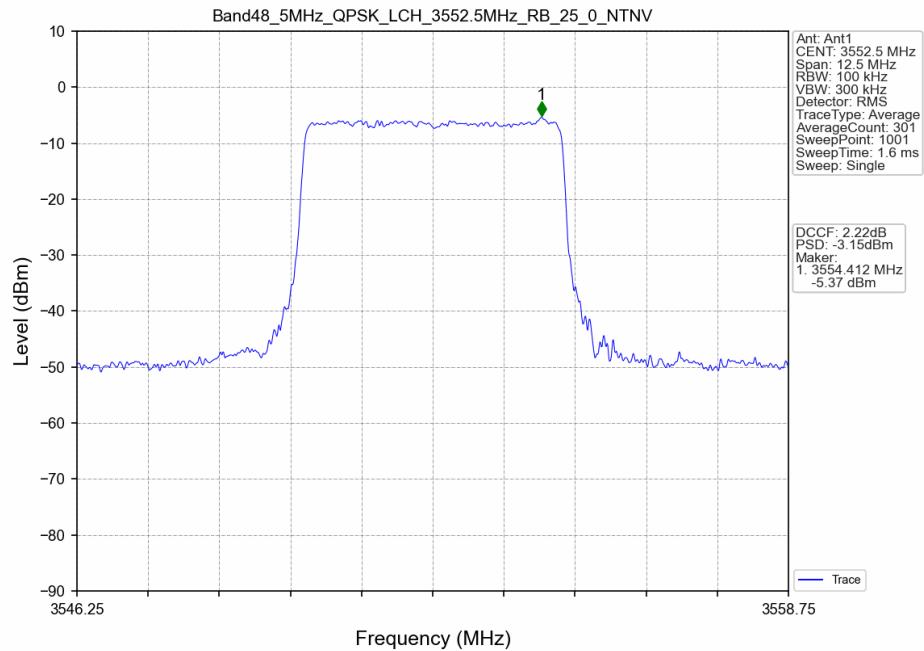
**Band48\_5MHz\_QPSK\_LCH\_3552.5MHz\_RB\_12\_6\_NTNV****Band48\_5MHz\_QPSK\_LCH\_3552.5MHz\_RB\_12\_13\_NTNV**

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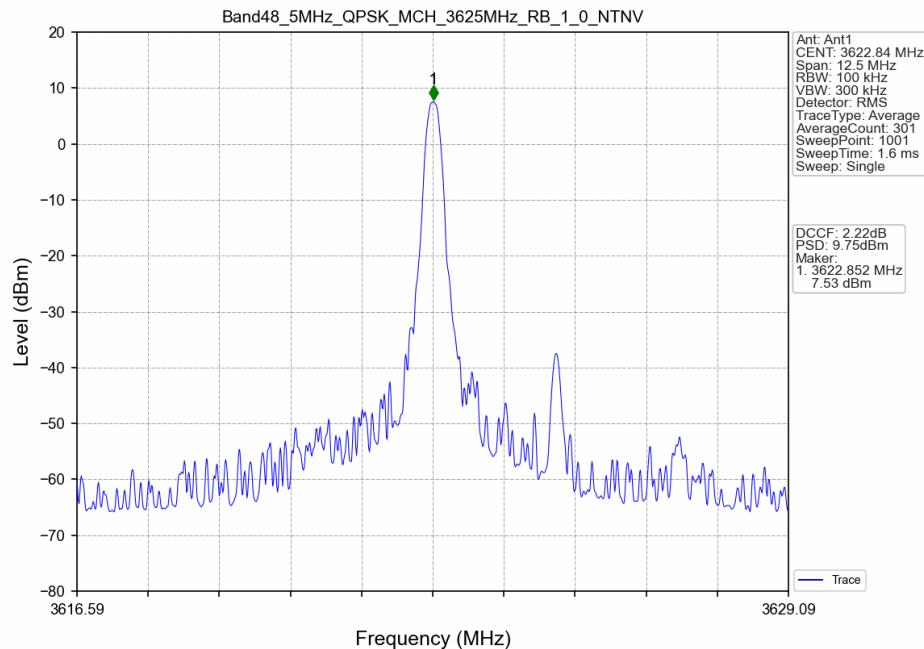
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## Band48\_5MHz\_QPSK\_LCH\_3552.5MHz\_RB\_25\_0\_NTNV



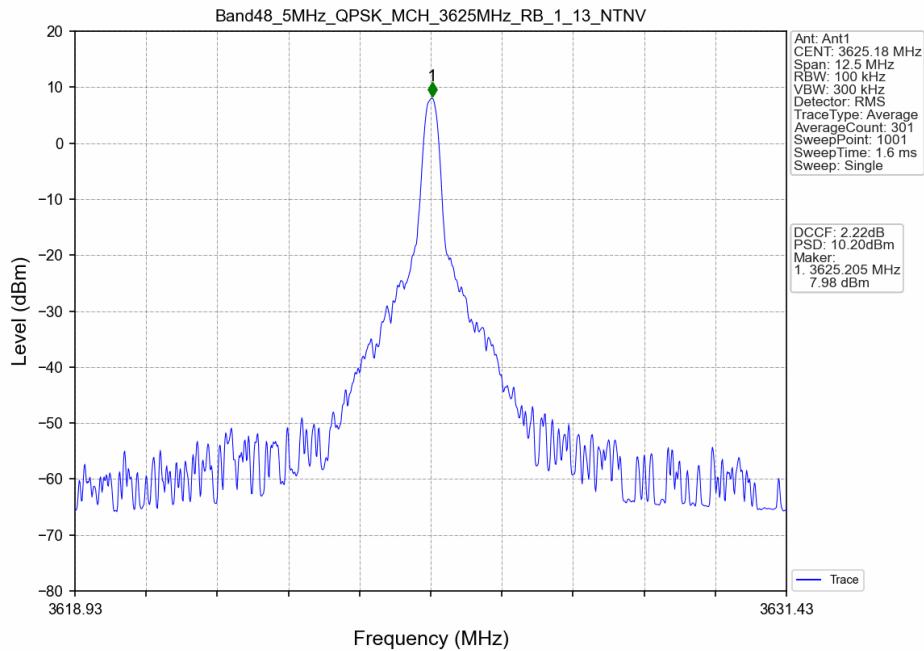
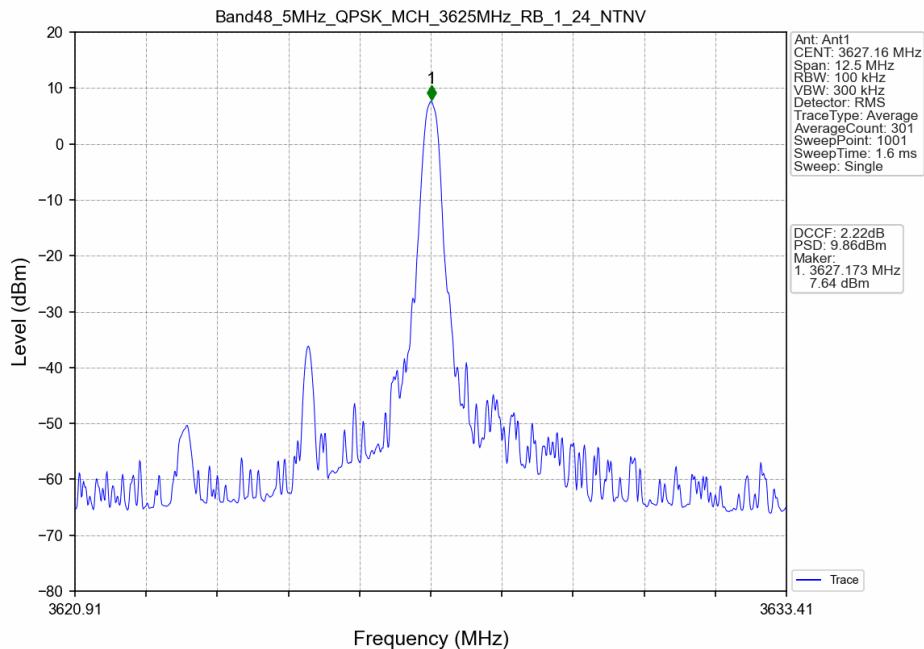
## Band48\_5MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV



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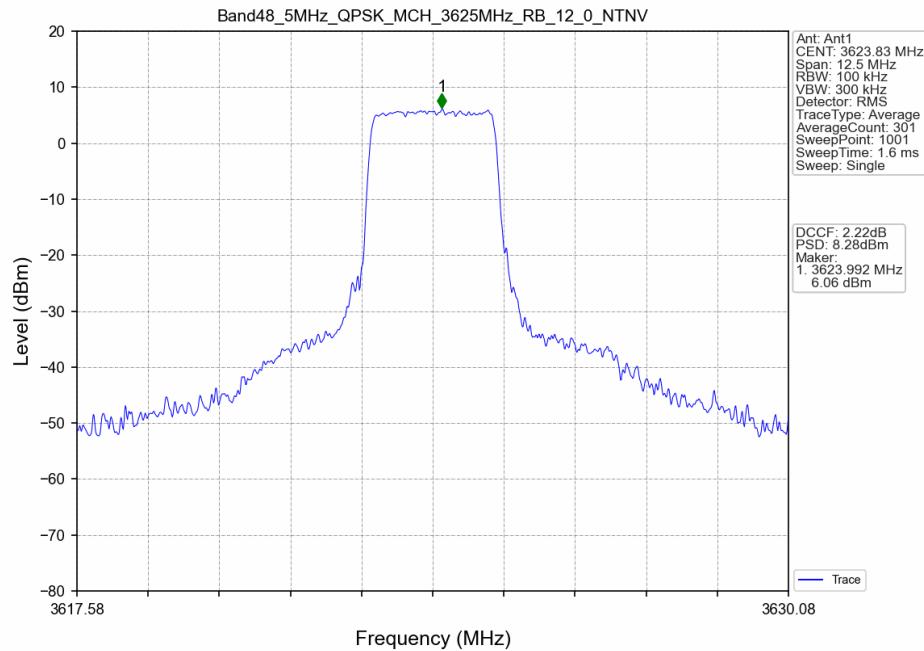
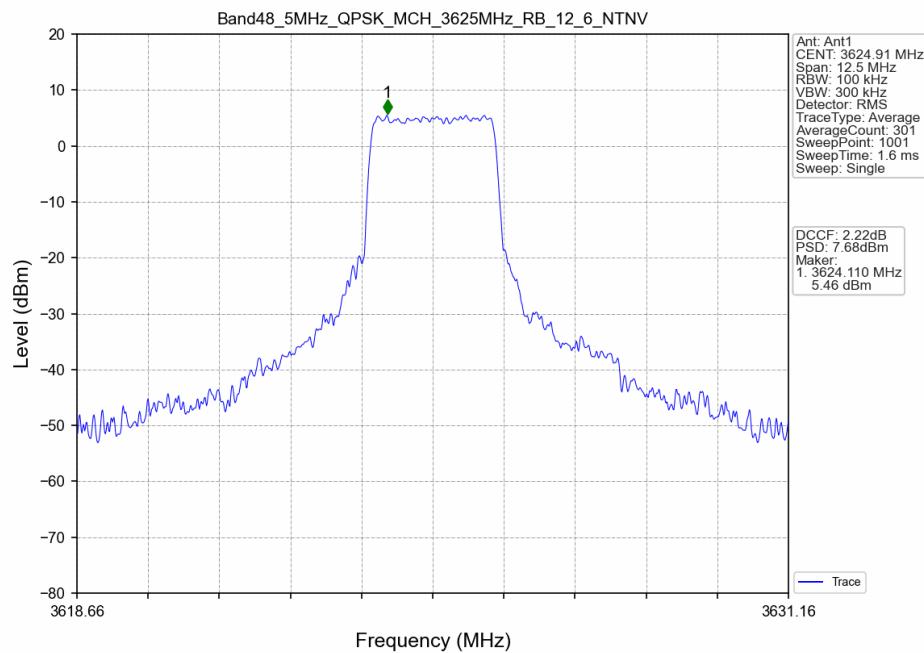
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**Band48\_5MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_13\_NTNV****Band48\_5MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_24\_NTNV**

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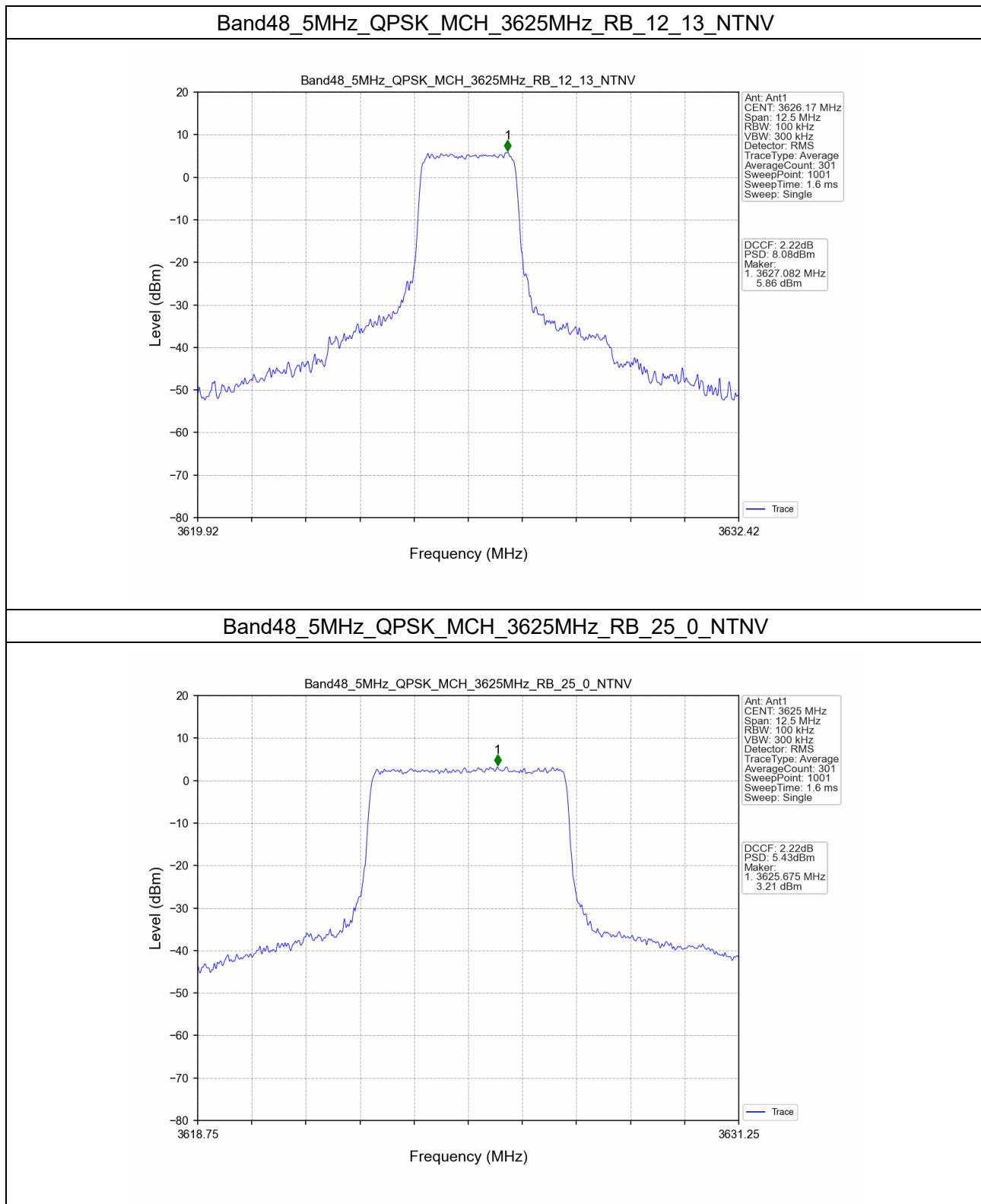
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**Band48\_5MHz\_QPSK\_MCH\_3625MHz\_RB\_12\_0\_NTNV****Band48\_5MHz\_QPSK\_MCH\_3625MHz\_RB\_12\_6\_NTNV**

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