

Appendix B LTE Band 42a

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B42a_5MHz_EIRP

Band: 42a / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3452.5	1	0	22.85	-0.60	22.25	<=30	Pass
			13	22.86	-0.60	22.26	<=30	Pass
			24	22.89	-0.60	22.29	<=30	Pass
		12	0	21.87	-0.60	21.27	<=30	Pass
			6	21.93	-0.60	21.33	<=30	Pass
			13	21.91	-0.60	21.31	<=30	Pass
		25	0	21.91	-0.60	21.31	<=30	Pass
	3500	1	0	22.49	-0.60	21.89	<=30	Pass
			13	22.48	-0.60	21.88	<=30	Pass
			24	22.43	-0.60	21.83	<=30	Pass
		12	0	21.53	-0.60	20.93	<=30	Pass
			6	21.54	-0.60	20.94	<=30	Pass
			13	21.48	-0.60	20.88	<=30	Pass
		25	0	21.48	-0.60	20.88	<=30	Pass
	3547.5	1	0	22.35	-0.60	21.75	<=30	Pass
			13	22.33	-0.60	21.73	<=30	Pass
			24	22.29	-0.60	21.69	<=30	Pass
		12	0	21.32	-0.60	20.72	<=30	Pass
			6	21.38	-0.60	20.78	<=30	Pass
			13	21.27	-0.60	20.67	<=30	Pass
		25	0	21.24	-0.60	20.64	<=30	Pass
16QAM	3452.5	1	0	21.85	-0.60	21.25	<=30	Pass
			13	21.88	-0.60	21.28	<=30	Pass
			24	21.81	-0.60	21.21	<=30	Pass
		12	0	20.93	-0.60	20.33	<=30	Pass
			6	20.98	-0.60	20.38	<=30	Pass
			13	20.90	-0.60	20.30	<=30	Pass
		25	0	20.89	-0.60	20.29	<=30	Pass
	3500	1	0	21.52	-0.60	20.92	<=30	Pass
			13	21.51	-0.60	20.91	<=30	Pass
			24	21.54	-0.60	20.94	<=30	Pass
		12	0	20.52	-0.60	19.92	<=30	Pass
			6	20.59	-0.60	19.99	<=30	Pass
			13	20.48	-0.60	19.88	<=30	Pass
		25	0	20.48	-0.60	19.88	<=30	Pass
	3547.5	1	0	21.37	-0.60	20.77	<=30	Pass
			13	21.37	-0.60	20.77	<=30	Pass
			24	21.28	-0.60	20.68	<=30	Pass
		12	0	20.33	-0.60	19.73	<=30	Pass
			6	20.38	-0.60	19.78	<=30	Pass
			13	20.31	-0.60	19.71	<=30	Pass
		25	0	20.27	-0.60	19.67	<=30	Pass
64QAM	3452.5	1	0	20.87	-0.60	20.27	<=30	Pass
			13	20.96	-0.60	20.36	<=30	Pass
			24	20.97	-0.60	20.37	<=30	Pass
		12	0	19.94	-0.60	19.34	<=30	Pass

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	3500	25	6	19.96	-0.60	19.36	<=30	Pass
			13	19.92	-0.60	19.32	<=30	Pass
		1	0	19.88	-0.60	19.28	<=30	Pass
			0	20.57	-0.60	19.97	<=30	Pass
			13	20.40	-0.60	19.80	<=30	Pass
			24	20.39	-0.60	19.79	<=30	Pass
		12	0	19.52	-0.60	18.92	<=30	Pass
			6	19.47	-0.60	18.87	<=30	Pass
			13	19.41	-0.60	18.81	<=30	Pass
		25	0	19.48	-0.60	18.88	<=30	Pass
	3547.5	1	0	20.29	-0.60	19.69	<=30	Pass
			13	20.37	-0.60	19.77	<=30	Pass
			24	20.12	-0.60	19.52	<=30	Pass
		12	0	19.32	-0.60	18.72	<=30	Pass
			6	19.36	-0.60	18.76	<=30	Pass
			13	19.28	-0.60	18.68	<=30	Pass
		25	0	19.23	-0.60	18.63	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B42a_10MHz_EIRP

Band: 42a / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3455	1	0	22.80	-0.60	22.20	<=30	Pass
			25	22.95	-0.60	22.35	<=30	Pass
			49	22.84	-0.60	22.24	<=30	Pass
		25	0	21.89	-0.60	21.29	<=30	Pass
			13	21.83	-0.60	21.23	<=30	Pass
			25	21.80	-0.60	21.20	<=30	Pass
		50	0	21.81	-0.60	21.21	<=30	Pass
	3500	1	0	22.52	-0.60	21.92	<=30	Pass
			25	22.41	-0.60	21.81	<=30	Pass
			49	22.28	-0.60	21.68	<=30	Pass
		25	0	21.51	-0.60	20.91	<=30	Pass
			13	21.47	-0.60	20.87	<=30	Pass
			25	21.41	-0.60	20.81	<=30	Pass
		50	0	21.47	-0.60	20.87	<=30	Pass
	3545	1	0	22.24	-0.60	21.64	<=30	Pass
			25	22.19	-0.60	21.59	<=30	Pass
			49	22.25	-0.60	21.65	<=30	Pass
		25	0	21.38	-0.60	20.78	<=30	Pass
			13	21.36	-0.60	20.76	<=30	Pass
			25	21.31	-0.60	20.71	<=30	Pass
		50	0	21.33	-0.60	20.73	<=30	Pass
16QAM	3455	1	0	21.88	-0.60	21.28	<=30	Pass
			25	21.85	-0.60	21.25	<=30	Pass
			49	21.91	-0.60	21.31	<=30	Pass
		25	0	20.96	-0.60	20.36	<=30	Pass
			13	20.87	-0.60	20.27	<=30	Pass
			25	20.88	-0.60	20.28	<=30	Pass
		50	0	20.84	-0.60	20.24	<=30	Pass
	3500	1	0	21.43	-0.60	20.83	<=30	Pass
			25	21.33	-0.60	20.73	<=30	Pass
			49	21.27	-0.60	20.67	<=30	Pass
		25	0	20.51	-0.60	19.91	<=30	Pass
			13	20.45	-0.60	19.85	<=30	Pass
			25	20.40	-0.60	19.80	<=30	Pass
		50	0	20.45	-0.60	19.85	<=30	Pass
	3545	1	0	21.18	-0.60	20.58	<=30	Pass
			25	21.40	-0.60	20.80	<=30	Pass
			49	21.34	-0.60	20.74	<=30	Pass



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64QAM	3455	25	0	20.37	-0.60	19.77	<=30	Pass
			13	20.38	-0.60	19.78	<=30	Pass
			25	20.31	-0.60	19.71	<=30	Pass
		50	0	20.34	-0.60	19.74	<=30	Pass
			0	20.93	-0.60	20.33	<=30	Pass
			25	20.77	-0.60	20.17	<=30	Pass
		1	49	20.81	-0.60	20.21	<=30	Pass
			0	19.95	-0.60	19.35	<=30	Pass
			13	19.87	-0.60	19.27	<=30	Pass
		25	25	19.86	-0.60	19.26	<=30	Pass
			0	19.81	-0.60	19.21	<=30	Pass
			0	20.50	-0.60	19.90	<=30	Pass
	3500	1	25	20.35	-0.60	19.75	<=30	Pass
			49	20.31	-0.60	19.71	<=30	Pass
			0	19.51	-0.60	18.91	<=30	Pass
		25	13	19.47	-0.60	18.87	<=30	Pass
			25	19.42	-0.60	18.82	<=30	Pass
			0	19.50	-0.60	18.90	<=30	Pass
		50	0	20.36	-0.60	19.76	<=30	Pass
			25	20.46	-0.60	19.86	<=30	Pass
			49	20.32	-0.60	19.72	<=30	Pass
	3545	1	0	19.39	-0.60	18.79	<=30	Pass
			13	19.38	-0.60	18.78	<=30	Pass
			25	19.33	-0.60	18.73	<=30	Pass
		25	0	19.38	-0.60	18.78	<=30	Pass
			0	19.38	-0.60	18.78	<=30	Pass
			0	19.38	-0.60	18.78	<=30	Pass
		50	0	19.38	-0.60	18.78	<=30	Pass
			0	19.38	-0.60	18.78	<=30	Pass
			0	19.38	-0.60	18.78	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B42a_15MHz_EIRP

Band: 42a / 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	22.71	-0.60	22.11	<=30	Pass
			38	22.79	-0.60	22.19	<=30	Pass
			74	22.81	-0.60	22.21	<=30	Pass
		36	0	21.85	-0.60	21.25	<=30	Pass
			18	21.87	-0.60	21.27	<=30	Pass
			39	21.79	-0.60	21.19	<=30	Pass
		75	0	21.83	-0.60	21.23	<=30	Pass
			0	22.66	-0.60	22.06	<=30	Pass
			38	22.35	-0.60	21.75	<=30	Pass
		1	74	22.37	-0.60	21.77	<=30	Pass
			0	21.58	-0.60	20.98	<=30	Pass
			18	21.51	-0.60	20.91	<=30	Pass
	3500	36	39	21.40	-0.60	20.80	<=30	Pass
			0	21.49	-0.60	20.89	<=30	Pass
			0	21.49	-0.60	20.89	<=30	Pass
		75	0	21.49	-0.60	20.89	<=30	Pass
			0	21.49	-0.60	20.89	<=30	Pass
			0	21.49	-0.60	20.89	<=30	Pass
		1	0	22.13	-0.60	21.53	<=30	Pass
			38	22.28	-0.60	21.68	<=30	Pass
			74	22.21	-0.60	21.61	<=30	Pass
		36	0	21.26	-0.60	20.66	<=30	Pass
			18	21.43	-0.60	20.83	<=30	Pass
			39	21.39	-0.60	20.79	<=30	Pass
	3542.5	75	0	21.30	-0.60	20.70	<=30	Pass
			0	21.64	-0.60	21.04	<=30	Pass
			38	21.91	-0.60	21.31	<=30	Pass
		1	74	21.91	-0.60	21.31	<=30	Pass
			0	20.87	-0.60	20.27	<=30	Pass
			18	20.93	-0.60	20.33	<=30	Pass
		36	39	20.85	-0.60	20.25	<=30	Pass
			0	20.89	-0.60	20.29	<=30	Pass
			0	20.89	-0.60	20.29	<=30	Pass
16QAM	3457.5	1	0	21.64	-0.60	21.04	<=30	Pass
			38	21.91	-0.60	21.31	<=30	Pass
			74	21.91	-0.60	21.31	<=30	Pass
		36	0	20.87	-0.60	20.27	<=30	Pass
			18	20.93	-0.60	20.33	<=30	Pass
			39	20.85	-0.60	20.25	<=30	Pass
		75	0	20.89	-0.60	20.29	<=30	Pass
			0	20.89	-0.60	20.29	<=30	Pass
			0	20.89	-0.60	20.29	<=30	Pass
	3500	1	0	21.64	-0.60	21.04	<=30	Pass
			38	21.33	-0.60	20.73	<=30	Pass



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64QAM	3542.5	36	74	21.25	-0.60	20.65	<=30	Pass	
			0	20.57	-0.60	19.97	<=30	Pass	
			18	20.52	-0.60	19.92	<=30	Pass	
			39	20.45	-0.60	19.85	<=30	Pass	
		75	0	20.48	-0.60	19.88	<=30	Pass	
		1	0	21.11	-0.60	20.51	<=30	Pass	
			38	21.26	-0.60	20.66	<=30	Pass	
			74	21.14	-0.60	20.54	<=30	Pass	
			36	0	20.27	-0.60	19.67	<=30	Pass
	18			20.42	-0.60	19.82	<=30	Pass	
	39			20.44	-0.60	19.84	<=30	Pass	
	75		0	20.40	-0.60	19.80	<=30	Pass	
	3457.5		1	0	20.78	-0.60	20.18	<=30	Pass
		38		20.91	-0.60	20.31	<=30	Pass	
		74		20.80	-0.60	20.20	<=30	Pass	
		36		0	19.89	-0.60	19.29	<=30	Pass
				18	19.90	-0.60	19.30	<=30	Pass
				39	19.86	-0.60	19.26	<=30	Pass
		75	0	19.92	-0.60	19.32	<=30	Pass	
		3500	1	0	20.53	-0.60	19.93	<=30	Pass
				38	20.38	-0.60	19.78	<=30	Pass
				74	20.30	-0.60	19.70	<=30	Pass
			36	0	19.58	-0.60	18.98	<=30	Pass
				18	19.50	-0.60	18.90	<=30	Pass
39				19.40	-0.60	18.80	<=30	Pass	
75			0	19.51	-0.60	18.91	<=30	Pass	
3542.5			1	0	20.03	-0.60	19.43	<=30	Pass
	38	20.50		-0.60	19.90	<=30	Pass		
	74	20.37		-0.60	19.77	<=30	Pass		
	36	0	19.29	-0.60	18.69	<=30	Pass		
		18	19.43	-0.60	18.83	<=30	Pass		
		39	19.41	-0.60	18.81	<=30	Pass		
	75	0	19.46	-0.60	18.86	<=30	Pass		
Note1: EIRP=Conducted Power+Antenna Gain									

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B42a_20MHz_EIRP

Band: 42a / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3460	1	0	22.82	-0.60	22.22	<=30	Pass
			50	22.90	-0.60	22.30	<=30	Pass
			99	22.86	-0.60	22.26	<=30	Pass
		50	0	21.92	-0.60	21.32	<=30	Pass
			25	21.98	-0.60	21.38	<=30	Pass
			50	21.89	-0.60	21.29	<=30	Pass
		100	0	21.95	-0.60	21.35	<=30	Pass
			0	22.75	-0.60	22.15	<=30	Pass
			50	22.39	-0.60	21.79	<=30	Pass
		1	99	22.36	-0.60	21.76	<=30	Pass
			0	21.61	-0.60	21.01	<=30	Pass
			25	21.53	-0.60	20.93	<=30	Pass
	3500	50	50	21.45	-0.60	20.85	<=30	Pass
			0	21.52	-0.60	20.92	<=30	Pass
			0	22.13	-0.60	21.53	<=30	Pass
		1	50	22.37	-0.60	21.77	<=30	Pass
			99	22.32	-0.60	21.72	<=30	Pass
			0	21.25	-0.60	20.65	<=30	Pass
		50	25	21.35	-0.60	20.75	<=30	Pass
			50	21.49	-0.60	20.89	<=30	Pass
			0	21.31	-0.60	20.71	<=30	Pass
		100	0	21.85	-0.60	21.25	<=30	Pass

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			50	21.83	-0.60	21.23	<=30	Pass	
			99	21.82	-0.60	21.22	<=30	Pass	
		50	0	20.90	-0.60	20.30	<=30	Pass	
			25	20.95	-0.60	20.35	<=30	Pass	
			50	20.94	-0.60	20.34	<=30	Pass	
		100	0	20.91	-0.60	20.31	<=30	Pass	
	3500	1	0	21.60	-0.60	21.00	<=30	Pass	
			50	21.38	-0.60	20.78	<=30	Pass	
			99	21.26	-0.60	20.66	<=30	Pass	
		50	0	20.64	-0.60	20.04	<=30	Pass	
			25	20.50	-0.60	19.90	<=30	Pass	
			50	20.46	-0.60	19.86	<=30	Pass	
	100	0	20.53	-0.60	19.93	<=30	Pass		
	3540	1	0	21.22	-0.60	20.62	<=30	Pass	
			50	21.47	-0.60	20.87	<=30	Pass	
			99	21.42	-0.60	20.82	<=30	Pass	
		50	0	20.26	-0.60	19.66	<=30	Pass	
			25	20.39	-0.60	19.79	<=30	Pass	
			50	20.47	-0.60	19.87	<=30	Pass	
	100	0	20.29	-0.60	19.69	<=30	Pass		
	64QAM	3460	1	0	20.87	-0.60	20.27	<=30	Pass
				50	20.91	-0.60	20.31	<=30	Pass
99				20.91	-0.60	20.31	<=30	Pass	
50			0	19.90	-0.60	19.30	<=30	Pass	
			25	19.98	-0.60	19.38	<=30	Pass	
			50	19.96	-0.60	19.36	<=30	Pass	
100		0	19.98	-0.60	19.38	<=30	Pass		
3500		1	0	20.71	-0.60	20.11	<=30	Pass	
			50	20.43	-0.60	19.83	<=30	Pass	
			99	20.38	-0.60	19.78	<=30	Pass	
		50	0	19.63	-0.60	19.03	<=30	Pass	
			25	19.55	-0.60	18.95	<=30	Pass	
			50	19.47	-0.60	18.87	<=30	Pass	
100		0	19.54	-0.60	18.94	<=30	Pass		
3540		1	0	20.13	-0.60	19.53	<=30	Pass	
			50	20.41	-0.60	19.81	<=30	Pass	
			99	20.36	-0.60	19.76	<=30	Pass	
		50	0	19.23	-0.60	18.63	<=30	Pass	
			25	19.38	-0.60	18.78	<=30	Pass	
			50	19.50	-0.60	18.90	<=30	Pass	
100		0	19.33	-0.60	18.73	<=30	Pass		
Note1: EIRP=Conducted Power+Antenna Gain									

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B42a_5MHz

Band: 42a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3452.5	25	0	20	3.27	0.329	0.0001	-2.5 to 2.5	Pass
					3.85	0.401	0.0001	-2.5 to 2.5	Pass
					4.43	1.087	0.0003	-2.5 to 2.5	Pass
				-30	3.85	1.717	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.658	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.930	0.0003	-2.5 to 2.5	Pass
				10	3.85	1.287	0.0004	-2.5 to 2.5	Pass
				30	3.85	0.830	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.830	0.0002	-2.5 to 2.5	Pass

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				40	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				50	3.85	0.029	0.0000	-2.5 to 2.5	Pass
	3500	25	0	20	3.27	-1.445	-0.0004	-2.5 to 2.5	Pass
					3.85	-2.403	-0.0007	-2.5 to 2.5	Pass
					4.43	-1.788	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.059	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-2.818	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-2.003	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-2.990	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-3.304	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-3.061	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-3.161	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-1.187	-0.0003	-2.5 to 2.5	Pass
	3547.5	25	0	20	3.27	-2.046	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.544	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.343	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-1.788	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-2.060	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	1.717	0.0005	-2.5 to 2.5	Pass
				0	3.85	0.472	0.0001	-2.5 to 2.5	Pass
				10	3.85	-2.174	-0.0006	-2.5 to 2.5	Pass
				30	3.85	0.315	0.0001	-2.5 to 2.5	Pass
				40	3.85	1.316	0.0004	-2.5 to 2.5	Pass
				50	3.85	-2.446	-0.0007	-2.5 to 2.5	Pass
16QAM	3452.5	25	0	20	3.27	1.731	0.0005	-2.5 to 2.5	Pass
					3.85	-0.286	-0.0001	-2.5 to 2.5	Pass
					4.43	0.443	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.958	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.272	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.157	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.730	0.0002	-2.5 to 2.5	Pass
				10	3.85	1.087	0.0003	-2.5 to 2.5	Pass
				30	3.85	2.618	0.0008	-2.5 to 2.5	Pass
				40	3.85	0.987	0.0003	-2.5 to 2.5	Pass
				50	3.85	0.229	0.0001	-2.5 to 2.5	Pass
	3500	25	0	20	3.27	-2.518	-0.0007	-2.5 to 2.5	Pass
					3.85	-3.161	-0.0009	-2.5 to 2.5	Pass
					4.43	-4.048	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-3.648	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.815	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-2.975	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-1.717	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-2.174	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-3.290	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-3.462	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-2.804	-0.0008	-2.5 to 2.5	Pass
	3547.5	25	0	20	3.27	-0.787	-0.0002	-2.5 to 2.5	Pass
					3.85	0.644	0.0002	-2.5 to 2.5	Pass
					4.43	-1.860	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.173	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.157	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-1.359	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.202	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.300	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.316	-0.0004	-2.5 to 2.5	Pass
				40	3.85	0.644	0.0002	-2.5 to 2.5	Pass
				50	3.85	0.386	0.0001	-2.5 to 2.5	Pass
64QAM	3452.5	25	0	20	3.27	-0.057	0.0000	-2.5 to 2.5	Pass
					3.85	-2.160	-0.0006	-2.5 to 2.5	Pass
					4.43	1.631	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.330	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.257	0.0001	-2.5 to 2.5	Pass



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				-10	3.85	0.801	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.501	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				30	3.85	2.260	0.0007	-2.5 to 2.5	Pass
				40	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				50	3.85	1.259	0.0004	-2.5 to 2.5	Pass
	3500	25	0	20	3.27	-2.646	-0.0008	-2.5 to 2.5	Pass
					3.85	-1.044	-0.0003	-2.5 to 2.5	Pass
					4.43	-3.090	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-1.473	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-2.432	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.960	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-2.489	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-3.161	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-2.203	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-2.761	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.572	-0.0002	-2.5 to 2.5	Pass
	3547.5	25	0	20	3.27	0.157	0.0000	-2.5 to 2.5	Pass
					3.85	1.788	0.0005	-2.5 to 2.5	Pass
					4.43	2.003	0.0006	-2.5 to 2.5	Pass
				-30	3.85	1.402	0.0004	-2.5 to 2.5	Pass
				-20	3.85	2.074	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.701	-0.0002	-2.5 to 2.5	Pass
				0	3.85	1.116	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.815	0.0002	-2.5 to 2.5	Pass
				30	3.85	1.044	0.0003	-2.5 to 2.5	Pass
				40	3.85	0.615	0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass

2.1.2 B42a_10MHz

Band: 42a / 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	3.27	-1.774	-0.0005	-2.5 to 2.5	Pass
					3.85	-2.146	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.730	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.930	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.316	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.343	0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-1.745	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.815	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-2.947	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.873	-0.0003	-2.5 to 2.5	Pass
	3500	50	0	20	3.27	-4.849	-0.0014	-2.5 to 2.5	Pass
					3.85	-1.416	-0.0004	-2.5 to 2.5	Pass
					4.43	-1.831	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.345	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-1.445	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-2.260	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-2.646	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-3.648	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.788	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-1.760	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-5.078	-0.0015	-2.5 to 2.5	Pass
	3545	50	0	20	3.27	-3.977	-0.0011	-2.5 to 2.5	Pass
					3.85	-2.646	-0.0007	-2.5 to 2.5	Pass
					4.43	-0.730	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-1.888	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-1.931	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-4.063	-0.0011	-2.5 to 2.5	Pass

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				0	3.85	-1.001	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-1.659	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-3.276	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-2.761	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-3.691	-0.0010	-2.5 to 2.5	Pass
16QAM	3455	50	0	20	3.27	0.429	0.0001	-2.5 to 2.5	Pass
					3.85	1.245	0.0004	-2.5 to 2.5	Pass
					4.43	-0.987	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.802	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.114	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.372	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.687	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.844	-0.0002	-2.5 to 2.5	Pass
	3500	50	0	20	3.27	-2.975	-0.0009	-2.5 to 2.5	Pass
					3.85	-4.406	-0.0013	-2.5 to 2.5	Pass
					4.43	-1.459	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-2.089	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-2.933	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-1.988	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-1.588	-0.0005	-2.5 to 2.5	Pass
				30	3.85	0.830	0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.730	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-2.317	-0.0007	-2.5 to 2.5	Pass
	3545	50	0	20	3.27	-4.034	-0.0011	-2.5 to 2.5	Pass
					3.85	-3.505	-0.0010	-2.5 to 2.5	Pass
					4.43	-2.375	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-5.178	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-2.947	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-2.704	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-2.003	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-4.950	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-3.133	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-2.360	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-3.805	-0.0011	-2.5 to 2.5	Pass
64QAM	3455	50	0	20	3.27	-0.858	-0.0002	-2.5 to 2.5	Pass
					3.85	0.186	0.0001	-2.5 to 2.5	Pass
					4.43	1.431	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.329	0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.216	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.916	0.0003	-2.5 to 2.5	Pass
				0	3.85	-2.146	-0.0006	-2.5 to 2.5	Pass
				10	3.85	0.415	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.172	0.0000	-2.5 to 2.5	Pass
				40	3.85	-1.159	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
	3500	50	0	20	3.27	-2.489	-0.0007	-2.5 to 2.5	Pass
					3.85	-2.861	-0.0008	-2.5 to 2.5	Pass
					4.43	-3.362	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-4.177	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-2.990	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-4.048	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-4.020	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-2.761	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-2.632	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-3.905	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-3.505	-0.0010	-2.5 to 2.5	Pass
	3545	50	0	20	3.27	-4.578	-0.0013	-2.5 to 2.5	Pass
					3.85	-1.745	-0.0005	-2.5 to 2.5	Pass

					4.43	-3.848	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-3.119	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-4.220	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-1.616	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-3.963	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-3.977	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-2.990	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-4.978	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-3.104	-0.0009	-2.5 to 2.5	Pass

2.1.3 B42a_15MHz

Band: 42a / 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	3.27	-0.973	-0.0003	-2.5 to 2.5	Pass
					3.85	-3.018	-0.0009	-2.5 to 2.5	Pass
					4.43	-1.731	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.287	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.858	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-3.161	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-1.345	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.644	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-4.320	-0.0012	-2.5 to 2.5	Pass
				40	3.85	0.472	0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.916	-0.0003	-2.5 to 2.5	Pass
				3500	75	0	20	3.27	-2.632
	3.85	-4.864	-0.0014					-2.5 to 2.5	Pass
	4.43	-3.119	-0.0009					-2.5 to 2.5	Pass
	-30	3.85	-3.419				-0.0010	-2.5 to 2.5	Pass
	-20	3.85	-3.190				-0.0009	-2.5 to 2.5	Pass
	-10	3.85	-4.163				-0.0012	-2.5 to 2.5	Pass
	0	3.85	-3.376				-0.0010	-2.5 to 2.5	Pass
	10	3.85	-2.389				-0.0007	-2.5 to 2.5	Pass
	30	3.85	-2.761				-0.0008	-2.5 to 2.5	Pass
	40	3.85	-3.247				-0.0009	-2.5 to 2.5	Pass
	50	3.85	-2.804				-0.0008	-2.5 to 2.5	Pass
	3542.5	75	0				20	3.27	-1.960
				3.85	-0.715	-0.0002		-2.5 to 2.5	Pass
				4.43	-1.831	-0.0005		-2.5 to 2.5	Pass
				-30	3.85	-0.901	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.402	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.529	0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.715	-0.0002	-2.5 to 2.5	Pass
				10	3.85	1.144	0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.687	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.558	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-1.416	-0.0004	-2.5 to 2.5	Pass
16QAM				3457.5	75	0	20	3.27	-1.831
	3.85	-0.372	-0.0001					-2.5 to 2.5	Pass
	4.43	-2.074	-0.0006					-2.5 to 2.5	Pass
	-30	3.85	0.029				0.0000	-2.5 to 2.5	Pass
	-20	3.85	-2.804				-0.0008	-2.5 to 2.5	Pass
	-10	3.85	-0.529				-0.0002	-2.5 to 2.5	Pass
	0	3.85	-1.030				-0.0003	-2.5 to 2.5	Pass
	10	3.85	-2.589				-0.0007	-2.5 to 2.5	Pass
	30	3.85	-1.831				-0.0005	-2.5 to 2.5	Pass
	40	3.85	-1.945				-0.0006	-2.5 to 2.5	Pass
	50	3.85	-0.114				0.0000	-2.5 to 2.5	Pass
	3500	75	0				20	3.27	-3.791
				3.85	-2.060	-0.0006		-2.5 to 2.5	Pass
				4.43	-3.204	-0.0009		-2.5 to 2.5	Pass

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	3542.5	75	0	-30	3.85	-3.505	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-2.418	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-4.506	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-4.148	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-3.748	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-4.377	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-4.134	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-4.063	-0.0012	-2.5 to 2.5	Pass
				20	3.27	0.300	0.0001	-2.5 to 2.5	Pass
					3.85	0.114	0.0000	-2.5 to 2.5	Pass
					4.43	-0.744	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.315	0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.888	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.687	0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.472	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.544	-0.0002	-2.5 to 2.5	Pass
				30	3.85	1.044	0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.358	-0.0001	-2.5 to 2.5	Pass
				50	3.85	0.572	0.0002	-2.5 to 2.5	Pass
64QAM	3457.5	75	0	20	3.27	-0.701	-0.0002	-2.5 to 2.5	Pass
					3.85	-1.802	-0.0005	-2.5 to 2.5	Pass
					4.43	-0.987	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.273	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-1.345	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-2.718	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.873	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-1.831	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-2.031	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-1.988	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.486	-0.0001	-2.5 to 2.5	Pass
				20	3.27	-3.676	-0.0011	-2.5 to 2.5	Pass
					3.85	-3.018	-0.0009	-2.5 to 2.5	Pass
					4.43	-3.934	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-3.333	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-3.605	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-3.734	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-2.861	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-4.106	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-1.631	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-4.835	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-3.862	-0.0011	-2.5 to 2.5	Pass
	3542.5	75	0	20	3.27	-1.302	-0.0004	-2.5 to 2.5	Pass
					3.85	0.415	0.0001	-2.5 to 2.5	Pass
					4.43	0.629	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-1.044	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.787	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.844	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
				10	3.85	1.488	0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.788	-0.0005	-2.5 to 2.5	Pass
				40	3.85	0.644	0.0002	-2.5 to 2.5	Pass
				50	3.85	1.130	0.0003	-2.5 to 2.5	Pass

2.1.4 B42a_20MHz

Band: 42a / 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	3.27	0.014	0.0000	-2.5 to 2.5	Pass
					3.85	-1.502	-0.0004	-2.5 to 2.5	Pass
					4.43	-1.116	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.730	0.0002	-2.5 to 2.5	Pass

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16QAM	3500	100	0	-20	3.85	-2.561	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-2.046	-0.0006	-2.5 to 2.5	Pass
				10	3.85	0.272	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				40	3.85	-0.887	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.315	-0.0001	-2.5 to 2.5	Pass
	3540	100	0	20	3.27	-2.847	-0.0008	-2.5 to 2.5	Pass
					3.85	-1.717	-0.0005	-2.5 to 2.5	Pass
					4.43	-3.262	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-0.758	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-2.475	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-2.532	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-2.317	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-2.303	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-2.232	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-4.535	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.545	-0.0004	-2.5 to 2.5	Pass
	3460	100	0	20	3.27	-2.589	-0.0007	-2.5 to 2.5	Pass
					3.85	-2.732	-0.0008	-2.5 to 2.5	Pass
					4.43	-0.587	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-2.990	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-2.446	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.874	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-2.146	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-3.605	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.316	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.903	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-1.073	-0.0003	-2.5 to 2.5	Pass
	3500	100	0	20	3.27	-0.472	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.944	-0.0003	-2.5 to 2.5	Pass
					4.43	-0.730	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.129	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-1.645	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.486	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.129	0.0000	-2.5 to 2.5	Pass
				10	3.85	-2.203	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.302	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.486	-0.0001	-2.5 to 2.5	Pass
				50	3.85	0.257	0.0001	-2.5 to 2.5	Pass
	3540	100	0	20	3.27	-3.176	-0.0009	-2.5 to 2.5	Pass
					3.85	-3.390	-0.0010	-2.5 to 2.5	Pass
					4.43	-3.791	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-3.805	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.016	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-3.190	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.489	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-3.905	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.245	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-3.304	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-2.232	-0.0006	-2.5 to 2.5	Pass
	3460	100	0	20	3.27	-2.217	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.515	-0.0001	-2.5 to 2.5	Pass
					4.43	-2.618	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.931	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.987	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-2.532	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				10	3.85	-1.445	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.659	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				50	3.85	-0.701	-0.0002	-2.5 to 2.5	Pass

64QAM	3460	100	0	20	3.27	-1.073	-0.0003	-2.5 to 2.5	Pass
					3.85	1.016	0.0003	-2.5 to 2.5	Pass
					4.43	0.315	0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.802	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-1.917	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.529	0.0002	-2.5 to 2.5	Pass
				10	3.85	-2.346	-0.0007	-2.5 to 2.5	Pass
				30	3.85	0.944	0.0003	-2.5 to 2.5	Pass
				40	3.85	1.860	0.0005	-2.5 to 2.5	Pass
				50	3.85	1.202	0.0003	-2.5 to 2.5	Pass
	3500	100	0	20	3.27	-4.592	-0.0013	-2.5 to 2.5	Pass
					3.85	-1.717	-0.0005	-2.5 to 2.5	Pass
					4.43	-1.559	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-3.190	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-2.804	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-3.963	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-3.591	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-2.761	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-1.874	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-3.433	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-4.206	-0.0012	-2.5 to 2.5	Pass
	3540	100	0	20	3.27	-1.273	-0.0004	-2.5 to 2.5	Pass
					3.85	-1.731	-0.0005	-2.5 to 2.5	Pass
					4.43	-0.715	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-4.077	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-0.443	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-2.618	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-2.646	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-1.245	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.588	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-2.003	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-4.005	-0.0011	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B42a_5MHz

Band: 42a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	3500	25	0	Refer To Test Graph		Pass
16QAM	3500	25	0	Refer To Test Graph		Pass
64QAM	3500	25	0	Refer To Test Graph		Pass

3.1.2 B42a_10MHz

Band: 42a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	3500	50	0	Refer To Test Graph		Pass
16QAM	3500	50	0	Refer To Test Graph		Pass
64QAM	3500	50	0	Refer To Test Graph		Pass

3.1.3 B42a_15MHz

Band: 42a / Bandwidth: 15MHz / NTNV						
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Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	3500	75	0	Refer To Test Graph		Pass
16QAM	3500	75	0	Refer To Test Graph		Pass
64QAM	3500	75	0	Refer To Test Graph		Pass

3.1.4 B42a_20MHz

Band: 42a / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	3500	100	0	Refer To Test Graph		Pass
16QAM	3500	100	0	Refer To Test Graph		Pass
64QAM	3500	100	0	Refer To Test Graph		Pass

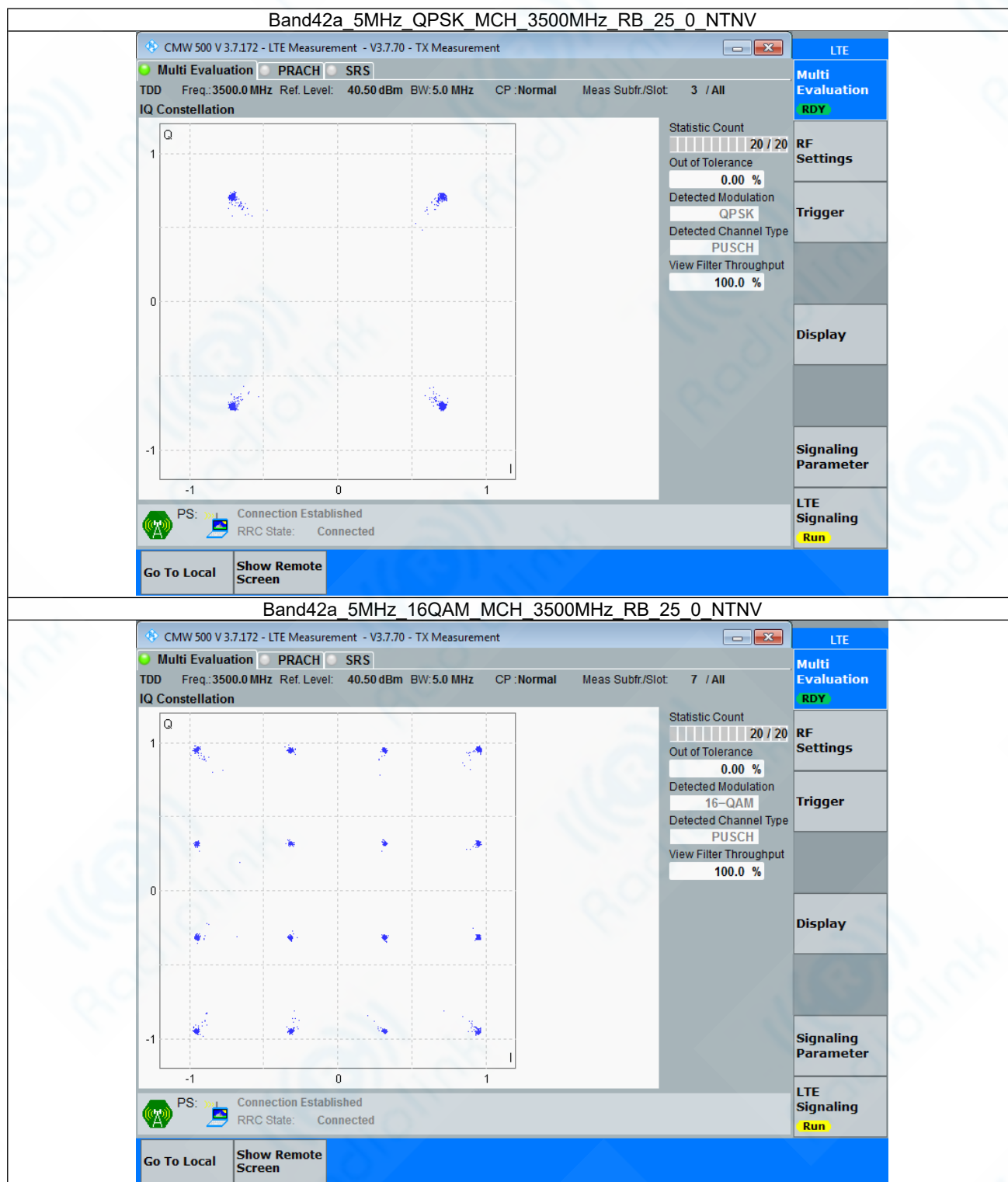


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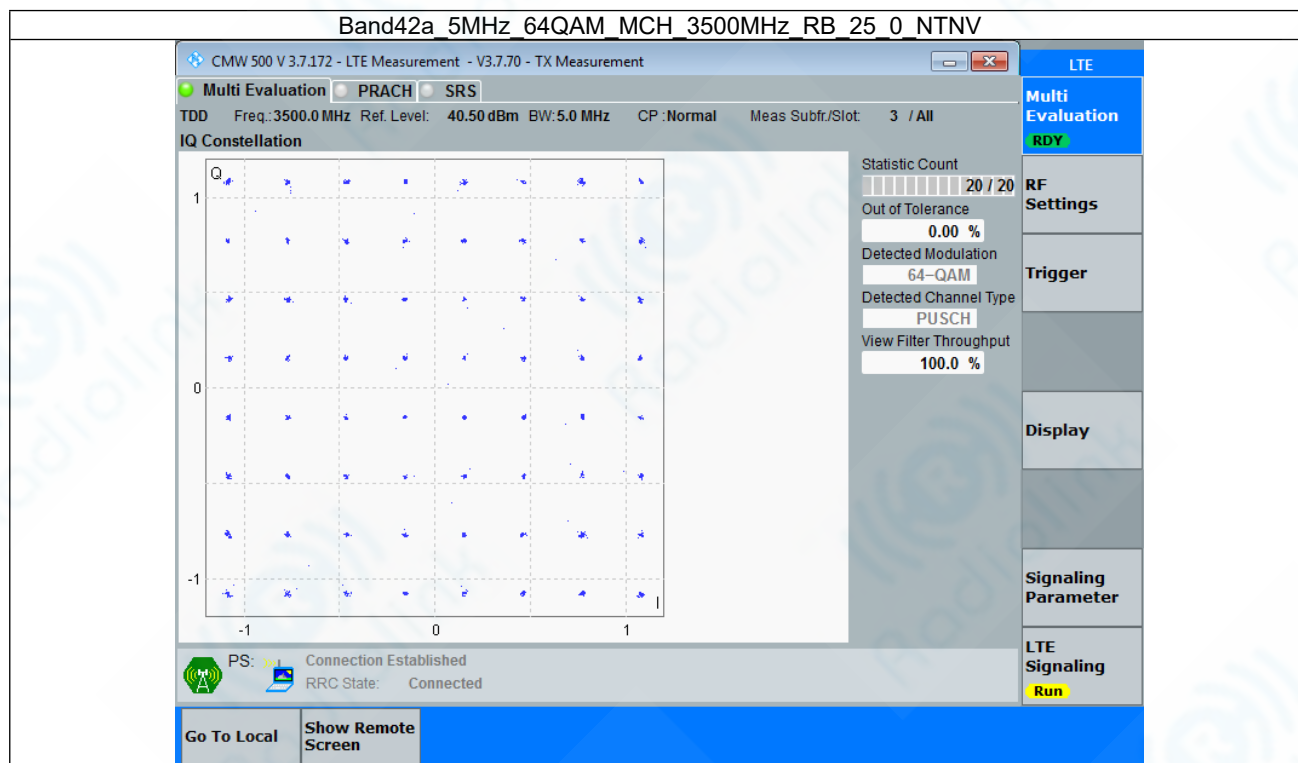
3.2 Test Graph

3.2.1 B42a_5MHz



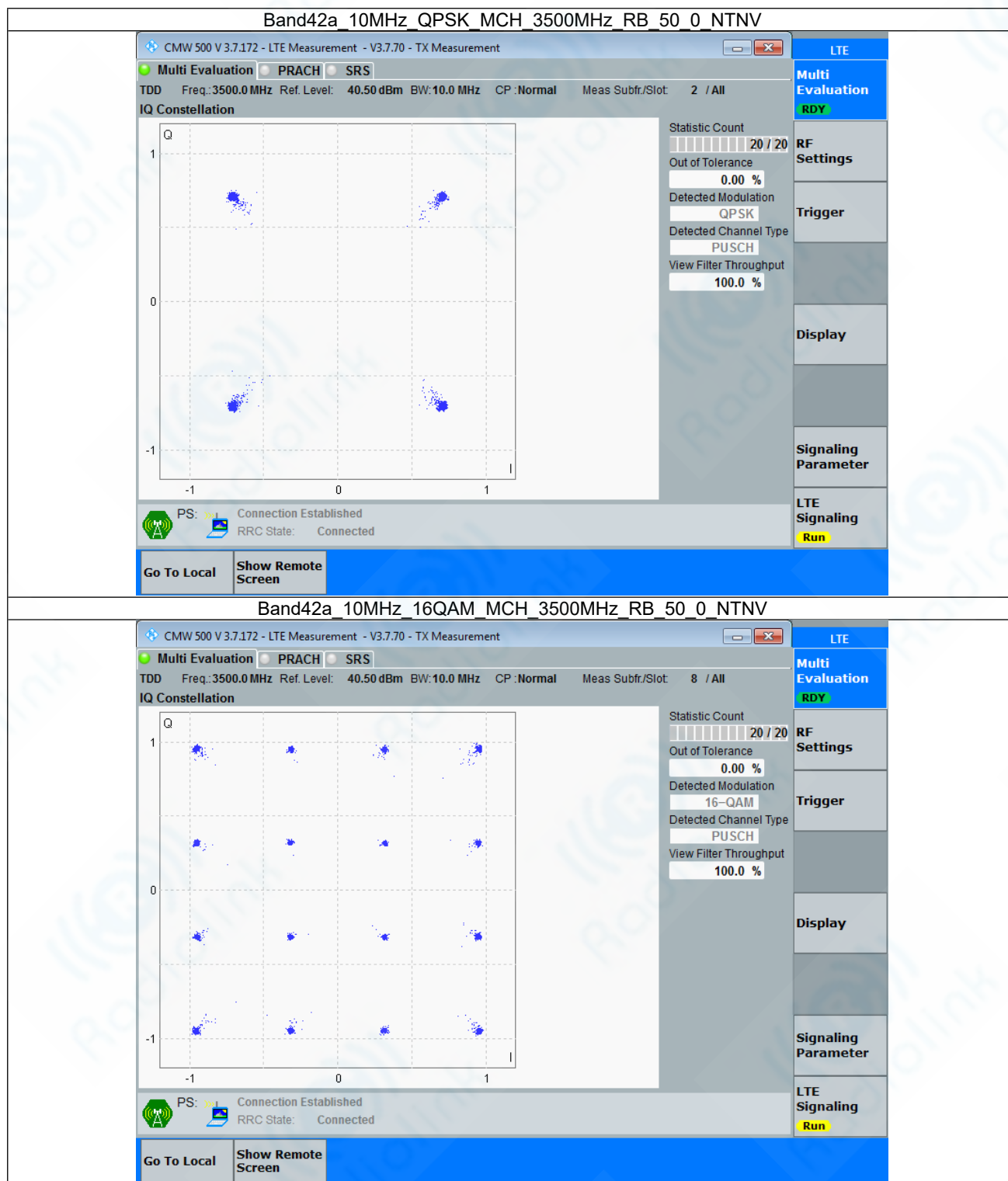
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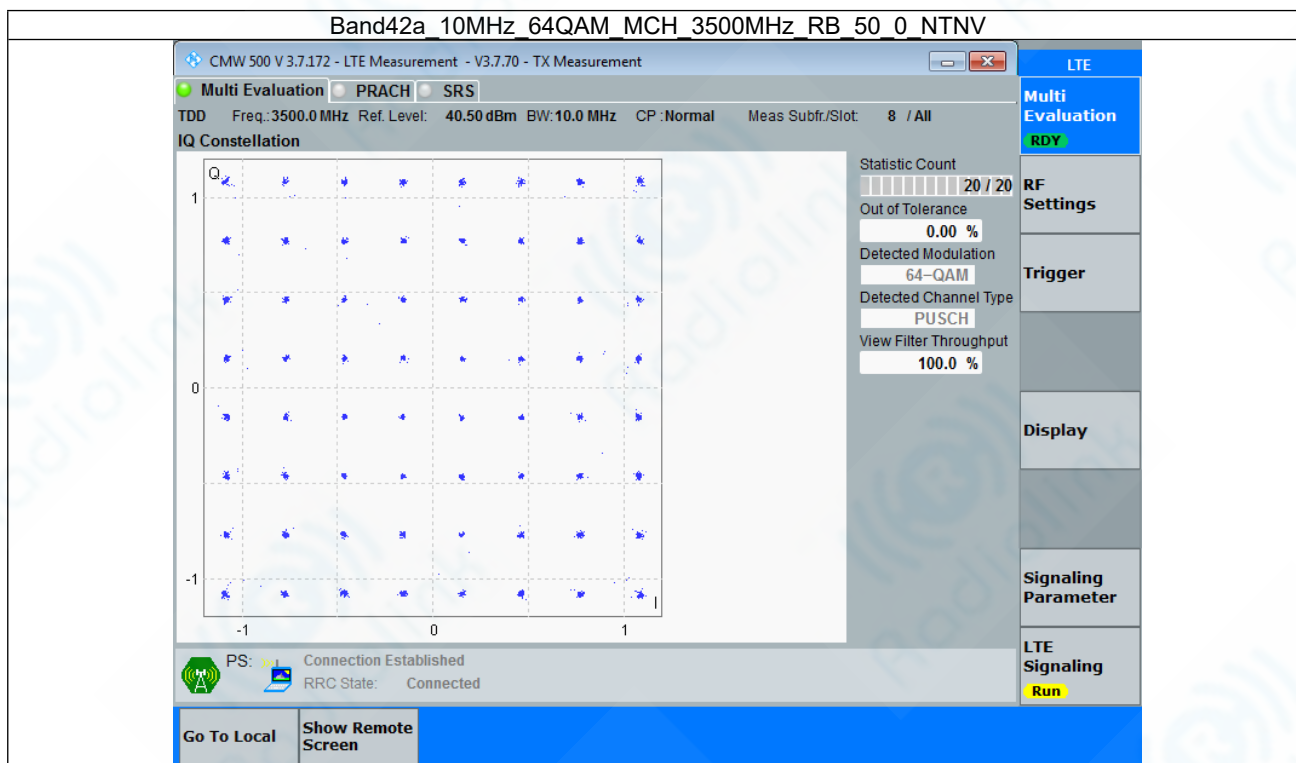
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3.2.2 B42a_10MHz

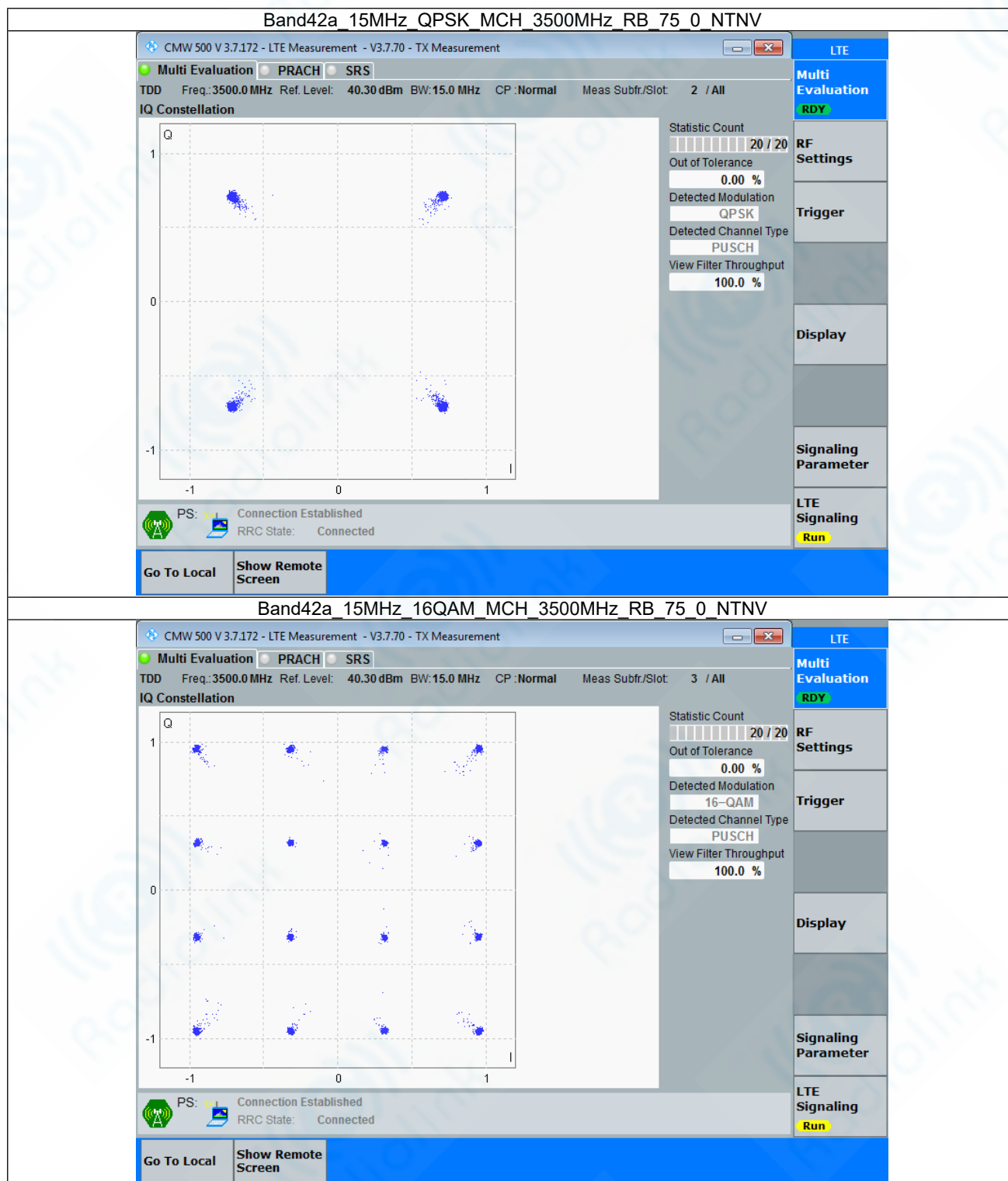


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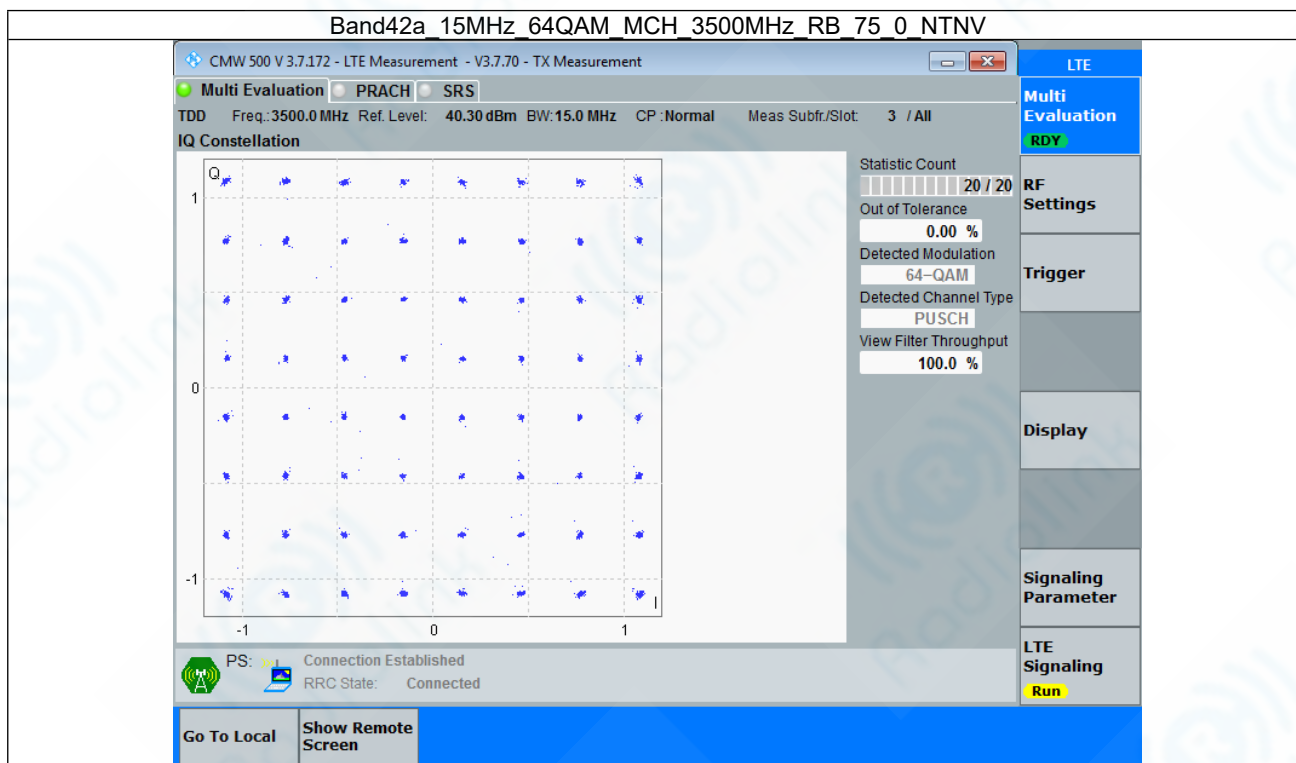


3.2.3 B42a_15MHz



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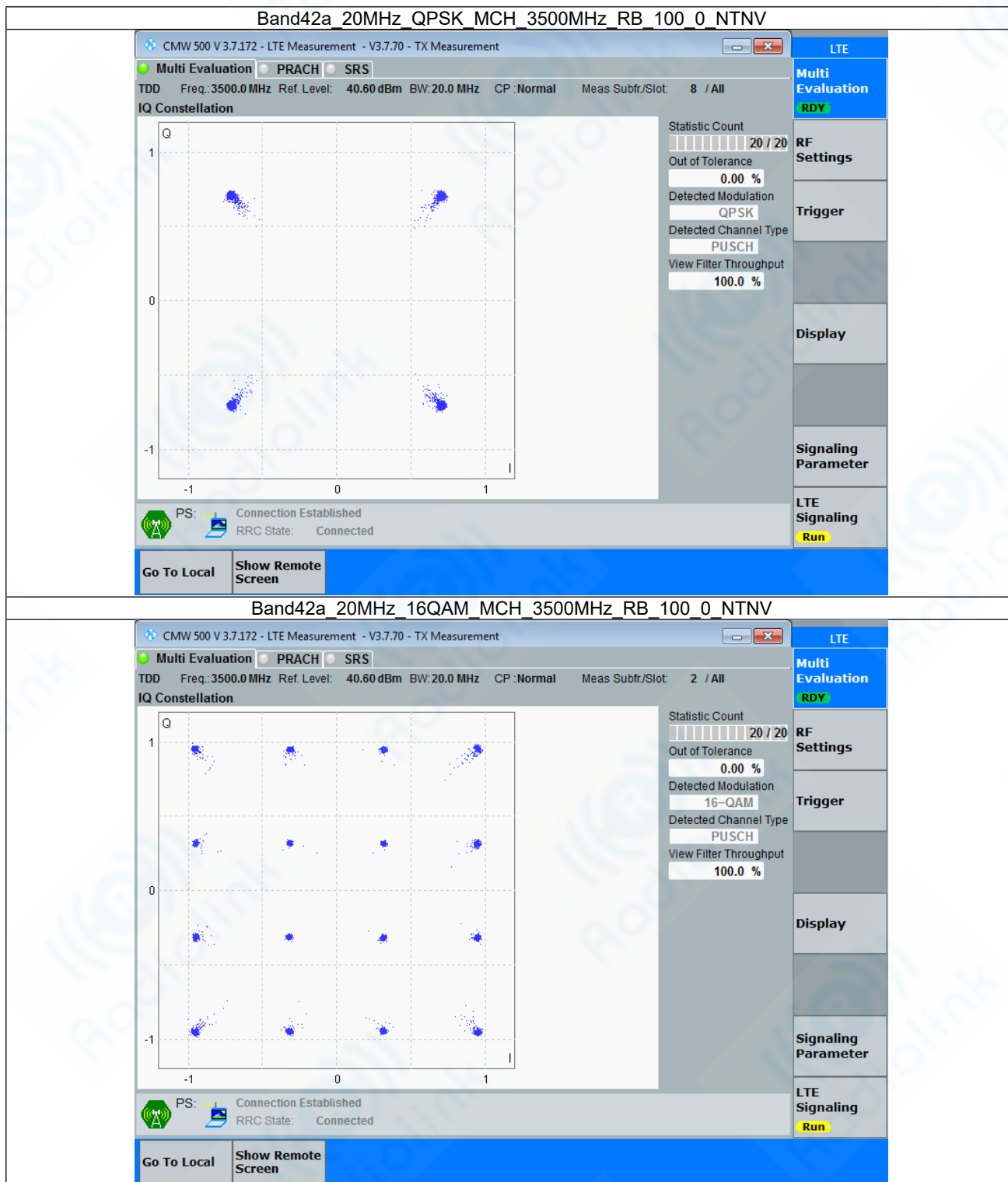
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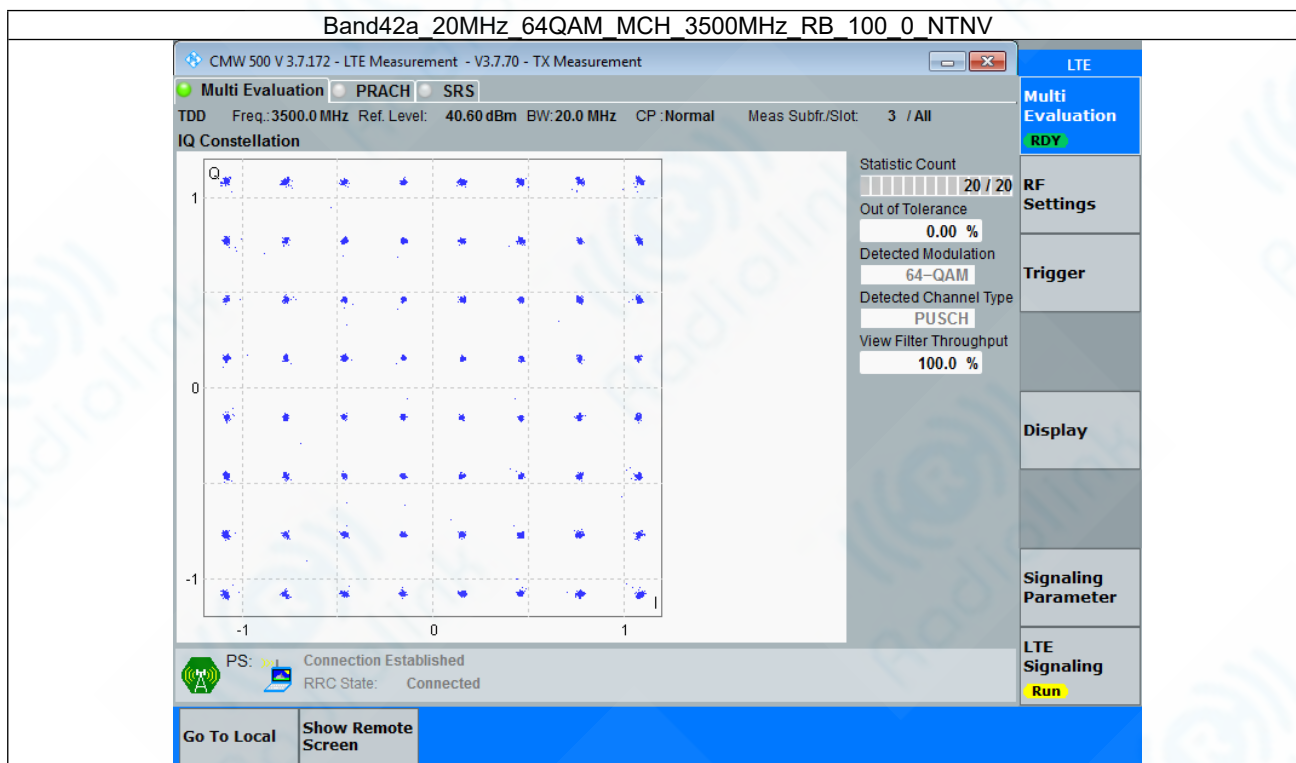


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3.2.4 B42a_20MHz





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4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band42a_OBW

Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3452.5	25	0	4.530	/	Pass
		3500	25	0	4.527	/	Pass
		3547.5	25	0	4.519	/	Pass
	16QAM	3452.5	25	0	4.517	/	Pass
		3500	25	0	4.528	/	Pass
		3547.5	25	0	4.546	/	Pass
	64QAM	3452.5	25	0	4.538	/	Pass
		3500	25	0	4.525	/	Pass
		3547.5	25	0	4.525	/	Pass
10	QPSK	3455	50	0	8.945	/	Pass
		3500	50	0	8.960	/	Pass
		3545	50	0	8.972	/	Pass
	16QAM	3455	50	0	8.959	/	Pass
		3500	50	0	8.962	/	Pass
		3545	50	0	8.964	/	Pass
	64QAM	3455	50	0	8.965	/	Pass
		3500	50	0	8.954	/	Pass
		3545	50	0	8.960	/	Pass
15	QPSK	3457.5	75	0	13.493	/	Pass
		3500	75	0	13.469	/	Pass
		3542.5	75	0	13.455	/	Pass
	16QAM	3457.5	75	0	13.455	/	Pass
		3500	75	0	13.420	/	Pass
		3542.5	75	0	13.495	/	Pass
	64QAM	3457.5	75	0	13.454	/	Pass
		3500	75	0	13.527	/	Pass
		3542.5	75	0	13.457	/	Pass
20	QPSK	3460	100	0	17.855	/	Pass
		3500	100	0	17.858	/	Pass
		3540	100	0	17.907	/	Pass
	16QAM	3460	100	0	17.864	/	Pass
		3500	100	0	17.926	/	Pass
		3540	100	0	17.860	/	Pass
	64QAM	3460	100	0	17.956	/	Pass
		3500	100	0	17.943	/	Pass
		3540	100	0	17.905	/	Pass

4.1.2 Band42a_XDB

Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3452.5	25	0	5.079	/	Pass
		3500	25	0	5.189	/	Pass
		3547.5	25	0	5.208	/	Pass
	16QAM	3452.5	25	0	5.216	/	Pass
		3500	25	0	5.251	/	Pass
		3547.5	25	0	5.122	/	Pass
	64QAM	3452.5	25	0	5.496	/	Pass
		3500	25	0	5.180	/	Pass
		3540	25	0	5.180	/	Pass

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		3547.5	25	0	5.059	/	Pass
10	QPSK	3455	50	0	9.710	/	Pass
		3500	50	0	9.879	/	Pass
		3545	50	0	9.644	/	Pass
		3455	50	0	9.754	/	Pass
	16QAM	3500	50	0	9.798	/	Pass
		3545	50	0	9.746	/	Pass
		3455	50	0	9.842	/	Pass
	64QAM	3500	50	0	9.725	/	Pass
		3545	50	0	9.807	/	Pass
15	QPSK	3457.5	75	0	14.683	/	Pass
		3500	75	0	14.512	/	Pass
		3542.5	75	0	14.717	/	Pass
	16QAM	3457.5	75	0	14.600	/	Pass
		3500	75	0	14.680	/	Pass
		3542.5	75	0	14.592	/	Pass
	64QAM	3457.5	75	0	14.638	/	Pass
		3500	75	0	14.597	/	Pass
		3542.5	75	0	14.706	/	Pass
20	QPSK	3460	100	0	19.187	/	Pass
		3500	100	0	19.252	/	Pass
		3540	100	0	19.275	/	Pass
	16QAM	3460	100	0	18.993	/	Pass
		3500	100	0	19.067	/	Pass
		3540	100	0	19.294	/	Pass
	64QAM	3460	100	0	19.253	/	Pass
		3500	100	0	19.366	/	Pass
		3540	100	0	19.492	/	Pass

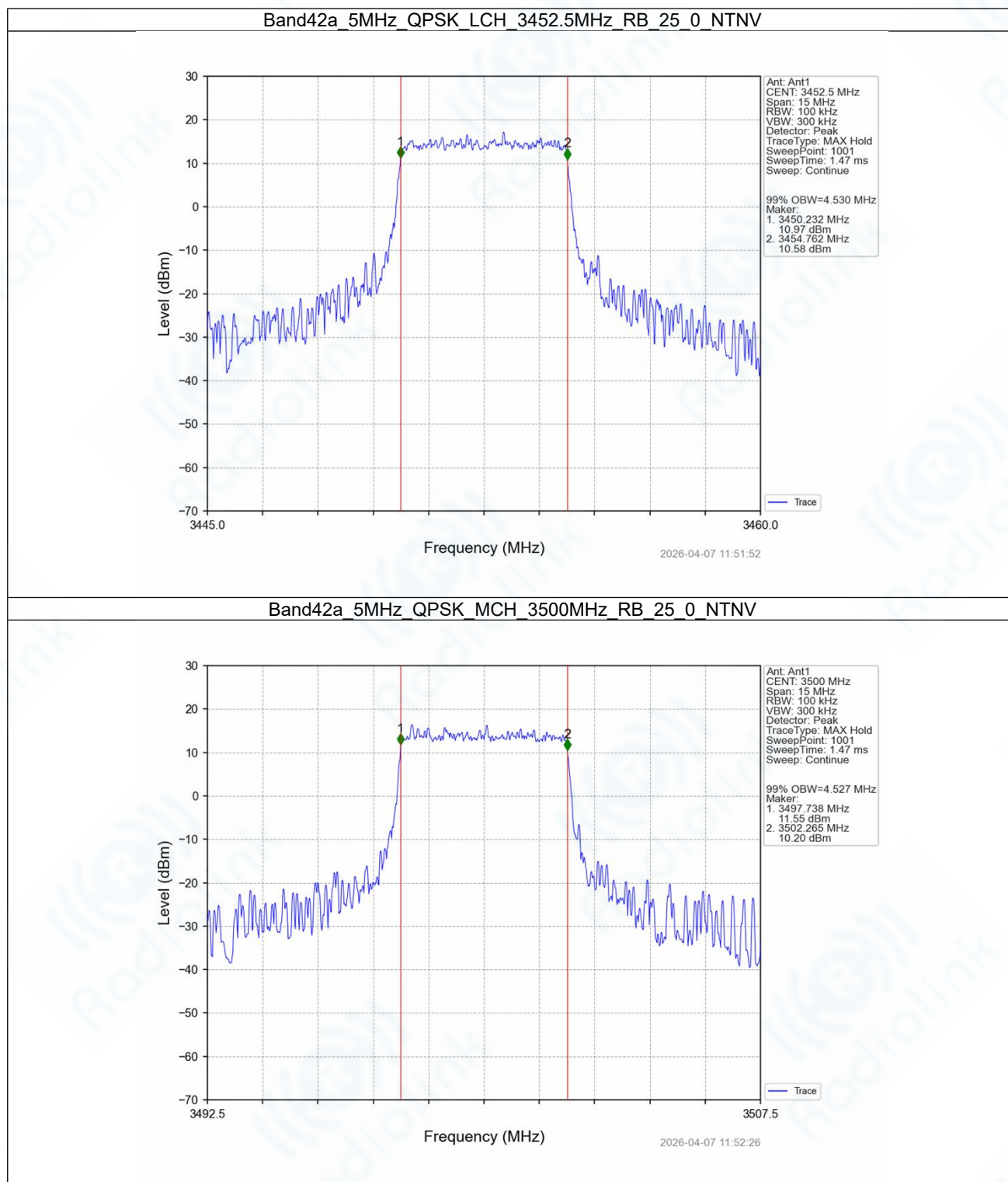


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4.2 Test Graph

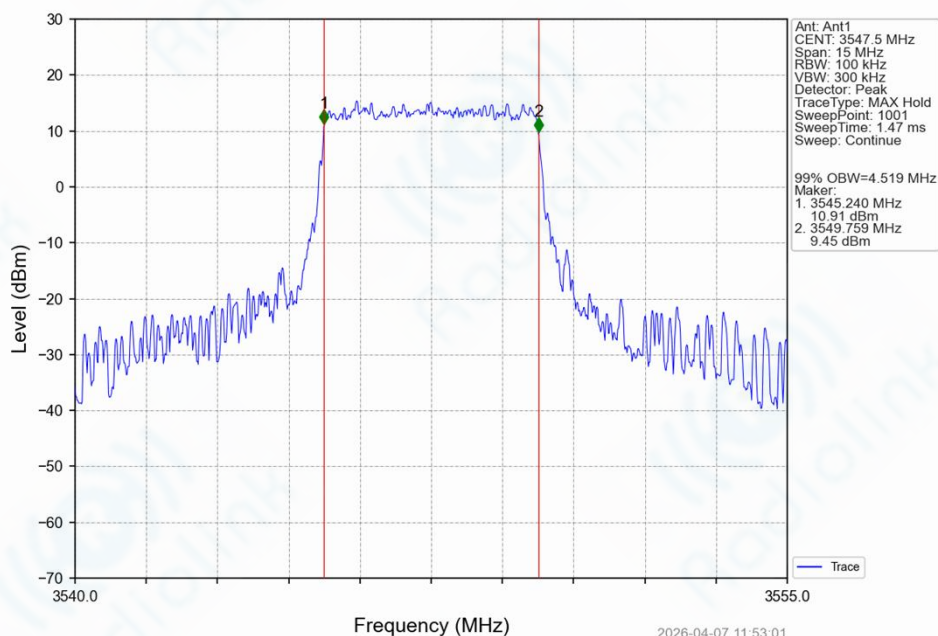
4.2.1 Band42a_OBW



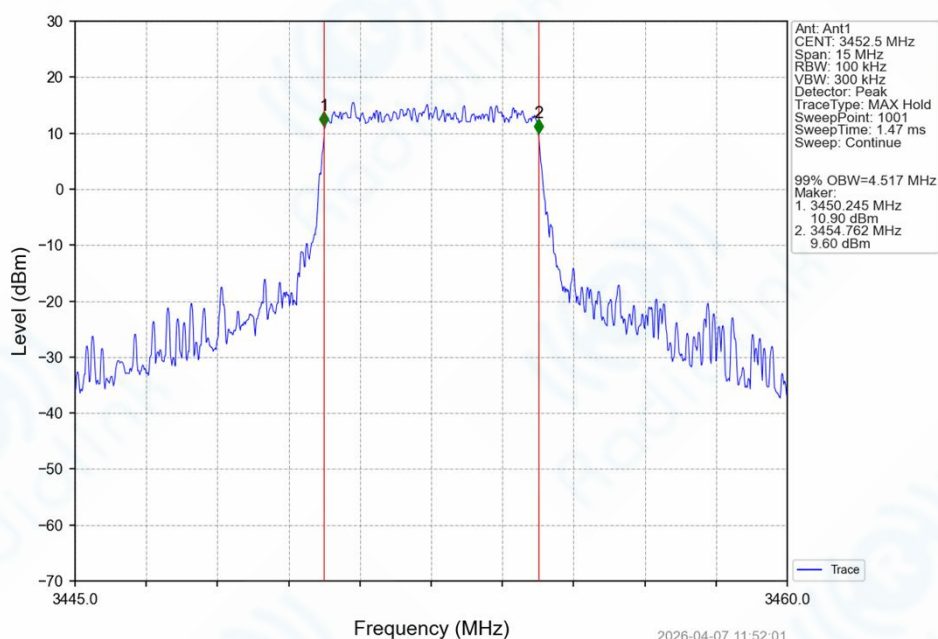
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Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV



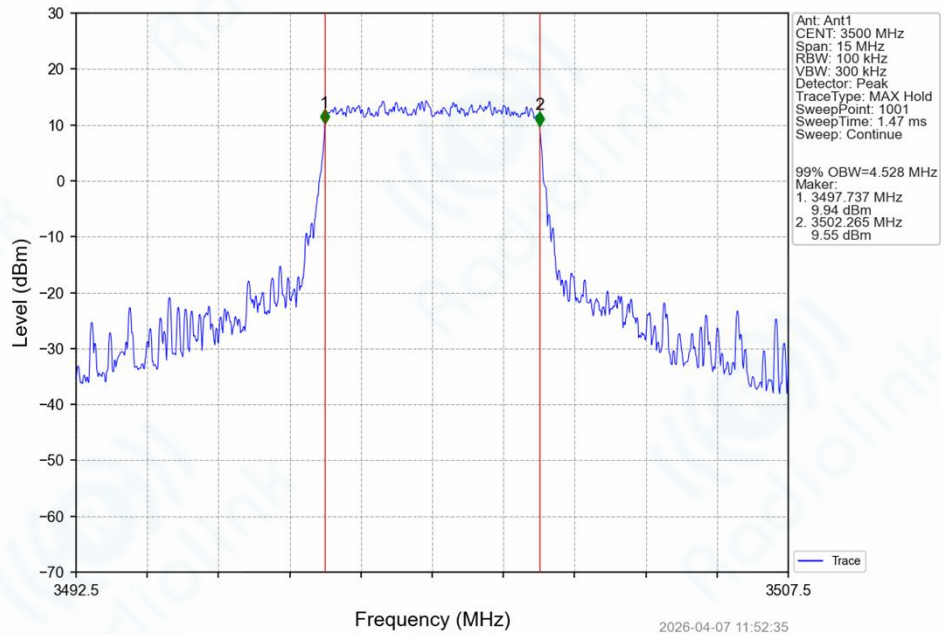
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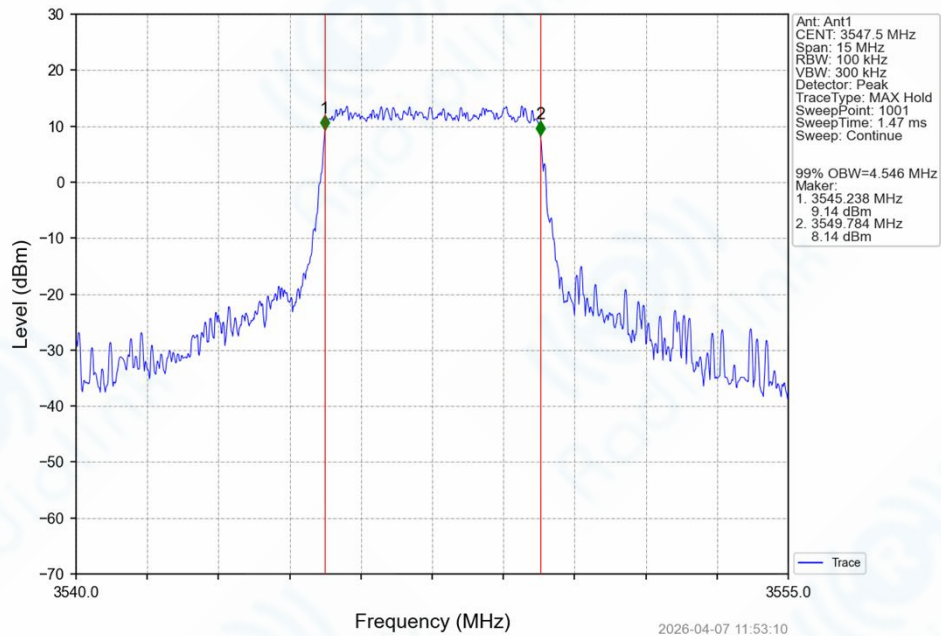
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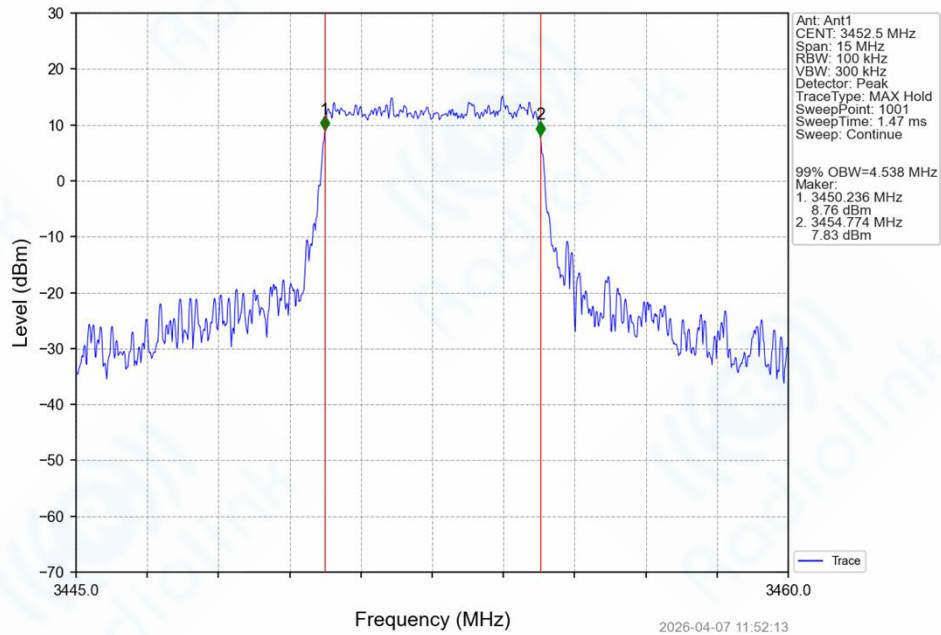
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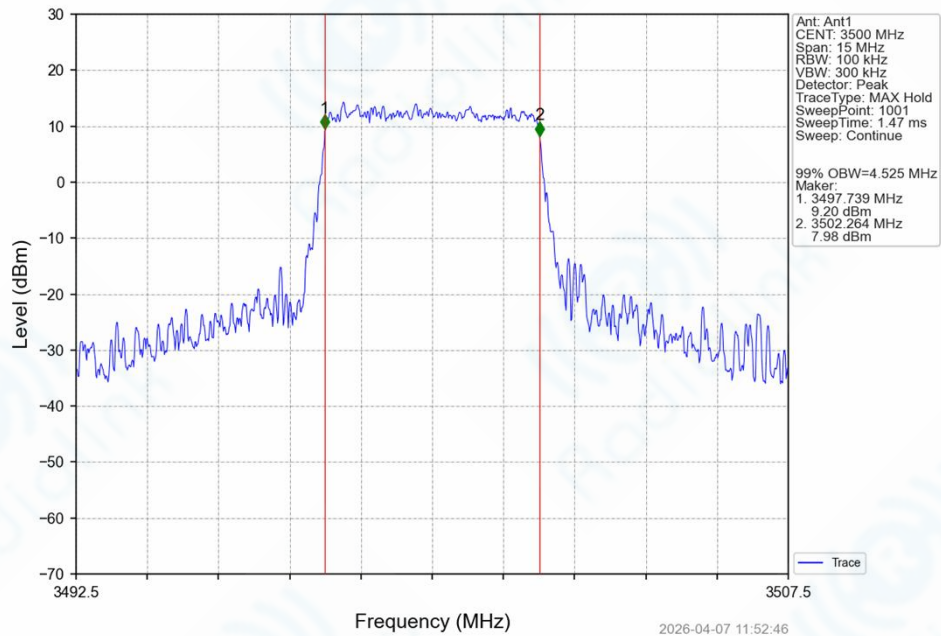
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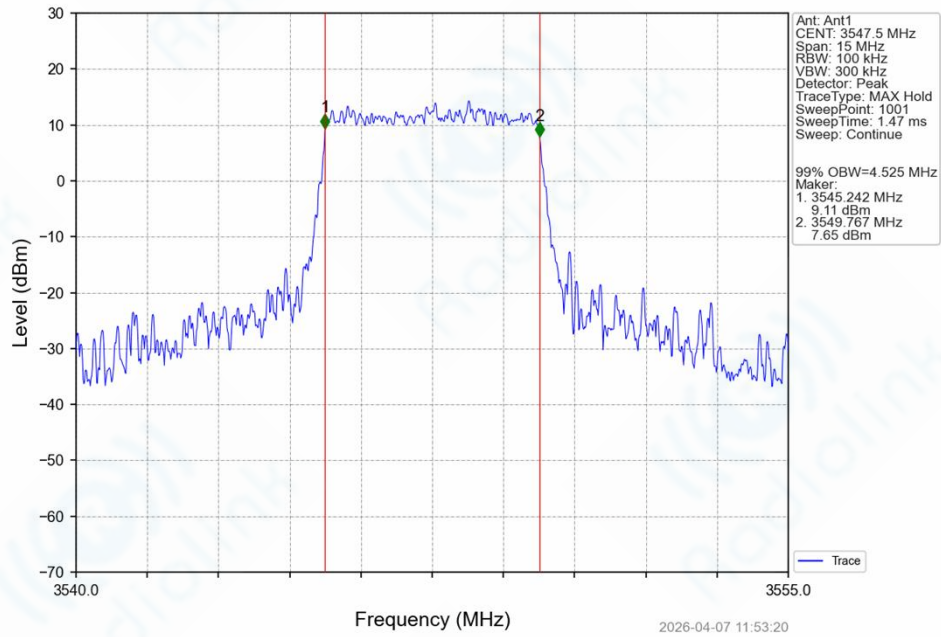
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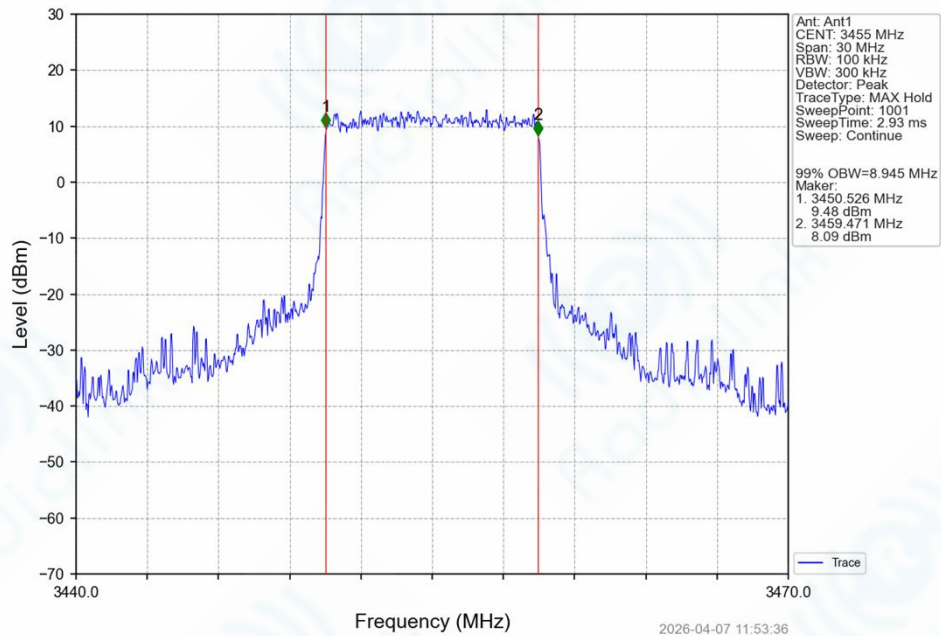
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Band42a_5MHz_64QAM_HCH_3547.5MHz_RB_25_0_NTNV



Band42a_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV

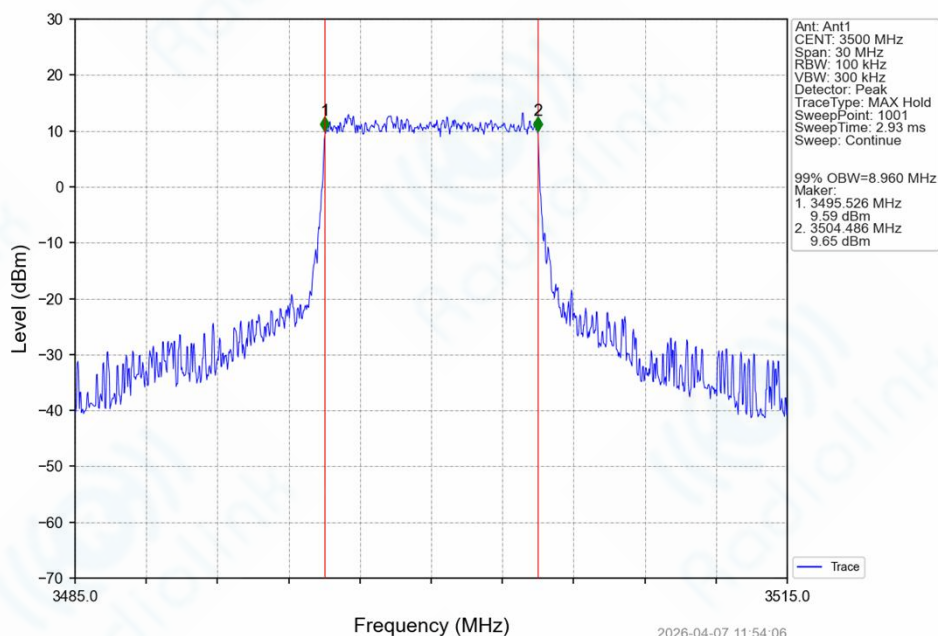


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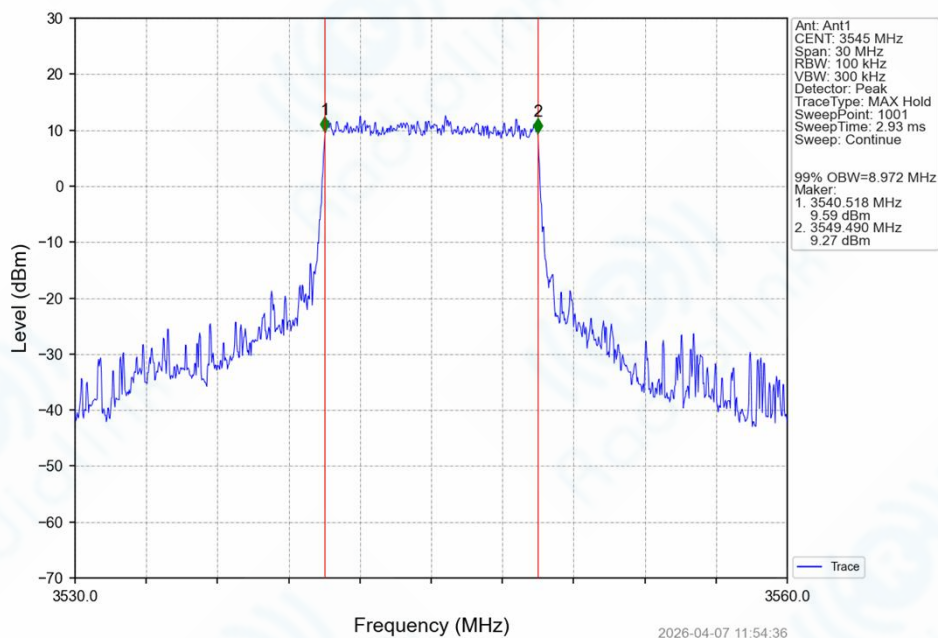
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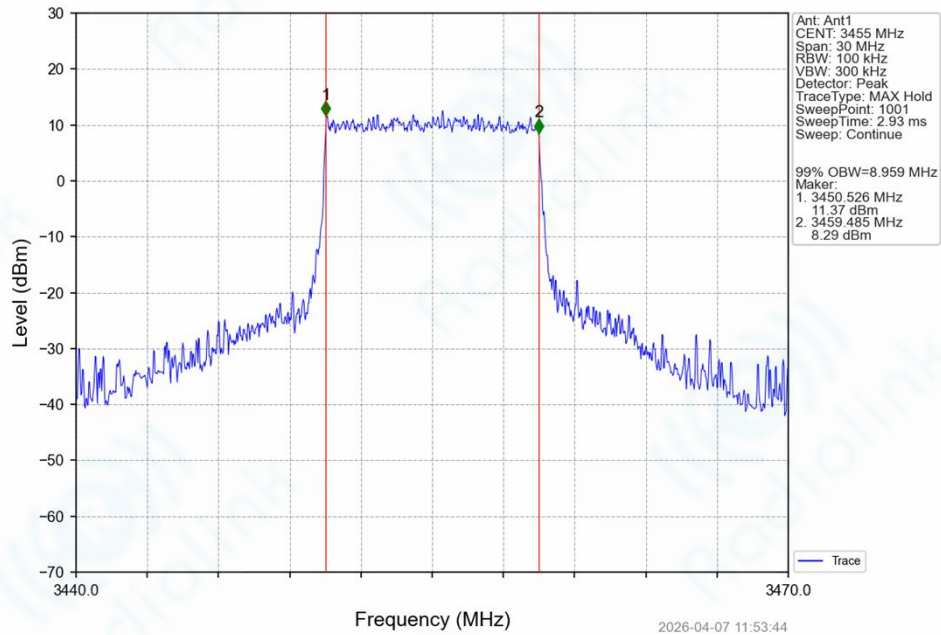
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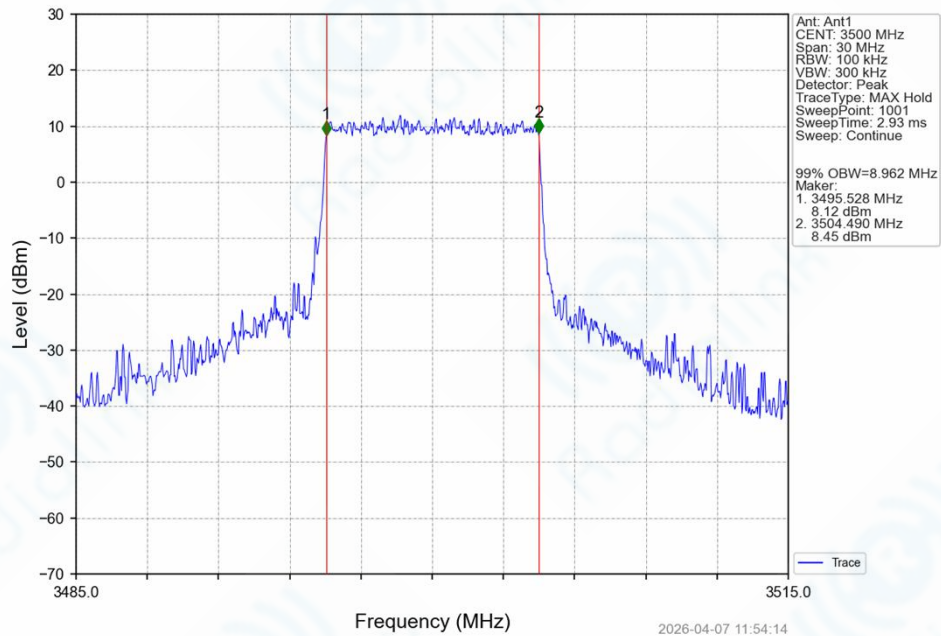
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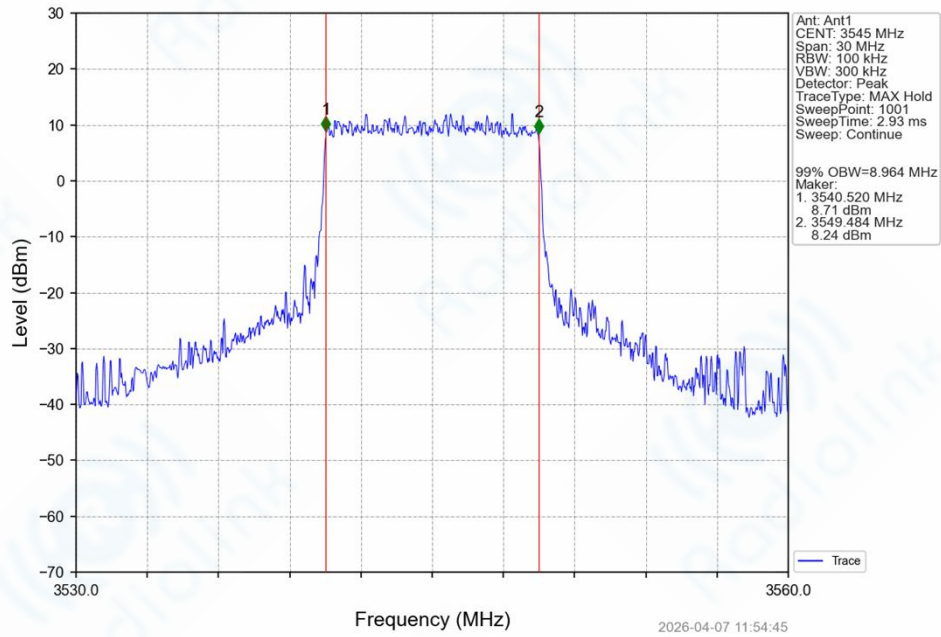


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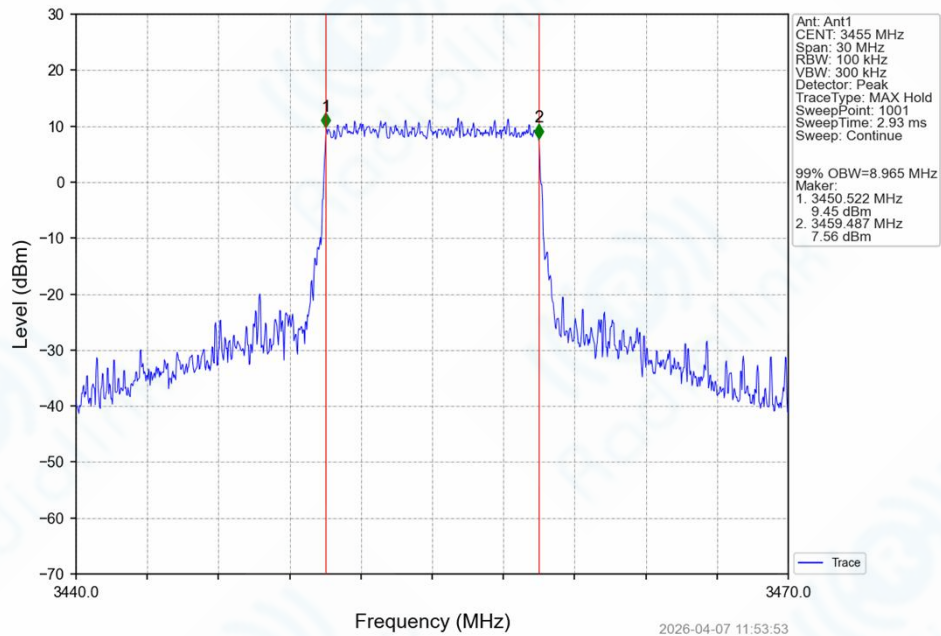
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Band42a_10MHz_64QAM_LCH_3455MHz_RB_50_0_NTNV

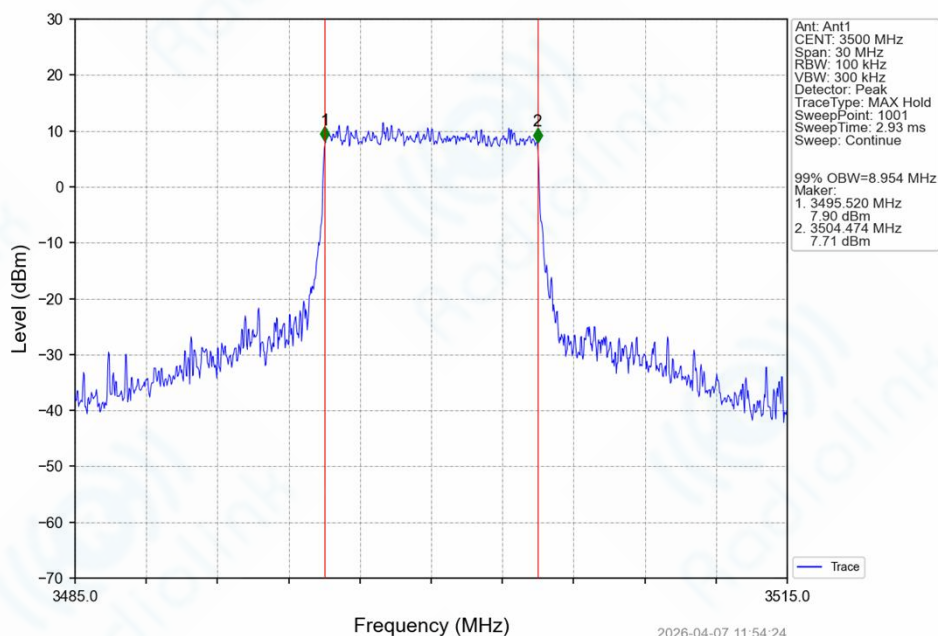


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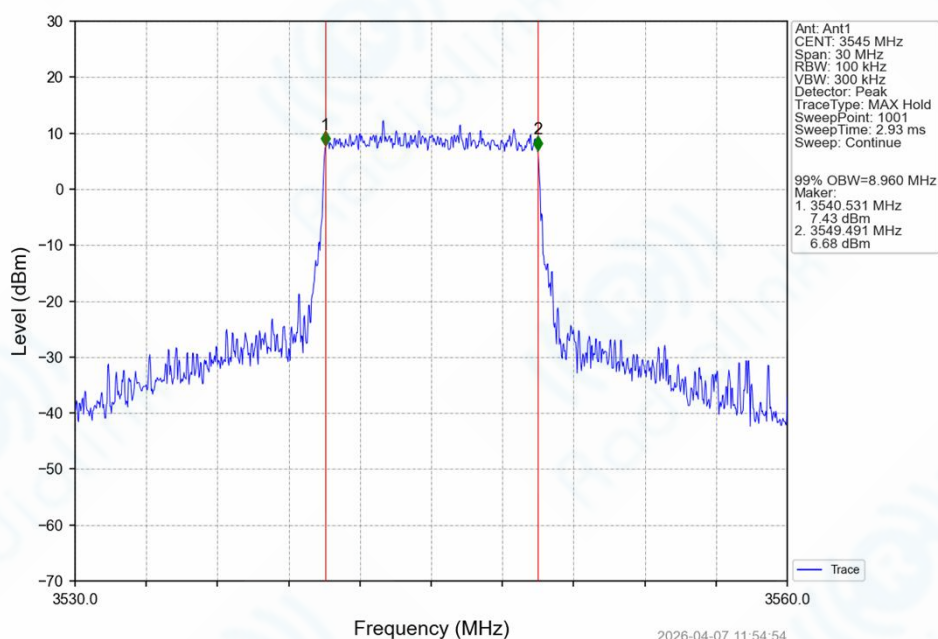
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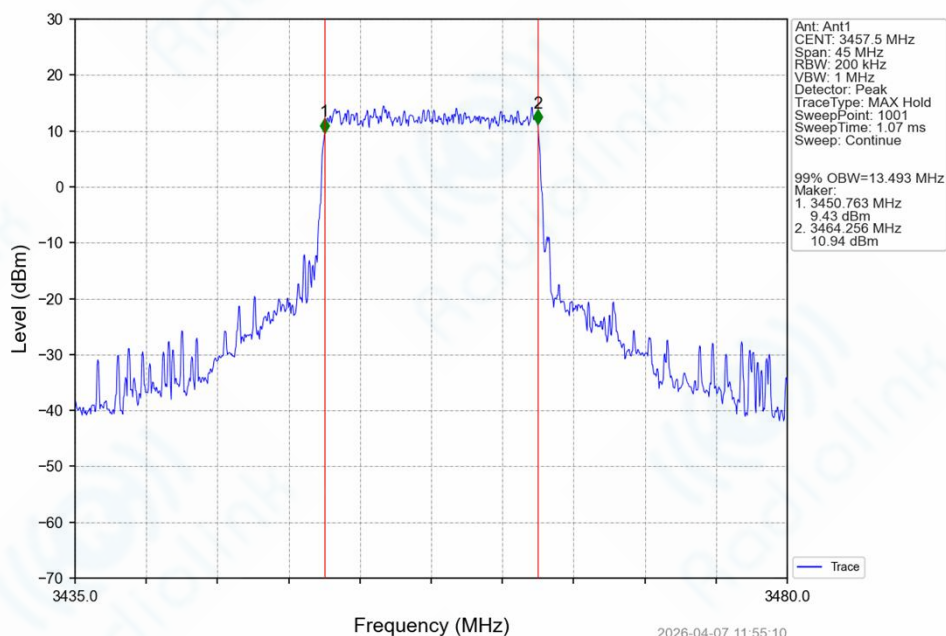
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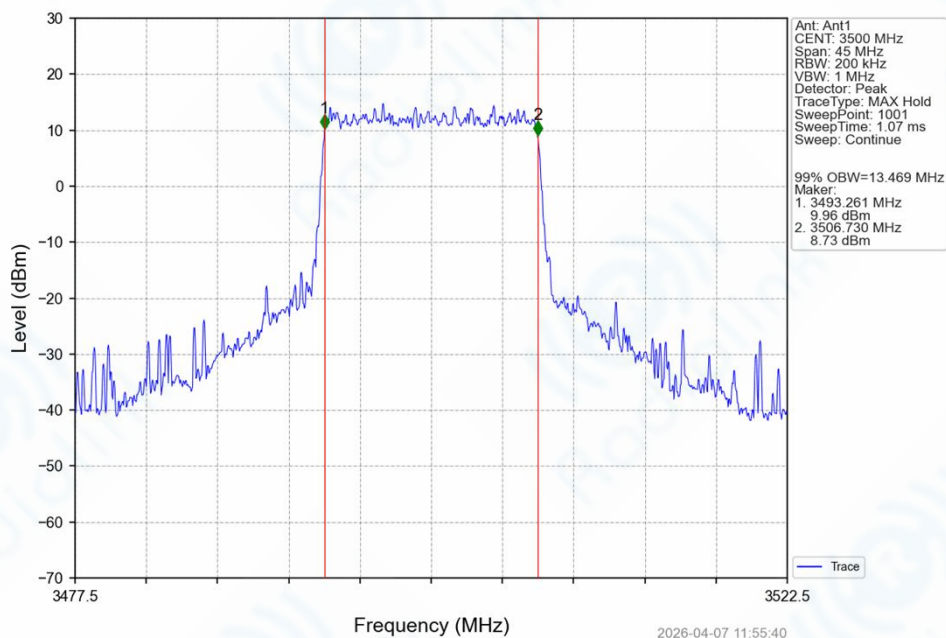
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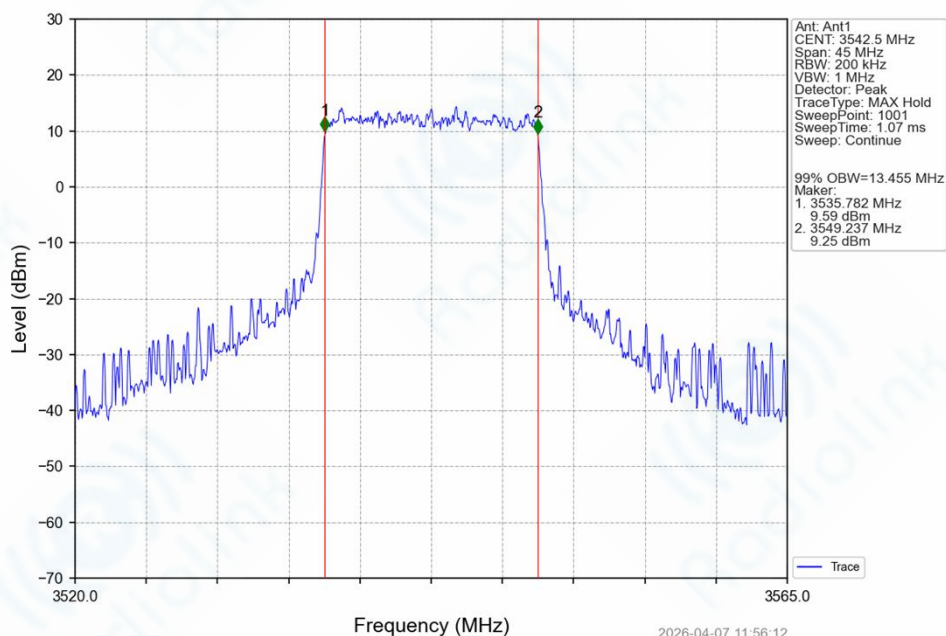


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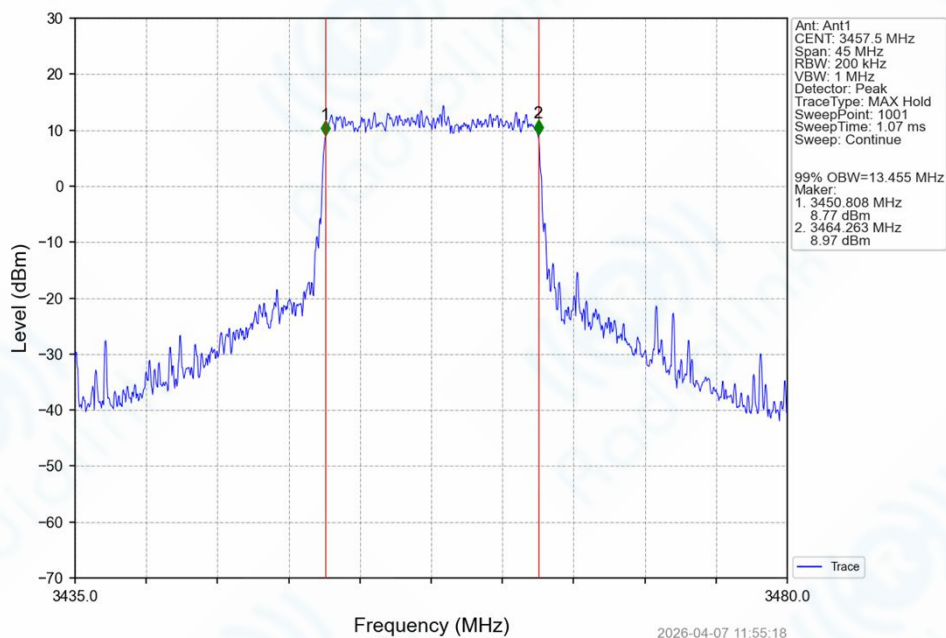

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Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_75_0_NTNV



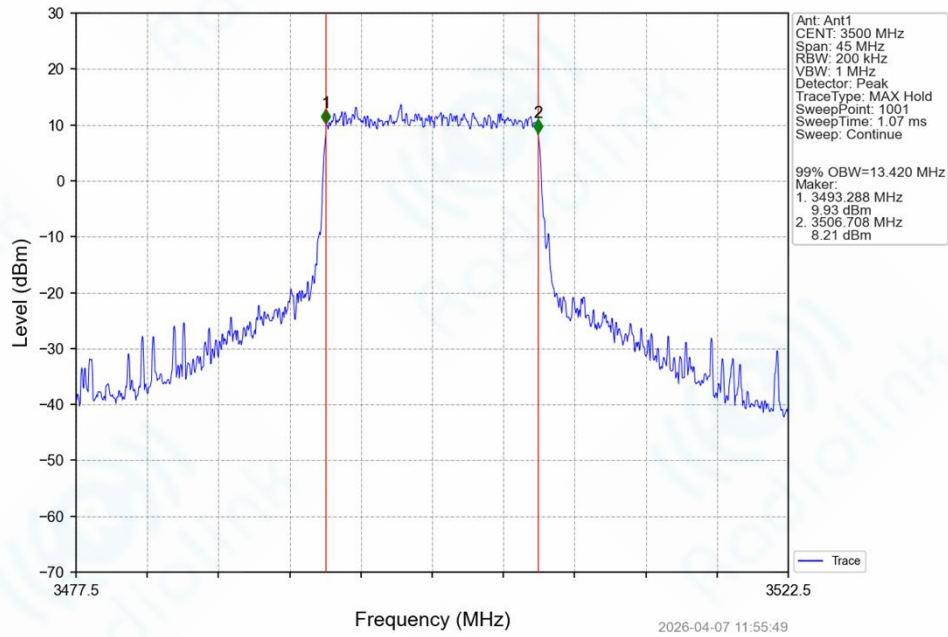
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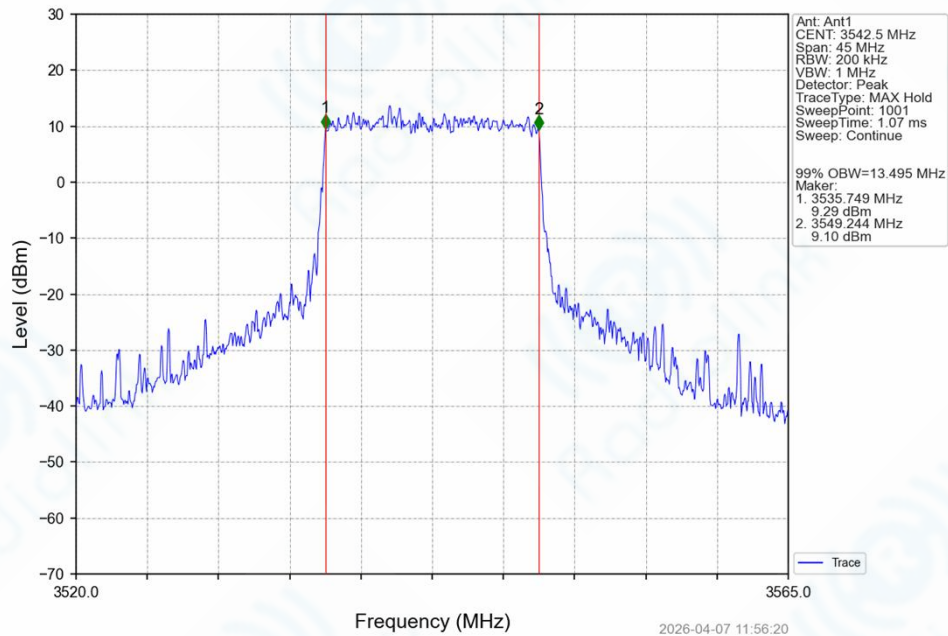
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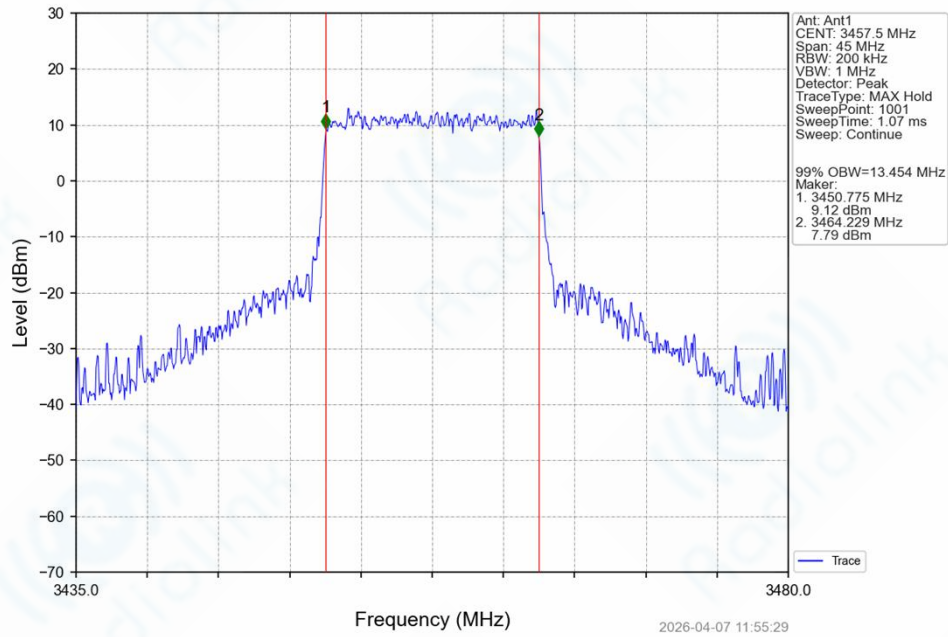
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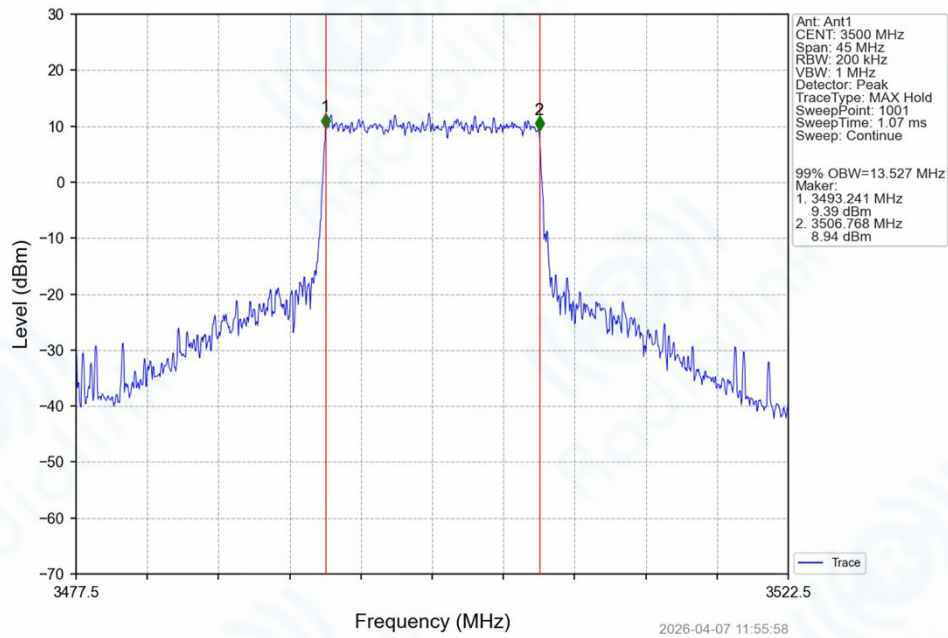
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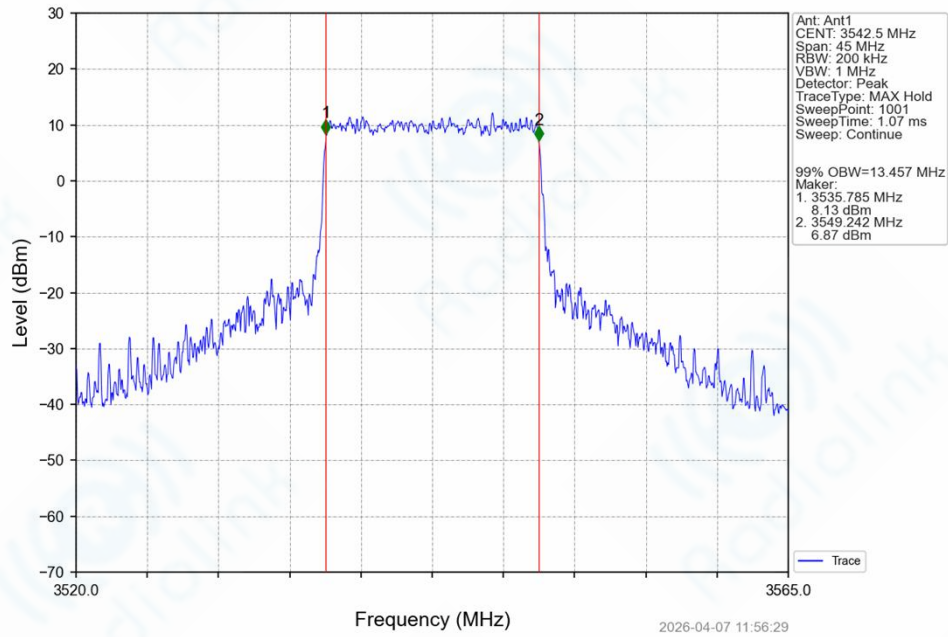


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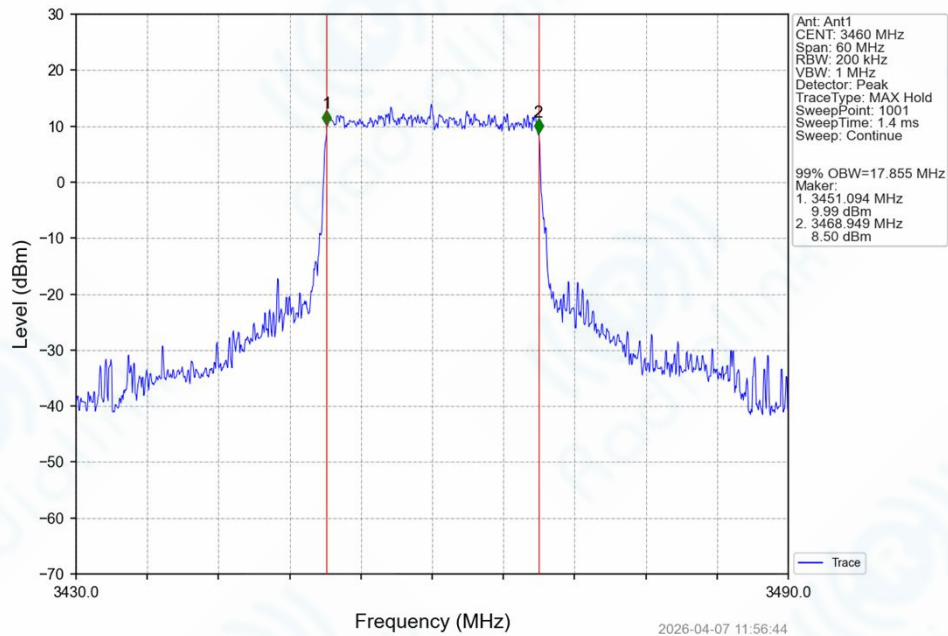
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Band42a_15MHz_64QAM_HCH_3542.5MHz_RB_75_0_NTNV



Band42a_20MHz_QPSK_LCH_3460MHz_RB_100_0_NTNV

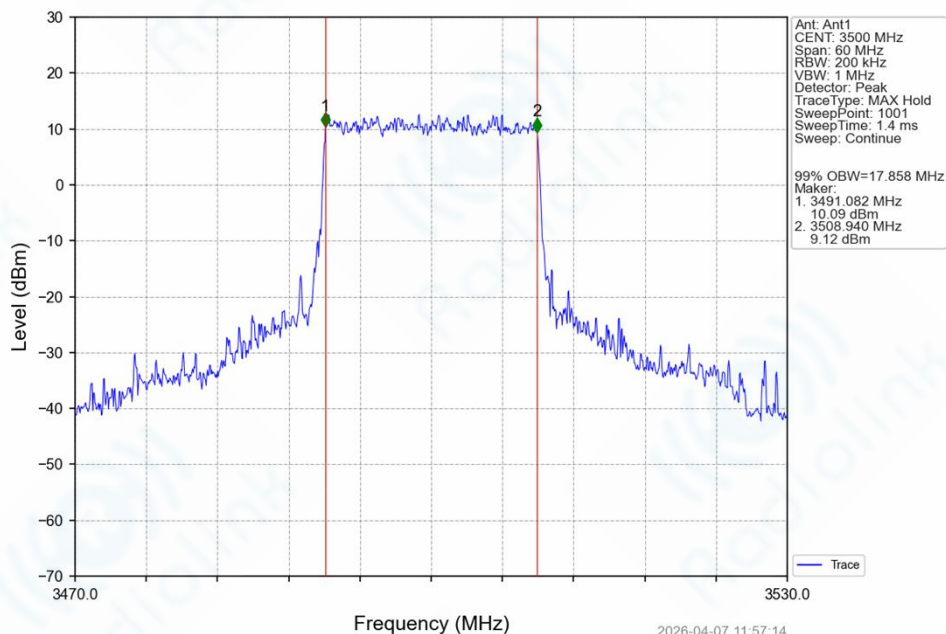


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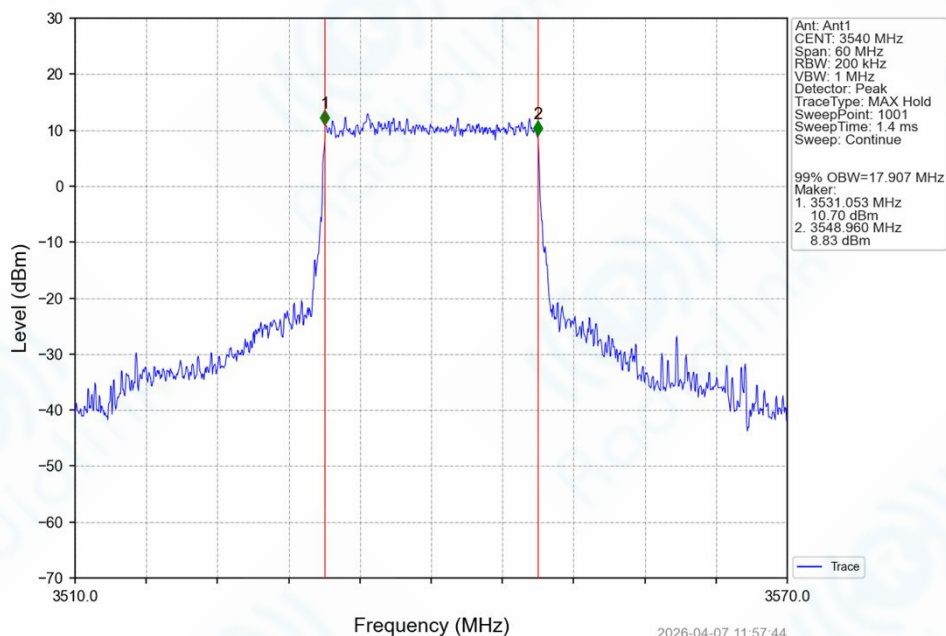
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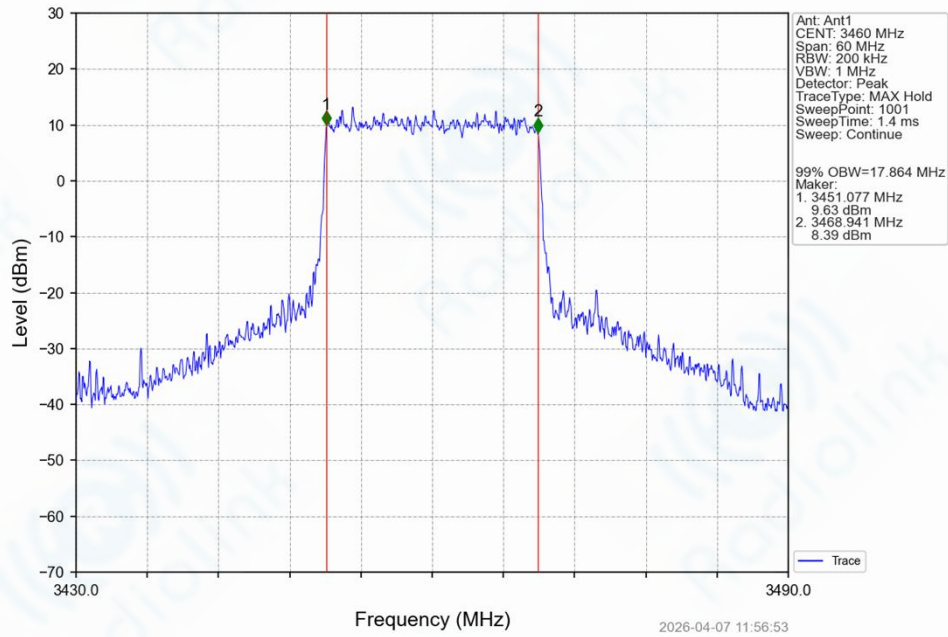
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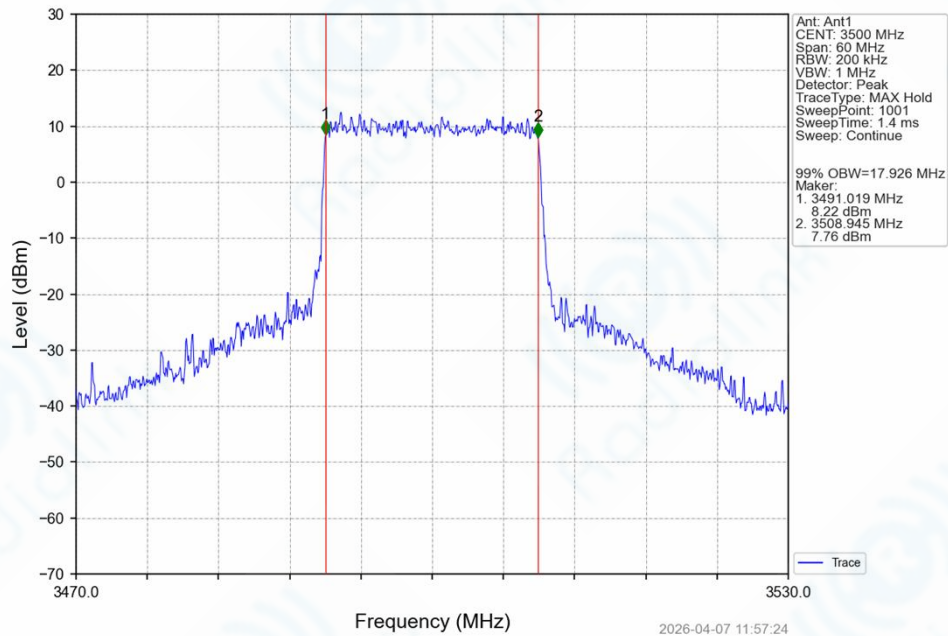
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Band42a_20MHz_16QAM_LCH_3460MHz_RB_100_0_NTNV



Band42a_20MHz_16QAM_MCH_3500MHz_RB_100_0_NTNV


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