

Appendix B.2

LTE Band 4



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1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	23.53	4.86	28.39	<=30	Pass
			2	23.62	4.86	28.48	<=30	Pass
			5	23.51	4.86	28.37	<=30	Pass
		3	0	23.40	4.86	28.26	<=30	Pass
			2	23.33	4.86	28.19	<=30	Pass
			3	23.27	4.86	28.13	<=30	Pass
		6	0	22.44	4.86	27.30	<=30	Pass
	1732.5	1	0	23.54	4.86	28.40	<=30	Pass
			2	23.57	4.86	28.43	<=30	Pass
			5	23.50	4.86	28.36	<=30	Pass
		3	0	23.49	4.86	28.35	<=30	Pass
			2	23.52	4.86	28.38	<=30	Pass
			3	23.48	4.86	28.34	<=30	Pass
		6	0	22.54	4.86	27.40	<=30	Pass
	1754.3	1	0	23.71	4.86	28.57	<=30	Pass
			2	23.82	4.86	28.68	<=30	Pass
			5	23.73	4.86	28.59	<=30	Pass
		3	0	23.73	4.86	28.59	<=30	Pass
			2	23.75	4.86	28.61	<=30	Pass
			3	23.76	4.86	28.62	<=30	Pass
		6	0	22.75	4.86	27.61	<=30	Pass
16QAM	1710.7	1	0	22.58	4.86	27.44	<=30	Pass
			2	22.57	4.86	27.43	<=30	Pass
			5	22.51	4.86	27.37	<=30	Pass
		3	0	22.39	4.86	27.25	<=30	Pass
			2	22.33	4.86	27.19	<=30	Pass
			3	22.31	4.86	27.17	<=30	Pass
		6	0	21.50	4.86	26.36	<=30	Pass
	1732.5	1	0	22.60	4.86	27.46	<=30	Pass



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			2	22.66	4.86	27.52	<=30	Pass
			5	22.77	4.86	27.63	<=30	Pass
			0	22.54	4.86	27.40	<=30	Pass
		3	2	22.62	4.86	27.48	<=30	Pass
			3	22.58	4.86	27.44	<=30	Pass
		6	0	21.54	4.86	26.40	<=30	Pass
	1754.3	1	0	22.85	4.86	27.71	<=30	Pass
			2	22.99	4.86	27.85	<=30	Pass
			5	22.80	4.86	27.66	<=30	Pass
		3	0	22.84	4.86	27.70	<=30	Pass
			2	22.81	4.86	27.67	<=30	Pass
			3	22.85	4.86	27.71	<=30	Pass
		6	0	21.80	4.86	26.66	<=30	Pass
		Note1: EIRP=Conducted Power+Antenna Gain						

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	23.46	4.86	28.32	<=30	Pass
			7	23.50	4.86	28.36	<=30	Pass
			14	23.29	4.86	28.15	<=30	Pass
		8	0	22.56	4.86	27.42	<=30	Pass
			4	22.49	4.86	27.35	<=30	Pass
			7	22.44	4.86	27.30	<=30	Pass
		15	0	22.45	4.86	27.31	<=30	Pass
	1732.5	1	0	23.51	4.86	28.37	<=30	Pass
			7	23.70	4.86	28.56	<=30	Pass
			14	23.46	4.86	28.32	<=30	Pass
		8	0	22.47	4.86	27.33	<=30	Pass
			4	22.57	4.86	27.43	<=30	Pass
			7	22.53	4.86	27.39	<=30	Pass
		15	0	22.58	4.86	27.44	<=30	Pass
	1753.5	1	0	23.69	4.86	28.55	<=30	Pass
			7	23.84	4.86	28.70	<=30	Pass
			14	23.77	4.86	28.63	<=30	Pass
		8	0	22.72	4.86	27.58	<=30	Pass



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			4	22.76	4.86	27.62	<=30	Pass
			7	22.79	4.86	27.65	<=30	Pass
		15	0	22.74	4.86	27.60	<=30	Pass
16QAM	1711.5	1	0	22.60	4.86	27.46	<=30	Pass
			7	22.56	4.86	27.42	<=30	Pass
			14	22.46	4.86	27.32	<=30	Pass
		8	0	21.60	4.86	26.46	<=30	Pass
			4	21.65	4.86	26.51	<=30	Pass
			7	21.60	4.86	26.46	<=30	Pass
		15	0	21.60	4.86	26.46	<=30	Pass
	1732.5	1	0	22.67	4.86	27.53	<=30	Pass
			7	22.88	4.86	27.74	<=30	Pass
			14	22.71	4.86	27.57	<=30	Pass
		8	0	21.56	4.86	26.42	<=30	Pass
			4	21.59	4.86	26.45	<=30	Pass
			7	21.56	4.86	26.42	<=30	Pass
		15	0	21.58	4.86	26.44	<=30	Pass
	1753.5	1	0	22.87	4.86	27.73	<=30	Pass
			7	23.05	4.86	27.91	<=30	Pass
			14	22.91	4.86	27.77	<=30	Pass
		8	0	21.75	4.86	26.61	<=30	Pass
			4	21.81	4.86	26.67	<=30	Pass
			7	21.79	4.86	26.65	<=30	Pass
		15	0	21.75	4.86	26.61	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B4_5MHz_EIRP

Band: 4 / Bandwidth: 5MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	23.59	4.86	28.45	<=30	Pass
			13	23.49	4.86	28.35	<=30	Pass
			24	23.41	4.86	28.27	<=30	Pass
		12	0	22.62	4.86	27.48	<=30	Pass
			6	22.57	4.86	27.43	<=30	Pass
			13	22.47	4.86	27.33	<=30	Pass
		25	0	22.52	4.86	27.38	<=30	Pass



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	1732.5	1	0	23.55	4.86	28.41	<=30	Pass
			13	23.60	4.86	28.46	<=30	Pass
			24	23.53	4.86	28.39	<=30	Pass
		12	0	22.53	4.86	27.39	<=30	Pass
			6	22.62	4.86	27.48	<=30	Pass
			13	22.59	4.86	27.45	<=30	Pass
		25	0	22.60	4.86	27.46	<=30	Pass
	1752.5	1	0	23.79	4.86	28.65	<=30	Pass
			13	23.85	4.86	28.71	<=30	Pass
			24	23.82	4.86	28.68	<=30	Pass
		12	0	22.73	4.86	27.59	<=30	Pass
			6	22.75	4.86	27.61	<=30	Pass
			13	22.85	4.86	27.71	<=30	Pass
		25	0	22.74	4.86	27.60	<=30	Pass
16QAM	1712.5	1	0	22.71	4.86	27.57	<=30	Pass
			13	22.48	4.86	27.34	<=30	Pass
			24	22.48	4.86	27.34	<=30	Pass
		12	0	21.64	4.86	26.50	<=30	Pass
			6	21.58	4.86	26.44	<=30	Pass
			13	21.51	4.86	26.37	<=30	Pass
		25	0	21.62	4.86	26.48	<=30	Pass
	1732.5	1	0	22.79	4.86	27.65	<=30	Pass
			13	22.75	4.86	27.61	<=30	Pass
			24	22.85	4.86	27.71	<=30	Pass
		12	0	21.64	4.86	26.50	<=30	Pass
			6	21.64	4.86	26.50	<=30	Pass
			13	21.58	4.86	26.44	<=30	Pass
		25	0	21.63	4.86	26.49	<=30	Pass
	1752.5	1	0	22.94	4.86	27.80	<=30	Pass
			13	23.09	4.86	27.95	<=30	Pass
			24	23.03	4.86	27.89	<=30	Pass
		12	0	21.82	4.86	26.68	<=30	Pass
			6	21.78	4.86	26.64	<=30	Pass
			13	21.68	4.86	26.54	<=30	Pass
		25	0	21.75	4.86	26.61	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B4_10MHz_EIRP



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Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	23.60	4.86	28.46	<=30	Pass
			25	23.52	4.86	28.38	<=30	Pass
			49	23.54	4.86	28.40	<=30	Pass
		25	0	22.58	4.86	27.44	<=30	Pass
			13	22.56	4.86	27.42	<=30	Pass
			25	22.61	4.86	27.47	<=30	Pass
		50	0	22.58	4.86	27.44	<=30	Pass
	1732.5	1	0	23.59	4.86	28.45	<=30	Pass
			25	23.60	4.86	28.46	<=30	Pass
			49	23.62	4.86	28.48	<=30	Pass
		25	0	22.58	4.86	27.44	<=30	Pass
			13	22.65	4.86	27.51	<=30	Pass
			25	22.64	4.86	27.50	<=30	Pass
		50	0	22.64	4.86	27.50	<=30	Pass
	1750	1	0	23.59	4.86	28.45	<=30	Pass
			25	23.79	4.86	28.65	<=30	Pass
			49	23.70	4.86	28.56	<=30	Pass
		25	0	22.67	4.86	27.53	<=30	Pass
			13	22.73	4.86	27.59	<=30	Pass
			25	22.81	4.86	27.67	<=30	Pass
		50	0	22.69	4.86	27.55	<=30	Pass
16QAM	1715	1	0	22.79	4.86	27.65	<=30	Pass
			25	22.44	4.86	27.30	<=30	Pass
			49	22.72	4.86	27.58	<=30	Pass
		25	0	21.63	4.86	26.49	<=30	Pass
			13	21.58	4.86	26.44	<=30	Pass
			25	21.68	4.86	26.54	<=30	Pass
		50	0	21.67	4.86	26.53	<=30	Pass
	1732.5	1	0	22.76	4.86	27.62	<=30	Pass
			25	22.79	4.86	27.65	<=30	Pass
			49	22.70	4.86	27.56	<=30	Pass
		25	0	21.60	4.86	26.46	<=30	Pass
			13	21.67	4.86	26.53	<=30	Pass
			25	21.62	4.86	26.48	<=30	Pass
		50	0	21.66	4.86	26.52	<=30	Pass



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	1750	1	0	22.75	4.86	27.61	<=30	Pass
			25	22.88	4.86	27.74	<=30	Pass
			49	22.93	4.86	27.79	<=30	Pass
		25	0	21.70	4.86	26.56	<=30	Pass
			13	21.74	4.86	26.60	<=30	Pass
			25	21.83	4.86	26.69	<=30	Pass
		50	0	21.75	4.86	26.61	<=30	Pass
		Note1: EIRP=Conducted Power+Antenna Gain						

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	23.39	4.86	28.25	<=30	Pass
			38	23.37	4.86	28.23	<=30	Pass
			74	23.35	4.86	28.21	<=30	Pass
		36	0	22.47	4.86	27.33	<=30	Pass
			18	22.39	4.86	27.25	<=30	Pass
			39	22.52	4.86	27.38	<=30	Pass
		75	0	22.47	4.86	27.33	<=30	Pass
	1732.5	1	0	23.59	4.86	28.45	<=30	Pass
			38	23.43	4.86	28.29	<=30	Pass
			74	23.42	4.86	28.28	<=30	Pass
		36	0	22.44	4.86	27.30	<=30	Pass
			18	22.43	4.86	27.29	<=30	Pass
			39	22.48	4.86	27.34	<=30	Pass
		75	0	22.50	4.86	27.36	<=30	Pass
	1747.5	1	0	23.48	4.86	28.34	<=30	Pass
			38	23.63	4.86	28.49	<=30	Pass
			74	23.64	4.86	28.50	<=30	Pass
		36	0	22.51	4.86	27.37	<=30	Pass
			18	22.60	4.86	27.46	<=30	Pass
			39	22.66	4.86	27.52	<=30	Pass
		75	0	22.53	4.86	27.39	<=30	Pass
16QAM	1717.5	1	0	22.74	4.86	27.60	<=30	Pass
			38	22.42	4.86	27.28	<=30	Pass
			74	22.71	4.86	27.57	<=30	Pass



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		36	0	21.47	4.86	26.33	<=30	Pass
			18	21.52	4.86	26.38	<=30	Pass
			39	21.51	4.86	26.37	<=30	Pass
		75	0	21.53	4.86	26.39	<=30	Pass
	1732.5	1	0	22.66	4.86	27.52	<=30	Pass
			38	22.67	4.86	27.53	<=30	Pass
			74	22.60	4.86	27.46	<=30	Pass
		36	0	21.48	4.86	26.34	<=30	Pass
			18	21.44	4.86	26.30	<=30	Pass
			39	21.51	4.86	26.37	<=30	Pass
		75	0	21.53	4.86	26.39	<=30	Pass
	1747.5	1	0	22.70	4.86	27.56	<=30	Pass
			38	22.77	4.86	27.63	<=30	Pass
			74	22.81	4.86	27.67	<=30	Pass
		36	0	21.55	4.86	26.41	<=30	Pass
			18	21.57	4.86	26.43	<=30	Pass
			39	21.68	4.86	26.54	<=30	Pass
		75	0	21.58	4.86	26.44	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	23.46	4.86	28.32	<=30	Pass
			50	23.54	4.86	28.40	<=30	Pass
			99	23.39	4.86	28.25	<=30	Pass
		50	0	22.51	4.86	27.37	<=30	Pass
			25	22.58	4.86	27.44	<=30	Pass
			50	22.50	4.86	27.36	<=30	Pass
		100	0	22.52	4.86	27.38	<=30	Pass
	1732.5	1	0	23.54	4.86	28.40	<=30	Pass
			50	23.48	4.86	28.34	<=30	Pass
			99	23.39	4.86	28.25	<=30	Pass
		50	0	22.49	4.86	27.35	<=30	Pass
			25	22.56	4.86	27.42	<=30	Pass
			50	22.51	4.86	27.37	<=30	Pass



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	1745	100	0	22.54	4.86	27.40	<=30	Pass
		1	0	23.46	4.86	28.32	<=30	Pass
			50	23.60	4.86	28.46	<=30	Pass
			99	23.66	4.86	28.52	<=30	Pass
		50	0	22.50	4.86	27.36	<=30	Pass
			25	22.61	4.86	27.47	<=30	Pass
			50	22.65	4.86	27.51	<=30	Pass
		100	0	22.59	4.86	27.45	<=30	Pass
16QAM	1720	1	0	22.59	4.86	27.45	<=30	Pass
			50	22.72	4.86	27.58	<=30	Pass
			99	22.58	4.86	27.44	<=30	Pass
		50	0	21.49	4.86	26.35	<=30	Pass
			25	21.57	4.86	26.43	<=30	Pass
			50	21.54	4.86	26.40	<=30	Pass
		100	0	21.58	4.86	26.44	<=30	Pass
	1732.5	1	0	22.54	4.86	27.40	<=30	Pass
			50	22.59	4.86	27.45	<=30	Pass
			99	22.50	4.86	27.36	<=30	Pass
		50	0	21.51	4.86	26.37	<=30	Pass
			25	21.56	4.86	26.42	<=30	Pass
			50	21.52	4.86	26.38	<=30	Pass
		100	0	21.55	4.86	26.41	<=30	Pass
	1745	1	0	22.96	4.86	27.82	<=30	Pass
			50	22.84	4.86	27.70	<=30	Pass
			99	22.82	4.86	27.68	<=30	Pass
		50	0	21.51	4.86	26.37	<=30	Pass
			25	21.63	4.86	26.49	<=30	Pass
			50	21.64	4.86	26.50	<=30	Pass
		100	0	21.64	4.86	26.50	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz



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Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	-17.223	-0.0101	-2.5 to 2.5	Pass
					3.85	-17.395	-0.0102	-2.5 to 2.5	Pass
					4.43	-13.447	-0.0079	-2.5 to 2.5	Pass
				-30	3.85	-9.556	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-6.638	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-5.136	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-3.705	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-2.618	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-8.469	-0.0049	-2.5 to 2.5	Pass
					3.85	-5.193	-0.0030	-2.5 to 2.5	Pass
					4.43	-3.433	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-2.933	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-4.892	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-6.251	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-7.997	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-11.144	-0.0064	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-18.439	-0.0105	-2.5 to 2.5	Pass
					3.85	-18.468	-0.0105	-2.5 to 2.5	Pass
					4.43	-16.694	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-13.762	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-8.798	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-5.980	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-5.336	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-2.947	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-1.473	-0.0008	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-0.486	-0.0003	-2.5 to 2.5	Pass
					3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
					4.43	0.086	0.0001	-2.5 to 2.5	Pass



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				-30	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				0	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				10	3.85	1.559	0.0009	-2.5 to 2.5	Pass
				30	3.85	1.860	0.0011	-2.5 to 2.5	Pass
				40	3.85	1.144	0.0007	-2.5 to 2.5	Pass
				50	3.85	0.715	0.0004	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-16.093	-0.0093	-2.5 to 2.5	Pass
					3.85	-18.153	-0.0105	-2.5 to 2.5	Pass
					4.43	-17.695	-0.0102	-2.5 to 2.5	Pass
				-30	3.85	-16.966	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-12.231	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-8.426	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-5.221	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-6.251	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-4.148	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-1.903	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-2.403	-0.0014	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	0.014	0.0000	-2.5 to 2.5	Pass
					3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
					4.43	0.944	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.958	0.0005	-2.5 to 2.5	Pass
				30	3.85	1.831	0.0010	-2.5 to 2.5	Pass
				40	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.644	0.0004	-2.5 to 2.5	Pass

2.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	-1.245	-0.0007	-2.5 to 2.5	Pass
					3.85	-1.059	-0.0006	-2.5 to 2.5	Pass



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					4.43	-0.458	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.858	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-1.130	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
	1732.5	15	0		3.27	0.916	0.0005	-2.5 to 2.5	Pass
					3.85	0.658	0.0004	-2.5 to 2.5	Pass
					4.43	0.257	0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.216	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				10	3.85	0.558	0.0003	-2.5 to 2.5	Pass
				30	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				50	3.85	0.815	0.0005	-2.5 to 2.5	Pass
	1753.5	15	0		3.27	0.801	0.0005	-2.5 to 2.5	Pass
					3.85	0.114	0.0001	-2.5 to 2.5	Pass
					4.43	1.230	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	1.903	0.0011	-2.5 to 2.5	Pass
				0	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.687	0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.359	-0.0008	-2.5 to 2.5	Pass
				50	3.85	0.200	0.0001	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-0.172	-0.0001	-2.5 to 2.5	Pass
					3.85	-1.631	-0.0010	-2.5 to 2.5	Pass
					4.43	-1.545	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-0.057	0.0000	-2.5 to 2.5	Pass



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				10	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-1.202	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.916	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	0.300	0.0002	-2.5 to 2.5	Pass
					3.85	0.186	0.0001	-2.5 to 2.5	Pass
					4.43	1.330	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.629	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.159	0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				0	3.85	1.330	0.0008	-2.5 to 2.5	Pass
				10	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				30	3.85	0.916	0.0005	-2.5 to 2.5	Pass
				40	3.85	1.330	0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-0.286	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
					4.43	0.043	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.858	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.787	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				10	3.85	0.758	0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass

2.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	-2.131	-0.0012	-2.5 to 2.5	Pass
					3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
					4.43	-1.388	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.944	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.674	-0.0010	-2.5 to 2.5	Pass



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				0	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-1.788	-0.0010	-2.5 to 2.5	Pass
					3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
					4.43	-1.817	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.601	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-2.017	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-0.472	-0.0003	-2.5 to 2.5	Pass
					3.85	0.830	0.0005	-2.5 to 2.5	Pass
					4.43	-0.787	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.473	-0.0008	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-1.760	-0.0010	-2.5 to 2.5	Pass
					3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
					4.43	-1.273	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.944	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				40	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass



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	1732.5	25	0	20	3.27	-1.674	-0.0010	-2.5 to 2.5	Pass
					3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
					4.43	-1.416	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.202	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-2.360	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-0.944	-0.0005	-2.5 to 2.5	Pass
					3.85	0.100	0.0001	-2.5 to 2.5	Pass
					4.43	-0.572	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				40	3.85	-0.844	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass

2.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	-0.257	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
					4.43	-0.701	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
				30	3.85	0.601	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass



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	1732.5	50	0	50	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				20	3.27	-1.302	-0.0008	-2.5 to 2.5	Pass
					3.85	-2.031	-0.0012	-2.5 to 2.5	Pass
					4.43	-1.073	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.359	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.217	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-1.645	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
					4.43	-1.402	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-1.287	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.787	-0.0004	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	0.300	0.0002	-2.5 to 2.5	Pass
					3.85	-0.601	-0.0004	-2.5 to 2.5	Pass
					4.43	0.443	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.987	0.0006	-2.5 to 2.5	Pass
				0	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				10	3.85	1.187	0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-1.388	-0.0008	-2.5 to 2.5	Pass
					3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
					4.43	-2.017	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass



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	1750	50	0	-20	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-1.287	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.545	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
				20	3.27	-0.873	-0.0005	-2.5 to 2.5	Pass
					3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
					4.43	-1.674	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass

2.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	-1.159	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
					4.43	-0.472	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.545	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-0.858	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.758	-0.0004	-2.5 to 2.5	Pass
					4.43	-1.073	-0.0006	-2.5 to 2.5	Pass



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				-30	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.644	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-1.359	-0.0008	-2.5 to 2.5	Pass
					3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
					4.43	-1.688	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-2.174	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-2.117	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-2.346	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-1.502	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-1.588	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
					4.43	-1.559	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-1.416	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-2.017	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.502	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
	1732.5	75	0	50	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
				20	3.27	-0.801	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
					4.43	-0.515	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.443	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass



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	1747.5	75	0	30	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass
				20	3.27	-1.173	-0.0007	-2.5 to 2.5	Pass
					3.85	-1.302	-0.0007	-2.5 to 2.5	Pass
					4.43	-0.629	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.601	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				10	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				50	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass

2.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	-1.187	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.515	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-1.659	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.332	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				30	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-0.758	-0.0004	-2.5 to 2.5	Pass
					3.85	-0.844	-0.0005	-2.5 to 2.5	Pass
					4.43	-0.830	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass



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				10	3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-1.202	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
					4.43	-0.458	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
				30	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				50	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-1.860	-0.0011	-2.5 to 2.5	Pass
					3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
					4.43	-2.203	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.202	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.488	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-0.100	-0.0001	-2.5 to 2.5	Pass
					3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
					4.43	-1.988	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.117	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-0.486	-0.0003	-2.5 to 2.5	Pass



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				3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
				4.43	-0.572	-0.0003	-2.5 to 2.5	Pass
			-30	3.85	0.043	0.0000	-2.5 to 2.5	Pass
			-20	3.85	-0.844	-0.0005	-2.5 to 2.5	Pass
			-10	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
			0	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
			10	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
			30	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
			40	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
			50	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band4_OBW

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.115	/	Pass
		1732.5	6	0	1.120	/	Pass
		1754.3	6	0	1.128	/	Pass
	16QAM	1710.7	6	0	1.121	/	Pass
		1732.5	6	0	1.126	/	Pass
		1754.3	6	0	1.122	/	Pass
3	QPSK	1711.5	15	0	2.759	/	Pass
		1732.5	15	0	2.763	/	Pass
		1753.5	15	0	2.749	/	Pass
	16QAM	1711.5	15	0	2.764	/	Pass
		1732.5	15	0	2.755	/	Pass
		1753.5	15	0	2.753	/	Pass
5	QPSK	1712.5	25	0	4.577	/	Pass
		1732.5	25	0	4.571	/	Pass
		1752.5	25	0	4.574	/	Pass
	16QAM	1712.5	25	0	4.585	/	Pass
		1732.5	25	0	4.589	/	Pass
		1752.5	25	0	4.592	/	Pass
10	QPSK	1715	50	0	9.105	/	Pass



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	16QAM	1732.5	50	0	9.091	/	Pass
		1750	50	0	9.090	/	Pass
		1715	50	0	9.109	/	Pass
		1732.5	50	0	9.122	/	Pass
		1750	50	0	9.097	/	Pass
15	QPSK	1717.5	75	0	13.653	/	Pass
		1732.5	75	0	13.619	/	Pass
		1747.5	75	0	13.663	/	Pass
	16QAM	1717.5	75	0	13.668	/	Pass
		1732.5	75	0	13.642	/	Pass
		1747.5	75	0	13.643	/	Pass
20	QPSK	1720	100	0	18.182	/	Pass
		1732.5	100	0	18.127	/	Pass
		1745	100	0	18.206	/	Pass
	16QAM	1720	100	0	18.175	/	Pass
		1732.5	100	0	18.160	/	Pass
		1745	100	0	18.201	/	Pass

3.1.2 Band4_XDB

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.401	/	Pass
		1732.5	6	0	1.430	/	Pass
		1754.3	6	0	1.422	/	Pass
	16QAM	1710.7	6	0	1.393	/	Pass
		1732.5	6	0	1.381	/	Pass
		1754.3	6	0	1.406	/	Pass
3	QPSK	1711.5	15	0	3.105	/	Pass
		1732.5	15	0	3.127	/	Pass
		1753.5	15	0	3.130	/	Pass
	16QAM	1711.5	15	0	3.121	/	Pass
		1732.5	15	0	3.161	/	Pass
		1753.5	15	0	3.136	/	Pass
5	QPSK	1712.5	25	0	5.260	/	Pass
		1732.5	25	0	5.200	/	Pass
		1752.5	25	0	5.253	/	Pass



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	16QAM	1712.5	25	0	5.219	/	Pass
		1732.5	25	0	5.221	/	Pass
		1752.5	25	0	5.271	/	Pass
10	QPSK	1715	50	0	10.213	/	Pass
		1732.5	50	0	10.312	/	Pass
		1750	50	0	10.178	/	Pass
	16QAM	1715	50	0	10.168	/	Pass
		1732.5	50	0	10.126	/	Pass
		1750	50	0	10.253	/	Pass
15	QPSK	1717.5	75	0	15.376	/	Pass
		1732.5	75	0	15.196	/	Pass
		1747.5	75	0	15.153	/	Pass
	16QAM	1717.5	75	0	15.189	/	Pass
		1732.5	75	0	15.102	/	Pass
		1747.5	75	0	15.071	/	Pass
20	QPSK	1720	100	0	20.165	/	Pass
		1732.5	100	0	20.128	/	Pass
		1745	100	0	19.947	/	Pass
	16QAM	1720	100	0	20.237	/	Pass
		1732.5	100	0	20.046	/	Pass
		1745	100	0	20.104	/	Pass



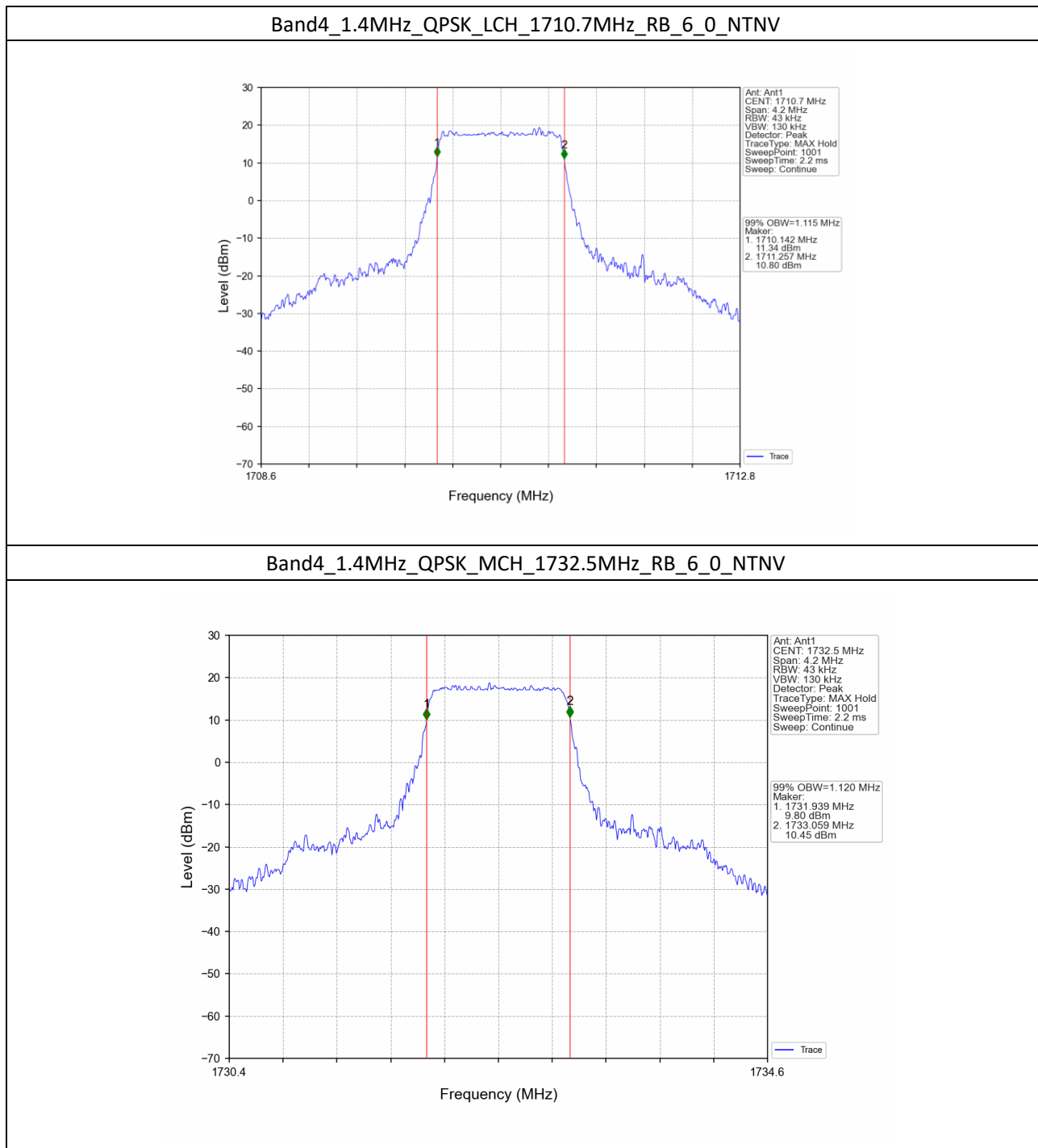
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3.2 Test Graph

3.2.1 Band4_OBW

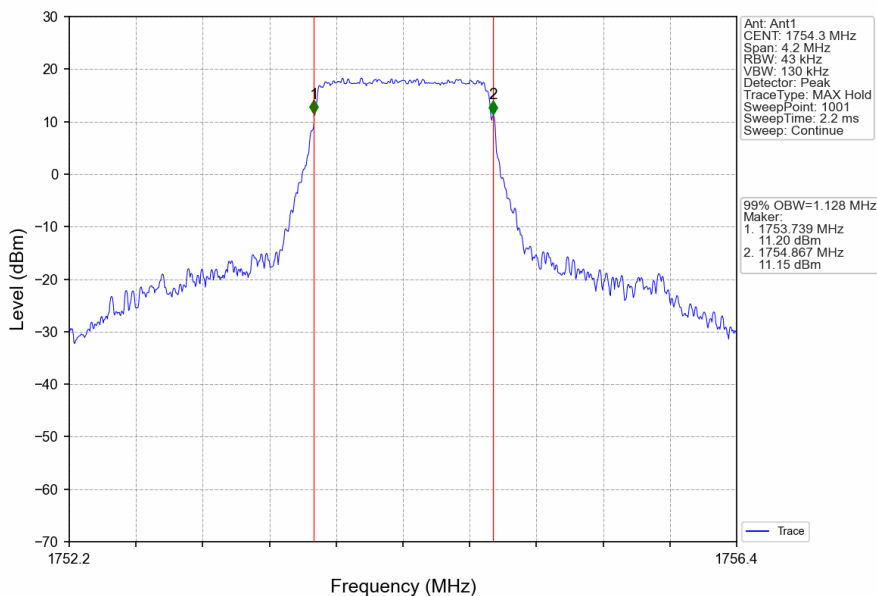


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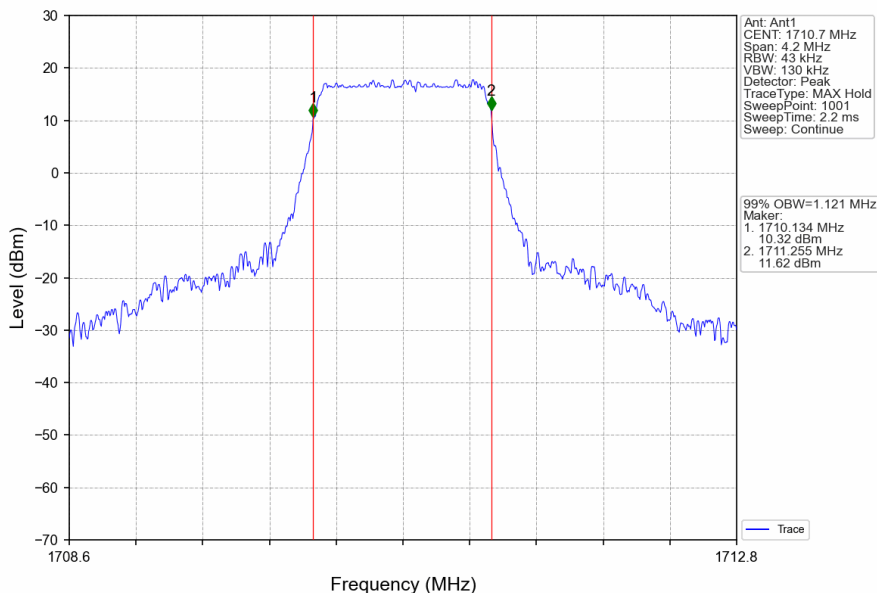
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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

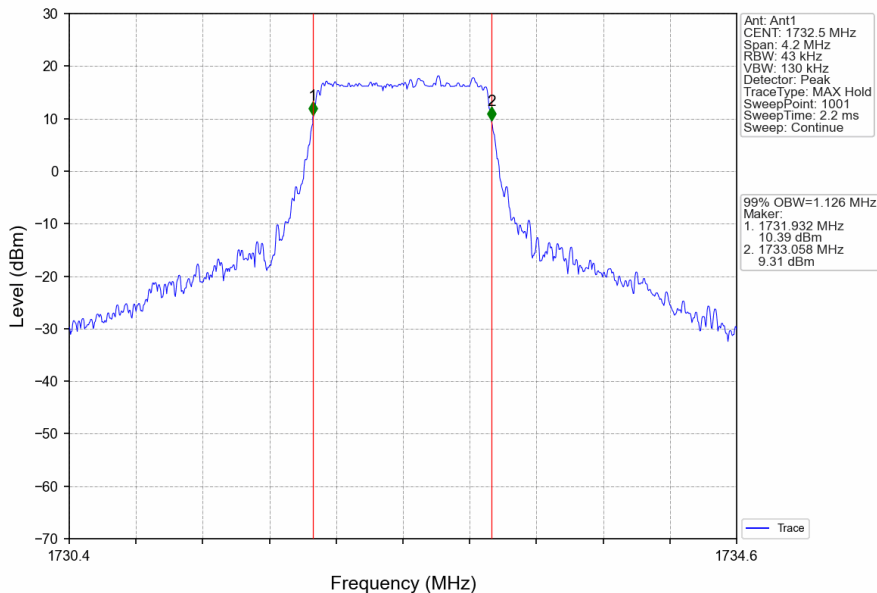


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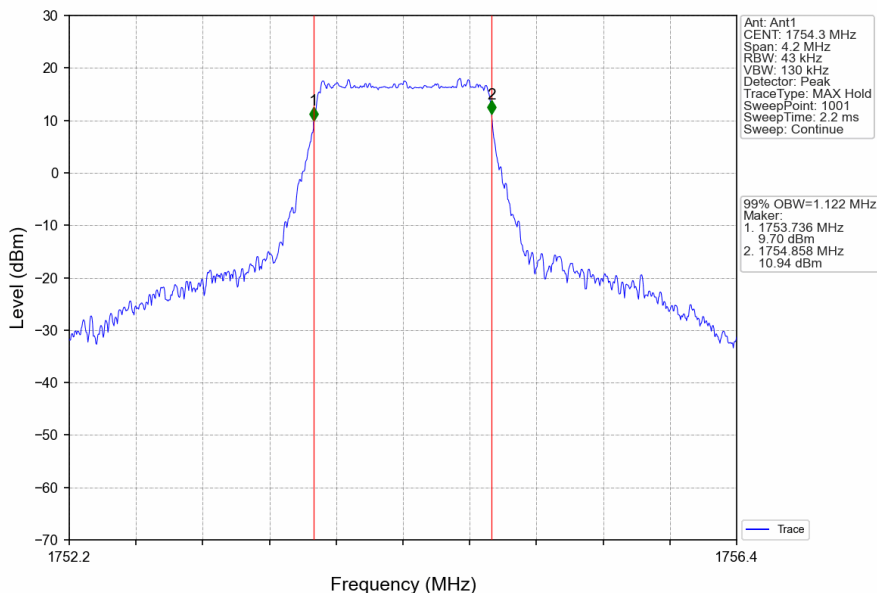
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Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV

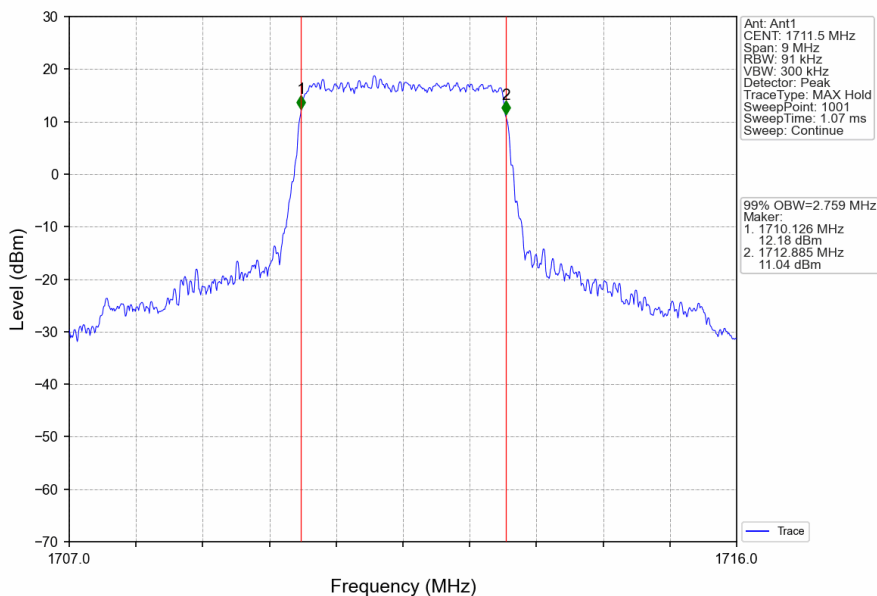


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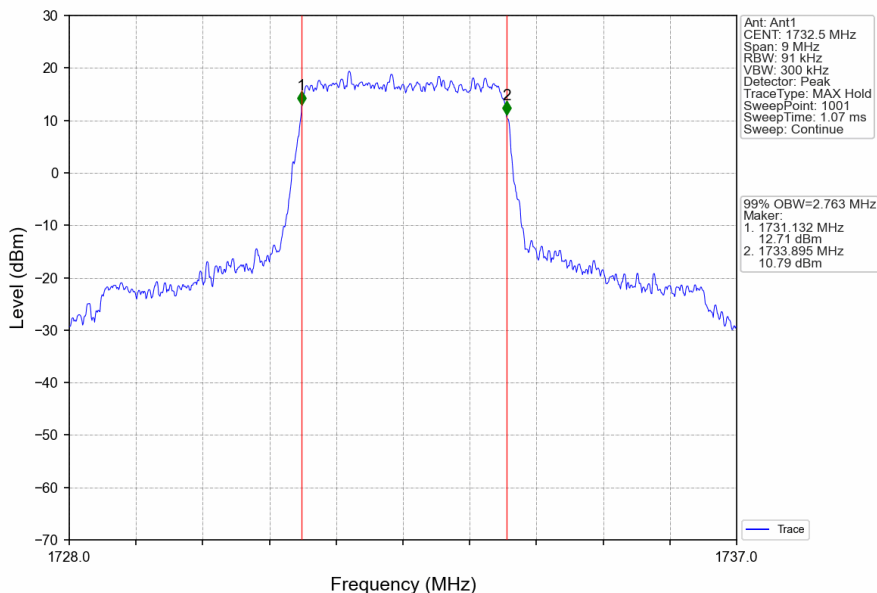
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Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

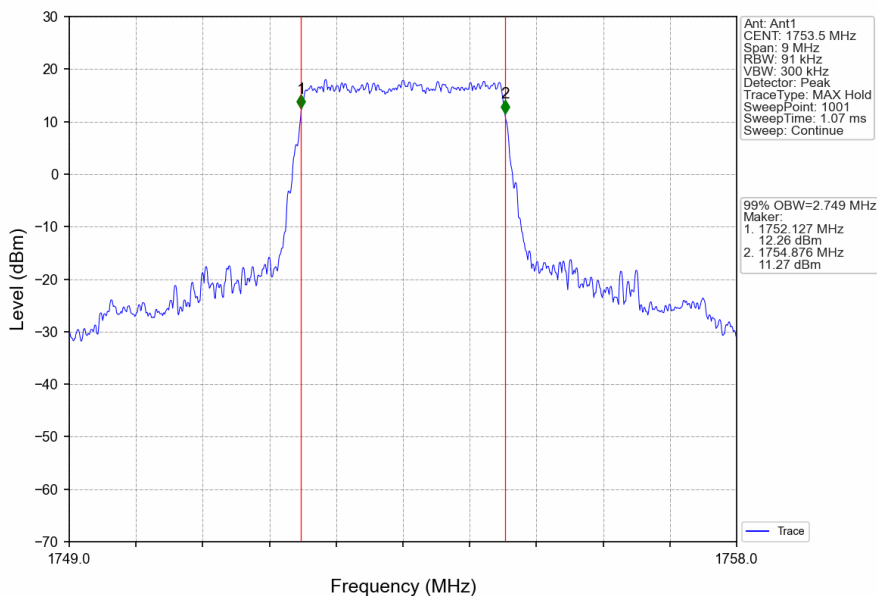


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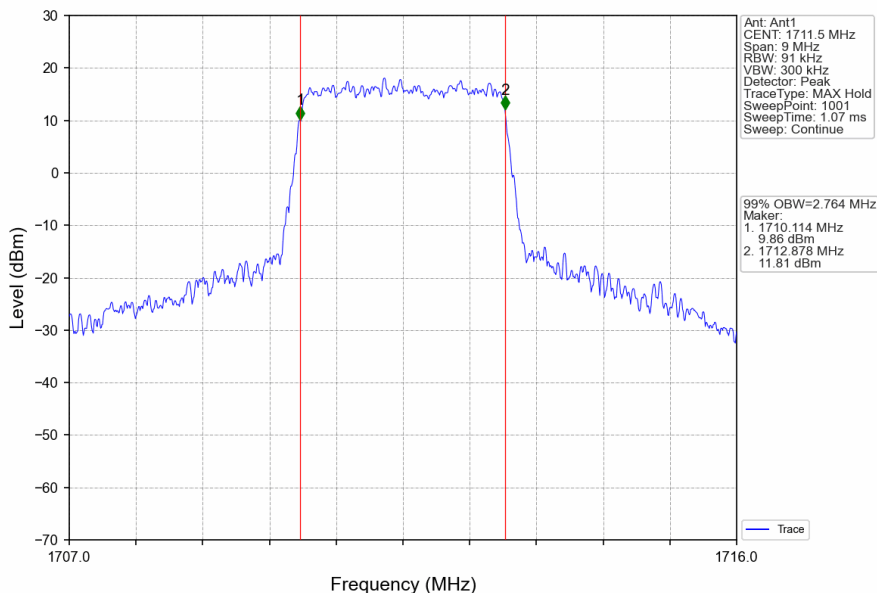
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Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

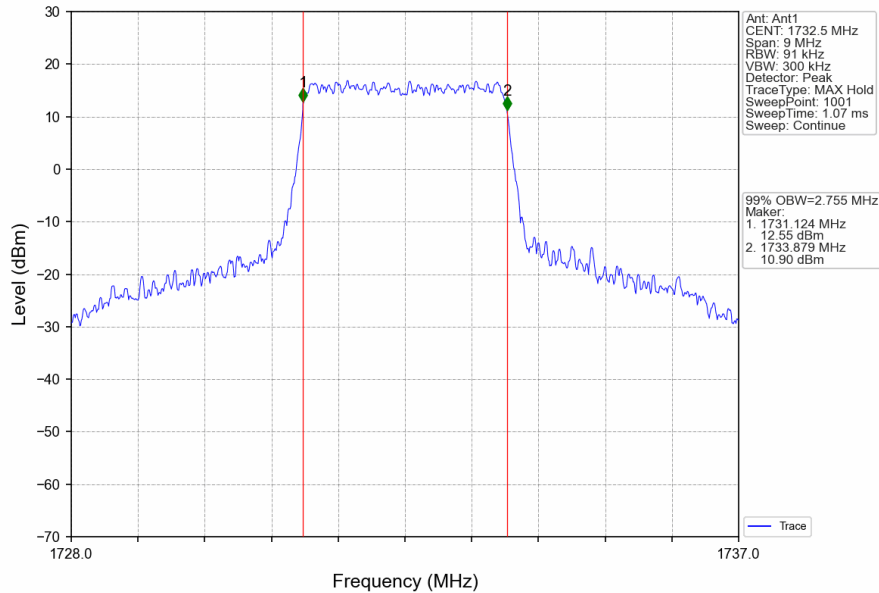


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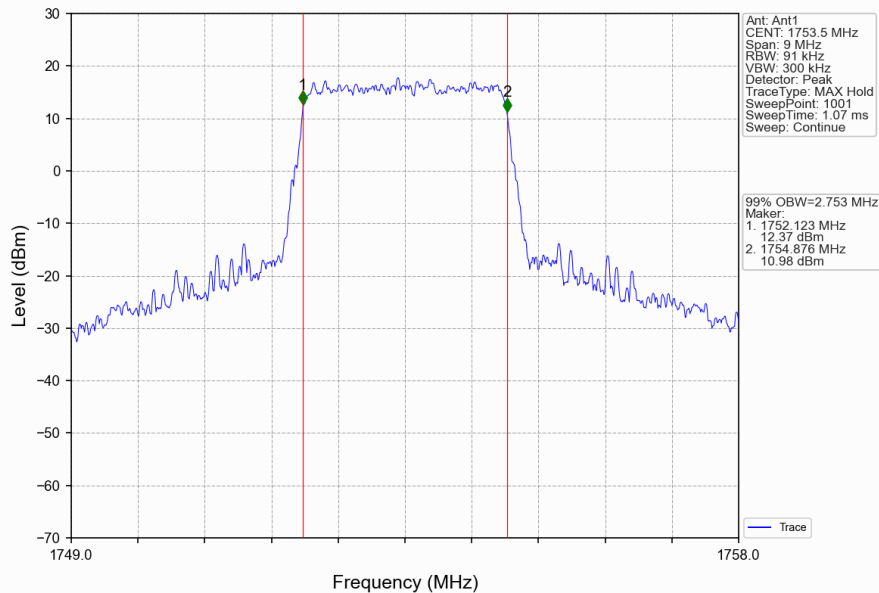
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Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

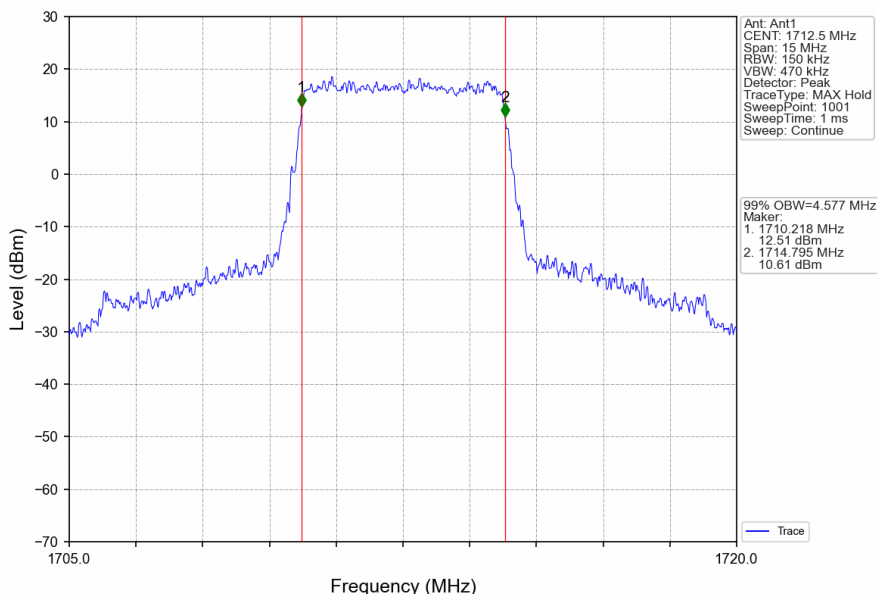


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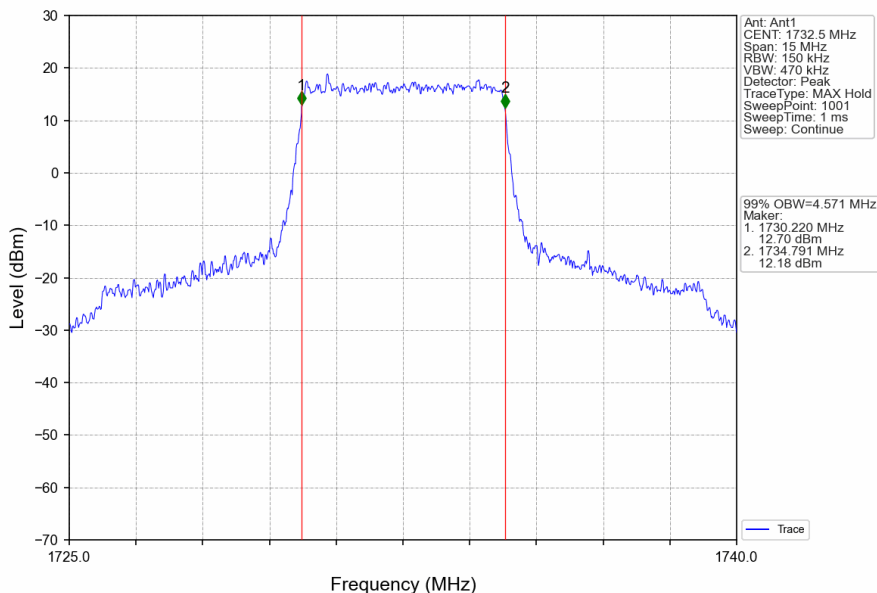
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Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

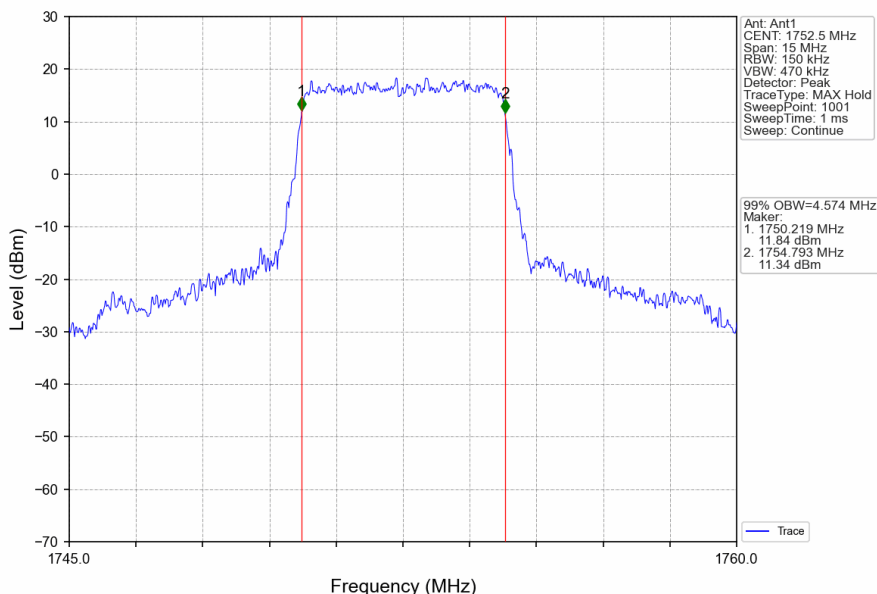


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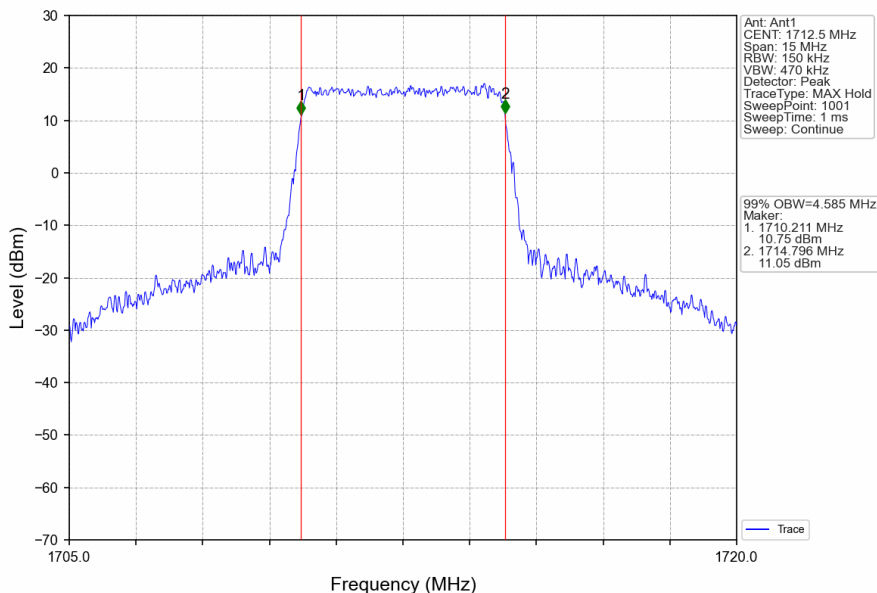
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Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

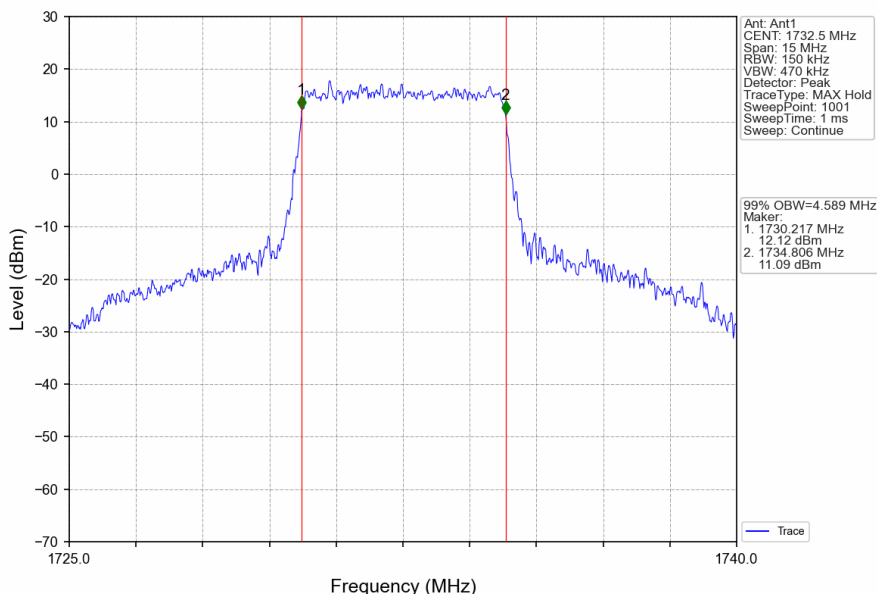


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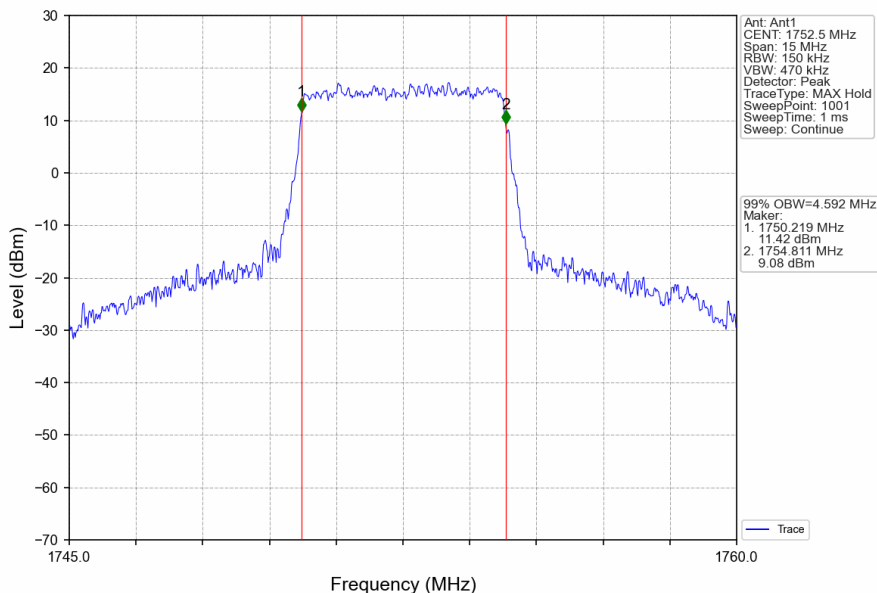
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Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV

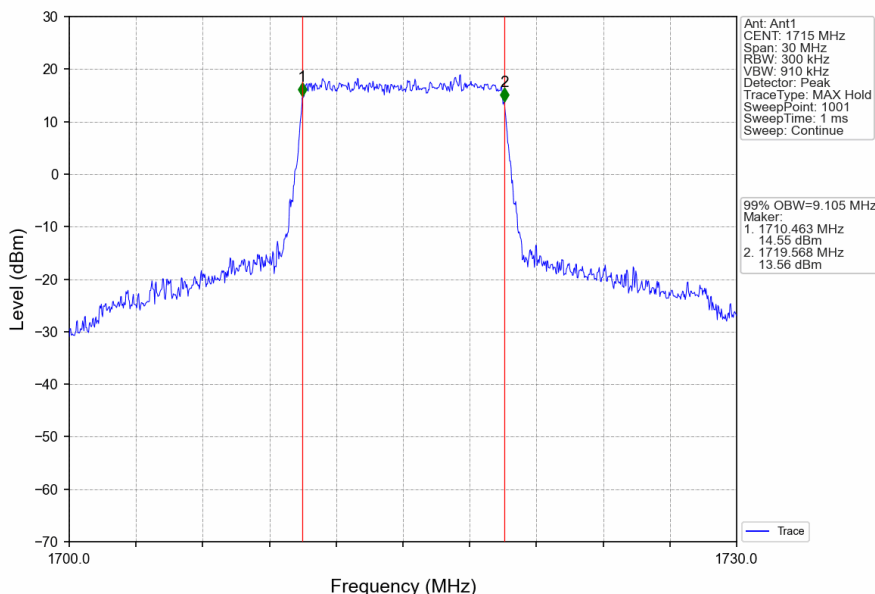


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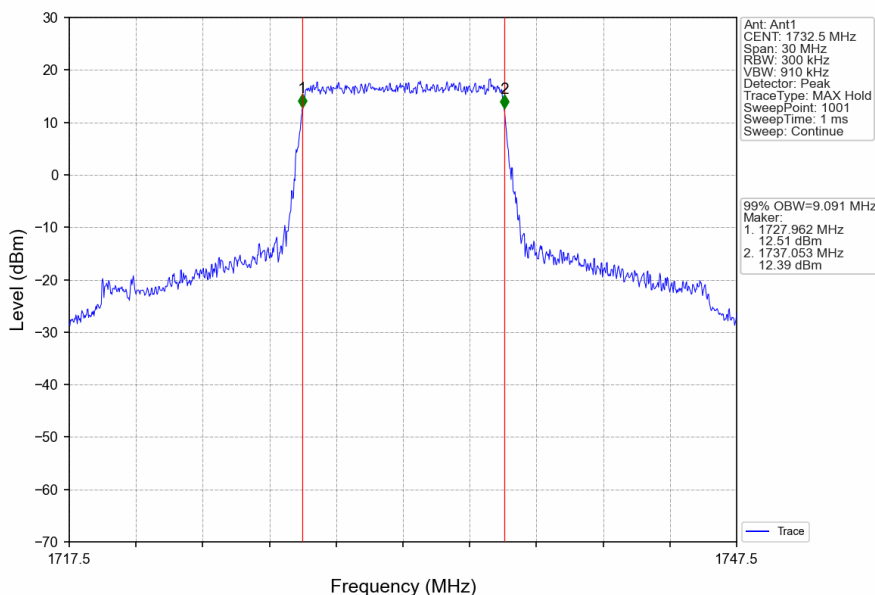
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Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

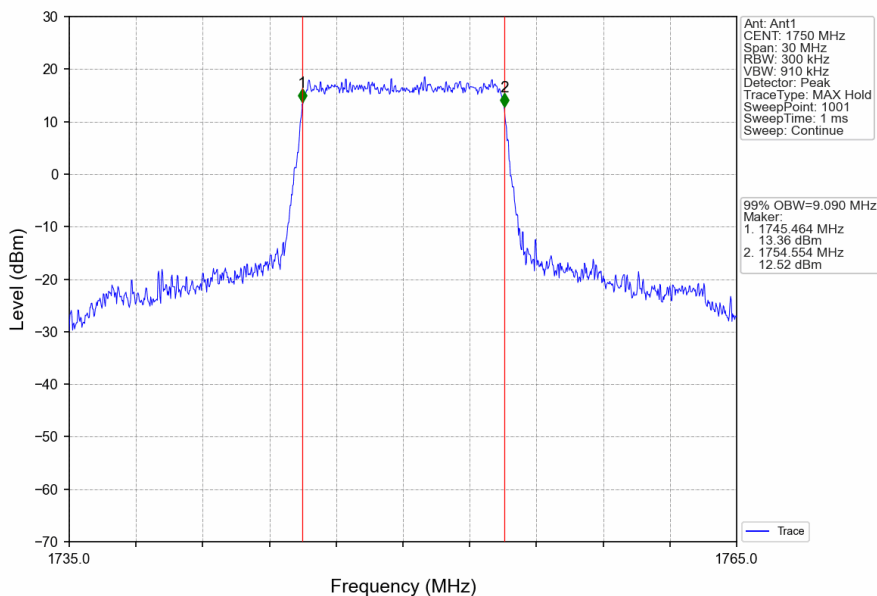


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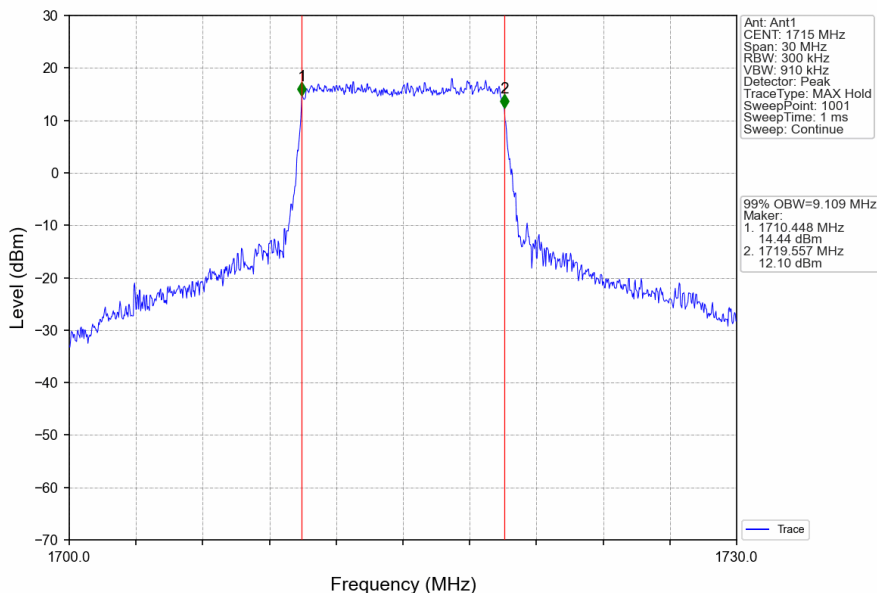
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Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

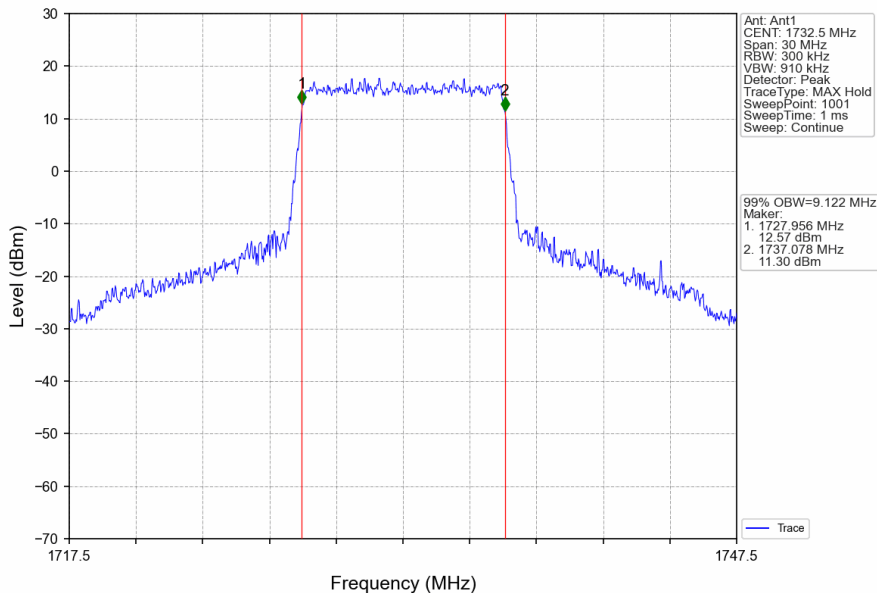


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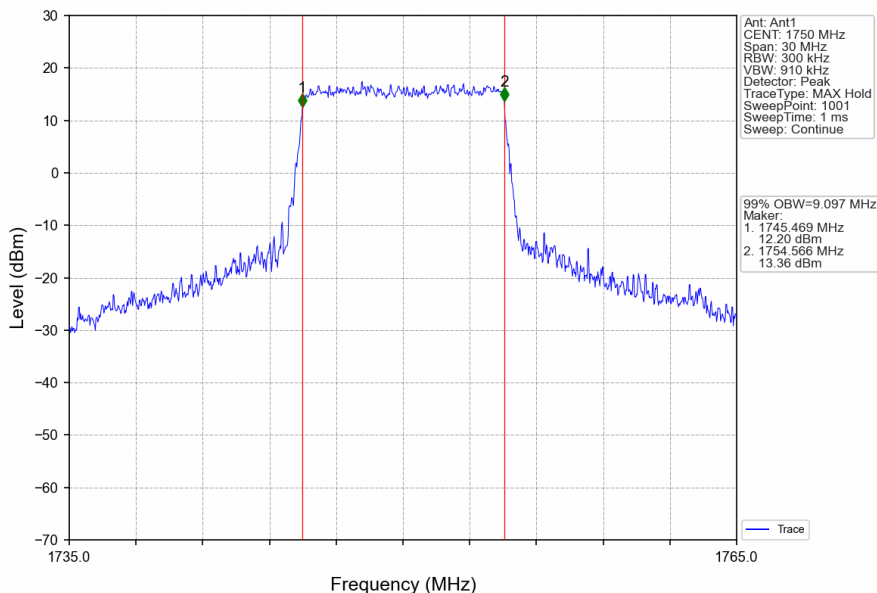
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Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV

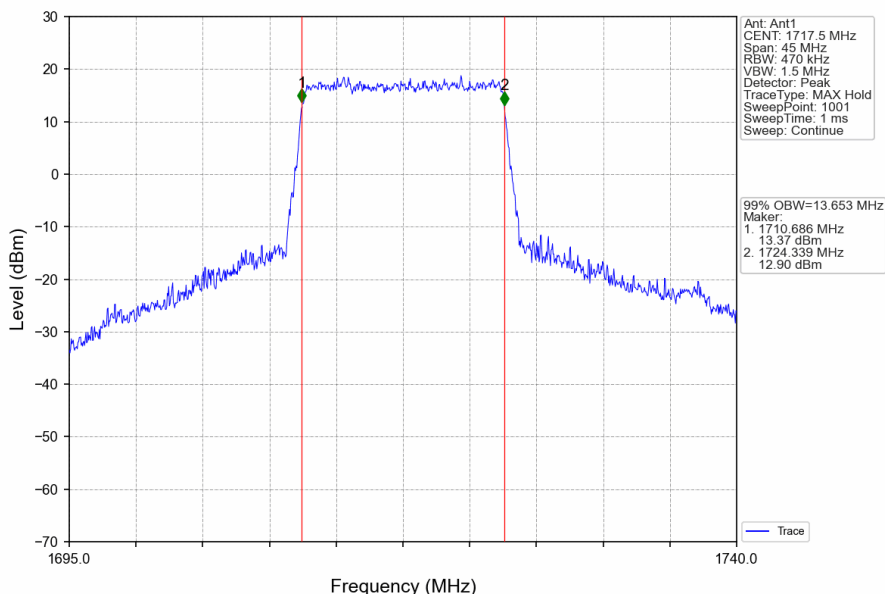


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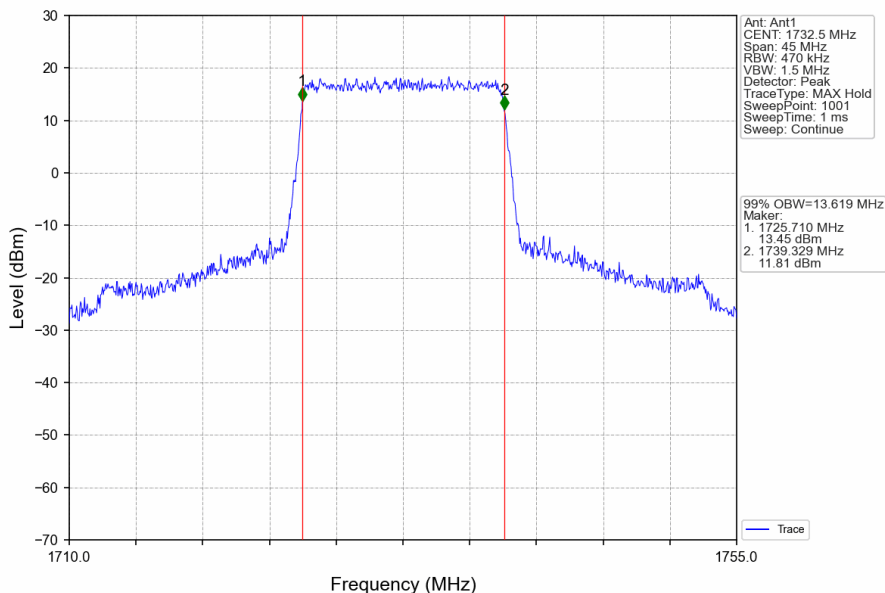
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Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

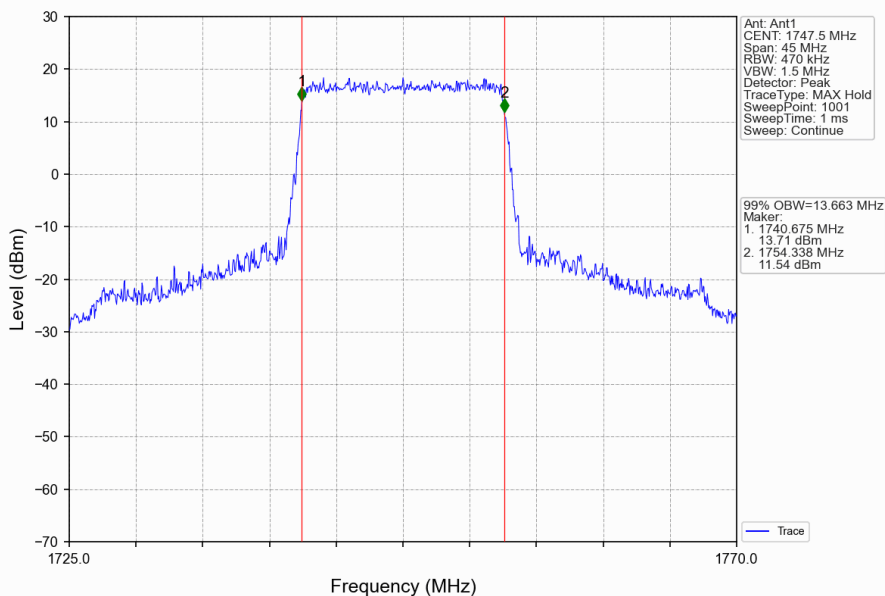


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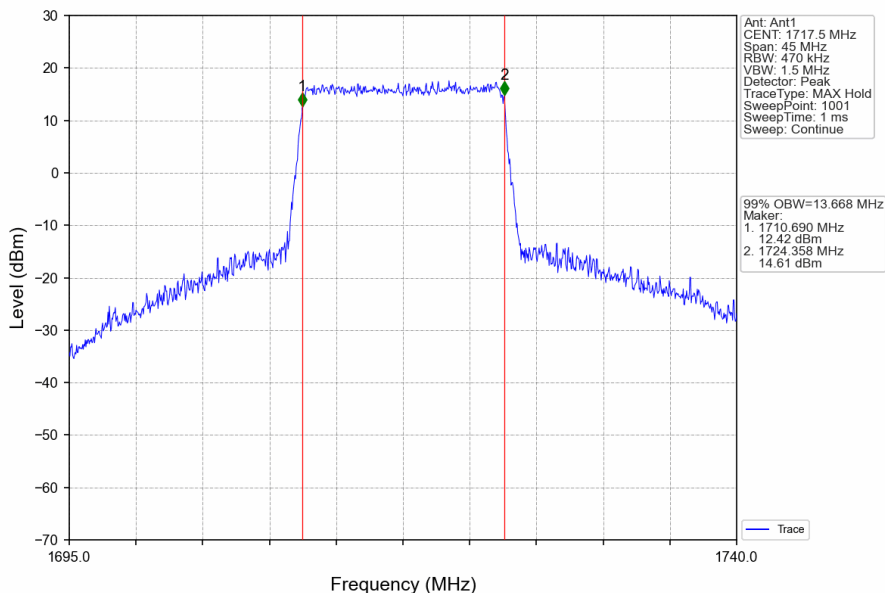
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Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

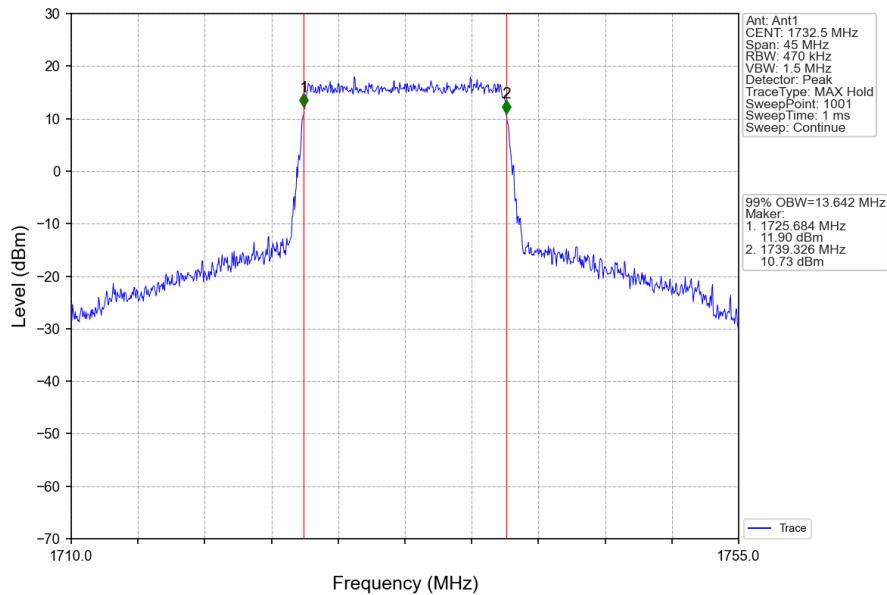


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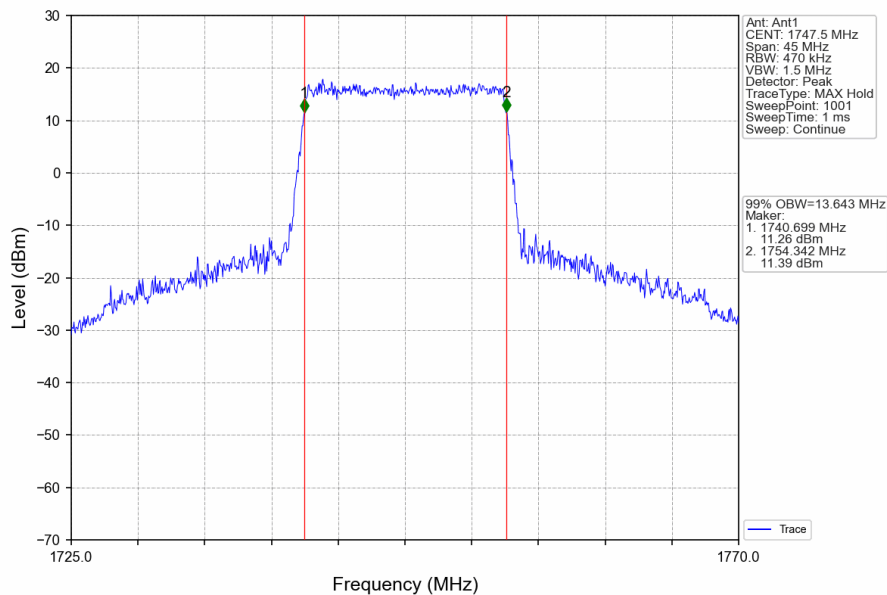
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Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV

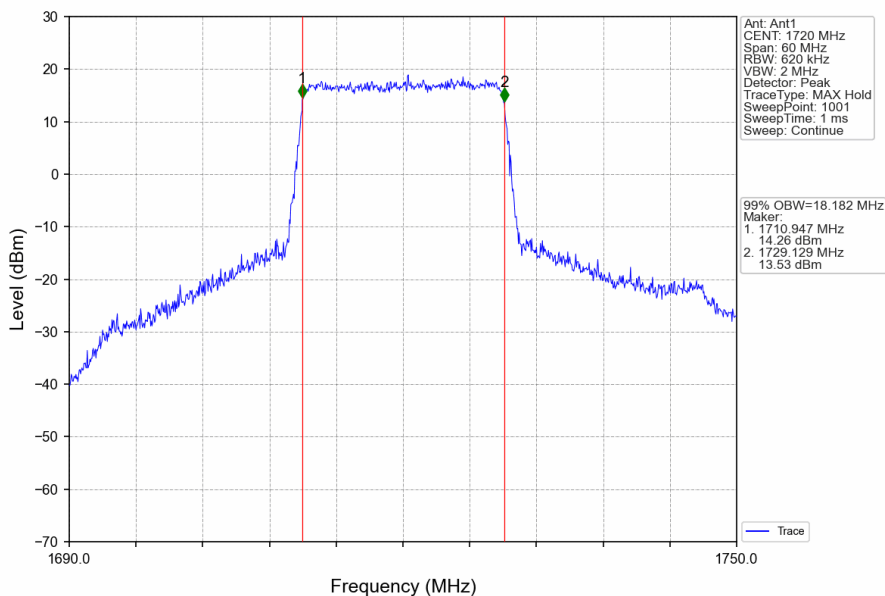


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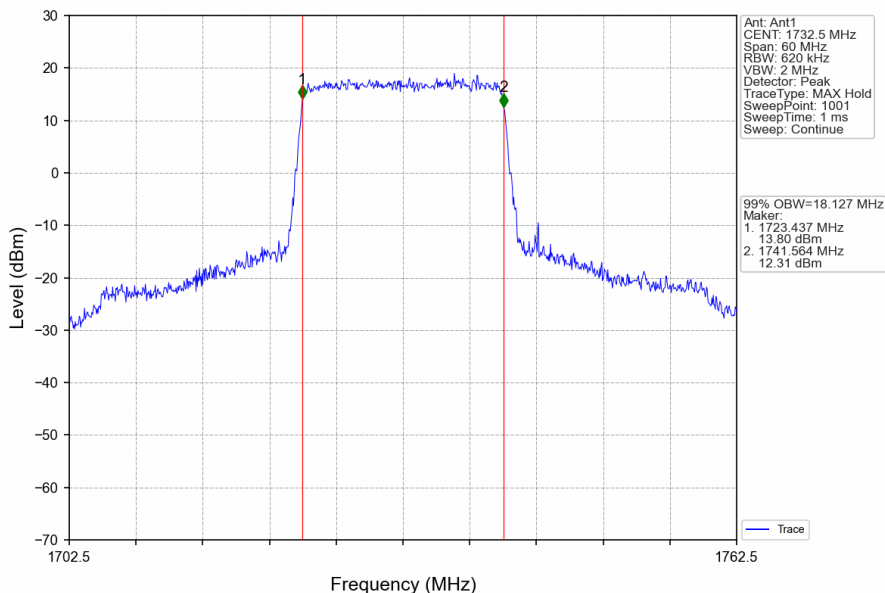
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Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

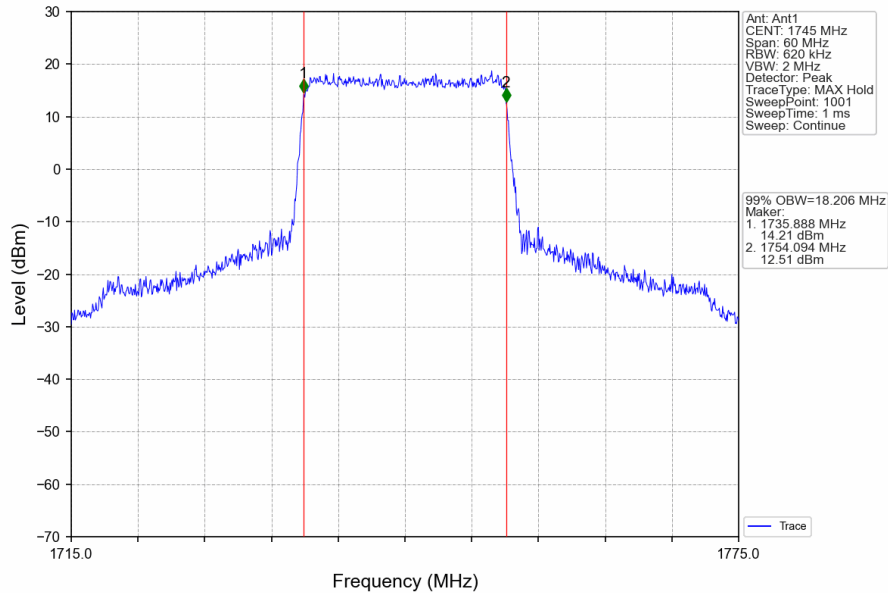


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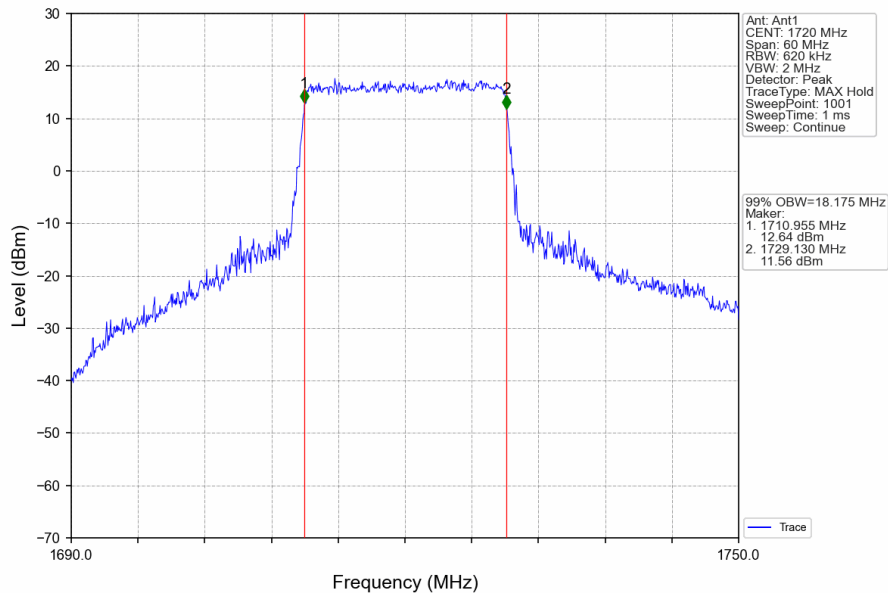
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Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

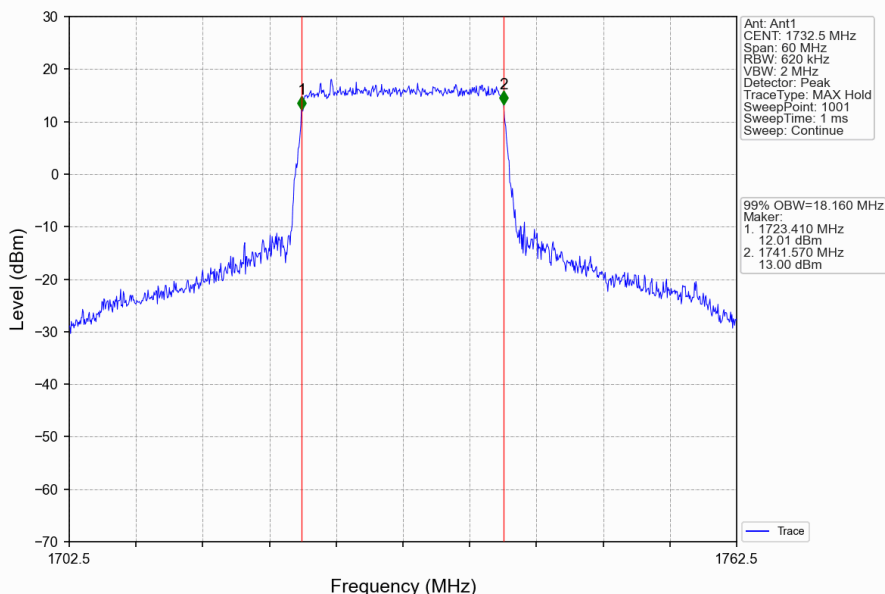


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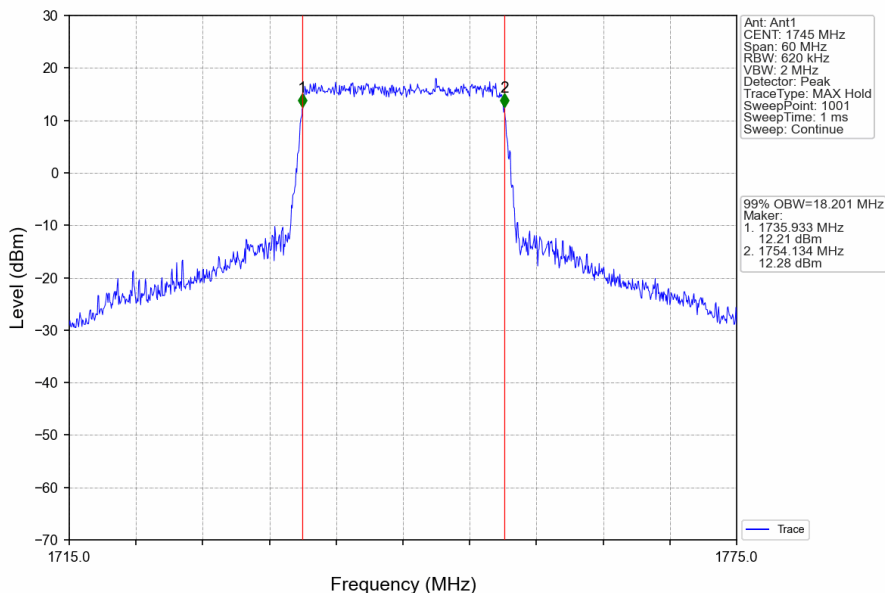
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Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



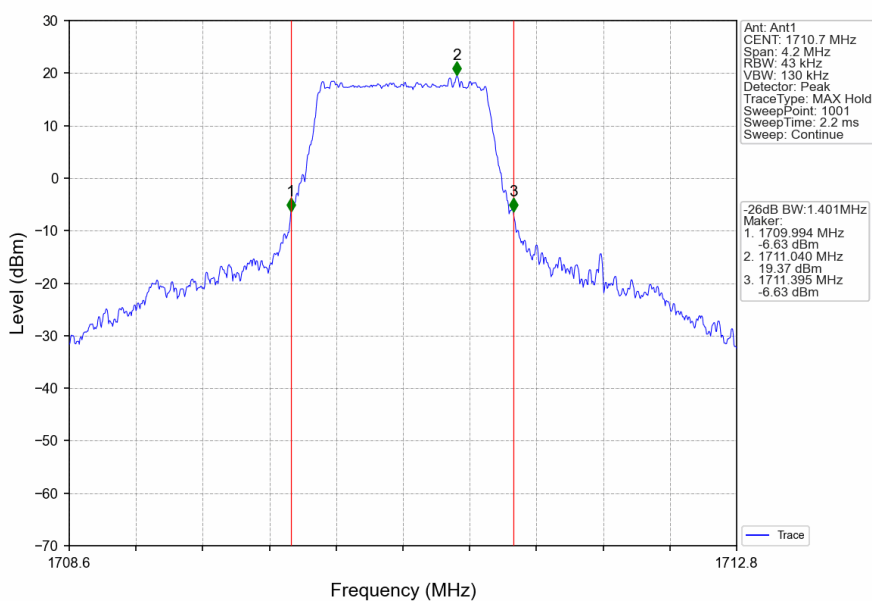
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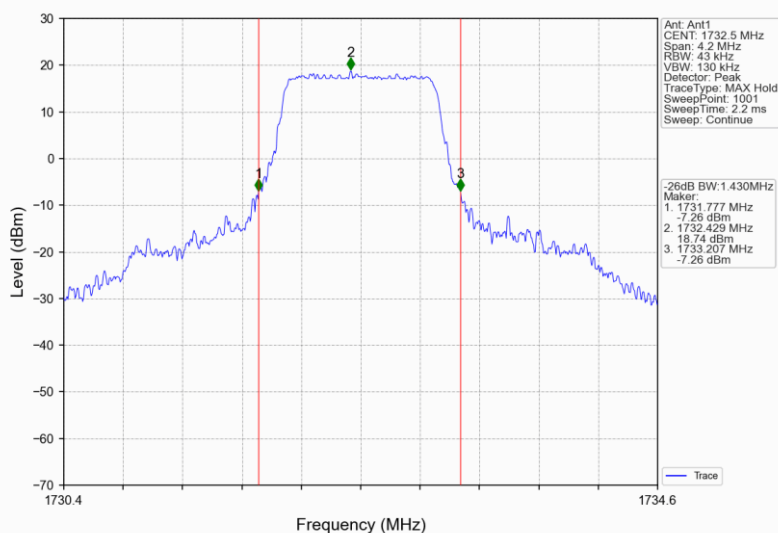
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3.2.2 Band4_XDB

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

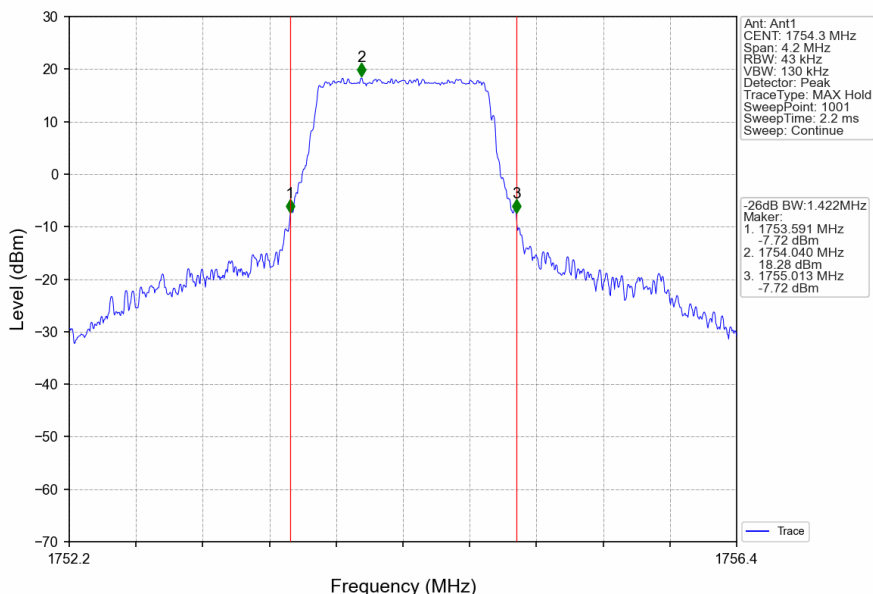


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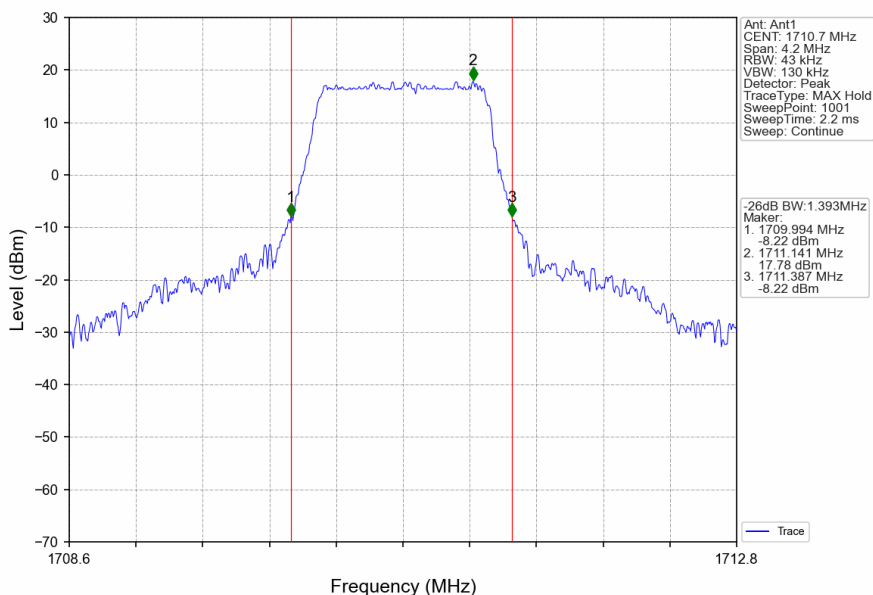
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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

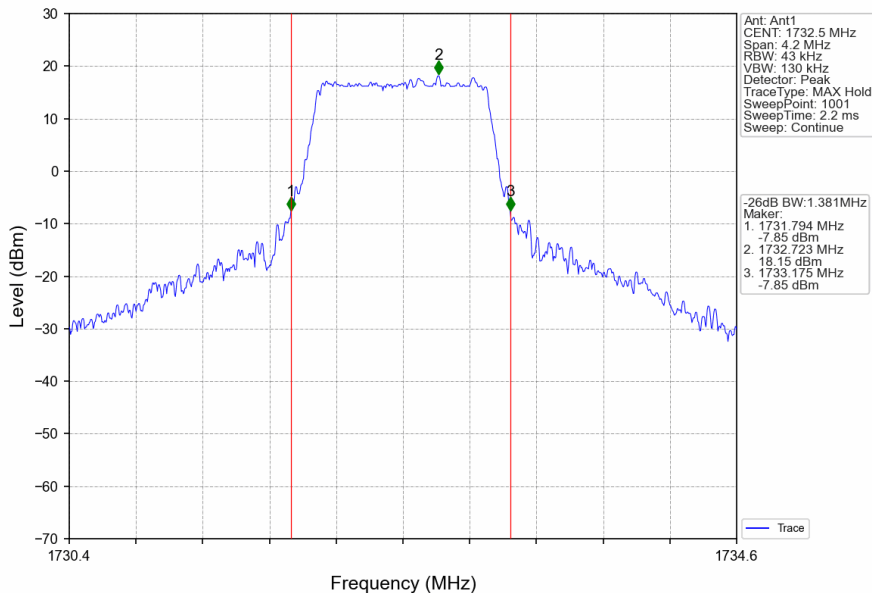


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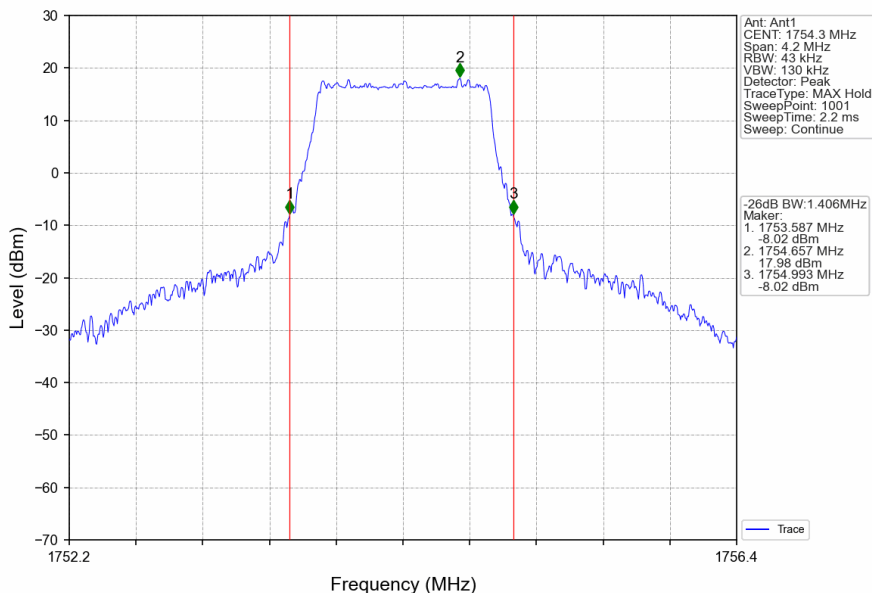
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Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV

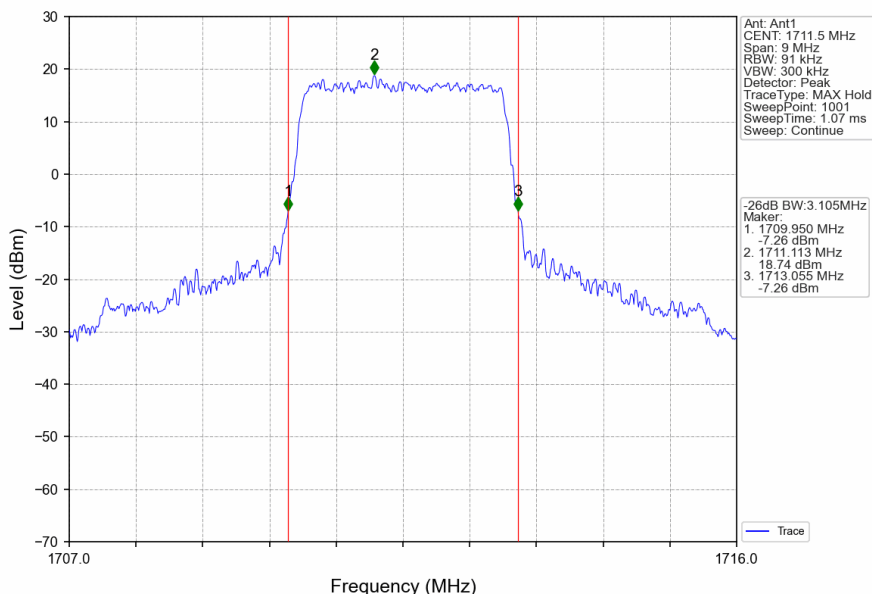


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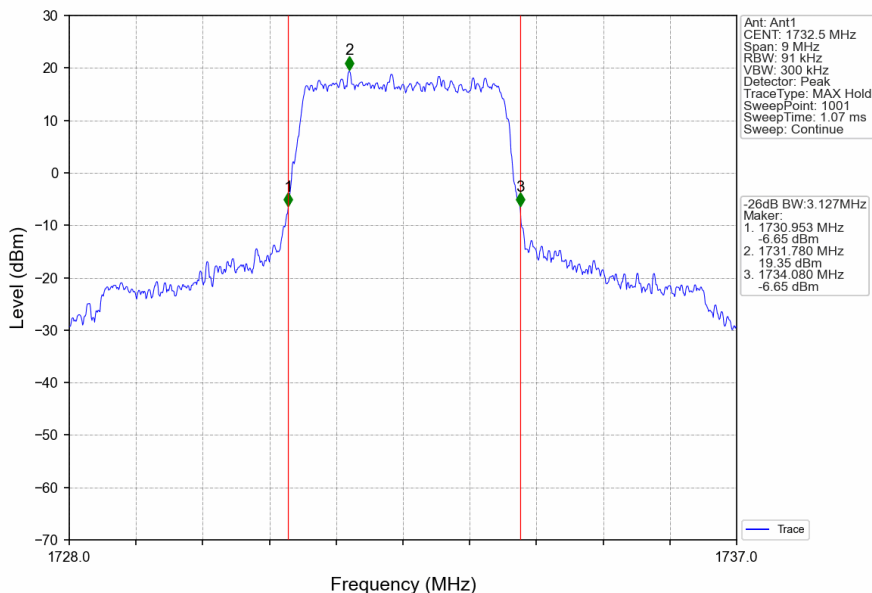
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Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



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