

Appendix K for KSCR2205000668AT-FCC-LTE-Band4

1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result

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	22.26	-0.28	21.98	<=30	Pass
			2	22.35	-0.28	22.07	<=30	Pass
			5	22.31	-0.28	22.03	<=30	Pass
		3	0	22.41	-0.28	22.13	<=30	Pass
			2	22.39	-0.28	22.11	<=30	Pass
			3	22.39	-0.28	22.11	<=30	Pass
		6	0	21.36	-0.28	21.08	<=30	Pass
			0	22.28	-0.28	22.00	<=30	Pass
			2	22.39	-0.28	22.11	<=30	Pass
	1732.5	1	2	22.39	-0.28	22.11	<=30	Pass
			5	22.25	-0.28	21.97	<=30	Pass
			0	22.36	-0.28	22.08	<=30	Pass
		3	2	22.37	-0.28	22.09	<=30	Pass
			3	22.38	-0.28	22.10	<=30	Pass
			0	21.29	-0.28	21.01	<=30	Pass
		6	0	22.18	-0.28	21.90	<=30	Pass
			2	22.25	-0.28	21.97	<=30	Pass
			5	22.14	-0.28	21.86	<=30	Pass
	1754.3	1	0	22.28	-0.28	22.00	<=30	Pass
			2	22.31	-0.28	22.03	<=30	Pass
			3	22.26	-0.28	21.98	<=30	Pass
		3	0	21.24	-0.28	20.96	<=30	Pass
			2	21.30	-0.28	21.02	<=30	Pass
			5	21.38	-0.28	21.10	<=30	Pass
		6	0	21.37	-0.28	21.09	<=30	Pass
			2	21.38	-0.28	21.10	<=30	Pass
			3	21.39	-0.28	21.11	<=30	Pass
16QAM	1710.7	1	0	20.35	-0.28	20.07	<=30	Pass
			2	21.45	-0.28	21.17	<=30	Pass
			5	21.59	-0.28	21.31	<=30	Pass
		3	0	21.30	-0.28	21.02	<=30	Pass
			2	21.38	-0.28	21.10	<=30	Pass
			5	21.26	-0.28	20.98	<=30	Pass
		6	0	21.44	-0.28	21.16	<=30	Pass
			2	21.43	-0.28	21.15	<=30	Pass
			3	21.44	-0.28	21.16	<=30	Pass
	1732.5	1	0	20.25	-0.28	19.97	<=30	Pass
			2	21.22	-0.28	20.94	<=30	Pass
			5	21.27	-0.28	20.99	<=30	Pass
		3	0	21.18	-0.28	20.90	<=30	Pass
			2	21.46	-0.28	21.18	<=30	Pass
			3	21.51	-0.28	21.23	<=30	Pass
		6	0	21.48	-0.28	21.20	<=30	Pass
			2	21.48	-0.28	21.20	<=30	Pass
			3	21.48	-0.28	21.20	<=30	Pass
	1754.3	1	0	21.22	-0.28	20.94	<=30	Pass
			2	21.27	-0.28	20.99	<=30	Pass
			5	21.18	-0.28	20.90	<=30	Pass
		3	0	21.46	-0.28	21.18	<=30	Pass
			2	21.51	-0.28	21.23	<=30	Pass
			3	21.48	-0.28	21.20	<=30	Pass
		6	0	21.48	-0.28	21.20	<=30	Pass
			2	21.48	-0.28	21.20	<=30	Pass
			3	21.48	-0.28	21.20	<=30	Pass

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		6	0	20.25	-0.28	19.97	<=30	Pass	
64QAM	1710.7	1	0	20.38	-0.28	20.10	<=30	Pass	
			2	20.53	-0.28	20.25	<=30	Pass	
			5	20.32	-0.28	20.04	<=30	Pass	
			3	0	20.58	-0.28	20.30	<=30	Pass
		2	20.66	-0.28	20.38	<=30	Pass		
		3	20.59	-0.28	20.31	<=30	Pass		
		6	0	19.62	-0.28	19.34	<=30	Pass	
		1732.5	1	0	20.18	-0.28	19.90	<=30	Pass
				2	20.18	-0.28	19.90	<=30	Pass
	5			20.13	-0.28	19.85	<=30	Pass	
	3		0	20.31	-0.28	20.03	<=30	Pass	
			2	20.32	-0.28	20.04	<=30	Pass	
			3	20.32	-0.28	20.04	<=30	Pass	
	6		0	19.44	-0.28	19.16	<=30	Pass	
	1754.3	1	0	20.59	-0.28	20.31	<=30	Pass	
			2	20.71	-0.28	20.43	<=30	Pass	
			5	20.59	-0.28	20.31	<=30	Pass	
		3	0	20.51	-0.28	20.23	<=30	Pass	
			2	20.51	-0.28	20.23	<=30	Pass	
			3	20.46	-0.28	20.18	<=30	Pass	
		6	0	19.30	-0.28	19.02	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

1.2 B4_3MHz_EIRP

1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	22.35	-0.28	22.07	<=30	Pass
			7	22.47	-0.28	22.19	<=30	Pass
			14	22.32	-0.28	22.04	<=30	Pass
		8	0	21.35	-0.28	21.07	<=30	Pass
			4	21.38	-0.28	21.10	<=30	Pass
			7	21.32	-0.28	21.04	<=30	Pass
		15	0	21.35	-0.28	21.07	<=30	Pass
	1732.5	1	0	22.29	-0.28	22.01	<=30	Pass
			7	22.47	-0.28	22.19	<=30	Pass
			14	22.28	-0.28	22.00	<=30	Pass
		8	0	21.34	-0.28	21.06	<=30	Pass
			4	21.35	-0.28	21.07	<=30	Pass
			7	21.30	-0.28	21.02	<=30	Pass
		15	0	21.30	-0.28	21.02	<=30	Pass
	1753.5	1	0	22.25	-0.28	21.97	<=30	Pass
			7	22.40	-0.28	22.12	<=30	Pass
			14	22.23	-0.28	21.95	<=30	Pass
		8	0	21.26	-0.28	20.98	<=30	Pass
			4	21.27	-0.28	20.99	<=30	Pass
			7	21.24	-0.28	20.96	<=30	Pass
		15	0	21.25	-0.28	20.97	<=30	Pass



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16QAM	1711.5	1	0	21.98	-0.28	21.70	<=30	Pass
			7	22.06	-0.28	21.78	<=30	Pass
			14	21.86	-0.28	21.58	<=30	Pass
		8	0	20.51	-0.28	20.23	<=30	Pass
			4	20.54	-0.28	20.26	<=30	Pass
			7	20.50	-0.28	20.22	<=30	Pass
		15	0	20.42	-0.28	20.14	<=30	Pass
	1732.5	1	0	21.50	-0.28	21.22	<=30	Pass
			7	21.64	-0.28	21.36	<=30	Pass
			14	21.48	-0.28	21.20	<=30	Pass
		8	0	20.31	-0.28	20.03	<=30	Pass
			4	20.34	-0.28	20.06	<=30	Pass
			7	20.29	-0.28	20.01	<=30	Pass
		15	0	20.29	-0.28	20.01	<=30	Pass
	1753.5	1	0	21.26	-0.28	20.98	<=30	Pass
			7	21.44	-0.28	21.16	<=30	Pass
			14	21.24	-0.28	20.96	<=30	Pass
		8	0	20.33	-0.28	20.05	<=30	Pass
			4	20.37	-0.28	20.09	<=30	Pass
			7	20.31	-0.28	20.03	<=30	Pass
		15	0	20.30	-0.28	20.02	<=30	Pass
64QAM	1711.5	1	0	20.55	-0.28	20.27	<=30	Pass
			7	20.74	-0.28	20.46	<=30	Pass
			14	20.55	-0.28	20.27	<=30	Pass
		8	0	19.60	-0.28	19.32	<=30	Pass
			4	19.59	-0.28	19.31	<=30	Pass
			7	19.54	-0.28	19.26	<=30	Pass
		15	0	19.42	-0.28	19.14	<=30	Pass
	1732.5	1	0	20.36	-0.28	20.08	<=30	Pass
			7	20.51	-0.28	20.23	<=30	Pass
			14	20.38	-0.28	20.10	<=30	Pass
		8	0	19.27	-0.28	18.99	<=30	Pass
			4	19.30	-0.28	19.02	<=30	Pass
			7	19.28	-0.28	19.00	<=30	Pass
		15	0	19.55	-0.28	19.27	<=30	Pass
	1753.5	1	0	20.14	-0.28	19.86	<=30	Pass
			7	20.26	-0.28	19.98	<=30	Pass
			14	20.08	-0.28	19.80	<=30	Pass
		8	0	19.32	-0.28	19.04	<=30	Pass
			4	19.35	-0.28	19.07	<=30	Pass
			7	19.31	-0.28	19.03	<=30	Pass
		15	0	19.34	-0.28	19.06	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.3 B4_5MHz_EIRP

1.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	22.24	-0.28	21.96	<=30	Pass



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		12	13	22.40	-0.28	22.12	<=30	Pass
			24	22.24	-0.28	21.96	<=30	Pass
			0	21.33	-0.28	21.05	<=30	Pass
			6	21.39	-0.28	21.11	<=30	Pass
			13	21.29	-0.28	21.01	<=30	Pass
		25	0	21.31	-0.28	21.03	<=30	Pass
		1	0	22.25	-0.28	21.97	<=30	Pass
			13	22.35	-0.28	22.07	<=30	Pass
			24	22.20	-0.28	21.92	<=30	Pass
			0	21.29	-0.28	21.01	<=30	Pass
			6	21.35	-0.28	21.07	<=30	Pass
			13	21.25	-0.28	20.97	<=30	Pass
	1732.5	25	0	21.27	-0.28	20.99	<=30	Pass
		1	0	22.19	-0.28	21.91	<=30	Pass
			13	22.30	-0.28	22.02	<=30	Pass
			24	22.17	-0.28	21.89	<=30	Pass
			0	21.23	-0.28	20.95	<=30	Pass
			6	21.30	-0.28	21.02	<=30	Pass
			13	21.24	-0.28	20.96	<=30	Pass
		12	0	21.22	-0.28	20.94	<=30	Pass
			0	21.14	-0.28	20.86	<=30	Pass
			13	21.27	-0.28	20.99	<=30	Pass
			24	21.12	-0.28	20.84	<=30	Pass
			0	20.32	-0.28	20.04	<=30	Pass
	1712.5	1	0	20.36	-0.28	20.08	<=30	Pass
			6	20.32	-0.28	19.95	<=30	Pass
			13	20.23	-0.28	19.95	<=30	Pass
			0	20.34	-0.28	20.06	<=30	Pass
			0	21.51	-0.28	21.23	<=30	Pass
		12	13	21.66	-0.28	21.38	<=30	Pass
			24	21.47	-0.28	21.19	<=30	Pass
			0	20.32	-0.28	20.04	<=30	Pass
			6	20.40	-0.28	20.12	<=30	Pass
			13	20.29	-0.28	20.01	<=30	Pass
		25	0	20.27	-0.28	19.99	<=30	Pass
			0	21.32	-0.28	21.04	<=30	Pass
			13	21.42	-0.28	21.14	<=30	Pass
			24	21.27	-0.28	20.99	<=30	Pass
			0	20.21	-0.28	19.93	<=30	Pass
	1732.5	1	6	20.29	-0.28	20.01	<=30	Pass
			13	20.19	-0.28	19.91	<=30	Pass
			0	20.25	-0.28	19.97	<=30	Pass
			0	20.19	-0.28	19.91	<=30	Pass
			13	20.33	-0.28	20.05	<=30	Pass
		12	24	20.18	-0.28	19.90	<=30	Pass
			0	19.33	-0.28	19.05	<=30	Pass
			6	19.39	-0.28	19.11	<=30	Pass
			13	19.28	-0.28	19.00	<=30	Pass
			0	19.40	-0.28	19.12	<=30	Pass
		25	0	20.37	-0.28	20.09	<=30	Pass
			13	20.57	-0.28	20.29	<=30	Pass
			24	20.37	-0.28	20.09	<=30	Pass
			0	19.36	-0.28	19.08	<=30	Pass
			6	19.40	-0.28	19.12	<=30	Pass
			13	19.27	-0.28	18.99	<=30	Pass



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	1752.5	25	0	19.39	-0.28	19.11	<=30	Pass
		1	0	20.37	-0.28	20.09	<=30	Pass
			13	20.49	-0.28	20.21	<=30	Pass
			24	20.34	-0.28	20.06	<=30	Pass
		12	0	19.40	-0.28	19.12	<=30	Pass
			6	19.50	-0.28	19.22	<=30	Pass
			13	19.38	-0.28	19.10	<=30	Pass
		25	0	19.29	-0.28	19.01	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.4 B4_10MHz_EIRP

1.4.1 Test Result

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	22.33	-0.28	22.05	<=30	Pass
			25	22.47	-0.28	22.19	<=30	Pass
			49	22.28	-0.28	22.00	<=30	Pass
		25	0	21.37	-0.28	21.09	<=30	Pass
			13	21.33	-0.28	21.05	<=30	Pass
			25	21.38	-0.28	21.10	<=30	Pass
		50	0	21.36	-0.28	21.08	<=30	Pass
	1732.5	1	0	22.33	-0.28	22.05	<=30	Pass
			25	22.45	-0.28	22.17	<=30	Pass
			49	22.23	-0.28	21.95	<=30	Pass
		25	0	21.30	-0.28	21.02	<=30	Pass
			13	21.33	-0.28	21.05	<=30	Pass
			25	21.29	-0.28	21.01	<=30	Pass
		50	0	21.29	-0.28	21.01	<=30	Pass
	1750	1	0	22.36	-0.28	22.08	<=30	Pass
			25	22.45	-0.28	22.17	<=30	Pass
			49	22.30	-0.28	22.02	<=30	Pass
		25	0	21.32	-0.28	21.04	<=30	Pass
			13	21.32	-0.28	21.04	<=30	Pass
			25	21.23	-0.28	20.95	<=30	Pass
		50	0	21.28	-0.28	21.00	<=30	Pass
16QAM	1715	1	0	21.87	-0.28	21.59	<=30	Pass
			25	22.08	-0.28	21.80	<=30	Pass
			49	21.87	-0.28	21.59	<=30	Pass
		25	0	20.42	-0.28	20.14	<=30	Pass
			13	20.40	-0.28	20.12	<=30	Pass
			25	20.46	-0.28	20.18	<=30	Pass
		50	0	20.38	-0.28	20.10	<=30	Pass
	1732.5	1	0	21.54	-0.28	21.26	<=30	Pass
			25	21.63	-0.28	21.35	<=30	Pass
			49	21.44	-0.28	21.16	<=30	Pass
		25	0	20.35	-0.28	20.07	<=30	Pass
			13	20.37	-0.28	20.09	<=30	Pass
			25	20.28	-0.28	20.00	<=30	Pass
		50	0	20.31	-0.28	20.03	<=30	Pass

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64QAM	1750	1	0	21.27	-0.28	20.99	<=30	Pass
			25	21.43	-0.28	21.15	<=30	Pass
			49	21.39	-0.28	21.11	<=30	Pass
		25	0	20.39	-0.28	20.11	<=30	Pass
			13	20.41	-0.28	20.13	<=30	Pass
			25	20.33	-0.28	20.05	<=30	Pass
		50	0	20.30	-0.28	20.02	<=30	Pass
	1715	1	0	20.55	-0.28	20.27	<=30	Pass
			25	20.75	-0.28	20.47	<=30	Pass
			49	20.53	-0.28	20.25	<=30	Pass
		25	0	19.47	-0.28	19.19	<=30	Pass
			13	19.46	-0.28	19.18	<=30	Pass
			25	19.49	-0.28	19.21	<=30	Pass
		50	0	19.46	-0.28	19.18	<=30	Pass
	1732.5	1	0	20.37	-0.28	20.09	<=30	Pass
			25	20.52	-0.28	20.24	<=30	Pass
			49	20.32	-0.28	20.04	<=30	Pass
		25	0	19.48	-0.28	19.20	<=30	Pass
			13	19.49	-0.28	19.21	<=30	Pass
			25	19.44	-0.28	19.16	<=30	Pass
		50	0	19.39	-0.28	19.11	<=30	Pass
	1750	1	0	20.16	-0.28	19.88	<=30	Pass
			25	20.27	-0.28	19.99	<=30	Pass
			49	20.06	-0.28	19.78	<=30	Pass
		25	0	19.45	-0.28	19.17	<=30	Pass
			13	19.42	-0.28	19.14	<=30	Pass
			25	19.39	-0.28	19.11	<=30	Pass
		50	0	19.41	-0.28	19.13	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.5 B4_15MHz_EIRP

1.5.1 Test Result

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	22.27	-0.28	21.99	<=30	Pass
			38	22.34	-0.28	22.06	<=30	Pass
			74	22.20	-0.28	21.92	<=30	Pass
		36	0	21.39	-0.28	21.11	<=30	Pass
			18	21.36	-0.28	21.08	<=30	Pass
			39	21.43	-0.28	21.15	<=30	Pass
		75	0	21.41	-0.28	21.13	<=30	Pass
	1732.5	1	0	22.23	-0.28	21.95	<=30	Pass
			38	22.33	-0.28	22.05	<=30	Pass
			74	22.19	-0.28	21.91	<=30	Pass
		36	0	21.33	-0.28	21.05	<=30	Pass
			18	21.38	-0.28	21.10	<=30	Pass
			39	21.31	-0.28	21.03	<=30	Pass
		75	0	21.30	-0.28	21.02	<=30	Pass
	1747.5	1	0	22.22	-0.28	21.94	<=30	Pass



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16QAM	1717.5	36	38	22.29	-0.28	22.01	<=30	Pass
			74	22.08	-0.28	21.80	<=30	Pass
			0	21.41	-0.28	21.13	<=30	Pass
		36	18	21.35	-0.28	21.07	<=30	Pass
			39	21.27	-0.28	20.99	<=30	Pass
	1732.5	1	75	21.31	-0.28	21.03	<=30	Pass
			0	21.82	-0.28	21.54	<=30	Pass
			38	21.98	-0.28	21.70	<=30	Pass
		36	74	21.85	-0.28	21.57	<=30	Pass
			0	20.38	-0.28	20.10	<=30	Pass
			18	20.42	-0.28	20.14	<=30	Pass
	1747.5	1	39	20.40	-0.28	20.12	<=30	Pass
			75	0	-0.28	20.14	<=30	Pass
			0	21.43	-0.28	21.15	<=30	Pass
		36	38	21.53	-0.28	21.25	<=30	Pass
			74	21.33	-0.28	21.05	<=30	Pass
64QAM	1717.5	1	0	20.37	-0.28	20.09	<=30	Pass
			18	20.38	-0.28	20.10	<=30	Pass
			39	20.30	-0.28	20.02	<=30	Pass
		36	75	0	-0.28	20.07	<=30	Pass
			0	20.35	-0.28	20.07	<=30	Pass
	1732.5	1	0	21.60	-0.28	21.32	<=30	Pass
			38	21.69	-0.28	21.41	<=30	Pass
			74	21.10	-0.28	20.82	<=30	Pass
		36	0	20.38	-0.28	20.10	<=30	Pass
			18	20.32	-0.28	20.04	<=30	Pass
	1747.5	1	39	20.23	-0.28	19.95	<=30	Pass
			75	0	-0.28	20.00	<=30	Pass
			0	20.28	-0.28	20.00	<=30	Pass
	1717.5	1	0	20.50	-0.28	20.22	<=30	Pass
			38	20.62	-0.28	20.34	<=30	Pass
			74	20.43	-0.28	20.15	<=30	Pass
	1732.5	1	0	19.42	-0.28	19.14	<=30	Pass
			18	19.46	-0.28	19.18	<=30	Pass
			39	19.49	-0.28	19.21	<=30	Pass
	1747.5	1	75	0	-0.28	19.18	<=30	Pass
			0	20.33	-0.28	20.05	<=30	Pass
			38	20.42	-0.28	20.14	<=30	Pass
	1717.5	1	74	20.25	-0.28	19.97	<=30	Pass
			0	19.42	-0.28	19.14	<=30	Pass
			18	19.46	-0.28	19.18	<=30	Pass
	1732.5	1	39	19.37	-0.28	19.09	<=30	Pass
			75	0	-0.28	19.08	<=30	Pass
			0	19.36	-0.28	19.08	<=30	Pass
	1747.5	1	0	20.54	-0.28	20.26	<=30	Pass
			38	20.64	-0.28	20.36	<=30	Pass
			74	20.50	-0.28	20.22	<=30	Pass
	1717.5	1	0	19.39	-0.28	19.11	<=30	Pass
			18	19.35	-0.28	19.07	<=30	Pass
			39	19.23	-0.28	18.95	<=30	Pass
	1732.5	1	75	0	-0.28	19.09	<=30	Pass
			0	19.37	-0.28	19.09	<=30	Pass
			38	19.37	-0.28	19.09	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.6 B4_20MHz_EIRP



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1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	22.12	-0.28	21.84	<=30	Pass
			50	22.50	-0.28	22.22	<=30	Pass
			99	22.06	-0.28	21.78	<=30	Pass
		50	0	21.30	-0.28	21.02	<=30	Pass
			25	21.41	-0.28	21.13	<=30	Pass
			50	21.47	-0.28	21.19	<=30	Pass
		100	0	21.42	-0.28	21.14	<=30	Pass
	1732.5	1	0	22.04	-0.28	21.76	<=30	Pass
			50	22.50	-0.28	22.22	<=30	Pass
			99	22.07	-0.28	21.79	<=30	Pass
		50	0	21.34	-0.28	21.06	<=30	Pass
			25	21.36	-0.28	21.08	<=30	Pass
			50	21.27	-0.28	20.99	<=30	Pass
		100	0	21.24	-0.28	20.96	<=30	Pass
	1745	1	0	21.96	-0.28	21.68	<=30	Pass
			50	22.45	-0.28	22.17	<=30	Pass
			99	21.95	-0.28	21.67	<=30	Pass
		50	0	21.41	-0.28	21.13	<=30	Pass
			25	21.33	-0.28	21.05	<=30	Pass
			50	21.25	-0.28	20.97	<=30	Pass
		100	0	21.34	-0.28	21.06	<=30	Pass
16QAM	1720	1	0	21.34	-0.28	21.06	<=30	Pass
			50	21.80	-0.28	21.52	<=30	Pass
			99	21.37	-0.28	21.09	<=30	Pass
		50	0	20.31	-0.28	20.03	<=30	Pass
			25	20.37	-0.28	20.09	<=30	Pass
			50	20.46	-0.28	20.18	<=30	Pass
		100	0	20.45	-0.28	20.17	<=30	Pass
	1732.5	1	0	21.29	-0.28	21.01	<=30	Pass
			50	21.70	-0.28	21.42	<=30	Pass
			99	21.31	-0.28	21.03	<=30	Pass
		50	0	20.29	-0.28	20.01	<=30	Pass
			25	20.35	-0.28	20.07	<=30	Pass
			50	20.28	-0.28	20.00	<=30	Pass
		100	0	20.25	-0.28	19.97	<=30	Pass
	1745	1	0	21.60	-0.28	21.32	<=30	Pass
			50	22.02	-0.28	21.74	<=30	Pass
			99	21.54	-0.28	21.26	<=30	Pass
		50	0	20.47	-0.28	20.19	<=30	Pass
			25	20.38	-0.28	20.10	<=30	Pass
			50	20.25	-0.28	19.97	<=30	Pass
		100	0	20.37	-0.28	20.09	<=30	Pass
64QAM	1720	1	0	20.26	-0.28	19.98	<=30	Pass
			50	20.69	-0.28	20.41	<=30	Pass
			99	20.23	-0.28	19.95	<=30	Pass
		50	0	19.47	-0.28	19.19	<=30	Pass
			25	19.47	-0.28	19.19	<=30	Pass
			50	19.61	-0.28	19.33	<=30	Pass
		100	0	19.47	-0.28	19.19	<=30	Pass



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	1732.5	1	0	20.34	-0.28	20.06	<=30	Pass
			50	20.78	-0.28	20.50	<=30	Pass
			99	20.32	-0.28	20.04	<=30	Pass
		50	0	19.37	-0.28	19.09	<=30	Pass
			25	19.47	-0.28	19.19	<=30	Pass
			50	19.34	-0.28	19.06	<=30	Pass
		100	0	19.31	-0.28	19.03	<=30	Pass
	1745	1	0	19.87	-0.28	19.59	<=30	Pass
			50	20.37	-0.28	20.09	<=30	Pass
			99	19.81	-0.28	19.53	<=30	Pass
		50	0	19.52	-0.28	19.24	<=30	Pass
			25	19.46	-0.28	19.18	<=30	Pass
			50	19.31	-0.28	19.03	<=30	Pass
		100	0	19.41	-0.28	19.13	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz									
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	3.46	0.271	0.0002	-2.5 to 2.5	Pass
					3.8	-2.343	-0.0014	-2.5 to 2.5	Pass
					4.35	-4.465	-0.0026	-2.5 to 2.5	Pass
				-30	3.8	0.072	0.0000	-2.5 to 2.5	Pass
				-20	3.8	-0.271	-0.0002	-2.5 to 2.5	Pass
				-10	3.8	-1.110	-0.0006	-2.5 to 2.5	Pass
				0	3.8	-1.029	-0.0006	-2.5 to 2.5	Pass
				10	3.8	-1.502	-0.0009	-2.5 to 2.5	Pass
				30	3.8	1.140	0.0007	-2.5 to 2.5	Pass
				40	3.8	-0.259	-0.0002	-2.5 to 2.5	Pass
				50	3.8	-7.973	-0.0047	-2.5 to 2.5	Pass
				1732.5	6	0	20	3.46	0.234
	3.8	-0.595	-0.0003					-2.5 to 2.5	Pass
	4.35	-6.094	-0.0035					-2.5 to 2.5	Pass
	-30	3.8	-3.304				-0.0019	-2.5 to 2.5	Pass
	-20	3.8	-2.917				-0.0017	-2.5 to 2.5	Pass
	-10	3.8	-0.117				-0.0001	-2.5 to 2.5	Pass
	0	3.8	-2.364				-0.0014	-2.5 to 2.5	Pass
	10	3.8	0.061				0.0000	-2.5 to 2.5	Pass
	30	3.8	-0.069				0.0000	-2.5 to 2.5	Pass
	40	3.8	5.650				0.0033	-2.5 to 2.5	Pass
	50	3.8	0.955				0.0006	-2.5 to 2.5	Pass
	1754.3	6	0				20	3.46	-2.499
				3.8	-3.364	-0.0019		-2.5 to 2.5	Pass
				4.35	-1.003	-0.0006		-2.5 to 2.5	Pass
				-30	3.8	-7.192	-0.0041	-2.5 to 2.5	Pass



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				-20	3.8	-2.136	-0.0012	-2.5 to 2.5	Pass
				-10	3.8	-1.936	-0.0011	-2.5 to 2.5	Pass
				0	3.8	-8.975	-0.0051	-2.5 to 2.5	Pass
				10	3.8	-4.123	-0.0024	-2.5 to 2.5	Pass
				30	3.8	-8.111	-0.0046	-2.5 to 2.5	Pass
				40	3.8	-12.012	-0.0068	-2.5 to 2.5	Pass
				50	3.8	-13.872	-0.0079	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.46	-3.770	-0.0022	-2.5 to 2.5	Pass
					3.8	-4.089	-0.0024	-2.5 to 2.5	Pass
					4.35	3.228	0.0019	-2.5 to 2.5	Pass
				-30	3.8	-8.099	-0.0047	-2.5 to 2.5	Pass
				-20	3.8	0.486	0.0003	-2.5 to 2.5	Pass
				-10	3.8	-4.221	-0.0025	-2.5 to 2.5	Pass
				0	3.8	-2.444	-0.0014	-2.5 to 2.5	Pass
				10	3.8	-5.207	-0.0030	-2.5 to 2.5	Pass
				30	3.8	-7.022	-0.0041	-2.5 to 2.5	Pass
				40	3.8	-0.061	0.0000	-2.5 to 2.5	Pass
				50	3.8	-3.406	-0.0020	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.46	1.249	0.0007	-2.5 to 2.5	Pass
					3.8	3.405	0.0020	-2.5 to 2.5	Pass
					4.35	-1.131	-0.0007	-2.5 to 2.5	Pass
				-30	3.8	1.495	0.0009	-2.5 to 2.5	Pass
				-20	3.8	-2.635	-0.0015	-2.5 to 2.5	Pass
				-10	3.8	-9.242	-0.0053	-2.5 to 2.5	Pass
				0	3.8	-0.739	-0.0004	-2.5 to 2.5	Pass
				10	3.8	1.878	0.0011	-2.5 to 2.5	Pass
				30	3.8	-2.933	-0.0017	-2.5 to 2.5	Pass
				40	3.8	-3.771	-0.0022	-2.5 to 2.5	Pass
				50	3.8	7.464	0.0043	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.46	-8.490	-0.0048	-2.5 to 2.5	Pass
					3.8	-8.317	-0.0047	-2.5 to 2.5	Pass
					4.35	-2.791	-0.0016	-2.5 to 2.5	Pass
				-30	3.8	-1.747	-0.0010	-2.5 to 2.5	Pass
				-20	3.8	-1.036	-0.0006	-2.5 to 2.5	Pass
				-10	3.8	-7.216	-0.0041	-2.5 to 2.5	Pass
				0	3.8	-5.367	-0.0031	-2.5 to 2.5	Pass
				10	3.8	1.320	0.0008	-2.5 to 2.5	Pass
				30	3.8	-10.847	-0.0062	-2.5 to 2.5	Pass
				40	3.8	-8.170	-0.0047	-2.5 to 2.5	Pass
				50	3.8	-5.573	-0.0032	-2.5 to 2.5	Pass
64QAM	1710.7	6	0	20	3.46	-5.036	-0.0029	-2.5 to 2.5	Pass
					3.8	-10.614	-0.0062	-2.5 to 2.5	Pass
					4.35	-7.058	-0.0041	-2.5 to 2.5	Pass
				-30	3.8	-0.245	-0.0001	-2.5 to 2.5	Pass
				-20	3.8	-3.431	-0.0020	-2.5 to 2.5	Pass
				-10	3.8	-4.666	-0.0027	-2.5 to 2.5	Pass
				0	3.8	-5.087	-0.0030	-2.5 to 2.5	Pass
				10	3.8	-0.552	-0.0003	-2.5 to 2.5	Pass
				30	3.8	-4.270	-0.0025	-2.5 to 2.5	Pass
				40	3.8	0.040	0.0000	-2.5 to 2.5	Pass
				50	3.8	-4.278	-0.0025	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.46	2.721	0.0016	-2.5 to 2.5	Pass
					3.8	1.315	0.0008	-2.5 to 2.5	Pass
					4.35	1.640	0.0009	-2.5 to 2.5	Pass



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				-30	3.8	-4.401	-0.0025	-2.5 to 2.5	Pass
				-20	3.8	4.226	0.0024	-2.5 to 2.5	Pass
				-10	3.8	4.247	0.0025	-2.5 to 2.5	Pass
				0	3.8	4.634	0.0027	-2.5 to 2.5	Pass
				10	3.8	-1.448	-0.0008	-2.5 to 2.5	Pass
				30	3.8	2.320	0.0013	-2.5 to 2.5	Pass
				40	3.8	-0.607	-0.0004	-2.5 to 2.5	Pass
				50	3.8	-3.822	-0.0022	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.46	-3.409	-0.0019	-2.5 to 2.5	Pass
					3.8	-5.061	-0.0029	-2.5 to 2.5	Pass
					4.35	-13.875	-0.0079	-2.5 to 2.5	Pass
				-30	3.8	-0.834	-0.0005	-2.5 to 2.5	Pass
				-20	3.8	-1.205	-0.0007	-2.5 to 2.5	Pass
				-10	3.8	-6.255	-0.0036	-2.5 to 2.5	Pass
				0	3.8	-2.119	-0.0012	-2.5 to 2.5	Pass
				10	3.8	-7.070	-0.0040	-2.5 to 2.5	Pass
				30	3.8	-1.758	-0.0010	-2.5 to 2.5	Pass
				40	3.8	-6.020	-0.0034	-2.5 to 2.5	Pass
				50	3.8	-6.135	-0.0035	-2.5 to 2.5	Pass

2.2 B4_3MHz

2.2.1 Test Result

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	3.46	-0.175	-0.0001	-2.5 to 2.5	Pass
					3.8	-9.549	-0.0056	-2.5 to 2.5	Pass
					4.35	2.140	0.0013	-2.5 to 2.5	Pass
				-30	3.8	-3.769	-0.0022	-2.5 to 2.5	Pass
				-20	3.8	3.391	0.0020	-2.5 to 2.5	Pass
				-10	3.8	-0.740	-0.0004	-2.5 to 2.5	Pass
				0	3.8	-2.198	-0.0013	-2.5 to 2.5	Pass
				10	3.8	-9.829	-0.0057	-2.5 to 2.5	Pass
				30	3.8	-3.349	-0.0020	-2.5 to 2.5	Pass
				40	3.8	-8.448	-0.0049	-2.5 to 2.5	Pass
				50	3.8	-7.952	-0.0046	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.46	-4.082	-0.0024	-2.5 to 2.5	Pass
					3.8	-8.216	-0.0047	-2.5 to 2.5	Pass
					4.35	-2.318	-0.0013	-2.5 to 2.5	Pass
				-30	3.8	0.230	0.0001	-2.5 to 2.5	Pass
				-20	3.8	3.209	0.0019	-2.5 to 2.5	Pass
				-10	3.8	0.547	0.0003	-2.5 to 2.5	Pass
				0	3.8	-9.164	-0.0053	-2.5 to 2.5	Pass
				10	3.8	-7.684	-0.0044	-2.5 to 2.5	Pass
				30	3.8	-5.902	-0.0034	-2.5 to 2.5	Pass
				40	3.8	-6.022	-0.0035	-2.5 to 2.5	Pass
				50	3.8	-4.735	-0.0027	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.46	2.472	0.0014	-2.5 to 2.5	Pass
					3.8	-2.683	-0.0015	-2.5 to 2.5	Pass
					4.35	-7.905	-0.0045	-2.5 to 2.5	Pass



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16QAM	1711.5	15	0	-30	3.8	0.805	0.0005	-2.5 to 2.5	Pass
				-20	3.8	-3.839	-0.0022	-2.5 to 2.5	Pass
				-10	3.8	-4.274	-0.0024	-2.5 to 2.5	Pass
				0	3.8	-12.264	-0.0070	-2.5 to 2.5	Pass
				10	3.8	1.127	0.0006	-2.5 to 2.5	Pass
				30	3.8	-0.183	-0.0001	-2.5 to 2.5	Pass
				40	3.8	1.646	0.0009	-2.5 to 2.5	Pass
				50	3.8	1.283	0.0007	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.46	-1.336	-0.0008	-2.5 to 2.5	Pass
					3.8	2.359	0.0014	-2.5 to 2.5	Pass
					4.35	-7.961	-0.0047	-2.5 to 2.5	Pass
				-30	3.8	-5.133	-0.0030	-2.5 to 2.5	Pass
				-20	3.8	0.091	0.0001	-2.5 to 2.5	Pass
				-10	3.8	-6.896	-0.0040	-2.5 to 2.5	Pass
				0	3.8	-8.271	-0.0048	-2.5 to 2.5	Pass
				10	3.8	1.074	0.0006	-2.5 to 2.5	Pass
				30	3.8	1.290	0.0008	-2.5 to 2.5	Pass
				40	3.8	3.925	0.0023	-2.5 to 2.5	Pass
				50	3.8	0.512	0.0003	-2.5 to 2.5	Pass
				20	3.46	-6.038	-0.0035	-2.5 to 2.5	Pass
					3.8	-3.381	-0.0020	-2.5 to 2.5	Pass
					4.35	5.660	0.0033	-2.5 to 2.5	Pass
				-30	3.8	4.128	0.0024	-2.5 to 2.5	Pass
				-20	3.8	-3.217	-0.0019	-2.5 to 2.5	Pass
				-10	3.8	-6.576	-0.0038	-2.5 to 2.5	Pass
				0	3.8	-4.548	-0.0026	-2.5 to 2.5	Pass
				10	3.8	0.164	0.0001	-2.5 to 2.5	Pass
				30	3.8	-7.092	-0.0041	-2.5 to 2.5	Pass
				40	3.8	-9.015	-0.0052	-2.5 to 2.5	Pass
				50	3.8	-4.855	-0.0028	-2.5 to 2.5	Pass
64QAM	1711.5	15	0	20	3.46	-1.335	-0.0008	-2.5 to 2.5	Pass
					3.8	-4.200	-0.0024	-2.5 to 2.5	Pass
					4.35	-7.593	-0.0043	-2.5 to 2.5	Pass
				-30	3.8	-8.794	-0.0050	-2.5 to 2.5	Pass
				-20	3.8	-6.873	-0.0039	-2.5 to 2.5	Pass
				-10	3.8	-8.390	-0.0048	-2.5 to 2.5	Pass
				0	3.8	-5.607	-0.0032	-2.5 to 2.5	Pass
				10	3.8	-3.148	-0.0018	-2.5 to 2.5	Pass
				30	3.8	-1.073	-0.0006	-2.5 to 2.5	Pass
				40	3.8	-6.667	-0.0038	-2.5 to 2.5	Pass
				50	3.8	-8.029	-0.0046	-2.5 to 2.5	Pass
				20	3.46	-10.734	-0.0063	-2.5 to 2.5	Pass
					3.8	-1.574	-0.0009	-2.5 to 2.5	Pass
					4.35	1.044	0.0006	-2.5 to 2.5	Pass
				-30	3.8	-5.014	-0.0029	-2.5 to 2.5	Pass
				-20	3.8	0.503	0.0003	-2.5 to 2.5	Pass
				-10	3.8	-8.128	-0.0047	-2.5 to 2.5	Pass
				0	3.8	-4.086	-0.0024	-2.5 to 2.5	Pass
				10	3.8	0.431	0.0003	-2.5 to 2.5	Pass
				30	3.8	-0.498	-0.0003	-2.5 to 2.5	Pass
				40	3.8	-4.613	-0.0027	-2.5 to 2.5	Pass
				50	3.8	-8.279	-0.0048	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.46	2.738	0.0016	-2.5 to 2.5	Pass
					3.8	3.300	0.0019	-2.5 to 2.5	Pass

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					4.35	-0.034	0.0000	-2.5 to 2.5	Pass
				-30	3.8	-3.803	-0.0022	-2.5 to 2.5	Pass
				-20	3.8	2.230	0.0013	-2.5 to 2.5	Pass
				-10	3.8	-6.844	-0.0040	-2.5 to 2.5	Pass
				0	3.8	-5.798	-0.0033	-2.5 to 2.5	Pass
				10	3.8	-7.648	-0.0044	-2.5 to 2.5	Pass
				30	3.8	-9.604	-0.0055	-2.5 to 2.5	Pass
				40	3.8	-7.865	-0.0045	-2.5 to 2.5	Pass
				50	3.8	-6.490	-0.0037	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.46	-9.880	-0.0056	-2.5 to 2.5	Pass
					3.8	-0.642	-0.0004	-2.5 to 2.5	Pass
					4.35	1.342	0.0008	-2.5 to 2.5	Pass
				-30	3.8	-6.407	-0.0037	-2.5 to 2.5	Pass
				-20	3.8	-10.640	-0.0061	-2.5 to 2.5	Pass
				-10	3.8	-7.939	-0.0045	-2.5 to 2.5	Pass
				0	3.8	-8.990	-0.0051	-2.5 to 2.5	Pass
				10	3.8	-7.394	-0.0042	-2.5 to 2.5	Pass
				30	3.8	-7.357	-0.0042	-2.5 to 2.5	Pass
				40	3.8	1.574	0.0009	-2.5 to 2.5	Pass
				50	3.8	0.819	0.0005	-2.5 to 2.5	Pass

2.3 B4_5MHz

2.3.1 Test Result

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	3.46	-11.219	-0.0066	-2.5 to 2.5	Pass
					3.8	-3.484	-0.0020	-2.5 to 2.5	Pass
					4.35	-0.732	-0.0004	-2.5 to 2.5	Pass
				-30	3.8	-3.740	-0.0022	-2.5 to 2.5	Pass
				-20	3.8	-2.110	-0.0012	-2.5 to 2.5	Pass
				-10	3.8	-12.433	-0.0073	-2.5 to 2.5	Pass
				0	3.8	-4.411	-0.0026	-2.5 to 2.5	Pass
				10	3.8	-8.499	-0.0050	-2.5 to 2.5	Pass
				30	3.8	-13.581	-0.0079	-2.5 to 2.5	Pass
				40	3.8	-5.406	-0.0032	-2.5 to 2.5	Pass
				50	3.8	-11.788	-0.0069	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.46	-5.031	-0.0029	-2.5 to 2.5	Pass
					3.8	-3.971	-0.0023	-2.5 to 2.5	Pass
					4.35	-3.472	-0.0020	-2.5 to 2.5	Pass
				-30	3.8	-4.443	-0.0026	-2.5 to 2.5	Pass
				-20	3.8	3.058	0.0018	-2.5 to 2.5	Pass
				-10	3.8	-5.825	-0.0034	-2.5 to 2.5	Pass
				0	3.8	-5.673	-0.0033	-2.5 to 2.5	Pass
				10	3.8	-0.679	-0.0004	-2.5 to 2.5	Pass
				30	3.8	0.047	0.0000	-2.5 to 2.5	Pass
				40	3.8	-0.342	-0.0002	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.46	-9.303	-0.0053	-2.5 to 2.5	Pass
					3.8	-8.736	-0.0050	-2.5 to 2.5	Pass



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					4.35	-4.994	-0.0028	-2.5 to 2.5	Pass
				-30	3.8	1.501	0.0009	-2.5 to 2.5	Pass
				-20	3.8	-8.984	-0.0051	-2.5 to 2.5	Pass
				-10	3.8	0.536	0.0003	-2.5 to 2.5	Pass
				0	3.8	-5.348	-0.0031	-2.5 to 2.5	Pass
				10	3.8	-9.647	-0.0055	-2.5 to 2.5	Pass
				30	3.8	0.941	0.0005	-2.5 to 2.5	Pass
				40	3.8	-7.475	-0.0043	-2.5 to 2.5	Pass
				50	3.8	-0.124	-0.0001	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.46	-5.645	-0.0033	-2.5 to 2.5	Pass
					3.8	-8.658	-0.0051	-2.5 to 2.5	Pass
					4.35	-5.743	-0.0034	-2.5 to 2.5	Pass
				-30	3.8	-12.786	-0.0075	-2.5 to 2.5	Pass
				-20	3.8	-8.173	-0.0048	-2.5 to 2.5	Pass
				-10	3.8	-10.953	-0.0064	-2.5 to 2.5	Pass
				0	3.8	-12.760	-0.0075	-2.5 to 2.5	Pass
				10	3.8	-7.357	-0.0043	-2.5 to 2.5	Pass
				30	3.8	-7.076	-0.0041	-2.5 to 2.5	Pass
				40	3.8	-8.440	-0.0049	-2.5 to 2.5	Pass
				50	3.8	-10.225	-0.0060	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.46	4.157	0.0024	-2.5 to 2.5	Pass
					3.8	-0.292	-0.0002	-2.5 to 2.5	Pass
					4.35	-2.075	-0.0012	-2.5 to 2.5	Pass
				-30	3.8	0.174	0.0001	-2.5 to 2.5	Pass
				-20	3.8	-3.850	-0.0022	-2.5 to 2.5	Pass
				-10	3.8	-5.971	-0.0034	-2.5 to 2.5	Pass
				0	3.8	-1.502	-0.0009	-2.5 to 2.5	Pass
				10	3.8	-0.967	-0.0006	-2.5 to 2.5	Pass
				30	3.8	4.233	0.0024	-2.5 to 2.5	Pass
				40	3.8	4.775	0.0028	-2.5 to 2.5	Pass
				50	3.8	-1.108	-0.0006	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.46	-6.441	-0.0037	-2.5 to 2.5	Pass
					3.8	-9.297	-0.0053	-2.5 to 2.5	Pass
					4.35	-5.285	-0.0030	-2.5 to 2.5	Pass
				-30	3.8	1.363	0.0008	-2.5 to 2.5	Pass
				-20	3.8	-8.173	-0.0047	-2.5 to 2.5	Pass
				-10	3.8	-9.640	-0.0055	-2.5 to 2.5	Pass
				0	3.8	-0.483	-0.0003	-2.5 to 2.5	Pass
				10	3.8	-8.270	-0.0047	-2.5 to 2.5	Pass
				30	3.8	3.098	0.0018	-2.5 to 2.5	Pass
				40	3.8	-6.354	-0.0036	-2.5 to 2.5	Pass
64QAM	1712.5	25	0	20	3.8	-7.732	-0.0044	-2.5 to 2.5	Pass
					3.46	-5.139	-0.0030	-2.5 to 2.5	Pass
					3.8	-3.721	-0.0022	-2.5 to 2.5	Pass
					4.35	-13.027	-0.0076	-2.5 to 2.5	Pass
				-30	3.8	-12.158	-0.0071	-2.5 to 2.5	Pass
				-20	3.8	0.366	0.0002	-2.5 to 2.5	Pass
				-10	3.8	-0.883	-0.0005	-2.5 to 2.5	Pass
				0	3.8	-1.464	-0.0009	-2.5 to 2.5	Pass
				10	3.8	-3.971	-0.0023	-2.5 to 2.5	Pass
				30	3.8	-8.548	-0.0050	-2.5 to 2.5	Pass
				40	3.8	-11.596	-0.0068	-2.5 to 2.5	Pass
				50	3.8	-8.527	-0.0050	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.46	-4.080	-0.0024	-2.5 to 2.5	Pass

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					3.8	1.107	0.0006	-2.5 to 2.5	Pass
					4.35	-4.184	-0.0024	-2.5 to 2.5	Pass
				-30	3.8	4.501	0.0026	-2.5 to 2.5	Pass
				-20	3.8	-4.404	-0.0025	-2.5 to 2.5	Pass
				-10	3.8	-0.905	-0.0005	-2.5 to 2.5	Pass
				0	3.8	-1.197	-0.0007	-2.5 to 2.5	Pass
				10	3.8	-7.063	-0.0041	-2.5 to 2.5	Pass
				30	3.8	-5.760	-0.0033	-2.5 to 2.5	Pass
				40	3.8	-2.121	-0.0012	-2.5 to 2.5	Pass
				50	3.8	-4.327	-0.0025	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.46	-0.144	-0.0001	-2.5 to 2.5	Pass
					3.8	3.794	0.0022	-2.5 to 2.5	Pass
					4.35	-1.733	-0.0010	-2.5 to 2.5	Pass
				-30	3.8	1.027	0.0006	-2.5 to 2.5	Pass
				-20	3.8	-3.155	-0.0018	-2.5 to 2.5	Pass
				-10	3.8	-0.673	-0.0004	-2.5 to 2.5	Pass
				0	3.8	-6.720	-0.0038	-2.5 to 2.5	Pass
				10	3.8	-5.919	-0.0034	-2.5 to 2.5	Pass
				30	3.8	-5.340	-0.0030	-2.5 to 2.5	Pass
				40	3.8	-5.368	-0.0031	-2.5 to 2.5	Pass
				50	3.8	-2.315	-0.0013	-2.5 to 2.5	Pass

2.4 B4_10MHz

2.4.1 Test Result

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	3.46	-6.124	-0.0036	-2.5 to 2.5	Pass
					3.8	2.369	0.0014	-2.5 to 2.5	Pass
					4.35	-2.058	-0.0012	-2.5 to 2.5	Pass
				-30	3.8	-0.091	-0.0001	-2.5 to 2.5	Pass
				-20	3.8	-2.845	-0.0017	-2.5 to 2.5	Pass
				-10	3.8	-7.303	-0.0043	-2.5 to 2.5	Pass
				0	3.8	-5.063	-0.0030	-2.5 to 2.5	Pass
				10	3.8	-6.965	-0.0041	-2.5 to 2.5	Pass
				30	3.8	-8.544	-0.0050	-2.5 to 2.5	Pass
				40	3.8	-8.180	-0.0048	-2.5 to 2.5	Pass
				50	3.8	-2.597	-0.0015	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.46	0.833	0.0005	-2.5 to 2.5	Pass
					3.8	-0.526	-0.0003	-2.5 to 2.5	Pass
					4.35	0.405	0.0002	-2.5 to 2.5	Pass
				-30	3.8	-1.557	-0.0009	-2.5 to 2.5	Pass
				-20	3.8	2.068	0.0012	-2.5 to 2.5	Pass
				-10	3.8	1.709	0.0010	-2.5 to 2.5	Pass
				0	3.8	0.203	0.0001	-2.5 to 2.5	Pass
				10	3.8	4.781	0.0028	-2.5 to 2.5	Pass
				30	3.8	2.486	0.0014	-2.5 to 2.5	Pass
				40	3.8	-4.485	-0.0026	-2.5 to 2.5	Pass
				50	3.8	-3.862	-0.0022	-2.5 to 2.5	Pass
	1750	50	0	20	3.46	-9.958	-0.0057	-2.5 to 2.5	Pass



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					3.8	-5.743	-0.0033	-2.5 to 2.5	Pass
					4.35	-5.261	-0.0030	-2.5 to 2.5	Pass
				-30	3.8	-3.582	-0.0020	-2.5 to 2.5	Pass
				-20	3.8	-10.721	-0.0061	-2.5 to 2.5	Pass
				-10	3.8	-4.799	-0.0027	-2.5 to 2.5	Pass
				0	3.8	-6.021	-0.0034	-2.5 to 2.5	Pass
				10	3.8	-4.805	-0.0027	-2.5 to 2.5	Pass
				30	3.8	-1.232	-0.0007	-2.5 to 2.5	Pass
				40	3.8	-13.058	-0.0075	-2.5 to 2.5	Pass
				50	3.8	1.861	0.0011	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.46	-5.354	-0.0031	-2.5 to 2.5	Pass
					3.8	-3.841	-0.0022	-2.5 to 2.5	Pass
					4.35	-7.577	-0.0044	-2.5 to 2.5	Pass
				-30	3.8	-3.815	-0.0022	-2.5 to 2.5	Pass
				-20	3.8	-1.420	-0.0008	-2.5 to 2.5	Pass
				-10	3.8	1.935	0.0011	-2.5 to 2.5	Pass
				0	3.8	-1.181	-0.0007	-2.5 to 2.5	Pass
				10	3.8	-7.150	-0.0042	-2.5 to 2.5	Pass
				30	3.8	-4.075	-0.0024	-2.5 to 2.5	Pass
				40	3.8	-12.343	-0.0072	-2.5 to 2.5	Pass
				50	3.8	-0.778	-0.0005	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.46	0.110	0.0001	-2.5 to 2.5	Pass
					3.8	-2.239	-0.0013	-2.5 to 2.5	Pass
					4.35	-2.211	-0.0013	-2.5 to 2.5	Pass
				-30	3.8	0.271	0.0002	-2.5 to 2.5	Pass
				-20	3.8	-1.911	-0.0011	-2.5 to 2.5	Pass
				-10	3.8	1.489	0.0009	-2.5 to 2.5	Pass
				0	3.8	-3.057	-0.0018	-2.5 to 2.5	Pass
				10	3.8	-7.533	-0.0043	-2.5 to 2.5	Pass
				30	3.8	-3.054	-0.0018	-2.5 to 2.5	Pass
				40	3.8	-1.872	-0.0011	-2.5 to 2.5	Pass
				50	3.8	4.311	0.0025	-2.5 to 2.5	Pass
	1750	50	0	20	3.46	-0.093	-0.0001	-2.5 to 2.5	Pass
					3.8	-7.128	-0.0041	-2.5 to 2.5	Pass
					4.35	-10.665	-0.0061	-2.5 to 2.5	Pass
				-30	3.8	-4.469	-0.0026	-2.5 to 2.5	Pass
				-20	3.8	-9.362	-0.0053	-2.5 to 2.5	Pass
				-10	3.8	-1.545	-0.0009	-2.5 to 2.5	Pass
				0	3.8	-8.028	-0.0046	-2.5 to 2.5	Pass
				10	3.8	-9.381	-0.0054	-2.5 to 2.5	Pass
				30	3.8	-6.544	-0.0037	-2.5 to 2.5	Pass
40				3.8	-8.333	-0.0048	-2.5 to 2.5	Pass	
50				3.8	-7.688	-0.0044	-2.5 to 2.5	Pass	
64QAM	1715	50	0	20	3.46	-9.050	-0.0053	-2.5 to 2.5	Pass
					3.8	-7.659	-0.0045	-2.5 to 2.5	Pass
					4.35	-8.102	-0.0047	-2.5 to 2.5	Pass
				-30	3.8	-4.688	-0.0027	-2.5 to 2.5	Pass
				-20	3.8	-8.284	-0.0048	-2.5 to 2.5	Pass
				-10	3.8	-7.351	-0.0043	-2.5 to 2.5	Pass
				0	3.8	-3.466	-0.0020	-2.5 to 2.5	Pass
				10	3.8	-3.992	-0.0023	-2.5 to 2.5	Pass
				30	3.8	-10.587	-0.0062	-2.5 to 2.5	Pass
				40	3.8	-9.840	-0.0057	-2.5 to 2.5	Pass
				50	3.8	-2.679	-0.0016	-2.5 to 2.5	Pass



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	1732.5	50	0	20	3.46	-0.393	-0.0002	-2.5 to 2.5	Pass
					3.8	-3.757	-0.0022	-2.5 to 2.5	Pass
					4.35	-4.669	-0.0027	-2.5 to 2.5	Pass
				-30	3.8	4.234	0.0024	-2.5 to 2.5	Pass
				-20	3.8	-3.687	-0.0021	-2.5 to 2.5	Pass
				-10	3.8	-1.326	-0.0008	-2.5 to 2.5	Pass
				0	3.8	-3.384	-0.0020	-2.5 to 2.5	Pass
				10	3.8	7.184	0.0041	-2.5 to 2.5	Pass
				30	3.8	-7.519	-0.0043	-2.5 to 2.5	Pass
	1750	50	0	40	3.8	-6.422	-0.0037	-2.5 to 2.5	Pass
				50	3.8	-6.647	-0.0038	-2.5 to 2.5	Pass
				20	3.46	-5.054	-0.0029	-2.5 to 2.5	Pass
					3.8	-3.352	-0.0019	-2.5 to 2.5	Pass
					4.35	-9.152	-0.0052	-2.5 to 2.5	Pass
				-30	3.8	-9.867	-0.0056	-2.5 to 2.5	Pass
				-20	3.8	-10.030	-0.0057	-2.5 to 2.5	Pass
				-10	3.8	-10.047	-0.0057	-2.5 to 2.5	Pass
				0	3.8	-11.373	-0.0065	-2.5 to 2.5	Pass
				10	3.8	-7.908	-0.0045	-2.5 to 2.5	Pass
				30	3.8	-7.708	-0.0044	-2.5 to 2.5	Pass
				40	3.8	-4.892	-0.0028	-2.5 to 2.5	Pass
				50	3.8	-6.322	-0.0036	-2.5 to 2.5	Pass

2.5 B4_15MHz

2.5.1 Test Result

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	3.46	-0.124	-0.0001	-2.5 to 2.5	Pass
					3.8	-4.394	-0.0026	-2.5 to 2.5	Pass
					4.35	-4.733	-0.0028	-2.5 to 2.5	Pass
				-30	3.8	-7.857	-0.0046	-2.5 to 2.5	Pass
				-20	3.8	-4.278	-0.0025	-2.5 to 2.5	Pass
				-10	3.8	-3.678	-0.0021	-2.5 to 2.5	Pass
				0	3.8	-5.048	-0.0029	-2.5 to 2.5	Pass
				10	3.8	1.874	0.0011	-2.5 to 2.5	Pass
				30	3.8	-7.698	-0.0045	-2.5 to 2.5	Pass
				40	3.8	-8.814	-0.0051	-2.5 to 2.5	Pass
				50	3.8	0.026	0.0000	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.46	-3.762	-0.0022	-2.5 to 2.5	Pass
					3.8	-5.988	-0.0035	-2.5 to 2.5	Pass
					4.35	-4.201	-0.0024	-2.5 to 2.5	Pass
				-30	3.8	-0.071	0.0000	-2.5 to 2.5	Pass
				-20	3.8	-5.651	-0.0033	-2.5 to 2.5	Pass
				-10	3.8	-3.681	-0.0021	-2.5 to 2.5	Pass
				0	3.8	0.247	0.0001	-2.5 to 2.5	Pass
				10	3.8	-4.888	-0.0028	-2.5 to 2.5	Pass
				30	3.8	-2.375	-0.0014	-2.5 to 2.5	Pass
				40	3.8	-3.513	-0.0020	-2.5 to 2.5	Pass
				50	3.8	2.101	0.0012	-2.5 to 2.5	Pass



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	1747.5	75	0	20	3.46	-8.672	-0.0050	-2.5 to 2.5	Pass
					3.8	-9.258	-0.0053	-2.5 to 2.5	Pass
					4.35	-3.014	-0.0017	-2.5 to 2.5	Pass
				-30	3.8	-2.092	-0.0012	-2.5 to 2.5	Pass
				-20	3.8	-7.146	-0.0041	-2.5 to 2.5	Pass
				-10	3.8	-6.446	-0.0037	-2.5 to 2.5	Pass
				0	3.8	-11.644	-0.0067	-2.5 to 2.5	Pass
				10	3.8	-6.898	-0.0039	-2.5 to 2.5	Pass
				30	3.8	-12.095	-0.0069	-2.5 to 2.5	Pass
				40	3.8	-4.786	-0.0027	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.46	-5.345	-0.0031	-2.5 to 2.5	Pass
					3.8	-7.563	-0.0044	-2.5 to 2.5	Pass
					4.35	-4.047	-0.0024	-2.5 to 2.5	Pass
				-30	3.8	3.524	0.0021	-2.5 to 2.5	Pass
				-20	3.8	-4.718	-0.0027	-2.5 to 2.5	Pass
				-10	3.8	-3.669	-0.0021	-2.5 to 2.5	Pass
				0	3.8	-9.121	-0.0053	-2.5 to 2.5	Pass
				10	3.8	0.966	0.0006	-2.5 to 2.5	Pass
				30	3.8	-3.391	-0.0020	-2.5 to 2.5	Pass
				40	3.8	-8.649	-0.0050	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.46	-10.012	-0.0058	-2.5 to 2.5	Pass
					3.8	-0.685	-0.0004	-2.5 to 2.5	Pass
					4.35	-8.763	-0.0051	-2.5 to 2.5	Pass
				-30	3.8	-5.386	-0.0031	-2.5 to 2.5	Pass
				-20	3.8	1.911	0.0011	-2.5 to 2.5	Pass
				-10	3.8	0.178	0.0001	-2.5 to 2.5	Pass
				0	3.8	-1.773	-0.0010	-2.5 to 2.5	Pass
				10	3.8	-2.376	-0.0014	-2.5 to 2.5	Pass
				30	3.8	-8.339	-0.0048	-2.5 to 2.5	Pass
				40	3.8	0.427	0.0002	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.46	-13.372	-0.0077	-2.5 to 2.5	Pass
					3.8	-8.915	-0.0051	-2.5 to 2.5	Pass
					4.35	-2.475	-0.0014	-2.5 to 2.5	Pass
				-30	3.8	0.809	0.0005	-2.5 to 2.5	Pass
				-20	3.8	-3.868	-0.0022	-2.5 to 2.5	Pass
				-10	3.8	-10.591	-0.0061	-2.5 to 2.5	Pass
				0	3.8	-4.594	-0.0026	-2.5 to 2.5	Pass
				10	3.8	-11.008	-0.0063	-2.5 to 2.5	Pass
				30	3.8	-4.874	-0.0028	-2.5 to 2.5	Pass
				40	3.8	-6.402	-0.0037	-2.5 to 2.5	Pass
64QAM	1717.5	75	0	20	3.46	-4.981	-0.0029	-2.5 to 2.5	Pass
					3.8	-4.182	-0.0024	-2.5 to 2.5	Pass
					4.35	2.843	0.0017	-2.5 to 2.5	Pass
				-30	3.8	-2.209	-0.0013	-2.5 to 2.5	Pass
				-20	3.8	0.484	0.0003	-2.5 to 2.5	Pass
				-10	3.8	-1.445	-0.0008	-2.5 to 2.5	Pass
				0	3.8	-5.941	-0.0035	-2.5 to 2.5	Pass
				10	3.8	-5.219	-0.0030	-2.5 to 2.5	Pass
				30	3.8	-6.395	-0.0037	-2.5 to 2.5	Pass
				40	3.8	-0.433	-0.0003	-2.5 to 2.5	Pass

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	1732.5	75	0	50	3.8	-6.441	-0.0038	-2.5 to 2.5	Pass
				20	3.46	0.357	0.0002	-2.5 to 2.5	Pass
					3.8	1.387	0.0008	-2.5 to 2.5	Pass
					4.35	-2.432	-0.0014	-2.5 to 2.5	Pass
				-30	3.8	-0.565	-0.0003	-2.5 to 2.5	Pass
				-20	3.8	-1.394	-0.0008	-2.5 to 2.5	Pass
				-10	3.8	-10.195	-0.0059	-2.5 to 2.5	Pass
				0	3.8	0.166	0.0001	-2.5 to 2.5	Pass
				10	3.8	-4.849	-0.0028	-2.5 to 2.5	Pass
				30	3.8	-5.586	-0.0032	-2.5 to 2.5	Pass
	1747.5	75	0	40	3.8	-8.346	-0.0048	-2.5 to 2.5	Pass
				50	3.8	0.045	0.0000	-2.5 to 2.5	Pass
				20	3.46	-11.383	-0.0065	-2.5 to 2.5	Pass
					3.8	-3.765	-0.0022	-2.5 to 2.5	Pass
					4.35	-4.770	-0.0027	-2.5 to 2.5	Pass
				-30	3.8	-11.116	-0.0064	-2.5 to 2.5	Pass
				-20	3.8	-6.285	-0.0036	-2.5 to 2.5	Pass
				-10	3.8	-10.025	-0.0057	-2.5 to 2.5	Pass
				0	3.8	-7.268	-0.0042	-2.5 to 2.5	Pass
				10	3.8	-2.542	-0.0015	-2.5 to 2.5	Pass
				30	3.8	-3.433	-0.0020	-2.5 to 2.5	Pass
				40	3.8	-3.963	-0.0023	-2.5 to 2.5	Pass
				50	3.8	-4.393	-0.0025	-2.5 to 2.5	Pass

2.6 B4_20MHz

2.6.1 Test Result

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	3.46	-4.560	-0.0027	-2.5 to 2.5	Pass
					3.8	-1.657	-0.0010	-2.5 to 2.5	Pass
					4.35	-7.313	-0.0043	-2.5 to 2.5	Pass
				-30	3.8	-3.334	-0.0019	-2.5 to 2.5	Pass
				-20	3.8	-8.675	-0.0050	-2.5 to 2.5	Pass
				-10	3.8	-7.266	-0.0042	-2.5 to 2.5	Pass
				0	3.8	0.879	0.0005	-2.5 to 2.5	Pass
				10	3.8	-5.518	-0.0032	-2.5 to 2.5	Pass
				30	3.8	-9.542	-0.0055	-2.5 to 2.5	Pass
				40	3.8	-1.498	-0.0009	-2.5 to 2.5	Pass
	1732.5	100	0	50	3.8	-2.320	-0.0013	-2.5 to 2.5	Pass
				20	3.46	-2.326	-0.0013	-2.5 to 2.5	Pass
					3.8	-8.044	-0.0046	-2.5 to 2.5	Pass
					4.35	0.976	0.0006	-2.5 to 2.5	Pass
				-30	3.8	-2.546	-0.0015	-2.5 to 2.5	Pass
				-20	3.8	-1.921	-0.0011	-2.5 to 2.5	Pass
				-10	3.8	-2.386	-0.0014	-2.5 to 2.5	Pass
				0	3.8	-0.804	-0.0005	-2.5 to 2.5	Pass
				10	3.8	-6.603	-0.0038	-2.5 to 2.5	Pass
				30	3.8	-5.308	-0.0031	-2.5 to 2.5	Pass
				40	3.8	-1.611	-0.0009	-2.5 to 2.5	Pass



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	1745	100	0	50	3.8	-3.844	-0.0022	-2.5 to 2.5	Pass
				20	3.46	-5.369	-0.0031	-2.5 to 2.5	Pass
					3.8	-9.854	-0.0056	-2.5 to 2.5	Pass
					4.35	-0.803	-0.0005	-2.5 to 2.5	Pass
				-30	3.8	-6.678	-0.0038	-2.5 to 2.5	Pass
				-20	3.8	-2.535	-0.0015	-2.5 to 2.5	Pass
				-10	3.8	-6.302	-0.0036	-2.5 to 2.5	Pass
				0	3.8	-2.338	-0.0013	-2.5 to 2.5	Pass
				10	3.8	-9.161	-0.0052	-2.5 to 2.5	Pass
				30	3.8	-5.919	-0.0034	-2.5 to 2.5	Pass
16QAM	1720	100	0	40	3.8	-1.701	-0.0010	-2.5 to 2.5	Pass
				50	3.8	-11.434	-0.0066	-2.5 to 2.5	Pass
				20	3.46	-5.137	-0.0030	-2.5 to 2.5	Pass
					3.8	-6.267	-0.0036	-2.5 to 2.5	Pass
					4.35	1.055	0.0006	-2.5 to 2.5	Pass
				-30	3.8	-5.570	-0.0032	-2.5 to 2.5	Pass
				-20	3.8	-6.710	-0.0039	-2.5 to 2.5	Pass
				-10	3.8	-10.887	-0.0063	-2.5 to 2.5	Pass
				0	3.8	-9.509	-0.0055	-2.5 to 2.5	Pass
				10	3.8	-10.067	-0.0059	-2.5 to 2.5	Pass
	1732.5	100	0	30	3.8	-9.883	-0.0057	-2.5 to 2.5	Pass
				40	3.8	-11.687	-0.0068	-2.5 to 2.5	Pass
				50	3.8	-6.530	-0.0038	-2.5 to 2.5	Pass
				20	3.46	0.638	0.0004	-2.5 to 2.5	Pass
					3.8	-8.061	-0.0047	-2.5 to 2.5	Pass
					4.35	2.921	0.0017	-2.5 to 2.5	Pass
				-30	3.8	-3.304	-0.0019	-2.5 to 2.5	Pass
				-20	3.8	-4.060	-0.0023	-2.5 to 2.5	Pass
				-10	3.8	0.052	0.0000	-2.5 to 2.5	Pass
				0	3.8	-2.627	-0.0015	-2.5 to 2.5	Pass
	1745	100	0	10	3.8	-11.432	-0.0066	-2.5 to 2.5	Pass
				30	3.8	-8.002	-0.0046	-2.5 to 2.5	Pass
				40	3.8	-2.062	-0.0012	-2.5 to 2.5	Pass
				50	3.8	-3.982	-0.0023	-2.5 to 2.5	Pass
				20	3.46	-5.277	-0.0030	-2.5 to 2.5	Pass
					3.8	-1.033	-0.0006	-2.5 to 2.5	Pass
					4.35	-5.183	-0.0030	-2.5 to 2.5	Pass
				-30	3.8	-0.766	-0.0004	-2.5 to 2.5	Pass
				-20	3.8	-1.175	-0.0007	-2.5 to 2.5	Pass
				-10	3.8	0.094	0.0001	-2.5 to 2.5	Pass
64QAM	1720	100	0	0	3.8	-4.247	-0.0024	-2.5 to 2.5	Pass
				10	3.8	-2.208	-0.0013	-2.5 to 2.5	Pass
				30	3.8	-3.584	-0.0021	-2.5 to 2.5	Pass
				40	3.8	0.707	0.0004	-2.5 to 2.5	Pass
				50	3.8	1.283	0.0007	-2.5 to 2.5	Pass
				20	3.46	-6.681	-0.0039	-2.5 to 2.5	Pass
					3.8	-11.185	-0.0065	-2.5 to 2.5	Pass
					4.35	-4.888	-0.0028	-2.5 to 2.5	Pass
				-30	3.8	-1.403	-0.0008	-2.5 to 2.5	Pass
				-20	3.8	-10.831	-0.0063	-2.5 to 2.5	Pass
				-10	3.8	-5.869	-0.0034	-2.5 to 2.5	Pass
				0	3.8	-2.639	-0.0015	-2.5 to 2.5	Pass
				10	3.8	-4.221	-0.0025	-2.5 to 2.5	Pass
				30	3.8	-7.141	-0.0042	-2.5 to 2.5	Pass

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	1732.5	100	0	40	3.8	-4.093	-0.0024	-2.5 to 2.5	Pass
				50	3.8	-7.150	-0.0042	-2.5 to 2.5	Pass
				20	3.46	-5.054	-0.0029	-2.5 to 2.5	Pass
					3.8	-0.020	0.0000	-2.5 to 2.5	Pass
					4.35	-3.605	-0.0021	-2.5 to 2.5	Pass
				-30	3.8	-9.575	-0.0055	-2.5 to 2.5	Pass
				-20	3.8	1.993	0.0012	-2.5 to 2.5	Pass
				-10	3.8	-5.077	-0.0029	-2.5 to 2.5	Pass
				0	3.8	-2.124	-0.0012	-2.5 to 2.5	Pass
				10	3.8	-7.939	-0.0046	-2.5 to 2.5	Pass
	1745	100	0	30	3.8	-7.244	-0.0042	-2.5 to 2.5	Pass
				40	3.8	1.674	0.0010	-2.5 to 2.5	Pass
				50	3.8	-12.218	-0.0071	-2.5 to 2.5	Pass
				20	3.46	-1.462	-0.0008	-2.5 to 2.5	Pass
					3.8	-5.576	-0.0032	-2.5 to 2.5	Pass
					4.35	-3.782	-0.0022	-2.5 to 2.5	Pass
				-30	3.8	-0.117	-0.0001	-2.5 to 2.5	Pass
				-20	3.8	-0.214	-0.0001	-2.5 to 2.5	Pass
				-10	3.8	-9.325	-0.0053	-2.5 to 2.5	Pass
				0	3.8	0.164	0.0001	-2.5 to 2.5	Pass
				10	3.8	-10.263	-0.0059	-2.5 to 2.5	Pass
				30	3.8	-2.611	-0.0015	-2.5 to 2.5	Pass
				40	3.8	-2.585	-0.0015	-2.5 to 2.5	Pass
				50	3.8	0.460	0.0003	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 B4_1.4MHz

3.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass
64QAM	1732.5	6	0	Refer To Test Graph		Pass



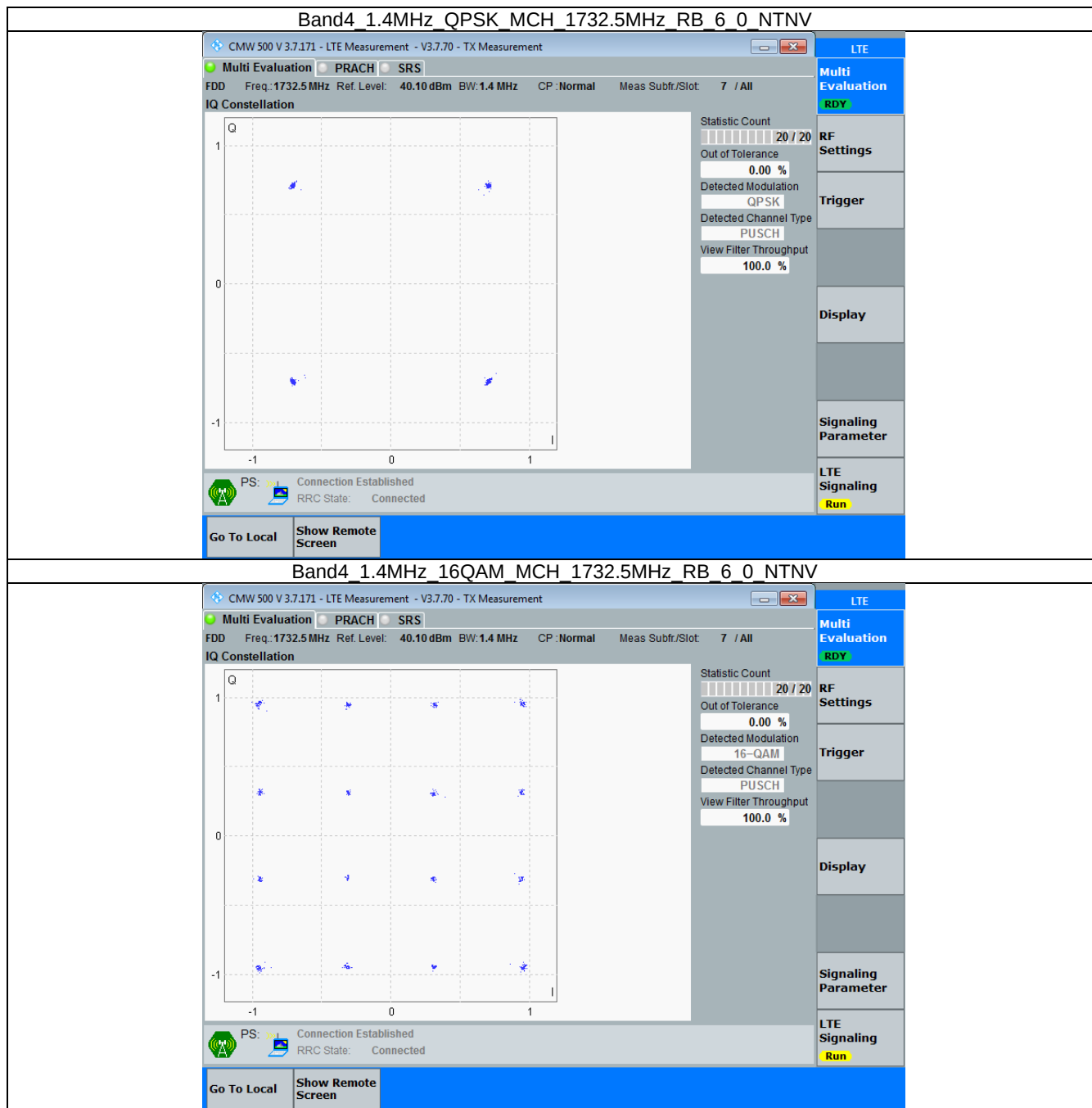
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3.1.2 Test Graph

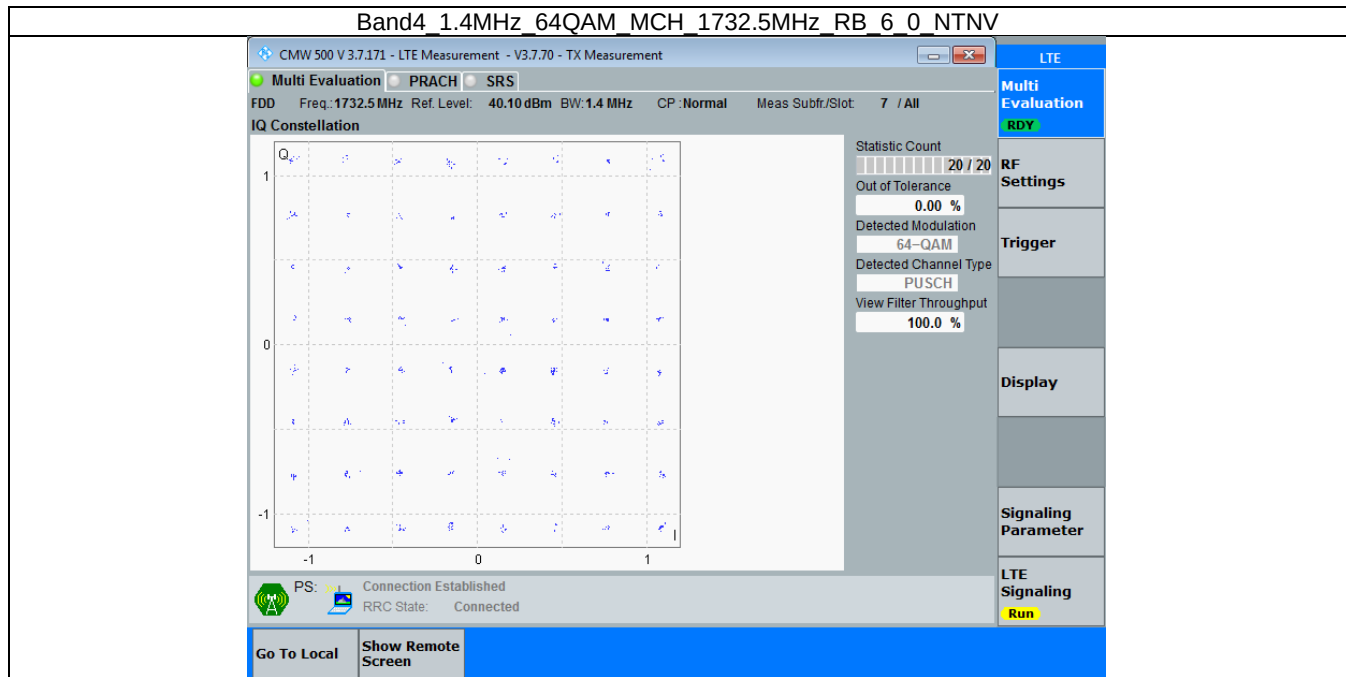


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3.2 B4_3MHz

3.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1732.5	15	0	Refer To Test Graph	Pass
16QAM	1732.5	15	0	Refer To Test Graph	Pass
64QAM	1732.5	15	0	Refer To Test Graph	Pass



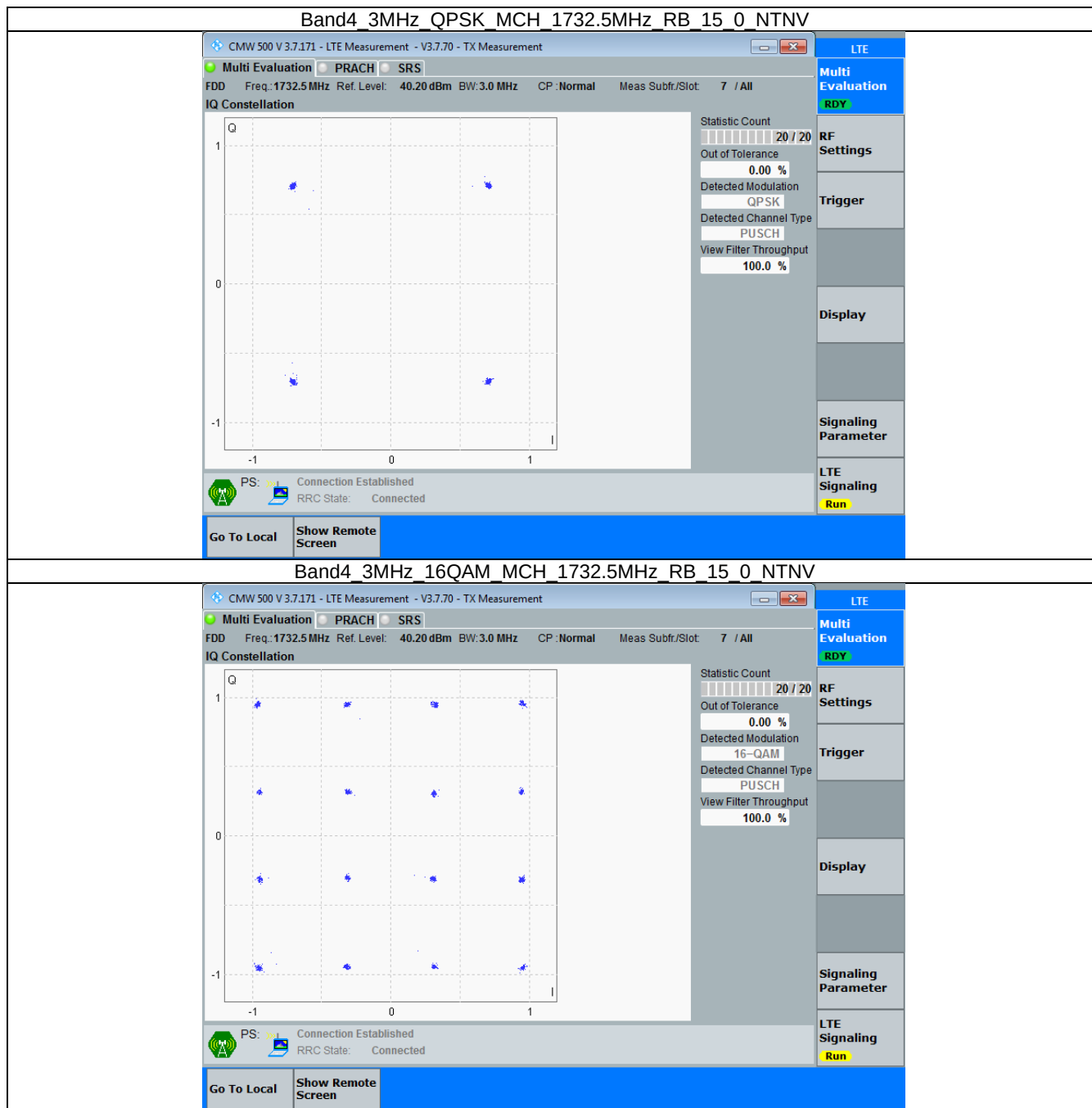
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3.2.2 Test Graph

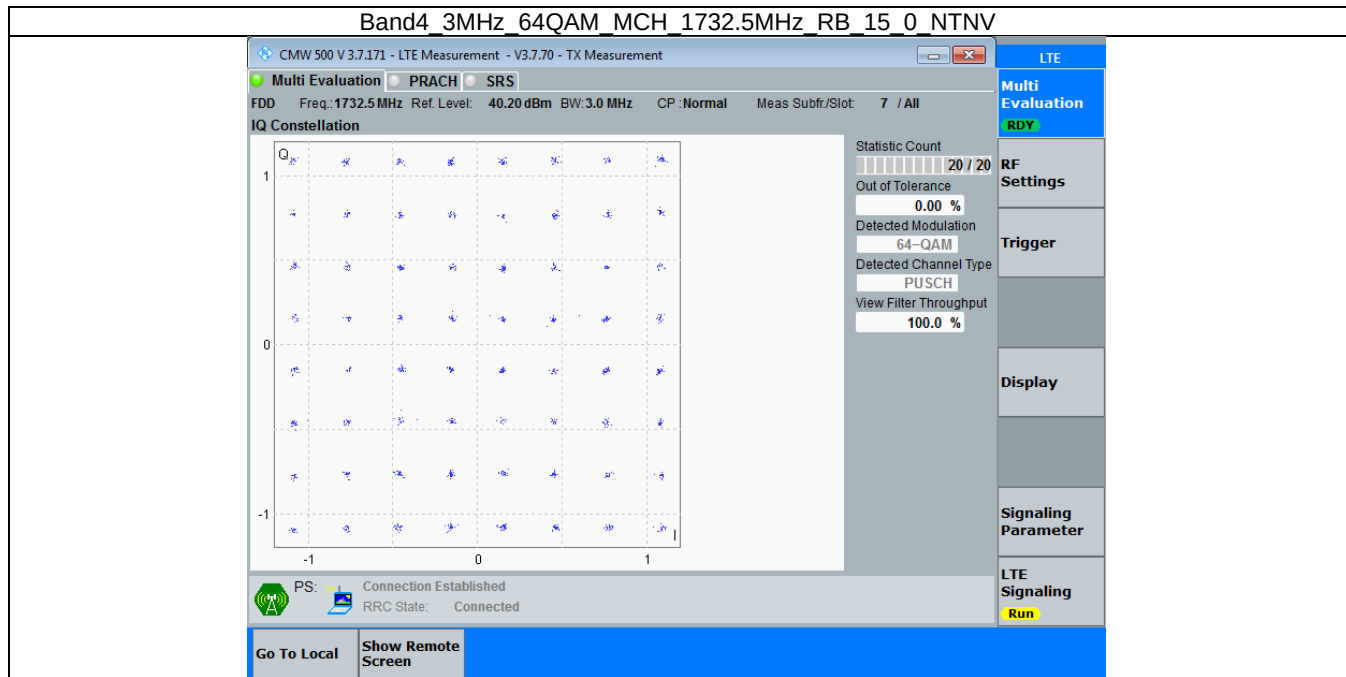


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3.3 B4_5MHz

3.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1732.5	25	0	Refer To Test Graph	Pass
16QAM	1732.5	25	0	Refer To Test Graph	Pass
64QAM	1732.5	25	0	Refer To Test Graph	Pass



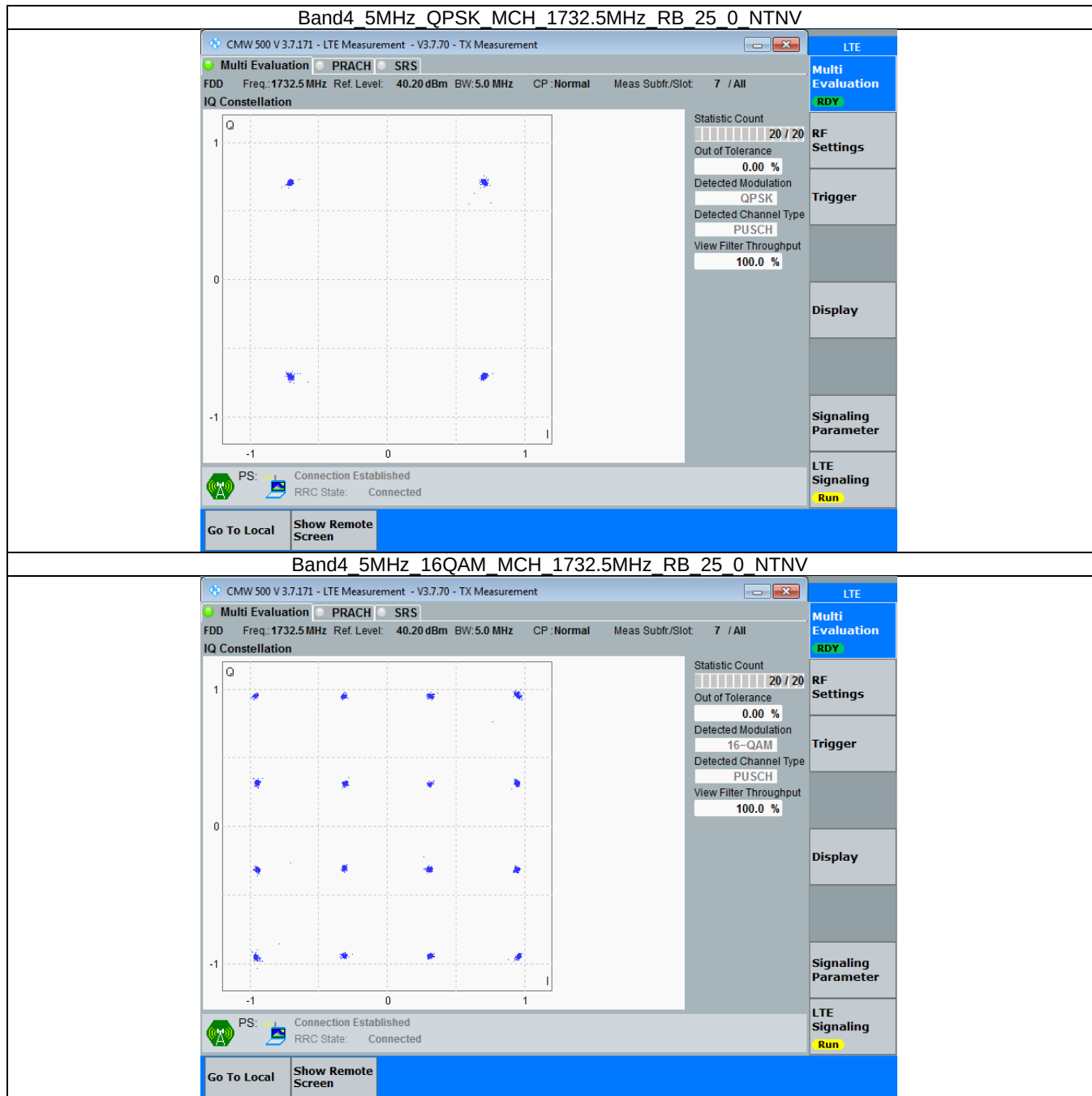
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3.3.2 Test Graph

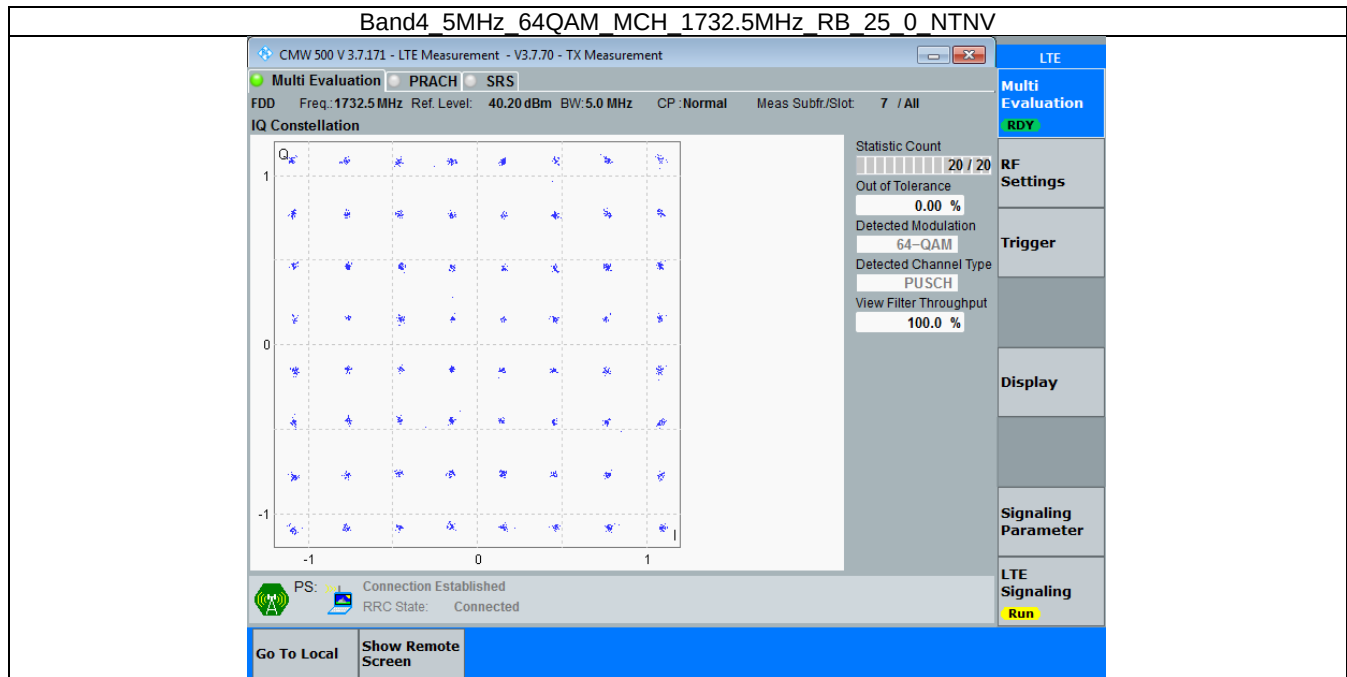


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3.4 B4_10MHz

3.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1732.5	50	0	Refer To Test Graph	Pass
16QAM	1732.5	50	0	Refer To Test Graph	Pass
64QAM	1732.5	50	0	Refer To Test Graph	Pass



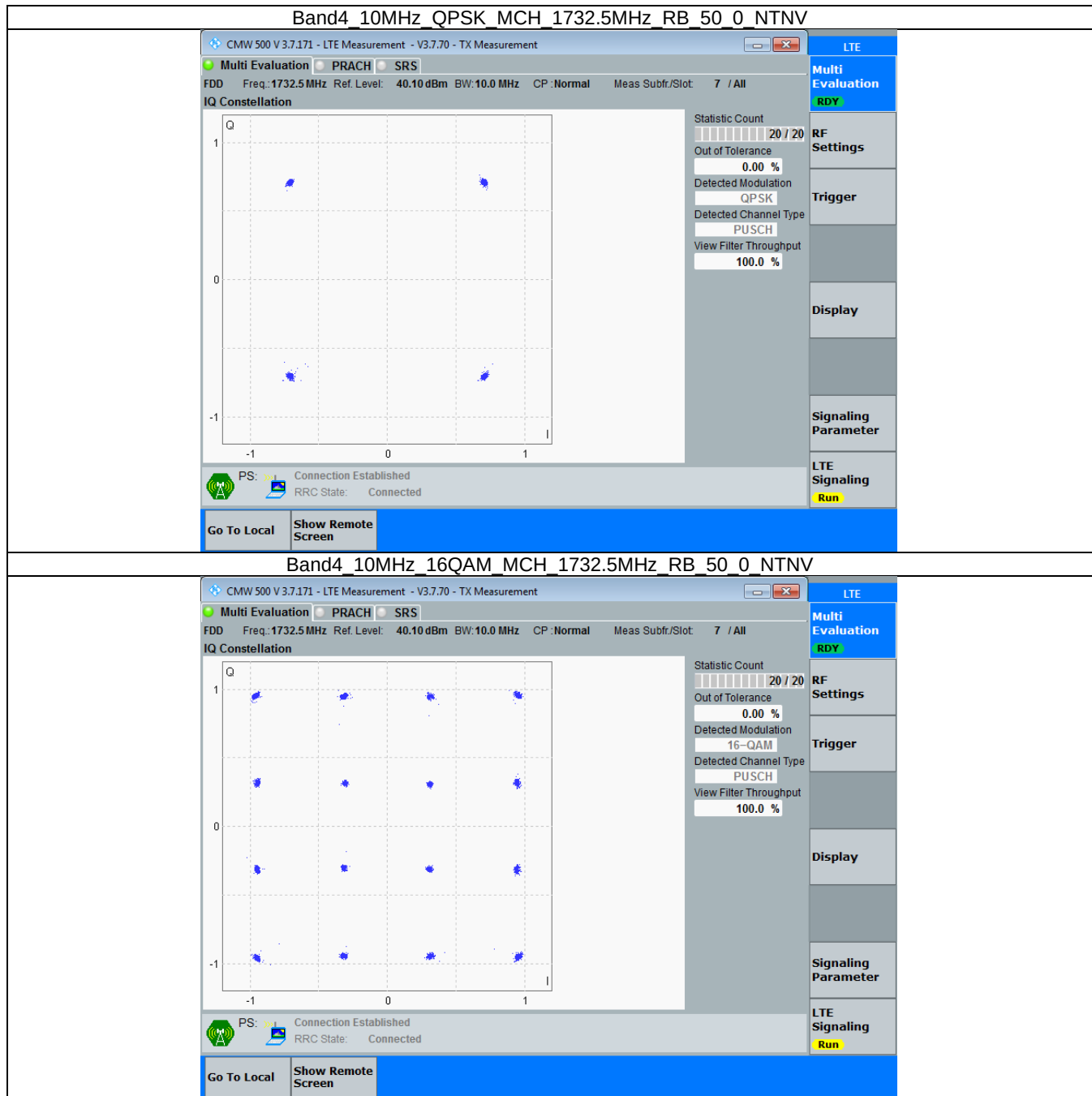
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3.4.2 Test Graph

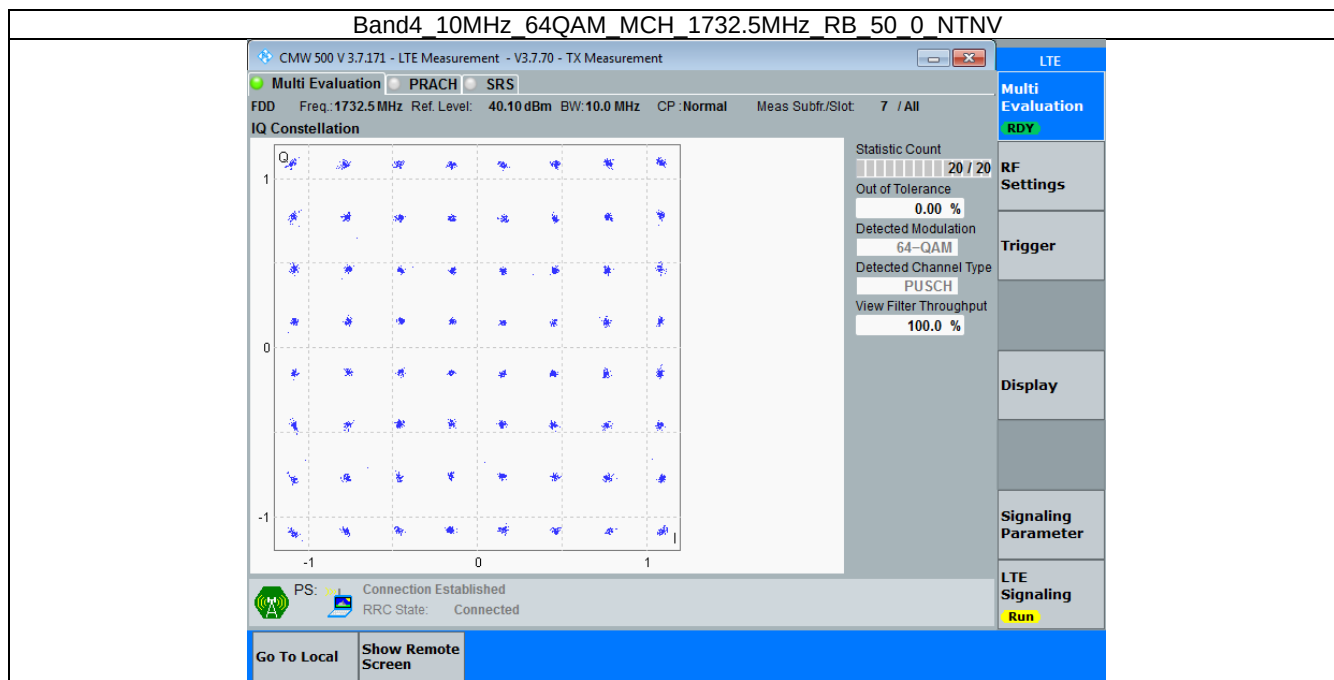


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3.5 B4_15MHz

3.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1732.5	75	0	Refer To Test Graph	Pass
16QAM	1732.5	75	0	Refer To Test Graph	Pass
64QAM	1732.5	75	0	Refer To Test Graph	Pass



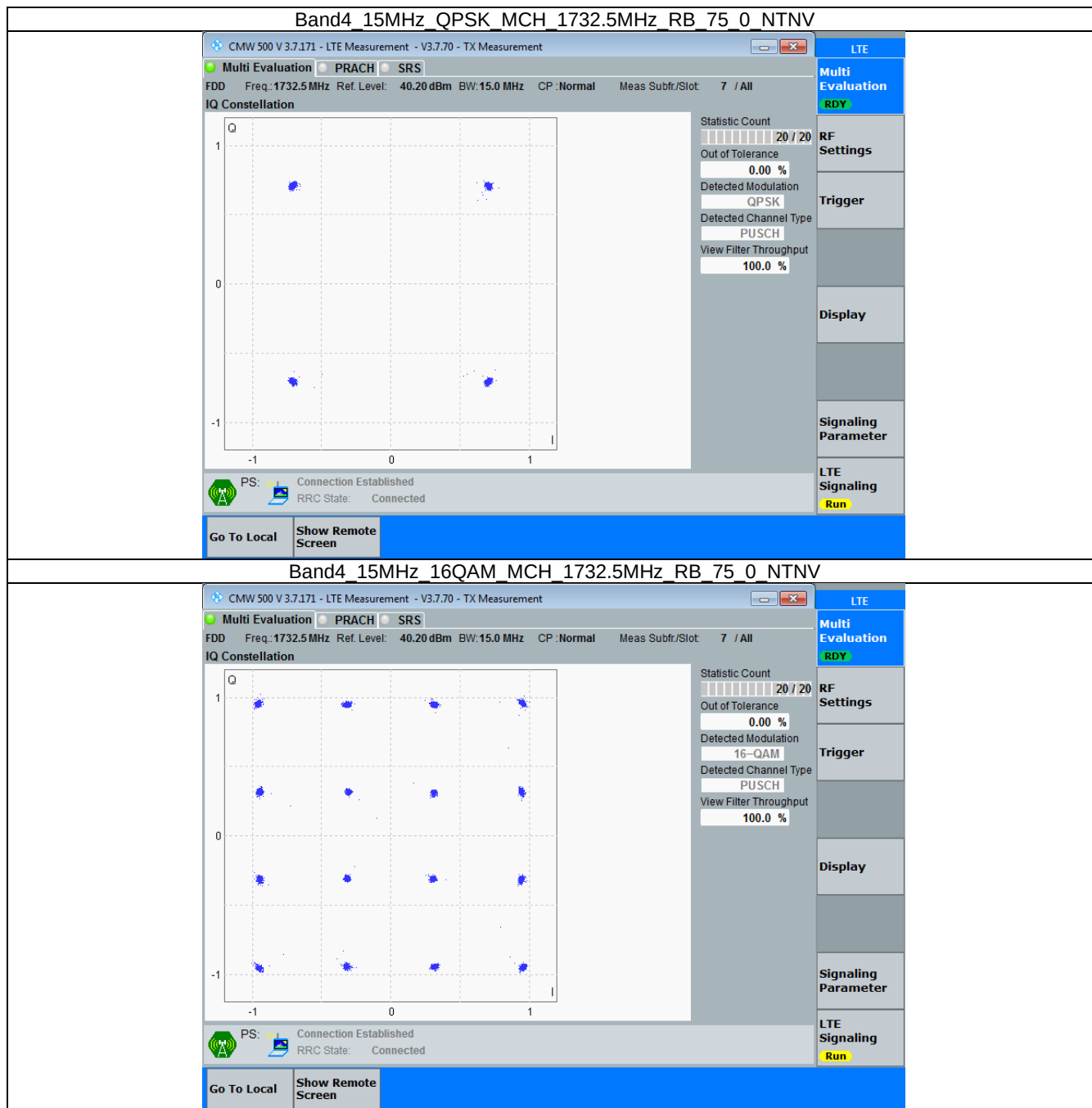
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3.5.2 Test Graph

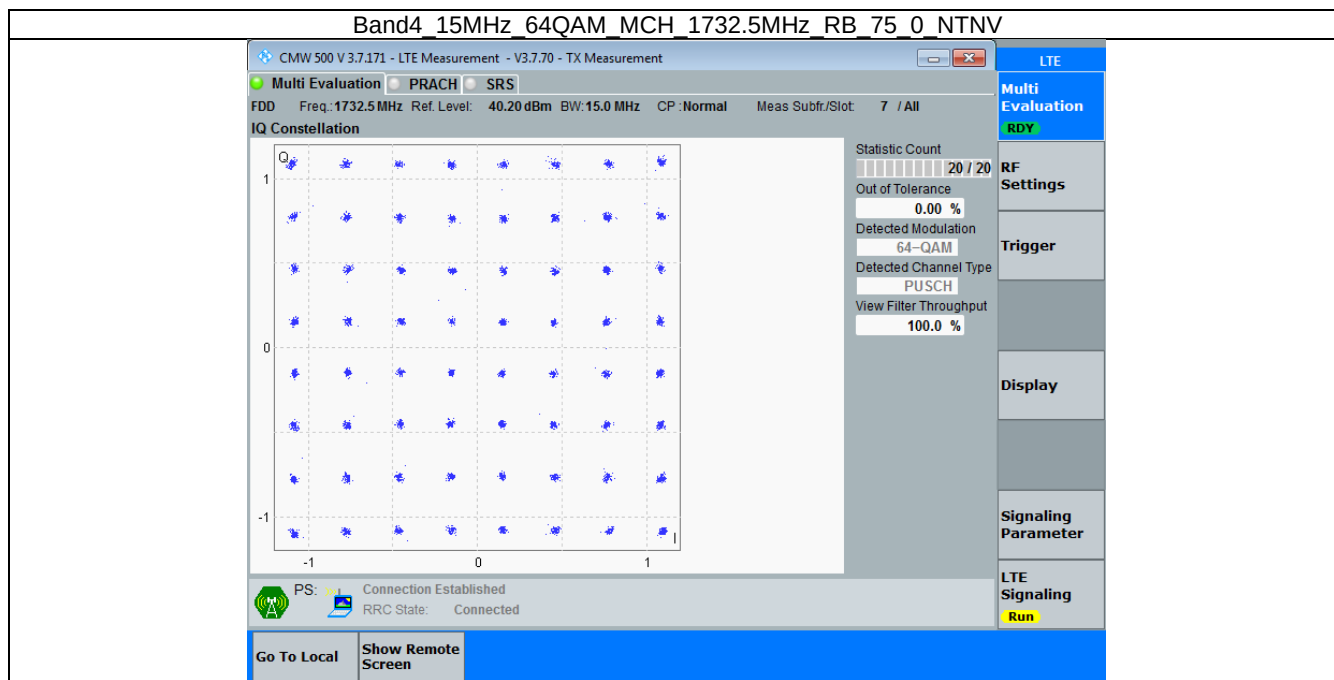


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3.6 B4_20MHz

3.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1732.5	100	0	Refer To Test Graph	Pass
16QAM	1732.5	100	0	Refer To Test Graph	Pass
64QAM	1732.5	100	0	Refer To Test Graph	Pass



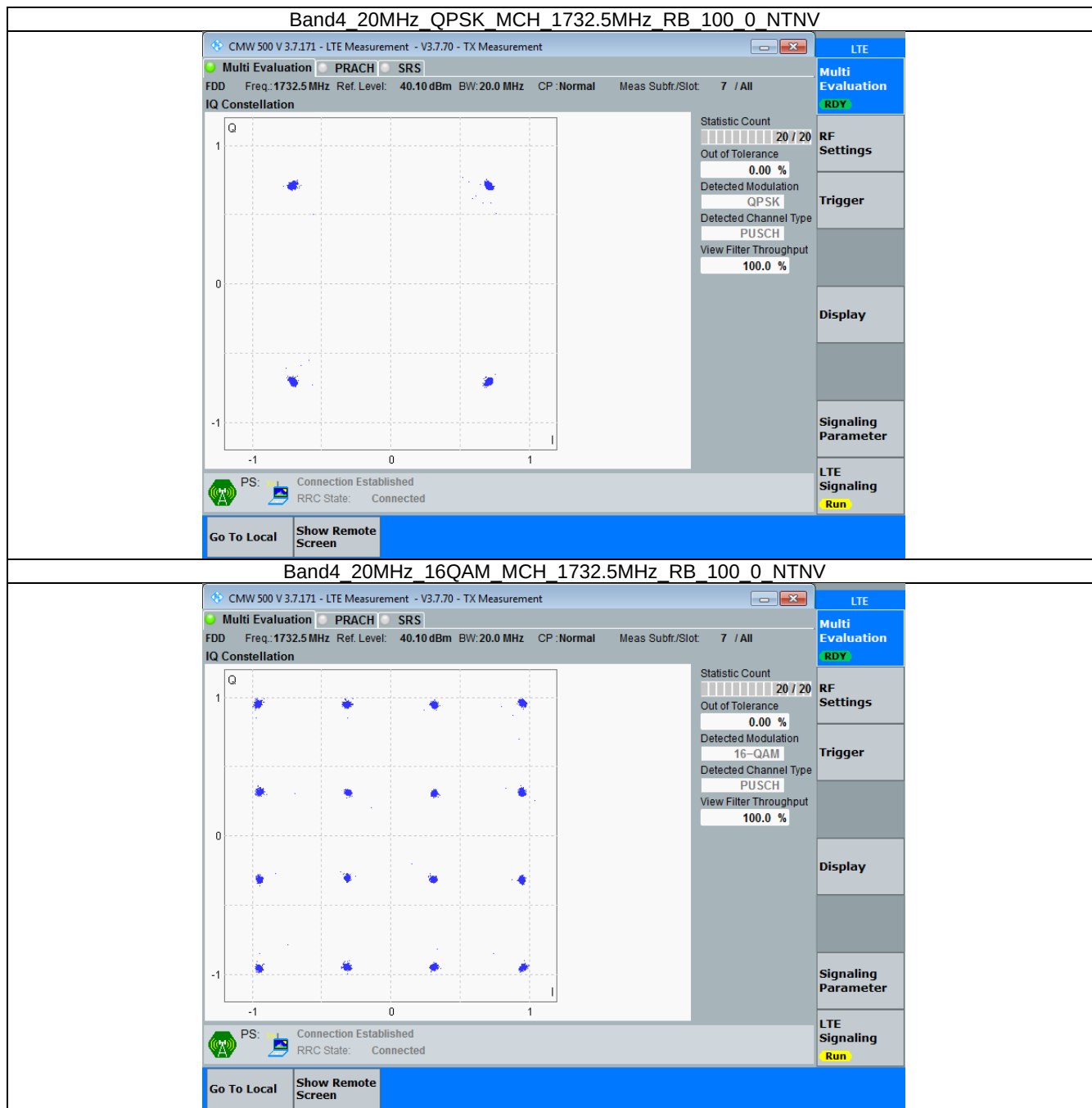
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3.6.2 Test Graph



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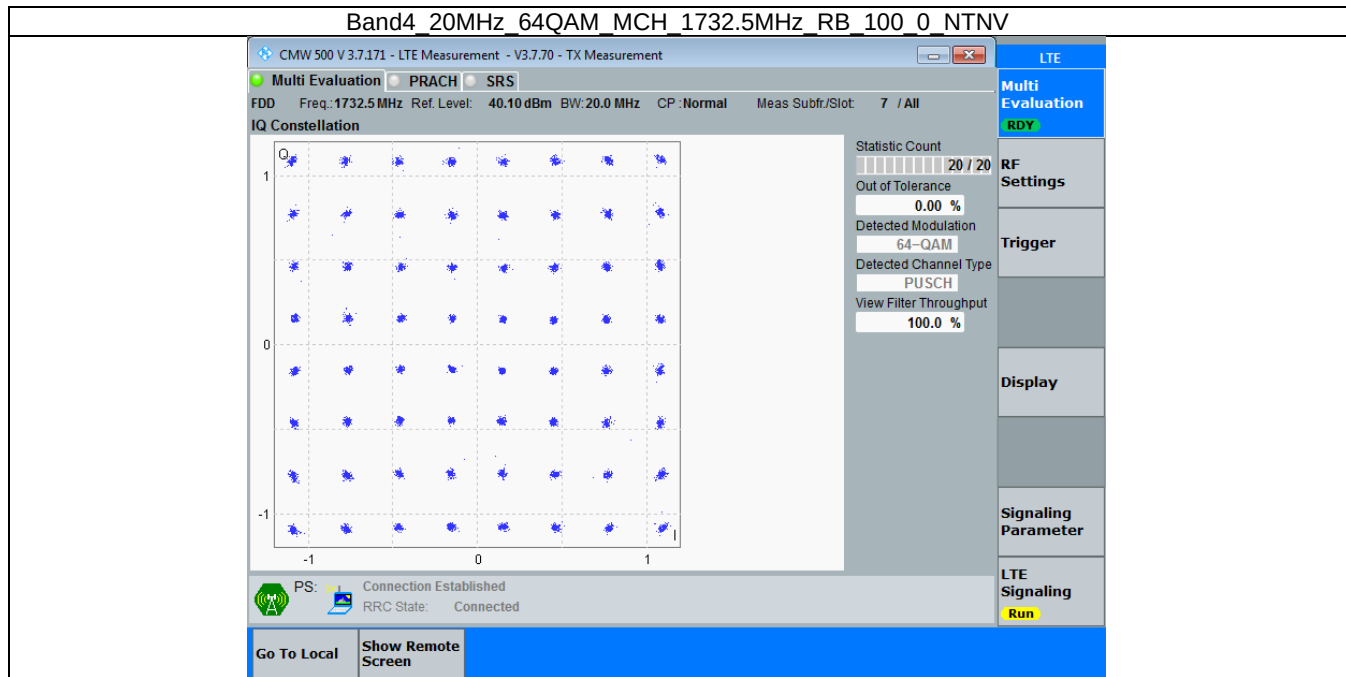
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4. 99% & 26dB Bandwidth

4.1 Band4_OBW

4.1.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.095	Pass
		1732.5	6	0	1.104	Pass
		1754.3	6	0	1.114	Pass
	16QAM	1710.7	6	0	1.105	Pass
		1732.5	6	0	1.097	Pass
		1754.3	6	0	1.107	Pass
	64QAM	1710.7	6	0	1.097	Pass
		1732.5	6	0	1.106	Pass
		1754.3	6	0	1.101	Pass
3	QPSK	1711.5	15	0	2.721	Pass
		1732.5	15	0	2.703	Pass
		1753.5	15	0	2.718	Pass
	16QAM	1711.5	15	0	2.711	Pass
		1732.5	15	0	2.704	Pass
		1753.5	15	0	2.709	Pass
	64QAM	1711.5	15	0	2.708	Pass
		1732.5	15	0	2.709	Pass
		1753.5	15	0	2.713	Pass
5	QPSK	1712.5	25	0	4.548	Pass
		1732.5	25	0	4.526	Pass
		1752.5	25	0	4.528	Pass
	16QAM	1712.5	25	0	4.520	Pass
		1732.5	25	0	4.543	Pass
		1752.5	25	0	4.528	Pass
	64QAM	1712.5	25	0	4.524	Pass
		1732.5	25	0	4.532	Pass
		1752.5	25	0	4.542	Pass
10	QPSK	1715	50	0	9.071	Pass
		1732.5	50	0	9.016	Pass
		1750	50	0	9.062	Pass
	16QAM	1715	50	0	9.045	Pass
		1732.5	50	0	9.026	Pass
		1750	50	0	9.055	Pass
	64QAM	1715	50	0	9.050	Pass
		1732.5	50	0	9.029	Pass
		1750	50	0	9.049	Pass
15	QPSK	1717.5	75	0	13.618	Pass
		1732.5	75	0	13.513	Pass
		1747.5	75	0	13.573	Pass
	16QAM	1717.5	75	0	13.625	Pass
		1732.5	75	0	13.511	Pass
		1747.5	75	0	13.591	Pass
	64QAM	1717.5	75	0	13.587	Pass
		1732.5	75	0	13.581	Pass



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		1747.5	75	0	13.648	Pass
20	QPSK	1720	100	0	18.167	Pass
		1732.5	100	0	18.057	Pass
		1745	100	0	18.108	Pass
		1720	100	0	18.179	Pass
	16QAM	1732.5	100	0	18.031	Pass
		1745	100	0	18.128	Pass
		1720	100	0	18.165	Pass
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		1745	100	0	18.168	Pass



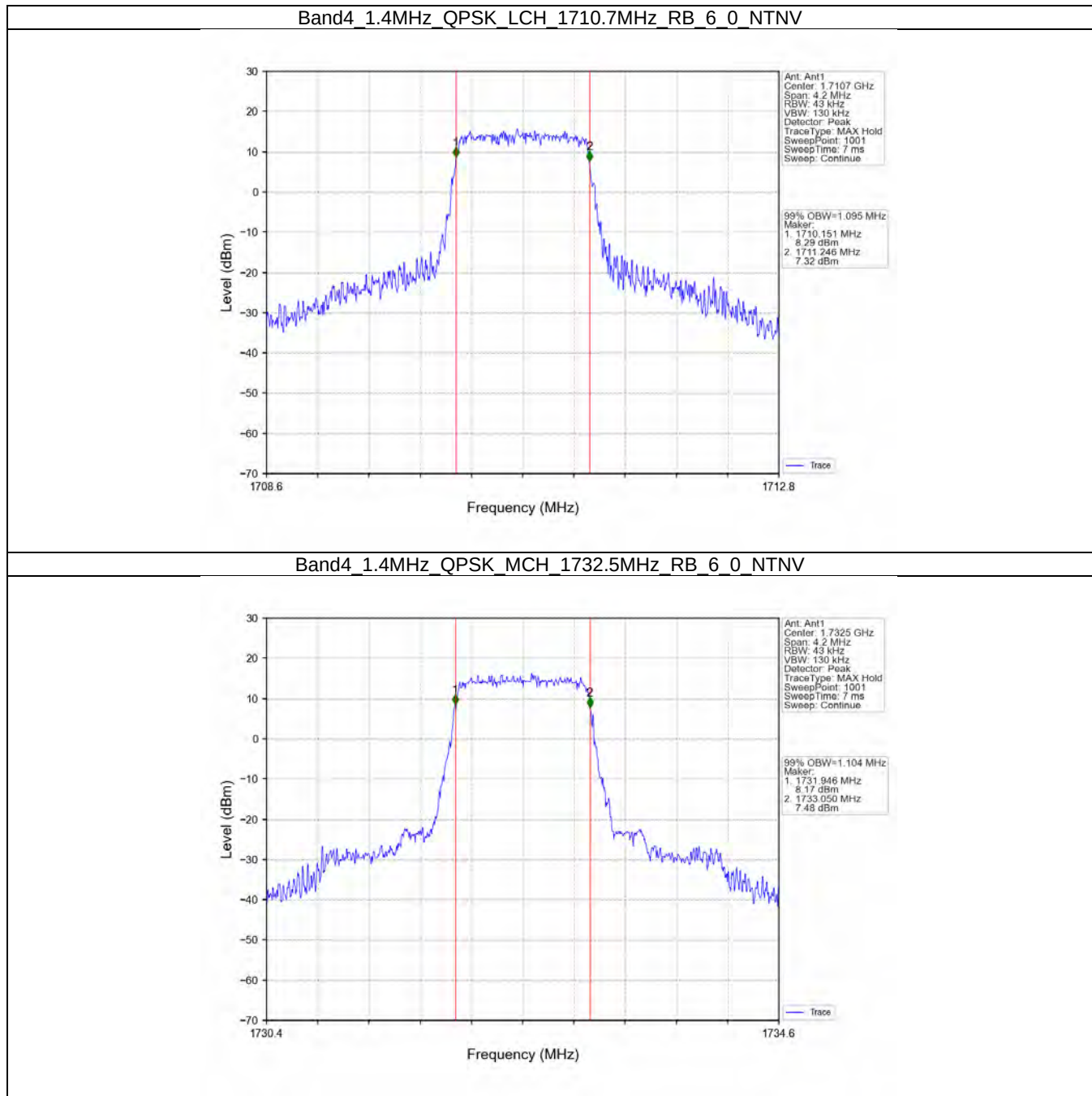
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4.1.2 Test Graph



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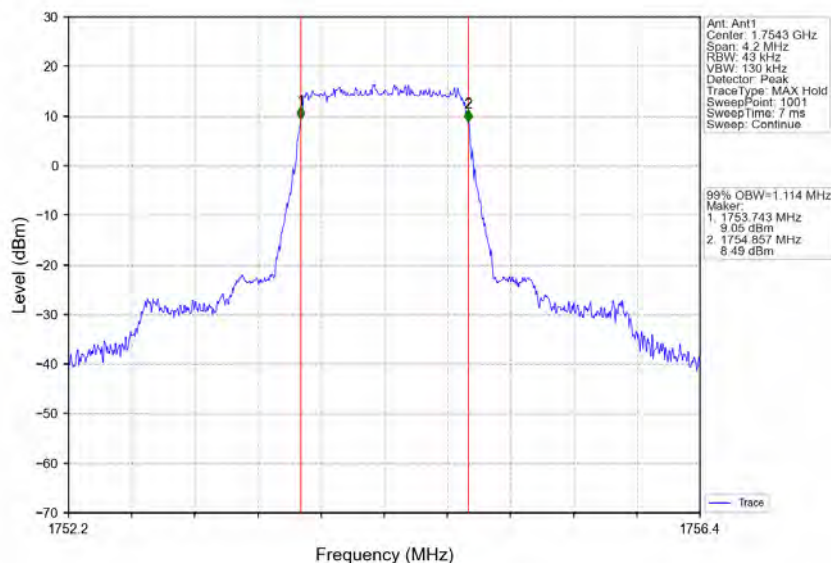
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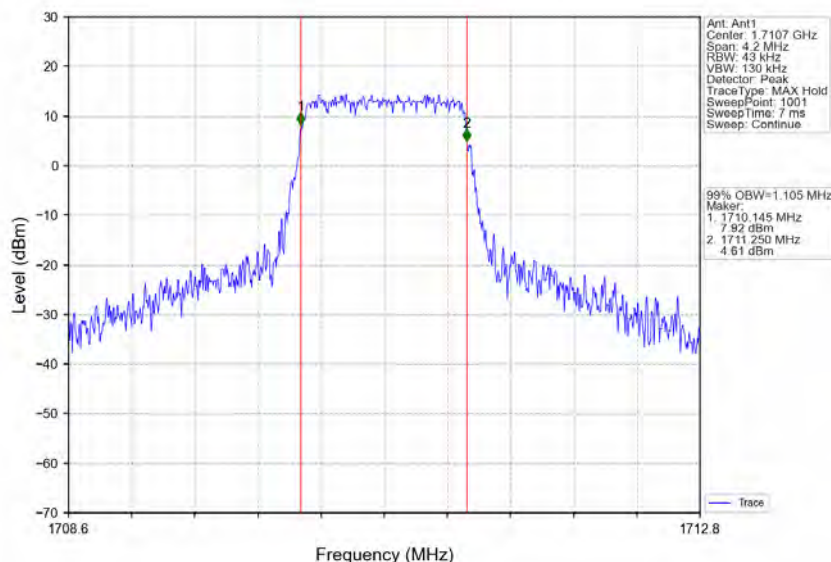
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Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



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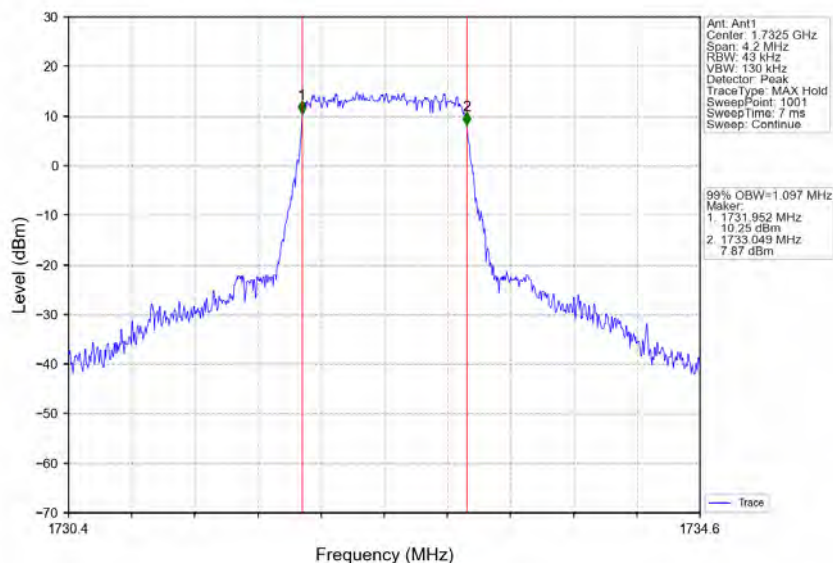
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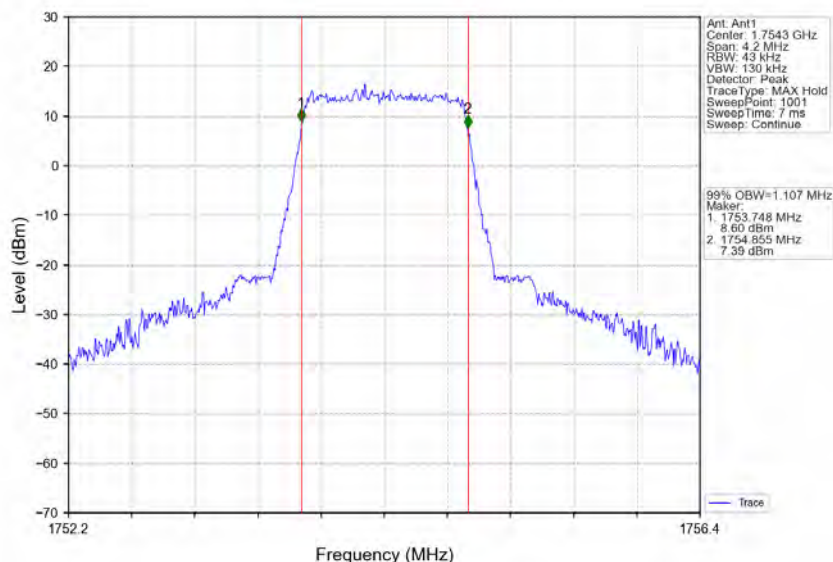
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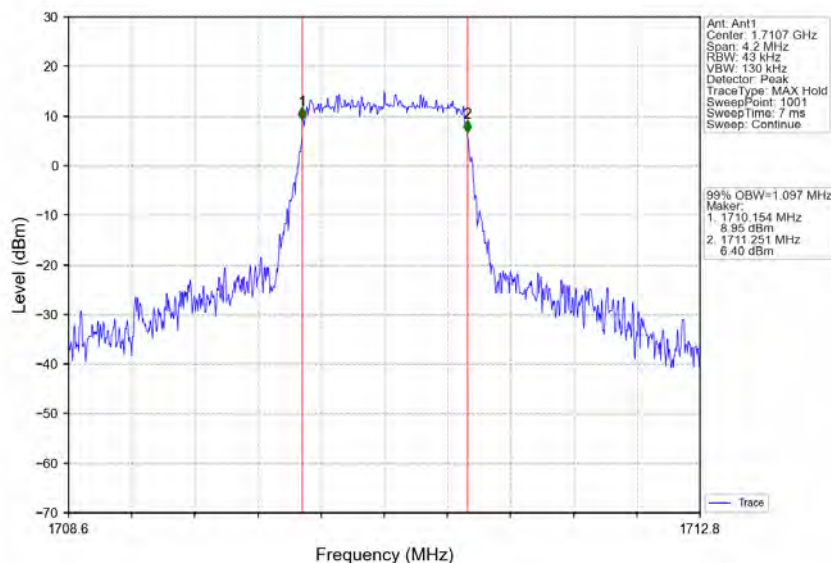
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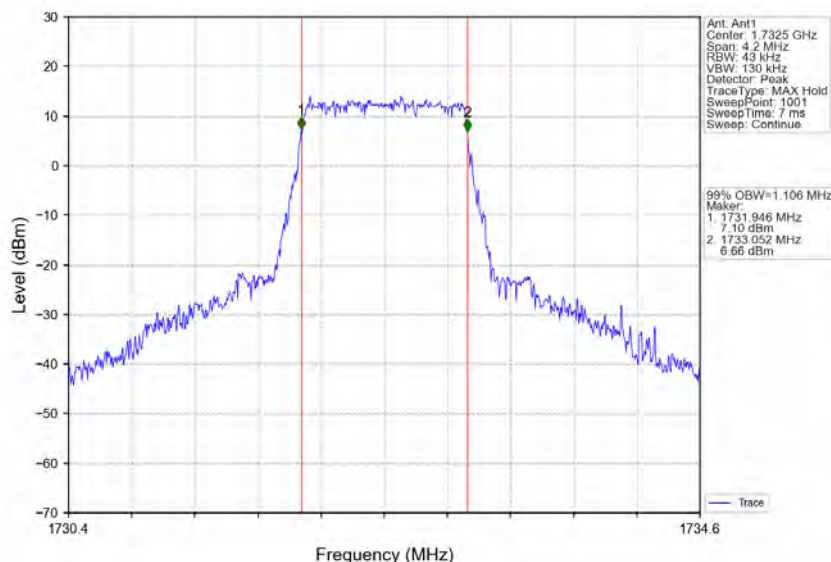
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Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_6_0_NTNV



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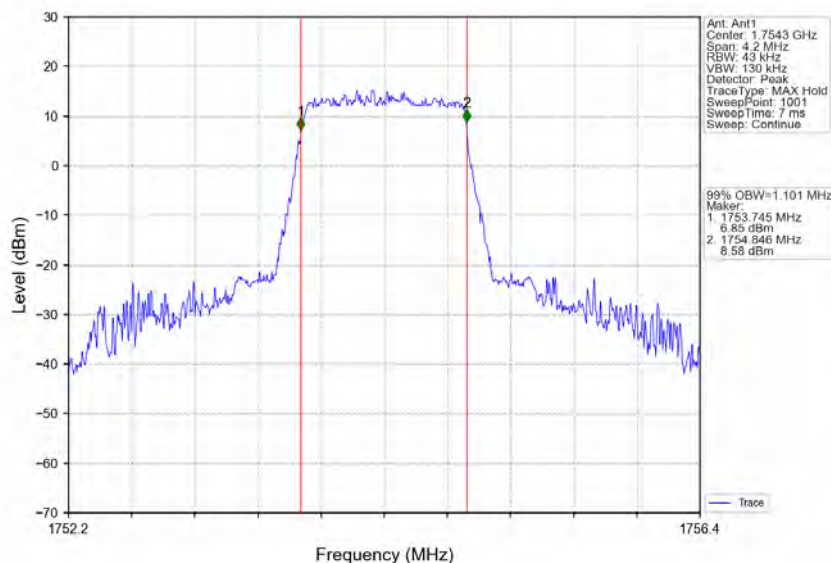
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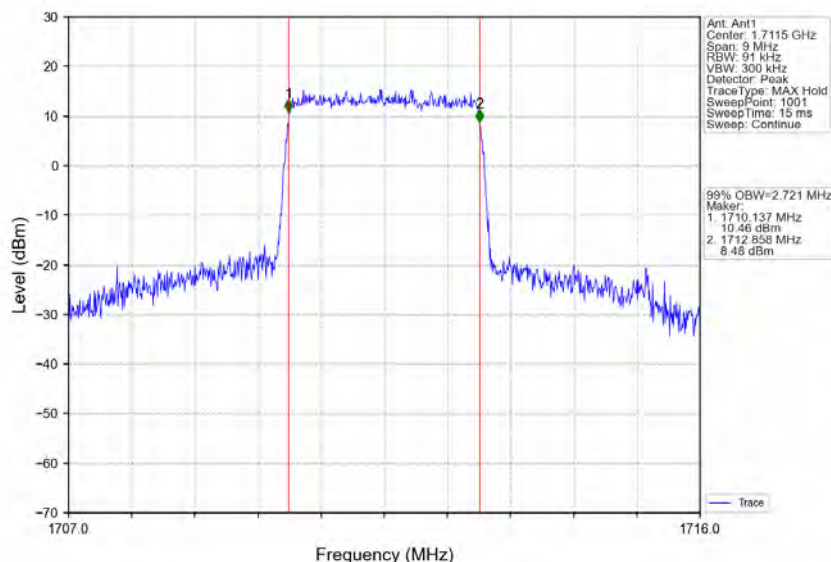
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Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



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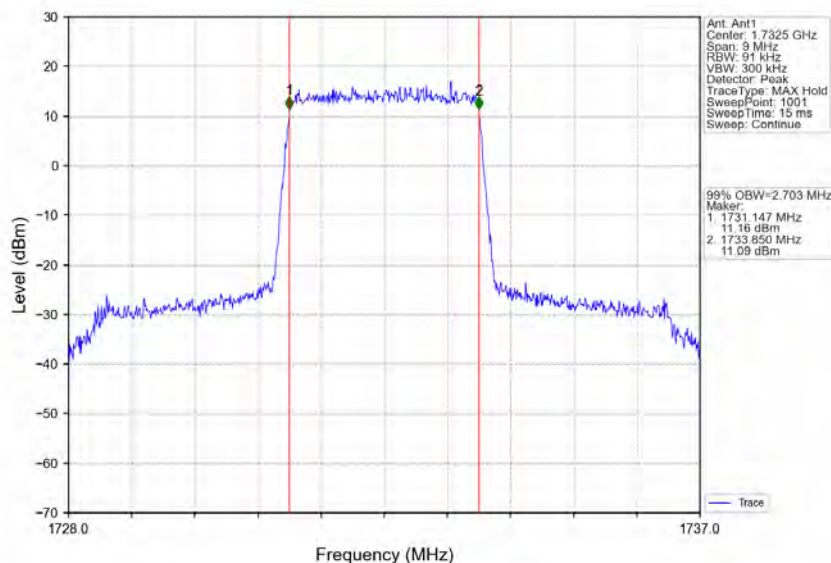
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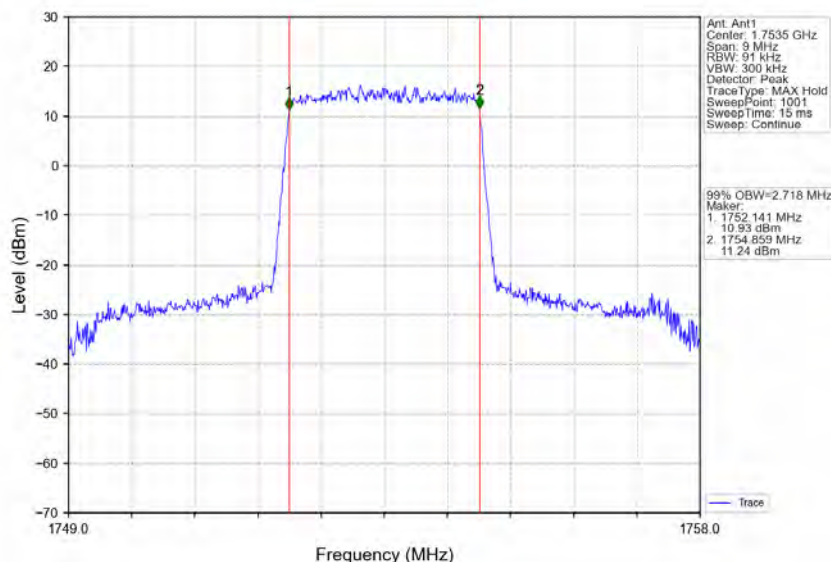
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Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



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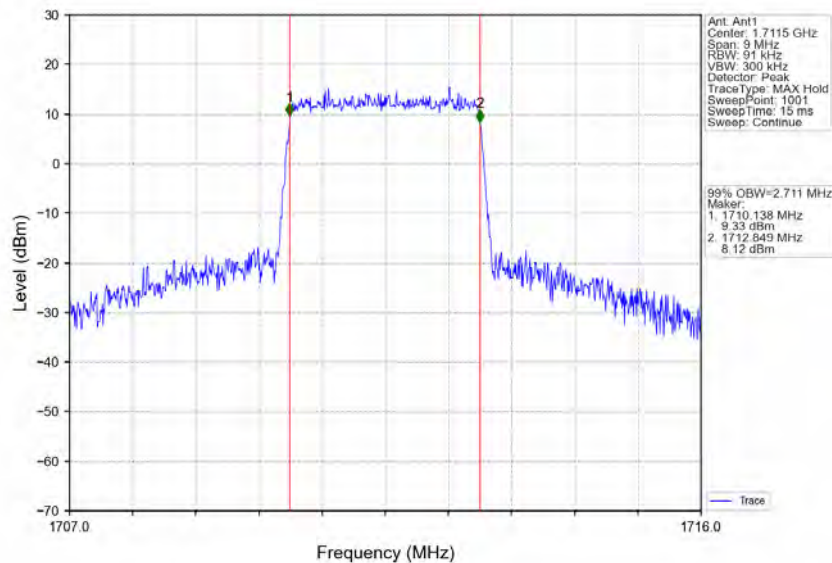
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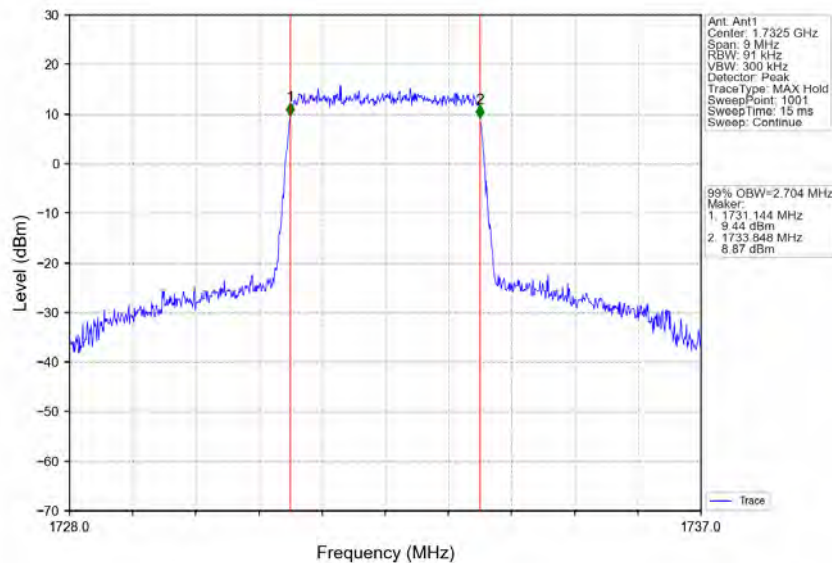
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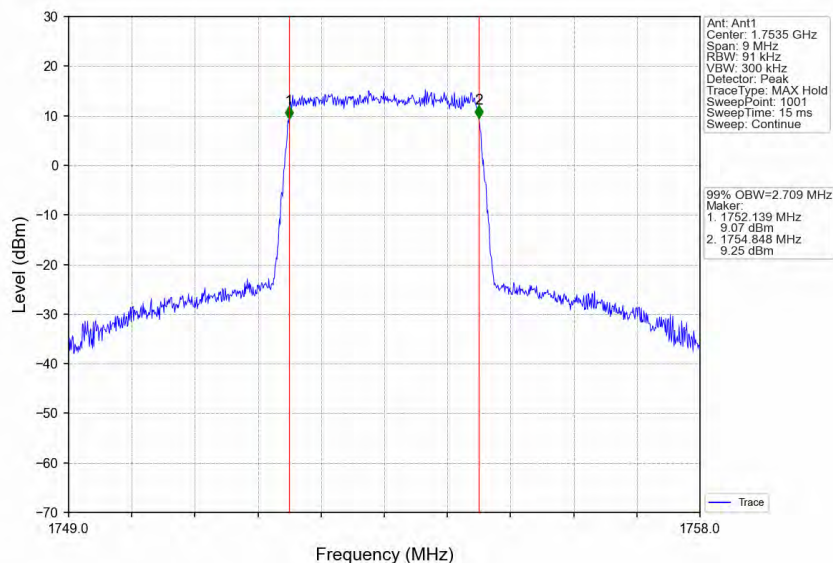
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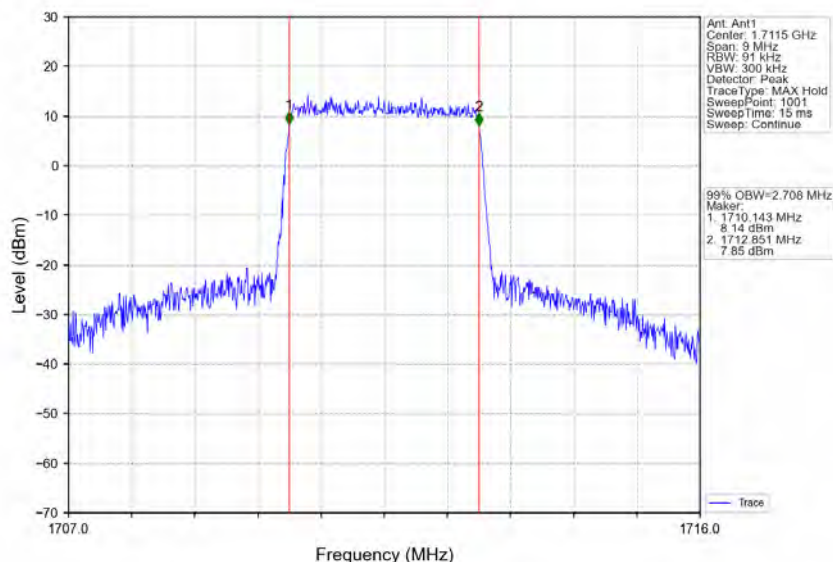
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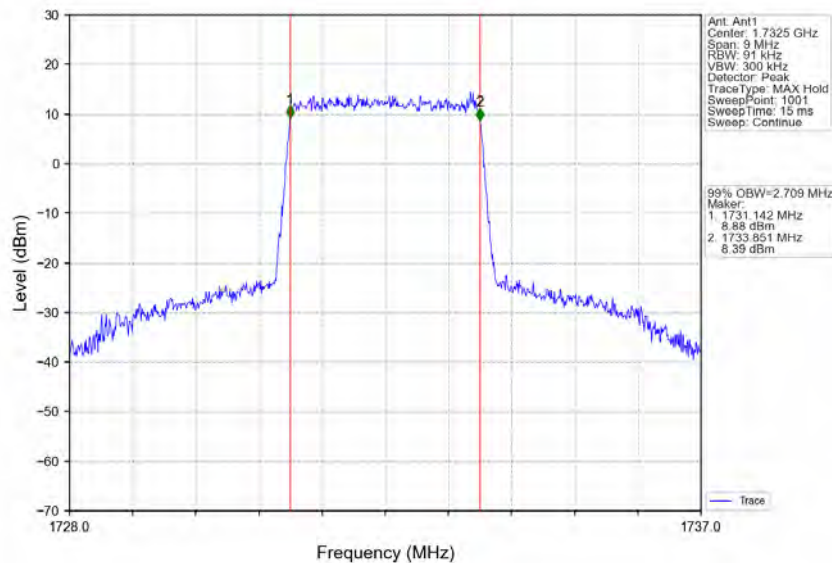
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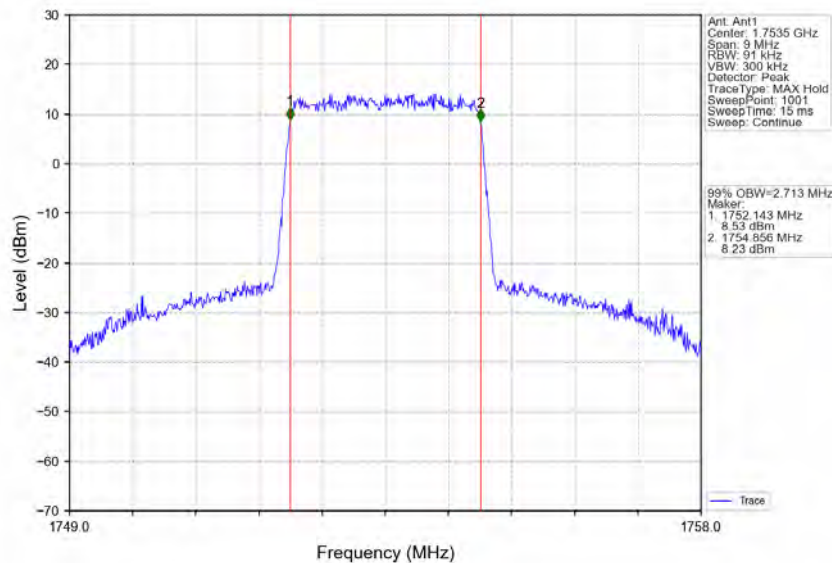
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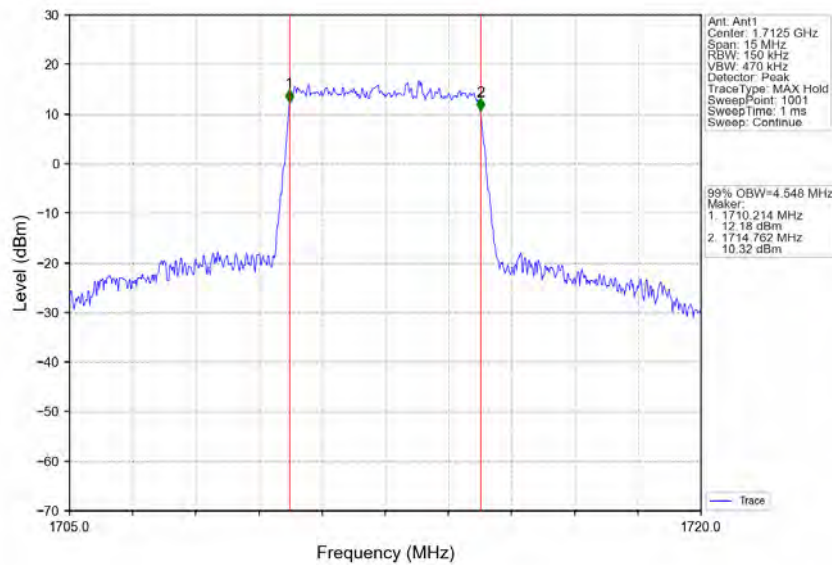
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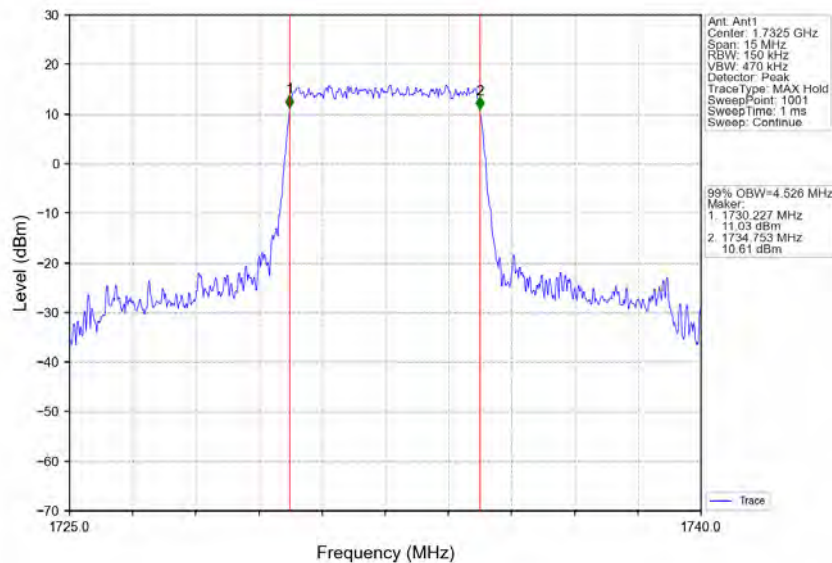
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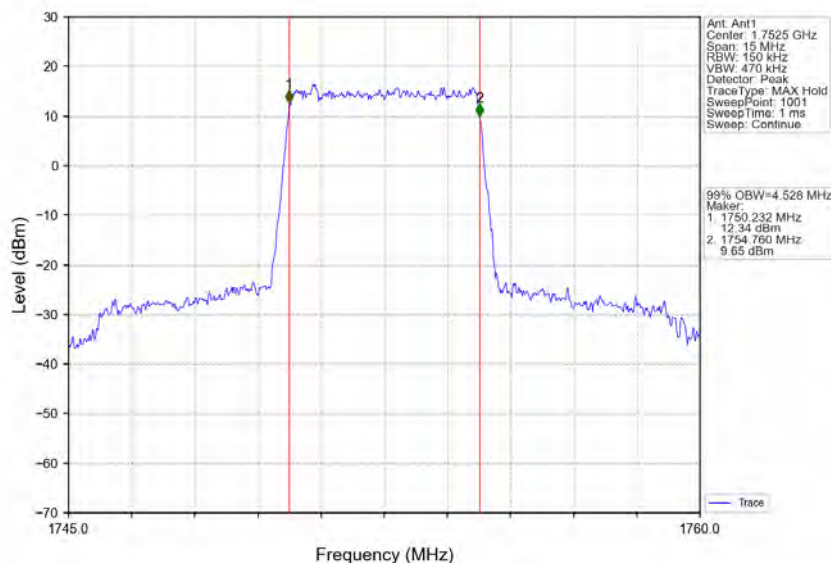
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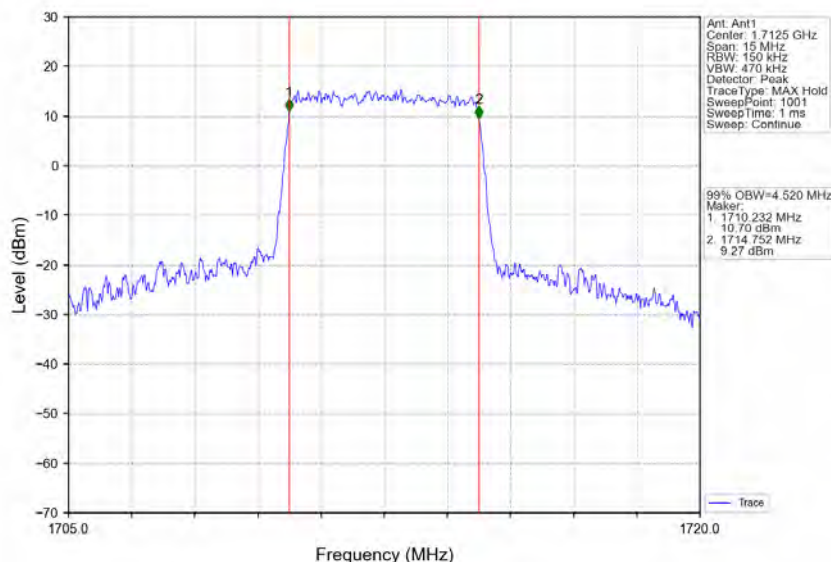
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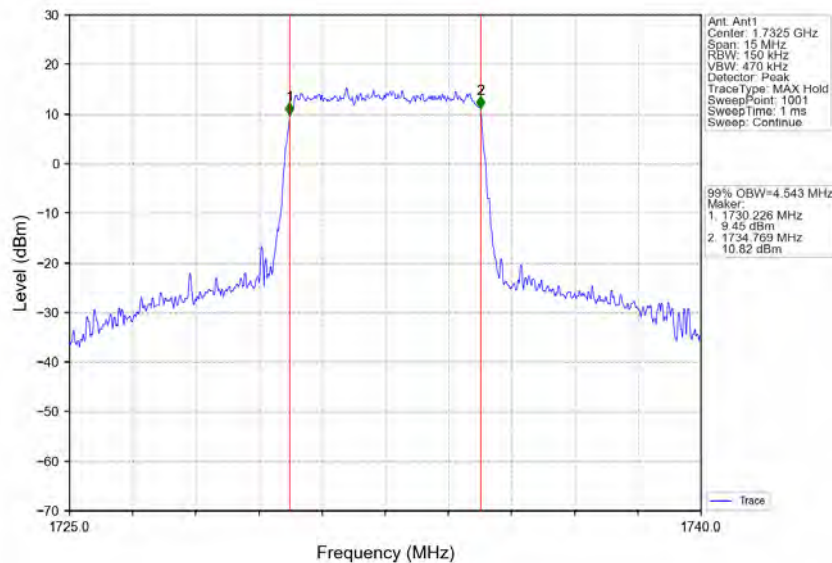
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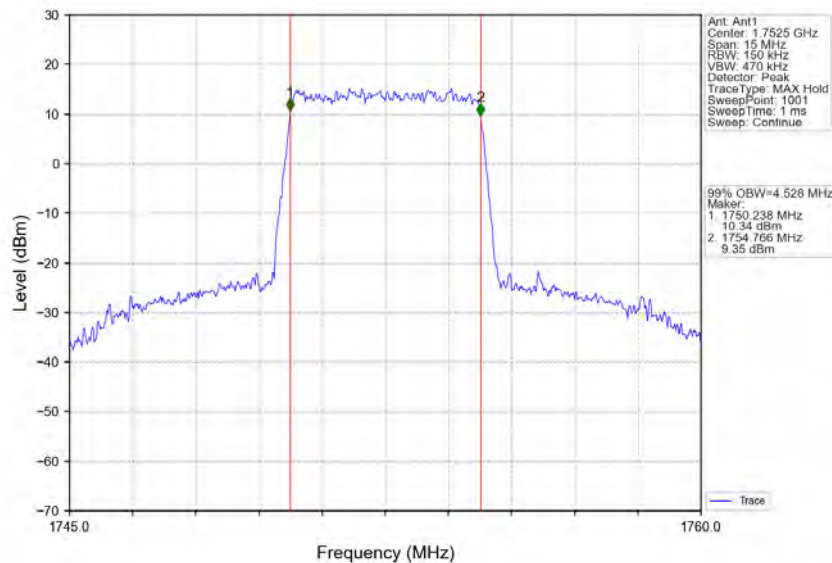
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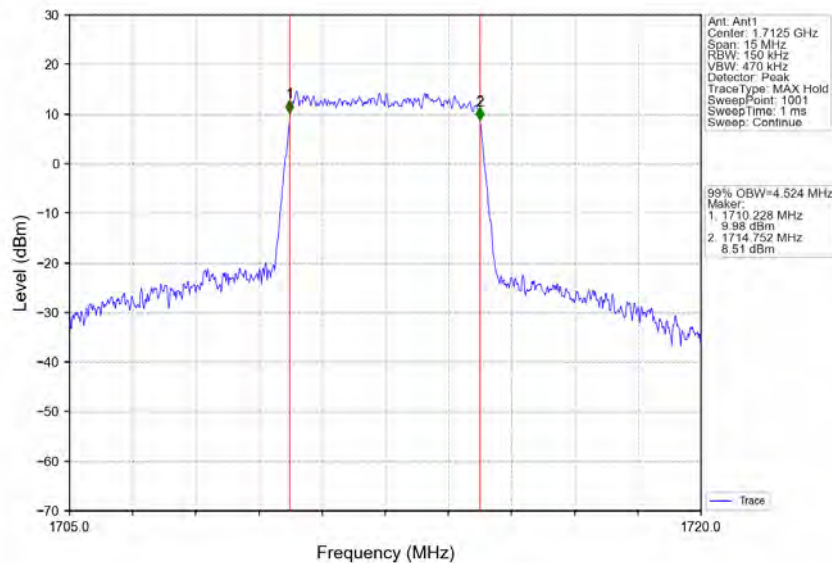
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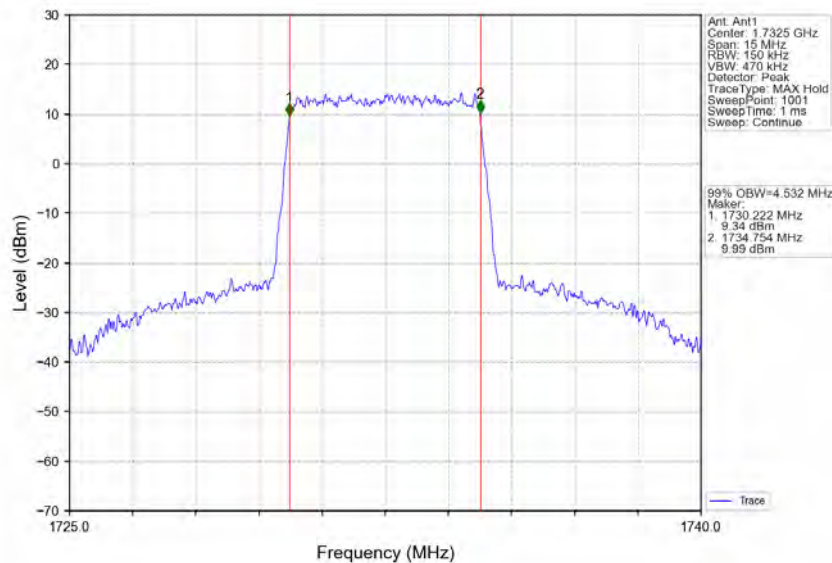
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Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV



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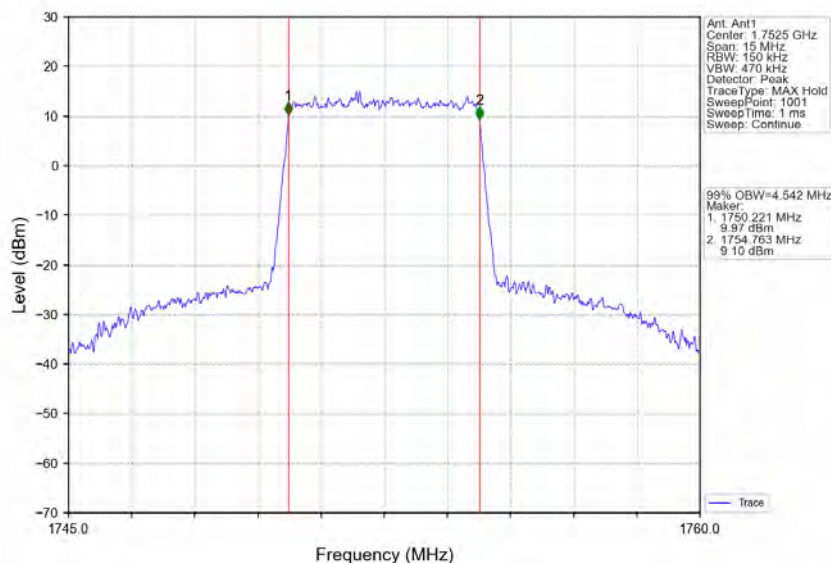
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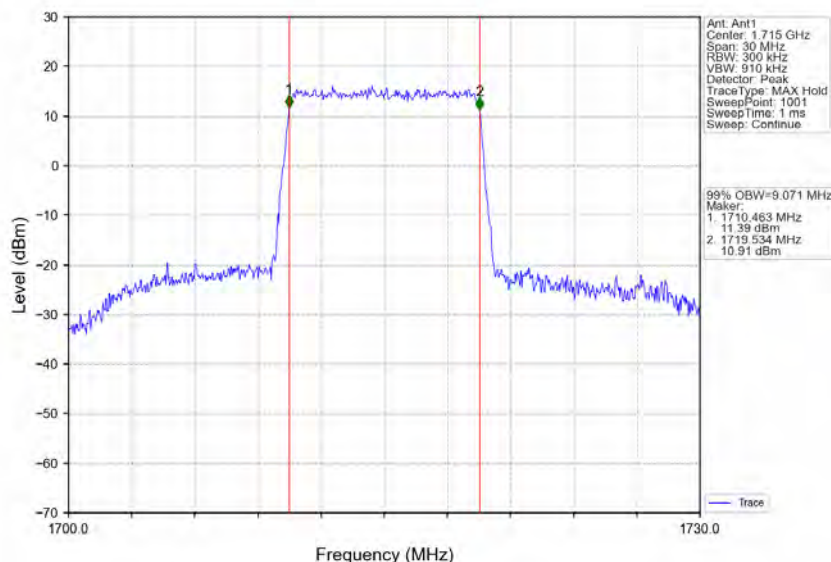
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Band4_5MHz_64QAM_HCH_1752.5MHz_RB_25_0_NTNV



Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



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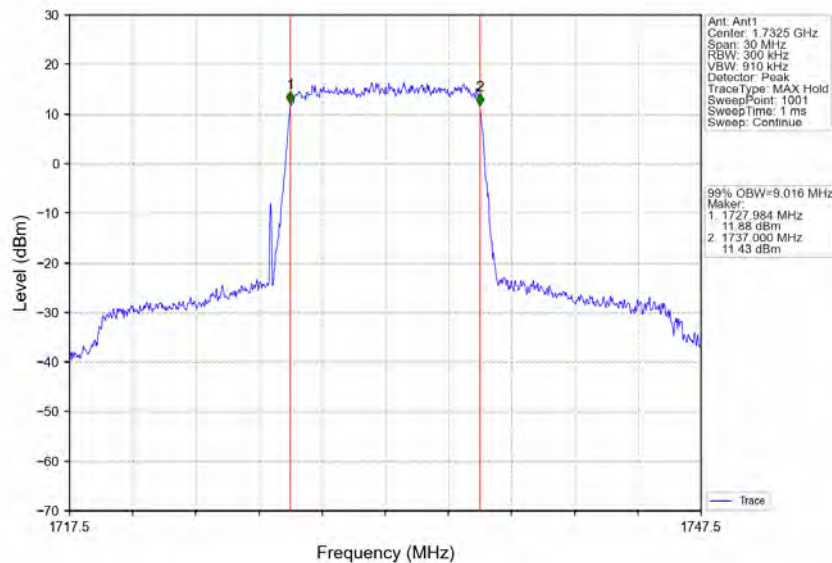
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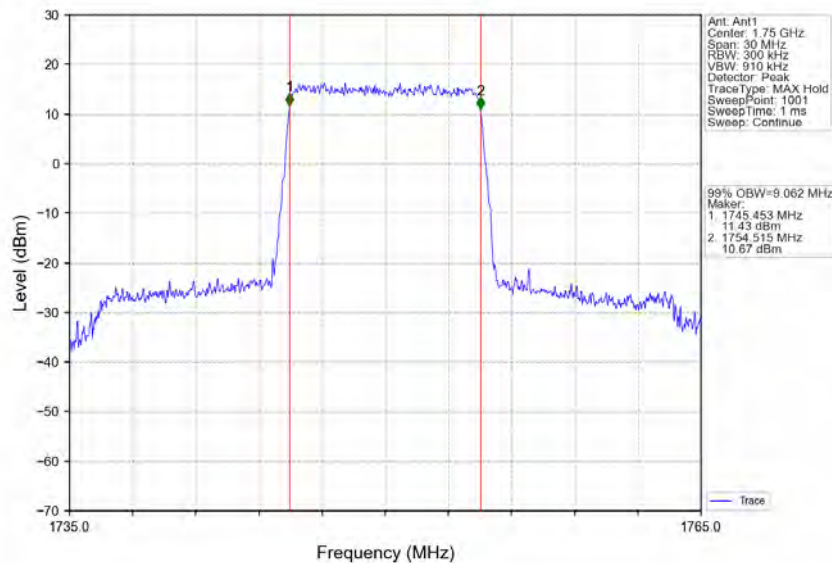
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Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



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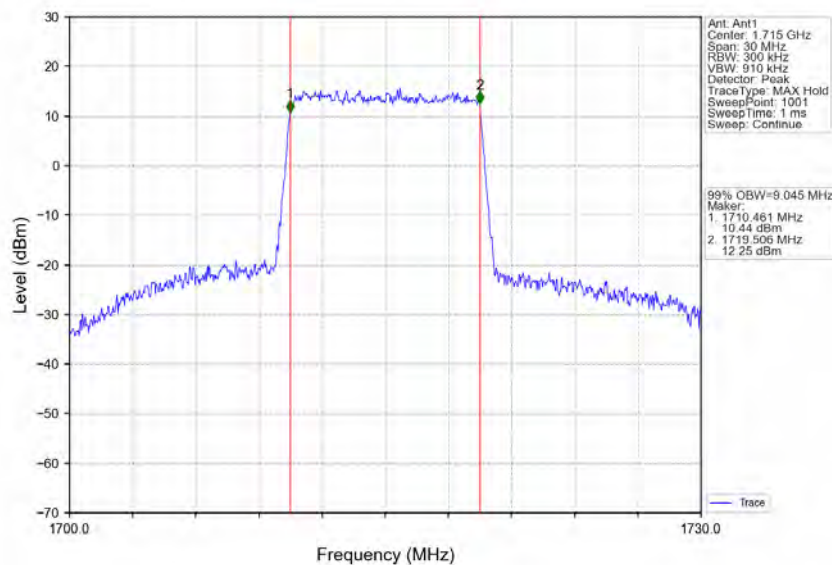
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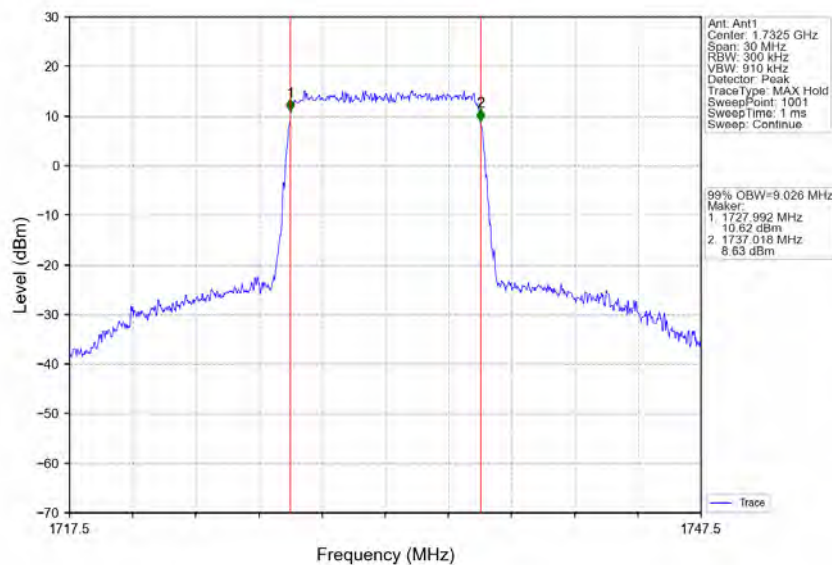
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Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



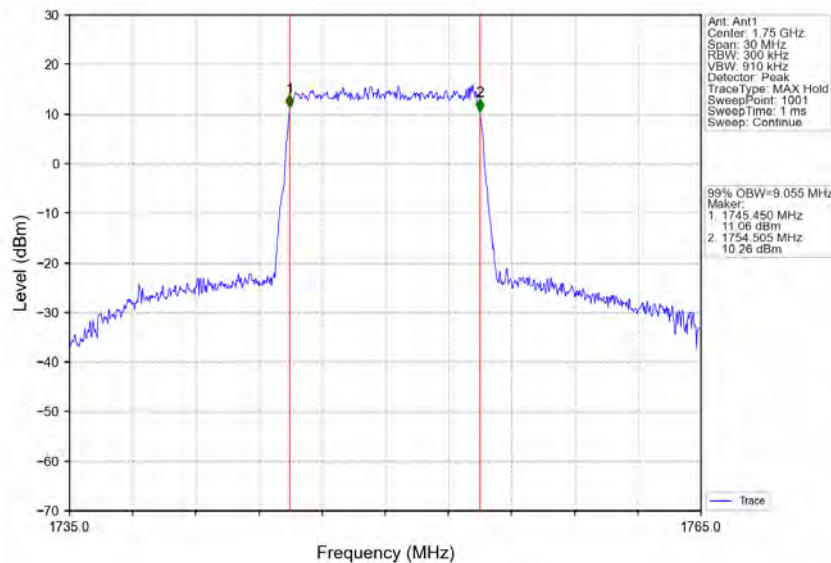
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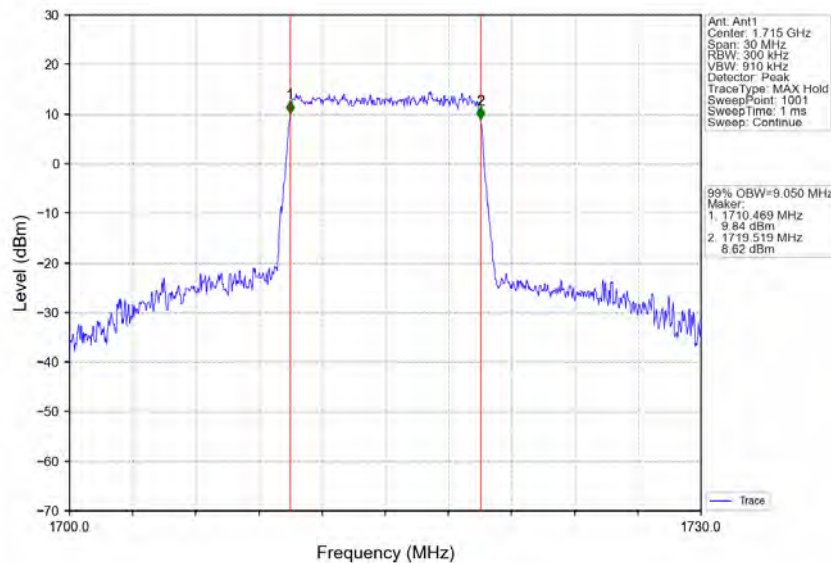
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Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



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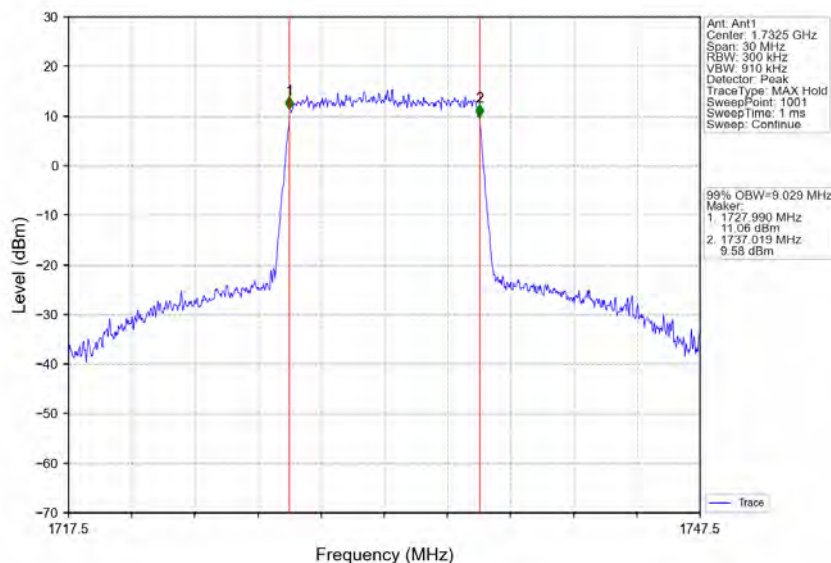
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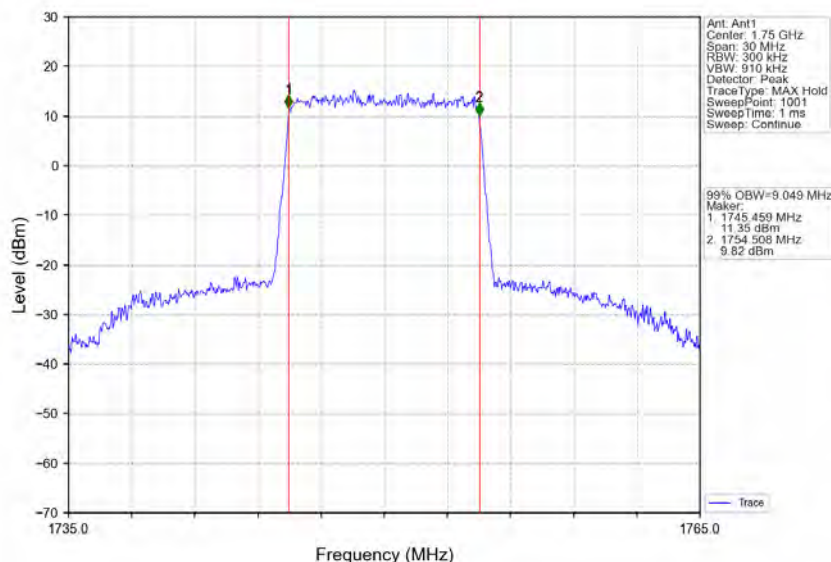
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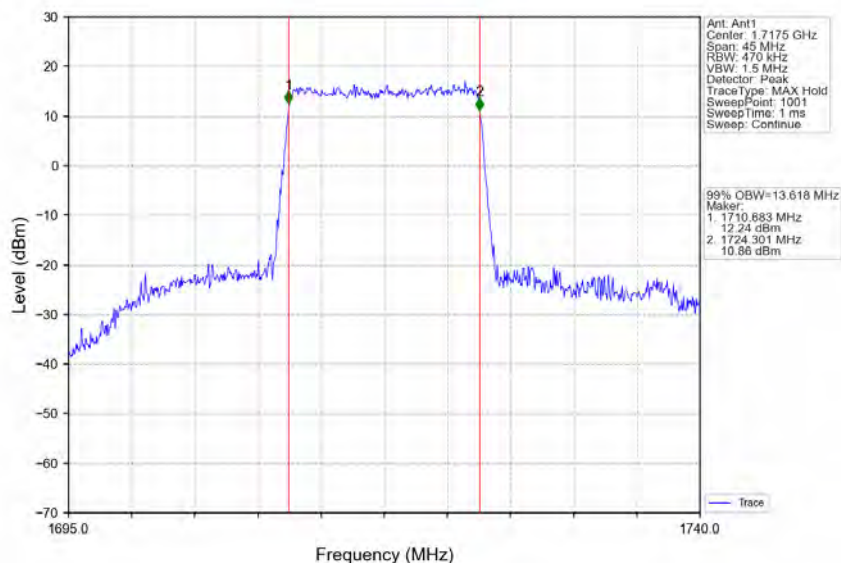
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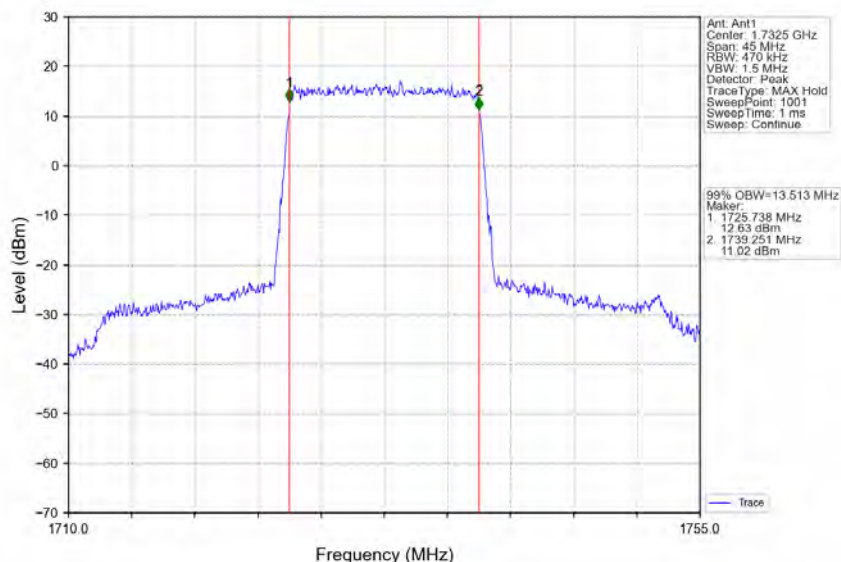
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Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



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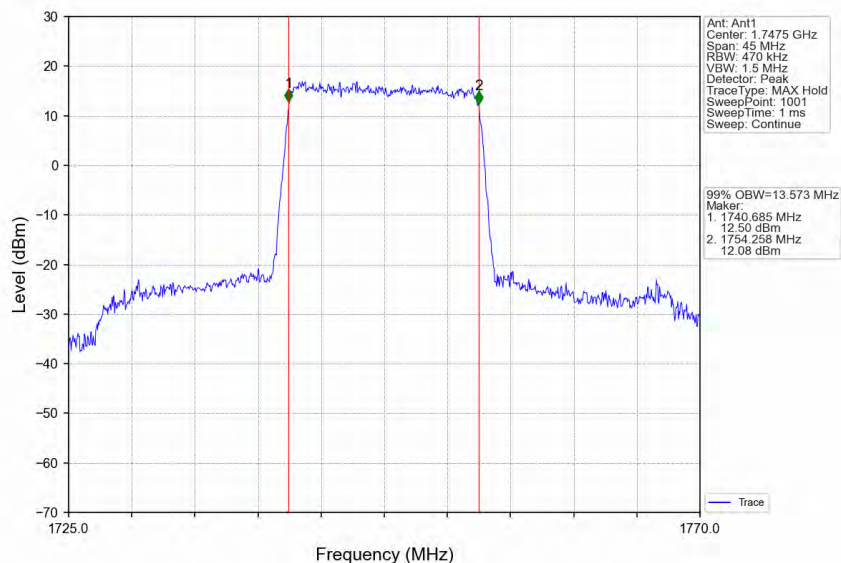
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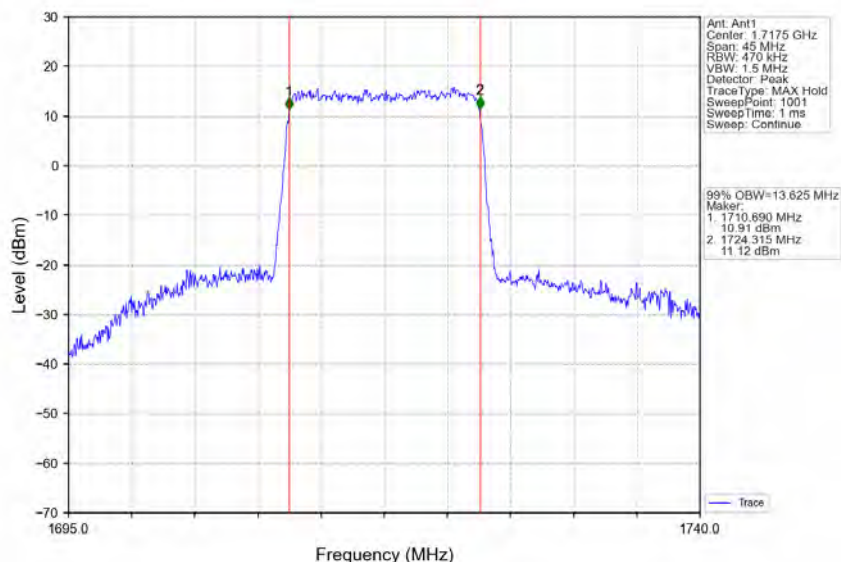
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Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



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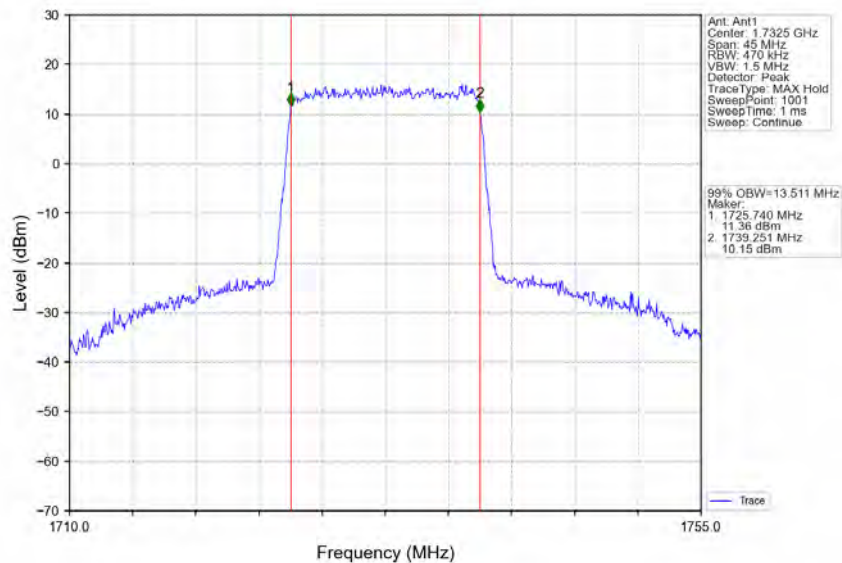
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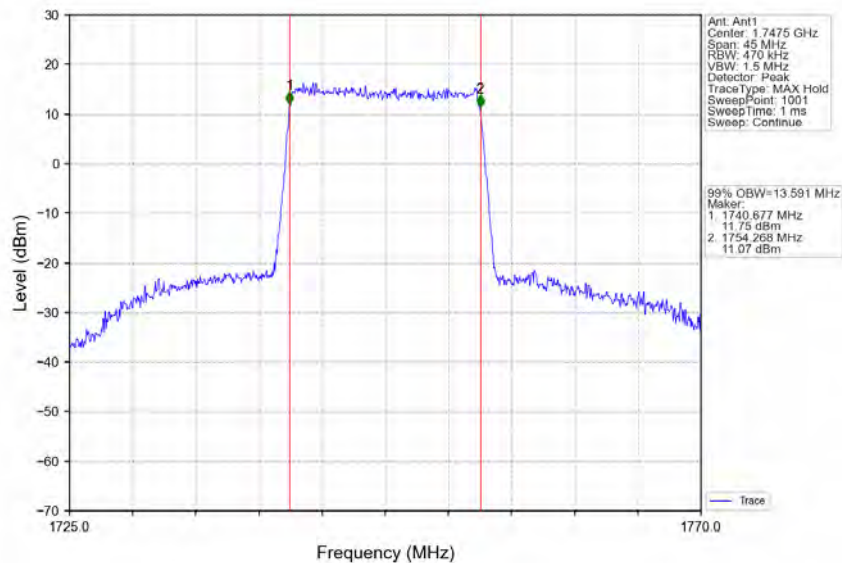
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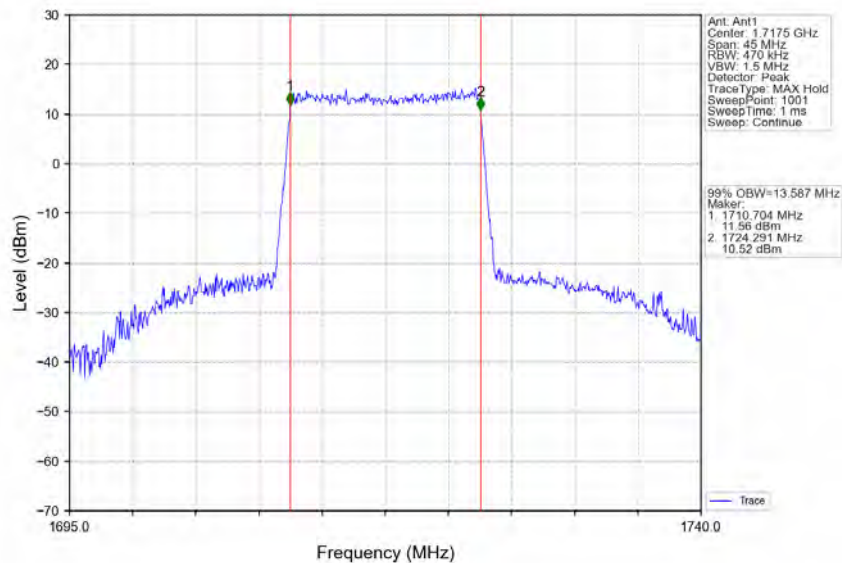
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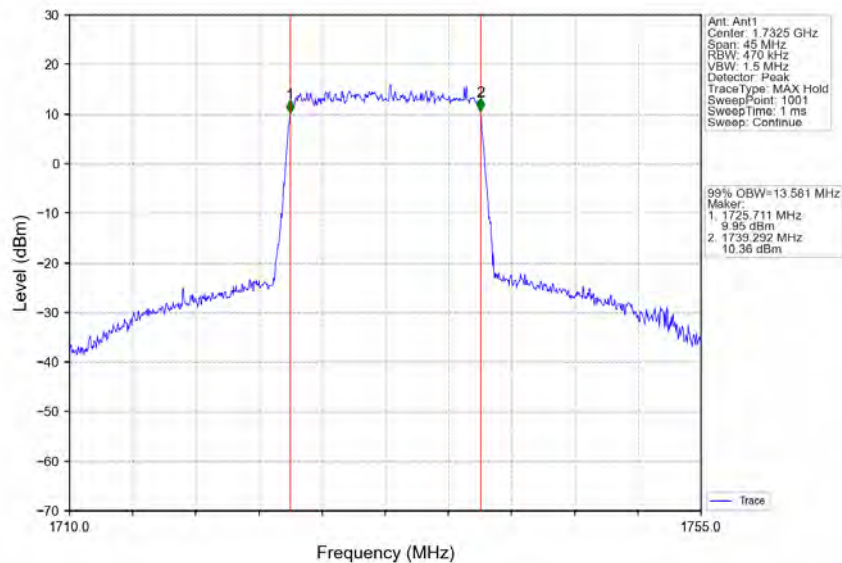
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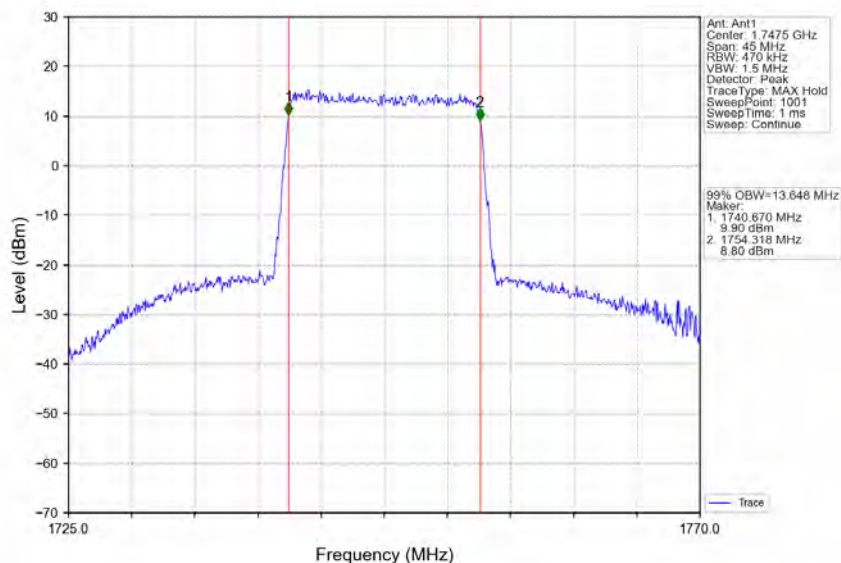
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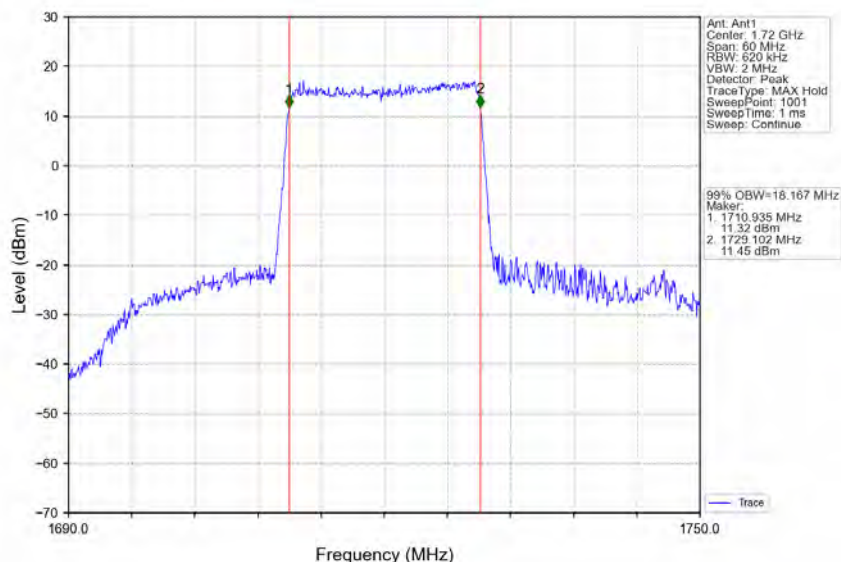
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Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



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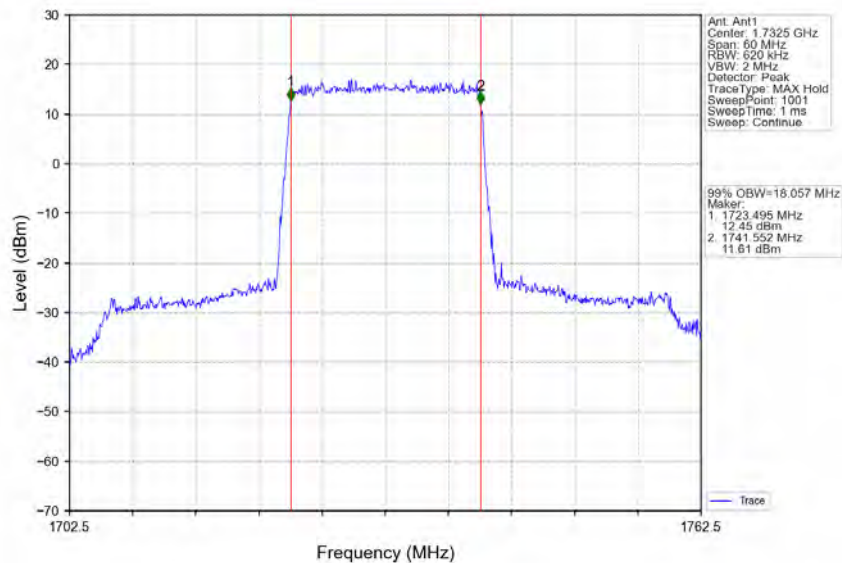
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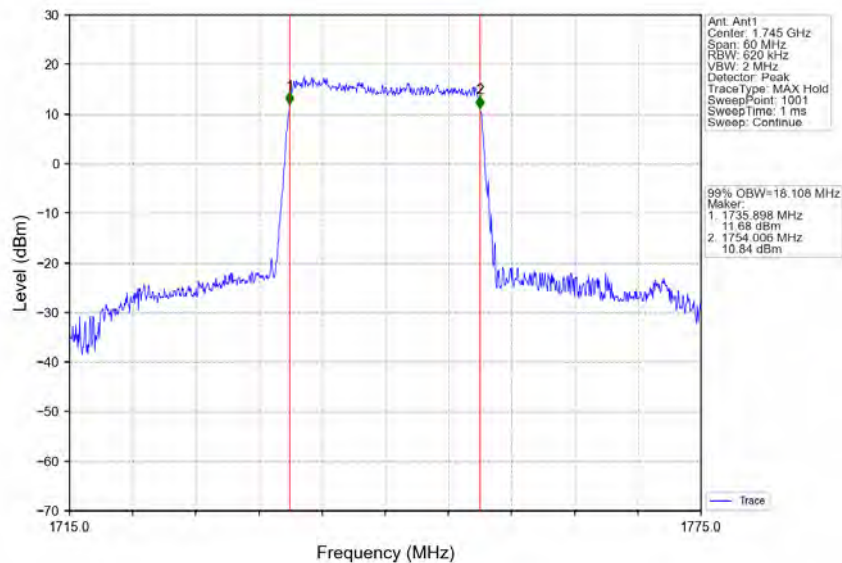
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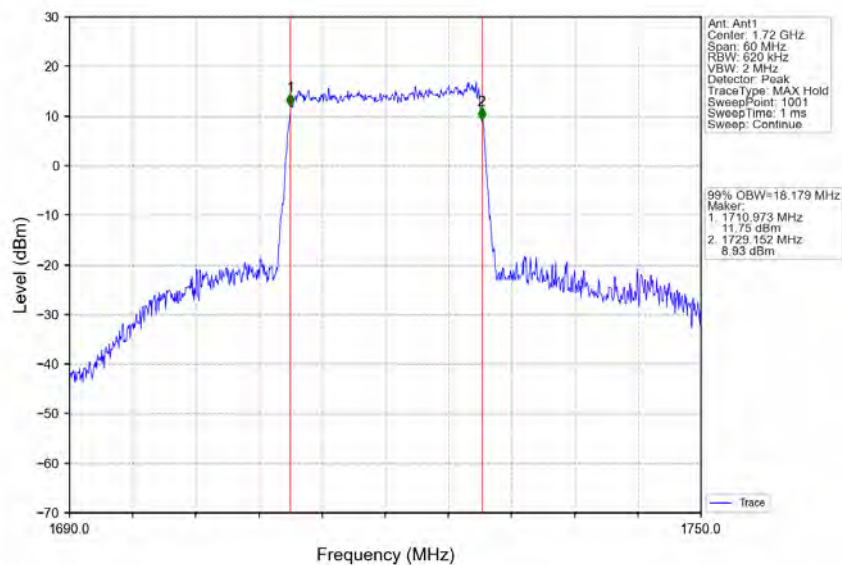
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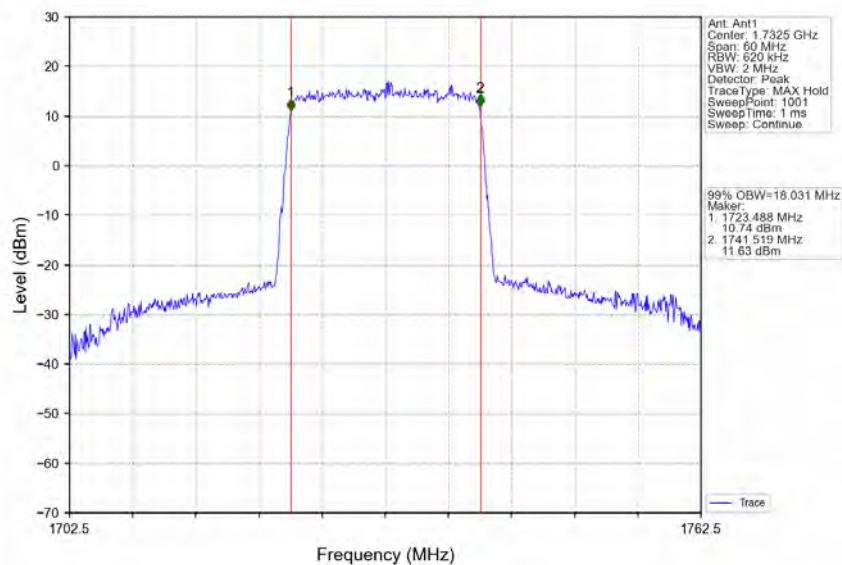
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Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



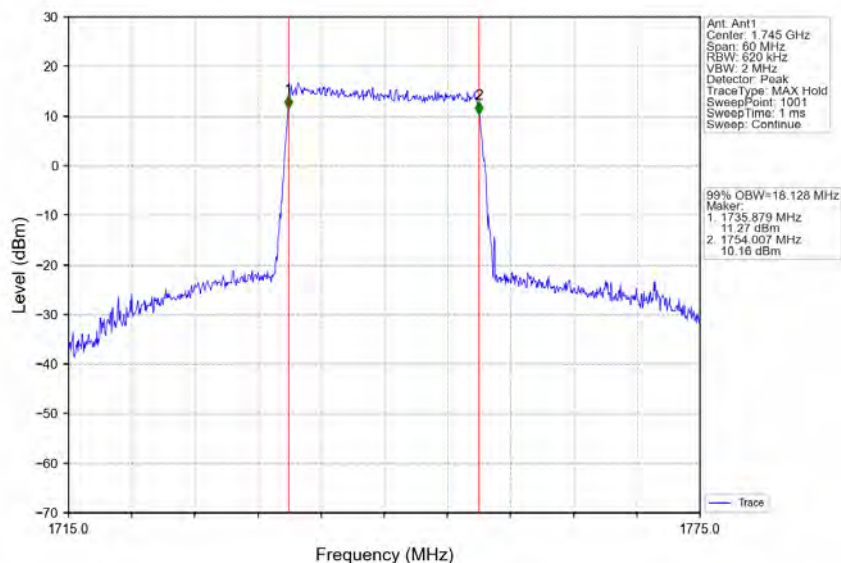
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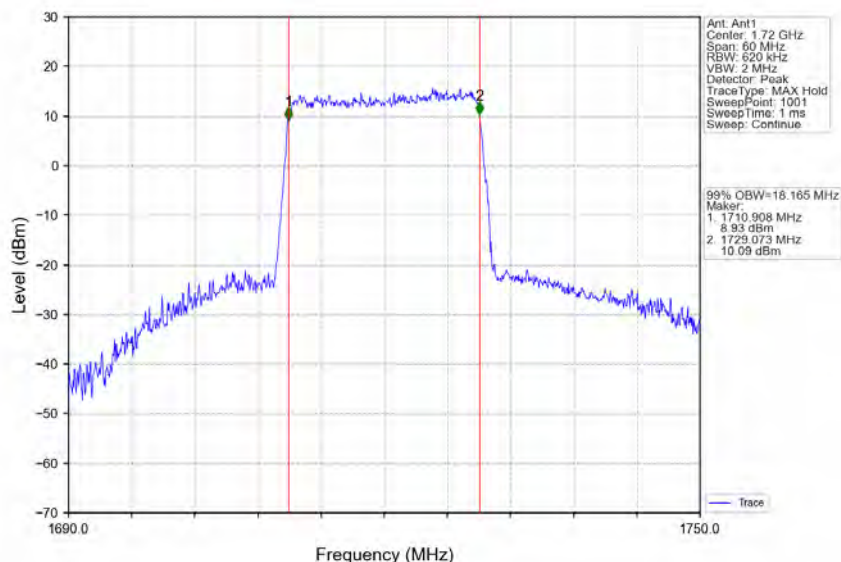
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Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



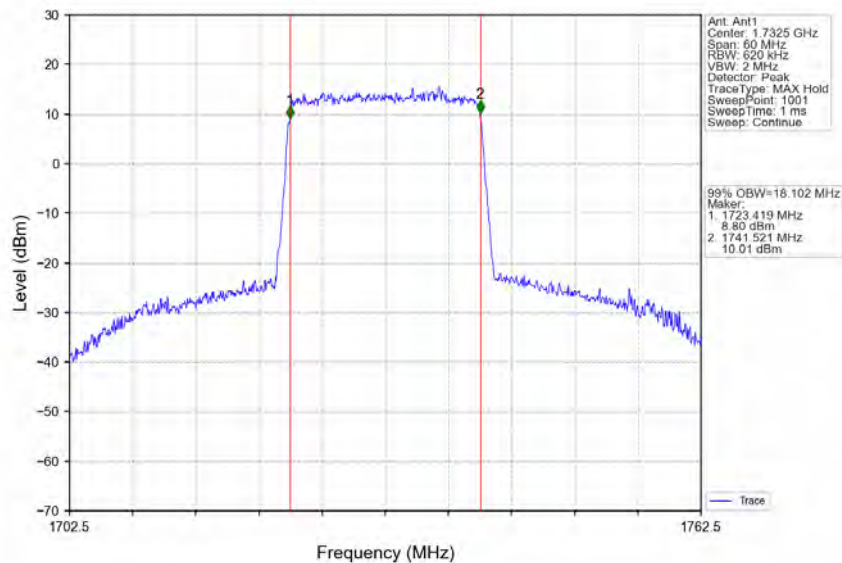
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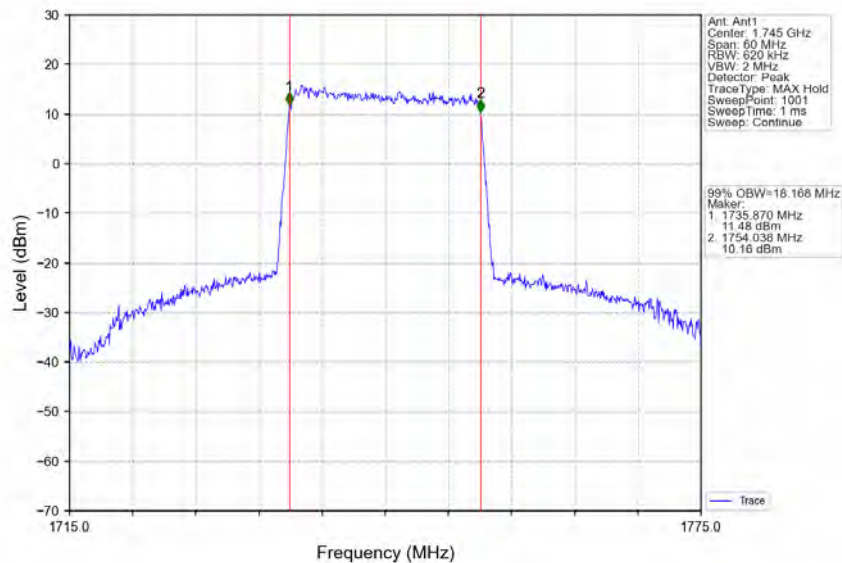
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4.2 Band4_XDB

4.2.1 Test Result

Band: 4 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.279	Pass
		1732.5	6	0	1.303	Pass
		1754.3	6	0	1.302	Pass
	16QAM	1710.7	6	0	1.342	Pass
		1732.5	6	0	1.305	Pass
		1754.3	6	0	1.302	Pass
	64QAM	1710.7	6	0	1.300	Pass
		1732.5	6	0	1.345	Pass
		1754.3	6	0	1.310	Pass
3	QPSK	1711.5	15	0	2.947	Pass
		1732.5	15	0	2.951	Pass
		1753.5	15	0	2.975	Pass
	16QAM	1711.5	15	0	2.947	Pass
		1732.5	15	0	2.944	Pass
		1753.5	15	0	2.966	Pass
	64QAM	1711.5	15	0	2.937	Pass
		1732.5	15	0	2.951	Pass
		1753.5	15	0	2.980	Pass
5	QPSK	1712.5	25	0	5.028	Pass
		1732.5	25	0	5.020	Pass
		1752.5	25	0	4.998	Pass
	16QAM	1712.5	25	0	5.011	Pass
		1732.5	25	0	4.992	Pass
		1752.5	25	0	5.050	Pass
	64QAM	1712.5	25	0	5.021	Pass
		1732.5	25	0	5.049	Pass
		1752.5	25	0	4.989	Pass
10	QPSK	1715	50	0	9.997	Pass
		1732.5	50	0	10.415	Pass
		1750	50	0	10.009	Pass
	16QAM	1715	50	0	9.892	Pass
		1732.5	50	0	9.857	Pass
		1750	50	0	9.969	Pass
	64QAM	1715	50	0	9.948	Pass
		1732.5	50	0	9.872	Pass
		1750	50	0	9.908	Pass
15	QPSK	1717.5	75	0	14.890	Pass
		1732.5	75	0	14.793	Pass
		1747.5	75	0	14.921	Pass
	16QAM	1717.5	75	0	14.912	Pass
		1732.5	75	0	14.899	Pass
		1747.5	75	0	14.858	Pass
	64QAM	1717.5	75	0	14.881	Pass
		1732.5	75	0	14.703	Pass
		1747.5	75	0	14.961	Pass
20	QPSK	1720	100	0	19.703	Pass



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	16QAM	1732.5	100	0	19.690	Pass
		1745	100	0	19.771	Pass
		1720	100	0	19.697	Pass
		1732.5	100	0	19.762	Pass
		1745	100	0	19.625	Pass
	64QAM	1720	100	0	19.803	Pass
		1732.5	100	0	19.599	Pass
		1745	100	0	19.646	Pass



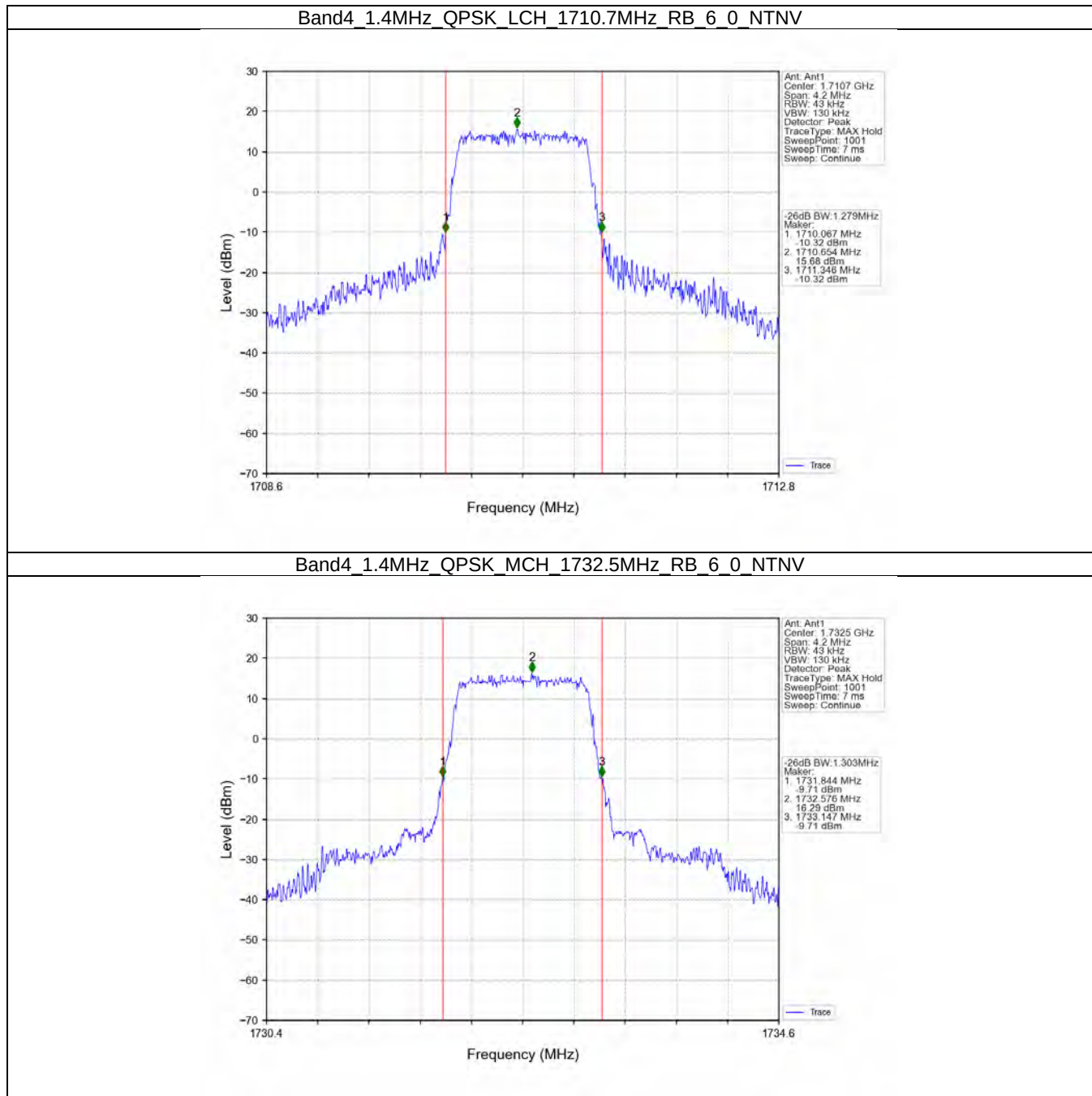
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4.2.2 Test Graph



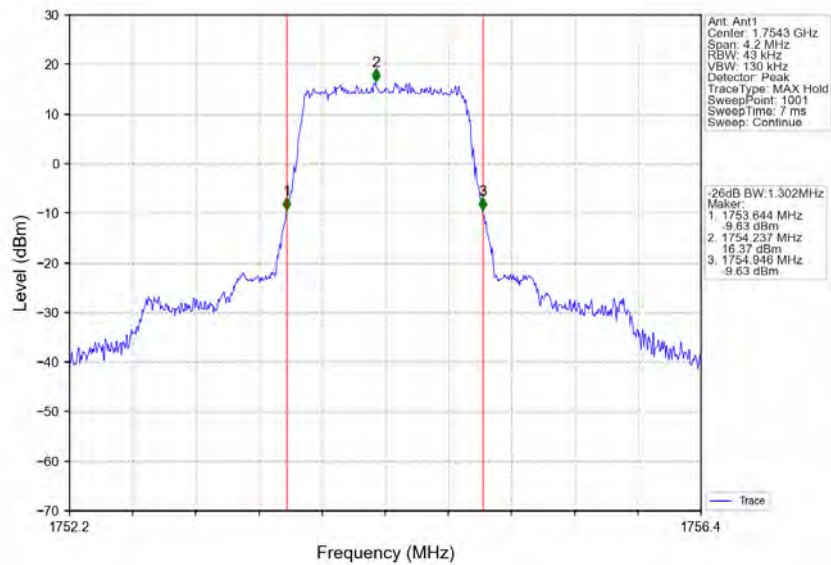
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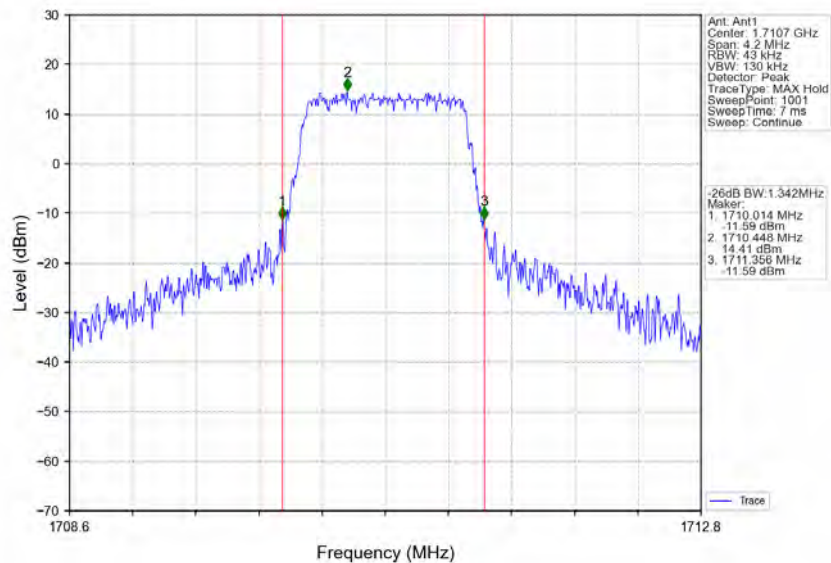
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Band4 1.4MHz 16QAM LCH 1710.7MHz RB_6_0_NTNV



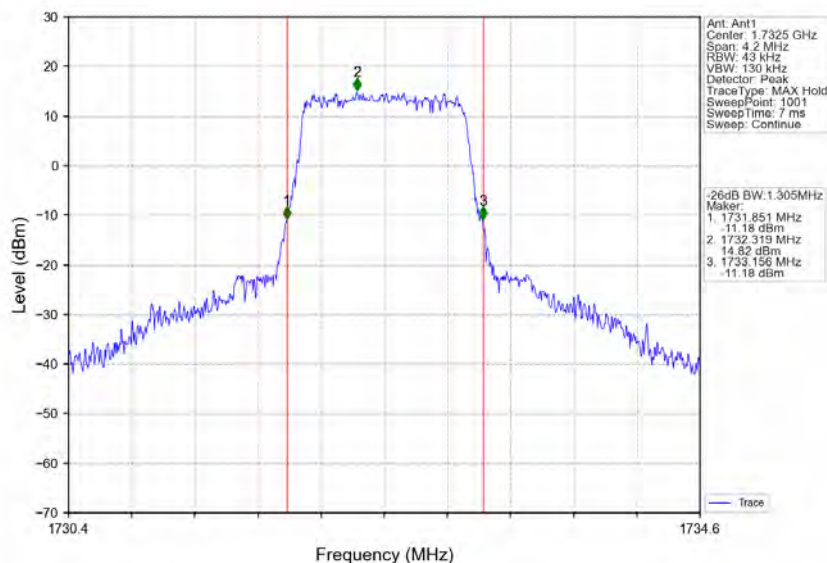
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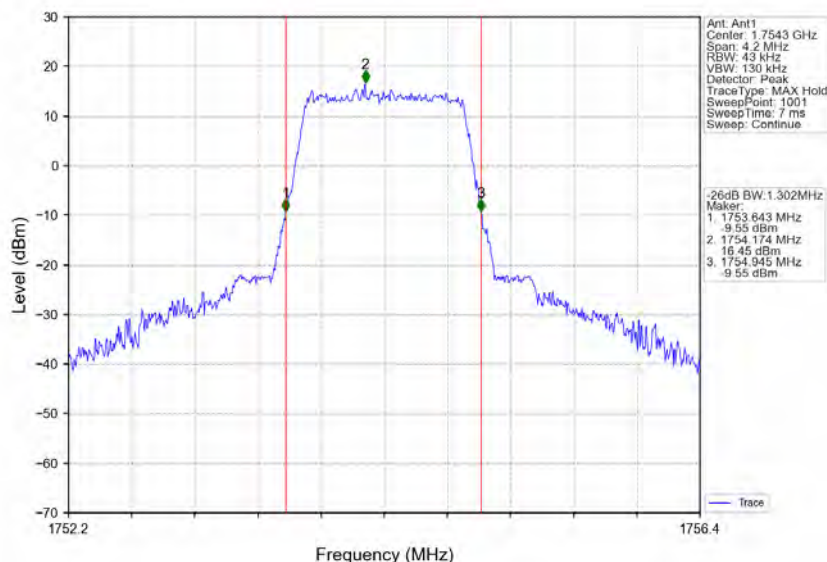
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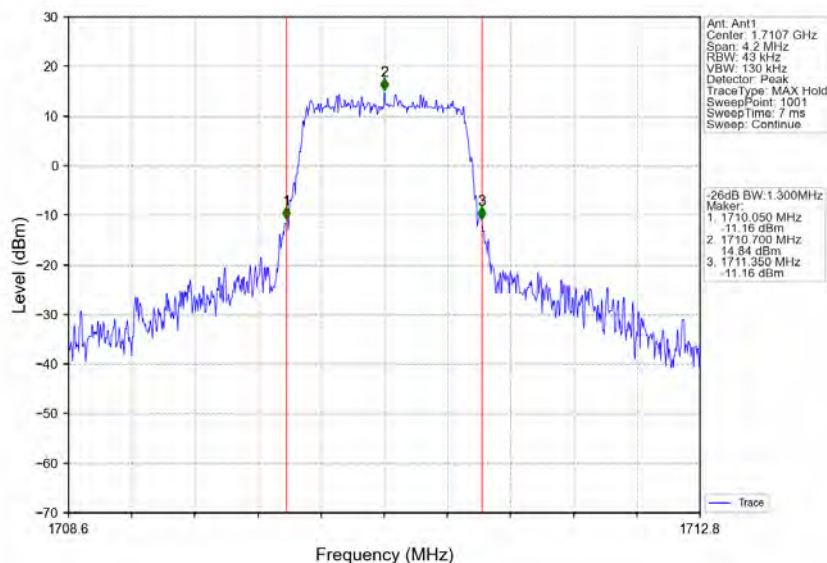
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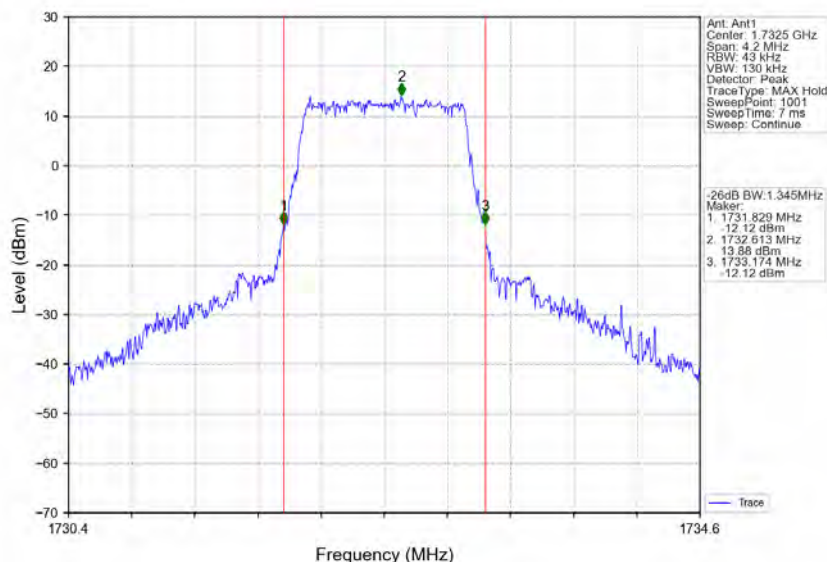
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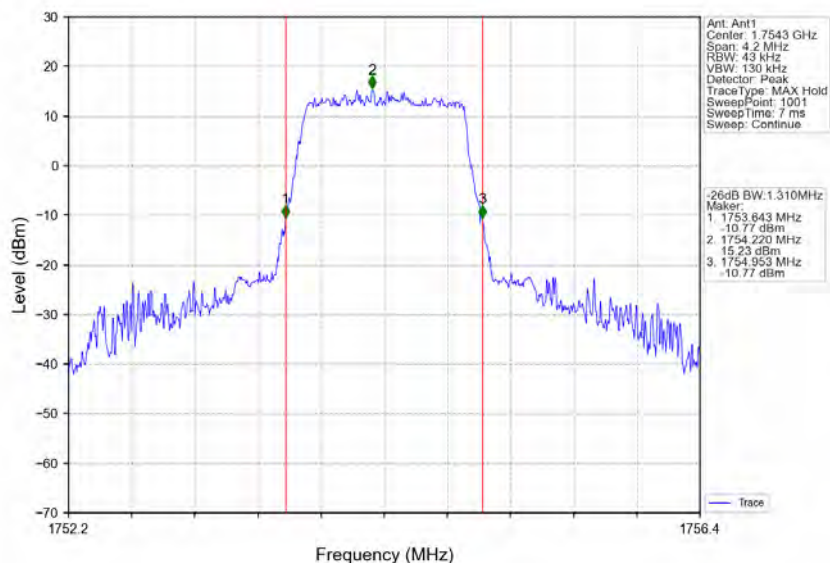
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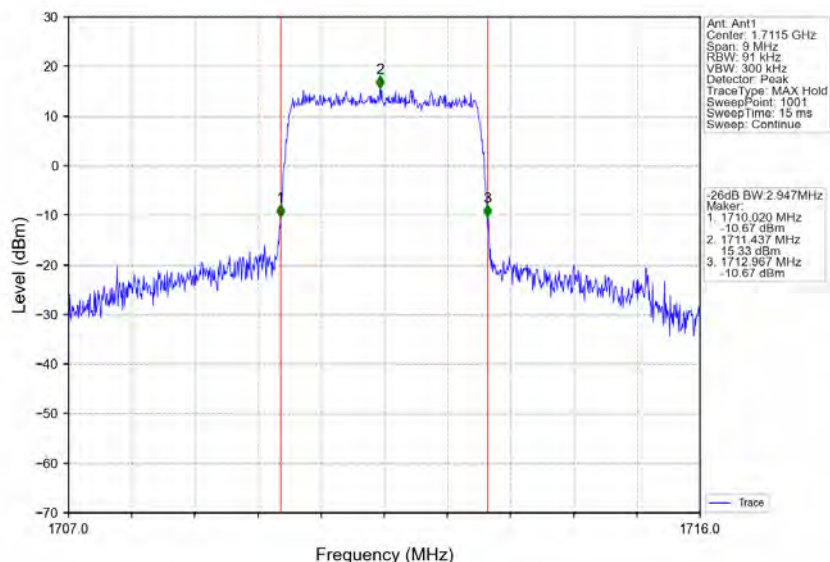
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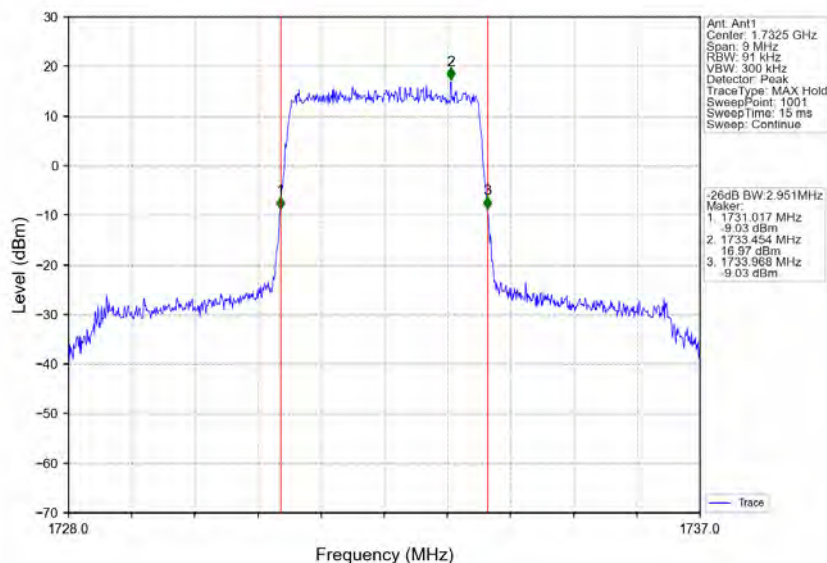
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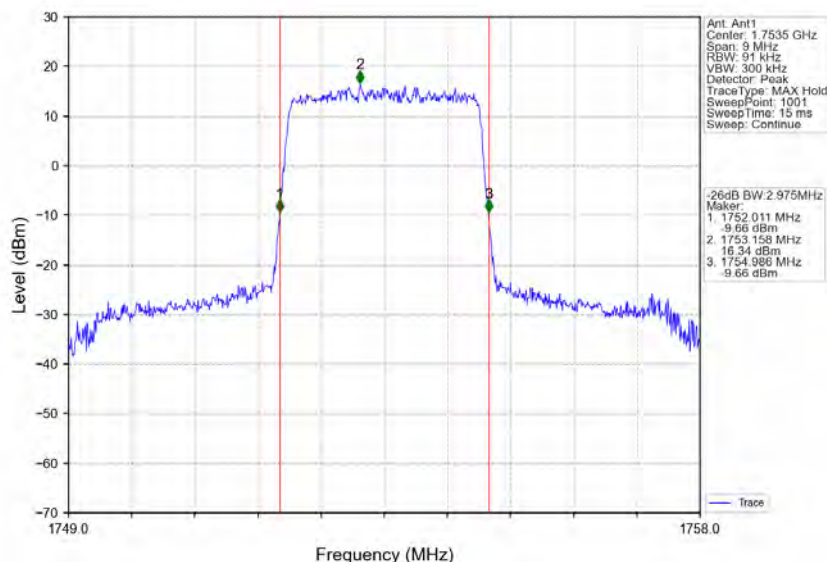
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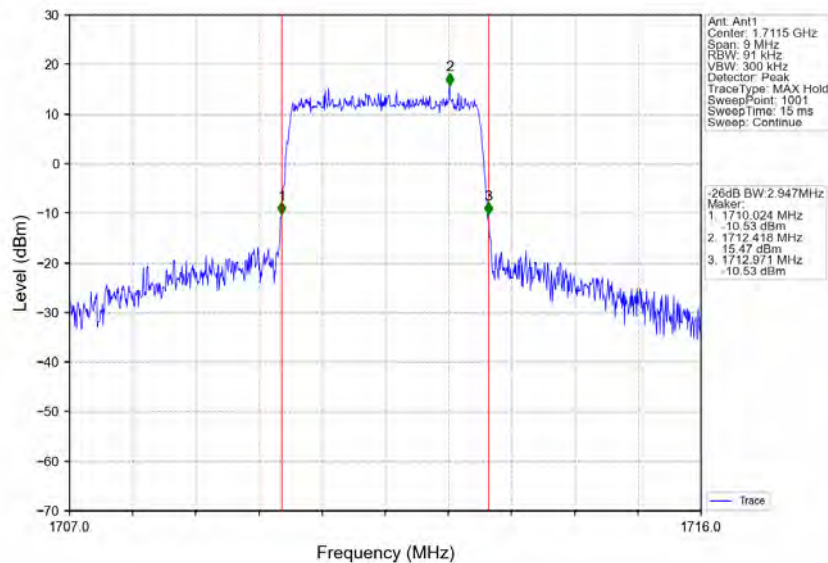
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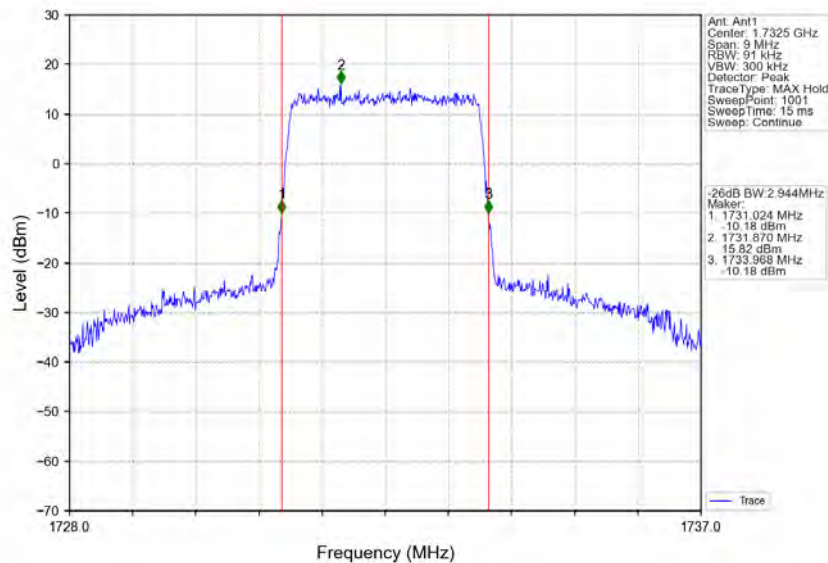
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Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



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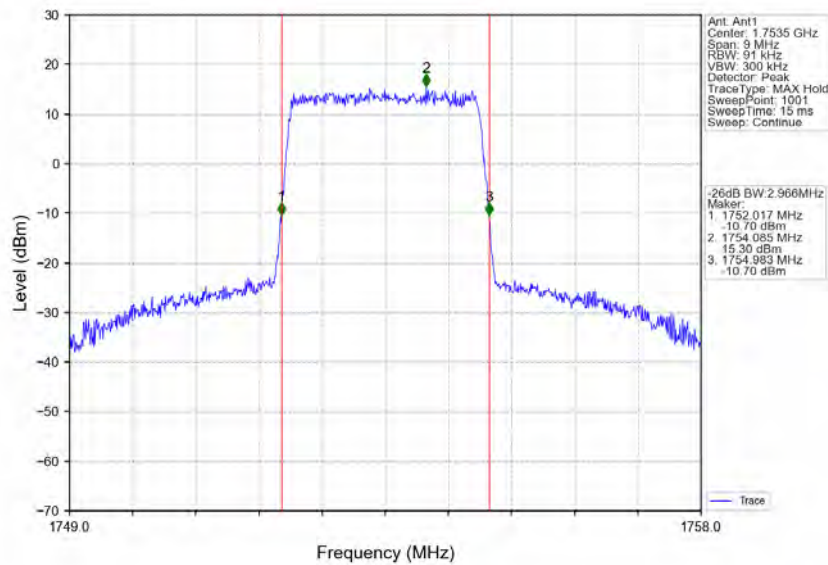
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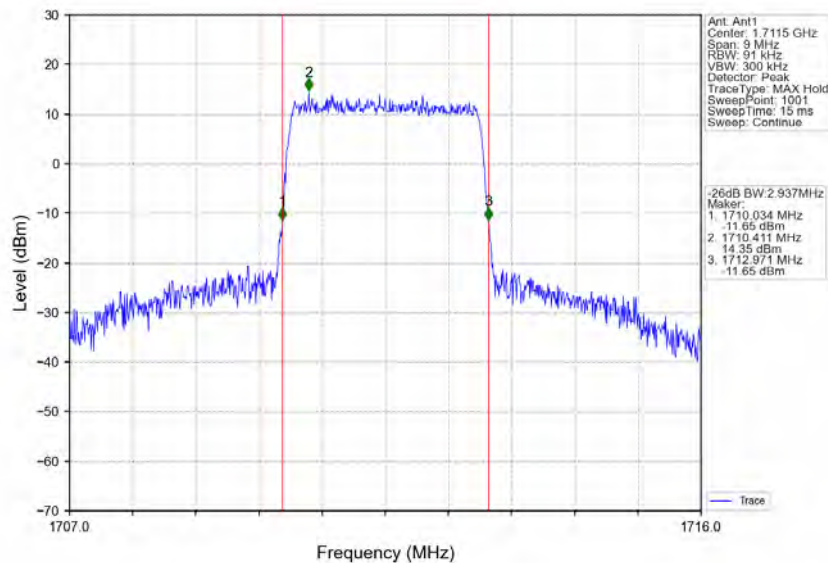
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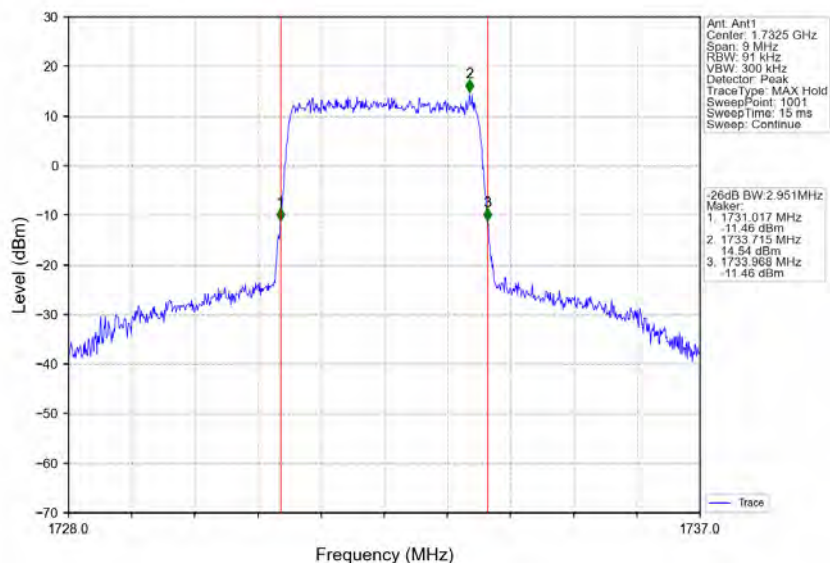
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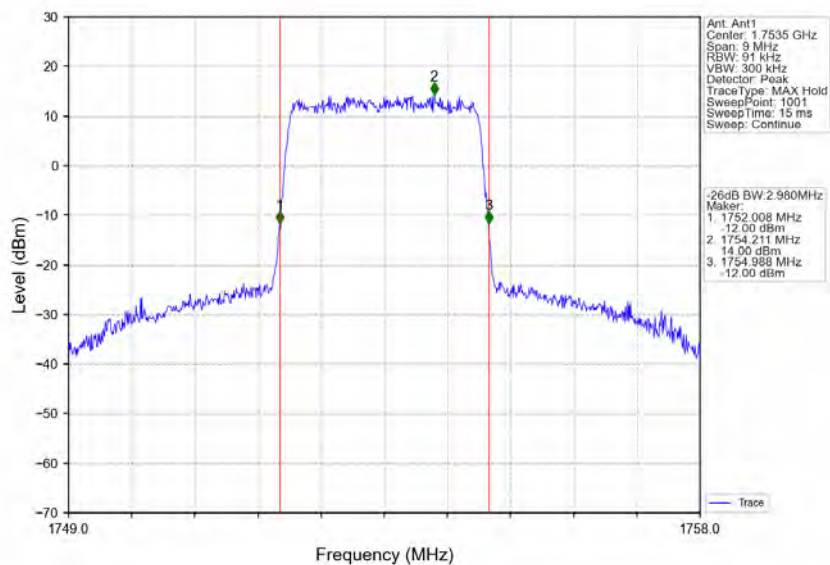
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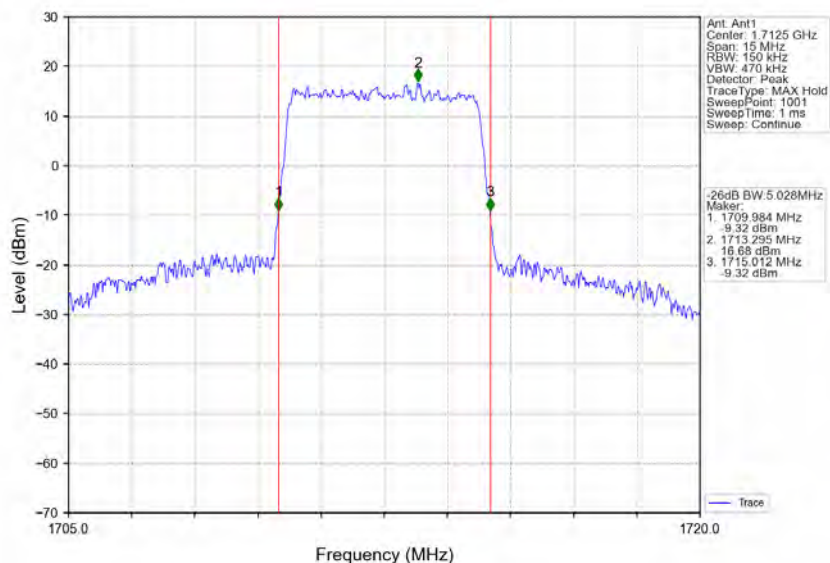
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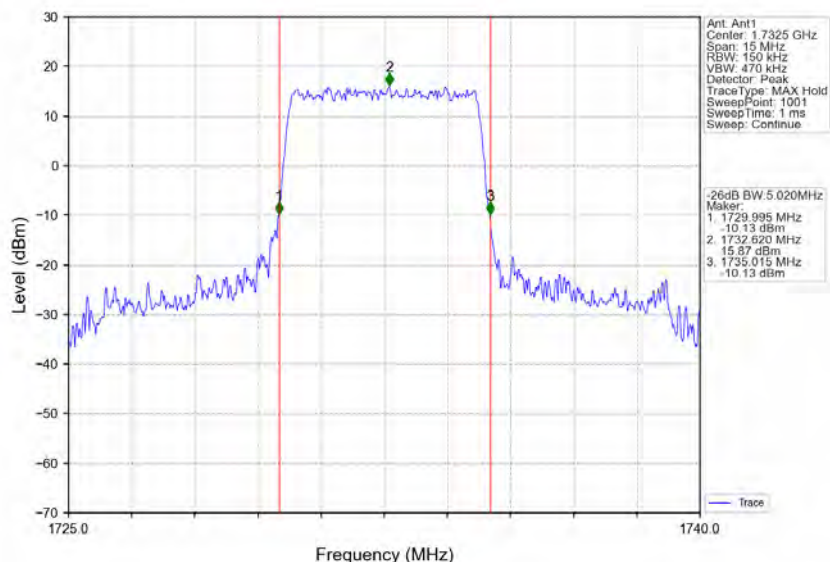
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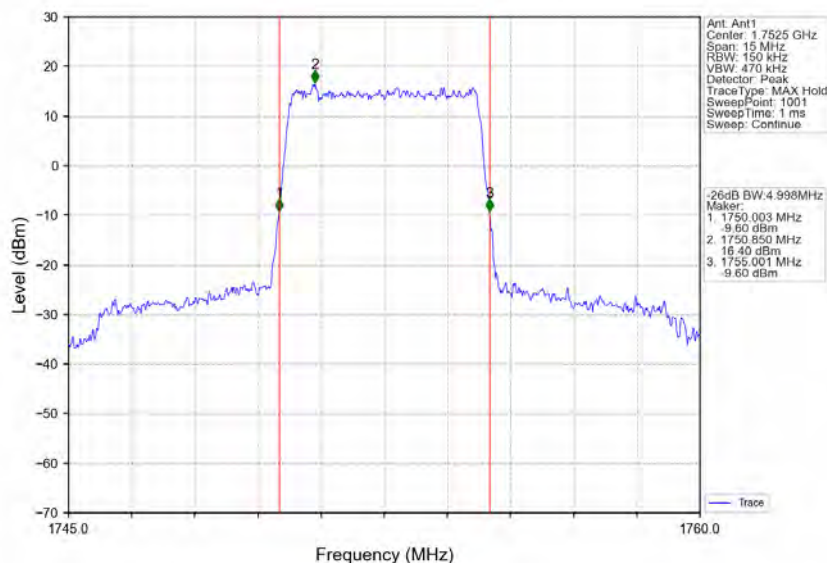
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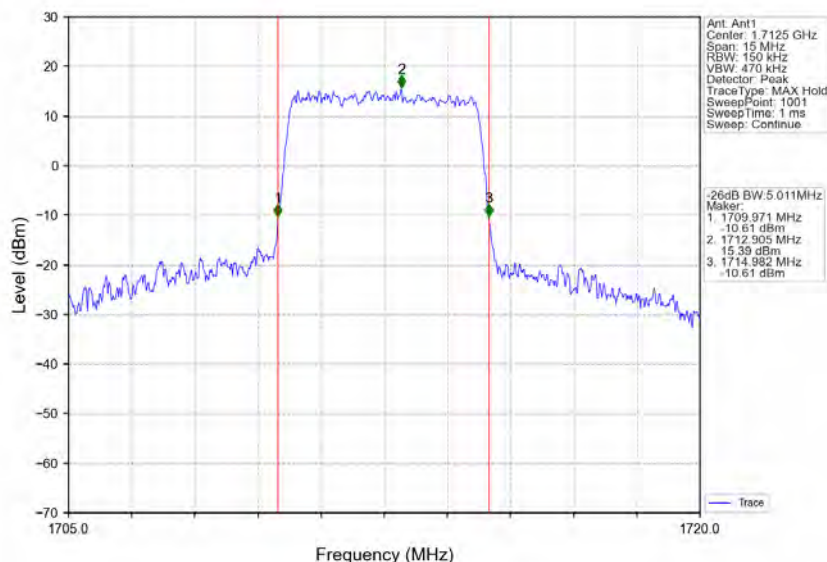
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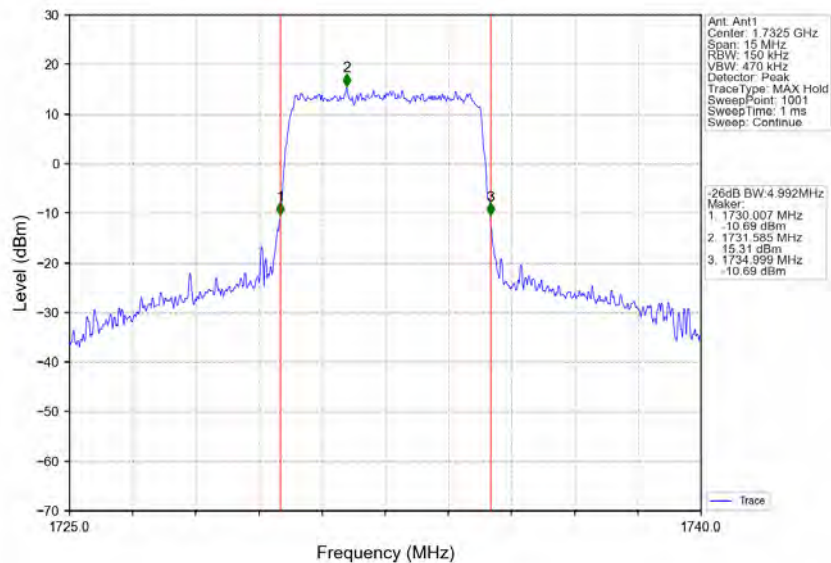
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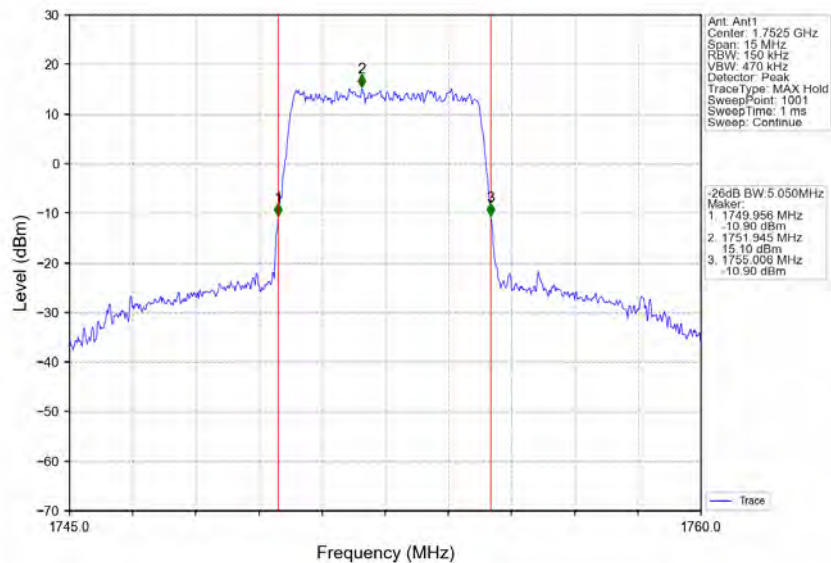
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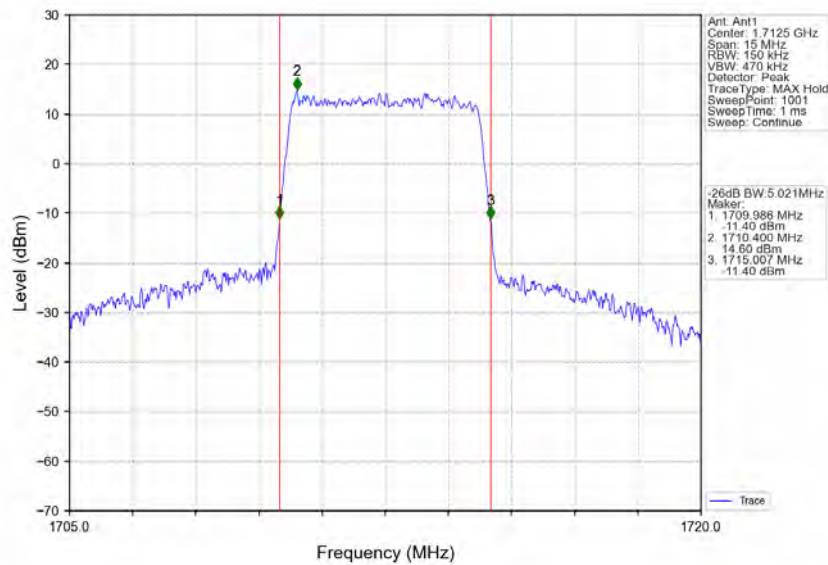
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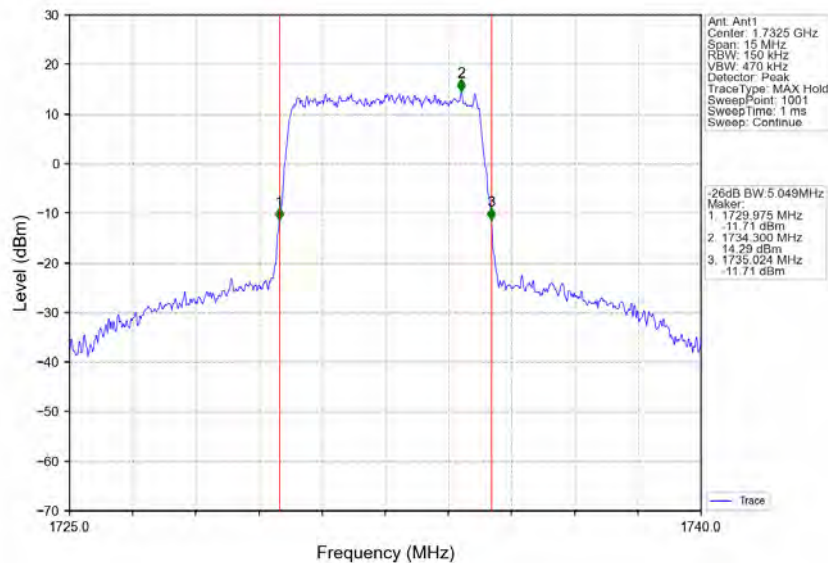
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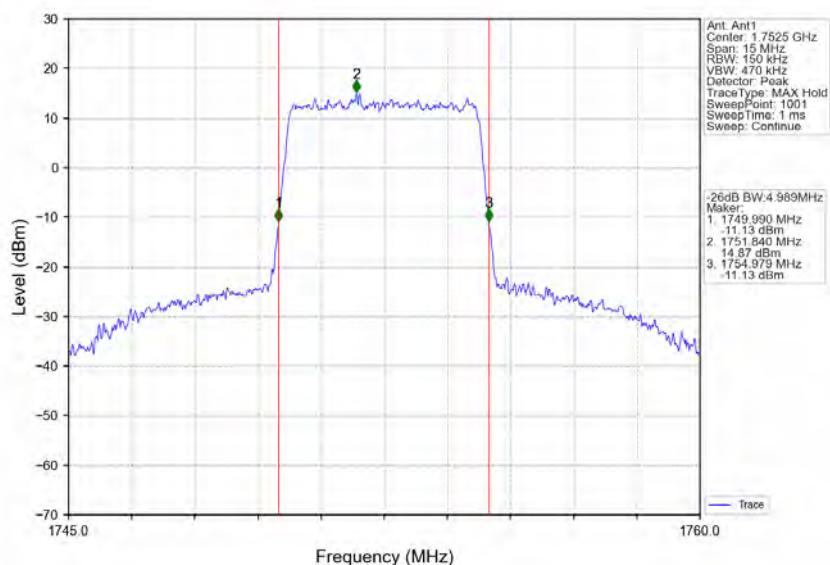
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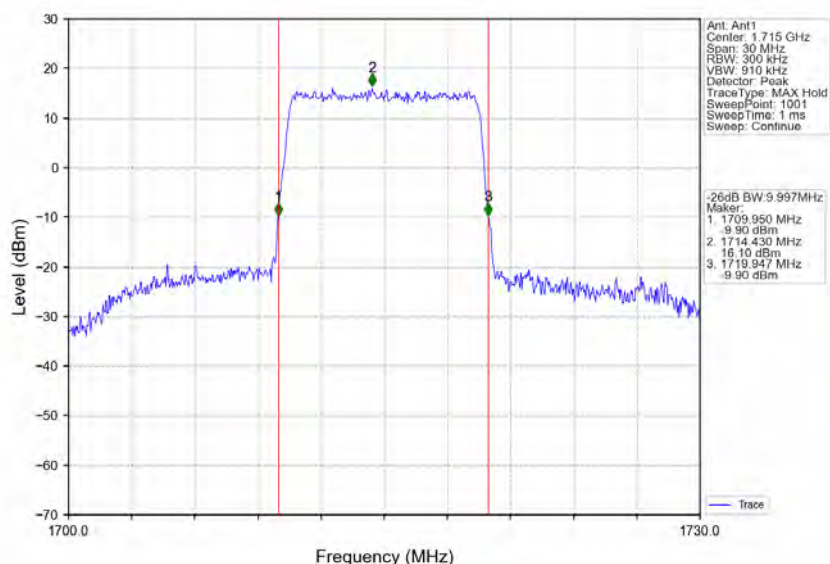
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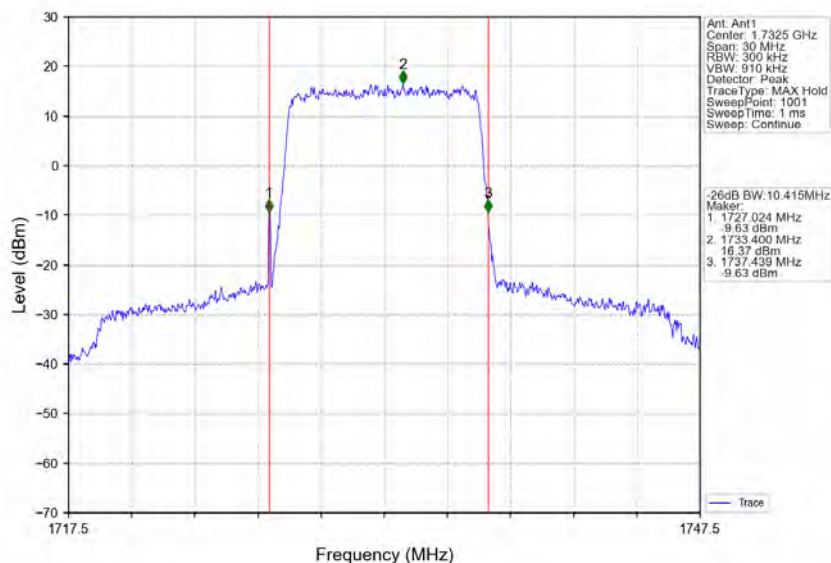
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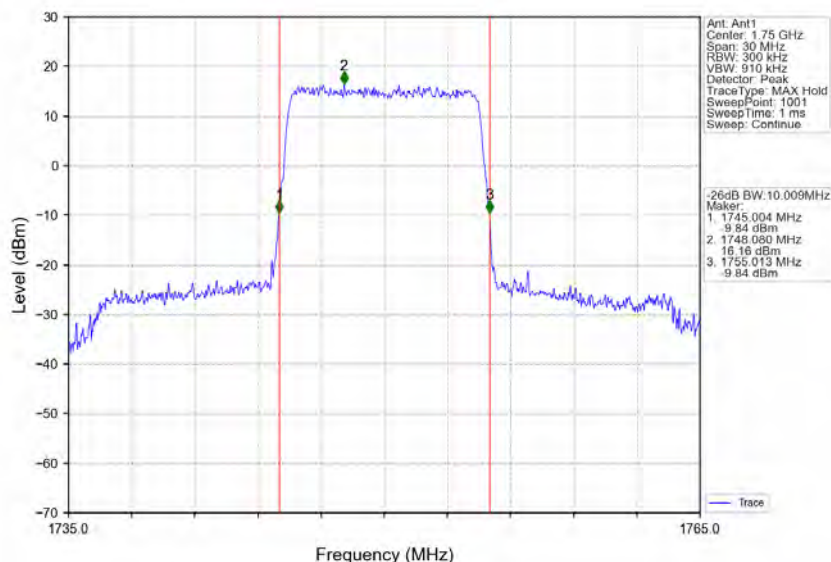
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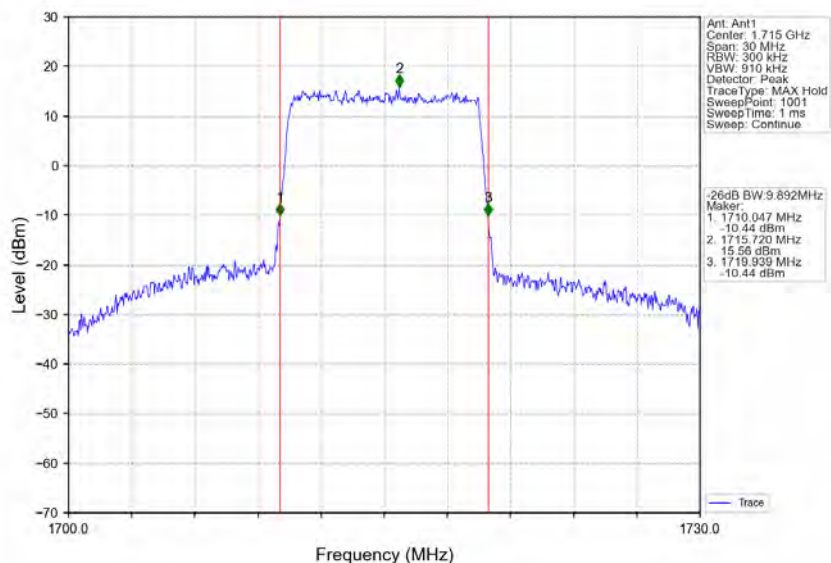
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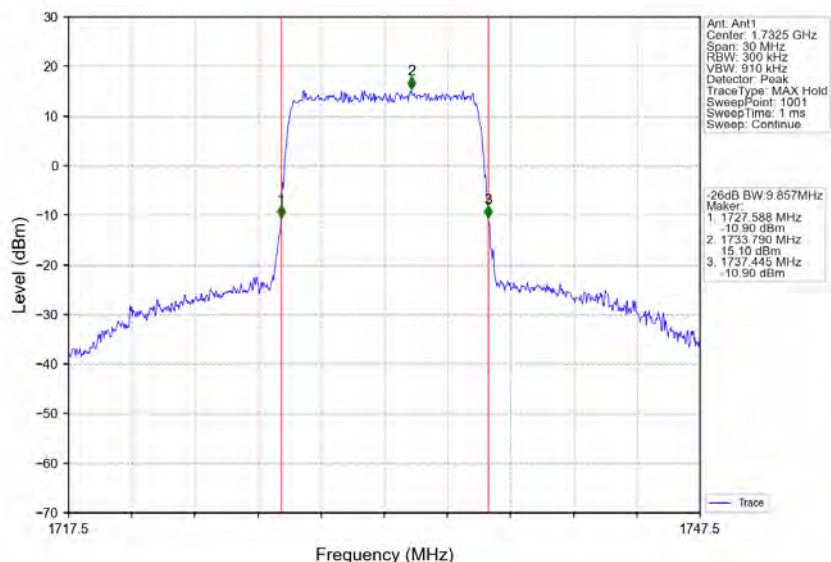
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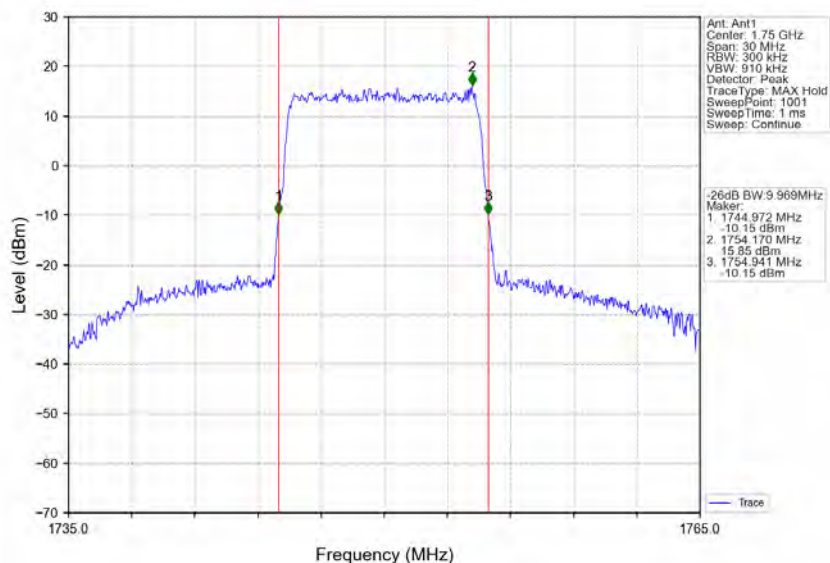
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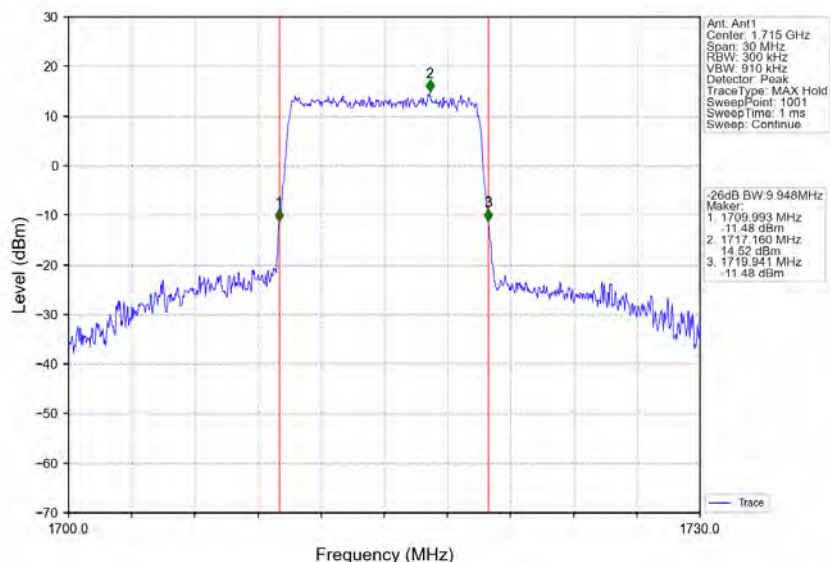
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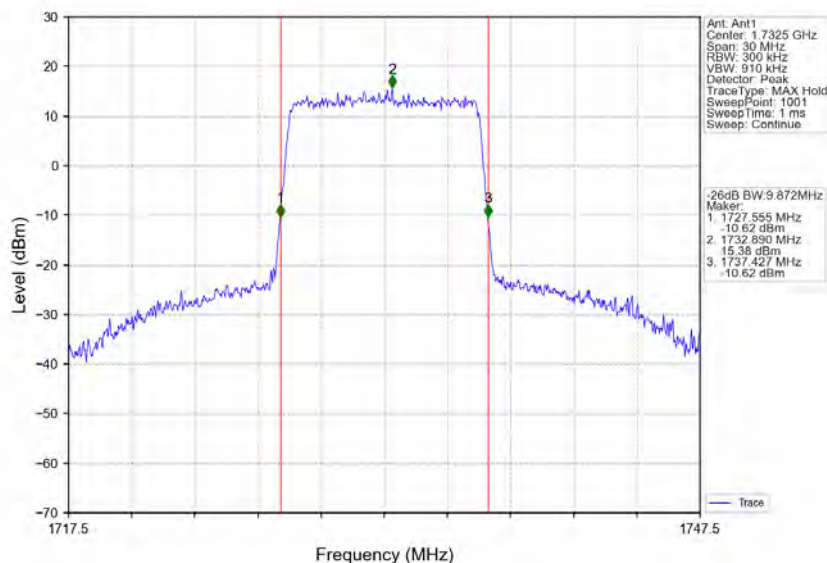
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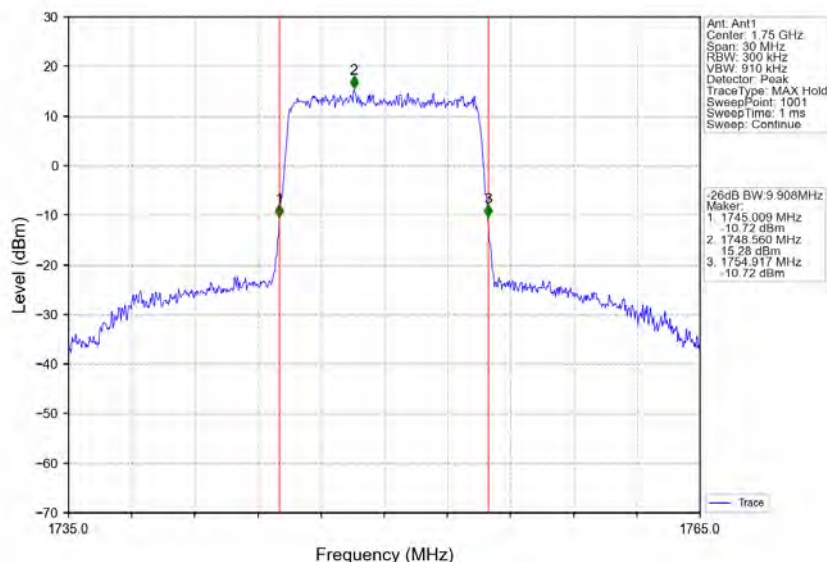
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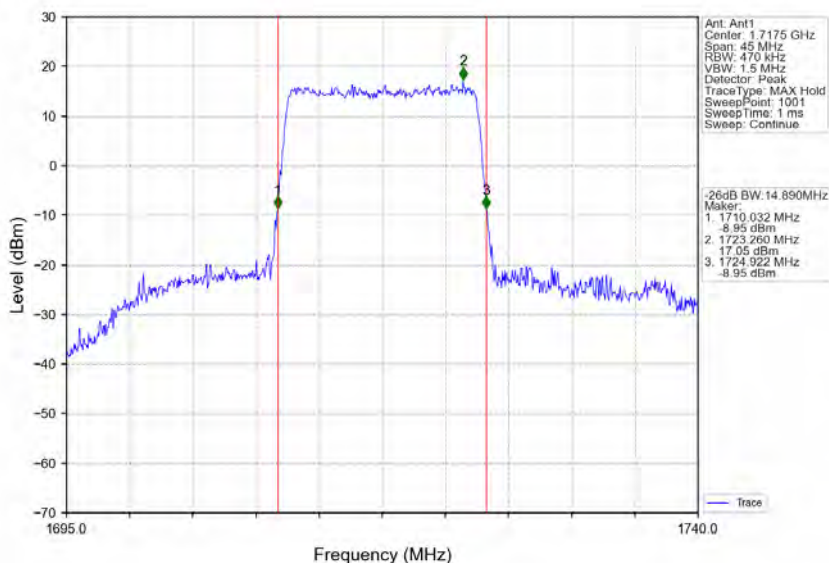
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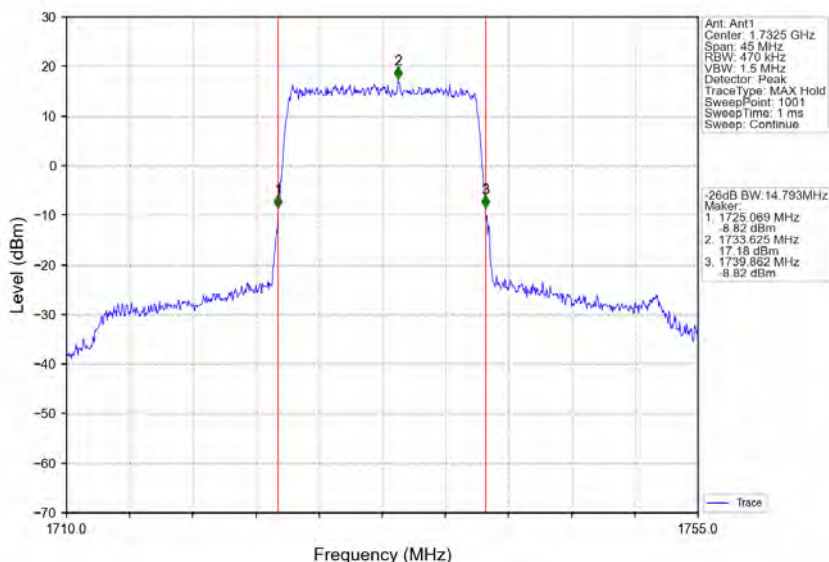
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Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



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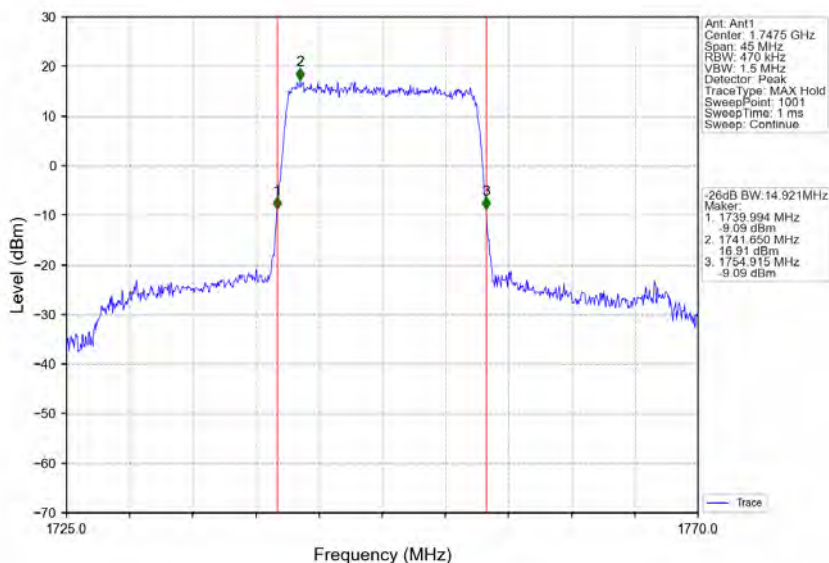
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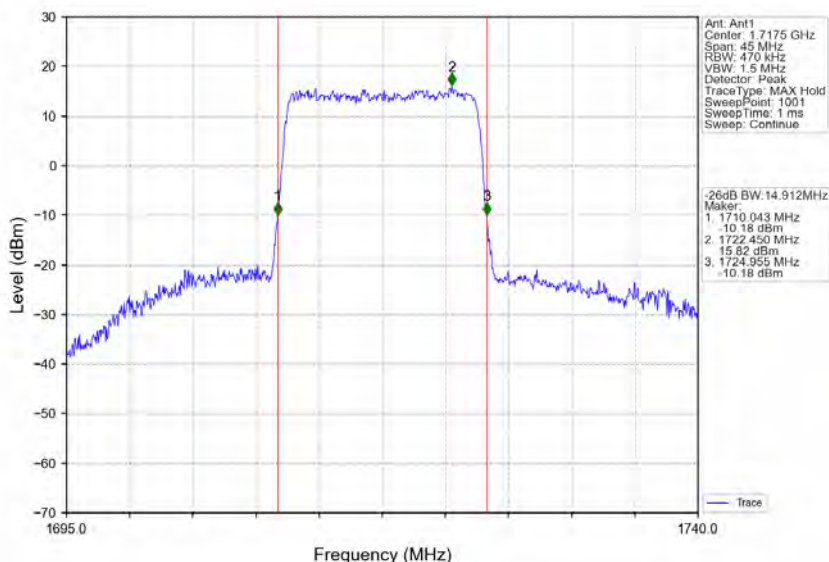
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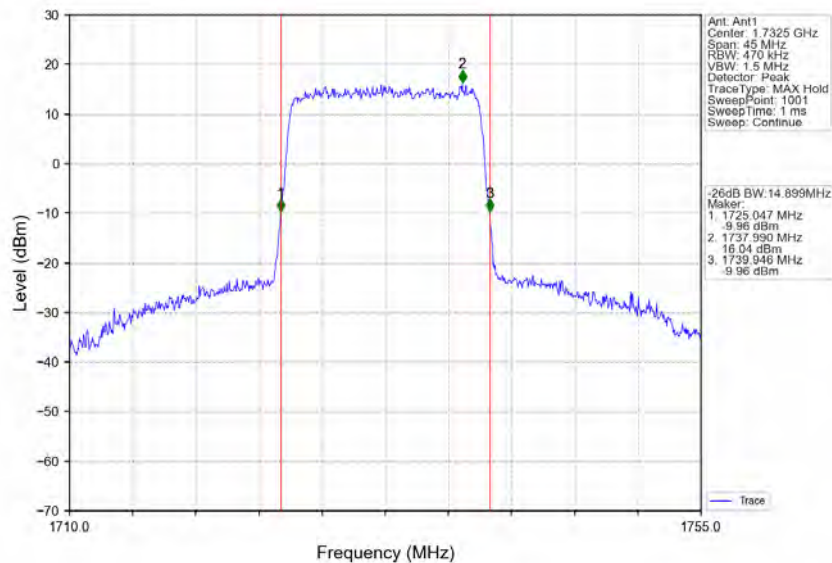
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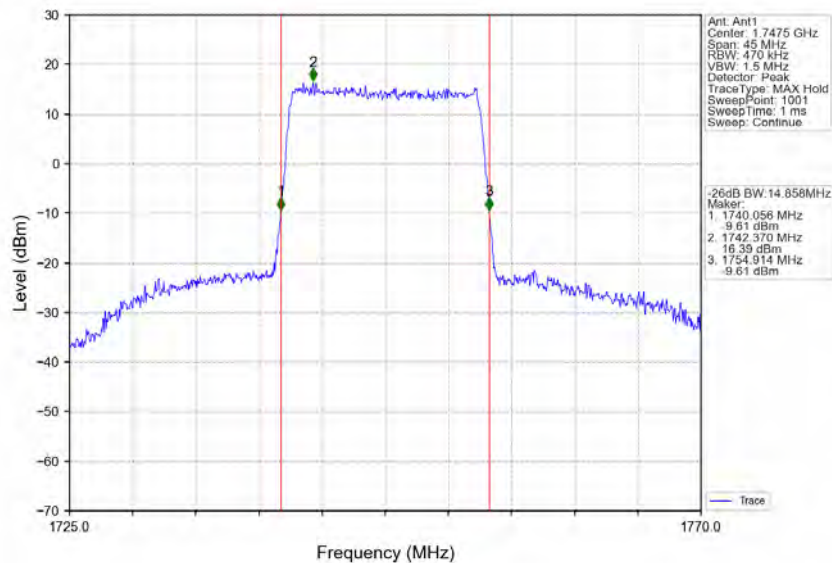
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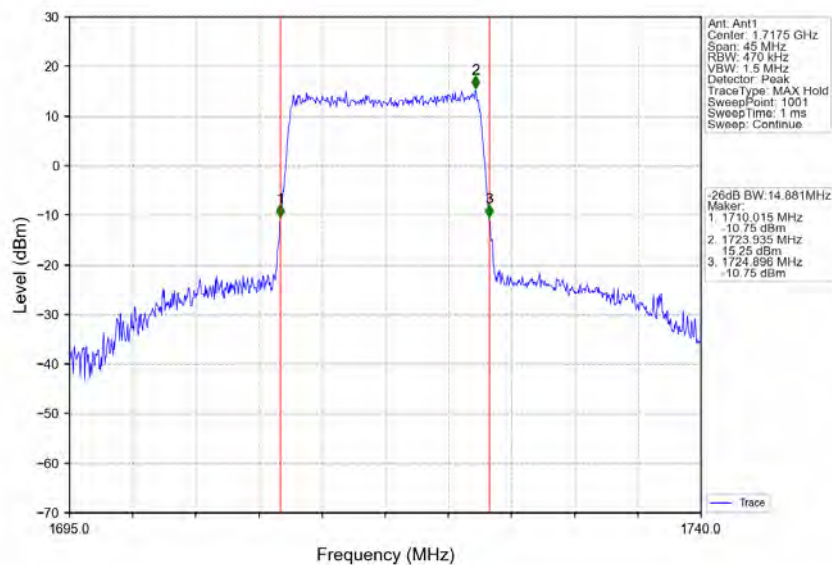
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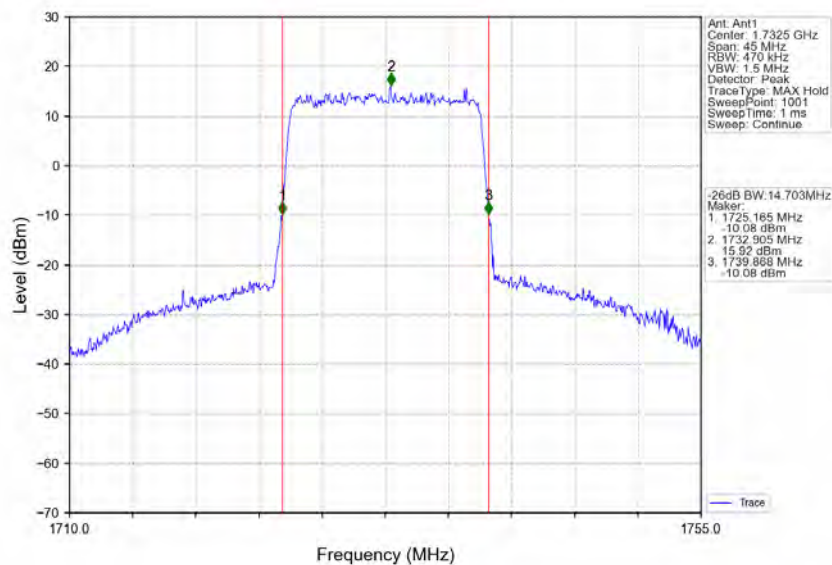
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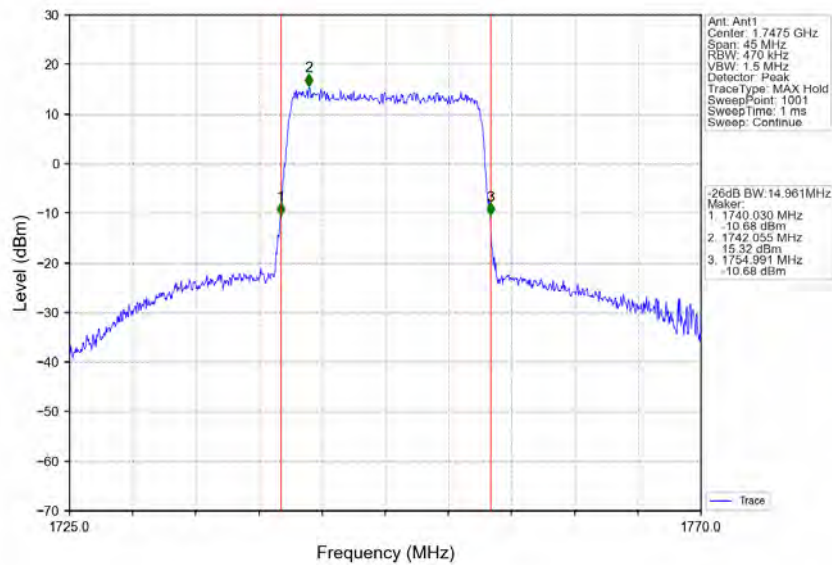
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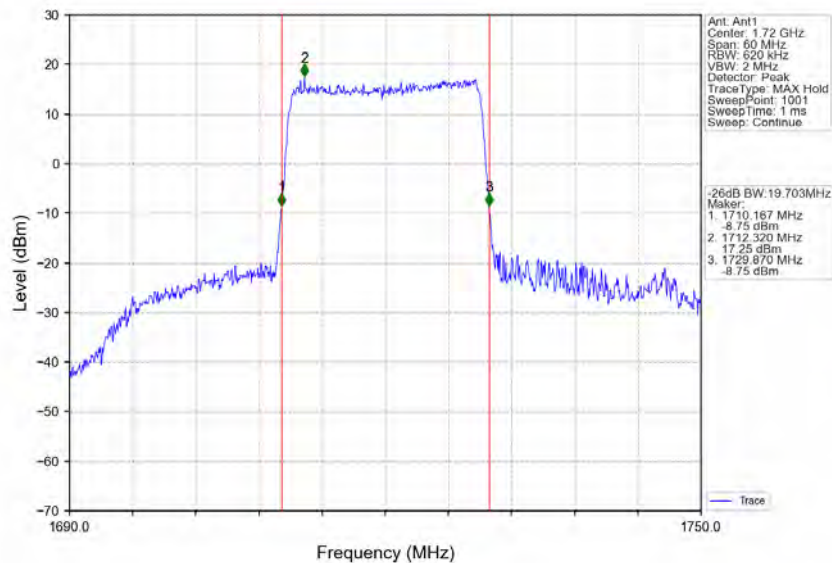
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Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



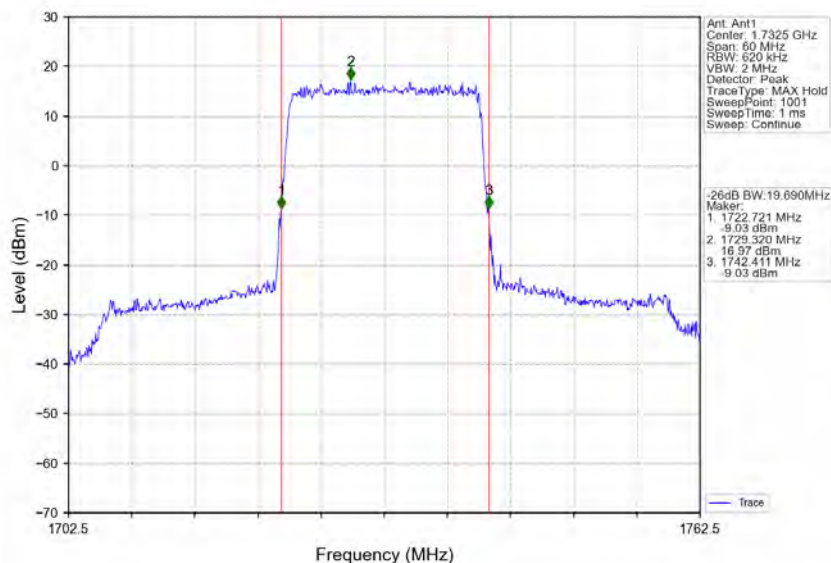
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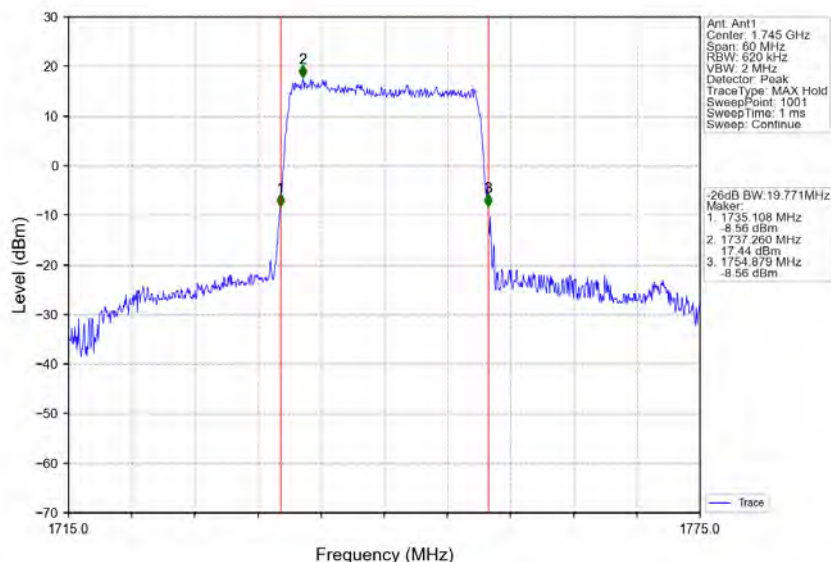
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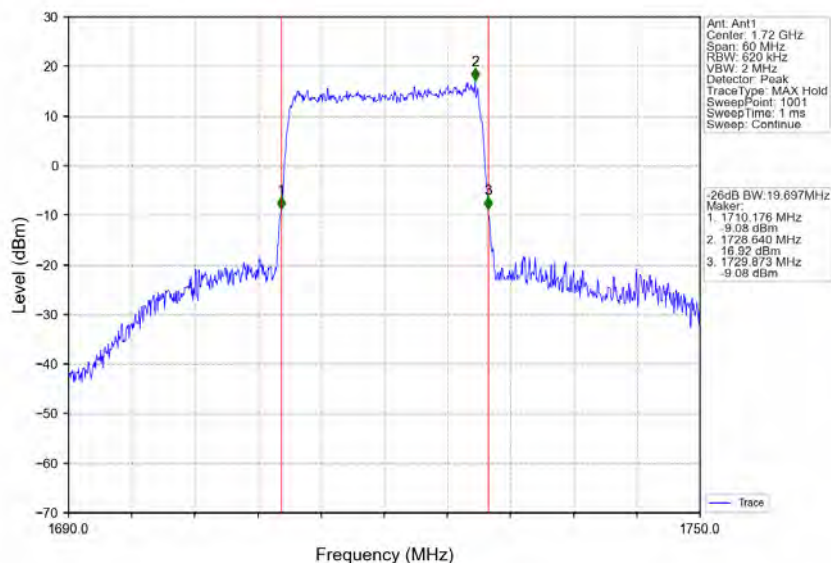
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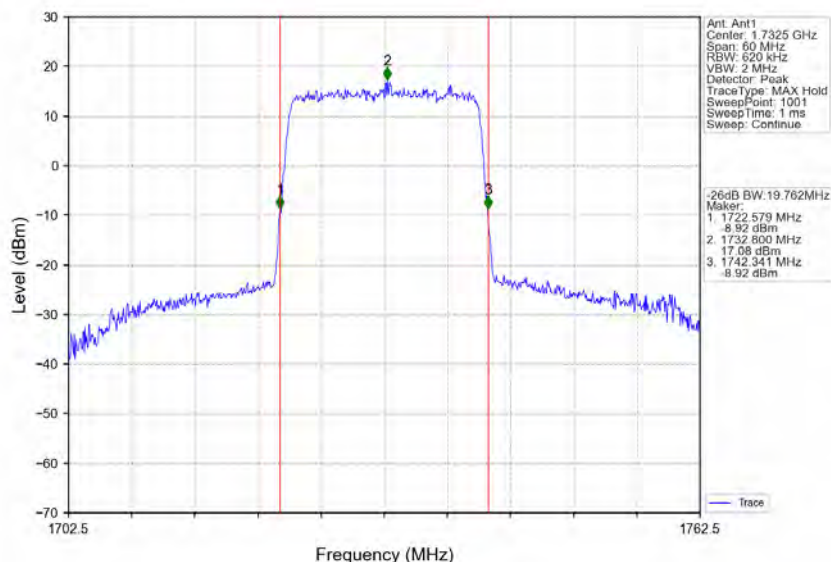
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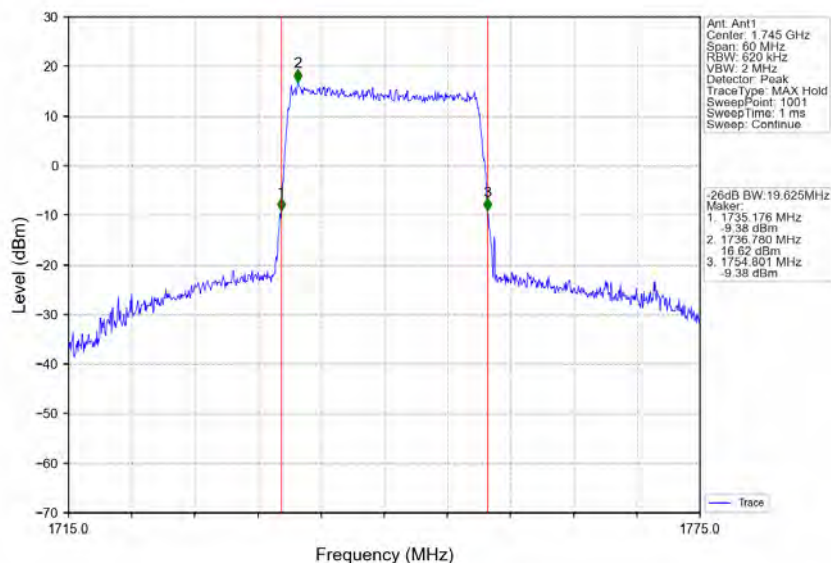
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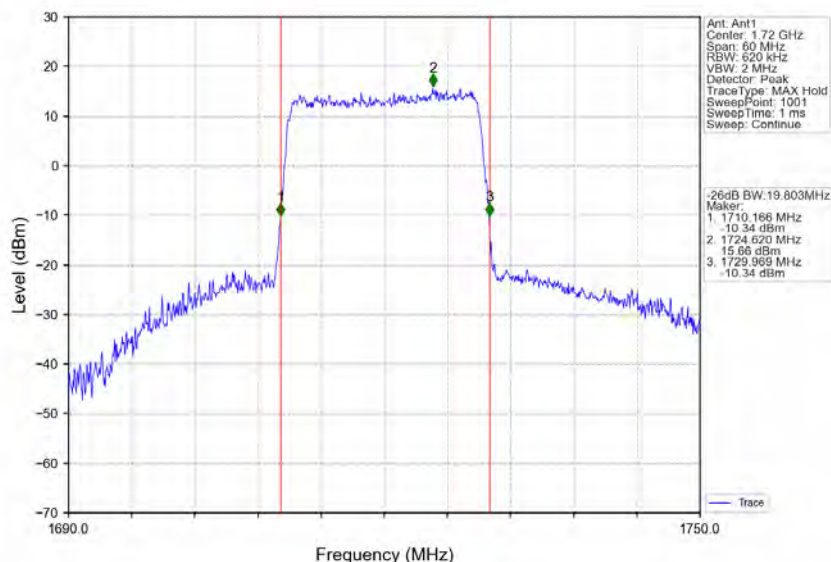
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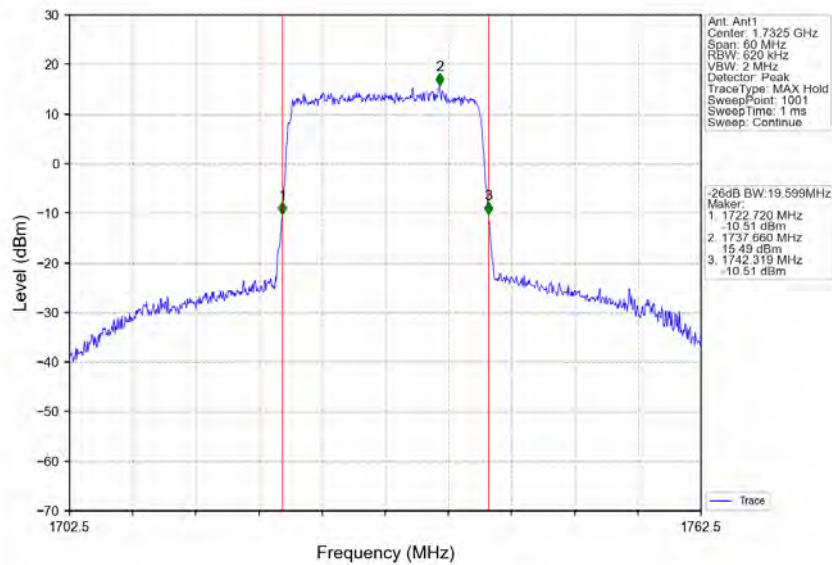
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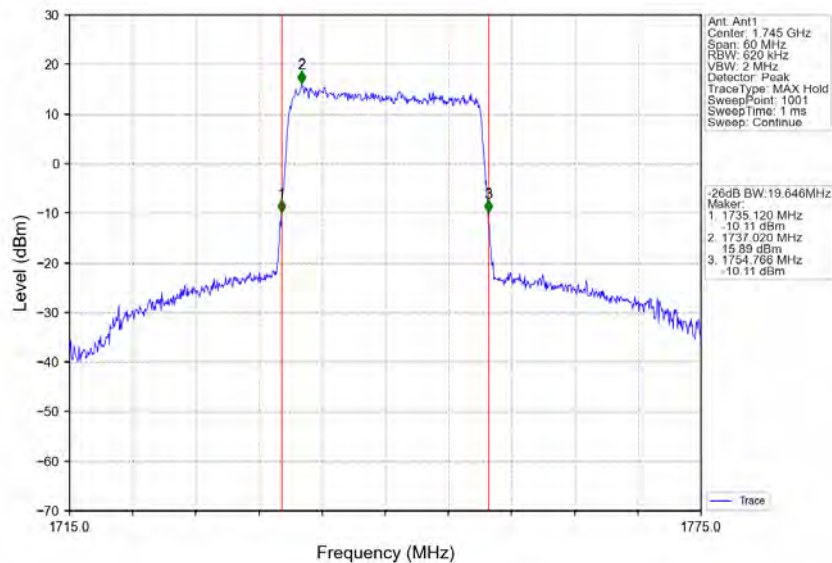
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5. Peak-Average Ratio

5.1 B4_1.4MHz

5.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.39	<=13	Pass
	1732.5	6	0	5.63	<=13	Pass
	1754.3	6	0	5.72	<=13	Pass
16QAM	1710.7	6	0	6.28	<=13	Pass
	1732.5	6	0	6.42	<=13	Pass
	1754.3	6	0	6.49	<=13	Pass
64QAM	1710.7	6	0	6.45	<=13	Pass
	1732.5	6	0	6.87	<=13	Pass
	1754.3	6	0	6.66	<=13	Pass



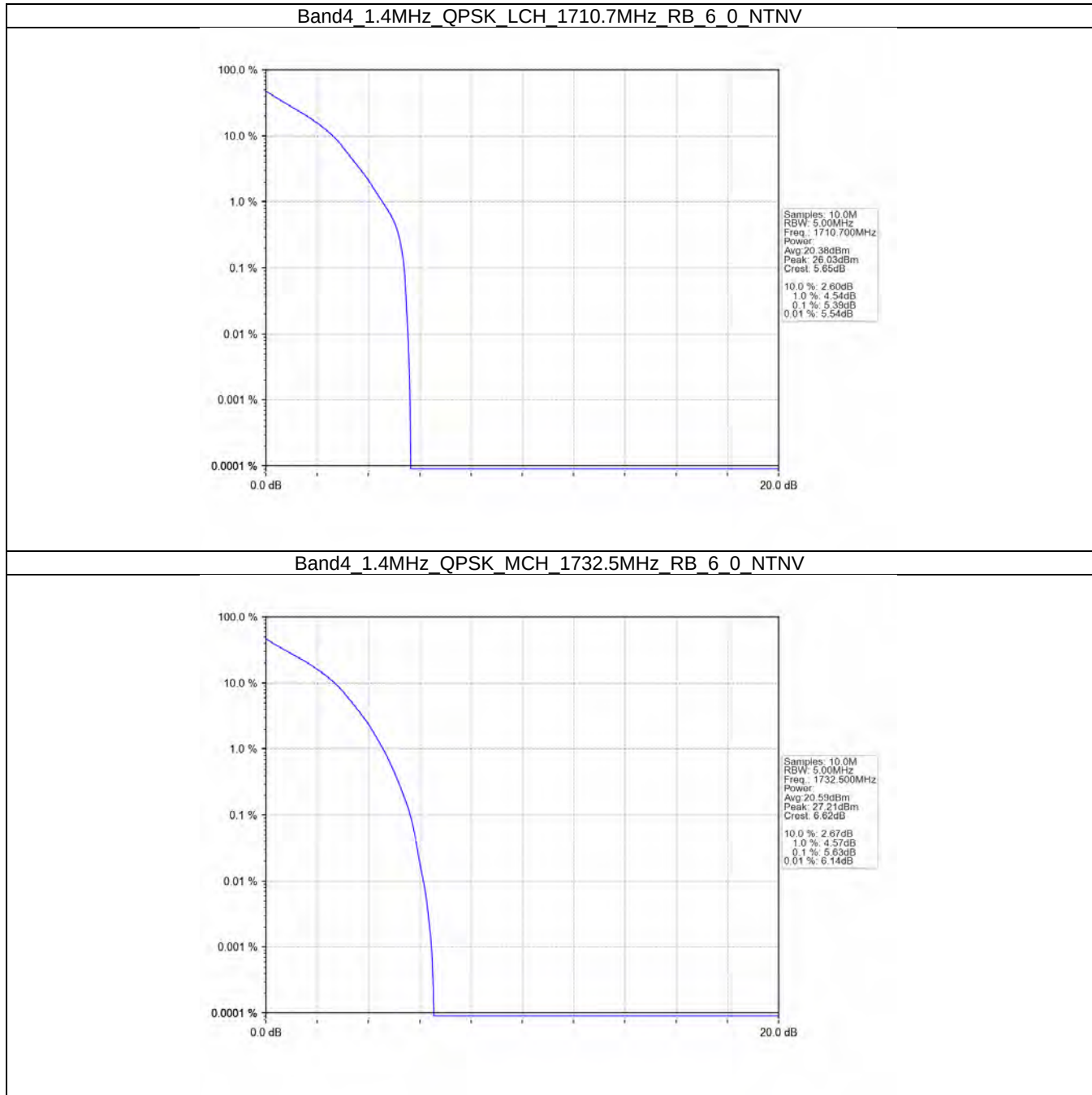
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5.1.2 Test Graph



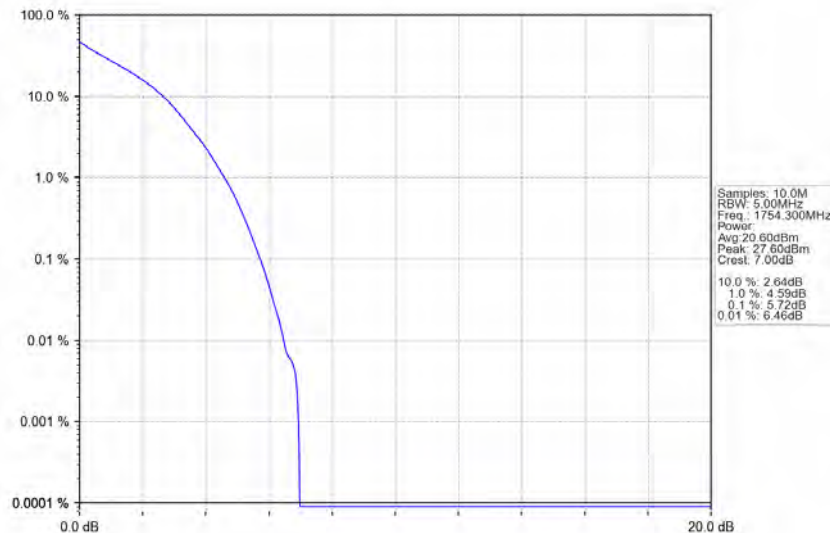
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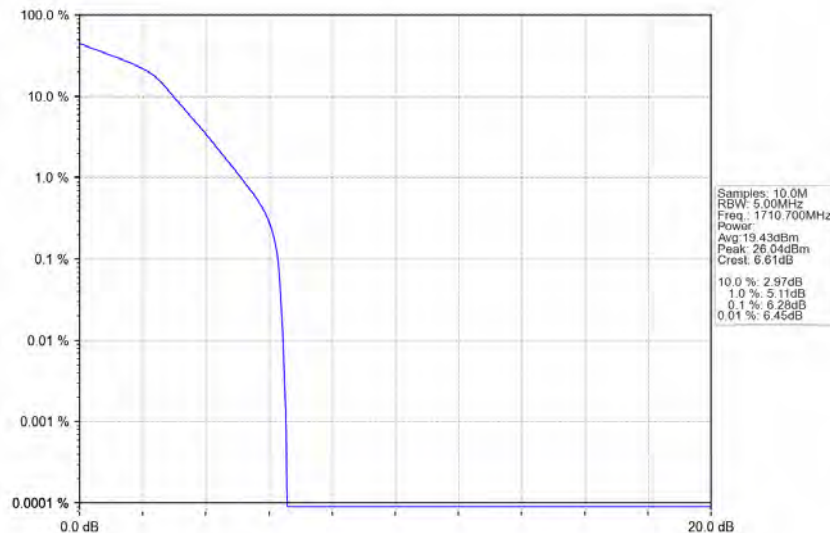
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Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



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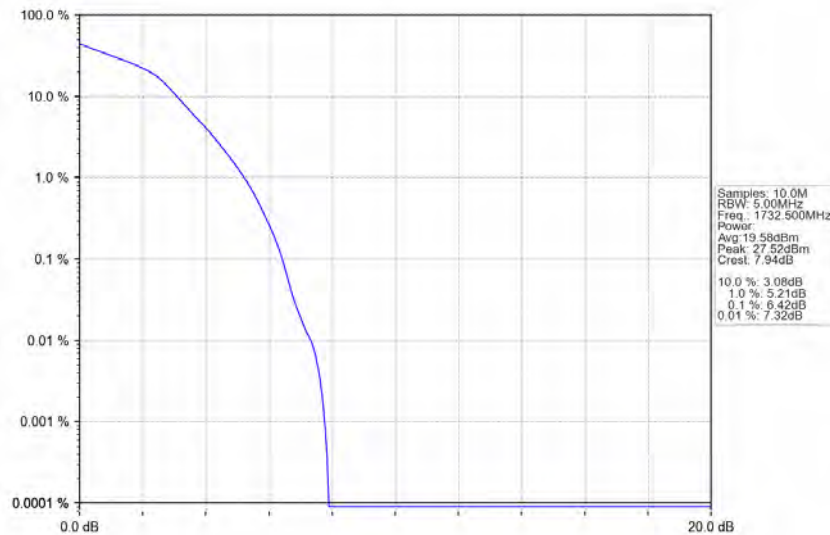
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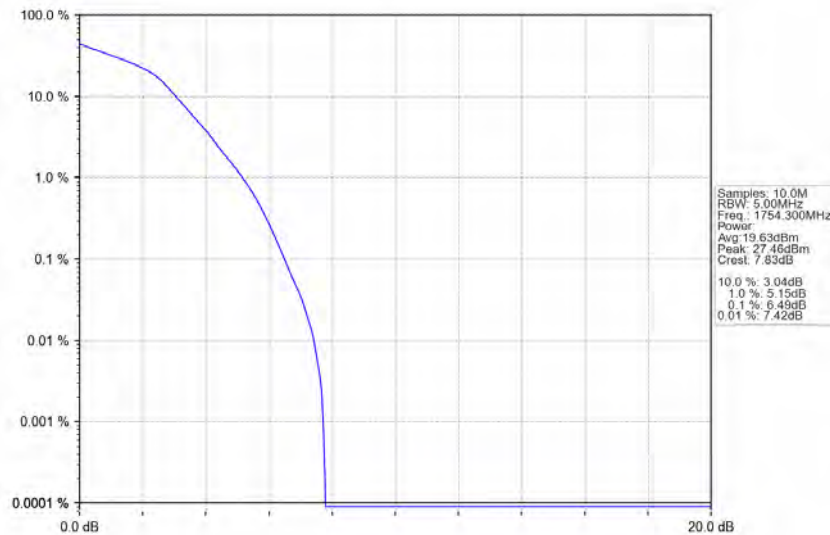
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Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



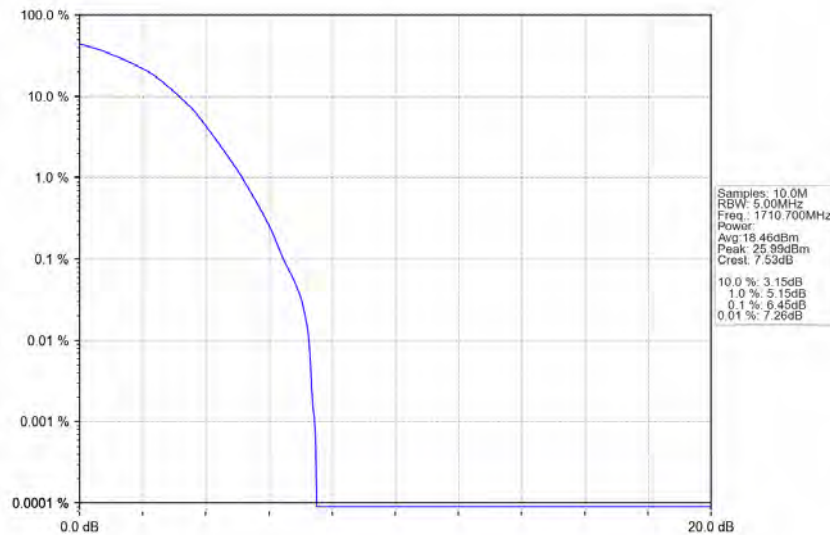
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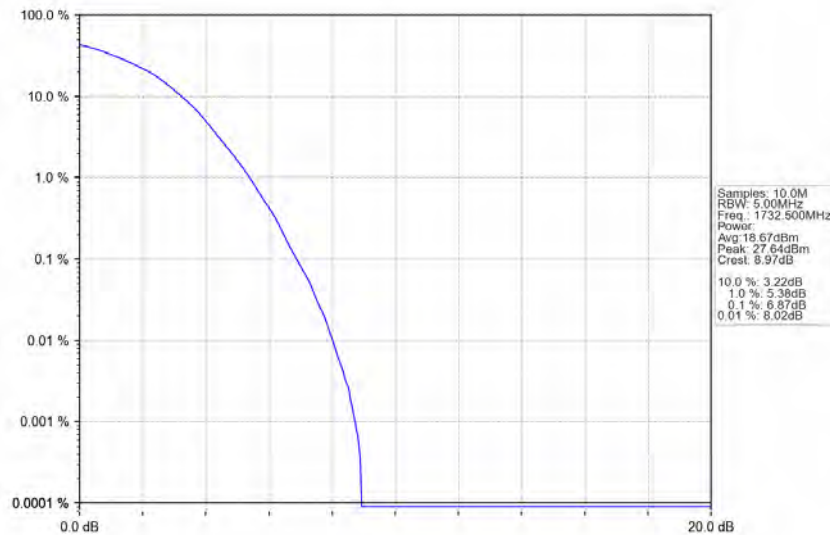
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Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_6_0_NTNV



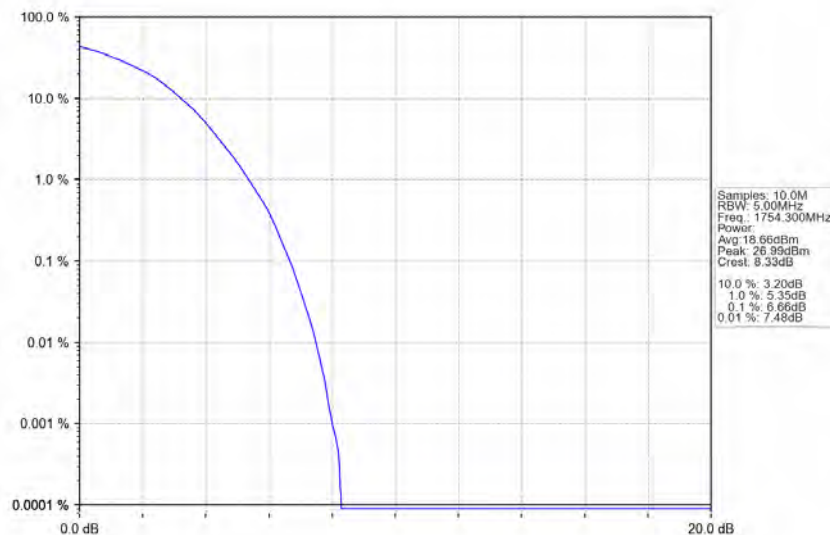
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5.2 B4_3MHz

5.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.63	<=13	Pass
	1732.5	15	0	5.61	<=13	Pass
	1753.5	15	0	5.74	<=13	Pass
16QAM	1711.5	15	0	6.46	<=13	Pass
	1732.5	15	0	6.48	<=13	Pass
	1753.5	15	0	6.57	<=13	Pass
64QAM	1711.5	15	0	6.77	<=13	Pass
	1732.5	15	0	6.71	<=13	Pass
	1753.5	15	0	6.74	<=13	Pass



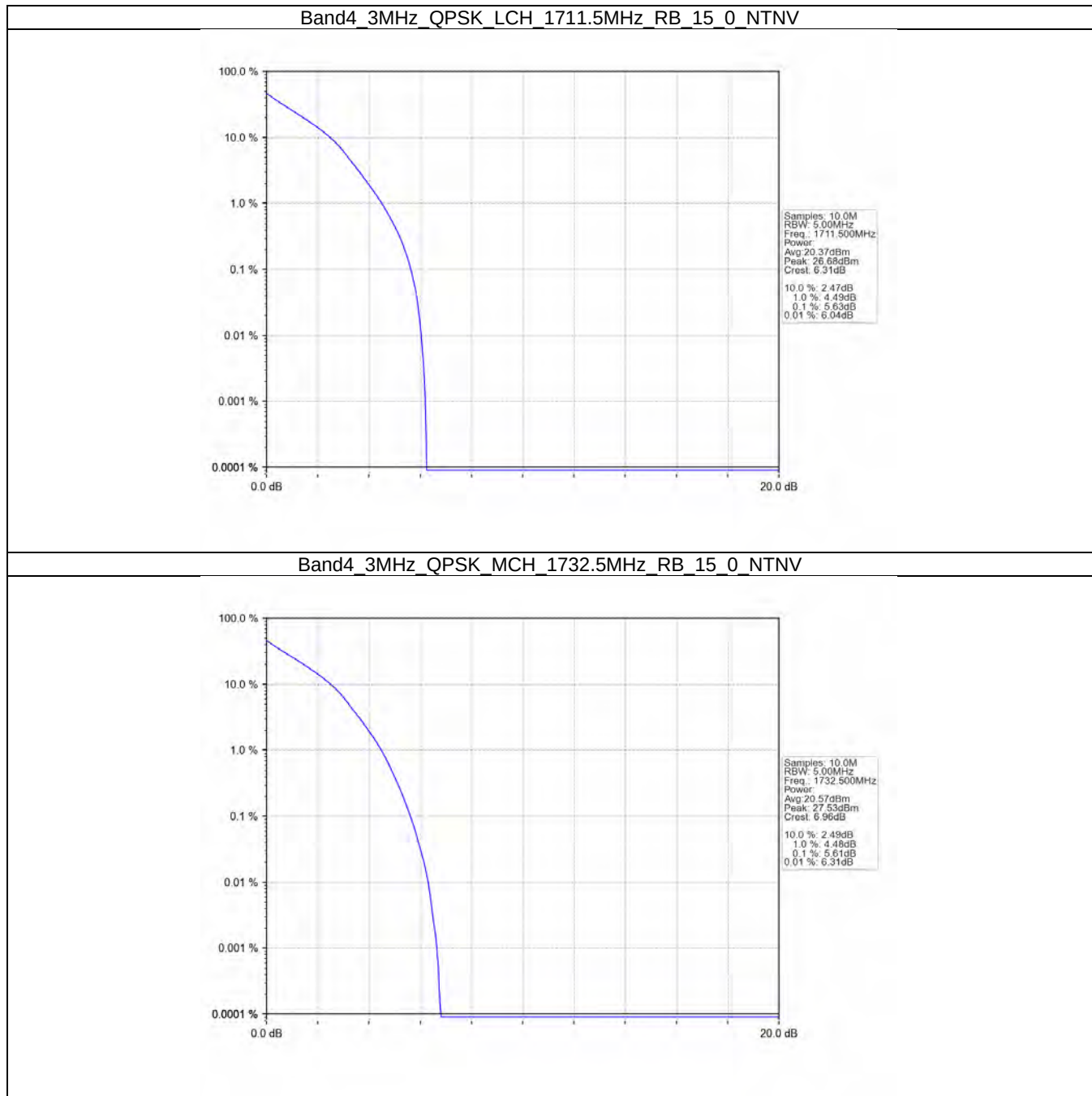
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5.2.2 Test Graph



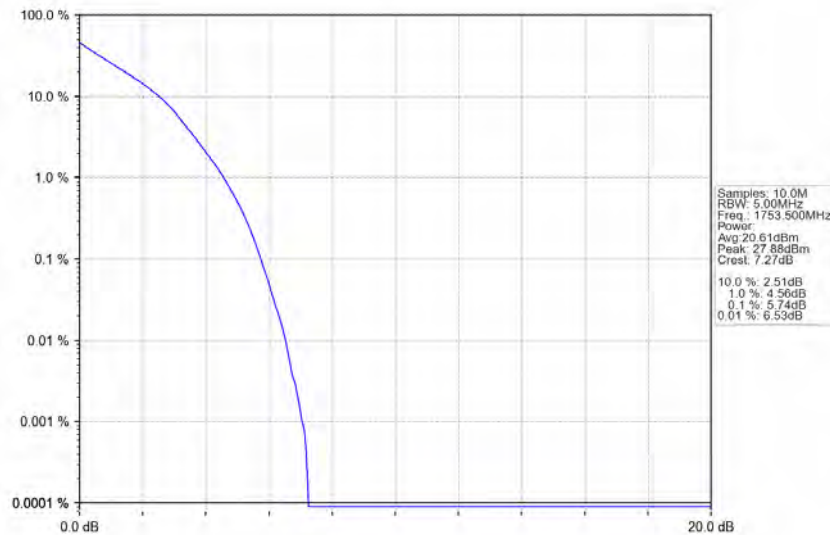
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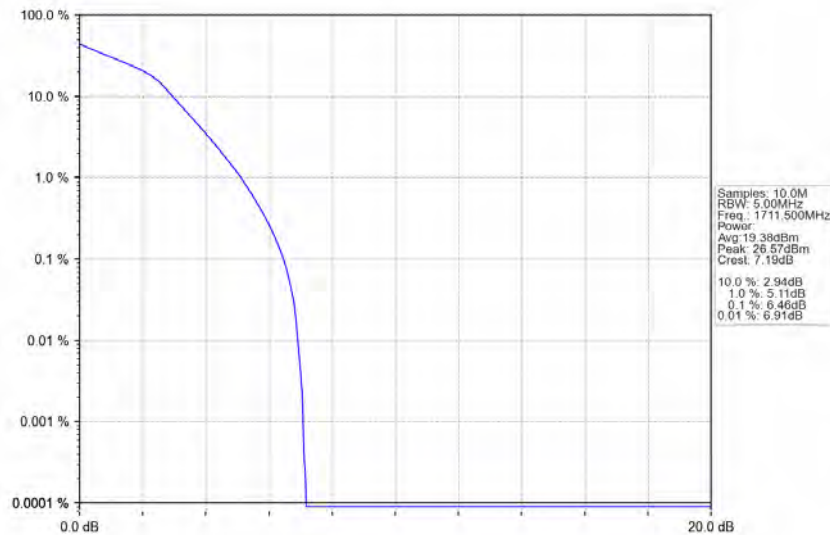
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Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



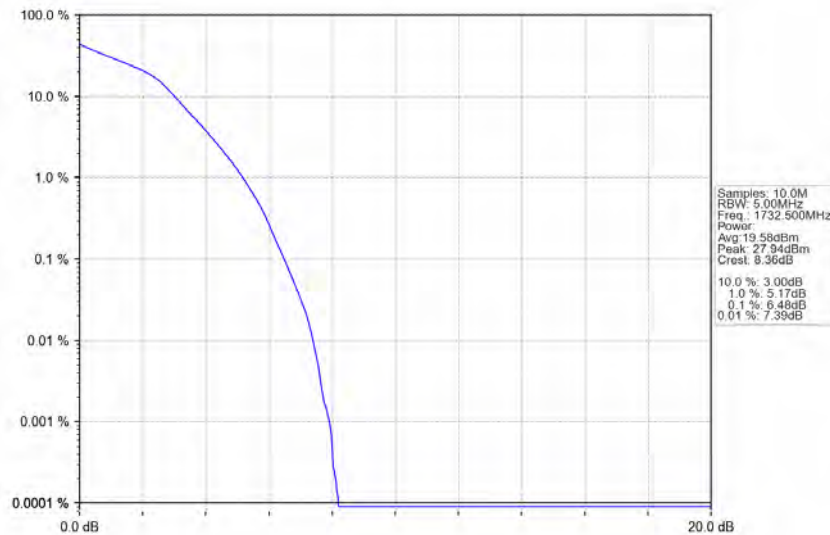
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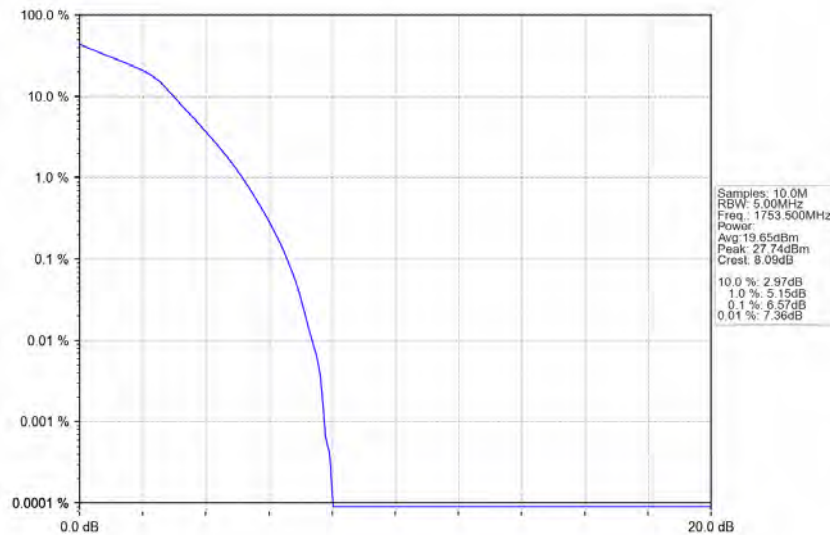
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Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



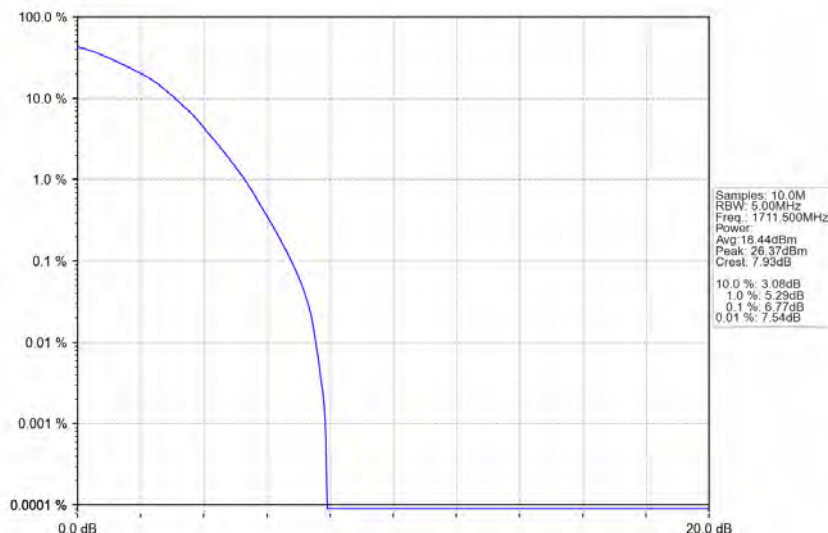
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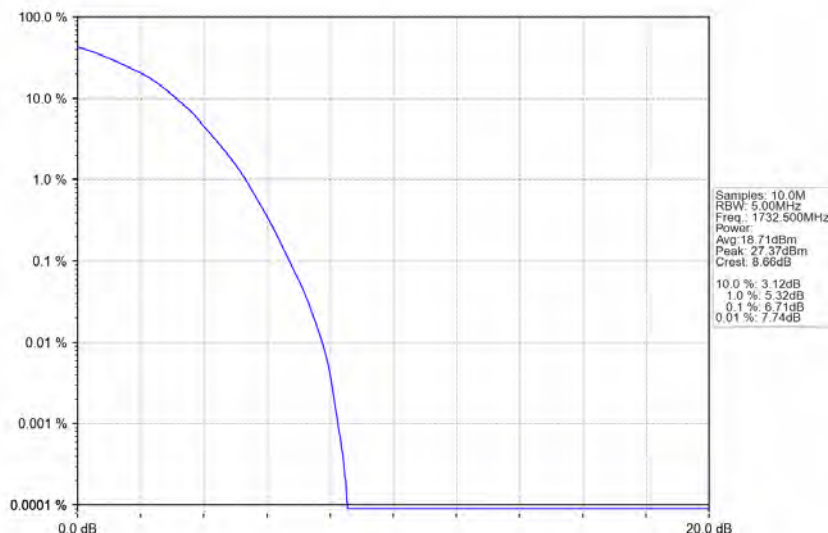
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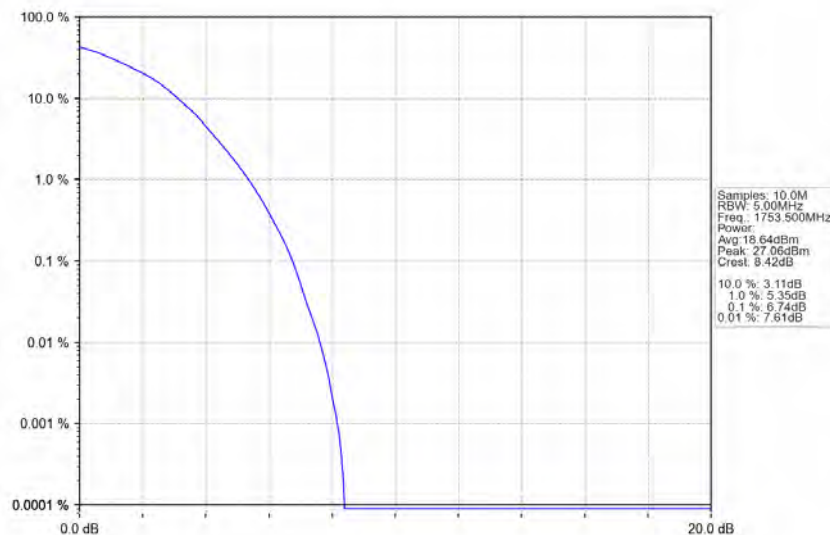
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5.3 B4_5MHz

5.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.76	<=13	Pass
	1732.5	25	0	5.80	<=13	Pass
	1752.5	25	0	5.77	<=13	Pass
16QAM	1712.5	25	0	6.47	<=13	Pass
	1732.5	25	0	6.52	<=13	Pass
	1752.5	25	0	6.52	<=13	Pass
64QAM	1712.5	25	0	6.71	<=13	Pass
	1732.5	25	0	6.69	<=13	Pass
	1752.5	25	0	6.75	<=13	Pass



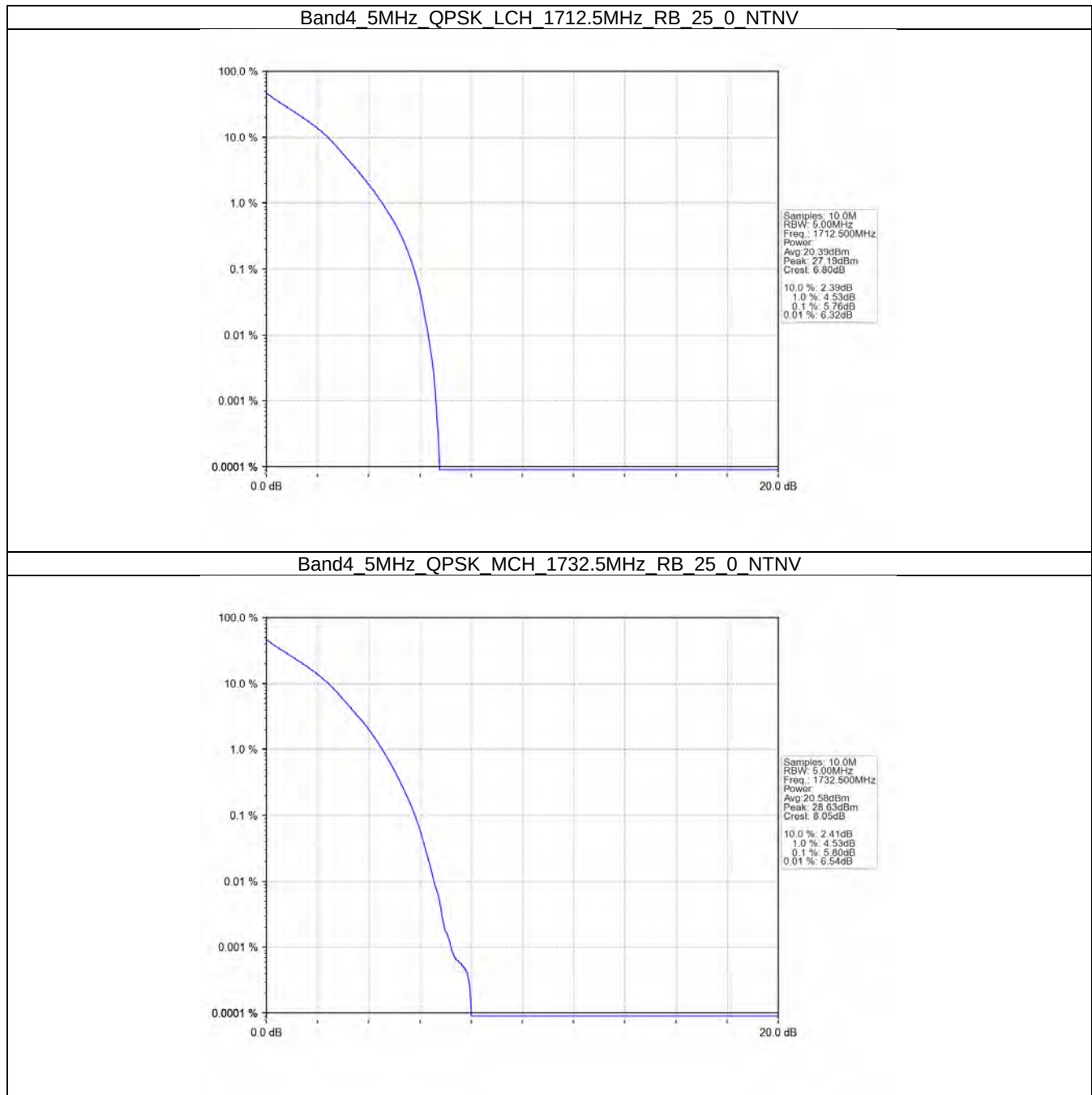
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5.3.2 Test Graph



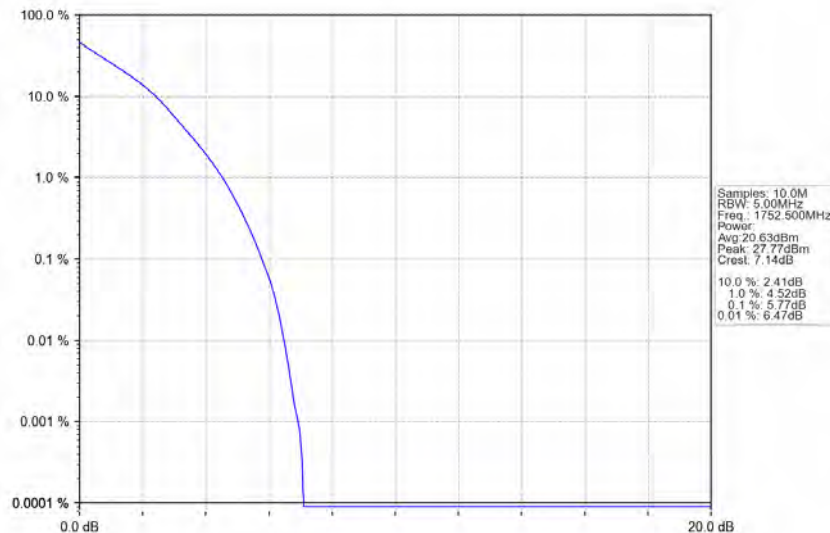
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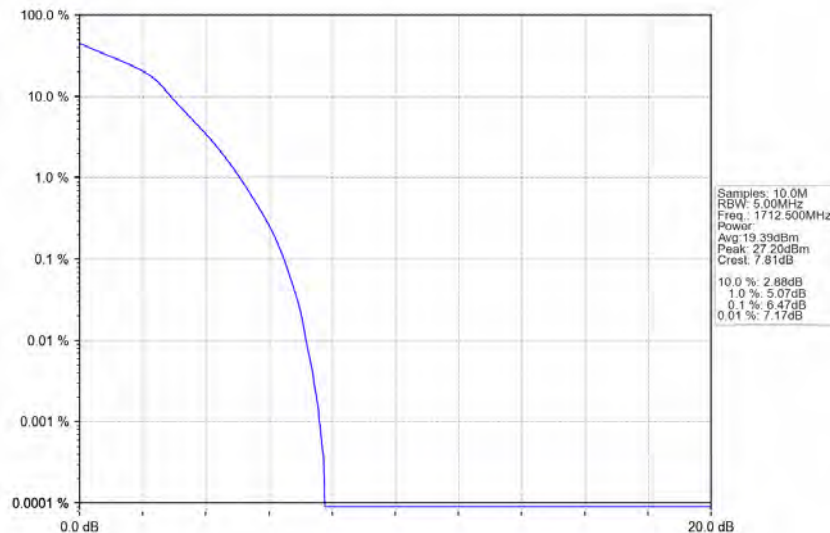
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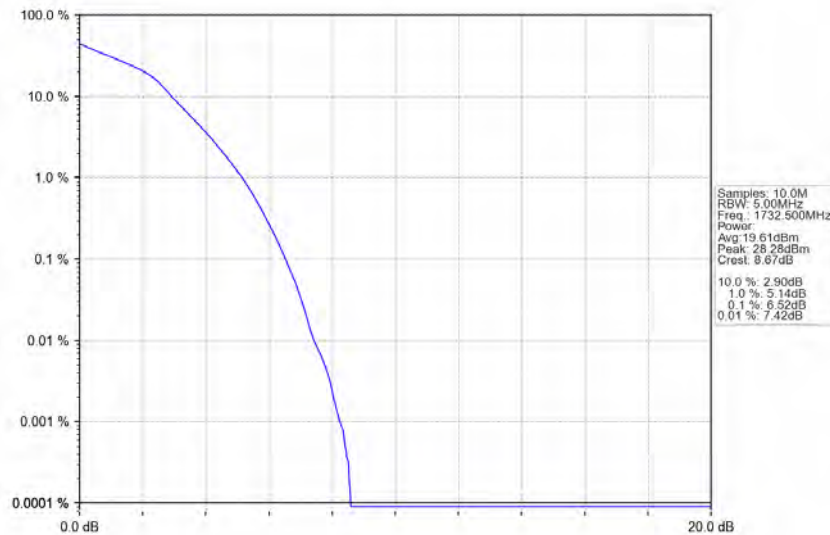
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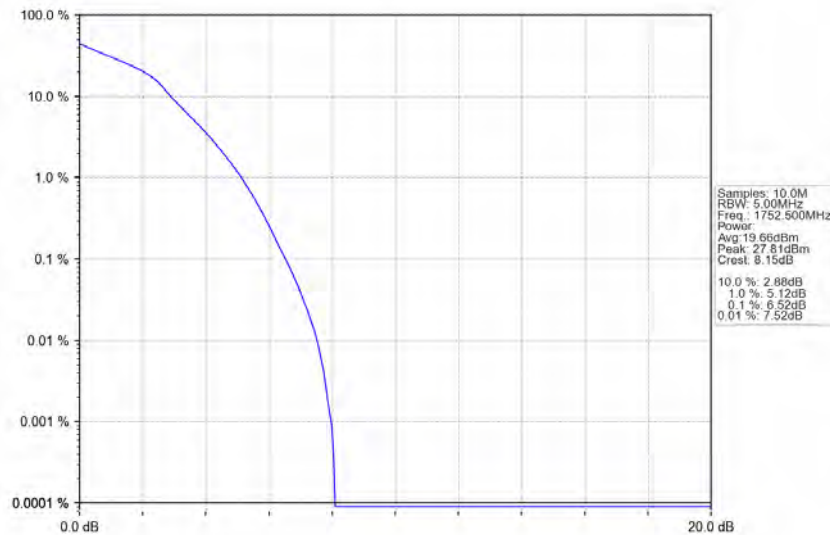
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Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



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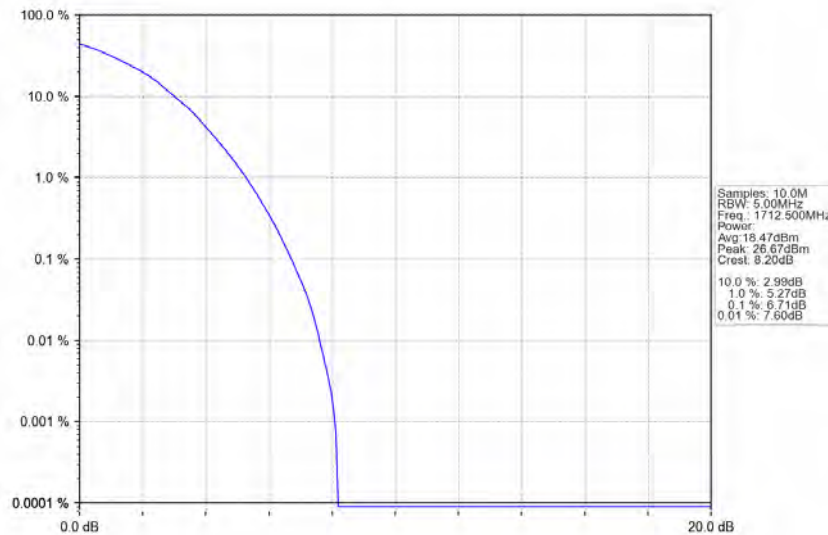
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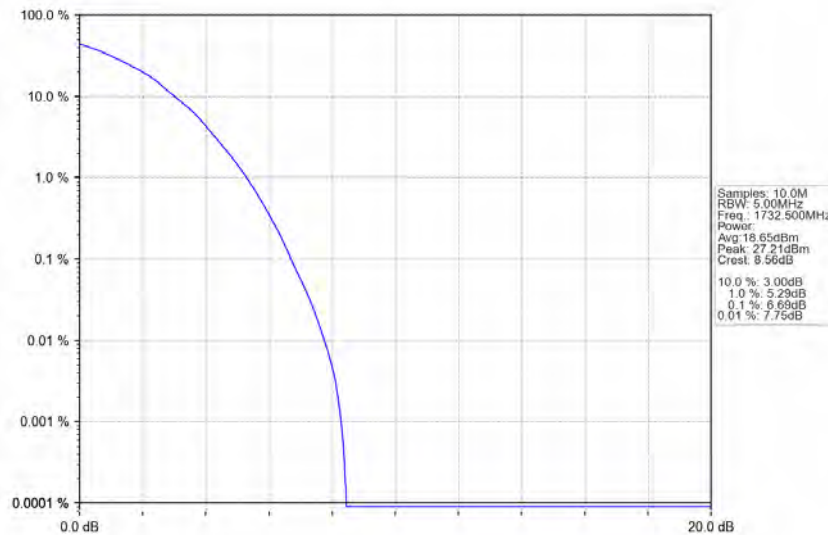
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Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV



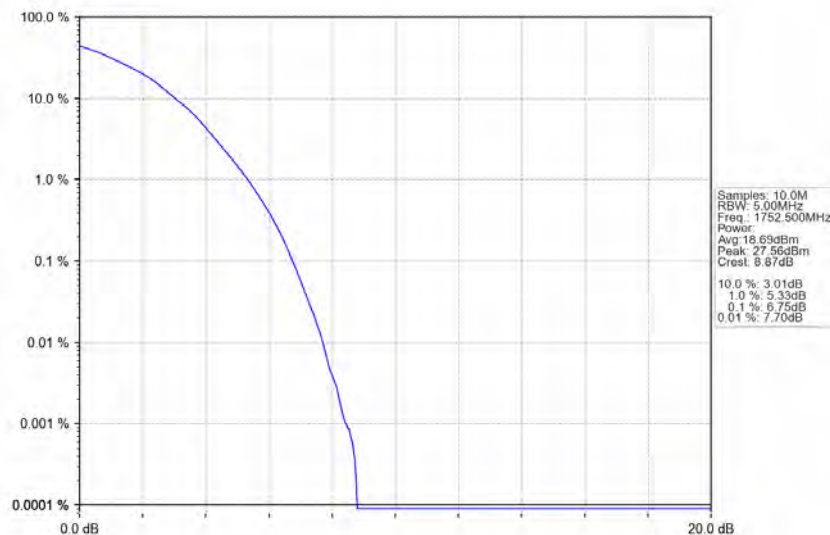
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No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn
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Band4_5MHz_64QAM_HCH_1752.5MHz_RB_25_0_NTNV



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