

Appendix F for KSCR221000185708AT-LTE Band 4

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	22.53	-1.70	20.83	<=30	Pass
			2	22.62	-1.70	20.92	<=30	Pass
			5	22.54	-1.70	20.84	<=30	Pass
		3	0	22.62	-1.70	20.92	<=30	Pass
			2	22.68	-1.70	20.98	<=30	Pass
			3	22.64	-1.70	20.94	<=30	Pass
		6	0	21.63	-1.70	19.93	<=30	Pass
	1732.5	1	0	22.84	-1.70	21.14	<=30	Pass
			2	22.94	-1.70	21.24	<=30	Pass
			5	22.85	-1.70	21.15	<=30	Pass
		3	0	22.92	-1.70	21.22	<=30	Pass
			2	22.98	-1.70	21.28	<=30	Pass
			3	22.92	-1.70	21.22	<=30	Pass
		6	0	21.95	-1.70	20.25	<=30	Pass
	1754.3	1	0	22.59	-1.70	20.89	<=30	Pass
			2	22.73	-1.70	21.03	<=30	Pass
			5	22.60	-1.70	20.90	<=30	Pass
		3	0	22.67	-1.70	20.97	<=30	Pass
			2	22.64	-1.70	20.94	<=30	Pass
			3	22.68	-1.70	20.98	<=30	Pass
		6	0	21.68	-1.70	19.98	<=30	Pass
16QAM	1710.7	1	0	21.50	-1.70	19.80	<=30	Pass
			2	21.61	-1.70	19.91	<=30	Pass
			5	21.53	-1.70	19.83	<=30	Pass
		3	0	21.78	-1.70	20.08	<=30	Pass
			2	21.84	-1.70	20.14	<=30	Pass
			3	21.81	-1.70	20.11	<=30	Pass
		6	0	20.64	-1.70	18.94	<=30	Pass
	1732.5	1	0	22.02	-1.70	20.32	<=30	Pass
			2	22.15	-1.70	20.45	<=30	Pass
			5	22.02	-1.70	20.32	<=30	Pass
		3	0	21.91	-1.70	20.21	<=30	Pass
			2	21.93	-1.70	20.23	<=30	Pass
			3	21.94	-1.70	20.24	<=30	Pass
		6	0	20.97	-1.70	19.27	<=30	Pass
	1754.3	1	0	21.58	-1.70	19.88	<=30	Pass
			2	21.65	-1.70	19.95	<=30	Pass
			5	21.54	-1.70	19.84	<=30	Pass

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		3	0	21.65	-1.70	19.95	<=30	Pass
			2	21.59	-1.70	19.89	<=30	Pass
			3	21.52	-1.70	19.82	<=30	Pass
		6	0	20.59	-1.70	18.89	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.2 B4_3MHz_EIRP

1.2.1 Test Result

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	22.58	-1.70	20.88	<=30	Pass
			7	22.68	-1.70	20.98	<=30	Pass
			14	22.56	-1.70	20.86	<=30	Pass
		8	0	21.57	-1.70	19.87	<=30	Pass
			4	21.62	-1.70	19.92	<=30	Pass
			7	21.59	-1.70	19.89	<=30	Pass
		15	0	21.57	-1.70	19.87	<=30	Pass
	1732.5	1	0	22.89	-1.70	21.19	<=30	Pass
			7	23.02	-1.70	21.32	<=30	Pass
			14	22.75	-1.70	21.05	<=30	Pass
		8	0	21.93	-1.70	20.23	<=30	Pass
			4	21.95	-1.70	20.25	<=30	Pass
			7	21.89	-1.70	20.19	<=30	Pass
		15	0	21.89	-1.70	20.19	<=30	Pass
	1753.5	1	0	22.64	-1.70	20.94	<=30	Pass
			7	22.79	-1.70	21.09	<=30	Pass
			14	22.62	-1.70	20.92	<=30	Pass
		8	0	21.65	-1.70	19.95	<=30	Pass
			4	21.67	-1.70	19.97	<=30	Pass
			7	21.63	-1.70	19.93	<=30	Pass
		15	0	21.61	-1.70	19.91	<=30	Pass
16QAM	1711.5	1	0	22.08	-1.70	20.38	<=30	Pass
			7	22.23	-1.70	20.53	<=30	Pass
			14	22.09	-1.70	20.39	<=30	Pass
		8	0	20.74	-1.70	19.04	<=30	Pass
			4	20.80	-1.70	19.10	<=30	Pass
			7	20.78	-1.70	19.08	<=30	Pass
		15	0	20.65	-1.70	18.95	<=30	Pass
	1732.5	1	0	22.01	-1.70	20.31	<=30	Pass
			7	22.18	-1.70	20.48	<=30	Pass
			14	21.99	-1.70	20.29	<=30	Pass
		8	0	20.92	-1.70	19.22	<=30	Pass
			4	20.96	-1.70	19.26	<=30	Pass
			7	20.88	-1.70	19.18	<=30	Pass
		15	0	20.90	-1.70	19.20	<=30	Pass
	1753.5	1	0	21.62	-1.70	19.92	<=30	Pass



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		8	7	21.80	-1.70	20.10	<=30	Pass
			14	21.58	-1.70	19.88	<=30	Pass
			0	20.71	-1.70	19.01	<=30	Pass
			4	20.76	-1.70	19.06	<=30	Pass
			7	20.70	-1.70	19.00	<=30	Pass
		15	0	20.69	-1.70	18.99	<=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	22.45	-1.70	20.75	<=30	Pass
			13	22.63	-1.70	20.93	<=30	Pass
			24	22.54	-1.70	20.84	<=30	Pass
		12	0	21.55	-1.70	19.85	<=30	Pass
			6	21.63	-1.70	19.93	<=30	Pass
			13	21.55	-1.70	19.85	<=30	Pass
		25	0	21.56	-1.70	19.86	<=30	Pass
			0	22.81	-1.70	21.11	<=30	Pass
			13	22.93	-1.70	21.23	<=30	Pass
	1732.5	1	24	22.68	-1.70	20.98	<=30	Pass
			0	21.81	-1.70	20.11	<=30	Pass
			6	21.89	-1.70	20.19	<=30	Pass
		12	13	21.80	-1.70	20.10	<=30	Pass
			0	21.83	-1.70	20.13	<=30	Pass
			0	22.49	-1.70	20.79	<=30	Pass
		1	13	22.57	-1.70	20.87	<=30	Pass
			24	22.50	-1.70	20.80	<=30	Pass
			0	21.53	-1.70	19.83	<=30	Pass
	1752.5	12	6	21.66	-1.70	19.96	<=30	Pass
			13	21.63	-1.70	19.93	<=30	Pass
			0	21.58	-1.70	19.88	<=30	Pass
16QAM	1712.5	1	0	21.30	-1.70	19.60	<=30	Pass
			13	21.47	-1.70	19.77	<=30	Pass
			24	21.38	-1.70	19.68	<=30	Pass
		12	0	20.53	-1.70	18.83	<=30	Pass
			6	20.63	-1.70	18.93	<=30	Pass
			13	20.53	-1.70	18.83	<=30	Pass
		25	0	20.60	-1.70	18.90	<=30	Pass
			0	22.00	-1.70	20.30	<=30	Pass
			13	22.15	-1.70	20.45	<=30	Pass
	1732.5	1	24	21.89	-1.70	20.19	<=30	Pass
			0	20.84	-1.70	19.14	<=30	Pass
			6	20.98	-1.70	19.28	<=30	Pass
		12	13	20.87	-1.70	19.17	<=30	Pass



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		25	0	20.88	-1.70	19.18	<=30	Pass
	1752.5	1	0	21.45	-1.70	19.75	<=30	Pass
			13	21.43	-1.70	19.73	<=30	Pass
			24	21.40	-1.70	19.70	<=30	Pass
			0	20.48	-1.70	18.78	<=30	Pass
		12	6	20.60	-1.70	18.90	<=30	Pass
			13	20.57	-1.70	18.87	<=30	Pass
		25	0	20.53	-1.70	18.83	<=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	22.57	-1.70	20.87	<=30	Pass
			25	22.83	-1.70	21.13	<=30	Pass
			49	22.76	-1.70	21.06	<=30	Pass
		25	0	21.69	-1.70	19.99	<=30	Pass
			13	21.69	-1.70	19.99	<=30	Pass
			25	21.76	-1.70	20.06	<=30	Pass
		50	0	21.70	-1.70	20.00	<=30	Pass
	1732.5	1	0	22.88	-1.70	21.18	<=30	Pass
			25	23.01	-1.70	21.31	<=30	Pass
			49	22.72	-1.70	21.02	<=30	Pass
		25	0	21.87	-1.70	20.17	<=30	Pass
			13	21.92	-1.70	20.22	<=30	Pass
			25	21.87	-1.70	20.17	<=30	Pass
		50	0	21.86	-1.70	20.16	<=30	Pass
	1750	1	0	22.69	-1.70	20.99	<=30	Pass
			25	22.71	-1.70	21.01	<=30	Pass
			49	22.52	-1.70	20.82	<=30	Pass
		25	0	21.63	-1.70	19.93	<=30	Pass
			13	21.61	-1.70	19.91	<=30	Pass
			25	21.53	-1.70	19.83	<=30	Pass
		50	0	21.60	-1.70	19.90	<=30	Pass
16QAM	1715	1	0	22.06	-1.70	20.36	<=30	Pass
			25	22.36	-1.70	20.66	<=30	Pass
			49	22.31	-1.70	20.61	<=30	Pass
		25	0	20.80	-1.70	19.10	<=30	Pass
			13	20.87	-1.70	19.17	<=30	Pass
			25	20.83	-1.70	19.13	<=30	Pass
		50	0	20.74	-1.70	19.04	<=30	Pass
	1732.5	1	0	21.87	-1.70	20.17	<=30	Pass
			25	22.13	-1.70	20.43	<=30	Pass
			49	21.75	-1.70	20.05	<=30	Pass
		25	0	20.91	-1.70	19.21	<=30	Pass
			0	20.91	-1.70	19.21	<=30	Pass

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	50	13	20.94	-1.70	19.24	<=30	Pass
		25	20.91	-1.70	19.21	<=30	Pass
		0	20.91	-1.70	19.21	<=30	Pass
	1	0	21.35	-1.70	19.65	<=30	Pass
		25	21.75	-1.70	20.05	<=30	Pass
		49	21.35	-1.70	19.65	<=30	Pass
		0	20.76	-1.70	19.06	<=30	Pass
		13	20.81	-1.70	19.11	<=30	Pass
		25	20.79	-1.70	19.09	<=30	Pass
	50	0	20.69	-1.70	18.99	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.5 B4_15MHz_EIRP

1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	22.46	-1.70	20.76	<=30	Pass
			38	22.75	-1.70	21.05	<=30	Pass
			74	22.75	-1.70	21.05	<=30	Pass
		36	0	21.74	-1.70	20.04	<=30	Pass
			18	21.81	-1.70	20.11	<=30	Pass
			39	21.94	-1.70	20.24	<=30	Pass
		75	0	21.83	-1.70	20.13	<=30	Pass
	1732.5	1	0	22.75	-1.70	21.05	<=30	Pass
			38	22.91	-1.70	21.21	<=30	Pass
			74	22.53	-1.70	20.83	<=30	Pass
		36	0	21.88	-1.70	20.18	<=30	Pass
			18	21.97	-1.70	20.27	<=30	Pass
			39	21.91	-1.70	20.21	<=30	Pass
		75	0	21.88	-1.70	20.18	<=30	Pass
	1747.5	1	0	22.64	-1.70	20.94	<=30	Pass
			38	22.63	-1.70	20.93	<=30	Pass
			74	22.46	-1.70	20.76	<=30	Pass
		36	0	21.72	-1.70	20.02	<=30	Pass
			18	21.74	-1.70	20.04	<=30	Pass
			39	21.67	-1.70	19.97	<=30	Pass
		75	0	21.75	-1.70	20.05	<=30	Pass
16QAM	1717.5	1	0	21.98	-1.70	20.28	<=30	Pass
			38	22.29	-1.70	20.59	<=30	Pass
			74	22.32	-1.70	20.62	<=30	Pass
		36	0	20.72	-1.70	19.02	<=30	Pass
			18	20.83	-1.70	19.13	<=30	Pass
			39	20.97	-1.70	19.27	<=30	Pass
		75	0	20.86	-1.70	19.16	<=30	Pass
	1732.5	1	0	21.79	-1.70	20.09	<=30	Pass
			38	21.77	-1.70	20.07	<=30	Pass

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		36	74	21.64	-1.70	19.94	<=30	Pass
			0	20.83	-1.70	19.13	<=30	Pass
			18	20.95	-1.70	19.25	<=30	Pass
			39	20.86	-1.70	19.16	<=30	Pass
	1747.5	75	0	20.93	-1.70	19.23	<=30	Pass
			0	21.96	-1.70	20.26	<=30	Pass
			38	21.88	-1.70	20.18	<=30	Pass
		36	74	21.78	-1.70	20.08	<=30	Pass
			0	20.76	-1.70	19.06	<=30	Pass
			18	20.69	-1.70	18.99	<=30	Pass
			39	20.65	-1.70	18.95	<=30	Pass
		75	0	20.72	-1.70	19.02	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.6 B4_20MHz_EIRP

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	22.30	-1.70	20.60	<=30	Pass
			50	22.98	-1.70	21.28	<=30	Pass
			99	22.59	-1.70	20.89	<=30	Pass
		50	0	21.74	-1.70	20.04	<=30	Pass
			25	21.84	-1.70	20.14	<=30	Pass
			50	22.00	-1.70	20.30	<=30	Pass
		100	0	21.88	-1.70	20.18	<=30	Pass
	1732.5	1	0	22.29	-1.70	20.59	<=30	Pass
			50	22.80	-1.70	21.10	<=30	Pass
			99	22.29	-1.70	20.59	<=30	Pass
		50	0	21.78	-1.70	20.08	<=30	Pass
			25	21.84	-1.70	20.14	<=30	Pass
			50	21.78	-1.70	20.08	<=30	Pass
		100	0	21.82	-1.70	20.12	<=30	Pass
	1745	1	0	22.45	-1.70	20.75	<=30	Pass
			50	22.71	-1.70	21.01	<=30	Pass
			99	22.01	-1.70	20.31	<=30	Pass
		50	0	21.79	-1.70	20.09	<=30	Pass
			25	21.66	-1.70	19.96	<=30	Pass
			50	21.54	-1.70	19.84	<=30	Pass
		100	0	21.59	-1.70	19.89	<=30	Pass
16QAM	1720	1	0	21.56	-1.70	19.86	<=30	Pass
			50	22.25	-1.70	20.55	<=30	Pass
			99	21.87	-1.70	20.17	<=30	Pass
		50	0	20.81	-1.70	19.11	<=30	Pass
			25	20.89	-1.70	19.19	<=30	Pass
			50	21.03	-1.70	19.33	<=30	Pass
		100	0	20.93	-1.70	19.23	<=30	Pass

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	1732.5	1	0	21.47	-1.70	19.77	<=30	Pass
			50	21.91	-1.70	20.21	<=30	Pass
			99	21.50	-1.70	19.80	<=30	Pass
		50	0	20.72	-1.70	19.02	<=30	Pass
			25	20.79	-1.70	19.09	<=30	Pass
			50	20.77	-1.70	19.07	<=30	Pass
		100	0	20.85	-1.70	19.15	<=30	Pass
	1745	1	0	21.60	-1.70	19.90	<=30	Pass
			50	22.02	-1.70	20.32	<=30	Pass
			99	21.52	-1.70	19.82	<=30	Pass
		50	0	20.87	-1.70	19.17	<=30	Pass
			25	20.74	-1.70	19.04	<=30	Pass
			50	20.58	-1.70	18.88	<=30	Pass
		100	0	20.74	-1.70	19.04	<=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	3.23	-11.704	-0.0068	-2.5 to 2.5	Pass
					3.80	-3.836	-0.0022	-2.5 to 2.5	Pass
					4.37	1.334	0.0008	-2.5 to 2.5	Pass
				-30	3.80	7.791	0.0046	-2.5 to 2.5	Pass
					3.80	-7.448	-0.0044	-2.5 to 2.5	Pass
					3.80	4.493	0.0026	-2.5 to 2.5	Pass
				0	3.80	0.139	0.0001	-2.5 to 2.5	Pass
					3.80	4.477	0.0026	-2.5 to 2.5	Pass
					3.80	-5.888	-0.0034	-2.5 to 2.5	Pass
				40	3.80	-4.756	-0.0028	-2.5 to 2.5	Pass
					3.80	-3.124	-0.0018	-2.5 to 2.5	Pass
					3.80	-0.188	-0.0001	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.80	-2.806	-0.0016	-2.5 to 2.5	Pass
					4.37	-14.095	-0.0081	-2.5 to 2.5	Pass
					3.80	-5.186	-0.0030	-2.5 to 2.5	Pass
				-30	3.80	-8.611	-0.0050	-2.5 to 2.5	Pass
					3.80	1.819	0.0010	-2.5 to 2.5	Pass
					3.80	-12.102	-0.0070	-2.5 to 2.5	Pass
				0	3.80	-11.376	-0.0066	-2.5 to 2.5	Pass
					3.80	-9.131	-0.0053	-2.5 to 2.5	Pass
					3.80	0.186	0.0001	-2.5 to 2.5	Pass
				40	3.80	-8.634	-0.0050	-2.5 to 2.5	Pass
					3.80	-1.716	-0.0010	-2.5 to 2.5	Pass
					3.80	-1.716	-0.0010	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.23	-1.716	-0.0010	-2.5 to 2.5	Pass



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					3.80	-2.711	-0.0015	-2.5 to 2.5	Pass
					4.37	-5.640	-0.0032	-2.5 to 2.5	Pass
				-30	3.80	-0.139	-0.0001	-2.5 to 2.5	Pass
				-20	3.80	-3.940	-0.0022	-2.5 to 2.5	Pass
				-10	3.80	-11.687	-0.0067	-2.5 to 2.5	Pass
				0	3.80	-5.940	-0.0034	-2.5 to 2.5	Pass
				10	3.80	-7.377	-0.0042	-2.5 to 2.5	Pass
				30	3.80	-0.180	-0.0001	-2.5 to 2.5	Pass
				40	3.80	-3.504	-0.0020	-2.5 to 2.5	Pass
				50	3.80	-4.366	-0.0025	-2.5 to 2.5	Pass
16QAM	1710.7	6	0		3.23	-2.507	-0.0015	-2.5 to 2.5	Pass
					3.80	-2.982	-0.0017	-2.5 to 2.5	Pass
					4.37	3.014	0.0018	-2.5 to 2.5	Pass
				-30	3.80	-6.979	-0.0041	-2.5 to 2.5	Pass
				-20	3.80	-7.101	-0.0042	-2.5 to 2.5	Pass
				-10	3.80	0.253	0.0001	-2.5 to 2.5	Pass
				0	3.80	-0.349	-0.0002	-2.5 to 2.5	Pass
				10	3.80	-5.562	-0.0033	-2.5 to 2.5	Pass
				30	3.80	-10.847	-0.0063	-2.5 to 2.5	Pass
				40	3.80	-3.701	-0.0022	-2.5 to 2.5	Pass
				50	3.80	-5.216	-0.0030	-2.5 to 2.5	Pass
	1732.5	6	0		3.23	-1.128	-0.0007	-2.5 to 2.5	Pass
					3.80	0.331	0.0002	-2.5 to 2.5	Pass
					4.37	-0.163	-0.0001	-2.5 to 2.5	Pass
				-30	3.80	-14.336	-0.0083	-2.5 to 2.5	Pass
				-20	3.80	-4.689	-0.0027	-2.5 to 2.5	Pass
				-10	3.80	-0.069	0.0000	-2.5 to 2.5	Pass
				0	3.80	-3.932	-0.0023	-2.5 to 2.5	Pass
				10	3.80	-5.229	-0.0030	-2.5 to 2.5	Pass
				30	3.80	-6.655	-0.0038	-2.5 to 2.5	Pass
				40	3.80	-4.457	-0.0026	-2.5 to 2.5	Pass
				50	3.80	-13.458	-0.0078	-2.5 to 2.5	Pass
	1754.3	6	0		3.23	-1.606	-0.0009	-2.5 to 2.5	Pass
					3.80	-7.291	-0.0042	-2.5 to 2.5	Pass
					4.37	-2.151	-0.0012	-2.5 to 2.5	Pass
				-30	3.80	-9.302	-0.0053	-2.5 to 2.5	Pass
				-20	3.80	-0.520	-0.0003	-2.5 to 2.5	Pass
				-10	3.80	-14.062	-0.0080	-2.5 to 2.5	Pass
				0	3.80	-0.247	-0.0001	-2.5 to 2.5	Pass
				10	3.80	-2.629	-0.0015	-2.5 to 2.5	Pass
				30	3.80	-8.167	-0.0047	-2.5 to 2.5	Pass
				40	3.80	-5.265	-0.0030	-2.5 to 2.5	Pass
				50	3.80	-9.722	-0.0055	-2.5 to 2.5	Pass

2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz



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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	1711.5	15	0	20	3.23	0.470	0.0003	-2.5 to 2.5	Pass
					3.80	3.795	0.0022	-2.5 to 2.5	Pass
					4.37	1.656	0.0010	-2.5 to 2.5	Pass
				-30	3.80	-7.656	-0.0045	-2.5 to 2.5	Pass
				-20	3.80	-6.634	-0.0039	-2.5 to 2.5	Pass
				-10	3.80	-7.210	-0.0042	-2.5 to 2.5	Pass
				0	3.80	-6.320	-0.0037	-2.5 to 2.5	Pass
				10	3.80	-5.897	-0.0034	-2.5 to 2.5	Pass
				30	3.80	-3.598	-0.0021	-2.5 to 2.5	Pass
				40	3.80	-9.161	-0.0054	-2.5 to 2.5	Pass
				50	3.80	-2.456	-0.0014	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.23	4.040	0.0023	-2.5 to 2.5	Pass
					3.80	-2.479	-0.0014	-2.5 to 2.5	Pass
					4.37	-13.390	-0.0077	-2.5 to 2.5	Pass
				-30	3.80	-8.384	-0.0048	-2.5 to 2.5	Pass
				-20	3.80	2.731	0.0016	-2.5 to 2.5	Pass
				-10	3.80	-9.783	-0.0056	-2.5 to 2.5	Pass
				0	3.80	-7.815	-0.0045	-2.5 to 2.5	Pass
				10	3.80	-2.031	-0.0012	-2.5 to 2.5	Pass
				30	3.80	-13.735	-0.0079	-2.5 to 2.5	Pass
				40	3.80	-8.082	-0.0047	-2.5 to 2.5	Pass
				50	3.80	-4.295	-0.0025	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.23	-5.880	-0.0034	-2.5 to 2.5	Pass
					3.80	-15.519	-0.0089	-2.5 to 2.5	Pass
					4.37	-9.523	-0.0054	-2.5 to 2.5	Pass
				-30	3.80	-7.796	-0.0044	-2.5 to 2.5	Pass
				-20	3.80	-10.160	-0.0058	-2.5 to 2.5	Pass
				-10	3.80	-9.413	-0.0054	-2.5 to 2.5	Pass
				0	3.80	1.541	0.0009	-2.5 to 2.5	Pass
				10	3.80	1.299	0.0007	-2.5 to 2.5	Pass
				30	3.80	-6.809	-0.0039	-2.5 to 2.5	Pass
				40	3.80	4.963	0.0028	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.23	-1.632	-0.0010	-2.5 to 2.5	Pass
					3.80	9.810	0.0057	-2.5 to 2.5	Pass
					4.37	-4.230	-0.0025	-2.5 to 2.5	Pass
				-30	3.80	8.544	0.0050	-2.5 to 2.5	Pass
				-20	3.80	1.985	0.0012	-2.5 to 2.5	Pass
				-10	3.80	-0.884	-0.0005	-2.5 to 2.5	Pass
				0	3.80	-7.991	-0.0047	-2.5 to 2.5	Pass
				10	3.80	2.965	0.0017	-2.5 to 2.5	Pass
				30	3.80	-3.275	-0.0019	-2.5 to 2.5	Pass
				40	3.80	-10.013	-0.0059	-2.5 to 2.5	Pass
				50	3.80	-4.959	-0.0029	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.23	-5.764	-0.0033	-2.5 to 2.5	Pass
					3.80	1.842	0.0011	-2.5 to 2.5	Pass
					4.37	-1.994	-0.0012	-2.5 to 2.5	Pass
				-30	3.80	-3.649	-0.0021	-2.5 to 2.5	Pass
				-20	3.80	-7.813	-0.0045	-2.5 to 2.5	Pass

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				-10	3.80	-7.010	-0.0040	-2.5 to 2.5	Pass
				0	3.80	-10.762	-0.0062	-2.5 to 2.5	Pass
				10	3.80	-2.984	-0.0017	-2.5 to 2.5	Pass
				30	3.80	3.100	0.0018	-2.5 to 2.5	Pass
				40	3.80	-9.318	-0.0054	-2.5 to 2.5	Pass
				50	3.80	0.767	0.0004	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.23	3.113	0.0018	-2.5 to 2.5	Pass
					3.80	-4.018	-0.0023	-2.5 to 2.5	Pass
					4.37	-2.783	-0.0016	-2.5 to 2.5	Pass
				-30	3.80	-15.186	-0.0087	-2.5 to 2.5	Pass
				-20	3.80	2.601	0.0015	-2.5 to 2.5	Pass
				-10	3.80	-10.721	-0.0061	-2.5 to 2.5	Pass
				0	3.80	-5.137	-0.0029	-2.5 to 2.5	Pass
				10	3.80	4.949	0.0028	-2.5 to 2.5	Pass
				30	3.80	0.483	0.0003	-2.5 to 2.5	Pass
				40	3.80	-12.119	-0.0069	-2.5 to 2.5	Pass
				50	3.80	-10.101	-0.0058	-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	3.23	1.243	0.0007	-2.5 to 2.5	Pass
					3.80	-3.458	-0.0020	-2.5 to 2.5	Pass
					4.37	-9.438	-0.0055	-2.5 to 2.5	Pass
				-30	3.80	3.352	0.0020	-2.5 to 2.5	Pass
				-20	3.80	-9.146	-0.0053	-2.5 to 2.5	Pass
				-10	3.80	-5.429	-0.0032	-2.5 to 2.5	Pass
				0	3.80	-5.935	-0.0035	-2.5 to 2.5	Pass
				10	3.80	-3.497	-0.0020	-2.5 to 2.5	Pass
				30	3.80	-10.227	-0.0060	-2.5 to 2.5	Pass
				40	3.80	-1.432	-0.0008	-2.5 to 2.5	Pass
				50	3.80	2.931	0.0017	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.23	-11.308	-0.0065	-2.5 to 2.5	Pass
					3.80	0.988	0.0006	-2.5 to 2.5	Pass
					4.37	-3.145	-0.0018	-2.5 to 2.5	Pass
				-30	3.80	-7.304	-0.0042	-2.5 to 2.5	Pass
				-20	3.80	1.430	0.0008	-2.5 to 2.5	Pass
				-10	3.80	1.395	0.0008	-2.5 to 2.5	Pass
				0	3.80	-11.428	-0.0066	-2.5 to 2.5	Pass
				10	3.80	0.333	0.0002	-2.5 to 2.5	Pass
				30	3.80	-7.236	-0.0042	-2.5 to 2.5	Pass
				40	3.80	-6.635	-0.0038	-2.5 to 2.5	Pass
				50	3.80	-7.898	-0.0046	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.23	-7.044	-0.0040	-2.5 to 2.5	Pass
					3.80	-7.138	-0.0041	-2.5 to 2.5	Pass



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16QAM	1712.5	25	0	-30	4.37	-6.765	-0.0039	-2.5 to 2.5	Pass
				-20	3.80	-11.740	-0.0067	-2.5 to 2.5	Pass
				-10	3.80	-2.779	-0.0016	-2.5 to 2.5	Pass
				0	3.80	-0.698	-0.0004	-2.5 to 2.5	Pass
				10	3.80	-8.879	-0.0051	-2.5 to 2.5	Pass
				30	3.80	-11.432	-0.0065	-2.5 to 2.5	Pass
				40	3.80	-9.437	-0.0054	-2.5 to 2.5	Pass
				50	3.80	-4.932	-0.0028	-2.5 to 2.5	Pass
				20	3.23	-3.704	-0.0022	-2.5 to 2.5	Pass
				20	3.80	3.298	0.0019	-2.5 to 2.5	Pass
				20	4.37	1.823	0.0011	-2.5 to 2.5	Pass
				-30	3.80	-11.684	-0.0068	-2.5 to 2.5	Pass
				-20	3.80	-1.628	-0.0010	-2.5 to 2.5	Pass
				-10	3.80	0.866	0.0005	-2.5 to 2.5	Pass
				0	3.80	-10.801	-0.0063	-2.5 to 2.5	Pass
				10	3.80	-6.555	-0.0038	-2.5 to 2.5	Pass
16QAM	1732.5	25	0	30	3.80	-4.899	-0.0029	-2.5 to 2.5	Pass
				40	3.80	3.786	0.0022	-2.5 to 2.5	Pass
				50	3.80	-3.589	-0.0021	-2.5 to 2.5	Pass
				20	3.23	1.824	0.0011	-2.5 to 2.5	Pass
				20	3.80	-4.254	-0.0025	-2.5 to 2.5	Pass
				20	4.37	-3.329	-0.0019	-2.5 to 2.5	Pass
				-30	3.80	-8.467	-0.0049	-2.5 to 2.5	Pass
				-20	3.80	2.887	0.0017	-2.5 to 2.5	Pass
				-10	3.80	-3.987	-0.0023	-2.5 to 2.5	Pass
				0	3.80	-3.529	-0.0020	-2.5 to 2.5	Pass
				10	3.80	-4.148	-0.0024	-2.5 to 2.5	Pass
				30	3.80	-3.752	-0.0022	-2.5 to 2.5	Pass
				40	3.80	-7.843	-0.0045	-2.5 to 2.5	Pass
				50	3.80	-4.078	-0.0024	-2.5 to 2.5	Pass
				20	3.23	4.804	0.0027	-2.5 to 2.5	Pass
				20	3.80	-12.339	-0.0070	-2.5 to 2.5	Pass
16QAM	1752.5	25	0	20	4.37	-2.857	-0.0016	-2.5 to 2.5	Pass
				-30	3.80	-5.578	-0.0032	-2.5 to 2.5	Pass
				-20	3.80	1.655	0.0009	-2.5 to 2.5	Pass
				-10	3.80	-2.274	-0.0013	-2.5 to 2.5	Pass
				0	3.80	-6.548	-0.0037	-2.5 to 2.5	Pass
				10	3.80	-12.711	-0.0073	-2.5 to 2.5	Pass
				30	3.80	2.429	0.0014	-2.5 to 2.5	Pass
				40	3.80	-13.499	-0.0077	-2.5 to 2.5	Pass
				50	3.80	-4.973	-0.0028	-2.5 to 2.5	Pass

2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict
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	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	1715	50	0	20	3.23	0.424	0.0002	-2.5 to 2.5	Pass
					3.80	-4.709	-0.0027	-2.5 to 2.5	Pass
					4.37	-9.890	-0.0058	-2.5 to 2.5	Pass
				-30	3.80	-5.503	-0.0032	-2.5 to 2.5	Pass
				-20	3.80	-10.665	-0.0062	-2.5 to 2.5	Pass
				-10	3.80	-8.238	-0.0048	-2.5 to 2.5	Pass
				0	3.80	-7.436	-0.0043	-2.5 to 2.5	Pass
				10	3.80	-8.395	-0.0049	-2.5 to 2.5	Pass
				30	3.80	-8.585	-0.0050	-2.5 to 2.5	Pass
				40	3.80	-5.772	-0.0034	-2.5 to 2.5	Pass
				50	3.80	-7.805	-0.0046	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.23	-9.590	-0.0055	-2.5 to 2.5	Pass
					3.80	-3.415	-0.0020	-2.5 to 2.5	Pass
					4.37	2.129	0.0012	-2.5 to 2.5	Pass
				-30	3.80	-8.188	-0.0047	-2.5 to 2.5	Pass
				-20	3.80	-10.738	-0.0062	-2.5 to 2.5	Pass
				-10	3.80	-6.151	-0.0036	-2.5 to 2.5	Pass
				0	3.80	-3.480	-0.0020	-2.5 to 2.5	Pass
				10	3.80	-6.453	-0.0037	-2.5 to 2.5	Pass
				30	3.80	-9.598	-0.0055	-2.5 to 2.5	Pass
				40	3.80	-7.909	-0.0046	-2.5 to 2.5	Pass
				50	3.80	2.576	0.0015	-2.5 to 2.5	Pass
	1750	50	0	20	3.23	-5.366	-0.0031	-2.5 to 2.5	Pass
					3.80	-3.446	-0.0020	-2.5 to 2.5	Pass
					4.37	-9.937	-0.0057	-2.5 to 2.5	Pass
				-30	3.80	-10.774	-0.0062	-2.5 to 2.5	Pass
				-20	3.80	-10.513	-0.0060	-2.5 to 2.5	Pass
				-10	3.80	-8.320	-0.0048	-2.5 to 2.5	Pass
				0	3.80	-9.799	-0.0056	-2.5 to 2.5	Pass
				10	3.80	-10.631	-0.0061	-2.5 to 2.5	Pass
				30	3.80	-3.745	-0.0021	-2.5 to 2.5	Pass
				40	3.80	-6.129	-0.0035	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.23	-6.039	-0.0035	-2.5 to 2.5	Pass
					3.80	-6.505	-0.0038	-2.5 to 2.5	Pass
					4.37	-2.961	-0.0017	-2.5 to 2.5	Pass
				-30	3.80	-10.418	-0.0061	-2.5 to 2.5	Pass
				-20	3.80	-9.823	-0.0057	-2.5 to 2.5	Pass
				-10	3.80	-5.753	-0.0034	-2.5 to 2.5	Pass
				0	3.80	-2.480	-0.0014	-2.5 to 2.5	Pass
				10	3.80	-5.859	-0.0034	-2.5 to 2.5	Pass
				30	3.80	-11.095	-0.0065	-2.5 to 2.5	Pass
				40	3.80	-5.537	-0.0032	-2.5 to 2.5	Pass
				50	3.80	-10.980	-0.0064	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.23	-4.292	-0.0025	-2.5 to 2.5	Pass
					3.80	-14.406	-0.0083	-2.5 to 2.5	Pass
					4.37	-7.177	-0.0041	-2.5 to 2.5	Pass
				-30	3.80	-0.059	0.0000	-2.5 to 2.5	Pass
				-20	3.80	2.115	0.0012	-2.5 to 2.5	Pass
				-10	3.80	-5.144	-0.0030	-2.5 to 2.5	Pass



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	1750	50	0	0	3.80	-7.249	-0.0042	-2.5 to 2.5	Pass
				10	3.80	-2.666	-0.0015	-2.5 to 2.5	Pass
				30	3.80	-3.413	-0.0020	-2.5 to 2.5	Pass
				40	3.80	-3.292	-0.0019	-2.5 to 2.5	Pass
				50	3.80	0.891	0.0005	-2.5 to 2.5	Pass
				20	3.23	-3.249	-0.0019	-2.5 to 2.5	Pass
					3.80	-5.676	-0.0032	-2.5 to 2.5	Pass
					4.37	-9.632	-0.0055	-2.5 to 2.5	Pass
				-30	3.80	-8.007	-0.0046	-2.5 to 2.5	Pass
				-20	3.80	-8.004	-0.0046	-2.5 to 2.5	Pass
				-10	3.80	-13.160	-0.0075	-2.5 to 2.5	Pass
				0	3.80	-13.135	-0.0075	-2.5 to 2.5	Pass
				10	3.80	-6.971	-0.0040	-2.5 to 2.5	Pass
				30	3.80	-6.134	-0.0035	-2.5 to 2.5	Pass
				40	3.80	-7.780	-0.0044	-2.5 to 2.5	Pass
				50	3.80	-10.711	-0.0061	-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	3.23	-2.723	-0.0016	-2.5 to 2.5	Pass
					3.80	-2.060	-0.0012	-2.5 to 2.5	Pass
					4.37	-2.309	-0.0013	-2.5 to 2.5	Pass
				-30	3.80	-11.374	-0.0066	-2.5 to 2.5	Pass
				-20	3.80	-8.159	-0.0048	-2.5 to 2.5	Pass
				-10	3.80	-1.164	-0.0007	-2.5 to 2.5	Pass
				0	3.80	2.680	0.0016	-2.5 to 2.5	Pass
				10	3.80	-3.291	-0.0019	-2.5 to 2.5	Pass
				30	3.80	-10.511	-0.0061	-2.5 to 2.5	Pass
				40	3.80	-8.390	-0.0049	-2.5 to 2.5	Pass
				50	3.80	-6.446	-0.0038	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.23	-2.872	-0.0017	-2.5 to 2.5	Pass
					3.80	0.435	0.0003	-2.5 to 2.5	Pass
					4.37	-1.775	-0.0010	-2.5 to 2.5	Pass
				-30	3.80	3.610	0.0021	-2.5 to 2.5	Pass
				-20	3.80	-3.794	-0.0022	-2.5 to 2.5	Pass
				-10	3.80	1.300	0.0008	-2.5 to 2.5	Pass
				0	3.80	1.476	0.0009	-2.5 to 2.5	Pass
				10	3.80	-0.077	0.0000	-2.5 to 2.5	Pass
				30	3.80	-6.226	-0.0036	-2.5 to 2.5	Pass
				40	3.80	-4.851	-0.0028	-2.5 to 2.5	Pass
				50	3.80	-7.738	-0.0045	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.23	2.422	0.0014	-2.5 to 2.5	Pass
					3.80	-8.733	-0.0050	-2.5 to 2.5	Pass
					4.37	3.544	0.0020	-2.5 to 2.5	Pass



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				-30	3.80	-8.449	-0.0048	-2.5 to 2.5	Pass
				-20	3.80	-6.113	-0.0035	-2.5 to 2.5	Pass
				-10	3.80	-4.759	-0.0027	-2.5 to 2.5	Pass
				0	3.80	-4.115	-0.0024	-2.5 to 2.5	Pass
				10	3.80	-2.575	-0.0015	-2.5 to 2.5	Pass
				30	3.80	-10.458	-0.0060	-2.5 to 2.5	Pass
				40	3.80	-9.170	-0.0052	-2.5 to 2.5	Pass
				50	3.80	-0.394	-0.0002	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.23	-8.659	-0.0050	-2.5 to 2.5	Pass
					3.80	-5.150	-0.0030	-2.5 to 2.5	Pass
					4.37	0.206	0.0001	-2.5 to 2.5	Pass
				-30	3.80	-12.686	-0.0074	-2.5 to 2.5	Pass
				-20	3.80	1.693	0.0010	-2.5 to 2.5	Pass
				-10	3.80	-10.175	-0.0059	-2.5 to 2.5	Pass
				0	3.80	-6.102	-0.0036	-2.5 to 2.5	Pass
				10	3.80	-6.277	-0.0037	-2.5 to 2.5	Pass
				30	3.80	-5.194	-0.0030	-2.5 to 2.5	Pass
				40	3.80	-5.177	-0.0030	-2.5 to 2.5	Pass
				50	3.80	-2.159	-0.0013	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.23	-4.945	-0.0029	-2.5 to 2.5	Pass
					3.80	-5.108	-0.0029	-2.5 to 2.5	Pass
					4.37	-5.400	-0.0031	-2.5 to 2.5	Pass
				-30	3.80	-10.313	-0.0060	-2.5 to 2.5	Pass
				-20	3.80	-0.309	-0.0002	-2.5 to 2.5	Pass
				-10	3.80	-6.864	-0.0040	-2.5 to 2.5	Pass
				0	3.80	0.165	0.0001	-2.5 to 2.5	Pass
				10	3.80	1.005	0.0006	-2.5 to 2.5	Pass
				30	3.80	-5.622	-0.0032	-2.5 to 2.5	Pass
				40	3.80	-6.473	-0.0037	-2.5 to 2.5	Pass
				50	3.80	-1.570	-0.0009	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.23	-8.862	-0.0051	-2.5 to 2.5	Pass
					3.80	-13.867	-0.0079	-2.5 to 2.5	Pass
					4.37	-9.886	-0.0057	-2.5 to 2.5	Pass
				-30	3.80	-4.459	-0.0026	-2.5 to 2.5	Pass
				-20	3.80	-0.239	-0.0001	-2.5 to 2.5	Pass
				-10	3.80	-3.830	-0.0022	-2.5 to 2.5	Pass
				0	3.80	-8.565	-0.0049	-2.5 to 2.5	Pass
				10	3.80	-3.913	-0.0022	-2.5 to 2.5	Pass
				30	3.80	-9.035	-0.0052	-2.5 to 2.5	Pass
				40	3.80	-1.258	-0.0007	-2.5 to 2.5	Pass
				50	3.80	-13.646	-0.0078	-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	
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QPSK	1720	100	0	20	3.23	-3.123	-0.0018	-2.5 to 2.5	Pass
					3.80	-0.925	-0.0005	-2.5 to 2.5	Pass
					4.37	-6.982	-0.0041	-2.5 to 2.5	Pass
				-30	3.80	-0.730	-0.0004	-2.5 to 2.5	Pass
				-20	3.80	-11.819	-0.0069	-2.5 to 2.5	Pass
				-10	3.80	0.122	0.0001	-2.5 to 2.5	Pass
				0	3.80	-6.636	-0.0039	-2.5 to 2.5	Pass
				10	3.80	-8.902	-0.0052	-2.5 to 2.5	Pass
				30	3.80	-12.225	-0.0071	-2.5 to 2.5	Pass
				40	3.80	1.426	0.0008	-2.5 to 2.5	Pass
				50	3.80	-4.177	-0.0024	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.23	2.911	0.0017	-2.5 to 2.5	Pass
					3.80	-10.040	-0.0058	-2.5 to 2.5	Pass
					4.37	-10.922	-0.0063	-2.5 to 2.5	Pass
				-30	3.80	-1.657	-0.0010	-2.5 to 2.5	Pass
				-20	3.80	-7.807	-0.0045	-2.5 to 2.5	Pass
				-10	3.80	0.782	0.0005	-2.5 to 2.5	Pass
				0	3.80	-2.219	-0.0013	-2.5 to 2.5	Pass
				10	3.80	-2.947	-0.0017	-2.5 to 2.5	Pass
				30	3.80	-13.200	-0.0076	-2.5 to 2.5	Pass
				40	3.80	-7.192	-0.0042	-2.5 to 2.5	Pass
				50	3.80	2.751	0.0016	-2.5 to 2.5	Pass
	1745	100	0	20	3.23	-0.902	-0.0005	-2.5 to 2.5	Pass
					3.80	-1.803	-0.0010	-2.5 to 2.5	Pass
					4.37	-5.627	-0.0032	-2.5 to 2.5	Pass
				-30	3.80	2.158	0.0012	-2.5 to 2.5	Pass
				-20	3.80	1.422	0.0008	-2.5 to 2.5	Pass
				-10	3.80	-4.392	-0.0025	-2.5 to 2.5	Pass
				0	3.80	-6.074	-0.0035	-2.5 to 2.5	Pass
				10	3.80	1.127	0.0006	-2.5 to 2.5	Pass
				30	3.80	-0.734	-0.0004	-2.5 to 2.5	Pass
				40	3.80	1.475	0.0008	-2.5 to 2.5	Pass
				50	3.80	-9.526	-0.0055	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.23	-8.353	-0.0049	-2.5 to 2.5	Pass
					3.80	-8.135	-0.0047	-2.5 to 2.5	Pass
					4.37	-7.723	-0.0045	-2.5 to 2.5	Pass
				-30	3.80	-2.942	-0.0017	-2.5 to 2.5	Pass
				-20	3.80	0.325	0.0002	-2.5 to 2.5	Pass
				-10	3.80	-5.365	-0.0031	-2.5 to 2.5	Pass
				0	3.80	-9.217	-0.0054	-2.5 to 2.5	Pass
				10	3.80	-2.839	-0.0017	-2.5 to 2.5	Pass
				30	3.80	-7.380	-0.0043	-2.5 to 2.5	Pass
				40	3.80	-10.912	-0.0063	-2.5 to 2.5	Pass
				50	3.80	-9.242	-0.0054	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.23	-1.982	-0.0011	-2.5 to 2.5	Pass
					3.80	-8.024	-0.0046	-2.5 to 2.5	Pass
					4.37	-6.962	-0.0040	-2.5 to 2.5	Pass
				-30	3.80	-7.995	-0.0046	-2.5 to 2.5	Pass
				-20	3.80	-8.893	-0.0051	-2.5 to 2.5	Pass
				-10	3.80	0.996	0.0006	-2.5 to 2.5	Pass
				0	3.80	-3.532	-0.0020	-2.5 to 2.5	Pass



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				10	3.80	-3.803	-0.0022	-2.5 to 2.5	Pass
				30	3.80	-11.965	-0.0069	-2.5 to 2.5	Pass
				40	3.80	-5.789	-0.0033	-2.5 to 2.5	Pass
				50	3.80	-10.143	-0.0059	-2.5 to 2.5	Pass
	1745	100	0	20	3.23	2.095	0.0012	-2.5 to 2.5	Pass
					3.80	-6.662	-0.0038	-2.5 to 2.5	Pass
					4.37	-3.899	-0.0022	-2.5 to 2.5	Pass
				-30	3.80	-1.901	-0.0011	-2.5 to 2.5	Pass
				-20	3.80	-0.509	-0.0003	-2.5 to 2.5	Pass
				-10	3.80	-0.682	-0.0004	-2.5 to 2.5	Pass
				0	3.80	-1.549	-0.0009	-2.5 to 2.5	Pass
				10	3.80	-3.265	-0.0019	-2.5 to 2.5	Pass
				30	3.80	-1.666	-0.0010	-2.5 to 2.5	Pass
				40	3.80	-2.717	-0.0016	-2.5 to 2.5	Pass
				50	3.80	-1.391	-0.0008	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Band4_OBW

3.1.1 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	1.103	Pass
		1732.5	6	0	1.103	Pass
		1754.3	6	0	1.106	Pass
	16QAM	1710.7	6	0	1.094	Pass
		1732.5	6	0	1.104	Pass
		1754.3	6	0	1.110	Pass
3	QPSK	1711.5	15	0	2.712	Pass
		1732.5	15	0	2.718	Pass
		1753.5	15	0	2.713	Pass
	16QAM	1711.5	15	0	2.704	Pass
		1732.5	15	0	2.710	Pass
		1753.5	15	0	2.711	Pass
5	QPSK	1712.5	25	0	4.529	Pass
		1732.5	25	0	4.541	Pass
		1752.5	25	0	4.533	Pass
	16QAM	1712.5	25	0	4.530	Pass
		1732.5	25	0	4.519	Pass
		1752.5	25	0	4.547	Pass
10	QPSK	1715	50	0	9.059	Pass
		1732.5	50	0	9.051	Pass
		1750	50	0	9.068	Pass
	16QAM	1715	50	0	9.042	Pass
		1732.5	50	0	9.027	Pass
		1750	50	0	9.027	Pass



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		1750	50	0	9.078	Pass
15	QPSK	1717.5	75	0	13.643	Pass
		1732.5	75	0	13.542	Pass
		1747.5	75	0	13.588	Pass
		1717.5	75	0	13.604	Pass
	16QAM	1732.5	75	0	13.579	Pass
		1747.5	75	0	13.571	Pass
20	QPSK	1720	100	0	18.160	Pass
		1732.5	100	0	18.057	Pass
		1745	100	0	18.085	Pass
	16QAM	1720	100	0	18.167	Pass
		1732.5	100	0	18.081	Pass
		1745	100	0	18.113	Pass



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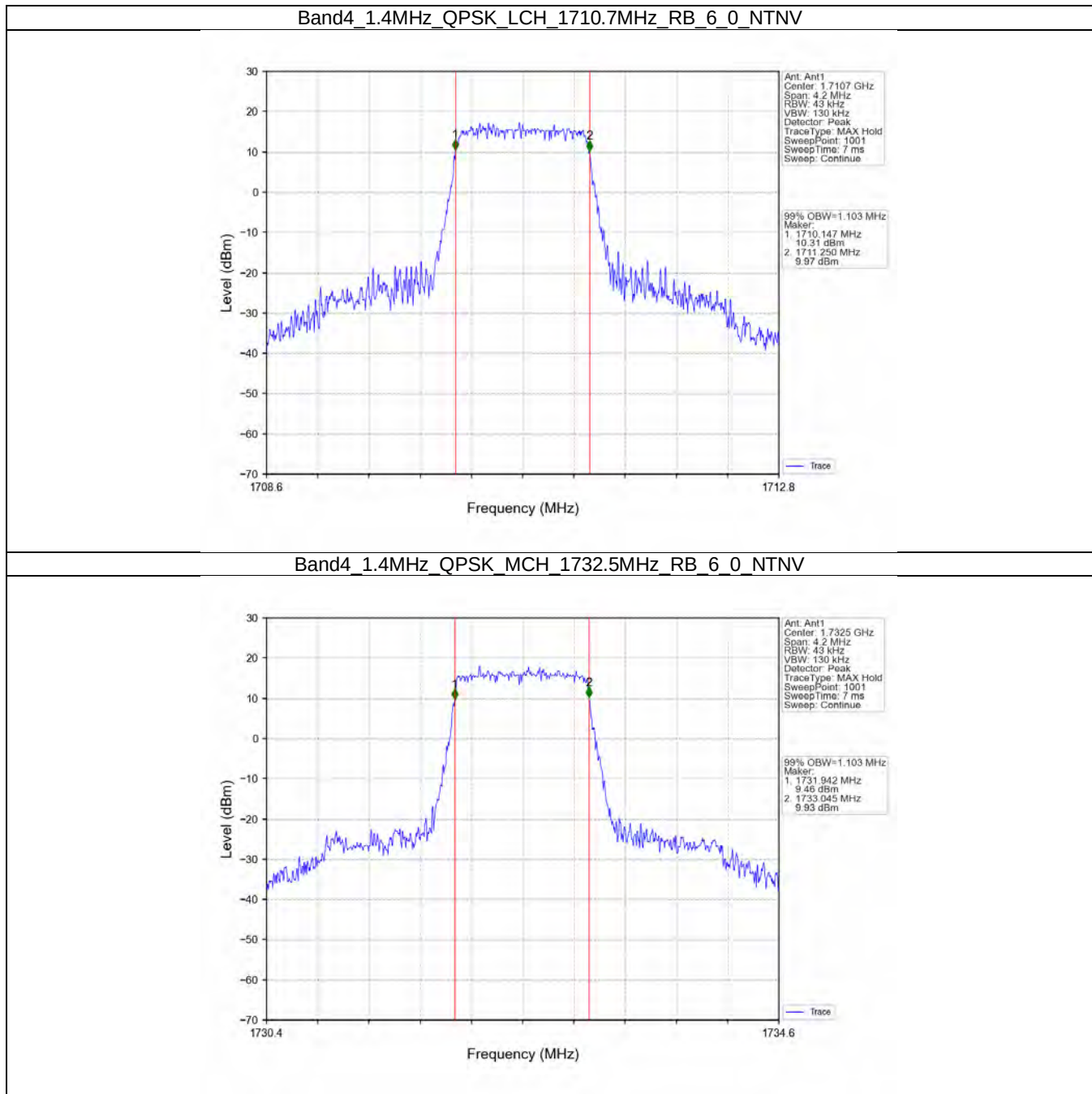
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3.1.2 Test Graph



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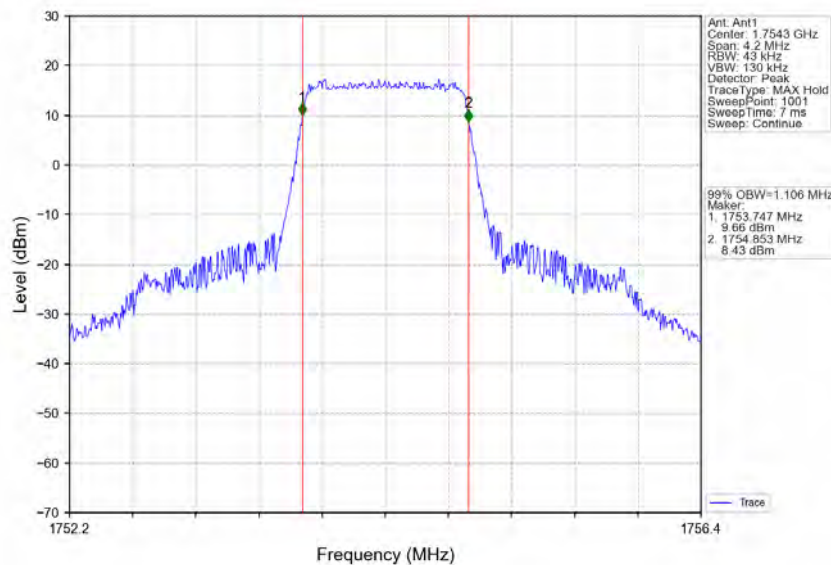
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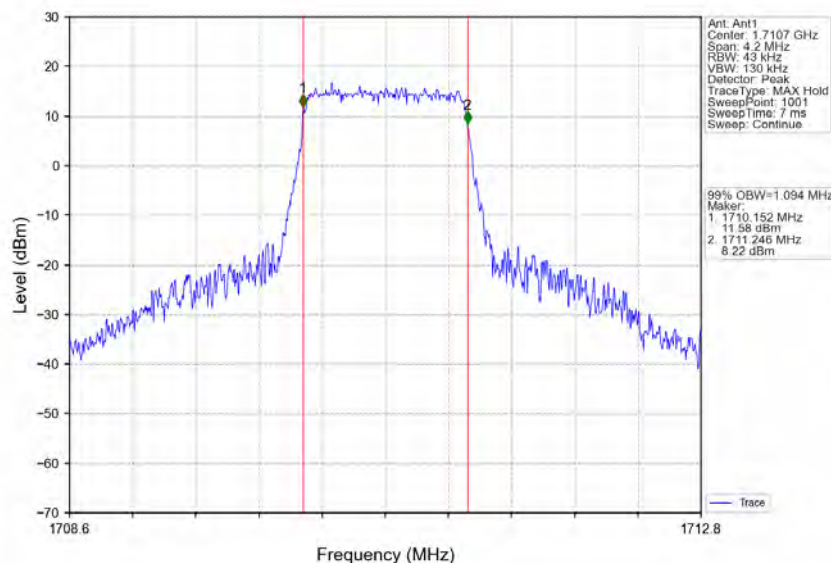
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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



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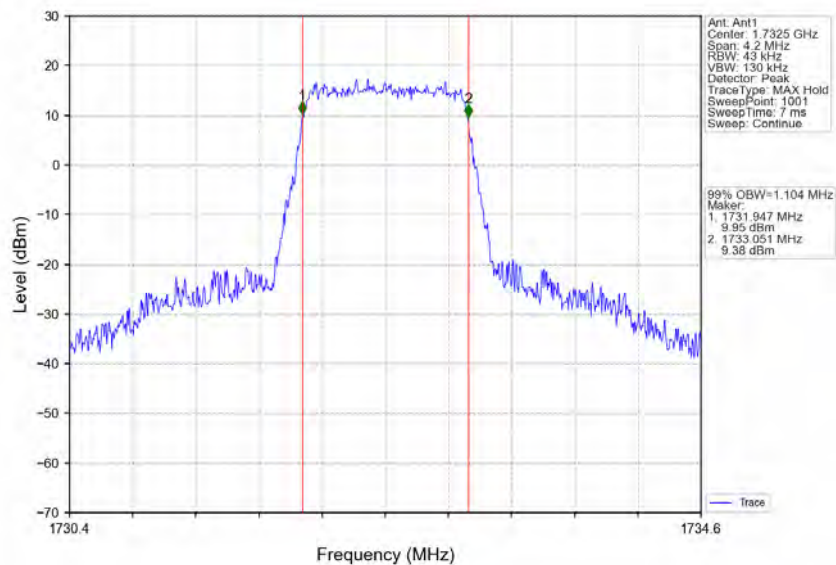
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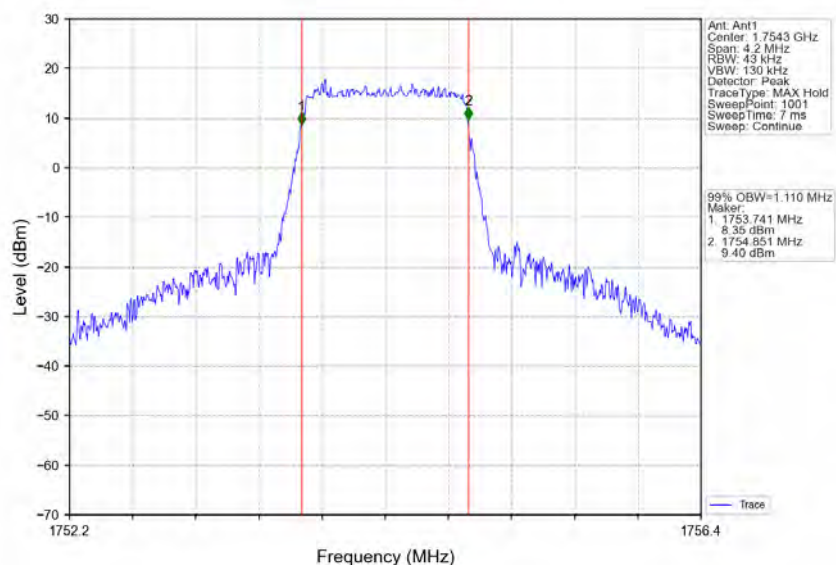
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Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



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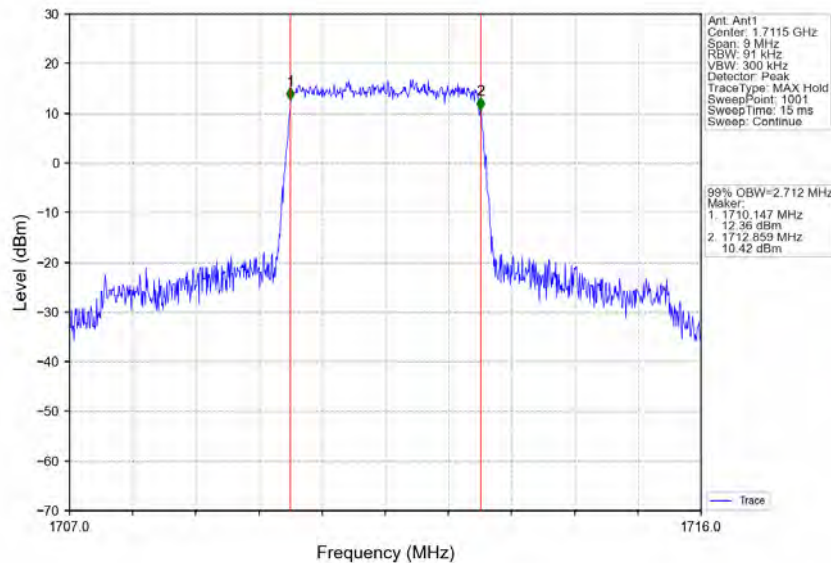
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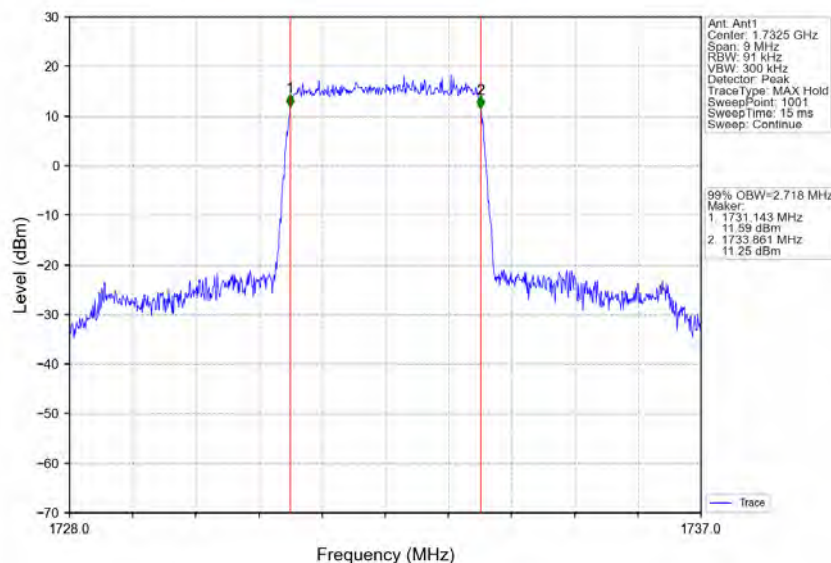
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Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



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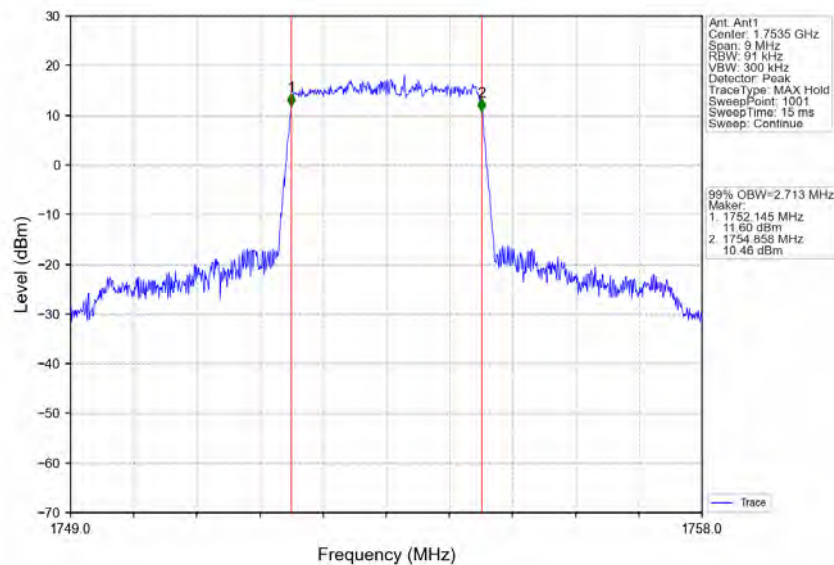
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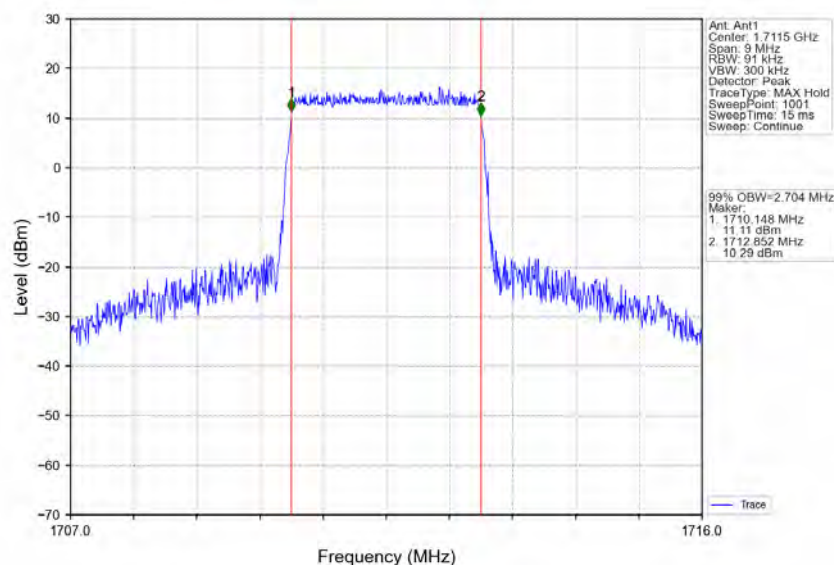
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Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



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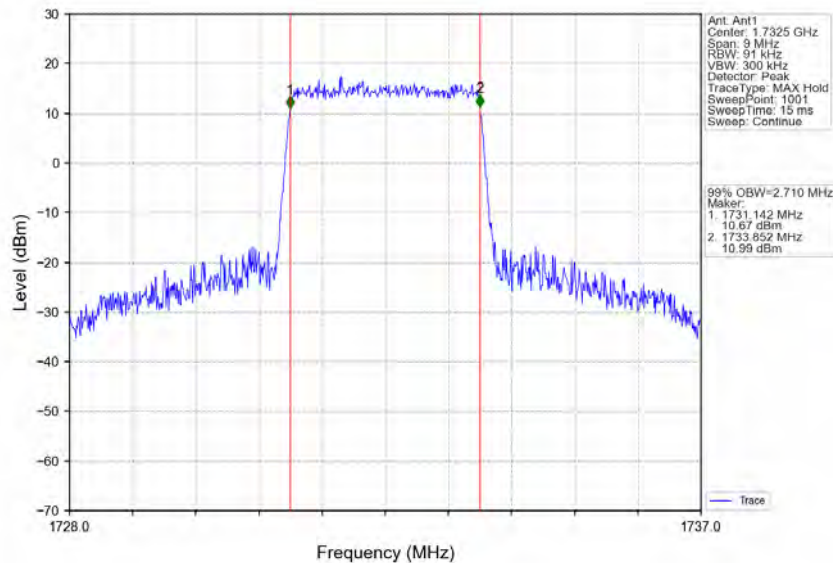
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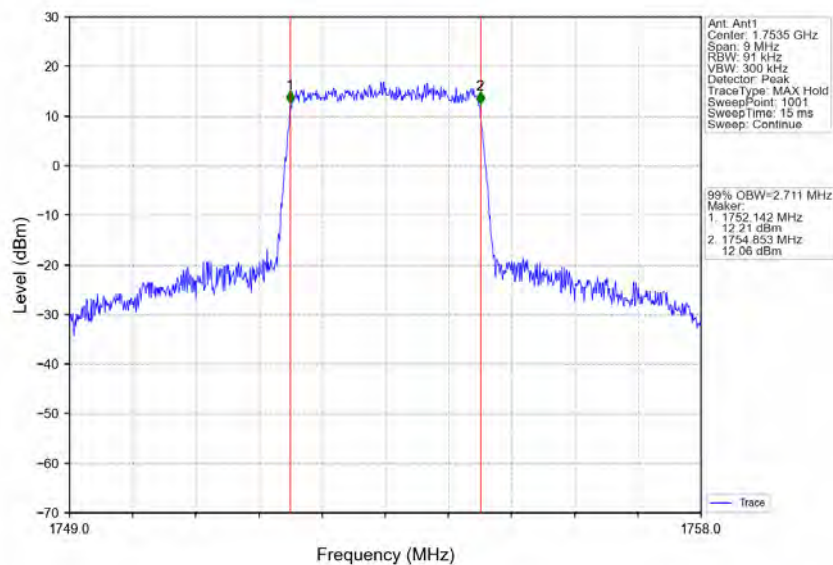
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Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



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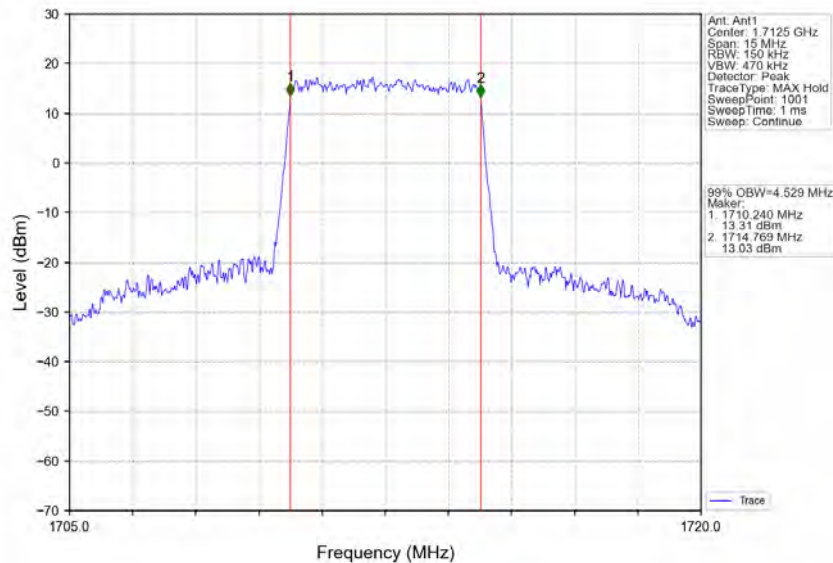
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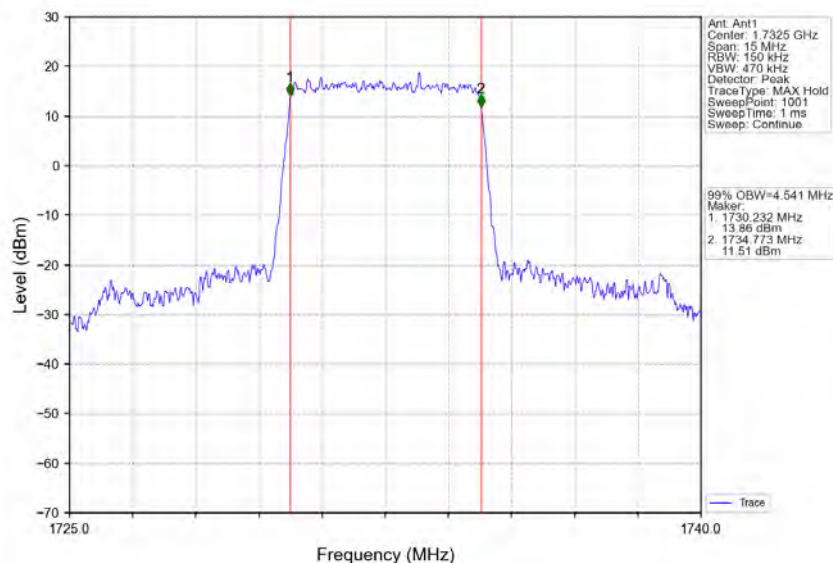
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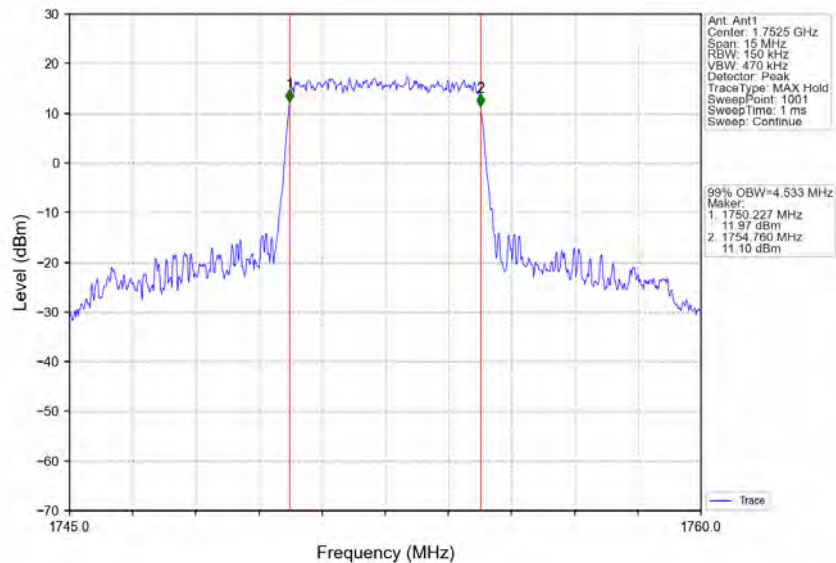
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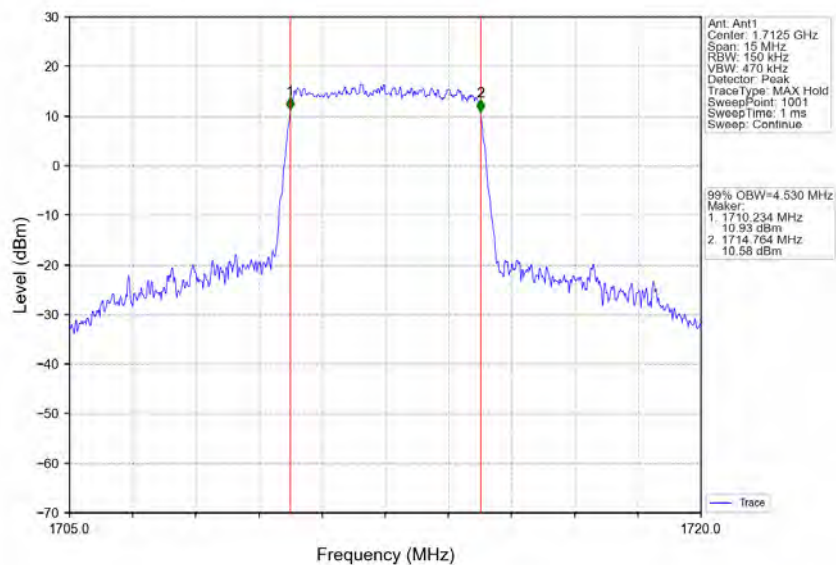
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Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



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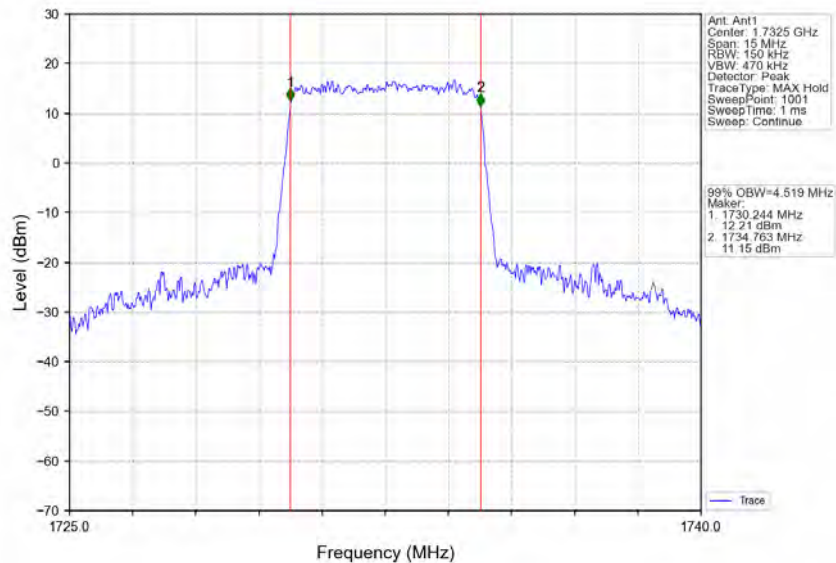
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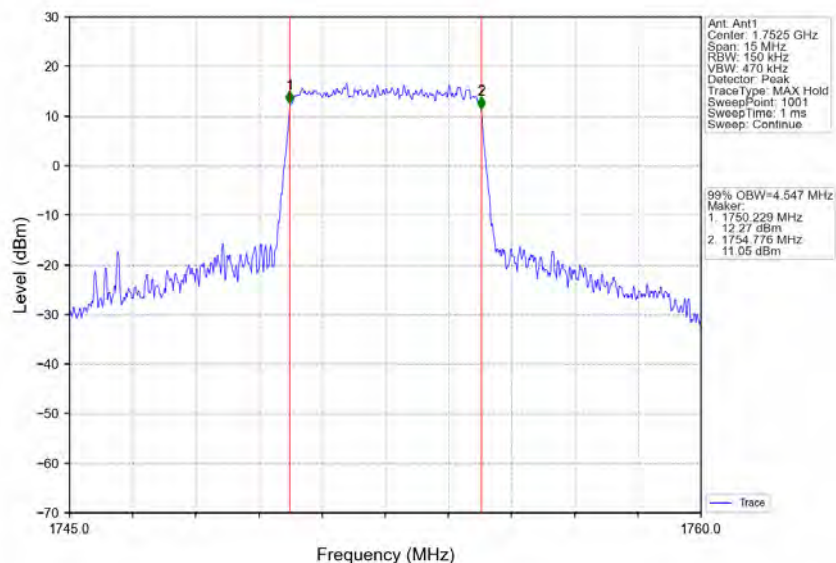
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Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV

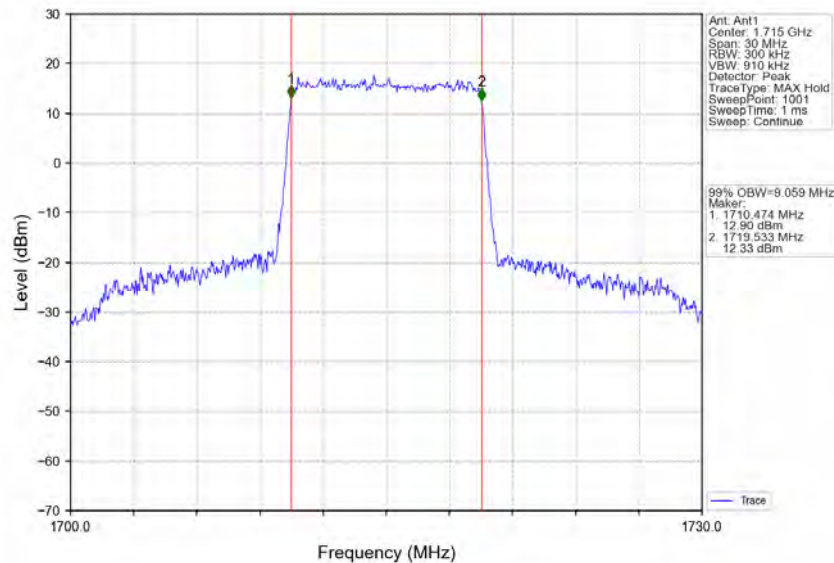


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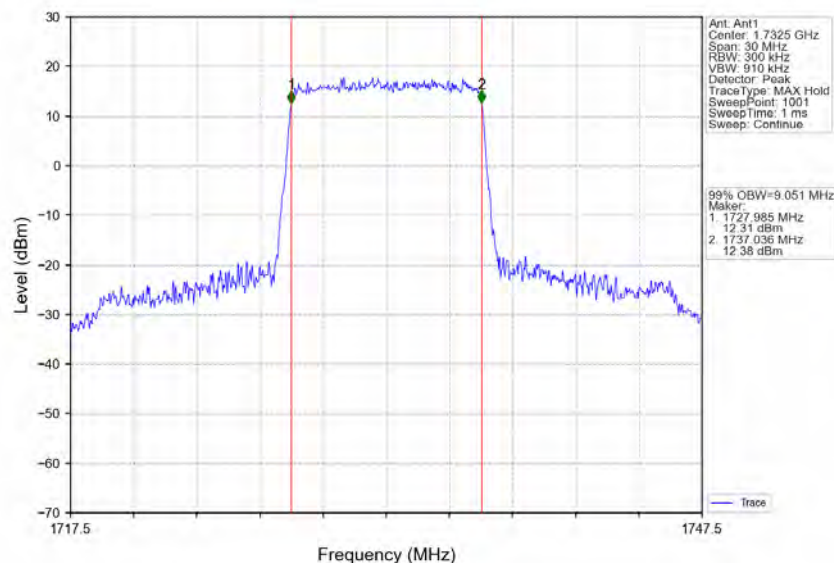
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Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



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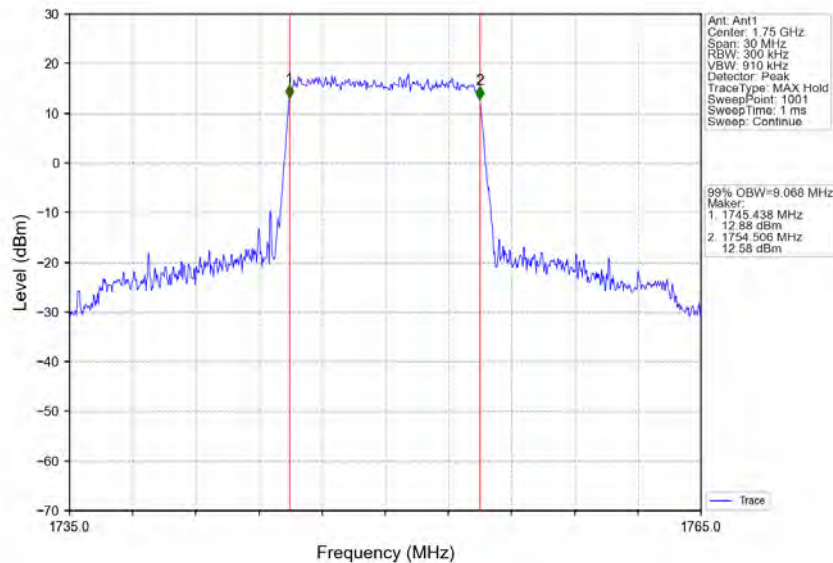
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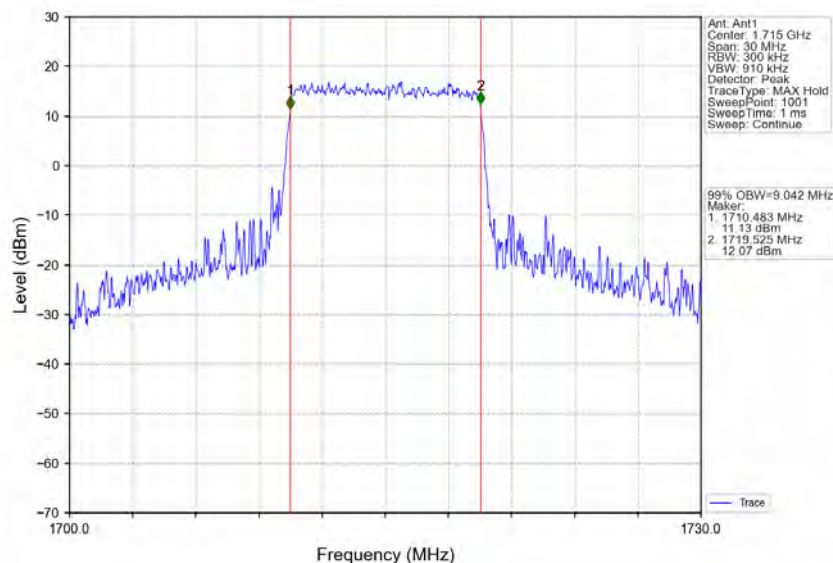
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Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



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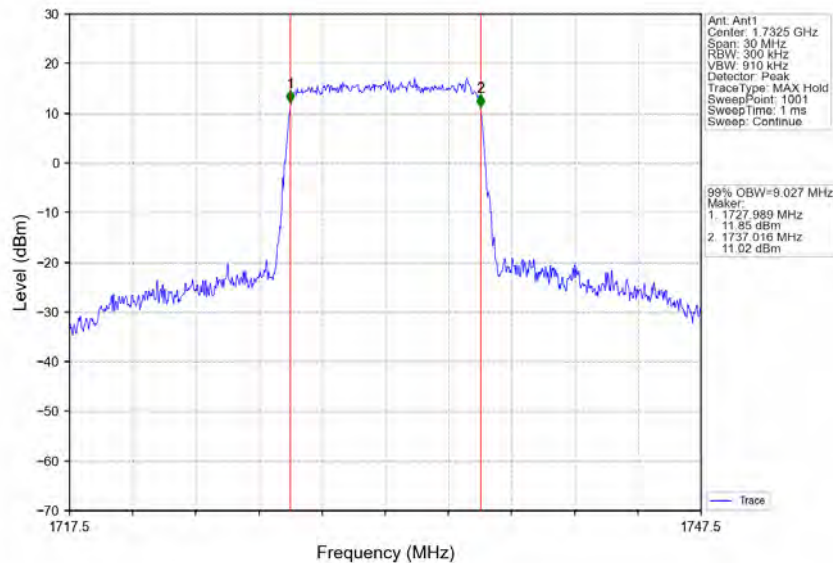
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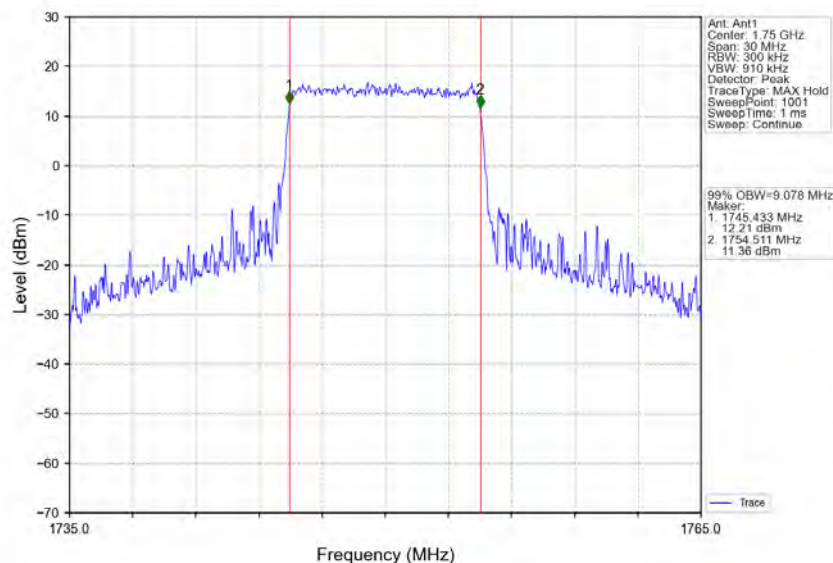
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Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



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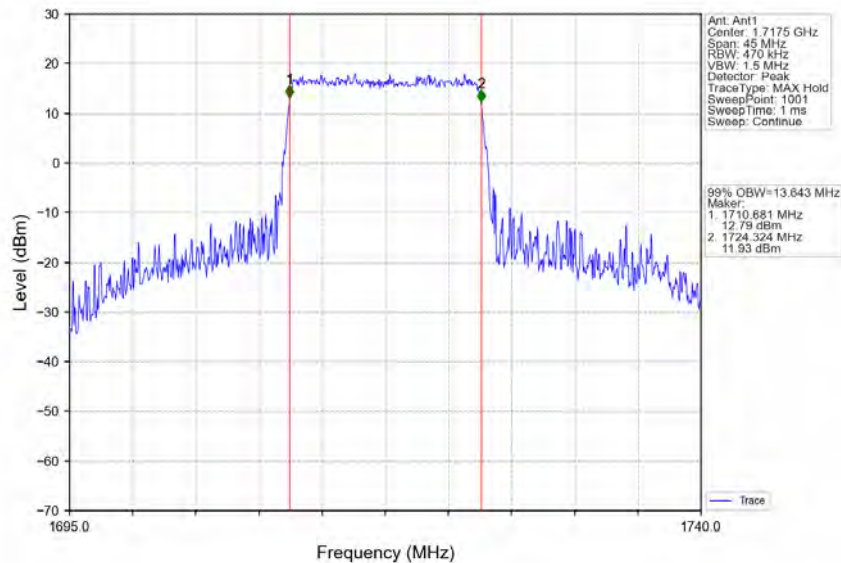
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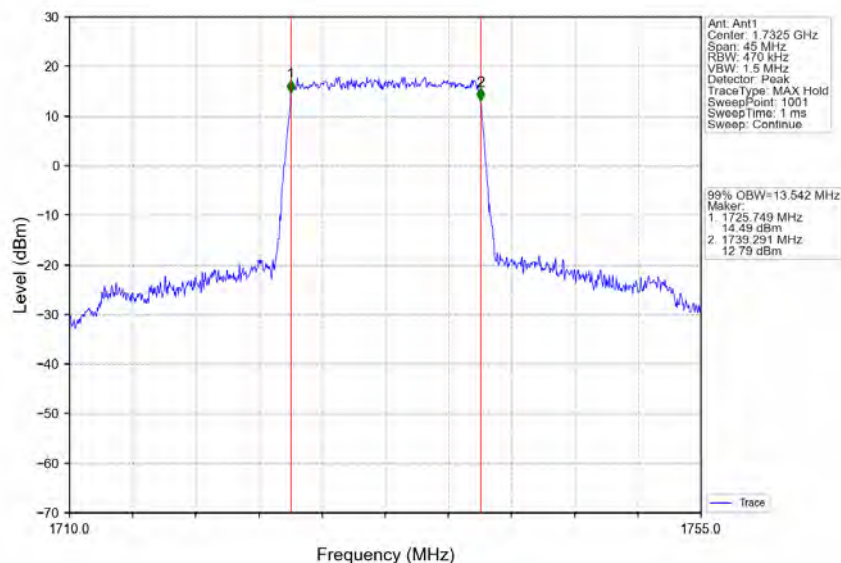
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Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



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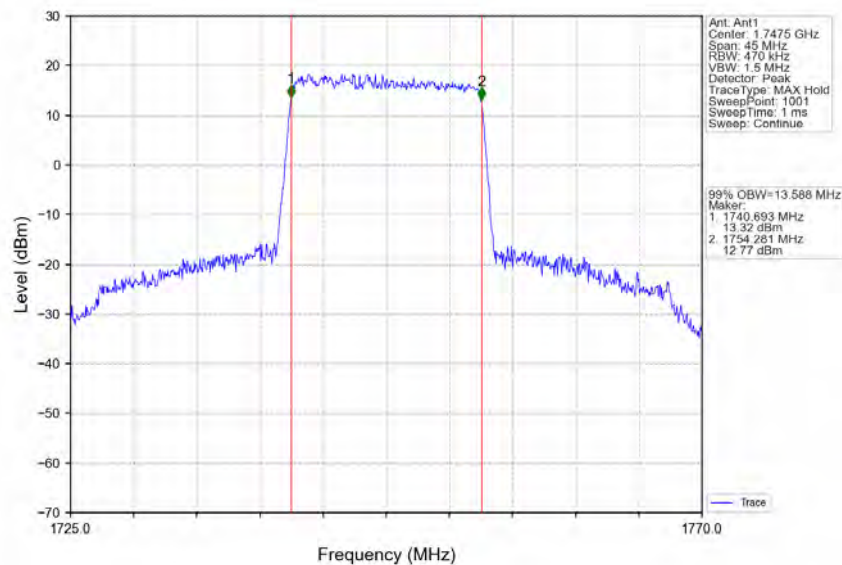
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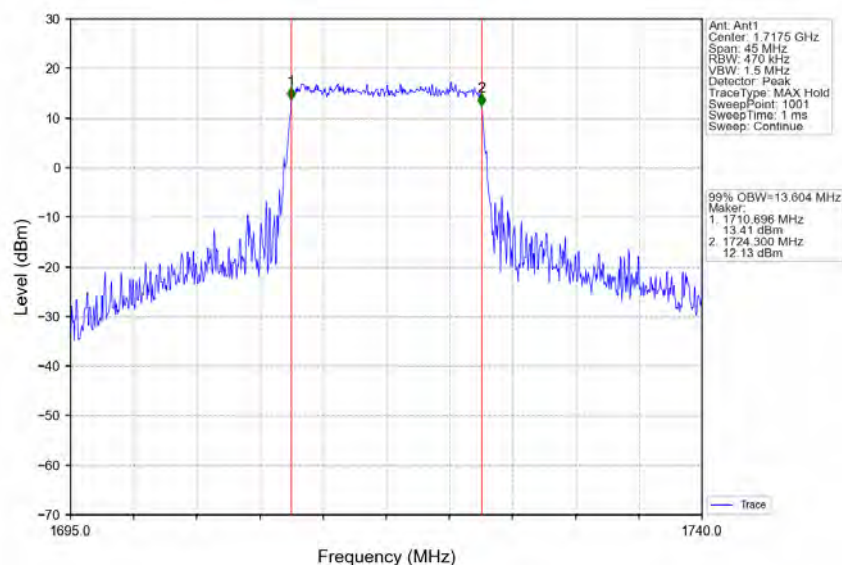
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Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



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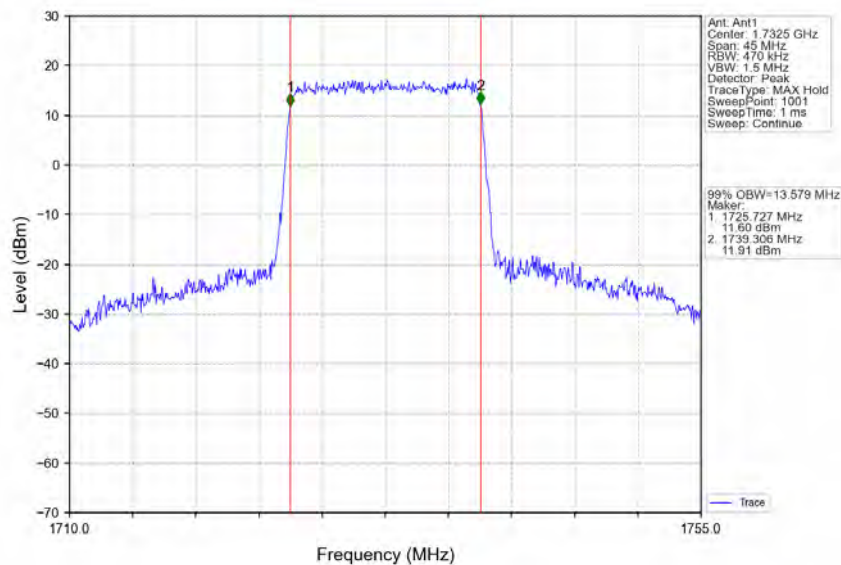
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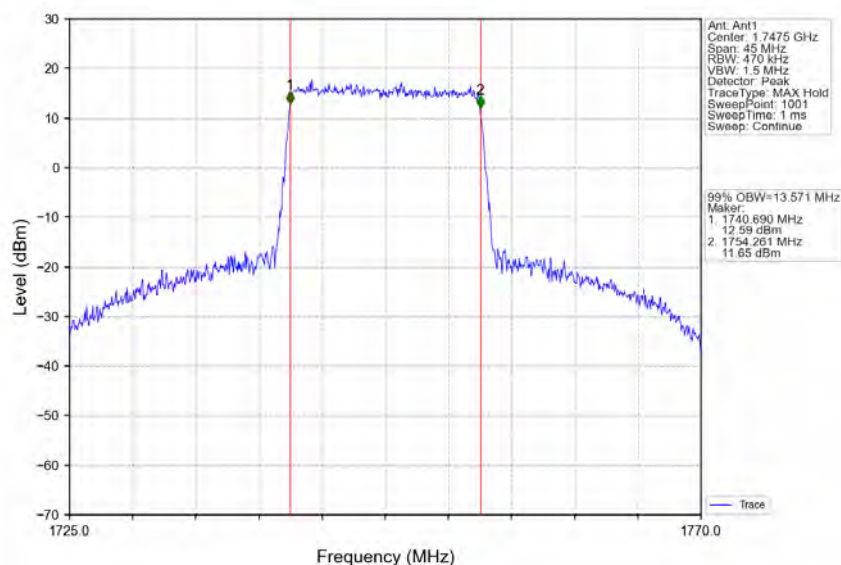
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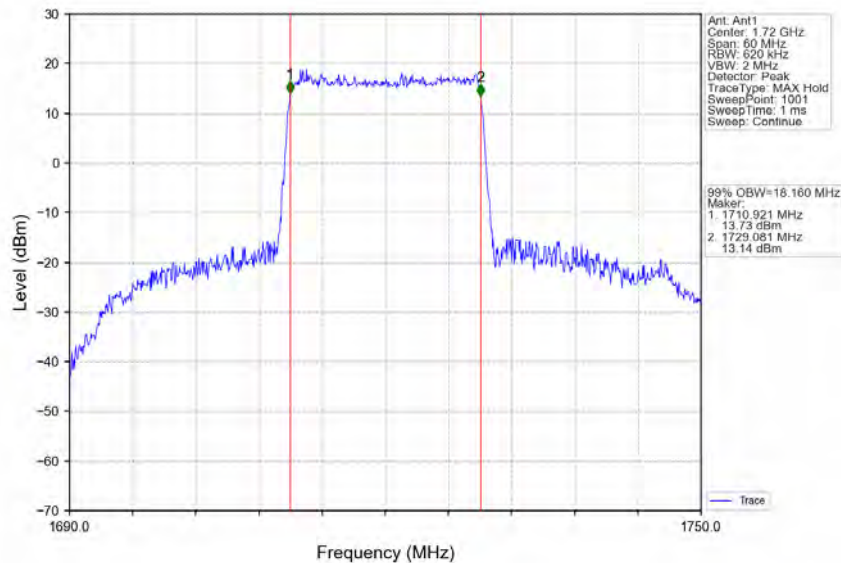
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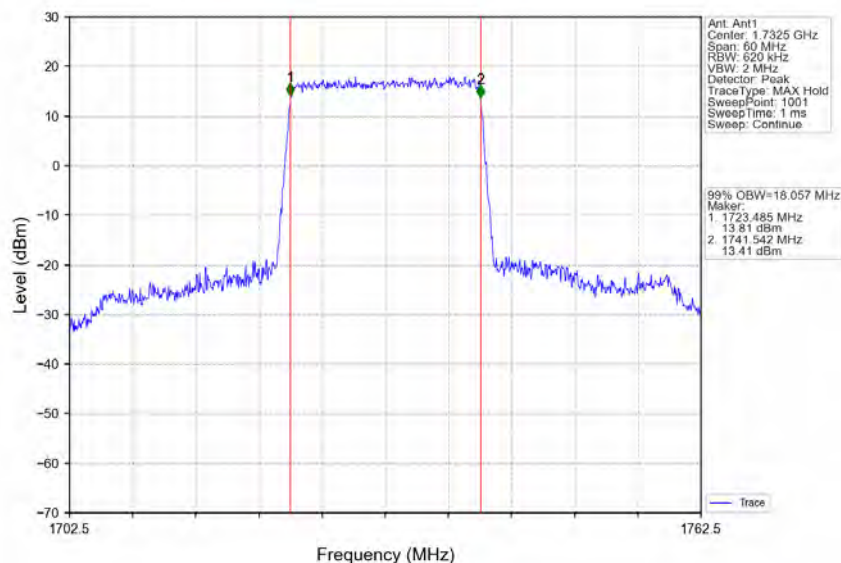
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Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



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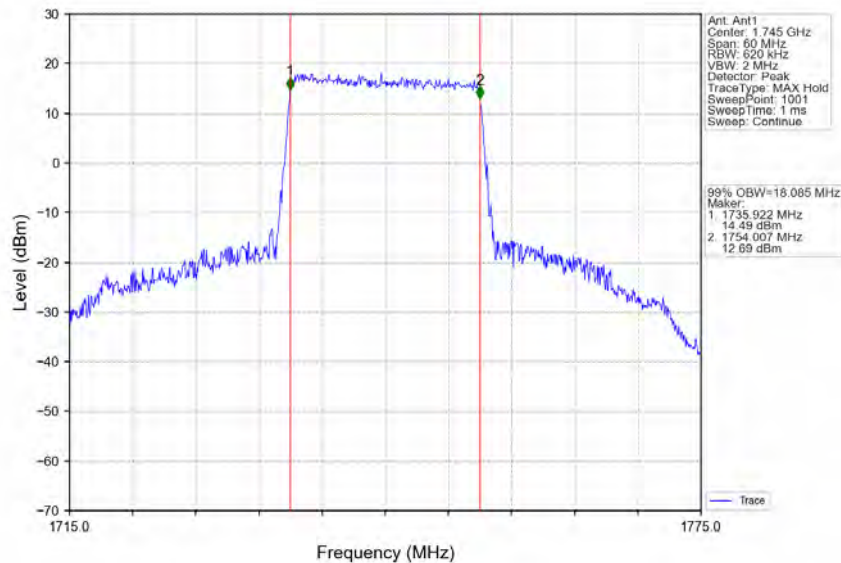
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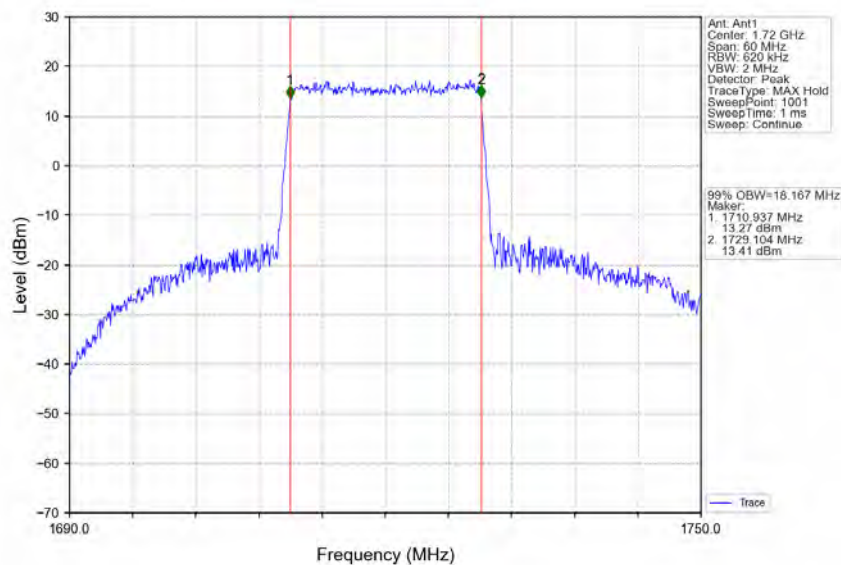
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Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



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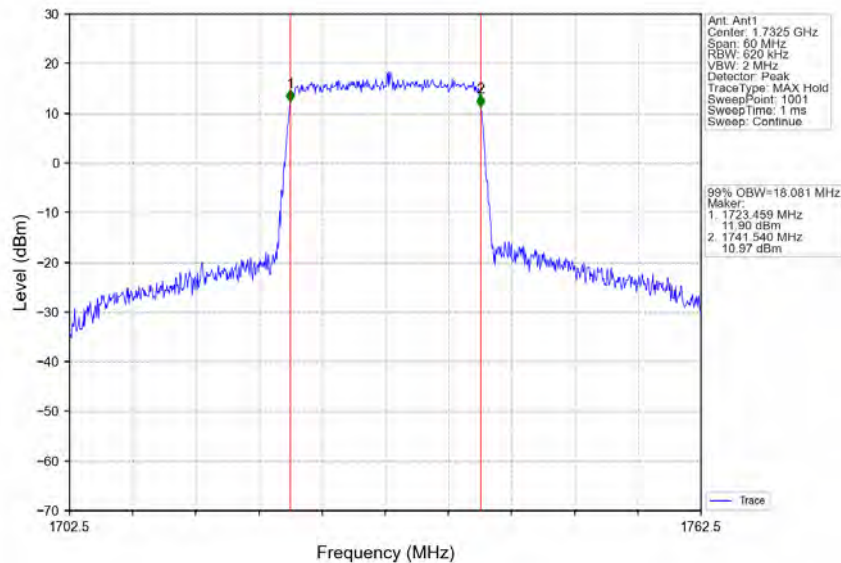
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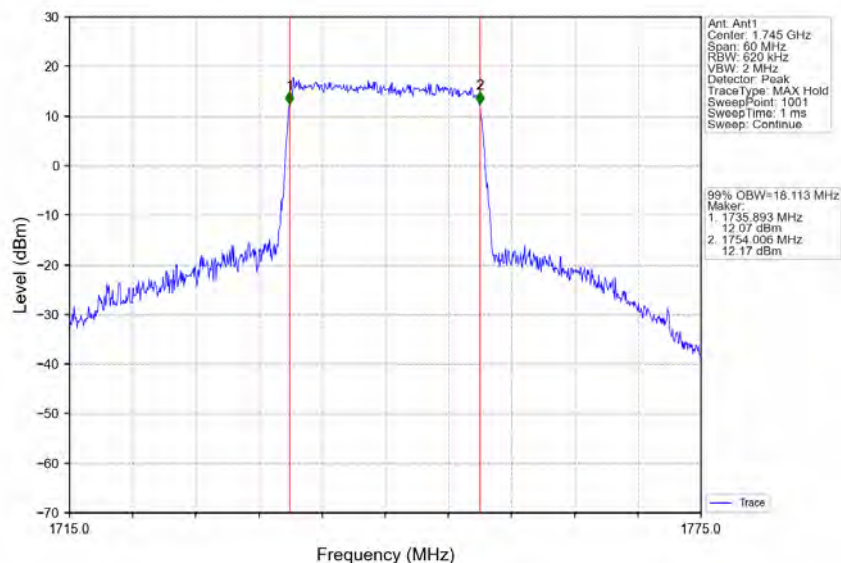
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Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



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3.2 Band4_XDB

3.2.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.272	Pass
		1732.5	6	0	1.307	Pass
		1754.3	6	0	1.309	Pass
	16QAM	1710.7	6	0	1.299	Pass
		1732.5	6	0	1.316	Pass
		1754.3	6	0	1.301	Pass
3	QPSK	1711.5	15	0	2.968	Pass
		1732.5	15	0	2.958	Pass
		1753.5	15	0	2.967	Pass
	16QAM	1711.5	15	0	2.932	Pass
		1732.5	15	0	2.962	Pass
		1753.5	15	0	2.970	Pass
5	QPSK	1712.5	25	0	4.985	Pass
		1732.5	25	0	4.992	Pass
		1752.5	25	0	4.985	Pass
	16QAM	1712.5	25	0	5.041	Pass
		1732.5	25	0	4.991	Pass
		1752.5	25	0	5.002	Pass
10	QPSK	1715	50	0	9.888	Pass
		1732.5	50	0	9.945	Pass
		1750	50	0	9.933	Pass
	16QAM	1715	50	0	10.380	Pass
		1732.5	50	0	9.914	Pass
		1750	50	0	12.720	Pass
15	QPSK	1717.5	75	0	15.735	Pass
		1732.5	75	0	14.848	Pass
		1747.5	75	0	14.847	Pass
	16QAM	1717.5	75	0	16.870	Pass
		1732.5	75	0	14.844	Pass
		1747.5	75	0	14.843	Pass
20	QPSK	1720	100	0	19.720	Pass
		1732.5	100	0	19.735	Pass
		1745	100	0	19.809	Pass
	16QAM	1720	100	0	19.749	Pass
		1732.5	100	0	19.706	Pass
		1745	100	0	19.824	Pass



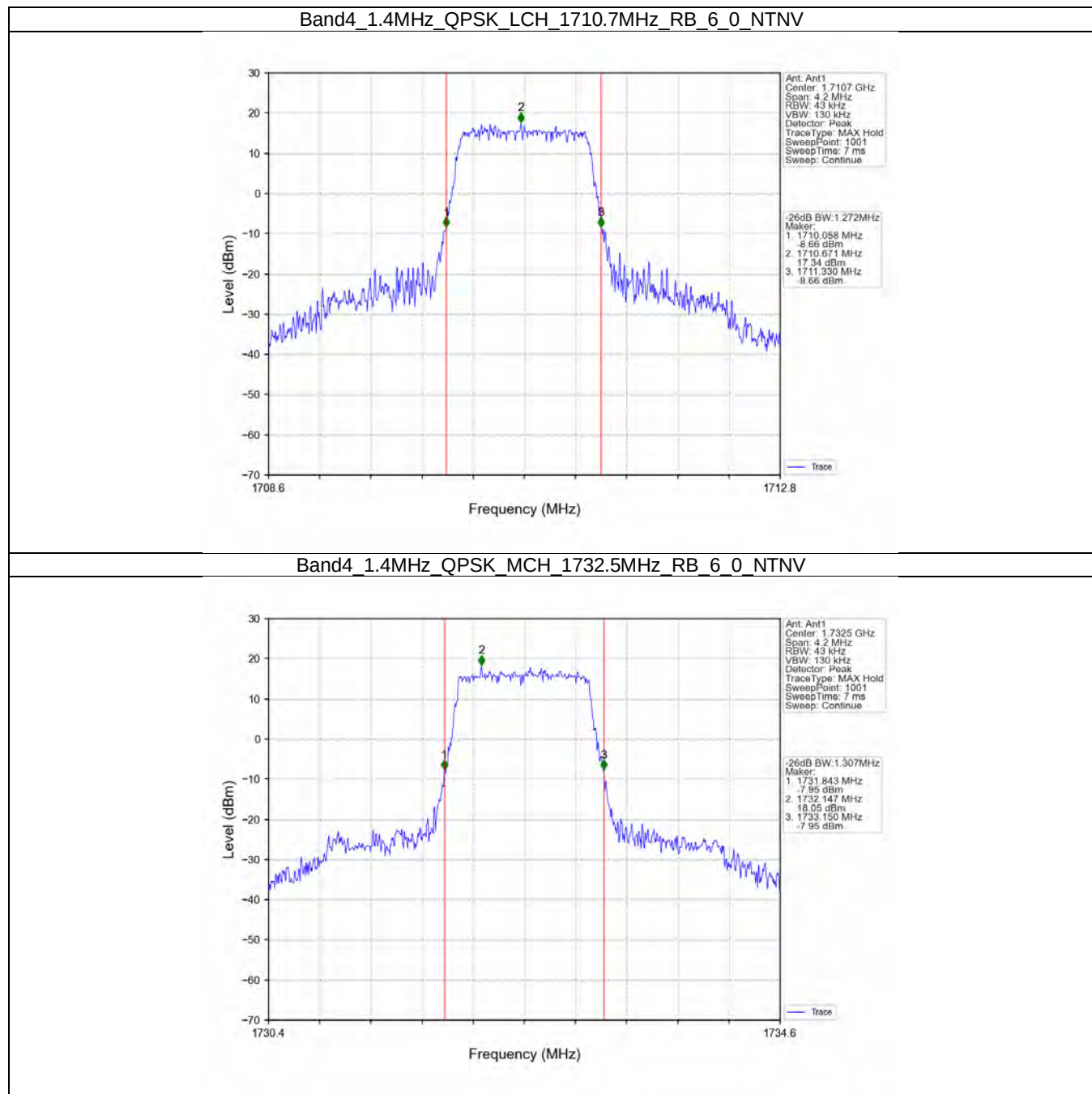
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3.2.2 Test Graph



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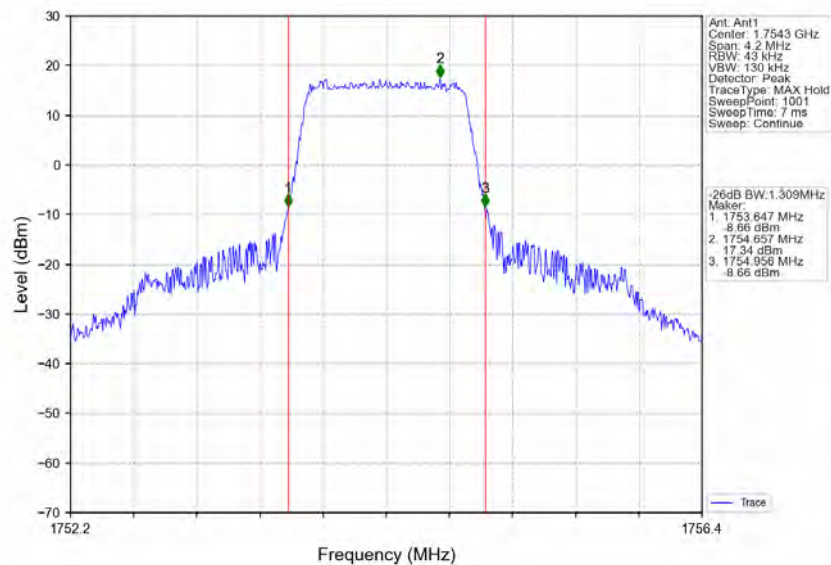
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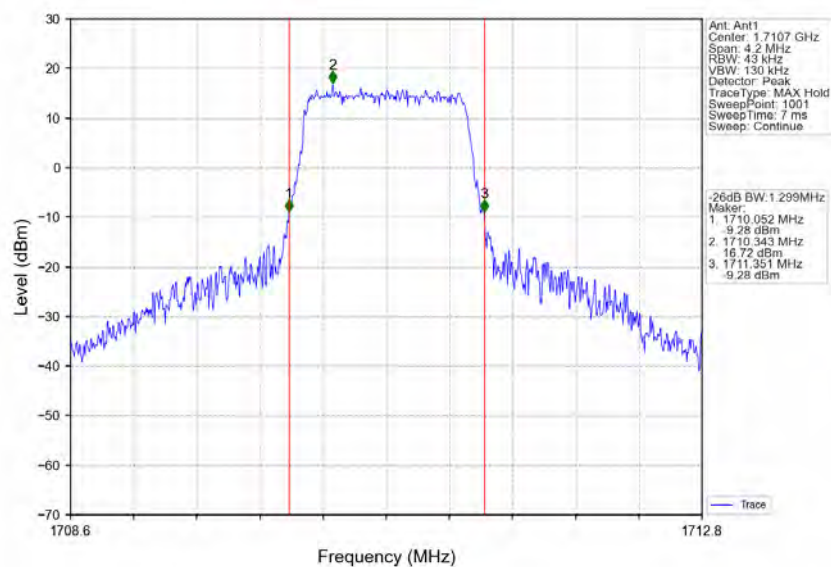
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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



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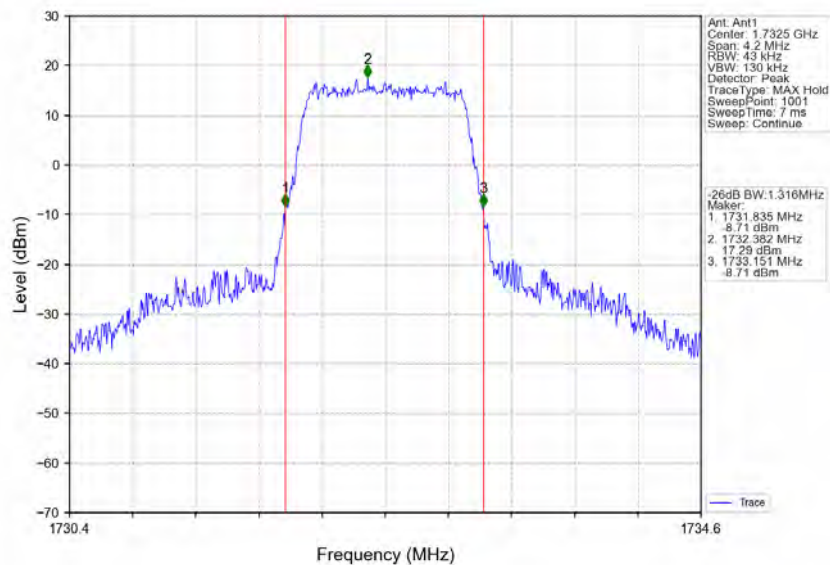
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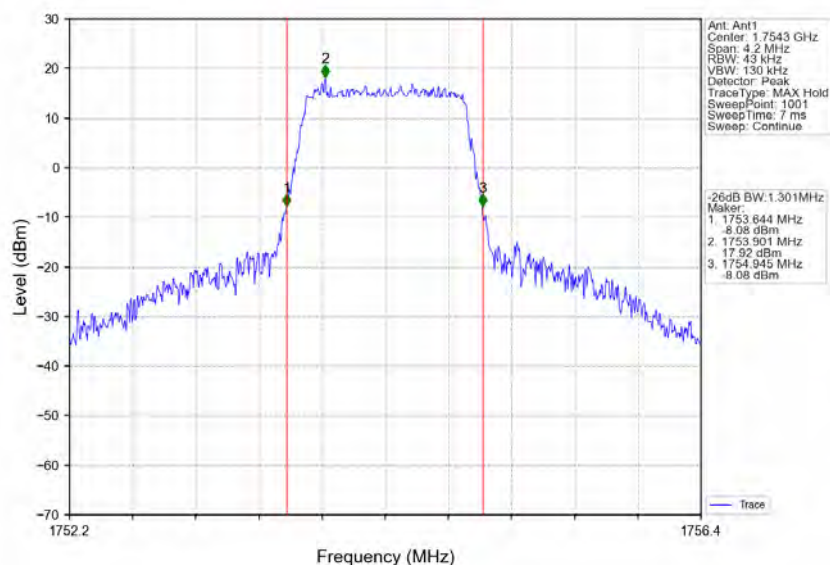
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Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



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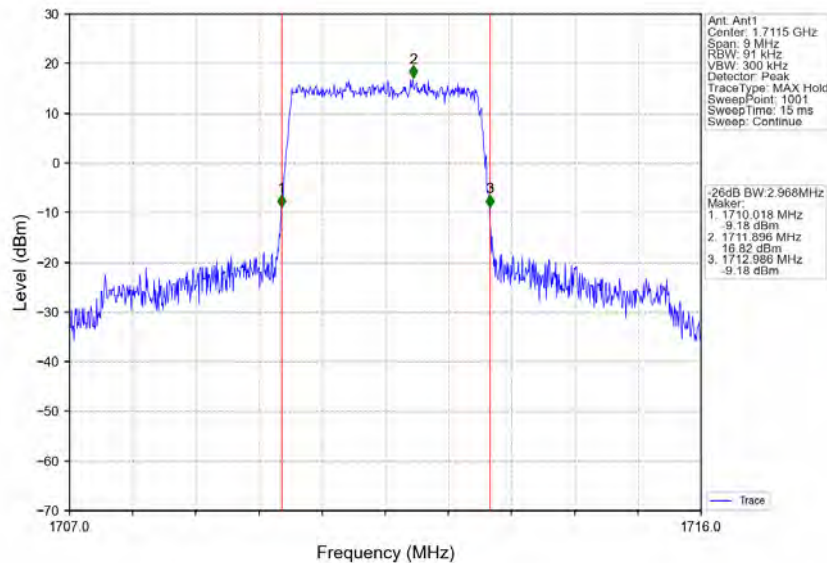
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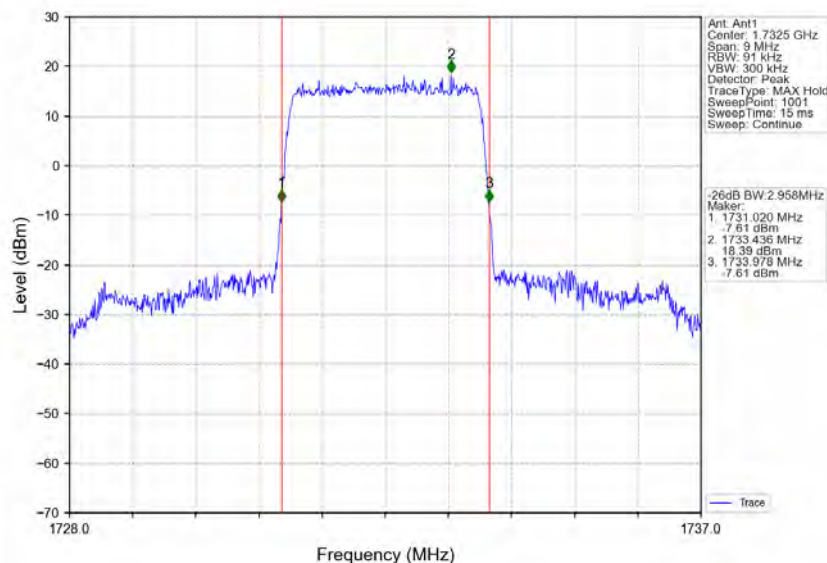
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Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



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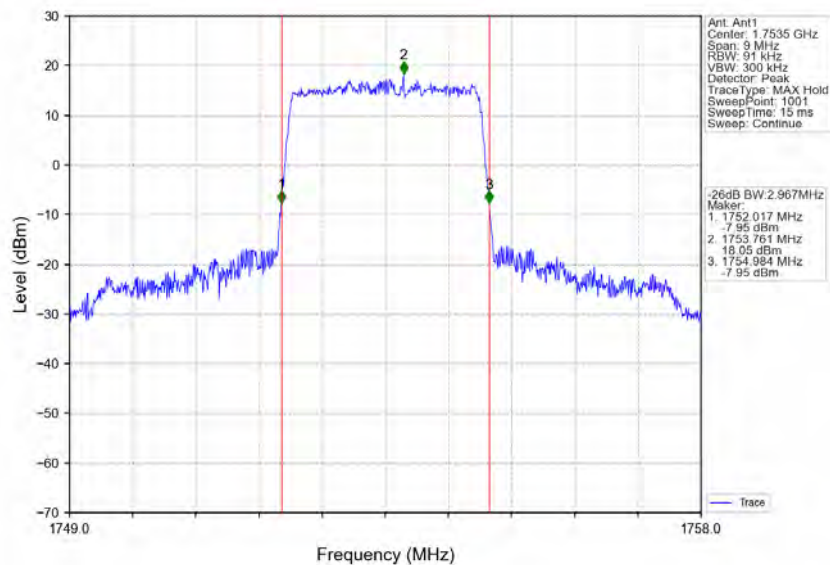
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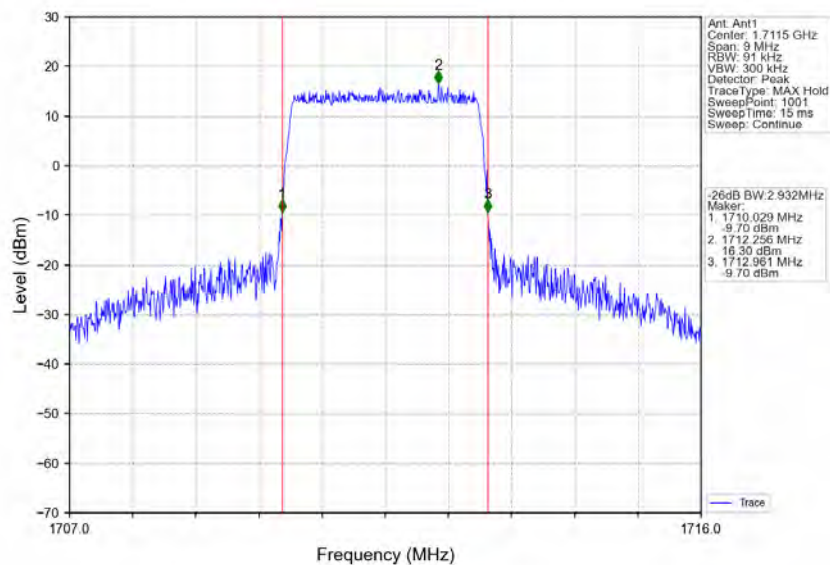
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Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



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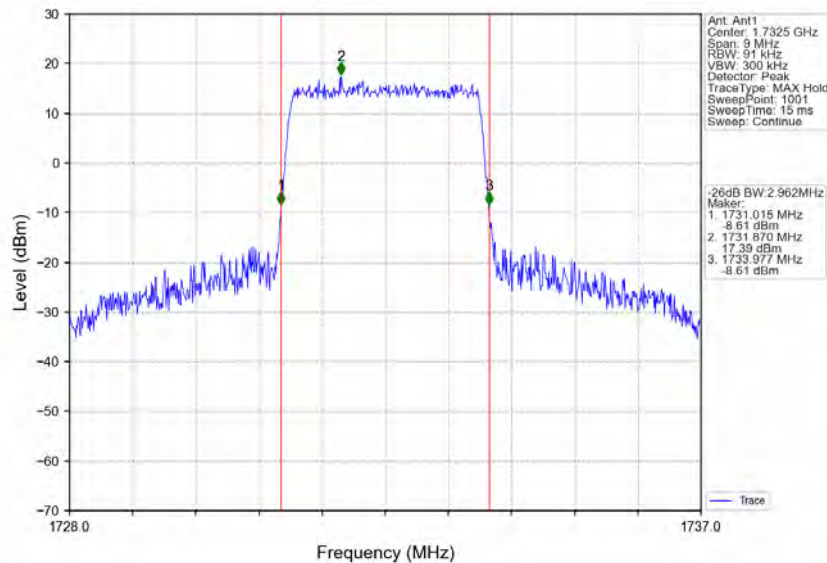
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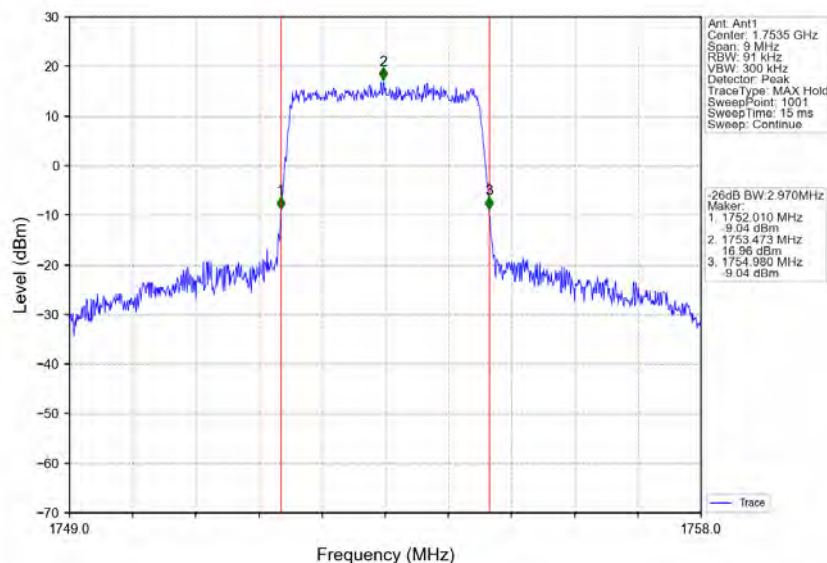
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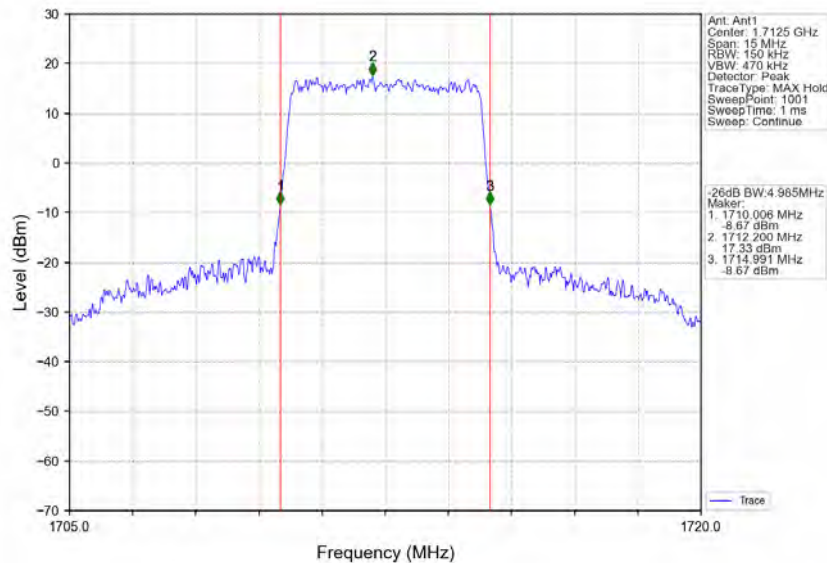


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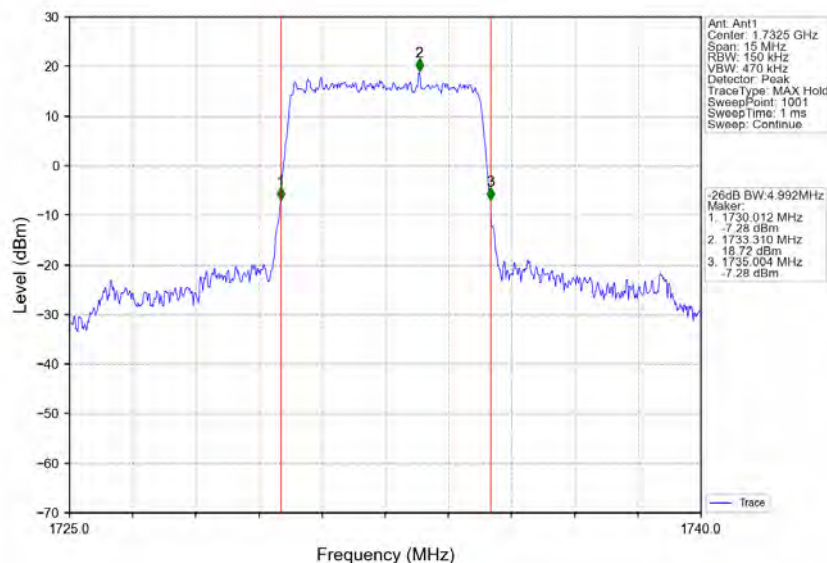
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Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



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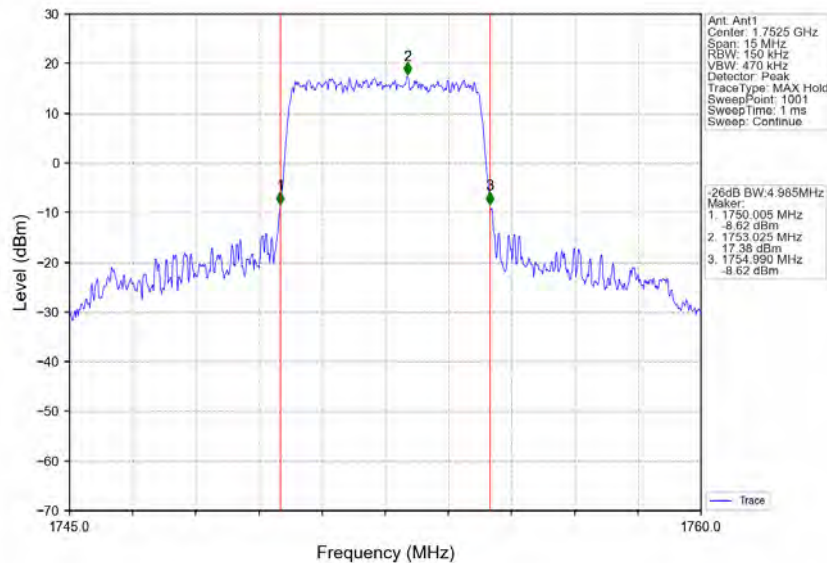
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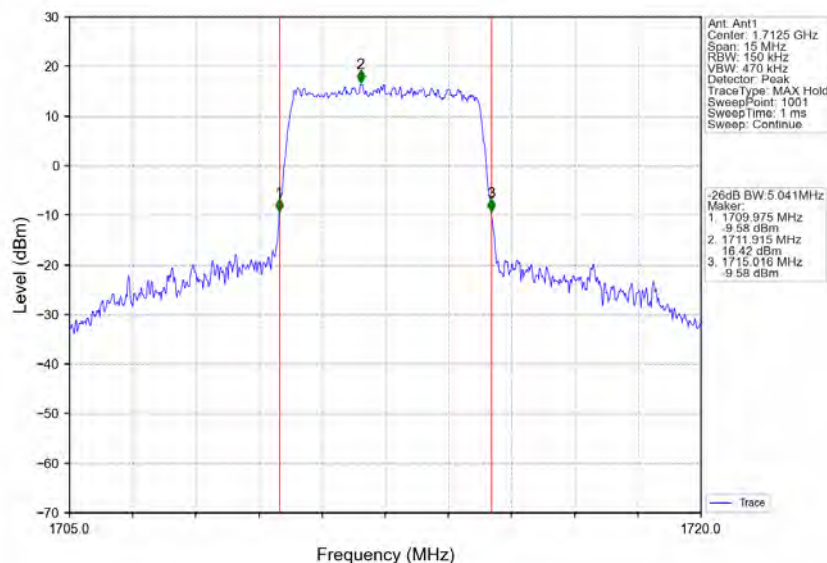
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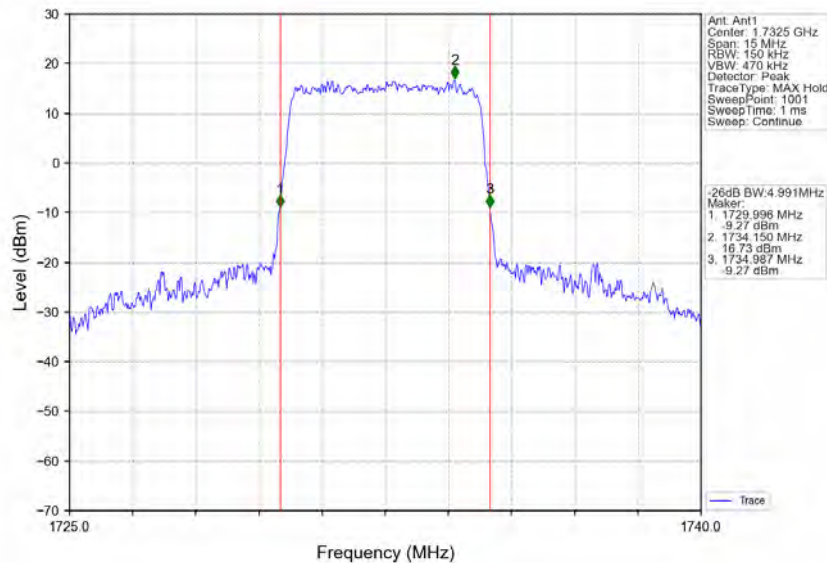
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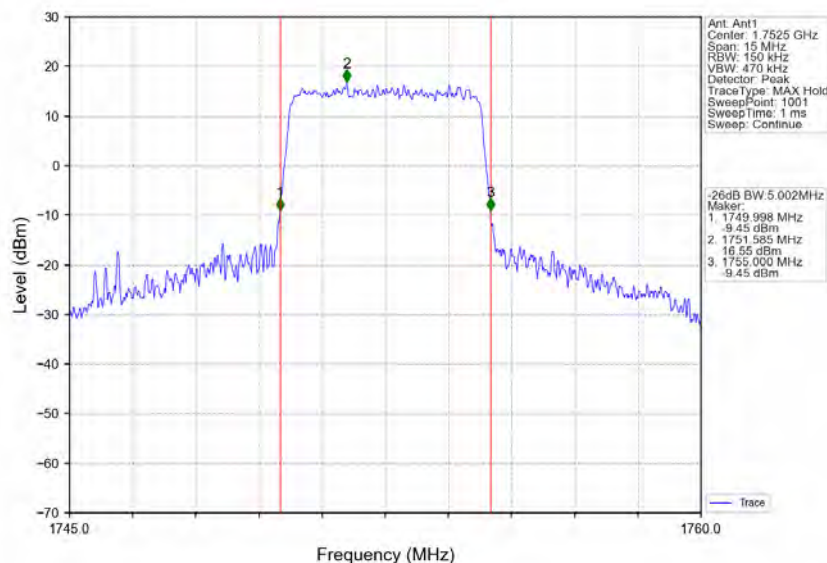
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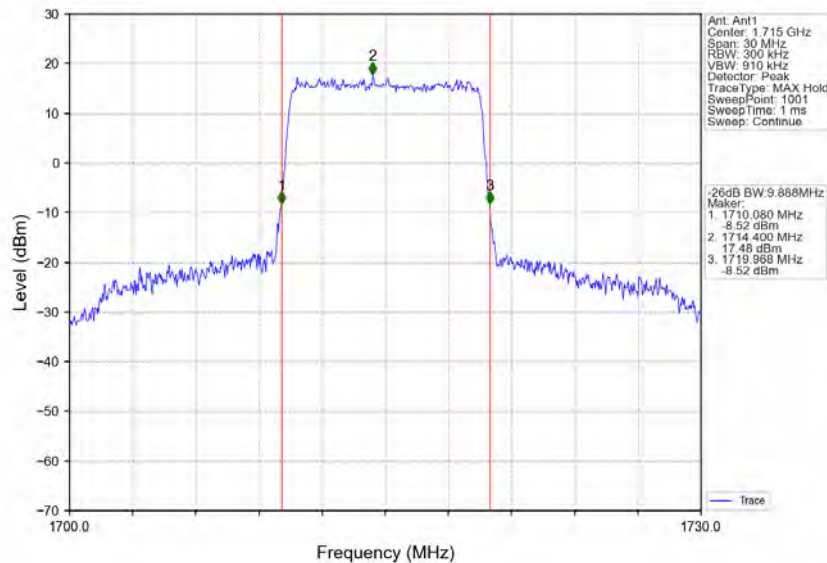
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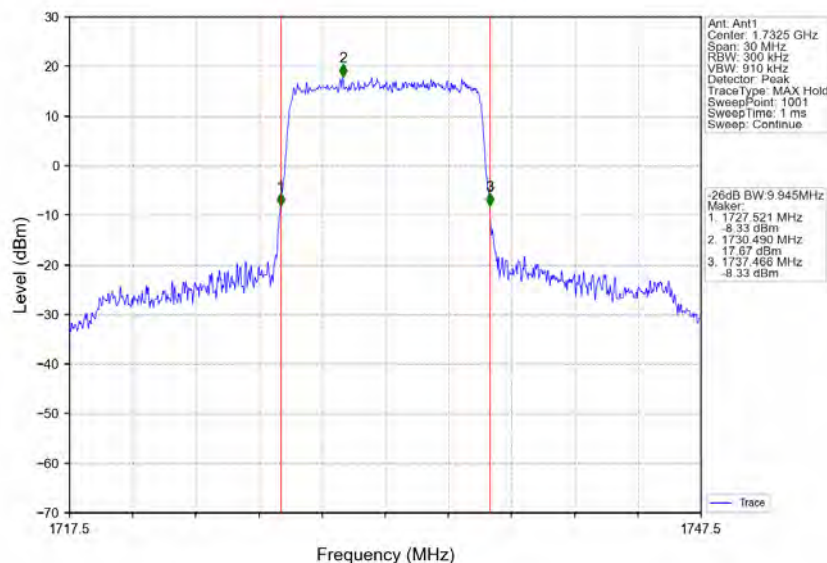
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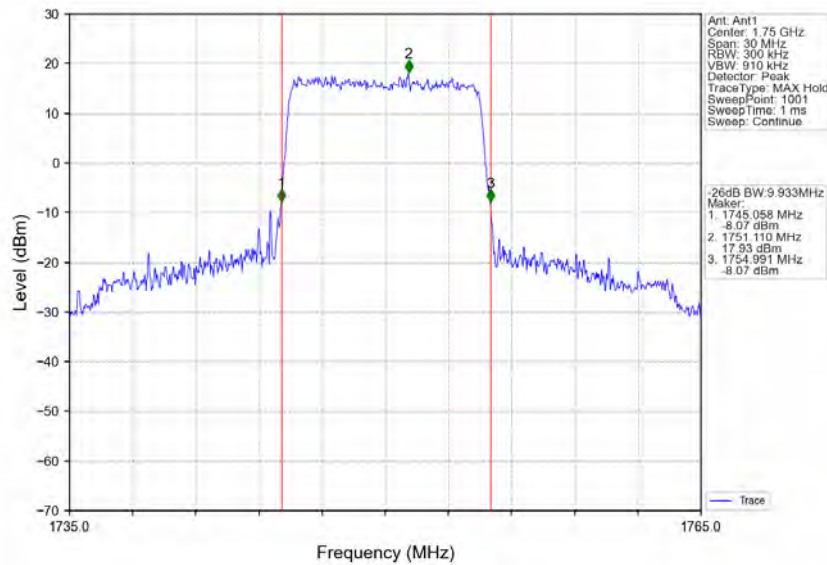
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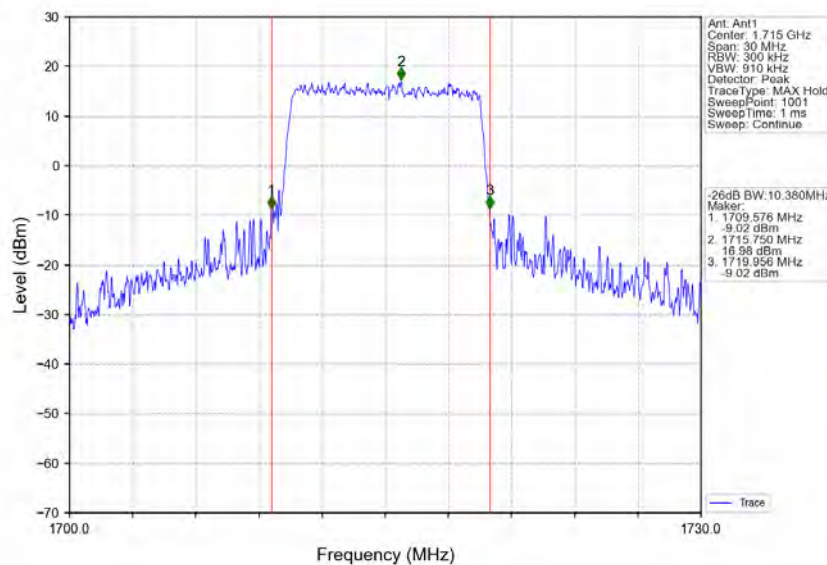
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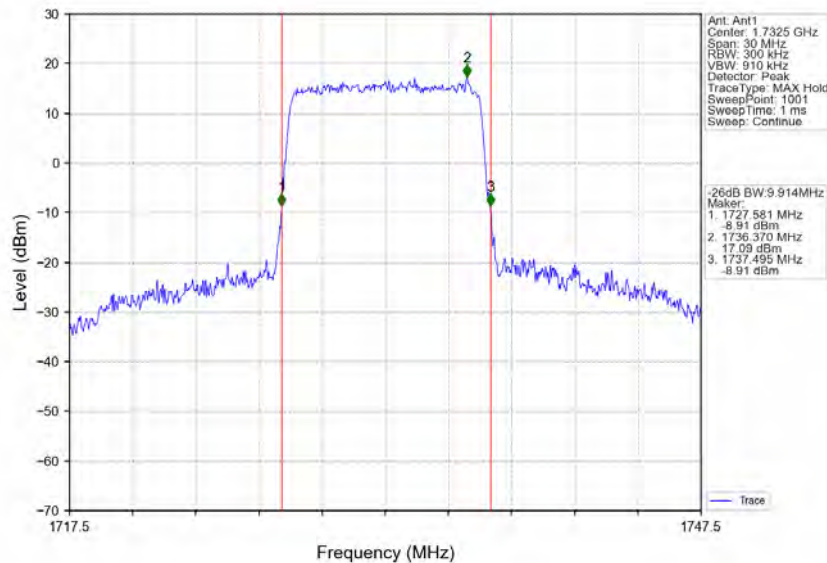
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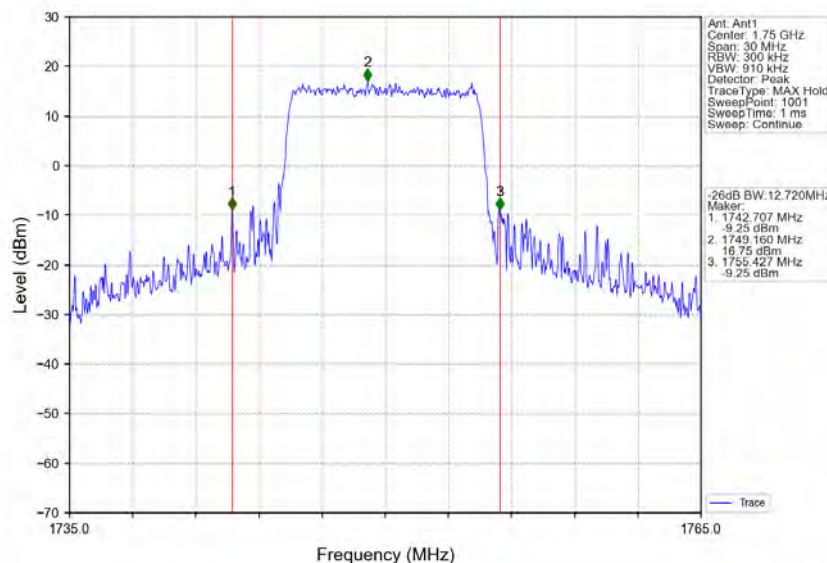
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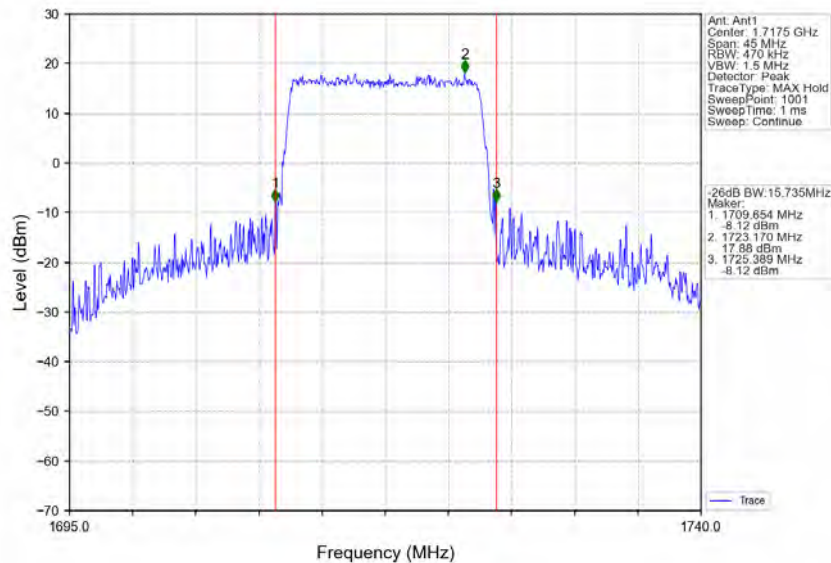
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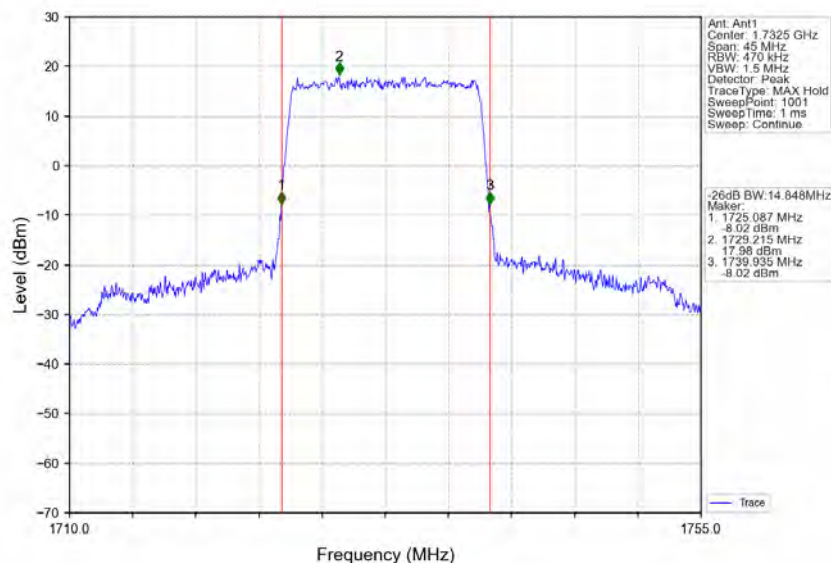
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Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



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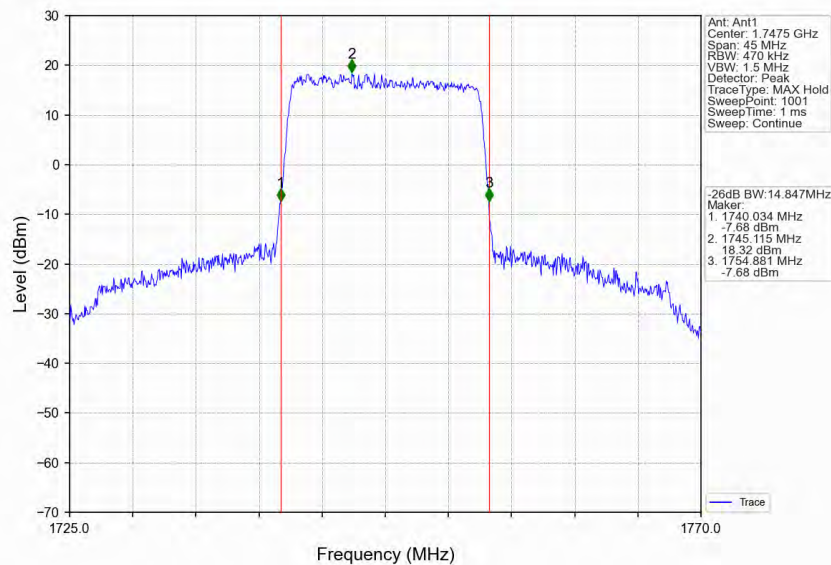
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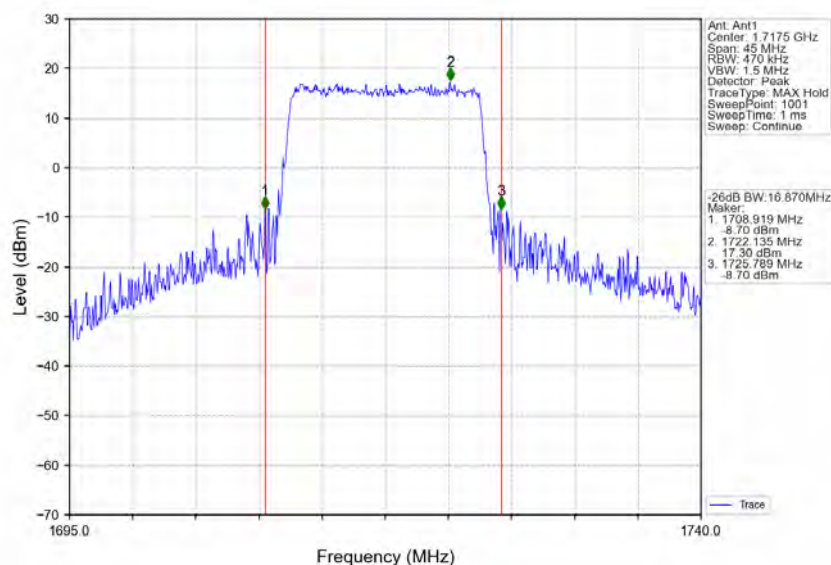
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Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



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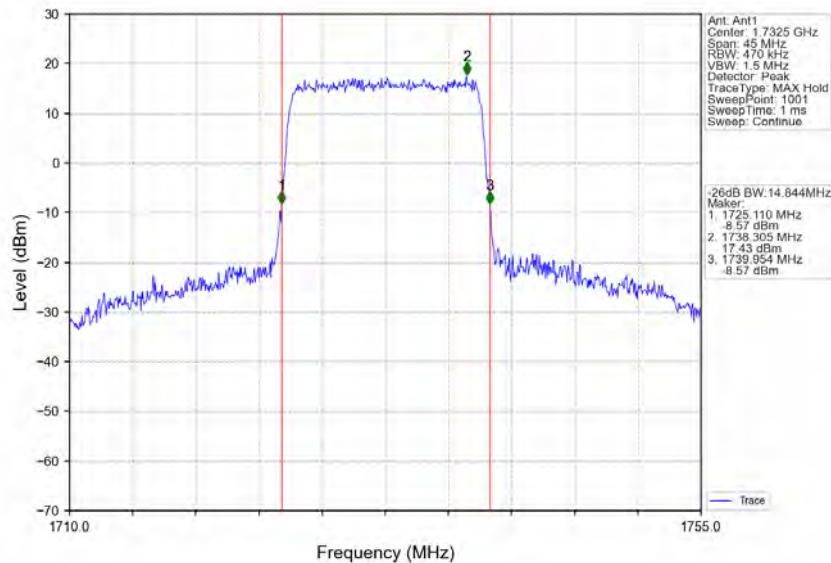
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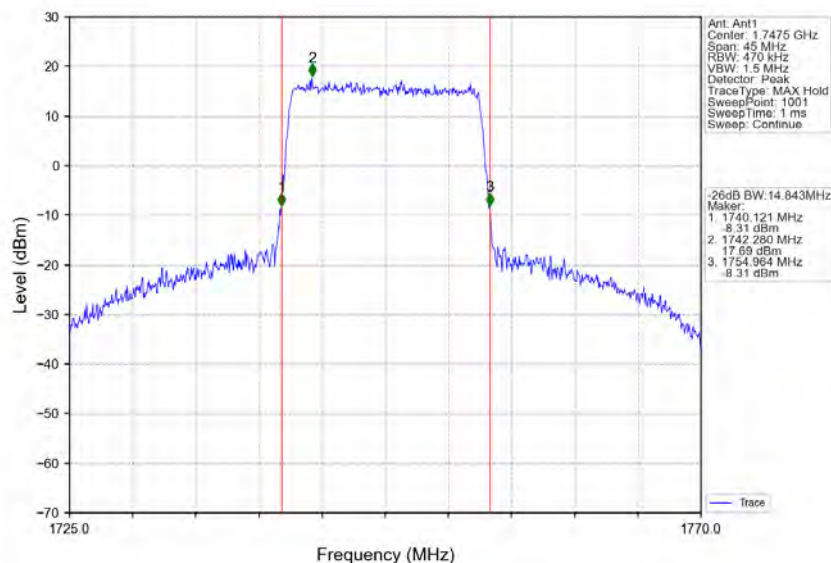
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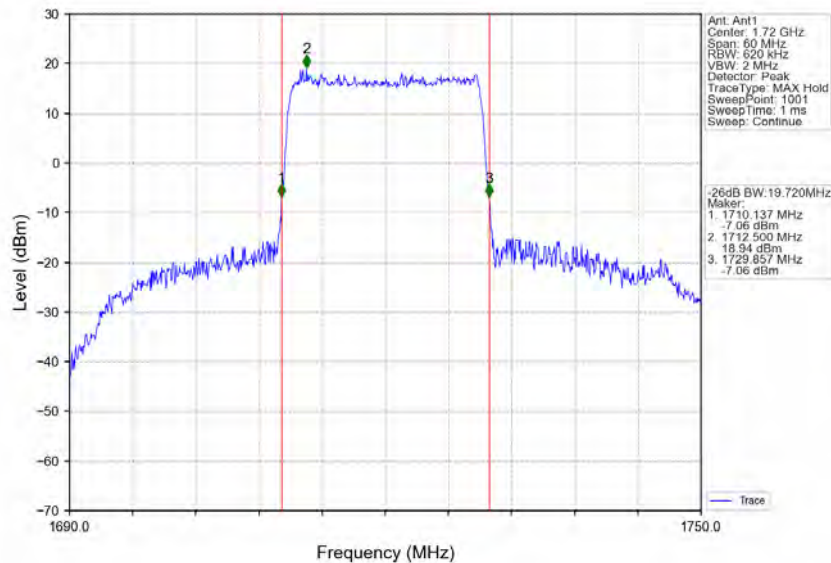
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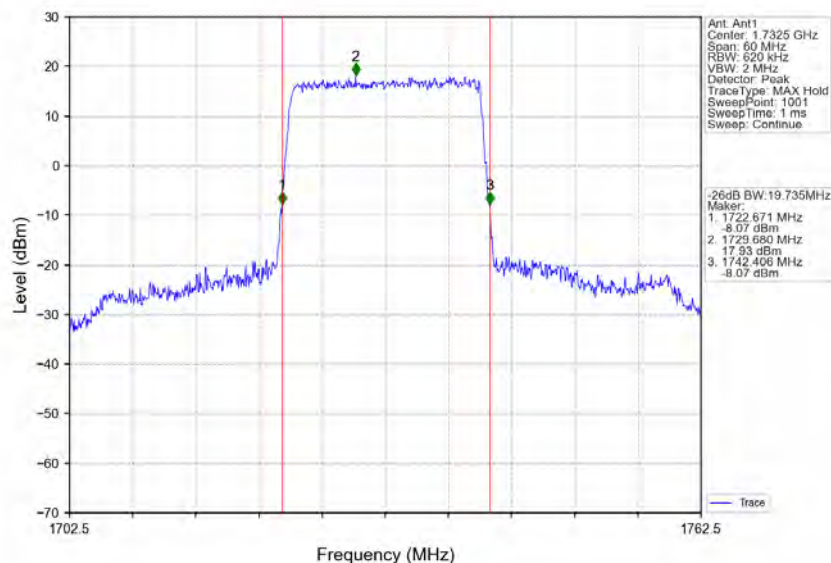
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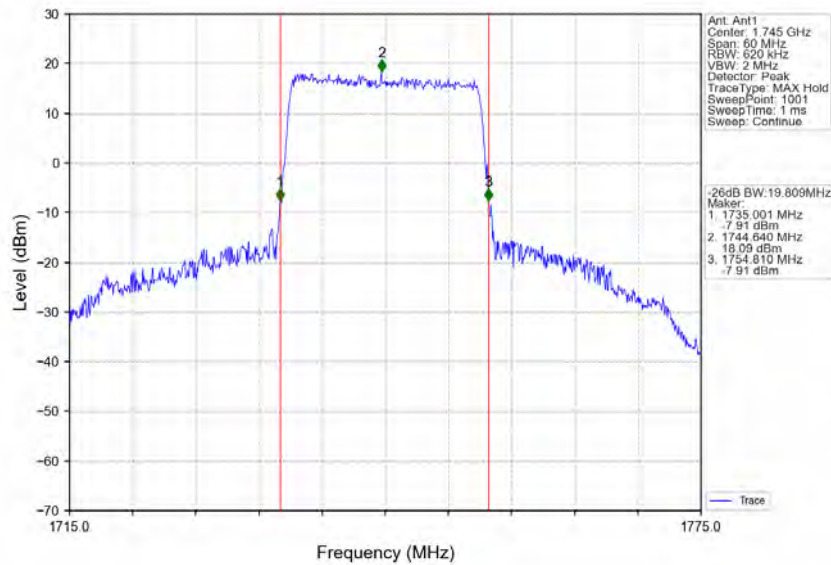


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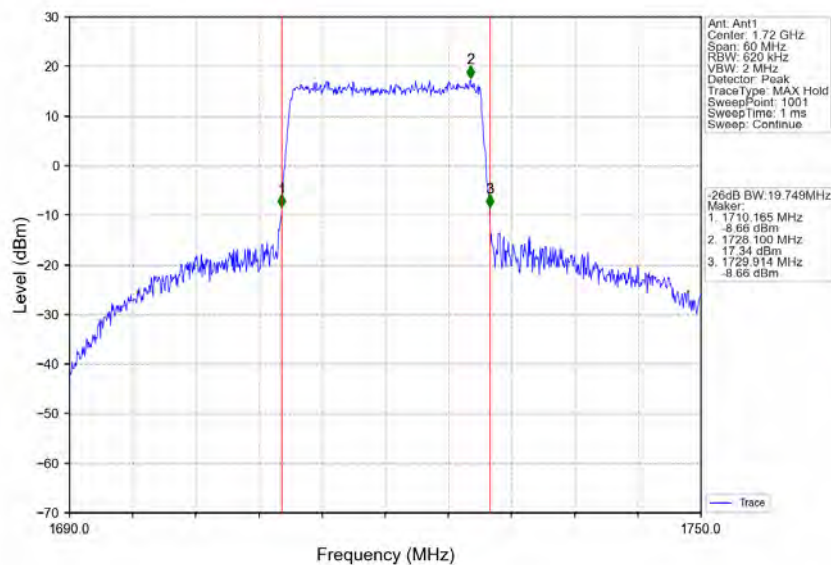
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Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



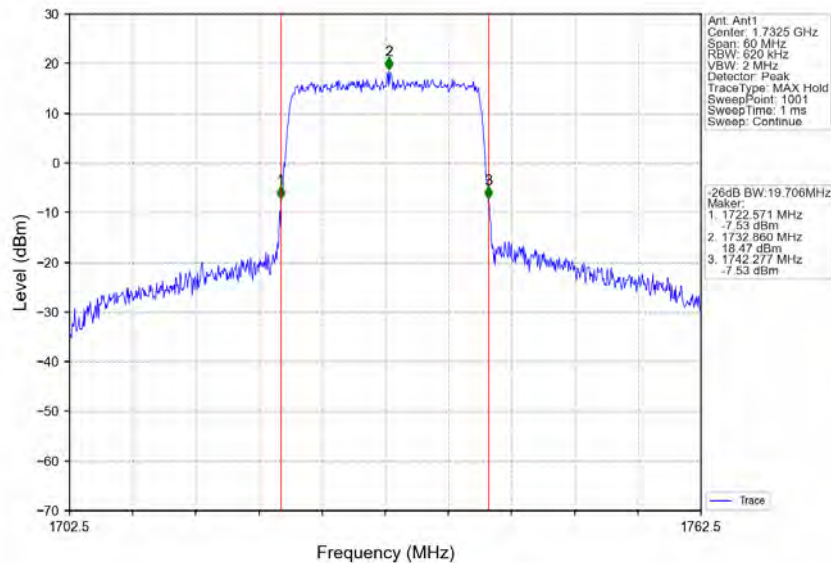
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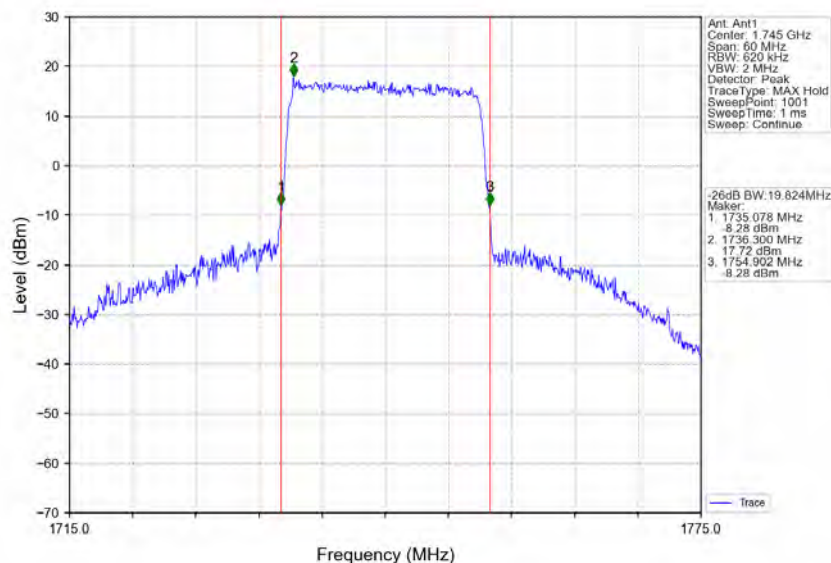
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Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



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4. Peak-Average Ratio

4.1 B4_1.4MHz

4.1.1 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	4.92	<=13	Pass
	1732.5	6	0	5.09	<=13	Pass
	1754.3	6	0	4.76	<=13	Pass
16QAM	1710.7	6	0	5.83	<=13	Pass
	1732.5	6	0	5.93	<=13	Pass
	1754.3	6	0	5.60	<=13	Pass



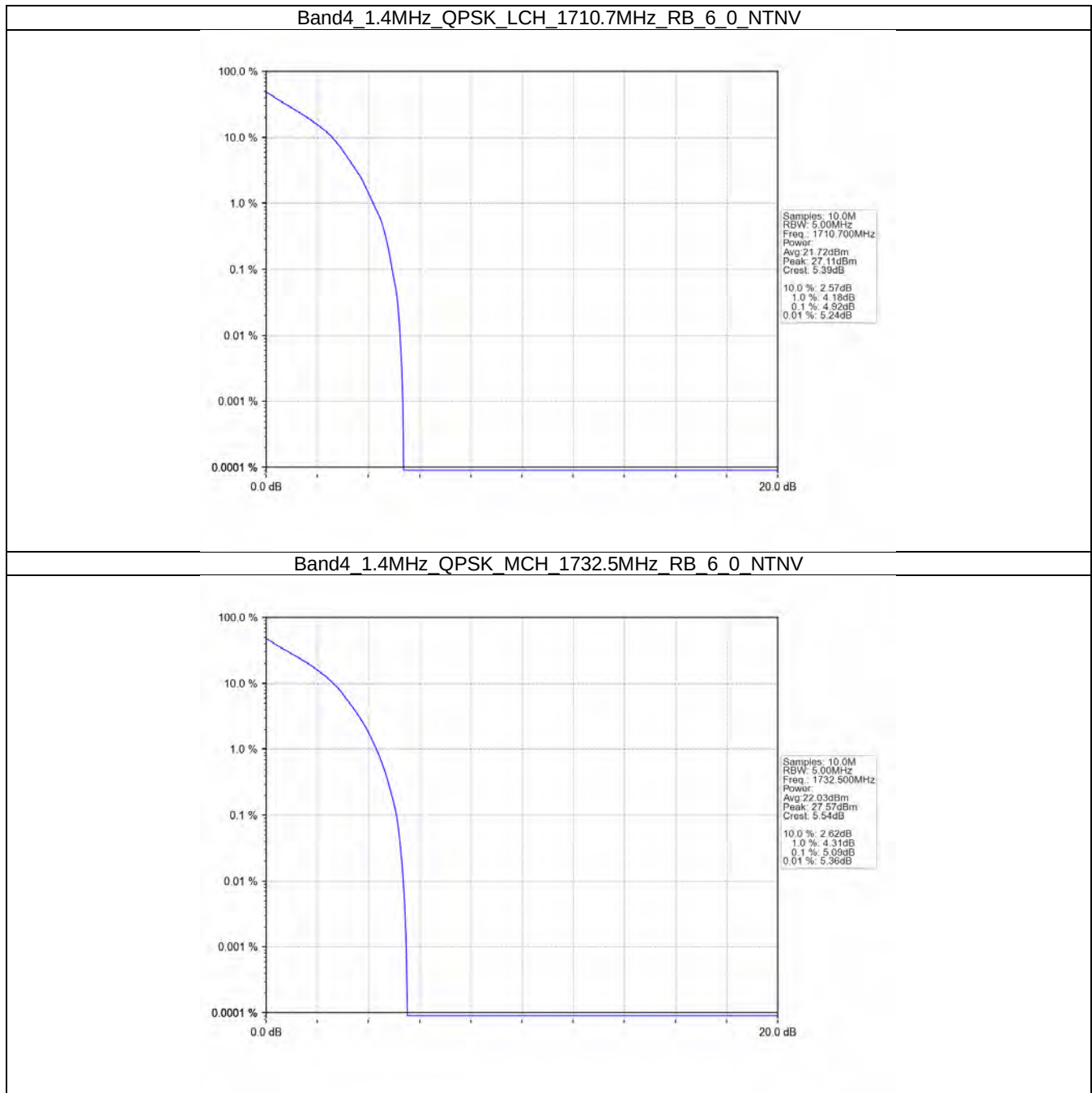
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4.1.2 Test Graph



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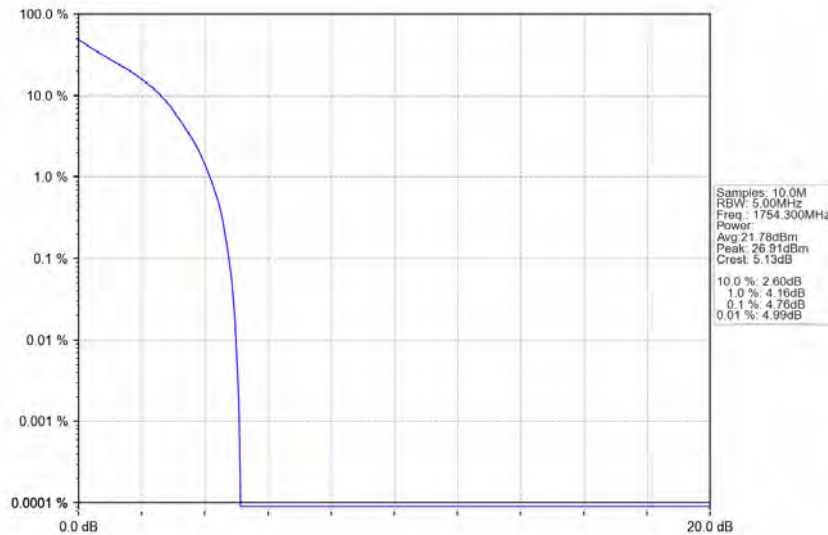
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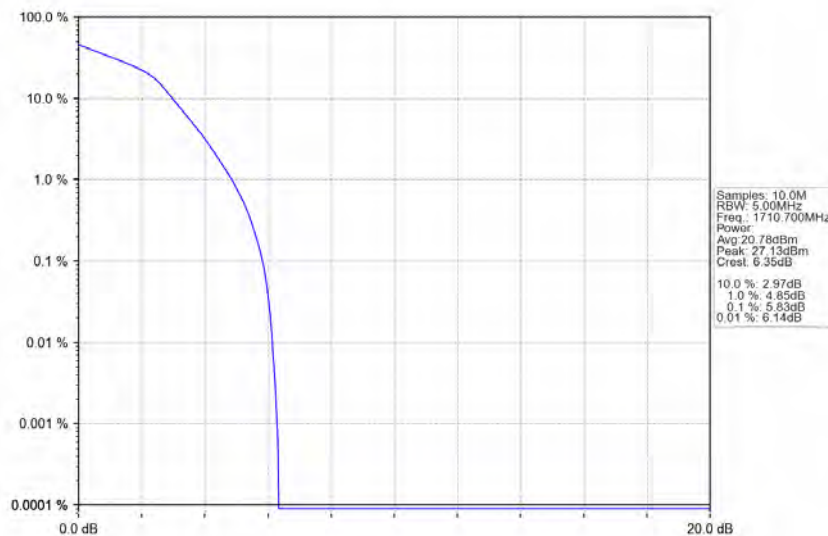
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Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



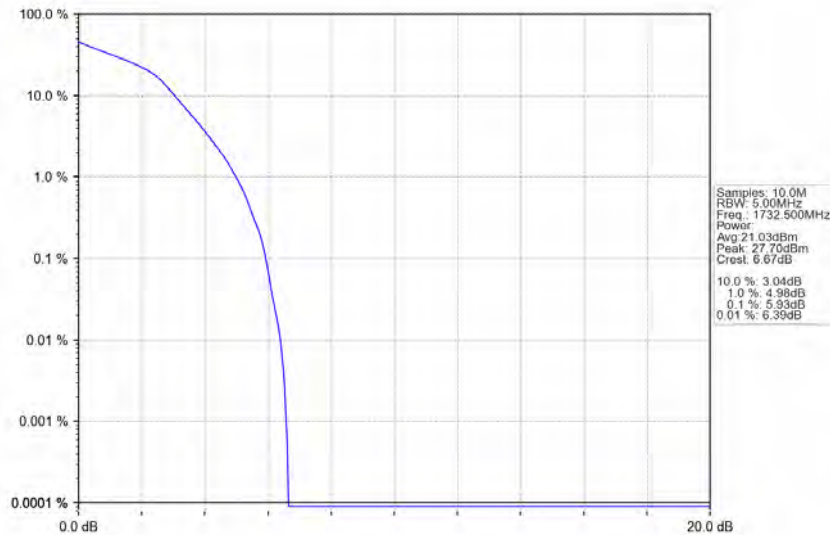
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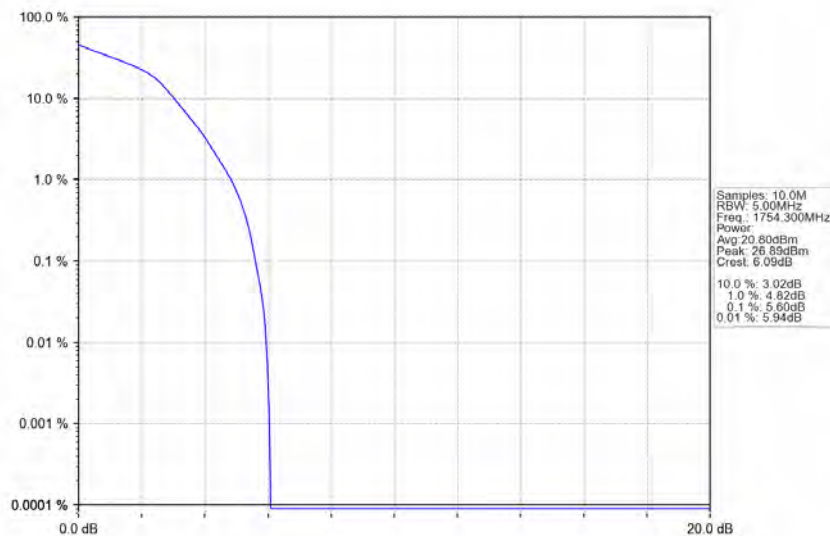
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Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



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4.2 B4_3MHz

4.2.1 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	5.20	<=13	Pass
	1732.5	15	0	5.19	<=13	Pass
	1753.5	15	0	5.03	<=13	Pass
16QAM	1711.5	15	0	6.04	<=13	Pass
	1732.5	15	0	6.02	<=13	Pass
	1753.5	15	0	5.84	<=13	Pass



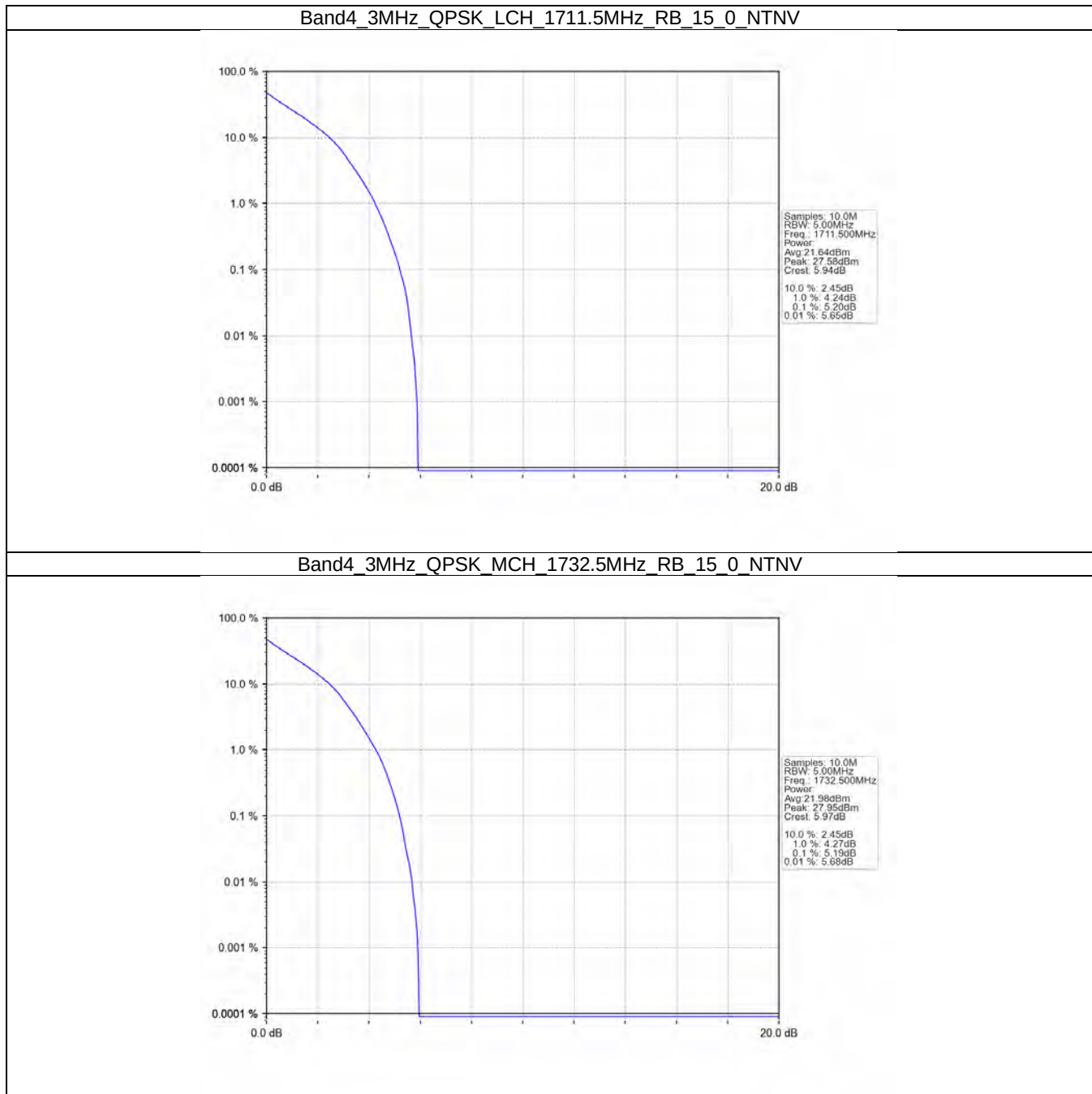
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4.2.2 Test Graph



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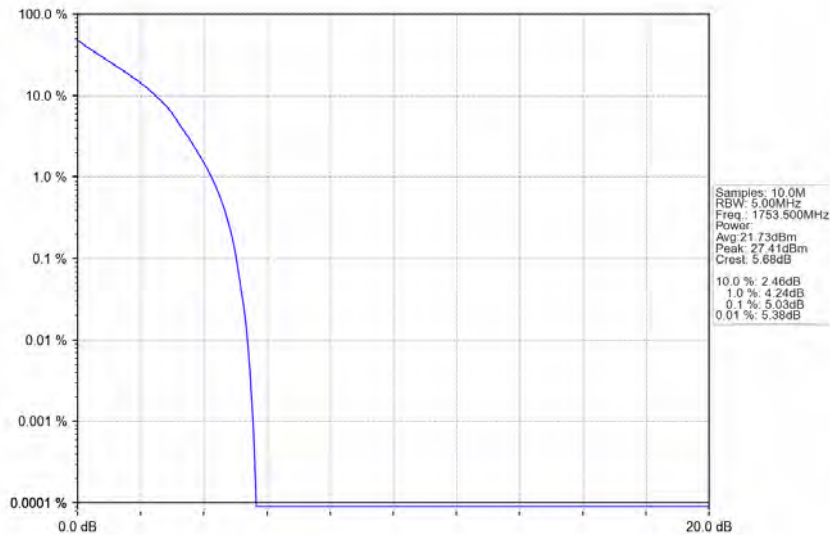
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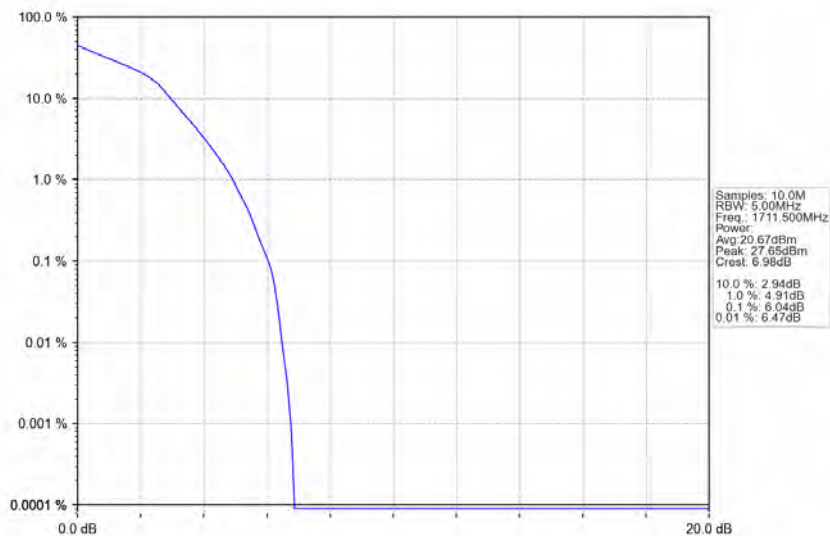
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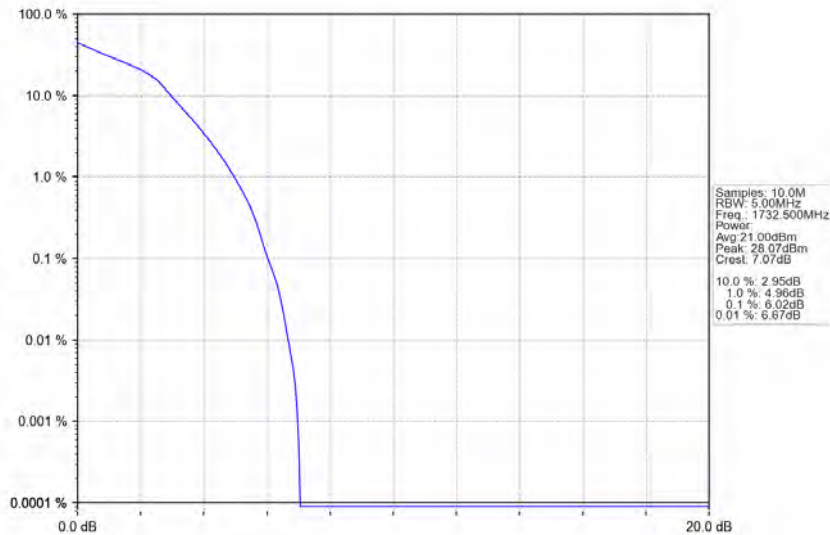
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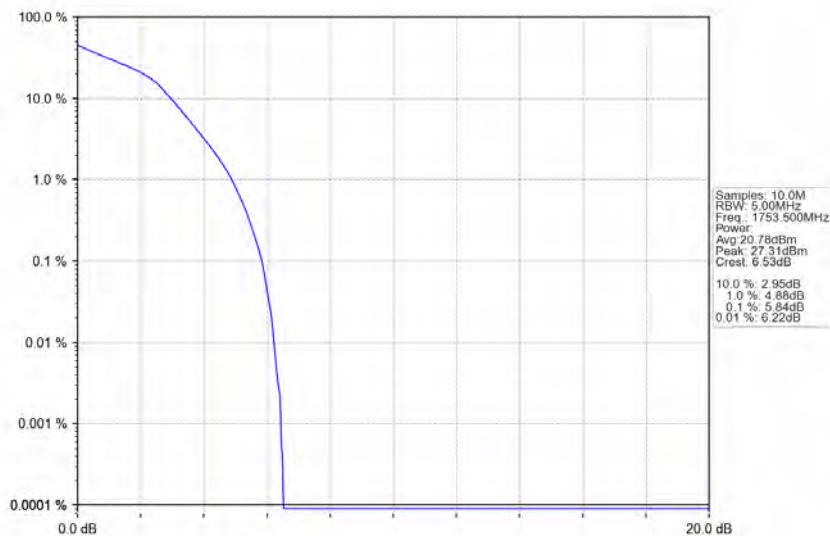
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Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



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4.3 B4_5MHz

4.3.1 Test Result

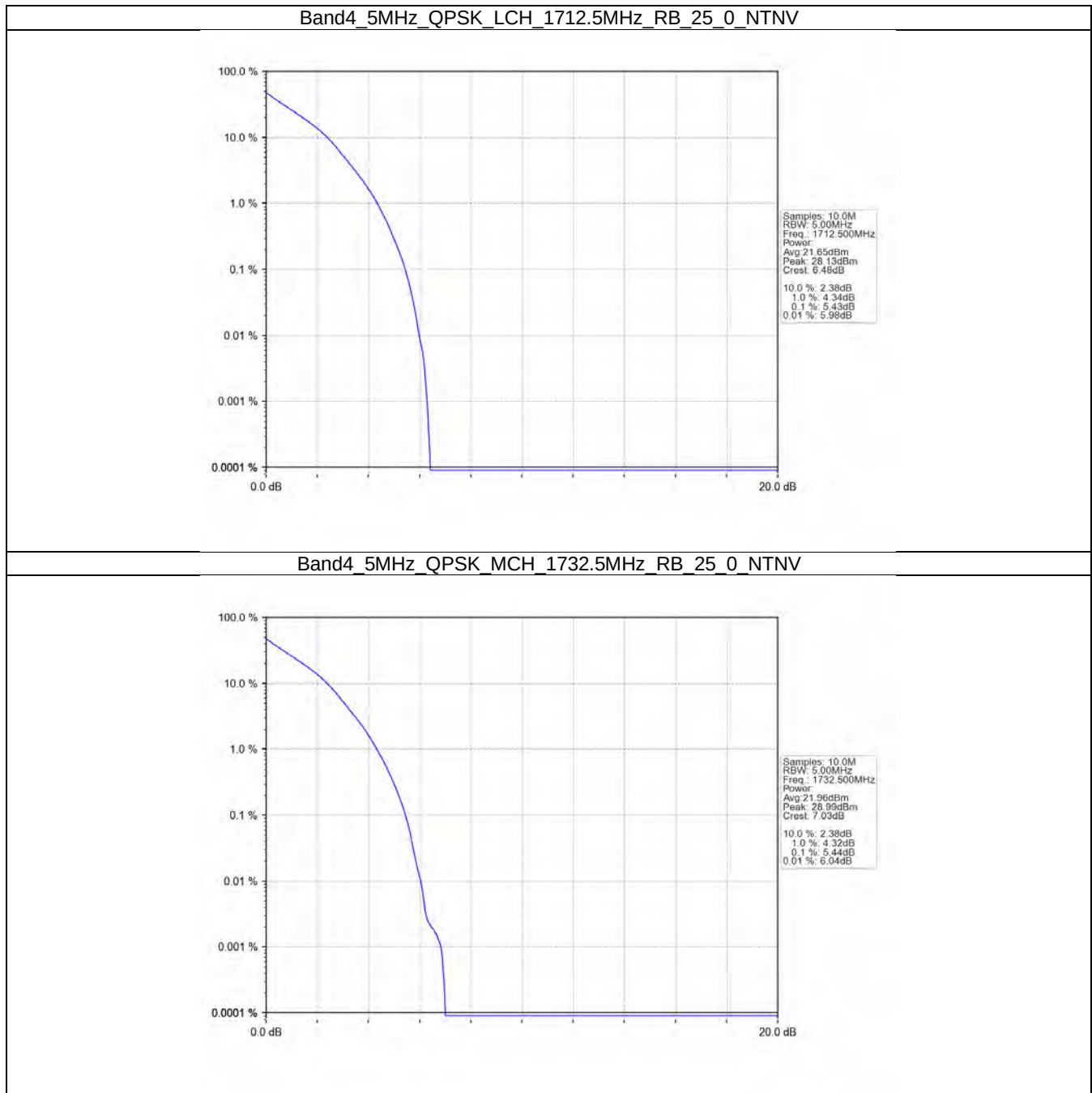
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.43	<=13	Pass
	1732.5	25	0	5.44	<=13	Pass
	1752.5	25	0	5.27	<=13	Pass
16QAM	1712.5	25	0	6.09	<=13	Pass
	1732.5	25	0	6.24	<=13	Pass
	1752.5	25	0	6.04	<=13	Pass



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4.3.2 Test Graph



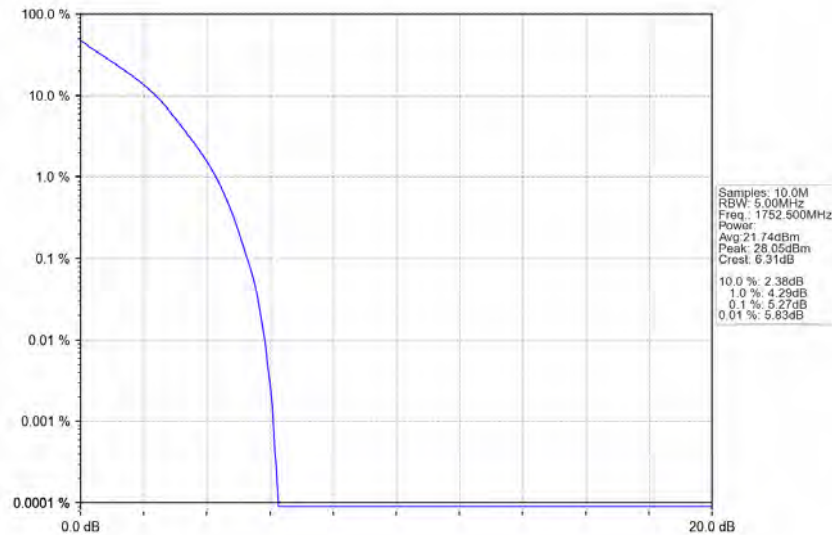
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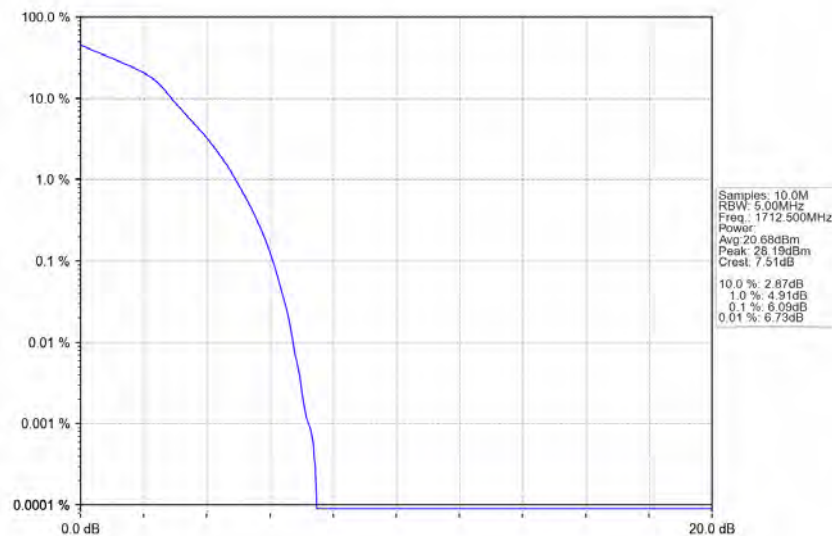
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Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



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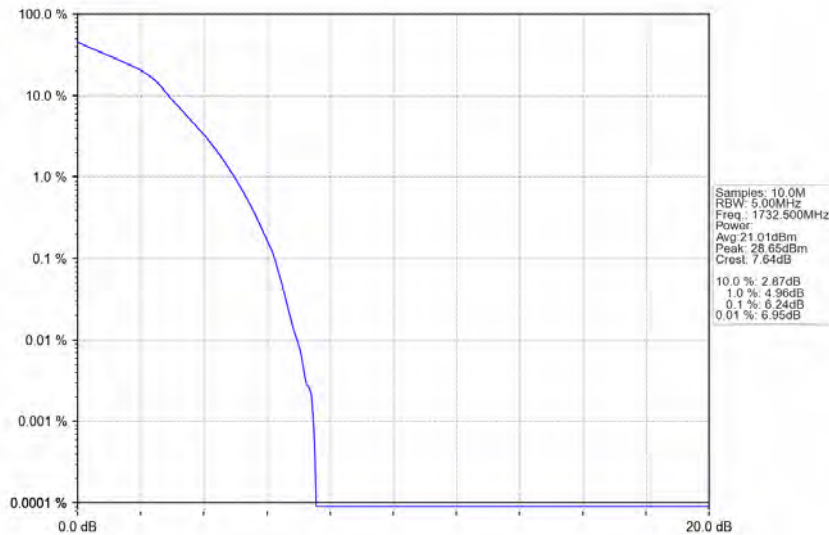
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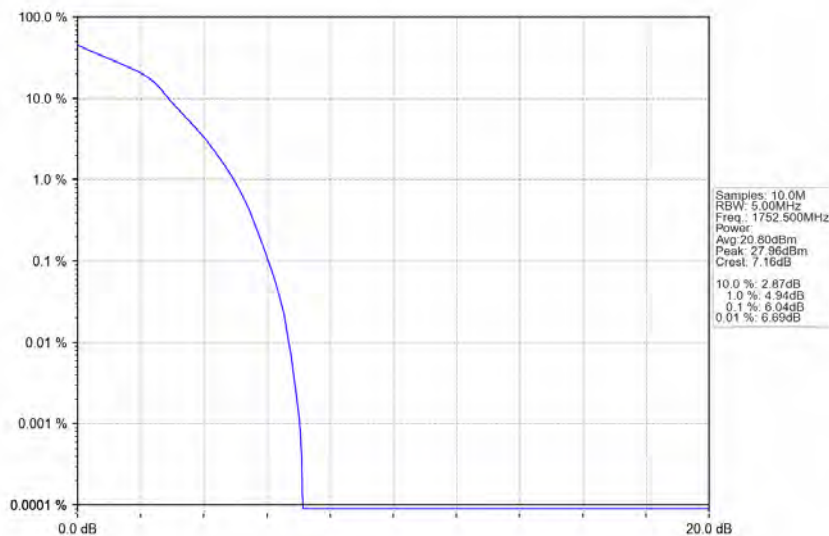
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Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



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4.4 B4_10MHz

4.4.1 Test Result

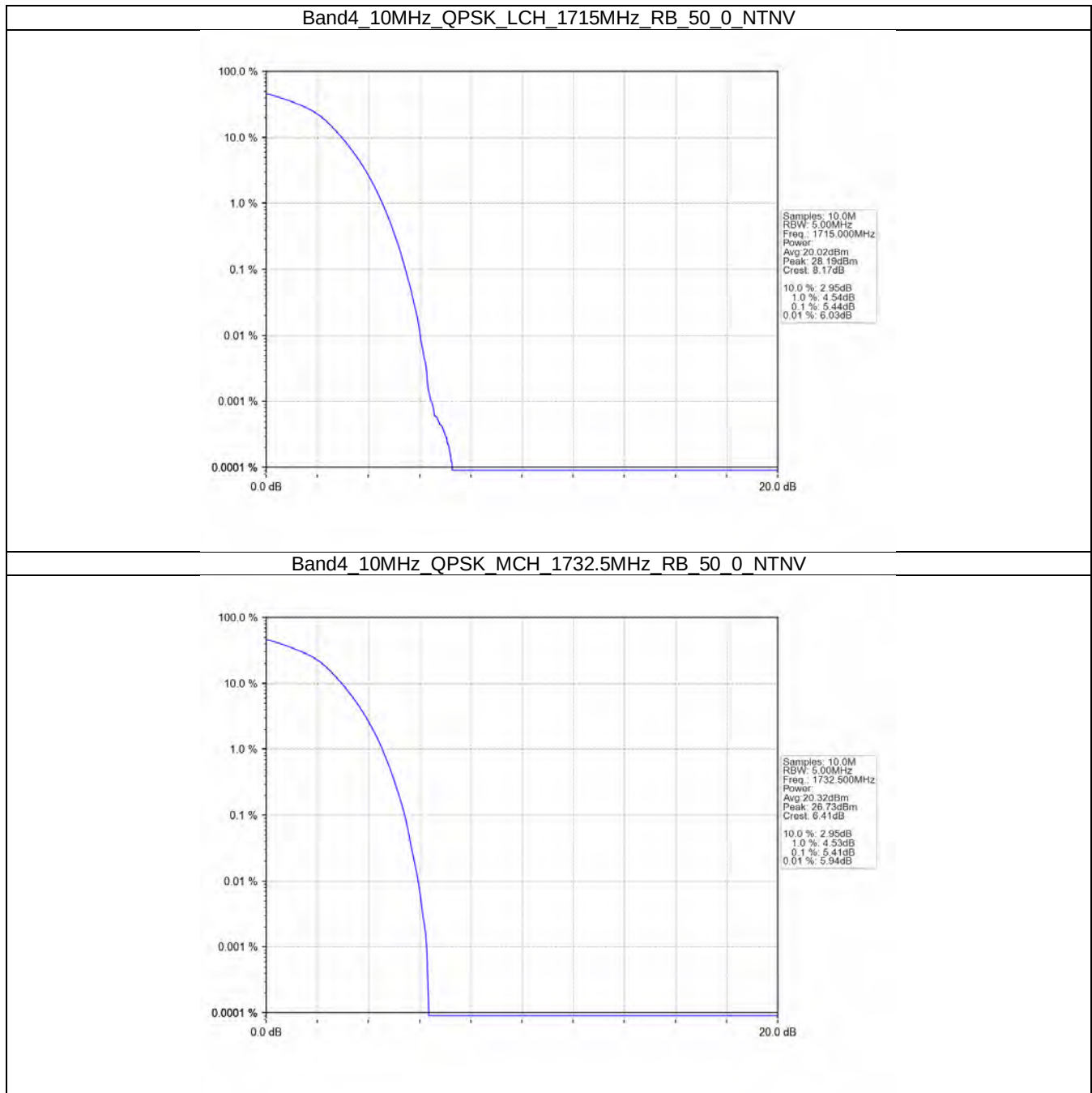
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.44	<=13	Pass
	1732.5	50	0	5.41	<=13	Pass
	1750	50	0	5.42	<=13	Pass
16QAM	1715	50	0	6.53	<=13	Pass
	1732.5	50	0	6.46	<=13	Pass
	1750	50	0	6.54	<=13	Pass



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4.4.2 Test Graph



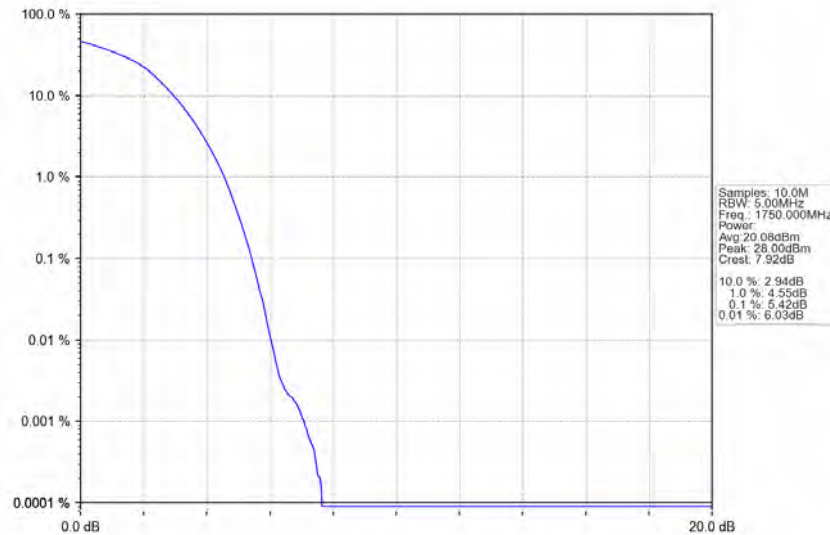
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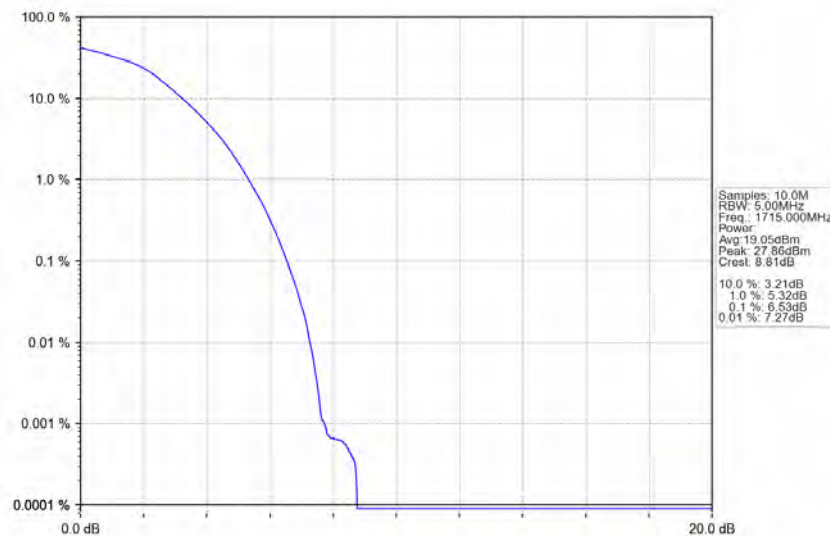
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Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



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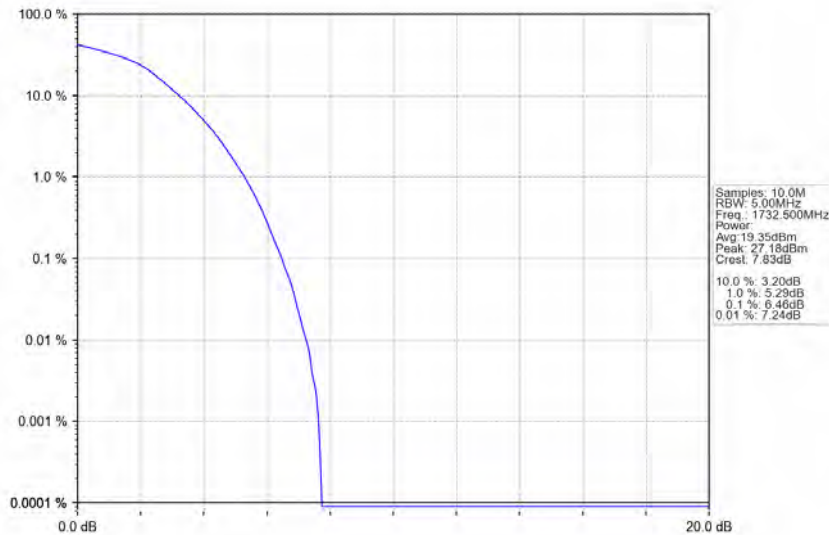
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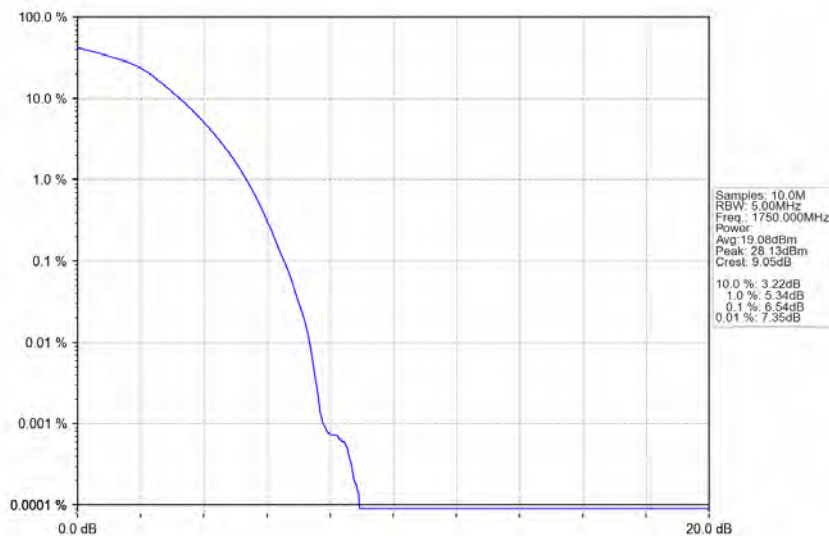
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Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



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4.5 B4_15MHz

4.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	6.37	<=13	Pass
	1732.5	75	0	6.30	<=13	Pass
	1747.5	75	0	6.31	<=13	Pass
16QAM	1717.5	75	0	7.04	<=13	Pass
	1732.5	75	0	7.05	<=13	Pass
	1747.5	75	0	7.10	<=13	Pass



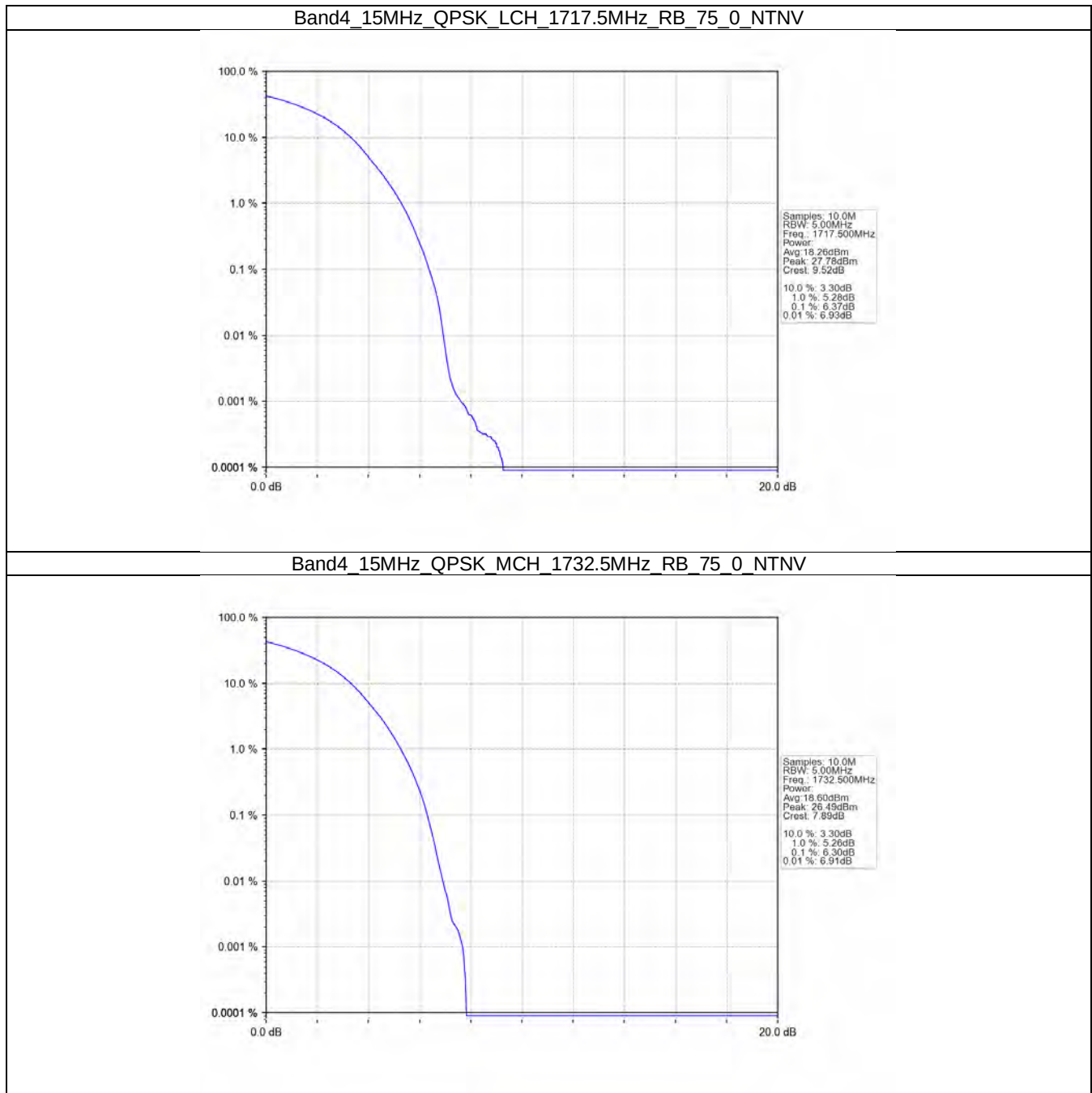
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4.5.2 Test Graph



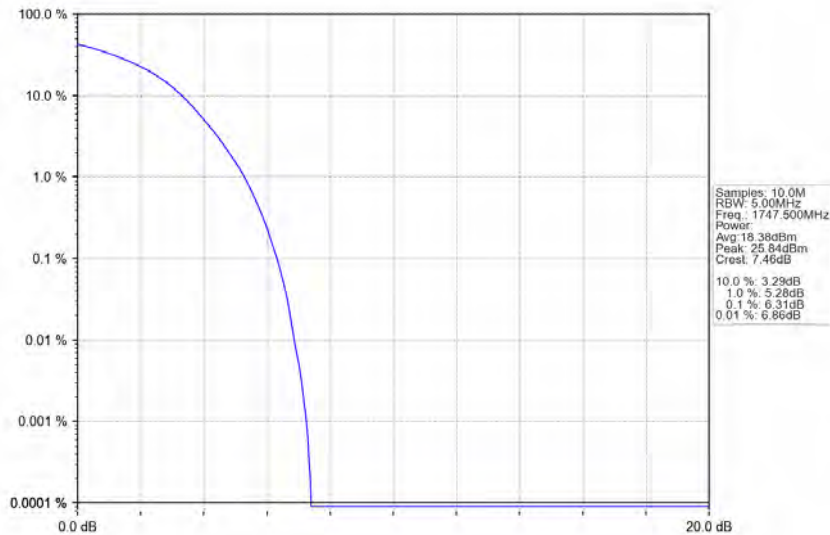
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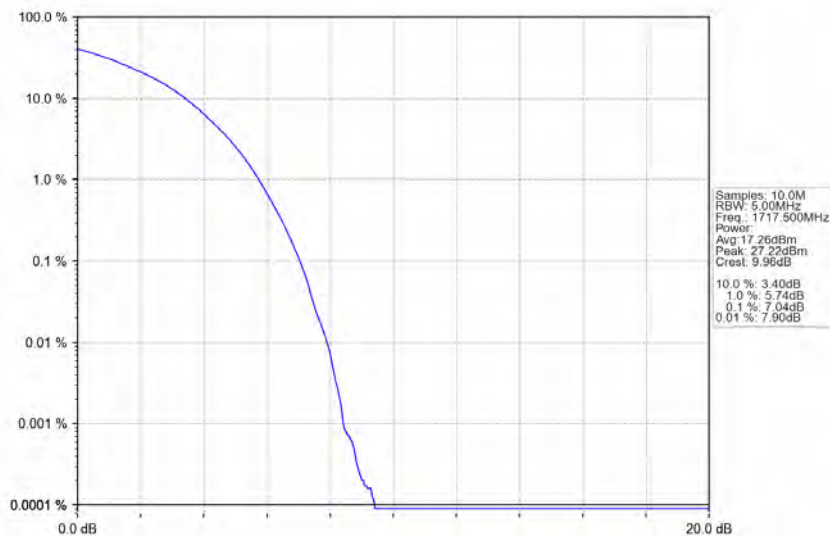
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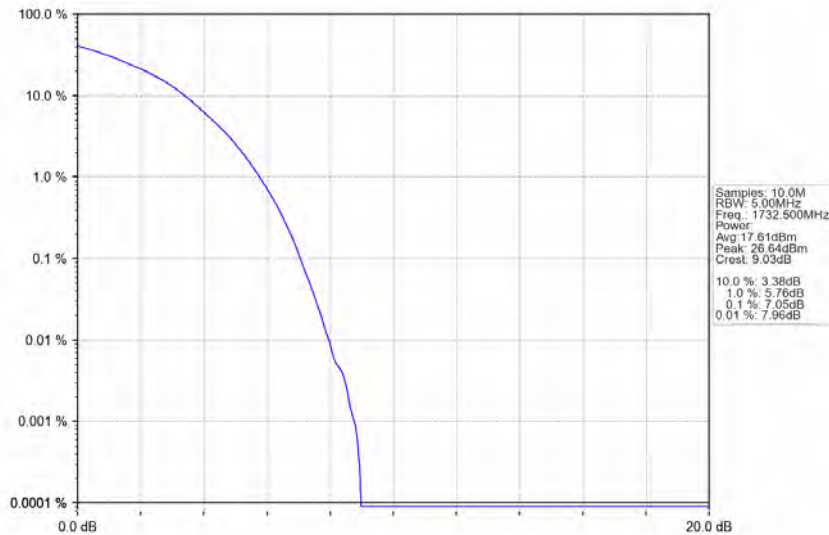
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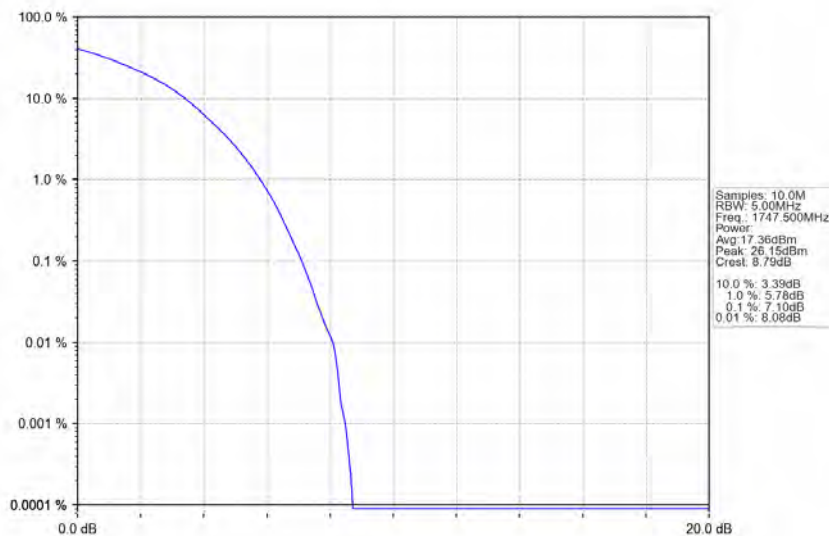
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Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



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4.6 B4_20MHz

4.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	6.86	<=13	Pass
	1732.5	100	0	6.84	<=13	Pass
	1745	100	0	6.85	<=13	Pass
16QAM	1720	100	0	7.44	<=13	Pass
	1732.5	100	0	7.30	<=13	Pass
	1745	100	0	7.33	<=13	Pass



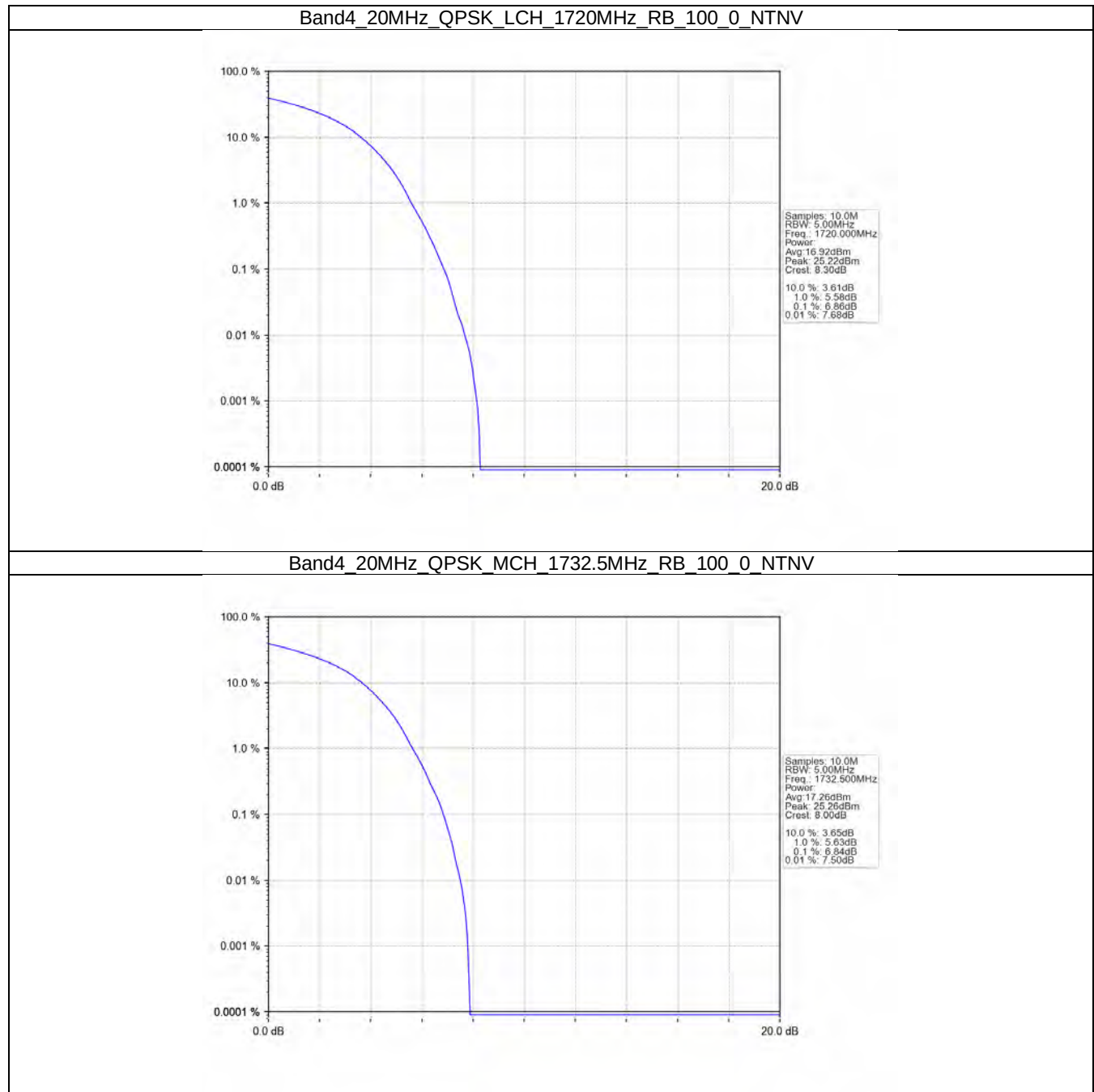
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4.6.2 Test Graph



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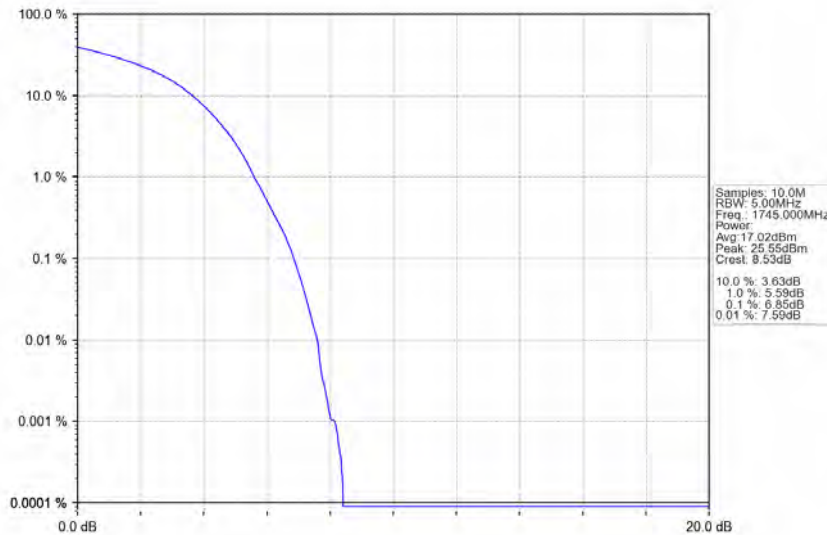
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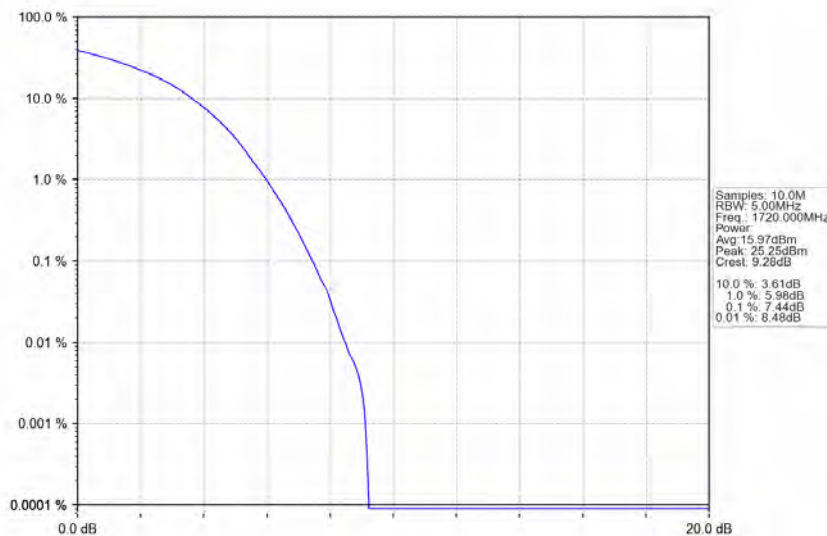
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Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



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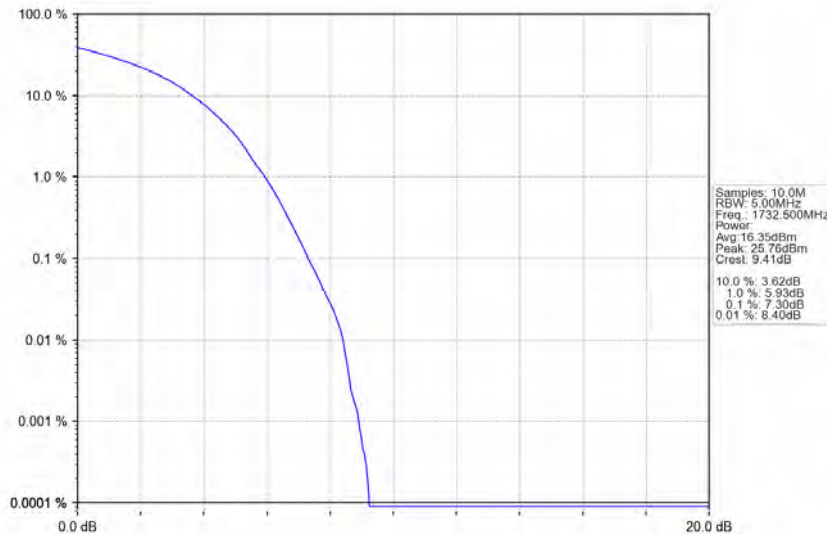
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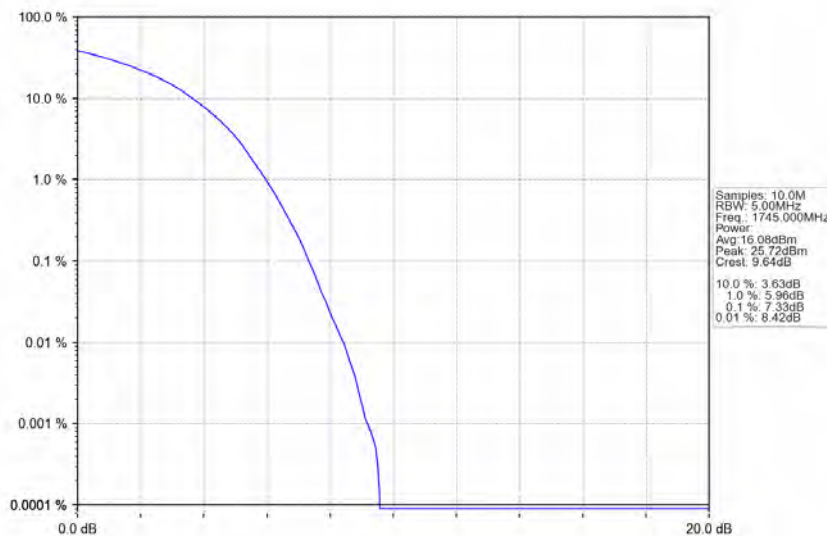
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Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



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5. Spurious Emission

5.1 B4_1.4MHz

5.1.1 Test Result

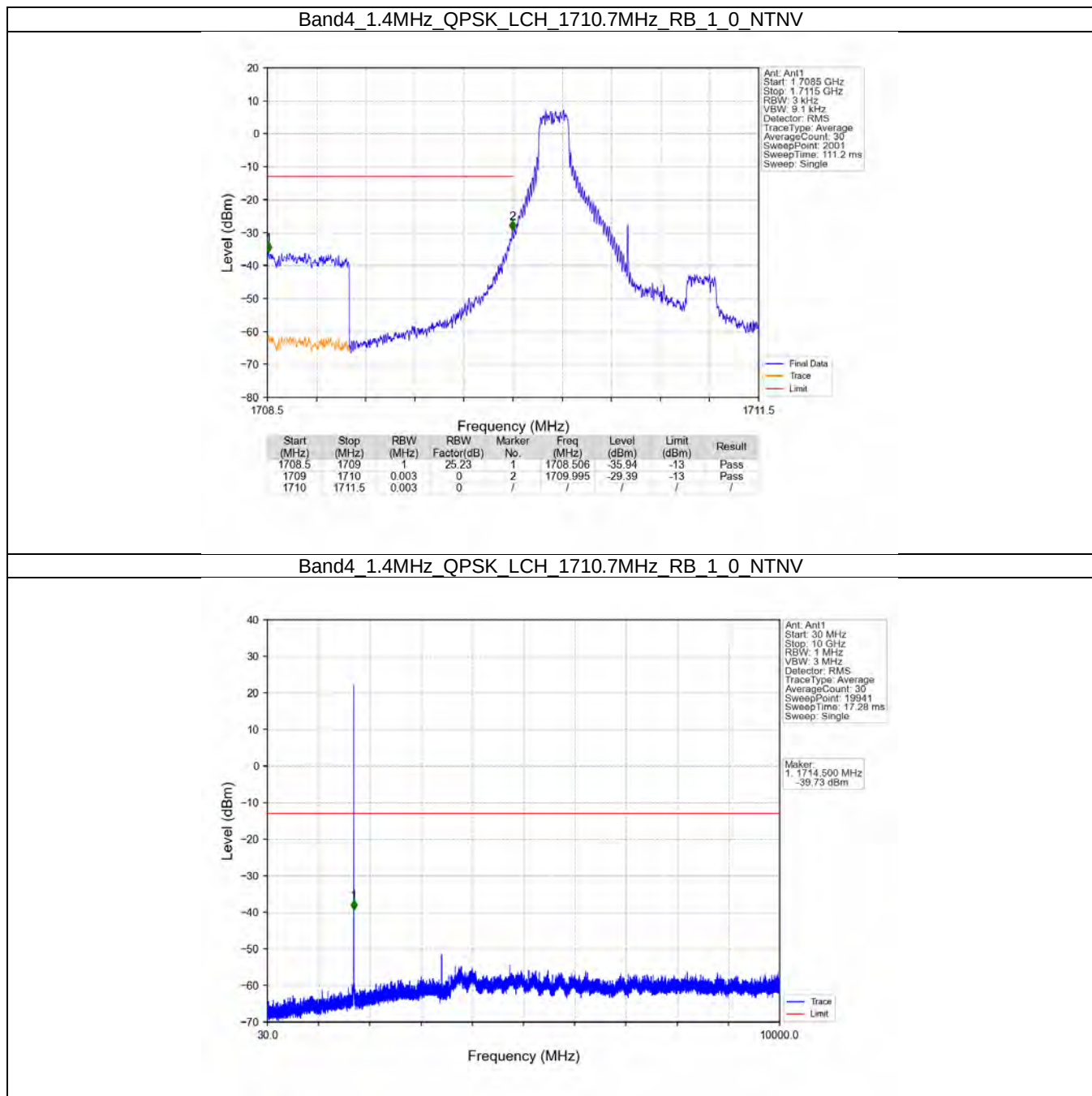
Band: 4 / Bandwidth: 1.4MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	1710.7	1	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			5	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
16QAM	1710.7	1	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			5	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass



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5.1.2 Test Graph



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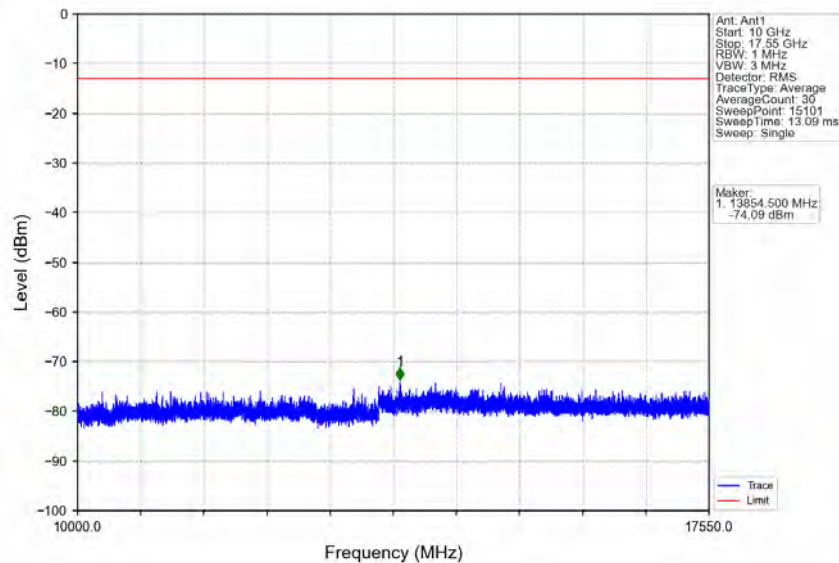
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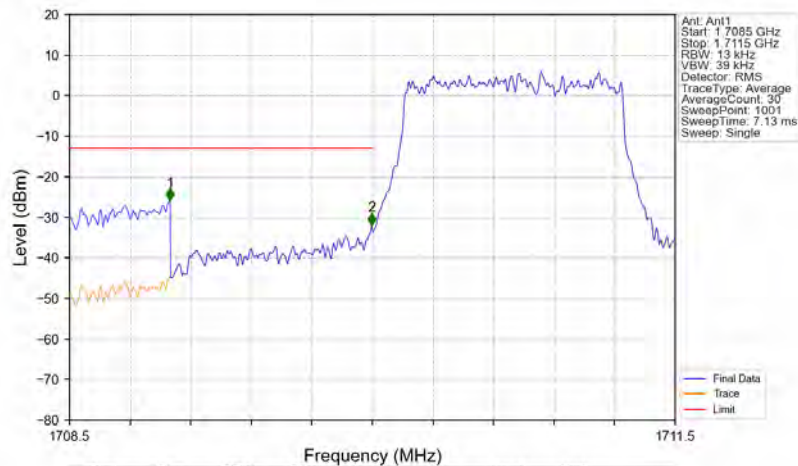
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Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTV



Band4 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	18.86	1	1708.998	-25.85	-13	Pass
1709	1710	0.013	0	2	1709.997	-31.95	-13	Pass
1710	1711.5	0.013	0	/	/	/	/	/



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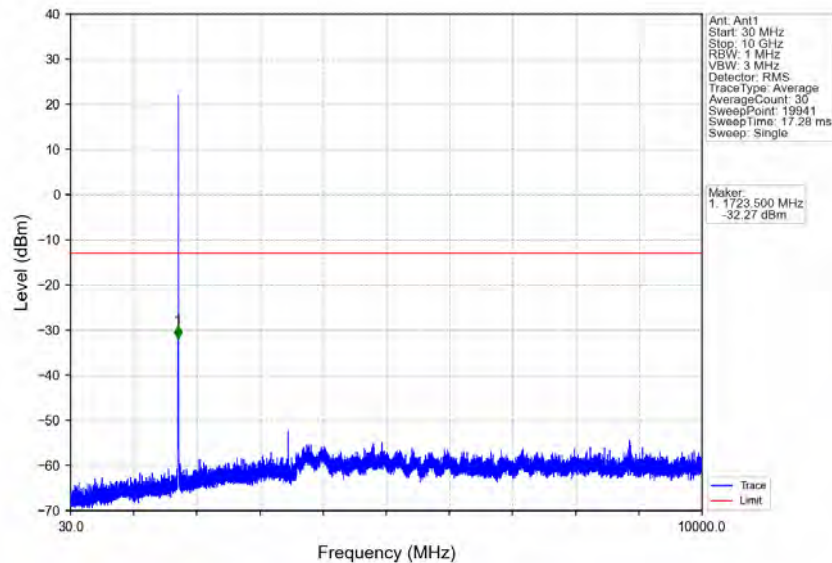
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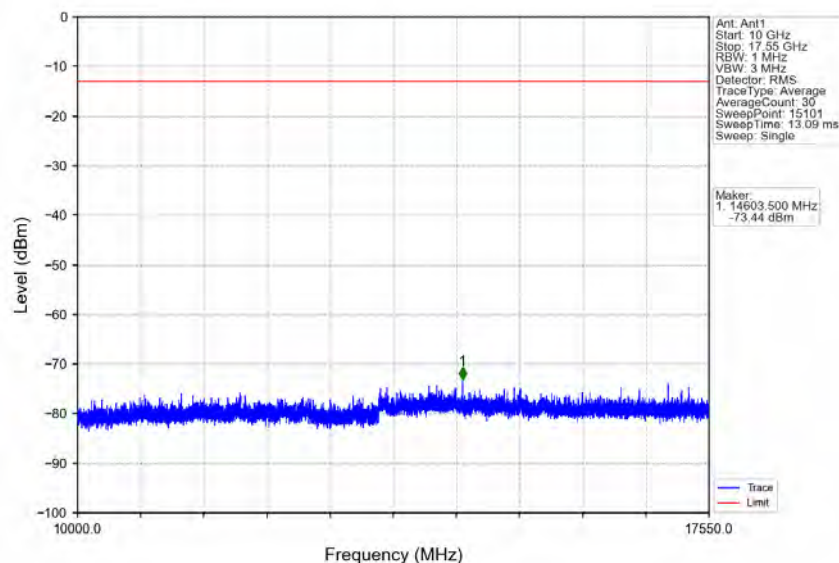
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Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



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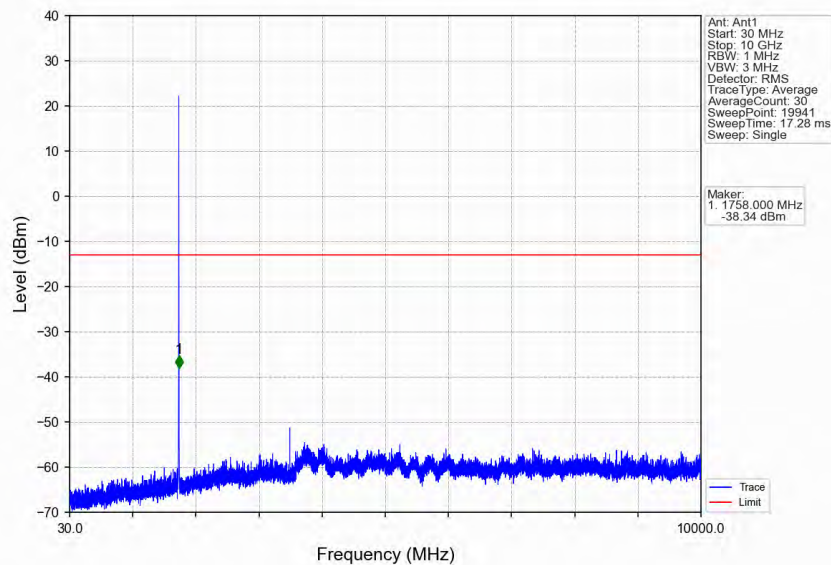
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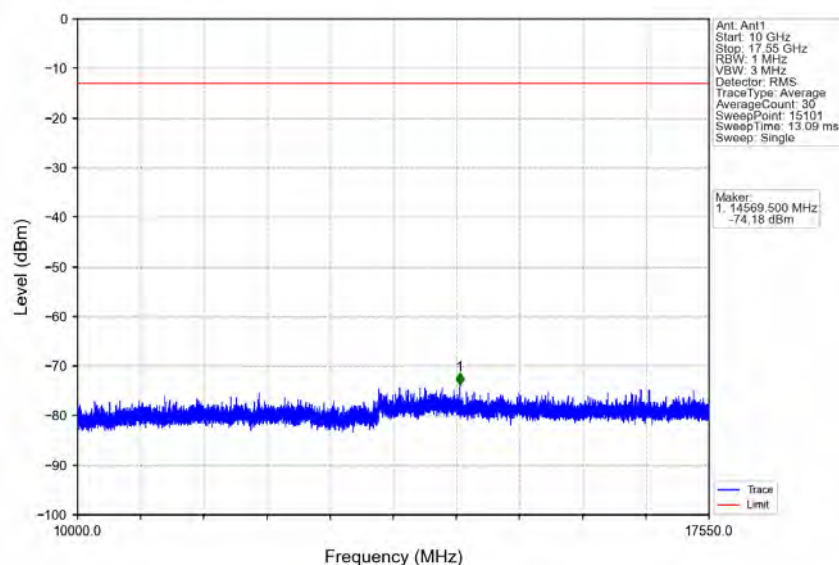
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Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTN



Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTN



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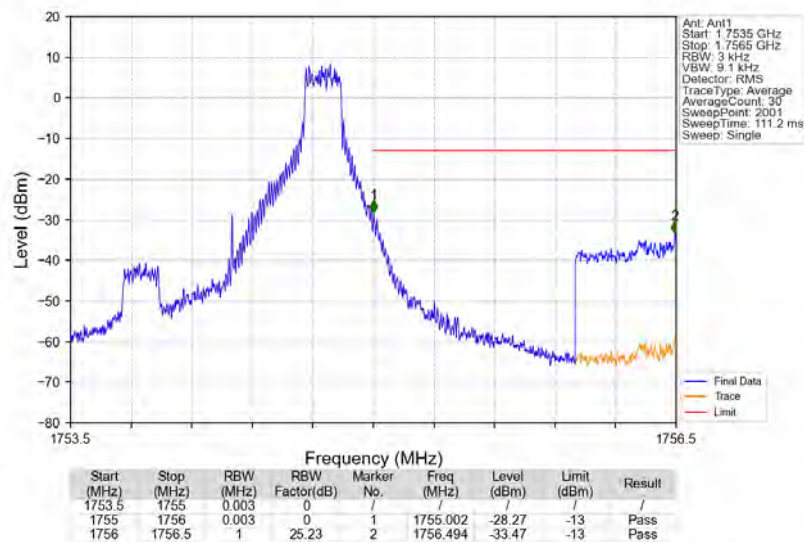
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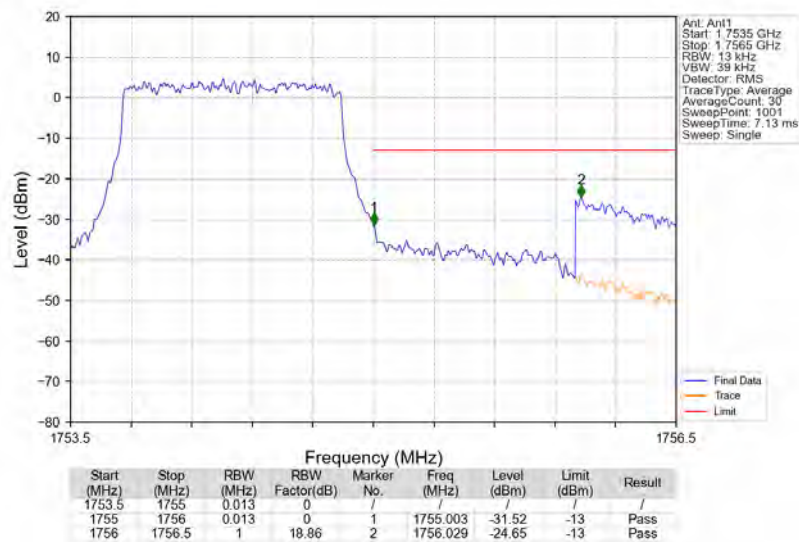
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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



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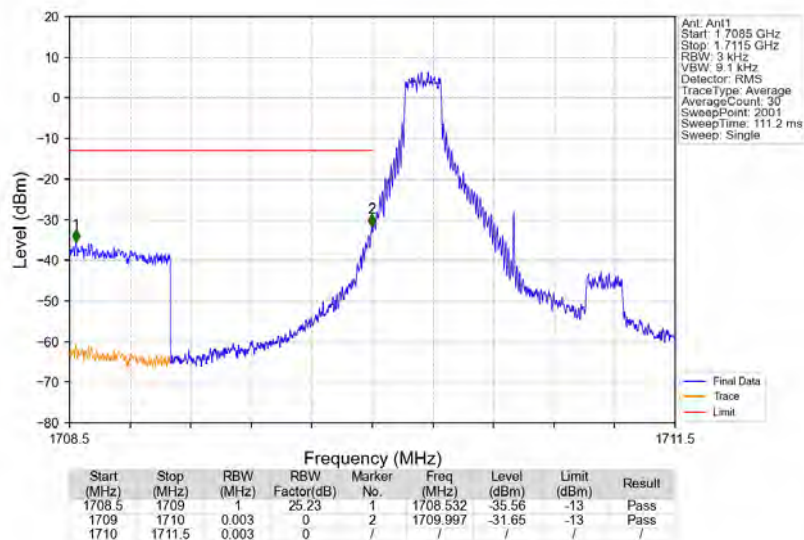
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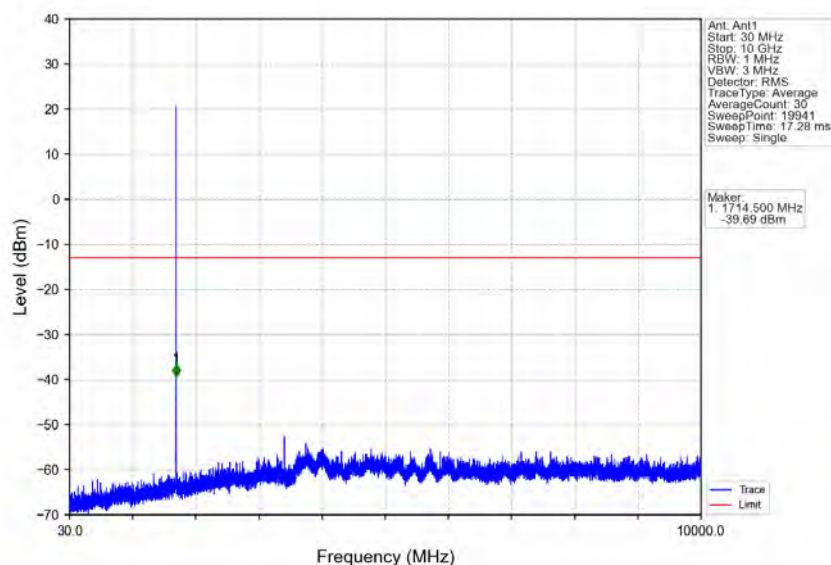
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Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



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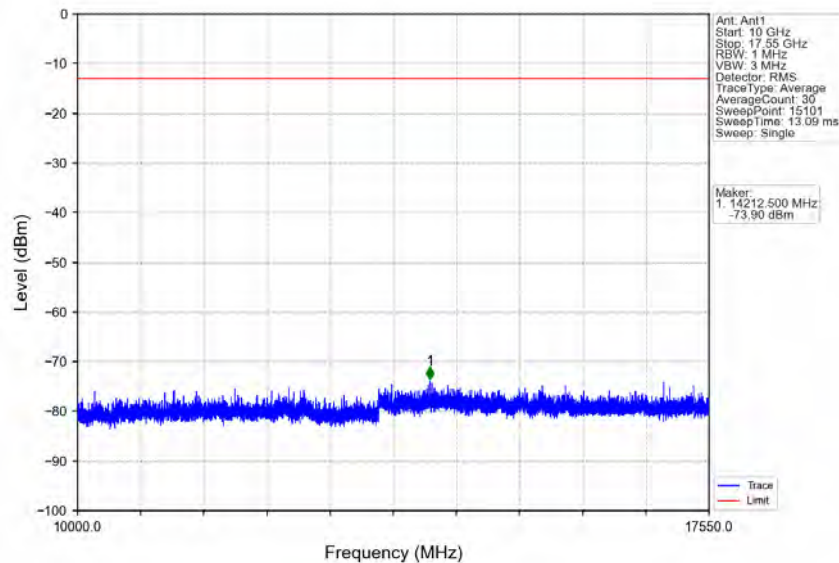
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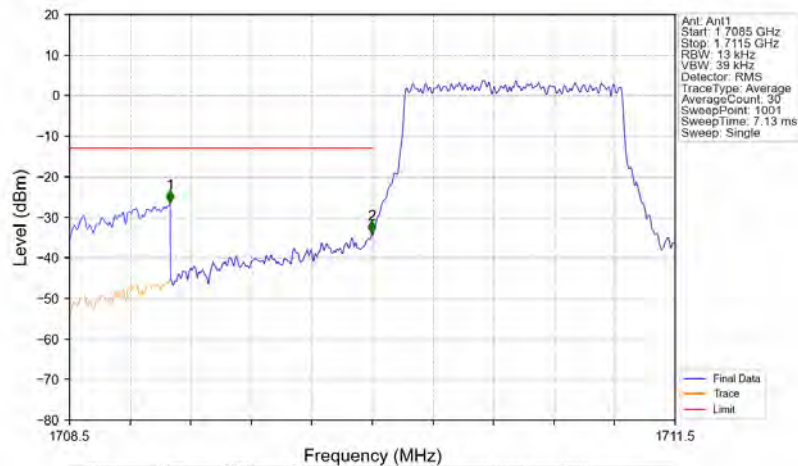
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Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	18.86	1	1708.998	-26.46	-13	Pass
1709	1710	0.013	0	2	1709.997	-34.01	-13	Pass
1710	1711.5	0.013	0	/	/	/	/	/



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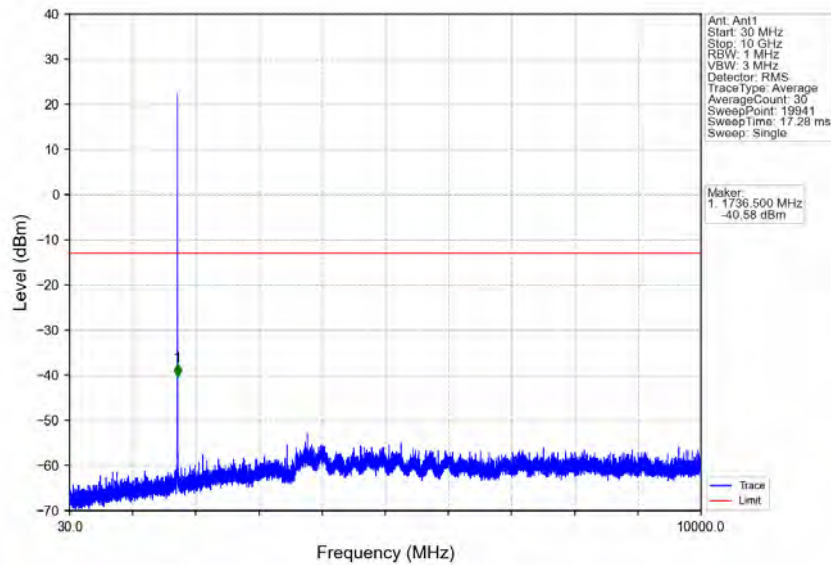
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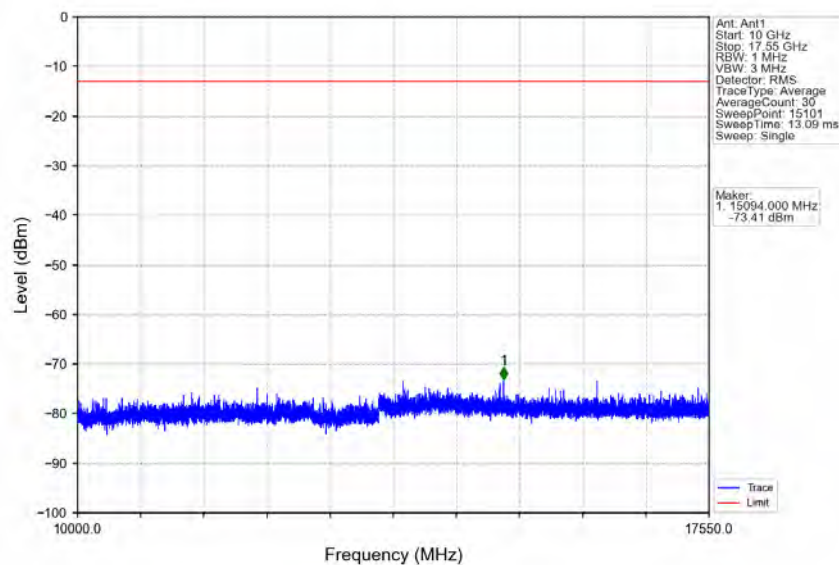
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Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

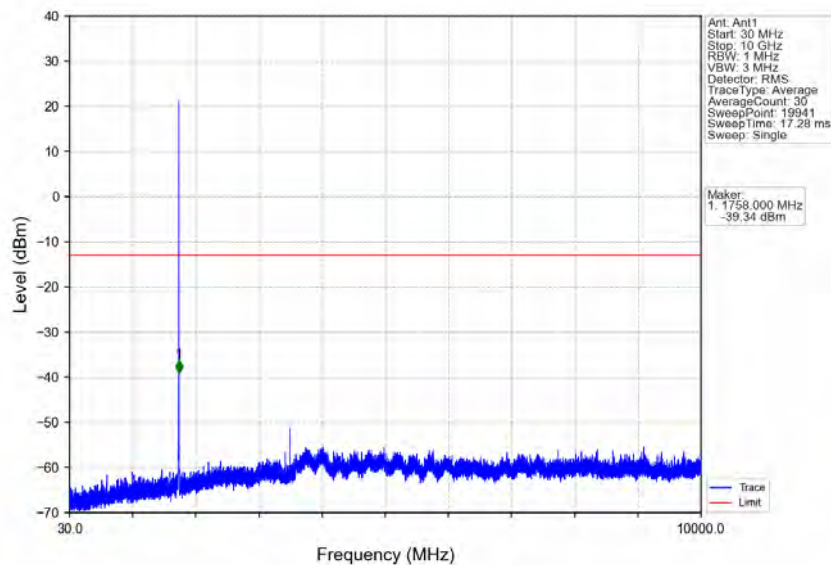


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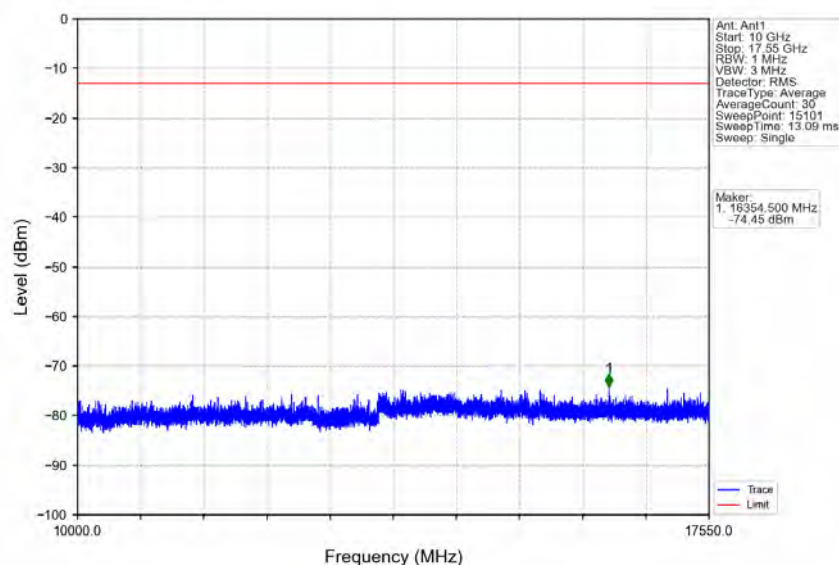
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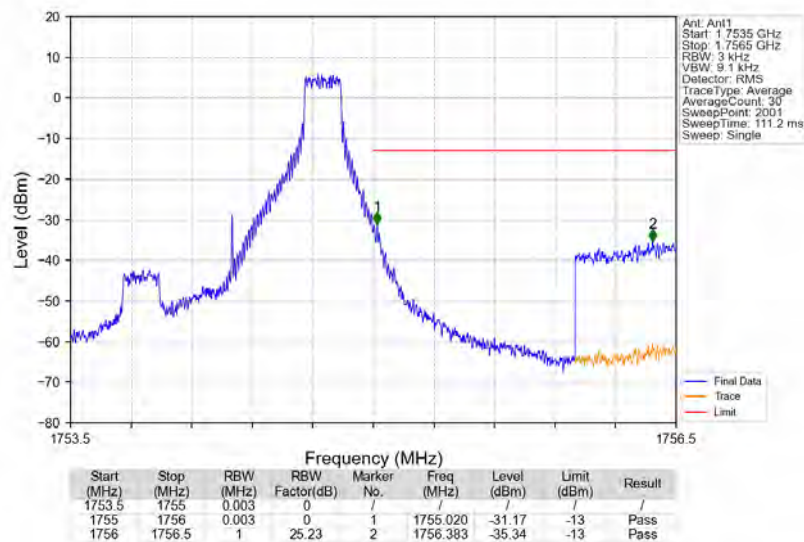
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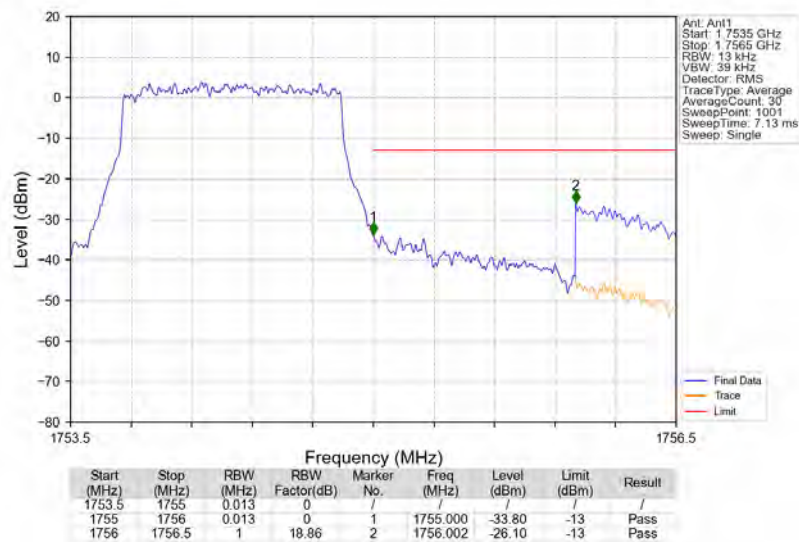
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Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 5 NTNV



Band4 1.4MHz 16QAM HCH 1754.3MHz 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		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
		1	14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
		1	14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass



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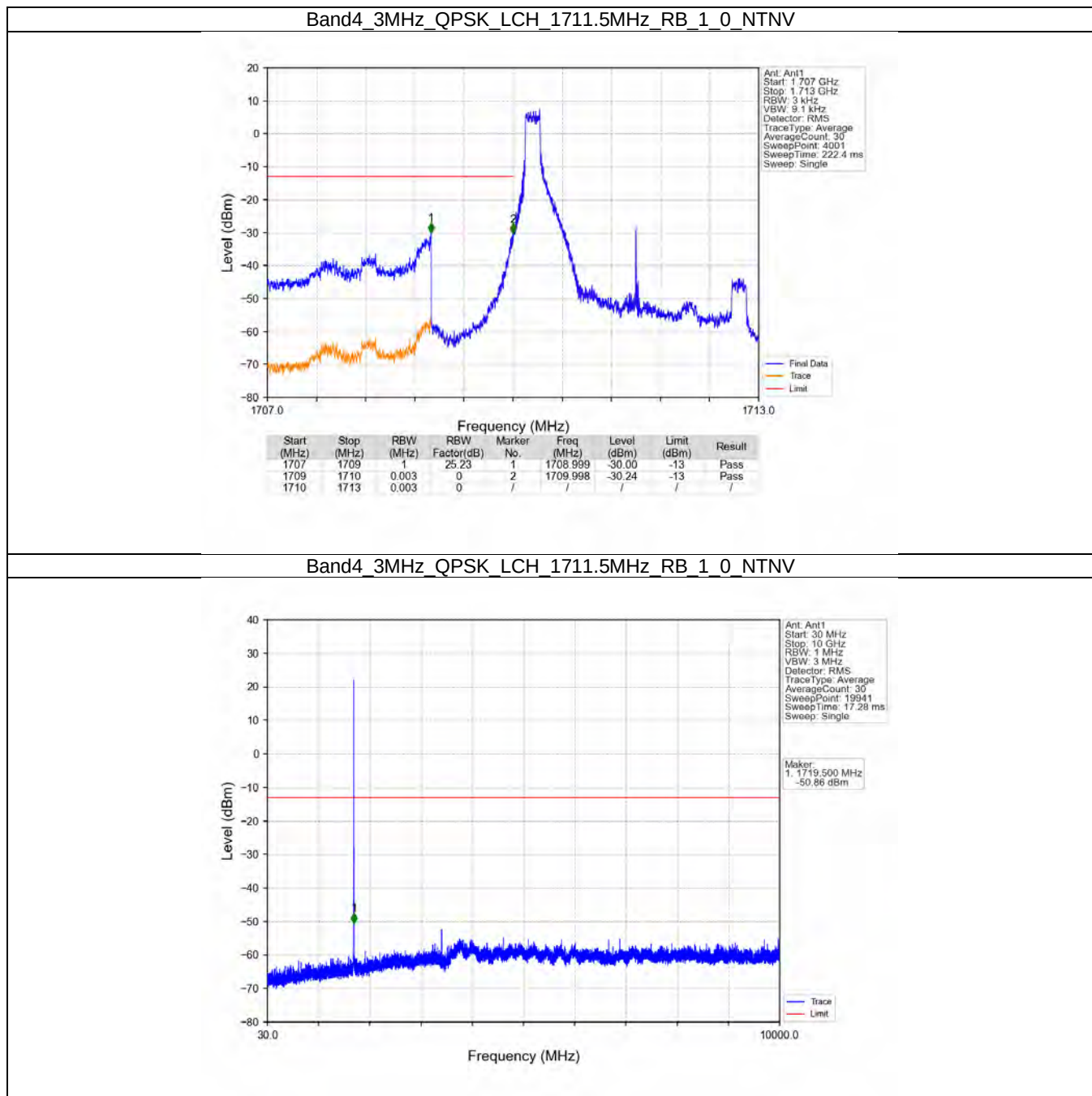
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5.2.2 Test Graph



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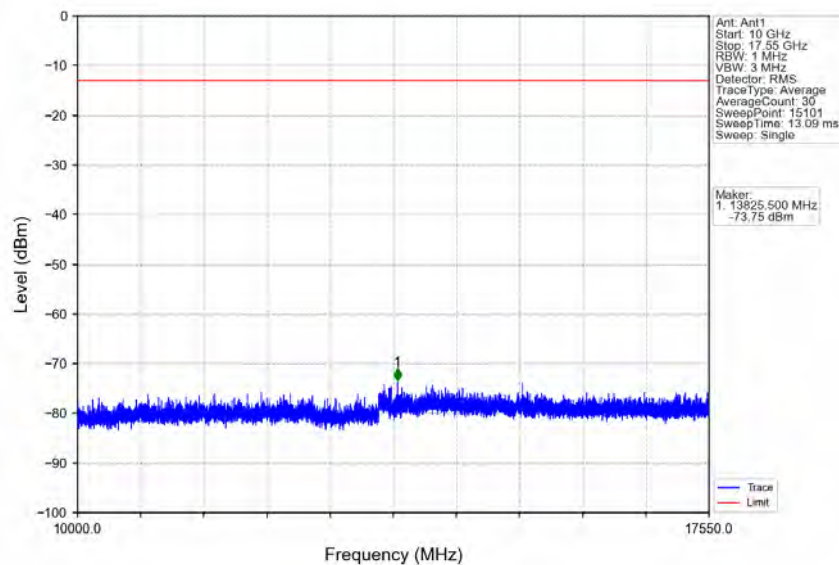
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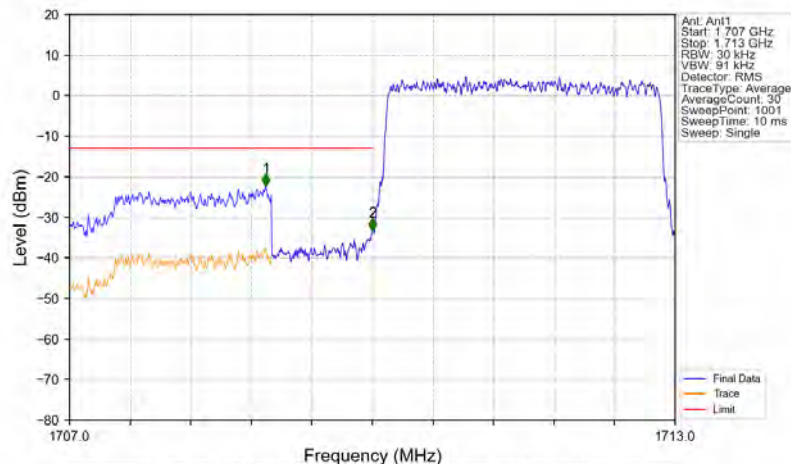
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Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	15.23	1	1708.944	-22.27	-13	Pass
1709	1710	0.03	0	2	1710.000	-33.29	-13	Pass
1710	1713	0.03	0	/	/	/	/	/



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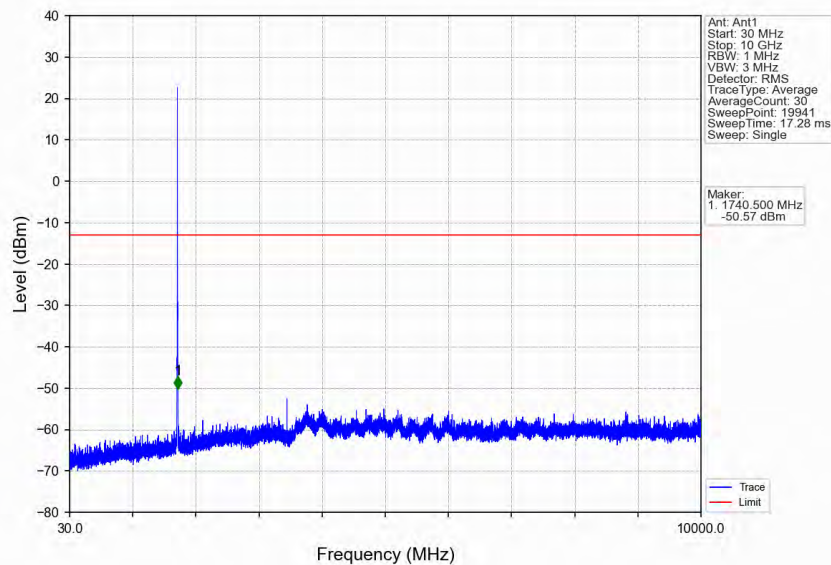
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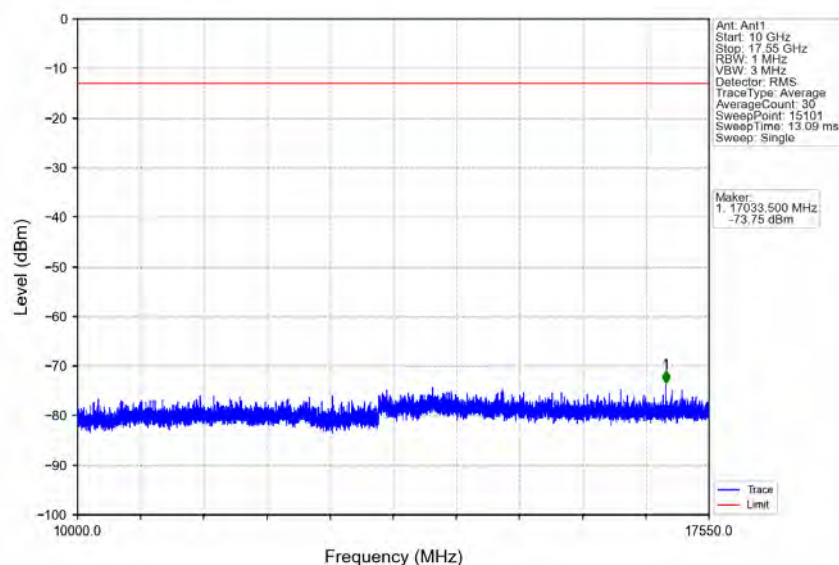
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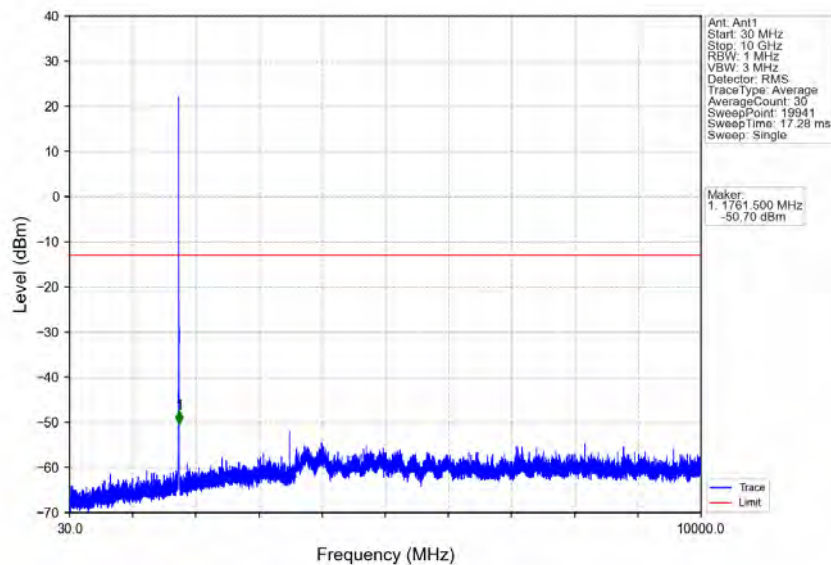
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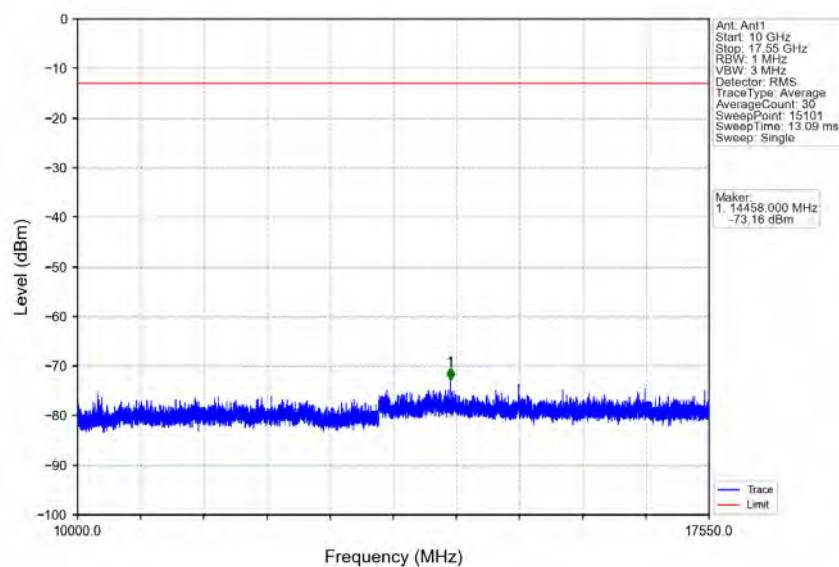
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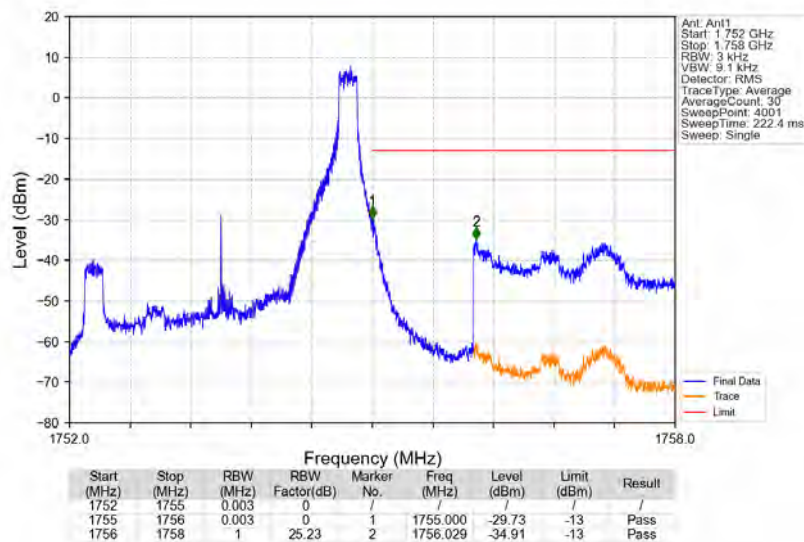
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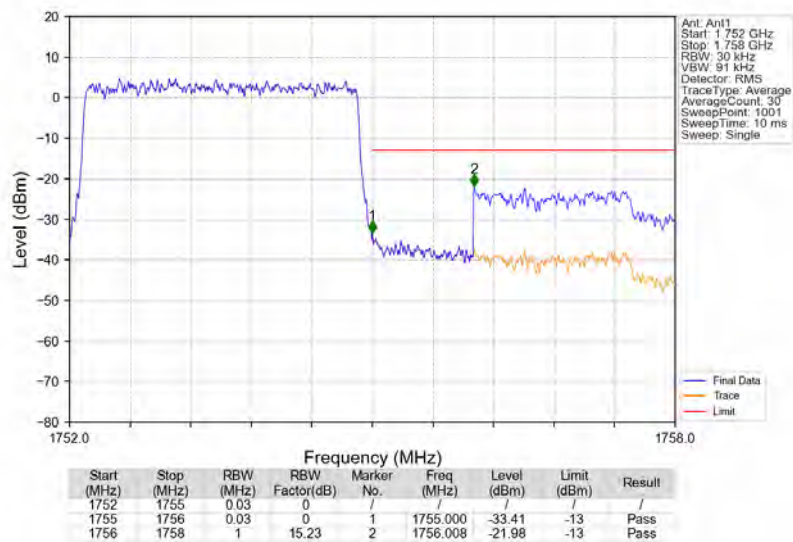
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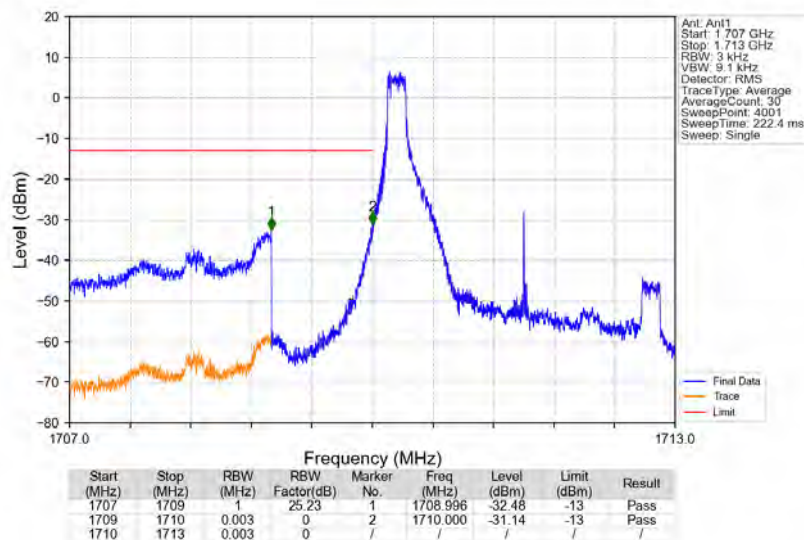
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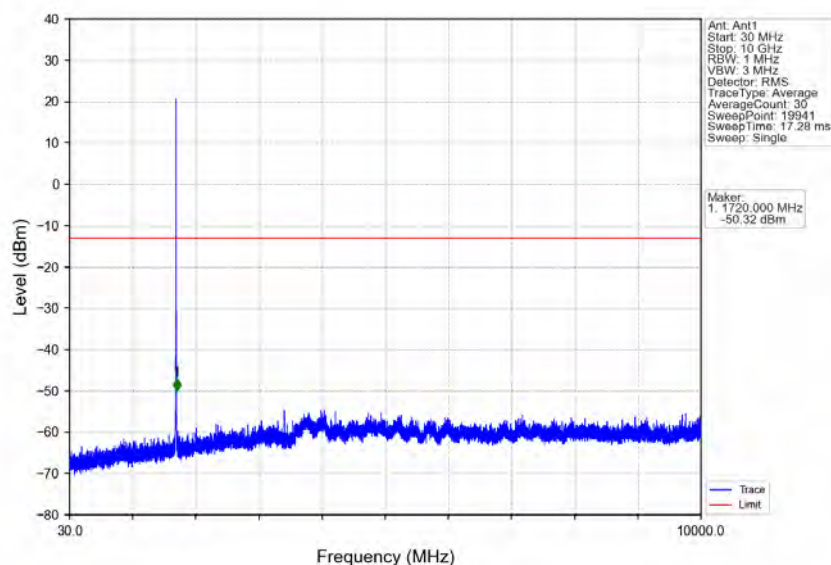
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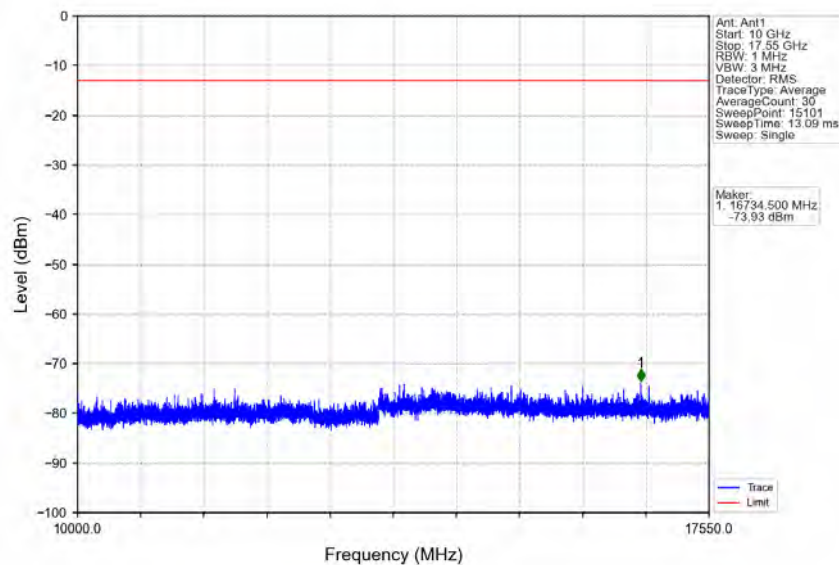
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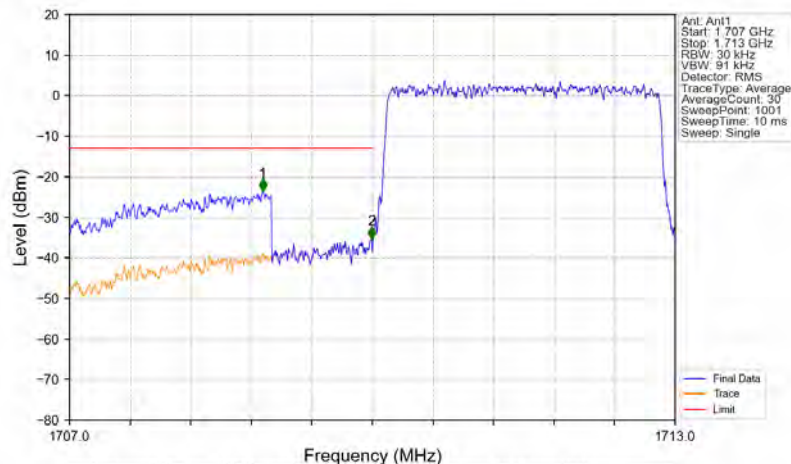
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Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	15.23	1	1708.914	-23.60	-13	Pass
1709	1710	0.03	0	2	1709.994	-35.31	-13	Pass
1710	1713	0.03	0	/	/	/	/	/



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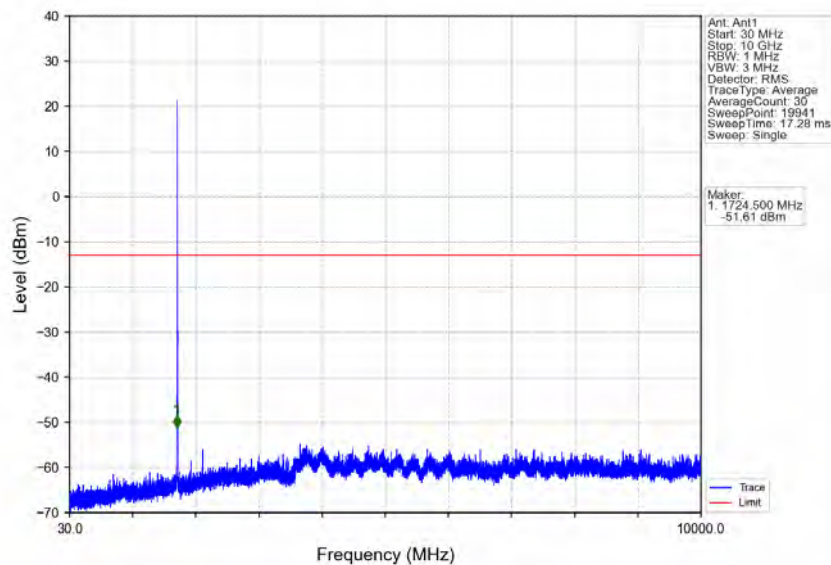
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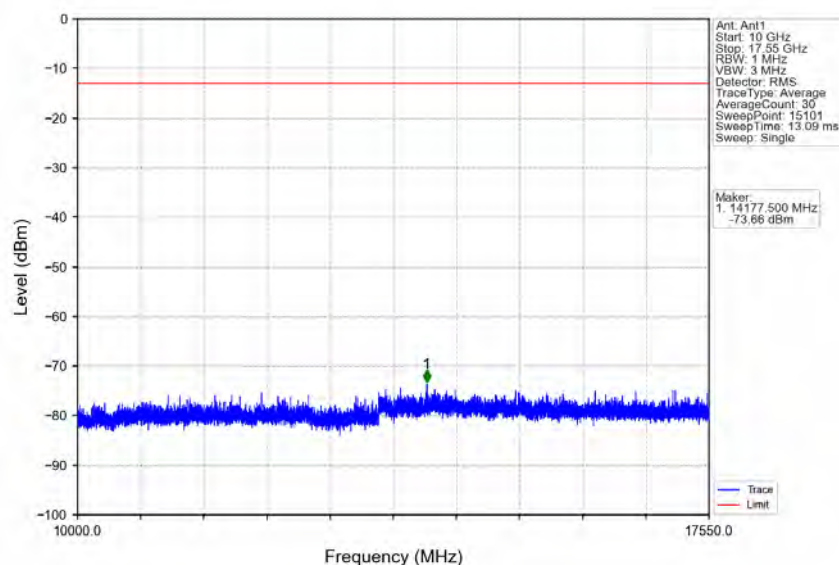
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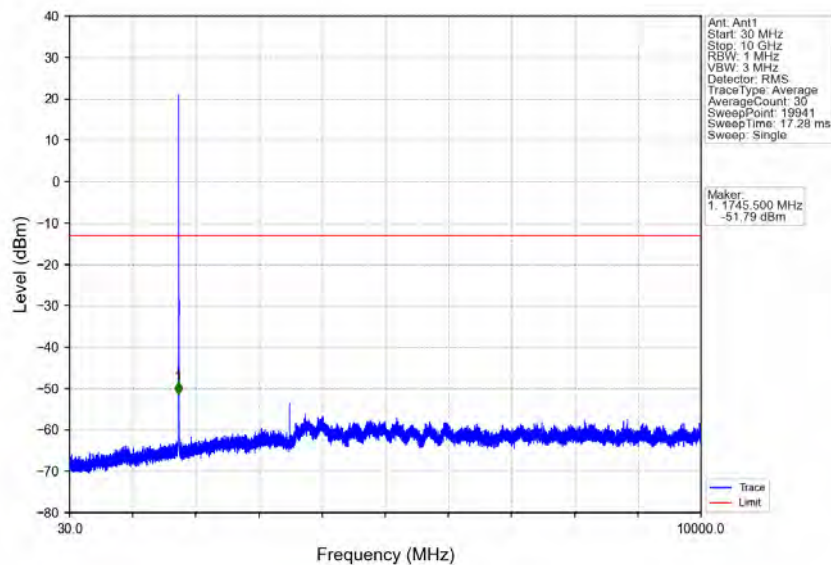
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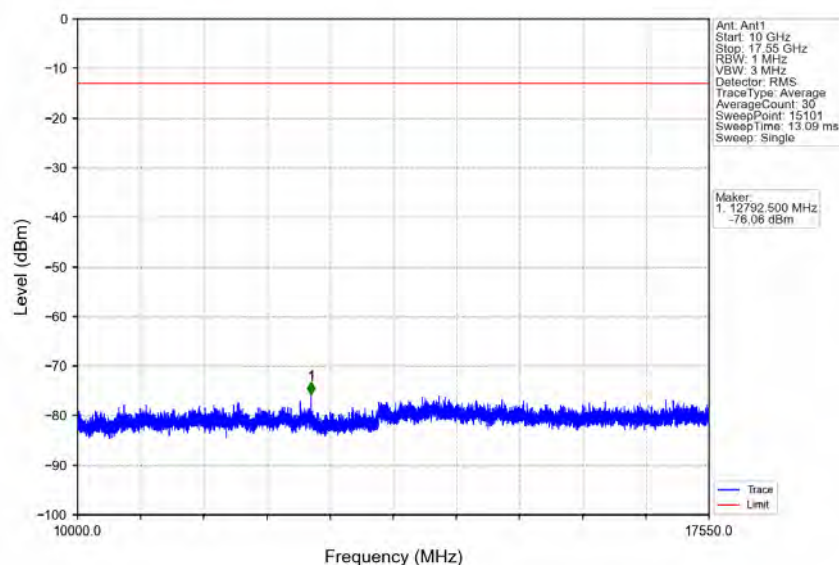
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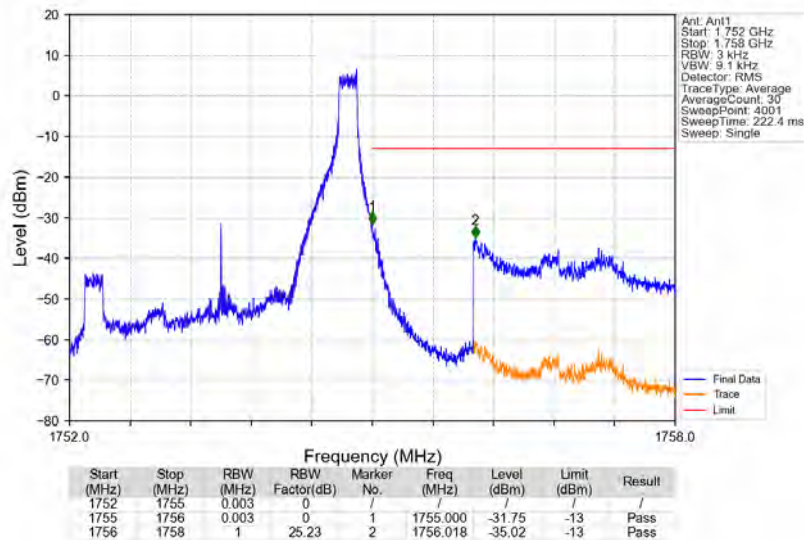
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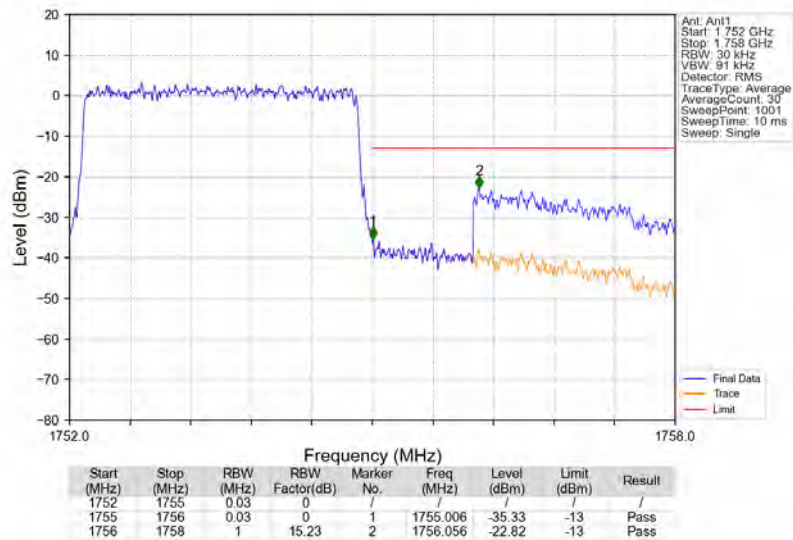
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Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_14_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



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5.3 B4_5MHz

5.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass



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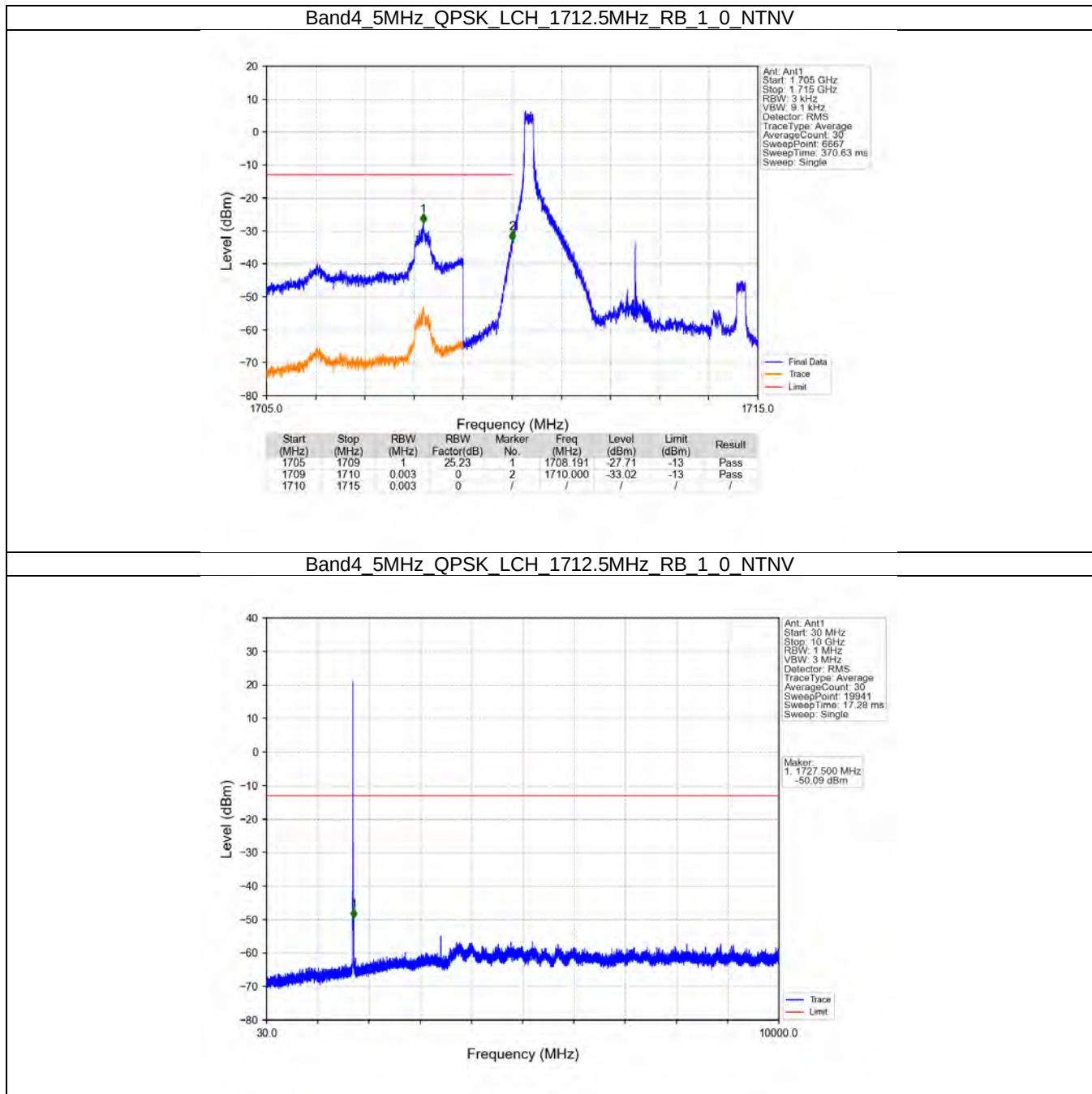
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5.3.2 Test Graph



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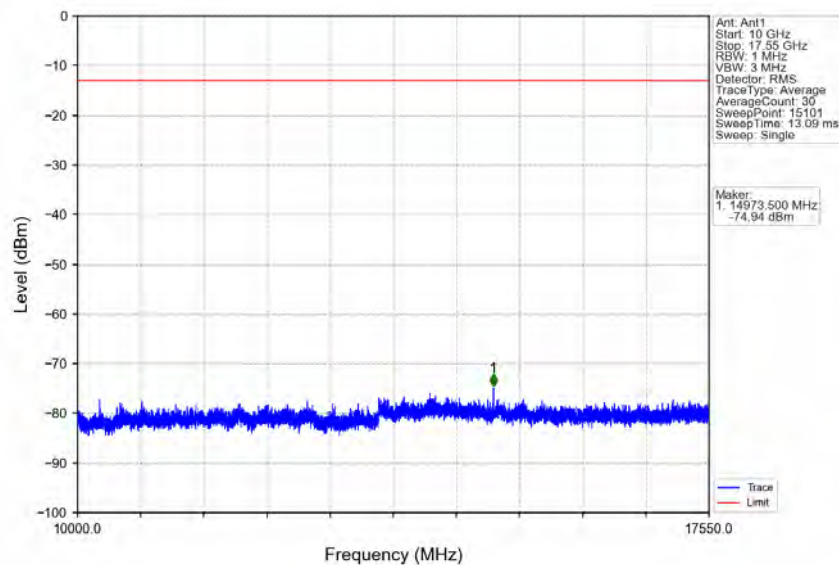
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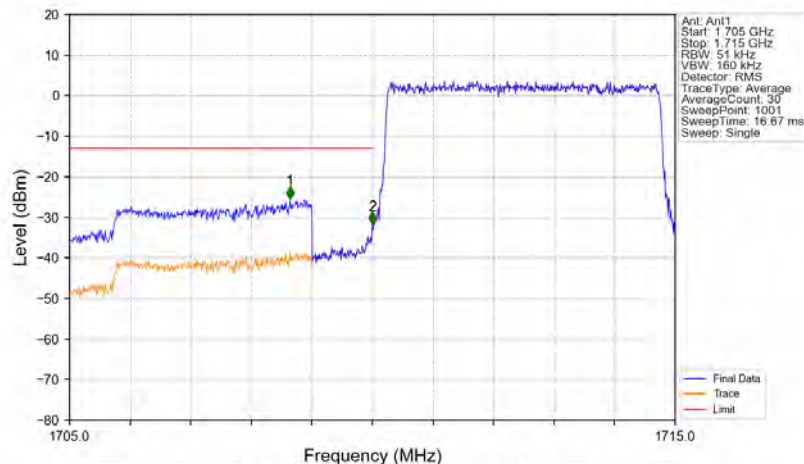
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Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	12.92	1	1708.640	-25.42	-13	Pass
1709	1710	0.051	0	2	1710.000	-31.75	-13	Pass
1710	1715	0.051	0	/	/	/	/	/



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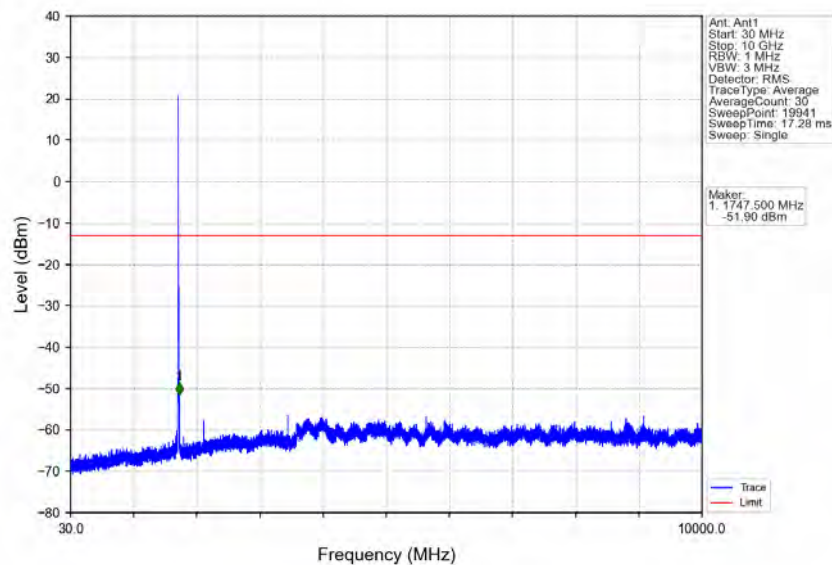
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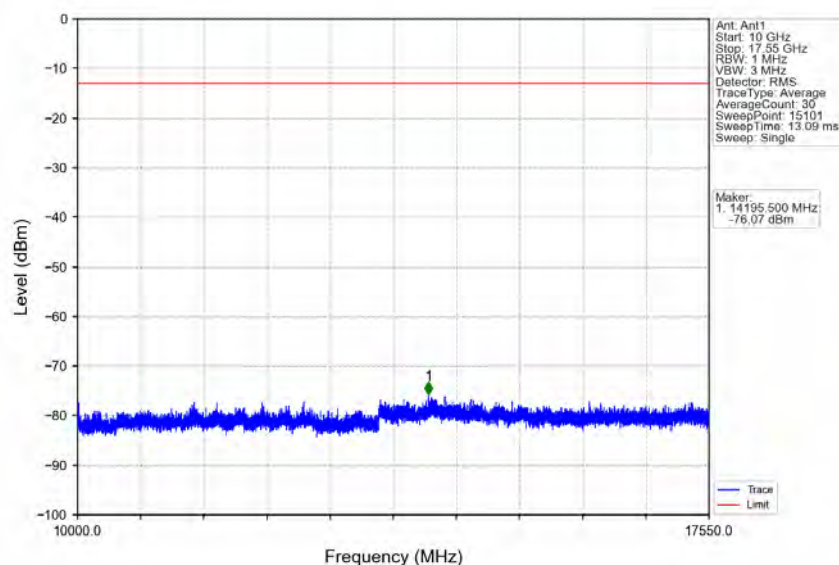
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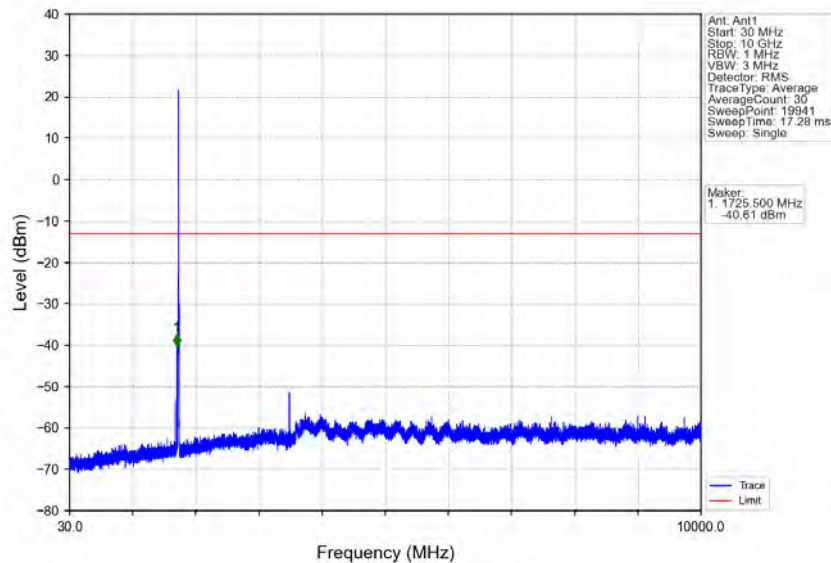
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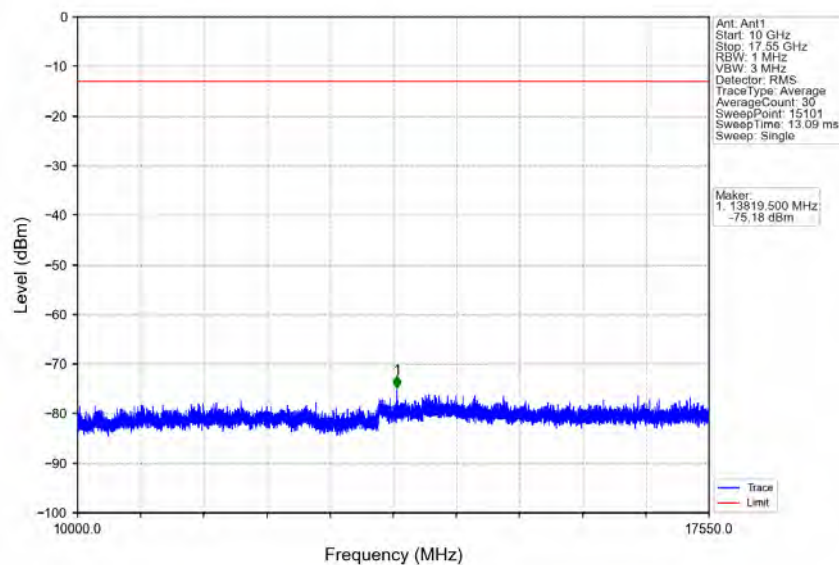
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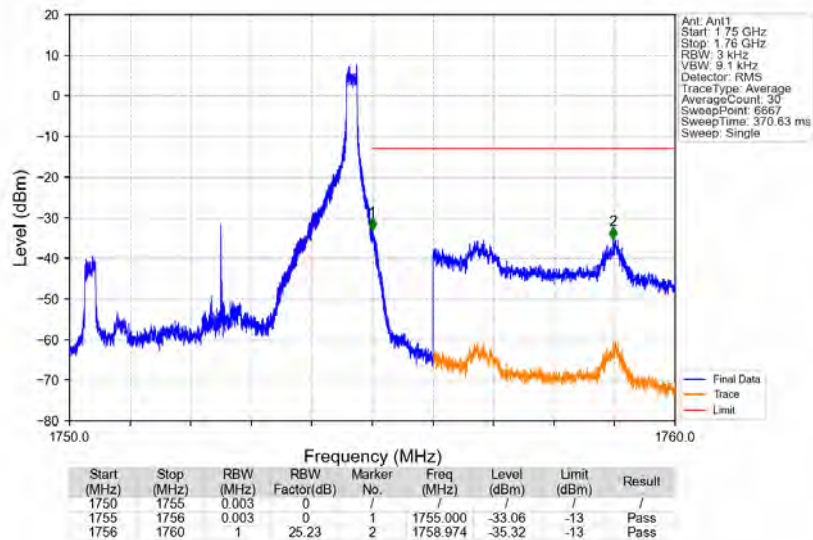


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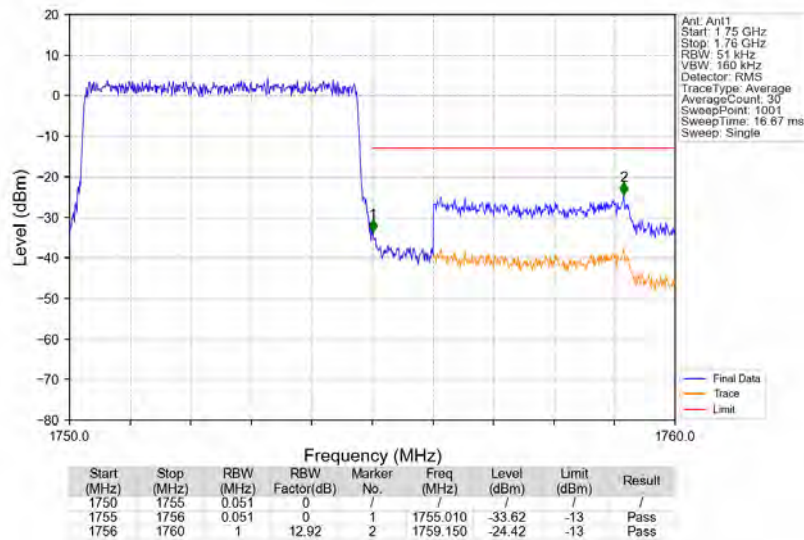
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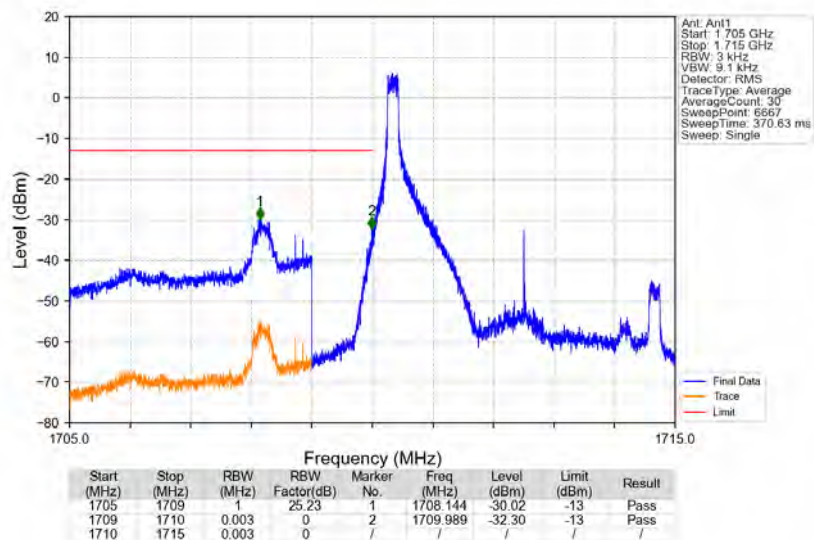
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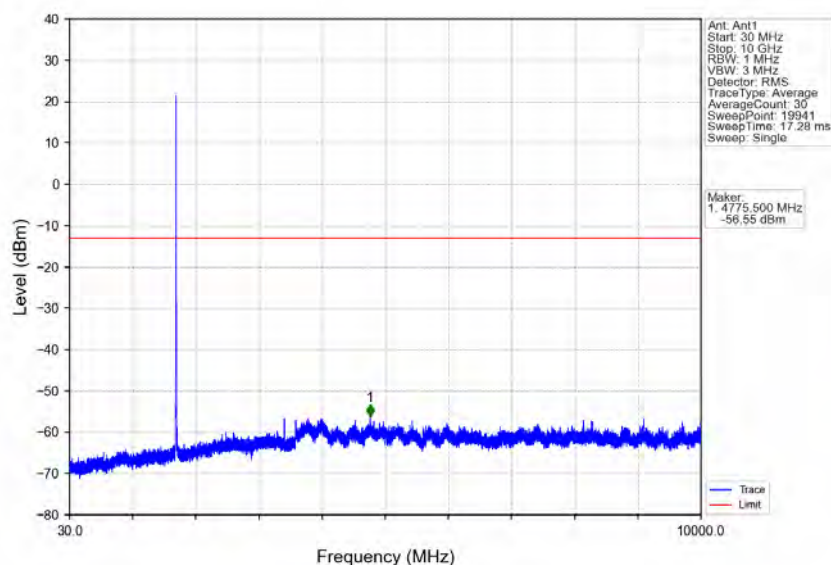
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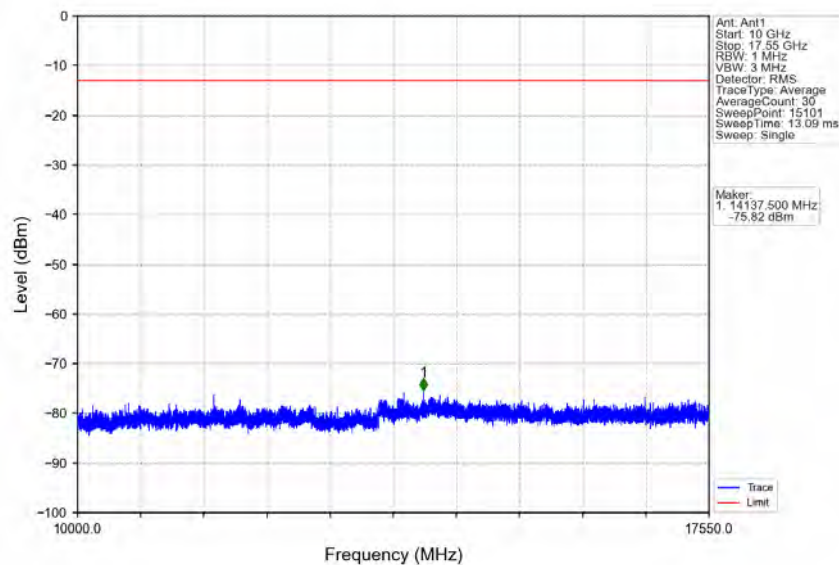
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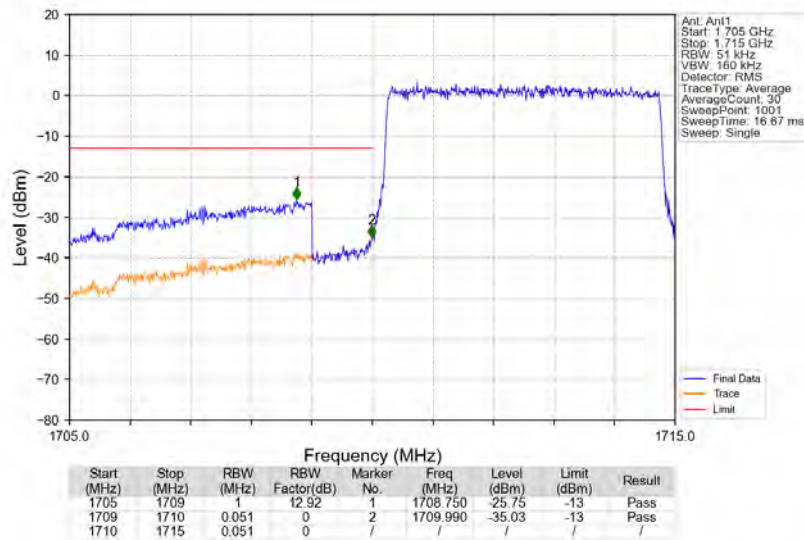
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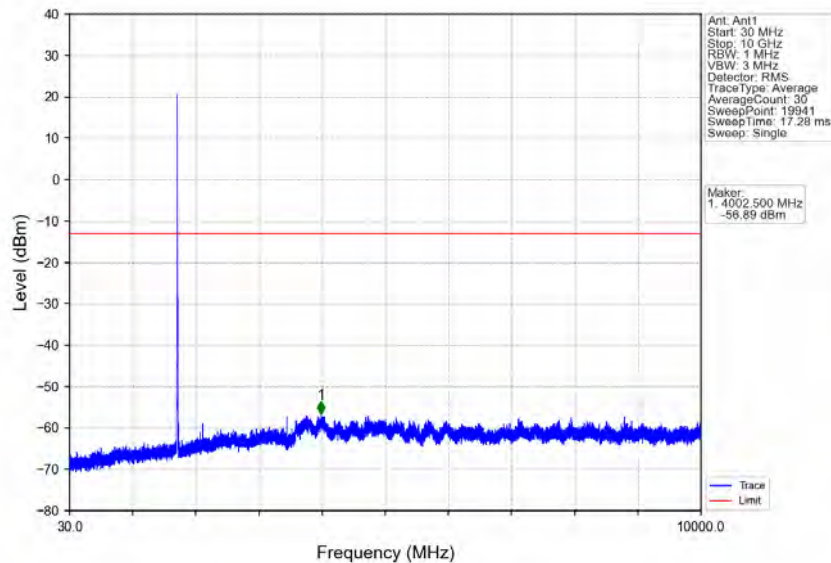
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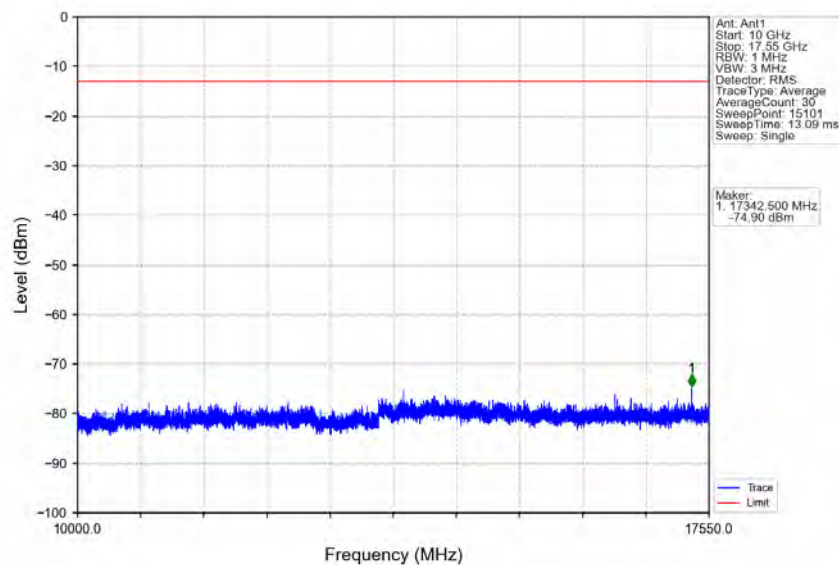
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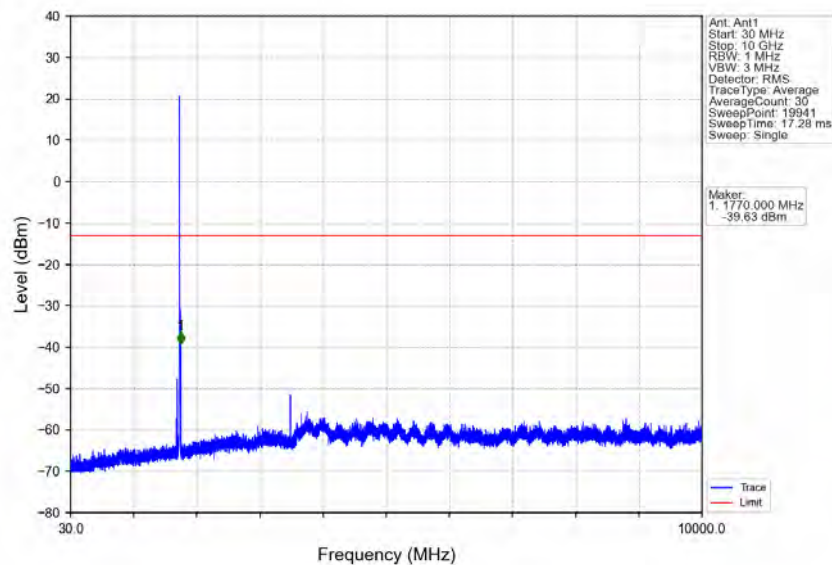
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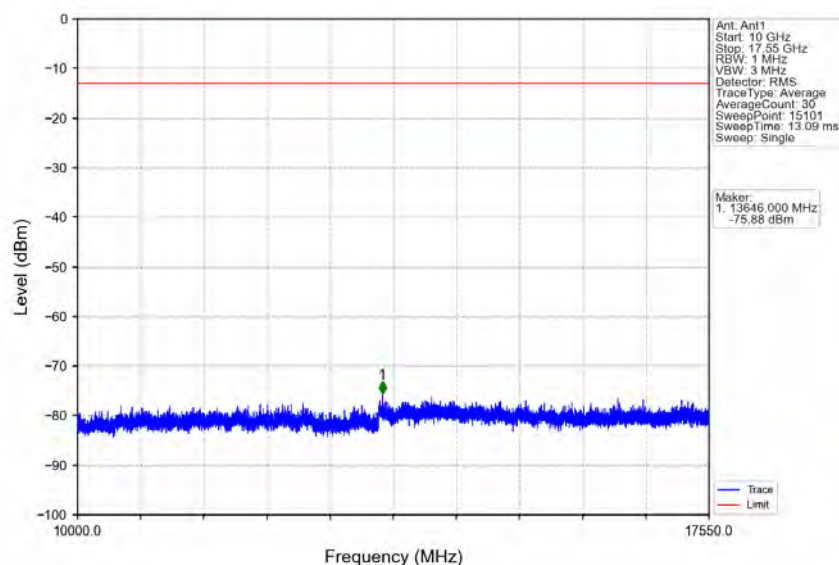
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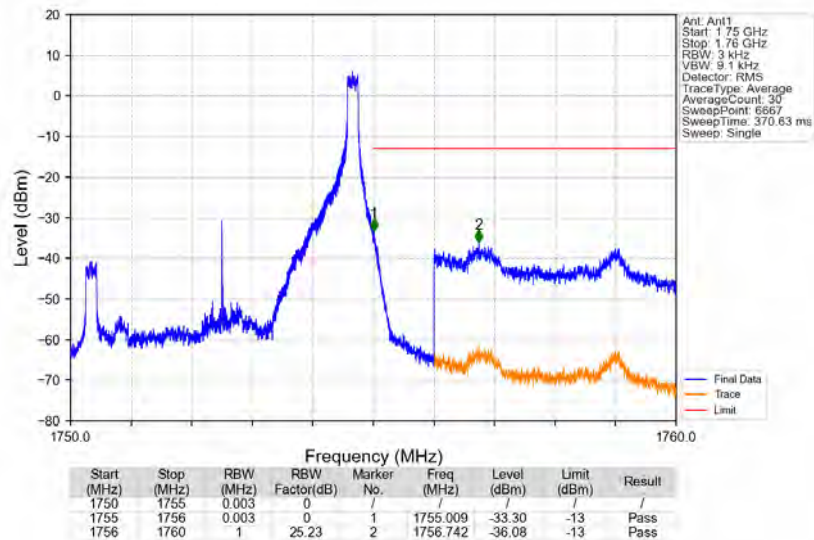
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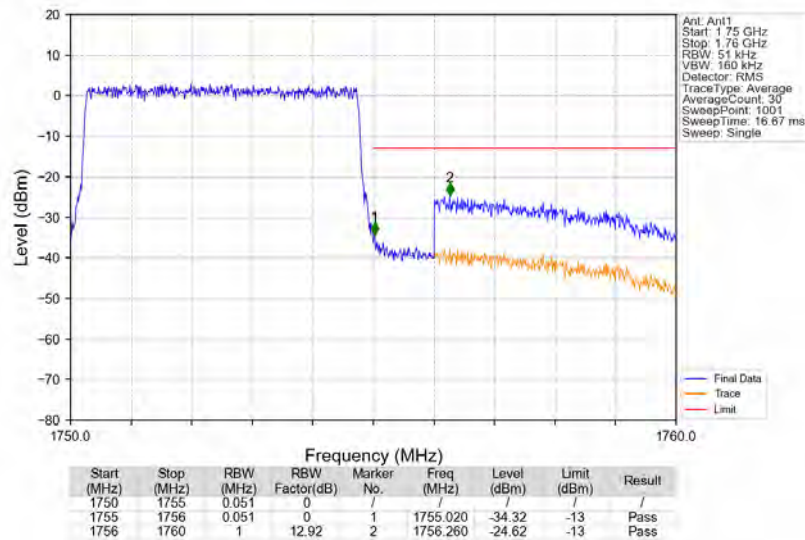
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Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_24_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



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5.4 B4_10MHz

5.4.1 Test Result

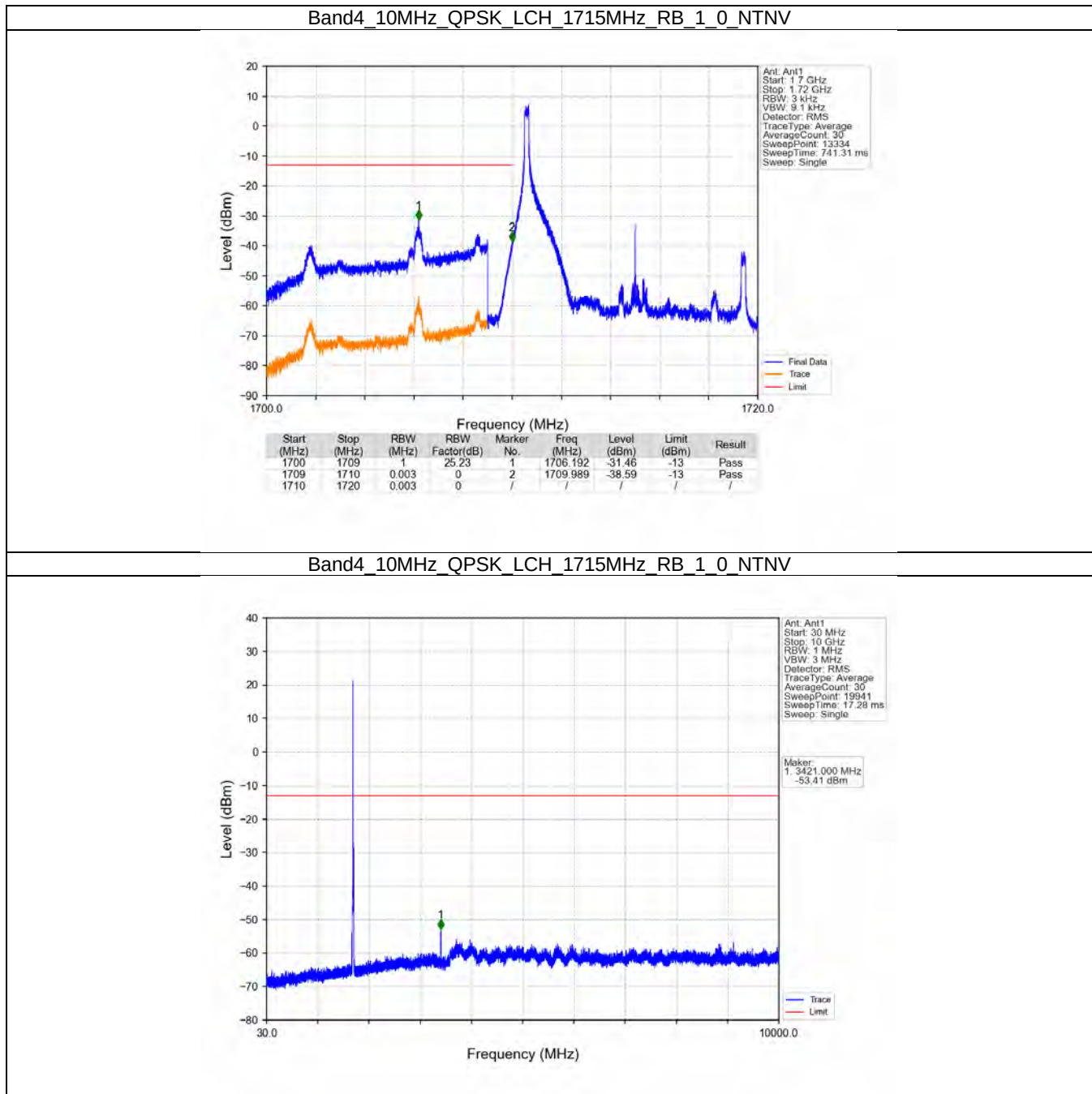
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1750	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1750	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass



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5.4.2 Test Graph



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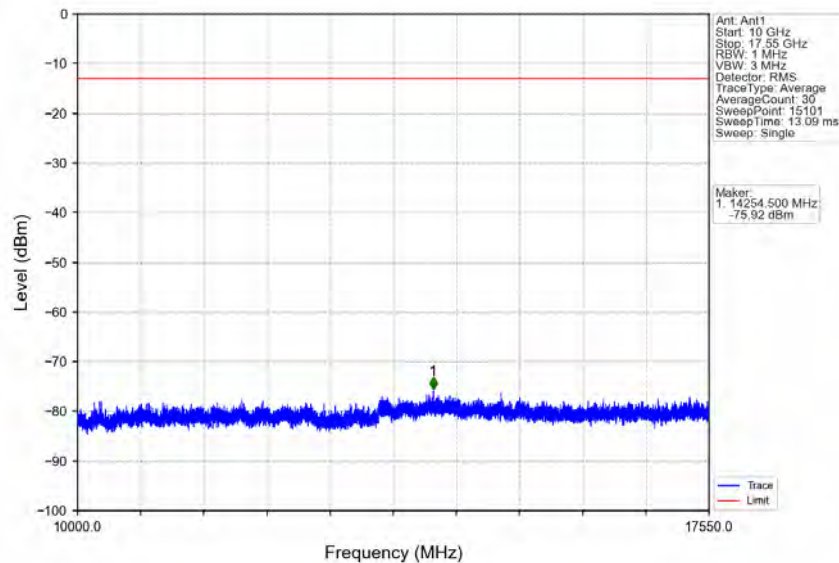
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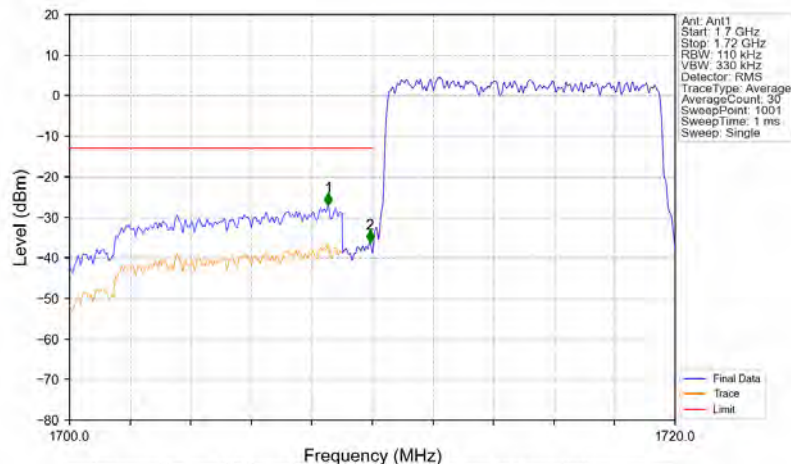
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Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	9.59	1	1708.540	-27.05	-13	Pass
1709	1710	0.11	0	2	1709.920	-36.25	-13	Pass
1710	1720	0.11	0	/	/	/	/	/



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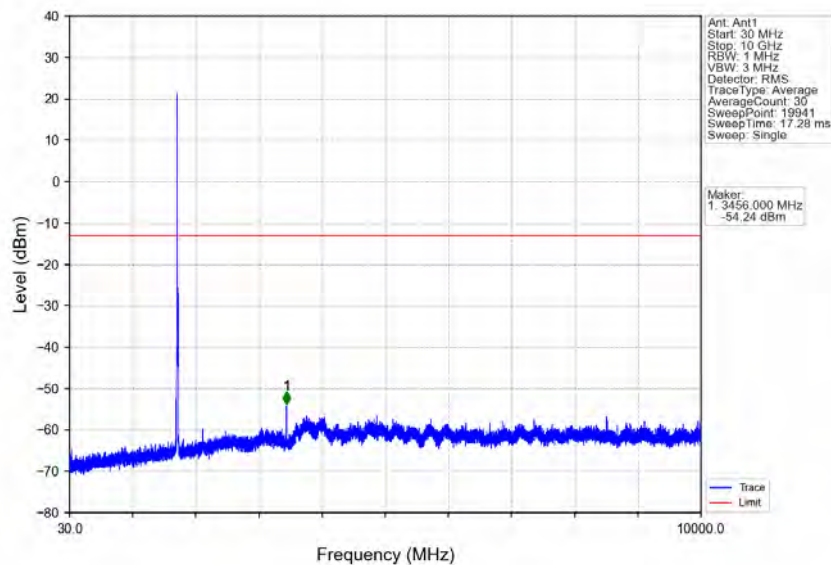
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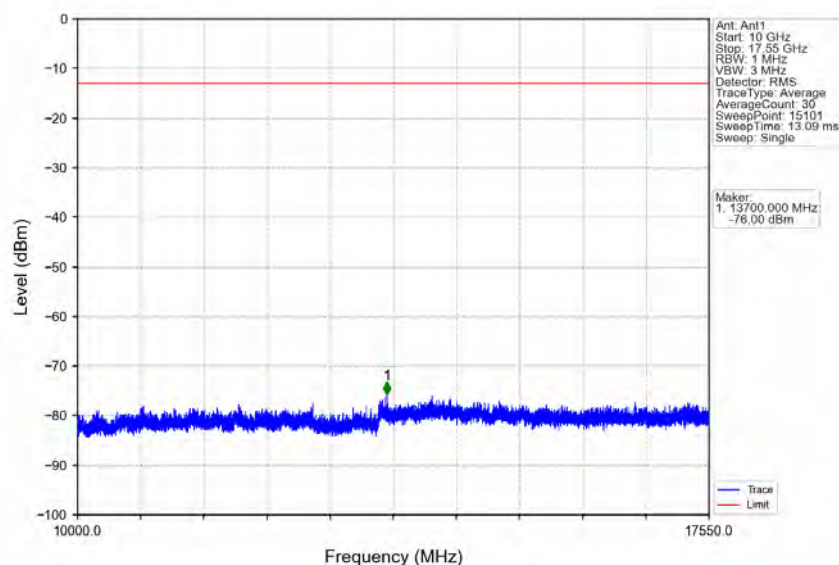
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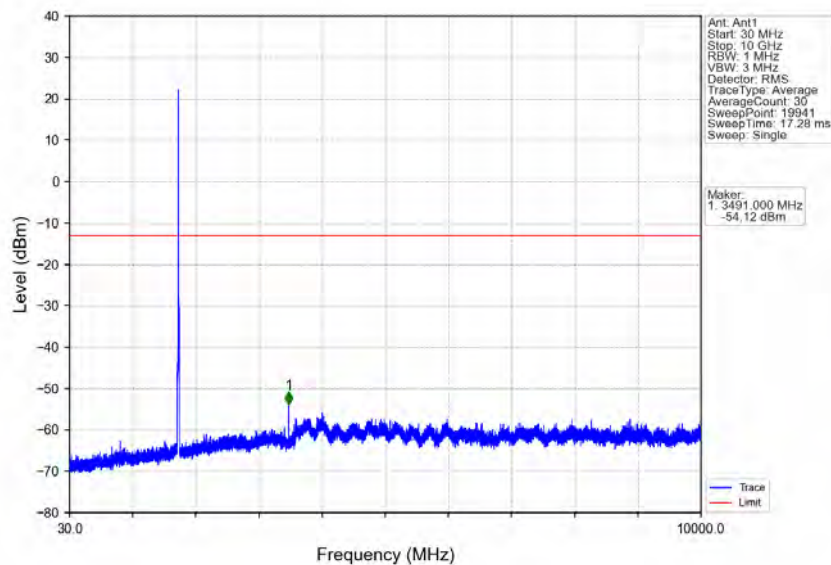
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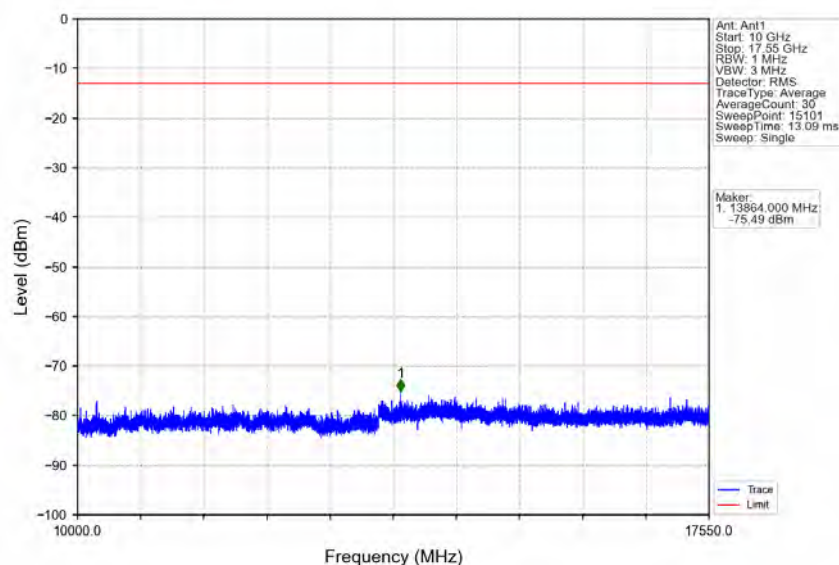
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Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



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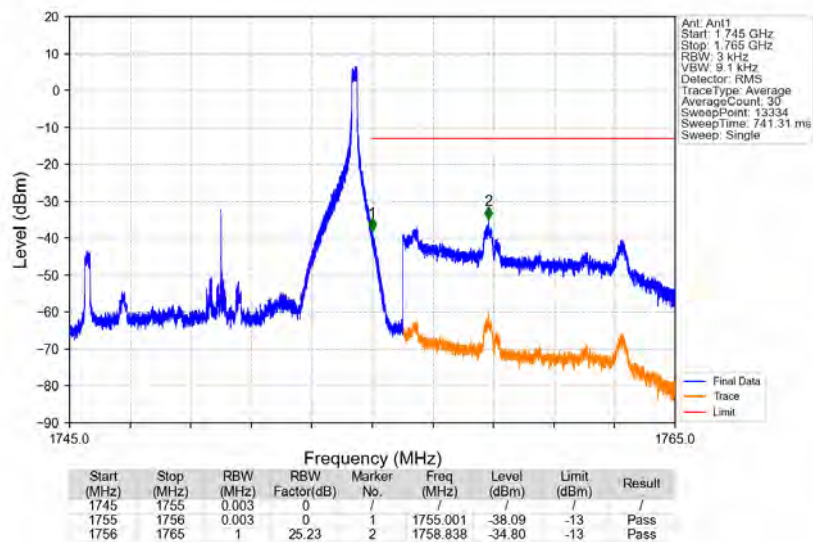
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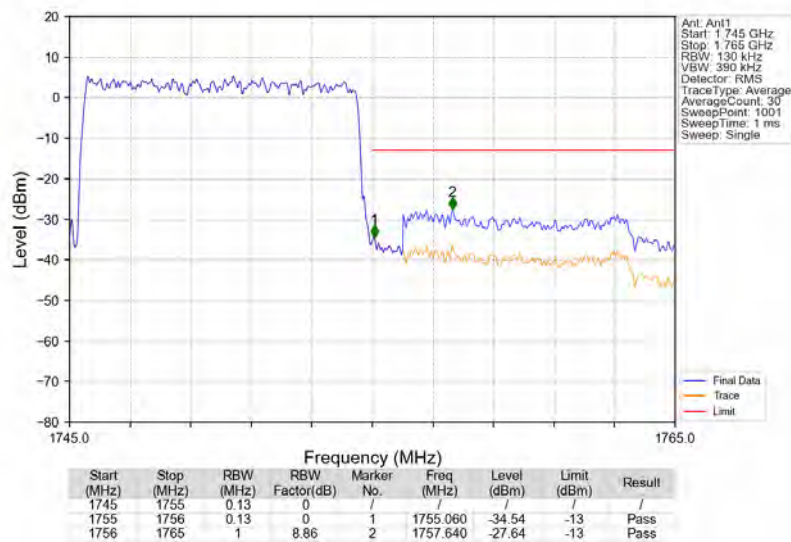
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Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



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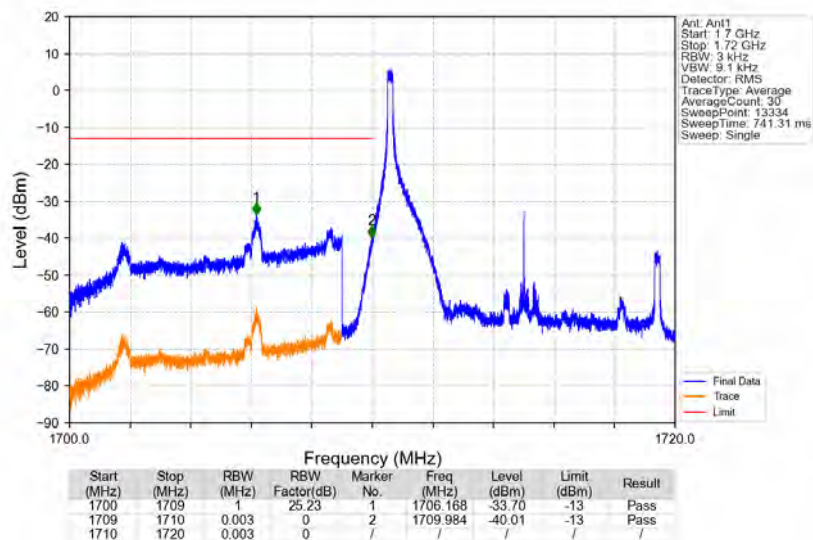
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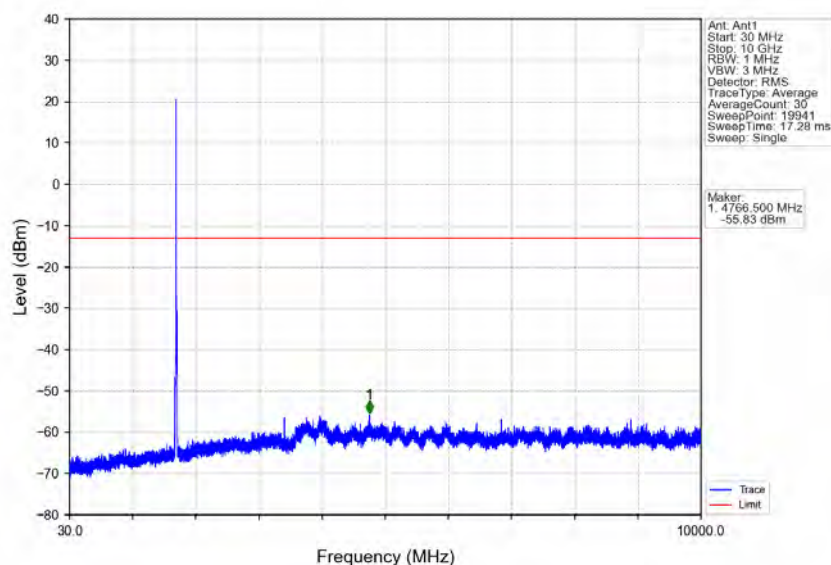
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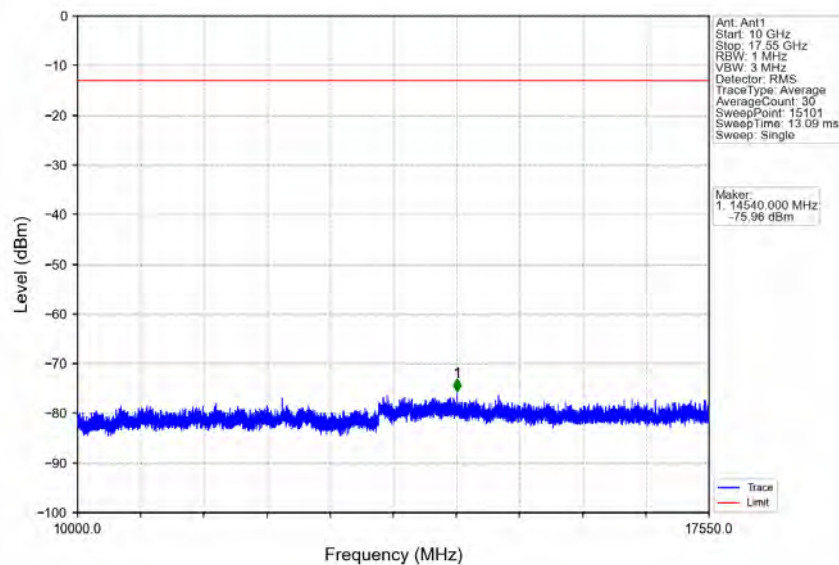
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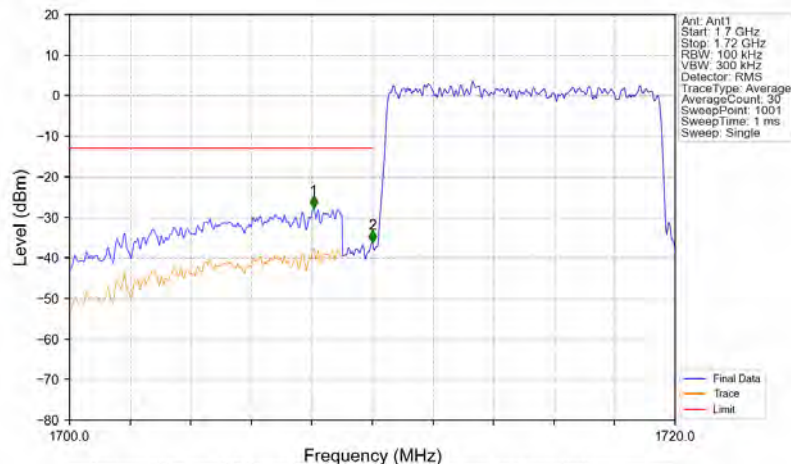
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Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	10	1	1708.060	-27.76	-13	Pass
1709	1710	0.1	0	2	1710.000	-36.31	-13	Pass
1710	1720	0.1	0	/	/	/	/	/



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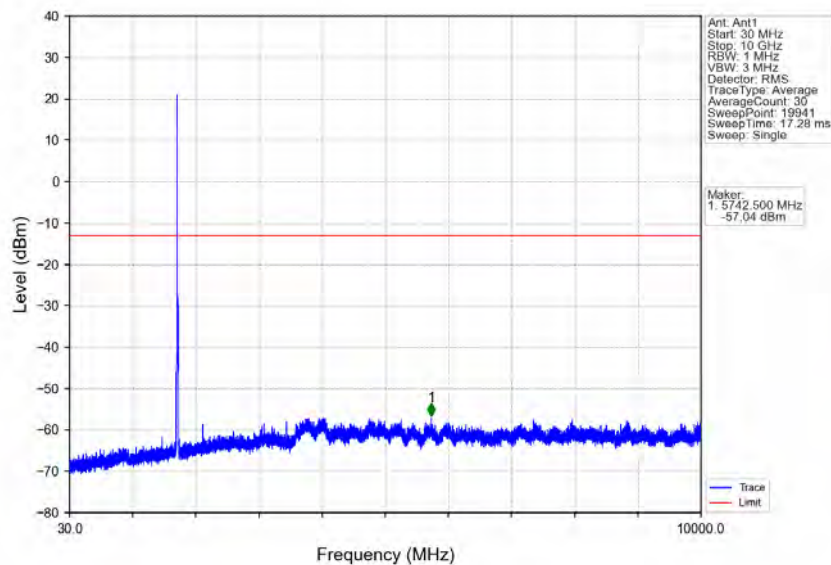
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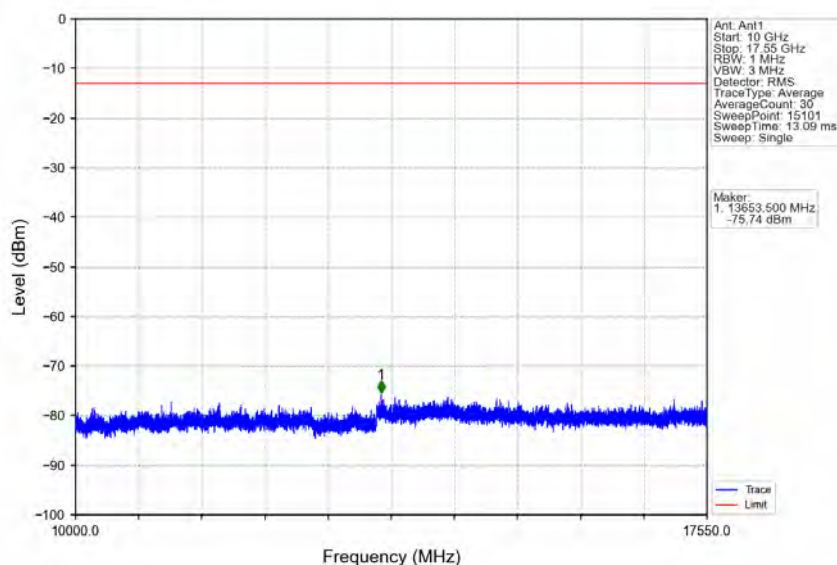
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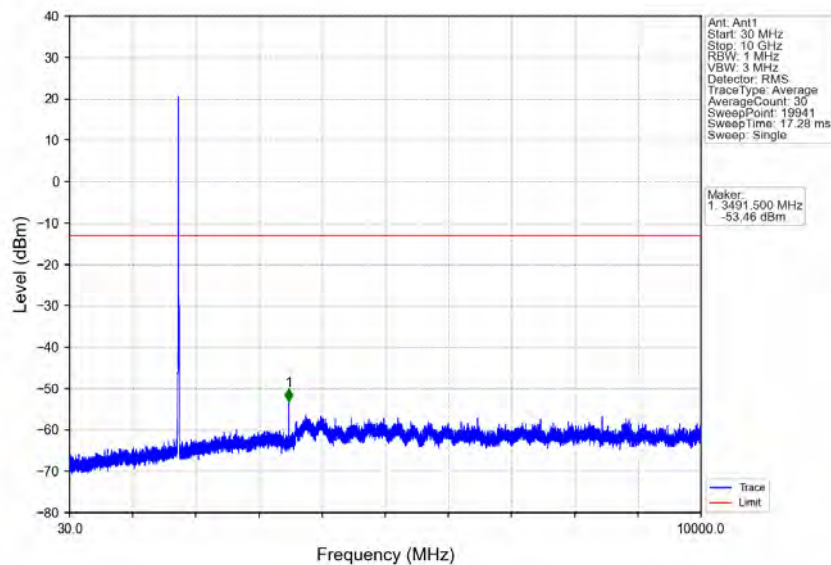
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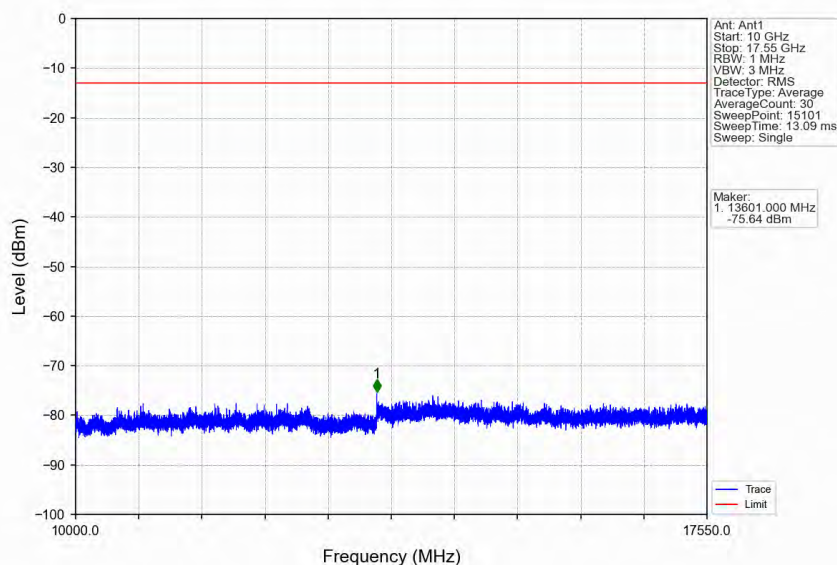
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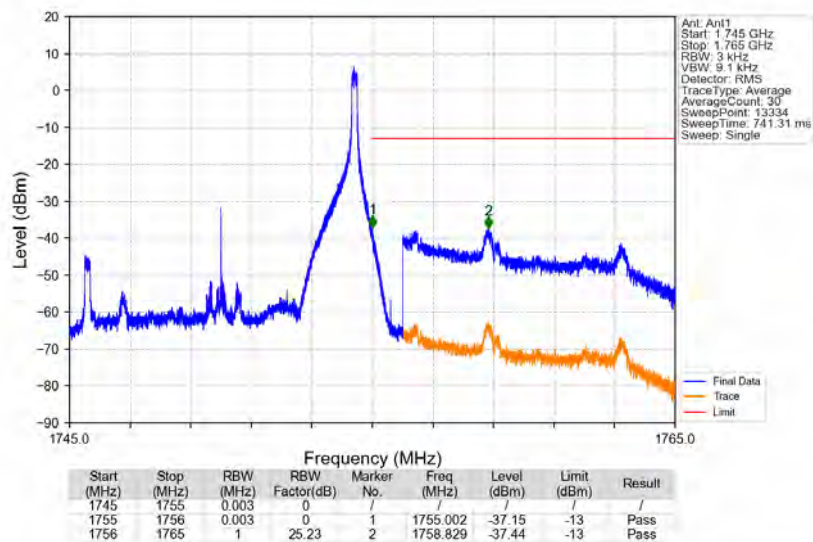
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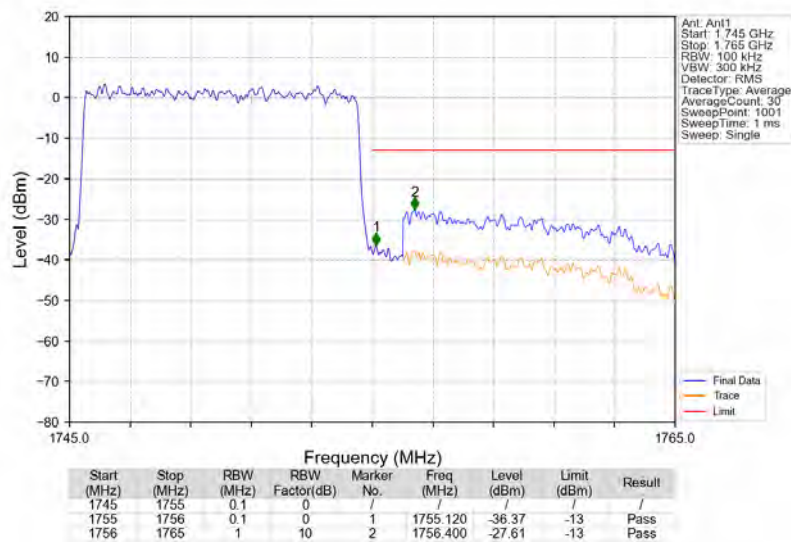
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Band4_10MHz_16QAM_HCH_1750MHz_RB_1_49_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



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5.5 B4_15MHz

5.5.1 Test Result

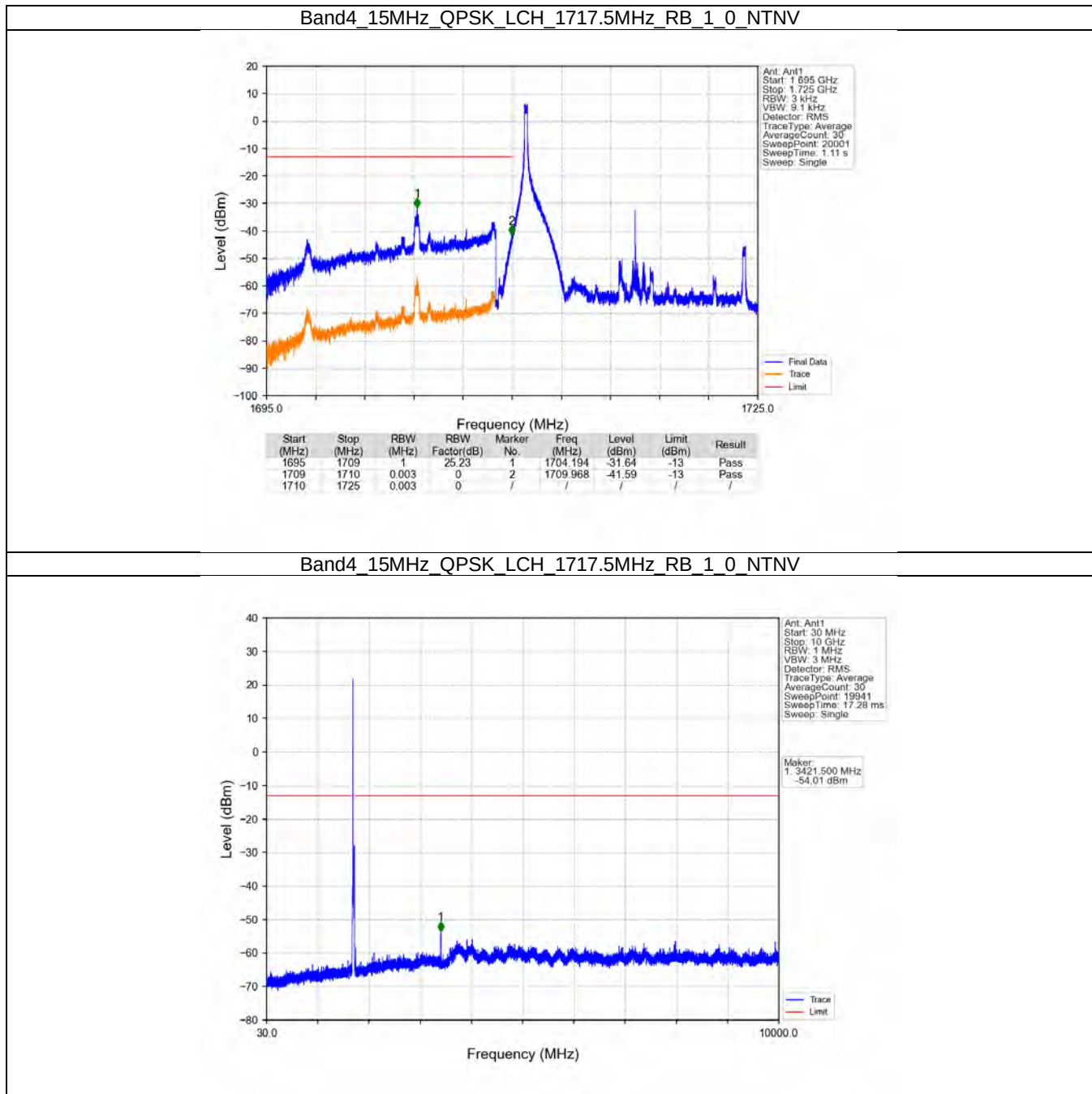
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass



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5.5.2 Test Graph



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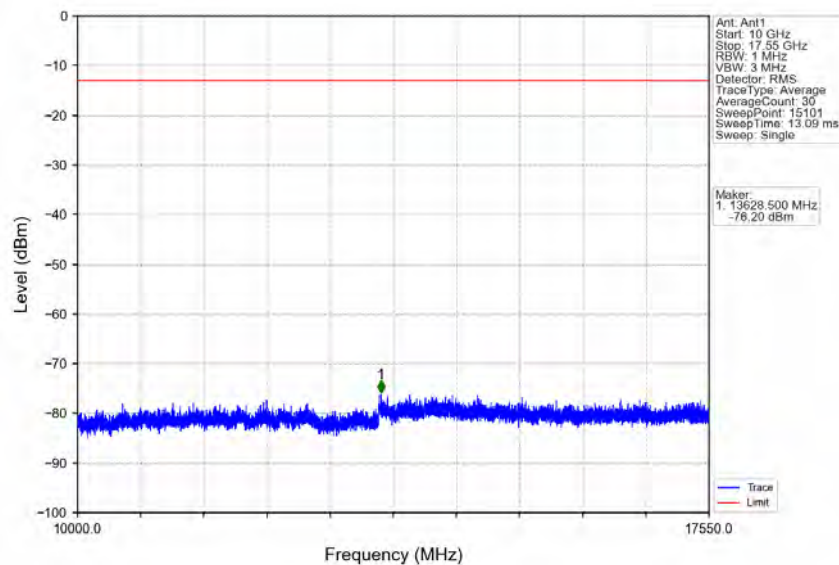
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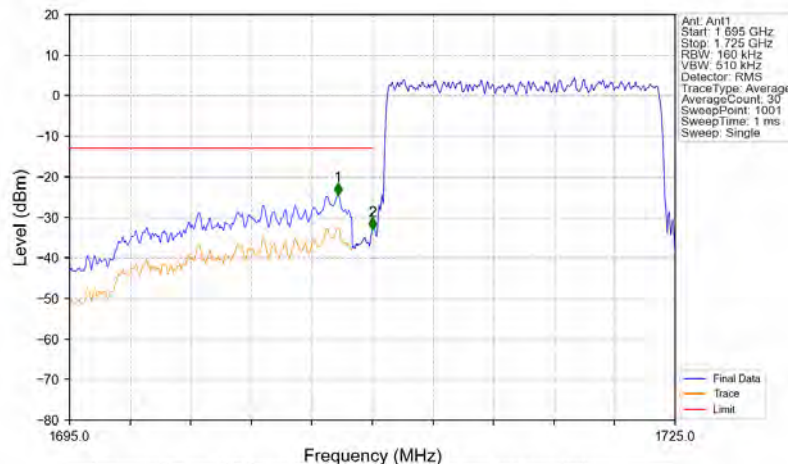
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Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	7.96	1	1708.290	-24.53	-13	Pass
1709	1710	0.16	0	2	1710.000	-33.08	-13	Pass
1710	1725	0.16	0	/	/	/	/	/



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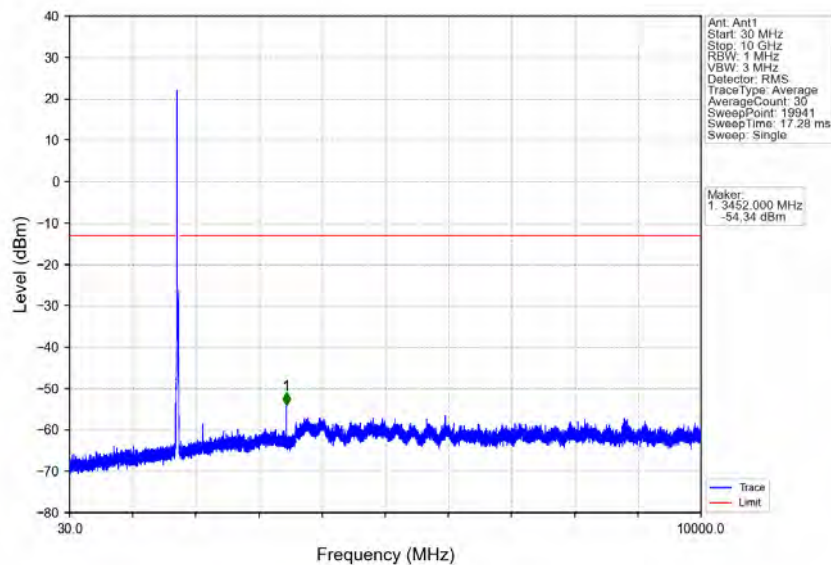
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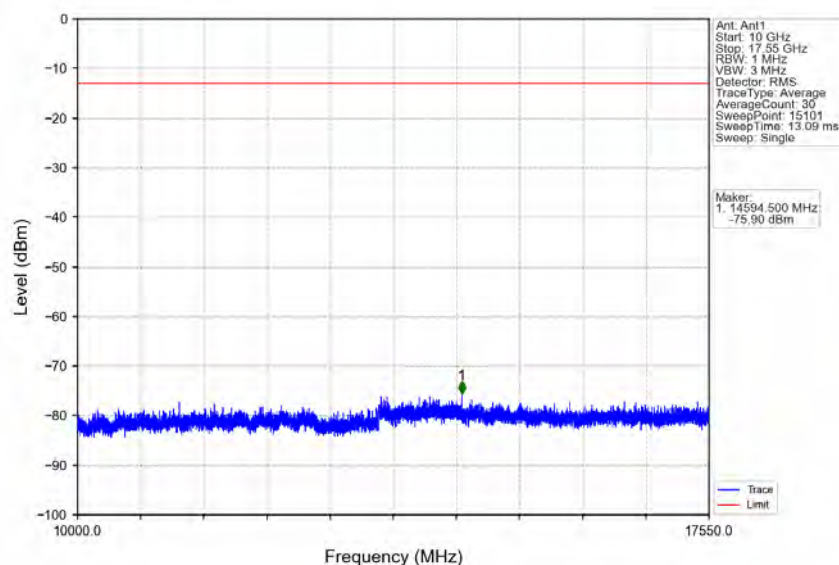
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Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



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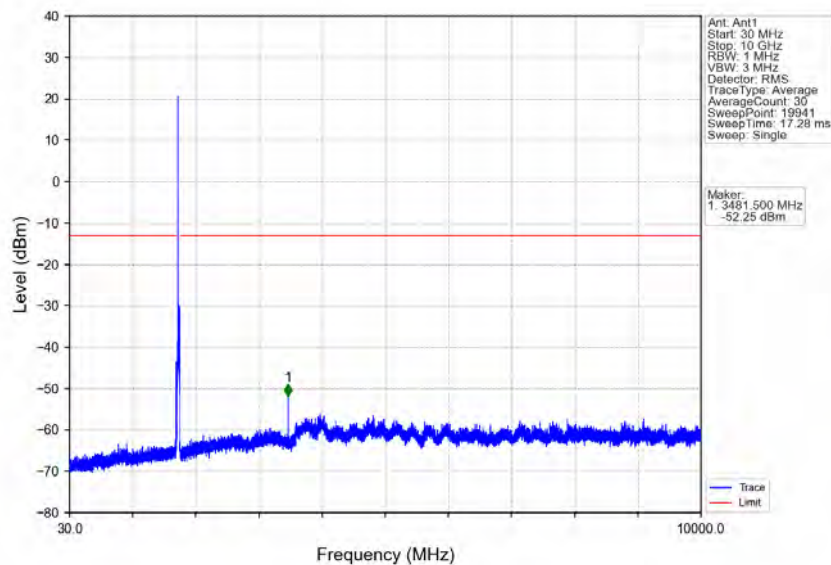
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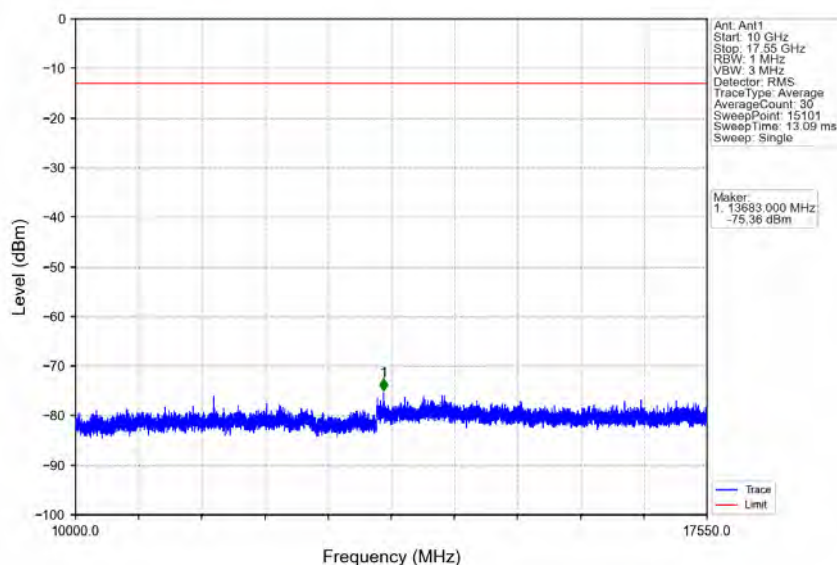
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Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



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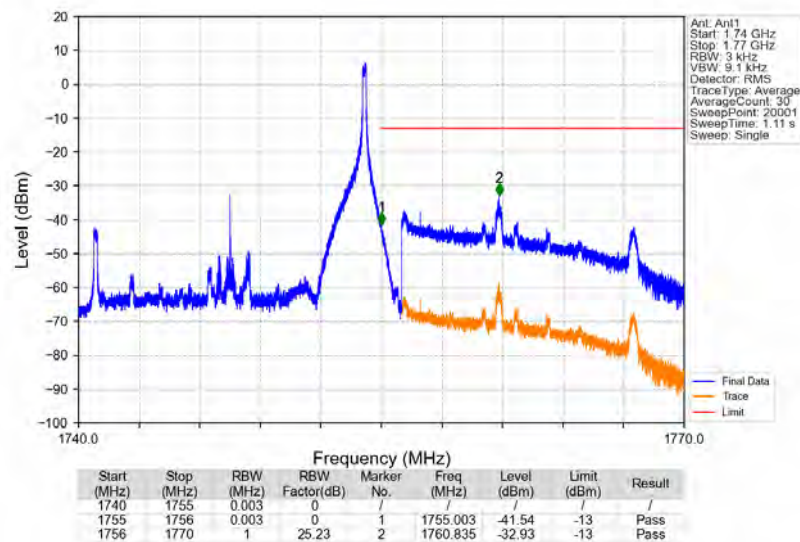
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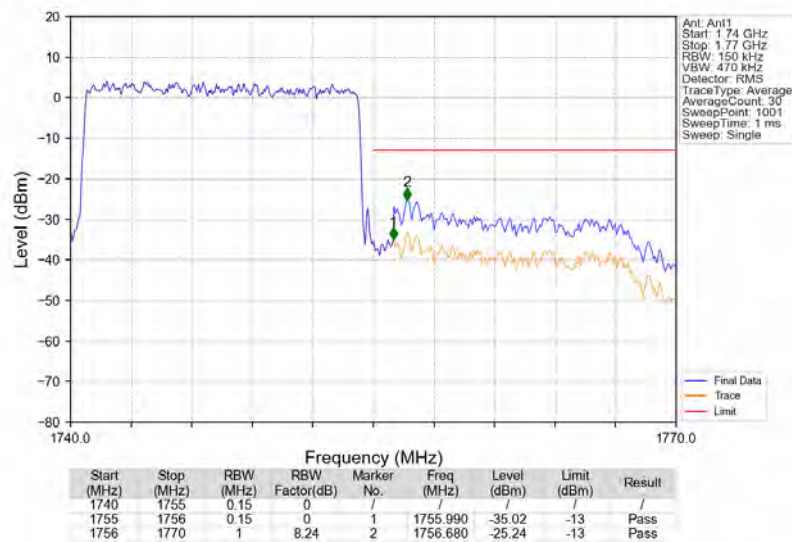
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Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



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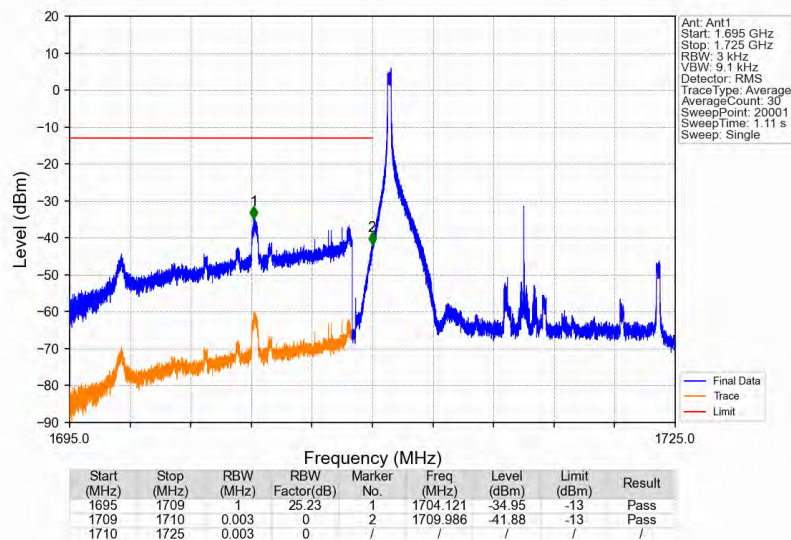
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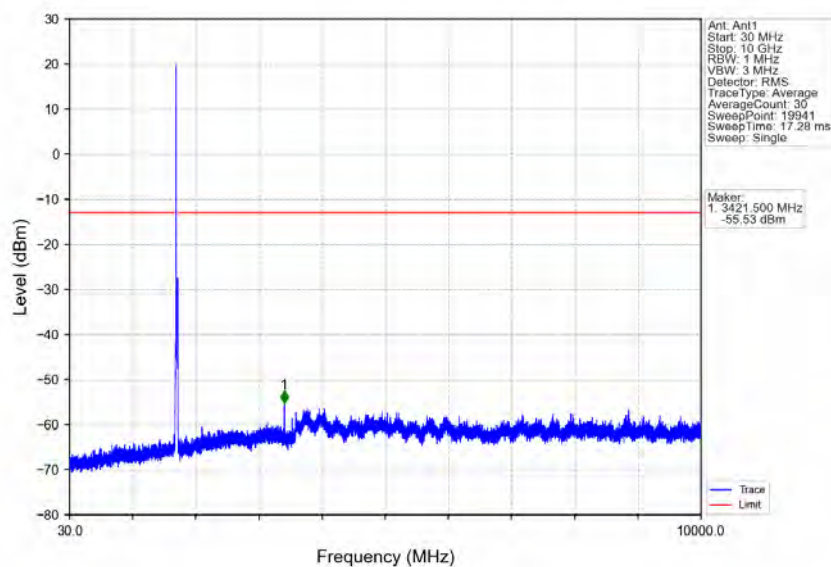
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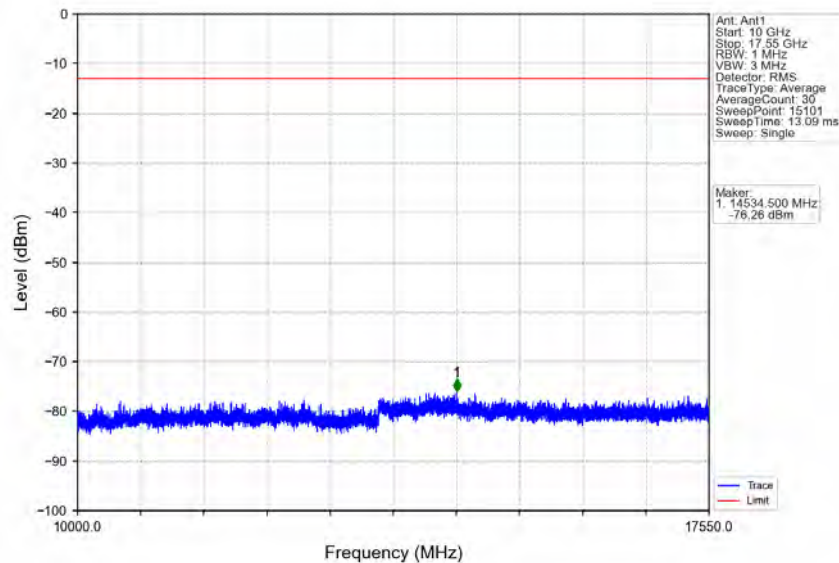
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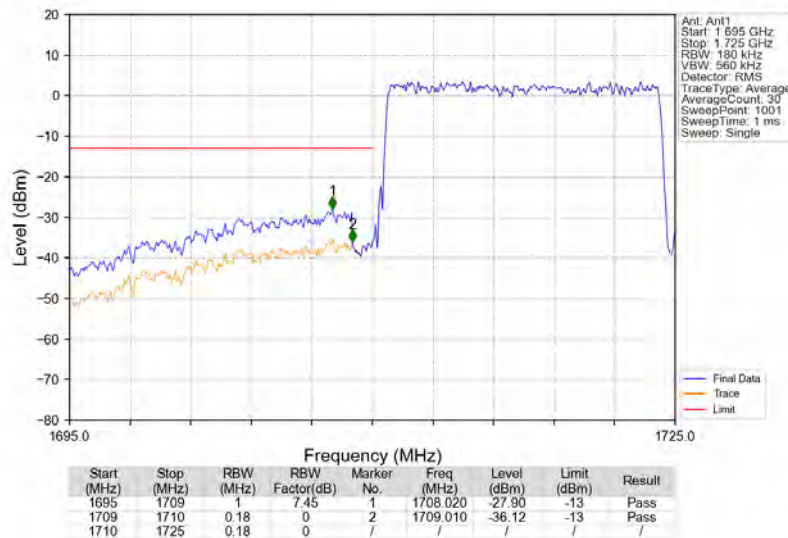
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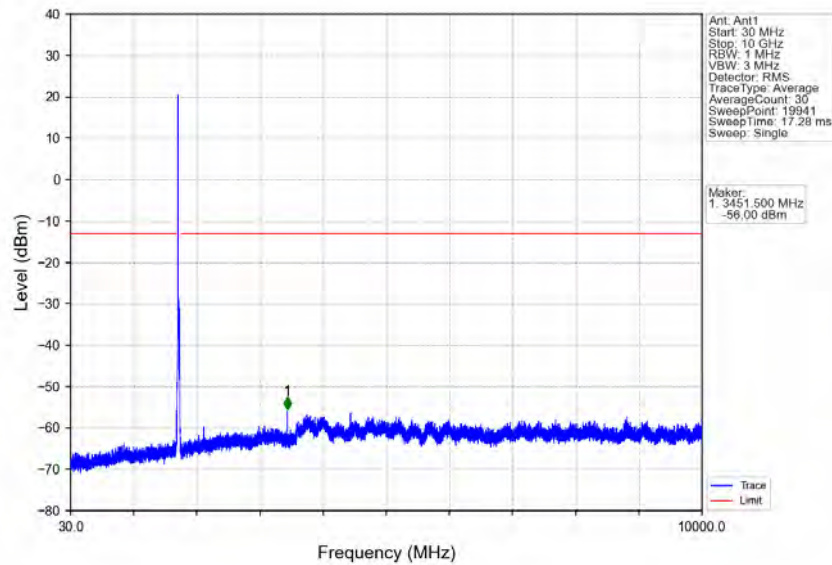
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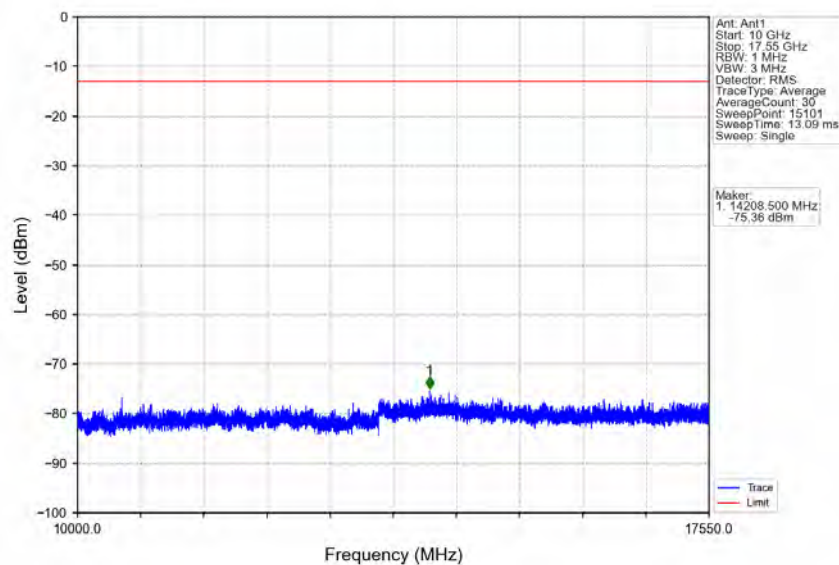
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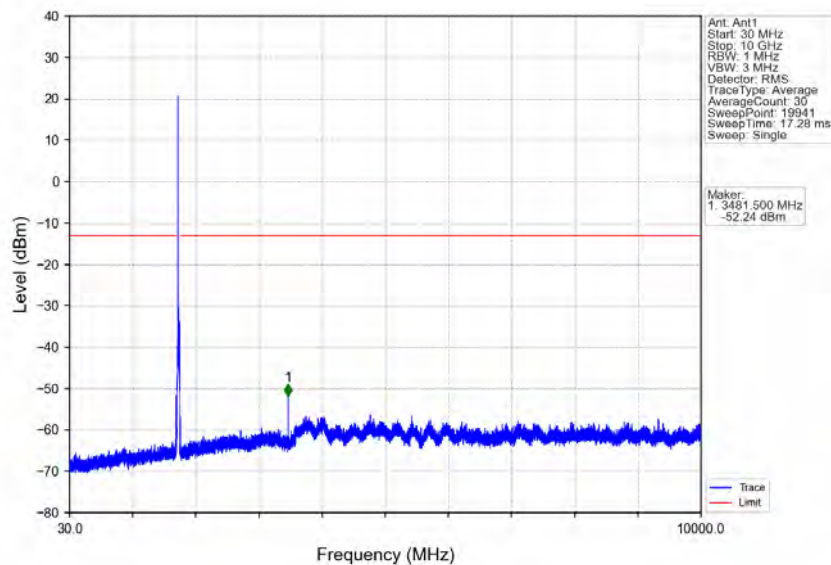
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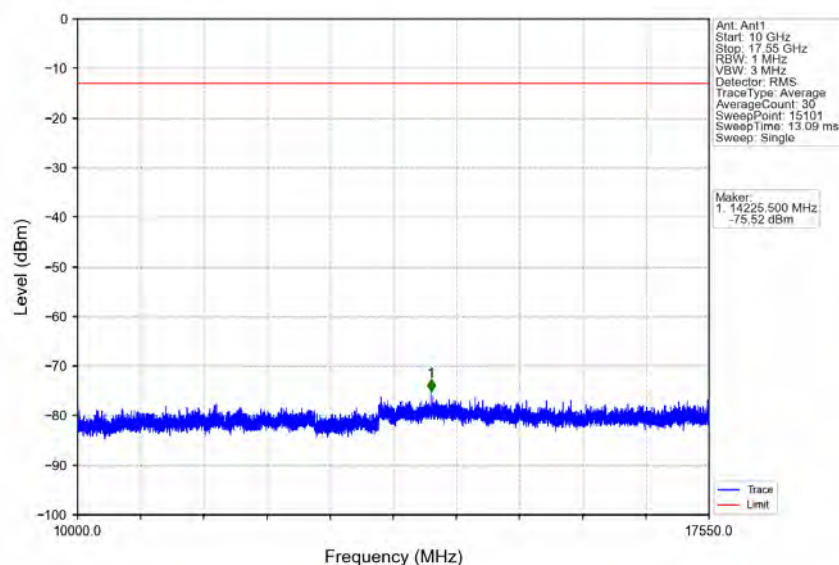
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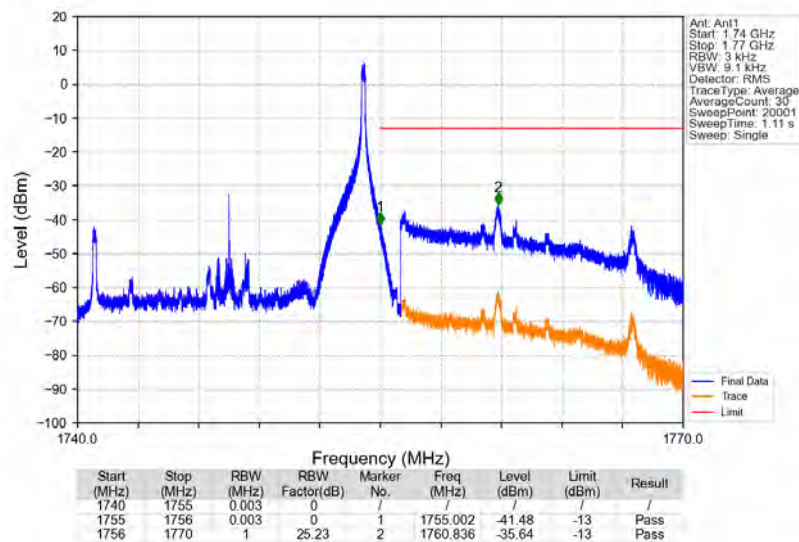
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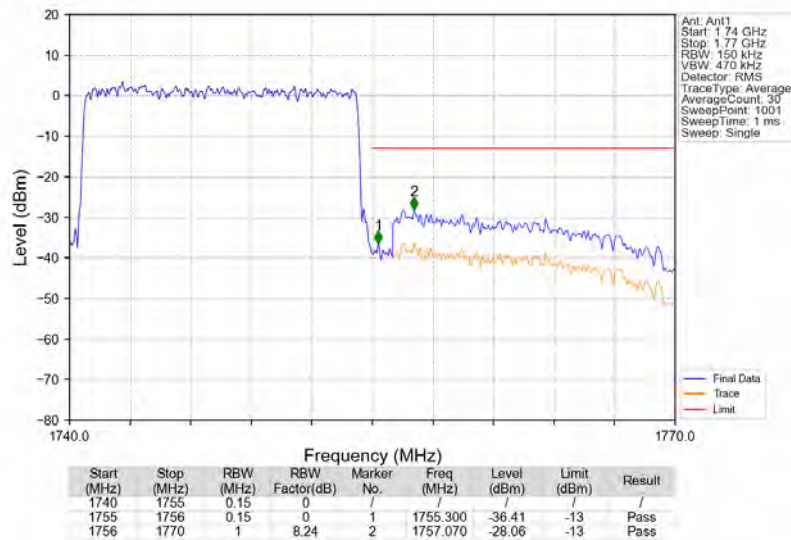
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5.6 B4_20MHz

5.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
		1	99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
		1	99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass



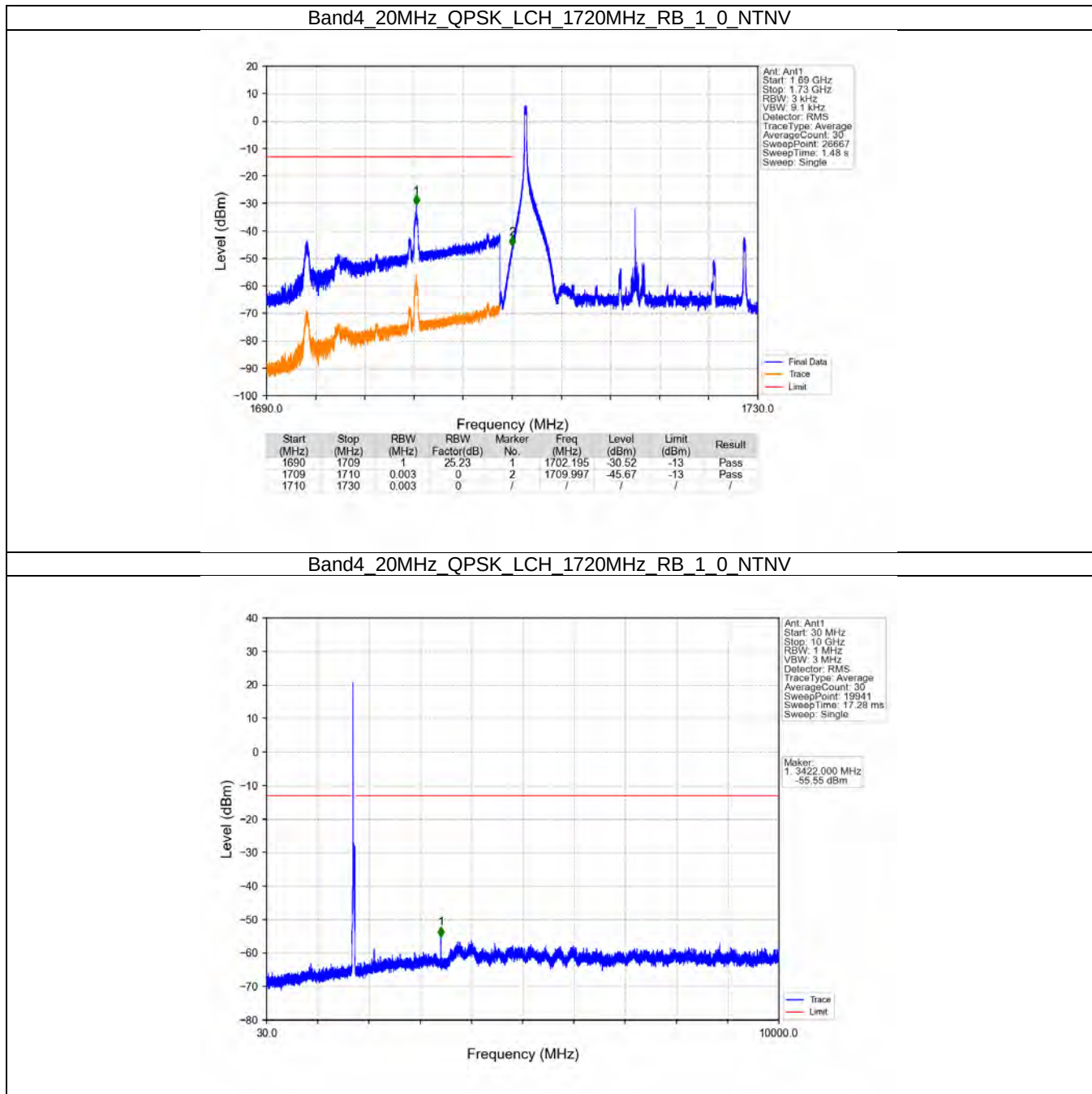
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5.6.2 Test Graph



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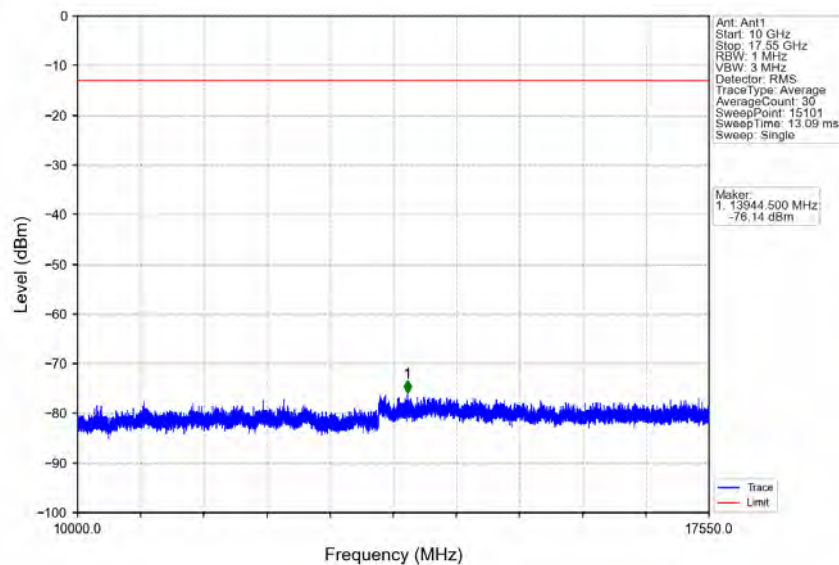
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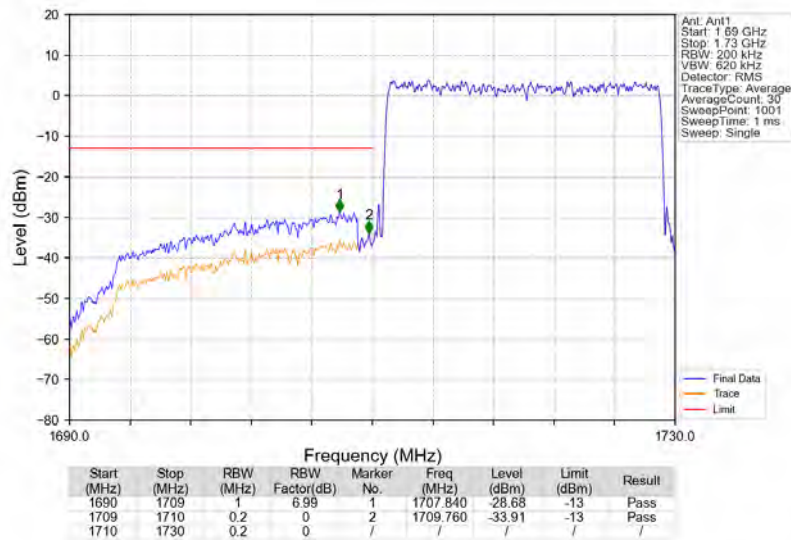
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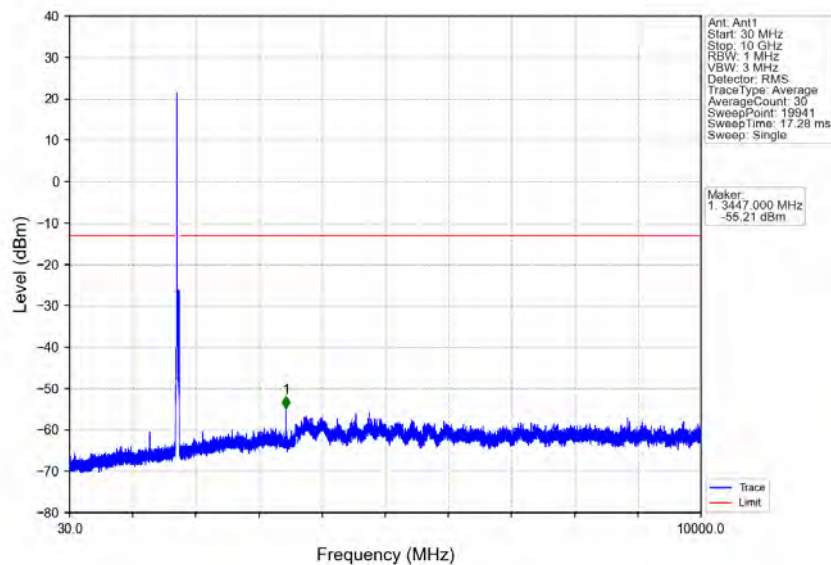
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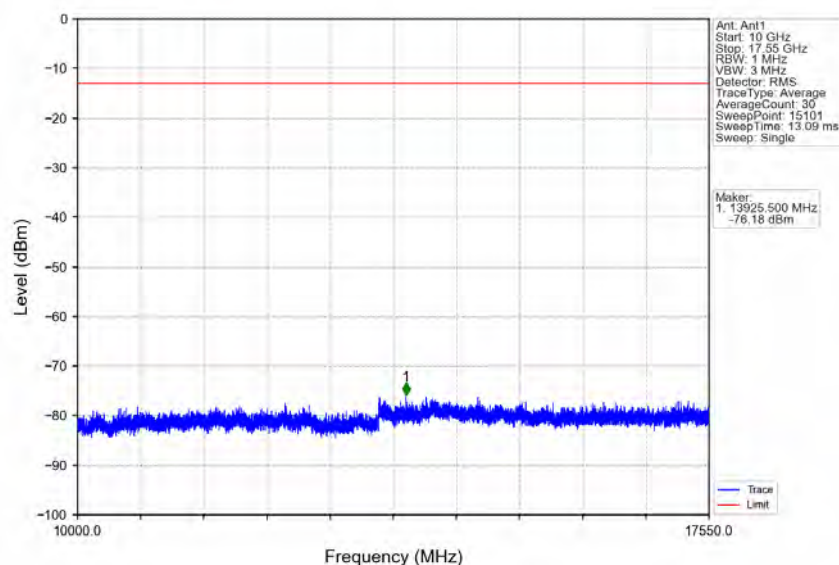
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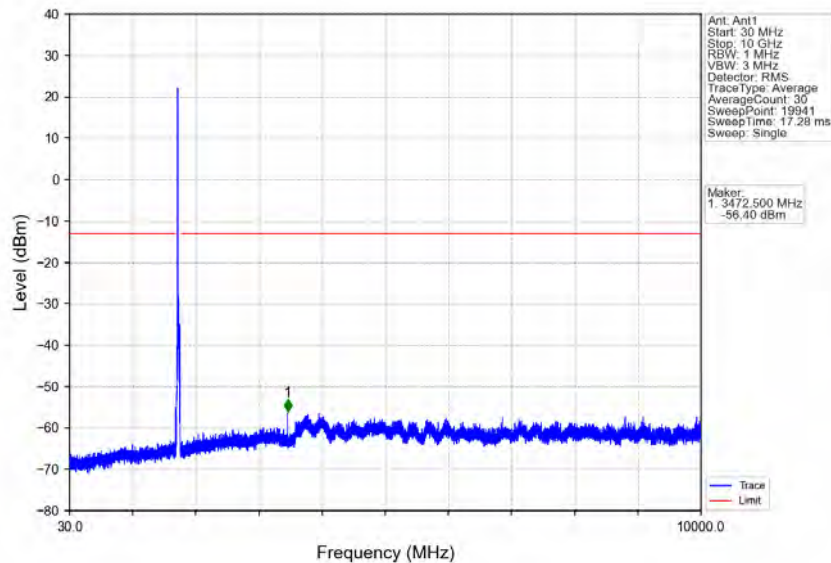
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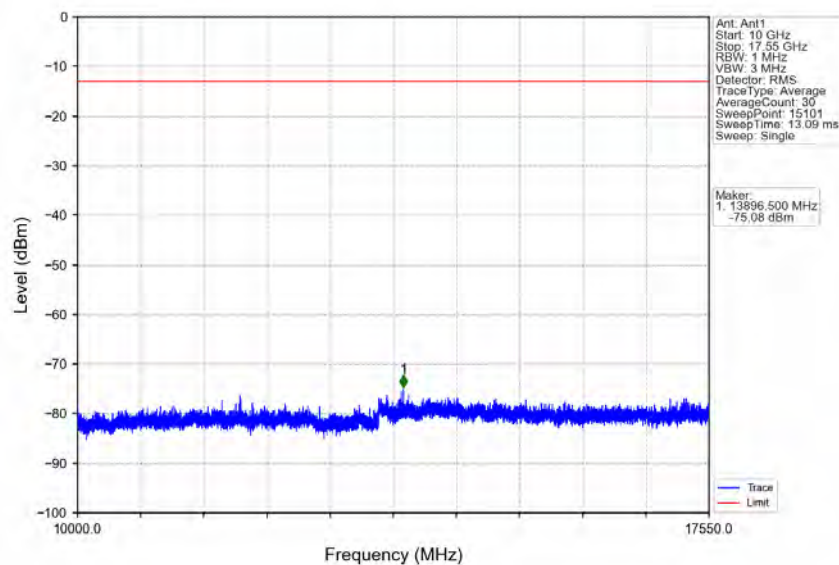
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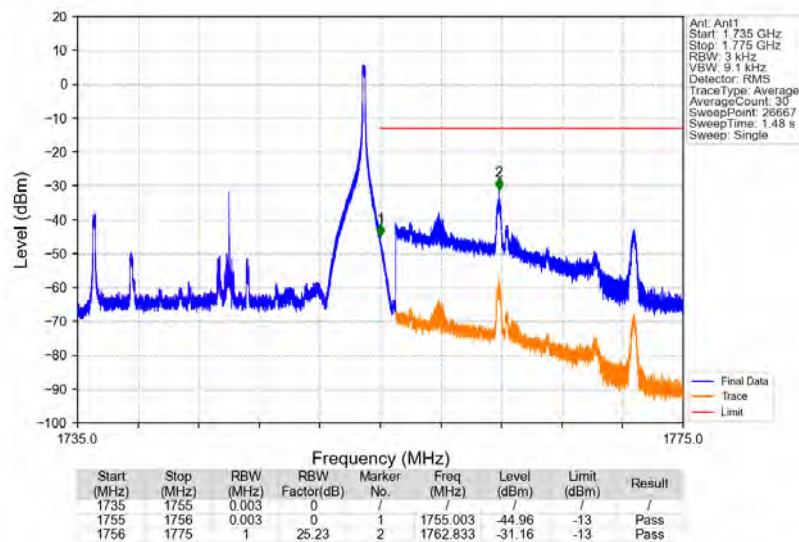
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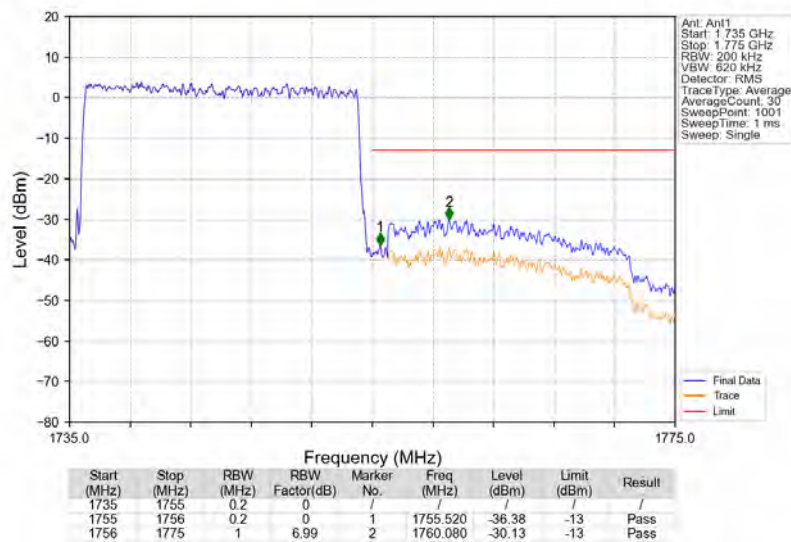
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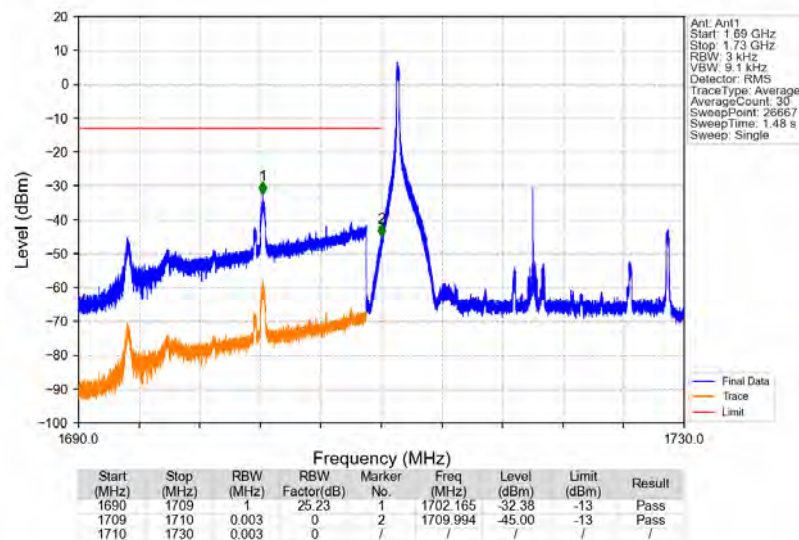
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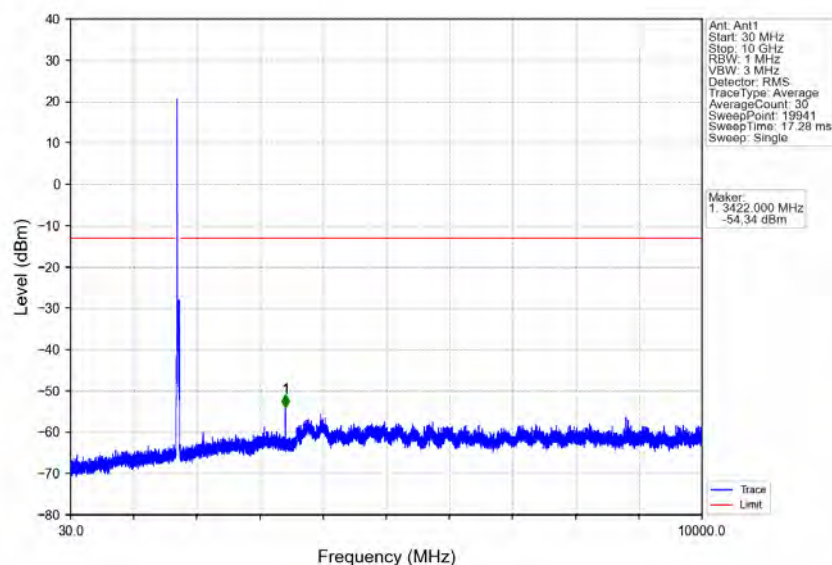
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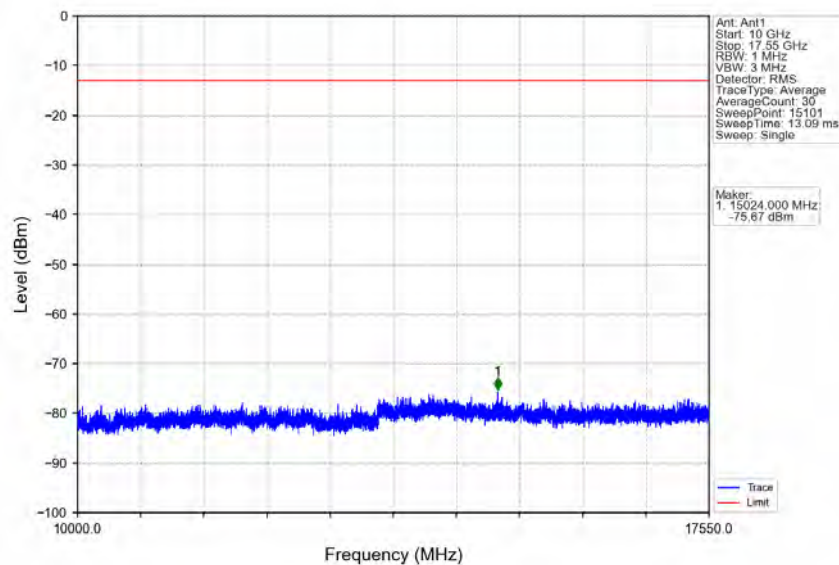
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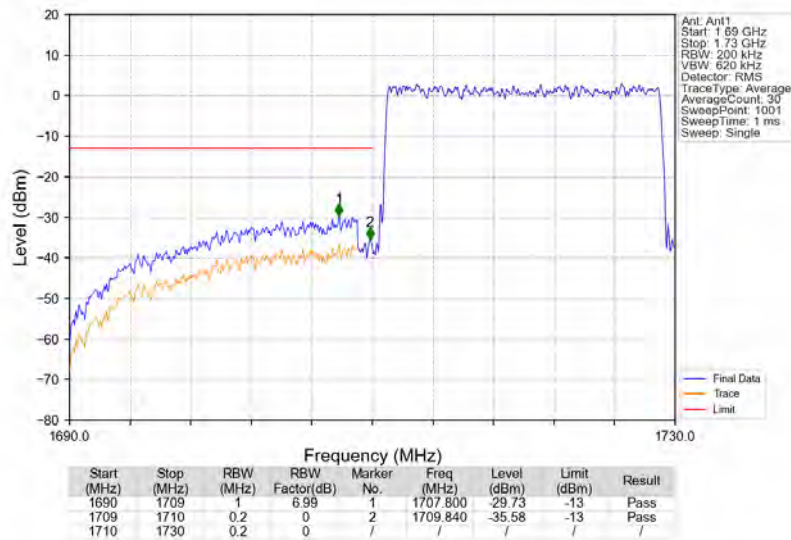
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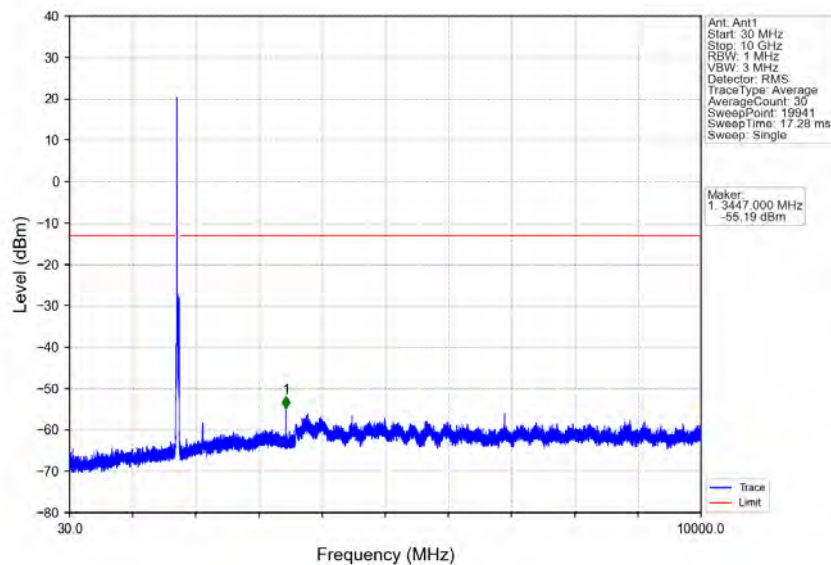
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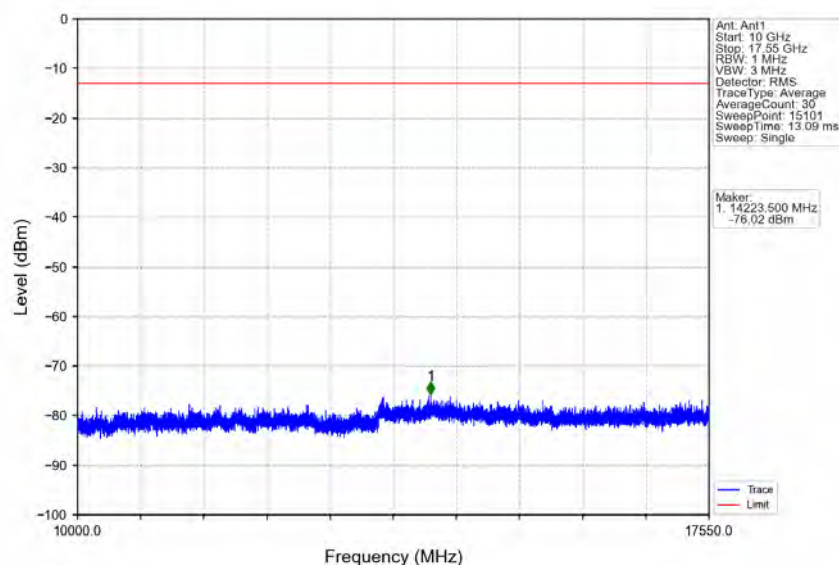
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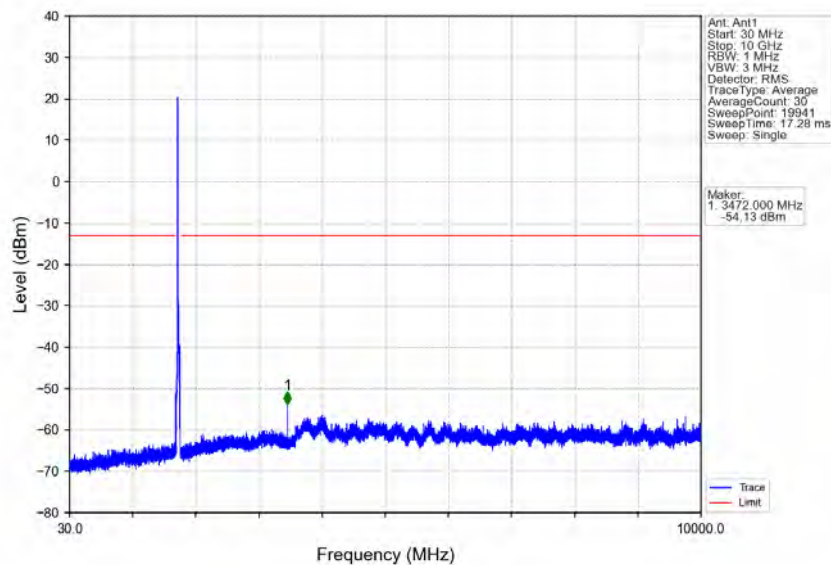
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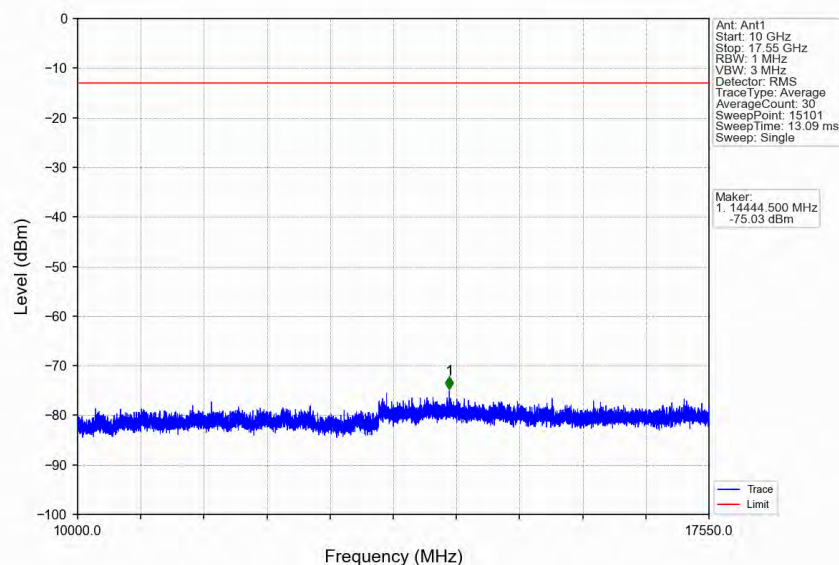
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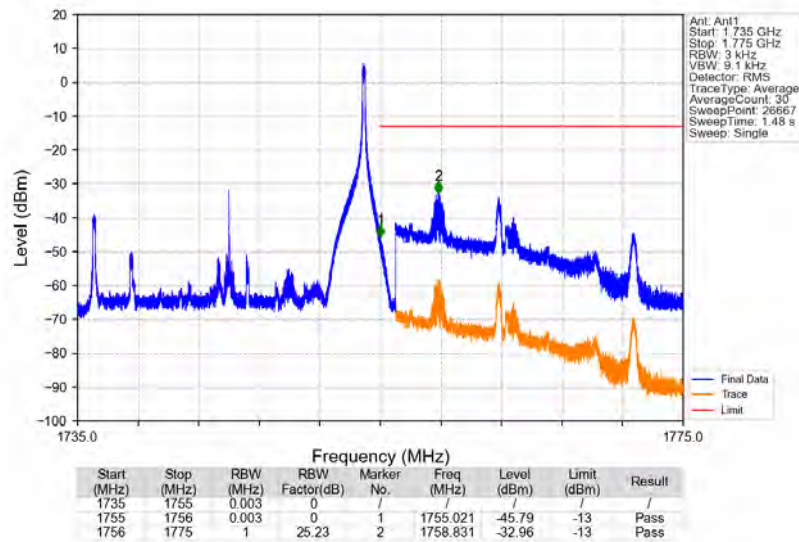
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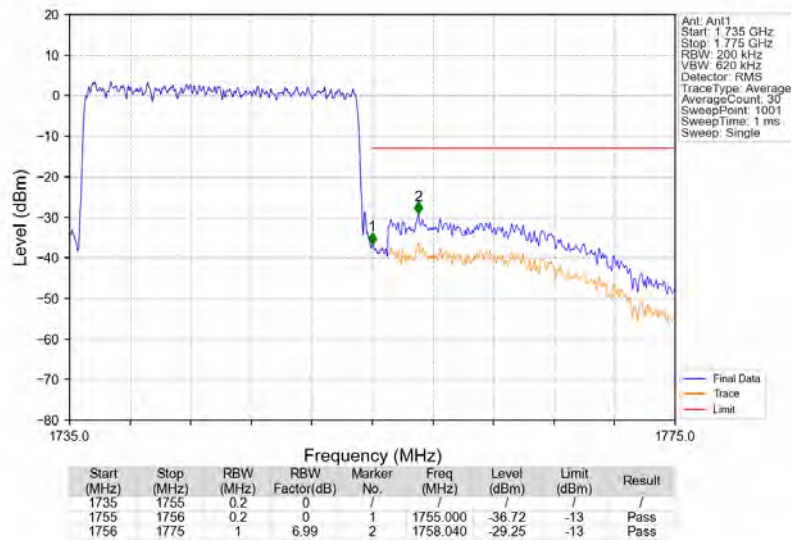
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