

Appendix K for KSCR220400050308

1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1710.7	1	0	23.21	0.40	23.61	<=30	Pass		
			2	23.26	0.40	23.66	<=30	Pass		
			5	23.32	0.40	23.72	<=30	Pass		
		3	0	23.15	0.40	23.55	<=30	Pass		
			2	23.19	0.40	23.59	<=30	Pass		
			3	23.22	0.40	23.62	<=30	Pass		
		6	0	22.19	0.40	22.59	<=30	Pass		
		1732.5	1	0	23.96	0.40	24.36	<=30	Pass	
				2	24.01	0.40	24.41	<=30	Pass	
	5			23.95	0.40	24.35	<=30	Pass		
	3		0	24.17	0.40	24.57	<=30	Pass		
			2	24.16	0.40	24.56	<=30	Pass		
			3	23.96	0.40	24.36	<=30	Pass		
	6		0	22.95	0.40	23.35	<=30	Pass		
	1754.3		1	0	22.90	0.40	23.30	<=30	Pass	
				2	22.89	0.40	23.29	<=30	Pass	
		5		22.99	0.40	23.39	<=30	Pass		
		3	0	22.86	0.40	23.26	<=30	Pass		
			2	22.98	0.40	23.38	<=30	Pass		
			3	22.91	0.40	23.31	<=30	Pass		
		6	0	21.94	0.40	22.34	<=30	Pass		
		16QAM	1710.7	1	0	22.71	0.40	23.11	<=30	Pass
					2	22.93	0.40	23.33	<=30	Pass
	5				22.92	0.40	23.32	<=30	Pass	
3	0			22.58	0.40	22.98	<=30	Pass		
	2			22.56	0.40	22.96	<=30	Pass		
	3			22.50	0.40	22.90	<=30	Pass		
6	0			21.28	0.40	21.68	<=30	Pass		
1732.5	1			0	22.81	0.40	23.21	<=30	Pass	
				2	22.76	0.40	23.16	<=30	Pass	
			5	22.98	0.40	23.38	<=30	Pass		
	3		0	22.94	0.40	23.34	<=30	Pass		
			2	23.02	0.40	23.42	<=30	Pass		
			3	22.88	0.40	23.28	<=30	Pass		
	6		0	21.76	0.40	22.16	<=30	Pass		
	1754.3		1	0	21.53	0.40	21.93	<=30	Pass	
				2	22.05	0.40	22.45	<=30	Pass	
5				22.10	0.40	22.50	<=30	Pass		

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64QAM	1710.7	3	0	21.94	0.40	22.34	<=30	Pass
			2	22.07	0.40	22.47	<=30	Pass
			3	22.01	0.40	22.41	<=30	Pass
		6	0	20.85	0.40	21.25	<=30	Pass
			0	21.35	0.40	21.75	<=30	Pass
			2	21.43	0.40	21.83	<=30	Pass
	1732.5	1	5	21.41	0.40	21.81	<=30	Pass
			0	21.31	0.40	21.71	<=30	Pass
			2	21.39	0.40	21.79	<=30	Pass
		3	3	21.44	0.40	21.84	<=30	Pass
			0	20.24	0.40	20.64	<=30	Pass
			0	21.88	0.40	22.28	<=30	Pass
	1754.3	1	2	21.86	0.40	22.26	<=30	Pass
			5	21.78	0.40	22.18	<=30	Pass
			0	22.19	0.40	22.59	<=30	Pass
		3	2	22.17	0.40	22.57	<=30	Pass
			3	22.16	0.40	22.56	<=30	Pass
			0	21.17	0.40	21.57	<=30	Pass
	1754.3	1	0	21.15	0.40	21.55	<=30	Pass
			2	21.27	0.40	21.67	<=30	Pass
			5	21.28	0.40	21.68	<=30	Pass
		3	0	21.08	0.40	21.48	<=30	Pass
			2	20.93	0.40	21.33	<=30	Pass
			3	20.88	0.40	21.28	<=30	Pass
6	0	19.79	0.40	20.19	<=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	23.35	0.40	23.75	<=30	Pass
			7	23.36	0.40	23.76	<=30	Pass
			14	23.45	0.40	23.85	<=30	Pass
		8	0	22.23	0.40	22.63	<=30	Pass
			4	22.21	0.40	22.61	<=30	Pass
			7	22.22	0.40	22.62	<=30	Pass
	15	0	22.26	0.40	22.66	<=30	Pass	
	1732.5	1	0	23.91	0.40	24.31	<=30	Pass
			7	24.10	0.40	24.50	<=30	Pass
			14	23.86	0.40	24.26	<=30	Pass
		8	0	22.99	0.40	23.39	<=30	Pass
			4	22.99	0.40	23.39	<=30	Pass
			7	23.01	0.40	23.41	<=30	Pass
	15	0	23.02	0.40	23.42	<=30	Pass	
	1753.5	1	0	22.81	0.40	23.21	<=30	Pass



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16QAM	1711.5	8	7	23.24	0.40	23.64	<=30	Pass	
			14	22.92	0.40	23.32	<=30	Pass	
			0	21.81	0.40	22.21	<=30	Pass	
		4	21.83	0.40	22.23	<=30	Pass		
		7	21.82	0.40	22.22	<=30	Pass		
	15	0	21.84	0.40	22.24	<=30	Pass		
	1732.5	1	0	22.88	0.40	23.28	<=30	Pass	
			7	23.00	0.40	23.40	<=30	Pass	
			14	22.78	0.40	23.18	<=30	Pass	
		8	0	21.39	0.40	21.79	<=30	Pass	
			4	21.44	0.40	21.84	<=30	Pass	
			7	21.46	0.40	21.86	<=30	Pass	
		15	0	21.29	0.40	21.69	<=30	Pass	
		1753.5	1	0	23.58	0.40	23.98	<=30	Pass
				7	23.72	0.40	24.12	<=30	Pass
14	23.26			0.40	23.66	<=30	Pass		
8	0		22.26	0.40	22.66	<=30	Pass		
	4		21.84	0.40	22.24	<=30	Pass		
	7		21.89	0.40	22.29	<=30	Pass		
15	0		21.75	0.40	22.15	<=30	Pass		
1753.5	1		0	21.93	0.40	22.33	<=30	Pass	
			7	21.97	0.40	22.37	<=30	Pass	
		14	21.66	0.40	22.06	<=30	Pass		
	8	0	20.77	0.40	21.17	<=30	Pass		
		4	20.77	0.40	21.17	<=30	Pass		
		7	20.74	0.40	21.14	<=30	Pass		
	15	0	20.97	0.40	21.37	<=30	Pass		
	64QAM	1711.5	1	0	21.86	0.40	22.26	<=30	Pass
				7	21.81	0.40	22.21	<=30	Pass
14				22.05	0.40	22.45	<=30	Pass	
8			0	20.53	0.40	20.93	<=30	Pass	
			4	20.28	0.40	20.68	<=30	Pass	
			7	20.28	0.40	20.68	<=30	Pass	
15		0	20.33	0.40	20.73	<=30	Pass		
1732.5		1	0	21.73	0.40	22.13	<=30	Pass	
			7	21.84	0.40	22.24	<=30	Pass	
			14	21.49	0.40	21.89	<=30	Pass	
		8	0	20.69	0.40	21.09	<=30	Pass	
			4	20.70	0.40	21.10	<=30	Pass	
			7	20.67	0.40	21.07	<=30	Pass	
15		0	21.13	0.40	21.53	<=30	Pass		
1753.5		1	0	20.69	0.40	21.09	<=30	Pass	
			7	20.91	0.40	21.31	<=30	Pass	
			14	20.77	0.40	21.17	<=30	Pass	
		8	0	19.86	0.40	20.26	<=30	Pass	
	4		19.71	0.40	20.11	<=30	Pass		
	7		19.63	0.40	20.03	<=30	Pass		
15	0	19.86	0.40	20.26	<=30	Pass			

Note1: EIRP=Conducted Power+Antenna Gain



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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	23.20	0.40	23.60	<=30	Pass	
			13	23.40	0.40	23.80	<=30	Pass	
			24	23.28	0.40	23.68	<=30	Pass	
		12	0	22.26	0.40	22.66	<=30	Pass	
			6	22.35	0.40	22.75	<=30	Pass	
			13	22.36	0.40	22.76	<=30	Pass	
		25	0	22.37	0.40	22.77	<=30	Pass	
			1	0	23.75	0.40	24.15	<=30	Pass
				13	24.01	0.40	24.41	<=30	Pass
	24	23.53		0.40	23.93	<=30	Pass		
	1732.5	12	0	22.98	0.40	23.38	<=30	Pass	
			6	23.05	0.40	23.45	<=30	Pass	
			13	22.91	0.40	23.31	<=30	Pass	
		25	0	22.98	0.40	23.38	<=30	Pass	
			1	0	22.74	0.40	23.14	<=30	Pass
				13	23.11	0.40	23.51	<=30	Pass
	24	22.78		0.40	23.18	<=30	Pass		
	1752.5	12	0	21.94	0.40	22.34	<=30	Pass	
			6	22.02	0.40	22.42	<=30	Pass	
			13	21.99	0.40	22.39	<=30	Pass	
		25	0	21.92	0.40	22.32	<=30	Pass	
			1	0	21.79	0.40	22.19	<=30	Pass
				13	22.12	0.40	22.52	<=30	Pass
	24	21.77		0.40	22.17	<=30	Pass		
16QAM	1712.5	12	0	21.23	0.40	21.63	<=30	Pass	
			6	21.24	0.40	21.64	<=30	Pass	
			13	21.29	0.40	21.69	<=30	Pass	
		25	0	21.59	0.40	21.99	<=30	Pass	
			1	0	23.29	0.40	23.69	<=30	Pass
				13	23.65	0.40	24.05	<=30	Pass
		24		23.17	0.40	23.57	<=30	Pass	
		1732.5	12	0	22.05	0.40	22.45	<=30	Pass
				6	22.02	0.40	22.42	<=30	Pass
	13			21.82	0.40	22.22	<=30	Pass	
	25		0	21.93	0.40	22.33	<=30	Pass	
			1	0	21.91	0.40	22.31	<=30	Pass
				13	22.16	0.40	22.56	<=30	Pass
	1752.5	12		0	21.80	0.40	22.20	<=30	Pass
			6	21.03	0.40	21.43	<=30	Pass	
			13	21.03	0.40	21.43	<=30	Pass	
		25	0	21.07	0.40	21.47	<=30	Pass	
			1	0	20.97	0.40	21.37	<=30	Pass
				0	21.13	0.40	21.53	<=30	Pass
	64QAM	1712.5		1	0	21.13	0.40	21.53	<=30



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	1732.5	12	13	21.37	0.40	21.77	<=30	Pass
			24	21.36	0.40	21.76	<=30	Pass
			0	20.27	0.40	20.67	<=30	Pass
		25	6	20.33	0.40	20.73	<=30	Pass
			13	20.22	0.40	20.62	<=30	Pass
			0	20.34	0.40	20.74	<=30	Pass
	1752.5	1	0	22.23	0.40	22.63	<=30	Pass
			13	22.23	0.40	22.63	<=30	Pass
			24	21.79	0.40	22.19	<=30	Pass
		12	0	21.24	0.40	21.64	<=30	Pass
			6	20.98	0.40	21.38	<=30	Pass
			13	20.94	0.40	21.34	<=30	Pass
	25	0	21.10	0.40	21.50	<=30	Pass	
	1752.5	1	0	20.56	0.40	20.96	<=30	Pass
			13	21.33	0.40	21.73	<=30	Pass
			24	20.46	0.40	20.86	<=30	Pass
		12	0	19.91	0.40	20.31	<=30	Pass
			6	20.08	0.40	20.48	<=30	Pass
			13	20.16	0.40	20.56	<=30	Pass
	25	0	19.97	0.40	20.37	<=30	Pass	

Note1: EIRP=Conducted Power+Antenna Gain

1.4 B4_10MHz_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	23.34	0.40	23.74	<=30	Pass
			25	23.97	0.40	24.37	<=30	Pass
			49	23.34	0.40	23.74	<=30	Pass
		25	0	22.99	0.40	23.39	<=30	Pass
			13	22.62	0.40	23.02	<=30	Pass
			25	22.75	0.40	23.15	<=30	Pass
	50	0	22.64	0.40	23.04	<=30	Pass	
	1732.5	1	0	24.11	0.40	24.51	<=30	Pass
			25	24.37	0.40	24.77	<=30	Pass
			49	23.61	0.40	24.01	<=30	Pass
		25	0	23.20	0.40	23.60	<=30	Pass
			13	23.04	0.40	23.44	<=30	Pass
			25	22.87	0.40	23.27	<=30	Pass
	50	0	22.90	0.40	23.30	<=30	Pass	
	1750	1	0	23.31	0.40	23.71	<=30	Pass
			25	23.50	0.40	23.90	<=30	Pass
			49	23.04	0.40	23.44	<=30	Pass
		25	0	22.24	0.40	22.64	<=30	Pass
			13	22.19	0.40	22.59	<=30	Pass
			25	21.99	0.40	22.39	<=30	Pass

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		50	0	22.19	0.40	22.59	<=30	Pass	
16QAM	1715	1	0	22.73	0.40	23.13	<=30	Pass	
			25	23.19	0.40	23.59	<=30	Pass	
			49	22.91	0.40	23.31	<=30	Pass	
		25	0	21.64	0.40	22.04	<=30	Pass	
			13	21.80	0.40	22.20	<=30	Pass	
			25	21.62	0.40	22.02	<=30	Pass	
	1732.5	1	0	21.64	0.40	22.04	<=30	Pass	
			0	23.57	0.40	23.97	<=30	Pass	
			25	24.30	0.40	24.70	<=30	Pass	
		25	49	23.27	0.40	23.67	<=30	Pass	
			0	22.28	0.40	22.68	<=30	Pass	
			13	22.16	0.40	22.56	<=30	Pass	
	1750	1	25	22.02	0.40	22.42	<=30	Pass	
			0	22.02	0.40	22.42	<=30	Pass	
			0	22.50	0.40	22.90	<=30	Pass	
		25	25	22.32	0.40	22.72	<=30	Pass	
			49	21.89	0.40	22.29	<=30	Pass	
			0	21.16	0.40	21.56	<=30	Pass	
	64QAM	1715	1	13	21.22	0.40	21.62	<=30	Pass
				25	21.39	0.40	21.79	<=30	Pass
				0	21.19	0.40	21.59	<=30	Pass
			25	0	21.01	0.40	21.41	<=30	Pass
				25	22.18	0.40	22.58	<=30	Pass
				49	21.51	0.40	21.91	<=30	Pass
64QAM	1732.5	1	0	21.09	0.40	21.49	<=30	Pass	
			13	20.55	0.40	20.95	<=30	Pass	
			25	20.75	0.40	21.15	<=30	Pass	
		25	0	20.73	0.40	21.13	<=30	Pass	
			0	21.90	0.40	22.30	<=30	Pass	
			25	22.07	0.40	22.47	<=30	Pass	
	1750	1	49	21.44	0.40	21.84	<=30	Pass	
			0	21.21	0.40	21.61	<=30	Pass	
			13	21.11	0.40	21.51	<=30	Pass	
		25	25	20.88	0.40	21.28	<=30	Pass	
			0	21.09	0.40	21.49	<=30	Pass	
			0	21.19	0.40	21.59	<=30	Pass	
1750	1	25	21.41	0.40	21.81	<=30	Pass		
		49	20.73	0.40	21.13	<=30	Pass		
		0	20.29	0.40	20.69	<=30	Pass		
	25	13	20.34	0.40	20.74	<=30	Pass		
		25	20.14	0.40	20.54	<=30	Pass		
		0	20.22	0.40	20.62	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.5 B4_15MHz_EIRP

1.5.1 Test Result



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Band: 4 / Bandwidth: 15MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1717.5	1	0	22.84	0.40	23.24	<=30	Pass		
			38	24.03	0.40	24.43	<=30	Pass		
			74	23.42	0.40	23.82	<=30	Pass		
		36	0	22.60	0.40	23.00	<=30	Pass		
			18	22.87	0.40	23.27	<=30	Pass		
			39	23.01	0.40	23.41	<=30	Pass		
		75	0	22.87	0.40	23.27	<=30	Pass		
		1732.5	1	0	23.75	0.40	24.15	<=30	Pass	
				38	24.37	0.40	24.77	<=30	Pass	
	74			23.57	0.40	23.97	<=30	Pass		
	36		0	23.22	0.40	23.62	<=30	Pass		
			18	23.22	0.40	23.62	<=30	Pass		
			39	22.75	0.40	23.15	<=30	Pass		
	75		0	23.03	0.40	23.43	<=30	Pass		
	1747.5		1	0	23.60	0.40	24.00	<=30	Pass	
				38	23.40	0.40	23.80	<=30	Pass	
		74		22.77	0.40	23.17	<=30	Pass		
		36	0	22.52	0.40	22.92	<=30	Pass		
			18	22.43	0.40	22.83	<=30	Pass		
			39	22.07	0.40	22.47	<=30	Pass		
		75	0	22.32	0.40	22.72	<=30	Pass		
		16QAM	1717.5	1	0	22.24	0.40	22.64	<=30	Pass
					38	23.56	0.40	23.96	<=30	Pass
	74				22.98	0.40	23.38	<=30	Pass	
36	0			21.77	0.40	22.17	<=30	Pass		
	18			21.87	0.40	22.27	<=30	Pass		
	39			21.93	0.40	22.33	<=30	Pass		
75	0			21.87	0.40	22.27	<=30	Pass		
1732.5	1			0	22.82	0.40	23.22	<=30	Pass	
				38	24.12	0.40	24.52	<=30	Pass	
			74	23.27	0.40	23.67	<=30	Pass		
	36		0	22.36	0.40	22.76	<=30	Pass		
			18	22.23	0.40	22.63	<=30	Pass		
			39	21.56	0.40	21.96	<=30	Pass		
	75		0	21.95	0.40	22.35	<=30	Pass		
	1747.5		1	0	23.13	0.40	23.53	<=30	Pass	
				38	22.60	0.40	23.00	<=30	Pass	
74				21.80	0.40	22.20	<=30	Pass		
36			0	21.36	0.40	21.76	<=30	Pass		
			18	21.49	0.40	21.89	<=30	Pass		
			39	21.07	0.40	21.47	<=30	Pass		
75			0	21.30	0.40	21.70	<=30	Pass		
64QAM			1717.5	1	0	20.82	0.40	21.22	<=30	Pass
					38	22.18	0.40	22.58	<=30	Pass
	74				21.57	0.40	21.97	<=30	Pass	
	36	0		20.97	0.40	21.37	<=30	Pass		
		18		20.94	0.40	21.34	<=30	Pass		
		39		20.99	0.40	21.39	<=30	Pass		

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	1732.5	75	0	20.93	0.40	21.33	<=30	Pass	
			1	0	21.74	0.40	22.14	<=30	Pass
				38	21.94	0.40	22.34	<=30	Pass
		36	74	21.11	0.40	21.51	<=30	Pass	
			0	21.40	0.40	21.80	<=30	Pass	
			18	21.24	0.40	21.64	<=30	Pass	
	1747.5	75	39	20.82	0.40	21.22	<=30	Pass	
			0	21.07	0.40	21.47	<=30	Pass	
			0	22.18	0.40	22.58	<=30	Pass	
		1	38	21.93	0.40	22.33	<=30	Pass	
			74	21.00	0.40	21.40	<=30	Pass	
		36	0	20.31	0.40	20.71	<=30	Pass	
	18		20.51	0.40	20.91	<=30	Pass		
	39		20.21	0.40	20.61	<=30	Pass		
	75	0	20.26	0.40	20.66	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTN									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1720	1	0	22.65	0.40	23.05	<=30	Pass	
			50	24.27	0.40	24.67	<=30	Pass	
			99	23.87	0.40	24.27	<=30	Pass	
		50	0	22.68	0.40	23.08	<=30	Pass	
			25	23.15	0.40	23.55	<=30	Pass	
			50	23.09	0.40	23.49	<=30	Pass	
	100	0	23.04	0.40	23.44	<=30	Pass		
	1732.5	1	0	23.22	0.40	23.62	<=30	Pass	
			50	24.98	0.40	25.38	<=30	Pass	
			99	23.50	0.40	23.90	<=30	Pass	
		50	0	23.22	0.40	23.62	<=30	Pass	
			25	23.03	0.40	23.43	<=30	Pass	
			50	22.79	0.40	23.19	<=30	Pass	
	100	0	23.07	0.40	23.47	<=30	Pass		
	1745	1	0	24.04	0.40	24.44	<=30	Pass	
			50	23.74	0.40	24.14	<=30	Pass	
			99	22.86	0.40	23.26	<=30	Pass	
		50	0	22.87	0.40	23.27	<=30	Pass	
			25	22.56	0.40	22.96	<=30	Pass	
			50	22.22	0.40	22.62	<=30	Pass	
	100	0	22.55	0.40	22.95	<=30	Pass		
	16QAM	1720	1	0	21.71	0.40	22.11	<=30	Pass
				50	23.48	0.40	23.88	<=30	Pass
				99	23.31	0.40	23.71	<=30	Pass
50			0	21.74	0.40	22.14	<=30	Pass	

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	1732.5	100	25	22.11	0.40	22.51	<=30	Pass		
			50	22.15	0.40	22.55	<=30	Pass		
			0	21.84	0.40	22.24	<=30	Pass		
		1	50	0	22.36	0.40	22.76	<=30	Pass	
				50	23.53	0.40	23.93	<=30	Pass	
				99	22.48	0.40	22.88	<=30	Pass	
		50	100	0	22.14	0.40	22.54	<=30	Pass	
				25	22.10	0.40	22.50	<=30	Pass	
				50	21.77	0.40	22.17	<=30	Pass	
	1745	1	100	0	21.87	0.40	22.27	<=30	Pass	
				0	23.80	0.40	24.20	<=30	Pass	
				50	24.00	0.40	24.40	<=30	Pass	
		50	100	99	22.86	0.40	23.26	<=30	Pass	
				0	21.70	0.40	22.10	<=30	Pass	
				25	21.59	0.40	21.99	<=30	Pass	
		100	100	50	21.27	0.40	21.67	<=30	Pass	
				0	21.47	0.40	21.87	<=30	Pass	
				0	20.57	0.40	20.97	<=30	Pass	
64QAM	1720	1	50	22.37	0.40	22.77	<=30	Pass		
			99	22.17	0.40	22.57	<=30	Pass		
			0	20.74	0.40	21.14	<=30	Pass		
		50	100	25	21.14	0.40	21.54	<=30	Pass	
				50	21.22	0.40	21.62	<=30	Pass	
				0	20.87	0.40	21.27	<=30	Pass	
		1732.5	1	100	0	21.40	0.40	21.80	<=30	Pass
					50	23.39	0.40	23.79	<=30	Pass
					99	22.08	0.40	22.48	<=30	Pass
	50		100	0	21.17	0.40	21.57	<=30	Pass	
				25	21.02	0.40	21.42	<=30	Pass	
				50	20.76	0.40	21.16	<=30	Pass	
	1745		1	100	0	20.97	0.40	21.37	<=30	Pass
					0	22.13	0.40	22.53	<=30	Pass
					50	22.11	0.40	22.51	<=30	Pass
		50	100	99	21.15	0.40	21.55	<=30	Pass	
				0	20.75	0.40	21.15	<=30	Pass	
				25	20.59	0.40	20.99	<=30	Pass	
100		100	50	20.27	0.40	20.67	<=30	Pass		
			0	20.44	0.40	20.84	<=30	Pass		
			0	20.44	0.40	20.84	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



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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	6.12	8.700	0.0051	-2.5 to 2.5	Pass
					7.2	7.228	0.0042	-2.5 to 2.5	Pass
					8.28	5.778	0.0034	-2.5 to 2.5	Pass
				-30	7.2	5.027	0.0029	-2.5 to 2.5	Pass
				-20	7.2	4.298	0.0025	-2.5 to 2.5	Pass
				-10	7.2	4.699	0.0027	-2.5 to 2.5	Pass
				0	7.2	4.333	0.0025	-2.5 to 2.5	Pass
				10	7.2	3.386	0.0020	-2.5 to 2.5	Pass
				30	7.2	3.976	0.0023	-2.5 to 2.5	Pass
				40	7.2	2.562	0.0015	-2.5 to 2.5	Pass
				50	7.2	2.422	0.0014	-2.5 to 2.5	Pass
				1732.5	6	0	20	6.12	11.242
	7.2	11.247	0.0065					-2.5 to 2.5	Pass
	8.28	9.709	0.0056					-2.5 to 2.5	Pass
	-30	7.2	9.634				0.0056	-2.5 to 2.5	Pass
	-20	7.2	8.616				0.0050	-2.5 to 2.5	Pass
	-10	7.2	8.895				0.0051	-2.5 to 2.5	Pass
	0	7.2	6.533				0.0038	-2.5 to 2.5	Pass
	10	7.2	6.380				0.0037	-2.5 to 2.5	Pass
	30	7.2	6.312				0.0036	-2.5 to 2.5	Pass
	40	7.2	4.612				0.0027	-2.5 to 2.5	Pass
	50	7.2	3.781				0.0022	-2.5 to 2.5	Pass
	1754.3	6	0				20	6.12	-7.670
				7.2	-6.600	-0.0038		-2.5 to 2.5	Pass
				8.28	-5.986	-0.0034		-2.5 to 2.5	Pass
				-30	7.2	-6.243	-0.0036	-2.5 to 2.5	Pass
				-20	7.2	-4.800	-0.0027	-2.5 to 2.5	Pass
				-10	7.2	-5.200	-0.0030	-2.5 to 2.5	Pass
				0	7.2	-3.944	-0.0022	-2.5 to 2.5	Pass
				10	7.2	-3.910	-0.0022	-2.5 to 2.5	Pass
30				7.2	-4.546	-0.0026	-2.5 to 2.5	Pass	
40				7.2	-4.148	-0.0024	-2.5 to 2.5	Pass	
50				7.2	-3.438	-0.0020	-2.5 to 2.5	Pass	
16QAM				1710.7	6	0	20	6.12	2.383
	7.2	0.617	0.0004					-2.5 to 2.5	Pass
	8.28	-0.146	-0.0001					-2.5 to 2.5	Pass
	-30	7.2	1.423				0.0008	-2.5 to 2.5	Pass
	-20	7.2	1.432				0.0008	-2.5 to 2.5	Pass
	-10	7.2	0.967				0.0006	-2.5 to 2.5	Pass
	0	7.2	0.812				0.0005	-2.5 to 2.5	Pass



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64QAM	1732.5	6	0	10	7.2	1.224	0.0007	-2.5 to 2.5	Pass
				30	7.2	0.245	0.0001	-2.5 to 2.5	Pass
				40	7.2	0.792	0.0005	-2.5 to 2.5	Pass
				50	7.2	-0.443	-0.0003	-2.5 to 2.5	Pass
				20	6.12	3.210	0.0019	-2.5 to 2.5	Pass
					7.2	3.155	0.0018	-2.5 to 2.5	Pass
					8.28	3.164	0.0018	-2.5 to 2.5	Pass
				-30	7.2	2.414	0.0014	-2.5 to 2.5	Pass
				-20	7.2	2.863	0.0017	-2.5 to 2.5	Pass
				-10	7.2	1.216	0.0007	-2.5 to 2.5	Pass
				0	7.2	0.108	0.0001	-2.5 to 2.5	Pass
				10	7.2	1.274	0.0007	-2.5 to 2.5	Pass
	30	7.2	0.786	0.0005	-2.5 to 2.5	Pass			
	40	7.2	0.348	0.0002	-2.5 to 2.5	Pass			
	50	7.2	-0.209	-0.0001	-2.5 to 2.5	Pass			
	1754.3	6	0	20	6.12	-4.397	-0.0025	-2.5 to 2.5	Pass
					7.2	-3.916	-0.0022	-2.5 to 2.5	Pass
					8.28	-3.919	-0.0022	-2.5 to 2.5	Pass
				-30	7.2	-4.043	-0.0023	-2.5 to 2.5	Pass
				-20	7.2	-2.472	-0.0014	-2.5 to 2.5	Pass
				-10	7.2	-2.885	-0.0016	-2.5 to 2.5	Pass
				0	7.2	-2.751	-0.0016	-2.5 to 2.5	Pass
				10	7.2	-4.190	-0.0024	-2.5 to 2.5	Pass
				30	7.2	-2.766	-0.0016	-2.5 to 2.5	Pass
40				7.2	-2.482	-0.0014	-2.5 to 2.5	Pass	
50				7.2	-2.365	-0.0013	-2.5 to 2.5	Pass	
1710.7				6	0	20	6.12	-0.552	-0.0003
	7.2	-0.266	-0.0002				-2.5 to 2.5	Pass	
	8.28	-0.862	-0.0005				-2.5 to 2.5	Pass	
	-30	7.2	-0.486			-0.0003	-2.5 to 2.5	Pass	
	-20	7.2	-0.794			-0.0005	-2.5 to 2.5	Pass	
	-10	7.2	0.188			0.0001	-2.5 to 2.5	Pass	
	0	7.2	1.015			0.0006	-2.5 to 2.5	Pass	
	10	7.2	-0.782			-0.0005	-2.5 to 2.5	Pass	
	30	7.2	-0.158			-0.0001	-2.5 to 2.5	Pass	
	40	7.2	0.142			0.0001	-2.5 to 2.5	Pass	
	50	7.2	-0.536			-0.0003	-2.5 to 2.5	Pass	
	1732.5	6	0			20	6.12	-0.645	-0.0004
7.2				0.880	0.0005		-2.5 to 2.5	Pass	
8.28				-0.632	-0.0004		-2.5 to 2.5	Pass	
-30				7.2	0.245	0.0001	-2.5 to 2.5	Pass	
-20				7.2	-0.211	-0.0001	-2.5 to 2.5	Pass	
-10				7.2	-0.169	-0.0001	-2.5 to 2.5	Pass	
0				7.2	-0.292	-0.0002	-2.5 to 2.5	Pass	
10				7.2	-0.040	0.0000	-2.5 to 2.5	Pass	
30				7.2	0.249	0.0001	-2.5 to 2.5	Pass	
40				7.2	-0.351	-0.0002	-2.5 to 2.5	Pass	
50				7.2	-0.730	-0.0004	-2.5 to 2.5	Pass	
1754.3				6	0	20	6.12	-2.099	-0.0012
	7.2	-2.204	-0.0013				-2.5 to 2.5	Pass	
	8.28	-2.107	-0.0012				-2.5 to 2.5	Pass	



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				-30	7.2	-1.518	-0.0009	-2.5 to 2.5	Pass
				-20	7.2	-1.182	-0.0007	-2.5 to 2.5	Pass
				-10	7.2	-1.237	-0.0007	-2.5 to 2.5	Pass
				0	7.2	-1.320	-0.0008	-2.5 to 2.5	Pass
				10	7.2	-1.294	-0.0007	-2.5 to 2.5	Pass
				30	7.2	-2.468	-0.0014	-2.5 to 2.5	Pass
				40	7.2	-1.908	-0.0011	-2.5 to 2.5	Pass
				50	7.2	0.033	0.0000	-2.5 to 2.5	Pass

2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1711.5	15	0	20	6.12	2.459	0.0014	-2.5 to 2.5	Pass	
					7.2	2.446	0.0014	-2.5 to 2.5	Pass	
					8.28	2.726	0.0016	-2.5 to 2.5	Pass	
				-30	7.2	2.065	0.0012	-2.5 to 2.5	Pass	
					-20	7.2	2.149	0.0013	-2.5 to 2.5	Pass
						-10	7.2	2.171	0.0013	-2.5 to 2.5
				0	7.2	2.510	0.0015	-2.5 to 2.5	Pass	
					10	7.2	3.317	0.0019	-2.5 to 2.5	Pass
				30	7.2	1.522	0.0009	-2.5 to 2.5	Pass	
					40	7.2	2.781	0.0016	-2.5 to 2.5	Pass
				50	7.2	2.455	0.0014	-2.5 to 2.5	Pass	
				1732.5	15	0	20	6.12	1.114	0.0006
	7.2	1.492	0.0009					-2.5 to 2.5	Pass	
	8.28	1.005	0.0006					-2.5 to 2.5	Pass	
	-30	7.2	2.817				0.0016	-2.5 to 2.5	Pass	
		-20	7.2				2.258	0.0013	-2.5 to 2.5	Pass
			-10				7.2	2.384	0.0014	-2.5 to 2.5
	0	7.2	2.127				0.0012	-2.5 to 2.5	Pass	
		10	7.2				1.962	0.0011	-2.5 to 2.5	Pass
	30	7.2	1.640				0.0009	-2.5 to 2.5	Pass	
		40	7.2				2.712	0.0016	-2.5 to 2.5	Pass
	50	7.2	2.118				0.0012	-2.5 to 2.5	Pass	
	1753.5	15	0				20	6.12	2.383	0.0014
				7.2	2.495	0.0014		-2.5 to 2.5	Pass	
8.28				2.431	0.0014	-2.5 to 2.5		Pass		
-30				7.2	2.881	0.0016	-2.5 to 2.5	Pass		
				-20	7.2	1.397	0.0008	-2.5 to 2.5	Pass	
					-10	7.2	2.338	0.0013	-2.5 to 2.5	Pass
0				7.2	2.162	0.0012	-2.5 to 2.5	Pass		
				10	7.2	1.618	0.0009	-2.5 to 2.5	Pass	
30				7.2	1.608	0.0009	-2.5 to 2.5	Pass		
				40	7.2	2.398	0.0014	-2.5 to 2.5	Pass	
50				7.2	1.624	0.0009	-2.5 to 2.5	Pass		

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16QAM	1711.5	15	0	20	6.12	2.156	0.0013	-2.5 to 2.5	Pass				
					7.2	2.396	0.0014	-2.5 to 2.5	Pass				
					8.28	3.039	0.0018	-2.5 to 2.5	Pass				
				-30	7.2	3.308	0.0019	-2.5 to 2.5	Pass				
					-20	7.2	2.617	0.0015	-2.5 to 2.5	Pass			
						-10	7.2	1.868	0.0011	-2.5 to 2.5	Pass		
				1732.5	15	0	20	7.2	2.564	0.0015	-2.5 to 2.5	Pass	
								0	7.2	1.643	0.0010	-2.5 to 2.5	Pass
								30	7.2	2.249	0.0013	-2.5 to 2.5	Pass
	40	7.2	1.667				0.0010	-2.5 to 2.5	Pass				
		50	7.2				1.630	0.0010	-2.5 to 2.5	Pass			
			6.12				1.194	0.0007	-2.5 to 2.5	Pass			
	1753.5	15	0				20	7.2	1.617	0.0009	-2.5 to 2.5	Pass	
								8.28	1.766	0.0010	-2.5 to 2.5	Pass	
				-30	7.2	2.283		0.0013	-2.5 to 2.5	Pass			
				-20	7.2	2.458	0.0014	-2.5 to 2.5	Pass				
					-10	7.2	1.383	0.0008	-2.5 to 2.5	Pass			
						0	7.2	2.177	0.0013	-2.5 to 2.5	Pass		
				64QAM	1711.5	15	0	20	7.2	3.121	0.0018	-2.5 to 2.5	Pass
									30	7.2	1.826	0.0011	-2.5 to 2.5
	40	7.2	1.026						0.0006	-2.5 to 2.5	Pass		
	50	7.2	1.557					0.0009	-2.5 to 2.5	Pass			
		20	6.12					2.591	0.0015	-2.5 to 2.5	Pass		
			7.2					2.555	0.0015	-2.5 to 2.5	Pass		
	8.28		2.853					0.0016	-2.5 to 2.5	Pass			
	1732.5	15	0					-30	7.2	1.639	0.0009	-2.5 to 2.5	Pass
				-20					7.2	2.652	0.0015	-2.5 to 2.5	Pass
-10					7.2	2.099	0.0012		-2.5 to 2.5	Pass			
0				7.2	2.305	0.0013	-2.5 to 2.5	Pass					
				10	7.2	2.163	0.0012	-2.5 to 2.5	Pass				
					30	7.2	1.369	0.0008	-2.5 to 2.5	Pass			
1732.5				15	0	40	7.2	2.503	0.0014	-2.5 to 2.5	Pass		
							50	7.2	0.817	0.0005	-2.5 to 2.5	Pass	
								20	6.12	1.965	0.0011	-2.5 to 2.5	Pass
	7.2	1.501	0.0009			-2.5 to 2.5	Pass						
	8.28	1.347	0.0008			-2.5 to 2.5	Pass						
	1732.5	15	0			-30	7.2	1.959	0.0011	-2.5 to 2.5	Pass		
-20				7.2	2.075		0.0012	-2.5 to 2.5	Pass				
				-10	7.2		2.221	0.0013	-2.5 to 2.5	Pass			
0				7.2	2.919	0.0017	-2.5 to 2.5	Pass					
				10	7.2	2.489	0.0015	-2.5 to 2.5	Pass				
					30	7.2	3.551	0.0021	-2.5 to 2.5	Pass			
1732.5	15	0	40	7.2	3.391	0.0020	-2.5 to 2.5	Pass					
				50	7.2	2.505	0.0015	-2.5 to 2.5	Pass				
					20	6.12	2.061	0.0012	-2.5 to 2.5	Pass			
			7.2	1.799		0.0010	-2.5 to 2.5	Pass					
			8.28	3.458		0.0020	-2.5 to 2.5	Pass					
			1732.5	15	0	-30	7.2	2.423	0.0014	-2.5 to 2.5	Pass		
-20	7.2	2.302					0.0013	-2.5 to 2.5	Pass				
-10	7.2	2.249				0.0013	-2.5 to 2.5	Pass					
1732.5	15	0	0	7.2	1.885	0.0011	-2.5 to 2.5	Pass					

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EMC Laboratory

	1753.5	15	0	10	7.2	3.572	0.0021	-2.5 to 2.5	Pass
				30	7.2	2.142	0.0012	-2.5 to 2.5	Pass
				40	7.2	1.580	0.0009	-2.5 to 2.5	Pass
				50	7.2	2.658	0.0015	-2.5 to 2.5	Pass
				20	6.12	2.256	0.0013	-2.5 to 2.5	Pass
					7.2	1.578	0.0009	-2.5 to 2.5	Pass
					8.28	1.355	0.0008	-2.5 to 2.5	Pass
				-30	7.2	1.674	0.0010	-2.5 to 2.5	Pass
				-20	7.2	1.110	0.0006	-2.5 to 2.5	Pass
				-10	7.2	1.650	0.0009	-2.5 to 2.5	Pass
				0	7.2	3.087	0.0018	-2.5 to 2.5	Pass
				10	7.2	1.597	0.0009	-2.5 to 2.5	Pass
				30	7.2	1.413	0.0008	-2.5 to 2.5	Pass
				40	7.2	2.672	0.0015	-2.5 to 2.5	Pass
				50	7.2	3.028	0.0017	-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	6.12	4.149	0.0024	-2.5 to 2.5	Pass
					7.2	4.070	0.0024	-2.5 to 2.5	Pass
					8.28	2.580	0.0015	-2.5 to 2.5	Pass
				-30	7.2	3.863	0.0023	-2.5 to 2.5	Pass
				-20	7.2	2.826	0.0017	-2.5 to 2.5	Pass
				-10	7.2	2.446	0.0014	-2.5 to 2.5	Pass
				0	7.2	2.261	0.0013	-2.5 to 2.5	Pass
				10	7.2	3.407	0.0020	-2.5 to 2.5	Pass
				30	7.2	3.424	0.0020	-2.5 to 2.5	Pass
				40	7.2	2.579	0.0015	-2.5 to 2.5	Pass
				50	7.2	2.675	0.0016	-2.5 to 2.5	Pass
				1732.5	25	0	20	6.12	1.465
	7.2	1.994	0.0012					-2.5 to 2.5	Pass
	8.28	1.003	0.0006					-2.5 to 2.5	Pass
	-30	7.2	0.816				0.0005	-2.5 to 2.5	Pass
	-20	7.2	1.734				0.0010	-2.5 to 2.5	Pass
	-10	7.2	2.443				0.0014	-2.5 to 2.5	Pass
	0	7.2	2.143				0.0012	-2.5 to 2.5	Pass
	10	7.2	0.751				0.0004	-2.5 to 2.5	Pass
	30	7.2	2.251				0.0013	-2.5 to 2.5	Pass
	40	7.2	1.158				0.0007	-2.5 to 2.5	Pass
	50	7.2	1.399				0.0008	-2.5 to 2.5	Pass
	1752.5	25	0				20	6.12	-1.848
				7.2	-1.576	-0.0009		-2.5 to 2.5	Pass
				8.28	-1.472	-0.0008		-2.5 to 2.5	Pass
				-30	7.2	-1.091	-0.0006	-2.5 to 2.5	Pass

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				-20	7.2	-2.163	-0.0012	-2.5 to 2.5	Pass
				-10	7.2	-0.426	-0.0002	-2.5 to 2.5	Pass
				0	7.2	-0.863	-0.0005	-2.5 to 2.5	Pass
				10	7.2	-2.440	-0.0014	-2.5 to 2.5	Pass
				30	7.2	-1.738	-0.0010	-2.5 to 2.5	Pass
				40	7.2	-0.518	-0.0003	-2.5 to 2.5	Pass
				50	7.2	-1.159	-0.0007	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	6.12	2.250	0.0013	-2.5 to 2.5	Pass
					7.2	3.349	0.0020	-2.5 to 2.5	Pass
					8.28	2.293	0.0013	-2.5 to 2.5	Pass
				-30	7.2	2.760	0.0016	-2.5 to 2.5	Pass
				-20	7.2	3.574	0.0021	-2.5 to 2.5	Pass
				-10	7.2	2.849	0.0017	-2.5 to 2.5	Pass
				0	7.2	2.349	0.0014	-2.5 to 2.5	Pass
				10	7.2	2.778	0.0016	-2.5 to 2.5	Pass
				30	7.2	2.547	0.0015	-2.5 to 2.5	Pass
				40	7.2	2.545	0.0015	-2.5 to 2.5	Pass
				50	7.2	2.223	0.0013	-2.5 to 2.5	Pass
				1732.5	25	0	20	6.12	0.885
	7.2	1.645	0.0009					-2.5 to 2.5	Pass
	8.28	2.272	0.0013					-2.5 to 2.5	Pass
	-30	7.2	1.947				0.0011	-2.5 to 2.5	Pass
	-20	7.2	1.005				0.0006	-2.5 to 2.5	Pass
	-10	7.2	0.691				0.0004	-2.5 to 2.5	Pass
	0	7.2	0.604				0.0003	-2.5 to 2.5	Pass
	10	7.2	-0.139				-0.0001	-2.5 to 2.5	Pass
	30	7.2	1.081				0.0006	-2.5 to 2.5	Pass
	40	7.2	1.483				0.0009	-2.5 to 2.5	Pass
	50	7.2	1.065				0.0006	-2.5 to 2.5	Pass
	1752.5	25	0				20	6.12	-2.232
				7.2	-1.997	-0.0011		-2.5 to 2.5	Pass
8.28				-1.375	-0.0008	-2.5 to 2.5		Pass	
-30				7.2	-2.506	-0.0014	-2.5 to 2.5	Pass	
-20				7.2	-1.232	-0.0007	-2.5 to 2.5	Pass	
-10				7.2	-0.568	-0.0003	-2.5 to 2.5	Pass	
0				7.2	-1.711	-0.0010	-2.5 to 2.5	Pass	
10				7.2	-1.374	-0.0008	-2.5 to 2.5	Pass	
30				7.2	-1.264	-0.0007	-2.5 to 2.5	Pass	
40				7.2	-1.171	-0.0007	-2.5 to 2.5	Pass	
50				7.2	-0.742	-0.0004	-2.5 to 2.5	Pass	
64QAM				1712.5	25	0	20	6.12	3.911
	7.2	2.446	0.0014					-2.5 to 2.5	Pass
	8.28	2.502	0.0015					-2.5 to 2.5	Pass
	-30	7.2	2.517				0.0015	-2.5 to 2.5	Pass
	-20	7.2	3.277				0.0019	-2.5 to 2.5	Pass
	-10	7.2	3.316				0.0019	-2.5 to 2.5	Pass
	0	7.2	1.892				0.0011	-2.5 to 2.5	Pass
	10	7.2	2.114				0.0012	-2.5 to 2.5	Pass
	30	7.2	2.110				0.0012	-2.5 to 2.5	Pass
	40	7.2	2.586				0.0015	-2.5 to 2.5	Pass
	50	7.2	1.871				0.0011	-2.5 to 2.5	Pass



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	1732.5	25	0	20	6.12	1.505	0.0009	-2.5 to 2.5	Pass	
					7.2	1.657	0.0010	-2.5 to 2.5	Pass	
					8.28	-0.035	0.0000	-2.5 to 2.5	Pass	
				-30	7.2	0.730	0.0004	-2.5 to 2.5	Pass	
					-20	7.2	1.042	0.0006	-2.5 to 2.5	Pass
						-10	7.2	0.080	0.0000	-2.5 to 2.5
				0	7.2	2.612	0.0015	-2.5 to 2.5	Pass	
					10	7.2	0.631	0.0004	-2.5 to 2.5	Pass
					30	7.2	-0.170	-0.0001	-2.5 to 2.5	Pass
	40	7.2	-0.329		-0.0002	-2.5 to 2.5	Pass			
	50	7.2	1.999		0.0012	-2.5 to 2.5	Pass			
	1752.5	25	0		20	6.12	-1.458	-0.0008	-2.5 to 2.5	Pass
				7.2		-1.813	-0.0010	-2.5 to 2.5	Pass	
				8.28		-2.025	-0.0012	-2.5 to 2.5	Pass	
				-30	7.2	-1.353	-0.0008	-2.5 to 2.5	Pass	
					-20	7.2	-1.780	-0.0010	-2.5 to 2.5	Pass
						-10	7.2	-2.053	-0.0012	-2.5 to 2.5
				0	7.2	-0.404	-0.0002	-2.5 to 2.5	Pass	
10					7.2	-0.963	-0.0005	-2.5 to 2.5	Pass	
30					7.2	-2.028	-0.0012	-2.5 to 2.5	Pass	
40	7.2	-1.307	-0.0007		-2.5 to 2.5	Pass				
50	7.2	-3.741	-0.0021		-2.5 to 2.5	Pass				

2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1715	50	0	20	6.12	-3.166	-0.0018	-2.5 to 2.5	Pass	
					7.2	-2.429	-0.0014	-2.5 to 2.5	Pass	
					8.28	-3.381	-0.0020	-2.5 to 2.5	Pass	
				-30	7.2	-2.271	-0.0013	-2.5 to 2.5	Pass	
					-20	7.2	-3.169	-0.0018	-2.5 to 2.5	Pass
						-10	7.2	-1.892	-0.0011	-2.5 to 2.5
				0	7.2	-2.424	-0.0014	-2.5 to 2.5	Pass	
					10	7.2	-1.617	-0.0009	-2.5 to 2.5	Pass
					30	7.2	-2.069	-0.0012	-2.5 to 2.5	Pass
	40	7.2	-1.455		-0.0008	-2.5 to 2.5	Pass			
	50	7.2	-3.867		-0.0023	-2.5 to 2.5	Pass			
	1732.5	50	0		20	6.12	0.656	0.0004	-2.5 to 2.5	Pass
				7.2		0.094	0.0001	-2.5 to 2.5	Pass	
				8.28		1.236	0.0007	-2.5 to 2.5	Pass	
				-30	7.2	0.127	0.0001	-2.5 to 2.5	Pass	
					-20	7.2	1.552	0.0009	-2.5 to 2.5	Pass
						-10	7.2	1.200	0.0007	-2.5 to 2.5
				0	7.2	1.118	0.0006	-2.5 to 2.5	Pass	
10					7.2	0.809	0.0005	-2.5 to 2.5	Pass	



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				30	7.2	0.977	0.0006	-2.5 to 2.5	Pass
				40	7.2	0.384	0.0002	-2.5 to 2.5	Pass
				50	7.2	2.192	0.0013	-2.5 to 2.5	Pass
				20	6.12	2.652	0.0015	-2.5 to 2.5	Pass
					7.2	2.488	0.0014	-2.5 to 2.5	Pass
					8.28	2.306	0.0013	-2.5 to 2.5	Pass
				-30	7.2	1.020	0.0006	-2.5 to 2.5	Pass
				-20	7.2	2.559	0.0015	-2.5 to 2.5	Pass
				-10	7.2	1.457	0.0008	-2.5 to 2.5	Pass
				0	7.2	1.555	0.0009	-2.5 to 2.5	Pass
				10	7.2	2.373	0.0014	-2.5 to 2.5	Pass
				30	7.2	1.291	0.0007	-2.5 to 2.5	Pass
				40	7.2	2.551	0.0015	-2.5 to 2.5	Pass
50	7.2	2.314	0.0013	-2.5 to 2.5	Pass				
16QAM	1715	50	0	20	6.12	-3.525	-0.0021	-2.5 to 2.5	Pass
					7.2	-1.004	-0.0006	-2.5 to 2.5	Pass
					8.28	-2.991	-0.0017	-2.5 to 2.5	Pass
				-30	7.2	-2.445	-0.0014	-2.5 to 2.5	Pass
				-20	7.2	-2.578	-0.0015	-2.5 to 2.5	Pass
				-10	7.2	-2.301	-0.0013	-2.5 to 2.5	Pass
				0	7.2	-0.995	-0.0006	-2.5 to 2.5	Pass
				10	7.2	-1.960	-0.0011	-2.5 to 2.5	Pass
				30	7.2	-3.108	-0.0018	-2.5 to 2.5	Pass
	40	7.2	-2.262	-0.0013	-2.5 to 2.5	Pass			
	50	7.2	-2.225	-0.0013	-2.5 to 2.5	Pass			
	1732.5	50	0	20	6.12	1.133	0.0007	-2.5 to 2.5	Pass
					7.2	1.700	0.0010	-2.5 to 2.5	Pass
					8.28	0.567	0.0003	-2.5 to 2.5	Pass
				-30	7.2	0.726	0.0004	-2.5 to 2.5	Pass
				-20	7.2	0.049	0.0000	-2.5 to 2.5	Pass
				-10	7.2	0.717	0.0004	-2.5 to 2.5	Pass
				0	7.2	-0.093	-0.0001	-2.5 to 2.5	Pass
10				7.2	0.813	0.0005	-2.5 to 2.5	Pass	
30				7.2	1.914	0.0011	-2.5 to 2.5	Pass	
40	7.2	1.946	0.0011	-2.5 to 2.5	Pass				
50	7.2	-0.737	-0.0004	-2.5 to 2.5	Pass				
1750	50	0	20	6.12	1.753	0.0010	-2.5 to 2.5	Pass	
				7.2	1.196	0.0007	-2.5 to 2.5	Pass	
				8.28	3.628	0.0021	-2.5 to 2.5	Pass	
			-30	7.2	2.258	0.0013	-2.5 to 2.5	Pass	
			-20	7.2	2.686	0.0015	-2.5 to 2.5	Pass	
			-10	7.2	0.679	0.0004	-2.5 to 2.5	Pass	
			0	7.2	0.977	0.0006	-2.5 to 2.5	Pass	
			10	7.2	2.359	0.0013	-2.5 to 2.5	Pass	
			30	7.2	3.256	0.0019	-2.5 to 2.5	Pass	
40	7.2	2.938	0.0017	-2.5 to 2.5	Pass				
50	7.2	1.533	0.0009	-2.5 to 2.5	Pass				
64QAM	1715	50	0	20	6.12	-2.763	-0.0016	-2.5 to 2.5	Pass
					7.2	-2.071	-0.0012	-2.5 to 2.5	Pass
					8.28	-2.028	-0.0012	-2.5 to 2.5	Pass
				-30	7.2	-2.606	-0.0015	-2.5 to 2.5	Pass

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				-20	7.2	-3.171	-0.0018	-2.5 to 2.5	Pass			
				-10	7.2	-2.391	-0.0014	-2.5 to 2.5	Pass			
				0	7.2	-1.534	-0.0009	-2.5 to 2.5	Pass			
				10	7.2	-2.995	-0.0017	-2.5 to 2.5	Pass			
				30	7.2	-2.213	-0.0013	-2.5 to 2.5	Pass			
				40	7.2	-1.780	-0.0010	-2.5 to 2.5	Pass			
				50	7.2	-2.571	-0.0015	-2.5 to 2.5	Pass			
	1732.5	50	0	20	6.12	1.258	0.0007	-2.5 to 2.5	Pass			
					7.2	0.253	0.0001	-2.5 to 2.5	Pass			
					8.28	0.502	0.0003	-2.5 to 2.5	Pass			
				-30	7.2	1.473	0.0009	-2.5 to 2.5	Pass			
				-20	7.2	1.236	0.0007	-2.5 to 2.5	Pass			
				-10	7.2	0.165	0.0001	-2.5 to 2.5	Pass			
				0	7.2	1.657	0.0010	-2.5 to 2.5	Pass			
				10	7.2	0.573	0.0003	-2.5 to 2.5	Pass			
				30	7.2	0.882	0.0005	-2.5 to 2.5	Pass			
				40	7.2	0.523	0.0003	-2.5 to 2.5	Pass			
				50	7.2	0.671	0.0004	-2.5 to 2.5	Pass			
				1750	50	0	20	6.12	3.480	0.0020	-2.5 to 2.5	Pass
								7.2	3.299	0.0019	-2.5 to 2.5	Pass
	8.28	2.198	0.0013					-2.5 to 2.5	Pass			
	-30	7.2	1.727				0.0010	-2.5 to 2.5	Pass			
	-20	7.2	3.021				0.0017	-2.5 to 2.5	Pass			
	-10	7.2	1.587				0.0009	-2.5 to 2.5	Pass			
0	7.2	1.108	0.0006				-2.5 to 2.5	Pass				
10	7.2	2.411	0.0014				-2.5 to 2.5	Pass				
30	7.2	1.604	0.0009				-2.5 to 2.5	Pass				
40	7.2	3.033	0.0017				-2.5 to 2.5	Pass				
50	7.2	2.536	0.0014	-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	6.12	0.997	0.0006	-2.5 to 2.5	Pass			
					7.2	1.228	0.0007	-2.5 to 2.5	Pass			
					8.28	1.227	0.0007	-2.5 to 2.5	Pass			
				-30	7.2	1.387	0.0008	-2.5 to 2.5	Pass			
				-20	7.2	2.338	0.0014	-2.5 to 2.5	Pass			
				-10	7.2	2.389	0.0014	-2.5 to 2.5	Pass			
				0	7.2	1.671	0.0010	-2.5 to 2.5	Pass			
				10	7.2	2.060	0.0012	-2.5 to 2.5	Pass			
				30	7.2	1.345	0.0008	-2.5 to 2.5	Pass			
				40	7.2	1.743	0.0010	-2.5 to 2.5	Pass			
				50	7.2	1.968	0.0011	-2.5 to 2.5	Pass			
				1732.5	75	0	20	6.12	1.842	0.0011	-2.5 to 2.5	Pass



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					7.2	1.073	0.0006	-2.5 to 2.5	Pass
					8.28	1.415	0.0008	-2.5 to 2.5	Pass
				-30	7.2	1.203	0.0007	-2.5 to 2.5	Pass
				-20	7.2	1.574	0.0009	-2.5 to 2.5	Pass
				-10	7.2	1.273	0.0007	-2.5 to 2.5	Pass
				0	7.2	2.366	0.0014	-2.5 to 2.5	Pass
				10	7.2	1.057	0.0006	-2.5 to 2.5	Pass
				30	7.2	1.121	0.0006	-2.5 to 2.5	Pass
				40	7.2	2.380	0.0014	-2.5 to 2.5	Pass
	50	7.2	1.684	0.0010	-2.5 to 2.5	Pass			
	1747.5	75	0	20	6.12	1.027	0.0006	-2.5 to 2.5	Pass
					7.2	1.476	0.0008	-2.5 to 2.5	Pass
					8.28	1.737	0.0010	-2.5 to 2.5	Pass
				-30	7.2	0.408	0.0002	-2.5 to 2.5	Pass
				-20	7.2	2.346	0.0013	-2.5 to 2.5	Pass
				-10	7.2	1.805	0.0010	-2.5 to 2.5	Pass
				0	7.2	1.607	0.0009	-2.5 to 2.5	Pass
				10	7.2	2.501	0.0014	-2.5 to 2.5	Pass
30				7.2	2.388	0.0014	-2.5 to 2.5	Pass	
40	7.2	1.318	0.0008	-2.5 to 2.5	Pass				
50	7.2	2.387	0.0014	-2.5 to 2.5	Pass				
16QAM	1717.5	75	0	20	6.12	1.346	0.0008	-2.5 to 2.5	Pass
					7.2	1.696	0.0010	-2.5 to 2.5	Pass
					8.28	1.003	0.0006	-2.5 to 2.5	Pass
				-30	7.2	1.355	0.0008	-2.5 to 2.5	Pass
				-20	7.2	0.763	0.0004	-2.5 to 2.5	Pass
				-10	7.2	0.497	0.0003	-2.5 to 2.5	Pass
				0	7.2	1.533	0.0009	-2.5 to 2.5	Pass
				10	7.2	1.121	0.0007	-2.5 to 2.5	Pass
				30	7.2	1.505	0.0009	-2.5 to 2.5	Pass
	40	7.2	1.610	0.0009	-2.5 to 2.5	Pass			
	50	7.2	2.603	0.0015	-2.5 to 2.5	Pass			
	1732.5	75	0	20	6.12	1.403	0.0008	-2.5 to 2.5	Pass
					7.2	1.262	0.0007	-2.5 to 2.5	Pass
					8.28	0.662	0.0004	-2.5 to 2.5	Pass
				-30	7.2	1.127	0.0007	-2.5 to 2.5	Pass
				-20	7.2	1.752	0.0010	-2.5 to 2.5	Pass
				-10	7.2	1.668	0.0010	-2.5 to 2.5	Pass
				0	7.2	2.340	0.0014	-2.5 to 2.5	Pass
10				7.2	0.720	0.0004	-2.5 to 2.5	Pass	
30				7.2	2.229	0.0013	-2.5 to 2.5	Pass	
40	7.2	3.331	0.0019	-2.5 to 2.5	Pass				
50	7.2	1.364	0.0008	-2.5 to 2.5	Pass				
1747.5	75	0	20	6.12	1.419	0.0008	-2.5 to 2.5	Pass	
				7.2	1.722	0.0010	-2.5 to 2.5	Pass	
				8.28	1.969	0.0011	-2.5 to 2.5	Pass	
			-30	7.2	1.602	0.0009	-2.5 to 2.5	Pass	
			-20	7.2	1.575	0.0009	-2.5 to 2.5	Pass	
			-10	7.2	2.346	0.0013	-2.5 to 2.5	Pass	
			0	7.2	1.956	0.0011	-2.5 to 2.5	Pass	
10	7.2	2.194	0.0013	-2.5 to 2.5	Pass				



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64QAM	1717.5	75	0	30	7.2	0.321	0.0002	-2.5 to 2.5	Pass
				40	7.2	1.905	0.0011	-2.5 to 2.5	Pass
				50	7.2	1.336	0.0008	-2.5 to 2.5	Pass
				20	6.12	0.409	0.0002	-2.5 to 2.5	Pass
					7.2	2.151	0.0013	-2.5 to 2.5	Pass
					8.28	2.145	0.0012	-2.5 to 2.5	Pass
				-30	7.2	1.431	0.0008	-2.5 to 2.5	Pass
				-20	7.2	-0.032	0.0000	-2.5 to 2.5	Pass
				-10	7.2	0.175	0.0001	-2.5 to 2.5	Pass
				0	7.2	-0.199	-0.0001	-2.5 to 2.5	Pass
	10	7.2	1.875	0.0011	-2.5 to 2.5	Pass			
	30	7.2	2.597	0.0015	-2.5 to 2.5	Pass			
	40	7.2	0.365	0.0002	-2.5 to 2.5	Pass			
	50	7.2	2.061	0.0012	-2.5 to 2.5	Pass			
	1732.5	75	0	20	6.12	-0.494	-0.0003	-2.5 to 2.5	Pass
					7.2	2.617	0.0015	-2.5 to 2.5	Pass
					8.28	0.269	0.0002	-2.5 to 2.5	Pass
				-30	7.2	1.873	0.0011	-2.5 to 2.5	Pass
				-20	7.2	1.029	0.0006	-2.5 to 2.5	Pass
				-10	7.2	0.891	0.0005	-2.5 to 2.5	Pass
				0	7.2	1.646	0.0010	-2.5 to 2.5	Pass
				10	7.2	2.578	0.0015	-2.5 to 2.5	Pass
				30	7.2	0.937	0.0005	-2.5 to 2.5	Pass
				40	7.2	1.700	0.0010	-2.5 to 2.5	Pass
	50	7.2	2.096	0.0012	-2.5 to 2.5	Pass			
	1747.5	75	0	20	6.12	0.958	0.0005	-2.5 to 2.5	Pass
					7.2	1.879	0.0011	-2.5 to 2.5	Pass
					8.28	0.996	0.0006	-2.5 to 2.5	Pass
				-30	7.2	1.369	0.0008	-2.5 to 2.5	Pass
				-20	7.2	-0.339	-0.0002	-2.5 to 2.5	Pass
-10				7.2	1.660	0.0009	-2.5 to 2.5	Pass	
0				7.2	1.281	0.0007	-2.5 to 2.5	Pass	
10				7.2	1.984	0.0011	-2.5 to 2.5	Pass	
30				7.2	2.369	0.0014	-2.5 to 2.5	Pass	
40				7.2	-0.058	0.0000	-2.5 to 2.5	Pass	
50	7.2	0.718	0.0004	-2.5 to 2.5	Pass				

2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1720	100	0	20	6.12	1.938	0.0011	-2.5 to 2.5	Pass	
					7.2	2.350	0.0014	-2.5 to 2.5	Pass	
					8.28	1.840	0.0011	-2.5 to 2.5	Pass	
					-30	7.2	2.201	0.0013	-2.5 to 2.5	Pass
					-20	7.2	1.411	0.0008	-2.5 to 2.5	Pass



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16QAM				-10	7.2	2.898	0.0017	-2.5 to 2.5	Pass		
				0	7.2	3.209	0.0019	-2.5 to 2.5	Pass		
				10	7.2	1.501	0.0009	-2.5 to 2.5	Pass		
				30	7.2	2.378	0.0014	-2.5 to 2.5	Pass		
				40	7.2	2.048	0.0012	-2.5 to 2.5	Pass		
				50	7.2	2.888	0.0017	-2.5 to 2.5	Pass		
	1732.5	100	0	20	6.12	2.524	0.0015	-2.5 to 2.5	Pass		
					7.2	1.372	0.0008	-2.5 to 2.5	Pass		
					8.28	1.707	0.0010	-2.5 to 2.5	Pass		
				-30	7.2	0.971	0.0006	-2.5 to 2.5	Pass		
				-20	7.2	0.431	0.0002	-2.5 to 2.5	Pass		
				-10	7.2	0.348	0.0002	-2.5 to 2.5	Pass		
				0	7.2	1.535	0.0009	-2.5 to 2.5	Pass		
				10	7.2	1.906	0.0011	-2.5 to 2.5	Pass		
				30	7.2	2.095	0.0012	-2.5 to 2.5	Pass		
				40	7.2	1.998	0.0012	-2.5 to 2.5	Pass		
				50	7.2	1.637	0.0009	-2.5 to 2.5	Pass		
				1745	100	0	20	6.12	-0.761	-0.0004	-2.5 to 2.5
	7.2	-1.867	-0.0011					-2.5 to 2.5	Pass		
	8.28	-1.508	-0.0009					-2.5 to 2.5	Pass		
	-30	7.2	-1.825				-0.0010	-2.5 to 2.5	Pass		
	-20	7.2	-1.637				-0.0009	-2.5 to 2.5	Pass		
	-10	7.2	-2.606				-0.0015	-2.5 to 2.5	Pass		
	0	7.2	-2.008				-0.0012	-2.5 to 2.5	Pass		
	10	7.2	-0.611				-0.0004	-2.5 to 2.5	Pass		
	30	7.2	-0.626				-0.0004	-2.5 to 2.5	Pass		
	40	7.2	-1.275				-0.0007	-2.5 to 2.5	Pass		
	50	7.2	-1.269	-0.0007	-2.5 to 2.5	Pass					
	1720	100	0	20	6.12	3.184	0.0019	-2.5 to 2.5	Pass		
					7.2	2.843	0.0017	-2.5 to 2.5	Pass		
					8.28	3.017	0.0018	-2.5 to 2.5	Pass		
				-30	7.2	1.950	0.0011	-2.5 to 2.5	Pass		
				-20	7.2	1.658	0.0010	-2.5 to 2.5	Pass		
-10				7.2	2.785	0.0016	-2.5 to 2.5	Pass			
0				7.2	1.264	0.0007	-2.5 to 2.5	Pass			
10				7.2	1.699	0.0010	-2.5 to 2.5	Pass			
30				7.2	2.394	0.0014	-2.5 to 2.5	Pass			
40				7.2	2.421	0.0014	-2.5 to 2.5	Pass			
50				7.2	1.007	0.0006	-2.5 to 2.5	Pass			
1732.5				100	0	20	6.12	3.269	0.0019	-2.5 to 2.5	Pass
							7.2	2.548	0.0015	-2.5 to 2.5	Pass
							8.28	1.242	0.0007	-2.5 to 2.5	Pass
						-30	7.2	0.777	0.0004	-2.5 to 2.5	Pass
	-20	7.2	0.436			0.0003	-2.5 to 2.5	Pass			
	-10	7.2	0.987			0.0006	-2.5 to 2.5	Pass			
	0	7.2	1.218			0.0007	-2.5 to 2.5	Pass			
	10	7.2	1.556			0.0009	-2.5 to 2.5	Pass			
	30	7.2	1.140			0.0007	-2.5 to 2.5	Pass			
	40	7.2	2.536			0.0015	-2.5 to 2.5	Pass			
	50	7.2	2.170			0.0013	-2.5 to 2.5	Pass			
	1745	100	0			20	6.12	-1.358	-0.0008	-2.5 to 2.5	Pass



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					7.2	-0.777	-0.0004	-2.5 to 2.5	Pass
					8.28	-1.314	-0.0008	-2.5 to 2.5	Pass
				-30	7.2	-1.924	-0.0011	-2.5 to 2.5	Pass
				-20	7.2	-0.990	-0.0006	-2.5 to 2.5	Pass
				-10	7.2	-1.951	-0.0011	-2.5 to 2.5	Pass
				0	7.2	-1.941	-0.0011	-2.5 to 2.5	Pass
				10	7.2	-1.628	-0.0009	-2.5 to 2.5	Pass
				30	7.2	-0.956	-0.0005	-2.5 to 2.5	Pass
				40	7.2	-1.848	-0.0011	-2.5 to 2.5	Pass
				50	7.2	-2.367	-0.0014	-2.5 to 2.5	Pass
64QAM	1720	100	0	20	6.12	1.660	0.0010	-2.5 to 2.5	Pass
					7.2	2.641	0.0015	-2.5 to 2.5	Pass
					8.28	3.409	0.0020	-2.5 to 2.5	Pass
				-30	7.2	1.137	0.0007	-2.5 to 2.5	Pass
				-20	7.2	2.106	0.0012	-2.5 to 2.5	Pass
				-10	7.2	3.148	0.0018	-2.5 to 2.5	Pass
				0	7.2	2.790	0.0016	-2.5 to 2.5	Pass
				10	7.2	2.027	0.0012	-2.5 to 2.5	Pass
				30	7.2	2.468	0.0014	-2.5 to 2.5	Pass
				40	7.2	1.503	0.0009	-2.5 to 2.5	Pass
	50	7.2	2.871	0.0017	-2.5 to 2.5	Pass			
	1732.5	100	0	20	6.12	1.592	0.0009	-2.5 to 2.5	Pass
					7.2	0.004	0.0000	-2.5 to 2.5	Pass
					8.28	2.171	0.0013	-2.5 to 2.5	Pass
				-30	7.2	1.253	0.0007	-2.5 to 2.5	Pass
				-20	7.2	-0.289	-0.0002	-2.5 to 2.5	Pass
				-10	7.2	1.260	0.0007	-2.5 to 2.5	Pass
				0	7.2	0.496	0.0003	-2.5 to 2.5	Pass
				10	7.2	1.459	0.0008	-2.5 to 2.5	Pass
				30	7.2	0.402	0.0002	-2.5 to 2.5	Pass
				40	7.2	1.726	0.0010	-2.5 to 2.5	Pass
	50	7.2	0.438	0.0003	-2.5 to 2.5	Pass			
	1745	100	0	20	6.12	-2.344	-0.0013	-2.5 to 2.5	Pass
					7.2	-2.671	-0.0015	-2.5 to 2.5	Pass
					8.28	-2.628	-0.0015	-2.5 to 2.5	Pass
				-30	7.2	-1.979	-0.0011	-2.5 to 2.5	Pass
				-20	7.2	-2.592	-0.0015	-2.5 to 2.5	Pass
				-10	7.2	-2.053	-0.0012	-2.5 to 2.5	Pass
				0	7.2	-2.551	-0.0015	-2.5 to 2.5	Pass
				10	7.2	-1.301	-0.0007	-2.5 to 2.5	Pass
30				7.2	-1.803	-0.0010	-2.5 to 2.5	Pass	
40				7.2	-1.808	-0.0010	-2.5 to 2.5	Pass	
50	7.2	-0.944	-0.0005	-2.5 to 2.5	Pass				



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3. Modulation Characteristics

3.1 B4_1.4MHz

3.1.1 Test Result

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



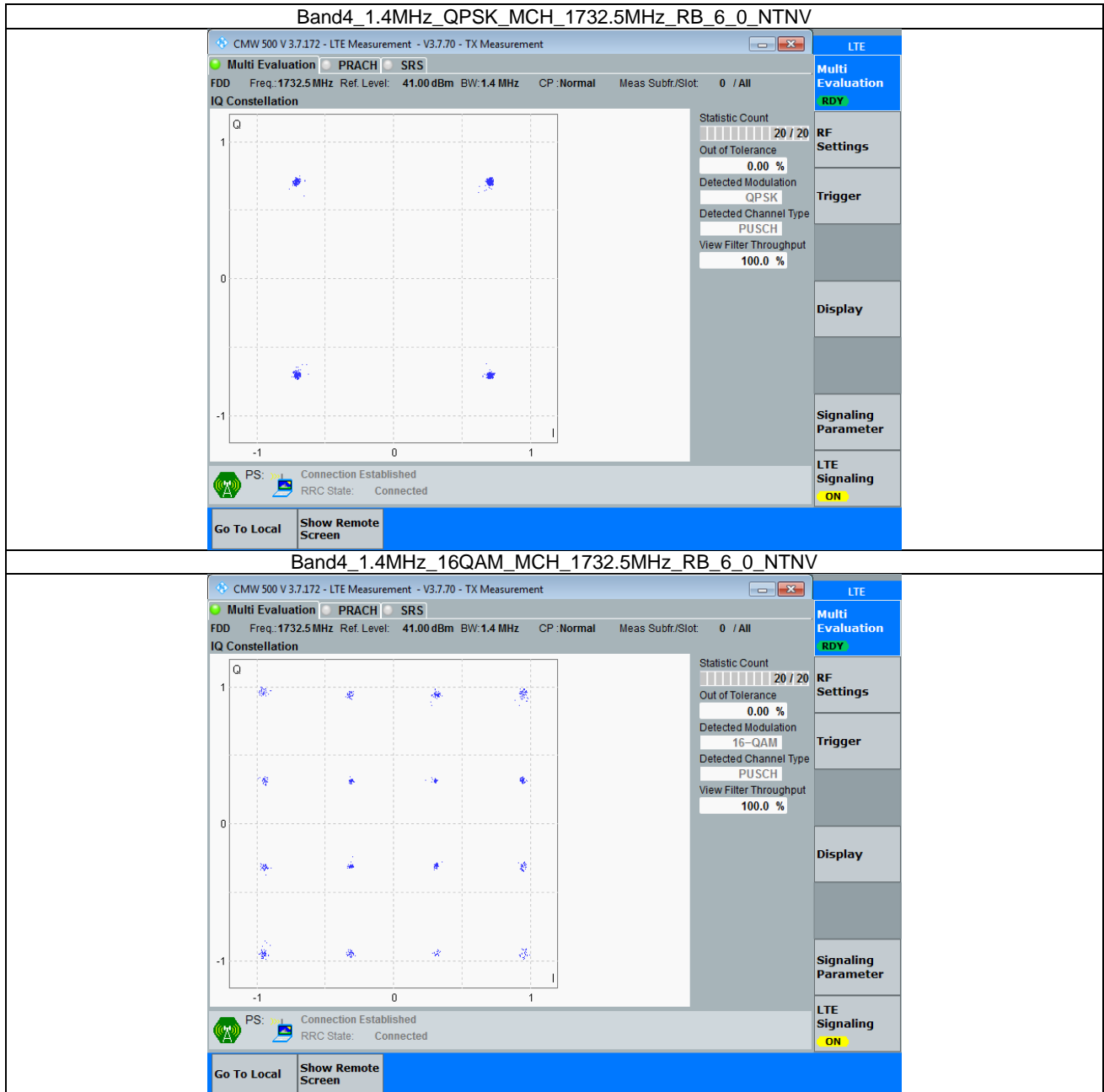
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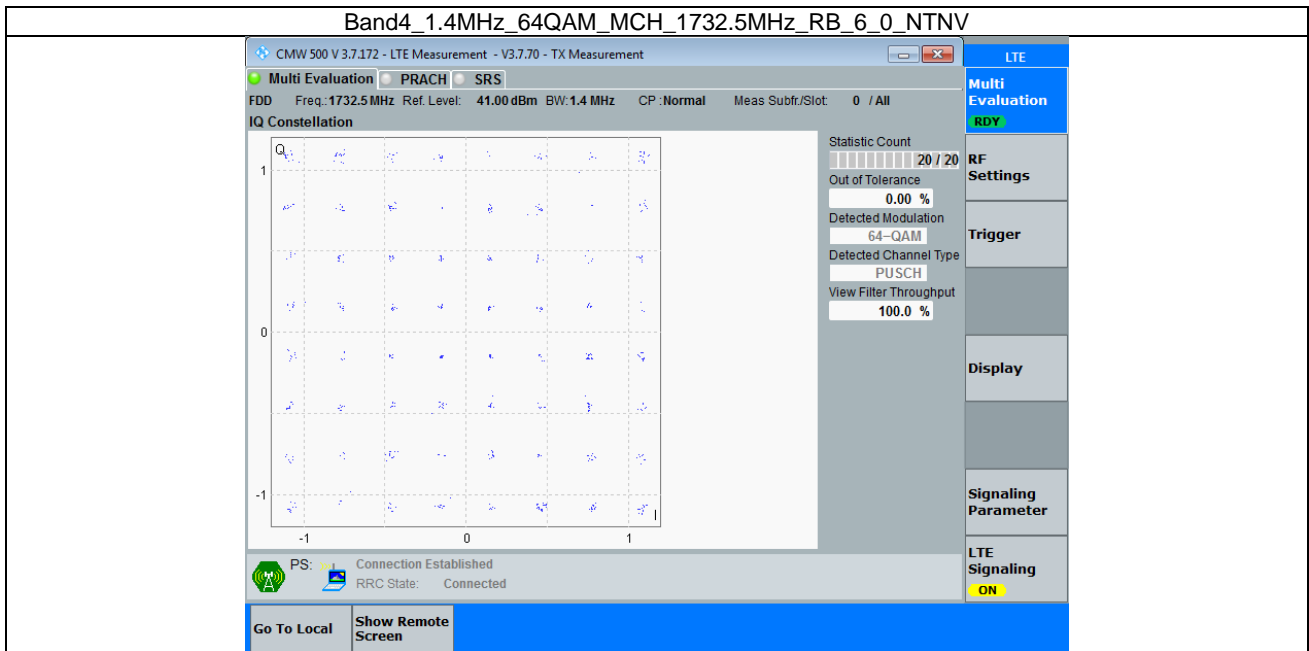
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3.1.2 Test Graph



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3.2 B4_3MHz

3.2.1 Test Result

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



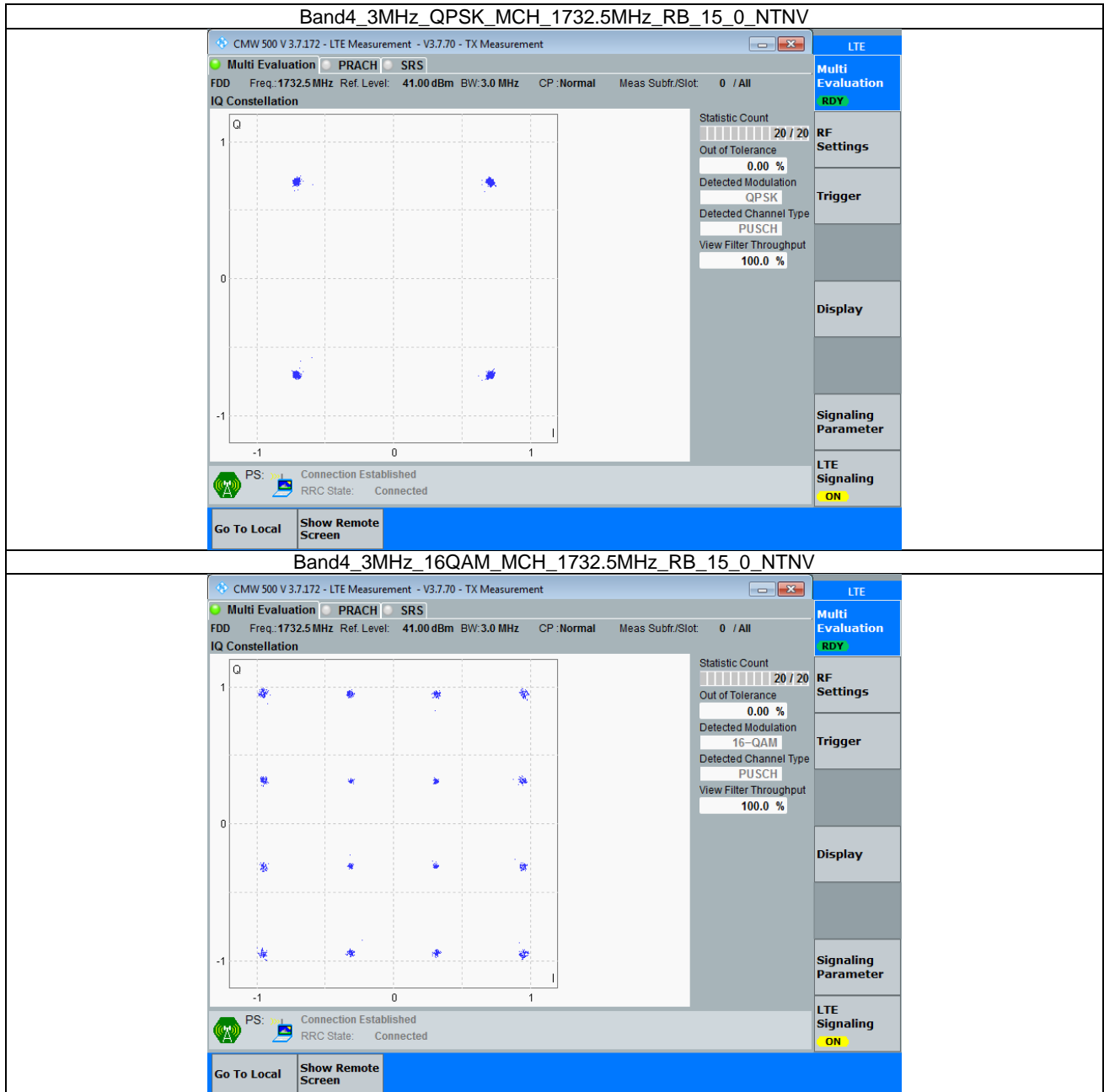
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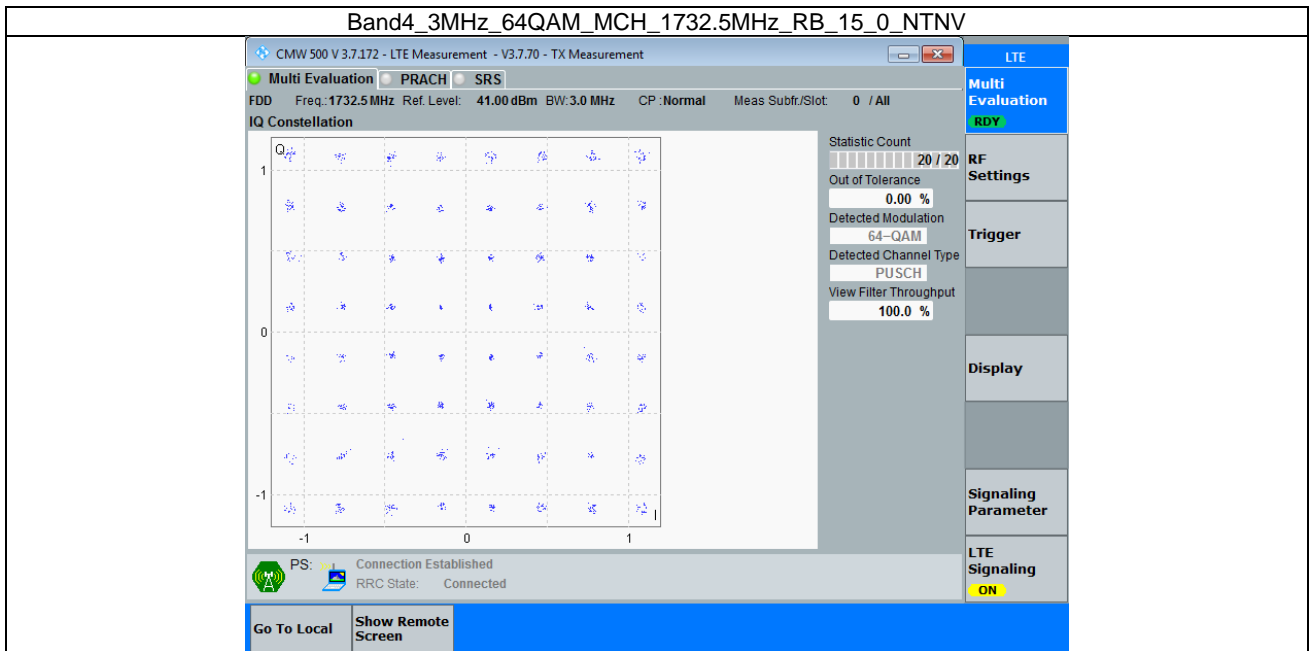
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3.2.2 Test Graph



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3.3 B4_5MHz

3.3.1 Test Result

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



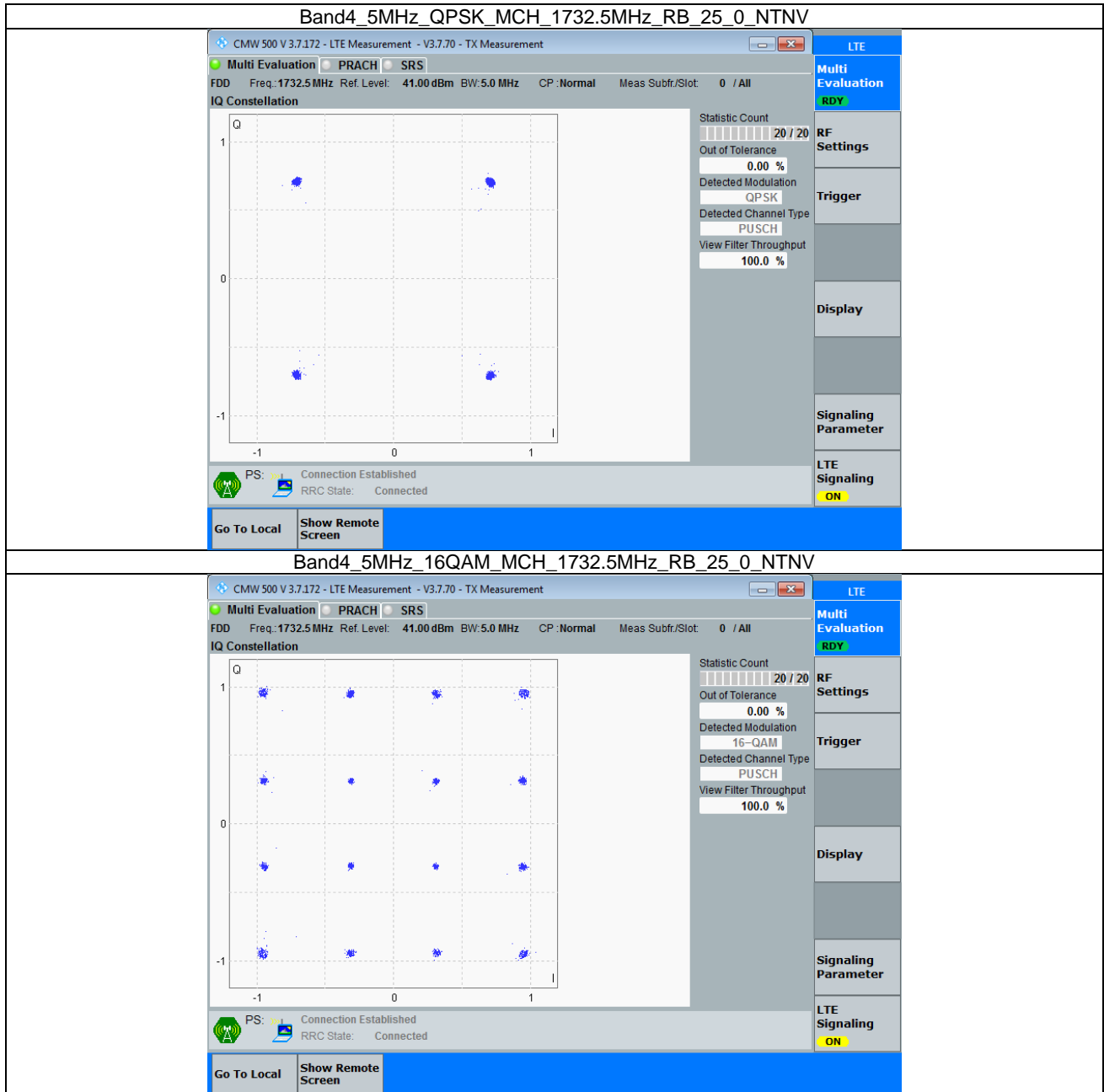
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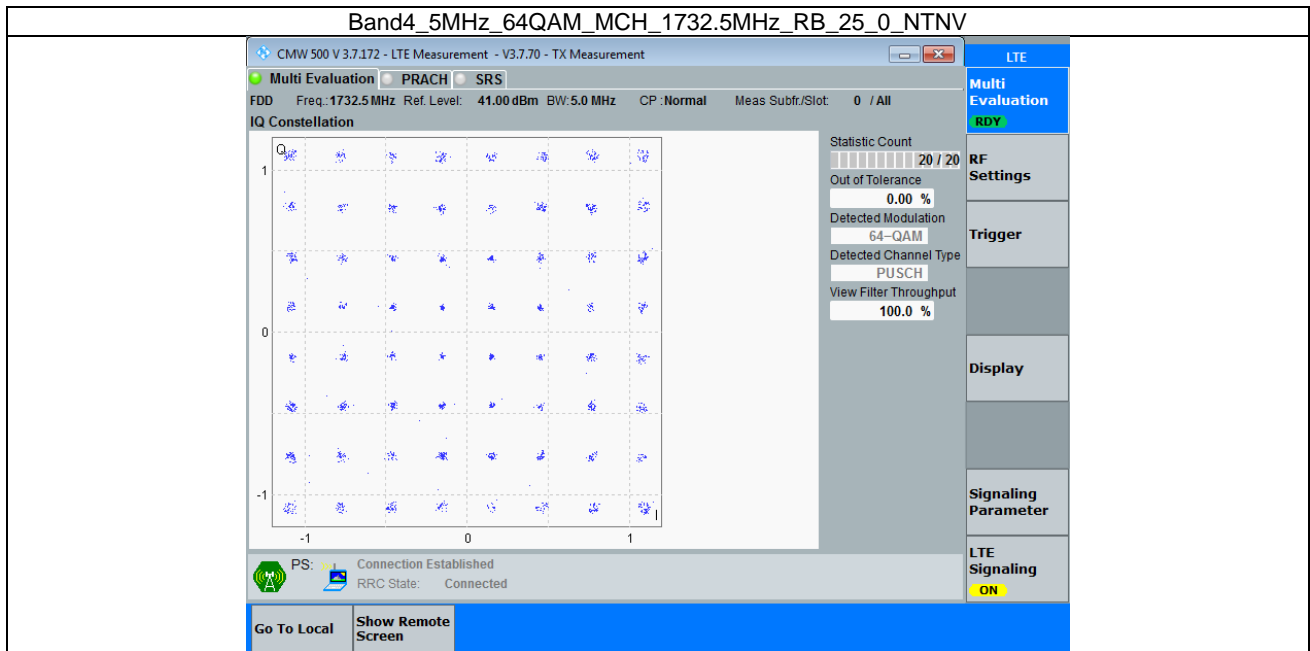
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3.3.2 Test Graph



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3.4 B4_10MHz

3.4.1 Test Result

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



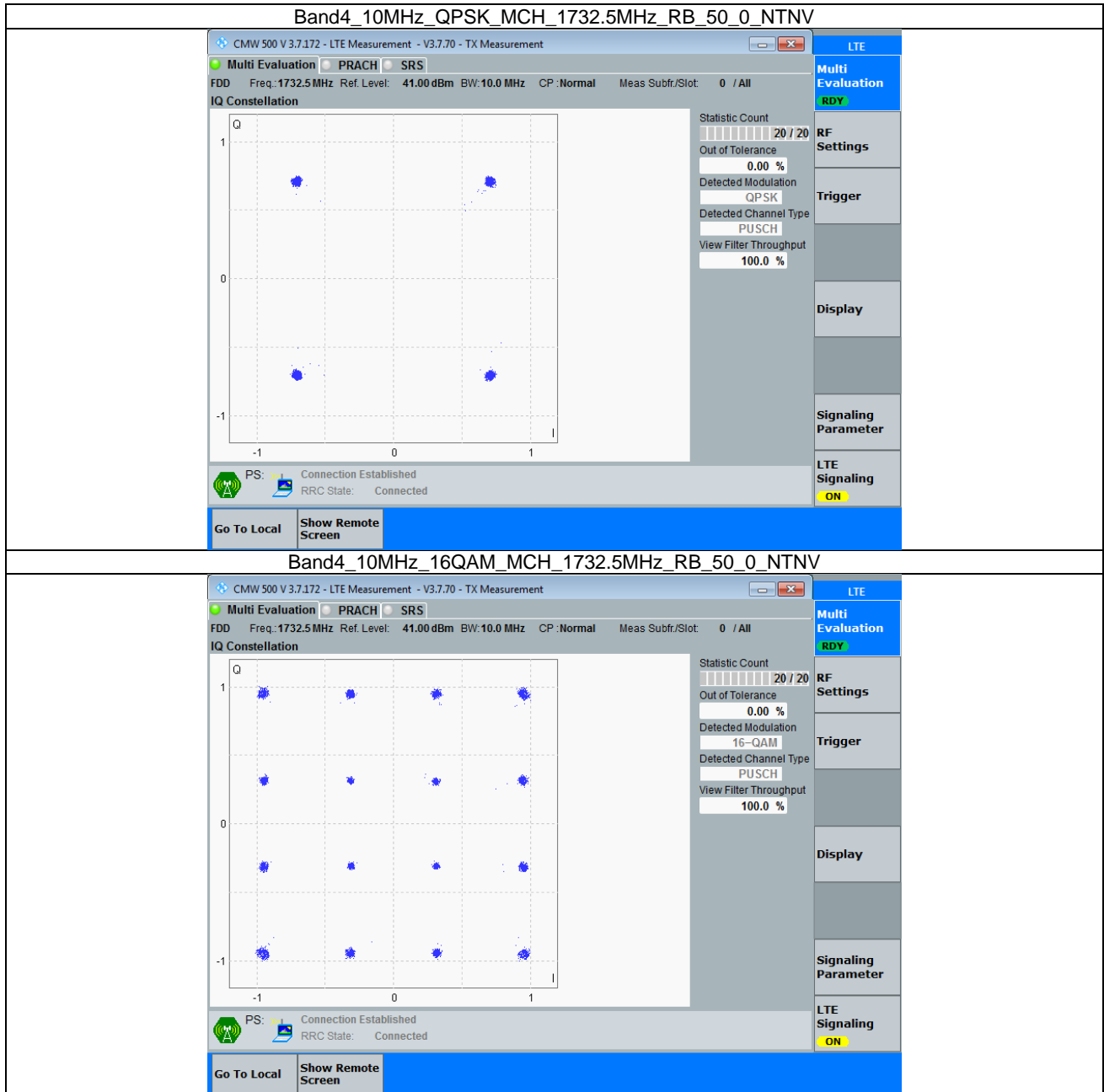
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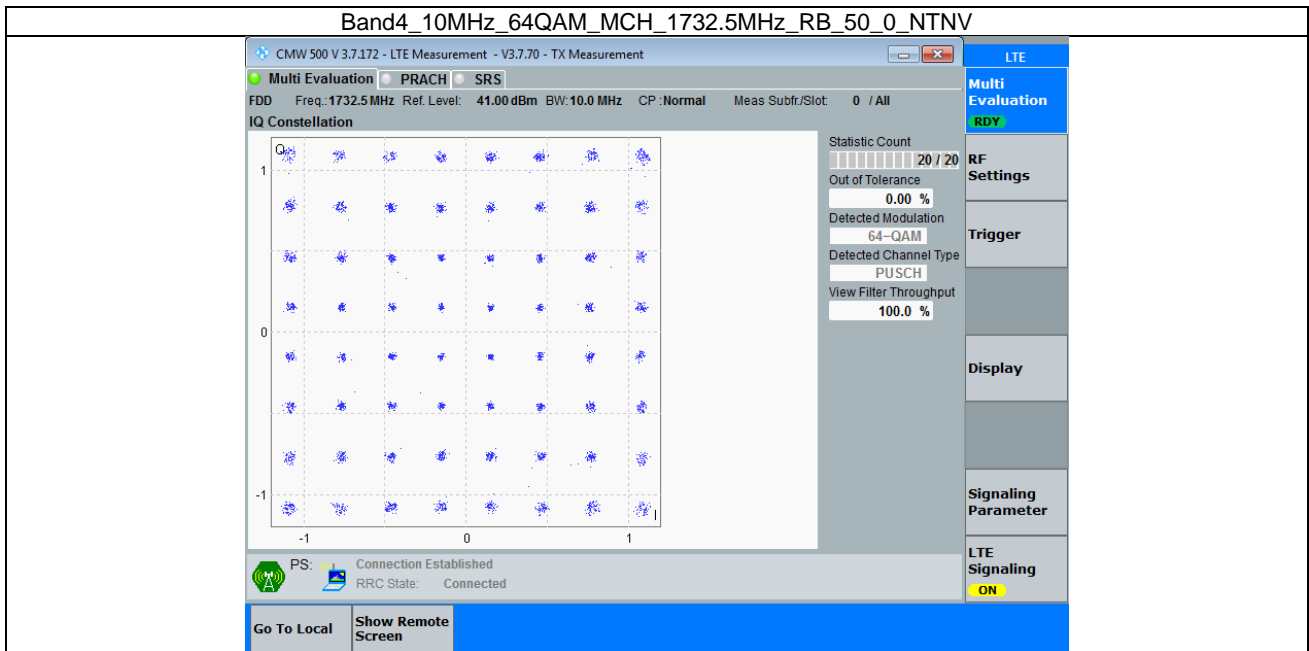
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3.4.2 Test Graph



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3.5 B4_15MHz

3.5.1 Test Result

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



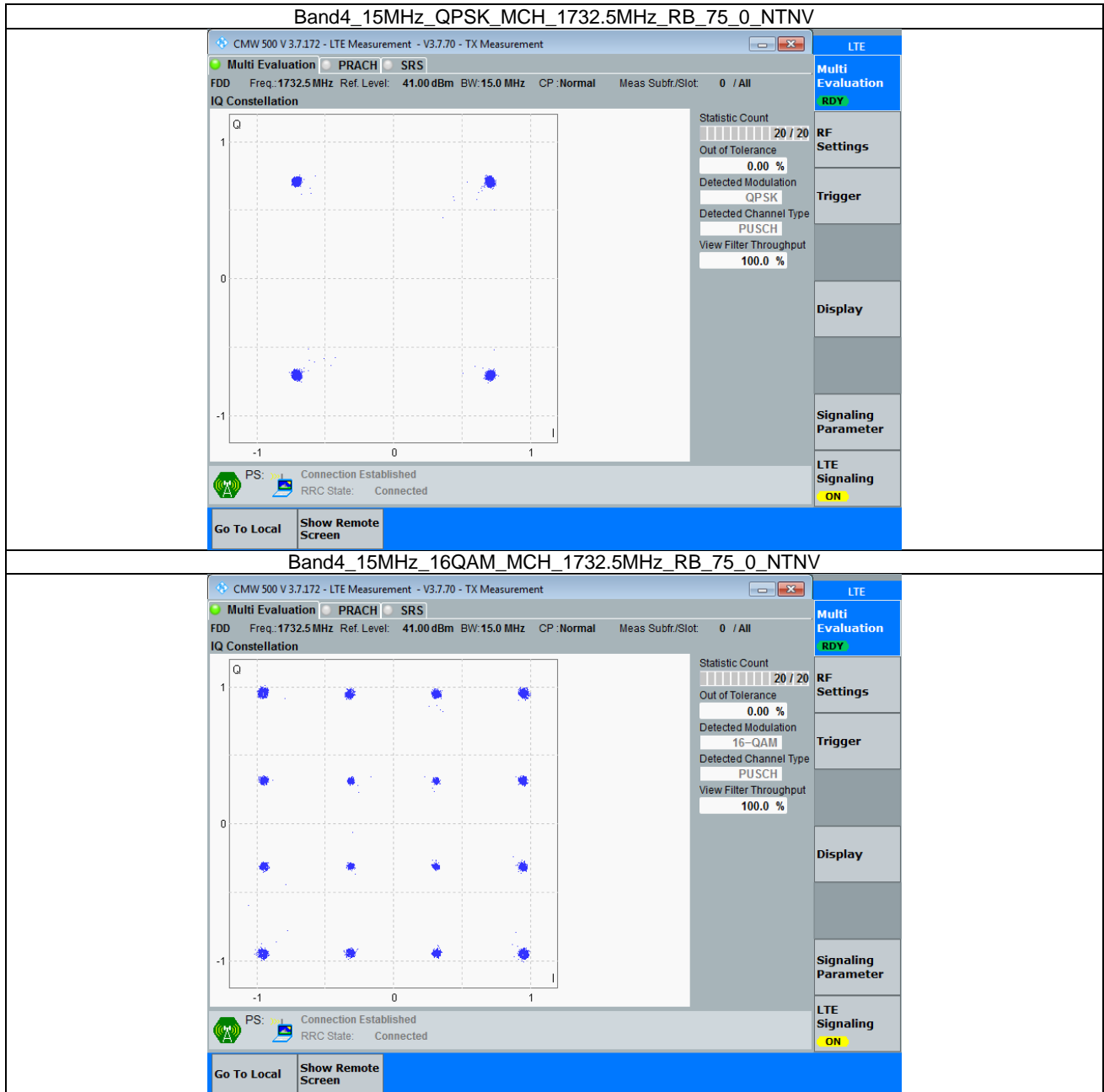
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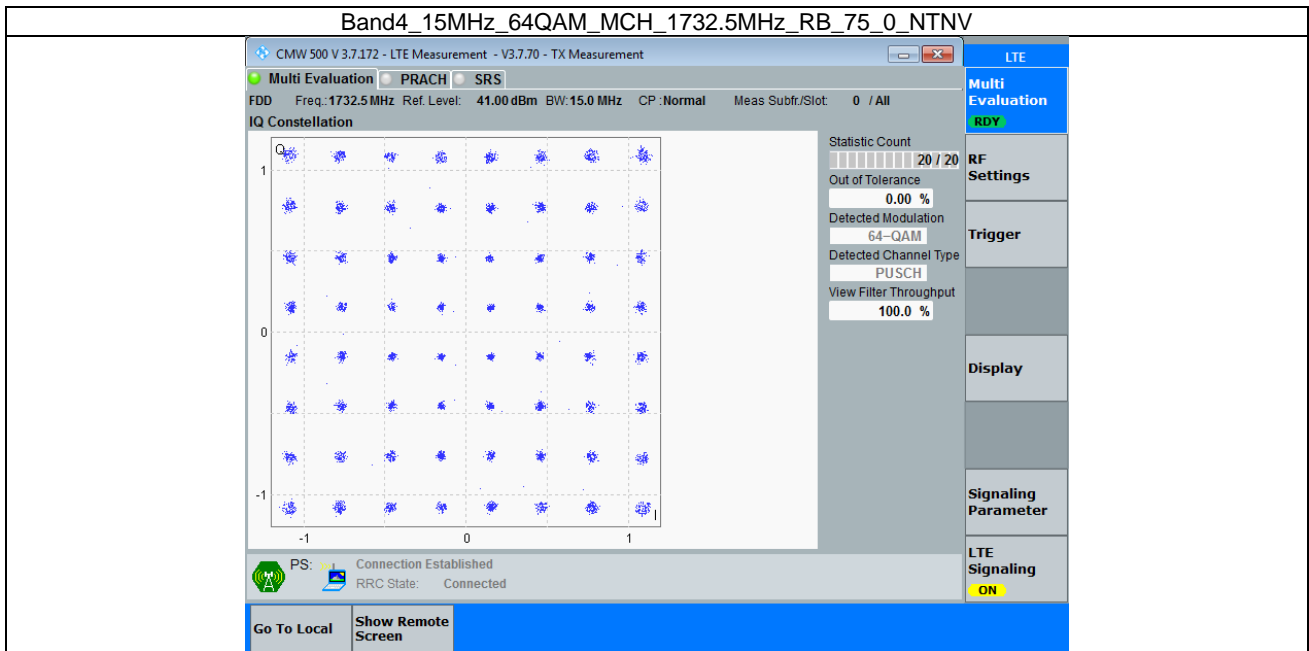
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3.5.2 Test Graph



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3.6 B4_20MHz

3.6.1 Test Result

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



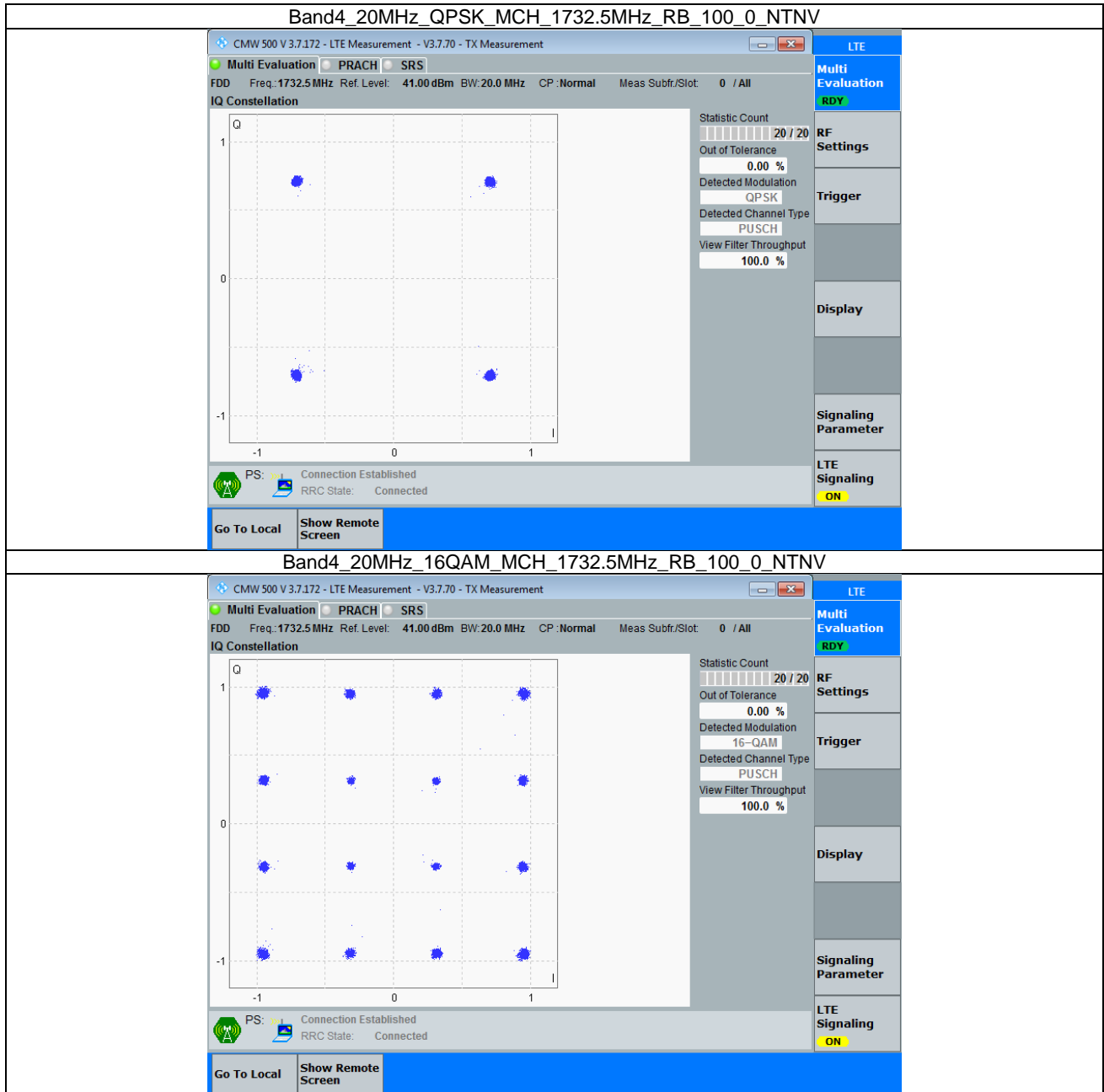
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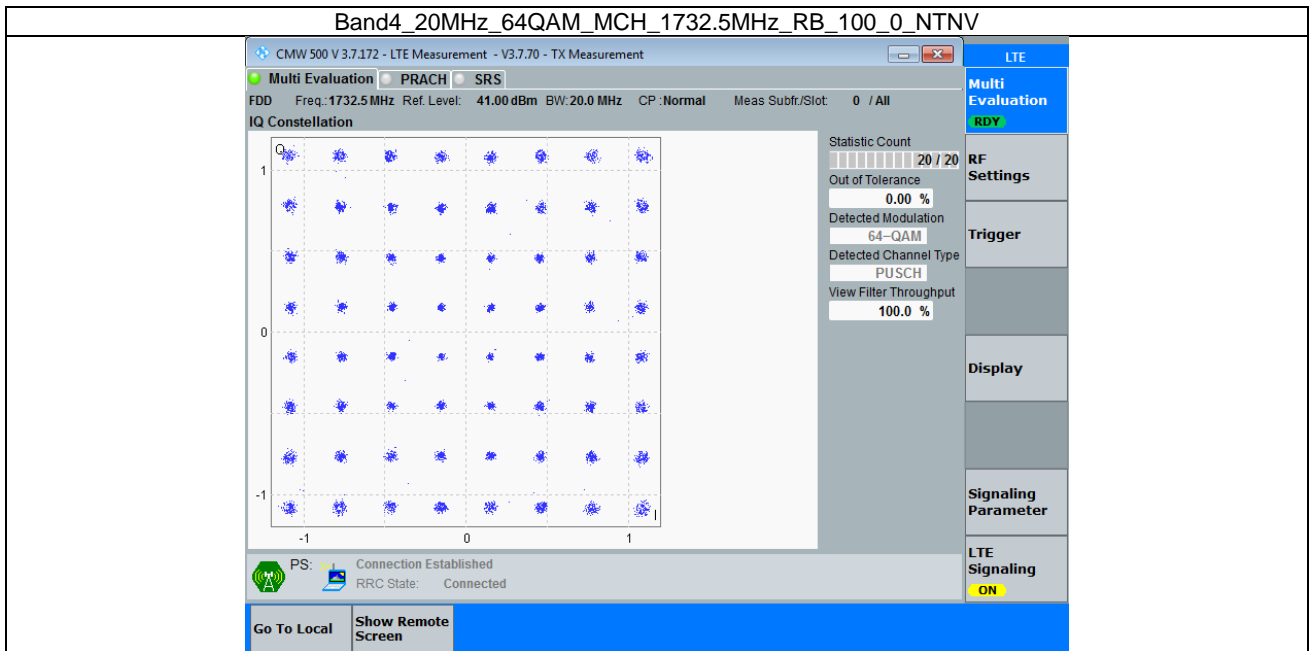
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4. 99% & 26dB Bandwidth

4.1 Band4_OBW

4.1.1 Test Result

Band: 4 / NTNv						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset		
1.4	QPSK	1710.7	6	0	1.109	Pass
		1732.5	6	0	1.110	Pass
		1754.3	6	0	1.112	Pass
	16QAM	1710.7	6	0	1.115	Pass
		1732.5	6	0	1.103	Pass
		1754.3	6	0	1.106	Pass
	64QAM	1710.7	6	0	1.111	Pass
		1732.5	6	0	1.120	Pass
		1754.3	6	0	1.121	Pass
3	QPSK	1711.5	15	0	2.739	Pass
		1732.5	15	0	2.737	Pass
		1753.5	15	0	2.741	Pass
	16QAM	1711.5	15	0	2.736	Pass
		1732.5	15	0	2.732	Pass
		1753.5	15	0	2.725	Pass
	64QAM	1711.5	15	0	2.738	Pass
		1732.5	15	0	2.729	Pass
		1753.5	15	0	2.751	Pass
5	QPSK	1712.5	25	0	4.559	Pass
		1732.5	25	0	4.534	Pass
		1752.5	25	0	4.543	Pass
	16QAM	1712.5	25	0	4.530	Pass
		1732.5	25	0	4.542	Pass
		1752.5	25	0	4.554	Pass
	64QAM	1712.5	25	0	4.530	Pass
		1732.5	25	0	4.552	Pass
		1752.5	25	0	4.543	Pass
10	QPSK	1715	50	0	9.047	Pass
		1732.5	50	0	9.028	Pass
		1750	50	0	9.052	Pass
	16QAM	1715	50	0	9.019	Pass
		1732.5	50	0	9.018	Pass
		1750	50	0	9.020	Pass
	64QAM	1715	50	0	9.030	Pass
		1732.5	50	0	9.028	Pass
		1750	50	0	9.061	Pass
15	QPSK	1717.5	75	0	13.571	Pass
		1732.5	75	0	13.495	Pass
		1747.5	75	0	13.514	Pass
	16QAM	1717.5	75	0	13.537	Pass



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	64QAM	1732.5	75	0	13.487	Pass	
		1747.5	75	0	13.538	Pass	
		1717.5	75	0	13.546	Pass	
		1732.5	75	0	13.487	Pass	
		1747.5	75	0	13.549	Pass	
20	QPSK	1720	100	0	18.070	Pass	
		1732.5	100	0	18.026	Pass	
		1745	100	0	18.066	Pass	
	16QAM	1720	100	0	18.157	Pass	
		1732.5	100	0	17.994	Pass	
		1745	100	0	17.996	Pass	
	64QAM	1720	100	0	18.052	Pass	
		1732.5	100	0	18.019	Pass	
			1745	100	0	18.033	Pass



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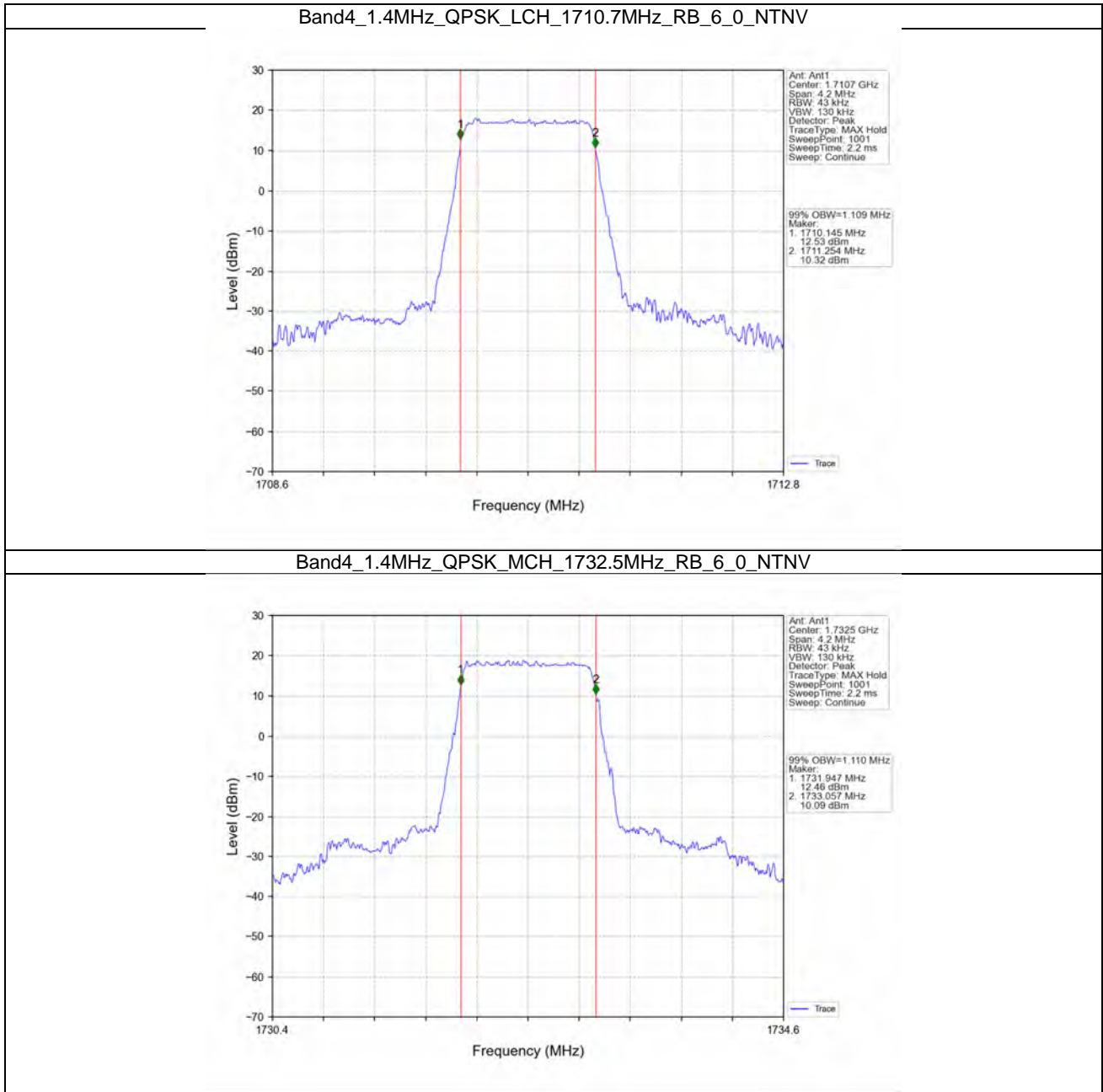
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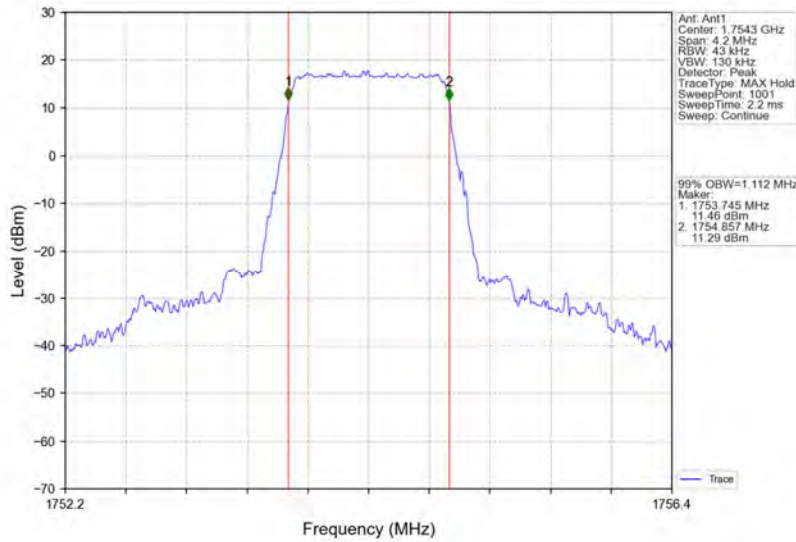
4.1.2 Test Graph



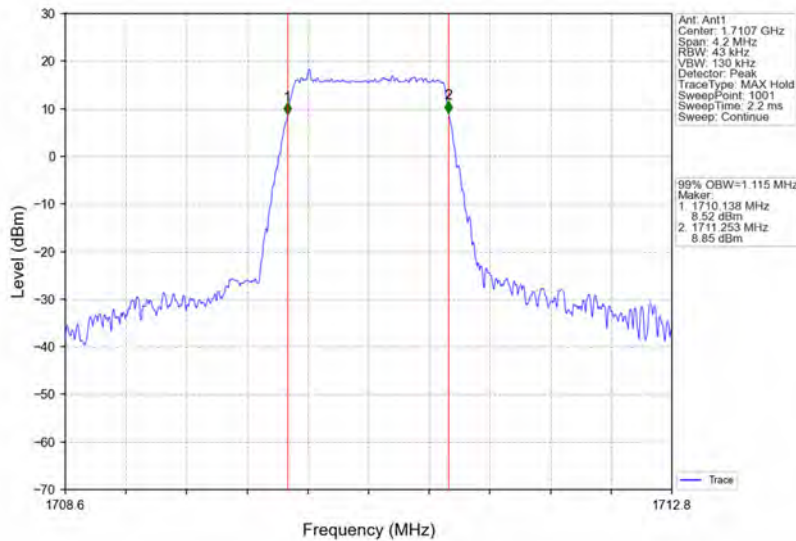
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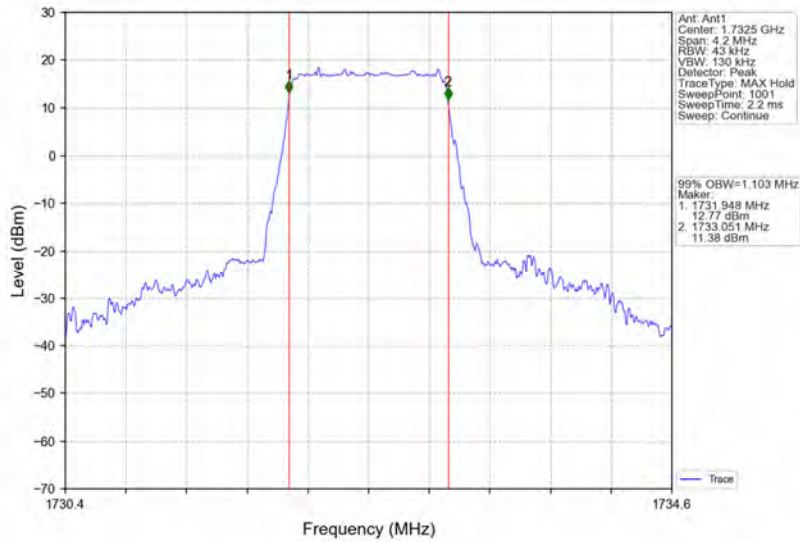
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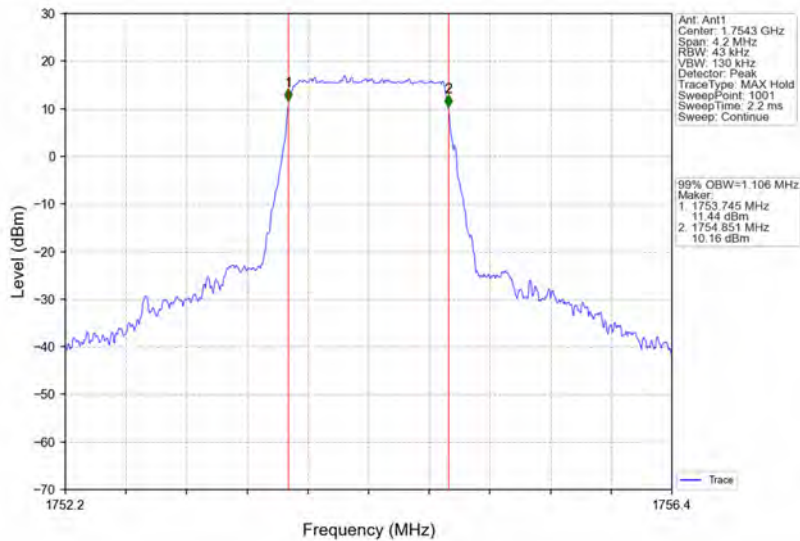


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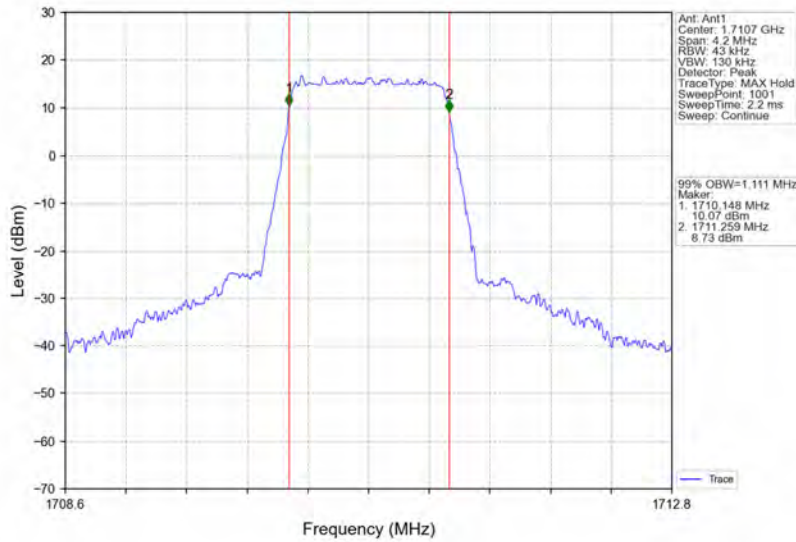
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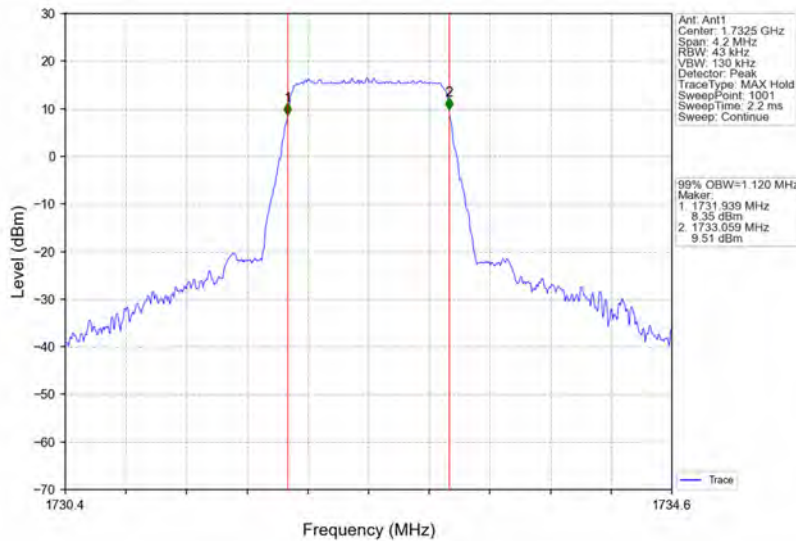


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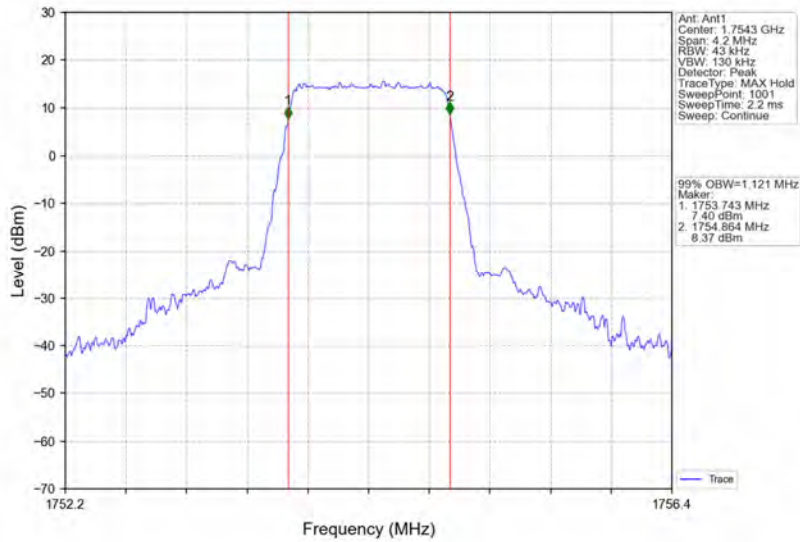
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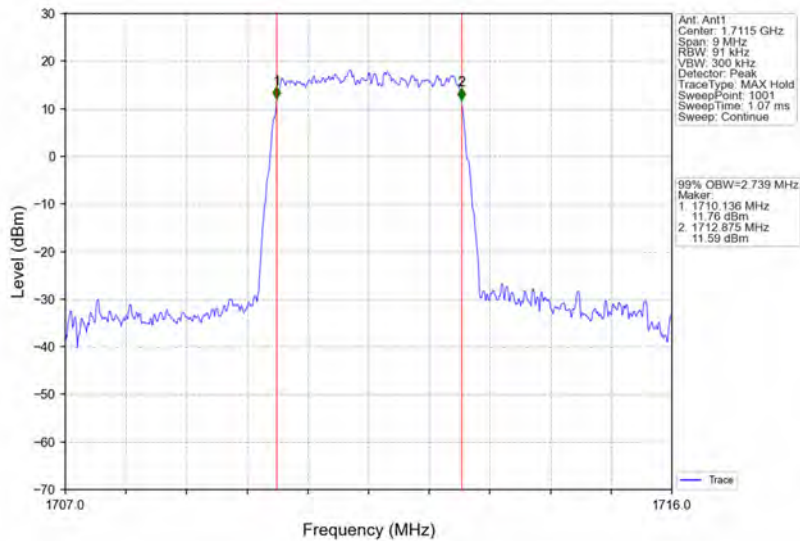
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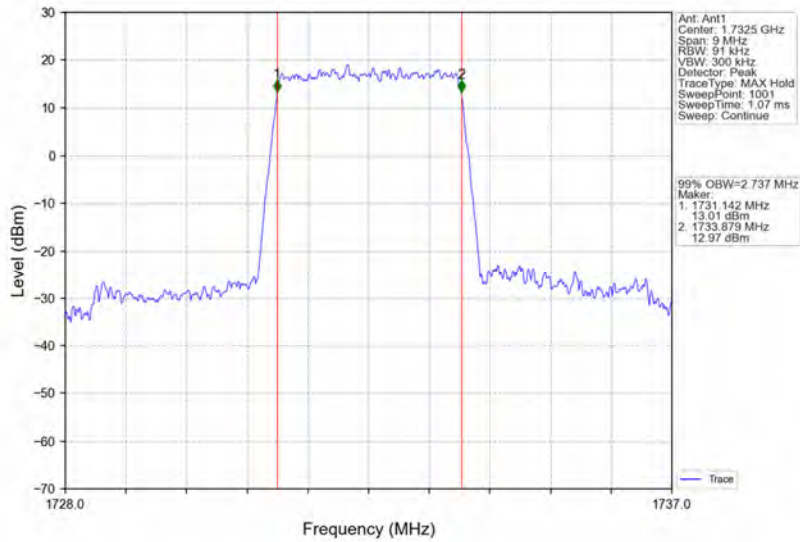
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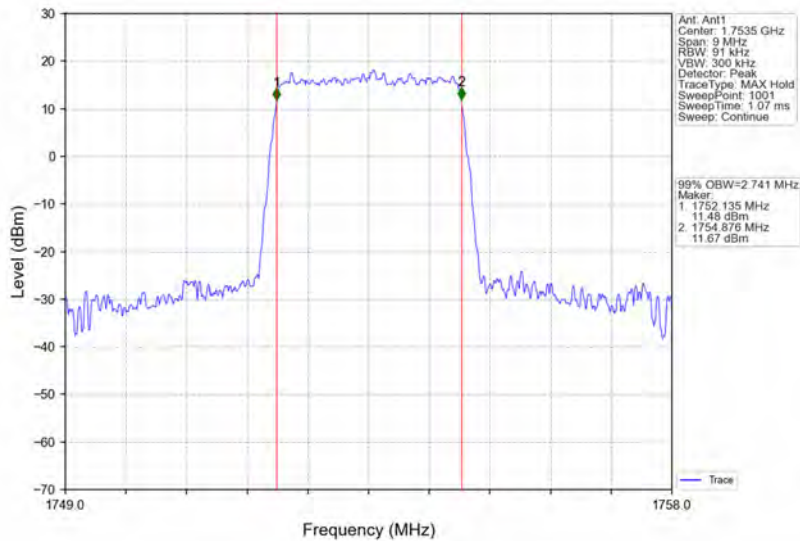
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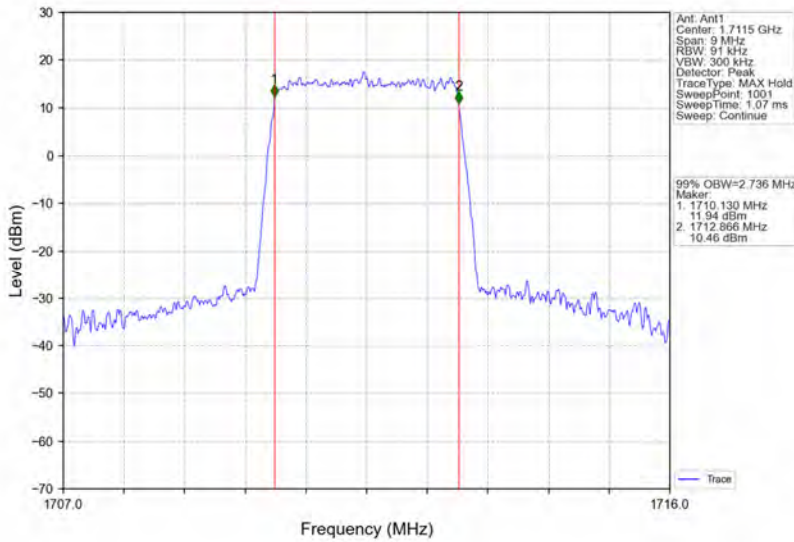
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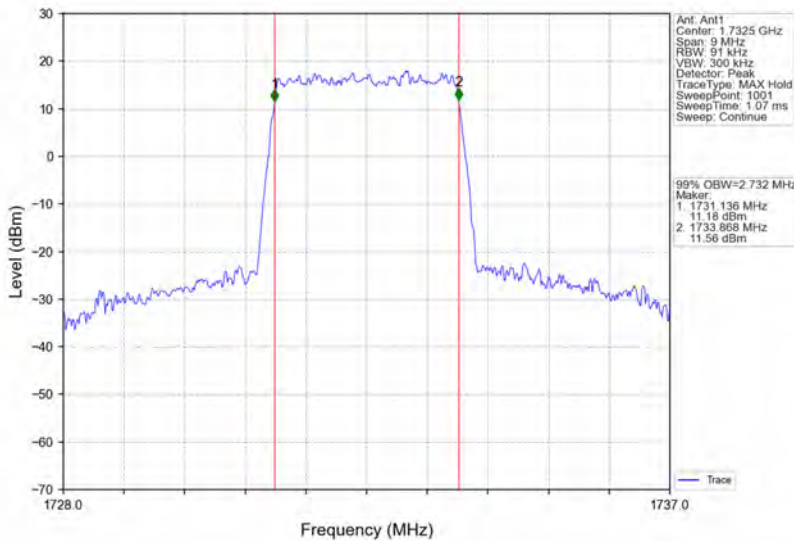


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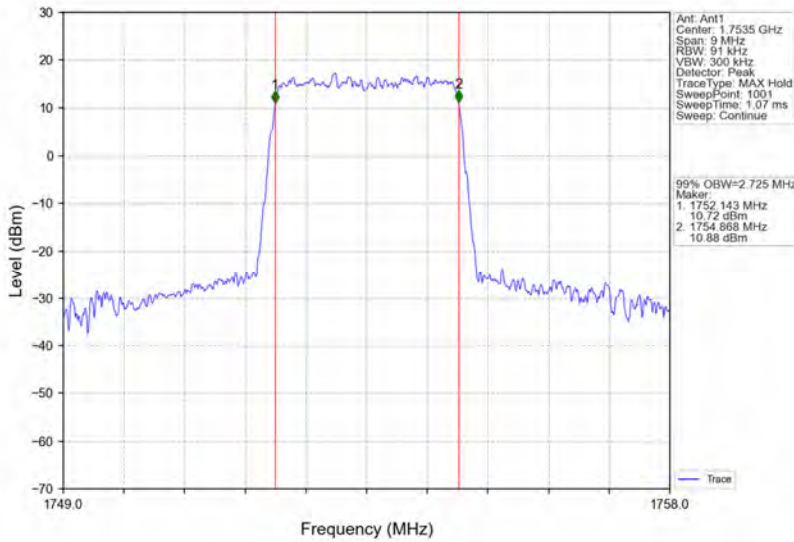
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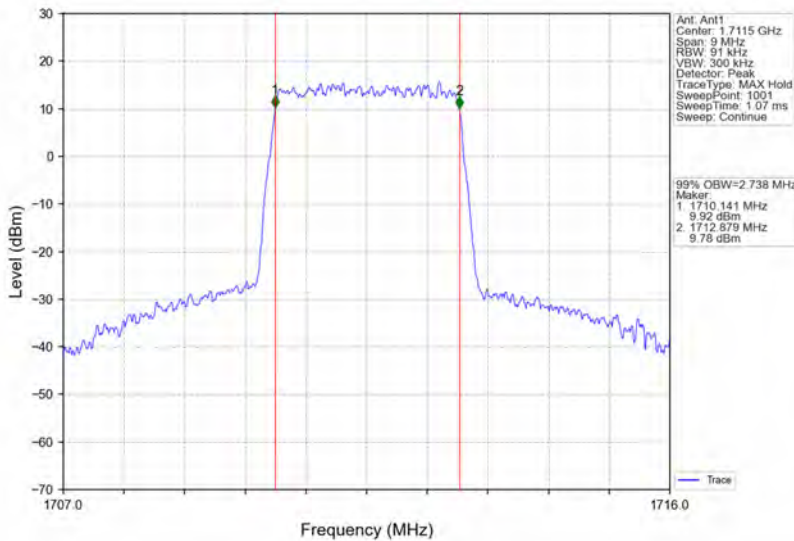
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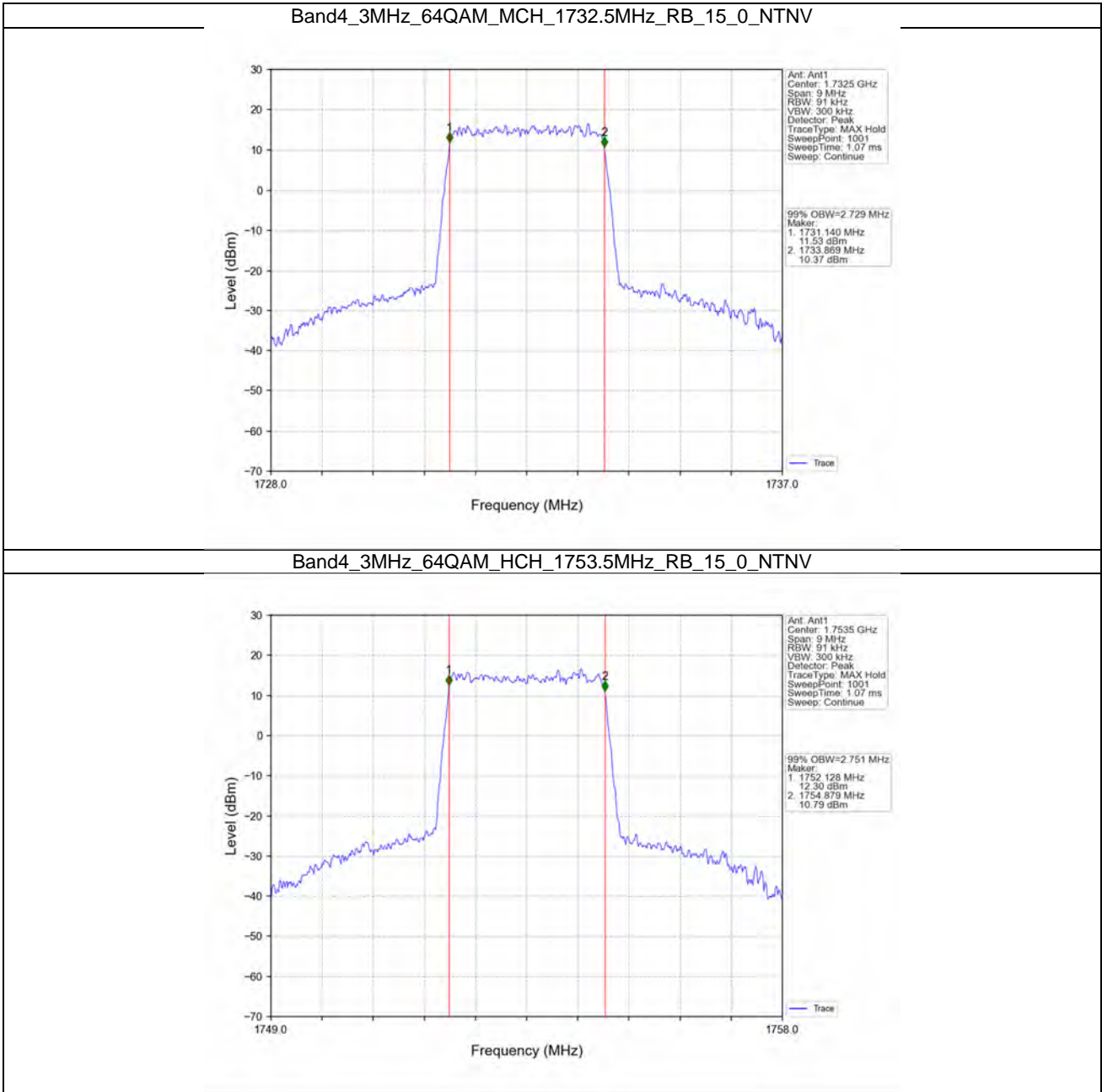
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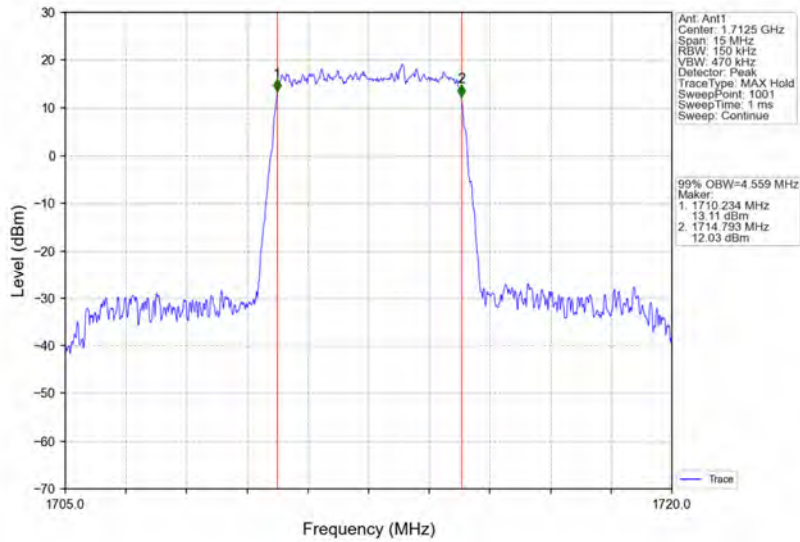
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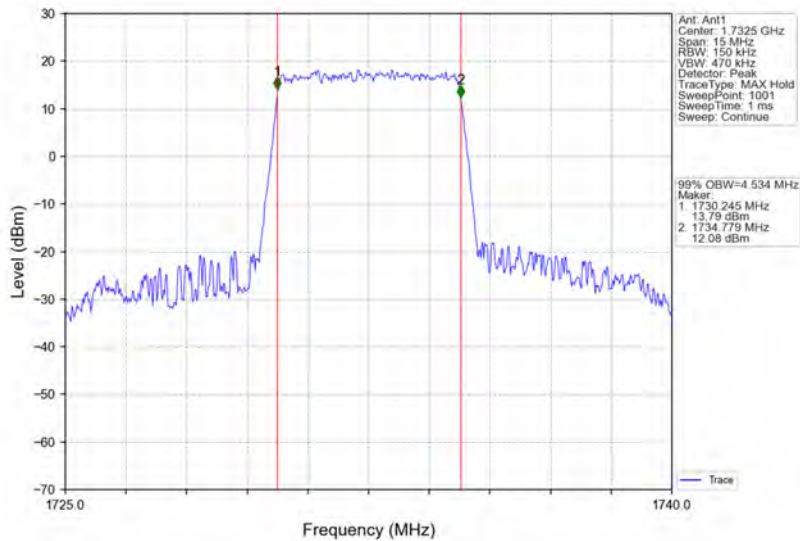
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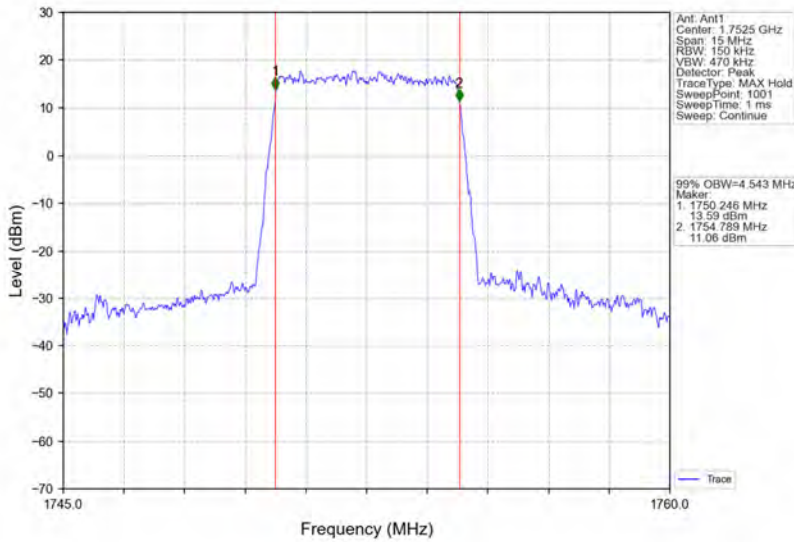
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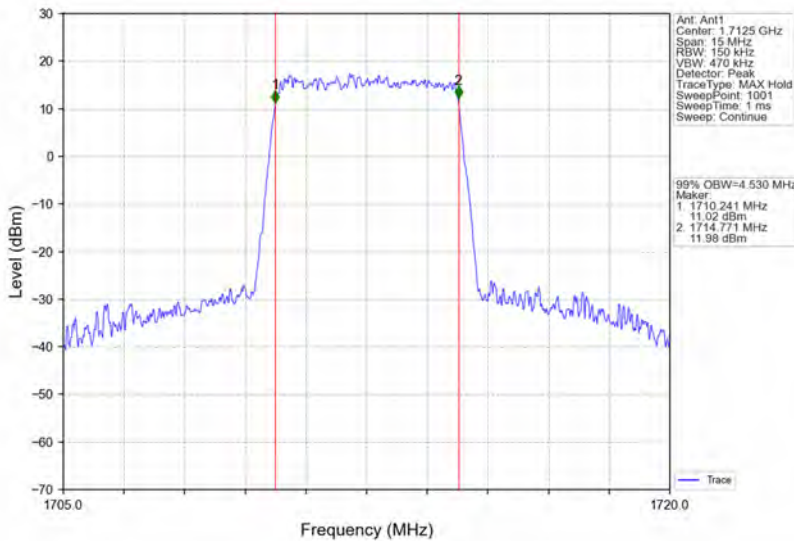
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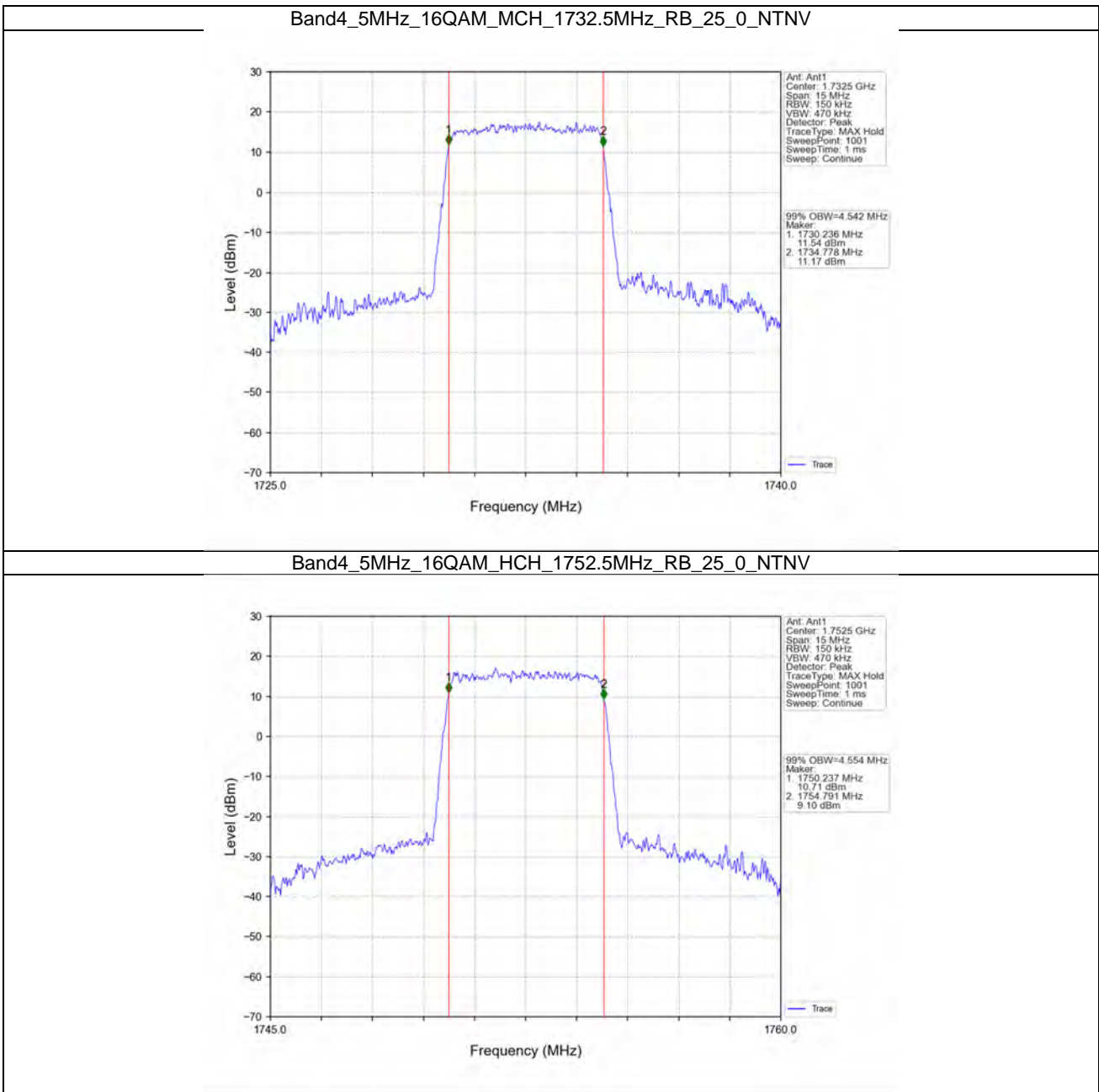
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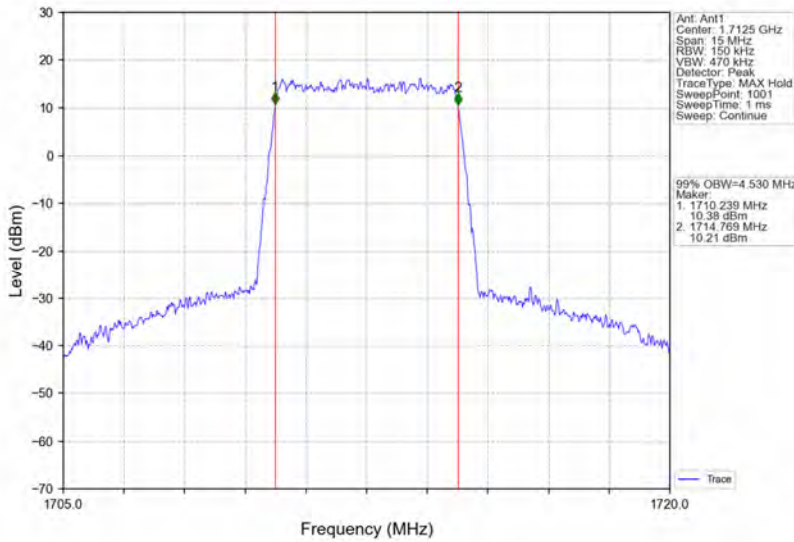
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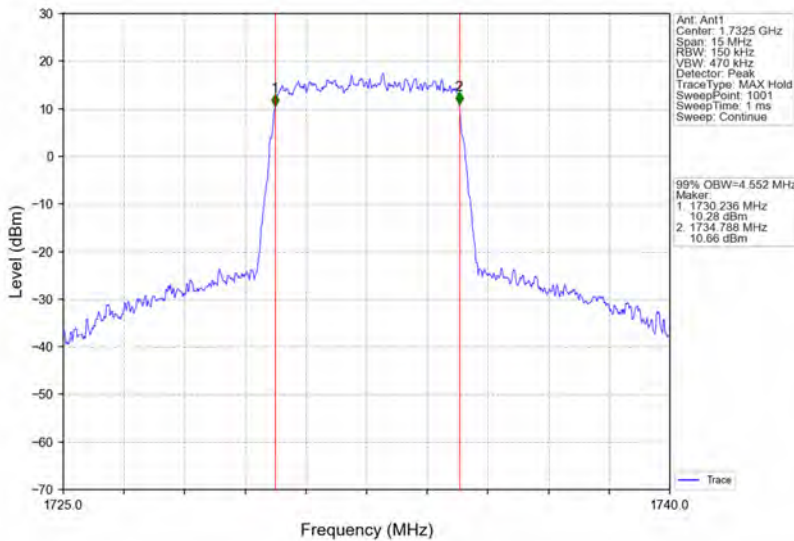
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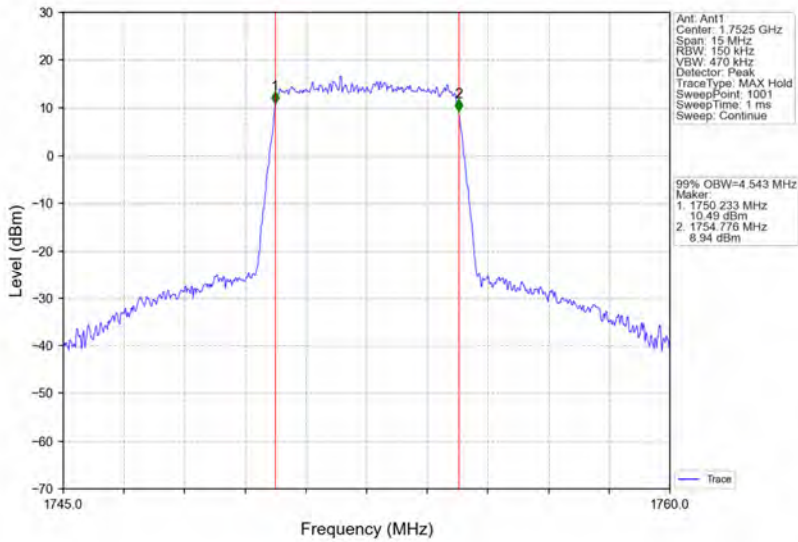
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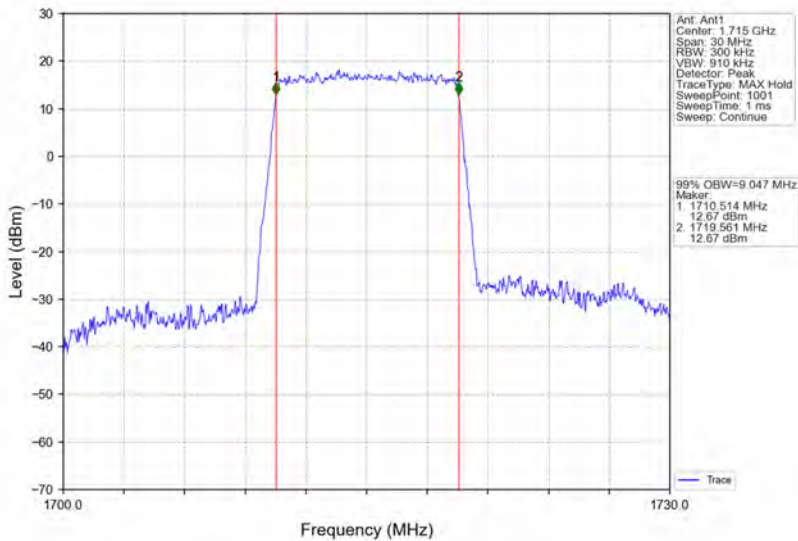


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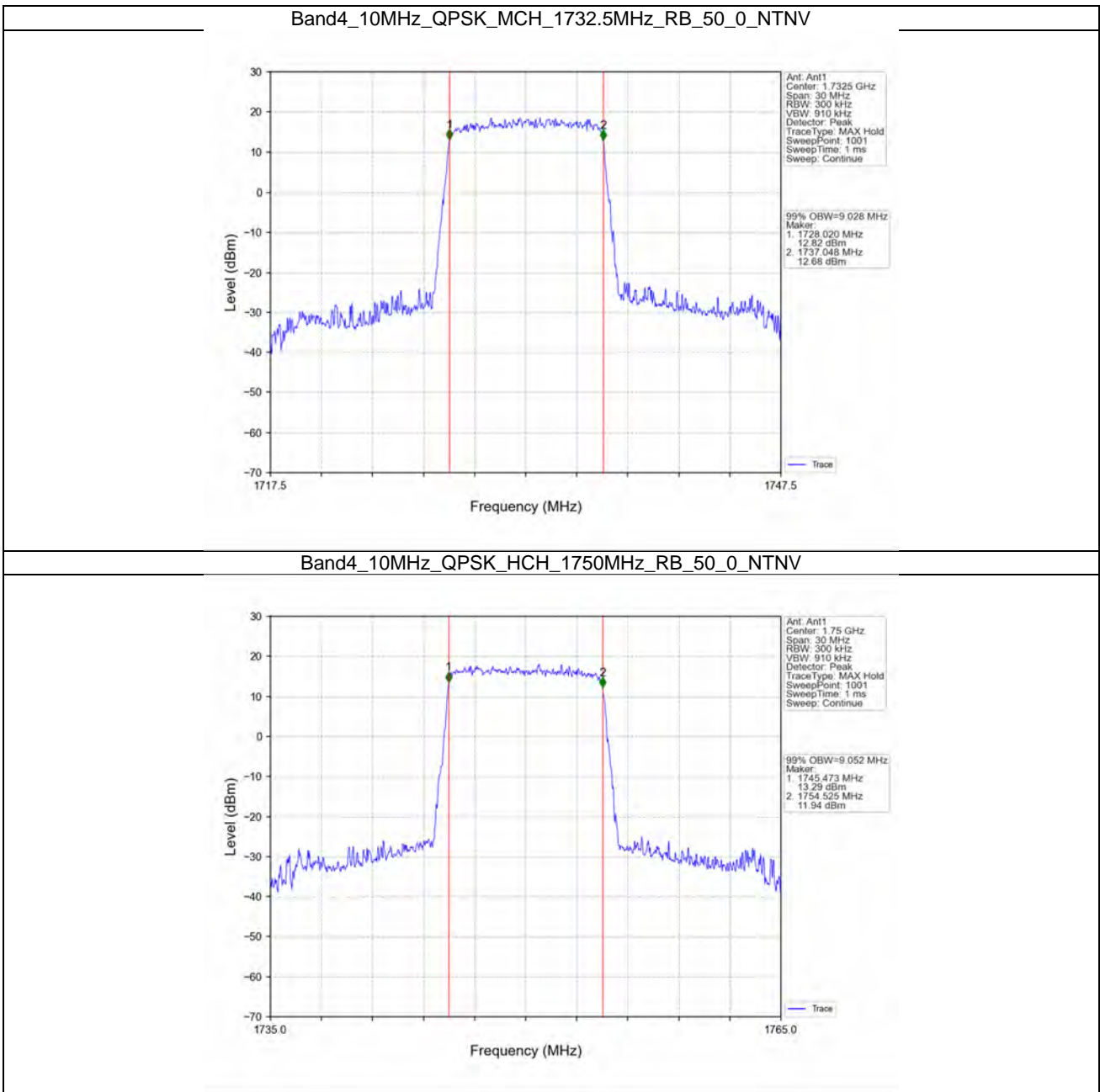
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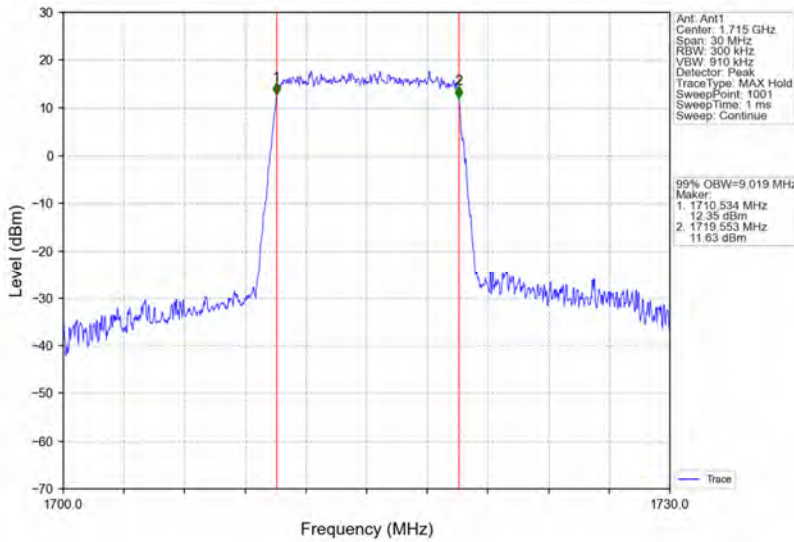
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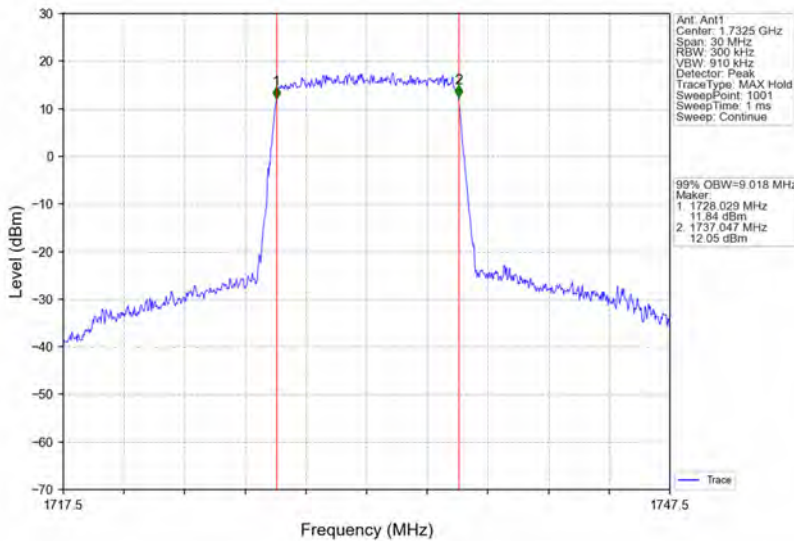
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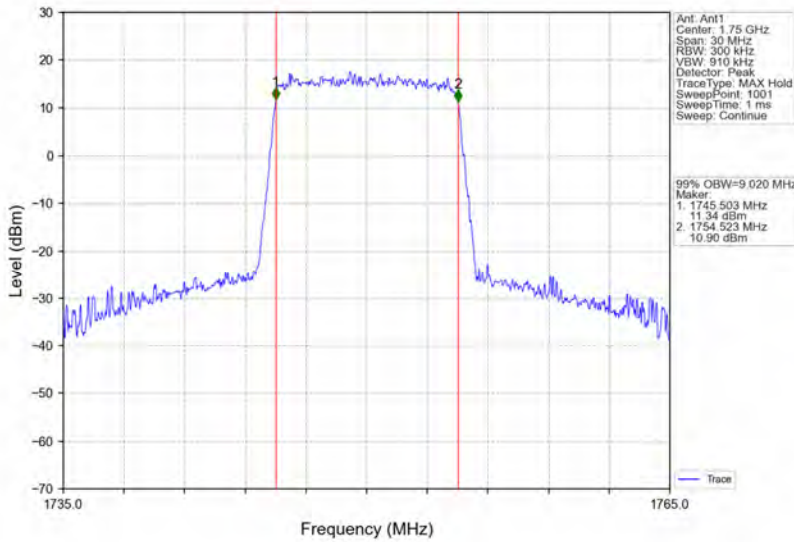
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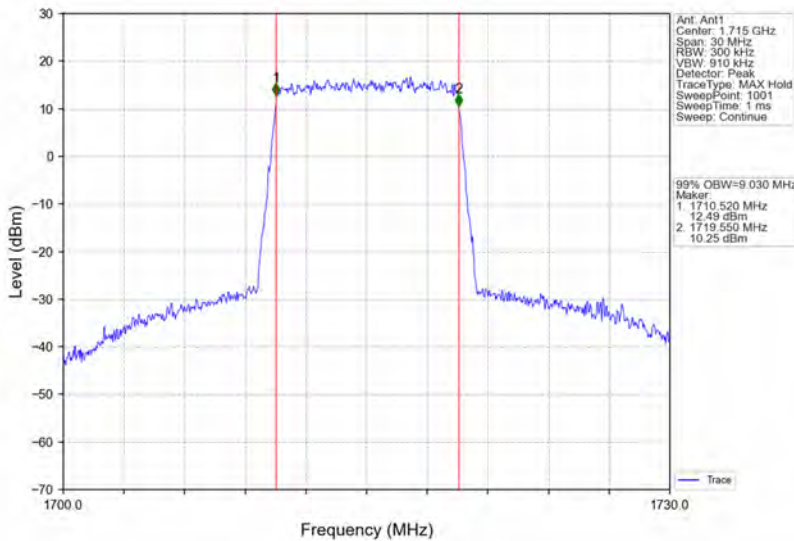


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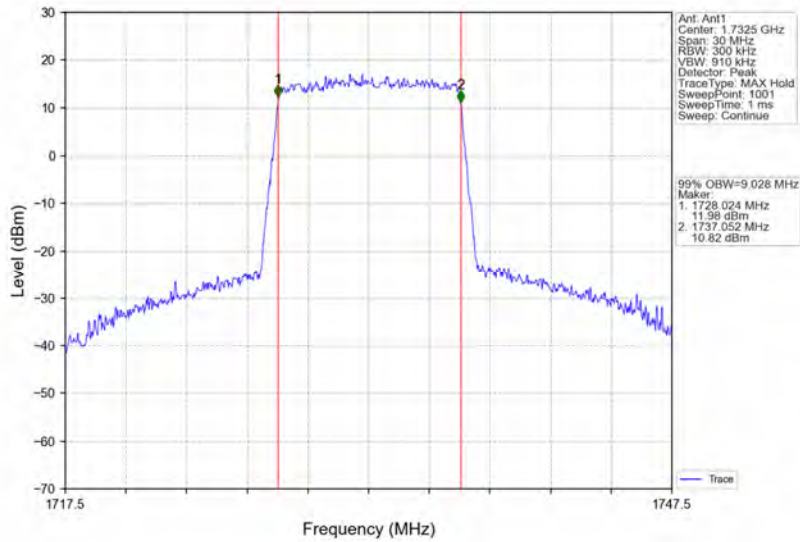
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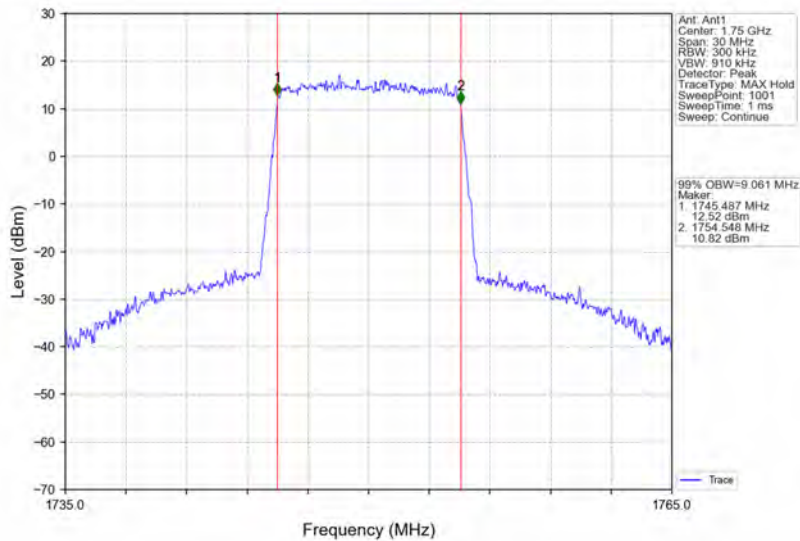


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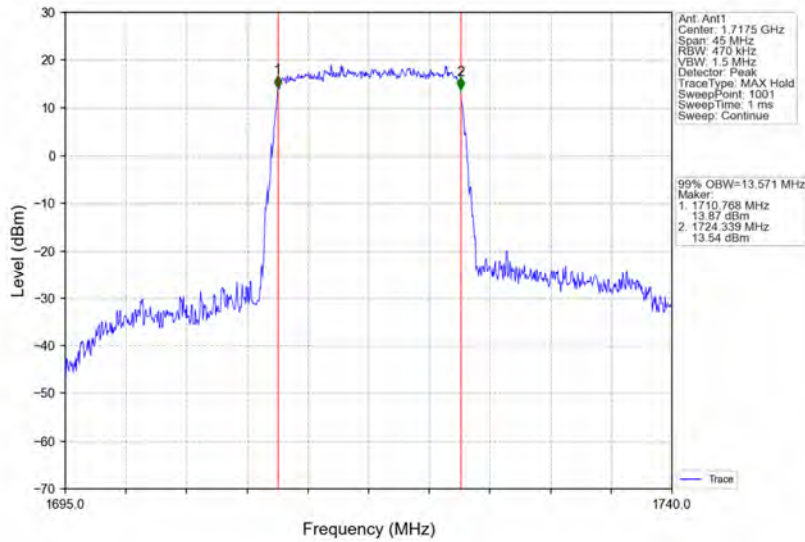
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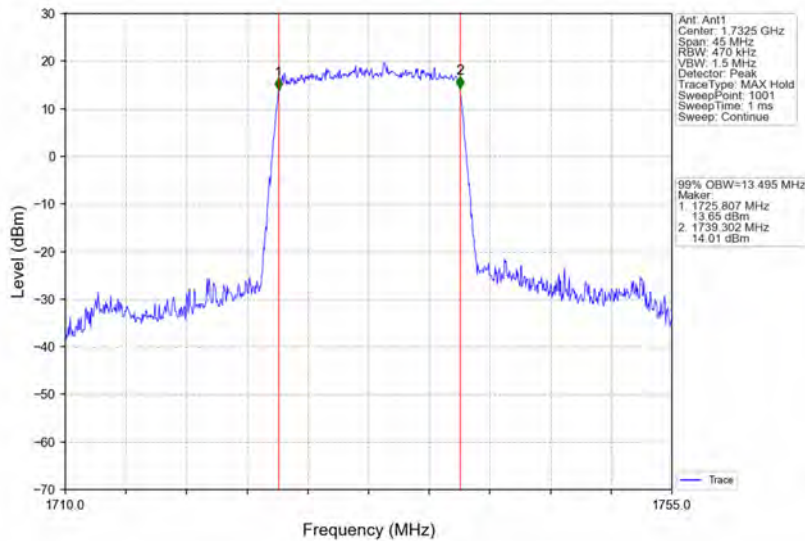


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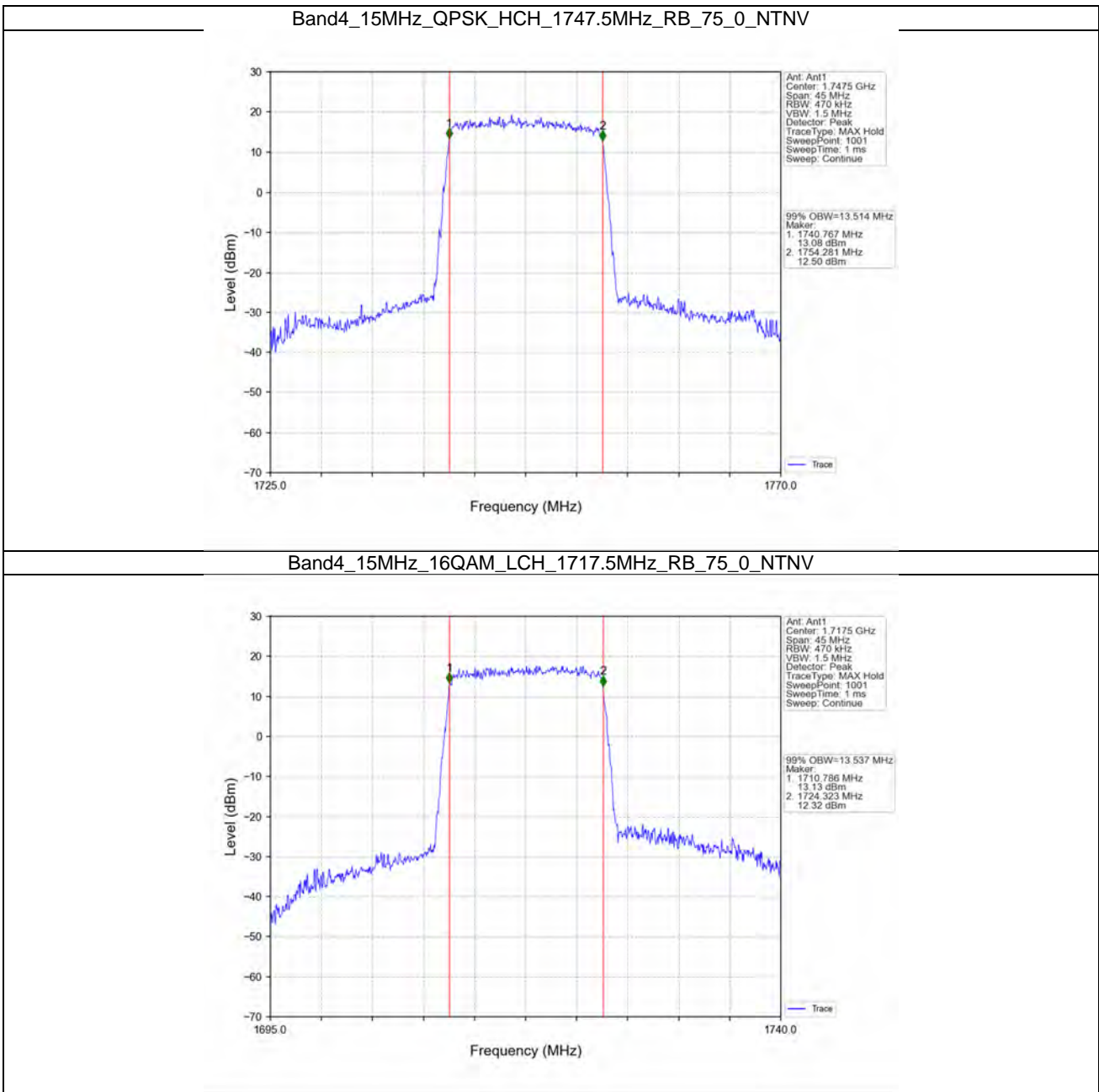
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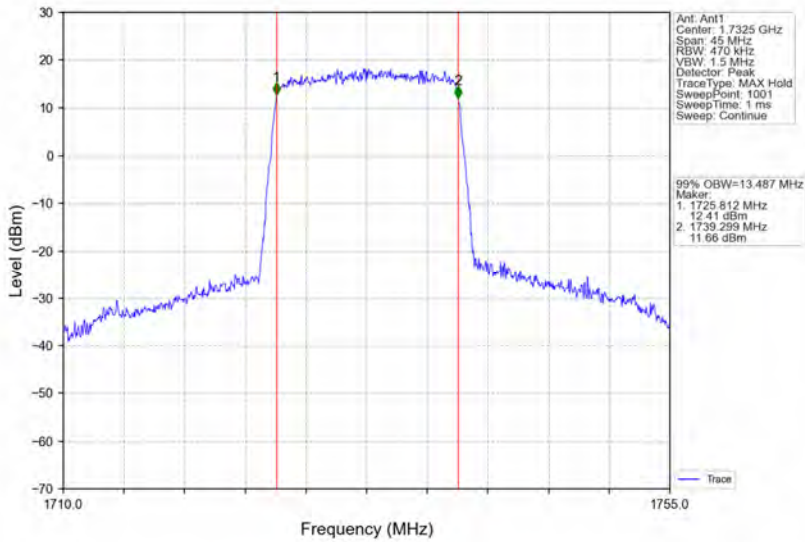
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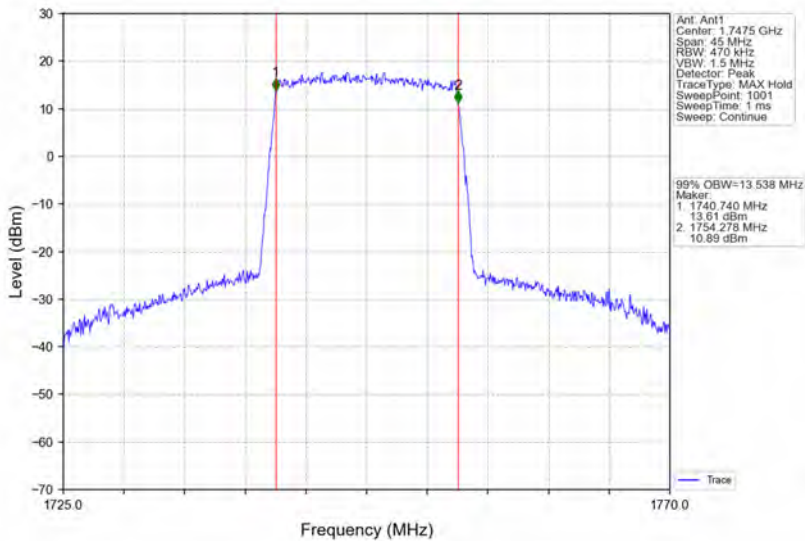
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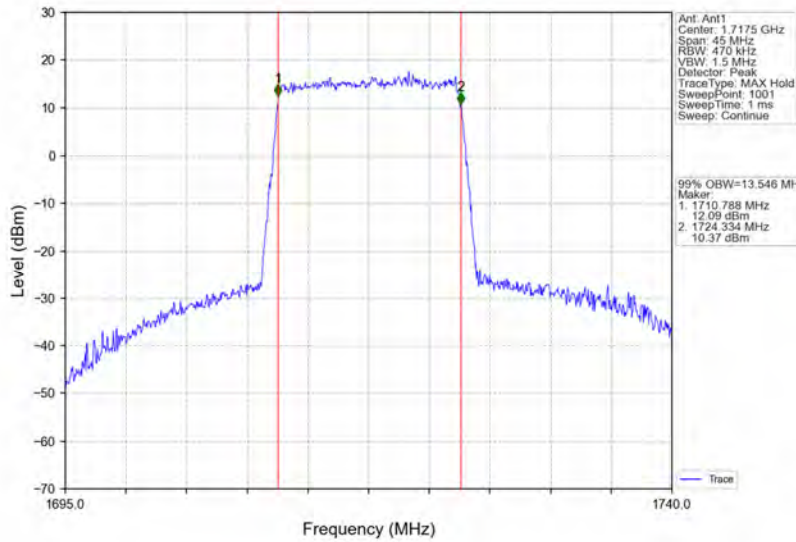
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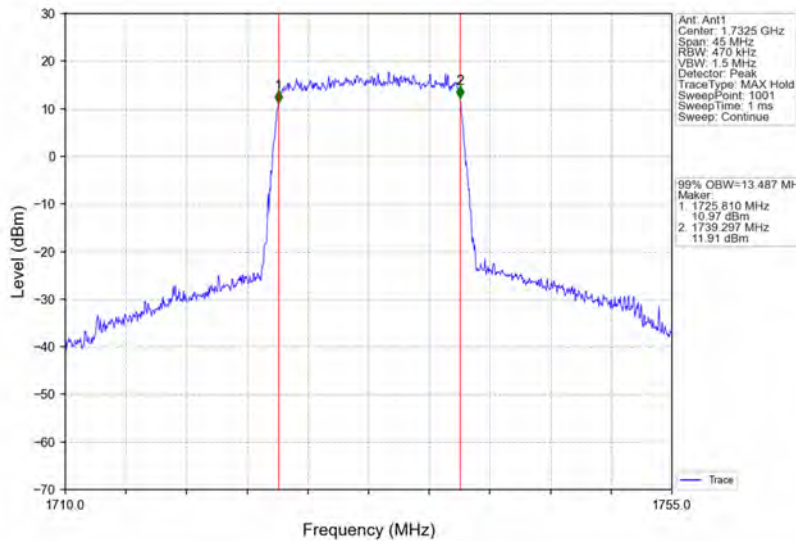
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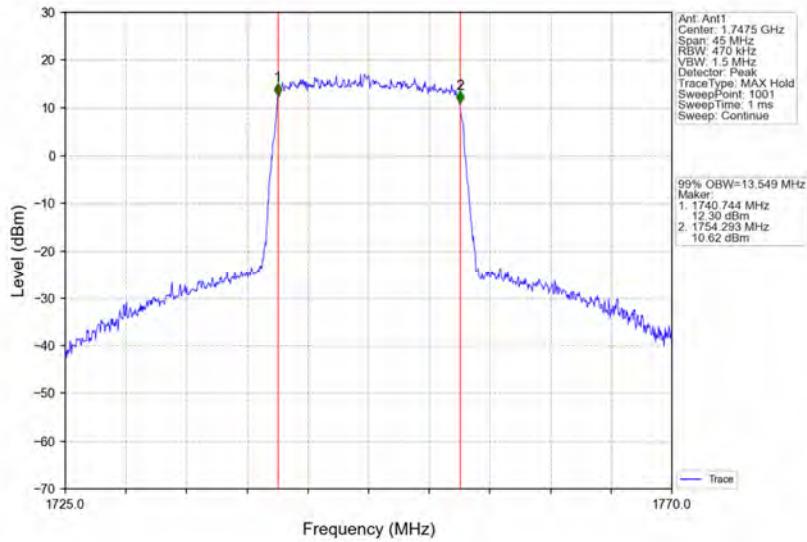
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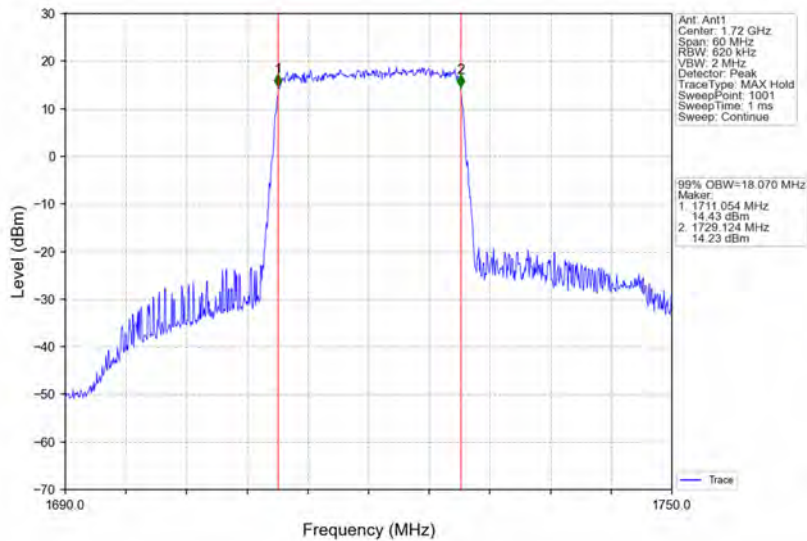


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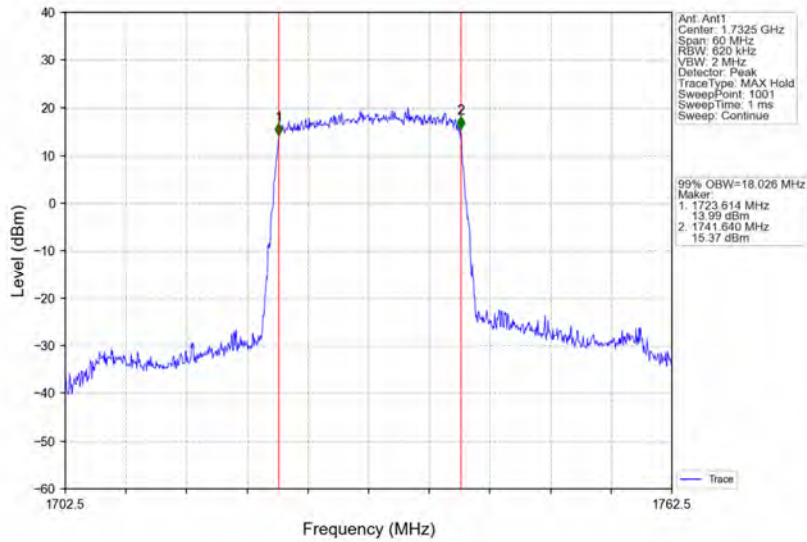
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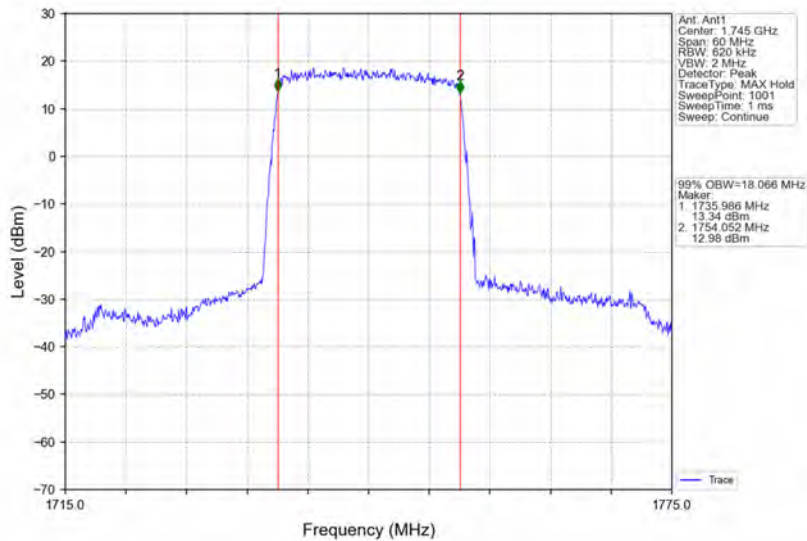


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Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



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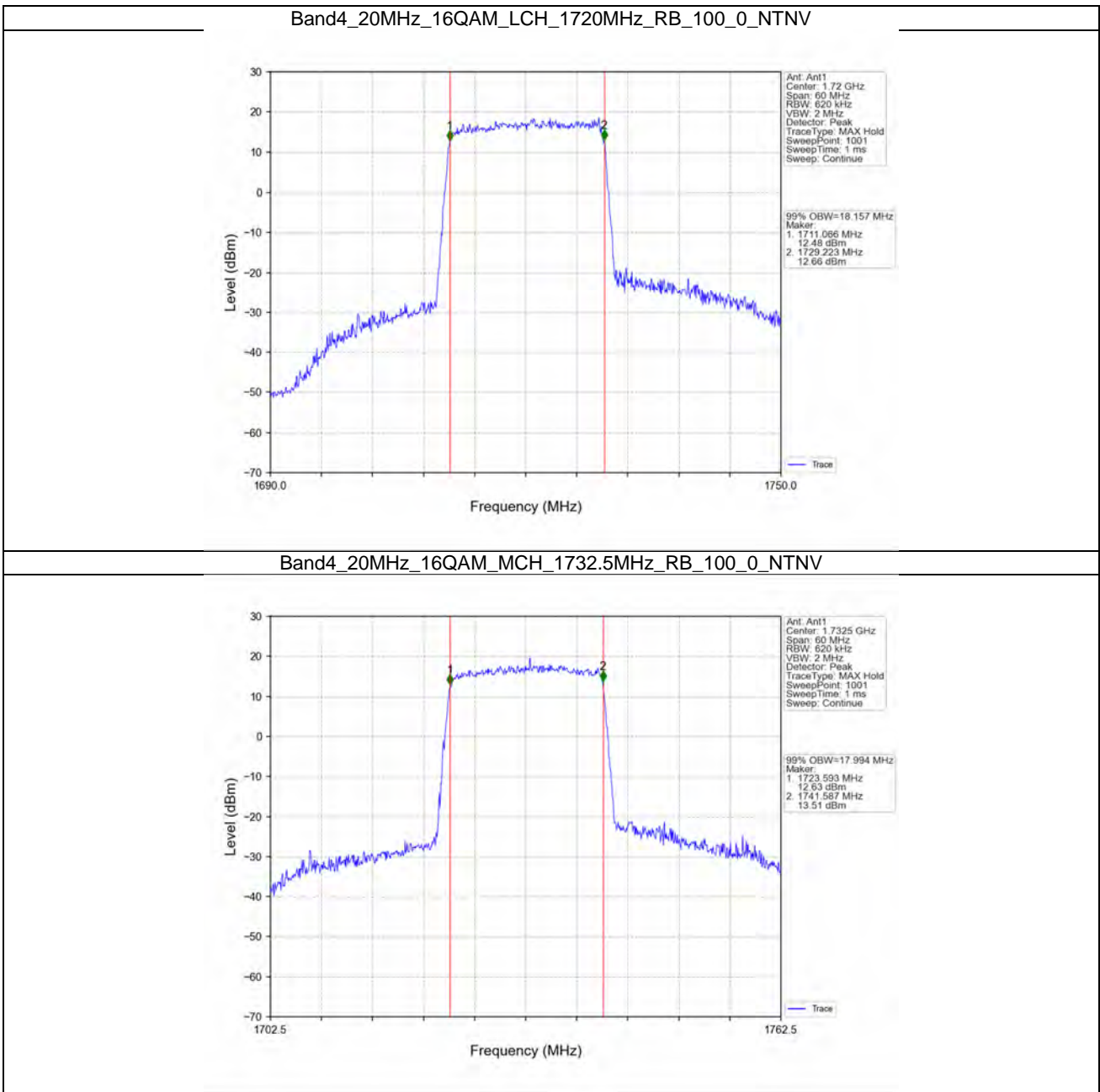
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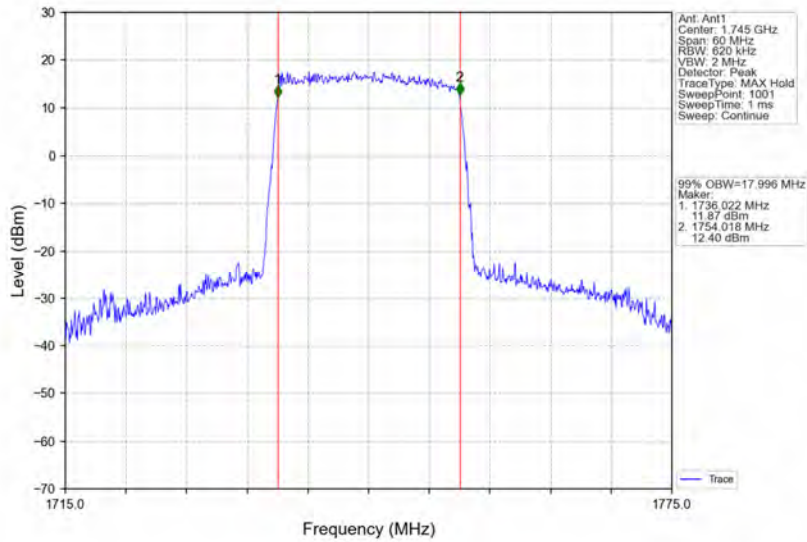
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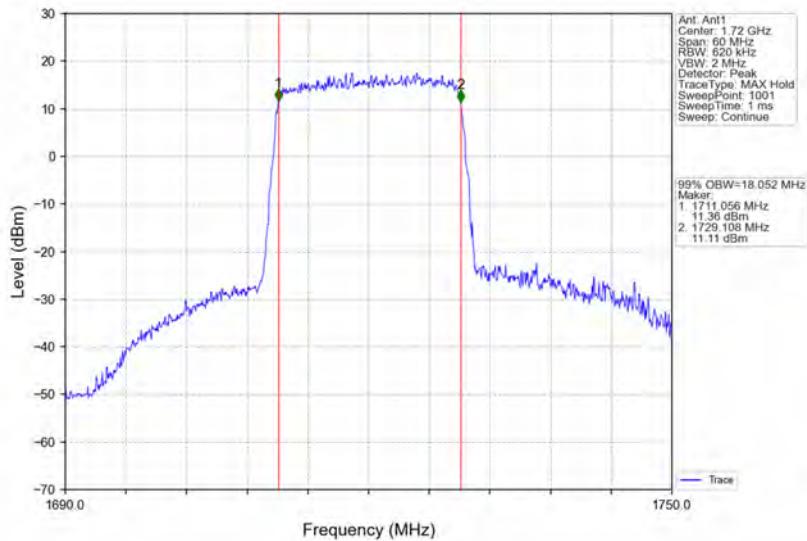
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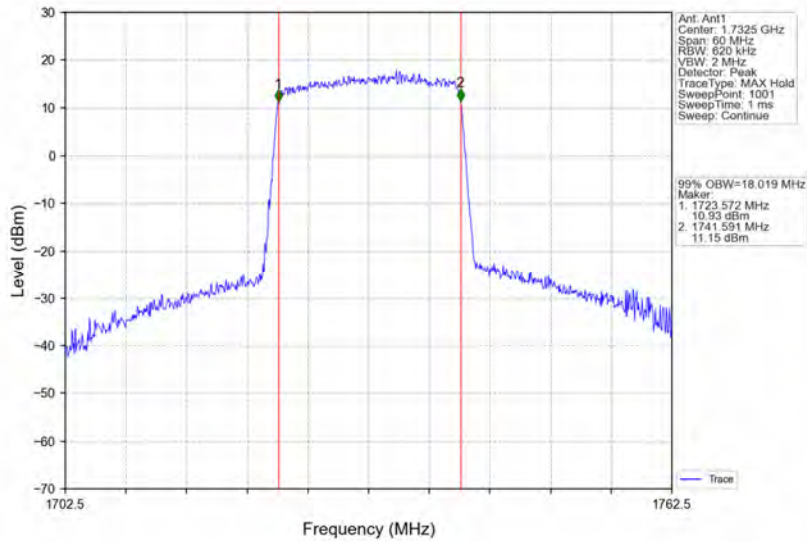
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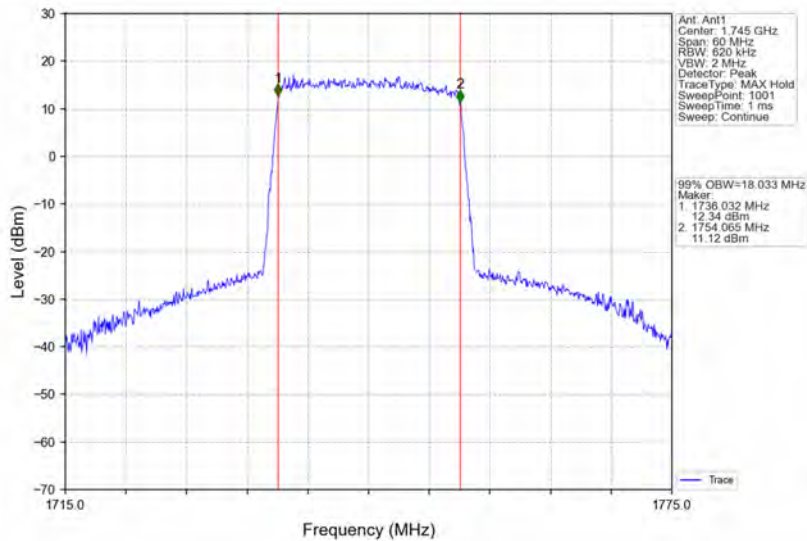


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4.2 Band4_XDB

4.2.1 Test Result

Band: 4 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.320	Pass
		1732.5	6	0	1.322	Pass
		1754.3	6	0	1.344	Pass
	16QAM	1710.7	6	0	1.328	Pass
		1732.5	6	0	1.315	Pass
		1754.3	6	0	1.307	Pass
	64QAM	1710.7	6	0	1.317	Pass
		1732.5	6	0	1.348	Pass
		1754.3	6	0	1.335	Pass
3	QPSK	1711.5	15	0	3.051	Pass
		1732.5	15	0	3.045	Pass
		1753.5	15	0	3.039	Pass
	16QAM	1711.5	15	0	3.050	Pass
		1732.5	15	0	3.055	Pass
		1753.5	15	0	3.018	Pass
	64QAM	1711.5	15	0	3.053	Pass
		1732.5	15	0	3.041	Pass
		1753.5	15	0	3.032	Pass
5	QPSK	1712.5	25	0	5.061	Pass
		1732.5	25	0	5.073	Pass
		1752.5	25	0	5.094	Pass
	16QAM	1712.5	25	0	5.061	Pass
		1732.5	25	0	5.098	Pass
		1752.5	25	0	5.097	Pass
	64QAM	1712.5	25	0	5.071	Pass
		1732.5	25	0	5.076	Pass
		1752.5	25	0	5.051	Pass
10	QPSK	1715	50	0	10.022	Pass
		1732.5	50	0	9.993	Pass
		1750	50	0	10.014	Pass
	16QAM	1715	50	0	9.954	Pass
		1732.5	50	0	9.937	Pass
		1750	50	0	10.017	Pass
	64QAM	1715	50	0	9.937	Pass
		1732.5	50	0	9.993	Pass
		1750	50	0	9.969	Pass
15	QPSK	1717.5	75	0	15.132	Pass
		1732.5	75	0	14.884	Pass
		1747.5	75	0	14.808	Pass
	16QAM	1717.5	75	0	15.039	Pass
		1732.5	75	0	14.952	Pass
		1747.5	75	0	14.943	Pass
	64QAM	1717.5	75	0	14.960	Pass



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		1732.5	75	0	14.931	Pass
		1747.5	75	0	14.888	Pass
20	QPSK	1720	100	0	19.846	Pass
		1732.5	100	0	19.704	Pass
		1745	100	0	19.786	Pass
	16QAM	1720	100	0	19.774	Pass
		1732.5	100	0	19.663	Pass
		1745	100	0	19.751	Pass
	64QAM	1720	100	0	19.849	Pass
		1732.5	100	0	19.550	Pass
		1745	100	0	19.779	Pass



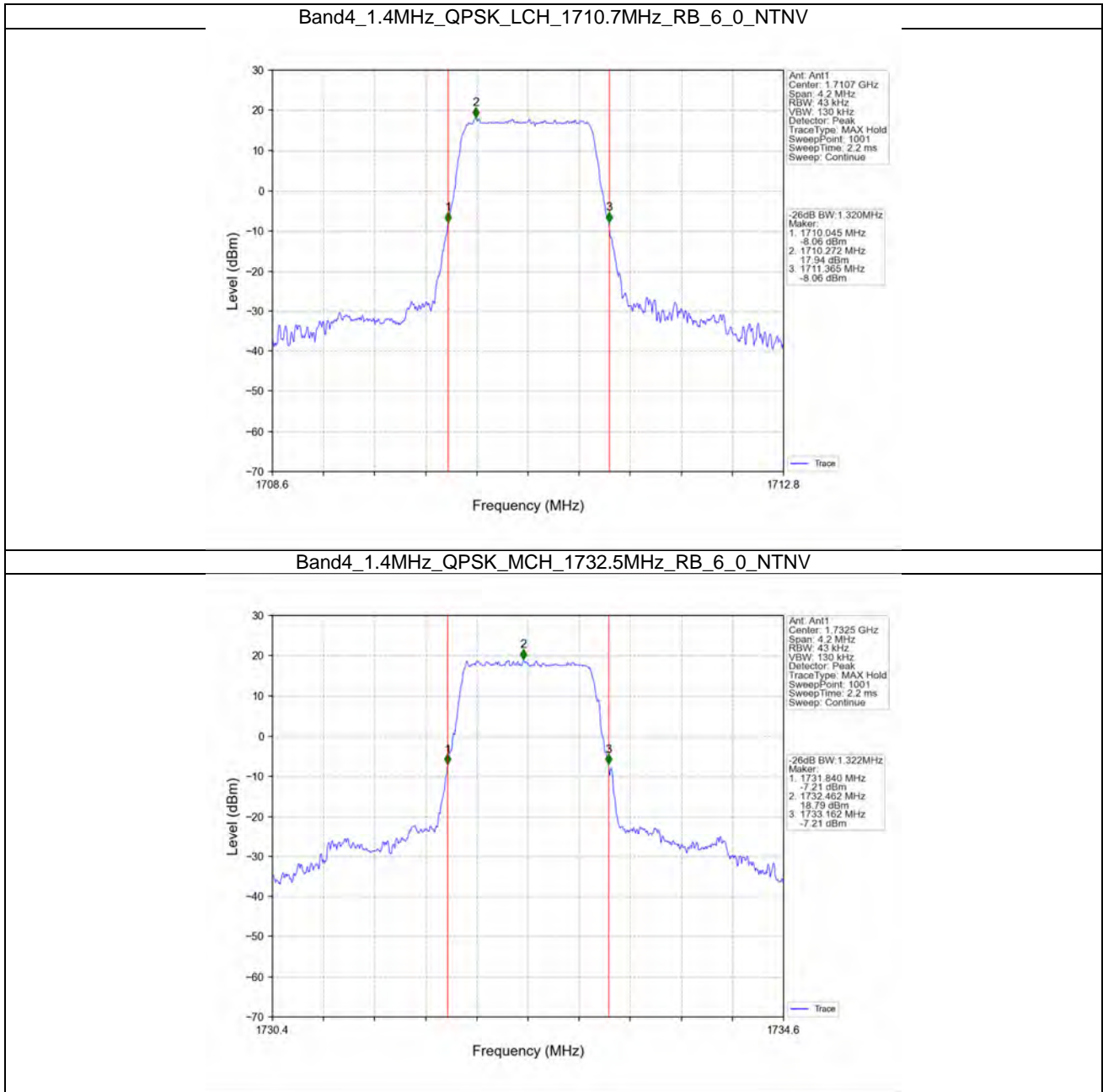
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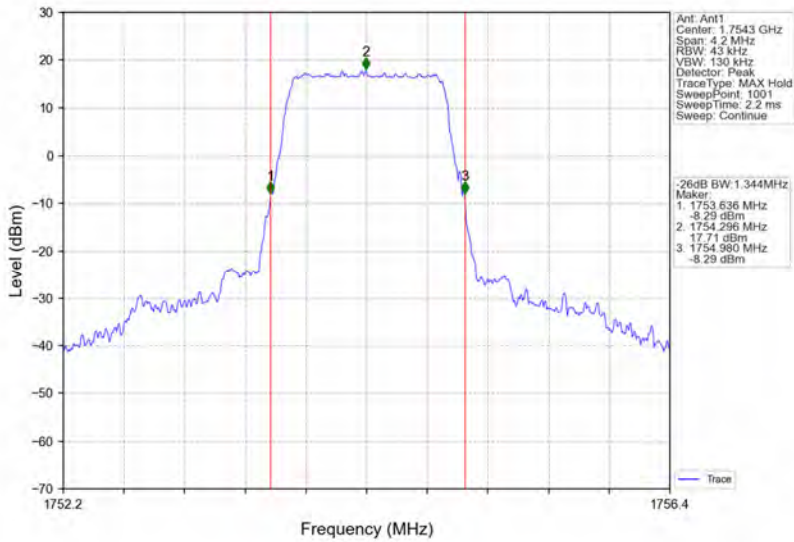
4.2.2 Test Graph



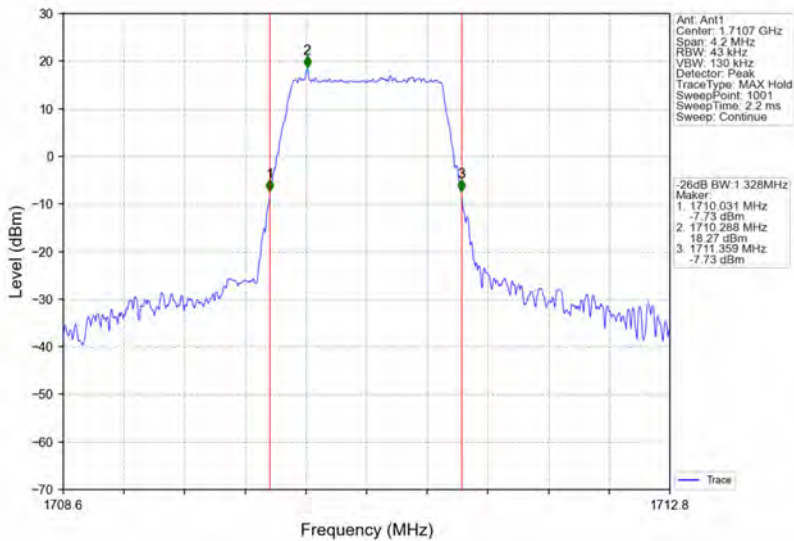
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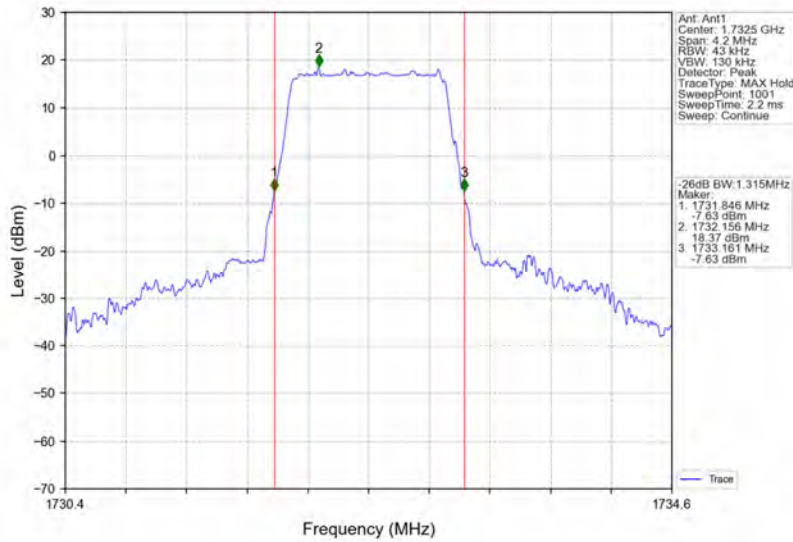
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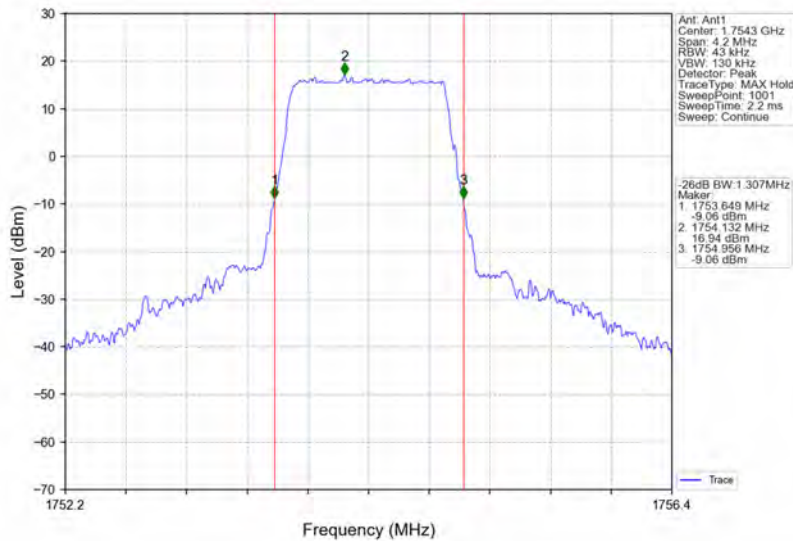


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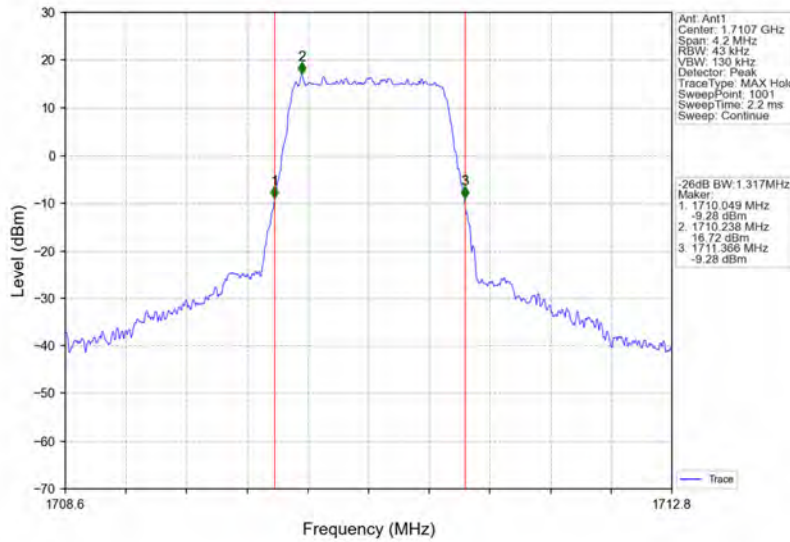
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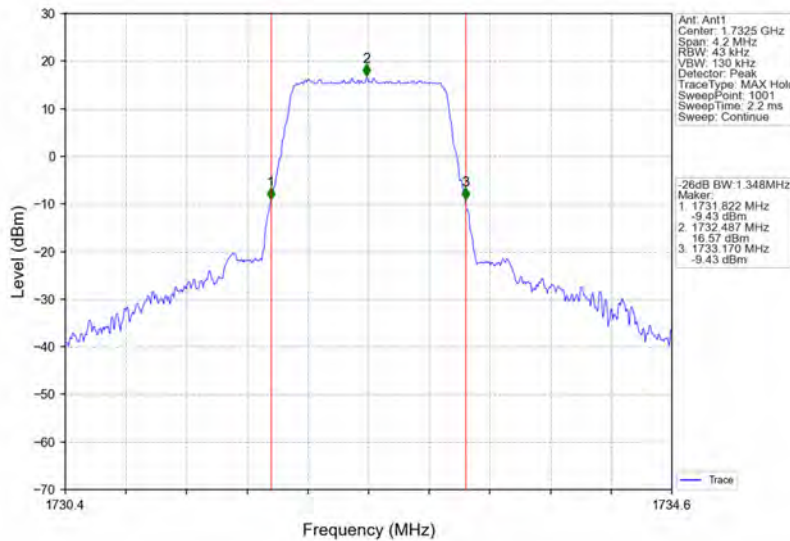
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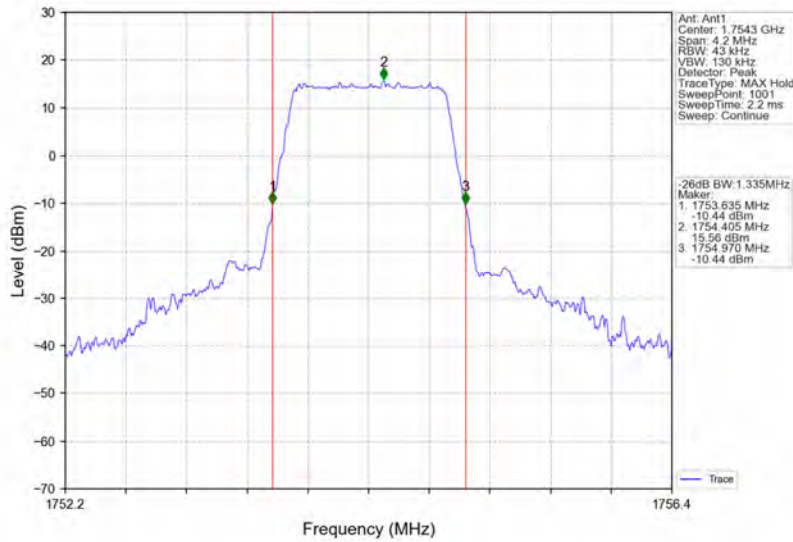
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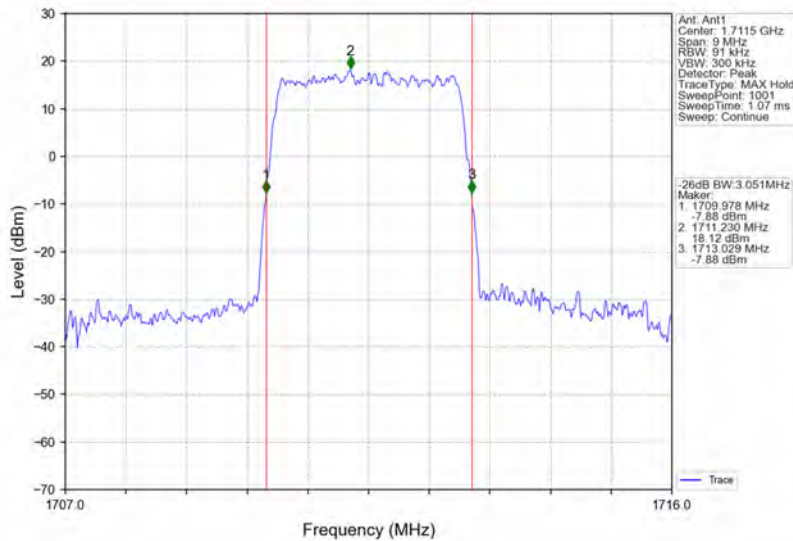


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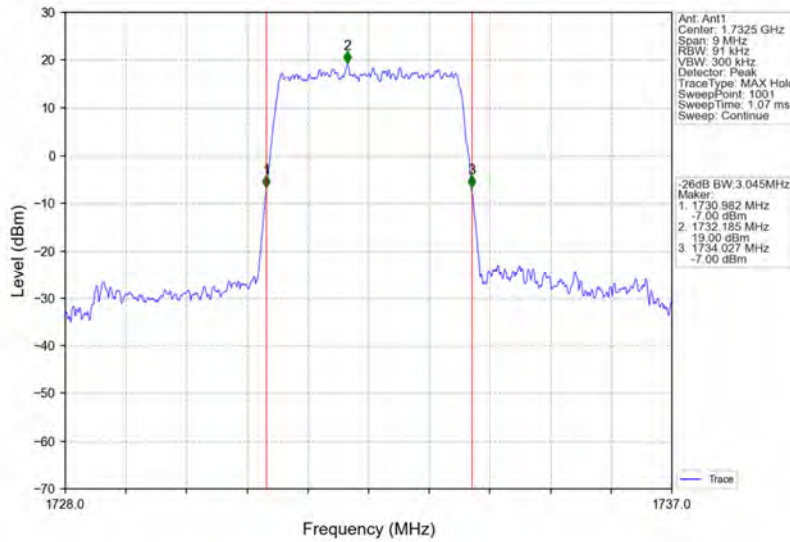
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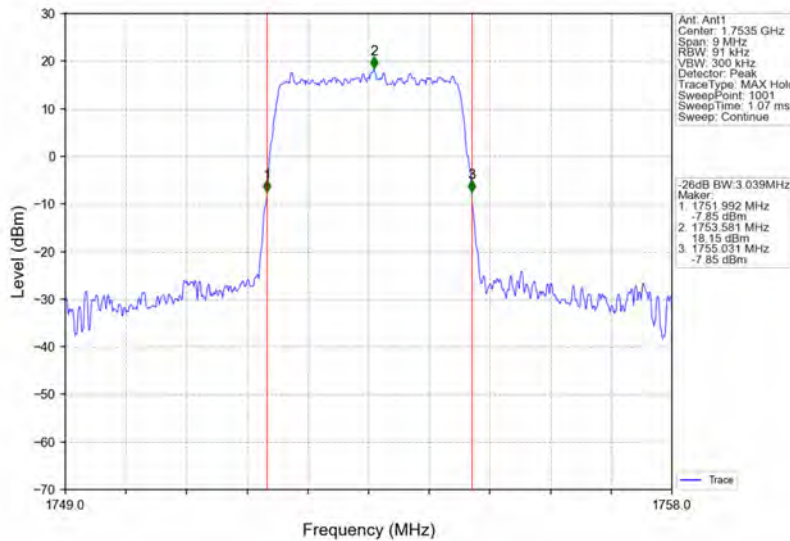
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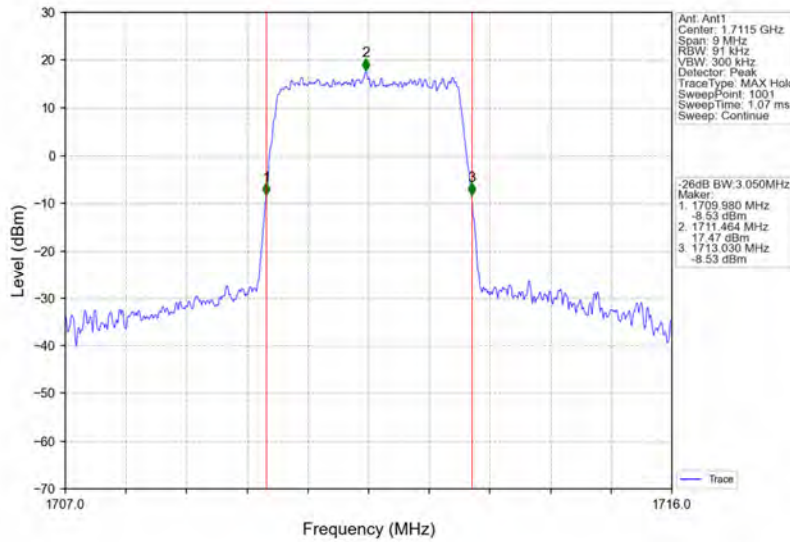
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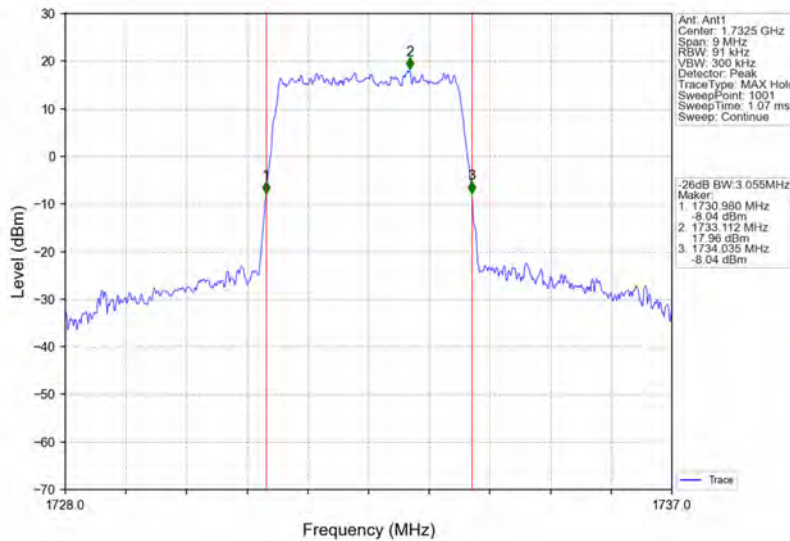
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Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



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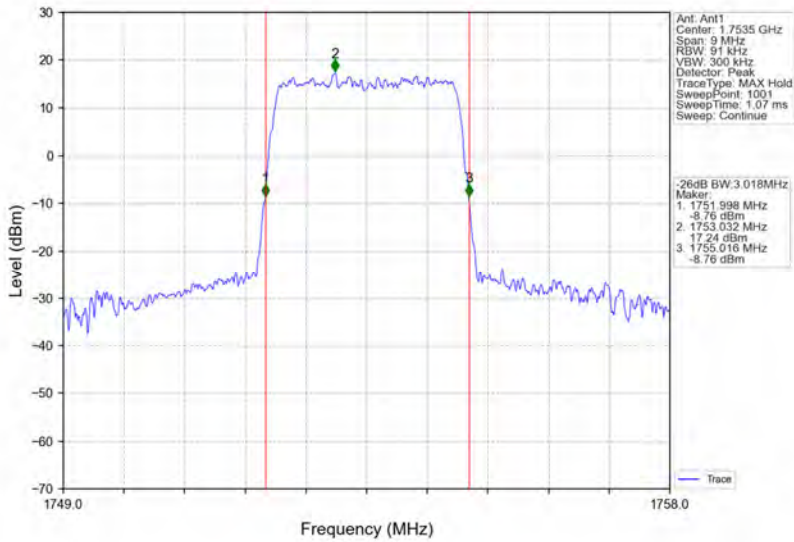
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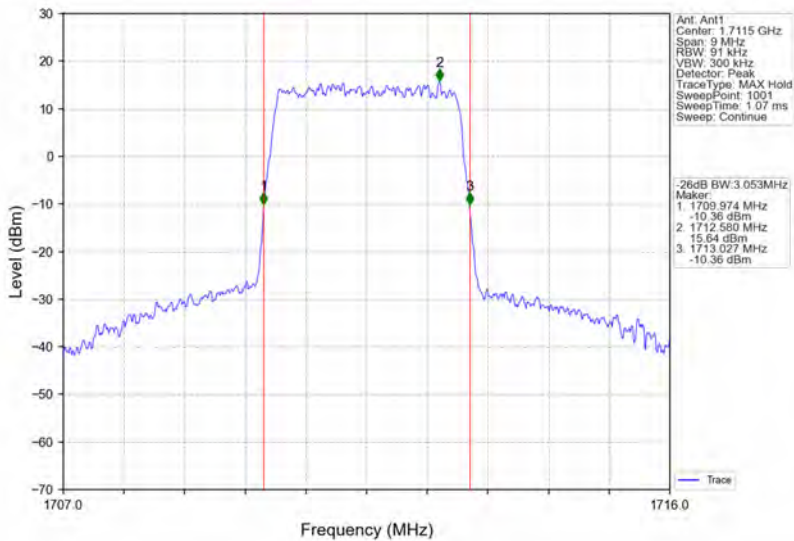


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Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



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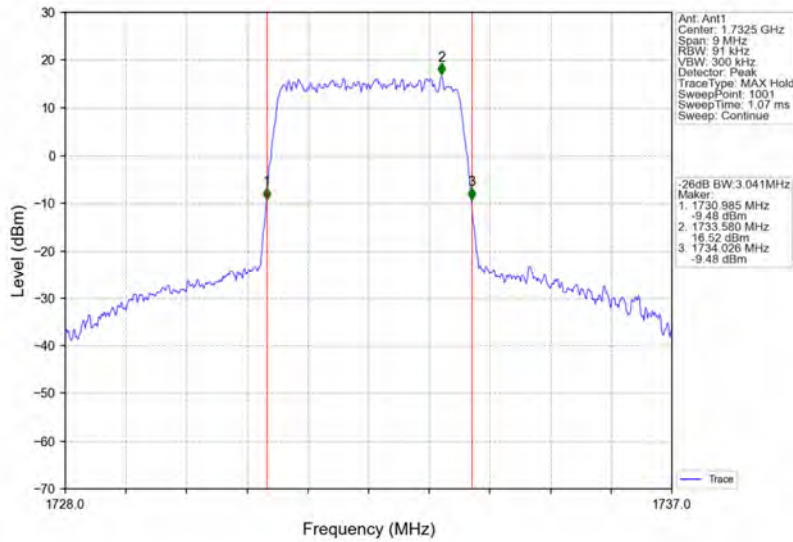
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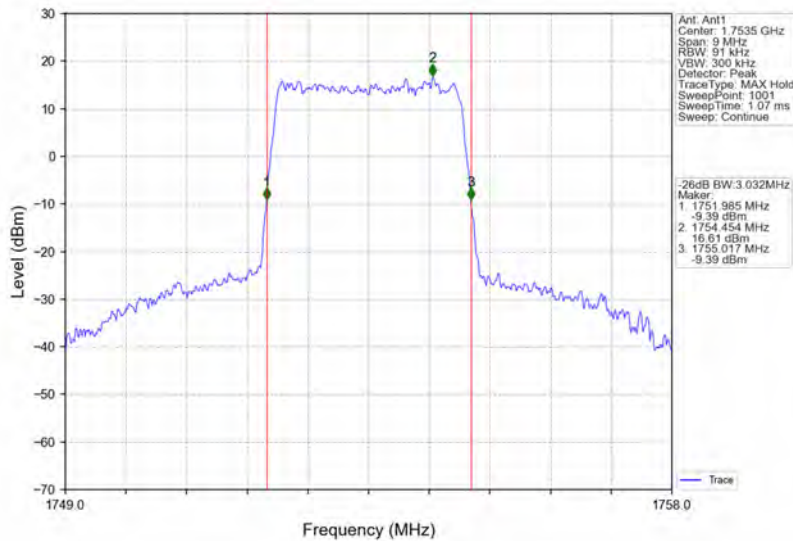


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Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV



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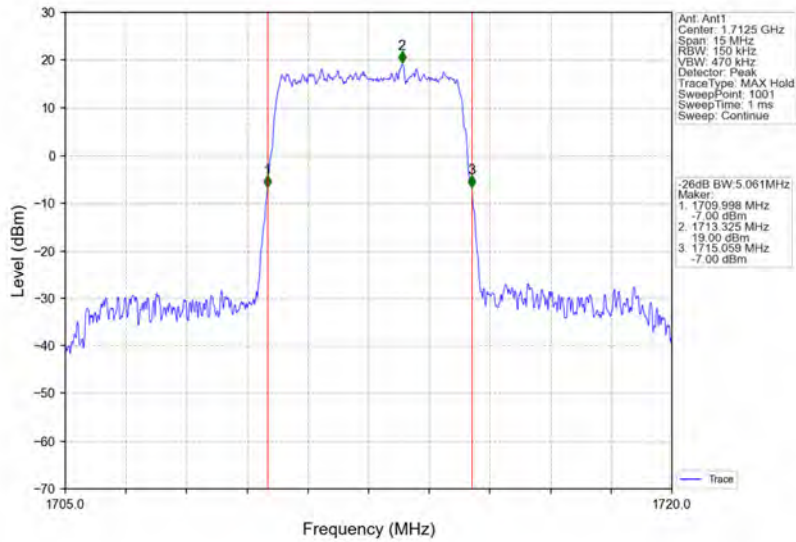
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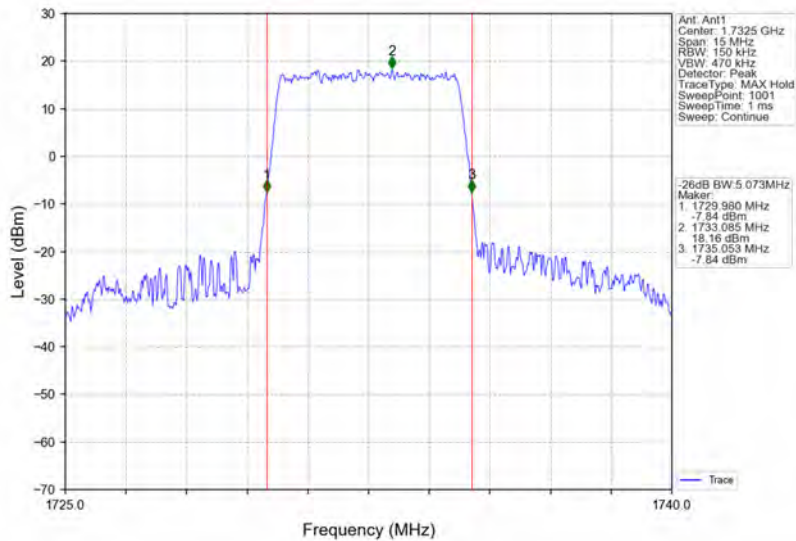
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Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



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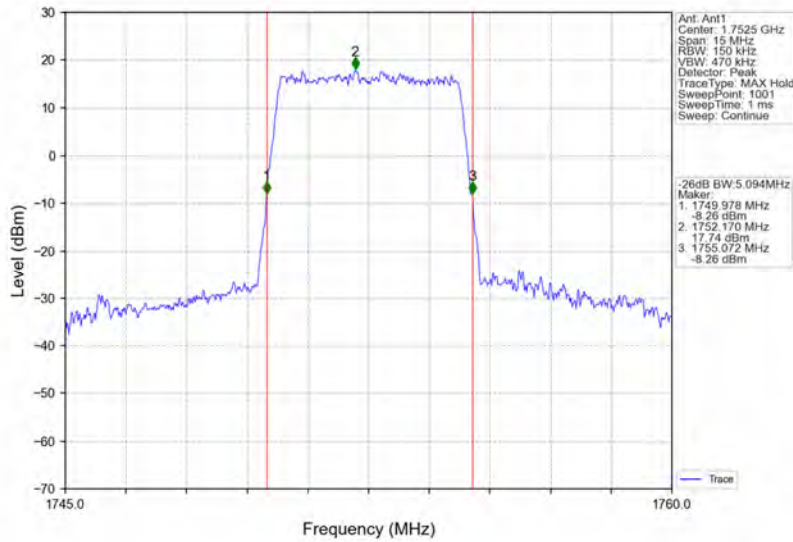
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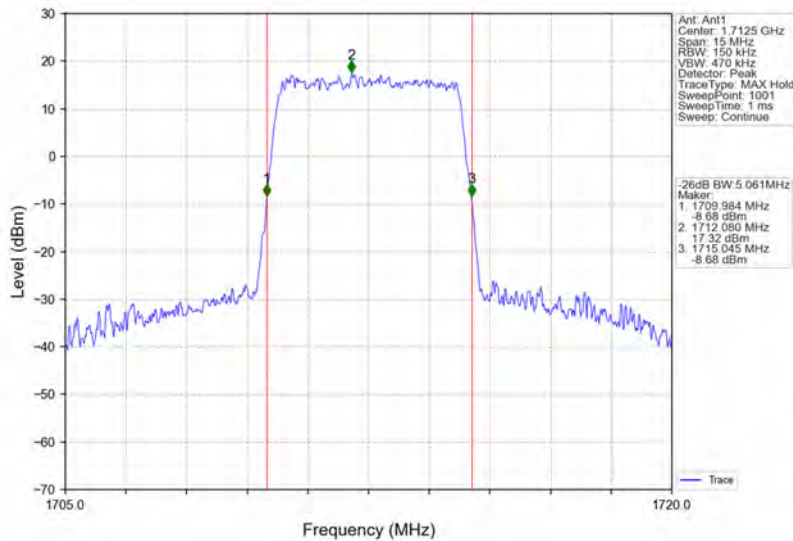


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Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



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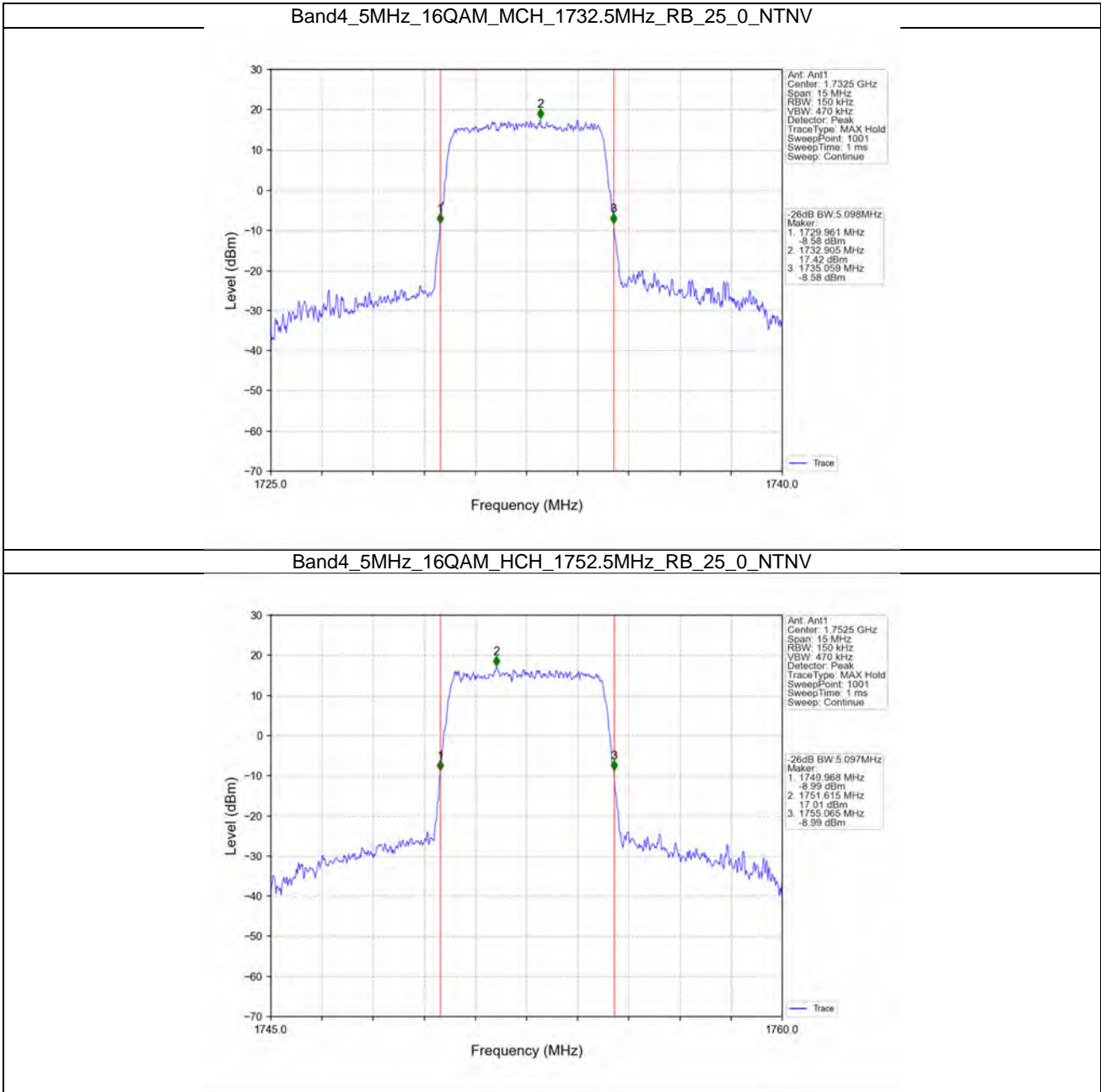
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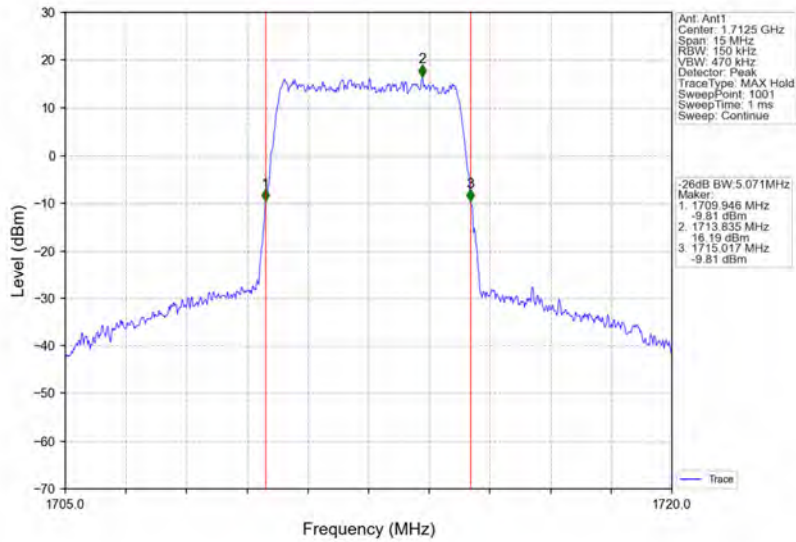
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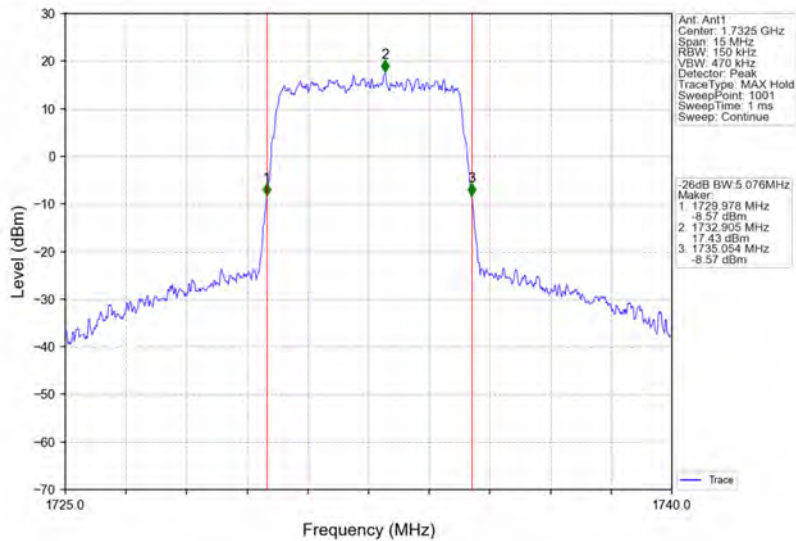
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Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



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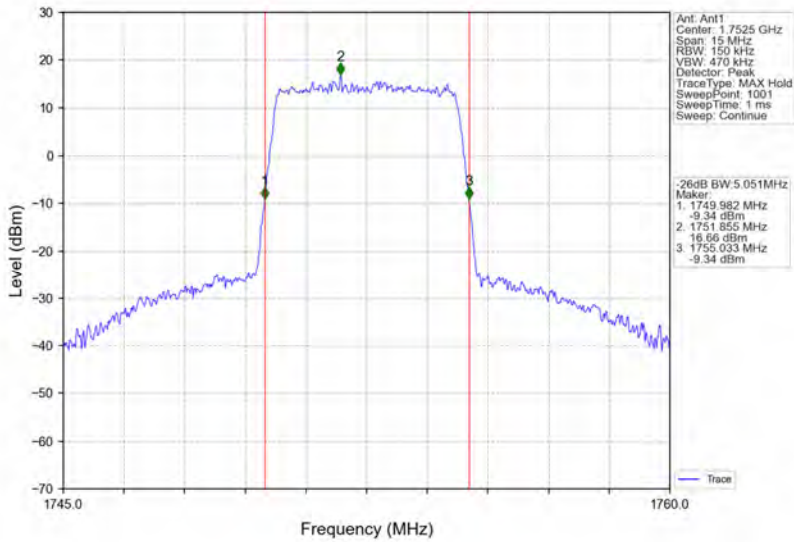
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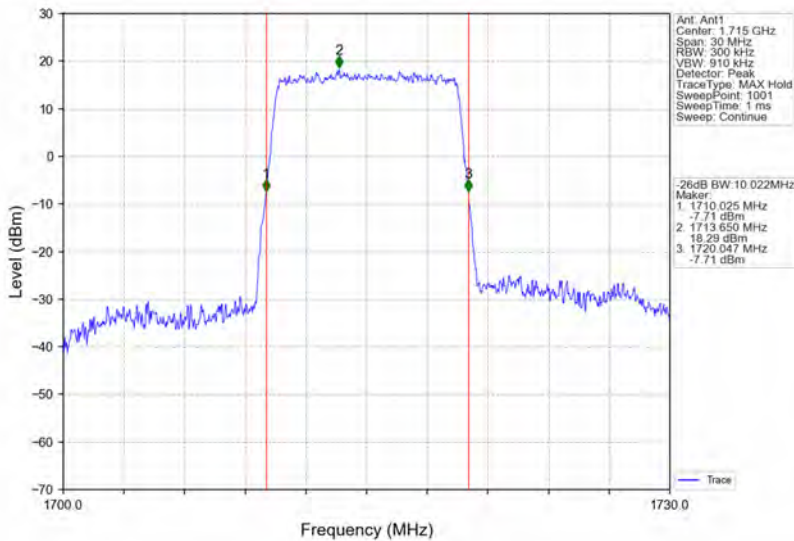


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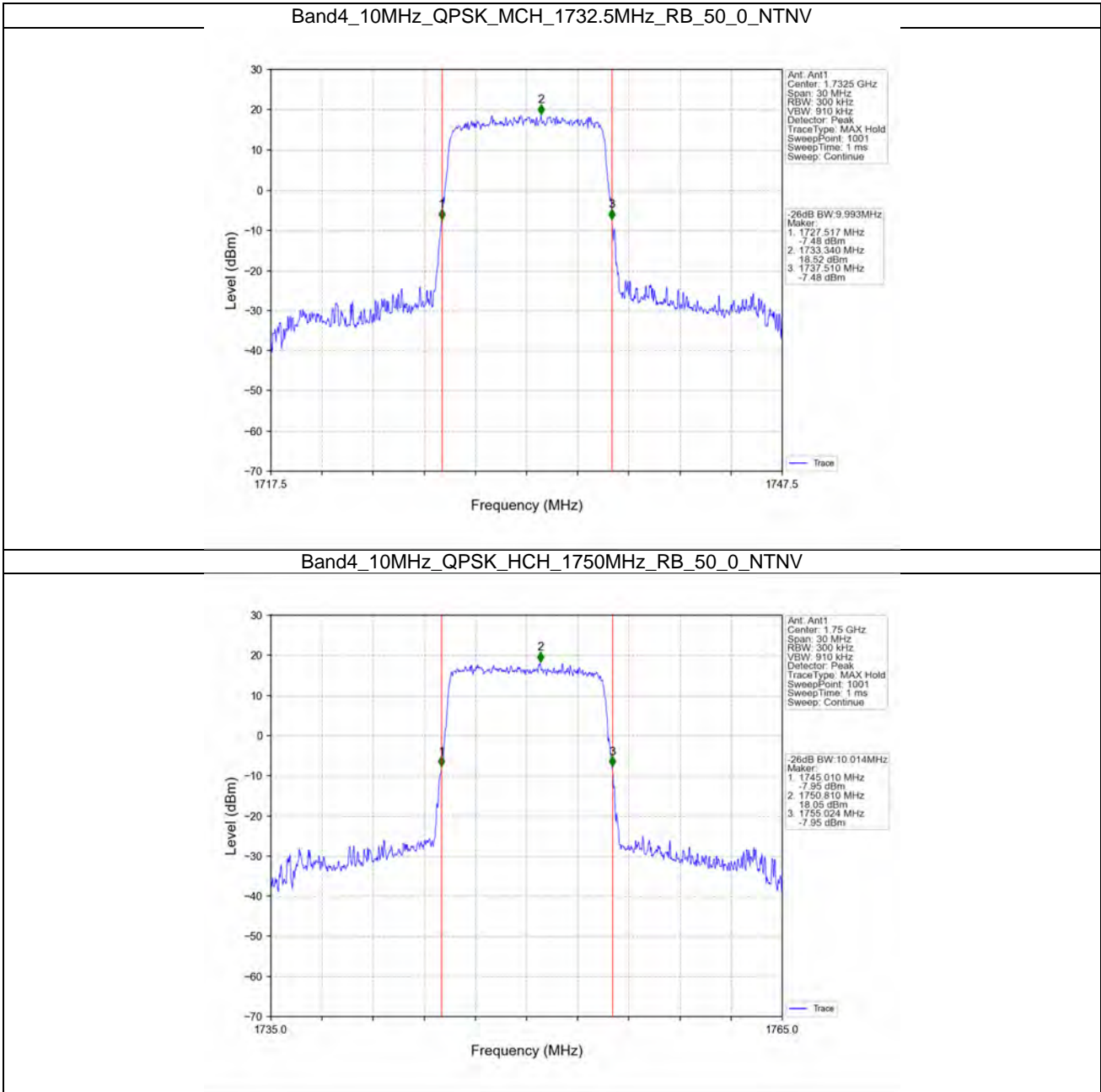
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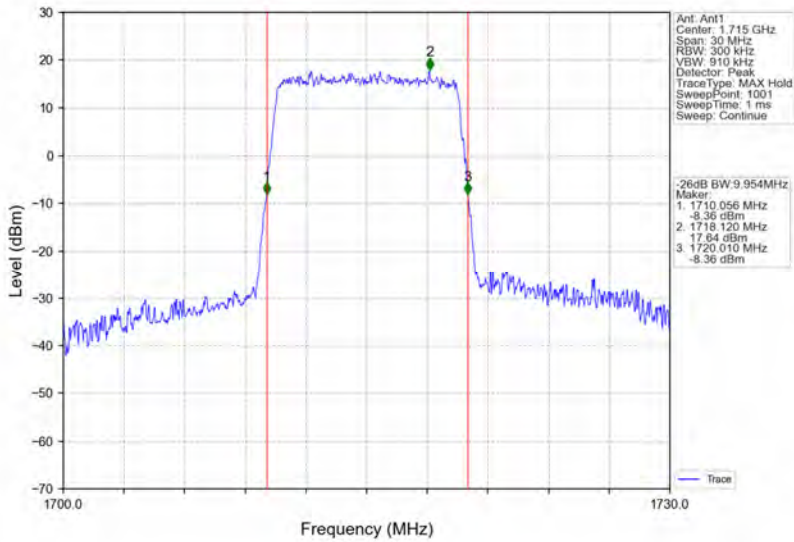
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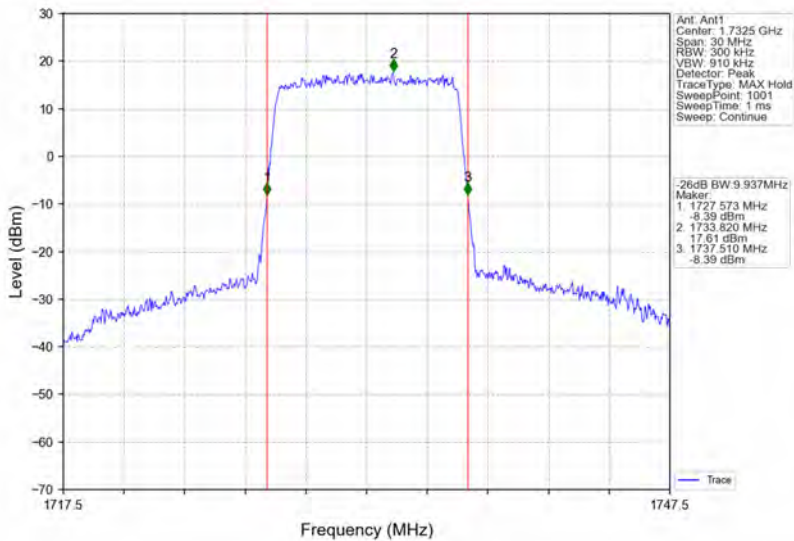
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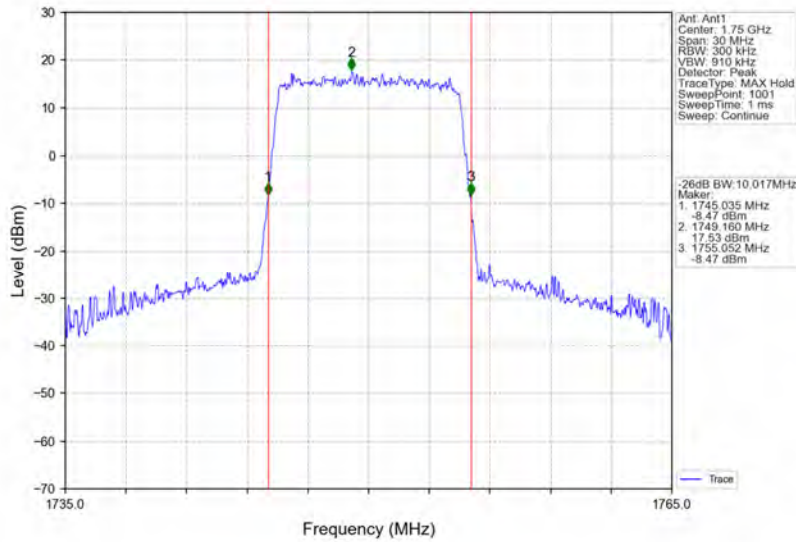
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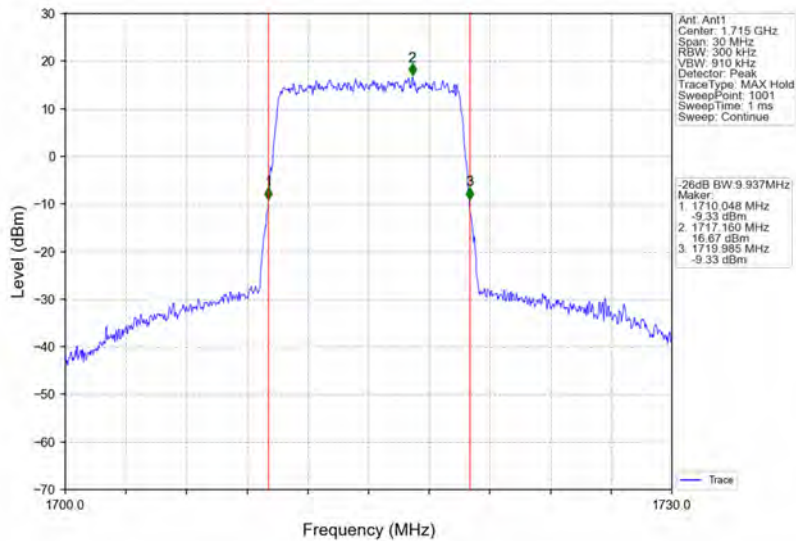
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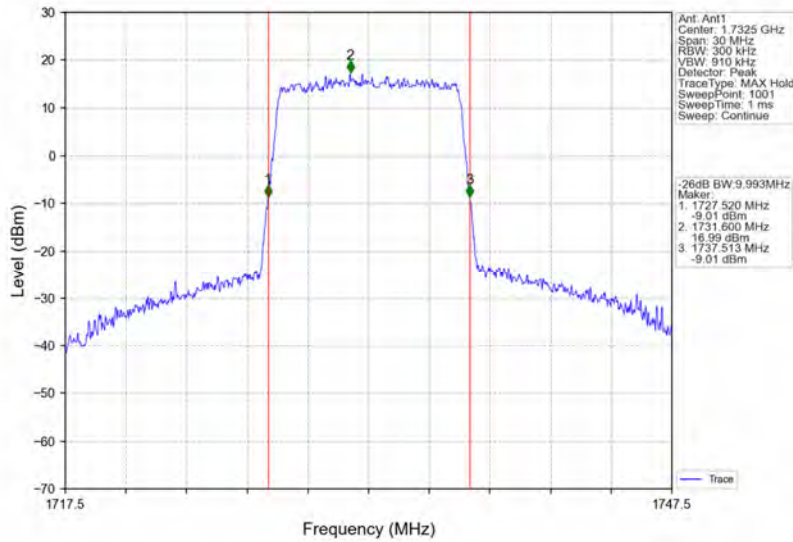
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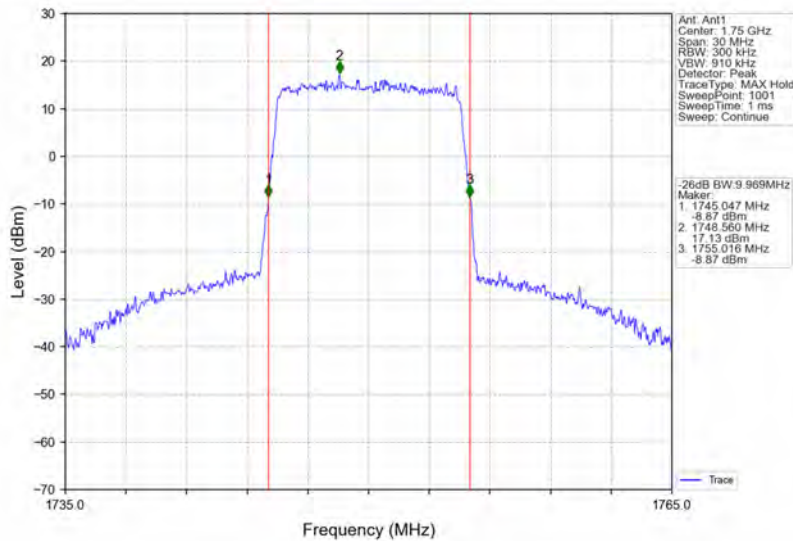
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Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV



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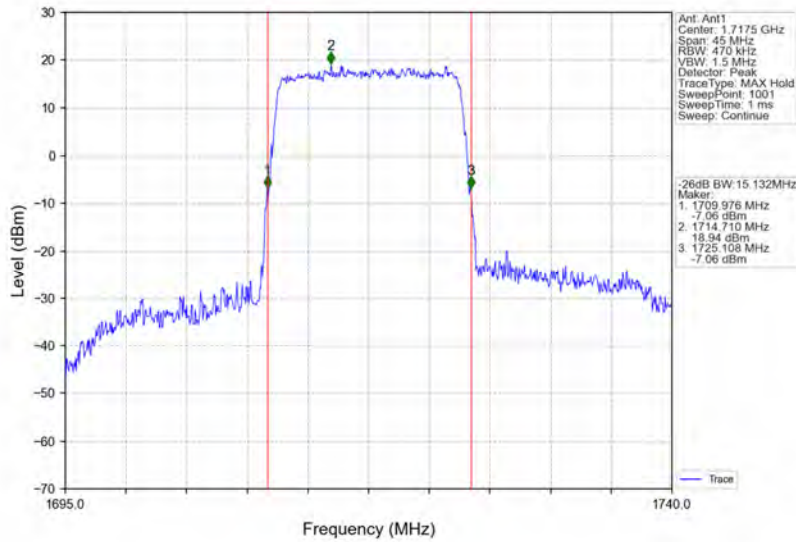
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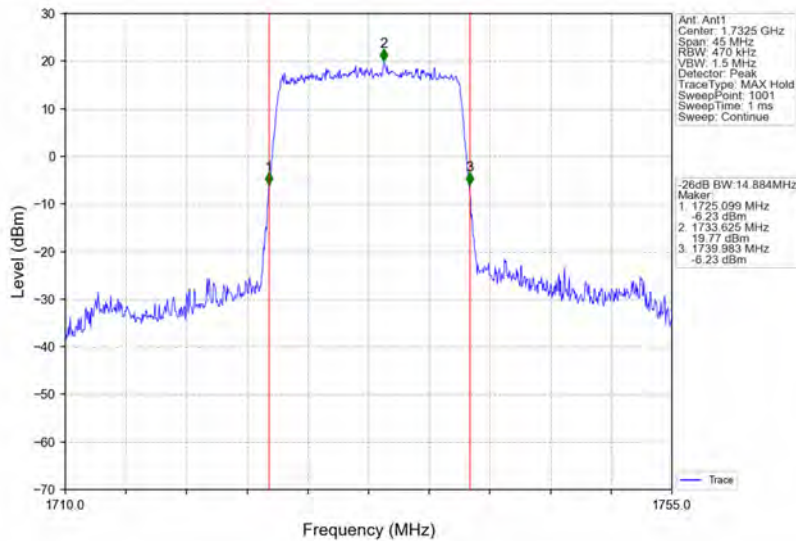
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Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



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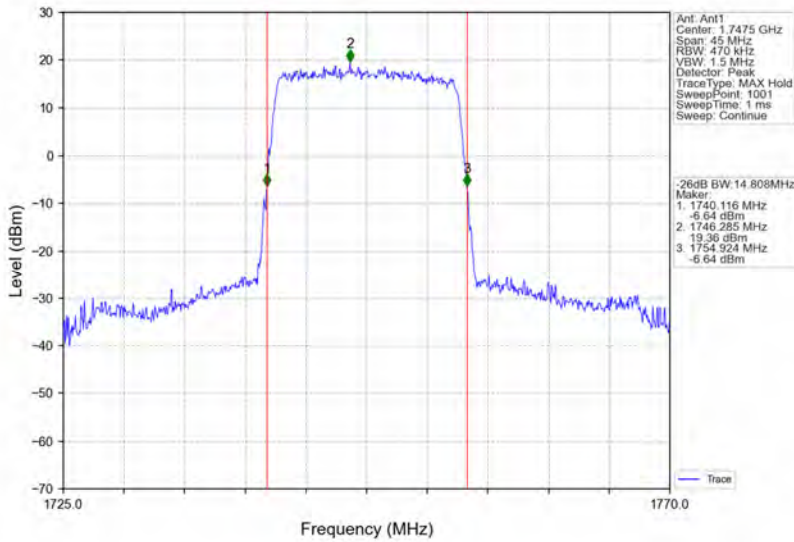
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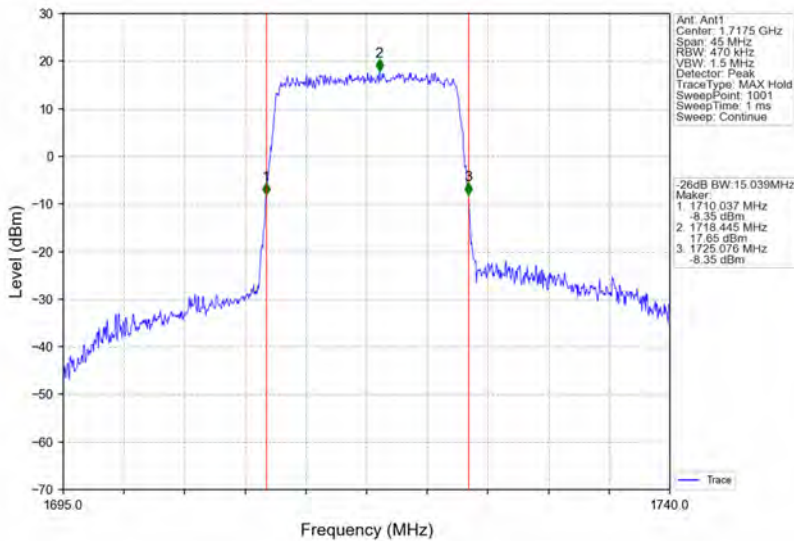
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Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



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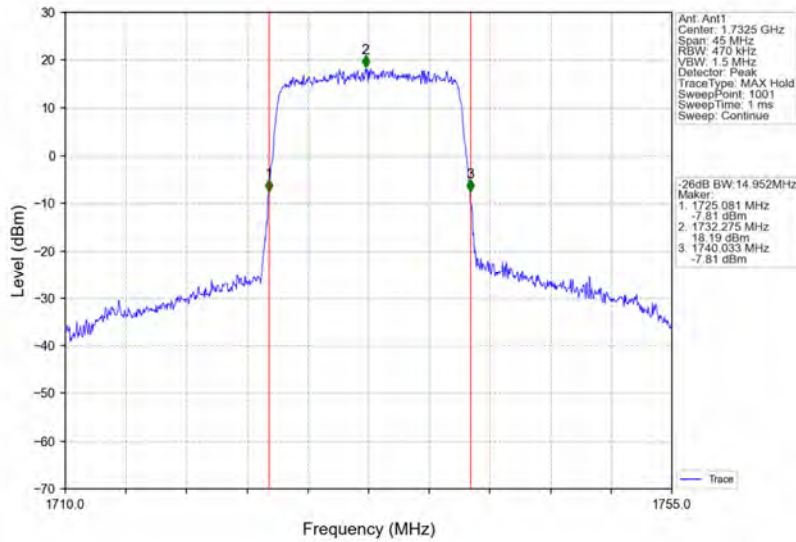
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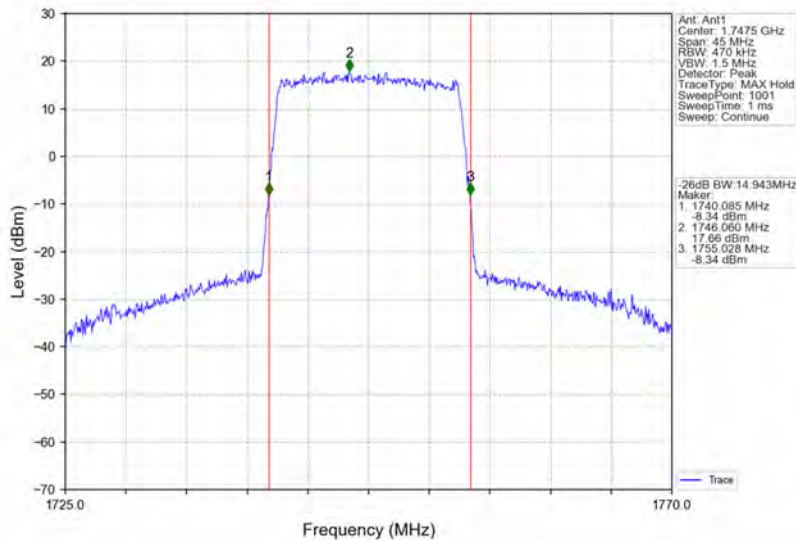
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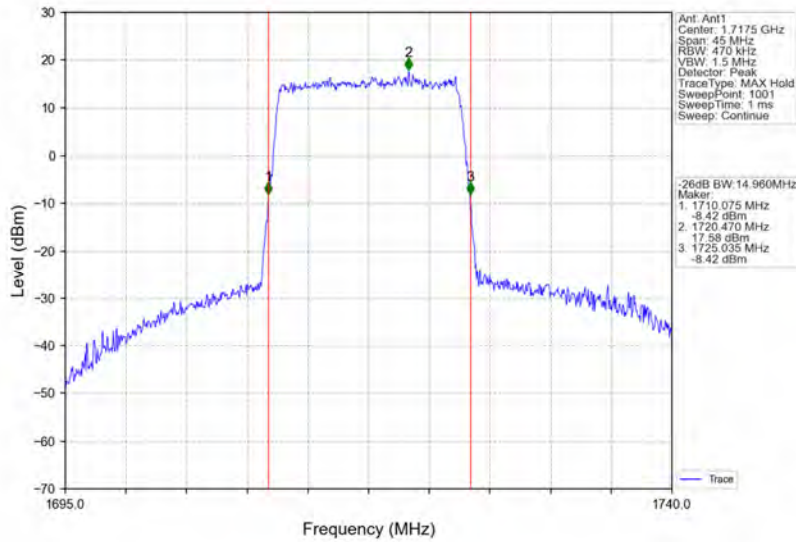
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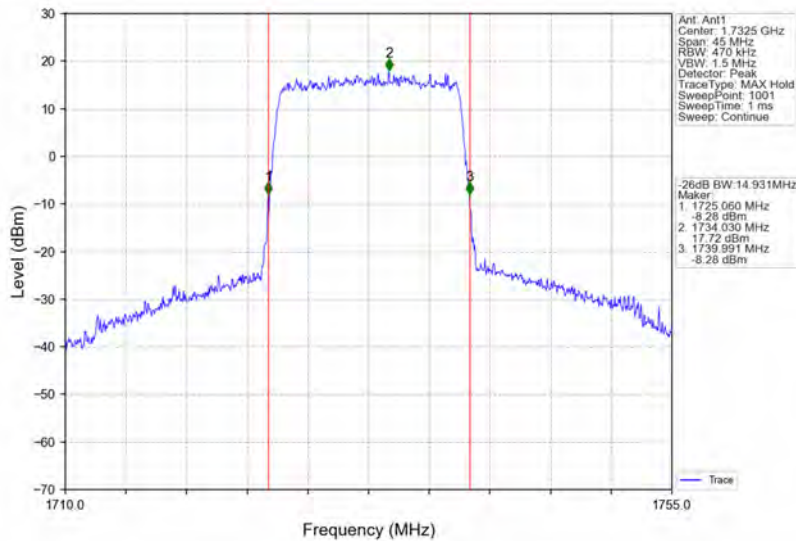
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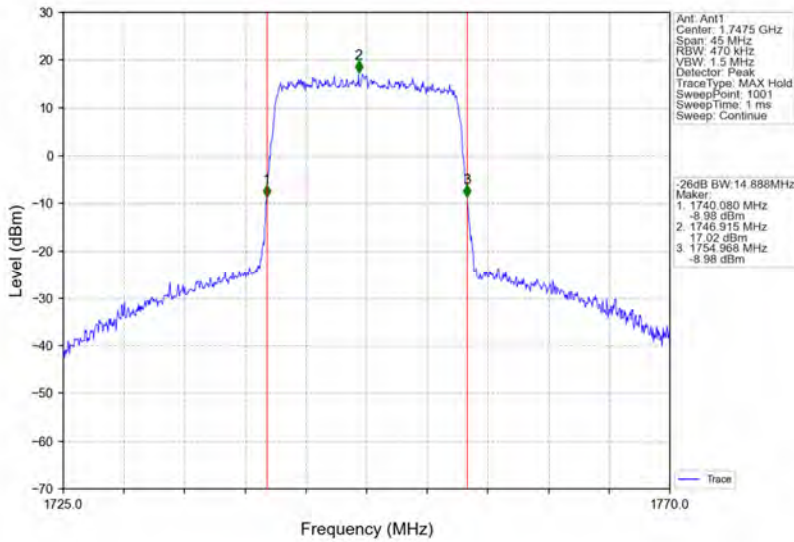
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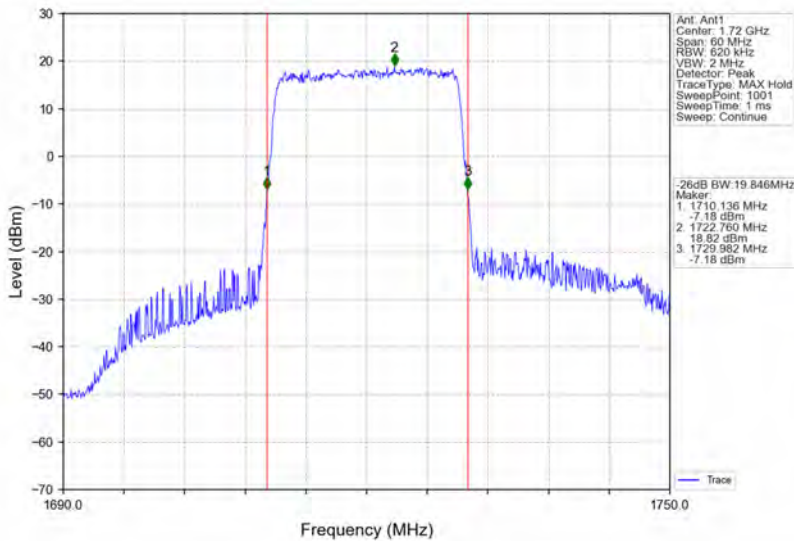


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Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



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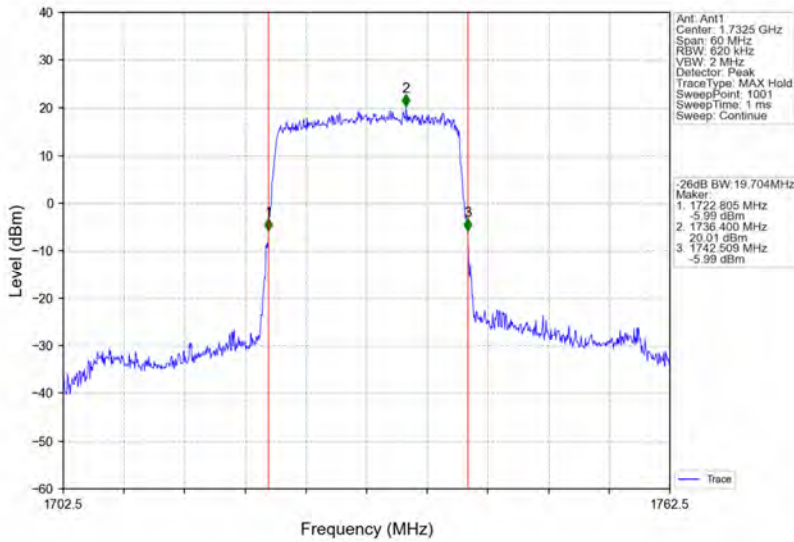
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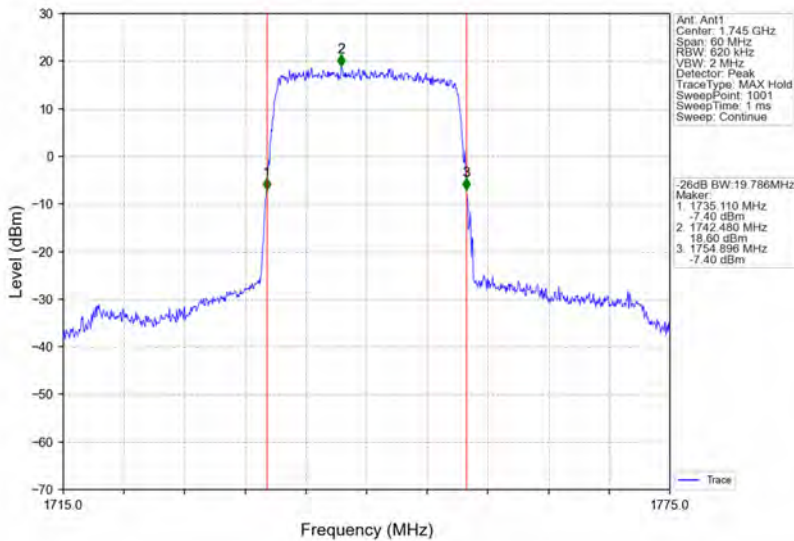


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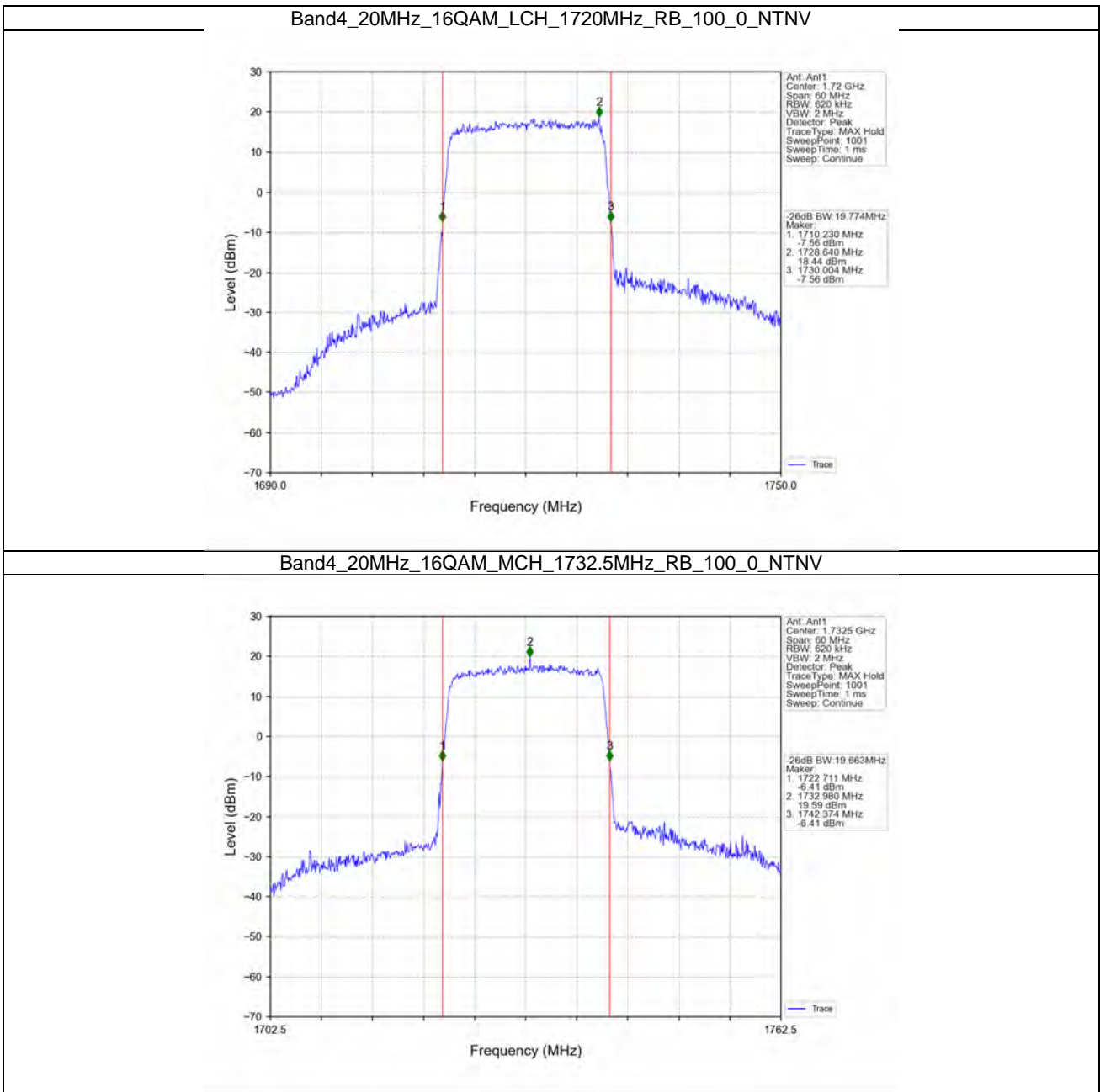
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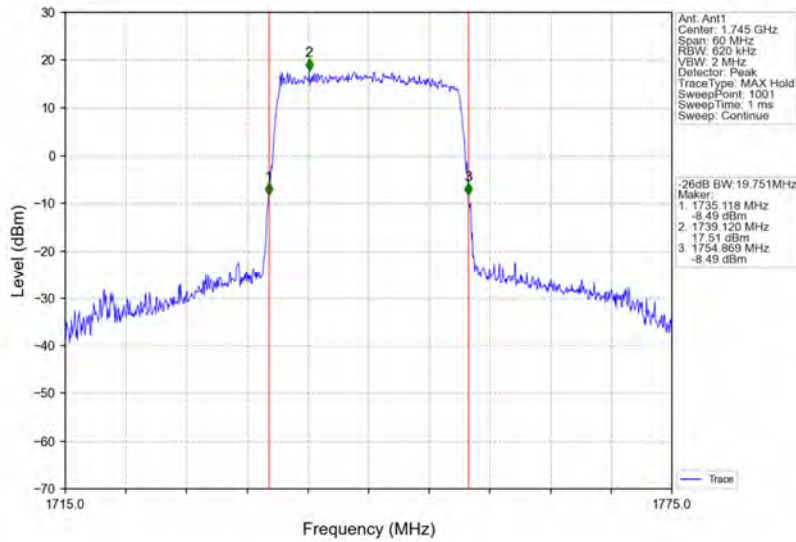
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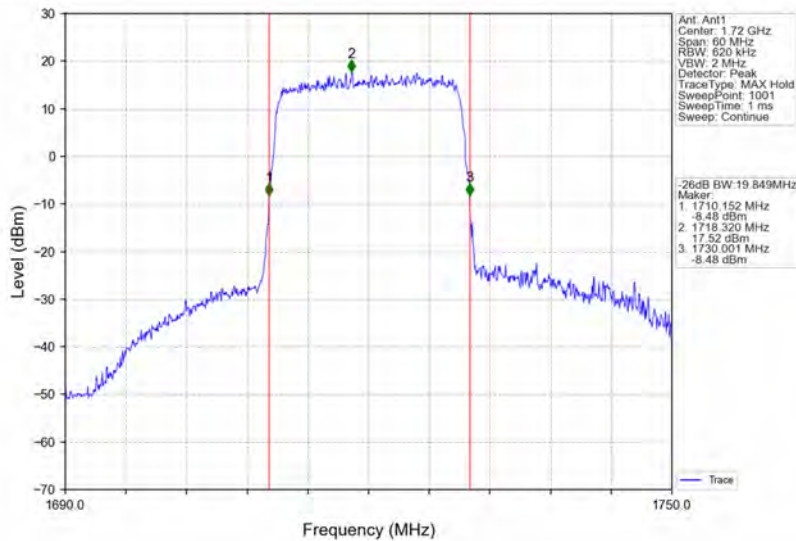
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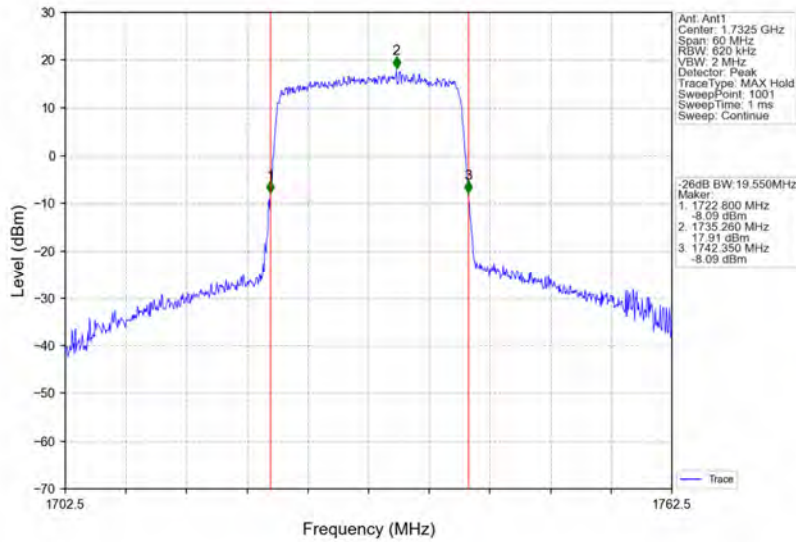
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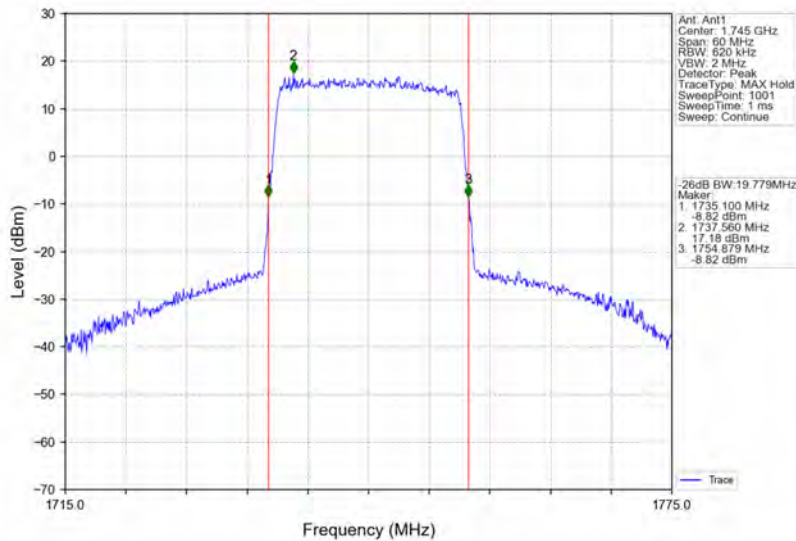


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5. Peak-Average Ratio

5.1 B4_1.4MHz

5.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.74	<=13	Pass
	1732.5	6	0	5.70	<=13	Pass
	1754.3	6	0	5.84	<=13	Pass
16QAM	1710.7	6	0	6.57	<=13	Pass
	1732.5	6	0	6.49	<=13	Pass
	1754.3	6	0	6.61	<=13	Pass
64QAM	1710.7	6	0	6.53	<=13	Pass
	1732.5	6	0	6.92	<=13	Pass
	1754.3	6	0	6.93	<=13	Pass



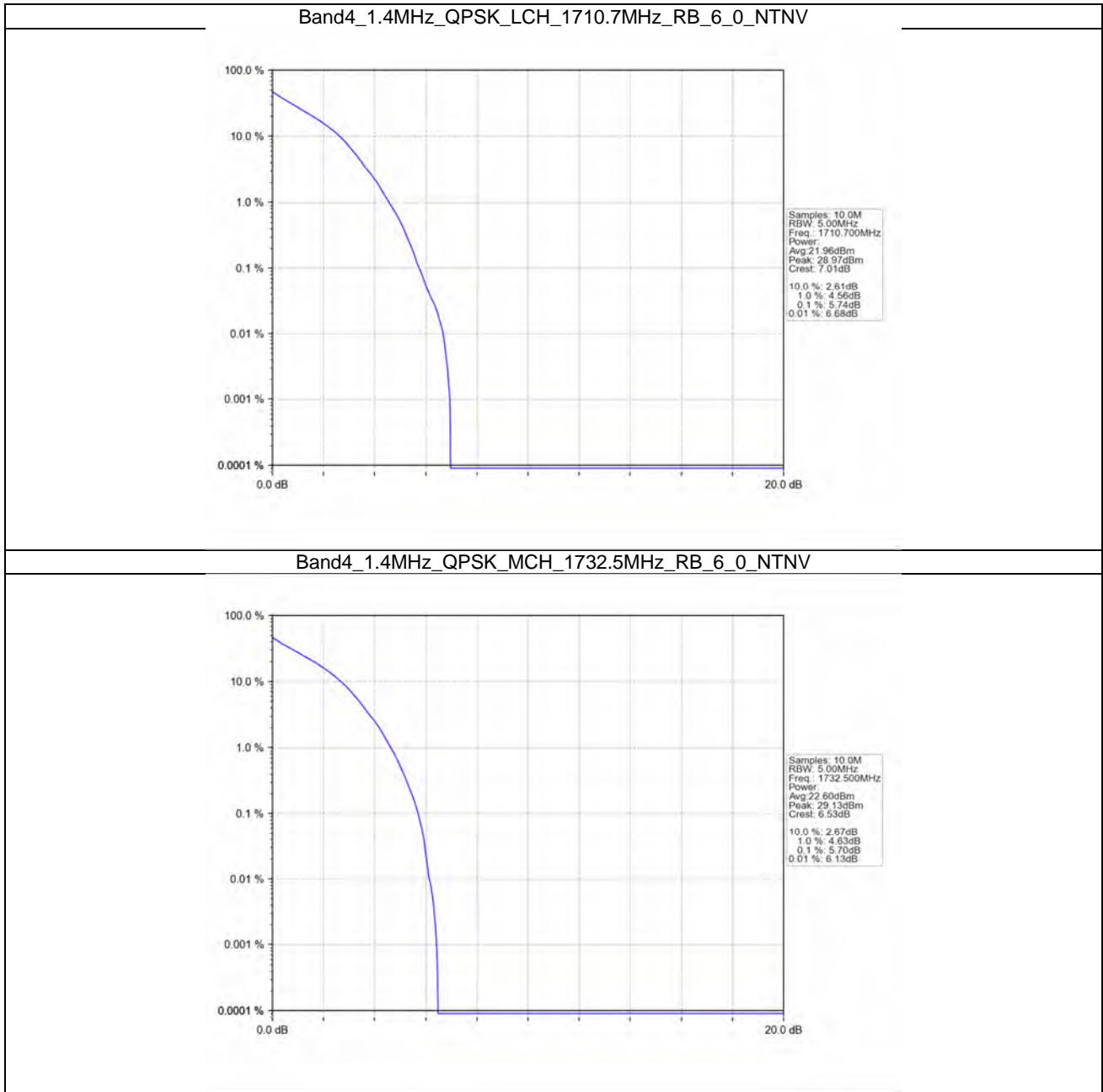
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5.1.2 Test Graph



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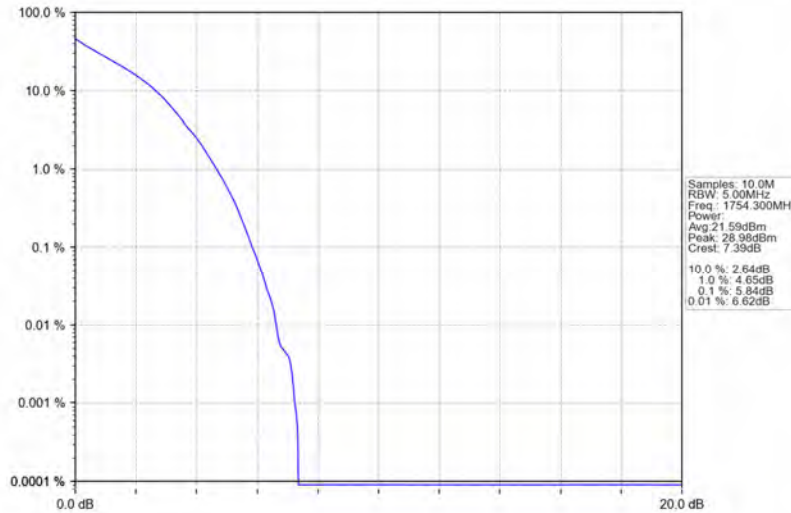
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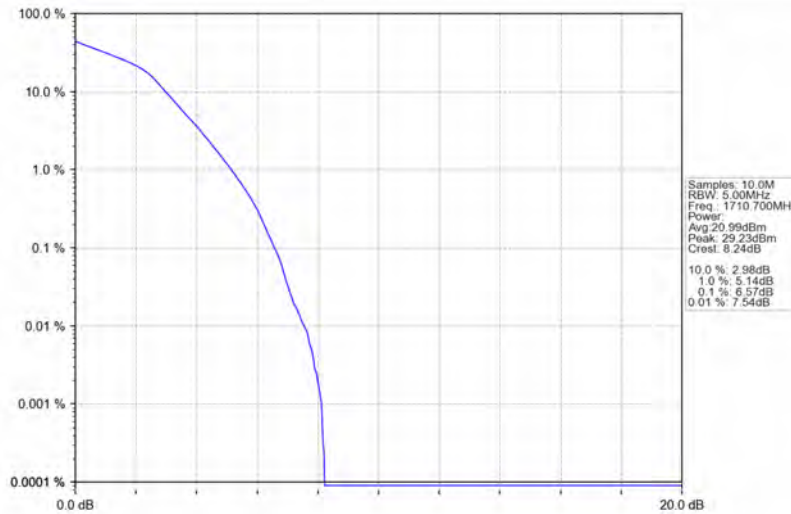
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Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



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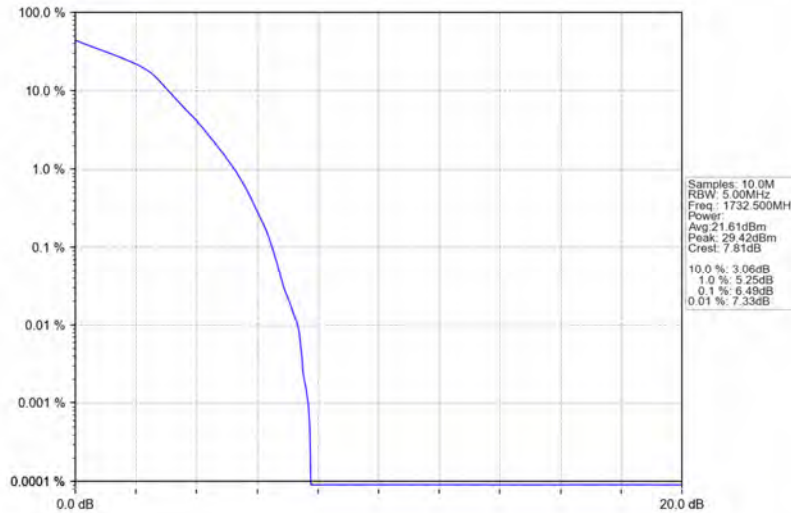
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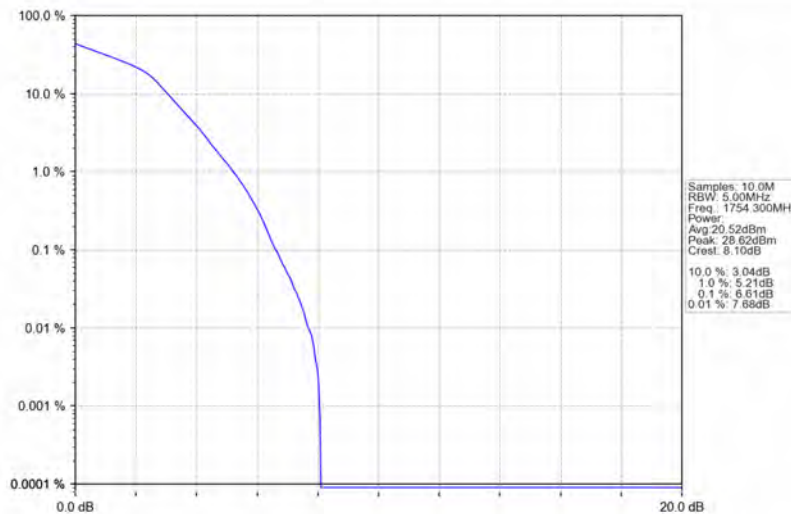
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Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



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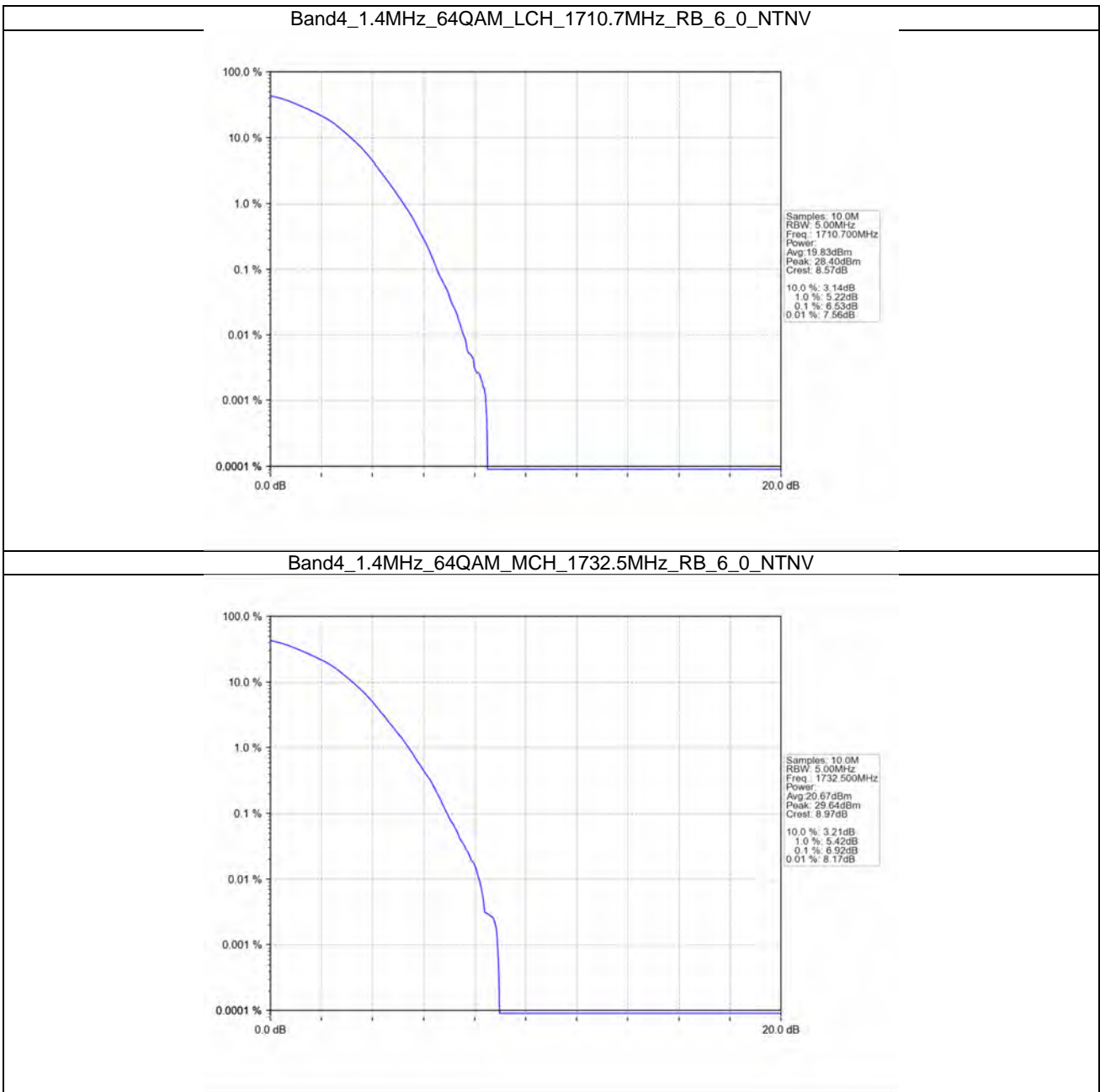
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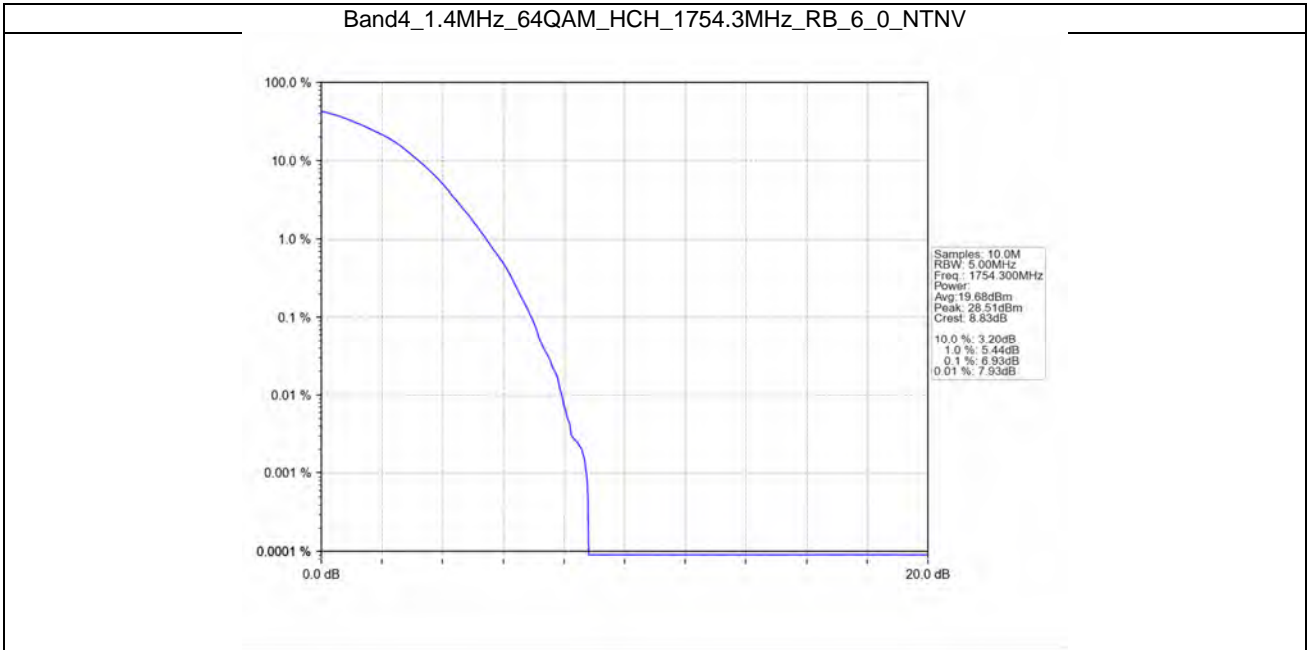
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5.2 B4_3MHz

5.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.73	<=13	Pass
	1732.5	15	0	5.71	<=13	Pass
	1753.5	15	0	5.90	<=13	Pass
16QAM	1711.5	15	0	6.56	<=13	Pass
	1732.5	15	0	6.50	<=13	Pass
	1753.5	15	0	6.64	<=13	Pass
64QAM	1711.5	15	0	6.75	<=13	Pass
	1732.5	15	0	6.88	<=13	Pass
	1753.5	15	0	6.88	<=13	Pass



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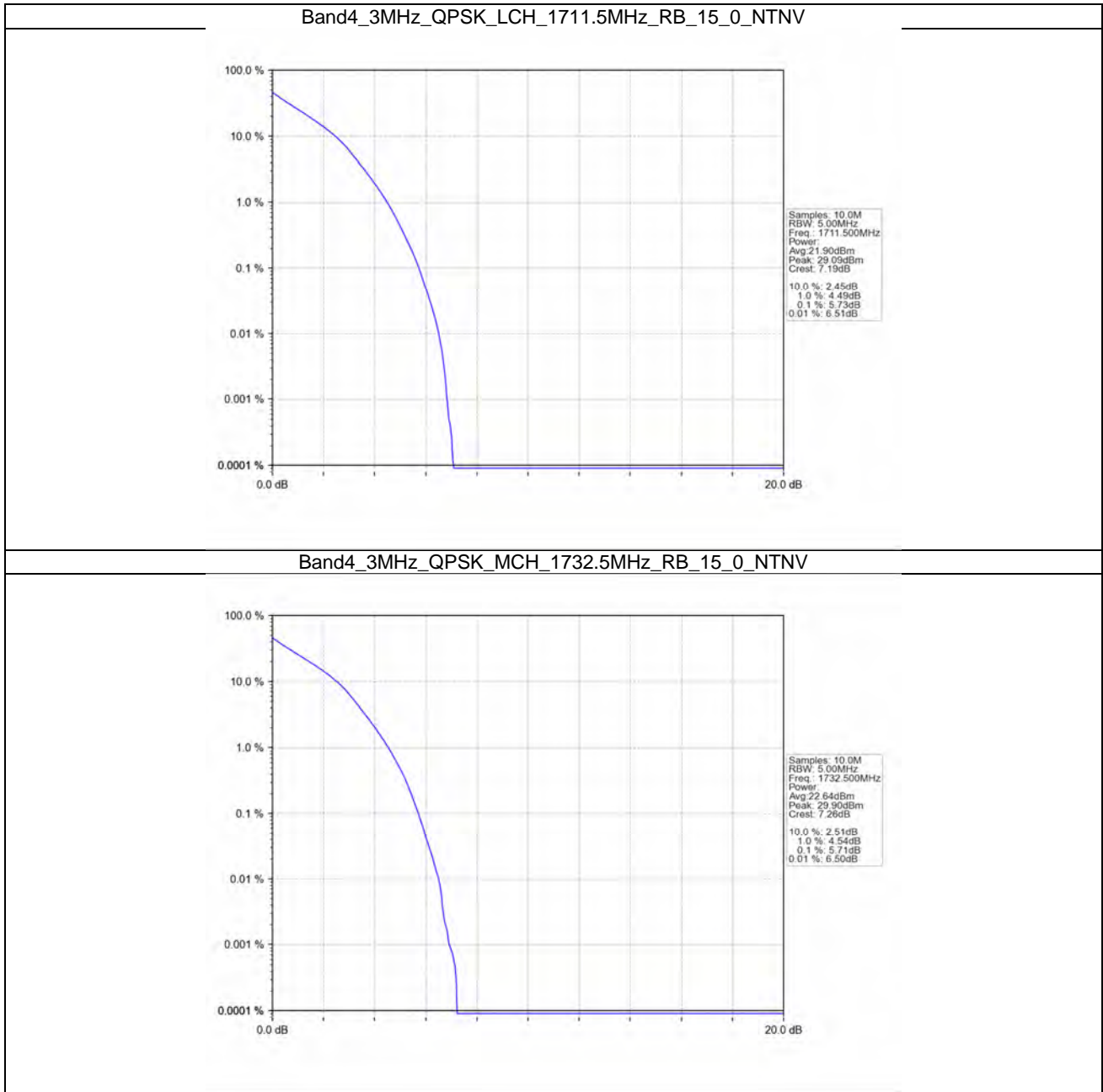
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5.2.2 Test Graph

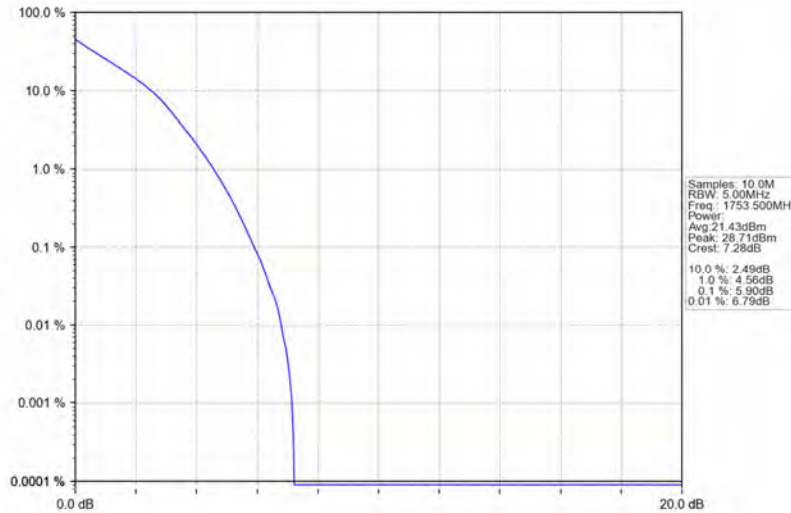


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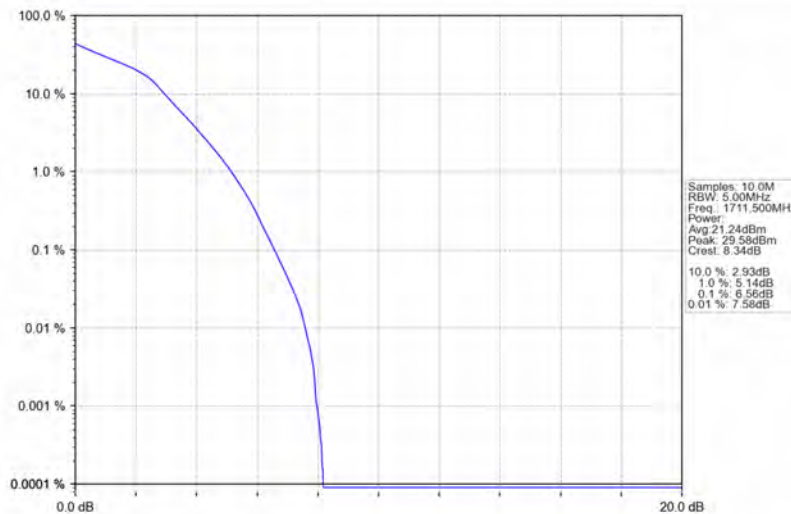
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Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



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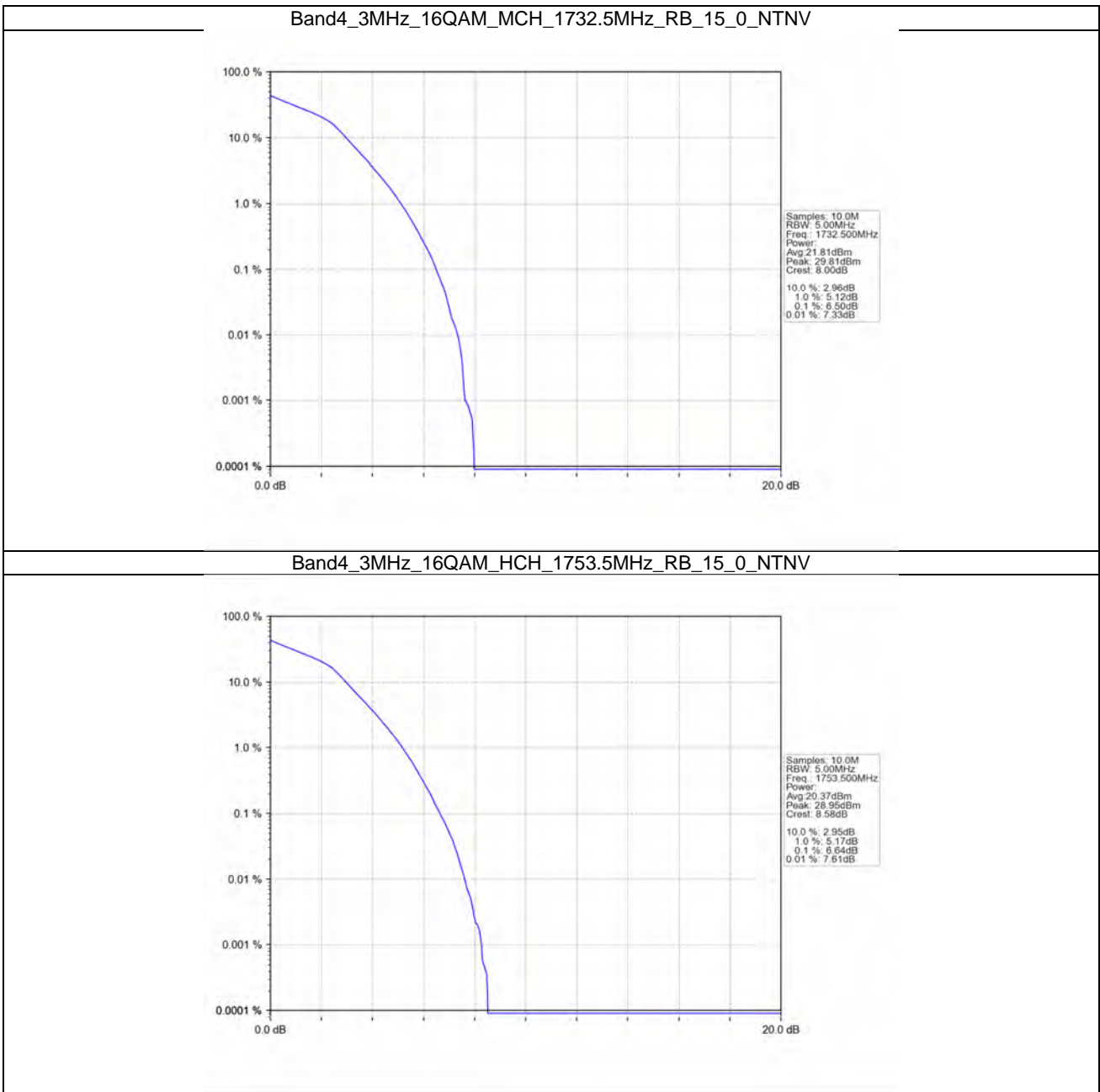
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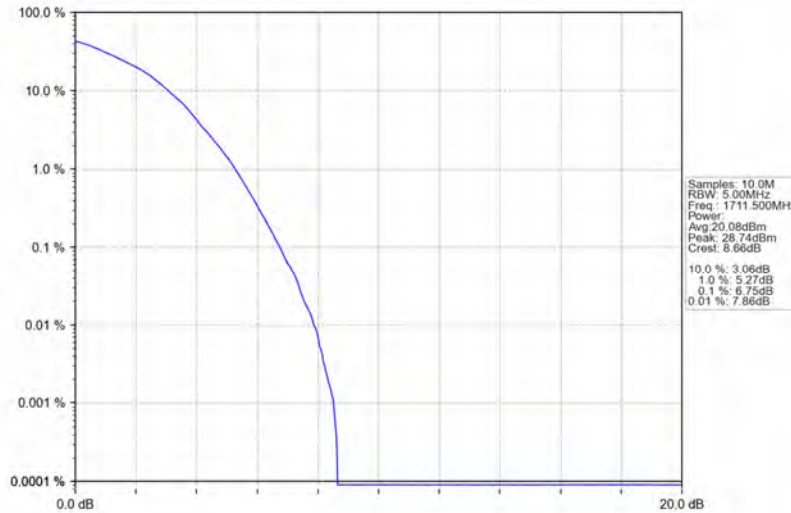
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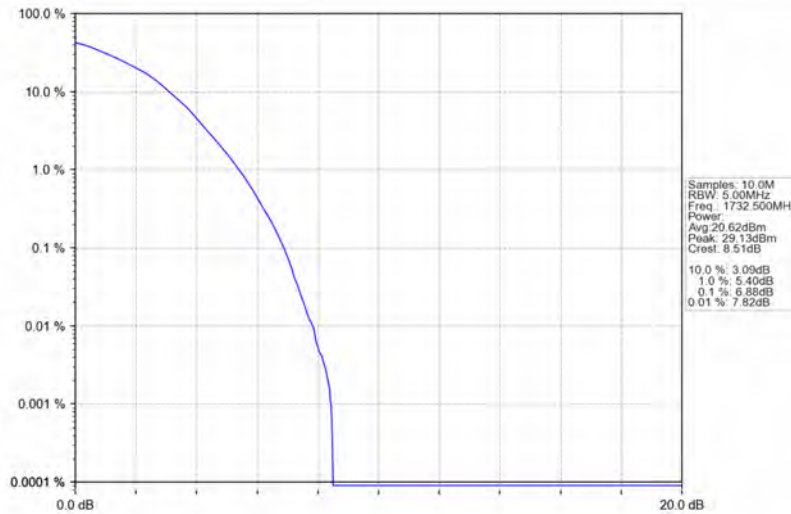
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Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV



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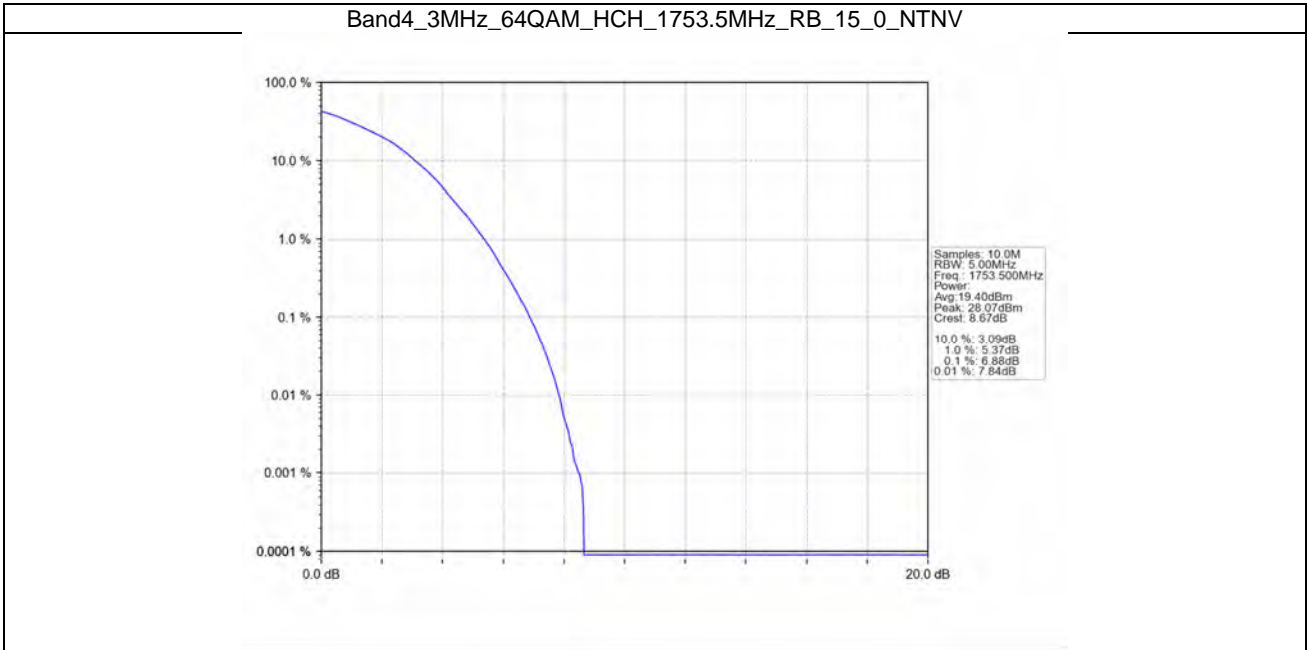
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5.3 B4_5MHz

5.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.75	<=13	Pass
	1732.5	25	0	5.72	<=13	Pass
	1752.5	25	0	5.77	<=13	Pass
16QAM	1712.5	25	0	6.44	<=13	Pass
	1732.5	25	0	6.43	<=13	Pass
	1752.5	25	0	6.56	<=13	Pass
64QAM	1712.5	25	0	6.68	<=13	Pass
	1732.5	25	0	6.66	<=13	Pass
	1752.5	25	0	6.75	<=13	Pass



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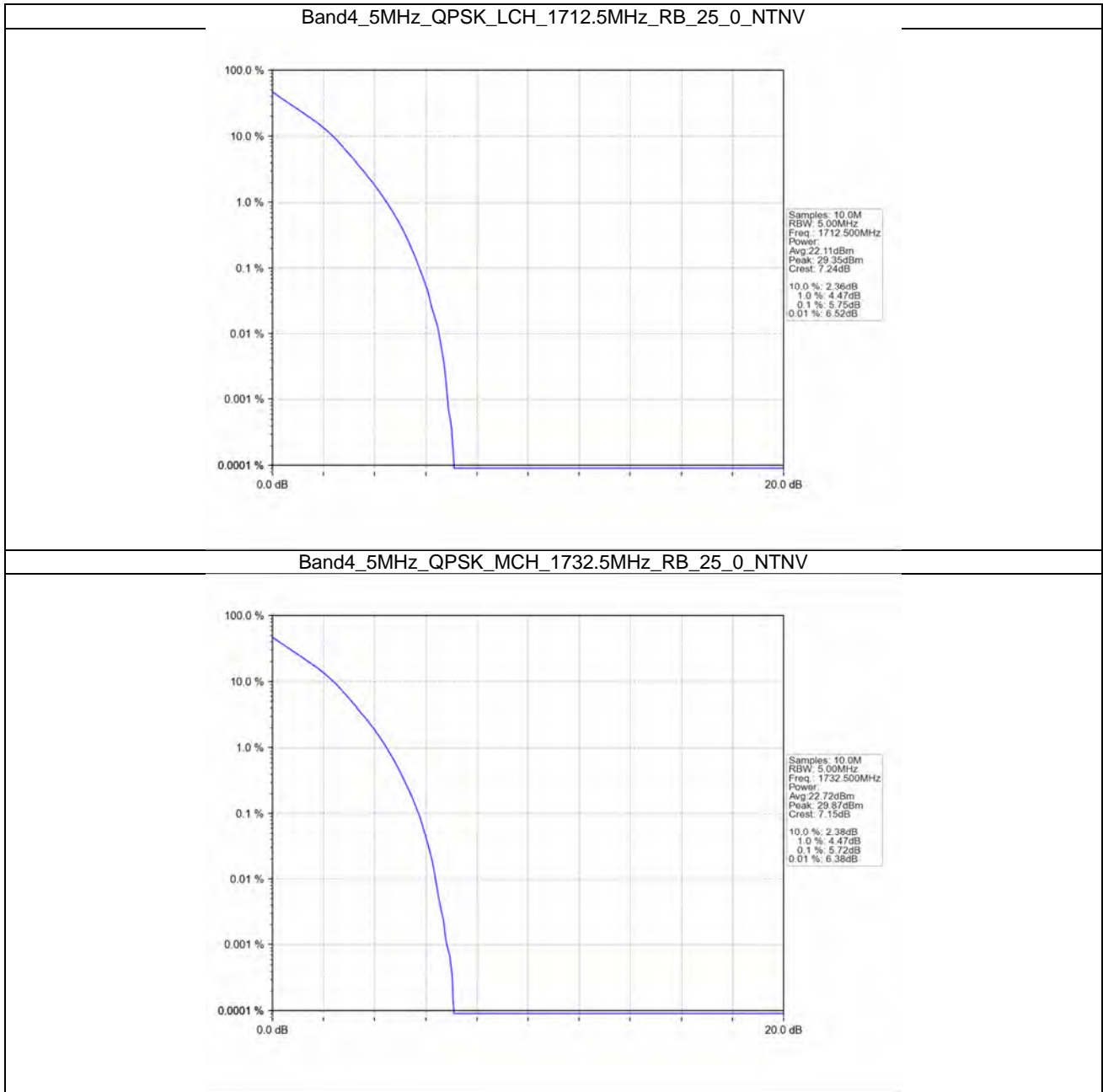
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5.3.2 Test Graph

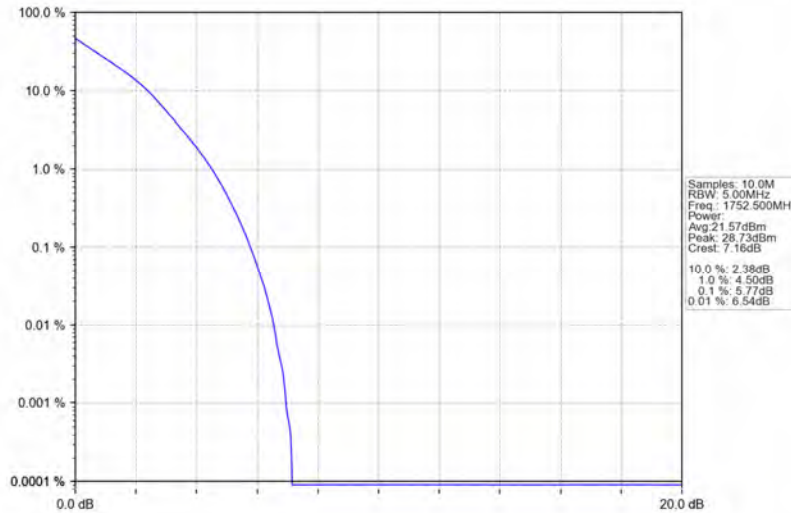


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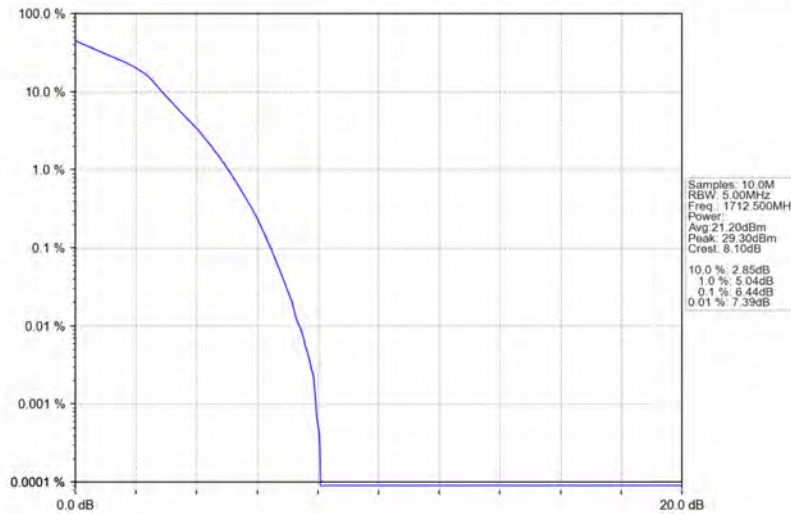
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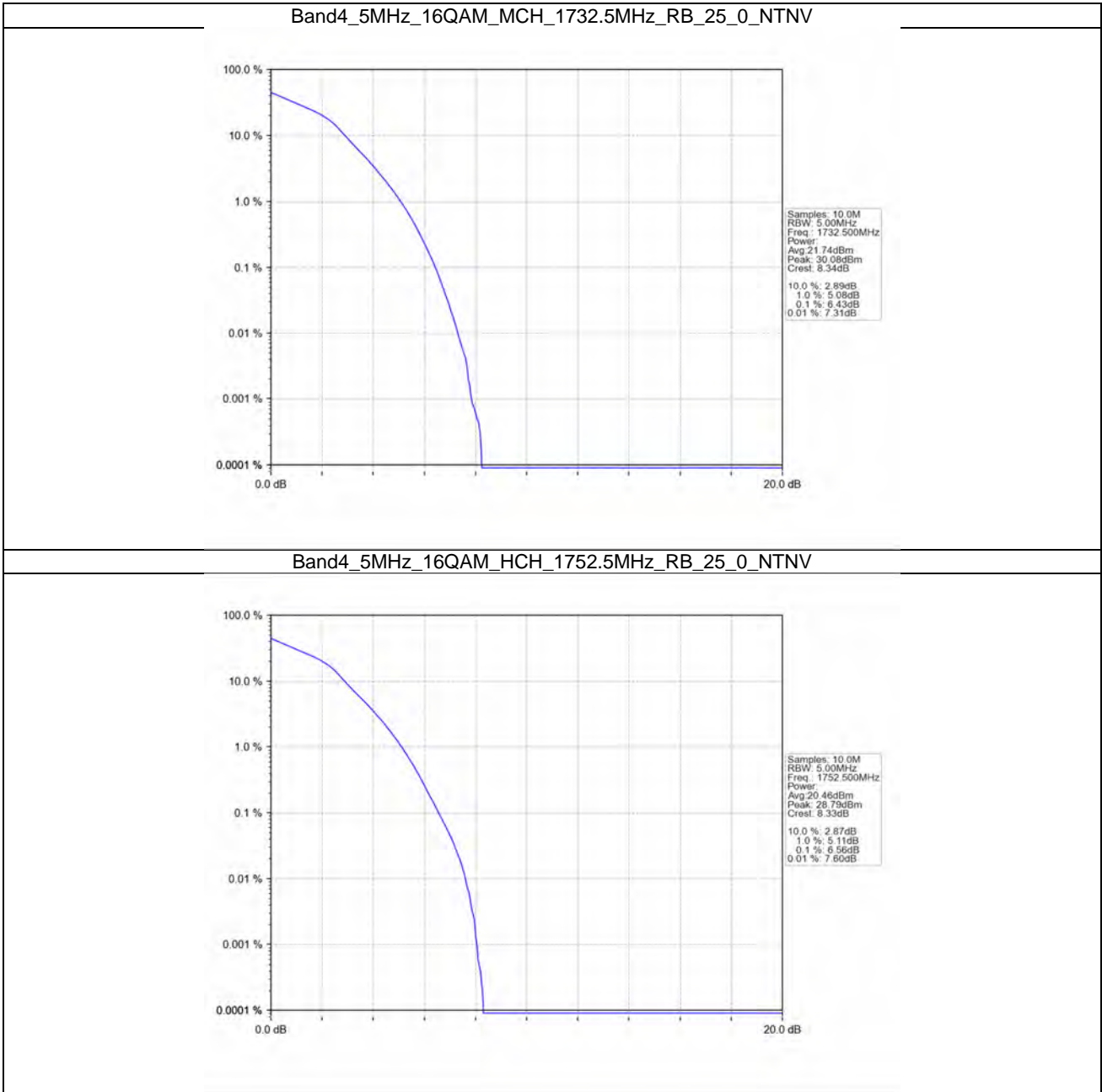
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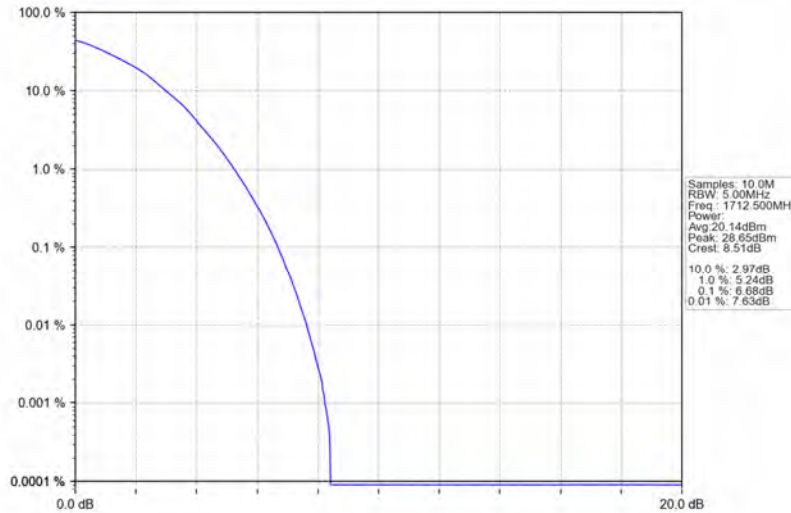


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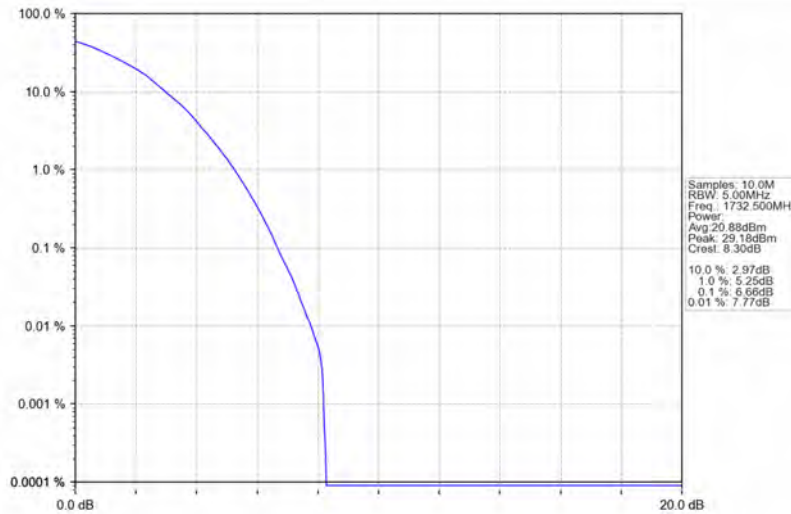
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Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV

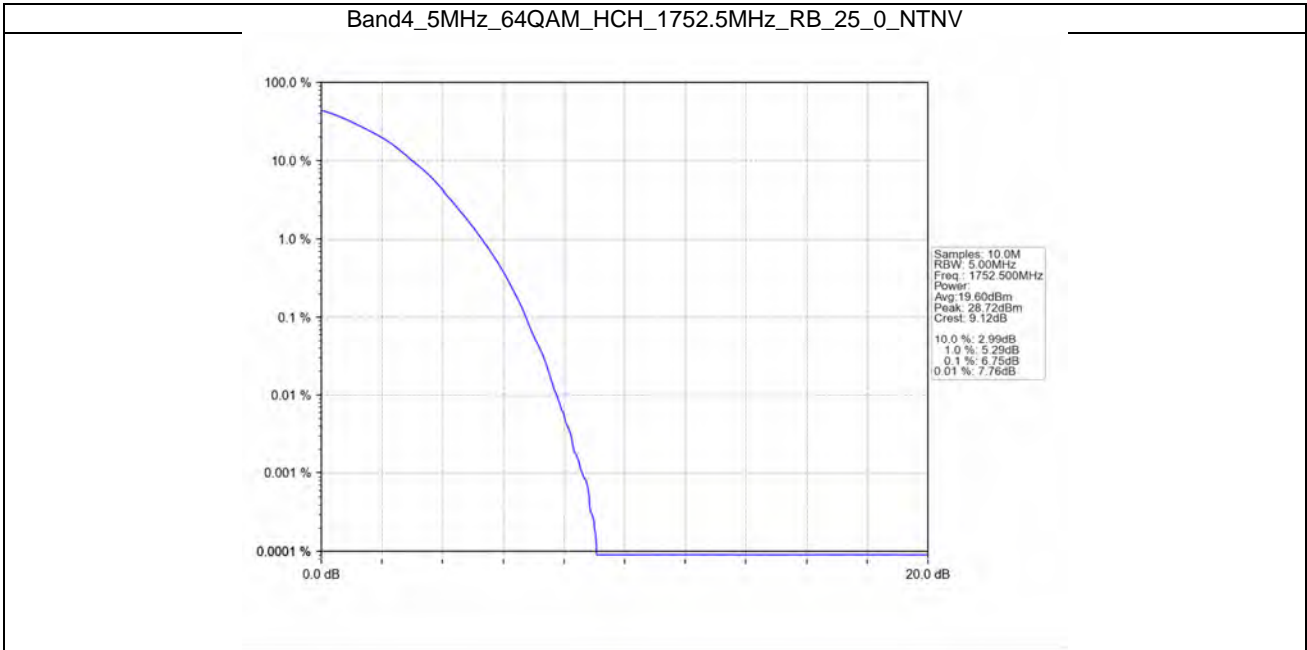


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5.4 B4_10MHz

5.4.1 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	6.03	<=13	Pass
	1732.5	50	0	6.05	<=13	Pass
	1750	50	0	6.07	<=13	Pass
16QAM	1715	50	0	6.83	<=13	Pass
	1732.5	50	0	6.75	<=13	Pass
	1750	50	0	6.83	<=13	Pass
64QAM	1715	50	0	7.06	<=13	Pass
	1732.5	50	0	7.08	<=13	Pass
	1750	50	0	7.03	<=13	Pass



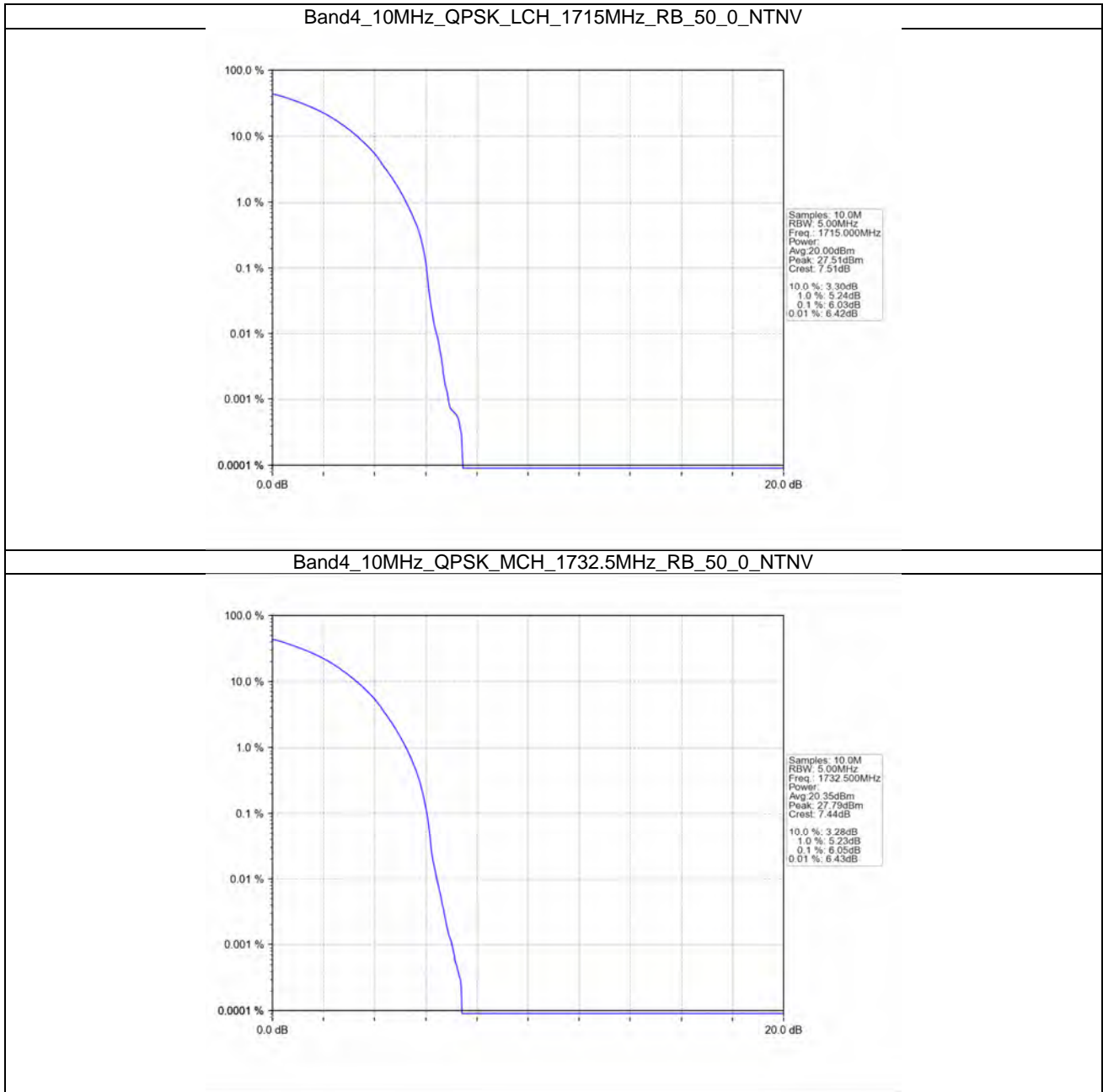
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5.4.2 Test Graph

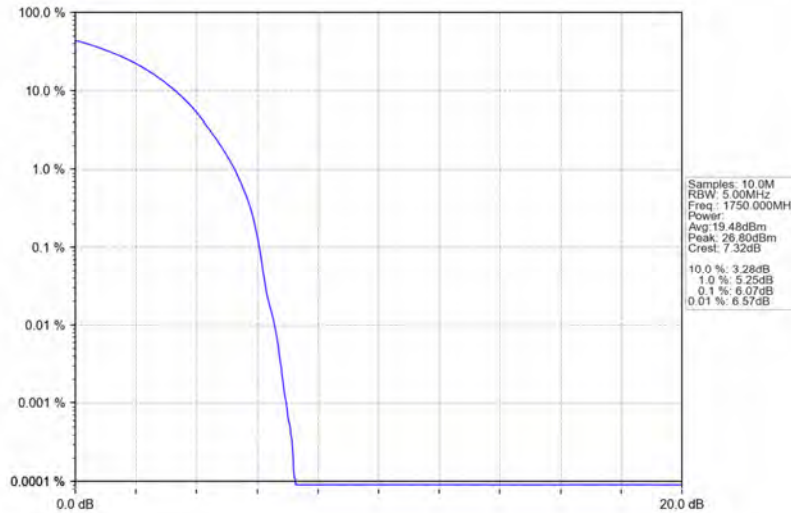


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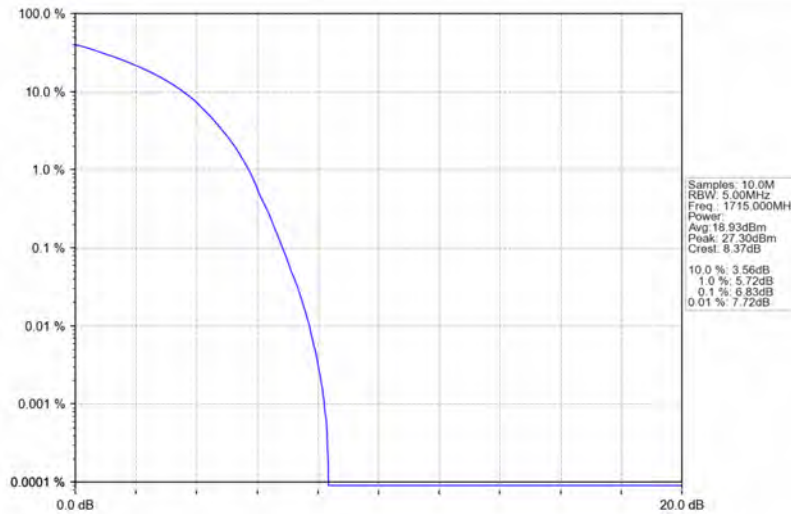
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Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



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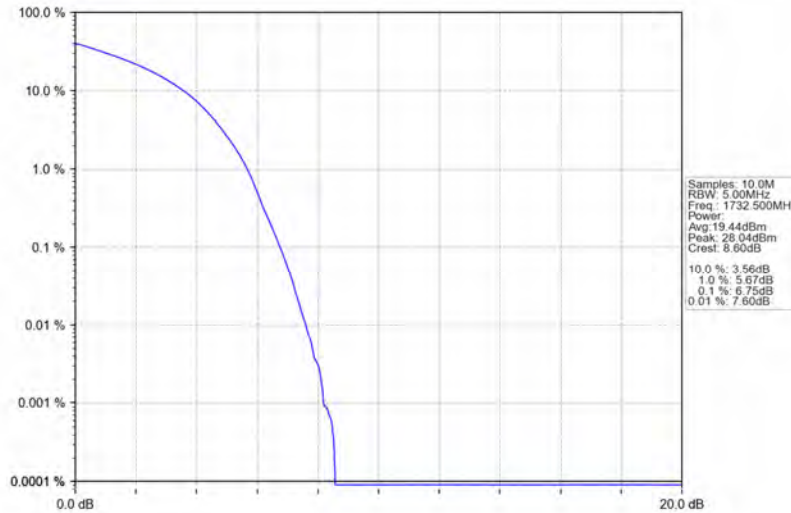
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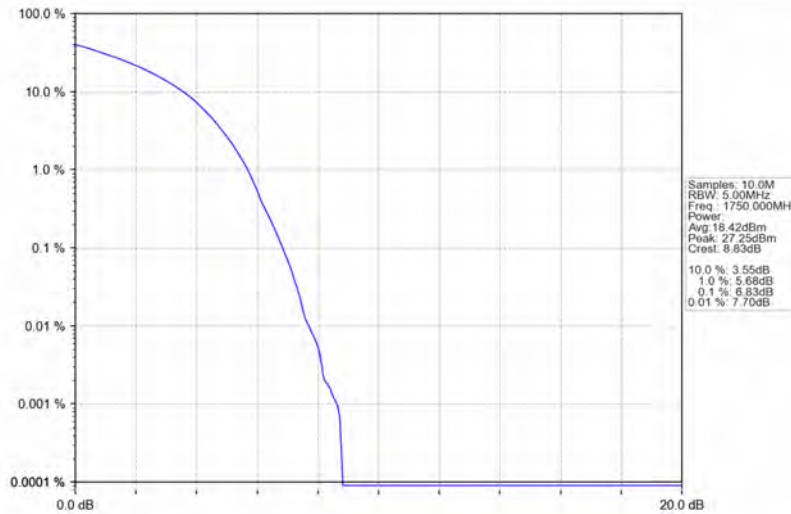


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Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



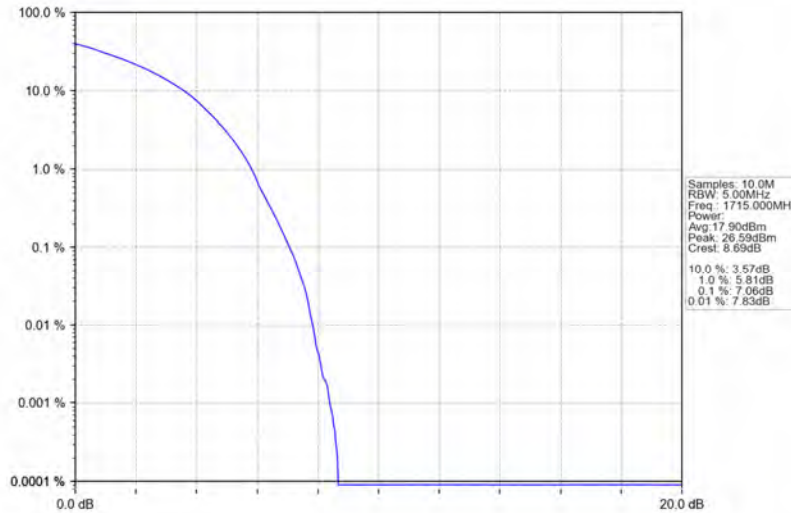
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



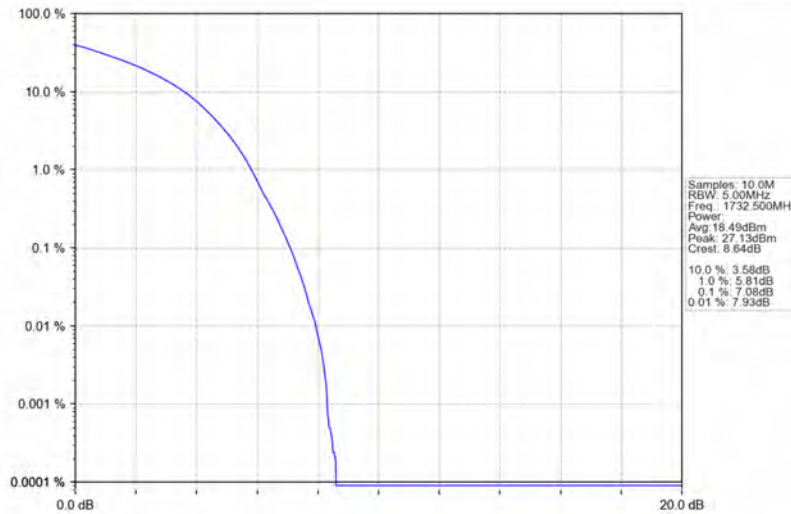
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Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



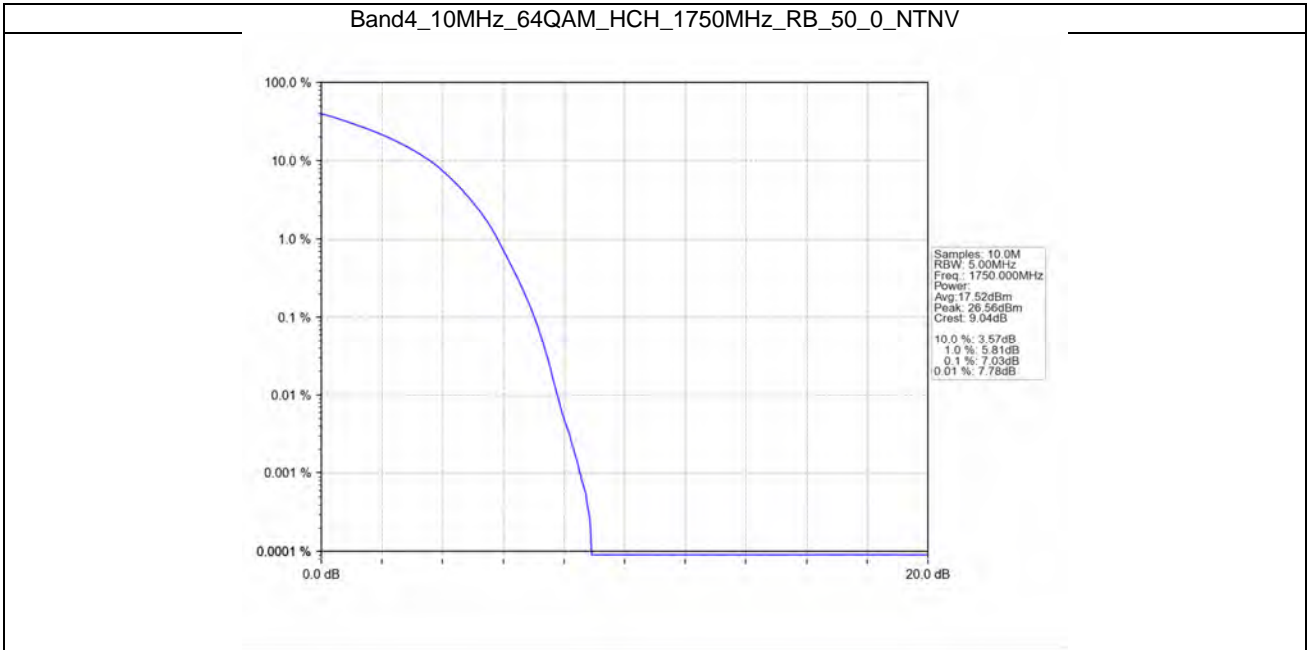
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5.5 B4_15MHz

5.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	6.74	<=13	Pass
	1732.5	75	0	6.69	<=13	Pass
	1747.5	75	0	6.71	<=13	Pass
16QAM	1717.5	75	0	7.30	<=13	Pass
	1732.5	75	0	7.32	<=13	Pass
	1747.5	75	0	7.33	<=13	Pass
64QAM	1717.5	75	0	7.47	<=13	Pass
	1732.5	75	0	7.44	<=13	Pass
	1747.5	75	0	7.40	<=13	Pass



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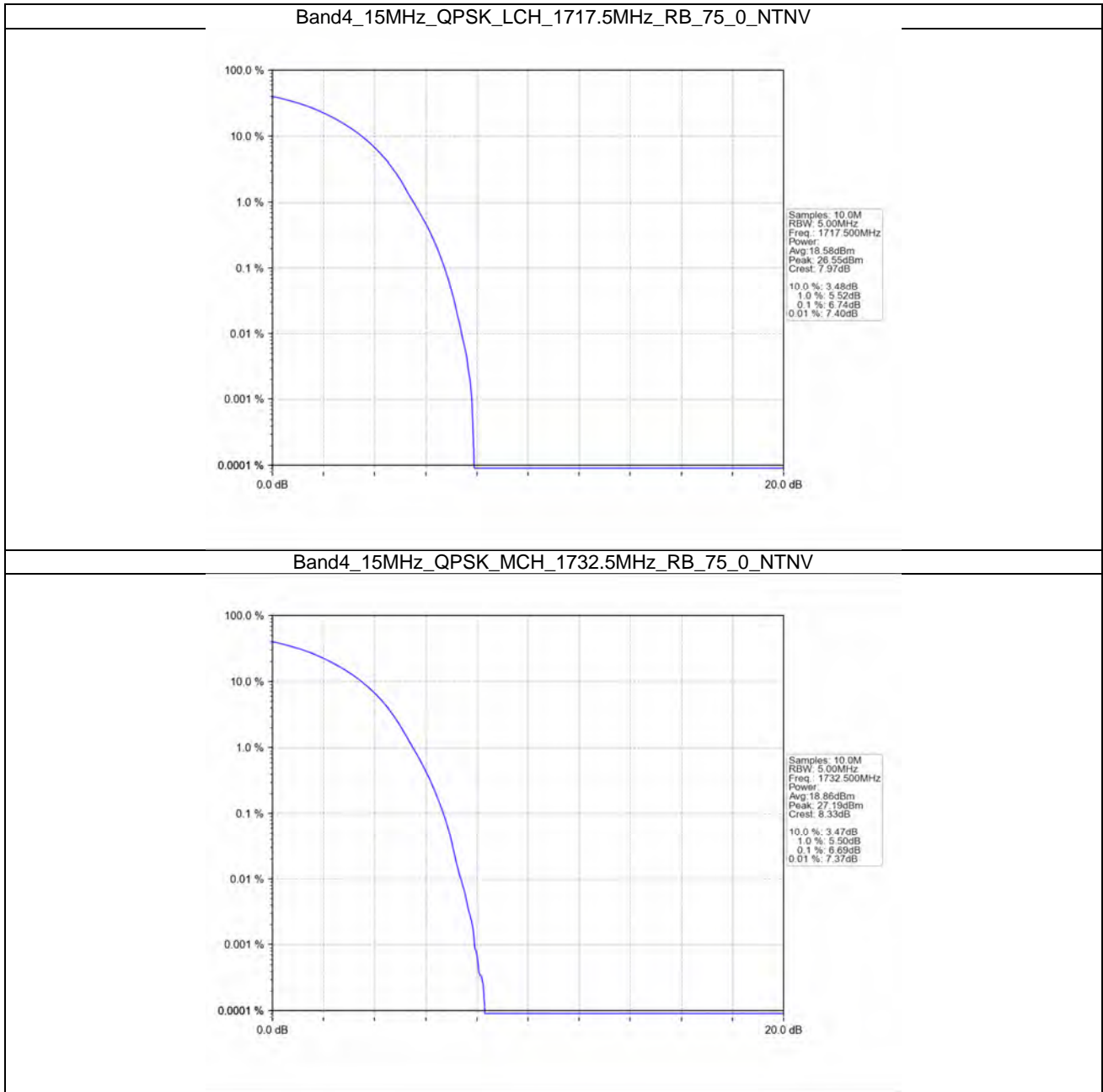
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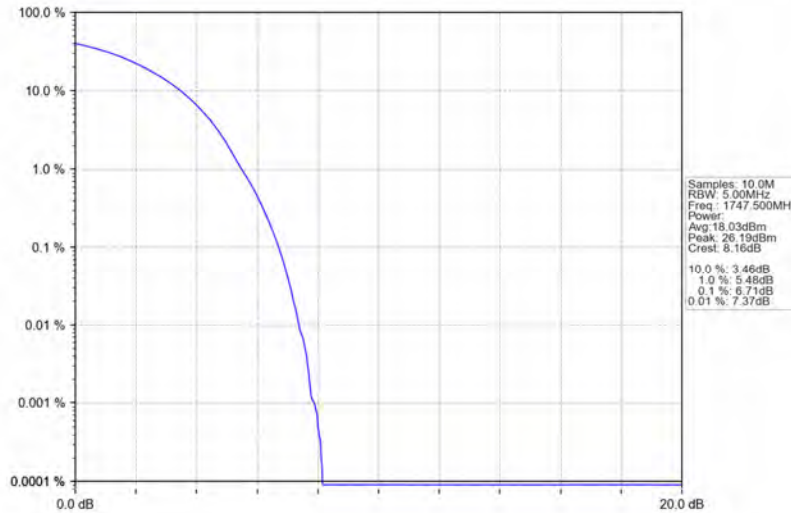
5.5.2 Test Graph



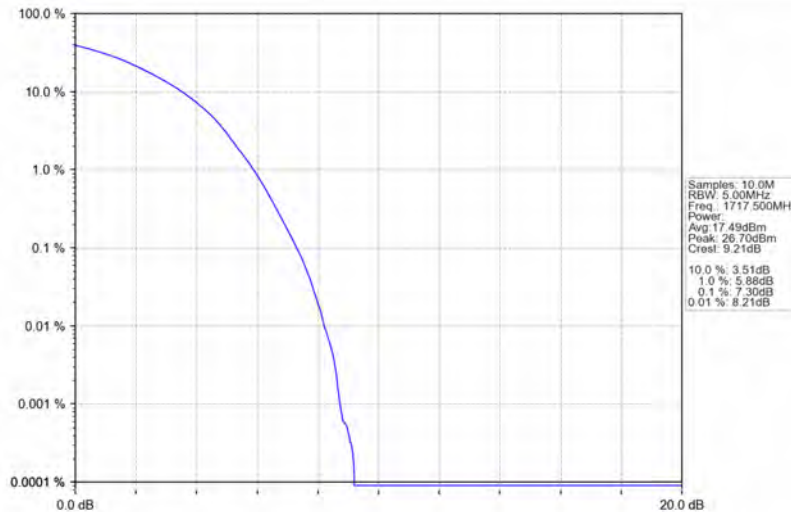
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Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



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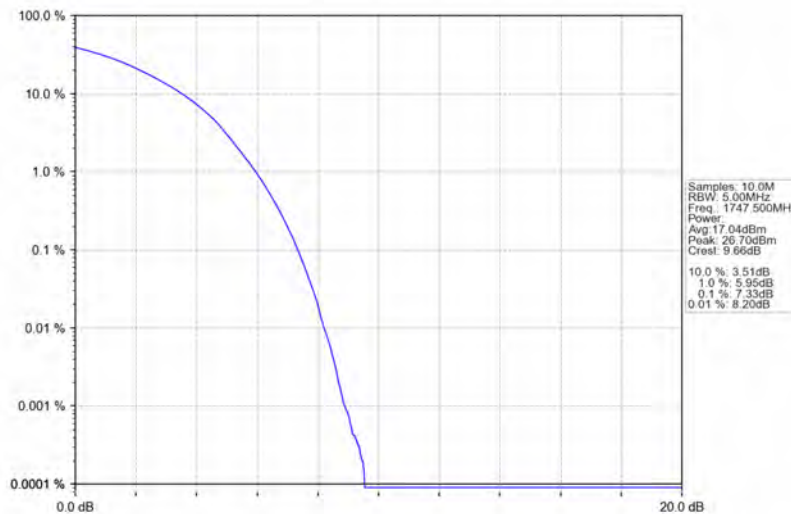
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Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



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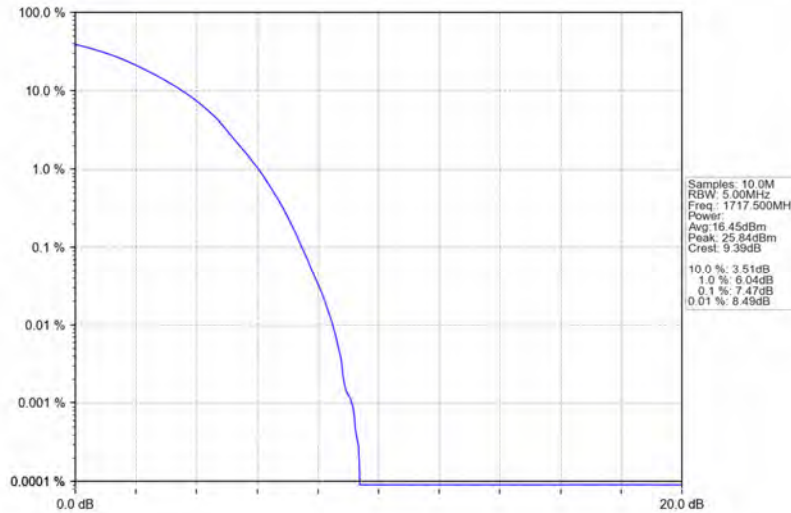
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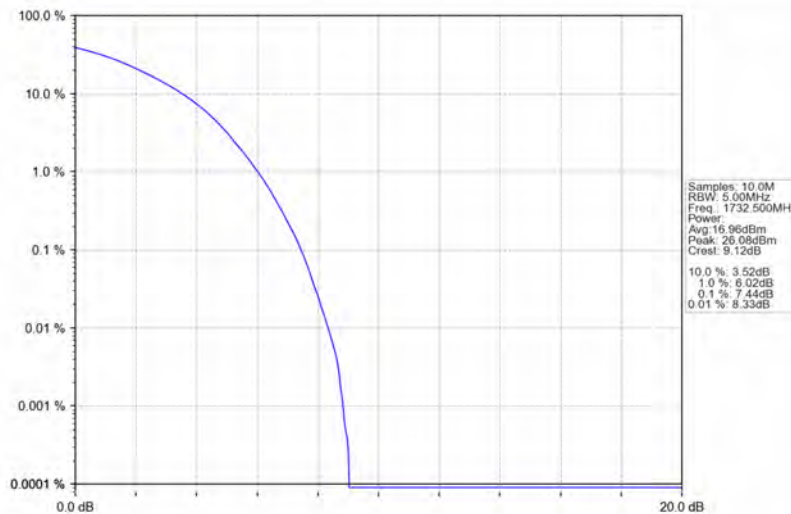
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Band4_15MHz_64QAM_MCH_1732.5MHz_RB_75_0_NTNV



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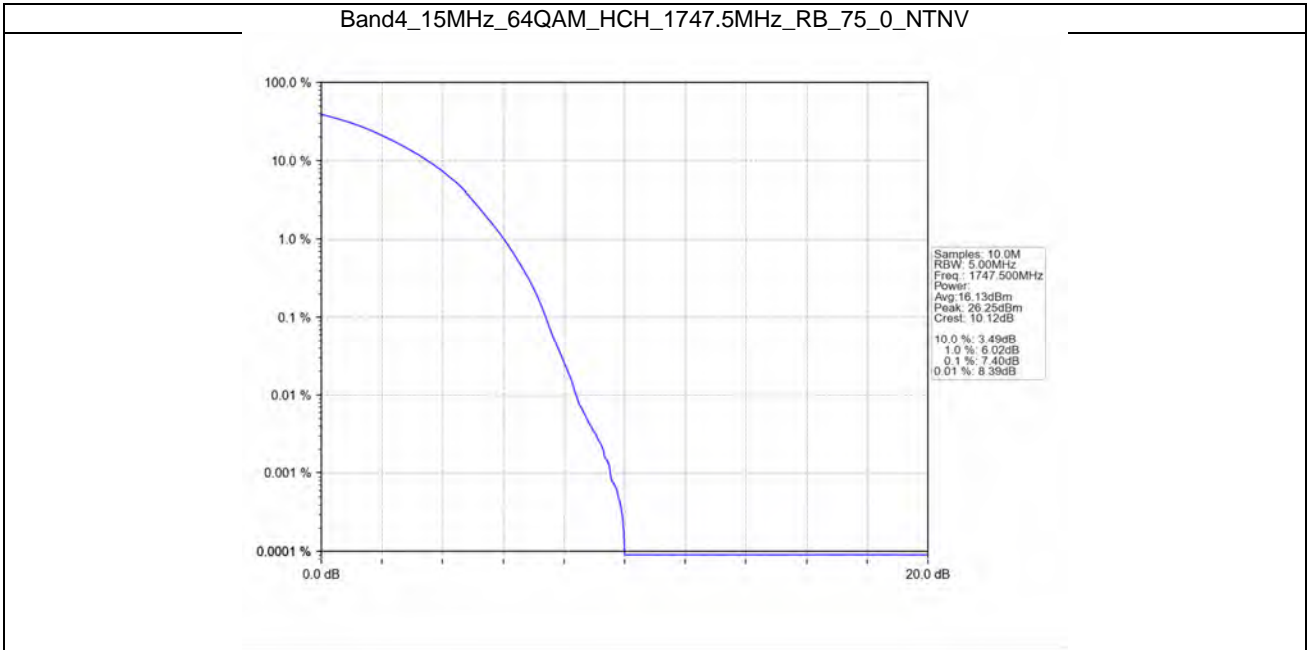
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5.6 B4_20MHz

5.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	7.14	<=13	Pass
	1732.5	100	0	7.19	<=13	Pass
	1745	100	0	7.03	<=13	Pass
16QAM	1720	100	0	7.59	<=13	Pass
	1732.5	100	0	7.56	<=13	Pass
	1745	100	0	7.50	<=13	Pass
64QAM	1720	100	0	7.66	<=13	Pass
	1732.5	100	0	7.66	<=13	Pass
	1745	100	0	7.61	<=13	Pass



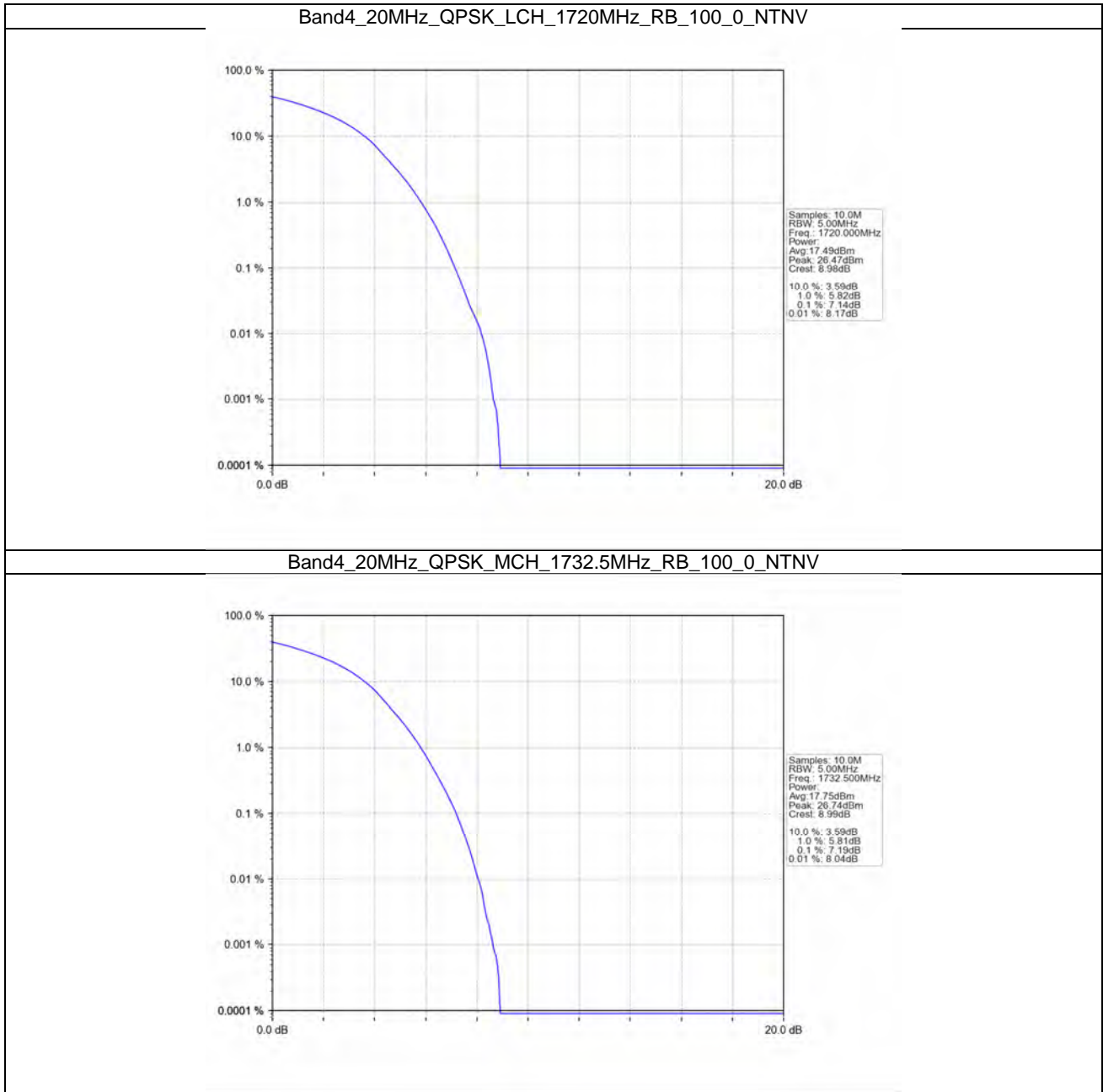
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5.6.2 Test Graph

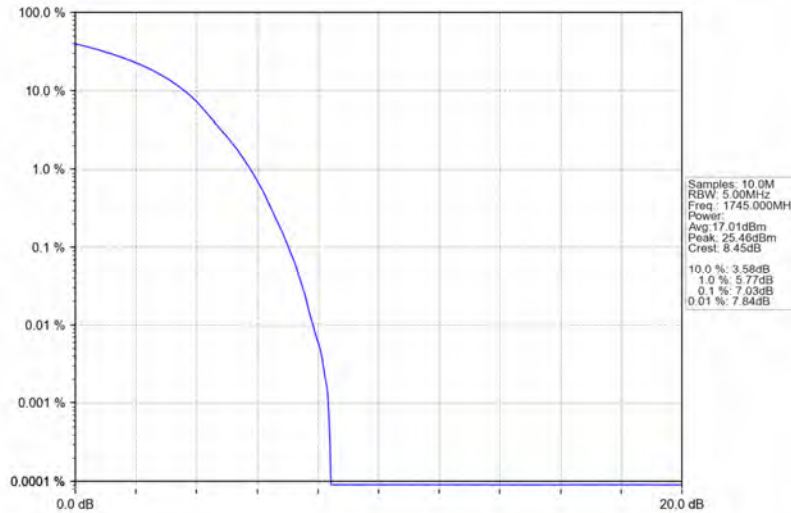


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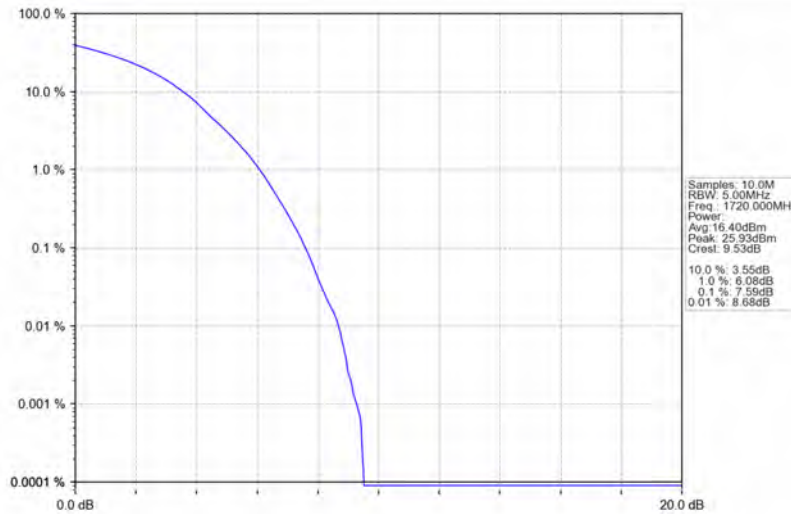
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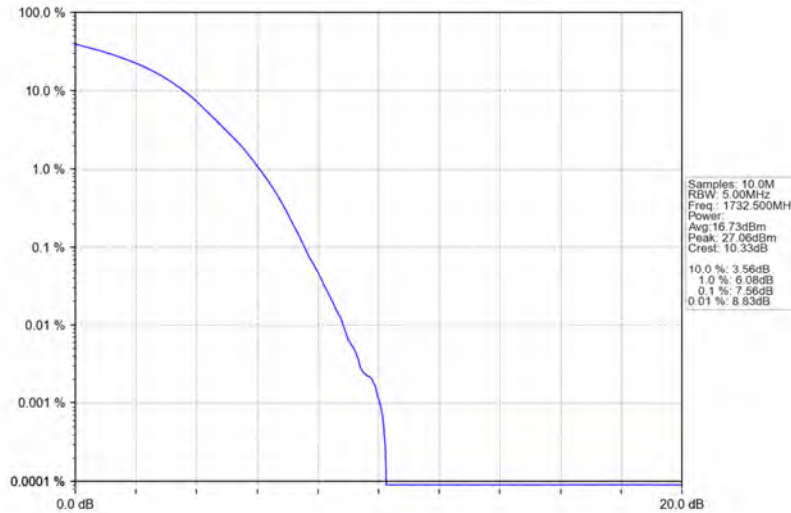
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



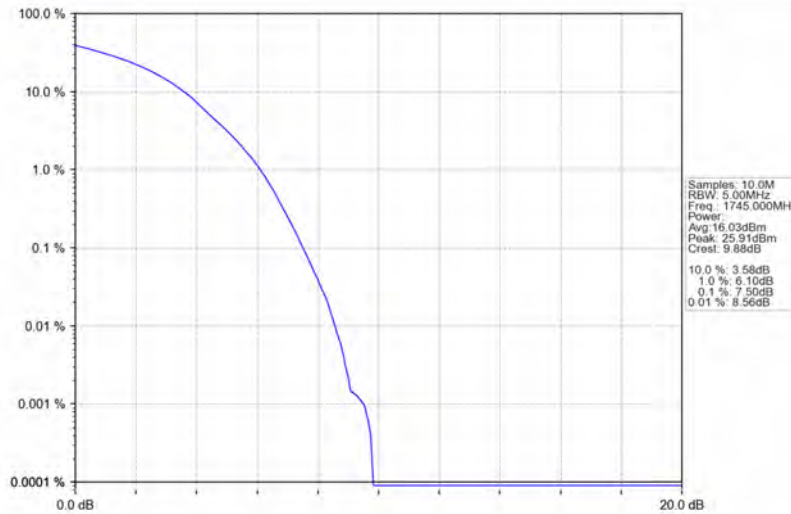
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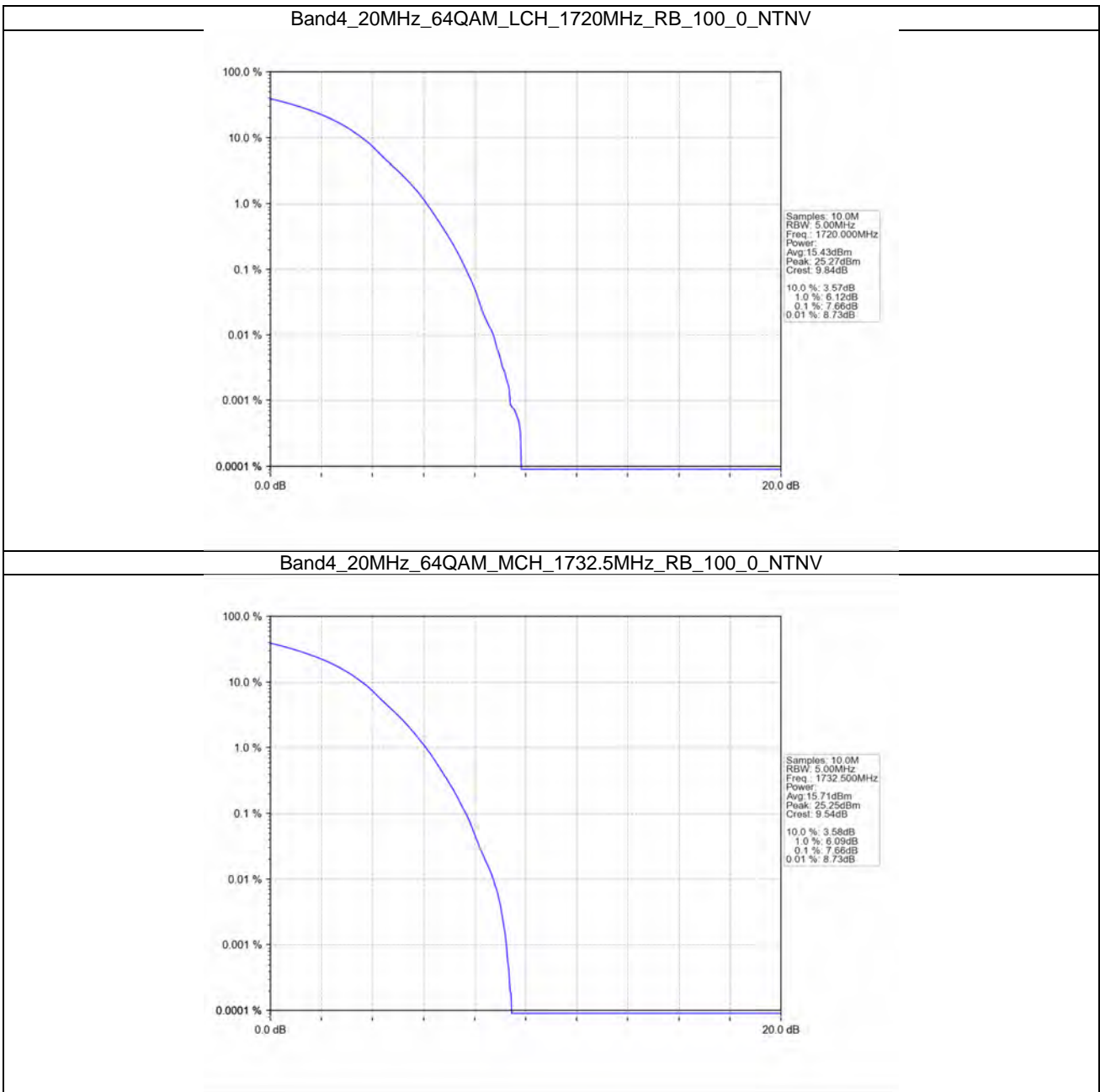
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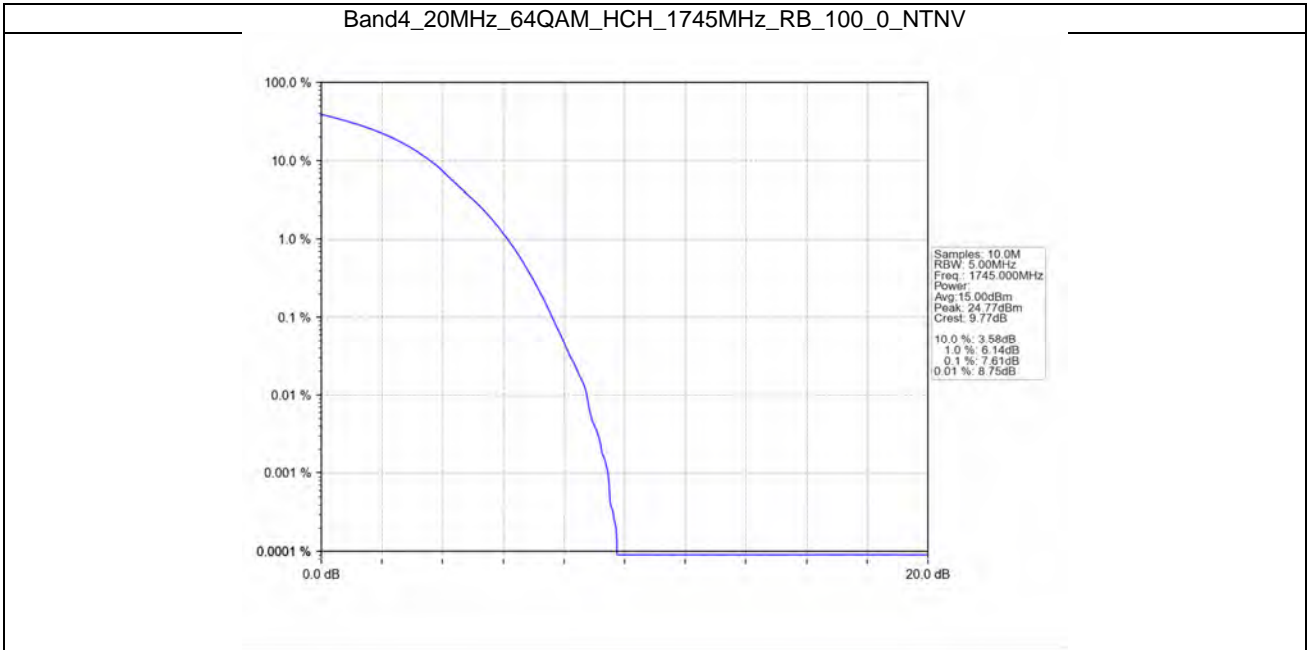
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6. Spurious Emission

6.1 B4_1.4MHz

6.1.1 Test Result

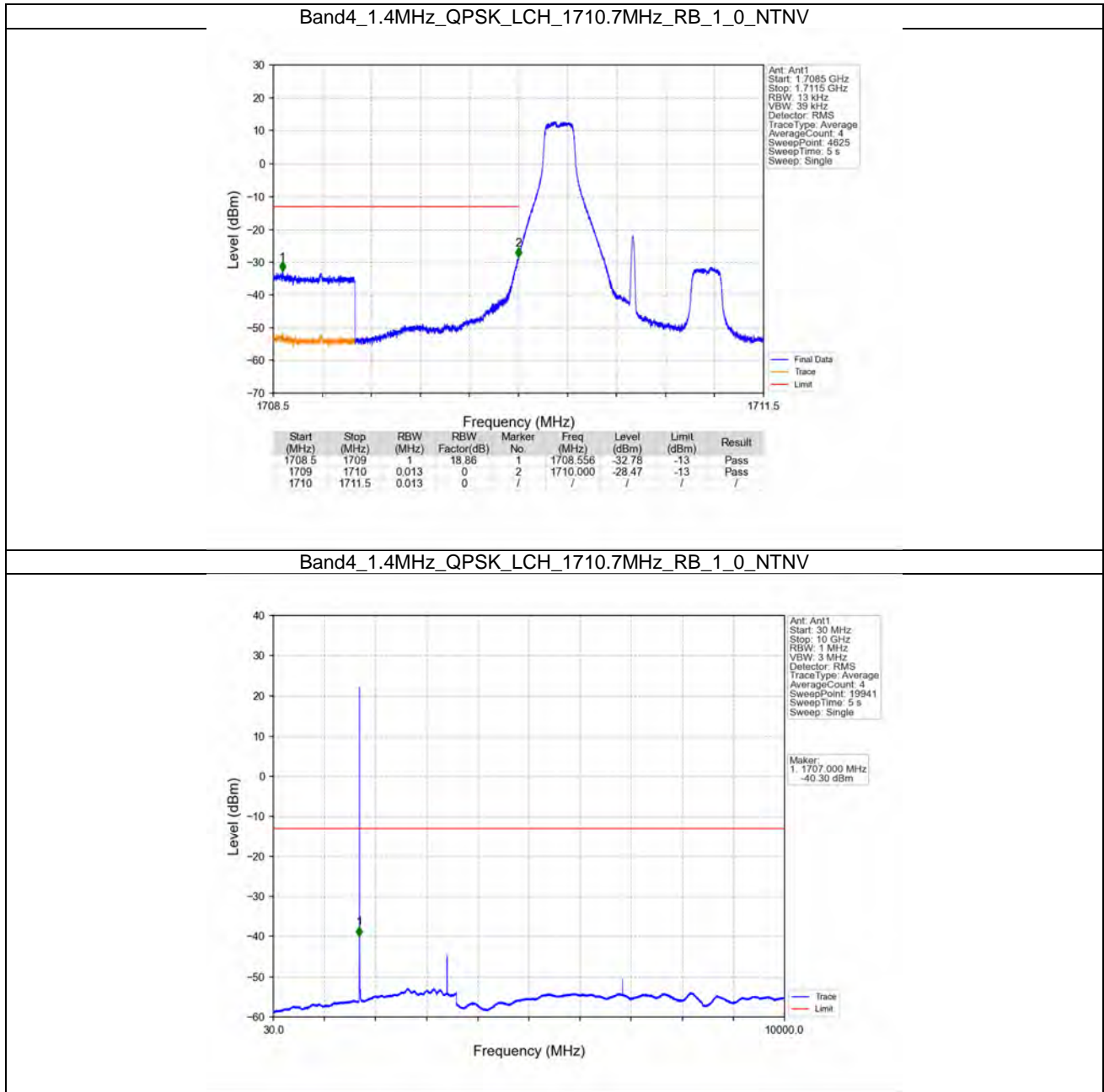
Band: 4 / Bandwidth: 1.4MHz / NTVV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
		1	5	Refer To Test Graph		Pass
		6	0	Refer To Test 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
	1754.3	1	0	Refer To Test Graph		Pass
		1	5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
64QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
		1	5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass



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6.1.2 Test Graph



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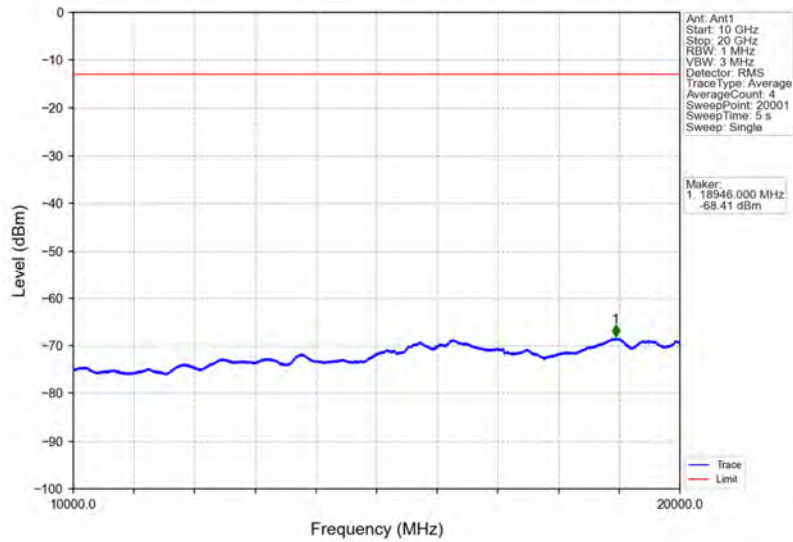
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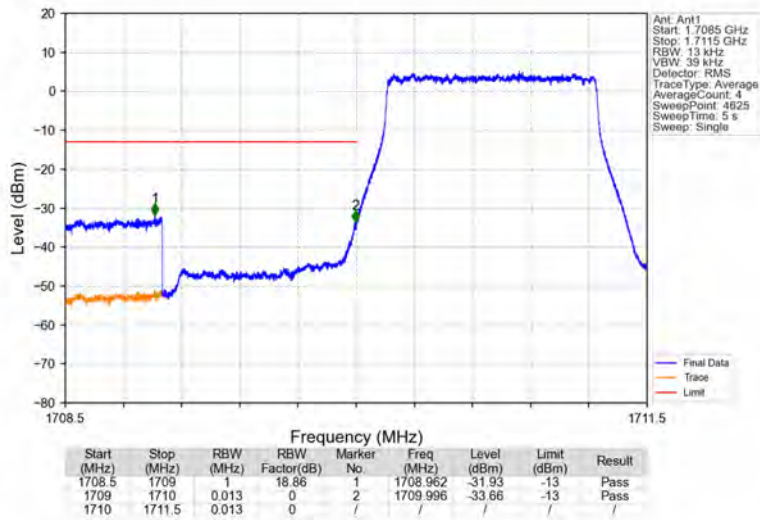
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Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



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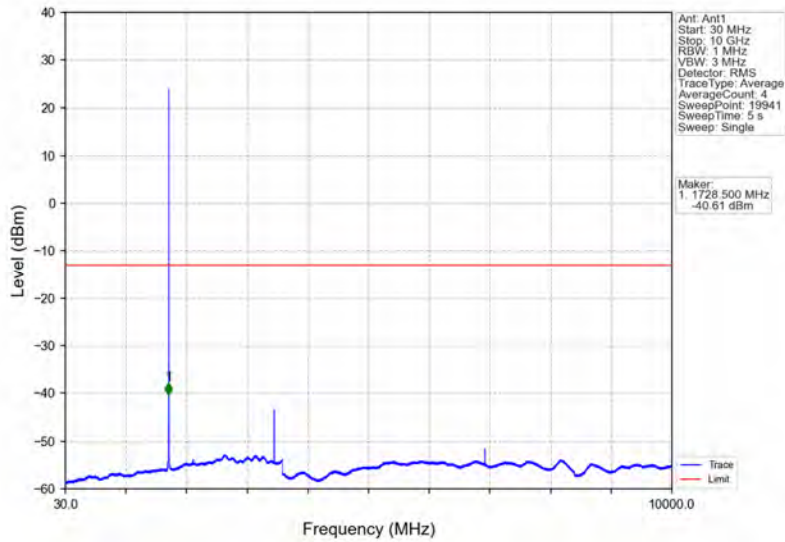
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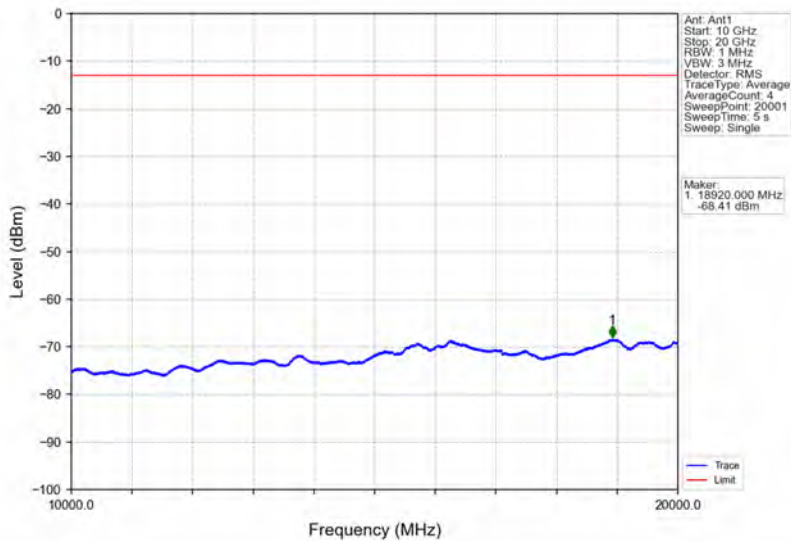


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EMC Laboratory

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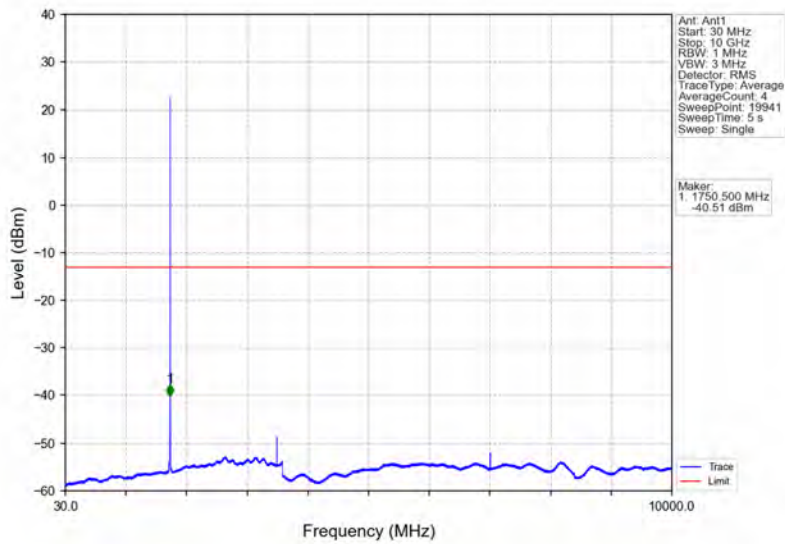
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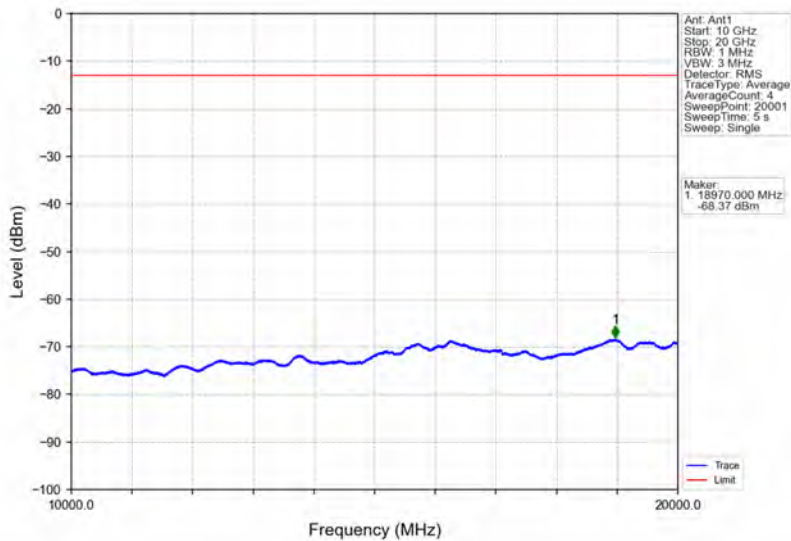
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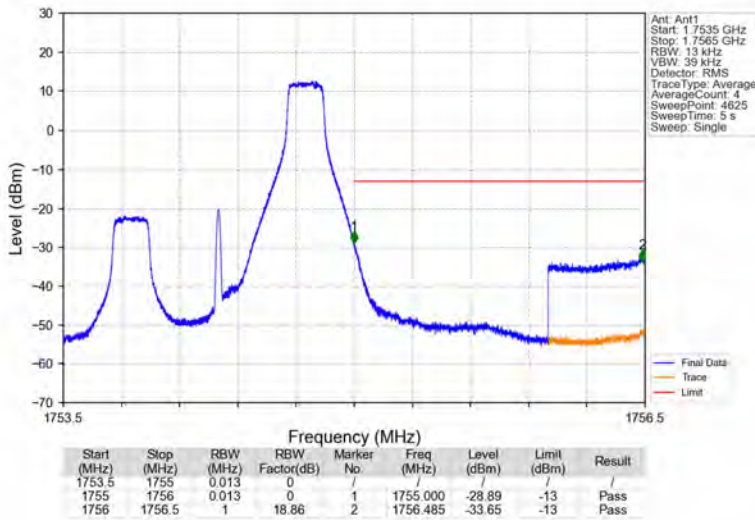
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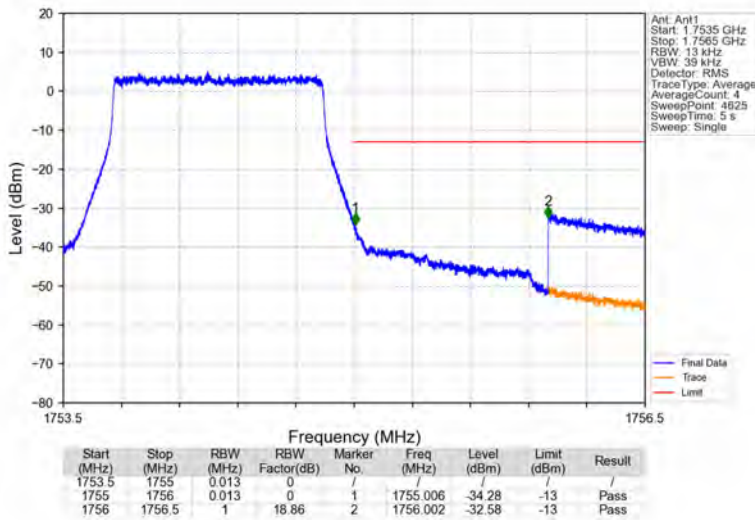
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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



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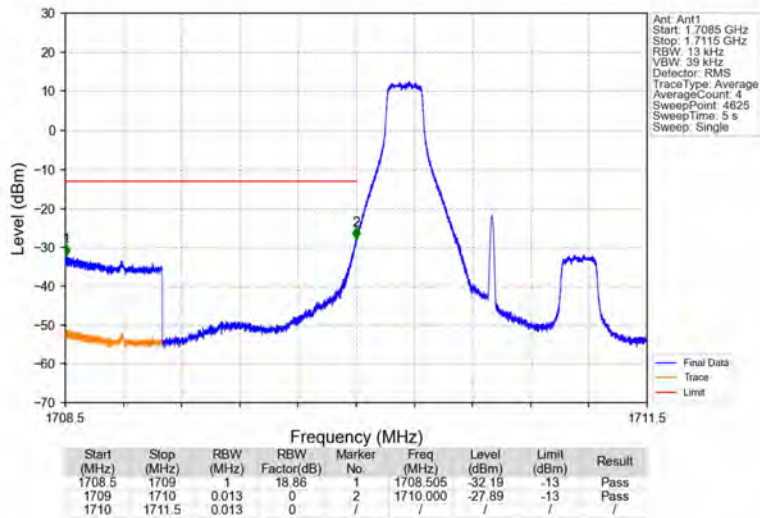
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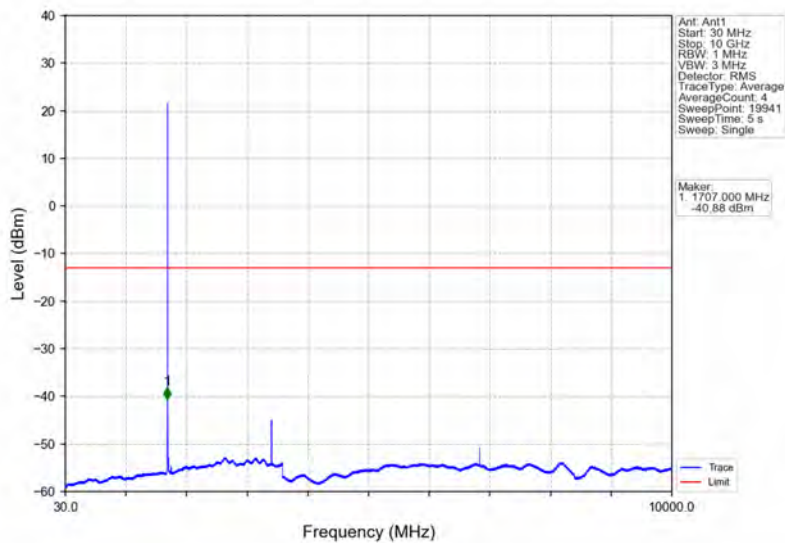
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Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



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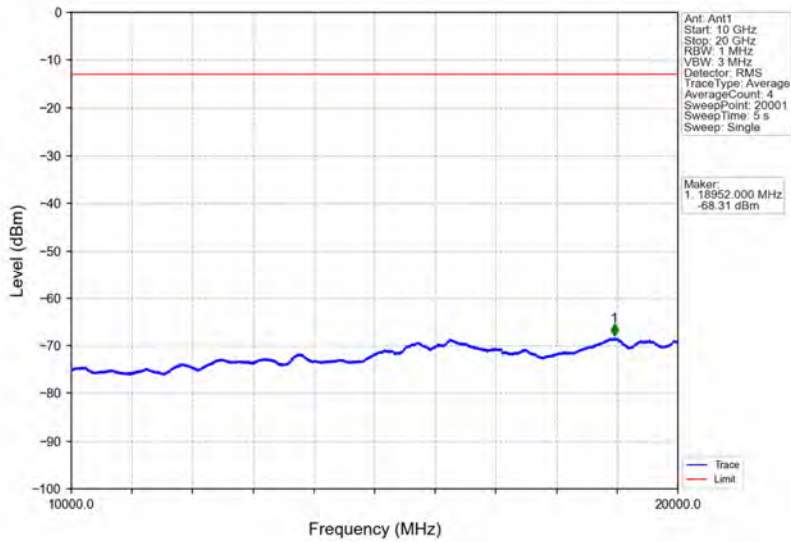
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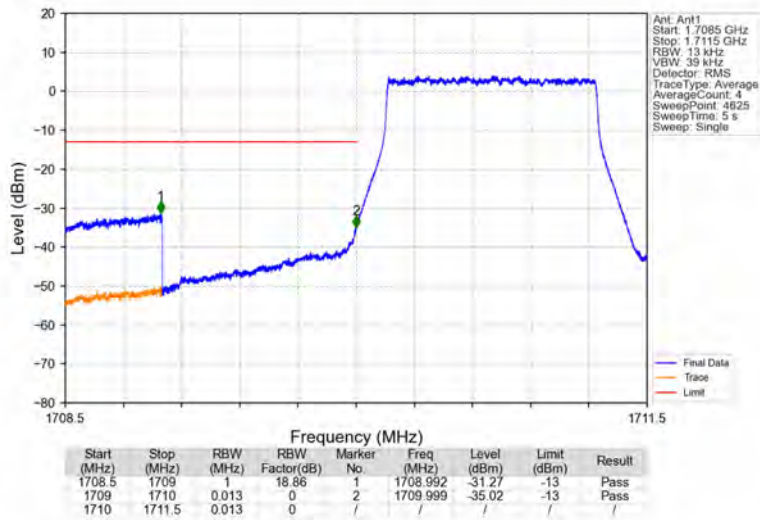
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Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



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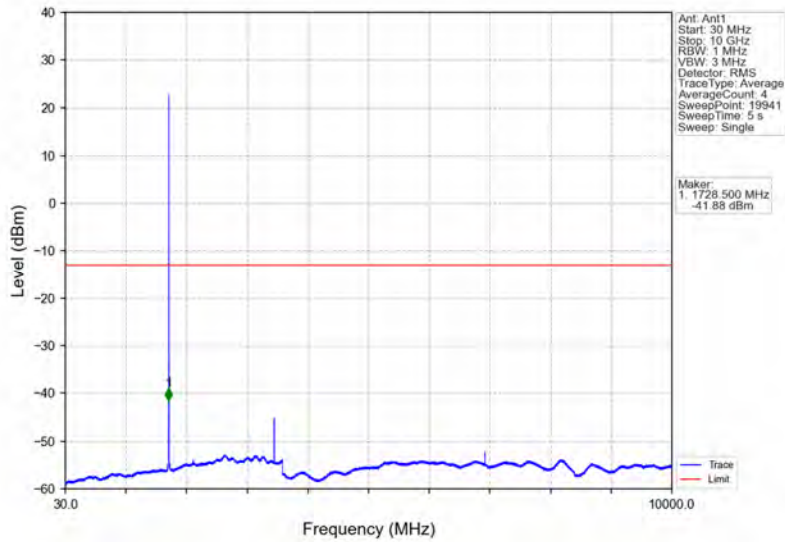
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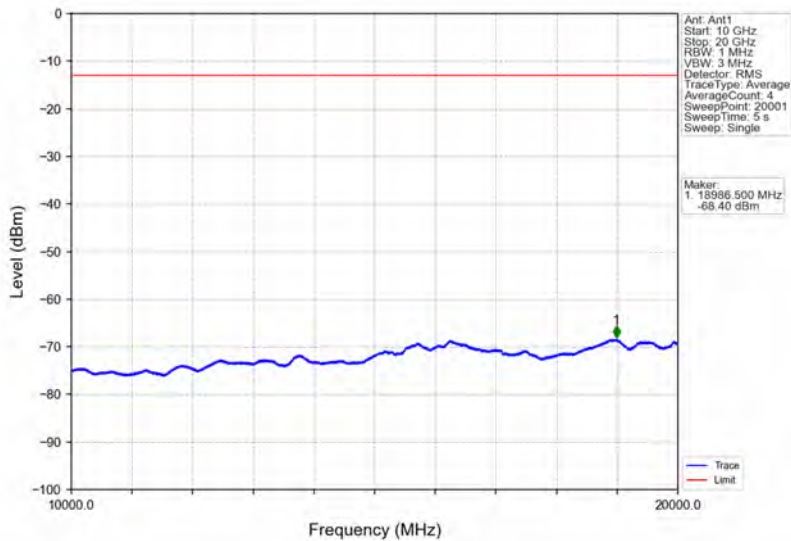
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Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



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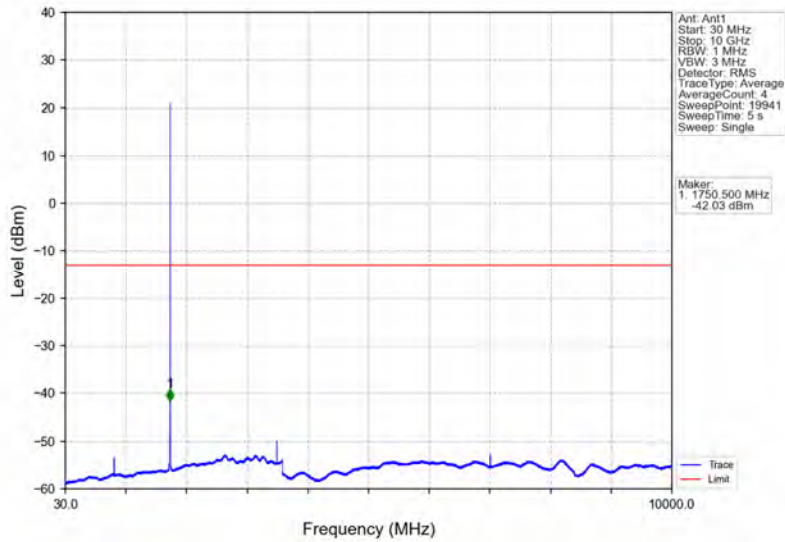
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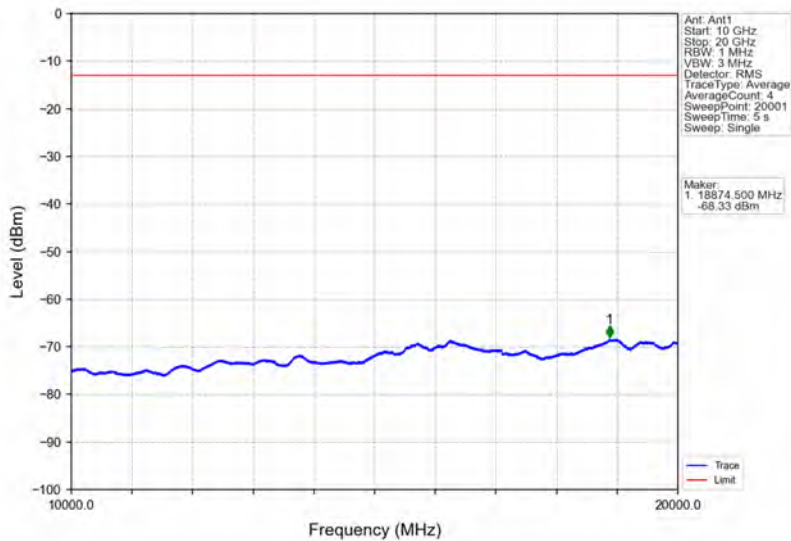


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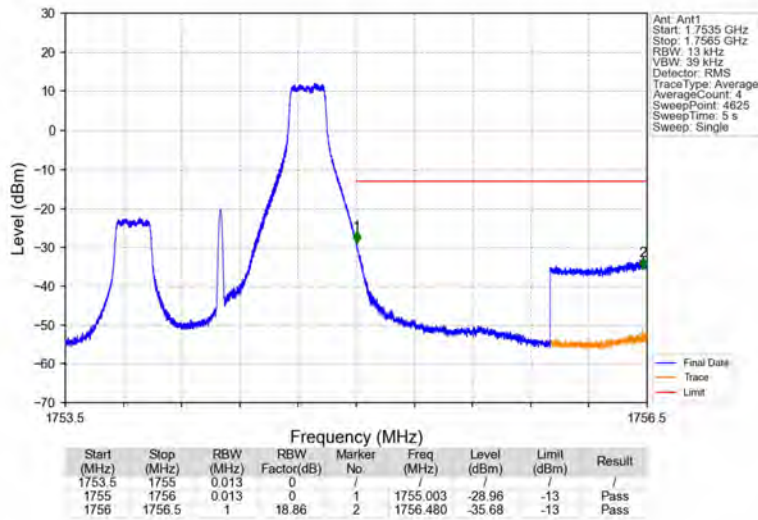
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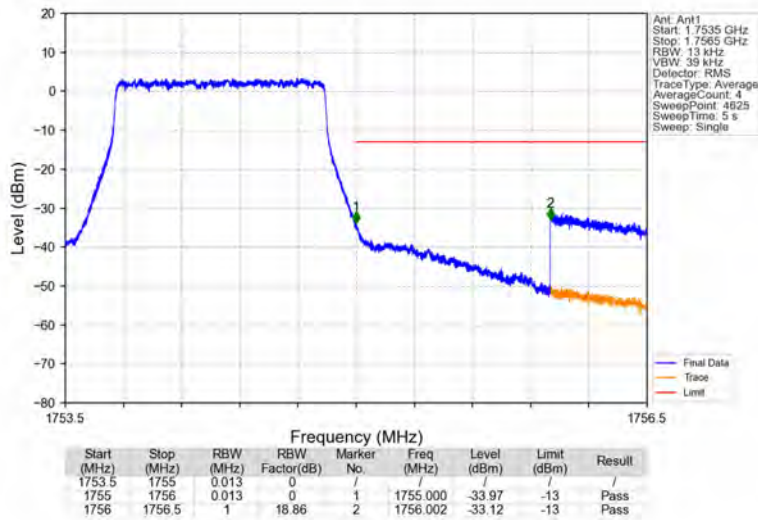
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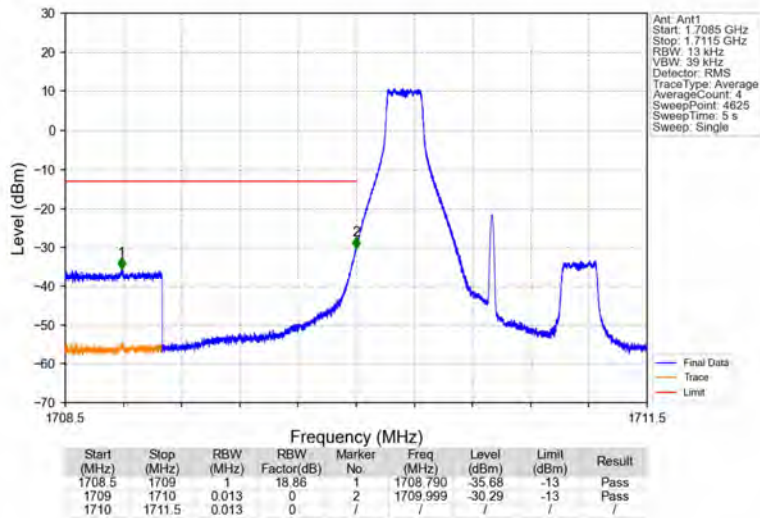
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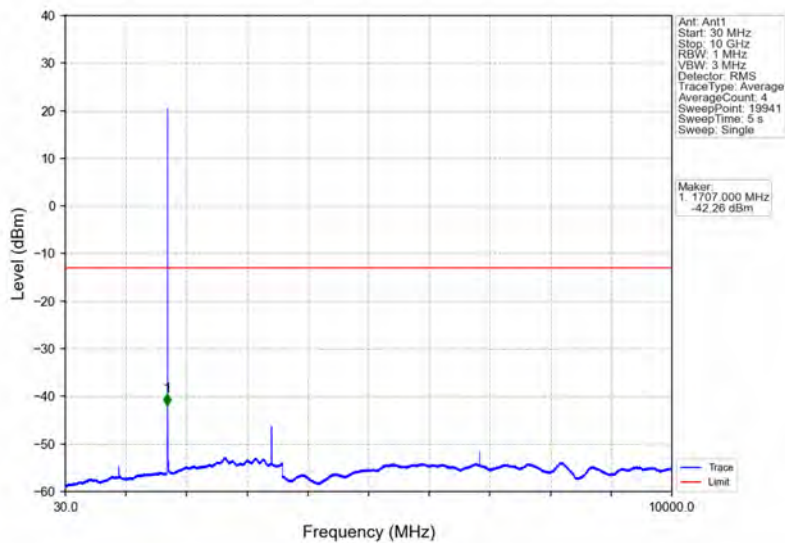
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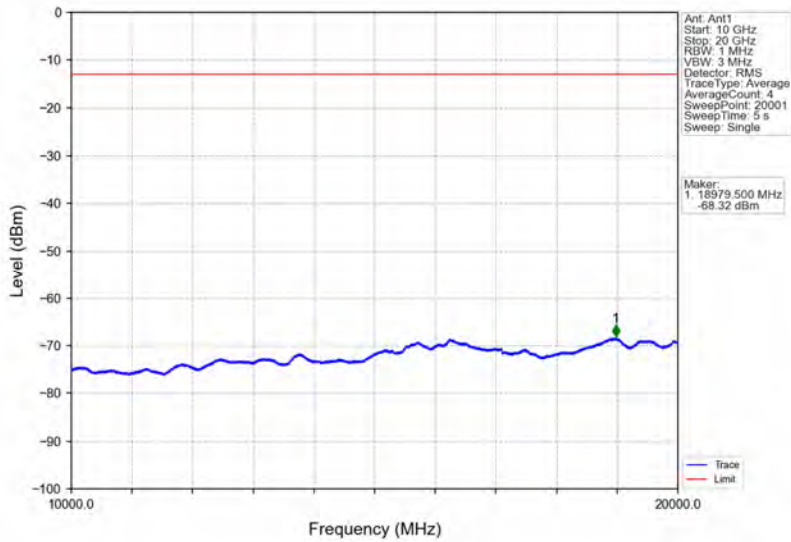
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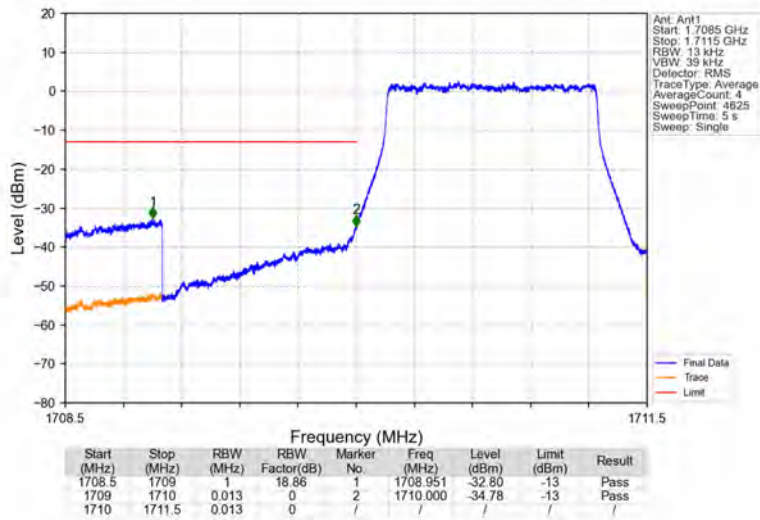
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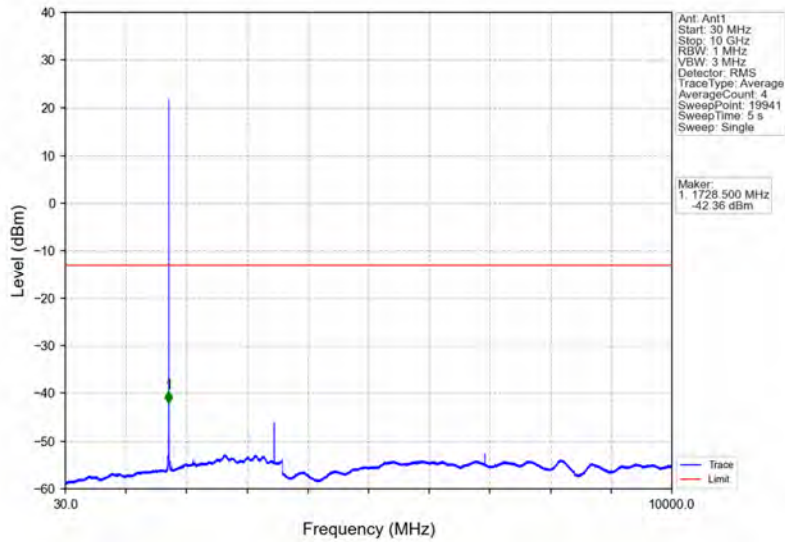


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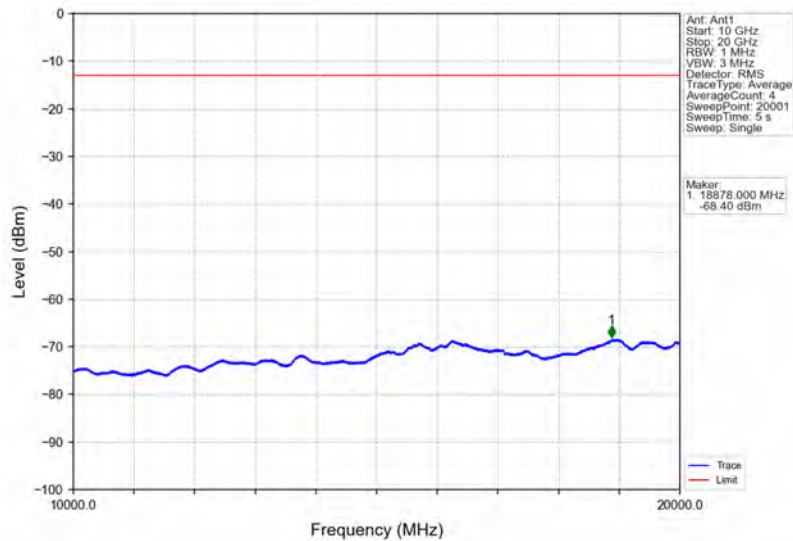
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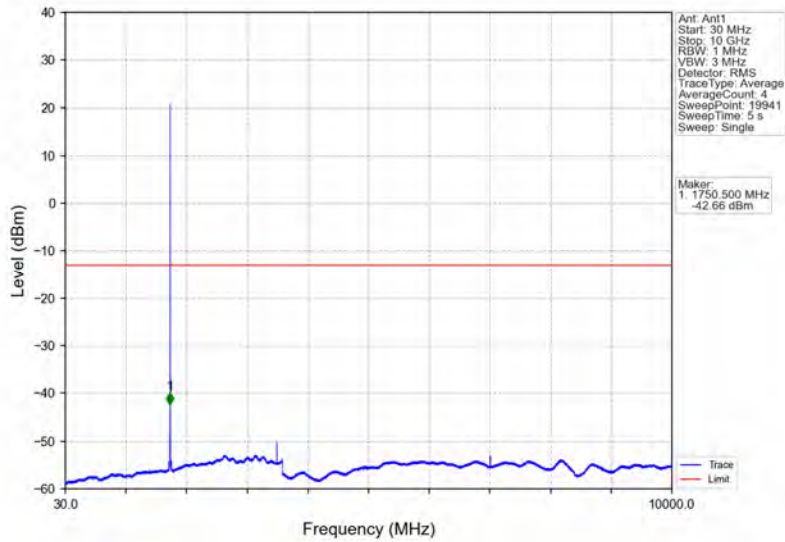
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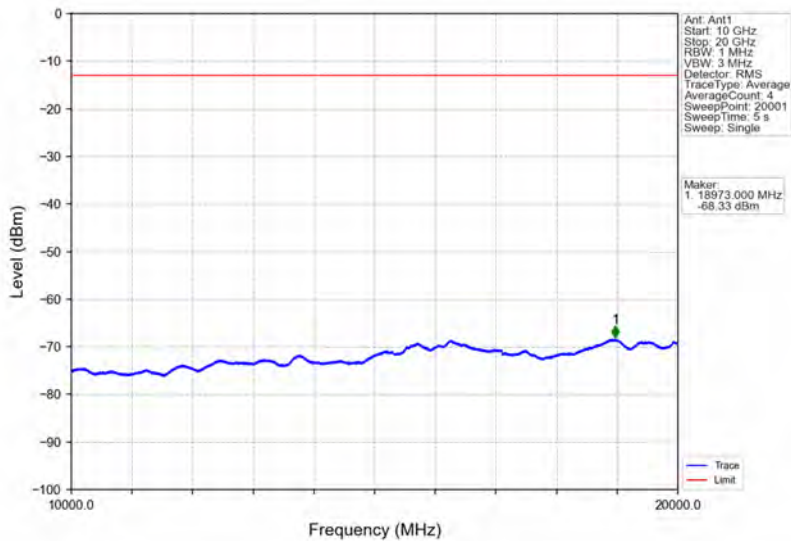
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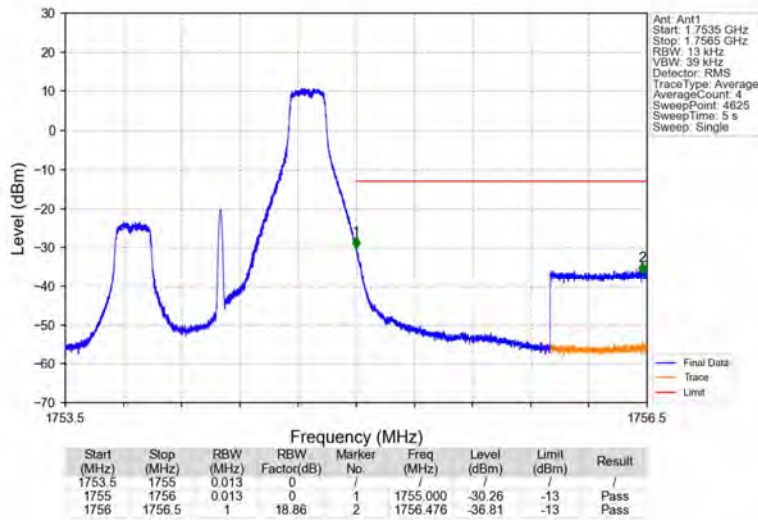
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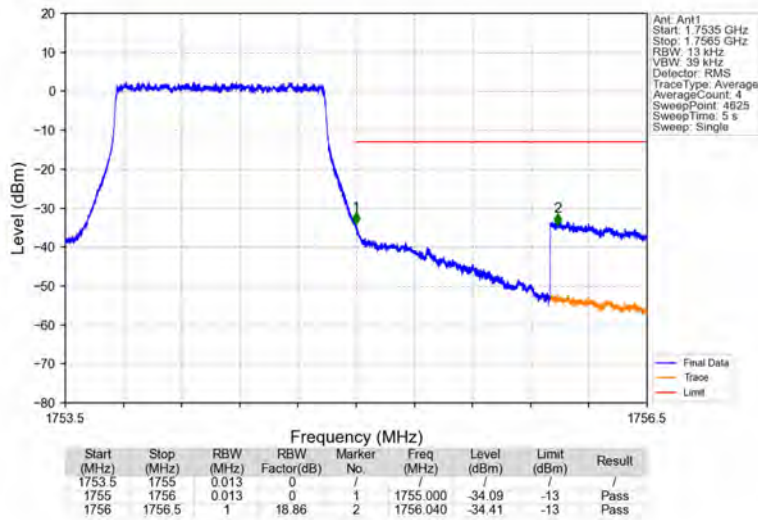


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6.2 B4_3MHz

6.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTN						
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
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
			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
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
64QAM	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
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass



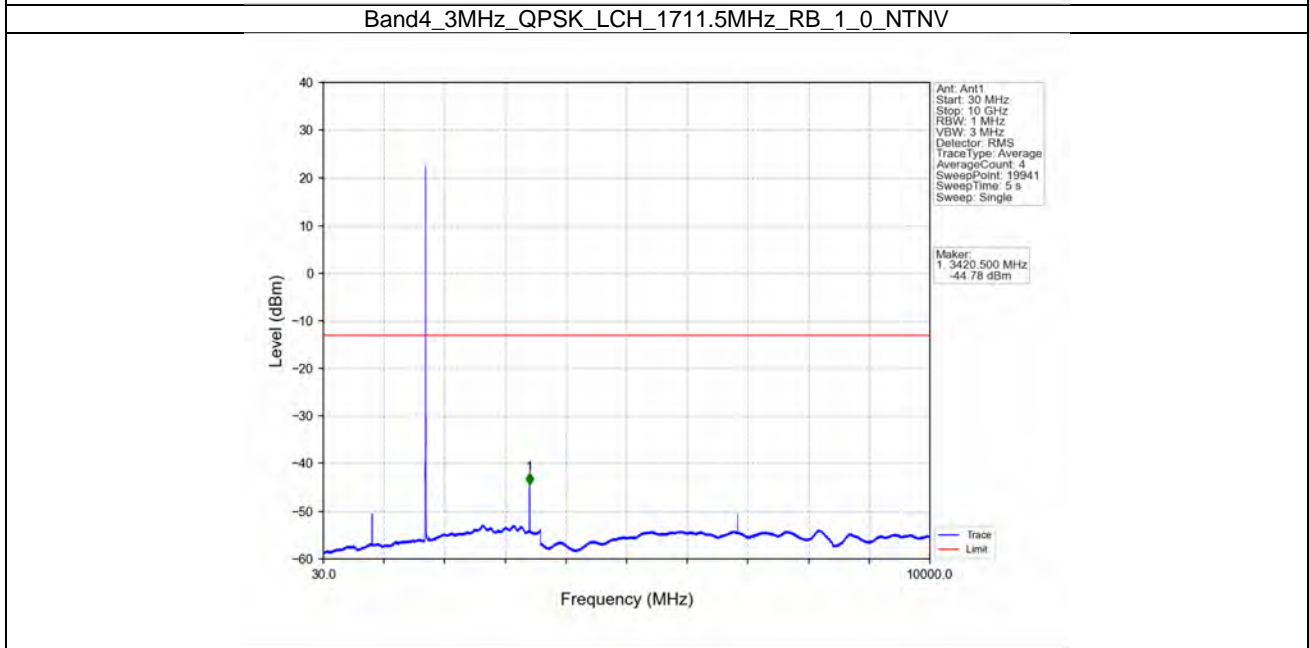
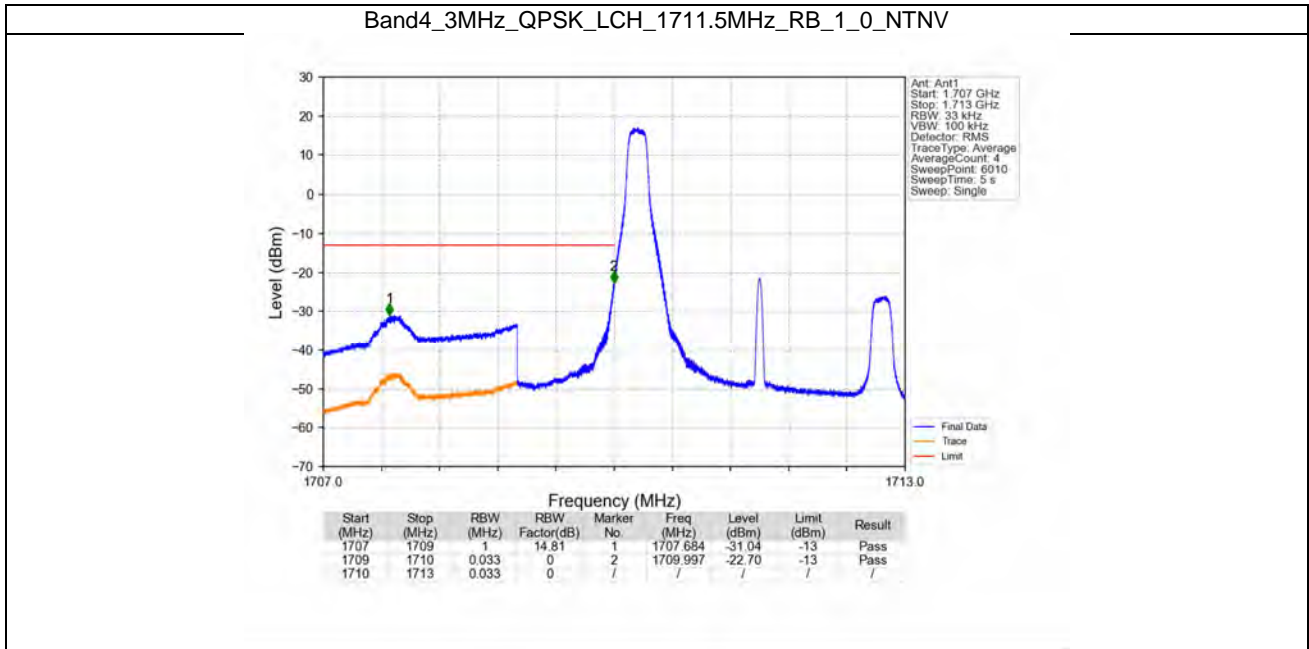
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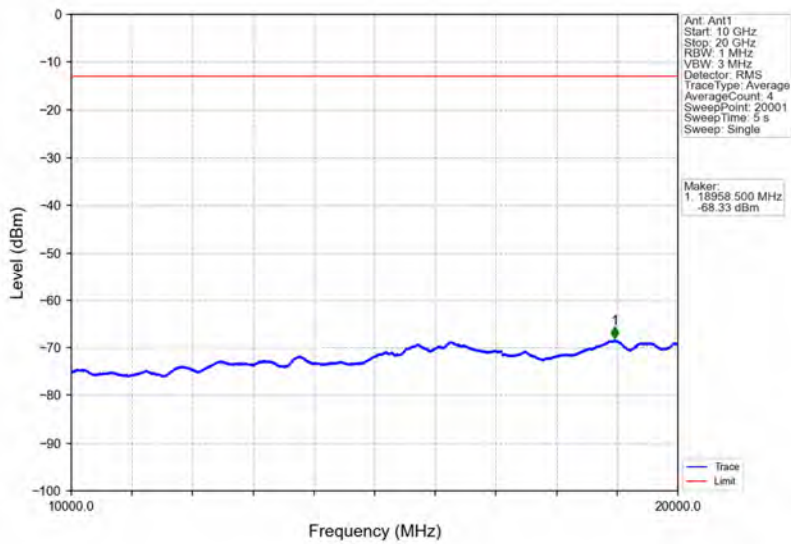
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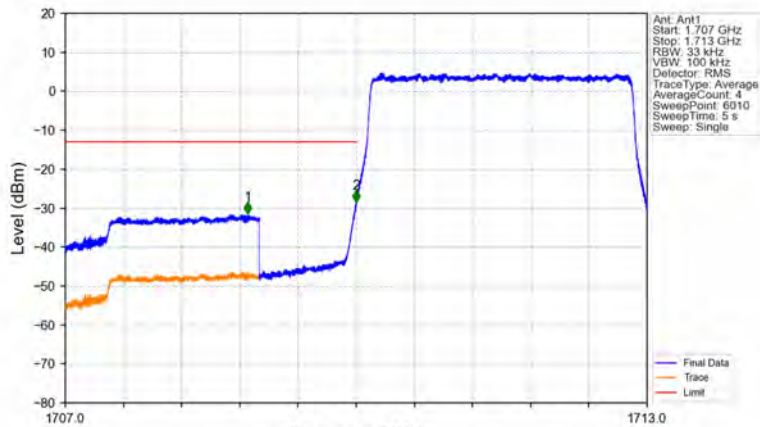
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Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



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	14.81	1	1708.882	-31.46	-13	Pass
1709	1710	0.033	0	2	1710.000	-28.45	-13	Pass
1710	1713	0.033	0	/	/	/	/	/



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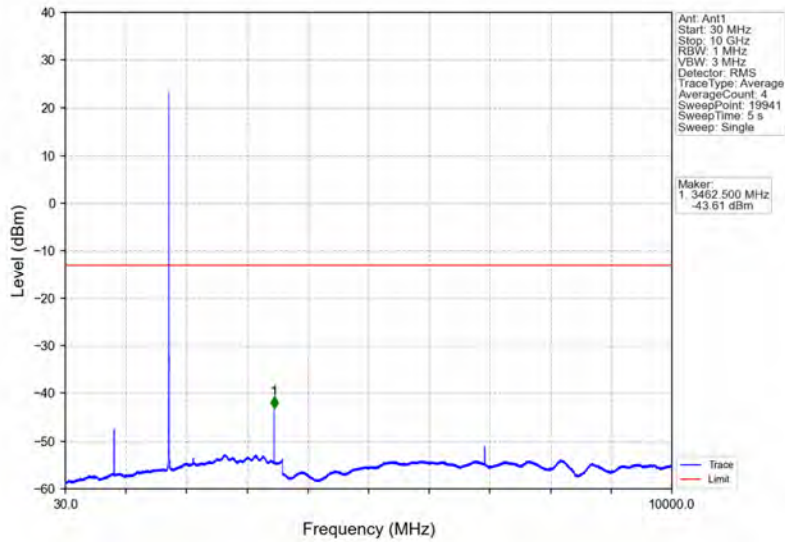
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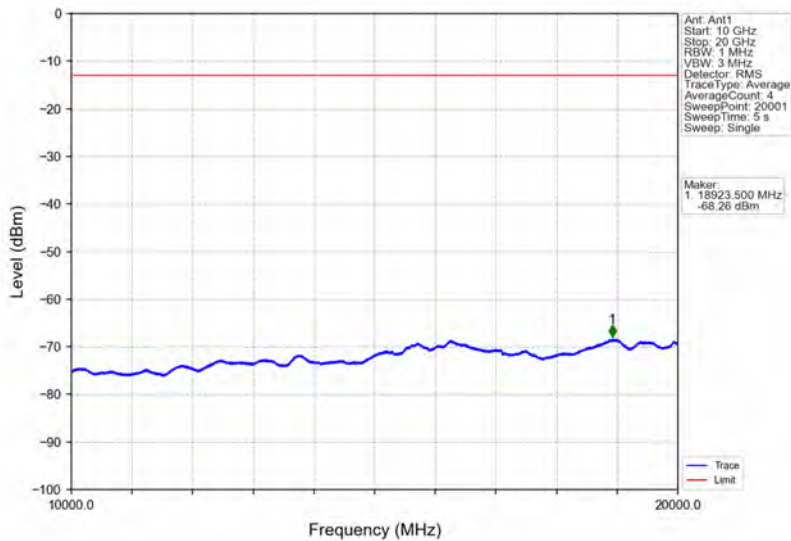
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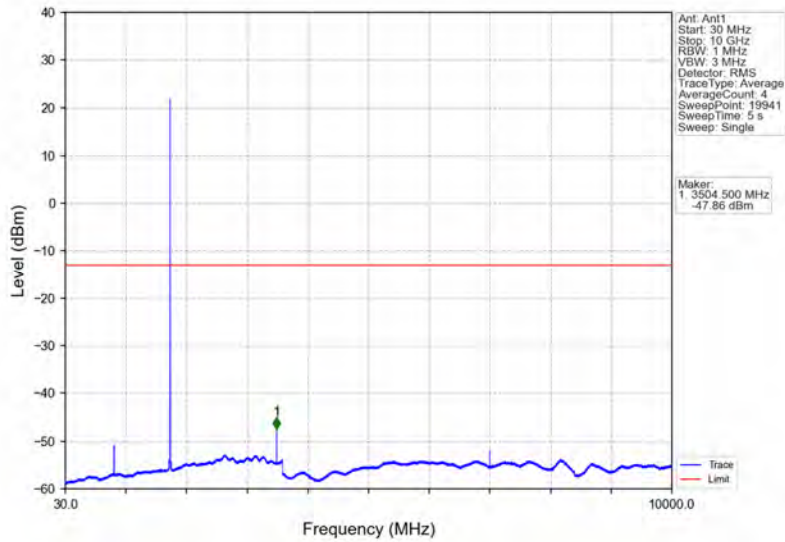
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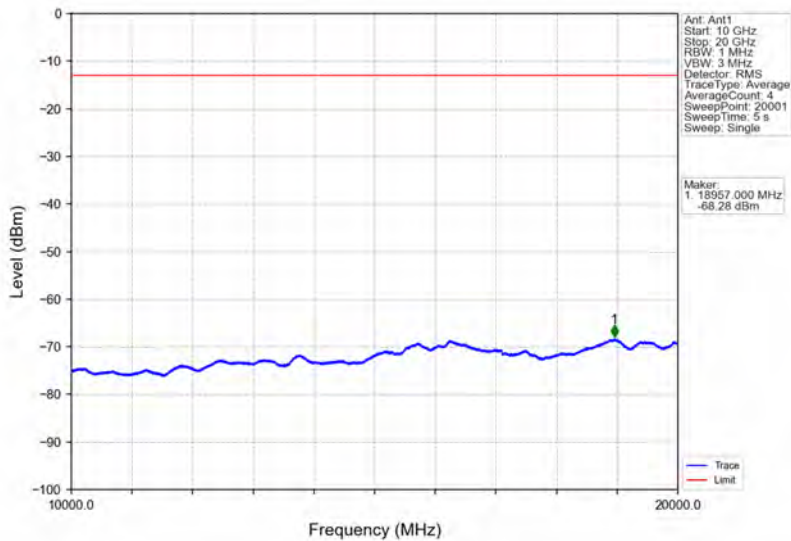


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EMC Laboratory

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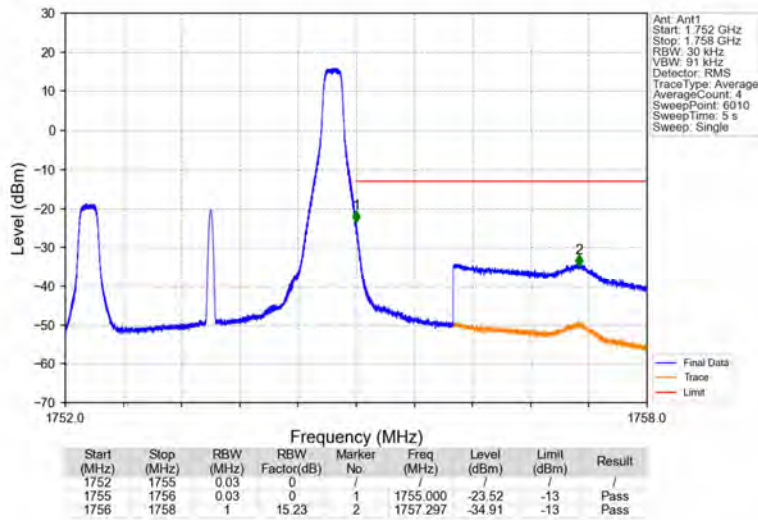
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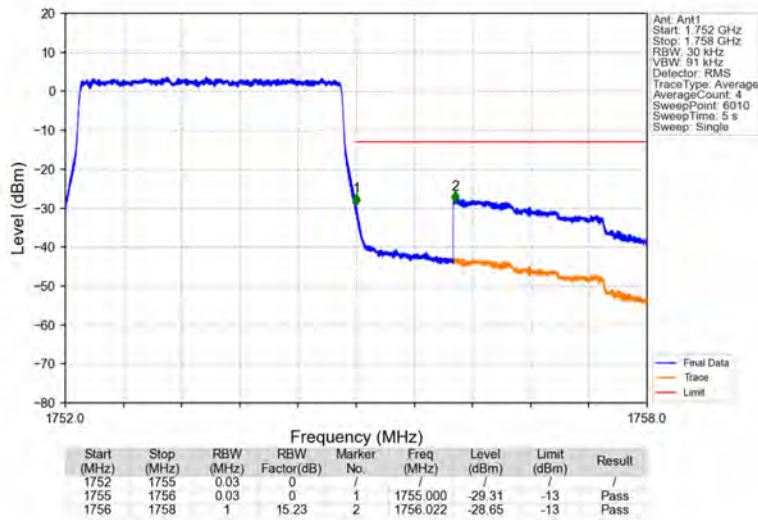
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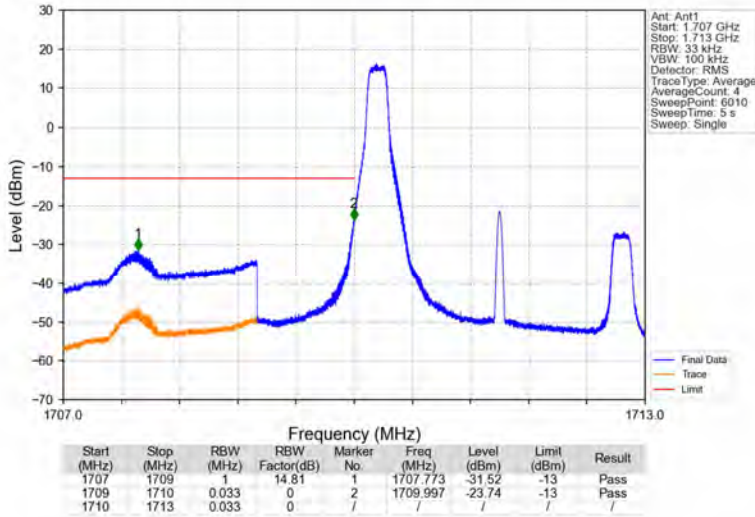
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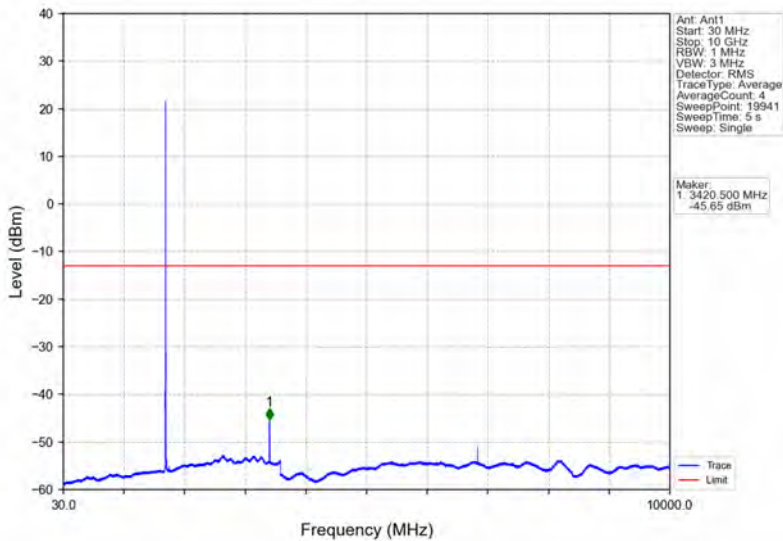
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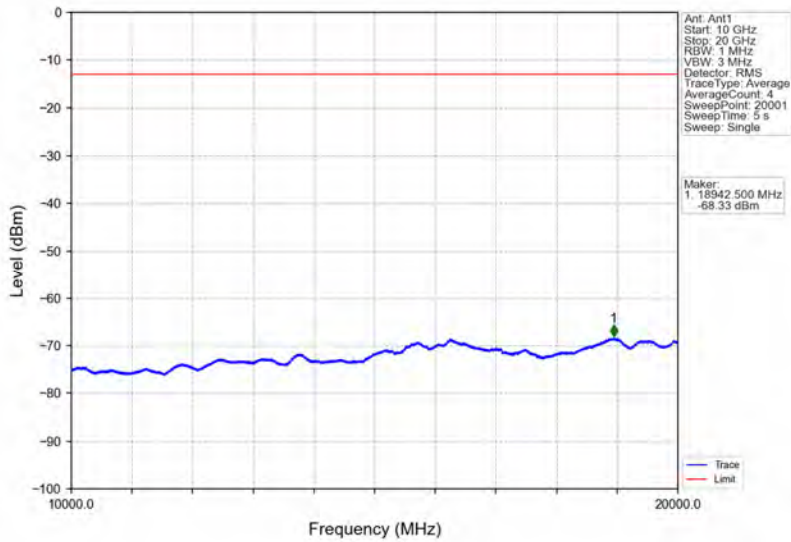
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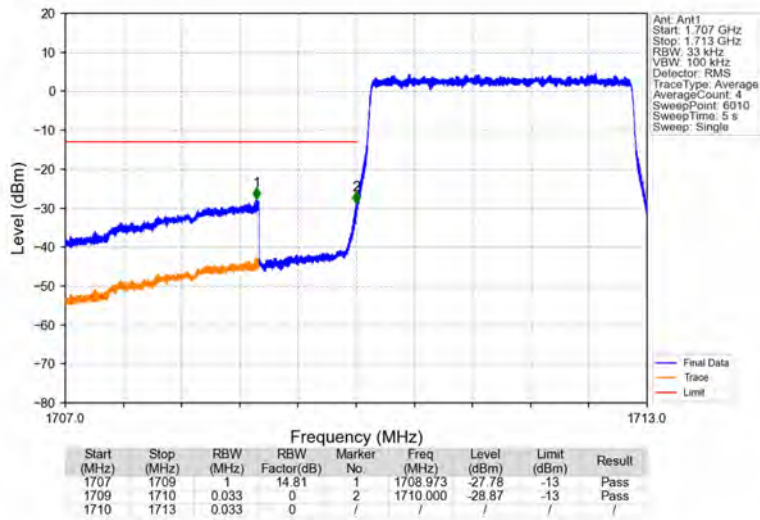
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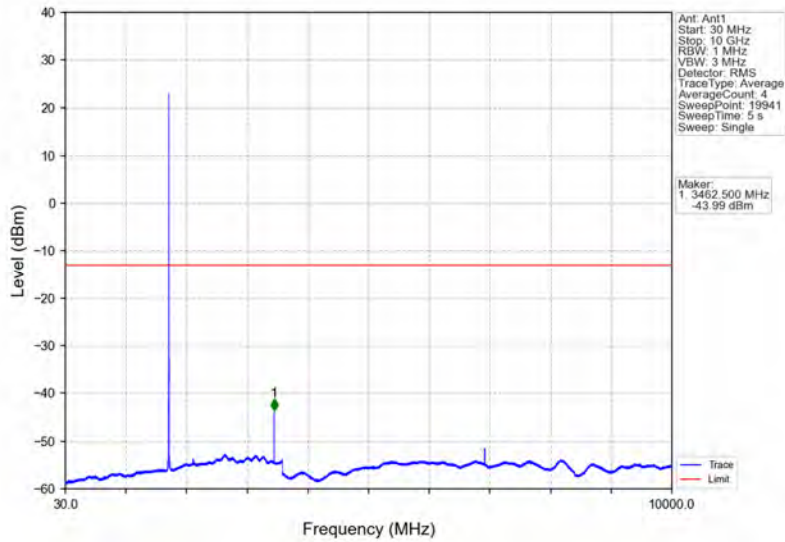


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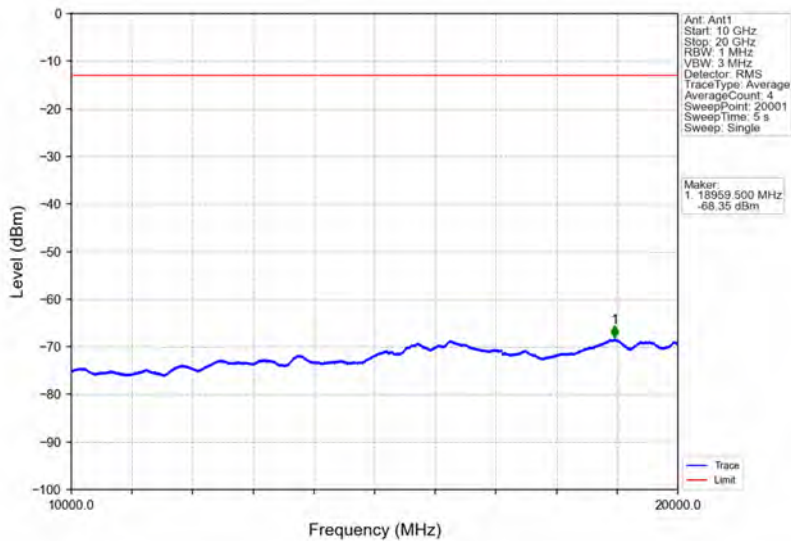
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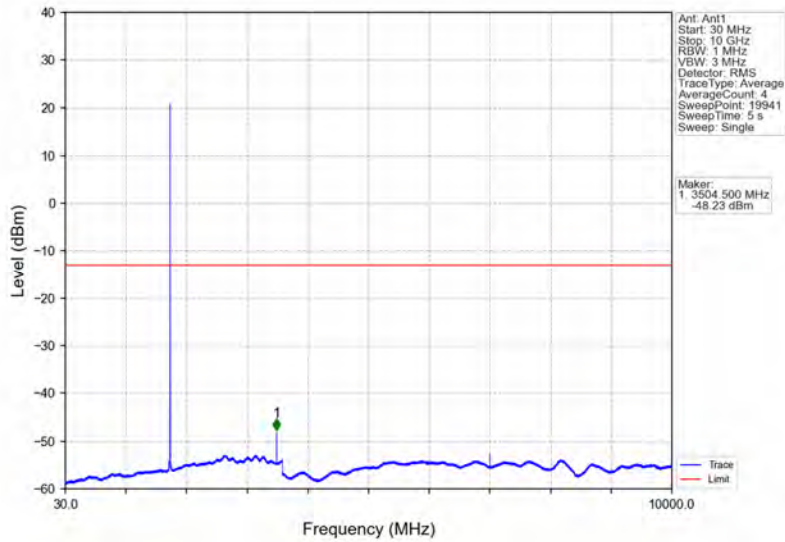
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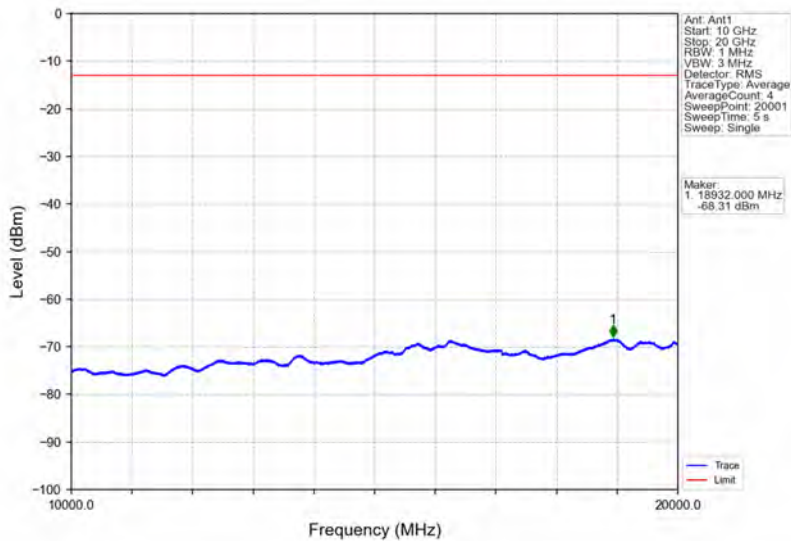
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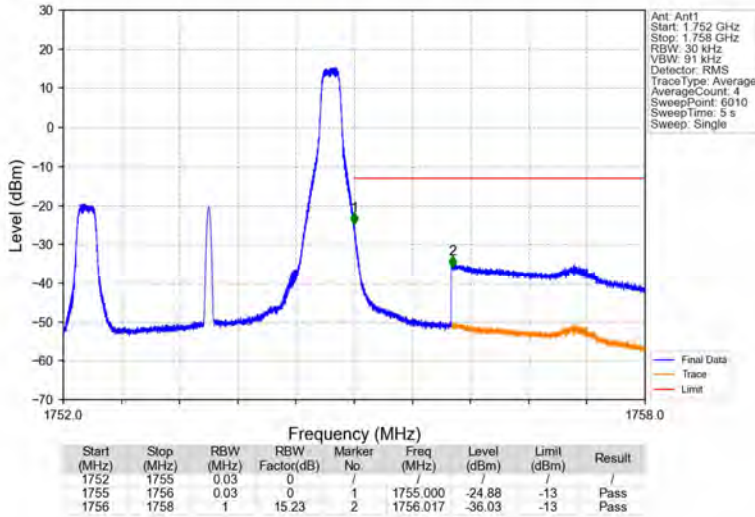
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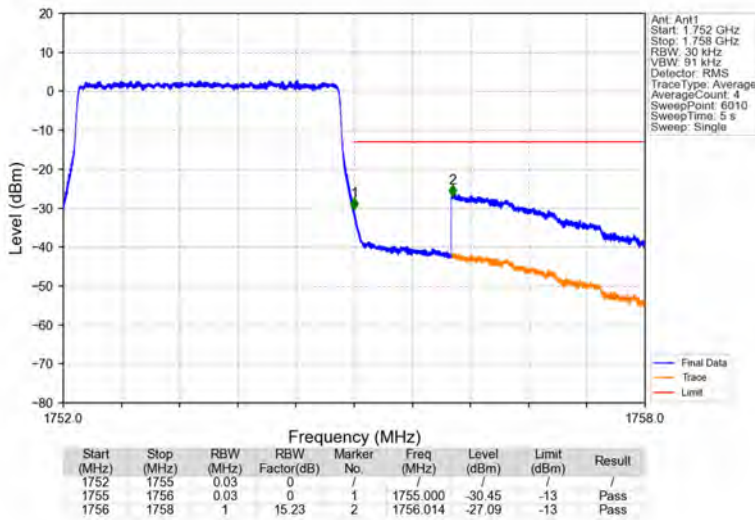
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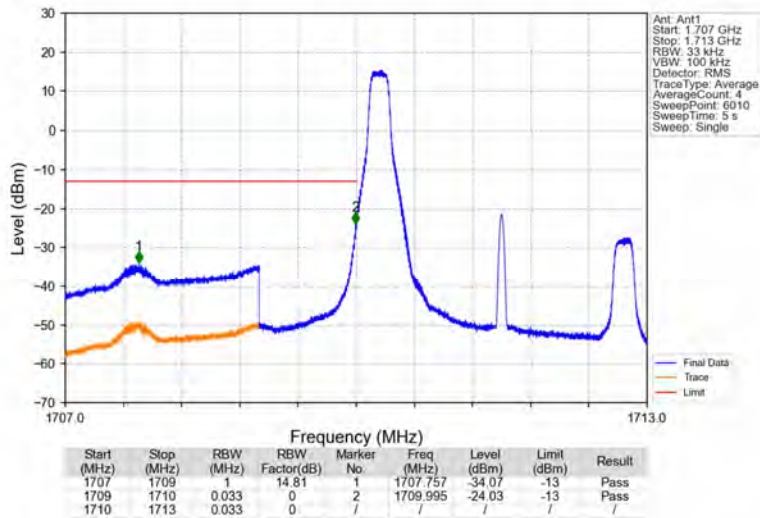


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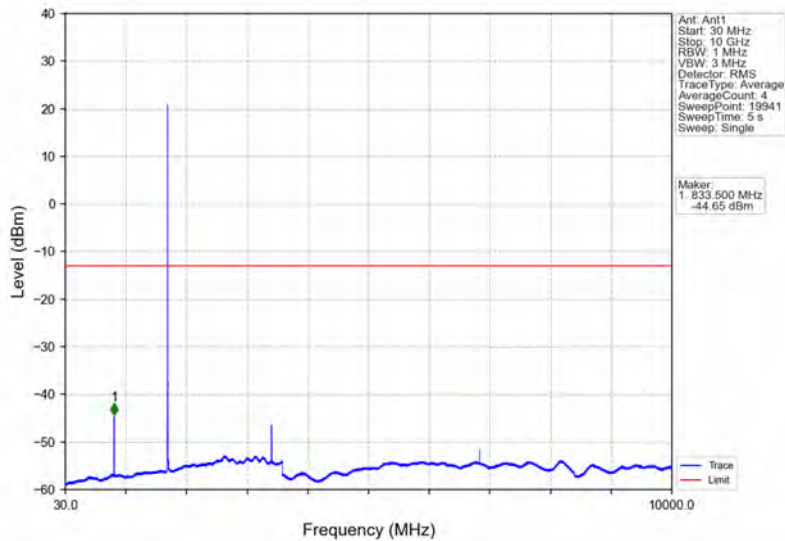
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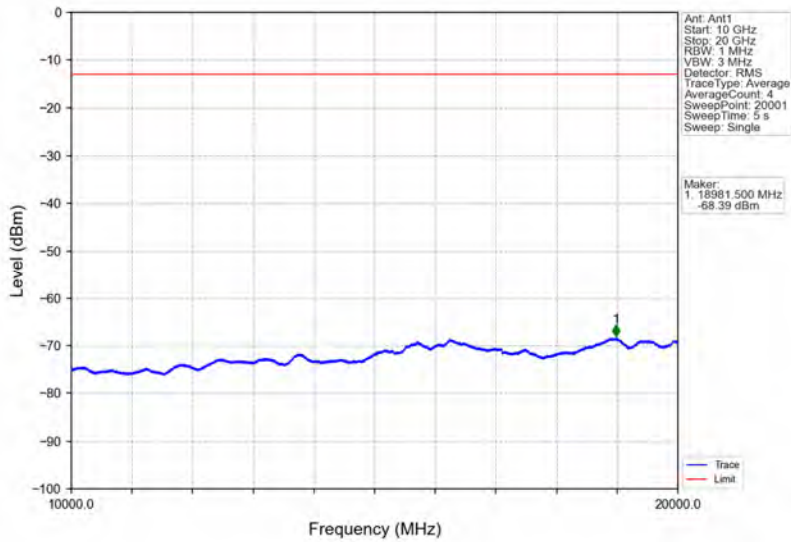
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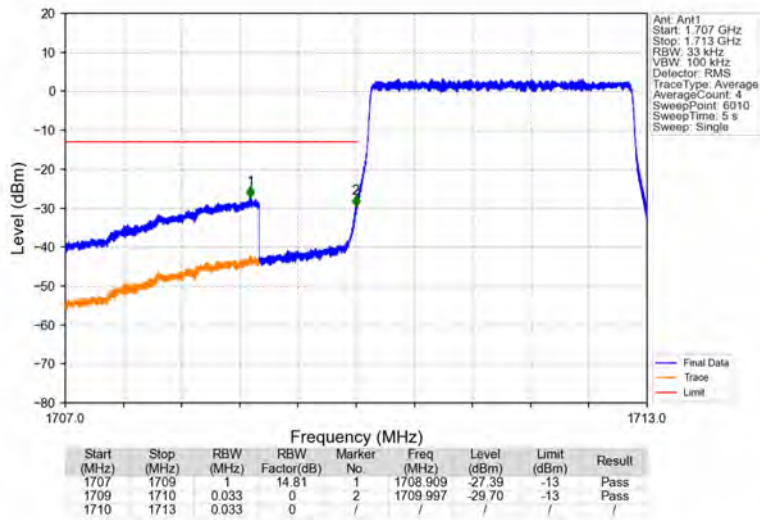
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Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV

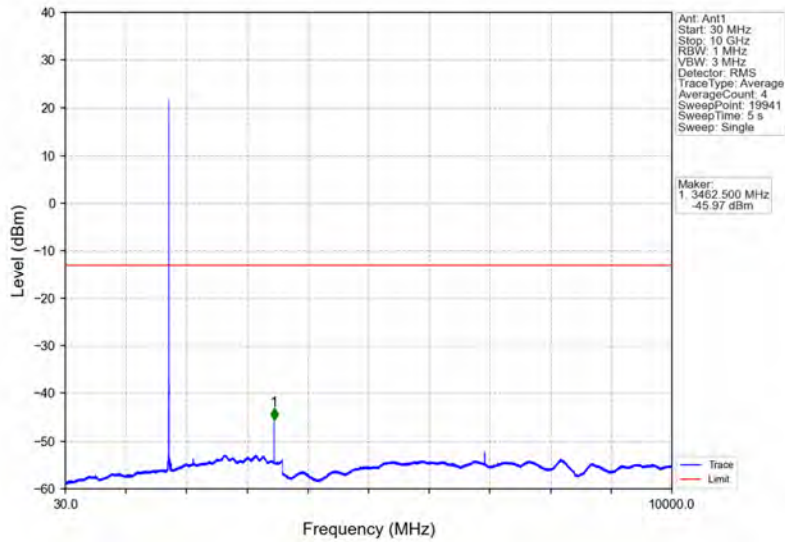


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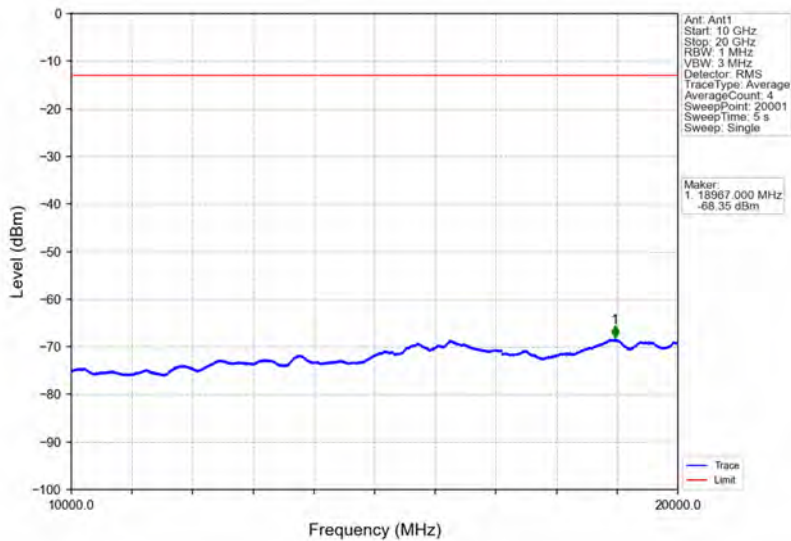
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Band4_3MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



Band4_3MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



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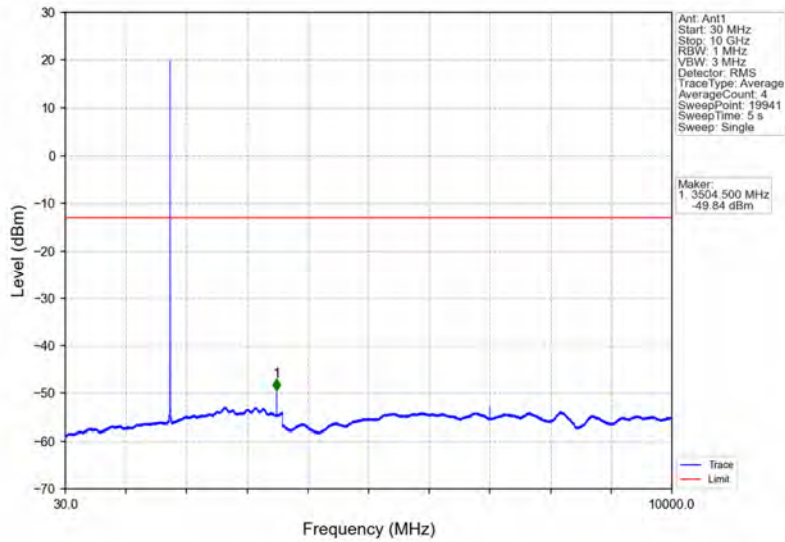
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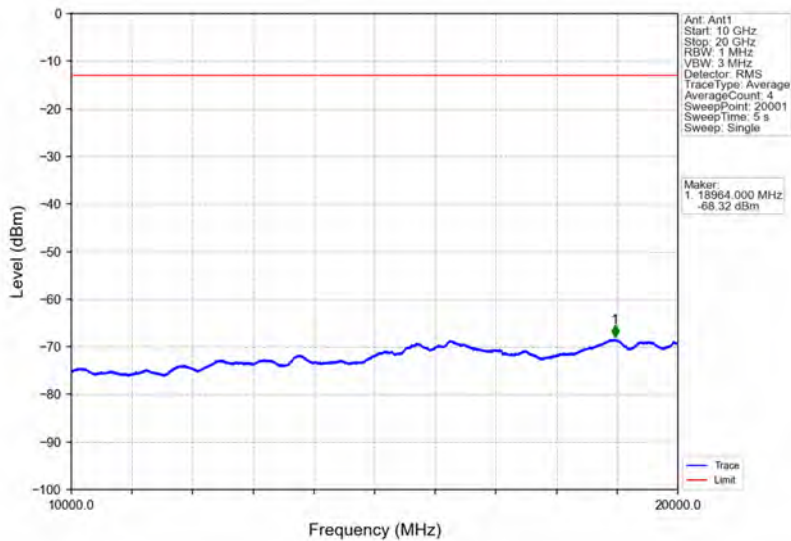
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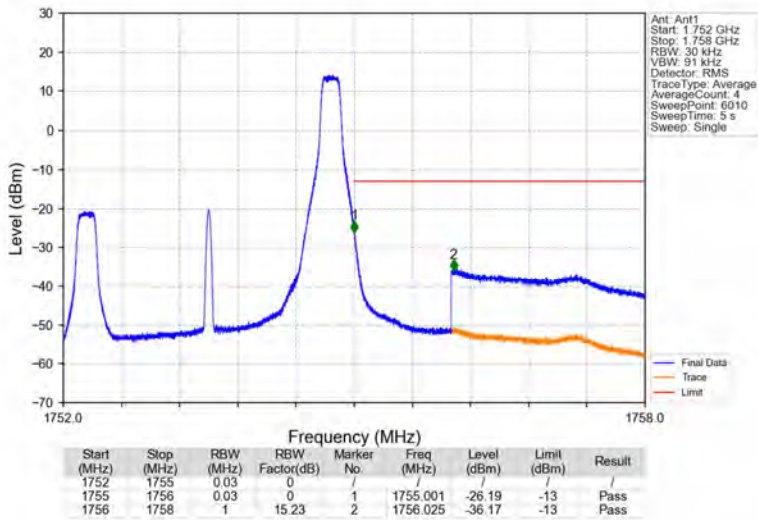
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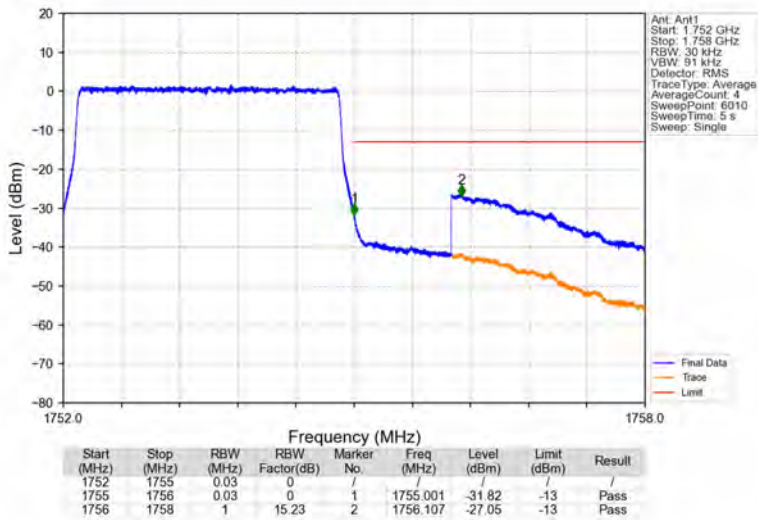
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Band4_3MHz_64QAM_HCH_1753.5MHz_RB_1_14_NTNV



Band4_3MHz_64QAM_HCH_1753.5MHz_RB_15_0_NTNV



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6.3 B4_5MHz

6.3.1 Test Result

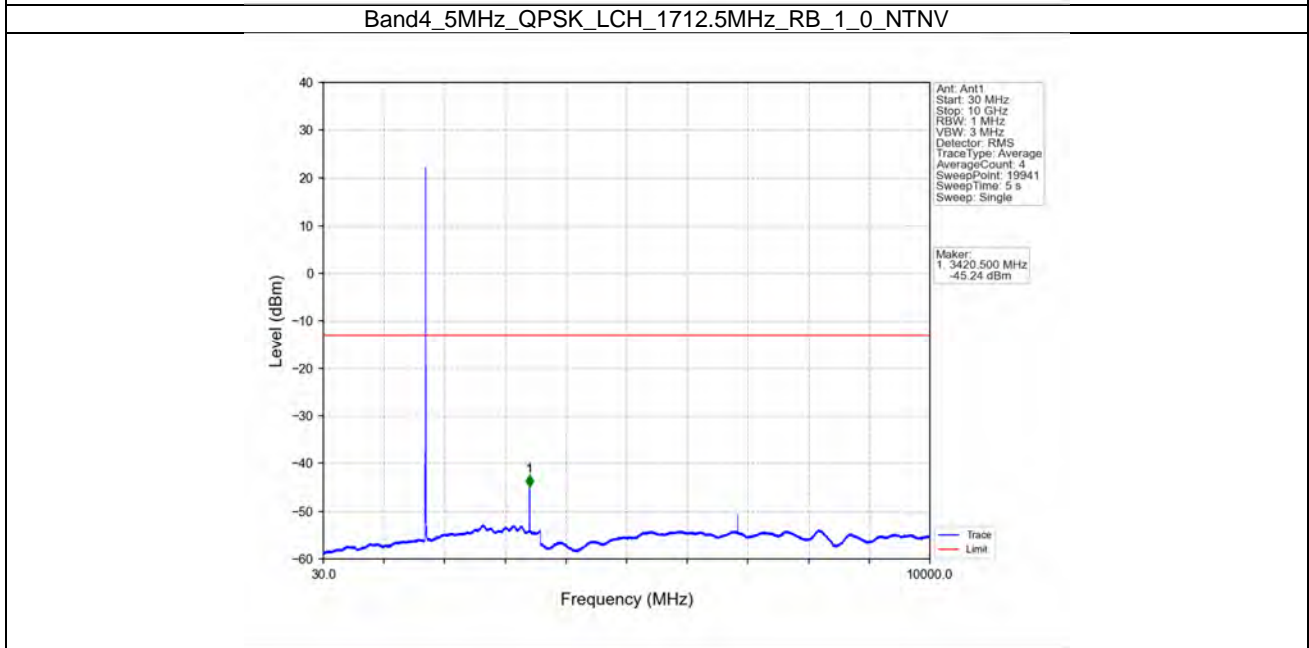
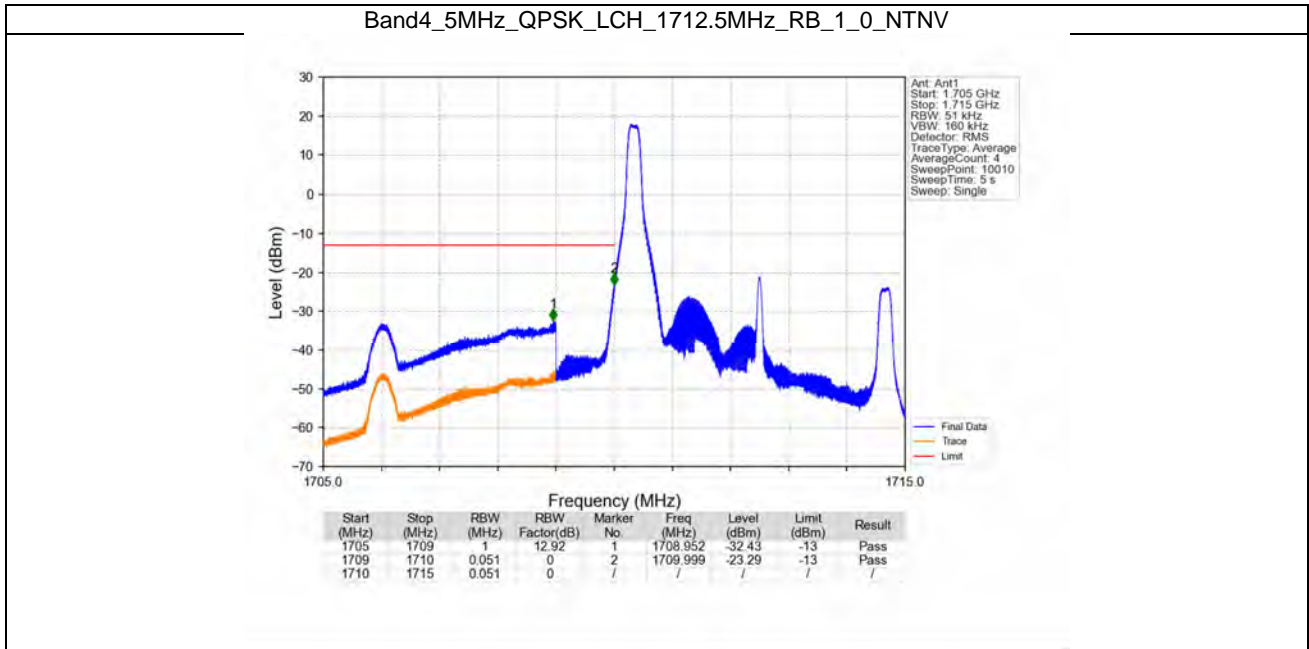
Band: 4 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1752.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test 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
	1752.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
64QAM	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1752.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass



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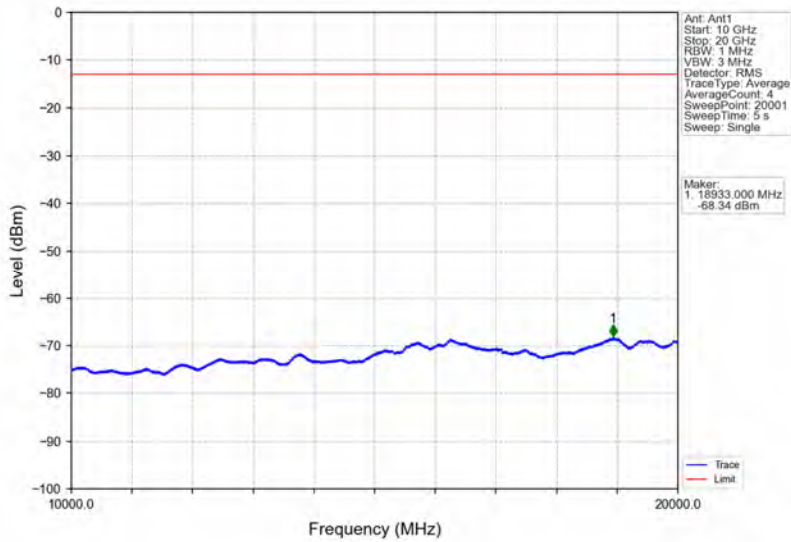
6.3.2 Test Graph



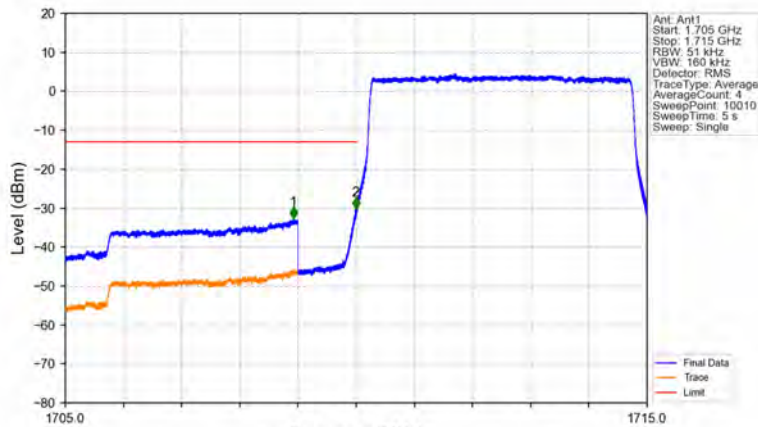
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Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



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	1708.922	-32.68	-13	Pass
1709	1710	0.051	0	2	1709.996	-30.28	-13	Pass
1710	1715	0.051	0	/	/	/	/	/



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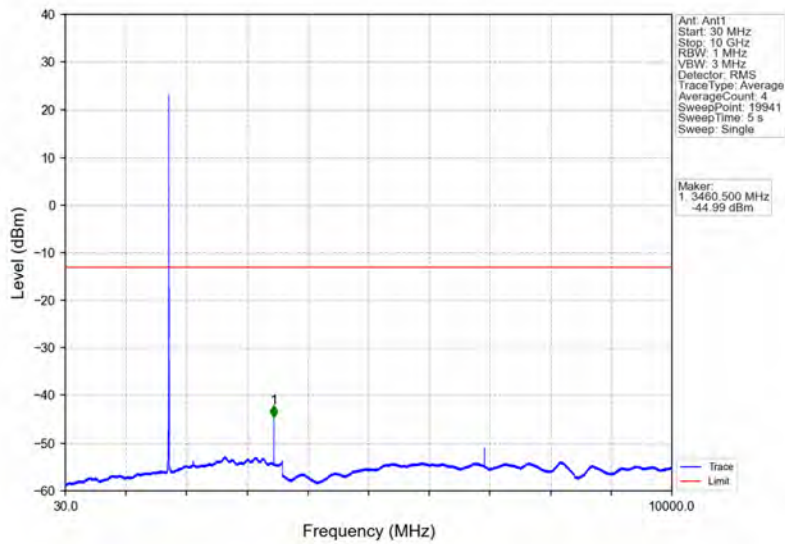
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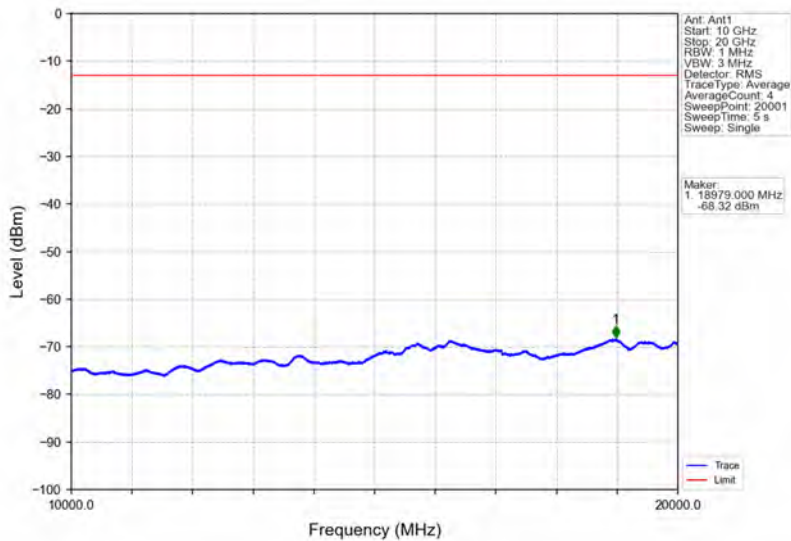
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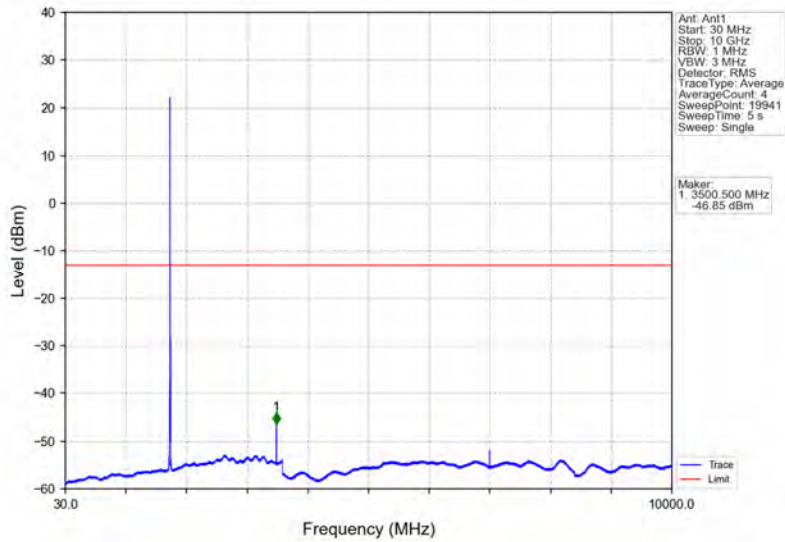
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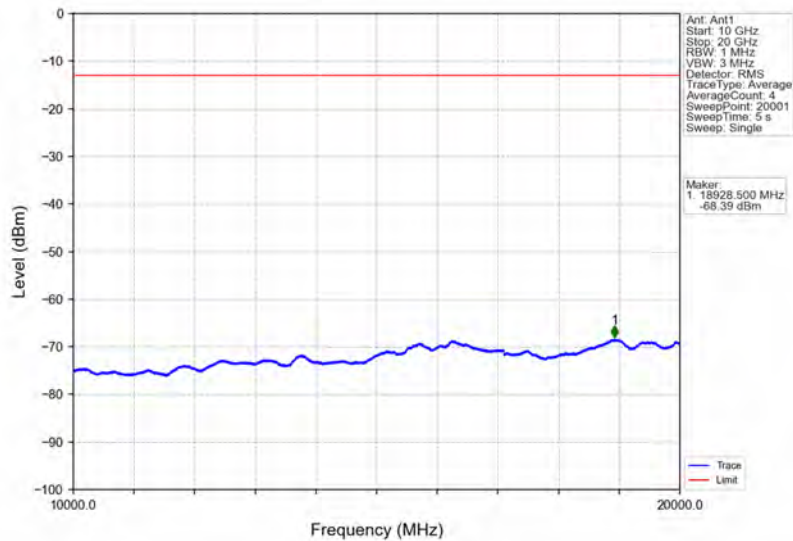
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Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



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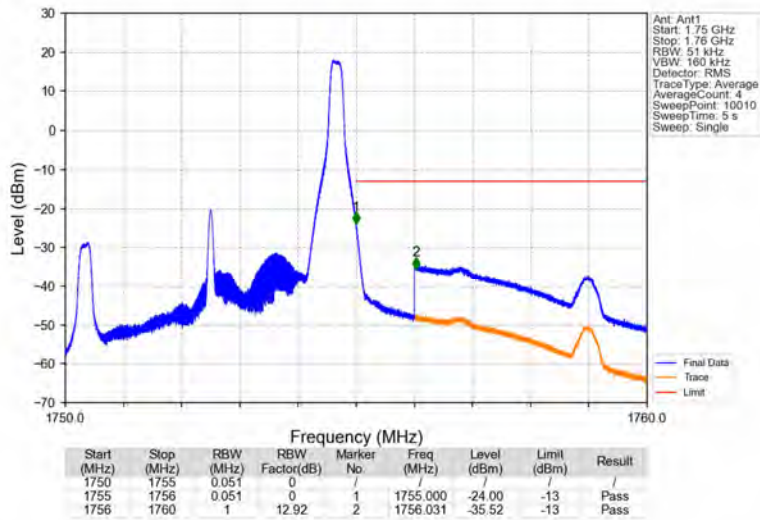
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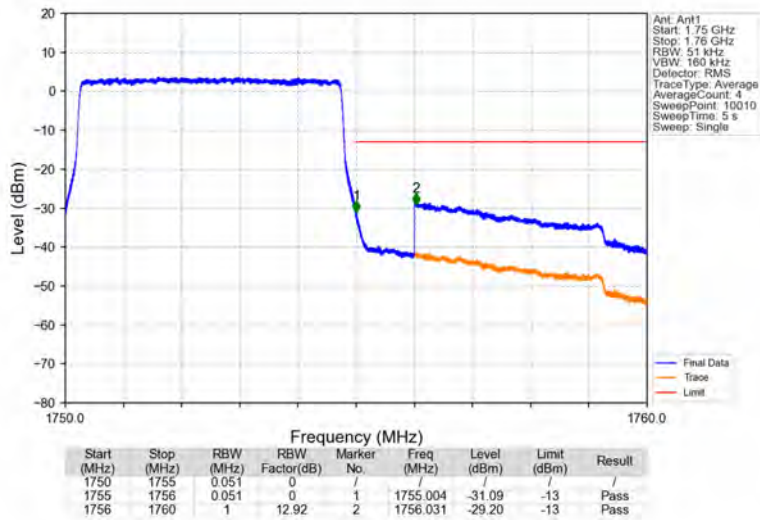
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Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



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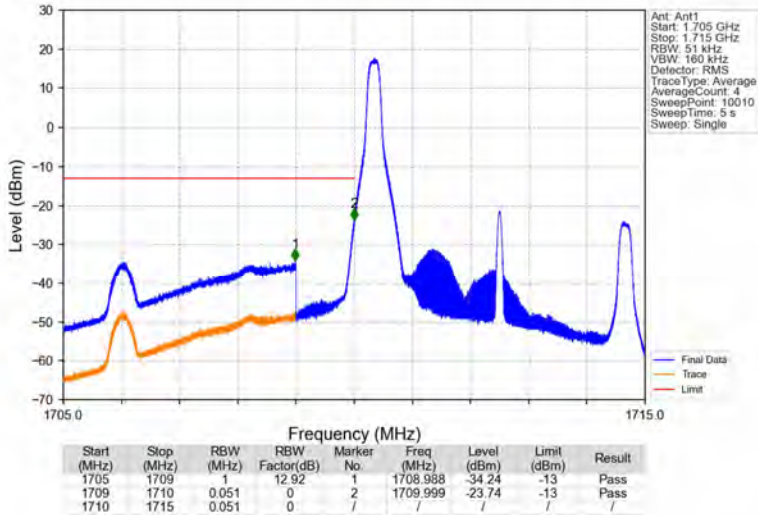
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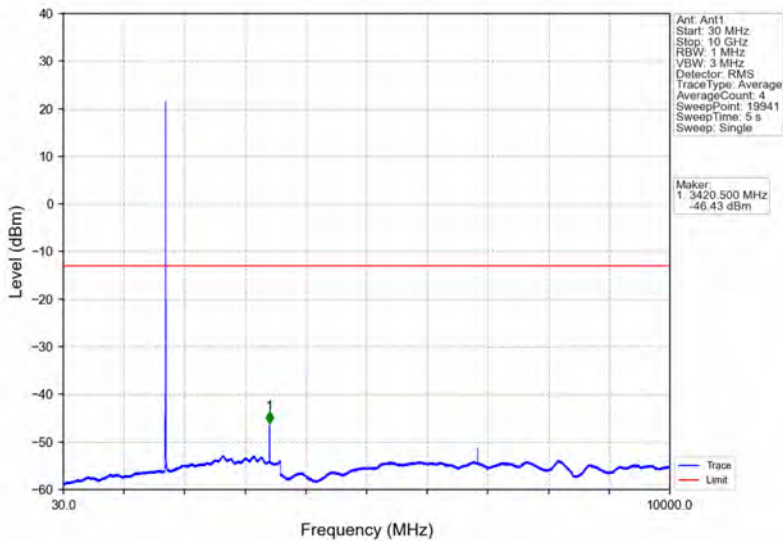
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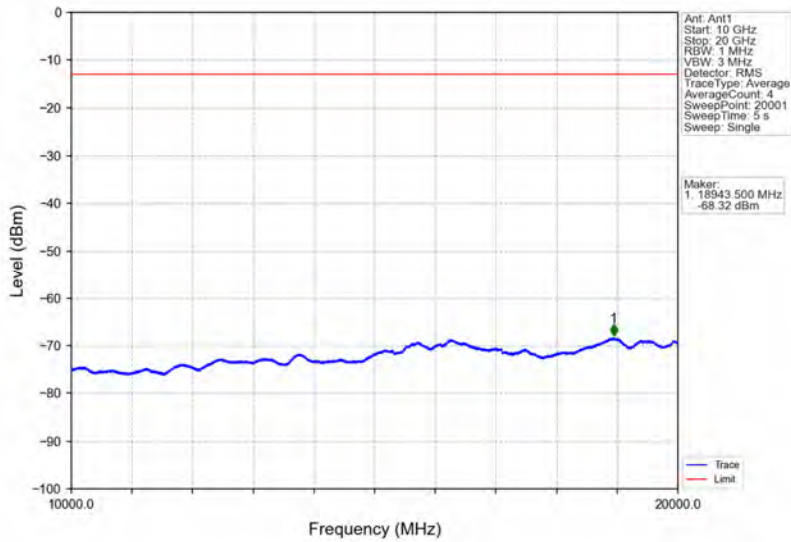


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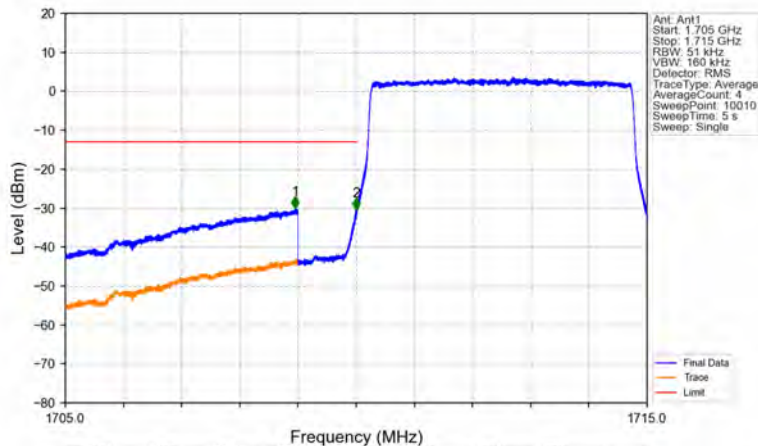
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Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_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	1708.952	-30.14	-13	Pass
1709	1710	0.051	0	2	1710.000	-30.40	-13	Pass
1710	1715	0.051	0	/	/	/	/	/



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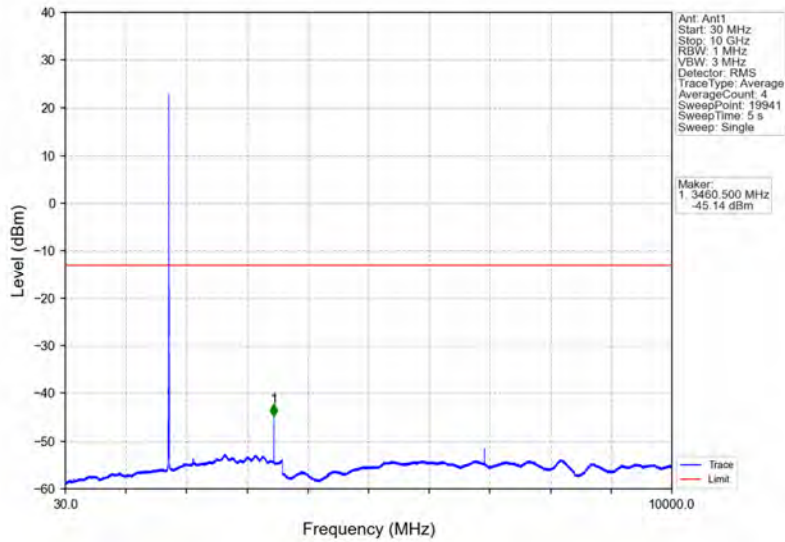
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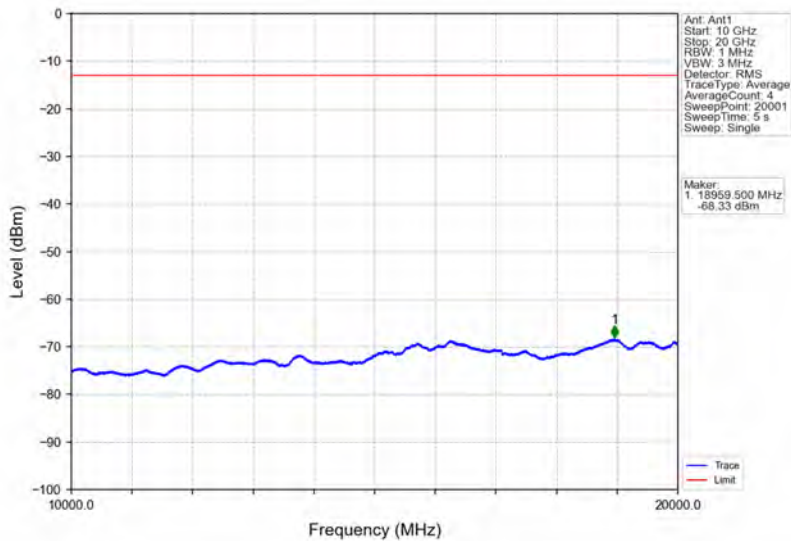
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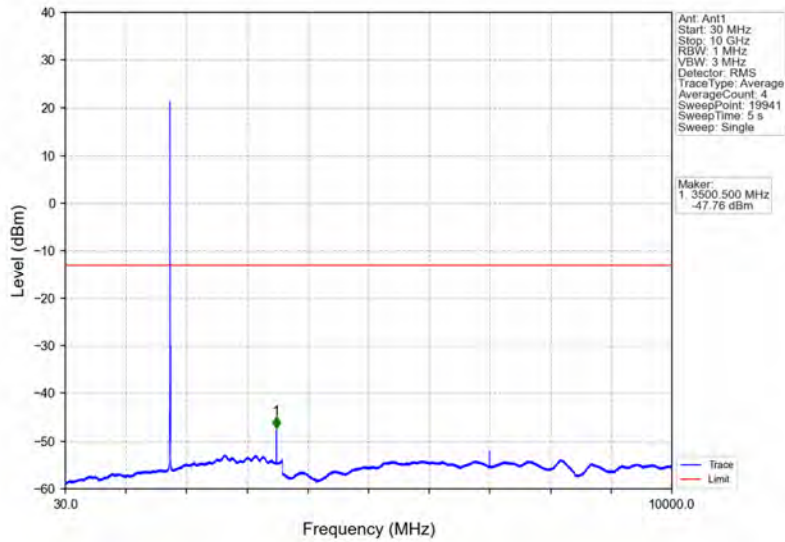
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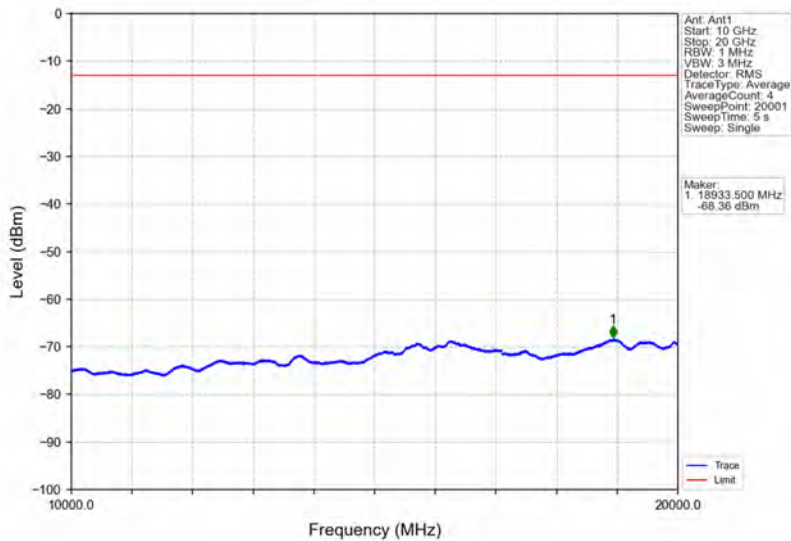
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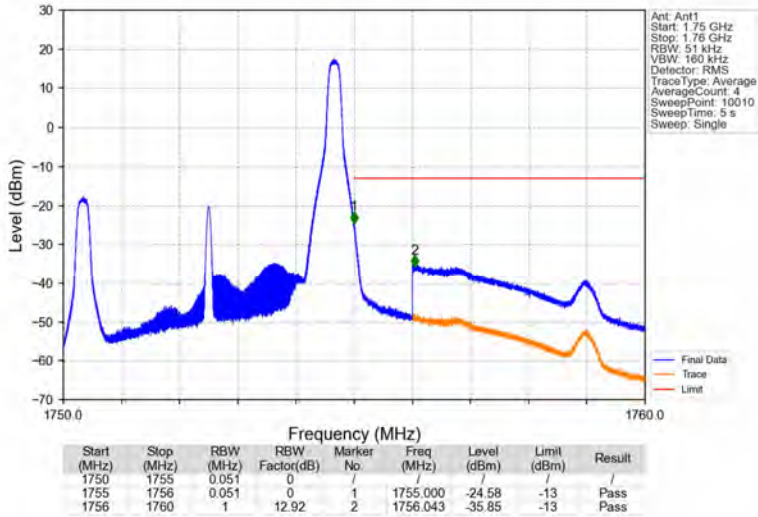
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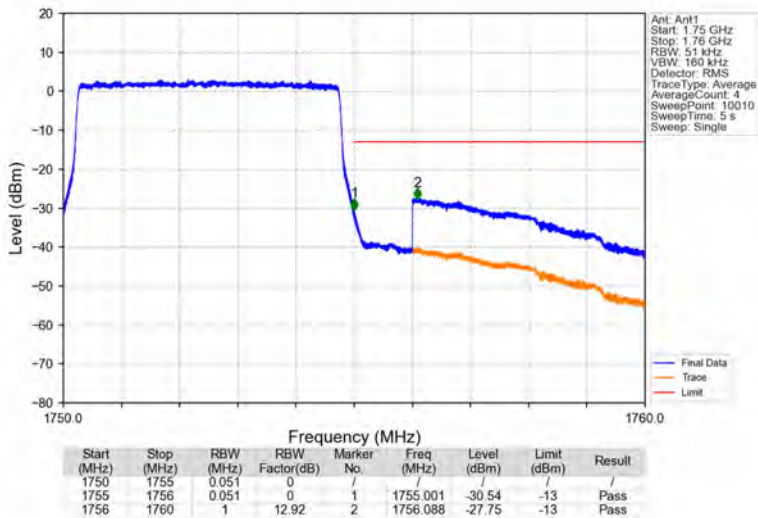


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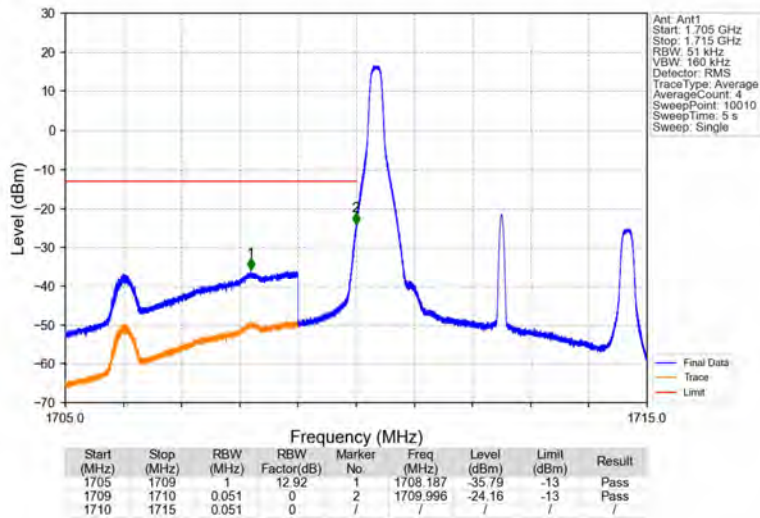
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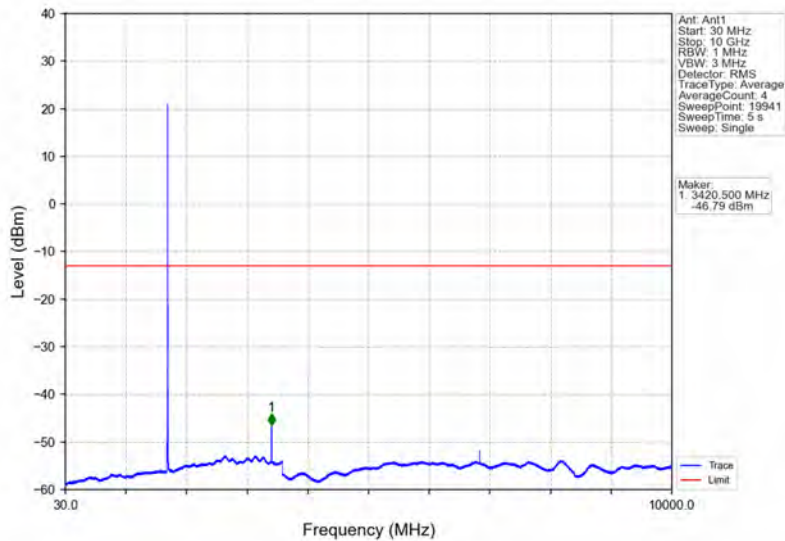
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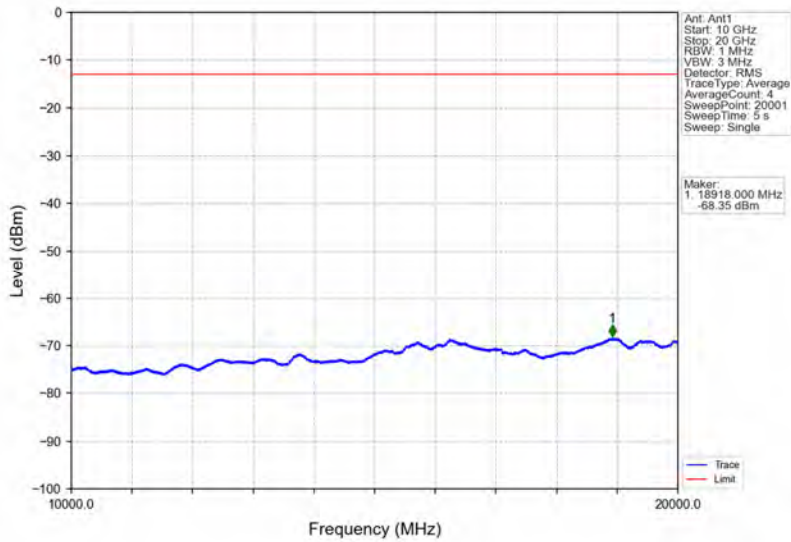
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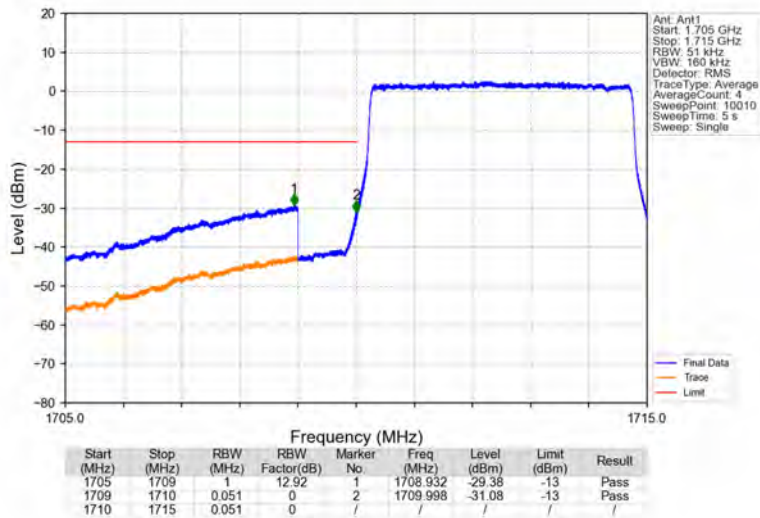
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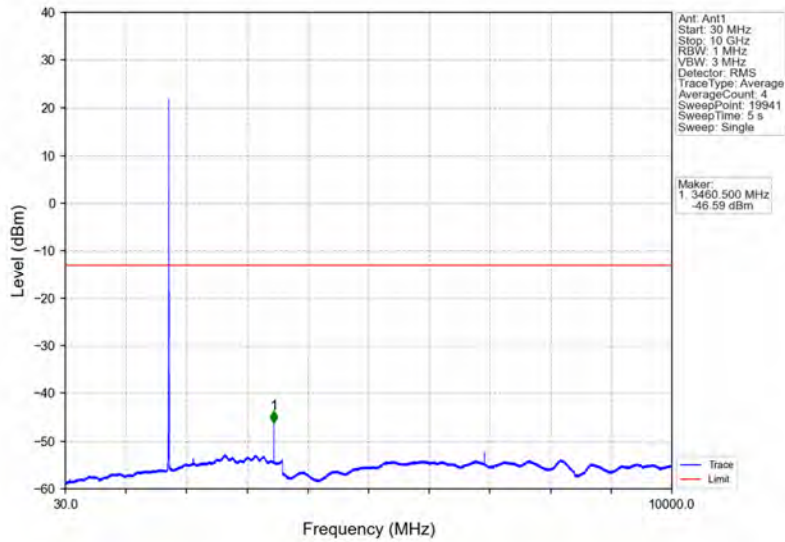
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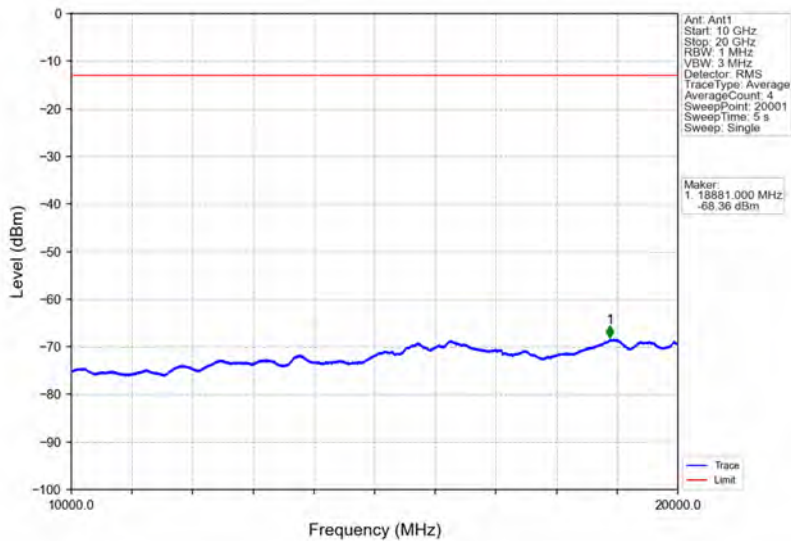
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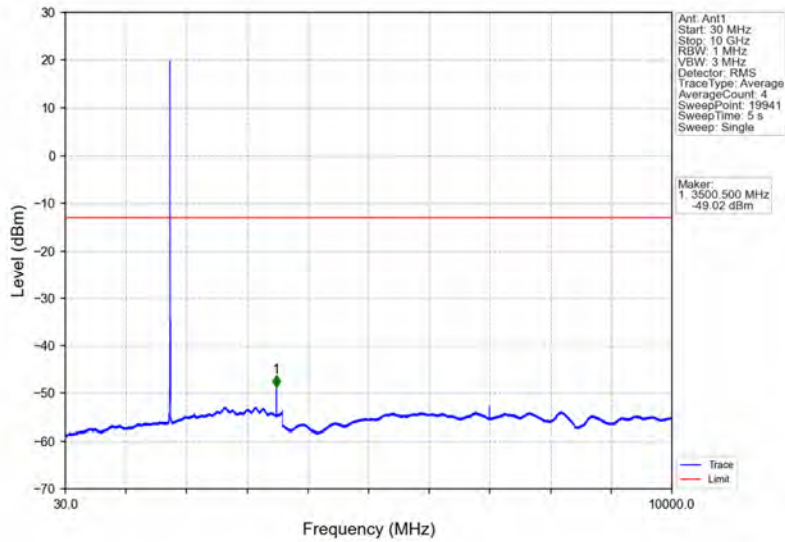
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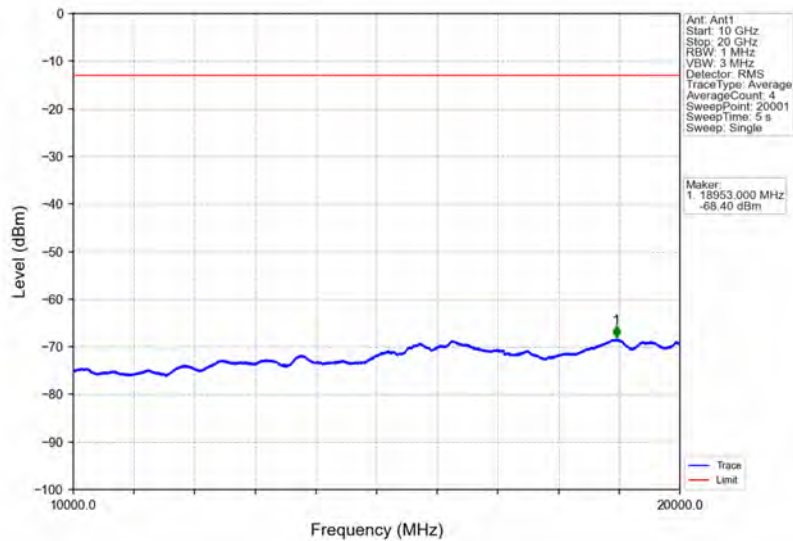
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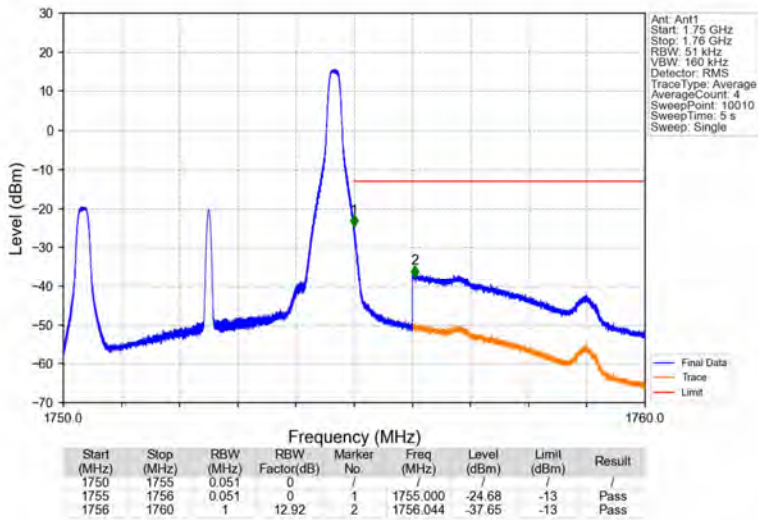
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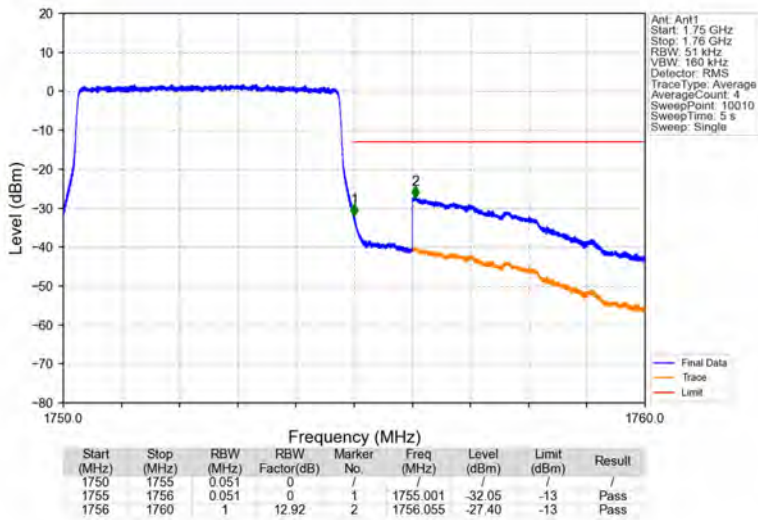
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6.4 B4_10MHz

6.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTN						
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
64QAM	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



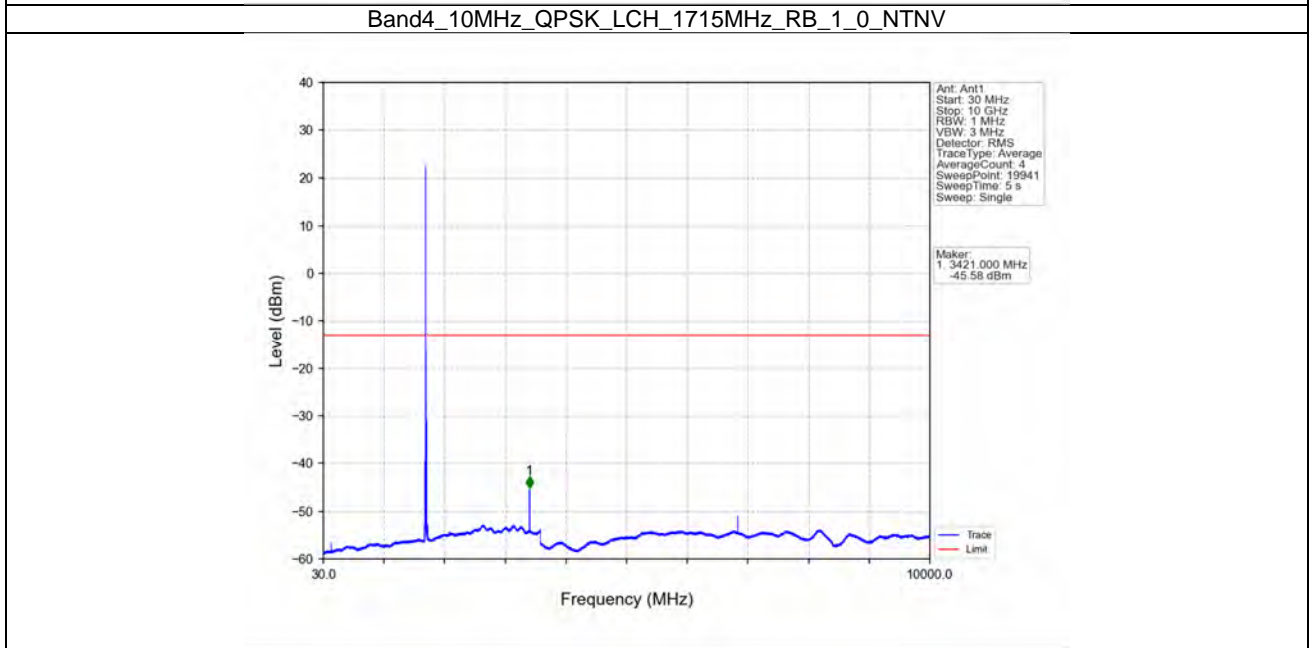
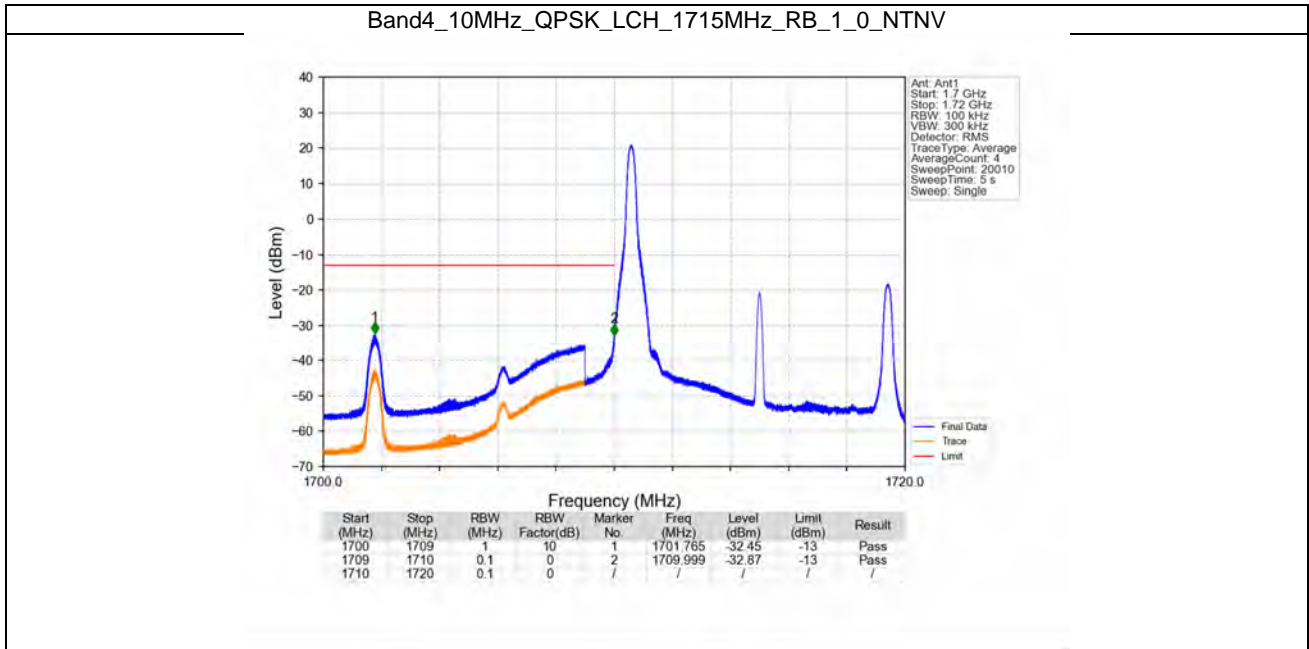
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6.4.2 Test Graph

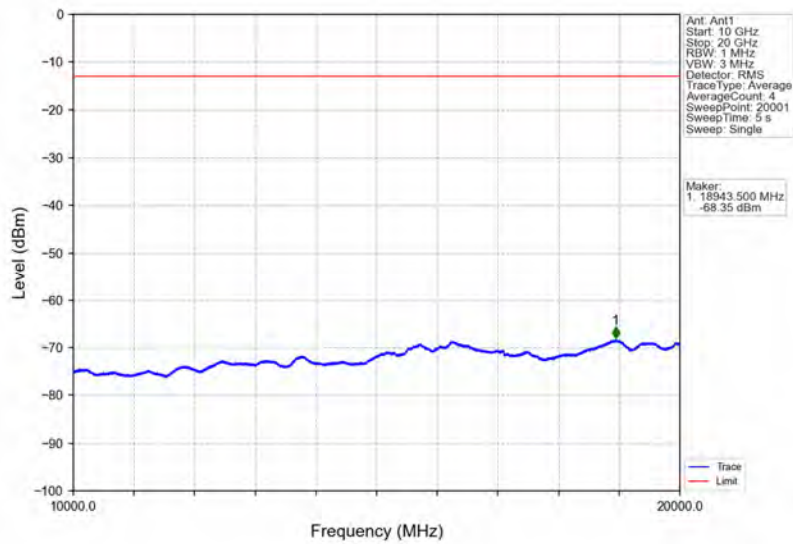


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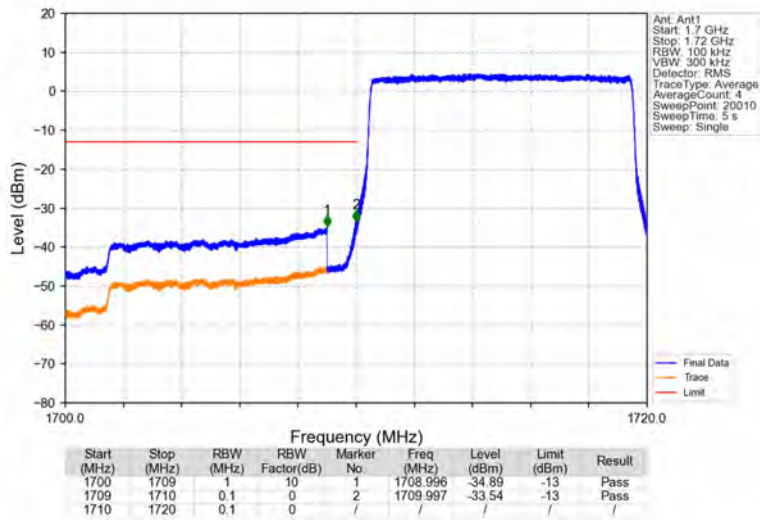
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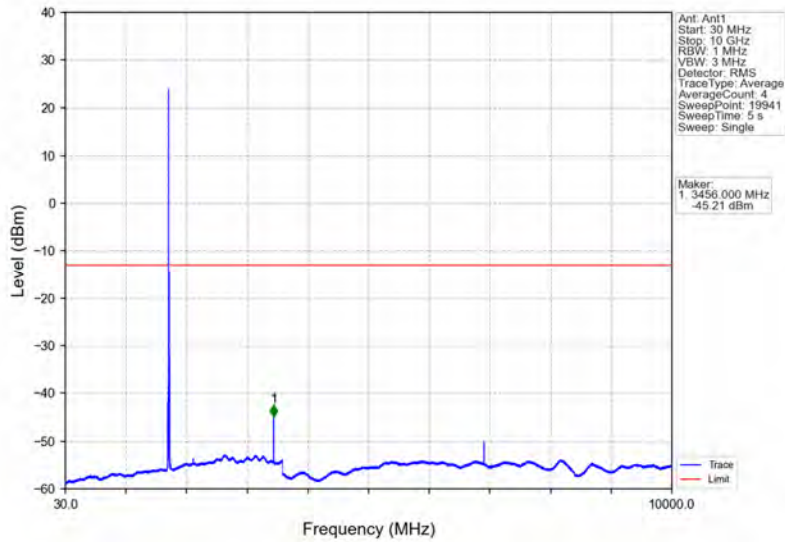
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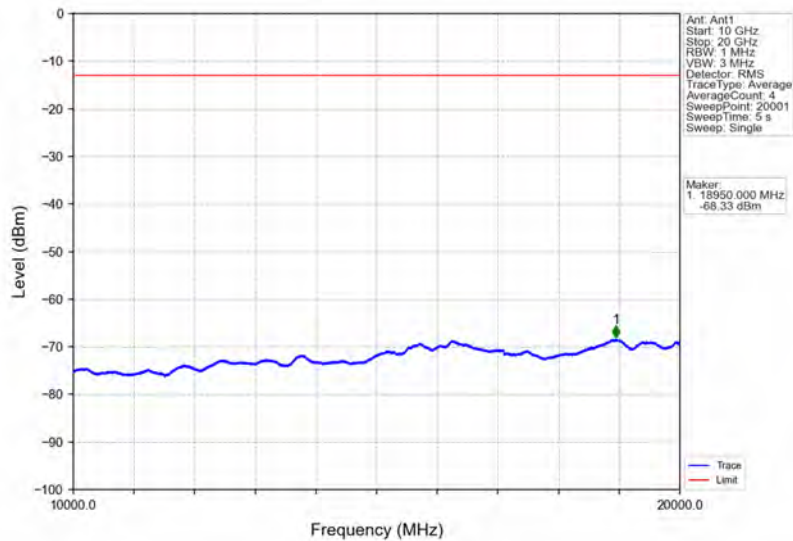


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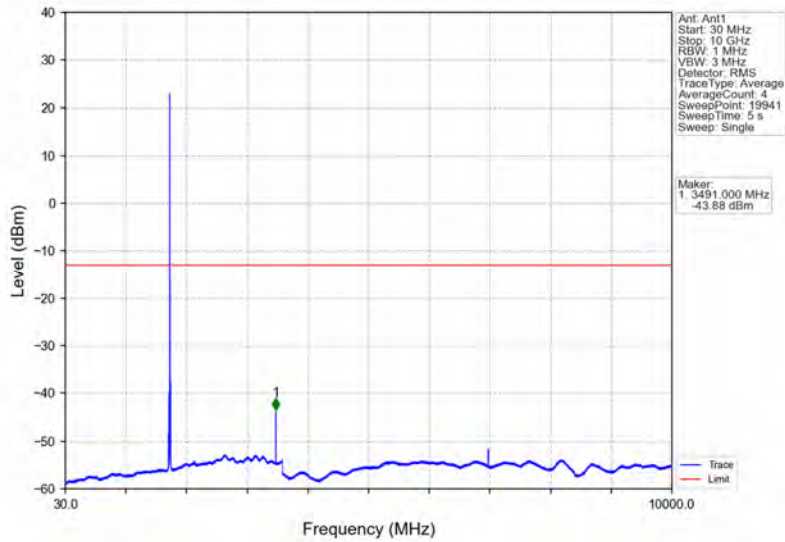
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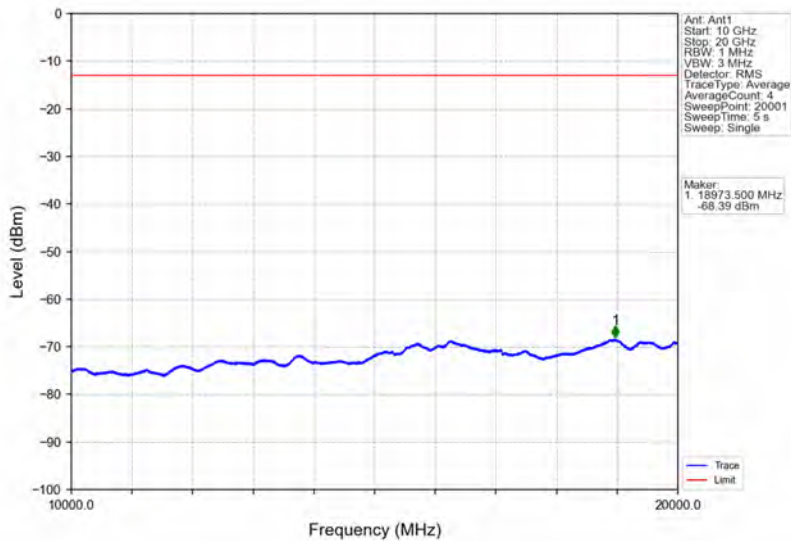
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Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



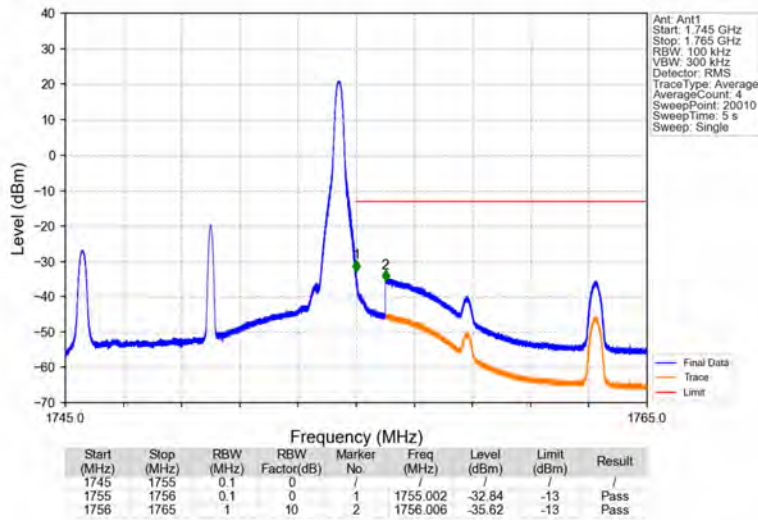
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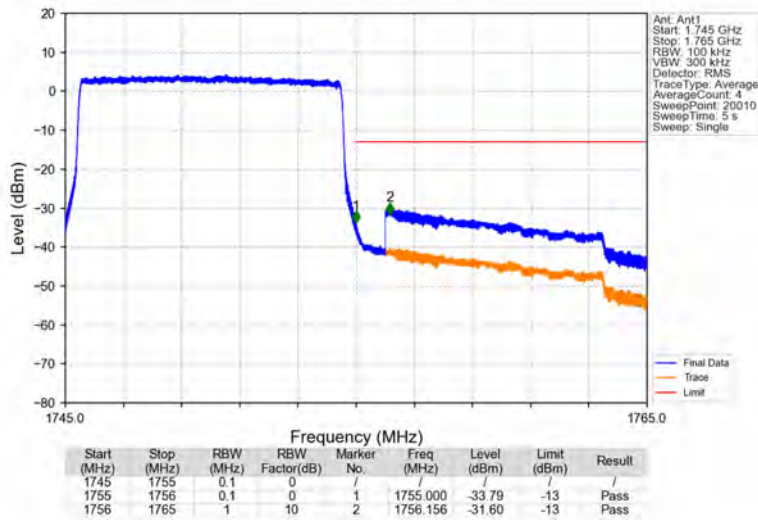
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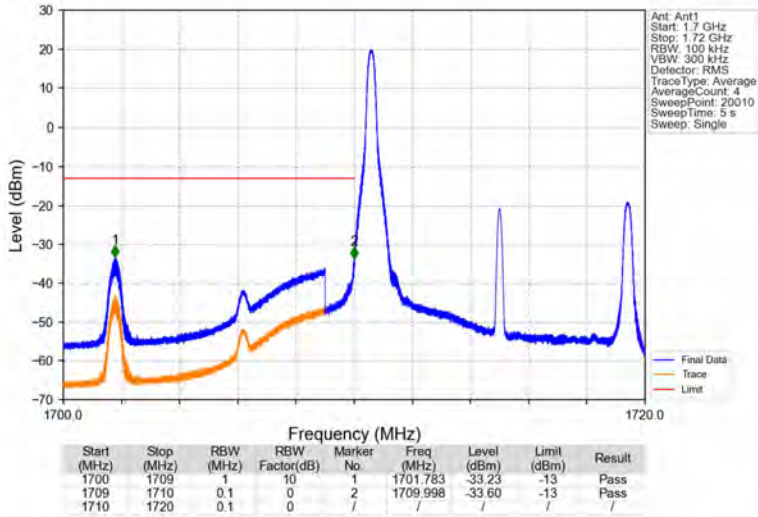
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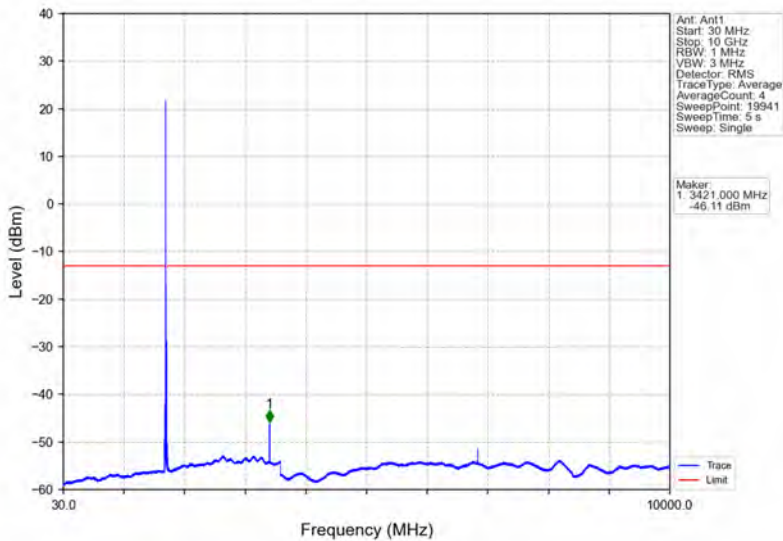
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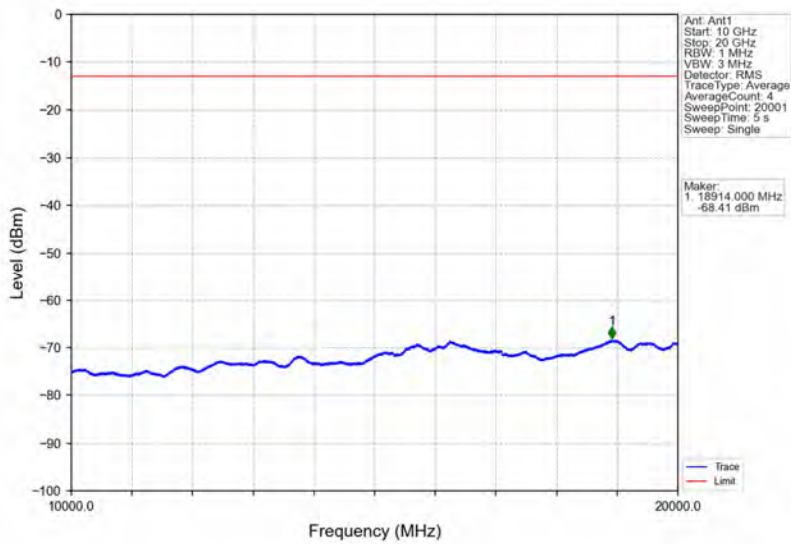


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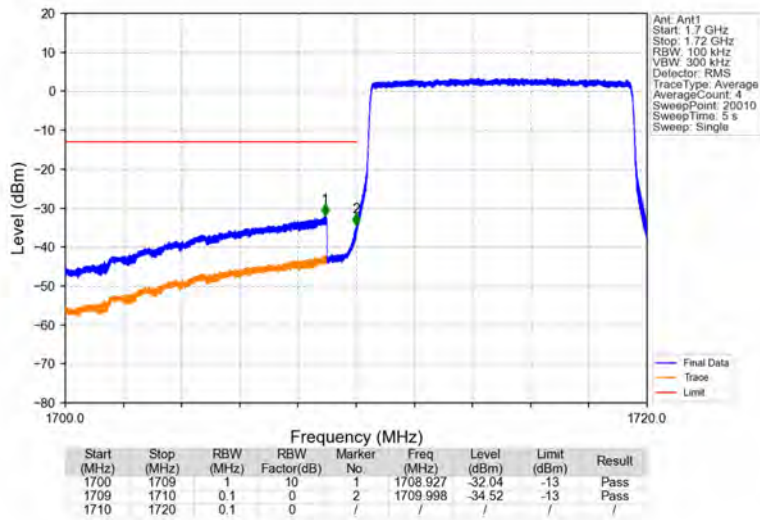
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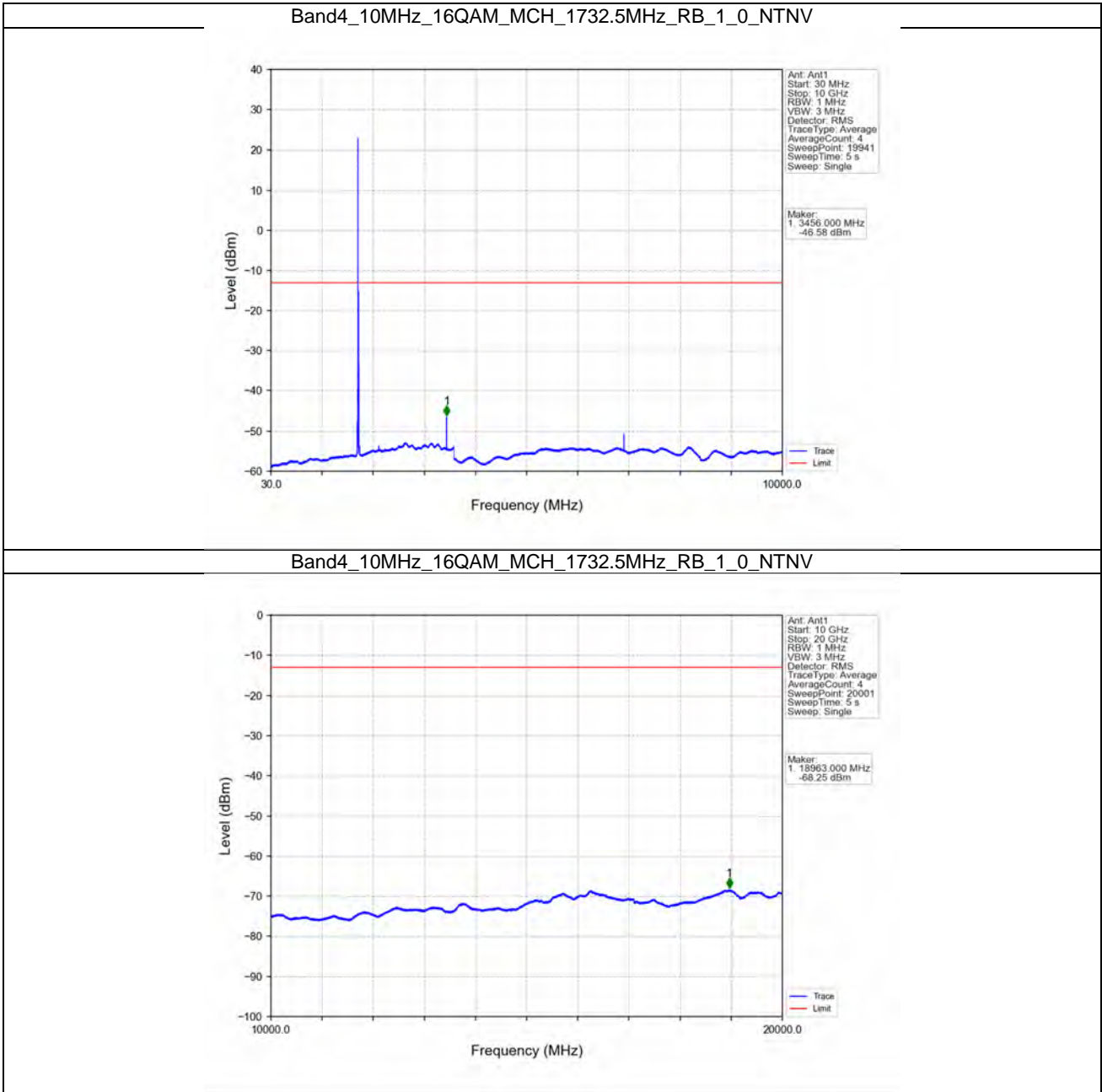
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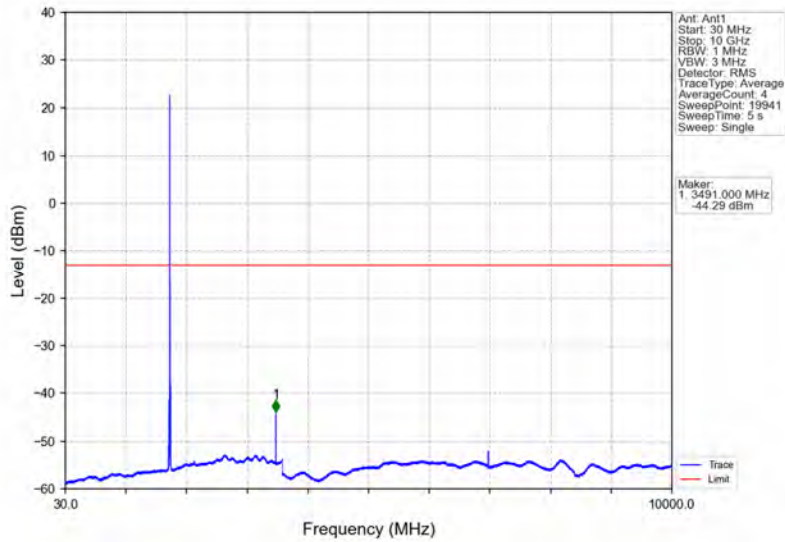
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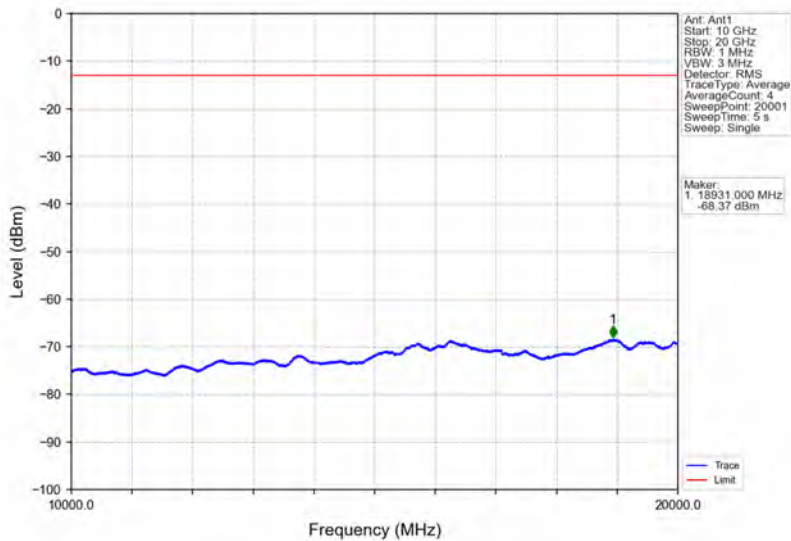
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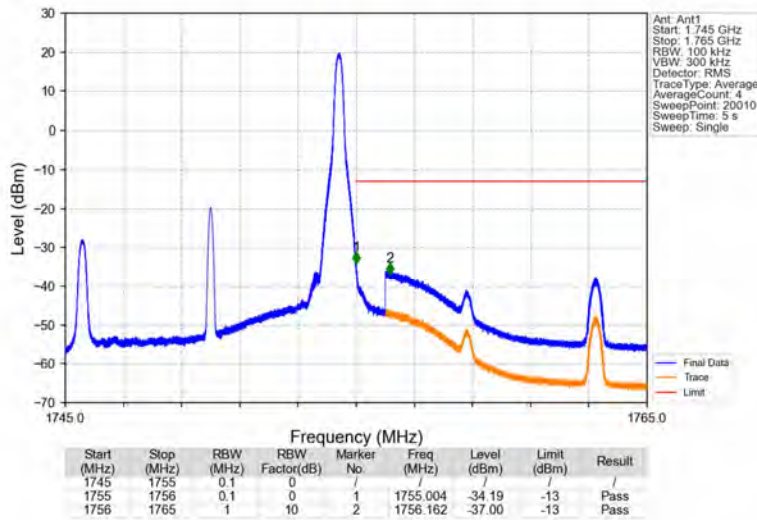
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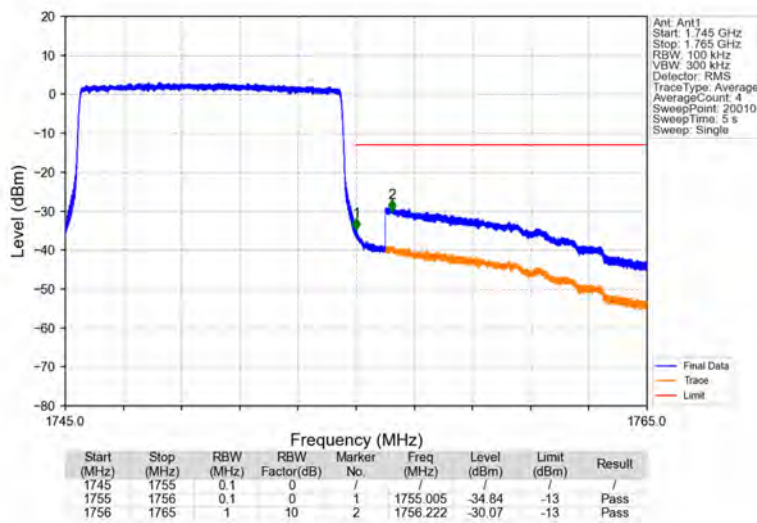
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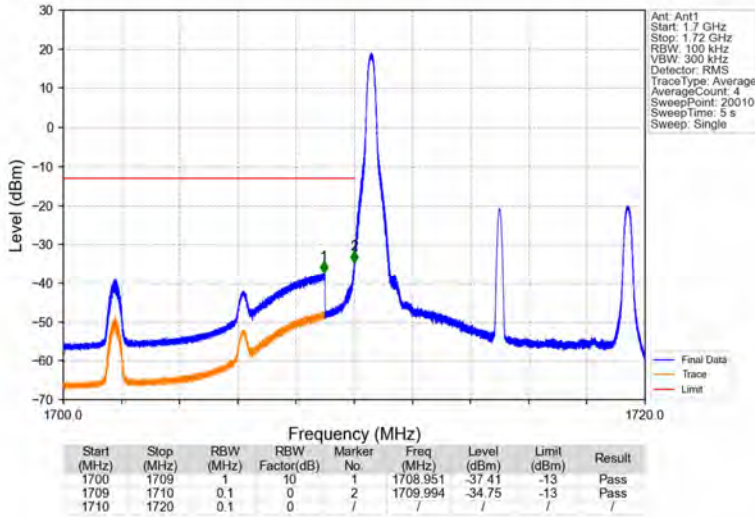
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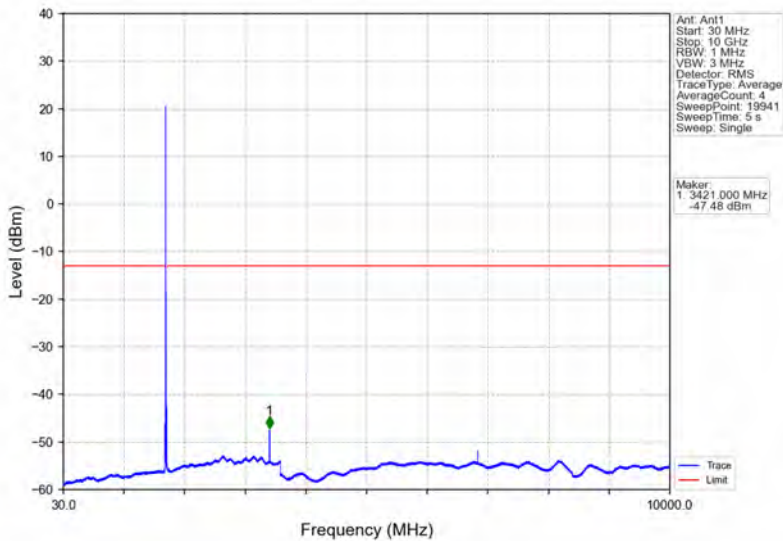
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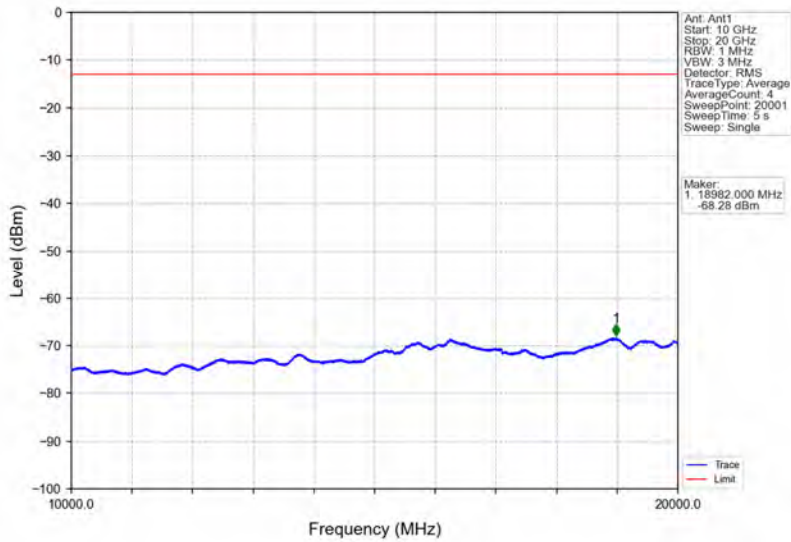
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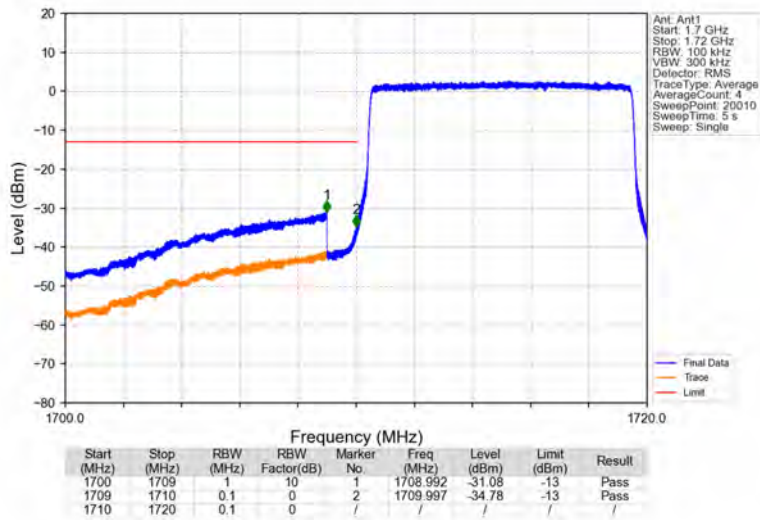


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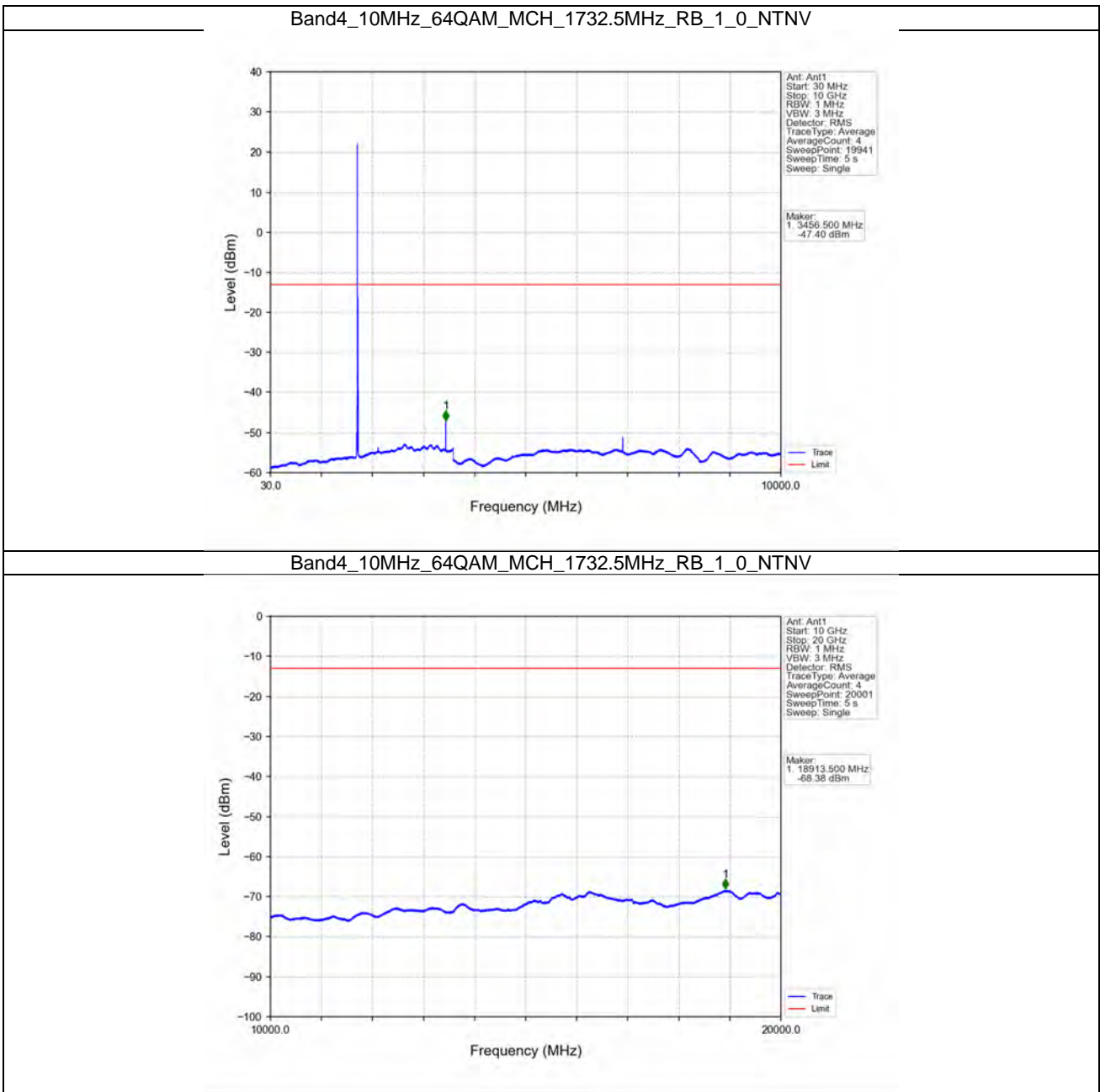
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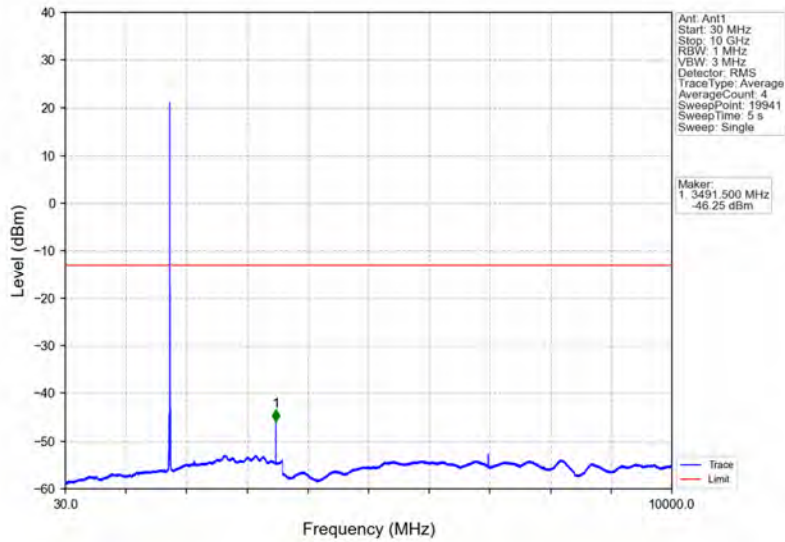
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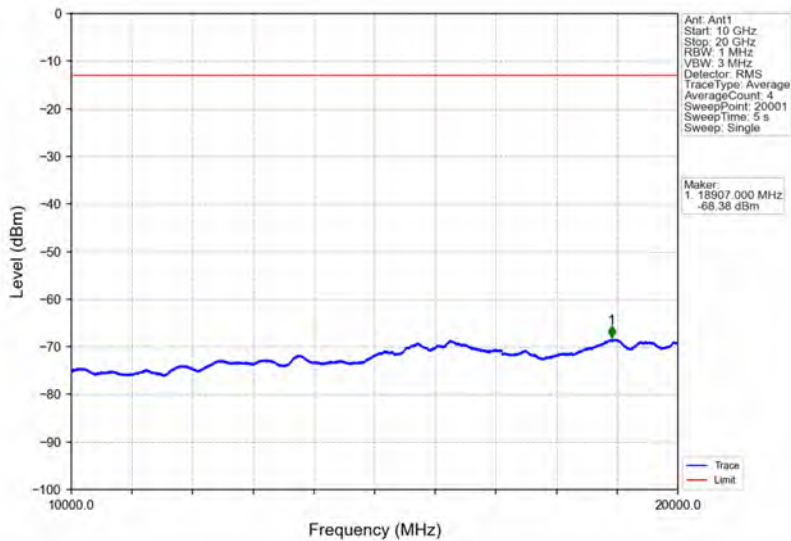
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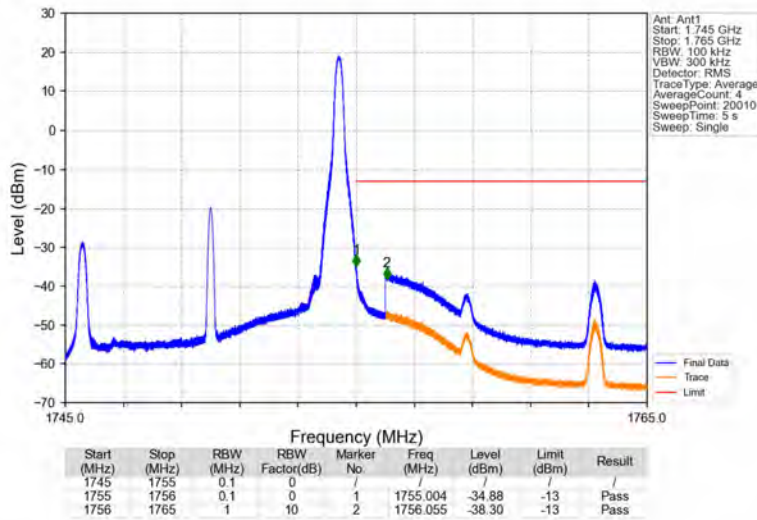
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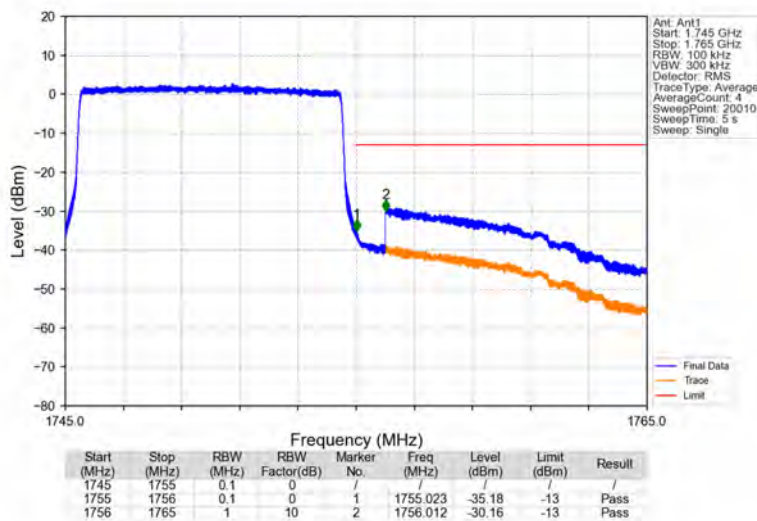
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6.5 B4_15MHz

6.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTN						
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
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	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
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
64QAM	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

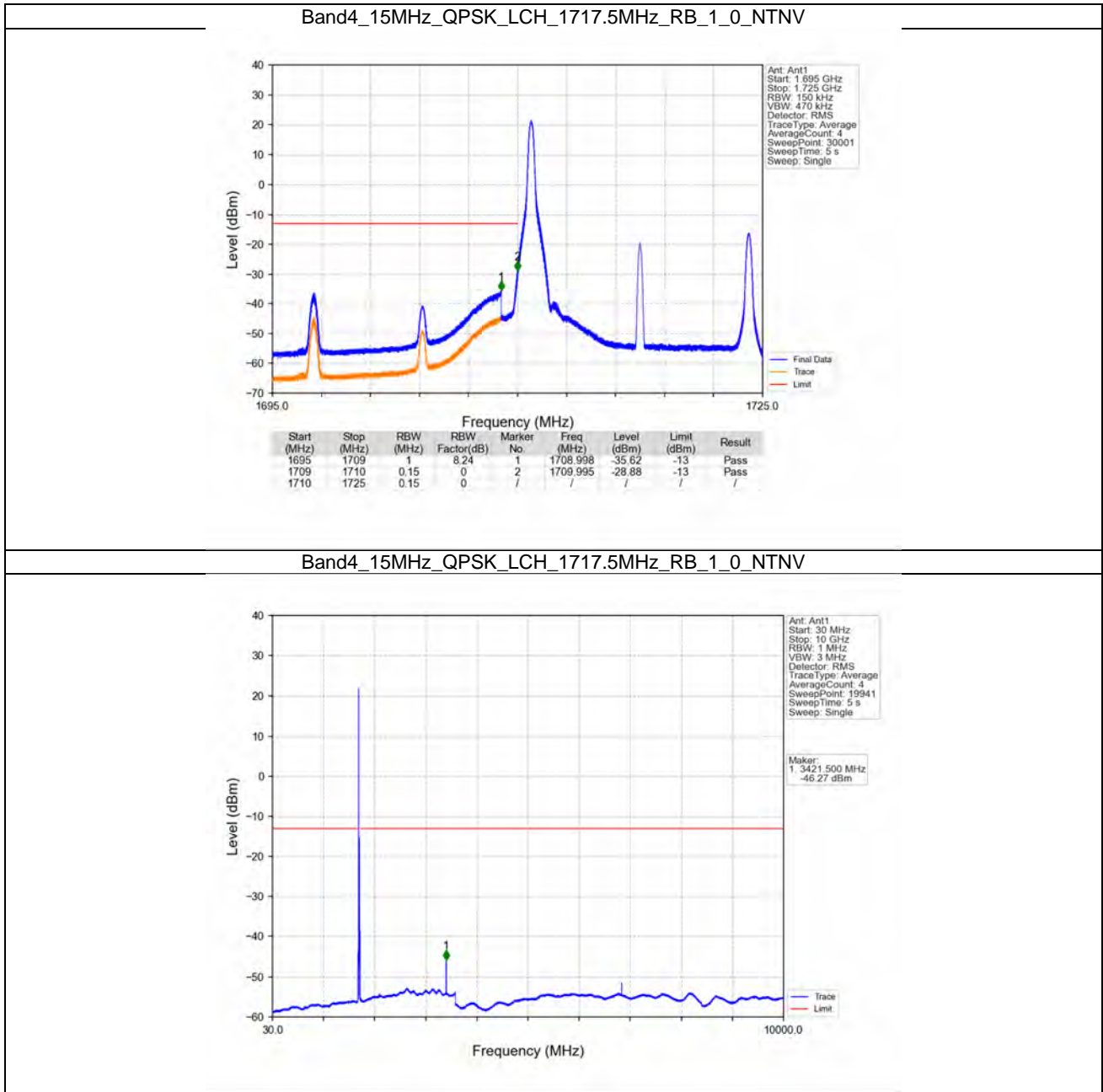


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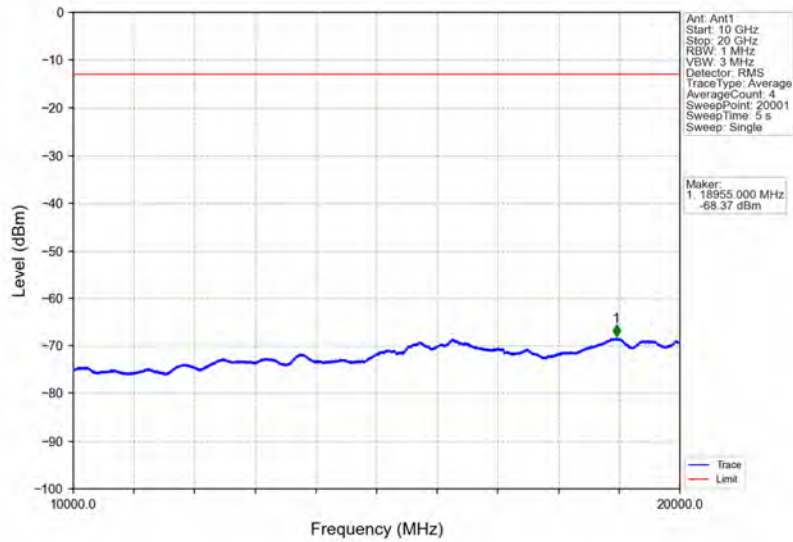
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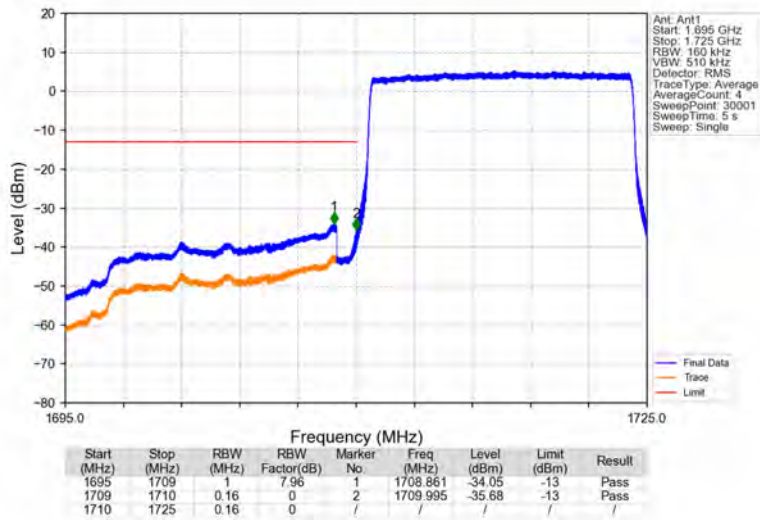
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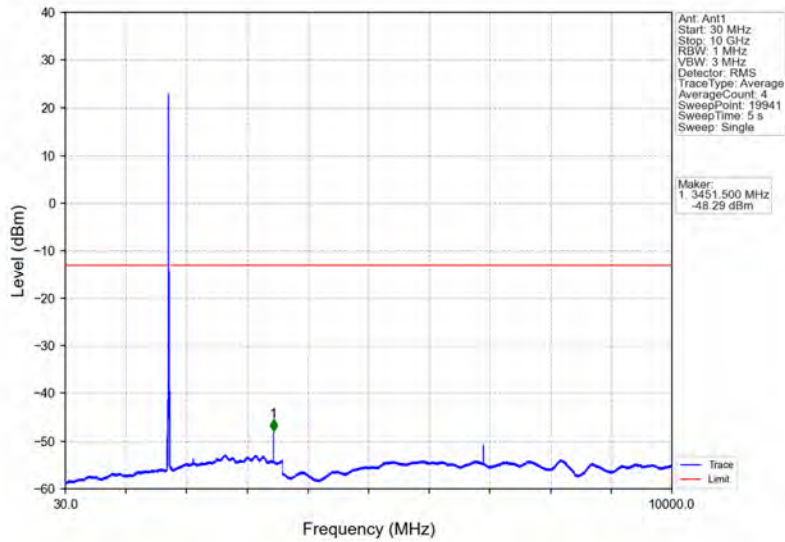
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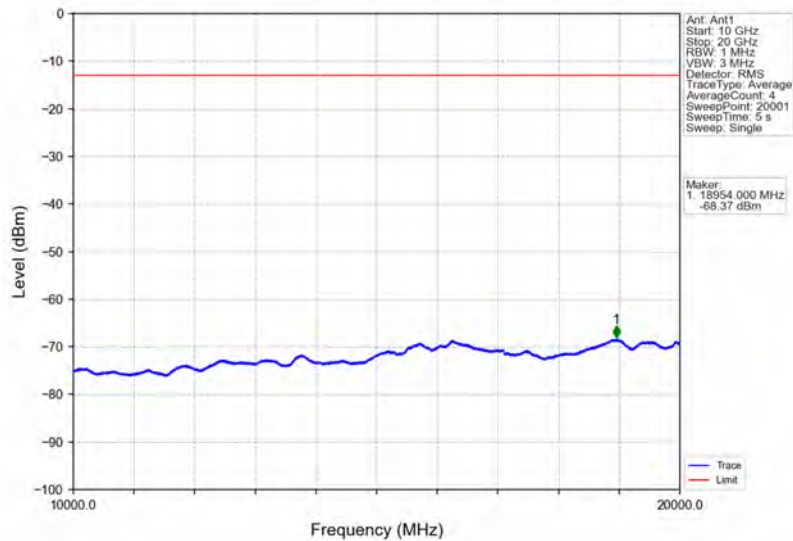
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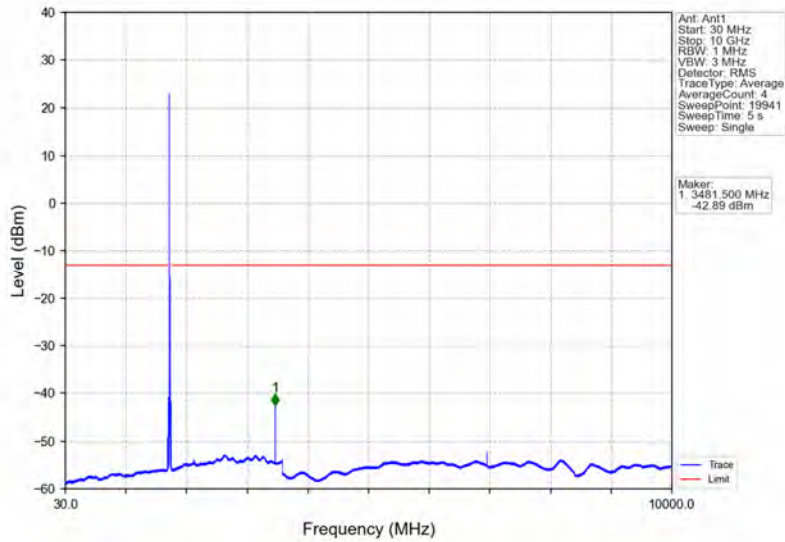
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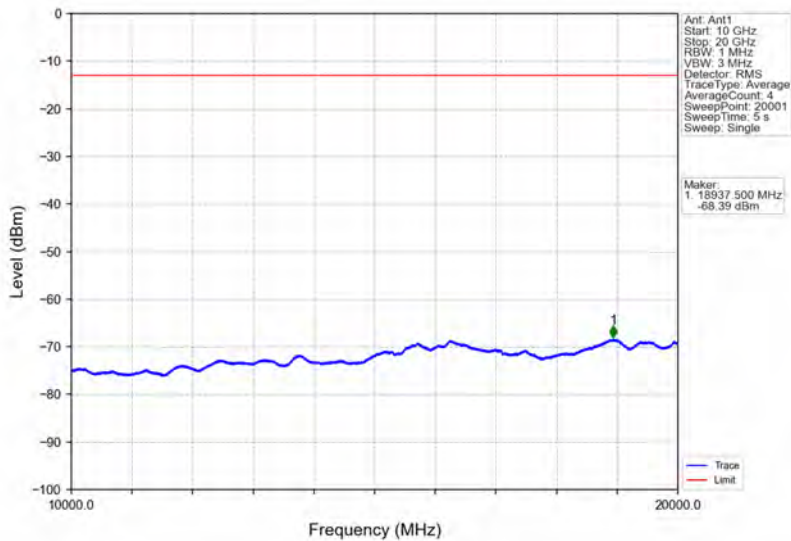
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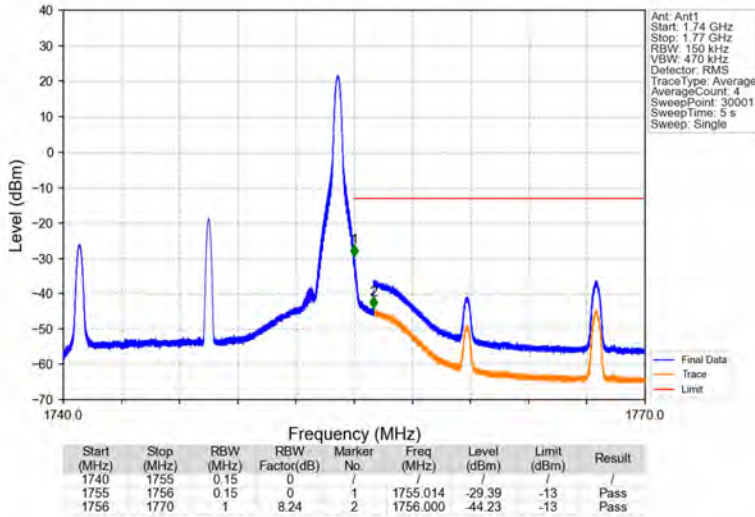
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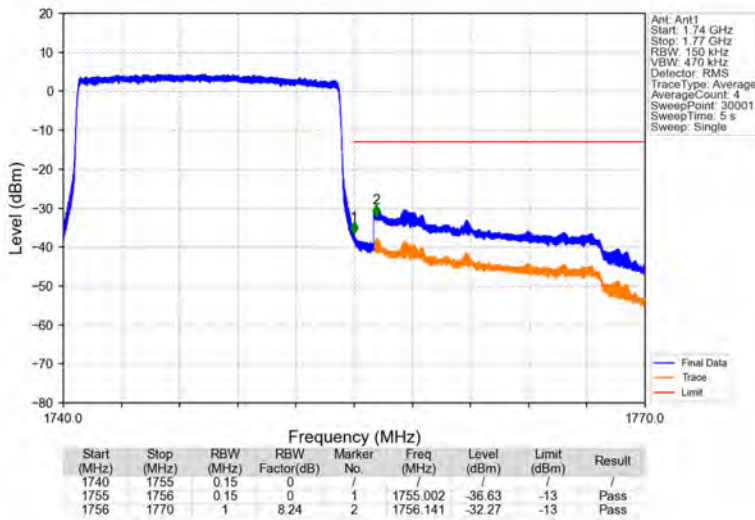


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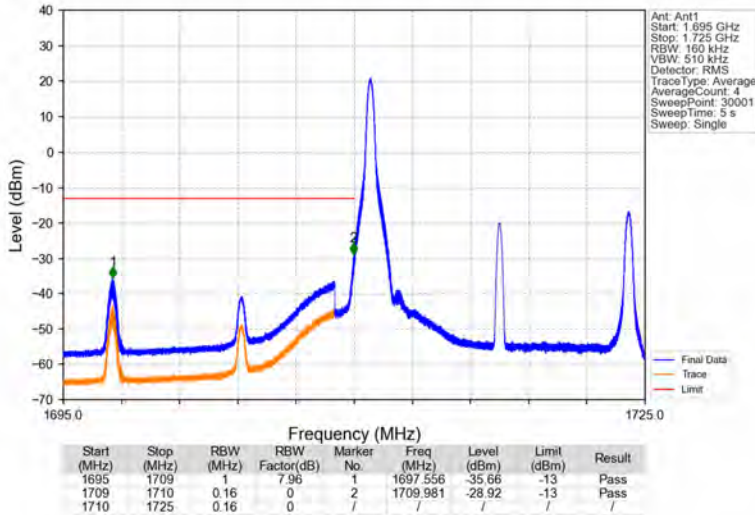
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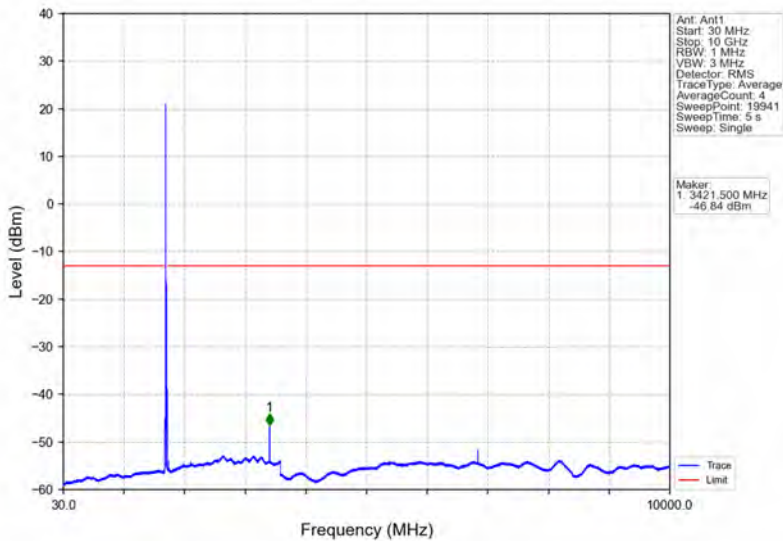
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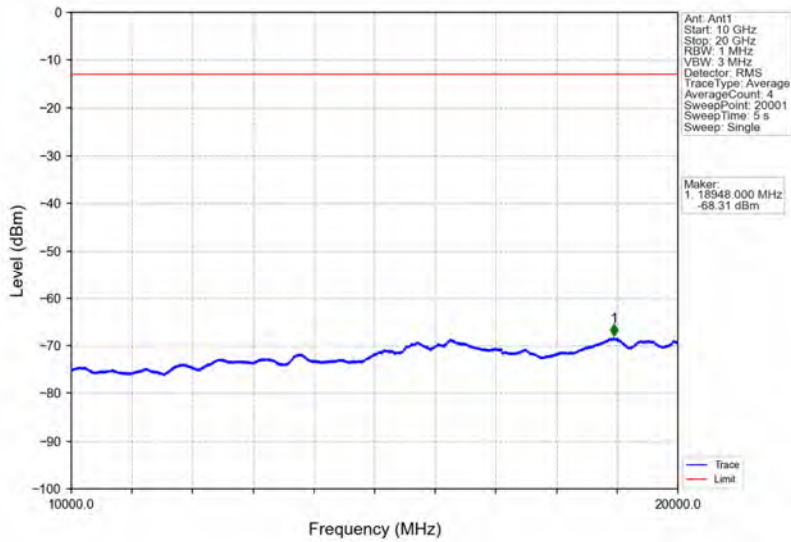
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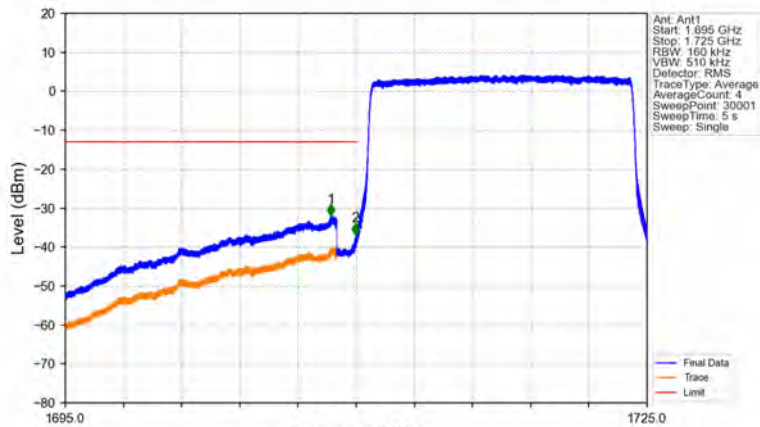


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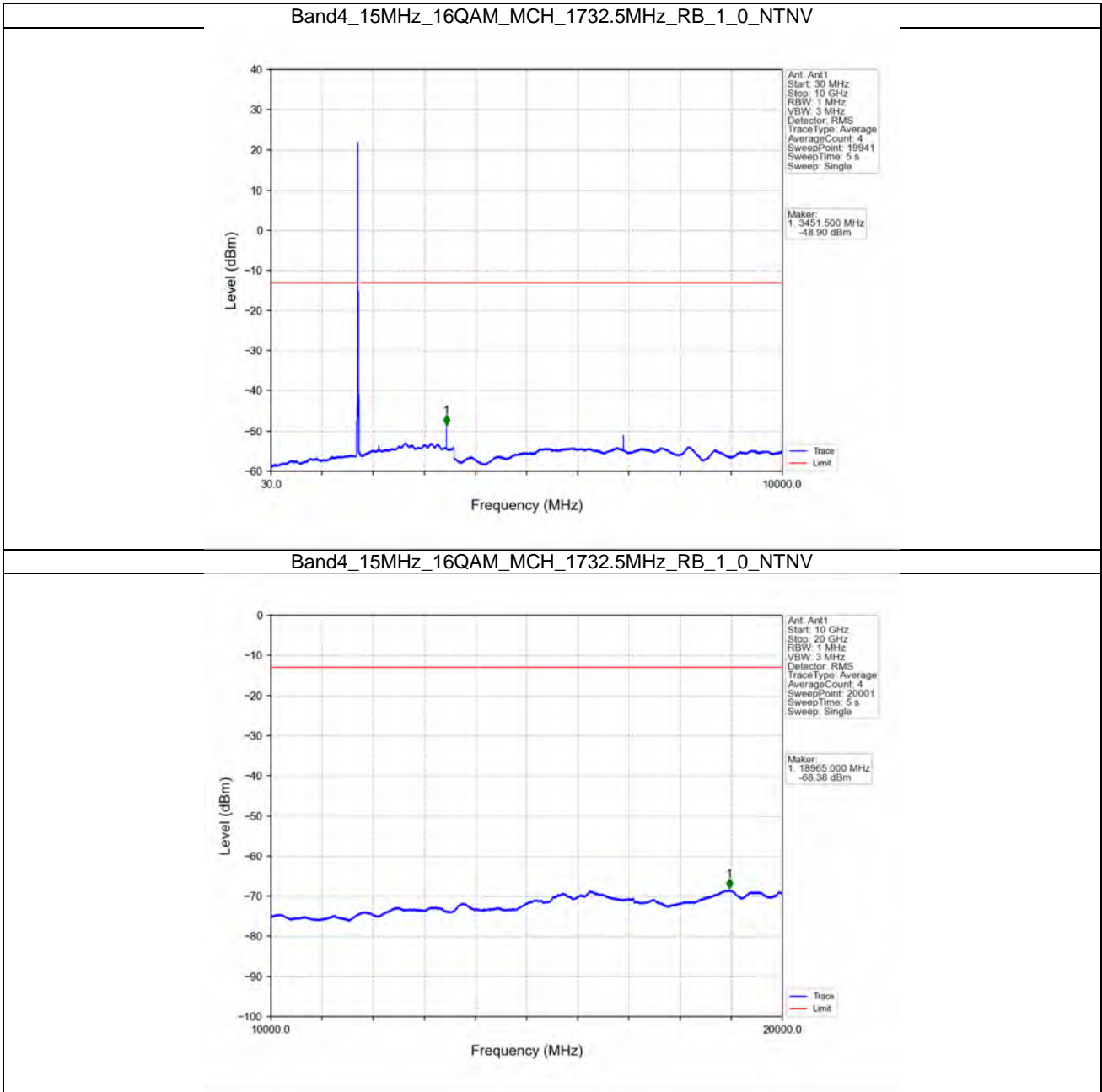


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	7.96	1	1708.705	-32.08	-13	Pass
1709	1710	0.16	0	2	1709.982	-36.87	-13	Pass
1710	1725	0.16	0	/	/	/	/	/



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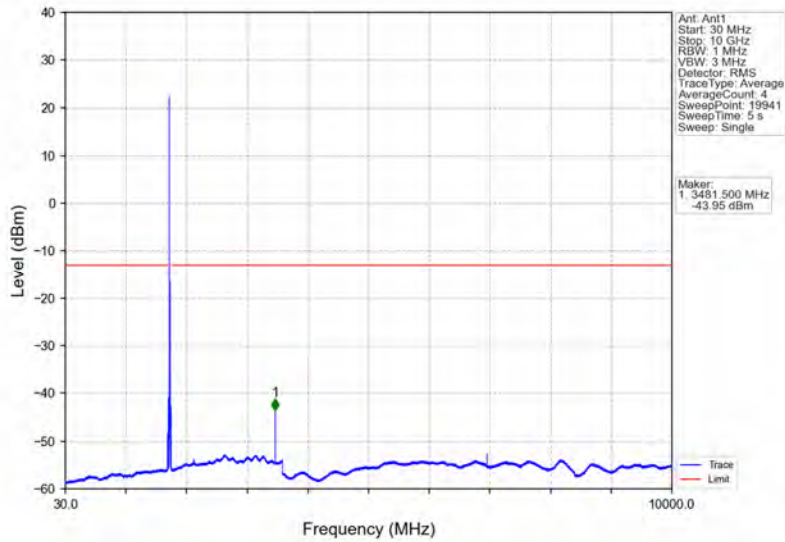


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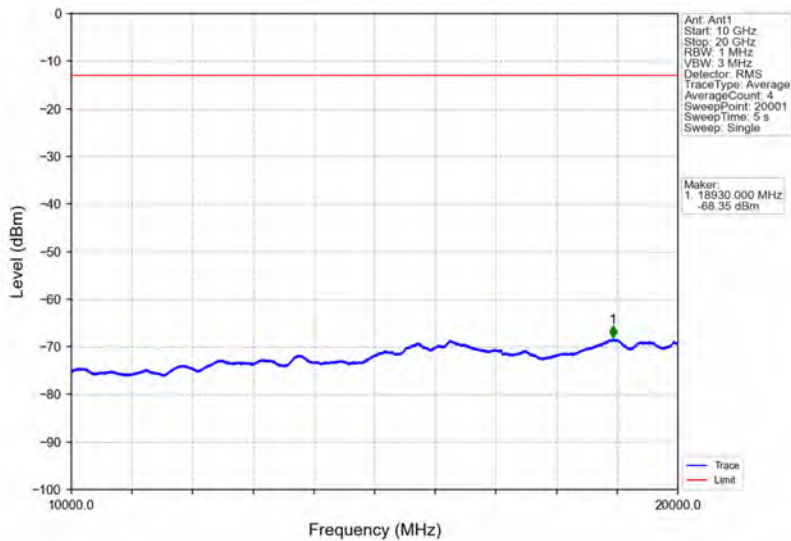
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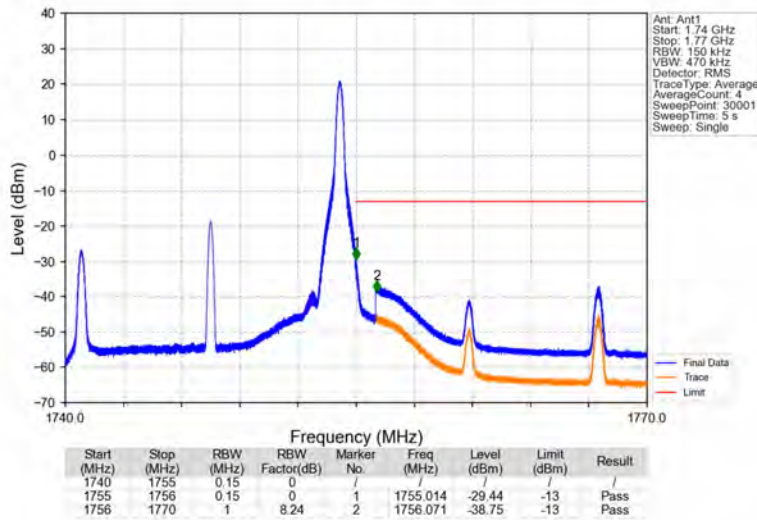
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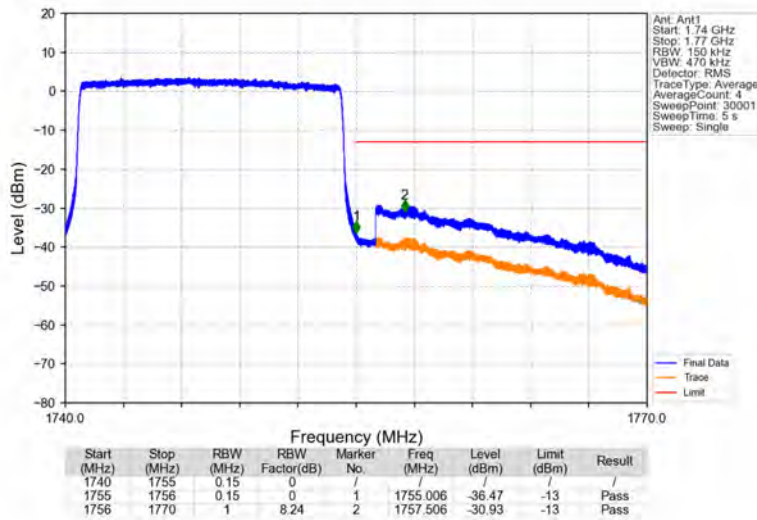


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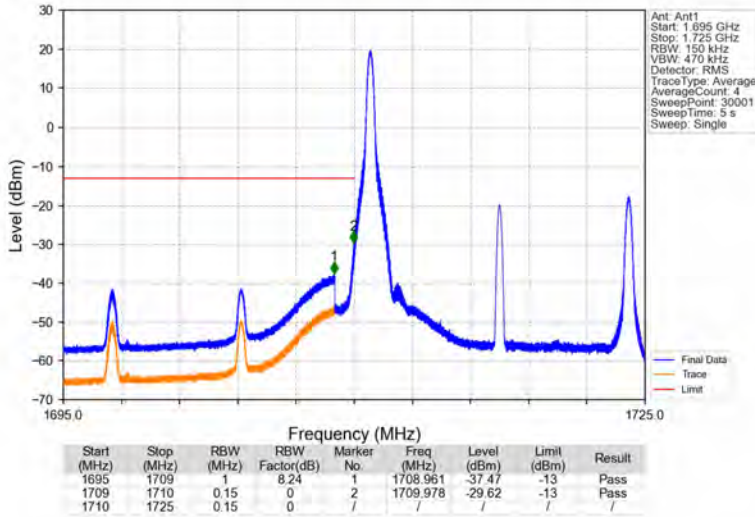
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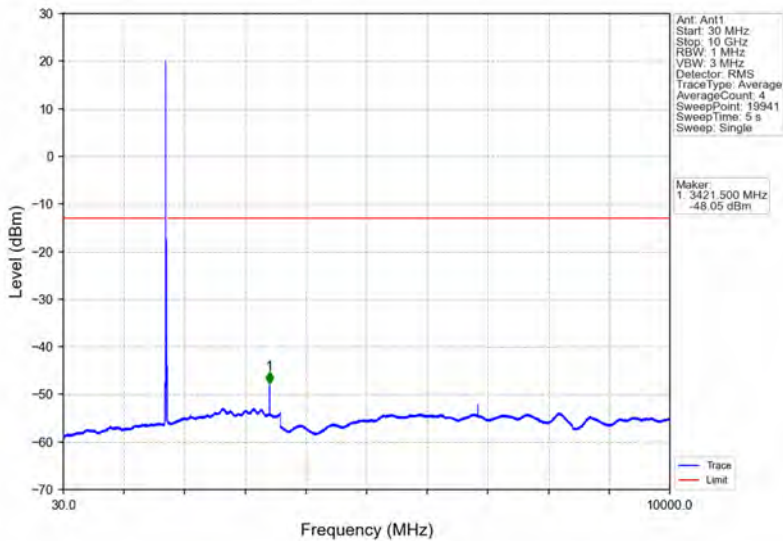
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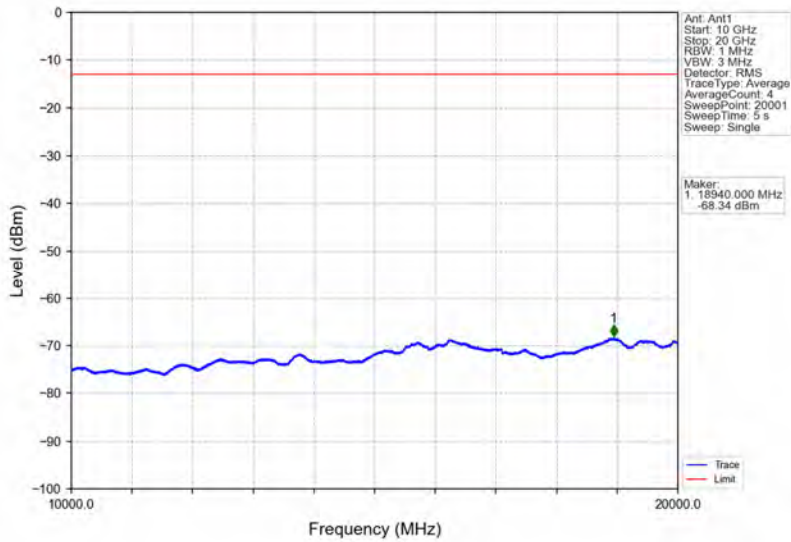
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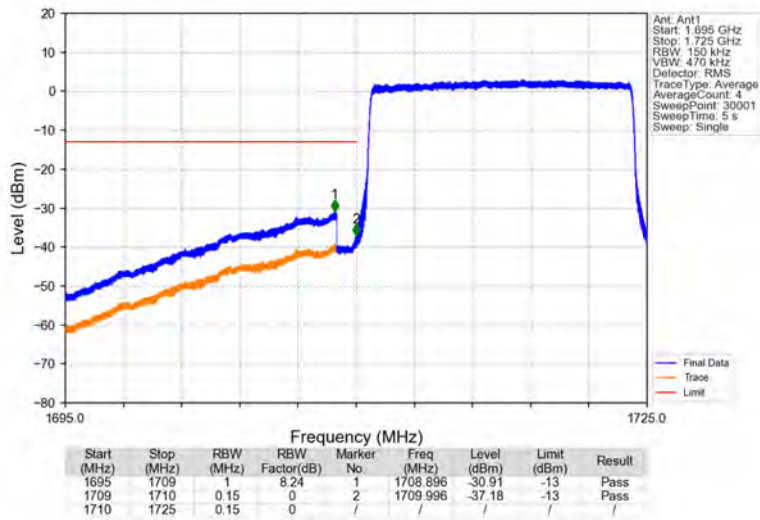
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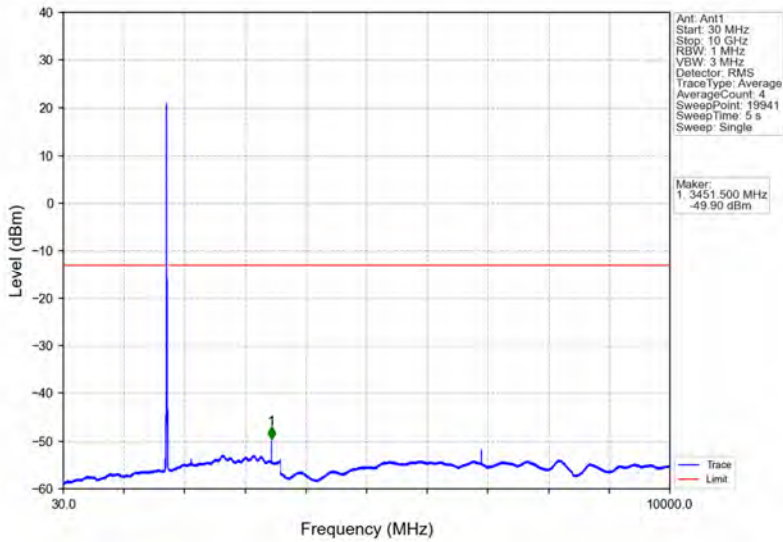


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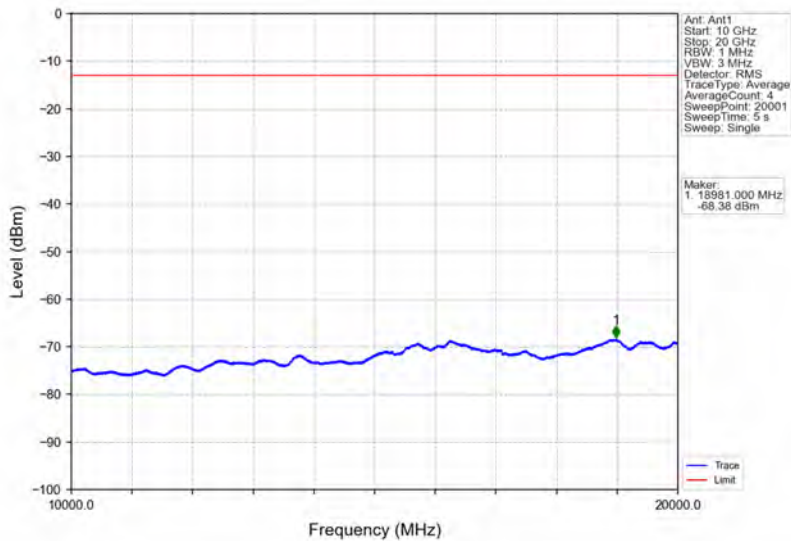
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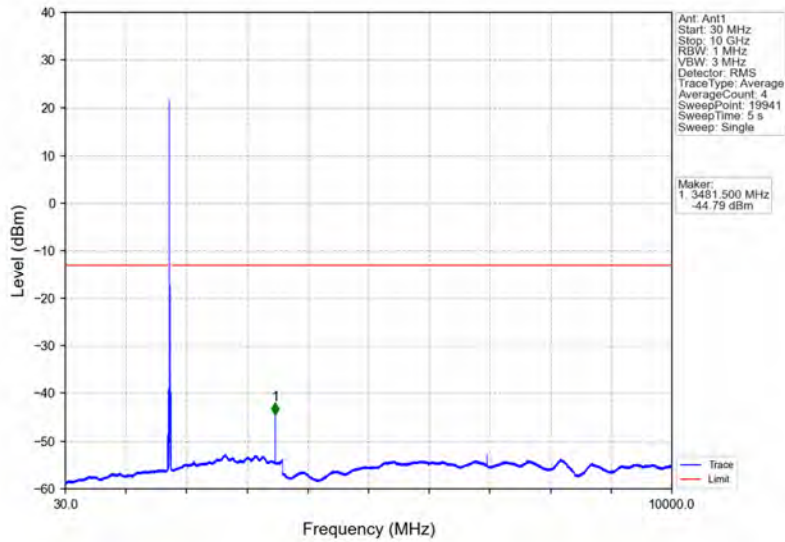
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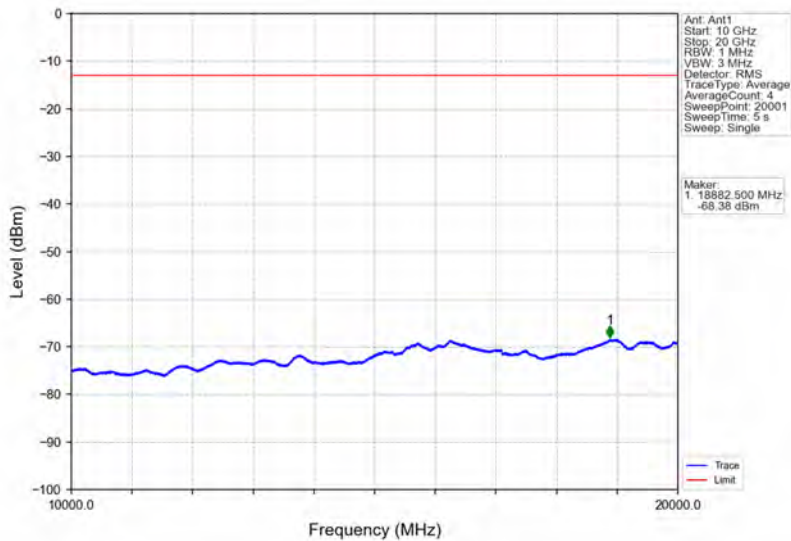


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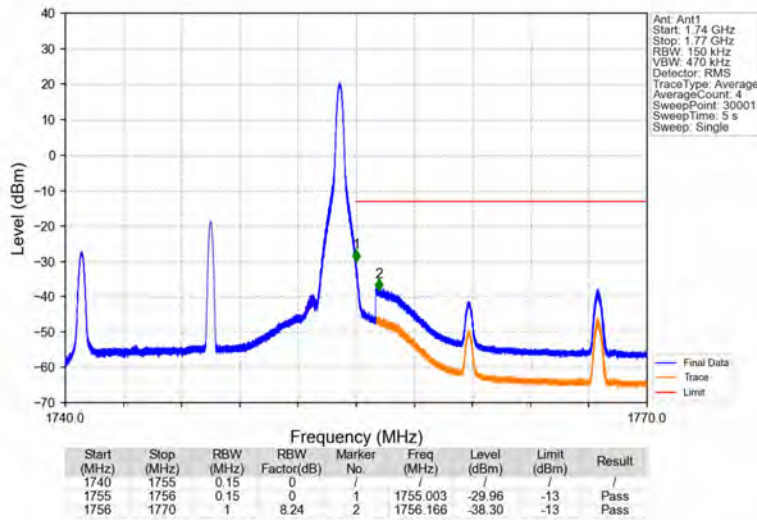
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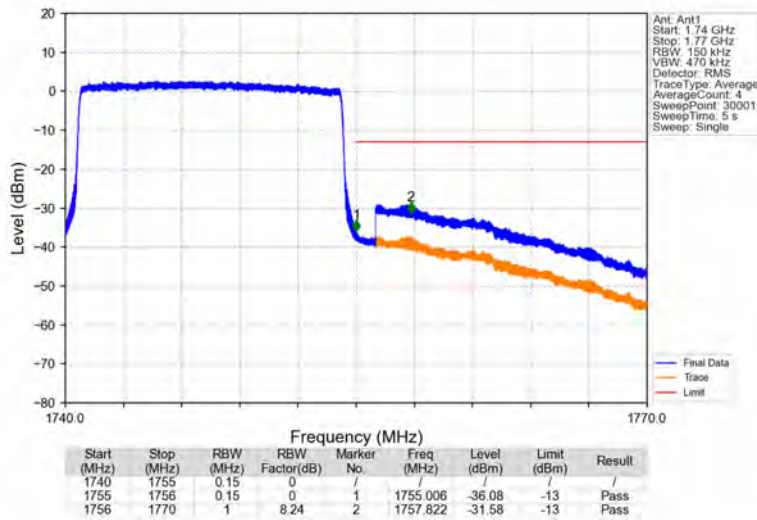
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6.6 B4_20MHz

6.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTN							
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	
	1732.5	1	0	Refer To Test Graph		Pass	
		1745	1	0	Refer To Test Graph		Pass
				99	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	
	1732.5	1	0	Refer To Test Graph		Pass	
		1745	1	0	Refer To Test Graph		Pass
				99	Refer To Test Graph		Pass
			100	0	Refer To Test Graph		Pass
64QAM	1720	1	0	Refer To Test Graph		Pass	
		100	0	Refer To Test Graph		Pass	
	1732.5	1	0	Refer To Test Graph		Pass	
		1745	1	0	Refer To Test Graph		Pass
				99	Refer To Test Graph		Pass
			100	0	Refer To Test Graph		Pass

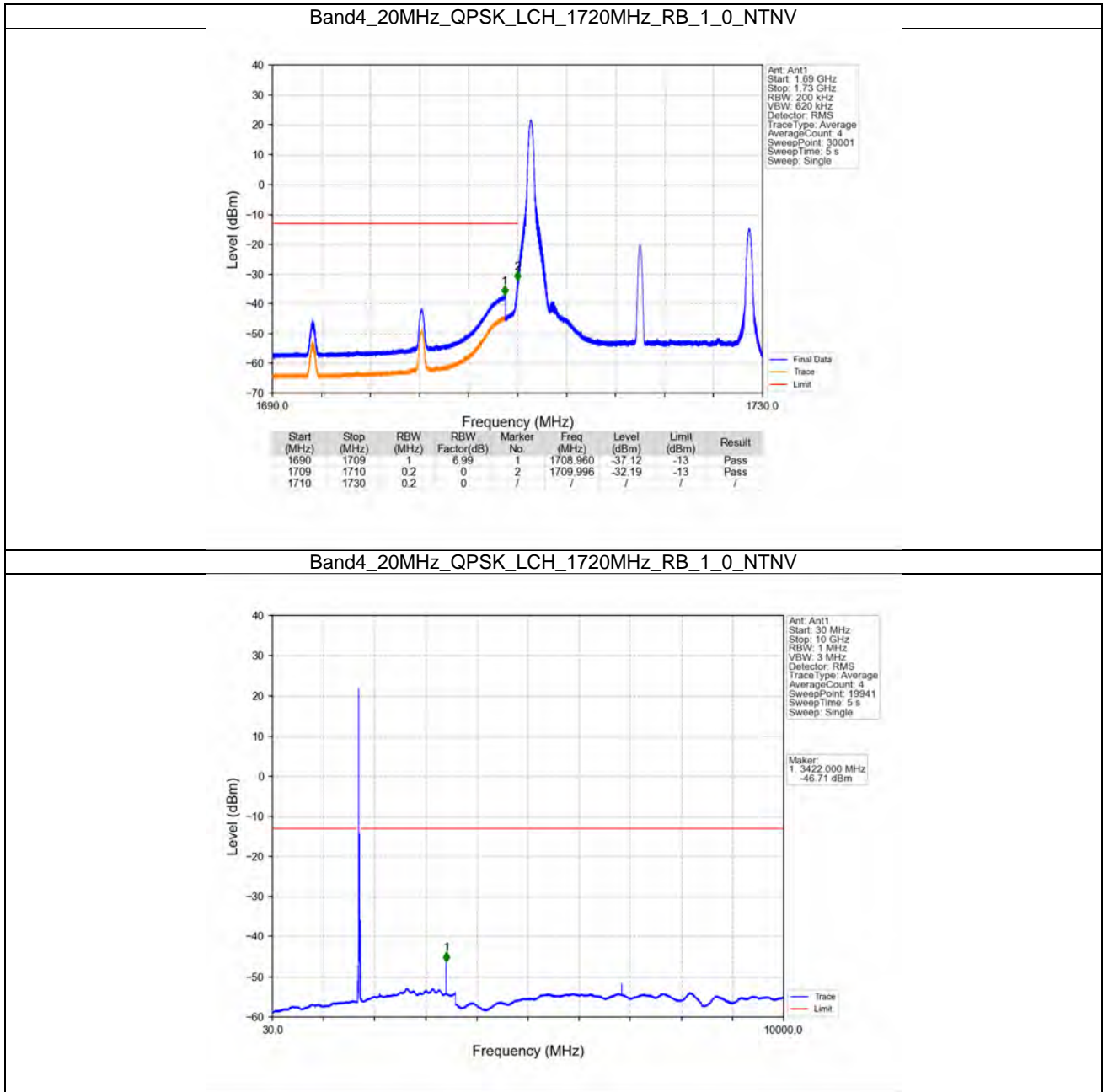


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6.6.2 Test Graph



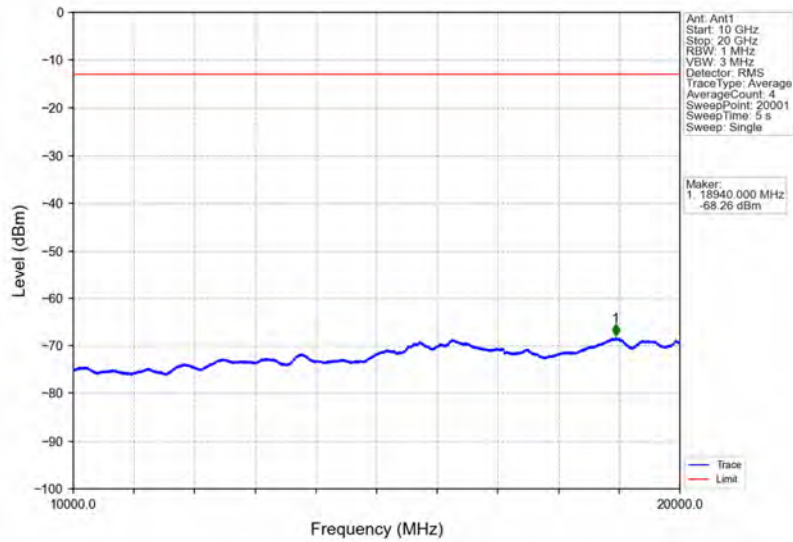
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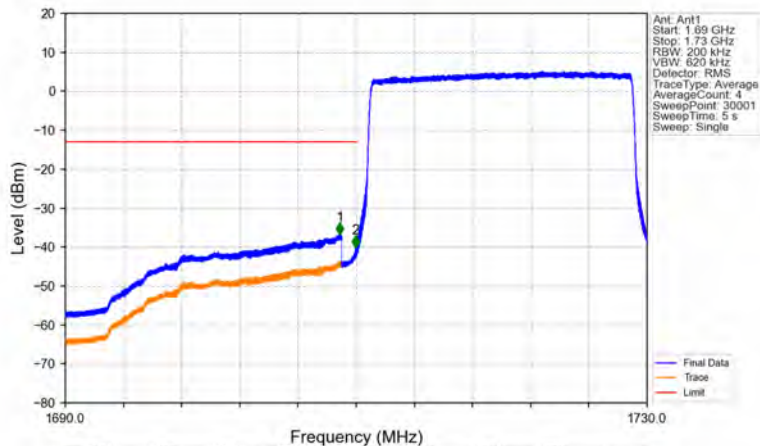
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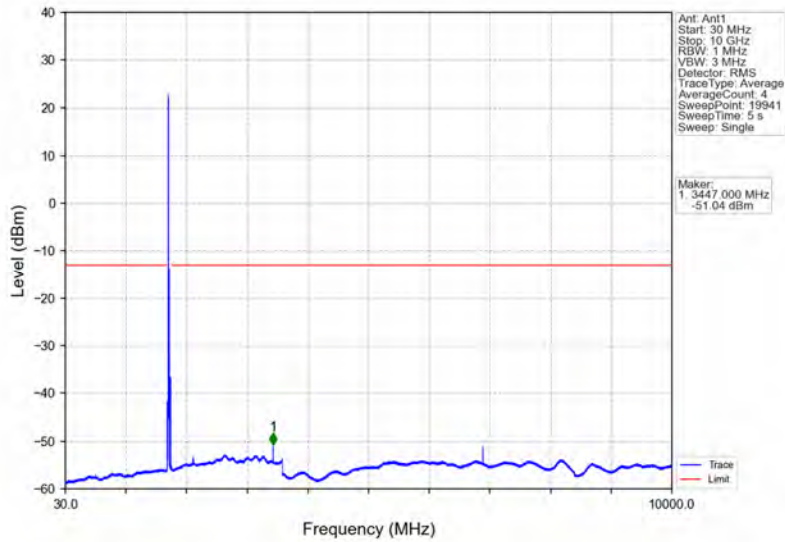
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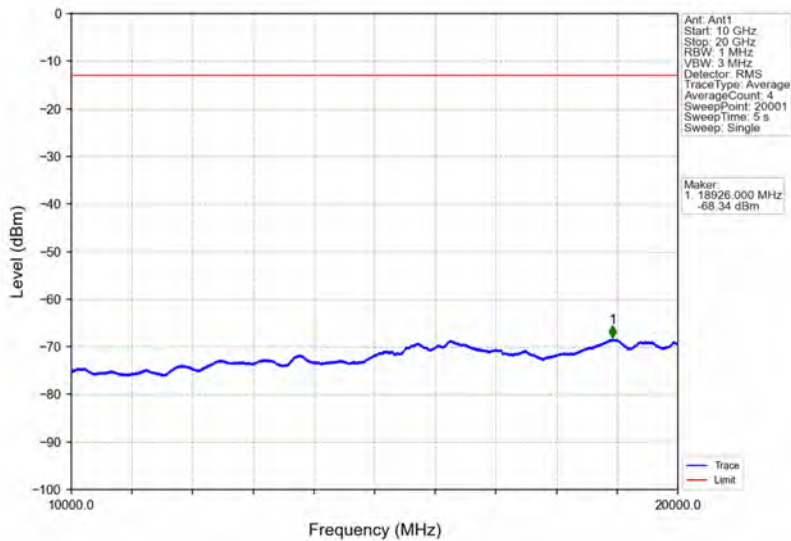


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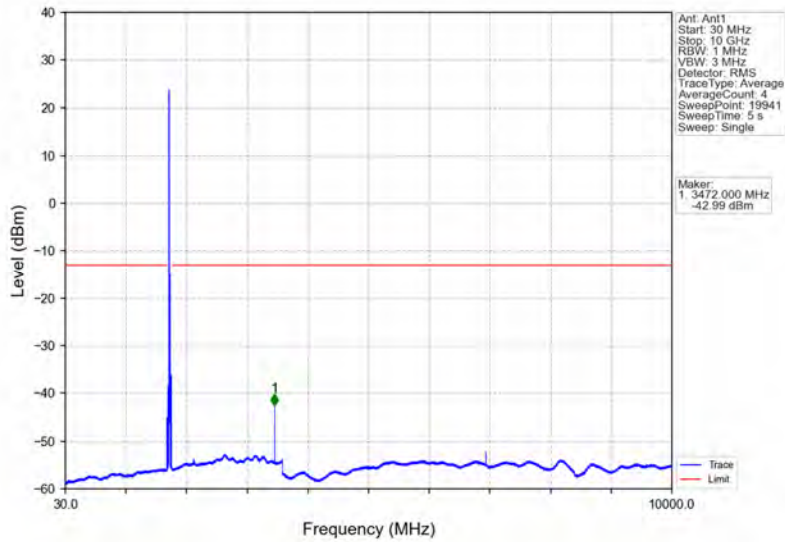
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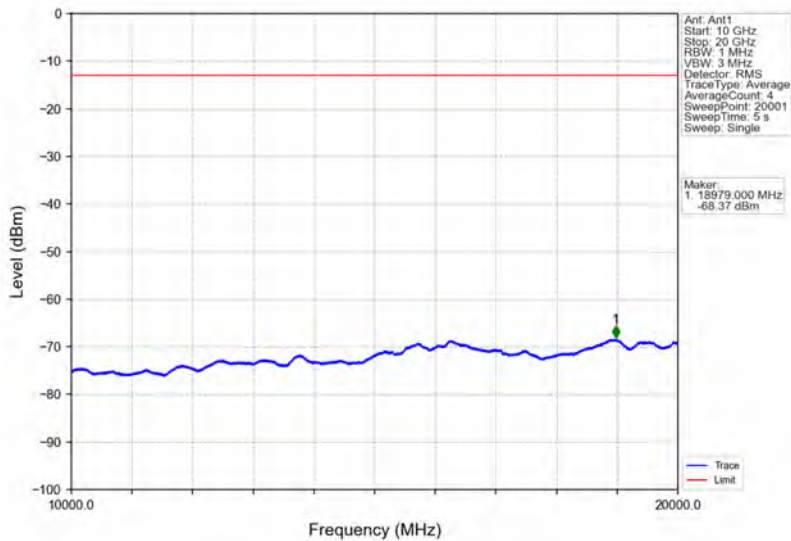
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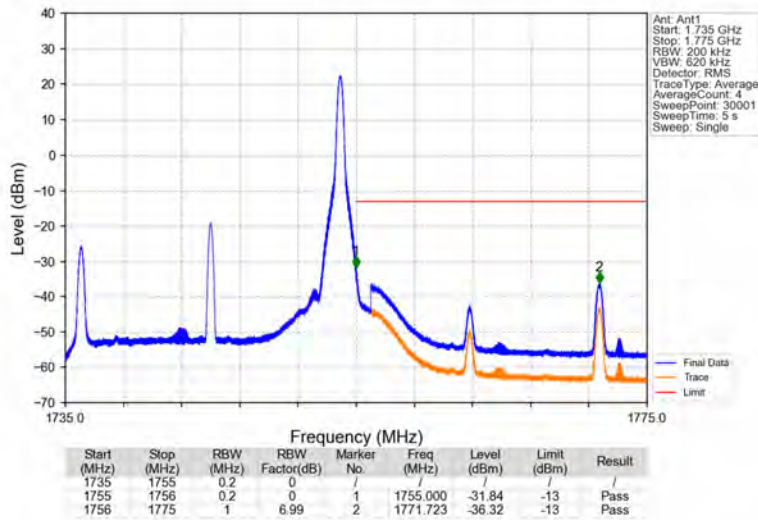
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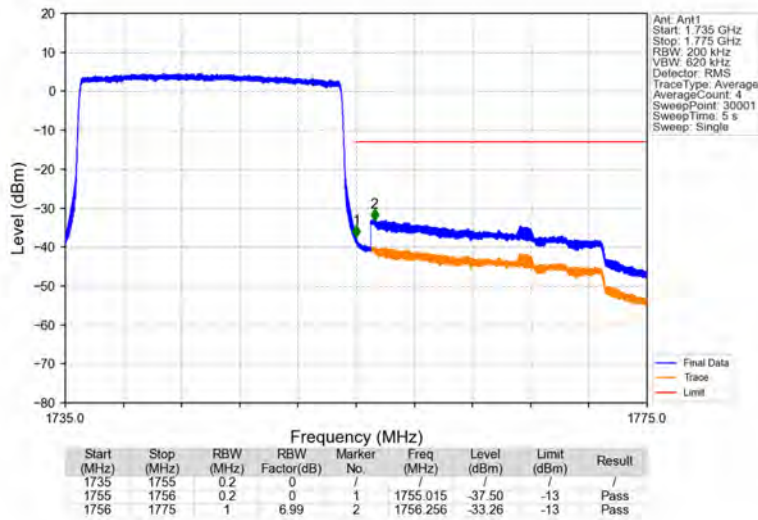
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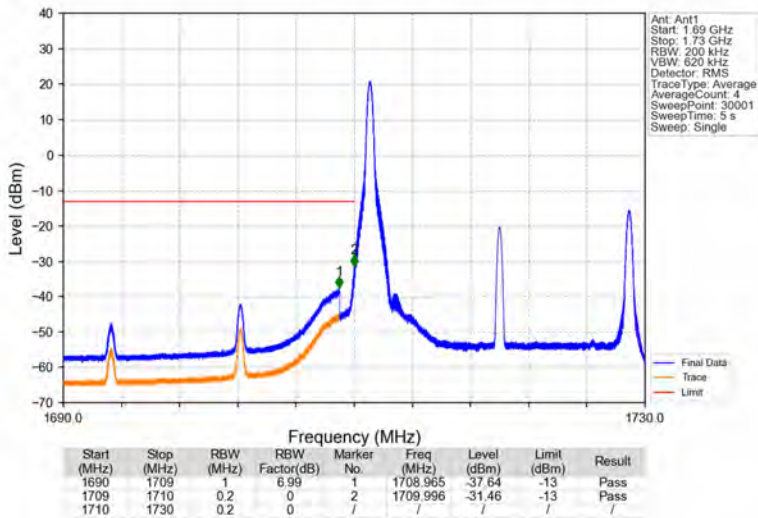
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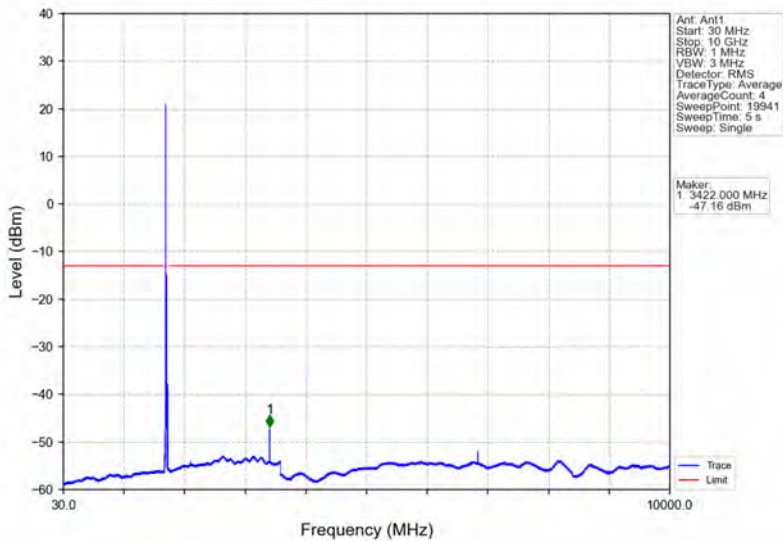
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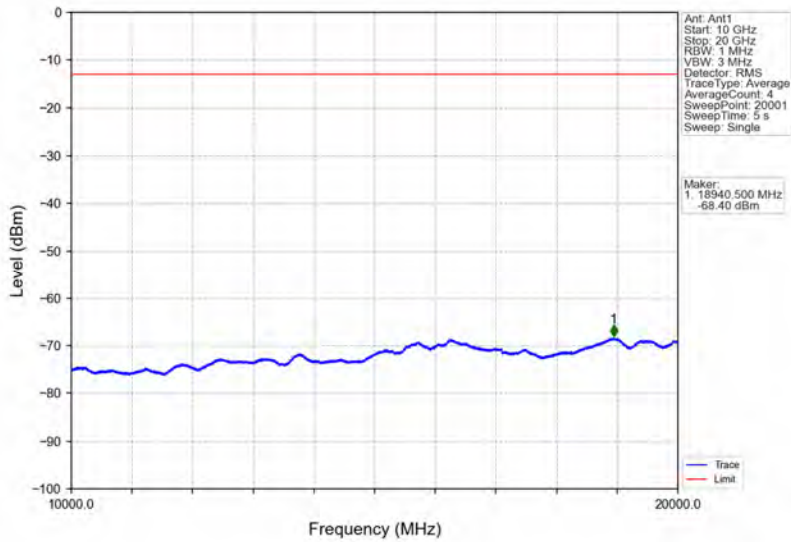
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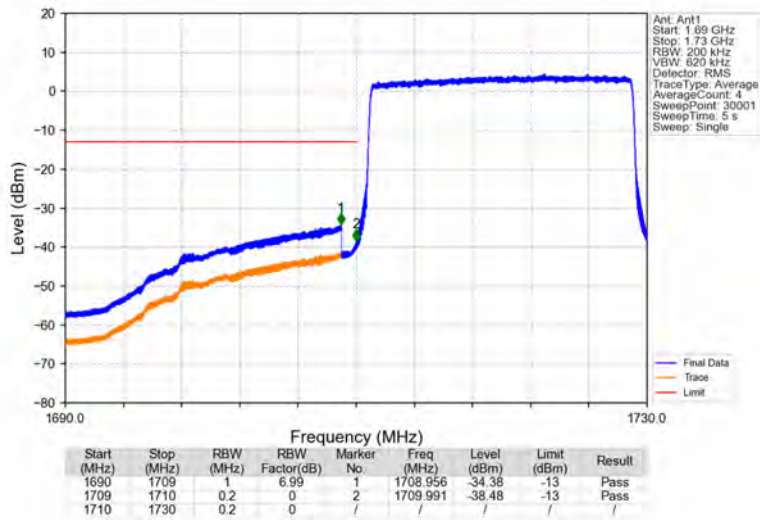
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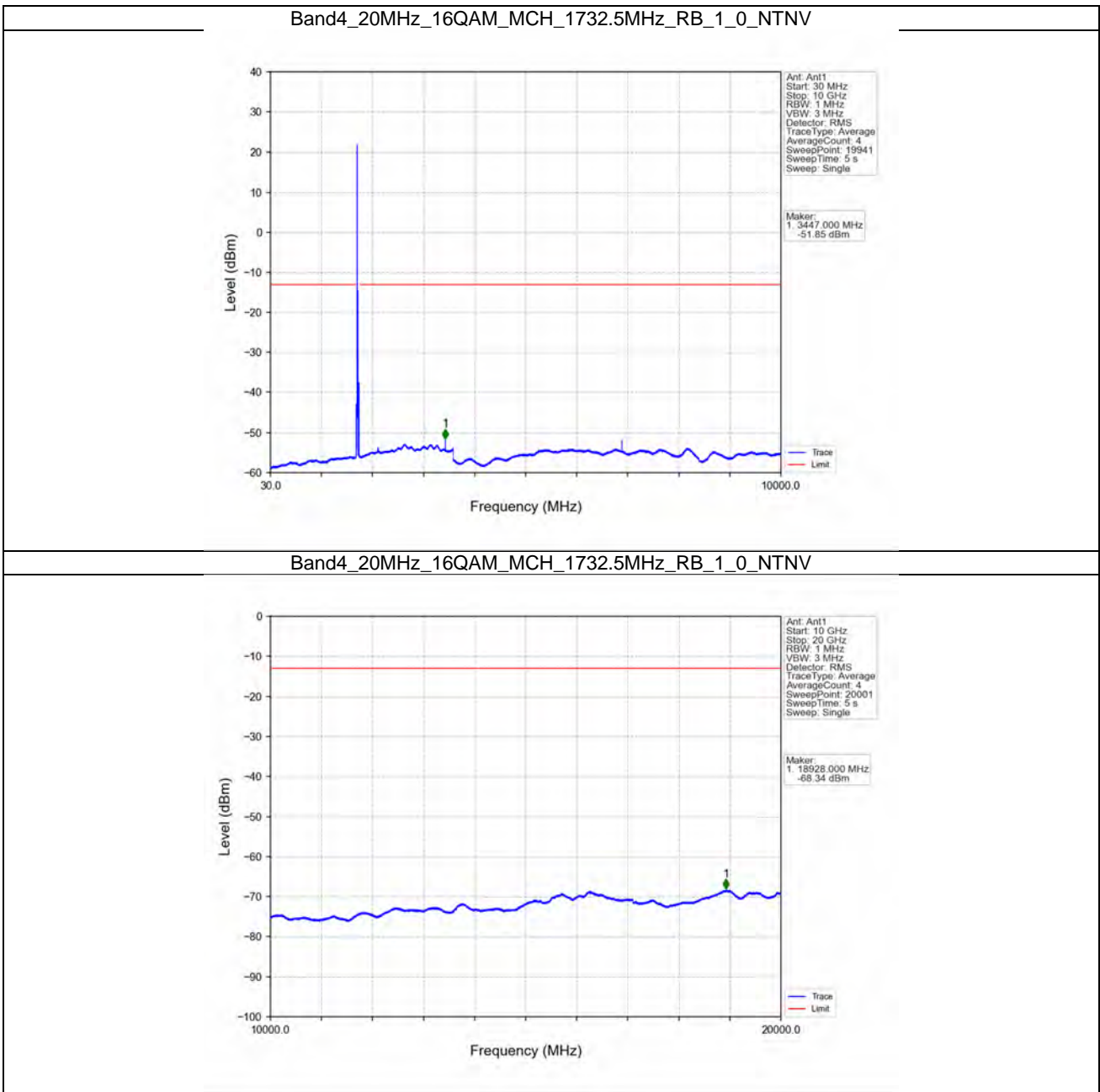


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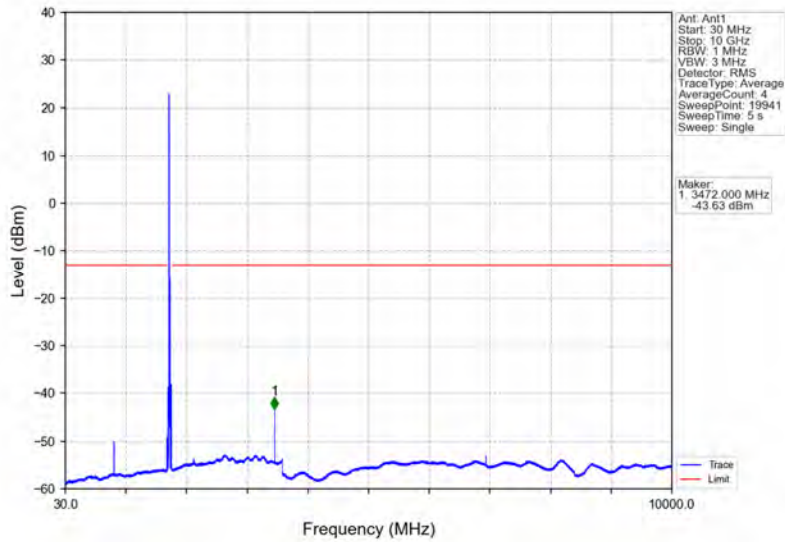


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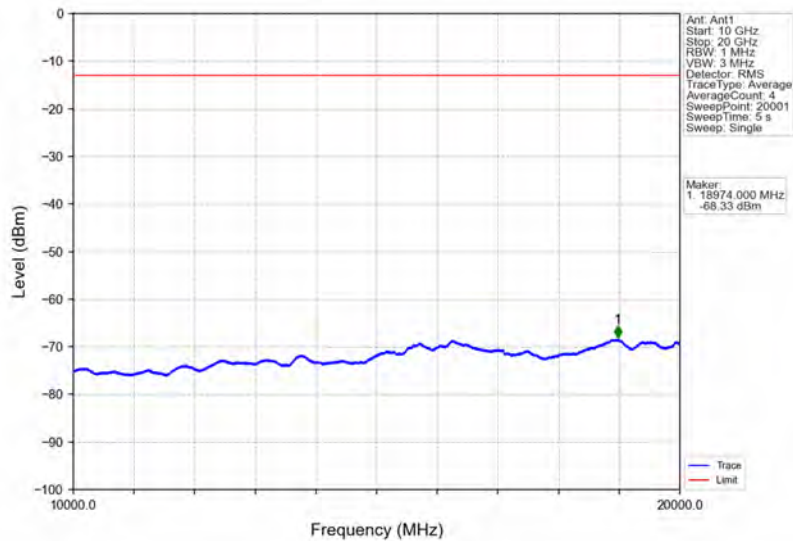
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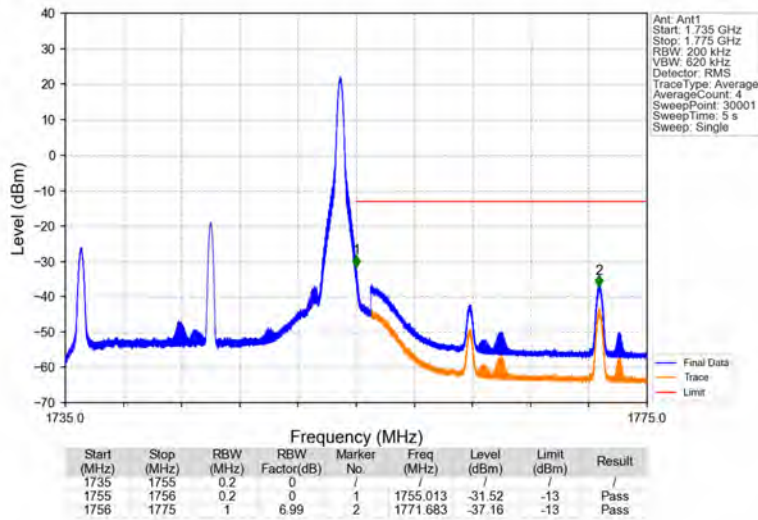
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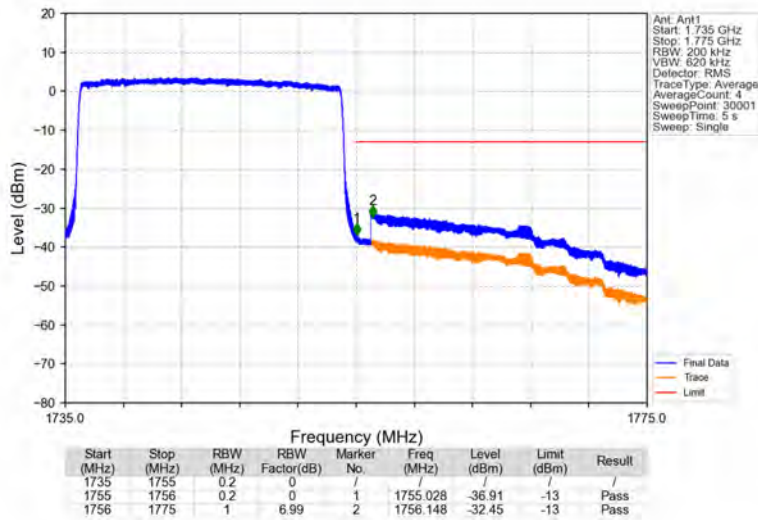


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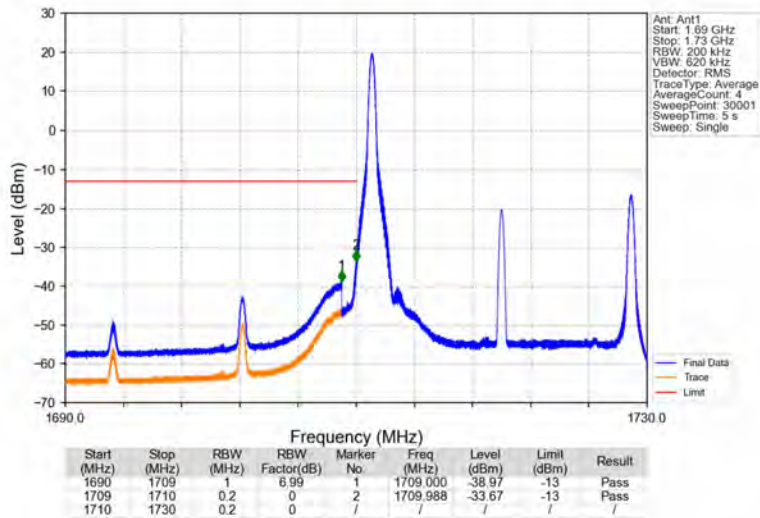
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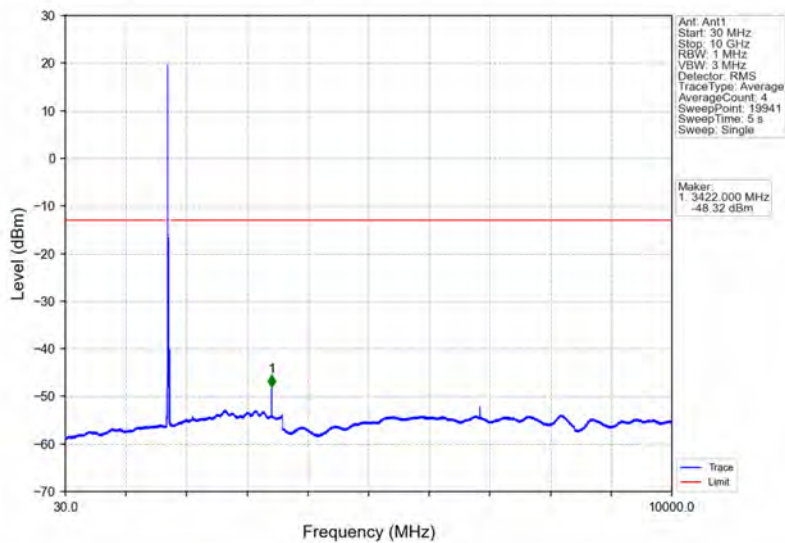
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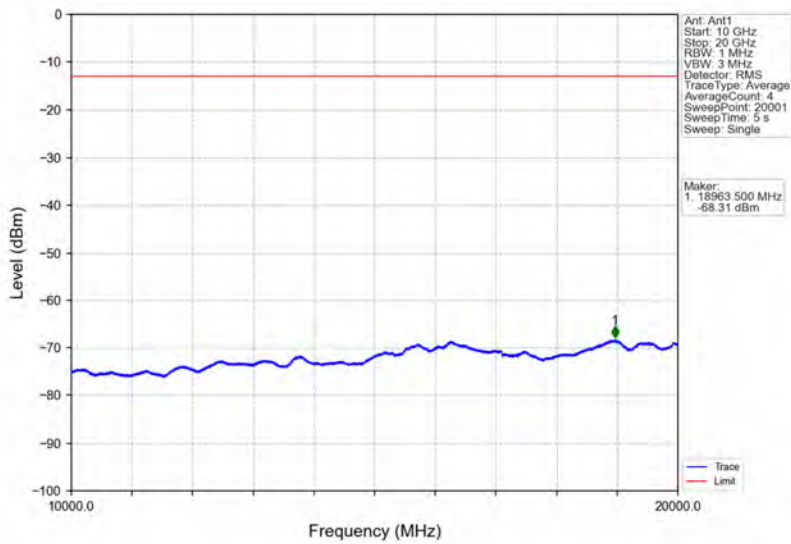
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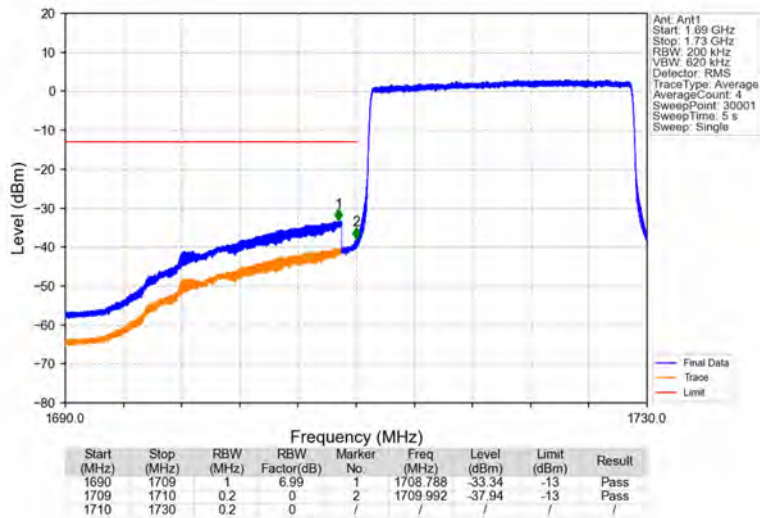
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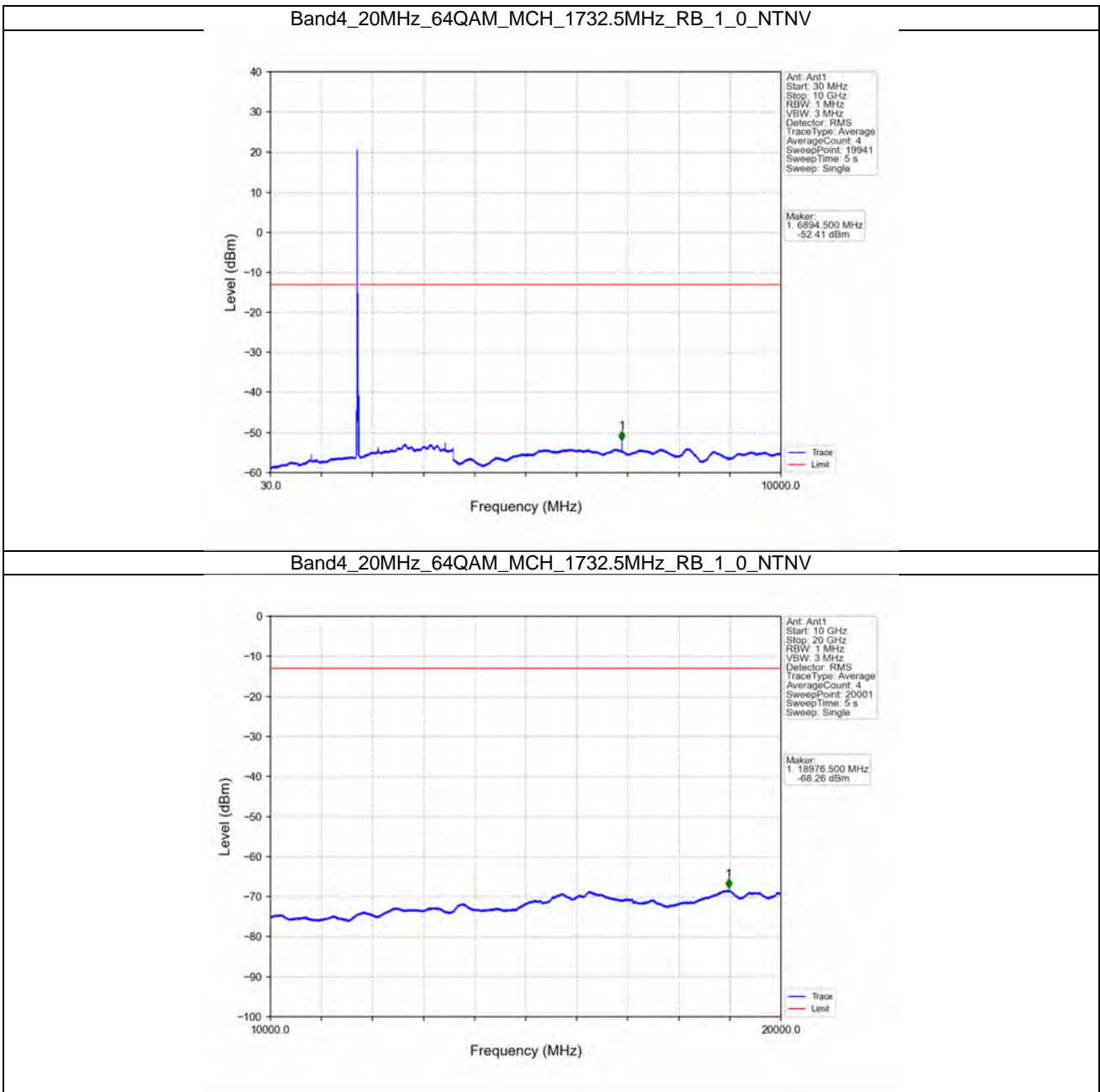


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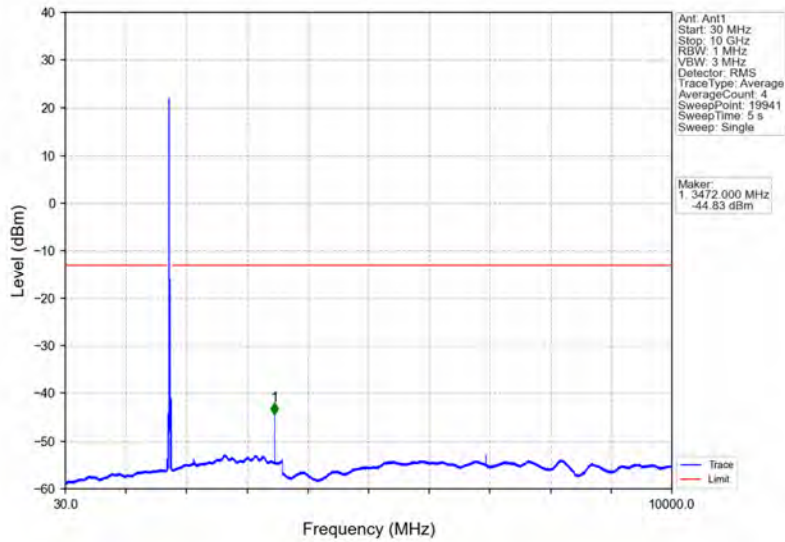
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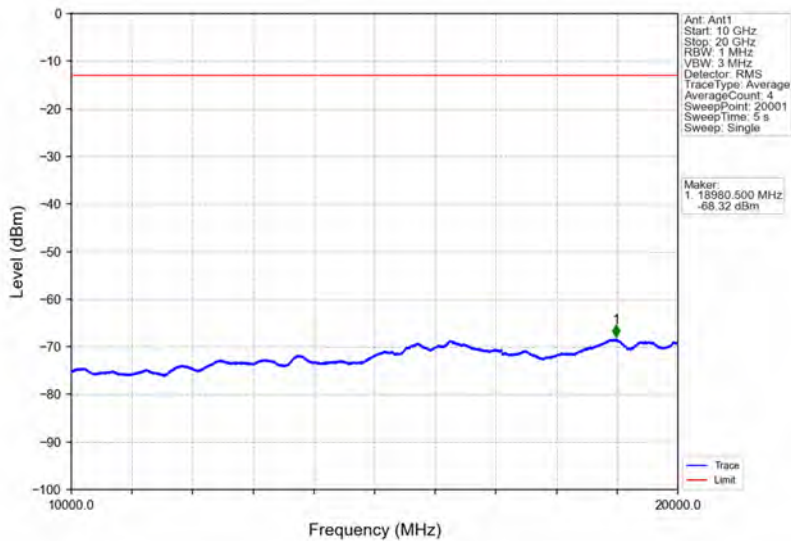
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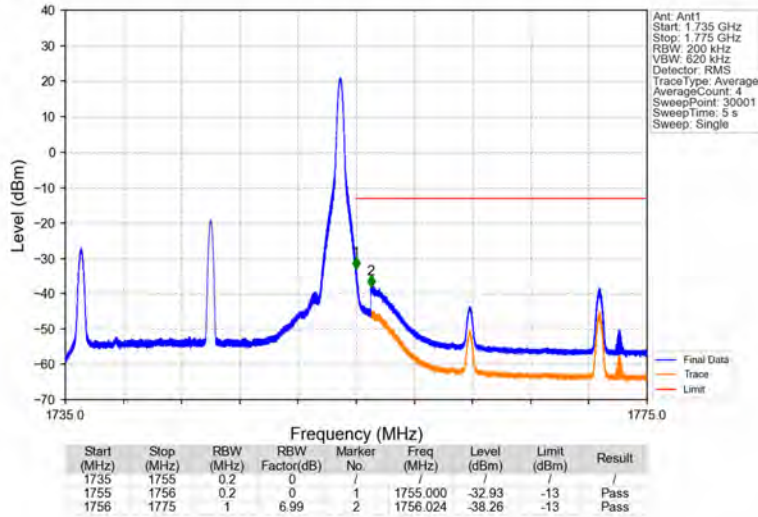
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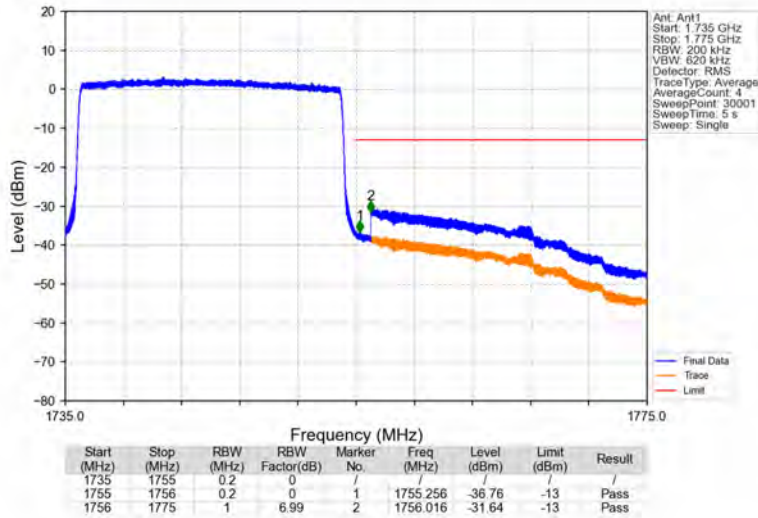
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