



Report No.: SUCR240100000801

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Appendix B.21

LTE Band 66



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1. Effective (Isotropic) Radiated Power Output Data

1.1 B66_1.4MHz_EIRPAnt0

1.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	24.28	2.47	26.75	<=30	Pass
			2	24.44	2.47	26.91	<=30	Pass
			5	24.25	2.47	26.72	<=30	Pass
		3	0	24.40	2.47	26.87	<=30	Pass
			2	24.41	2.47	26.88	<=30	Pass
			3	24.39	2.47	26.86	<=30	Pass
		6	0	23.35	2.47	25.82	<=30	Pass
	1745	1	0	24.13	2.47	26.60	<=30	Pass
			2	24.27	2.47	26.74	<=30	Pass
			5	24.15	2.47	26.62	<=30	Pass
		3	0	24.24	2.47	26.71	<=30	Pass
			2	24.28	2.47	26.75	<=30	Pass
			3	24.28	2.47	26.75	<=30	Pass
		6	0	23.20	2.47	25.67	<=30	Pass
	1779.3	1	0	24.17	2.47	26.64	<=30	Pass
			2	24.29	2.47	26.76	<=30	Pass
			5	24.13	2.47	26.60	<=30	Pass
		3	0	24.19	2.47	26.66	<=30	Pass
			2	24.21	2.47	26.68	<=30	Pass
			3	24.18	2.47	26.65	<=30	Pass
		6	0	23.19	2.47	25.66	<=30	Pass
16QAM	1710.7	1	0	23.46	2.47	25.93	<=30	Pass
			2	23.64	2.47	26.11	<=30	Pass
			5	23.42	2.47	25.89	<=30	Pass
		3	0	23.27	2.47	25.74	<=30	Pass
			2	23.28	2.47	25.75	<=30	Pass
			3	23.26	2.47	25.73	<=30	Pass
		6	0	22.39	2.47	24.86	<=30	Pass
	1745	1	0	23.31	2.47	25.78	<=30	Pass
			2	23.48	2.47	25.95	<=30	Pass
			5	23.29	2.47	25.76	<=30	Pass
		3	0	23.12	2.47	25.59	<=30	Pass
			2	23.19	2.47	25.66	<=30	Pass
			3	23.15	2.47	25.62	<=30	Pass
		6	0	22.13	2.47	24.60	<=30	Pass
	1779.3	1	0	23.22	2.47	25.69	<=30	Pass
			2	23.43	2.47	25.90	<=30	Pass
			5	23.24	2.47	25.71	<=30	Pass
		3	0	23.06	2.47	25.53	<=30	Pass



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		2	23.06	2.47	25.53	<=30	Pass
		3	23.05	2.47	25.52	<=30	Pass
	6	0	22.22	2.47	24.69	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.2 B66_3MHz_EIRP

1.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	24.31	2.47	26.78	<=30	Pass
			7	24.49	2.47	26.96	<=30	Pass
			14	24.27	2.47	26.74	<=30	Pass
		8	0	23.33	2.47	25.80	<=30	Pass
			4	23.39	2.47	25.86	<=30	Pass
			7	23.35	2.47	25.82	<=30	Pass
		15	0	23.29	2.47	25.76	<=30	Pass
	1745	1	0	24.26	2.47	26.73	<=30	Pass
			7	24.46	2.47	26.93	<=30	Pass
			14	24.18	2.47	26.65	<=30	Pass
		8	0	23.11	2.47	25.58	<=30	Pass
			4	23.14	2.47	25.61	<=30	Pass
			7	23.09	2.47	25.56	<=30	Pass
		15	0	23.05	2.47	25.52	<=30	Pass
	1778.5	1	0	23.67	2.47	26.14	<=30	Pass
			7	23.90	2.47	26.37	<=30	Pass
			14	23.65	2.47	26.12	<=30	Pass
		8	0	22.71	2.47	25.18	<=30	Pass
			4	22.72	2.47	25.19	<=30	Pass
			7	22.68	2.47	25.15	<=30	Pass
		15	0	22.64	2.47	25.11	<=30	Pass
16QAM	1711.5	1	0	23.57	2.47	26.04	<=30	Pass
			7	23.73	2.47	26.20	<=30	Pass
			14	23.43	2.47	25.90	<=30	Pass
		8	0	22.42	2.47	24.89	<=30	Pass
			4	22.45	2.47	24.92	<=30	Pass
			7	22.40	2.47	24.87	<=30	Pass
		15	0	22.33	2.47	24.80	<=30	Pass
	1745	1	0	22.74	2.47	25.21	<=30	Pass
			7	22.94	2.47	25.41	<=30	Pass
			14	22.70	2.47	25.17	<=30	Pass
		8	0	21.89	2.47	24.36	<=30	Pass
			4	21.82	2.47	24.29	<=30	Pass
			7	21.79	2.47	24.26	<=30	Pass
		15	0	21.67	2.47	24.14	<=30	Pass



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	1778.5	1	0	22.83	2.47	25.30	<=30	Pass
			7	22.98	2.47	25.45	<=30	Pass
			14	22.76	2.47	25.23	<=30	Pass
		8	0	21.75	2.47	24.22	<=30	Pass
			4	21.76	2.47	24.23	<=30	Pass
			7	21.73	2.47	24.20	<=30	Pass
		15	0	21.63	2.47	24.10	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.3 B66_5MHz_EIRP

1.3.1 Test Result

Band: 66 / 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	23.78	2.47	26.25	<=30	Pass
			13	23.85	2.47	26.32	<=30	Pass
			24	23.69	2.47	26.16	<=30	Pass
		12	0	22.78	2.47	25.25	<=30	Pass
			6	22.85	2.47	25.32	<=30	Pass
			13	22.79	2.47	25.26	<=30	Pass
		25	0	22.81	2.47	25.28	<=30	Pass
	1745	1	0	23.65	2.47	26.12	<=30	Pass
			13	23.76	2.47	26.23	<=30	Pass
			24	23.62	2.47	26.09	<=30	Pass
		12	0	22.67	2.47	25.14	<=30	Pass
			6	22.75	2.47	25.22	<=30	Pass
			13	22.65	2.47	25.12	<=30	Pass
		25	0	22.73	2.47	25.20	<=30	Pass
	1777.5	1	0	23.58	2.47	26.05	<=30	Pass
			13	23.72	2.47	26.19	<=30	Pass
			24	23.58	2.47	26.05	<=30	Pass
		12	0	22.72	2.47	25.19	<=30	Pass
			6	22.72	2.47	25.19	<=30	Pass
			13	22.66	2.47	25.13	<=30	Pass
		25	0	22.71	2.47	25.18	<=30	Pass
16QAM	1712.5	1	0	22.82	2.47	25.29	<=30	Pass
			13	22.91	2.47	25.38	<=30	Pass
			24	22.76	2.47	25.23	<=30	Pass
		12	0	21.84	2.47	24.31	<=30	Pass
			6	21.91	2.47	24.38	<=30	Pass
			13	21.84	2.47	24.31	<=30	Pass
		25	0	21.90	2.47	24.37	<=30	Pass
	1745	1	0	22.80	2.47	25.27	<=30	Pass
			13	22.90	2.47	25.37	<=30	Pass
			24	22.75	2.47	25.22	<=30	Pass



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		12	0	21.75	2.47	24.22	<=30	Pass
			6	21.83	2.47	24.30	<=30	Pass
			13	21.74	2.47	24.21	<=30	Pass
		25	0	21.80	2.47	24.27	<=30	Pass
	1777.5	1	0	22.71	2.47	25.18	<=30	Pass
			13	22.83	2.47	25.30	<=30	Pass
			24	22.69	2.47	25.16	<=30	Pass
		12	0	21.78	2.47	24.25	<=30	Pass
			6	21.81	2.47	24.28	<=30	Pass
			13	21.72	2.47	24.19	<=30	Pass
		25	0	21.73	2.47	24.20	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.4 B66_10MHz_EIRP

1.4.1 Test Result

Band: 66 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	23.83	2.47	26.30	<=30	Pass
			25	23.87	2.47	26.34	<=30	Pass
			49	23.76	2.47	26.23	<=30	Pass
		25	0	22.79	2.47	25.26	<=30	Pass
			13	22.83	2.47	25.30	<=30	Pass
			25	22.89	2.47	25.36	<=30	Pass
		50	0	22.84	2.47	25.31	<=30	Pass
	1745	1	0	23.78	2.47	26.25	<=30	Pass
			25	23.84	2.47	26.31	<=30	Pass
			49	23.74	2.47	26.21	<=30	Pass
		25	0	22.73	2.47	25.20	<=30	Pass
			13	22.74	2.47	25.21	<=30	Pass
			25	22.79	2.47	25.26	<=30	Pass
		50	0	22.76	2.47	25.23	<=30	Pass
	1775	1	0	23.62	2.47	26.09	<=30	Pass
			25	23.72	2.47	26.19	<=30	Pass
			49	23.59	2.47	26.06	<=30	Pass
		25	0	22.71	2.47	25.18	<=30	Pass
			13	22.66	2.47	25.13	<=30	Pass
			25	22.64	2.47	25.11	<=30	Pass
		50	0	22.64	2.47	25.11	<=30	Pass
16QAM	1715	1	0	23.03	2.47	25.50	<=30	Pass
			25	23.06	2.47	25.53	<=30	Pass
			49	22.93	2.47	25.40	<=30	Pass
		25	0	21.90	2.47	24.37	<=30	Pass
			13	21.88	2.47	24.35	<=30	Pass
			25	21.91	2.47	24.38	<=30	Pass



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	1745	50	0	21.89	2.47	24.36	<=30	Pass
		1	0	22.60	2.47	25.07	<=30	Pass
			25	22.73	2.47	25.20	<=30	Pass
			49	22.60	2.47	25.07	<=30	Pass
			0	21.87	2.47	24.34	<=30	Pass
		25	13	21.86	2.47	24.33	<=30	Pass
			25	21.87	2.47	24.34	<=30	Pass
		50	0	21.85	2.47	24.32	<=30	Pass
	1775	1	0	22.76	2.47	25.23	<=30	Pass
			25	22.83	2.47	25.30	<=30	Pass
			49	22.70	2.47	25.17	<=30	Pass
			0	21.82	2.47	24.29	<=30	Pass
		25	13	21.69	2.47	24.16	<=30	Pass
			25	21.72	2.47	24.19	<=30	Pass
			50	21.70	2.47	24.17	<=30	Pass
		50	0	21.70	2.47	24.17	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.5 B66_15MHz_EIRP

1.5.1 Test Result

Band: 66 / 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	23.78	2.47	26.25	<=30	Pass
			38	23.79	2.47	26.26	<=30	Pass
			74	23.68	2.47	26.15	<=30	Pass
		36	0	22.85	2.47	25.32	<=30	Pass
			18	22.92	2.47	25.39	<=30	Pass
			39	22.84	2.47	25.31	<=30	Pass
		75	0	22.85	2.47	25.32	<=30	Pass
			0	23.73	2.47	26.20	<=30	Pass
			38	23.76	2.47	26.23	<=30	Pass
			74	23.68	2.47	26.15	<=30	Pass
		36	0	22.75	2.47	25.22	<=30	Pass
			18	22.75	2.47	25.22	<=30	Pass
			39	22.76	2.47	25.23	<=30	Pass
	1745	1	0	22.78	2.47	25.25	<=30	Pass
			0	23.64	2.47	26.11	<=30	Pass
			38	23.68	2.47	26.15	<=30	Pass
			74	23.56	2.47	26.03	<=30	Pass
		36	0	22.80	2.47	25.27	<=30	Pass
			18	22.79	2.47	25.26	<=30	Pass
			39	22.74	2.47	25.21	<=30	Pass
		75	0	22.77	2.47	25.24	<=30	Pass
			0	23.01	2.47	25.48	<=30	Pass
			38	23.04	2.47	25.51	<=30	Pass
	1772.5	1	0	23.01	2.47	25.48	<=30	Pass
			38	23.04	2.47	25.51	<=30	Pass
			74	22.77	2.47	25.24	<=30	Pass



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		36	74	22.85	2.47	25.32	<=30	Pass
			0	21.83	2.47	24.30	<=30	Pass
			18	21.89	2.47	24.36	<=30	Pass
			39	21.82	2.47	24.29	<=30	Pass
		75	0	21.83	2.47	24.30	<=30	Pass
	1745	1	0	22.60	2.47	25.07	<=30	Pass
			38	22.65	2.47	25.12	<=30	Pass
			74	22.52	2.47	24.99	<=30	Pass
		36	0	21.75	2.47	24.22	<=30	Pass
			18	21.74	2.47	24.21	<=30	Pass
			39	21.75	2.47	24.22	<=30	Pass
		75	0	21.77	2.47	24.24	<=30	Pass
			0	21.77	2.47	24.24	<=30	Pass
	1772.5	1	0	22.84	2.47	25.31	<=30	Pass
			38	22.89	2.47	25.36	<=30	Pass
			74	22.75	2.47	25.22	<=30	Pass
		36	0	21.82	2.47	24.29	<=30	Pass
			18	21.81	2.47	24.28	<=30	Pass
			39	21.73	2.47	24.20	<=30	Pass
		75	0	21.75	2.47	24.22	<=30	Pass
			0	21.75	2.47	24.22	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.6 B66_20MHz_EIRP

1.6.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	23.82	2.47	26.29	<=30	Pass
			50	23.98	2.47	26.45	<=30	Pass
			99	23.69	2.47	26.16	<=30	Pass
		50	0	22.78	2.47	25.25	<=30	Pass
			25	22.85	2.47	25.32	<=30	Pass
			50	22.70	2.47	25.17	<=30	Pass
		100	0	22.74	2.47	25.21	<=30	Pass
			0	23.59	2.47	26.06	<=30	Pass
			50	23.70	2.47	26.17	<=30	Pass
	1745	1	99	23.43	2.47	25.90	<=30	Pass
			0	22.72	2.47	25.19	<=30	Pass
			25	22.76	2.47	25.23	<=30	Pass
		50	50	22.75	2.47	25.22	<=30	Pass
			0	22.70	2.47	25.17	<=30	Pass
		100	0	23.63	2.47	26.10	<=30	Pass
			50	23.82	2.47	26.29	<=30	Pass
			99	23.54	2.47	26.01	<=30	Pass
		50	0	22.70	2.47	25.17	<=30	Pass
			25	22.68	2.47	25.15	<=30	Pass



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			50	22.56	2.47	25.03	<=30	Pass		
		100	0	22.62	2.47	25.09	<=30	Pass		
16QAM	1720	1	0	22.92	2.47	25.39	<=30	Pass		
			50	23.12	2.47	25.59	<=30	Pass		
			99	22.73	2.47	25.20	<=30	Pass		
		50	0	21.85	2.47	24.32	<=30	Pass		
			25	21.91	2.47	24.38	<=30	Pass		
			50	21.81	2.47	24.28	<=30	Pass		
		100	0	21.76	2.47	24.23	<=30	Pass		
		1745	1	0	22.68	2.47	25.15	<=30	Pass	
				50	22.88	2.47	25.35	<=30	Pass	
	99			22.61	2.47	25.08	<=30	Pass		
	50		0	21.84	2.47	24.31	<=30	Pass		
			25	21.90	2.47	24.37	<=30	Pass		
			50	21.85	2.47	24.32	<=30	Pass		
	100		0	21.75	2.47	24.22	<=30	Pass		
	1770		1	0	22.71	2.47	25.18	<=30	Pass	
				50	22.86	2.47	25.33	<=30	Pass	
		99		22.55	2.47	25.02	<=30	Pass		
		50	0	21.78	2.47	24.25	<=30	Pass		
			25	21.74	2.47	24.21	<=30	Pass		
			50	21.62	2.47	24.09	<=30	Pass		
		100	0	21.64	2.47	24.11	<=30	Pass		
		Note1: EIRP=Conducted Power+Antenna Gain								



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2. Frequency Stability

2.6 B66_20MHz

2.6.1 Test Result

Band: 66 / 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	8	-7.911	-0.0046	/	Pass
					12	-8.496	-0.0049	/	Pass
					16	-7.893	-0.0046	/	Pass
				-30	12	-9.409	-0.0055	/	Pass
					12	-8.277	-0.0048	/	Pass
					12	-8.542	-0.0050	/	Pass
				0	12	-5.221	-0.0030	/	Pass
					12	-8.551	-0.0050	/	Pass
					12	-7.418	-0.0043	/	Pass
				40	12	-7.761	-0.0045	/	Pass
					12	-2.755	-0.0016	/	Pass
					12	-3.020	-0.0017	/	Pass
	1745	100	0	20	8	-7.585	-0.0043	/	Pass
					12	-2.145	-0.0012	/	Pass
					16	-4.328	-0.0025	/	Pass
				-30	12	-7.286	-0.0042	/	Pass
					12	-7.566	-0.0043	/	Pass
					12	-4.936	-0.0028	/	Pass
				0	12	-1.189	-0.0007	/	Pass
					12	-1.604	-0.0009	/	Pass
					12	-5.363	-0.0031	/	Pass
				40	12	-7.048	-0.0040	/	Pass
					12	-1.458	-0.0008	/	Pass
	1770	100	0	20	8	-4.532	-0.0026	/	Pass
					12	0.720	0.0004	/	Pass
					16	2.954	0.0017	/	Pass
				-30	12	-2.210	-0.0012	/	Pass
					12	-1.725	-0.0010	/	Pass
					12	0.348	0.0002	/	Pass
				0	12	1.184	0.0007	/	Pass
					12	-2.194	-0.0012	/	Pass
					12	-0.109	-0.0001	/	Pass
				40	12	-2.184	-0.0012	/	Pass
					12	-10.195	-0.0059	/	Pass
16QAM	1720	100	0	20	8	-2.725	-0.0016	/	Pass
					12	-7.922	-0.0046	/	Pass
					16	-9.391	-0.0055	/	Pass
				-30	12	-9.039	-0.0053	/	Pass
					12	-8.008	-0.0047	/	Pass



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				0	12	-6.417	-0.0037	/	Pass
				10	12	-4.045	-0.0024	/	Pass
				30	12	-2.386	-0.0014	/	Pass
				40	12	-6.734	-0.0039	/	Pass
				50	12	-5.790	-0.0034	/	Pass
	1745	100	0	20	8	1.216	0.0007	/	Pass
					12	-6.493	-0.0037	/	Pass
					16	-5.084	-0.0029	/	Pass
				-30	12	-4.803	-0.0028	/	Pass
				-20	12	-1.780	-0.0010	/	Pass
				-10	12	-1.419	-0.0008	/	Pass
				0	12	-0.732	-0.0004	/	Pass
				10	12	-4.829	-0.0028	/	Pass
				30	12	-1.068	-0.0006	/	Pass
				40	12	1.311	0.0008	/	Pass
				50	12	-0.597	-0.0003	/	Pass
				20	8	-4.251	-0.0024	/	Pass
					12	-3.719	-0.0021	/	Pass
					16	0.648	0.0004	/	Pass
				-30	12	1.375	0.0008	/	Pass
				-20	12	0.499	0.0003	/	Pass
				-10	12	-2.707	-0.0015	/	Pass
				0	12	0.960	0.0005	/	Pass
				10	12	-1.512	-0.0009	/	Pass
				30	12	-4.917	-0.0028	/	Pass
				40	12	-0.357	-0.0002	/	Pass
				50	12	-4.942	-0.0028	/	Pass



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3. 99% & 26dB Bandwidth

3.1 Band66_OBW

3.1.1 Test Result

Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.102	/	Pass
		1745	6	0	1.113	/	Pass
		1779.3	6	0	1.109	/	Pass
	16QAM	1710.7	6	0	1.105	/	Pass
		1745	6	0	1.114	/	Pass
		1779.3	6	0	1.111	/	Pass
3	QPSK	1711.5	15	0	2.722	/	Pass
		1745	15	0	2.712	/	Pass
		1778.5	15	0	2.730	/	Pass
	16QAM	1711.5	15	0	2.711	/	Pass
		1745	15	0	2.727	/	Pass
		1778.5	15	0	2.719	/	Pass
5	QPSK	1712.5	25	0	4.580	/	Pass
		1745	25	0	4.572	/	Pass
		1777.5	25	0	4.557	/	Pass
	16QAM	1712.5	25	0	4.554	/	Pass
		1745	25	0	4.562	/	Pass
		1777.5	25	0	4.583	/	Pass
10	QPSK	1715	50	0	9.091	/	Pass
		1745	50	0	9.050	/	Pass
		1775	50	0	9.105	/	Pass
	16QAM	1715	50	0	9.087	/	Pass
		1745	50	0	9.080	/	Pass
		1775	50	0	9.072	/	Pass
15	QPSK	1717.5	75	0	13.627	/	Pass
		1745	75	0	13.589	/	Pass
		1772.5	75	0	13.628	/	Pass
	16QAM	1717.5	75	0	13.609	/	Pass
		1745	75	0	13.594	/	Pass
		1772.5	75	0	13.616	/	Pass
20	QPSK	1720	100	0	18.098	/	Pass
		1745	100	0	18.116	/	Pass
		1770	100	0	18.115	/	Pass
	16QAM	1720	100	0	18.089	/	Pass
		1745	100	0	18.096	/	Pass
		1770	100	0	18.138	/	Pass



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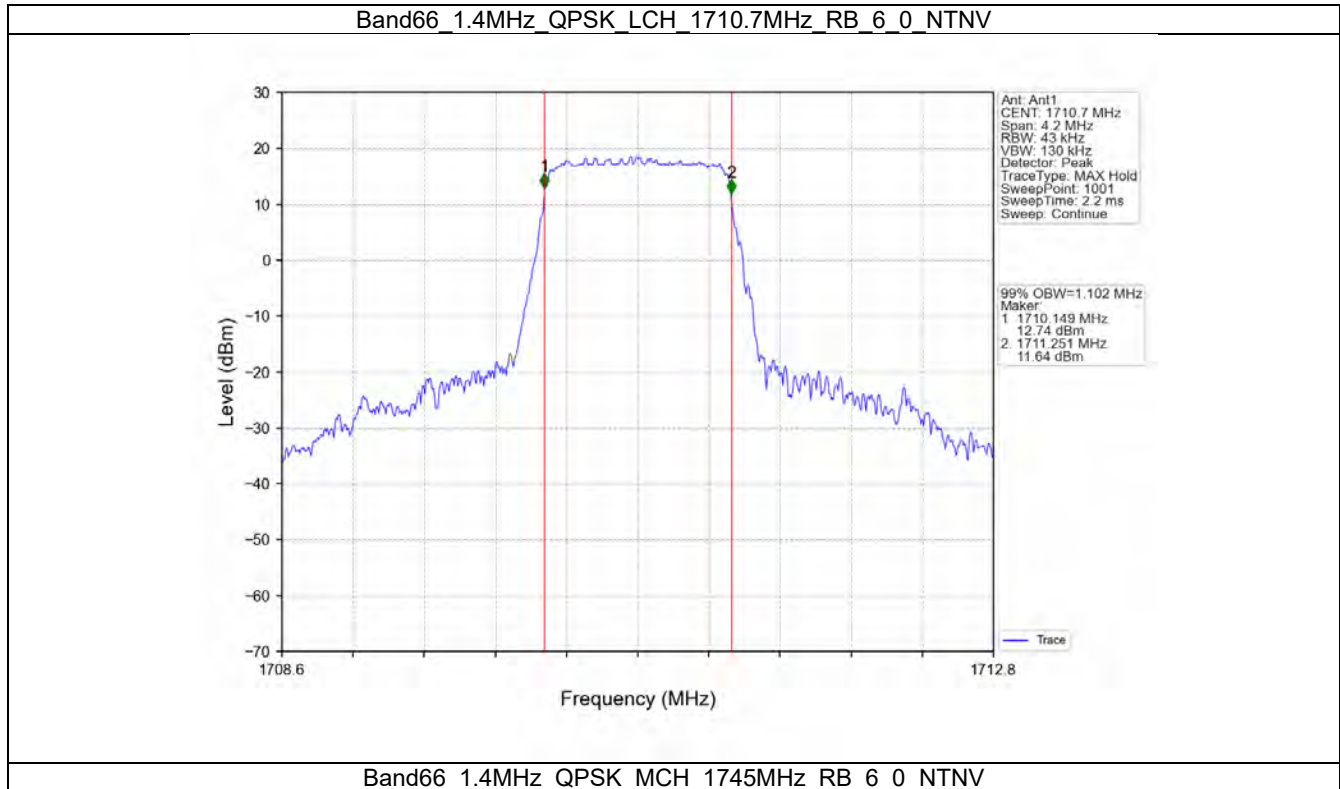
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3.1.2 Test Graph



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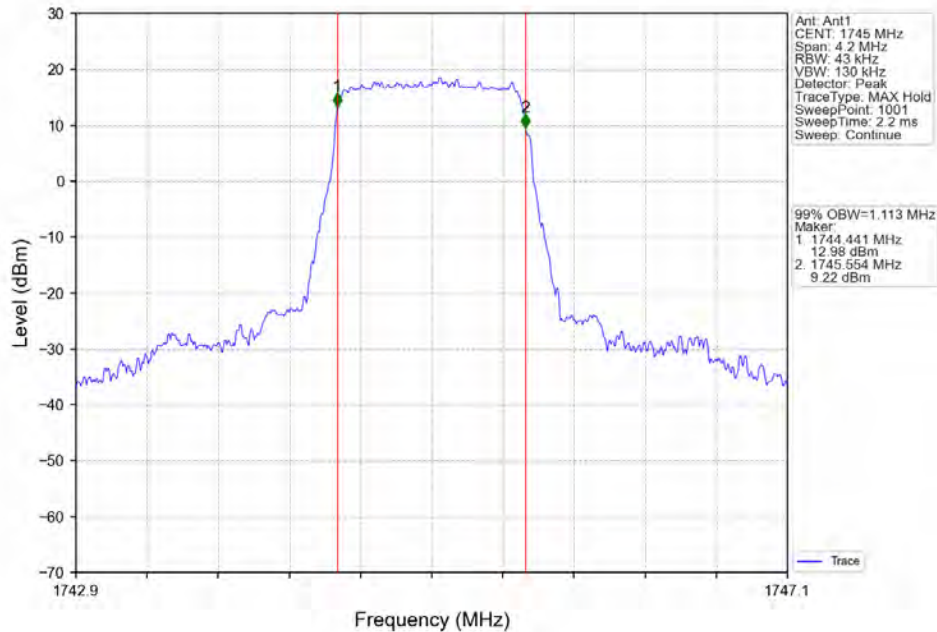
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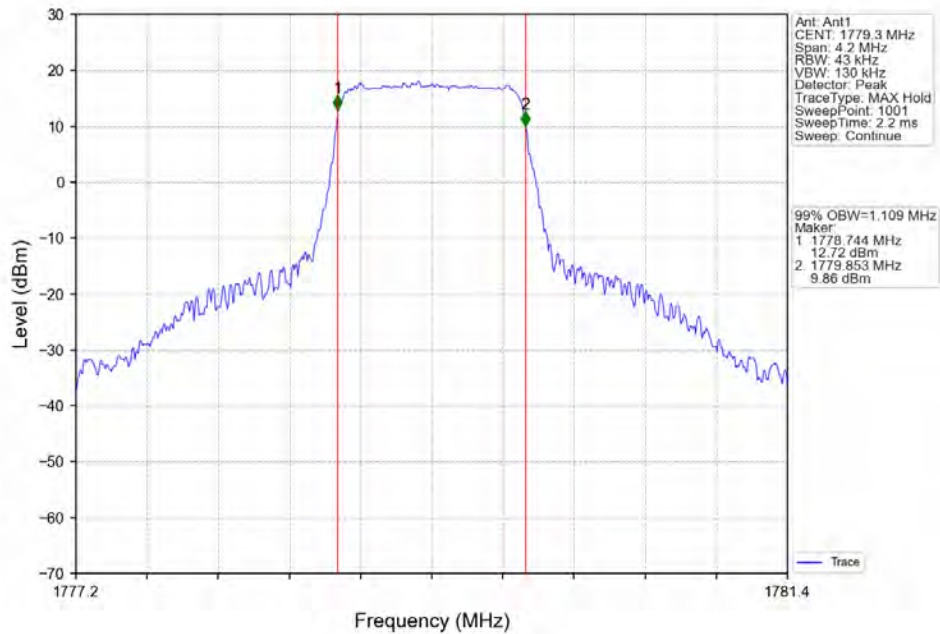
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Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTN



Band66 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTN



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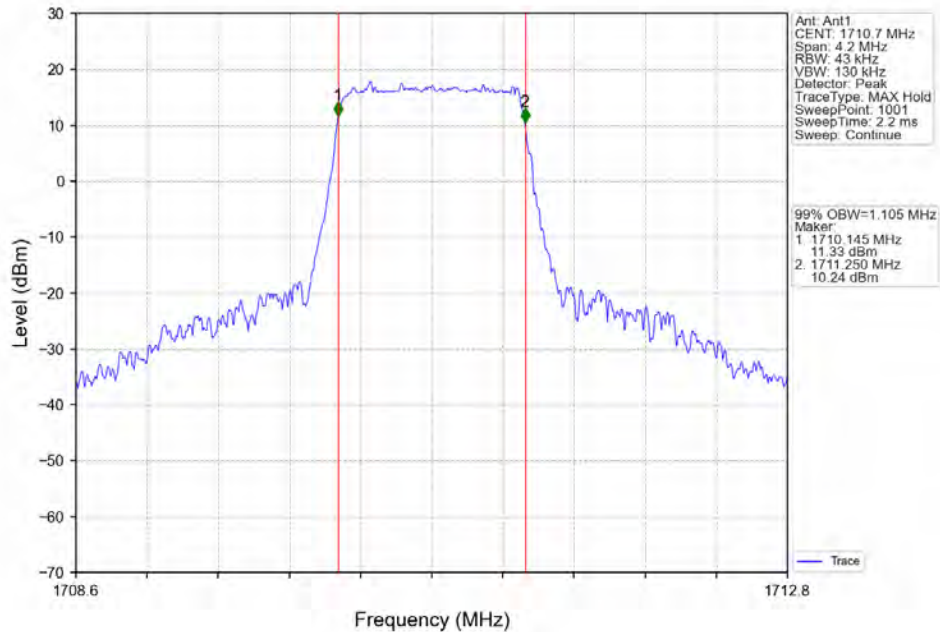
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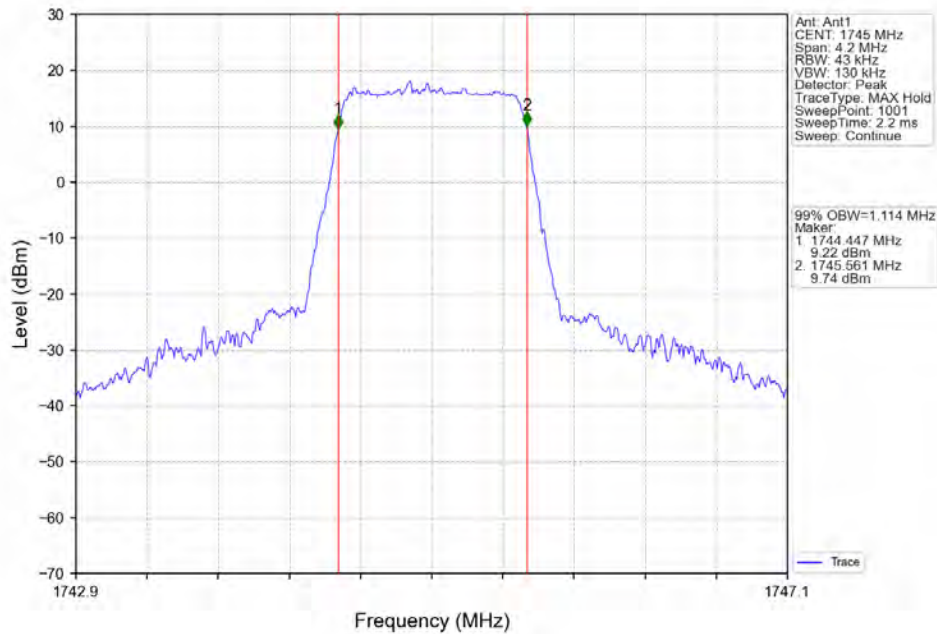
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Band66 1.4MHz 16QAM MCH 1745MHz RB 6 0 NTNV



Band66 1.4MHz 16QAM HCH 1779.3MHz RB 6 0 NTNV



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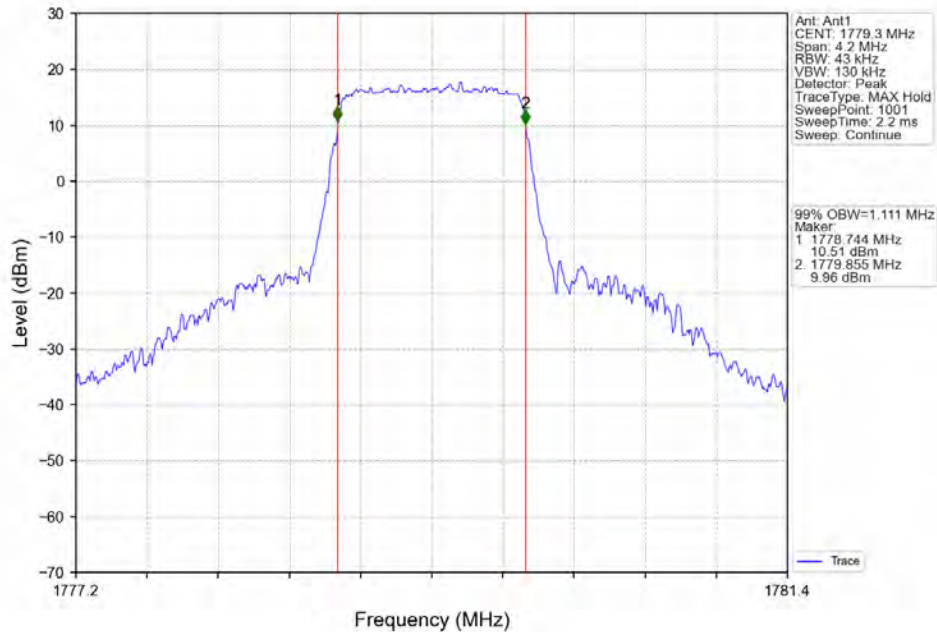
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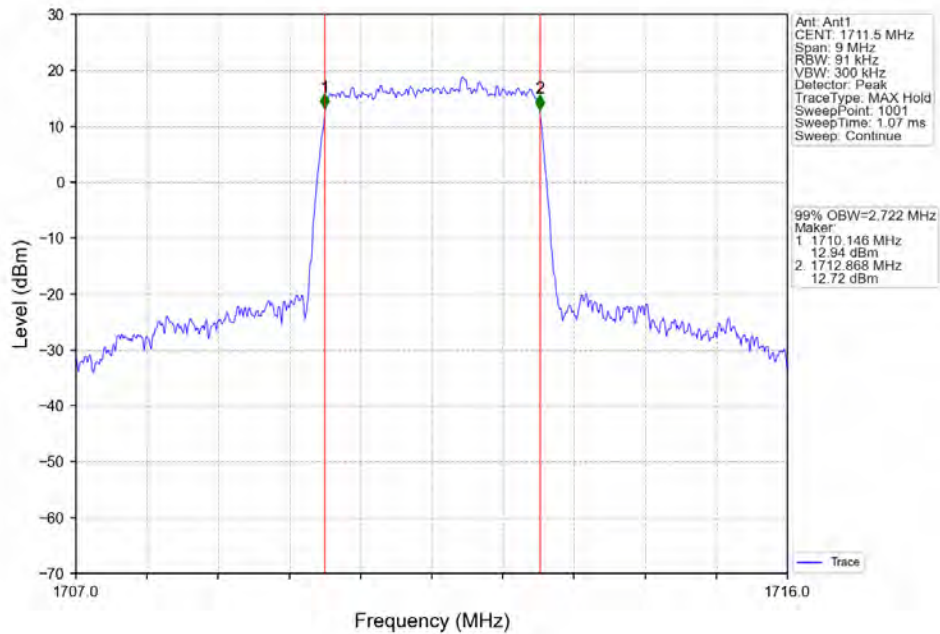
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Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



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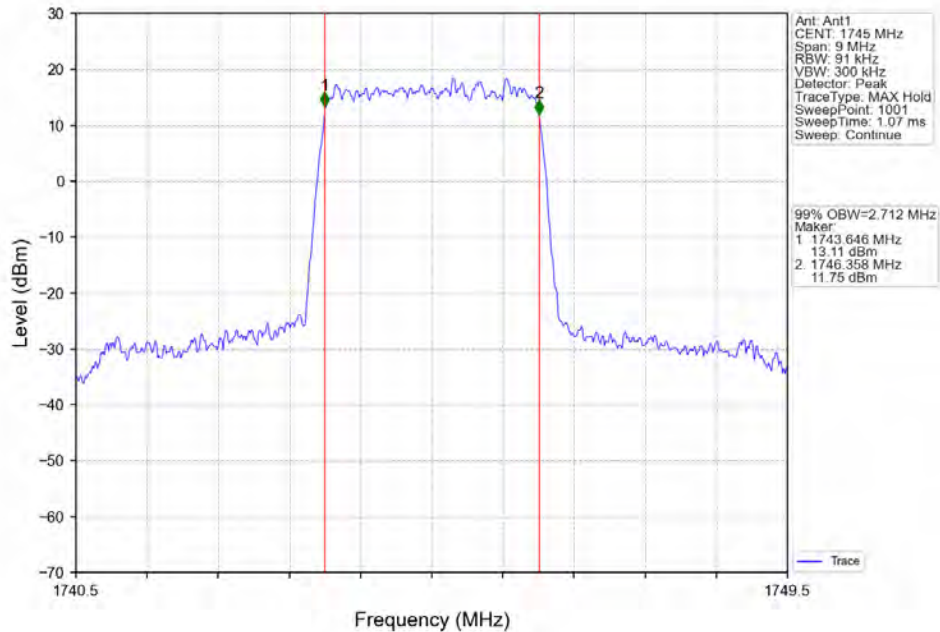
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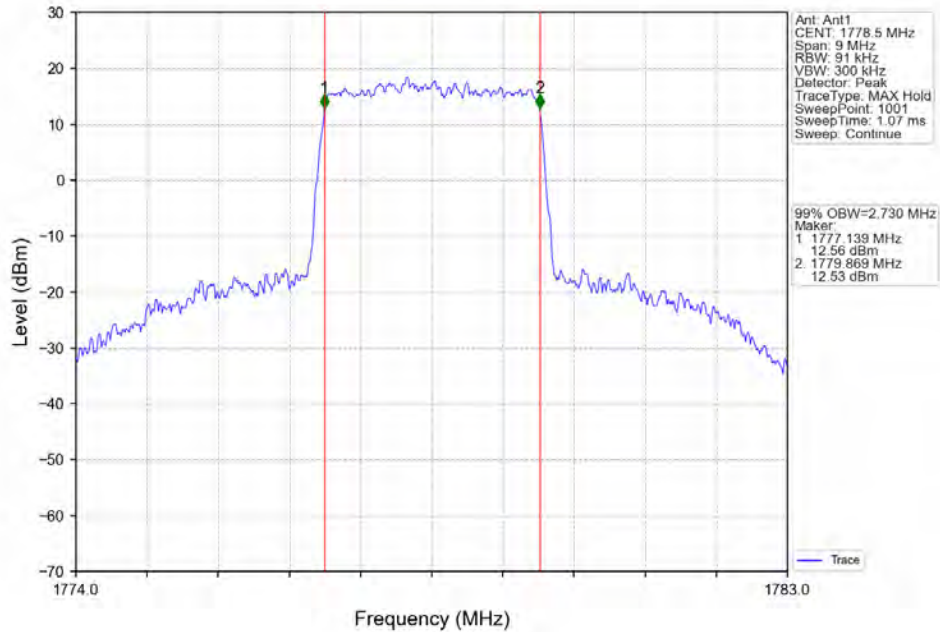
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Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



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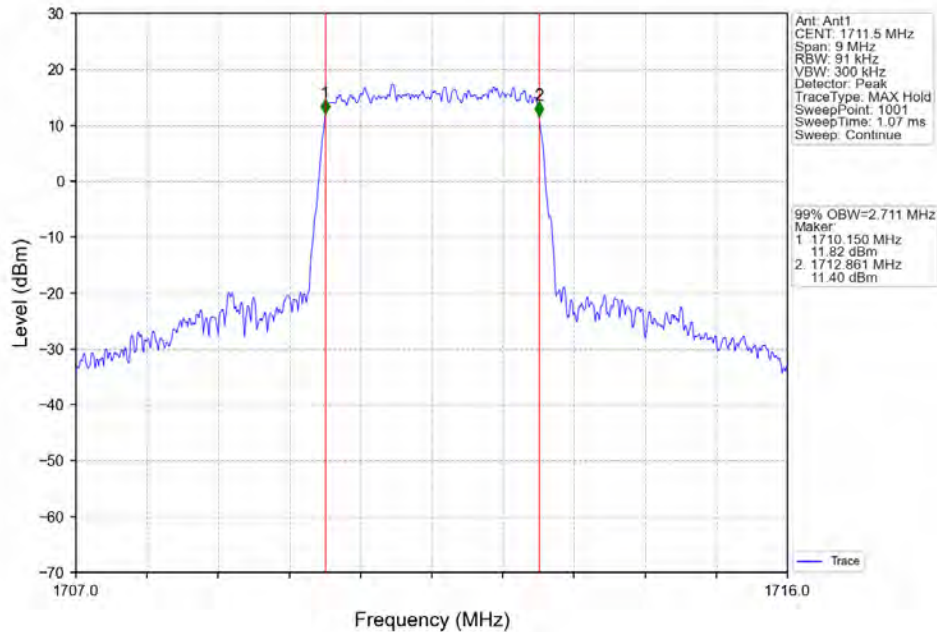
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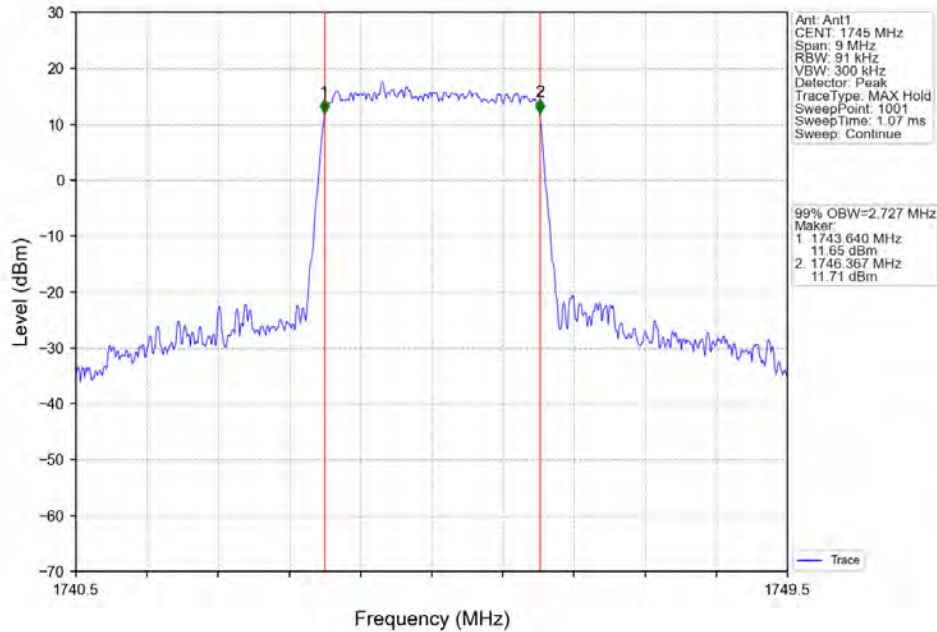
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Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



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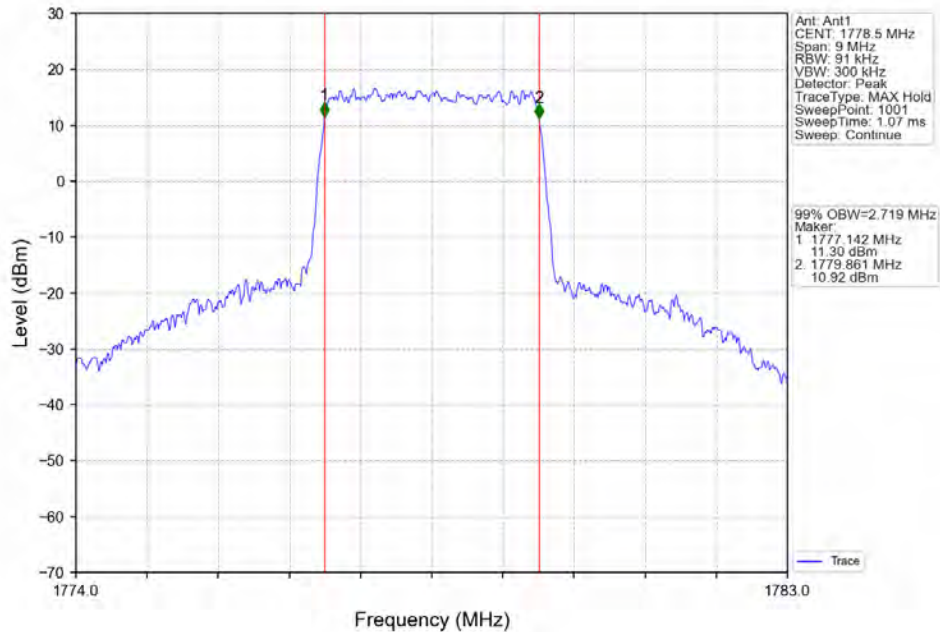
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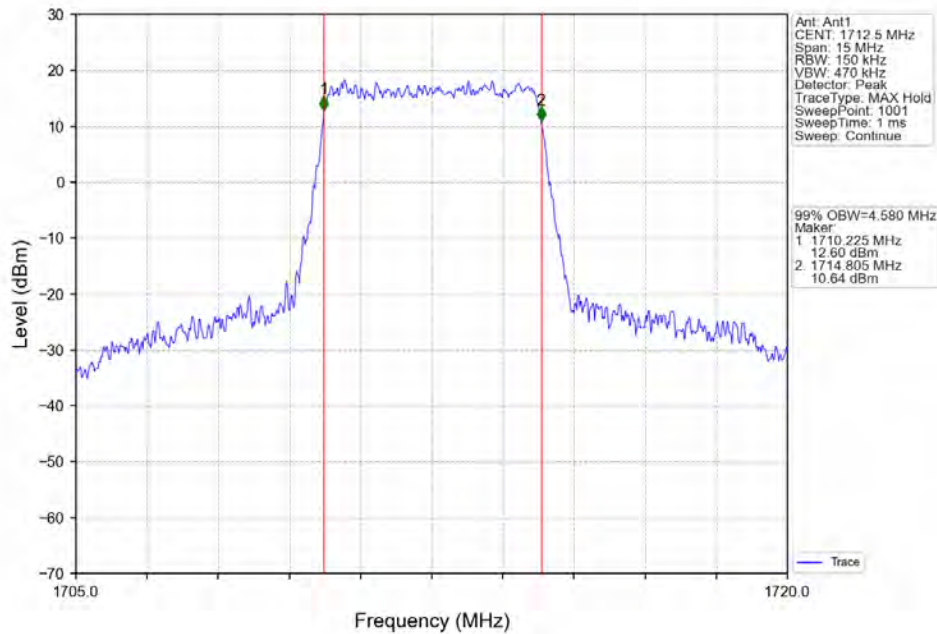
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Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



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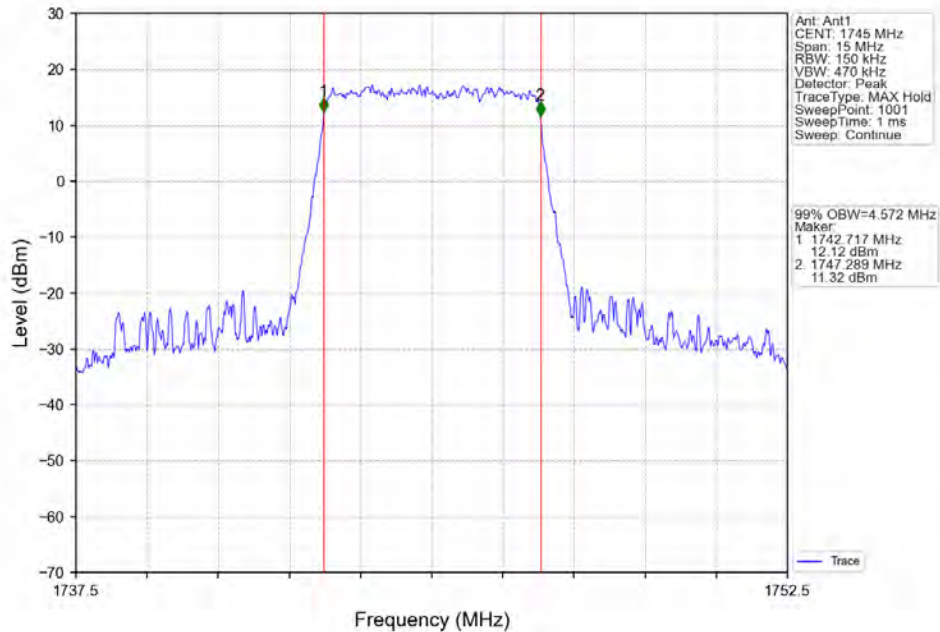
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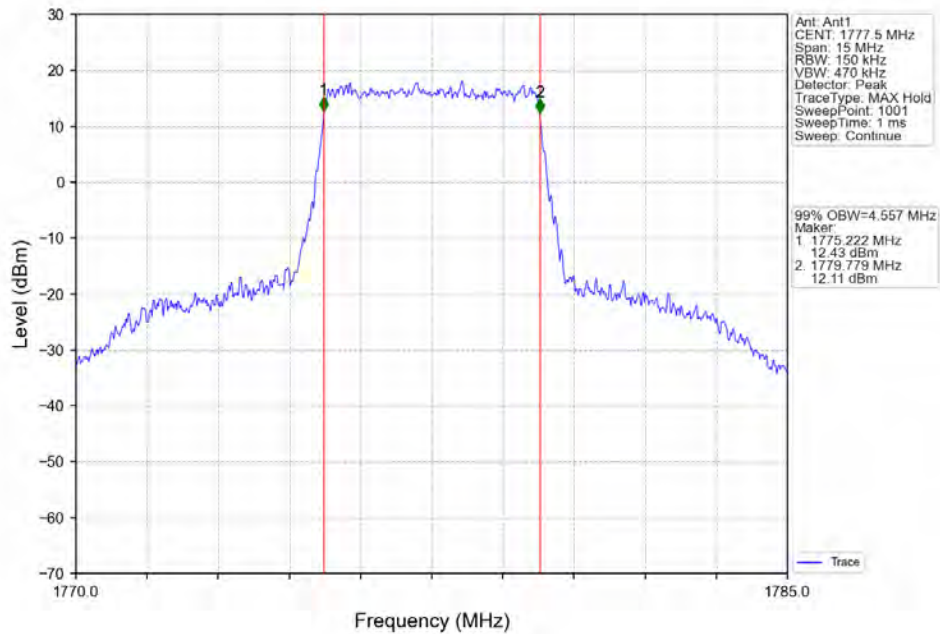
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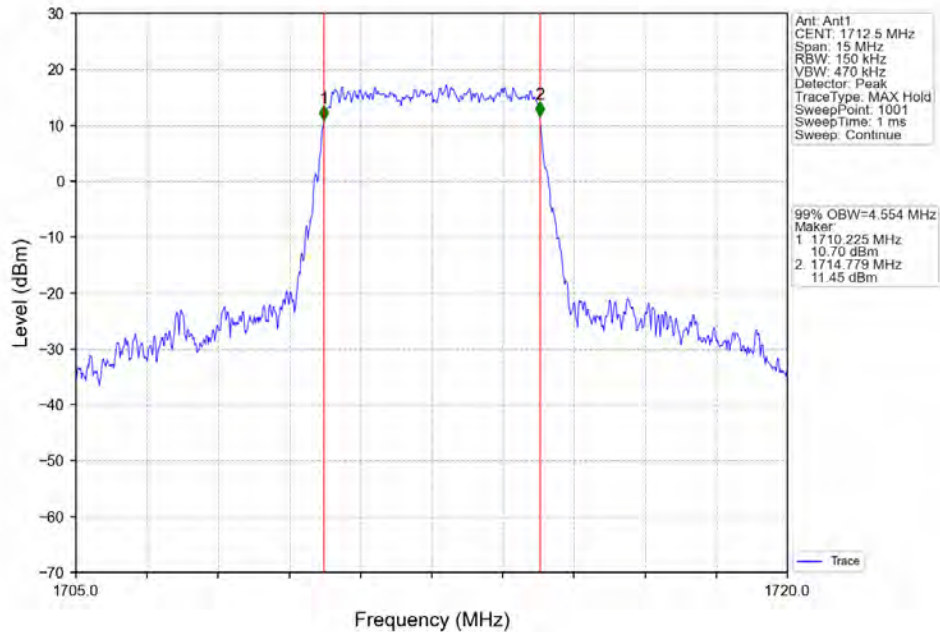
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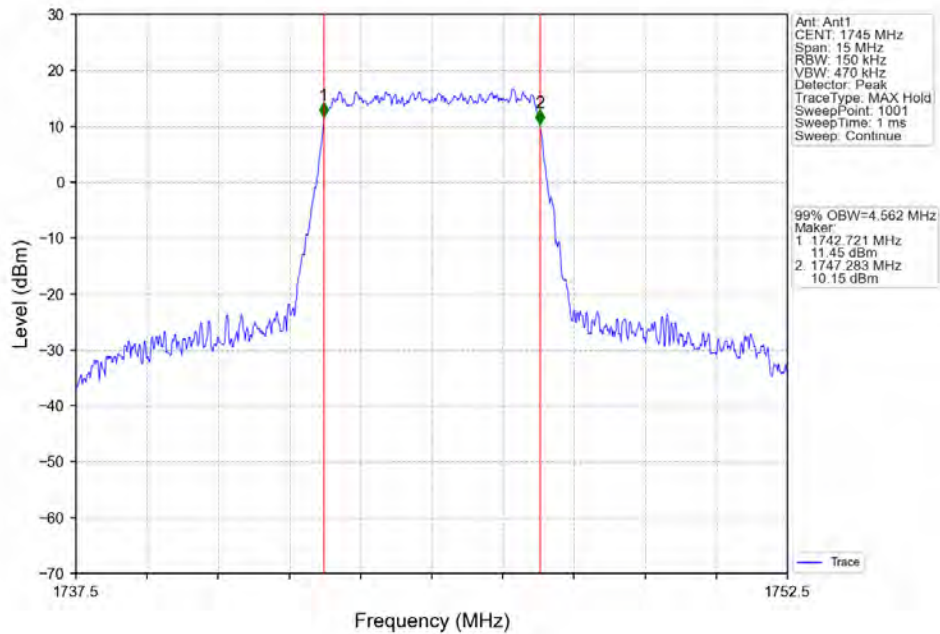
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Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



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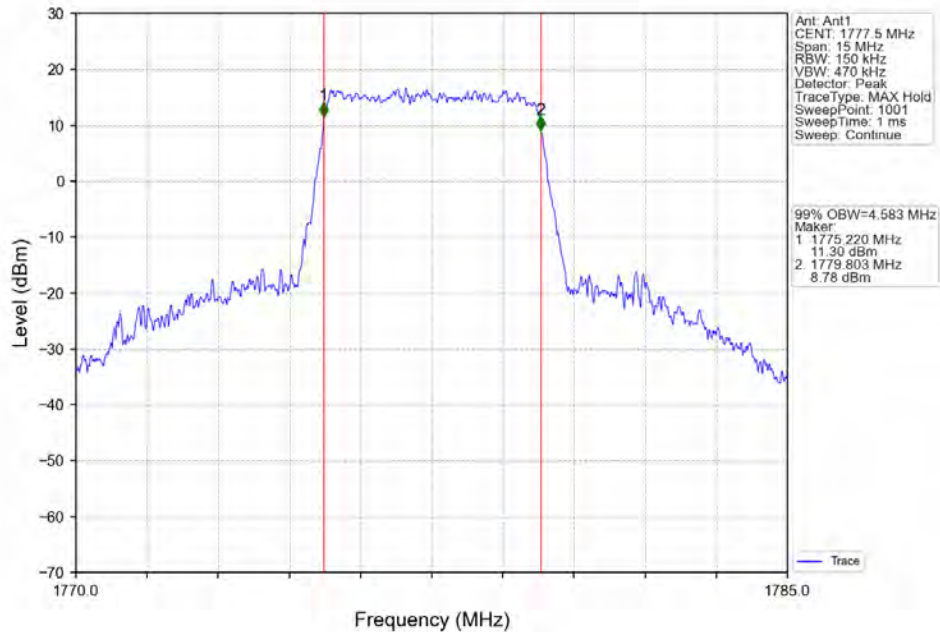
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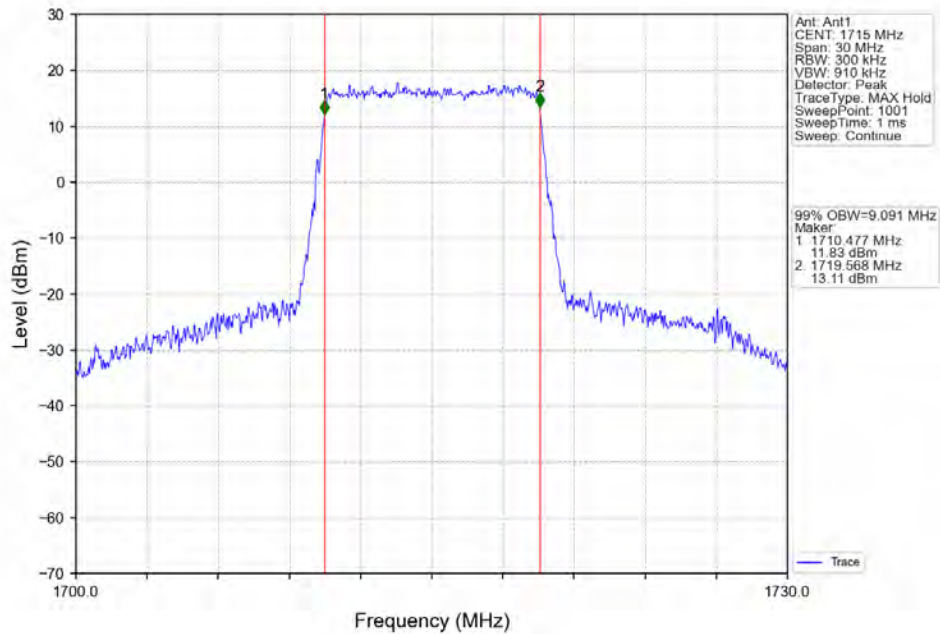
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Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



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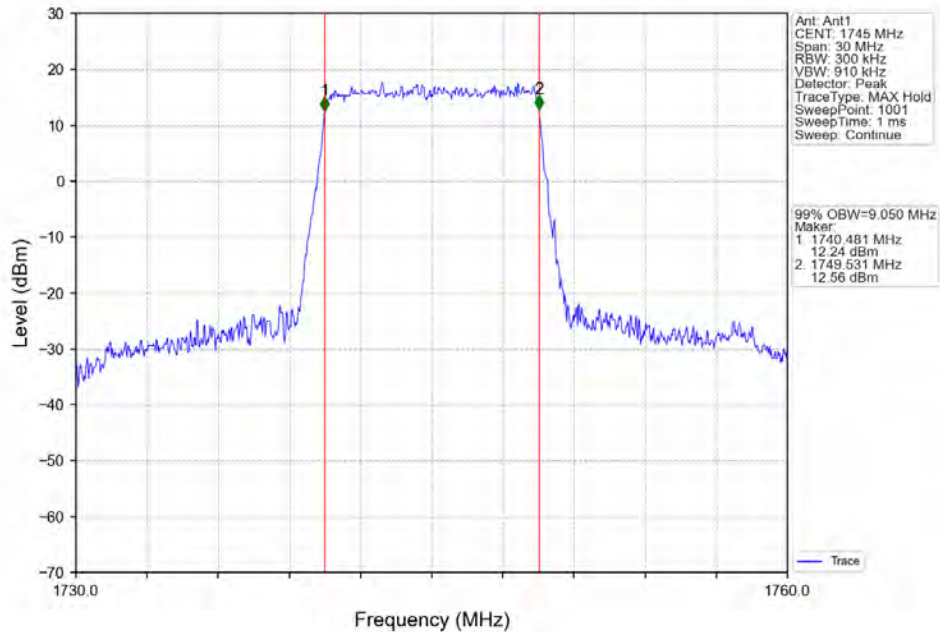
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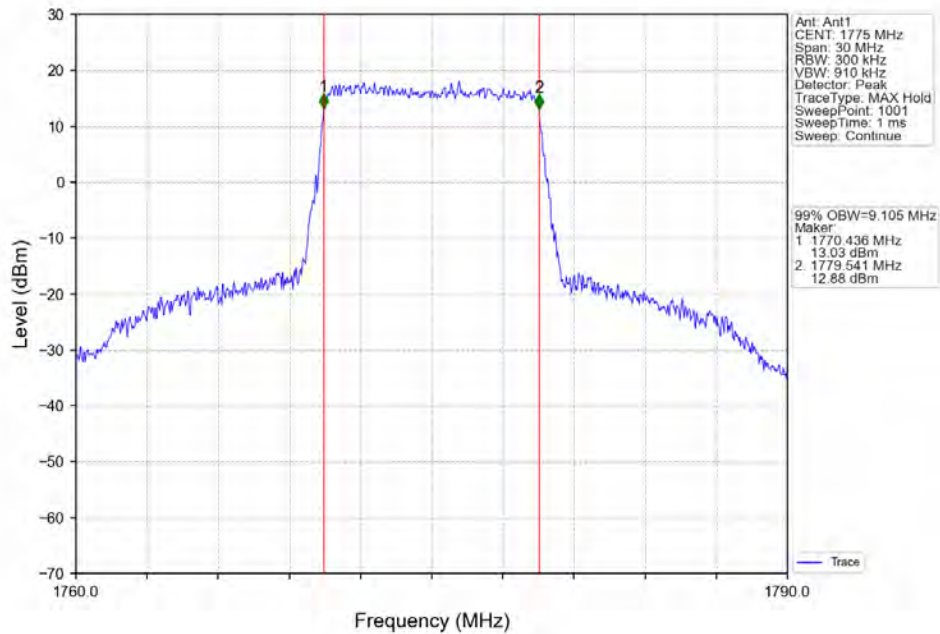
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Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



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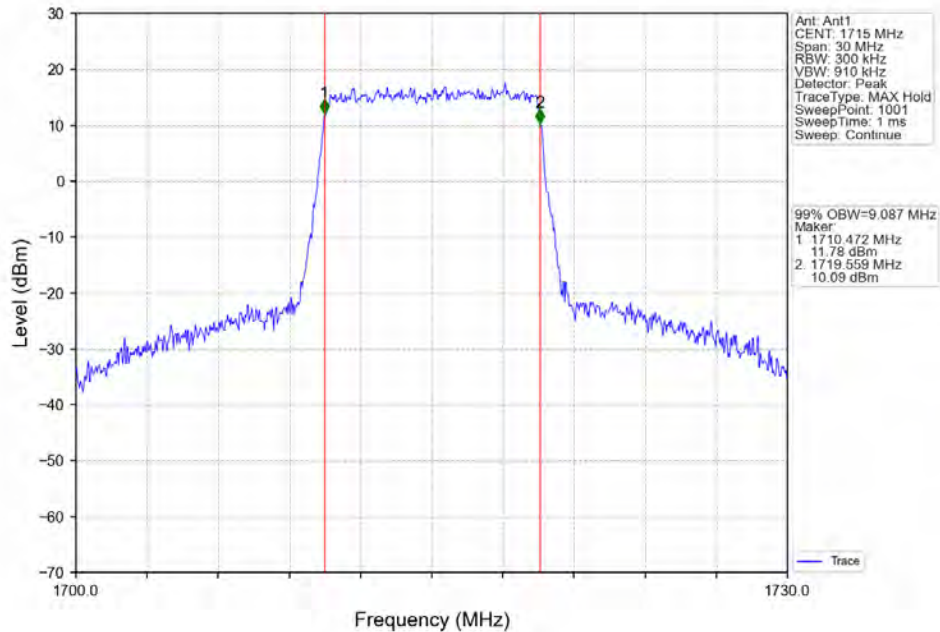
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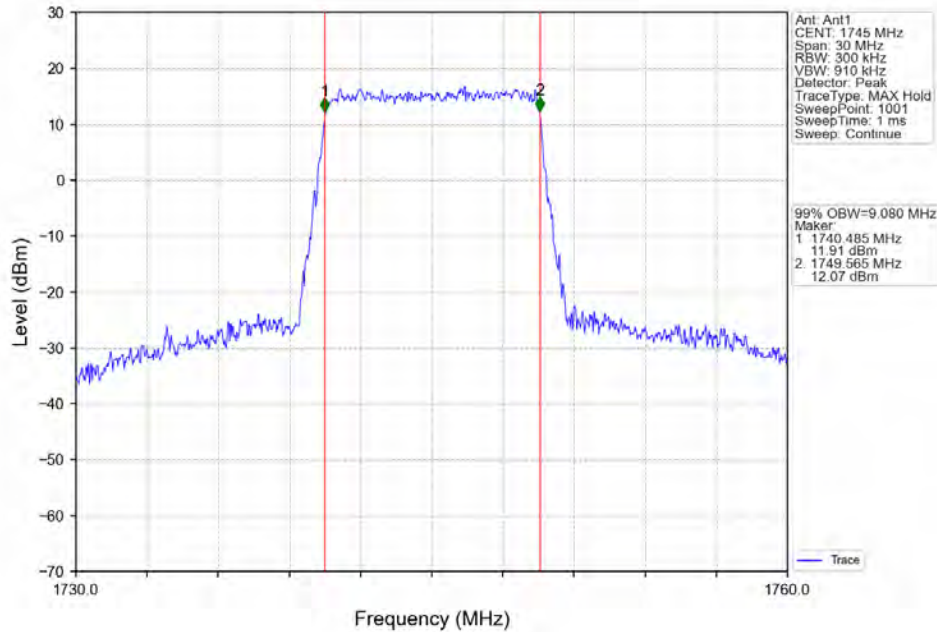
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Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



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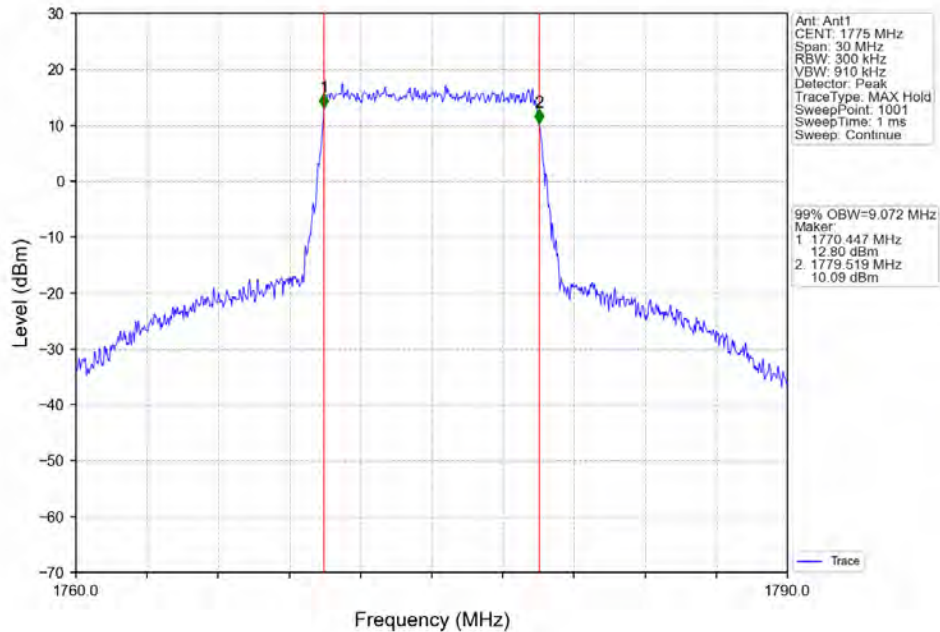
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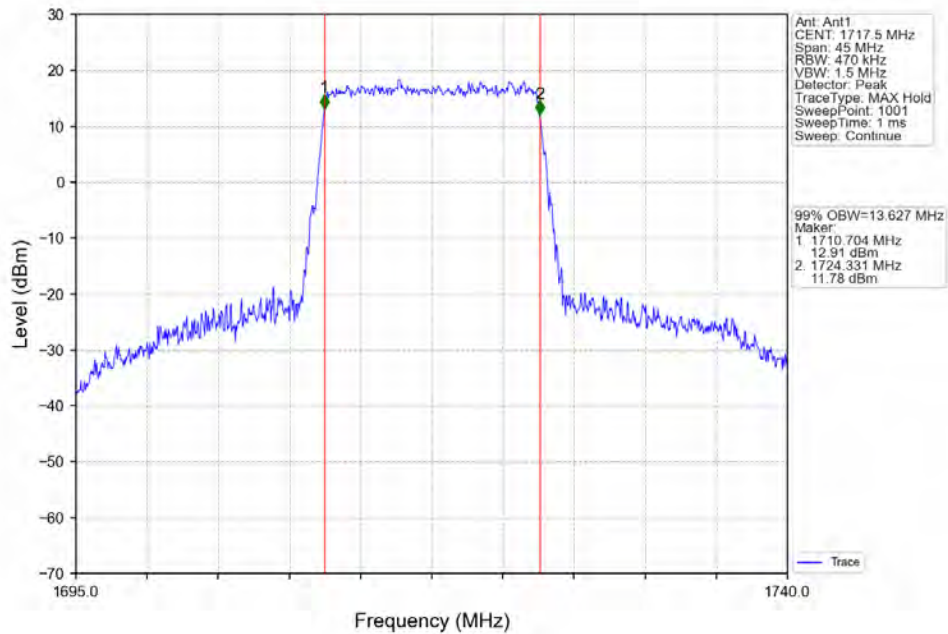
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Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



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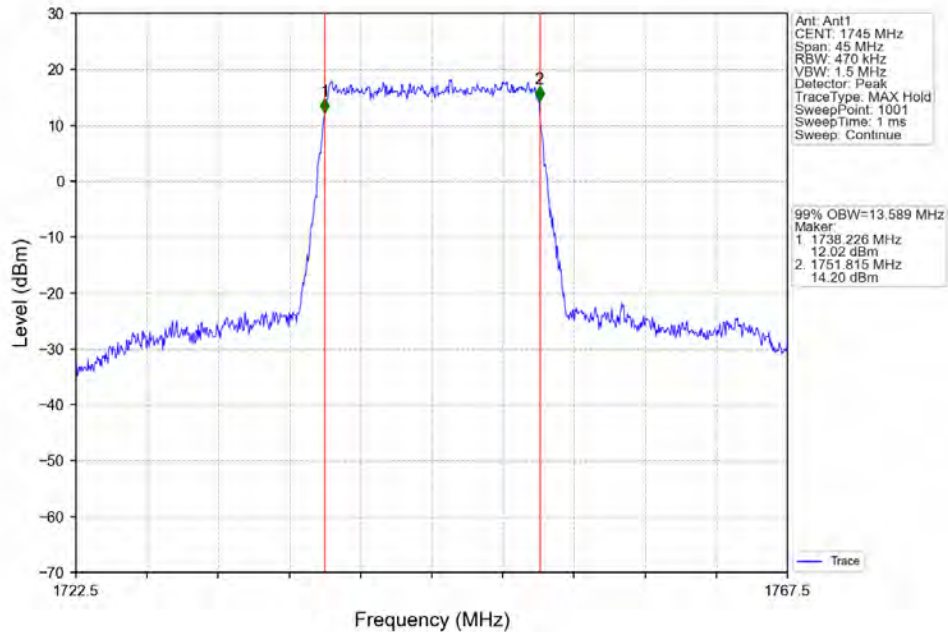
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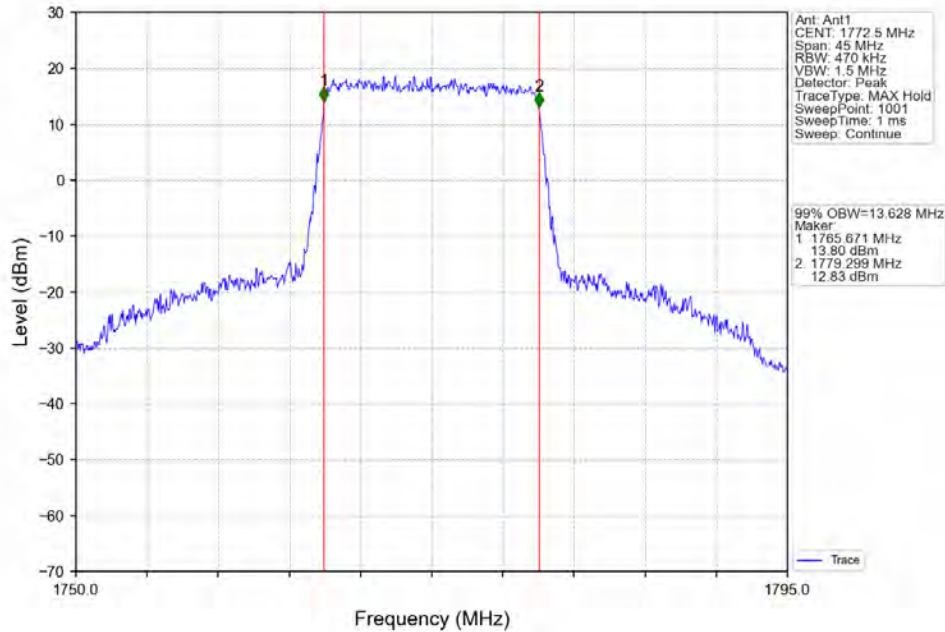
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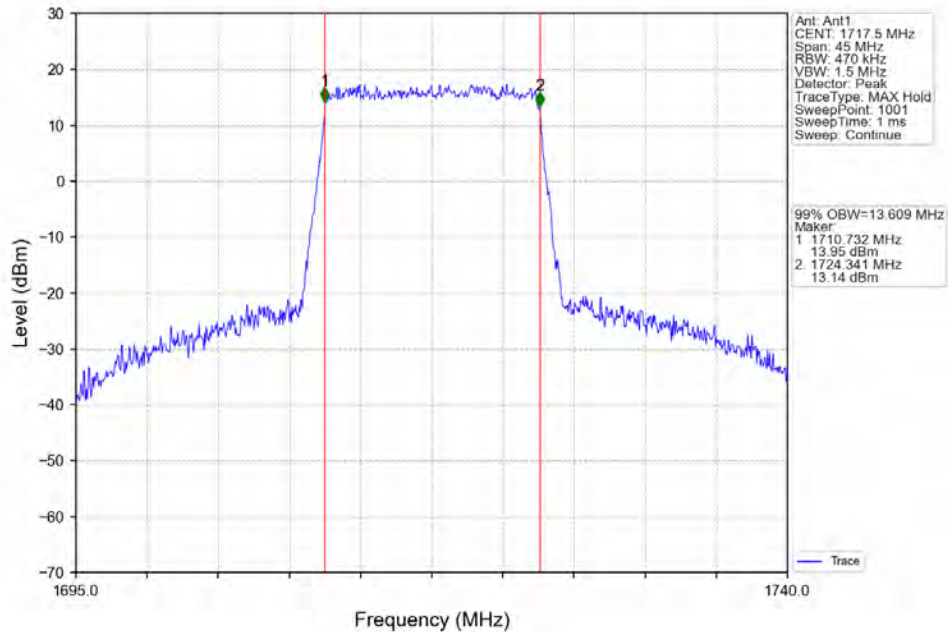
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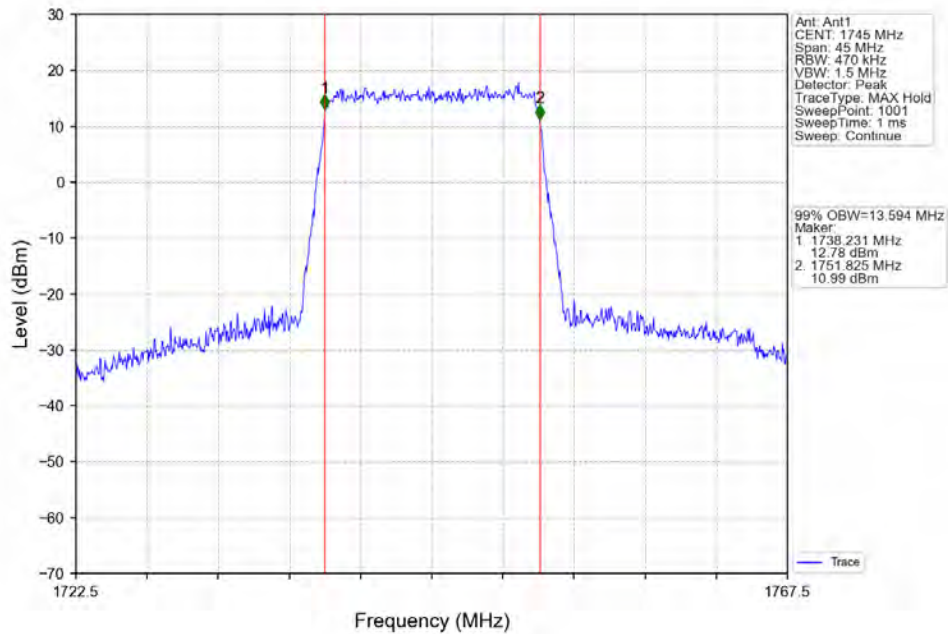
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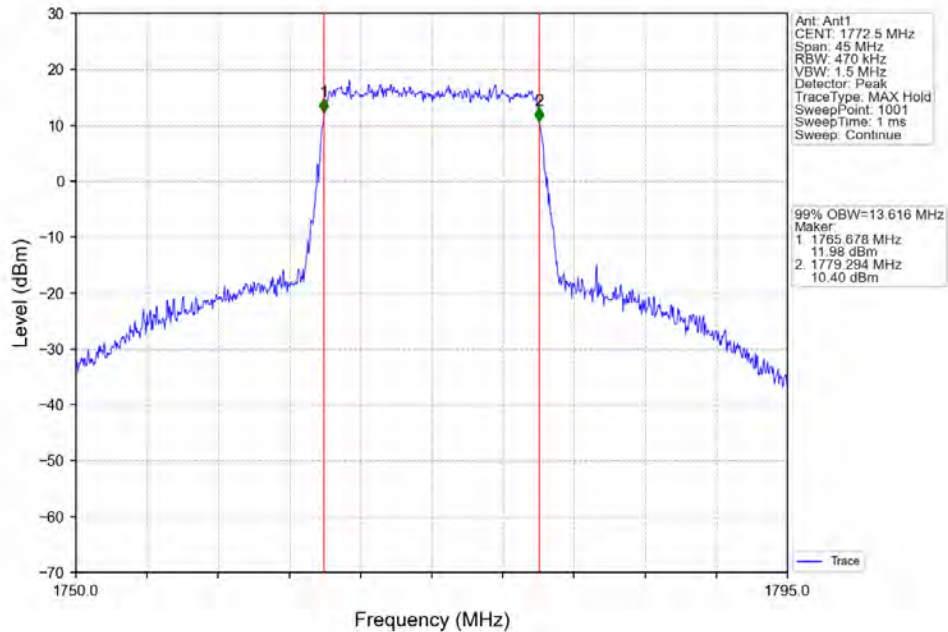
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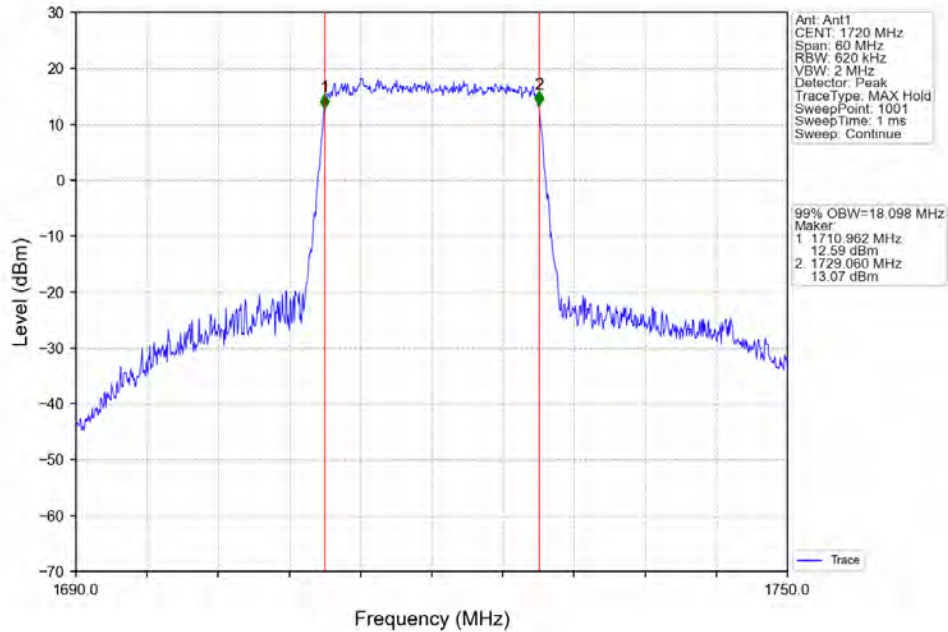
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Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



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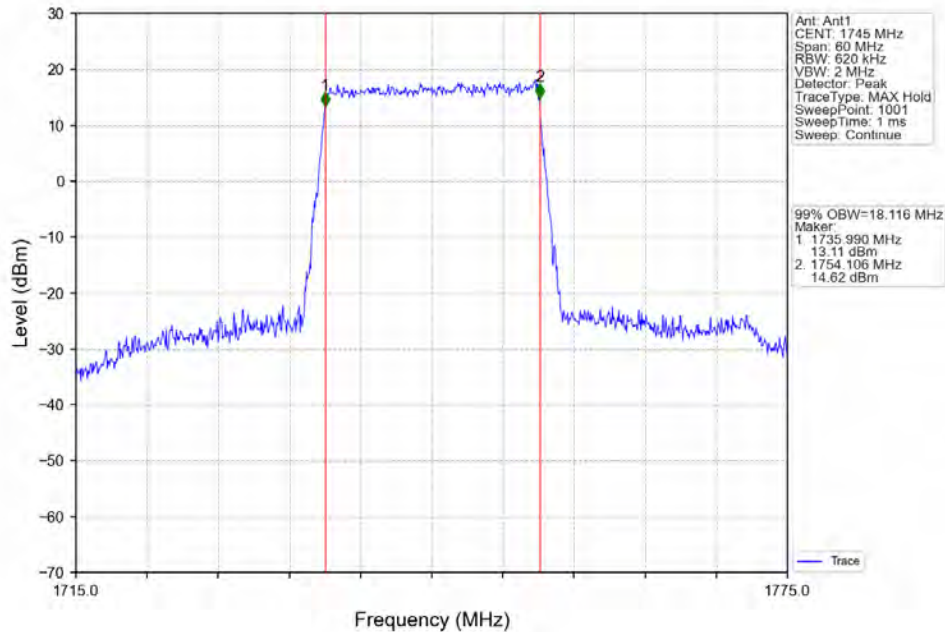
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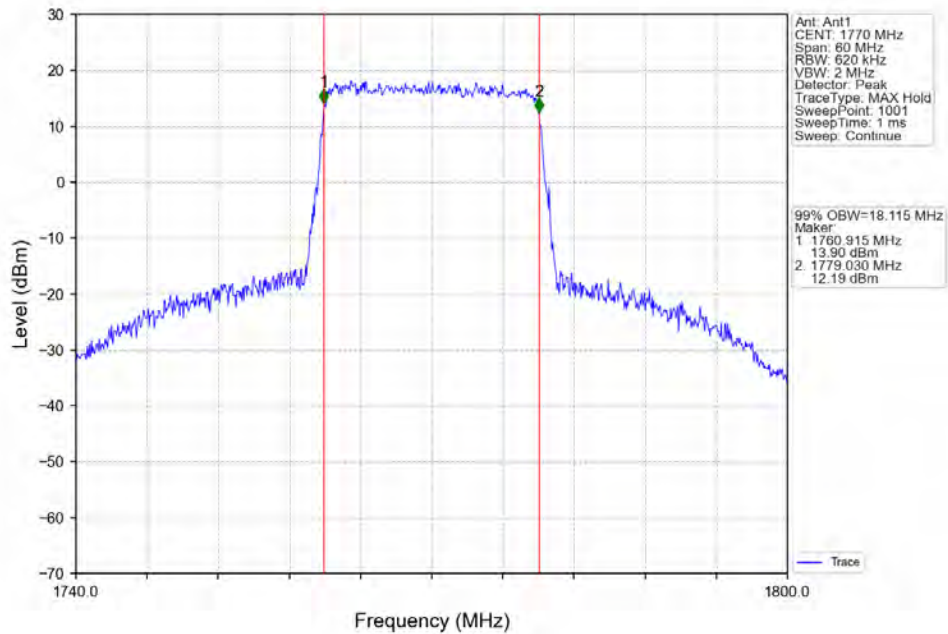
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Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



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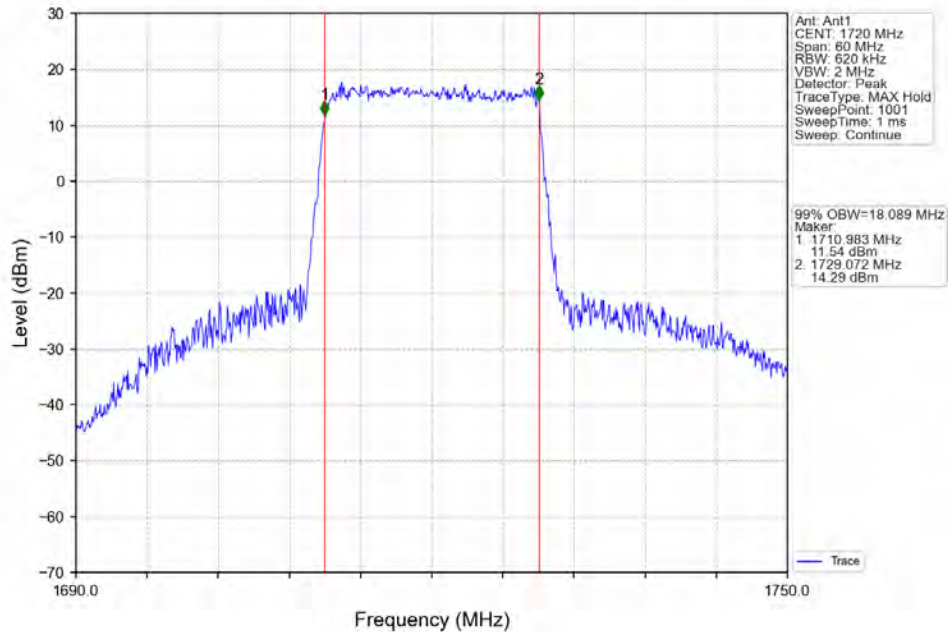
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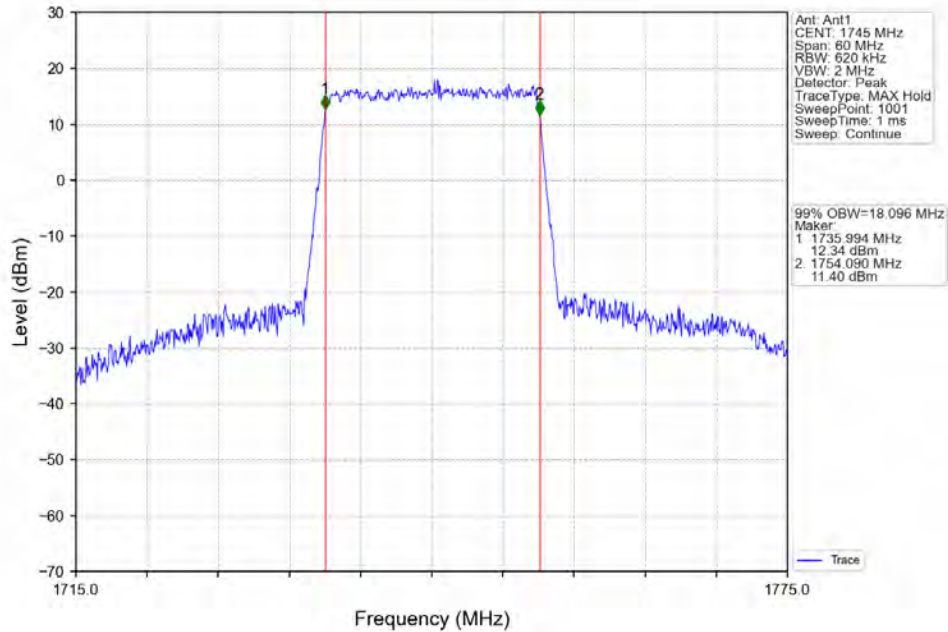
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Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



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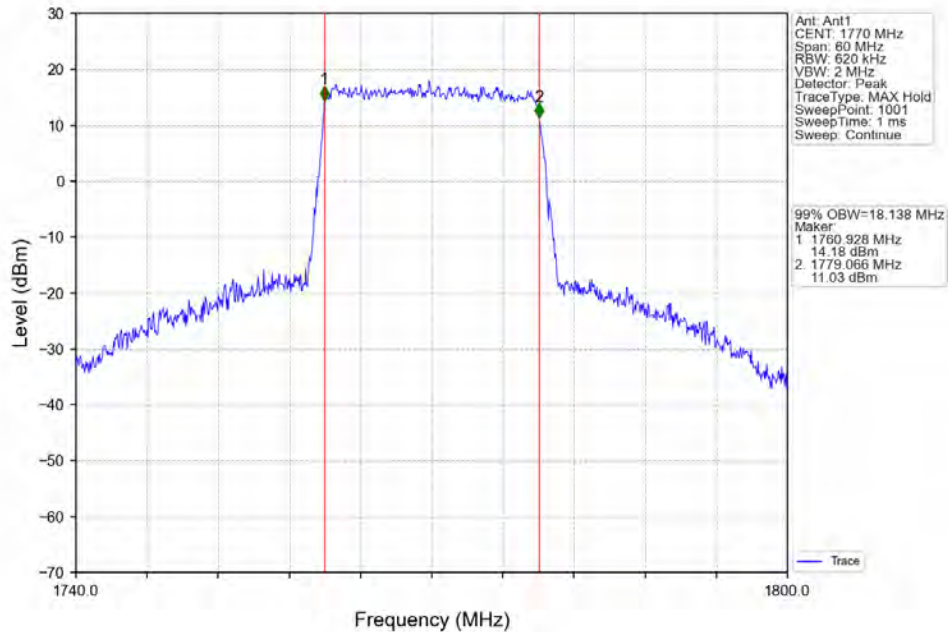
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3.2 Band66_XDB

3.2.1 Test Result

Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.333	/	Pass
		1745	6	0	1.300	/	Pass
		1779.3	6	0	1.316	/	Pass
	16QAM	1710.7	6	0	1.291	/	Pass
		1745	6	0	1.313	/	Pass
		1779.3	6	0	1.311	/	Pass
3	QPSK	1711.5	15	0	2.994	/	Pass
		1745	15	0	2.984	/	Pass
		1778.5	15	0	2.993	/	Pass
	16QAM	1711.5	15	0	3.013	/	Pass
		1745	15	0	2.983	/	Pass
		1778.5	15	0	3.014	/	Pass
5	QPSK	1712.5	25	0	5.212	/	Pass
		1745	25	0	5.240	/	Pass
		1777.5	25	0	5.263	/	Pass
	16QAM	1712.5	25	0	5.289	/	Pass
		1745	25	0	5.250	/	Pass
		1777.5	25	0	5.324	/	Pass
10	QPSK	1715	50	0	10.219	/	Pass
		1745	50	0	10.337	/	Pass
		1775	50	0	10.330	/	Pass
	16QAM	1715	50	0	10.207	/	Pass
		1745	50	0	10.201	/	Pass
		1775	50	0	10.194	/	Pass
15	QPSK	1717.5	75	0	15.388	/	Pass
		1745	75	0	15.297	/	Pass
		1772.5	75	0	15.378	/	Pass
	16QAM	1717.5	75	0	15.266	/	Pass
		1745	75	0	15.314	/	Pass
		1772.5	75	0	15.300	/	Pass
20	QPSK	1720	100	0	19.947	/	Pass
		1745	100	0	20.196	/	Pass
		1770	100	0	20.152	/	Pass
	16QAM	1720	100	0	20.041	/	Pass
		1745	100	0	20.048	/	Pass
		1770	100	0	20.123	/	Pass



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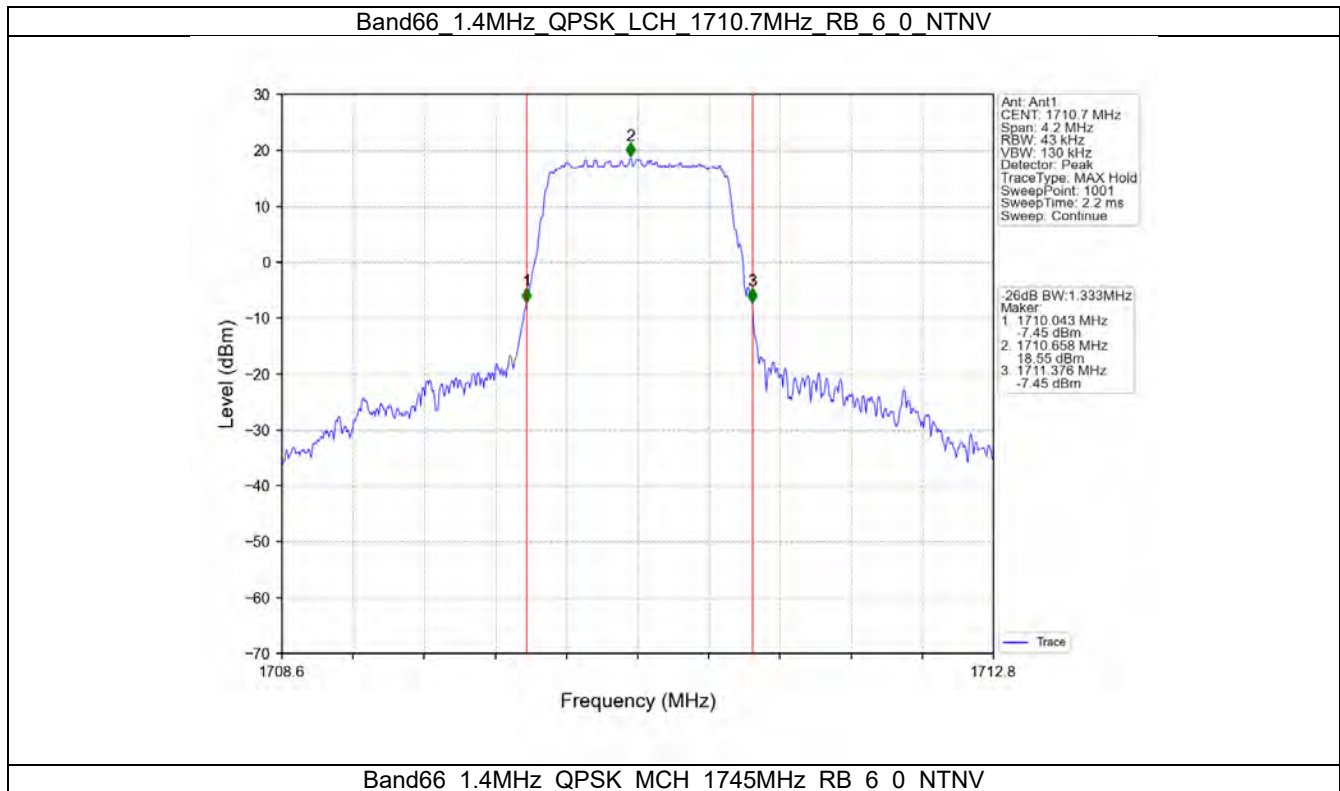
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3.2.2 Test Graph



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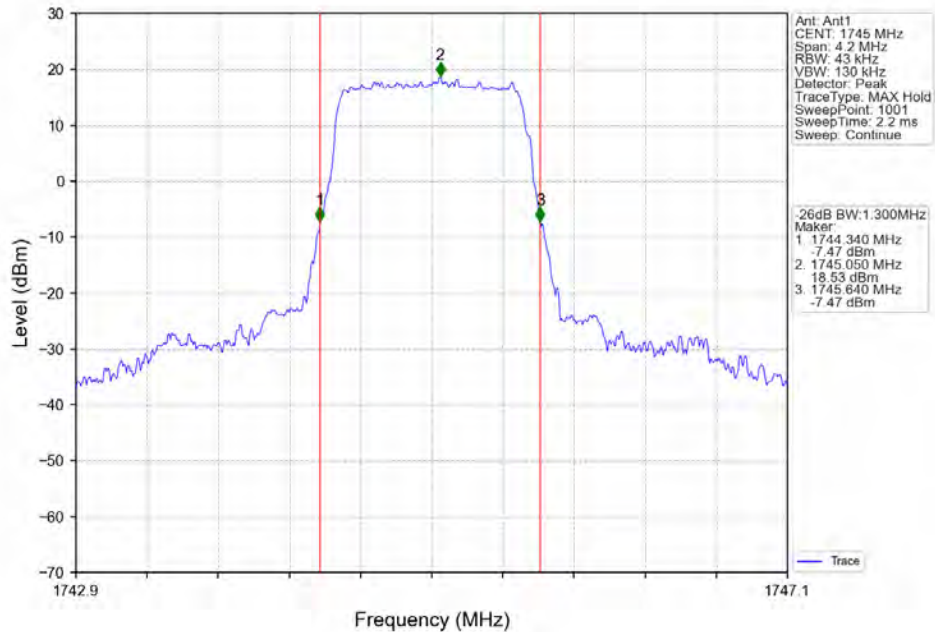
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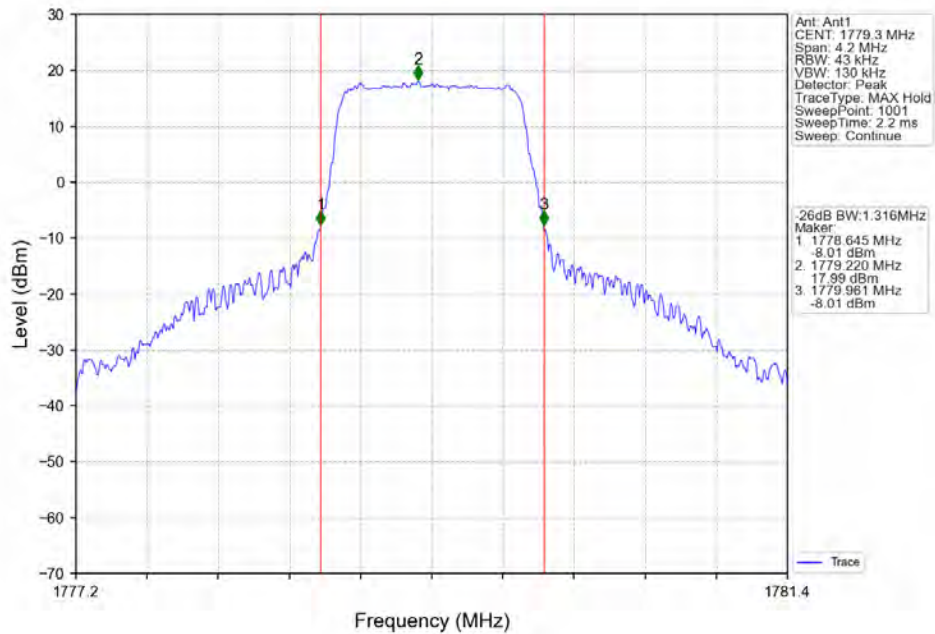
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Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTN



Band66 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTN



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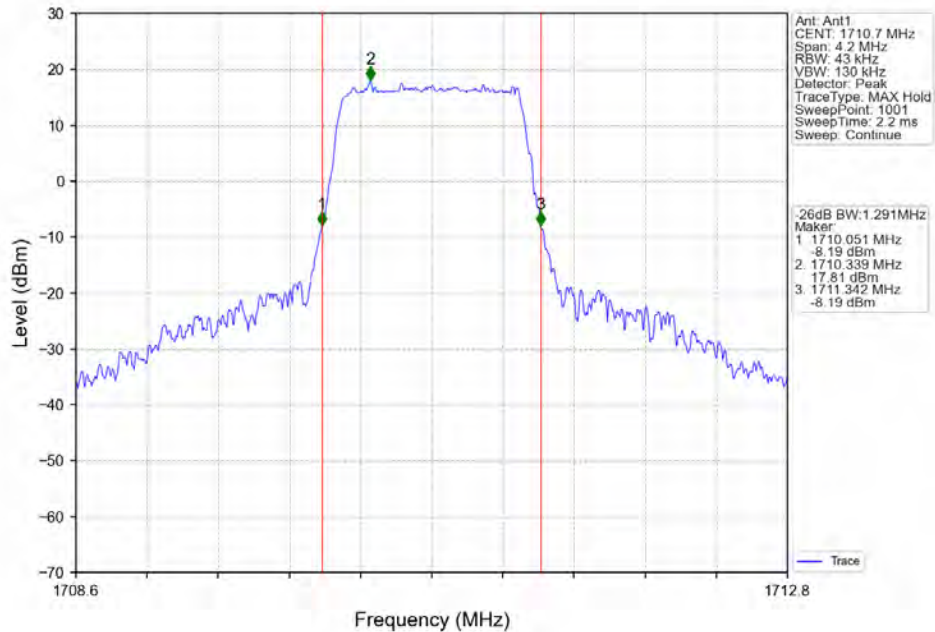
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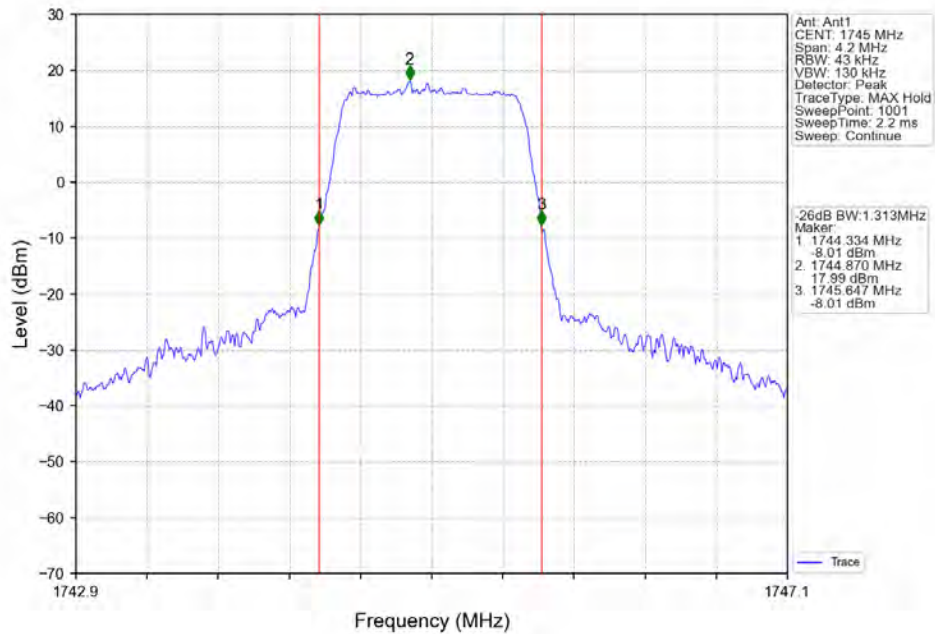
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Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



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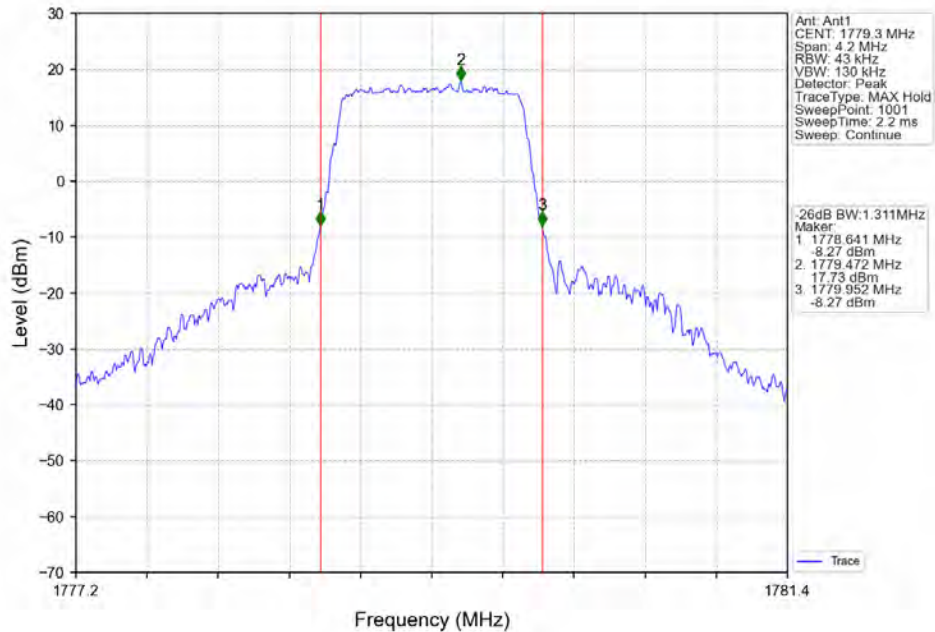
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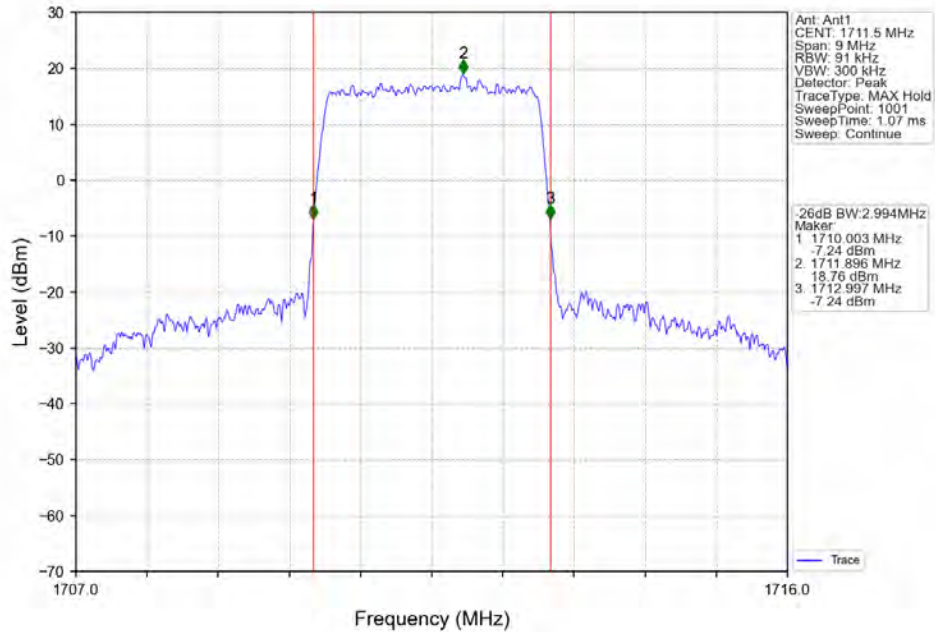
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Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



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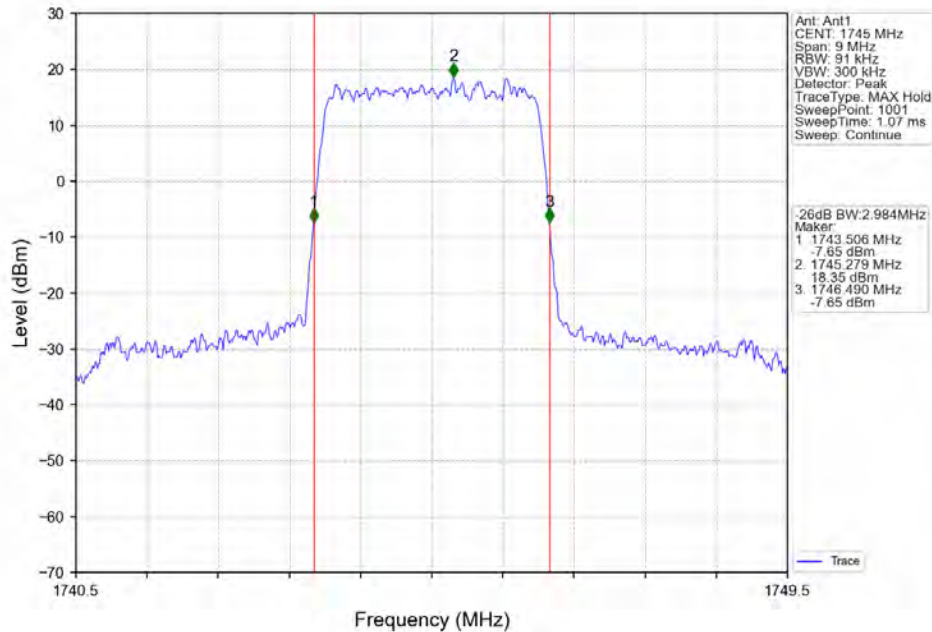
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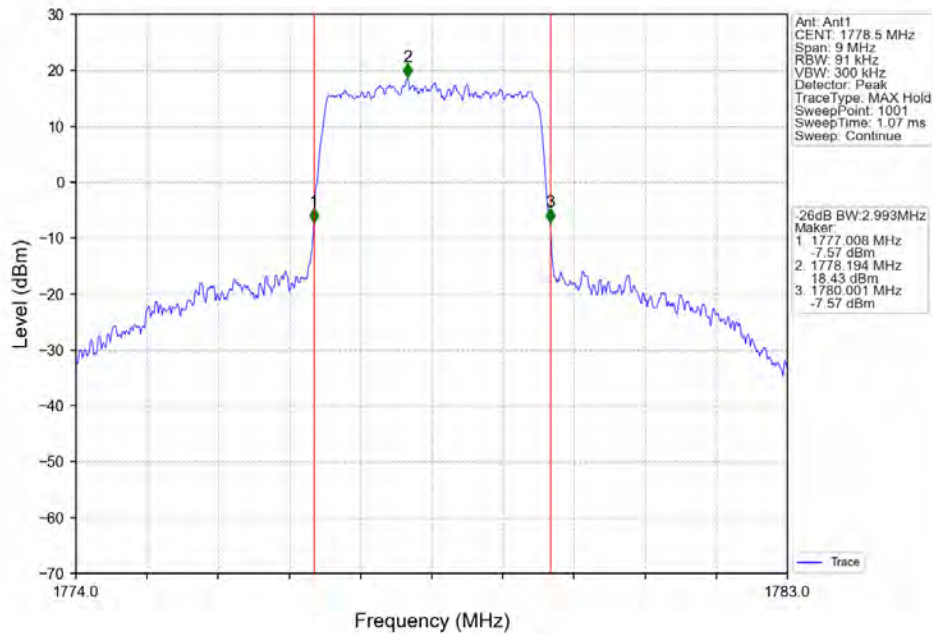
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Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



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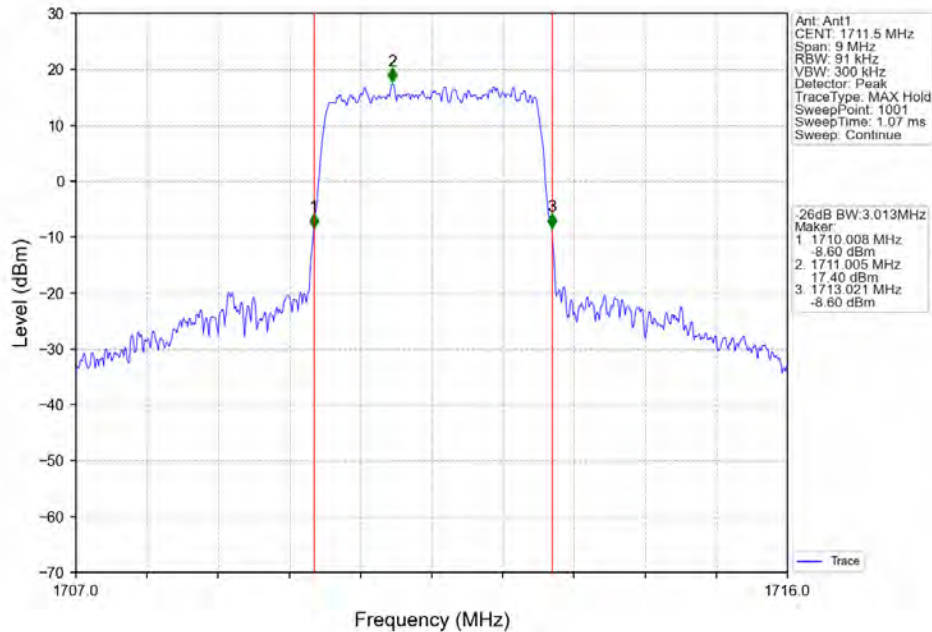
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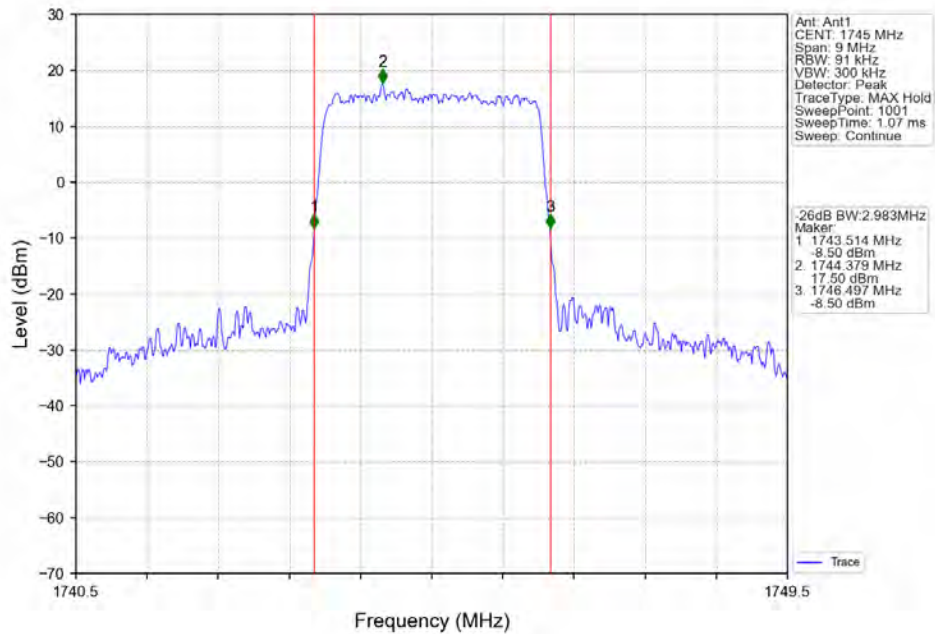
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Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



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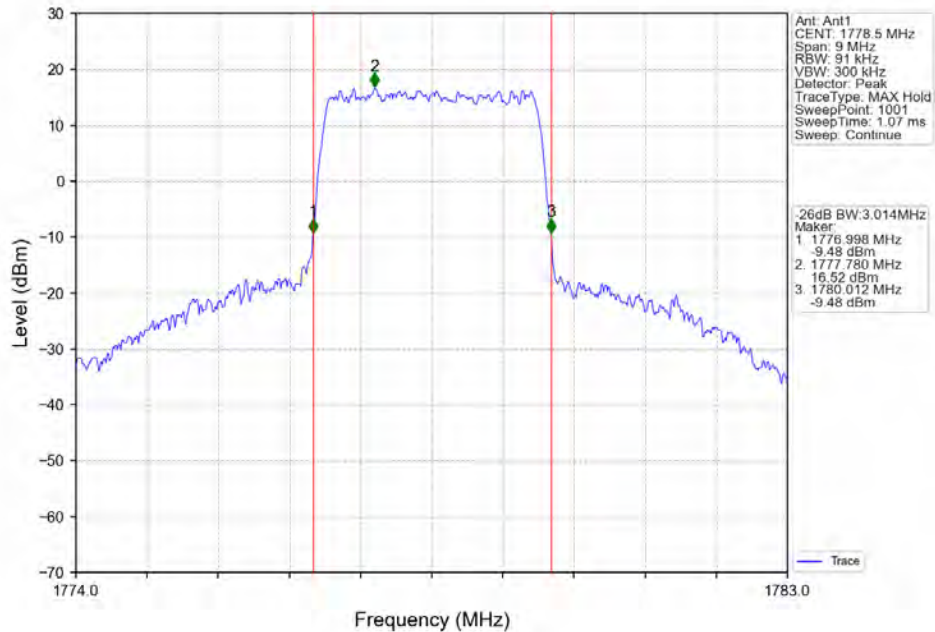
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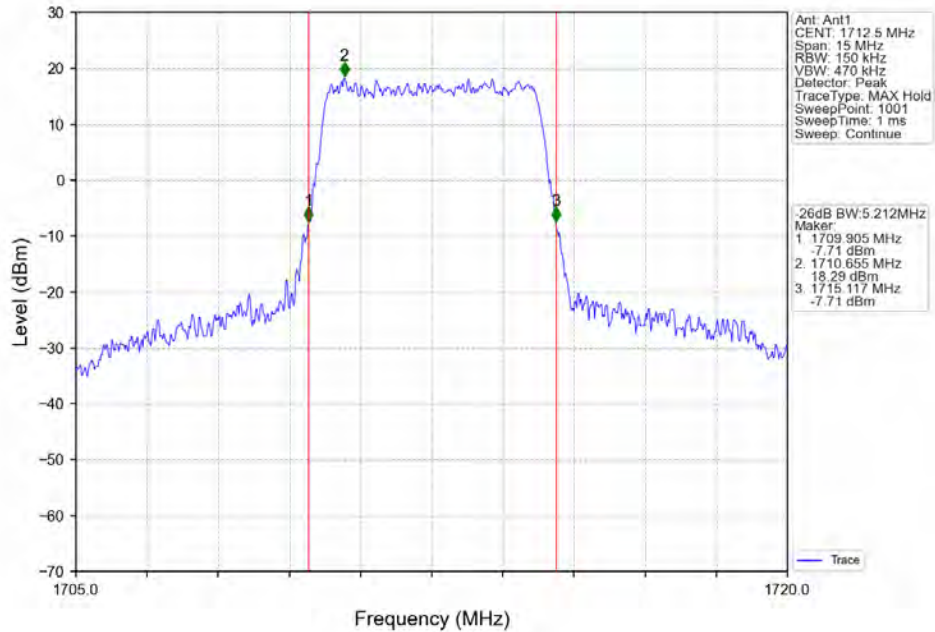
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Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



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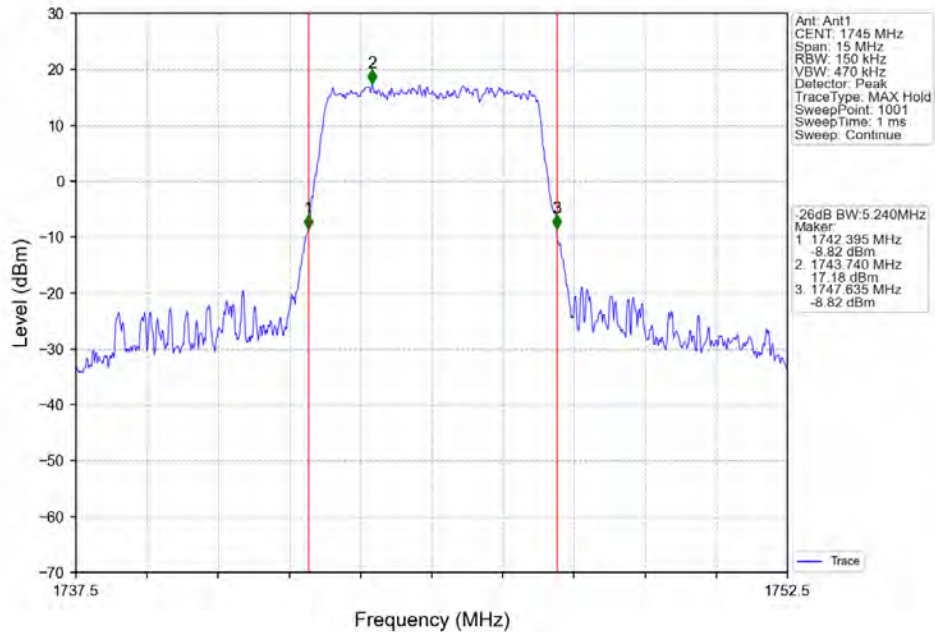
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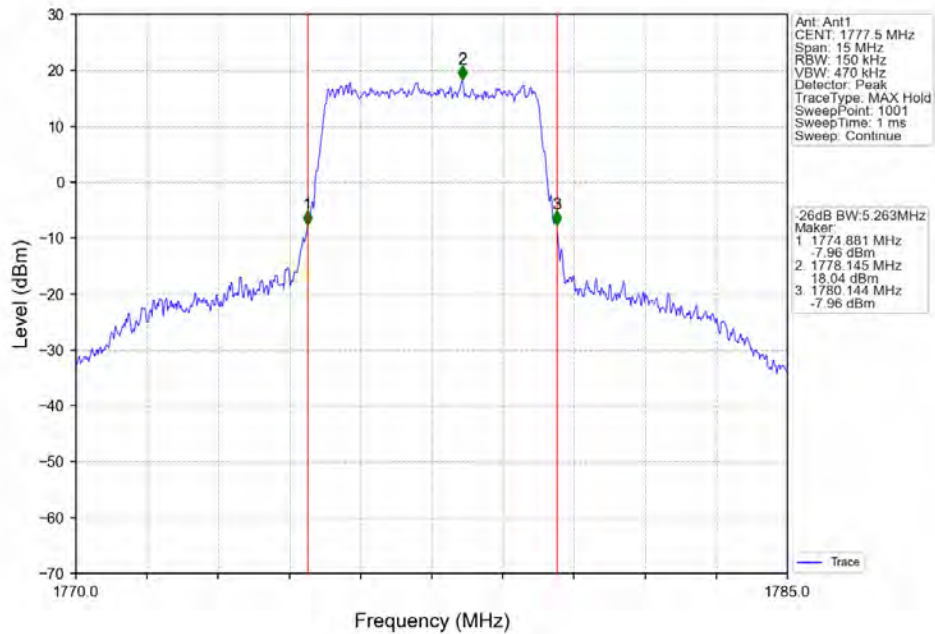
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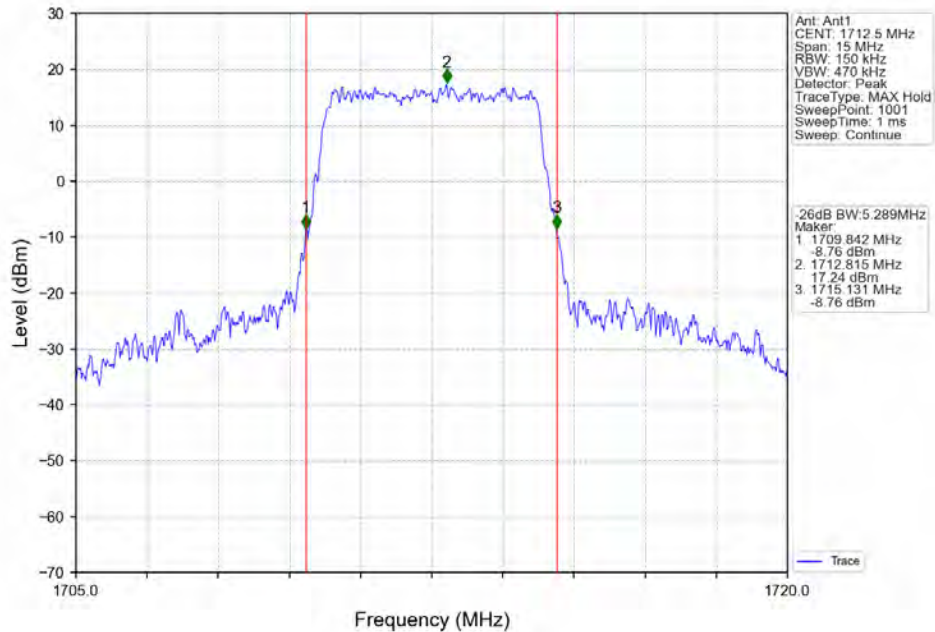
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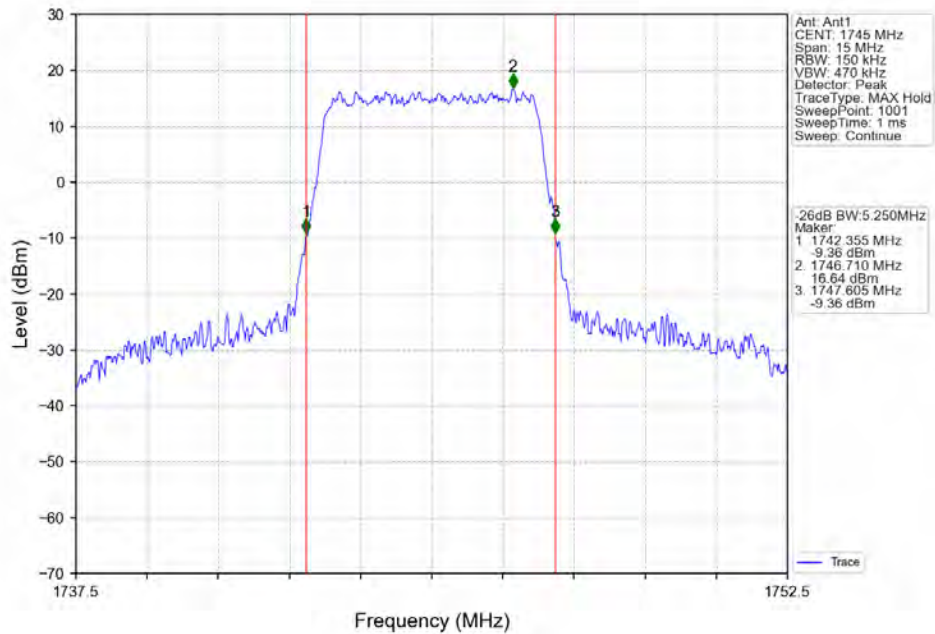
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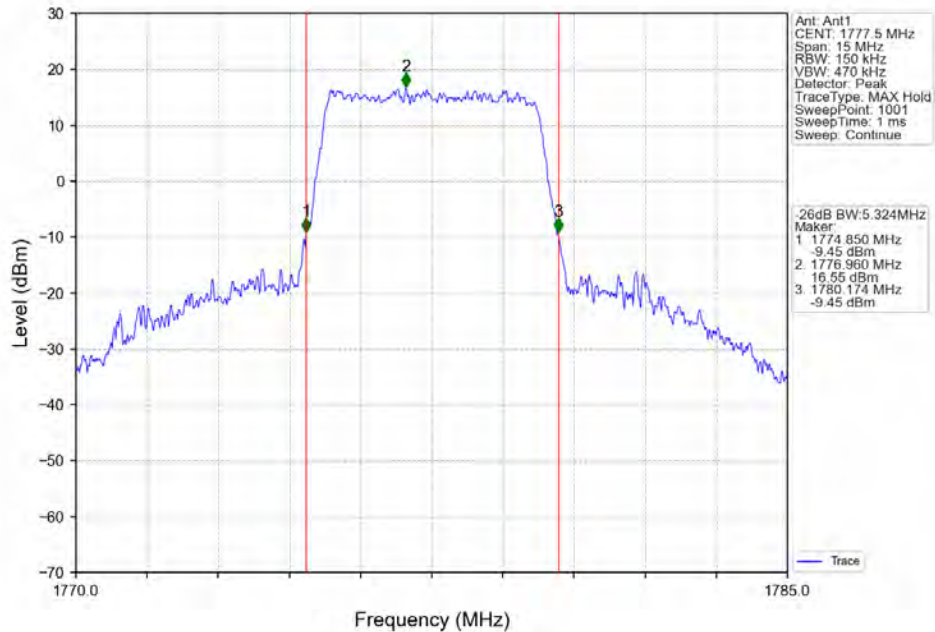
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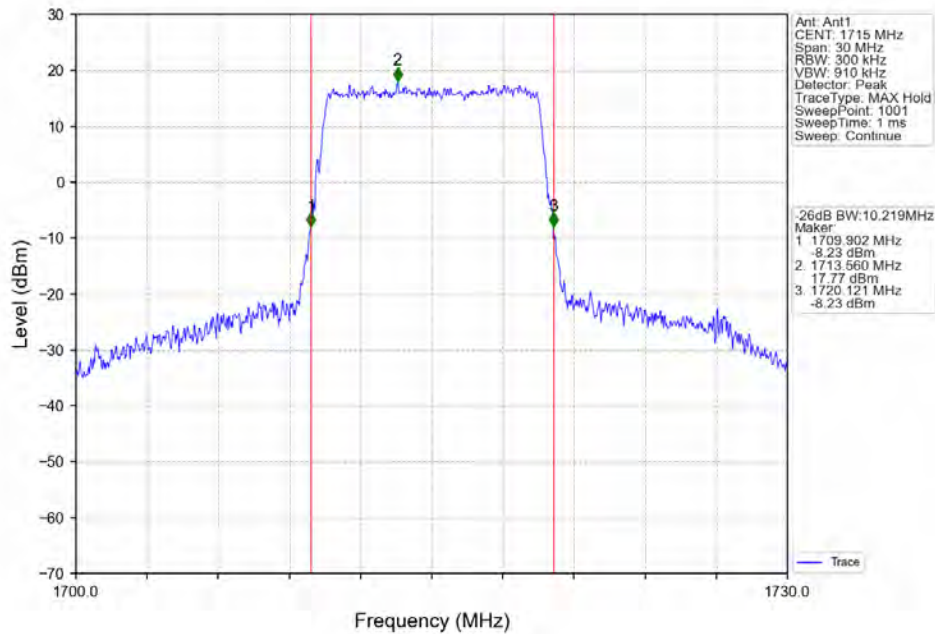
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Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



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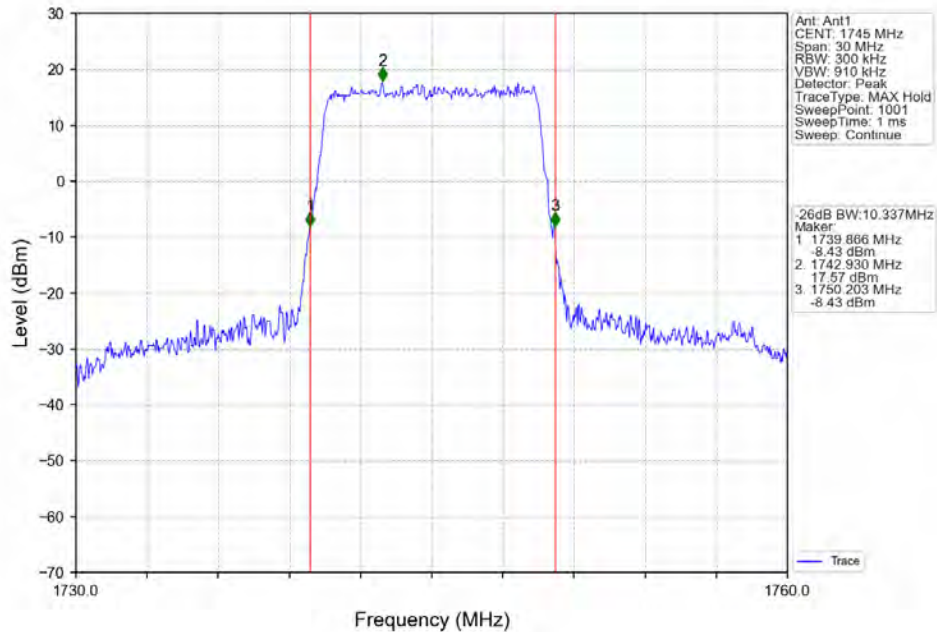
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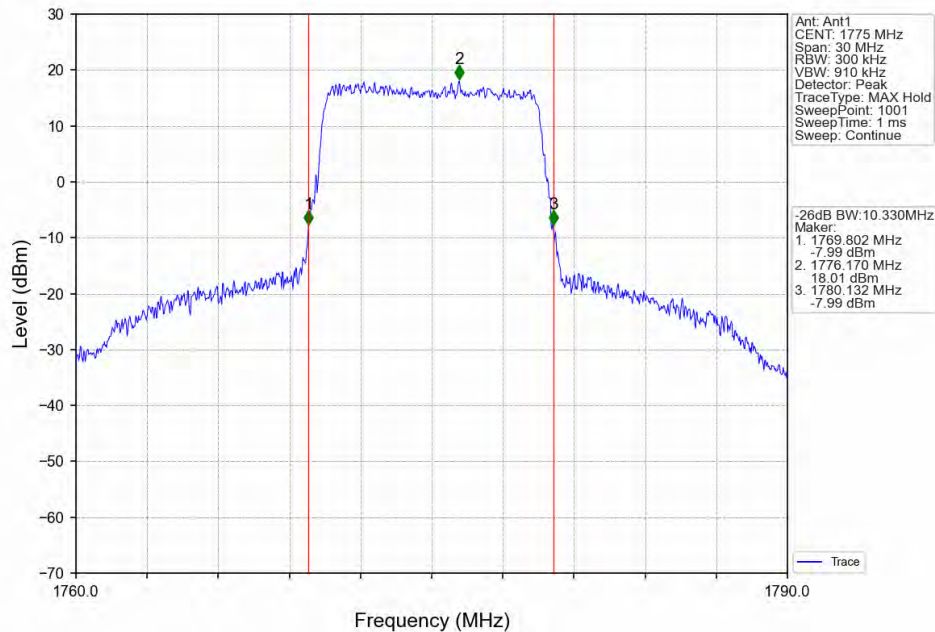
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Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



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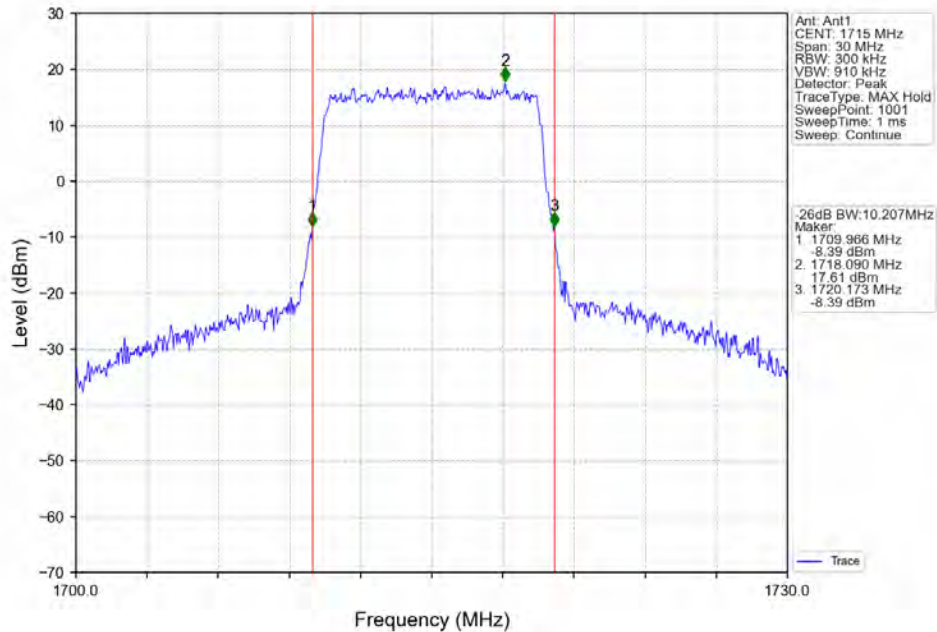
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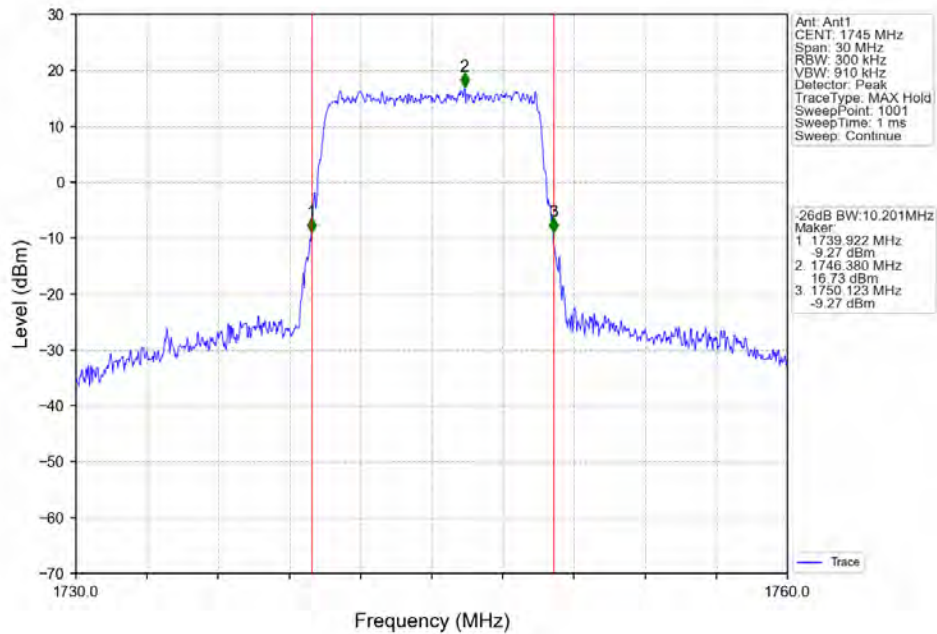
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Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



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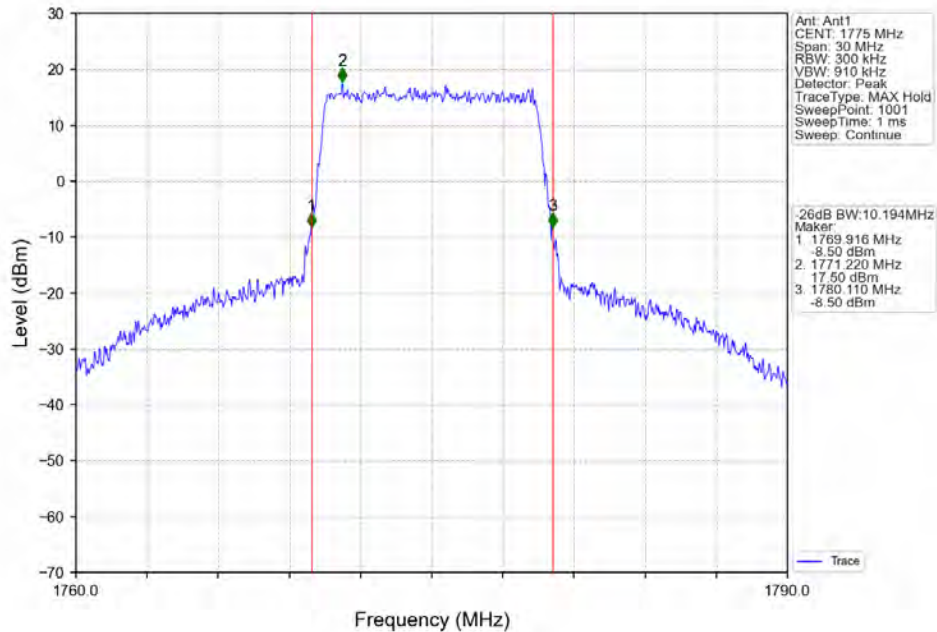
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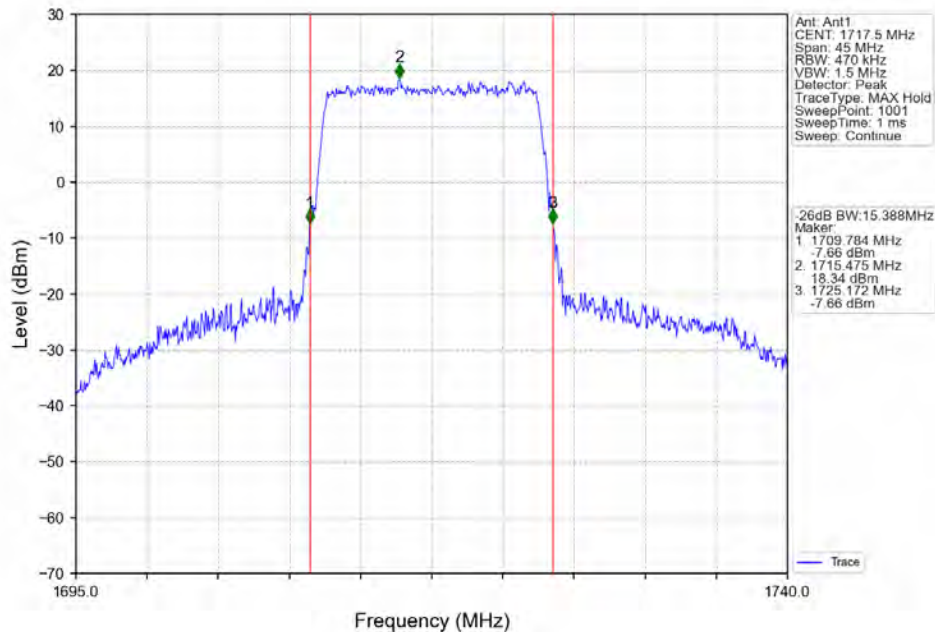
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Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



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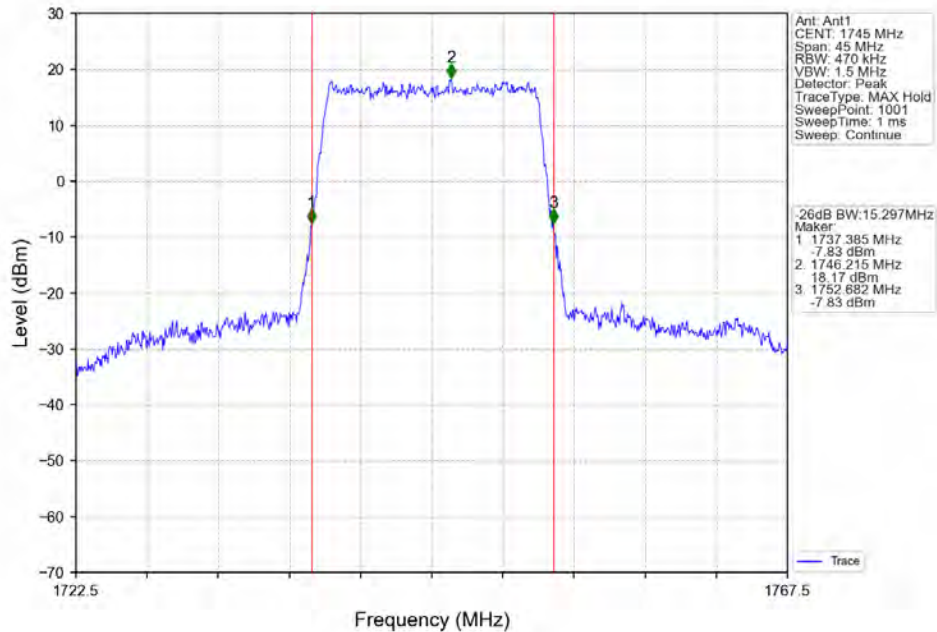
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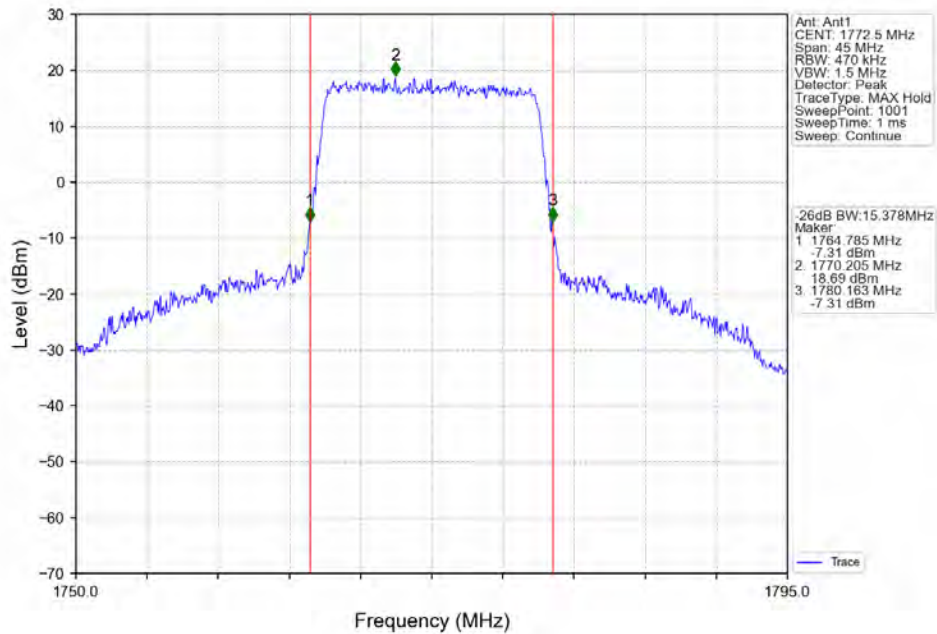
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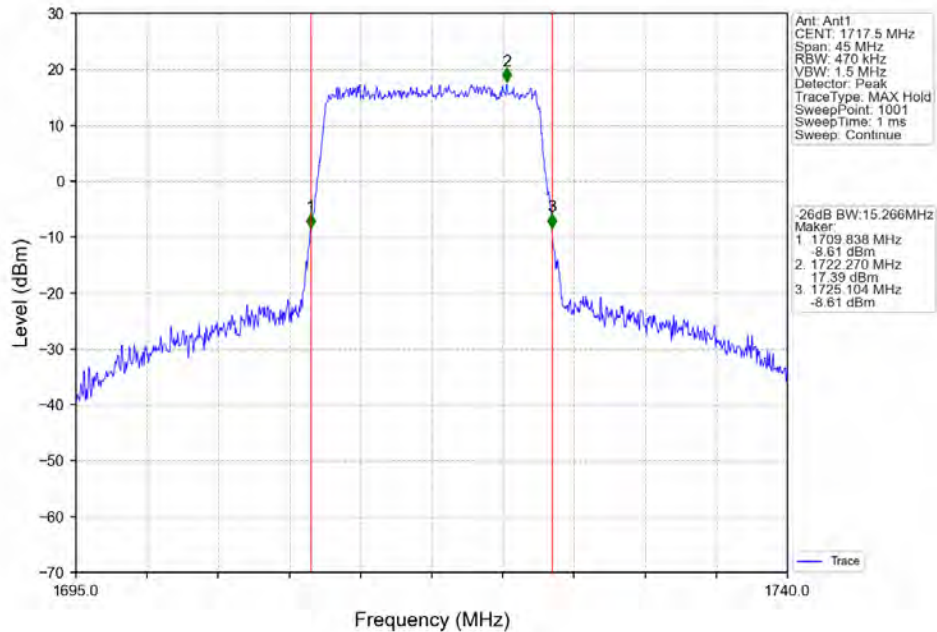
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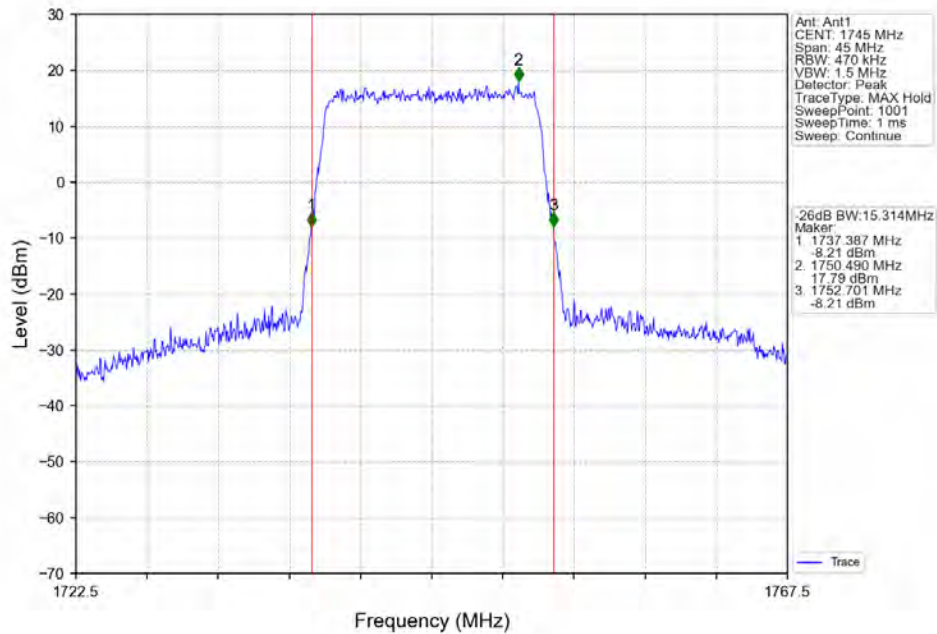
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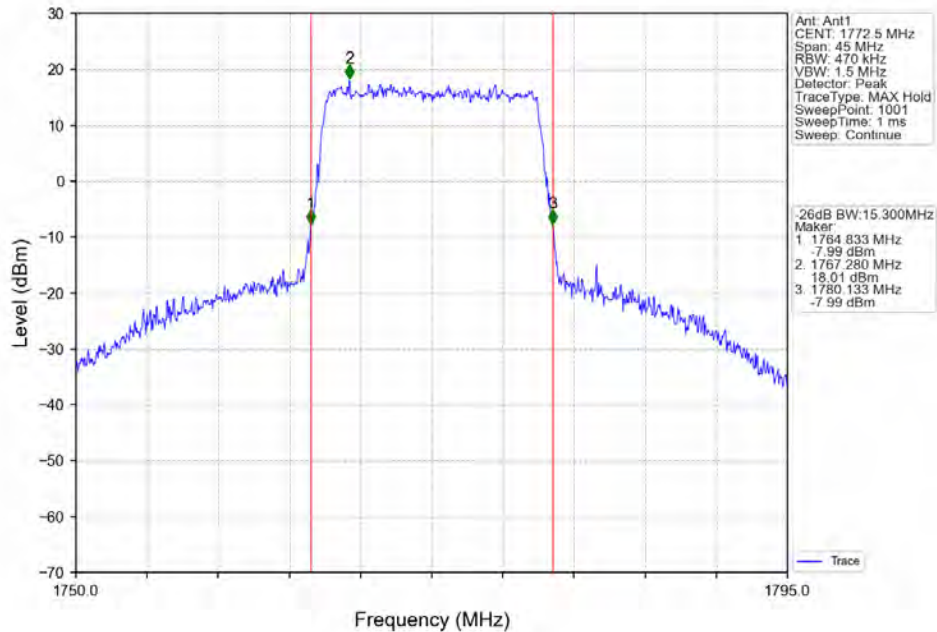
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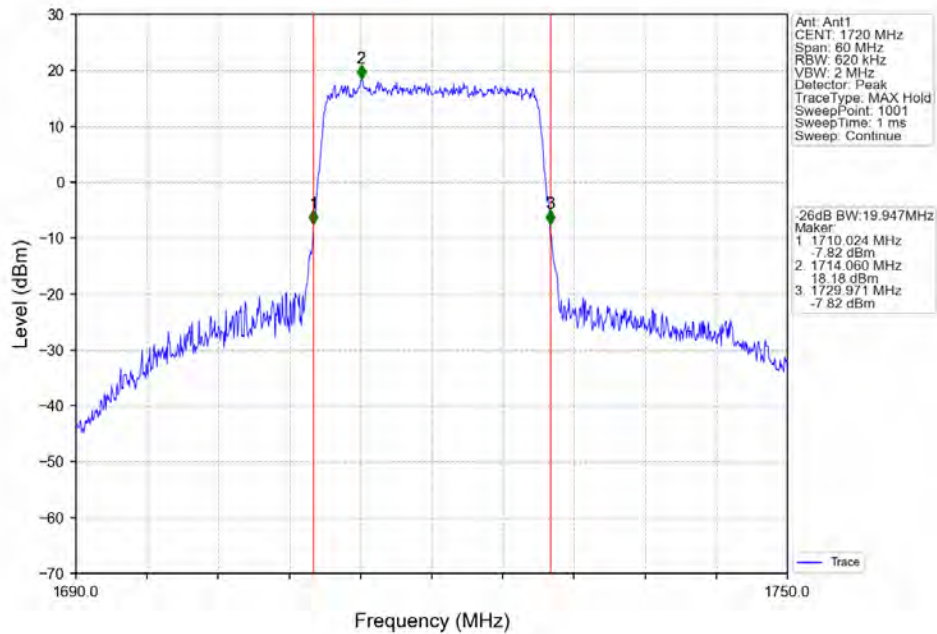
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Band66 20MHz QPSK LCH 1720MHz RB 100 0 NTN



Band66 20MHz QPSK MCH 1745MHz RB 100 0 NTN



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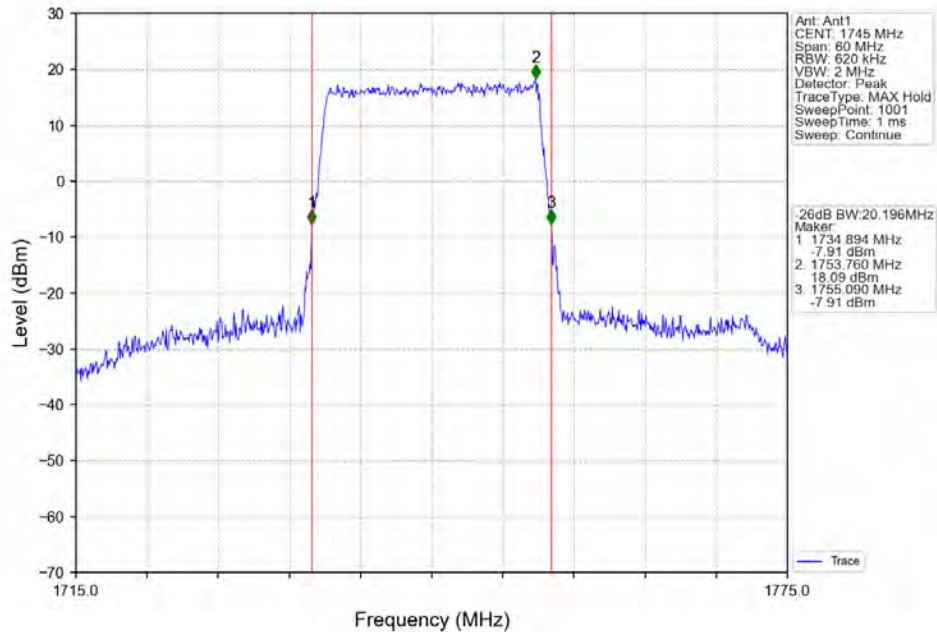
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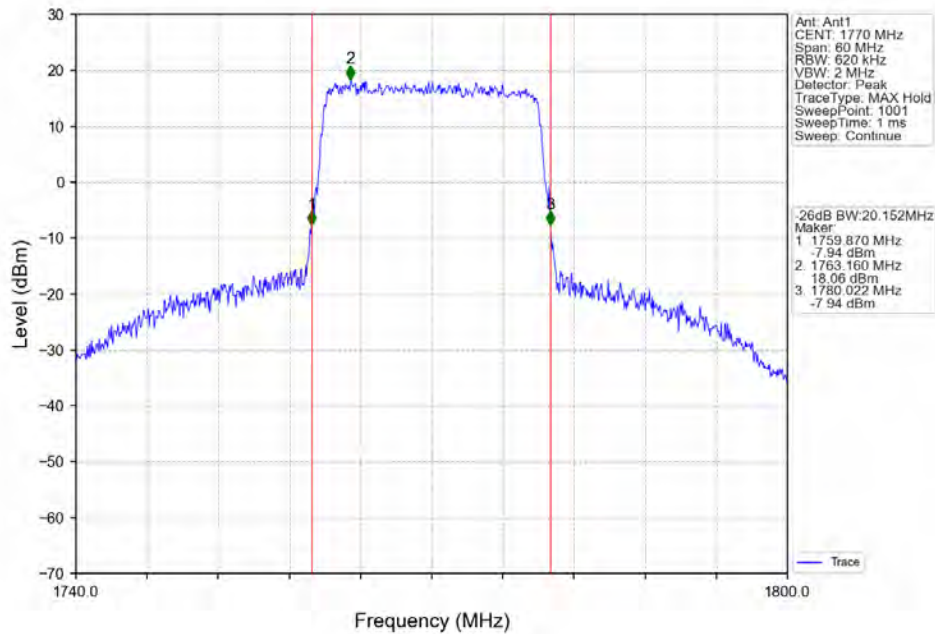
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Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



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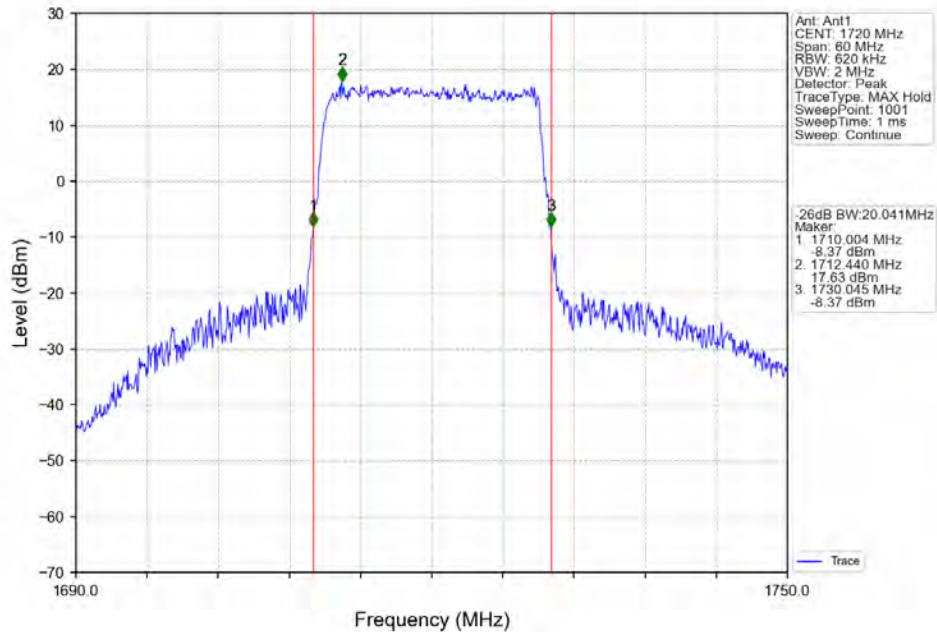
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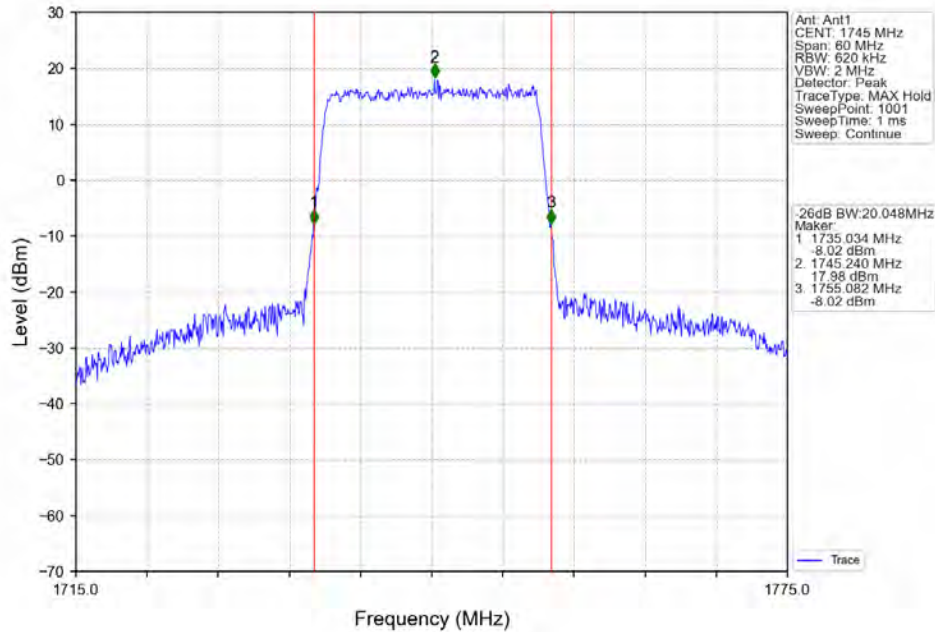
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Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



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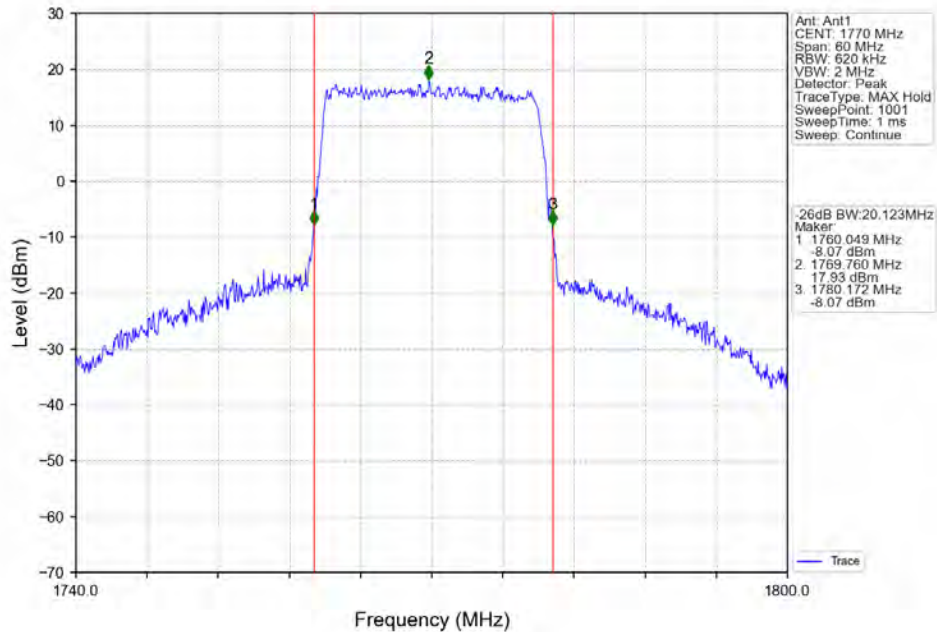
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4. Peak-Average Ratio

4.1 B66_1.4MHz

4.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.17	<=13	Pass
	1745	6	0	5.48	<=13	Pass
	1779.3	6	0	4.68	<=13	Pass
16QAM	1710.7	6	0	6.02	<=13	Pass
	1745	6	0	6.26	<=13	Pass
	1779.3	6	0	5.50	<=13	Pass



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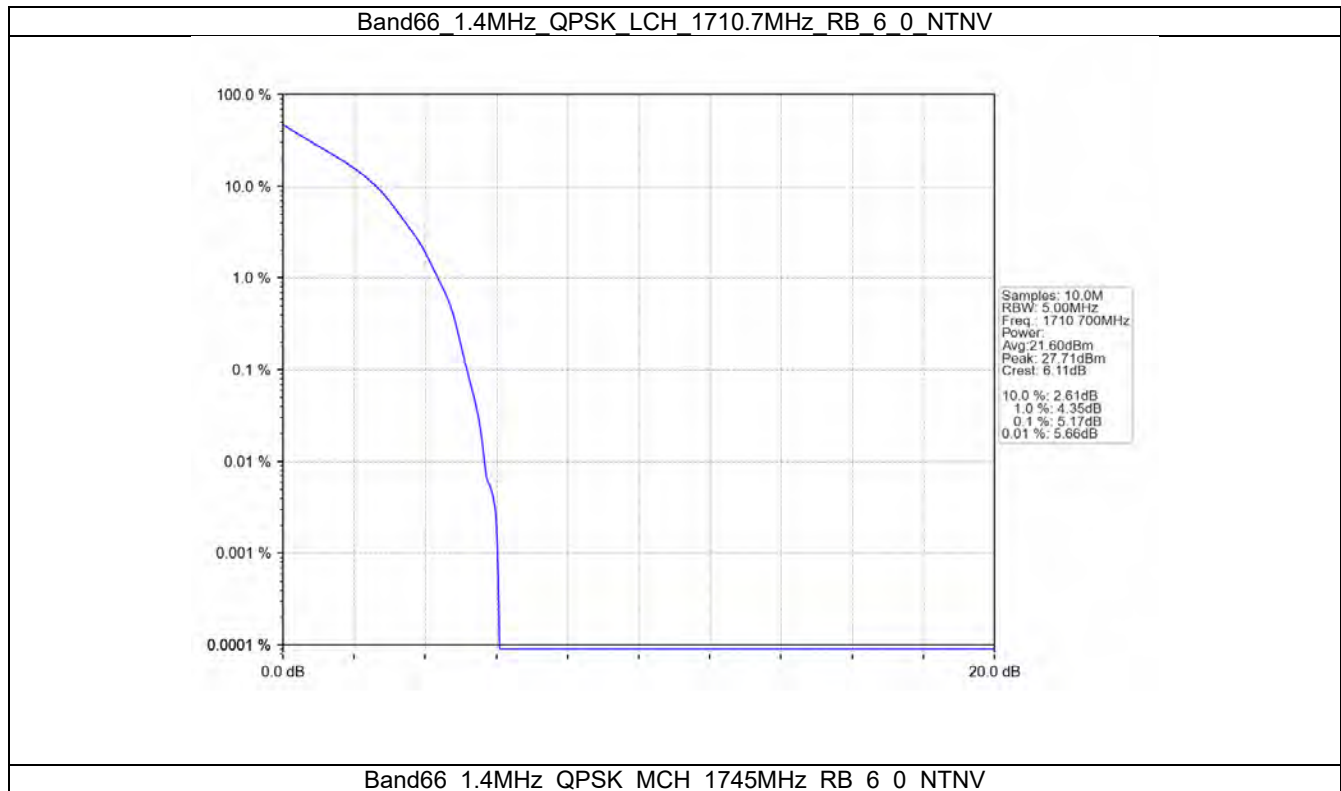
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4.1.2 Test Graph



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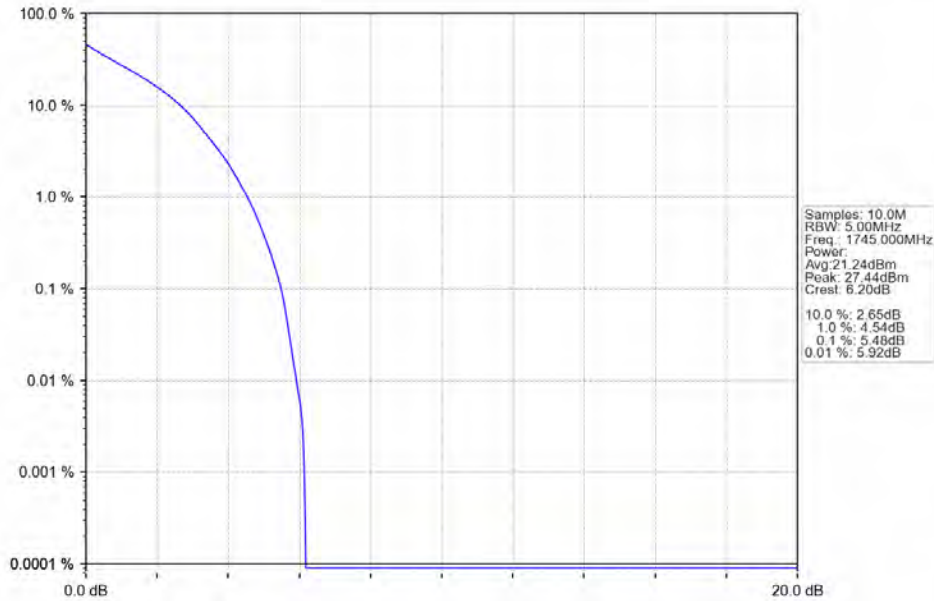
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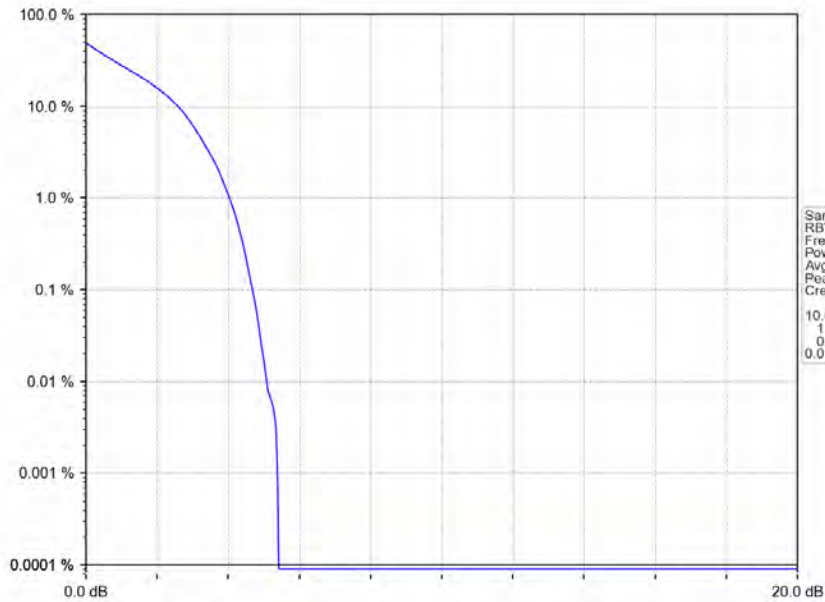
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Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTN



Band66 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTN



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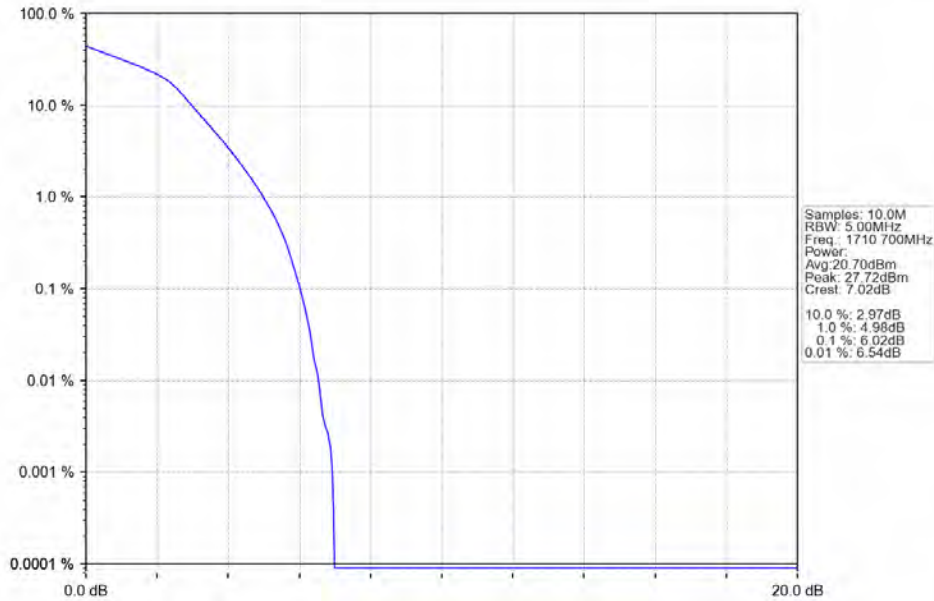
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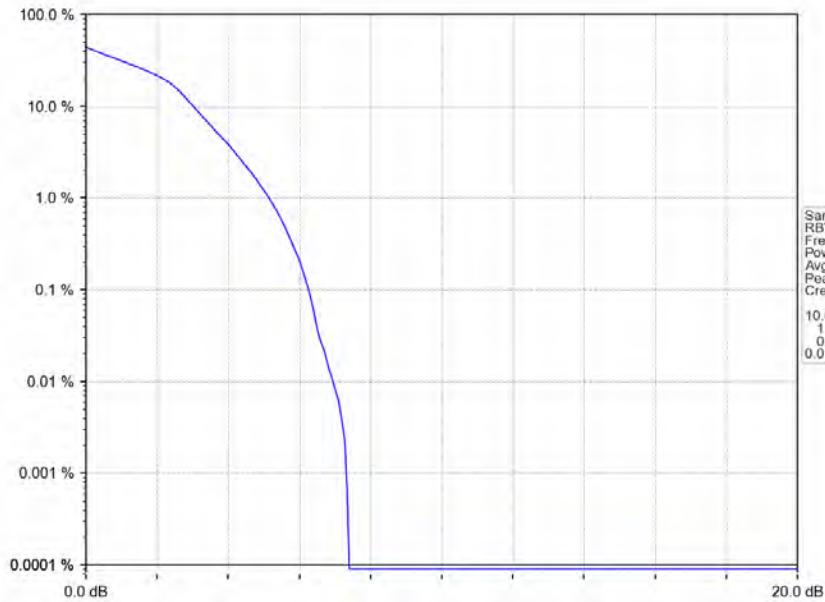
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Band66 1.4MHz 16QAM HCH 1779.3MHz RB 6 0 NTNV



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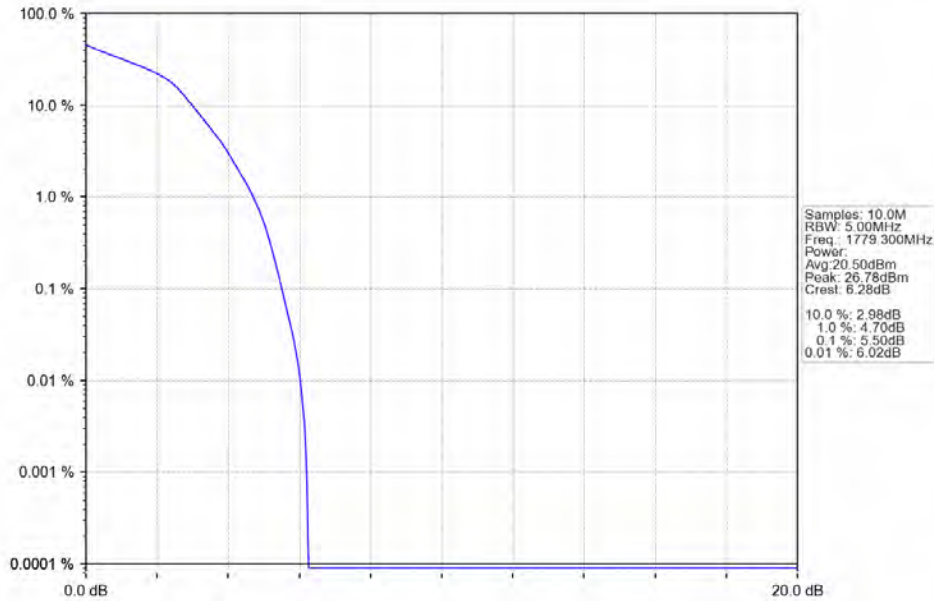
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4.2 B66_3MHz

4.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.20	<=13	Pass
	1745	15	0	5.45	<=13	Pass
	1778.5	15	0	4.67	<=13	Pass
16QAM	1711.5	15	0	6.05	<=13	Pass
	1745	15	0	6.26	<=13	Pass
	1778.5	15	0	5.52	<=13	Pass



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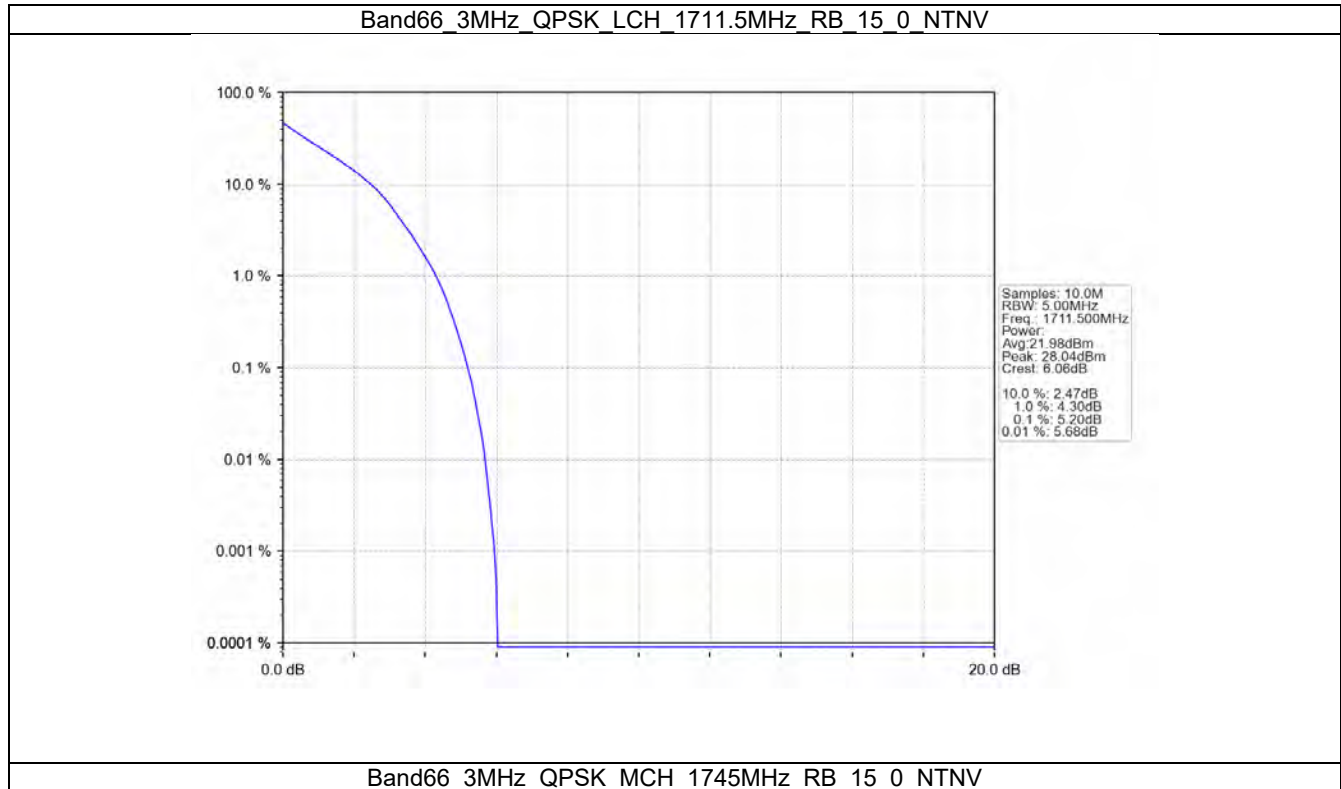
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4.2.2 Test Graph



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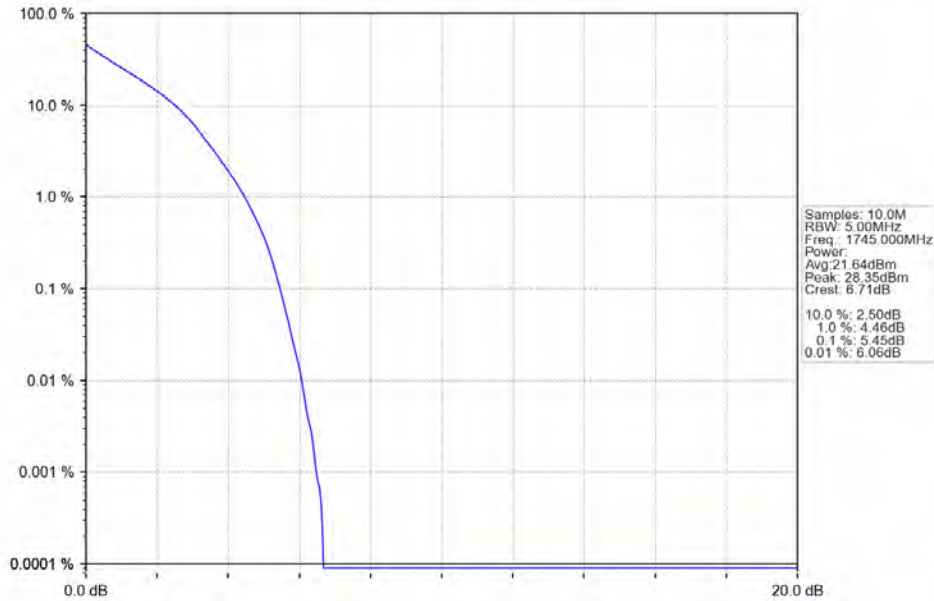
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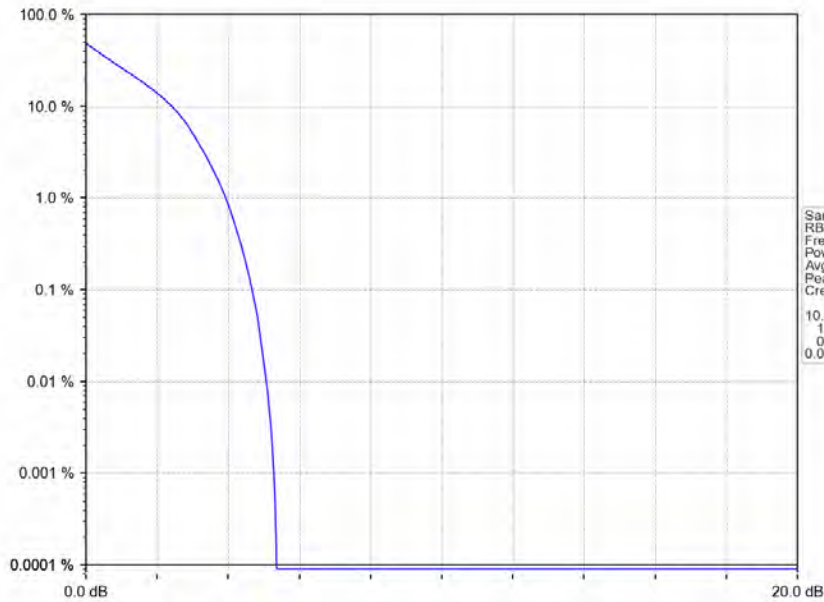
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Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



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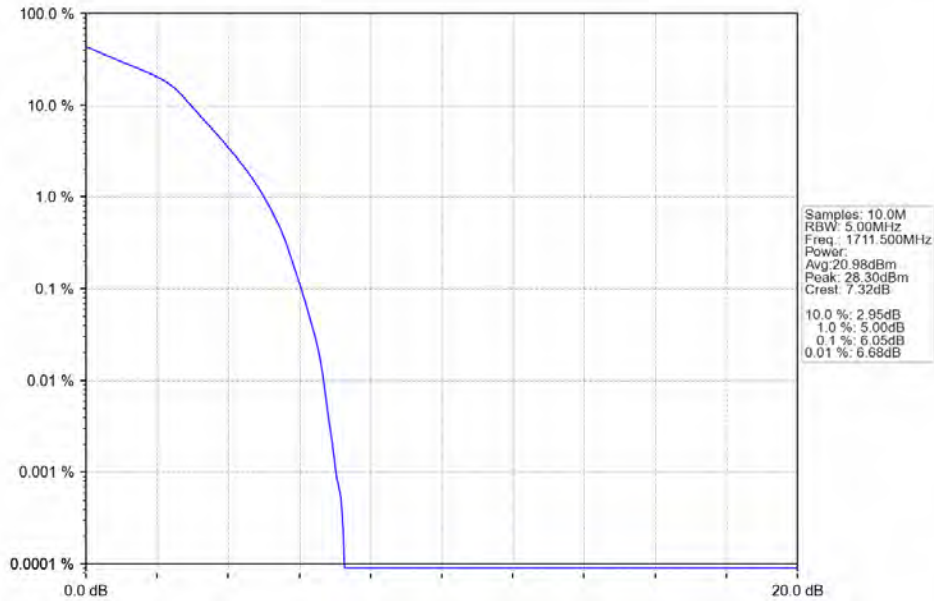
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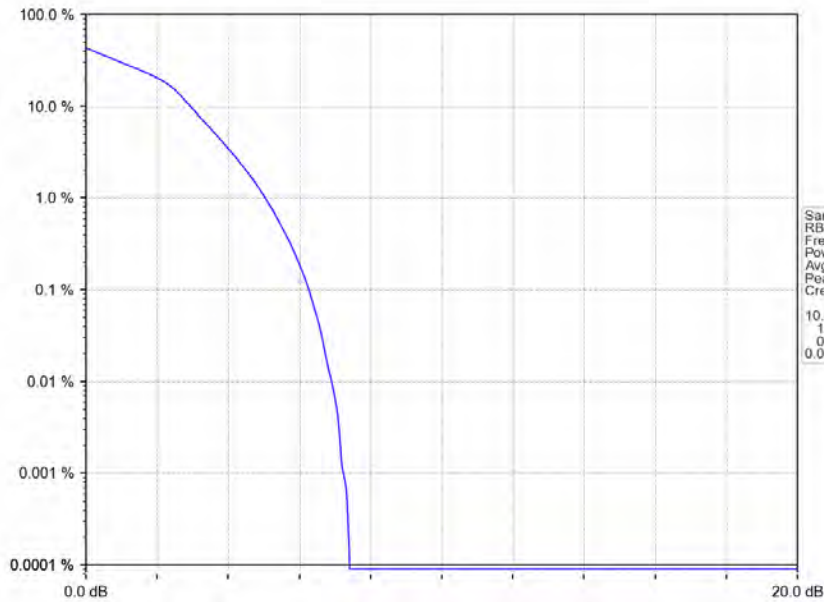
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Samples: 10.0M
RBW: 5.00MHz
Freq: 1745.000MHz
Power:
Avg: 20.68dBm
Peak: 28.13dBm
Crest: 7.45dB
10.0 %: 2.94dB
1.0 %: 5.04dB
0.1 %: 6.26dB
0.01 %: 6.90dB

Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



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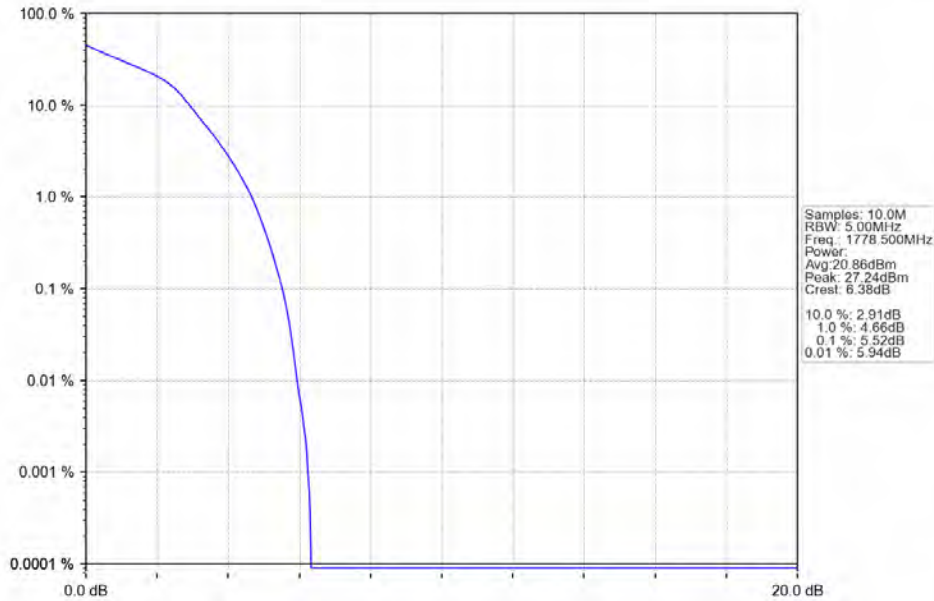
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4.3 B66_5MHz

4.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.45	<=13	Pass
	1745	25	0	5.60	<=13	Pass
	1777.5	25	0	4.96	<=13	Pass
16QAM	1712.5	25	0	6.14	<=13	Pass
	1745	25	0	6.29	<=13	Pass
	1777.5	25	0	5.70	<=13	Pass



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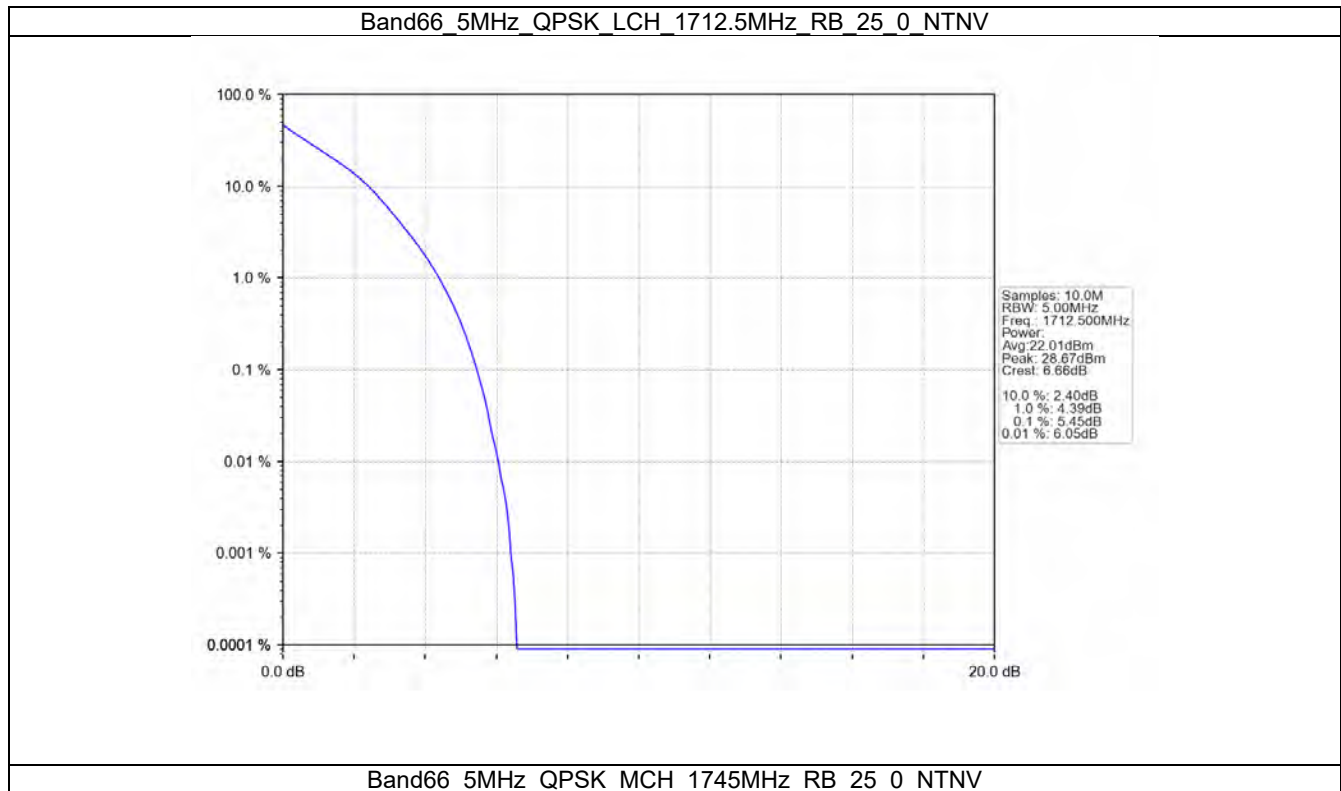
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4.3.2 Test Graph



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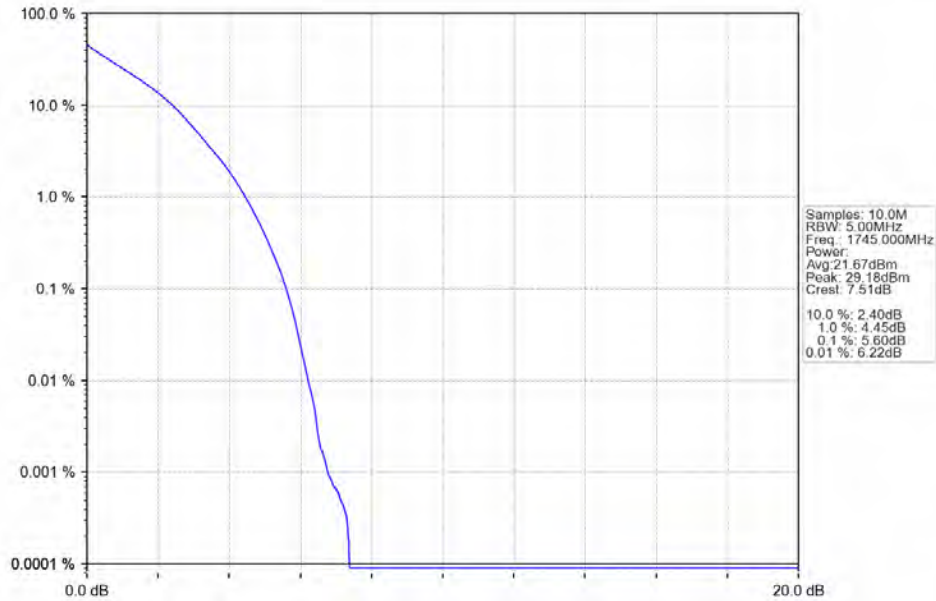
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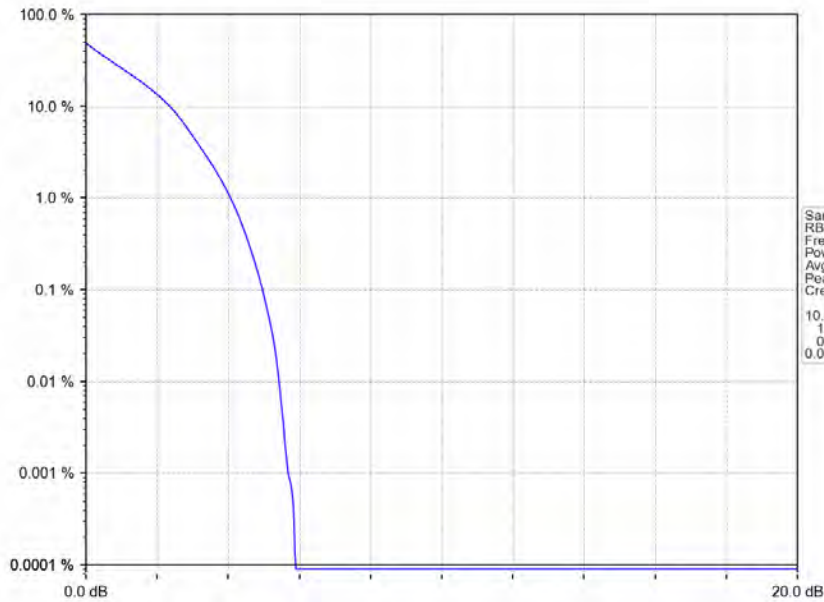
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Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



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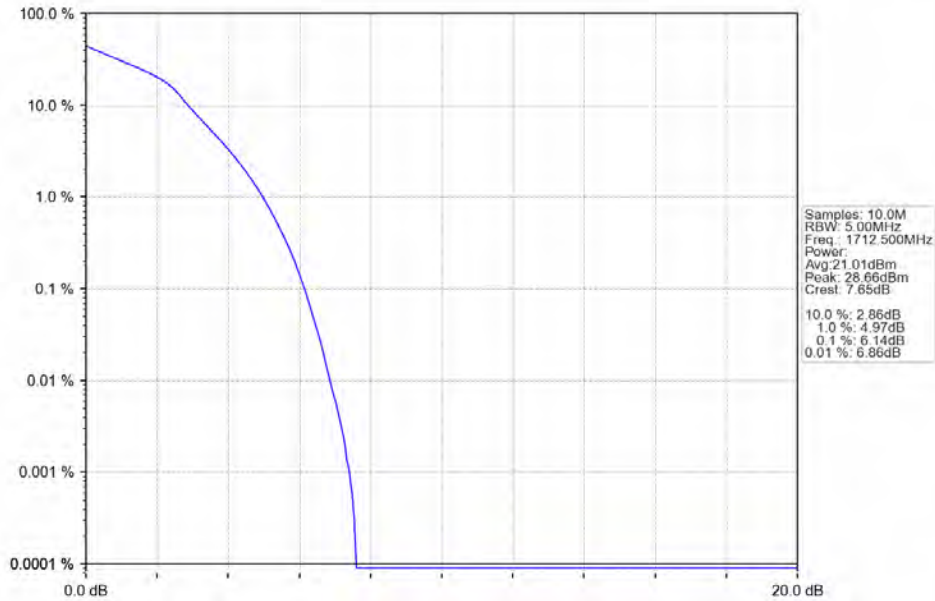
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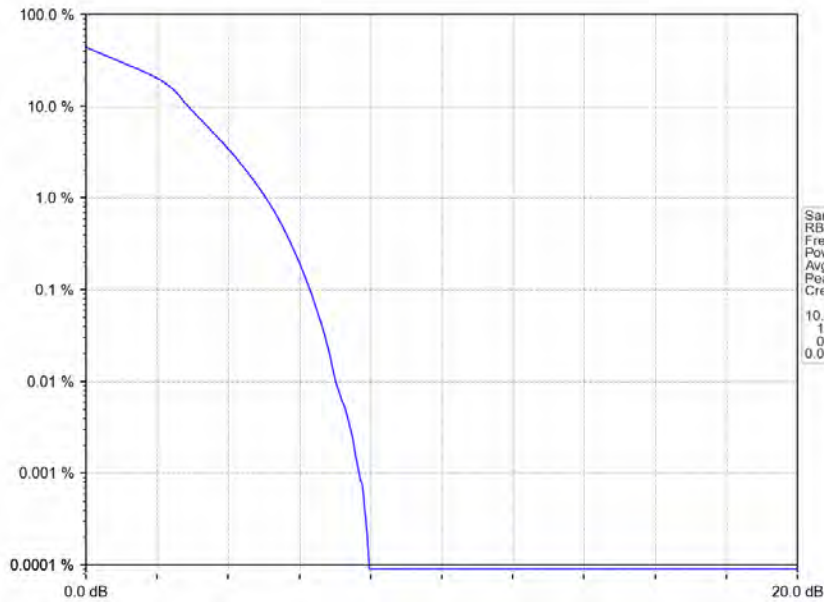
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Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



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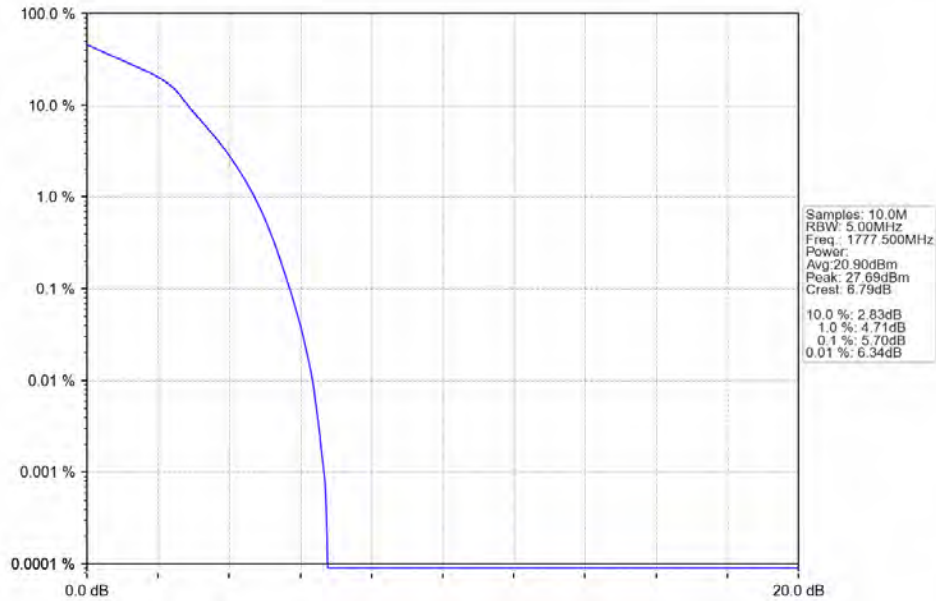
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4.4 B66_10MHz

4.4.1 Test Result

Band: 66 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.41	<=13	Pass
	1745	50	0	5.66	<=13	Pass
	1775	50	0	5.15	<=13	Pass
16QAM	1715	50	0	6.17	<=13	Pass
	1745	50	0	6.40	<=13	Pass
	1775	50	0	5.91	<=13	Pass



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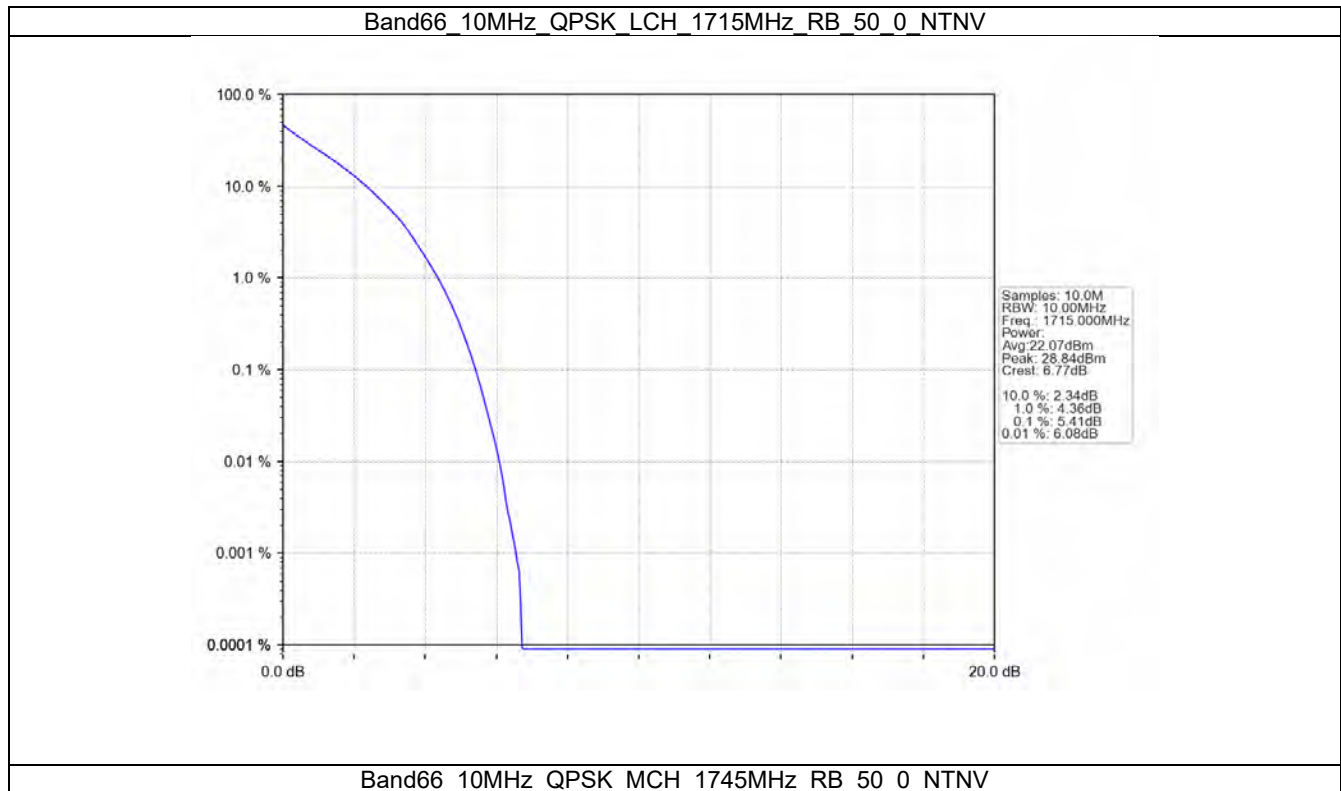
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4.4.2 Test Graph



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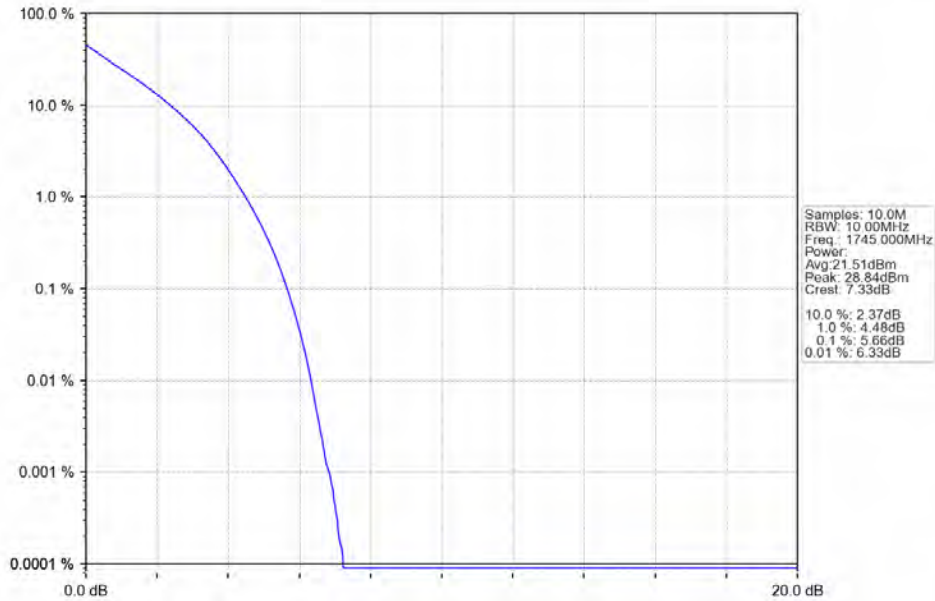
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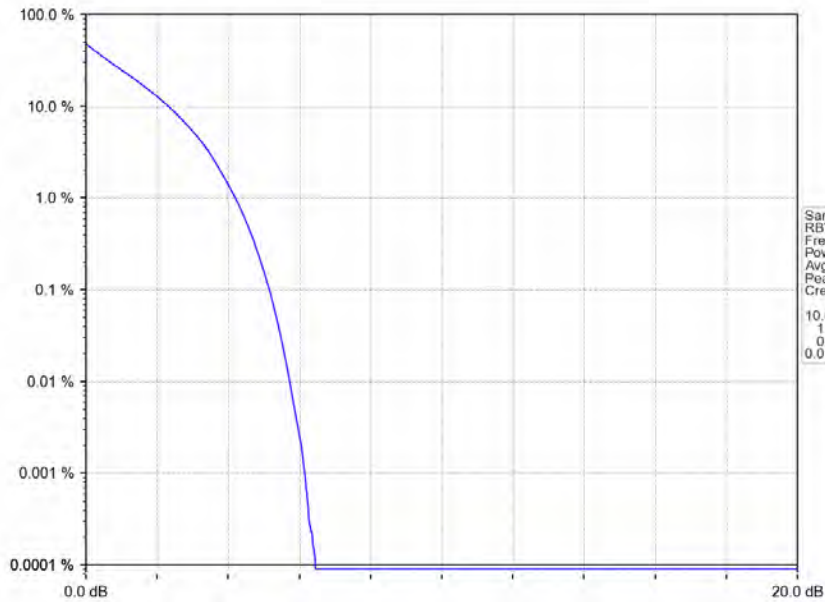
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Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



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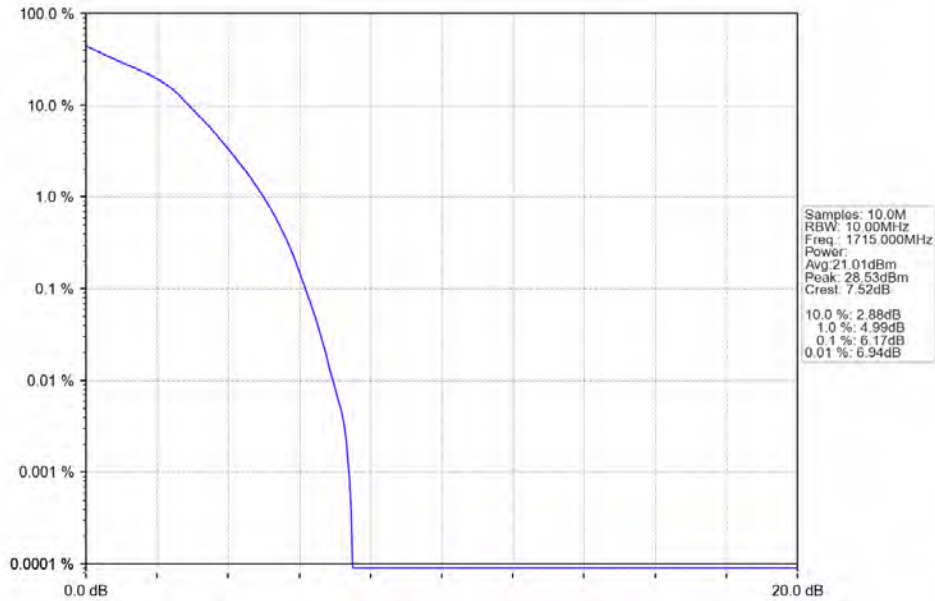
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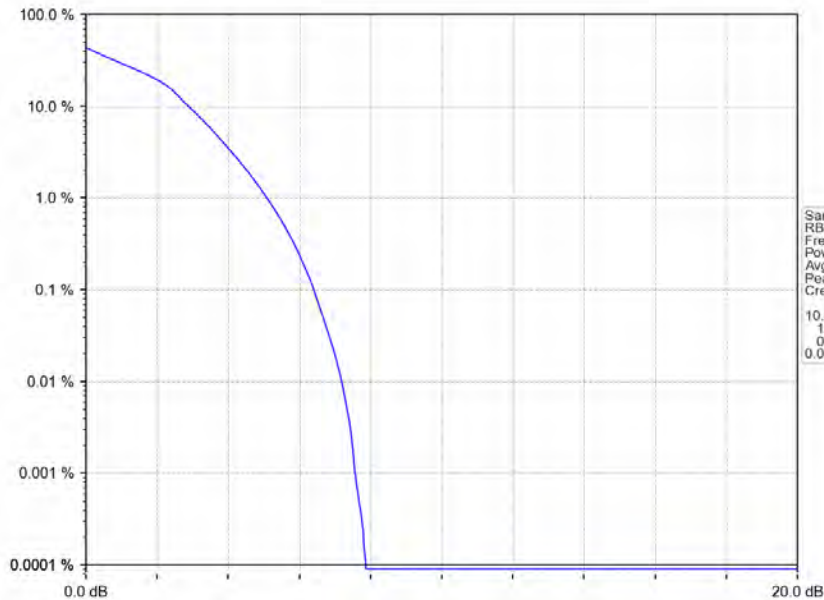
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Band66 10MHz 16QAM MCH 1745MHz RB 50 0 NTN



Band66 10MHz 16QAM HCH 1775MHz RB 50 0 NTN



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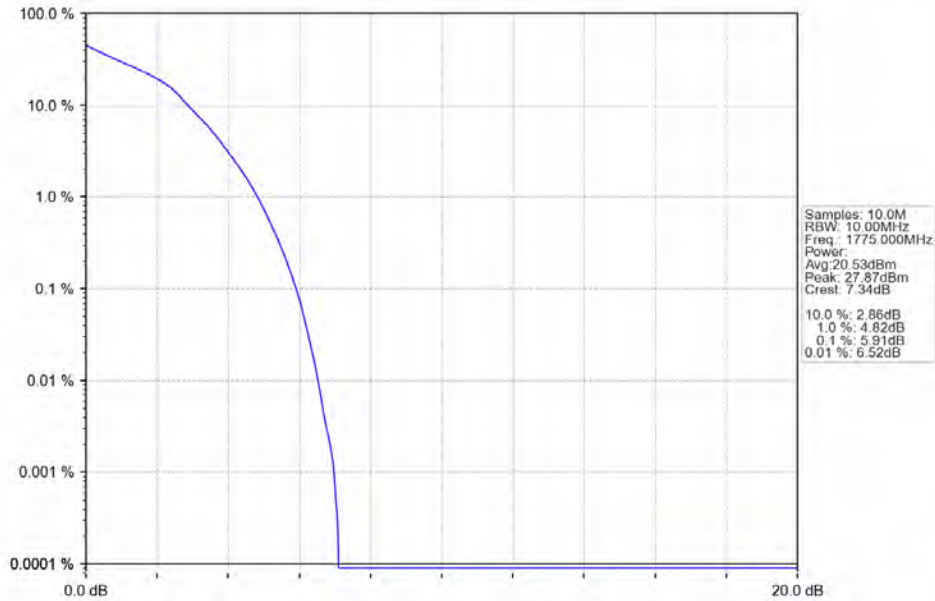
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4.5 B66_15MHz

4.5.1 Test Result

Band: 66 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.70	<=13	Pass
	1745	75	0	5.85	<=13	Pass
	1772.5	75	0	5.17	<=13	Pass
16QAM	1717.5	75	0	6.27	<=13	Pass
	1745	75	0	6.41	<=13	Pass
	1772.5	75	0	5.81	<=13	Pass



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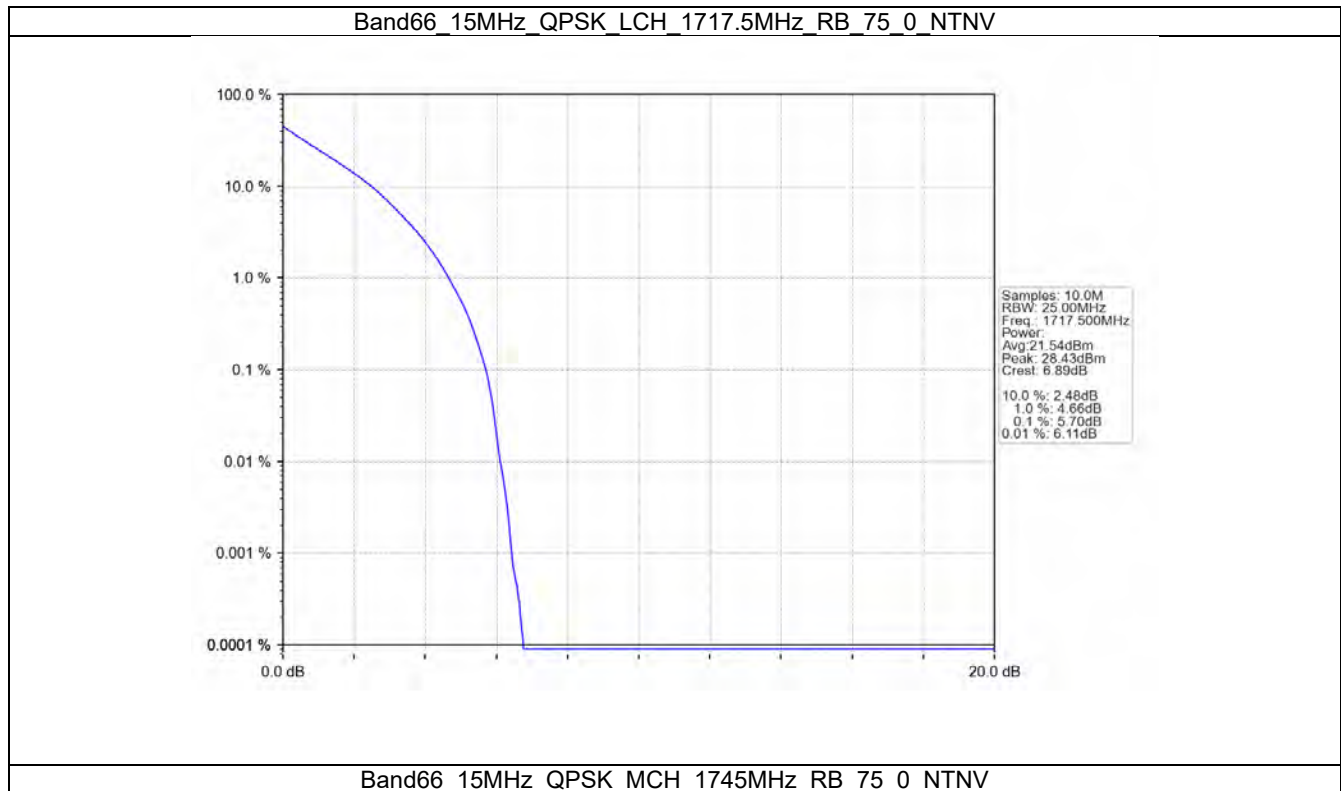
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4.5.2 Test Graph



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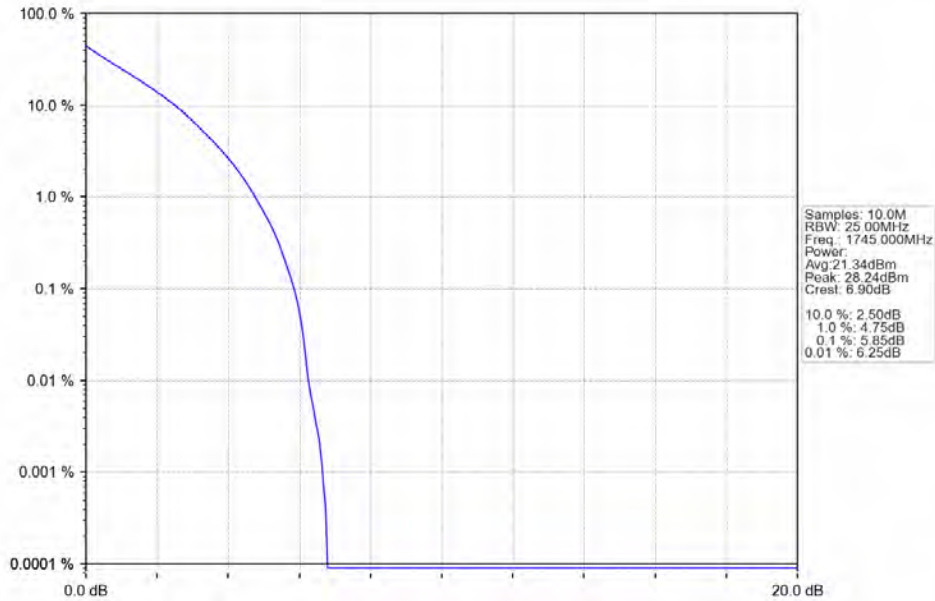
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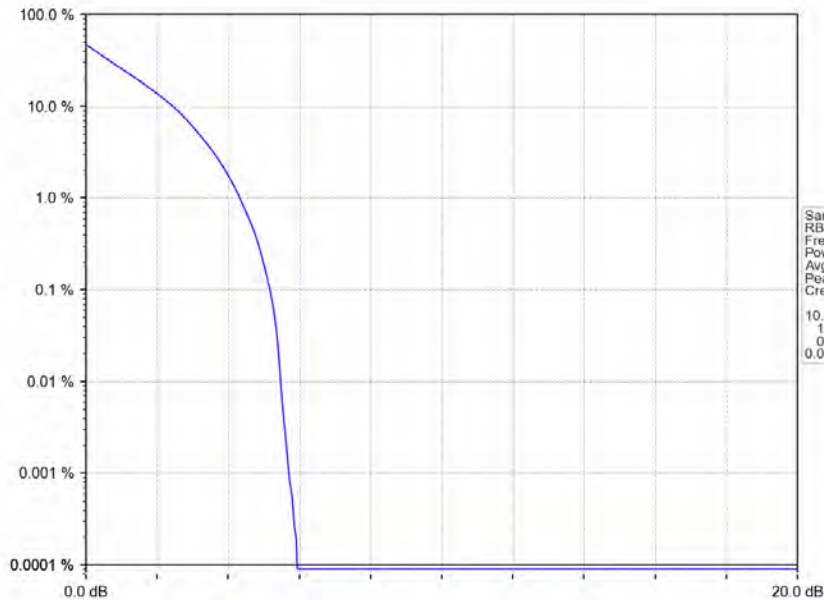
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Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



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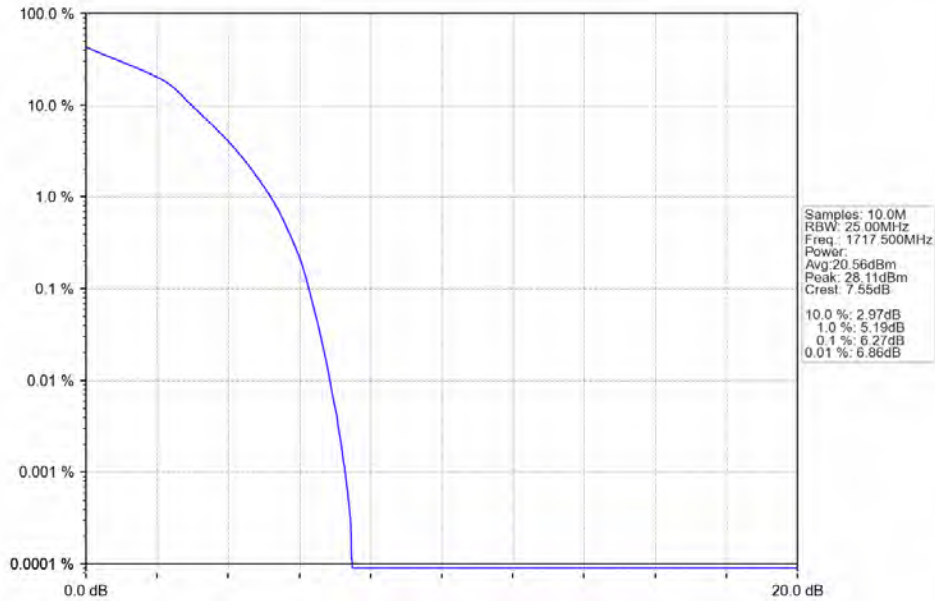
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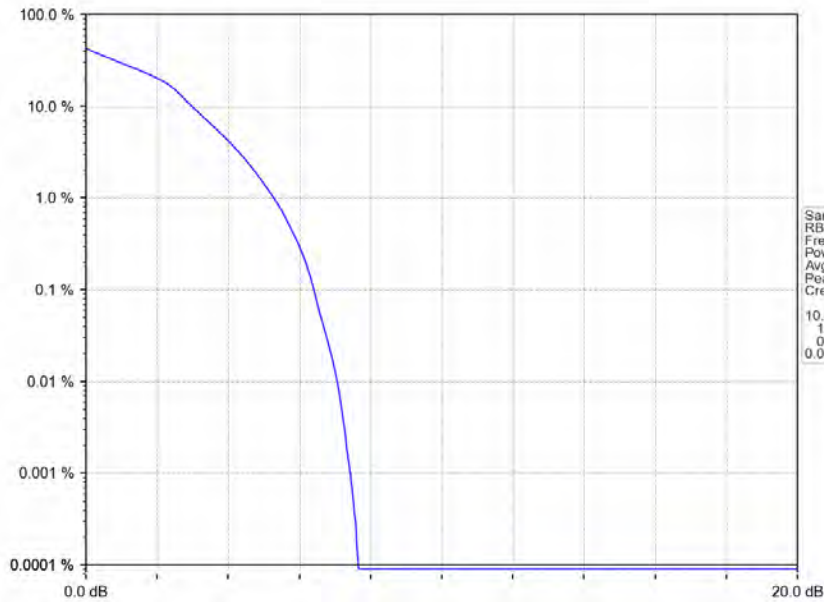
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Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



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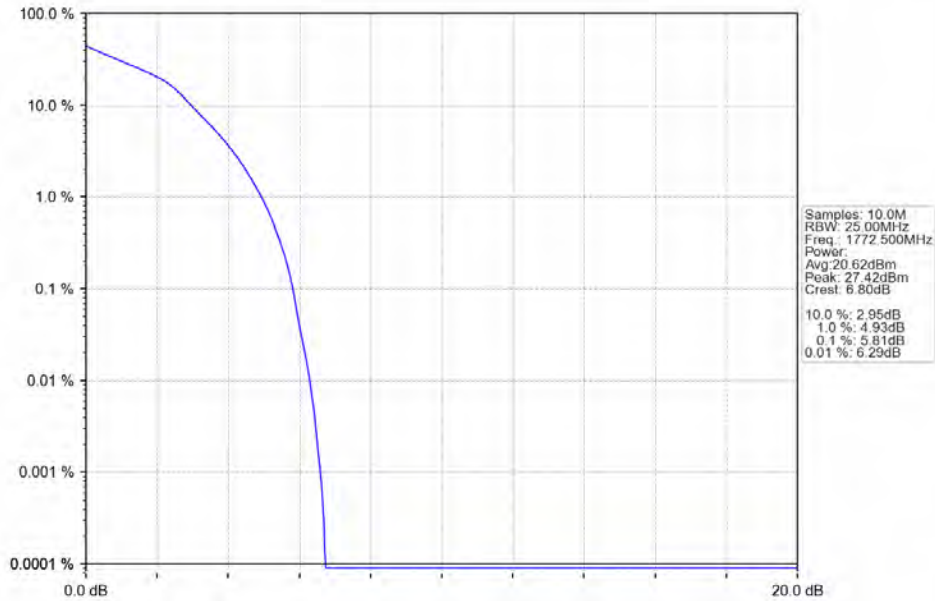
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4.6 B66_20MHz

4.6.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.48	<=13	Pass
	1745	100	0	5.59	<=13	Pass
	1770	100	0	5.16	<=13	Pass
16QAM	1720	100	0	6.26	<=13	Pass
	1745	100	0	6.34	<=13	Pass
	1770	100	0	5.89	<=13	Pass



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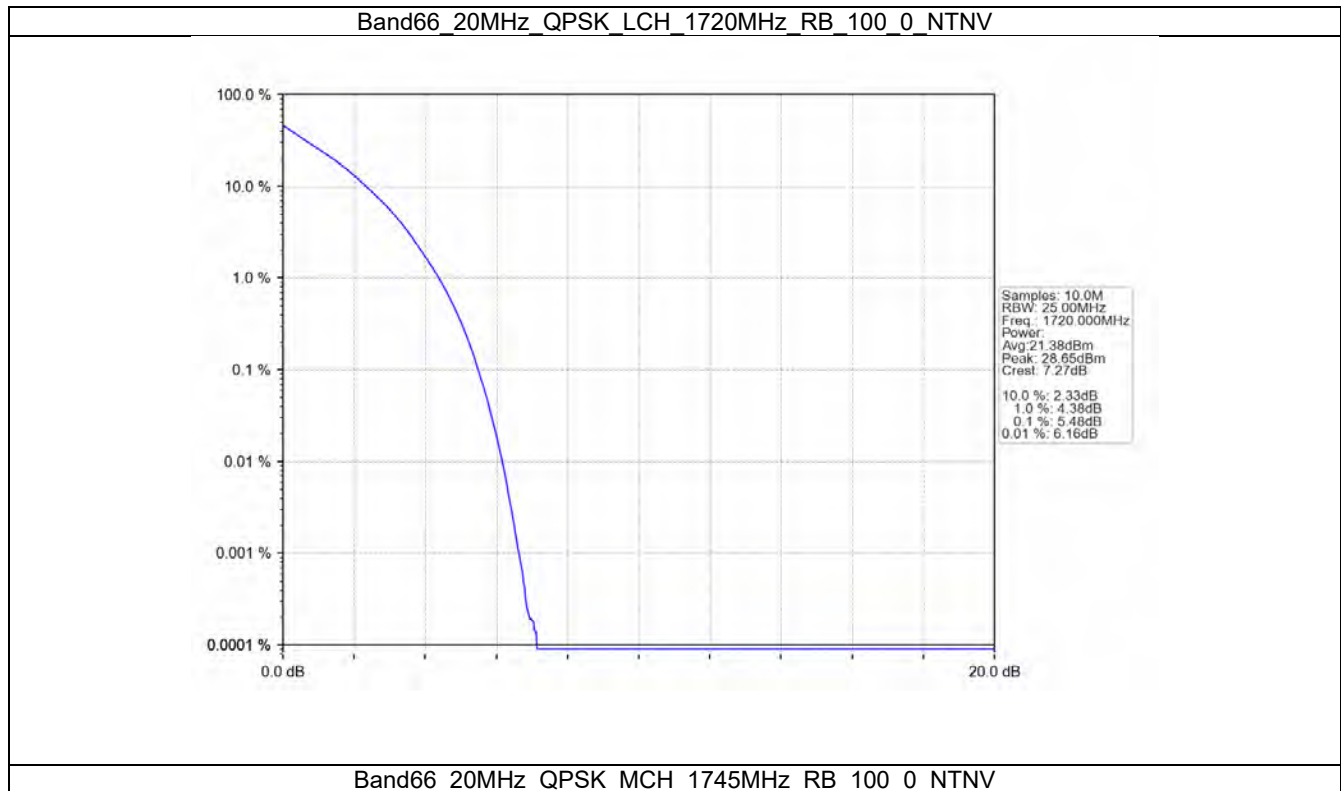
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4.6.2 Test Graph



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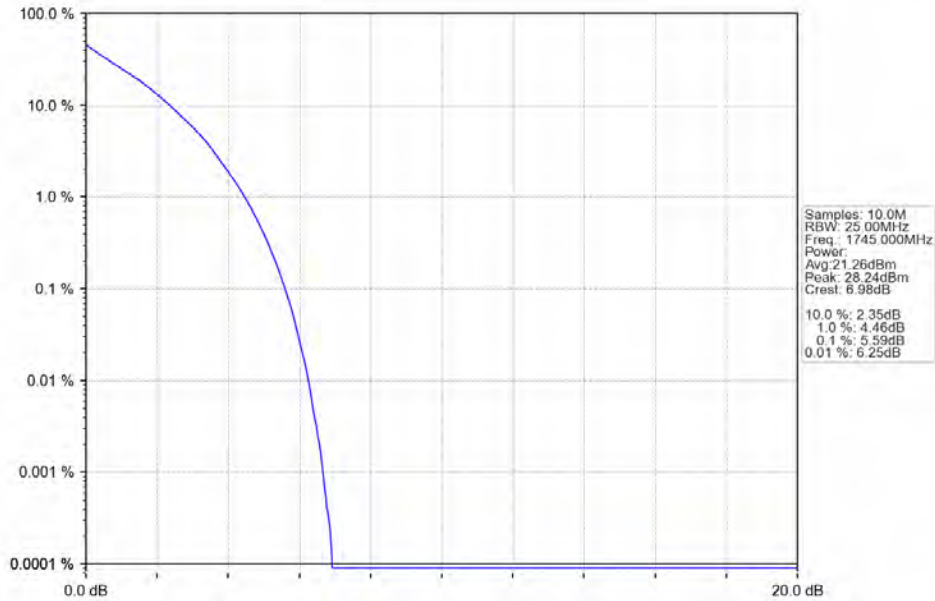
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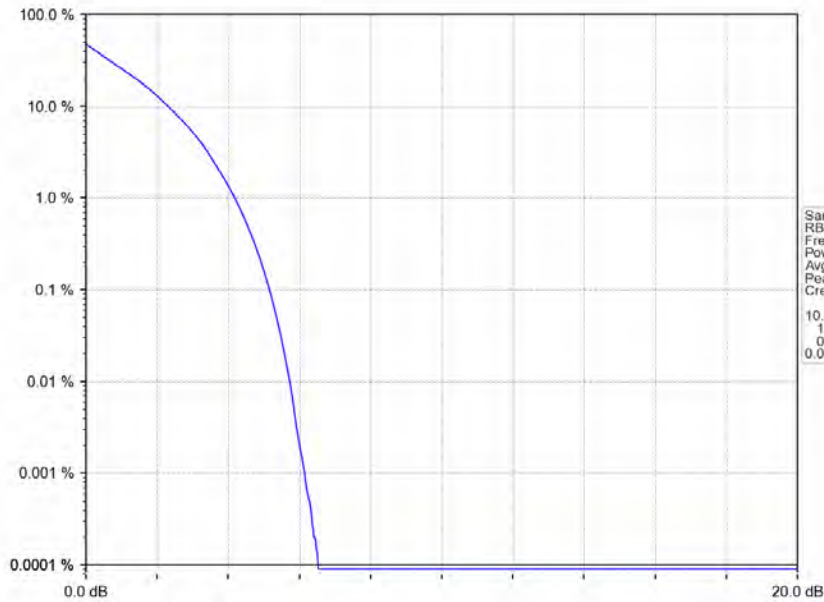
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Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



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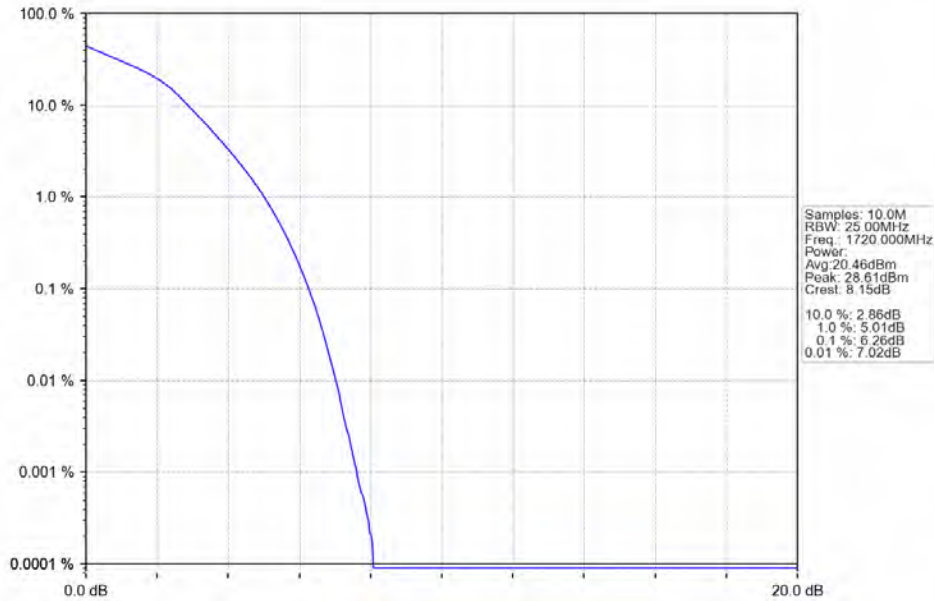
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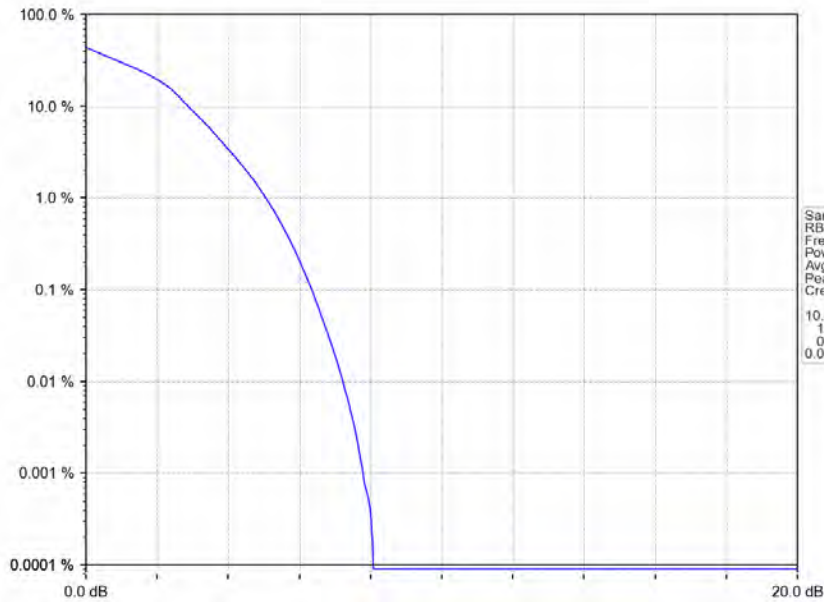
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Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



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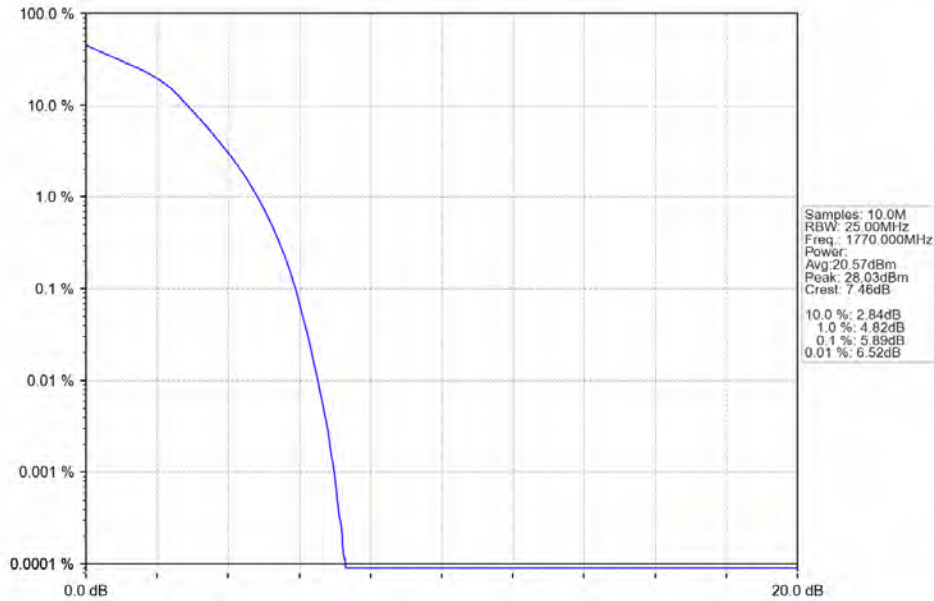
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5. Spurious Emission & Band Edges

5.1 B66_1.4MHz

5.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTNV						
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
	1779.3	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
	1779.3	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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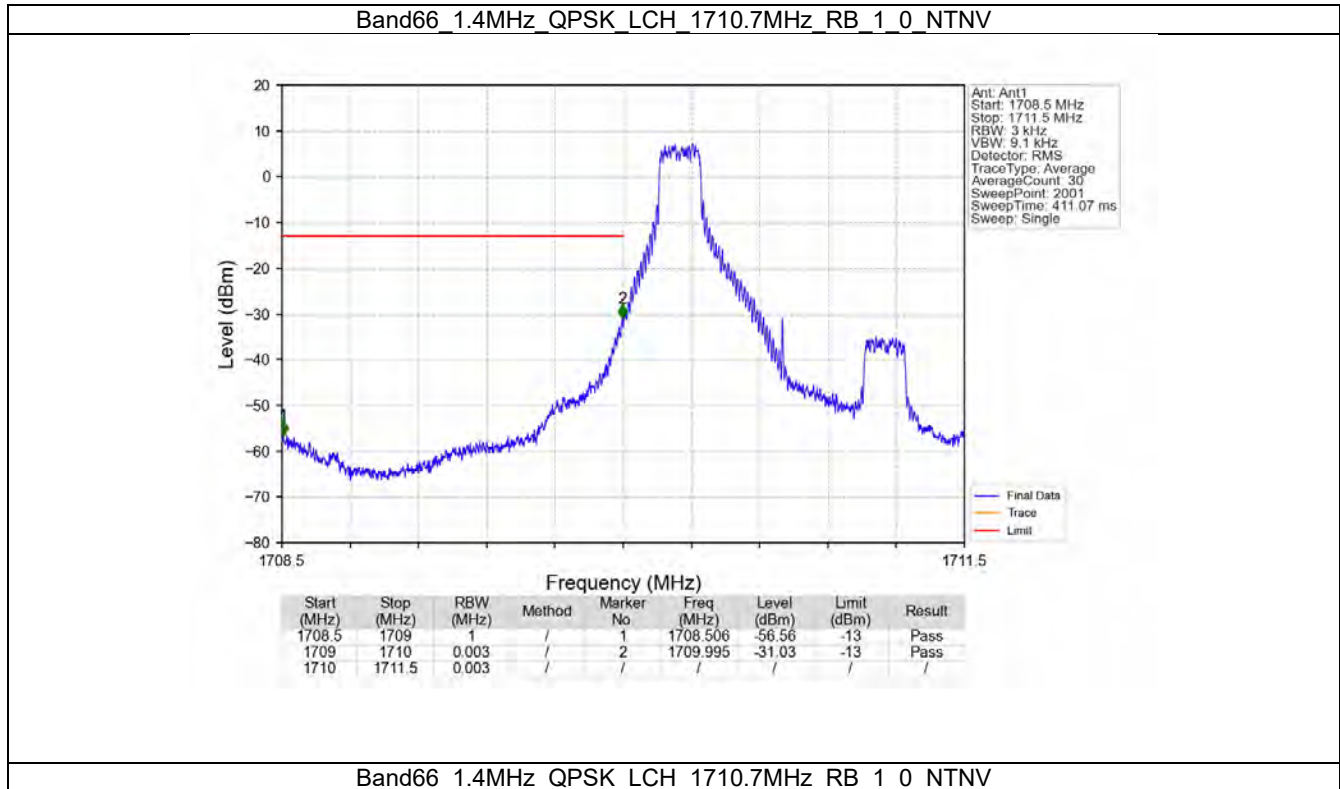
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5.1.2 Test Graph



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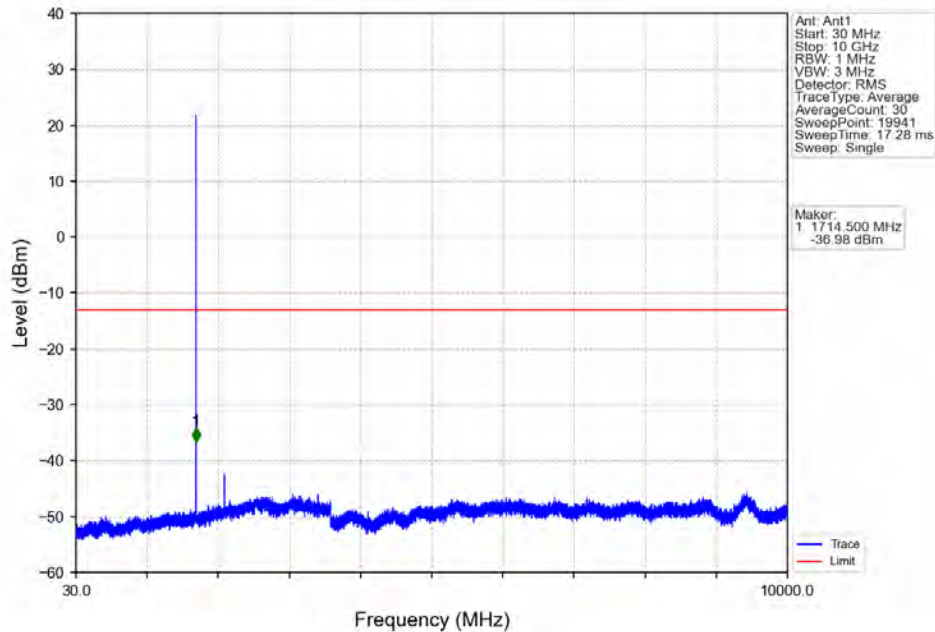
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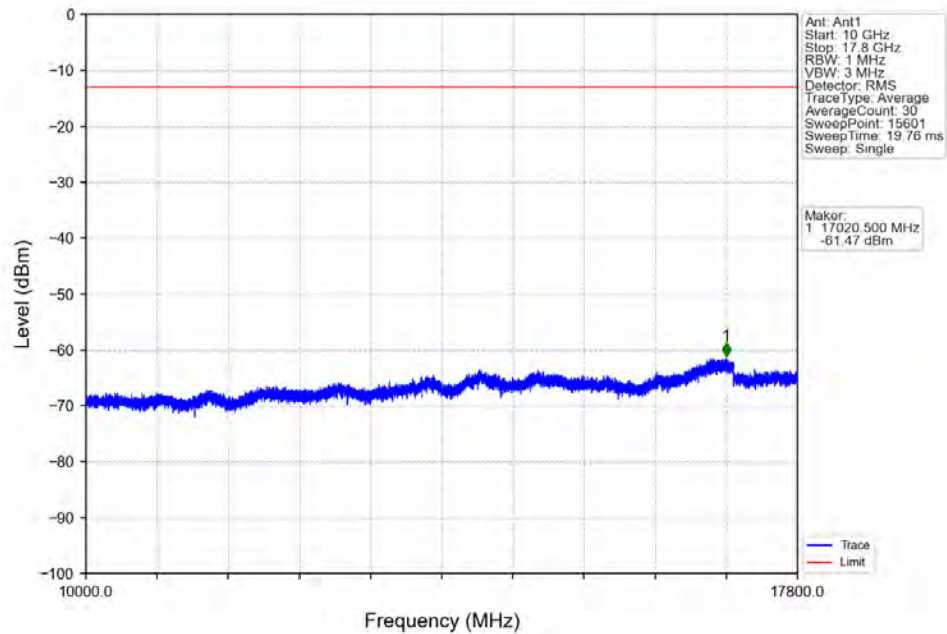
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Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



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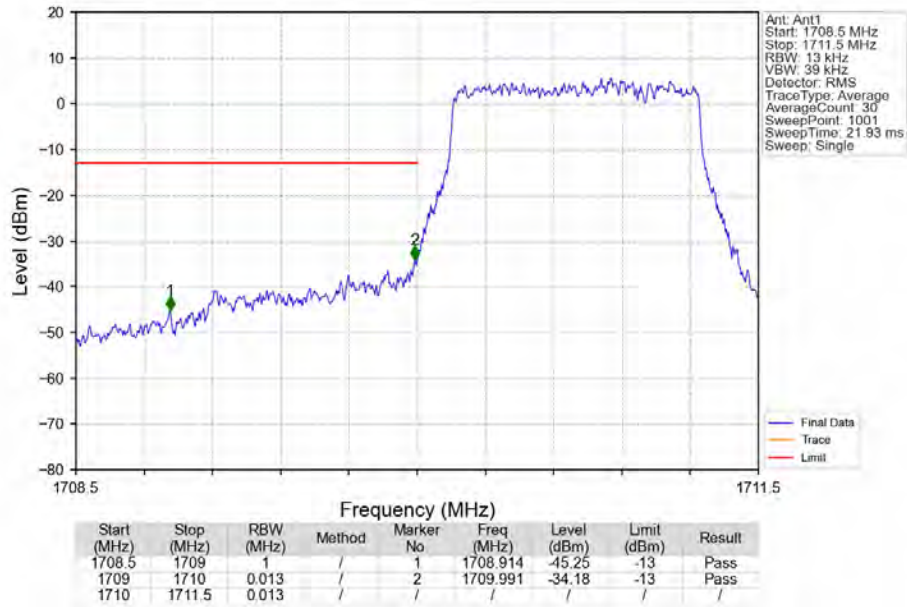
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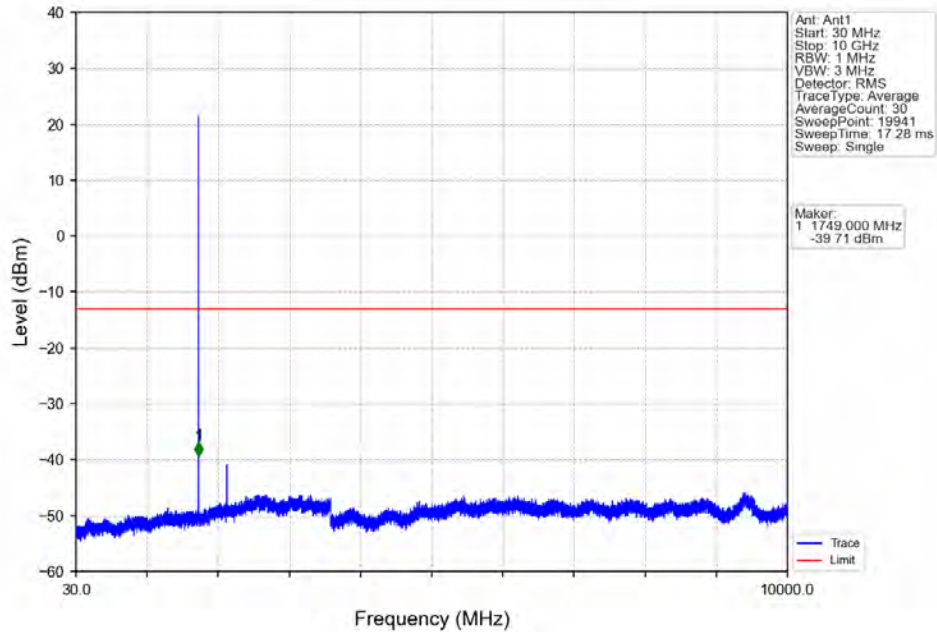
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Band66_1.4MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



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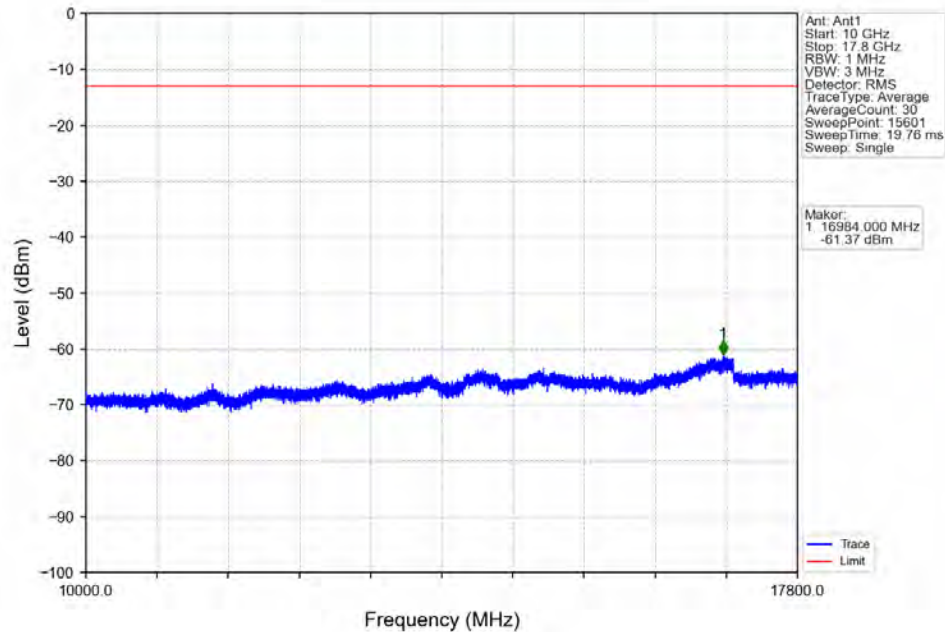
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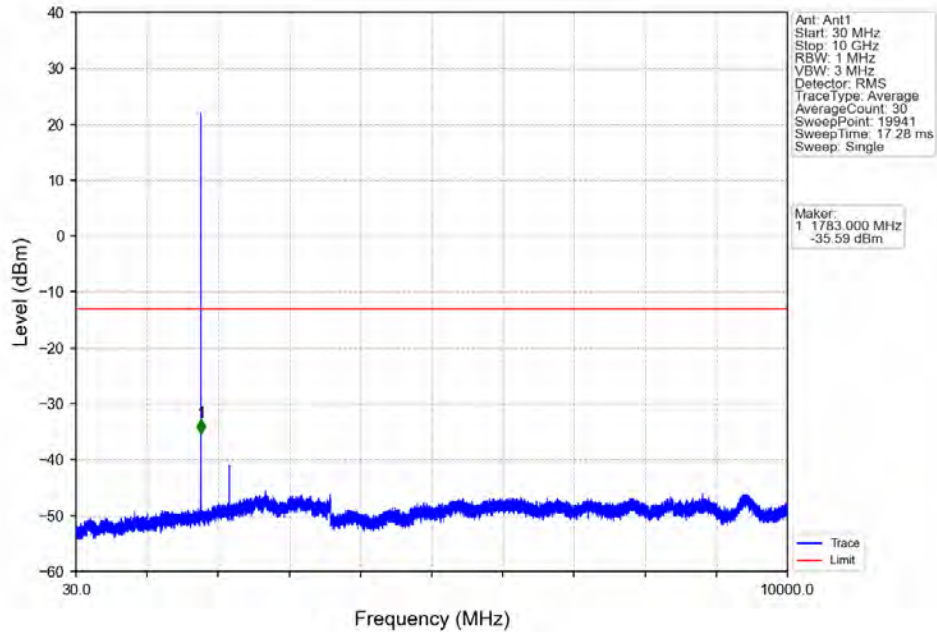
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Band66 1.4MHz QPSK HCH 1779.3MHz RB 1 0 NTN



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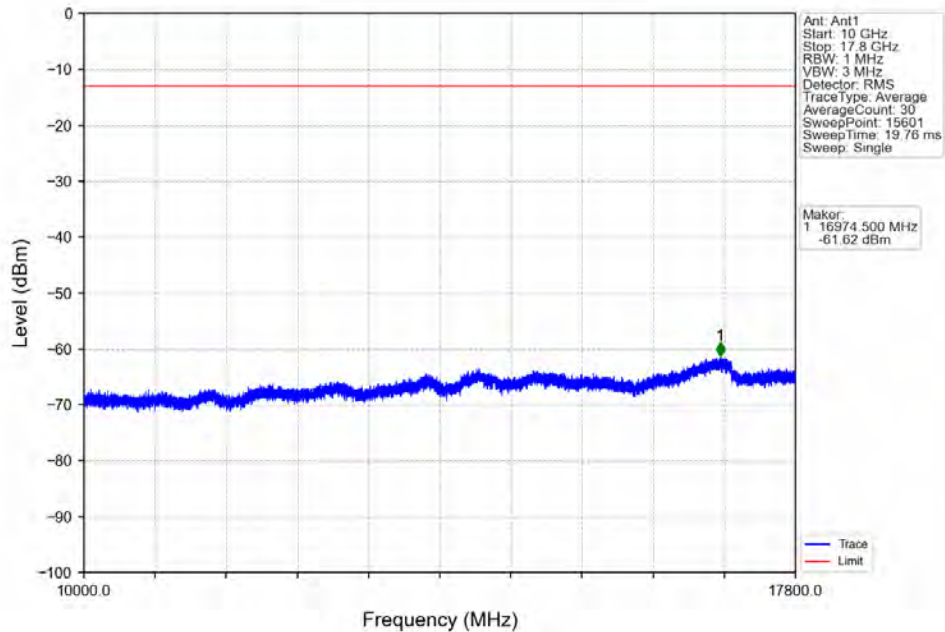
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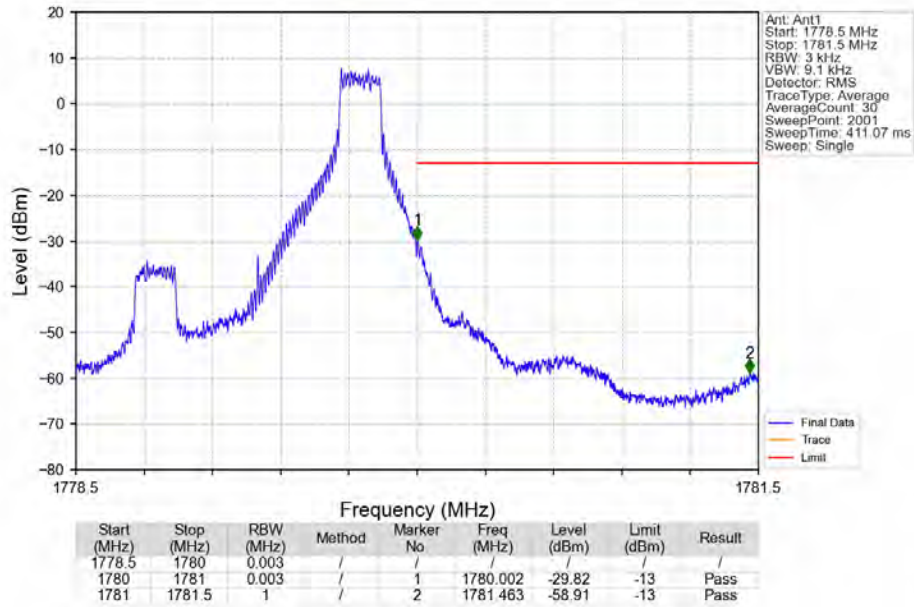
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Band66 1.4MHz QPSK HCH 1779.3MHz_RB_6_0_NTNV



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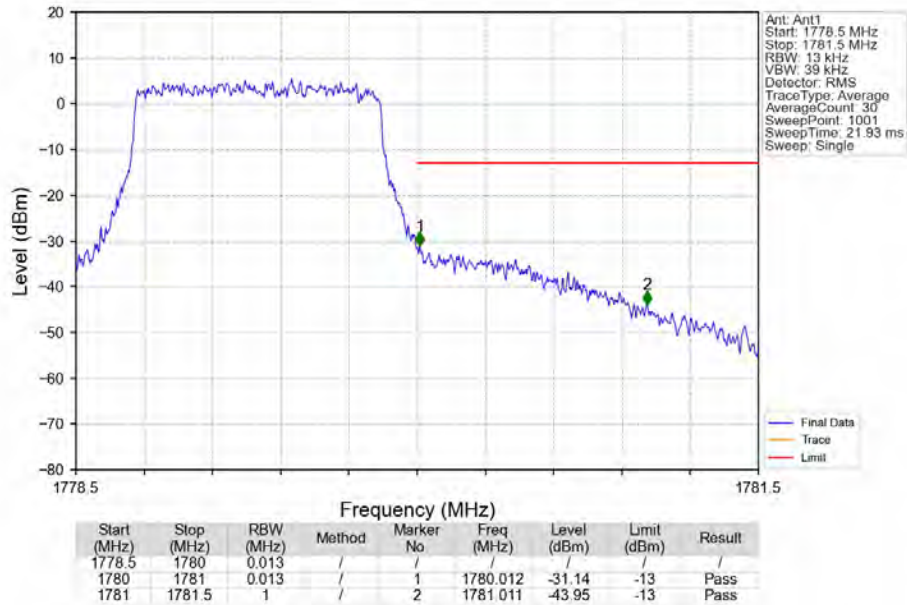
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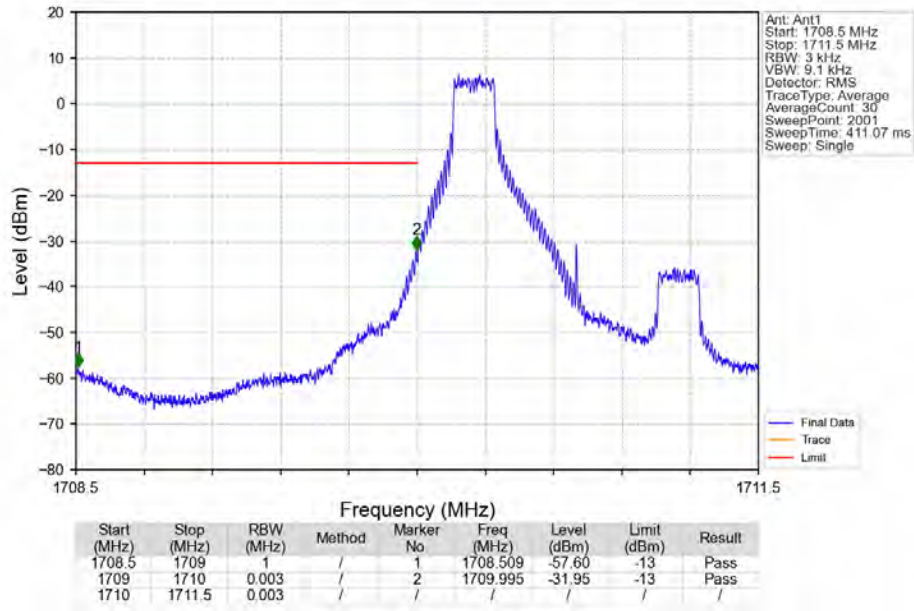
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Band66 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTN



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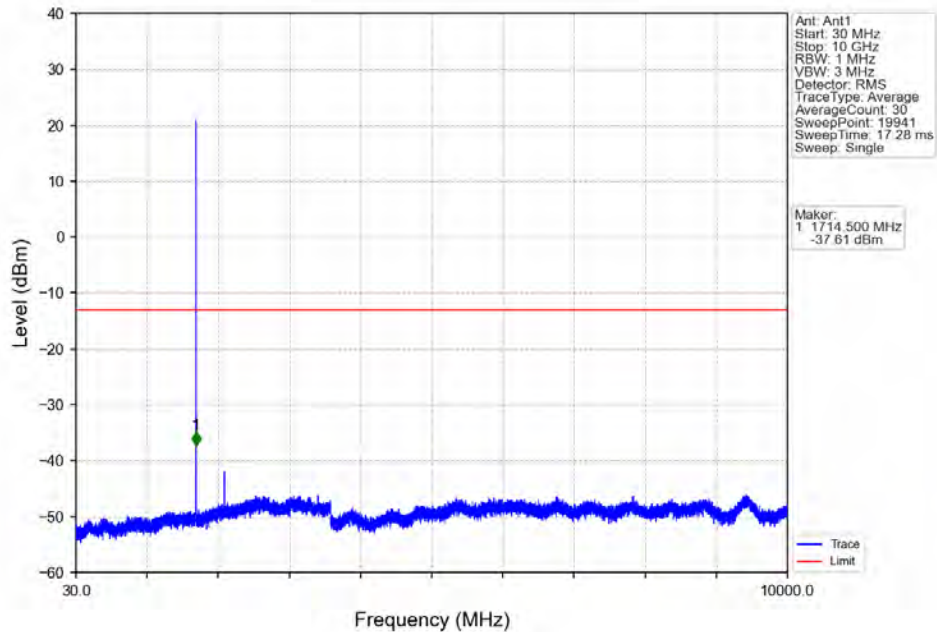
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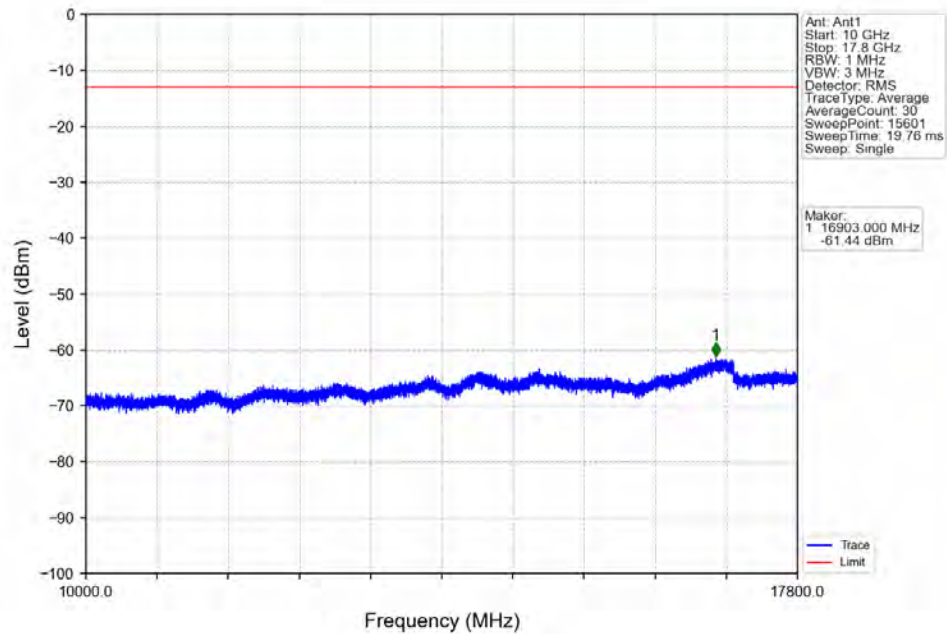
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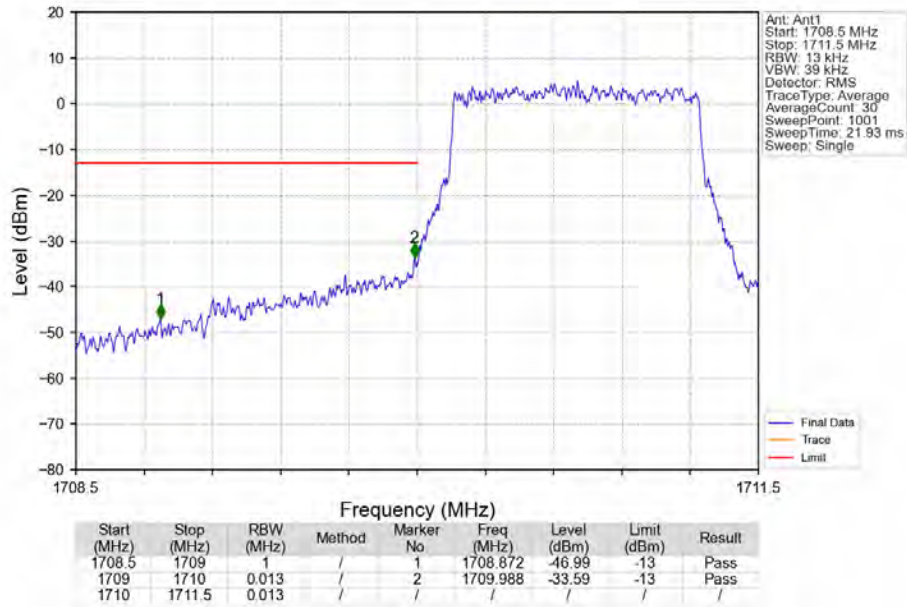
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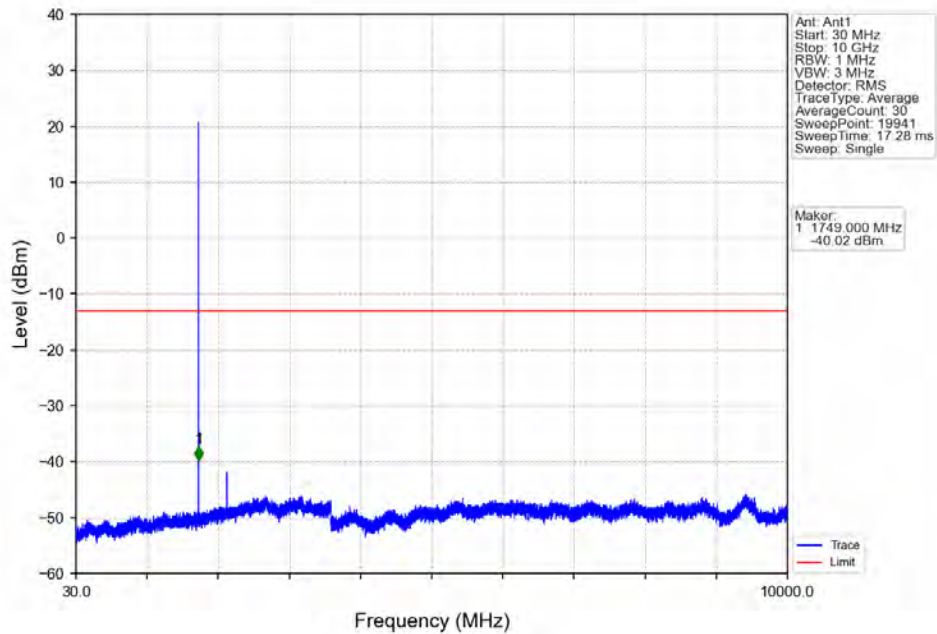
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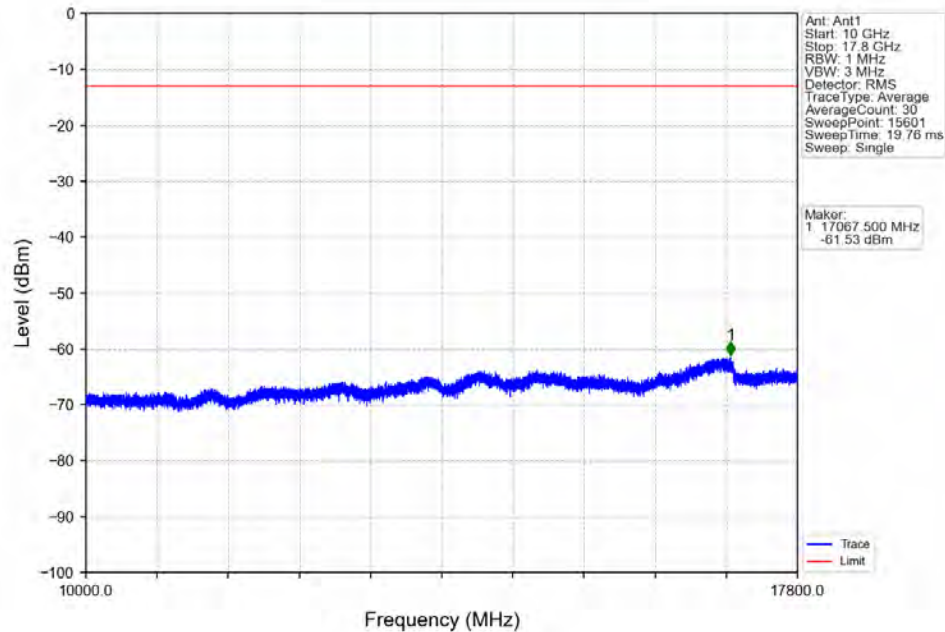
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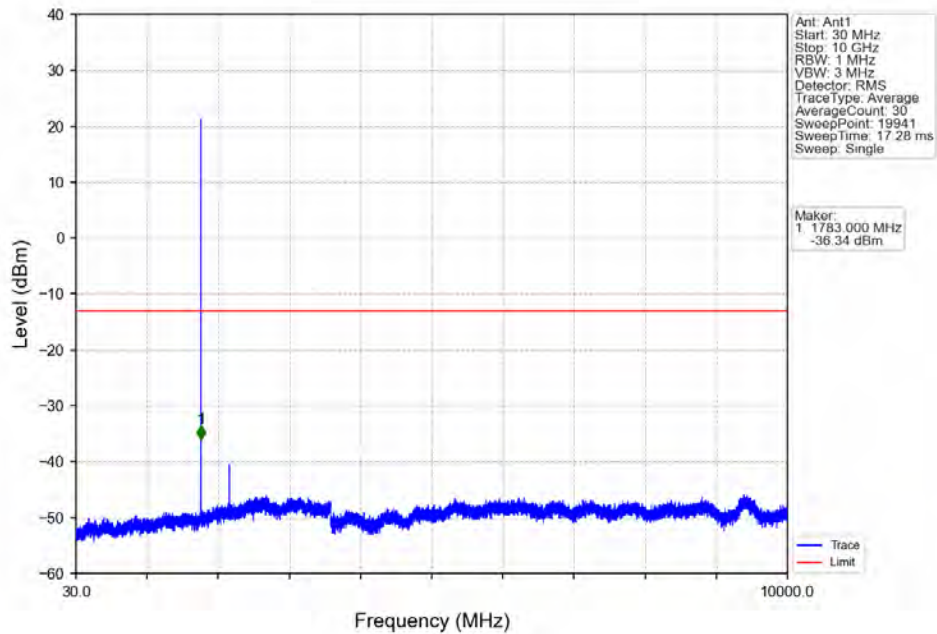
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Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_0_NTNV



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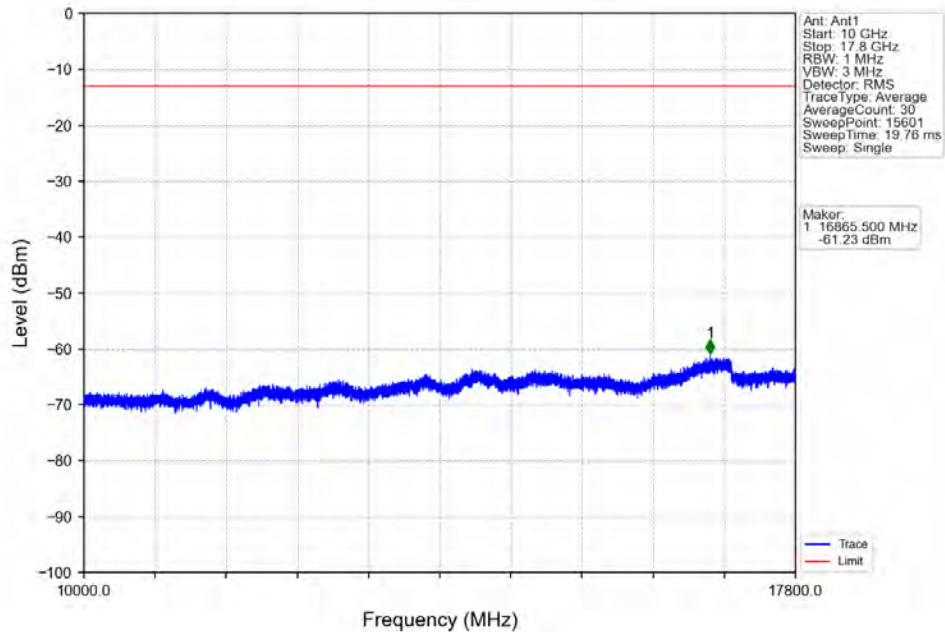
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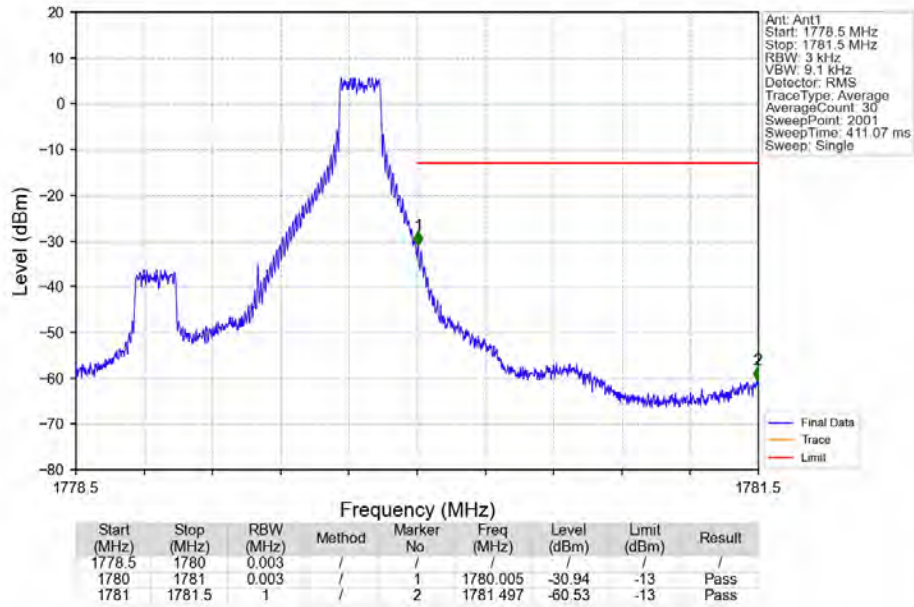
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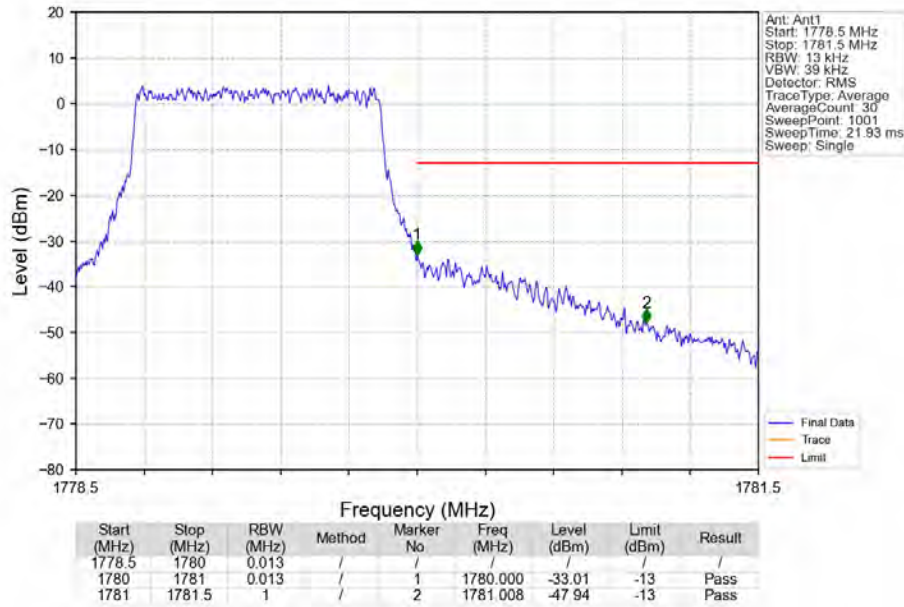
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5.2 B66_3MHz

5.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1778.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1778.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass



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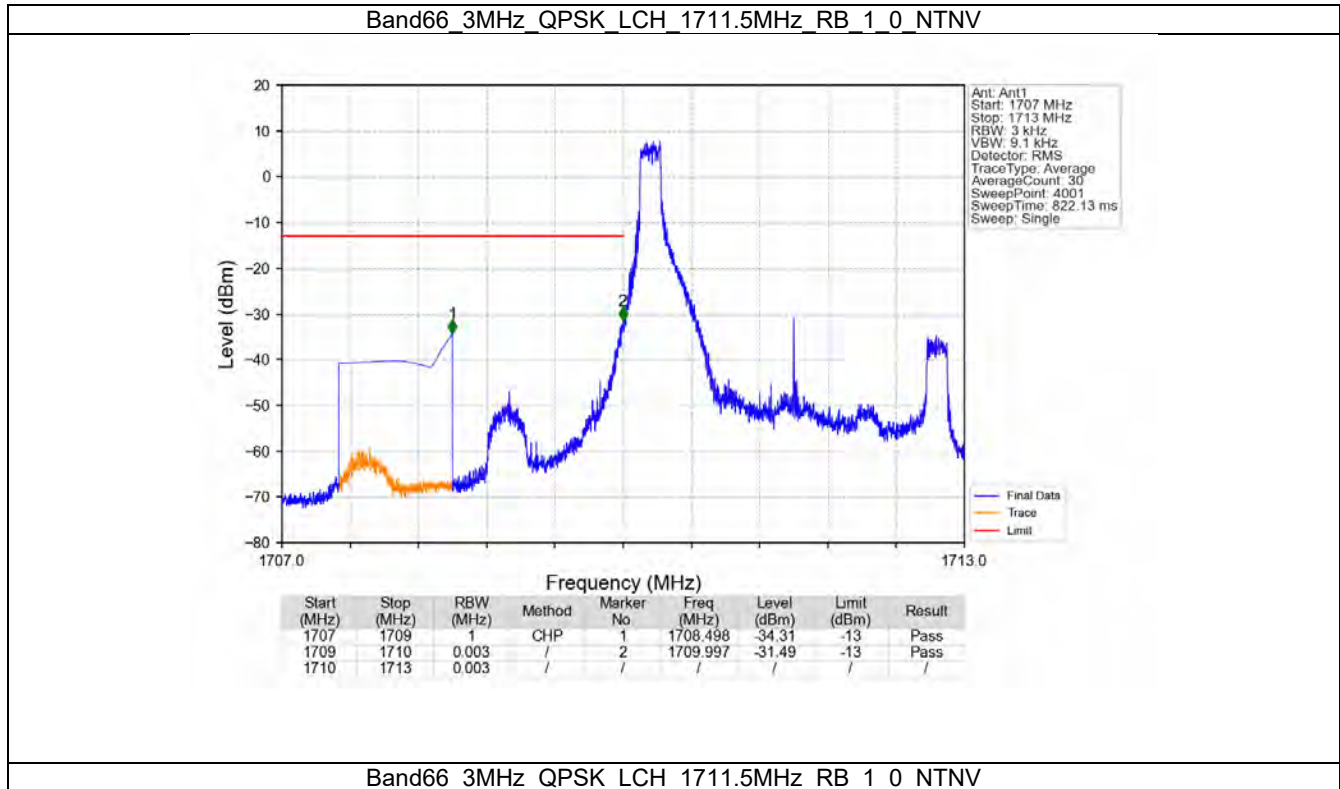
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5.2.2 Test Graph



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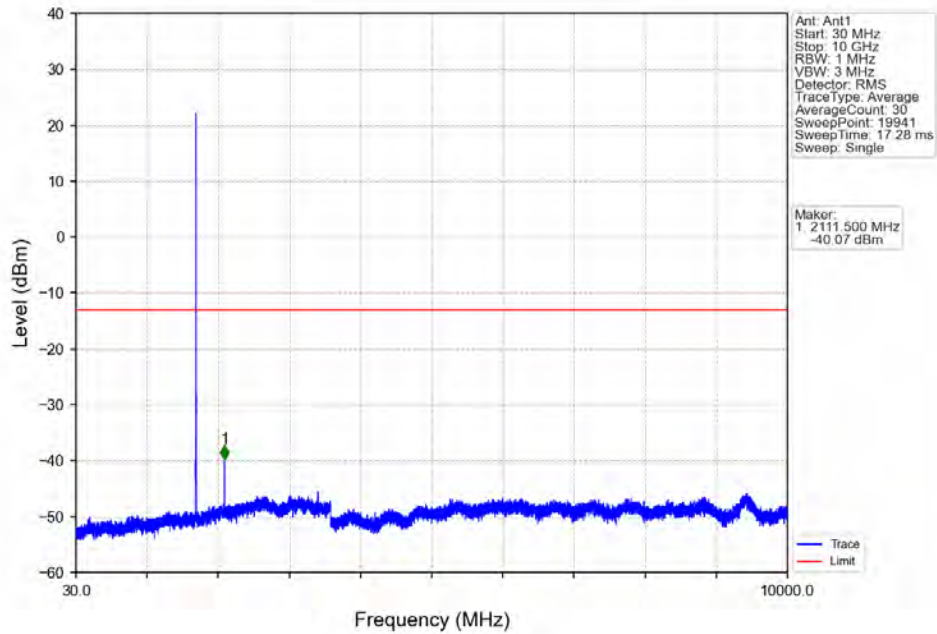
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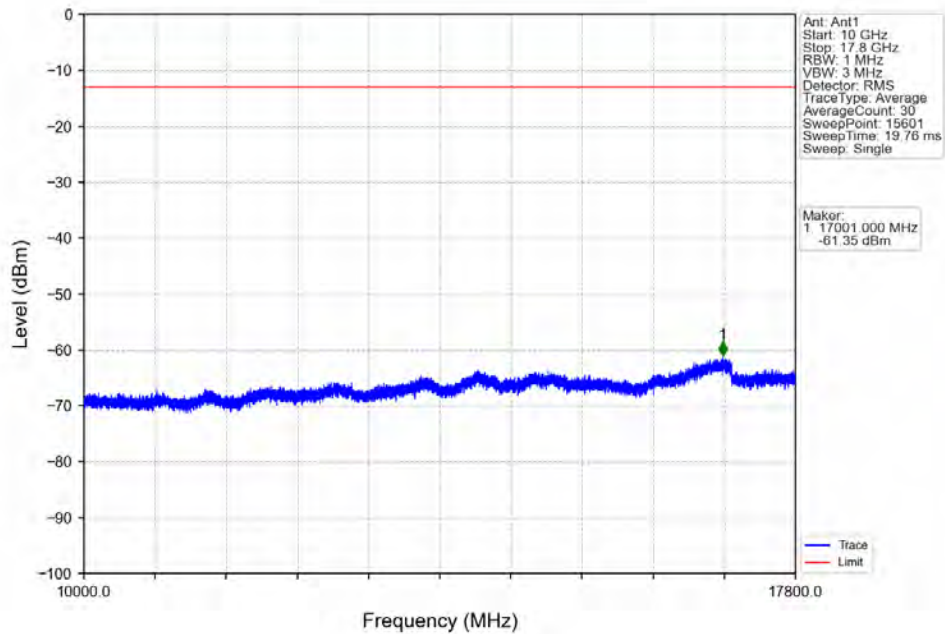
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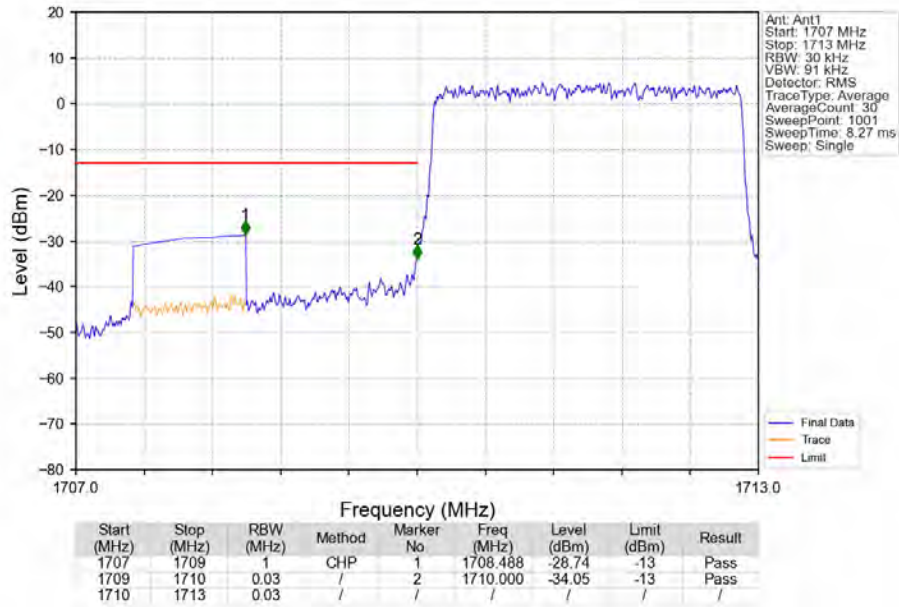
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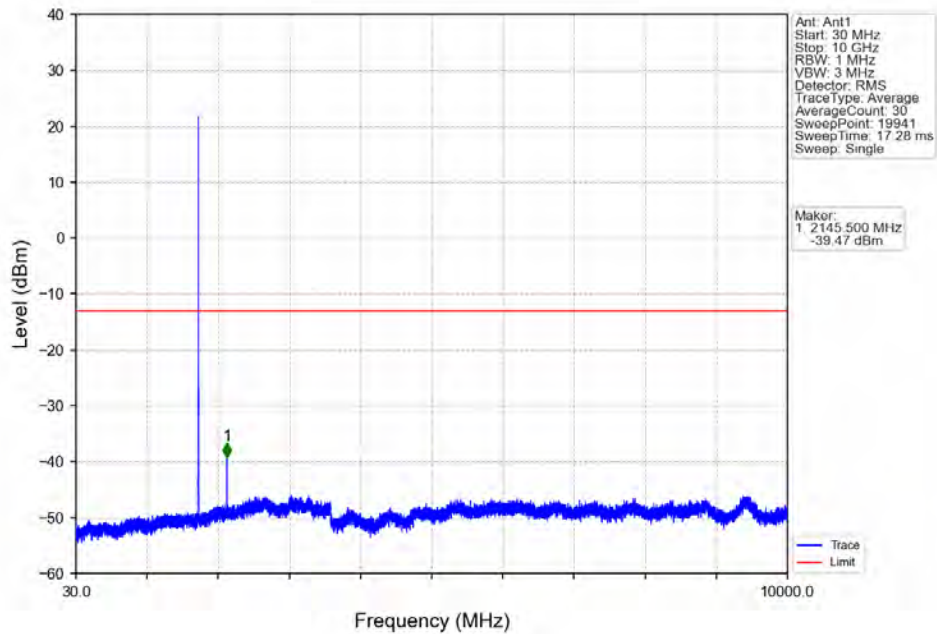
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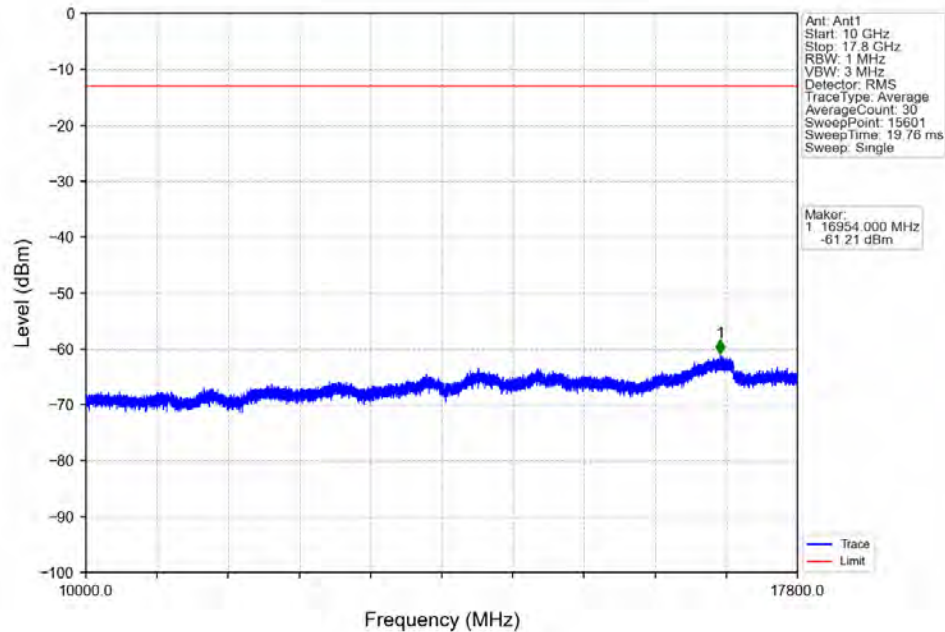
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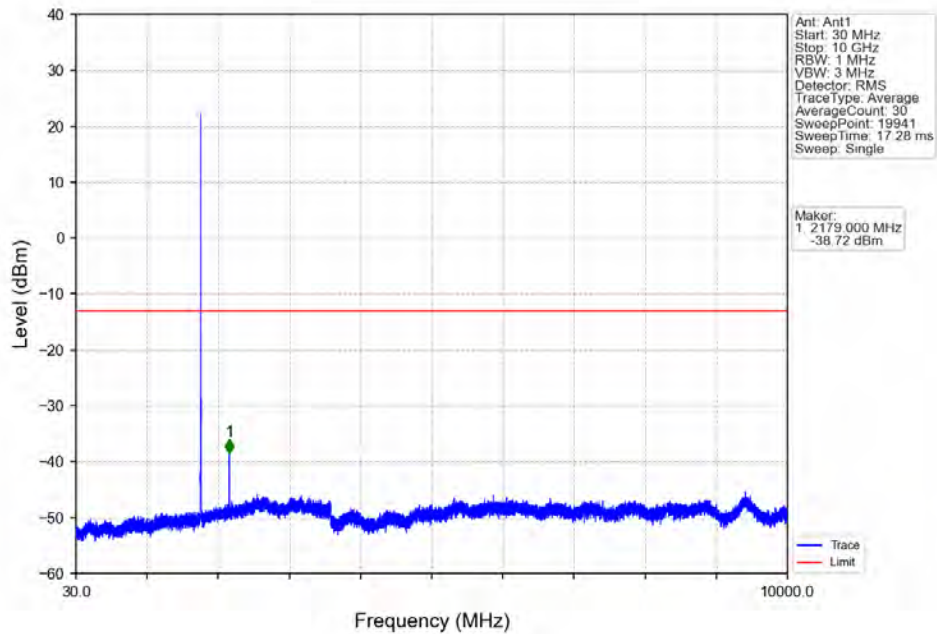
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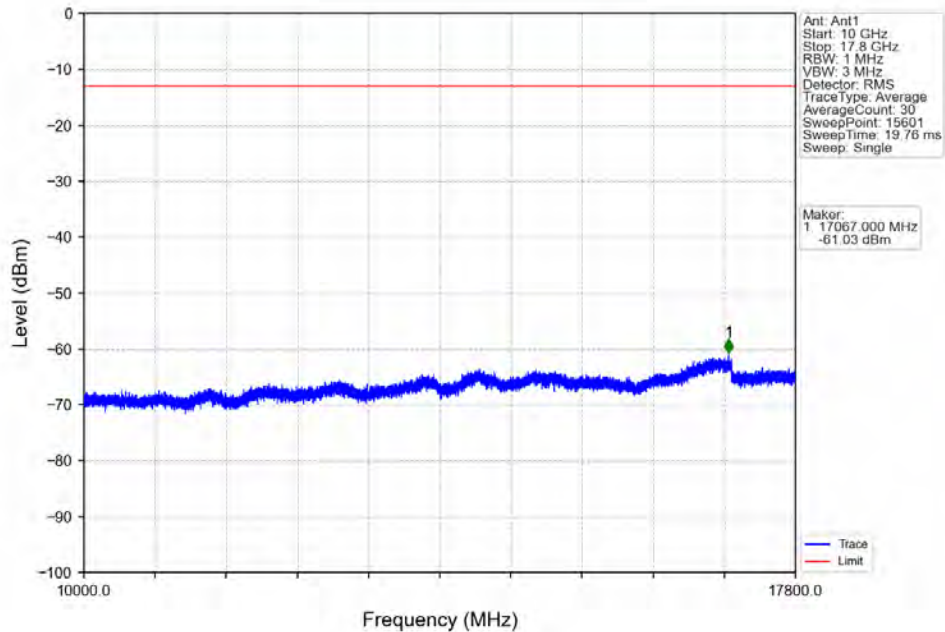
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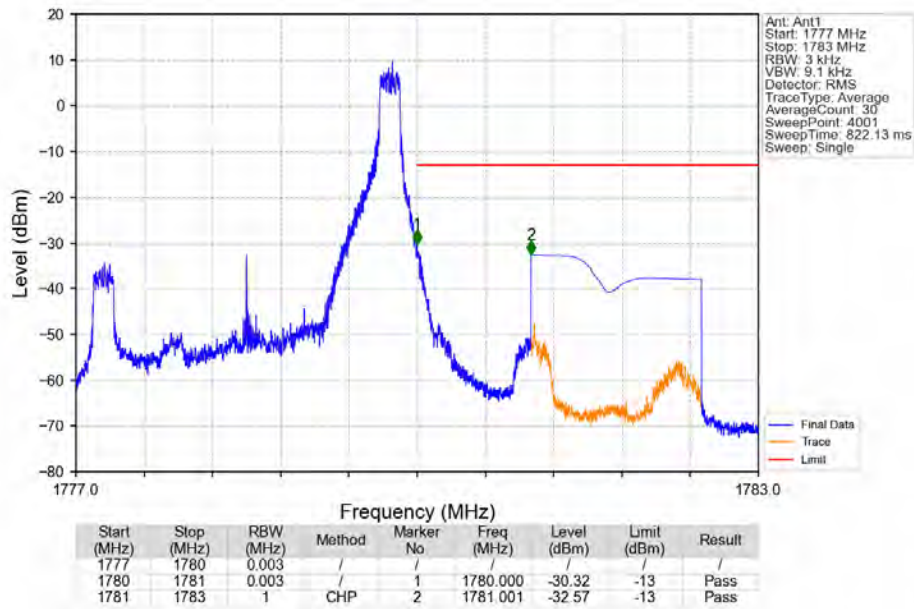
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Band66_3MHz_QPSK_HCH_1778.5MHz_RB_1_14_NTNV



Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



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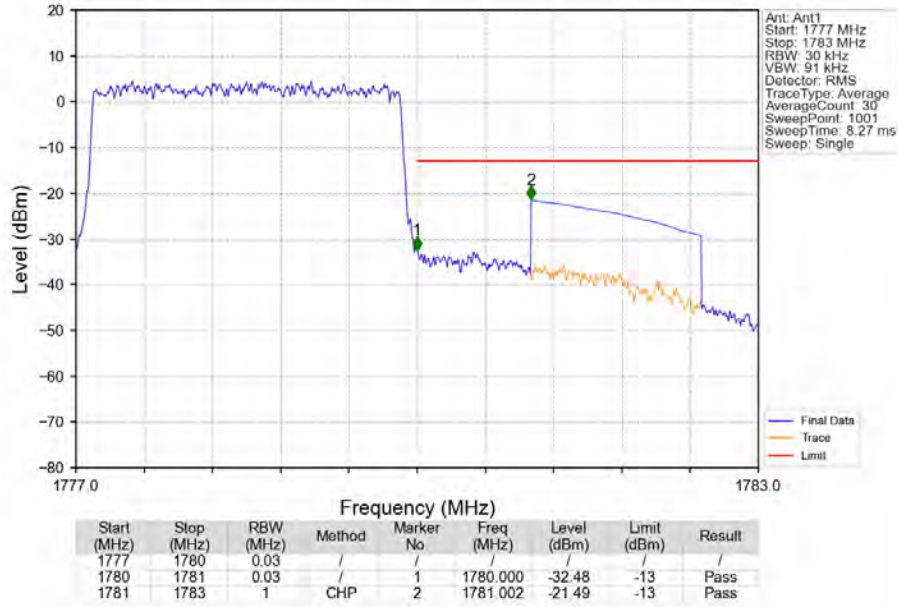
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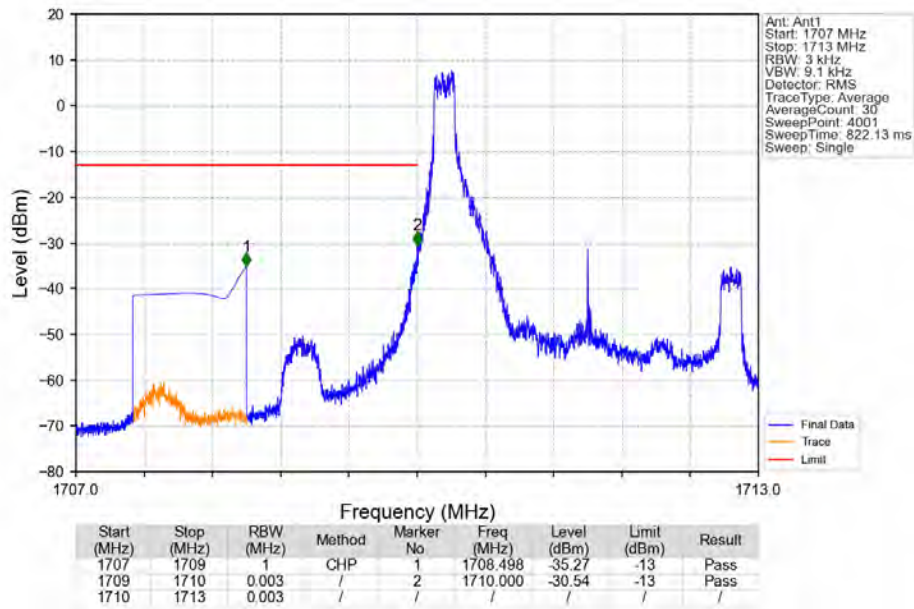
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Band66_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



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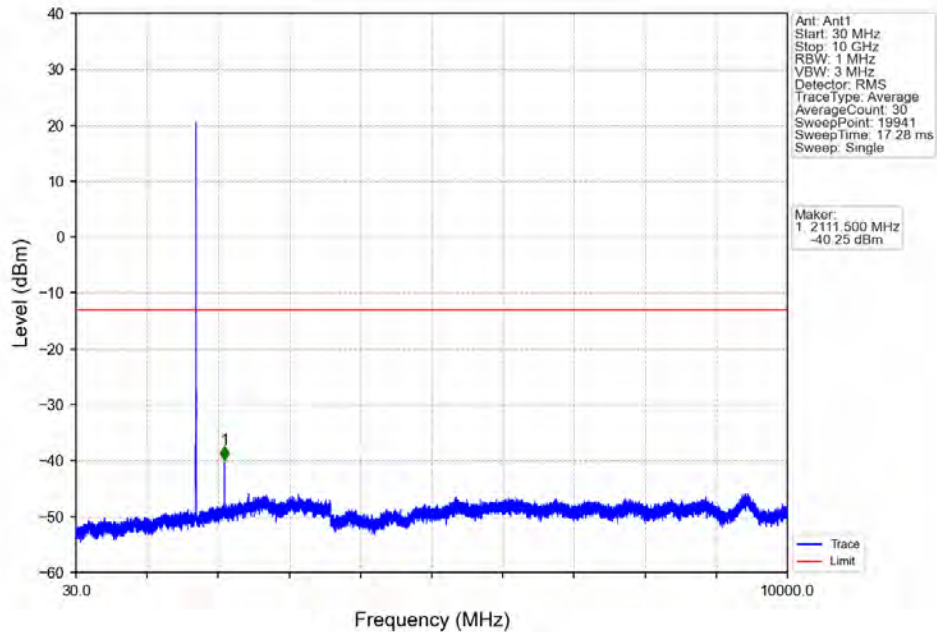
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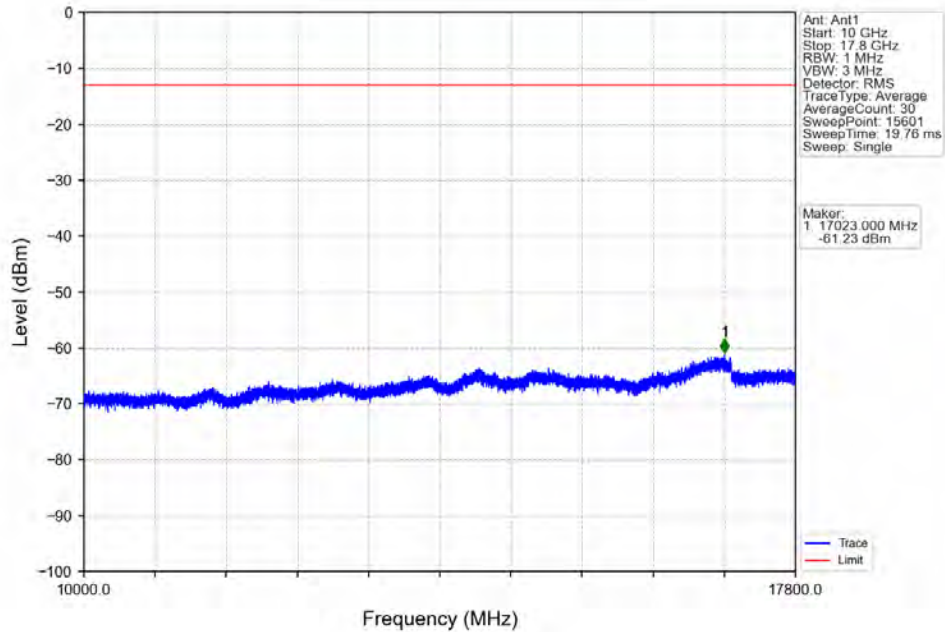
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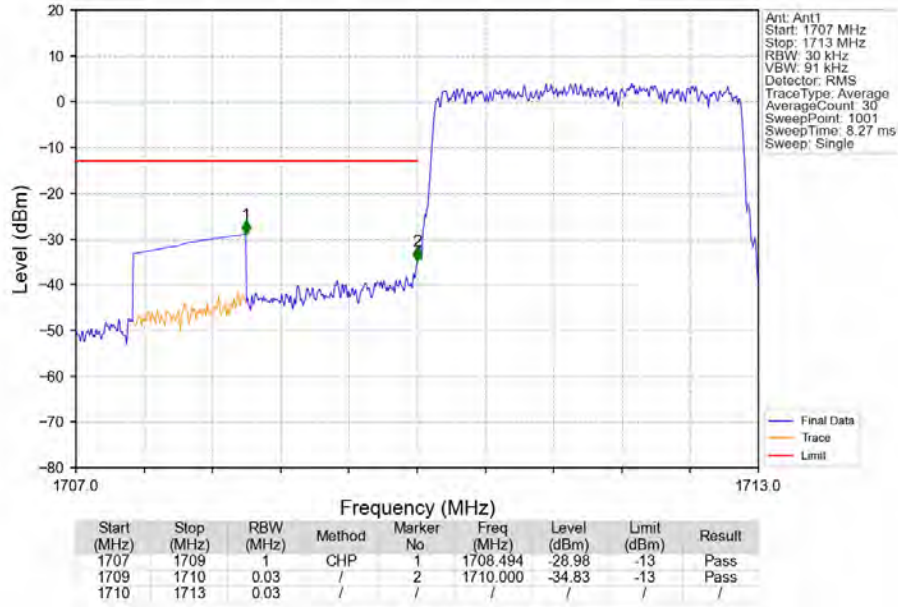
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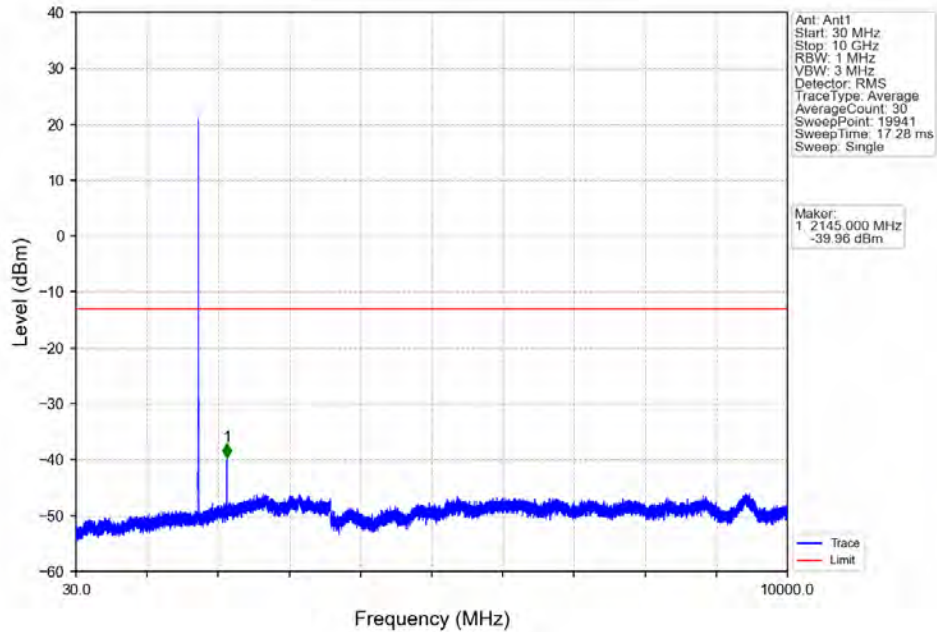
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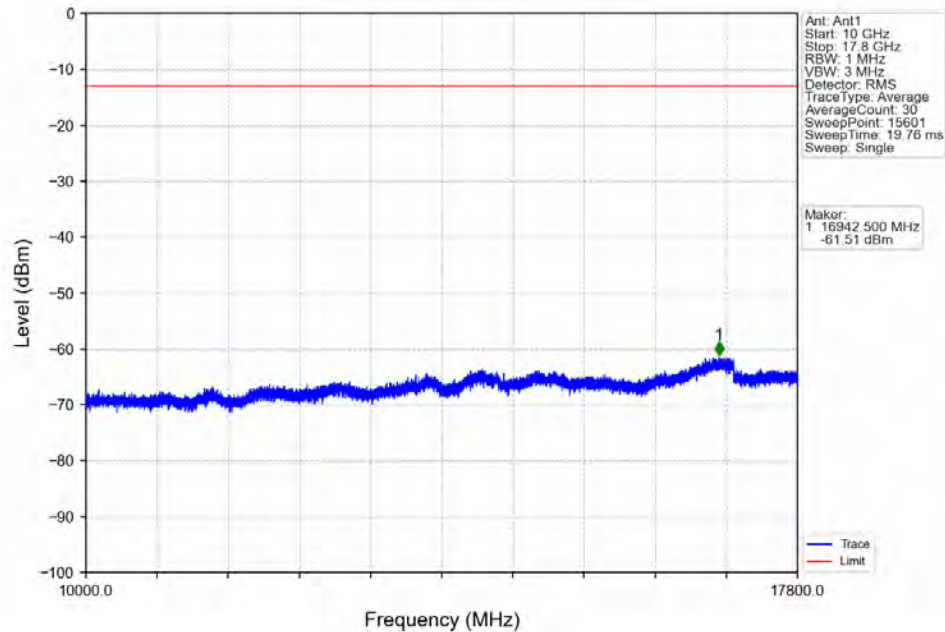
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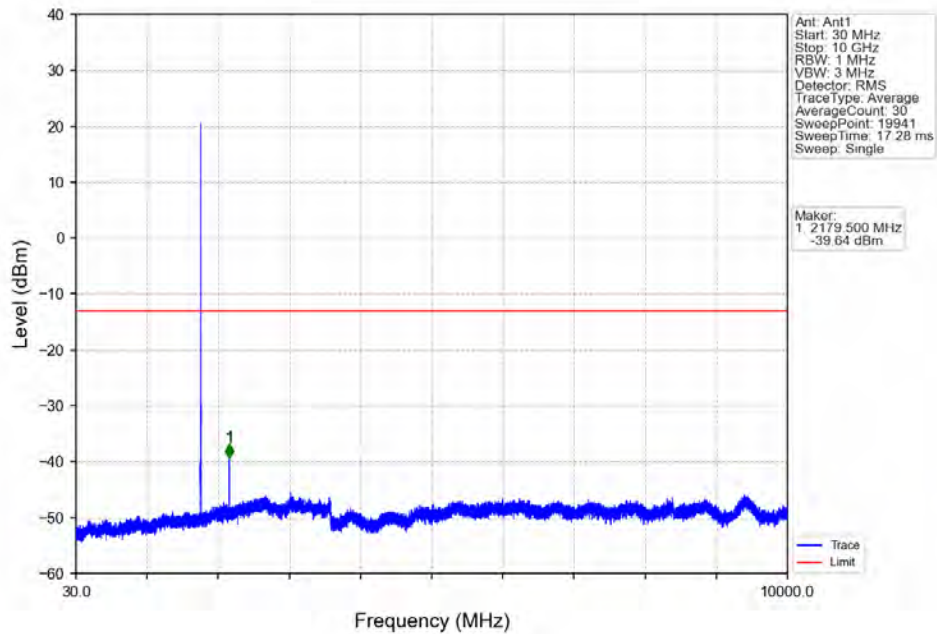
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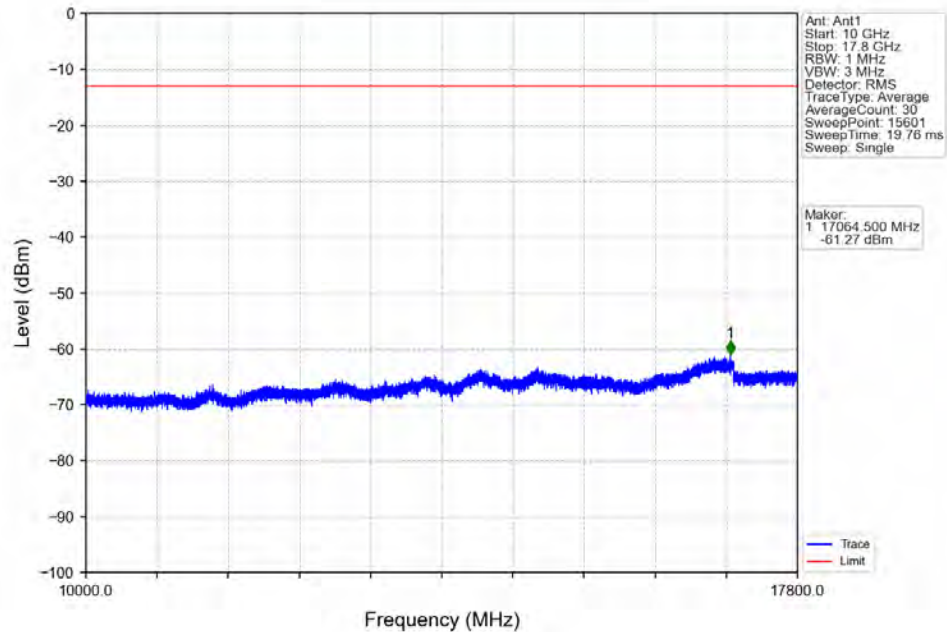
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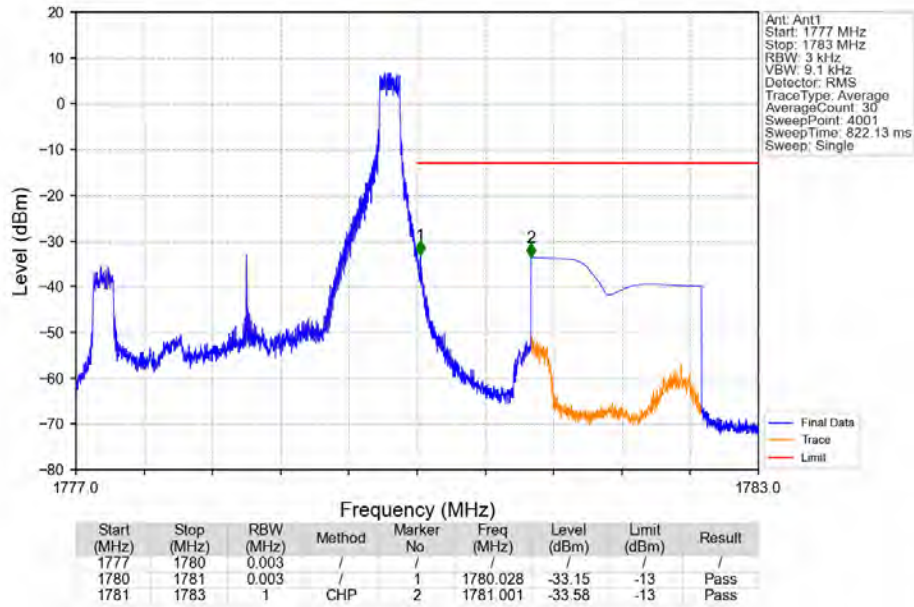
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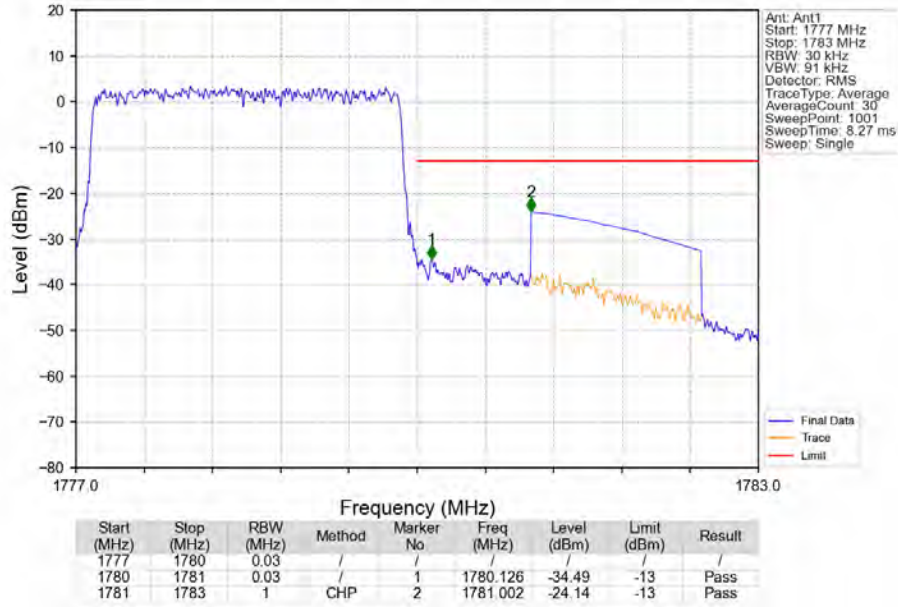
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5.3 B66_5MHz

5.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1777.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1777.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass



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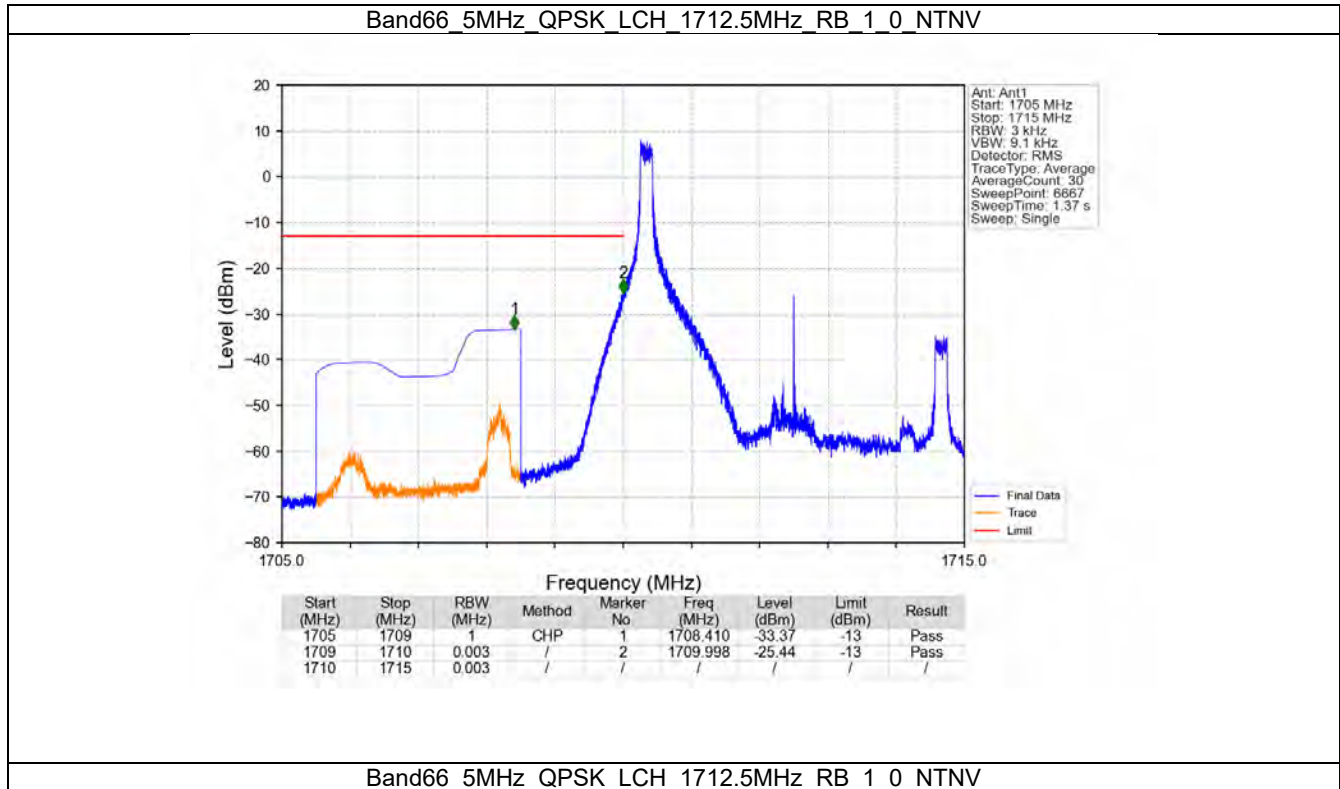
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5.3.2 Test Graph



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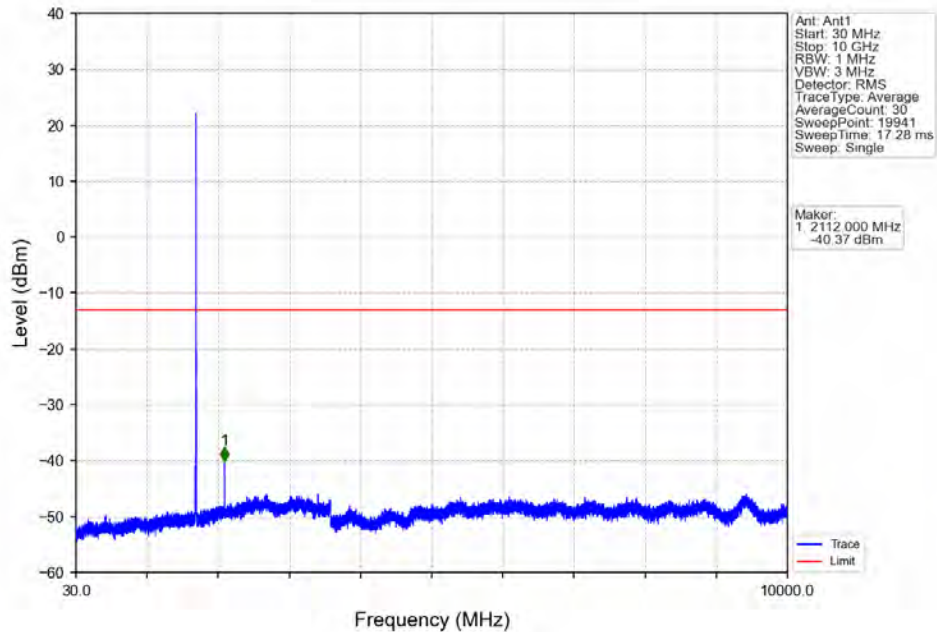
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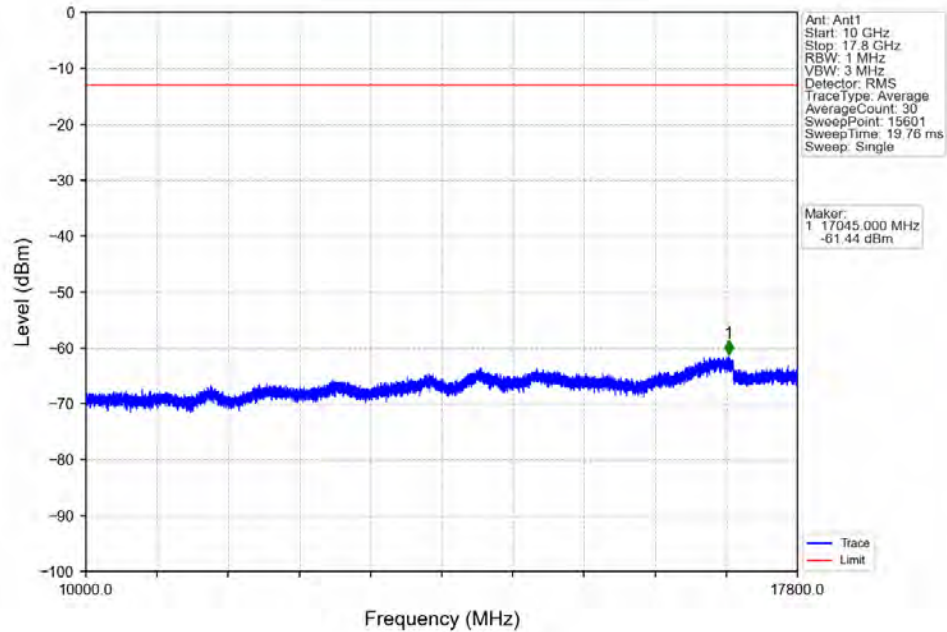
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Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



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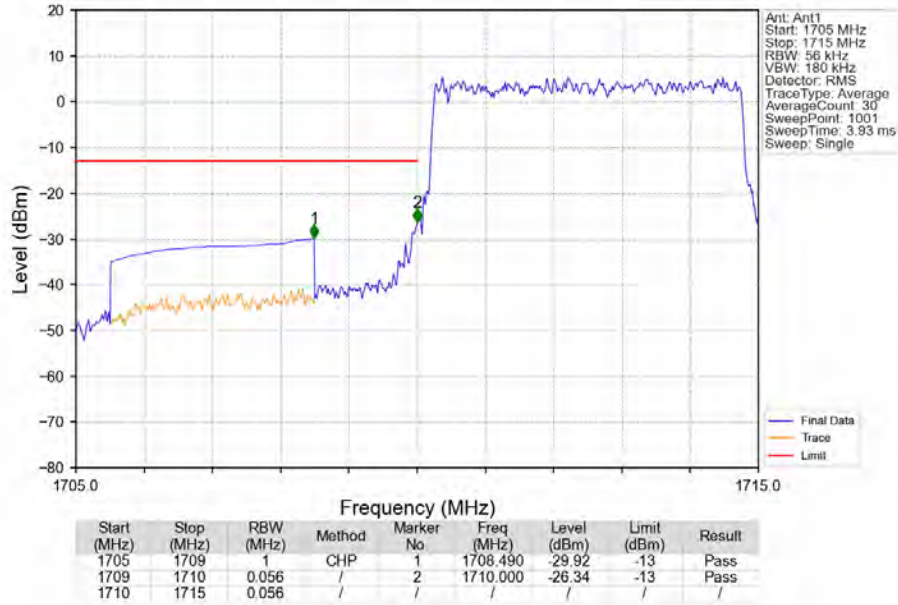
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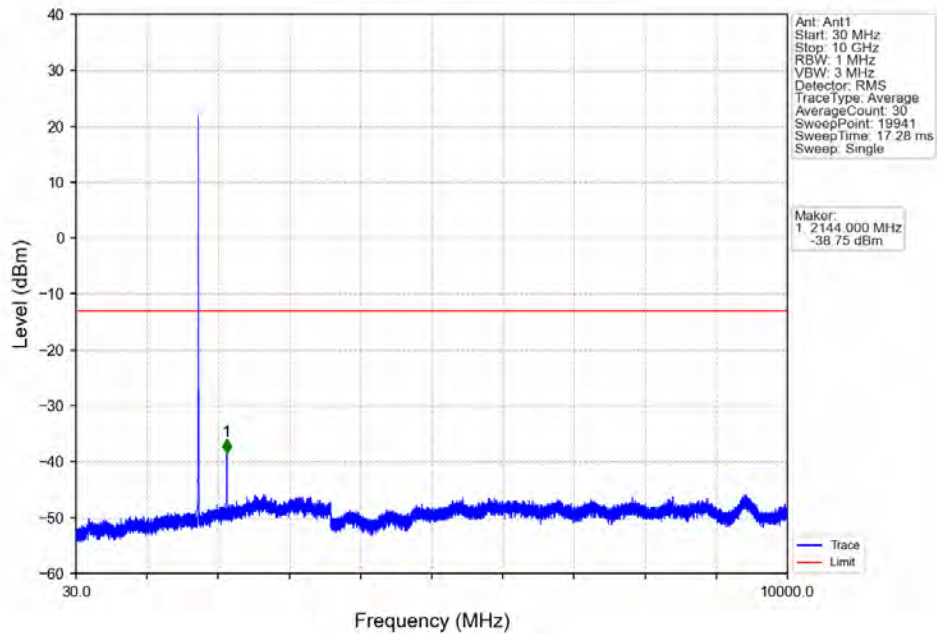
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Band66_5MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



Band66_5MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



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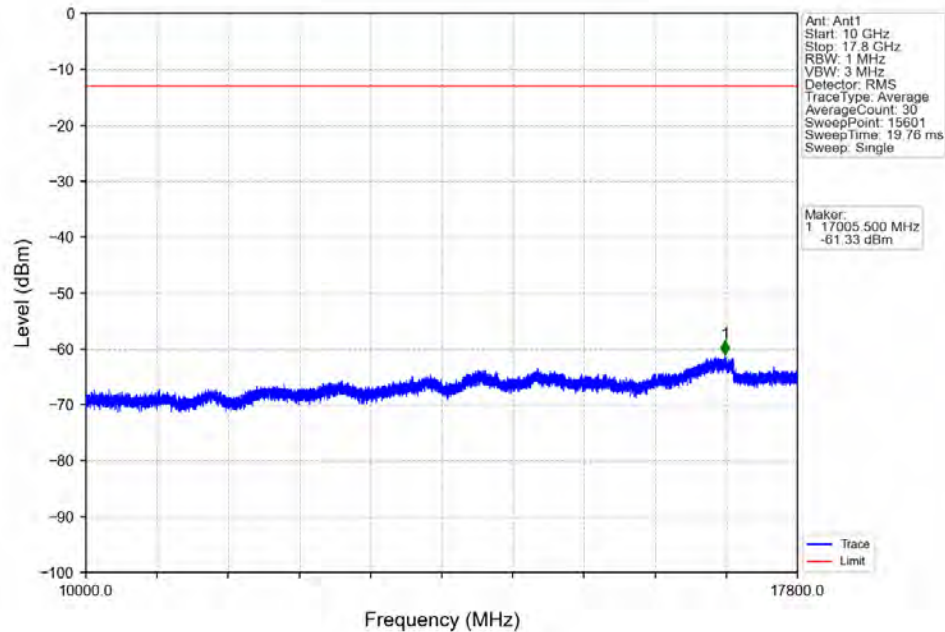
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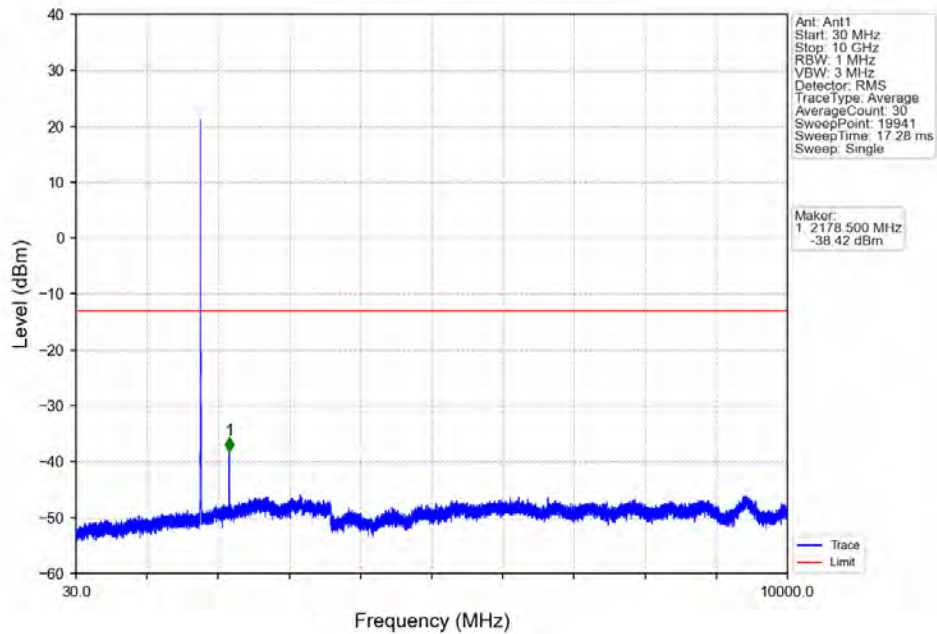
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Band66_5MHz_QPSK_HCH_1777.5MHz_RB_1_0_NTNV



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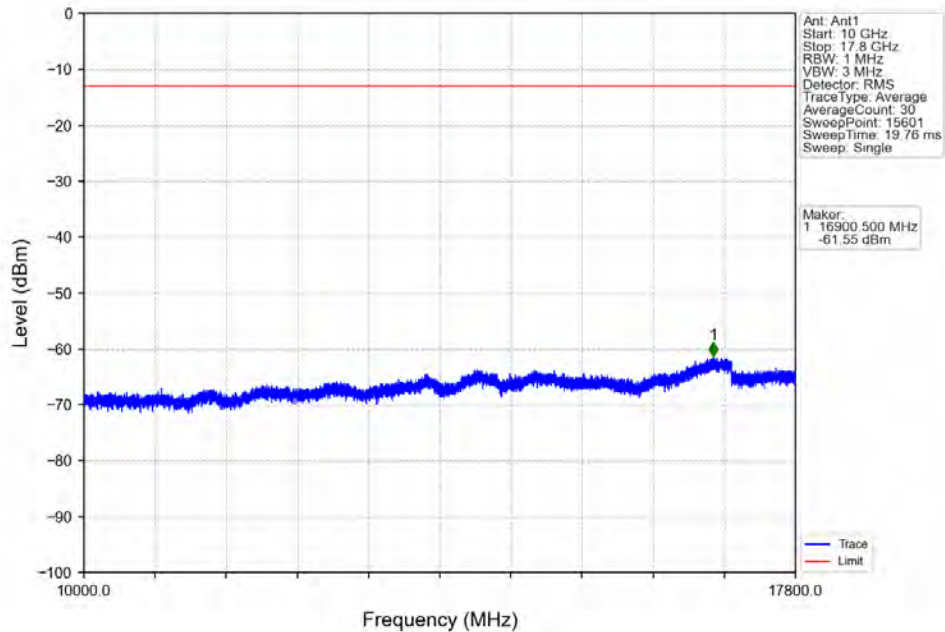
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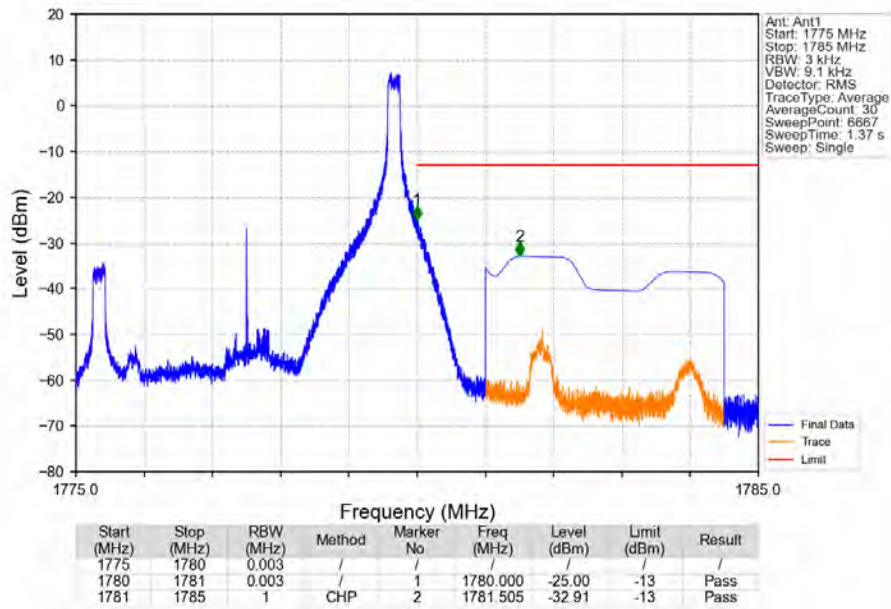
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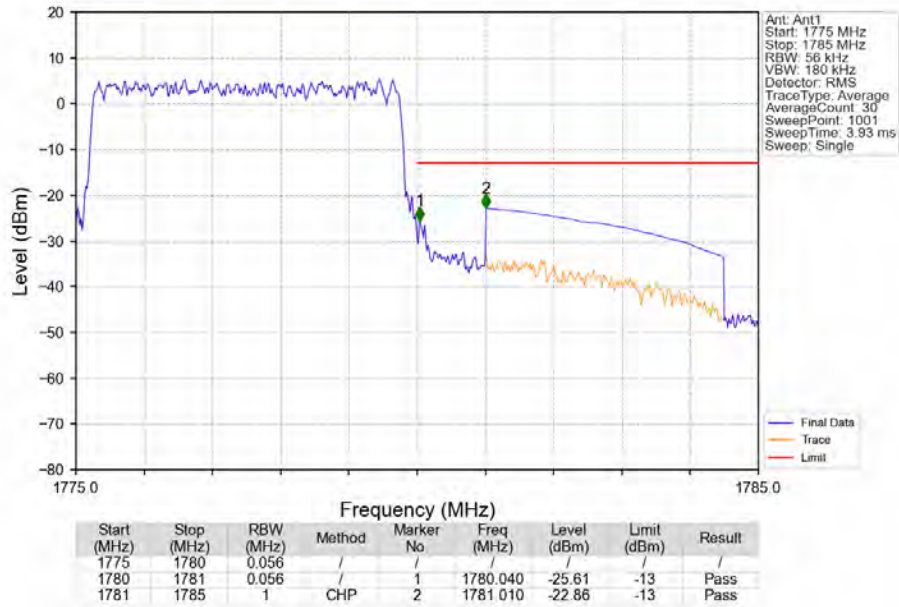
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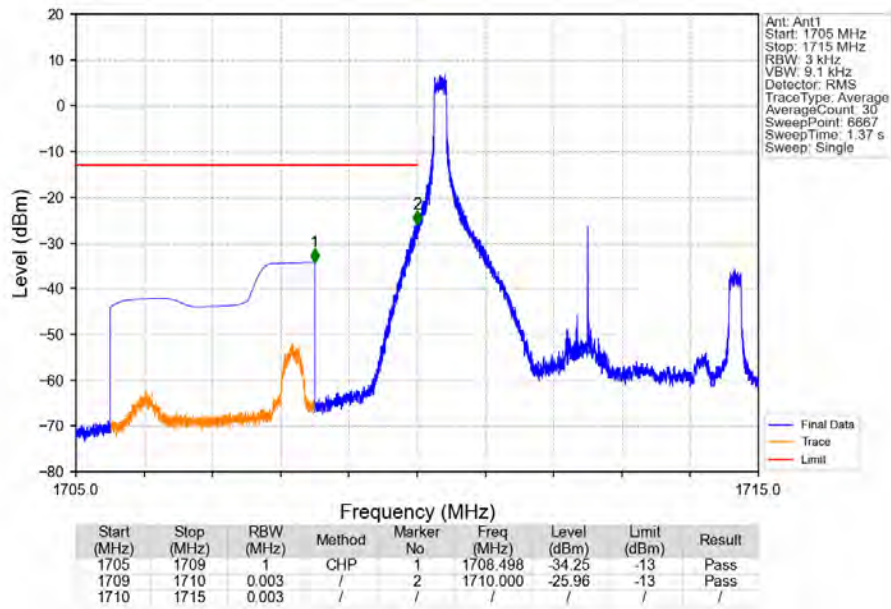
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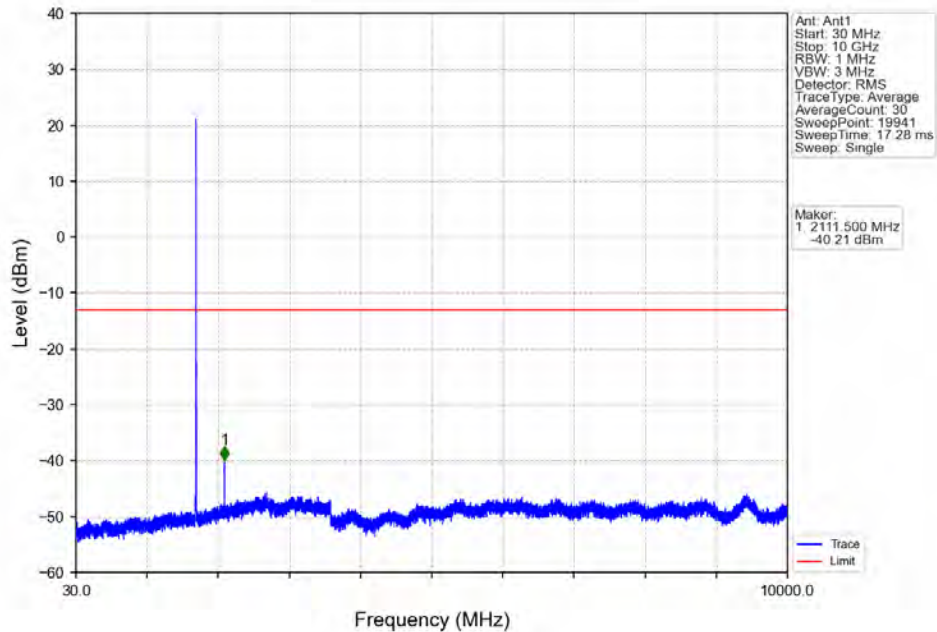
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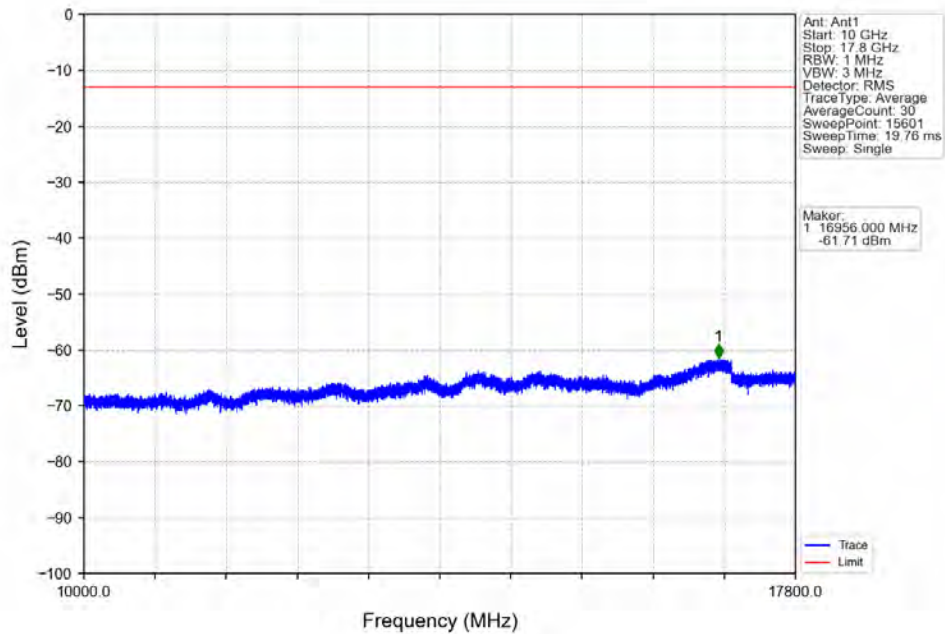
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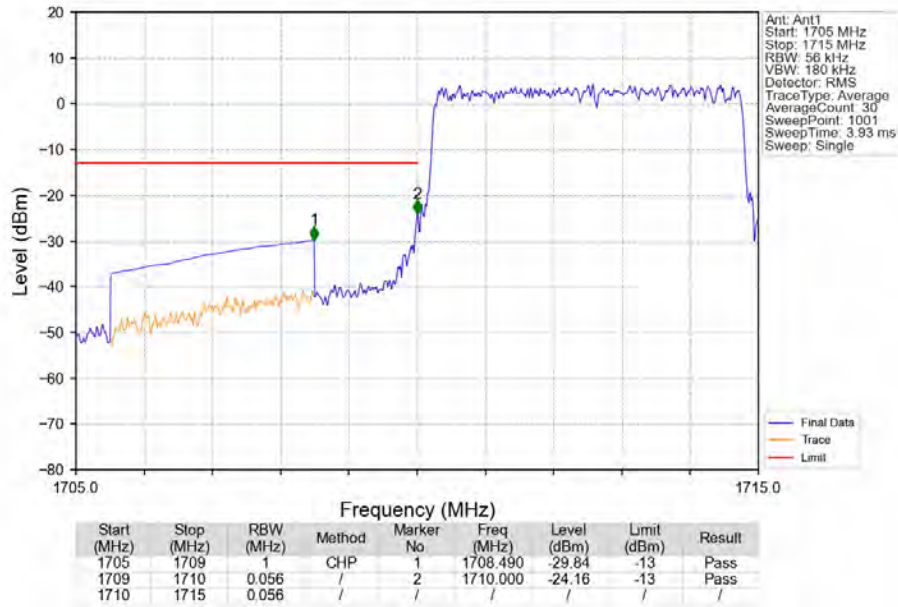
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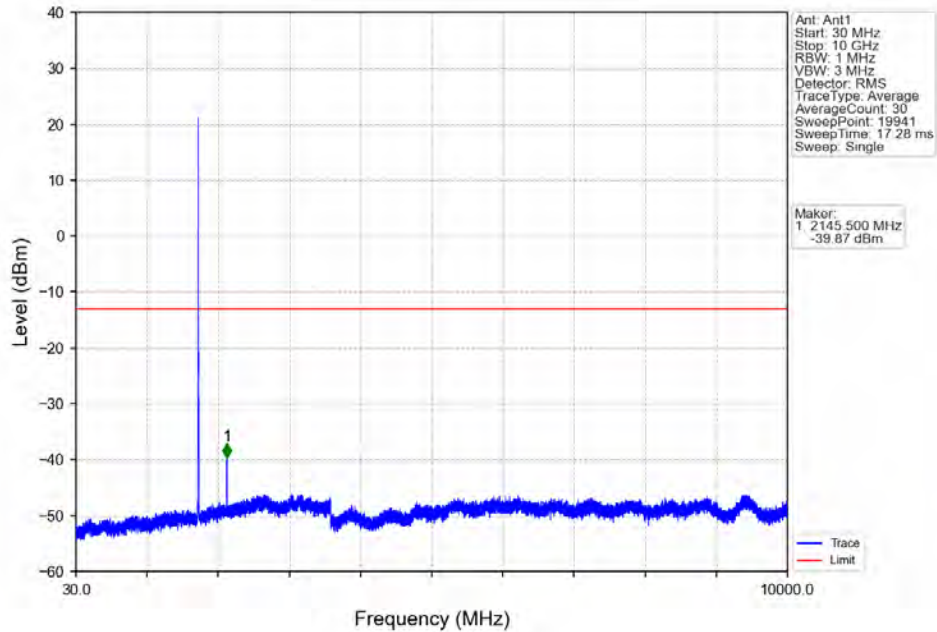
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Band66_5MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



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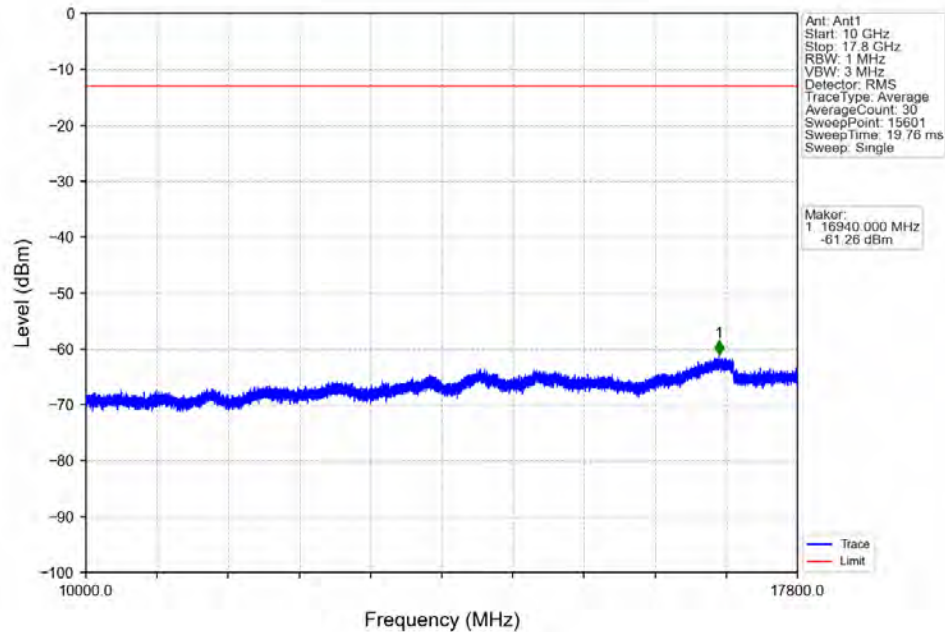
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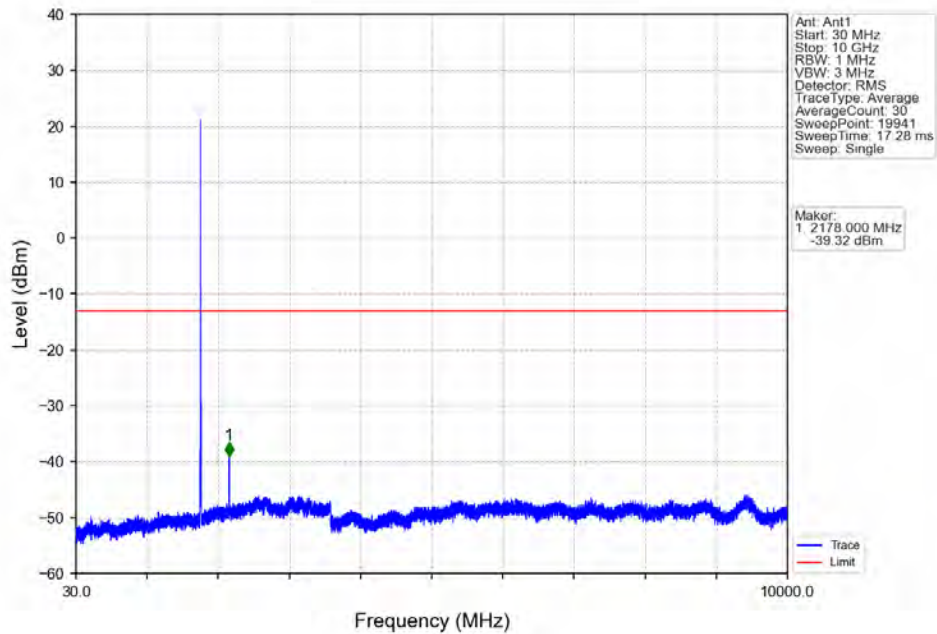
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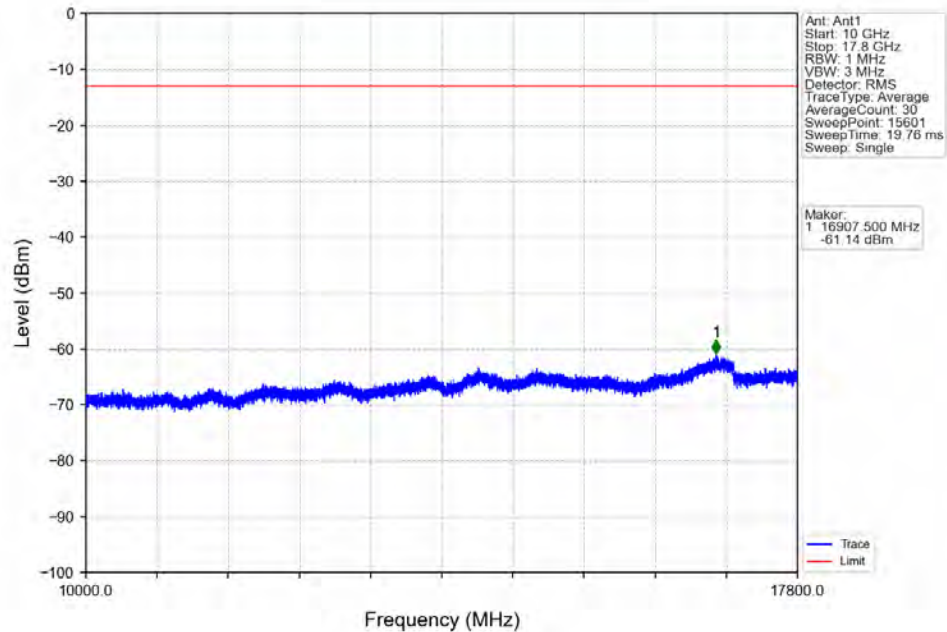
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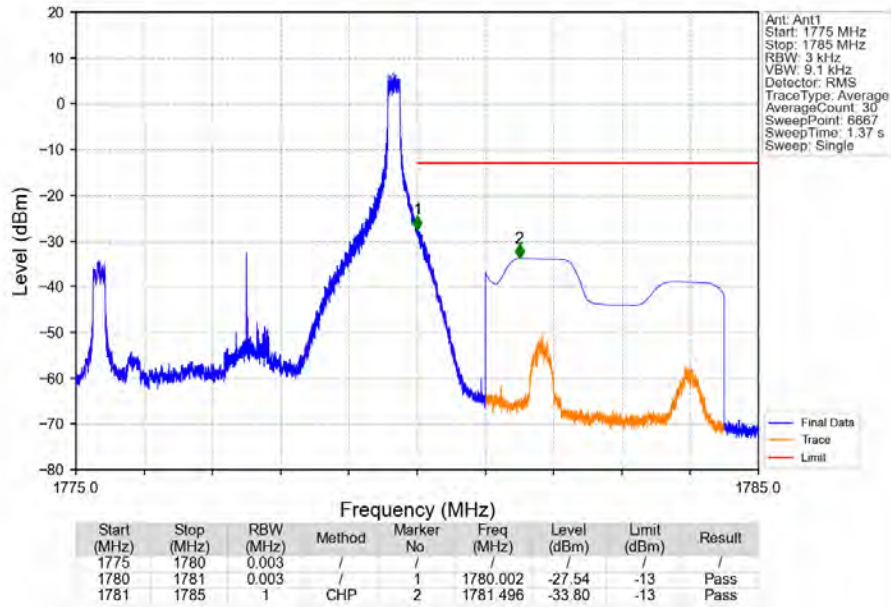
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Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



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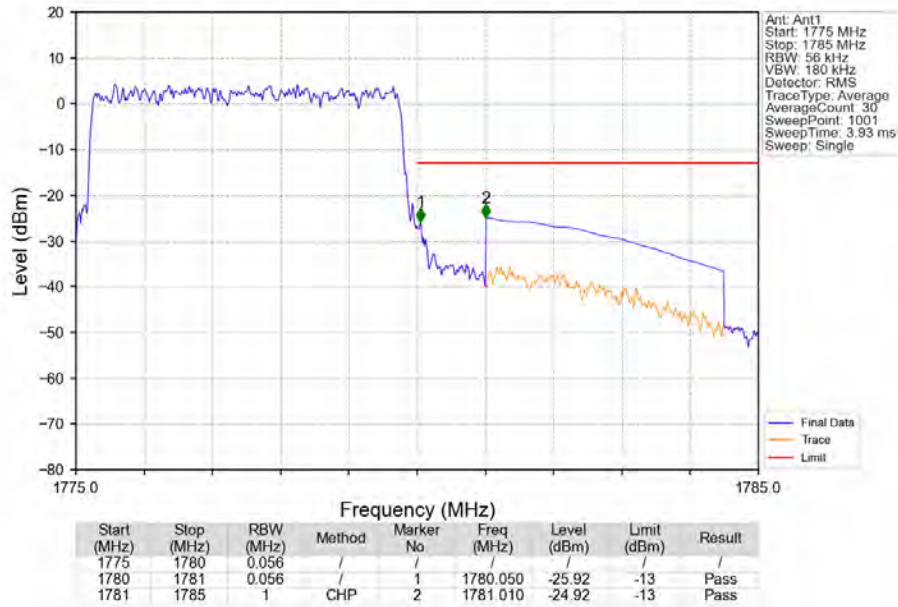
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5.4 B66_10MHz

5.4.1 Test Result

Band: 66 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1775	1	0	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
	1745	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1775	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass



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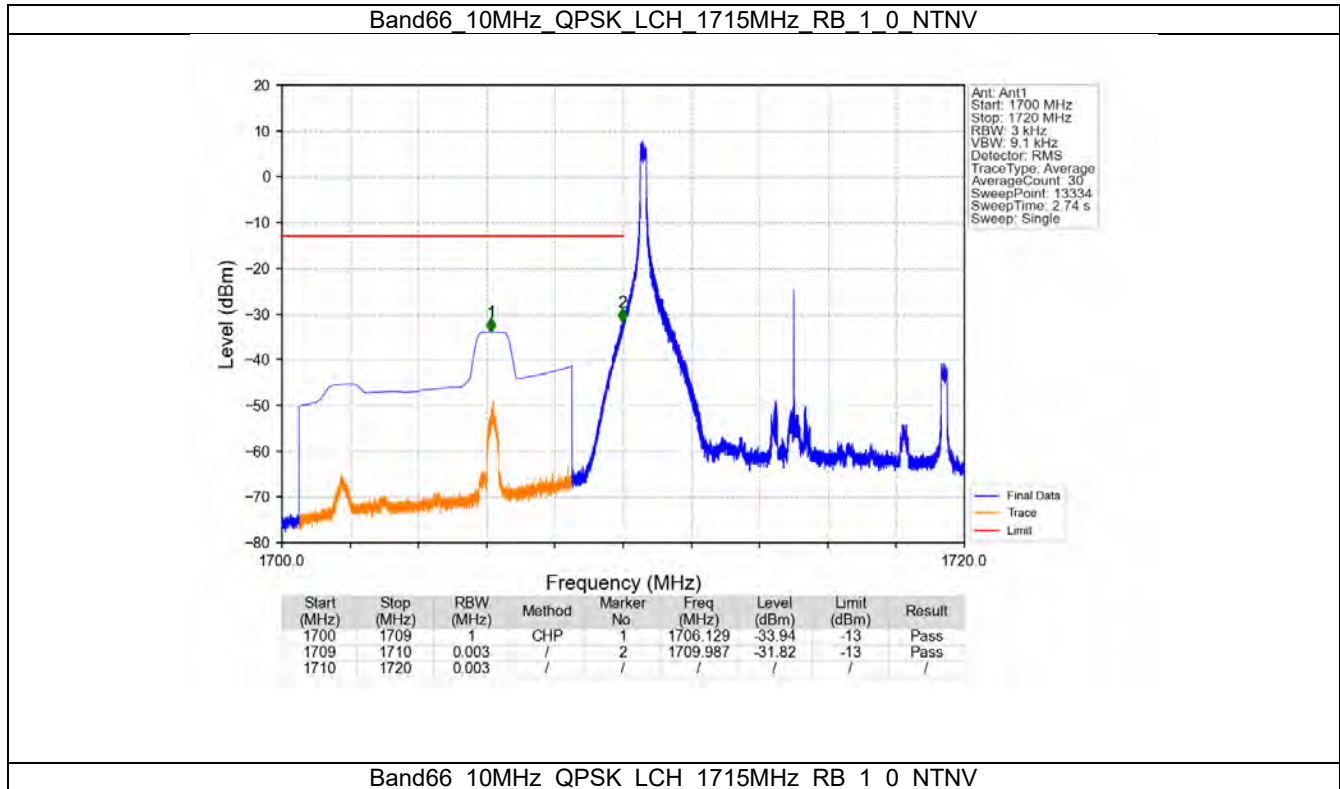
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5.4.2 Test Graph



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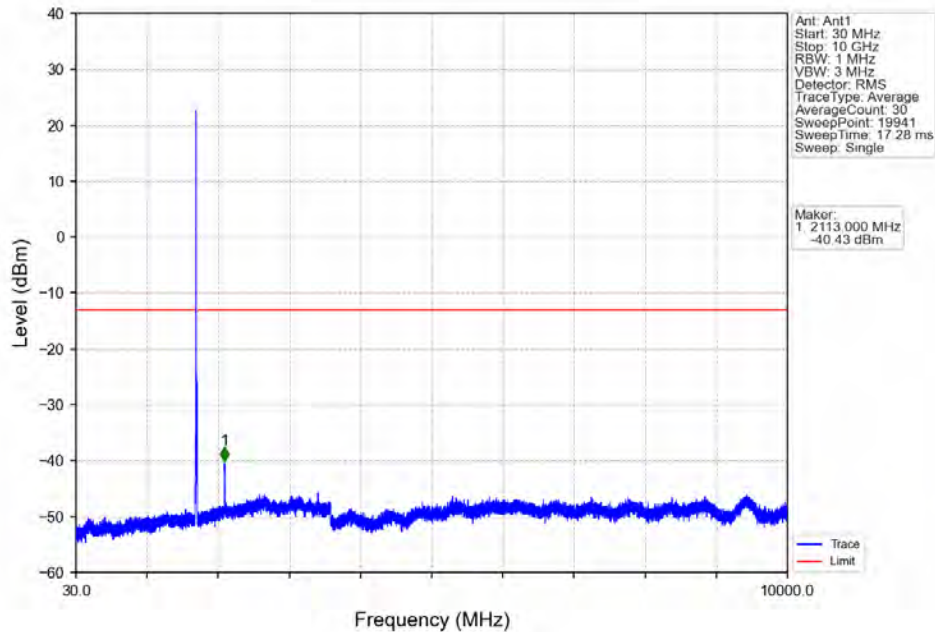
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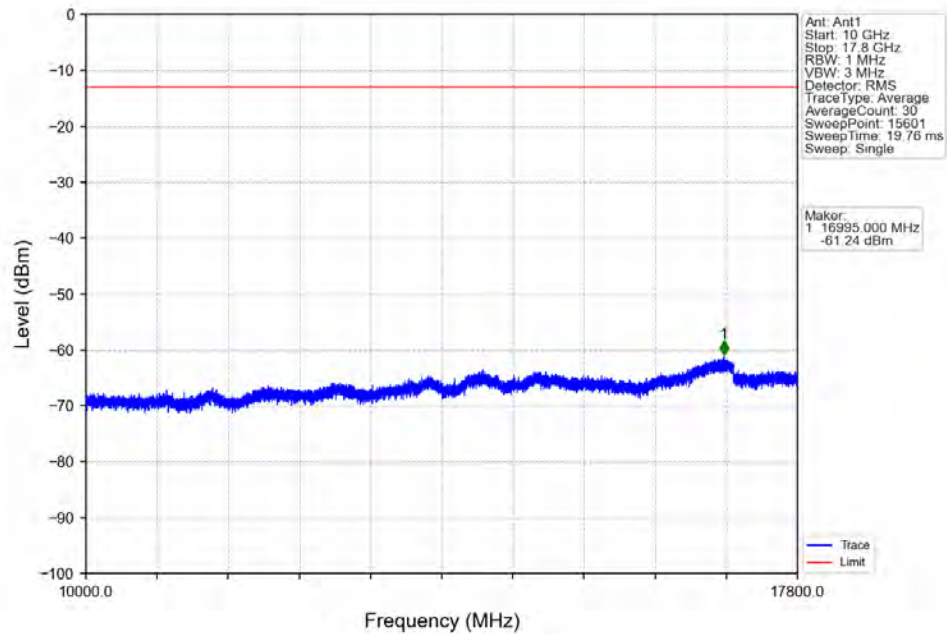
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Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



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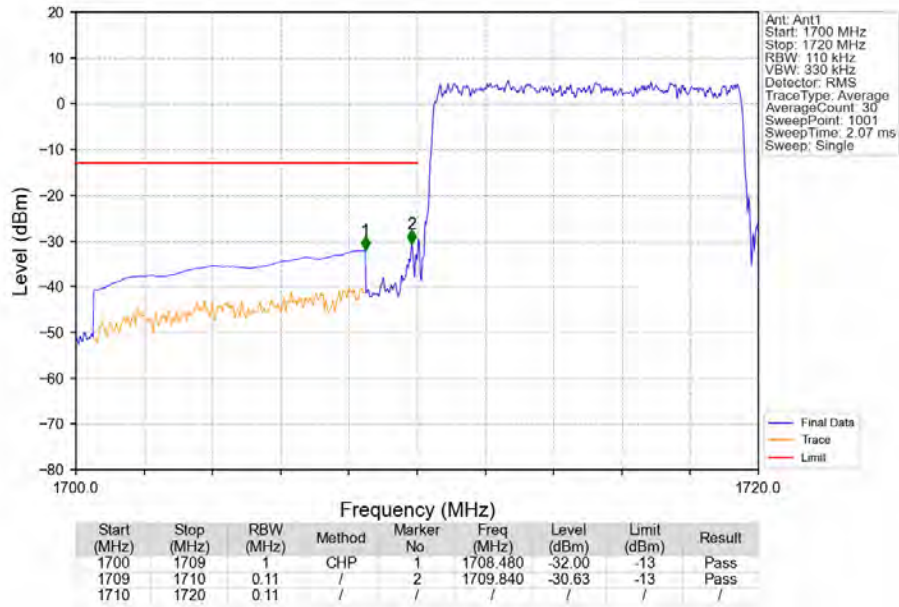
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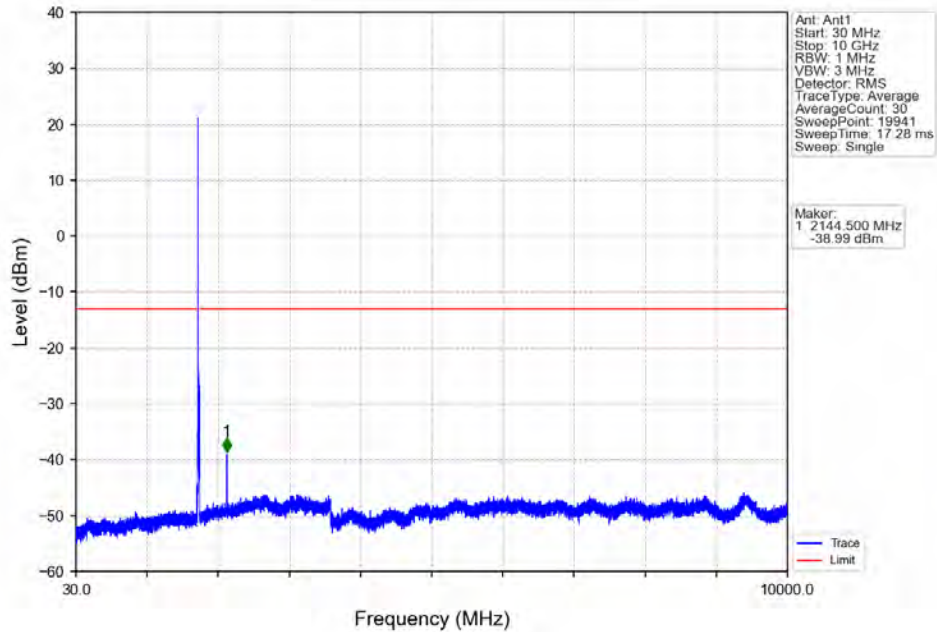
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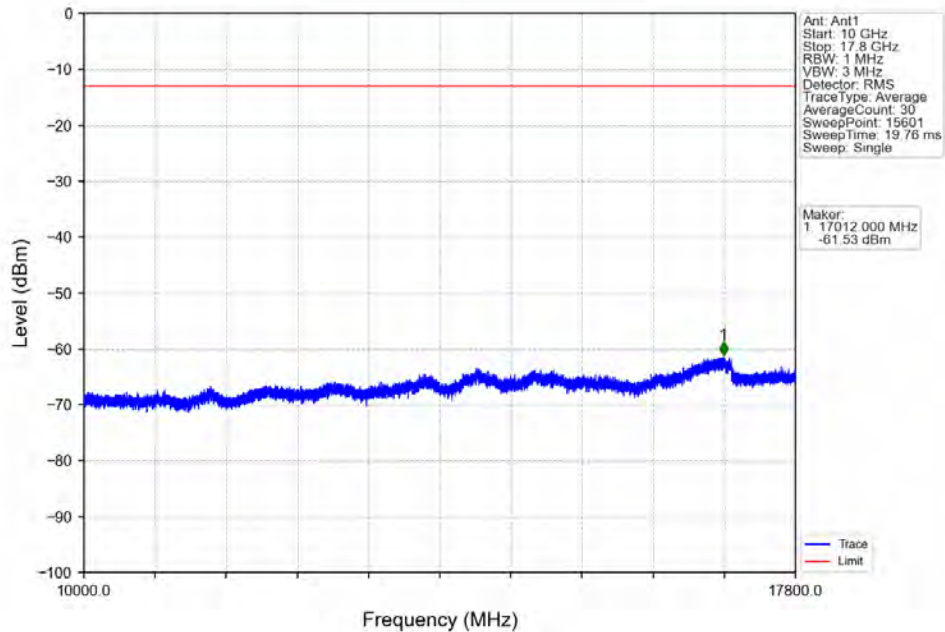
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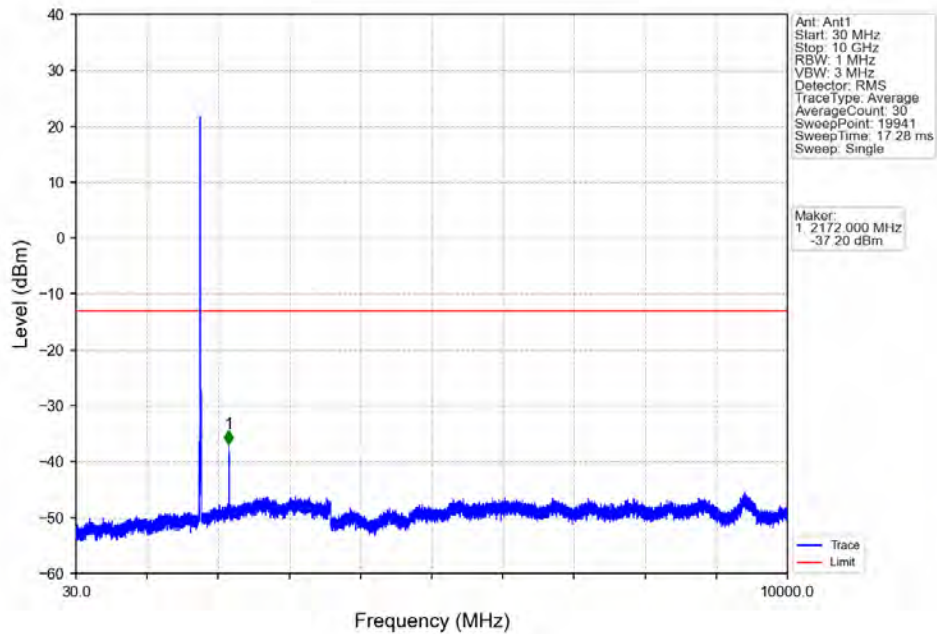
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Band66_10MHz_QPSK_HCH_1775MHz_RB_1_0_NTNV



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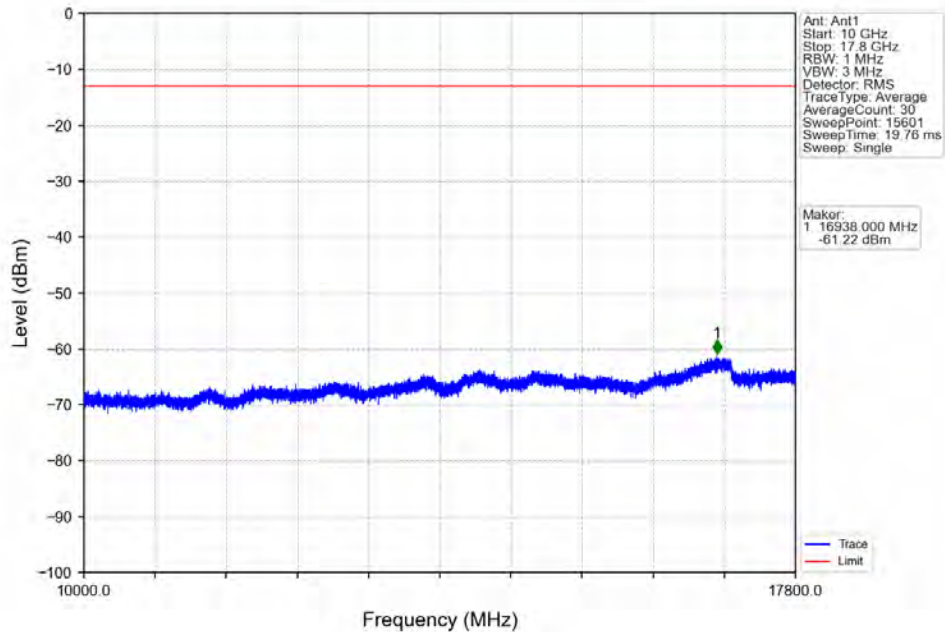
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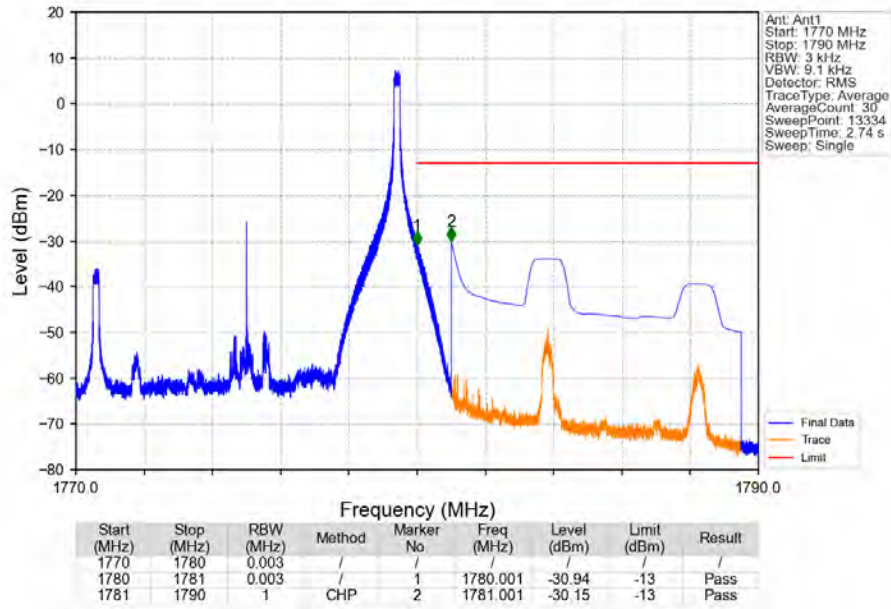
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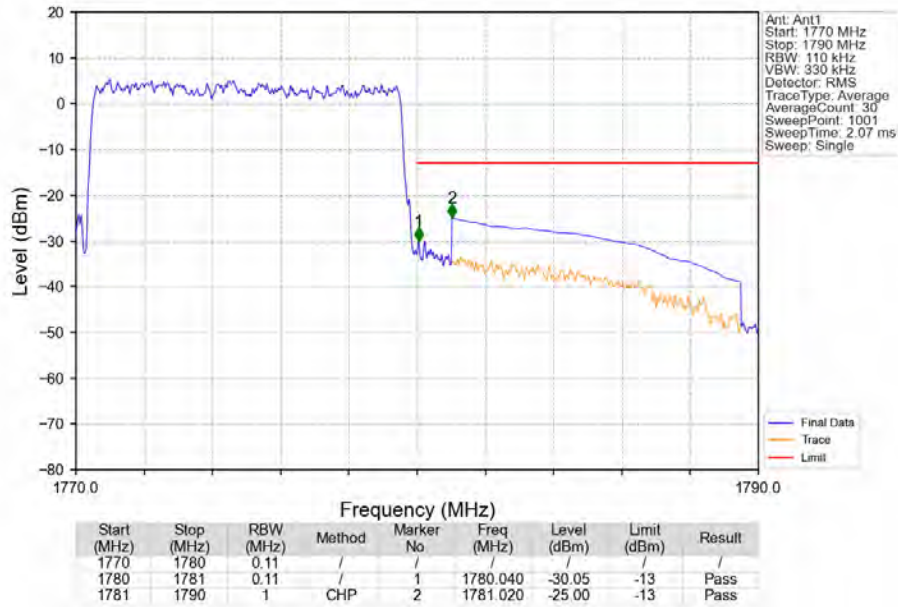
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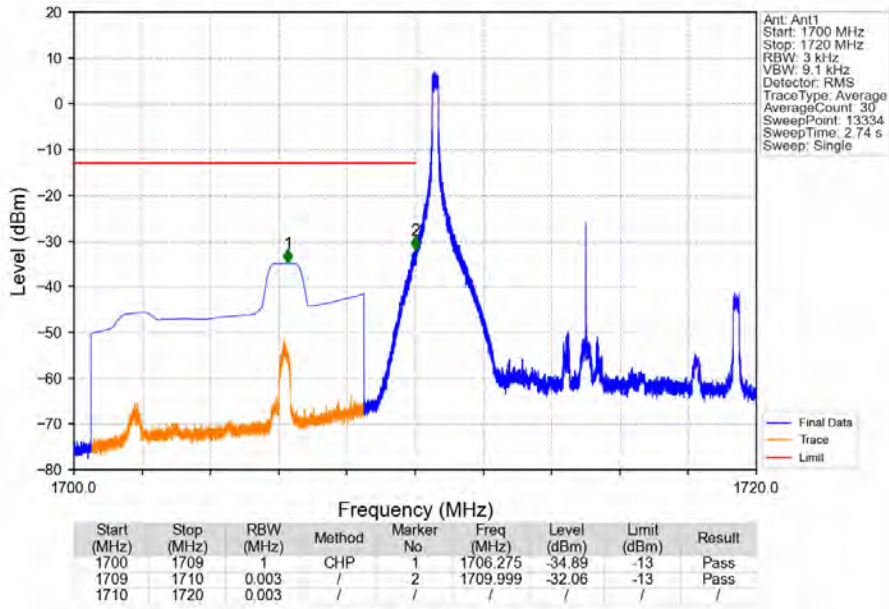
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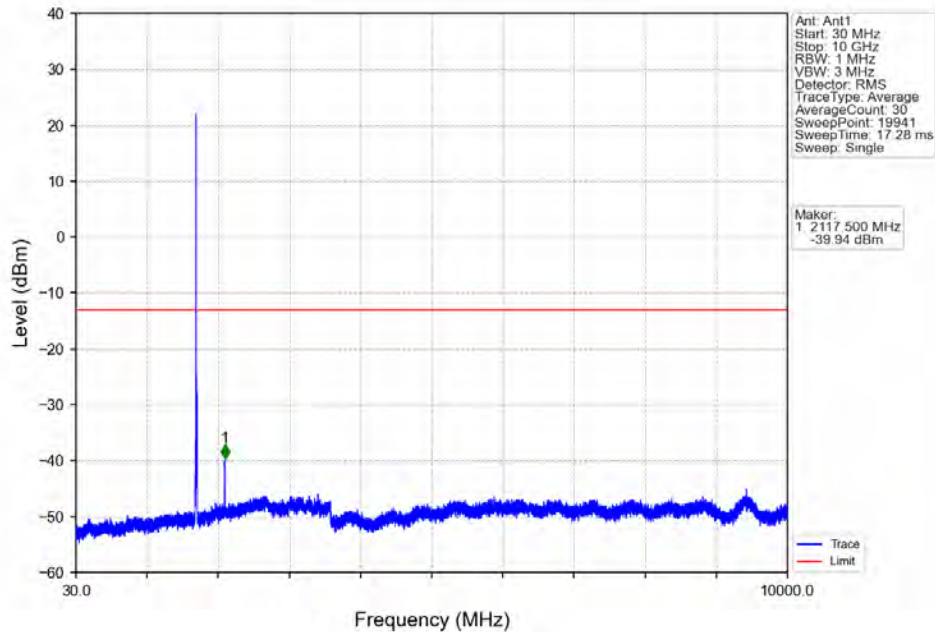
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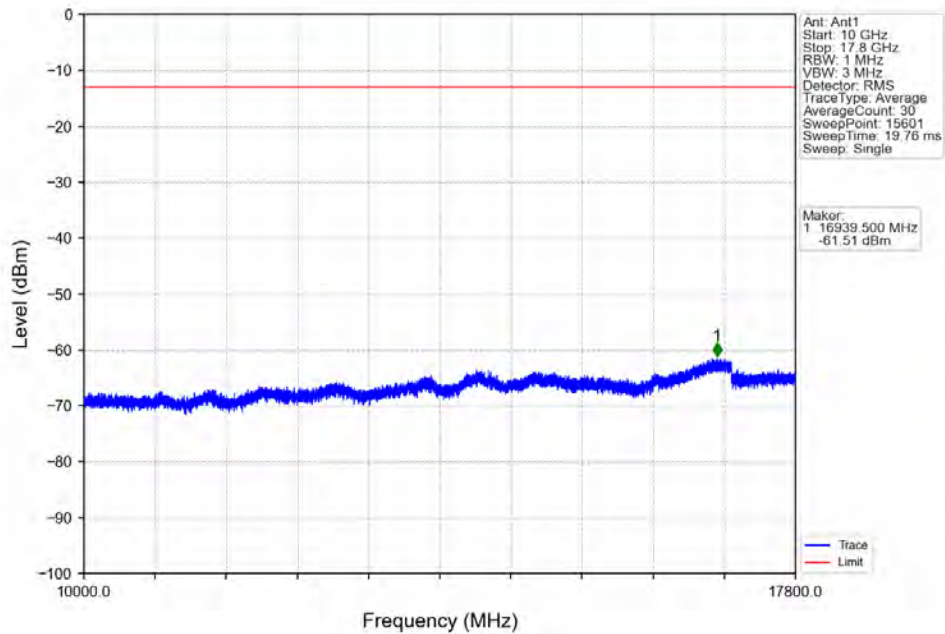
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Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



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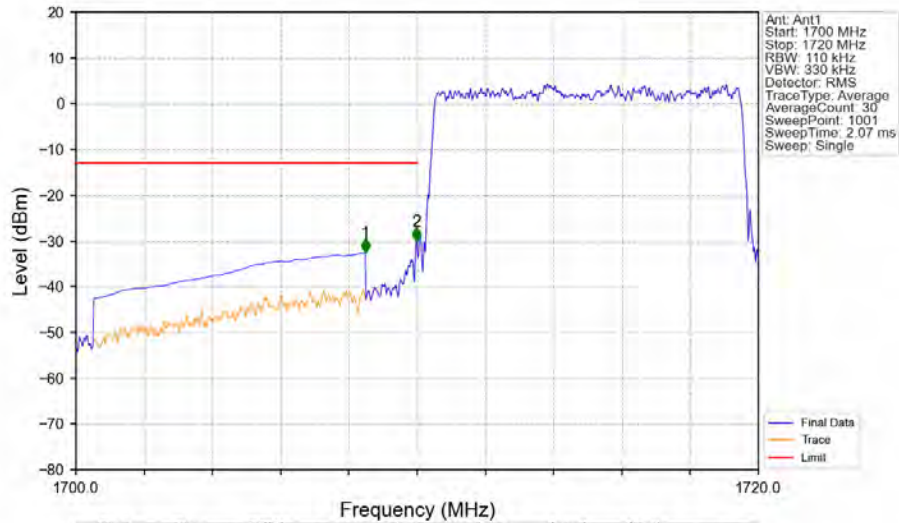
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	0.11	CHP	1	1708.480	-32.61	-13	Pass
1709	1710	0.11	/	2	1709.980	-30.16	-13	Pass
1710	1720	0.11	/	/	/	/	/	/



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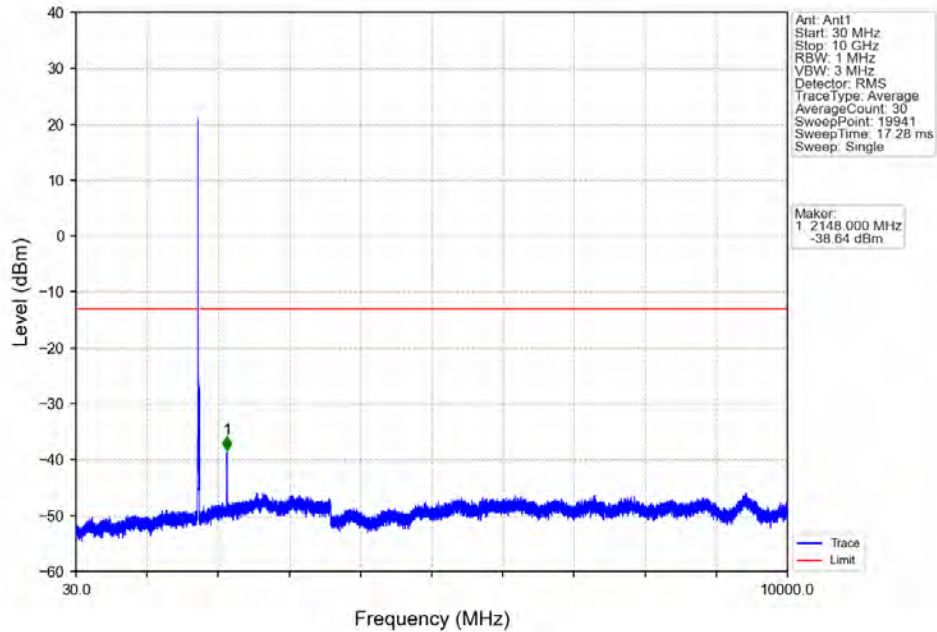
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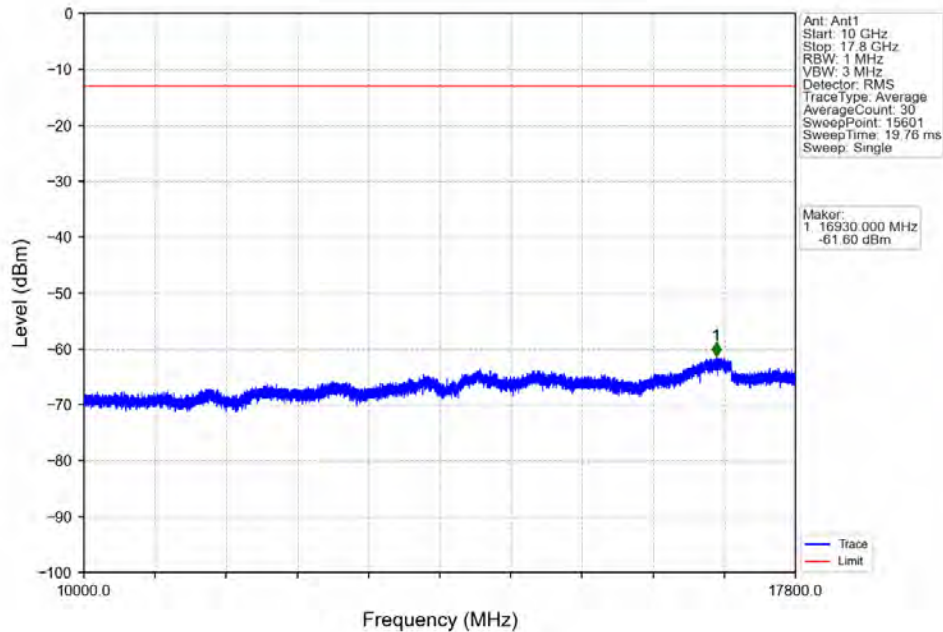
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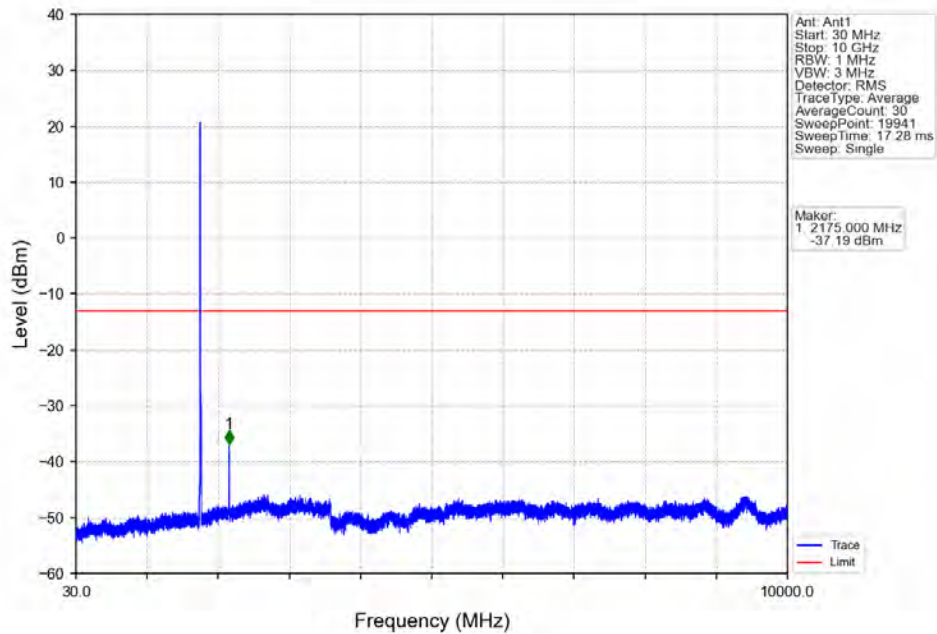
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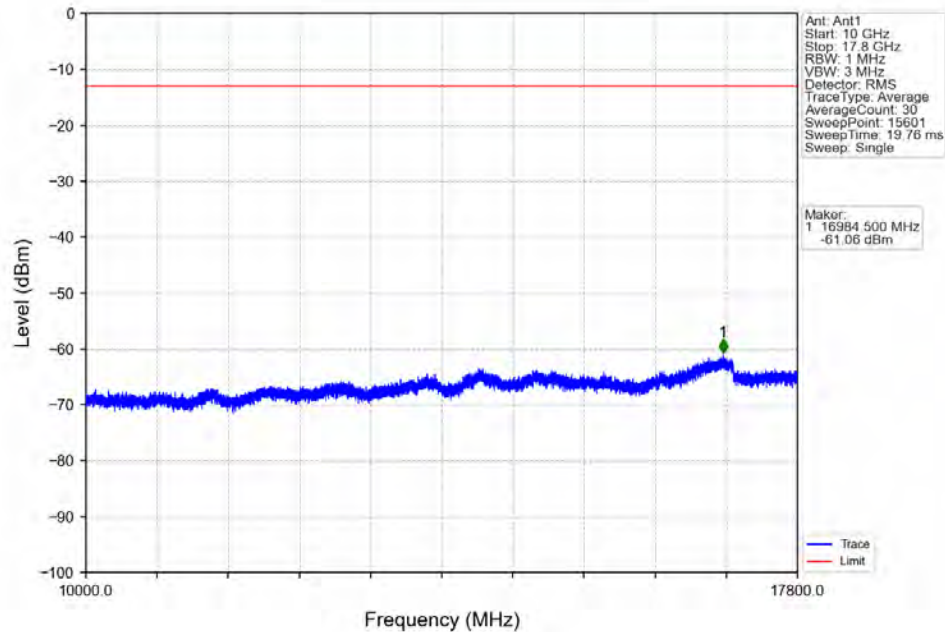
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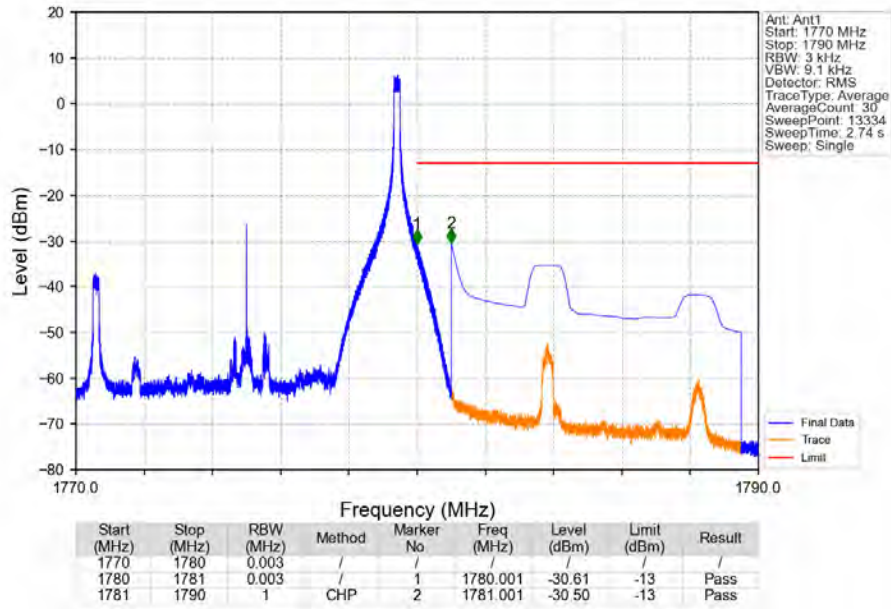
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Band66 10MHz 16QAM HCH 1775MHz RB 1 49 NTN



Band66 10MHz 16QAM HCH 1775MHz RB 50 0 NTN



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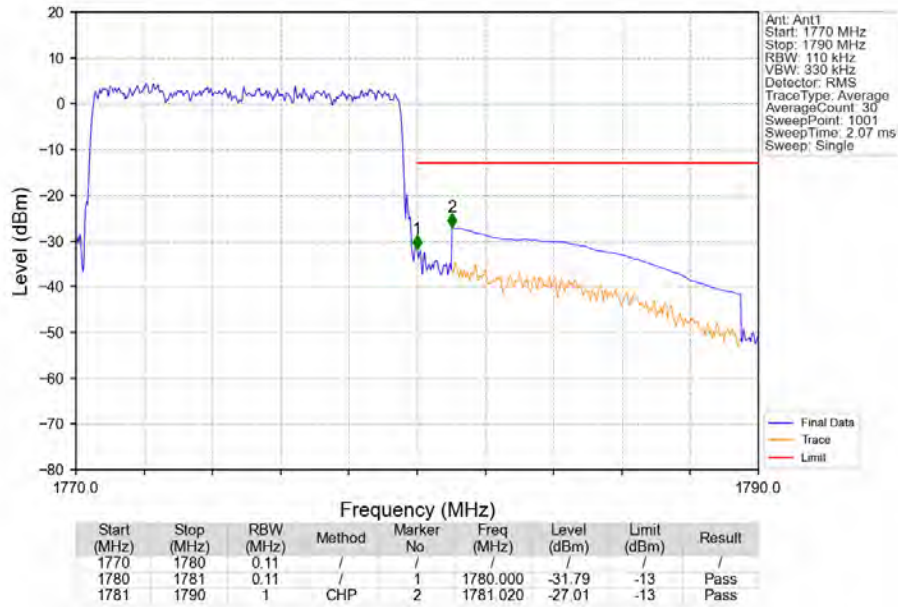
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5.5 B66_15MHz

5.5.1 Test Result

Band: 66 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1772.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1772.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass



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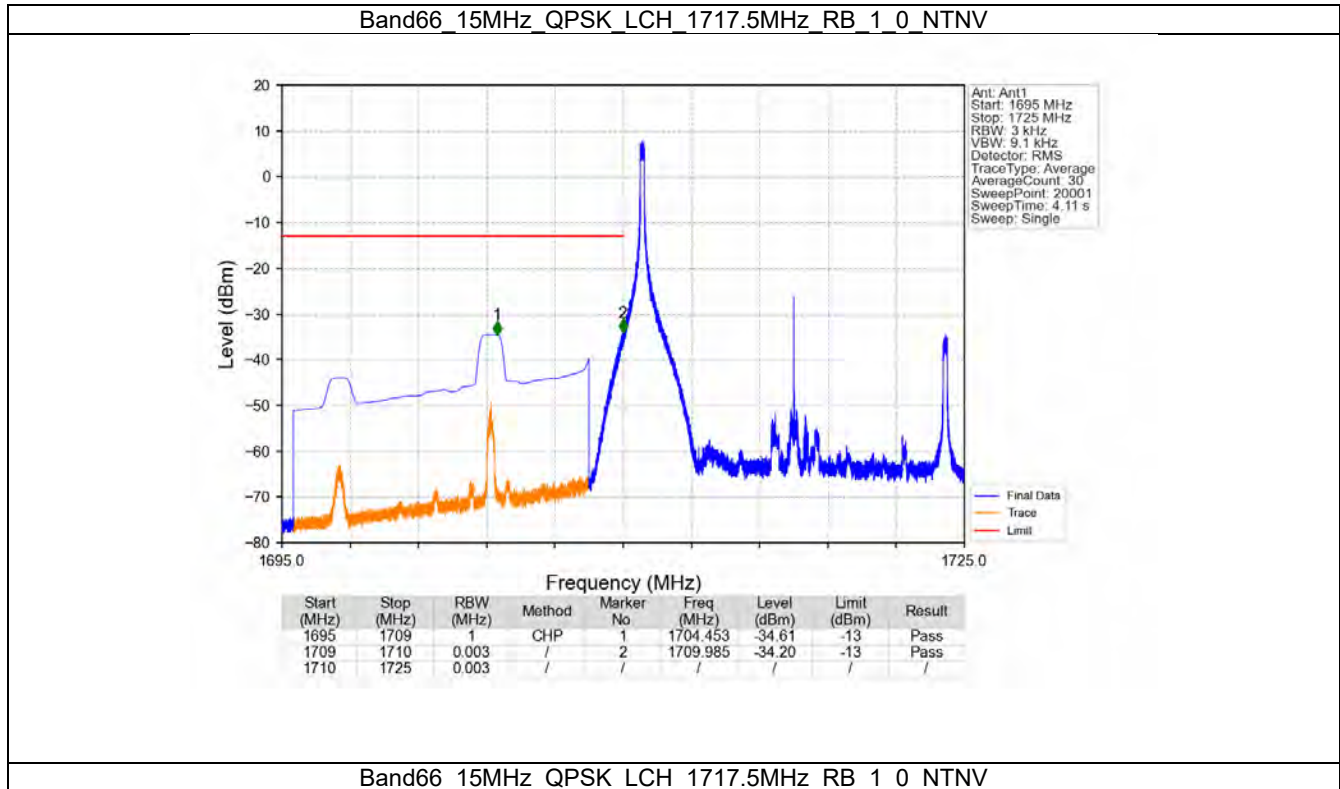
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5.5.2 Test Graph



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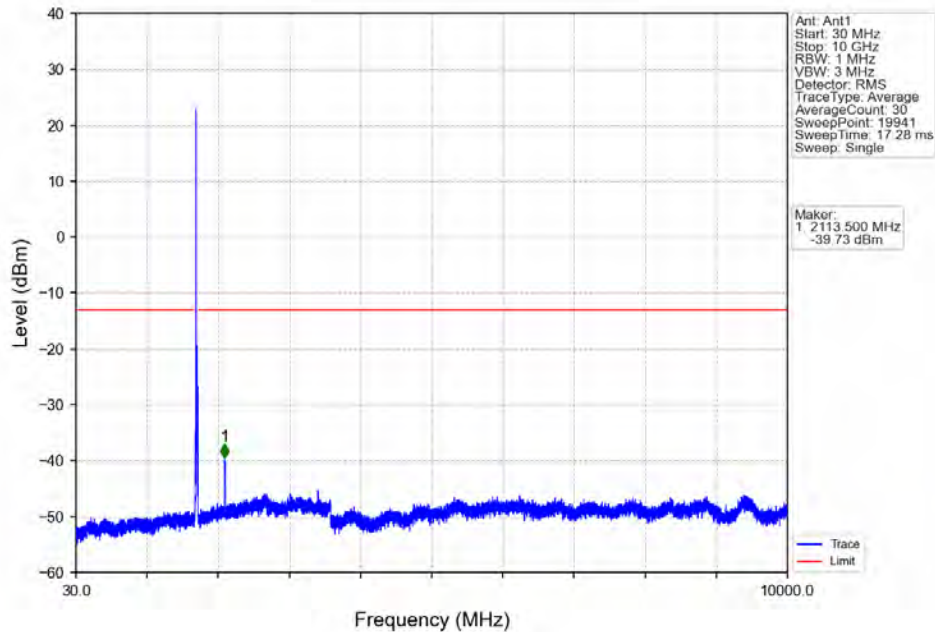
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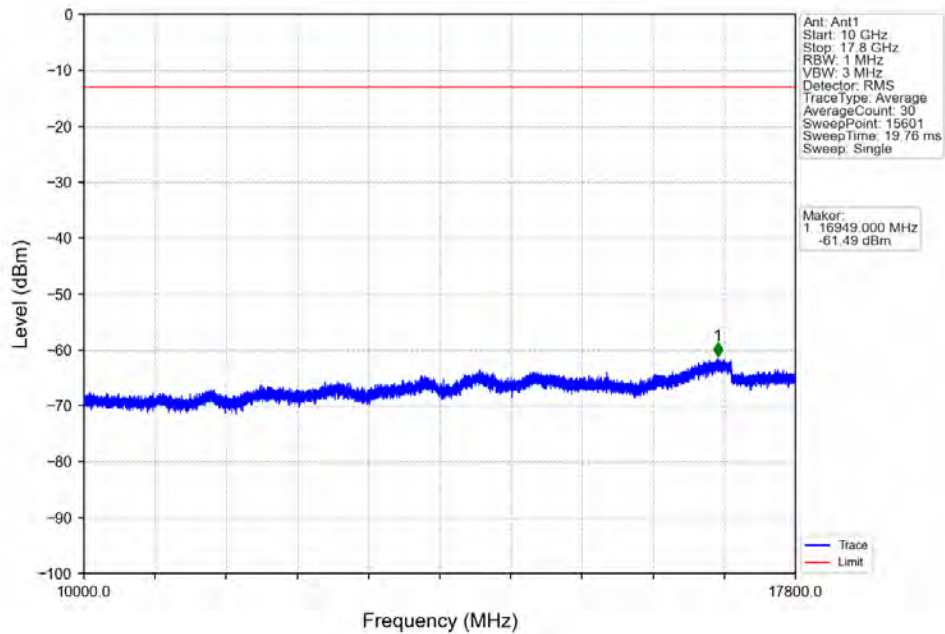
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Band66_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



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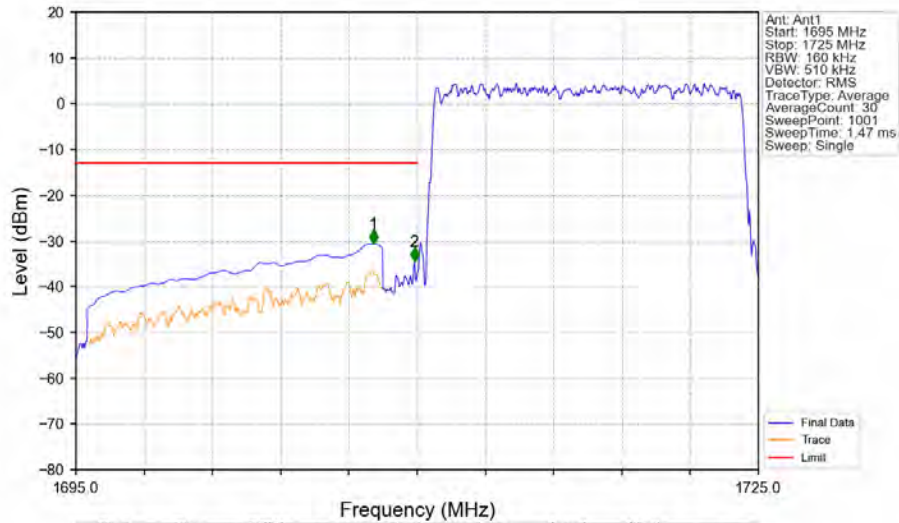
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	0.16	CHP	1	1708.080	-30.68	-13	Pass
1709	1710	/	/	2	1709.880	-34.54	-13	Pass
1710	1725	0.16	/	/	/	/	/	/



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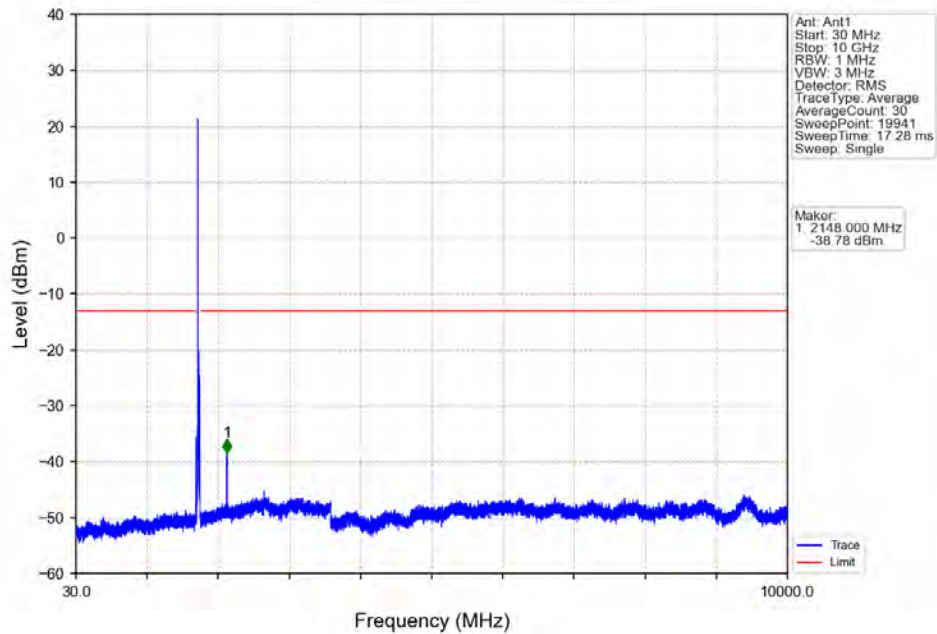
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Band66_15MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



Band66_15MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



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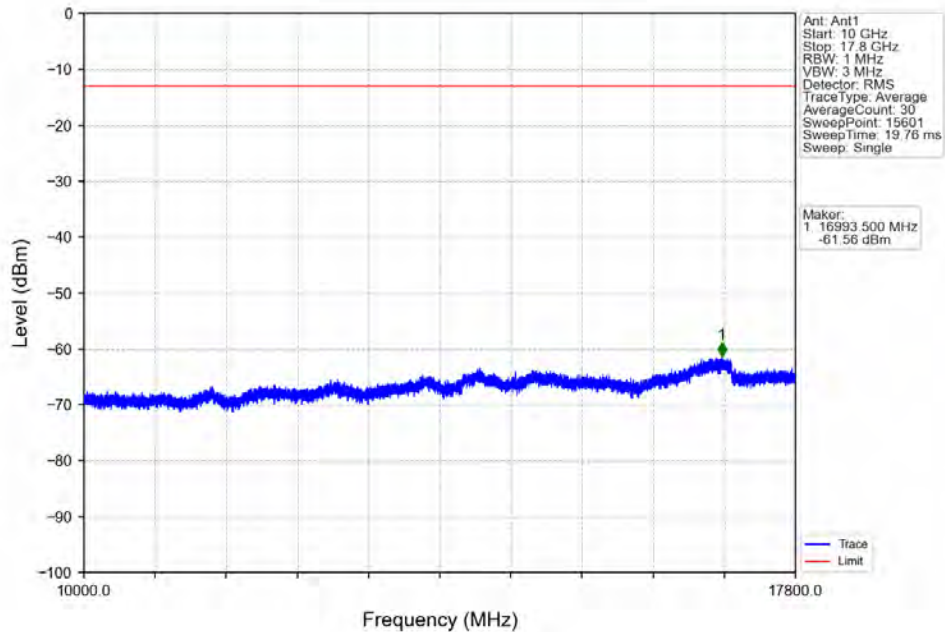
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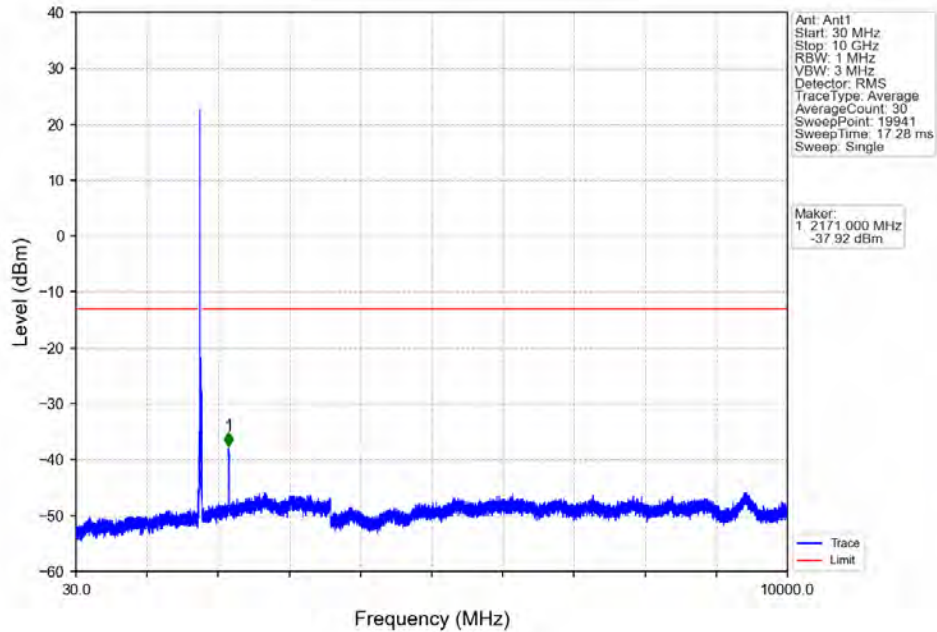
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Band66_15MHz_QPSK_HCH_1772.5MHz_RB_1_0_NTNV



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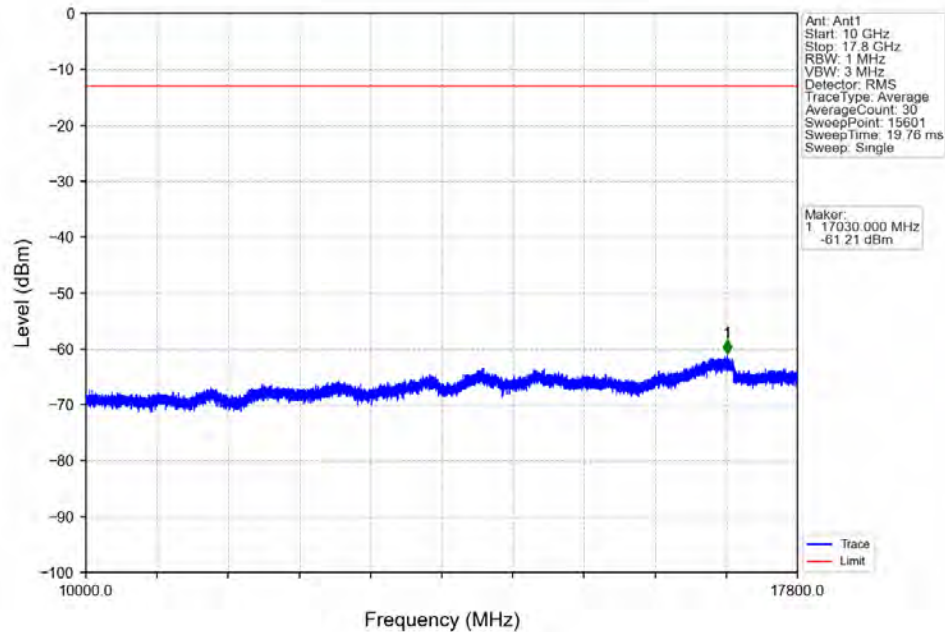
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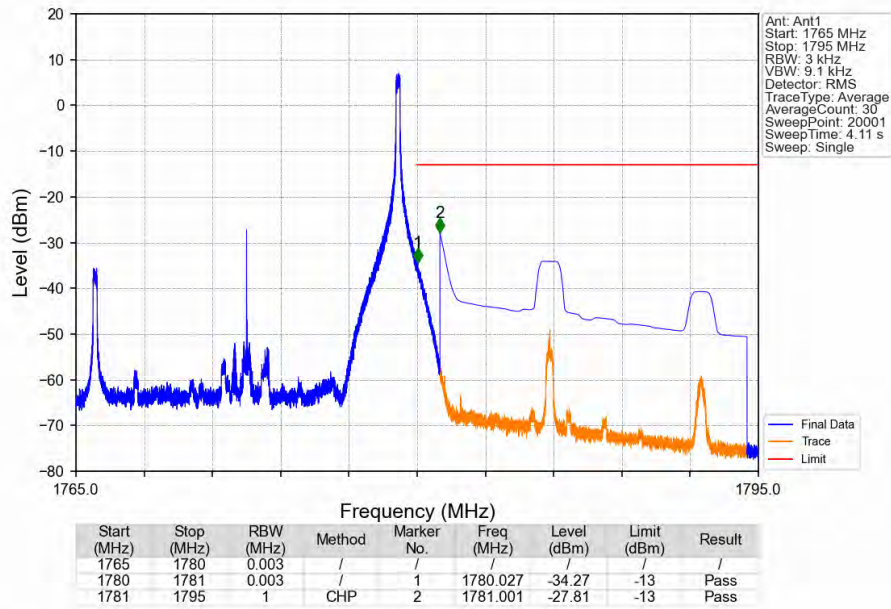
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Band66_15MHz_QPSK_HCH_1772.5MHz_RB_1_74_NTNV



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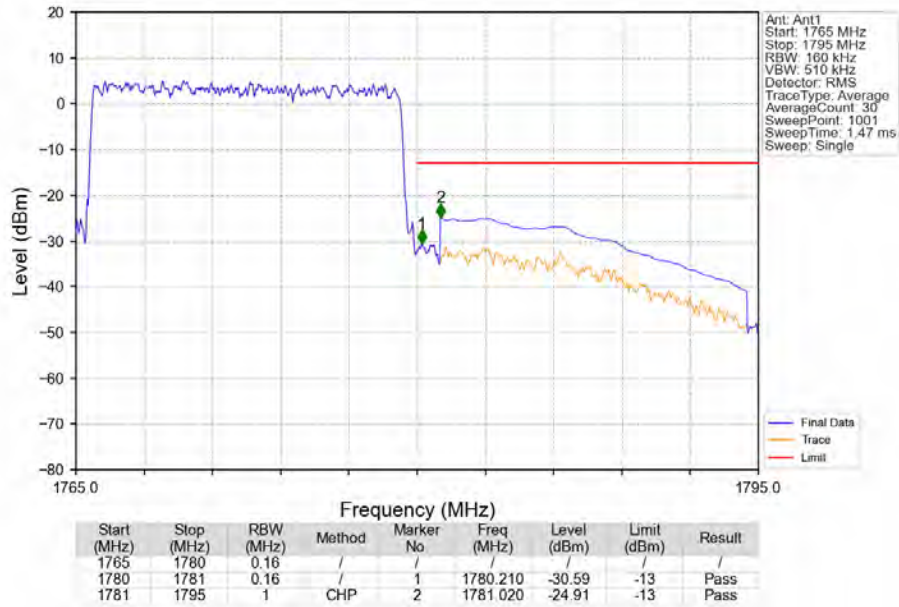
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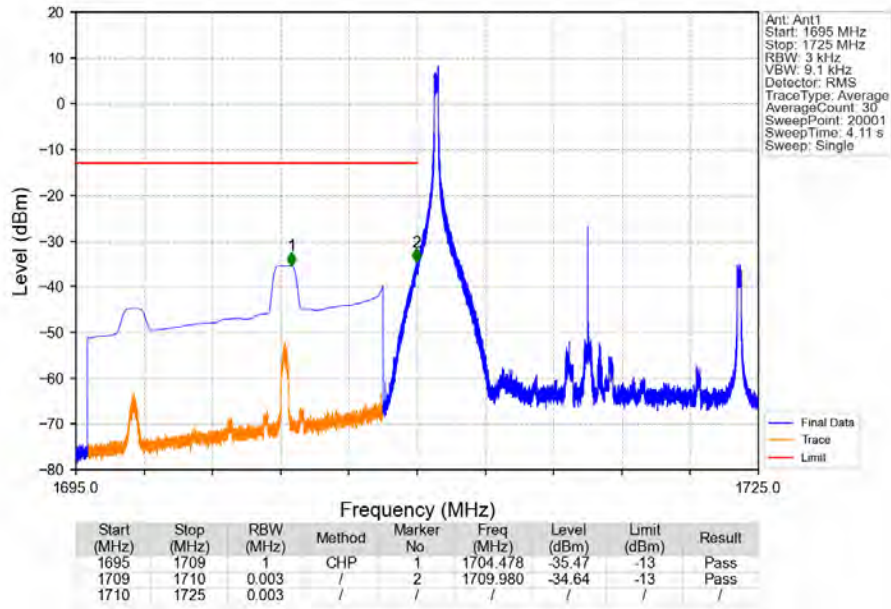
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Band66_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



Band66_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



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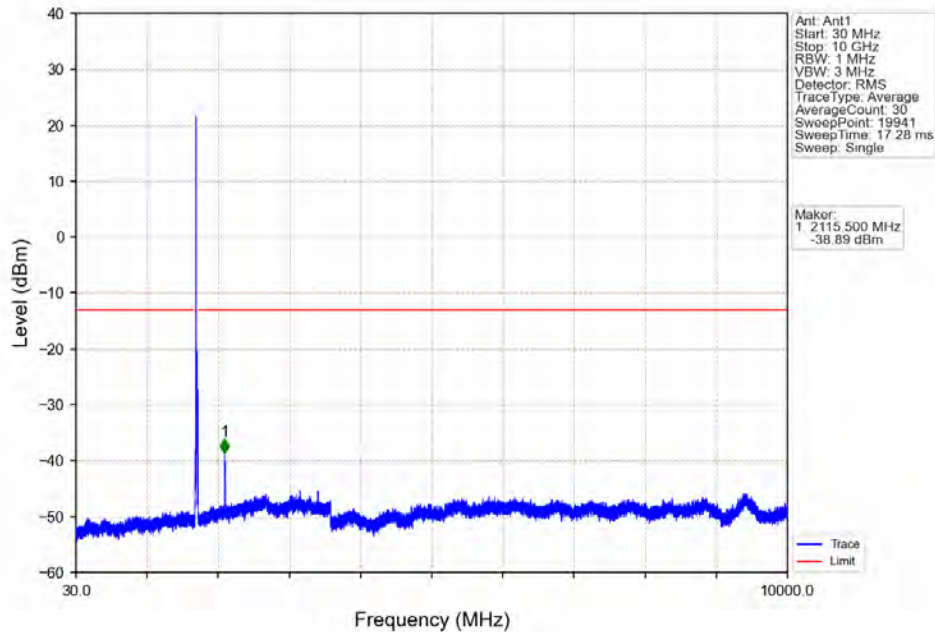
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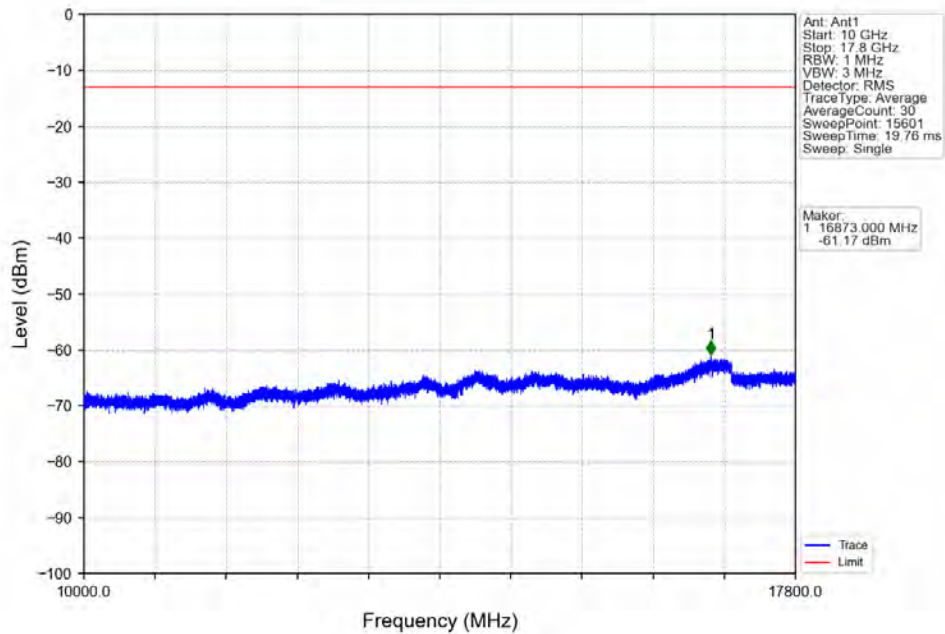
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Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



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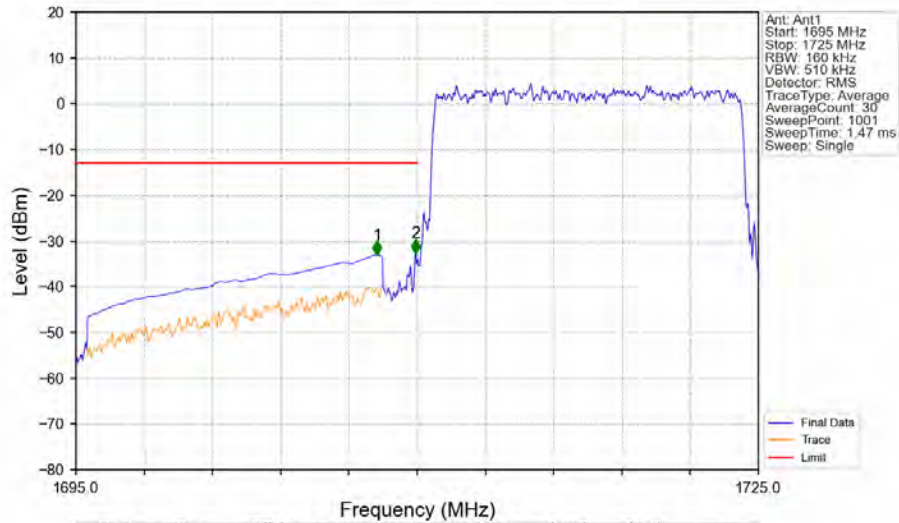
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	0.16	CHP	1	1708.230	-33.05	-13	Pass
1709	1710	/	/	2	1709.940	-32.67	-13	Pass
1710	1725	0.16	/	/	/	/	/	/



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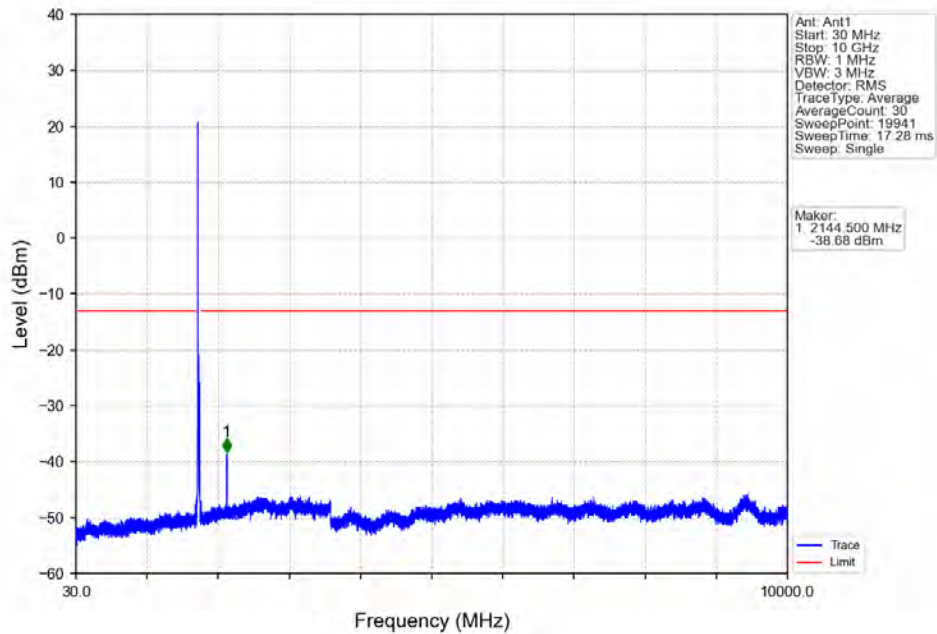
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Band66_15MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



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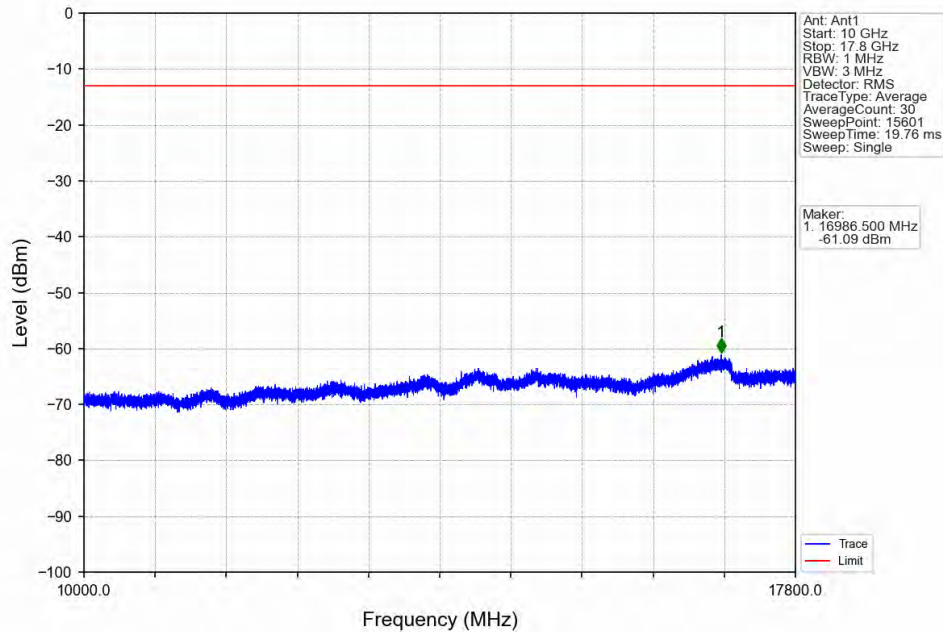
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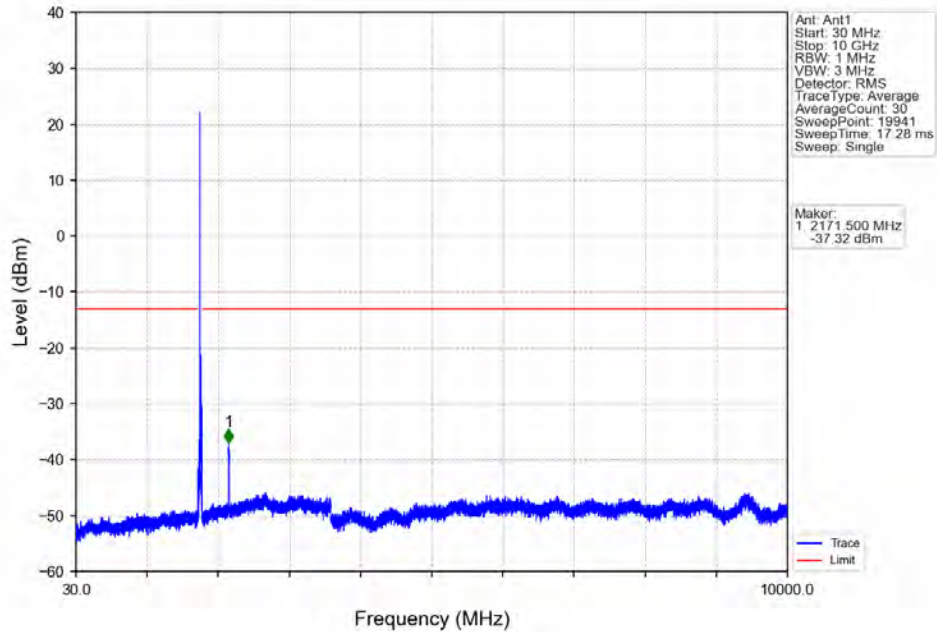
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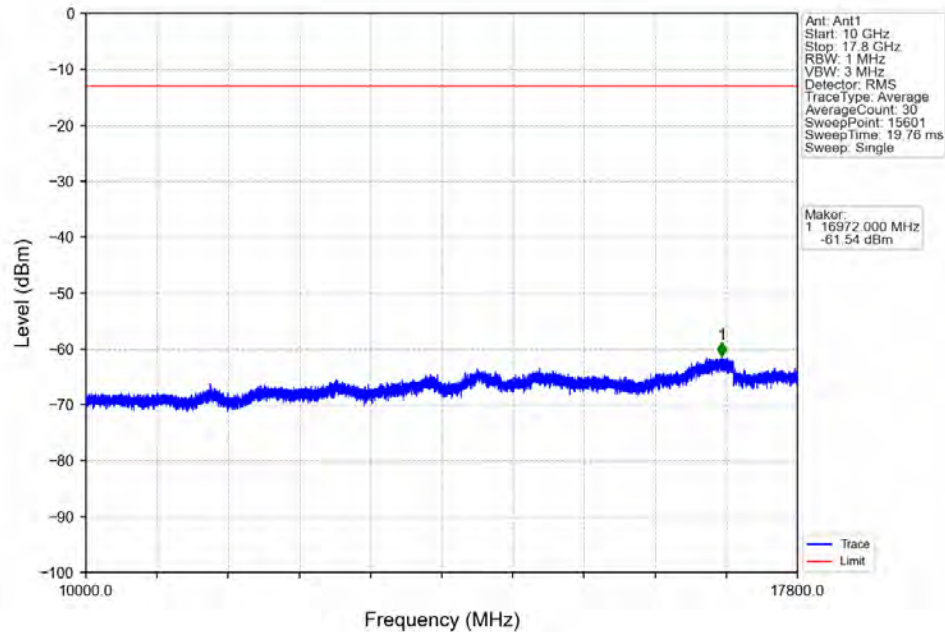
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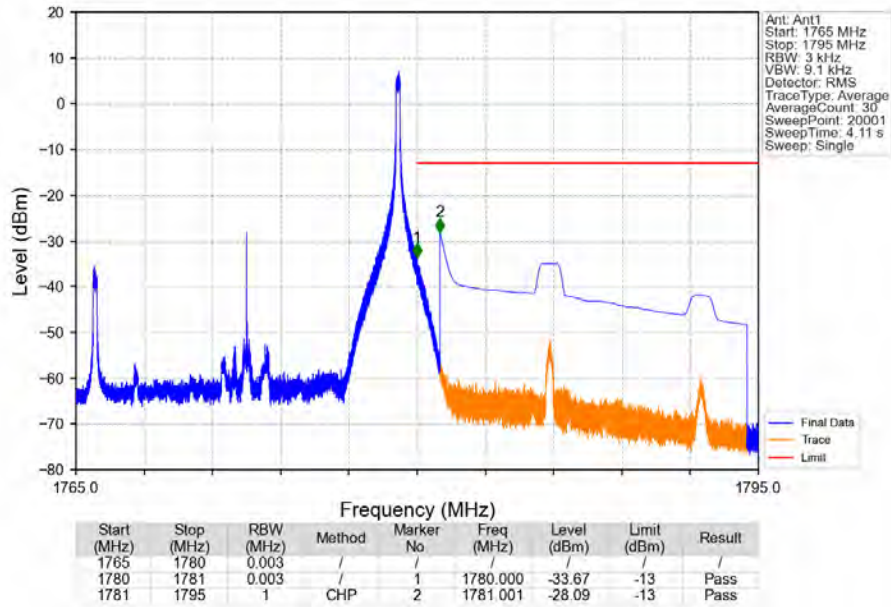
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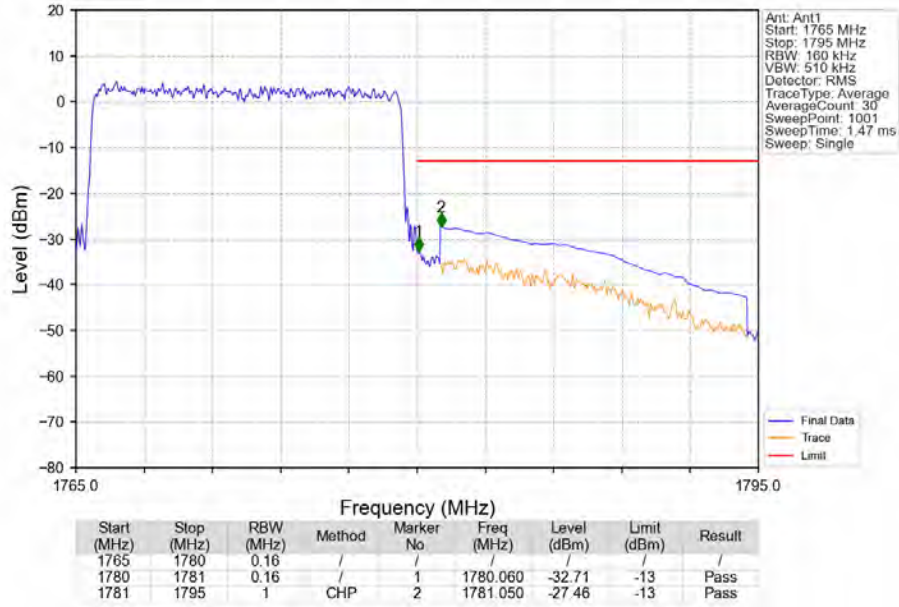
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5.6 B66_20MHz

5.6.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1770	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
	1745	1	0	Refer To Test Graph		Pass
	1770	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass



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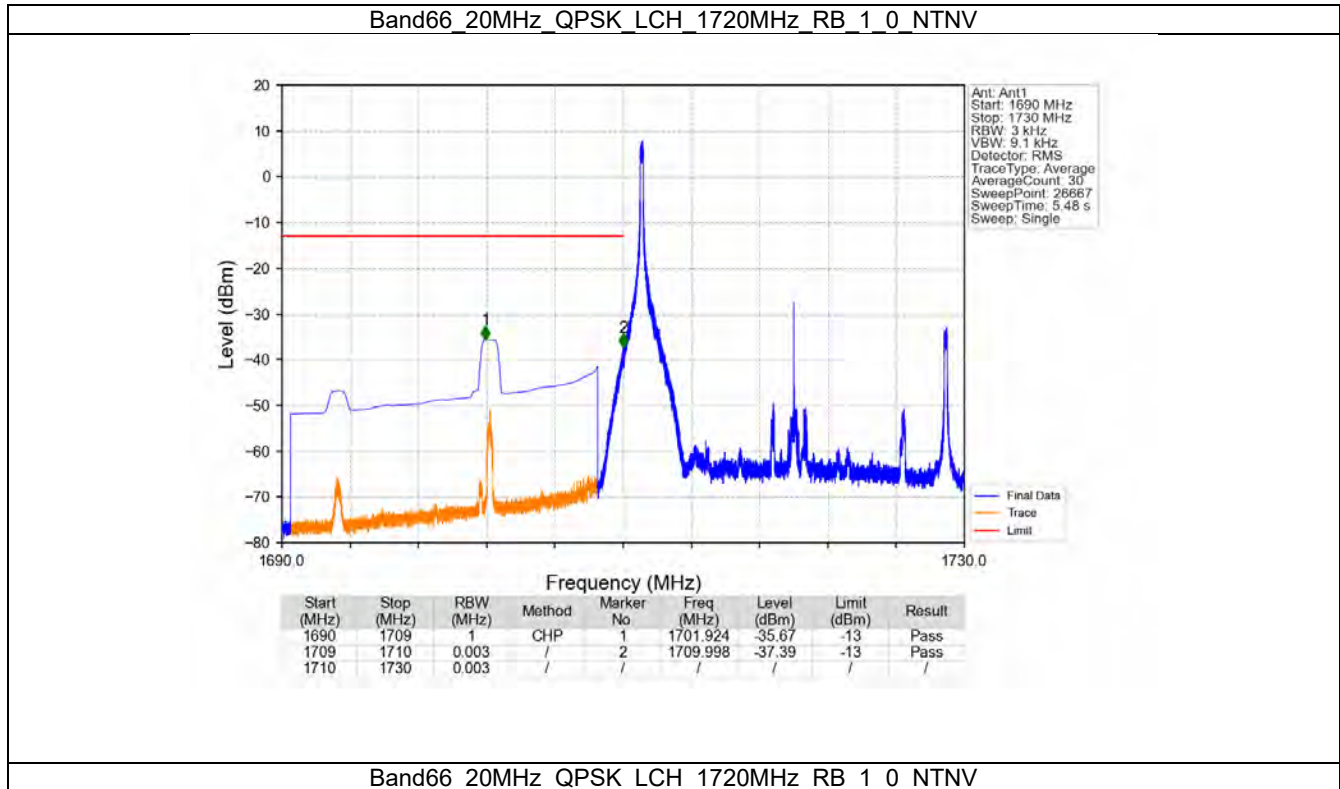
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5.6.2 Test Graph



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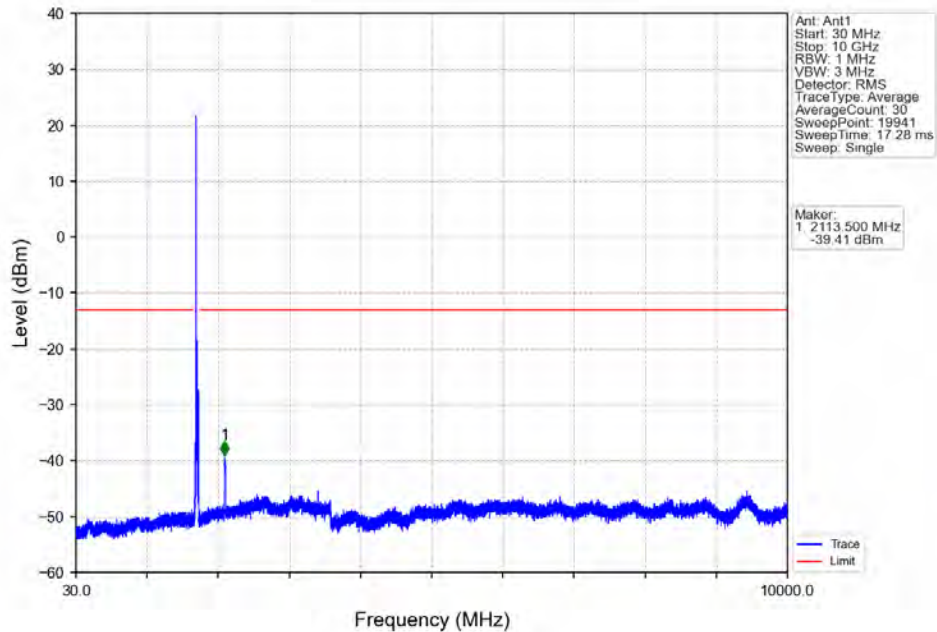
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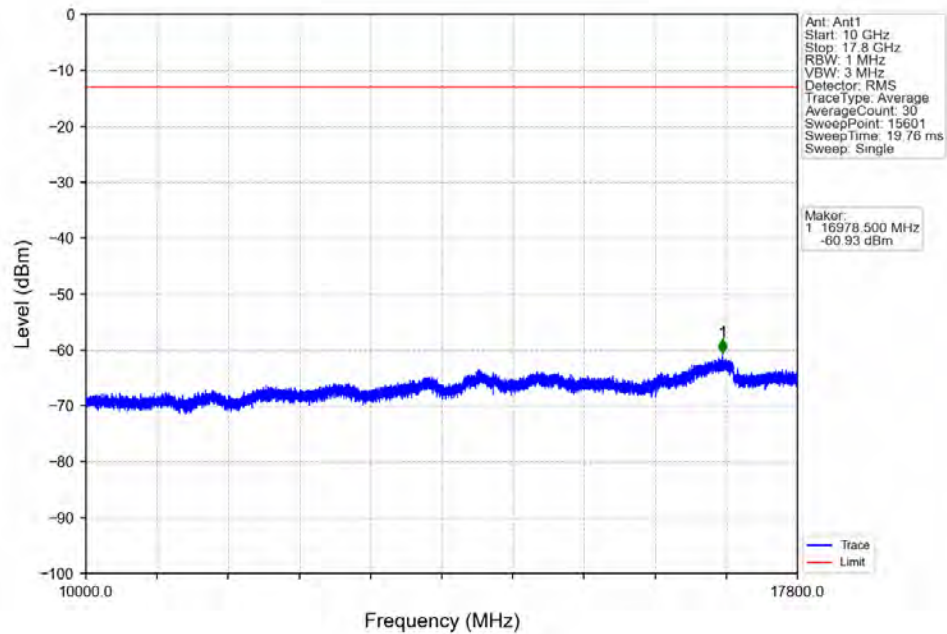
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Band66_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



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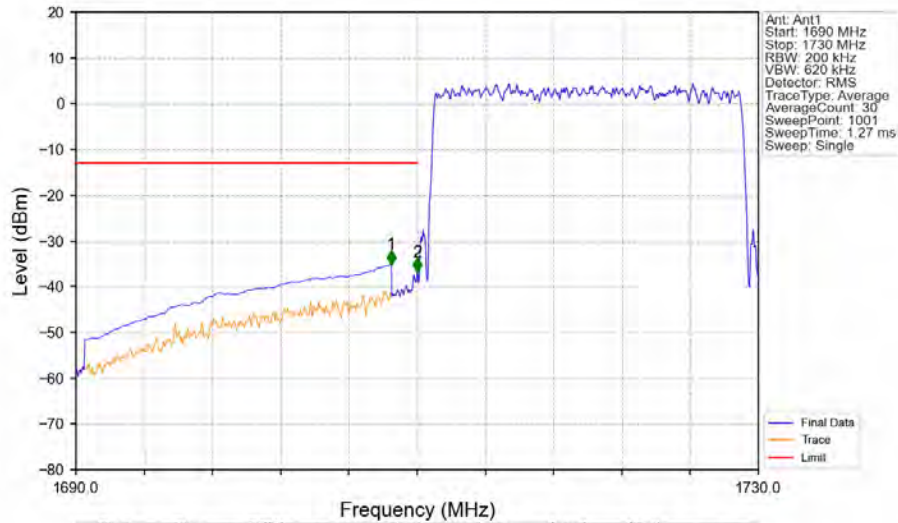
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-35.12	-13	Pass
1709	1710	0.2	/	2	1710.000	-36.83	-13	Pass
1710	1730	0.2	/	/	/	/	/	/



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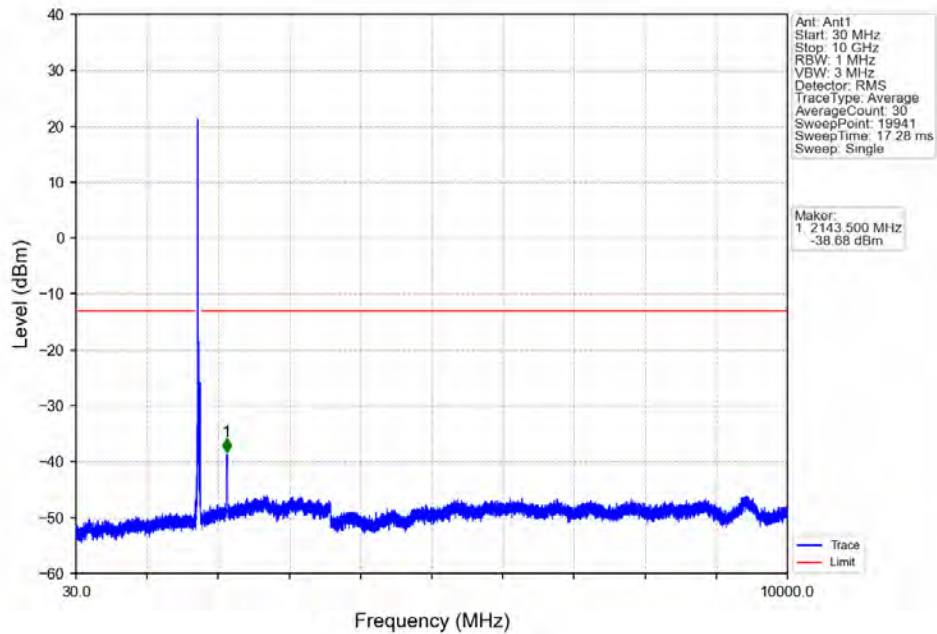
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Band66_20MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



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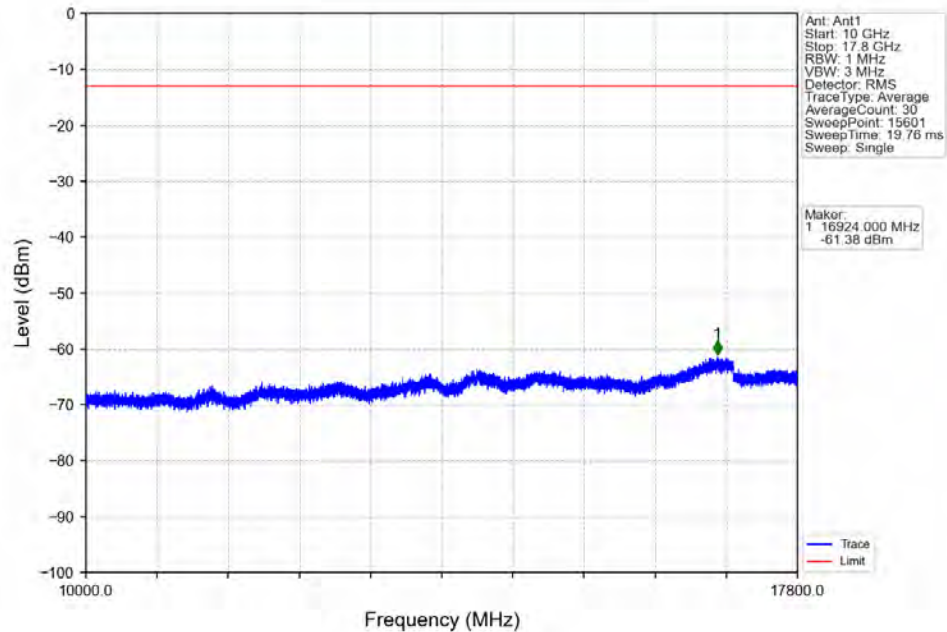
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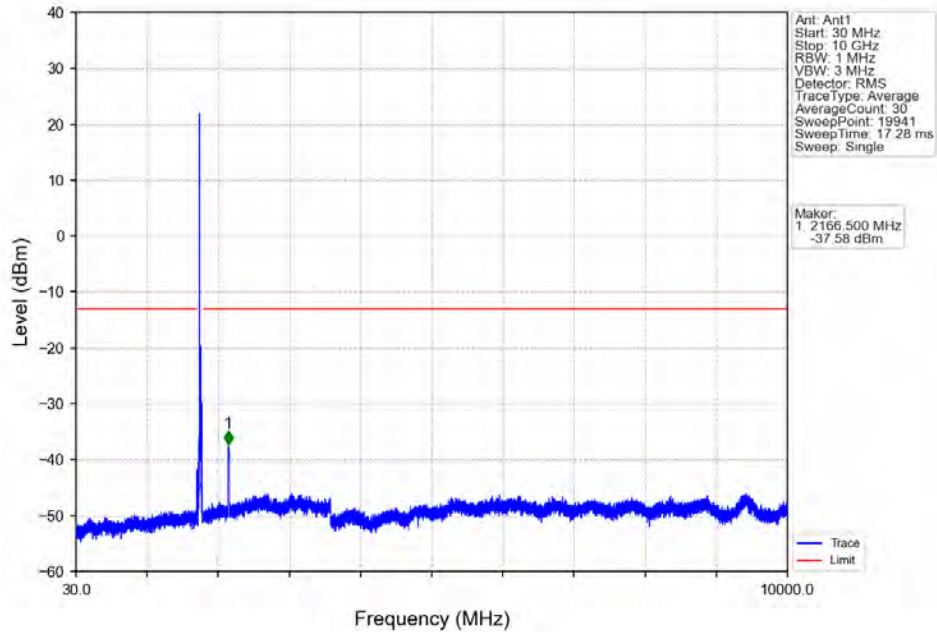
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Band66_20MHz_QPSK_HCH_1770MHz_RB_1_0_NTNV



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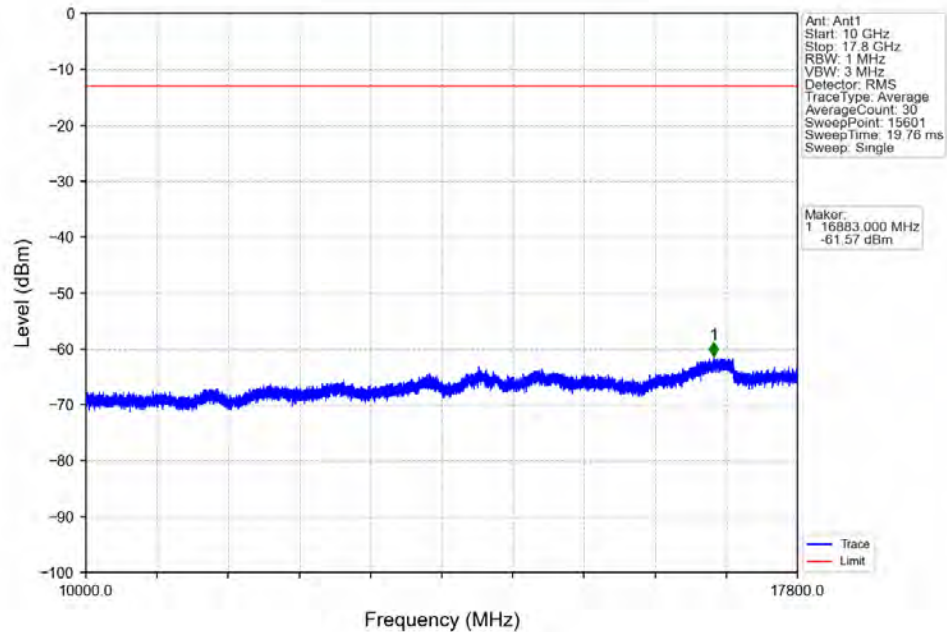
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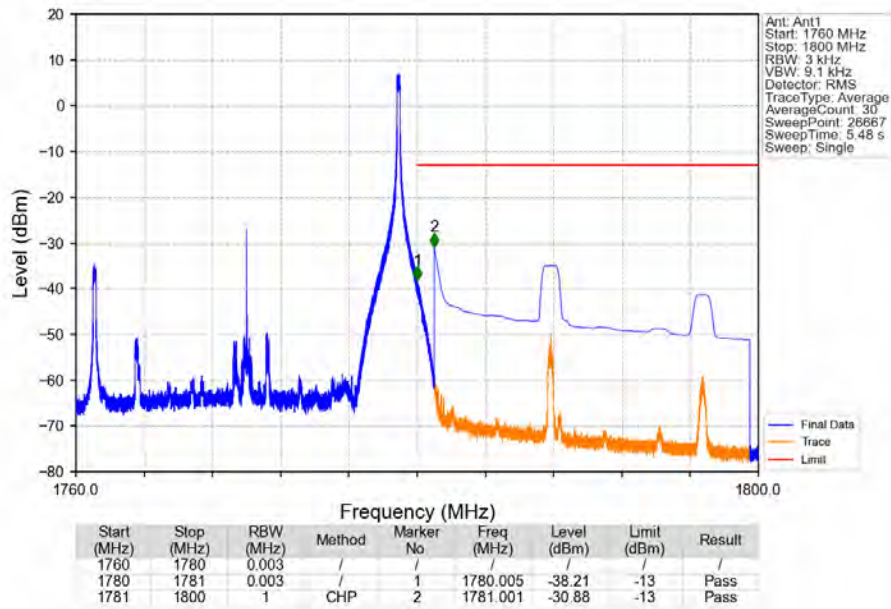
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Band66_20MHz_QPSK_HCH_1770MHz_RB_1_99_NTNV



Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



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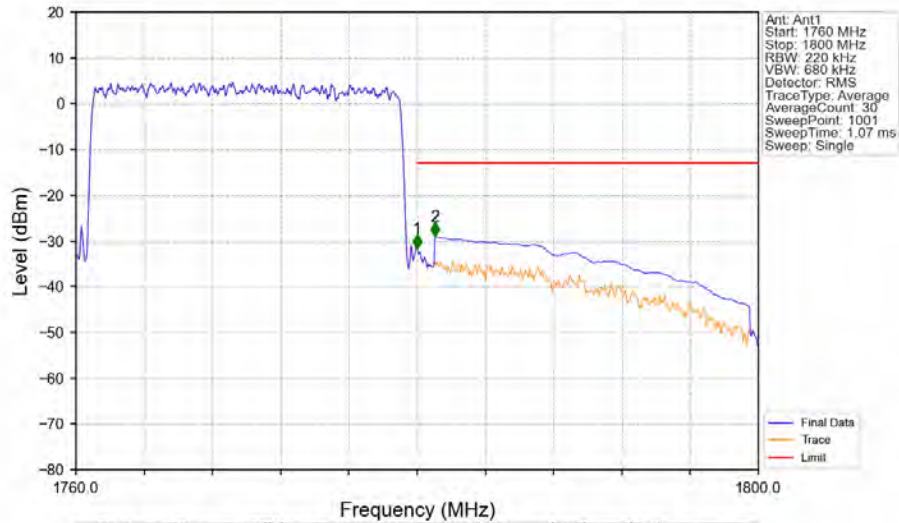
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1760	1780	0.22	/	1	1780.000	-31.75	-13	Pass
1780	1781	0.22	/	2	1781.040	-29.10	-13	Pass
1781	1800	1	CHP					



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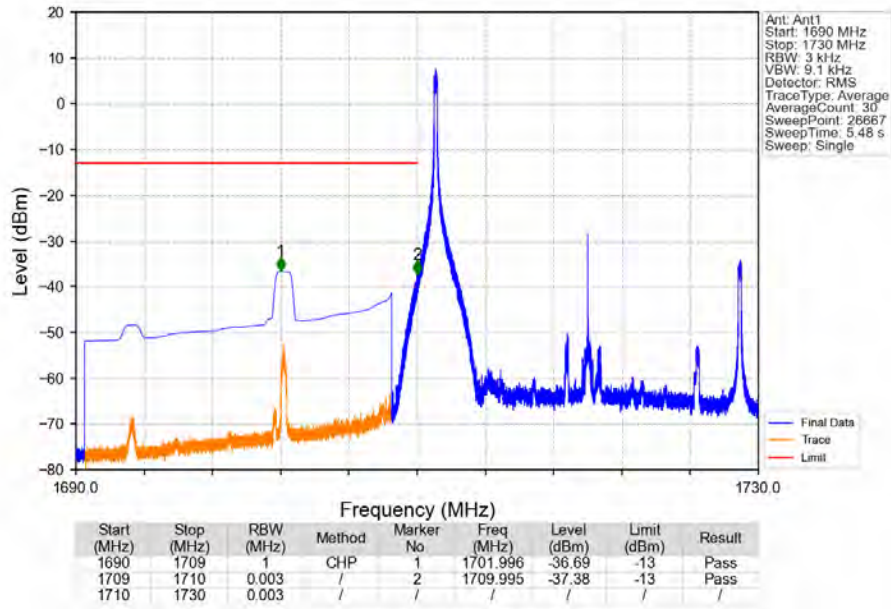
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Band66_20MHz_16QAM LCH_1720MHz_RB_1_0_NTNV



Band66_20MHz_16QAM LCH_1720MHz_RB_1_0_NTNV



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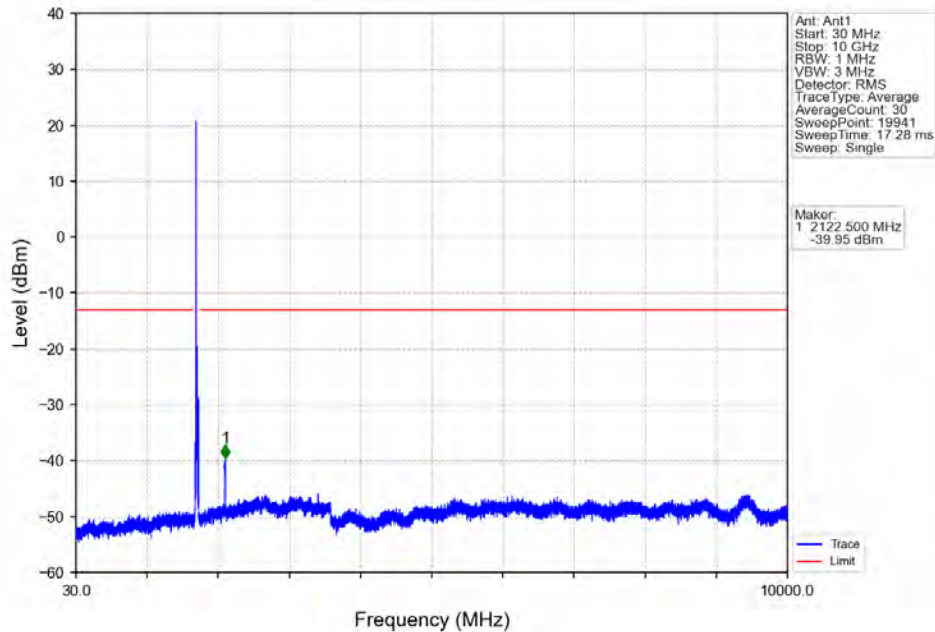
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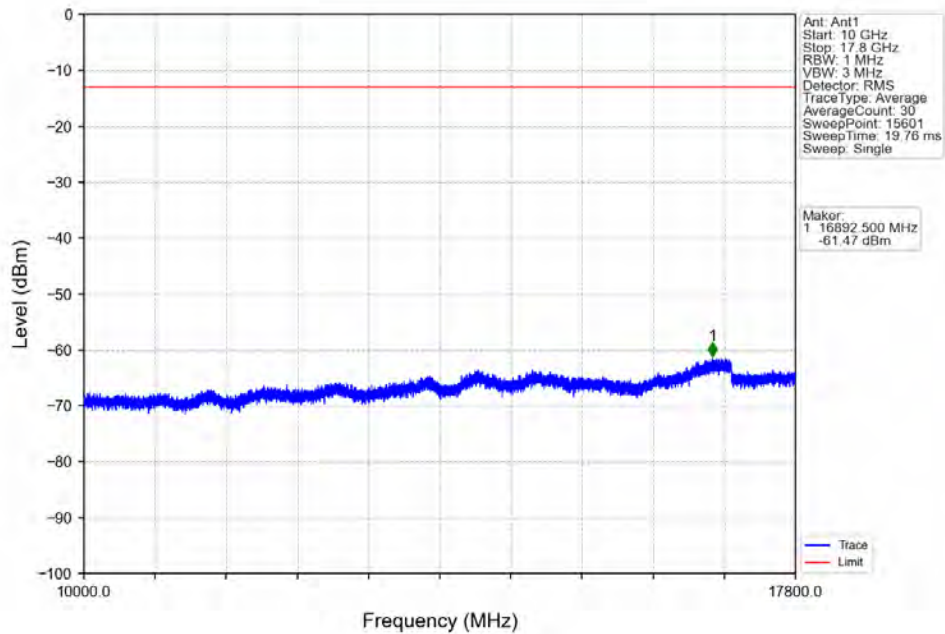
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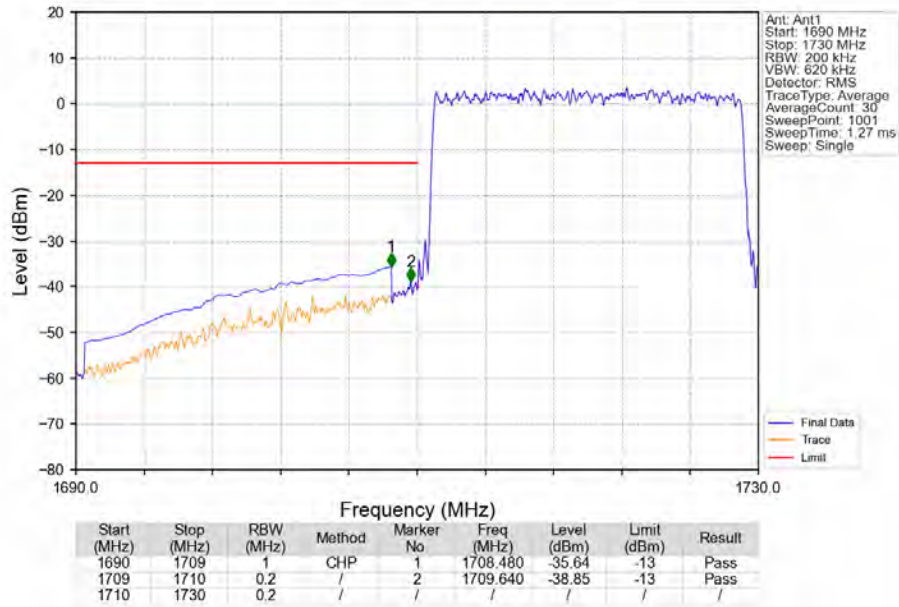
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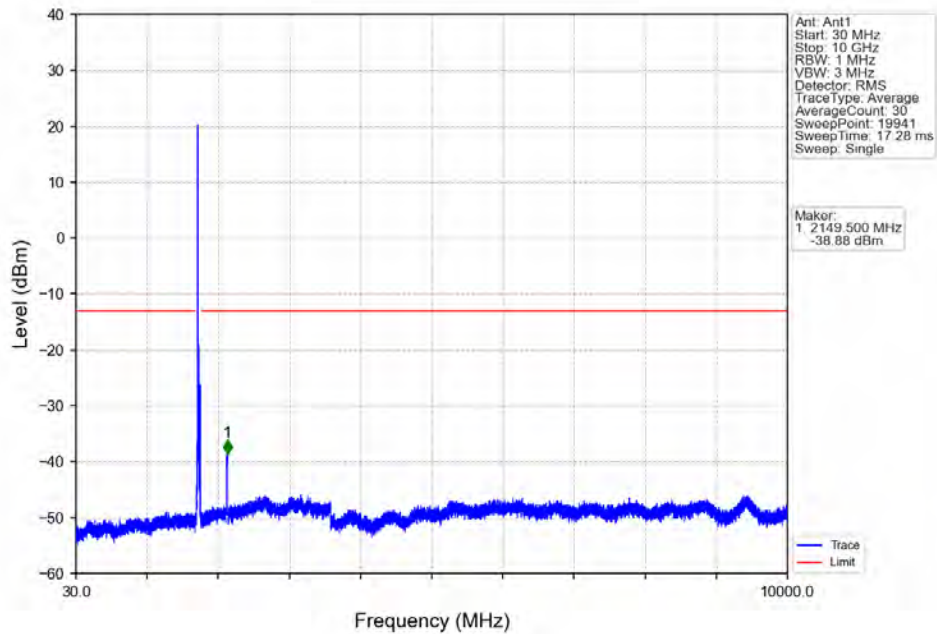
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Band66_20MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



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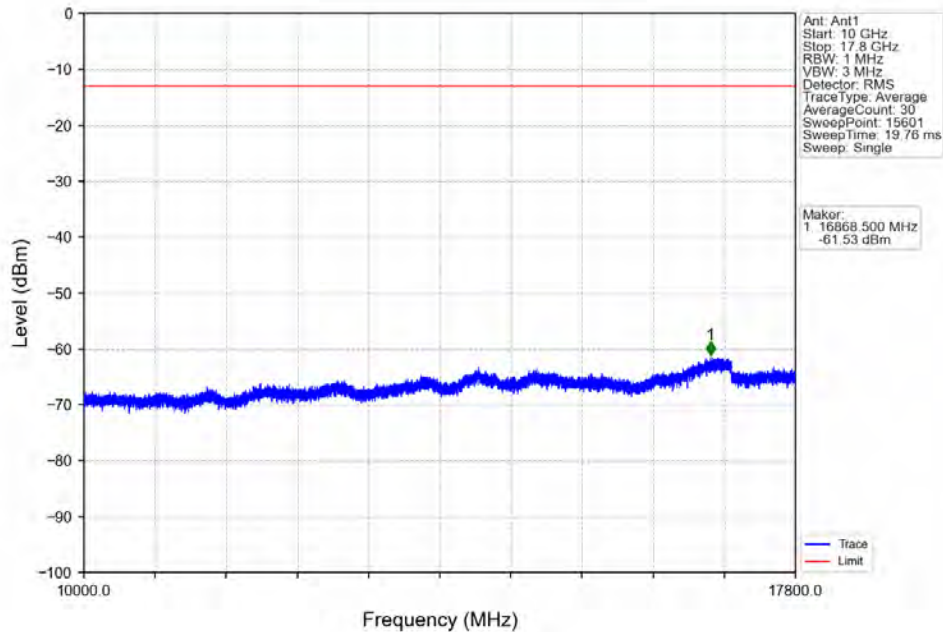
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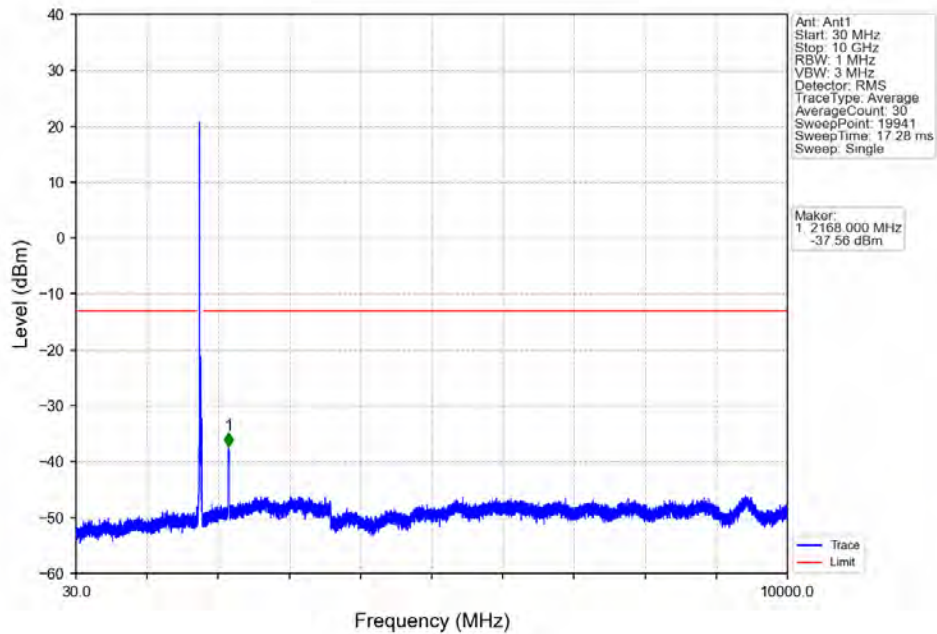
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Band66_20MHz_16QAM_HCH_1770MHz_RB_1_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_1_0_NTNV



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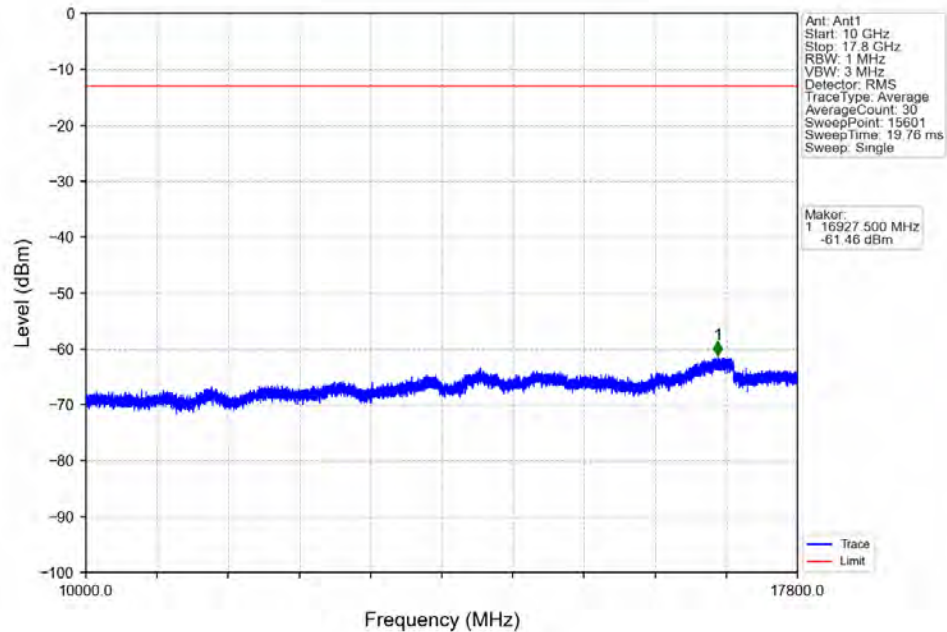
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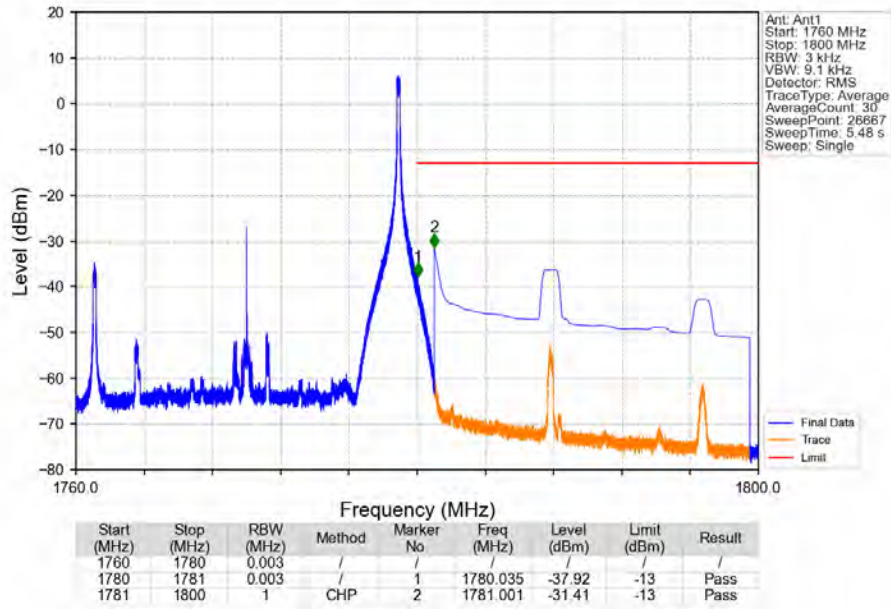
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Band66_20MHz_16QAM_HCH_1770MHz_RB_1_99_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



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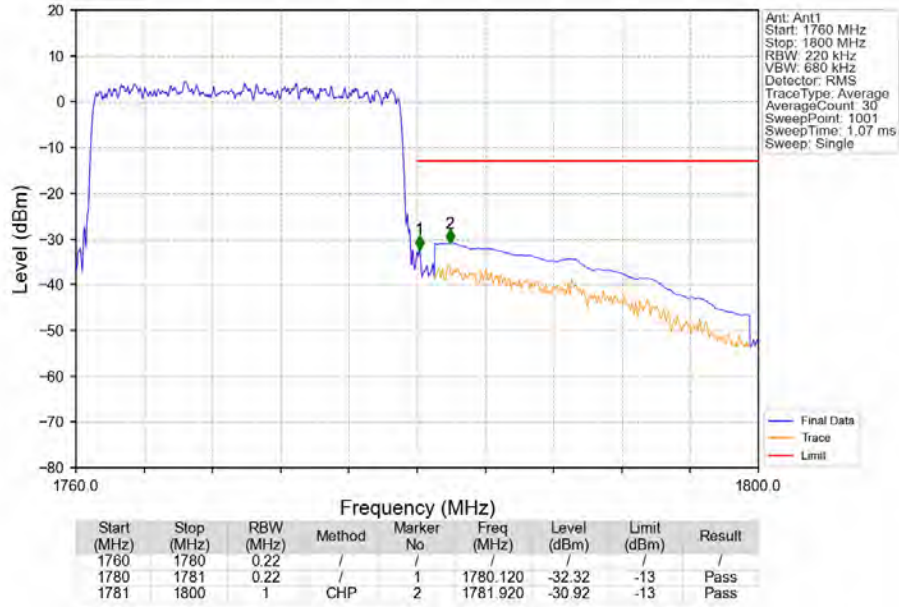
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6. Field Strength of Spurious Radiation

Test Band = LTE_66_TM1

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1422	35.06	-19.66	25.08	-54.78	-13.00	41.78	Horizontal
2	3422	61.13	-45.33	28.73	-50.73	-13.00	37.73	Horizontal
3	5133	57.07	-42.53	31.70	-49.02	-13.00	36.02	Horizontal
4	5524.5	51.02	-41.75	32.30	-53.69	-13.00	40.69	Horizontal
5	9542.5	42.79	-35.85	37.80	-50.52	-13.00	37.52	Horizontal
6	13635	43.43	-37.90	40.14	-49.59	-13.00	36.59	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1320.5	35.15	-20.10	24.81	-55.40	-13.00	42.40	Vertical
2	3422	55.43	-45.33	28.73	-56.43	-13.00	43.43	Vertical
3	5133	57.88	-42.53	31.70	-48.21	-13.00	35.21	Vertical
4	5524.5	51.73	-41.75	32.30	-52.98	-13.00	39.98	Vertical
5	9916.5	42.64	-35.39	38.62	-49.39	-13.00	36.39	Vertical
6	16592.5	42.03	-35.36	39.49	-49.10	-13.00	36.10	Vertical



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Test Band = LTE_66_TM1
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1347	34.83	-20.09	25.07	-55.45	-13.00	42.45	Horizontal
2	3472	59.55	-45.19	28.99	-51.91	-13.00	38.91	Horizontal
3	5208	57.89	-42.53	31.85	-48.05	-13.00	35.05	Horizontal
4	5524.5	50.71	-41.75	32.30	-54.00	-13.00	41.00	Horizontal
5	6944.5	48.13	-39.44	35.31	-51.26	-13.00	38.26	Horizontal
6	16599.5	41.65	-35.34	39.50	-49.45	-13.00	36.45	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1346	35.05	-20.10	25.06	-55.25	-13.00	42.25	Vertical
2	3472	57.48	-45.19	28.99	-53.98	-13.00	40.98	Vertical
3	5208	57.43	-42.53	31.85	-48.51	-13.00	35.51	Vertical
4	5524.5	50.97	-41.75	32.30	-53.74	-13.00	40.74	Vertical
5	6944.5	47.42	-39.44	35.31	-51.97	-13.00	38.97	Vertical
6	16409	42.08	-34.89	38.85	-49.22	-13.00	36.22	Vertical



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Test Band = LTE_66_TM1
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1424	34.81	-19.68	25.09	-55.04	-13.00	42.04	Horizontal
2	3522	58.22	-44.94	29.06	-52.92	-13.00	39.92	Horizontal
3	5283.5	56.45	-42.35	31.80	-49.36	-13.00	36.36	Horizontal
4	5524.5	50.73	-41.75	32.30	-53.98	-13.00	40.98	Horizontal
5	7044.5	45.97	-39.44	36.13	-52.60	-13.00	39.60	Horizontal
6	16394	41.90	-34.85	38.78	-49.43	-13.00	36.43	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1301.5	34.83	-20.18	24.62	-55.99	-13.00	42.99	Vertical
2	3522	53.39	-44.94	29.06	-57.75	-13.00	44.75	Vertical
3	5283	54.49	-42.35	31.80	-51.32	-13.00	38.32	Vertical
4	5524.5	50.71	-41.75	32.30	-54.00	-13.00	41.00	Vertical
5	9902	42.35	-35.01	38.60	-49.32	-13.00	36.32	Vertical
6	16598	41.66	-35.35	39.50	-49.45	-13.00	36.45	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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