

Appendix - LTE Band_66

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B66_1.4MHz_EIRP

Band: 66 / Bandwidth: 1.4MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	19.25	-1.56	17.69	<=30	Pass
			2	19.38	-1.56	17.82	<=30	Pass
			5	19.26	-1.56	17.70	<=30	Pass
		3	0	19.34	-1.56	17.78	<=30	Pass
			2	19.39	-1.56	17.83	<=30	Pass
			3	19.37	-1.56	17.81	<=30	Pass
	1745	6	0	19.23	-1.56	17.67	<=30	Pass
			0	19.62	-1.56	18.06	<=30	Pass
			2	19.74	-1.56	18.18	<=30	Pass
		1	5	19.60	-1.56	18.04	<=30	Pass
			0	19.76	-1.56	18.20	<=30	Pass
			2	19.78	-1.56	18.22	<=30	Pass
		3	3	19.74	-1.56	18.18	<=30	Pass
			0	19.65	-1.56	18.09	<=30	Pass
			6	19.79	-1.56	18.23	<=30	Pass
	1779.3	1	0	19.79	-1.56	18.23	<=30	Pass
			2	19.90	-1.56	18.34	<=30	Pass
			5	19.79	-1.56	18.23	<=30	Pass
		3	0	19.89	-1.56	18.33	<=30	Pass
			2	19.93	-1.56	18.37	<=30	Pass
			3	19.93	-1.56	18.37	<=30	Pass
		6	0	19.84	-1.56	18.28	<=30	Pass
16QAM	1710.7	1	0	19.46	-1.56	17.90	<=30	Pass
			2	19.69	-1.56	18.13	<=30	Pass
			5	19.51	-1.56	17.95	<=30	Pass
		3	0	19.25	-1.56	17.69	<=30	Pass
			2	19.29	-1.56	17.73	<=30	Pass
			3	19.28	-1.56	17.72	<=30	Pass
	1745	6	0	19.33	-1.56	17.77	<=30	Pass
			0	19.86	-1.56	18.30	<=30	Pass
			2	20.05	-1.56	18.49	<=30	Pass
		1	5	19.86	-1.56	18.30	<=30	Pass
			0	19.71	-1.56	18.15	<=30	Pass
			2	19.68	-1.56	18.12	<=30	Pass
		3	3	19.66	-1.56	18.10	<=30	Pass
			0	19.74	-1.56	18.18	<=30	Pass
			6	19.97	-1.56	18.41	<=30	Pass
	1779.3	1	0	19.97	-1.56	18.41	<=30	Pass
			2	20.14	-1.56	18.58	<=30	Pass
			5	19.94	-1.56	18.38	<=30	Pass
		3	0	19.79	-1.56	18.23	<=30	Pass
			2	19.84	-1.56	18.28	<=30	Pass
			3	19.83	-1.56	18.27	<=30	Pass
		6	0	19.78	-1.56	18.22	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B66_3MHz_EIRP

Band: 66 / Bandwidth: 3MHz / NTN								
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Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	19.22	-1.56	17.66	<=30	Pass
			7	19.54	-1.56	17.98	<=30	Pass
			14	19.33	-1.56	17.77	<=30	Pass
		8	0	19.25	-1.56	17.69	<=30	Pass
			4	19.32	-1.56	17.76	<=30	Pass
			7	19.30	-1.56	17.74	<=30	Pass
		15	0	19.27	-1.56	17.71	<=30	Pass
	1745	1	0	19.72	-1.56	18.16	<=30	Pass
			7	19.91	-1.56	18.35	<=30	Pass
			14	19.65	-1.56	18.09	<=30	Pass
		8	0	19.62	-1.56	18.06	<=30	Pass
			4	19.64	-1.56	18.08	<=30	Pass
			7	19.62	-1.56	18.06	<=30	Pass
		15	0	19.60	-1.56	18.04	<=30	Pass
	1778.5	1	0	19.84	-1.56	18.28	<=30	Pass
			7	20.05	-1.56	18.49	<=30	Pass
			14	19.84	-1.56	18.28	<=30	Pass
		8	0	19.84	-1.56	18.28	<=30	Pass
			4	19.86	-1.56	18.30	<=30	Pass
			7	19.84	-1.56	18.28	<=30	Pass
		15	0	19.80	-1.56	18.24	<=30	Pass
16QAM	1711.5	1	0	19.48	-1.56	17.92	<=30	Pass
			7	19.66	-1.56	18.10	<=30	Pass
			14	19.53	-1.56	17.97	<=30	Pass
		8	0	19.32	-1.56	17.76	<=30	Pass
			4	19.35	-1.56	17.79	<=30	Pass
			7	19.37	-1.56	17.81	<=30	Pass
		15	0	19.23	-1.56	17.67	<=30	Pass
	1745	1	0	19.60	-1.56	18.04	<=30	Pass
			7	19.81	-1.56	18.25	<=30	Pass
			14	19.51	-1.56	17.95	<=30	Pass
		8	0	19.69	-1.56	18.13	<=30	Pass
			4	19.71	-1.56	18.15	<=30	Pass
			7	19.68	-1.56	18.12	<=30	Pass
		15	0	19.57	-1.56	18.01	<=30	Pass
	1778.5	1	0	20.05	-1.56	18.49	<=30	Pass
			7	20.28	-1.56	18.72	<=30	Pass
			14	19.98	-1.56	18.42	<=30	Pass
		8	0	19.93	-1.56	18.37	<=30	Pass
			4	19.96	-1.56	18.40	<=30	Pass
			7	19.94	-1.56	18.38	<=30	Pass
		15	0	19.86	-1.56	18.30	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B66_5MHz_EIRP

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	19.15	-1.56	17.59	<=30	Pass
			13	19.37	-1.56	17.81	<=30	Pass
			24	19.33	-1.56	17.77	<=30	Pass
		12	0	19.21	-1.56	17.65	<=30	Pass
			6	19.37	-1.56	17.81	<=30	Pass
			13	19.41	-1.56	17.85	<=30	Pass
		25	0	19.34	-1.56	17.78	<=30	Pass
	1745	1	0	19.63	-1.56	18.07	<=30	Pass
			0	19.63	-1.56	18.07	<=30	Pass

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			13	19.72	-1.56	18.16	<=30	Pass		
			24	19.55	-1.56	17.99	<=30	Pass		
			12	0	19.59	-1.56	18.03	<=30	Pass	
		6		19.69	-1.56	18.13	<=30	Pass		
		13		19.68	-1.56	18.12	<=30	Pass		
		25	0	19.66	-1.56	18.10	<=30	Pass		
		1777.5	1	0	19.72	-1.56	18.16	<=30	Pass	
				13	19.85	-1.56	18.29	<=30	Pass	
				24	19.76	-1.56	18.20	<=30	Pass	
	12		0	19.71	-1.56	18.15	<=30	Pass		
			6	19.85	-1.56	18.29	<=30	Pass		
			13	19.81	-1.56	18.25	<=30	Pass		
	25		0	19.82	-1.56	18.26	<=30	Pass		
	16QAM		1712.5	1	0	19.38	-1.56	17.82	<=30	Pass
					13	19.63	-1.56	18.07	<=30	Pass
		24			19.56	-1.56	18.00	<=30	Pass	
		12		0	19.28	-1.56	17.72	<=30	Pass	
				6	19.46	-1.56	17.90	<=30	Pass	
13				19.47	-1.56	17.91	<=30	Pass		
25		0		19.34	-1.56	17.78	<=30	Pass		
1745		1		0	19.74	-1.56	18.18	<=30	Pass	
				13	19.86	-1.56	18.30	<=30	Pass	
			24	19.69	-1.56	18.13	<=30	Pass		
		12	0	19.70	-1.56	18.14	<=30	Pass		
			6	19.73	-1.56	18.17	<=30	Pass		
			13	19.72	-1.56	18.16	<=30	Pass		
		25	0	19.73	-1.56	18.17	<=30	Pass		
		1777.5	1	0	19.79	-1.56	18.23	<=30	Pass	
				13	19.98	-1.56	18.42	<=30	Pass	
24				19.83	-1.56	18.27	<=30	Pass		
12			0	19.76	-1.56	18.20	<=30	Pass		
	6		19.86	-1.56	18.30	<=30	Pass			
	13		19.82	-1.56	18.26	<=30	Pass			
25	0		19.80	-1.56	18.24	<=30	Pass			
Note1: EIRP=Conducted Power+Antenna Gain										

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B66_10MHz_EIRP

Band: 66 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	19.23	-1.56	17.67	<=30	Pass
			25	19.53	-1.56	17.97	<=30	Pass
			49	19.48	-1.56	17.92	<=30	Pass
		25	0	19.32	-1.56	17.76	<=30	Pass
			13	19.51	-1.56	17.95	<=30	Pass
			25	19.66	-1.56	18.10	<=30	Pass
		50	0	19.46	-1.56	17.90	<=30	Pass
		1745	0	19.75	-1.56	18.19	<=30	Pass
			25	19.81	-1.56	18.25	<=30	Pass
			49	19.63	-1.56	18.07	<=30	Pass
			0	19.67	-1.56	18.11	<=30	Pass
			13	19.74	-1.56	18.18	<=30	Pass
			25	19.80	-1.56	18.24	<=30	Pass
		50	0	19.73	-1.56	18.17	<=30	Pass
	1775	1	0	19.73	-1.56	18.17	<=30	Pass
			25	19.90	-1.56	18.34	<=30	Pass
			49	19.73	-1.56	18.17	<=30	Pass
		25	0	19.81	-1.56	18.25	<=30	Pass

16QAM	1715	50	13	19.88	-1.56	18.32	<=30	Pass
			25	19.92	-1.56	18.36	<=30	Pass
			0	19.83	-1.56	18.27	<=30	Pass
		1	0	19.44	-1.56	17.88	<=30	Pass
			25	19.75	-1.56	18.19	<=30	Pass
			49	19.72	-1.56	18.16	<=30	Pass
		25	0	19.40	-1.56	17.84	<=30	Pass
			13	19.55	-1.56	17.99	<=30	Pass
			25	19.71	-1.56	18.15	<=30	Pass
		50	0	19.52	-1.56	17.96	<=30	Pass
	1745	1	0	19.58	-1.56	18.02	<=30	Pass
			25	19.70	-1.56	18.14	<=30	Pass
			49	19.54	-1.56	17.98	<=30	Pass
		25	0	19.71	-1.56	18.15	<=30	Pass
			13	19.79	-1.56	18.23	<=30	Pass
			25	19.85	-1.56	18.29	<=30	Pass
		50	0	19.75	-1.56	18.19	<=30	Pass
	1775	1	0	19.91	-1.56	18.35	<=30	Pass
			25	20.09	-1.56	18.53	<=30	Pass
			49	19.96	-1.56	18.40	<=30	Pass
		25	0	19.80	-1.56	18.24	<=30	Pass
			13	19.87	-1.56	18.31	<=30	Pass
			25	19.92	-1.56	18.36	<=30	Pass
		50	0	19.88	-1.56	18.32	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B66_15MHz_EIRP

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	19.14	-1.56	17.58	<=30	Pass
			38	19.48	-1.56	17.92	<=30	Pass
			74	19.50	-1.56	17.94	<=30	Pass
		36	0	19.29	-1.56	17.73	<=30	Pass
			18	19.53	-1.56	17.97	<=30	Pass
			39	19.61	-1.56	18.05	<=30	Pass
		75	0	19.47	-1.56	17.91	<=30	Pass
	1745	1	0	19.69	-1.56	18.13	<=30	Pass
			38	19.71	-1.56	18.15	<=30	Pass
			74	19.64	-1.56	18.08	<=30	Pass
		36	0	19.68	-1.56	18.12	<=30	Pass
			18	19.68	-1.56	18.12	<=30	Pass
			39	19.76	-1.56	18.20	<=30	Pass
		75	0	19.69	-1.56	18.13	<=30	Pass
	1772.5	1	0	19.63	-1.56	18.07	<=30	Pass
			38	19.82	-1.56	18.26	<=30	Pass
			74	19.69	-1.56	18.13	<=30	Pass
		36	0	19.79	-1.56	18.23	<=30	Pass
			18	19.86	-1.56	18.30	<=30	Pass
			39	19.91	-1.56	18.35	<=30	Pass
		75	0	19.86	-1.56	18.30	<=30	Pass
16QAM	1717.5	1	0	19.42	-1.56	17.86	<=30	Pass
			38	19.78	-1.56	18.22	<=30	Pass
			74	19.75	-1.56	18.19	<=30	Pass
		36	0	19.36	-1.56	17.80	<=30	Pass
			18	19.58	-1.56	18.02	<=30	Pass
			39	19.65	-1.56	18.09	<=30	Pass
		75	0	19.47	-1.56	17.91	<=30	Pass

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	1745	1	0	19.49	-1.56	17.93	<=30	Pass
			38	19.59	-1.56	18.03	<=30	Pass
			74	19.45	-1.56	17.89	<=30	Pass
		36	0	19.56	-1.56	18.00	<=30	Pass
			18	19.64	-1.56	18.08	<=30	Pass
			39	19.75	-1.56	18.19	<=30	Pass
		75	0	19.68	-1.56	18.12	<=30	Pass
	1772.5	1	0	19.83	-1.56	18.27	<=30	Pass
			38	20.02	-1.56	18.46	<=30	Pass
			74	19.89	-1.56	18.33	<=30	Pass
		36	0	19.75	-1.56	18.19	<=30	Pass
			18	19.83	-1.56	18.27	<=30	Pass
			39	19.85	-1.56	18.29	<=30	Pass
		75	0	19.83	-1.56	18.27	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.6 B66_20MHz_EIRP

Band: 66 / Bandwidth: 20MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	19.15	-1.56	17.59	<=30	Pass
			50	19.73	-1.56	18.17	<=30	Pass
			99	19.54	-1.56	17.98	<=30	Pass
		50	0	19.20	-1.56	17.64	<=30	Pass
			25	19.57	-1.56	18.01	<=30	Pass
			50	19.56	-1.56	18.00	<=30	Pass
		100	0	19.40	-1.56	17.84	<=30	Pass
	1745	1	0	19.39	-1.56	17.83	<=30	Pass
			50	19.68	-1.56	18.12	<=30	Pass
			99	19.36	-1.56	17.80	<=30	Pass
		50	0	19.58	-1.56	18.02	<=30	Pass
			25	19.68	-1.56	18.12	<=30	Pass
			50	19.84	-1.56	18.28	<=30	Pass
		100	0	19.74	-1.56	18.18	<=30	Pass
	1770	1	0	19.61	-1.56	18.05	<=30	Pass
			50	19.95	-1.56	18.39	<=30	Pass
			99	19.66	-1.56	18.10	<=30	Pass
		50	0	19.85	-1.56	18.29	<=30	Pass
			25	19.80	-1.56	18.24	<=30	Pass
			50	19.92	-1.56	18.36	<=30	Pass
		100	0	19.86	-1.56	18.30	<=30	Pass
16QAM	1720	1	0	19.29	-1.56	17.73	<=30	Pass
			50	19.83	-1.56	18.27	<=30	Pass
			99	19.66	-1.56	18.10	<=30	Pass
		50	0	19.23	-1.56	17.67	<=30	Pass
			25	19.59	-1.56	18.03	<=30	Pass
			50	19.58	-1.56	18.02	<=30	Pass
		100	0	19.35	-1.56	17.79	<=30	Pass
	1745	1	0	19.60	-1.56	18.04	<=30	Pass
			50	19.82	-1.56	18.26	<=30	Pass
			99	19.60	-1.56	18.04	<=30	Pass
		50	0	19.68	-1.56	18.12	<=30	Pass
			25	19.79	-1.56	18.23	<=30	Pass
			50	19.92	-1.56	18.36	<=30	Pass
		100	0	19.74	-1.56	18.18	<=30	Pass
	1770	1	0	19.72	-1.56	18.16	<=30	Pass
			50	20.04	-1.56	18.48	<=30	Pass
			99	19.84	-1.56	18.28	<=30	Pass

		50	0	19.86	-1.56	18.30	<=30	Pass
			25	19.85	-1.56	18.29	<=30	Pass
			50	19.92	-1.56	18.36	<=30	Pass
		100	0	19.90	-1.56	18.34	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B66_1.4MHz

Band: 66 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	-8.368	-0.0049	-2.5 to 2.5	Pass
					3.85	-3.691	-0.0022	-2.5 to 2.5	Pass
					4.43	-5.336	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	1.874	0.0011	-2.5 to 2.5	Pass
				-20	3.85	3.133	0.0018	-2.5 to 2.5	Pass
				-10	3.85	-0.858	-0.0005	-2.5 to 2.5	Pass
				0	3.85	2.131	0.0012	-2.5 to 2.5	Pass
				10	3.85	-4.249	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-3.290	-0.0019	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	3.133	0.0018	-2.5 to 2.5	Pass
					3.85	-6.022	-0.0035	-2.5 to 2.5	Pass
					4.43	-7.582	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	1.602	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-7.367	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-8.512	-0.0049	-2.5 to 2.5	Pass
				0	3.85	1.431	0.0008	-2.5 to 2.5	Pass
				10	3.85	-8.411	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-6.080	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-6.595	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-8.755	-0.0050	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	-1.688	-0.0009	-2.5 to 2.5	Pass
					3.85	-4.120	-0.0023	-2.5 to 2.5	Pass
					4.43	-6.022	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-1.831	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-8.154	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-3.476	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				30	3.85	2.189	0.0012	-2.5 to 2.5	Pass
				40	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
					3.27	-4.234	-0.0025	-2.5 to 2.5	Pass
					4.43	-9.441	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-2.317	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-4.978	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-9.112	-0.0053	-2.5 to 2.5	Pass
				10	3.85	0.458	0.0003	-2.5 to 2.5	Pass
				30	3.85	-20.185	-0.0118	-2.5 to 2.5	Pass
				40	3.85	-4.334	-0.0025	-2.5 to 2.5	Pass

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	1745	6	0	50	3.85	5.035	0.0029	-2.5 to 2.5	Pass
				20	3.27	-4.063	-0.0023	-2.5 to 2.5	Pass
					3.85	-6.852	-0.0039	-2.5 to 2.5	Pass
					4.43	-7.982	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-0.601	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-5.236	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-6.909	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-8.926	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-8.855	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
	1779.3	6	0	40	3.85	-6.495	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-3.004	-0.0017	-2.5 to 2.5	Pass
				20	3.27	1.602	0.0009	-2.5 to 2.5	Pass
					3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
					4.43	0.486	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-5.808	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-2.575	-0.0014	-2.5 to 2.5	Pass
				0	3.85	3.104	0.0017	-2.5 to 2.5	Pass
				10	3.85	0.443	0.0002	-2.5 to 2.5	Pass
				30	3.85	-8.140	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-10.314	-0.0058	-2.5 to 2.5	Pass
				50	3.85	-7.725	-0.0043	-2.5 to 2.5	Pass

2.1.2 B66_3MHz

Band: 66 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	-3.090	-0.0018	-2.5 to 2.5	Pass
					3.85	-8.655	-0.0051	-2.5 to 2.5	Pass
					4.43	3.562	0.0021	-2.5 to 2.5	Pass
				-30	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-6.208	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-8.597	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-12.174	-0.0071	-2.5 to 2.5	Pass
				30	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				40	3.85	0.257	0.0002	-2.5 to 2.5	Pass
				50	3.85	-4.220	-0.0025	-2.5 to 2.5	Pass
	1745	15	0	20	3.27	-7.954	-0.0046	-2.5 to 2.5	Pass
					3.85	-5.550	-0.0032	-2.5 to 2.5	Pass
					4.43	3.304	0.0019	-2.5 to 2.5	Pass
				-30	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-8.984	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-5.951	-0.0034	-2.5 to 2.5	Pass
				0	3.85	1.173	0.0007	-2.5 to 2.5	Pass
				10	3.85	-7.954	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-6.852	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
				50	3.85	1.631	0.0009	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	-0.272	-0.0002	-2.5 to 2.5	Pass
					3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
					4.43	-1.545	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-2.518	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-15.335	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-5.522	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-7.038	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-8.640	-0.0049	-2.5 to 2.5	Pass

16QAM	1711.5	15	0	30	3.85	-9.613	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-2.832	-0.0016	-2.5 to 2.5	Pass
				20	3.27	-3.147	-0.0018	-2.5 to 2.5	Pass
					3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
					4.43	-2.561	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-1.130	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-9.756	-0.0057	-2.5 to 2.5	Pass
	1745	15	0	0	3.85	-9.942	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-7.854	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-9.742	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-6.094	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-0.601	-0.0004	-2.5 to 2.5	Pass
				20	3.27	2.503	0.0014	-2.5 to 2.5	Pass
					3.85	-10.443	-0.0060	-2.5 to 2.5	Pass
					4.43	-11.830	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	-7.424	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-4.034	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-5.450	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-8.926	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-10.915	-0.0063	-2.5 to 2.5	Pass
				50	3.85	0.587	0.0003	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	-0.973	-0.0005	-2.5 to 2.5	Pass
					3.85	-7.095	-0.0040	-2.5 to 2.5	Pass
					4.43	-0.815	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-7.010	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-4.005	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-10.386	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-10.729	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-13.719	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-3.448	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-8.984	-0.0051	-2.5 to 2.5	Pass

2.1.3 B66_5MHz

Band: 66 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	-5.579	-0.0033	-2.5 to 2.5	Pass
					3.85	-6.180	-0.0036	-2.5 to 2.5	Pass
					4.43	-3.448	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-8.426	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-3.533	-0.0021	-2.5 to 2.5	Pass
				0	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				10	3.85	-10.986	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-3.505	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-6.781	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
	1745	25	0	20	3.27	-4.463	-0.0026	-2.5 to 2.5	Pass
					3.85	-1.416	-0.0008	-2.5 to 2.5	Pass
					4.43	-1.445	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-4.807	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-5.836	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	0.043	0.0000	-2.5 to 2.5	Pass

				0	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-5.322	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-3.562	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-0.443	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-3.905	-0.0022	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.27	-2.489	-0.0014	-2.5 to 2.5	Pass
					3.85	-2.704	-0.0015	-2.5 to 2.5	Pass
					4.43	-4.334	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-9.284	-0.0052	-2.5 to 2.5	Pass
				0	3.85	1.159	0.0007	-2.5 to 2.5	Pass
				10	3.85	-8.054	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-2.575	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-1.130	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-8.368	-0.0047	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	0.572	0.0003	-2.5 to 2.5	Pass
					3.85	-1.645	-0.0010	-2.5 to 2.5	Pass
					4.43	-0.086	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-4.621	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-4.549	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-3.033	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				30	3.85	2.789	0.0016	-2.5 to 2.5	Pass
				40	3.85	-9.284	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-8.297	-0.0048	-2.5 to 2.5	Pass
	1745	25	0	20	3.27	-1.202	-0.0007	-2.5 to 2.5	Pass
					3.85	-4.249	-0.0024	-2.5 to 2.5	Pass
					4.43	-3.333	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-5.565	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-3.862	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-5.722	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-7.482	-0.0043	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.27	0.987	0.0006	-2.5 to 2.5	Pass
					3.85	-6.652	-0.0037	-2.5 to 2.5	Pass
					4.43	-6.108	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-5.693	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-2.174	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-4.106	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-5.994	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-10.715	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-5.465	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-6.995	-0.0039	-2.5 to 2.5	Pass

2.1.4 B66_10MHz

Band: 66 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	-2.017	-0.0012	-2.5 to 2.5	Pass
					3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
					4.43	-3.219	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass

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16QAM	1745	50	0	-20	3.85	-4.106	-0.0024	-2.5 to 2.5	Pass			
				-10	3.85	-3.433	-0.0020	-2.5 to 2.5	Pass			
				0	3.85	-7.710	-0.0045	-2.5 to 2.5	Pass			
				10	3.85	-7.095	-0.0041	-2.5 to 2.5	Pass			
				30	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass			
				40	3.85	-6.895	-0.0040	-2.5 to 2.5	Pass			
				50	3.85	-5.250	-0.0031	-2.5 to 2.5	Pass			
	1745	50	0	20	3.27	-1.545	-0.0009	-2.5 to 2.5	Pass			
					3.85	-2.532	-0.0015	-2.5 to 2.5	Pass			
					4.43	-1.359	-0.0008	-2.5 to 2.5	Pass			
				-30	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass			
				-20	3.85	-4.163	-0.0024	-2.5 to 2.5	Pass			
				-10	3.85	-3.347	-0.0019	-2.5 to 2.5	Pass			
				0	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass			
				10	3.85	-5.836	-0.0033	-2.5 to 2.5	Pass			
				30	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass			
				40	3.85	-2.947	-0.0017	-2.5 to 2.5	Pass			
	50	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass						
	1775	50	0	20	3.27	-5.264	-0.0030	-2.5 to 2.5	Pass			
					3.85	-5.579	-0.0031	-2.5 to 2.5	Pass			
					4.43	-5.808	-0.0033	-2.5 to 2.5	Pass			
				-30	3.85	-5.922	-0.0033	-2.5 to 2.5	Pass			
				-20	3.85	-5.264	-0.0030	-2.5 to 2.5	Pass			
				-10	3.85	-4.978	-0.0028	-2.5 to 2.5	Pass			
				0	3.85	-7.854	-0.0044	-2.5 to 2.5	Pass			
				10	3.85	-4.735	-0.0027	-2.5 to 2.5	Pass			
				30	3.85	-9.770	-0.0055	-2.5 to 2.5	Pass			
				40	3.85	-3.834	-0.0022	-2.5 to 2.5	Pass			
	50	3.85	-8.197	-0.0046	-2.5 to 2.5	Pass						
	1715	50	0	20	3.27	-5.307	-0.0031	-2.5 to 2.5	Pass			
					3.85	-7.682	-0.0045	-2.5 to 2.5	Pass			
					4.43	-7.052	-0.0041	-2.5 to 2.5	Pass			
				-30	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass			
				-20	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass			
				-10	3.85	-7.310	-0.0043	-2.5 to 2.5	Pass			
				0	3.85	-5.922	-0.0035	-2.5 to 2.5	Pass			
				10	3.85	-7.582	-0.0044	-2.5 to 2.5	Pass			
				30	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass			
				40	3.85	-4.048	-0.0024	-2.5 to 2.5	Pass			
				50	3.85	-7.753	-0.0045	-2.5 to 2.5	Pass			
				1745	50	0	20	3.27	-5.264	-0.0030	-2.5 to 2.5	Pass
								3.85	-5.150	-0.0030	-2.5 to 2.5	Pass
								4.43	-6.638	-0.0038	-2.5 to 2.5	Pass
							-30	3.85	-3.920	-0.0022	-2.5 to 2.5	Pass
							-20	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
	-10	3.85	-3.633				-0.0021	-2.5 to 2.5	Pass			
	0	3.85	-3.161				-0.0018	-2.5 to 2.5	Pass			
	10	3.85	-5.164				-0.0030	-2.5 to 2.5	Pass			
	30	3.85	-4.220				-0.0024	-2.5 to 2.5	Pass			
	40	3.85	-9.227				-0.0053	-2.5 to 2.5	Pass			
	50	3.85	-3.862	-0.0022	-2.5 to 2.5	Pass						
	1775	50	0	20	3.27	-2.303	-0.0013	-2.5 to 2.5	Pass			
					3.85	-6.452	-0.0036	-2.5 to 2.5	Pass			
					4.43	-7.110	-0.0040	-2.5 to 2.5	Pass			
				-30	3.85	-7.238	-0.0041	-2.5 to 2.5	Pass			
				-20	3.85	-13.261	-0.0075	-2.5 to 2.5	Pass			
				-10	3.85	-5.951	-0.0034	-2.5 to 2.5	Pass			
				0	3.85	-3.948	-0.0022	-2.5 to 2.5	Pass			
				10	3.85	-5.050	-0.0028	-2.5 to 2.5	Pass			

				30	3.85	-4.320	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-8.068	-0.0045	-2.5 to 2.5	Pass

2.1.5 B66_15MHz

Band: 66 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	-6.323	-0.0037	-2.5 to 2.5	Pass
					3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
					4.43	-4.807	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-6.008	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-6.967	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-1.817	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-7.596	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-5.636	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-8.655	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-7.739	-0.0045	-2.5 to 2.5	Pass
	50	3.85	-7.510	-0.0044	-2.5 to 2.5	Pass			
	1745	75	0	20	3.27	-5.550	-0.0032	-2.5 to 2.5	Pass
					3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
					4.43	-5.636	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-6.552	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-4.163	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-5.250	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-7.453	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-5.050	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-7.296	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
	50	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass			
	1772.5	75	0	20	3.27	-5.565	-0.0031	-2.5 to 2.5	Pass
					3.85	-3.390	-0.0019	-2.5 to 2.5	Pass
					4.43	-6.137	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-2.546	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-5.093	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-6.824	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-5.078	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-8.426	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-5.665	-0.0032	-2.5 to 2.5	Pass
40				3.85	-4.721	-0.0027	-2.5 to 2.5	Pass	
50	3.85	-4.420	-0.0025	-2.5 to 2.5	Pass				
16QAM	1717.5	75	0	20	3.27	-8.011	-0.0047	-2.5 to 2.5	Pass
					3.85	-7.253	-0.0042	-2.5 to 2.5	Pass
					4.43	-5.064	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-6.466	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-5.250	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-6.180	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-9.413	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-7.811	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-6.952	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-6.094	-0.0035	-2.5 to 2.5	Pass
	50	3.85	-8.426	-0.0049	-2.5 to 2.5	Pass			
	1745	75	0	20	3.27	-5.994	-0.0034	-2.5 to 2.5	Pass
					3.85	-5.822	-0.0033	-2.5 to 2.5	Pass
					4.43	-5.507	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
-20				3.85	-5.250	-0.0030	-2.5 to 2.5	Pass	
-10	3.85	-2.704	-0.0015	-2.5 to 2.5	Pass				

				0	3.85	-3.362	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-8.225	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-4.435	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-5.422	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-2.532	-0.0015	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.27	-6.022	-0.0034	-2.5 to 2.5	Pass
					3.85	-2.975	-0.0017	-2.5 to 2.5	Pass
					4.43	-2.146	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-6.337	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-5.021	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-4.864	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-6.523	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-4.692	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-4.778	-0.0027	-2.5 to 2.5	Pass

2.1.6 B66_20MHz

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	3.27	-1.044	-0.0006	-2.5 to 2.5	Pass
					3.85	-4.220	-0.0025	-2.5 to 2.5	Pass
					4.43	-4.692	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-7.868	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-9.384	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-8.640	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-12.245	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-4.978	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-9.999	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-4.277	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-3.576	-0.0021	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-6.151	-0.0035	-2.5 to 2.5	Pass
					3.85	-4.120	-0.0024	-2.5 to 2.5	Pass
					4.43	-4.191	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-7.625	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-4.935	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-5.493	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-5.035	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-3.920	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-2.174	-0.0012	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	-7.224	-0.0041	-2.5 to 2.5	Pass
					3.85	-7.296	-0.0041	-2.5 to 2.5	Pass
					4.43	-3.805	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-5.693	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-5.193	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-6.080	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-7.224	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-3.476	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-3.076	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-4.106	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-3.219	-0.0018	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-7.095	-0.0041	-2.5 to 2.5	Pass
					3.85	-7.911	-0.0046	-2.5 to 2.5	Pass
					4.43	-7.110	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-3.018	-0.0018	-2.5 to 2.5	Pass

				-20	3.85	-6.609	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-6.194	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-7.238	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-5.536	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-7.296	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-8.726	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-7.267	-0.0042	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-0.744	-0.0004	-2.5 to 2.5	Pass
					3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
					4.43	-6.938	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-4.392	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-7.339	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-6.151	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-4.635	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-8.211	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-6.666	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-5.136	-0.0029	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	-3.462	-0.0020	-2.5 to 2.5	Pass
					3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
					4.43	-4.320	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-5.765	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-5.708	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-2.661	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-3.877	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-6.423	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-2.618	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-1.659	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-1.316	-0.0007	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B66_1.4MHz

Band: 66 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	6	0	Refer To Test Graph		Pass
16QAM	1745	6	0	Refer To Test Graph		Pass

3.1.2 B66_3MHz

Band: 66 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	15	0	Refer To Test Graph		Pass
16QAM	1745	15	0	Refer To Test Graph		Pass

3.1.3 B66_5MHz

Band: 66 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	25	0	Refer To Test Graph		Pass
16QAM	1745	25	0	Refer To Test Graph		Pass

3.1.4 B66_10MHz

Band: 66 / Bandwidth: 10MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1745	50	0	Refer To Test Graph	
16QAM	1745	50	0	Refer To Test Graph	

3.1.5 B66_15MHz

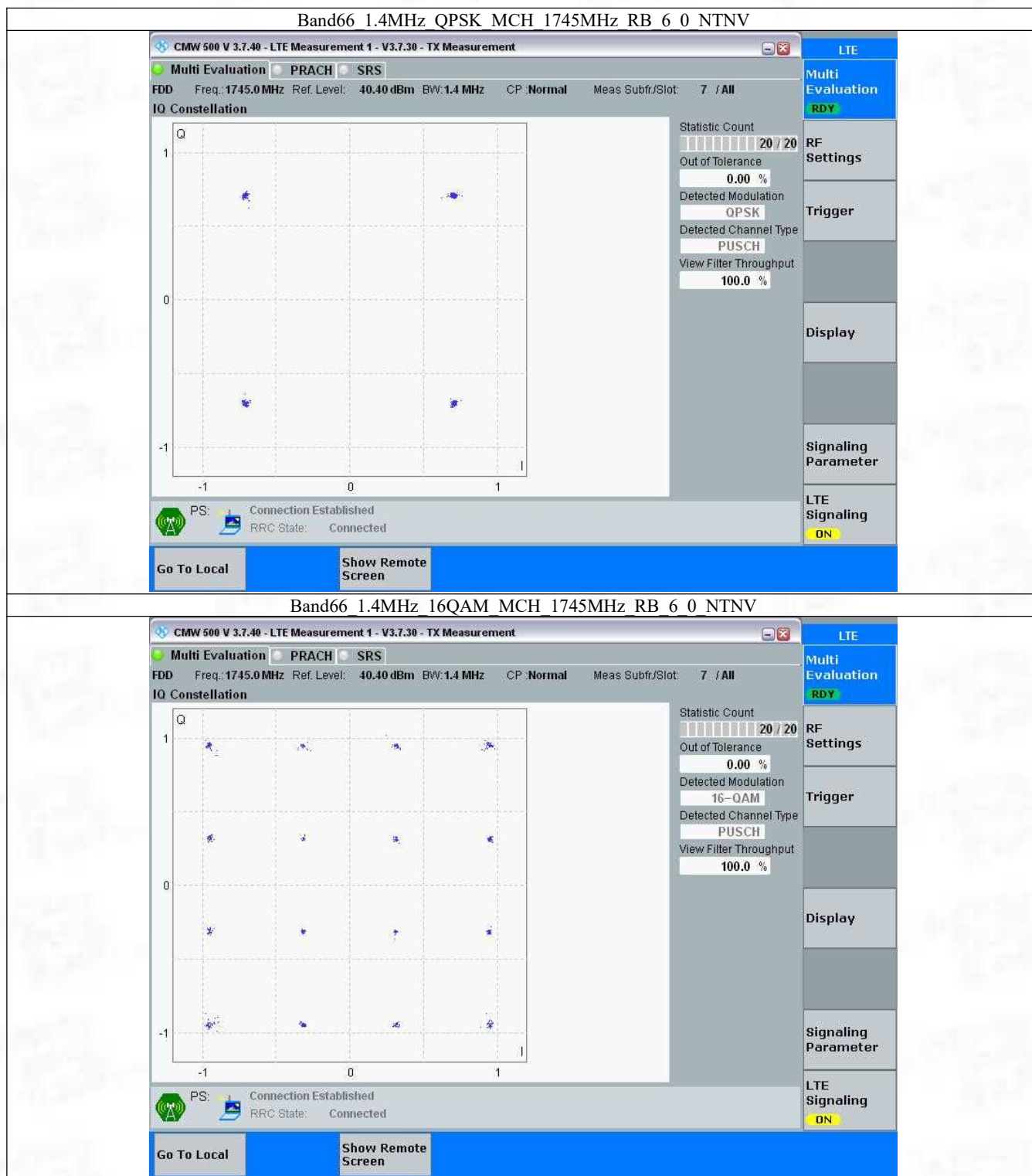
Band: 66 / Bandwidth: 15MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1745	75	0	Refer To Test Graph	
16QAM	1745	75	0	Refer To Test Graph	

3.1.6 B66_20MHz

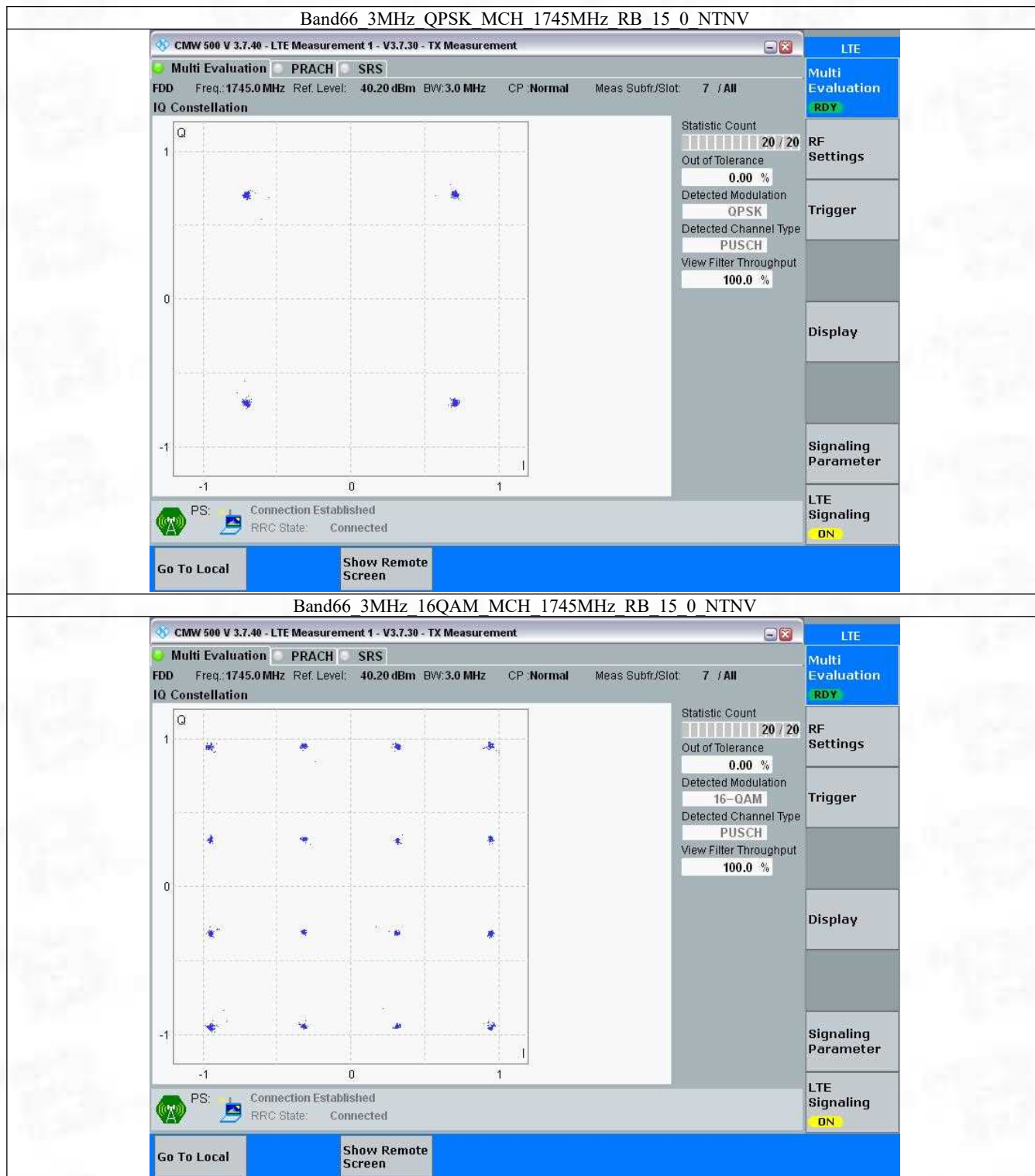
Band: 66 / Bandwidth: 20MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1745	100	0	Refer To Test Graph	
16QAM	1745	100	0	Refer To Test Graph	

3.2 Test Graph

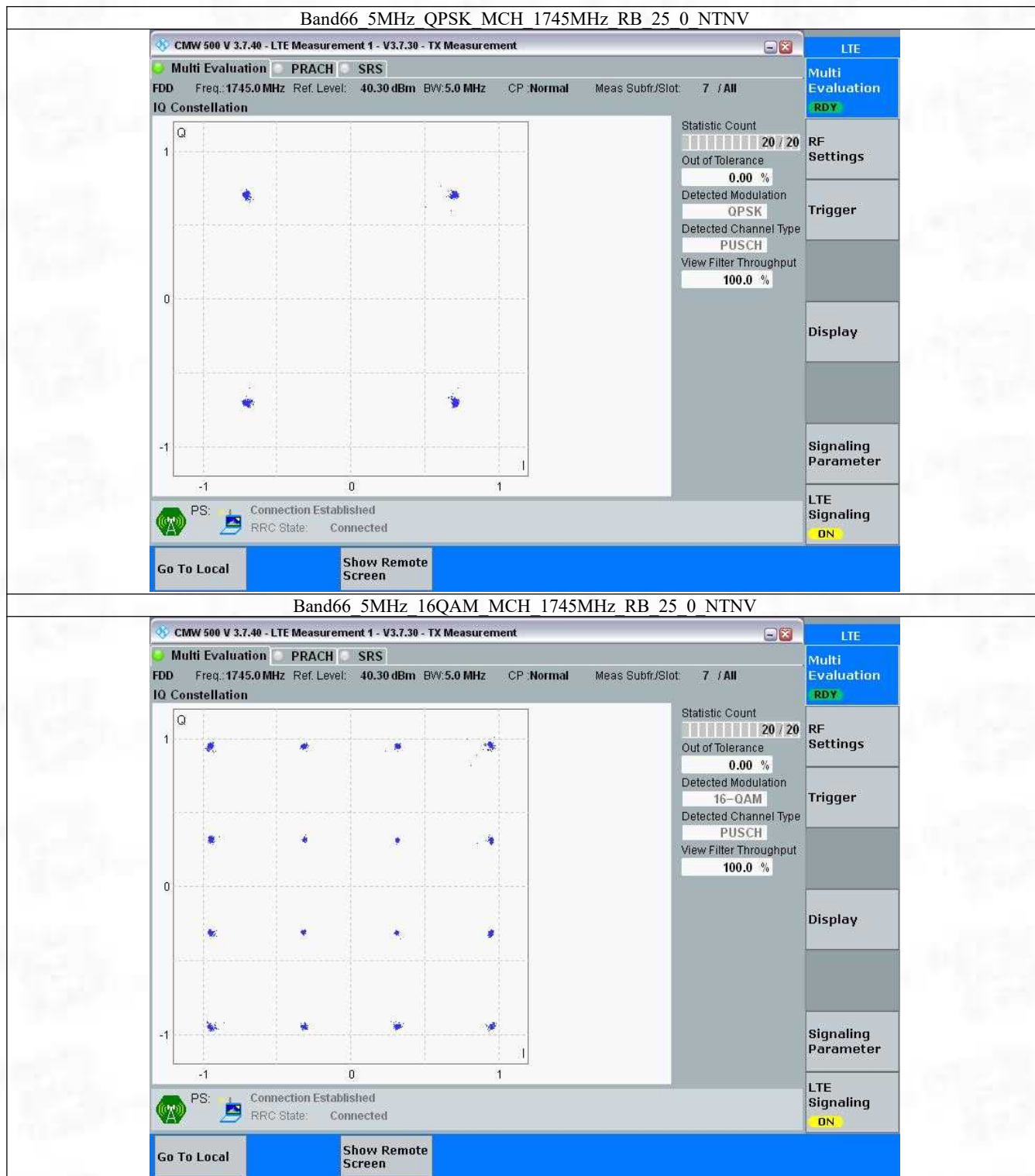
3.2.1 B66_1.4MHz



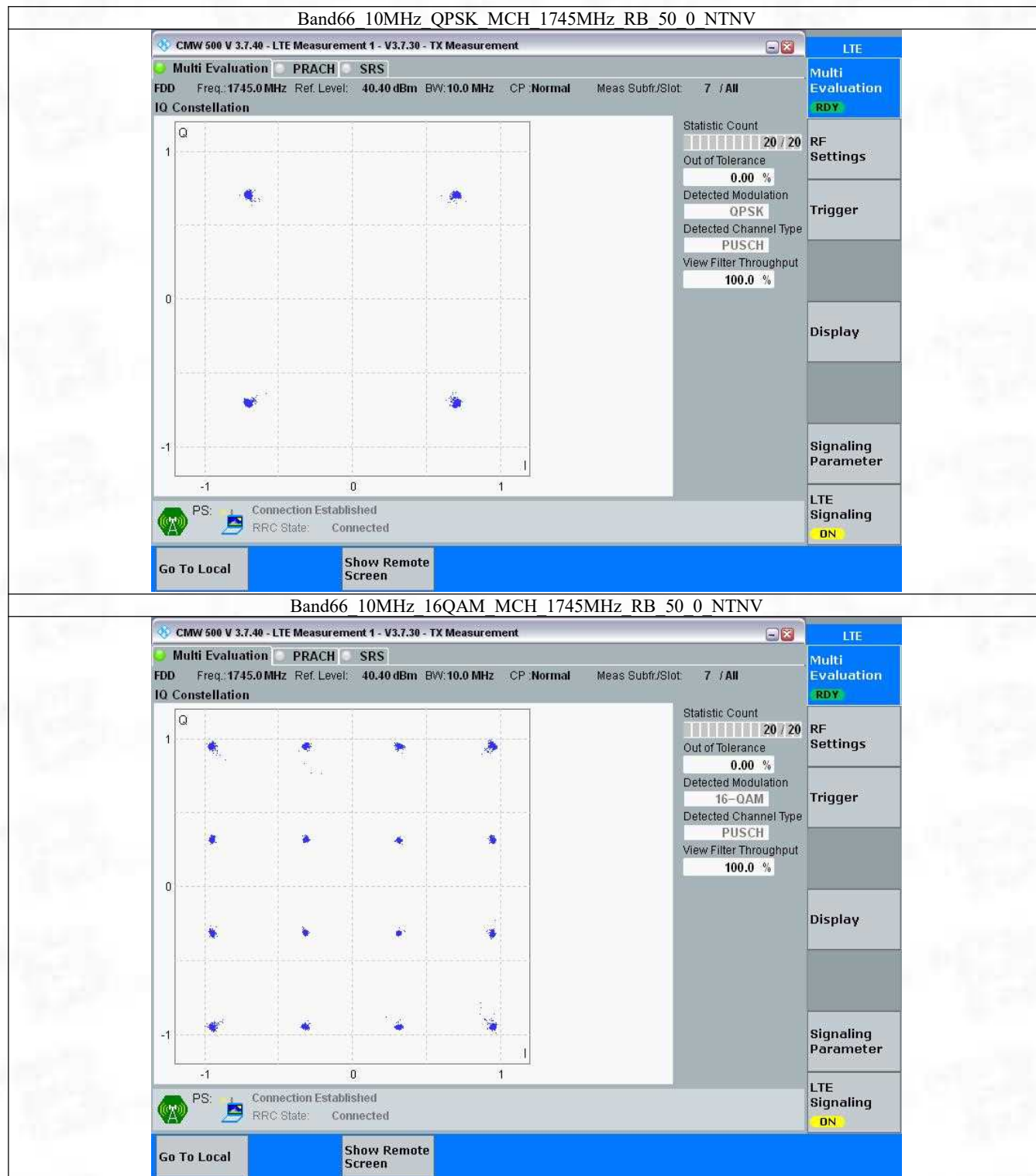
3.2.2 B66_3MHz



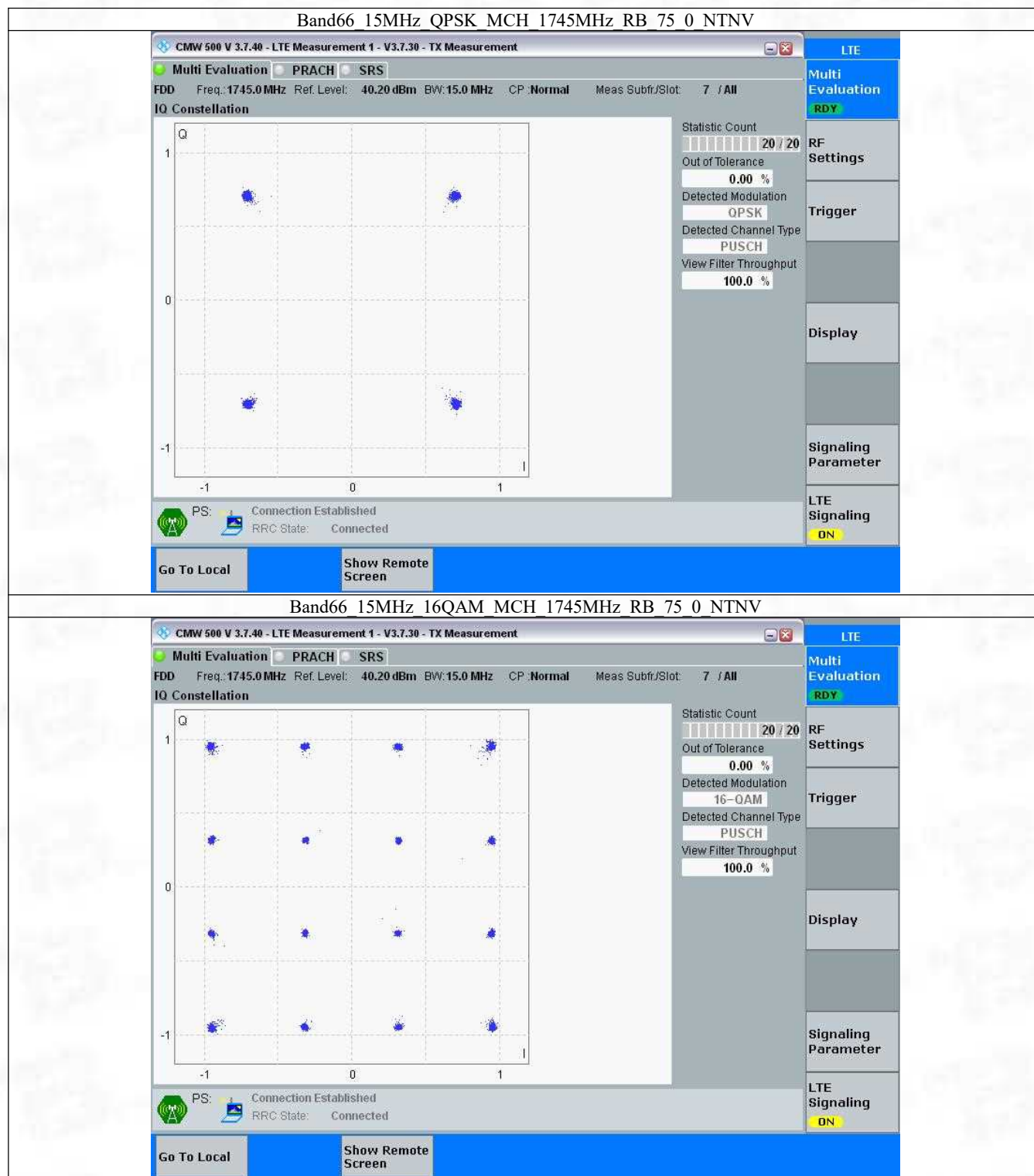
3.2.3 B66_5MHz



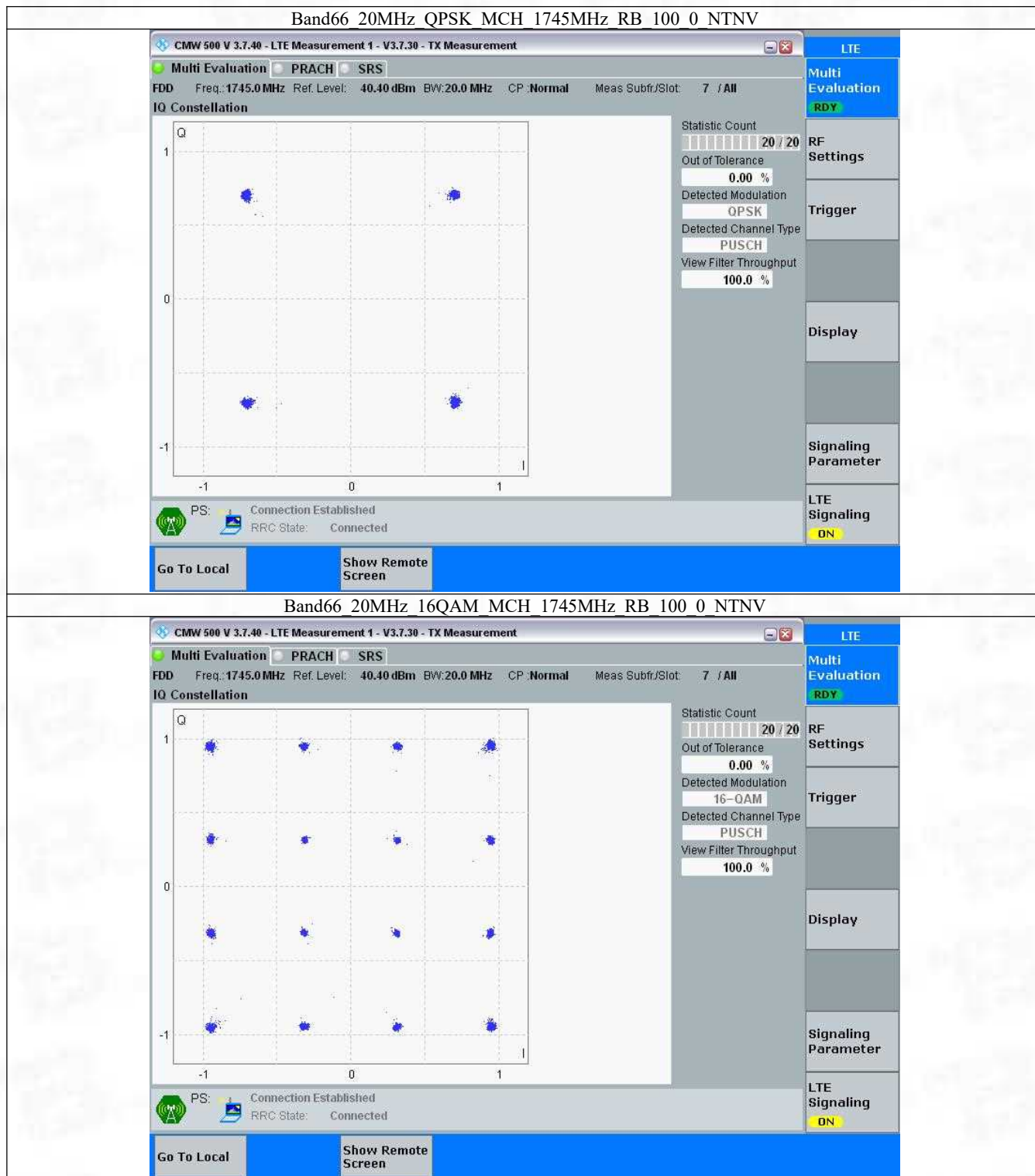
3.2.4 B66_10MHz



3.2.5 B66_15MHz



3.2.6 B66_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band66_OBW

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	1.110	/	Pass
		1745	6	0	1.120	/	Pass
		1779.3	6	0	1.108	/	Pass
	16QAM	1710.7	6	0	1.117	/	Pass
		1745	6	0	1.109	/	Pass
		1779.3	6	0	1.111	/	Pass
3	QPSK	1711.5	15	0	2.730	/	Pass
		1745	15	0	2.720	/	Pass
		1778.5	15	0	2.727	/	Pass
	16QAM	1711.5	15	0	2.723	/	Pass
		1745	15	0	2.718	/	Pass
		1778.5	15	0	2.720	/	Pass
5	QPSK	1712.5	25	0	4.574	/	Pass
		1745	25	0	4.557	/	Pass
		1777.5	25	0	4.577	/	Pass
	16QAM	1712.5	25	0	4.599	/	Pass
		1745	25	0	4.577	/	Pass
		1777.5	25	0	4.549	/	Pass
10	QPSK	1715	50	0	9.106	/	Pass
		1745	50	0	9.076	/	Pass
		1775	50	0	9.085	/	Pass
	16QAM	1715	50	0	9.075	/	Pass
		1745	50	0	9.088	/	Pass
		1775	50	0	9.077	/	Pass
15	QPSK	1717.5	75	0	13.598	/	Pass
		1745	75	0	13.594	/	Pass
		1772.5	75	0	13.630	/	Pass
	16QAM	1717.5	75	0	13.576	/	Pass
		1745	75	0	13.631	/	Pass
		1772.5	75	0	13.623	/	Pass
20	QPSK	1720	100	0	18.077	/	Pass
		1745	100	0	18.167	/	Pass
		1770	100	0	18.188	/	Pass
	16QAM	1720	100	0	18.073	/	Pass
		1745	100	0	18.116	/	Pass
		1770	100	0	18.261	/	Pass

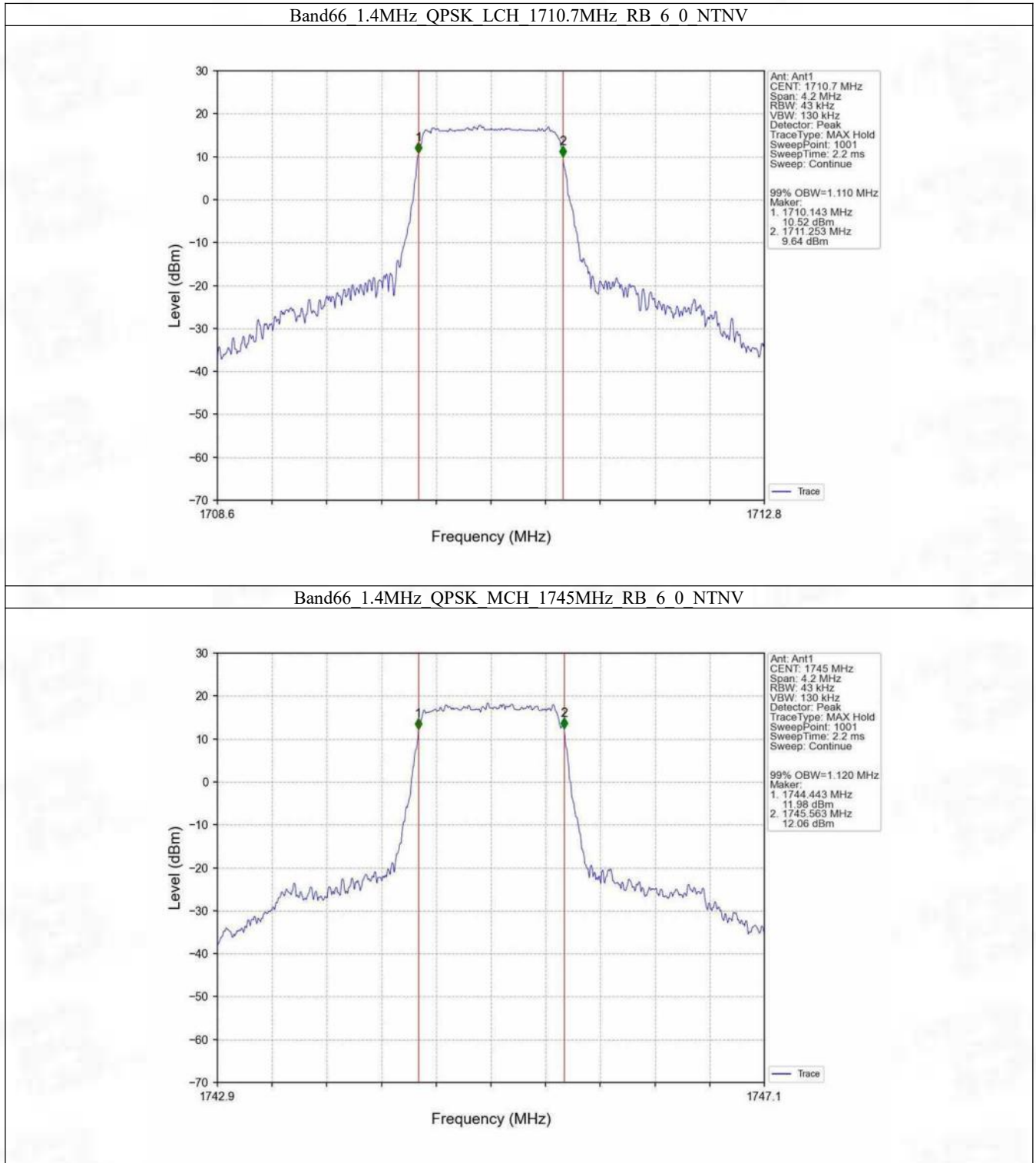
4.1.2 Band66_XDB

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	1.314	/	Pass
		1745	6	0	1.306	/	Pass
		1779.3	6	0	1.314	/	Pass
	16QAM	1710.7	6	0	1.325	/	Pass
		1745	6	0	1.321	/	Pass

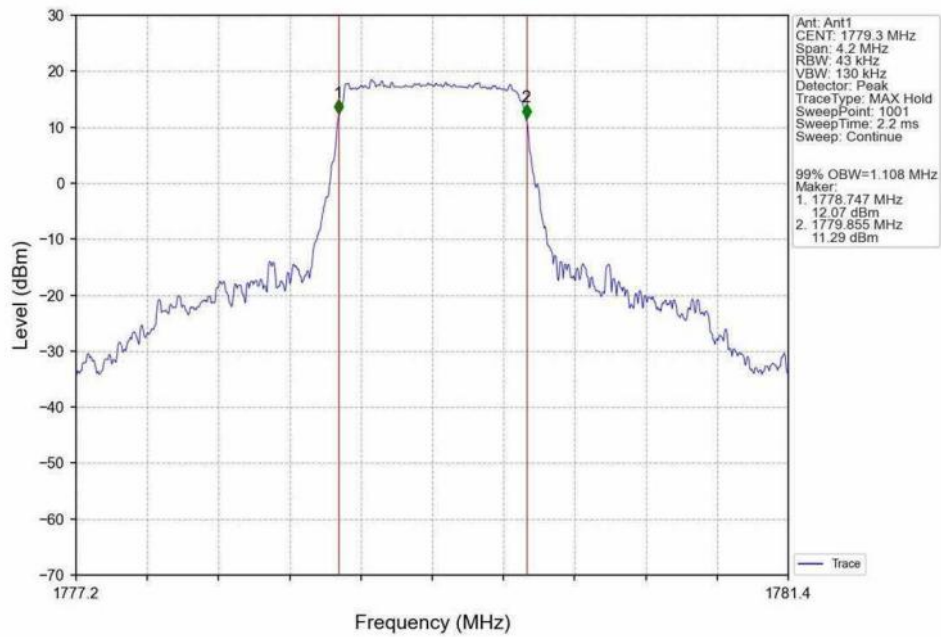
3	QPSK	1779.3	6	0	1.305	/	Pass
		1711.5	15	0	2.987	/	Pass
		1745	15	0	2.999	/	Pass
		1778.5	15	0	2.999	/	Pass
	16QAM	1711.5	15	0	2.990	/	Pass
		1745	15	0	2.999	/	Pass
		1778.5	15	0	2.980	/	Pass
5	QPSK	1712.5	25	0	5.255	/	Pass
		1745	25	0	5.270	/	Pass
		1777.5	25	0	5.252	/	Pass
	16QAM	1712.5	25	0	5.278	/	Pass
		1745	25	0	5.309	/	Pass
		1777.5	25	0	5.264	/	Pass
10	QPSK	1715	50	0	10.335	/	Pass
		1745	50	0	10.238	/	Pass
		1775	50	0	10.313	/	Pass
	16QAM	1715	50	0	10.203	/	Pass
		1745	50	0	10.289	/	Pass
		1775	50	0	10.122	/	Pass
15	QPSK	1717.5	75	0	15.337	/	Pass
		1745	75	0	15.275	/	Pass
		1772.5	75	0	15.364	/	Pass
	16QAM	1717.5	75	0	15.214	/	Pass
		1745	75	0	15.259	/	Pass
		1772.5	75	0	15.244	/	Pass
20	QPSK	1720	100	0	20.232	/	Pass
		1745	100	0	20.126	/	Pass
		1770	100	0	20.111	/	Pass
	16QAM	1720	100	0	20.611	/	Pass
		1745	100	0	20.207	/	Pass
		1770	100	0	20.077	/	Pass

4.2 Test Graph

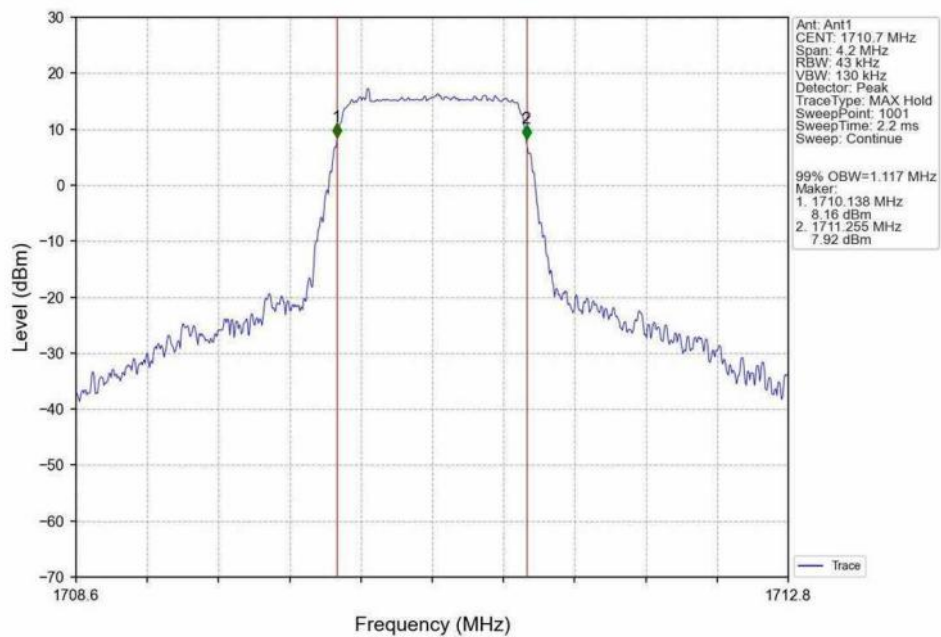
4.2.1 Band66_OBW



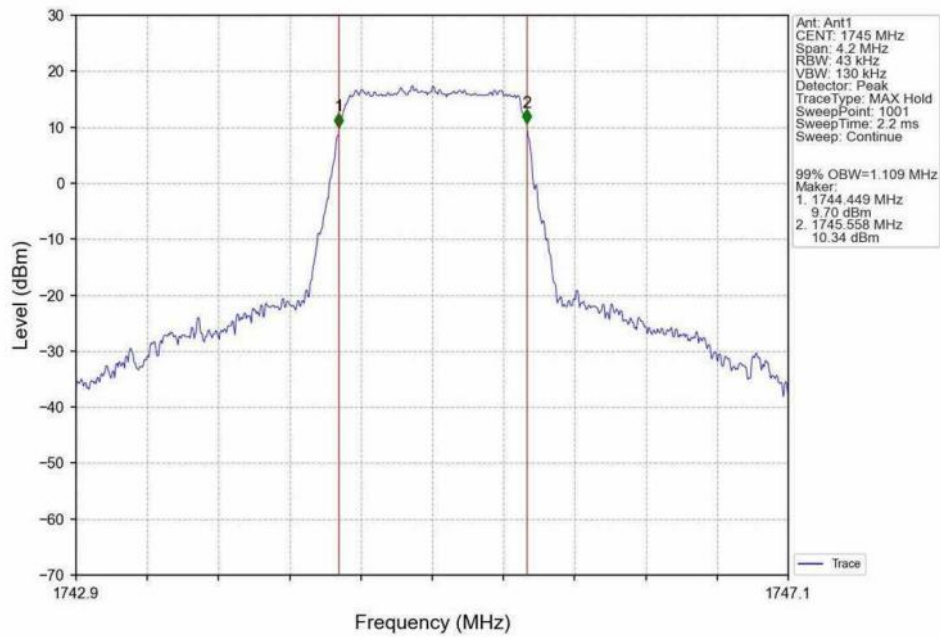
Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTNV



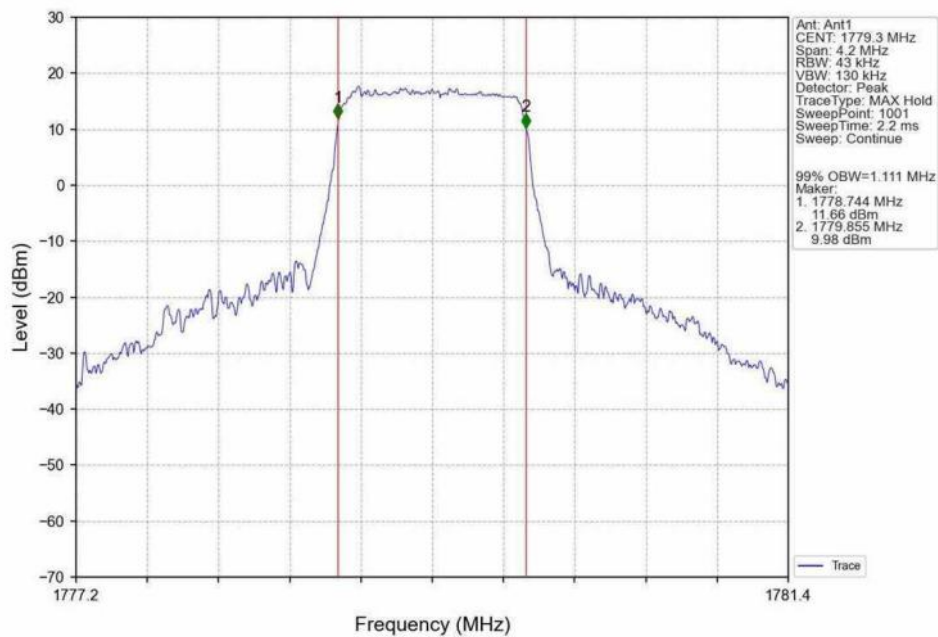
Band66 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



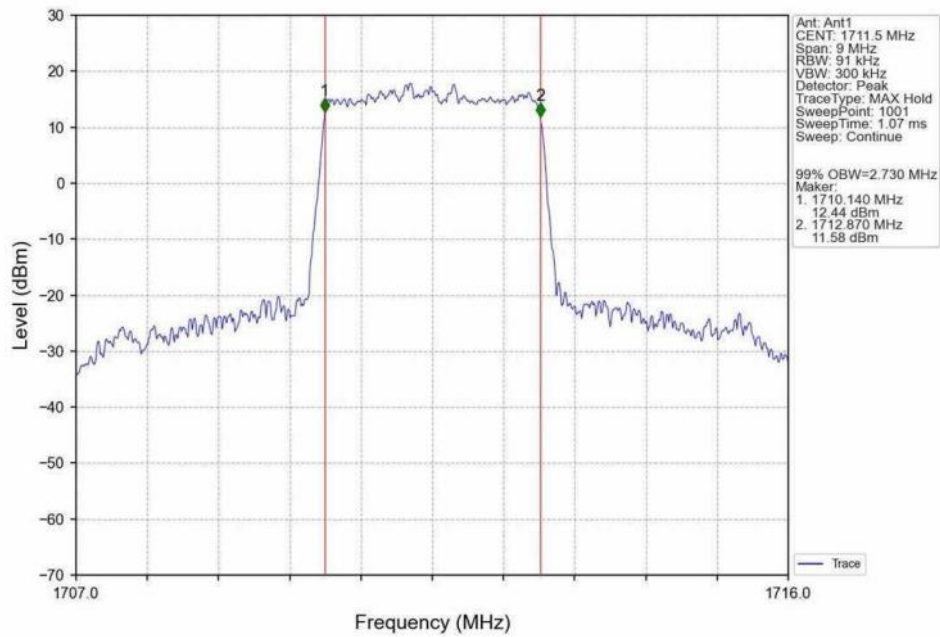
Band66 1.4MHz 16QAM MCH 1745MHz RB 6 0 NTNV



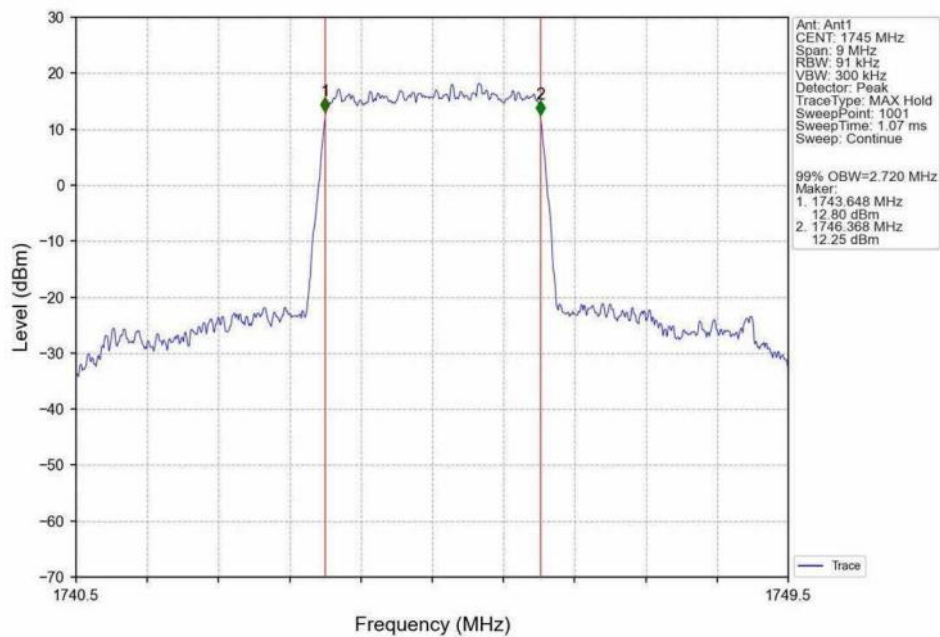
Band66 1.4MHz 16QAM HCH 1779.3MHz RB 6 0 NTNV



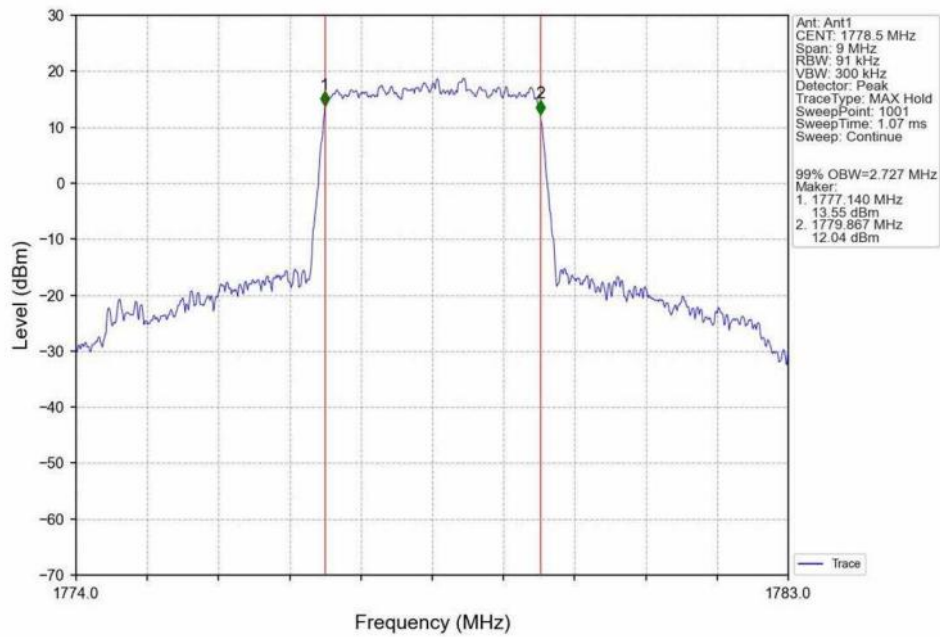
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



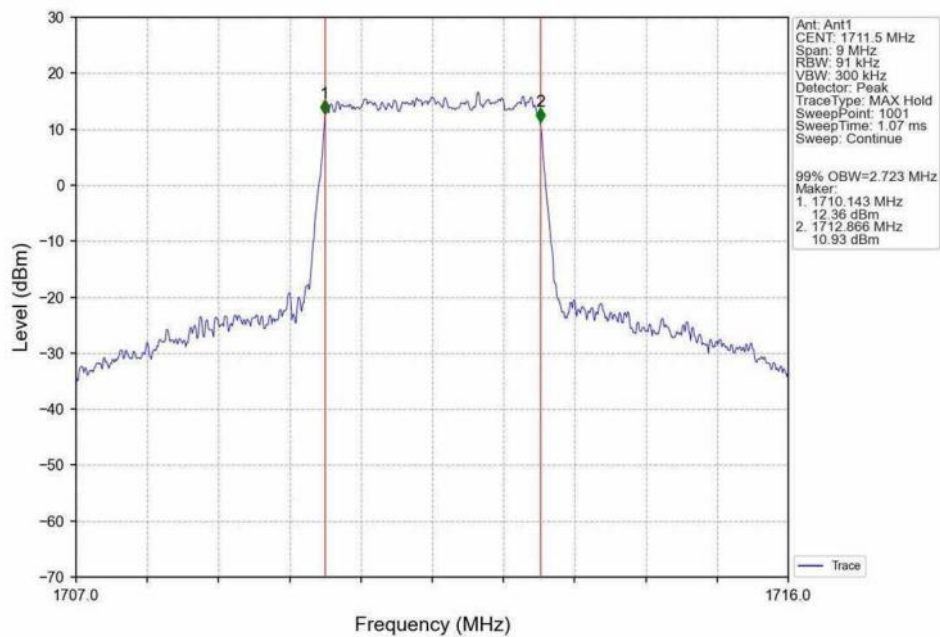
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



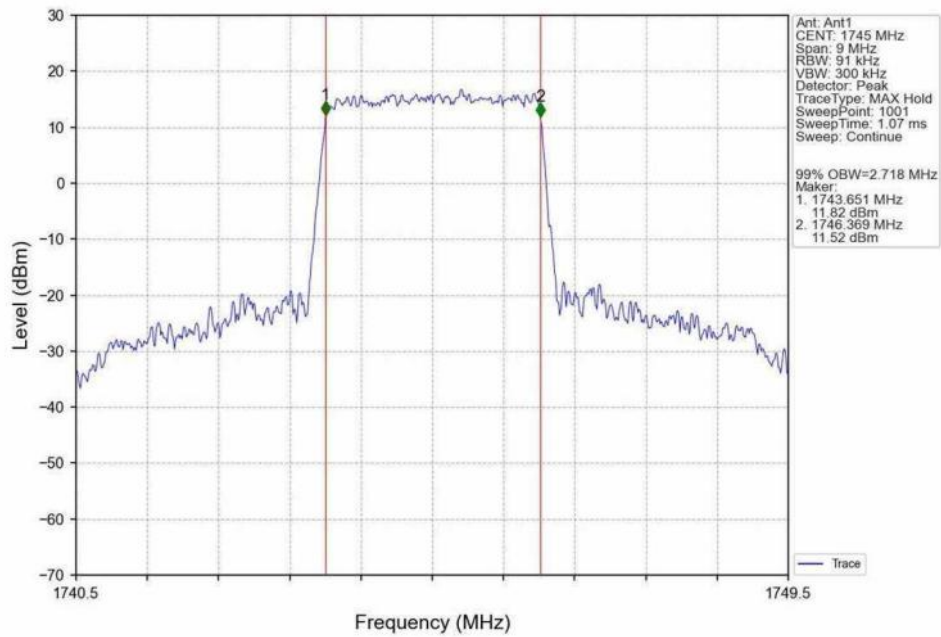
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



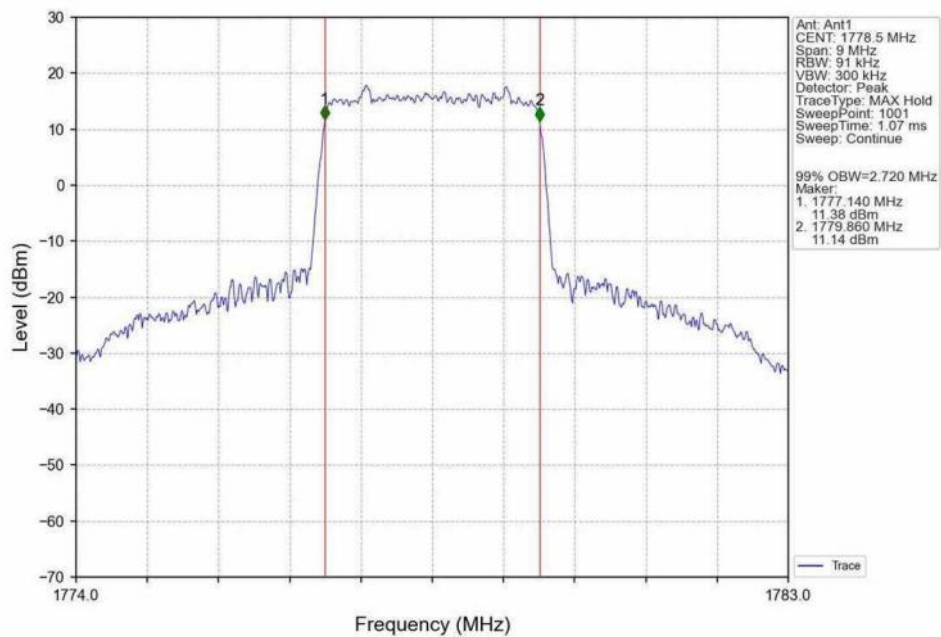
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



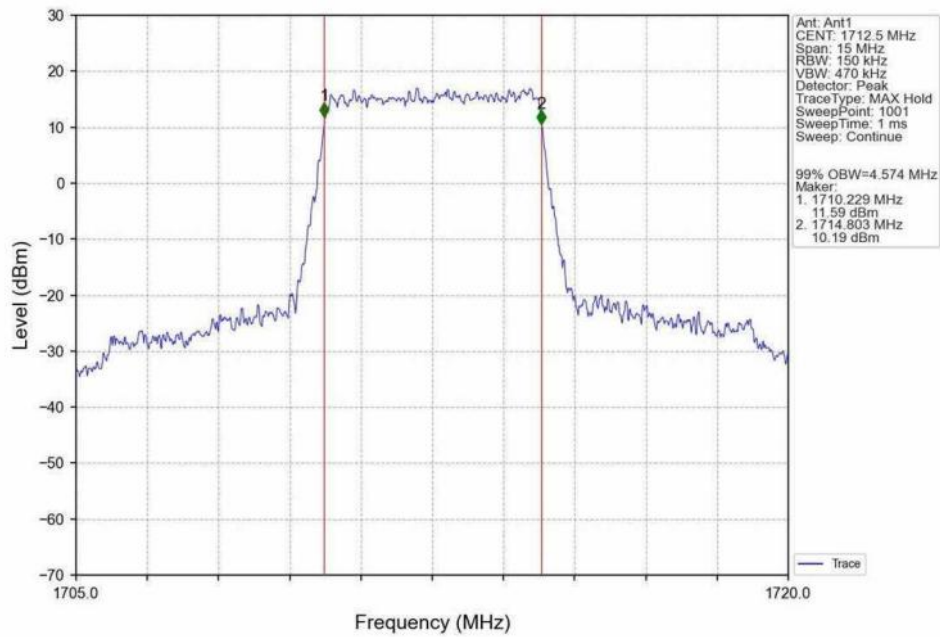
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



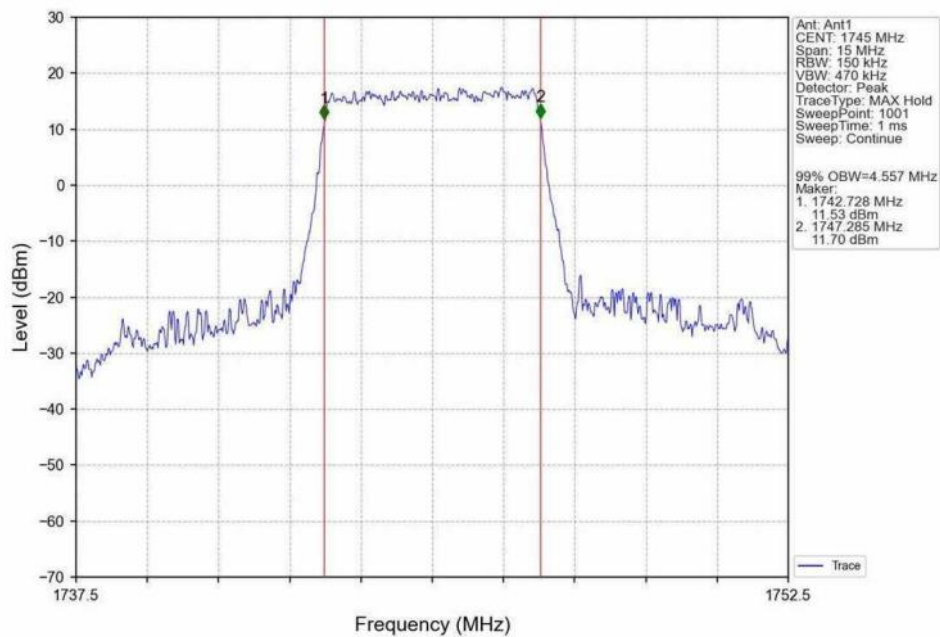
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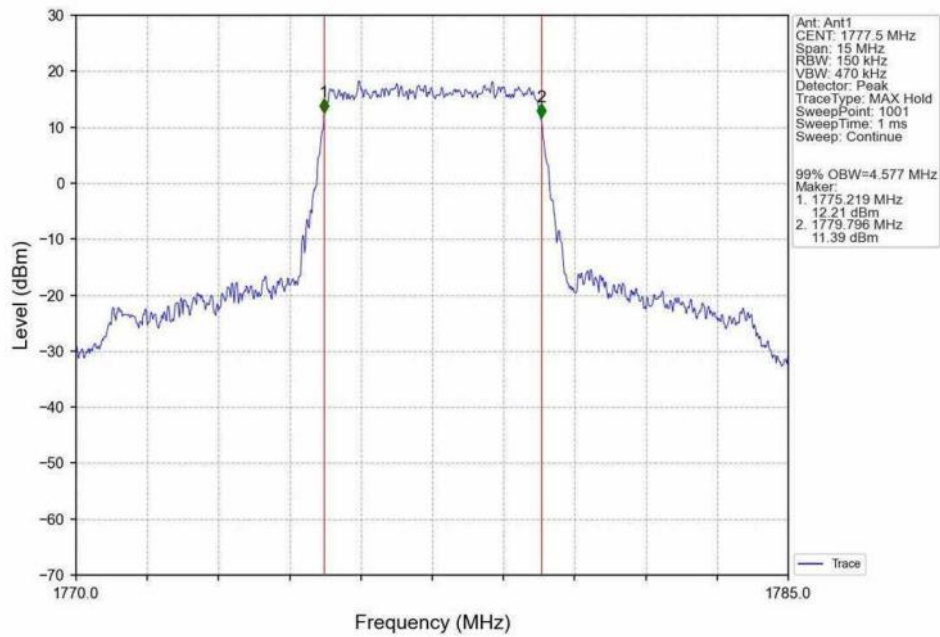
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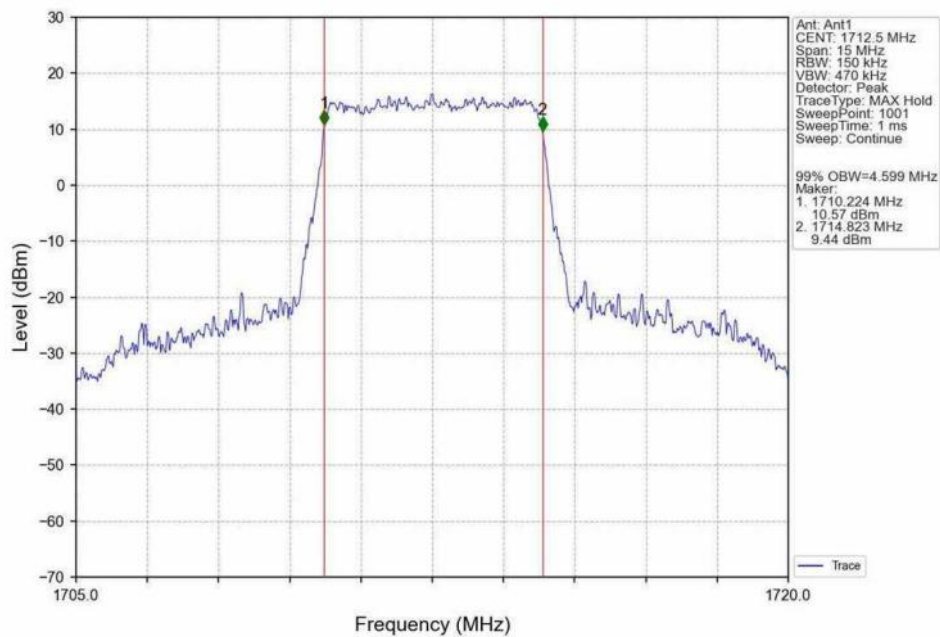
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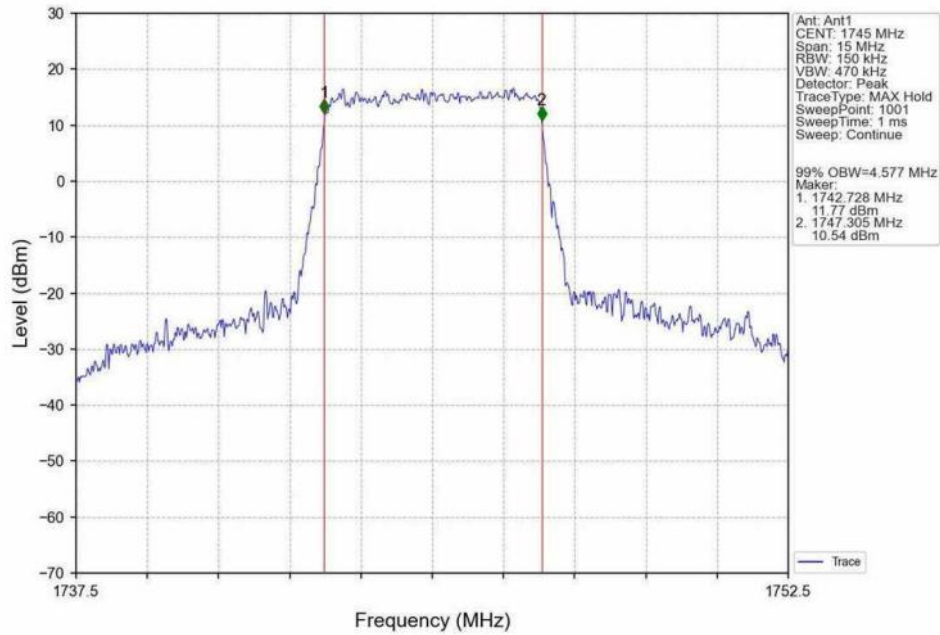
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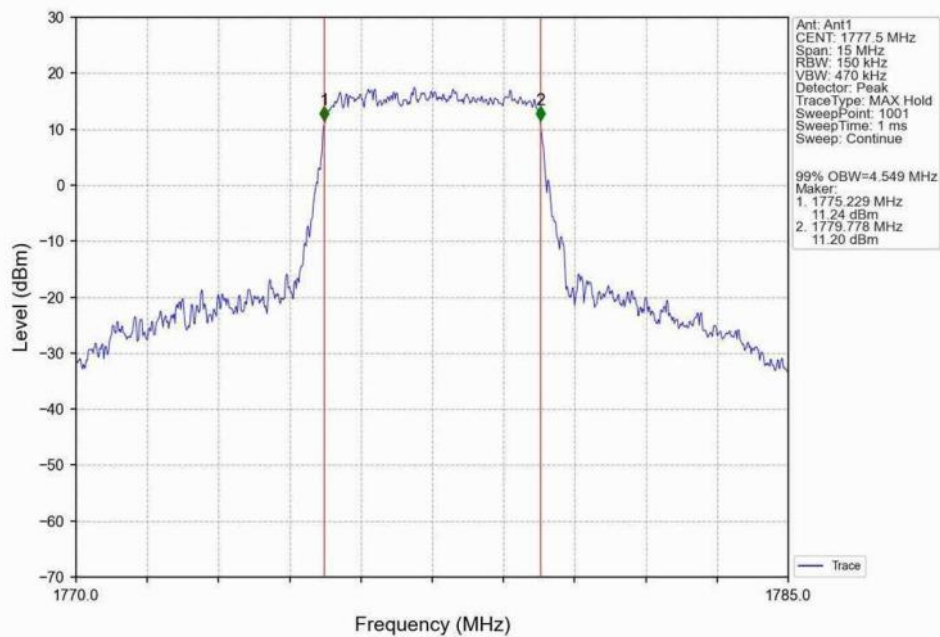
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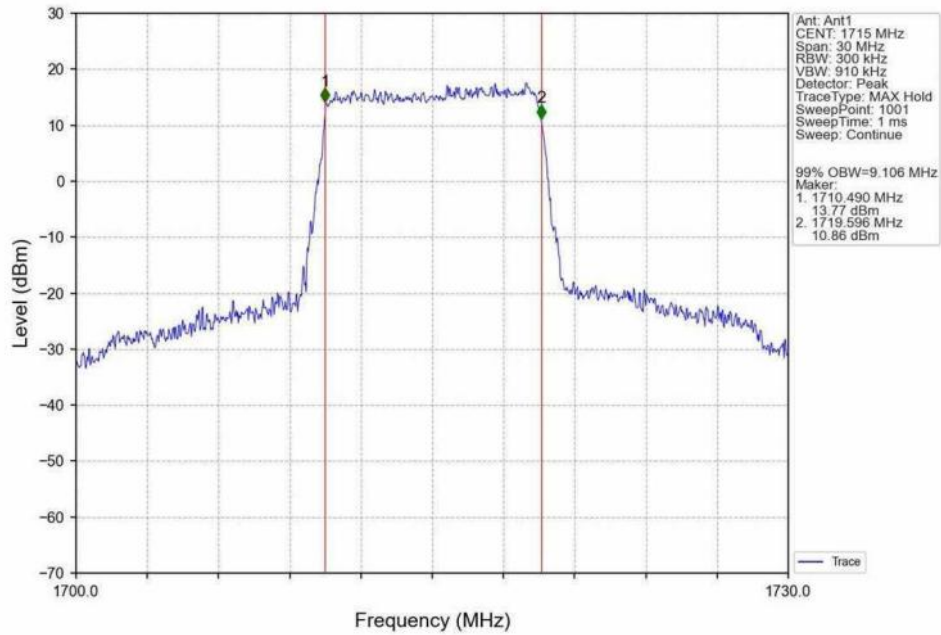
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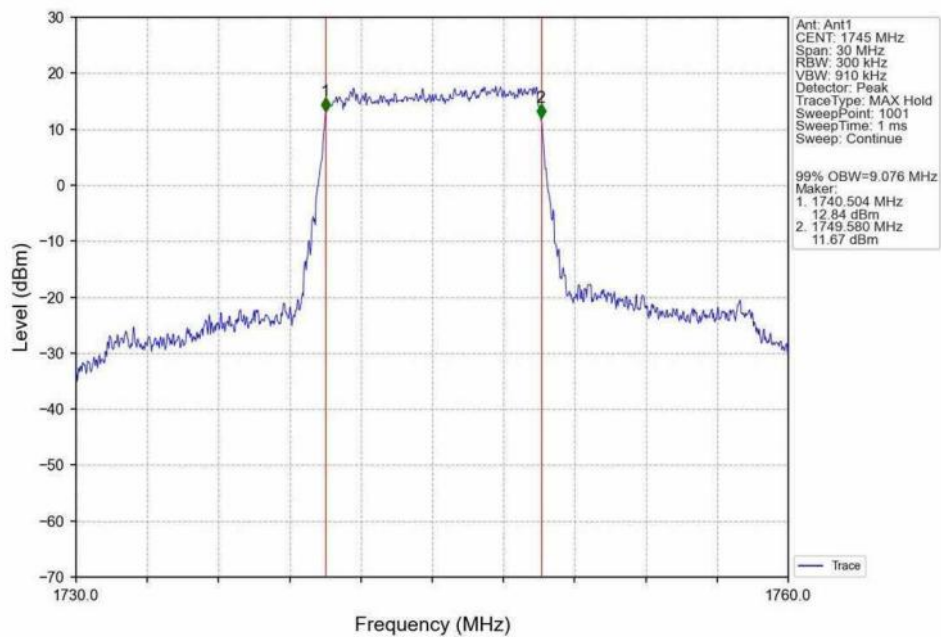
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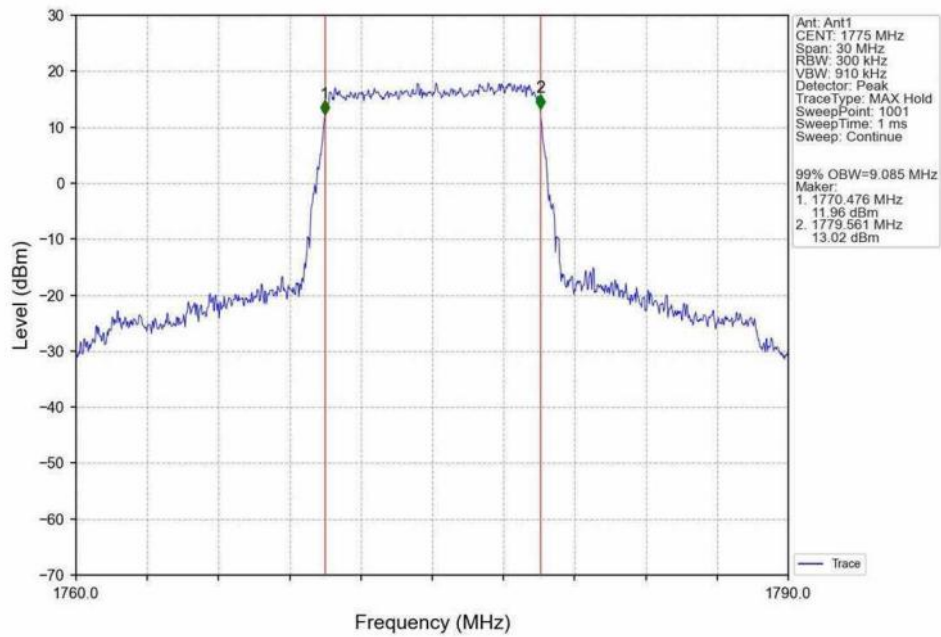
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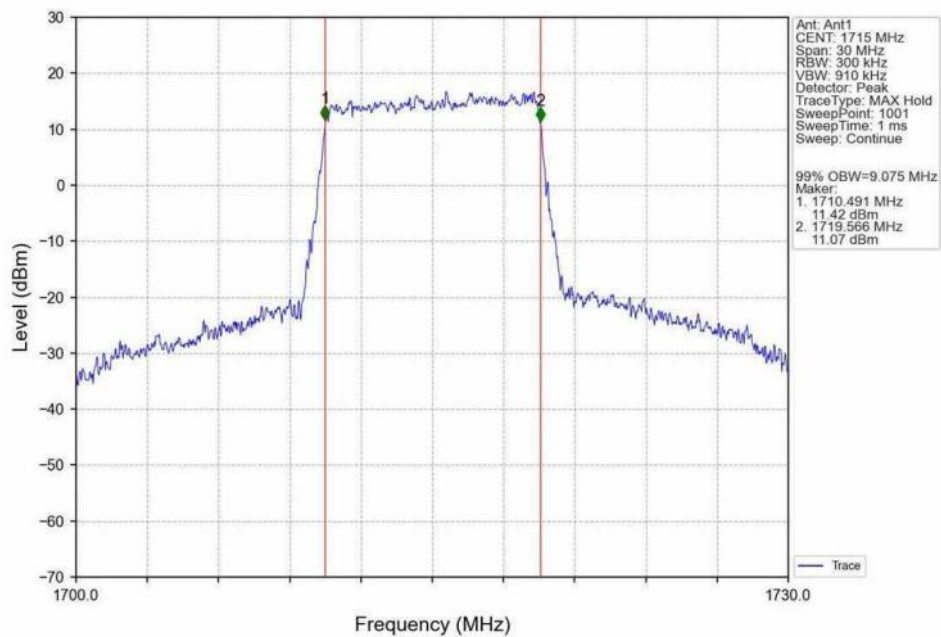
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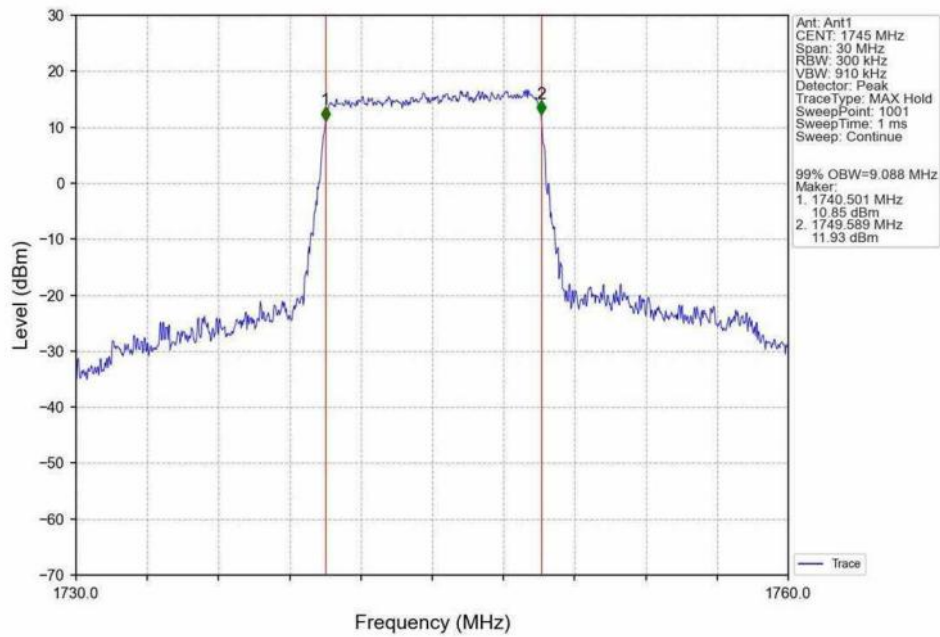
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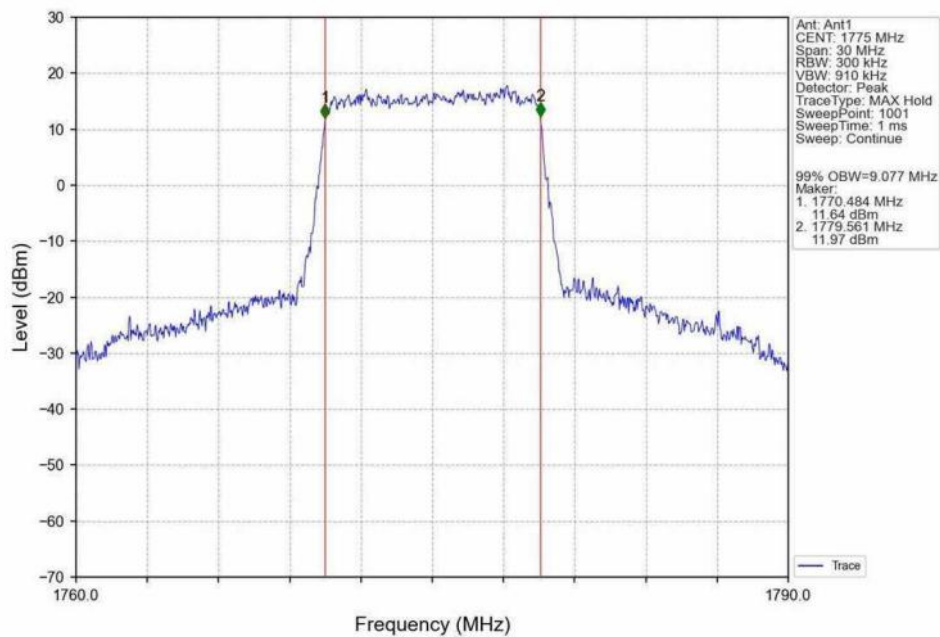
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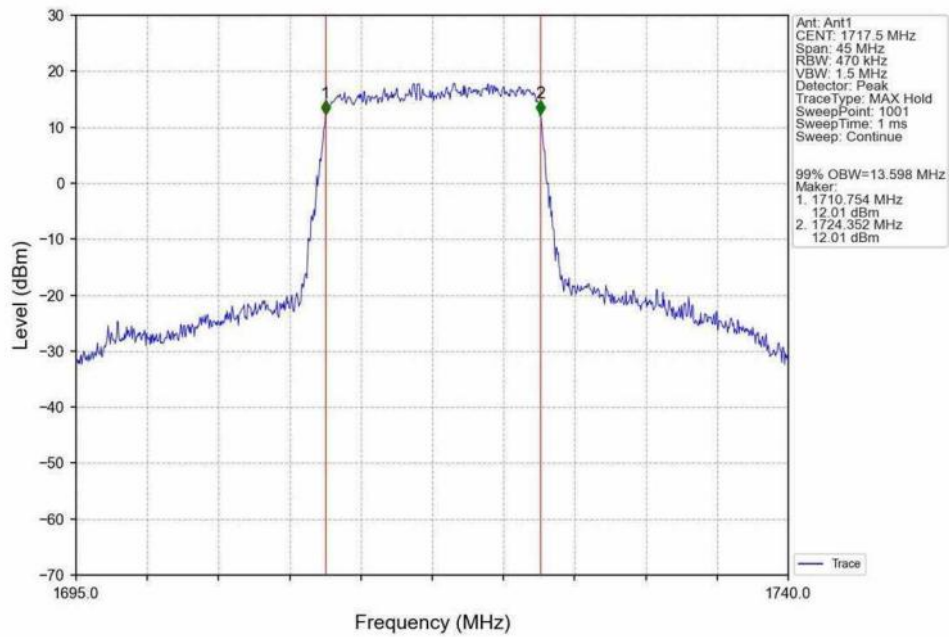
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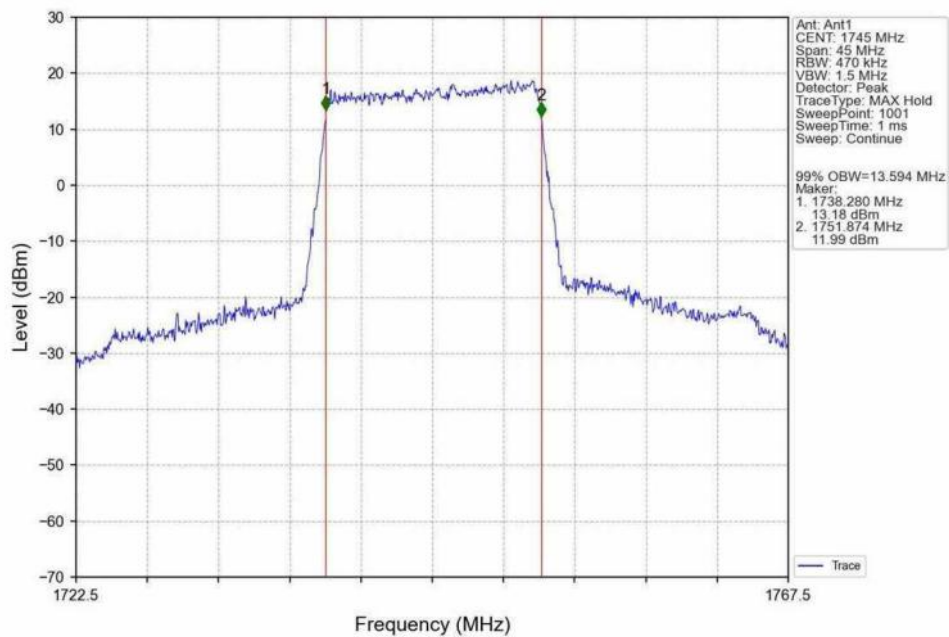
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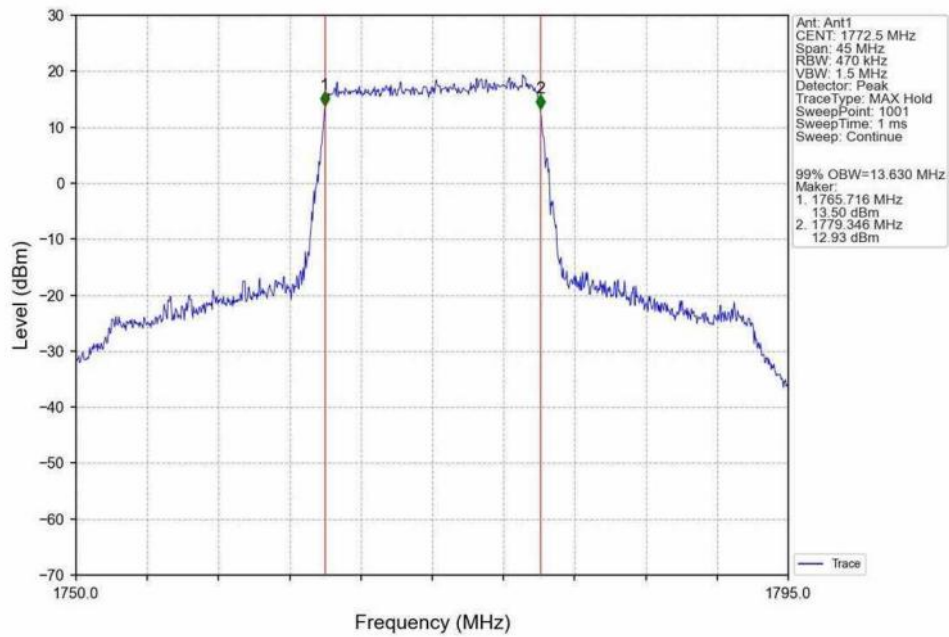
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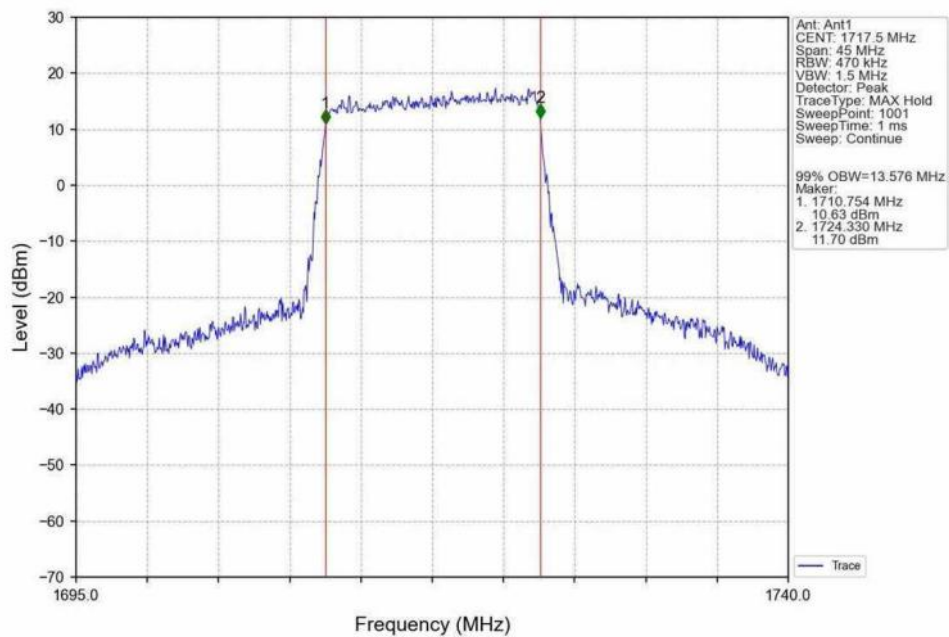
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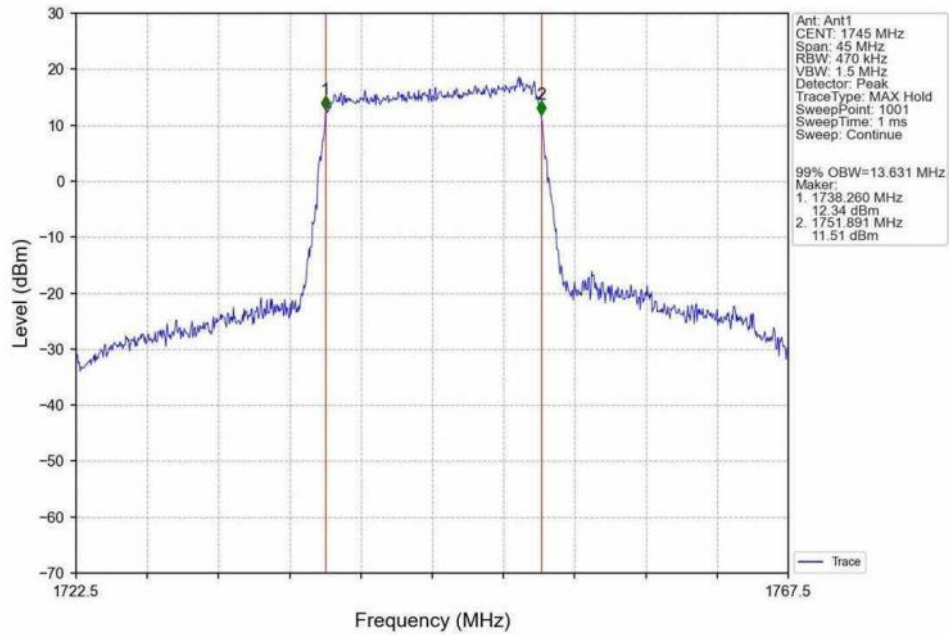
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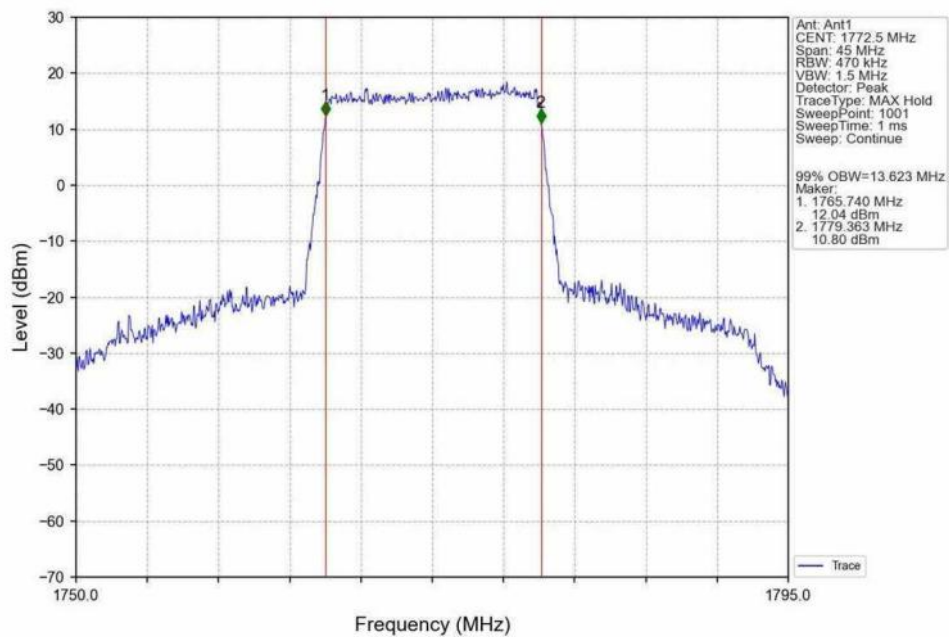
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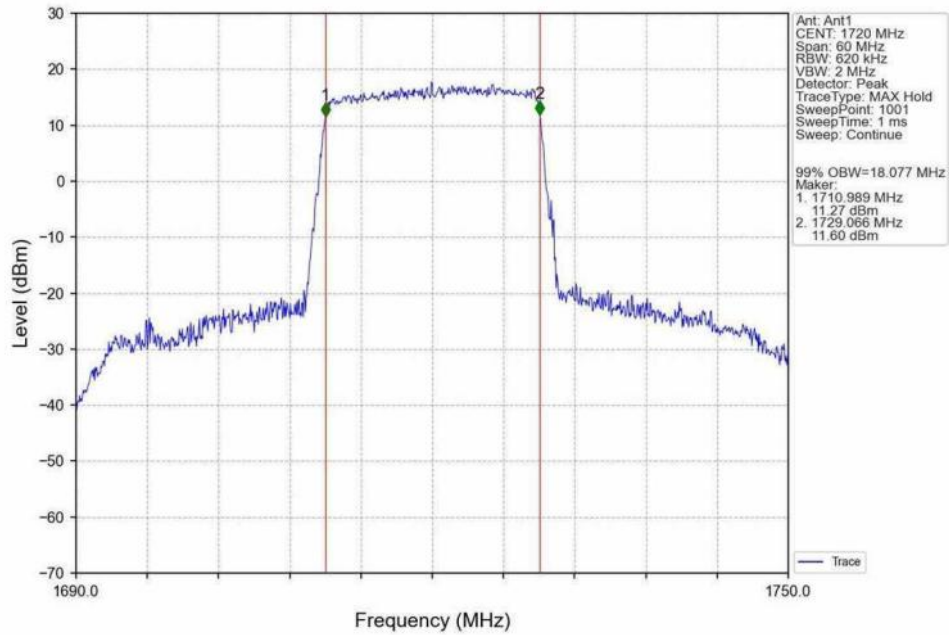
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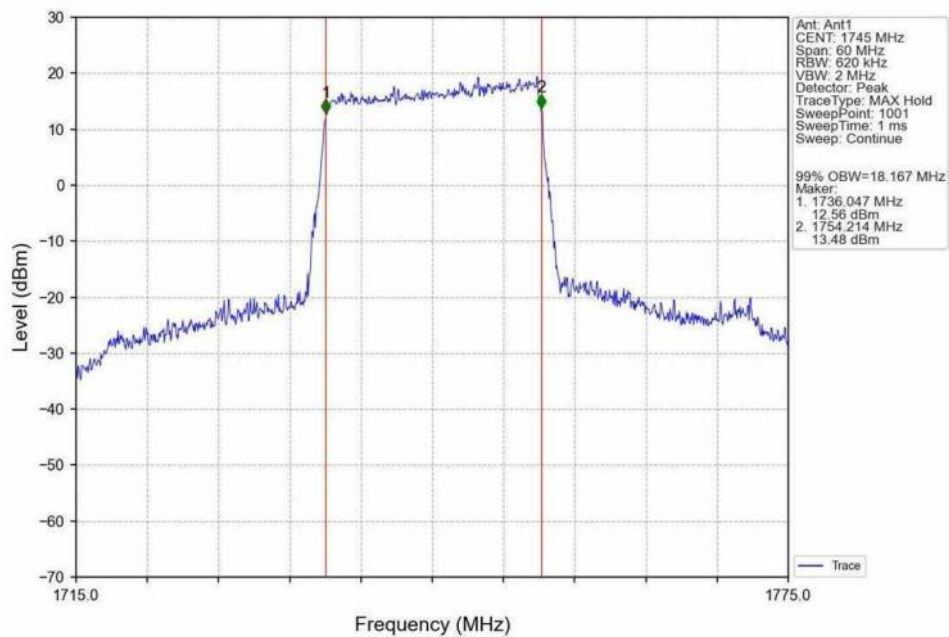
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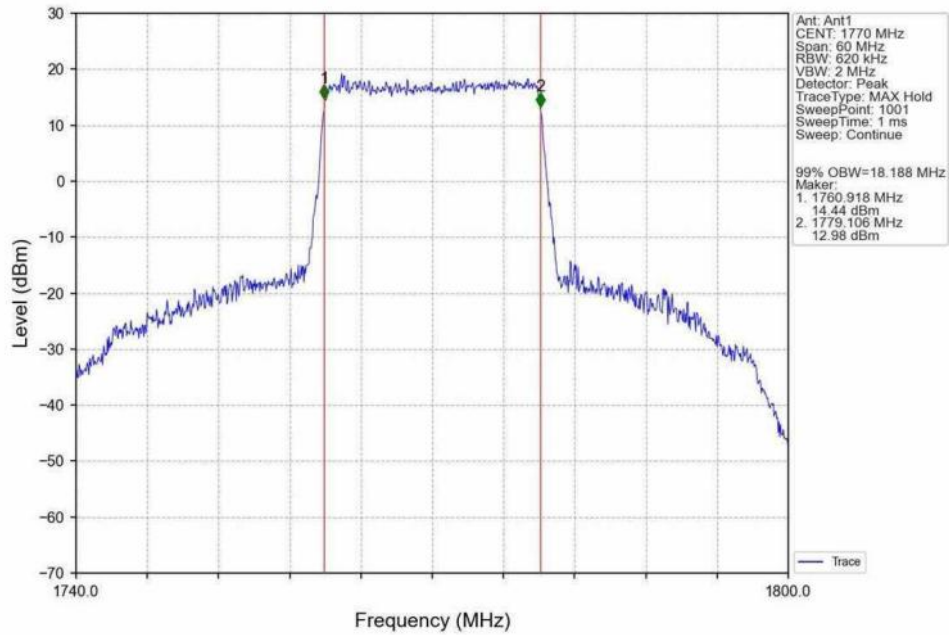
Band66 20MHz QPSK LCH 1720MHz RB 100 0 NTNV



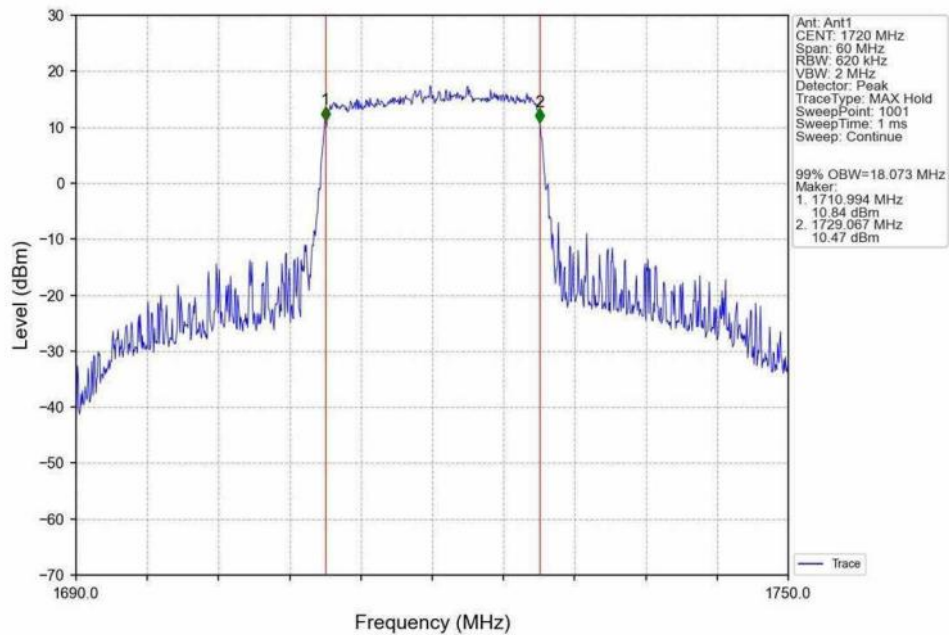
Band66 20MHz QPSK MCH 1745MHz RB 100 0 NTNV



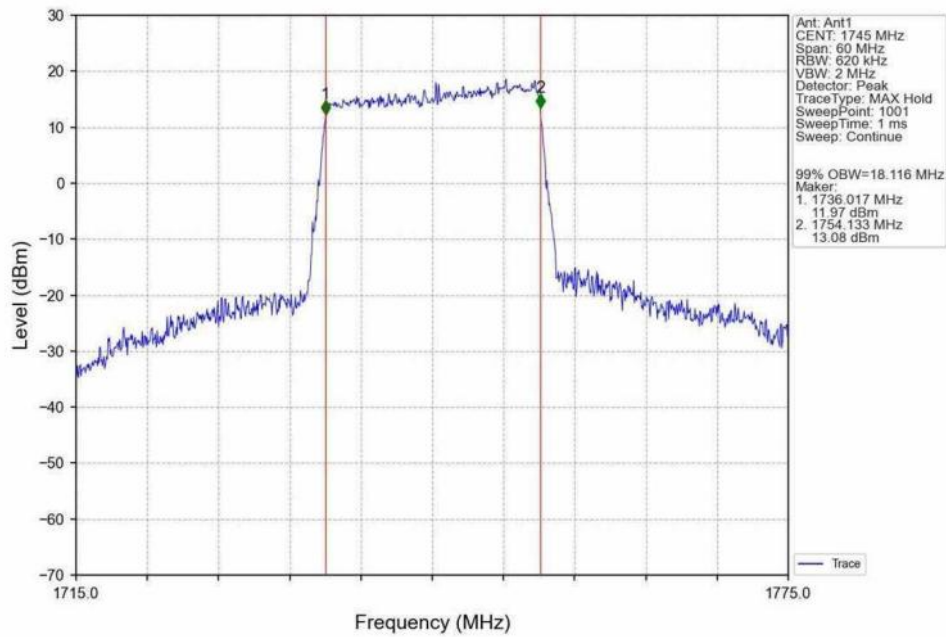
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



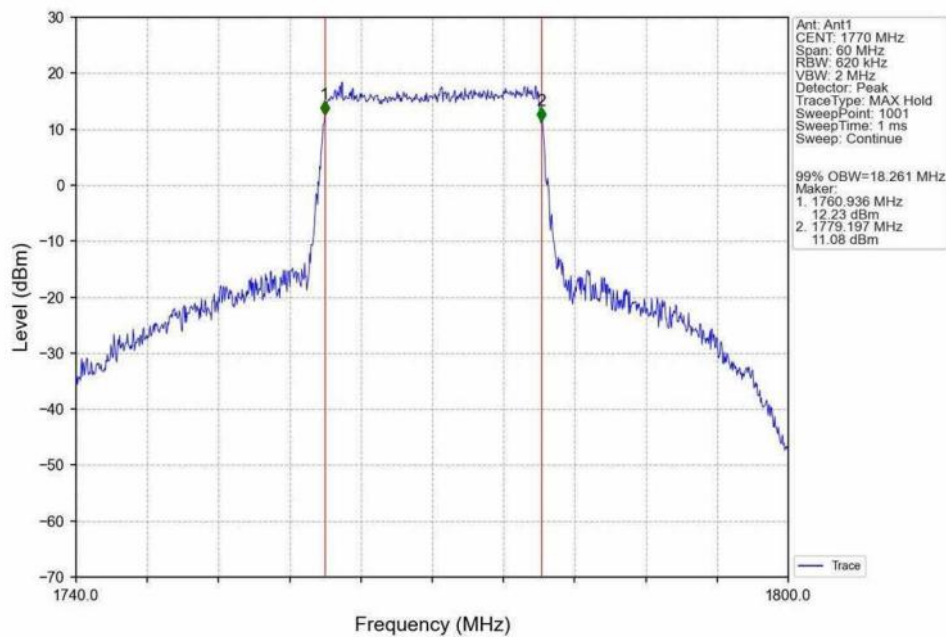
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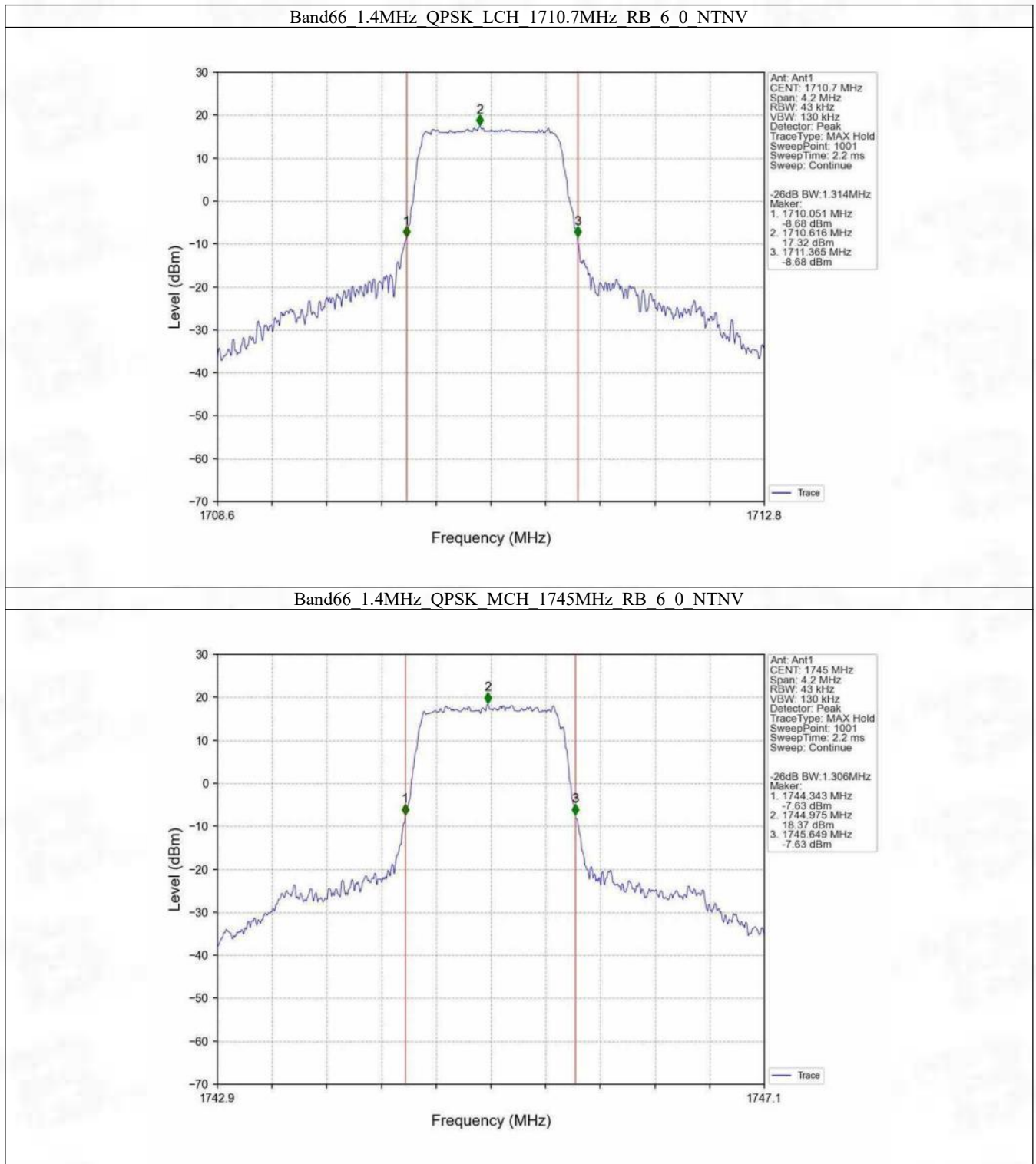
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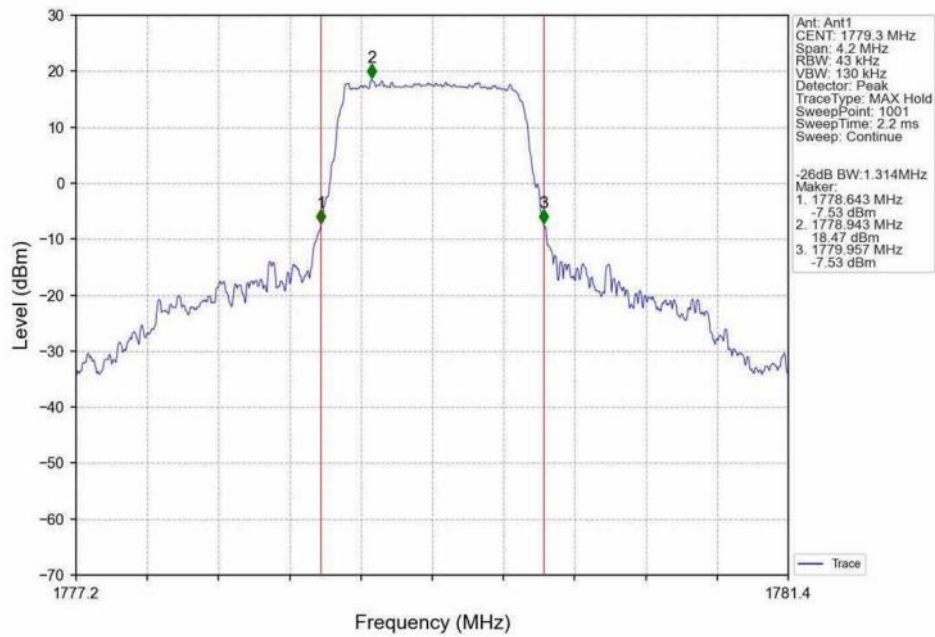
Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



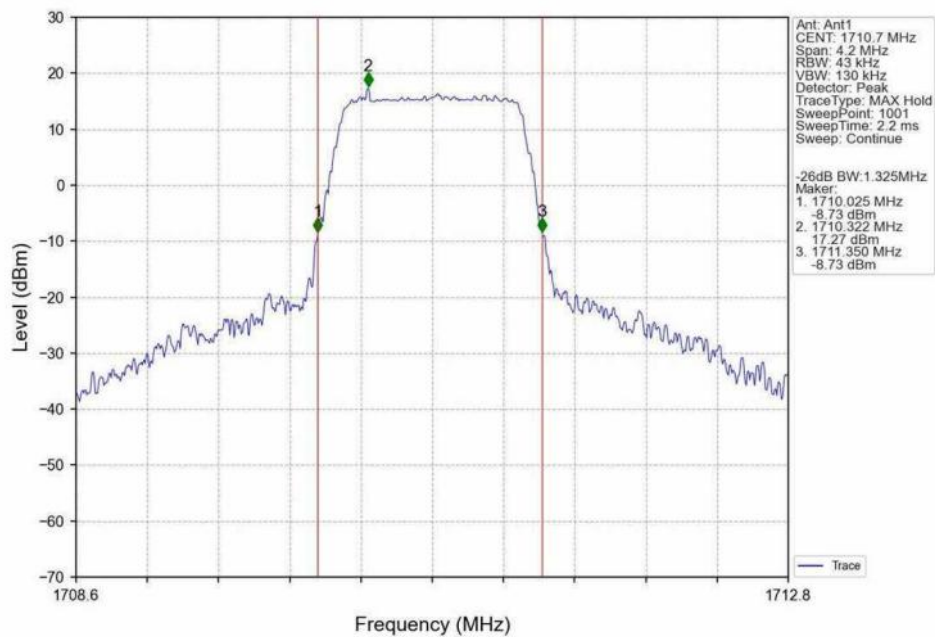
4.2.2 Band66_XDB



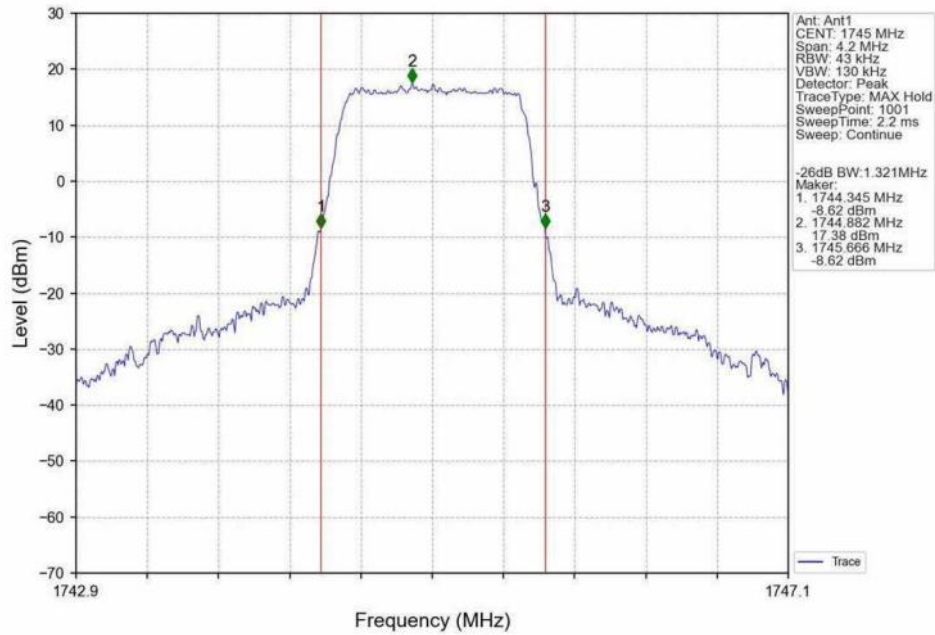
Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTNV



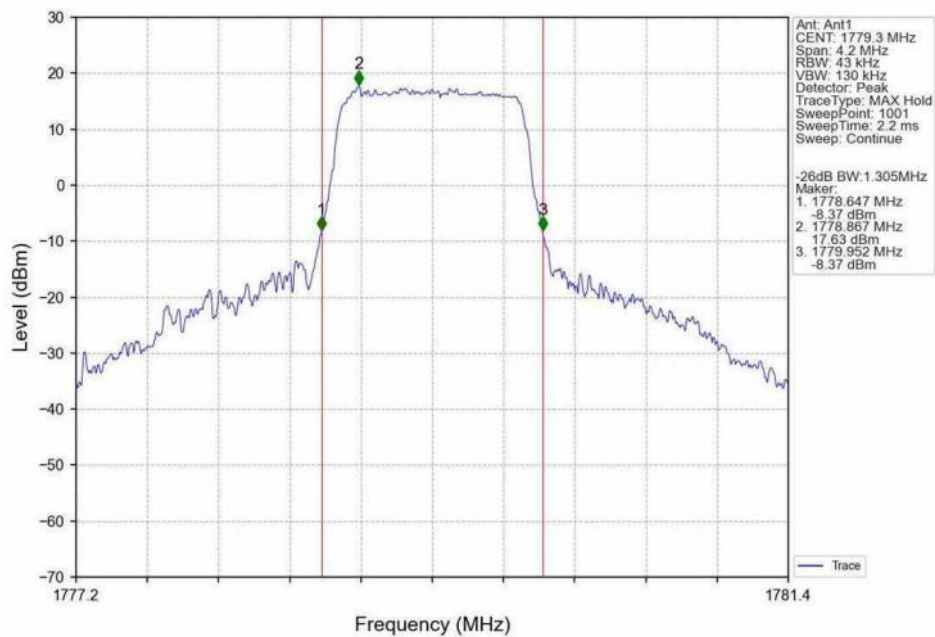
Band66 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



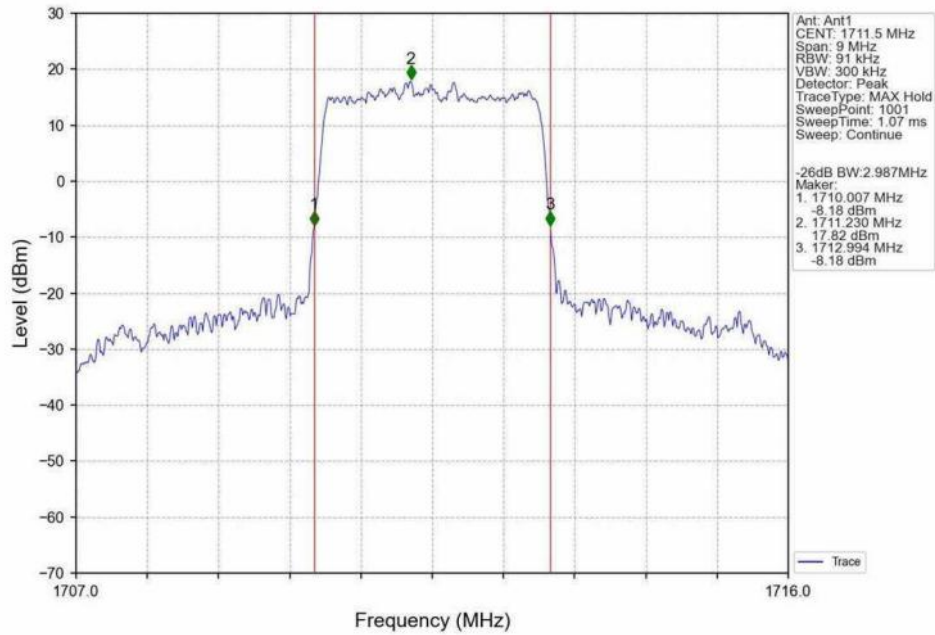
Band66 1.4MHz 16QAM MCH 1745MHz RB 6 0 NTNV



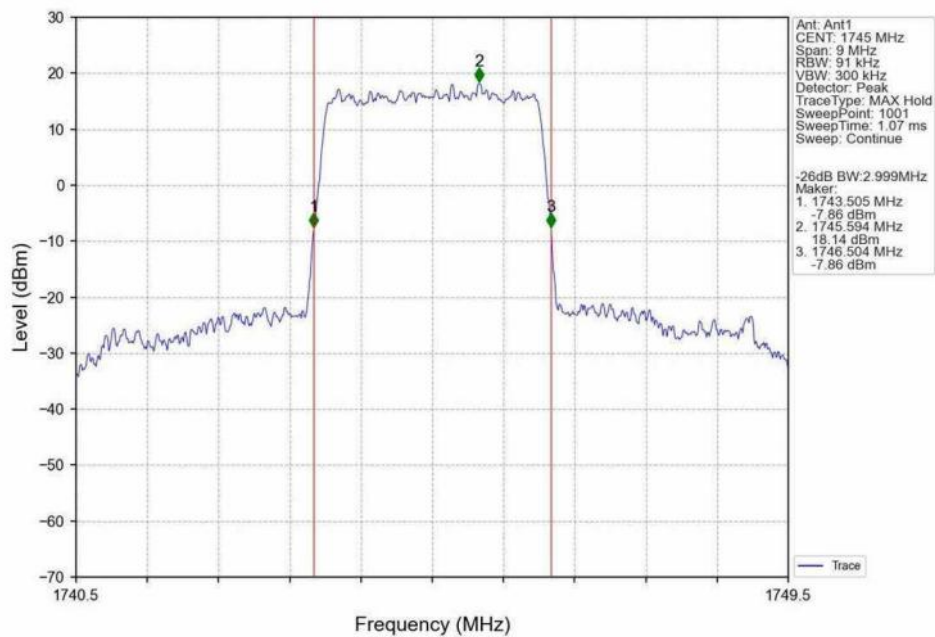
Band66 1.4MHz 16QAM HCH 1779.3MHz RB 6 0 NTNV



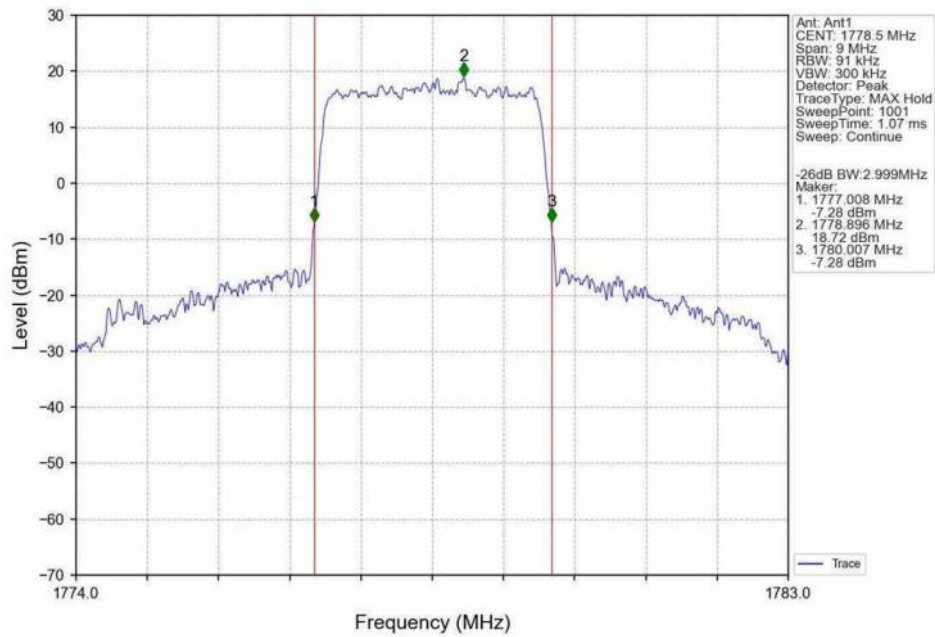
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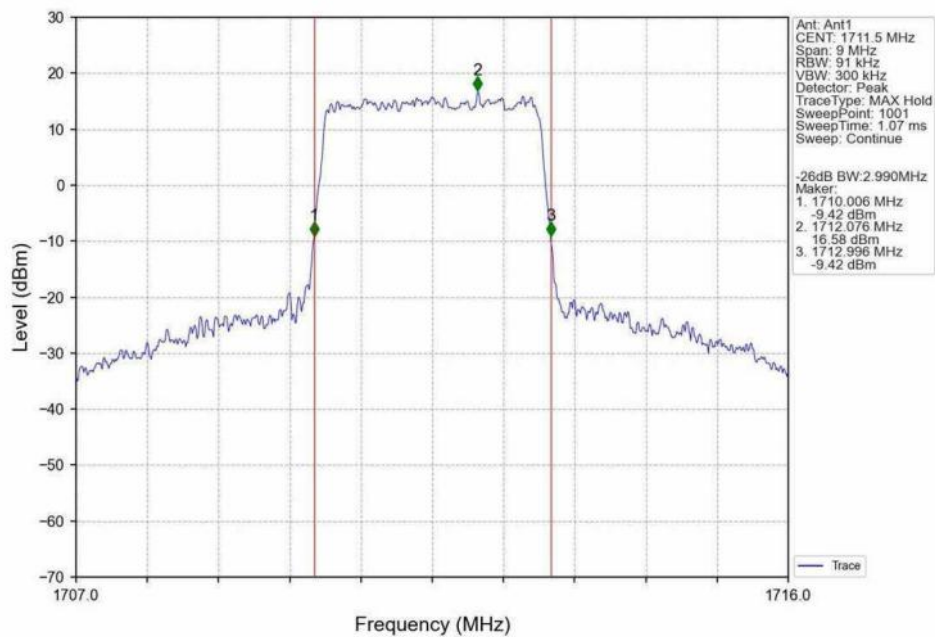
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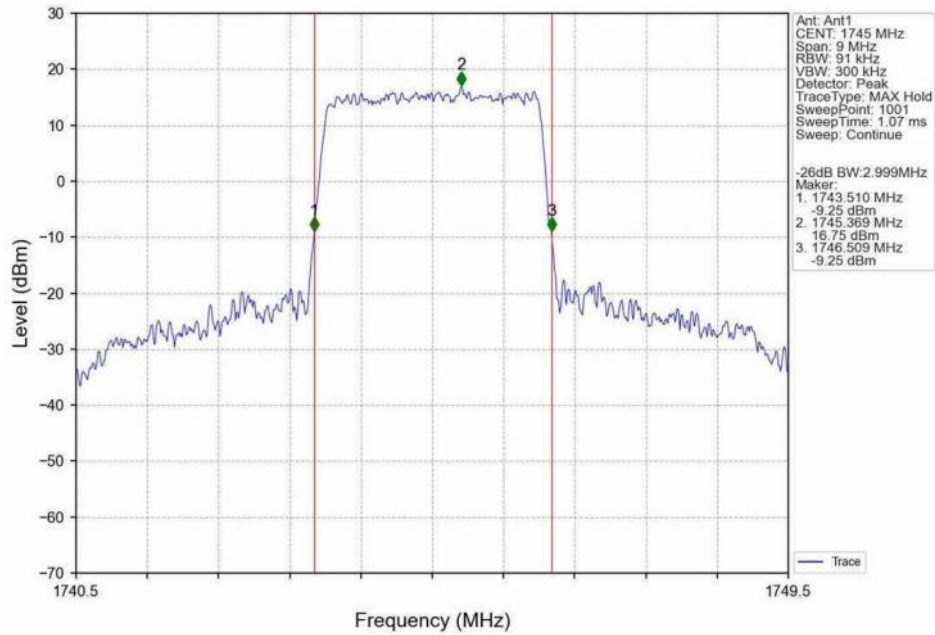
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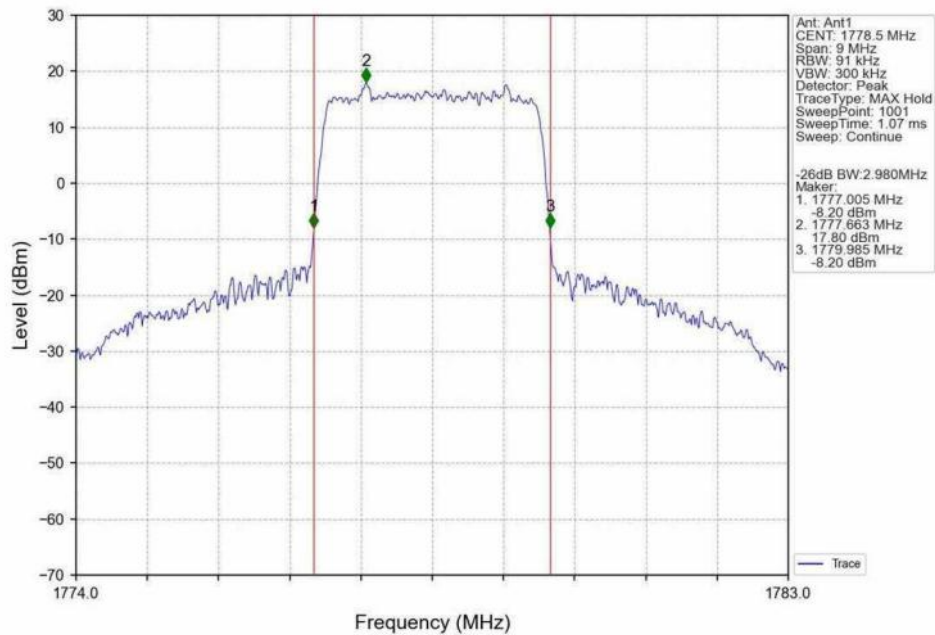
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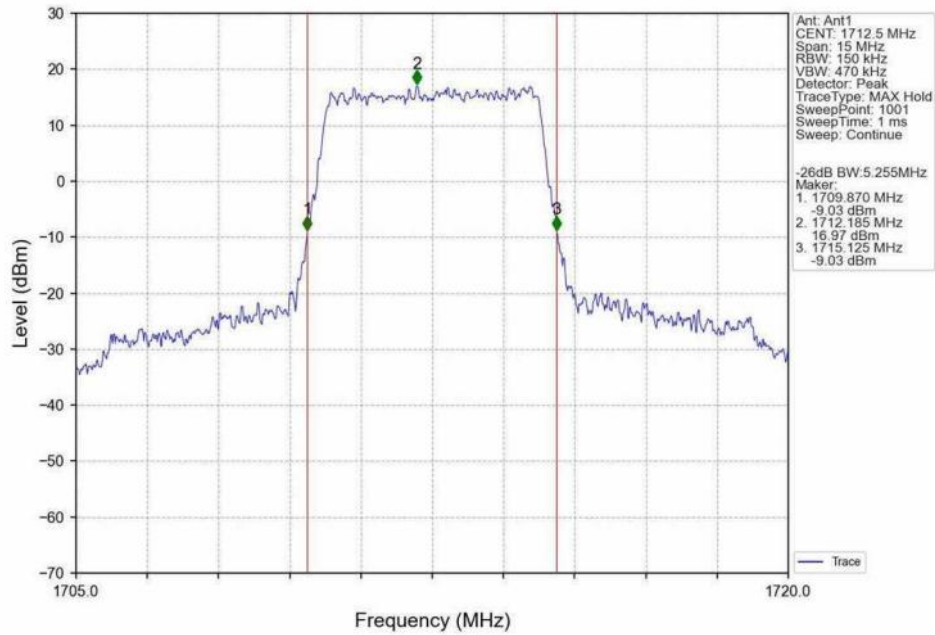
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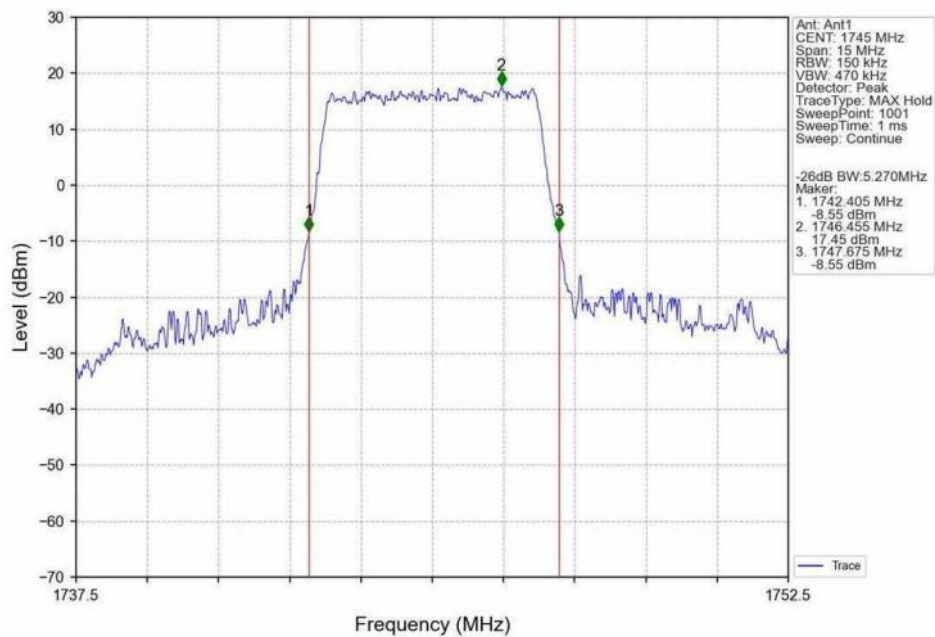
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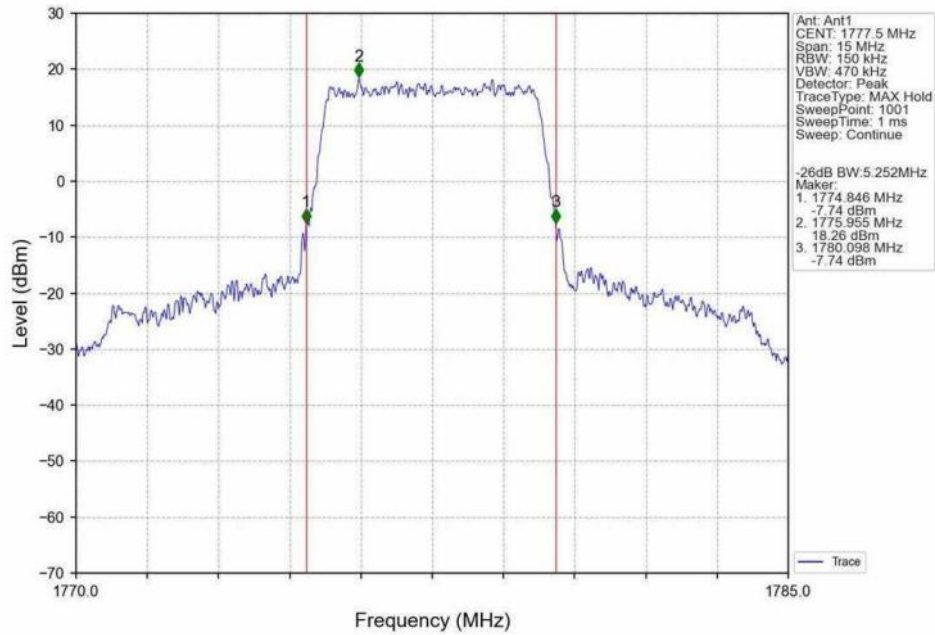
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



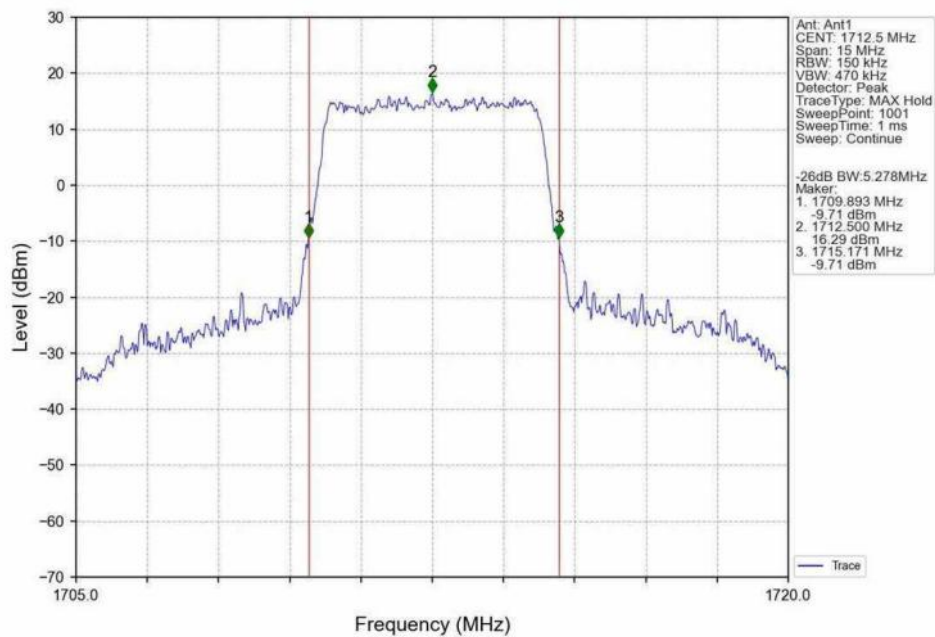
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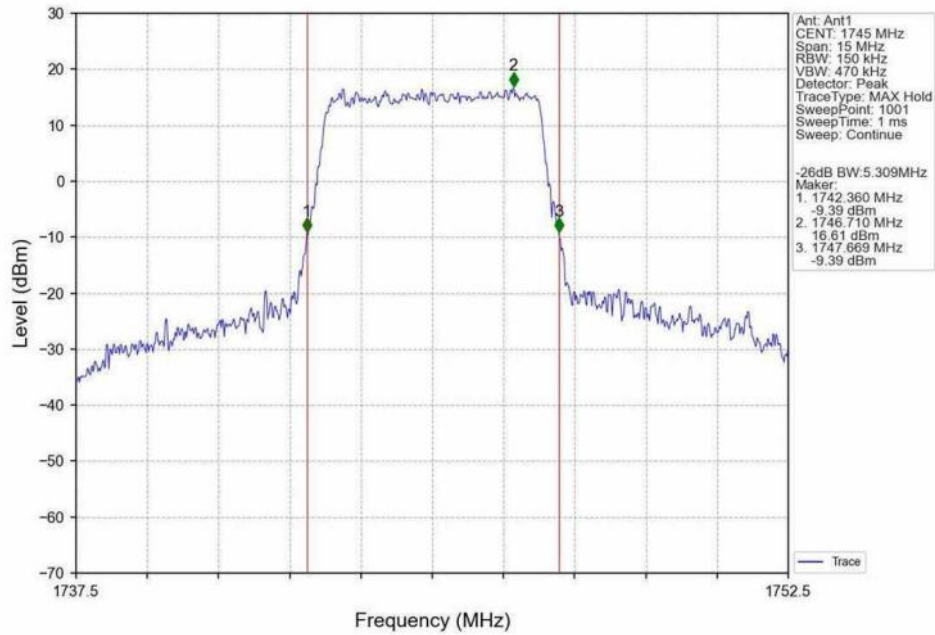
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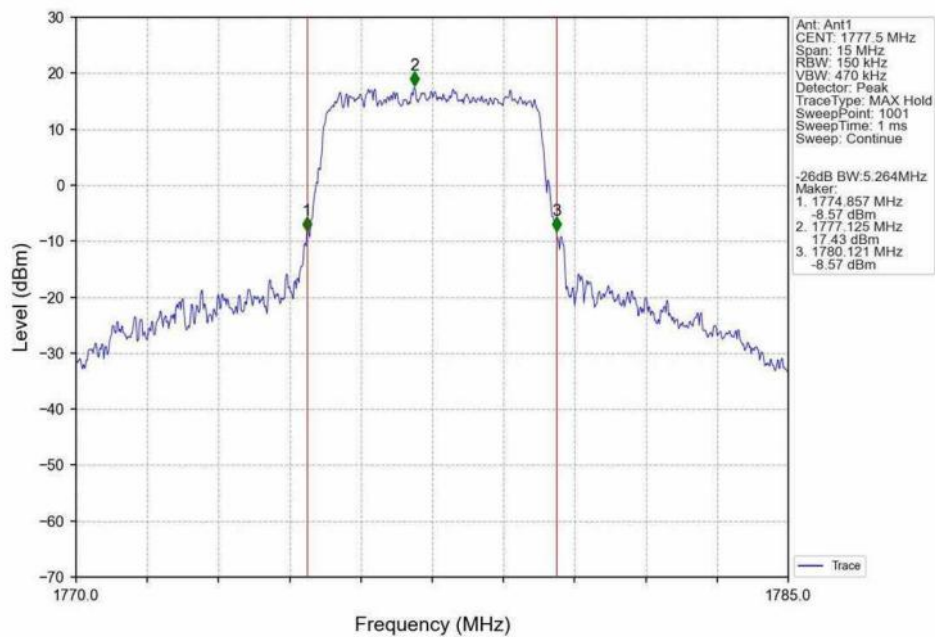
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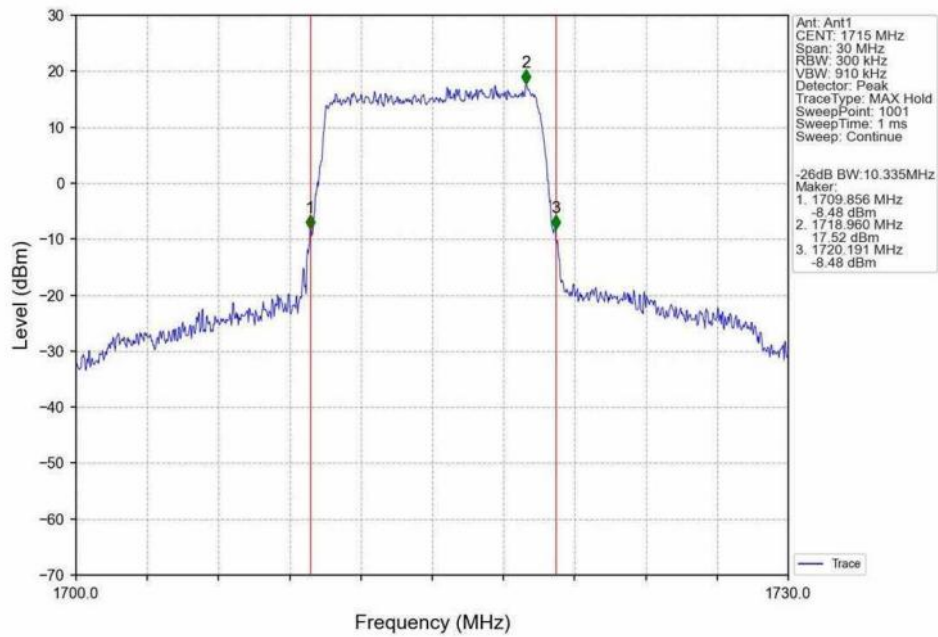
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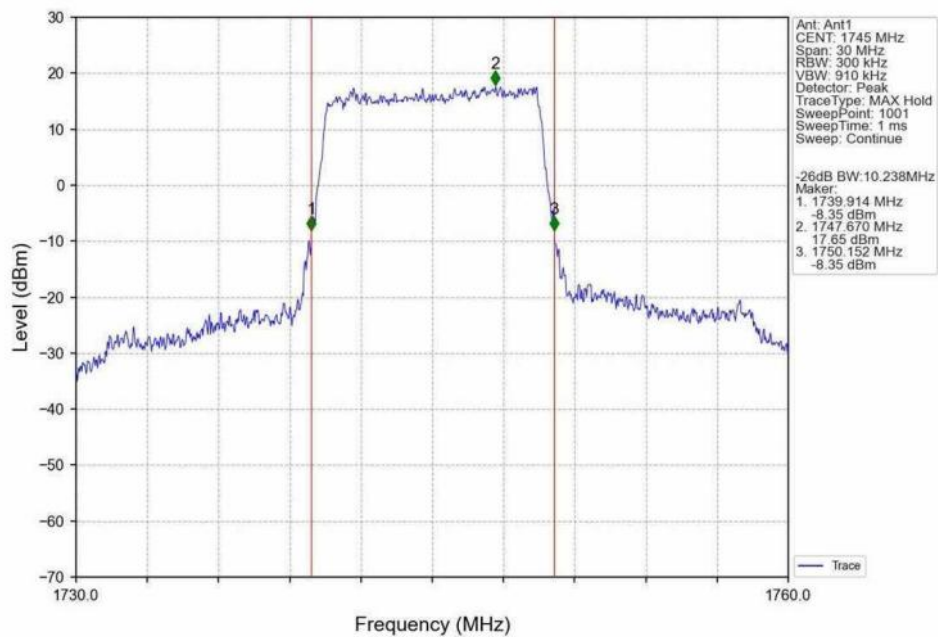
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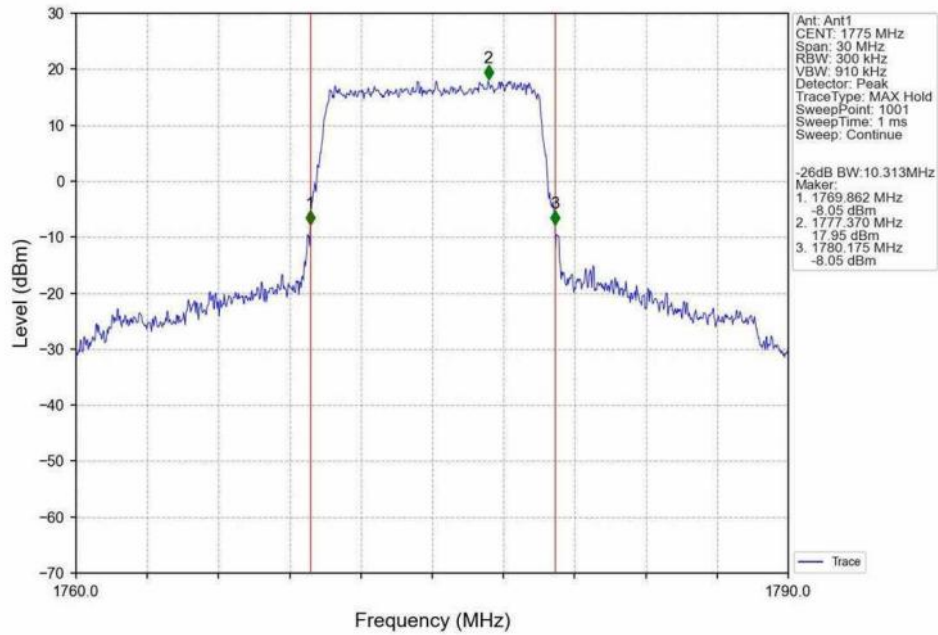
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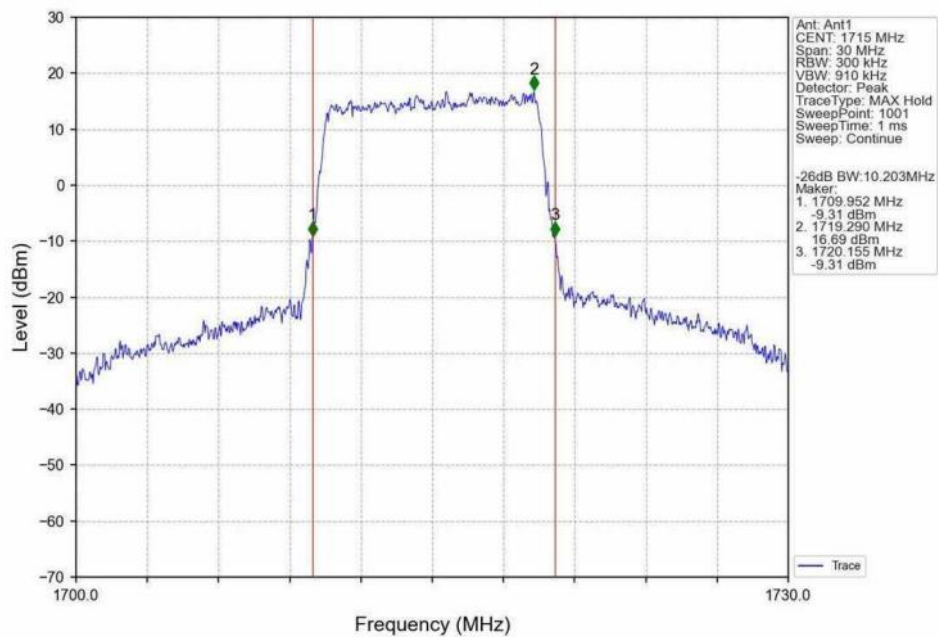
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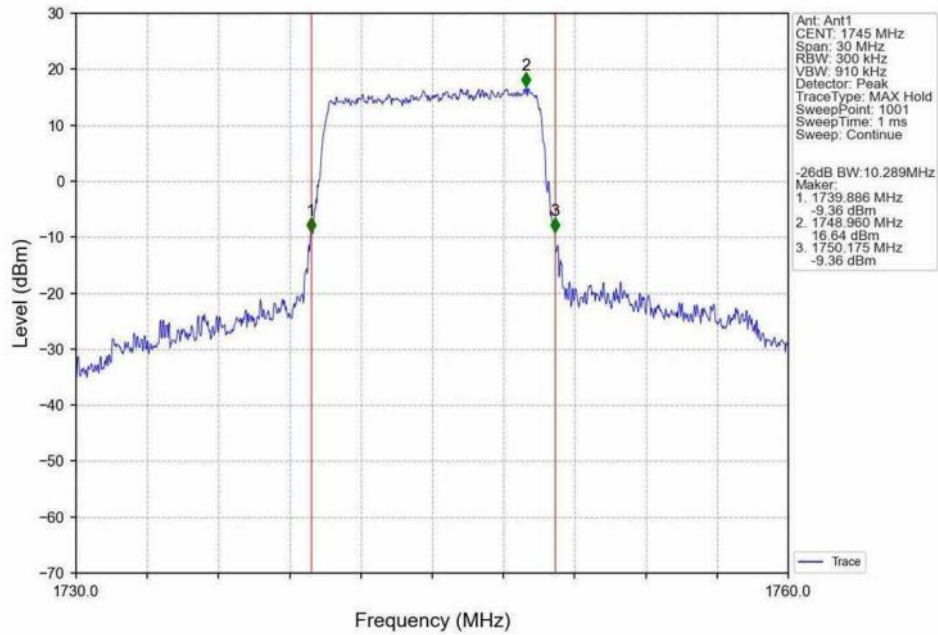
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



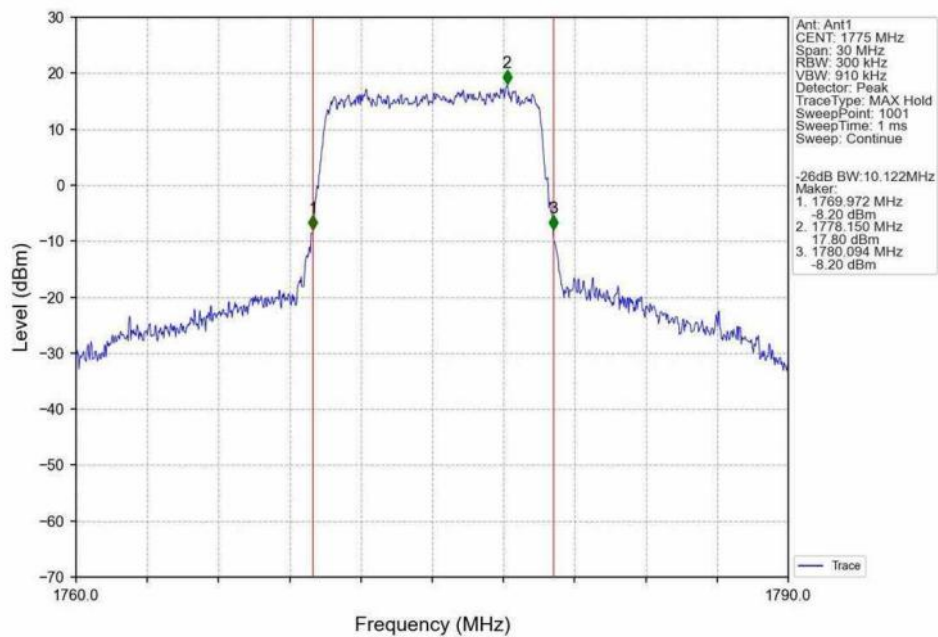
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



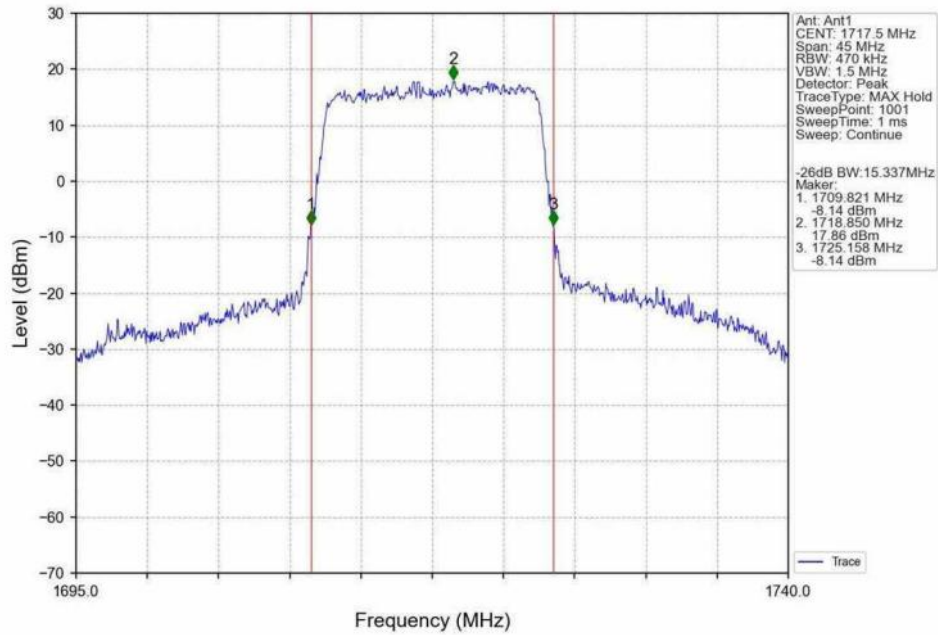
Band66 10MHz 16QAM MCH 1745MHz RB 50 0 NTNV



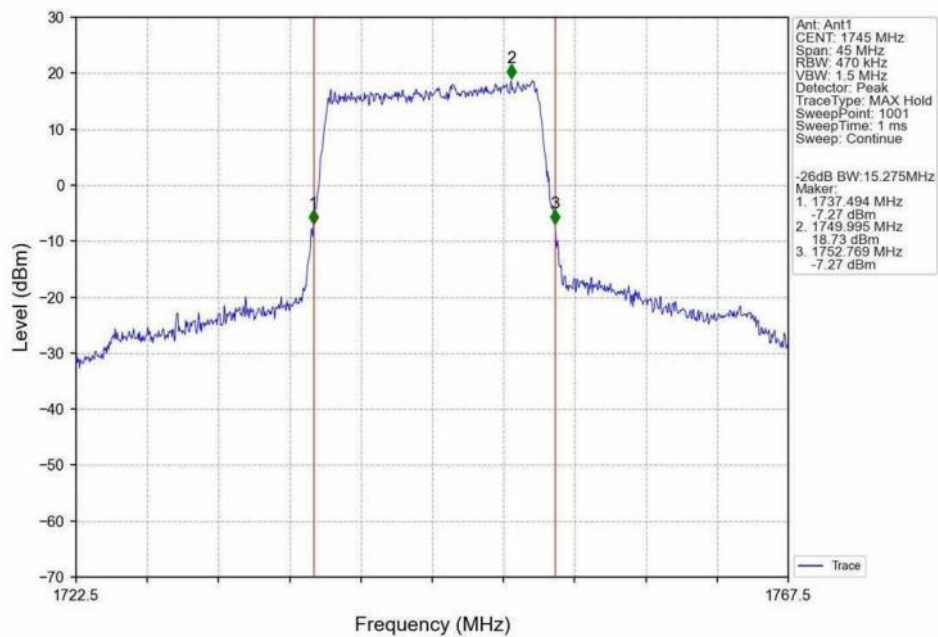
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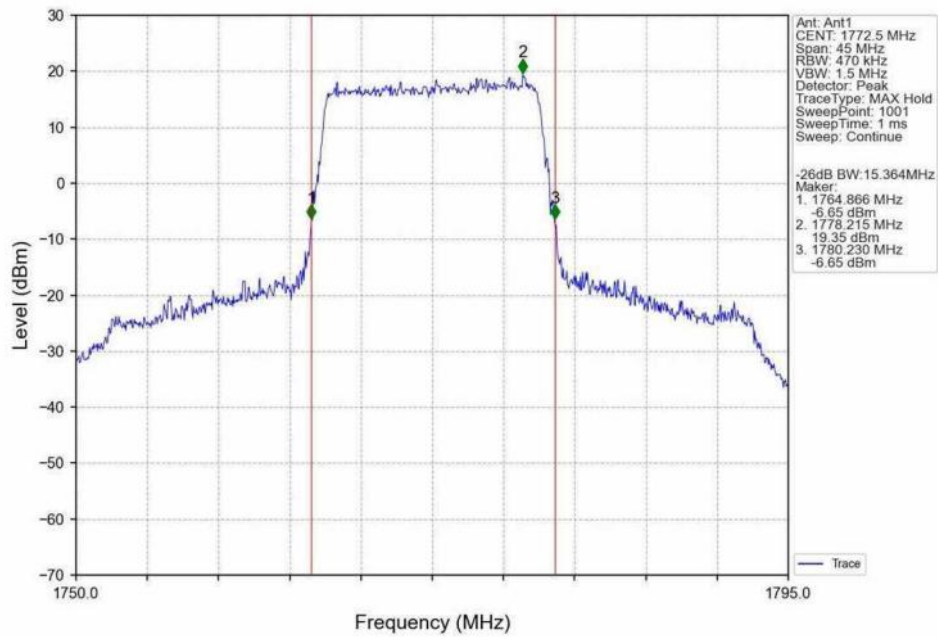
Band66 15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV



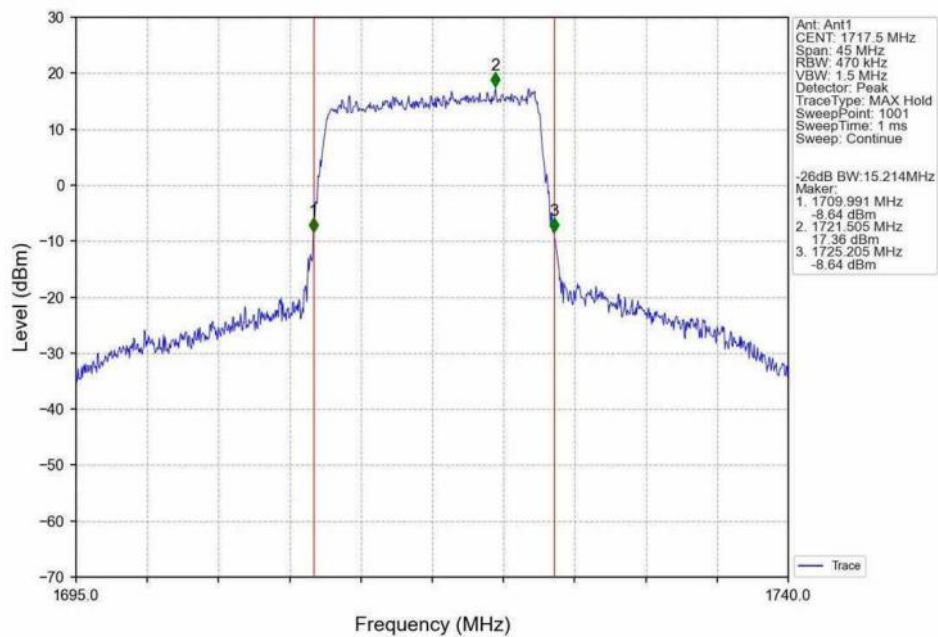
Band66 15MHz QPSK MCH 1745MHz RB 75 0 NTNV



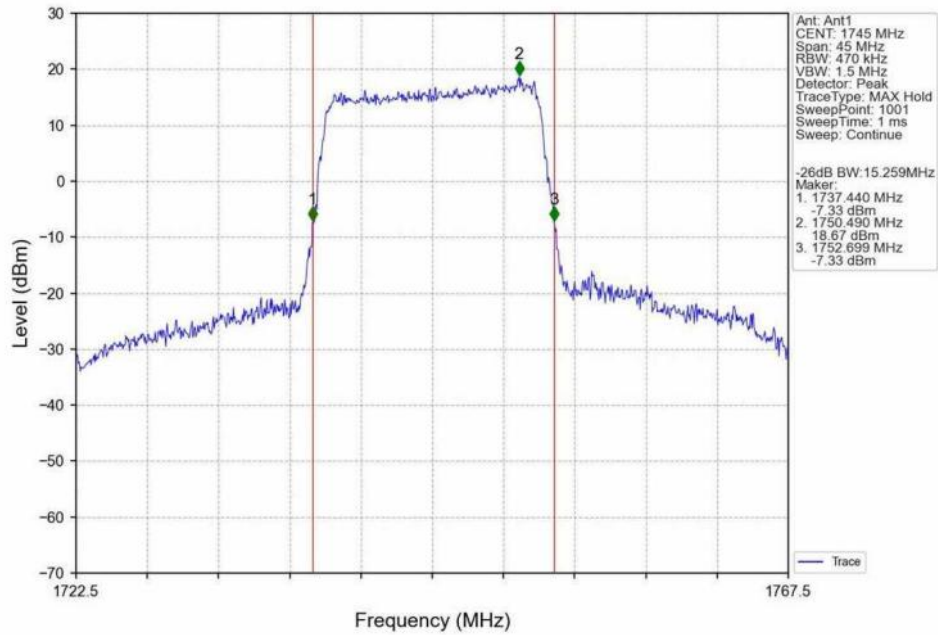
Band66 15MHz QPSK HCH 1772.5MHz RB 75 0 NTNV



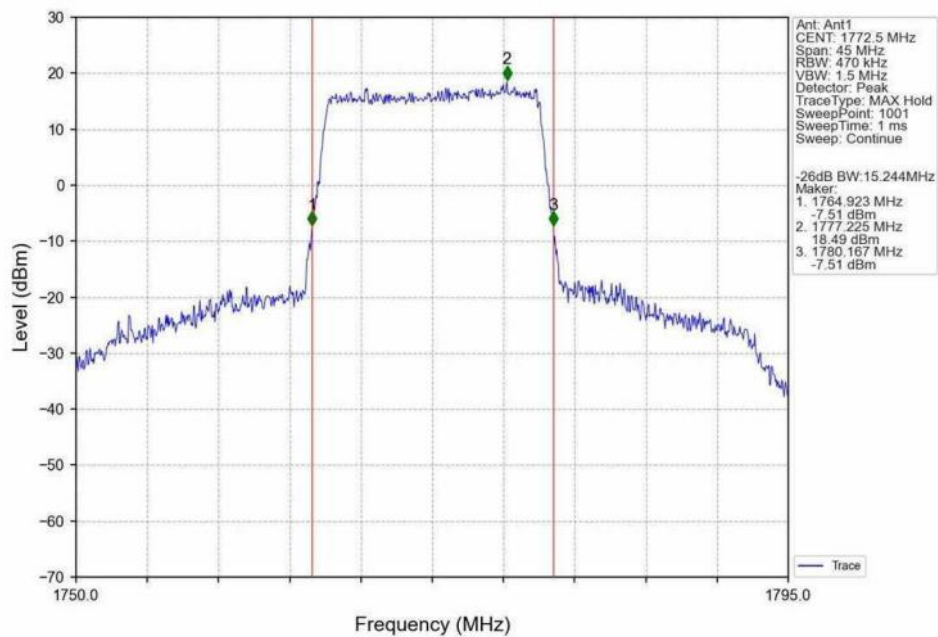
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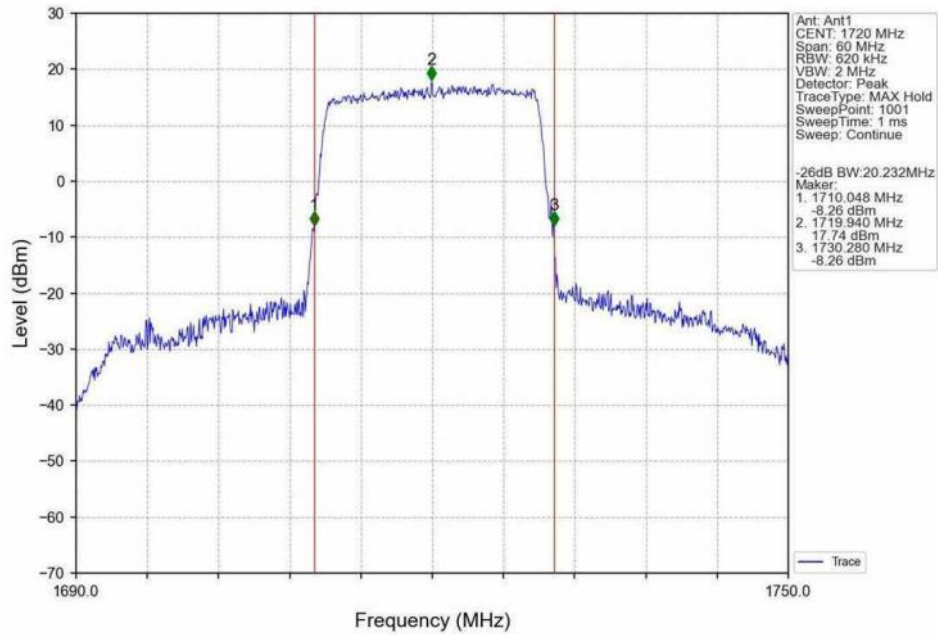
Band66 15MHz 16QAM MCH 1745MHz RB 75 0 NTNV



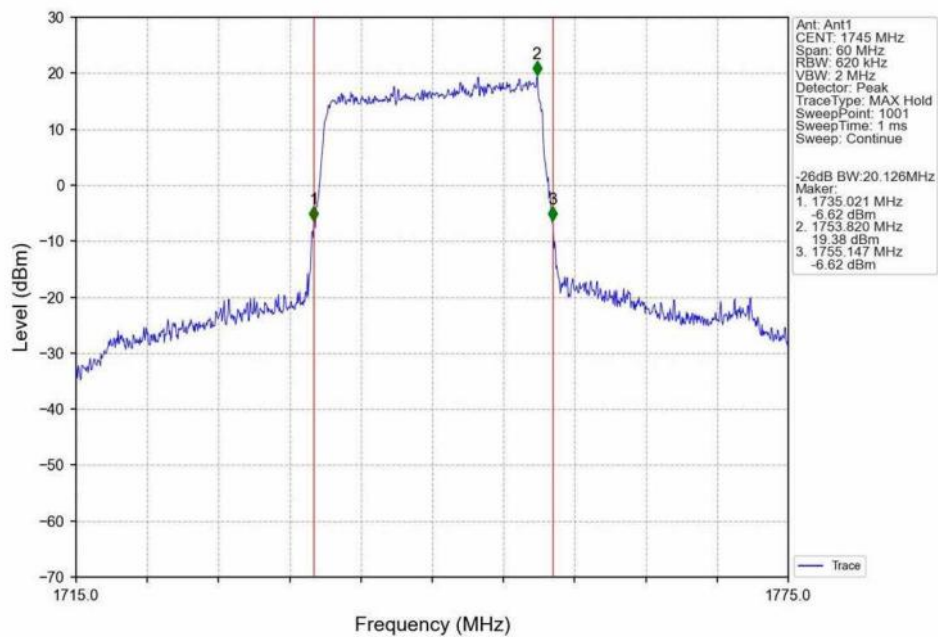
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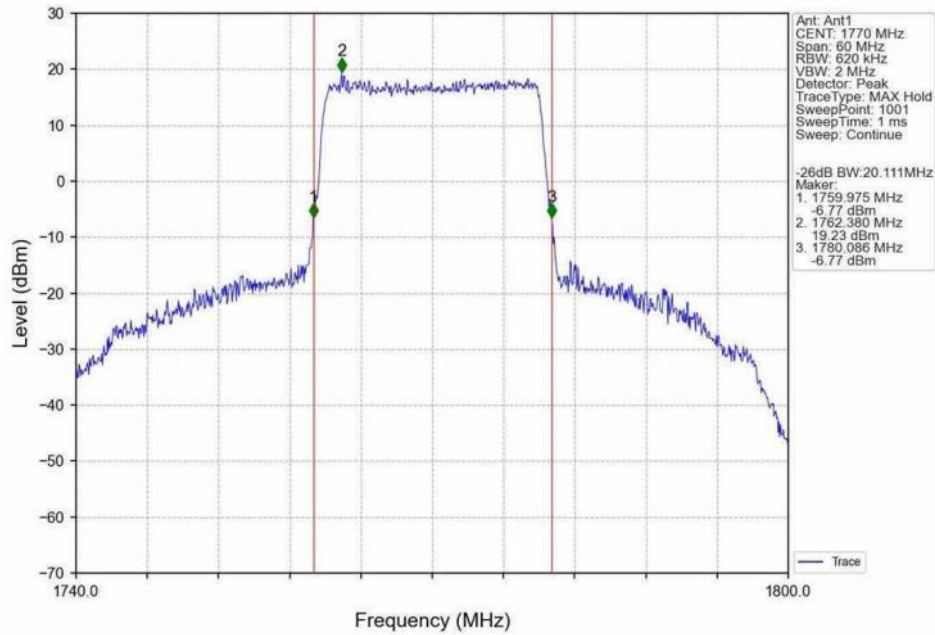
Band66 20MHz QPSK LCH 1720MHz RB 100 0 NTNV



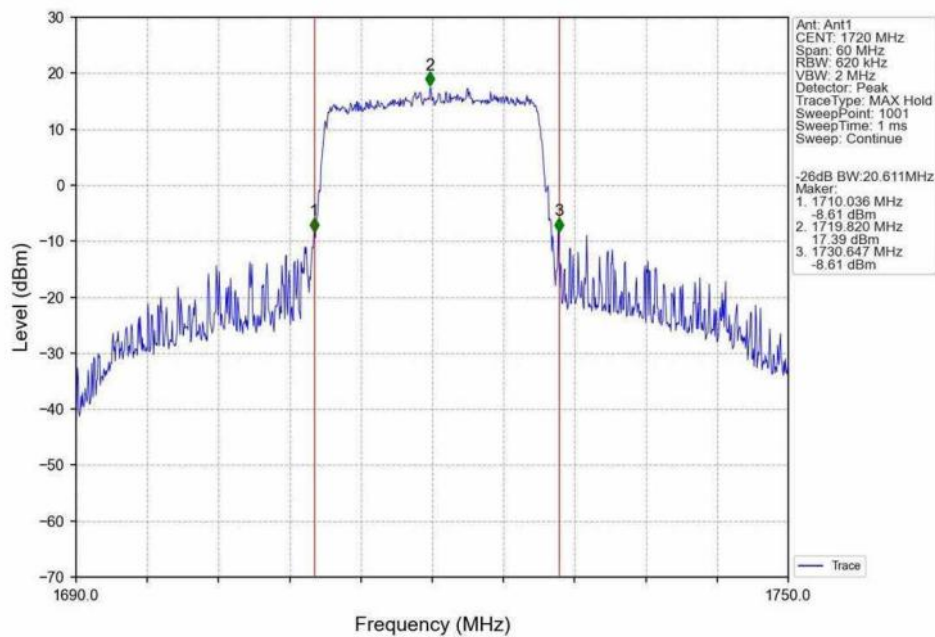
Band66 20MHz QPSK MCH 1745MHz RB 100 0 NTNV



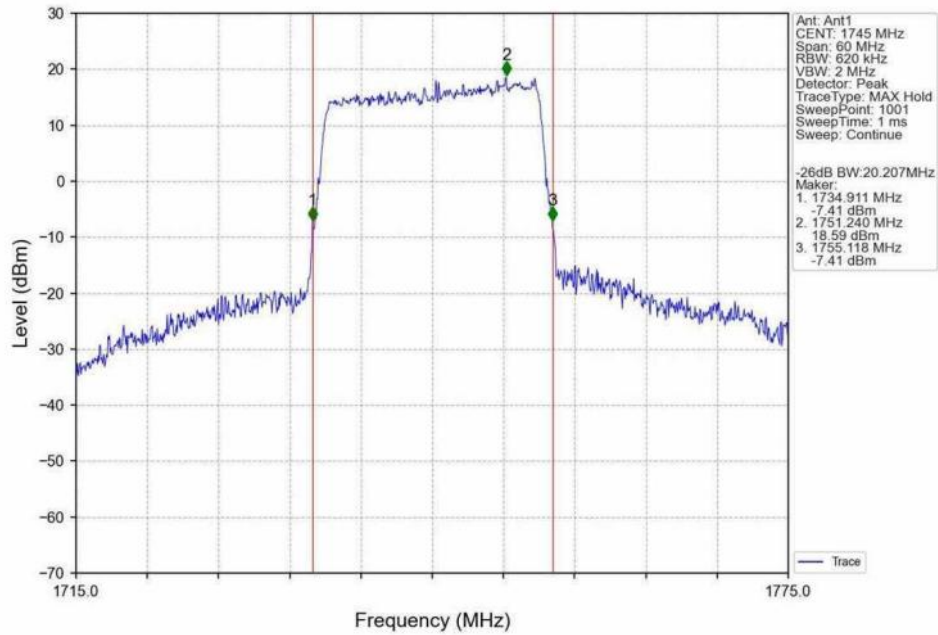
Band66 20MHz QPSK HCH 1770MHz RB 100 0 NTNV



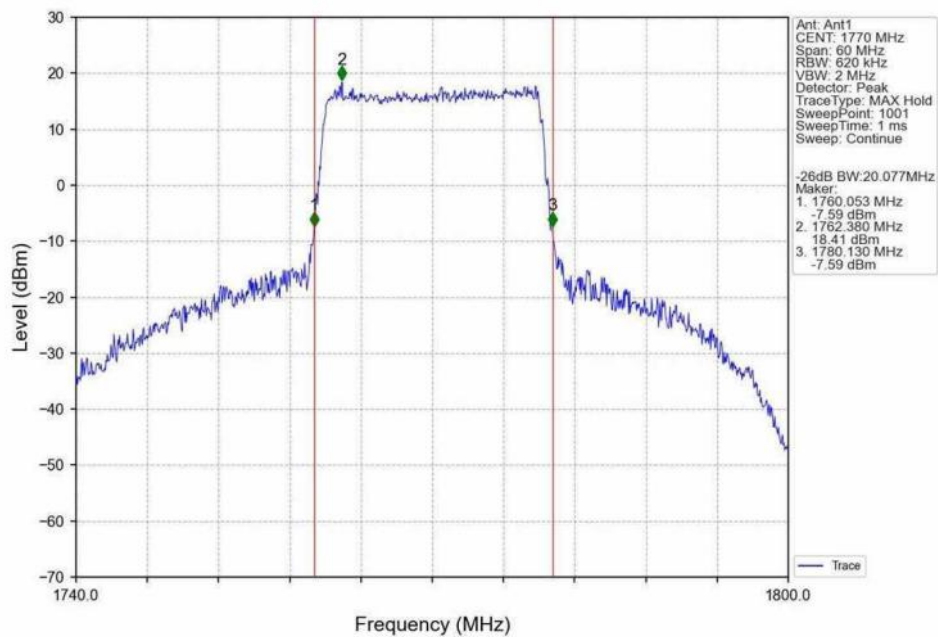
Band66 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B66_1.4MHz

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	5.16	<=13	Pass
	1745	6	0	5.15	<=13	Pass
	1779.3	6	0	4.62	<=13	Pass
16QAM	1710.7	6	0	6.03	<=13	Pass
	1745	6	0	6.00	<=13	Pass
	1779.3	6	0	5.48	<=13	Pass

5.1.2 B66_3MHz

Band: 66 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.25	<=13	Pass
	1745	15	0	5.16	<=13	Pass
	1778.5	15	0	4.74	<=13	Pass
16QAM	1711.5	15	0	6.06	<=13	Pass
	1745	15	0	6.04	<=13	Pass
	1778.5	15	0	5.61	<=13	Pass

5.1.3 B66_5MHz

Band: 66 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.41	<=13	Pass
	1745	25	0	5.44	<=13	Pass
	1777.5	25	0	5.08	<=13	Pass
16QAM	1712.5	25	0	6.13	<=13	Pass
	1745	25	0	6.16	<=13	Pass
	1777.5	25	0	5.82	<=13	Pass

5.1.4 B66_10MHz

Band: 66 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.36	<=13	Pass
	1745	50	0	5.40	<=13	Pass
	1775	50	0	5.19	<=13	Pass
16QAM	1715	50	0	6.13	<=13	Pass
	1745	50	0	6.17	<=13	Pass
	1775	50	0	5.94	<=13	Pass

5.1.5 B66_15MHz

Band: 66 / Bandwidth: 15MHz / NTNV						
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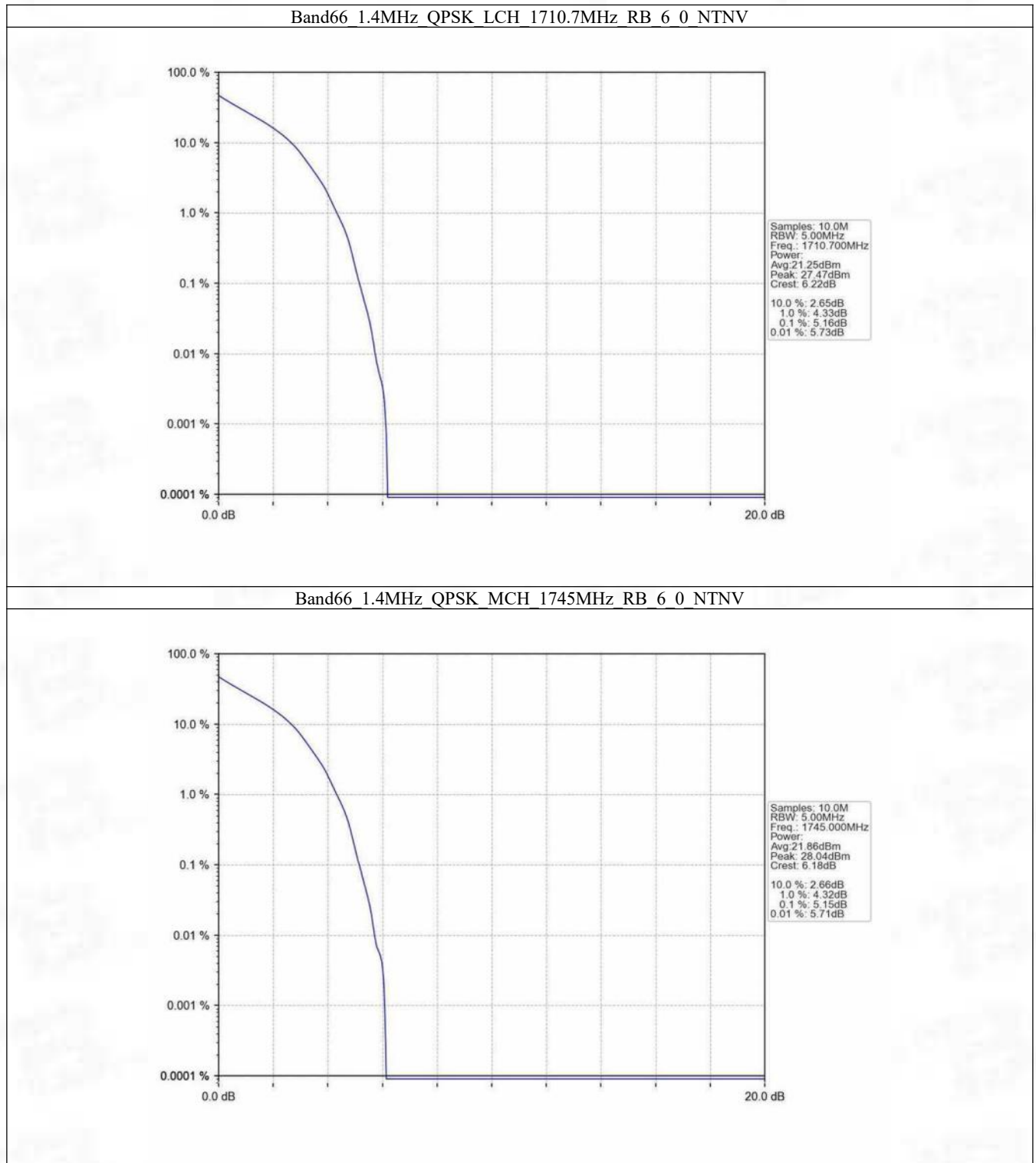
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.44	<=13	Pass
	1745	75	0	5.50	<=13	Pass
	1772.5	75	0	5.37	<=13	Pass
16QAM	1717.5	75	0	6.07	<=13	Pass
	1745	75	0	6.14	<=13	Pass
	1772.5	75	0	6.03	<=13	Pass

5.1.6 B66_20MHz

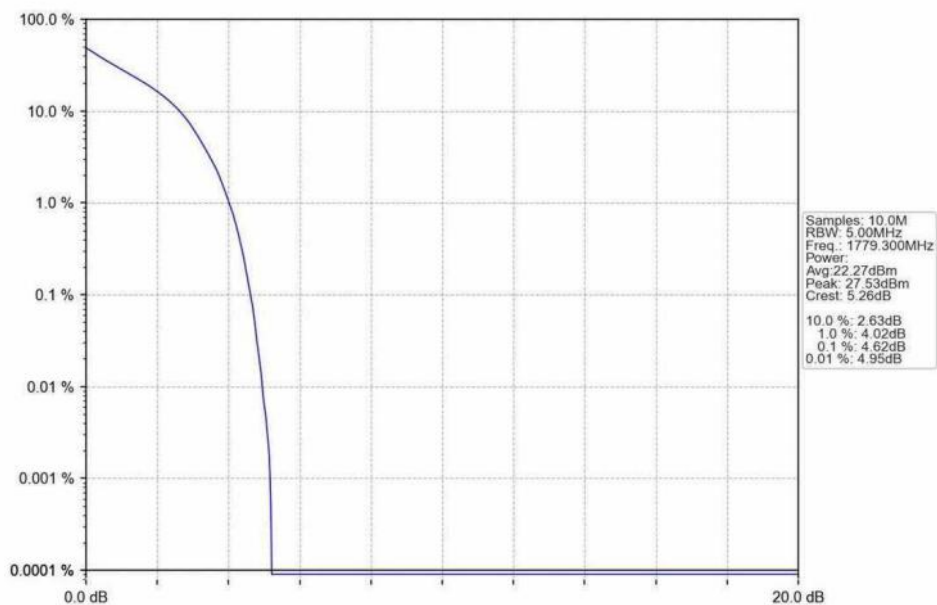
Band: 66 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.36	<=13	Pass
	1745	100	0	5.40	<=13	Pass
	1770	100	0	5.34	<=13	Pass
16QAM	1720	100	0	6.14	<=13	Pass
	1745	100	0	6.16	<=13	Pass
	1770	100	0	6.12	<=13	Pass

5.2 Test Graph

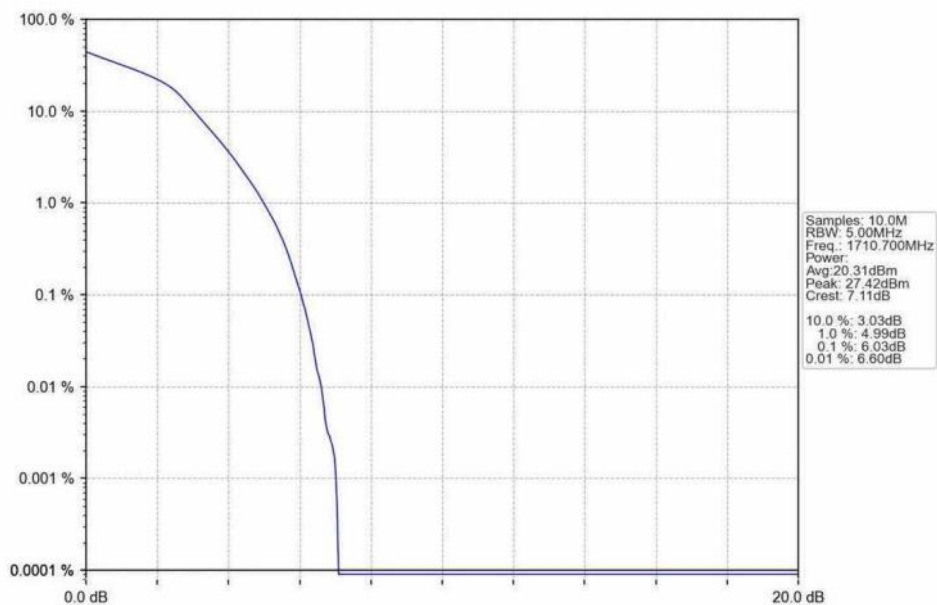
5.2.1 B66_1.4MHz



Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTNV



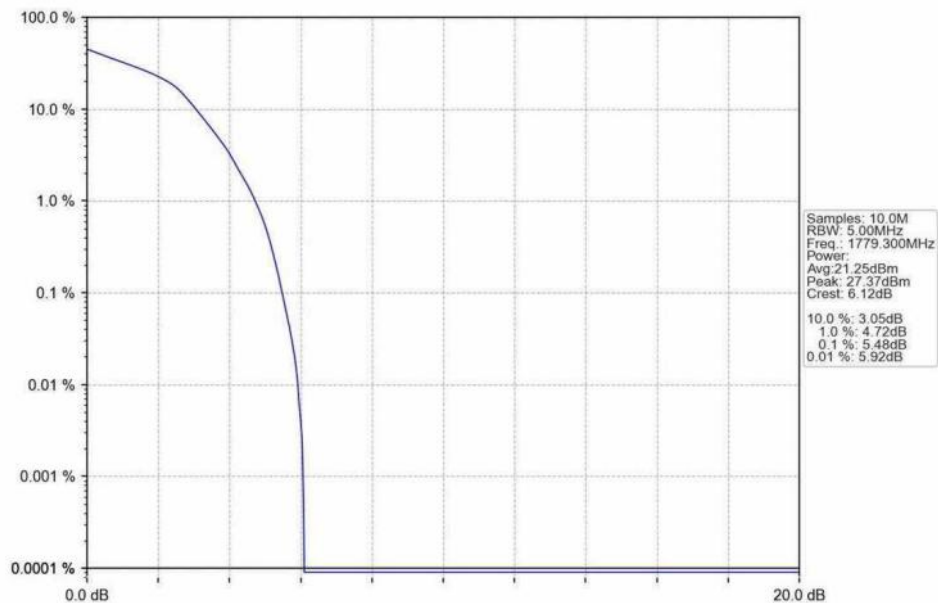
Band66 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



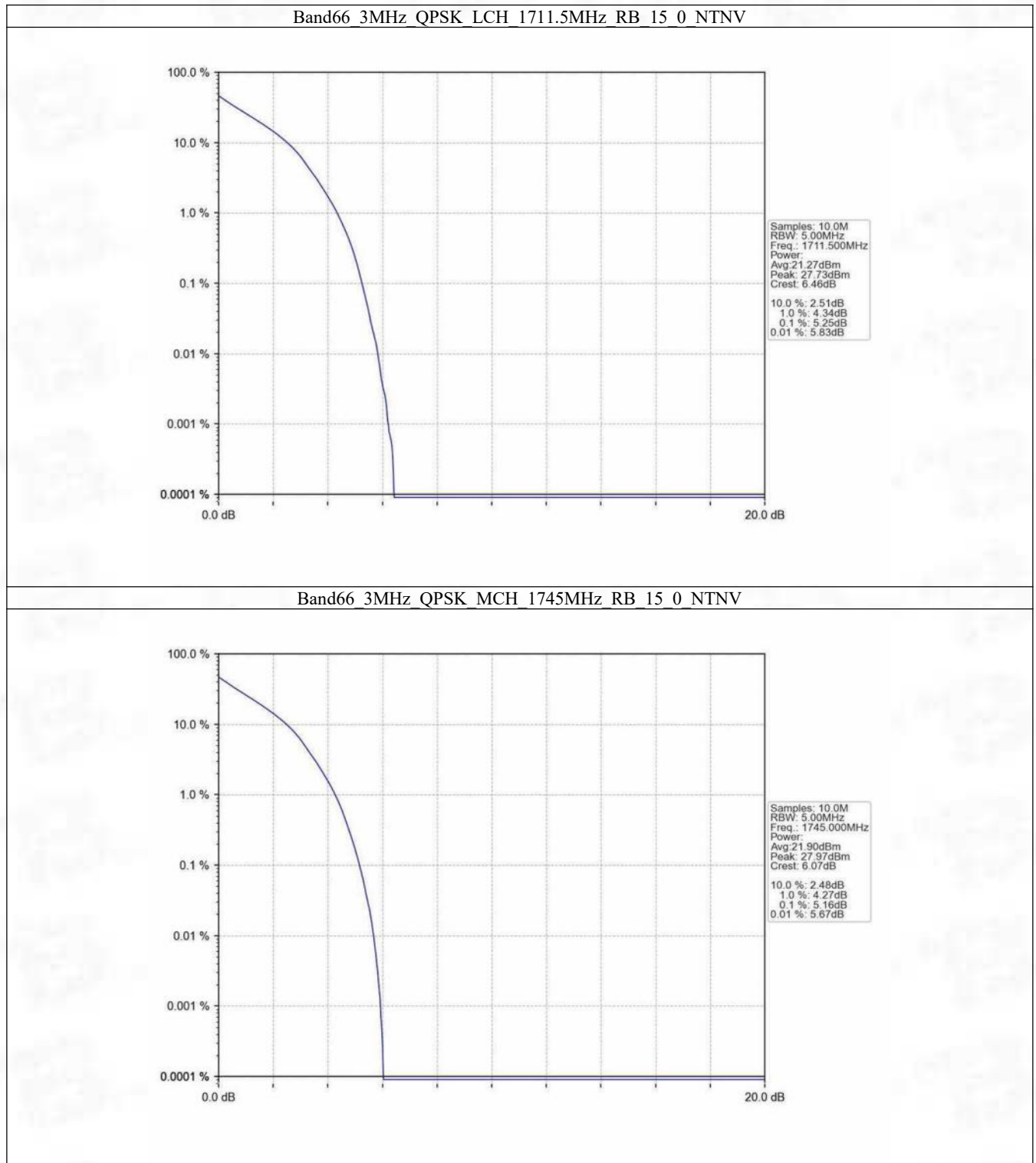
Band66 1.4MHz 16QAM MCH 1745MHz RB 6 0 NTNV



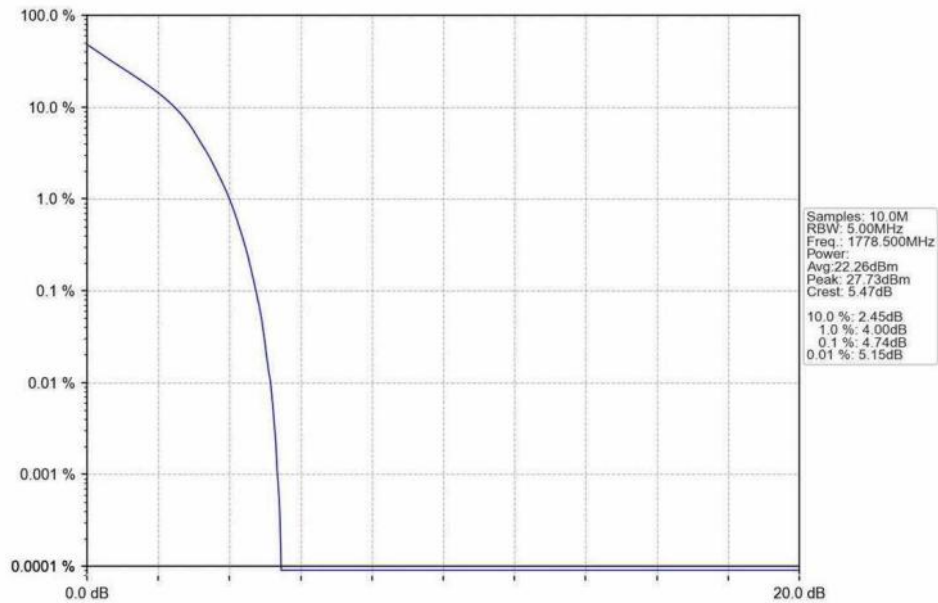
Band66 1.4MHz 16QAM HCH 1779.3MHz RB 6 0 NTNV



5.2.2 B66_3MHz



Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

