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 / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	21.18	-1.47	19.71	<=30	Pass
			2	21.24	-1.47	19.77	<=30	Pass
			5	21.23	-1.47	19.76	<=30	Pass
		3	0	21.25	-1.47	19.78	<=30	Pass
			2	21.18	-1.47	19.71	<=30	Pass
			3	21.12	-1.47	19.65	<=30	Pass
		6	0	20.12	-1.47	18.65	<=30	Pass
	1745	1	0	20.90	-1.47	19.43	<=30	Pass
			2	21.01	-1.47	19.54	<=30	Pass
			5	21.06	-1.47	19.59	<=30	Pass
		3	0	21.03	-1.47	19.56	<=30	Pass
			2	21.08	-1.47	19.61	<=30	Pass
			3	21.02	-1.47	19.55	<=30	Pass
		6	0	20.08	-1.47	18.61	<=30	Pass
	1779.3	1	0	20.50	-1.47	19.03	<=30	Pass
			2	20.58	-1.47	19.11	<=30	Pass
			5	20.56	-1.47	19.09	<=30	Pass
		3	0	20.59	-1.47	19.12	<=30	Pass
			2	20.64	-1.47	19.17	<=30	Pass
			3	20.63	-1.47	19.16	<=30	Pass
		6	0	19.57	-1.47	18.10	<=30	Pass
16QAM	1710.7	1	0	20.15	-1.47	18.68	<=30	Pass
			2	20.24	-1.47	18.77	<=30	Pass
			5	20.21	-1.47	18.74	<=30	Pass
		3	0	20.06	-1.47	18.59	<=30	Pass
			2	20.03	-1.47	18.56	<=30	Pass
			3	20.03	-1.47	18.56	<=30	Pass
		6	0	19.26	-1.47	17.79	<=30	Pass
	1745	1	0	21.01	-1.47	19.54	<=30	Pass
			2	20.95	-1.47	19.48	<=30	Pass
			5	20.97	-1.47	19.50	<=30	Pass
		3	0	19.91	-1.47	18.44	<=30	Pass
			2	19.88	-1.47	18.41	<=30	Pass
			3	19.94	-1.47	18.47	<=30	Pass
		6	0	19.32	-1.47	17.85	<=30	Pass
	1779.3	1	0	20.18	-1.47	18.71	<=30	Pass
			2	20.19	-1.47	18.72	<=30	Pass
			5	20.19	-1.47	18.72	<=30	Pass
		3	0	19.54	-1.47	18.07	<=30	Pass
			2	19.55	-1.47	18.08	<=30	Pass
			3	19.53	-1.47	18.06	<=30	Pass
		6	0	18.66	-1.47	17.19	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

Total or partial reproduction of this document without permission of the Laboratory is not allowed.

BTF Testing Lab (Shenzhen) Co., Ltd.
101/201/301, Building 1, Block 2, Tantou Industrial Park,Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Email: info@btf-lab.com Tel: +86-755-23146130 http://www.btf-lab.com

1.1.2 B66_3MHz_EIRP

Band: 66 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	21.32	-1.47	19.85	<=30	Pass
			7	21.29	-1.47	19.82	<=30	Pass
			14	21.28	-1.47	19.81	<=30	Pass
		8	0	20.18	-1.47	18.71	<=30	Pass
			4	20.15	-1.47	18.68	<=30	Pass
			7	20.26	-1.47	18.79	<=30	Pass
		15	0	20.23	-1.47	18.76	<=30	Pass
	1745	1	0	20.95	-1.47	19.48	<=30	Pass
			7	20.92	-1.47	19.45	<=30	Pass
			14	20.91	-1.47	19.44	<=30	Pass
		8	0	20.04	-1.47	18.57	<=30	Pass
			4	20.09	-1.47	18.62	<=30	Pass
			7	20.07	-1.47	18.60	<=30	Pass
		15	0	20.07	-1.47	18.60	<=30	Pass
	1778.5	1	0	20.59	-1.47	19.12	<=30	Pass
			7	20.62	-1.47	19.15	<=30	Pass
			14	20.64	-1.47	19.17	<=30	Pass
		8	0	19.69	-1.47	18.22	<=30	Pass
			4	19.59	-1.47	18.12	<=30	Pass
			7	19.66	-1.47	18.19	<=30	Pass
		15	0	19.58	-1.47	18.11	<=30	Pass
16QAM	1711.5	1	0	20.23	-1.47	18.76	<=30	Pass
			7	20.20	-1.47	18.73	<=30	Pass
			14	20.22	-1.47	18.75	<=30	Pass
		8	0	19.49	-1.47	18.02	<=30	Pass
			4	19.45	-1.47	17.98	<=30	Pass
			7	19.53	-1.47	18.06	<=30	Pass
		15	0	19.34	-1.47	17.87	<=30	Pass
	1745	1	0	21.25	-1.47	19.78	<=30	Pass
			7	21.27	-1.47	19.80	<=30	Pass
			14	21.38	-1.47	19.91	<=30	Pass
		8	0	19.26	-1.47	17.79	<=30	Pass
			4	19.32	-1.47	17.85	<=30	Pass
			7	19.28	-1.47	17.81	<=30	Pass
		15	0	19.29	-1.47	17.82	<=30	Pass
	1778.5	1	0	20.65	-1.47	19.18	<=30	Pass
			7	20.59	-1.47	19.12	<=30	Pass
			14	20.62	-1.47	19.15	<=30	Pass
		8	0	19.05	-1.47	17.58	<=30	Pass
			4	19.05	-1.47	17.58	<=30	Pass
			7	19.04	-1.47	17.57	<=30	Pass
		15	0	18.83	-1.47	17.36	<=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	21.06	-1.47	19.59	<=30	Pass
			13	21.08	-1.47	19.61	<=30	Pass
			24	21.07	-1.47	19.60	<=30	Pass
		12	0	20.19	-1.47	18.72	<=30	Pass
			6	20.31	-1.47	18.84	<=30	Pass

			13	20.17	-1.47	18.70	<=30	Pass
		25	0	20.17	-1.47	18.70	<=30	Pass
	1745	1	0	21.07	-1.47	19.60	<=30	Pass
			13	21.14	-1.47	19.67	<=30	Pass
			24	21.13	-1.47	19.66	<=30	Pass
		12	0	20.03	-1.47	18.56	<=30	Pass
			6	20.21	-1.47	18.74	<=30	Pass
			13	20.11	-1.47	18.64	<=30	Pass
		25	0	20.09	-1.47	18.62	<=30	Pass
	1777.5	1	0	20.65	-1.47	19.18	<=30	Pass
			13	20.70	-1.47	19.23	<=30	Pass
			24	20.57	-1.47	19.10	<=30	Pass
		12	0	19.65	-1.47	18.18	<=30	Pass
			6	19.63	-1.47	18.16	<=30	Pass
			13	19.60	-1.47	18.13	<=30	Pass
		25	0	19.56	-1.47	18.09	<=30	Pass
16QAM	1712.5	1	0	20.86	-1.47	19.39	<=30	Pass
			13	20.83	-1.47	19.36	<=30	Pass
			24	20.90	-1.47	19.43	<=30	Pass
		12	0	19.24	-1.47	17.77	<=30	Pass
			6	19.28	-1.47	17.81	<=30	Pass
			13	19.27	-1.47	17.80	<=30	Pass
		25	0	19.35	-1.47	17.88	<=30	Pass
	1745	1	0	20.74	-1.47	19.27	<=30	Pass
			13	20.76	-1.47	19.29	<=30	Pass
			24	20.78	-1.47	19.31	<=30	Pass
		12	0	19.22	-1.47	17.75	<=30	Pass
			6	19.23	-1.47	17.76	<=30	Pass
			13	19.21	-1.47	17.74	<=30	Pass
		25	0	19.22	-1.47	17.75	<=30	Pass
	1777.5	1	0	19.44	-1.47	17.97	<=30	Pass
			13	19.36	-1.47	17.89	<=30	Pass
			24	19.30	-1.47	17.83	<=30	Pass
		12	0	18.76	-1.47	17.29	<=30	Pass
			6	18.71	-1.47	17.24	<=30	Pass
			13	18.72	-1.47	17.25	<=30	Pass
		25	0	18.83	-1.47	17.36	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B66_10MHz_EIRP

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	21.23	-1.47	19.76	<=30	Pass
			25	21.26	-1.47	19.79	<=30	Pass
			49	21.21	-1.47	19.74	<=30	Pass
		25	0	20.25	-1.47	18.78	<=30	Pass
			13	20.26	-1.47	18.79	<=30	Pass
			25	20.30	-1.47	18.83	<=30	Pass
		50	0	20.32	-1.47	18.85	<=30	Pass
	1745	1	0	21.05	-1.47	19.58	<=30	Pass
			25	21.08	-1.47	19.61	<=30	Pass
			49	21.12	-1.47	19.65	<=30	Pass
		25	0	20.03	-1.47	18.56	<=30	Pass
			13	20.15	-1.47	18.68	<=30	Pass
			25	20.11	-1.47	18.64	<=30	Pass
		50	0	20.10	-1.47	18.63	<=30	Pass
	1775	1	0	20.77	-1.47	19.30	<=30	Pass
			25	20.65	-1.47	19.18	<=30	Pass

Total or partial reproduction of this document without permission of the Laboratory is not allowed.

BTF Testing Lab (Shenzhen) Co., Ltd.
101/201/301, Building 1, Block 2, Tantou Industrial Park,Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Email: info@btf-lab.com Tel: +86-755-23146130 http://www.btf-lab.com

			49	20.64	-1.47	19.17	<=30	Pass
		25	0	19.68	-1.47	18.21	<=30	Pass
			13	19.75	-1.47	18.28	<=30	Pass
			25	19.63	-1.47	18.16	<=30	Pass
		50	0	19.72	-1.47	18.25	<=30	Pass
16QAM	1715	1	0	20.24	-1.47	18.77	<=30	Pass
			25	20.25	-1.47	18.78	<=30	Pass
			49	20.20	-1.47	18.73	<=30	Pass
		25	0	19.41	-1.47	17.94	<=30	Pass
			13	19.47	-1.47	18.00	<=30	Pass
			25	19.44	-1.47	17.97	<=30	Pass
		50	0	19.34	-1.47	17.87	<=30	Pass
	1745	1	0	21.26	-1.47	19.79	<=30	Pass
			25	21.15	-1.47	19.68	<=30	Pass
			49	21.12	-1.47	19.65	<=30	Pass
		25	0	19.24	-1.47	17.77	<=30	Pass
			13	19.27	-1.47	17.80	<=30	Pass
			25	19.25	-1.47	17.78	<=30	Pass
		50	0	19.33	-1.47	17.86	<=30	Pass
	1775	1	0	20.54	-1.47	19.07	<=30	Pass
			25	20.51	-1.47	19.04	<=30	Pass
			49	20.48	-1.47	19.01	<=30	Pass
		25	0	18.85	-1.47	17.38	<=30	Pass
			13	18.86	-1.47	17.39	<=30	Pass
			25	18.79	-1.47	17.32	<=30	Pass
		50	0	18.83	-1.47	17.36	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.5 B66_15MHz_EIRP

Band: 66 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	21.08	-1.47	19.61	<=30	Pass
			38	21.08	-1.47	19.61	<=30	Pass
			74	20.99	-1.47	19.52	<=30	Pass
		36	0	20.17	-1.47	18.70	<=30	Pass
			18	20.30	-1.47	18.83	<=30	Pass
			39	20.11	-1.47	18.64	<=30	Pass
		75	0	20.20	-1.47	18.73	<=30	Pass
	1745	1	0	21.06	-1.47	19.59	<=30	Pass
			38	21.07	-1.47	19.60	<=30	Pass
			74	21.02	-1.47	19.55	<=30	Pass
		36	0	19.97	-1.47	18.50	<=30	Pass
			18	20.13	-1.47	18.66	<=30	Pass
			39	20.01	-1.47	18.54	<=30	Pass
		75	0	20.09	-1.47	18.62	<=30	Pass
	1772.5	1	0	20.77	-1.47	19.30	<=30	Pass
			38	20.68	-1.47	19.21	<=30	Pass
			74	20.58	-1.47	19.11	<=30	Pass
		36	0	19.80	-1.47	18.33	<=30	Pass
			18	19.80	-1.47	18.33	<=30	Pass
			39	19.65	-1.47	18.18	<=30	Pass
		75	0	19.74	-1.47	18.27	<=30	Pass
16QAM	1717.5	1	0	21.03	-1.47	19.56	<=30	Pass
			38	20.96	-1.47	19.49	<=30	Pass
			74	20.92	-1.47	19.45	<=30	Pass
		36	0	19.31	-1.47	17.84	<=30	Pass
			18	19.39	-1.47	17.92	<=30	Pass
			39	19.37	-1.47	17.90	<=30	Pass

Total or partial reproduction of this document without permission of the Laboratory is not allowed.

BTF Testing Lab (Shenzhen) Co., Ltd.
101/201/301, Building 1, Block 2, Tantou Industrial Park,Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Email: info@btf-lab.com Tel: +86-755-23146130 http://www.btf-lab.com

		75	0	19.35	-1.47	17.88	<=30	Pass
	1745	1	0	21.20	-1.47	19.73	<=30	Pass
			38	21.21	-1.47	19.74	<=30	Pass
			74	21.19	-1.47	19.72	<=30	Pass
		36	0	19.24	-1.47	17.77	<=30	Pass
			18	19.24	-1.47	17.77	<=30	Pass
			39	19.22	-1.47	17.75	<=30	Pass
		75	0	19.27	-1.47	17.80	<=30	Pass
	1772.5	1	0	20.80	-1.47	19.33	<=30	Pass
			38	20.75	-1.47	19.28	<=30	Pass
			74	20.63	-1.47	19.16	<=30	Pass
		36	0	18.96	-1.47	17.49	<=30	Pass
			18	18.86	-1.47	17.39	<=30	Pass
			39	18.79	-1.47	17.32	<=30	Pass
		75	0	18.86	-1.47	17.39	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.6 B66_20MHz_EIRP

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	21.39	-1.47	19.92	<=30	Pass
			50	21.32	-1.47	19.85	<=30	Pass
			99	21.27	-1.47	19.80	<=30	Pass
		50	0	20.17	-1.47	18.70	<=30	Pass
			25	20.13	-1.47	18.66	<=30	Pass
			50	20.19	-1.47	18.72	<=30	Pass
		100	0	20.25	-1.47	18.78	<=30	Pass
	1745	1	0	21.06	-1.47	19.59	<=30	Pass
			50	21.00	-1.47	19.53	<=30	Pass
			99	20.97	-1.47	19.50	<=30	Pass
		50	0	20.01	-1.47	18.54	<=30	Pass
			25	20.19	-1.47	18.72	<=30	Pass
			50	19.96	-1.47	18.49	<=30	Pass
		100	0	20.17	-1.47	18.70	<=30	Pass
	1770	1	0	20.96	-1.47	19.49	<=30	Pass
			50	20.84	-1.47	19.37	<=30	Pass
			99	20.81	-1.47	19.34	<=30	Pass
		50	0	19.80	-1.47	18.33	<=30	Pass
			25	19.75	-1.47	18.28	<=30	Pass
			50	19.77	-1.47	18.30	<=30	Pass
		100	0	19.78	-1.47	18.31	<=30	Pass
16QAM	1720	1	0	21.51	-1.47	20.04	<=30	Pass
			50	21.48	-1.47	20.01	<=30	Pass
			99	21.42	-1.47	19.95	<=30	Pass
		50	0	19.28	-1.47	17.81	<=30	Pass
			25	19.25	-1.47	17.78	<=30	Pass
			50	19.31	-1.47	17.84	<=30	Pass
		100	0	19.31	-1.47	17.84	<=30	Pass
	1745	1	0	21.11	-1.47	19.64	<=30	Pass
			50	20.96	-1.47	19.49	<=30	Pass
			99	21.02	-1.47	19.55	<=30	Pass
		50	0	19.33	-1.47	17.86	<=30	Pass
			25	19.33	-1.47	17.86	<=30	Pass
			50	19.26	-1.47	17.79	<=30	Pass
		100	0	19.19	-1.47	17.72	<=30	Pass
	1770	1	0	20.34	-1.47	18.87	<=30	Pass
			50	20.24	-1.47	18.77	<=30	Pass
			99	20.18	-1.47	18.71	<=30	Pass

Total or partial reproduction of this document without permission of the Laboratory is not allowed.

BTF Testing Lab (Shenzhen) Co., Ltd.
101/201/301, Building 1, Block 2, Tantou Industrial Park,Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Email: info@btf-lab.com Tel: +86-755-23146130 http://www.btf-lab.com

		50	0	18.92	-1.47	17.45	<=30	Pass
			25	18.89	-1.47	17.42	<=30	Pass
			50	18.82	-1.47	17.35	<=30	Pass
		100	0	18.99	-1.47	17.52	<=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	1.373	0.0008	-2.5 to 2.5	Pass
					3.85	-30.398	-0.0178	-2.5 to 2.5	Pass
					4.43	-2.661	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-3.519	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-6.680	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-4.978	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-2.847	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-1.502	-0.0009	-2.5 to 2.5	Pass
				40	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				50	3.85	3.276	0.0019	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	12.703	0.0073	-2.5 to 2.5	Pass
					3.85	15.407	0.0088	-2.5 to 2.5	Pass
					4.43	26.765	0.0153	-2.5 to 2.5	Pass
				-30	3.85	30.270	0.0173	-2.5 to 2.5	Pass
				-20	3.85	3.233	0.0019	-2.5 to 2.5	Pass
				-10	3.85	8.340	0.0048	-2.5 to 2.5	Pass
				0	3.85	16.665	0.0096	-2.5 to 2.5	Pass
				10	3.85	17.781	0.0102	-2.5 to 2.5	Pass
				30	3.85	21.386	0.0123	-2.5 to 2.5	Pass
				40	3.85	28.067	0.0161	-2.5 to 2.5	Pass
				50	3.85	31.872	0.0183	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	-22.101	-0.0124	-2.5 to 2.5	Pass
					3.85	-27.738	-0.0156	-2.5 to 2.5	Pass
					4.43	-37.150	-0.0209	-2.5 to 2.5	Pass
				-30	3.85	-20.785	-0.0117	-2.5 to 2.5	Pass
				-20	3.85	-33.875	-0.0190	-2.5 to 2.5	Pass
				-10	3.85	-18.311	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-32.916	-0.0185	-2.5 to 2.5	Pass
				10	3.85	-7.668	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-18.153	-0.0102	-2.5 to 2.5	Pass
				40	3.85	-30.599	-0.0172	-2.5 to 2.5	Pass
				50	3.85	-21.014	-0.0118	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	2.604	0.0015	-2.5 to 2.5	Pass
					3.85	4.420	0.0026	-2.5 to 2.5	Pass
					4.43	9.298	0.0054	-2.5 to 2.5	Pass
				-30	3.85	8.397	0.0049	-2.5 to 2.5	Pass
				-20	3.85	7.153	0.0042	-2.5 to 2.5	Pass
				-10	3.85	1.202	0.0007	-2.5 to 2.5	Pass
				0	3.85	3.576	0.0021	-2.5 to 2.5	Pass
				10	3.85	2.961	0.0017	-2.5 to 2.5	Pass
				30	3.85	3.076	0.0018	-2.5 to 2.5	Pass
				40	3.85	0.358	0.0002	-2.5 to 2.5	Pass

Total or partial reproduction of this document without permission of the Laboratory is not allowed.

BTF Testing Lab (Shenzhen) Co., Ltd.
101/201/301, Building 1, Block 2, Tantou Industrial Park,Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Email: info@btf-lab.com Tel: +86-755-23146130 http://www.btf-lab.com

				50	3.85	7.195	0.0042	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	33.860	0.0194	-2.5 to 2.5	Pass
					3.85	22.988	0.0132	-2.5 to 2.5	Pass
					4.43	42.930	0.0246	-2.5 to 2.5	Pass
				-30	3.85	20.700	0.0119	-2.5 to 2.5	Pass
				-20	3.85	32.229	0.0185	-2.5 to 2.5	Pass
				-10	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				0	3.85	13.647	0.0078	-2.5 to 2.5	Pass
				10	3.85	23.332	0.0134	-2.5 to 2.5	Pass
				30	3.85	-0.787	-0.0005	-2.5 to 2.5	Pass
				40	3.85	9.027	0.0052	-2.5 to 2.5	Pass
				50	3.85	15.578	0.0089	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	-36.306	-0.0204	-2.5 to 2.5	Pass
					3.85	0.043	0.0000	-2.5 to 2.5	Pass
					4.43	-4.964	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-12.660	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-22.974	-0.0129	-2.5 to 2.5	Pass
				-10	3.85	-33.646	-0.0189	-2.5 to 2.5	Pass
				0	3.85	6.380	0.0036	-2.5 to 2.5	Pass
				10	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-13.318	-0.0075	-2.5 to 2.5	Pass
				40	3.85	-24.018	-0.0135	-2.5 to 2.5	Pass
				50	3.85	-25.420	-0.0143	-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	-3.448	-0.0020	-2.5 to 2.5	Pass
					3.85	-31.786	-0.0186	-2.5 to 2.5	Pass
					4.43	-33.402	-0.0195	-2.5 to 2.5	Pass
				-30	3.85	-5.493	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-10.071	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-4.206	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-29.583	-0.0173	-2.5 to 2.5	Pass
				10	3.85	-15.020	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-29.340	-0.0171	-2.5 to 2.5	Pass
				40	3.85	4.292	0.0025	-2.5 to 2.5	Pass
				50	3.85	-15.950	-0.0093	-2.5 to 2.5	Pass
	1745	15	0	20	3.27	33.345	0.0191	-2.5 to 2.5	Pass
					3.85	7.381	0.0042	-2.5 to 2.5	Pass
					4.43	10.042	0.0058	-2.5 to 2.5	Pass
				-30	3.85	20.556	0.0118	-2.5 to 2.5	Pass
				-20	3.85	27.981	0.0160	-2.5 to 2.5	Pass
				-10	3.85	1.845	0.0011	-2.5 to 2.5	Pass
				0	3.85	7.682	0.0044	-2.5 to 2.5	Pass
				10	3.85	16.136	0.0092	-2.5 to 2.5	Pass
				30	3.85	24.977	0.0143	-2.5 to 2.5	Pass
				40	3.85	29.454	0.0169	-2.5 to 2.5	Pass
				50	3.85	-7.124	-0.0041	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	-14.949	-0.0084	-2.5 to 2.5	Pass
					3.85	-29.984	-0.0169	-2.5 to 2.5	Pass
					4.43	-15.678	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-9.356	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-5.851	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-32.916	-0.0185	-2.5 to 2.5	Pass
				0	3.85	-8.969	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-20.499	-0.0115	-2.5 to 2.5	Pass
				30	3.85	-33.574	-0.0189	-2.5 to 2.5	Pass

Total or partial reproduction of this document without permission of the Laboratory is not allowed.

BTF Testing Lab (Shenzhen) Co., Ltd.
101/201/301, Building 1, Block 2, Tantou Industrial Park,Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Email: info@btf-lab.com Tel: +86-755-23146130 http://www.btf-lab.com

				40	3.85	-43.416	-0.0244	-2.5 to 2.5	Pass
				50	3.85	2.675	0.0015	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-19.040	-0.0111	-2.5 to 2.5	Pass
					3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
					4.43	-2.046	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	3.877	0.0023	-2.5 to 2.5	Pass
				-20	3.85	8.254	0.0048	-2.5 to 2.5	Pass
				-10	3.85	9.842	0.0058	-2.5 to 2.5	Pass
				0	3.85	11.044	0.0065	-2.5 to 2.5	Pass
				10	3.85	14.091	0.0082	-2.5 to 2.5	Pass
				30	3.85	16.093	0.0094	-2.5 to 2.5	Pass
				40	3.85	18.811	0.0110	-2.5 to 2.5	Pass
				50	3.85	16.050	0.0094	-2.5 to 2.5	Pass
	1745	15	0	20	3.27	-2.160	-0.0012	-2.5 to 2.5	Pass
					3.85	23.274	0.0133	-2.5 to 2.5	Pass
					4.43	7.682	0.0044	-2.5 to 2.5	Pass
				-30	3.85	22.917	0.0131	-2.5 to 2.5	Pass
				-20	3.85	2.618	0.0015	-2.5 to 2.5	Pass
				-10	3.85	18.168	0.0104	-2.5 to 2.5	Pass
				0	3.85	28.424	0.0163	-2.5 to 2.5	Pass
				10	3.85	39.554	0.0227	-2.5 to 2.5	Pass
				30	3.85	13.146	0.0075	-2.5 to 2.5	Pass
				40	3.85	26.307	0.0151	-2.5 to 2.5	Pass
				50	3.85	35.162	0.0202	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	-1.202	-0.0007	-2.5 to 2.5	Pass
					3.85	15.049	0.0085	-2.5 to 2.5	Pass
					4.43	14.577	0.0082	-2.5 to 2.5	Pass
				-30	3.85	14.505	0.0082	-2.5 to 2.5	Pass
				-20	3.85	14.734	0.0083	-2.5 to 2.5	Pass
				-10	3.85	13.833	0.0078	-2.5 to 2.5	Pass
				0	3.85	16.179	0.0091	-2.5 to 2.5	Pass
				10	3.85	19.498	0.0110	-2.5 to 2.5	Pass
				30	3.85	14.248	0.0080	-2.5 to 2.5	Pass
				40	3.85	10.328	0.0058	-2.5 to 2.5	Pass
				50	3.85	16.079	0.0090	-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	4.034	0.0024	-2.5 to 2.5	Pass
					3.85	-34.404	-0.0201	-2.5 to 2.5	Pass
					4.43	-29.969	-0.0175	-2.5 to 2.5	Pass
				-30	3.85	-25.020	-0.0146	-2.5 to 2.5	Pass
				-20	3.85	-9.170	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	1.774	0.0010	-2.5 to 2.5	Pass
				0	3.85	-13.733	-0.0080	-2.5 to 2.5	Pass
				10	3.85	-22.702	-0.0133	-2.5 to 2.5	Pass
				30	3.85	-32.687	-0.0191	-2.5 to 2.5	Pass
				40	3.85	-1.817	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-10.028	-0.0059	-2.5 to 2.5	Pass
	1745	25	0	20	3.27	29.426	0.0169	-2.5 to 2.5	Pass
					3.85	36.879	0.0211	-2.5 to 2.5	Pass
					4.43	25.077	0.0144	-2.5 to 2.5	Pass
				-30	3.85	35.748	0.0205	-2.5 to 2.5	Pass
				-20	3.85	4.807	0.0028	-2.5 to 2.5	Pass
				-10	3.85	15.464	0.0089	-2.5 to 2.5	Pass
				0	3.85	21.014	0.0120	-2.5 to 2.5	Pass
				10	3.85	32.330	0.0185	-2.5 to 2.5	Pass

Total or partial reproduction of this document without permission of the Laboratory is not allowed.

BTF Testing Lab (Shenzhen) Co., Ltd.
101/201/301, Building 1, Block 2, Tantou Industrial Park,Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Email: info@btf-lab.com Tel: +86-755-23146130 http://www.btf-lab.com

				30	3.85	36.578	0.0210	-2.5 to 2.5	Pass
				40	3.85	-16.494	-0.0095	-2.5 to 2.5	Pass
				50	3.85	-6.795	-0.0039	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.27	-19.369	-0.0109	-2.5 to 2.5	Pass
					3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
					4.43	-15.163	-0.0085	-2.5 to 2.5	Pass
				-30	3.85	-26.765	-0.0151	-2.5 to 2.5	Pass
				-20	3.85	-17.395	-0.0098	-2.5 to 2.5	Pass
				-10	3.85	-38.853	-0.0219	-2.5 to 2.5	Pass
				0	3.85	-6.509	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-19.698	-0.0111	-2.5 to 2.5	Pass
				30	3.85	-27.251	-0.0153	-2.5 to 2.5	Pass
				40	3.85	2.117	0.0012	-2.5 to 2.5	Pass
				50	3.85	-5.536	-0.0031	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-12.445	-0.0073	-2.5 to 2.5	Pass
					3.85	4.120	0.0024	-2.5 to 2.5	Pass
					4.43	3.247	0.0019	-2.5 to 2.5	Pass
				-30	3.85	3.419	0.0020	-2.5 to 2.5	Pass
				-20	3.85	6.981	0.0041	-2.5 to 2.5	Pass
				-10	3.85	11.029	0.0064	-2.5 to 2.5	Pass
				0	3.85	8.626	0.0050	-2.5 to 2.5	Pass
				10	3.85	10.343	0.0060	-2.5 to 2.5	Pass
				30	3.85	10.915	0.0064	-2.5 to 2.5	Pass
				40	3.85	12.016	0.0070	-2.5 to 2.5	Pass
				50	3.85	14.577	0.0085	-2.5 to 2.5	Pass
	1745	25	0	20	3.27	-3.433	-0.0020	-2.5 to 2.5	Pass
					3.85	27.652	0.0158	-2.5 to 2.5	Pass
					4.43	14.277	0.0082	-2.5 to 2.5	Pass
				-30	3.85	30.384	0.0174	-2.5 to 2.5	Pass
				-20	3.85	10.557	0.0060	-2.5 to 2.5	Pass
				-10	3.85	26.650	0.0153	-2.5 to 2.5	Pass
				0	3.85	3.018	0.0017	-2.5 to 2.5	Pass
				10	3.85	18.539	0.0106	-2.5 to 2.5	Pass
				30	3.85	37.594	0.0215	-2.5 to 2.5	Pass
				40	3.85	23.003	0.0132	-2.5 to 2.5	Pass
				50	3.85	22.316	0.0128	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.27	-10.328	-0.0058	-2.5 to 2.5	Pass
					3.85	7.682	0.0043	-2.5 to 2.5	Pass
					4.43	10.915	0.0061	-2.5 to 2.5	Pass
				-30	3.85	11.172	0.0063	-2.5 to 2.5	Pass
				-20	3.85	12.074	0.0068	-2.5 to 2.5	Pass
				-10	3.85	15.793	0.0089	-2.5 to 2.5	Pass
				0	3.85	15.392	0.0087	-2.5 to 2.5	Pass
				10	3.85	11.015	0.0062	-2.5 to 2.5	Pass
				30	3.85	14.677	0.0083	-2.5 to 2.5	Pass
				40	3.85	15.850	0.0089	-2.5 to 2.5	Pass
				50	3.85	17.552	0.0099	-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	-26.093	-0.0152	-2.5 to 2.5	Pass
					3.85	-10.986	-0.0064	-2.5 to 2.5	Pass
					4.43	-11.973	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-30.327	-0.0177	-2.5 to 2.5	Pass
				-20	3.85	-28.639	-0.0167	-2.5 to 2.5	Pass
				-10	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-17.695	-0.0103	-2.5 to 2.5	Pass

Total or partial reproduction of this document without permission of the Laboratory is not allowed.

BTF Testing Lab (Shenzhen) Co., Ltd.
101/201/301, Building 1, Block 2, Tantou Industrial Park,Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Email: info@btf-lab.com Tel: +86-755-23146130 http://www.btf-lab.com

				10	3.85	-29.855	-0.0174	-2.5 to 2.5	Pass
				30	3.85	-36.192	-0.0211	-2.5 to 2.5	Pass
				40	3.85	-40.698	-0.0237	-2.5 to 2.5	Pass
				50	3.85	-6.194	-0.0036	-2.5 to 2.5	Pass
	1745	50	0	20	3.27	29.039	0.0166	-2.5 to 2.5	Pass
					3.85	32.558	0.0187	-2.5 to 2.5	Pass
					4.43	5.593	0.0032	-2.5 to 2.5	Pass
				-30	3.85	18.682	0.0107	-2.5 to 2.5	Pass
				-20	3.85	29.440	0.0169	-2.5 to 2.5	Pass
				-10	3.85	39.597	0.0227	-2.5 to 2.5	Pass
				0	3.85	26.779	0.0153	-2.5 to 2.5	Pass
				10	3.85	34.475	0.0198	-2.5 to 2.5	Pass
				30	3.85	-8.669	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
				50	3.85	0.243	0.0001	-2.5 to 2.5	Pass
	1775	50	0	20	3.27	23.818	0.0134	-2.5 to 2.5	Pass
					3.85	-24.161	-0.0136	-2.5 to 2.5	Pass
					4.43	-33.259	-0.0187	-2.5 to 2.5	Pass
				-30	3.85	-34.361	-0.0194	-2.5 to 2.5	Pass
				-20	3.85	3.748	0.0021	-2.5 to 2.5	Pass
				-10	3.85	-18.554	-0.0105	-2.5 to 2.5	Pass
				0	3.85	-33.031	-0.0186	-2.5 to 2.5	Pass
				10	3.85	-5.722	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-17.910	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-27.680	-0.0156	-2.5 to 2.5	Pass
				50	3.85	-35.434	-0.0200	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-5.994	-0.0035	-2.5 to 2.5	Pass
					3.85	8.640	0.0050	-2.5 to 2.5	Pass
					4.43	7.796	0.0045	-2.5 to 2.5	Pass
				-30	3.85	9.184	0.0054	-2.5 to 2.5	Pass
				-20	3.85	9.384	0.0055	-2.5 to 2.5	Pass
				-10	3.85	8.669	0.0051	-2.5 to 2.5	Pass
				0	3.85	8.512	0.0050	-2.5 to 2.5	Pass
				10	3.85	4.377	0.0026	-2.5 to 2.5	Pass
				30	3.85	9.484	0.0055	-2.5 to 2.5	Pass
				40	3.85	7.610	0.0044	-2.5 to 2.5	Pass
				50	3.85	7.167	0.0042	-2.5 to 2.5	Pass
	1745	50	0	20	3.27	8.612	0.0049	-2.5 to 2.5	Pass
					3.85	0.844	0.0005	-2.5 to 2.5	Pass
					4.43	18.082	0.0104	-2.5 to 2.5	Pass
				-30	3.85	-11.001	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	4.821	0.0028	-2.5 to 2.5	Pass
				-10	3.85	19.698	0.0113	-2.5 to 2.5	Pass
				0	3.85	21.114	0.0121	-2.5 to 2.5	Pass
				10	3.85	9.170	0.0053	-2.5 to 2.5	Pass
				30	3.85	23.575	0.0135	-2.5 to 2.5	Pass
				40	3.85	31.929	0.0183	-2.5 to 2.5	Pass
				50	3.85	14.319	0.0082	-2.5 to 2.5	Pass
	1775	50	0	20	3.27	-39.911	-0.0225	-2.5 to 2.5	Pass
					3.85	-19.484	-0.0110	-2.5 to 2.5	Pass
					4.43	-7.038	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	1.116	0.0006	-2.5 to 2.5	Pass
				-20	3.85	7.610	0.0043	-2.5 to 2.5	Pass
				-10	3.85	13.247	0.0075	-2.5 to 2.5	Pass
				0	3.85	20.027	0.0113	-2.5 to 2.5	Pass
				10	3.85	22.702	0.0128	-2.5 to 2.5	Pass
				30	3.85	27.165	0.0153	-2.5 to 2.5	Pass
				40	3.85	27.251	0.0154	-2.5 to 2.5	Pass
				50	3.85	31.071	0.0175	-2.5 to 2.5	Pass

Total or partial reproduction of this document without permission of the Laboratory is not allowed.

BTF Testing Lab (Shenzhen) Co., Ltd.
101/201/301, Building 1, Block 2, Tantou Industrial Park,Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Email: info@btf-lab.com Tel: +86-755-23146130 http://www.btf-lab.com

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	-21.472	-0.0125	-2.5 to 2.5	Pass
					3.85	-21.629	-0.0126	-2.5 to 2.5	Pass
					4.43	-34.447	-0.0201	-2.5 to 2.5	Pass
				-30	3.85	-18.139	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-17.438	-0.0102	-2.5 to 2.5	Pass
				-10	3.85	-13.332	-0.0078	-2.5 to 2.5	Pass
				0	3.85	4.892	0.0028	-2.5 to 2.5	Pass
				10	3.85	-15.435	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-26.650	-0.0155	-2.5 to 2.5	Pass
				40	3.85	1.287	0.0007	-2.5 to 2.5	Pass
				50	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
	1745	75	0	20	3.27	38.195	0.0219	-2.5 to 2.5	Pass
					3.85	5.879	0.0034	-2.5 to 2.5	Pass
					4.43	18.768	0.0108	-2.5 to 2.5	Pass
				-30	3.85	23.446	0.0134	-2.5 to 2.5	Pass
				-20	3.85	33.317	0.0191	-2.5 to 2.5	Pass
				-10	3.85	43.359	0.0248	-2.5 to 2.5	Pass
				0	3.85	28.453	0.0163	-2.5 to 2.5	Pass
				10	3.85	32.172	0.0184	-2.5 to 2.5	Pass
				30	3.85	37.937	0.0217	-2.5 to 2.5	Pass
				40	3.85	-15.249	-0.0087	-2.5 to 2.5	Pass
				50	3.85	-14.892	-0.0085	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.27	8.354	0.0047	-2.5 to 2.5	Pass
					3.85	-41.971	-0.0237	-2.5 to 2.5	Pass
					4.43	-22.230	-0.0125	-2.5 to 2.5	Pass
				-30	3.85	-8.168	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-26.965	-0.0152	-2.5 to 2.5	Pass
				-10	3.85	-18.296	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-29.154	-0.0164	-2.5 to 2.5	Pass
				10	3.85	-36.836	-0.0208	-2.5 to 2.5	Pass
				30	3.85	5.050	0.0028	-2.5 to 2.5	Pass
				40	3.85	-4.106	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-7.753	-0.0044	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-10.843	-0.0063	-2.5 to 2.5	Pass
					3.85	3.290	0.0019	-2.5 to 2.5	Pass
					4.43	5.307	0.0031	-2.5 to 2.5	Pass
				-30	3.85	6.280	0.0037	-2.5 to 2.5	Pass
				-20	3.85	7.982	0.0046	-2.5 to 2.5	Pass
				-10	3.85	8.354	0.0049	-2.5 to 2.5	Pass
				0	3.85	5.708	0.0033	-2.5 to 2.5	Pass
				10	3.85	4.807	0.0028	-2.5 to 2.5	Pass
				30	3.85	7.410	0.0043	-2.5 to 2.5	Pass
				40	3.85	5.879	0.0034	-2.5 to 2.5	Pass
				50	3.85	6.337	0.0037	-2.5 to 2.5	Pass
	1745	75	0	20	3.27	-6.695	-0.0038	-2.5 to 2.5	Pass
					3.85	23.661	0.0136	-2.5 to 2.5	Pass
					4.43	10.142	0.0058	-2.5 to 2.5	Pass
				-30	3.85	24.447	0.0140	-2.5 to 2.5	Pass
				-20	3.85	5.822	0.0033	-2.5 to 2.5	Pass
				-10	3.85	20.885	0.0120	-2.5 to 2.5	Pass
				0	3.85	32.873	0.0188	-2.5 to 2.5	Pass
				10	3.85	10.157	0.0058	-2.5 to 2.5	Pass
				30	3.85	16.365	0.0094	-2.5 to 2.5	Pass
				40	3.85	26.279	0.0151	-2.5 to 2.5	Pass
				50	3.85	2.646	0.0015	-2.5 to 2.5	Pass

Total or partial reproduction of this document without permission of the Laboratory is not allowed.

BTF Testing Lab (Shenzhen) Co., Ltd.
101/201/301, Building 1, Block 2, Tantou Industrial Park,Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Email: info@btf-lab.com Tel: +86-755-23146130 http://www.btf-lab.com

				20	3.27	-14.606	-0.0082	-2.5 to 2.5	Pass
					3.85	5.493	0.0031	-2.5 to 2.5	Pass
					4.43	18.325	0.0103	-2.5 to 2.5	Pass
	1772.5	75	0	-30	3.85	31.343	0.0177	-2.5 to 2.5	Pass
				-20	3.85	-8.011	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				0	3.85	6.981	0.0039	-2.5 to 2.5	Pass
				10	3.85	13.733	0.0077	-2.5 to 2.5	Pass
				30	3.85	15.550	0.0088	-2.5 to 2.5	Pass
				40	3.85	23.589	0.0133	-2.5 to 2.5	Pass
				50	3.85	29.254	0.0165	-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	-28.653	-0.0167	-2.5 to 2.5	Pass
					3.85	-28.954	-0.0168	-2.5 to 2.5	Pass
					4.43	-6.137	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-18.082	-0.0105	-2.5 to 2.5	Pass
				-20	3.85	-27.952	-0.0163	-2.5 to 2.5	Pass
				-10	3.85	-27.008	-0.0157	-2.5 to 2.5	Pass
				0	3.85	-16.494	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-37.065	-0.0215	-2.5 to 2.5	Pass
				30	3.85	-17.581	-0.0102	-2.5 to 2.5	Pass
				40	3.85	-29.111	-0.0169	-2.5 to 2.5	Pass
				50	3.85	-40.441	-0.0235	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	34.304	0.0197	-2.5 to 2.5	Pass
					3.85	39.639	0.0227	-2.5 to 2.5	Pass
					4.43	11.716	0.0067	-2.5 to 2.5	Pass
				-30	3.85	22.244	0.0127	-2.5 to 2.5	Pass
				-20	3.85	26.865	0.0154	-2.5 to 2.5	Pass
				-10	3.85	35.062	0.0201	-2.5 to 2.5	Pass
				0	3.85	-19.526	-0.0112	-2.5 to 2.5	Pass
				10	3.85	-14.906	-0.0085	-2.5 to 2.5	Pass
				30	3.85	-11.287	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-7.367	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-5.021	-0.0029	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	22.073	0.0125	-2.5 to 2.5	Pass
					3.85	-35.148	-0.0199	-2.5 to 2.5	Pass
					4.43	-27.552	-0.0156	-2.5 to 2.5	Pass
				-30	3.85	-13.576	-0.0077	-2.5 to 2.5	Pass
				-20	3.85	-27.180	-0.0154	-2.5 to 2.5	Pass
				-10	3.85	-42.214	-0.0238	-2.5 to 2.5	Pass
				0	3.85	-21.944	-0.0124	-2.5 to 2.5	Pass
				10	3.85	-23.403	-0.0132	-2.5 to 2.5	Pass
				30	3.85	-29.569	-0.0167	-2.5 to 2.5	Pass
				40	3.85	-36.964	-0.0209	-2.5 to 2.5	Pass
				50	3.85	-39.668	-0.0224	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-44.131	-0.0257	-2.5 to 2.5	Pass
					3.85	-31.543	-0.0183	-2.5 to 2.5	Pass
					4.43	-29.755	-0.0173	-2.5 to 2.5	Pass
				-30	3.85	-30.584	-0.0178	-2.5 to 2.5	Pass
				-20	3.85	-29.683	-0.0173	-2.5 to 2.5	Pass
				-10	3.85	-27.409	-0.0159	-2.5 to 2.5	Pass
				0	3.85	-24.920	-0.0145	-2.5 to 2.5	Pass
				10	3.85	-28.281	-0.0164	-2.5 to 2.5	Pass
				30	3.85	-26.822	-0.0156	-2.5 to 2.5	Pass
				40	3.85	-27.537	-0.0160	-2.5 to 2.5	Pass

Total or partial reproduction of this document without permission of the Laboratory is not allowed.

BTF Testing Lab (Shenzhen) Co., Ltd.
101/201/301, Building 1, Block 2, Tantou Industrial Park,Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Email: info@btf-lab.com Tel: +86-755-23146130 http://www.btf-lab.com

				50	3.85	-28.238	-0.0164	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-0.315	-0.0002	-2.5 to 2.5	Pass
					3.85	30.427	0.0174	-2.5 to 2.5	Pass
					4.43	10.915	0.0063	-2.5 to 2.5	Pass
				-30	3.85	27.809	0.0159	-2.5 to 2.5	Pass
				-20	3.85	4.449	0.0025	-2.5 to 2.5	Pass
				-10	3.85	22.845	0.0131	-2.5 to 2.5	Pass
				0	3.85	22.388	0.0128	-2.5 to 2.5	Pass
				10	3.85	8.497	0.0049	-2.5 to 2.5	Pass
				30	3.85	17.838	0.0102	-2.5 to 2.5	Pass
				40	3.85	33.674	0.0193	-2.5 to 2.5	Pass
				50	3.85	3.877	0.0022	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	4.792	0.0027	-2.5 to 2.5	Pass
					3.85	21.787	0.0123	-2.5 to 2.5	Pass
					4.43	13.175	0.0074	-2.5 to 2.5	Pass
				-30	3.85	1.817	0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.044	0.0006	-2.5 to 2.5	Pass
				-10	3.85	16.837	0.0095	-2.5 to 2.5	Pass
				0	3.85	21.486	0.0121	-2.5 to 2.5	Pass
				10	3.85	29.125	0.0165	-2.5 to 2.5	Pass
				30	3.85	-7.410	-0.0042	-2.5 to 2.5	Pass
				40	3.85	4.992	0.0028	-2.5 to 2.5	Pass
				50	3.85	8.183	0.0046	-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 / NTNV						
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 / NTNV						
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 / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	

Total or partial reproduction of this document without permission of the Laboratory is not allowed.

BTF Testing Lab (Shenzhen) Co., Ltd.
101/201/301, Building 1, Block 2, Tantou Industrial Park,Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Email: info@btf-lab.com Tel: +86-755-23146130 http://www.btf-lab.com

QPSK	1745	50	0	Refer To Test Graph	Pass
16QAM	1745	50	0	Refer To Test Graph	Pass

3.1.5 B66_15MHz

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

3.1.6 B66_20MHz

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

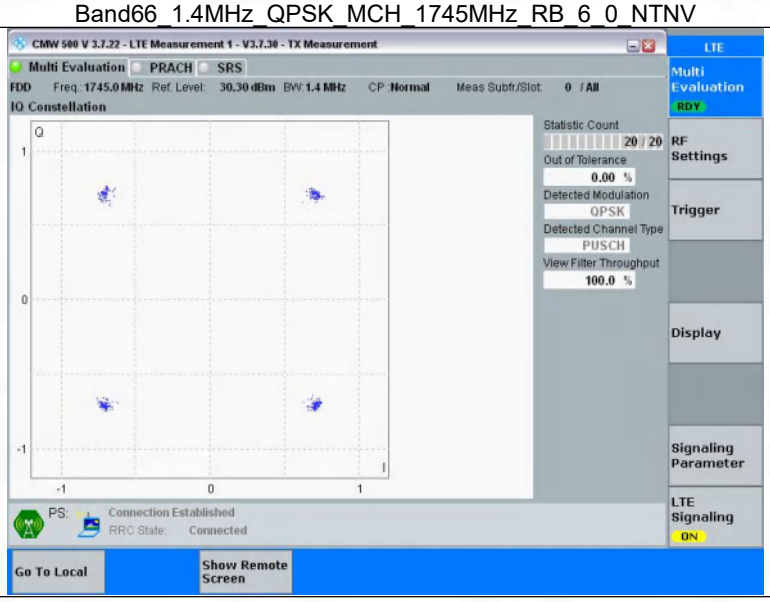
Total or partial reproduction of this document without permission of the Laboratory is not allowed.

BTF Testing Lab (Shenzhen) Co., Ltd.
101/201/301, Building 1, Block 2, Tantou Industrial Park,Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Email: info@btf-lab.com Tel: +86-755-23146130 http://www.btf-lab.com

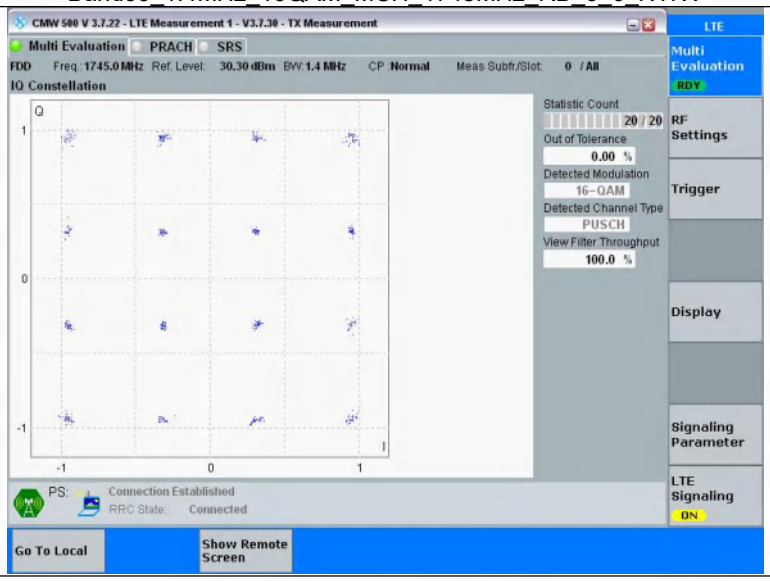
3.2 Test Graph

3.2.1 B66_1.4MHz

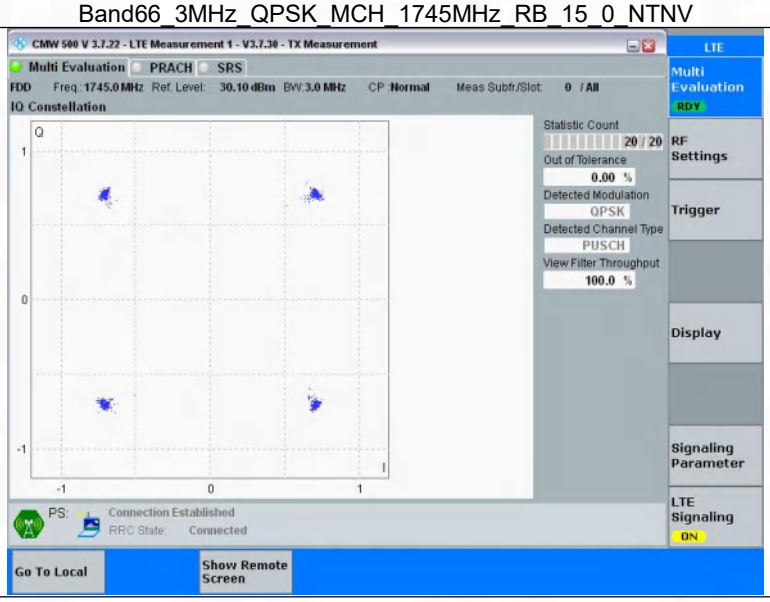
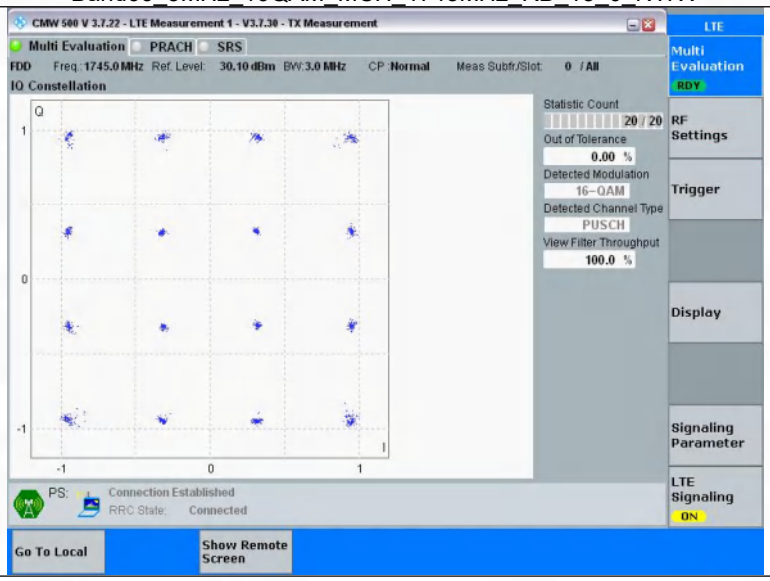
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



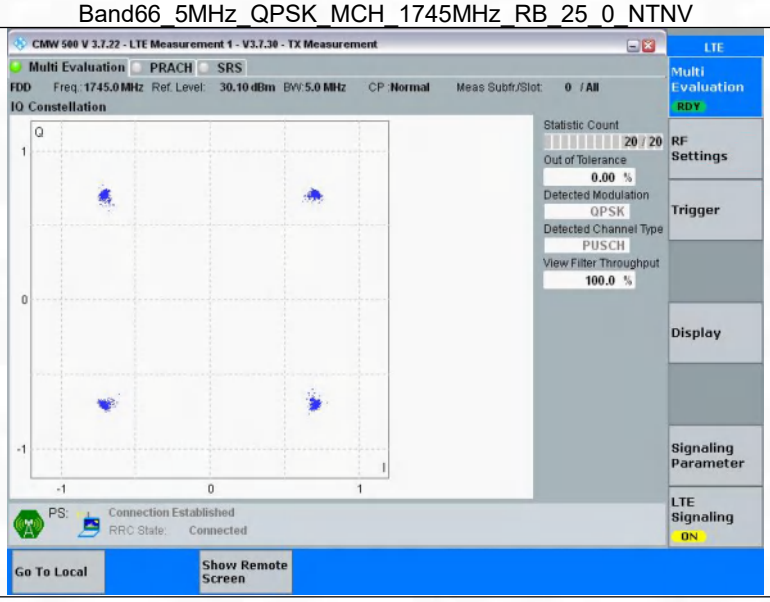
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV

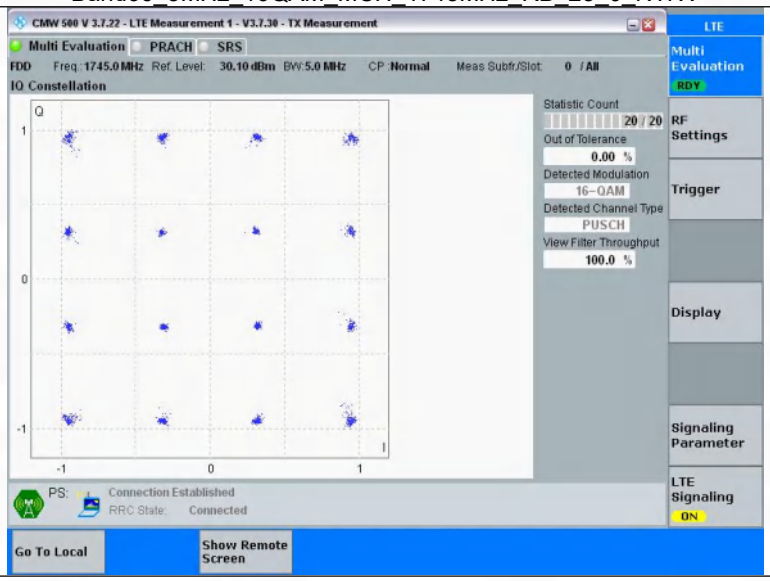


3.2.2 B66_3MHz

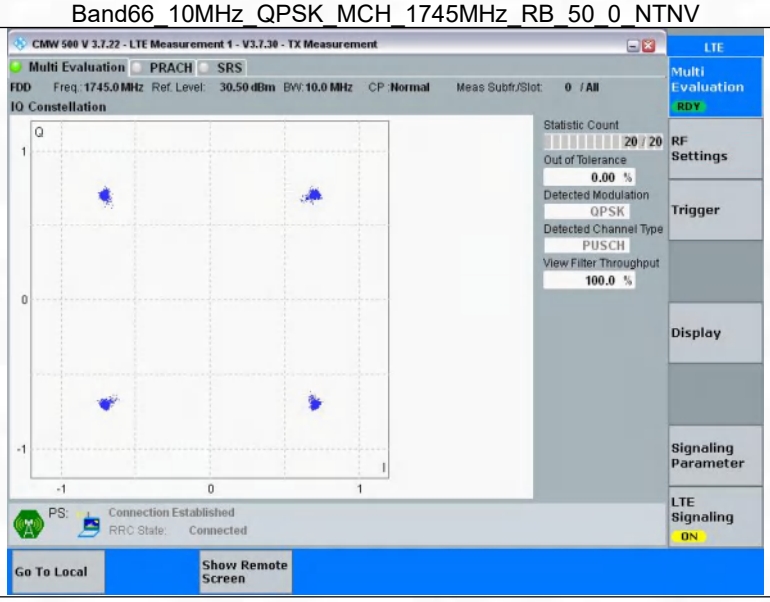
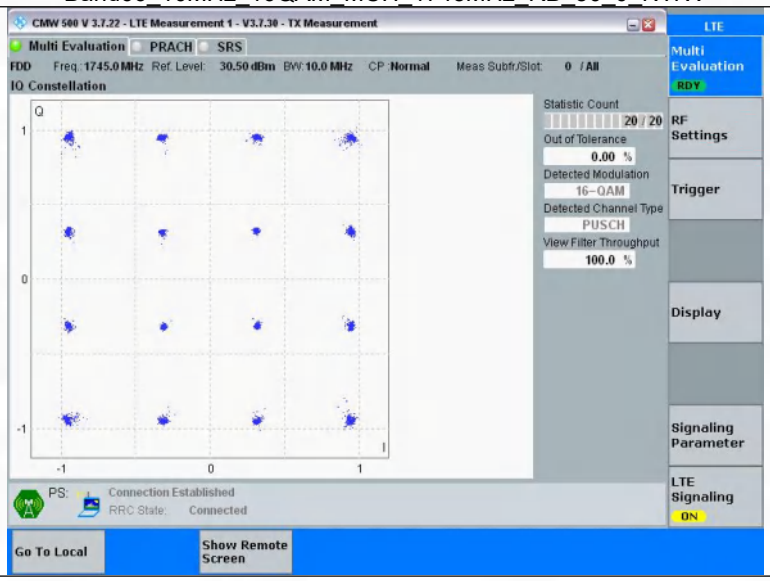
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV

Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV


3.2.3 B66_5MHz

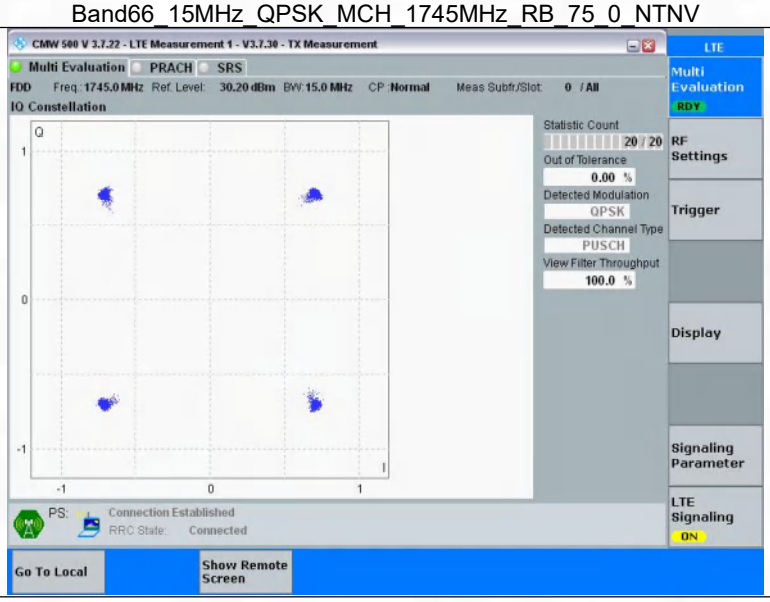
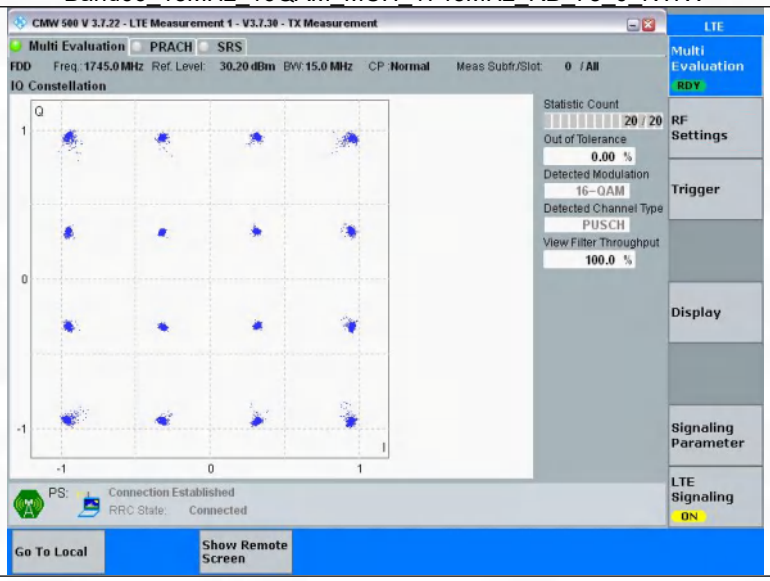
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV


Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV


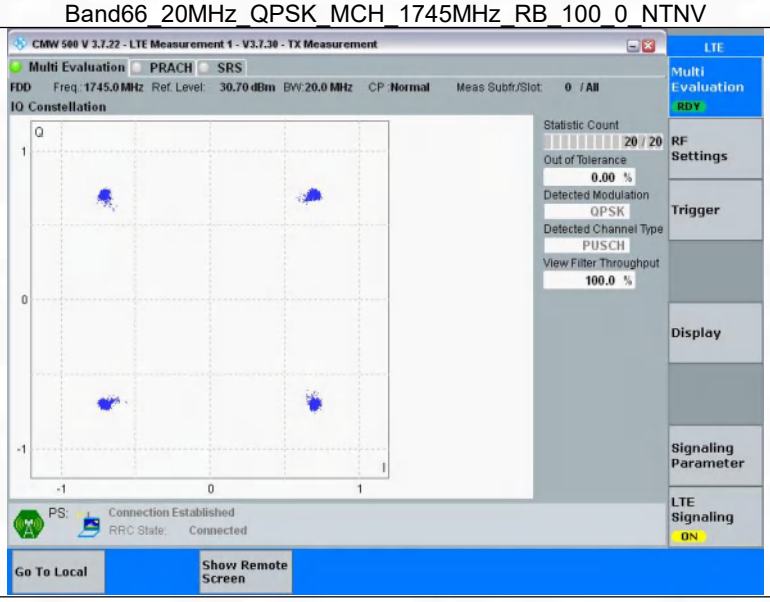
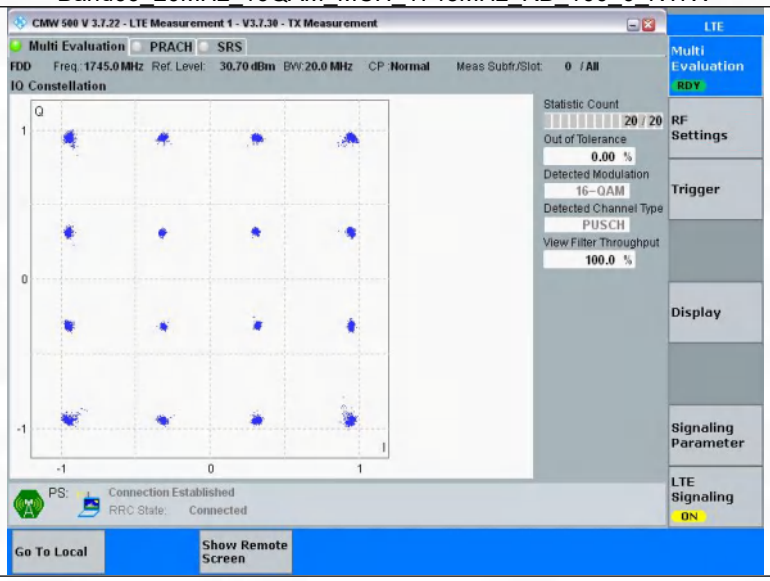
3.2.4 B66_10MHz

Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV

Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV


3.2.5 B66_15MHz

Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV

Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV


3.2.6 B66_20MHz

Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV

Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV


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	1.105	/	Pass
		1745	6	0	1.106	/	Pass
		1779.3	6	0	1.109	/	Pass
	16QAM	1710.7	6	0	1.113	/	Pass
		1745	6	0	1.110	/	Pass
		1779.3	6	0	1.121	/	Pass
3	QPSK	1711.5	15	0	2.768	/	Pass
		1745	15	0	2.751	/	Pass
		1778.5	15	0	2.751	/	Pass
	16QAM	1711.5	15	0	2.759	/	Pass
		1745	15	0	2.771	/	Pass
		1778.5	15	0	2.759	/	Pass
5	QPSK	1712.5	25	0	4.568	/	Pass
		1745	25	0	4.554	/	Pass
		1777.5	25	0	4.568	/	Pass
	16QAM	1712.5	25	0	4.562	/	Pass
		1745	25	0	4.585	/	Pass
		1777.5	25	0	4.587	/	Pass
10	QPSK	1715	50	0	9.103	/	Pass
		1745	50	0	9.067	/	Pass
		1775	50	0	9.074	/	Pass
	16QAM	1715	50	0	9.100	/	Pass
		1745	50	0	9.095	/	Pass
		1775	50	0	9.084	/	Pass
15	QPSK	1717.5	75	0	13.630	/	Pass
		1745	75	0	13.574	/	Pass
		1772.5	75	0	13.584	/	Pass
	16QAM	1717.5	75	0	13.665	/	Pass
		1745	75	0	13.612	/	Pass
		1772.5	75	0	13.580	/	Pass
20	QPSK	1720	100	0	18.237	/	Pass
		1745	100	0	18.178	/	Pass
		1770	100	0	18.113	/	Pass
	16QAM	1720	100	0	18.217	/	Pass
		1745	100	0	18.157	/	Pass
		1770	100	0	18.100	/	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	1.270	/	Pass
		1745	6	0	1.274	/	Pass
		1779.3	6	0	1.283	/	Pass
	16QAM	1710.7	6	0	1.264	/	Pass
		1745	6	0	1.268	/	Pass
		1779.3	6	0	1.283	/	Pass

Total or partial reproduction of this document without permission of the Laboratory is not allowed.

BTF Testing Lab (Shenzhen) Co., Ltd.
101/201/301, Building 1, Block 2, Tantou Industrial Park,Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Email: info@btf-lab.com Tel: +86-755-23146130 http://www.btf-lab.com

3	QPSK	1711.5	15	0	3.085	/	Pass
		1745	15	0	3.104	/	Pass
		1778.5	15	0	3.084	/	Pass
	16QAM	1711.5	15	0	3.104	/	Pass
		1745	15	0	3.104	/	Pass
		1778.5	15	0	3.082	/	Pass
5	QPSK	1712.5	25	0	5.044	/	Pass
		1745	25	0	5.072	/	Pass
		1777.5	25	0	5.064	/	Pass
	16QAM	1712.5	25	0	5.029	/	Pass
		1745	25	0	5.066	/	Pass
		1777.5	25	0	5.071	/	Pass
10	QPSK	1715	50	0	10.045	/	Pass
		1745	50	0	10.041	/	Pass
		1775	50	0	10.115	/	Pass
	16QAM	1715	50	0	10.054	/	Pass
		1745	50	0	10.045	/	Pass
		1775	50	0	10.046	/	Pass
15	QPSK	1717.5	75	0	15.242	/	Pass
		1745	75	0	15.105	/	Pass
		1772.5	75	0	15.148	/	Pass
	16QAM	1717.5	75	0	15.102	/	Pass
		1745	75	0	15.242	/	Pass
		1772.5	75	0	15.253	/	Pass
20	QPSK	1720	100	0	20.051	/	Pass
		1745	100	0	19.994	/	Pass
		1770	100	0	19.950	/	Pass
	16QAM	1720	100	0	20.056	/	Pass
		1745	100	0	20.159	/	Pass
		1770	100	0	19.973	/	Pass

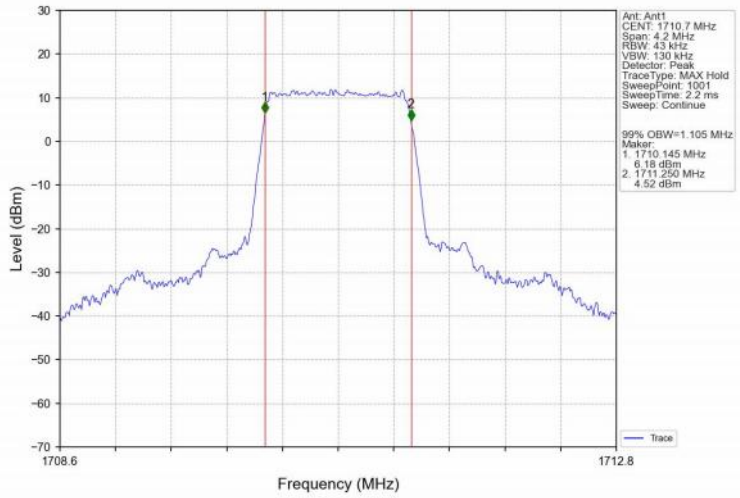
Total or partial reproduction of this document without permission of the Laboratory is not allowed.

BTF Testing Lab (Shenzhen) Co., Ltd.
101/201/301, Building 1, Block 2, Tantou Industrial Park,Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Email: info@btf-lab.com Tel: +86-755-23146130 http://www.btf-lab.com

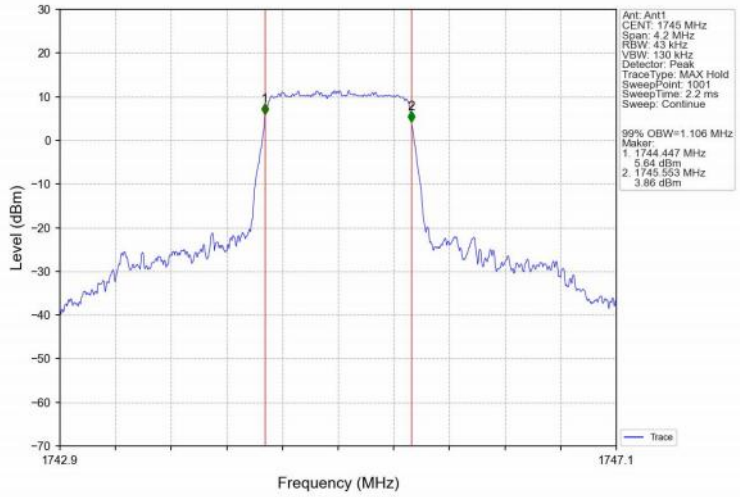
4.2 Test Graph

4.2.1 Band66_OBW

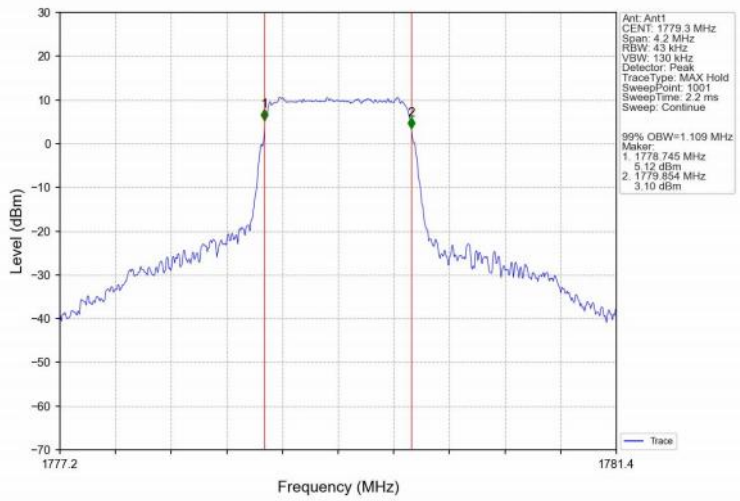
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



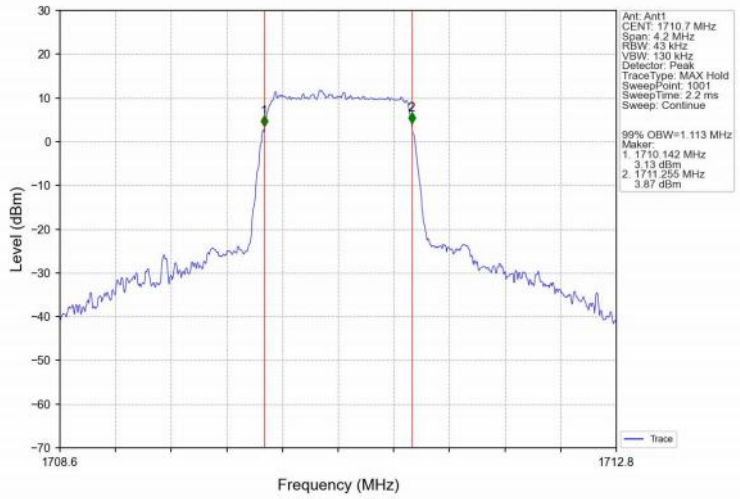
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



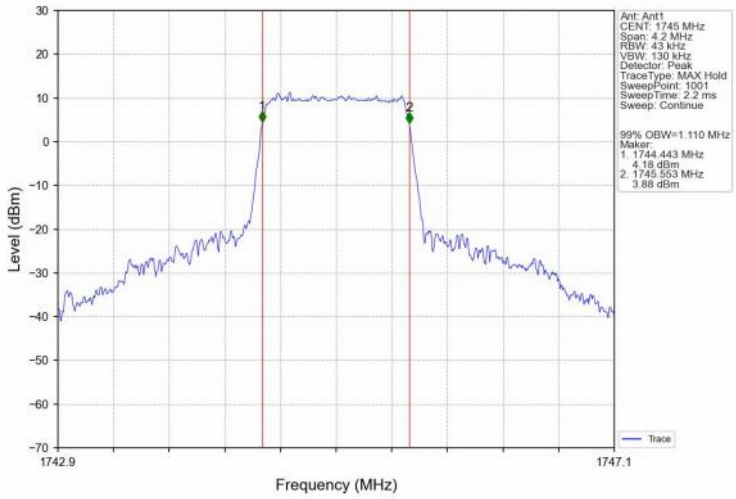
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



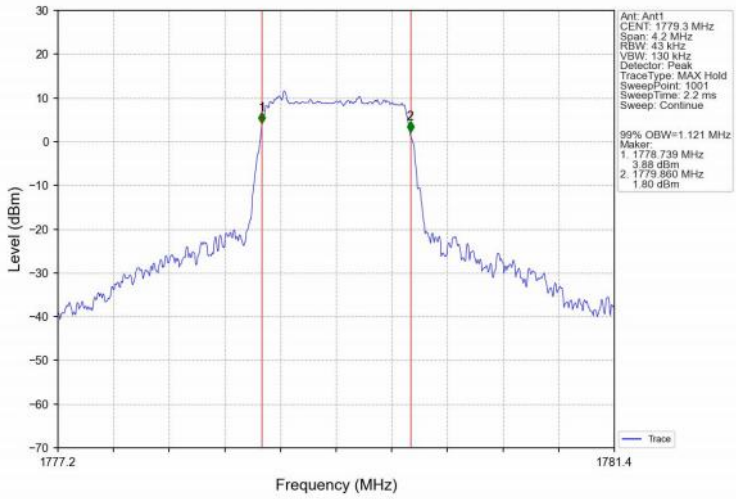
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



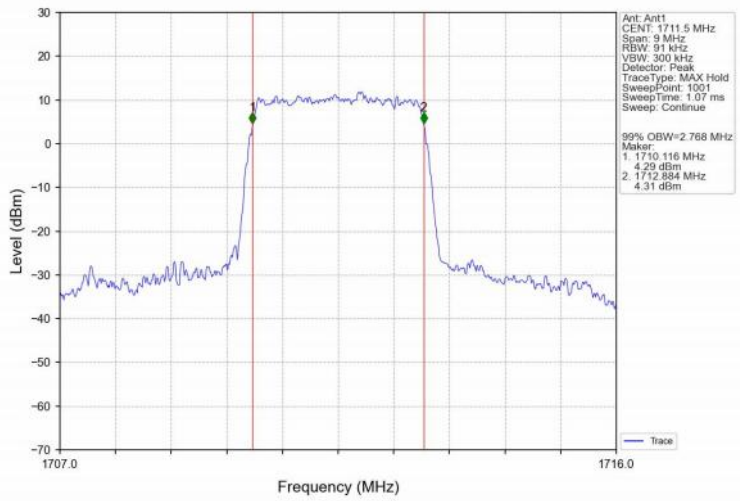
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



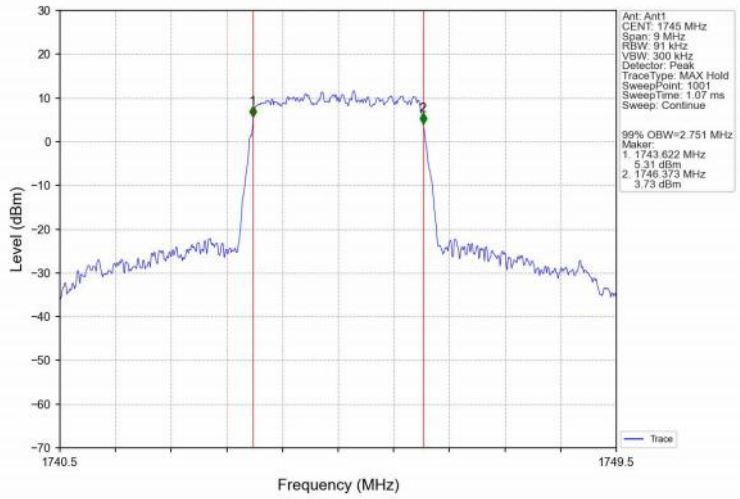
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



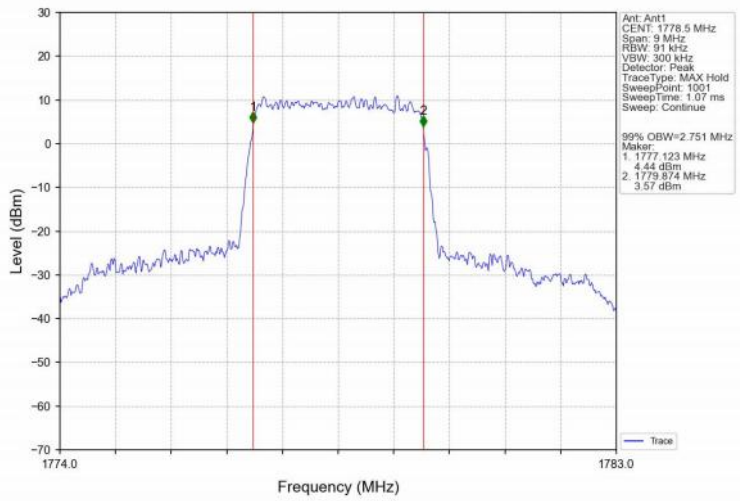
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



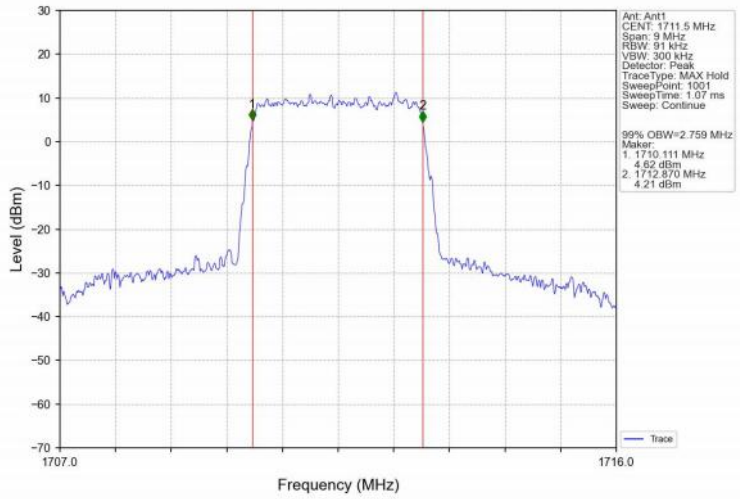
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



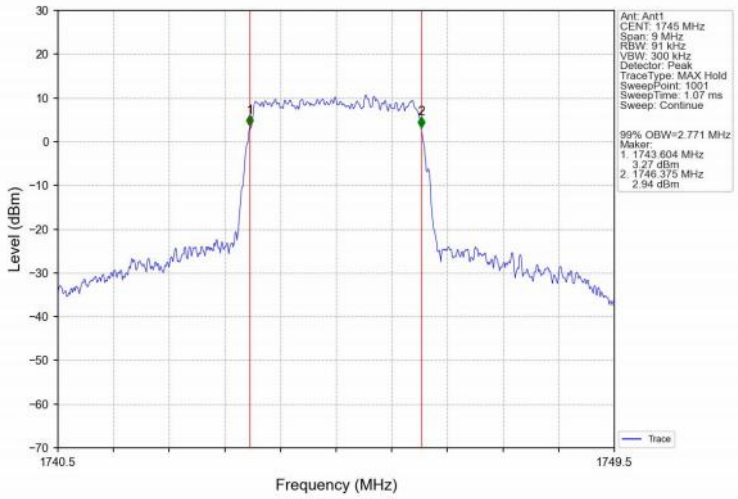
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



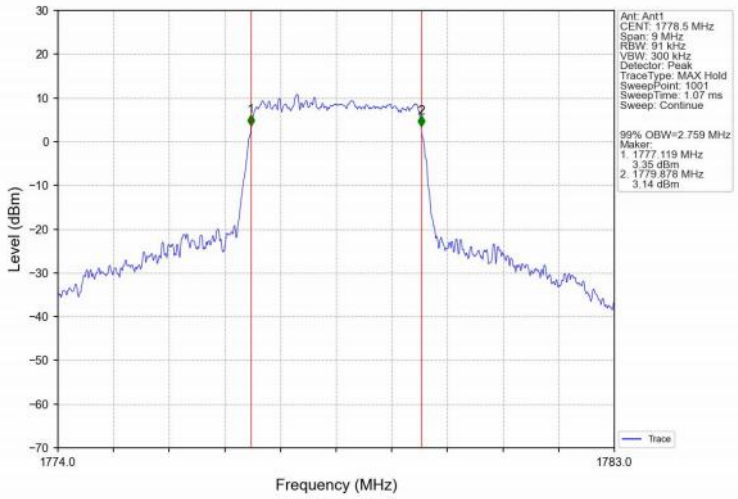
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



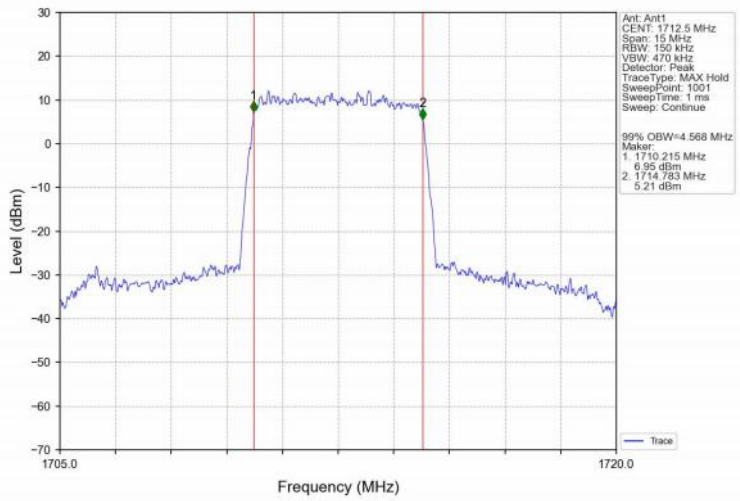
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



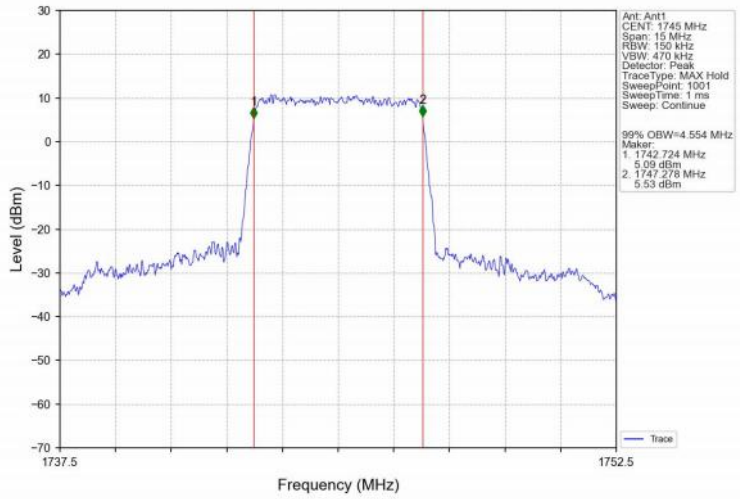
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



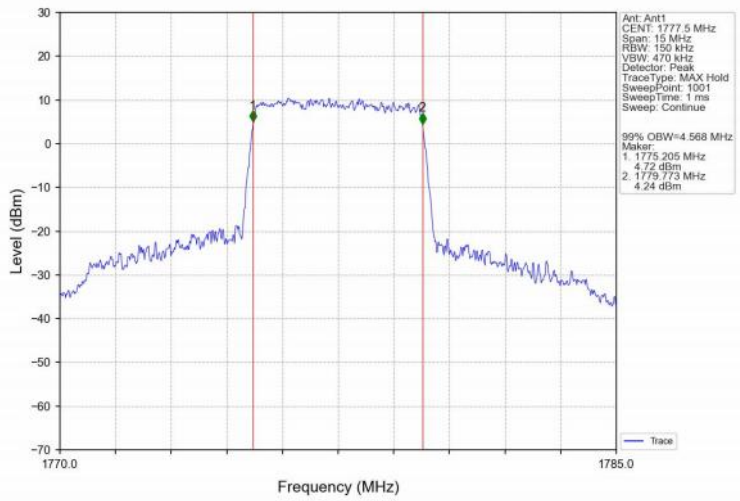
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



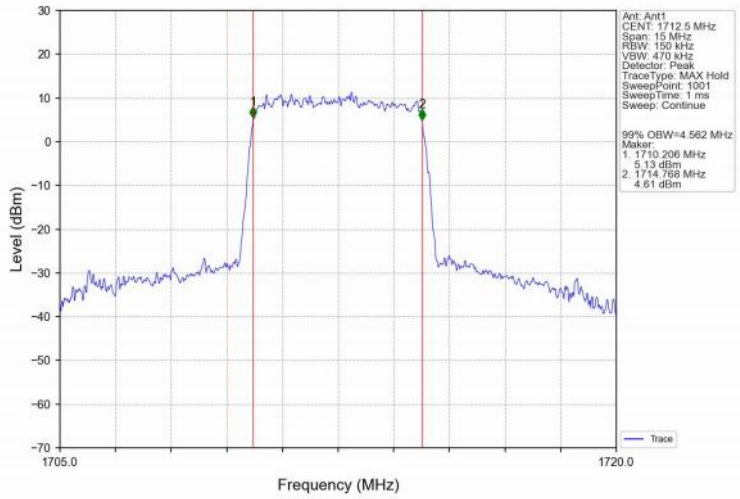
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



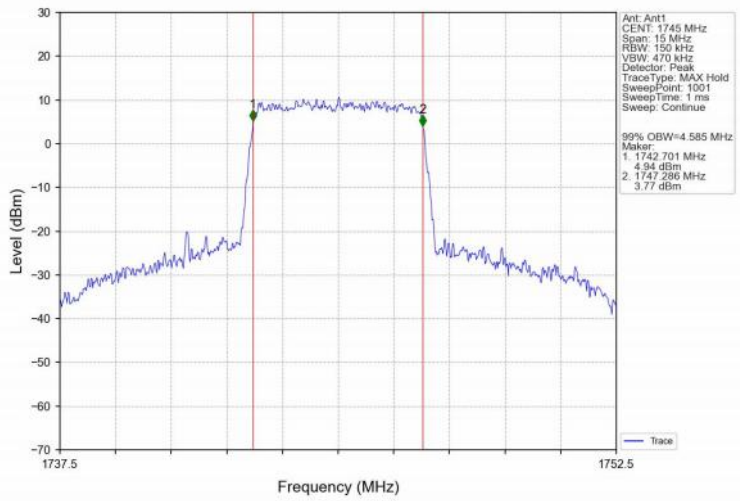
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



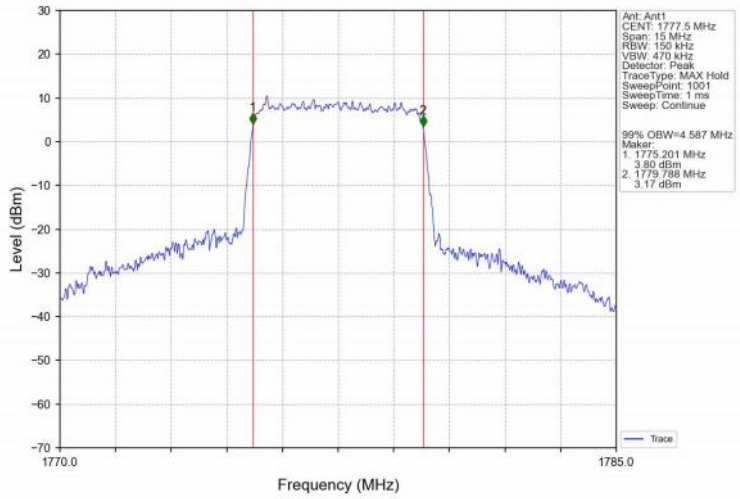
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



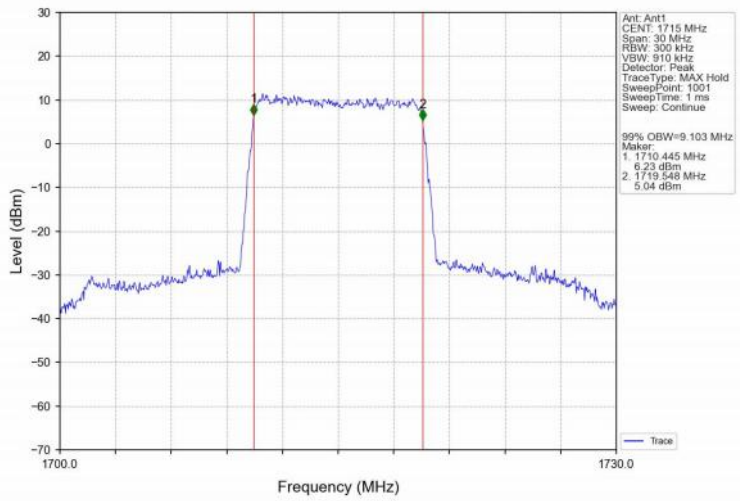
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



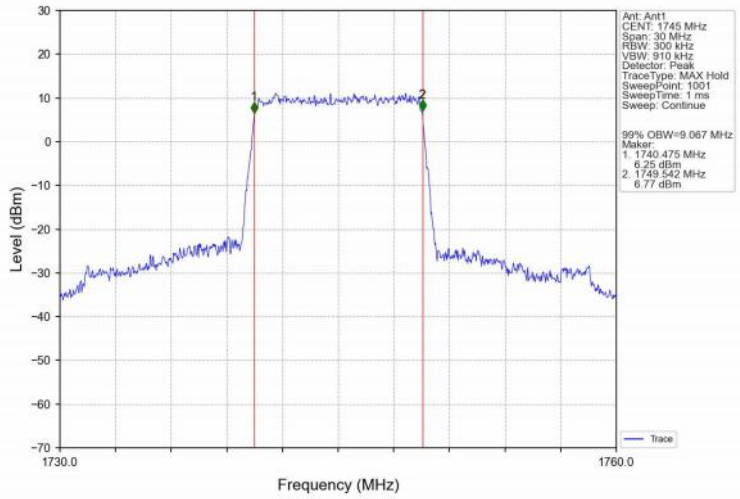
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



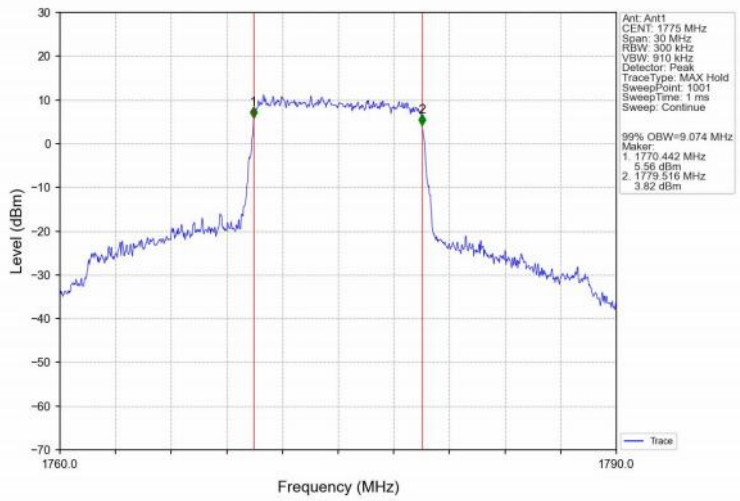
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



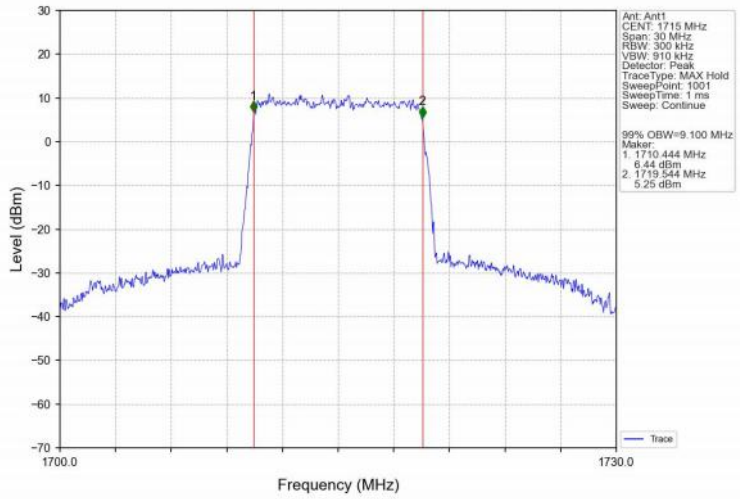
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



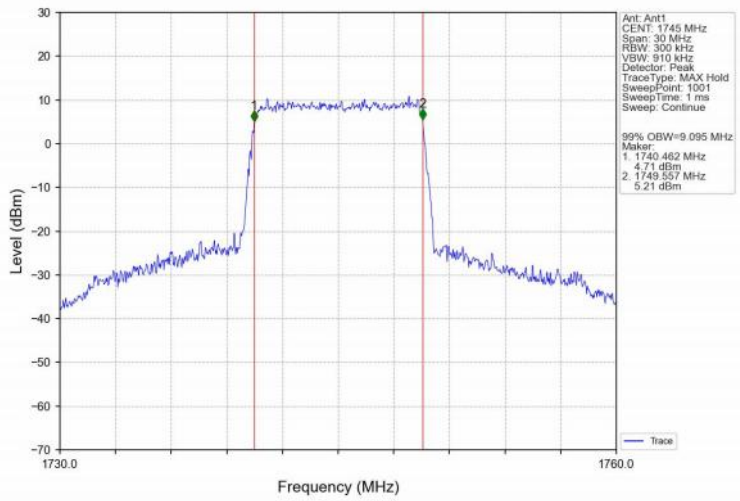
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



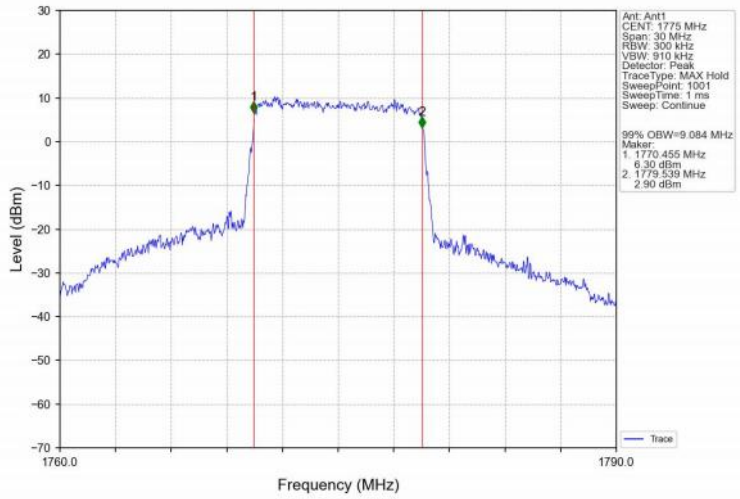
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



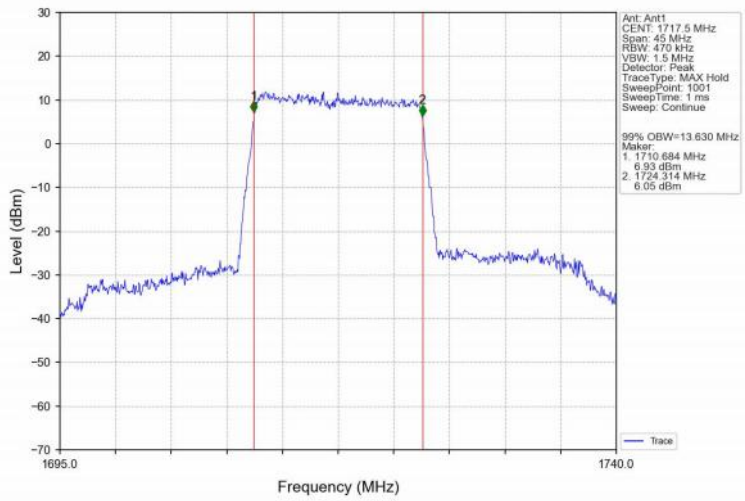
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



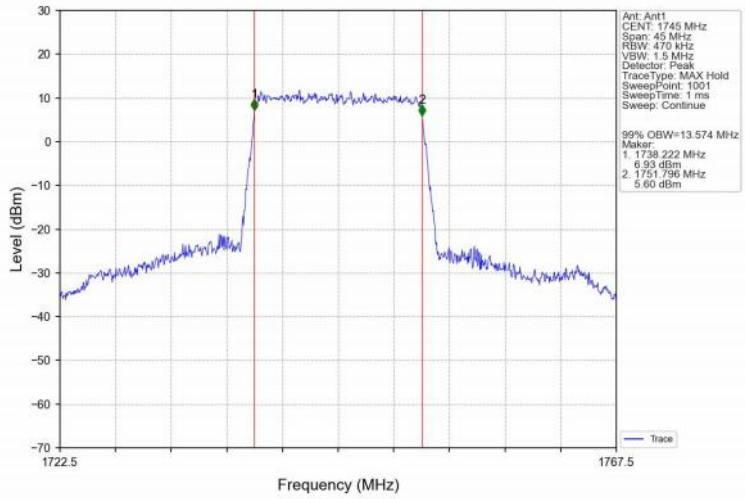
Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



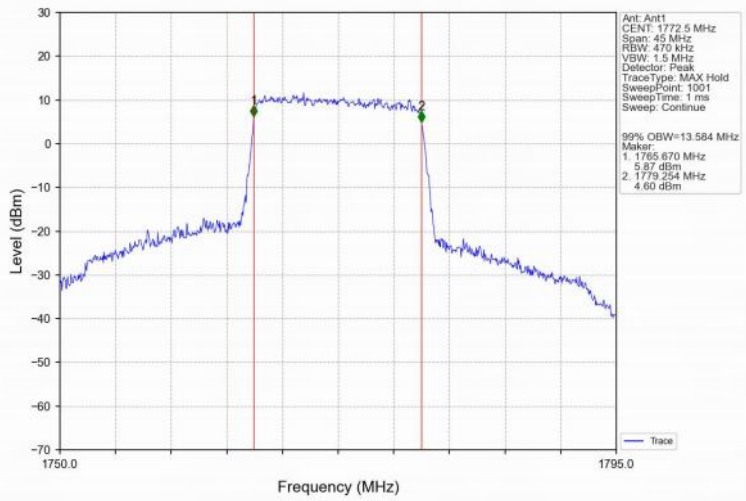
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



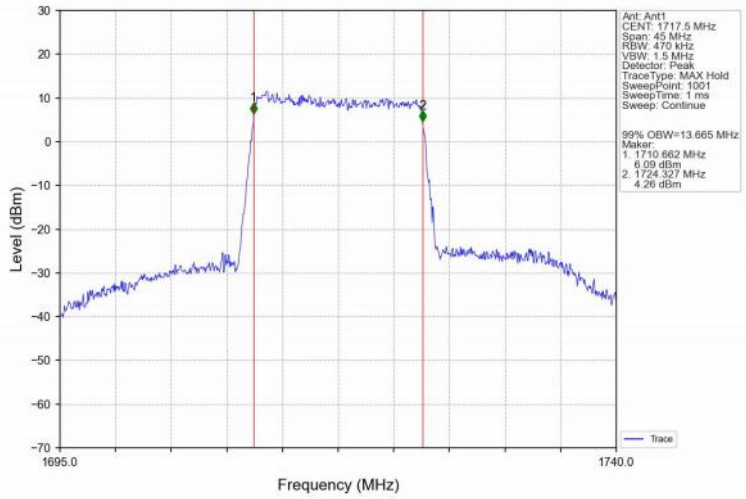
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



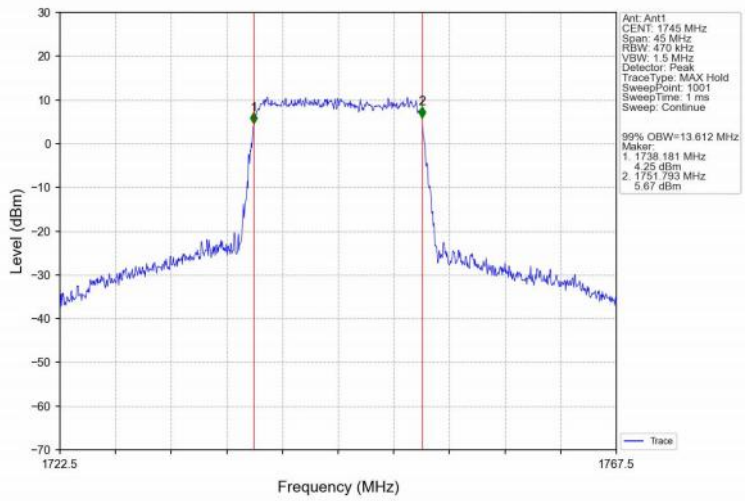
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



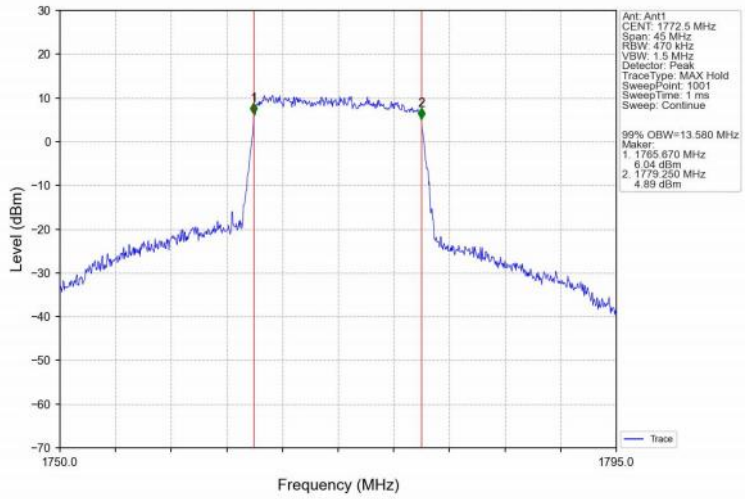
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



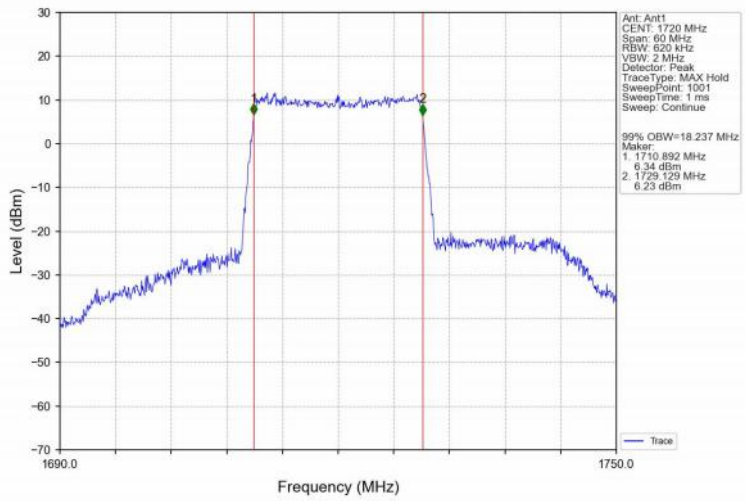
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



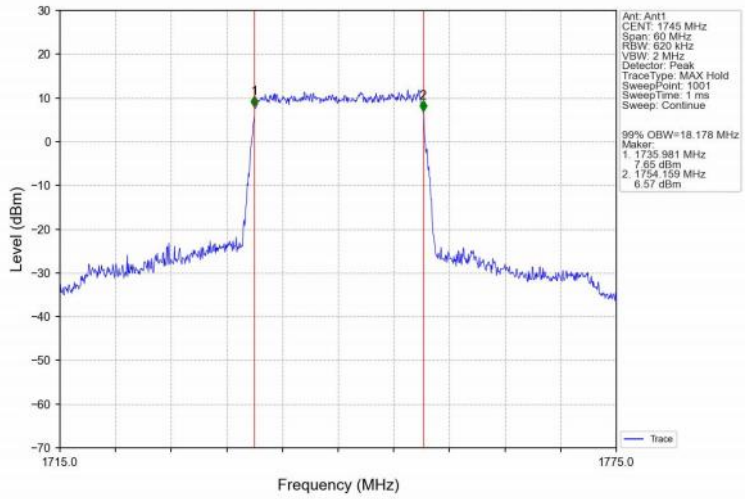
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



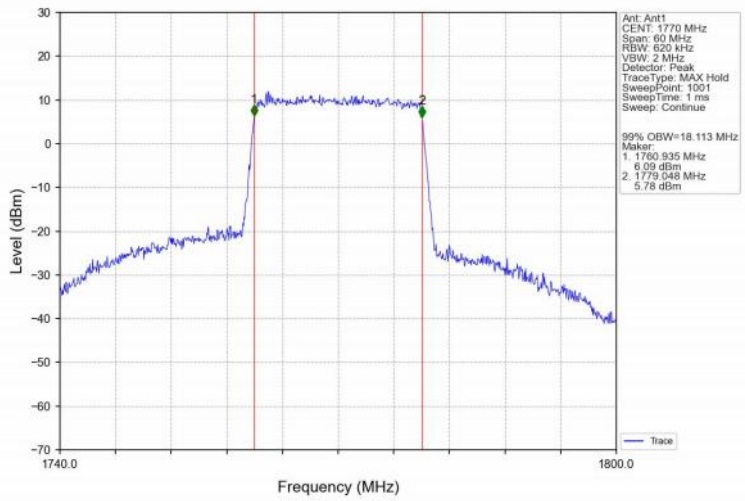
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



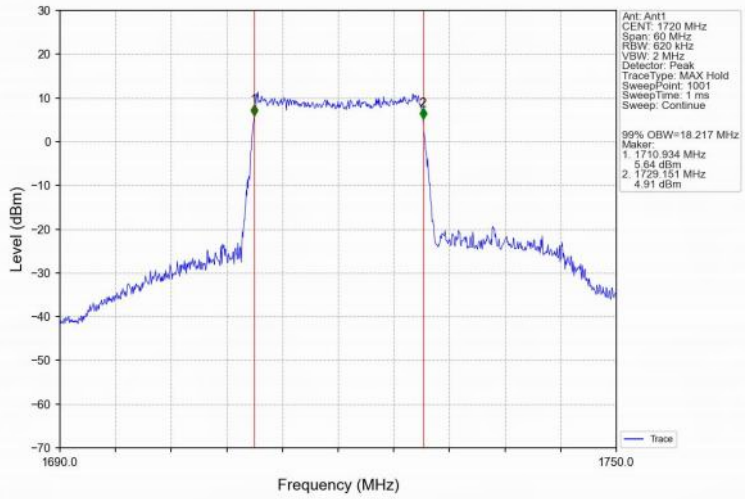
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



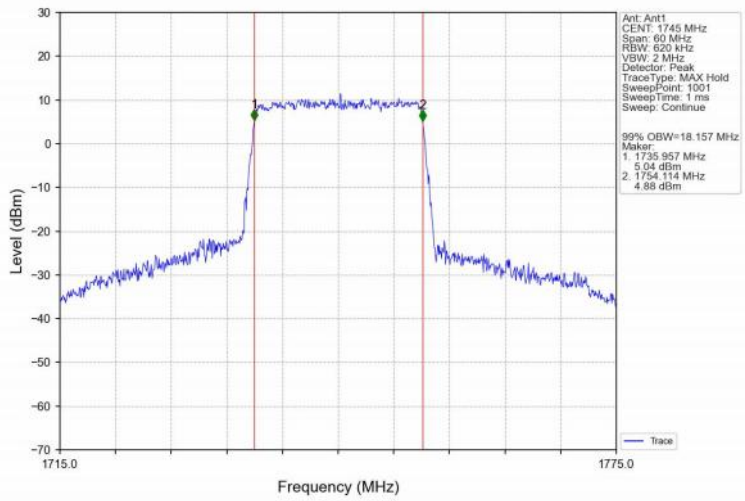
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



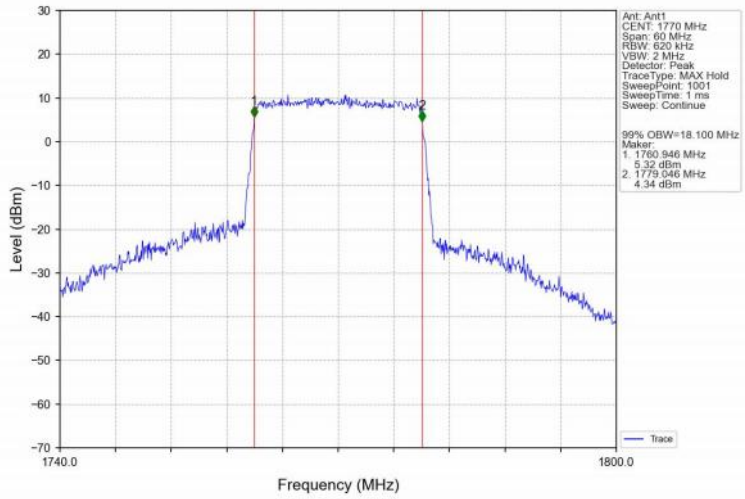
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV

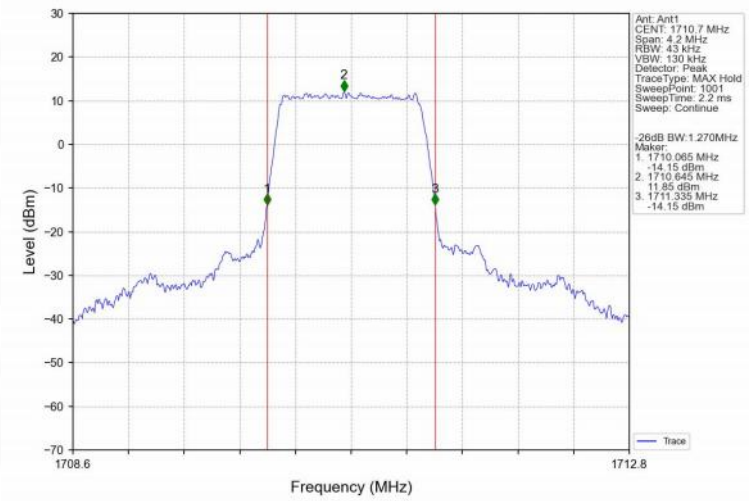


Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV

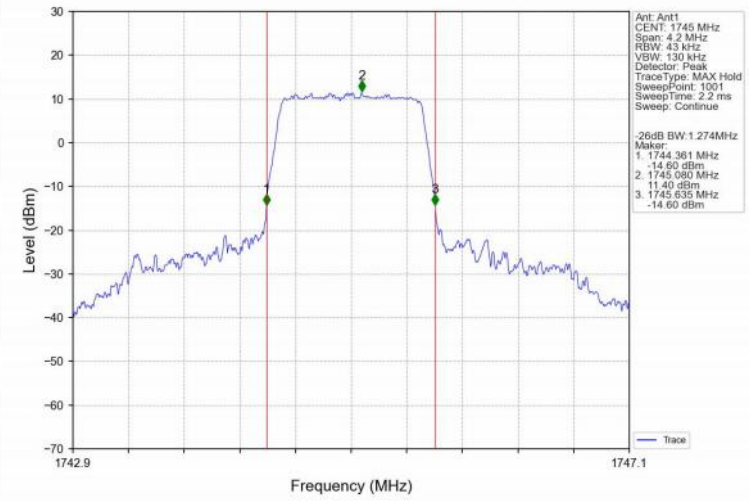


4.2.2 Band66_XDB

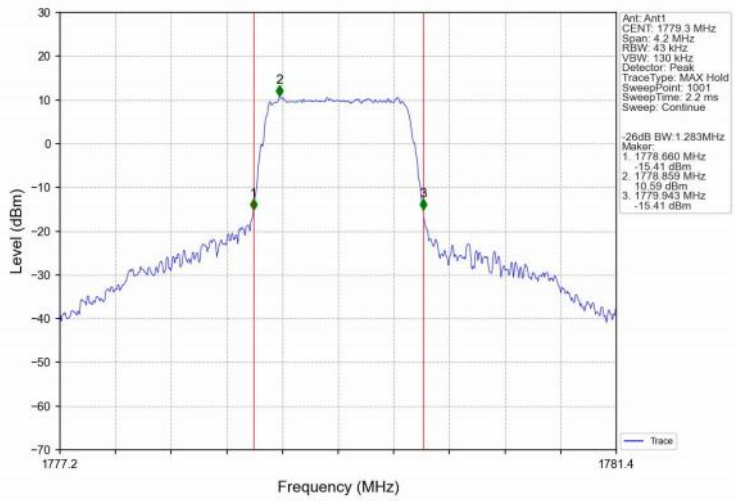
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



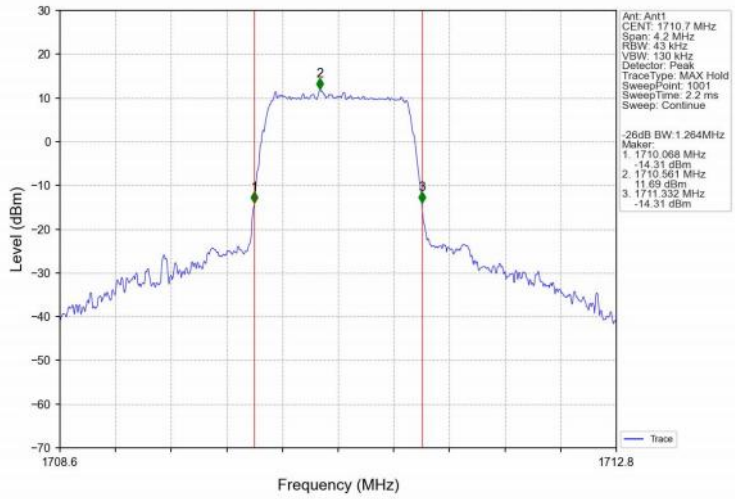
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



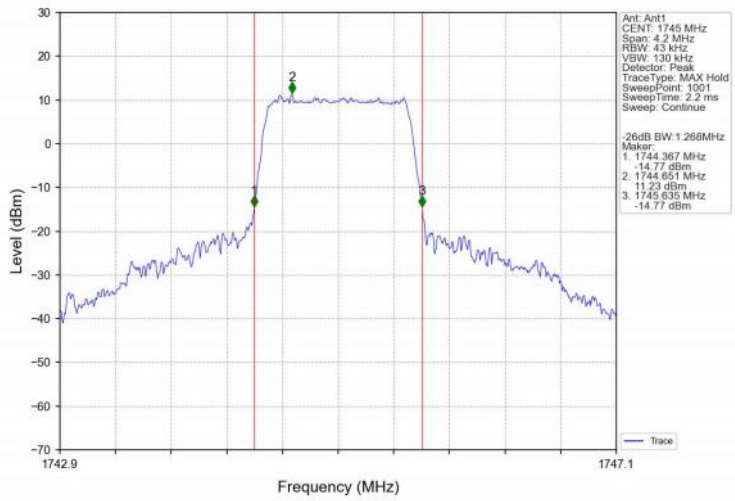
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



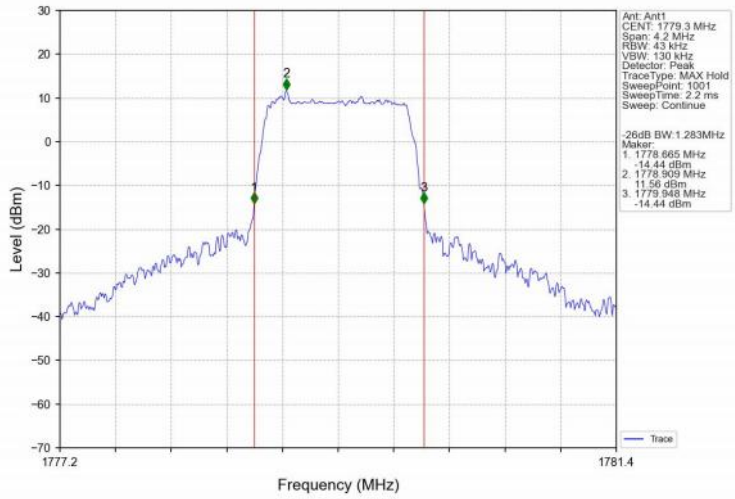
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



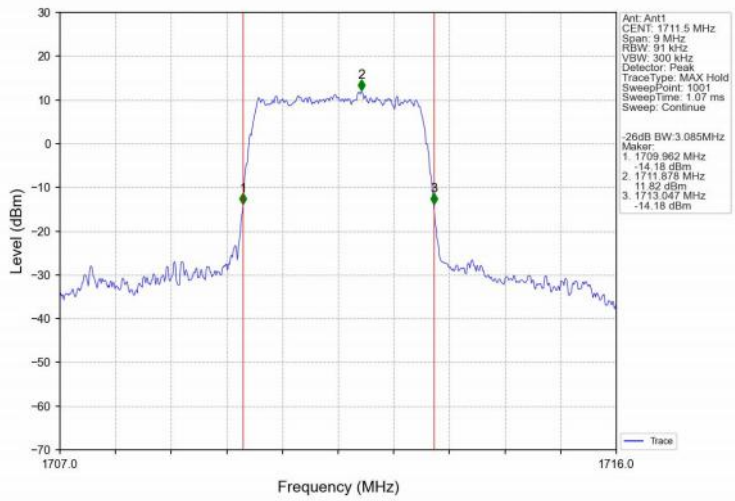
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



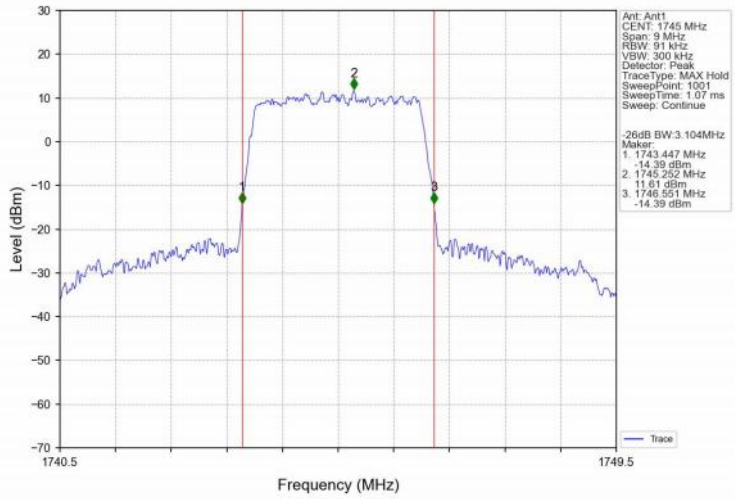
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



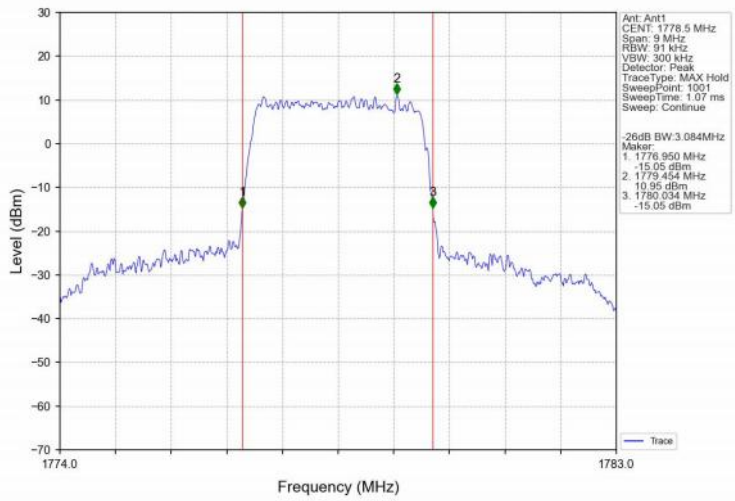
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



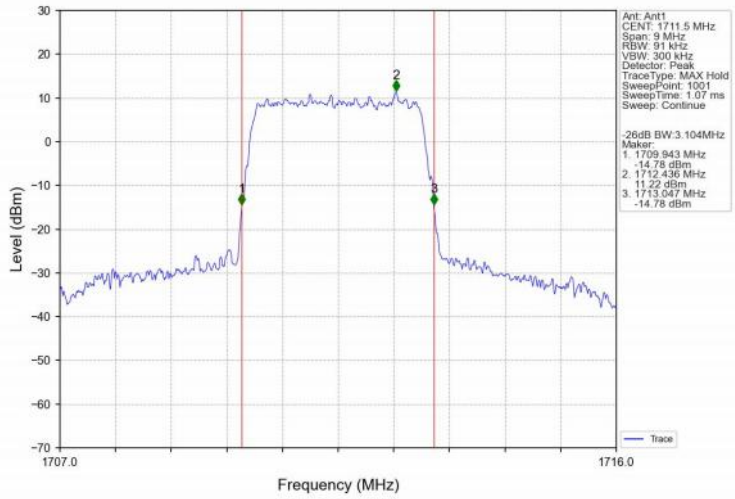
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



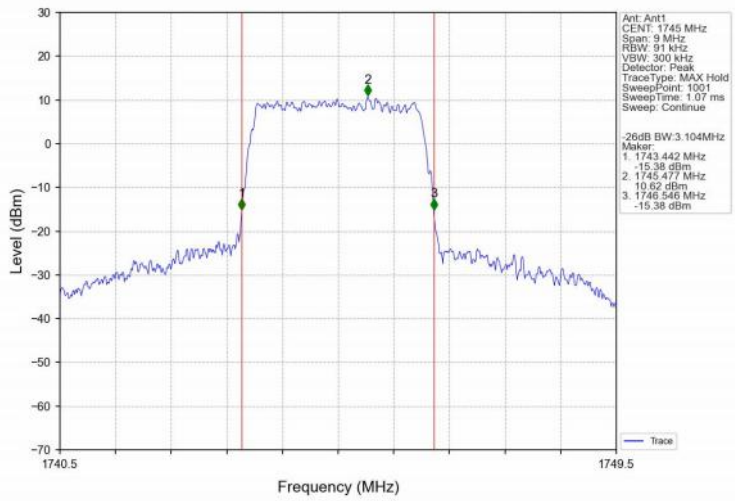
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



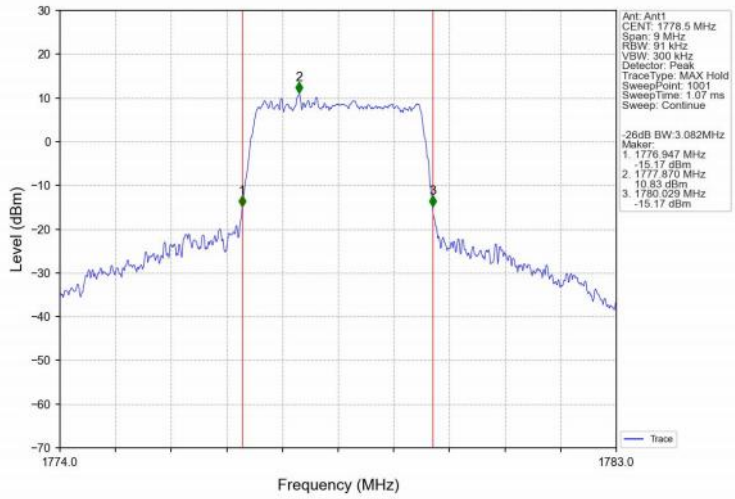
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



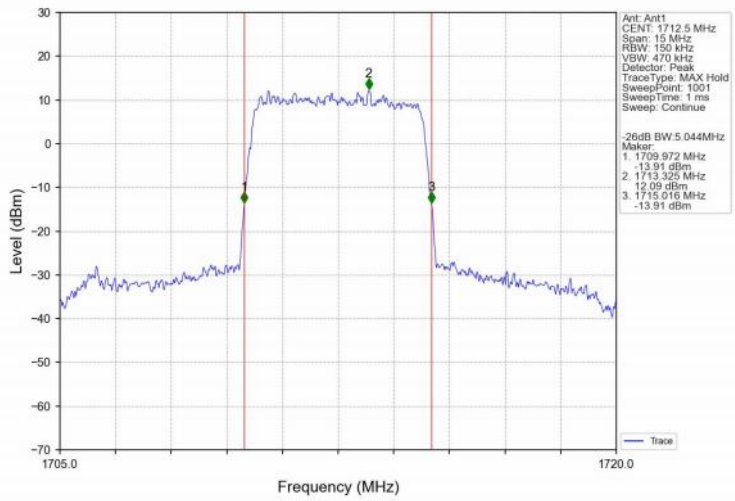
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



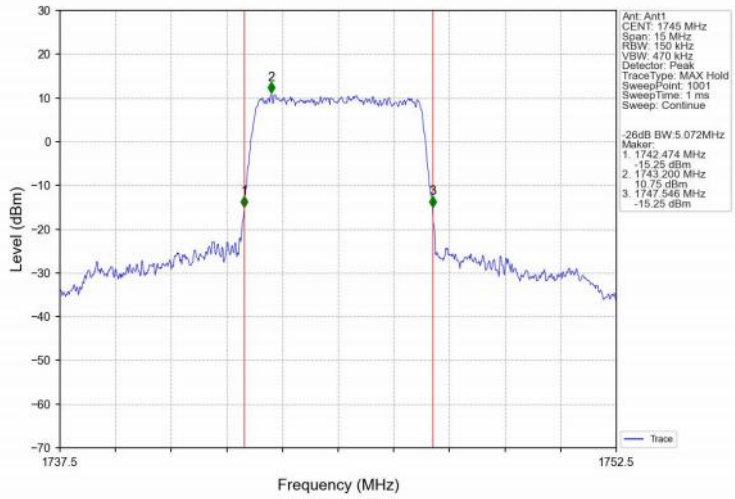
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



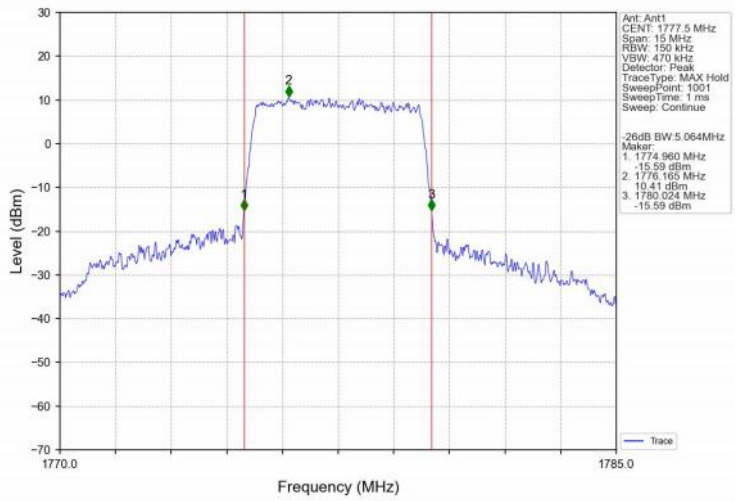
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



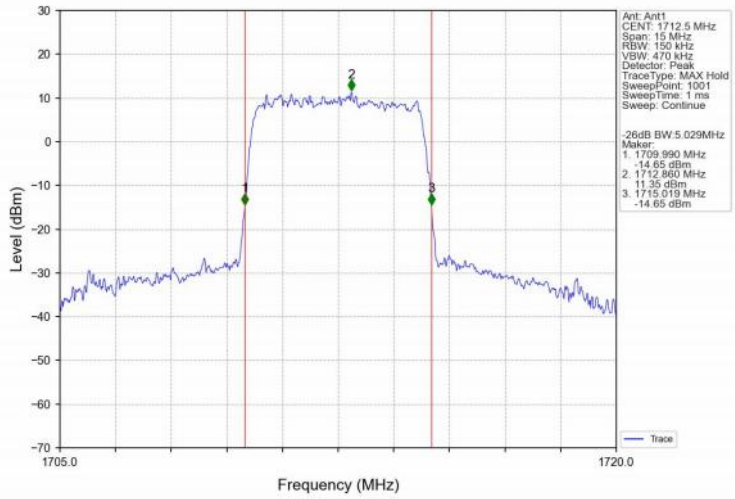
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



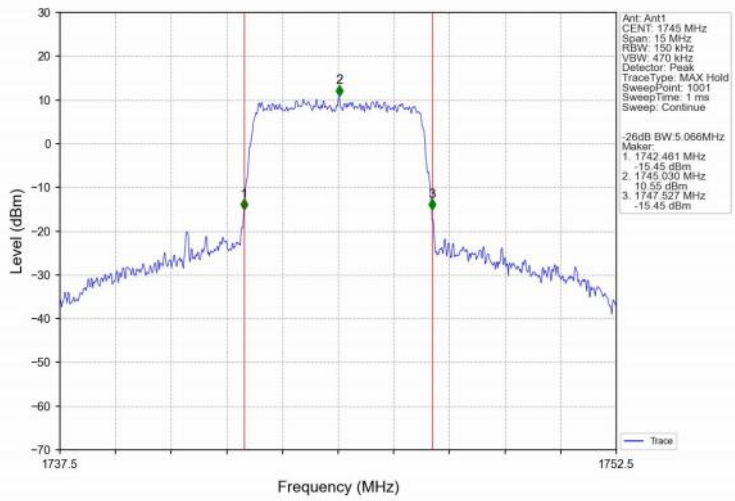
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



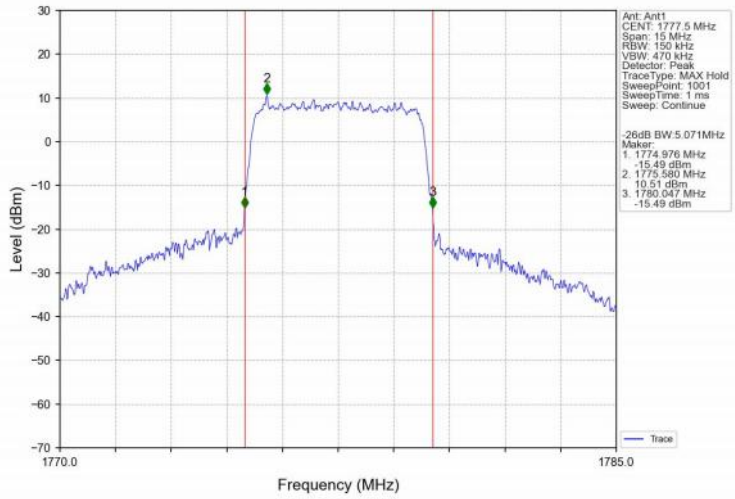
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



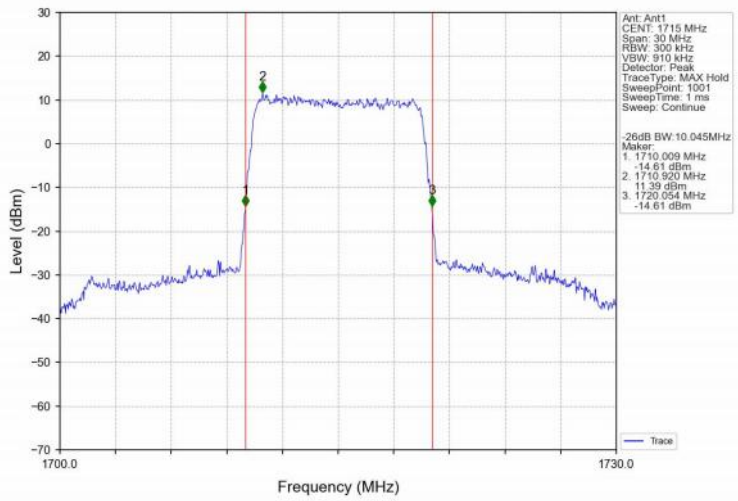
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



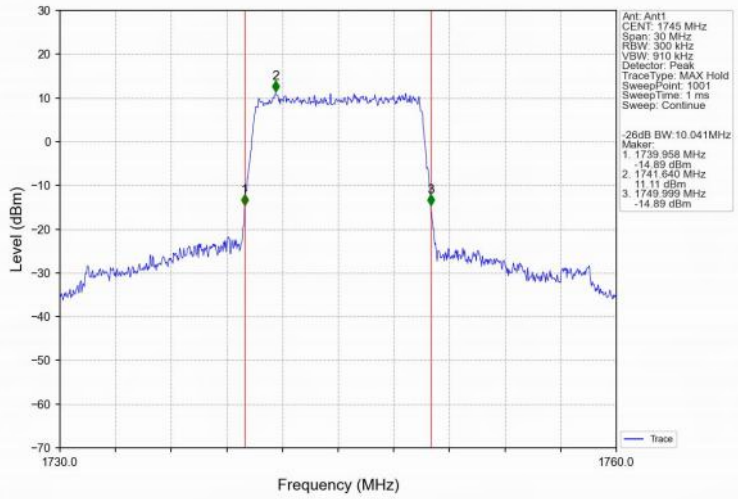
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



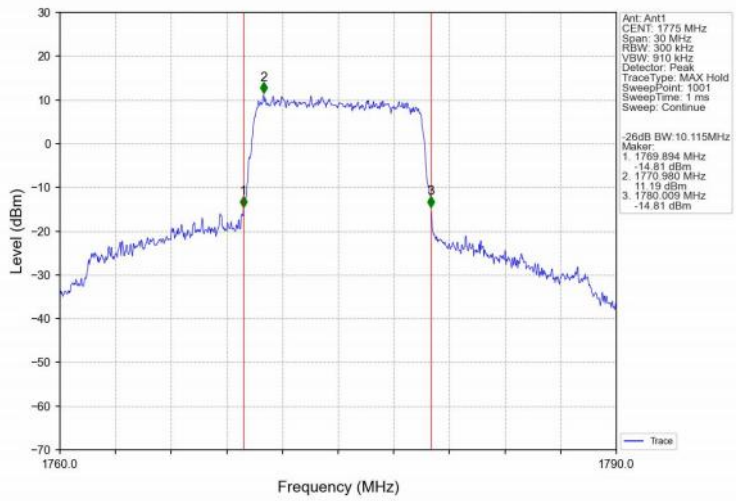
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



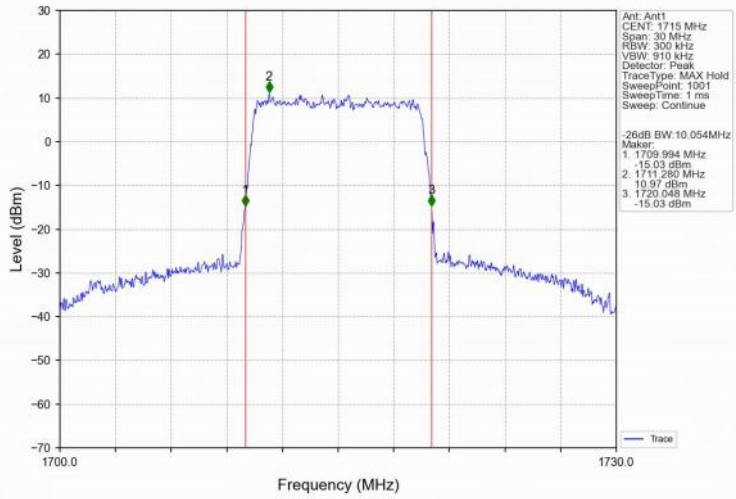
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



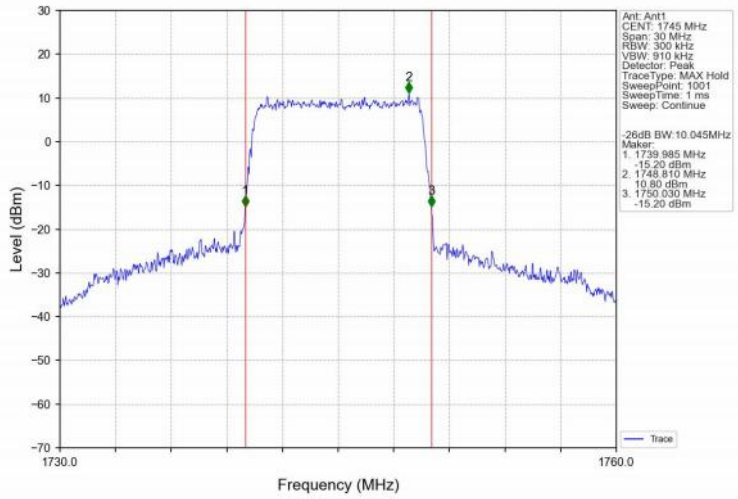
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



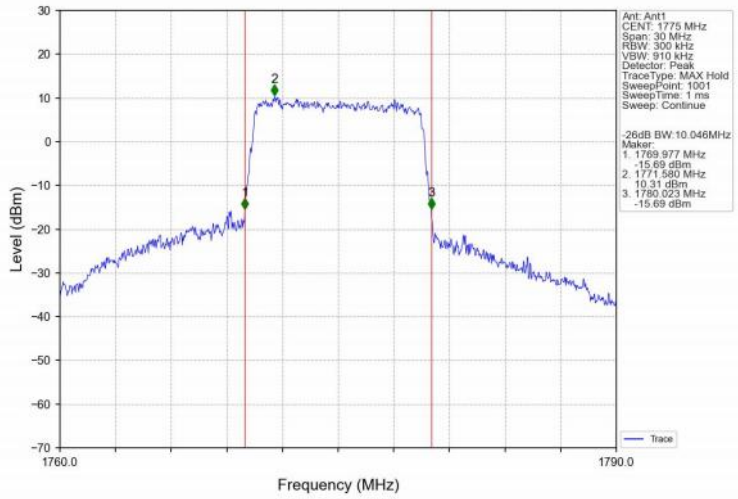
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



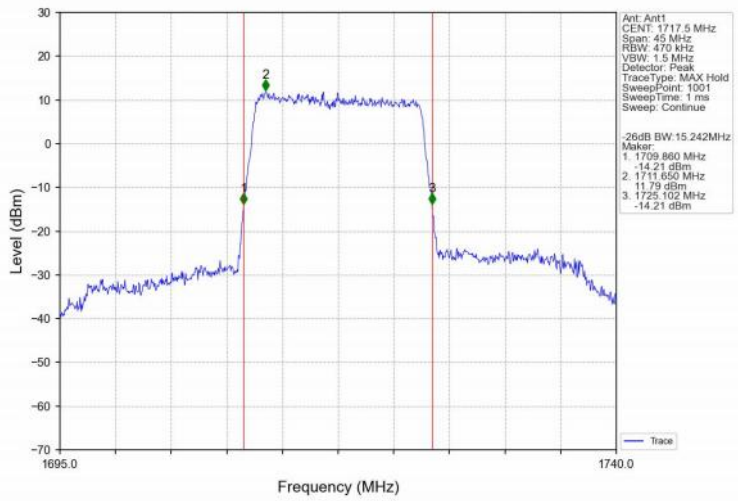
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



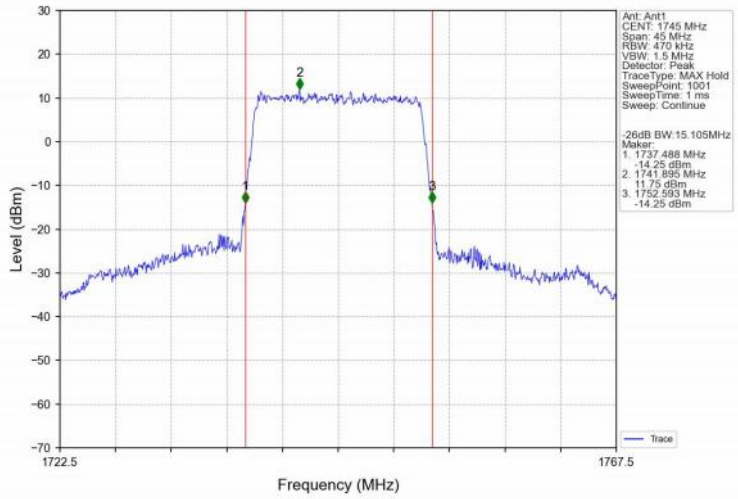
Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



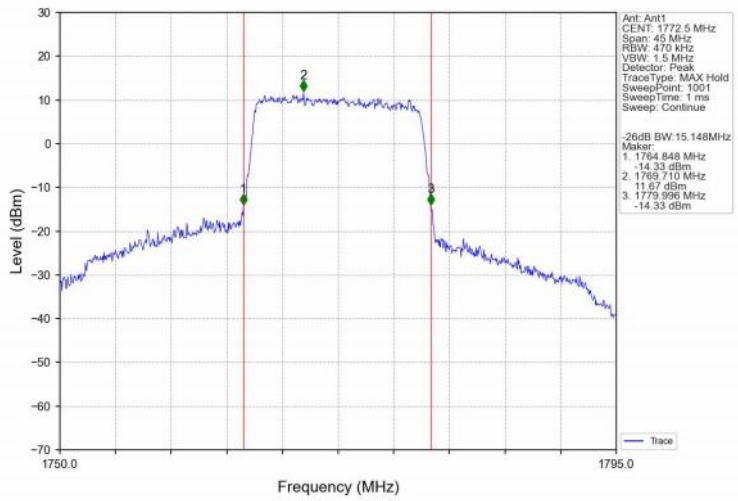
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



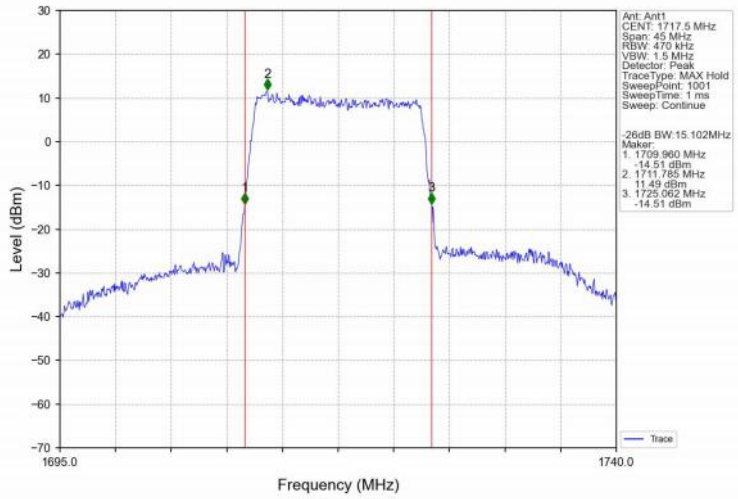
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



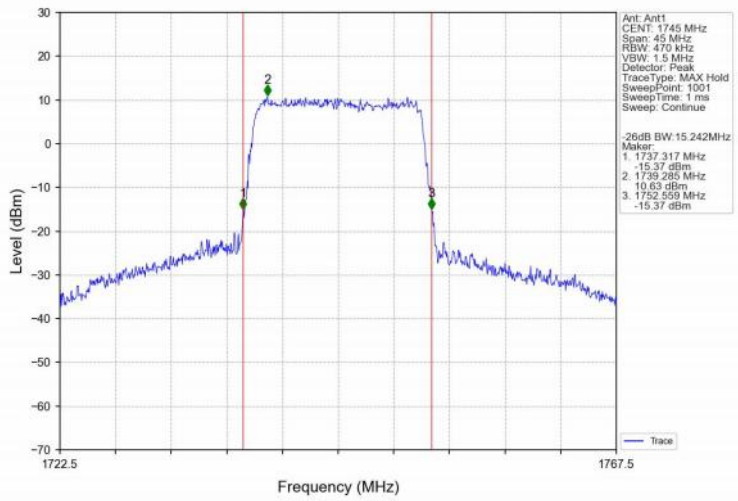
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



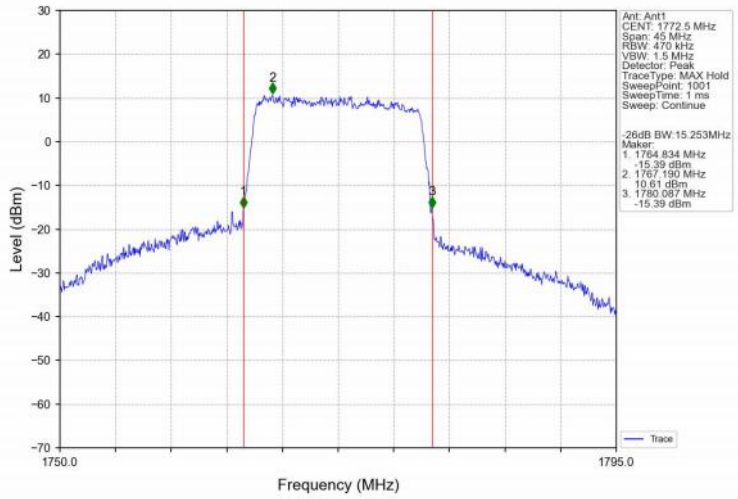
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



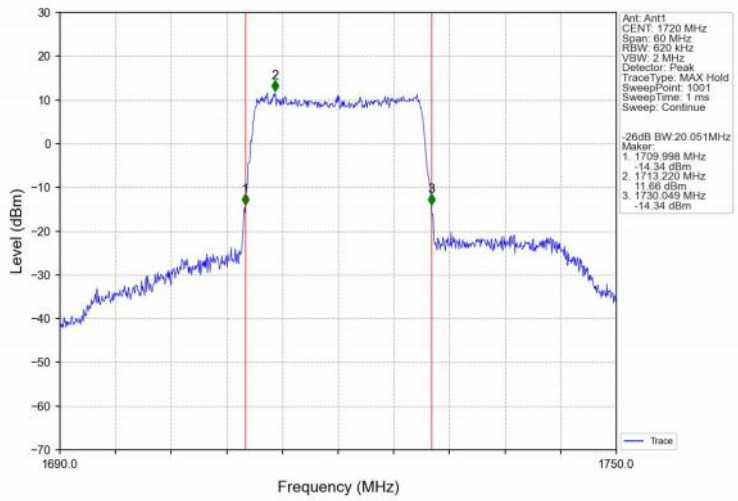
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



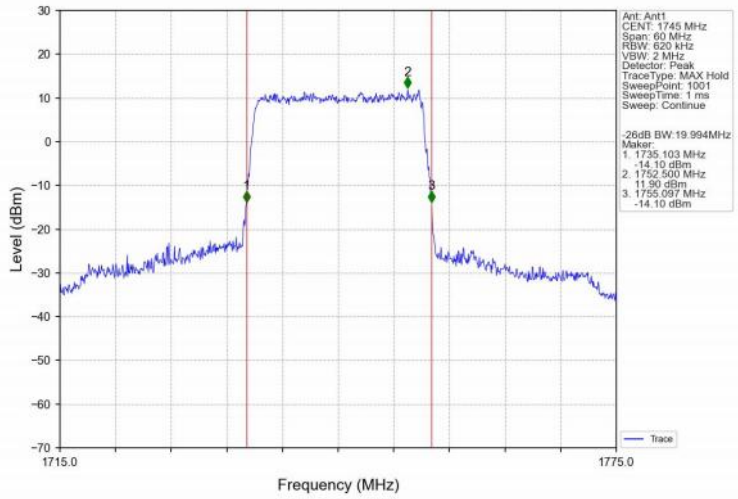
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



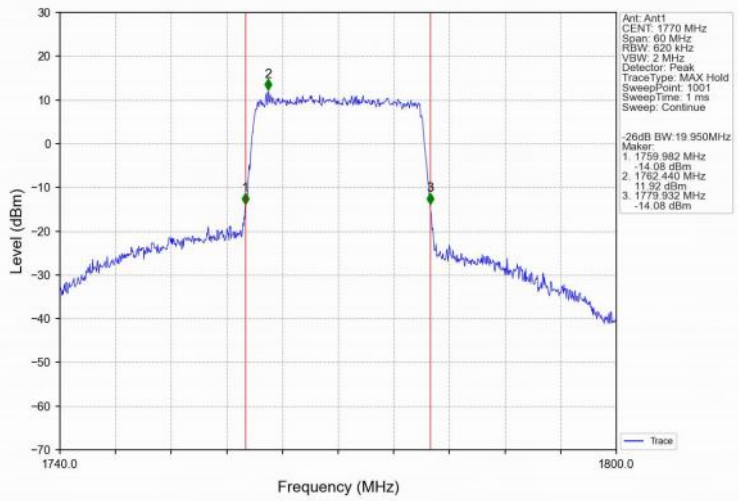
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



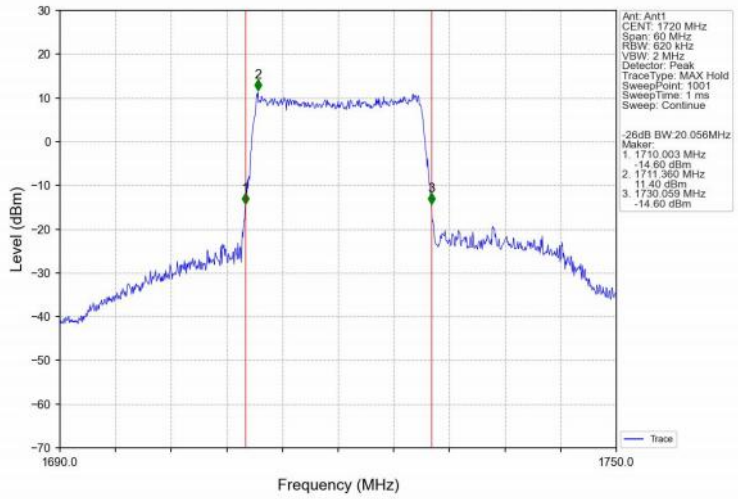
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



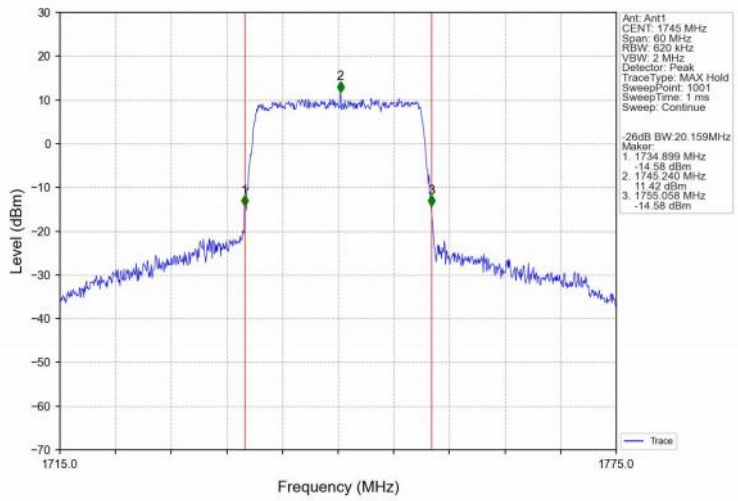
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



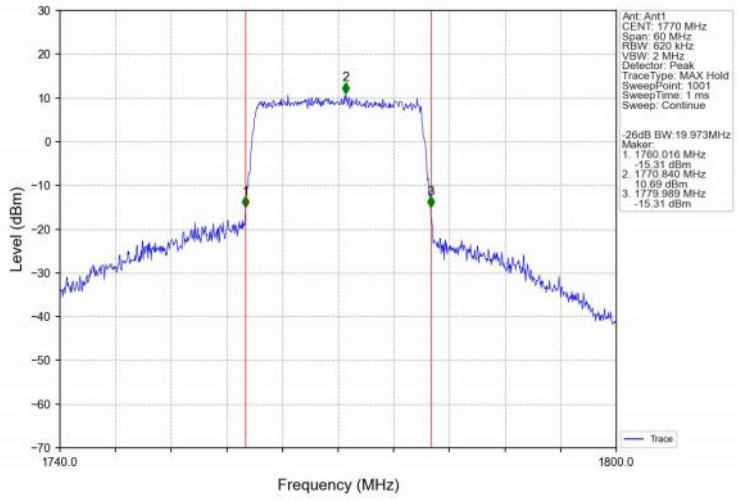
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



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	5.45	<=13	Pass
	1745	6	0	4.83	<=13	Pass
	1779.3	6	0	4.72	<=13	Pass
16QAM	1710.7	6	0	6.20	<=13	Pass
	1745	6	0	5.60	<=13	Pass
	1779.3	6	0	5.43	<=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	5.62	<=13	Pass
	1745	15	0	4.91	<=13	Pass
	1778.5	15	0	4.78	<=13	Pass
16QAM	1711.5	15	0	6.41	<=13	Pass
	1745	15	0	5.67	<=13	Pass
	1778.5	15	0	5.48	<=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	5.66	<=13	Pass
	1745	25	0	5.15	<=13	Pass
	1777.5	25	0	4.90	<=13	Pass
16QAM	1712.5	25	0	6.38	<=13	Pass
	1745	25	0	5.88	<=13	Pass
	1777.5	25	0	5.63	<=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	5.68	<=13	Pass
	1745	50	0	5.23	<=13	Pass
	1775	50	0	4.77	<=13	Pass
16QAM	1715	50	0	6.42	<=13	Pass
	1745	50	0	6.00	<=13	Pass
	1775	50	0	5.46	<=13	Pass

5.1.5 B66_15MHz

Band: 66 / Bandwidth: 15MHz / NTNV				
Modulation	Frequency	RB Allocation	Peak-Average Ratio (dB)	Verdict

	(MHz)	Size	Offset	Result	Limit	
QPSK	1717.5	75	0	4.85	<=13	Pass
	1745	75	0	4.86	<=13	Pass
	1772.5	75	0	4.86	<=13	Pass
16QAM	1717.5	75	0	6.25	<=13	Pass
	1745	75	0	6.12	<=13	Pass
	1772.5	75	0	5.97	<=13	Pass

5.1.6 B66_20MHz

Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.63	<=13	Pass
	1745	100	0	5.66	<=13	Pass
	1770	100	0	5.62	<=13	Pass
16QAM	1720	100	0	6.79	<=13	Pass
	1745	100	0	6.73	<=13	Pass
	1770	100	0	6.59	<=13	Pass

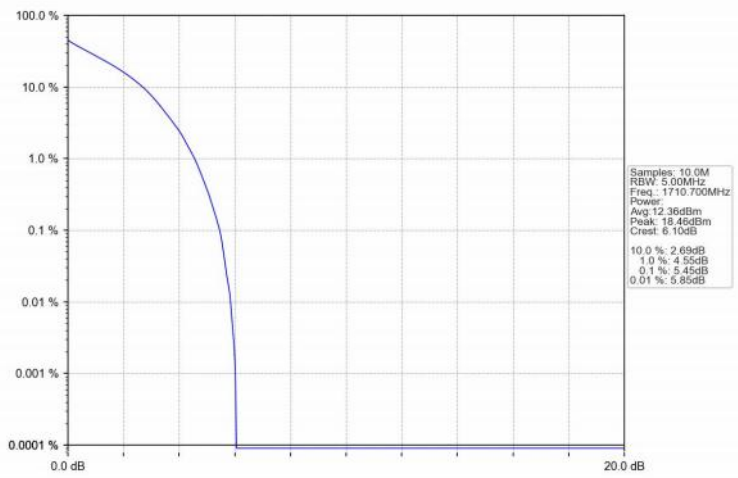
Total or partial reproduction of this document without permission of the Laboratory is not allowed.

BTF Testing Lab (Shenzhen) Co., Ltd.
101/201/301, Building 1, Block 2, Tantou Industrial Park,Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Email: info@btf-lab.com Tel: +86-755-23146130 http://www.btf-lab.com

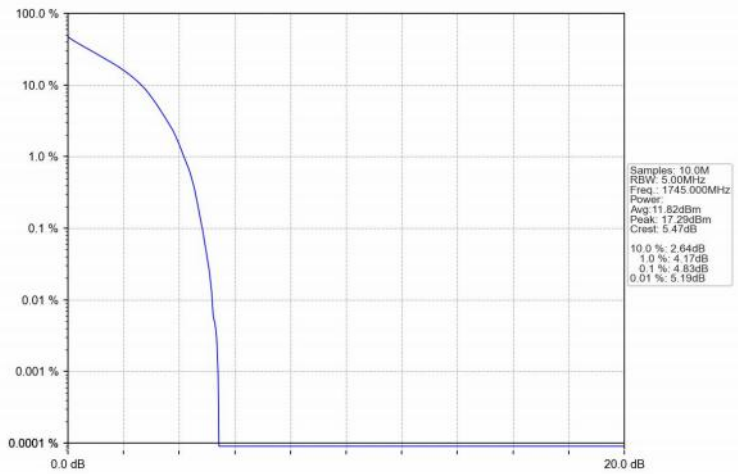
5.2 Test Graph

5.2.1 B66_1.4MHz

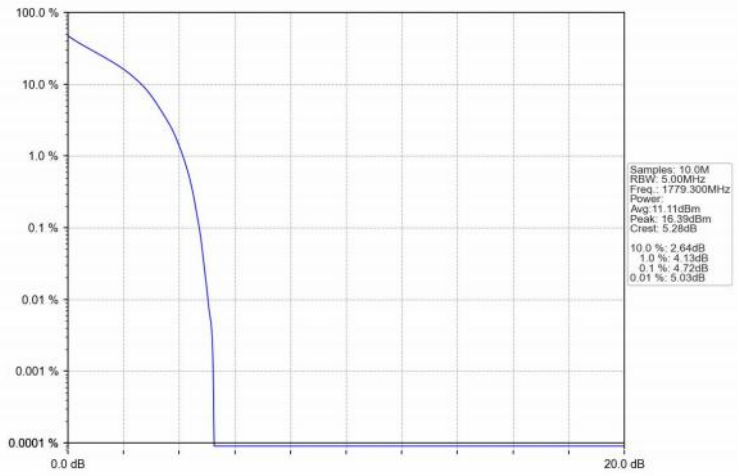
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



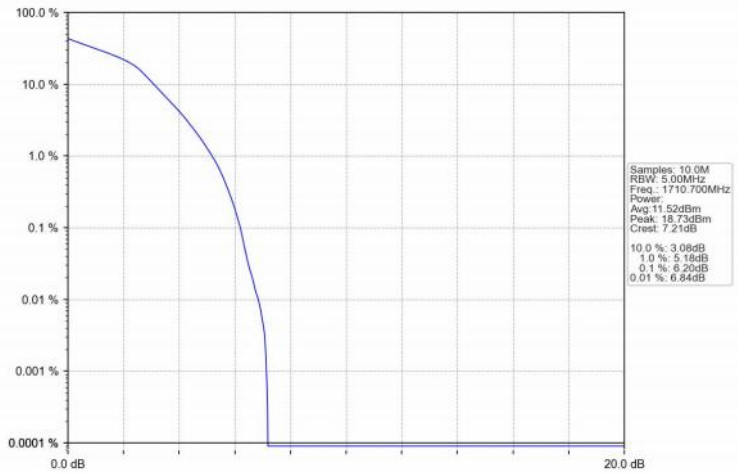
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



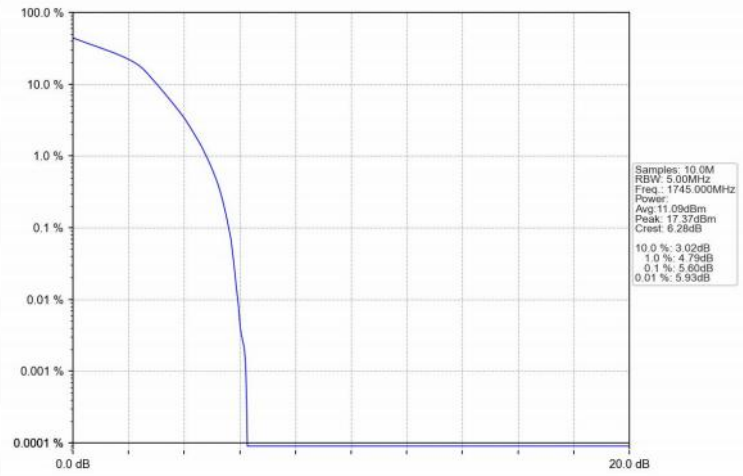
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



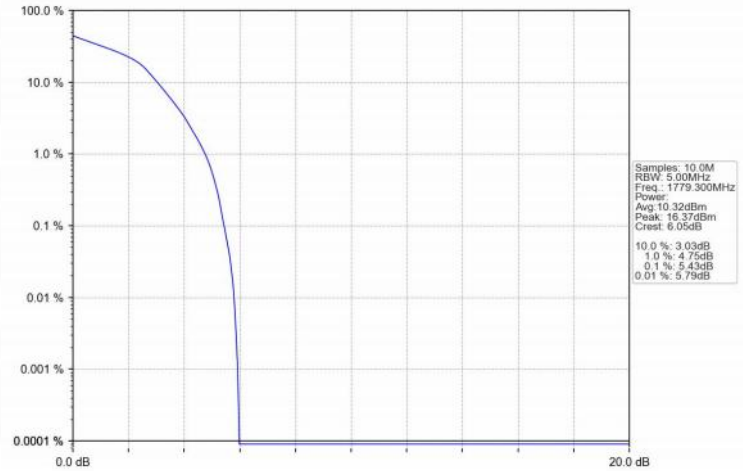
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV

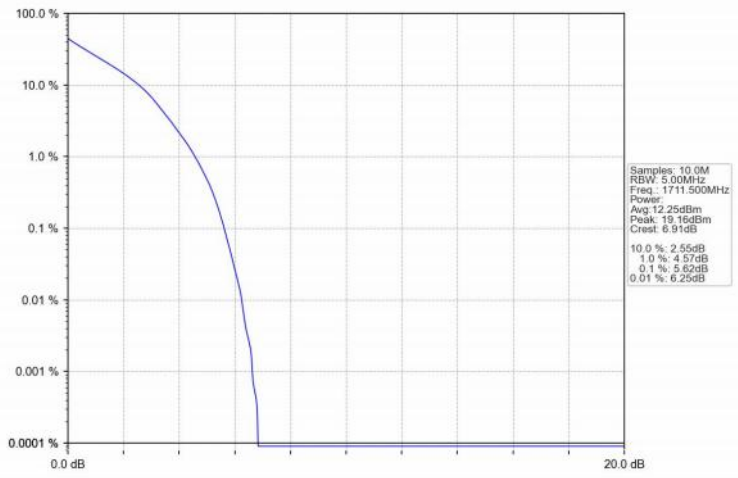


Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV

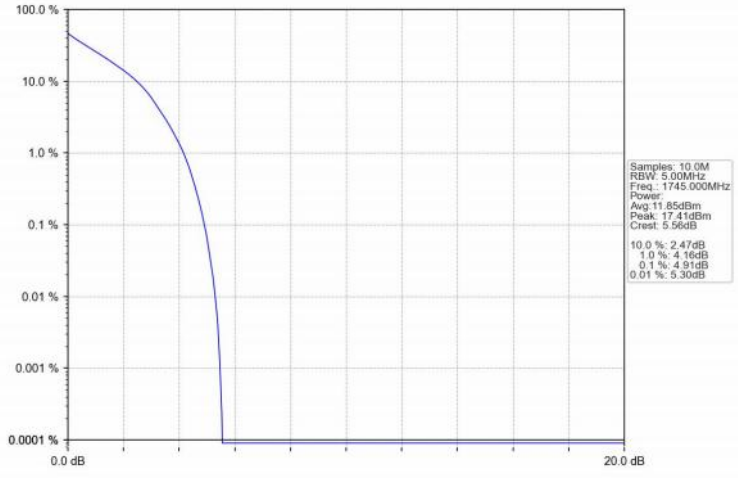


5.2.2 B66_3MHz

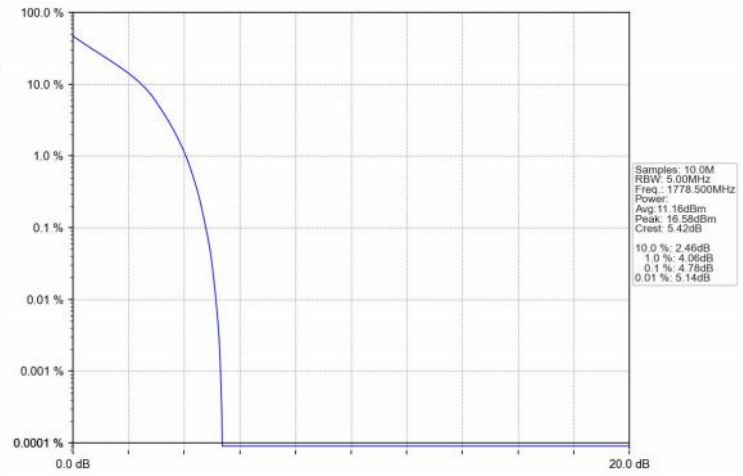
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



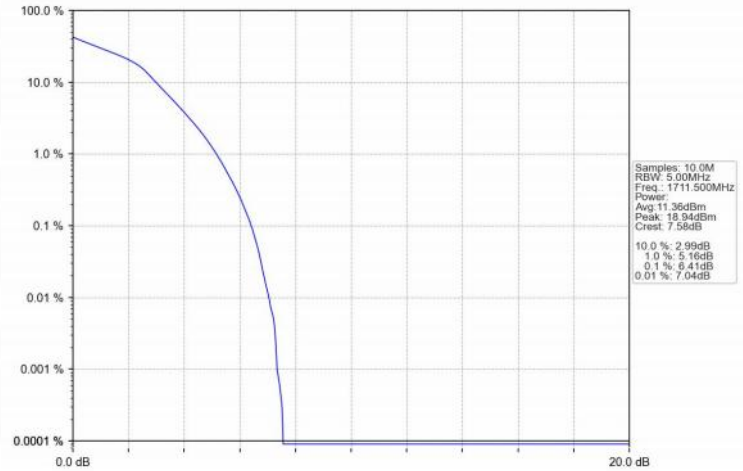
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



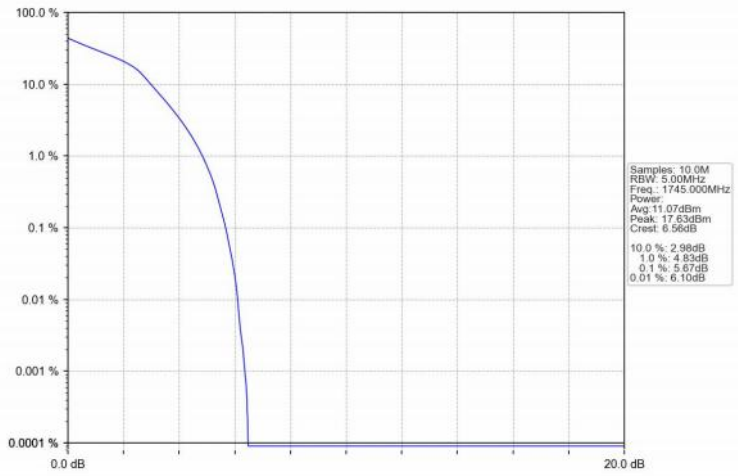
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



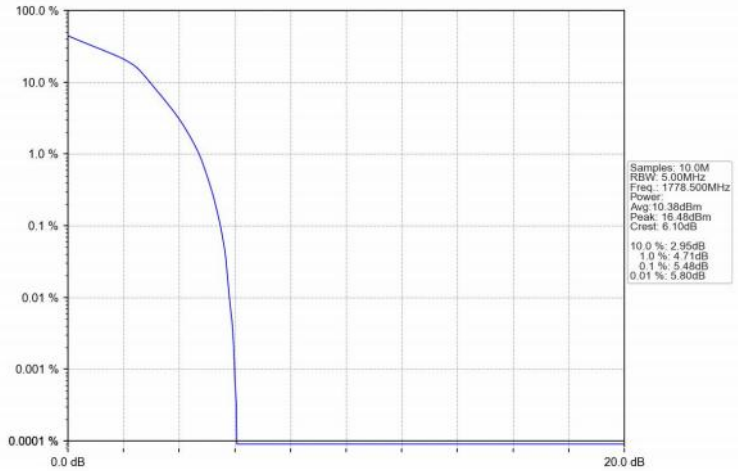
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



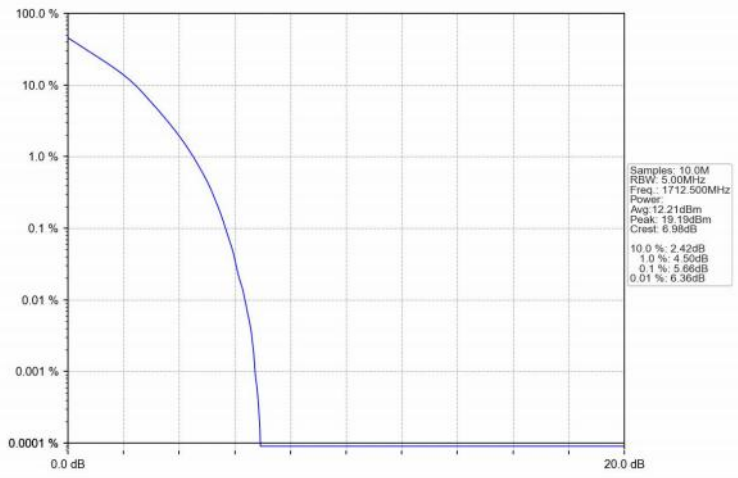
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV

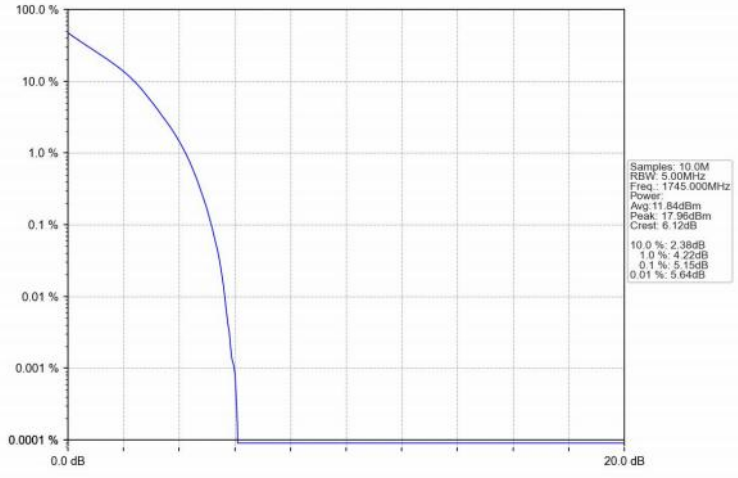


Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV

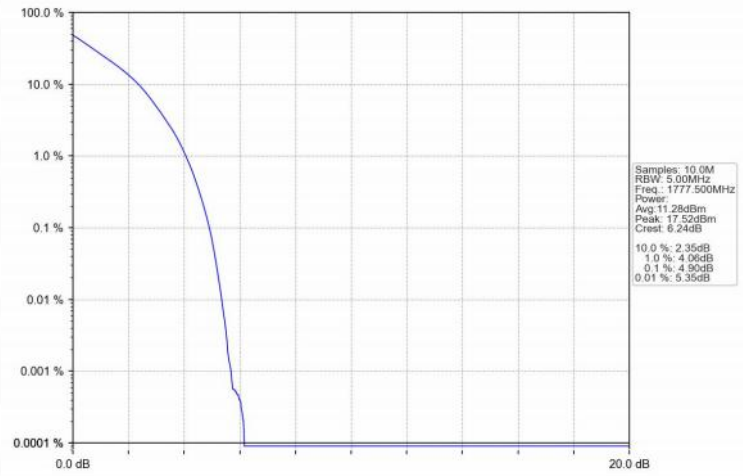


5.2.3 B66_5MHz

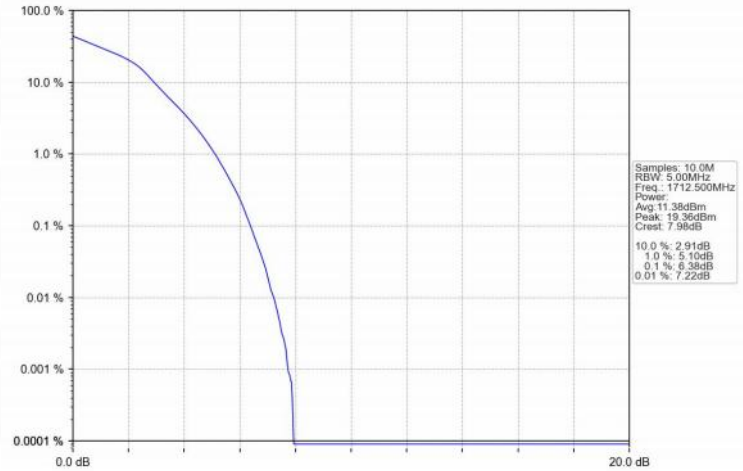
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV


Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV


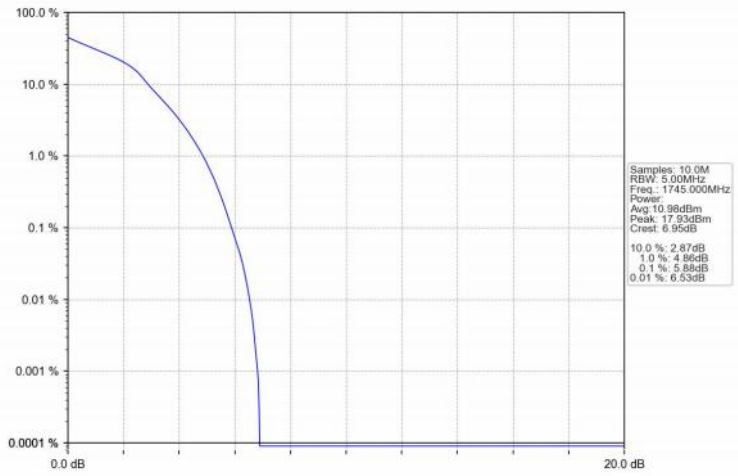
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



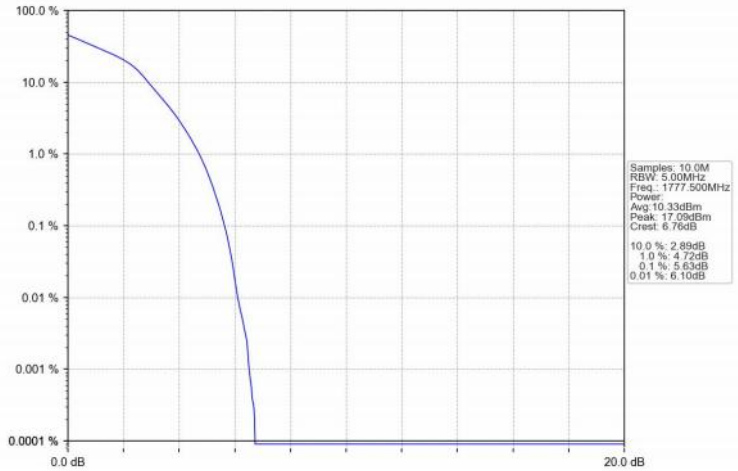
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



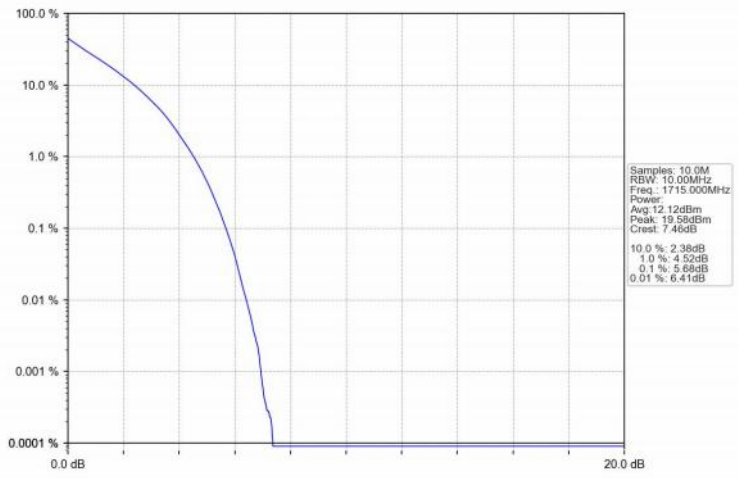
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV

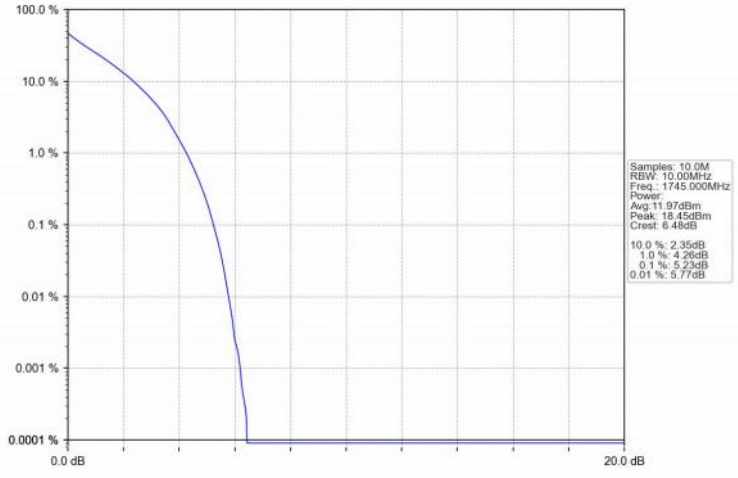


Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV

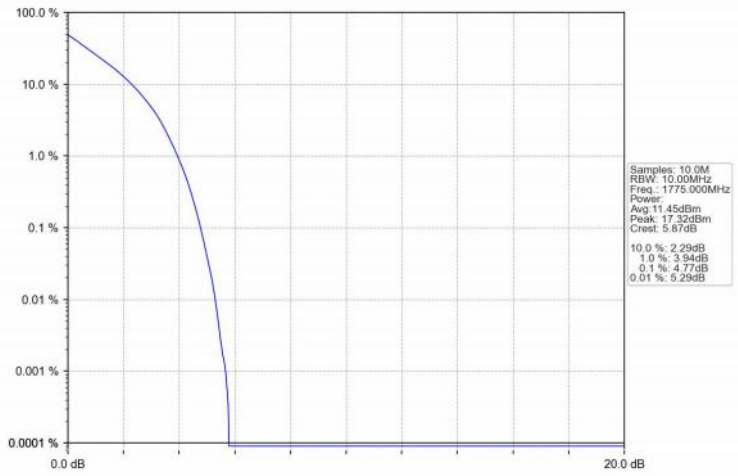


5.2.4 B66_10MHz

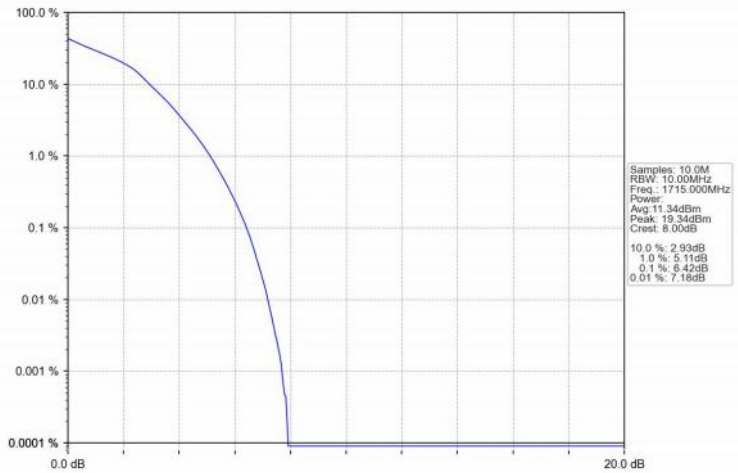
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV


Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV


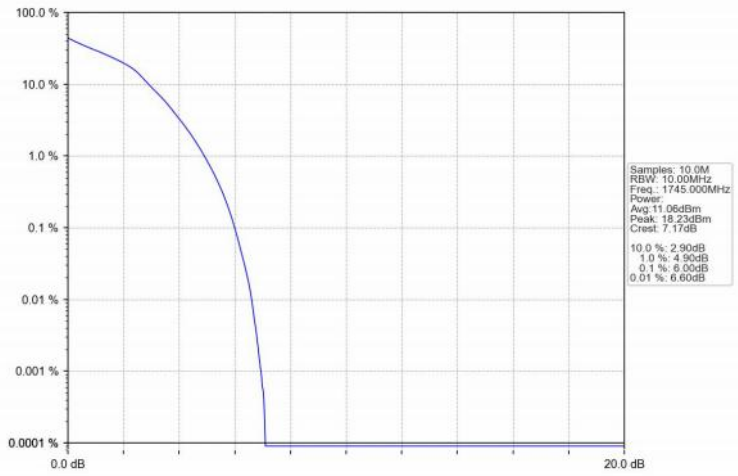
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



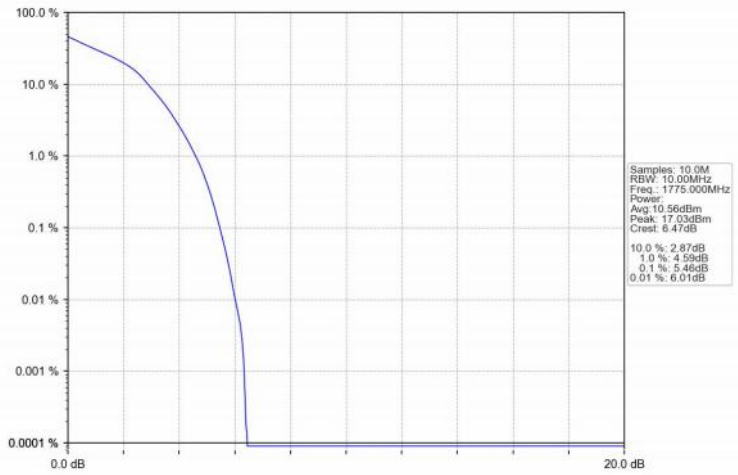
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



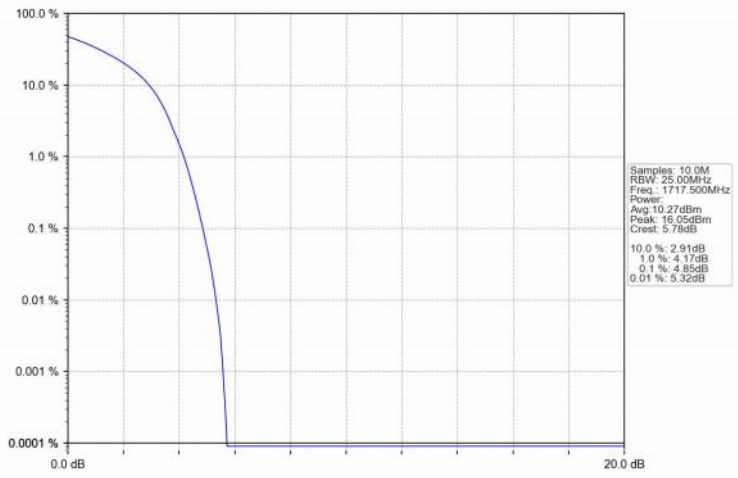
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV

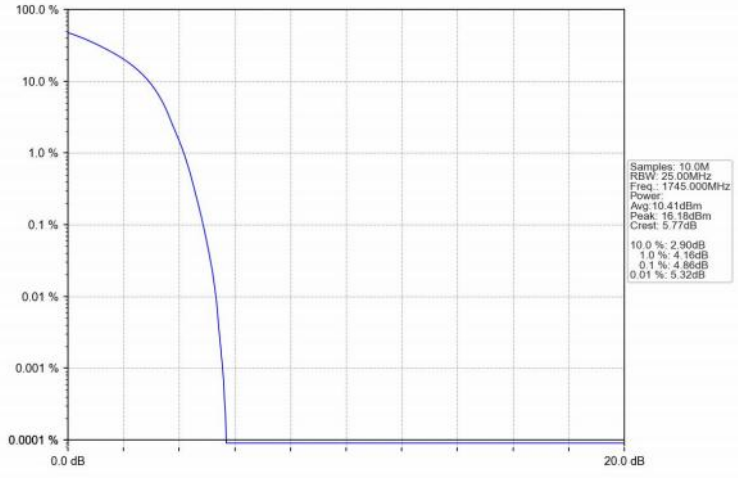


Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV

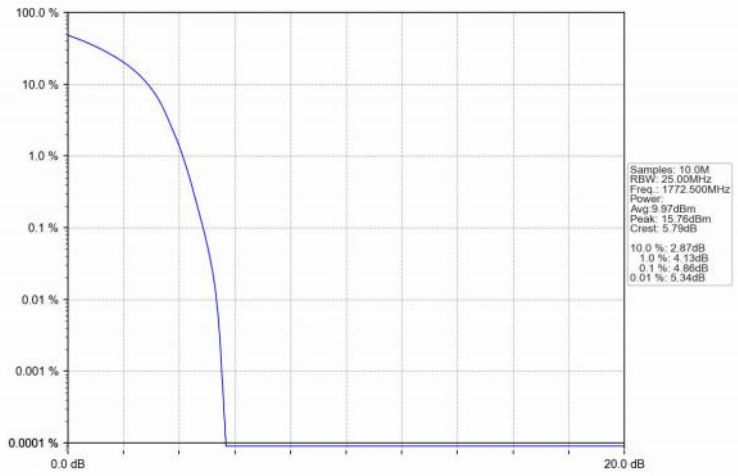


5.2.5 B66_15MHz

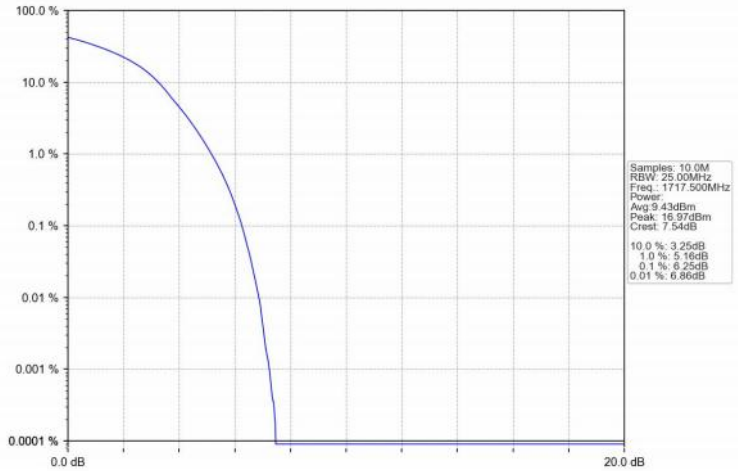
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV


Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV


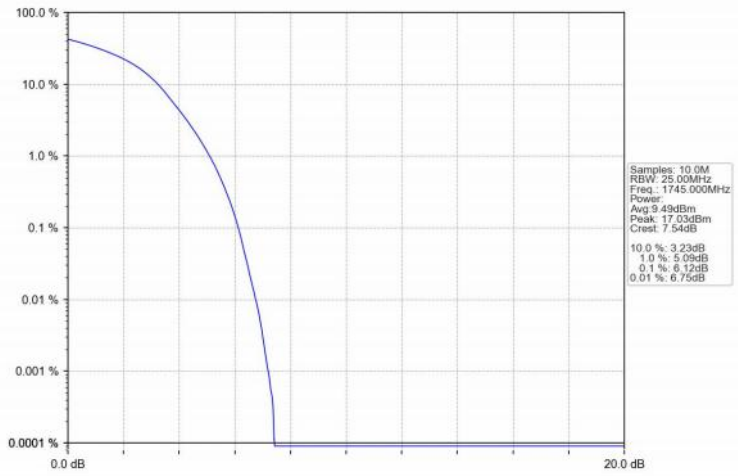
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



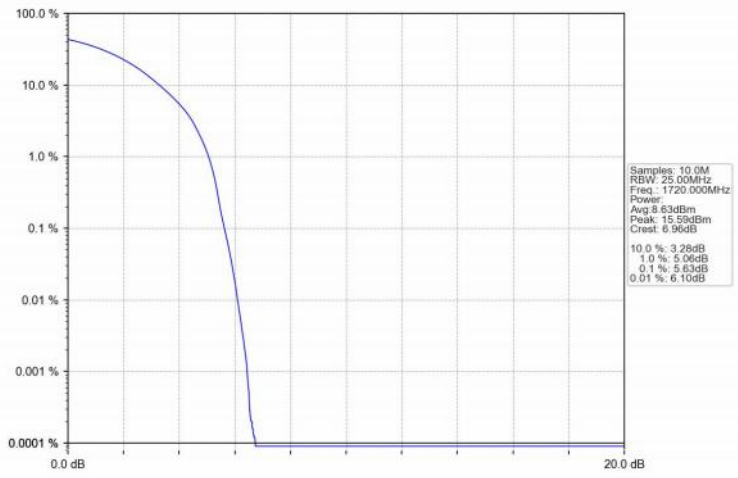
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



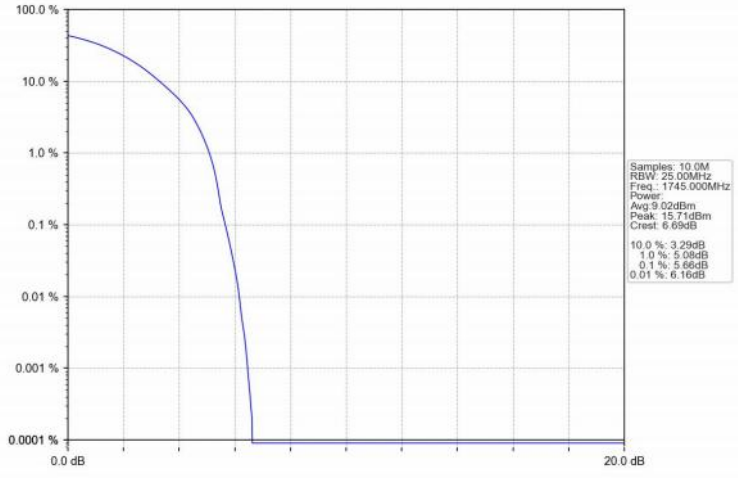
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV

5.2.6 B66_20MHz

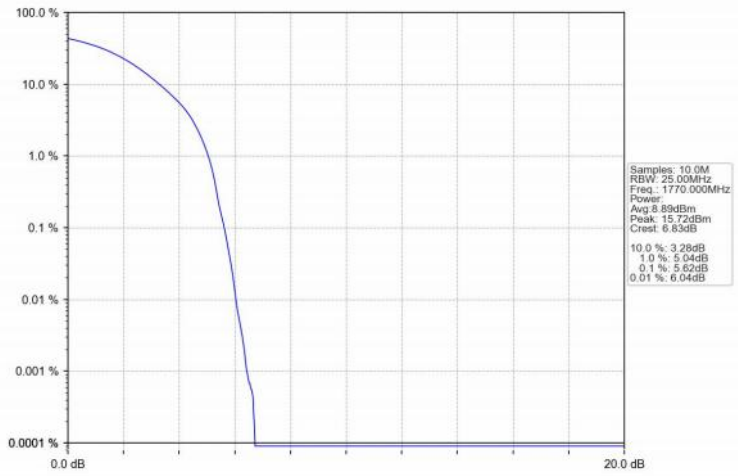
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



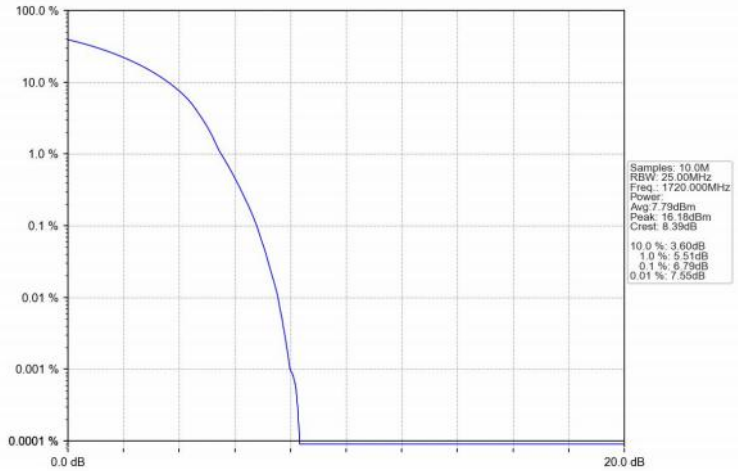
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



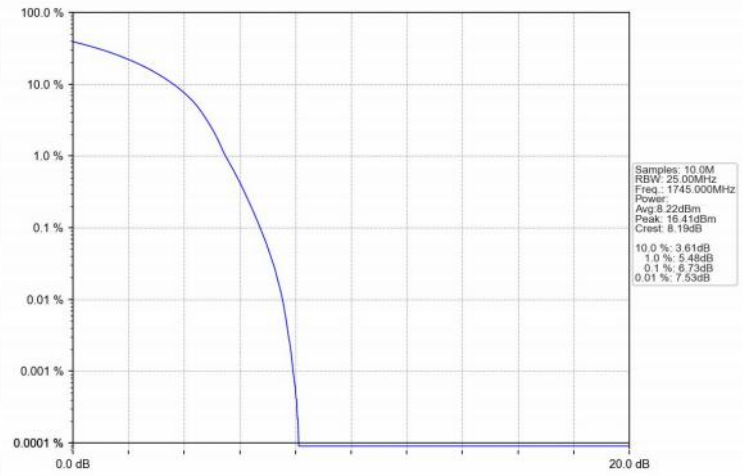
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



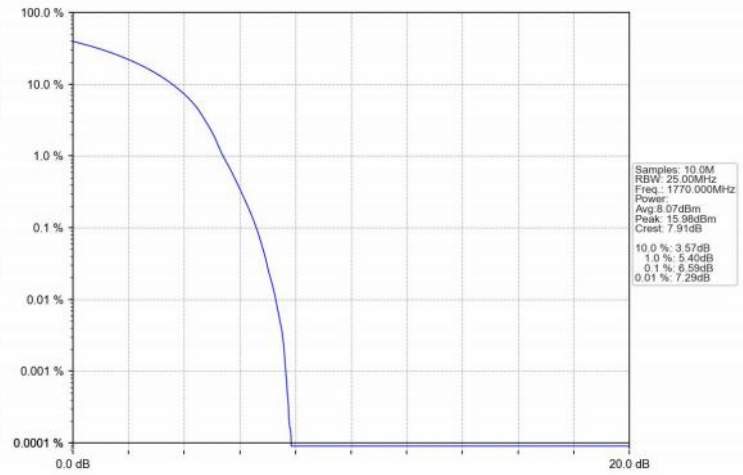
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B66_1.4MHz

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
	1745	1	0	Refer To Test Graph		Pass
	1779.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1779.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

6.1.2 B66_3MHz

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

6.1.3 B66_5MHz

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

Total or partial reproduction of this document without permission of the Laboratory is not allowed.

BTF Testing Lab (Shenzhen) Co., Ltd.
101/201/301, Building 1, Block 2, Tantou Industrial Park,Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Email: info@btf-lab.com Tel: +86-755-23146130 http://www.btf-lab.com

6.1.4 B66_10MHz

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
	1775	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1775	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.1.5 B66_15MHz

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

6.1.6 B66_20MHz

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

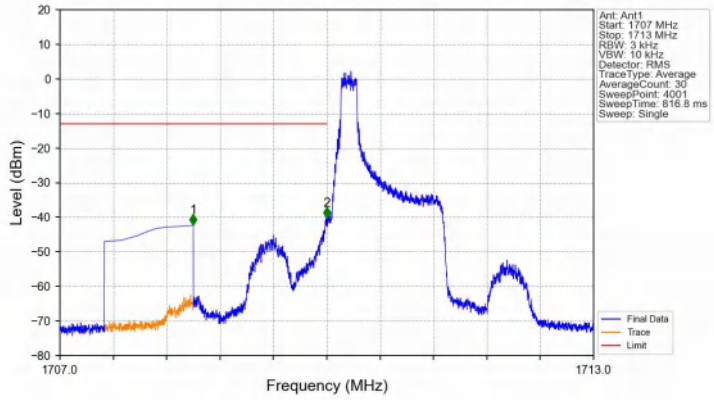
Total or partial reproduction of this document without permission of the Laboratory is not allowed.

BTF Testing Lab (Shenzhen) Co., Ltd.
101/201/301, Building 1, Block 2, Tantou Industrial Park,Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Email: info@btf-lab.com Tel: +86-755-23146130 http://www.btf-lab.com

6.2 Test Graph

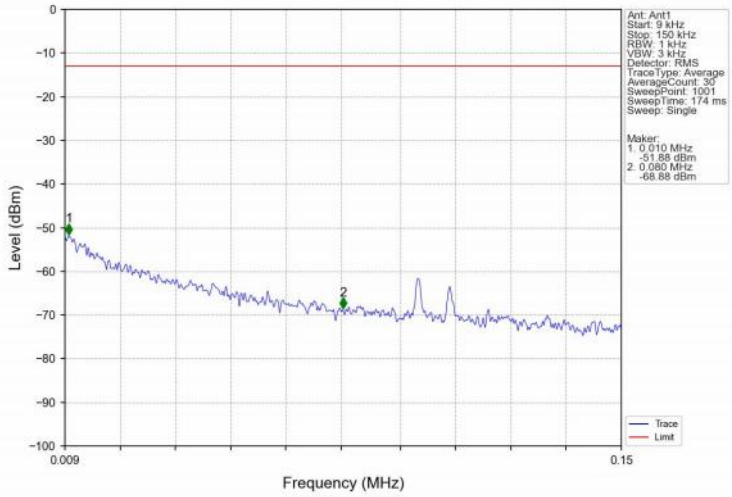
6.2.1 B66_1.4MHz

Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

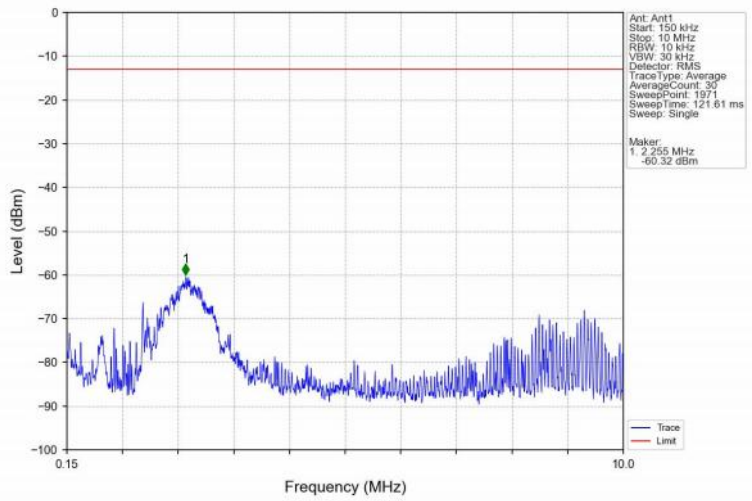


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.497	-42.31	-13	Pass
1709	1710	0.003	/	2	1709.998	-40.31	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

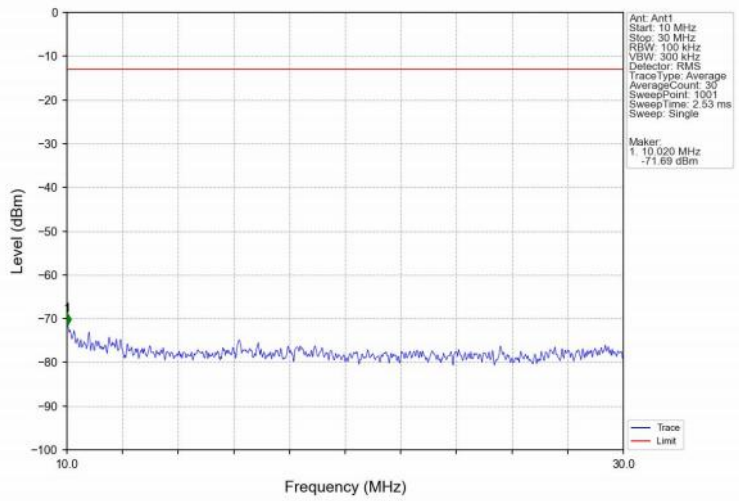
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



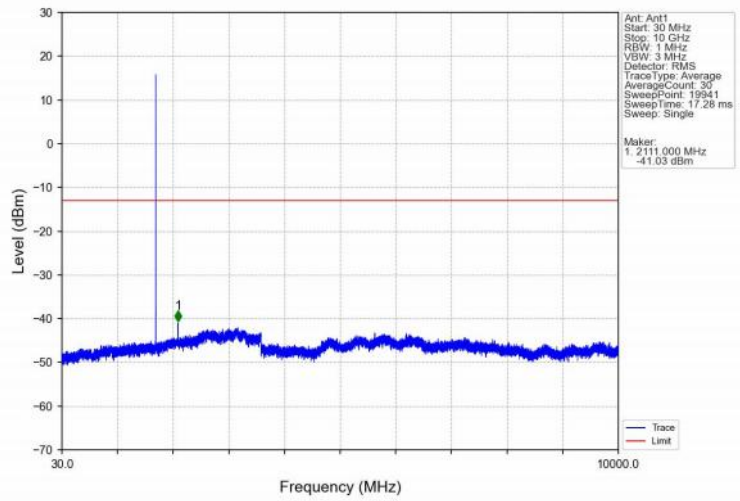
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



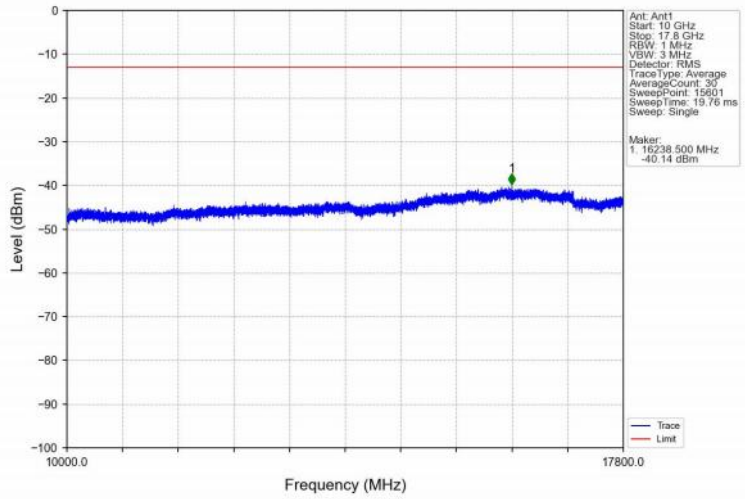
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



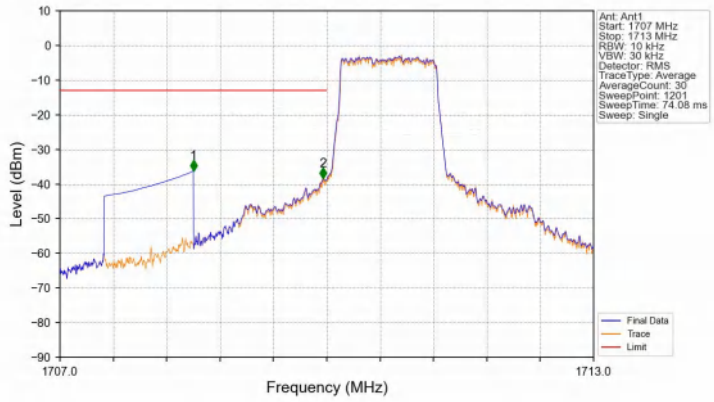
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

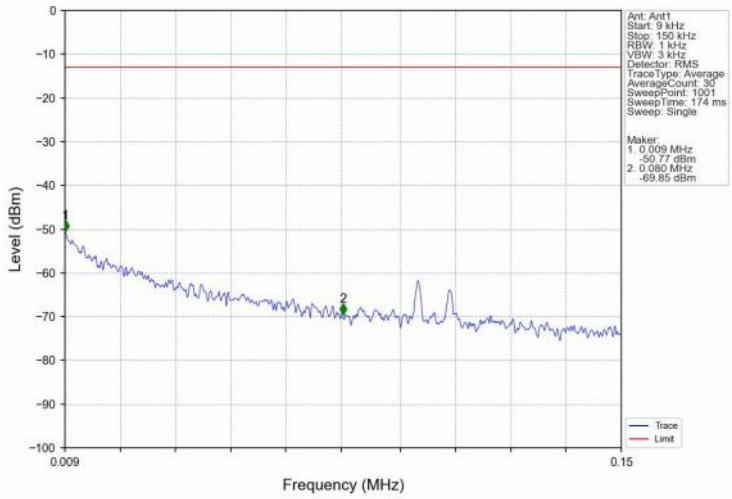


Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

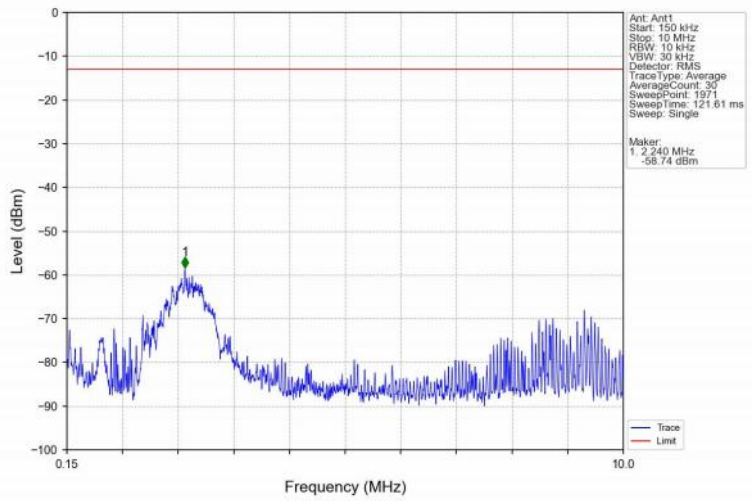


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-36.19	-13	Pass
1709	1710	0.013	CHP	2	1709.960	-38.44	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

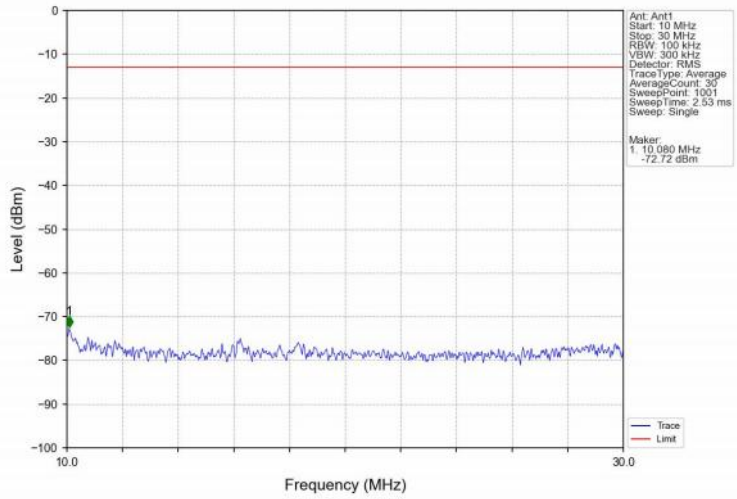
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



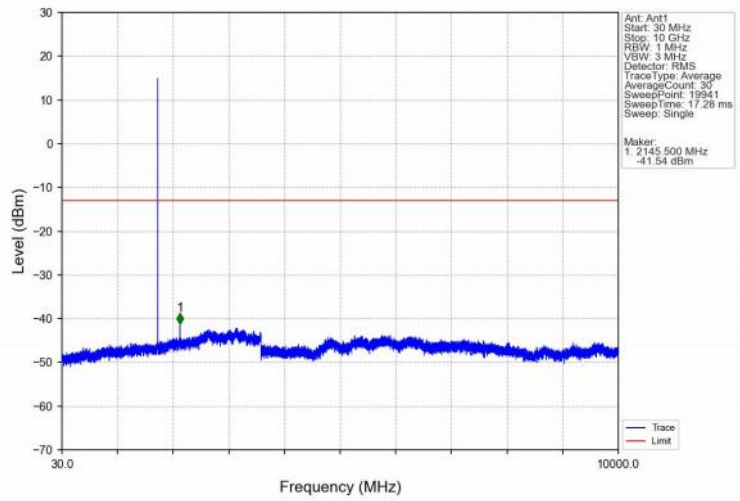
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



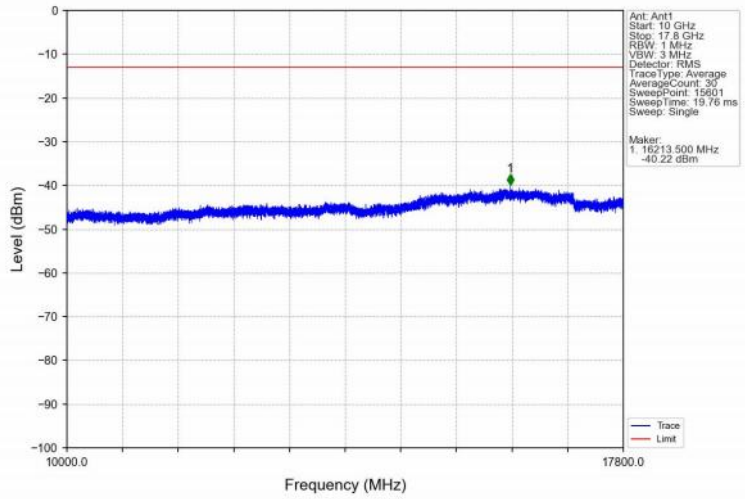
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



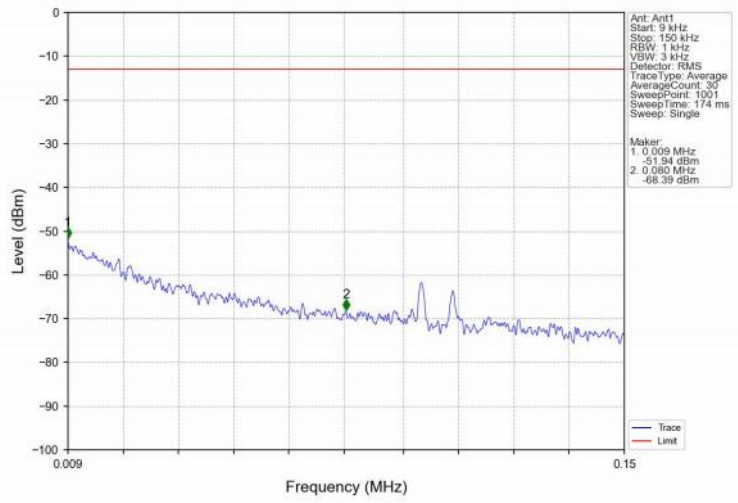
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



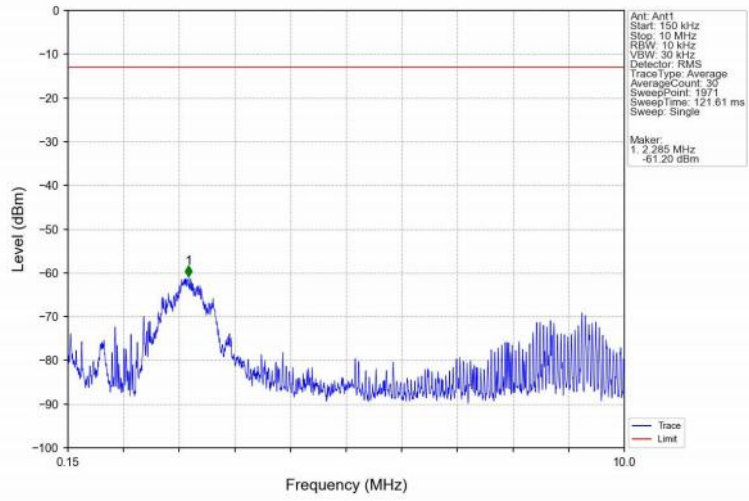
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



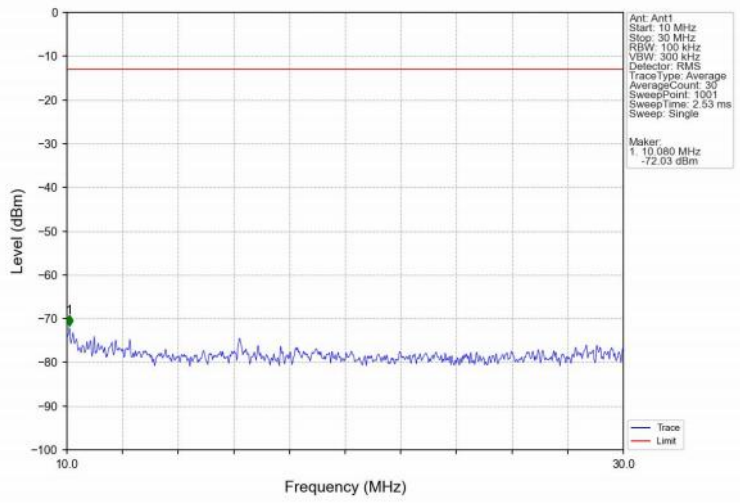
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_1_0_NTNV



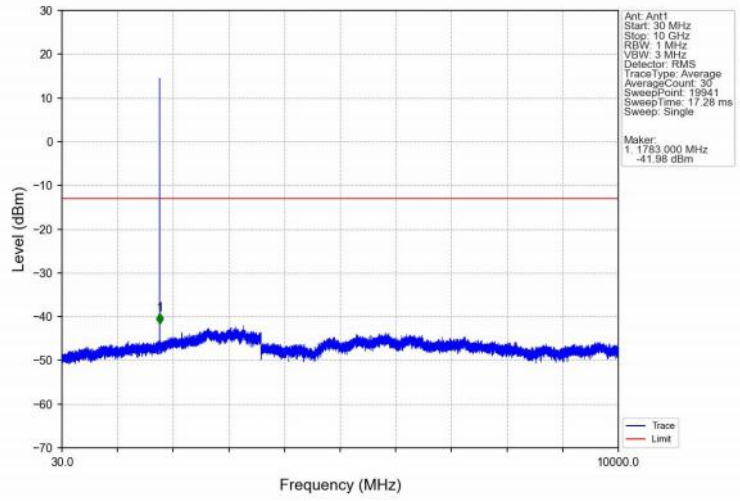
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_1_0_NTNV



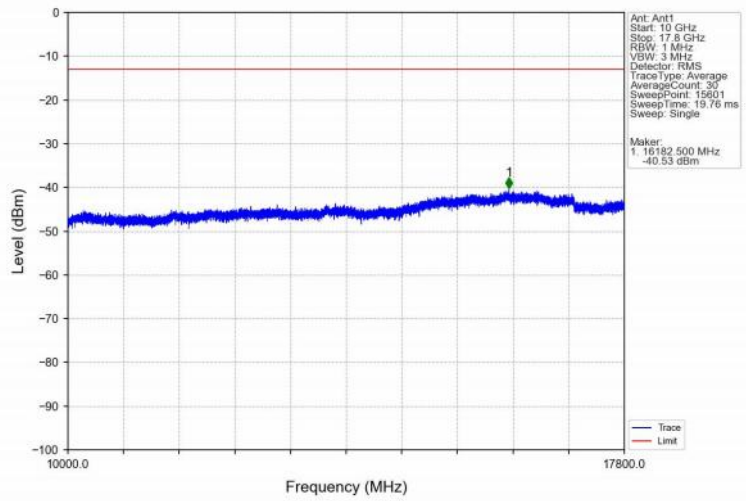
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_1_0_NTNV



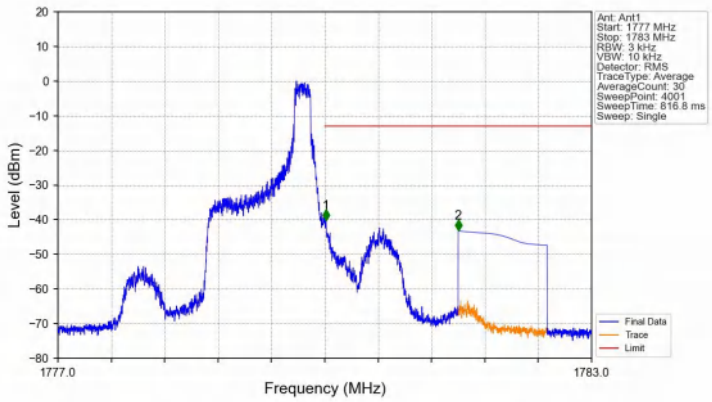
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_1_0_NTNV



Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_1_0_NTNV

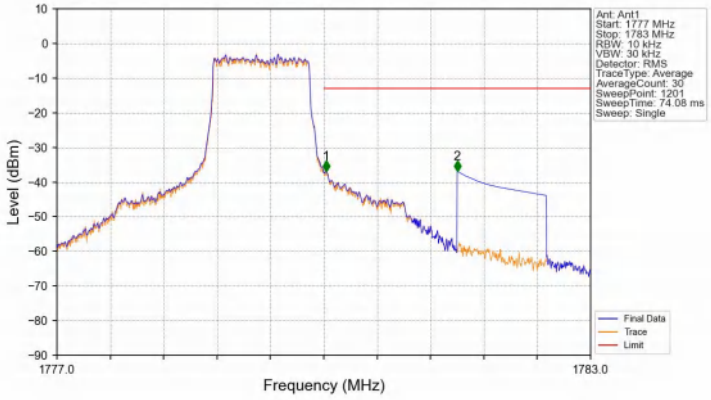


Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_1_5_NTNV



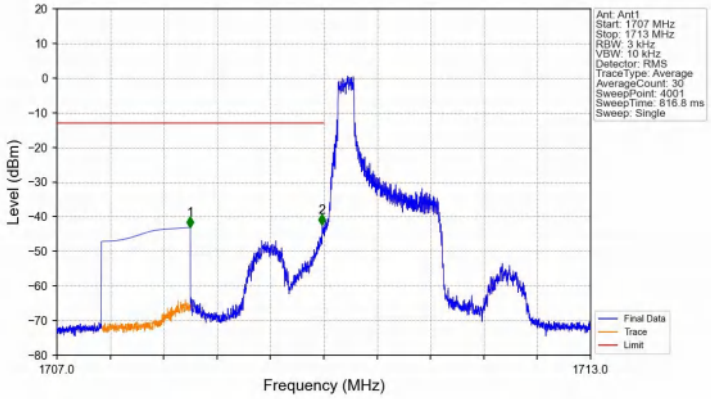
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.014	-40.17	-13	Pass
1781	1783	1	CHP	2	1781.500	-43.23	-13	Pass

Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



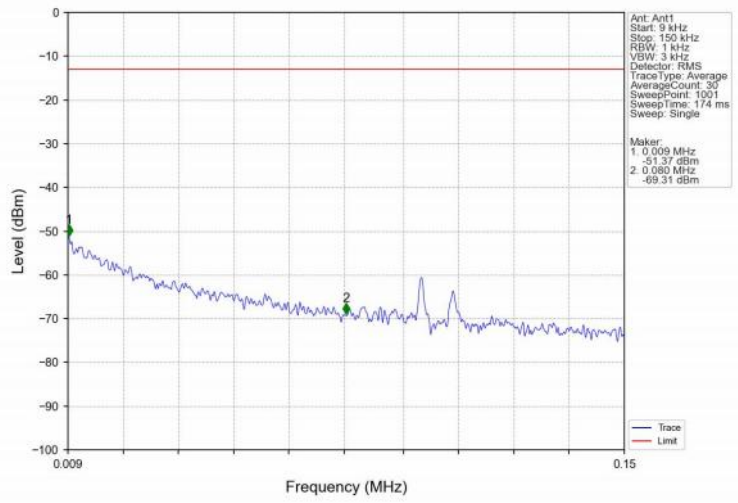
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.013	CHP	/	/	/	/	/
1780	1781	0.013	CHP	1	1780.025	-36.99	-13	Pass
1781	1783	1	CHP	2	1781.500	-36.88	-13	Pass

Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

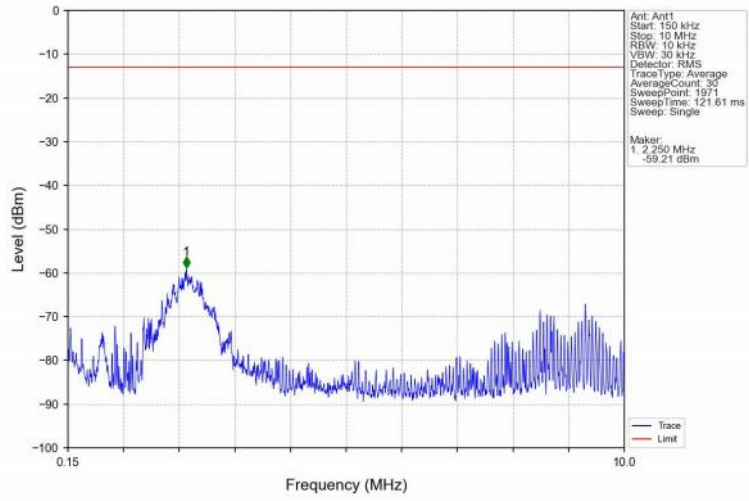


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-43.07	-13	Pass
1709	1710	0.003	/	2	1709.982	-42.42	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

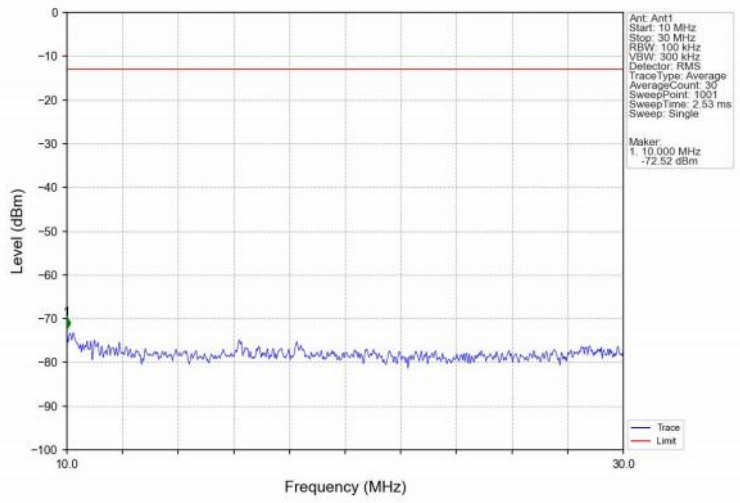
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



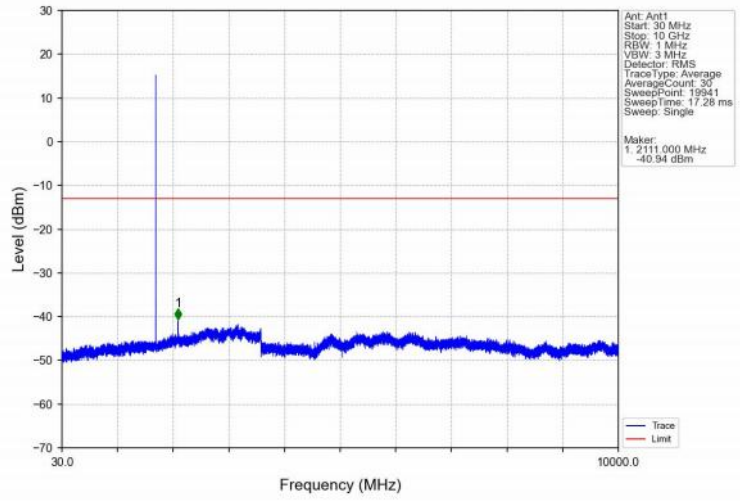
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



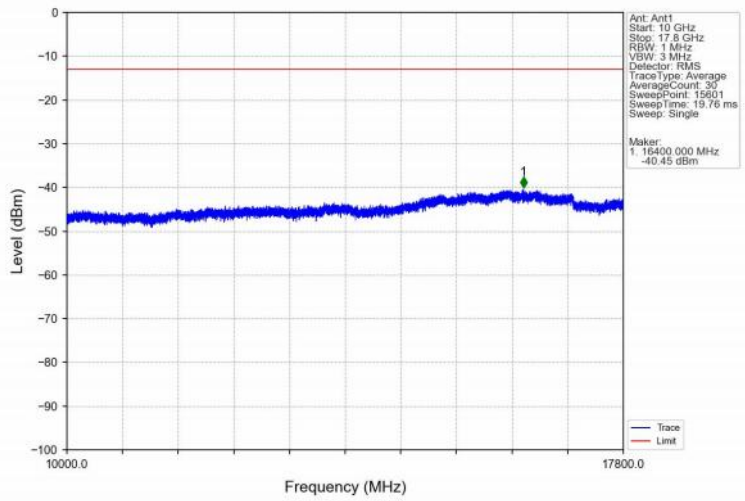
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



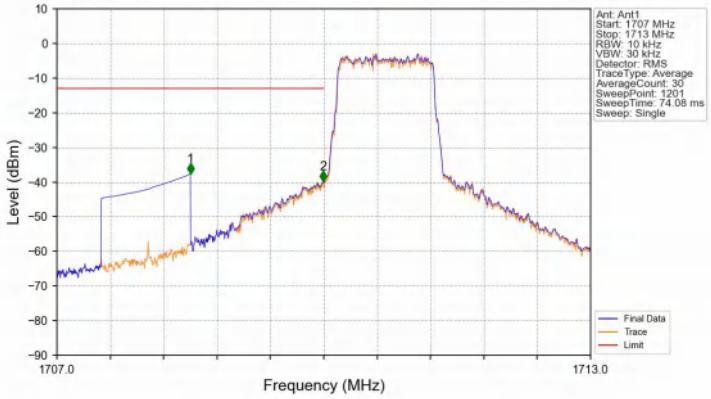
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

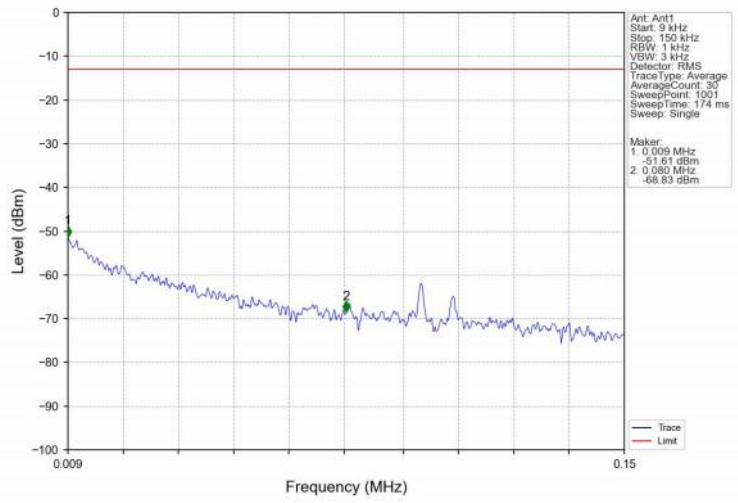


Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

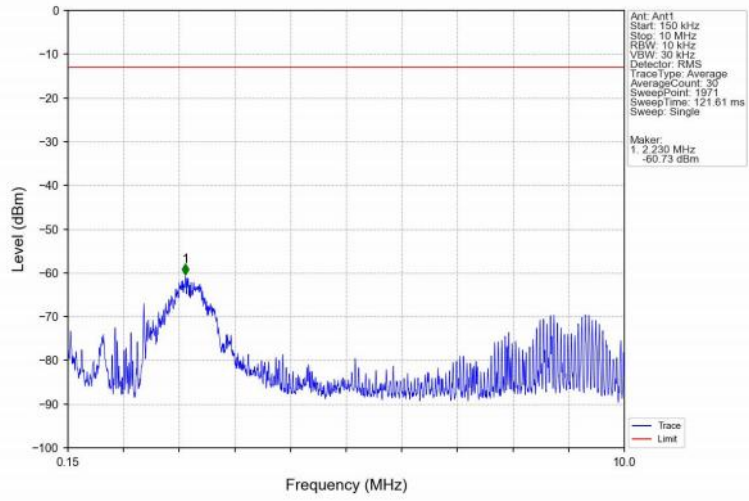


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-37.67	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-39.93	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

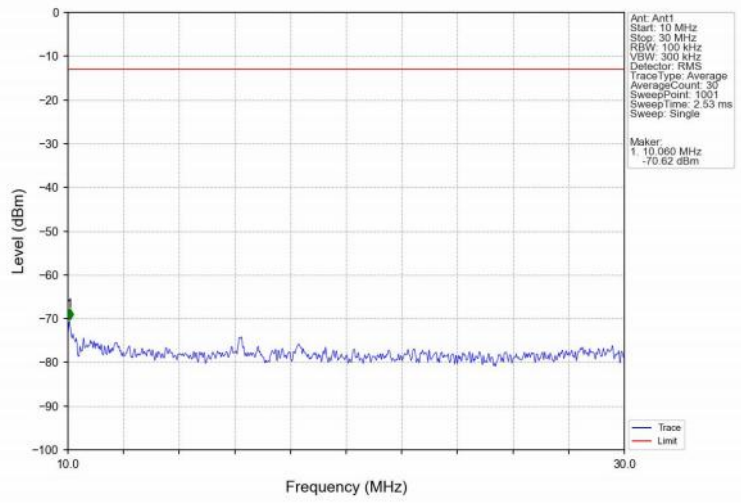
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



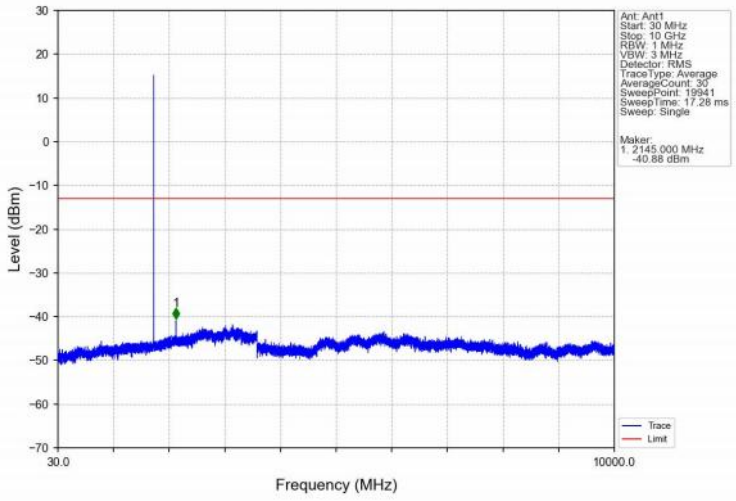
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



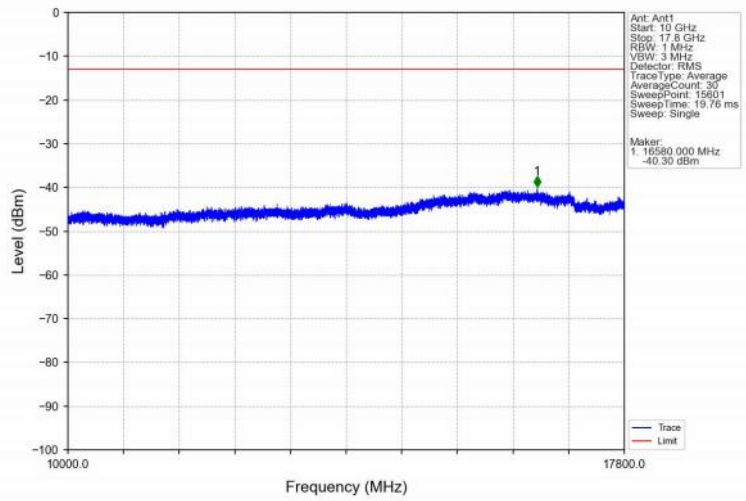
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



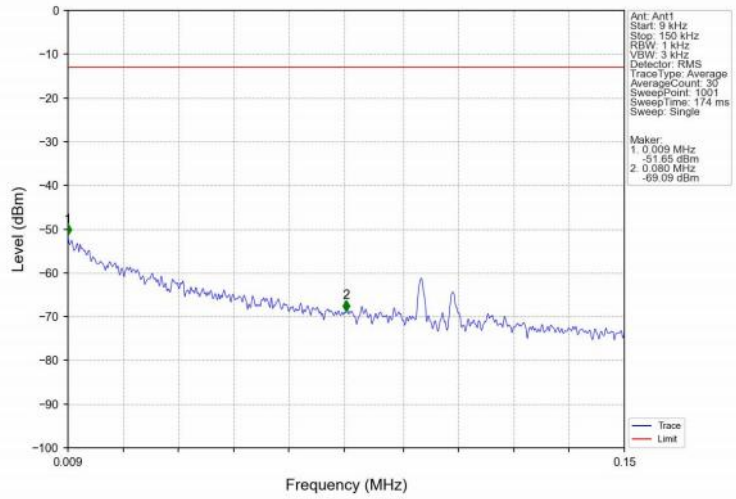
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



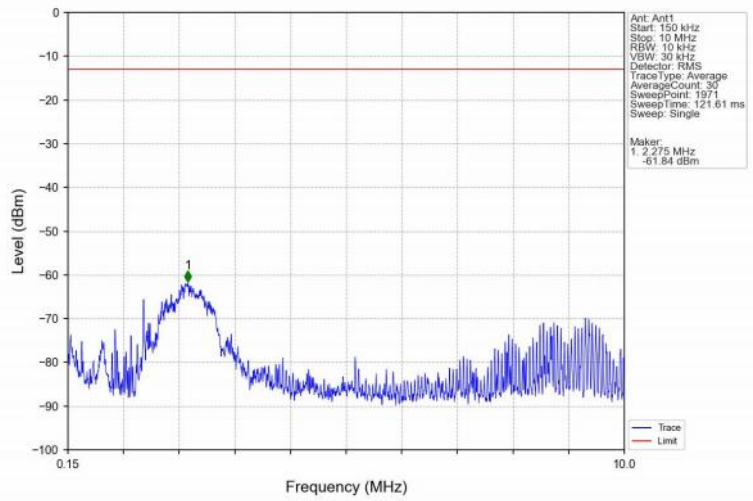
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



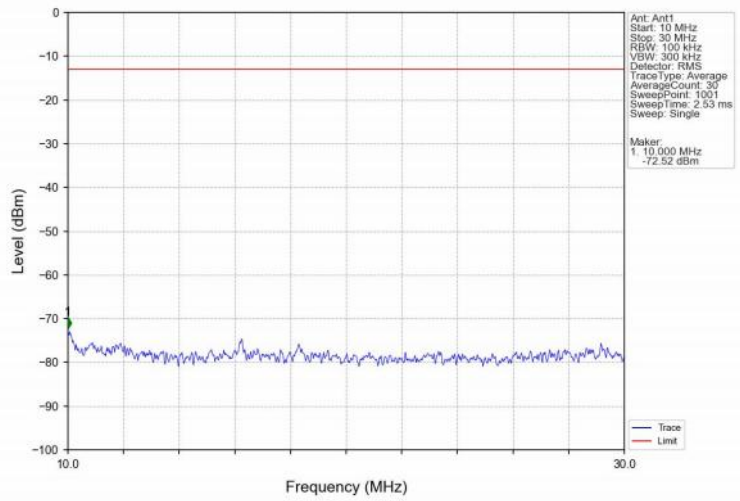
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_0_NTNV



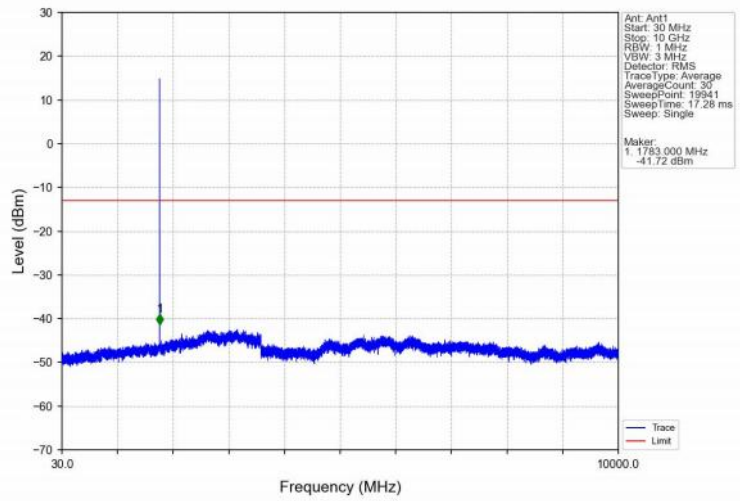
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_0_NTNV



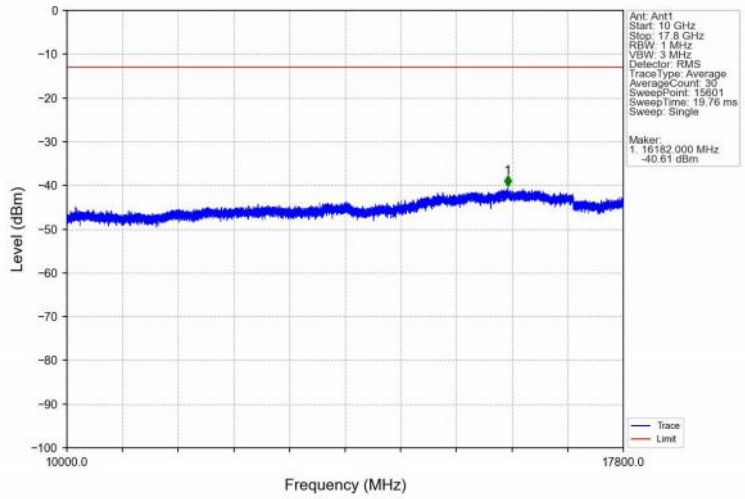
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_0_NTNV



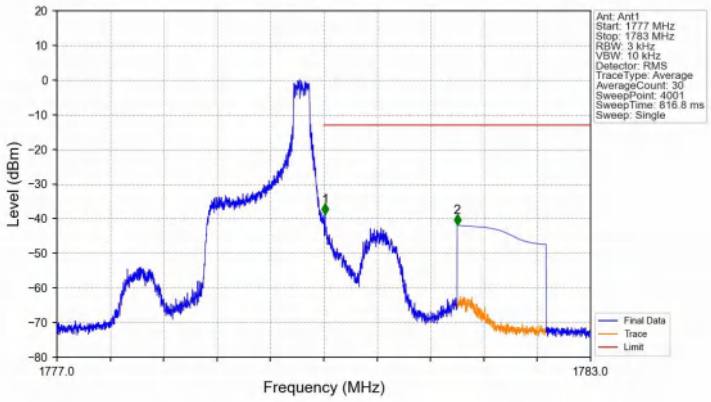
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_0_NTNV



Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_0_NTNV

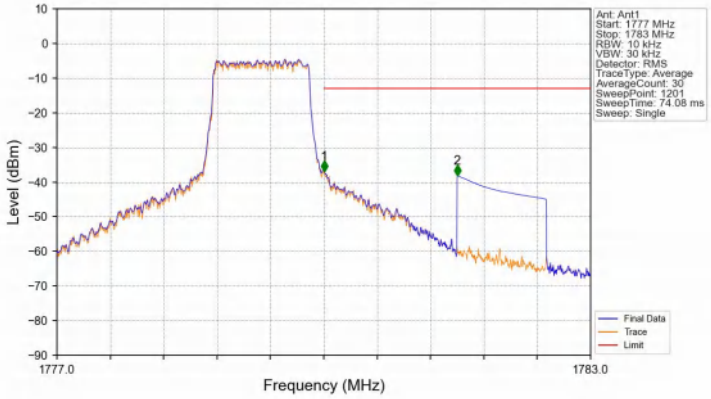


Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.015	-38.86	-13	Pass
1781	1783	1	CHP	2	1781.500	-41.86	-13	Pass

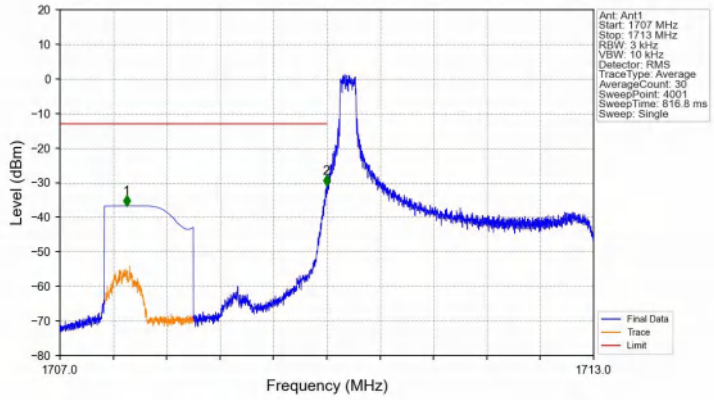
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV

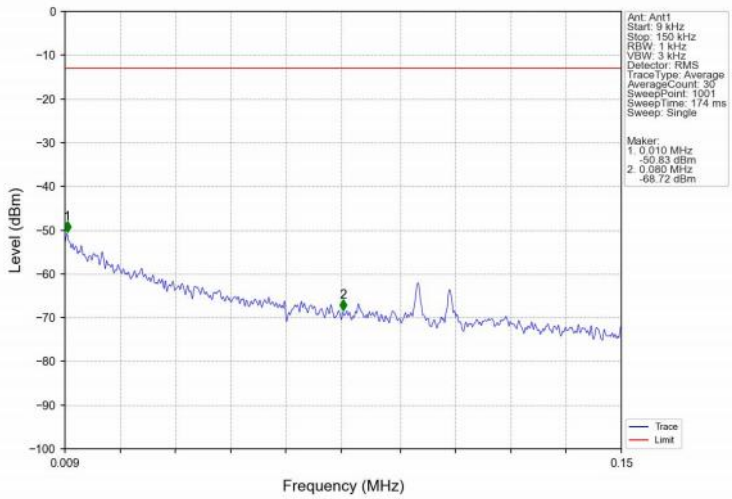


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.013	CHP	/	/	/	/	/
1780	1781	0.013	CHP	1	1780.005	-36.95	-13	Pass
1781	1783	1	CHP	2	1781.500	-38.14	-13	Pass

6.2.2 B66_3MHz

Band66_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1707.752	-36.74	-13	Pass
1709	1710	0.003	/	2	1709.997	-30.98	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

Band66_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV