Appendix - LTE Band: 2

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B2_1.4MHz_EIRP

Band: 2 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1850.7	1	0	21.46	1.55	23.01	<=33.01	Pass
			2	21.59	1.55	23.14	<=33.01	Pass
			5	21.59	1.55	23.14	<=33.01	Pass
		3	0	21.50	1.55	23.05	<=33.01	Pass
			2	21.46	1.55	23.01	<=33.01	Pass
			3	21.49	1.55	23.04	<=33.01	Pass
		6	0	20.42	1.55	21.97	<=33.01	Pass
	1880	1	0	21.86	1.55	23.41	<=33.01	Pass
			2	21.99	1.55	23.54	<=33.01	Pass
			5	21.93	1.55	23.48	<=33.01	Pass
		3	0	21.90	1.55	23.45	<=33.01	Pass
			2	21.85	1.55	23.40	<=33.01	Pass
			3	21.89	1.55	23.44	<=33.01	Pass
		6	0	20.86	1.55	22.41	<=33.01	Pass
	1909.3	1	0	22.43	1.55	23.98	<=33.01	Pass
			2	22.41	1.55	23.96	<=33.01	Pass
			5	22.40	1.55	23.95	<=33.01	Pass
		3	0	22.38	1.55	23.93	<=33.01	Pass
			2	22.37	1.55	23.92	<=33.01	Pass
			3	22.42	1.55	23.97	<=33.01	Pass
		6	0	21.34	1.55	22.89	<=33.01	Pass
16QAM	1850.7	1	0	21.28	1.55	22.83	<=33.01	Pass
			2	21.22	1.55	22.77	<=33.01	Pass
			5	21.22	1.55	22.77	<=33.01	Pass
		3	0	20.70	1.55	22.25	<=33.01	Pass
			2	20.69	1.55	22.24	<=33.01	Pass
			3	20.71	1.55	22.26	<=33.01	Pass
		6	0	19.72	1.55	21.27	<=33.01	Pass
	1880	1	0	21.46	1.55	23.01	<=33.01	Pass
			2	21.41	1.55	22.96	<=33.01	Pass
			5	21.49	1.55	23.04	<=33.01	Pass
		3	0	20.95	1.55	22.50	<=33.01	Pass
			2	20.94	1.55	22.49	<=33.01	Pass
			3	20.99	1.55	22.54	<=33.01	Pass
		6	0	19.91	1.55	21.46	<=33.01	Pass
	1909.3	1	0	21.48	1.55	23.03	<=33.01	Pass
			2	21.45	1.55	23.00	<=33.01	Pass
			5	21.46	1.55	23.01	<=33.01	Pass
		3	0	21.31	1.55	22.86	<=33.01	Pass
			2	21.26	1.55	22.81	<=33.01	Pass
			3	21.29	1.55	22.84	<=33.01	Pass
		6	0	20.53	1.55	22.08	<=33.01	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 B2_3MHz_EIRP

Band: 2 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1851.5	1	0	21.46	1.55	23.01	<=33.01	Pass
			7	21.51	1.55	23.06	<=33.01	Pass
			14	21.44	1.55	22.99	<=33.01	Pass
		8	0	20.53	1.55	22.08	<=33.01	Pass
			4	20.43	1.55	21.98	<=33.01	Pass
			7	20.49	1.55	22.04	<=33.01	Pass
		15	0	20.47	1.55	22.02	<=33.01	Pass
	1880	1	0	21.70	1.55	23.25	<=33.01	Pass
			7	21.75	1.55	23.30	<=33.01	Pass
			14	21.76	1.55	23.31	<=33.01	Pass
		8	0	20.89	1.55	22.44	<=33.01	Pass
			4	20.95	1.55	22.50	<=33.01	Pass
			7	20.94	1.55	22.49	<=33.01	Pass
		15	0	20.89	1.55	22.44	<=33.01	Pass
	1908.5	1	0	22.31	1.55	23.86	<=33.01	Pass
			7	22.33	1.55	23.88	<=33.01	Pass
			14	22.36	1.55	23.91	<=33.01	Pass
		8	0	21.50	1.55	23.05	<=33.01	Pass
			4	21.47	1.55	23.02	<=33.01	Pass
			7	21.38	1.55	22.93	<=33.01	Pass
		15	0	21.45	1.55	23.00	<=33.01	Pass
16QAM	1851.5	1	0	20.84	1.55	22.39	<=33.01	Pass
			7	20.83	1.55	22.38	<=33.01	Pass
			14	20.77	1.55	22.32	<=33.01	Pass
		8	0	19.85	1.55	21.40	<=33.01	Pass
			4	19.84	1.55	21.39	<=33.01	Pass
			7	19.81	1.55	21.36	<=33.01	Pass
		15	0	19.69	1.55	21.24	<=33.01	Pass
	1880	1	0	21.93	1.55	23.48	<=33.01	Pass
			7	21.95	1.55	23.50	<=33.01	Pass
			14	22.00	1.55	23.55	<=33.01	Pass
		8	0	20.05	1.55	21.60	<=33.01	Pass
			4	20.13	1.55	21.68	<=33.01	Pass
			7	20.12	1.55	21.67	<=33.01	Pass
		15	0	20.03	1.55	21.58	<=33.01	Pass
	1908.5	1	0	22.18	1.55	23.73	<=33.01	Pass
			7	22.21	1.55	23.76	<=33.01	Pass
			14	22.23	1.55	23.78	<=33.01	Pass
		8	0	20.78	1.55	22.33	<=33.01	Pass
			4	20.77	1.55	22.32	<=33.01	Pass
			7	20.81	1.55	22.36	<=33.01	Pass
		15	0	20.56	1.55	22.11	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B2_5MHz_EIRP

Band: 2 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1852.5	1	0	21.52	1.55	23.07	<=33.01	Pass
			13	21.23	1.55	22.78	<=33.01	Pass
			24	21.35	1.55	22.90	<=33.01	Pass
		12	0	20.49	1.55	22.04	<=33.01	Pass

			6	20.35	1.55	21.90	<=33.01	Pass
			13	20.50	1.55	22.05	<=33.01	Pass
		25	0	20.38	1.55	21.93	<=33.01	Pass
	1880	1	0	21.78	1.55	23.33	<=33.01	Pass
			13	21.90	1.55	23.45	<=33.01	Pass
			24	22.02	1.55	23.57	<=33.01	Pass
		12	0	20.92	1.55	22.47	<=33.01	Pass
			6	20.93	1.55	22.48	<=33.01	Pass
			13	20.86	1.55	22.41	<=33.01	Pass
		25	0	20.82	1.55	22.37	<=33.01	Pass
	1907.5	1	0	22.24	1.55	23.79	<=33.01	Pass
			13	22.33	1.55	23.88	<=33.01	Pass
			24	22.24	1.55	23.79	<=33.01	Pass
		12	0	21.43	1.55	22.98	<=33.01	Pass
			6	21.33	1.55	22.88	<=33.01	Pass
			13	21.35	1.55	22.90	<=33.01	Pass
		25	0	21.44	1.55	22.99	<=33.01	Pass
16QAM	1852.5	1	0	21.18	1.55	22.73	<=33.01	Pass
			13	21.10	1.55	22.65	<=33.01	Pass
			24	21.16	1.55	22.71	<=33.01	Pass
		12	0	19.64	1.55	21.19	<=33.01	Pass
			6	19.58	1.55	21.13	<=33.01	Pass
			13	19.59	1.55	21.14	<=33.01	Pass
		25	0	19.67	1.55	21.22	<=33.01	Pass
	1880	1	0	21.49	1.55	23.04	<=33.01	Pass
			13	21.60	1.55	23.15	<=33.01	Pass
			24	21.63	1.55	23.18	<=33.01	Pass
		12	0	19.97	1.55	21.52	<=33.01	Pass
			6	20.02	1.55	21.57	<=33.01	Pass
			13	20.09	1.55	21.64	<=33.01	Pass
		25	0	20.00	1.55	21.55	<=33.01	Pass
	1907.5	1	0	21.13	1.55	22.68	<=33.01	Pass
			13	21.20	1.55	22.75	<=33.01	Pass
			24	21.15	1.55	22.70	<=33.01	Pass
		12	0	20.46	1.55	22.01	<=33.01	Pass
			6	20.53	1.55	22.08	<=33.01	Pass
			13	20.54	1.55	22.09	<=33.01	Pass
		25	0	20.66	1.55	22.21	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B2_10MHz_EIRP

Band: 2 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1855	1	0	21.44	1.55	22.99	<=33.01	Pass
			25	21.37	1.55	22.92	<=33.01	Pass
			49	21.53	1.55	23.08	<=33.01	Pass
		25	0	20.44	1.55	21.99	<=33.01	Pass
			13	20.38	1.55	21.93	<=33.01	Pass
			25	20.42	1.55	21.97	<=33.01	Pass
		50	0	20.48	1.55	22.03	<=33.01	Pass
	1880	1	0	21.65	1.55	23.20	<=33.01	Pass
			25	21.73	1.55	23.28	<=33.01	Pass
			49	21.96	1.55	23.51	<=33.01	Pass
		25	0	20.78	1.55	22.33	<=33.01	Pass
			13	20.90	1.55	22.45	<=33.01	Pass
			25	20.87	1.55	22.42	<=33.01	Pass
		50	0	20.88	1.55	22.43	<=33.01	Pass
	1905	1	0	22.27	1.55	23.82	<=33.01	Pass

			25	22.28	1.55	23.83	<=33.01	Pass
			49	22.38	1.55	23.93	<=33.01	Pass
		25	0	21.43	1.55	22.98	<=33.01	Pass
			13	21.37	1.55	22.92	<=33.01	Pass
			25	21.36	1.55	22.91	<=33.01	Pass
		50	0	21.39	1.55	22.94	<=33.01	Pass
16QAM	1855	1	0	20.48	1.55	22.03	<=33.01	Pass
			25	20.47	1.55	22.02	<=33.01	Pass
			49	20.48	1.55	22.03	<=33.01	Pass
		25	0	19.66	1.55	21.21	<=33.01	Pass
			13	19.67	1.55	21.22	<=33.01	Pass
			25	19.70	1.55	21.25	<=33.01	Pass
		50	0	19.58	1.55	21.13	<=33.01	Pass
	1880	1	0	22.13	1.55	23.68	<=33.01	Pass
			25	22.14	1.55	23.69	<=33.01	Pass
			49	22.35	1.55	23.90	<=33.01	Pass
		25	0	19.93	1.55	21.48	<=33.01	Pass
			13	20.00	1.55	21.55	<=33.01	Pass
			25	20.17	1.55	21.72	<=33.01	Pass
		50	0	20.03	1.55	21.58	<=33.01	Pass
	1905	1	0	22.33	1.55	23.88	<=33.01	Pass
			25	22.35	1.55	23.90	<=33.01	Pass
			49	22.42	1.55	23.97	<=33.01	Pass
		25	0	20.55	1.55	22.10	<=33.01	Pass
			13	20.51	1.55	22.06	<=33.01	Pass
			25	20.58	1.55	22.13	<=33.01	Pass
		50	0	20.52	1.55	22.07	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.5 B2_15MHz_EIRP

Band: 2 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1857.5	1	0	21.40	1.55	22.95	<=33.01	Pass
			38	21.35	1.55	22.90	<=33.01	Pass
			74	21.48	1.55	23.03	<=33.01	Pass
		36	0	20.50	1.55	22.05	<=33.01	Pass
			18	20.40	1.55	21.95	<=33.01	Pass
			39	20.47	1.55	22.02	<=33.01	Pass
		75	0	20.54	1.55	22.09	<=33.01	Pass
	1880	1	0	21.61	1.55	23.16	<=33.01	Pass
			38	21.85	1.55	23.40	<=33.01	Pass
			74	21.94	1.55	23.49	<=33.01	Pass
		36	0	20.83	1.55	22.38	<=33.01	Pass
			18	20.93	1.55	22.48	<=33.01	Pass
			39	20.88	1.55	22.43	<=33.01	Pass
		75	0	20.82	1.55	22.37	<=33.01	Pass
	1902.5	1	0	22.17	1.55	23.72	<=33.01	Pass
			38	22.35	1.55	23.90	<=33.01	Pass
			74	22.32	1.55	23.87	<=33.01	Pass
		36	0	21.29	1.55	22.84	<=33.01	Pass
			18	21.42	1.55	22.97	<=33.01	Pass
			39	21.38	1.55	22.93	<=33.01	Pass
		75	0	21.33	1.55	22.88	<=33.01	Pass
16QAM	1857.5	1	0	21.32	1.55	22.87	<=33.01	Pass
			38	21.32	1.55	22.87	<=33.01	Pass
			74	21.49	1.55	23.04	<=33.01	Pass
		36	0	19.50	1.55	21.05	<=33.01	Pass
			18	19.59	1.55	21.14	<=33.01	Pass

			39	19.68	1.55	21.23	<=33.01	Pass
		75	0	19.61	1.55	21.16	<=33.01	Pass
	1880	1	0	22.16	1.55	23.71	<=33.01	Pass
			38	22.11	1.55	23.66	<=33.01	Pass
			74	22.34	1.55	23.89	<=33.01	Pass
		36	0	19.90	1.55	21.45	<=33.01	Pass
			18	19.94	1.55	21.49	<=33.01	Pass
			39	20.08	1.55	21.63	<=33.01	Pass
		75	0	20.06	1.55	21.61	<=33.01	Pass
	1902.5	1	0	22.23	1.55	23.78	<=33.01	Pass
			38	22.36	1.55	23.91	<=33.01	Pass
			74	22.41	1.55	23.96	<=33.01	Pass
		36	0	20.42	1.55	21.97	<=33.01	Pass
			18	20.47	1.55	22.02	<=33.01	Pass
			39	20.54	1.55	22.09	<=33.01	Pass
		75	0	20.46	1.55	22.01	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.6 B2_20MHz_EIRP

Band: 2 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1860	1	0	21.49	1.55	23.04	<=33.01	Pass
			50	21.58	1.55	23.13	<=33.01	Pass
			99	21.83	1.55	23.38	<=33.01	Pass
		50	0	20.52	1.55	22.07	<=33.01	Pass
			25	20.42	1.55	21.97	<=33.01	Pass
			50	20.65	1.55	22.20	<=33.01	Pass
		100	0	20.47	1.55	22.02	<=33.01	Pass
	1880	1	0	21.83	1.55	23.38	<=33.01	Pass
			50	22.02	1.55	23.57	<=33.01	Pass
			99	22.25	1.55	23.80	<=33.01	Pass
		50	0	20.85	1.55	22.40	<=33.01	Pass
			25	20.81	1.55	22.36	<=33.01	Pass
			50	20.97	1.55	22.52	<=33.01	Pass
		100	0	20.85	1.55	22.40	<=33.01	Pass
	1900	1	0	22.04	1.55	23.59	<=33.01	Pass
			50	22.18	1.55	23.73	<=33.01	Pass
			99	22.35	1.55	23.90	<=33.01	Pass
		50	0	21.15	1.55	22.70	<=33.01	Pass
			25	21.26	1.55	22.81	<=33.01	Pass
			50	21.35	1.55	22.90	<=33.01	Pass
		100	0	21.30	1.55	22.85	<=33.01	Pass
16QAM	1860	1	0	21.78	1.55	23.33	<=33.01	Pass
			50	21.77	1.55	23.32	<=33.01	Pass
			99	22.00	1.55	23.55	<=33.01	Pass
		50	0	19.54	1.55	21.09	<=33.01	Pass
			25	19.58	1.55	21.13	<=33.01	Pass
			50	19.75	1.55	21.30	<=33.01	Pass
		100	0	19.68	1.55	21.23	<=33.01	Pass
	1880	1	0	21.24	1.55	22.79	<=33.01	Pass
			50	21.35	1.55	22.90	<=33.01	Pass
			99	21.61	1.55	23.16	<=33.01	Pass
		50	0	19.95	1.55	21.50	<=33.01	Pass
			25	20.10	1.55	21.65	<=33.01	Pass
			50	20.21	1.55	21.76	<=33.01	Pass
		100	0	19.97	1.55	21.52	<=33.01	Pass
	1900	1	0	21.80	1.55	23.35	<=33.01	Pass
			50	21.93	1.55	23.48	<=33.01	Pass

			99	22.13	1.55	23.68	<=33.01	Pass
		50	0	20.38	1.55	21.93	<=33.01	Pass
			25	20.46	1.55	22.01	<=33.01	Pass
			50	20.60	1.55	22.15	<=33.01	Pass
		100	0	20.34	1.55	21.89	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B2_1.4MHz

Band: 2 / 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	1850.7	6	0	20	3.27	2.017	0.0011	-2.5 to 2.5	Pass
					3.85	-8.640	-0.0047	-2.5 to 2.5	Pass
					4.43	-9.384	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-5.679	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-14.620	-0.0079	-2.5 to 2.5	Pass
				-10	3.85	-9.785	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-7.882	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-0.458	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-10.715	-0.0058	-2.5 to 2.5	Pass
				50	3.85	4.091	0.0022	-2.5 to 2.5	Pass
	1880	6	0	20	3.27	4.735	0.0025	-2.5 to 2.5	Pass
					3.85	-9.241	-0.0049	-2.5 to 2.5	Pass
					4.43	4.048	0.0022	-2.5 to 2.5	Pass
				-30	3.85	4.506	0.0024	-2.5 to 2.5	Pass
				-20	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				-10	3.85	2.189	0.0012	-2.5 to 2.5	Pass
				0	3.85	1.631	0.0009	-2.5 to 2.5	Pass
				10	3.85	5.250	0.0028	-2.5 to 2.5	Pass
				30	3.85	3.262	0.0017	-2.5 to 2.5	Pass
				40	3.85	6.022	0.0032	-2.5 to 2.5	Pass
				50	3.85	1.988	0.0011	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	2.561	0.0013	-2.5 to 2.5	Pass
					3.85	-6.752	-0.0035	-2.5 to 2.5	Pass
					4.43	-7.997	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-1.302	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	-3.977	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-7.968	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-8.397	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-9.370	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-5.450	-0.0029	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.27	-2.146	-0.0012	-2.5 to 2.5	Pass
					3.85	-6.309	-0.0034	-2.5 to 2.5	Pass
					4.43	-8.669	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-7.267	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-10.586	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
				10	3.85	-1.659	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.974	-0.0011	-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	-0.944	-0.0005	-2.5 to 2.5	Pass
				50	3.85	1.159	0.0006	-2.5 to 2.5	Pass
	1880	6	0	20	3.27	-1.173	-0.0006	-2.5 to 2.5	Pass
					3.85	4.048	0.0022	-2.5 to 2.5	Pass
					4.43	1.731	0.0009	-2.5 to 2.5	Pass
				-30	3.85	3.777	0.0020	-2.5 to 2.5	Pass
				-20	3.85	1.173	0.0006	-2.5 to 2.5	Pass
				-10	3.85	3.777	0.0020	-2.5 to 2.5	Pass
				0	3.85	2.360	0.0013	-2.5 to 2.5	Pass
				10	3.85	1.974	0.0011	-2.5 to 2.5	Pass
				30	3.85	2.174	0.0012	-2.5 to 2.5	Pass
				40	3.85	1.774	0.0009	-2.5 to 2.5	Pass
				50	3.85	4.678	0.0025	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	-8.125	-0.0043	-2.5 to 2.5	Pass
					3.85	-4.663	-0.0024	-2.5 to 2.5	Pass
					4.43	-6.223	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-3.762	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-4.950	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-3.076	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-5.894	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-2.947	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-5.994	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-5.221	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-2.789	-0.0015	-2.5 to 2.5	Pass

2.1.2 B2_3MHz

Band: 2 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1851.5	15	0	20	3.27	-10.829	-0.0058	-2.5 to 2.5	Pass
					3.85	-4.678	-0.0025	-2.5 to 2.5	Pass
					4.43	-12.403	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-10.829	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-6.180	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-3.419	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-5.665	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-10.071	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-14.491	-0.0078	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	-0.043	0.0000	-2.5 to 2.5	Pass
					3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
					4.43	5.279	0.0028	-2.5 to 2.5	Pass
				-30	3.85	5.107	0.0027	-2.5 to 2.5	Pass
				-20	3.85	2.818	0.0015	-2.5 to 2.5	Pass
				-10	3.85	5.851	0.0031	-2.5 to 2.5	Pass
				0	3.85	2.575	0.0014	-2.5 to 2.5	Pass
				10	3.85	7.753	0.0041	-2.5 to 2.5	Pass
				30	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.731	-0.0009	-2.5 to 2.5	Pass
				50	3.85	0.944	0.0005	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	-13.461	-0.0071	-2.5 to 2.5	Pass
					3.85	2.561	0.0013	-2.5 to 2.5	Pass
					4.43	1.287	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.472	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.830	0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.386	-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

				30	3.85	0.944	0.0005	-2.5 to 2.5	Pass
				40	3.85	2.046	0.0011	-2.5 to 2.5	Pass
				50	3.85	0.343	0.0002	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	3.27	-1.445	-0.0008	-2.5 to 2.5	Pass
					3.85	1.144	0.0006	-2.5 to 2.5	Pass
					4.43	0.129	0.0001	-2.5 to 2.5	Pass
				-30	3.85	3.762	0.0020	-2.5 to 2.5	Pass
				-20	3.85	1.702	0.0009	-2.5 to 2.5	Pass
				-10	3.85	2.103	0.0011	-2.5 to 2.5	Pass
				0	3.85	1.359	0.0007	-2.5 to 2.5	Pass
				10	3.85	5.651	0.0031	-2.5 to 2.5	Pass
				30	3.85	3.362	0.0018	-2.5 to 2.5	Pass
				40	3.85	3.290	0.0018	-2.5 to 2.5	Pass
				50	3.85	2.446	0.0013	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	-0.243	-0.0001	-2.5 to 2.5	Pass
					3.85	3.490	0.0019	-2.5 to 2.5	Pass
					4.43	6.251	0.0033	-2.5 to 2.5	Pass
				-30	3.85	4.306	0.0023	-2.5 to 2.5	Pass
				-20	3.85	7.010	0.0037	-2.5 to 2.5	Pass
				-10	3.85	1.316	0.0007	-2.5 to 2.5	Pass
				0	3.85	7.710	0.0041	-2.5 to 2.5	Pass
				10	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				30	3.85	3.791	0.0020	-2.5 to 2.5	Pass
				40	3.85	5.980	0.0032	-2.5 to 2.5	Pass
				50	3.85	4.277	0.0023	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	6.309	0.0033	-2.5 to 2.5	Pass
					3.85	5.322	0.0028	-2.5 to 2.5	Pass
					4.43	4.320	0.0023	-2.5 to 2.5	Pass
				-30	3.85	8.655	0.0045	-2.5 to 2.5	Pass
				-20	3.85	5.994	0.0031	-2.5 to 2.5	Pass
				-10	3.85	2.532	0.0013	-2.5 to 2.5	Pass
				0	3.85	4.177	0.0022	-2.5 to 2.5	Pass
				10	3.85	3.304	0.0017	-2.5 to 2.5	Pass
				30	3.85	4.449	0.0023	-2.5 to 2.5	Pass
				40	3.85	7.153	0.0037	-2.5 to 2.5	Pass
				50	3.85	7.052	0.0037	-2.5 to 2.5	Pass

2.1.3 B2_5MHz

Band: 2 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1852.5	25	0	20	3.27	-3.147	-0.0017	-2.5 to 2.5	Pass
					3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
					4.43	-6.695	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-6.351	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	6.065	0.0033	-2.5 to 2.5	Pass
				-10	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				0	3.85	-1.473	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-1.845	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-3.963	-0.0021	-2.5 to 2.5	Pass
				40	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				50	3.85	1.745	0.0009	-2.5 to 2.5	Pass
	1880	25	0	20	3.27	1.202	0.0006	-2.5 to 2.5	Pass
					3.85	-13.103	-0.0070	-2.5 to 2.5	Pass
					4.43	1.388	0.0007	-2.5 to 2.5	Pass
				-30	3.85	2.933	0.0016	-2.5 to 2.5	Pass
				-20	3.85	2.289	0.0012	-2.5 to 2.5	Pass
				-10	3.85	1.931	0.0010	-2.5 to 2.5	Pass
				0	3.85	4.106	0.0022	-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	3.762	0.0020	-2.5 to 2.5	Pass
				30	3.85	4.034	0.0021	-2.5 to 2.5	Pass
				40	3.85	4.463	0.0024	-2.5 to 2.5	Pass
				50	3.85	2.890	0.0015	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.27	-3.018	-0.0016	-2.5 to 2.5	Pass
					3.85	-3.176	-0.0017	-2.5 to 2.5	Pass
					4.43	-0.958	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-6.194	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-2.975	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-6.022	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-3.533	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-2.275	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-4.206	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-5.078	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-3.347	-0.0018	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	3.27	-1.273	-0.0007	-2.5 to 2.5	Pass
					3.85	2.403	0.0013	-2.5 to 2.5	Pass
					4.43	2.074	0.0011	-2.5 to 2.5	Pass
				-30	3.85	1.330	0.0007	-2.5 to 2.5	Pass
				-20	3.85	2.189	0.0012	-2.5 to 2.5	Pass
				-10	3.85	2.589	0.0014	-2.5 to 2.5	Pass
				0	3.85	2.217	0.0012	-2.5 to 2.5	Pass
				10	3.85	3.376	0.0018	-2.5 to 2.5	Pass
				30	3.85	3.304	0.0018	-2.5 to 2.5	Pass
				40	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.644	-0.0003	-2.5 to 2.5	Pass
	1880	25	0	20	3.27	0.772	0.0004	-2.5 to 2.5	Pass
					3.85	6.180	0.0033	-2.5 to 2.5	Pass
					4.43	2.918	0.0016	-2.5 to 2.5	Pass
				-30	3.85	5.693	0.0030	-2.5 to 2.5	Pass
				-20	3.85	2.718	0.0014	-2.5 to 2.5	Pass
				-10	3.85	4.435	0.0024	-2.5 to 2.5	Pass
				0	3.85	2.904	0.0015	-2.5 to 2.5	Pass
				10	3.85	1.130	0.0006	-2.5 to 2.5	Pass
				30	3.85	2.589	0.0014	-2.5 to 2.5	Pass
				40	3.85	4.721	0.0025	-2.5 to 2.5	Pass
				50	3.85	3.304	0.0018	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.27	0.086	0.0000	-2.5 to 2.5	Pass
					3.85	1.230	0.0006	-2.5 to 2.5	Pass
					4.43	1.760	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				-20	3.85	2.804	0.0015	-2.5 to 2.5	Pass
				-10	3.85	2.174	0.0011	-2.5 to 2.5	Pass
				0	3.85	1.030	0.0005	-2.5 to 2.5	Pass
				10	3.85	3.591	0.0019	-2.5 to 2.5	Pass
				30	3.85	2.360	0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.472	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.801	-0.0004	-2.5 to 2.5	Pass

2.1.4 B2_10MHz

Band: 2 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1855	50	0	20	3.27	-9.127	-0.0049	-2.5 to 2.5	Pass
					3.85	-3.748	-0.0020	-2.5 to 2.5	Pass
					4.43	-8.383	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	3.033	0.0016	-2.5 to 2.5	Pass
				-20	3.85	-3.977	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-3.633	-0.0020	-2.5 to 2.5	Pass

				0	3.85	-2.432	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-3.290	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-3.576	-0.0019	-2.5 to 2.5	Pass
				40	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				50	3.85	-7.281	-0.0039	-2.5 to 2.5	Pass
	1880	50	0	20	3.27	1.760	0.0009	-2.5 to 2.5	Pass
					3.85	-1.731	-0.0009	-2.5 to 2.5	Pass
					4.43	-11.201	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	2.403	0.0013	-2.5 to 2.5	Pass
				-20	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-3.648	-0.0019	-2.5 to 2.5	Pass
				0	3.85	3.190	0.0017	-2.5 to 2.5	Pass
				10	3.85	2.232	0.0012	-2.5 to 2.5	Pass
				30	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				40	3.85	3.877	0.0021	-2.5 to 2.5	Pass
				50	3.85	1.073	0.0006	-2.5 to 2.5	Pass
	1905	50	0	20	3.27	1.388	0.0007	-2.5 to 2.5	Pass
					3.85	-3.920	-0.0021	-2.5 to 2.5	Pass
					4.43	-11.916	-0.0063	-2.5 to 2.5	Pass
				-30	3.85	-10.972	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-8.812	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-9.127	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-8.841	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-10.958	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-8.197	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-6.466	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-9.069	-0.0048	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	3.27	-11.516	-0.0062	-2.5 to 2.5	Pass
					3.85	-7.696	-0.0041	-2.5 to 2.5	Pass
					4.43	-4.463	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-5.522	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-9.127	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-8.655	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-6.766	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-9.584	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-7.339	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-6.552	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-8.740	-0.0047	-2.5 to 2.5	Pass
	1880	50	0	20	3.27	2.332	0.0012	-2.5 to 2.5	Pass
					3.85	2.604	0.0014	-2.5 to 2.5	Pass
					4.43	3.319	0.0018	-2.5 to 2.5	Pass
				-30	3.85	1.702	0.0009	-2.5 to 2.5	Pass
				-20	3.85	4.249	0.0023	-2.5 to 2.5	Pass
				-10	3.85	2.217	0.0012	-2.5 to 2.5	Pass
				0	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				10	3.85	1.187	0.0006	-2.5 to 2.5	Pass
				30	3.85	1.717	0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				50	3.85	2.360	0.0013	-2.5 to 2.5	Pass
	1905	50	0	20	3.27	-6.766	-0.0036	-2.5 to 2.5	Pass
					3.85	-2.675	-0.0014	-2.5 to 2.5	Pass
					4.43	-1.988	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-2.260	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-2.089	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-3.362	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-4.964	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-4.578	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-6.366	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-3.047	-0.0016	-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 B2_15MHz

Band: 2 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1857.5	75	0	20	3.27	-9.456	-0.0051	-2.5 to 2.5	Pass
					3.85	-13.003	-0.0070	-2.5 to 2.5	Pass
					4.43	-8.769	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-4.120	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-2.904	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-10.257	-0.0055	-2.5 to 2.5	Pass
				10	3.85	4.449	0.0024	-2.5 to 2.5	Pass
				30	3.85	7.052	0.0038	-2.5 to 2.5	Pass
				40	3.85	-2.046	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-7.052	-0.0038	-2.5 to 2.5	Pass
	1880	75	0	20	3.27	-7.310	-0.0039	-2.5 to 2.5	Pass
					3.85	2.475	0.0013	-2.5 to 2.5	Pass
					4.43	-0.873	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.629	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	2.160	0.0011	-2.5 to 2.5	Pass
				0	3.85	2.060	0.0011	-2.5 to 2.5	Pass
				10	3.85	-3.333	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-7.524	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-6.280	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-11.530	-0.0061	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.27	-0.930	-0.0005	-2.5 to 2.5	Pass
					3.85	-8.826	-0.0046	-2.5 to 2.5	Pass
					4.43	-9.642	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-10.185	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-9.441	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-10.157	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-12.460	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-4.563	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-8.512	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-6.137	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-2.518	-0.0013	-2.5 to 2.5	Pass
16QAM	1857.5	75	0	20	3.27	-8.597	-0.0046	-2.5 to 2.5	Pass
					3.85	-7.081	-0.0038	-2.5 to 2.5	Pass
					4.43	-4.835	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-1.845	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-3.448	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-4.635	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-5.836	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-3.791	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-2.689	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-3.848	-0.0021	-2.5 to 2.5	Pass
				50	3.85	2.947	0.0016	-2.5 to 2.5	Pass
	1880	75	0	20	3.27	-11.101	-0.0059	-2.5 to 2.5	Pass
					3.85	-7.095	-0.0038	-2.5 to 2.5	Pass
					4.43	-3.662	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-5.007	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-6.337	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-5.708	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-8.512	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-6.323	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-17.624	-0.0094	-2.5 to 2.5	Pass
				40	3.85	-7.639	-0.0041	-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	-8.326	-0.0044	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.27	-10.529	-0.0055	-2.5 to 2.5	Pass
					3.85	-10.500	-0.0055	-2.5 to 2.5	Pass
					4.43	-6.208	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-5.593	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-6.323	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-8.297	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-7.825	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-10.443	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-9.413	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-8.254	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-7.281	-0.0038	-2.5 to 2.5	Pass

2.1.6 B2_20MHz

Band: 2 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1860	100	0	20	3.27	3.147	0.0017	-2.5 to 2.5	Pass
					3.85	-12.546	-0.0067	-2.5 to 2.5	Pass
					4.43	1.731	0.0009	-2.5 to 2.5	Pass
				-30	3.85	-8.097	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	2.360	0.0013	-2.5 to 2.5	Pass
				-10	3.85	3.419	0.0018	-2.5 to 2.5	Pass
				0	3.85	-6.981	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-5.021	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-3.462	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
	1880	100	0	20	3.27	-1.802	-0.0010	-2.5 to 2.5	Pass
					3.85	-9.427	-0.0050	-2.5 to 2.5	Pass
					4.43	-1.574	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-2.832	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-2.604	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-6.495	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-4.520	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-3.977	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-7.296	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-6.824	-0.0036	-2.5 to 2.5	Pass
	1900	100	0	20	3.27	2.832	0.0015	-2.5 to 2.5	Pass
					3.85	0.501	0.0003	-2.5 to 2.5	Pass
					4.43	0.343	0.0002	-2.5 to 2.5	Pass
				-30	3.85	1.273	0.0007	-2.5 to 2.5	Pass
				-20	3.85	1.359	0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.760	-0.0009	-2.5 to 2.5	Pass
				0	3.85	2.775	0.0015	-2.5 to 2.5	Pass
				10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				30	3.85	1.574	0.0008	-2.5 to 2.5	Pass
				40	3.85	3.047	0.0016	-2.5 to 2.5	Pass
				50	3.85	-1.931	-0.0010	-2.5 to 2.5	Pass
16QAM	1860	100	0	20	3.27	-0.429	-0.0002	-2.5 to 2.5	Pass
					3.85	-3.047	-0.0016	-2.5 to 2.5	Pass
					4.43	0.229	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-2.017	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-0.787	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-1.287	-0.0007	-2.5 to 2.5	Pass
				30	3.85	3.119	0.0017	-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	-0.629	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
	1880	100	0	20	3.27	-10.185	-0.0054	-2.5 to 2.5	Pass
					3.85	-3.848	-0.0020	-2.5 to 2.5	Pass
					4.43	0.186	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-3.176	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-6.809	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-2.174	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-2.103	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-10.071	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-6.051	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-2.775	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-3.505	-0.0019	-2.5 to 2.5	Pass
	1900	100	0	20	3.27	0.243	0.0001	-2.5 to 2.5	Pass
					3.85	-2.775	-0.0015	-2.5 to 2.5	Pass
					4.43	2.761	0.0015	-2.5 to 2.5	Pass
				-30	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	4.606	0.0024	-2.5 to 2.5	Pass
				-10	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				0	3.85	1.688	0.0009	-2.5 to 2.5	Pass
				10	3.85	1.173	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				40	3.85	-3.891	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B2_1.4MHz

Band: 2 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1880	6	0	Refer To Test Graph		Pass
16QAM	1880	6	0	Refer To Test Graph		Pass

3.1.2 B2_3MHz

Band: 2 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1880	15	0	Refer To Test Graph		Pass
16QAM	1880	15	0	Refer To Test Graph		Pass

3.1.3 B2_5MHz

Band: 2 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1880	25	0	Refer To Test Graph		Pass
16QAM	1880	25	0	Refer To Test Graph		Pass

3.1.4 B2_10MHz

Band: 2 / Bandwidth: 10MHz / NTNV				
Modulation	Frequency	RB Allocation	Modulation Characteristics	Verdict

	(MHz)	Size	Offset	Result	Limit	
QPSK	1880	50	0	Refer To Test Graph		Pass
16QAM	1880	50	0	Refer To Test Graph		Pass

3.1.5 B2_15MHz

Band: 2 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1880	75	0	Refer To Test Graph		Pass
16QAM	1880	75	0	Refer To Test Graph		Pass

3.1.6 B2_20MHz

Band: 2 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1880	100	0	Refer To Test Graph		Pass
16QAM	1880	100	0	Refer To Test Graph		Pass

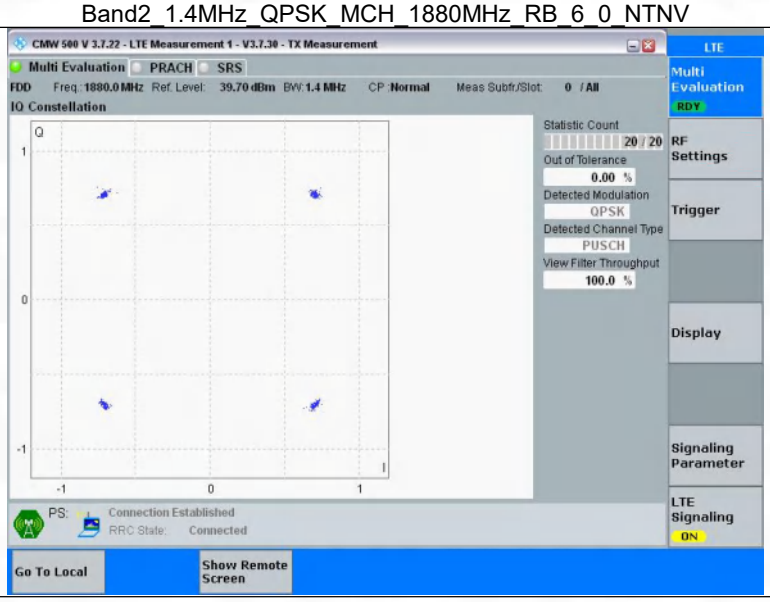
Total or partial reproduction of this document without permission of the Laboratory is not allowed.

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

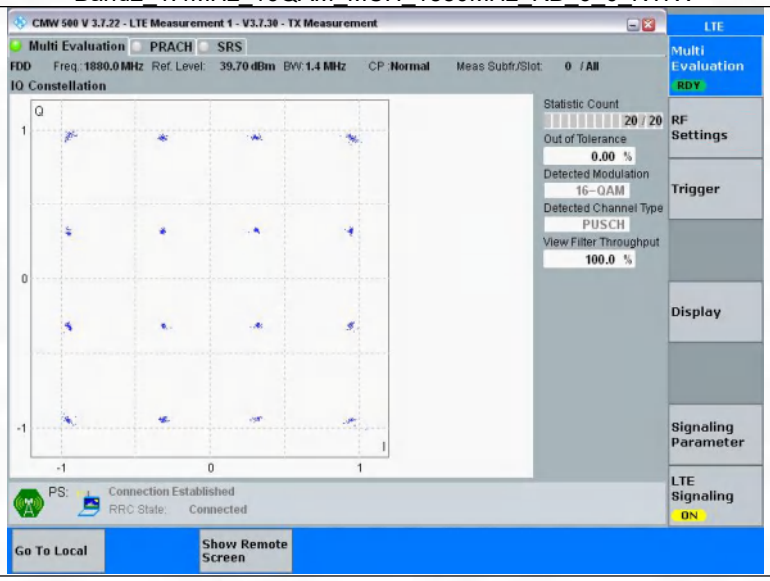
3.2 Test Graph

3.2.1 B2_1.4MHz

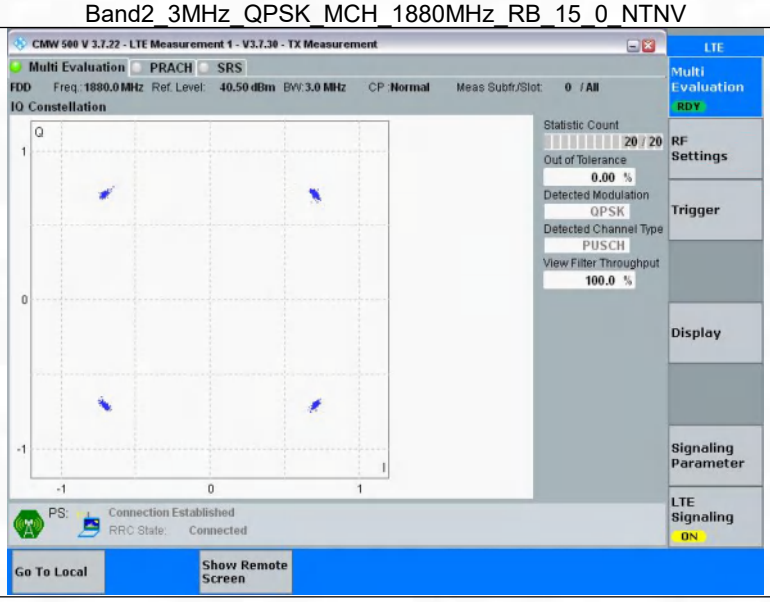
Band2_1.4MHz_QPSK_MCH_1880MHz_RB_6_0_NTNV

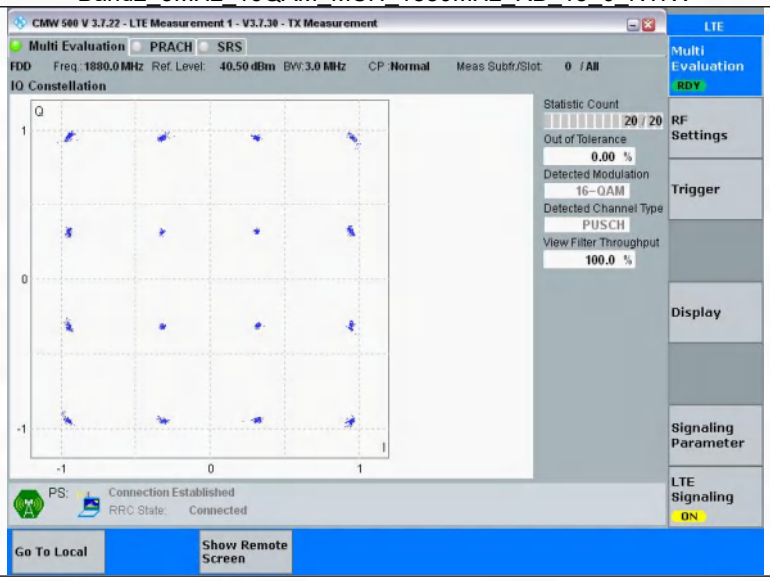


Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV

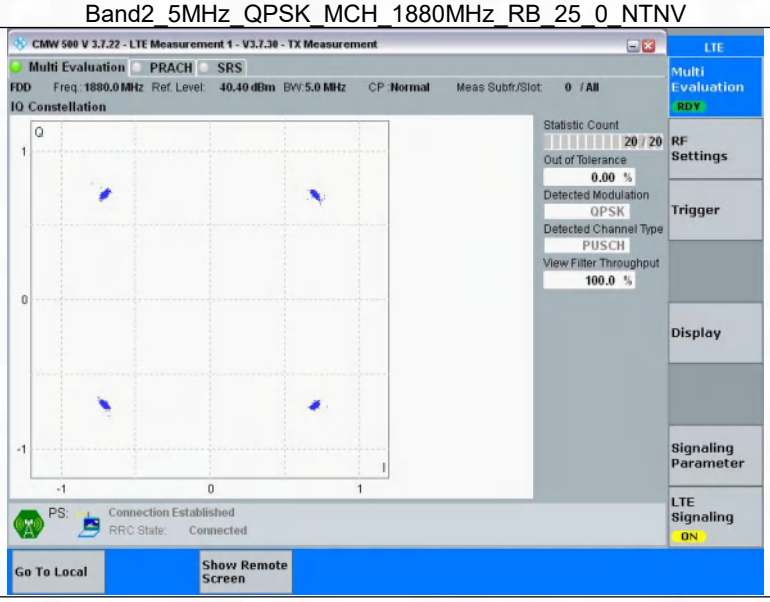


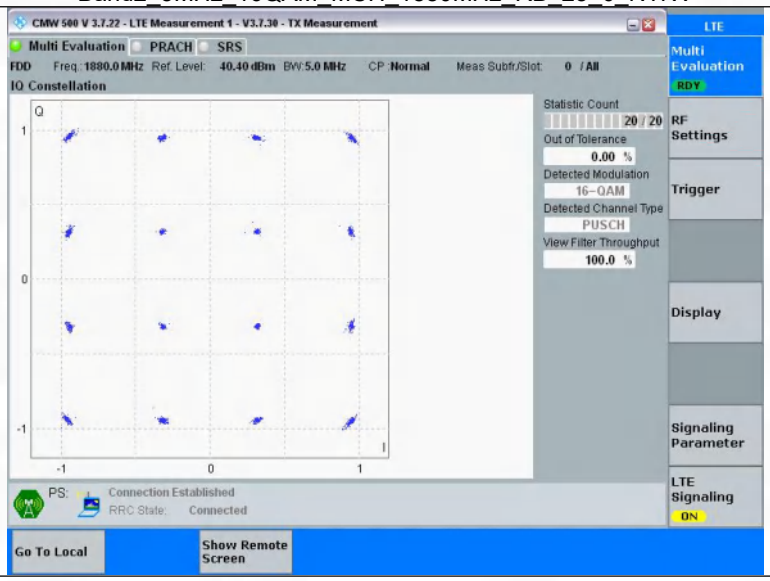
3.2.2 B2_3MHz

Band2_3MHz_QPSK_MCH_1880MHz_RB_15_0_NTNV


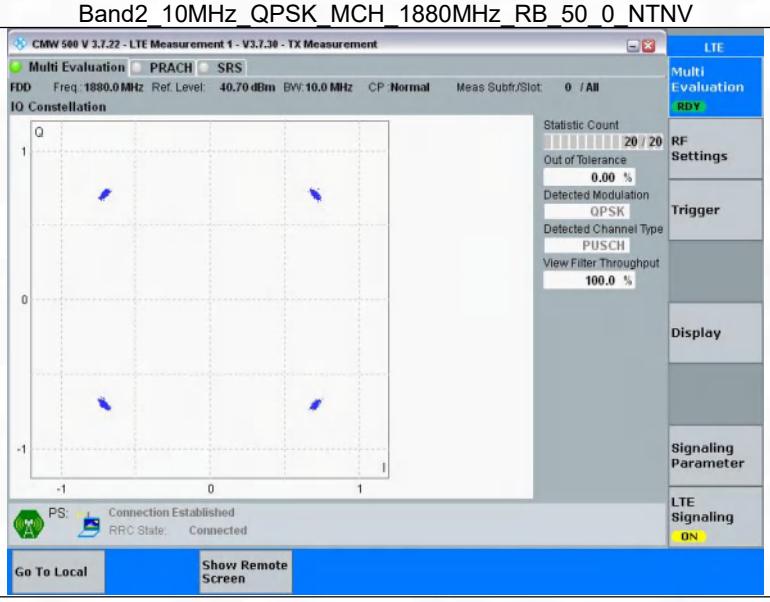
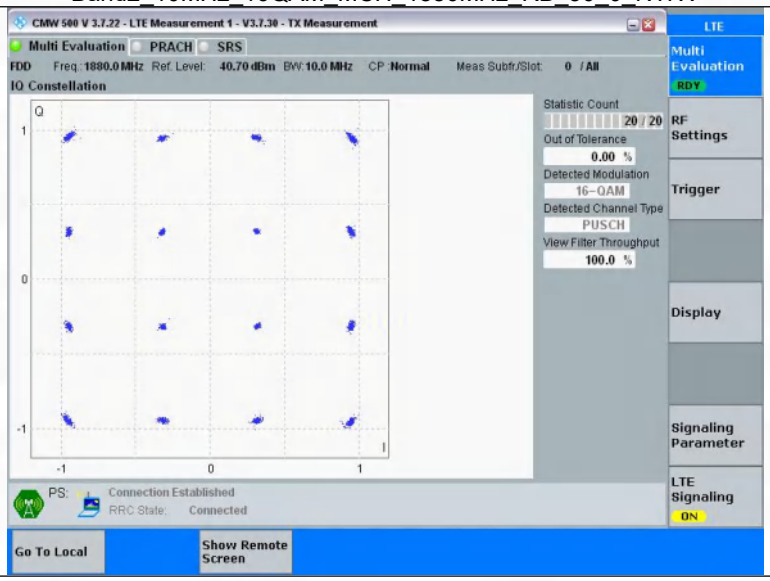
Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV


3.2.3 B2_5MHz

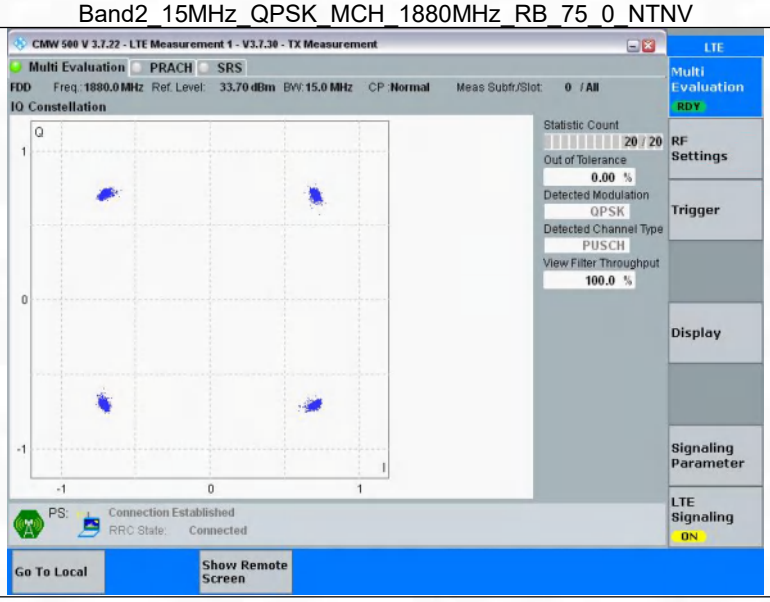
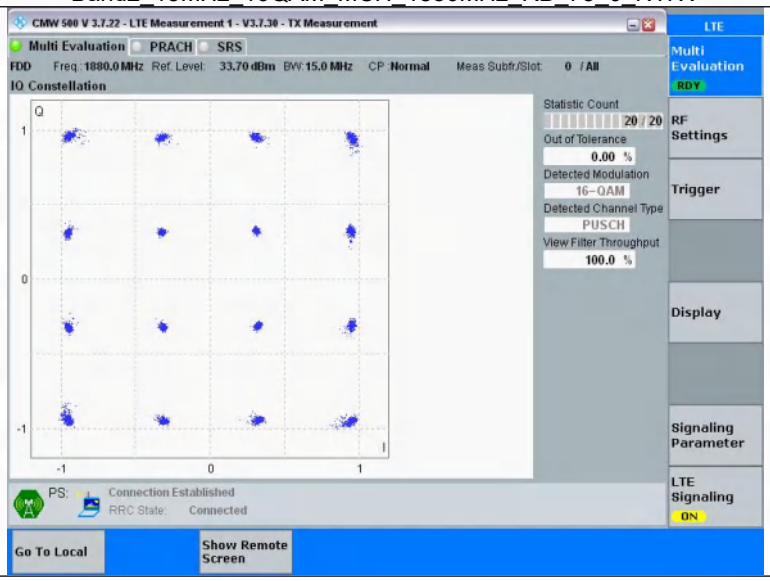
Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV


Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV


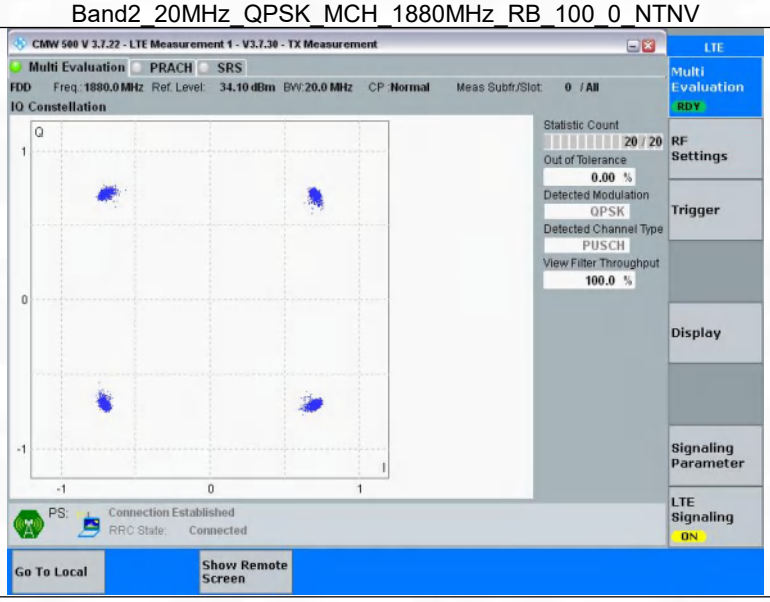
3.2.4 B2_10MHz

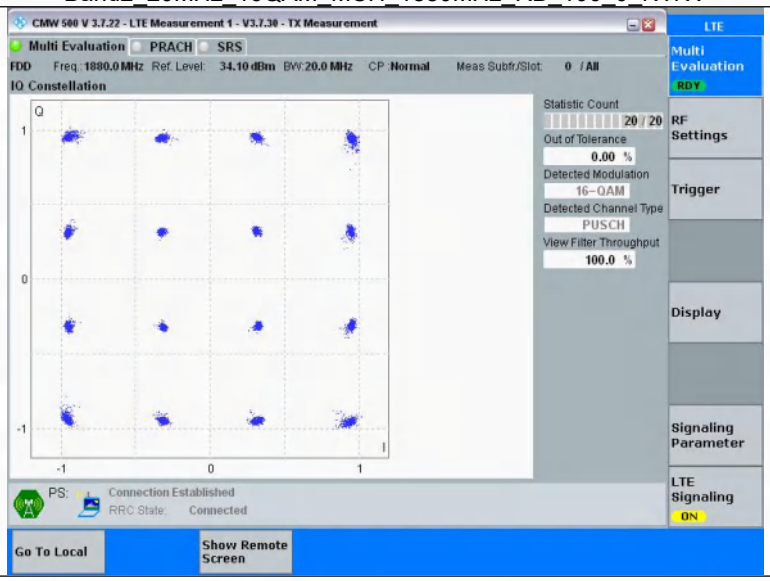
Band2_10MHz_QPSK_MCH_1880MHz_RB_50_0_NTNV

Band2_10MHz_16QAM_MCH_1880MHz_RB_50_0_NTNV


3.2.5 B2_15MHz

Band2_15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV

Band2_15MHz_16QAM_MCH_1880MHz_RB_75_0_NTNV


3.2.6 B2_20MHz

Band2_20MHz_QPSK_MCH_1880MHz_RB_100_0_NTNV


Band2_20MHz_16QAM_MCH_1880MHz_RB_100_0_NTNV


4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band2_OBW

Band: 2 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.120	/	Pass
		1880	6	0	1.112	/	Pass
		1909.3	6	0	1.112	/	Pass
	16QAM	1850.7	6	0	1.117	/	Pass
		1880	6	0	1.113	/	Pass
		1909.3	6	0	1.120	/	Pass
3	QPSK	1851.5	15	0	2.757	/	Pass
		1880	15	0	2.754	/	Pass
		1908.5	15	0	2.771	/	Pass
	16QAM	1851.5	15	0	2.769	/	Pass
		1880	15	0	2.751	/	Pass
		1908.5	15	0	2.778	/	Pass
5	QPSK	1852.5	25	0	4.549	/	Pass
		1880	25	0	4.535	/	Pass
		1907.5	25	0	4.569	/	Pass
	16QAM	1852.5	25	0	4.572	/	Pass
		1880	25	0	4.570	/	Pass
		1907.5	25	0	4.538	/	Pass
10	QPSK	1855	50	0	9.061	/	Pass
		1880	50	0	9.069	/	Pass
		1905	50	0	9.067	/	Pass
	16QAM	1855	50	0	9.037	/	Pass
		1880	50	0	9.052	/	Pass
		1905	50	0	9.079	/	Pass
15	QPSK	1857.5	75	0	13.615	/	Pass
		1880	75	0	13.620	/	Pass
		1902.5	75	0	13.621	/	Pass
	16QAM	1857.5	75	0	13.611	/	Pass
		1880	75	0	13.668	/	Pass
		1902.5	75	0	13.585	/	Pass
20	QPSK	1860	100	0	18.118	/	Pass
		1880	100	0	18.182	/	Pass
		1900	100	0	18.166	/	Pass
	16QAM	1860	100	0	18.126	/	Pass
		1880	100	0	18.196	/	Pass
		1900	100	0	18.143	/	Pass

4.1.2 Band2_XDB

Band: 2 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.269	/	Pass
		1880	6	0	1.268	/	Pass
		1909.3	6	0	1.274	/	Pass
	16QAM	1850.7	6	0	1.277	/	Pass
		1880	6	0	1.271	/	Pass
		1909.3	6	0	1.278	/	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	1851.5	15	0	3.097	/	Pass
		1880	15	0	3.098	/	Pass
		1908.5	15	0	3.116	/	Pass
	16QAM	1851.5	15	0	3.109	/	Pass
		1880	15	0	3.098	/	Pass
		1908.5	15	0	3.100	/	Pass
5	QPSK	1852.5	25	0	5.036	/	Pass
		1880	25	0	5.054	/	Pass
		1907.5	25	0	5.060	/	Pass
	16QAM	1852.5	25	0	5.067	/	Pass
		1880	25	0	5.073	/	Pass
		1907.5	25	0	5.063	/	Pass
10	QPSK	1855	50	0	10.083	/	Pass
		1880	50	0	9.987	/	Pass
		1905	50	0	10.025	/	Pass
	16QAM	1855	50	0	9.984	/	Pass
		1880	50	0	10.017	/	Pass
		1905	50	0	10.091	/	Pass
15	QPSK	1857.5	75	0	15.200	/	Pass
		1880	75	0	15.120	/	Pass
		1902.5	75	0	15.212	/	Pass
	16QAM	1857.5	75	0	15.170	/	Pass
		1880	75	0	15.258	/	Pass
		1902.5	75	0	15.144	/	Pass
20	QPSK	1860	100	0	20.063	/	Pass
		1880	100	0	19.967	/	Pass
		1900	100	0	20.032	/	Pass
	16QAM	1860	100	0	19.937	/	Pass
		1880	100	0	19.945	/	Pass
		1900	100	0	20.085	/	Pass

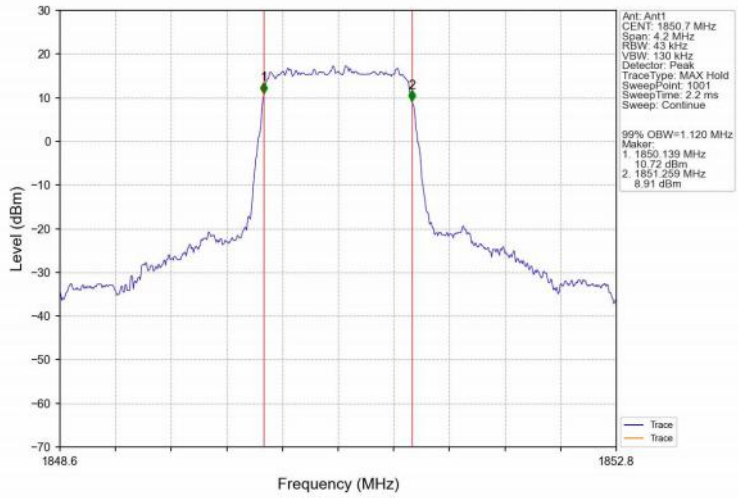
Total or partial reproduction of this document without permission of the Laboratory is not allowed.

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

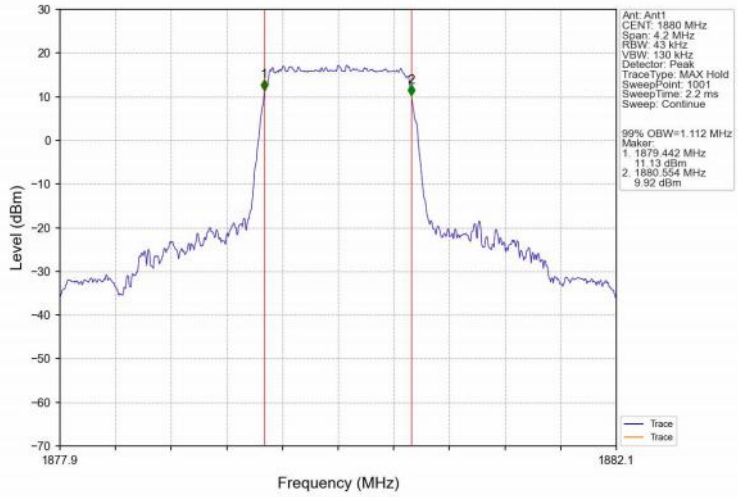
4.2 Test Graph

4.2.1 Band2_OBW

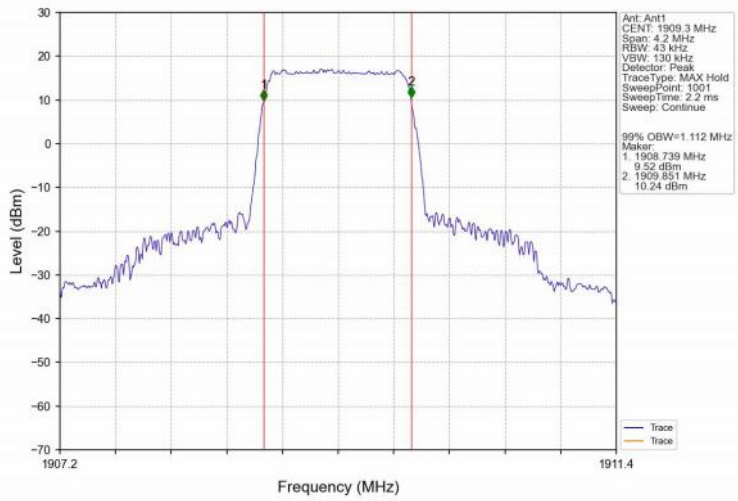
Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV



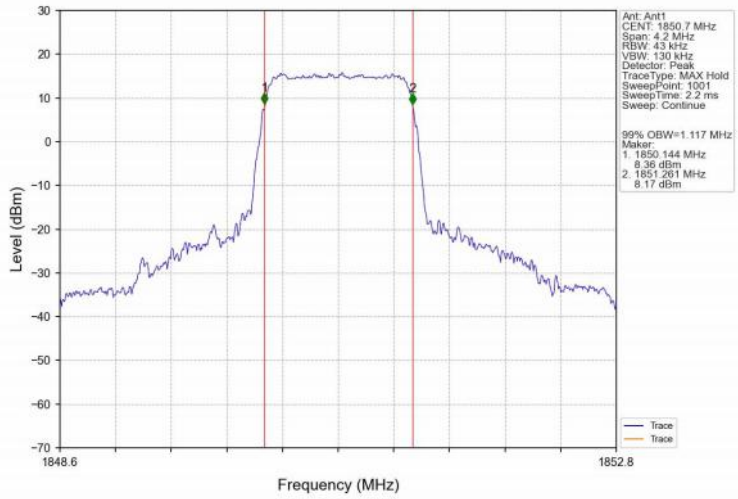
Band2_1.4MHz_QPSK_MCH_1880MHz_RB_6_0_NTNV



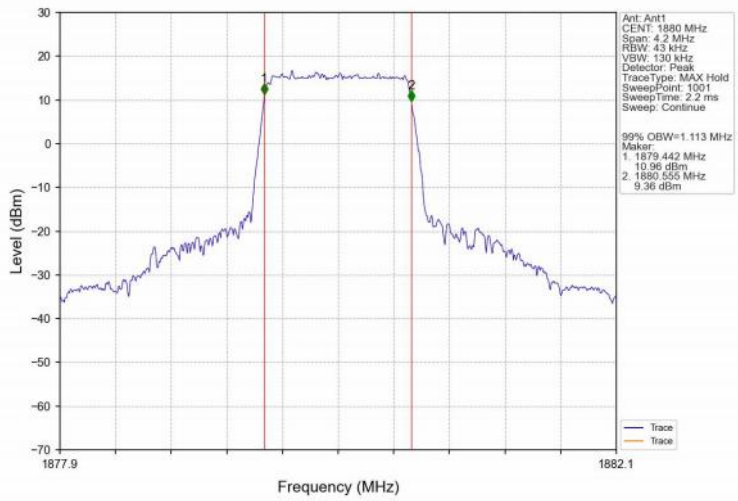
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



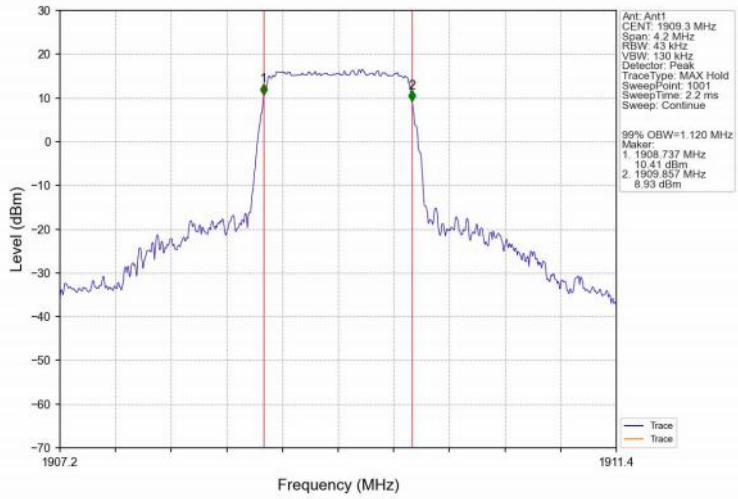
Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



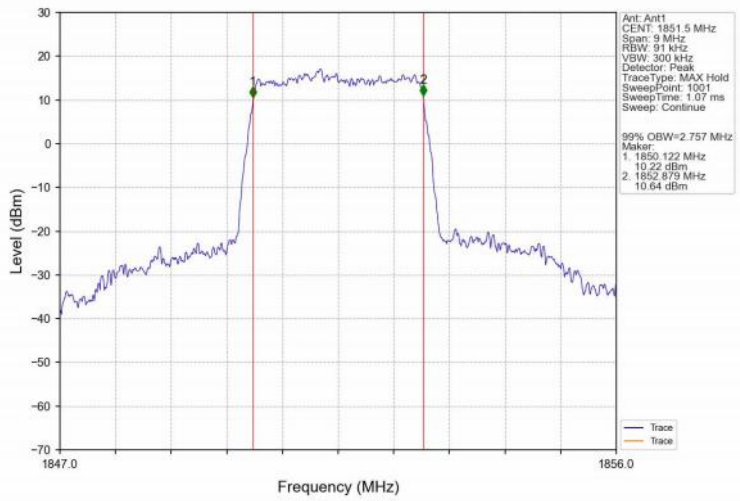
Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV



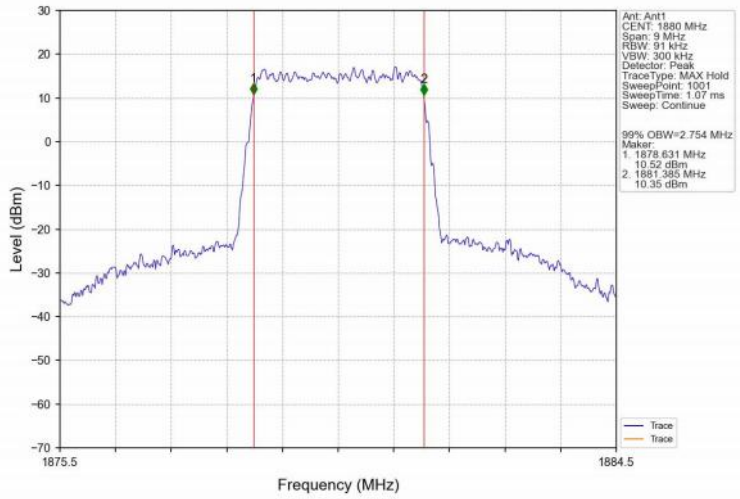
Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV



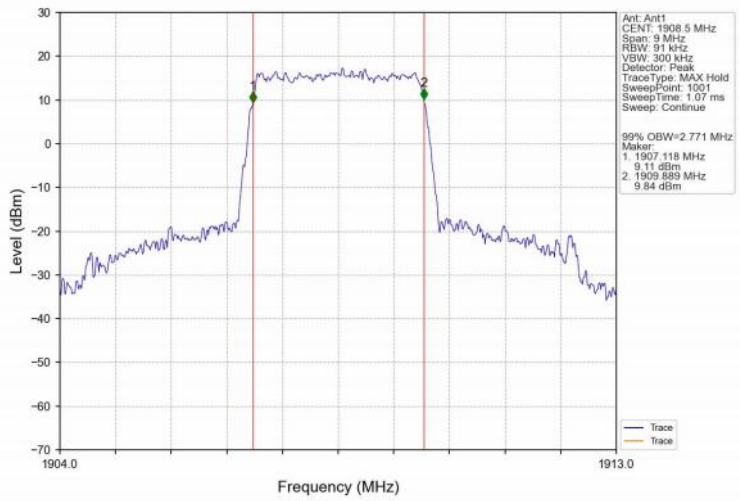
Band2_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



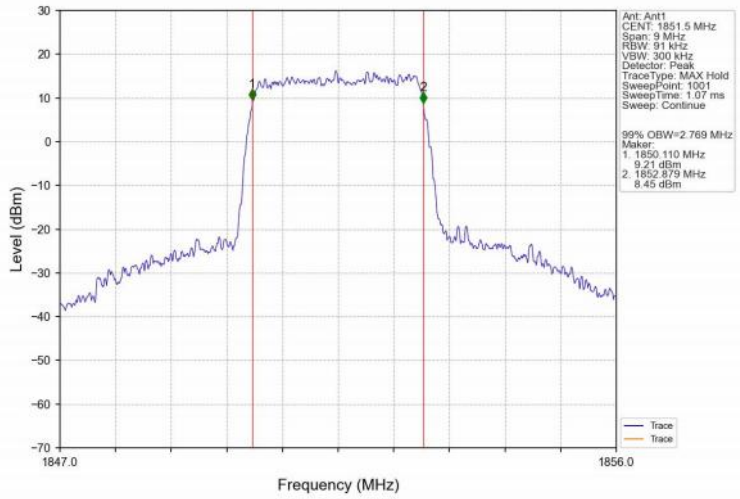
Band2_3MHz_QPSK_MCH_1880MHz_RB_15_0_NTNV



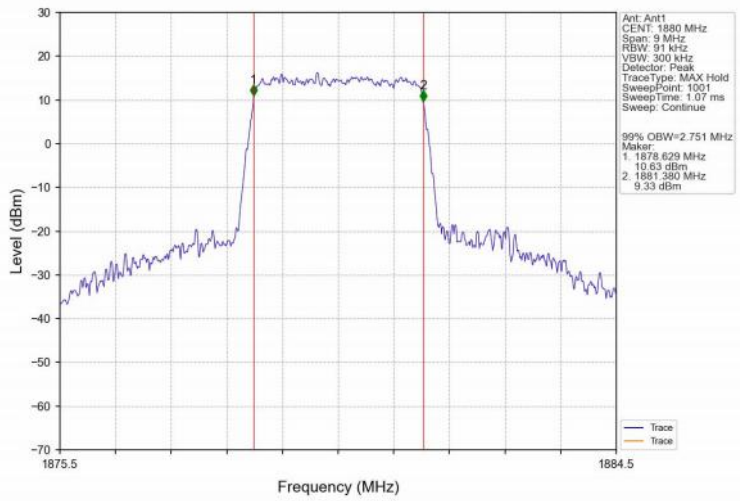
Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



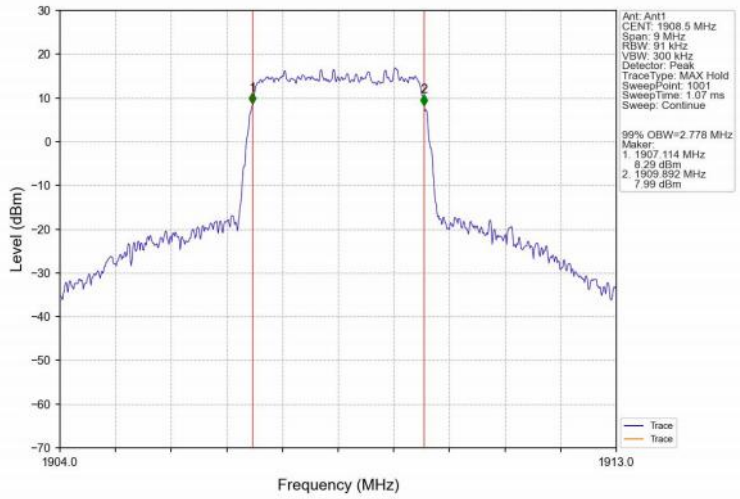
Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



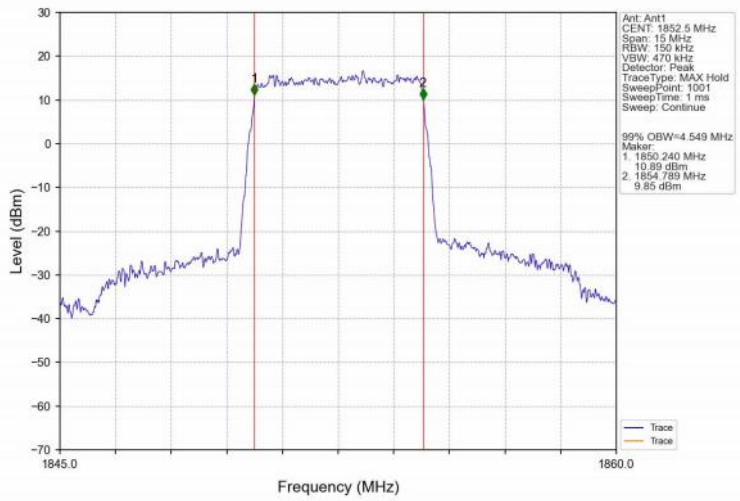
Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV



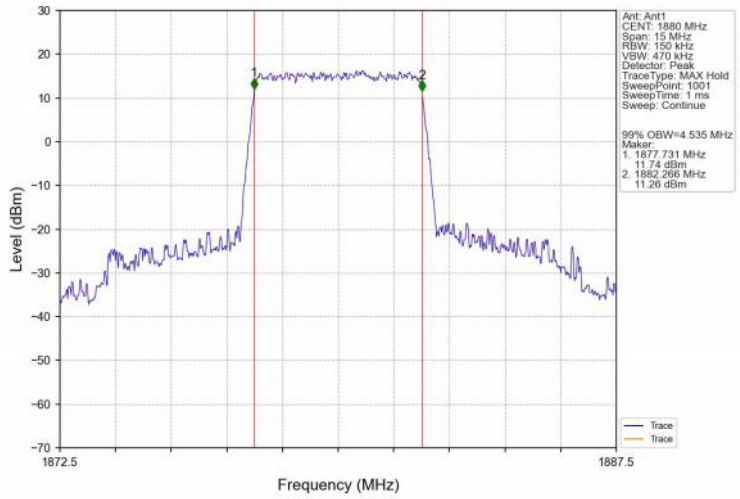
Band2_3MHz_16QAM_HCH_1908.5MHz_RB_15_0_NTNV



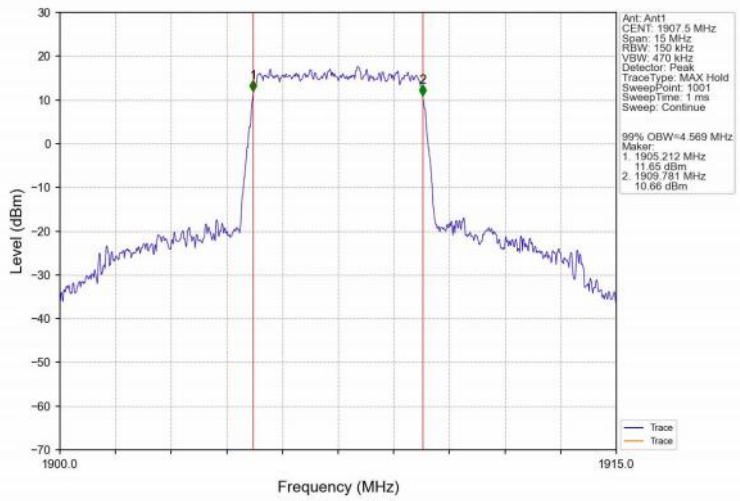
Band2_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



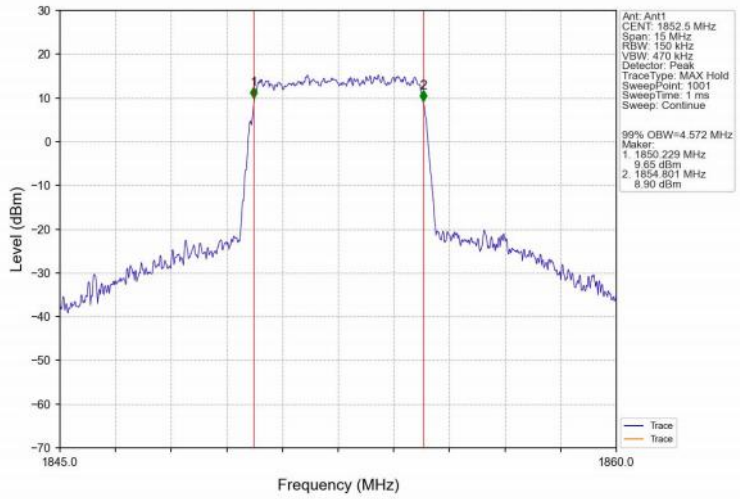
Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV



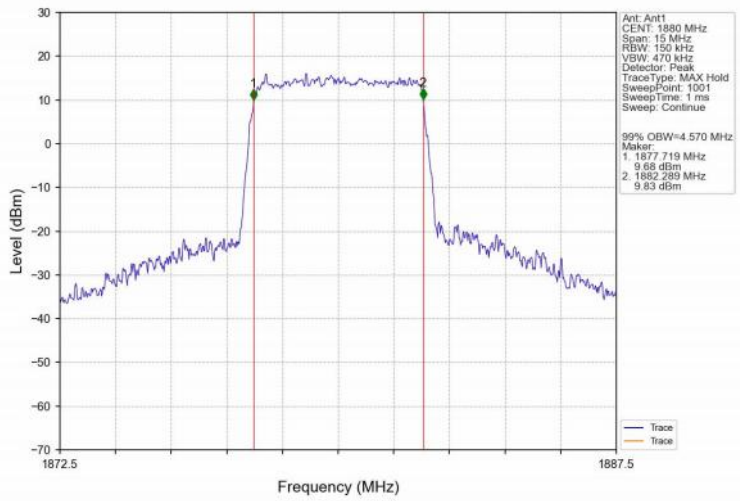
Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



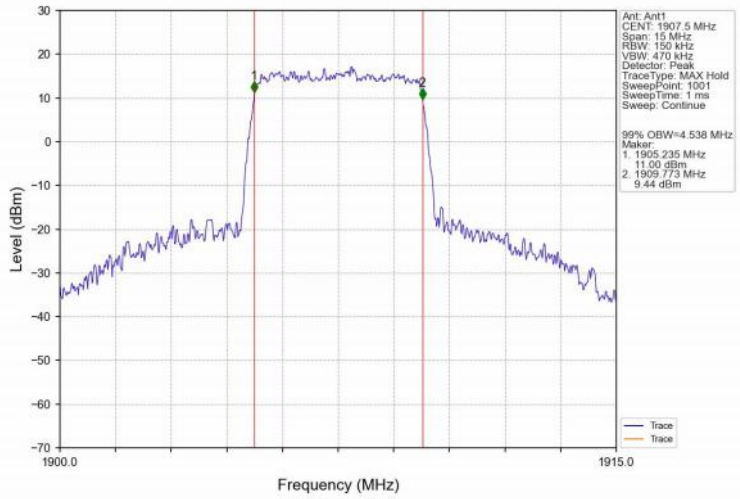
Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



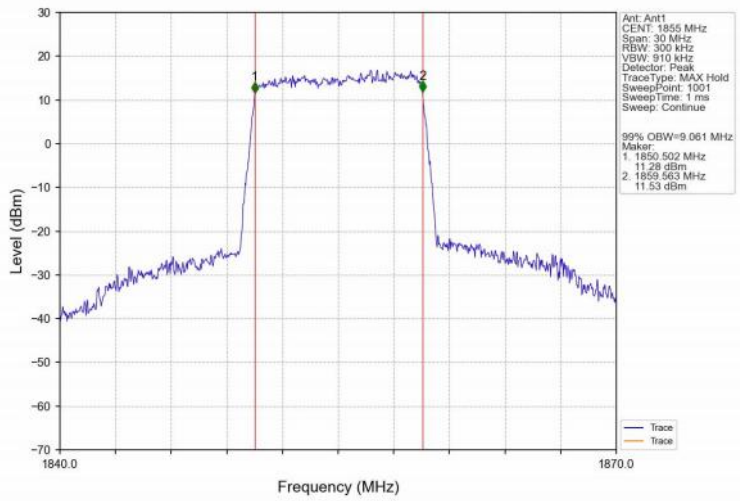
Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV



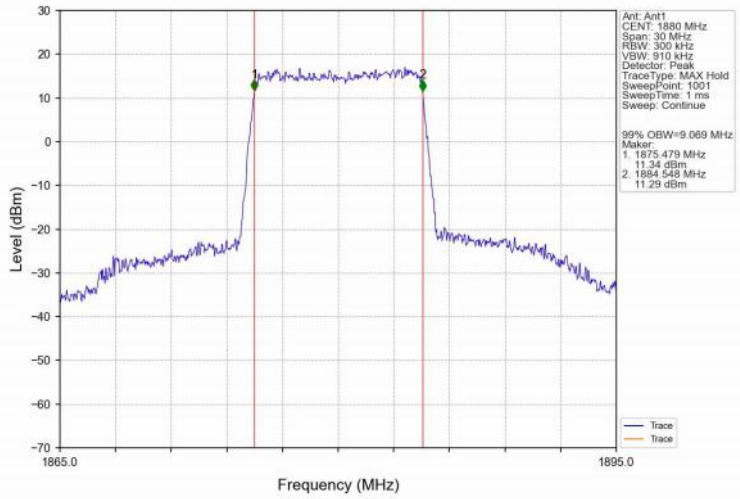
Band2_5MHz_16QAM_HCH_1907.5MHz_RB_25_0_NTNV



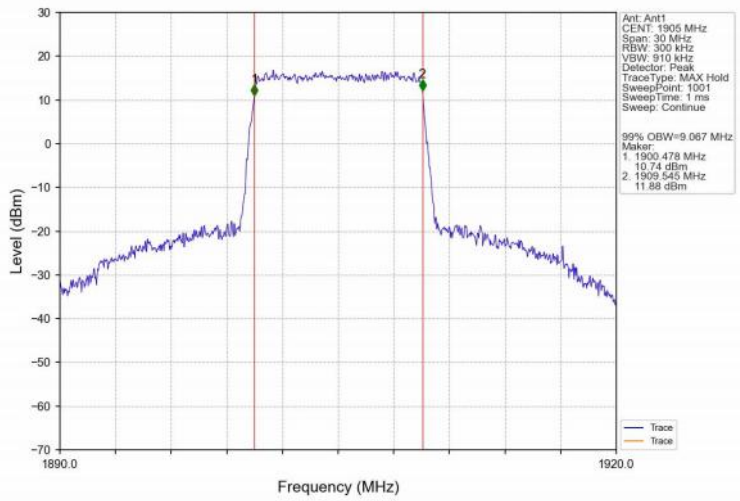
Band2_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



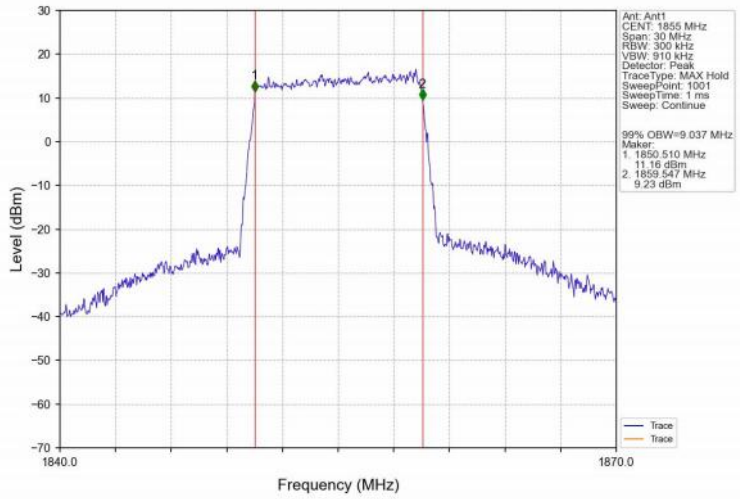
Band2_10MHz_QPSK_MCH_1880MHz_RB_50_0_NTNV



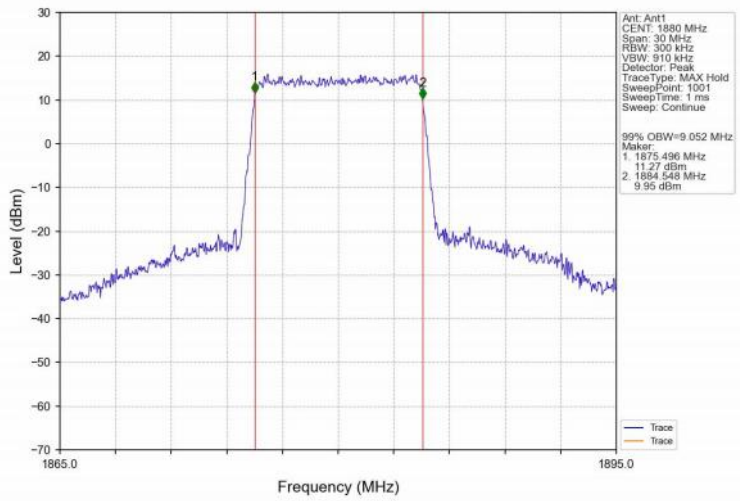
Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



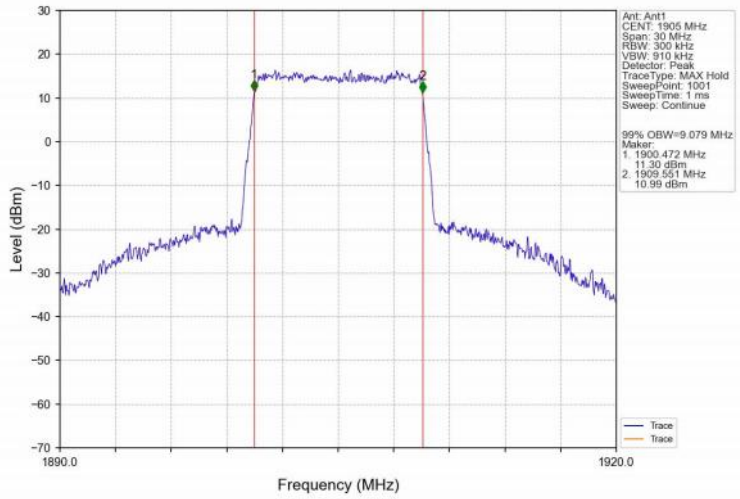
Band2_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV



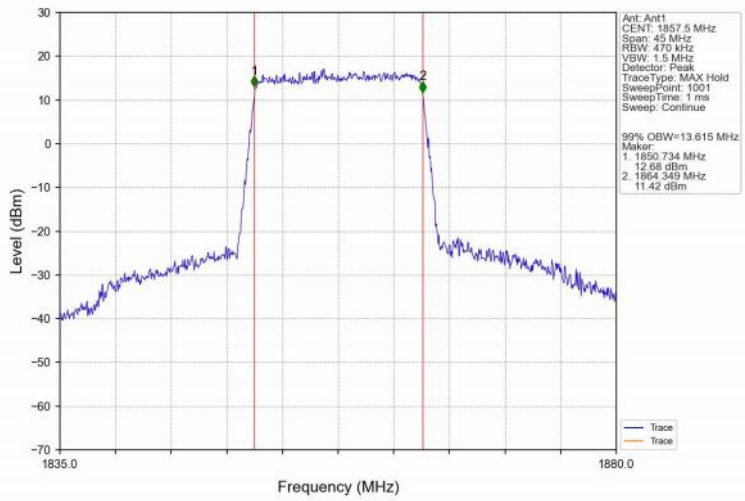
Band2_10MHz_16QAM_MCH_1880MHz_RB_50_0_NTNV



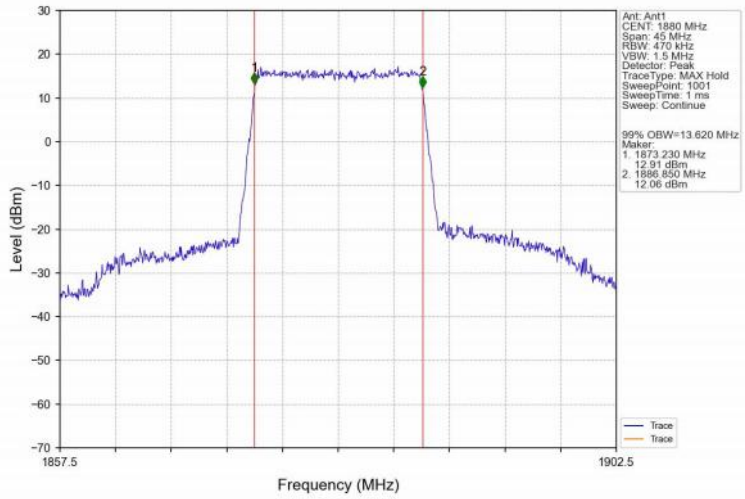
Band2_10MHz_16QAM_HCH_1905MHz_RB_50_0_NTNV



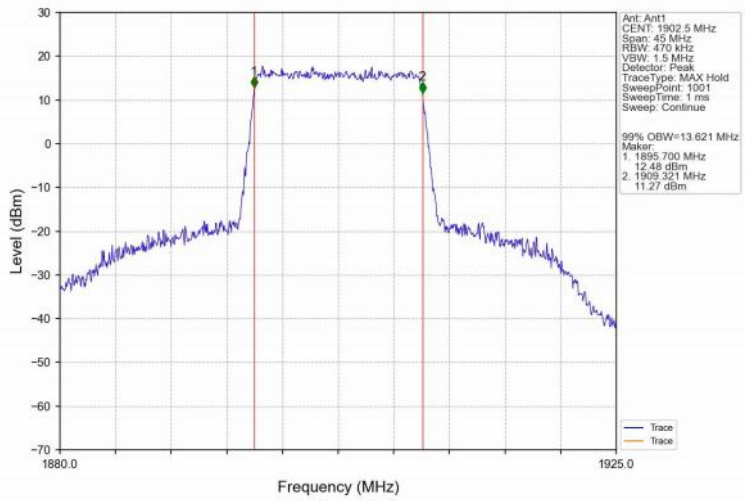
Band2_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



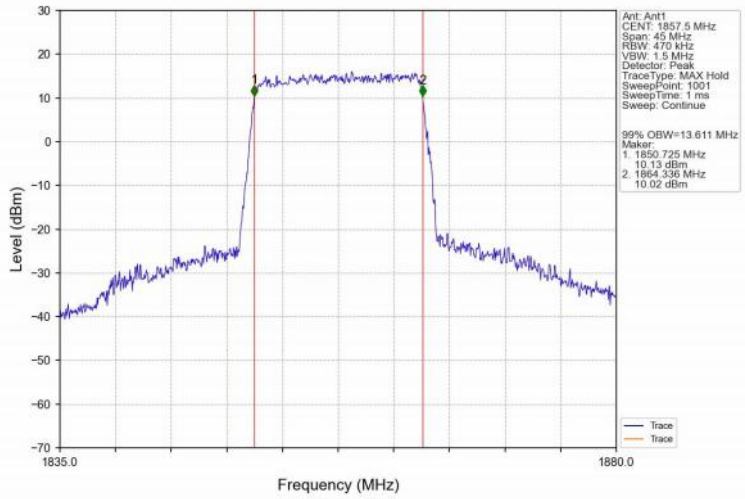
Band2_15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV



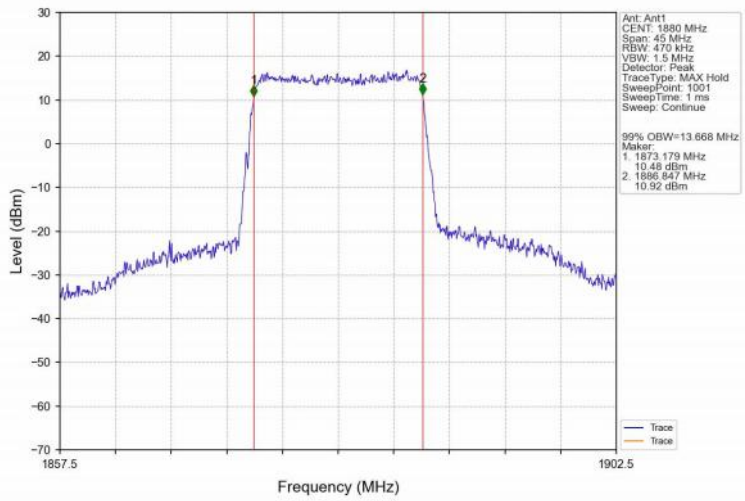
Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



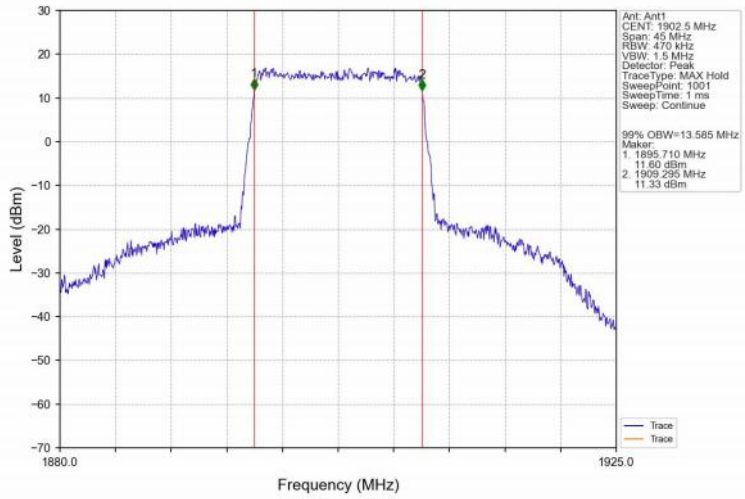
Band2_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



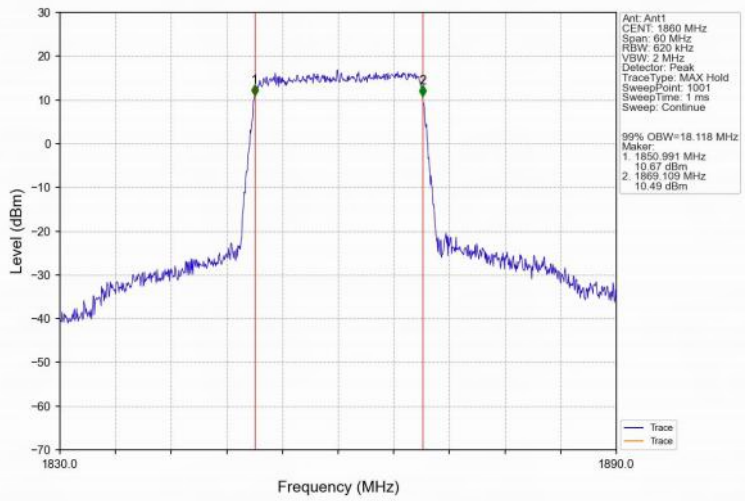
Band2_15MHz_16QAM_MCH_1880MHz_RB_75_0_NTNV



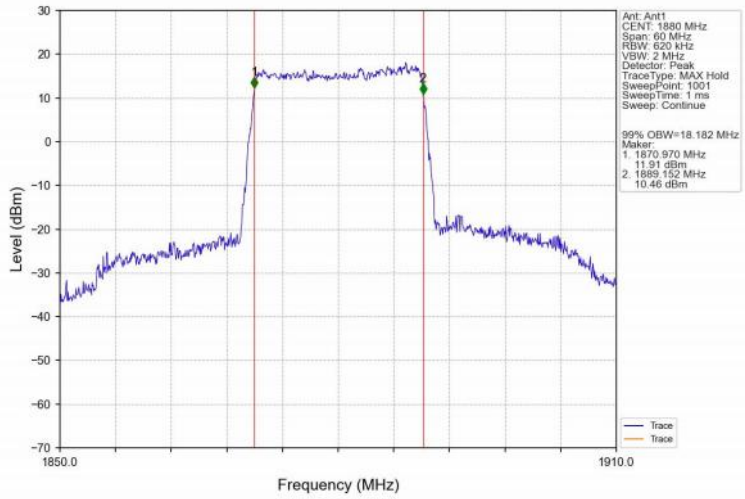
Band2_15MHz_16QAM_HCH_1902.5MHz_RB_75_0_NTNV



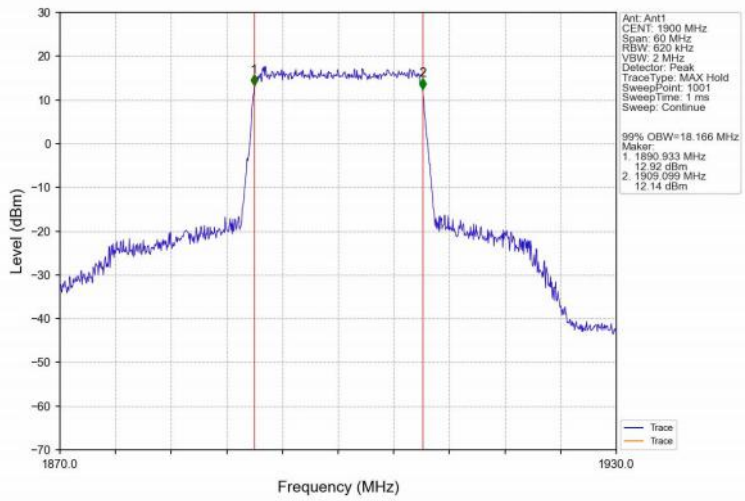
Band2_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



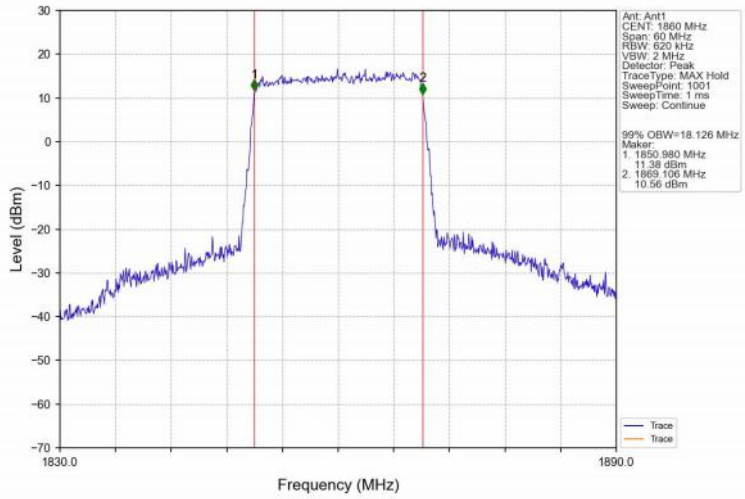
Band2_20MHz_QPSK_MCH_1880MHz_RB_100_0_NTNV



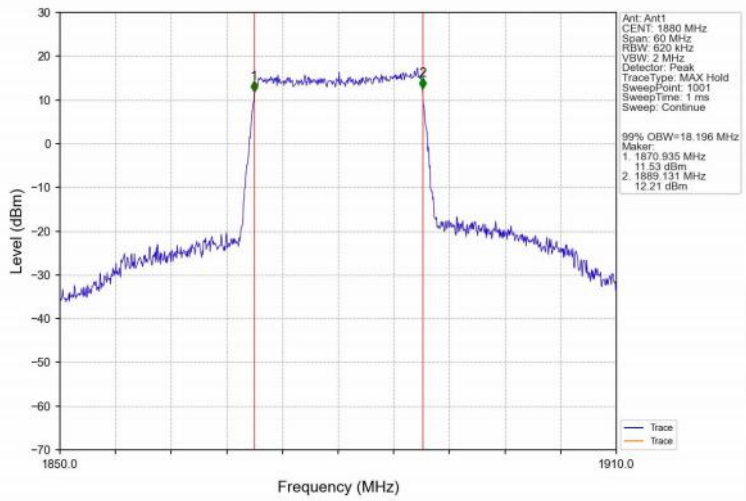
Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV



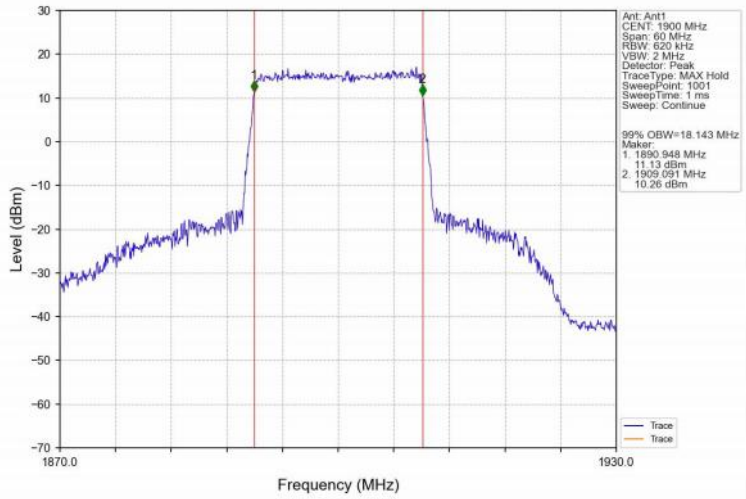
Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



Band2_20MHz_16QAM_MCH_1880MHz_RB_100_0_NTNV

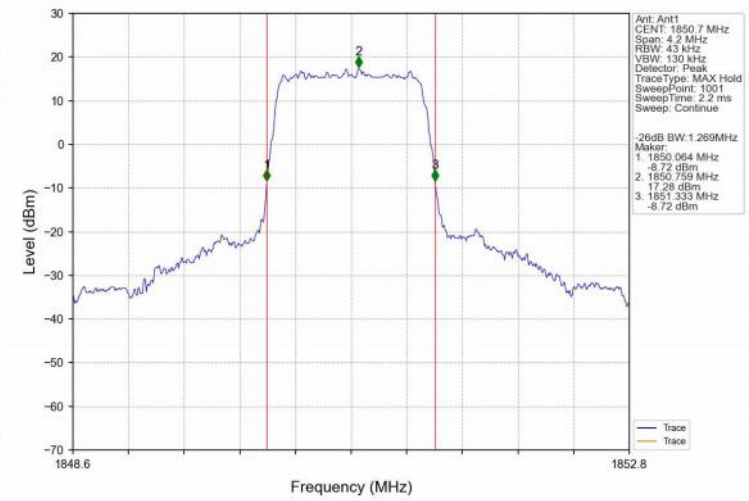


Band2_20MHz_16QAM_HCH_1900MHz_RB_100_0_NTNV

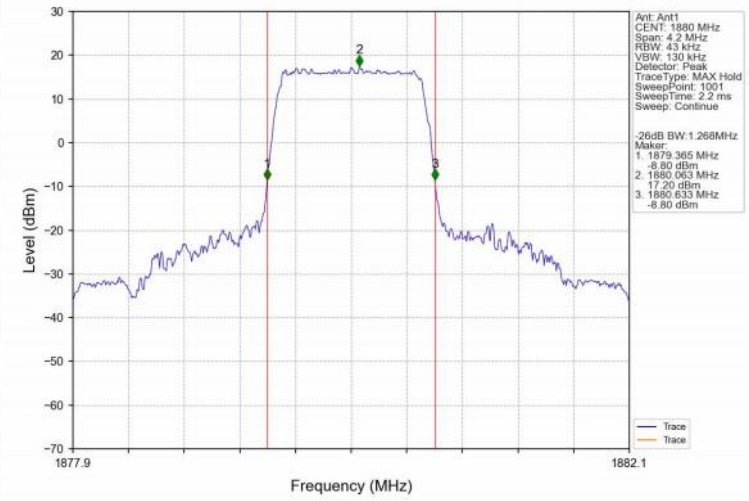


4.2.2 Band2_XDB

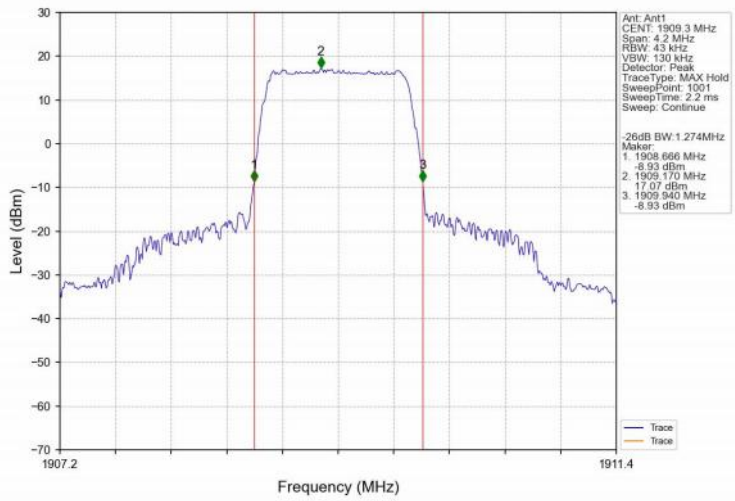
Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV



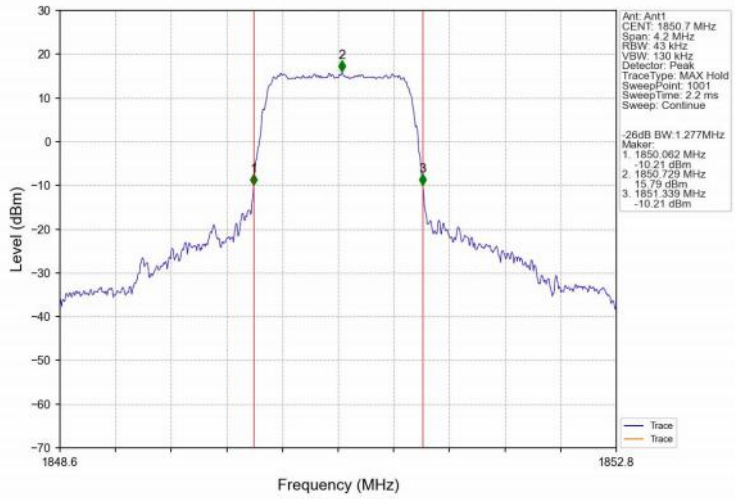
Band2_1.4MHz_QPSK_MCH_1880MHz_RB_6_0_NTNV



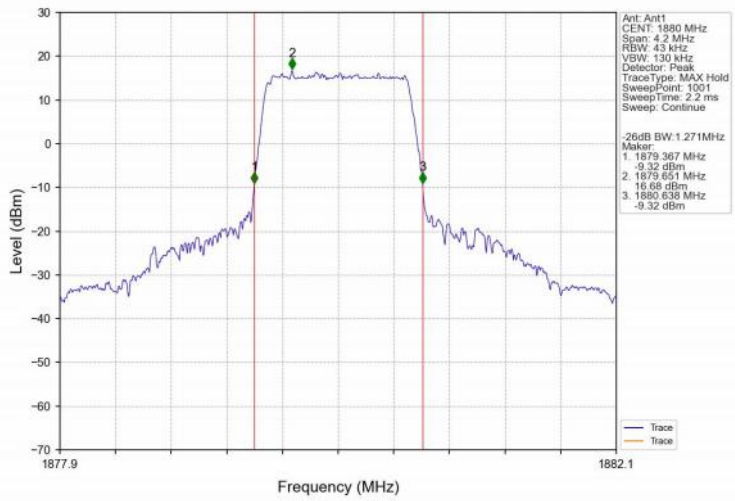
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



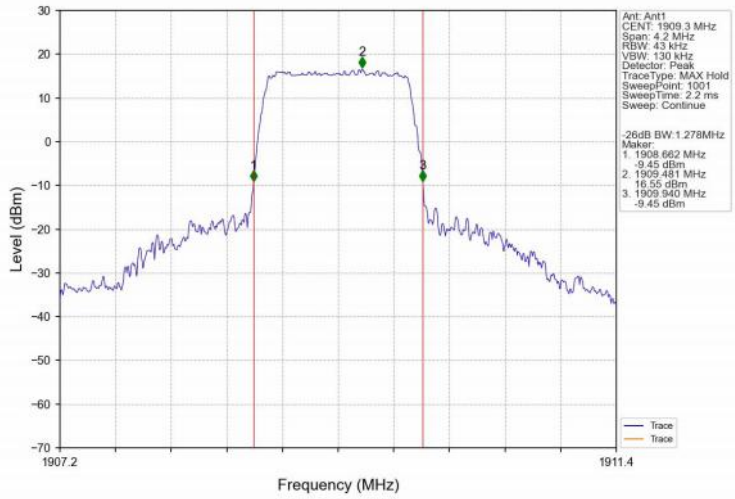
Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



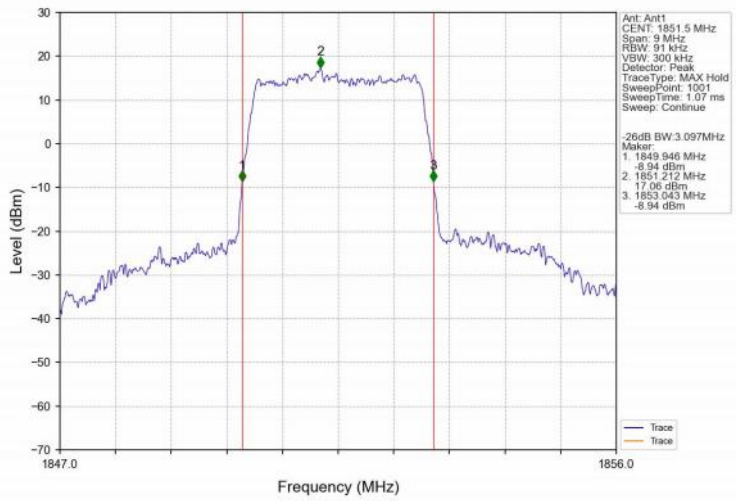
Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV



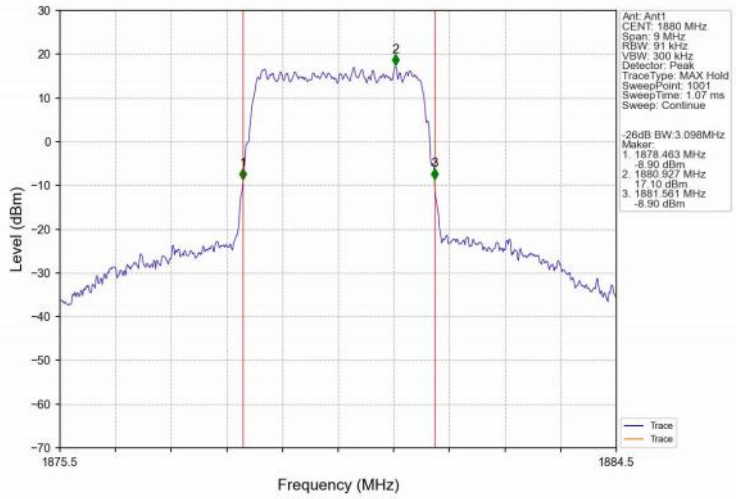
Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV



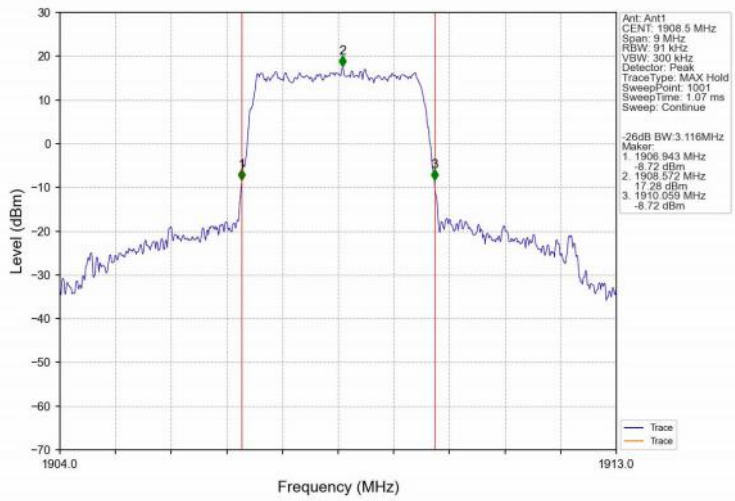
Band2_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



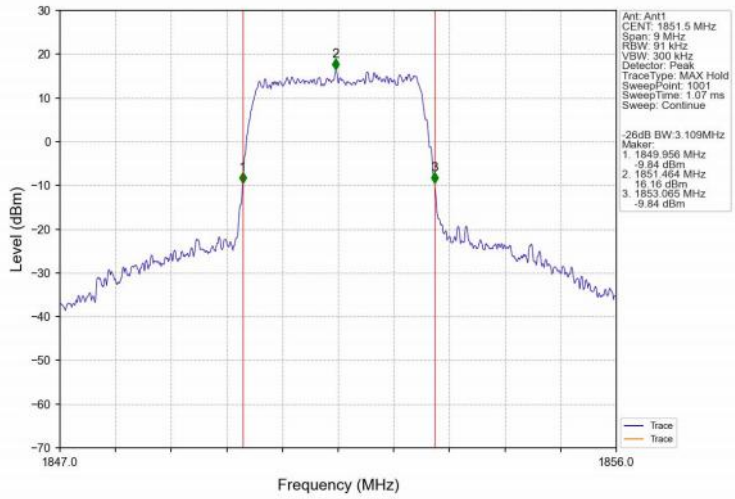
Band2_3MHz_QPSK_MCH_1880MHz_RB_15_0_NTNV



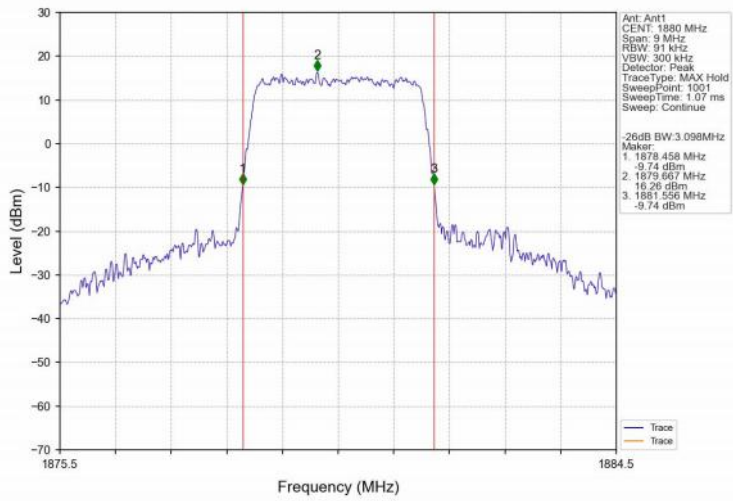
Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



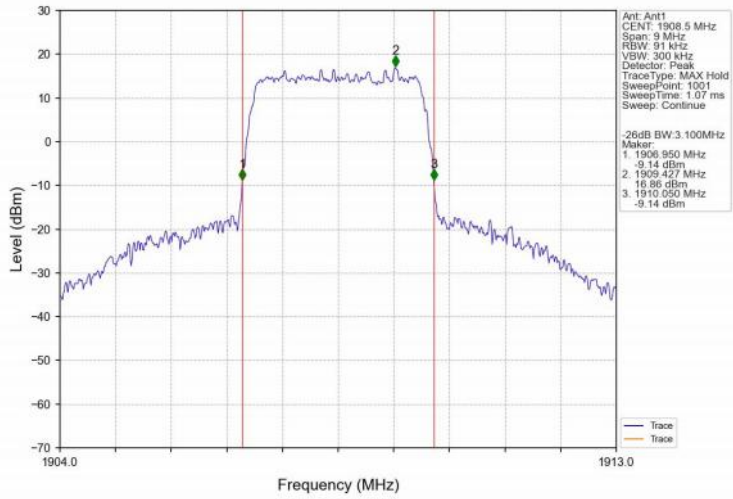
Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



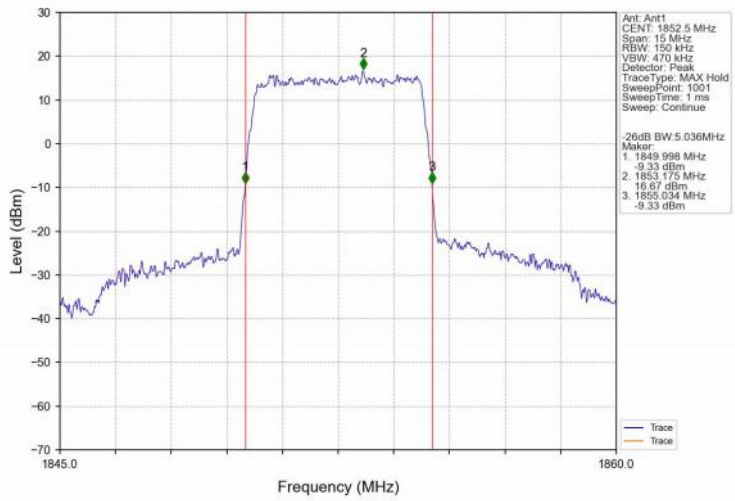
Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV



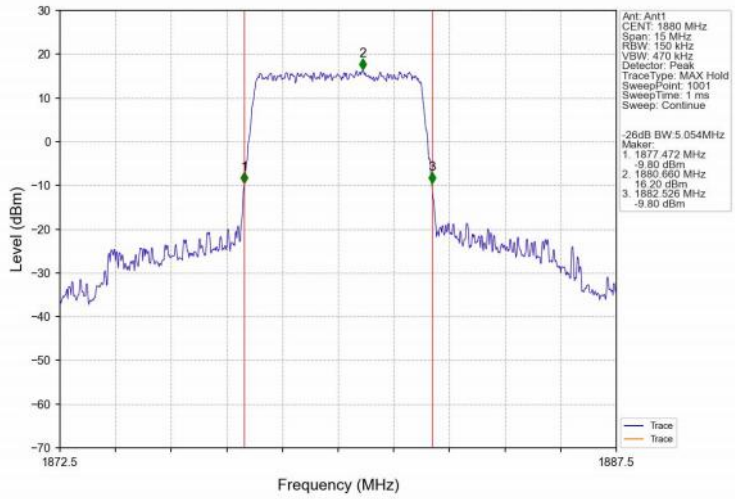
Band2_3MHz_16QAM_HCH_1908.5MHz_RB_15_0_NTNV



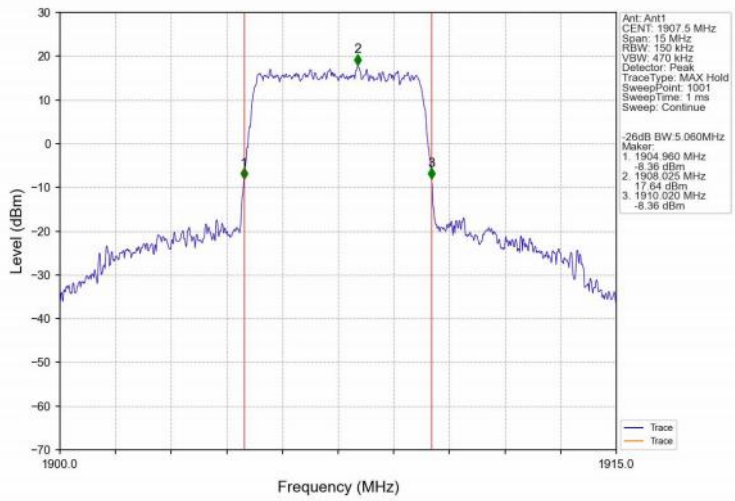
Band2_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



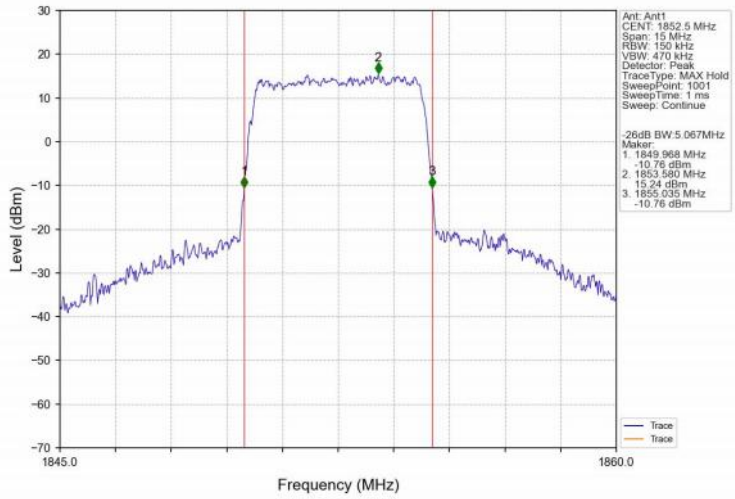
Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV



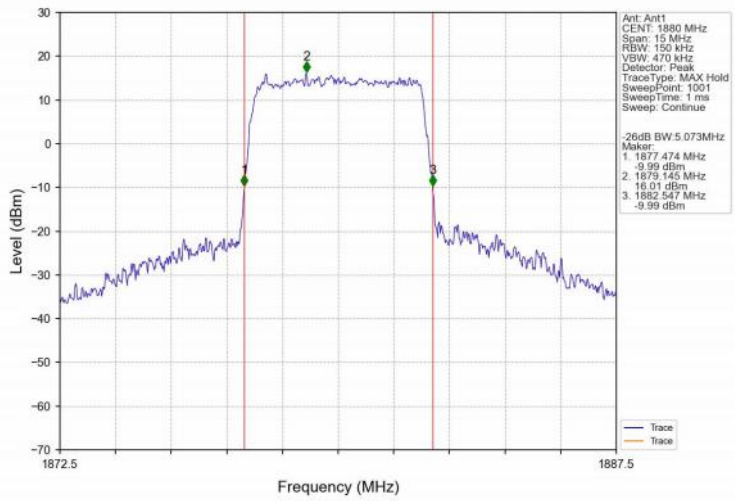
Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



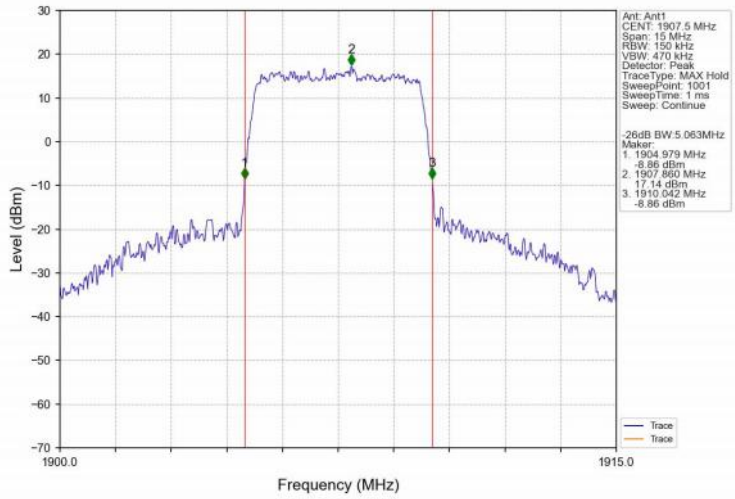
Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



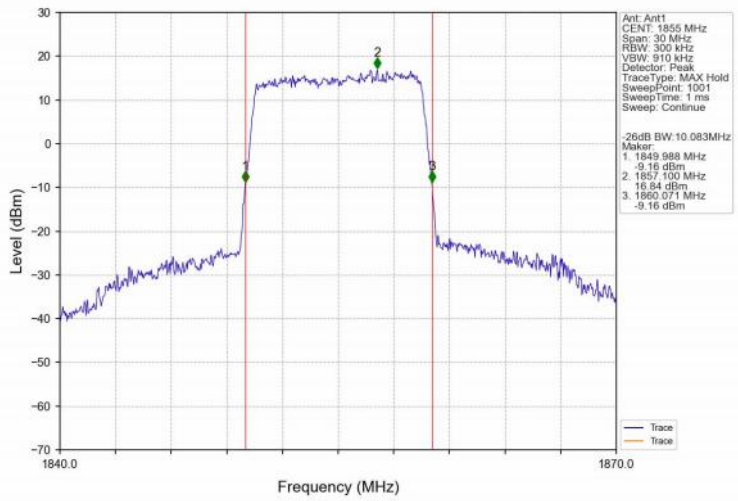
Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV



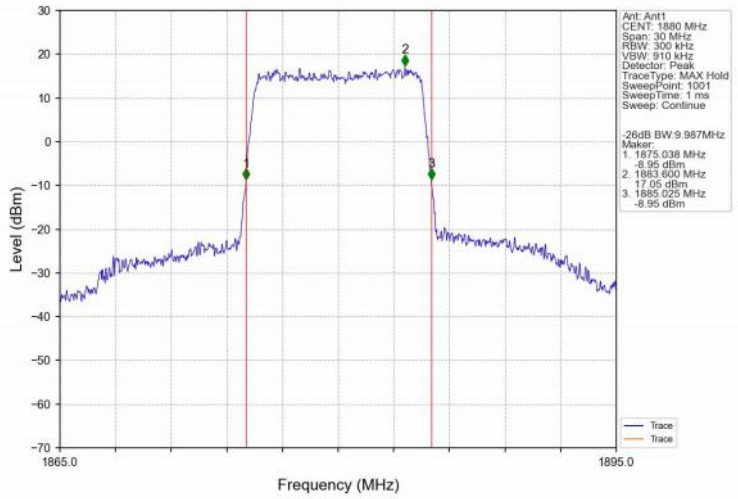
Band2_5MHz_16QAM_HCH_1907.5MHz_RB_25_0_NTNV



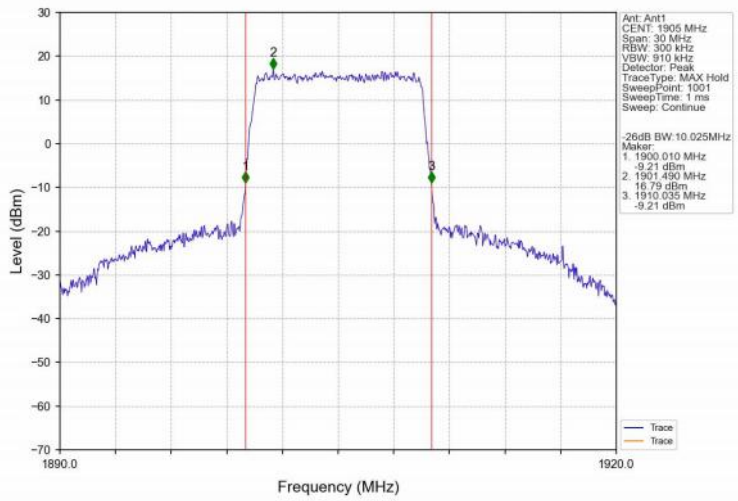
Band2_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



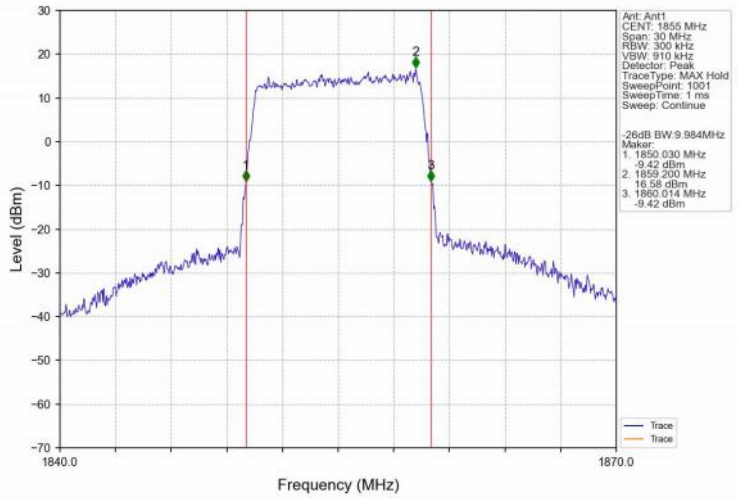
Band2_10MHz_QPSK_MCH_1880MHz_RB_50_0_NTNV



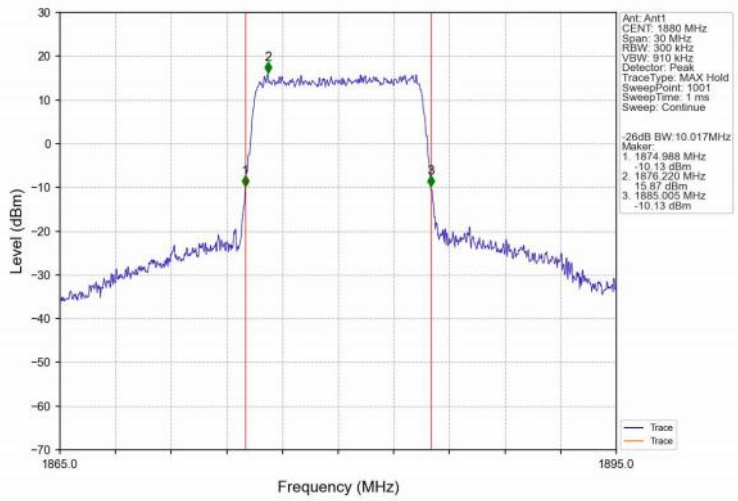
Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



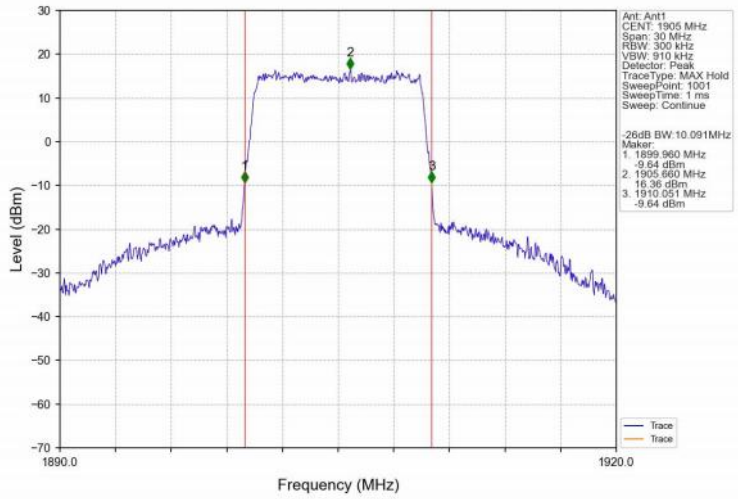
Band2_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV



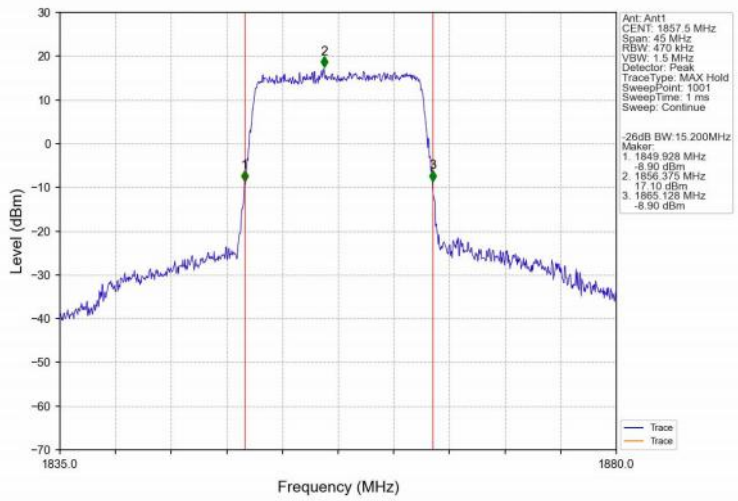
Band2_10MHz_16QAM_MCH_1880MHz_RB_50_0_NTNV



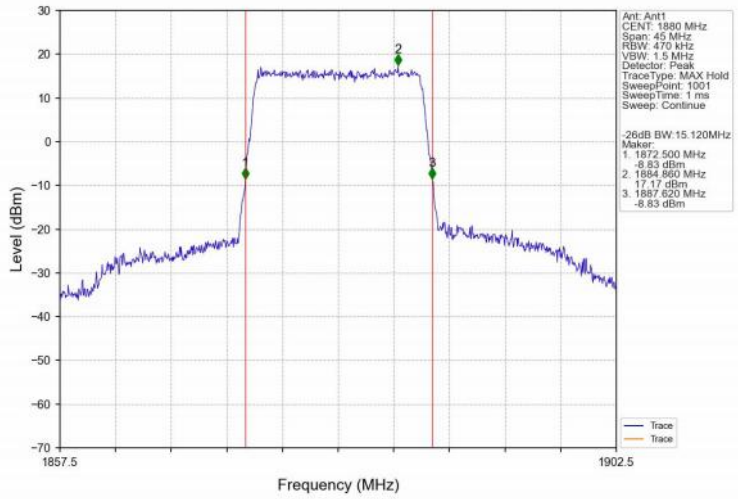
Band2_10MHz_16QAM_HCH_1905MHz_RB_50_0_NTNV



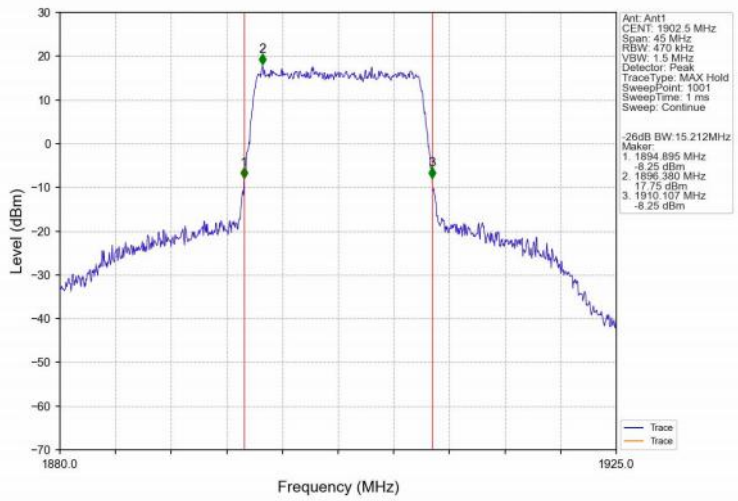
Band2_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



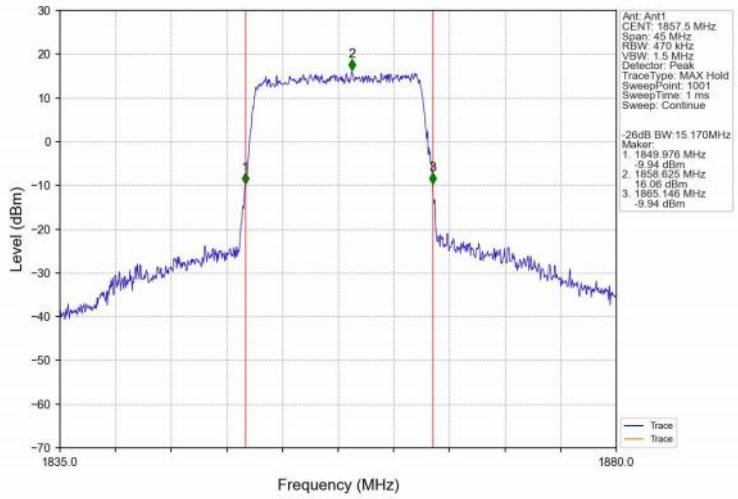
Band2_15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV

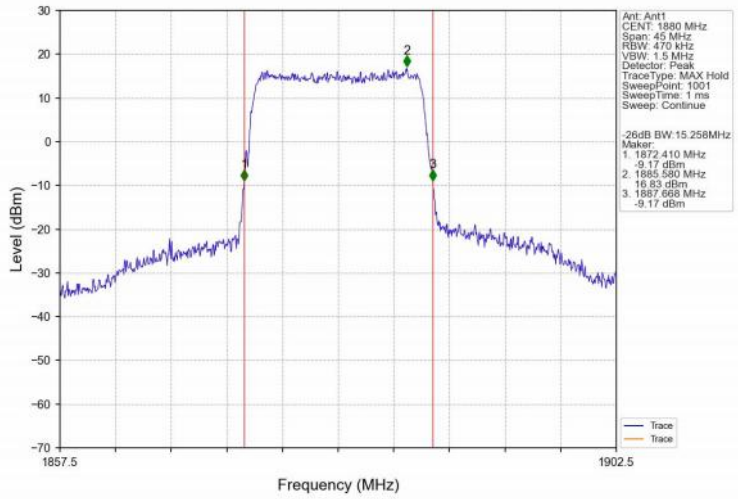


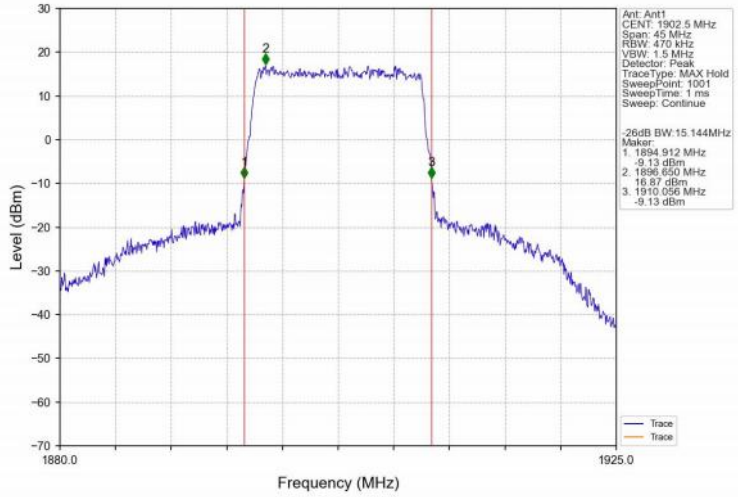
Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



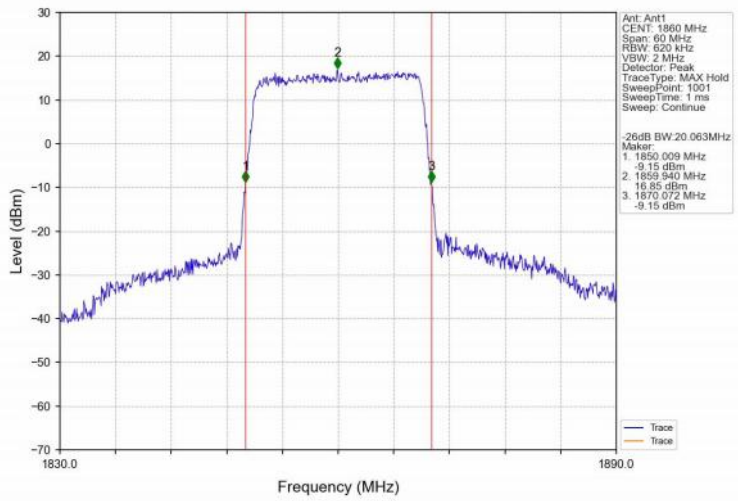
Band2_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



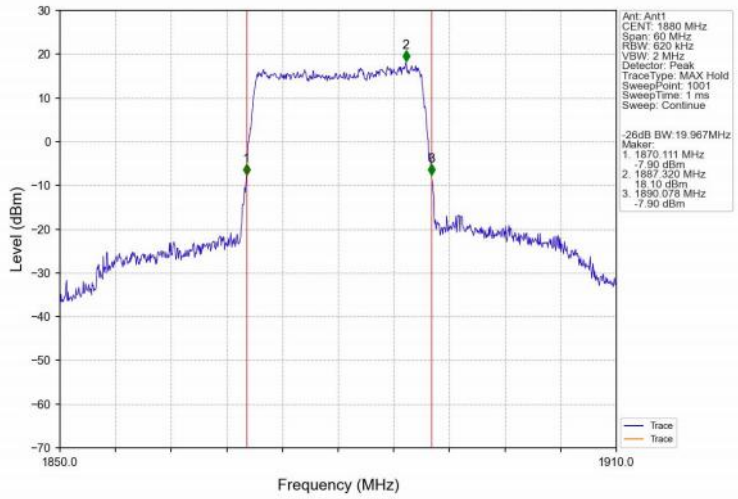
Band2_15MHz_16QAM_MCH_1880MHz_RB_75_0_NTNV


Band2_15MHz_16QAM_HCH_1902.5MHz_RB_75_0_NTNV


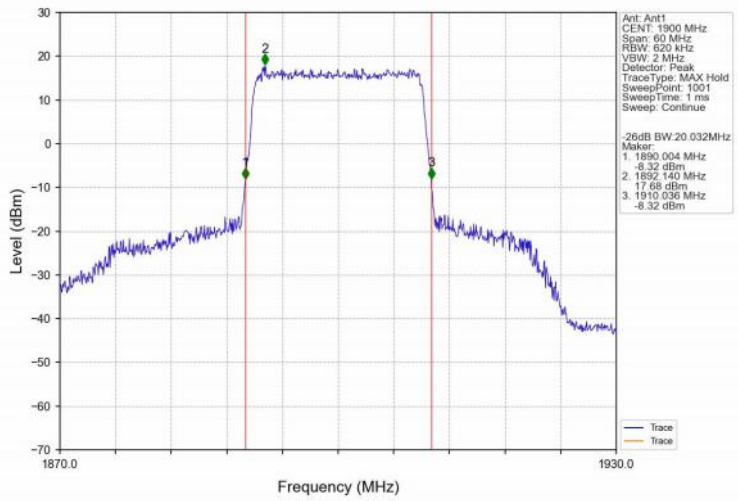
Band2_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



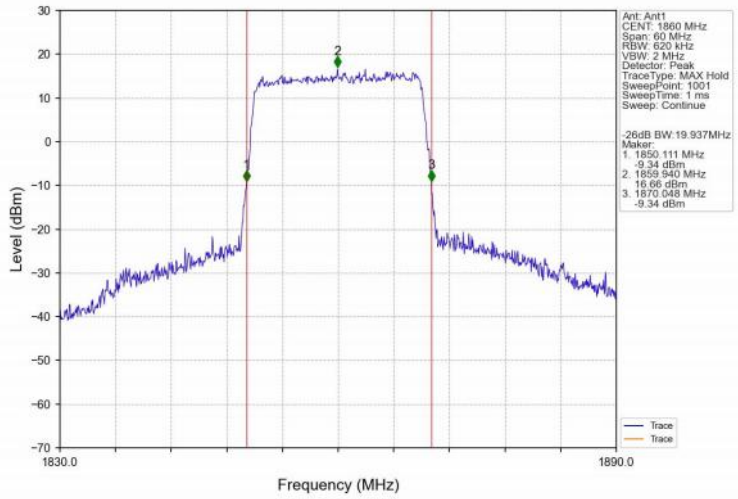
Band2_20MHz_QPSK_MCH_1880MHz_RB_100_0_NTNV



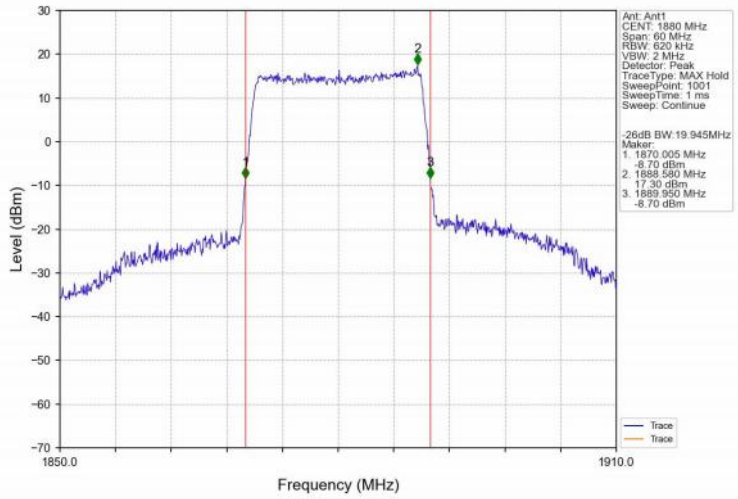
Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV



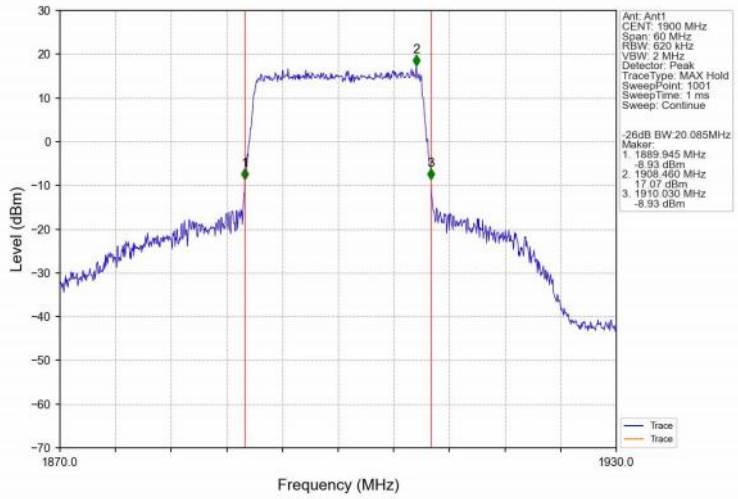
Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



Band2_20MHz_16QAM_MCH_1880MHz_RB_100_0_NTNV



Band2_20MHz_16QAM_HCH_1900MHz_RB_100_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B2_1.4MHz

Band: 2 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	6	0	5.42	<=13	Pass
	1880	6	0	5.47	<=13	Pass
	1909.3	6	0	5.13	<=13	Pass
16QAM	1850.7	6	0	6.14	<=13	Pass
	1880	6	0	6.33	<=13	Pass
	1909.3	6	0	5.88	<=13	Pass

5.1.2 B2_3MHz

Band: 2 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	15	0	5.45	<=13	Pass
	1880	15	0	5.47	<=13	Pass
	1908.5	15	0	5.20	<=13	Pass
16QAM	1851.5	15	0	6.21	<=13	Pass
	1880	15	0	6.29	<=13	Pass
	1908.5	15	0	5.98	<=13	Pass

5.1.3 B2_5MHz

Band: 2 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	25	0	5.59	<=13	Pass
	1880	25	0	5.58	<=13	Pass
	1907.5	25	0	5.36	<=13	Pass
16QAM	1852.5	25	0	6.26	<=13	Pass
	1880	25	0	6.32	<=13	Pass
	1907.5	25	0	6.06	<=13	Pass

5.1.4 B2_10MHz

Band: 2 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	50	0	5.53	<=13	Pass
	1880	50	0	5.62	<=13	Pass
	1905	50	0	5.40	<=13	Pass
16QAM	1855	50	0	6.32	<=13	Pass
	1880	50	0	6.38	<=13	Pass
	1905	50	0	6.09	<=13	Pass

5.1.5 B2_15MHz

Band: 2 / Bandwidth: 15MHz / NTNV				
Modulation	Frequency	RB Allocation	Peak-Average Ratio (dB)	Verdict

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

	(MHz)	Size	Offset	Result	Limit	
QPSK	1857.5	75	0	4.82	<=13	Pass
	1880	75	0	4.82	<=13	Pass
	1902.5	75	0	4.84	<=13	Pass
16QAM	1857.5	75	0	6.14	<=13	Pass
	1880	75	0	6.20	<=13	Pass
	1902.5	75	0	6.09	<=13	Pass

5.1.6 B2_20MHz

Band: 2 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	100	0	5.64	<=13	Pass
	1880	100	0	5.66	<=13	Pass
	1900	100	0	5.59	<=13	Pass
16QAM	1860	100	0	6.69	<=13	Pass
	1880	100	0	6.71	<=13	Pass
	1900	100	0	6.69	<=13	Pass

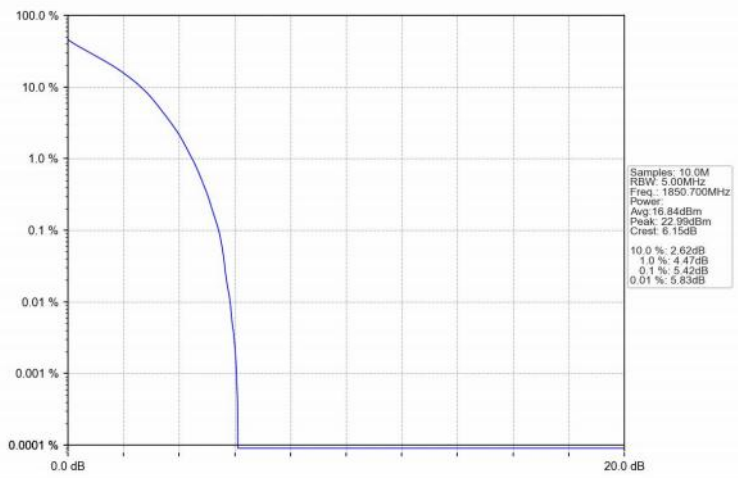
Total or partial reproduction of this document without permission of the Laboratory is not allowed.

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

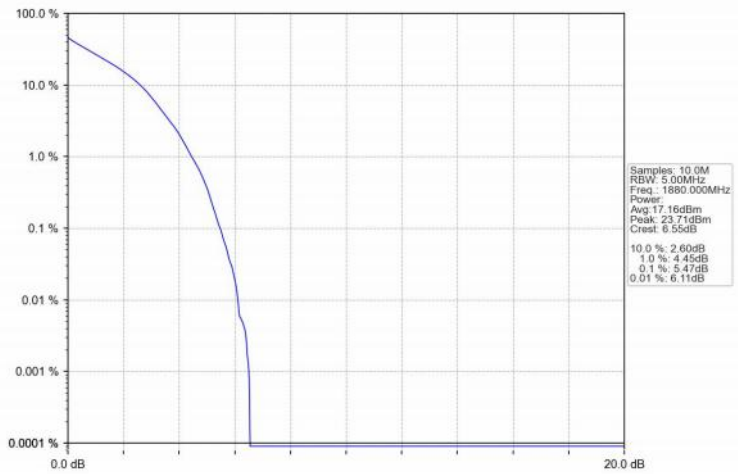
5.2 Test Graph

5.2.1 B2_1.4MHz

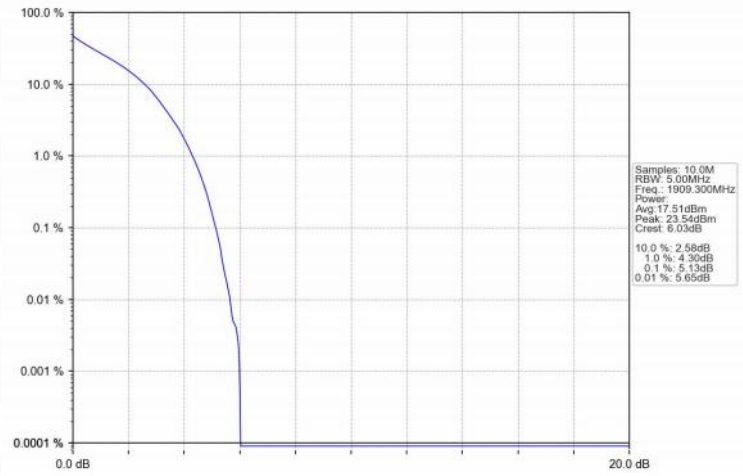
Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV



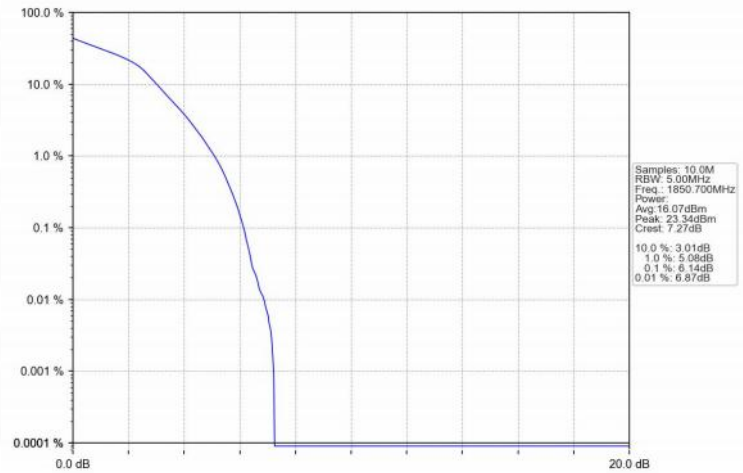
Band2_1.4MHz_QPSK_MCH_1880MHz_RB_6_0_NTNV



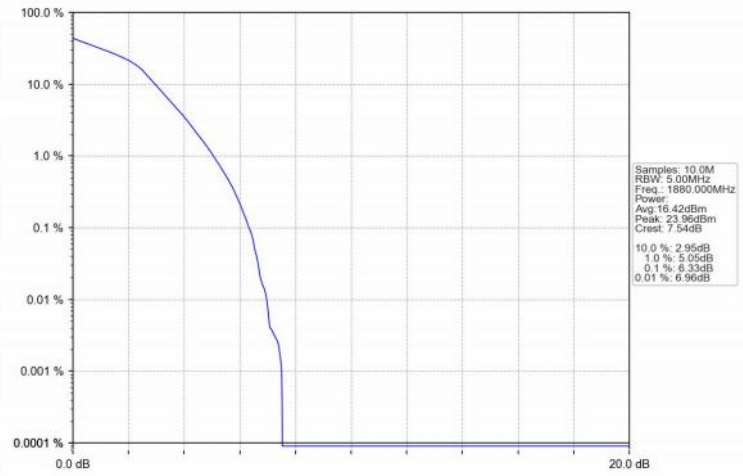
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV

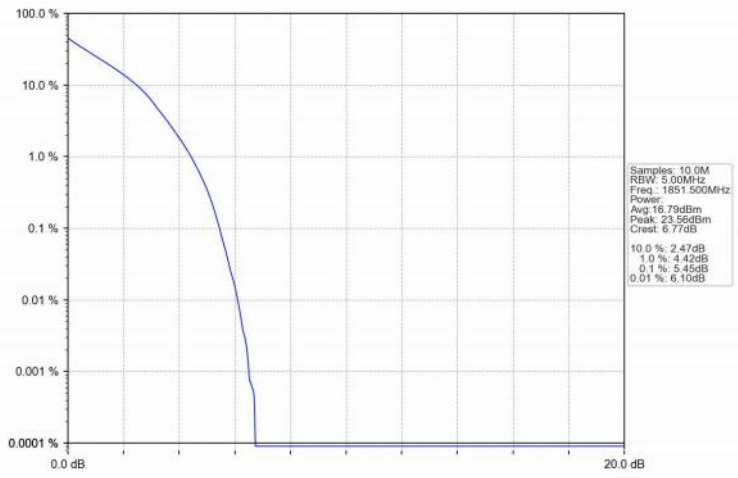


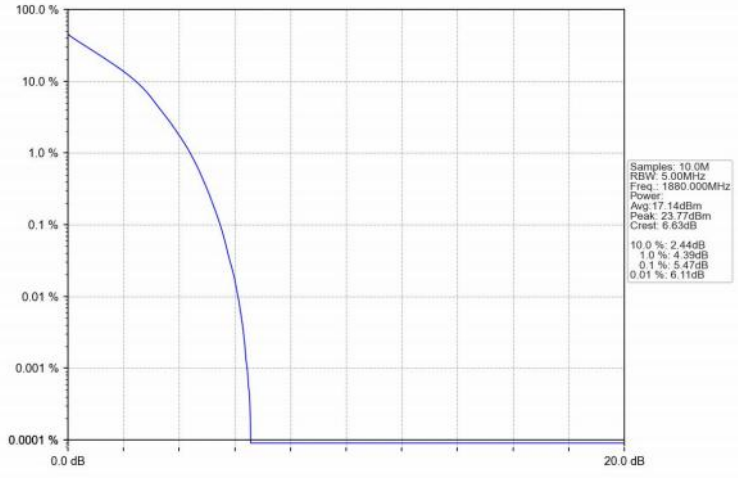
Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV



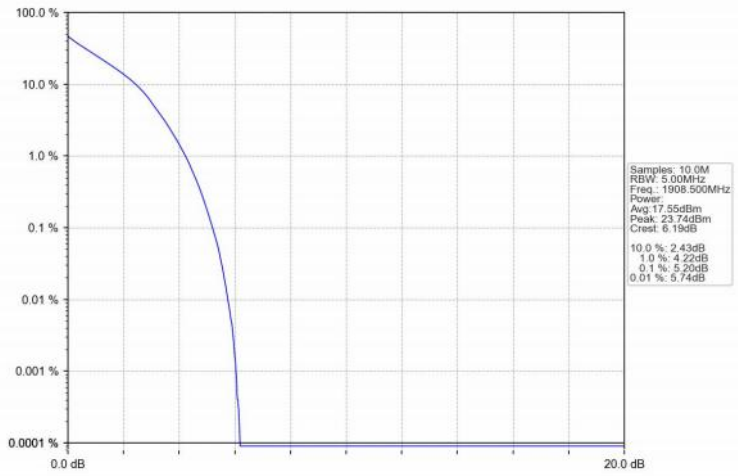
Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV

5.2.2 B2_3MHz

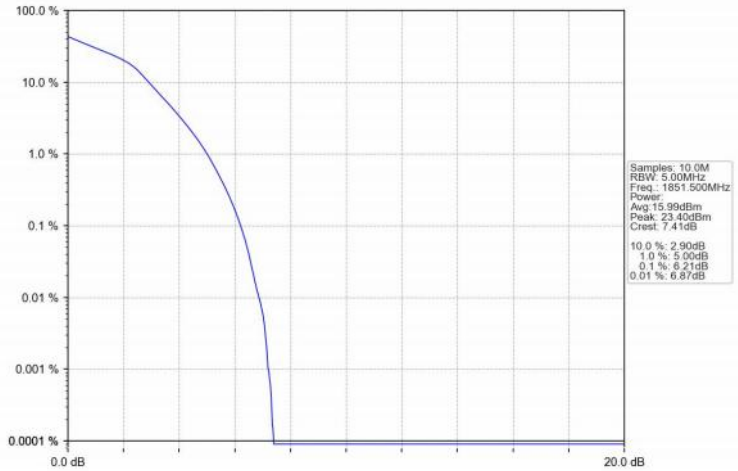
Band2_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV


Band2_3MHz_QPSK_MCH_1880MHz_RB_15_0_NTNV


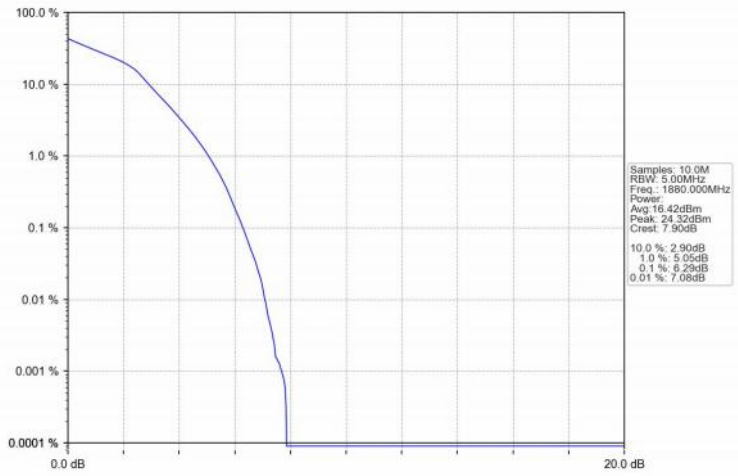
Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



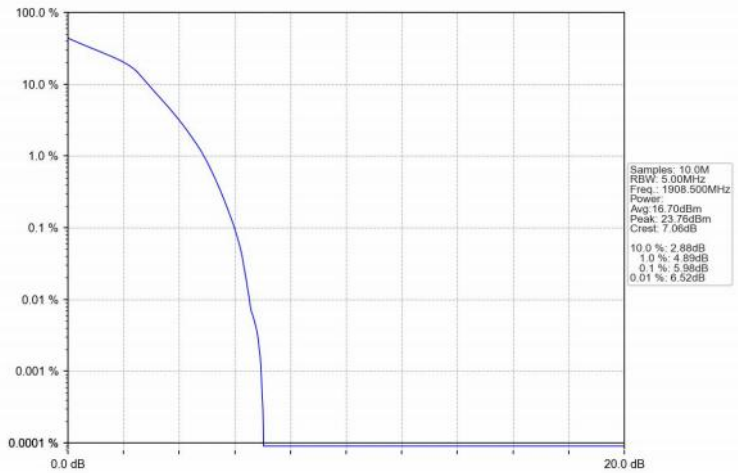
Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



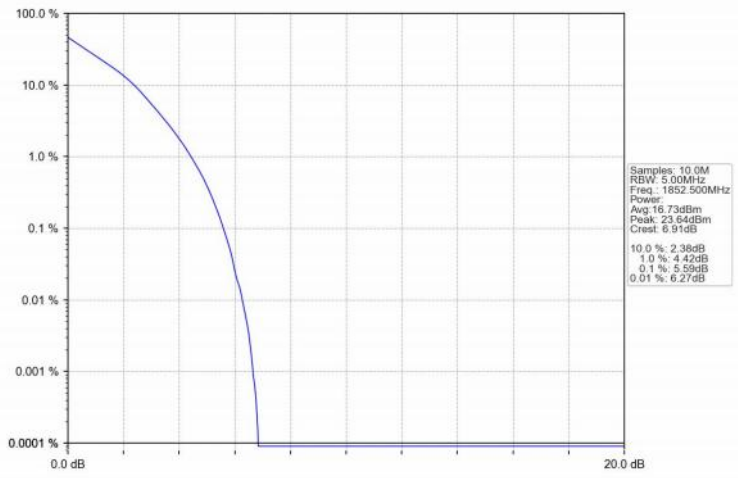
Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV

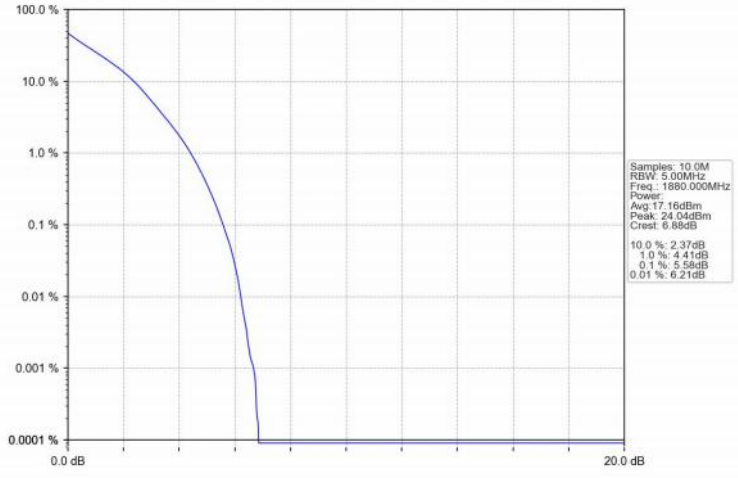


Band2_3MHz_16QAM_HCH_1908.5MHz_RB_15_0_NTNV

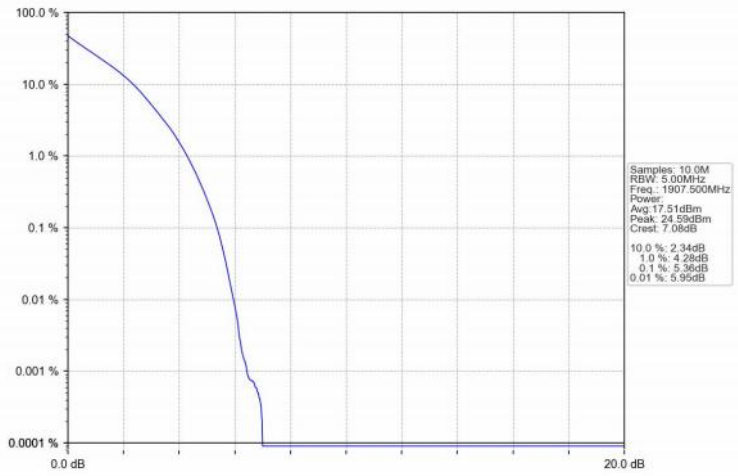


5.2.3 B2_5MHz

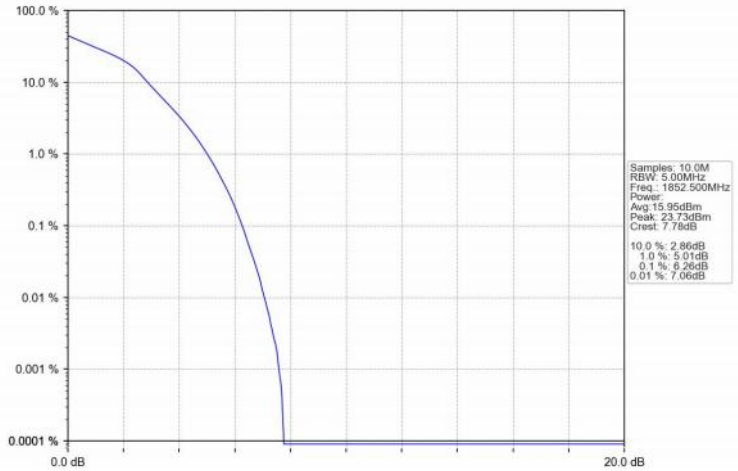
Band2_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV


Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV


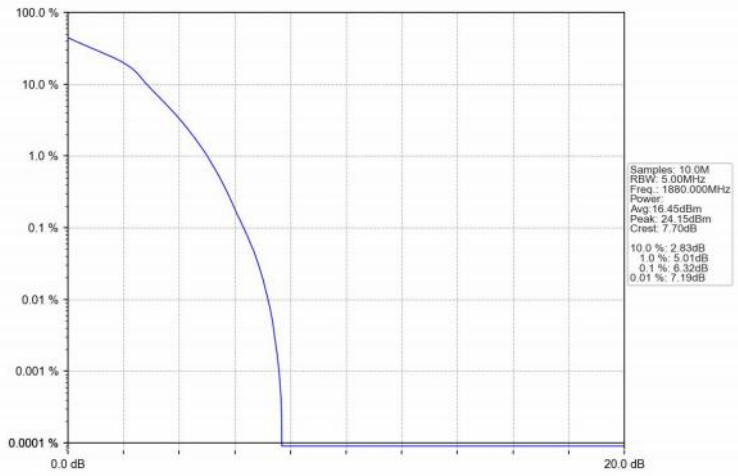
Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



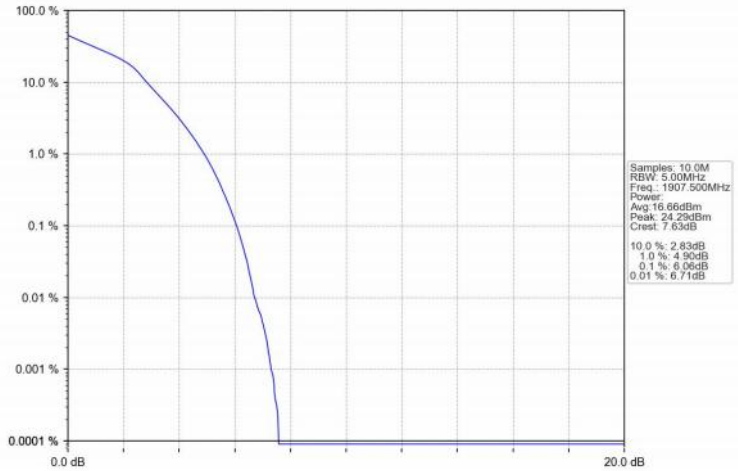
Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



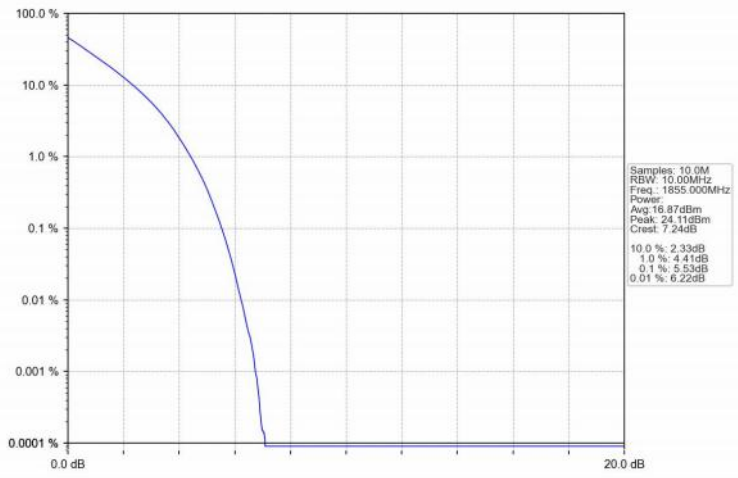
Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV

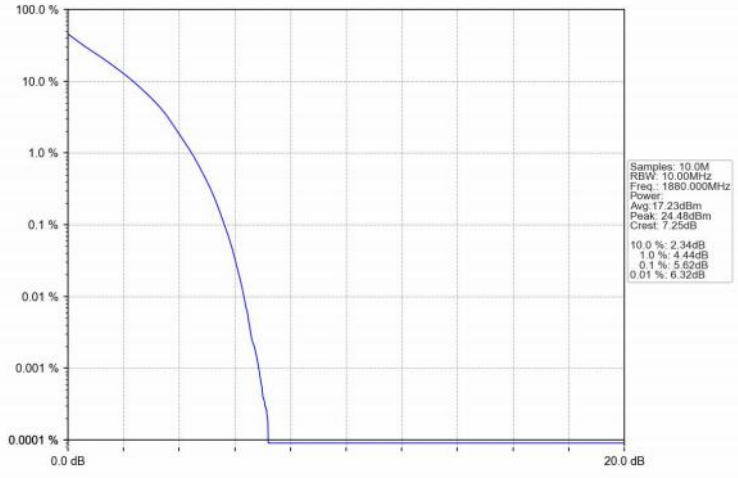


Band2_5MHz_16QAM_HCH_1907.5MHz_RB_25_0_NTNV

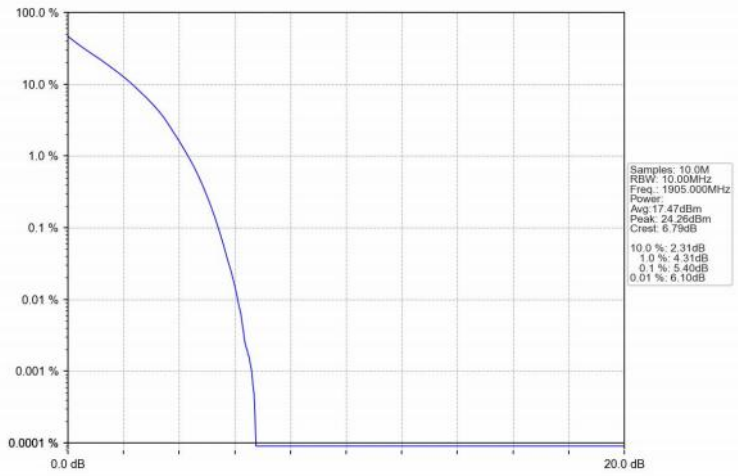


5.2.4 B2_10MHz

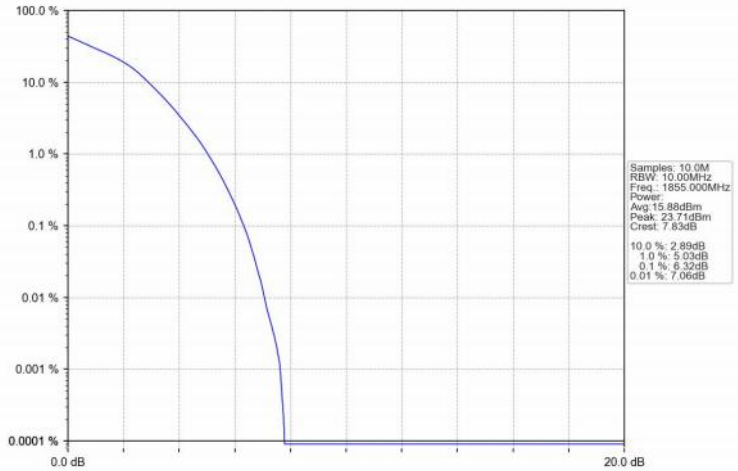
Band2_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV


Band2_10MHz_QPSK_MCH_1880MHz_RB_50_0_NTNV


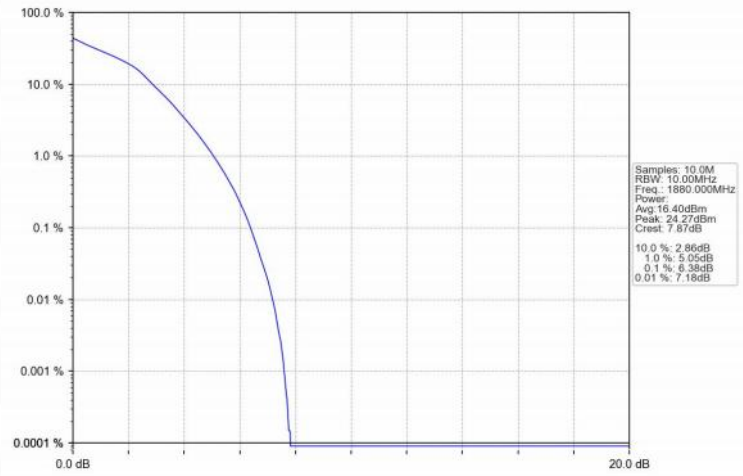
Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



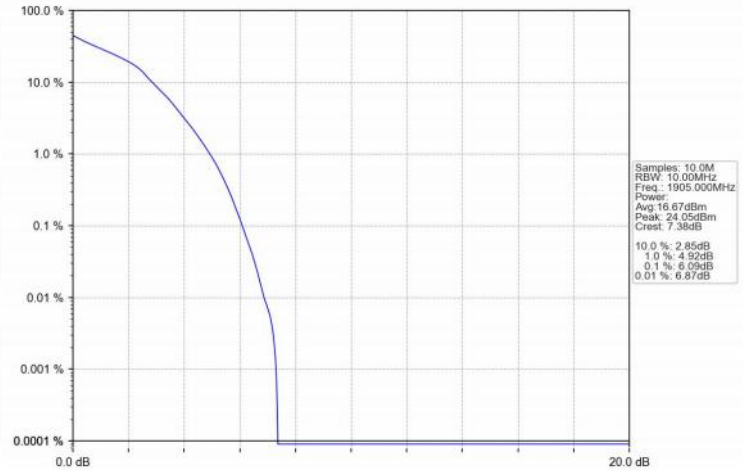
Band2_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV



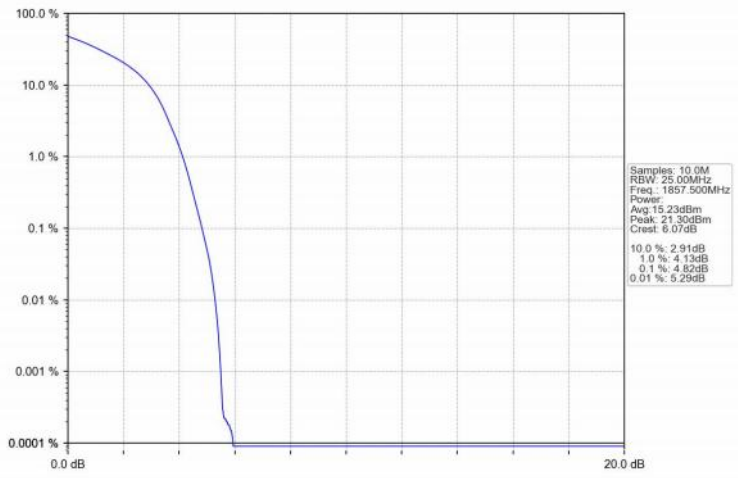
Band2_10MHz_16QAM_MCH_1880MHz_RB_50_0_NTNV

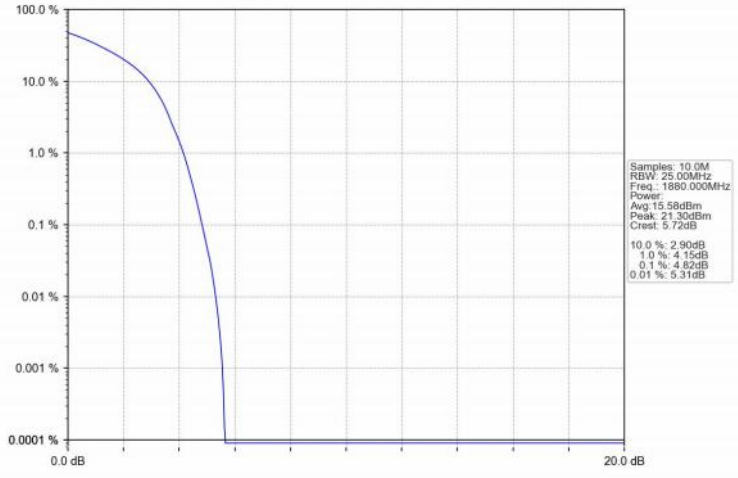


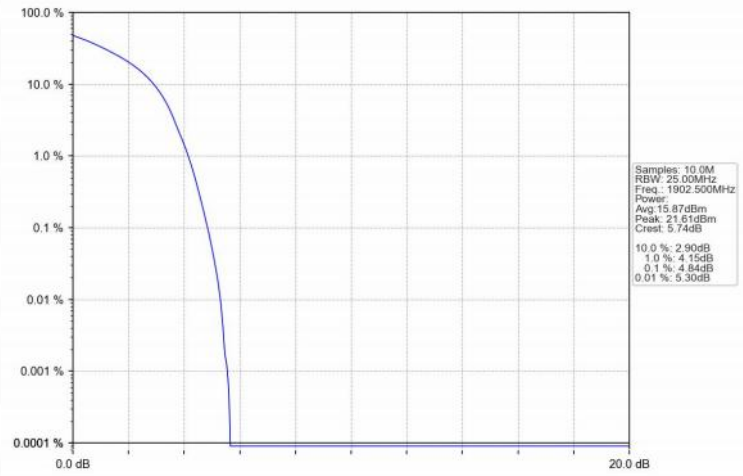
Band2_10MHz_16QAM_HCH_1905MHz_RB_50_0_NTNV

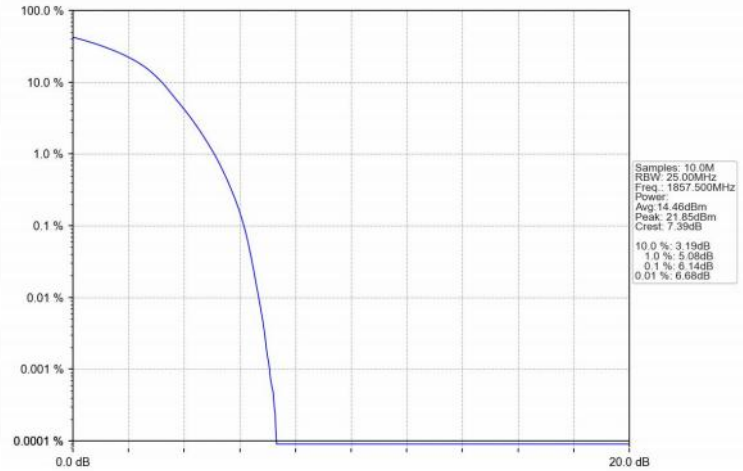


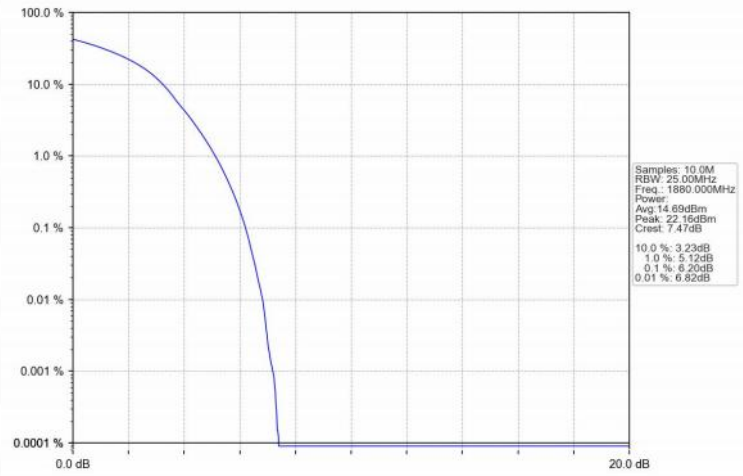
5.2.5 B2_15MHz

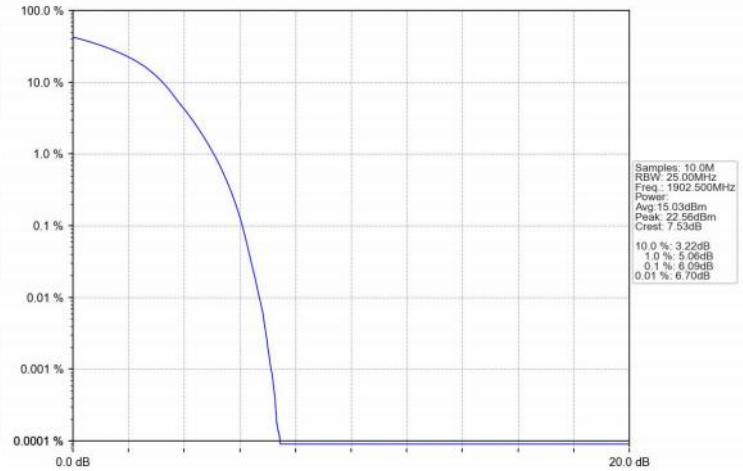
Band2_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV


Band2_15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV


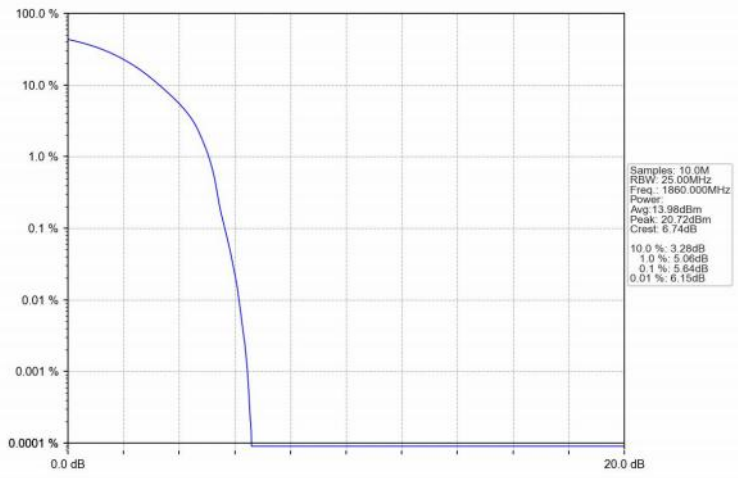
Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV


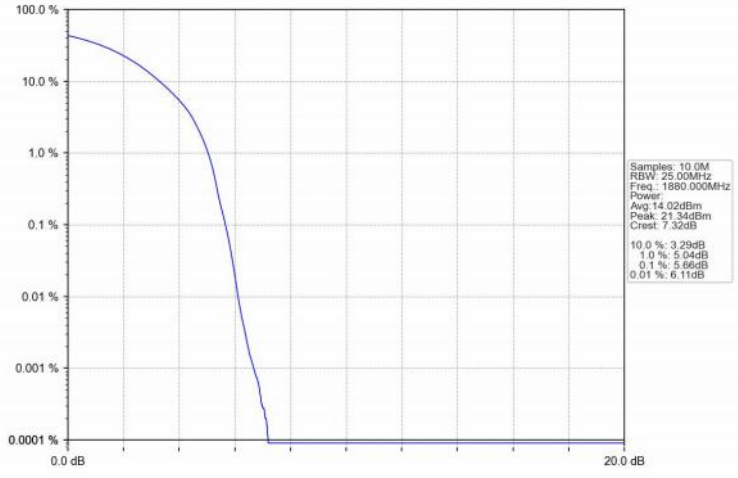
Band2_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV


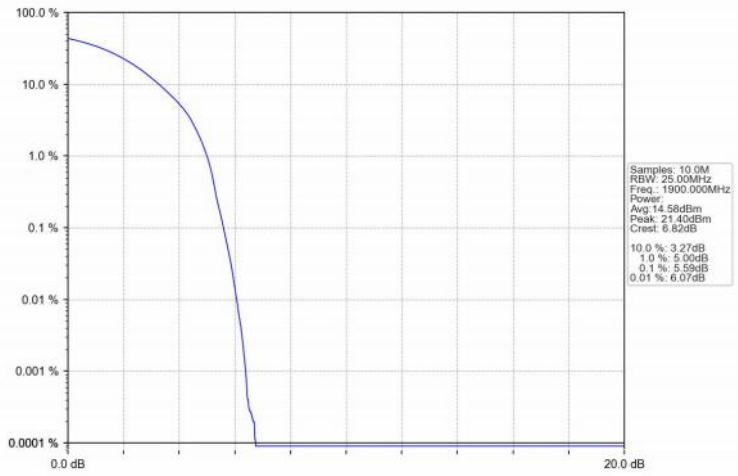
Band2_15MHz_16QAM_MCH_1880MHz_RB_75_0_NTNV


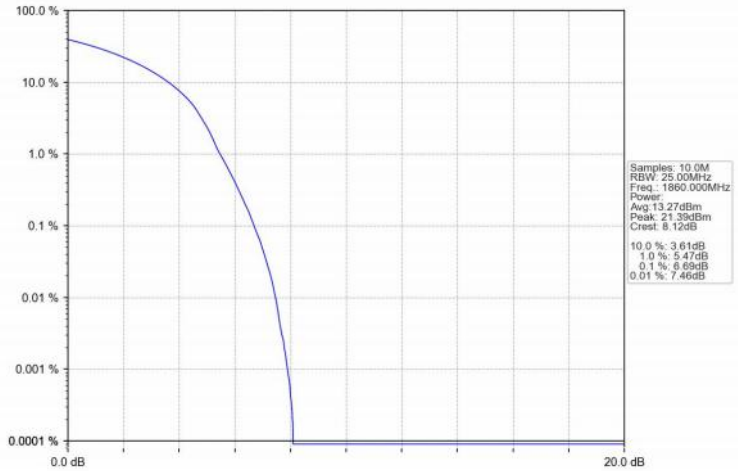
Band2_15MHz_16QAM_HCH_1902.5MHz_RB_75_0_NTNV


5.2.6 B2_20MHz

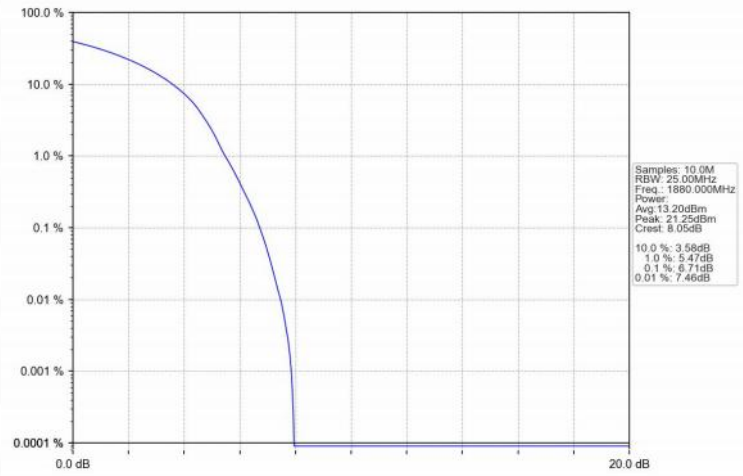
Band2_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV


Band2_20MHz_QPSK_MCH_1880MHz_RB_100_0_NTNV


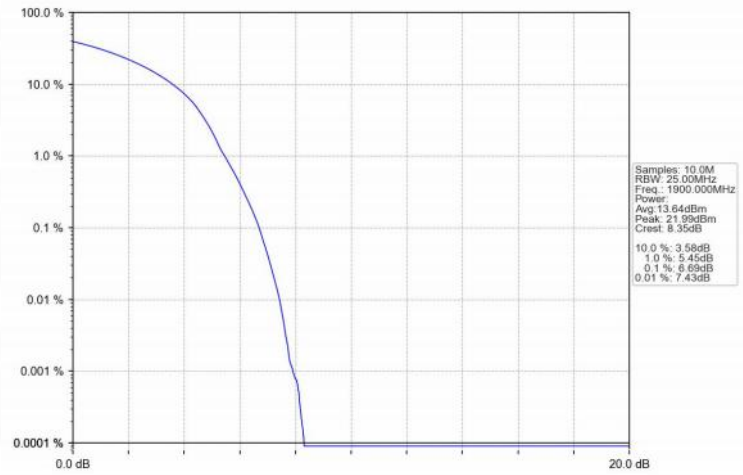
Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV


Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV


Band2_20MHz_16QAM_MCH_1880MHz_RB_100_0_NTNV



Band2_20MHz_16QAM_HCH_1900MHz_RB_100_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B2_1.4MHz

Band: 2 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1909.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	1850.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1909.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

6.1.2 B2_3MHz

Band: 2 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1908.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	1851.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1908.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

6.1.3 B2_5MHz

Band: 2 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1907.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	1852.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1907.5	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 B2_10MHz

Band: 2 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1905	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	1855	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1905	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.1.5 B2_15MHz

Band: 2 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1902.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	1857.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1902.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

6.1.6 B2_20MHz

Band: 2 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1900	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	1860	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1900	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

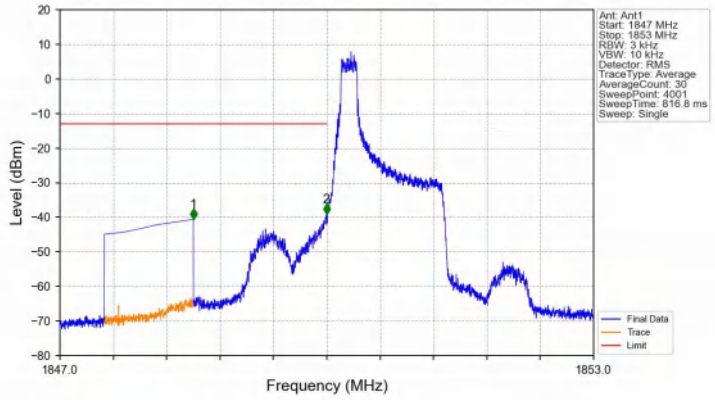
Total or partial reproduction of this document without permission of the Laboratory is not allowed.

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

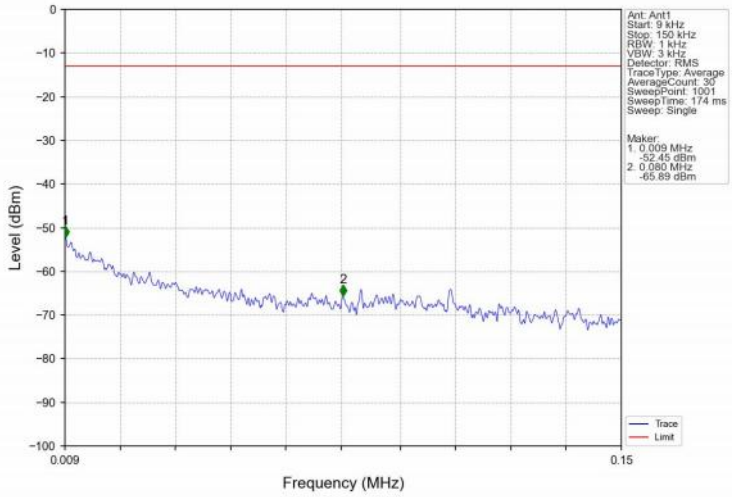
6.2.1 B2_1.4MHz

Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV

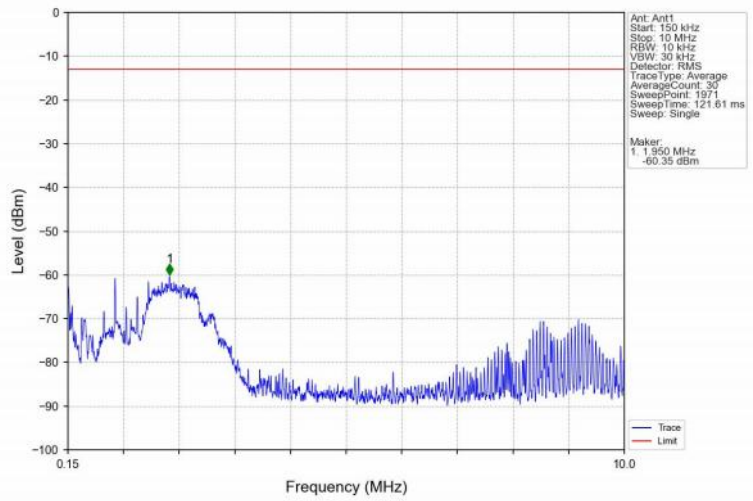


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.500	-40.54	-13	Pass
1849	1850	0.003	/	2	1849.997	-39.12	-13	Pass
1850	1853	0.003	/	/	/	/	/	/

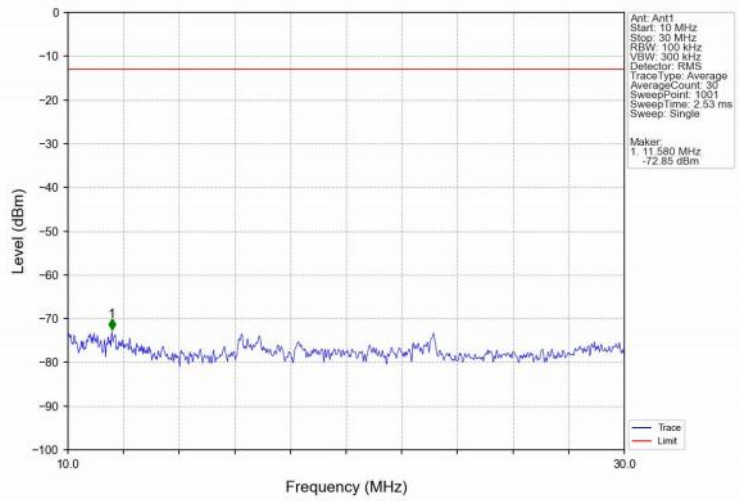
Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



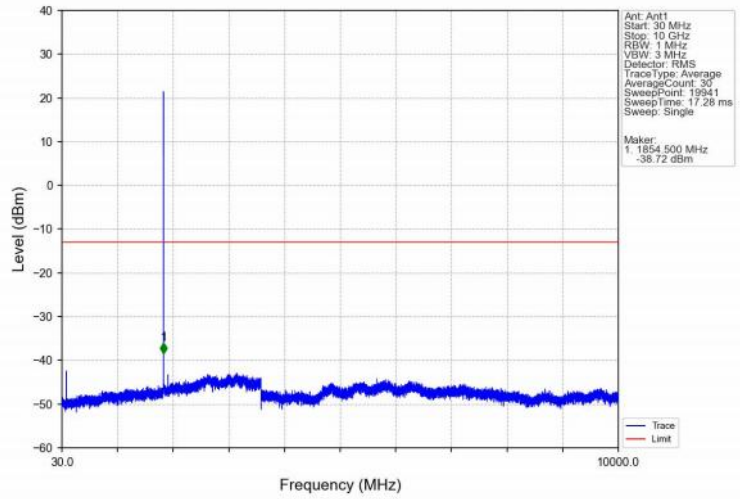
Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



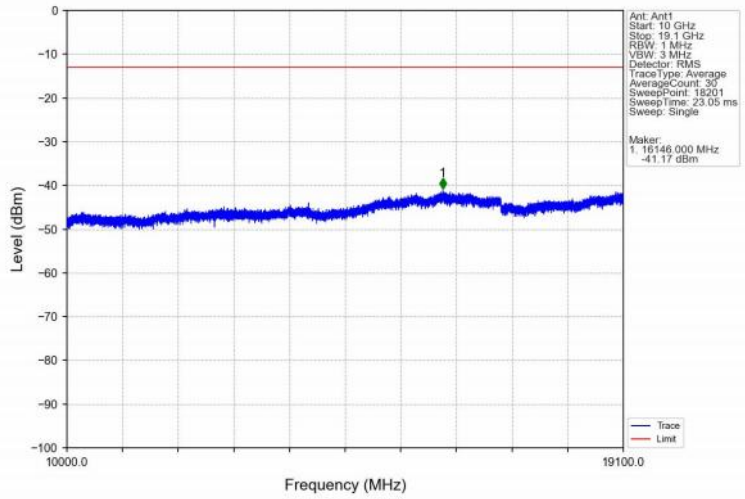
Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



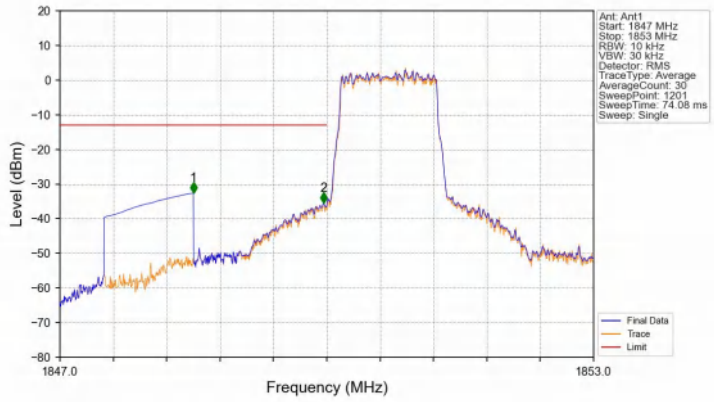
Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV

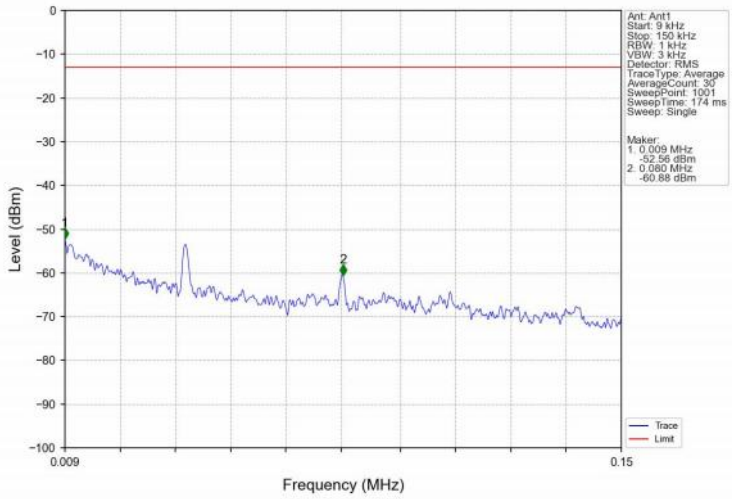


Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV

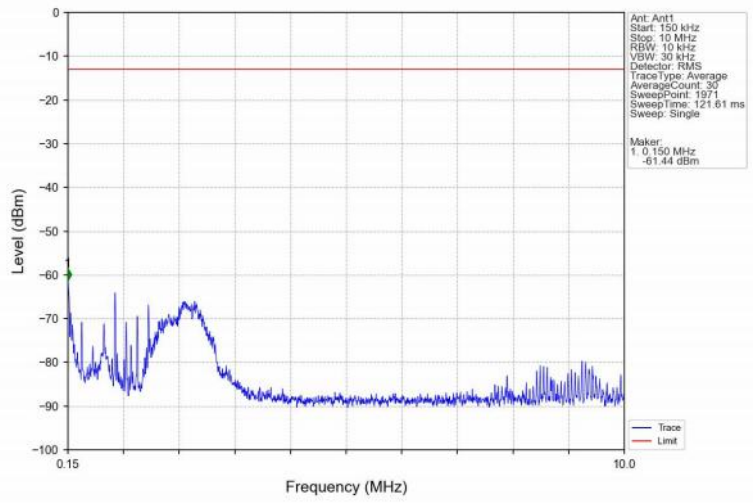


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.500	-32.59	-13	Pass
1849	1850	0.013	CHP	2	1849.965	-35.47	-13	Pass
1850	1853	0.013	CHP	/	/	/	/	/

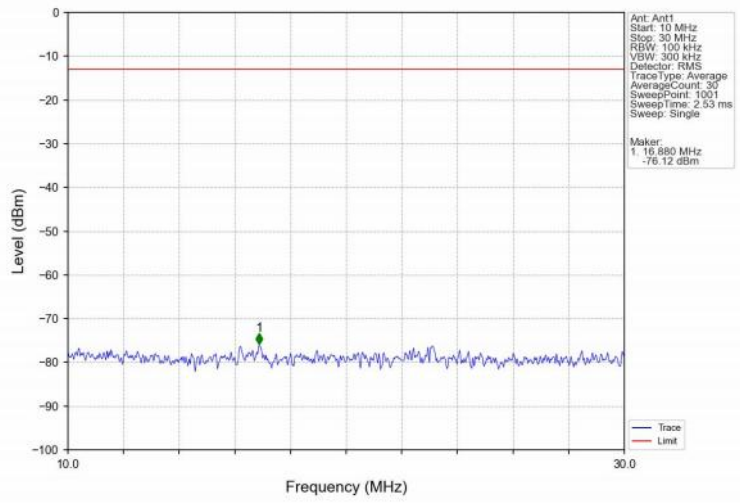
Band2_1.4MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



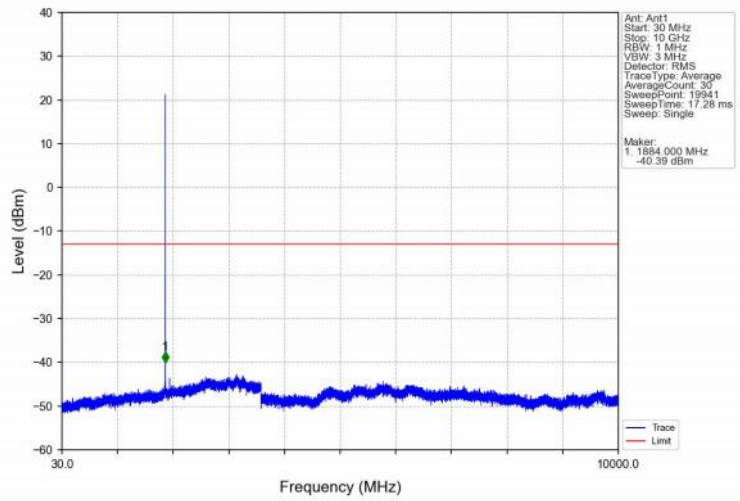
Band2_1.4MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



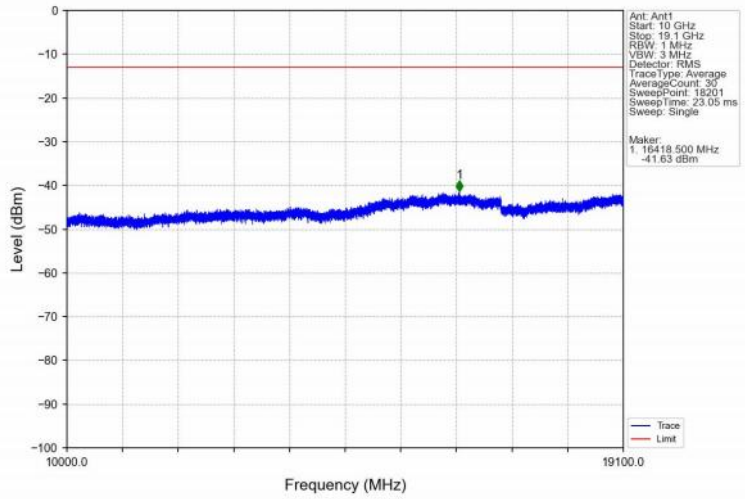
Band2_1.4MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



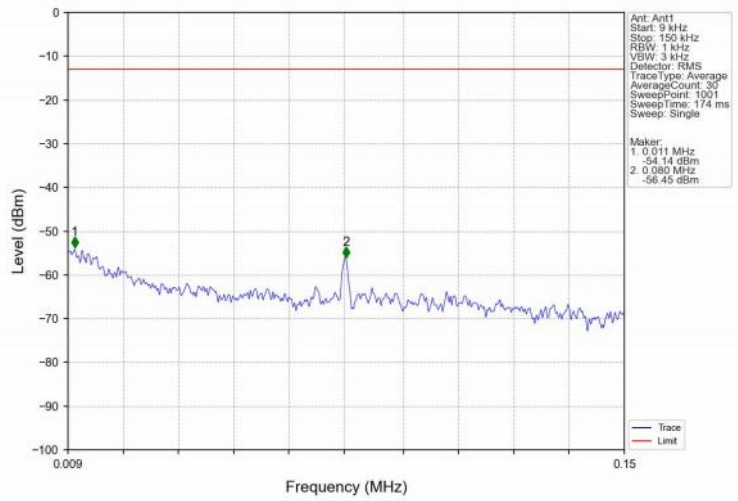
Band2_1.4MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



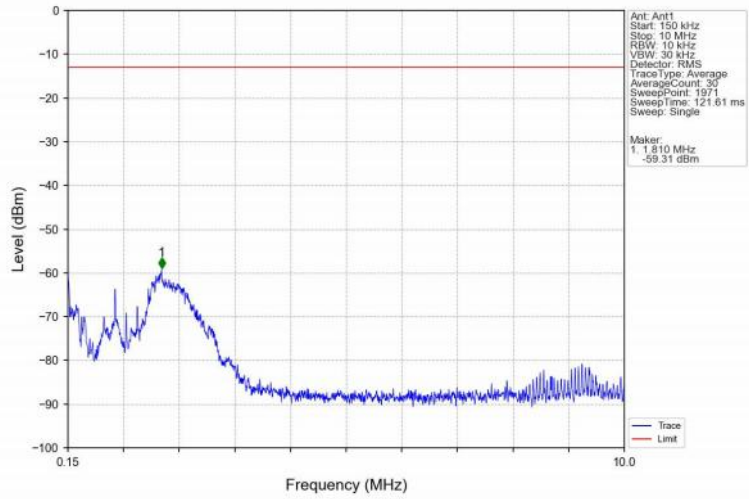
Band2_1.4MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



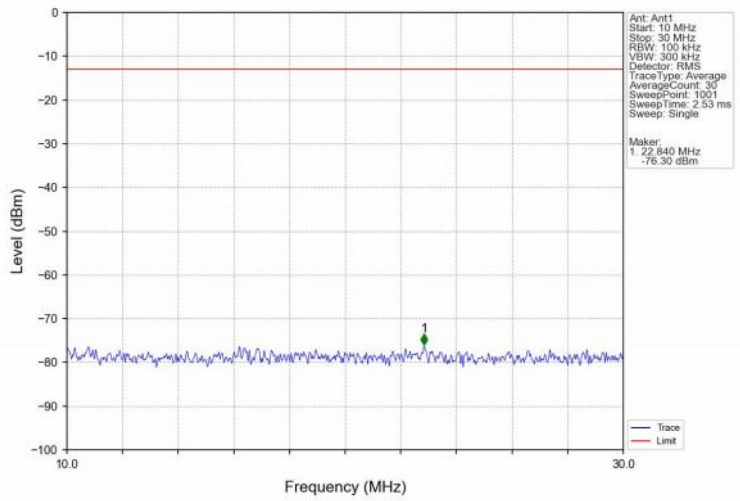
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV



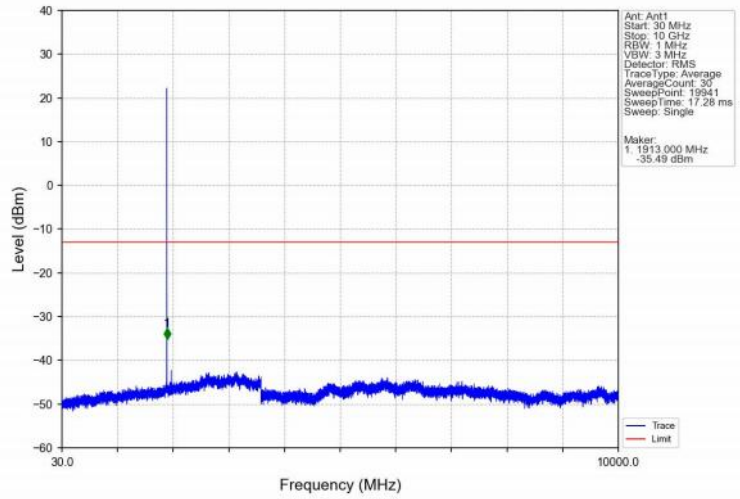
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV



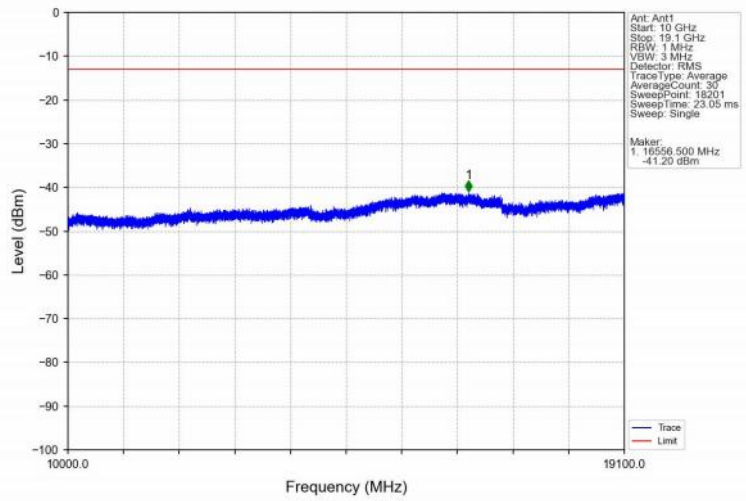
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV



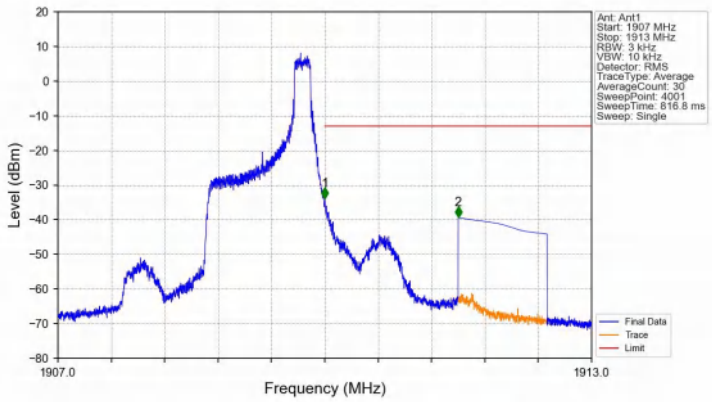
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV



Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV

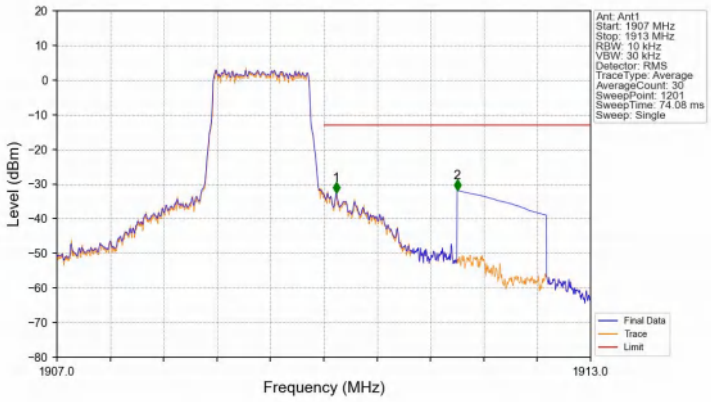


Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_5_NTNV



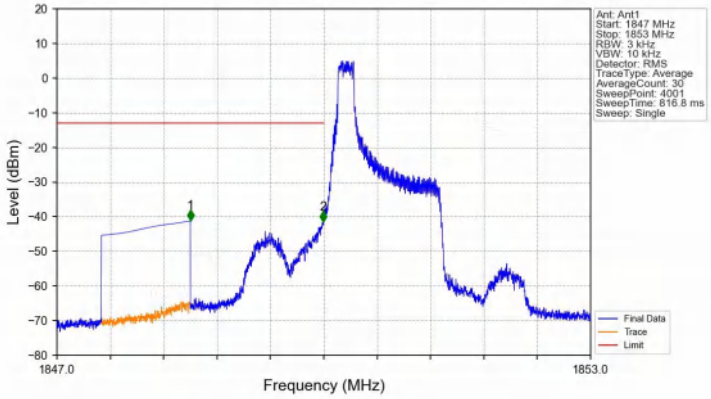
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.003	-33.94	-13	Pass
1911	1913	1	CHP	2	1911.500	-39.38	-13	Pass

Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



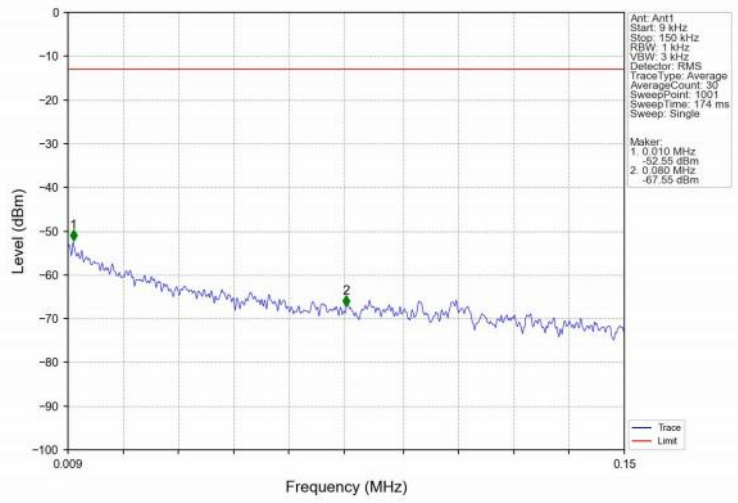
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.013	CHP	/	/	/	/	/
1910	1911	0.013	CHP	1	1910.140	-32.63	-13	Pass
1911	1913	1	CHP	2	1911.500	-31.82	-13	Pass

Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_1_0_NTNV

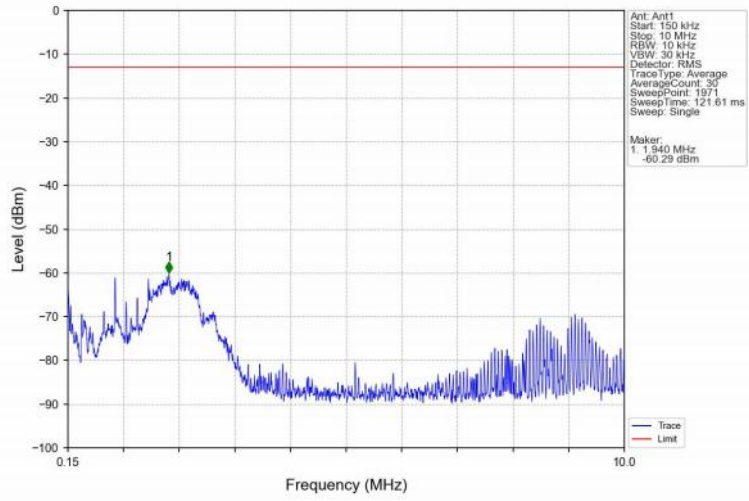


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.500	-41.23	-13	Pass
1849	1850	0.003	/	2	1849.994	-41.50	-13	Pass
1850	1853	0.003	/	/	/	/	/	/

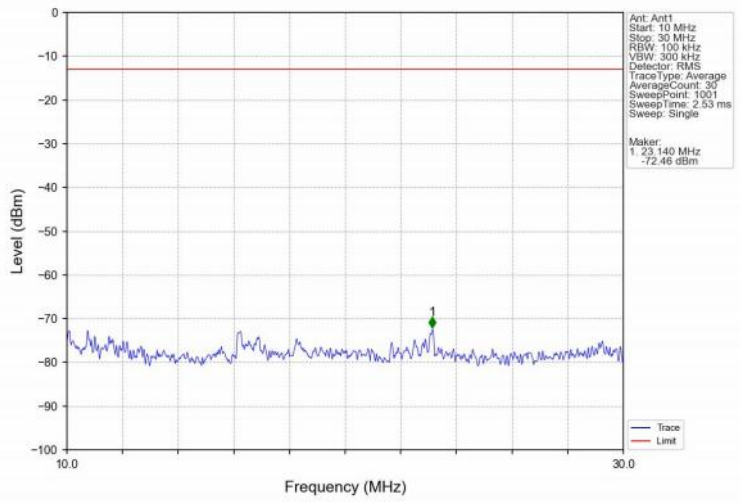
Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_1_0_NTNV



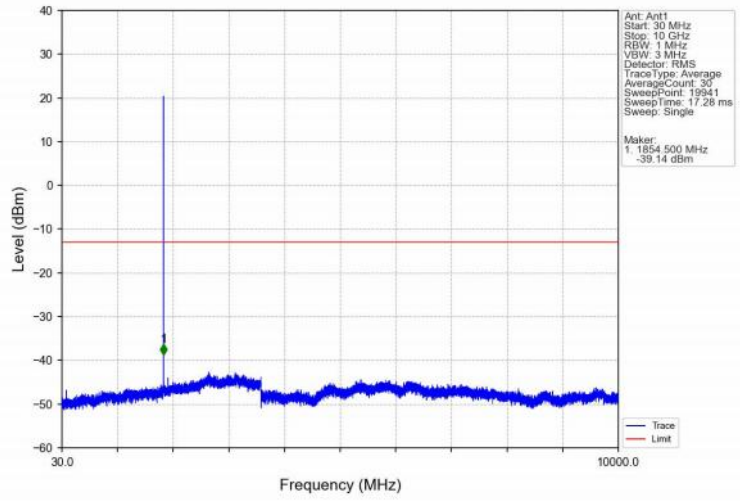
Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_1_0_NTNV



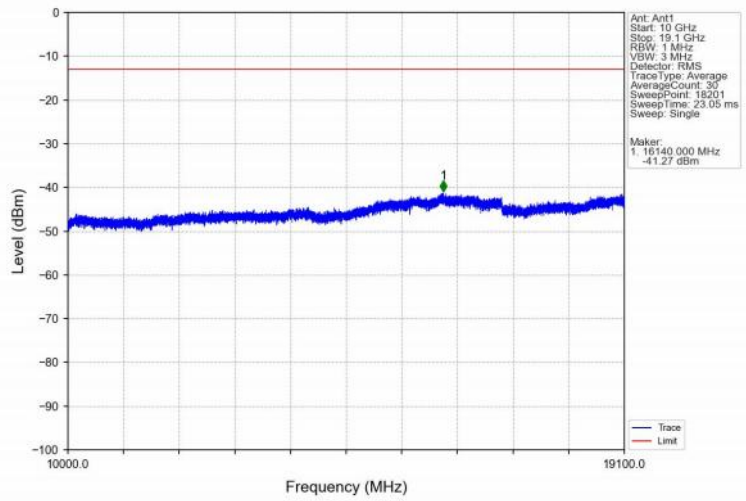
Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_1_0_NTNV



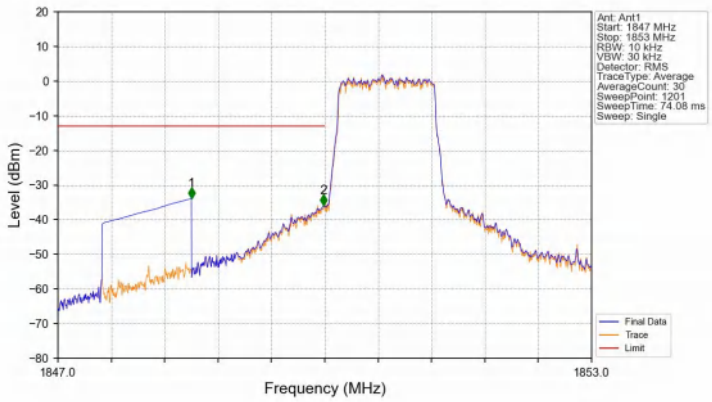
Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_1_0_NTNV



Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_1_0_NTNV

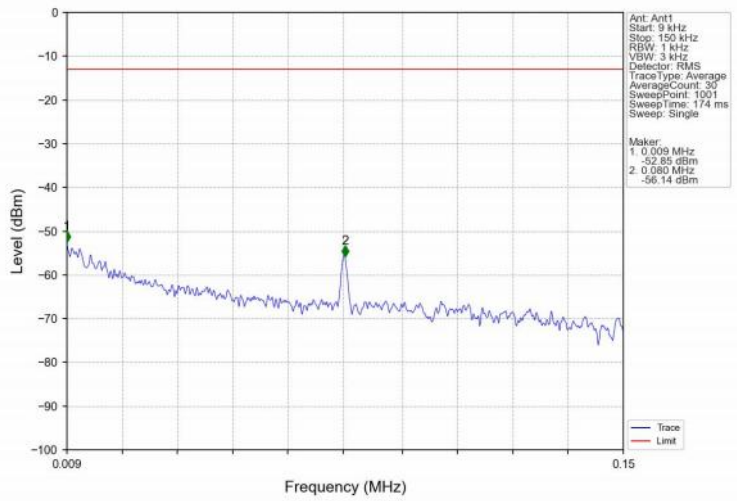


Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV

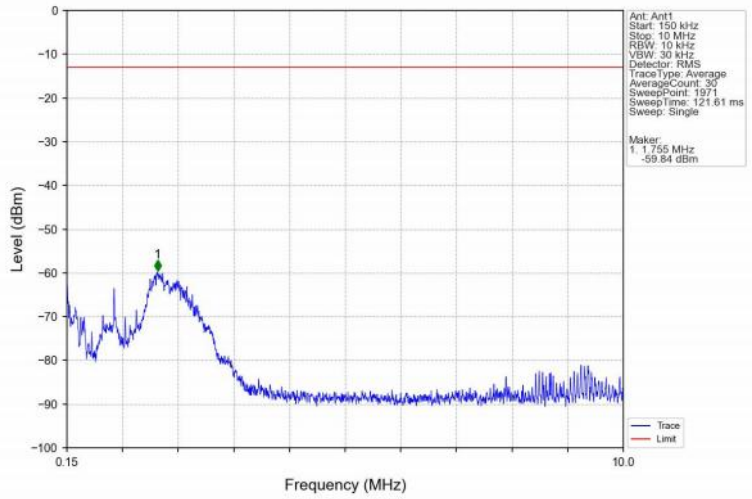


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.500	-33.92	-13	Pass
1849	1850	0.013	CHP	2	1849.985	-35.85	-13	Pass
1850	1853	0.013	CHP	/	/	/	/	/

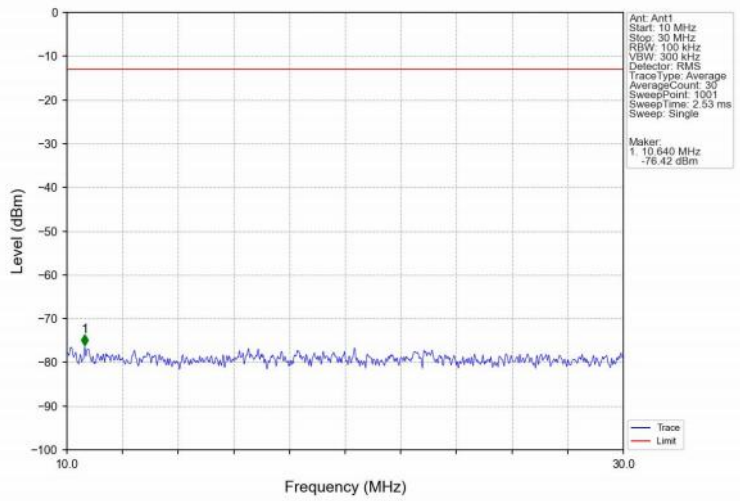
Band2_1.4MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV



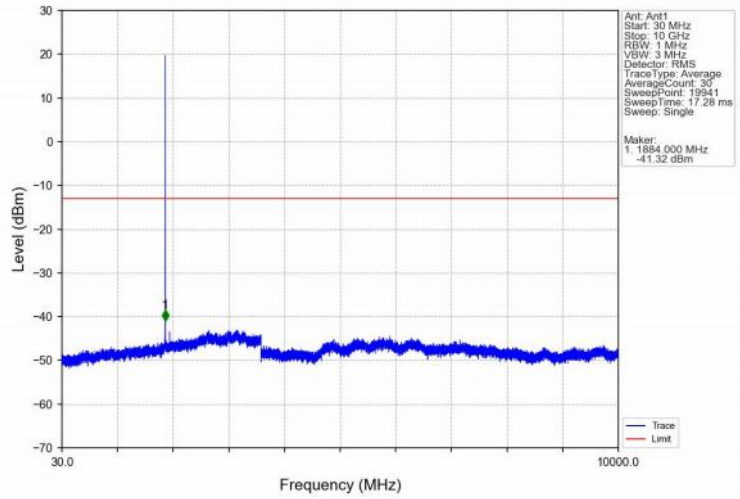
Band2_1.4MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV



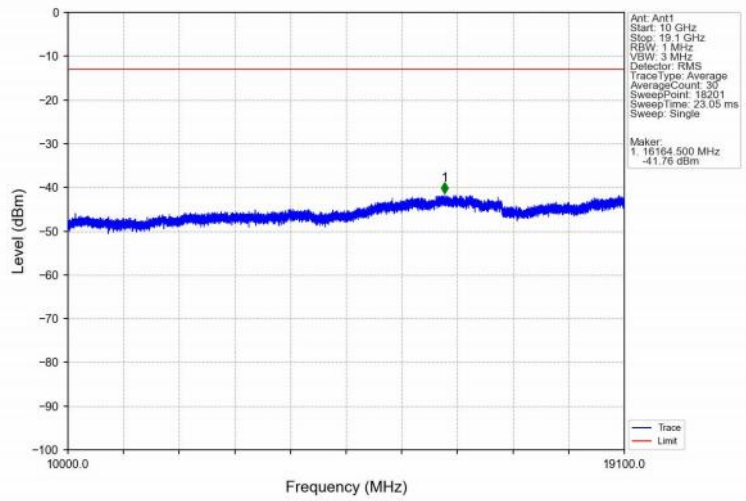
Band2_1.4MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV



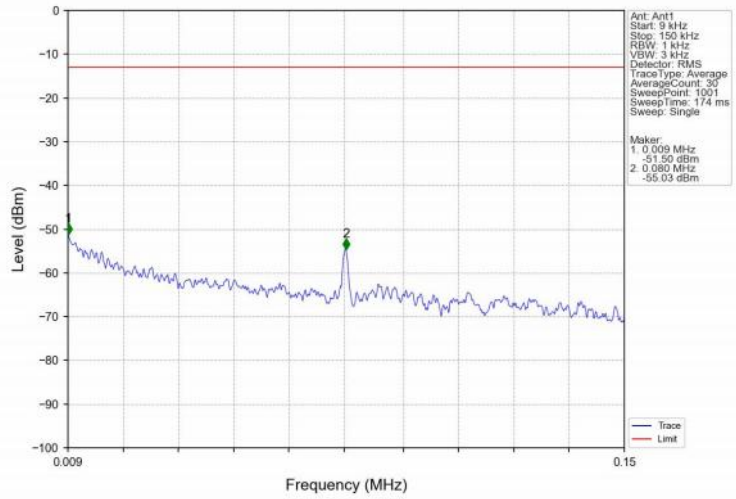
Band2_1.4MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV



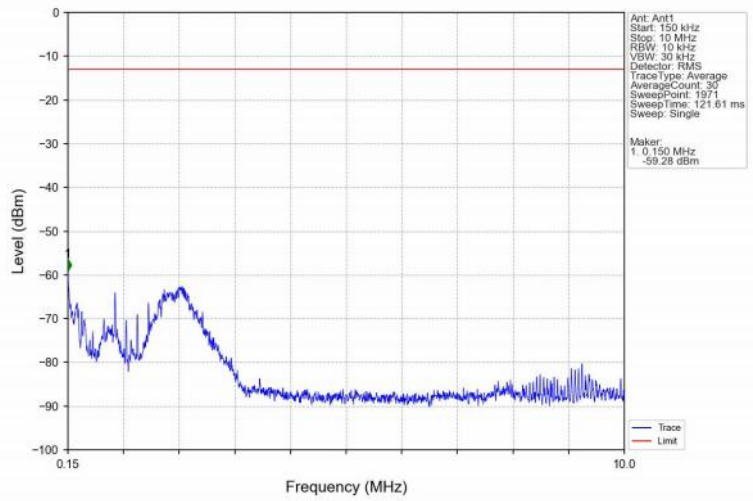
Band2_1.4MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV



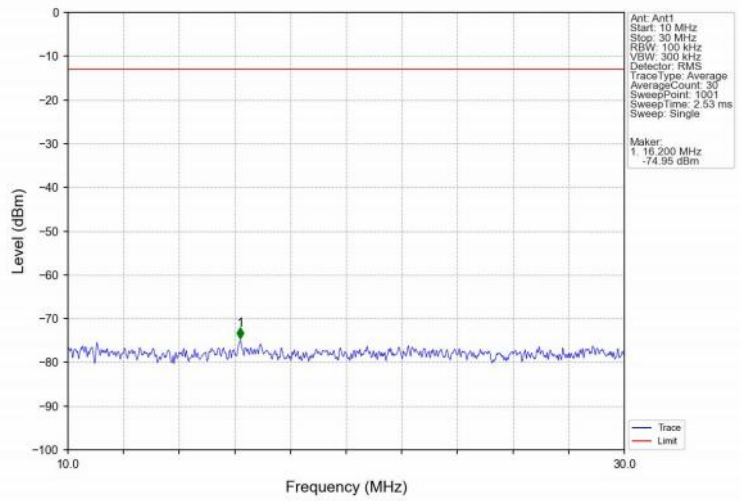
Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_1_0_NTNV



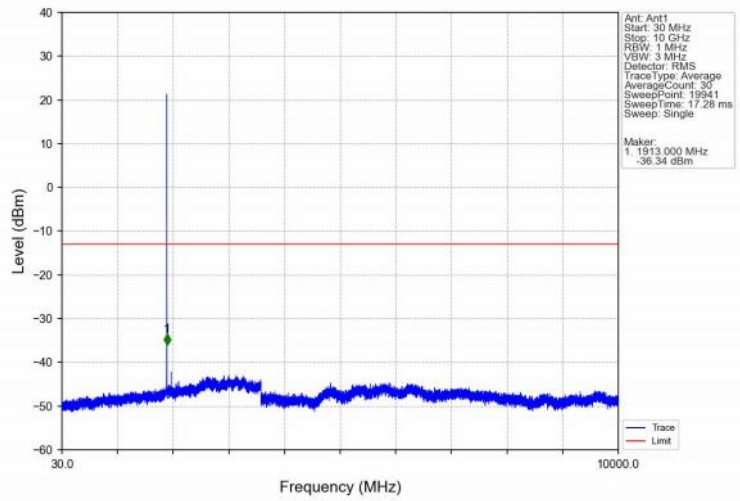
Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_1_0_NTNV



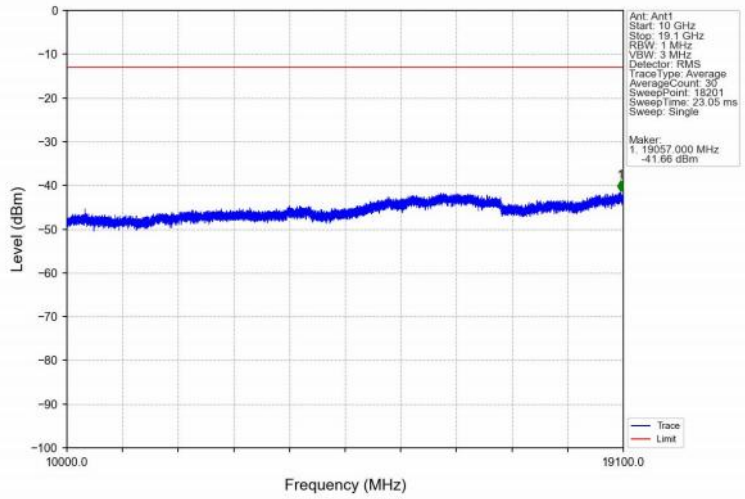
Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_1_0_NTNV



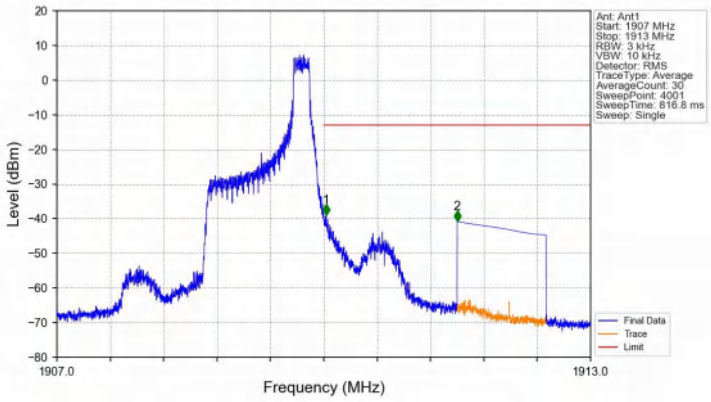
Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_1_0_NTNV



Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_1_0_NTNV

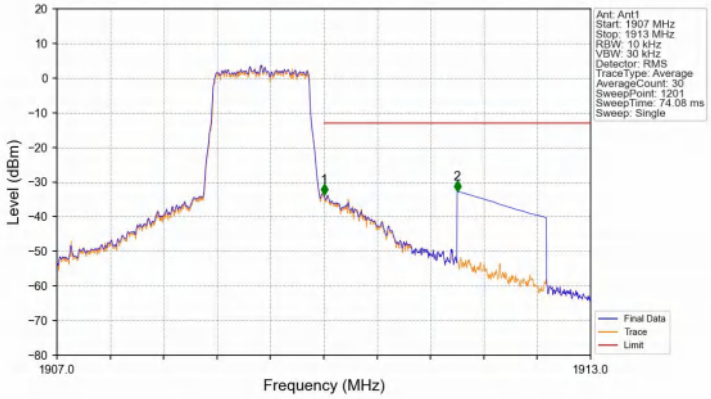


Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.027	-38.99	-13	Pass
1911	1913	1	CHP	2	1911.500	-40.77	-13	Pass

Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV



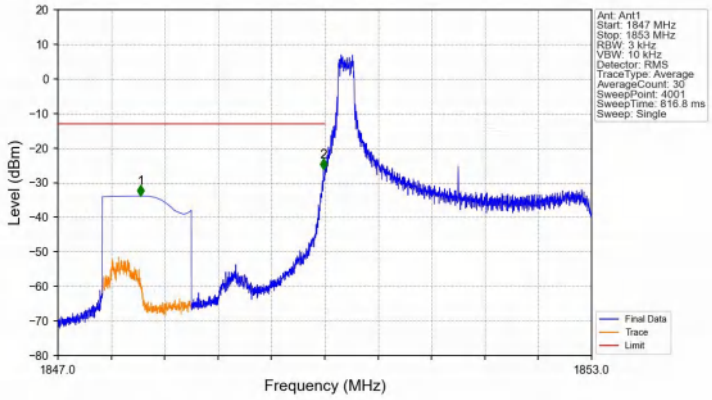
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.013	CHP	/	/	/	/	/
1910	1911	0.013	CHP	1	1910.005	-33.71	-13	Pass
1911	1913	1	CHP	2	1911.500	-32.72	-13	Pass

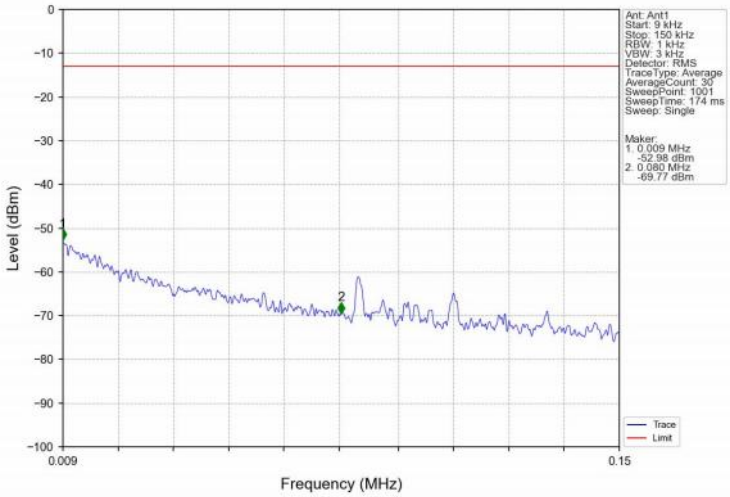
Total or partial reproduction of this document without permission of the Laboratory is not allowed.

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

6.2.2 B2_3MHz

Band2_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1847.930	-33.89	-13	Pass
1849	1850	0.003	/	2	1849.986	-26.16	-13	Pass
1850	1853	0.003	/	/	/	/	/	/

Band2_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV