

Appendix - LTE Band_25

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B25_1.4MHz_EIRP

Band: 25 / 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	21.69	-1.62	20.07	<=33.01	Pass
			2	21.83	-1.62	20.21	<=33.01	Pass
			5	21.78	-1.62	20.16	<=33.01	Pass
		3	0	21.87	-1.62	20.25	<=33.01	Pass
			2	21.89	-1.62	20.27	<=33.01	Pass
			3	21.89	-1.62	20.27	<=33.01	Pass
		6	0	20.82	-1.62	19.20	<=33.01	Pass
	1882.5	1	0	22.25	-1.62	20.63	<=33.01	Pass
			2	22.35	-1.62	20.73	<=33.01	Pass
			5	22.27	-1.62	20.65	<=33.01	Pass
		3	0	22.42	-1.62	20.80	<=33.01	Pass
			2	22.42	-1.62	20.80	<=33.01	Pass
			3	22.40	-1.62	20.78	<=33.01	Pass
		6	0	21.37	-1.62	19.75	<=33.01	Pass
	1914.3	1	0	22.82	-1.62	21.20	<=33.01	Pass
			2	22.95	-1.62	21.33	<=33.01	Pass
			5	22.81	-1.62	21.19	<=33.01	Pass
		3	0	22.80	-1.62	21.18	<=33.01	Pass
			2	22.83	-1.62	21.21	<=33.01	Pass
			3	22.81	-1.62	21.19	<=33.01	Pass
		6	0	21.81	-1.62	20.19	<=33.01	Pass
16QAM	1850.7	1	0	20.91	-1.62	19.29	<=33.01	Pass
			2	20.99	-1.62	19.37	<=33.01	Pass
			5	20.94	-1.62	19.32	<=33.01	Pass
		3	0	20.82	-1.62	19.20	<=33.01	Pass
			2	20.84	-1.62	19.22	<=33.01	Pass
			3	20.85	-1.62	19.23	<=33.01	Pass
		6	0	19.86	-1.62	18.24	<=33.01	Pass
	1882.5	1	0	21.27	-1.62	19.65	<=33.01	Pass
			2	21.42	-1.62	19.80	<=33.01	Pass
			5	21.32	-1.62	19.70	<=33.01	Pass
		3	0	21.59	-1.62	19.97	<=33.01	Pass
			2	21.64	-1.62	20.02	<=33.01	Pass
			3	21.63	-1.62	20.01	<=33.01	Pass
		6	0	20.36	-1.62	18.74	<=33.01	Pass
	1914.3	1	0	21.73	-1.62	20.11	<=33.01	Pass
			2	21.83	-1.62	20.21	<=33.01	Pass
			5	21.77	-1.62	20.15	<=33.01	Pass
		3	0	21.80	-1.62	20.18	<=33.01	Pass
			2	21.76	-1.62	20.14	<=33.01	Pass
			3	21.77	-1.62	20.15	<=33.01	Pass
		6	0	20.71	-1.62	19.09	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B25_3MHz_EIRP

Band: 25 / Bandwidth: 3MHz / NTNV								
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Version: 1/00

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1851.5	1	0	21.85	-1.62	20.23	<=33.01	Pass
			7	21.99	-1.62	20.37	<=33.01	Pass
			14	21.84	-1.62	20.22	<=33.01	Pass
		8	0	20.81	-1.62	19.19	<=33.01	Pass
			4	20.88	-1.62	19.26	<=33.01	Pass
			7	20.84	-1.62	19.22	<=33.01	Pass
		15	0	20.81	-1.62	19.19	<=33.01	Pass
	1882.5	1	0	22.30	-1.62	20.68	<=33.01	Pass
			7	22.49	-1.62	20.87	<=33.01	Pass
			14	22.40	-1.62	20.78	<=33.01	Pass
		8	0	21.35	-1.62	19.73	<=33.01	Pass
			4	21.46	-1.62	19.84	<=33.01	Pass
			7	21.39	-1.62	19.77	<=33.01	Pass
		15	0	21.39	-1.62	19.77	<=33.01	Pass
	1913.5	1	0	22.85	-1.62	21.23	<=33.01	Pass
			7	22.95	-1.62	21.33	<=33.01	Pass
			14	22.82	-1.62	21.20	<=33.01	Pass
		8	0	21.84	-1.62	20.22	<=33.01	Pass
			4	21.89	-1.62	20.27	<=33.01	Pass
			7	21.84	-1.62	20.22	<=33.01	Pass
		15	0	21.83	-1.62	20.21	<=33.01	Pass
16QAM	1851.5	1	0	20.84	-1.62	19.22	<=33.01	Pass
			7	21.03	-1.62	19.41	<=33.01	Pass
			14	20.89	-1.62	19.27	<=33.01	Pass
		8	0	19.90	-1.62	18.28	<=33.01	Pass
			4	19.96	-1.62	18.34	<=33.01	Pass
			7	19.88	-1.62	18.26	<=33.01	Pass
		15	0	19.91	-1.62	18.29	<=33.01	Pass
	1882.5	1	0	21.54	-1.62	19.92	<=33.01	Pass
			7	21.71	-1.62	20.09	<=33.01	Pass
			14	21.55	-1.62	19.93	<=33.01	Pass
		8	0	20.36	-1.62	18.74	<=33.01	Pass
			4	20.44	-1.62	18.82	<=33.01	Pass
			7	20.39	-1.62	18.77	<=33.01	Pass
		15	0	20.36	-1.62	18.74	<=33.01	Pass
	1913.5	1	0	22.27	-1.62	20.65	<=33.01	Pass
			7	22.34	-1.62	20.72	<=33.01	Pass
			14	22.17	-1.62	20.55	<=33.01	Pass
		8	0	20.96	-1.62	19.34	<=33.01	Pass
			4	21.01	-1.62	19.39	<=33.01	Pass
			7	20.99	-1.62	19.37	<=33.01	Pass
		15	0	20.87	-1.62	19.25	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B25_5MHz_EIRP

Band: 25 / 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	21.79	-1.62	20.17	<=33.01	Pass
			13	21.93	-1.62	20.31	<=33.01	Pass
			24	21.88	-1.62	20.26	<=33.01	Pass
		12	0	20.82	-1.62	19.20	<=33.01	Pass
			6	20.95	-1.62	19.33	<=33.01	Pass
			13	20.88	-1.62	19.26	<=33.01	Pass
		25	0	20.87	-1.62	19.25	<=33.01	Pass
	1882.5	1	0	22.22	-1.62	20.60	<=33.01	Pass
			0	22.22	-1.62	20.60	<=33.01	Pass

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16QAM	1912.5		13	22.40	-1.62	20.78	<=33.01	Pass
			24	22.37	-1.62	20.75	<=33.01	Pass
		12	0	21.38	-1.62	19.76	<=33.01	Pass
			6	21.48	-1.62	19.86	<=33.01	Pass
		25	13	21.47	-1.62	19.85	<=33.01	Pass
			0	21.42	-1.62	19.80	<=33.01	Pass
		1	0	22.75	-1.62	21.13	<=33.01	Pass
			13	22.87	-1.62	21.25	<=33.01	Pass
			24	22.77	-1.62	21.15	<=33.01	Pass
		12	0	21.85	-1.62	20.23	<=33.01	Pass
			6	21.87	-1.62	20.25	<=33.01	Pass
			13	21.83	-1.62	20.21	<=33.01	Pass
		25	0	21.79	-1.62	20.17	<=33.01	Pass
	1852.5	1	0	20.82	-1.62	19.20	<=33.01	Pass
			13	21.02	-1.62	19.40	<=33.01	Pass
			24	20.96	-1.62	19.34	<=33.01	Pass
		12	0	19.80	-1.62	18.18	<=33.01	Pass
			6	19.88	-1.62	18.26	<=33.01	Pass
			13	19.87	-1.62	18.25	<=33.01	Pass
		25	0	19.92	-1.62	18.30	<=33.01	Pass
	1882.5	1	0	21.57	-1.62	19.95	<=33.01	Pass
			13	21.74	-1.62	20.12	<=33.01	Pass
			24	21.69	-1.62	20.07	<=33.01	Pass
		12	0	20.40	-1.62	18.78	<=33.01	Pass
			6	20.51	-1.62	18.89	<=33.01	Pass
			13	20.50	-1.62	18.88	<=33.01	Pass
		25	0	20.43	-1.62	18.81	<=33.01	Pass
	1912.5	1	0	21.53	-1.62	19.91	<=33.01	Pass
			13	21.67	-1.62	20.05	<=33.01	Pass
			24	21.58	-1.62	19.96	<=33.01	Pass
		12	0	20.82	-1.62	19.20	<=33.01	Pass
			6	20.84	-1.62	19.22	<=33.01	Pass
			13	20.76	-1.62	19.14	<=33.01	Pass
		25	0	20.86	-1.62	19.24	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B25_10MHz_EIRP

Band: 25 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1855	1	0	21.84	-1.62	20.22	<=33.01	Pass
			25	22.14	-1.62	20.52	<=33.01	Pass
			49	22.01	-1.62	20.39	<=33.01	Pass
		25	0	20.90	-1.62	19.28	<=33.01	Pass
			13	21.00	-1.62	19.38	<=33.01	Pass
			25	21.07	-1.62	19.45	<=33.01	Pass
		50	0	21.04	-1.62	19.42	<=33.01	Pass
	1882.5	1	0	22.27	-1.62	20.65	<=33.01	Pass
			25	22.55	-1.62	20.93	<=33.01	Pass
			49	22.50	-1.62	20.88	<=33.01	Pass
		25	0	21.43	-1.62	19.81	<=33.01	Pass
			13	21.52	-1.62	19.90	<=33.01	Pass
			25	21.55	-1.62	19.93	<=33.01	Pass
		50	0	21.56	-1.62	19.94	<=33.01	Pass
	1910	1	0	22.78	-1.62	21.16	<=33.01	Pass
			25	23.12	-1.62	21.50	<=33.01	Pass
			49	22.88	-1.62	21.26	<=33.01	Pass
		25	0	21.91	-1.62	20.29	<=33.01	Pass

16QAM	1855	50	13	21.89	-1.62	20.27	<=33.01	Pass
			25	21.83	-1.62	20.21	<=33.01	Pass
			0	21.88	-1.62	20.26	<=33.01	Pass
		1	0	20.85	-1.62	19.23	<=33.01	Pass
			25	21.15	-1.62	19.53	<=33.01	Pass
			49	21.02	-1.62	19.40	<=33.01	Pass
		25	0	20.02	-1.62	18.40	<=33.01	Pass
			13	20.12	-1.62	18.50	<=33.01	Pass
			25	20.15	-1.62	18.53	<=33.01	Pass
		50	0	20.04	-1.62	18.42	<=33.01	Pass
	1882.5	1	0	21.48	-1.62	19.86	<=33.01	Pass
			25	21.78	-1.62	20.16	<=33.01	Pass
			49	21.71	-1.62	20.09	<=33.01	Pass
		25	0	20.46	-1.62	18.84	<=33.01	Pass
			13	20.52	-1.62	18.90	<=33.01	Pass
			25	20.56	-1.62	18.94	<=33.01	Pass
		50	0	20.55	-1.62	18.93	<=33.01	Pass
	1910	1	0	22.23	-1.62	20.61	<=33.01	Pass
			25	22.47	-1.62	20.85	<=33.01	Pass
			49	22.27	-1.62	20.65	<=33.01	Pass
		25	0	20.94	-1.62	19.32	<=33.01	Pass
			13	20.92	-1.62	19.30	<=33.01	Pass
			25	20.87	-1.62	19.25	<=33.01	Pass
		50	0	20.91	-1.62	19.29	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B25_15MHz_EIRP

Band: 25 / 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	21.83	-1.62	20.21	<=33.01	Pass
			38	22.04	-1.62	20.42	<=33.01	Pass
			74	21.97	-1.62	20.35	<=33.01	Pass
		36	0	21.03	-1.62	19.41	<=33.01	Pass
			18	21.05	-1.62	19.43	<=33.01	Pass
			39	21.16	-1.62	19.54	<=33.01	Pass
		75	0	21.09	-1.62	19.47	<=33.01	Pass
	1882.5	1	0	22.19	-1.62	20.57	<=33.01	Pass
			38	22.48	-1.62	20.86	<=33.01	Pass
			74	22.52	-1.62	20.90	<=33.01	Pass
		36	0	21.39	-1.62	19.77	<=33.01	Pass
			18	21.54	-1.62	19.92	<=33.01	Pass
			39	21.62	-1.62	20.00	<=33.01	Pass
		75	0	21.51	-1.62	19.89	<=33.01	Pass
	1907.5	1	0	22.72	-1.62	21.10	<=33.01	Pass
			38	22.86	-1.62	21.24	<=33.01	Pass
			74	22.85	-1.62	21.23	<=33.01	Pass
		36	0	21.98	-1.62	20.36	<=33.01	Pass
			18	22.04	-1.62	20.42	<=33.01	Pass
			39	21.97	-1.62	20.35	<=33.01	Pass
		75	0	21.97	-1.62	20.35	<=33.01	Pass
16QAM	1857.5	1	0	21.16	-1.62	19.54	<=33.01	Pass
			38	21.39	-1.62	19.77	<=33.01	Pass
			74	21.27	-1.62	19.65	<=33.01	Pass
		36	0	19.97	-1.62	18.35	<=33.01	Pass
			18	20.01	-1.62	18.39	<=33.01	Pass
			39	20.07	-1.62	18.45	<=33.01	Pass
		75	0	20.05	-1.62	18.43	<=33.01	Pass

	1882.5	1	0	21.39	-1.62	19.77	<=33.01	Pass
			38	21.64	-1.62	20.02	<=33.01	Pass
			74	21.70	-1.62	20.08	<=33.01	Pass
		36	0	20.40	-1.62	18.78	<=33.01	Pass
			18	20.51	-1.62	18.89	<=33.01	Pass
			39	20.60	-1.62	18.98	<=33.01	Pass
		75	0	20.53	-1.62	18.91	<=33.01	Pass
	1907.5	1	0	22.18	-1.62	20.56	<=33.01	Pass
			38	22.28	-1.62	20.66	<=33.01	Pass
			74	22.28	-1.62	20.66	<=33.01	Pass
		36	0	20.86	-1.62	19.24	<=33.01	Pass
			18	20.97	-1.62	19.35	<=33.01	Pass
			39	20.90	-1.62	19.28	<=33.01	Pass
		75	0	20.95	-1.62	19.33	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.6 B25_20MHz_EIRP

Band: 25 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1860	1	0	21.72	-1.62	20.10	<=33.01	Pass
			50	22.15	-1.62	20.53	<=33.01	Pass
			99	21.94	-1.62	20.32	<=33.01	Pass
		50	0	20.88	-1.62	19.26	<=33.01	Pass
			25	21.06	-1.62	19.44	<=33.01	Pass
			50	21.08	-1.62	19.46	<=33.01	Pass
		100	0	21.06	-1.62	19.44	<=33.01	Pass
	1882.5	1	0	22.08	-1.62	20.46	<=33.01	Pass
			50	22.61	-1.62	20.99	<=33.01	Pass
			99	22.50	-1.62	20.88	<=33.01	Pass
		50	0	21.39	-1.62	19.77	<=33.01	Pass
			25	21.54	-1.62	19.92	<=33.01	Pass
			50	21.58	-1.62	19.96	<=33.01	Pass
		100	0	21.47	-1.62	19.85	<=33.01	Pass
	1905	1	0	22.59	-1.62	20.97	<=33.01	Pass
			50	22.99	-1.62	21.37	<=33.01	Pass
			99	22.75	-1.62	21.13	<=33.01	Pass
		50	0	21.80	-1.62	20.18	<=33.01	Pass
			25	21.82	-1.62	20.20	<=33.01	Pass
			50	21.77	-1.62	20.15	<=33.01	Pass
		100	0	21.82	-1.62	20.20	<=33.01	Pass
16QAM	1860	1	0	21.26	-1.62	19.64	<=33.01	Pass
			50	21.67	-1.62	20.05	<=33.01	Pass
			99	21.47	-1.62	19.85	<=33.01	Pass
		50	0	19.89	-1.62	18.27	<=33.01	Pass
			25	20.05	-1.62	18.43	<=33.01	Pass
			50	20.11	-1.62	18.49	<=33.01	Pass
		100	0	20.02	-1.62	18.40	<=33.01	Pass
	1882.5	1	0	21.24	-1.62	19.62	<=33.01	Pass
			50	21.84	-1.62	20.22	<=33.01	Pass
			99	21.70	-1.62	20.08	<=33.01	Pass
		50	0	20.38	-1.62	18.76	<=33.01	Pass
			25	20.49	-1.62	18.87	<=33.01	Pass
			50	20.60	-1.62	18.98	<=33.01	Pass
		100	0	20.47	-1.62	18.85	<=33.01	Pass
	1905	1	0	21.86	-1.62	20.24	<=33.01	Pass
			50	22.20	-1.62	20.58	<=33.01	Pass
			99	21.95	-1.62	20.33	<=33.01	Pass

		50	0	20.83	-1.62	19.21	<=33.01	Pass
			25	20.80	-1.62	19.18	<=33.01	Pass
			50	20.78	-1.62	19.16	<=33.01	Pass
		100	0	20.78	-1.62	19.16	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B25_1.4MHz

Band: 25 / 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	-9.742	-0.0053	-2.5 to 2.5	Pass
					3.85	-6.495	-0.0035	-2.5 to 2.5	Pass
					4.43	-35.777	-0.0193	-2.5 to 2.5	Pass
				-30	3.85	-8.740	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-4.778	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-6.595	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-4.849	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-6.237	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-7.024	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-5.336	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-3.519	-0.0019	-2.5 to 2.5	Pass
	1882.5	6	0	20	3.27	-13.433	-0.0071	-2.5 to 2.5	Pass
					3.85	-10.543	-0.0056	-2.5 to 2.5	Pass
					4.43	-8.368	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-11.501	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-8.240	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	1.674	0.0009	-2.5 to 2.5	Pass
				0	3.85	-7.181	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-11.959	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-7.224	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-5.307	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-7.968	-0.0042	-2.5 to 2.5	Pass
	1914.3	6	0	20	3.27	-2.289	-0.0012	-2.5 to 2.5	Pass
					3.85	8.211	0.0043	-2.5 to 2.5	Pass
					4.43	-6.552	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-2.975	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-6.680	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-8.926	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-1.860	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.917	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-4.935	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-2.675	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-7.739	-0.0040	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.27	-5.364	-0.0029	-2.5 to 2.5	Pass
					3.85	-8.640	-0.0047	-2.5 to 2.5	Pass
					4.43	-9.656	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-10.042	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-4.349	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-9.027	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-5.279	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-9.427	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-10.357	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-9.441	-0.0051	-2.5 to 2.5	Pass

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Version: 1/00

	1882.5	6	0	50	3.85	-4.277	-0.0023	-2.5 to 2.5	Pass
				20	3.27	-8.855	-0.0047	-2.5 to 2.5	Pass
					3.85	-6.409	-0.0034	-2.5 to 2.5	Pass
					4.43	-7.339	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-5.107	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-6.566	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-8.712	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-8.683	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-7.896	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-4.678	-0.0025	-2.5 to 2.5	Pass
	1914.3	6	0	40	3.85	-7.195	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-7.854	-0.0042	-2.5 to 2.5	Pass
				20	3.27	-4.892	-0.0026	-2.5 to 2.5	Pass
					3.85	-3.762	-0.0020	-2.5 to 2.5	Pass
					4.43	-3.133	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	12.360	0.0065	-2.5 to 2.5	Pass
				-10	3.85	-11.172	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-3.476	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass

2.1.2 B25_3MHz

Band: 25 / 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	-9.971	-0.0054	-2.5 to 2.5	Pass
					3.85	-11.029	-0.0060	-2.5 to 2.5	Pass
					4.43	-3.805	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-2.289	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	1.216	0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-10.514	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-15.221	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-9.885	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-8.383	-0.0045	-2.5 to 2.5	Pass
	1882.5	15	0	50	3.85	-9.713	-0.0052	-2.5 to 2.5	Pass
				20	3.27	-6.108	-0.0032	-2.5 to 2.5	Pass
					3.85	-5.865	-0.0031	-2.5 to 2.5	Pass
					4.43	-9.298	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-9.770	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-8.984	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-10.486	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-2.360	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-2.747	-0.0015	-2.5 to 2.5	Pass
	1913.5	15	0	40	3.85	-10.786	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-10.800	-0.0057	-2.5 to 2.5	Pass
				20	3.27	-0.029	0.0000	-2.5 to 2.5	Pass
					3.85	0.844	0.0004	-2.5 to 2.5	Pass
					4.43	-5.436	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-4.935	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-3.047	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-4.721	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-4.478	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-0.272	-0.0001	-2.5 to 2.5	Pass

16QAM	1851.5	15	0	30	3.85	-7.839	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-5.679	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-10.328	-0.0054	-2.5 to 2.5	Pass
	1882.5	15	0	20	3.27	-8.998	-0.0049	-2.5 to 2.5	Pass
					3.85	-5.050	-0.0027	-2.5 to 2.5	Pass
					4.43	4.649	0.0025	-2.5 to 2.5	Pass
				-30	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-8.154	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-6.537	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-4.563	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-8.383	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-9.413	-0.0051	-2.5 to 2.5	Pass
				40	3.85	2.360	0.0013	-2.5 to 2.5	Pass
				50	3.85	-4.406	-0.0024	-2.5 to 2.5	Pass
				20	3.27	1.860	0.0010	-2.5 to 2.5	Pass
					3.85	-10.557	-0.0056	-2.5 to 2.5	Pass
					4.43	-4.220	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-8.898	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	3.791	0.0020	-2.5 to 2.5	Pass
				-10	3.85	-2.217	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-1.845	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-12.946	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-11.802	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-19.112	-0.0102	-2.5 to 2.5	Pass
				50	3.85	-9.069	-0.0048	-2.5 to 2.5	Pass
	1913.5	15	0	20	3.27	-4.177	-0.0022	-2.5 to 2.5	Pass
					3.85	-14.734	-0.0077	-2.5 to 2.5	Pass
					4.43	-2.046	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-1.774	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-12.360	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-13.561	-0.0071	-2.5 to 2.5	Pass
				0	3.85	-11.129	-0.0058	-2.5 to 2.5	Pass
				10	3.85	0.730	0.0004	-2.5 to 2.5	Pass
				30	3.85	-13.247	-0.0069	-2.5 to 2.5	Pass
				40	3.85	-9.999	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-15.392	-0.0080	-2.5 to 2.5	Pass

2.1.3 B25_5MHz

Band: 25 / 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	-10.057	-0.0054	-2.5 to 2.5	Pass
					3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
					4.43	-4.678	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-12.474	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-1.531	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-6.294	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-6.022	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-13.032	-0.0070	-2.5 to 2.5	Pass
				30	3.85	-2.532	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-10.958	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-7.968	-0.0043	-2.5 to 2.5	Pass
	1882.5	25	0	20	3.27	-7.381	-0.0039	-2.5 to 2.5	Pass
					3.85	-7.167	-0.0038	-2.5 to 2.5	Pass
					4.43	-4.735	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-4.520	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-3.862	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-5.436	-0.0029	-2.5 to 2.5	Pass

				0	3.85	-7.067	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-4.506	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-10.858	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-4.506	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-6.166	-0.0033	-2.5 to 2.5	Pass
	1912.5	25	0	20	3.27	-10.242	-0.0054	-2.5 to 2.5	Pass
					3.85	-14.291	-0.0075	-2.5 to 2.5	Pass
					4.43	-6.552	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-12.774	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-11.230	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-9.642	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-7.510	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-7.153	-0.0037	-2.5 to 2.5	Pass
				30	3.85	26.121	0.0137	-2.5 to 2.5	Pass
				40	3.85	-10.972	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-11.244	-0.0059	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	3.27	-10.171	-0.0055	-2.5 to 2.5	Pass
					3.85	-6.809	-0.0037	-2.5 to 2.5	Pass
					4.43	-8.554	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-3.619	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-6.680	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-10.099	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-6.108	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-10.457	-0.0056	-2.5 to 2.5	Pass
				30	3.85	-14.520	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-7.296	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-6.495	-0.0035	-2.5 to 2.5	Pass
	1882.5	25	0	20	3.27	-12.374	-0.0066	-2.5 to 2.5	Pass
					3.85	-7.396	-0.0039	-2.5 to 2.5	Pass
					4.43	-10.929	-0.0058	-2.5 to 2.5	Pass
				-30	3.85	-11.773	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-8.712	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-15.192	-0.0081	-2.5 to 2.5	Pass
				0	3.85	-6.981	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-8.984	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-8.097	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-11.959	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-11.072	-0.0059	-2.5 to 2.5	Pass
	1912.5	25	0	20	3.27	-11.401	-0.0060	-2.5 to 2.5	Pass
					3.85	-10.829	-0.0057	-2.5 to 2.5	Pass
					4.43	-12.245	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-13.876	-0.0073	-2.5 to 2.5	Pass
				-20	3.85	-10.414	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-10.500	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-12.875	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-8.712	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-10.386	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-10.099	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-12.288	-0.0064	-2.5 to 2.5	Pass

2.1.4 B25_10MHz

Band: 25 / 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	-5.636	-0.0030	-2.5 to 2.5	Pass
					3.85	-3.047	-0.0016	-2.5 to 2.5	Pass
					4.43	-2.861	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-2.918	-0.0016	-2.5 to 2.5	Pass

				-20	3.85	-4.663	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-5.536	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-3.119	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-3.734	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-3.920	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-5.908	-0.0032	-2.5 to 2.5	Pass
	1882.5	50	0	20	3.27	-4.992	-0.0027	-2.5 to 2.5	Pass
					3.85	-6.008	-0.0032	-2.5 to 2.5	Pass
					4.43	-12.031	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-3.433	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-11.845	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-7.381	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-10.729	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-10.800	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-9.727	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-9.942	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-8.240	-0.0044	-2.5 to 2.5	Pass
				20	3.27	-7.153	-0.0037	-2.5 to 2.5	Pass
					3.85	-5.279	-0.0028	-2.5 to 2.5	Pass
					4.43	-6.065	-0.0032	-2.5 to 2.5	Pass
	1910	50	0	-30	3.85	-6.037	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-6.566	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-12.918	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-8.483	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-6.824	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-5.679	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-12.059	-0.0063	-2.5 to 2.5	Pass
				50	3.85	-11.373	-0.0060	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	3.27	-5.736	-0.0031	-2.5 to 2.5	Pass
					3.85	-6.423	-0.0035	-2.5 to 2.5	Pass
					4.43	-3.376	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-2.618	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-2.131	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-2.475	-0.0013	-2.5 to 2.5	Pass
				0	3.85	2.561	0.0014	-2.5 to 2.5	Pass
				10	3.85	-3.834	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-3.748	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-1.917	-0.0010	-2.5 to 2.5	Pass
	1882.5	50	0	50	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
				20	3.27	-3.905	-0.0021	-2.5 to 2.5	Pass
					3.85	-9.270	-0.0049	-2.5 to 2.5	Pass
					4.43	-4.177	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-7.181	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-10.128	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-8.025	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-11.129	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-8.669	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-11.430	-0.0061	-2.5 to 2.5	Pass
	1910	50	0	40	3.85	-8.254	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-9.298	-0.0049	-2.5 to 2.5	Pass
				20	3.27	-8.540	-0.0045	-2.5 to 2.5	Pass
					3.85	-8.869	-0.0046	-2.5 to 2.5	Pass
					4.43	-6.022	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-5.379	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-8.969	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-9.971	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-6.123	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-5.879	-0.0031	-2.5 to 2.5	Pass

				30	3.85	-1.931	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-5.107	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-6.509	-0.0034	-2.5 to 2.5	Pass

2.1.5 B25_15MHz

Band: 25 / 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	-7.682	-0.0041	-2.5 to 2.5	Pass
					3.85	-5.307	-0.0029	-2.5 to 2.5	Pass
					4.43	-3.448	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-7.195	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-4.377	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-4.320	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-4.706	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-4.120	-0.0022	-2.5 to 2.5	Pass
				30	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				40	3.85	-1.187	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-5.651	-0.0030	-2.5 to 2.5	Pass
	1882.5	75	0	20	3.27	-6.909	-0.0037	-2.5 to 2.5	Pass
					3.85	-4.764	-0.0025	-2.5 to 2.5	Pass
					4.43	-10.400	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-8.612	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-9.341	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-4.907	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-10.042	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-8.912	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-8.583	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-8.254	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-8.326	-0.0044	-2.5 to 2.5	Pass
	1907.5	75	0	20	3.27	-8.125	-0.0043	-2.5 to 2.5	Pass
					3.85	-5.436	-0.0028	-2.5 to 2.5	Pass
					4.43	-5.579	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-6.723	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-9.570	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-9.856	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-9.055	-0.0047	-2.5 to 2.5	Pass
				10	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				30	3.85	-7.882	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-8.798	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-7.739	-0.0041	-2.5 to 2.5	Pass
16QAM	1857.5	75	0	20	3.27	-4.735	-0.0025	-2.5 to 2.5	Pass
					3.85	-4.320	-0.0023	-2.5 to 2.5	Pass
					4.43	-3.390	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-7.038	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-2.546	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-4.177	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-5.150	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-4.935	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-7.997	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-6.824	-0.0037	-2.5 to 2.5	Pass
	1882.5	75	0	20	3.27	-8.783	-0.0047	-2.5 to 2.5	Pass
					3.85	-5.221	-0.0028	-2.5 to 2.5	Pass
					4.43	-3.977	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-2.918	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-9.127	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-11.072	-0.0059	-2.5 to 2.5	Pass

				0	3.85	-5.422	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-3.018	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-6.394	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-3.061	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-10.829	-0.0058	-2.5 to 2.5	Pass
	1907.5	75	0	20	3.27	-6.008	-0.0031	-2.5 to 2.5	Pass
					3.85	2.675	0.0014	-2.5 to 2.5	Pass
					4.43	-5.221	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-7.610	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-2.561	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-5.550	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-7.095	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-5.050	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-5.822	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-5.708	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-7.052	-0.0037	-2.5 to 2.5	Pass

2.1.6 B25_20MHz

Band: 25 / 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	-5.250	-0.0028	-2.5 to 2.5	Pass
					3.85	-2.718	-0.0015	-2.5 to 2.5	Pass
					4.43	-6.094	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-8.755	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-6.151	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-5.465	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-7.195	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-3.104	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-1.988	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-3.748	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-4.363	-0.0023	-2.5 to 2.5	Pass
	1882.5	100	0	20	3.27	-9.542	-0.0051	-2.5 to 2.5	Pass
					3.85	-3.219	-0.0017	-2.5 to 2.5	Pass
					4.43	-4.649	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-11.473	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-9.842	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-2.503	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-2.174	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-8.111	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-6.809	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-3.018	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-6.495	-0.0035	-2.5 to 2.5	Pass
	1905	100	0	20	3.27	-8.383	-0.0044	-2.5 to 2.5	Pass
					3.85	-1.574	-0.0008	-2.5 to 2.5	Pass
					4.43	-6.123	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-8.025	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-4.563	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-7.682	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-5.164	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-8.984	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-11.315	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-8.140	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-8.955	-0.0047	-2.5 to 2.5	Pass
16QAM	1860	100	0	20	3.27	-4.091	-0.0022	-2.5 to 2.5	Pass
					3.85	-1.559	-0.0008	-2.5 to 2.5	Pass
					4.43	-8.740	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass

				-20	3.85	-4.849	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-3.076	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-2.460	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-3.219	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-2.532	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-3.519	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-2.847	-0.0015	-2.5 to 2.5	Pass
	1882.5	100	0	20	3.27	-5.565	-0.0030	-2.5 to 2.5	Pass
					3.85	-10.371	-0.0055	-2.5 to 2.5	Pass
					4.43	-10.099	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-6.881	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-4.649	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-5.565	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-4.306	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-9.012	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-4.735	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-7.353	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-2.732	-0.0015	-2.5 to 2.5	Pass
	1905	100	0	20	3.27	-10.657	-0.0056	-2.5 to 2.5	Pass
					3.85	-11.687	-0.0061	-2.5 to 2.5	Pass
					4.43	-8.540	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-7.353	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-3.748	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-8.268	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-11.101	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-11.601	-0.0061	-2.5 to 2.5	Pass
				30	3.85	-5.536	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-6.881	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-7.825	-0.0041	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B25_1.4MHz

Band: 25 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1882.5	6	0	Refer To Test Graph		Pass
16QAM	1882.5	6	0	Refer To Test Graph		Pass

3.1.2 B25_3MHz

Band: 25 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1882.5	15	0	Refer To Test Graph		Pass
16QAM	1882.5	15	0	Refer To Test Graph		Pass

3.1.3 B25_5MHz

Band: 25 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1882.5	25	0	Refer To Test Graph		Pass
16QAM	1882.5	25	0	Refer To Test Graph		Pass

3.1.4 B25_10MHz

Band: 25 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1882.5	50	0	Refer To Test Graph	
16QAM	1882.5	50	0	Refer To Test Graph	

3.1.5 B25_15MHz

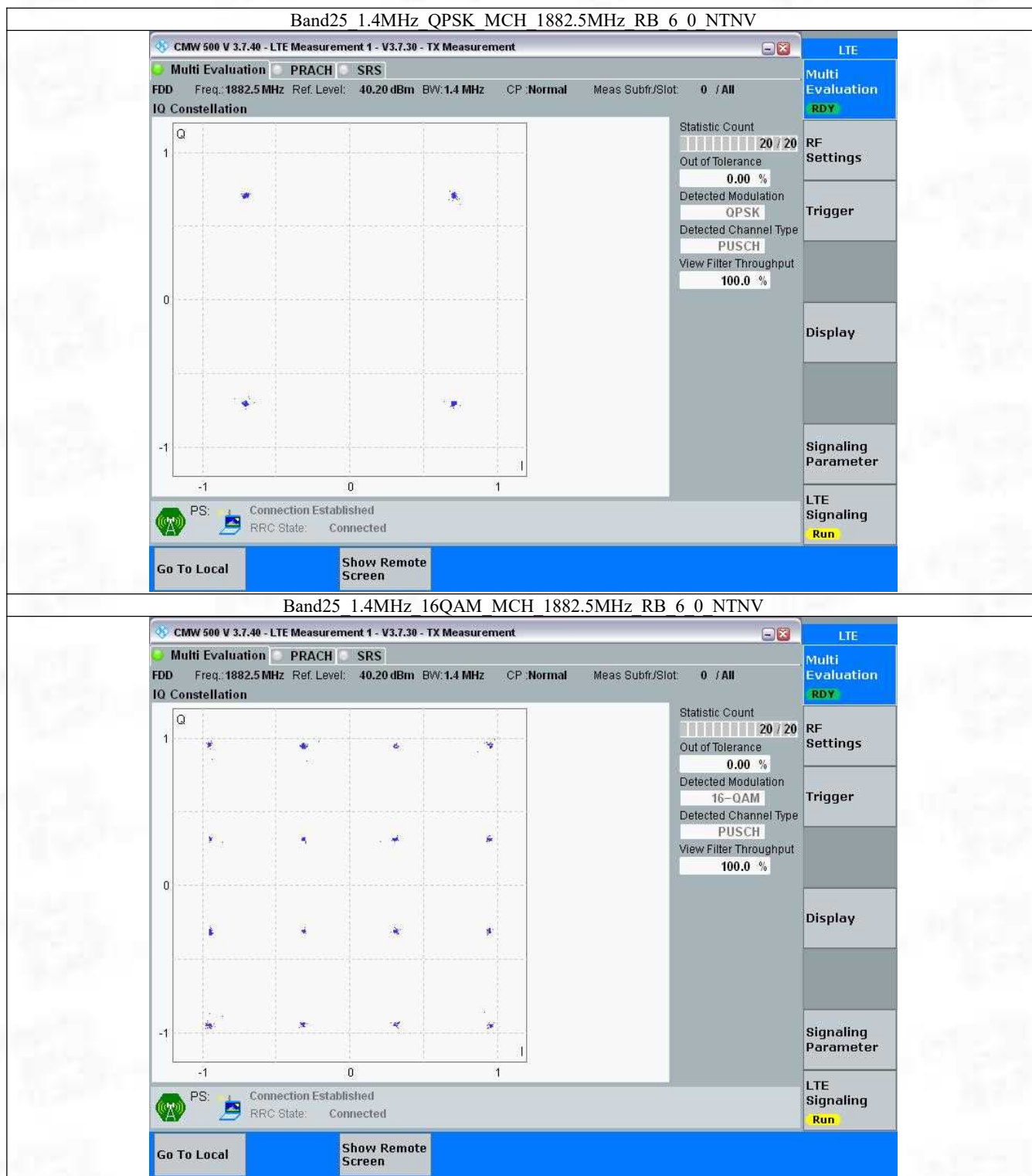
Band: 25 / Bandwidth: 15MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1882.5	75	0	Refer To Test Graph	
16QAM	1882.5	75	0	Refer To Test Graph	

3.1.6 B25_20MHz

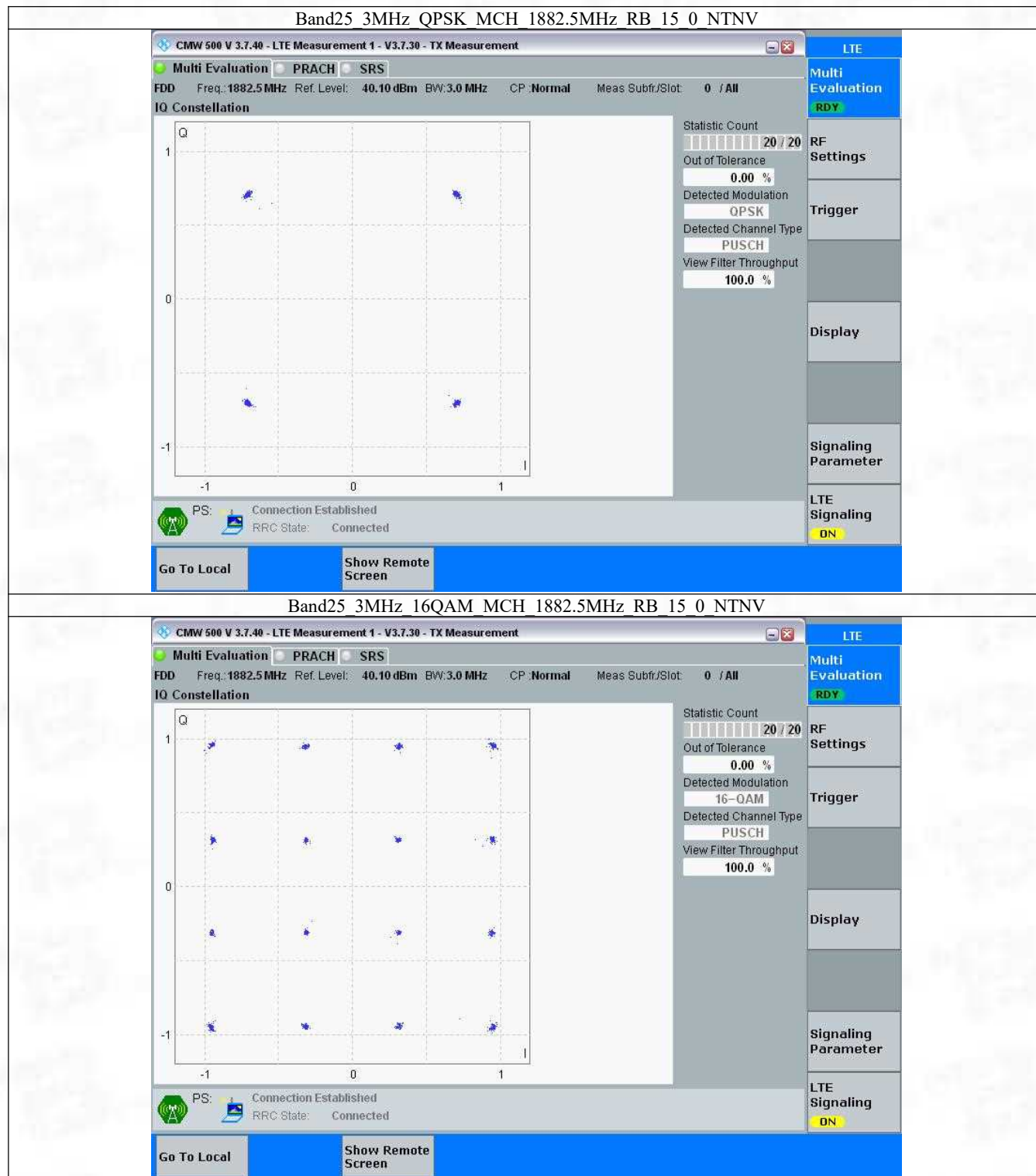
Band: 25 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1882.5	100	0	Refer To Test Graph	
16QAM	1882.5	100	0	Refer To Test Graph	

3.2 Test Graph

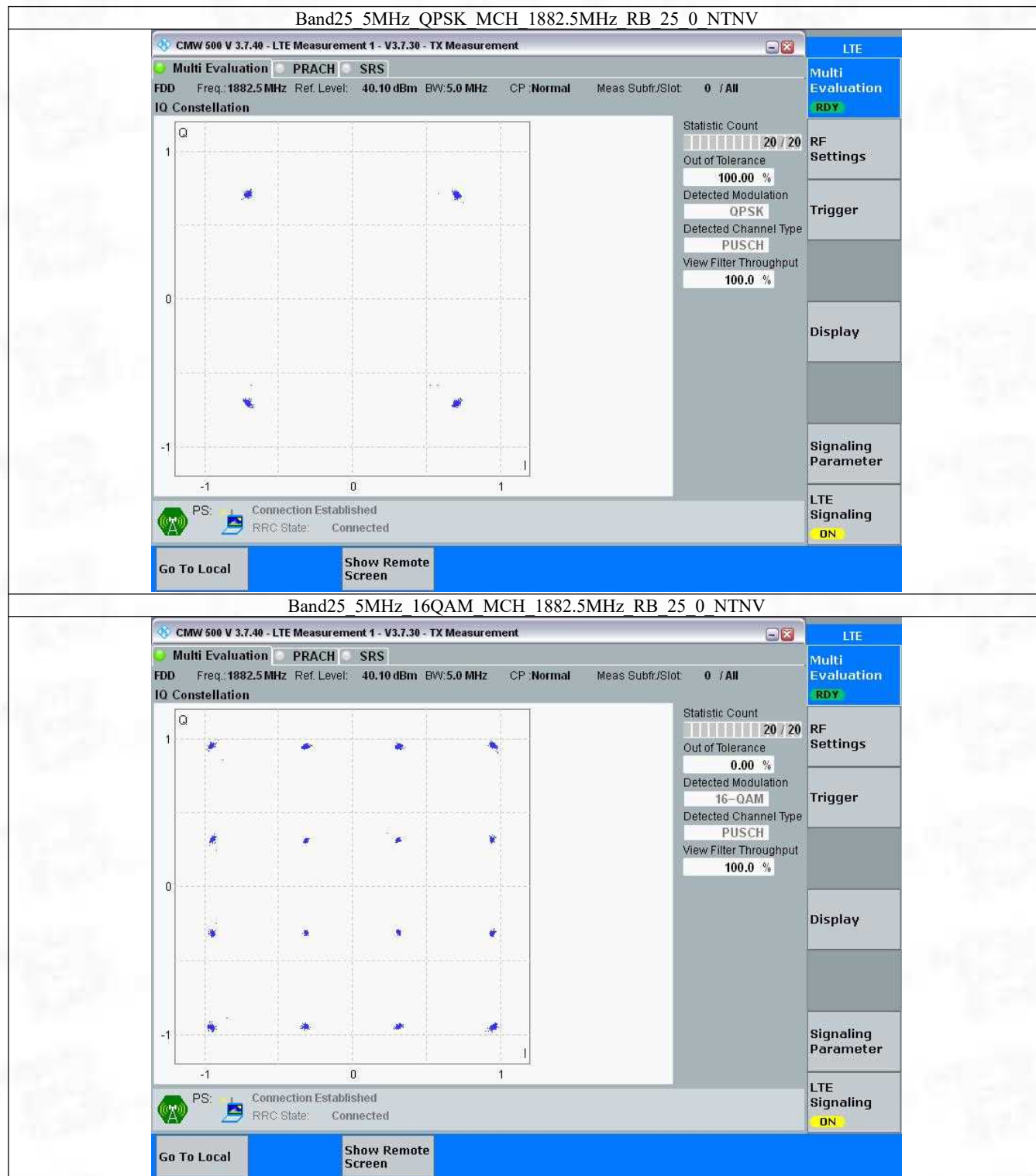
3.2.1 B25_1.4MHz



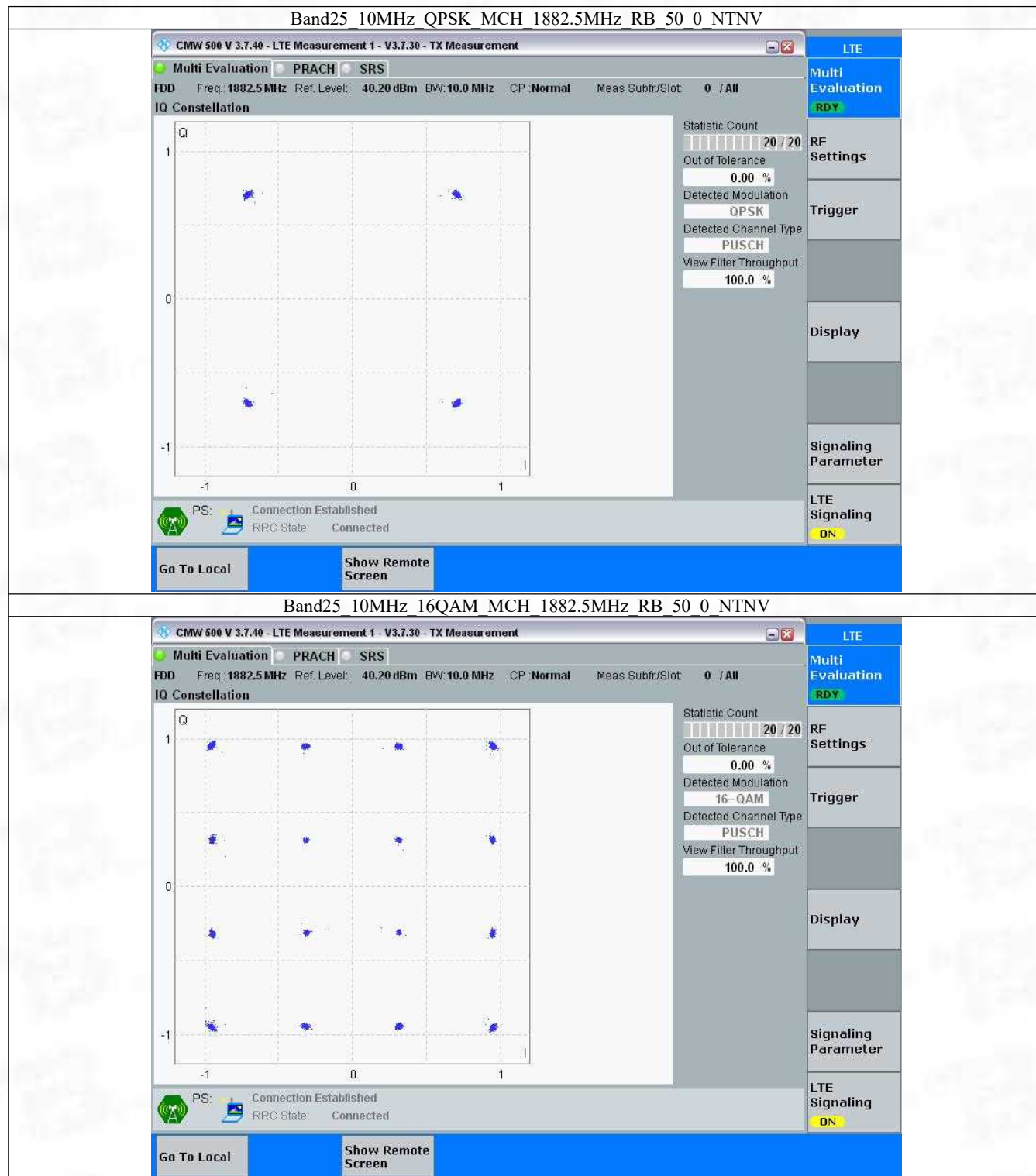
3.2.2 B25_3MHz



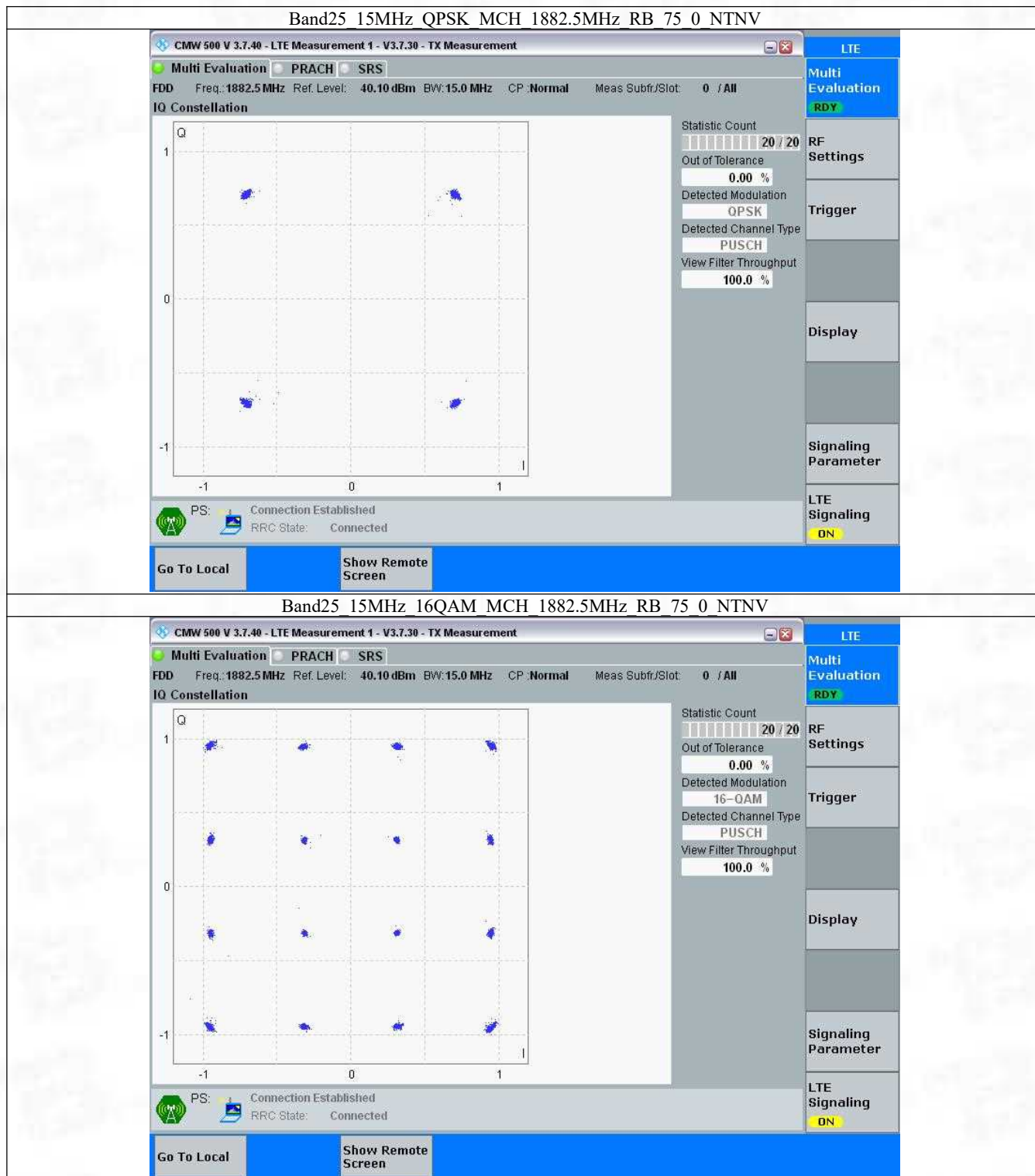
3.2.3 B25_5MHz



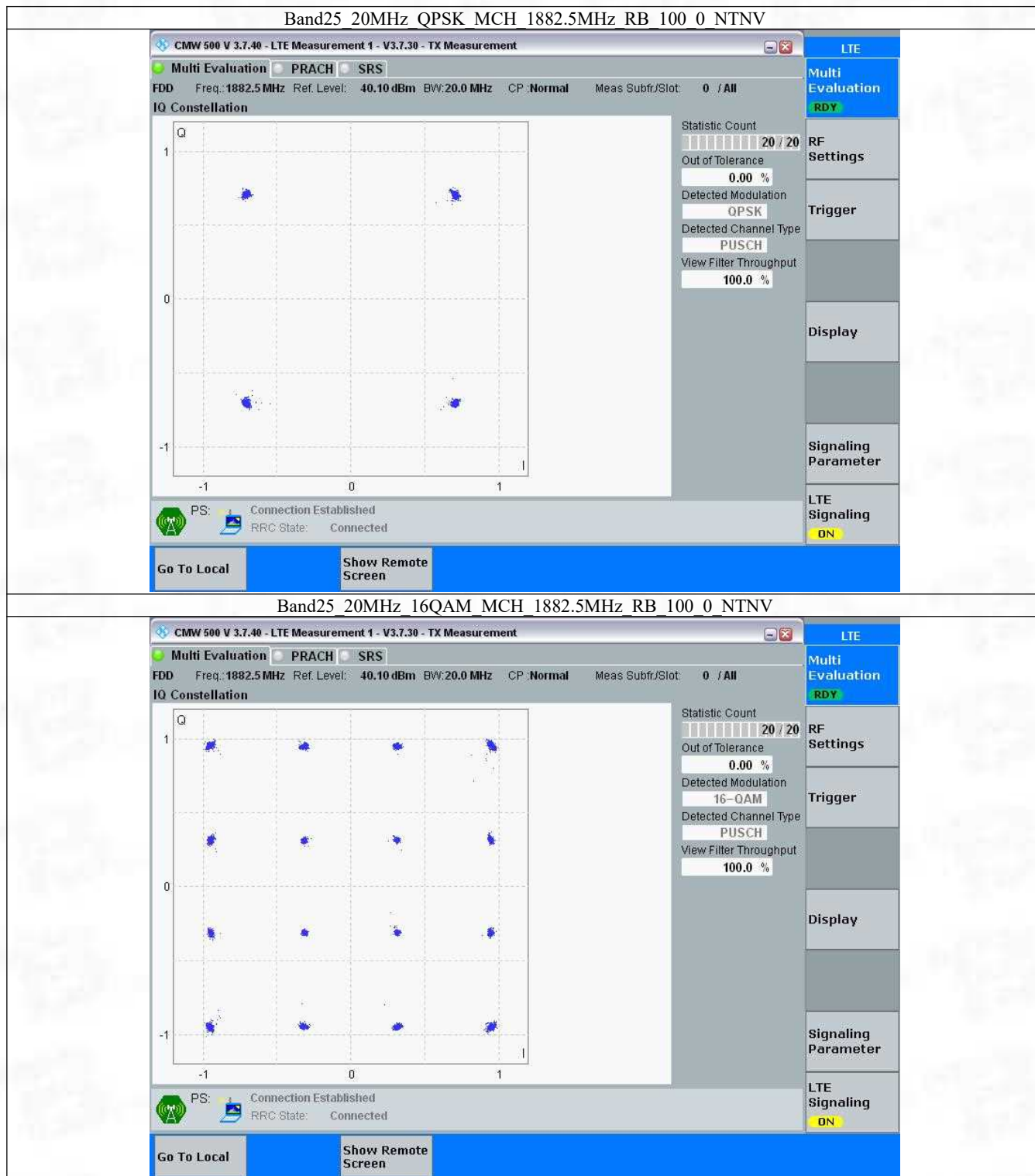
3.2.4 B25_10MHz



3.2.5 B25_15MHz



3.2.6 B25_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band25_OBW

Band: 25 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.108	/	Pass
		1882.5	6	0	1.121	/	Pass
		1914.3	6	0	1.113	/	Pass
	16QAM	1850.7	6	0	1.118	/	Pass
		1882.5	6	0	1.109	/	Pass
		1914.3	6	0	1.102	/	Pass
3	QPSK	1851.5	15	0	2.721	/	Pass
		1882.5	15	0	2.733	/	Pass
		1913.5	15	0	2.726	/	Pass
	16QAM	1851.5	15	0	2.714	/	Pass
		1882.5	15	0	2.719	/	Pass
		1913.5	15	0	2.720	/	Pass
5	QPSK	1852.5	25	0	4.565	/	Pass
		1882.5	25	0	4.577	/	Pass
		1912.5	25	0	4.584	/	Pass
	16QAM	1852.5	25	0	4.596	/	Pass
		1882.5	25	0	4.592	/	Pass
		1912.5	25	0	4.566	/	Pass
10	QPSK	1855	50	0	9.082	/	Pass
		1882.5	50	0	9.055	/	Pass
		1910	50	0	9.106	/	Pass
	16QAM	1855	50	0	9.068	/	Pass
		1882.5	50	0	9.078	/	Pass
		1910	50	0	9.060	/	Pass
15	QPSK	1857.5	75	0	13.642	/	Pass
		1882.5	75	0	13.610	/	Pass
		1907.5	75	0	13.632	/	Pass
	16QAM	1857.5	75	0	13.657	/	Pass
		1882.5	75	0	13.633	/	Pass
		1907.5	75	0	13.608	/	Pass
20	QPSK	1860	100	0	18.158	/	Pass
		1882.5	100	0	18.069	/	Pass
		1905	100	0	18.095	/	Pass
	16QAM	1860	100	0	18.124	/	Pass
		1882.5	100	0	18.132	/	Pass
		1905	100	0	18.142	/	Pass

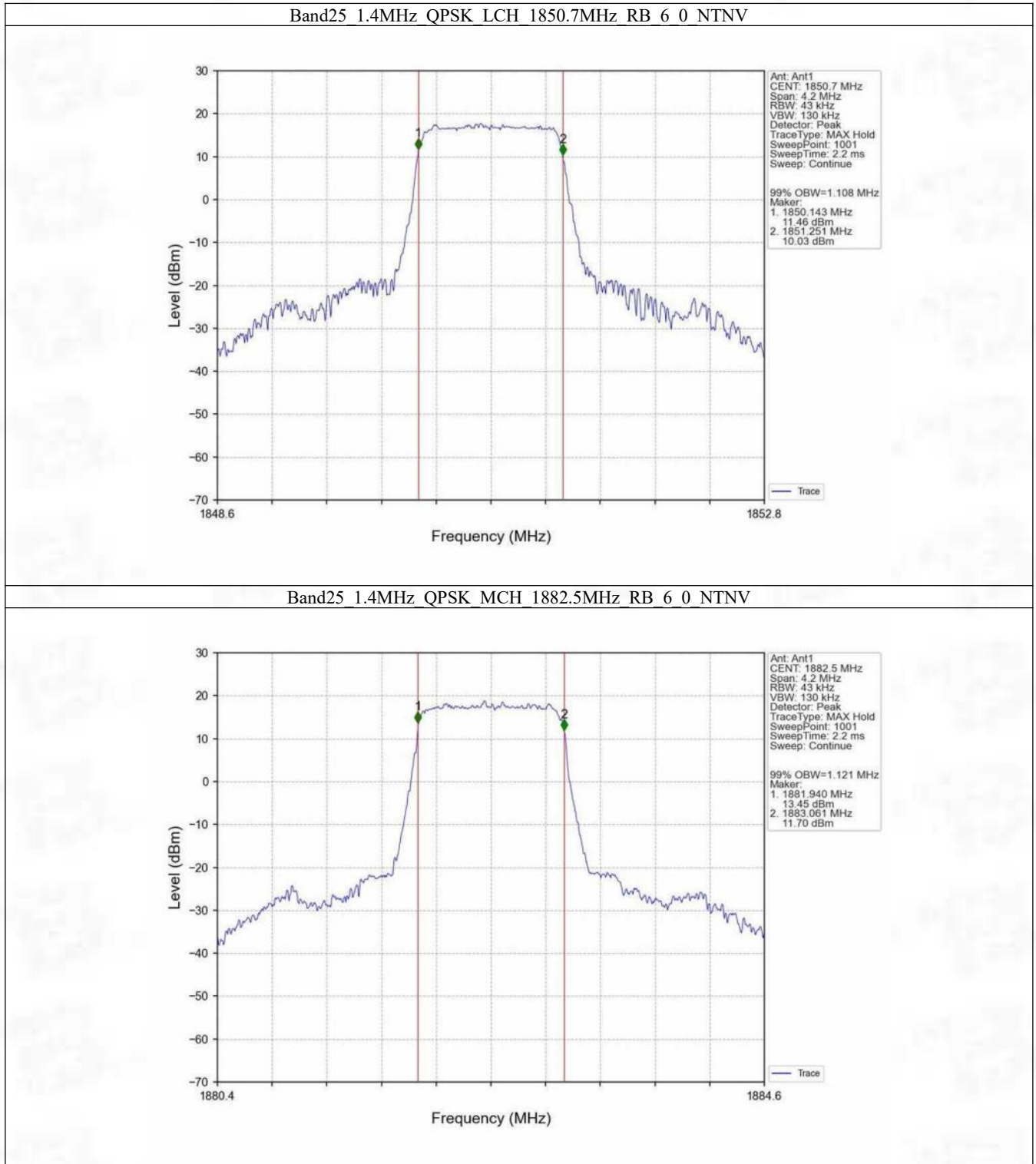
4.1.2 Band25_XDB

Band: 25 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.316	/	Pass
		1882.5	6	0	1.307	/	Pass
		1914.3	6	0	1.319	/	Pass
	16QAM	1850.7	6	0	1.315	/	Pass
		1882.5	6	0	1.319	/	Pass

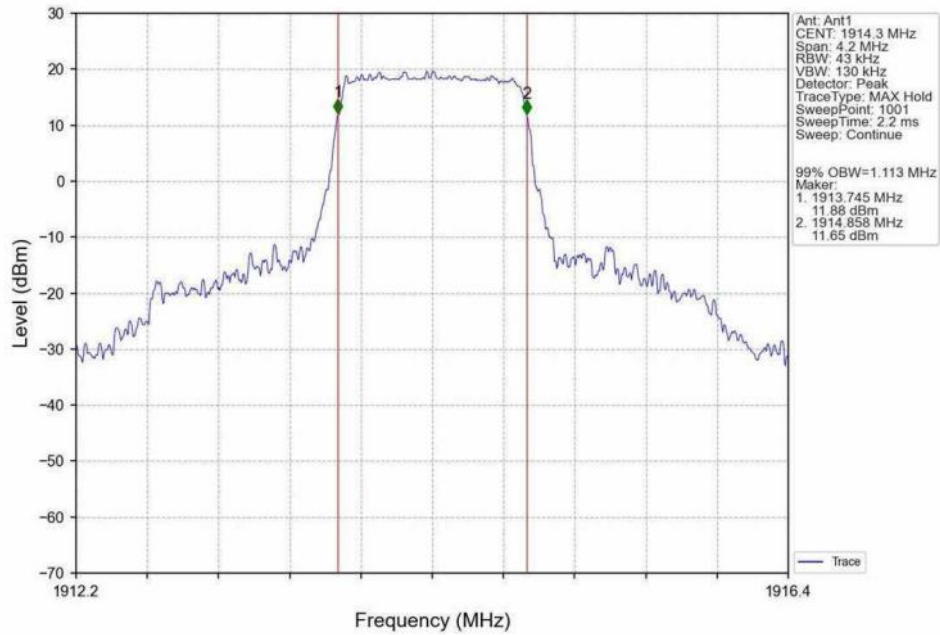
3	QPSK	1914.3	6	0	1.303	/	Pass
		1851.5	15	0	2.992	/	Pass
		1882.5	15	0	3.010	/	Pass
		1913.5	15	0	2.994	/	Pass
	16QAM	1851.5	15	0	2.984	/	Pass
		1882.5	15	0	2.980	/	Pass
		1913.5	15	0	2.985	/	Pass
5	QPSK	1852.5	25	0	5.269	/	Pass
		1882.5	25	0	5.393	/	Pass
		1912.5	25	0	5.207	/	Pass
	16QAM	1852.5	25	0	5.237	/	Pass
		1882.5	25	0	5.422	/	Pass
		1912.5	25	0	5.261	/	Pass
10	QPSK	1855	50	0	10.267	/	Pass
		1882.5	50	0	10.215	/	Pass
		1910	50	0	10.284	/	Pass
	16QAM	1855	50	0	10.217	/	Pass
		1882.5	50	0	10.214	/	Pass
		1910	50	0	10.224	/	Pass
15	QPSK	1857.5	75	0	15.276	/	Pass
		1882.5	75	0	15.227	/	Pass
		1907.5	75	0	15.316	/	Pass
	16QAM	1857.5	75	0	15.428	/	Pass
		1882.5	75	0	15.389	/	Pass
		1907.5	75	0	15.343	/	Pass
20	QPSK	1860	100	0	20.166	/	Pass
		1882.5	100	0	20.244	/	Pass
		1905	100	0	19.921	/	Pass
	16QAM	1860	100	0	19.951	/	Pass
		1882.5	100	0	20.003	/	Pass
		1905	100	0	20.175	/	Pass

4.2 Test Graph

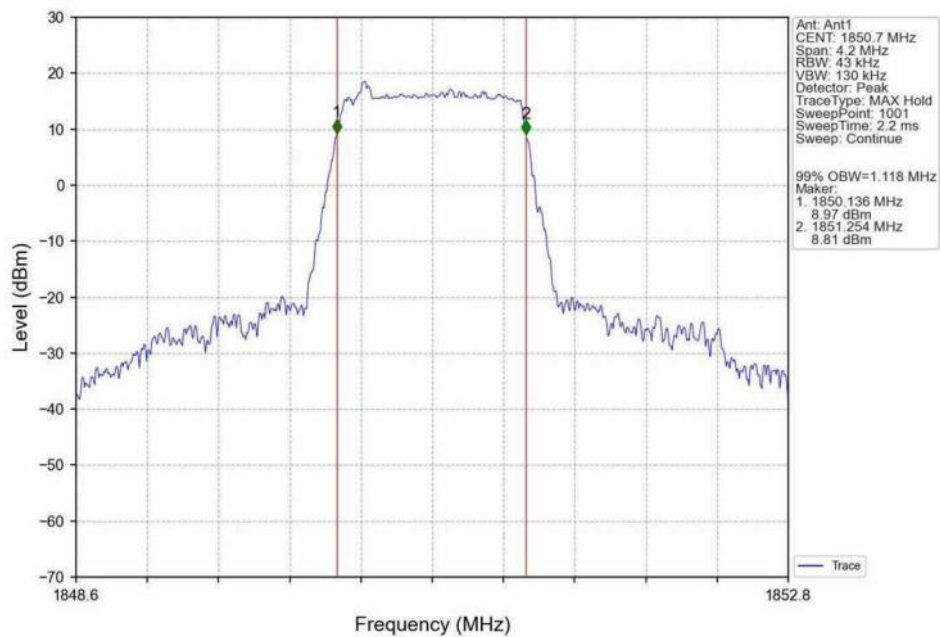
4.2.1 Band25_OBW



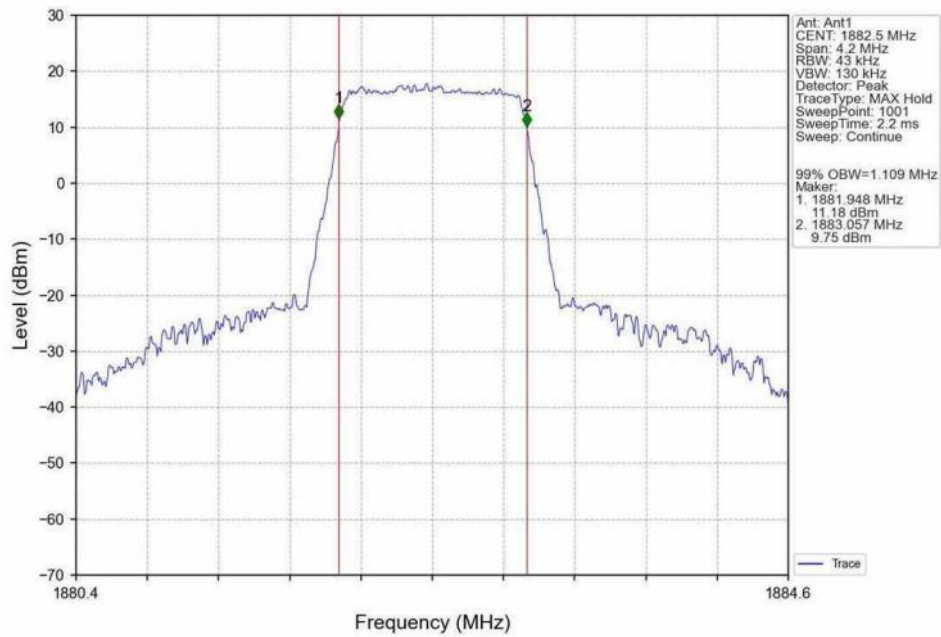
Band25 1.4MHz QPSK HCH 1914.3MHz RB 6 0 NTNV



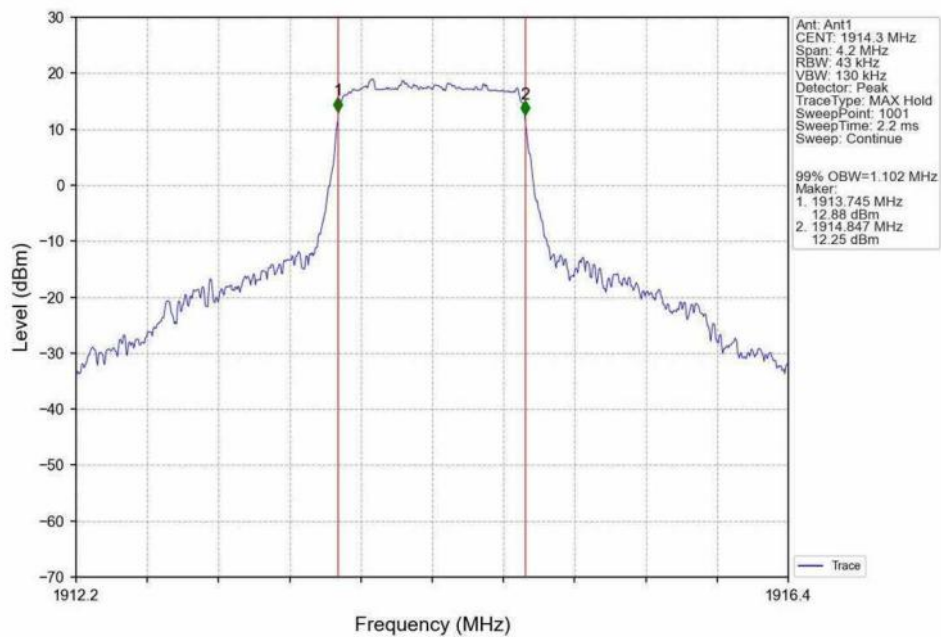
Band25 1.4MHz 16QAM LCH 1850.7MHz RB 6 0 NTNV



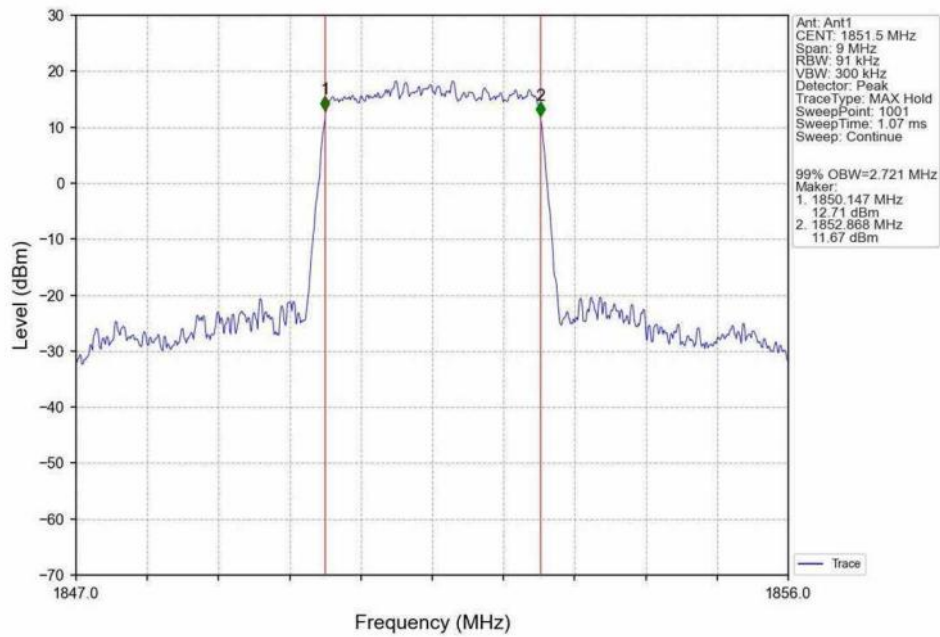
Band25 1.4MHz 16QAM MCH 1882.5MHz RB 6 0 NTV



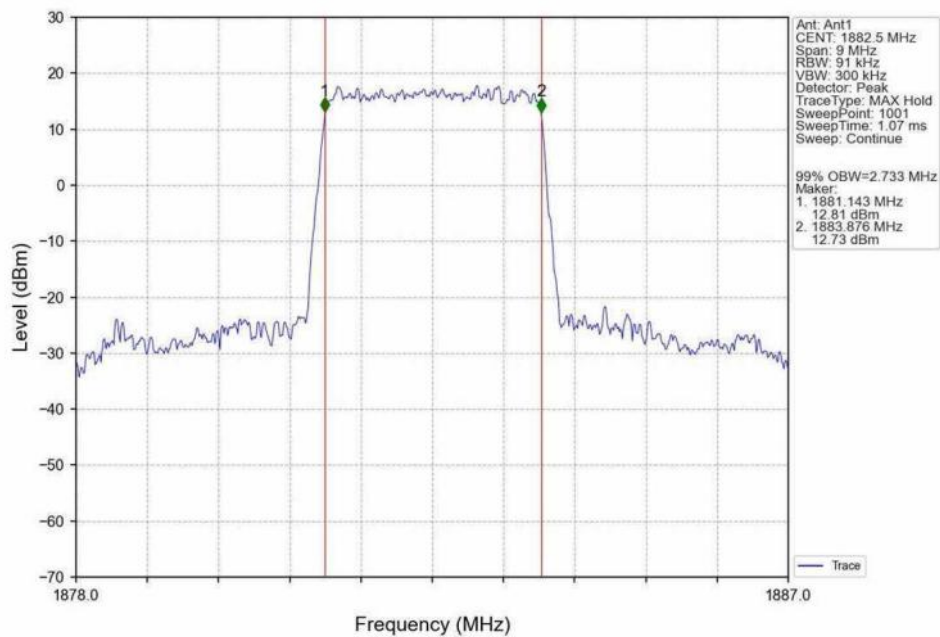
Band25 1.4MHz 16QAM HCH 1914.3MHz RB 6 0 NTV



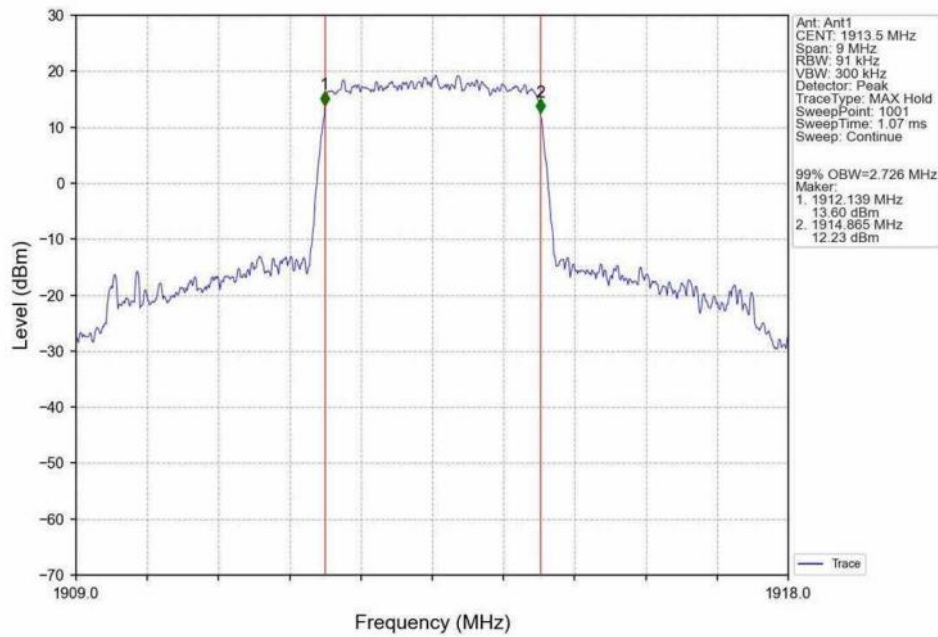
Band25_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



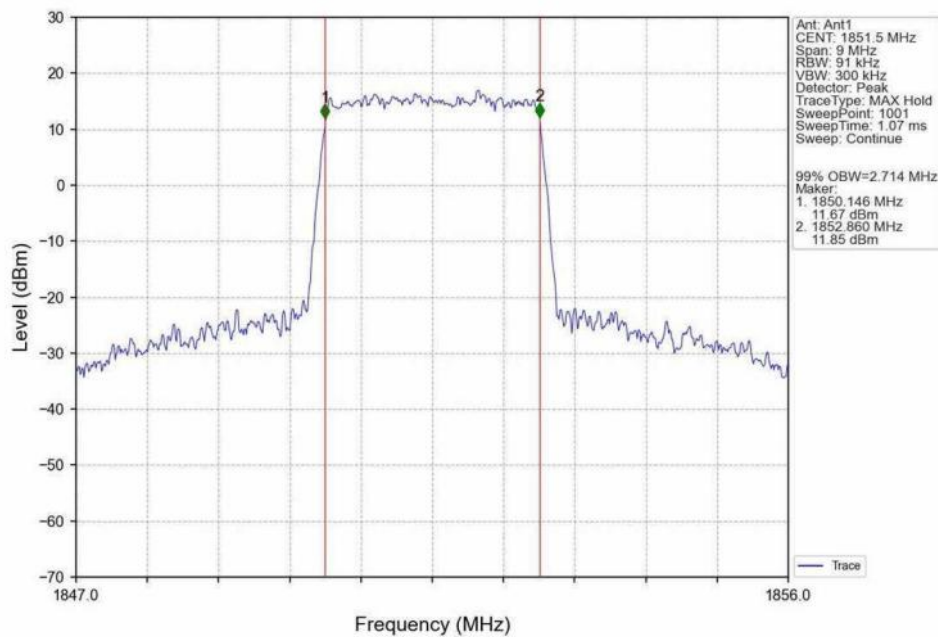
Band25_3MHz_QPSK_MCH_1882.5MHz_RB_15_0_NTNV



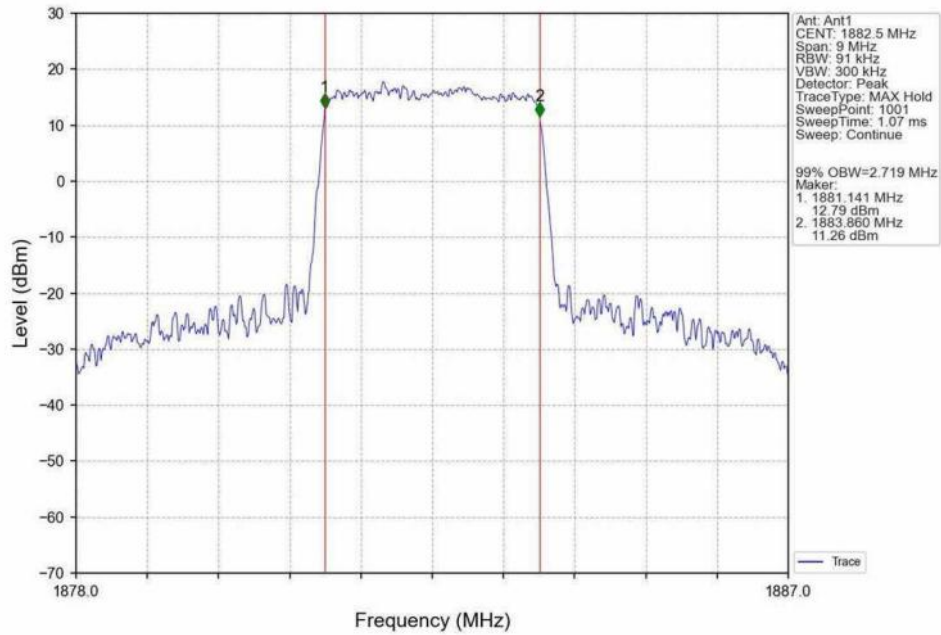
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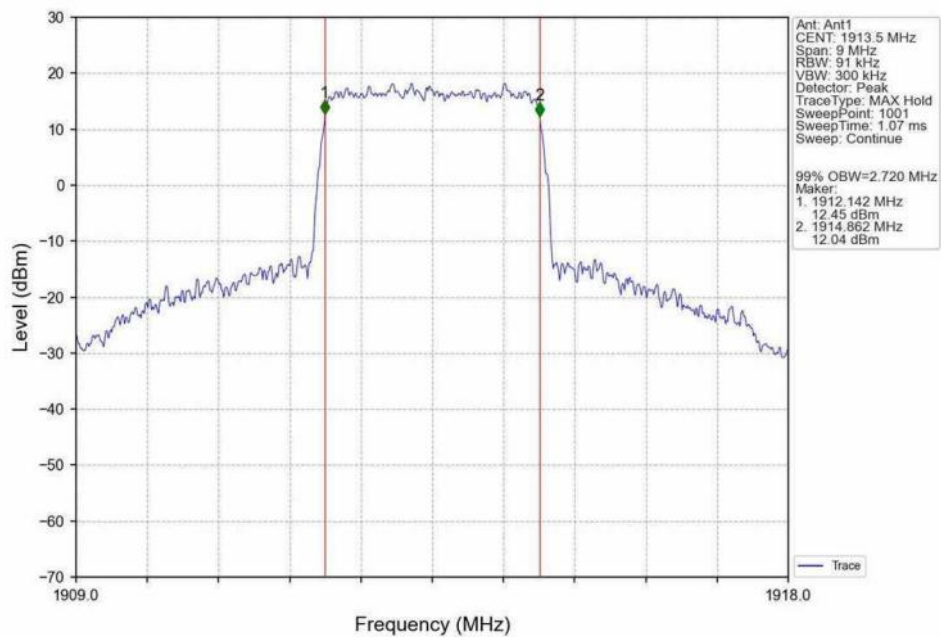
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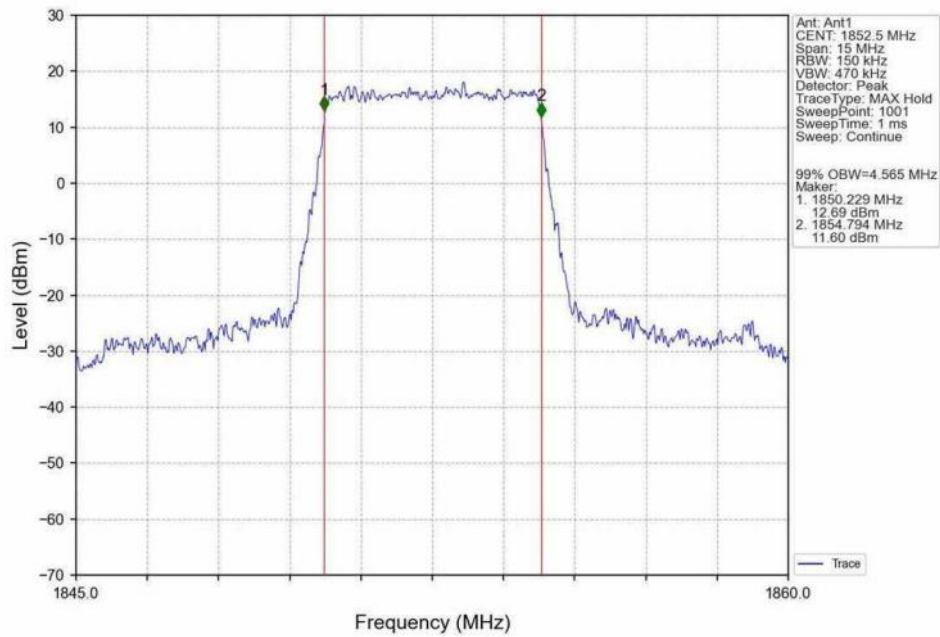
Band25_3MHz_16QAM_MCH_1882.5MHz_RB_15_0_NTNV



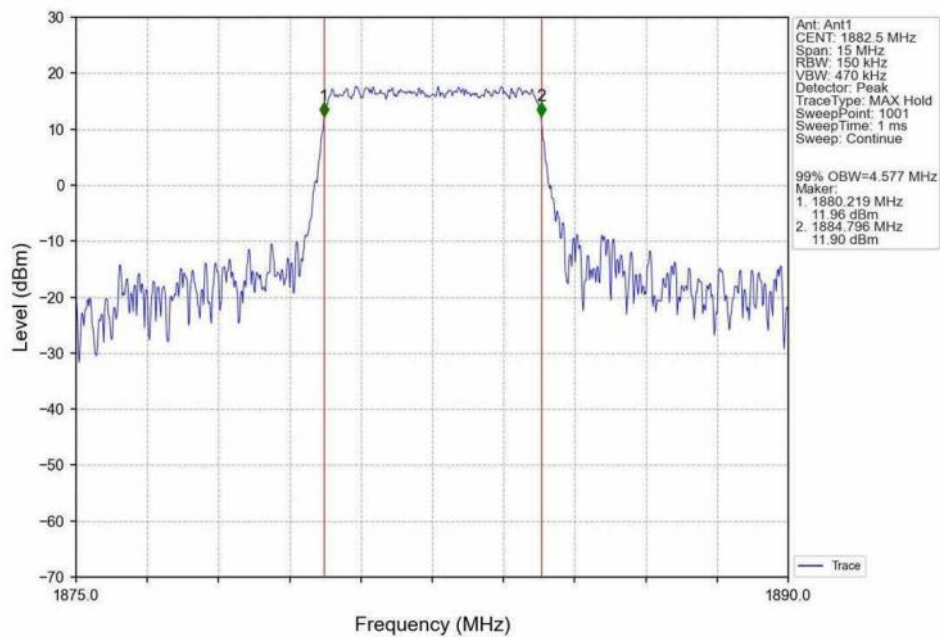
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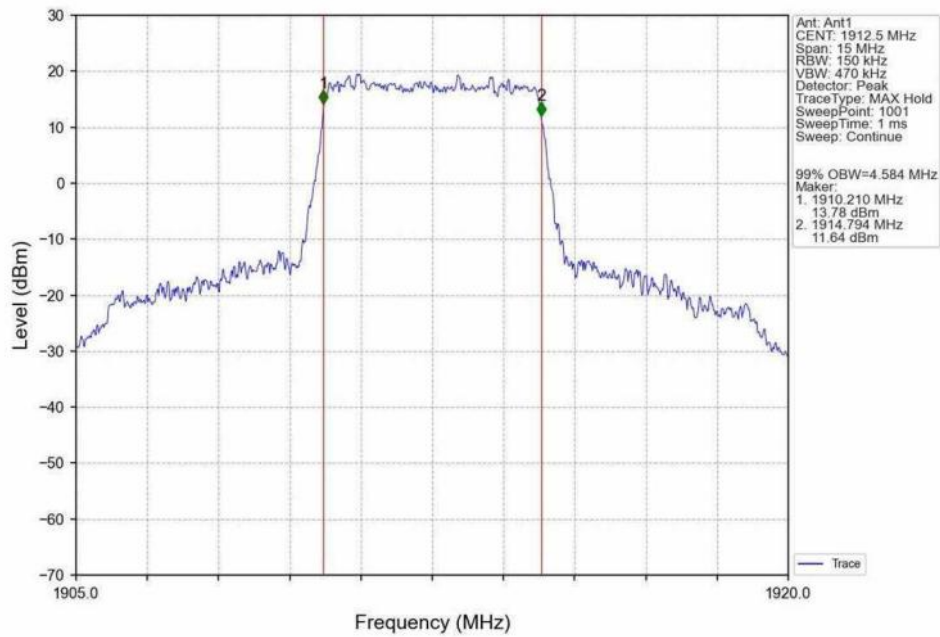
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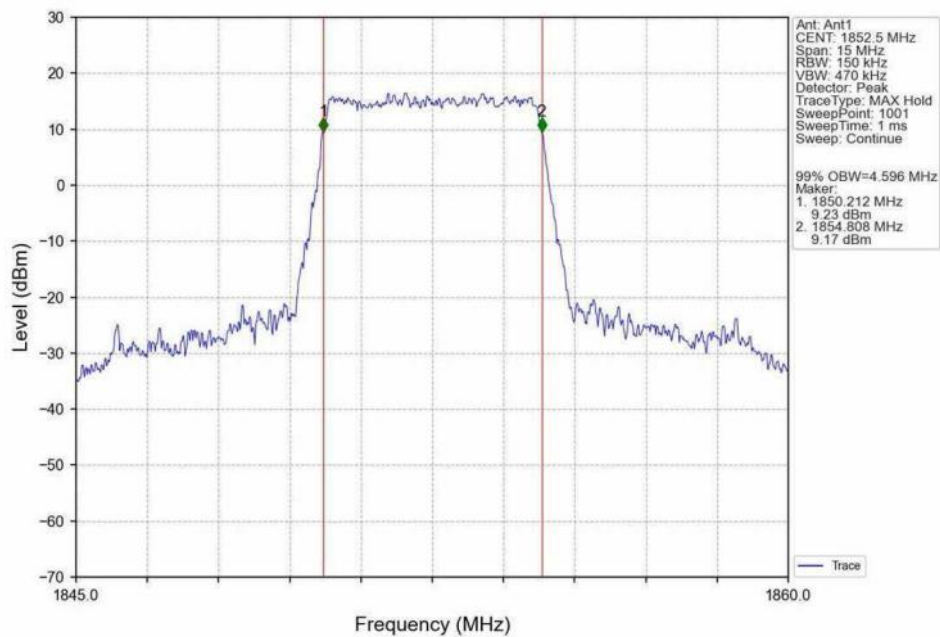
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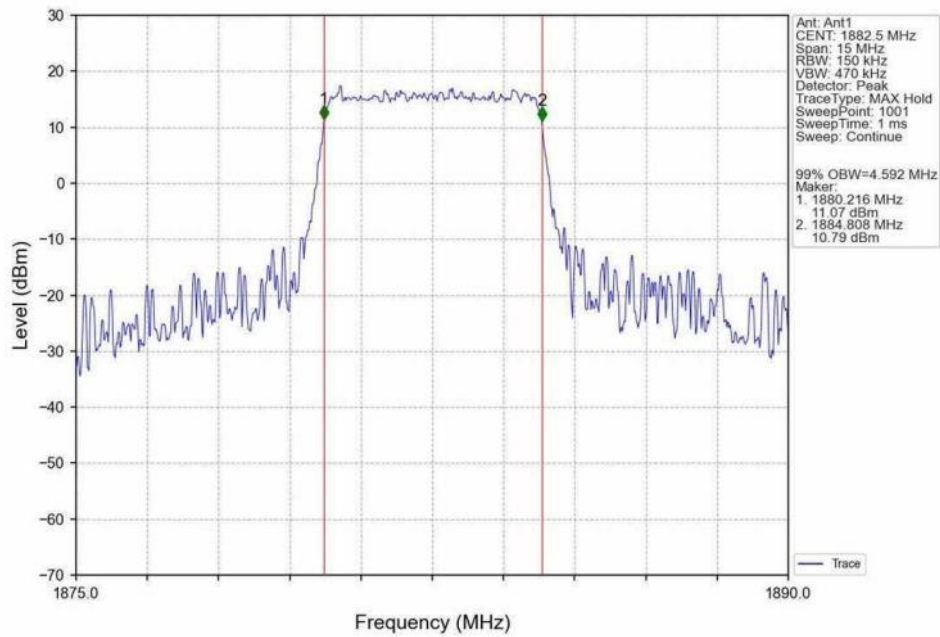
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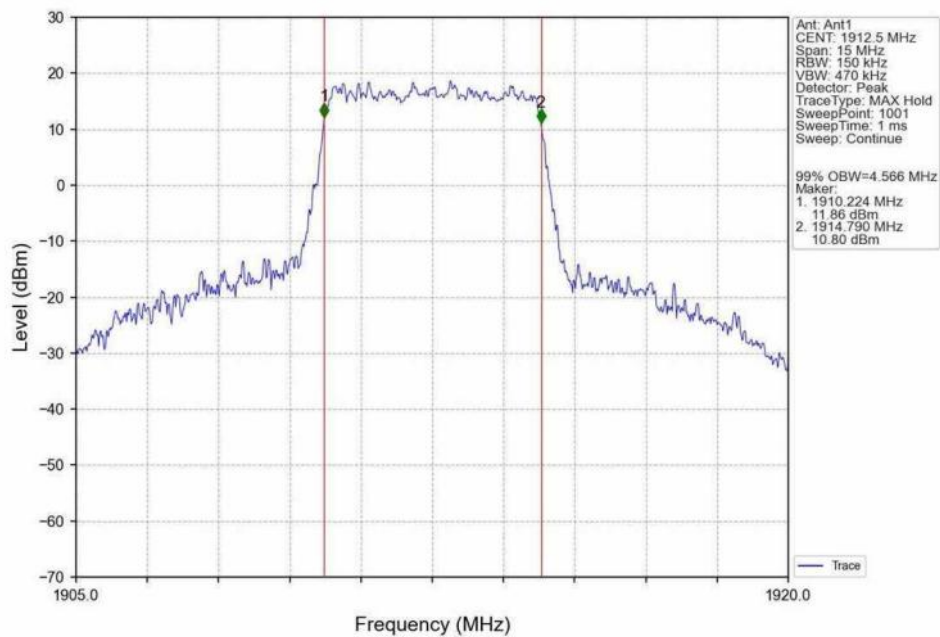
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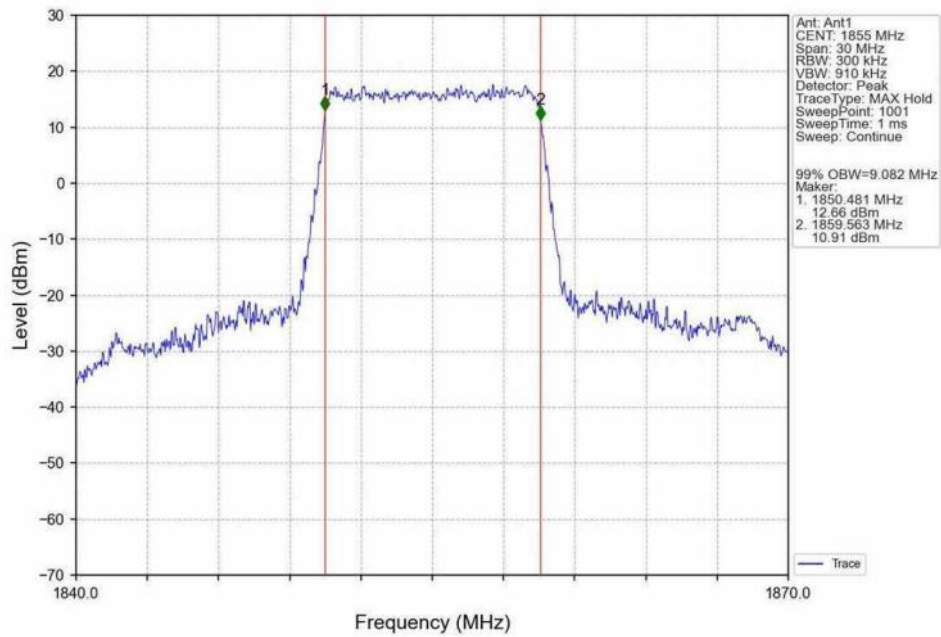
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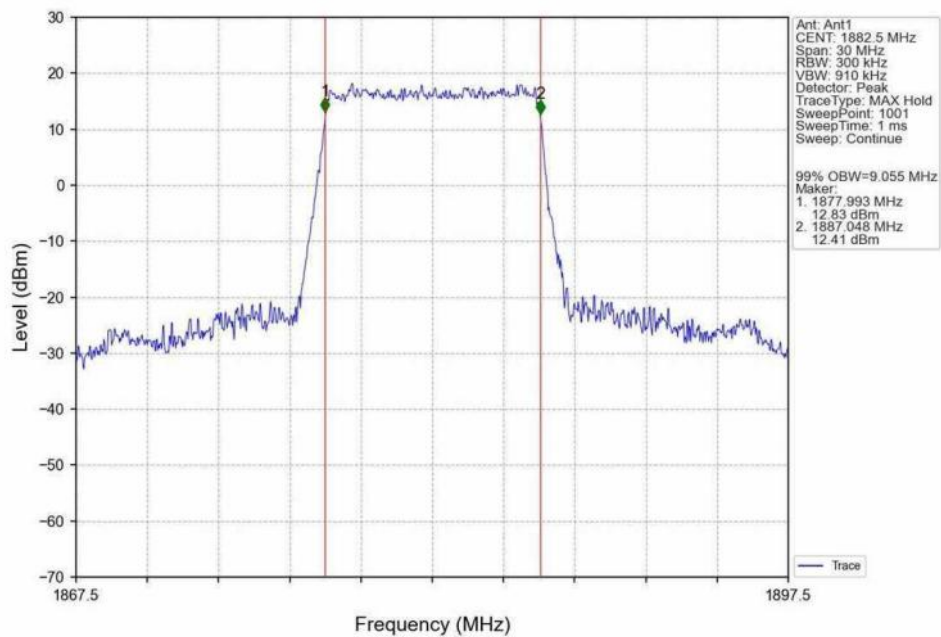
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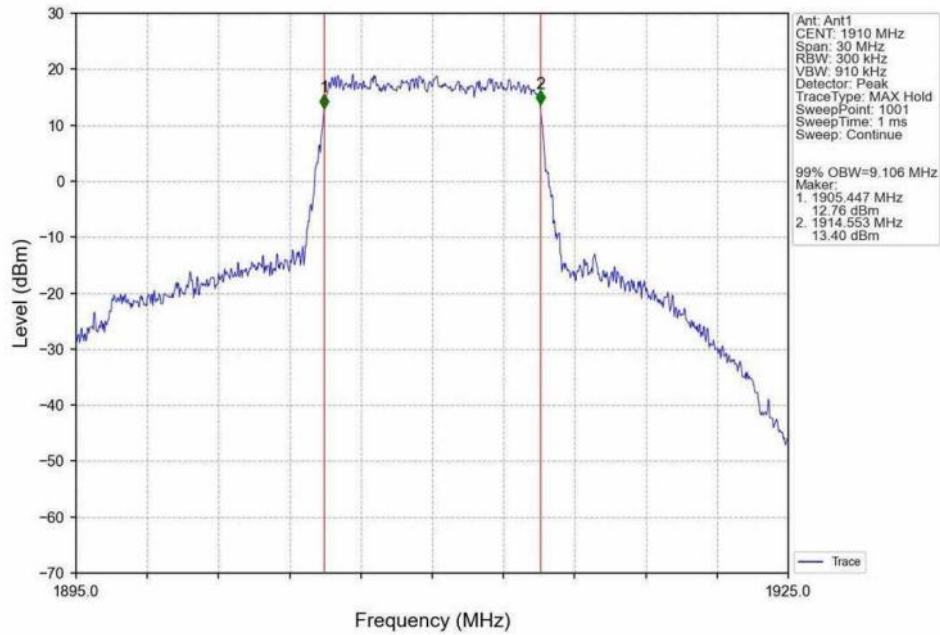
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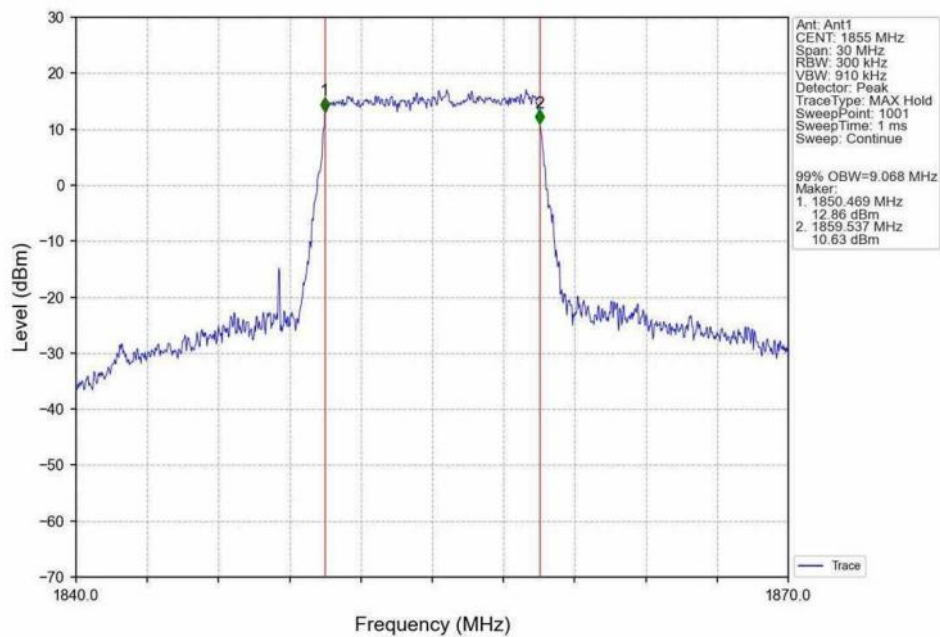
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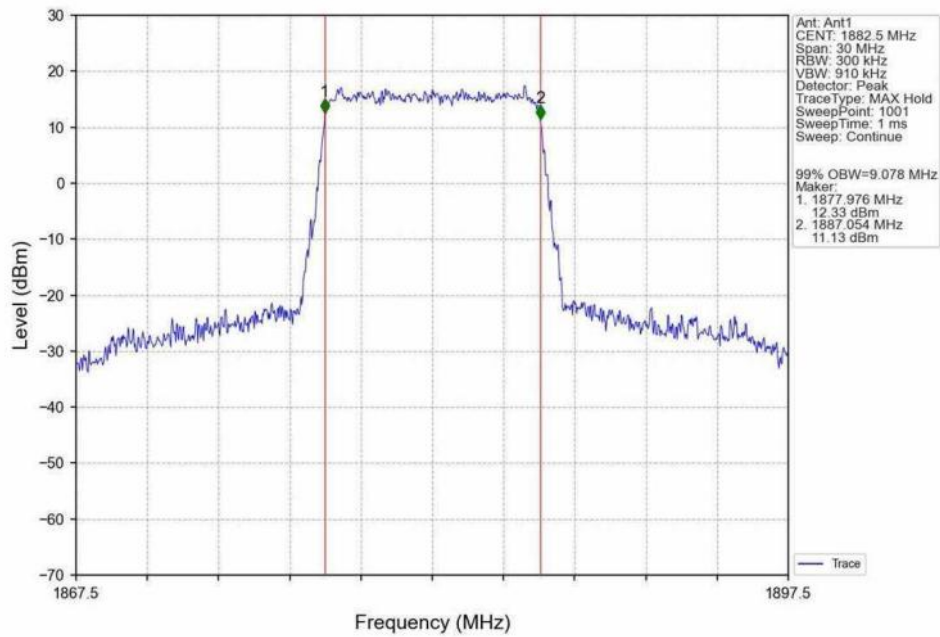
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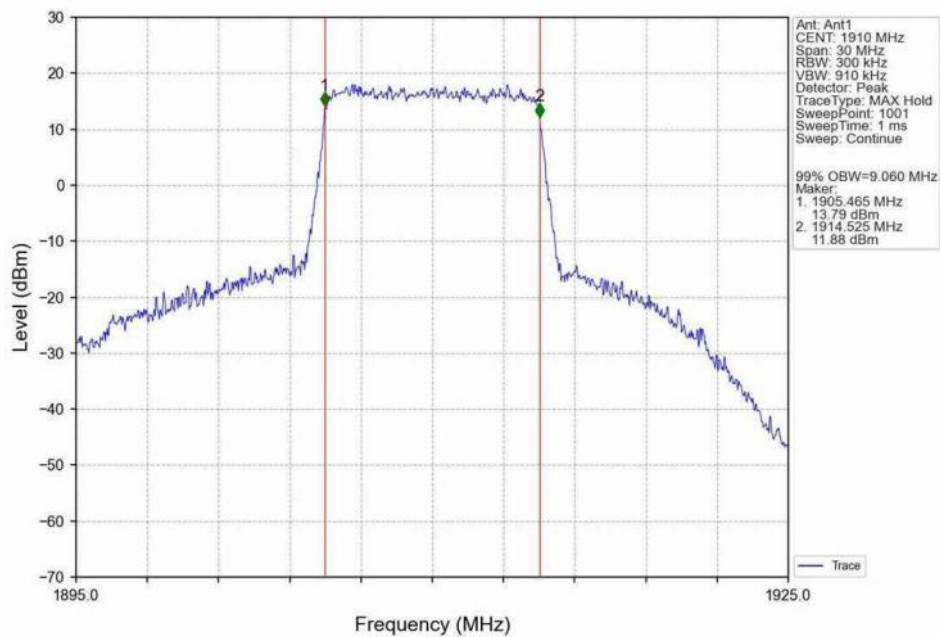
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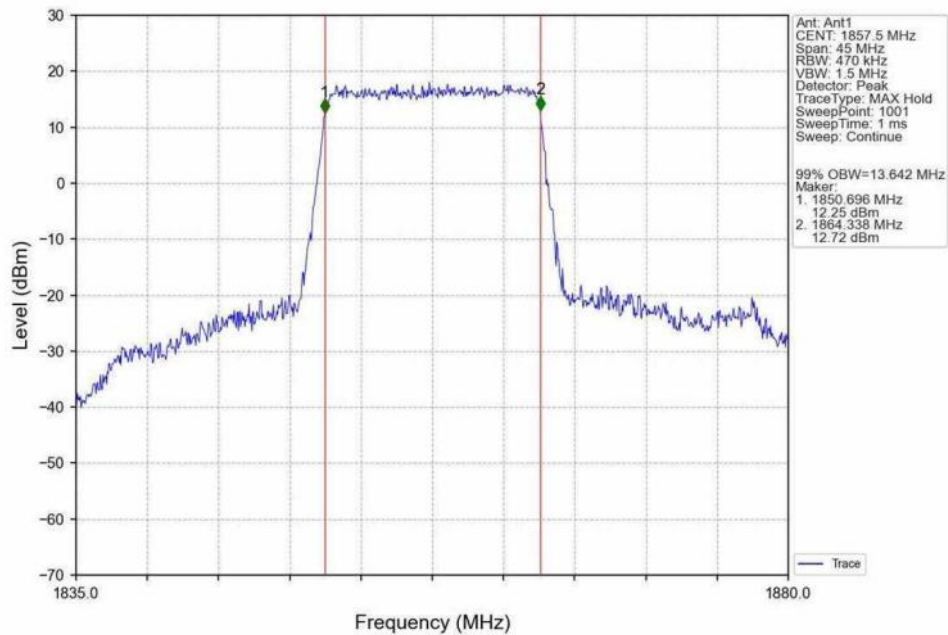
Band25 10MHz 16QAM MCH 1882.5MHz RB 50 0 NTNV



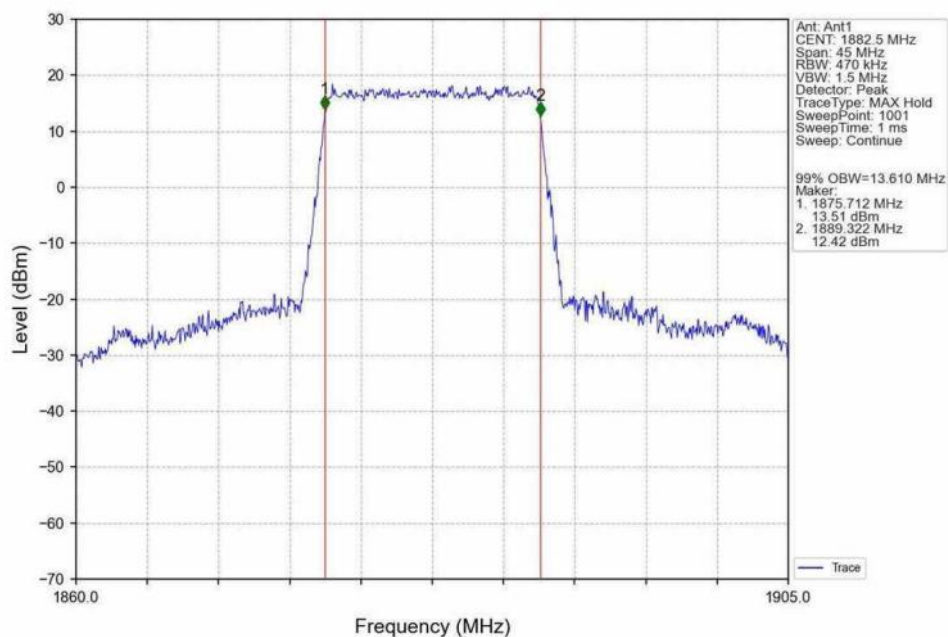
Band25 10MHz 16QAM HCH 1910MHz RB 50 0 NTNV



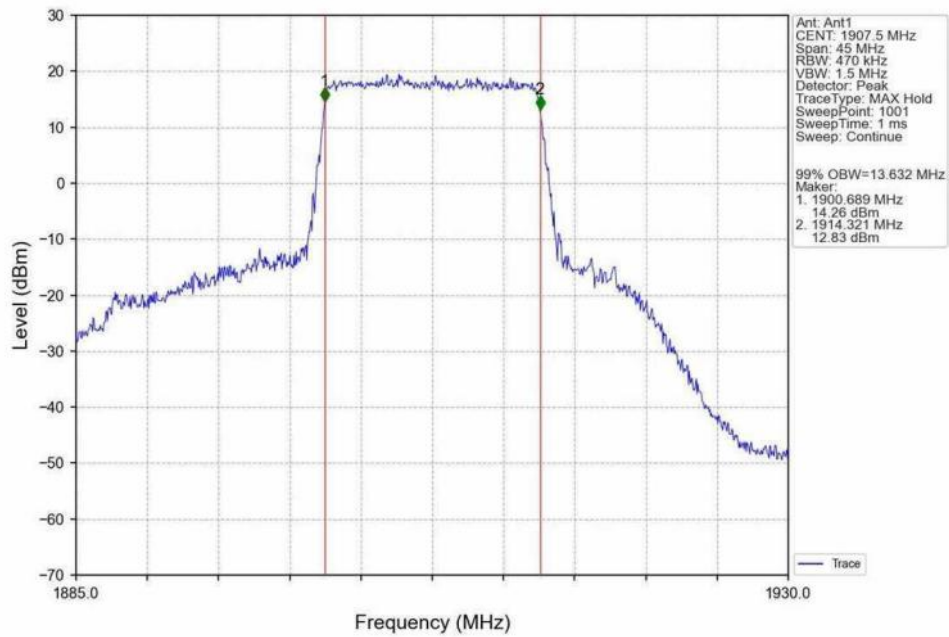
Band25 15MHz QPSK LCH 1857.5MHz RB 75 0 NTNV



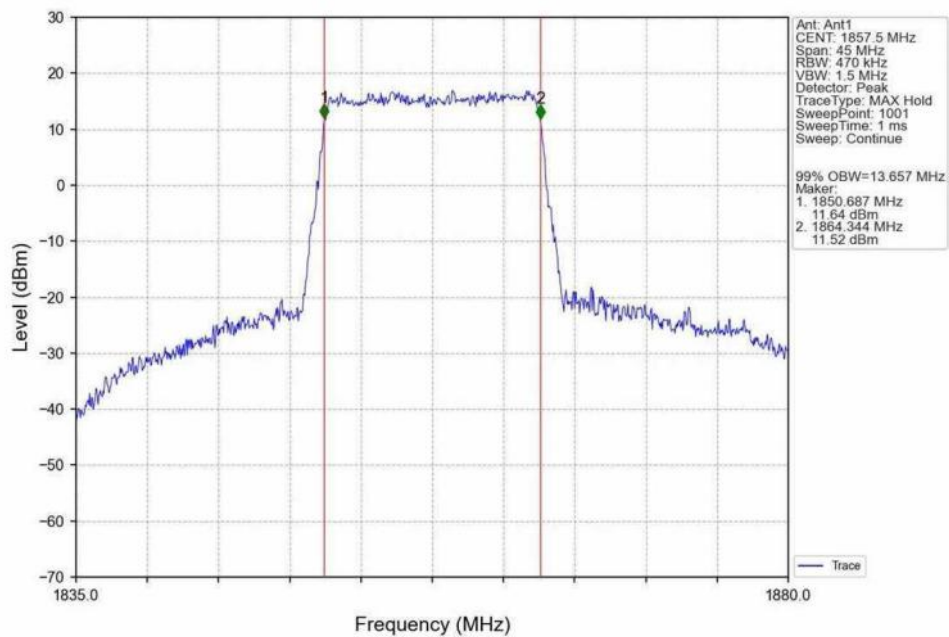
Band25 15MHz QPSK MCH 1882.5MHz RB 75 0 NTNV



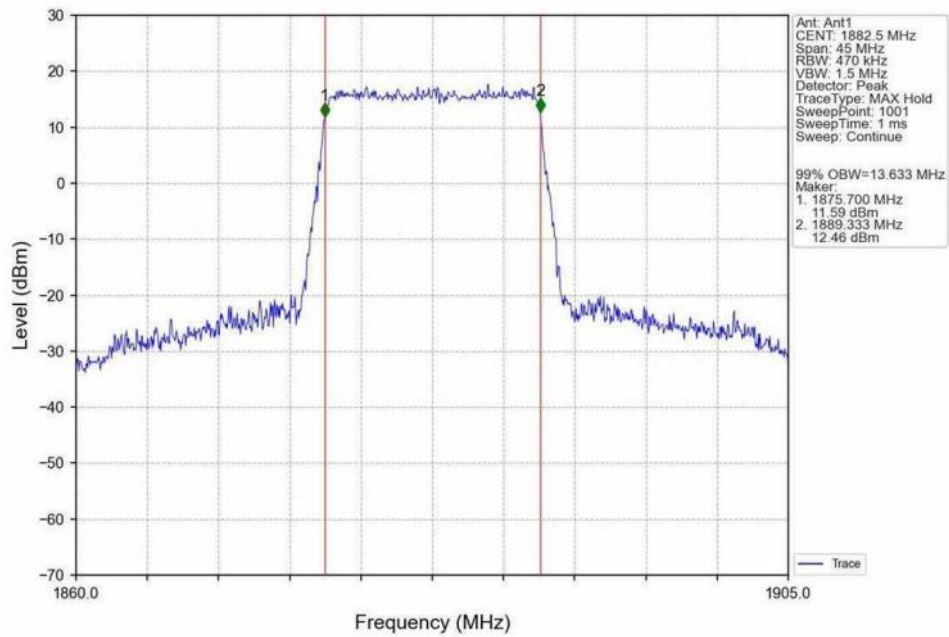
Band25 15MHz QPSK HCH 1907.5MHz RB 75 0 NTNV



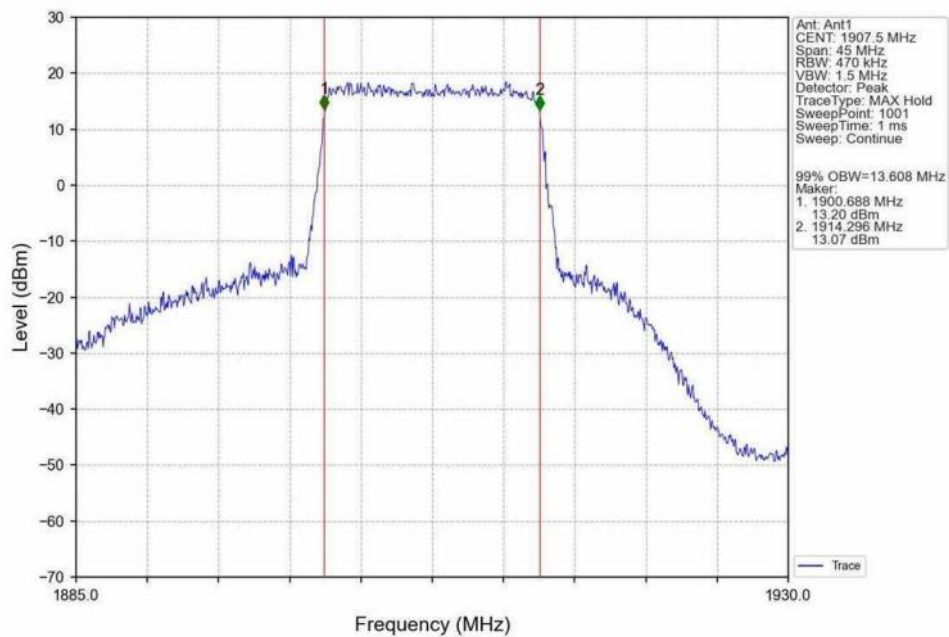
Band25 15MHz 16QAM LCH 1857.5MHz RB 75 0 NTNV



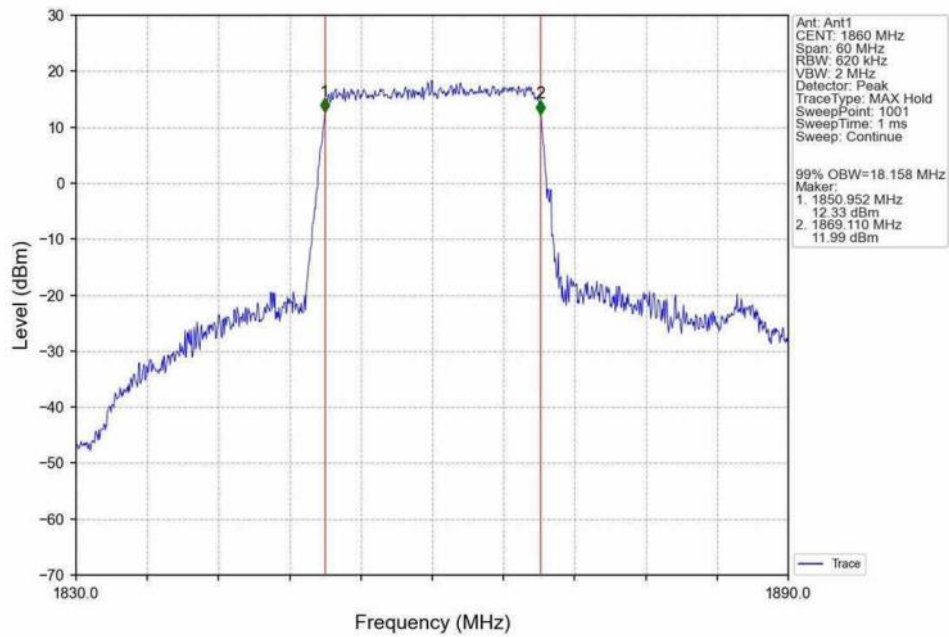
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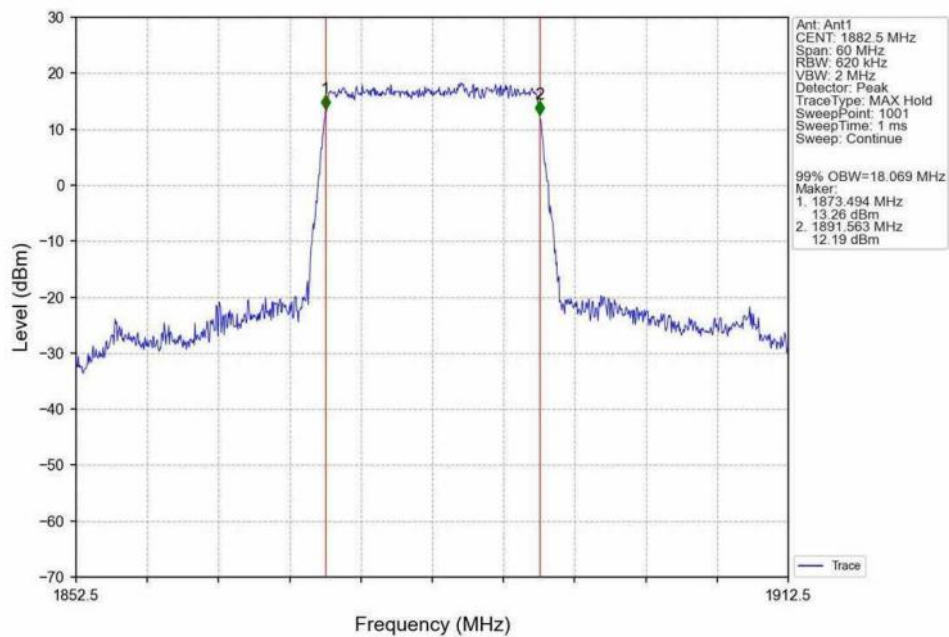
Band25 15MHz 16QAM HCH 1907.5MHz RB 75 0 NTNV



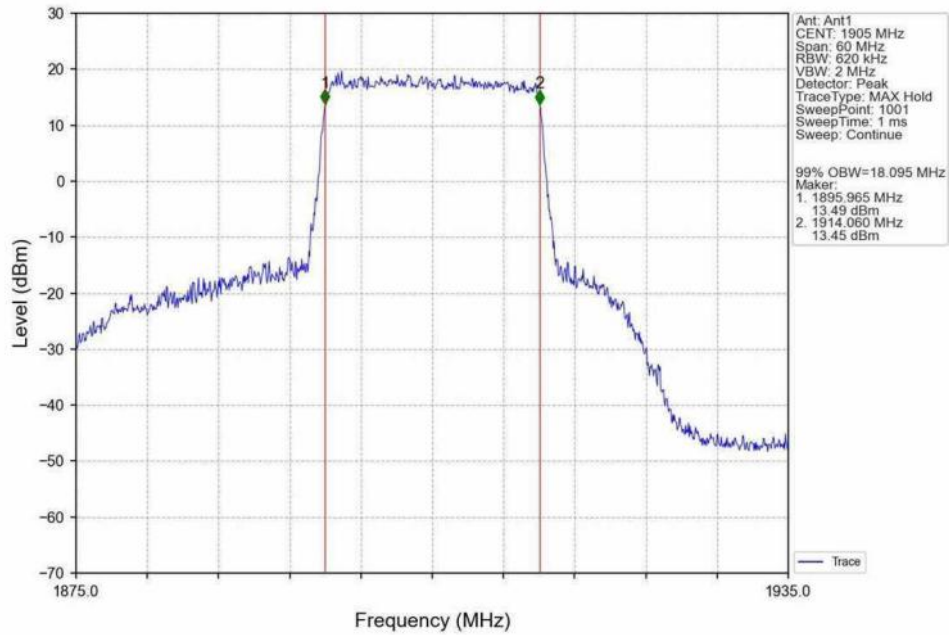
Band25 20MHz QPSK LCH 1860MHz RB 100 0 NTNV



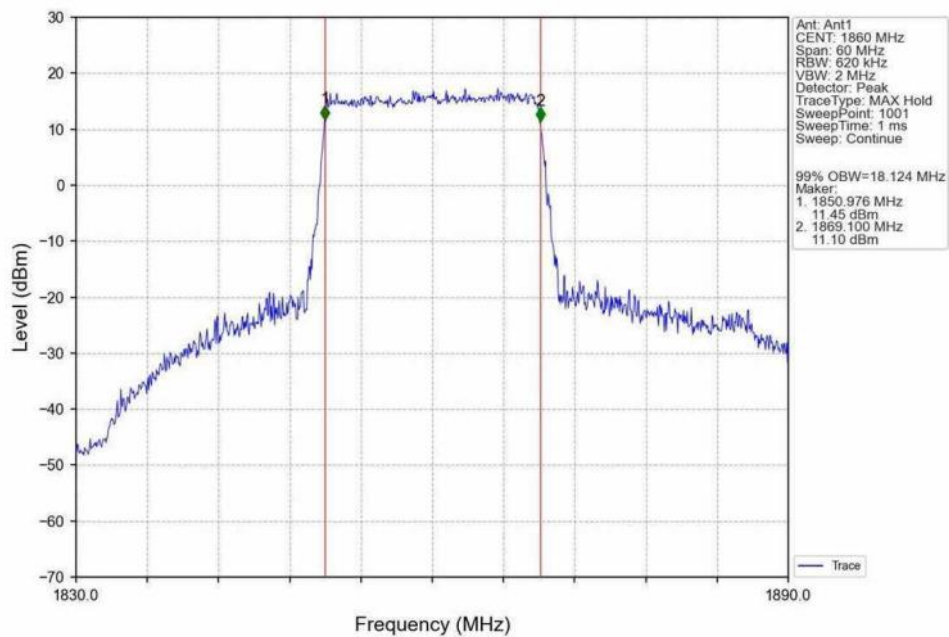
Band25 20MHz QPSK MCH 1882.5MHz RB 100 0 NTNV



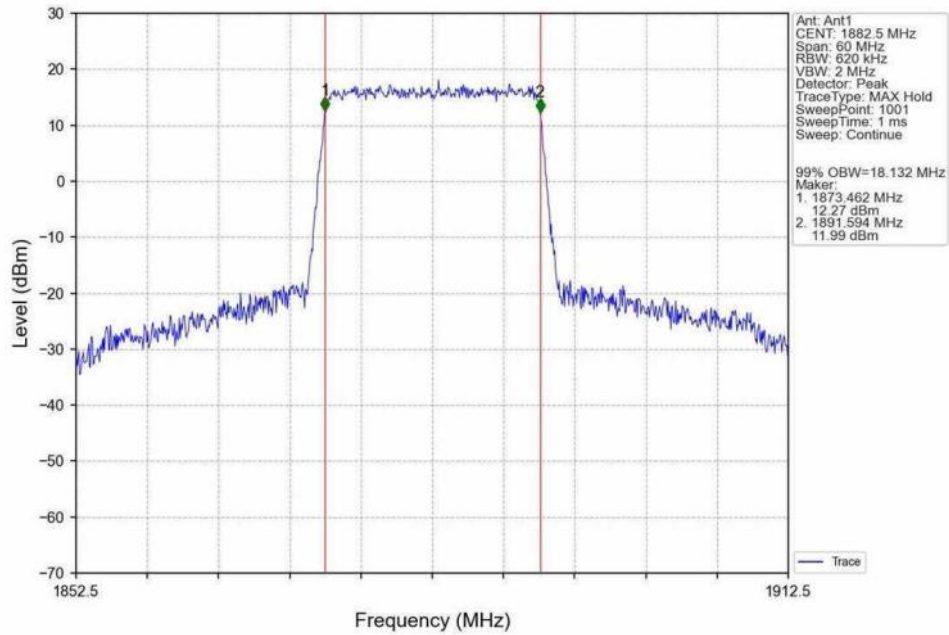
Band25 20MHz QPSK HCH 1905MHz RB 100 0 NTNV



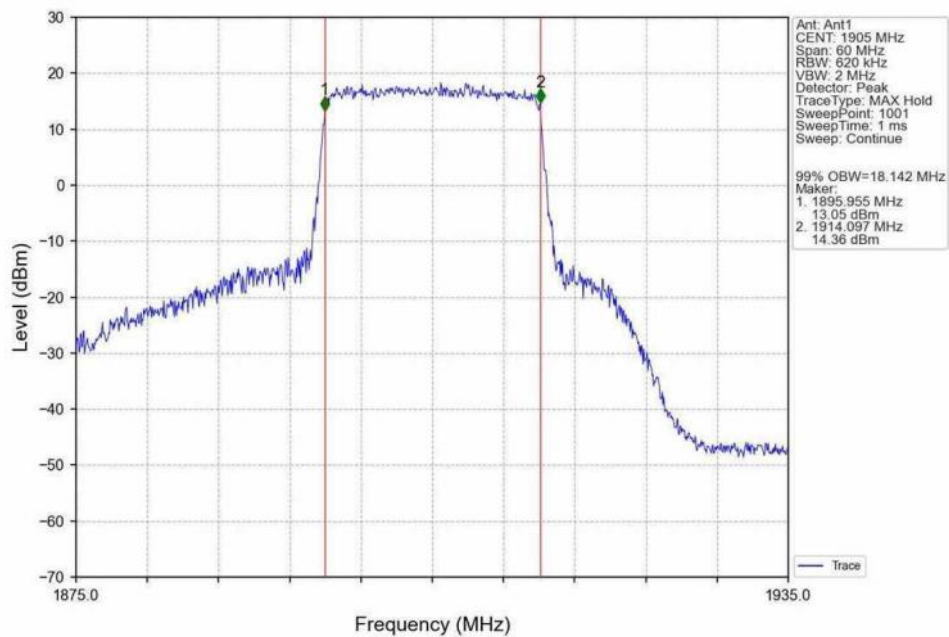
Band25 20MHz 16QAM LCH 1860MHz RB 100 0 NTNV



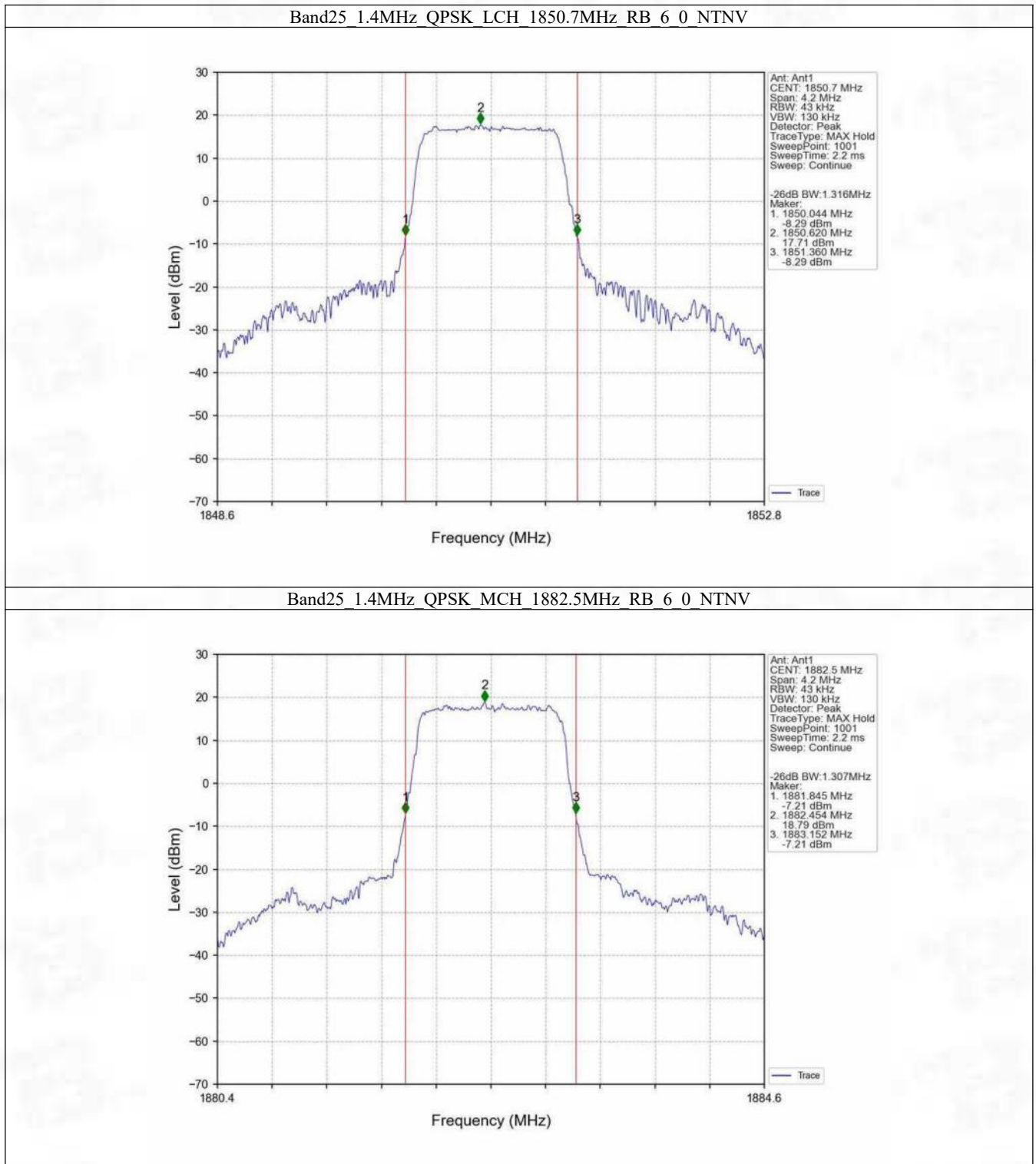
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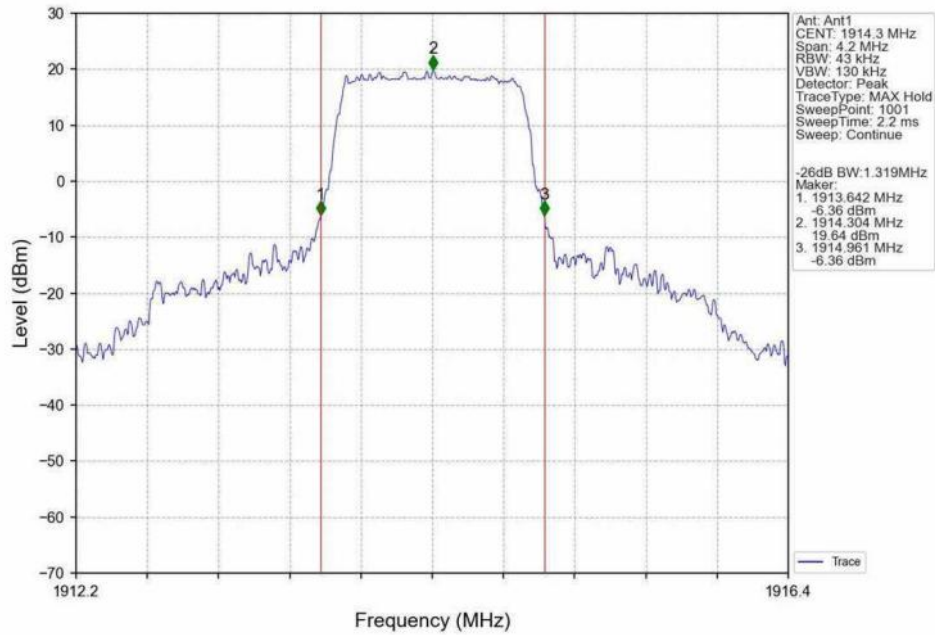
Band25 20MHz 16QAM HCH 1905MHz RB 100 0 NTNV



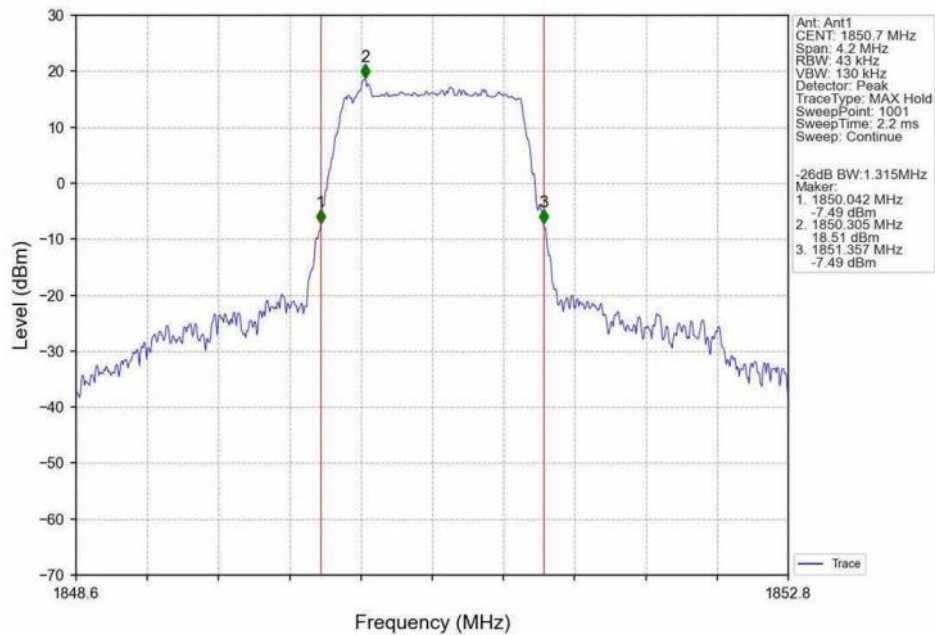
4.2.2 Band25_XDB



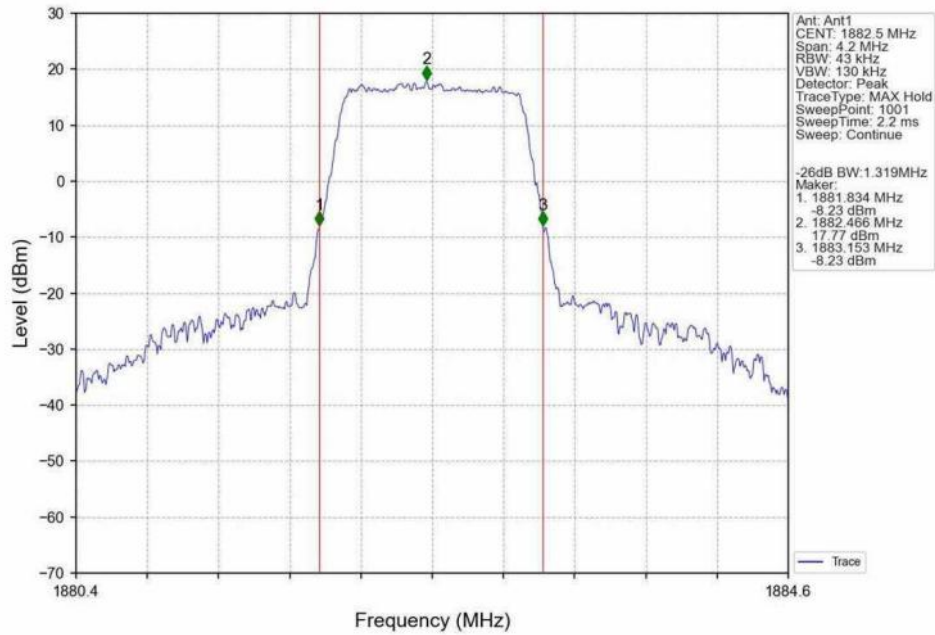
Band25 1.4MHz QPSK HCH 1914.3MHz RB 6 0 NTNV



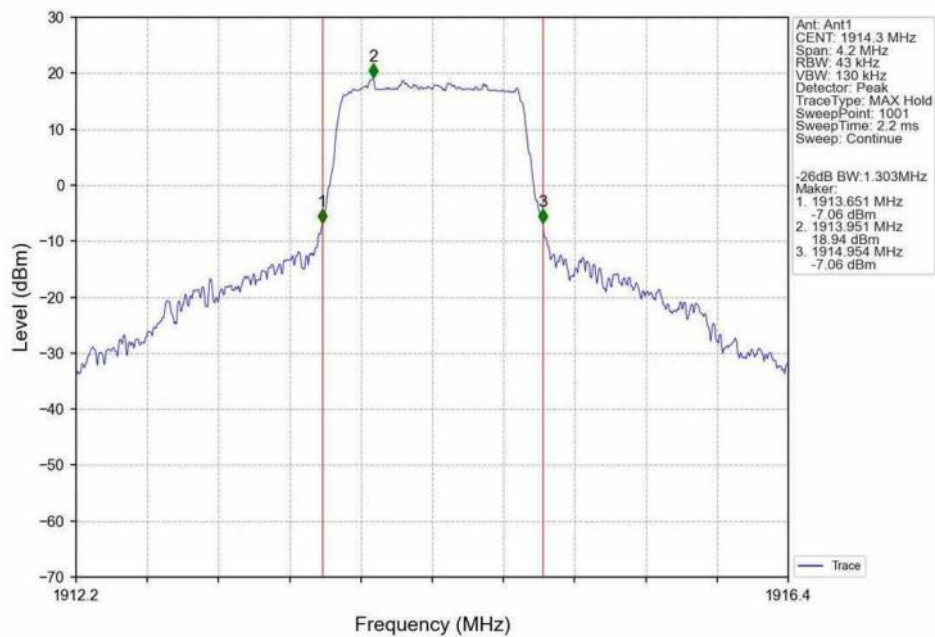
Band25 1.4MHz 16QAM LCH 1850.7MHz RB 6 0 NTNV



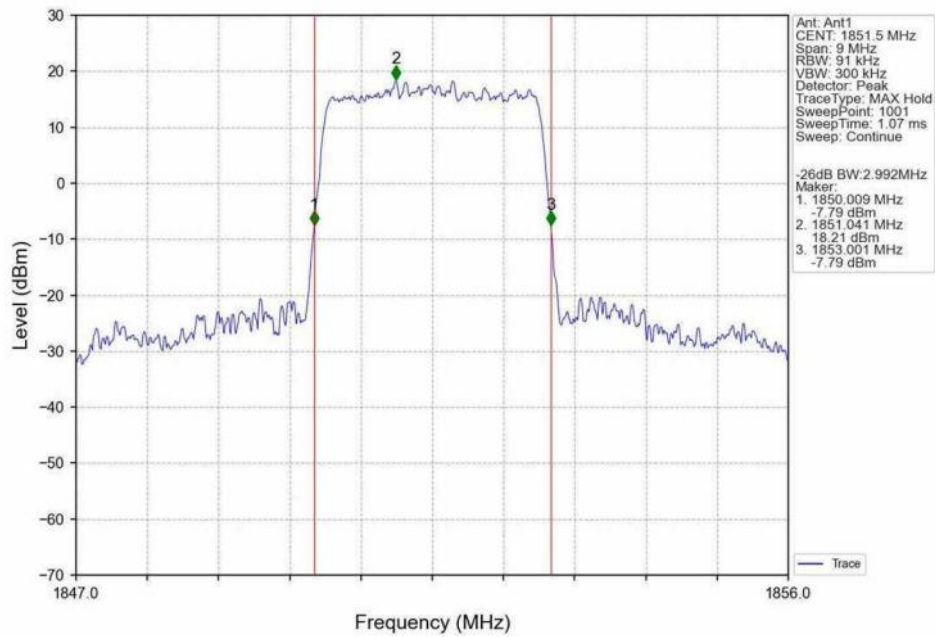
Band25 1.4MHz 16QAM MCH 1882.5MHz RB 6 0 NTNV



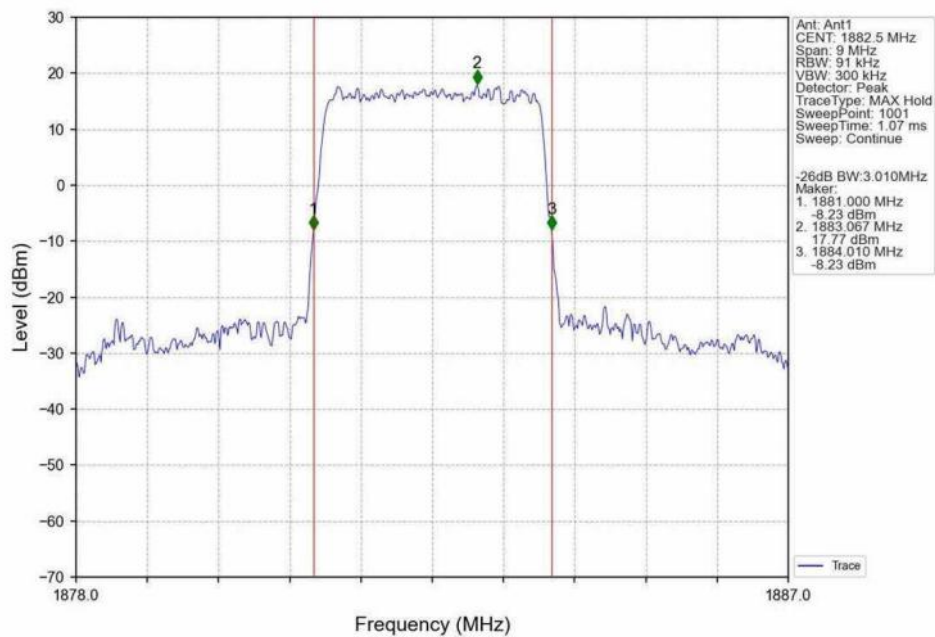
Band25 1.4MHz 16QAM HCH 1914.3MHz RB 6 0 NTNV



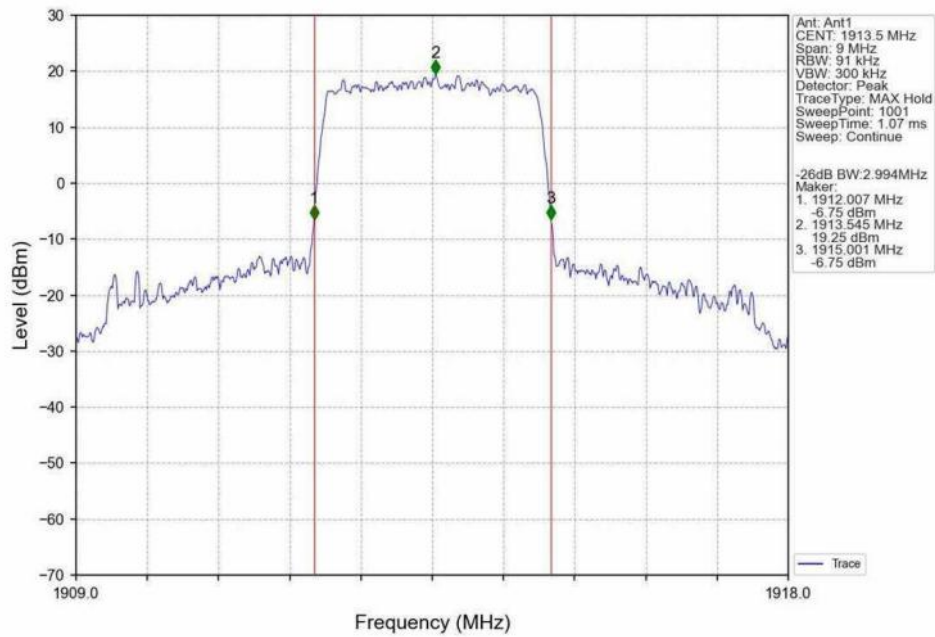
Band25_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



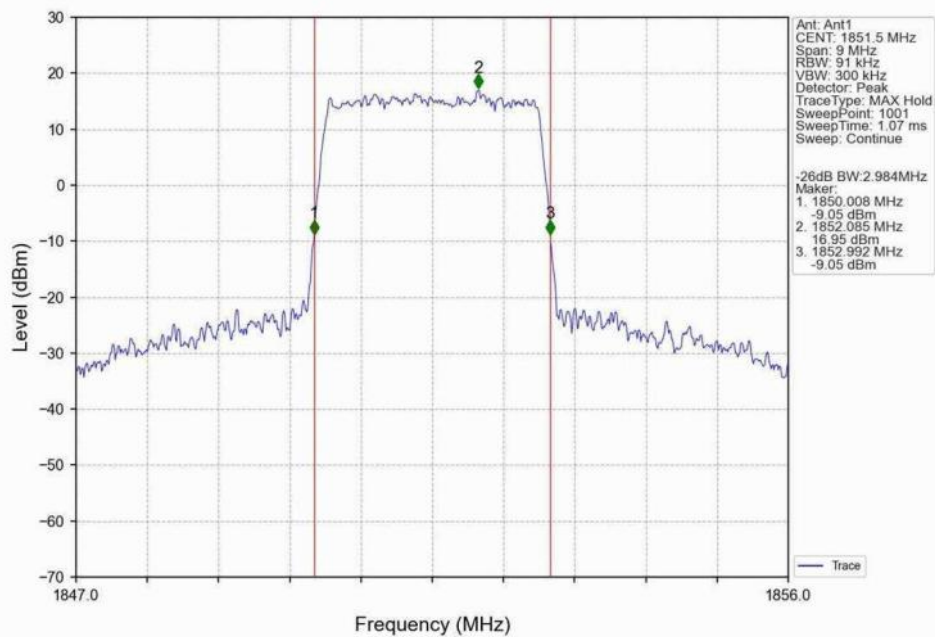
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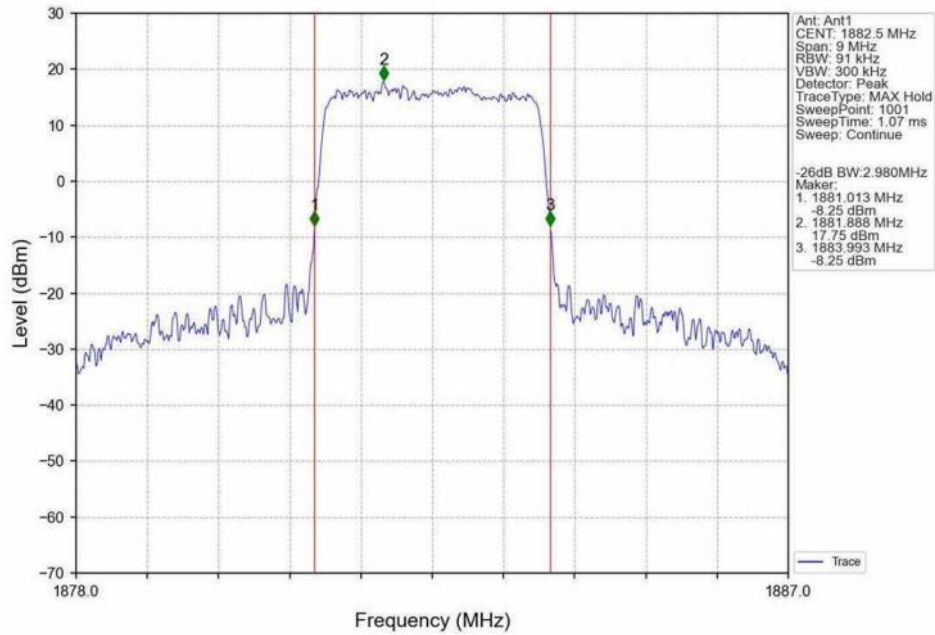
Band25 3MHz QPSK HCH 1913.5MHz RB 15 0 NTNV



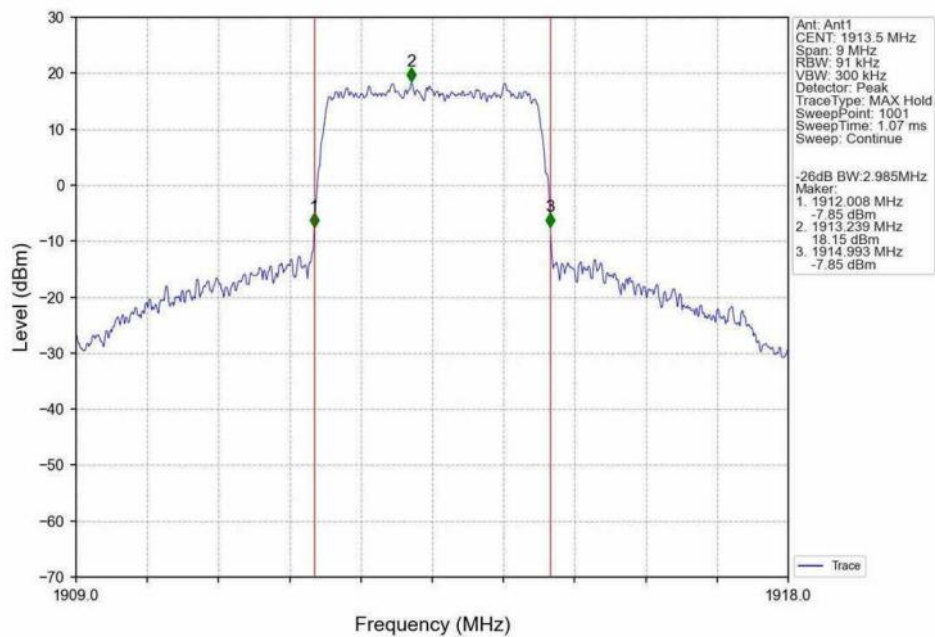
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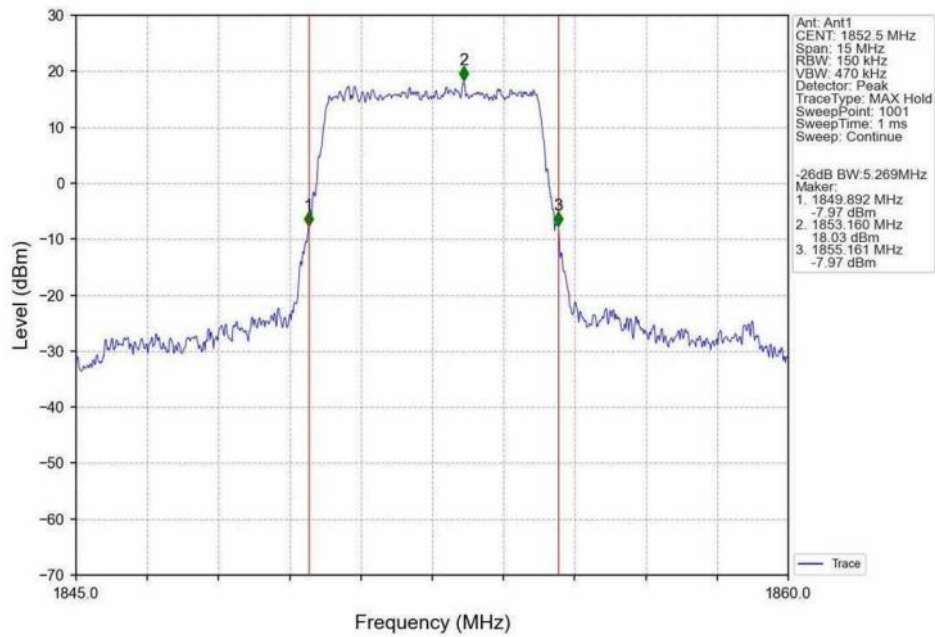
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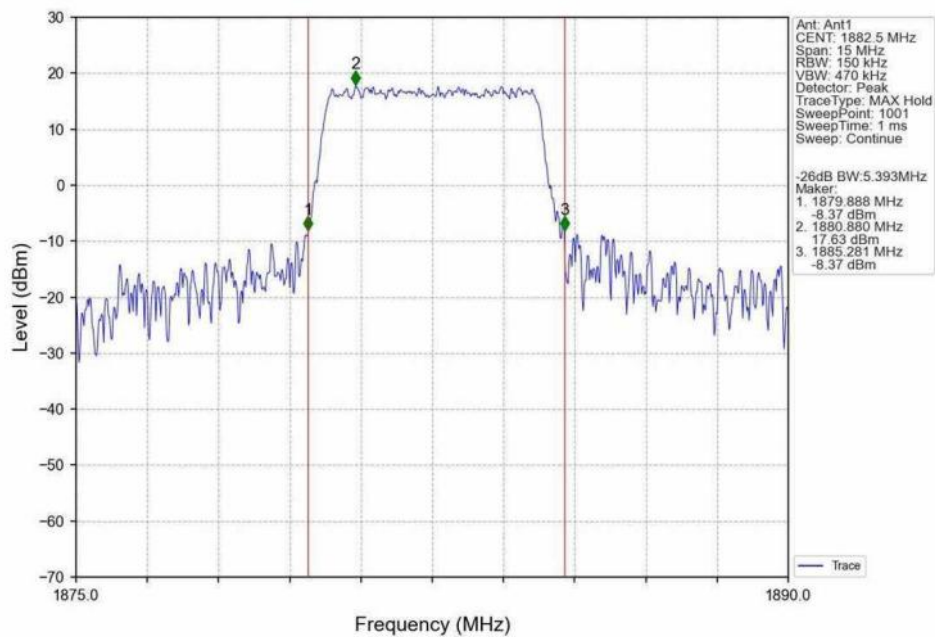
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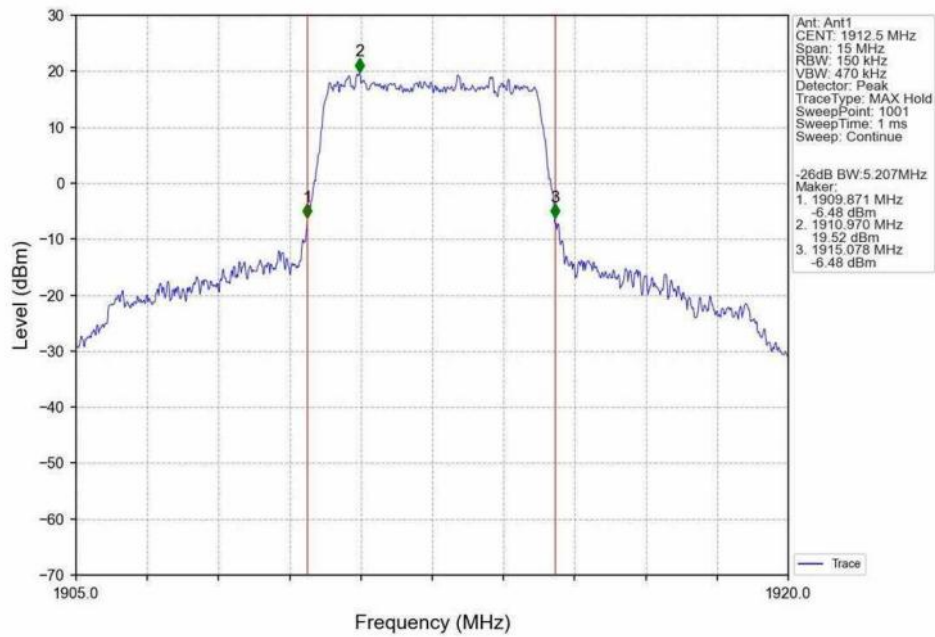
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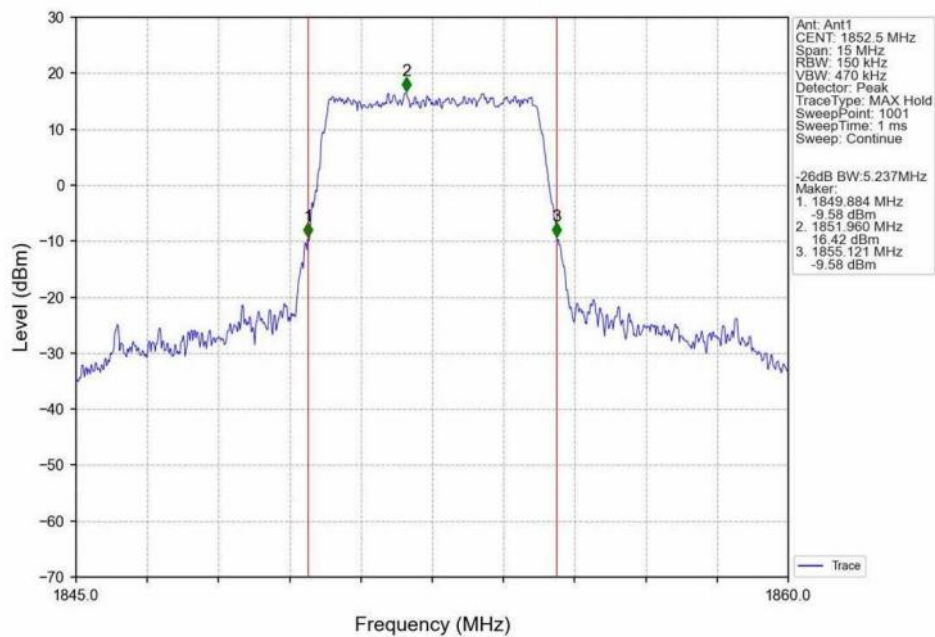
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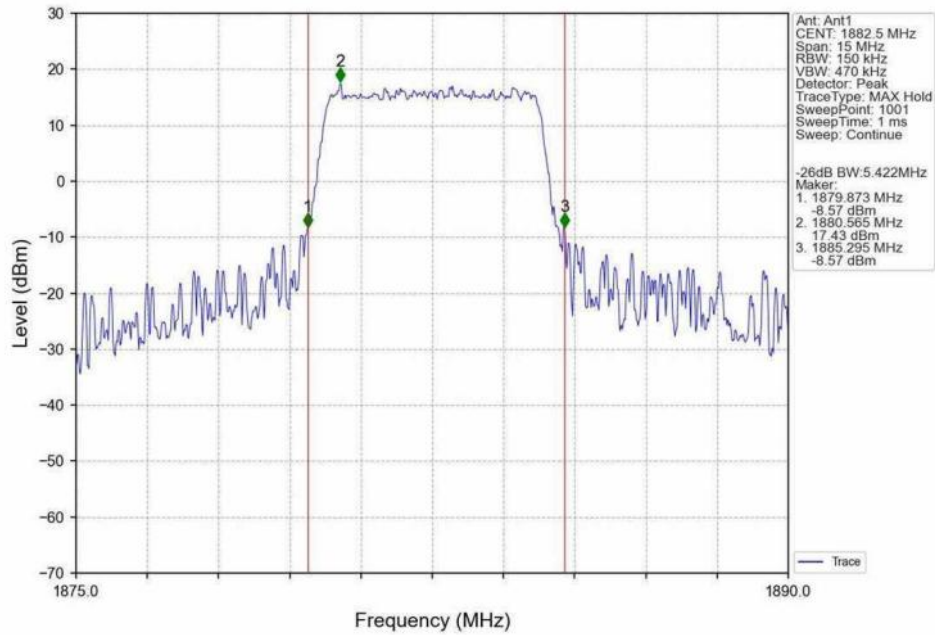
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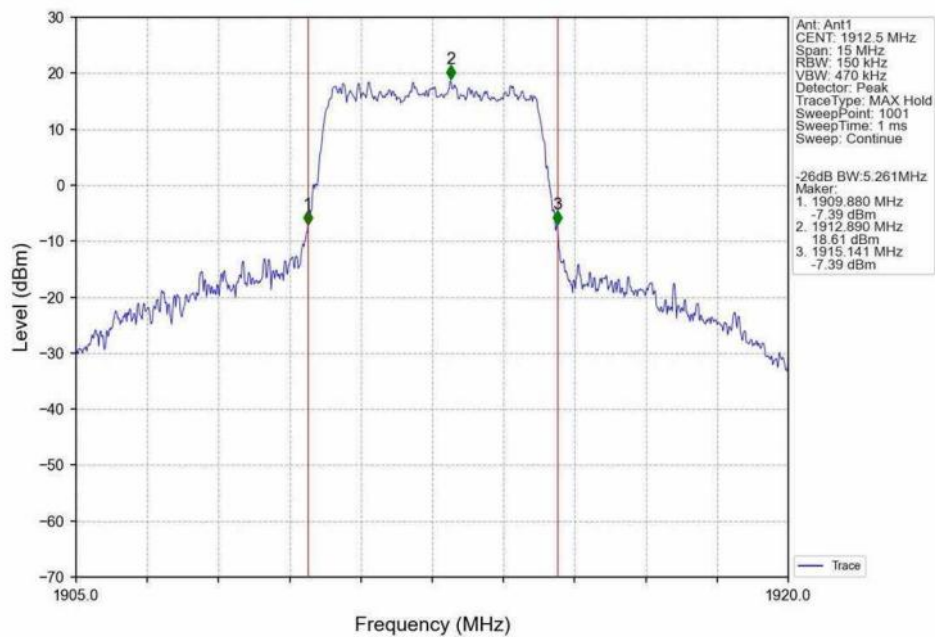
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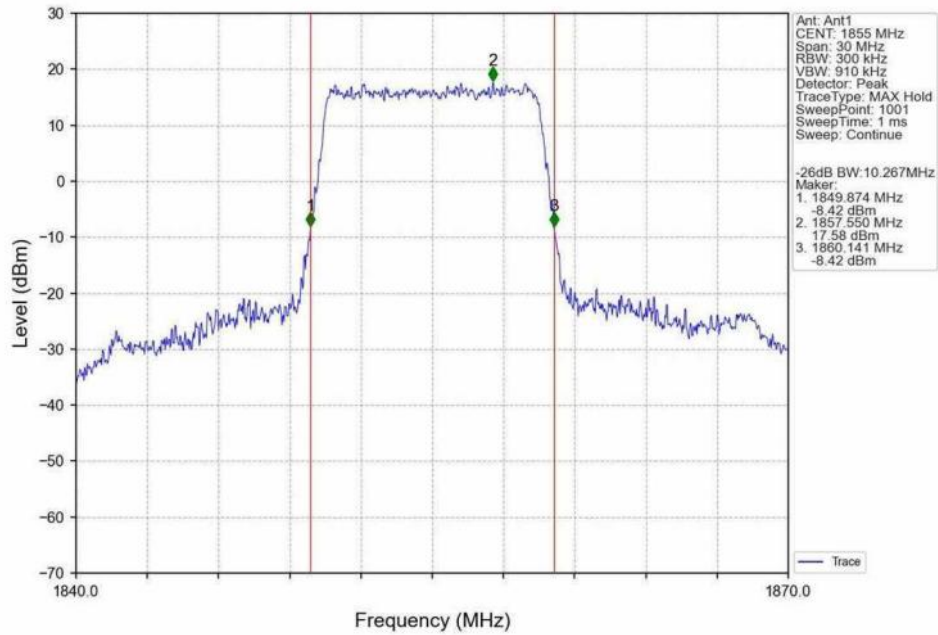
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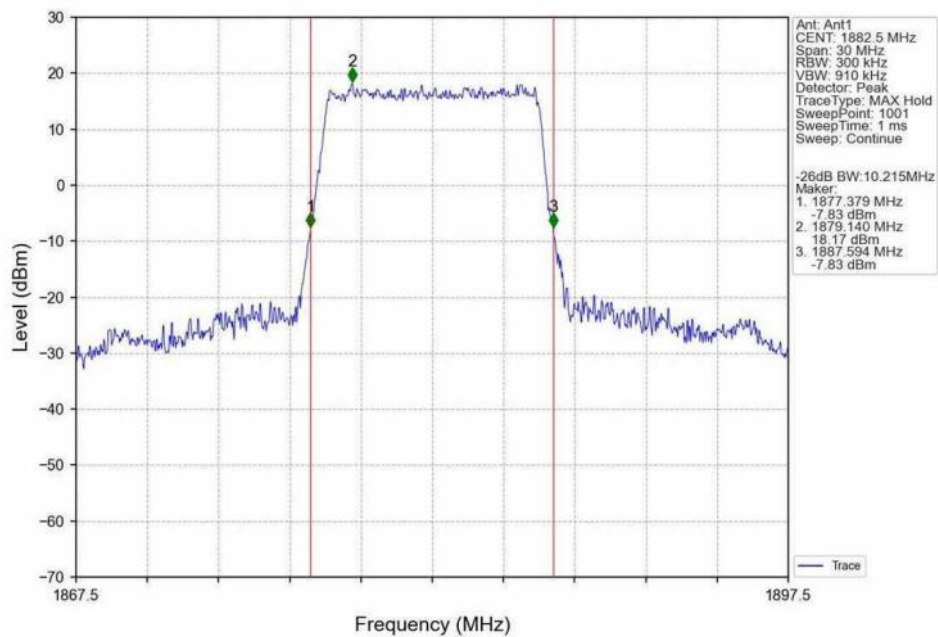
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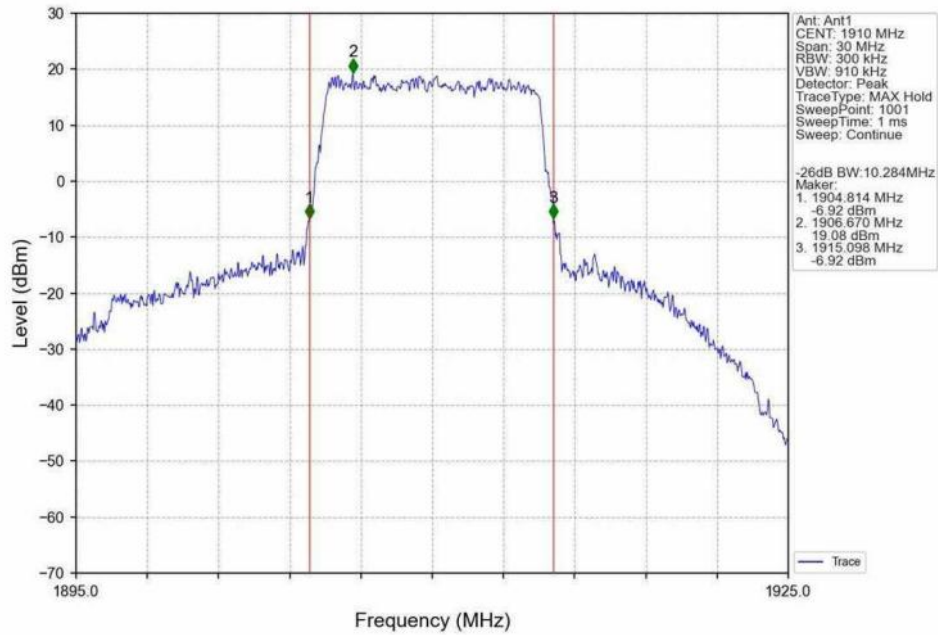
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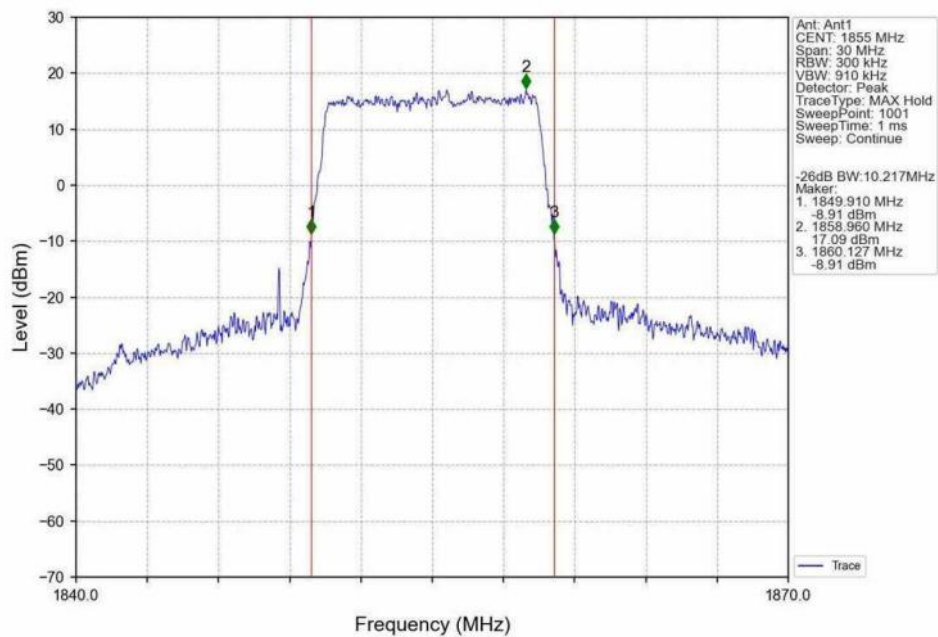
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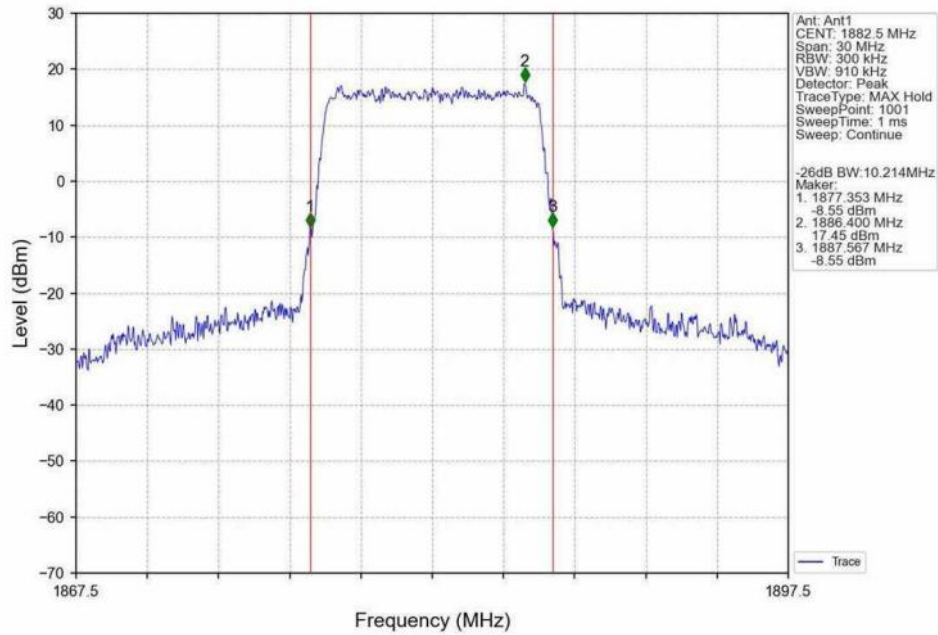
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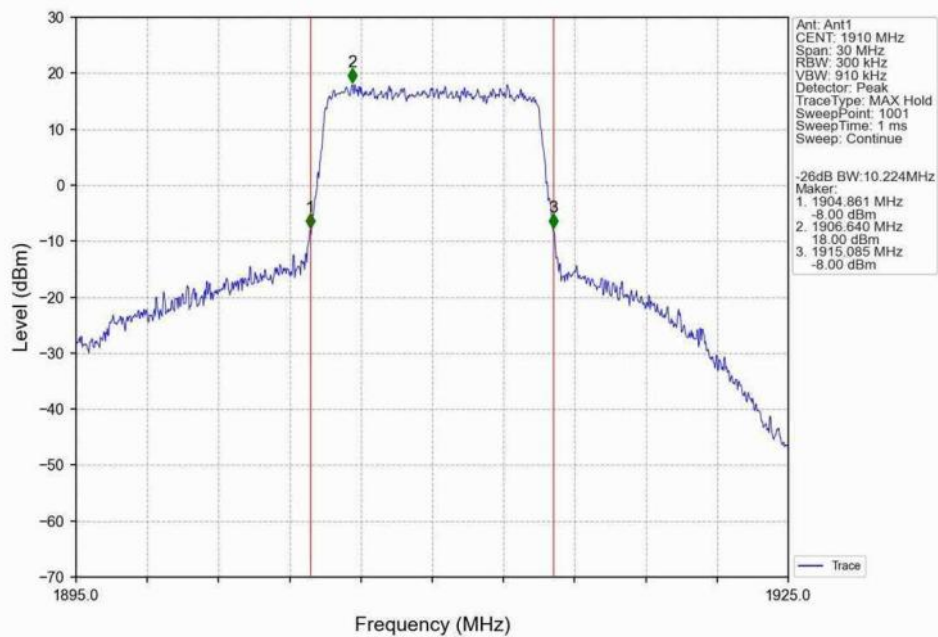
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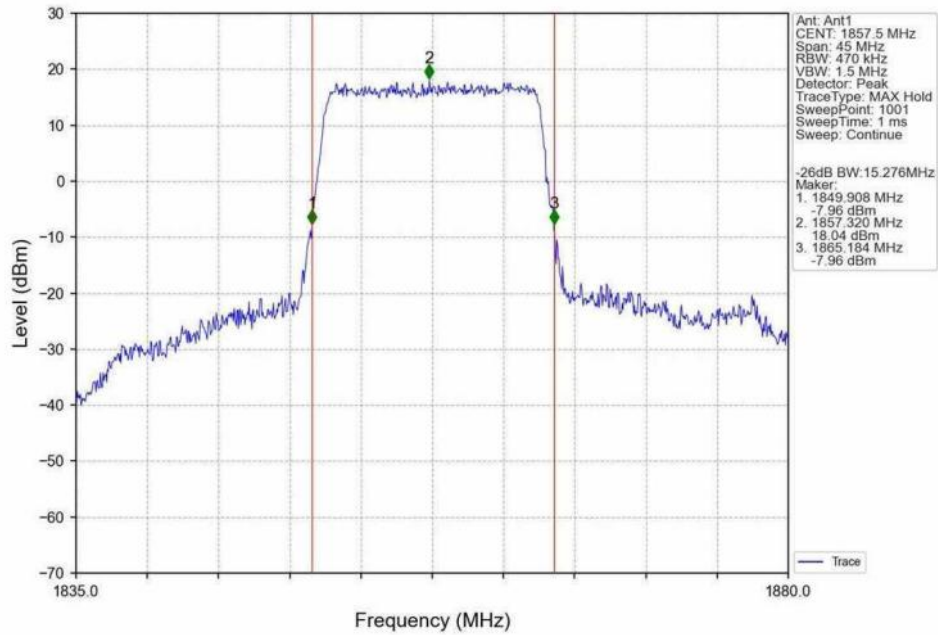
Band25 10MHz 16QAM MCH 1882.5MHz RB 50 0 NTNV



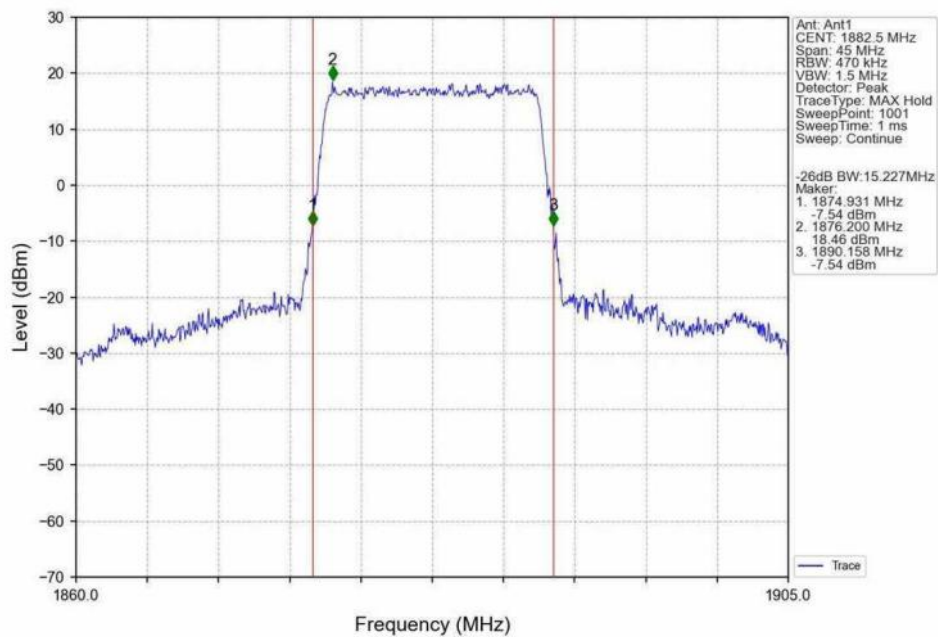
Band25 10MHz 16QAM HCH 1910MHz RB 50 0 NTNV



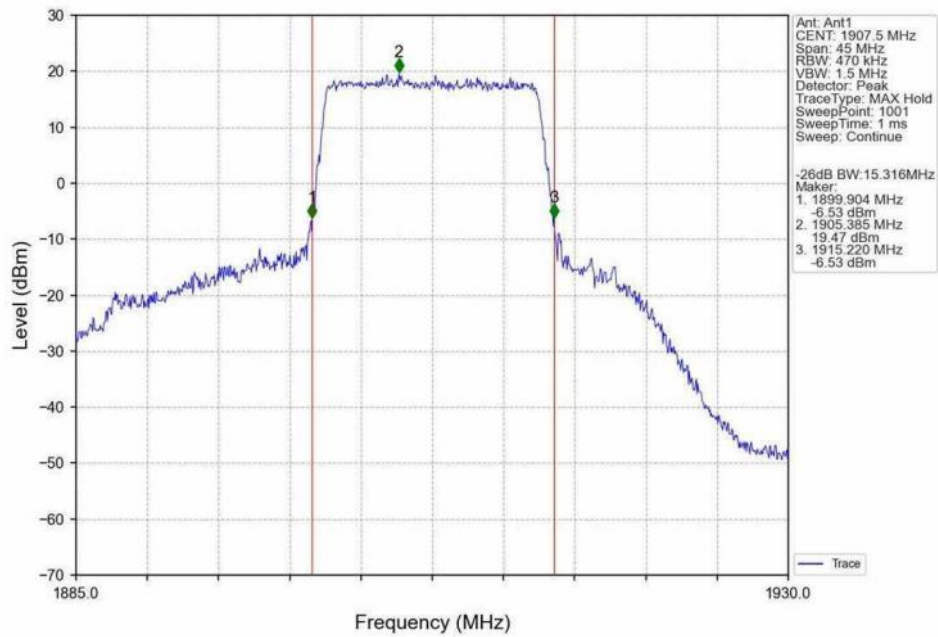
Band25 15MHz QPSK LCH 1857.5MHz RB 75 0 NTNV



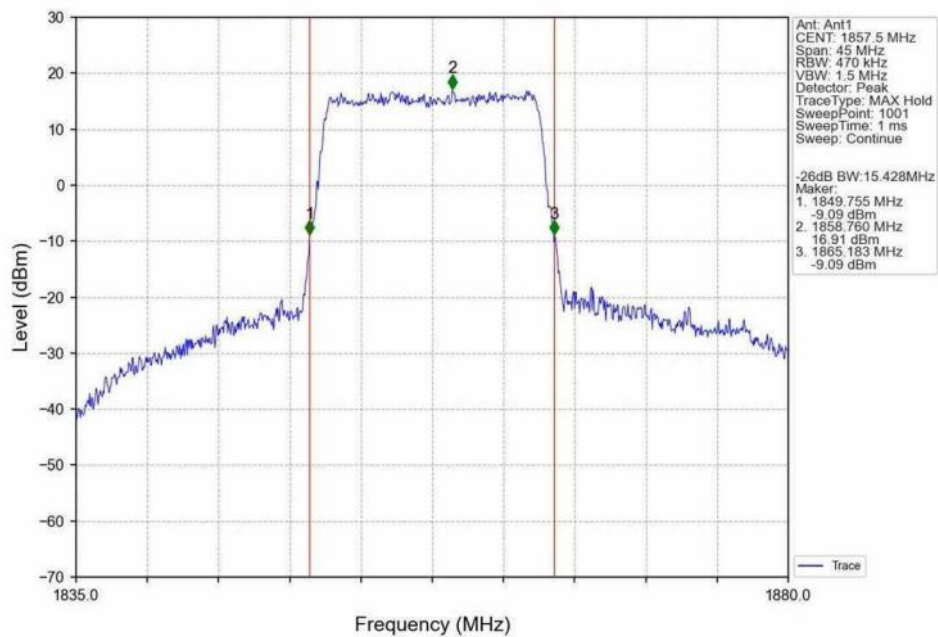
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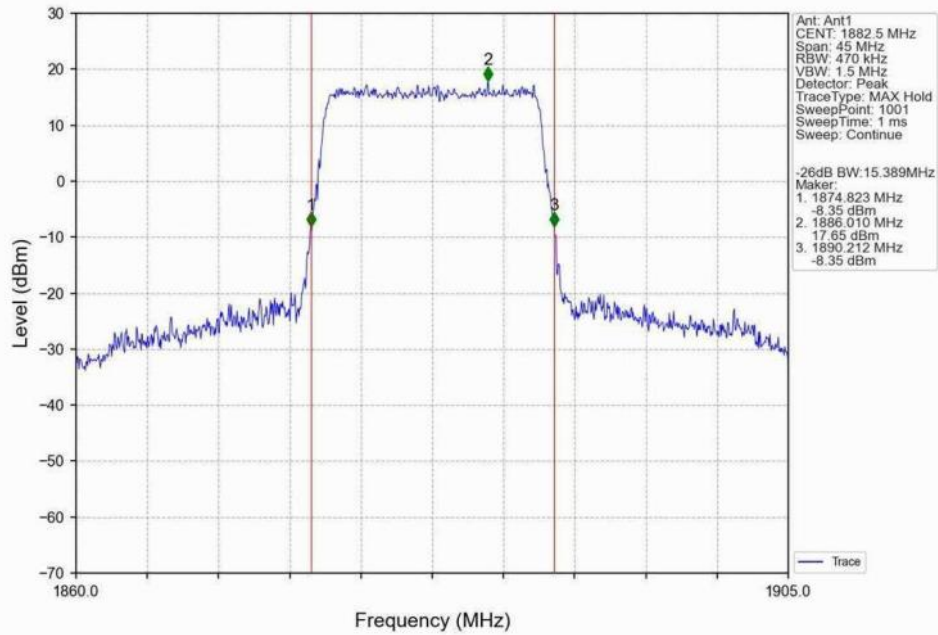
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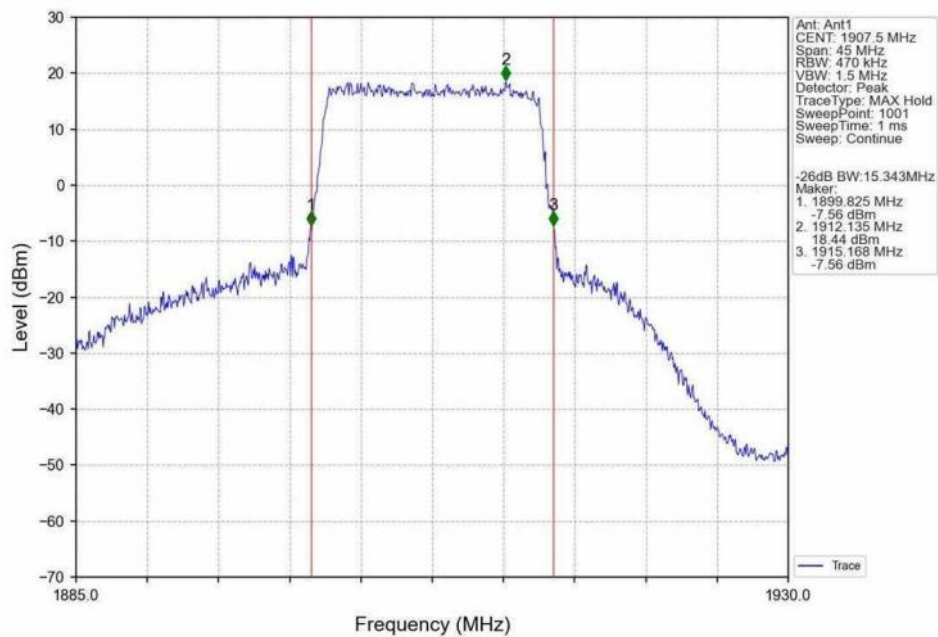
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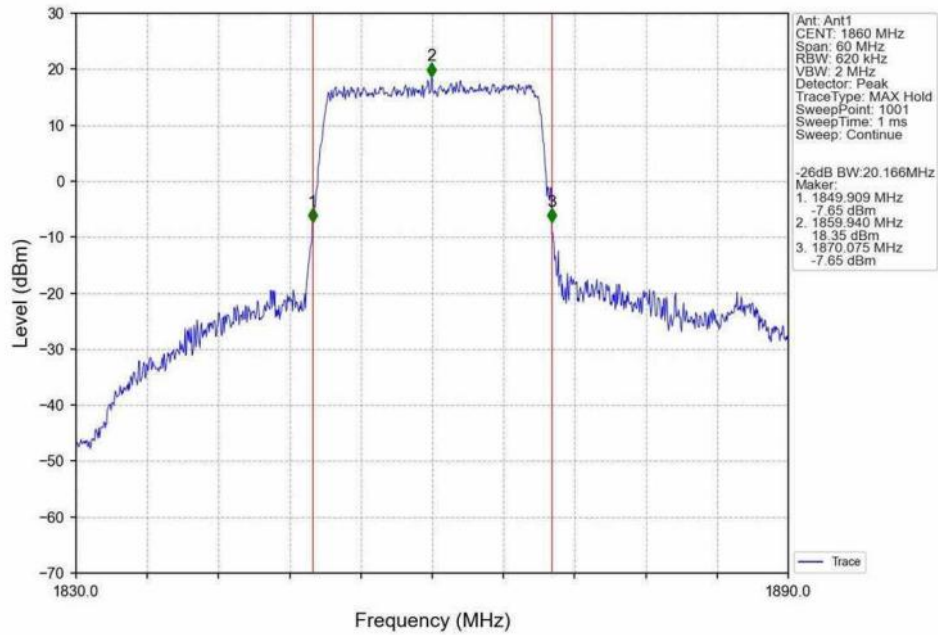
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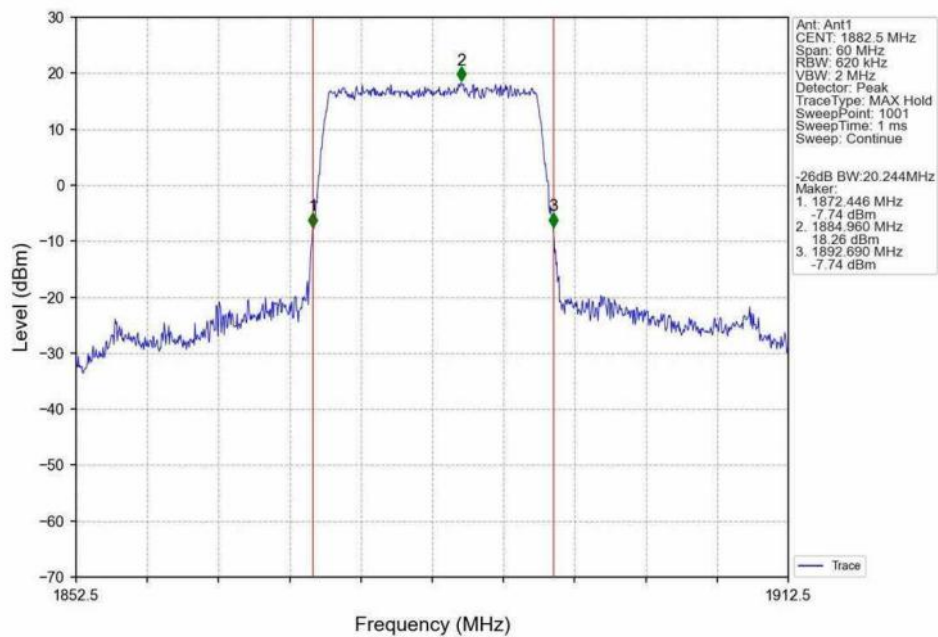
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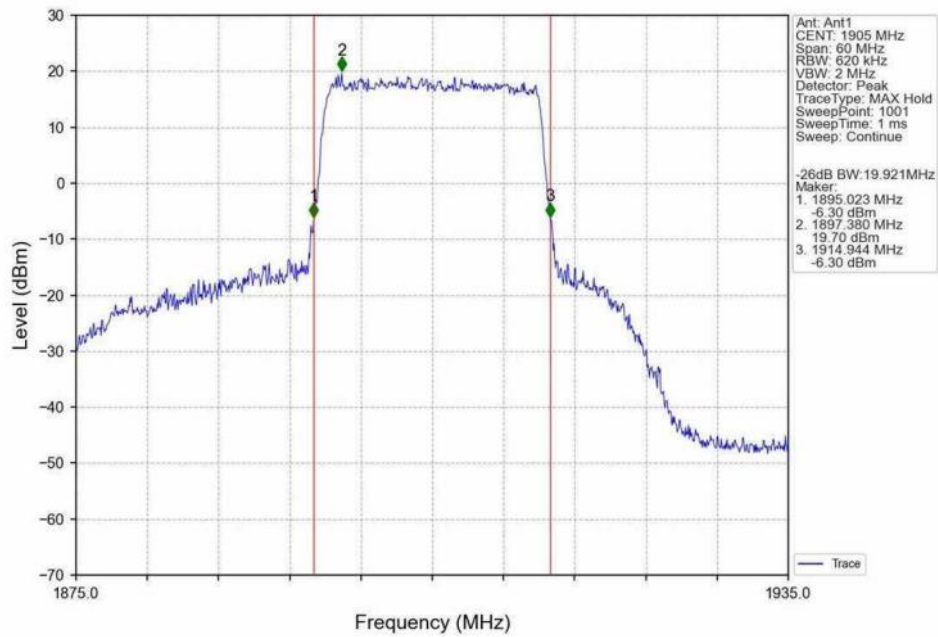
Band25 20MHz QPSK LCH 1860MHz RB 100 0 NTNV



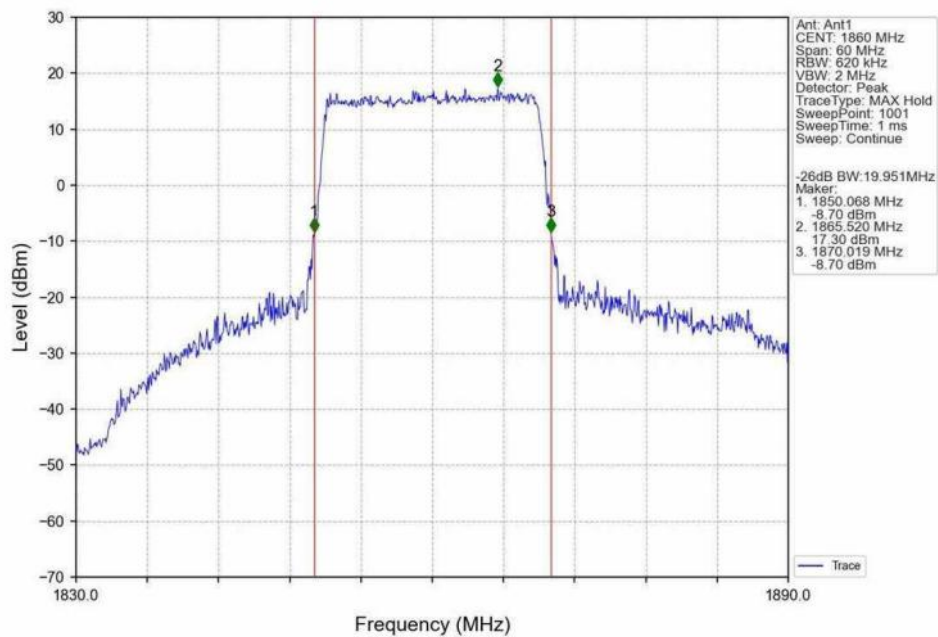
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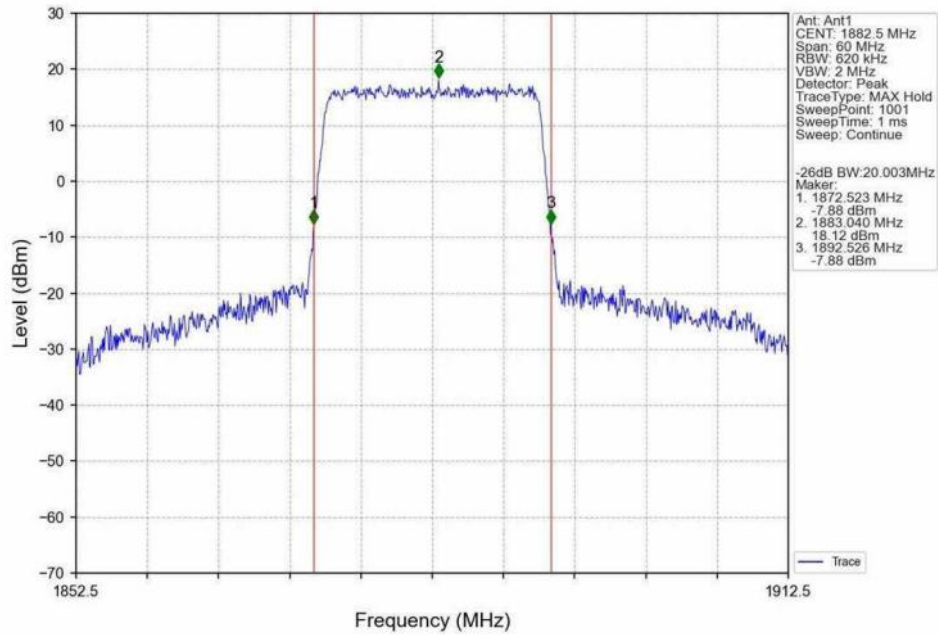
Band25 20MHz QPSK HCH 1905MHz RB 100 0 NTNV



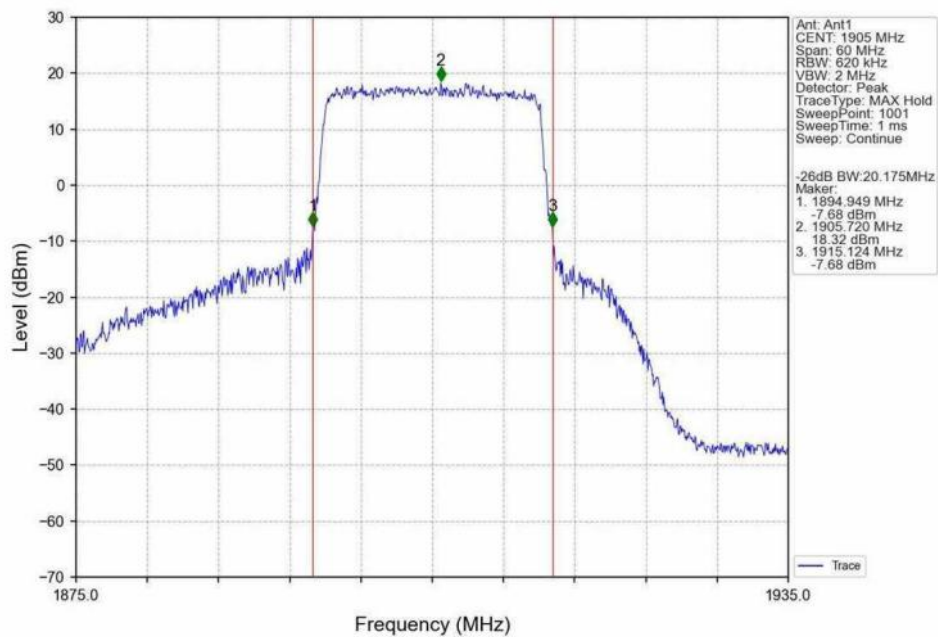
Band25 20MHz 16QAM LCH 1860MHz RB 100 0 NTNV



Band25 20MHz 16QAM MCH 1882.5MHz RB 100 0 NTNV



Band25 20MHz 16QAM HCH 1905MHz RB 100 0 NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B25_1.4MHz

Band: 25 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	6	0	5.22	<=13	Pass
	1882.5	6	0	5.33	<=13	Pass
	1914.3	6	0	4.20	<=13	Pass
16QAM	1850.7	6	0	6.07	<=13	Pass
	1882.5	6	0	6.12	<=13	Pass
	1914.3	6	0	5.12	<=13	Pass

5.1.2 B25_3MHz

Band: 25 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	15	0	5.30	<=13	Pass
	1882.5	15	0	5.35	<=13	Pass
	1913.5	15	0	4.43	<=13	Pass
16QAM	1851.5	15	0	6.13	<=13	Pass
	1882.5	15	0	6.19	<=13	Pass
	1913.5	15	0	5.32	<=13	Pass

5.1.3 B25_5MHz

Band: 25 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	25	0	5.52	<=13	Pass
	1882.5	25	0	5.58	<=13	Pass
	1912.5	25	0	4.89	<=13	Pass
16QAM	1852.5	25	0	6.27	<=13	Pass
	1882.5	25	0	6.29	<=13	Pass
	1912.5	25	0	5.63	<=13	Pass

5.1.4 B25_10MHz

Band: 25 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	50	0	5.47	<=13	Pass
	1882.5	50	0	5.53	<=13	Pass
	1910	50	0	4.93	<=13	Pass
16QAM	1855	50	0	6.24	<=13	Pass
	1882.5	50	0	6.31	<=13	Pass
	1910	50	0	5.69	<=13	Pass

5.1.5 B25_15MHz

Band: 25 / Bandwidth: 15MHz / NTNV						
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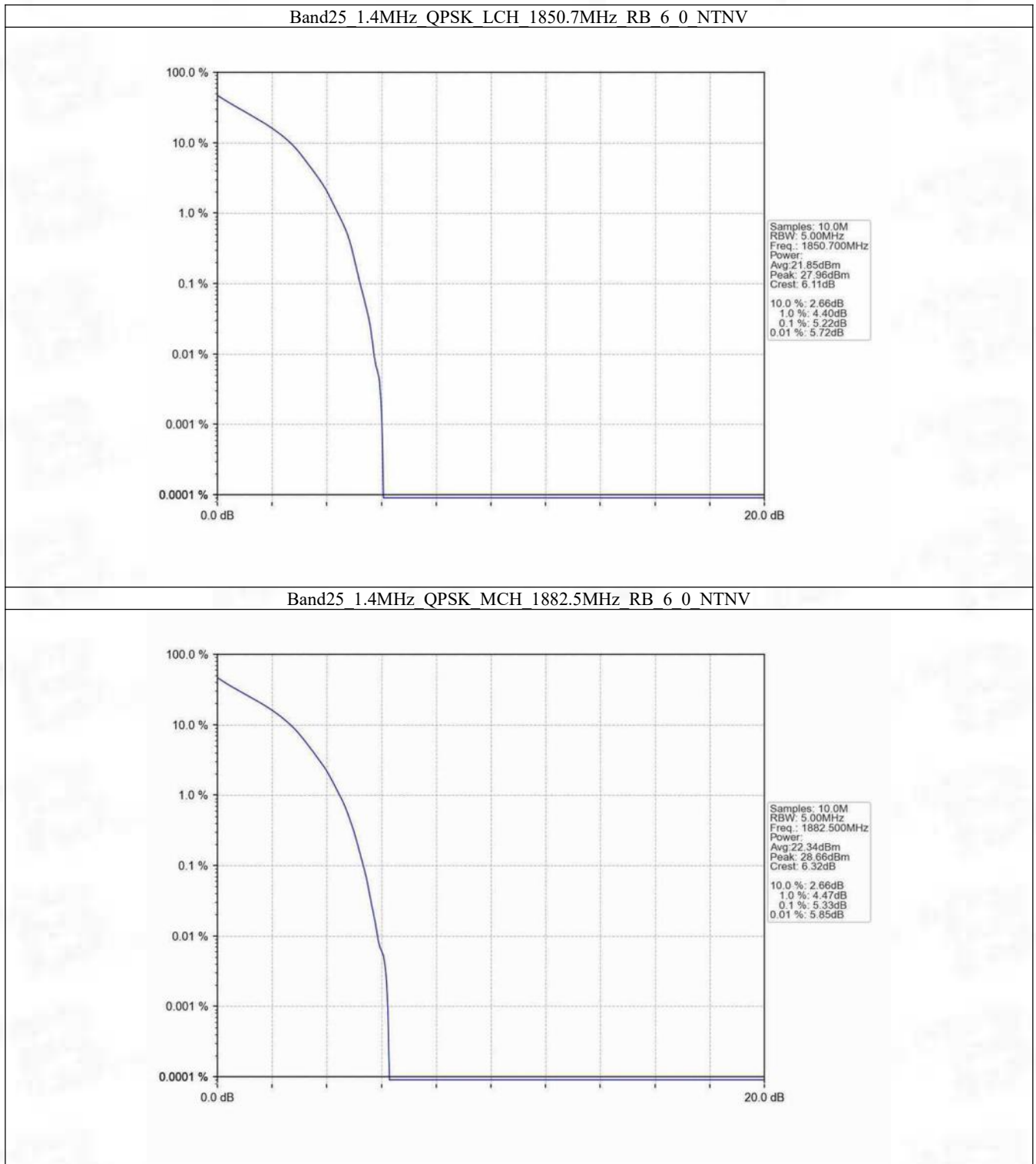
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	75	0	5.56	<=13	Pass
	1882.5	75	0	5.64	<=13	Pass
	1907.5	75	0	4.88	<=13	Pass
16QAM	1857.5	75	0	6.17	<=13	Pass
	1882.5	75	0	6.28	<=13	Pass
	1907.5	75	0	5.63	<=13	Pass

5.1.6 B25_20MHz

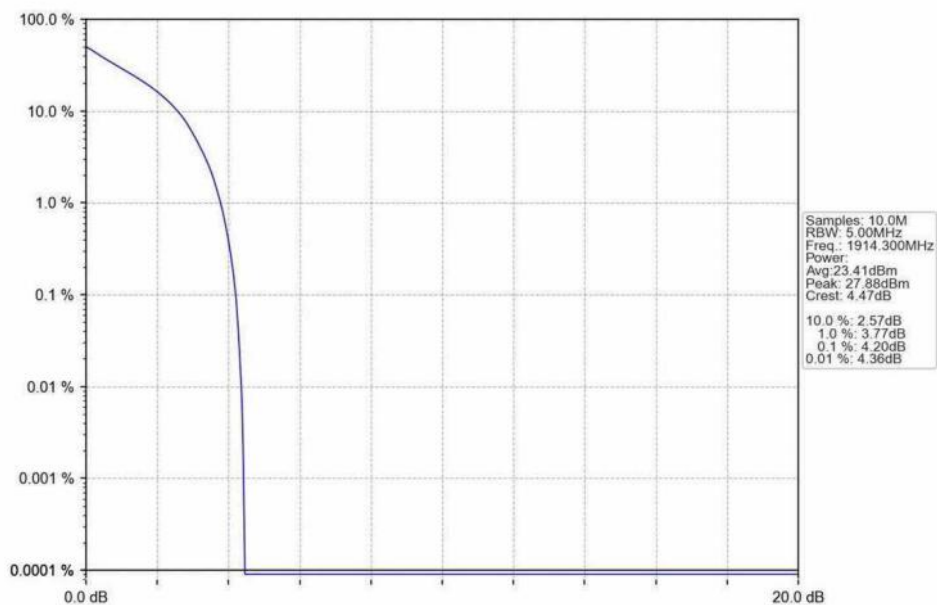
Band: 25 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	100	0	5.43	<=13	Pass
	1882.5	100	0	5.45	<=13	Pass
	1905	100	0	5.01	<=13	Pass
16QAM	1860	100	0	6.16	<=13	Pass
	1882.5	100	0	6.24	<=13	Pass
	1905	100	0	5.82	<=13	Pass

5.2 Test Graph

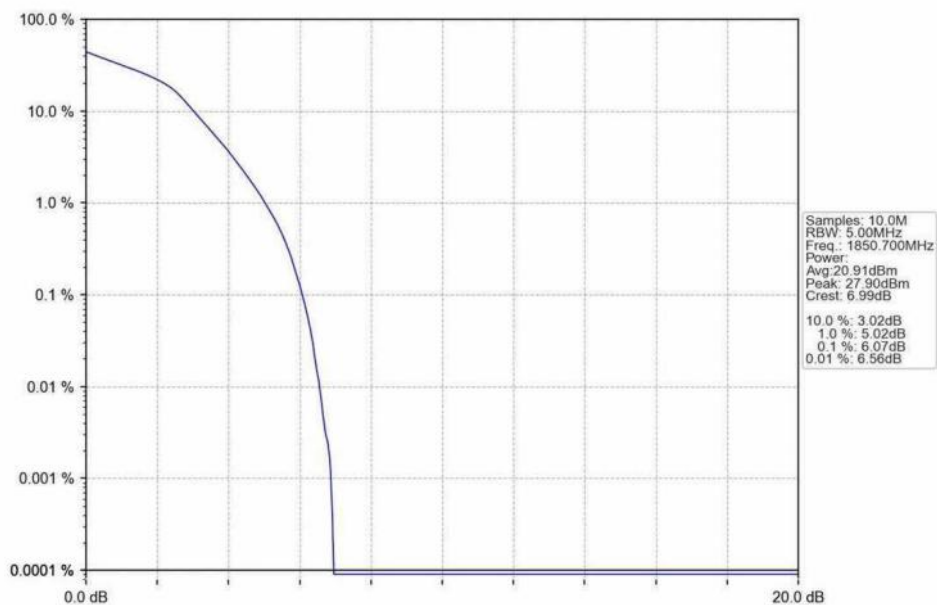
5.2.1 B25_1.4MHz



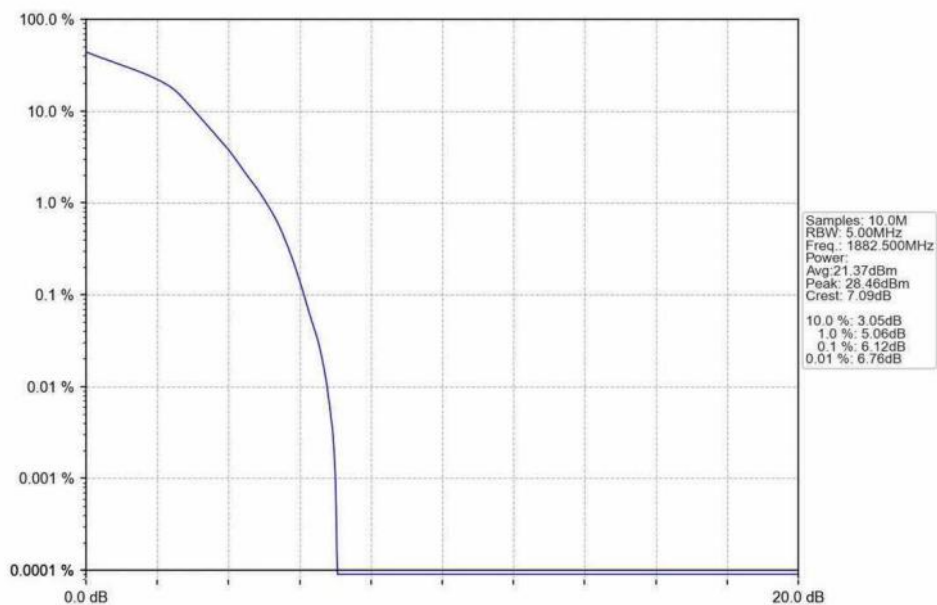
Band25 1.4MHz QPSK HCH 1914.3MHz RB 6 0 NTNV



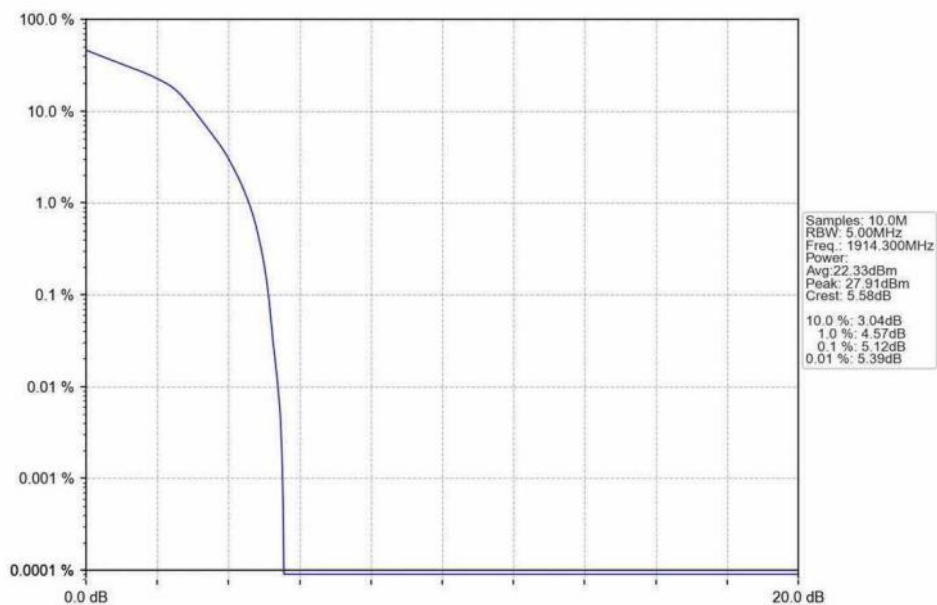
Band25 1.4MHz 16QAM LCH 1850.7MHz RB 6 0 NTNV



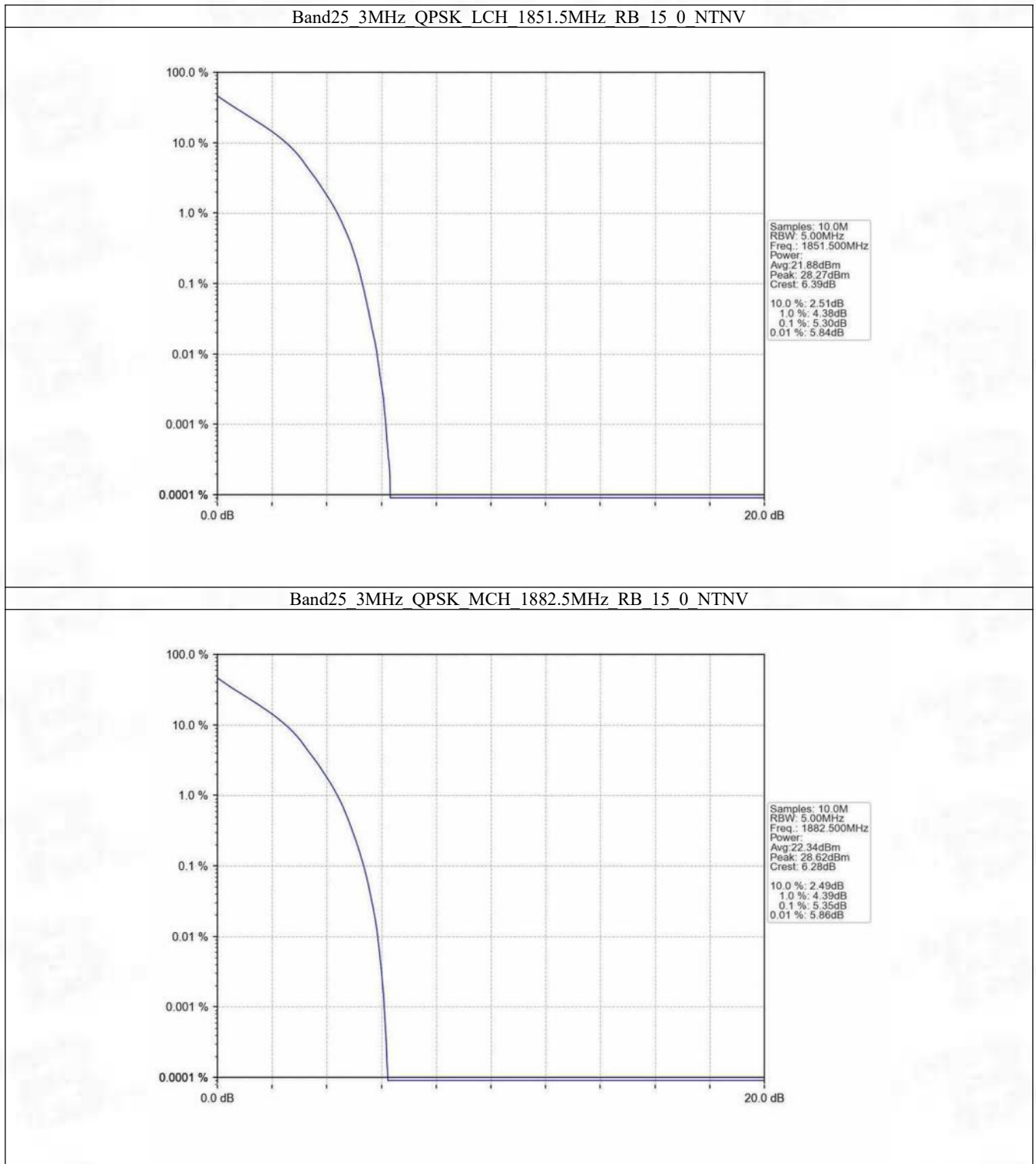
Band25 1.4MHz 16QAM MCH 1882.5MHz RB 6 0 NTV



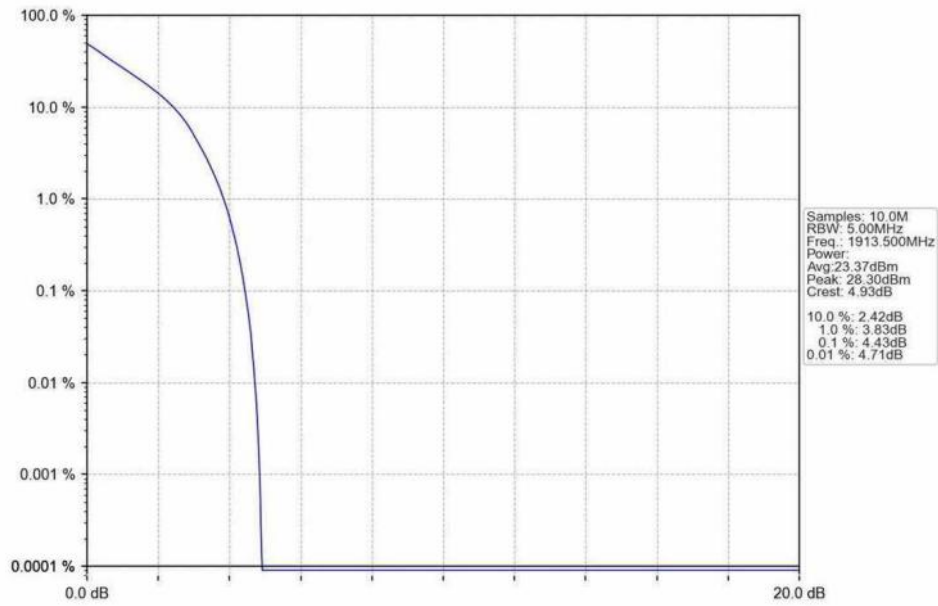
Band25 1.4MHz 16QAM HCH 1914.3MHz RB 6 0 NTV



5.2.2 B25_3MHz



Band25 3MHz QPSK HCH 1913.5MHz RB 15 0 NTNV



Band25 3MHz 16QAM LCH 1851.5MHz RB 15 0 NTNV

