

Appendix - 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	21.78	1.37	23.15	<=33.01	Pass
			2	21.90	1.37	23.27	<=33.01	Pass
			5	21.86	1.37	23.23	<=33.01	Pass
		3	0	21.93	1.37	23.30	<=33.01	Pass
			2	21.91	1.37	23.28	<=33.01	Pass
			3	21.87	1.37	23.24	<=33.01	Pass
		6	0	20.85	1.37	22.22	<=33.01	Pass
	1882.5	1	0	21.81	1.37	23.18	<=33.01	Pass
			2	21.87	1.37	23.24	<=33.01	Pass
			5	21.80	1.37	23.17	<=33.01	Pass
		3	0	21.89	1.37	23.26	<=33.01	Pass
			2	21.82	1.37	23.19	<=33.01	Pass
			3	21.88	1.37	23.25	<=33.01	Pass
		6	0	20.90	1.37	22.27	<=33.01	Pass
	1914.3	1	0	21.79	1.37	23.16	<=33.01	Pass
			2	21.75	1.37	23.12	<=33.01	Pass
			5	21.79	1.37	23.16	<=33.01	Pass
		3	0	21.88	1.37	23.25	<=33.01	Pass
			2	21.88	1.37	23.25	<=33.01	Pass
			3	21.83	1.37	23.20	<=33.01	Pass
		6	0	20.81	1.37	22.18	<=33.01	Pass
16QAM	1850.7	1	0	20.98	1.37	22.35	<=33.01	Pass
			2	20.88	1.37	22.25	<=33.01	Pass
			5	20.96	1.37	22.33	<=33.01	Pass
		3	0	20.70	1.37	22.07	<=33.01	Pass
			2	20.71	1.37	22.08	<=33.01	Pass
			3	20.70	1.37	22.07	<=33.01	Pass
		6	0	20.34	1.37	21.71	<=33.01	Pass
	1882.5	1	0	21.59	1.37	22.96	<=33.01	Pass
			2	21.63	1.37	23.00	<=33.01	Pass
			5	21.60	1.37	22.97	<=33.01	Pass
		3	0	21.08	1.37	22.45	<=33.01	Pass
			2	21.09	1.37	22.46	<=33.01	Pass
			3	21.08	1.37	22.45	<=33.01	Pass
		6	0	20.39	1.37	21.76	<=33.01	Pass
	1914.3	1	0	21.33	1.37	22.70	<=33.01	Pass
			2	21.35	1.37	22.72	<=33.01	Pass
			5	21.38	1.37	22.75	<=33.01	Pass
		3	0	20.64	1.37	22.01	<=33.01	Pass
			2	20.76	1.37	22.13	<=33.01	Pass
			3	20.76	1.37	22.13	<=33.01	Pass
		6	0	19.88	1.37	21.25	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B25_3MHz_EIRP

Band: 25 / 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	21.93	1.37	23.30	<=33.01	Pass	
			7	21.91	1.37	23.28	<=33.01	Pass	
			14	21.97	1.37	23.34	<=33.01	Pass	
		8	0	20.87	1.37	22.24	<=33.01	Pass	
			4	20.89	1.37	22.26	<=33.01	Pass	
			7	20.95	1.37	22.32	<=33.01	Pass	
		15	0	20.89	1.37	22.26	<=33.01	Pass	
		1882.5	1	0	21.77	1.37	23.14	<=33.01	Pass
				7	21.76	1.37	23.13	<=33.01	Pass
	14			21.70	1.37	23.07	<=33.01	Pass	
	8		0	20.91	1.37	22.28	<=33.01	Pass	
			4	20.98	1.37	22.35	<=33.01	Pass	
			7	20.95	1.37	22.32	<=33.01	Pass	
	15		0	20.93	1.37	22.30	<=33.01	Pass	
	1913.5		1	0	21.80	1.37	23.17	<=33.01	Pass
				7	21.81	1.37	23.18	<=33.01	Pass
		14		21.73	1.37	23.10	<=33.01	Pass	
		8	0	20.90	1.37	22.27	<=33.01	Pass	
			4	20.83	1.37	22.20	<=33.01	Pass	
			7	20.88	1.37	22.25	<=33.01	Pass	
		15	0	20.79	1.37	22.16	<=33.01	Pass	
16QAM		1851.5	1	0	21.10	1.37	22.47	<=33.01	Pass
				7	21.15	1.37	22.52	<=33.01	Pass
	14			21.15	1.37	22.52	<=33.01	Pass	
	8		0	20.37	1.37	21.74	<=33.01	Pass	
			4	20.48	1.37	21.85	<=33.01	Pass	
			7	20.46	1.37	21.83	<=33.01	Pass	
	15		0	20.29	1.37	21.66	<=33.01	Pass	
	1882.5		1	0	21.65	1.37	23.02	<=33.01	Pass
				7	21.65	1.37	23.02	<=33.01	Pass
		14		21.65	1.37	23.02	<=33.01	Pass	
		8	0	20.11	1.37	21.48	<=33.01	Pass	
			4	20.38	1.37	21.75	<=33.01	Pass	
			7	20.35	1.37	21.72	<=33.01	Pass	
		15	0	20.37	1.37	21.74	<=33.01	Pass	
		1913.5	1	0	21.72	1.37	23.09	<=33.01	Pass
				7	21.73	1.37	23.10	<=33.01	Pass
	14			21.70	1.37	23.07	<=33.01	Pass	
	8		0	20.19	1.37	21.56	<=33.01	Pass	
			4	20.12	1.37	21.49	<=33.01	Pass	
			7	20.17	1.37	21.54	<=33.01	Pass	
	15		0	19.94	1.37	21.31	<=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	21.77	1.37	23.14	<=33.01	Pass
			13	21.86	1.37	23.23	<=33.01	Pass
			24	21.79	1.37	23.16	<=33.01	Pass
		12	0	20.97	1.37	22.34	<=33.01	Pass
			6	20.94	1.37	22.31	<=33.01	Pass
			13	20.98	1.37	22.35	<=33.01	Pass

16QAM	1882.5	25	0	20.99	1.37	22.36	<=33.01	Pass
			0	21.89	1.37	23.26	<=33.01	Pass
			13	21.85	1.37	23.22	<=33.01	Pass
		1	24	21.94	1.37	23.31	<=33.01	Pass
			0	20.96	1.37	22.33	<=33.01	Pass
			6	21.02	1.37	22.39	<=33.01	Pass
			13	21.04	1.37	22.41	<=33.01	Pass
		12	25	21.02	1.37	22.39	<=33.01	Pass
			0	21.81	1.37	23.18	<=33.01	Pass
			13	21.83	1.37	23.20	<=33.01	Pass
	1912.5	1	24	21.79	1.37	23.16	<=33.01	Pass
			0	20.89	1.37	22.26	<=33.01	Pass
			6	20.91	1.37	22.28	<=33.01	Pass
		12	13	20.91	1.37	22.28	<=33.01	Pass
			25	20.80	1.37	22.17	<=33.01	Pass
			0	21.42	1.37	22.79	<=33.01	Pass
		1	13	21.50	1.37	22.87	<=33.01	Pass
			24	21.52	1.37	22.89	<=33.01	Pass
			0	20.29	1.37	21.66	<=33.01	Pass
16QAM	1852.5	12	6	20.34	1.37	21.71	<=33.01	Pass
			13	20.30	1.37	21.67	<=33.01	Pass
			25	20.33	1.37	21.70	<=33.01	Pass
	1882.5	1	0	21.56	1.37	22.93	<=33.01	Pass
			13	21.61	1.37	22.98	<=33.01	Pass
			24	21.63	1.37	23.00	<=33.01	Pass
		12	0	20.08	1.37	21.45	<=33.01	Pass
			6	20.37	1.37	21.74	<=33.01	Pass
			13	20.41	1.37	21.78	<=33.01	Pass
		25	0	20.37	1.37	21.74	<=33.01	Pass
	1912.5	1	0	20.39	1.37	21.76	<=33.01	Pass
			13	20.50	1.37	21.87	<=33.01	Pass
			24	20.46	1.37	21.83	<=33.01	Pass
		12	0	20.24	1.37	21.61	<=33.01	Pass
			6	19.90	1.37	21.27	<=33.01	Pass
			13	19.89	1.37	21.26	<=33.01	Pass
		25	0	19.95	1.37	21.32	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B25_10MHz_EIRP

Band: 25 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1855	1	0	21.86	1.37	23.23	<=33.01	Pass
			25	21.87	1.37	23.24	<=33.01	Pass
			49	21.98	1.37	23.35	<=33.01	Pass
		25	0	21.05	1.37	22.42	<=33.01	Pass
			13	20.99	1.37	22.36	<=33.01	Pass
			25	20.90	1.37	22.27	<=33.01	Pass
		50	0	21.01	1.37	22.38	<=33.01	Pass
	1882.5	1	0	21.86	1.37	23.23	<=33.01	Pass
			25	21.82	1.37	23.19	<=33.01	Pass
			49	21.79	1.37	23.16	<=33.01	Pass
		25	0	20.97	1.37	22.34	<=33.01	Pass
			13	20.94	1.37	22.31	<=33.01	Pass
			25	20.98	1.37	22.35	<=33.01	Pass
		50	0	20.94	1.37	22.31	<=33.01	Pass
	1910	1	0	21.93	1.37	23.30	<=33.01	Pass

		25	25	21.84	1.37	23.21	<=33.01	Pass		
			49	21.88	1.37	23.25	<=33.01	Pass		
			0	20.93	1.37	22.30	<=33.01	Pass		
			13	20.86	1.37	22.23	<=33.01	Pass		
			25	20.92	1.37	22.29	<=33.01	Pass		
		50	0	20.83	1.37	22.20	<=33.01	Pass		
		16QAM	1855	1	0	20.87	1.37	22.24	<=33.01	Pass
					25	20.98	1.37	22.35	<=33.01	Pass
					49	20.93	1.37	22.30	<=33.01	Pass
25	0			20.43	1.37	21.80	<=33.01	Pass		
	13			20.22	1.37	21.59	<=33.01	Pass		
	25			20.14	1.37	21.51	<=33.01	Pass		
50	0			20.08	1.37	21.45	<=33.01	Pass		
1882.5	1			0	21.57	1.37	22.94	<=33.01	Pass	
				25	21.57	1.37	22.94	<=33.01	Pass	
		49	21.53	1.37	22.90	<=33.01	Pass			
	25	0	20.04	1.37	21.41	<=33.01	Pass			
		13	20.36	1.37	21.73	<=33.01	Pass			
		25	20.05	1.37	21.42	<=33.01	Pass			
	50	0	20.37	1.37	21.74	<=33.01	Pass			
	1910	1	0	22.14	1.37	23.51	<=33.01	Pass		
			25	22.04	1.37	23.41	<=33.01	Pass		
49			22.09	1.37	23.46	<=33.01	Pass			
25		0	20.26	1.37	21.63	<=33.01	Pass			
		13	20.29	1.37	21.66	<=33.01	Pass			
		25	19.97	1.37	21.34	<=33.01	Pass			
50		0	20.27	1.37	21.64	<=33.01	Pass			

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B25_15MHz_EIRP

Band: 25 / Bandwidth: 15MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1857.5	1	0	21.75	1.37	23.12	<=33.01	Pass
			38	21.83	1.37	23.20	<=33.01	Pass
			74	21.84	1.37	23.21	<=33.01	Pass
		36	0	21.00	1.37	22.37	<=33.01	Pass
			18	20.97	1.37	22.34	<=33.01	Pass
			39	20.88	1.37	22.25	<=33.01	Pass
		75	0	20.97	1.37	22.34	<=33.01	Pass
	1882.5	1	0	21.76	1.37	23.13	<=33.01	Pass
			38	21.86	1.37	23.23	<=33.01	Pass
			74	21.89	1.37	23.26	<=33.01	Pass
		36	0	21.05	1.37	22.42	<=33.01	Pass
			18	20.96	1.37	22.33	<=33.01	Pass
			39	21.13	1.37	22.50	<=33.01	Pass
		75	0	20.98	1.37	22.35	<=33.01	Pass
	1907.5	1	0	21.74	1.37	23.11	<=33.01	Pass
			38	21.77	1.37	23.14	<=33.01	Pass
			74	21.77	1.37	23.14	<=33.01	Pass
		36	0	21.07	1.37	22.44	<=33.01	Pass
			18	20.92	1.37	22.29	<=33.01	Pass
			39	20.83	1.37	22.20	<=33.01	Pass
		75	0	20.92	1.37	22.29	<=33.01	Pass
16QAM	1857.5	1	0	22.11	1.37	23.48	<=33.01	Pass
			38	22.20	1.37	23.57	<=33.01	Pass
			74	22.19	1.37	23.56	<=33.01	Pass

	1882.5	36	0	20.03	1.37	21.40	<=33.01	Pass
			18	20.08	1.37	21.45	<=33.01	Pass
			39	20.04	1.37	21.41	<=33.01	Pass
		75	0	20.11	1.37	21.48	<=33.01	Pass
			0	21.80	1.37	23.17	<=33.01	Pass
			38	21.82	1.37	23.19	<=33.01	Pass
	1882.5	1	74	21.81	1.37	23.18	<=33.01	Pass
			0	20.03	1.37	21.40	<=33.01	Pass
			18	20.40	1.37	21.77	<=33.01	Pass
		36	39	20.01	1.37	21.38	<=33.01	Pass
			0	20.37	1.37	21.74	<=33.01	Pass
			75	20.28	1.37	21.65	<=33.01	Pass
	1907.5	1	0	21.54	1.37	22.91	<=33.01	Pass
			38	21.57	1.37	22.94	<=33.01	Pass
			74	21.55	1.37	22.92	<=33.01	Pass
		36	0	20.06	1.37	21.43	<=33.01	Pass
			18	20.37	1.37	21.74	<=33.01	Pass
			39	20.27	1.37	21.64	<=33.01	Pass
		75	0	20.28	1.37	21.65	<=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	21.91	1.37	23.28	<=33.01	Pass
			50	21.93	1.37	23.30	<=33.01	Pass
			99	21.89	1.37	23.26	<=33.01	Pass
		50	0	20.95	1.37	22.32	<=33.01	Pass
			25	20.88	1.37	22.25	<=33.01	Pass
			50	20.97	1.37	22.34	<=33.01	Pass
	1882.5	1	0	20.90	1.37	22.27	<=33.01	Pass
			50	21.95	1.37	23.32	<=33.01	Pass
			99	21.88	1.37	23.25	<=33.01	Pass
		50	0	22.00	1.37	23.37	<=33.01	Pass
			25	20.92	1.37	22.29	<=33.01	Pass
			50	20.99	1.37	22.36	<=33.01	Pass
	1905	1	0	21.08	1.37	22.45	<=33.01	Pass
			50	21.00	1.37	22.37	<=33.01	Pass
			99	21.99	1.37	23.36	<=33.01	Pass
		50	0	21.99	1.37	23.36	<=33.01	Pass
			25	21.93	1.37	23.30	<=33.01	Pass
			50	20.84	1.37	22.21	<=33.01	Pass
16QAM	1860	1	25	20.87	1.37	22.24	<=33.01	Pass
			50	20.87	1.37	22.24	<=33.01	Pass
			99	20.87	1.37	22.24	<=33.01	Pass
		50	0	20.96	1.37	22.33	<=33.01	Pass
			25	20.96	1.37	22.33	<=33.01	Pass
			50	20.96	1.37	22.33	<=33.01	Pass
	1882.5	1	0	22.13	1.37	23.50	<=33.01	Pass
			50	22.13	1.37	23.50	<=33.01	Pass
			99	22.15	1.37	23.52	<=33.01	Pass
		50	0	20.07	1.37	21.44	<=33.01	Pass
			25	20.26	1.37	21.63	<=33.01	Pass
			50	20.03	1.37	21.40	<=33.01	Pass
	1882.5	1	0	20.28	1.37	21.65	<=33.01	Pass
			50	21.40	1.37	22.77	<=33.01	Pass
			99	21.35	1.37	22.72	<=33.01	Pass
		50	0	21.29	1.37	22.66	<=33.01	Pass
			25	20.05	1.37	21.42	<=33.01	Pass
			50	20.43	1.37	21.80	<=33.01	Pass

		100	50	20.02	1.37	21.39	<=33.01	Pass
			0	20.38	1.37	21.75	<=33.01	Pass
	1905	1	0	21.33	1.37	22.70	<=33.01	Pass
			50	21.36	1.37	22.73	<=33.01	Pass
			99	21.29	1.37	22.66	<=33.01	Pass
		50	0	20.09	1.37	21.46	<=33.01	Pass
			25	20.05	1.37	21.42	<=33.01	Pass
			50	20.27	1.37	21.64	<=33.01	Pass
		100	0	20.05	1.37	21.42	<=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	21.558	0.0116	-2.5 to 2.5	Pass
					3.85	0.687	0.0004	-2.5 to 2.5	Pass
					4.43	-48.251	-0.0261	-2.5 to 2.5	Pass
				-30	3.85	-13.976	-0.0076	-2.5 to 2.5	Pass
				-20	3.85	2.589	0.0014	-2.5 to 2.5	Pass
				-10	3.85	-12.116	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-48.952	-0.0265	-2.5 to 2.5	Pass
				10	3.85	-31.099	-0.0168	-2.5 to 2.5	Pass
				30	3.85	-13.905	-0.0075	-2.5 to 2.5	Pass
				40	3.85	-41.413	-0.0224	-2.5 to 2.5	Pass
				50	3.85	-18.210	-0.0098	-2.5 to 2.5	Pass
	1882.5	6	0	20	3.27	18.082	0.0096	-2.5 to 2.5	Pass
					3.85	2.789	0.0015	-2.5 to 2.5	Pass
					4.43	-34.361	-0.0183	-2.5 to 2.5	Pass
				-30	3.85	-22.860	-0.0121	-2.5 to 2.5	Pass
				-20	3.85	-24.619	-0.0131	-2.5 to 2.5	Pass
				-10	3.85	-9.112	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-33.875	-0.0180	-2.5 to 2.5	Pass
				10	3.85	-12.860	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-38.552	-0.0205	-2.5 to 2.5	Pass
				40	3.85	-27.394	-0.0146	-2.5 to 2.5	Pass
				50	3.85	10.328	0.0055	-2.5 to 2.5	Pass
	1914.3	6	0	20	3.27	16.823	0.0088	-2.5 to 2.5	Pass
					3.85	-9.513	-0.0050	-2.5 to 2.5	Pass
					4.43	-42.028	-0.0220	-2.5 to 2.5	Pass
				-30	3.85	-32.802	-0.0171	-2.5 to 2.5	Pass
				-20	3.85	-44.546	-0.0233	-2.5 to 2.5	Pass
				-10	3.85	-10.715	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-40.412	-0.0211	-2.5 to 2.5	Pass
				10	3.85	-28.768	-0.0150	-2.5 to 2.5	Pass
				30	3.85	-6.552	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-32.659	-0.0171	-2.5 to 2.5	Pass
				50	3.85	-3.891	-0.0020	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.27	-45.562	-0.0246	-2.5 to 2.5	Pass
					3.85	-17.767	-0.0096	-2.5 to 2.5	Pass
					4.43	-32.701	-0.0177	-2.5 to 2.5	Pass
				-30	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass

				-20	3.85	-11.487	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-22.430	-0.0121	-2.5 to 2.5	Pass
				0	3.85	-23.346	-0.0126	-2.5 to 2.5	Pass
				10	3.85	-26.393	-0.0143	-2.5 to 2.5	Pass
				30	3.85	-34.347	-0.0186	-2.5 to 2.5	Pass
				40	3.85	-1.817	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-16.479	-0.0089	-2.5 to 2.5	Pass
	1882.5	6	0	20	3.27	-14.291	-0.0076	-2.5 to 2.5	Pass
					3.85	-23.575	-0.0125	-2.5 to 2.5	Pass
					4.43	-22.044	-0.0117	-2.5 to 2.5	Pass
				-30	3.85	-33.474	-0.0178	-2.5 to 2.5	Pass
				-20	3.85	-34.146	-0.0181	-2.5 to 2.5	Pass
				-10	3.85	-28.682	-0.0152	-2.5 to 2.5	Pass
				0	3.85	-23.389	-0.0124	-2.5 to 2.5	Pass
				10	3.85	-37.522	-0.0199	-2.5 to 2.5	Pass
				30	3.85	-44.460	-0.0236	-2.5 to 2.5	Pass
				40	3.85	-51.169	-0.0272	-2.5 to 2.5	Pass
				50	3.85	-1.888	-0.0010	-2.5 to 2.5	Pass
	1914.3	6	0	20	3.27	-15.078	-0.0079	-2.5 to 2.5	Pass
					3.85	-20.742	-0.0108	-2.5 to 2.5	Pass
					4.43	-18.353	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-24.862	-0.0130	-2.5 to 2.5	Pass
				-20	3.85	-31.371	-0.0164	-2.5 to 2.5	Pass
				-10	3.85	-27.924	-0.0146	-2.5 to 2.5	Pass
				0	3.85	-25.620	-0.0134	-2.5 to 2.5	Pass
				10	3.85	-31.543	-0.0165	-2.5 to 2.5	Pass
				30	3.85	-33.073	-0.0173	-2.5 to 2.5	Pass
				40	3.85	-5.293	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-11.015	-0.0058	-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	16.594	0.0090	-2.5 to 2.5	Pass
					3.85	-17.896	-0.0097	-2.5 to 2.5	Pass
					4.43	-42.000	-0.0227	-2.5 to 2.5	Pass
				-30	3.85	-45.862	-0.0248	-2.5 to 2.5	Pass
				-20	3.85	-9.785	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	3.905	0.0021	-2.5 to 2.5	Pass
				0	3.85	-39.082	-0.0211	-2.5 to 2.5	Pass
				10	3.85	-42.601	-0.0230	-2.5 to 2.5	Pass
				30	3.85	-22.960	-0.0124	-2.5 to 2.5	Pass
				40	3.85	-14.791	-0.0080	-2.5 to 2.5	Pass
				50	3.85	-47.522	-0.0257	-2.5 to 2.5	Pass
	1882.5	15	0	20	3.27	-3.405	-0.0018	-2.5 to 2.5	Pass
					3.85	-20.685	-0.0110	-2.5 to 2.5	Pass
					4.43	-27.695	-0.0147	-2.5 to 2.5	Pass
				-30	3.85	-19.784	-0.0105	-2.5 to 2.5	Pass
				-20	3.85	-49.939	-0.0265	-2.5 to 2.5	Pass
				-10	3.85	-32.687	-0.0174	-2.5 to 2.5	Pass
				0	3.85	-2.575	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-25.907	-0.0138	-2.5 to 2.5	Pass
				30	3.85	-25.620	-0.0136	-2.5 to 2.5	Pass
				40	3.85	-30.885	-0.0164	-2.5 to 2.5	Pass
				50	3.85	-44.618	-0.0237	-2.5 to 2.5	Pass
	1913.5	15	0	20	3.27	19.426	0.0102	-2.5 to 2.5	Pass

					3.85	5.364	0.0028	-2.5 to 2.5	Pass
					4.43	-18.168	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-47.722	-0.0249	-2.5 to 2.5	Pass
				-20	3.85	-21.358	-0.0112	-2.5 to 2.5	Pass
				-10	3.85	-13.747	-0.0072	-2.5 to 2.5	Pass
				0	3.85	-38.924	-0.0203	-2.5 to 2.5	Pass
				10	3.85	1.302	0.0007	-2.5 to 2.5	Pass
				30	3.85	-18.854	-0.0099	-2.5 to 2.5	Pass
				40	3.85	-34.089	-0.0178	-2.5 to 2.5	Pass
				50	3.85	-13.819	-0.0072	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	3.27	-19.412	-0.0105	-2.5 to 2.5	Pass
					3.85	-34.189	-0.0185	-2.5 to 2.5	Pass
					4.43	-44.718	-0.0242	-2.5 to 2.5	Pass
				-30	3.85	-51.885	-0.0280	-2.5 to 2.5	Pass
				-20	3.85	-55.246	-0.0298	-2.5 to 2.5	Pass
				-10	3.85	-6.380	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-19.441	-0.0105	-2.5 to 2.5	Pass
				10	3.85	-29.240	-0.0158	-2.5 to 2.5	Pass
				30	3.85	-33.274	-0.0180	-2.5 to 2.5	Pass
				40	3.85	-41.084	-0.0222	-2.5 to 2.5	Pass
				50	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
	1882.5	15	0	20	3.27	2.789	0.0015	-2.5 to 2.5	Pass
					3.85	-9.141	-0.0049	-2.5 to 2.5	Pass
					4.43	-17.838	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-28.825	-0.0153	-2.5 to 2.5	Pass
				-20	3.85	-34.547	-0.0184	-2.5 to 2.5	Pass
				-10	3.85	-39.697	-0.0211	-2.5 to 2.5	Pass
				0	3.85	-14.849	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-21.887	-0.0116	-2.5 to 2.5	Pass
				30	3.85	-28.467	-0.0151	-2.5 to 2.5	Pass
				40	3.85	-32.616	-0.0173	-2.5 to 2.5	Pass
				50	3.85	-35.863	-0.0191	-2.5 to 2.5	Pass
	1913.5	15	0	20	3.27	-25.249	-0.0132	-2.5 to 2.5	Pass
					3.85	-24.261	-0.0127	-2.5 to 2.5	Pass
					4.43	-29.011	-0.0152	-2.5 to 2.5	Pass
				-30	3.85	-27.509	-0.0144	-2.5 to 2.5	Pass
				-20	3.85	-28.911	-0.0151	-2.5 to 2.5	Pass
				-10	3.85	-25.377	-0.0133	-2.5 to 2.5	Pass
				0	3.85	-23.975	-0.0125	-2.5 to 2.5	Pass
				10	3.85	-30.227	-0.0158	-2.5 to 2.5	Pass
				30	3.85	-27.509	-0.0144	-2.5 to 2.5	Pass
				40	3.85	-30.642	-0.0160	-2.5 to 2.5	Pass
				50	3.85	-26.193	-0.0137	-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	2.503	0.0014	-2.5 to 2.5	Pass
					3.85	-41.471	-0.0224	-2.5 to 2.5	Pass
					4.43	-9.499	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-21.729	-0.0117	-2.5 to 2.5	Pass
				-20	3.85	-29.068	-0.0157	-2.5 to 2.5	Pass
				-10	3.85	-28.067	-0.0152	-2.5 to 2.5	Pass
				0	3.85	-29.783	-0.0161	-2.5 to 2.5	Pass
				10	3.85	-20.785	-0.0112	-2.5 to 2.5	Pass
				30	3.85	-11.659	-0.0063	-2.5 to 2.5	Pass

16QAM	1882.5	25	0	40	3.85	-40.555	-0.0219	-2.5 to 2.5	Pass
				50	3.85	-18.353	-0.0099	-2.5 to 2.5	Pass
				20	3.27	17.810	0.0095	-2.5 to 2.5	Pass
					3.85	9.398	0.0050	-2.5 to 2.5	Pass
					4.43	-18.168	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-34.733	-0.0185	-2.5 to 2.5	Pass
				-20	3.85	-5.493	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-27.623	-0.0147	-2.5 to 2.5	Pass
				0	3.85	-38.681	-0.0205	-2.5 to 2.5	Pass
				10	3.85	-14.076	-0.0075	-2.5 to 2.5	Pass
	1912.5	25	0	30	3.85	-30.785	-0.0164	-2.5 to 2.5	Pass
				40	3.85	-44.475	-0.0236	-2.5 to 2.5	Pass
				50	3.85	-10.042	-0.0053	-2.5 to 2.5	Pass
				20	3.27	31.428	0.0164	-2.5 to 2.5	Pass
					3.85	12.403	0.0065	-2.5 to 2.5	Pass
					4.43	-10.242	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-34.919	-0.0183	-2.5 to 2.5	Pass
				-20	3.85	-17.338	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-36.936	-0.0193	-2.5 to 2.5	Pass
				0	3.85	-14.949	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-7.296	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-21.358	-0.0112	-2.5 to 2.5	Pass
				40	3.85	-13.003	-0.0068	-2.5 to 2.5	Pass
				50	3.85	-17.953	-0.0094	-2.5 to 2.5	Pass
	1852.5	25	0	20	3.27	-40.083	-0.0216	-2.5 to 2.5	Pass
					3.85	-19.655	-0.0106	-2.5 to 2.5	Pass
					4.43	-27.437	-0.0148	-2.5 to 2.5	Pass
				-30	3.85	-36.178	-0.0195	-2.5 to 2.5	Pass
				-20	3.85	-41.742	-0.0225	-2.5 to 2.5	Pass
				-10	3.85	-49.067	-0.0265	-2.5 to 2.5	Pass
				0	3.85	-49.996	-0.0270	-2.5 to 2.5	Pass
				10	3.85	2.775	0.0015	-2.5 to 2.5	Pass
				30	3.85	1.616	0.0009	-2.5 to 2.5	Pass
				40	3.85	-5.980	-0.0032	-2.5 to 2.5	Pass
	1882.5	25	0	50	3.85	-13.275	-0.0072	-2.5 to 2.5	Pass
				20	3.27	-24.004	-0.0128	-2.5 to 2.5	Pass
					3.85	-30.370	-0.0161	-2.5 to 2.5	Pass
					4.43	-28.853	-0.0153	-2.5 to 2.5	Pass
				-30	3.85	-33.202	-0.0176	-2.5 to 2.5	Pass
				-20	3.85	-36.721	-0.0195	-2.5 to 2.5	Pass
				-10	3.85	-43.616	-0.0232	-2.5 to 2.5	Pass
				0	3.85	-10.486	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-13.976	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-17.009	-0.0090	-2.5 to 2.5	Pass
16QAM	1912.5	25	0	40	3.85	-21.300	-0.0113	-2.5 to 2.5	Pass
				50	3.85	-23.003	-0.0122	-2.5 to 2.5	Pass
				20	3.27	-30.971	-0.0162	-2.5 to 2.5	Pass
					3.85	-33.374	-0.0175	-2.5 to 2.5	Pass
					4.43	-30.885	-0.0161	-2.5 to 2.5	Pass
				-30	3.85	-28.467	-0.0149	-2.5 to 2.5	Pass
				-20	3.85	-27.165	-0.0142	-2.5 to 2.5	Pass
				-10	3.85	-29.426	-0.0154	-2.5 to 2.5	Pass
				0	3.85	-24.705	-0.0129	-2.5 to 2.5	Pass
				10	3.85	-20.814	-0.0109	-2.5 to 2.5	Pass
	1882.5	25	0	30	3.85	-22.817	-0.0119	-2.5 to 2.5	Pass
				40	3.85	-21.415	-0.0112	-2.5 to 2.5	Pass
				50	3.85	-23.446	-0.0123	-2.5 to 2.5	Pass

2.1.4 B25_10MHz

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Version: 1/00

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	4.249	0.0023	-2.5 to 2.5	Pass
					3.85	-7.753	-0.0042	-2.5 to 2.5	Pass
					4.43	-44.503	-0.0240	-2.5 to 2.5	Pass
				-30	3.85	-5.436	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-36.578	-0.0197	-2.5 to 2.5	Pass
				-10	3.85	-26.665	-0.0144	-2.5 to 2.5	Pass
				0	3.85	-28.982	-0.0156	-2.5 to 2.5	Pass
				10	3.85	-17.953	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-48.652	-0.0262	-2.5 to 2.5	Pass
				40	3.85	-24.633	-0.0133	-2.5 to 2.5	Pass
				50	3.85	-33.832	-0.0182	-2.5 to 2.5	Pass
	1882.5	50	0	20	3.27	23.060	0.0122	-2.5 to 2.5	Pass
					3.85	-6.180	-0.0033	-2.5 to 2.5	Pass
					4.43	-39.611	-0.0210	-2.5 to 2.5	Pass
				-30	3.85	-23.546	-0.0125	-2.5 to 2.5	Pass
				-20	3.85	-1.960	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-27.566	-0.0146	-2.5 to 2.5	Pass
				0	3.85	-48.137	-0.0256	-2.5 to 2.5	Pass
				10	3.85	-21.057	-0.0112	-2.5 to 2.5	Pass
				30	3.85	-31.829	-0.0169	-2.5 to 2.5	Pass
				40	3.85	8.826	0.0047	-2.5 to 2.5	Pass
				50	3.85	-4.306	-0.0023	-2.5 to 2.5	Pass
	1910	50	0	20	3.27	11.930	0.0062	-2.5 to 2.5	Pass
					3.85	-2.003	-0.0010	-2.5 to 2.5	Pass
					4.43	-18.911	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-17.996	-0.0094	-2.5 to 2.5	Pass
				-20	3.85	-17.824	-0.0093	-2.5 to 2.5	Pass
				-10	3.85	-27.637	-0.0145	-2.5 to 2.5	Pass
				0	3.85	-42.615	-0.0223	-2.5 to 2.5	Pass
				10	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-14.963	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-28.396	-0.0149	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	3.27	-9.985	-0.0054	-2.5 to 2.5	Pass
					3.85	-19.255	-0.0104	-2.5 to 2.5	Pass
					4.43	-21.114	-0.0114	-2.5 to 2.5	Pass
				-30	3.85	-26.178	-0.0141	-2.5 to 2.5	Pass
				-20	3.85	-23.875	-0.0129	-2.5 to 2.5	Pass
				-10	3.85	-25.935	-0.0140	-2.5 to 2.5	Pass
				0	3.85	-29.140	-0.0157	-2.5 to 2.5	Pass
				10	3.85	-31.056	-0.0167	-2.5 to 2.5	Pass
				30	3.85	-31.185	-0.0168	-2.5 to 2.5	Pass
				40	3.85	-26.007	-0.0140	-2.5 to 2.5	Pass
	1882.5	50	0	20	3.27	-15.750	-0.0084	-2.5 to 2.5	Pass
					3.85	-20.471	-0.0109	-2.5 to 2.5	Pass
					4.43	-20.256	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-18.826	-0.0100	-2.5 to 2.5	Pass
				-20	3.85	-21.143	-0.0112	-2.5 to 2.5	Pass
				-10	3.85	-25.692	-0.0136	-2.5 to 2.5	Pass
				0	3.85	-29.254	-0.0155	-2.5 to 2.5	Pass
				10	3.85	-32.444	-0.0172	-2.5 to 2.5	Pass
				30	3.85	-29.354	-0.0156	-2.5 to 2.5	Pass
				40	3.85	-26.808	-0.0142	-2.5 to 2.5	Pass
	1910	50	0	20	3.27	-48.537	-0.0254	-2.5 to 2.5	Pass
					3.85	-51.785	-0.0271	-2.5 to 2.5	Pass

				4.43	-49.467	-0.0259	-2.5 to 2.5	Pass
			-30	3.85	-47.593	-0.0249	-2.5 to 2.5	Pass
			-20	3.85	-50.697	-0.0265	-2.5 to 2.5	Pass
			-10	3.85	-46.921	-0.0246	-2.5 to 2.5	Pass
			0	3.85	-49.367	-0.0258	-2.5 to 2.5	Pass
			10	3.85	-46.649	-0.0244	-2.5 to 2.5	Pass
			30	3.85	-49.267	-0.0258	-2.5 to 2.5	Pass
			40	3.85	-50.497	-0.0264	-2.5 to 2.5	Pass
			50	3.85	-47.650	-0.0249	-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	0.830	0.0004	-2.5 to 2.5	Pass
					3.85	-35.276	-0.0190	-2.5 to 2.5	Pass
					4.43	-13.390	-0.0072	-2.5 to 2.5	Pass
				-30	3.85	-33.031	-0.0178	-2.5 to 2.5	Pass
				-20	3.85	-36.821	-0.0198	-2.5 to 2.5	Pass
				-10	3.85	-31.986	-0.0172	-2.5 to 2.5	Pass
				0	3.85	-23.575	-0.0127	-2.5 to 2.5	Pass
				10	3.85	-3.462	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-27.509	-0.0148	-2.5 to 2.5	Pass
				40	3.85	-26.779	-0.0144	-2.5 to 2.5	Pass
				50	3.85	-29.383	-0.0158	-2.5 to 2.5	Pass
	1882.5	75	0	20	3.27	-9.971	-0.0053	-2.5 to 2.5	Pass
					3.85	-24.261	-0.0129	-2.5 to 2.5	Pass
					4.43	-30.870	-0.0164	-2.5 to 2.5	Pass
				-30	3.85	-37.022	-0.0197	-2.5 to 2.5	Pass
				-20	3.85	-34.118	-0.0181	-2.5 to 2.5	Pass
				-10	3.85	-17.495	-0.0093	-2.5 to 2.5	Pass
				0	3.85	-32.816	-0.0174	-2.5 to 2.5	Pass
				10	3.85	-36.635	-0.0195	-2.5 to 2.5	Pass
				30	3.85	-0.844	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-32.344	-0.0172	-2.5 to 2.5	Pass
				50	3.85	-9.542	-0.0051	-2.5 to 2.5	Pass
	1907.5	75	0	20	3.27	19.941	0.0105	-2.5 to 2.5	Pass
					3.85	-1.159	-0.0006	-2.5 to 2.5	Pass
					4.43	-25.935	-0.0136	-2.5 to 2.5	Pass
				-30	3.85	-31.915	-0.0167	-2.5 to 2.5	Pass
				-20	3.85	-17.424	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-28.181	-0.0148	-2.5 to 2.5	Pass
				0	3.85	-9.499	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-26.822	-0.0141	-2.5 to 2.5	Pass
				30	3.85	-37.065	-0.0194	-2.5 to 2.5	Pass
				40	3.85	-9.556	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-12.059	-0.0063	-2.5 to 2.5	Pass
16QAM	1857.5	75	0	20	3.27	-17.395	-0.0094	-2.5 to 2.5	Pass
					3.85	-30.427	-0.0164	-2.5 to 2.5	Pass
					4.43	-21.501	-0.0116	-2.5 to 2.5	Pass
				-30	3.85	-18.625	-0.0100	-2.5 to 2.5	Pass
				-20	3.85	-11.601	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-23.704	-0.0128	-2.5 to 2.5	Pass
				0	3.85	-33.216	-0.0179	-2.5 to 2.5	Pass
				10	3.85	-33.631	-0.0181	-2.5 to 2.5	Pass
				30	3.85	-30.441	-0.0164	-2.5 to 2.5	Pass
				40	3.85	-16.737	-0.0090	-2.5 to 2.5	Pass

	1882.5	75	0	50	3.85	-28.381	-0.0153	-2.5 to 2.5	Pass
				20	3.27	-30.041	-0.0160	-2.5 to 2.5	Pass
					3.85	-33.646	-0.0179	-2.5 to 2.5	Pass
					4.43	-35.291	-0.0187	-2.5 to 2.5	Pass
				-30	3.85	-39.139	-0.0208	-2.5 to 2.5	Pass
				-20	3.85	-47.736	-0.0254	-2.5 to 2.5	Pass
				-10	3.85	7.467	0.0040	-2.5 to 2.5	Pass
				0	3.85	-4.206	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-19.269	-0.0102	-2.5 to 2.5	Pass
				30	3.85	-29.812	-0.0158	-2.5 to 2.5	Pass
	1907.5	75	0	40	3.85	-37.236	-0.0198	-2.5 to 2.5	Pass
				50	3.85	-43.888	-0.0233	-2.5 to 2.5	Pass
				20	3.27	-16.751	-0.0088	-2.5 to 2.5	Pass
					3.85	-17.953	-0.0094	-2.5 to 2.5	Pass
					4.43	-16.708	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-15.936	-0.0084	-2.5 to 2.5	Pass
				-20	3.85	-16.708	-0.0088	-2.5 to 2.5	Pass
				-10	3.85	-17.166	-0.0090	-2.5 to 2.5	Pass
				0	3.85	-16.594	-0.0087	-2.5 to 2.5	Pass
				10	3.85	-18.382	-0.0096	-2.5 to 2.5	Pass
				30	3.85	-18.711	-0.0098	-2.5 to 2.5	Pass
				40	3.85	-14.048	-0.0074	-2.5 to 2.5	Pass
				50	3.85	-18.725	-0.0098	-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	-19.741	-0.0106	-2.5 to 2.5	Pass
					3.85	-24.633	-0.0132	-2.5 to 2.5	Pass
					4.43	-17.638	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-33.960	-0.0183	-2.5 to 2.5	Pass
				-20	3.85	-21.858	-0.0118	-2.5 to 2.5	Pass
				-10	3.85	-16.909	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-44.975	-0.0242	-2.5 to 2.5	Pass
				10	3.85	-3.290	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-35.706	-0.0192	-2.5 to 2.5	Pass
				40	3.85	-14.277	-0.0077	-2.5 to 2.5	Pass
	1882.5	100	0	50	3.85	-29.039	-0.0156	-2.5 to 2.5	Pass
				20	3.27	20.142	0.0107	-2.5 to 2.5	Pass
					3.85	-10.843	-0.0058	-2.5 to 2.5	Pass
					4.43	-35.892	-0.0191	-2.5 to 2.5	Pass
				-30	3.85	-31.972	-0.0170	-2.5 to 2.5	Pass
				-20	3.85	-18.096	-0.0096	-2.5 to 2.5	Pass
				-10	3.85	-42.944	-0.0228	-2.5 to 2.5	Pass
				0	3.85	-16.580	-0.0088	-2.5 to 2.5	Pass
				10	3.85	-29.068	-0.0154	-2.5 to 2.5	Pass
				30	3.85	-31.929	-0.0170	-2.5 to 2.5	Pass
	1905	100	0	40	3.85	10.414	0.0055	-2.5 to 2.5	Pass
				50	3.85	-7.639	-0.0041	-2.5 to 2.5	Pass
				20	3.27	17.223	0.0090	-2.5 to 2.5	Pass
					3.85	3.390	0.0018	-2.5 to 2.5	Pass
					4.43	-9.098	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-22.888	-0.0120	-2.5 to 2.5	Pass
				-20	3.85	-34.890	-0.0183	-2.5 to 2.5	Pass
				-10	3.85	-40.913	-0.0215	-2.5 to 2.5	Pass
				0	3.85	-46.577	-0.0244	-2.5 to 2.5	Pass

16QAM				10	3.85	-3.147	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-8.526	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-3.576	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-5.665	-0.0030	-2.5 to 2.5	Pass
	1860	100	0	20	3.27	-46.721	-0.0251	-2.5 to 2.5	Pass
					3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.343	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-1.144	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-4.120	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-9.942	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-11.315	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-7.367	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass
				40	3.85	2.890	0.0016	-2.5 to 2.5	Pass
				50	3.85	-4.864	-0.0026	-2.5 to 2.5	Pass
	1882.5	100	0	20	3.27	-12.002	-0.0064	-2.5 to 2.5	Pass
					3.85	-9.542	-0.0051	-2.5 to 2.5	Pass
					4.43	-9.756	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-14.720	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-19.898	-0.0106	-2.5 to 2.5	Pass
				-10	3.85	-21.272	-0.0113	-2.5 to 2.5	Pass
				0	3.85	-17.824	-0.0095	-2.5 to 2.5	Pass
				10	3.85	-19.312	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-18.210	-0.0097	-2.5 to 2.5	Pass
				40	3.85	-19.984	-0.0106	-2.5 to 2.5	Pass
				50	3.85	-22.173	-0.0118	-2.5 to 2.5	Pass
	1905	100	0	20	3.27	-7.138	-0.0037	-2.5 to 2.5	Pass
					3.85	2.575	0.0014	-2.5 to 2.5	Pass
					4.43	6.251	0.0033	-2.5 to 2.5	Pass
				-30	3.85	11.902	0.0062	-2.5 to 2.5	Pass
				-20	3.85	25.735	0.0135	-2.5 to 2.5	Pass
				-10	3.85	30.599	0.0161	-2.5 to 2.5	Pass
				0	3.85	31.357	0.0165	-2.5 to 2.5	Pass
				10	3.85	33.689	0.0177	-2.5 to 2.5	Pass
				30	3.85	39.840	0.0209	-2.5 to 2.5	Pass
				40	3.85	20.428	0.0107	-2.5 to 2.5	Pass
				50	3.85	-3.419	-0.0018	-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 / NTNV						
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
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3.1.3 B25_5MHz

Band: 25 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		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	Pass
16QAM	1882.5	50	0	Refer To Test Graph	Pass

3.1.5 B25_15MHz

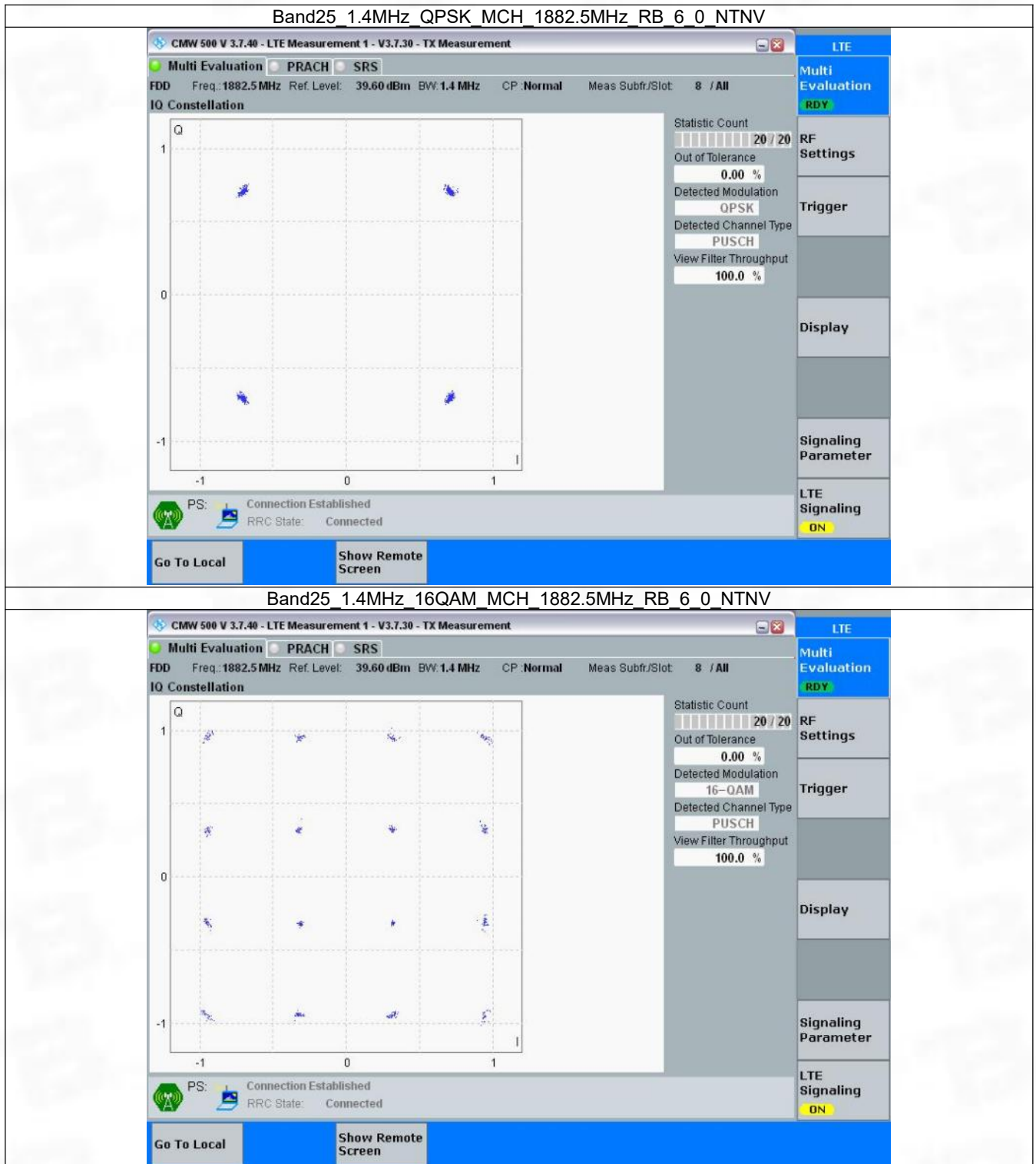
Band: 25 / Bandwidth: 15MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1882.5	75	0	Refer To Test Graph	Pass
16QAM	1882.5	75	0	Refer To Test Graph	Pass

3.1.6 B25_20MHz

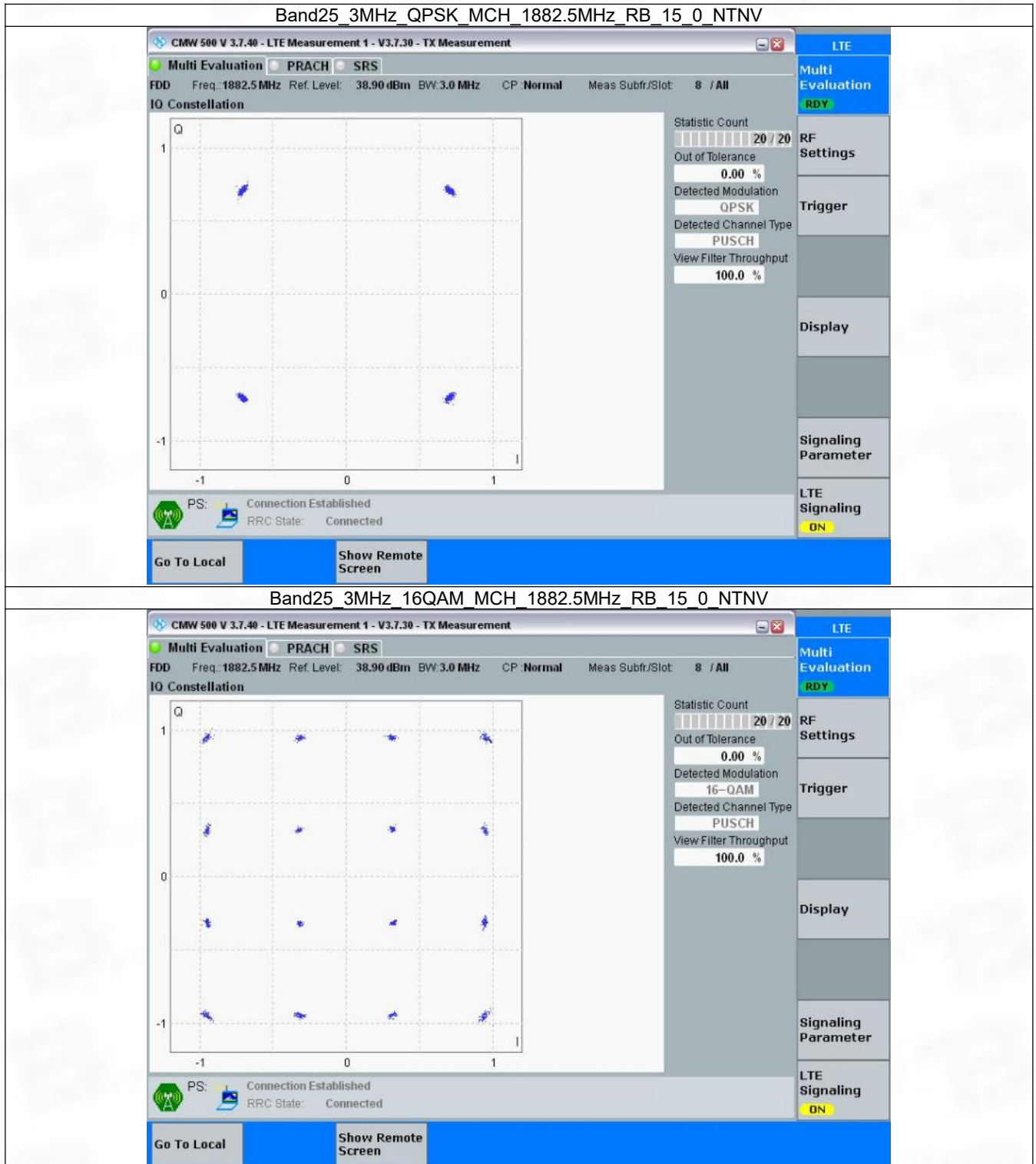
Band: 25 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1882.5	100	0	Refer To Test Graph	Pass
16QAM	1882.5	100	0	Refer To Test Graph	Pass

3.2 Test Graph

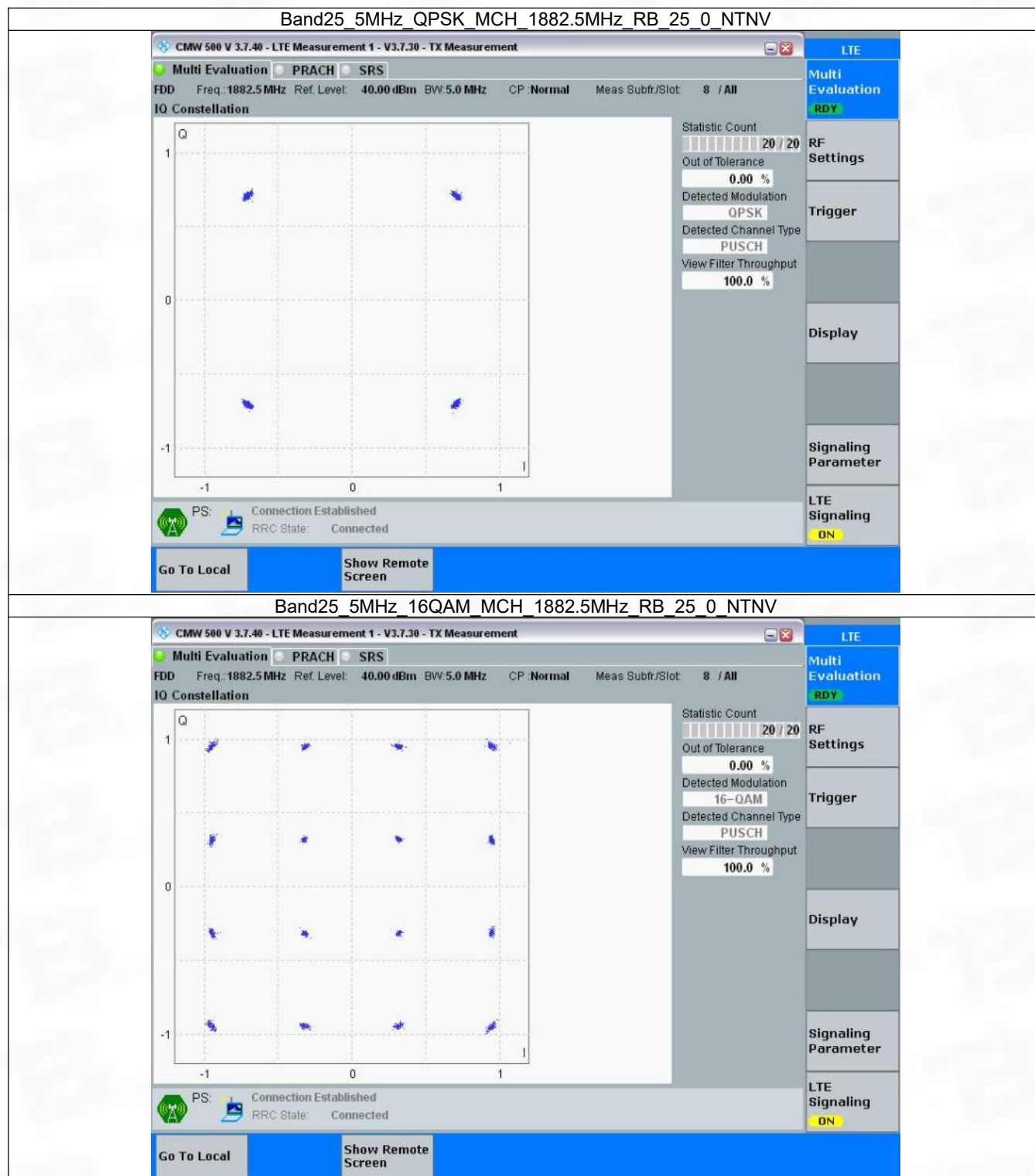
3.2.1 B25_1.4MHz



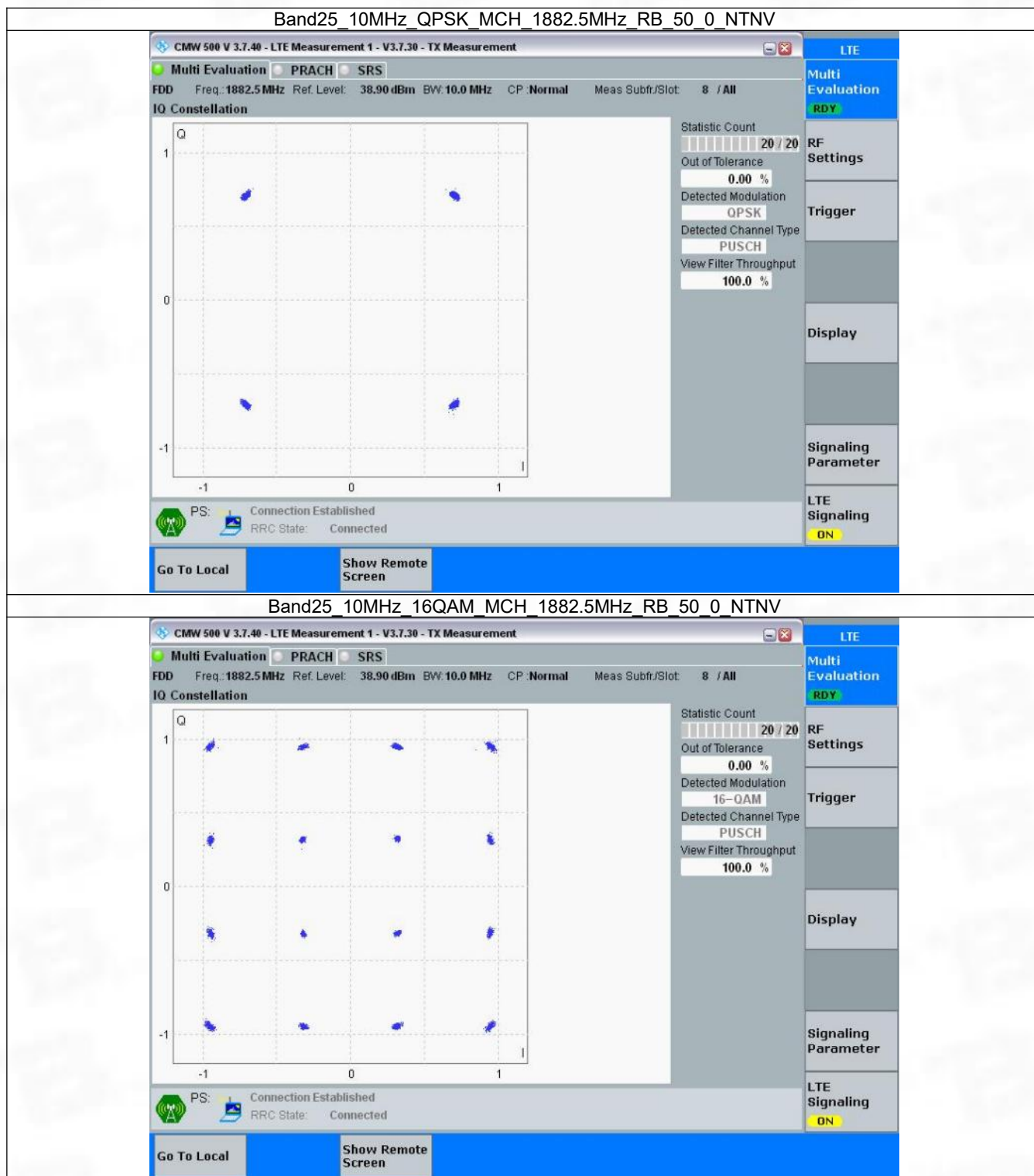
3.2.2 B25_3MHz



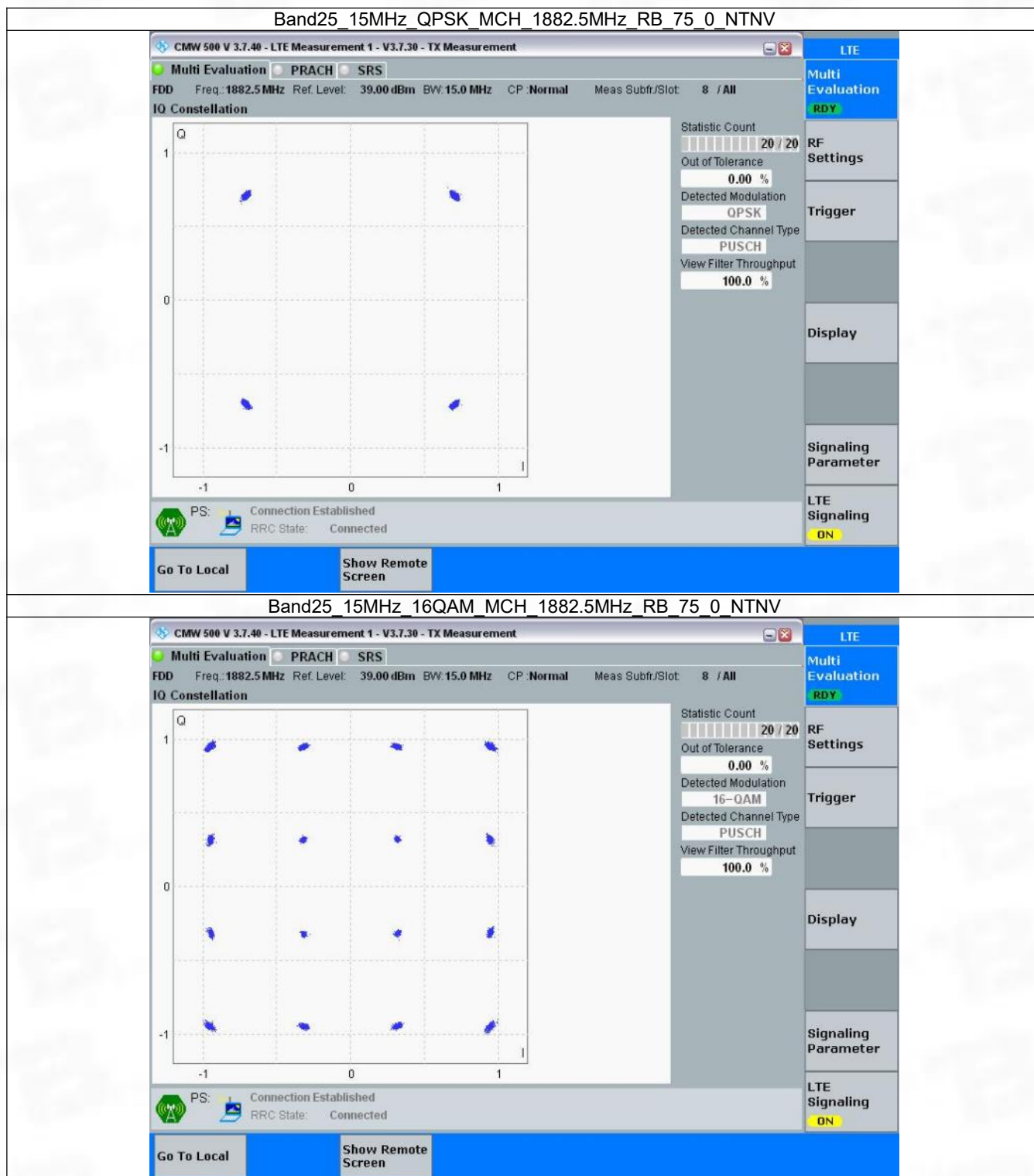
3.2.3 B25_5MHz



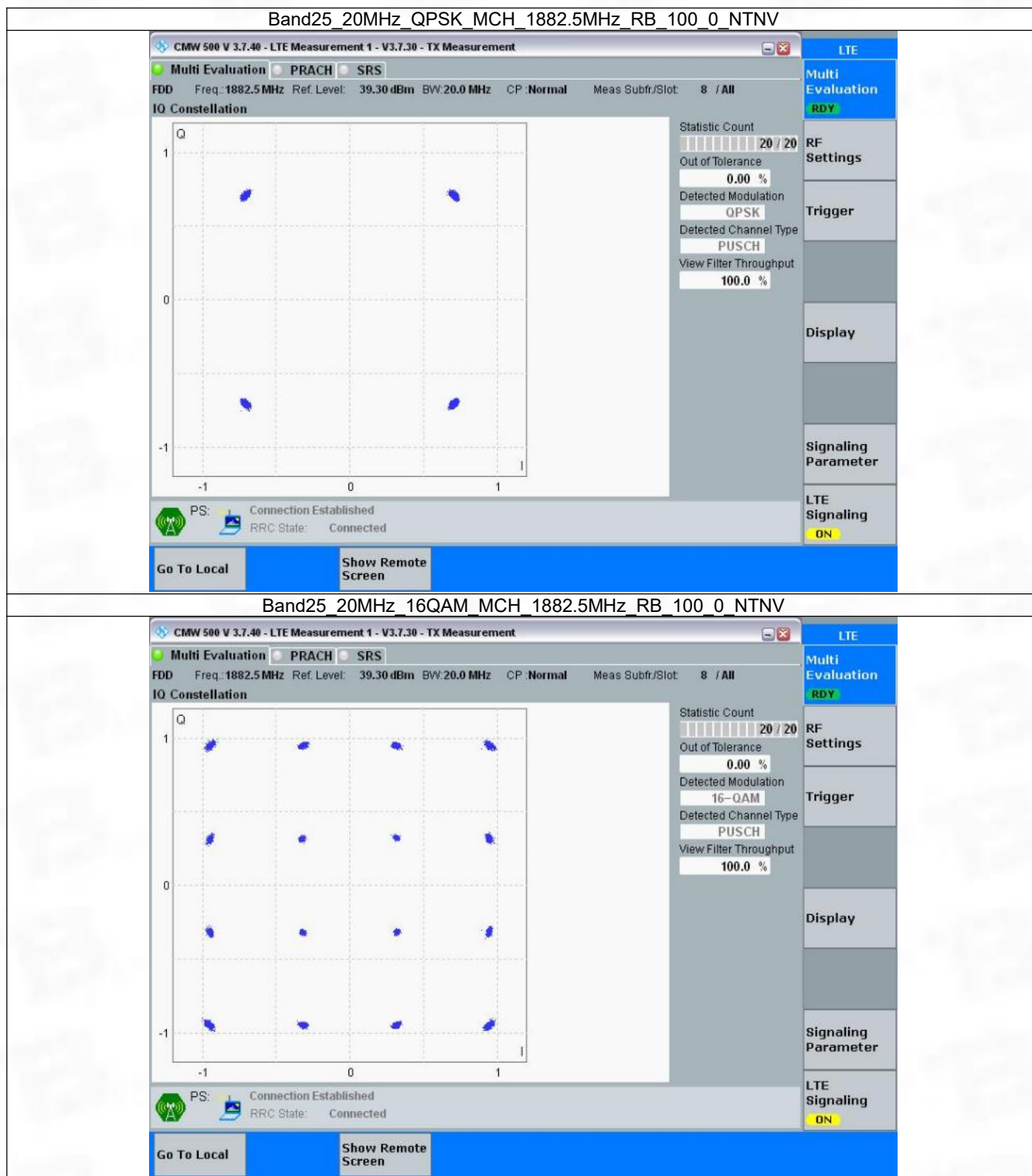
3.2.4 B25_10MHz



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	1.112	/	Pass
		1882.5	6	0	1.116	/	Pass
		1914.3	6	0	1.120	/	Pass
	16QAM	1850.7	6	0	1.113	/	Pass
		1882.5	6	0	1.106	/	Pass
		1914.3	6	0	1.119	/	Pass
3	QPSK	1851.5	15	0	2.755	/	Pass
		1882.5	15	0	2.757	/	Pass
		1913.5	15	0	2.748	/	Pass
	16QAM	1851.5	15	0	2.751	/	Pass
		1882.5	15	0	2.746	/	Pass
		1913.5	15	0	2.751	/	Pass
5	QPSK	1852.5	25	0	4.546	/	Pass
		1882.5	25	0	4.540	/	Pass
		1912.5	25	0	4.558	/	Pass
	16QAM	1852.5	25	0	4.556	/	Pass
		1882.5	25	0	4.554	/	Pass
		1912.5	25	0	4.531	/	Pass
10	QPSK	1855	50	0	9.061	/	Pass
		1882.5	50	0	9.054	/	Pass
		1910	50	0	8.970	/	Pass
	16QAM	1855	50	0	9.069	/	Pass
		1882.5	50	0	9.055	/	Pass
		1910	50	0	9.047	/	Pass
15	QPSK	1857.5	75	0	13.594	/	Pass
		1882.5	75	0	13.594	/	Pass
		1907.5	75	0	13.586	/	Pass
	16QAM	1857.5	75	0	13.579	/	Pass
		1882.5	75	0	13.615	/	Pass
		1907.5	75	0	13.575	/	Pass
20	QPSK	1860	100	0	18.187	/	Pass
		1882.5	100	0	18.183	/	Pass
		1905	100	0	18.111	/	Pass
	16QAM	1860	100	0	18.154	/	Pass
		1882.5	100	0	18.184	/	Pass
		1905	100	0	18.180	/	Pass

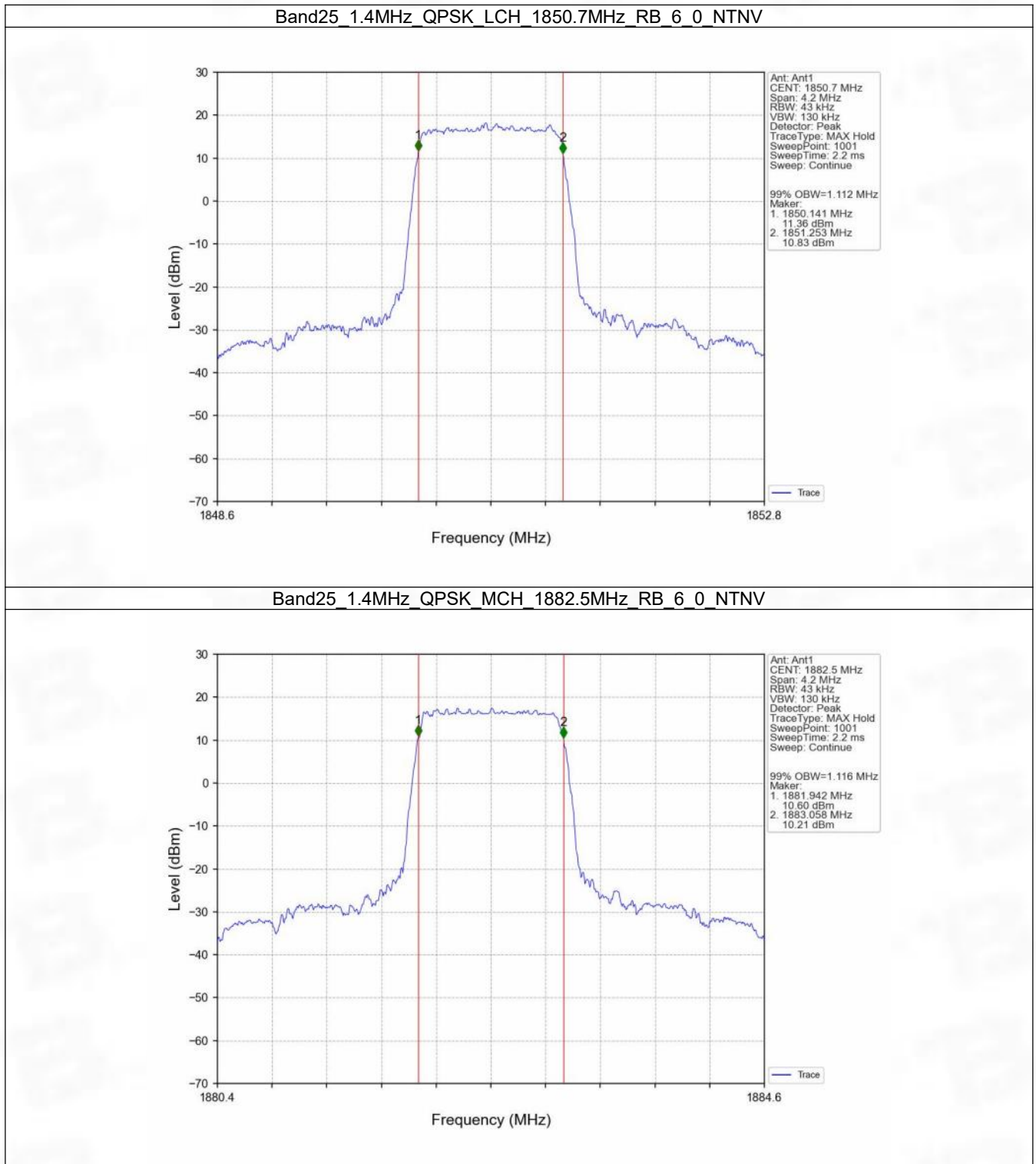
4.1.2 Band25_XDB

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	1.276	/	Pass
		1882.5	6	0	1.278	/	Pass
		1914.3	6	0	1.265	/	Pass
	16QAM	1850.7	6	0	1.279	/	Pass
		1850.7	6	0	1.279	/	Pass

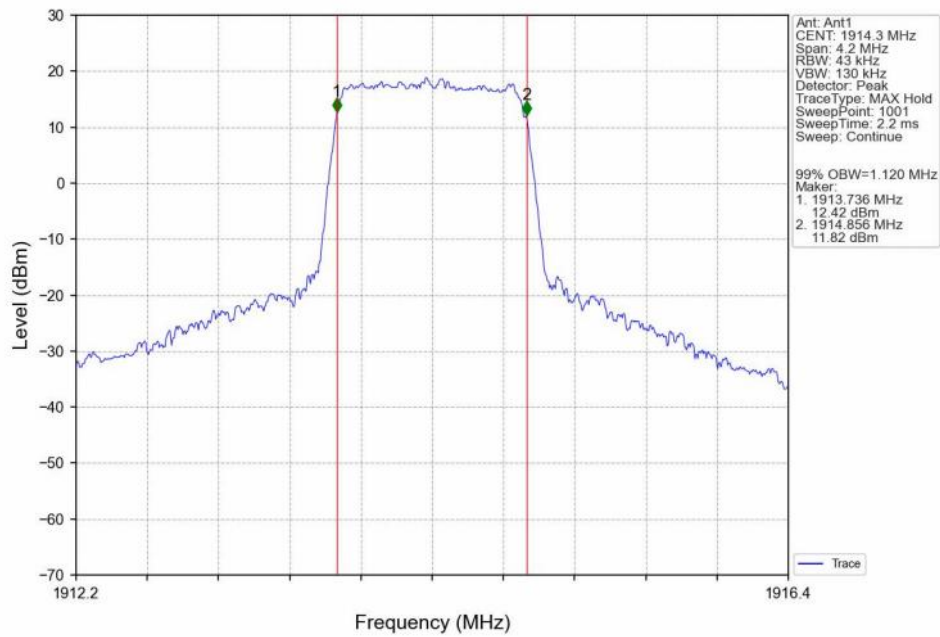
		1882.5	6	0	1.264	/	Pass
		1914.3	6	0	1.277	/	Pass
3	QPSK	1851.5	15	0	3.085	/	Pass
		1882.5	15	0	3.092	/	Pass
		1913.5	15	0	3.097	/	Pass
	16QAM	1851.5	15	0	3.125	/	Pass
		1882.5	15	0	3.103	/	Pass
		1913.5	15	0	3.101	/	Pass
5	QPSK	1852.5	25	0	5.047	/	Pass
		1882.5	25	0	5.034	/	Pass
		1912.5	25	0	5.034	/	Pass
	16QAM	1852.5	25	0	5.074	/	Pass
		1882.5	25	0	5.072	/	Pass
		1912.5	25	0	5.072	/	Pass
10	QPSK	1855	50	0	10.028	/	Pass
		1882.5	50	0	10.049	/	Pass
		1910	50	0	9.757	/	Pass
	16QAM	1855	50	0	10.109	/	Pass
		1882.5	50	0	9.996	/	Pass
		1910	50	0	10.065	/	Pass
15	QPSK	1857.5	75	0	15.137	/	Pass
		1882.5	75	0	15.112	/	Pass
		1907.5	75	0	15.153	/	Pass
	16QAM	1857.5	75	0	15.219	/	Pass
		1882.5	75	0	15.178	/	Pass
		1907.5	75	0	15.065	/	Pass
20	QPSK	1860	100	0	20.167	/	Pass
		1882.5	100	0	20.012	/	Pass
		1905	100	0	19.967	/	Pass
	16QAM	1860	100	0	19.943	/	Pass
		1882.5	100	0	19.929	/	Pass
		1905	100	0	20.043	/	Pass

4.2 Test Graph

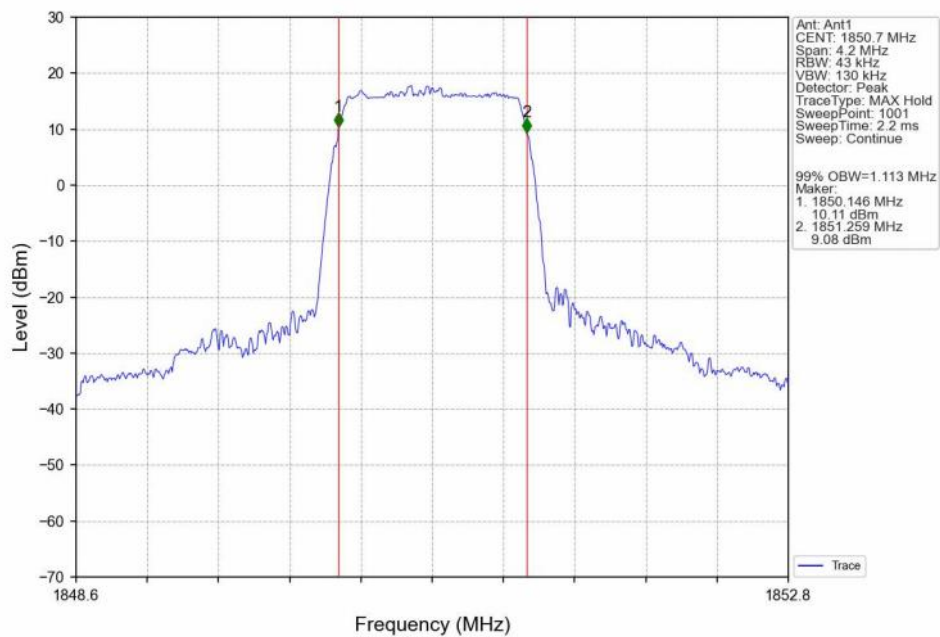
4.2.1 Band25_OBW



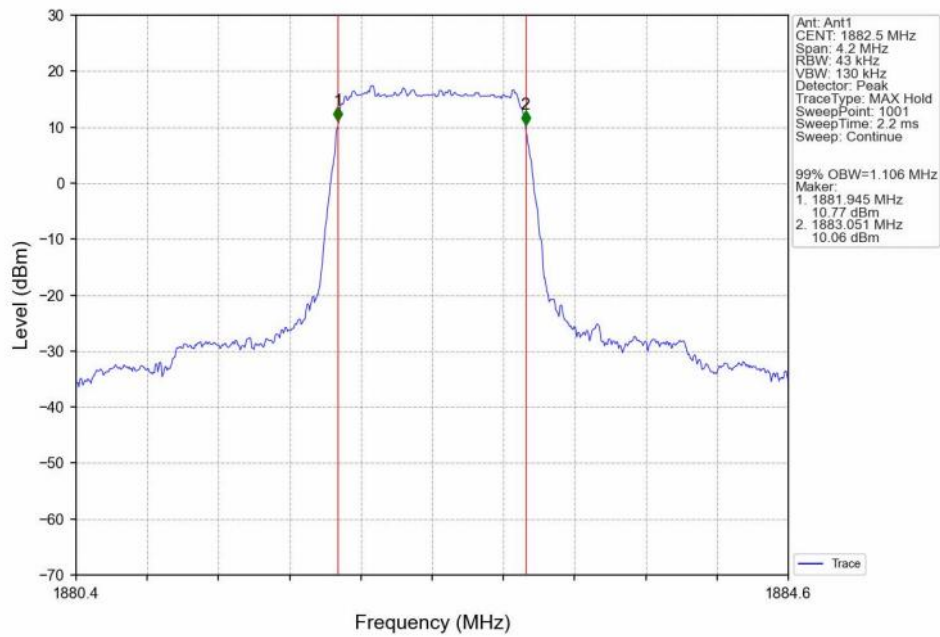
Band25_1.4MHz_QPSK_HCH_1914.3MHz_RB_6_0_NTNV



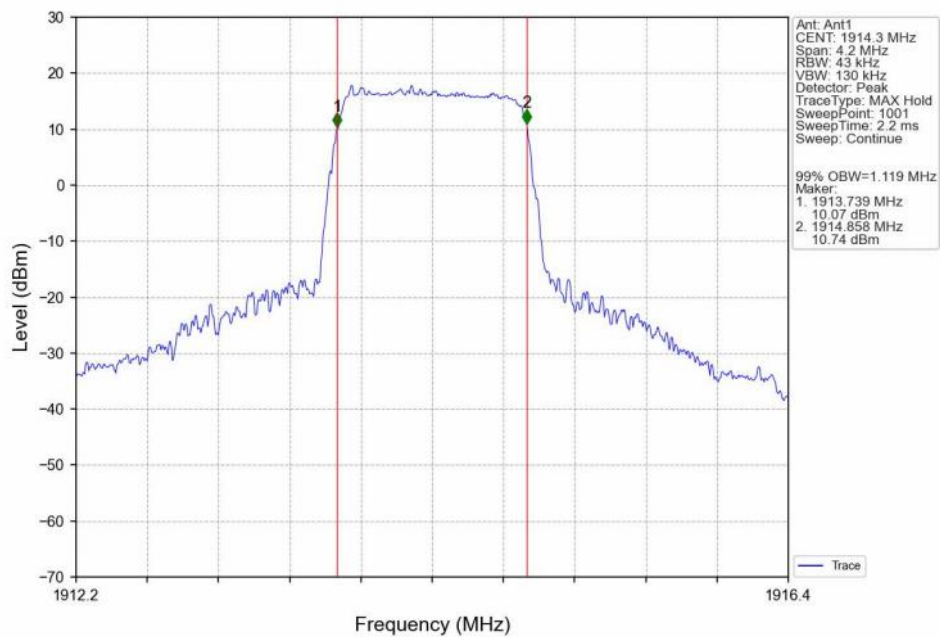
Band25_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



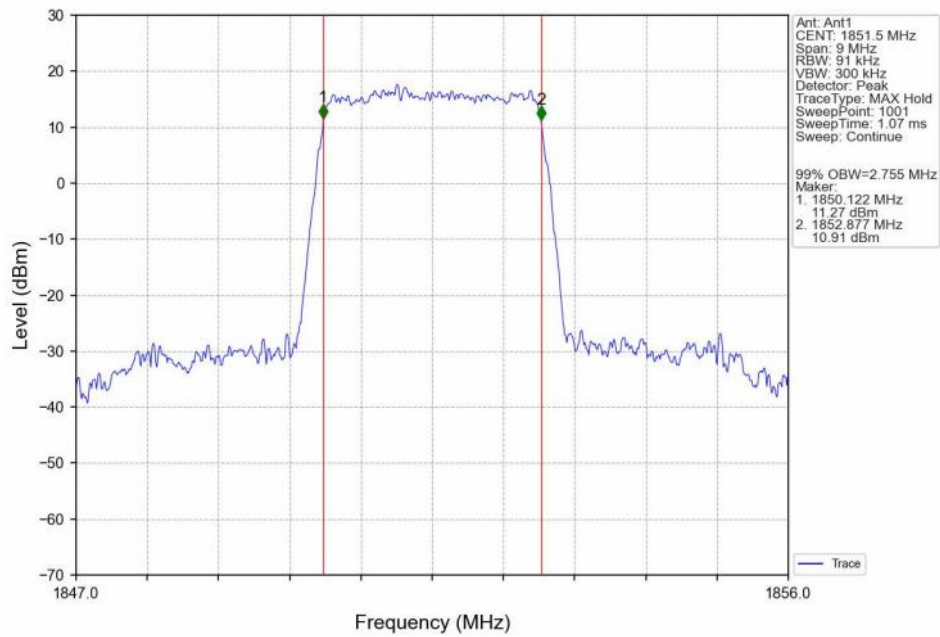
Band25_1.4MHz_16QAM_MCH_1882.5MHz_RB_6_0_NTNV



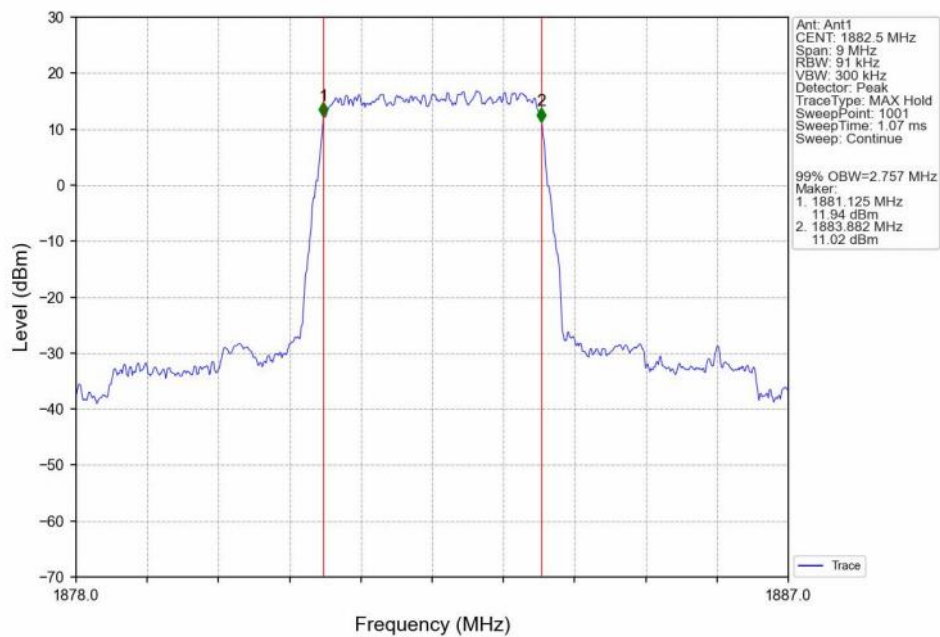
Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_6_0_NTNV



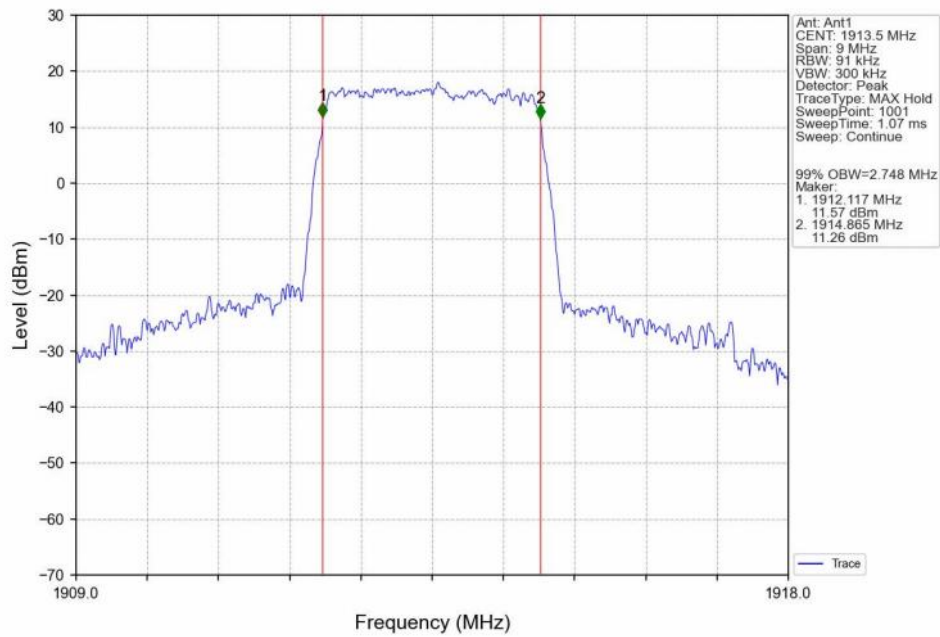
Band25_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



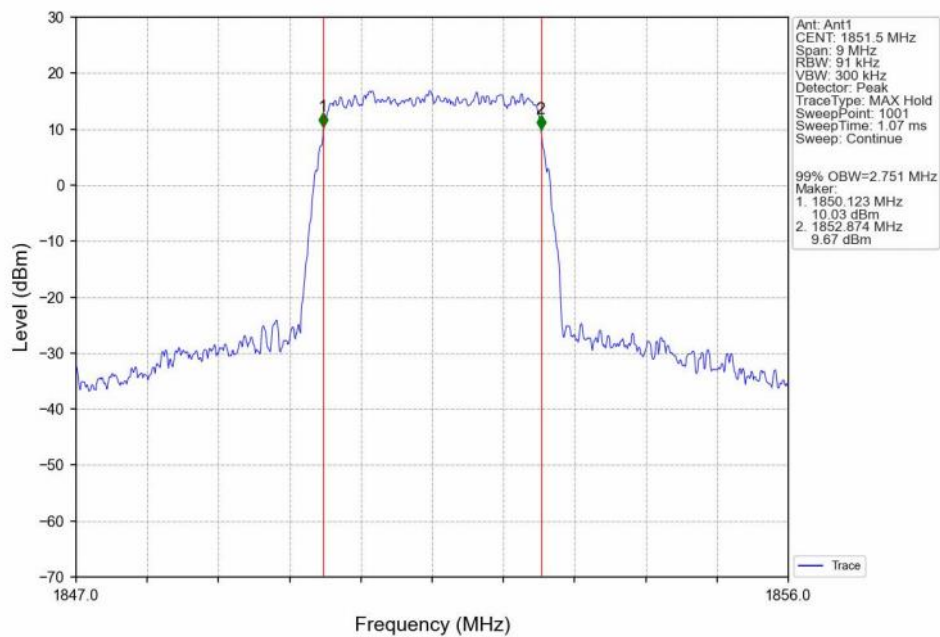
Band25_3MHz_QPSK_MCH_1882.5MHz_RB_15_0_NTNV



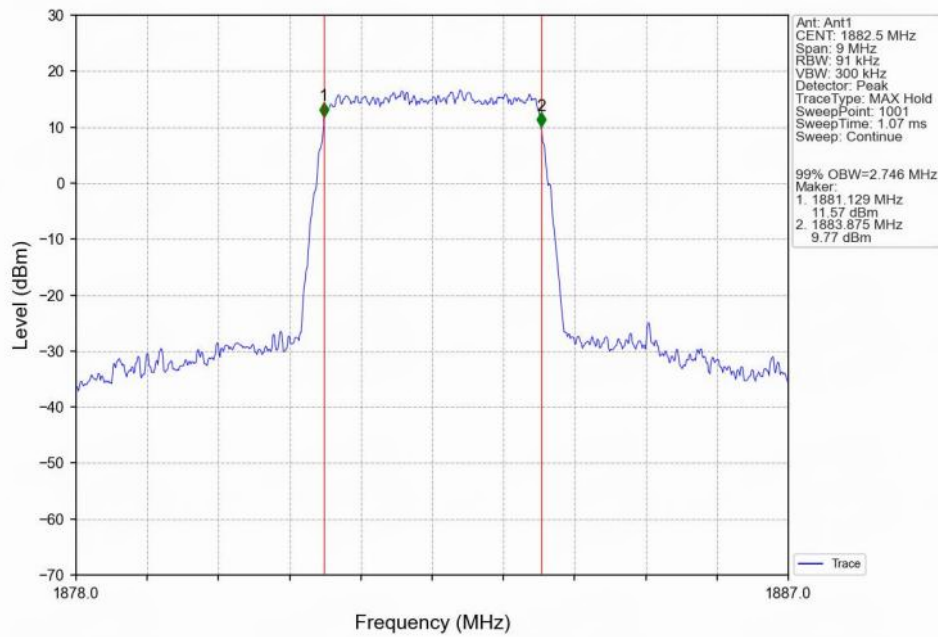
Band25_3MHz_QPSK_HCH_1913.5MHz_RB_15_0_NTNV



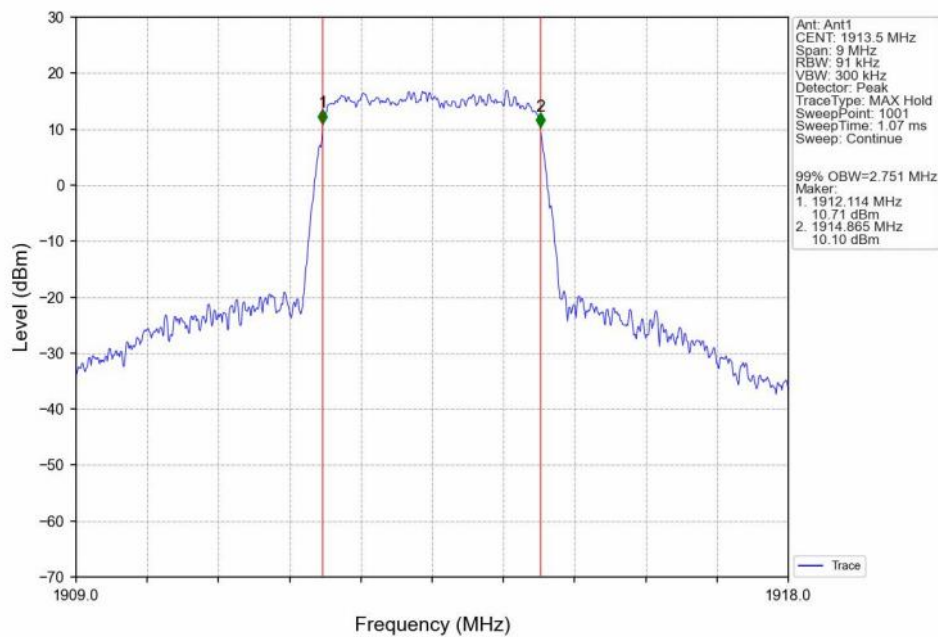
Band25_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



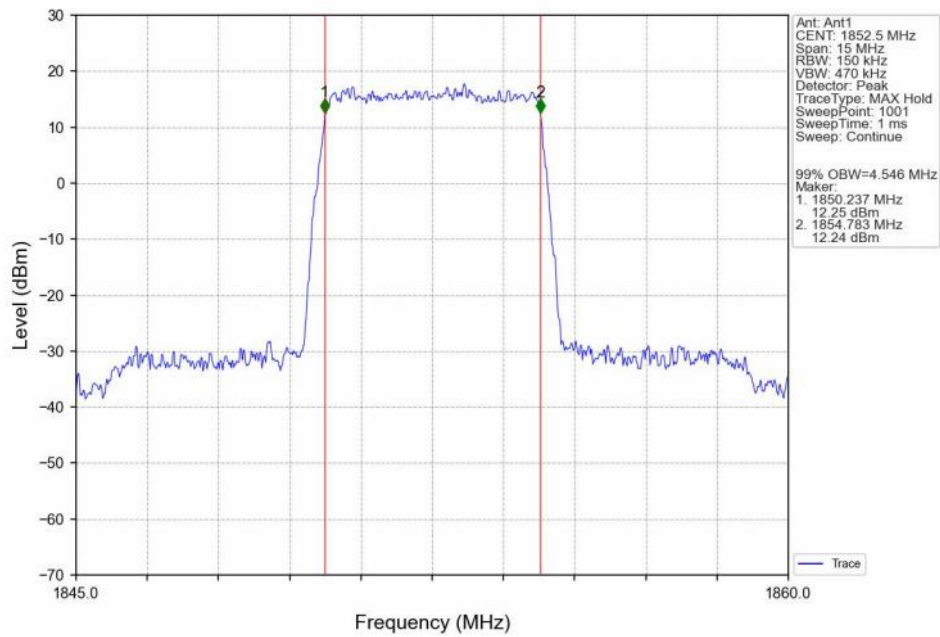
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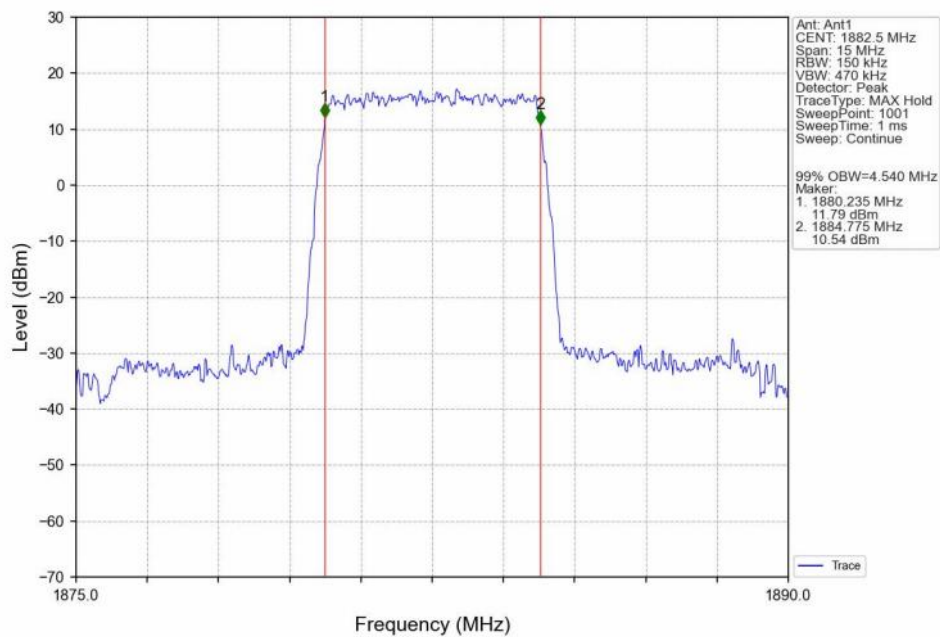
Band25_3MHz_16QAM_HCH_1913.5MHz_RB_15_0_NTNV



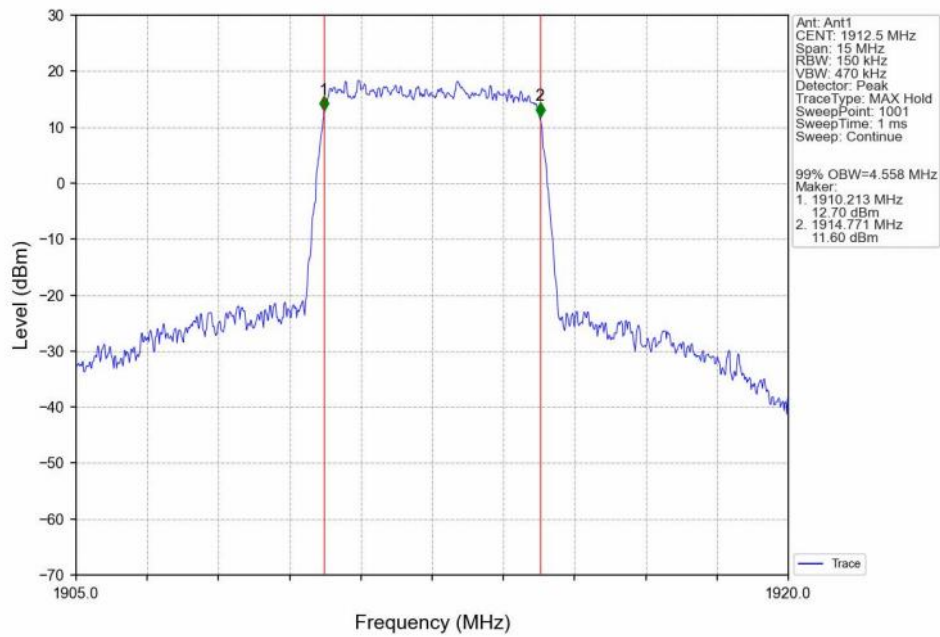
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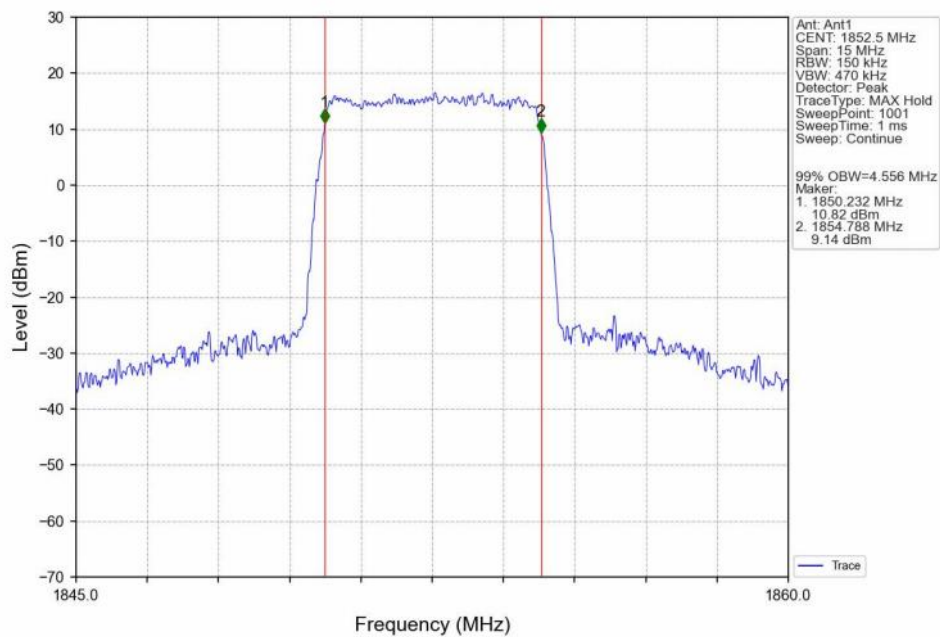
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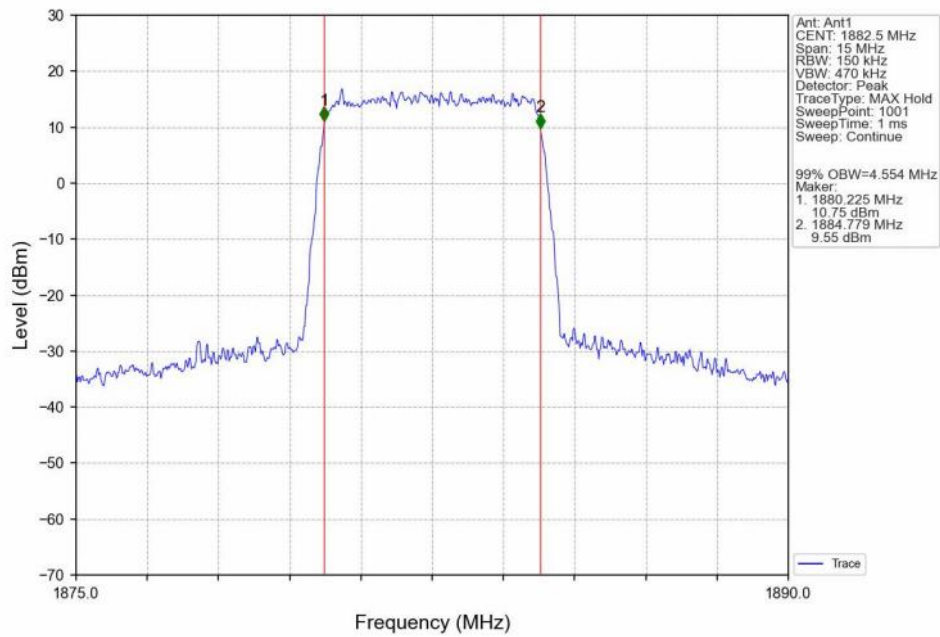
Band25_5MHz_QPSK_HCH_1912.5MHz_RB_25_0_NTNV



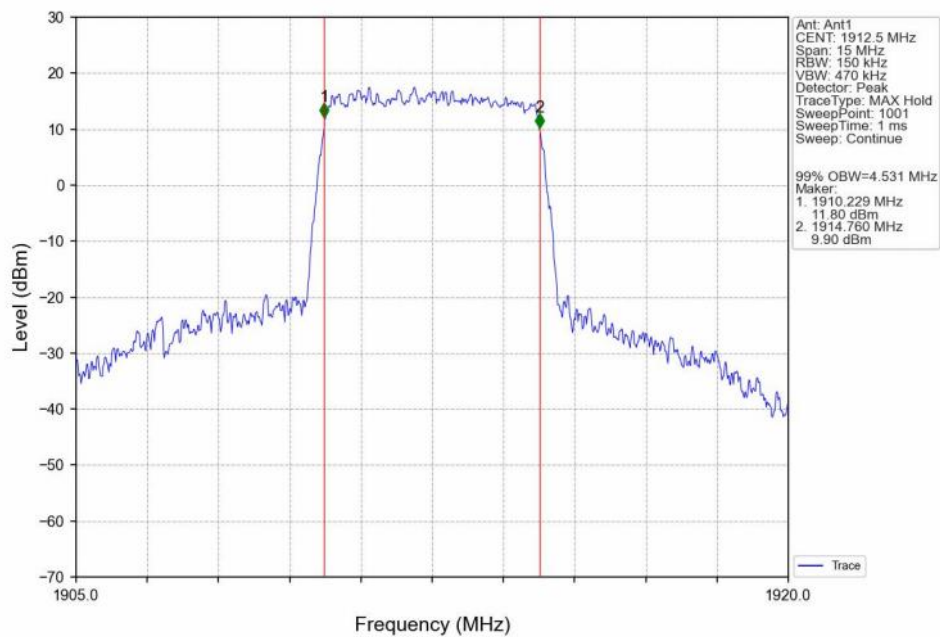
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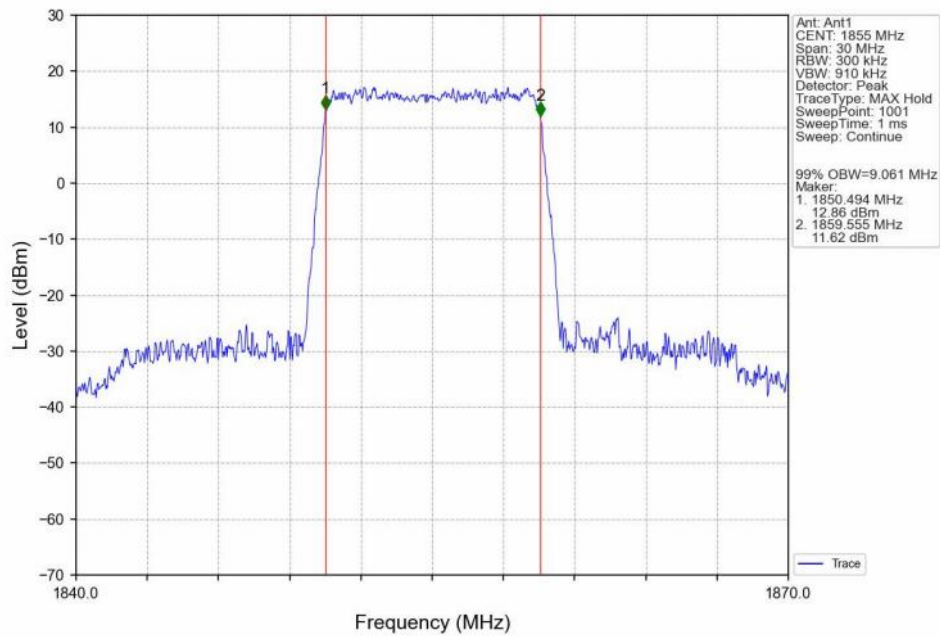
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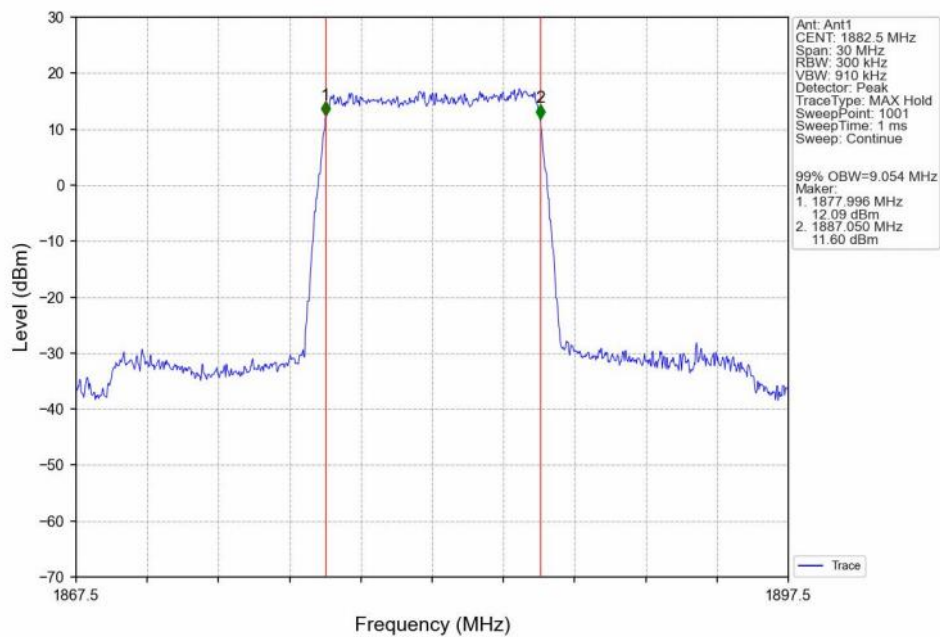
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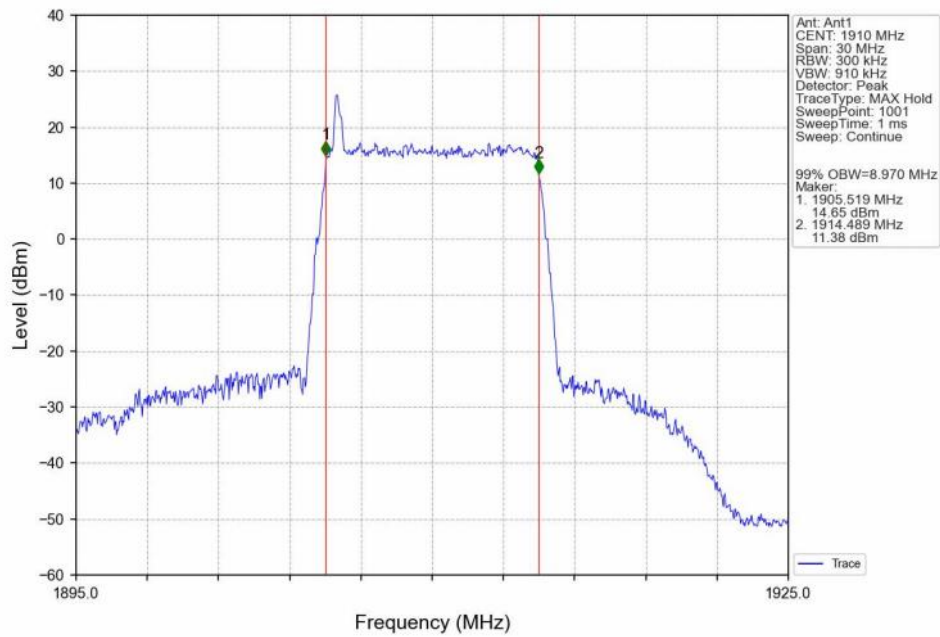
Band25_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



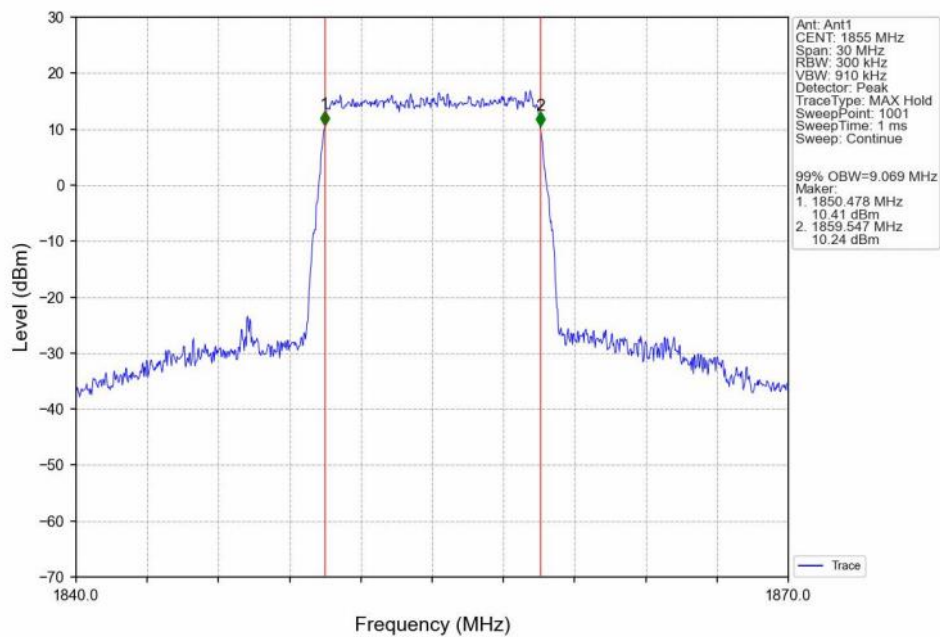
Band25_10MHz_QPSK_MCH_1882.5MHz_RB_50_0_NTNV



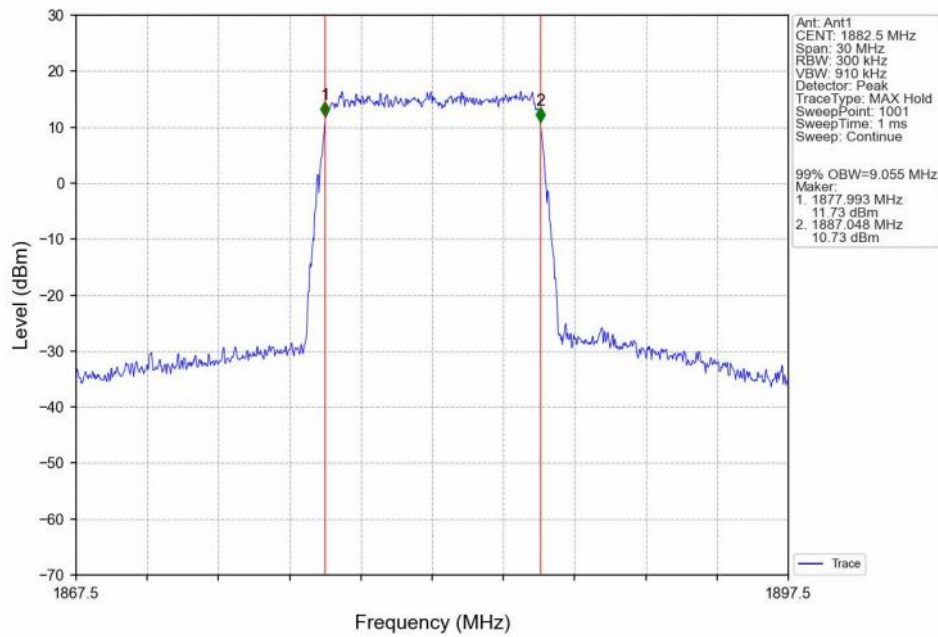
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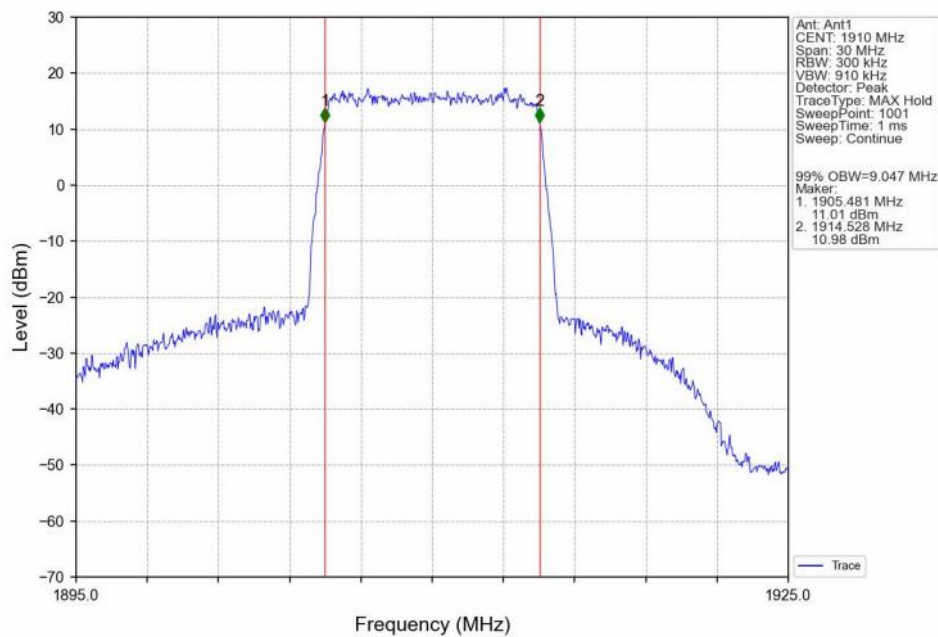
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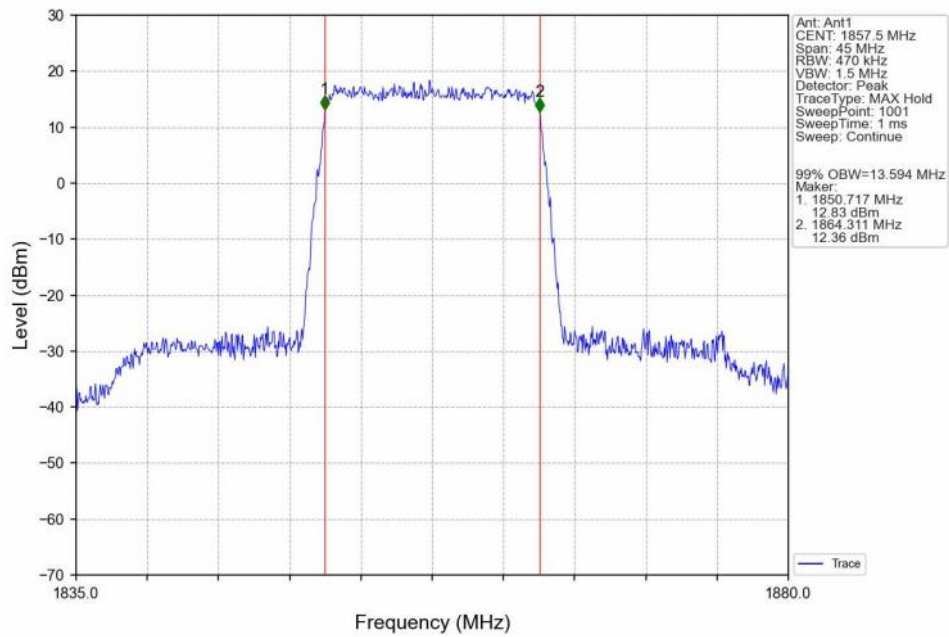
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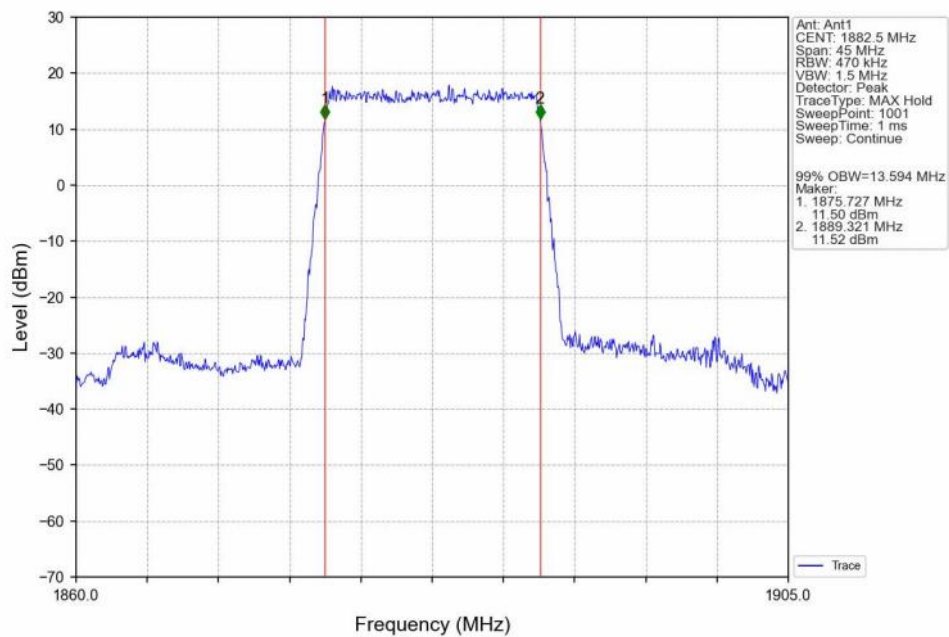
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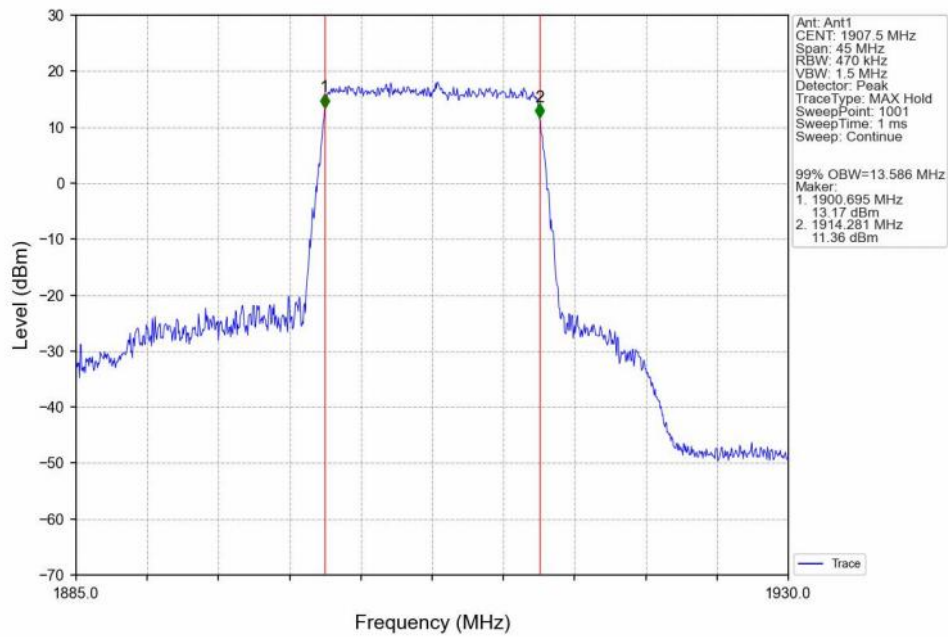
Band25_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



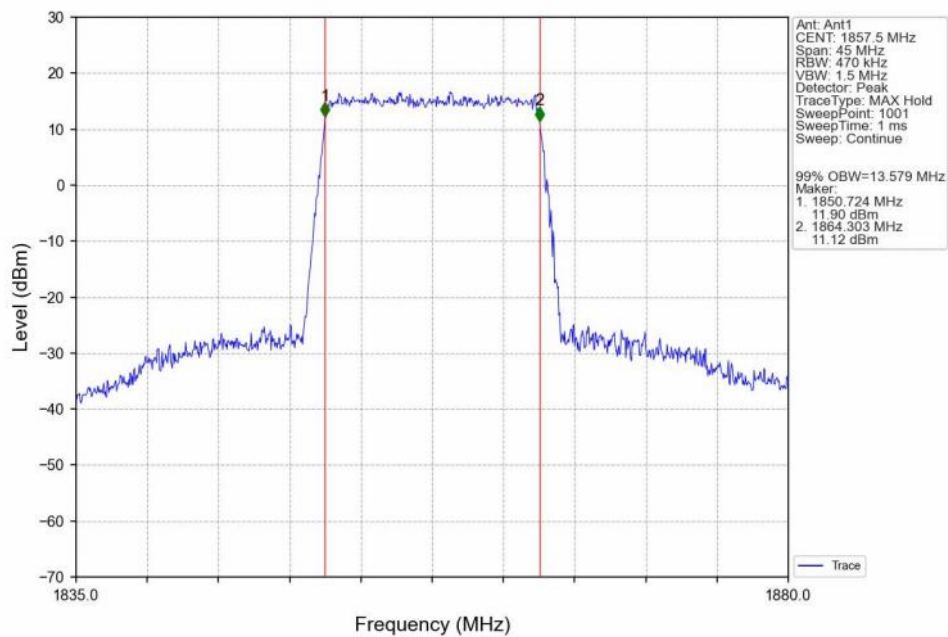
Band25_15MHz_QPSK_MCH_1882.5MHz_RB_75_0_NTNV



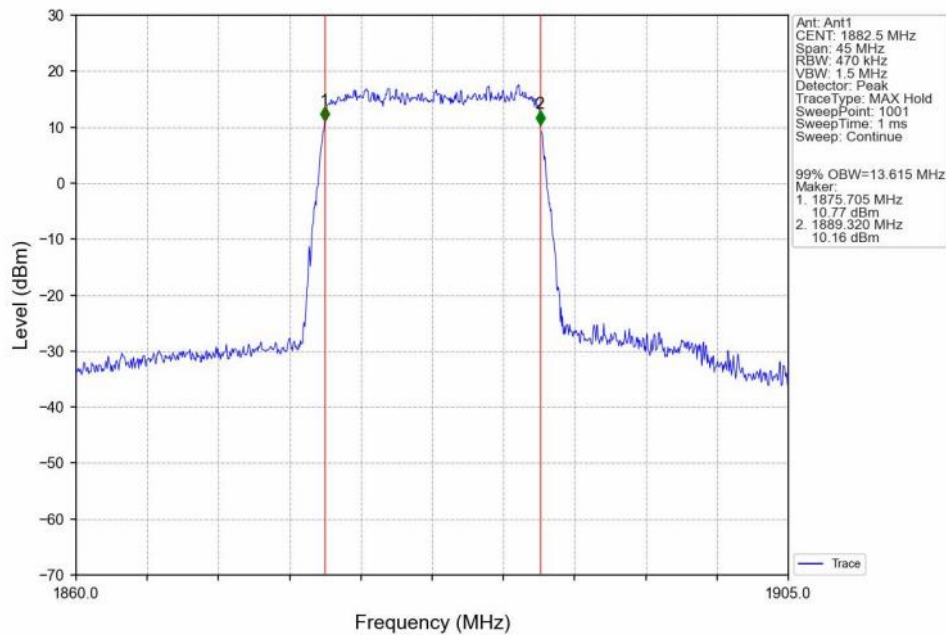
Band25_15MHz_QPSK_HCH_1907.5MHz_RB_75_0_NTNV



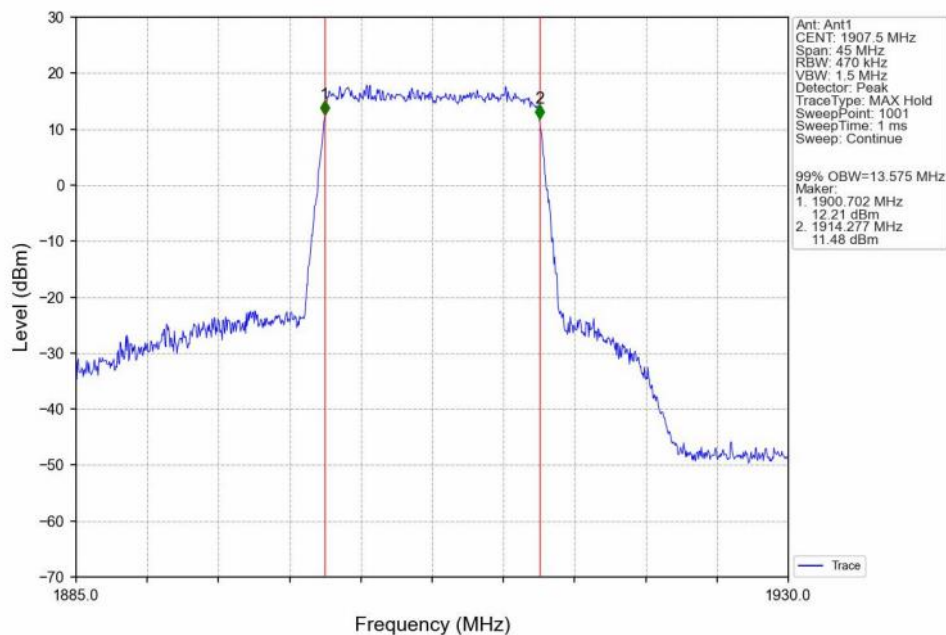
Band25_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



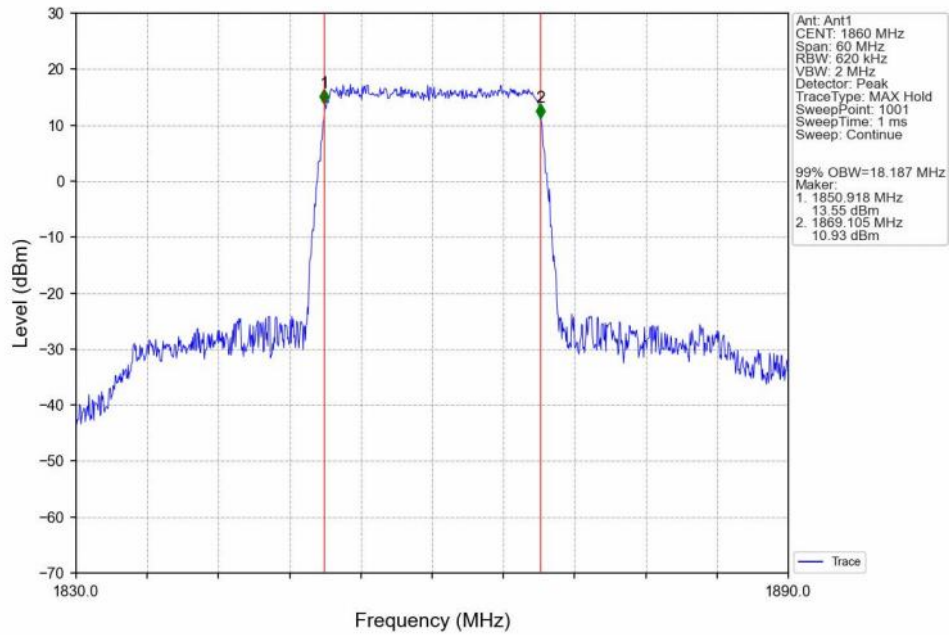
Band25_15MHz_16QAM_MCH_1882.5MHz_RB_75_0_NTNV



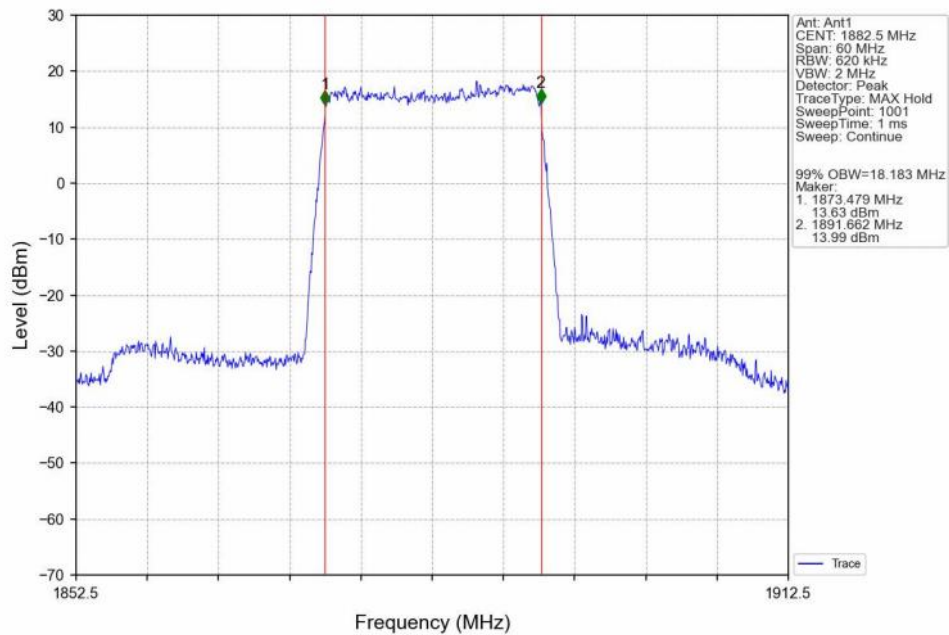
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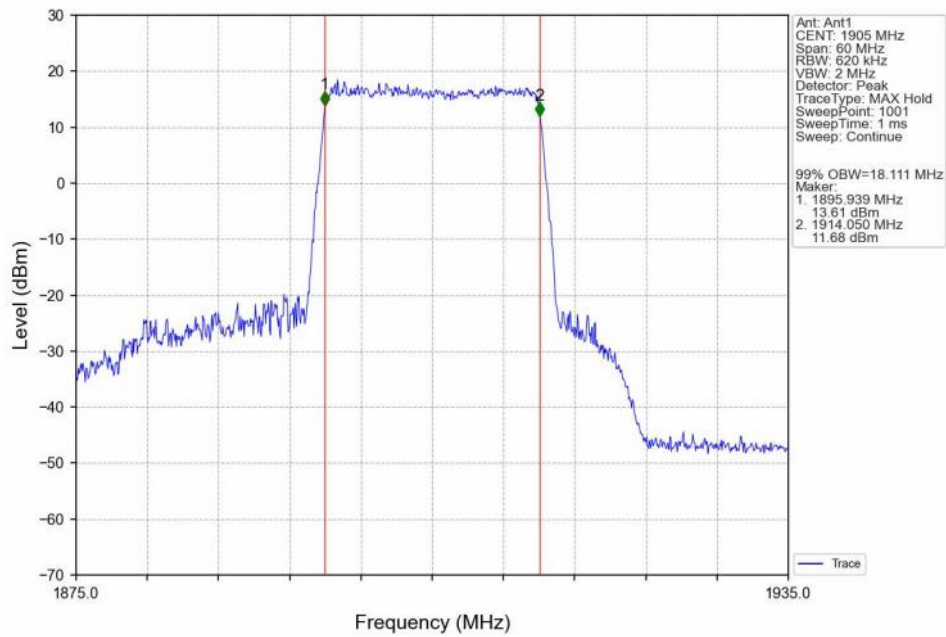
Band25_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



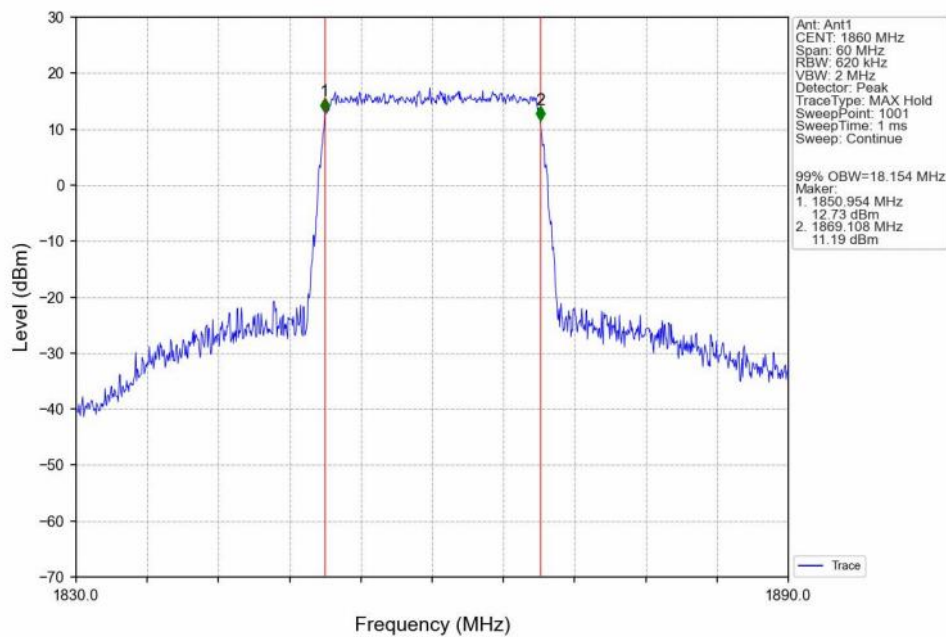
Band25_20MHz_QPSK_MCH_1882.5MHz_RB_100_0_NTNV



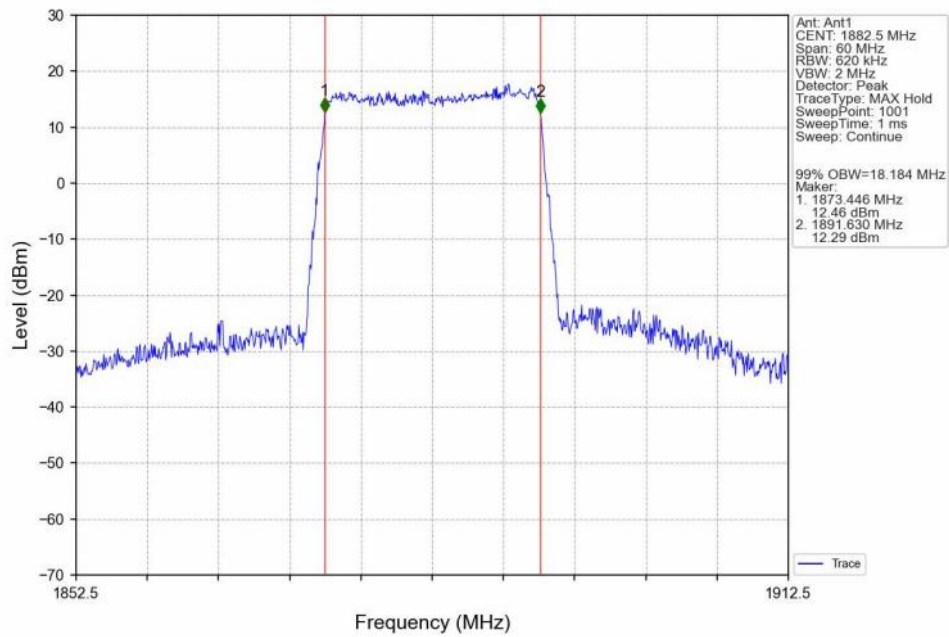
Band25_20MHz_QPSK_HCH_1905MHz_RB_100_0_NTNV



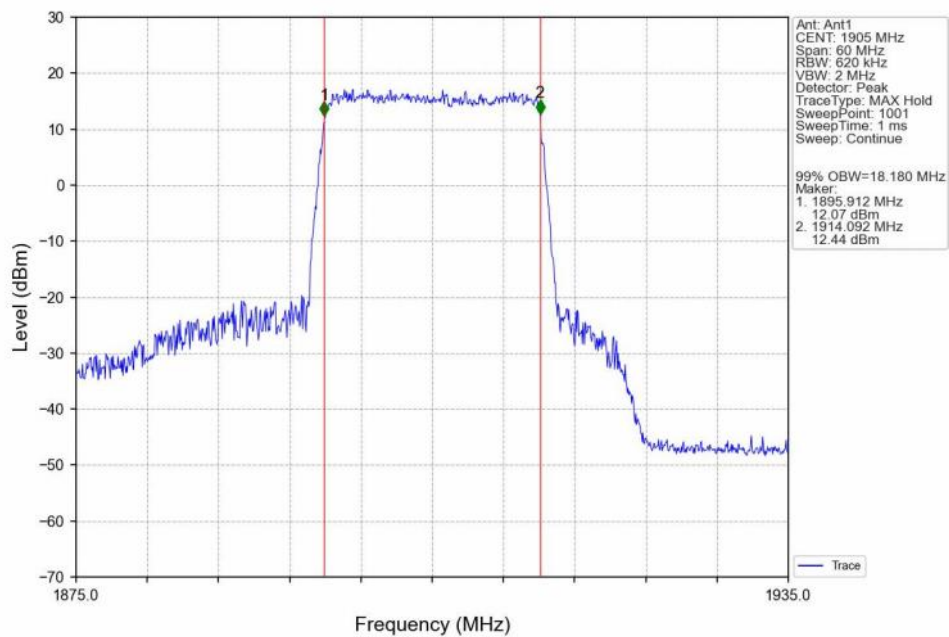
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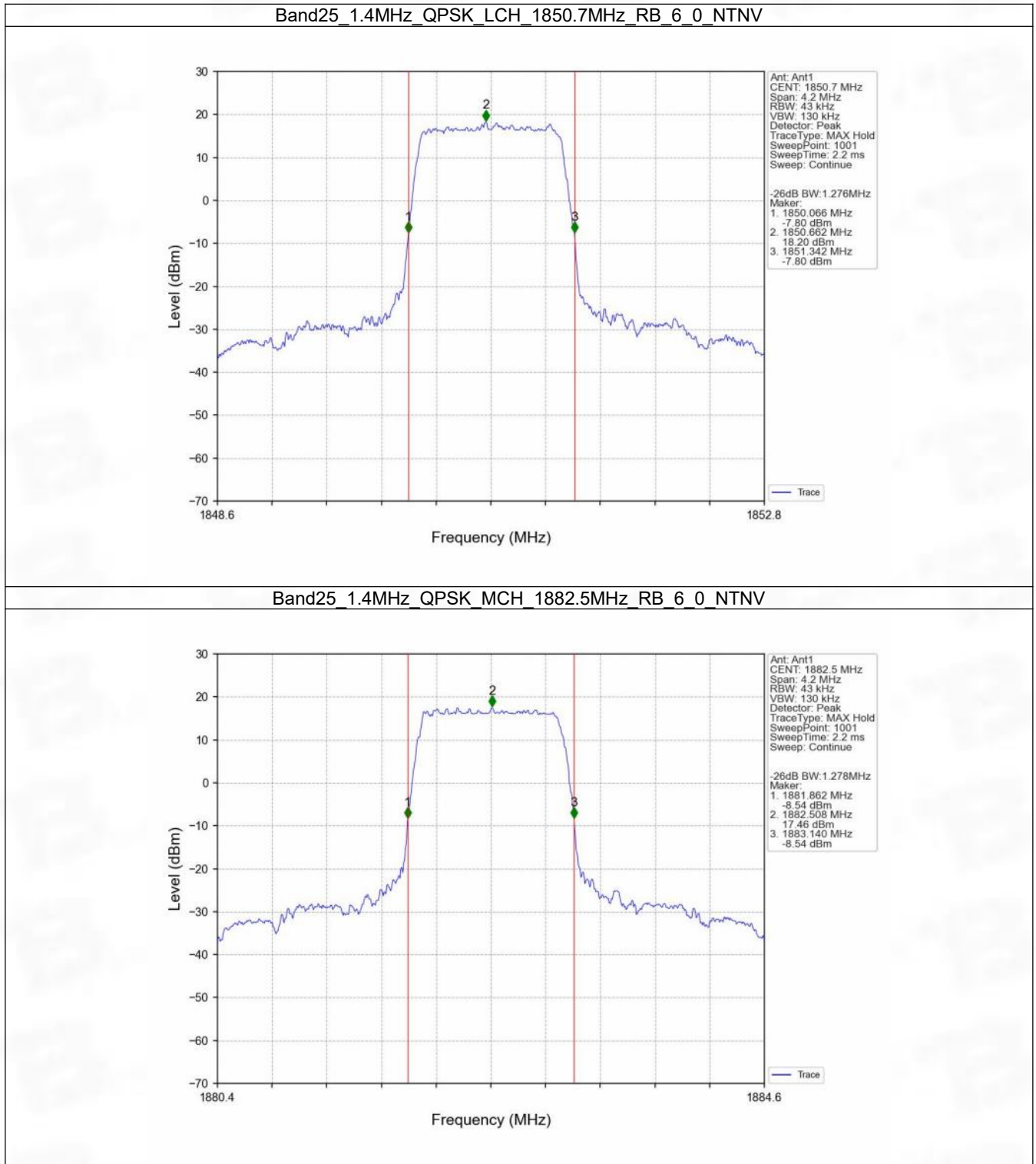
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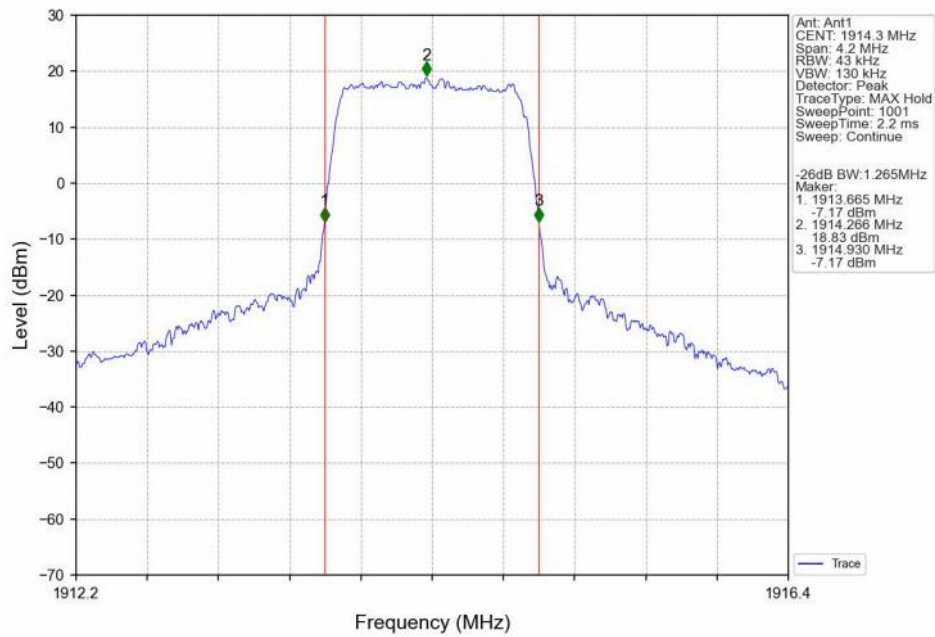
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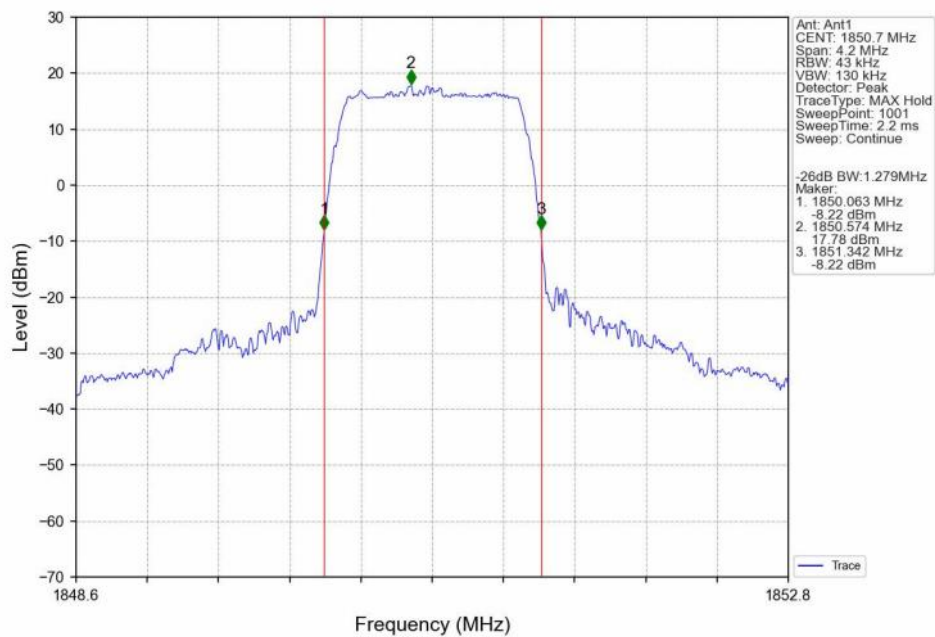
4.2.2 Band25_XDB



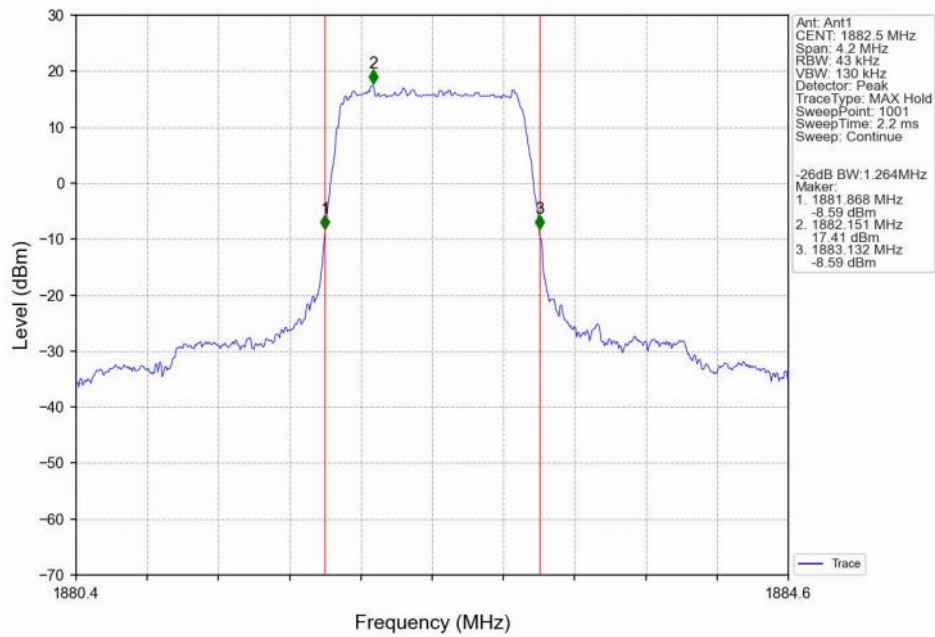
Band25_1.4MHz_QPSK_HCH_1914.3MHz_RB_6_0_NTNV



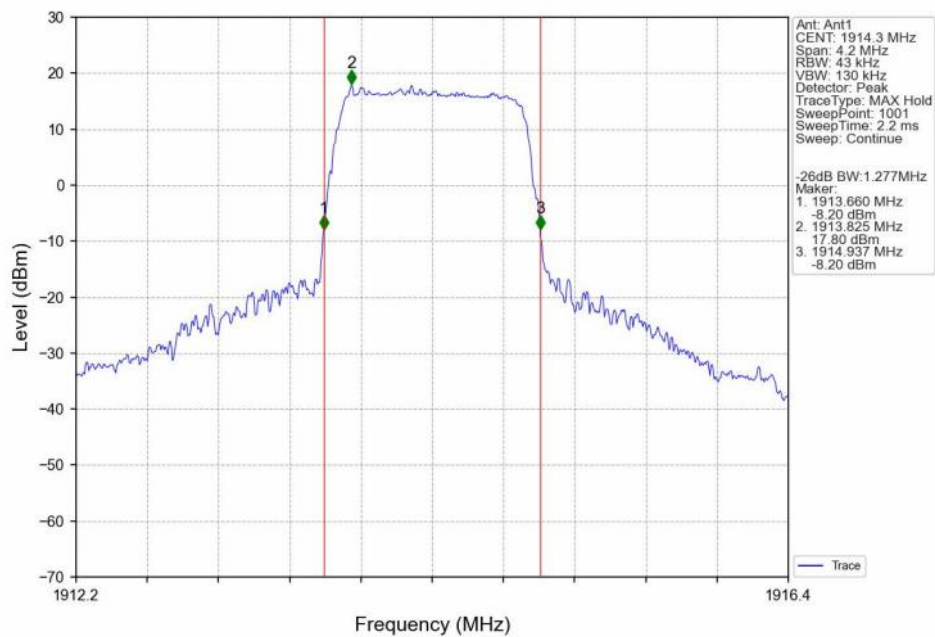
Band25_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



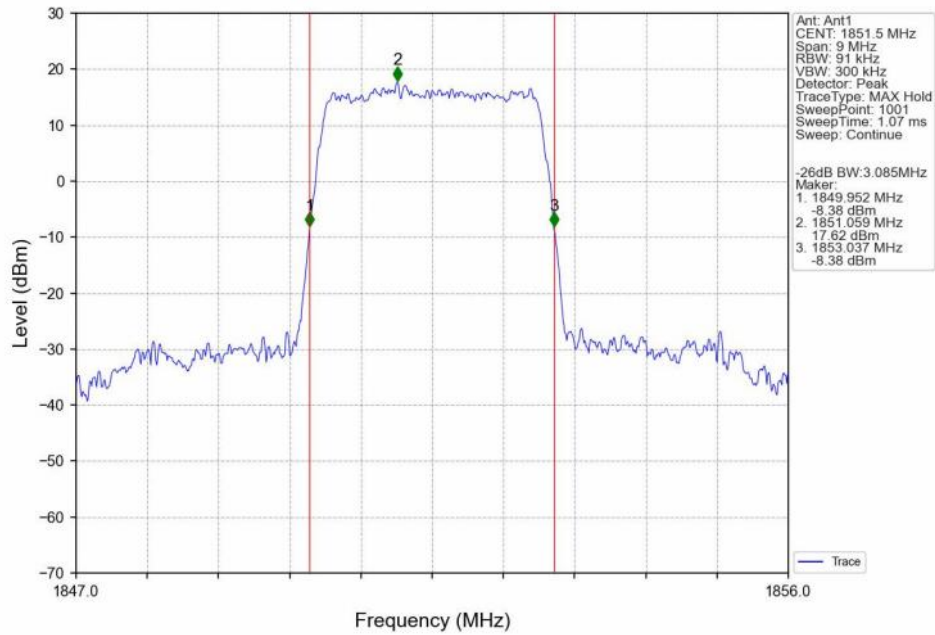
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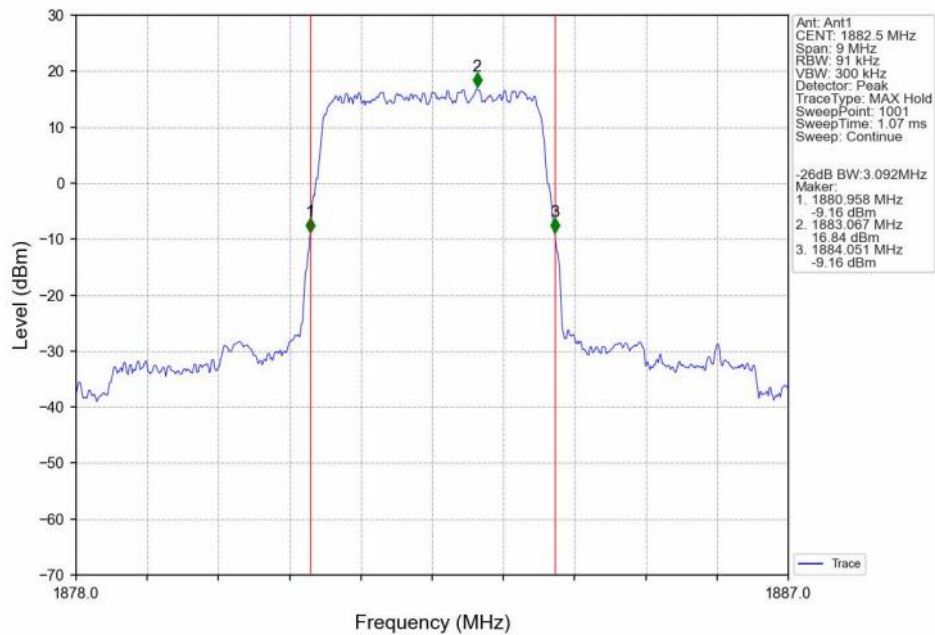
Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_6_0_NTNV



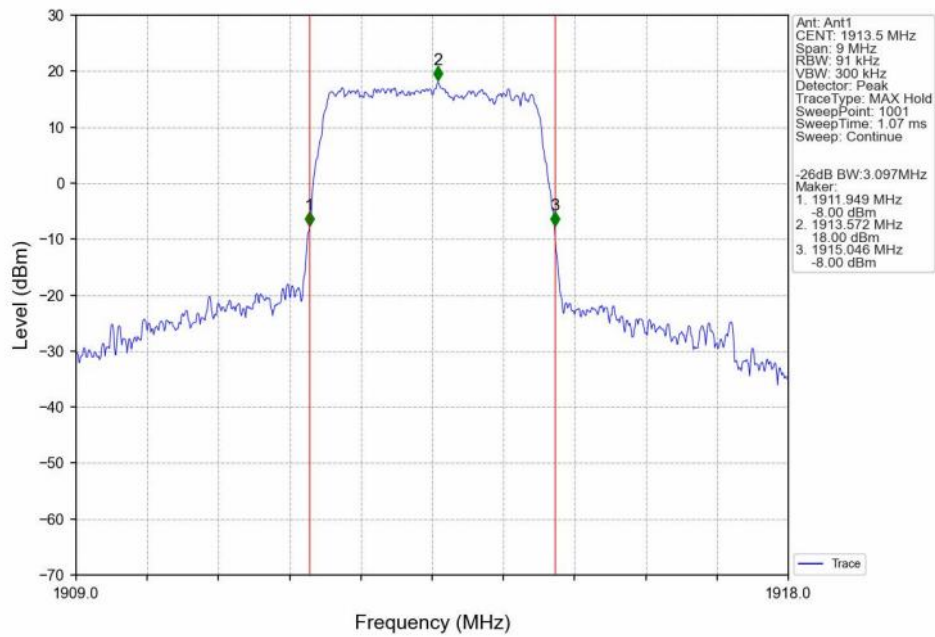
Band25_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



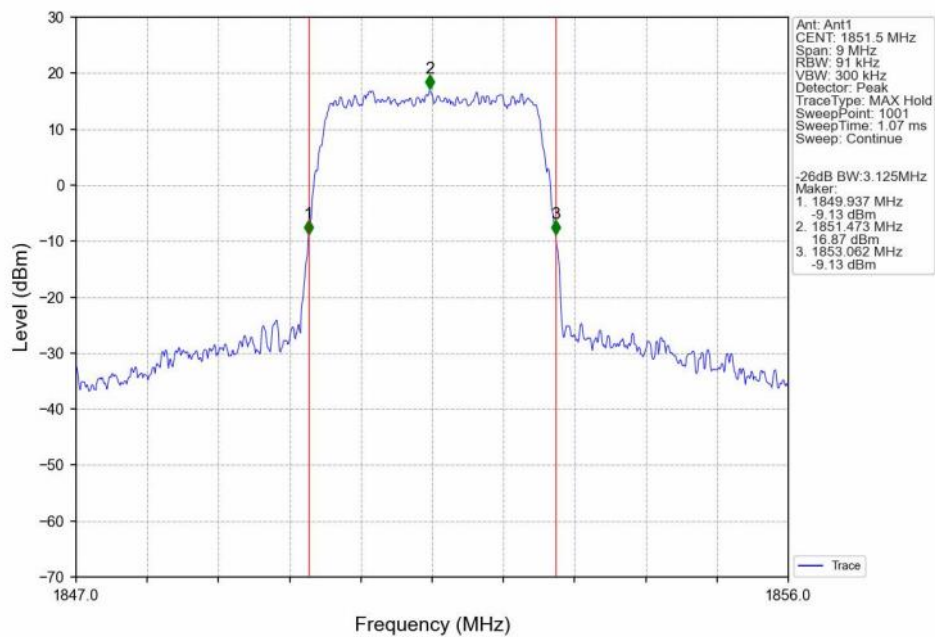
Band25_3MHz_QPSK_MCH_1882.5MHz_RB_15_0_NTNV



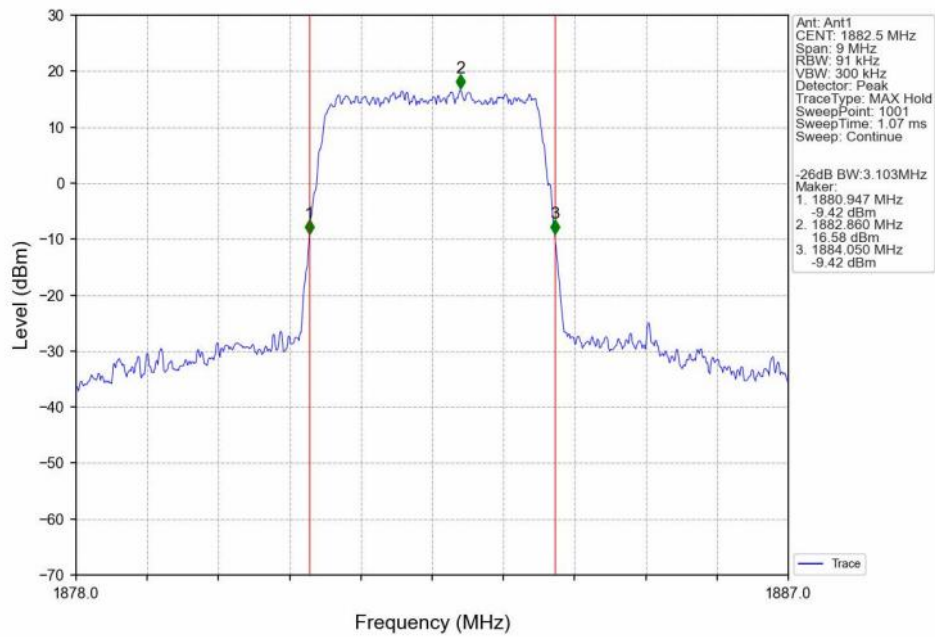
Band25_3MHz_QPSK_HCH_1913.5MHz_RB_15_0_NTNV



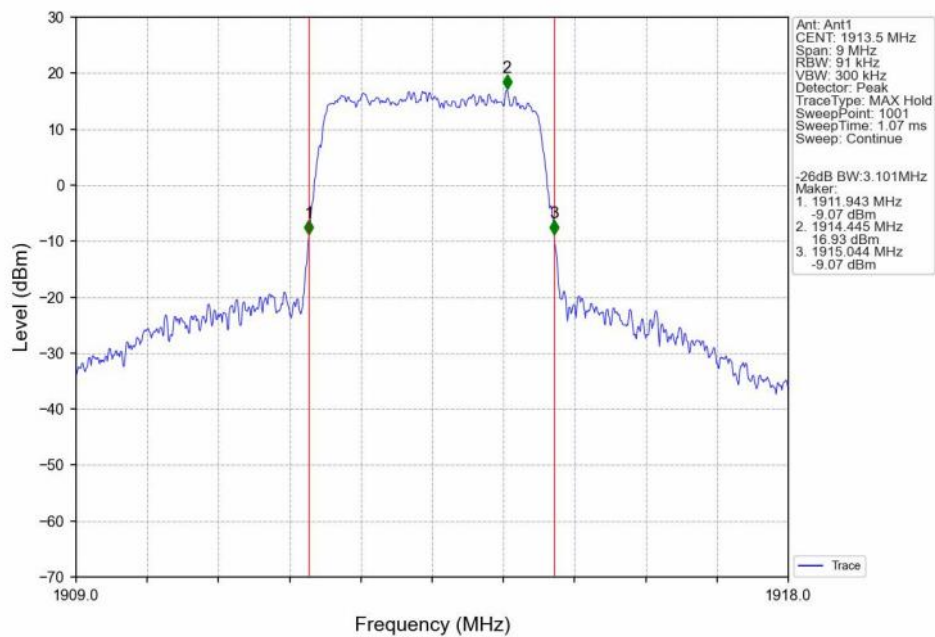
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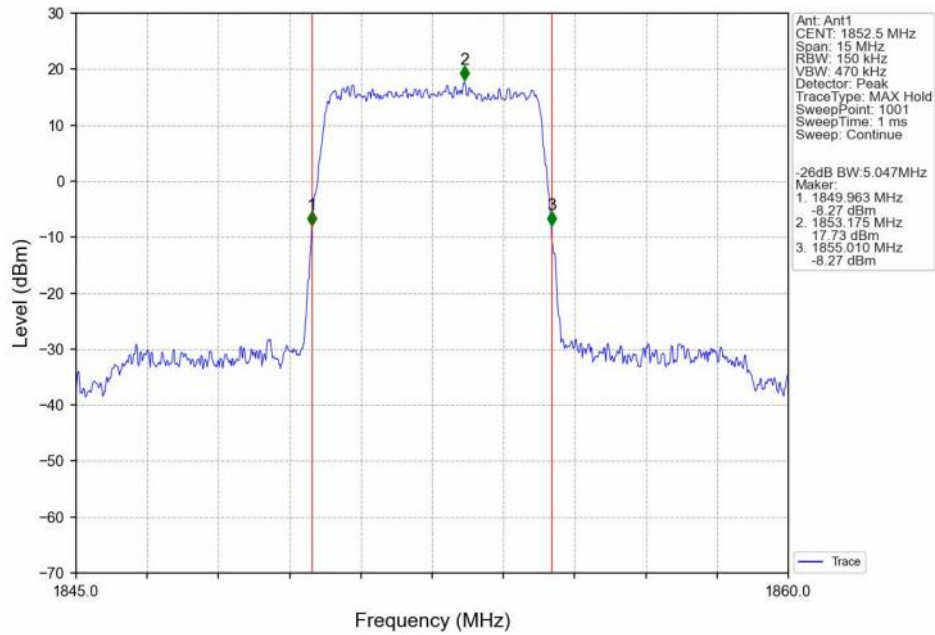
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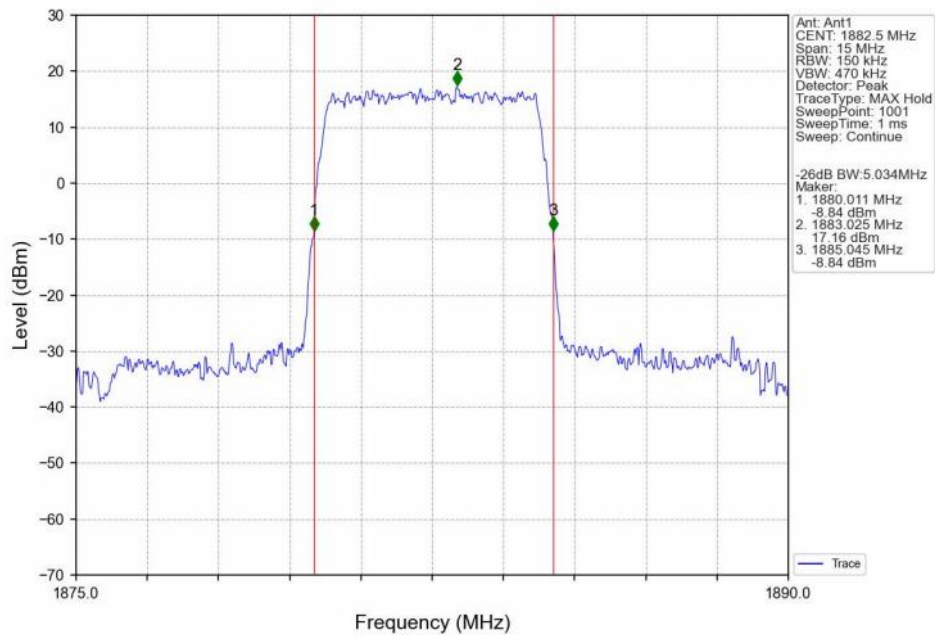
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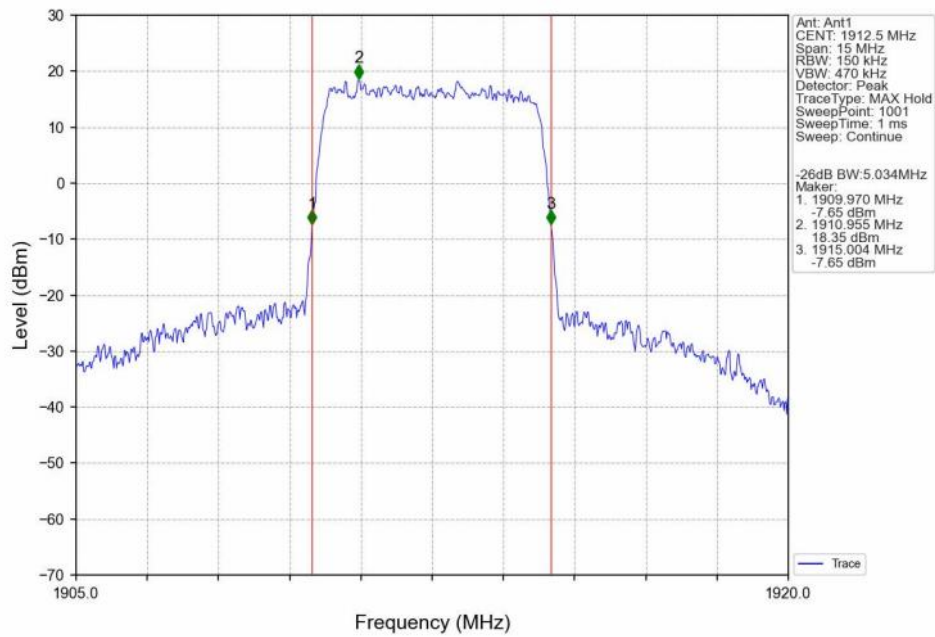
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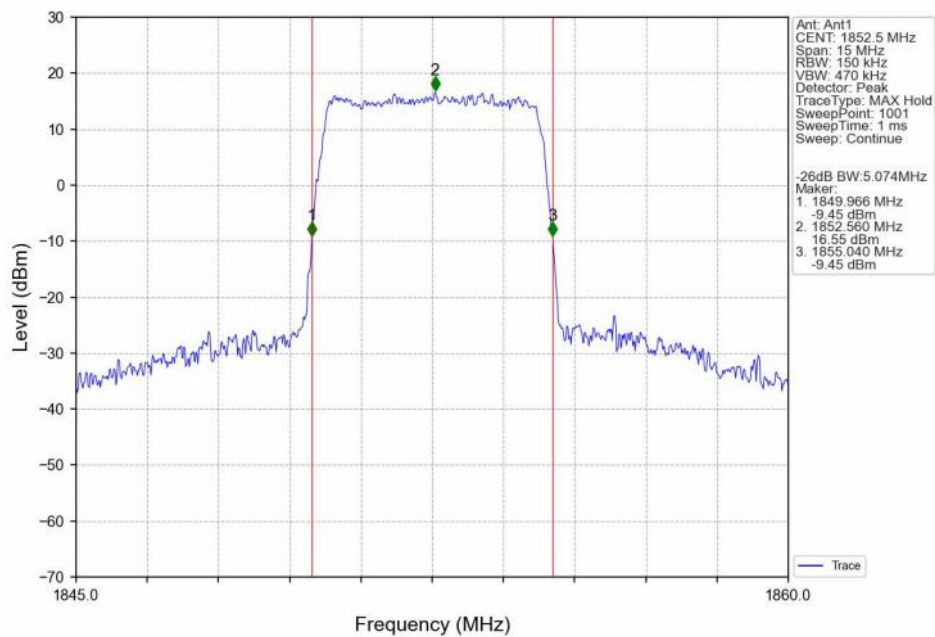
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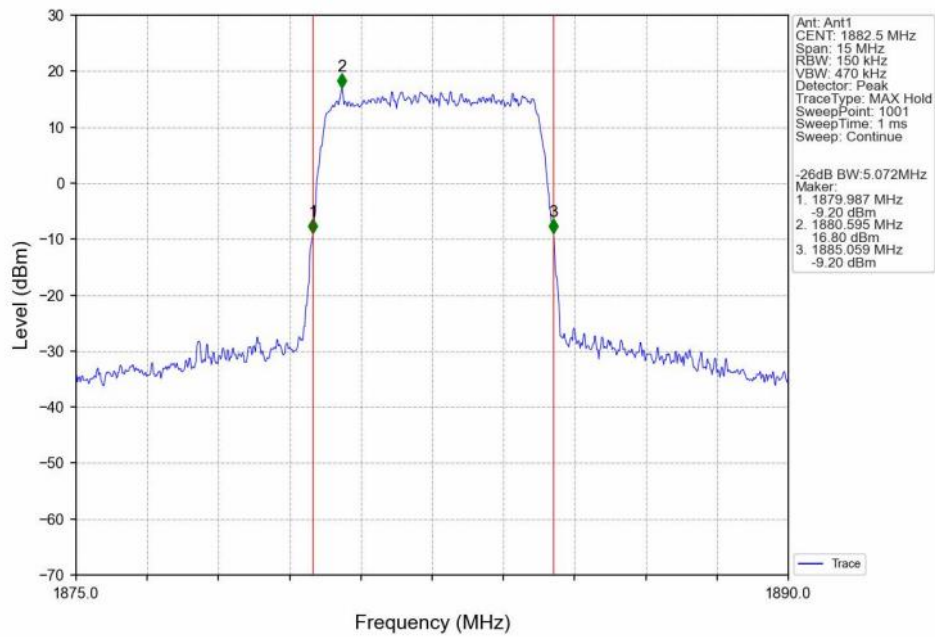
Band25_5MHz_QPSK_HCH_1912.5MHz_RB_25_0_NTNV



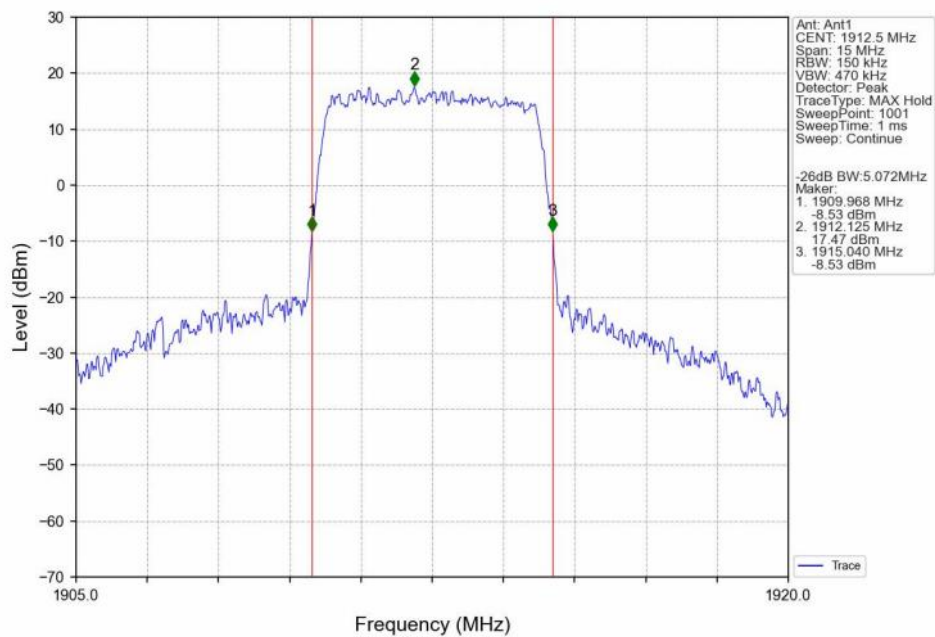
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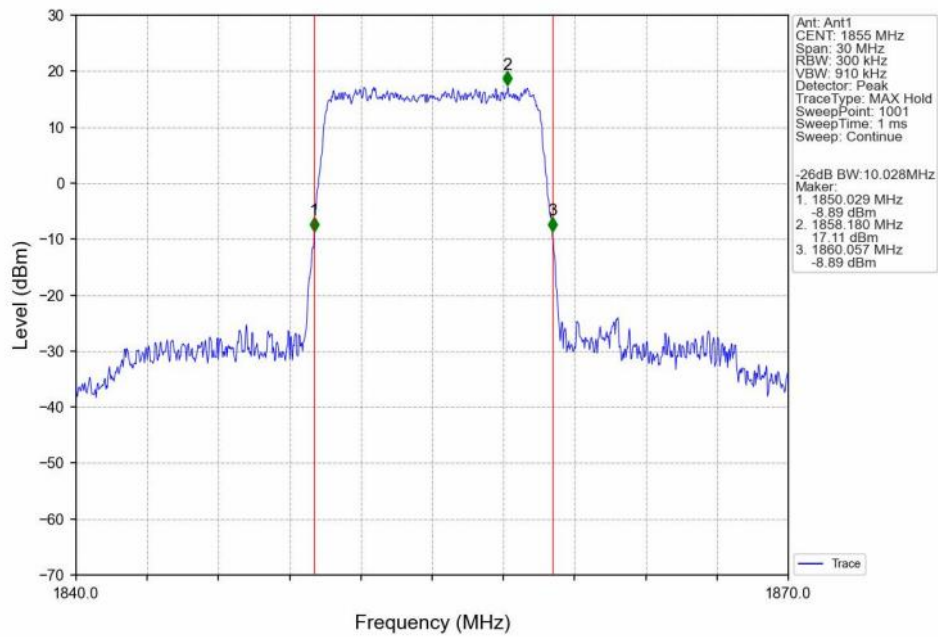
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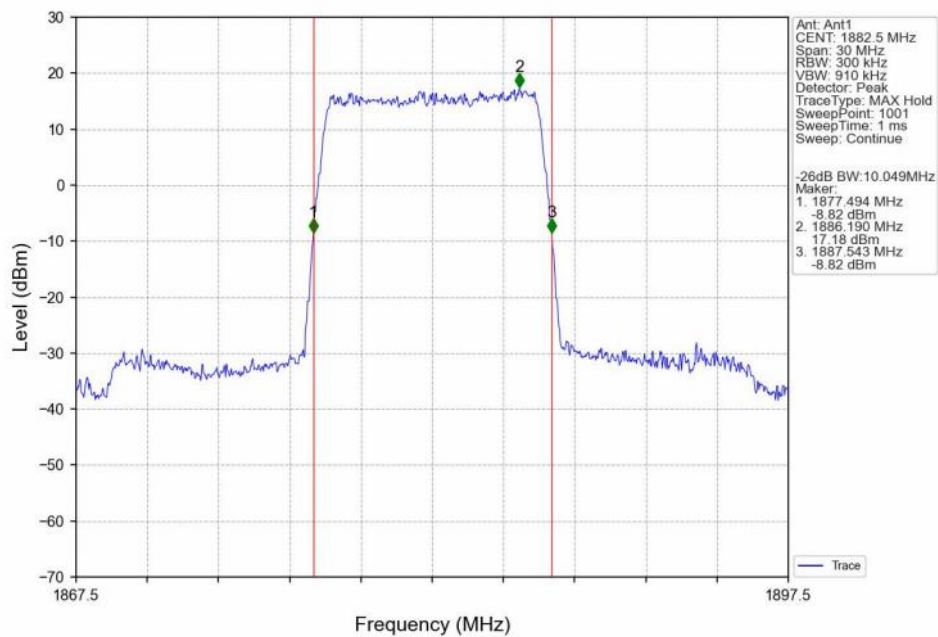
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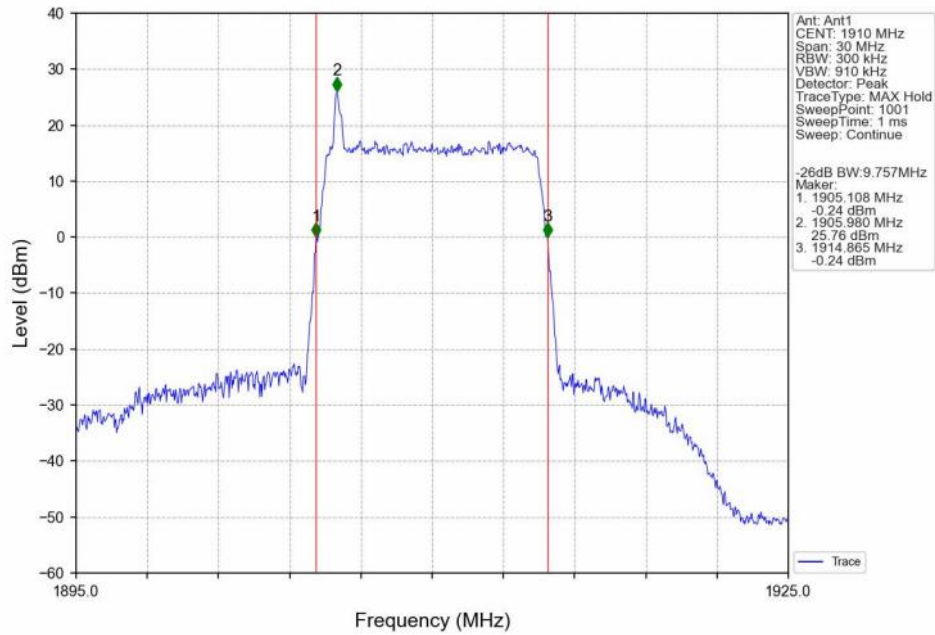
Band25_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



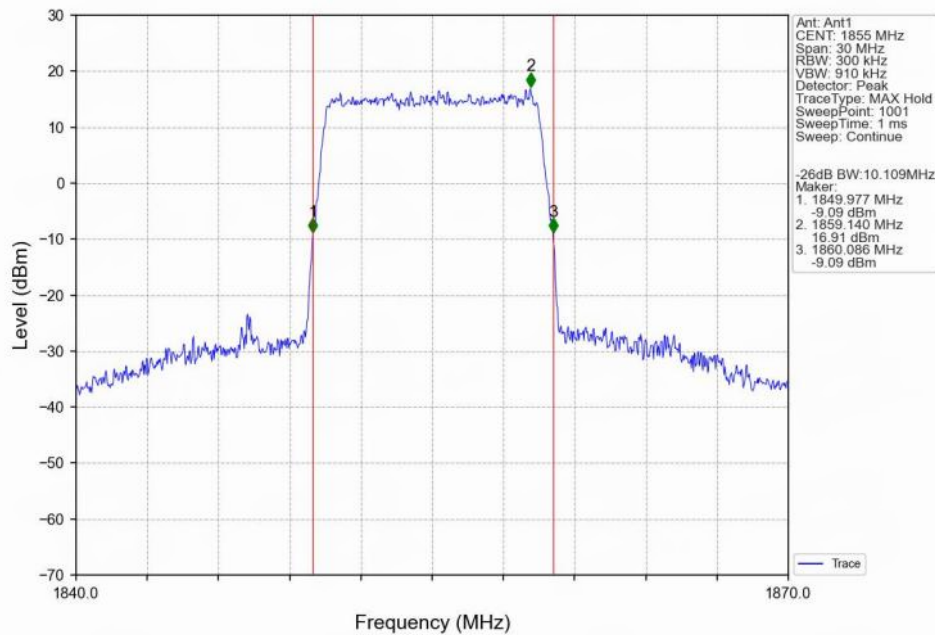
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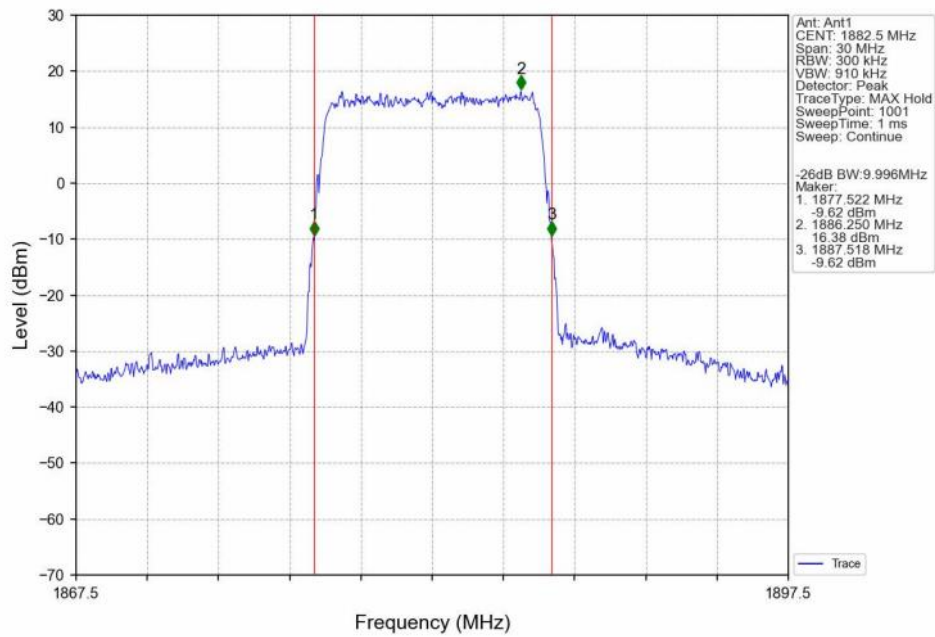
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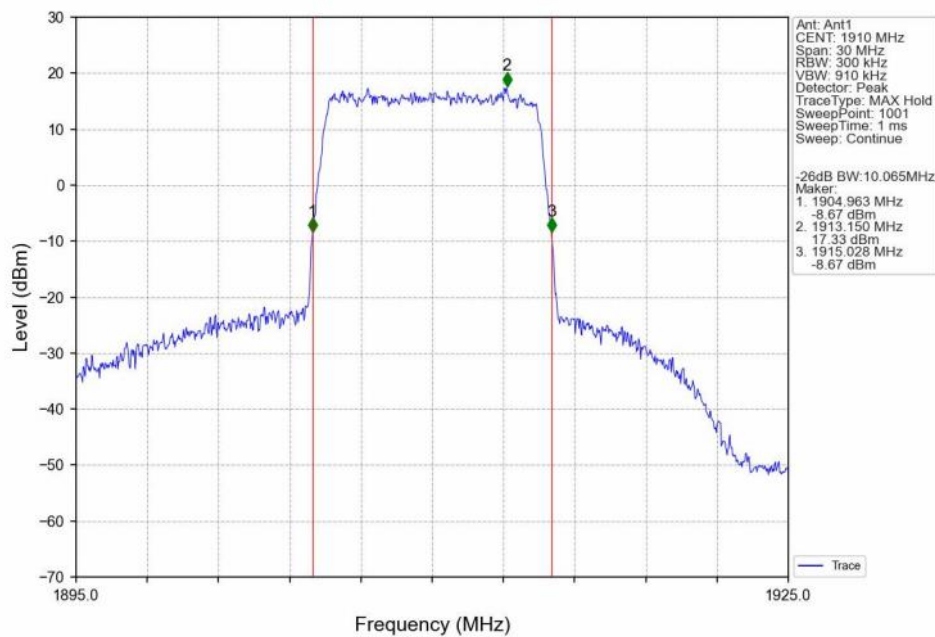
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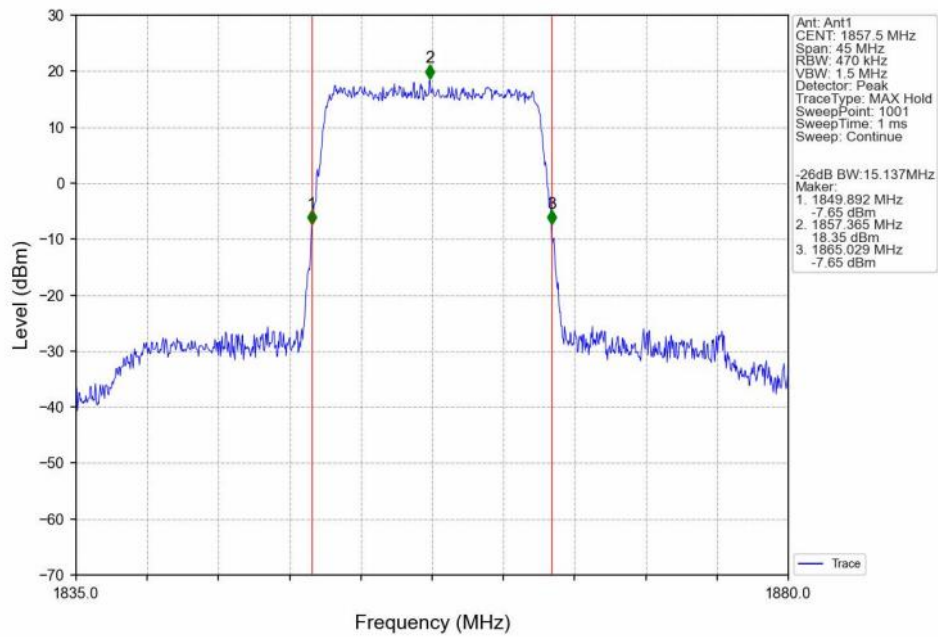
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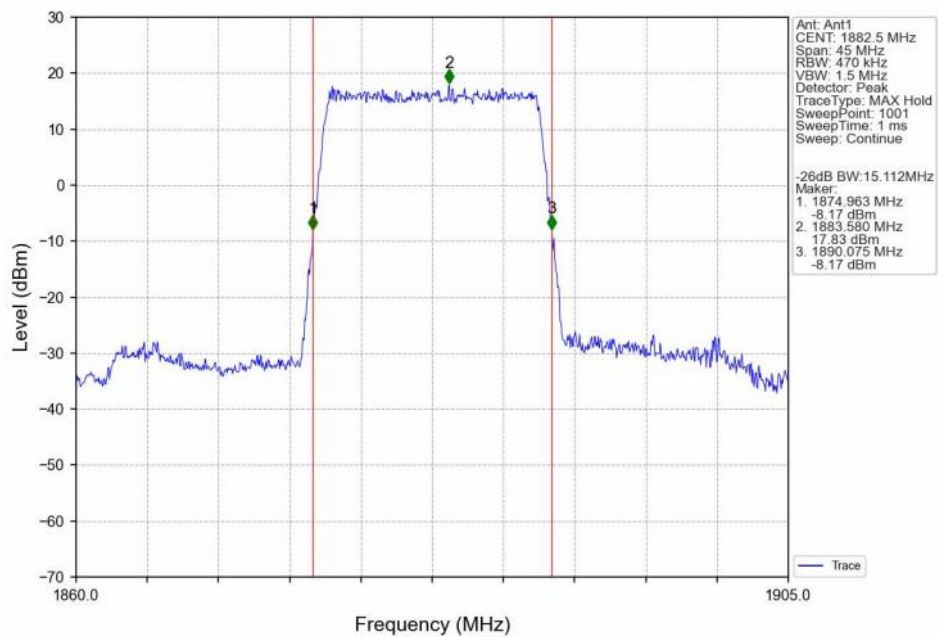
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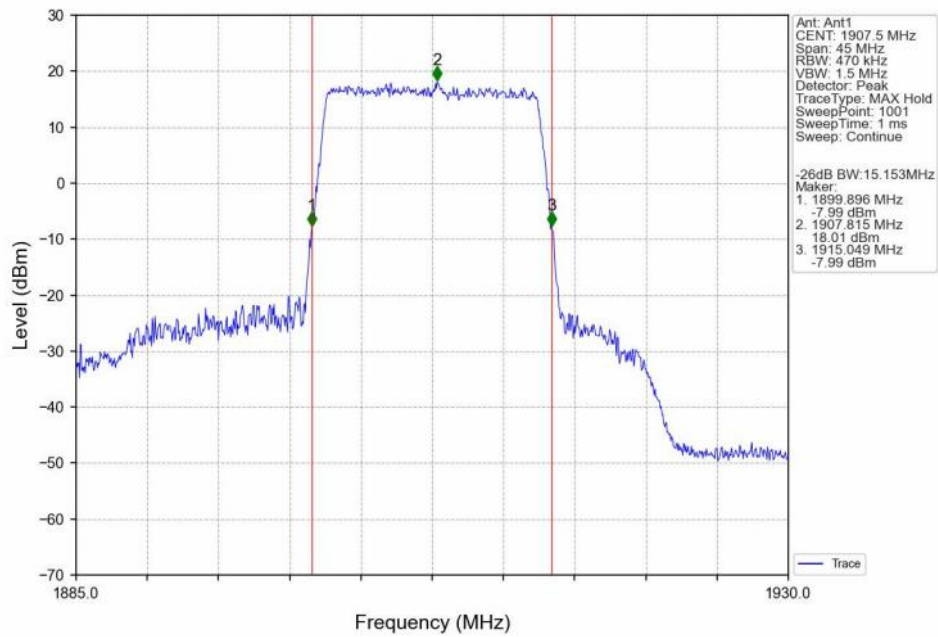
Band25_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



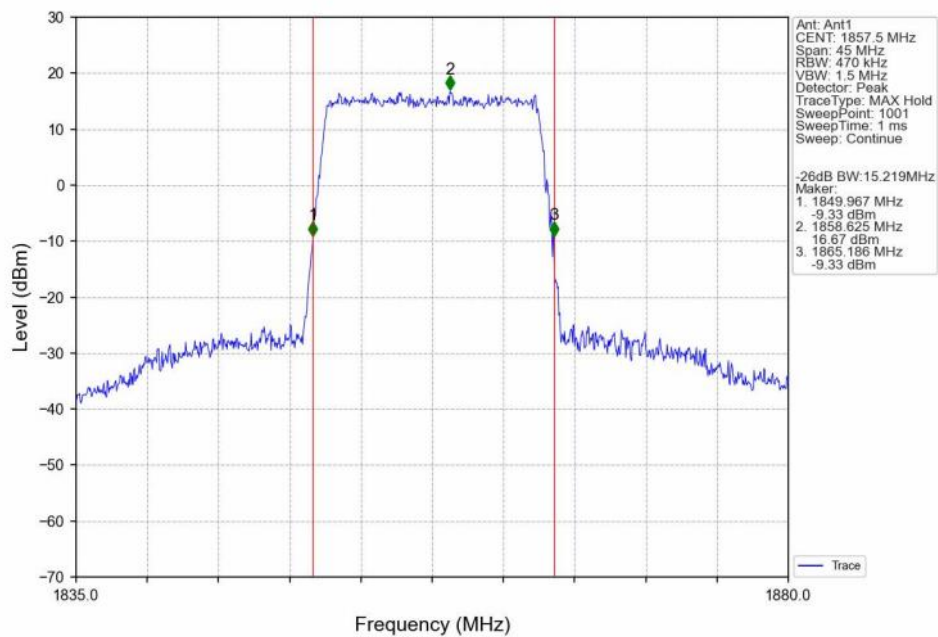
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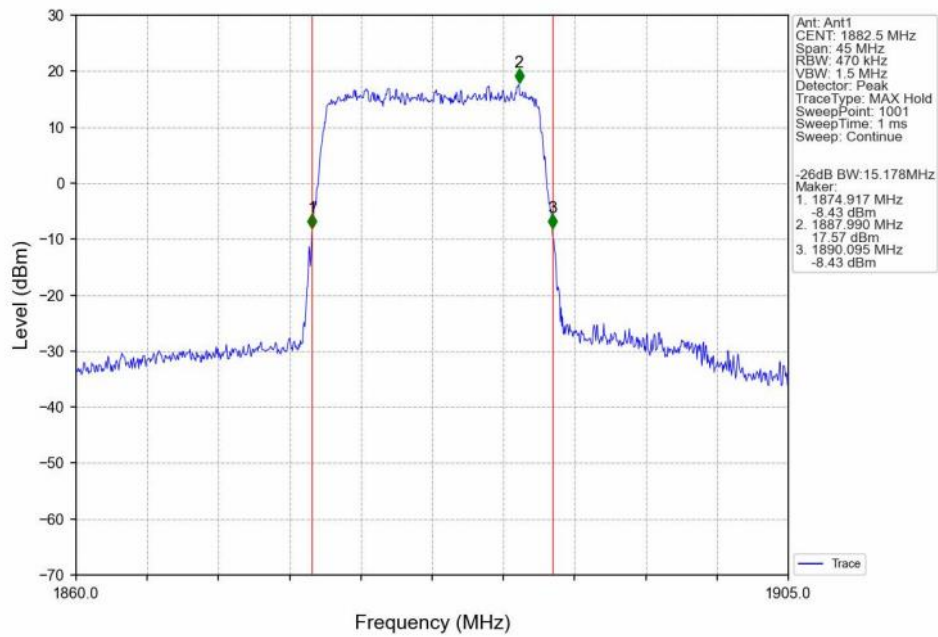
Band25_15MHz_QPSK_HCH_1907.5MHz_RB_75_0_NTNV



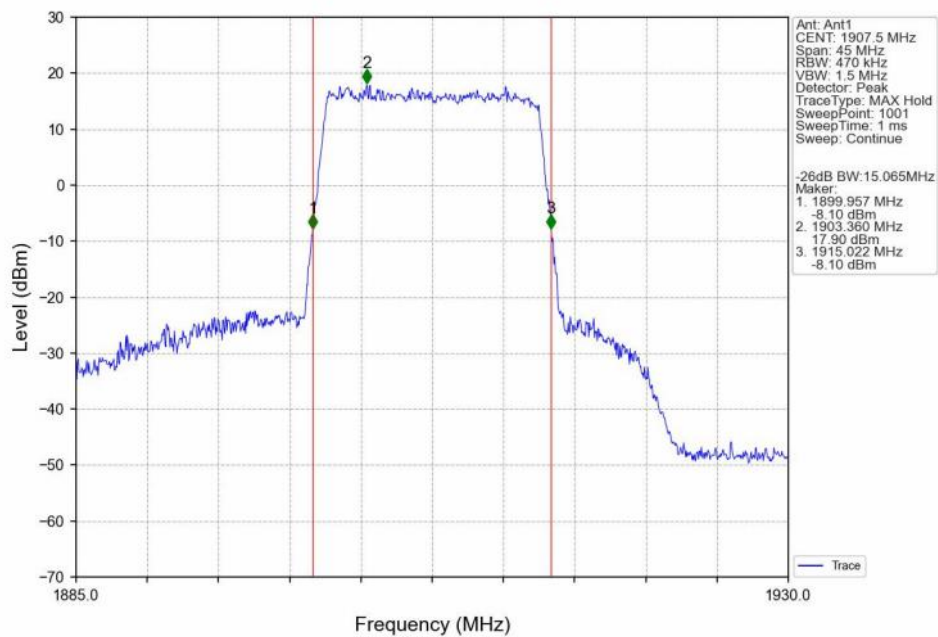
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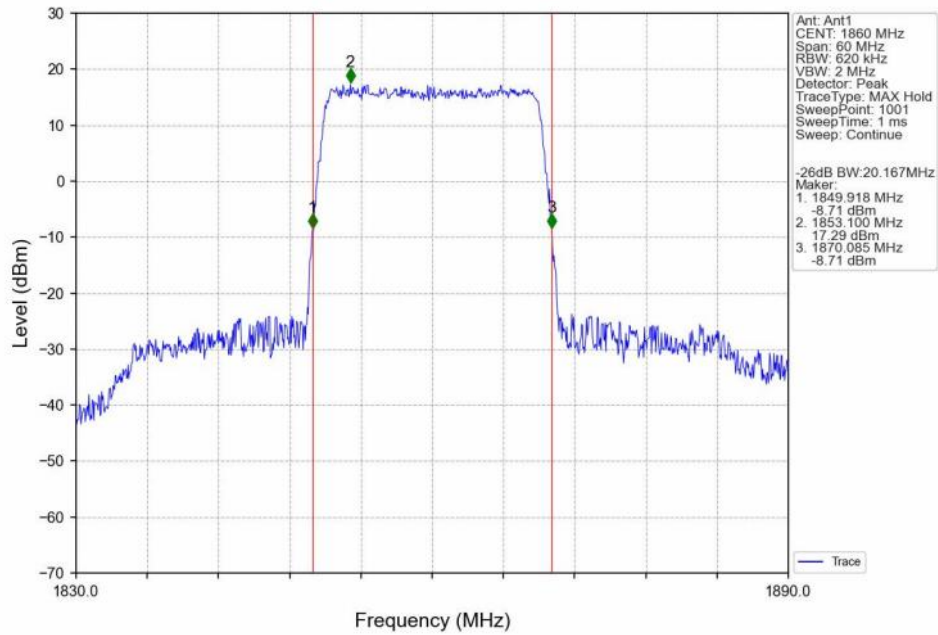
Band25_15MHz_16QAM_MCH_1882.5MHz_RB_75_0_NTNV



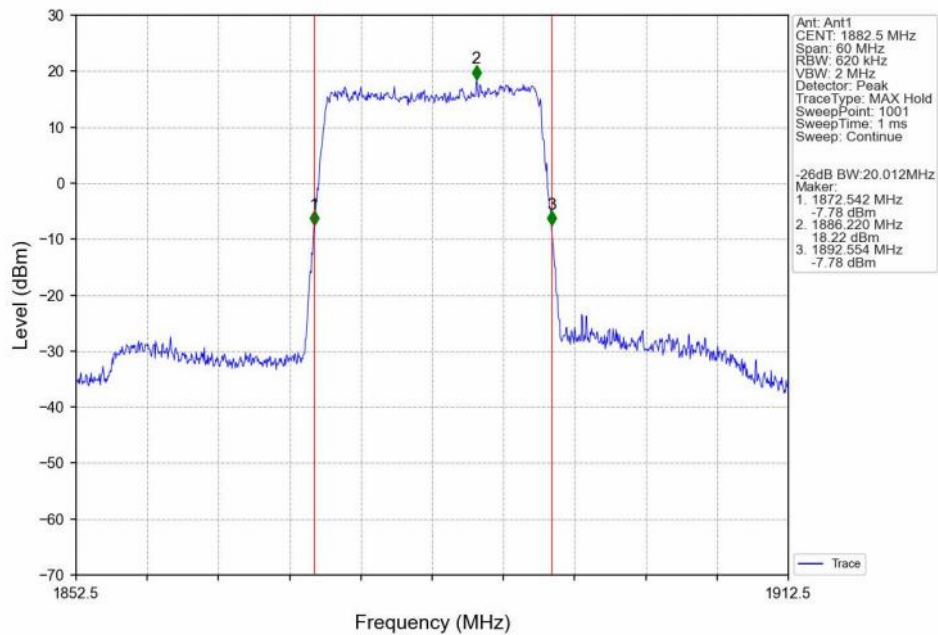
Band25_15MHz_16QAM_HCH_1907.5MHz_RB_75_0_NTNV



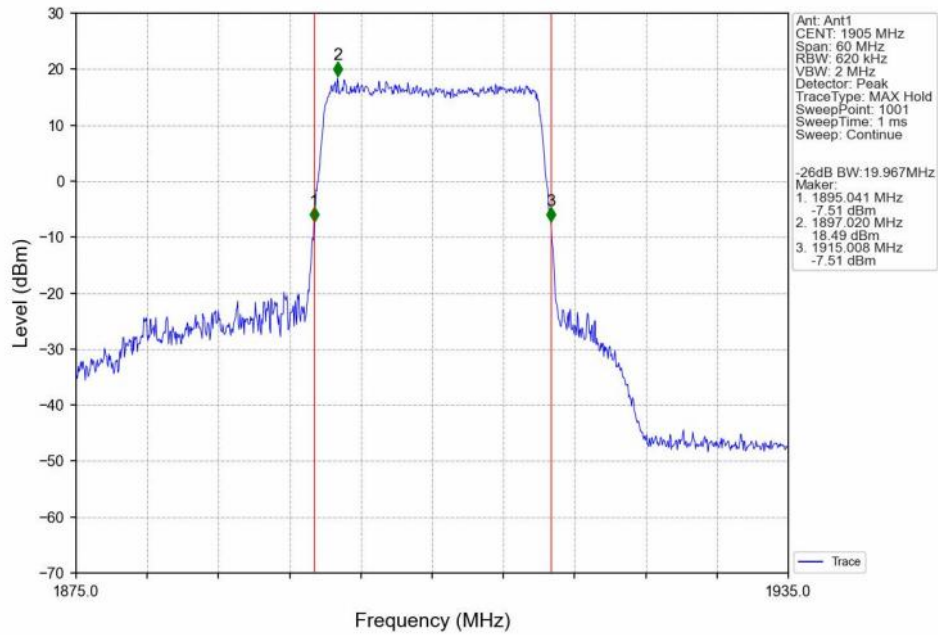
Band25_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



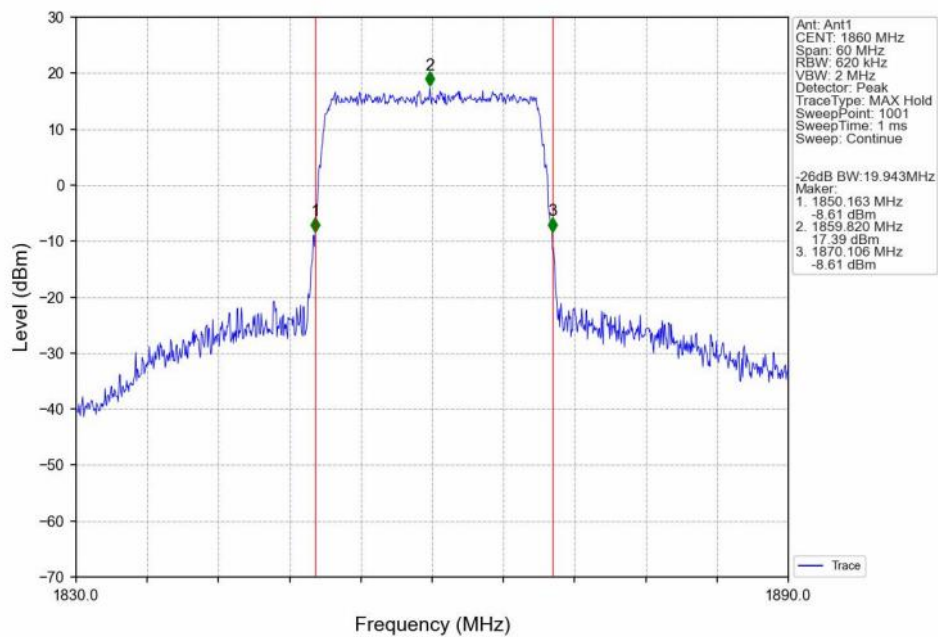
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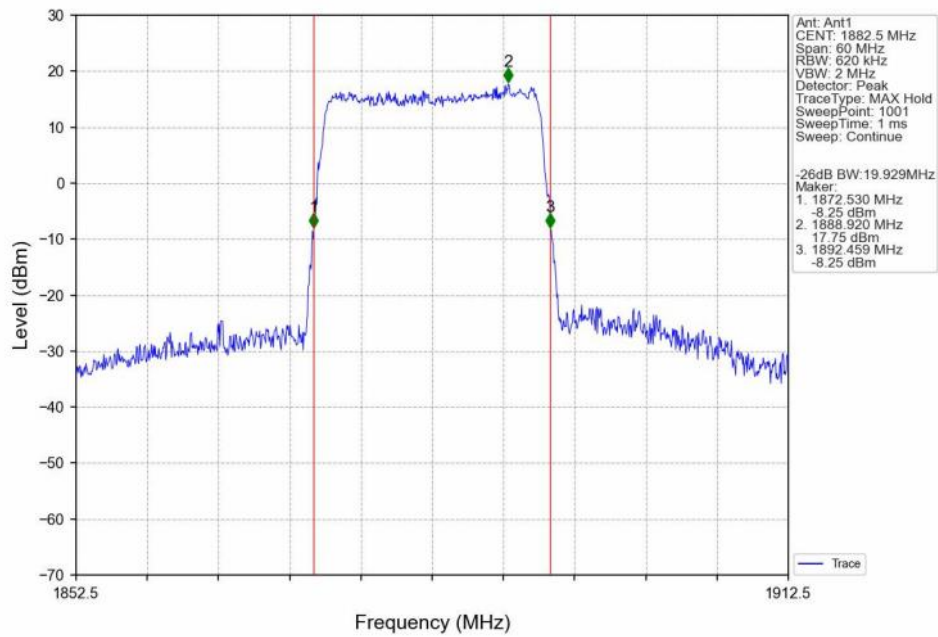
Band25_20MHz_QPSK_HCH_1905MHz_RB_100_0_NTNV



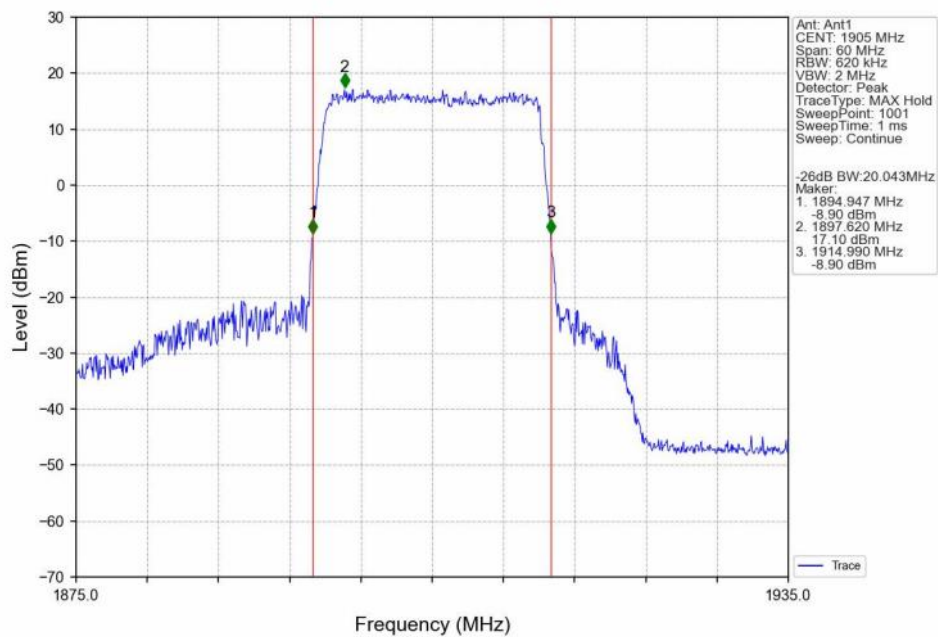
Band25_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



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	5.61	≤ 13	Pass
	1882.5	6	0	5.77	≤ 13	Pass
	1914.3	6	0	5.11	≤ 13	Pass
16QAM	1850.7	6	0	6.23	≤ 13	Pass
	1882.5	6	0	6.54	≤ 13	Pass
	1914.3	6	0	5.83	≤ 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	5.61	≤ 13	Pass
	1882.5	15	0	5.74	≤ 13	Pass
	1913.5	15	0	5.22	≤ 13	Pass
16QAM	1851.5	15	0	6.32	≤ 13	Pass
	1882.5	15	0	6.55	≤ 13	Pass
	1913.5	15	0	6.05	≤ 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	5.61	≤ 13	Pass
	1882.5	25	0	5.79	≤ 13	Pass
	1912.5	25	0	5.43	≤ 13	Pass
16QAM	1852.5	25	0	6.31	≤ 13	Pass
	1882.5	25	0	6.45	≤ 13	Pass
	1912.5	25	0	6.10	≤ 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	5.65	≤ 13	Pass
	1882.5	50	0	5.82	≤ 13	Pass
	1910	50	0	5.63	≤ 13	Pass
16QAM	1855	50	0	6.36	≤ 13	Pass
	1882.5	50	0	6.54	≤ 13	Pass
	1910	50	0	6.29	≤ 13	Pass

5.1.5 B25_15MHz

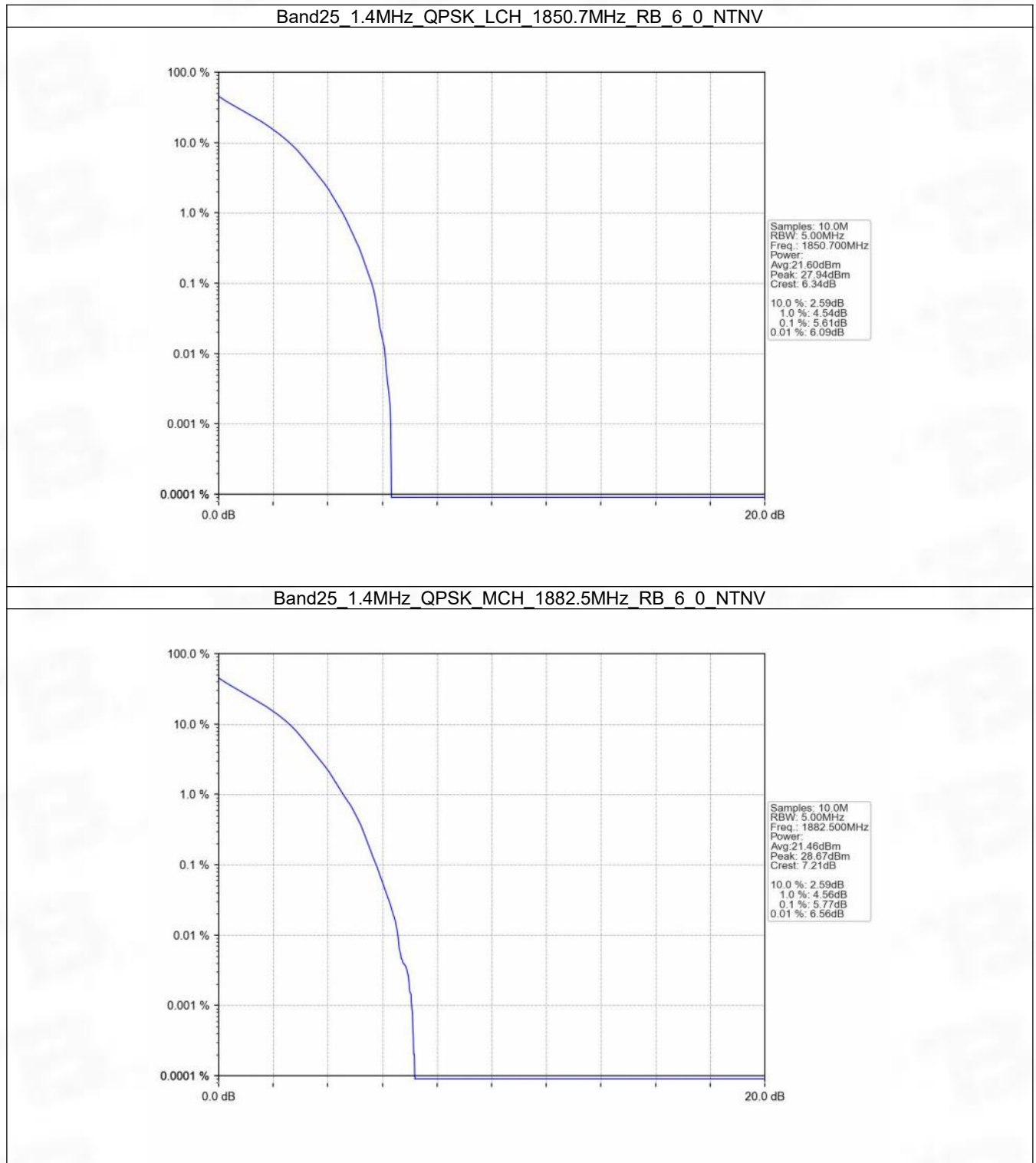
Band: 25 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	75	0	5.94	<=13	Pass
	1882.5	75	0	6.13	<=13	Pass
	1907.5	75	0	5.86	<=13	Pass
16QAM	1857.5	75	0	6.39	<=13	Pass
	1882.5	75	0	6.53	<=13	Pass
	1907.5	75	0	6.29	<=13	Pass

5.1.6 B25_20MHz

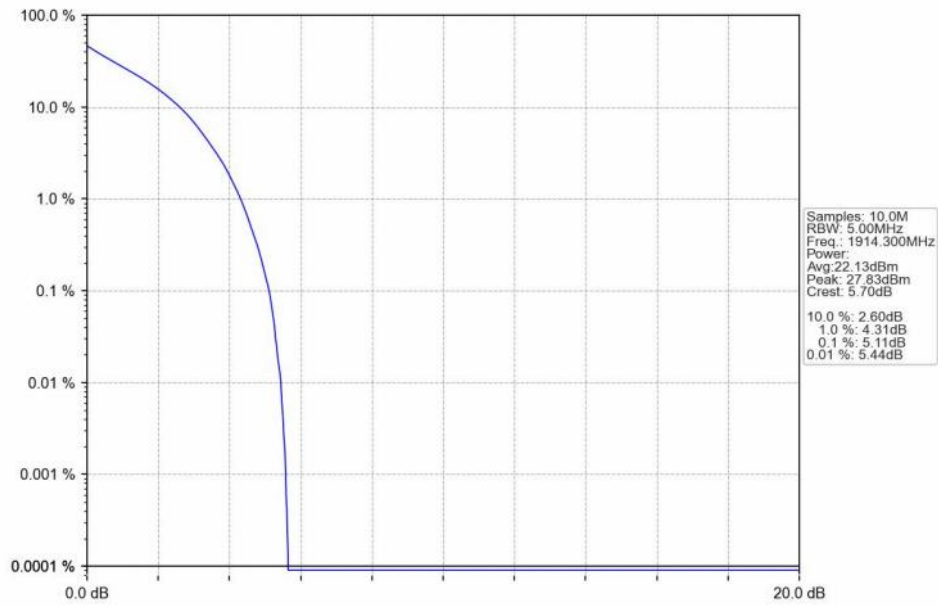
Band: 25 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	100	0	5.73	<=13	Pass
	1882.5	100	0	5.89	<=13	Pass
	1905	100	0	5.65	<=13	Pass
16QAM	1860	100	0	6.36	<=13	Pass
	1882.5	100	0	6.52	<=13	Pass
	1905	100	0	6.38	<=13	Pass

5.2 Test Graph

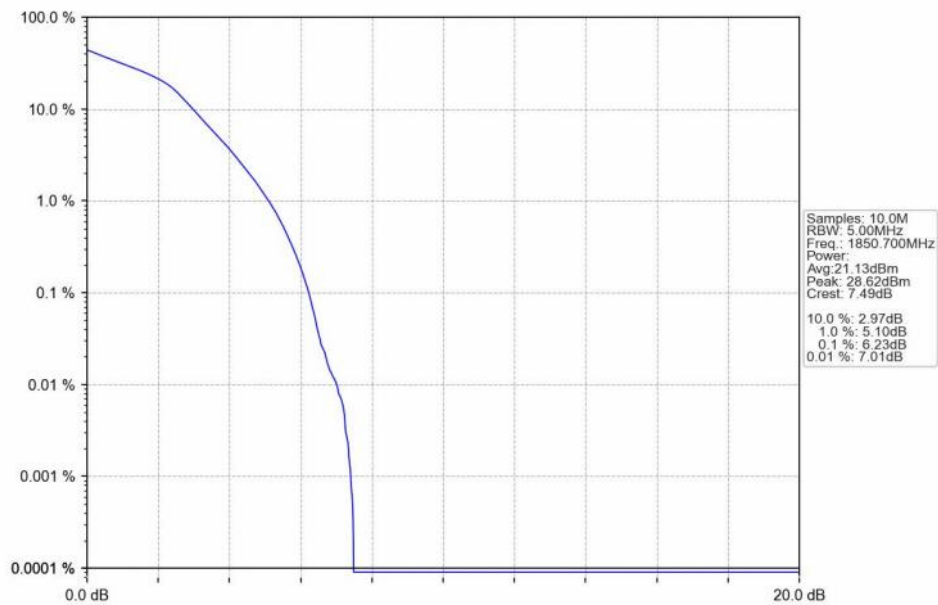
5.2.1 B25_1.4MHz



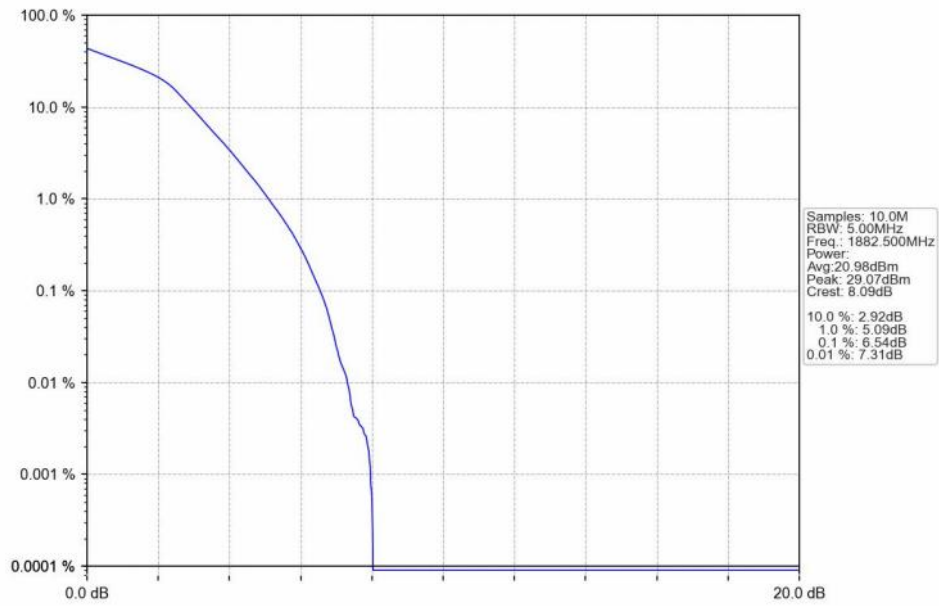
Band25_1.4MHz_QPSK_HCH_1914.3MHz_RB_6_0_NTNV



Band25_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



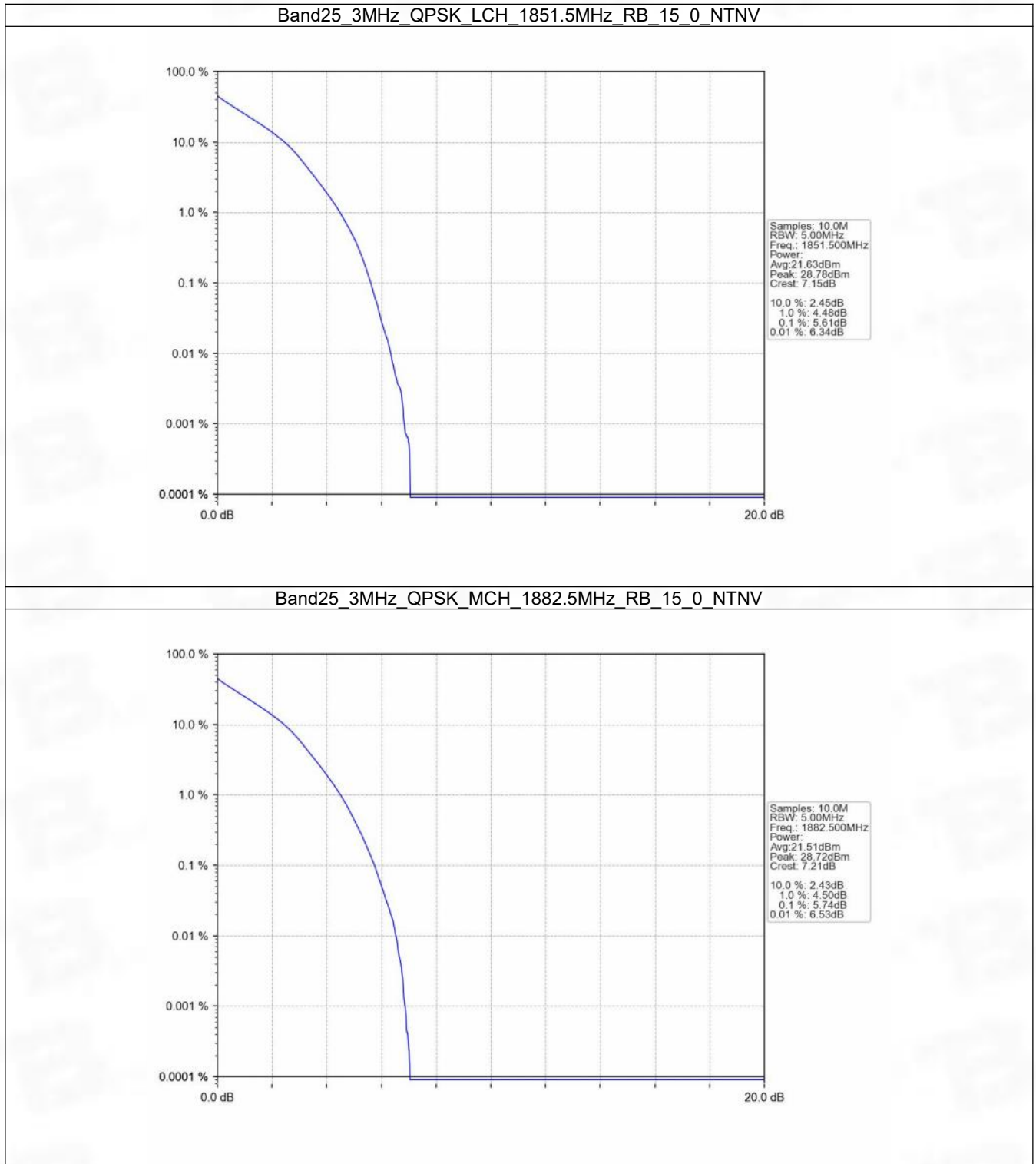
Band25_1.4MHz_16QAM_MCH_1882.5MHz_RB_6_0_NTNV



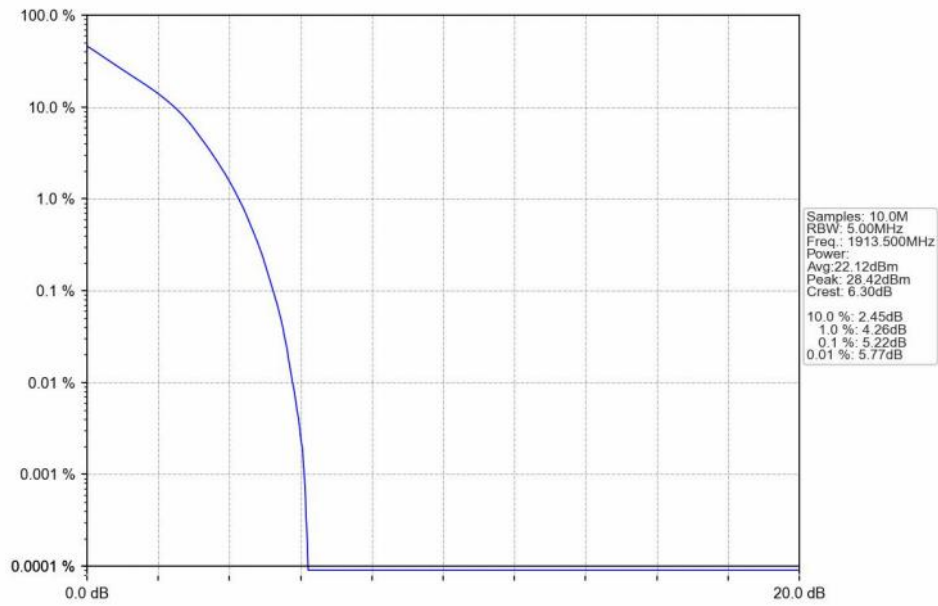
Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_6_0_NTNV



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

