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# Appendix B.14

## LTE Band 25



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1. Frequency Stability

1.1 B25\_1.4MHz

1.1.1 Test Result

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	3.8	-10.387	-0.0056	-2.5 to 2.5	Pass	
					4.0	-23.364	-0.0126	-2.5 to 2.5	Pass	
					4.2	-22.102	-0.0119	-2.5 to 2.5	Pass	
				-30	4.0	-13.150	-0.0071	-2.5 to 2.5	Pass	
					-20	4.0	-10.481	-0.0057	-2.5 to 2.5	Pass
						4.0	2.706	0.0015	-2.5 to 2.5	Pass
				-10	4.0	0.935	0.0005	-2.5 to 2.5	Pass	
					4.0	2.381	0.0013	-2.5 to 2.5	Pass	
				0	4.0	-5.748	-0.0031	-2.5 to 2.5	Pass	
					4.0	-1.536	-0.0008	-2.5 to 2.5	Pass	
	4.0	2.495	0.0013	-2.5 to 2.5	Pass					
	1882.5	6	0	20	3.8	1.120	0.0006	-2.5 to 2.5	Pass	
					4.0	5.258	0.0028	-2.5 to 2.5	Pass	
					4.2	11.634	0.0062	-2.5 to 2.5	Pass	
				-30	4.0	18.956	0.0101	-2.5 to 2.5	Pass	
					-20	4.0	8.578	0.0046	-2.5 to 2.5	Pass
						4.0	7.723	0.0041	-2.5 to 2.5	Pass
				-10	4.0	2.219	0.0012	-2.5 to 2.5	Pass	
					4.0	-0.270	-0.0001	-2.5 to 2.5	Pass	
				0	4.0	5.940	0.0032	-2.5 to 2.5	Pass	
					4.0	2.680	0.0014	-2.5 to 2.5	Pass	
	4.0	7.699	0.0041	-2.5 to 2.5	Pass					
	1914.3	6	0	20	3.8	-24.350	-0.0127	-2.5 to 2.5	Pass	
					4.0	-16.558	-0.0086	-2.5 to 2.5	Pass	
					4.2	-6.650	-0.0035	-2.5 to 2.5	Pass	
				-30	4.0	1.282	0.0007	-2.5 to 2.5	Pass	
					-20	4.0	4.281	0.0022	-2.5 to 2.5	Pass
						4.0	7.266	0.0038	-2.5 to 2.5	Pass
				-10	4.0	-6.454	-0.0034	-2.5 to 2.5	Pass	
					4.0	5.801	0.0030	-2.5 to 2.5	Pass	
0				4.0	6.124	0.0032	-2.5 to 2.5	Pass		
				4.0	3.928	0.0021	-2.5 to 2.5	Pass		
4.0	-2.437	-0.0013	-2.5 to 2.5	Pass						
16QAM	1850.7	6	0	20	3.8	-2.682	-0.0014	-2.5 to 2.5	Pass	
					4.0	0.058	0.0000	-2.5 to 2.5	Pass	
					4.2	-3.766	-0.0020	-2.5 to 2.5	Pass	
				-30	4.0	2.798	0.0015	-2.5 to 2.5	Pass	
					4.0	-1.748	-0.0009	-2.5 to 2.5	Pass	
				-10	4.0	5.677	0.0031	-2.5 to 2.5	Pass	
0	4.0	-8.083	-0.0044	-2.5 to 2.5	Pass					



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64QAM	1882.5	6	0	10	4.0	2.937	0.0016	-2.5 to 2.5	Pass
				30	4.0	4.692	0.0025	-2.5 to 2.5	Pass
				40	4.0	4.387	0.0024	-2.5 to 2.5	Pass
				50	4.0	-4.955	-0.0027	-2.5 to 2.5	Pass
				20	3.8	-5.954	-0.0032	-2.5 to 2.5	Pass
	1914.3	6	0	20	4.0	-7.113	-0.0038	-2.5 to 2.5	Pass
				4.2	2.021	0.0011	-2.5 to 2.5	Pass	
				-30	4.0	-2.803	-0.0015	-2.5 to 2.5	Pass
				-20	4.0	-2.417	-0.0013	-2.5 to 2.5	Pass
				-10	4.0	-8.944	-0.0048	-2.5 to 2.5	Pass
				0	4.0	0.585	0.0003	-2.5 to 2.5	Pass
				10	4.0	3.942	0.0021	-2.5 to 2.5	Pass
				30	4.0	5.479	0.0029	-2.5 to 2.5	Pass
				40	4.0	4.840	0.0026	-2.5 to 2.5	Pass
				50	4.0	0.221	0.0001	-2.5 to 2.5	Pass
				20	3.8	-1.493	-0.0008	-2.5 to 2.5	Pass
				4.0	-3.534	-0.0018	-2.5 to 2.5	Pass	
				4.2	-2.726	-0.0014	-2.5 to 2.5	Pass	
				-30	4.0	0.856	0.0004	-2.5 to 2.5	Pass
				-20	4.0	3.883	0.0020	-2.5 to 2.5	Pass
-10	4.0	-5.036	-0.0026	-2.5 to 2.5	Pass				
0	4.0	1.758	0.0009	-2.5 to 2.5	Pass				
10	4.0	1.344	0.0007	-2.5 to 2.5	Pass				
30	4.0	-3.746	-0.0020	-2.5 to 2.5	Pass				
40	4.0	0.773	0.0004	-2.5 to 2.5	Pass				
50	4.0	4.137	0.0022	-2.5 to 2.5	Pass				
1850.7	6	0	20	3.8	-2.742	-0.0015	-2.5 to 2.5	Pass	
			4.0	6.467	0.0035	-2.5 to 2.5	Pass		
			4.2	-4.078	-0.0022	-2.5 to 2.5	Pass		
			-30	4.0	-4.945	-0.0027	-2.5 to 2.5	Pass	
			-20	4.0	-5.878	-0.0032	-2.5 to 2.5	Pass	
			-10	4.0	3.245	0.0018	-2.5 to 2.5	Pass	
			0	4.0	2.472	0.0013	-2.5 to 2.5	Pass	
			10	4.0	-2.452	-0.0013	-2.5 to 2.5	Pass	
			30	4.0	4.876	0.0026	-2.5 to 2.5	Pass	
			40	4.0	-2.816	-0.0015	-2.5 to 2.5	Pass	
	50	4.0	-6.331	-0.0034	-2.5 to 2.5	Pass			
	1882.5	6	0	20	3.8	4.341	0.0023	-2.5 to 2.5	Pass
				4.0	-10.688	-0.0057	-2.5 to 2.5	Pass	
				4.2	-6.559	-0.0035	-2.5 to 2.5	Pass	
				-30	4.0	-8.354	-0.0044	-2.5 to 2.5	Pass
				-20	4.0	0.194	0.0001	-2.5 to 2.5	Pass
				-10	4.0	8.113	0.0043	-2.5 to 2.5	Pass
				0	4.0	5.783	0.0031	-2.5 to 2.5	Pass
				10	4.0	6.946	0.0037	-2.5 to 2.5	Pass
				30	4.0	-1.225	-0.0007	-2.5 to 2.5	Pass
40				4.0	-9.608	-0.0051	-2.5 to 2.5	Pass	
50	4.0	-3.169	-0.0017	-2.5 to 2.5	Pass				
1914.3	6	0	20	3.8	-0.452	-0.0002	-2.5 to 2.5	Pass	
			4.0	-0.467	-0.0002	-2.5 to 2.5	Pass		



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				4.2	4.408	0.0023	-2.5 to 2.5	Pass	
				-30	4.0	6.238	0.0033	-2.5 to 2.5	Pass
				-20	4.0	-5.060	-0.0026	-2.5 to 2.5	Pass
				-10	4.0	2.166	0.0011	-2.5 to 2.5	Pass
				0	4.0	3.077	0.0016	-2.5 to 2.5	Pass
				10	4.0	6.000	0.0031	-2.5 to 2.5	Pass
				30	4.0	0.726	0.0004	-2.5 to 2.5	Pass
				40	4.0	1.918	0.0010	-2.5 to 2.5	Pass
				50	4.0	-5.758	-0.0030	-2.5 to 2.5	Pass



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1.2 B25\_3MHz

1.2.1 Test Result

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	3.8	3.982	0.0022	-2.5 to 2.5	Pass	
					4.0	8.551	0.0046	-2.5 to 2.5	Pass	
					4.2	7.070	0.0038	-2.5 to 2.5	Pass	
				-30	4.0	-2.183	-0.0012	-2.5 to 2.5	Pass	
					-20	4.0	1.659	0.0009	-2.5 to 2.5	Pass
						-10	4.0	8.999	0.0049	-2.5 to 2.5
				0	4.0	-3.705	-0.0020	-2.5 to 2.5	Pass	
					10	4.0	4.258	0.0023	-2.5 to 2.5	Pass
				30	4.0	4.236	0.0023	-2.5 to 2.5	Pass	
	40	4.0	-3.218	-0.0017	-2.5 to 2.5	Pass				
	50	4.0	-5.154	-0.0028	-2.5 to 2.5	Pass				
	1882.5	15	0	20	3.8	2.385	0.0013	-2.5 to 2.5	Pass	
					4.0	0.775	0.0004	-2.5 to 2.5	Pass	
					4.2	3.635	0.0019	-2.5 to 2.5	Pass	
				-30	4.0	9.009	0.0048	-2.5 to 2.5	Pass	
					-20	4.0	2.318	0.0012	-2.5 to 2.5	Pass
						-10	4.0	3.963	0.0021	-2.5 to 2.5
				0	4.0	-9.868	-0.0052	-2.5 to 2.5	Pass	
					10	4.0	6.285	0.0033	-2.5 to 2.5	Pass
				30	4.0	-9.247	-0.0049	-2.5 to 2.5	Pass	
	40	4.0	-8.751	-0.0046	-2.5 to 2.5	Pass				
	50	4.0	0.331	0.0002	-2.5 to 2.5	Pass				
	1913.5	15	0	20	3.8	2.337	0.0012	-2.5 to 2.5	Pass	
					4.0	-4.380	-0.0023	-2.5 to 2.5	Pass	
					4.2	-4.338	-0.0023	-2.5 to 2.5	Pass	
				-30	4.0	7.021	0.0037	-2.5 to 2.5	Pass	
					-20	4.0	-3.772	-0.0020	-2.5 to 2.5	Pass
-10						4.0	0.377	0.0002	-2.5 to 2.5	Pass
0				4.0	1.310	0.0007	-2.5 to 2.5	Pass		
				10	4.0	-1.898	-0.0010	-2.5 to 2.5	Pass	
30				4.0	1.418	0.0007	-2.5 to 2.5	Pass		
40	4.0	-0.515	-0.0003	-2.5 to 2.5	Pass					
50	4.0	-0.501	-0.0003	-2.5 to 2.5	Pass					
16QAM	1851.5	15	0	20	3.8	-5.229	-0.0028	-2.5 to 2.5	Pass	
					4.0	-3.703	-0.0020	-2.5 to 2.5	Pass	
					4.2	-6.851	-0.0037	-2.5 to 2.5	Pass	
				-30	4.0	3.081	0.0017	-2.5 to 2.5	Pass	
					-20	4.0	-2.515	-0.0014	-2.5 to 2.5	Pass
						-10	4.0	-6.879	-0.0037	-2.5 to 2.5
				0	4.0	4.636	0.0025	-2.5 to 2.5	Pass	
					10	4.0	0.642	0.0003	-2.5 to 2.5	Pass
				30	4.0	-3.499	-0.0019	-2.5 to 2.5	Pass	



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				50	4.0	4.058	0.0022	-2.5 to 2.5	Pass
				20	3.8	-0.910	-0.0005	-2.5 to 2.5	Pass
					4.0	-3.099	-0.0016	-2.5 to 2.5	Pass
					4.2	-8.068	-0.0043	-2.5 to 2.5	Pass
				-30	4.0	6.364	0.0034	-2.5 to 2.5	Pass
				-20	4.0	4.949	0.0026	-2.5 to 2.5	Pass
				-10	4.0	-8.476	-0.0045	-2.5 to 2.5	Pass
				0	4.0	-8.531	-0.0045	-2.5 to 2.5	Pass
				10	4.0	-0.028	0.0000	-2.5 to 2.5	Pass
				30	4.0	0.353	0.0002	-2.5 to 2.5	Pass
				40	4.0	8.421	0.0045	-2.5 to 2.5	Pass
	50	4.0	-7.045	-0.0037	-2.5 to 2.5	Pass			
	1913.5	15	0	20	3.8	6.689	0.0035	-2.5 to 2.5	Pass
					4.0	-6.886	-0.0036	-2.5 to 2.5	Pass
					4.2	-4.035	-0.0021	-2.5 to 2.5	Pass
				-30	4.0	7.557	0.0039	-2.5 to 2.5	Pass
				-20	4.0	7.214	0.0038	-2.5 to 2.5	Pass
				-10	4.0	5.815	0.0030	-2.5 to 2.5	Pass
				0	4.0	5.706	0.0030	-2.5 to 2.5	Pass
				10	4.0	3.566	0.0019	-2.5 to 2.5	Pass
				30	4.0	5.516	0.0029	-2.5 to 2.5	Pass
				40	4.0	-0.840	-0.0004	-2.5 to 2.5	Pass
				50	4.0	-6.192	-0.0032	-2.5 to 2.5	Pass
64QAM				1851.5	15	0	20	3.8	5.756
	4.0	1.943	0.0010					-2.5 to 2.5	Pass
	4.2	-3.049	-0.0016					-2.5 to 2.5	Pass
	-30	4.0	3.950				0.0021	-2.5 to 2.5	Pass
	-20	4.0	6.927				0.0037	-2.5 to 2.5	Pass
	-10	4.0	-0.779				-0.0004	-2.5 to 2.5	Pass
	0	4.0	7.178				0.0039	-2.5 to 2.5	Pass
	10	4.0	2.133				0.0012	-2.5 to 2.5	Pass
	30	4.0	9.181				0.0050	-2.5 to 2.5	Pass
	40	4.0	1.899				0.0010	-2.5 to 2.5	Pass
	50	4.0	8.553				0.0046	-2.5 to 2.5	Pass
	1882.5	15	0				20	3.8	-9.381
				4.0	-5.286	-0.0028		-2.5 to 2.5	Pass
				4.2	0.090	0.0000		-2.5 to 2.5	Pass
				-30	4.0	3.650	0.0019	-2.5 to 2.5	Pass
				-20	4.0	3.764	0.0020	-2.5 to 2.5	Pass
				-10	4.0	-2.006	-0.0011	-2.5 to 2.5	Pass
				0	4.0	-0.666	-0.0004	-2.5 to 2.5	Pass
				10	4.0	0.174	0.0001	-2.5 to 2.5	Pass
				30	4.0	-6.661	-0.0035	-2.5 to 2.5	Pass
				40	4.0	-1.938	-0.0010	-2.5 to 2.5	Pass
				50	4.0	4.250	0.0023	-2.5 to 2.5	Pass
				1913.5	15	0	20	3.8	-5.296
	4.0	0.137	0.0001					-2.5 to 2.5	Pass
4.2	3.187	0.0017	-2.5 to 2.5					Pass	
-30	4.0	-0.307	-0.0002				-2.5 to 2.5	Pass	



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				-20	4.0	-2.258	-0.0012	-2.5 to 2.5	Pass
				-10	4.0	-3.065	-0.0016	-2.5 to 2.5	Pass
				0	4.0	3.216	0.0017	-2.5 to 2.5	Pass
				10	4.0	9.097	0.0048	-2.5 to 2.5	Pass
				30	4.0	1.096	0.0006	-2.5 to 2.5	Pass
				40	4.0	1.205	0.0006	-2.5 to 2.5	Pass
				50	4.0	5.394	0.0028	-2.5 to 2.5	Pass



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1.3 B25\_5MHz

1.3.1 Test Result

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	3.8	-5.482	-0.0030	-2.5 to 2.5	Pass			
					4.0	-0.111	-0.0001	-2.5 to 2.5	Pass			
					4.2	-0.236	-0.0001	-2.5 to 2.5	Pass			
				-30	4.0	5.655	0.0031	-2.5 to 2.5	Pass			
					-20	4.0	-6.908	-0.0037	-2.5 to 2.5	Pass		
						4.0	0.995	0.0005	-2.5 to 2.5	Pass		
				-10	4.0	-4.912	-0.0027	-2.5 to 2.5	Pass			
					4.0	0.237	0.0001	-2.5 to 2.5	Pass			
				0	4.0	4.424	0.0024	-2.5 to 2.5	Pass			
					4.0	4.940	0.0027	-2.5 to 2.5	Pass			
				10	4.0	4.746	0.0026	-2.5 to 2.5	Pass			
					4.0	4.78	0.0003	-2.5 to 2.5	Pass			
				1882.5	25	0	20	3.8	5.493	0.0029	-2.5 to 2.5	Pass
								4.0	3.271	0.0017	-2.5 to 2.5	Pass
								4.2	8.438	0.0045	-2.5 to 2.5	Pass
	-30	4.0	1.282				0.0007	-2.5 to 2.5	Pass			
		-20	4.0				4.461	0.0024	-2.5 to 2.5	Pass		
			4.0				-6.503	-0.0035	-2.5 to 2.5	Pass		
	-10	4.0	4.808				0.0026	-2.5 to 2.5	Pass			
		4.0	10.769				0.0057	-2.5 to 2.5	Pass			
	0	4.0	4.438				0.0024	-2.5 to 2.5	Pass			
		4.0	-7.706				-0.0041	-2.5 to 2.5	Pass			
	10	4.0	-3.979				-0.0021	-2.5 to 2.5	Pass			
		4.0	7.197				0.0038	-2.5 to 2.5	Pass			
	1912.5	25	0				20	3.8	5.117	0.0027	-2.5 to 2.5	Pass
								4.0	3.451	0.0018	-2.5 to 2.5	Pass
								4.2	6.460	0.0034	-2.5 to 2.5	Pass
				-30	4.0	-4.157	-0.0022	-2.5 to 2.5	Pass			
					-20	4.0	-5.765	-0.0030	-2.5 to 2.5	Pass		
						4.0	3.994	0.0021	-2.5 to 2.5	Pass		
-10				4.0	-6.640	-0.0035	-2.5 to 2.5	Pass				
				4.0	-3.625	-0.0019	-2.5 to 2.5	Pass				
0				4.0	-4.652	-0.0024	-2.5 to 2.5	Pass				
				4.0	-0.634	-0.0003	-2.5 to 2.5	Pass				
16QAM				1852.5	25	0	20	3.8	5.355	0.0029	-2.5 to 2.5	Pass
								4.0	-9.364	-0.0051	-2.5 to 2.5	Pass
								4.2	-0.757	-0.0004	-2.5 to 2.5	Pass
							-30	4.0	-7.225	-0.0039	-2.5 to 2.5	Pass
								-20	4.0	-9.313	-0.0050	-2.5 to 2.5
	4.0	-3.311	-0.0018						-2.5 to 2.5	Pass		
	-10	4.0	-9.773				-0.0053	-2.5 to 2.5	Pass			
		4.0	-6.611				-0.0036	-2.5 to 2.5	Pass			



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64QAM	1882.5	25	0	40	4.0	-7.865	-0.0042	-2.5 to 2.5	Pass		
				50	4.0	3.700	0.0020	-2.5 to 2.5	Pass		
				20	3.8	6.064	0.0032	-2.5 to 2.5	Pass		
					4.0	5.087	0.0027	-2.5 to 2.5	Pass		
					4.2	9.982	0.0053	-2.5 to 2.5	Pass		
				-30	4.0	8.950	0.0048	-2.5 to 2.5	Pass		
				-20	4.0	2.892	0.0015	-2.5 to 2.5	Pass		
				-10	4.0	4.270	0.0023	-2.5 to 2.5	Pass		
				0	4.0	-5.253	-0.0028	-2.5 to 2.5	Pass		
				10	4.0	-0.553	-0.0003	-2.5 to 2.5	Pass		
				30	4.0	-9.444	-0.0050	-2.5 to 2.5	Pass		
	40	4.0	-5.447	-0.0029	-2.5 to 2.5	Pass					
	50	4.0	6.389	0.0034	-2.5 to 2.5	Pass					
	1912.5	25	0	20	3.8	-4.598	-0.0024	-2.5 to 2.5	Pass		
					4.0	-6.619	-0.0035	-2.5 to 2.5	Pass		
					4.2	-8.163	-0.0043	-2.5 to 2.5	Pass		
				-30	4.0	-0.593	-0.0003	-2.5 to 2.5	Pass		
				-20	4.0	-0.225	-0.0001	-2.5 to 2.5	Pass		
				-10	4.0	3.774	0.0020	-2.5 to 2.5	Pass		
				0	4.0	-6.707	-0.0035	-2.5 to 2.5	Pass		
				10	4.0	5.675	0.0030	-2.5 to 2.5	Pass		
				30	4.0	1.057	0.0006	-2.5 to 2.5	Pass		
				40	4.0	-0.706	-0.0004	-2.5 to 2.5	Pass		
				50	4.0	3.339	0.0017	-2.5 to 2.5	Pass		
	1852.5	25	0	20	3.8	-2.052	-0.0011	-2.5 to 2.5	Pass		
					4.0	0.711	0.0004	-2.5 to 2.5	Pass		
4.2					-1.166	-0.0006	-2.5 to 2.5	Pass			
-30				4.0	5.156	0.0028	-2.5 to 2.5	Pass			
-20				4.0	-1.828	-0.0010	-2.5 to 2.5	Pass			
-10				4.0	1.853	0.0010	-2.5 to 2.5	Pass			
0				4.0	0.572	0.0003	-2.5 to 2.5	Pass			
10				4.0	7.710	0.0042	-2.5 to 2.5	Pass			
30				4.0	-0.908	-0.0005	-2.5 to 2.5	Pass			
40				4.0	-7.995	-0.0043	-2.5 to 2.5	Pass			
50				4.0	1.132	0.0006	-2.5 to 2.5	Pass			
1882.5				25	0	20	3.8	-9.354	-0.0050	-2.5 to 2.5	Pass
							4.0	-1.471	-0.0008	-2.5 to 2.5	Pass
							4.2	-7.382	-0.0039	-2.5 to 2.5	Pass
						-30	4.0	-6.052	-0.0032	-2.5 to 2.5	Pass
						-20	4.0	-7.382	-0.0039	-2.5 to 2.5	Pass
						-10	4.0	10.685	0.0057	-2.5 to 2.5	Pass
						0	4.0	8.430	0.0045	-2.5 to 2.5	Pass
	10	4.0	4.559			0.0024	-2.5 to 2.5	Pass			
	30	4.0	3.807			0.0020	-2.5 to 2.5	Pass			
40	4.0	1.634	0.0009	-2.5 to 2.5	Pass						
50	4.0	4.739	0.0025	-2.5 to 2.5	Pass						
1912.5	25	0	20	3.8	-0.851	-0.0004	-2.5 to 2.5	Pass			
				4.0	2.400	0.0013	-2.5 to 2.5	Pass			
				4.2	-8.030	-0.0042	-2.5 to 2.5	Pass			
			-30	4.0	2.703	0.0014	-2.5 to 2.5	Pass			



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				-20	4.0	-7.132	-0.0037	-2.5 to 2.5	Pass
				-10	4.0	3.857	0.0020	-2.5 to 2.5	Pass
				0	4.0	-5.512	-0.0029	-2.5 to 2.5	Pass
				10	4.0	4.268	0.0022	-2.5 to 2.5	Pass
				30	4.0	6.934	0.0036	-2.5 to 2.5	Pass
				40	4.0	1.631	0.0009	-2.5 to 2.5	Pass
				50	4.0	-3.182	-0.0017	-2.5 to 2.5	Pass



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1.4 B25\_10MHz

1.4.1 Test Result

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	3.8	5.025	0.0027	-2.5 to 2.5	Pass			
					4.0	-7.408	-0.0040	-2.5 to 2.5	Pass			
					4.2	1.041	0.0006	-2.5 to 2.5	Pass			
				-30	4.0	-7.339	-0.0040	-2.5 to 2.5	Pass			
					-20	4.0	1.858	0.0010	-2.5 to 2.5	Pass		
						4.0	2.836	0.0015	-2.5 to 2.5	Pass		
				0	4.0	2.325	0.0013	-2.5 to 2.5	Pass			
					10	4.0	1.560	0.0008	-2.5 to 2.5	Pass		
				30	4.0	6.881	0.0037	-2.5 to 2.5	Pass			
				40	4.0	2.579	0.0014	-2.5 to 2.5	Pass			
				50	4.0	2.974	0.0016	-2.5 to 2.5	Pass			
				1882.5	50	0	20	3.8	3.633	0.0019	-2.5 to 2.5	Pass
								4.0	-2.681	-0.0014	-2.5 to 2.5	Pass
								4.2	1.896	0.0010	-2.5 to 2.5	Pass
							-30	4.0	-3.035	-0.0016	-2.5 to 2.5	Pass
	-20	4.0	-8.449					-0.0045	-2.5 to 2.5	Pass		
		4.0	3.974					0.0021	-2.5 to 2.5	Pass		
	0	4.0	-2.849				-0.0015	-2.5 to 2.5	Pass			
		10	4.0				-6.885	-0.0037	-2.5 to 2.5	Pass		
	30	4.0	9.562				0.0051	-2.5 to 2.5	Pass			
	40	4.0	-6.681				-0.0035	-2.5 to 2.5	Pass			
	50	4.0	3.448				0.0018	-2.5 to 2.5	Pass			
	1910	50	0				20	3.8	-1.488	-0.0008	-2.5 to 2.5	Pass
								4.0	-1.110	-0.0006	-2.5 to 2.5	Pass
								4.2	4.596	0.0024	-2.5 to 2.5	Pass
							-30	4.0	-2.093	-0.0011	-2.5 to 2.5	Pass
				-20	4.0	-1.425		-0.0007	-2.5 to 2.5	Pass		
					4.0	-7.257		-0.0038	-2.5 to 2.5	Pass		
				0	4.0	-4.603	-0.0024	-2.5 to 2.5	Pass			
					10	4.0	-8.407	-0.0044	-2.5 to 2.5	Pass		
30				4.0	-9.325	-0.0049	-2.5 to 2.5	Pass				
40				4.0	-6.483	-0.0034	-2.5 to 2.5	Pass				
50				4.0	4.061	0.0021	-2.5 to 2.5	Pass				
16QAM				1855	50	0	20	3.8	-5.554	-0.0030	-2.5 to 2.5	Pass
								4.0	-1.912	-0.0010	-2.5 to 2.5	Pass
								4.2	4.004	0.0022	-2.5 to 2.5	Pass
							-30	4.0	-3.621	-0.0020	-2.5 to 2.5	Pass
	-20	4.0	-6.809					-0.0037	-2.5 to 2.5	Pass		
		4.0	1.548					0.0008	-2.5 to 2.5	Pass		
	0	4.0	-1.262				-0.0007	-2.5 to 2.5	Pass			
		10	4.0				-8.607	-0.0046	-2.5 to 2.5	Pass		
	30	4.0	-5.291				-0.0029	-2.5 to 2.5	Pass			



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	1882.5	50	0	40	4.0	-7.608	-0.0041	-2.5 to 2.5	Pass
				50	4.0	-2.613	-0.0014	-2.5 to 2.5	Pass
				20	3.8	-6.786	-0.0036	-2.5 to 2.5	Pass
					4.0	-9.200	-0.0049	-2.5 to 2.5	Pass
					4.2	7.028	0.0037	-2.5 to 2.5	Pass
				-30	4.0	-8.034	-0.0043	-2.5 to 2.5	Pass
				-20	4.0	9.267	0.0049	-2.5 to 2.5	Pass
				-10	4.0	-3.679	-0.0020	-2.5 to 2.5	Pass
				0	4.0	1.721	0.0009	-2.5 to 2.5	Pass
				10	4.0	3.366	0.0018	-2.5 to 2.5	Pass
	30	4.0	8.788	0.0047	-2.5 to 2.5	Pass			
	40	4.0	-2.547	-0.0014	-2.5 to 2.5	Pass			
	50	4.0	-4.456	-0.0024	-2.5 to 2.5	Pass			
	1910	50	0	20	3.8	-3.138	-0.0016	-2.5 to 2.5	Pass
					4.0	5.227	0.0027	-2.5 to 2.5	Pass
					4.2	-0.902	-0.0005	-2.5 to 2.5	Pass
				-30	4.0	-3.047	-0.0016	-2.5 to 2.5	Pass
				-20	4.0	7.244	0.0038	-2.5 to 2.5	Pass
				-10	4.0	0.688	0.0004	-2.5 to 2.5	Pass
				0	4.0	3.726	0.0020	-2.5 to 2.5	Pass
10				4.0	6.658	0.0035	-2.5 to 2.5	Pass	
30				4.0	-2.055	-0.0011	-2.5 to 2.5	Pass	
40				4.0	-8.678	-0.0045	-2.5 to 2.5	Pass	
50	4.0	-6.384	-0.0033	-2.5 to 2.5	Pass				
64QAM	1855	50	0	20	3.8	-0.334	-0.0002	-2.5 to 2.5	Pass
					4.0	3.481	0.0019	-2.5 to 2.5	Pass
					4.2	-5.221	-0.0028	-2.5 to 2.5	Pass
				-30	4.0	-8.971	-0.0048	-2.5 to 2.5	Pass
				-20	4.0	-1.571	-0.0008	-2.5 to 2.5	Pass
				-10	4.0	-3.548	-0.0019	-2.5 to 2.5	Pass
				0	4.0	-5.805	-0.0031	-2.5 to 2.5	Pass
				10	4.0	-9.642	-0.0052	-2.5 to 2.5	Pass
				30	4.0	3.170	0.0017	-2.5 to 2.5	Pass
				40	4.0	-0.380	-0.0002	-2.5 to 2.5	Pass
	50	4.0	-4.039	-0.0022	-2.5 to 2.5	Pass			
	1882.5	50	0	20	3.8	-6.583	-0.0035	-2.5 to 2.5	Pass
					4.0	9.609	0.0051	-2.5 to 2.5	Pass
					4.2	-1.503	-0.0008	-2.5 to 2.5	Pass
				-30	4.0	8.146	0.0043	-2.5 to 2.5	Pass
				-20	4.0	5.211	0.0028	-2.5 to 2.5	Pass
				-10	4.0	9.412	0.0050	-2.5 to 2.5	Pass
				0	4.0	-0.894	-0.0005	-2.5 to 2.5	Pass
				10	4.0	-6.087	-0.0032	-2.5 to 2.5	Pass
				30	4.0	-5.708	-0.0030	-2.5 to 2.5	Pass
40				4.0	8.176	0.0043	-2.5 to 2.5	Pass	
50	4.0	1.654	0.0009	-2.5 to 2.5	Pass				
1910	50	0	20	3.8	-7.843	-0.0041	-2.5 to 2.5	Pass	
				4.0	5.061	0.0026	-2.5 to 2.5	Pass	
				4.2	3.791	0.0020	-2.5 to 2.5	Pass	
			-30	4.0	7.076	0.0037	-2.5 to 2.5	Pass	



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				-20	4.0	-8.808	-0.0046	-2.5 to 2.5	Pass
				-10	4.0	-5.988	-0.0031	-2.5 to 2.5	Pass
				0	4.0	1.895	0.0010	-2.5 to 2.5	Pass
				10	4.0	-7.202	-0.0038	-2.5 to 2.5	Pass
				30	4.0	-2.988	-0.0016	-2.5 to 2.5	Pass
				40	4.0	1.971	0.0010	-2.5 to 2.5	Pass
				50	4.0	7.217	0.0038	-2.5 to 2.5	Pass



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1.5 B25\_15MHz

1.5.1 Test Result

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	3.8	3.298	0.0018	-2.5 to 2.5	Pass	
					4.0	5.262	0.0028	-2.5 to 2.5	Pass	
					4.2	7.278	0.0039	-2.5 to 2.5	Pass	
				-30	4.0	-4.871	-0.0026	-2.5 to 2.5	Pass	
					-20	4.0	-3.237	-0.0017	-2.5 to 2.5	Pass
						-10	4.0	-7.252	-0.0039	-2.5 to 2.5
				0	4.0	-7.064	-0.0038	-2.5 to 2.5	Pass	
					10	4.0	8.987	0.0048	-2.5 to 2.5	Pass
				30	4.0	8.023	0.0043	-2.5 to 2.5	Pass	
	40	4.0	-5.058	-0.0027	-2.5 to 2.5	Pass				
	50	4.0	0.492	0.0003	-2.5 to 2.5	Pass				
	1882.5	75	0	20	3.8	-3.365	-0.0018	-2.5 to 2.5	Pass	
					4.0	6.807	0.0036	-2.5 to 2.5	Pass	
					4.2	2.851	0.0015	-2.5 to 2.5	Pass	
				-30	4.0	5.701	0.0030	-2.5 to 2.5	Pass	
					-20	4.0	-1.738	-0.0009	-2.5 to 2.5	Pass
						-10	4.0	-5.905	-0.0031	-2.5 to 2.5
				0	4.0	-6.172	-0.0033	-2.5 to 2.5	Pass	
					10	4.0	3.204	0.0017	-2.5 to 2.5	Pass
				30	4.0	6.997	0.0037	-2.5 to 2.5	Pass	
	40	4.0	-4.343	-0.0023	-2.5 to 2.5	Pass				
	50	4.0	-1.939	-0.0010	-2.5 to 2.5	Pass				
	1907.5	75	0	20	3.8	3.873	0.0020	-2.5 to 2.5	Pass	
					4.0	6.916	0.0036	-2.5 to 2.5	Pass	
					4.2	3.857	0.0020	-2.5 to 2.5	Pass	
				-30	4.0	3.632	0.0019	-2.5 to 2.5	Pass	
					-20	4.0	-0.783	-0.0004	-2.5 to 2.5	Pass
-10						4.0	6.806	0.0036	-2.5 to 2.5	Pass
0				4.0	7.226	0.0038	-2.5 to 2.5	Pass		
				10	4.0	0.321	0.0002	-2.5 to 2.5	Pass	
30				4.0	-1.521	-0.0008	-2.5 to 2.5	Pass		
40	4.0	2.102	0.0011	-2.5 to 2.5	Pass					
50	4.0	-7.575	-0.0040	-2.5 to 2.5	Pass					
16QAM	1857.5	75	0	20	3.8	2.841	0.0015	-2.5 to 2.5	Pass	
					4.0	6.599	0.0036	-2.5 to 2.5	Pass	
					4.2	-0.696	-0.0004	-2.5 to 2.5	Pass	
				-30	4.0	1.091	0.0006	-2.5 to 2.5	Pass	
					-20	4.0	4.270	0.0023	-2.5 to 2.5	Pass
						-10	4.0	8.827	0.0048	-2.5 to 2.5
				0	4.0	8.288	0.0045	-2.5 to 2.5	Pass	
					10	4.0	-5.021	-0.0027	-2.5 to 2.5	Pass
				30	4.0	2.423	0.0013	-2.5 to 2.5	Pass	



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	1882.5	75	0	40	4.0	6.006	0.0032	-2.5 to 2.5	Pass			
				50	4.0	-0.645	-0.0003	-2.5 to 2.5	Pass			
				20	3.8	-8.344	-0.0044	-2.5 to 2.5	Pass			
					4.0	1.165	0.0006	-2.5 to 2.5	Pass			
					4.2	-8.450	-0.0045	-2.5 to 2.5	Pass			
				-30	4.0	2.034	0.0011	-2.5 to 2.5	Pass			
				-20	4.0	7.606	0.0040	-2.5 to 2.5	Pass			
				-10	4.0	5.021	0.0027	-2.5 to 2.5	Pass			
				0	4.0	5.698	0.0030	-2.5 to 2.5	Pass			
				10	4.0	-4.652	-0.0025	-2.5 to 2.5	Pass			
				30	4.0	-3.225	-0.0017	-2.5 to 2.5	Pass			
				40	4.0	3.955	0.0021	-2.5 to 2.5	Pass			
				50	4.0	-8.214	-0.0044	-2.5 to 2.5	Pass			
				1907.5	75	0	20	3.8	-3.532	-0.0019	-2.5 to 2.5	Pass
	4.0	0.928	0.0005					-2.5 to 2.5	Pass			
	4.2	1.520	0.0008					-2.5 to 2.5	Pass			
	-30	4.0	7.137				0.0037	-2.5 to 2.5	Pass			
	-20	4.0	-8.904				-0.0047	-2.5 to 2.5	Pass			
	-10	4.0	0.721				0.0004	-2.5 to 2.5	Pass			
	0	4.0	-7.409				-0.0039	-2.5 to 2.5	Pass			
	10	4.0	1.842				0.0010	-2.5 to 2.5	Pass			
	30	4.0	0.152				0.0001	-2.5 to 2.5	Pass			
	40	4.0	5.644				0.0030	-2.5 to 2.5	Pass			
	50	4.0	8.929				0.0047	-2.5 to 2.5	Pass			
	64QAM	1857.5	75				0	20	3.8	-1.100	-0.0006	-2.5 to 2.5
				4.0	-7.909	-0.0043			-2.5 to 2.5	Pass		
4.2				-0.870	-0.0005	-2.5 to 2.5			Pass			
-30				4.0	1.996	0.0011		-2.5 to 2.5	Pass			
-20				4.0	0.707	0.0004		-2.5 to 2.5	Pass			
-10				4.0	-8.319	-0.0045		-2.5 to 2.5	Pass			
0				4.0	3.222	0.0017		-2.5 to 2.5	Pass			
10				4.0	-7.007	-0.0038		-2.5 to 2.5	Pass			
30				4.0	4.426	0.0024		-2.5 to 2.5	Pass			
40				4.0	1.739	0.0009		-2.5 to 2.5	Pass			
50				4.0	2.426	0.0013		-2.5 to 2.5	Pass			
1882.5				75	0	20		3.8	4.543	0.0024	-2.5 to 2.5	Pass
								4.0	-1.409	-0.0007	-2.5 to 2.5	Pass
								4.2	-11.227	-0.0060	-2.5 to 2.5	Pass
		-30	4.0			8.629	0.0046	-2.5 to 2.5	Pass			
		-20	4.0			-3.230	-0.0017	-2.5 to 2.5	Pass			
		-10	4.0			8.302	0.0044	-2.5 to 2.5	Pass			
		0	4.0			-6.140	-0.0033	-2.5 to 2.5	Pass			
		10	4.0			8.322	0.0044	-2.5 to 2.5	Pass			
		30	4.0			-9.632	-0.0051	-2.5 to 2.5	Pass			
		40	4.0			-10.339	-0.0055	-2.5 to 2.5	Pass			
		50	4.0			6.788	0.0036	-2.5 to 2.5	Pass			
		1907.5	75			0	20	3.8	4.349	0.0023	-2.5 to 2.5	Pass
4.0				8.124	0.0043			-2.5 to 2.5	Pass			
4.2				2.414	0.0013			-2.5 to 2.5	Pass			
-30				4.0	1.374		0.0007	-2.5 to 2.5	Pass			



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				-20	4.0	-7.743	-0.0041	-2.5 to 2.5	Pass
				-10	4.0	3.590	0.0019	-2.5 to 2.5	Pass
				0	4.0	5.388	0.0028	-2.5 to 2.5	Pass
				10	4.0	7.076	0.0037	-2.5 to 2.5	Pass
				30	4.0	0.689	0.0004	-2.5 to 2.5	Pass
				40	4.0	-8.329	-0.0044	-2.5 to 2.5	Pass
				50	4.0	-2.883	-0.0015	-2.5 to 2.5	Pass



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1.6 B25\_20MHz

1.6.1 Test Result

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	3.8	3.686	0.0020	-2.5 to 2.5	Pass			
					4.0	5.161	0.0028	-2.5 to 2.5	Pass			
					4.2	-8.207	-0.0044	-2.5 to 2.5	Pass			
				-30	4.0	1.201	0.0006	-2.5 to 2.5	Pass			
				-20	4.0	7.956	0.0043	-2.5 to 2.5	Pass			
				-10	4.0	5.982	0.0032	-2.5 to 2.5	Pass			
				0	4.0	1.434	0.0008	-2.5 to 2.5	Pass			
				10	4.0	-3.195	-0.0017	-2.5 to 2.5	Pass			
				30	4.0	-7.228	-0.0039	-2.5 to 2.5	Pass			
				40	4.0	-7.529	-0.0040	-2.5 to 2.5	Pass			
				50	4.0	-2.388	-0.0013	-2.5 to 2.5	Pass			
				1882.5	100	0	20	3.8	-6.500	-0.0035	-2.5 to 2.5	Pass
								4.0	4.237	0.0023	-2.5 to 2.5	Pass
								4.2	0.485	0.0003	-2.5 to 2.5	Pass
							-30	4.0	-4.256	-0.0023	-2.5 to 2.5	Pass
	-20	4.0	-3.045				-0.0016	-2.5 to 2.5	Pass			
	-10	4.0	7.984				0.0042	-2.5 to 2.5	Pass			
	0	4.0	5.318				0.0028	-2.5 to 2.5	Pass			
	10	4.0	5.072				0.0027	-2.5 to 2.5	Pass			
	30	4.0	-2.550				-0.0014	-2.5 to 2.5	Pass			
	40	4.0	6.190				0.0033	-2.5 to 2.5	Pass			
	50	4.0	-7.254				-0.0039	-2.5 to 2.5	Pass			
	1905	100	0				20	3.8	0.809	0.0004	-2.5 to 2.5	Pass
								4.0	6.718	0.0035	-2.5 to 2.5	Pass
								4.2	-5.074	-0.0027	-2.5 to 2.5	Pass
							-30	4.0	-5.762	-0.0030	-2.5 to 2.5	Pass
				-20	4.0	-7.744	-0.0041	-2.5 to 2.5	Pass			
				-10	4.0	1.590	0.0008	-2.5 to 2.5	Pass			
				0	4.0	-5.296	-0.0028	-2.5 to 2.5	Pass			
				10	4.0	1.762	0.0009	-2.5 to 2.5	Pass			
30				4.0	-0.082	0.0000	-2.5 to 2.5	Pass				
40				4.0	5.496	0.0029	-2.5 to 2.5	Pass				
50				4.0	0.502	0.0003	-2.5 to 2.5	Pass				
16QAM				1860	100	0	20	3.8	-8.974	-0.0048	-2.5 to 2.5	Pass
								4.0	6.408	0.0034	-2.5 to 2.5	Pass
								4.2	8.339	0.0045	-2.5 to 2.5	Pass
							-30	4.0	-2.202	-0.0012	-2.5 to 2.5	Pass
	-20	4.0	2.225				0.0012	-2.5 to 2.5	Pass			
	-10	4.0	-5.856				-0.0031	-2.5 to 2.5	Pass			
	0	4.0	-0.594				-0.0003	-2.5 to 2.5	Pass			
	10	4.0	-8.056				-0.0043	-2.5 to 2.5	Pass			
	30	4.0	-1.344				-0.0007	-2.5 to 2.5	Pass			



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64QAM	1882.5	100	0	40	4.0	-8.822	-0.0047	-2.5 to 2.5	Pass			
				50	4.0	-1.009	-0.0005	-2.5 to 2.5	Pass			
				20	3.8	-8.221	-0.0044	-2.5 to 2.5	Pass			
					4.0	-5.008	-0.0027	-2.5 to 2.5	Pass			
					4.2	-4.021	-0.0021	-2.5 to 2.5	Pass			
				-30	4.0	-7.233	-0.0038	-2.5 to 2.5	Pass			
				-20	4.0	5.720	0.0030	-2.5 to 2.5	Pass			
				-10	4.0	3.255	0.0017	-2.5 to 2.5	Pass			
				0	4.0	1.673	0.0009	-2.5 to 2.5	Pass			
				10	4.0	-7.250	-0.0039	-2.5 to 2.5	Pass			
				30	4.0	-11.764	-0.0062	-2.5 to 2.5	Pass			
				40	4.0	-0.101	-0.0001	-2.5 to 2.5	Pass			
				50	4.0	7.262	0.0039	-2.5 to 2.5	Pass			
				1905	100	0	20	3.8	-0.122	-0.0001	-2.5 to 2.5	Pass
	4.0	-4.427	-0.0023					-2.5 to 2.5	Pass			
	4.2	5.631	0.0030					-2.5 to 2.5	Pass			
	-30	4.0	-0.303				-0.0002	-2.5 to 2.5	Pass			
	-20	4.0	-3.360				-0.0018	-2.5 to 2.5	Pass			
	-10	4.0	-0.079				0.0000	-2.5 to 2.5	Pass			
	0	4.0	-8.759				-0.0046	-2.5 to 2.5	Pass			
	10	4.0	1.836				0.0010	-2.5 to 2.5	Pass			
	30	4.0	-6.741				-0.0035	-2.5 to 2.5	Pass			
	40	4.0	1.920				0.0010	-2.5 to 2.5	Pass			
	50	4.0	-6.150				-0.0032	-2.5 to 2.5	Pass			
	1860	100	0				20	3.8	2.322	0.0012	-2.5 to 2.5	Pass
								4.0	-6.327	-0.0034	-2.5 to 2.5	Pass
								4.2	-2.796	-0.0015	-2.5 to 2.5	Pass
				-30	4.0	-3.363	-0.0018	-2.5 to 2.5	Pass			
-20				4.0	-3.608	-0.0019	-2.5 to 2.5	Pass				
-10				4.0	7.561	0.0041	-2.5 to 2.5	Pass				
0				4.0	3.970	0.0021	-2.5 to 2.5	Pass				
10				4.0	-5.213	-0.0028	-2.5 to 2.5	Pass				
30				4.0	6.296	0.0034	-2.5 to 2.5	Pass				
40				4.0	-7.170	-0.0039	-2.5 to 2.5	Pass				
50				4.0	1.072	0.0006	-2.5 to 2.5	Pass				
1882.5				100	0	20	3.8	5.522	0.0029	-2.5 to 2.5	Pass	
							4.0	-11.279	-0.0060	-2.5 to 2.5	Pass	
							4.2	-2.568	-0.0014	-2.5 to 2.5	Pass	
	-30	4.0	-3.122			-0.0017	-2.5 to 2.5	Pass				
	-20	4.0	-0.772			-0.0004	-2.5 to 2.5	Pass				
	-10	4.0	-1.898			-0.0010	-2.5 to 2.5	Pass				
	0	4.0	2.660			0.0014	-2.5 to 2.5	Pass				
	10	4.0	3.144			0.0017	-2.5 to 2.5	Pass				
	30	4.0	-3.702			-0.0020	-2.5 to 2.5	Pass				
	40	4.0	6.178			0.0033	-2.5 to 2.5	Pass				
	50	4.0	1.897			0.0010	-2.5 to 2.5	Pass				
	1905	100	0			20	3.8	-2.415	-0.0013	-2.5 to 2.5	Pass	
							4.0	5.768	0.0030	-2.5 to 2.5	Pass	
							4.2	-2.334	-0.0012	-2.5 to 2.5	Pass	
-30				4.0	-2.103	-0.0011	-2.5 to 2.5	Pass				



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				-20	4.0	-3.064	-0.0016	-2.5 to 2.5	Pass
				-10	4.0	-1.807	-0.0009	-2.5 to 2.5	Pass
				0	4.0	7.866	0.0041	-2.5 to 2.5	Pass
				10	4.0	-3.960	-0.0021	-2.5 to 2.5	Pass
				30	4.0	0.336	0.0002	-2.5 to 2.5	Pass
				40	4.0	-2.698	-0.0014	-2.5 to 2.5	Pass
				50	4.0	6.677	0.0035	-2.5 to 2.5	Pass



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**2. 99% & 26dB Bandwidth**

**2.1 Band25\_OBW**

**2.1.1 Test Result**

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	1.101	/	Pass
		1882.5	6	0	1.106	/	Pass
		1914.3	6	0	1.107	/	Pass
	16QAM	1850.7	6	0	1.101	/	Pass
		1882.5	6	0	1.108	/	Pass
		1914.3	6	0	1.107	/	Pass
	64QAM	1850.7	6	0	1.110	/	Pass
		1882.5	6	0	1.098	/	Pass
		1914.3	6	0	1.102	/	Pass
3	QPSK	1851.5	15	0	2.725	/	Pass
		1882.5	15	0	2.740	/	Pass
		1913.5	15	0	2.753	/	Pass
	16QAM	1851.5	15	0	2.741	/	Pass
		1882.5	15	0	2.731	/	Pass
		1913.5	15	0	2.731	/	Pass
	64QAM	1851.5	15	0	2.753	/	Pass
		1882.5	15	0	2.730	/	Pass
		1913.5	15	0	2.741	/	Pass
5	QPSK	1852.5	25	0	4.554	/	Pass
		1882.5	25	0	4.530	/	Pass
		1912.5	25	0	4.547	/	Pass
	16QAM	1852.5	25	0	4.536	/	Pass
		1882.5	25	0	4.545	/	Pass
		1912.5	25	0	4.567	/	Pass
	64QAM	1852.5	25	0	4.535	/	Pass
		1882.5	25	0	4.560	/	Pass
		1912.5	25	0	4.542	/	Pass
10	QPSK	1855	50	0	9.022	/	Pass
		1882.5	50	0	9.035	/	Pass
		1910	50	0	9.030	/	Pass
	16QAM	1855	50	0	9.040	/	Pass
		1882.5	50	0	9.016	/	Pass
		1910	50	0	9.029	/	Pass
	64QAM	1855	50	0	9.026	/	Pass
		1882.5	50	0	9.017	/	Pass
		1910	50	0	9.042	/	Pass
15	QPSK	1857.5	75	0	13.563	/	Pass
		1882.5	75	0	13.571	/	Pass
		1907.5	75	0	13.540	/	Pass
	16QAM	1857.5	75	0	13.565	/	Pass



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	64QAM	1882.5	75	0	13.543	/	Pass
		1907.5	75	0	13.575	/	Pass
		1857.5	75	0	13.560	/	Pass
		1882.5	75	0	13.569	/	Pass
		1907.5	75	0	13.589	/	Pass
20	QPSK	1860	100	0	18.050	/	Pass
		1882.5	100	0	18.064	/	Pass
		1905	100	0	18.115	/	Pass
	16QAM	1860	100	0	18.078	/	Pass
		1882.5	100	0	18.078	/	Pass
		1905	100	0	18.103	/	Pass
	64QAM	1860	100	0	17.992	/	Pass
		1882.5	100	0	18.073	/	Pass
		1905	100	0	18.070	/	Pass



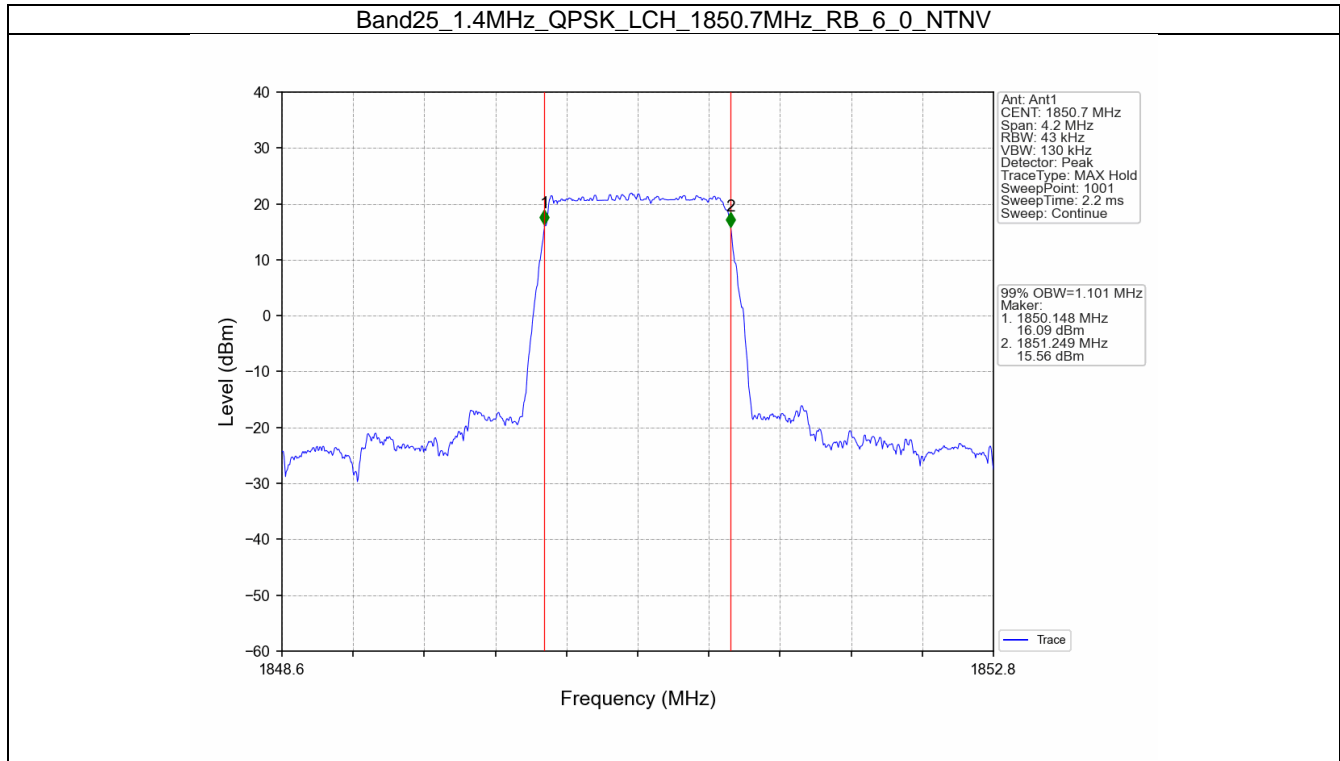
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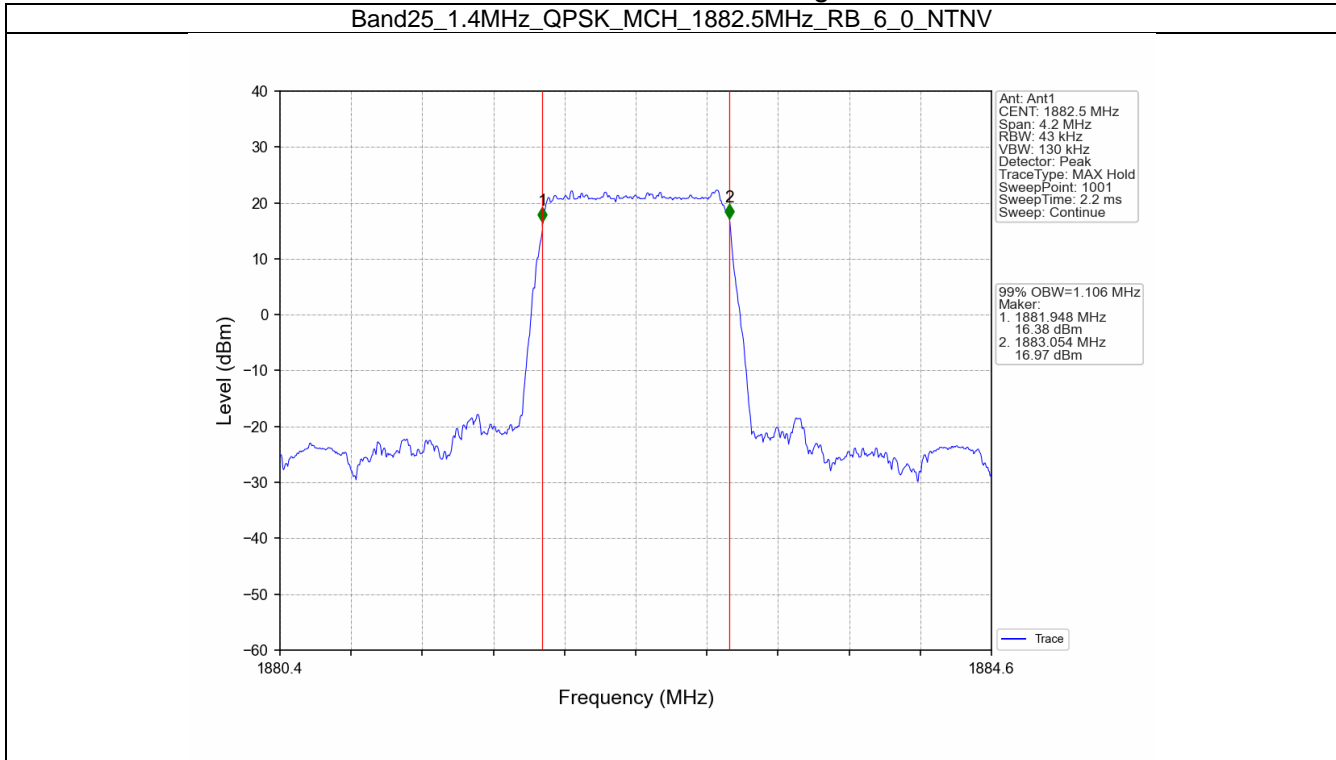
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2.1.2 Test Graph



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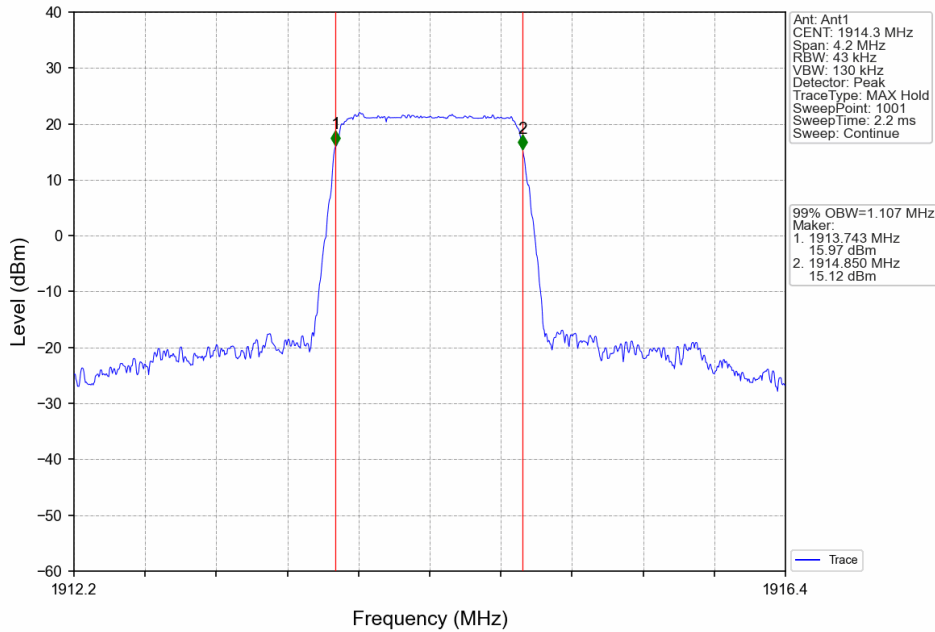


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Band25\_1.4MHz\_QPSK\_HCH\_1914.3MHz\_RB\_6\_0\_NTNV



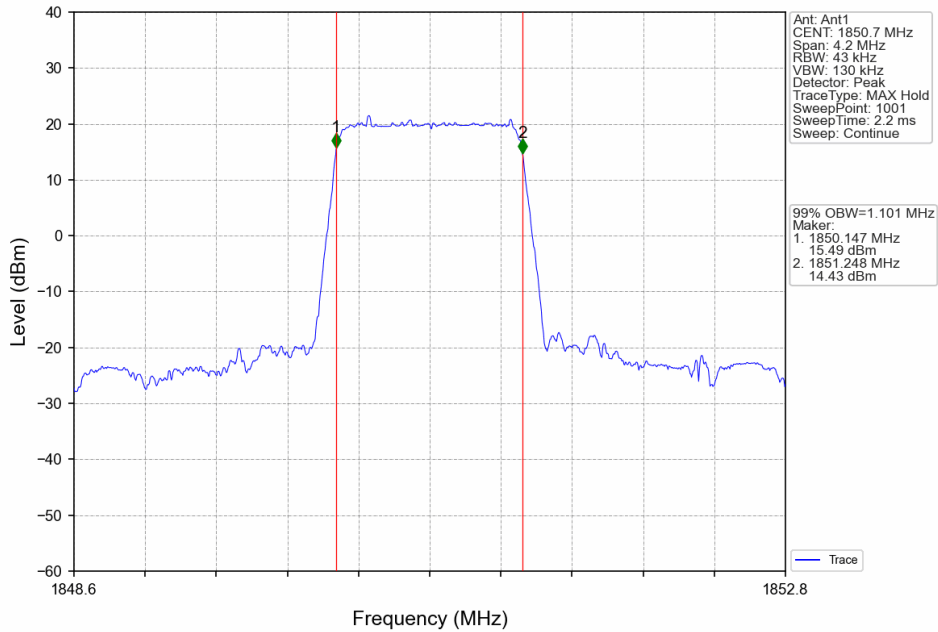
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Band25\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV

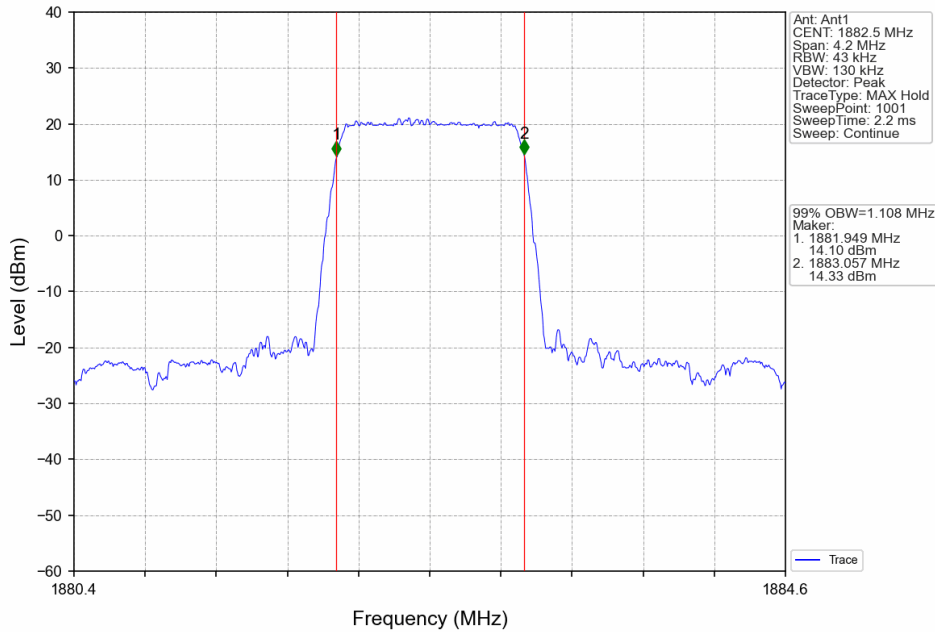


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Band25\_1.4MHz\_16QAM\_MCH\_1882.5MHz\_RB\_6\_0\_NTNV

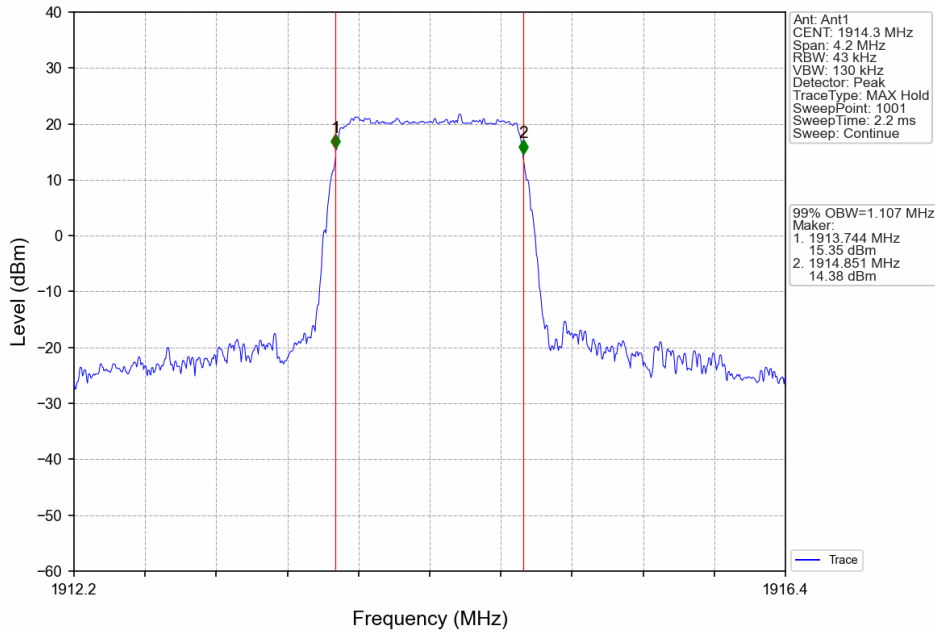


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Band25\_1.4MHz\_16QAM\_HCH\_1914.3MHz\_RB\_6\_0\_NTNV



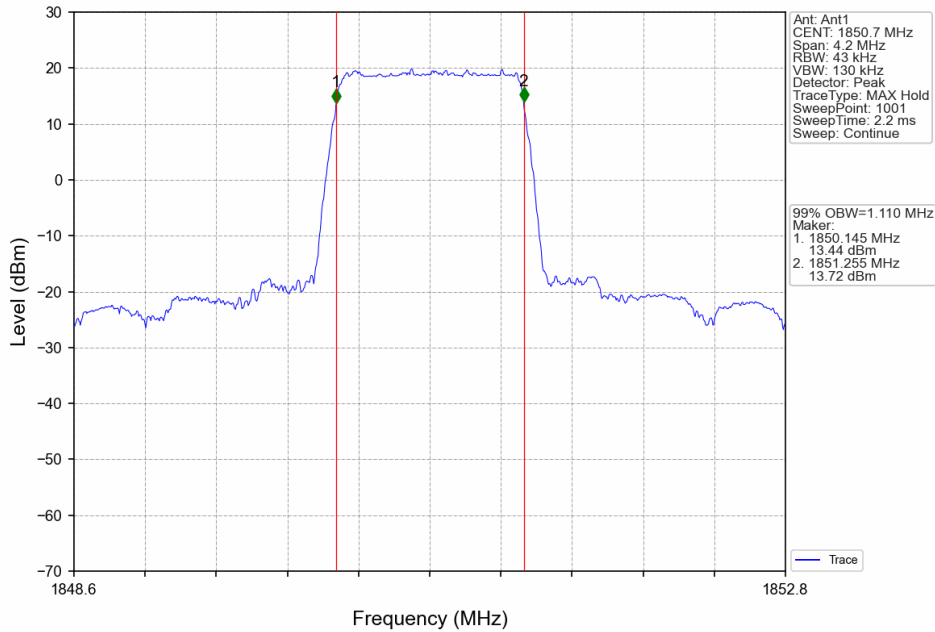
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Band25\_1.4MHz\_64QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV



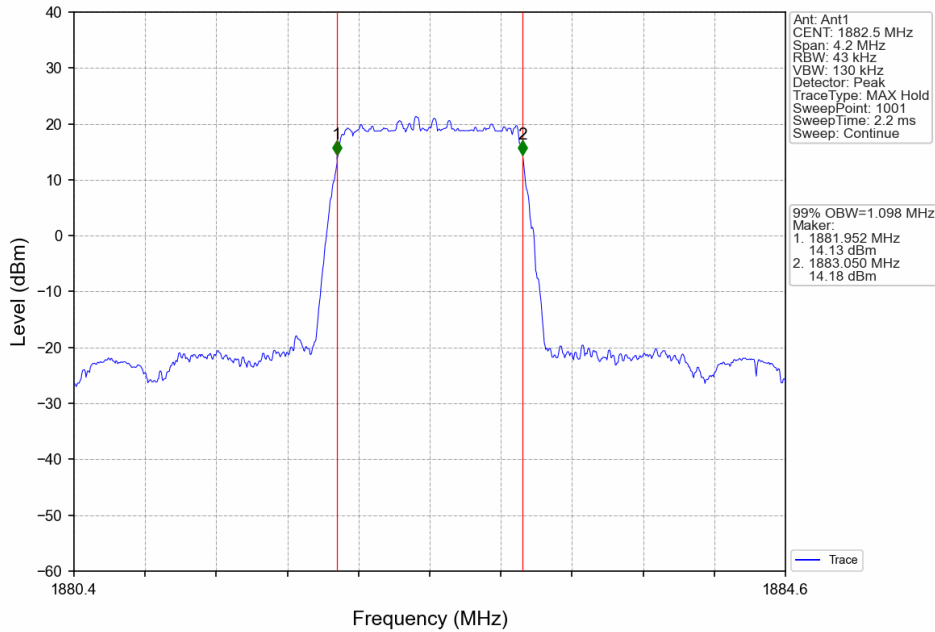
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Band25\_1.4MHz\_64QAM\_MCH\_1882.5MHz\_RB\_6\_0\_NTNV

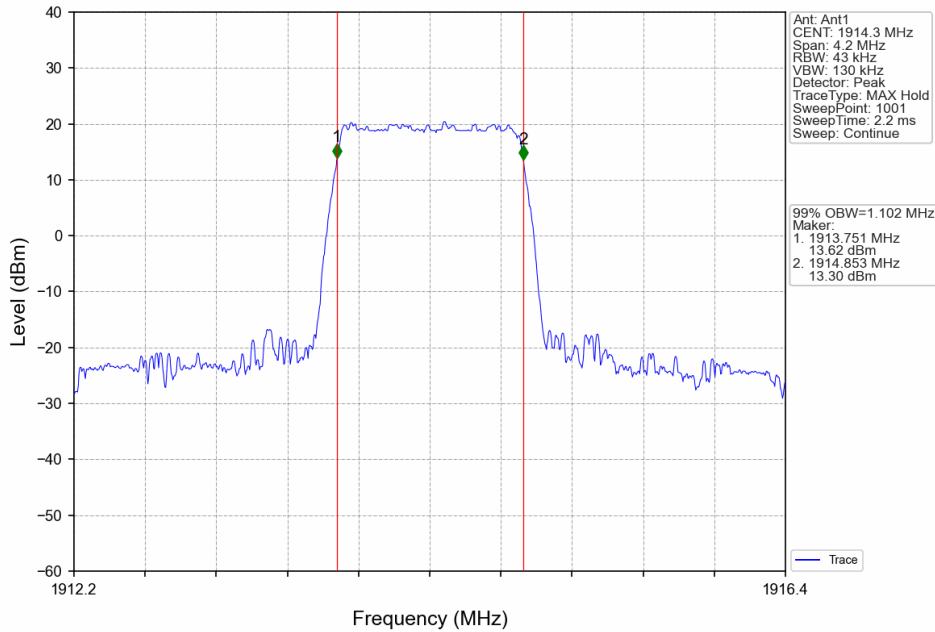


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Band25\_1.4MHz\_64QAM\_HCH\_1914.3MHz\_RB\_6\_0\_NTNV

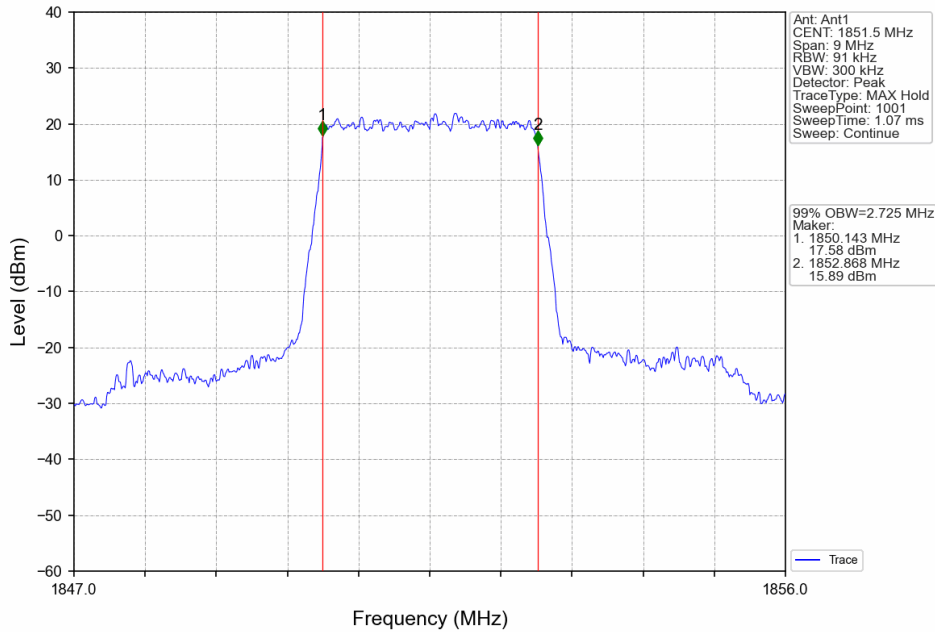


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Band25\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV

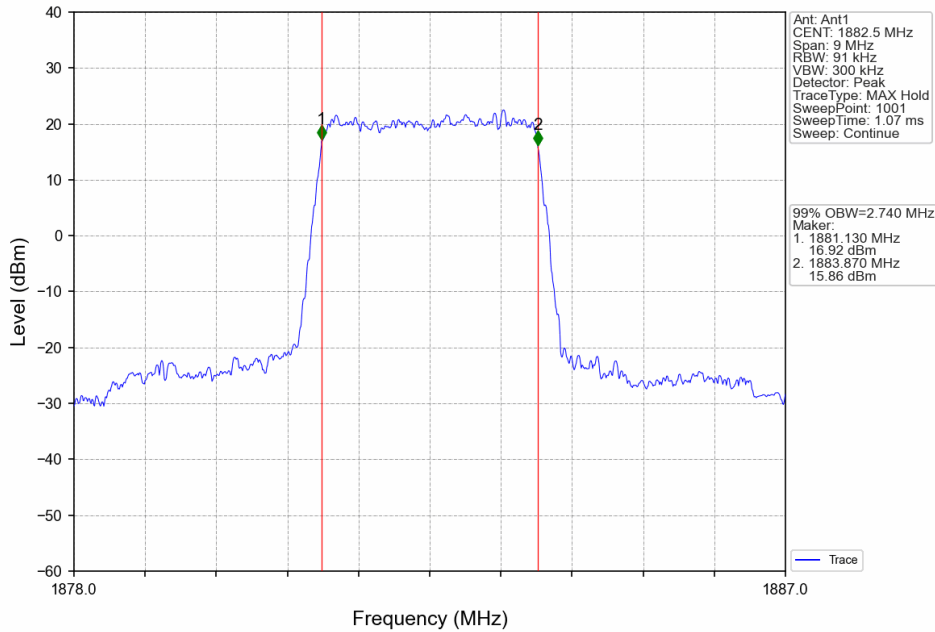


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Band25\_3MHz\_QPSK\_MCH\_1882.5MHz\_RB\_15\_0\_NTNV



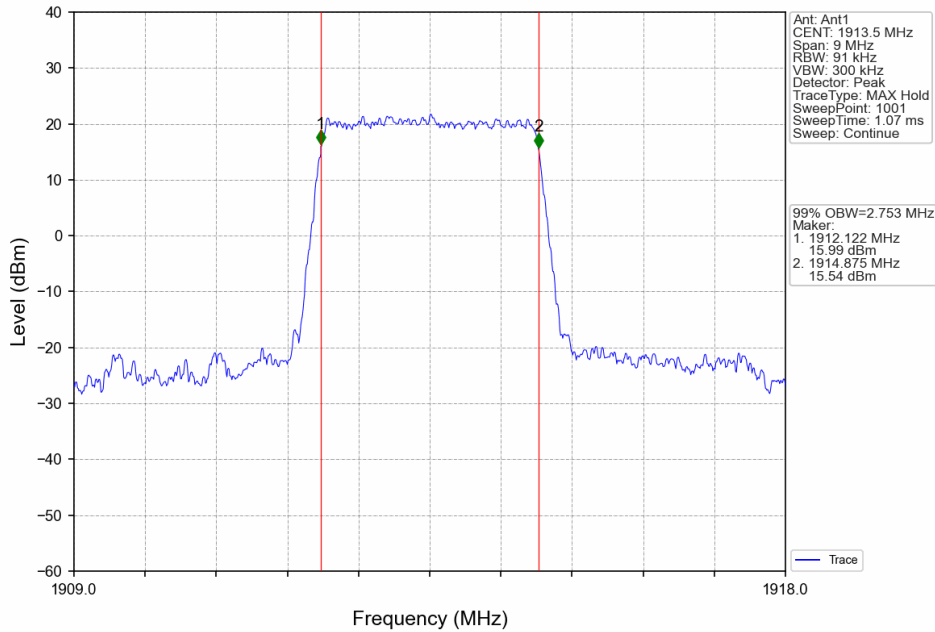
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Band25\_3MHz\_QPSK\_HCH\_1913.5MHz\_RB\_15\_0\_NTNV

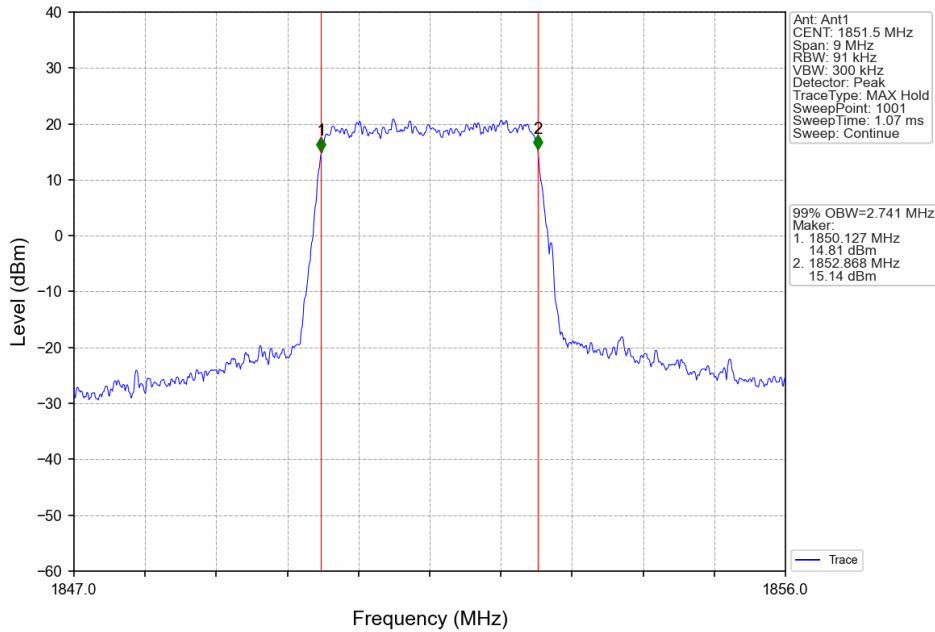


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Band25\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



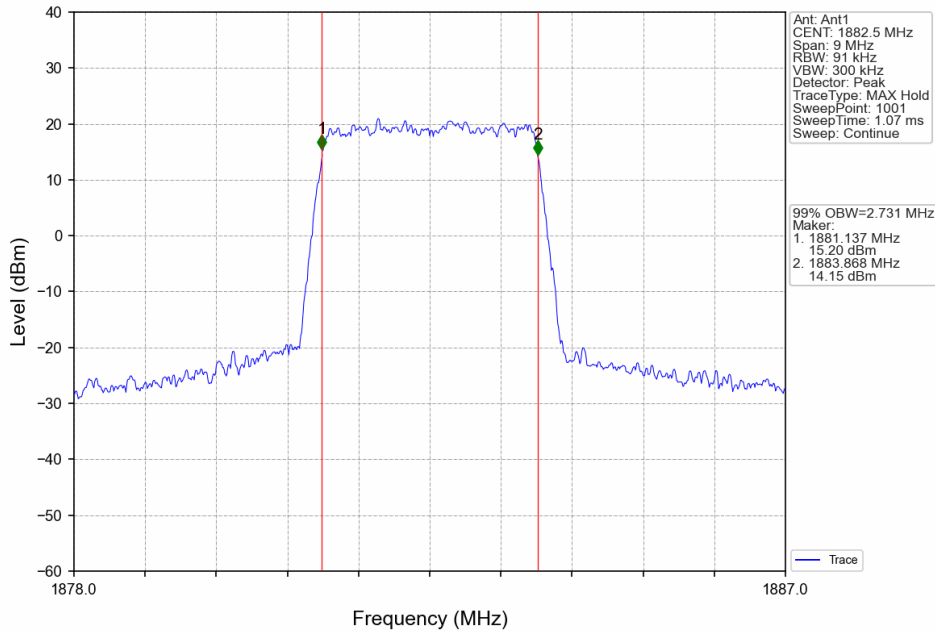
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Band25\_3MHz\_16QAM\_MCH\_1882.5MHz\_RB\_15\_0\_NTNV

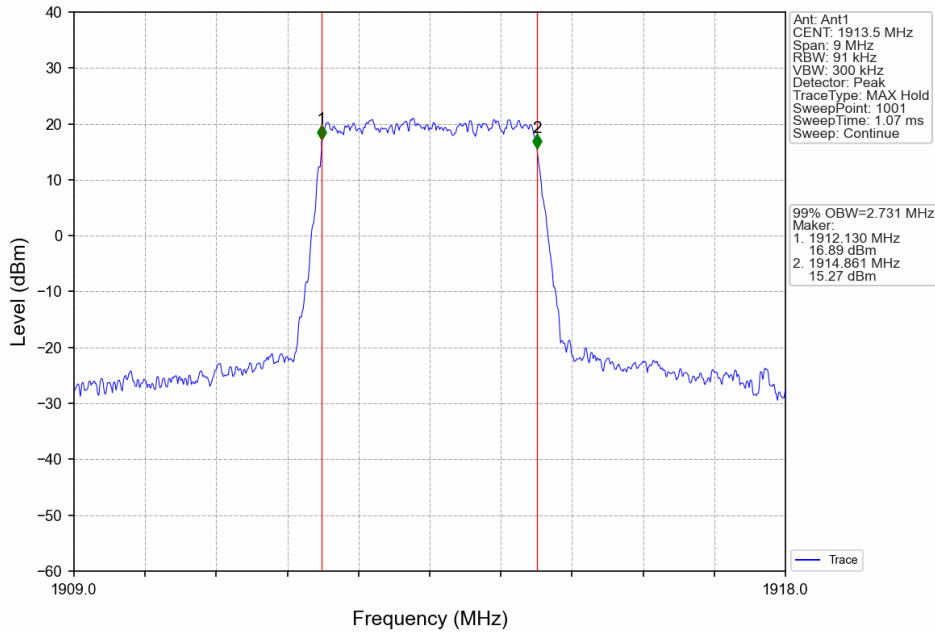


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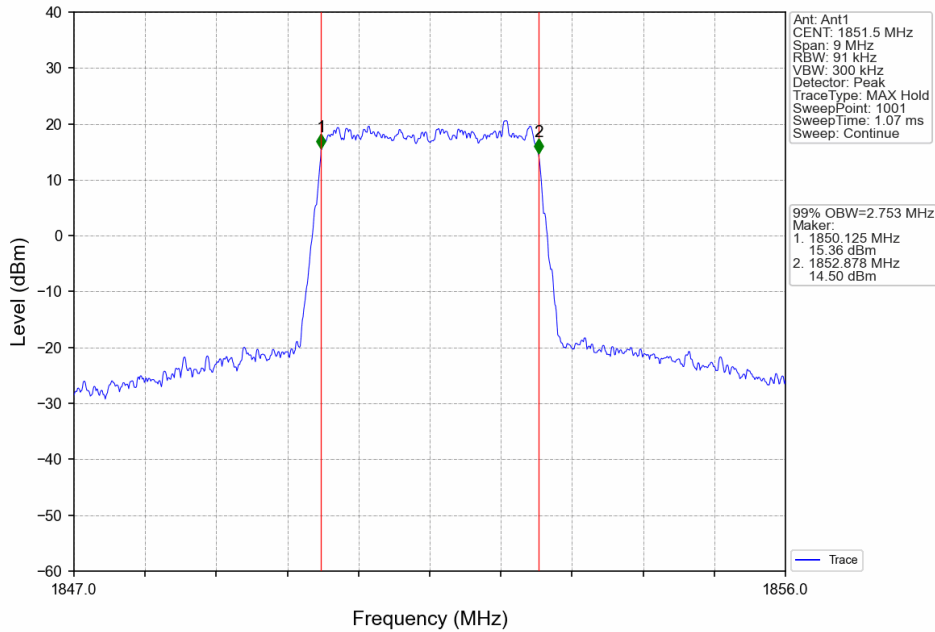
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Band25\_3MHz\_64QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV

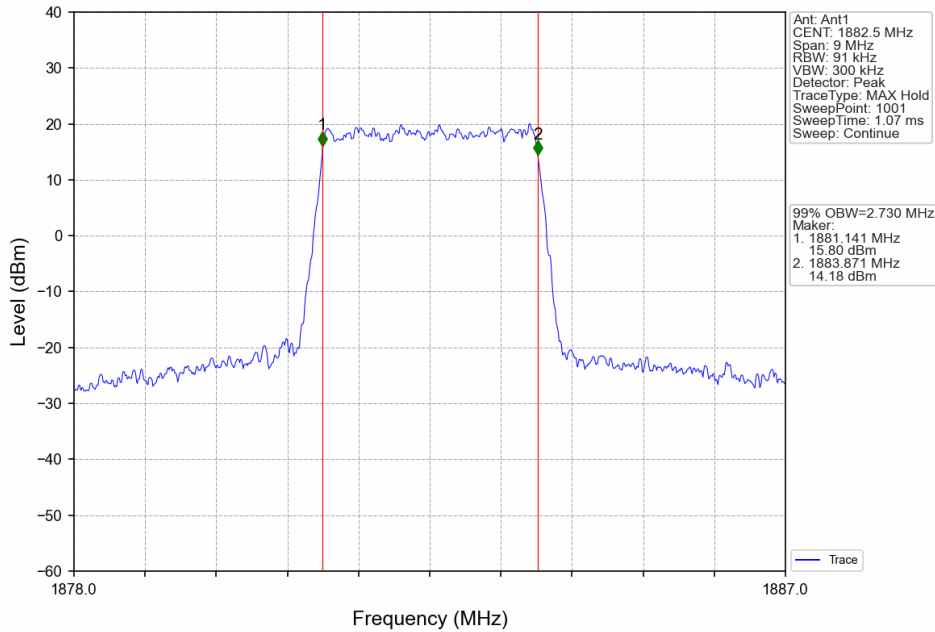


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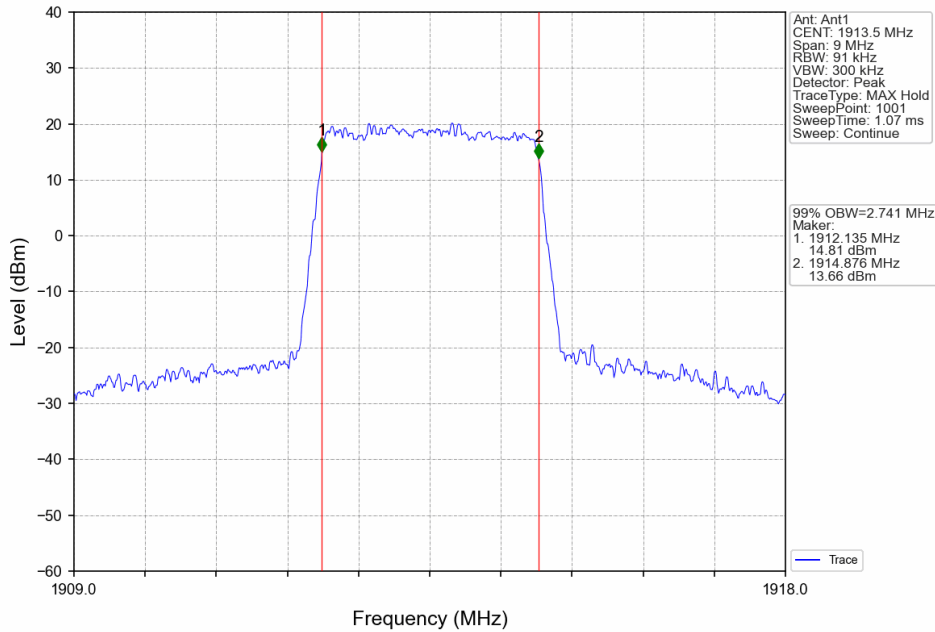


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Band25\_3MHz\_64QAM\_HCH\_1913.5MHz\_RB\_15\_0\_NTNV

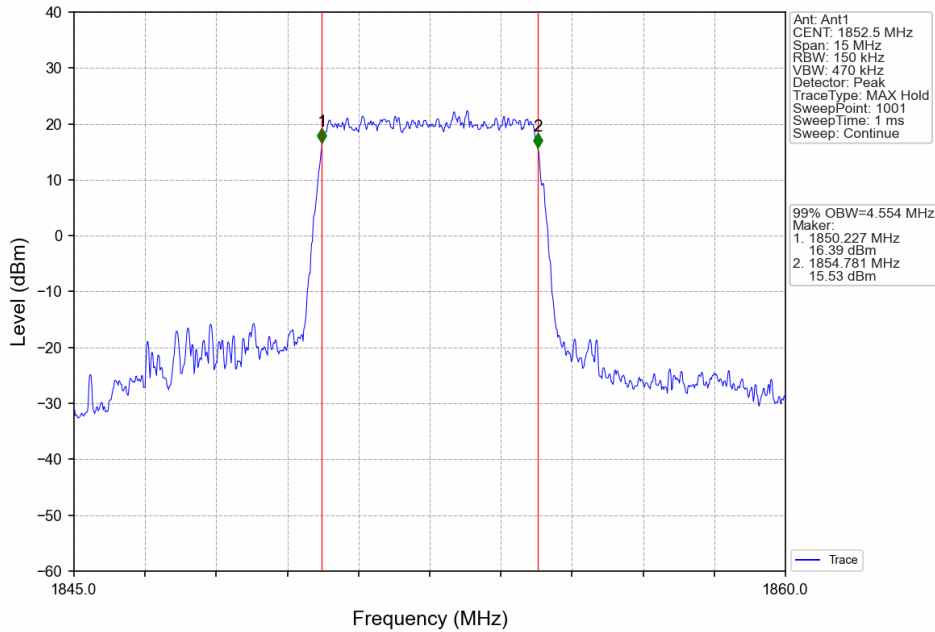


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Band25\_5MHz\_QPSK\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV

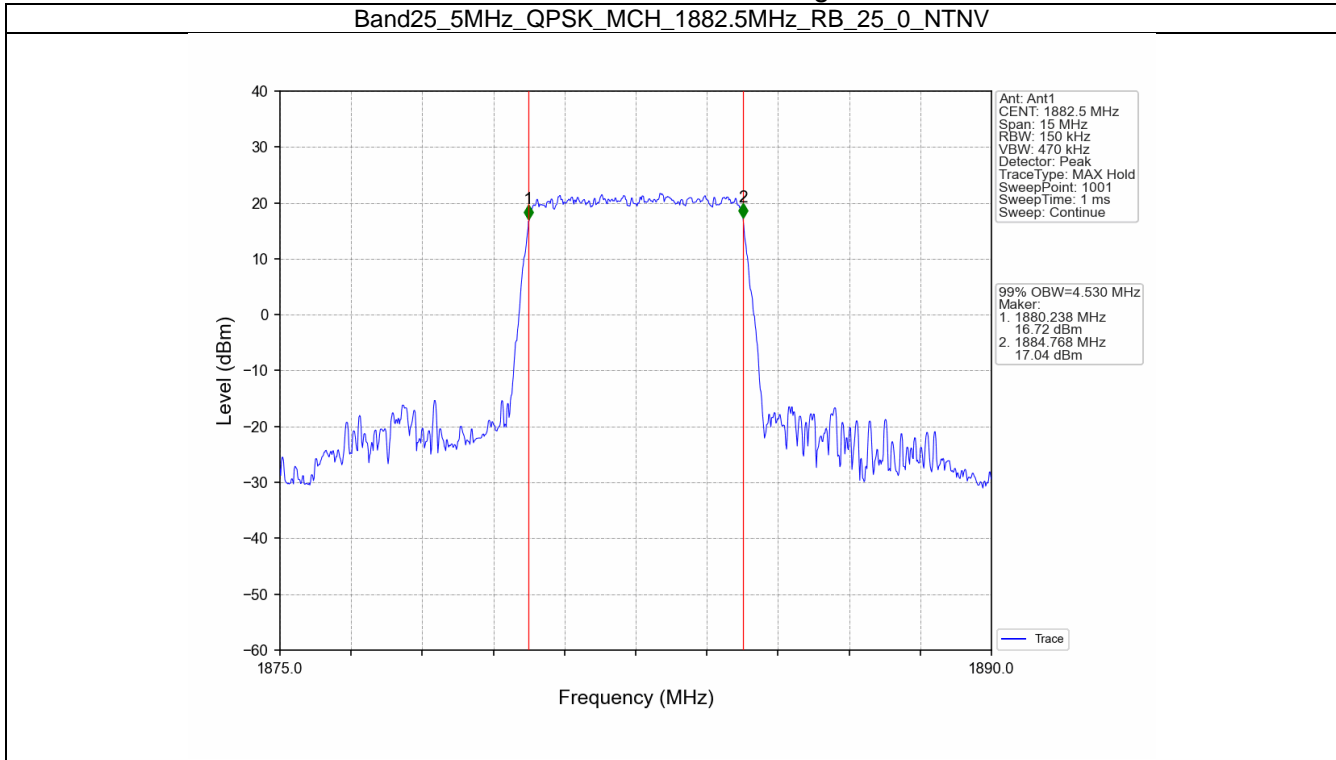


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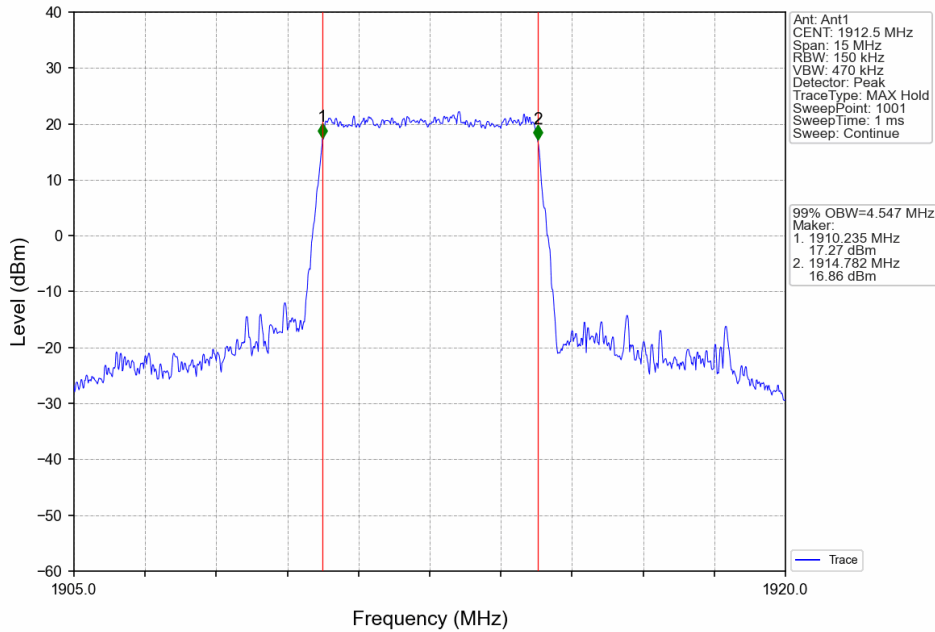


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Band25\_5MHz\_QPSK\_HCH\_1912.5MHz\_RB\_25\_0\_NTNV

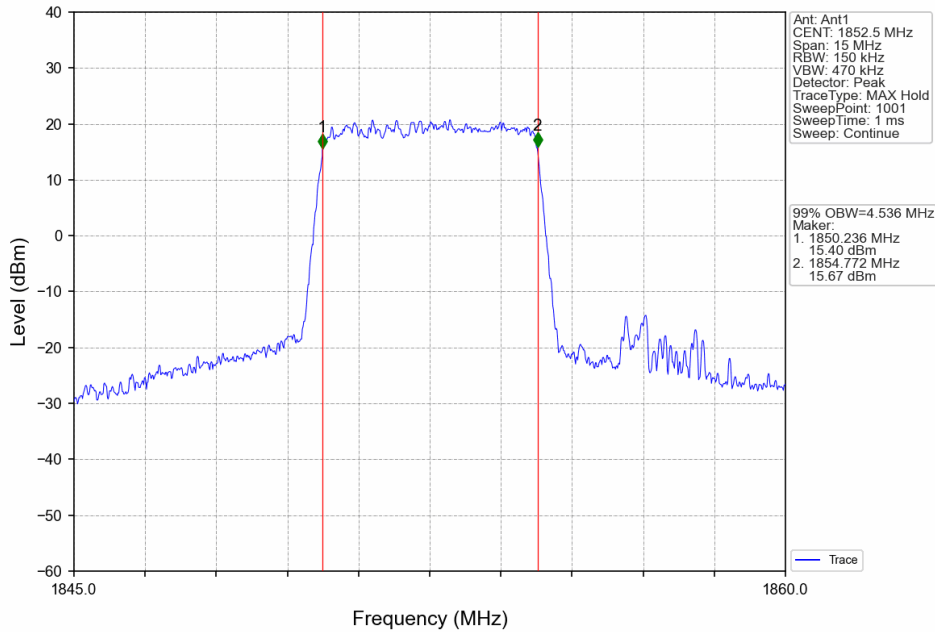


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Band25\_5MHz\_16QAM\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



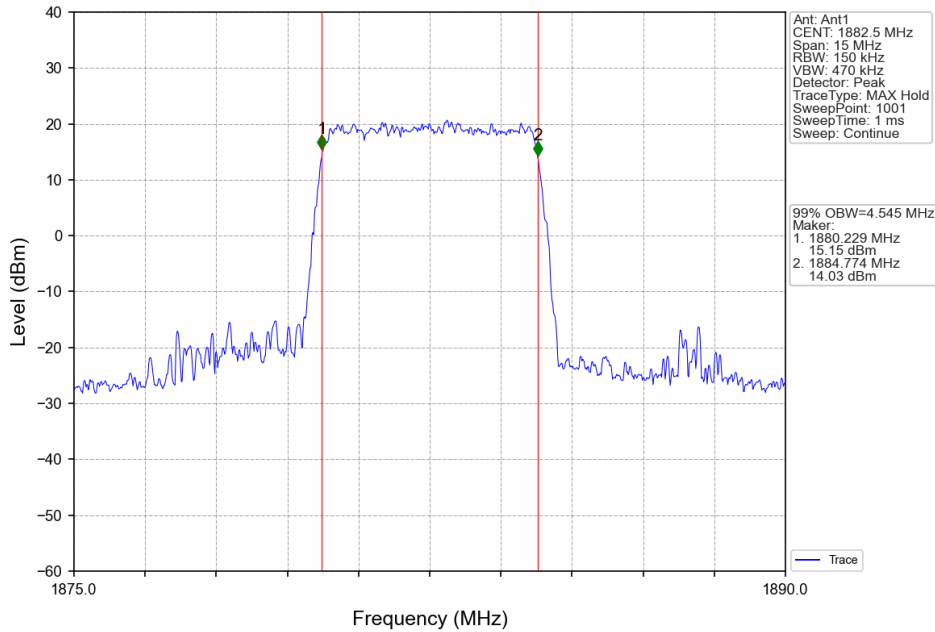
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Band25\_5MHz\_16QAM\_MCH\_1882.5MHz\_RB\_25\_0\_NTNV

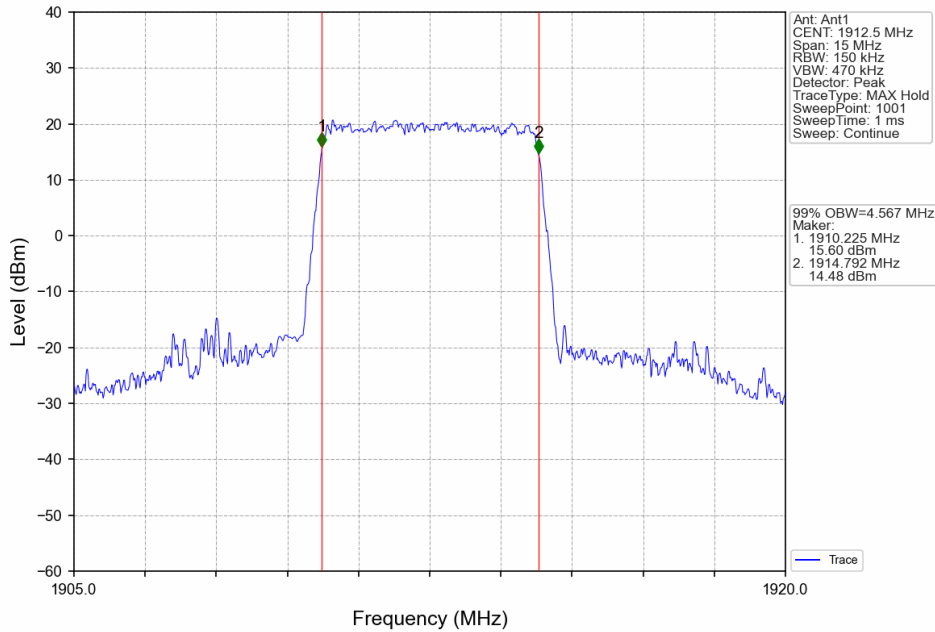


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Band25\_5MHz\_16QAM\_HCH\_1912.5MHz\_RB\_25\_0\_NTNV

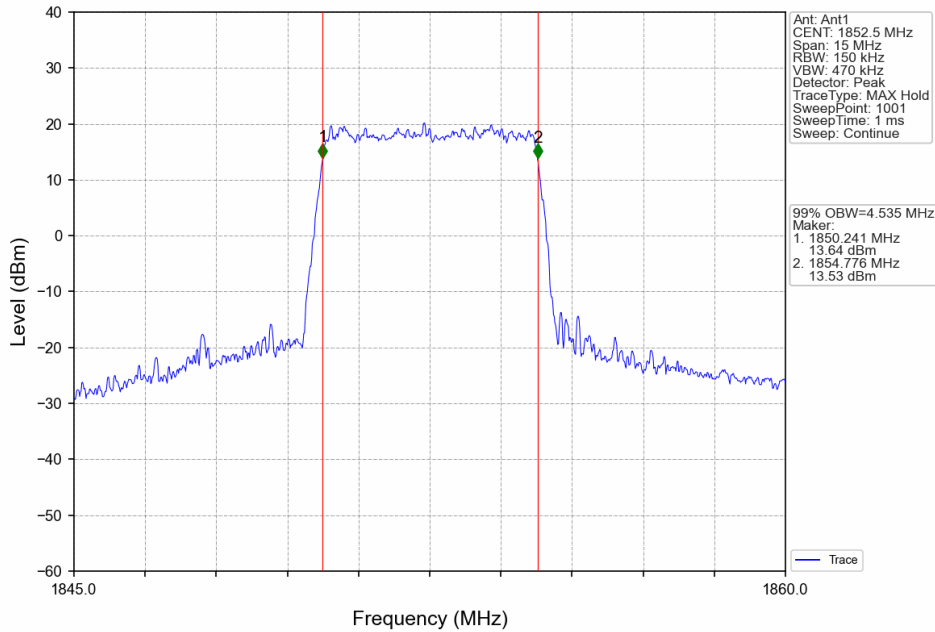


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Band25\_5MHz\_64QAM\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



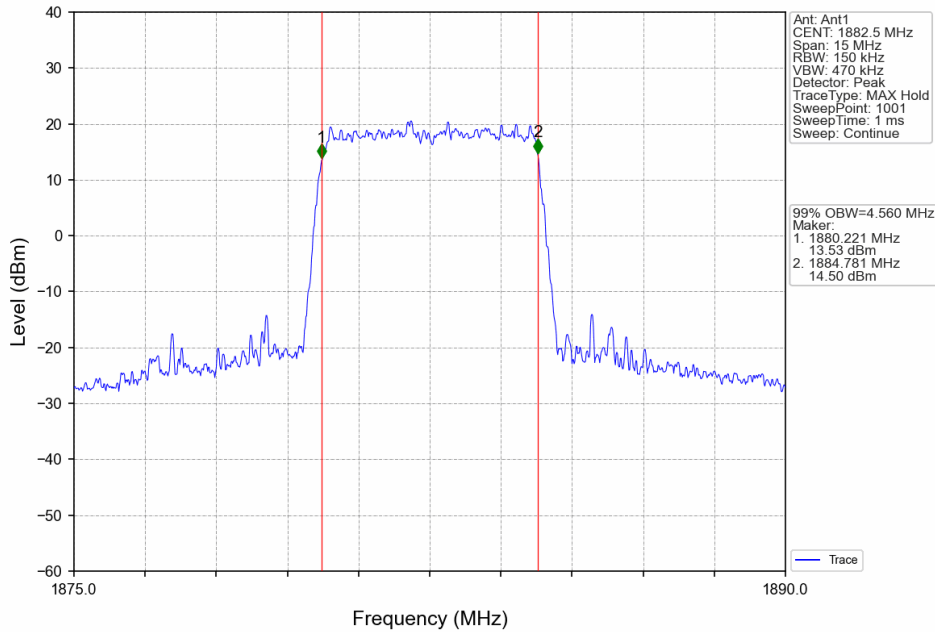
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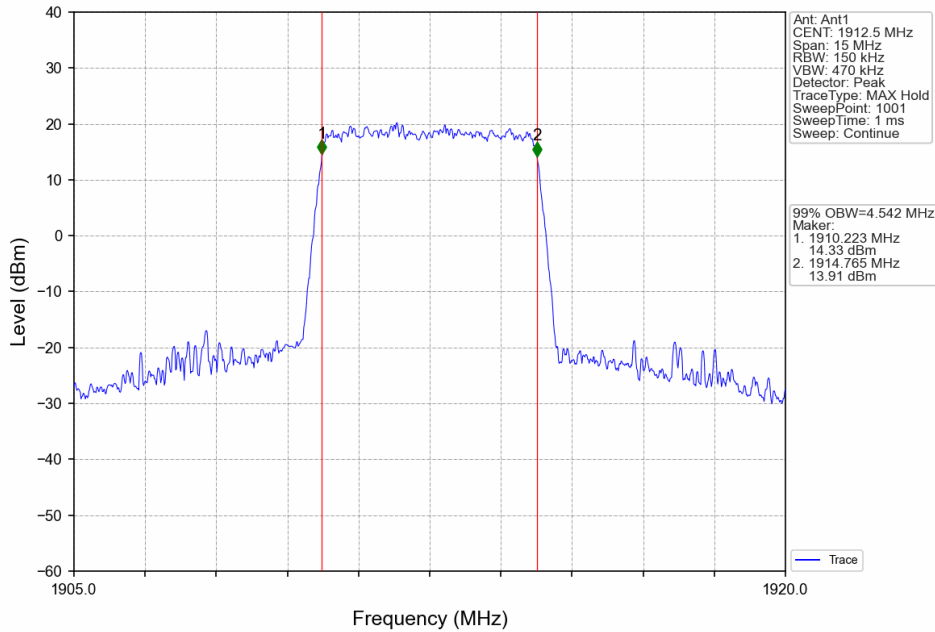


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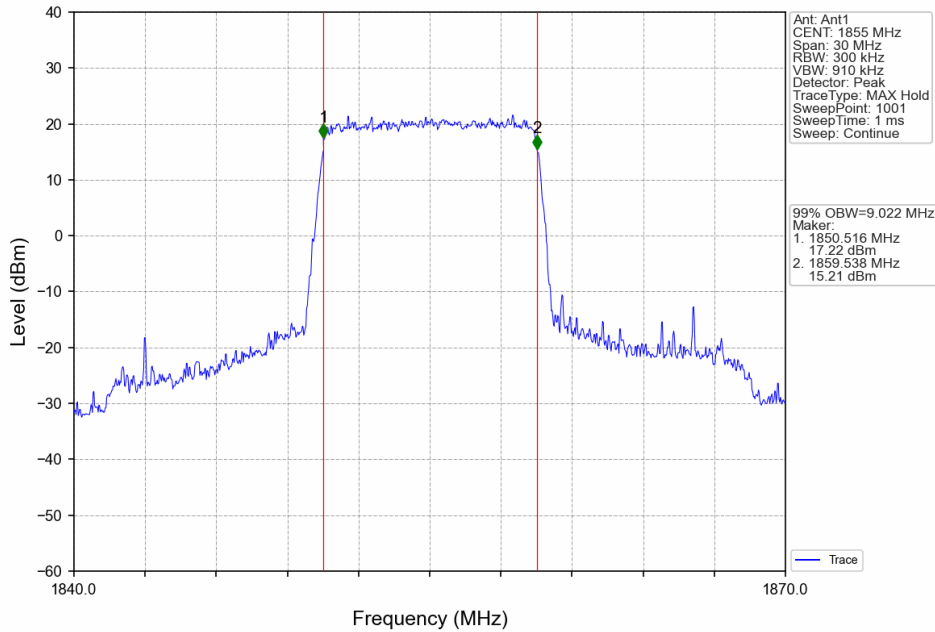
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Band25\_10MHz\_QPSK\_LCH\_1855MHz\_RB\_50\_0\_NTNV



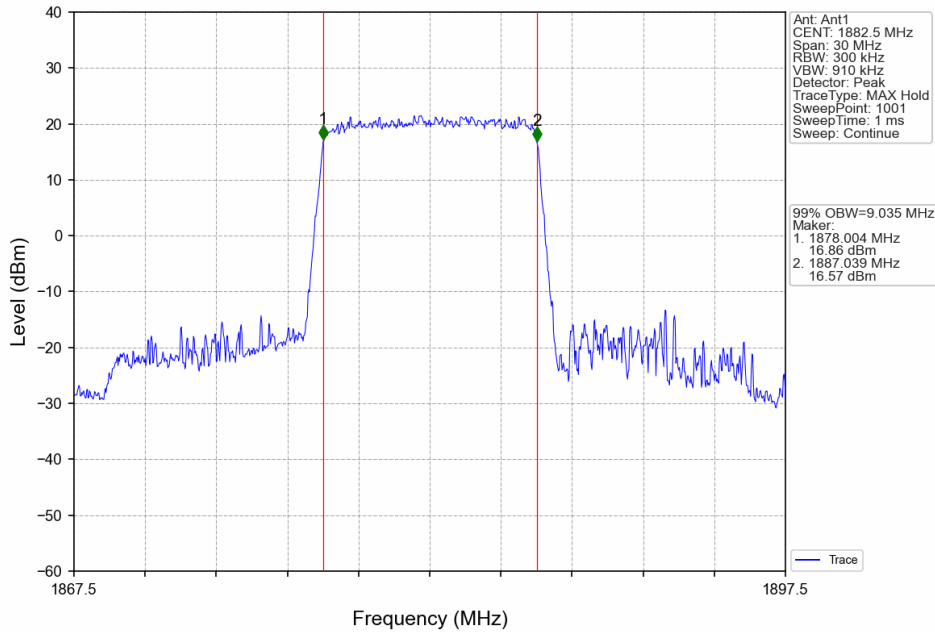
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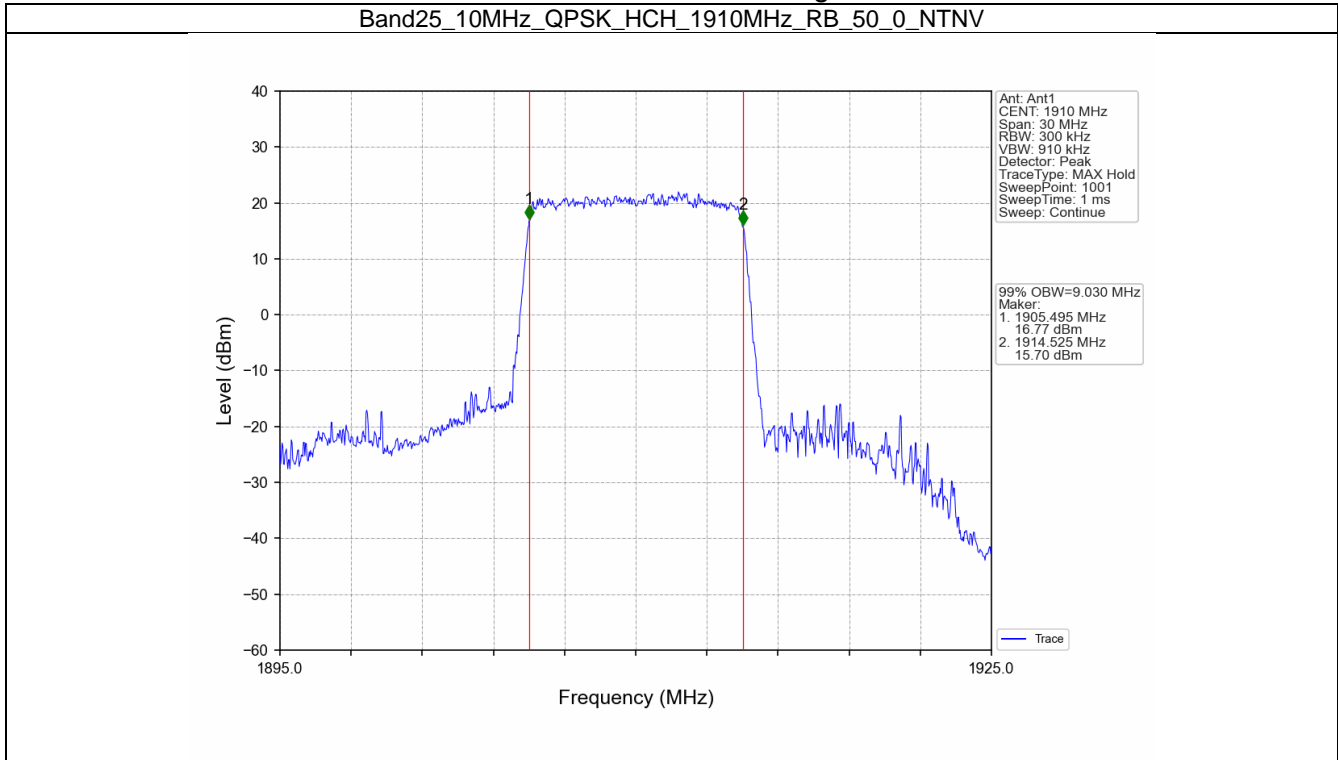


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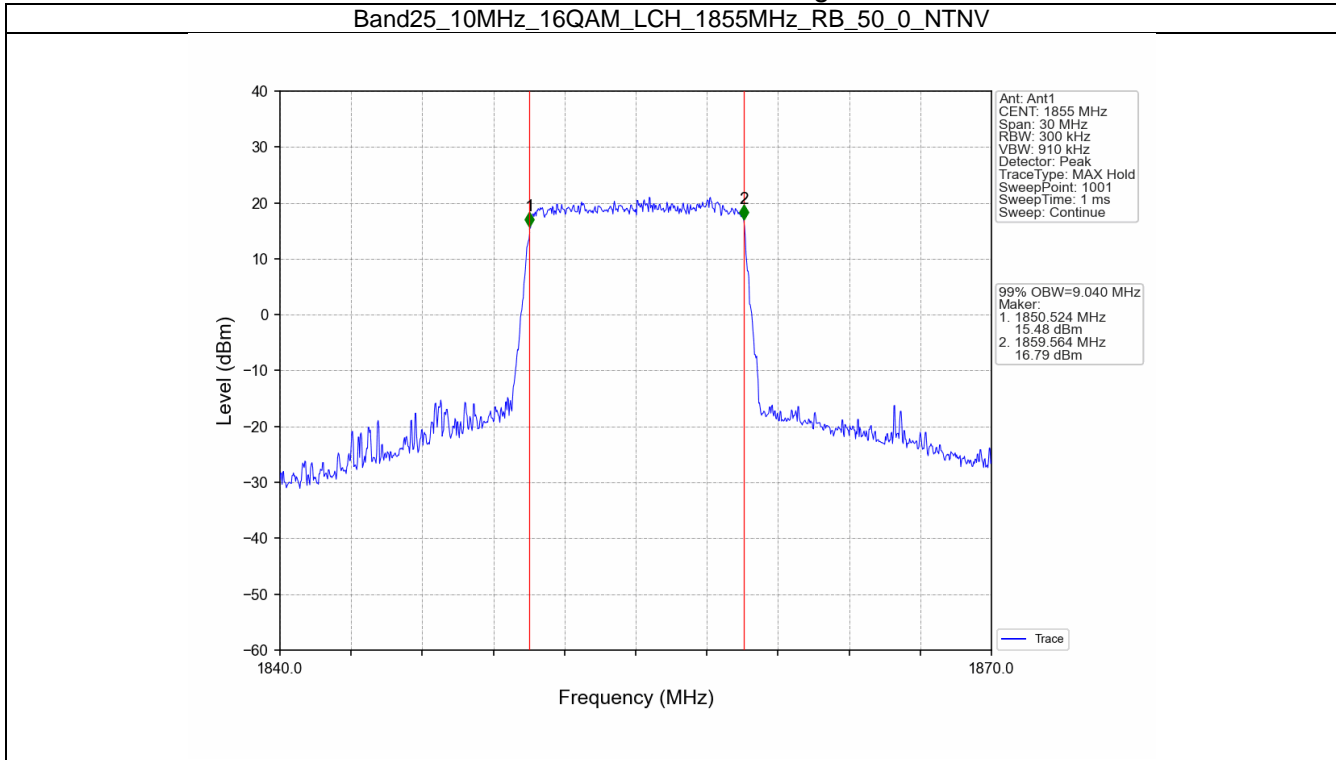
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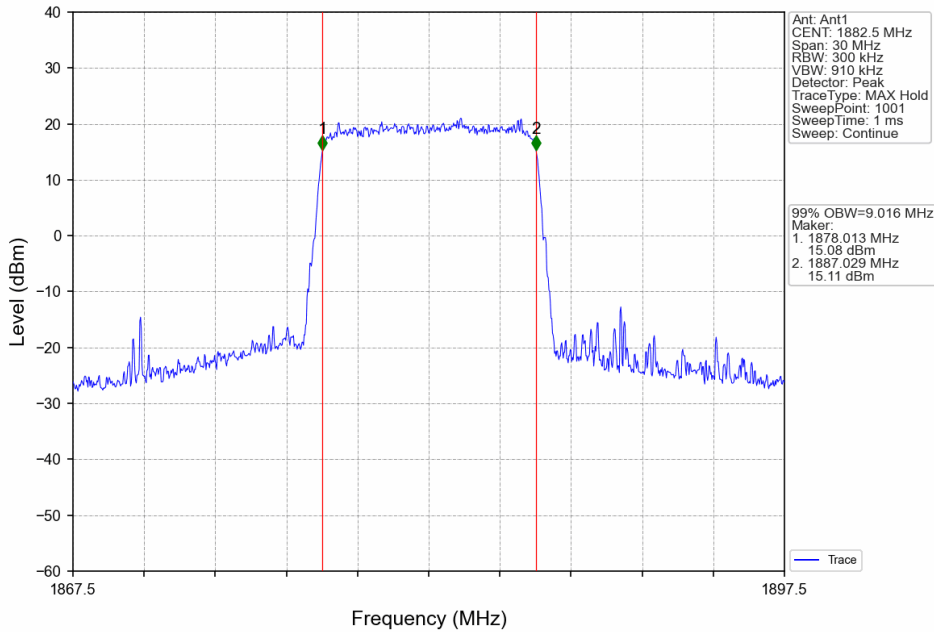
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Band25\_10MHz\_16QAM\_MCH\_1882.5MHz\_RB\_50\_0\_NTNV

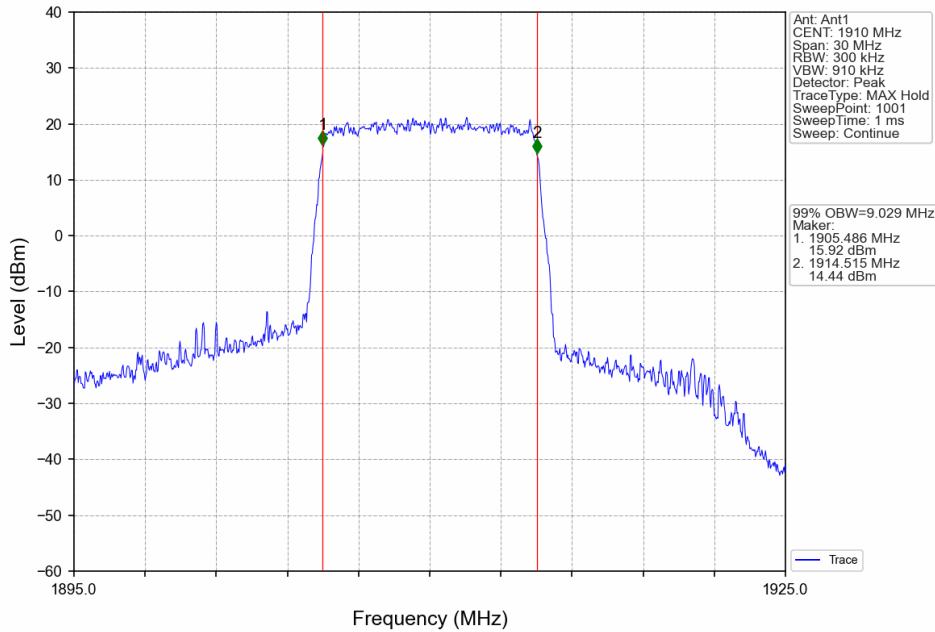


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Band25\_10MHz\_16QAM\_HCH\_1910MHz\_RB\_50\_0\_NTNV



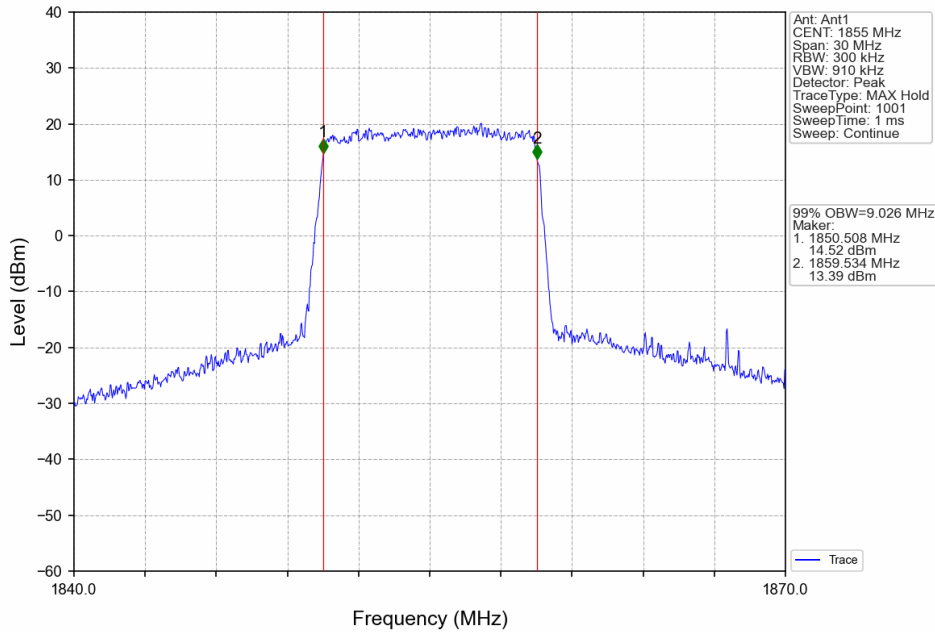
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Band25\_10MHz\_64QAM\_LCH\_1855MHz\_RB\_50\_0\_NTNV

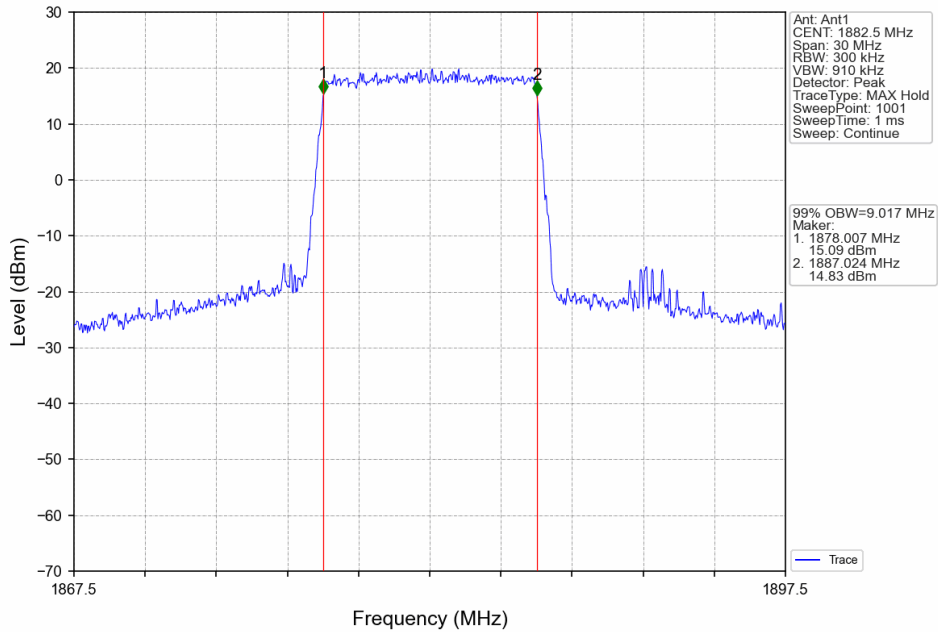


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Band25\_10MHz\_64QAM\_MCH\_1882.5MHz\_RB\_50\_0\_NTNV



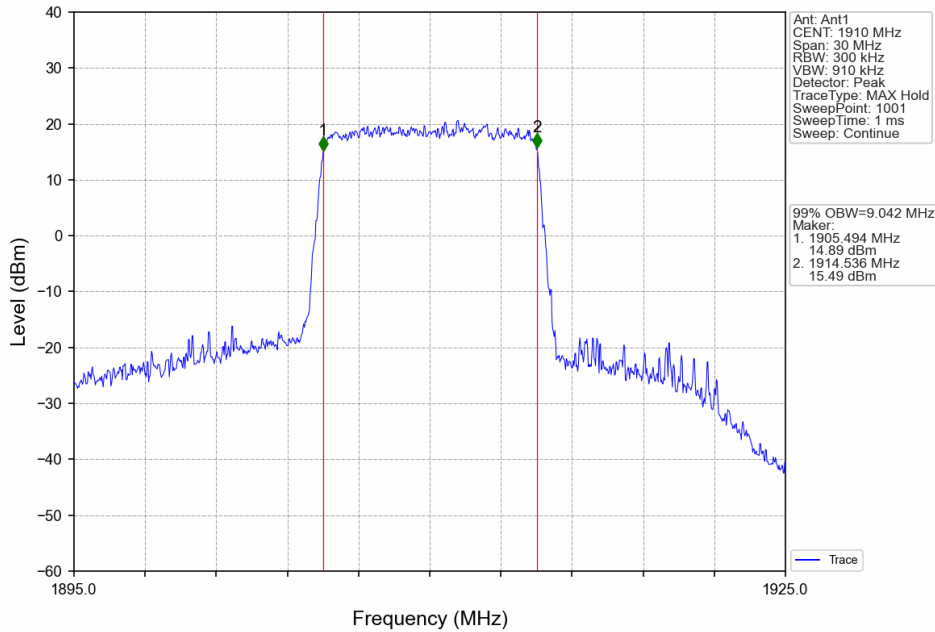
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Band25\_10MHz\_64QAM\_HCH\_1910MHz\_RB\_50\_0\_NTNV



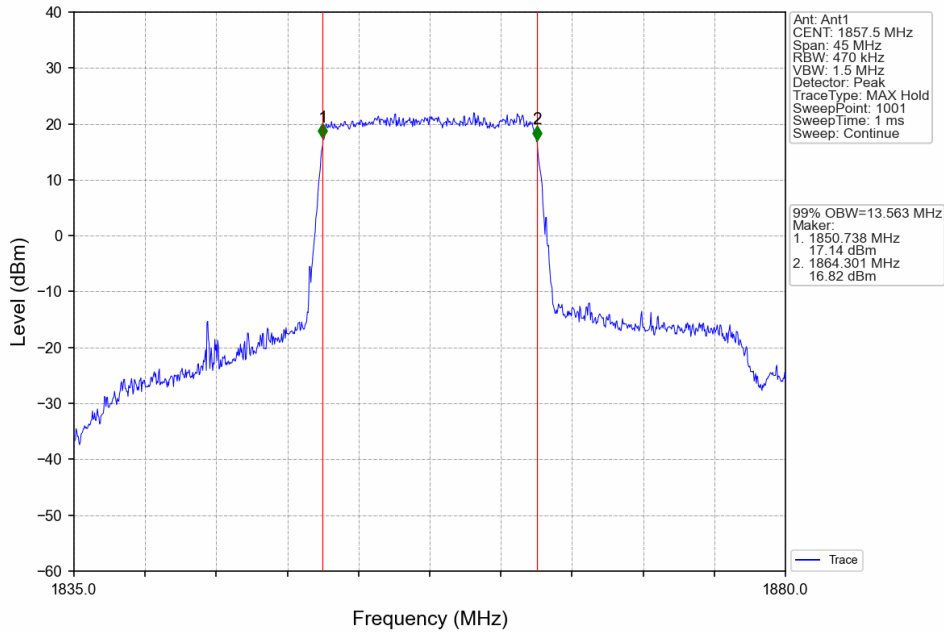
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Band25\_15MHz\_QPSK\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV

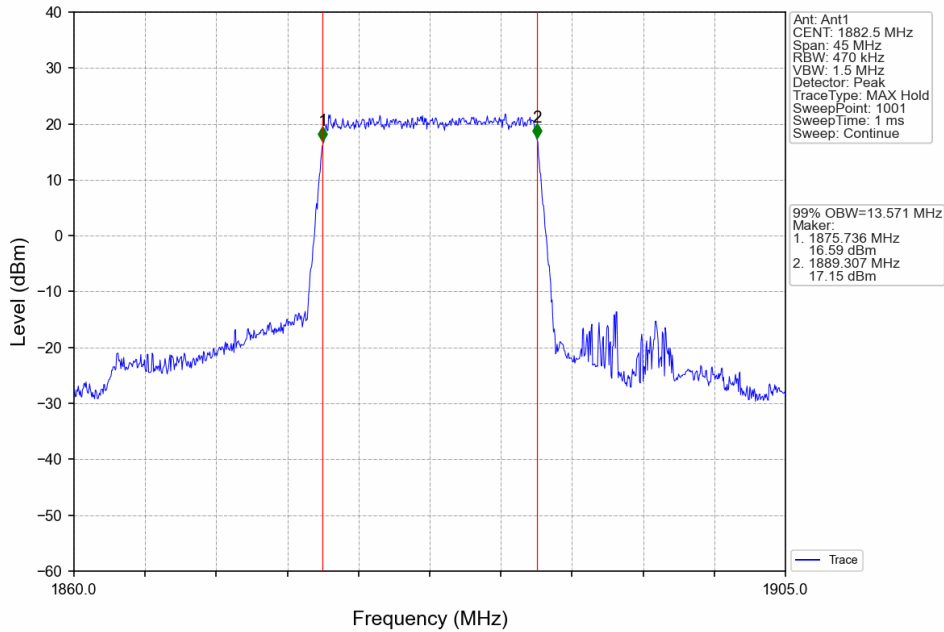


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Band25\_15MHz\_QPSK\_MCH\_1882.5MHz\_RB\_75\_0\_NTNV

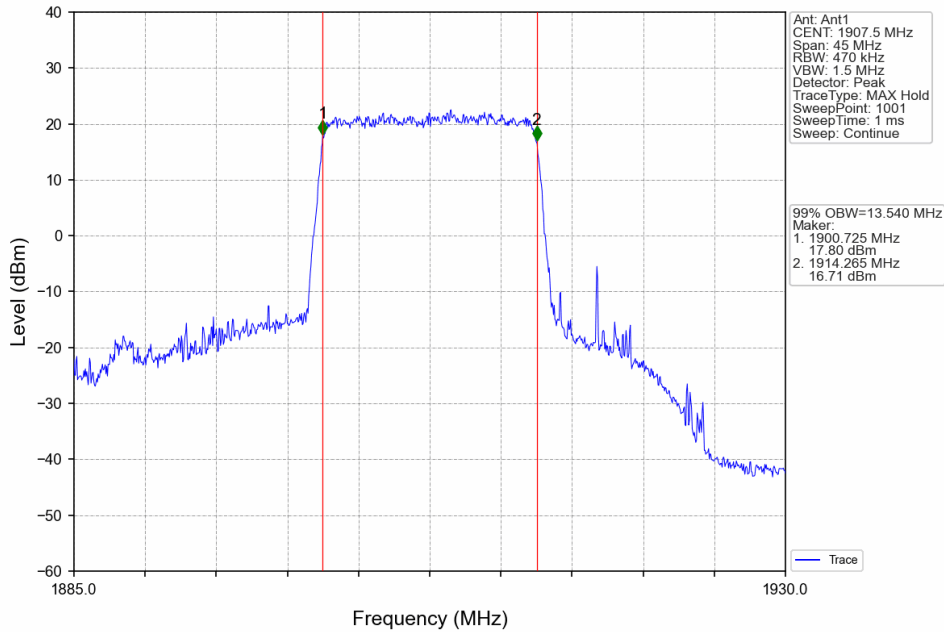


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Band25\_15MHz\_QPSK\_HCH\_1907.5MHz\_RB\_75\_0\_NTNV



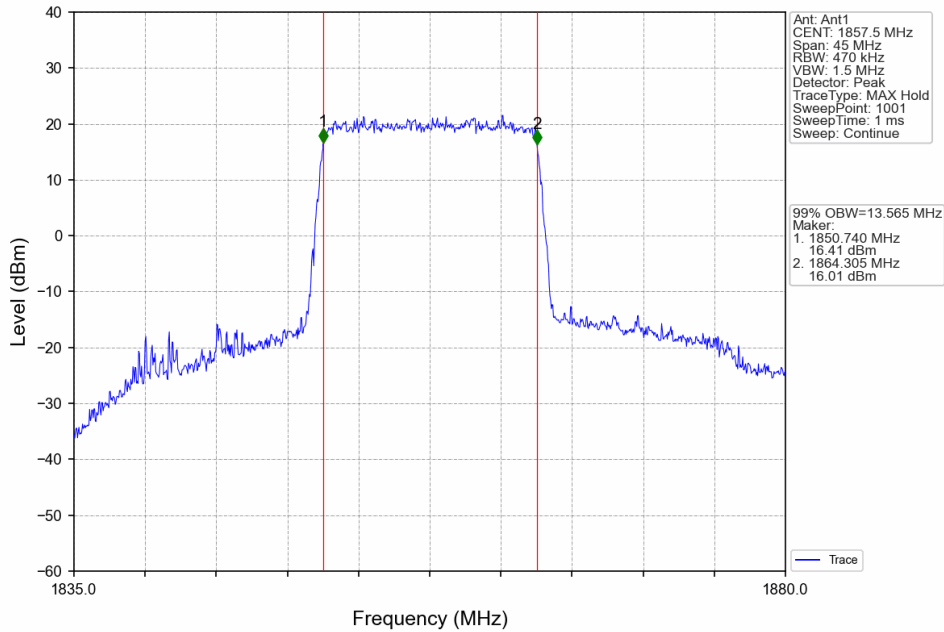
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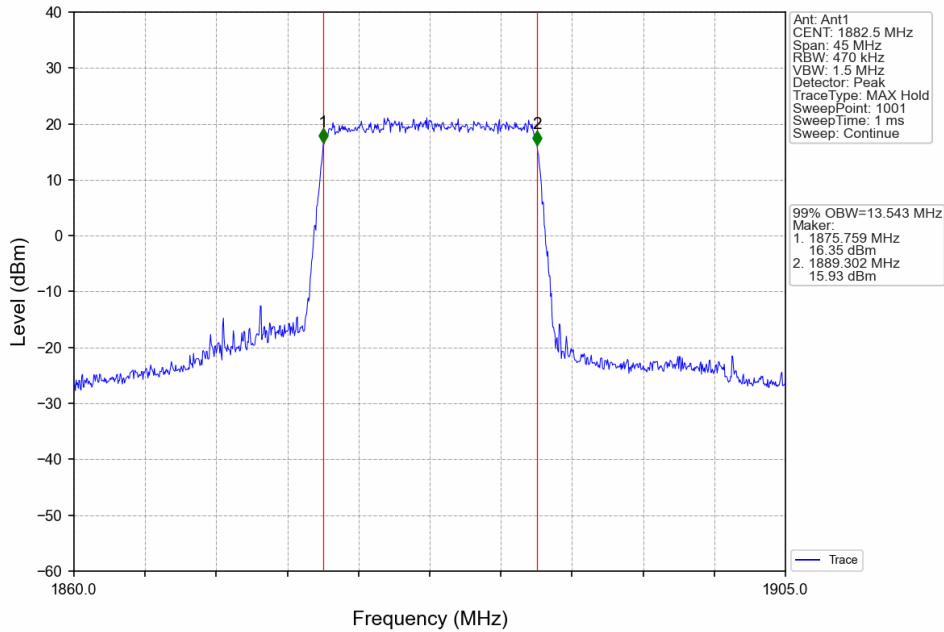


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Band25\_15MHz\_16QAM\_MCH\_1882.5MHz\_RB\_75\_0\_NTNV

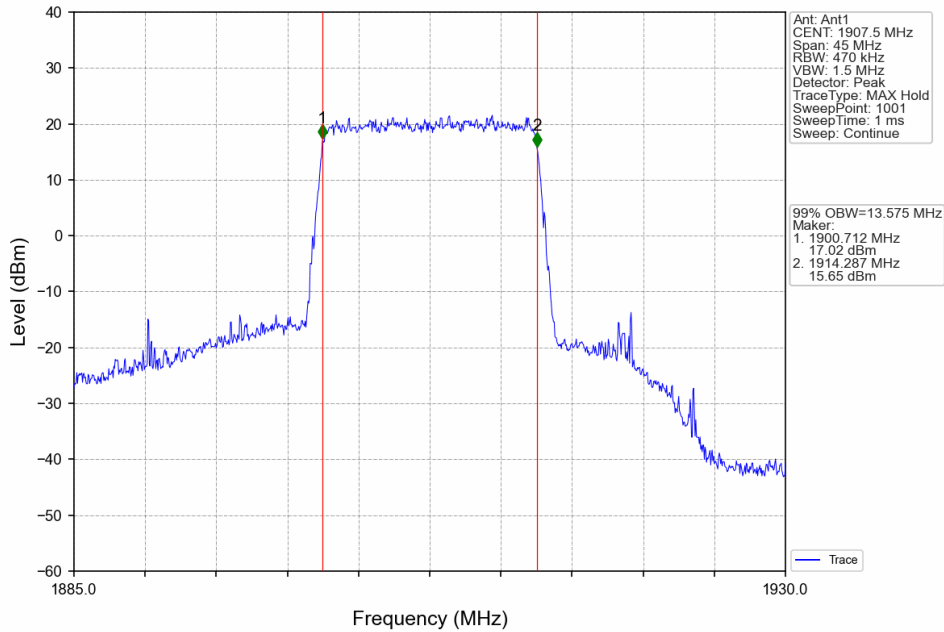


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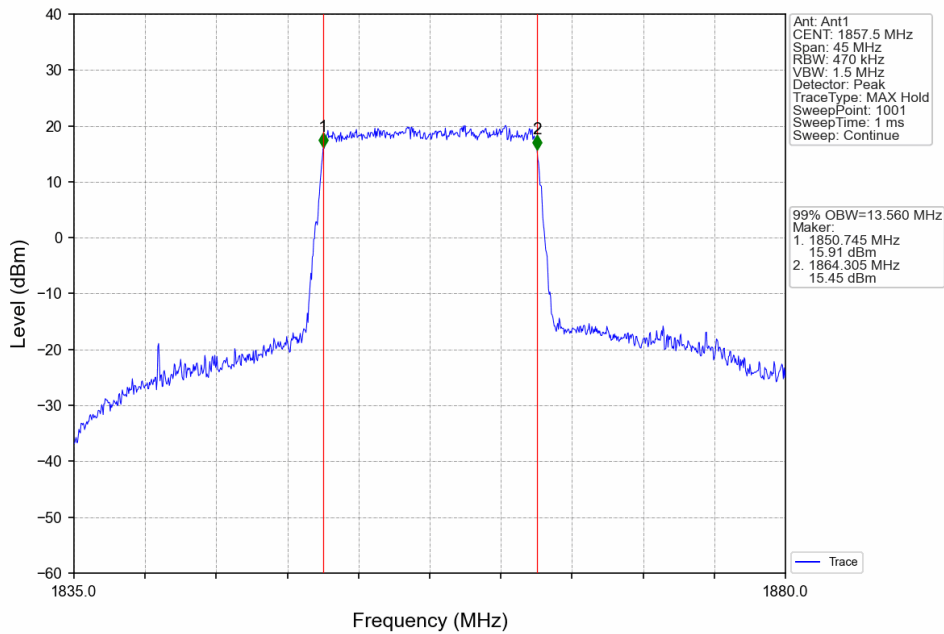
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Band25\_15MHz\_64QAM\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



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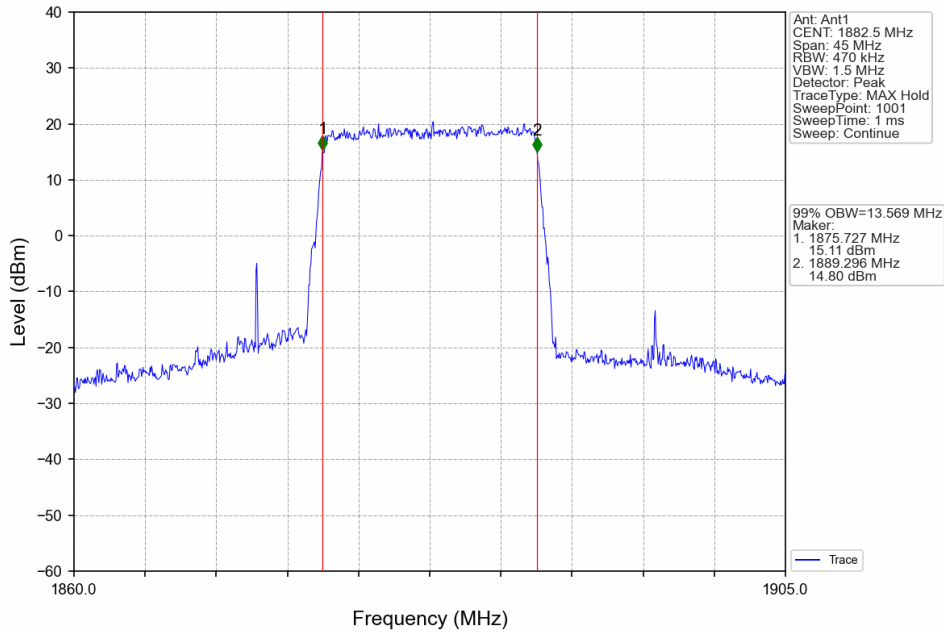
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Band25\_15MHz\_64QAM\_MCH\_1882.5MHz\_RB\_75\_0\_NTNV

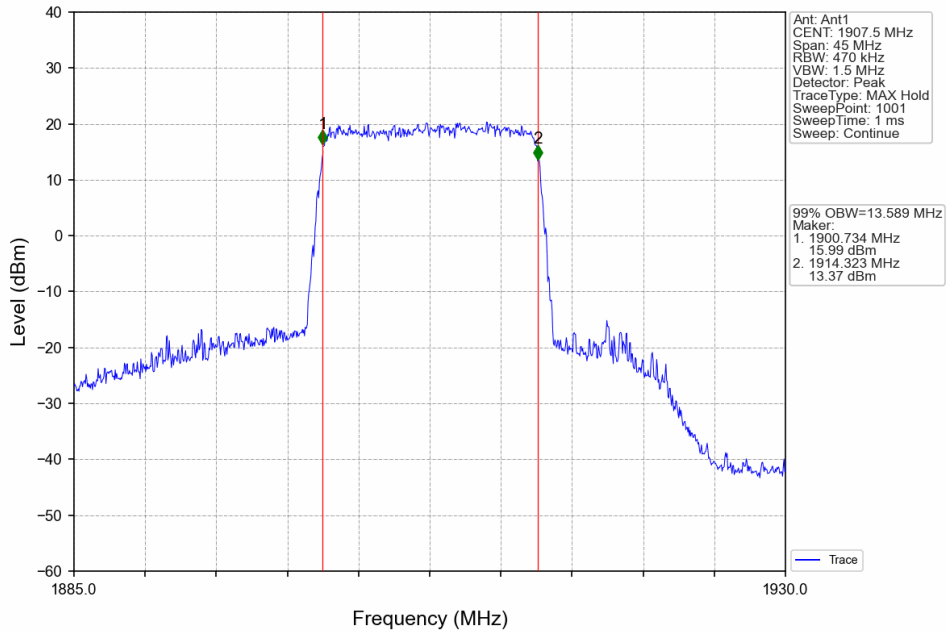


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Band25\_15MHz\_64QAM\_HCH\_1907.5MHz\_RB\_75\_0\_NTNV

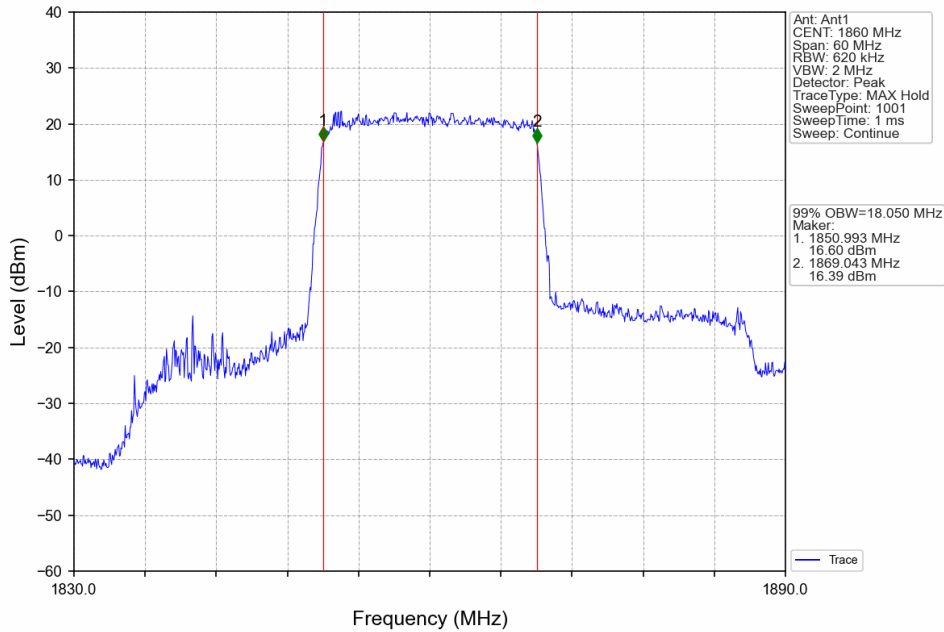


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Band25\_20MHz\_QPSK\_LCH\_1860MHz\_RB\_100\_0\_NTNV

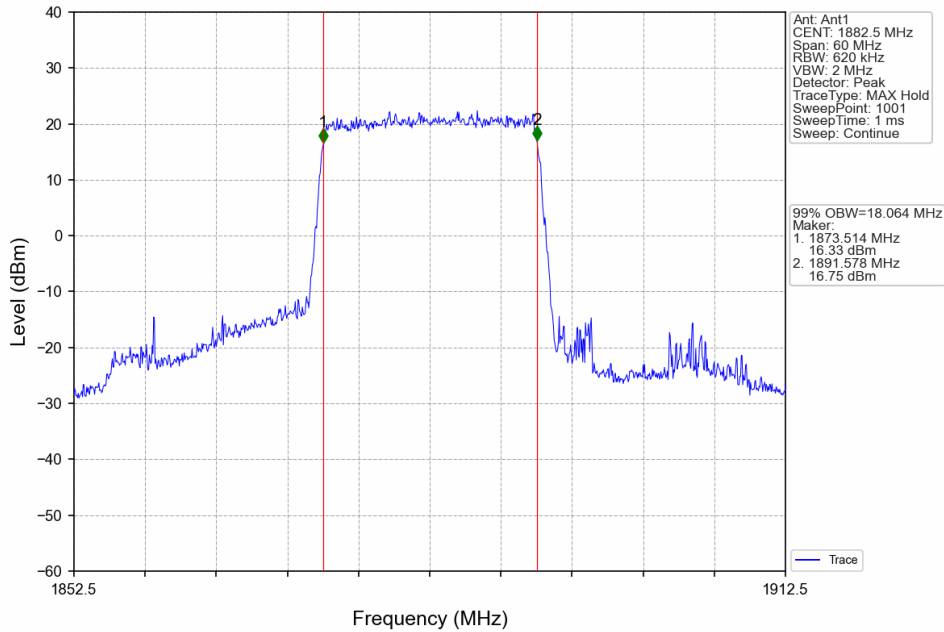


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Band25\_20MHz\_QPSK\_MCH\_1882.5MHz\_RB\_100\_0\_NTNV

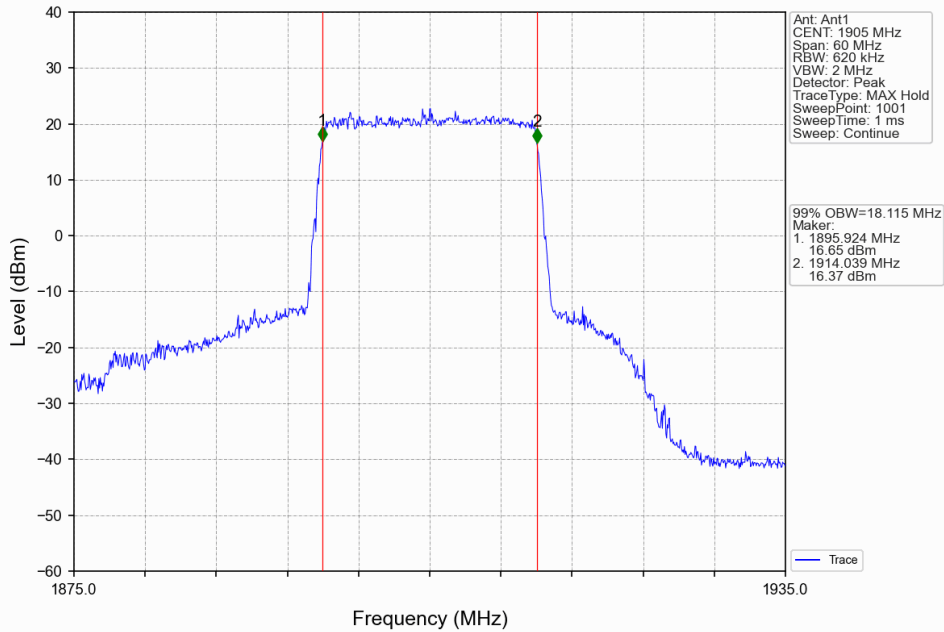


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Band25\_20MHz\_QPSK\_HCH\_1905MHz\_RB\_100\_0\_NTNV

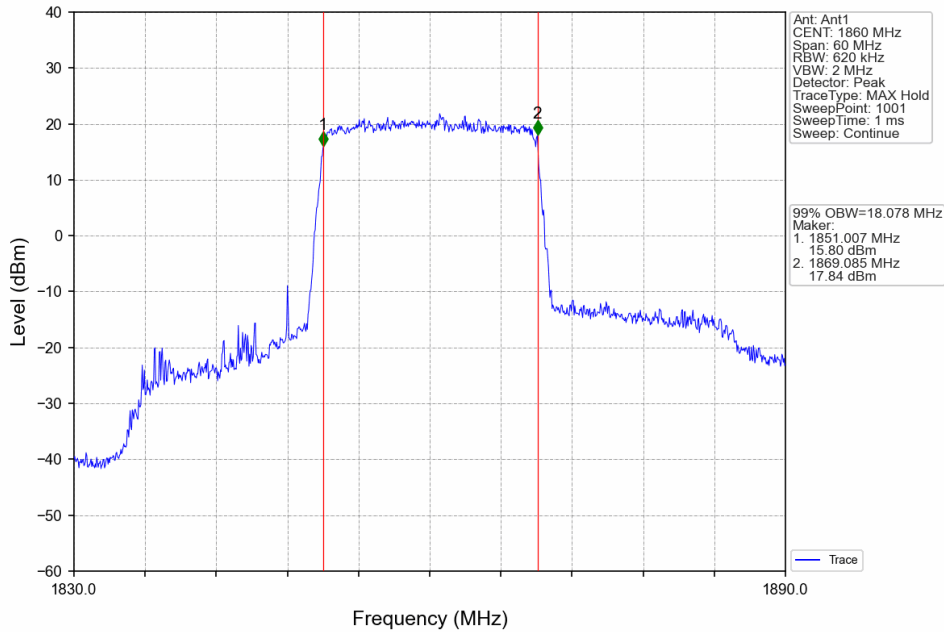


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Band25\_20MHz\_16QAM\_LCH\_1860MHz\_RB\_100\_0\_NTNV

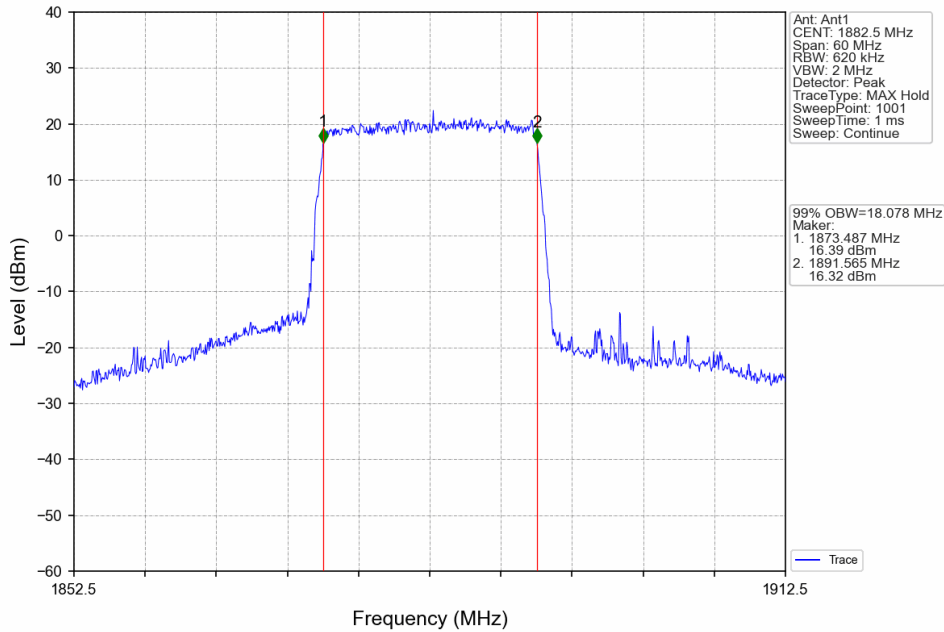


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Band25\_20MHz\_16QAM\_MCH\_1882.5MHz\_RB\_100\_0\_NTNV

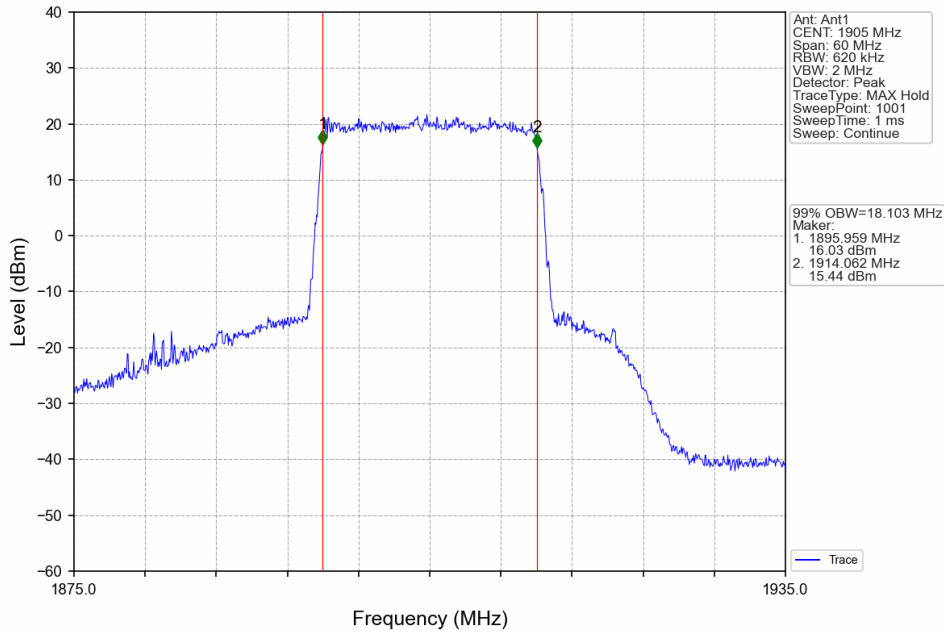


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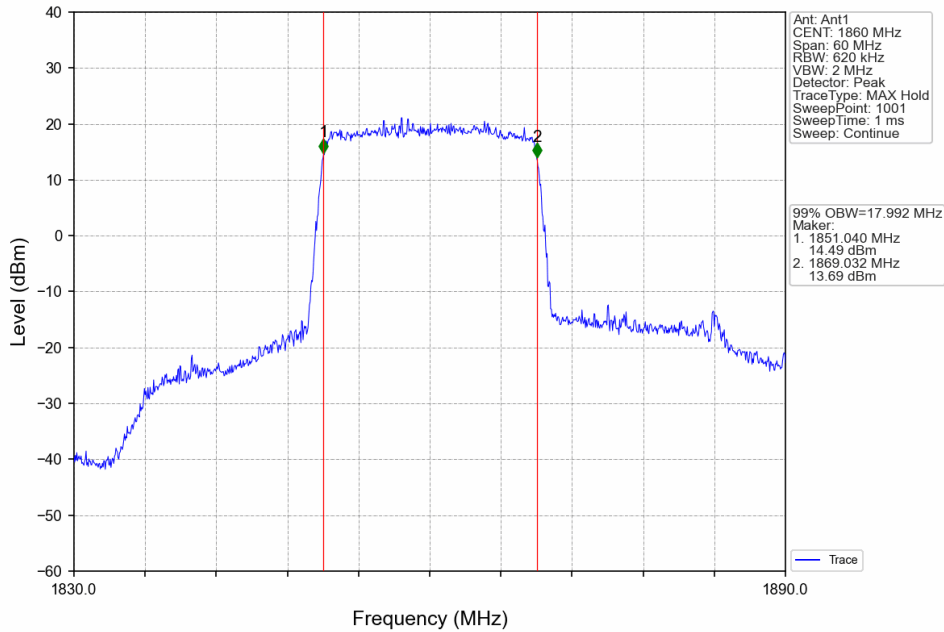
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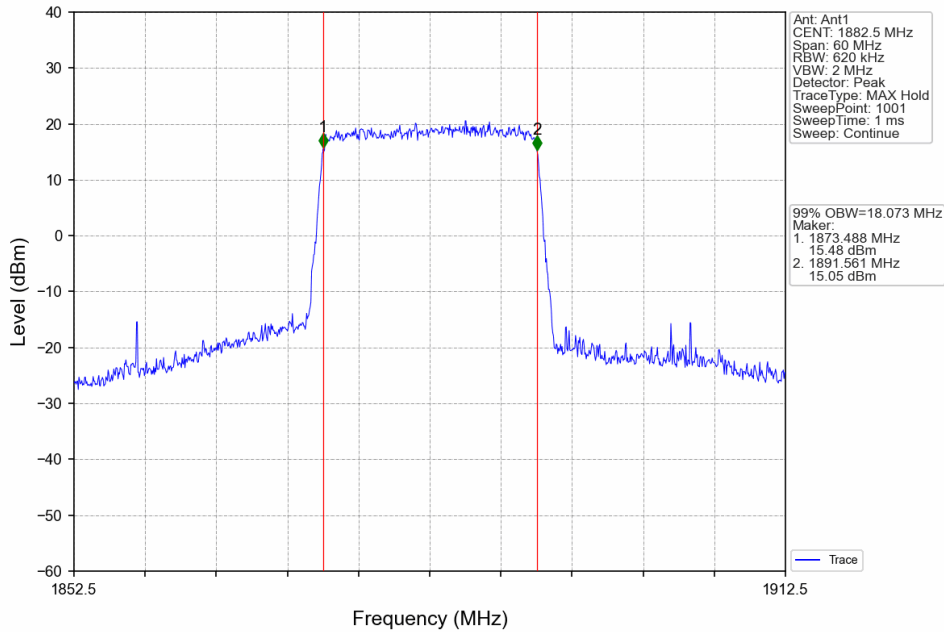
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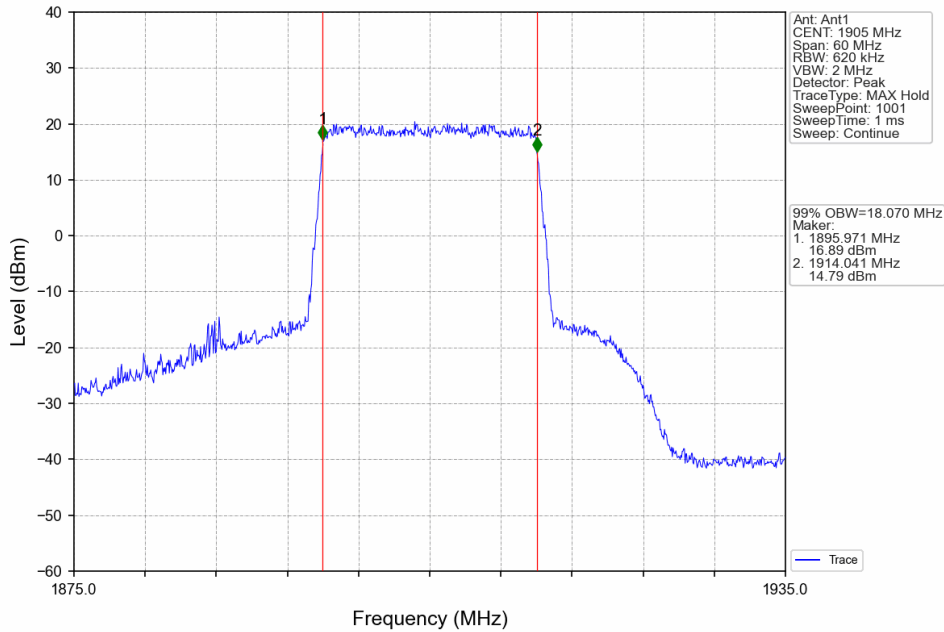


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2.2 Band25\_XDB

2.2.1 Test Result

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	1.266	/	Pass
		1882.5	6	0	1.258	/	Pass
		1914.3	6	0	1.268	/	Pass
	16QAM	1850.7	6	0	1.253	/	Pass
		1882.5	6	0	1.272	/	Pass
		1914.3	6	0	1.273	/	Pass
	64QAM	1850.7	6	0	1.274	/	Pass
		1882.5	6	0	1.249	/	Pass
		1914.3	6	0	1.264	/	Pass
3	QPSK	1851.5	15	0	3.074	/	Pass
		1882.5	15	0	3.047	/	Pass
		1913.5	15	0	3.088	/	Pass
	16QAM	1851.5	15	0	3.089	/	Pass
		1882.5	15	0	3.069	/	Pass
		1913.5	15	0	3.059	/	Pass
	64QAM	1851.5	15	0	3.050	/	Pass
		1882.5	15	0	3.059	/	Pass
		1913.5	15	0	3.069	/	Pass
5	QPSK	1852.5	25	0	5.025	/	Pass
		1882.5	25	0	5.051	/	Pass
		1912.5	25	0	5.052	/	Pass
	16QAM	1852.5	25	0	5.041	/	Pass
		1882.5	25	0	5.042	/	Pass
		1912.5	25	0	5.062	/	Pass
	64QAM	1852.5	25	0	5.049	/	Pass
		1882.5	25	0	5.021	/	Pass
		1912.5	25	0	5.028	/	Pass
10	QPSK	1855	50	0	9.961	/	Pass
		1882.5	50	0	9.940	/	Pass
		1910	50	0	9.919	/	Pass
	16QAM	1855	50	0	9.911	/	Pass
		1882.5	50	0	9.987	/	Pass
		1910	50	0	10.003	/	Pass
	64QAM	1855	50	0	9.962	/	Pass
		1882.5	50	0	9.921	/	Pass
		1910	50	0	9.920	/	Pass
15	QPSK	1857.5	75	0	14.954	/	Pass
		1882.5	75	0	14.896	/	Pass
		1907.5	75	0	14.884	/	Pass
	16QAM	1857.5	75	0	14.944	/	Pass



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# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

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Rev.: 01

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	64QAM	1882.5	75	0	14.977	/	Pass
		1907.5	75	0	14.884	/	Pass
		1857.5	75	0	14.929	/	Pass
		1882.5	75	0	18.491	/	Pass
		1907.5	75	0	14.947	/	Pass
20	QPSK	1860	100	0	19.905	/	Pass
		1882.5	100	0	19.763	/	Pass
		1905	100	0	19.879	/	Pass
	16QAM	1860	100	0	19.802	/	Pass
		1882.5	100	0	19.830	/	Pass
		1905	100	0	19.701	/	Pass
	64QAM	1860	100	0	19.725	/	Pass
		1882.5	100	0	19.779	/	Pass
		1905	100	0	19.932	/	Pass



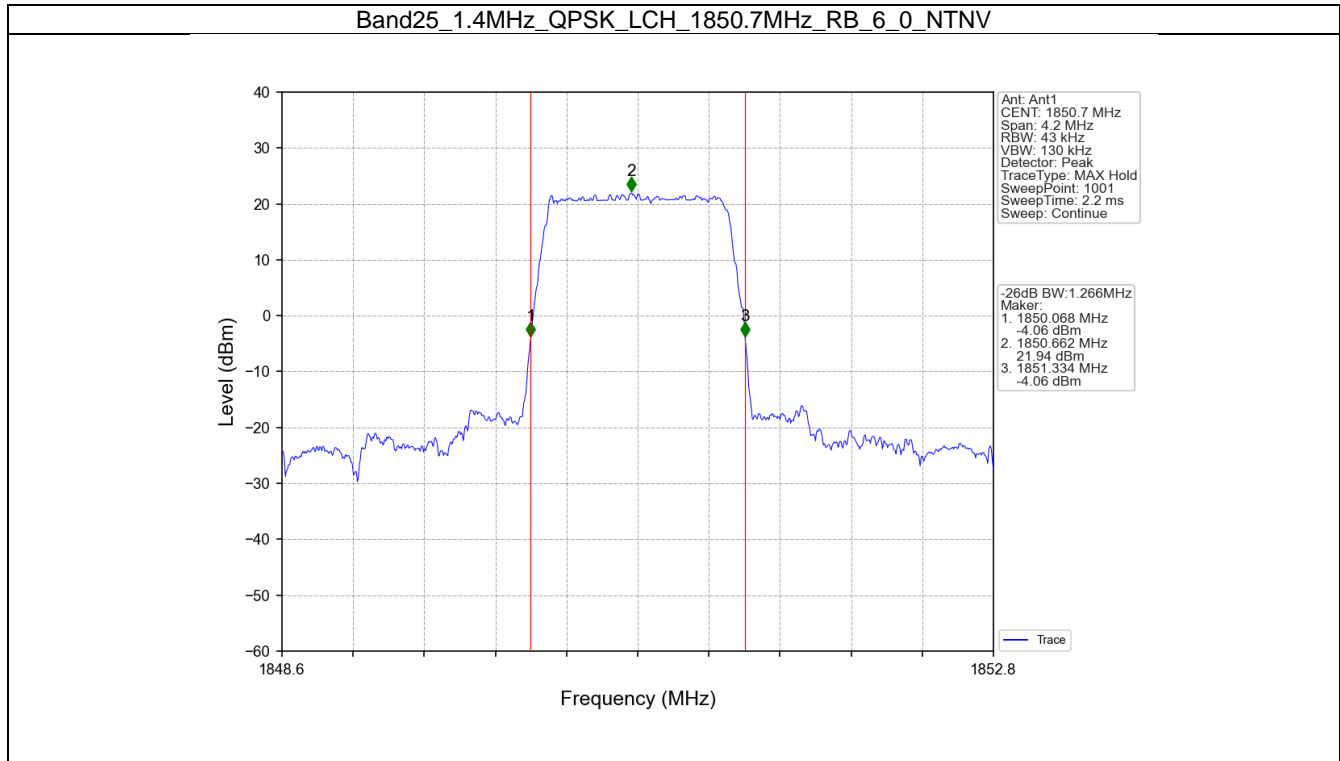
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2.2.2 Test Graph

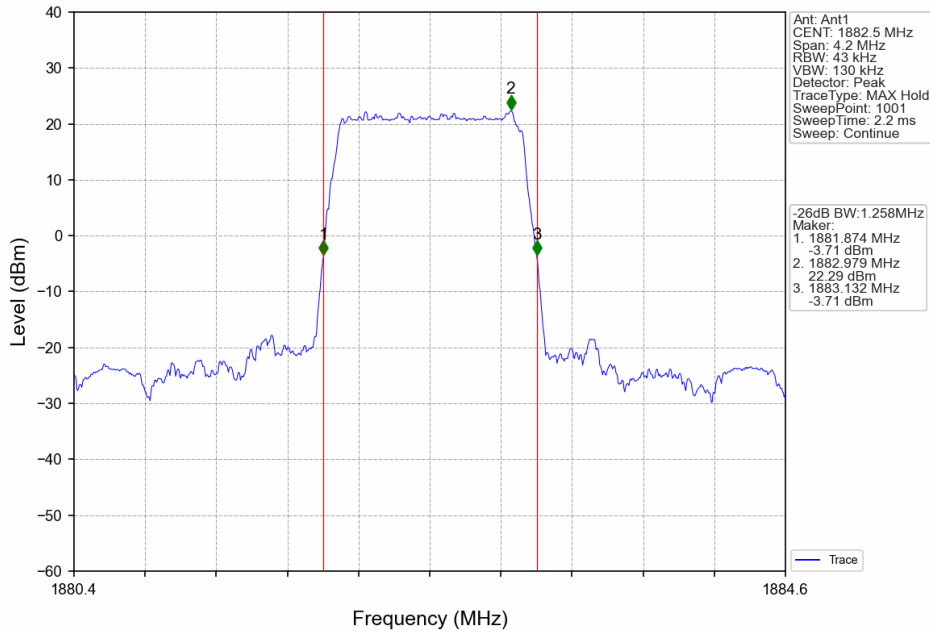


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Band25\_1.4MHz\_QPSK\_MCH\_1882.5MHz\_RB\_6\_0\_NTNV

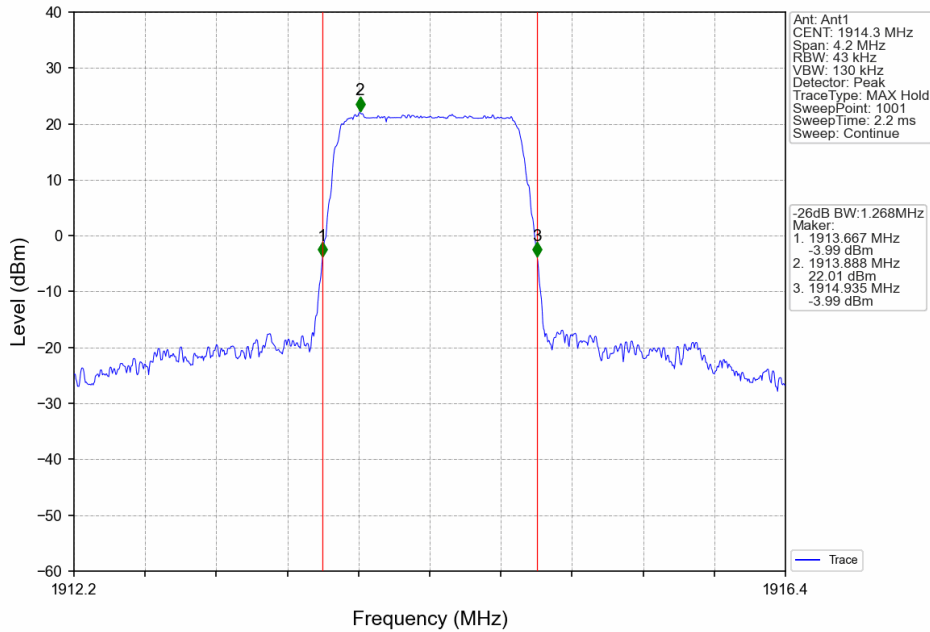


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Band25\_1.4MHz\_QPSK\_HCH\_1914.3MHz\_RB\_6\_0\_NTNV



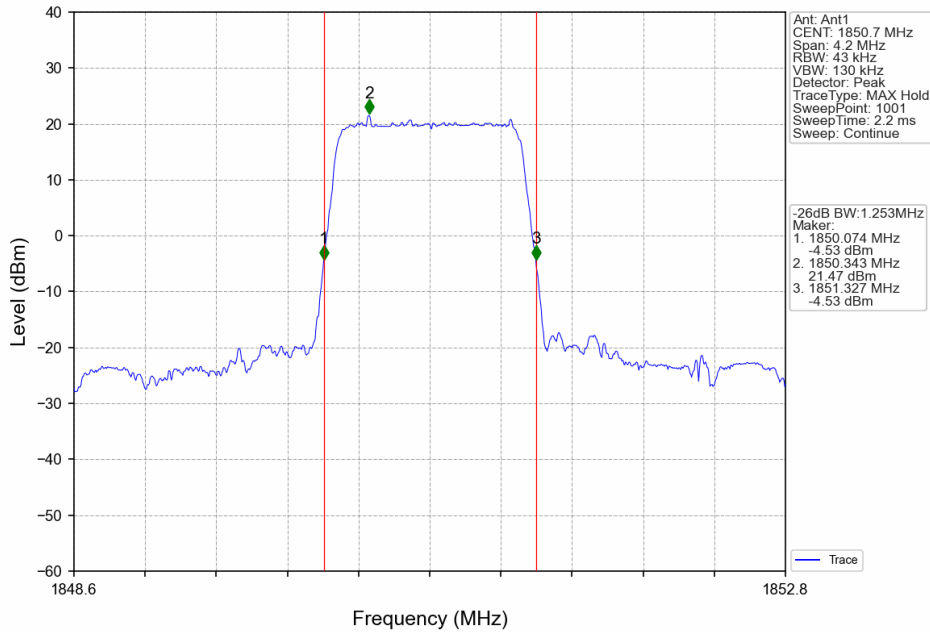
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Band25\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV

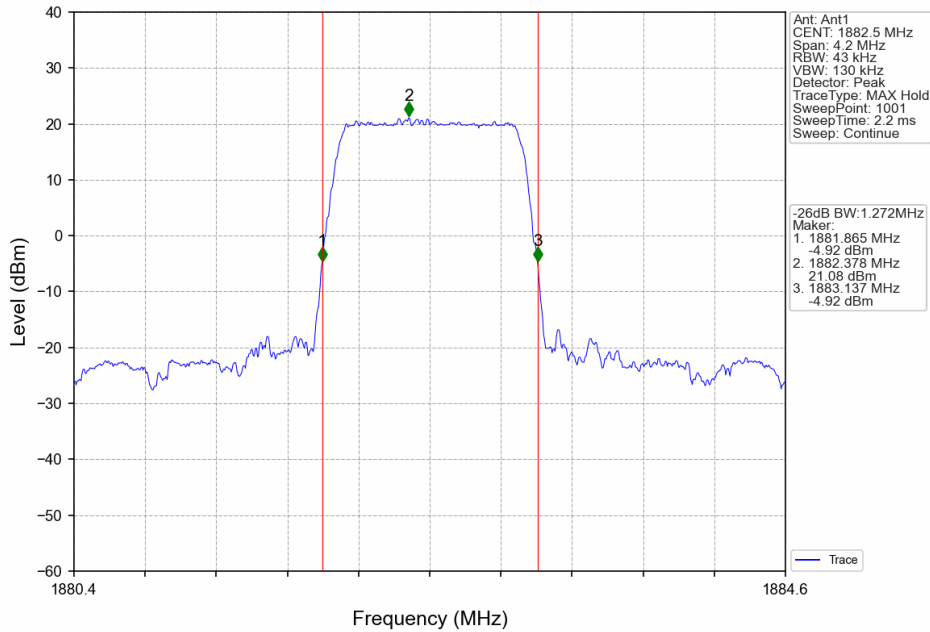


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Band25\_1.4MHz\_16QAM\_MCH\_1882.5MHz\_RB\_6\_0\_NTNV

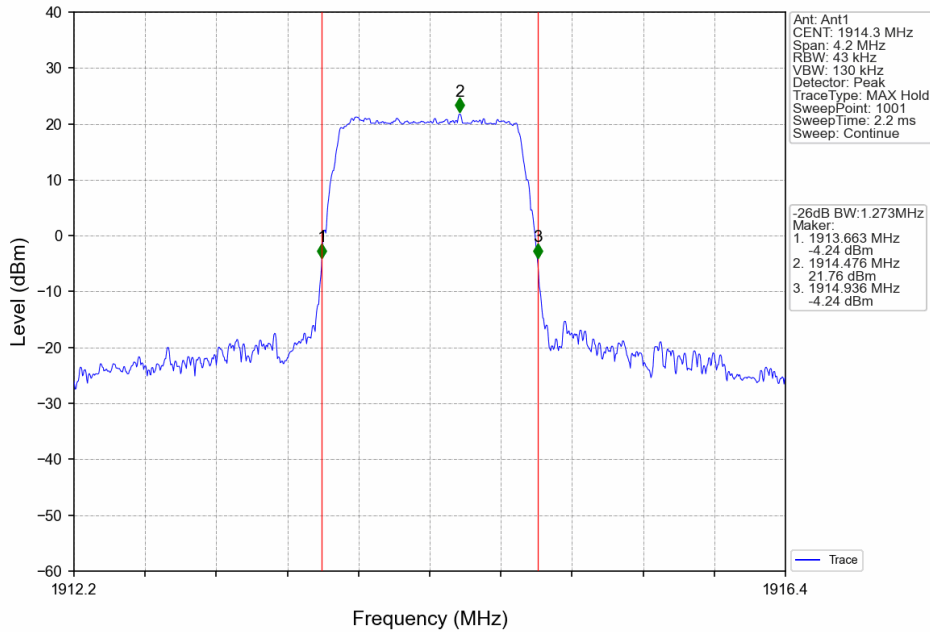


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Band25\_1.4MHz\_16QAM\_HCH\_1914.3MHz\_RB\_6\_0\_NTNV



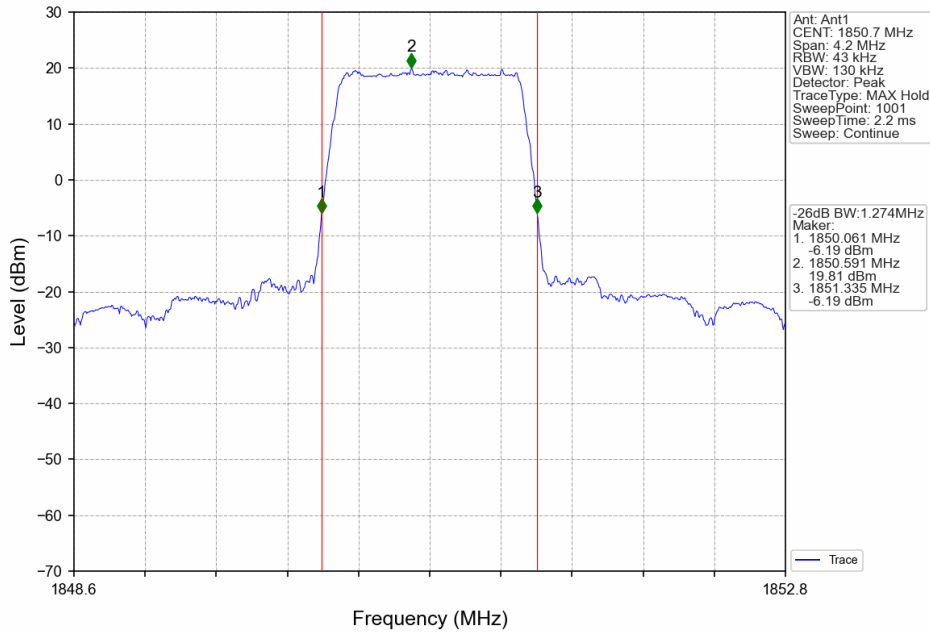
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Band25\_1.4MHz\_64QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV

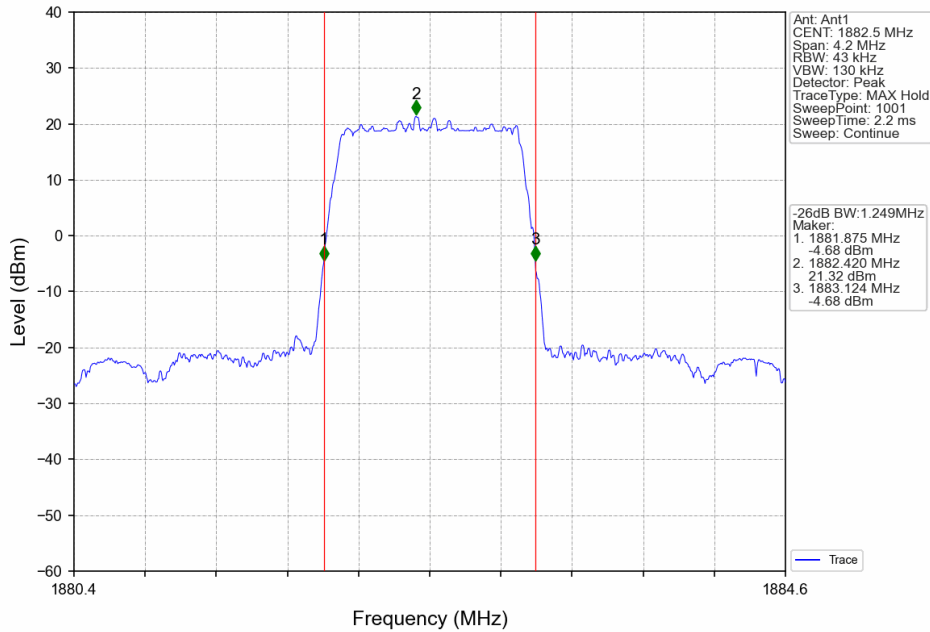


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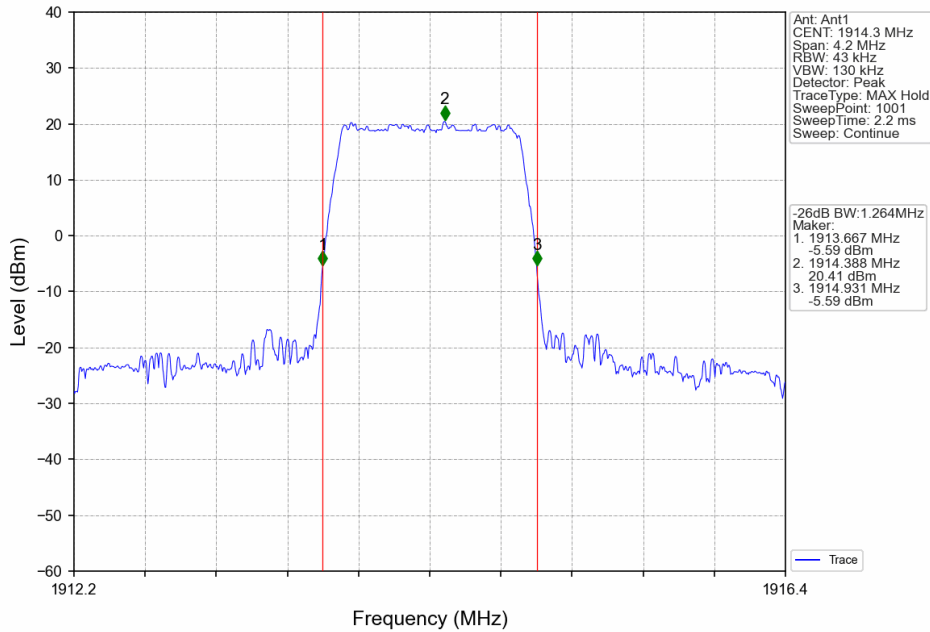


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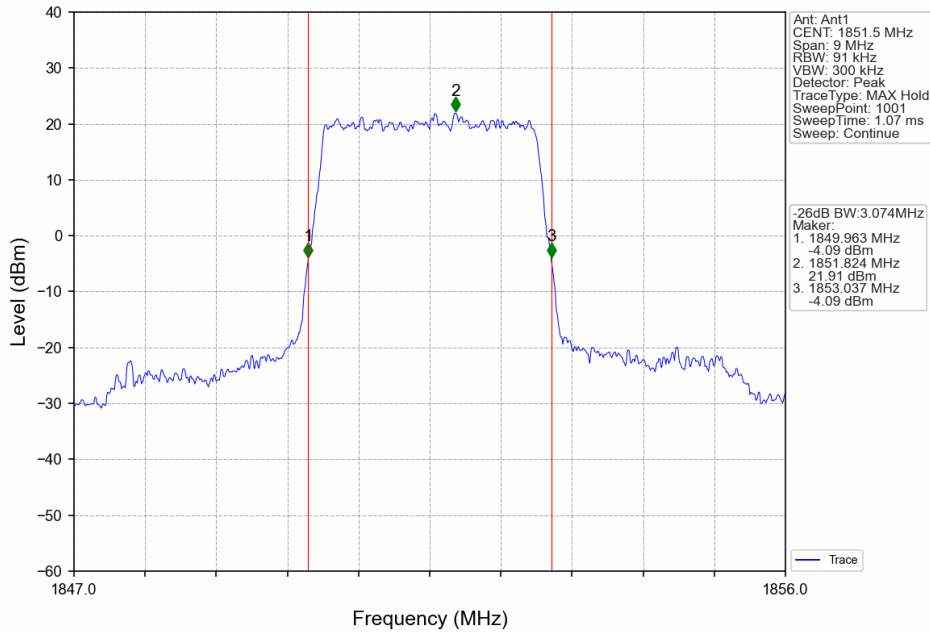


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Band25\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV

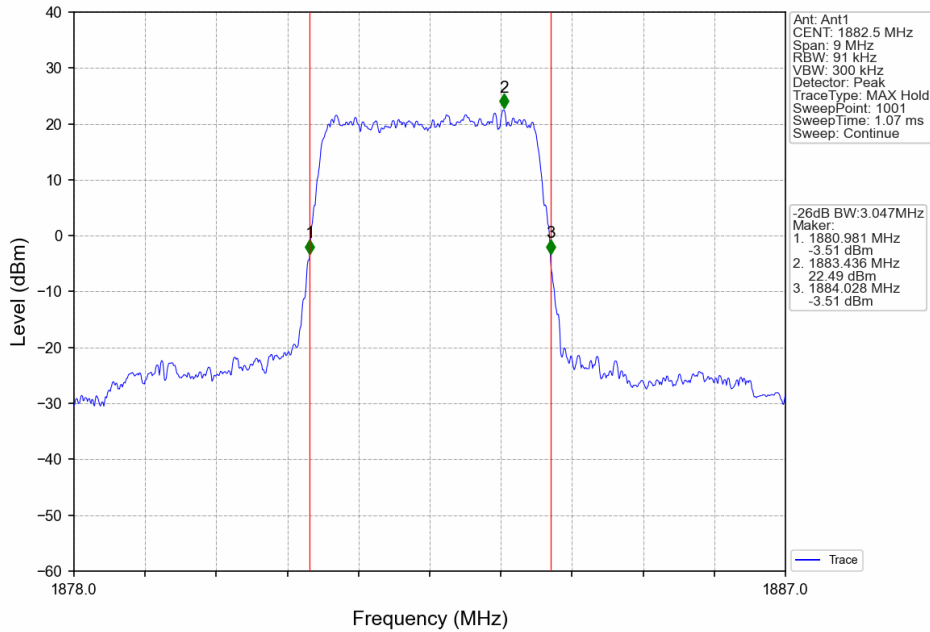


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Band25\_3MHz\_QPSK\_MCH\_1882.5MHz\_RB\_15\_0\_NTNV



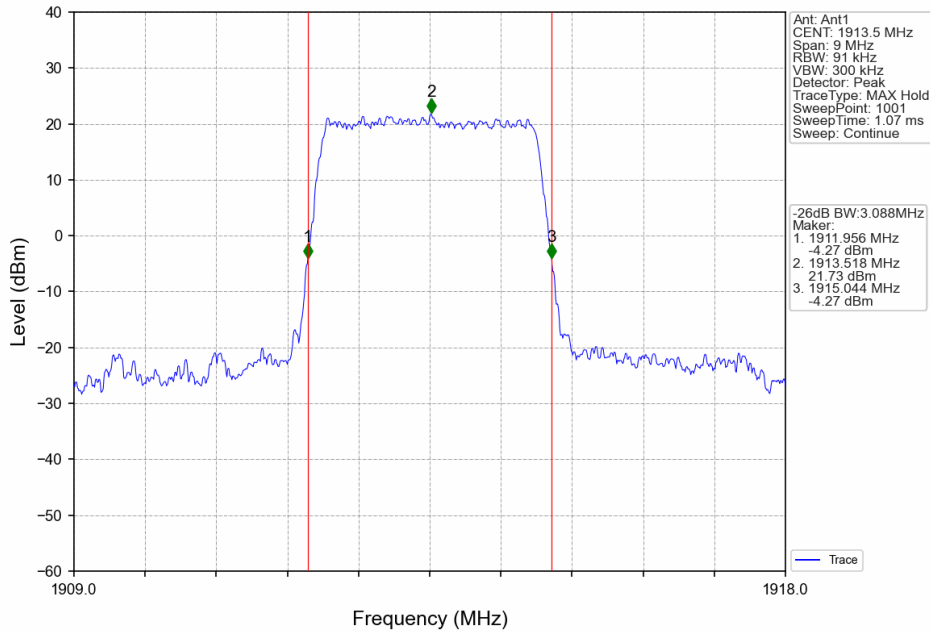
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Band25\_3MHz\_QPSK\_HCH\_1913.5MHz\_RB\_15\_0\_NTNV

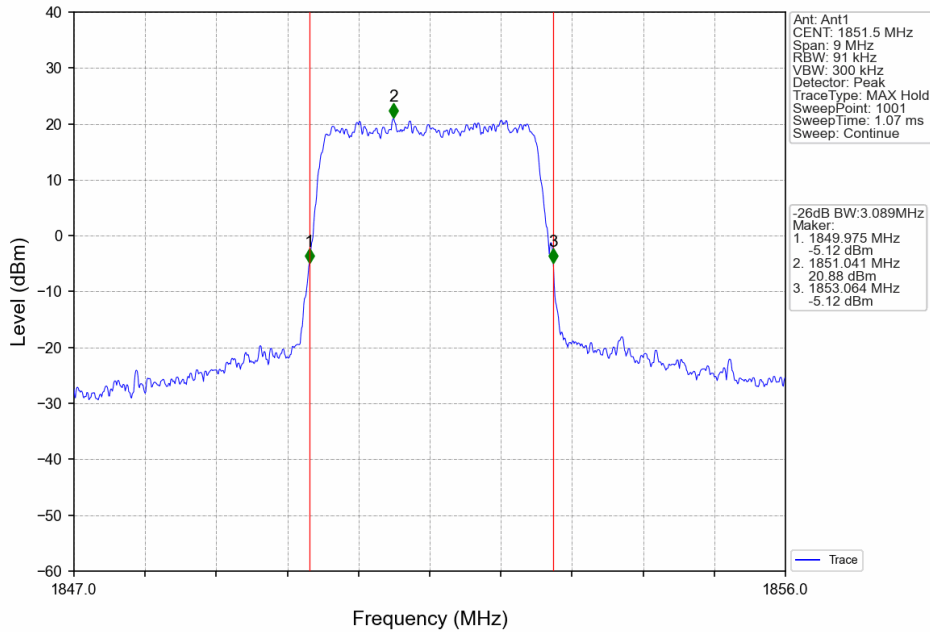


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Band25\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV

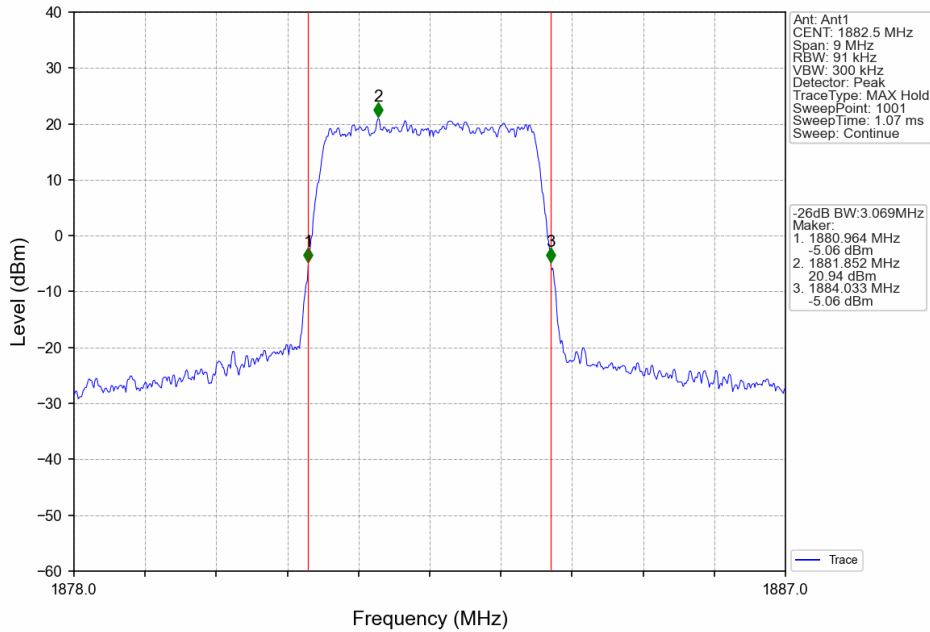


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Band25\_3MHz\_16QAM\_MCH\_1882.5MHz\_RB\_15\_0\_NTNV

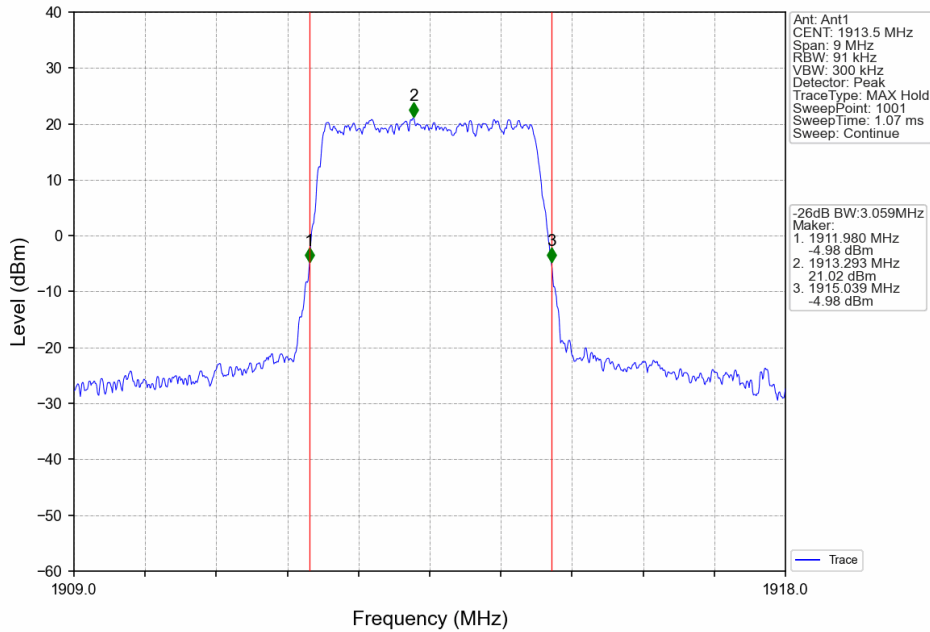


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Band25\_3MHz\_16QAM\_HCH\_1913.5MHz\_RB\_15\_0\_NTNV

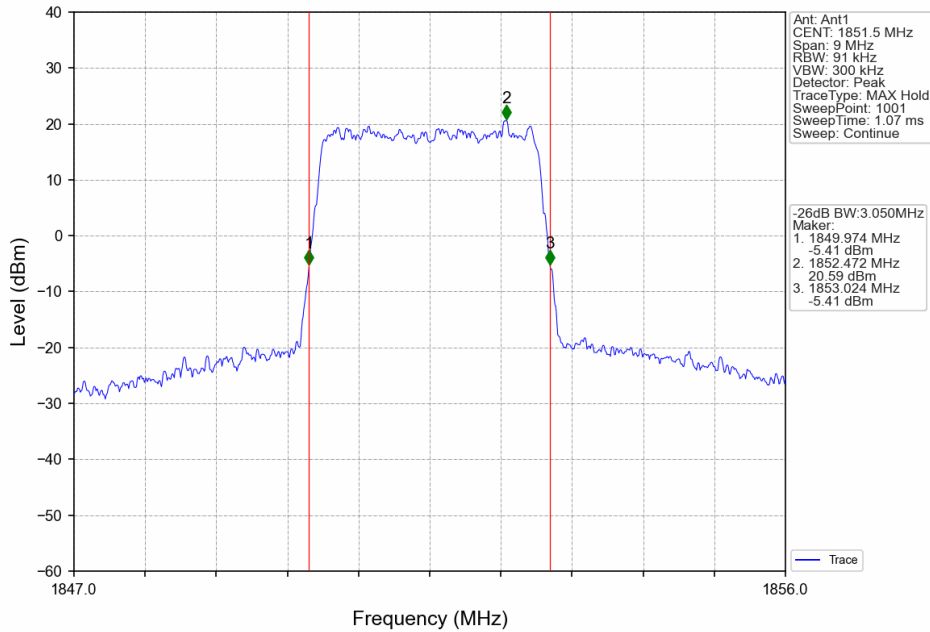


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Band25\_3MHz\_64QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



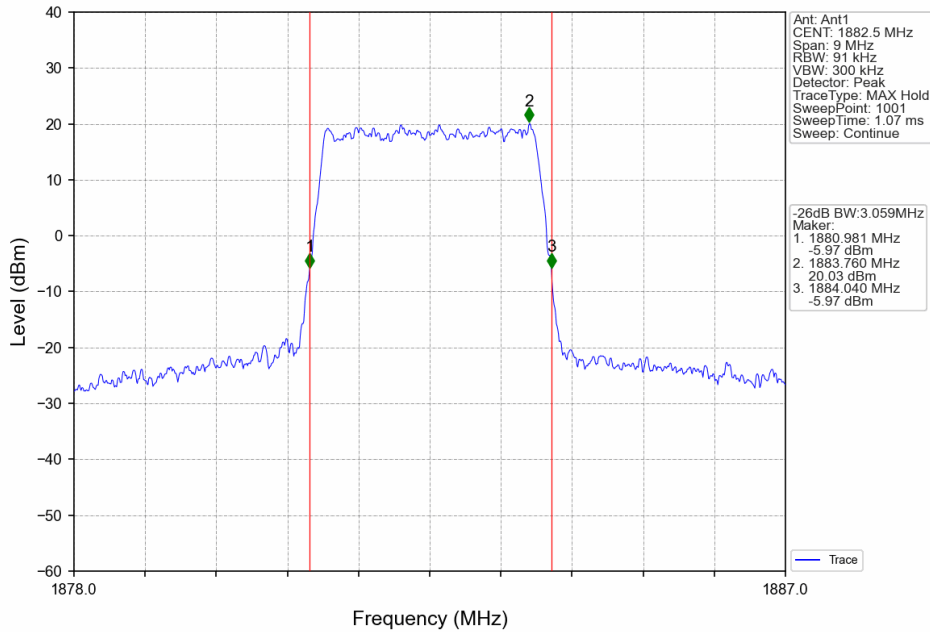
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Band25\_3MHz\_64QAM\_MCH\_1882.5MHz\_RB\_15\_0\_NTNV

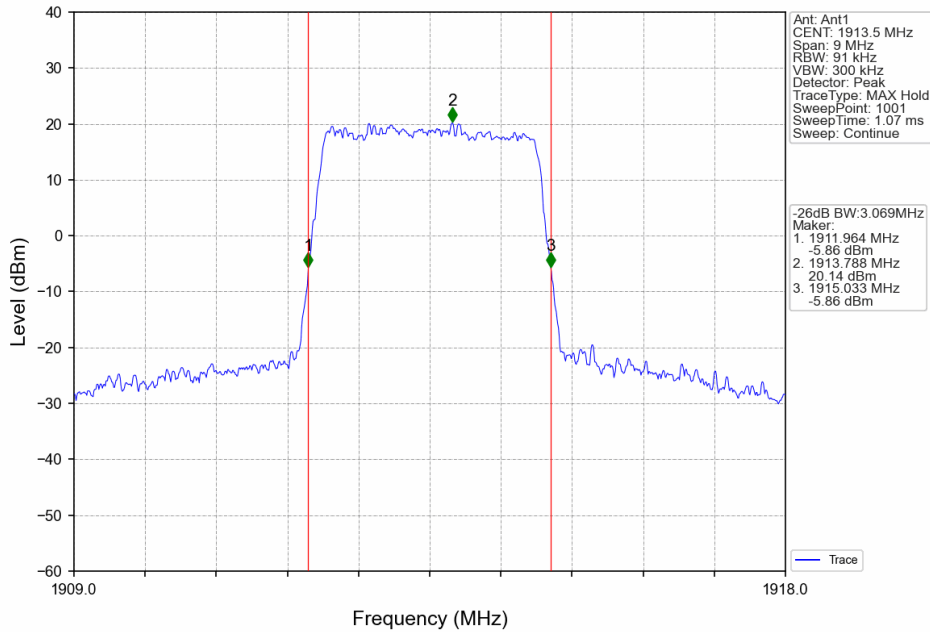


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Band25\_3MHz\_64QAM\_HCH\_1913.5MHz\_RB\_15\_0\_NTNV

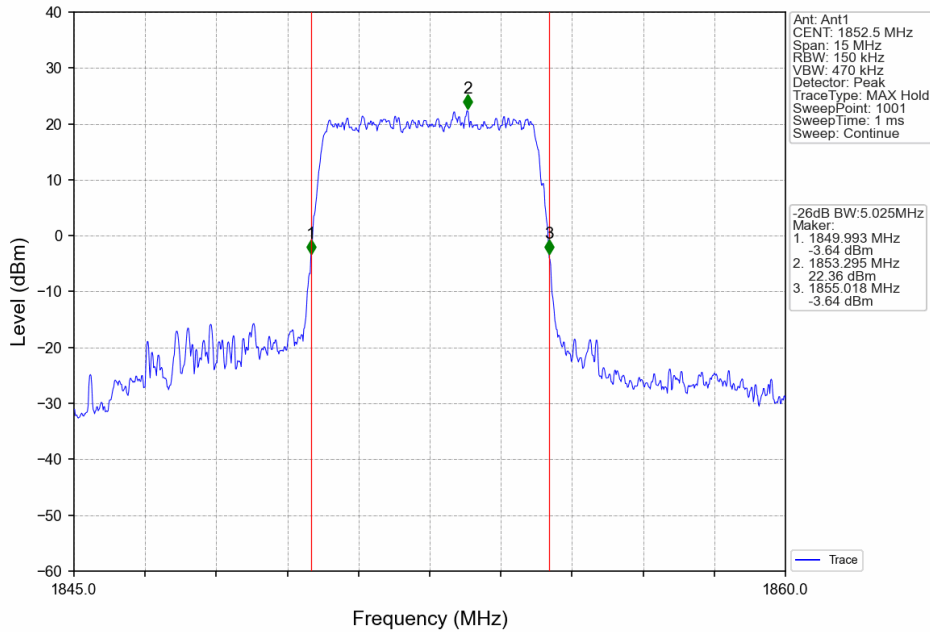


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Band25\_5MHz\_QPSK\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



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