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Appendix B.6

LTE Band 2



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1. Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	14.36	14.7	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	14.67	15.01	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	14.64	14.98	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	13.71	14.05	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	14.93	15.27	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	14.76	15.1	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	14.75	15.09	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	13.48	13.82	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	14.47	14.81	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	14.54	14.88	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	14.59	14.93	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	13.42	13.76	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	13.95	14.29	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	13.63	13.97	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	13.61	13.95	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	12.4	12.74	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	13.86	14.2	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	13.9	14.24	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	14	14.34	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	12.77	13.11	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	13.7	14.04	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	13.62	13.96	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	13.66	14	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	12.71	13.05	33.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	12.79	13.13	33.00	PASS



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Table with 9 columns: Band, Frequency, Modulation, Power, Bandwidth, SNR, BER, Error Rate, Result. Contains 30 rows of test data for various modulation schemes (64QAM, QPSK, 16QAM) and bandwidths (1.4MHz, 3MHz).



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Table with 9 columns: Band, Frequency, Modulation, Rate, RB, SNR, BER, Error Rate, Result. Contains 30 rows of test data for various modulation schemes (16QAM, 64QAM, QPSK) and rates.



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Table with 9 columns: Band, Frequency, Modulation, Channel Spacing, Bandwidth, SNR, Adjacent Channel Power, and Result. Contains 30 rows of test data.



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Table with 9 columns: Band, Frequency, Modulation, Channel Spacing, Bandwidth, SNR, C/N, BER, and Result. It contains 30 rows of test data for various modulation schemes like QPSK and 16QAM/64QAM.



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Table with 9 columns: Band, Frequency, Modulation, Channel, Bandwidth, BER, Error Rate, Power, and Result. Contains 30 rows of test data for various modulation schemes like 64QAM, QPSK, and 16QAM.



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Table with 9 columns: Band, Frequency, Modulation, Channel Spacing, Bandwidth, SNR, C/N, BER, and Result. It contains 30 rows of test data for various modulation schemes like 64QAM, QPSK, and 16QAM.



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Table with 9 columns: Band, Frequency, Modulation, Power, Bandwidth, SNR, C/N, and Result. It contains 18 rows of test data, all showing 'PASS' results.



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2. Frequency Stability

2.1 B2_1.4MHz

2.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1850.7	6	0	20	3.5	0.241	0.0001	/	Pass	
					3.87	-2.155	-0.0012	/	Pass	
					4.45	3.310	0.0018	/	Pass	
				-30	3.87	0.232	0.0001	/	Pass	
					-20	3.87	0.791	0.0004	/	Pass
						-10	3.87	2.198	0.0012	/
				0	3.87	-1.032	-0.0006	/	Pass	
					10	3.87	1.979	0.0011	/	Pass
				30	3.87	0.740	0.0004	/	Pass	
	40	3.87	6.587		0.0036	/	Pass			
	50	3.87	0.738	0.0004	/	Pass				
	1880	6	0	20	3.5	-4.039	-0.0021	/	Pass	
					3.87	-3.351	-0.0018	/	Pass	
					4.45	5.039	0.0027	/	Pass	
				-30	3.87	7.118	0.0038	/	Pass	
					-20	3.87	1.123	0.0006	/	Pass
						-10	3.87	-2.693	-0.0014	/
				0	3.87	-0.522	-0.0003	/	Pass	
					10	3.87	-1.989	-0.0011	/	Pass
				30	3.87	-0.310	-0.0002	/	Pass	
	40	3.87	2.276		0.0012	/	Pass			
	50	3.87	6.591	0.0035	/	Pass				
	1909.3	6	0	20	3.5	2.040	0.0011	/	Pass	
					3.87	1.053	0.0006	/	Pass	
					4.45	5.392	0.0028	/	Pass	
				-30	3.87	5.958	0.0031	/	Pass	
					-20	3.87	4.840	0.0025	/	Pass
-10						3.87	3.137	0.0016	/	Pass
0				3.87	5.898	0.0031	/	Pass		
				10	3.87	-2.677	-0.0014	/	Pass	
30				3.87	0.596	0.0003	/	Pass		
	40	3.87	0.862	0.0005	/	Pass				
50	3.87	1.522	0.0008	/	Pass					
16QAM	1850.7	6	0	20	3.5	-2.565	-0.0014	/	Pass	
					3.87	-0.244	-0.0001	/	Pass	
					4.45	-2.954	-0.0016	/	Pass	
				-30	3.87	-0.375	-0.0002	/	Pass	



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64QAM	1880	6	0	-20	3.87	3.735	0.0020	/	Pass			
				-10	3.87	0.164	0.0001	/	Pass			
				0	3.87	-0.138	-0.0001	/	Pass			
				10	3.87	0.637	0.0003	/	Pass			
				30	3.87	-1.661	-0.0009	/	Pass			
				40	3.87	-0.615	-0.0003	/	Pass			
				50	3.87	2.655	0.0014	/	Pass			
	1909.3	6	0	20	3.5	3.453	0.0018	/	Pass			
					3.87	1.819	0.0010	/	Pass			
					4.45	6.152	0.0033	/	Pass			
				-30	3.87	-1.118	-0.0006	/	Pass			
				-20	3.87	0.445	0.0002	/	Pass			
				-10	3.87	2.971	0.0016	/	Pass			
				0	3.87	4.548	0.0024	/	Pass			
				10	3.87	-2.204	-0.0012	/	Pass			
				30	3.87	2.666	0.0014	/	Pass			
				40	3.87	3.723	0.0020	/	Pass			
				50	3.87	4.258	0.0023	/	Pass			
				1850.7	6	0	20	3.5	-2.875	-0.0015	/	Pass
								3.87	-0.312	-0.0002	/	Pass
								4.45	4.314	0.0023	/	Pass
-30	3.87	1.634	0.0009				/	Pass				
-20	3.87	-3.552	-0.0019				/	Pass				
-10	3.87	2.417	0.0013				/	Pass				
0	3.87	0.966	0.0005				/	Pass				
10	3.87	1.208	0.0006				/	Pass				
30	3.87	2.324	0.0012				/	Pass				
40	3.87	-4.335	-0.0023				/	Pass				
50	3.87	-0.496	-0.0003				/	Pass				
1880	6	0	20				3.5	-0.922	-0.0005	/	Pass	
							3.87	3.772	0.0020	/	Pass	
							4.45	2.608	0.0014	/	Pass	
			-30	3.87	1.274	0.0007	/	Pass				
			-20	3.87	0.809	0.0004	/	Pass				
			-10	3.87	1.443	0.0008	/	Pass				
			0	3.87	-2.100	-0.0011	/	Pass				
			10	3.87	0.946	0.0005	/	Pass				
			30	3.87	6.276	0.0034	/	Pass				
			40	3.87	2.252	0.0012	/	Pass				
			50	3.87	3.549	0.0019	/	Pass				
			1880	6	0	20	3.5	3.455	0.0018	/	Pass	
							3.87	3.402	0.0018	/	Pass	
							4.45	-1.670	-0.0009	/	Pass	
-30	3.87	-2.420				-0.0013	/	Pass				
-20	3.87	-1.106				-0.0006	/	Pass				
-10	3.87	2.319				0.0012	/	Pass				
0	3.87	2.629				0.0014	/	Pass				
10	3.87	-2.026	-0.0011	/	Pass							
30	3.87	-7.938	-0.0042	/	Pass							



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1909.3	6	0	40	3.87	4.515	0.0024	/	Pass
			50	3.87	0.270	0.0001	/	Pass
			20	3.5	-2.196	-0.0012	/	Pass
				3.87	5.644	0.0030	/	Pass
				4.45	-2.138	-0.0011	/	Pass
			-30	3.87	-2.725	-0.0014	/	Pass
			-20	3.87	4.268	0.0022	/	Pass
			-10	3.87	0.993	0.0005	/	Pass
			0	3.87	2.978	0.0016	/	Pass
			10	3.87	-0.800	-0.0004	/	Pass
			30	3.87	0.379	0.0002	/	Pass
			40	3.87	-4.533	-0.0024	/	Pass
			50	3.87	-1.625	-0.0009	/	Pass



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2.2 B2_3MHz

2.2.1 Test Result

Band: 2 / Bandwidth: 3MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1851.5	15	0	20	3.5	-7.593	-0.0041	/	Pass	
					3.87	-5.089	-0.0027	/	Pass	
					4.45	2.296	0.0012	/	Pass	
				-30	3.87	5.247	0.0028	/	Pass	
					-20	3.87	0.915	0.0005	/	Pass
						-10	3.87	0.755	0.0004	/
				0	3.87	-0.469	-0.0003	/	Pass	
				10	3.87	2.831	0.0015	/	Pass	
				30	3.87	-1.258	-0.0007	/	Pass	
	40	3.87	2.975	0.0016	/	Pass				
	50	3.87	-0.301	-0.0002	/	Pass				
	1880	15	0	20	3.5	4.200	0.0022	/	Pass	
					3.87	0.833	0.0004	/	Pass	
					4.45	1.747	0.0009	/	Pass	
				-30	3.87	-2.269	-0.0012	/	Pass	
					-20	3.87	-2.082	-0.0011	/	Pass
						-10	3.87	1.145	0.0006	/
				0	3.87	0.318	0.0002	/	Pass	
				10	3.87	2.610	0.0014	/	Pass	
				30	3.87	1.967	0.0010	/	Pass	
	40	3.87	0.525	0.0003	/	Pass				
	50	3.87	-1.633	-0.0009	/	Pass				
	1908.5	15	0	20	3.5	3.397	0.0018	/	Pass	
					3.87	1.622	0.0008	/	Pass	
					4.45	3.504	0.0018	/	Pass	
				-30	3.87	-2.961	-0.0016	/	Pass	
					-20	3.87	-2.124	-0.0011	/	Pass
-10						3.87	-2.365	-0.0012	/	Pass
0				3.87	5.653	0.0030	/	Pass		
10				3.87	0.821	0.0004	/	Pass		
30				3.87	-1.339	-0.0007	/	Pass		
40	3.87	-2.951	-0.0015	/	Pass					
50	3.87	-0.022	0.0000	/	Pass					
16QAM	1851.5	15	0	20	3.5	-0.615	-0.0003	/	Pass	
					3.87	1.265	0.0007	/	Pass	
					4.45	3.339	0.0018	/	Pass	
				-30	3.87	4.494	0.0024	/	Pass	
					-20	3.87	-2.556	-0.0014	/	Pass
				-10	3.87	-1.211	-0.0007	/	Pass	
				0	3.87	-7.751	-0.0042	/	Pass	
10	3.87	4.942	0.0027	/	Pass					



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				30	3.87	7.978	0.0043	/	Pass
				40	3.87	5.057	0.0027	/	Pass
				50	3.87	1.528	0.0008	/	Pass
1880	15	0	20	3.5	1.490	0.0008	/	Pass	
				3.87	-1.591	-0.0008	/	Pass	
				4.45	-0.049	0.0000	/	Pass	
			-30	3.87	-2.067	-0.0011	/	Pass	
			-20	3.87	-0.796	-0.0004	/	Pass	
			-10	3.87	0.300	0.0002	/	Pass	
			0	3.87	1.087	0.0006	/	Pass	
			10	3.87	0.256	0.0001	/	Pass	
			30	3.87	-2.164	-0.0012	/	Pass	
			40	3.87	0.014	0.0000	/	Pass	
			50	3.87	-3.574	-0.0019	/	Pass	
			1908.5	15	0	20	3.5	-5.213	-0.0027
3.87	-1.349	-0.0007					/	Pass	
4.45	-2.148	-0.0011					/	Pass	
-30	3.87	-3.090				-0.0016	/	Pass	
-20	3.87	-3.133				-0.0016	/	Pass	
-10	3.87	-0.422				-0.0002	/	Pass	
0	3.87	-0.688				-0.0004	/	Pass	
10	3.87	-2.747				-0.0014	/	Pass	
30	3.87	-3.837				-0.0020	/	Pass	
40	3.87	-0.565				-0.0003	/	Pass	
50	3.87	0.280				0.0001	/	Pass	
64QAM	1851.5	15				20	3.5	3.146	0.0017
			3.87	-1.570	-0.0008		/	Pass	
			4.45	2.582	0.0014		/	Pass	
			-30	3.87	3.926	0.0021	/	Pass	
			-20	3.87	4.943	0.0027	/	Pass	
			-10	3.87	2.953	0.0016	/	Pass	
			0	3.87	8.054	0.0043	/	Pass	
			10	3.87	8.827	0.0048	/	Pass	
			30	3.87	6.428	0.0035	/	Pass	
			40	3.87	7.178	0.0039	/	Pass	
			50	3.87	8.188	0.0044	/	Pass	
			1880	15	0	20	3.5	-0.860	-0.0005
	3.87	-1.602					-0.0009	/	Pass
	4.45	0.438					0.0002	/	Pass
	-30	3.87				2.323	0.0012	/	Pass
	-20	3.87				-0.582	-0.0003	/	Pass
	-10	3.87				-0.270	-0.0001	/	Pass
	0	3.87				1.232	0.0007	/	Pass
	10	3.87				1.202	0.0006	/	Pass
	30	3.87	-1.494	-0.0008	/	Pass			
40	3.87	0.743	0.0004	/	Pass				
50	3.87	-1.406	-0.0007	/	Pass				
1908.5	15	0	20	3.5	-1.700	-0.0009	/	Pass	
				3.87	-1.463	-0.0008	/	Pass	



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				4.45	1.934	0.0010	/	Pass
			-30	3.87	-1.128	-0.0006	/	Pass
			-20	3.87	4.679	0.0025	/	Pass
			-10	3.87	0.512	0.0003	/	Pass
			0	3.87	-0.208	-0.0001	/	Pass
			10	3.87	-0.571	-0.0003	/	Pass
			30	3.87	-5.277	-0.0028	/	Pass
			40	3.87	2.499	0.0013	/	Pass
			50	3.87	-0.127	-0.0001	/	Pass



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2.3 B2_5MHz

2.3.1 Test Result

Band: 2 / Bandwidth: 5MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1852.5	25	0	20	3.5	5.408	0.0029	/	Pass	
					3.87	4.781	0.0026	/	Pass	
					4.45	0.509	0.0003	/	Pass	
				-30	3.87	4.809	0.0026	/	Pass	
					-20	3.87	2.765	0.0015	/	Pass
						-10	3.87	3.652	0.0020	/
				0	3.87	4.878	0.0026	/	Pass	
				10	3.87	-0.523	-0.0003	/	Pass	
				30	3.87	1.985	0.0011	/	Pass	
				40	3.87	4.190	0.0023	/	Pass	
	50	3.87	-0.300	-0.0002	/	Pass				
	1880	25	0	20	3.5	5.292	0.0028	/	Pass	
					3.87	4.318	0.0023	/	Pass	
					4.45	2.710	0.0014	/	Pass	
				-30	3.87	5.223	0.0028	/	Pass	
					-20	3.87	2.202	0.0012	/	Pass
						-10	3.87	3.693	0.0020	/
				0	3.87	2.457	0.0013	/	Pass	
				10	3.87	3.244	0.0017	/	Pass	
				30	3.87	0.446	0.0002	/	Pass	
				40	3.87	0.251	0.0001	/	Pass	
	50	3.87	7.293	0.0039	/	Pass				
	1907.5	25	0	20	3.5	0.528	0.0003	/	Pass	
					3.87	6.650	0.0035	/	Pass	
					4.45	3.540	0.0019	/	Pass	
				-30	3.87	2.921	0.0015	/	Pass	
					-20	3.87	7.321	0.0038	/	Pass
						-10	3.87	0.155	0.0001	/
				0	3.87	1.262	0.0007	/	Pass	
				10	3.87	4.760	0.0025	/	Pass	
30				3.87	3.067	0.0016	/	Pass		
40				3.87	0.109	0.0001	/	Pass		
50	3.87	3.147	0.0016	/	Pass					
16QAM	1852.5	25	0	20	3.5	1.400	0.0008	/	Pass	
					3.87	1.179	0.0006	/	Pass	
					4.45	2.297	0.0012	/	Pass	
				-30	3.87	7.798	0.0042	/	Pass	
					-20	3.87	2.690	0.0015	/	Pass
						-10	3.87	6.475	0.0035	/
				0	3.87	-1.902	-0.0010	/	Pass	
				10	3.87	5.691	0.0031	/	Pass	



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				30	3.87	2.775	0.0015	/	Pass					
				40	3.87	3.243	0.0018	/	Pass					
				50	3.87	0.442	0.0002	/	Pass					
1880	25	0		20	3.5	-1.339	-0.0007	/	Pass					
					3.87	3.769	0.0020	/	Pass					
					4.45	1.710	0.0009	/	Pass					
								-30	3.87	-0.310	-0.0002	/	Pass	
									-20	3.87	-2.867	-0.0015	/	Pass
									-10	3.87	4.206	0.0022	/	Pass
								0	0	3.87	0.463	0.0002	/	Pass
									10	3.87	0.833	0.0004	/	Pass
									30	3.87	4.356	0.0023	/	Pass
									40	3.87	1.499	0.0008	/	Pass
									50	3.87	2.953	0.0016	/	Pass
									1907.5	25	0		20	3.5
3.87	-9.818	-0.0051	/											Pass
4.45	8.828	0.0046	/											Pass
				-30	3.87	8.841	0.0046	/					Pass	
					-20	3.87	7.621	0.0040					/	Pass
					-10	3.87	5.755	0.0030					/	Pass
				0	0	3.87	5.544	0.0029					/	Pass
					10	3.87	2.206	0.0012					/	Pass
					30	3.87	1.581	0.0008					/	Pass
					40	3.87	4.129	0.0022					/	Pass
					50	3.87	3.541	0.0019	/	Pass				
					1852.5	25	0		20	3.5	5.846	0.0032	/	Pass
										3.87	5.760	0.0031	/	Pass
4.45	3.296	0.0018	/	Pass										
				-30					3.87	-8.692	-0.0047	/	Pass	
									-20	3.87	8.153	0.0044	/	Pass
									-10	3.87	5.907	0.0032	/	Pass
				0					0	3.87	5.233	0.0028	/	Pass
									10	3.87	3.415	0.0018	/	Pass
									30	3.87	1.442	0.0008	/	Pass
									40	3.87	6.154	0.0033	/	Pass
					50	3.87	1.672	0.0009	/	Pass				
					1880	25	0		20	3.5	5.847	0.0031	/	Pass
										3.87	-0.245	-0.0001	/	Pass
4.45	4.175	0.0022	/	Pass										
				-30					3.87	0.661	0.0004	/	Pass	
									-20	3.87	2.275	0.0012	/	Pass
									-10	3.87	-0.875	-0.0005	/	Pass
				0					0	3.87	4.535	0.0024	/	Pass
									10	3.87	0.116	0.0001	/	Pass
									30	3.87	3.428	0.0018	/	Pass
									40	3.87	1.691	0.0009	/	Pass
					50	3.87	-1.079	-0.0006	/	Pass				
					1907.5	25	0	20	3.5	2.899	0.0015	/	Pass	
									3.87	7.084	0.0037	/	Pass	



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				4.45	1.679	0.0009	/	Pass
			-30	3.87	4.333	0.0023	/	Pass
			-20	3.87	2.826	0.0015	/	Pass
			-10	3.87	0.892	0.0005	/	Pass
			0	3.87	0.588	0.0003	/	Pass
			10	3.87	0.097	0.0001	/	Pass
			30	3.87	6.040	0.0032	/	Pass
			40	3.87	3.889	0.0020	/	Pass
			50	3.87	4.242	0.0022	/	Pass



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2.4 B2_10MHz

2.4.1 Test Result

Band: 2 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1855	50	0	20	3.5	-0.250	-0.0001	/	Pass	
					3.87	-2.763	-0.0015	/	Pass	
					4.45	-2.911	-0.0016	/	Pass	
				-30	3.87	-5.873	-0.0032	/	Pass	
					-20	3.87	-1.117	-0.0006	/	Pass
						-10	3.87	-2.046	-0.0011	/
				0	3.87	-4.915	-0.0026	/	Pass	
				10	3.87	-4.973	-0.0027	/	Pass	
				30	3.87	-3.174	-0.0017	/	Pass	
				40	3.87	0.507	0.0003	/	Pass	
	50	3.87	-4.779	-0.0026	/	Pass				
	1880	50	0	20	3.5	4.424	0.0024	/	Pass	
					3.87	5.687	0.0030	/	Pass	
					4.45	1.456	0.0008	/	Pass	
				-30	3.87	-0.145	-0.0001	/	Pass	
					-20	3.87	2.780	0.0015	/	Pass
						-10	3.87	4.350	0.0023	/
				0	3.87	3.679	0.0020	/	Pass	
				10	3.87	6.540	0.0035	/	Pass	
				30	3.87	1.711	0.0009	/	Pass	
				40	3.87	6.470	0.0034	/	Pass	
	50	3.87	5.032	0.0027	/	Pass				
	1905	50	0	20	3.5	6.033	0.0032	/	Pass	
					3.87	7.565	0.0040	/	Pass	
					4.45	3.930	0.0021	/	Pass	
				-30	3.87	5.168	0.0027	/	Pass	
					-20	3.87	4.754	0.0025	/	Pass
						-10	3.87	3.390	0.0018	/
				0	3.87	4.356	0.0023	/	Pass	
				10	3.87	4.225	0.0022	/	Pass	
30				3.87	3.385	0.0018	/	Pass		
40				3.87	6.969	0.0037	/	Pass		
50	3.87	3.492	0.0018	/	Pass					
16QAM	1855	50	0	20	3.5	0.482	0.0003	/	Pass	
					3.87	1.859	0.0010	/	Pass	
					4.45	-0.269	-0.0001	/	Pass	
				-30	3.87	-4.143	-0.0022	/	Pass	
					-20	3.87	1.890	0.0010	/	Pass
						-10	3.87	2.357	0.0013	/
				0	3.87	1.250	0.0007	/	Pass	
				10	3.87	-0.961	-0.0005	/	Pass	



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				30	3.87	-2.189	-0.0012	/	Pass					
				40	3.87	-3.253	-0.0018	/	Pass					
				50	3.87	-4.949	-0.0027	/	Pass					
1880	50	0		20	3.5	2.242	0.0012	/	Pass					
					3.87	1.364	0.0007	/	Pass					
					4.45	2.427	0.0013	/	Pass					
									-30	3.87	1.436	0.0008	/	Pass
									-20	3.87	3.128	0.0017	/	Pass
									-10	3.87	3.071	0.0016	/	Pass
									0	3.87	5.735	0.0031	/	Pass
									10	3.87	0.585	0.0003	/	Pass
									30	3.87	4.262	0.0023	/	Pass
									40	3.87	4.840	0.0026	/	Pass
									50	3.87	2.159	0.0011	/	Pass
									1905	50	0		20	3.5
3.87	4.221	0.0022	/											Pass
4.45	3.270	0.0017	/	Pass										
					-30	3.87	0.702	0.0004					/	Pass
					-20	3.87	10.323	0.0054					/	Pass
					-10	3.87	1.918	0.0010					/	Pass
					0	3.87	5.235	0.0027					/	Pass
					10	3.87	3.820	0.0020					/	Pass
					30	3.87	3.878	0.0020					/	Pass
					40	3.87	8.203	0.0043					/	Pass
					50	3.87	2.677	0.0014	/	Pass				
					64QAM	1855	50	0	20	3.5	0.244	0.0001	/	Pass
										3.87	0.164	0.0001	/	Pass
4.45	-2.144	-0.0012	/	Pass										
									-30	3.87	-1.423	-0.0008	/	Pass
									-20	3.87	-2.931	-0.0016	/	Pass
									-10	3.87	1.874	0.0010	/	Pass
									0	3.87	-0.516	-0.0003	/	Pass
									10	3.87	-3.887	-0.0021	/	Pass
									30	3.87	-1.435	-0.0008	/	Pass
									40	3.87	0.970	0.0005	/	Pass
									50	3.87	-7.716	-0.0042	/	Pass
									1880	50	0		20	3.5
					3.87	8.035	0.0043	/						Pass
4.45	2.183	0.0012	/	Pass										
					-30	3.87	2.429	0.0013					/	Pass
					-20	3.87	4.240	0.0023					/	Pass
					-10	3.87	3.431	0.0018					/	Pass
					0	3.87	1.294	0.0007					/	Pass
					10	3.87	1.635	0.0009					/	Pass
					30	3.87	3.476	0.0018					/	Pass
					40	3.87	1.081	0.0006					/	Pass
					50	3.87	6.141	0.0033	/	Pass				
					1905	50	0	20	3.5	0.026	0.0000	/	Pass	
									3.87	-2.199	-0.0012	/	Pass	



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				4.45	0.605	0.0003	/	Pass
			-30	3.87	3.343	0.0018	/	Pass
			-20	3.87	-4.065	-0.0021	/	Pass
			-10	3.87	2.622	0.0014	/	Pass
			0	3.87	-1.510	-0.0008	/	Pass
			10	3.87	0.295	0.0002	/	Pass
			30	3.87	2.396	0.0013	/	Pass
			40	3.87	1.101	0.0006	/	Pass
			50	3.87	-0.344	-0.0002	/	Pass



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2.5 B2_15MHz

2.5.1 Test Result

Band: 2 / Bandwidth: 15MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1857.5	75	0	20	3.5	-2.365	-0.0013	/	Pass	
					3.87	-1.188	-0.0006	/	Pass	
					4.45	1.061	0.0006	/	Pass	
				-30	3.87	-0.398	-0.0002	/	Pass	
					-20	3.87	-2.455	-0.0013	/	Pass
						3.87	-1.134	-0.0006	/	Pass
				0	3.87	-1.492	-0.0008	/	Pass	
				10	3.87	-3.355	-0.0018	/	Pass	
				30	3.87	-2.120	-0.0011	/	Pass	
				40	3.87	-3.827	-0.0021	/	Pass	
	50	3.87	0.659	0.0004	/	Pass				
	1880	75	0	20	3.5	2.157	0.0011	/	Pass	
					3.87	3.631	0.0019	/	Pass	
					4.45	4.481	0.0024	/	Pass	
				-30	3.87	3.222	0.0017	/	Pass	
					-20	3.87	7.535	0.0040	/	Pass
						3.87	7.753	0.0041	/	Pass
				0	3.87	6.267	0.0033	/	Pass	
				10	3.87	0.793	0.0004	/	Pass	
				30	3.87	10.066	0.0054	/	Pass	
				40	3.87	1.702	0.0009	/	Pass	
	50	3.87	1.520	0.0008	/	Pass				
	1902.5	75	0	20	3.5	4.677	0.0025	/	Pass	
					3.87	4.835	0.0025	/	Pass	
					4.45	4.659	0.0024	/	Pass	
				-30	3.87	3.117	0.0016	/	Pass	
					-20	3.87	0.546	0.0003	/	Pass
						3.87	0.917	0.0005	/	Pass
				0	3.87	5.814	0.0031	/	Pass	
				10	3.87	0.806	0.0004	/	Pass	
30				3.87	-1.229	-0.0006	/	Pass		
40				3.87	4.510	0.0024	/	Pass		
50	3.87	-0.153	-0.0001	/	Pass					
16QAM	1857.5	75	0	20	3.5	-0.032	0.0000	/	Pass	
					3.87	-0.114	-0.0001	/	Pass	
					4.45	-1.011	-0.0005	/	Pass	
				-30	3.87	-1.155	-0.0006	/	Pass	
					-20	3.87	-1.900	-0.0010	/	Pass
						3.87	-1.063	-0.0006	/	Pass
				0	3.87	-3.491	-0.0019	/	Pass	
				10	3.87	-0.941	-0.0005	/	Pass	



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				30	3.87	-1.466	-0.0008	/	Pass
				40	3.87	-1.633	-0.0009	/	Pass
				50	3.87	-1.253	-0.0007	/	Pass
1880	75	0	20	3.5	2.287	0.0012	/	Pass	
				3.87	4.525	0.0024	/	Pass	
				4.45	3.802	0.0020	/	Pass	
			-30	3.87	6.260	0.0033	/	Pass	
			-20	3.87	7.348	0.0039	/	Pass	
			-10	3.87	3.355	0.0018	/	Pass	
			0	3.87	10.511	0.0056	/	Pass	
			10	3.87	3.006	0.0016	/	Pass	
			30	3.87	-0.196	-0.0001	/	Pass	
			40	3.87	4.408	0.0023	/	Pass	
			50	3.87	3.804	0.0020	/	Pass	
			1902.5	75	0	20	3.5	7.293	0.0038
3.87	0.713	0.0004					/	Pass	
4.45	4.761	0.0025					/	Pass	
-30	3.87	2.071				0.0011	/	Pass	
-20	3.87	4.268				0.0022	/	Pass	
-10	3.87	5.025				0.0026	/	Pass	
0	3.87	2.258				0.0012	/	Pass	
10	3.87	5.464				0.0029	/	Pass	
30	3.87	1.246				0.0007	/	Pass	
40	3.87	4.263				0.0022	/	Pass	
50	3.87	1.935				0.0010	/	Pass	
64QAM	1857.5	75				20	3.5	-1.249	-0.0007
			3.87	-1.407	-0.0008		/	Pass	
			4.45	1.117	0.0006		/	Pass	
			-30	3.87	-3.105	-0.0017	/	Pass	
			-20	3.87	0.214	0.0001	/	Pass	
			-10	3.87	1.216	0.0007	/	Pass	
			0	3.87	1.124	0.0006	/	Pass	
			10	3.87	-4.667	-0.0025	/	Pass	
			30	3.87	-2.070	-0.0011	/	Pass	
			40	3.87	-4.489	-0.0024	/	Pass	
			50	3.87	-0.035	0.0000	/	Pass	
			1880	75	0	20	3.5	8.300	0.0044
	3.87	4.756					0.0025	/	Pass
	4.45	0.697					0.0004	/	Pass
	-30	3.87				6.458	0.0034	/	Pass
	-20	3.87				2.573	0.0014	/	Pass
	-10	3.87				0.919	0.0005	/	Pass
	0	3.87				10.201	0.0054	/	Pass
	10	3.87				0.505	0.0003	/	Pass
	30	3.87				4.467	0.0024	/	Pass
	40	3.87				6.486	0.0035	/	Pass
	50	3.87				5.182	0.0028	/	Pass
	1902.5	75				0	20	3.5	3.388
			3.87	1.729	0.0009			/	Pass



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				4.45	6.175	0.0032	/	Pass
			-30	3.87	2.769	0.0015	/	Pass
			-20	3.87	0.355	0.0002	/	Pass
			-10	3.87	3.092	0.0016	/	Pass
			0	3.87	4.837	0.0025	/	Pass
			10	3.87	2.183	0.0011	/	Pass
			30	3.87	-0.490	-0.0003	/	Pass
			40	3.87	5.576	0.0029	/	Pass
			50	3.87	2.465	0.0013	/	Pass



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2.6 B2_20MHz

2.6.1 Test Result

Band: 2 / Bandwidth: 20MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1860	100	0	20	3.5	-2.203	-0.0012	/	Pass	
					3.87	-2.514	-0.0014	/	Pass	
					4.45	0.459	0.0002	/	Pass	
				-30	3.87	1.271	0.0007	/	Pass	
					-20	3.87	1.211	0.0007	/	Pass
						-10	3.87	2.208	0.0012	/
				0	3.87	6.261	0.0034	/	Pass	
				10	3.87	-0.648	-0.0003	/	Pass	
				30	3.87	-1.228	-0.0007	/	Pass	
				40	3.87	2.471	0.0013	/	Pass	
	50	3.87	3.893	0.0021	/	Pass				
	1880	100	0	20	3.5	3.519	0.0019	/	Pass	
					3.87	1.357	0.0007	/	Pass	
					4.45	5.795	0.0031	/	Pass	
				-30	3.87	8.662	0.0046	/	Pass	
					-20	3.87	5.864	0.0031	/	Pass
						-10	3.87	4.189	0.0022	/
				0	3.87	7.688	0.0041	/	Pass	
				10	3.87	6.406	0.0034	/	Pass	
				30	3.87	5.524	0.0029	/	Pass	
				40	3.87	4.389	0.0023	/	Pass	
	50	3.87	3.472	0.0018	/	Pass				
	1900	100	0	20	3.5	-0.595	-0.0003	/	Pass	
					3.87	0.826	0.0004	/	Pass	
					4.45	0.390	0.0002	/	Pass	
				-30	3.87	-0.683	-0.0004	/	Pass	
					-20	3.87	-0.441	-0.0002	/	Pass
						-10	3.87	-0.351	-0.0002	/
				0	3.87	2.637	0.0014	/	Pass	
				10	3.87	1.063	0.0006	/	Pass	
30				3.87	-0.456	-0.0002	/	Pass		
40				3.87	1.732	0.0009	/	Pass		
50	3.87	-2.173	-0.0011	/	Pass					
16QAM	1860	100	0	20	3.5	4.078	0.0022	/	Pass	
					3.87	1.610	0.0009	/	Pass	
					4.45	-1.321	-0.0007	/	Pass	
				-30	3.87	-0.358	-0.0002	/	Pass	
					-20	3.87	-2.564	-0.0014	/	Pass
						-10	3.87	1.212	0.0007	/
				0	3.87	-1.227	-0.0007	/	Pass	
				10	3.87	0.769	0.0004	/	Pass	



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64QAM	1880	100	0	30	3.87	0.150	0.0001	/	Pass		
				40	3.87	1.924	0.0010	/	Pass		
				50	3.87	1.761	0.0009	/	Pass		
				20	3.5	6.988	0.0037	/	Pass		
					3.87	2.088	0.0011	/	Pass		
					4.45	5.662	0.0030	/	Pass		
				-30	3.87	2.041	0.0011	/	Pass		
				-20	3.87	4.668	0.0025	/	Pass		
				-10	3.87	3.089	0.0016	/	Pass		
				0	3.87	5.723	0.0030	/	Pass		
				10	3.87	5.566	0.0030	/	Pass		
				30	3.87	7.738	0.0041	/	Pass		
	40	3.87	6.181	0.0033	/	Pass					
	50	3.87	4.047	0.0022	/	Pass					
	1900	100	0	20	3.5	-3.308	-0.0017	/	Pass		
					3.87	3.373	0.0018	/	Pass		
					4.45	1.251	0.0007	/	Pass		
				-30	3.87	3.563	0.0019	/	Pass		
				-20	3.87	0.811	0.0004	/	Pass		
				-10	3.87	0.098	0.0001	/	Pass		
				0	3.87	1.883	0.0010	/	Pass		
				10	3.87	2.927	0.0015	/	Pass		
				30	3.87	4.581	0.0024	/	Pass		
				40	3.87	2.002	0.0011	/	Pass		
				50	3.87	2.526	0.0013	/	Pass		
				1860	100	0	20	3.5	-1.463	-0.0008	/
	3.87	0.828	0.0004					/	Pass		
	4.45	0.294	0.0002					/	Pass		
-30	3.87	-0.840	-0.0005				/	Pass			
-20	3.87	-3.262	-0.0018				/	Pass			
-10	3.87	2.474	0.0013				/	Pass			
0	3.87	-0.020	0.0000				/	Pass			
10	3.87	0.343	0.0002				/	Pass			
30	3.87	3.426	0.0018				/	Pass			
40	3.87	-4.024	-0.0022				/	Pass			
50	3.87	4.494	0.0024				/	Pass			
1880	100	0	20				3.5	6.334	0.0034	/	Pass
							3.87	5.107	0.0027	/	Pass
							4.45	7.973	0.0042	/	Pass
			-30				3.87	8.099	0.0043	/	Pass
			-20				3.87	10.783	0.0057	/	Pass
			-10				3.87	7.432	0.0040	/	Pass
			0				3.87	6.262	0.0033	/	Pass
			10	3.87	5.203	0.0028	/	Pass			
			30	3.87	5.213	0.0028	/	Pass			
40	3.87	11.204	0.0060	/	Pass						
50	3.87	2.466	0.0013	/	Pass						
1900	100	0	20	3.5	-0.045	0.0000	/	Pass			
				3.87	2.982	0.0016	/	Pass			



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				4.45	2.215	0.0012	/	Pass
			-30	3.87	-1.089	-0.0006	/	Pass
			-20	3.87	3.681	0.0019	/	Pass
			-10	3.87	0.142	0.0001	/	Pass
			0	3.87	-1.718	-0.0009	/	Pass
			10	3.87	1.302	0.0007	/	Pass
			30	3.87	-0.223	-0.0001	/	Pass
			40	3.87	-0.645	-0.0003	/	Pass
			50	3.87	2.633	0.0014	/	Pass



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3. 99% & 26dB Bandwidth

3.1 Band2_OBW

3.1.1 Test Result

Band: 2 / NTV							
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
		1880	6	0	1.128	/	Pass
		1909.3	6	0	1.113	/	Pass
	16QAM	1850.7	6	0	1.102	/	Pass
		1880	6	0	1.106	/	Pass
		1909.3	6	0	1.108	/	Pass
	64QAM	1850.7	6	0	1.115	/	Pass
		1880	6	0	1.112	/	Pass
		1909.3	6	0	1.115	/	Pass
3	QPSK	1851.5	15	0	2.738	/	Pass
		1880	15	0	2.740	/	Pass
		1908.5	15	0	2.736	/	Pass
	16QAM	1851.5	15	0	2.741	/	Pass
		1880	15	0	2.735	/	Pass
		1908.5	15	0	2.728	/	Pass
	64QAM	1851.5	15	0	2.749	/	Pass
		1880	15	0	2.731	/	Pass
		1908.5	15	0	2.723	/	Pass
5	QPSK	1852.5	25	0	4.570	/	Pass
		1880	25	0	4.543	/	Pass
		1907.5	25	0	4.554	/	Pass
	16QAM	1852.5	25	0	4.540	/	Pass
		1880	25	0	4.575	/	Pass
		1907.5	25	0	4.545	/	Pass
	64QAM	1852.5	25	0	4.537	/	Pass
		1880	25	0	4.533	/	Pass
		1907.5	25	0	4.544	/	Pass
10	QPSK	1855	50	0	9.047	/	Pass
		1880	50	0	9.023	/	Pass
		1905	50	0	9.046	/	Pass
	16QAM	1855	50	0	9.060	/	Pass
		1880	50	0	9.047	/	Pass
		1905	50	0	9.004	/	Pass
	64QAM	1855	50	0	9.030	/	Pass
		1880	50	0	9.039	/	Pass
		1905	50	0	9.027	/	Pass
15	QPSK	1857.5	75	0	13.573	/	Pass
		1880	75	0	13.552	/	Pass
		1902.5	75	0	13.483	/	Pass



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20	16QAM	1857.5	75	0	13.542	/	Pass	
		1880	75	0	13.588	/	Pass	
		1902.5	75	0	13.481	/	Pass	
	64QAM	1857.5	75	0	13.587	/	Pass	
		1880	75	0	13.553	/	Pass	
		1902.5	75	0	13.555	/	Pass	
	20	QPSK	1860	100	0	18.119	/	Pass
			1880	100	0	18.029	/	Pass
			1900	100	0	18.049	/	Pass
16QAM		1860	100	0	18.123	/	Pass	
		1880	100	0	18.050	/	Pass	
		1900	100	0	18.044	/	Pass	
64QAM		1860	100	0	18.050	/	Pass	
		1880	100	0	18.061	/	Pass	
		1900	100	0	18.026	/	Pass	

3.2 Band2_XDB

3.2.1 Test Result

Band: 2 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.343	/	Pass
		1880	6	0	1.324	/	Pass
		1909.3	6	0	1.324	/	Pass
	16QAM	1850.7	6	0	1.313	/	Pass
		1880	6	0	1.315	/	Pass
		1909.3	6	0	1.295	/	Pass
	64QAM	1850.7	6	0	1.347	/	Pass
		1880	6	0	1.304	/	Pass
		1909.3	6	0	1.332	/	Pass
3	QPSK	1851.5	15	0	3.045	/	Pass
		1880	15	0	3.028	/	Pass
		1908.5	15	0	3.015	/	Pass
	16QAM	1851.5	15	0	3.014	/	Pass
		1880	15	0	3.018	/	Pass
		1908.5	15	0	3.014	/	Pass
	64QAM	1851.5	15	0	3.044	/	Pass
		1880	15	0	3.022	/	Pass
		1908.5	15	0	3.009	/	Pass
5	QPSK	1852.5	25	0	5.094	/	Pass
		1880	25	0	5.046	/	Pass
		1907.5	25	0	5.035	/	Pass
	16QAM	1852.5	25	0	5.093	/	Pass
		1880	25	0	5.071	/	Pass
		1907.5	25	0	5.103	/	Pass



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	64QAM	1852.5	25	0	5.043	/	Pass
		1880	25	0	5.081	/	Pass
		1907.5	25	0	5.042	/	Pass
10	QPSK	1855	50	0	10.067	/	Pass
		1880	50	0	9.951	/	Pass
		1905	50	0	10.050	/	Pass
	16QAM	1855	50	0	9.958	/	Pass
		1880	50	0	9.900	/	Pass
		1905	50	0	9.965	/	Pass
	64QAM	1855	50	0	9.992	/	Pass
		1880	50	0	9.926	/	Pass
		1905	50	0	9.910	/	Pass
15	QPSK	1857.5	75	0	14.866	/	Pass
		1880	75	0	14.874	/	Pass
		1902.5	75	0	14.893	/	Pass
	16QAM	1857.5	75	0	14.940	/	Pass
		1880	75	0	14.957	/	Pass
		1902.5	75	0	14.812	/	Pass
	64QAM	1857.5	75	0	15.022	/	Pass
		1880	75	0	14.987	/	Pass
		1902.5	75	0	14.947	/	Pass
20	QPSK	1860	100	0	19.721	/	Pass
		1880	100	0	19.744	/	Pass
		1900	100	0	19.673	/	Pass
	16QAM	1860	100	0	19.853	/	Pass
		1880	100	0	19.709	/	Pass
		1900	100	0	19.695	/	Pass
	64QAM	1860	100	0	19.891	/	Pass
		1880	100	0	19.713	/	Pass
		1900	100	0	19.605	/	Pass



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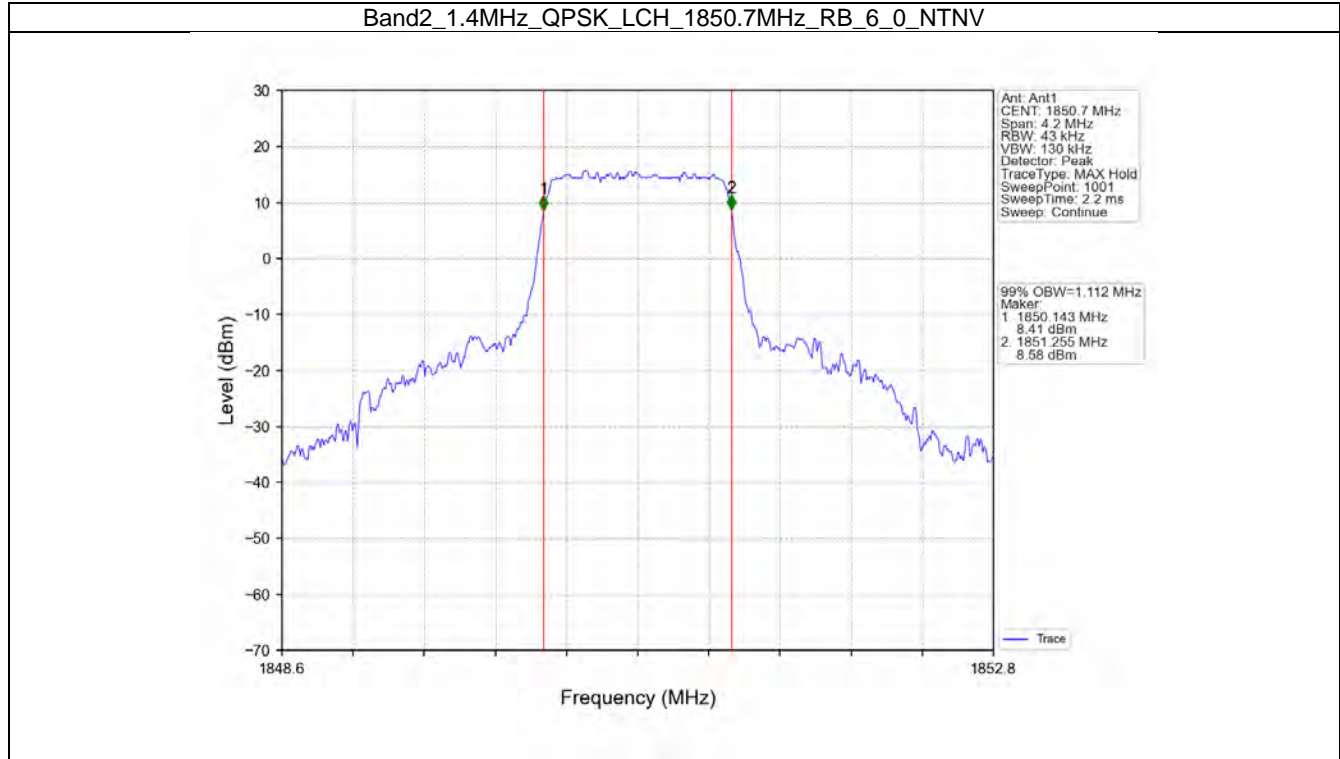
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3.1 Band2_OBW

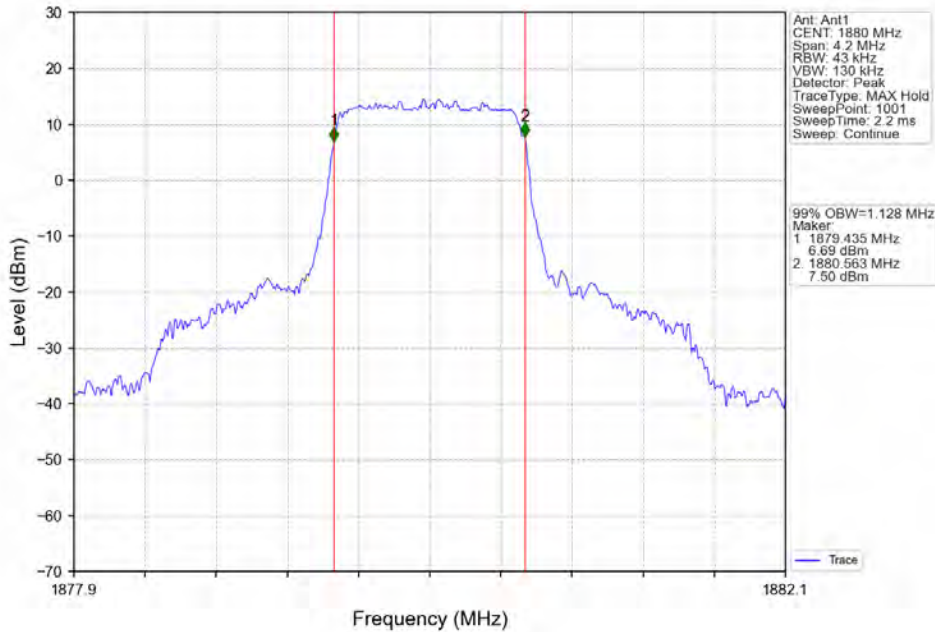
3.1.2 Test Graph



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Band2_1.4MHz_QPSK_MCH_1880MHz_RB_6_0_NTNV

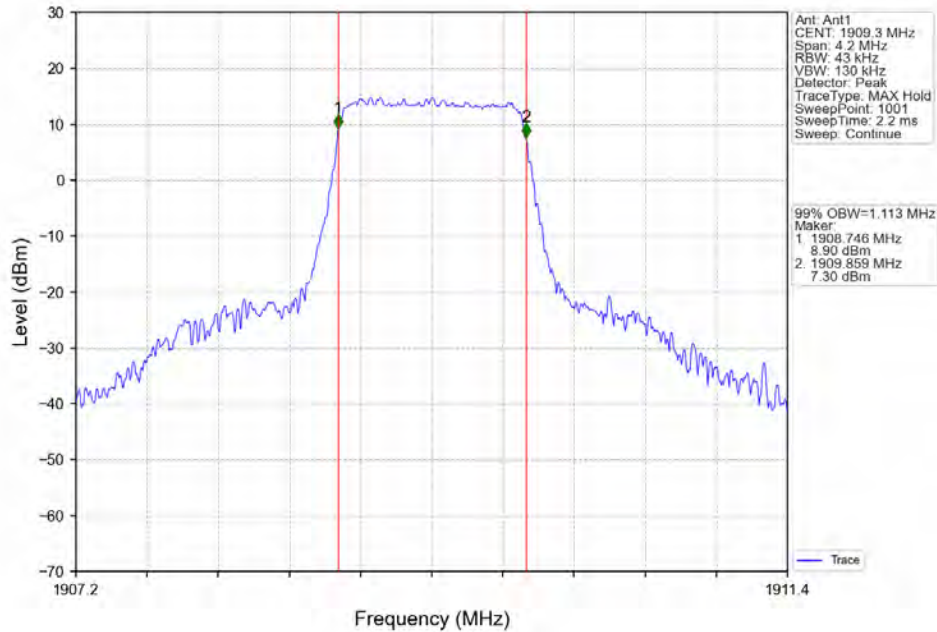


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Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV

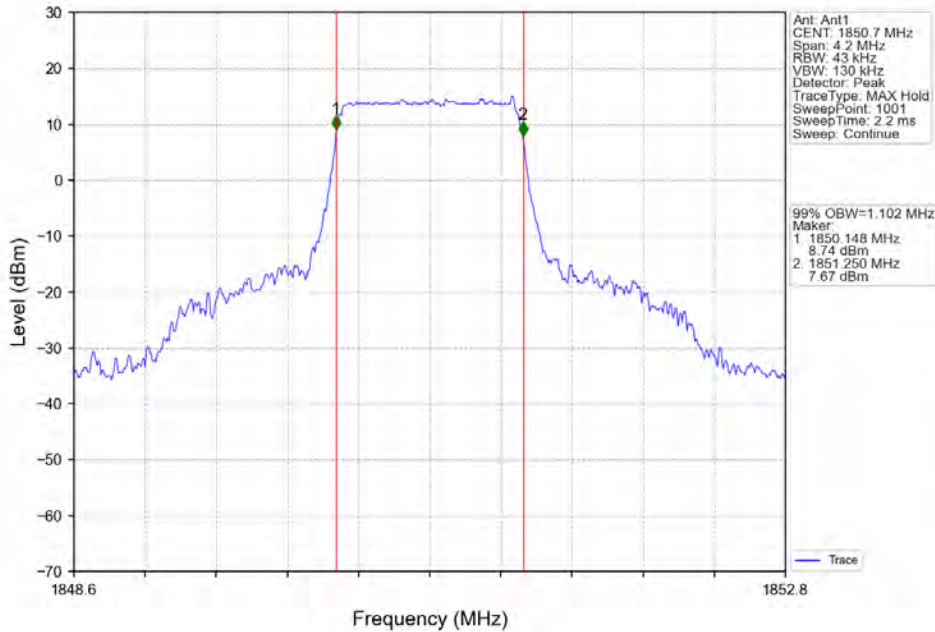


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Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV

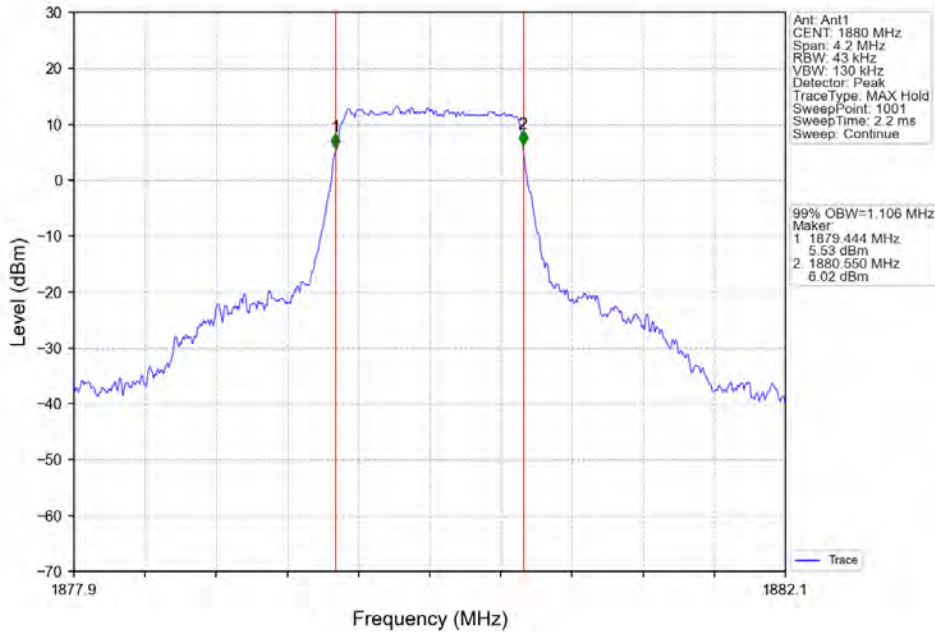


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Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV

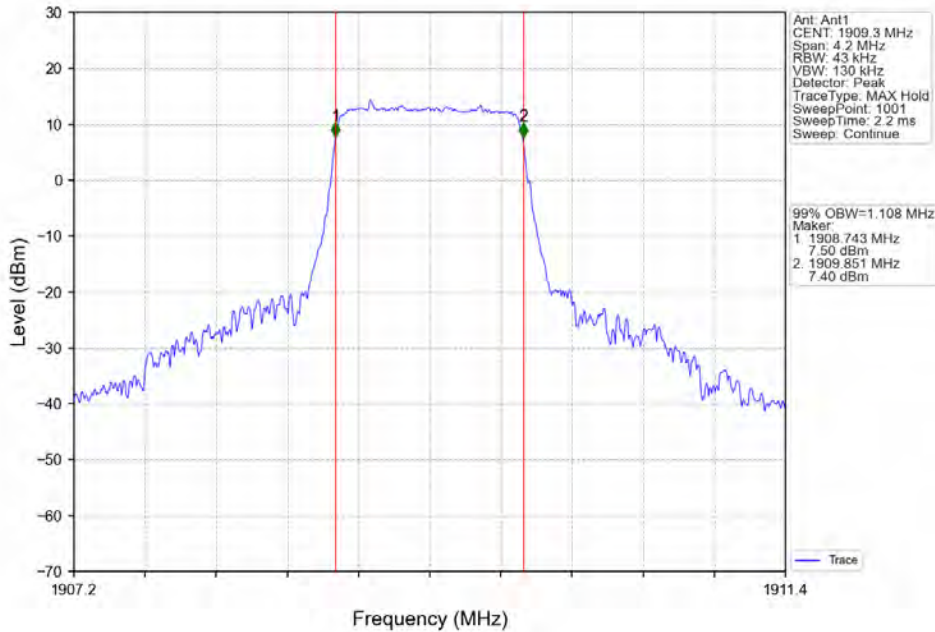


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Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV

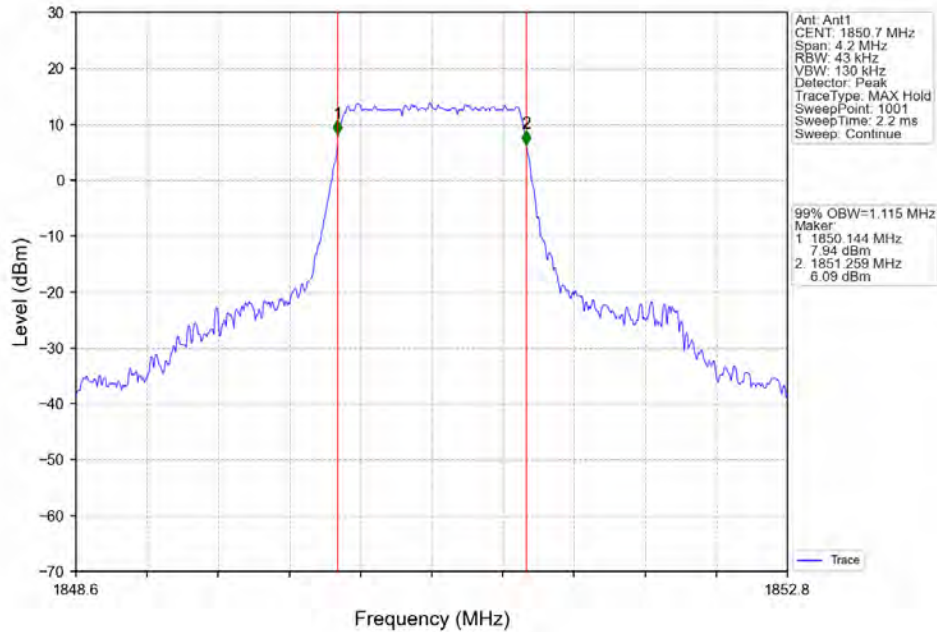


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Band2_1.4MHz_64QAM_LCH_1850.7MHz_RB_6_0_NTNV

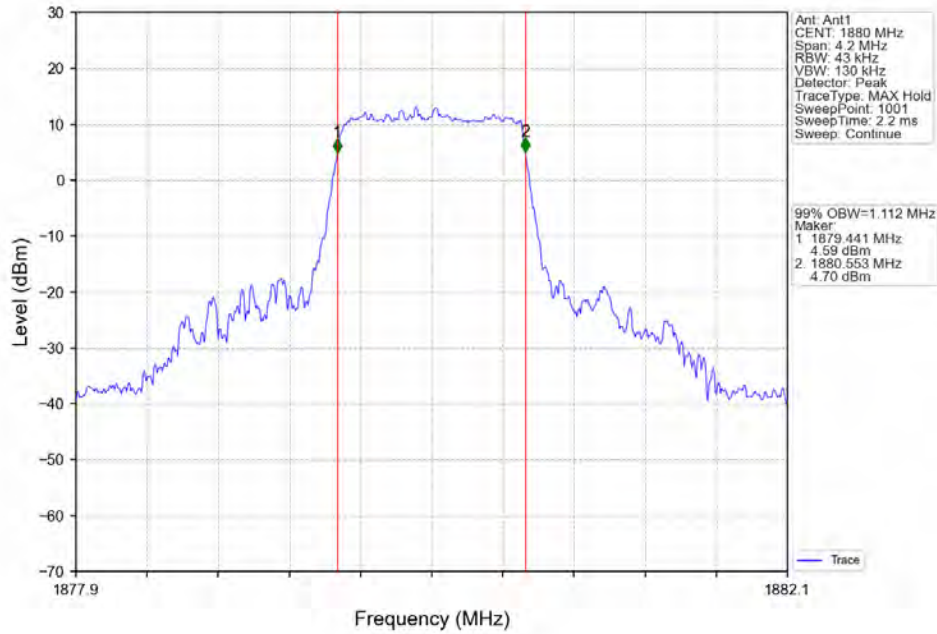


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Band2_1.4MHz_64QAM_MCH_1880MHz_RB_6_0_NTNV

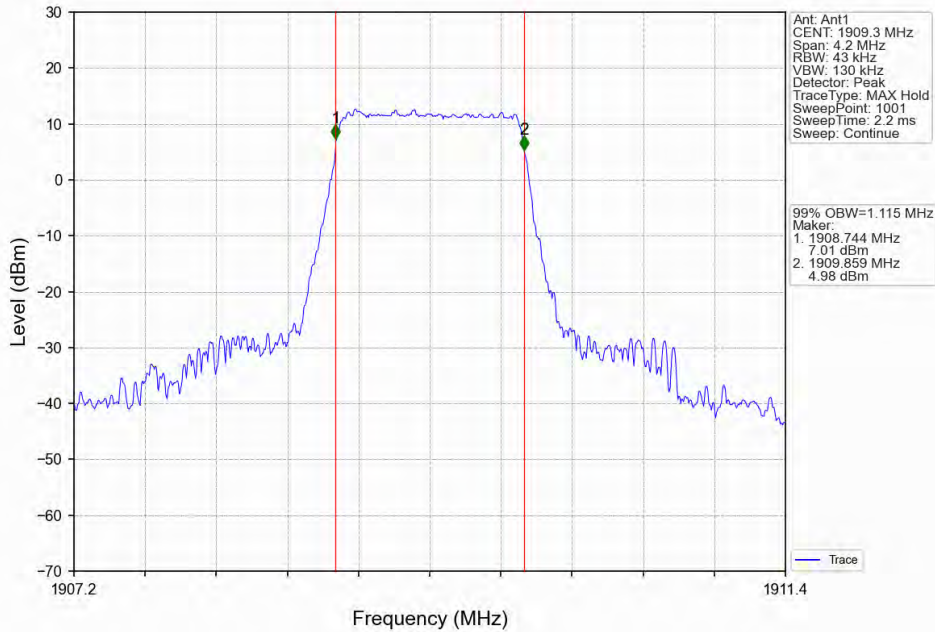


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Band2_1.4MHz_64QAM_HCH_1909.3MHz_RB_6_0_NTNV

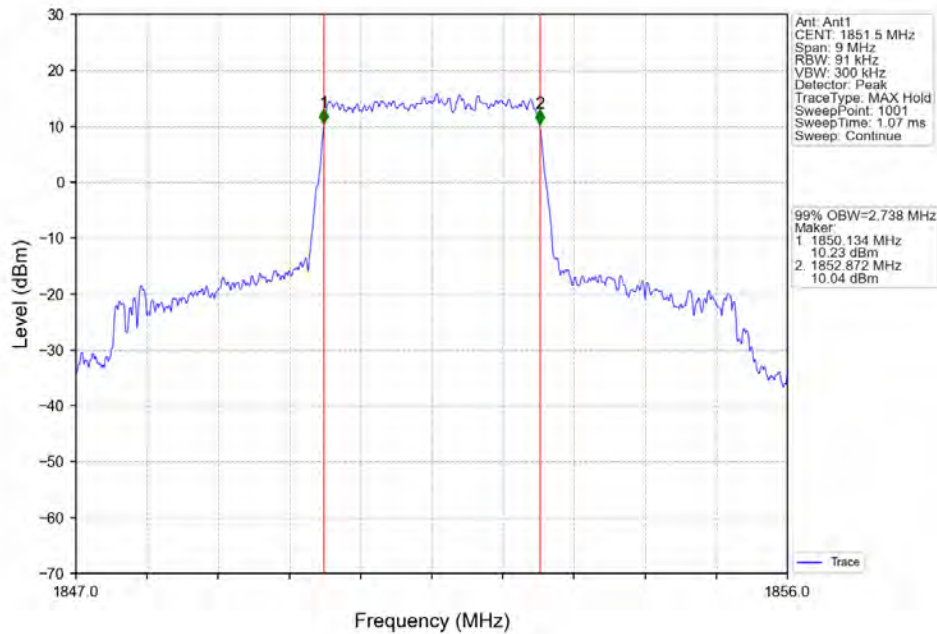


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Band2_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV

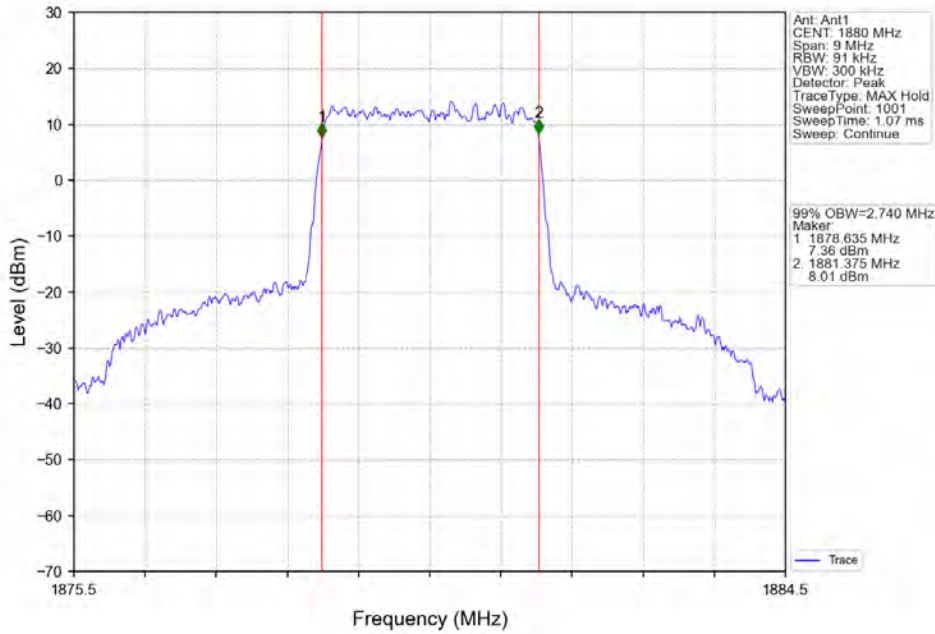


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Band2_3MHz_QPSK_MCH_1880MHz_RB_15_0_NTNV

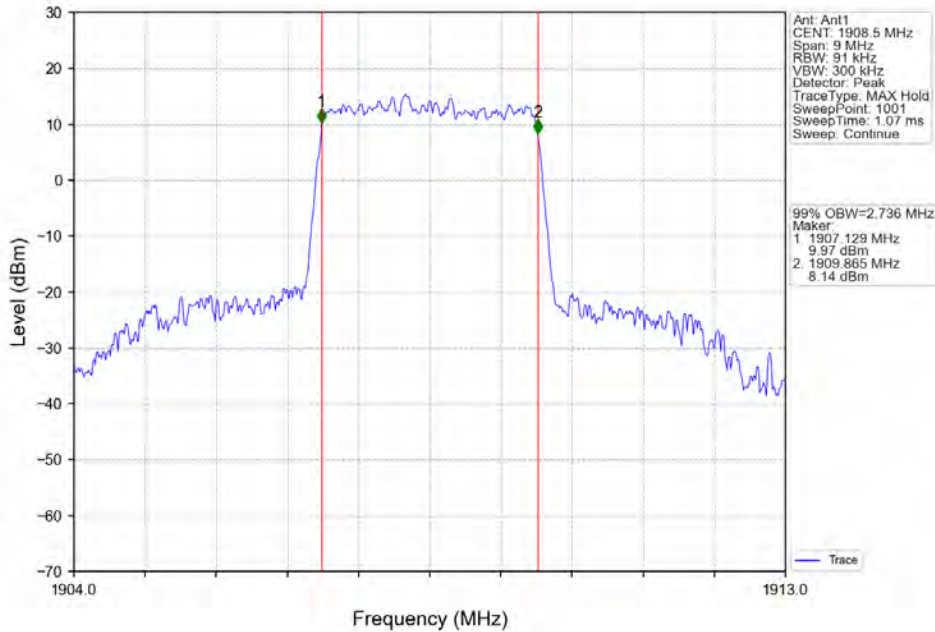


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Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV

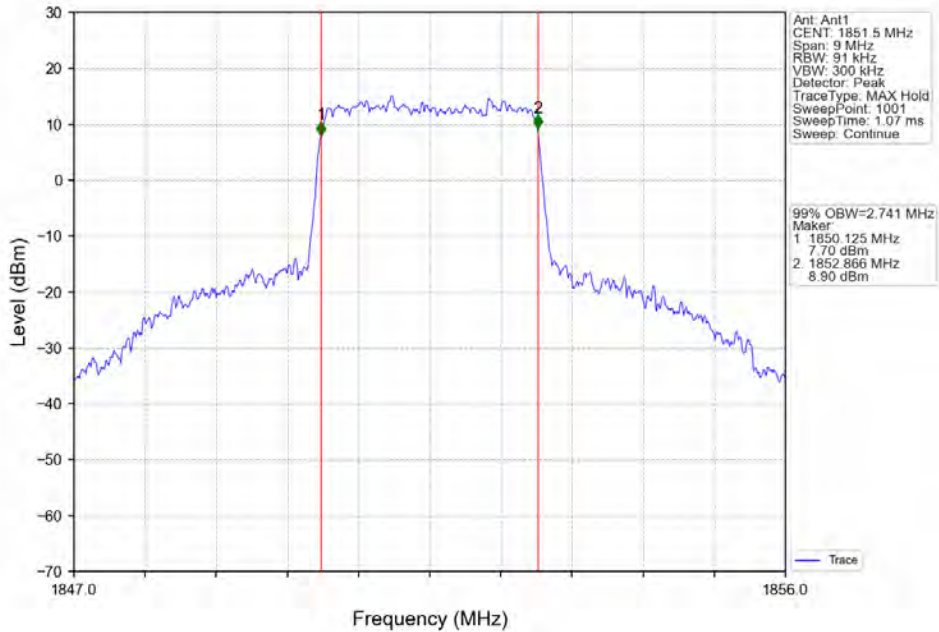


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Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV

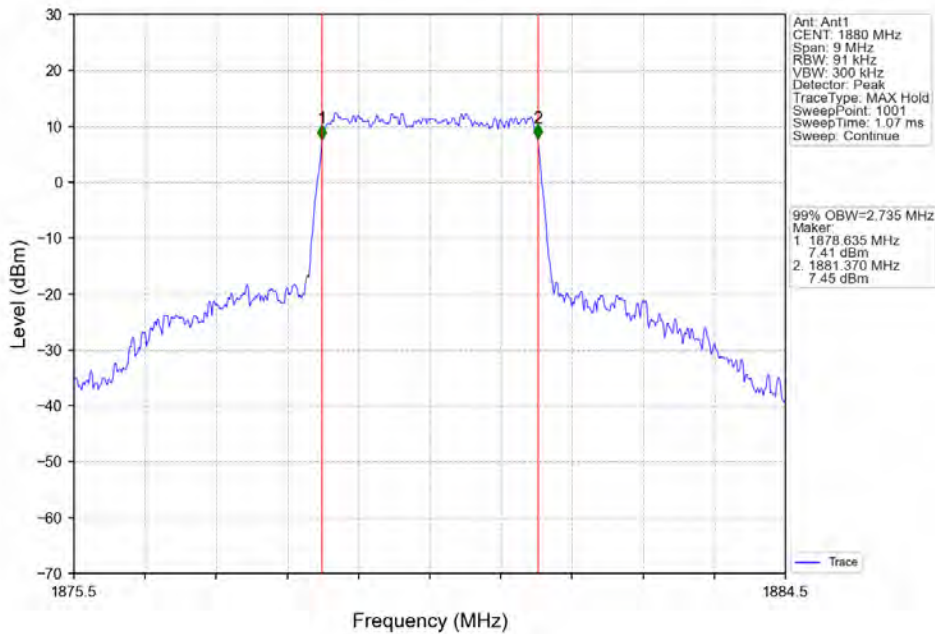


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Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV



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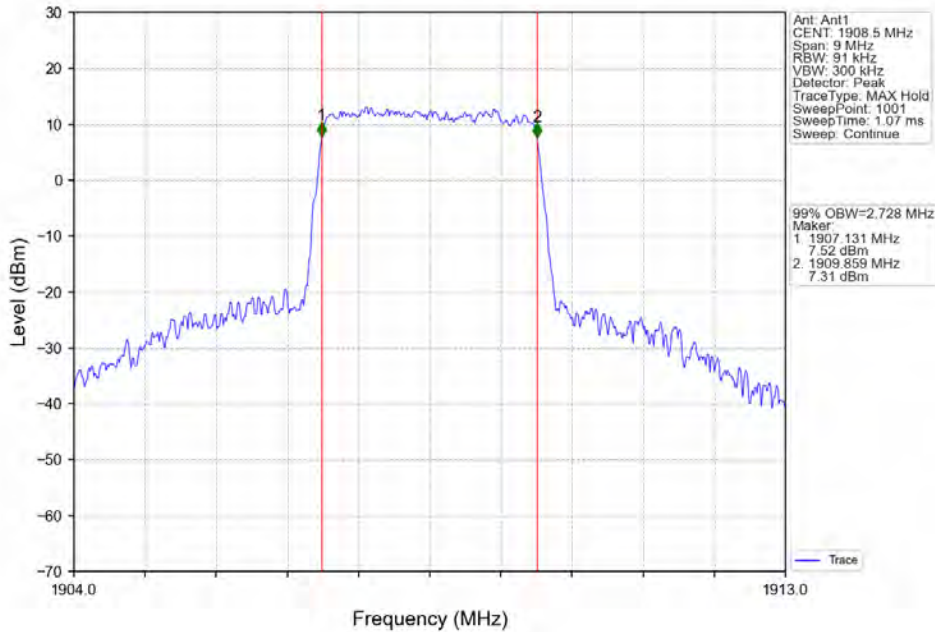
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Band2_3MHz_16QAM_HCH_1908.5MHz_RB_15_0_NTNV

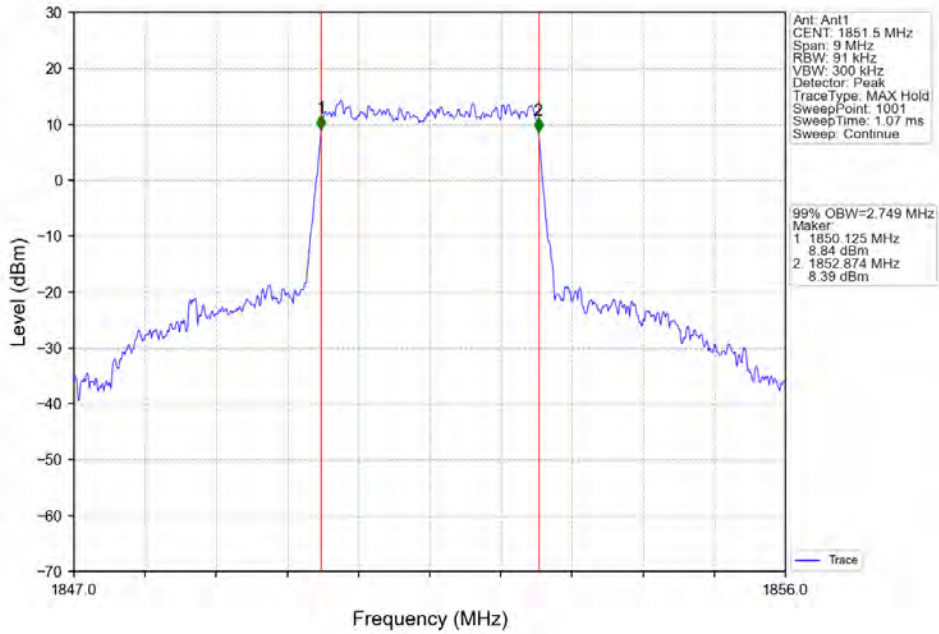


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Band2_3MHz_64QAM_LCH_1851.5MHz_RB_15_0_NTNV

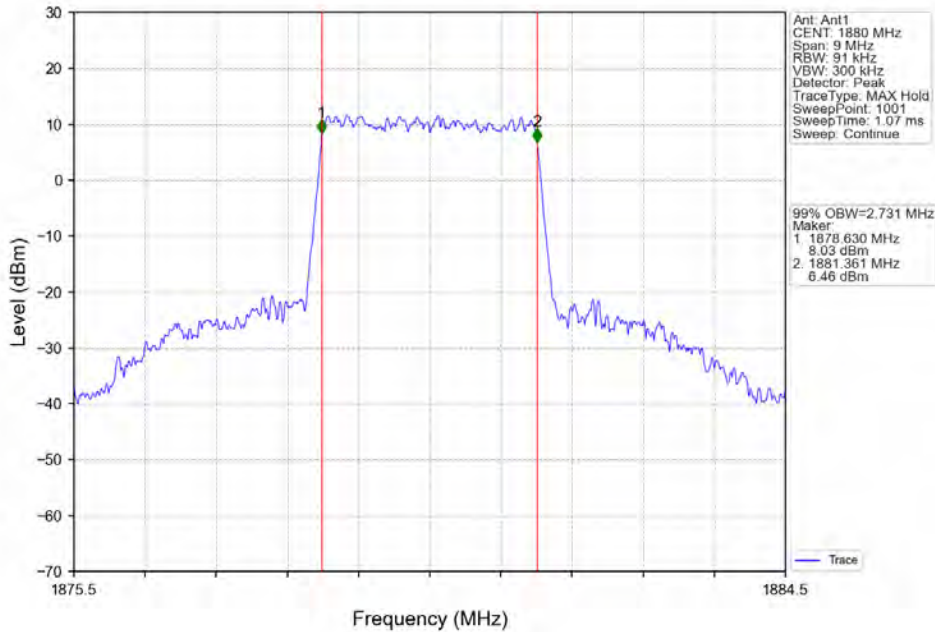


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Band2_3MHz_64QAM_MCH_1880MHz_RB_15_0_NTNV

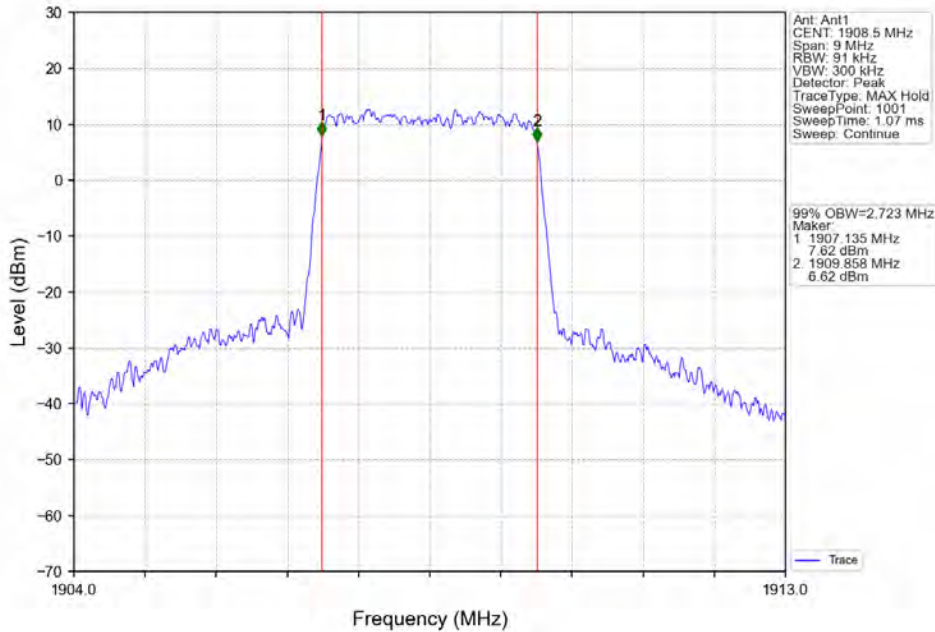


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Band2_3MHz_64QAM_HCH_1908.5MHz_RB_15_0_NTNV

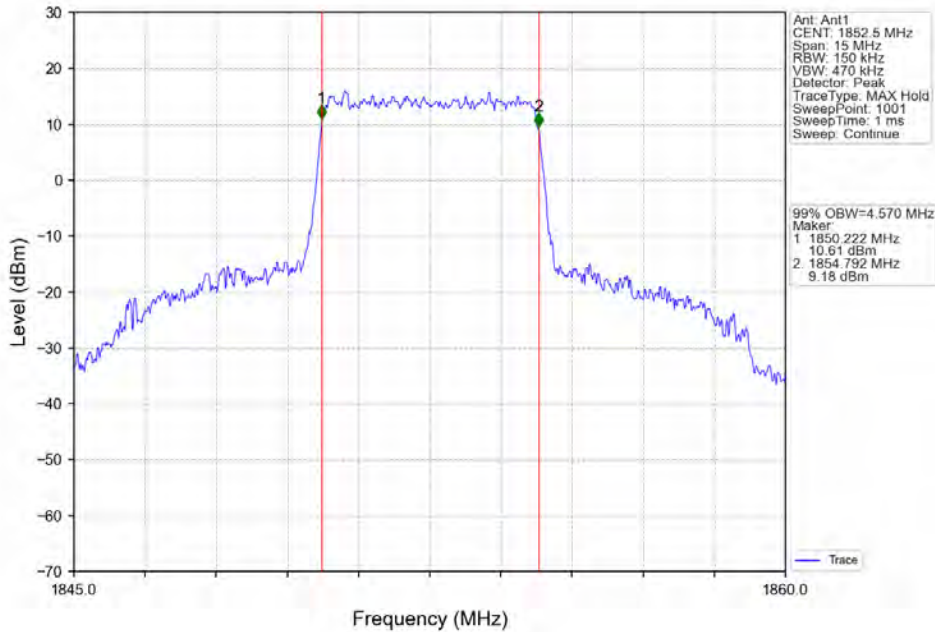


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Band2_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV

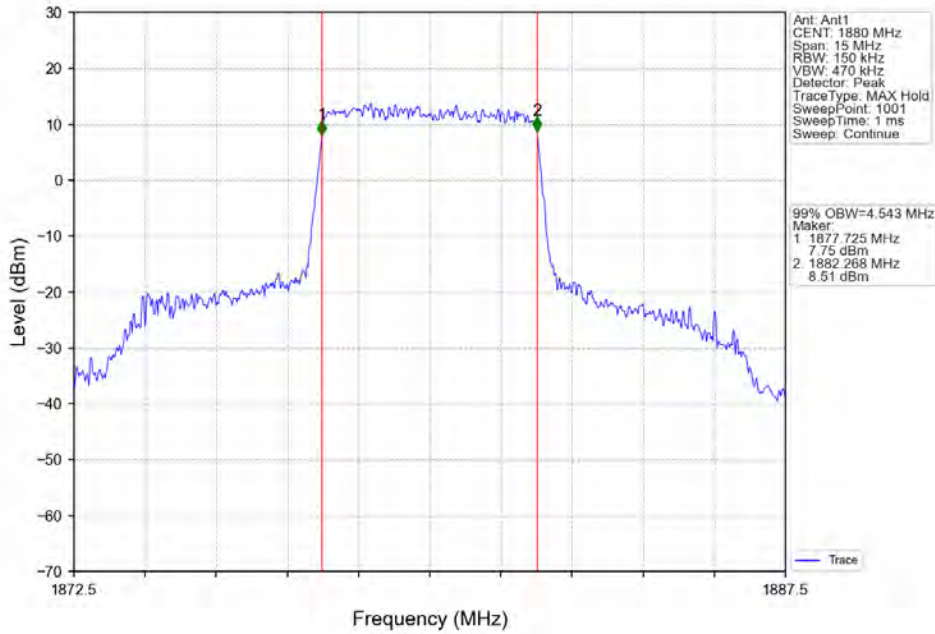


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Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV

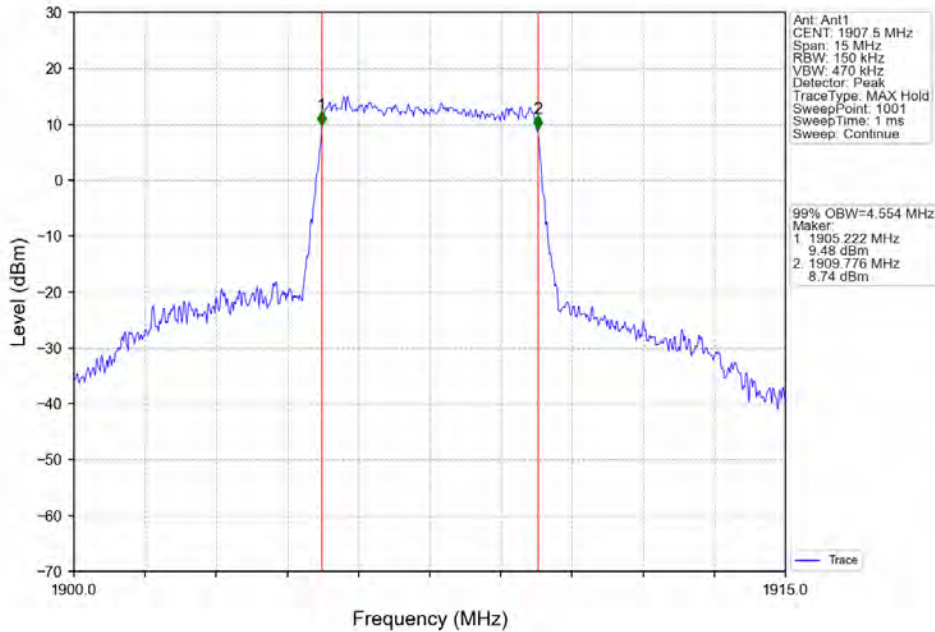


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Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



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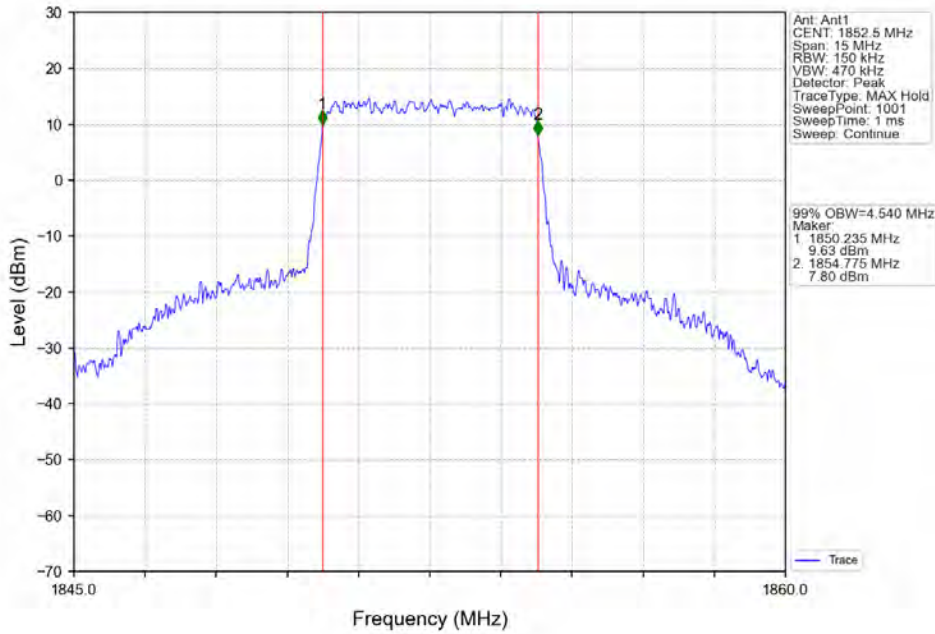
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Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV

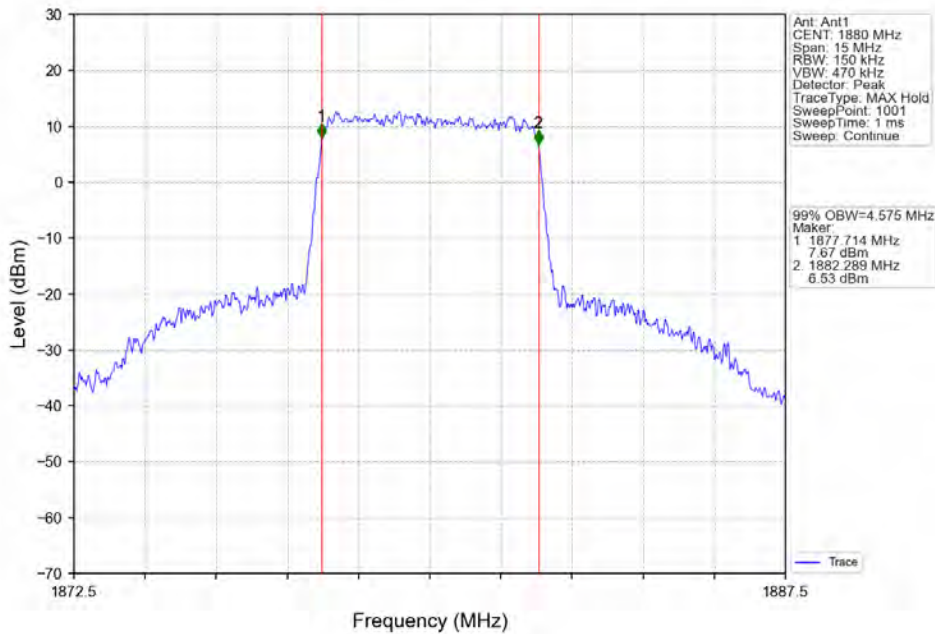


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Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV



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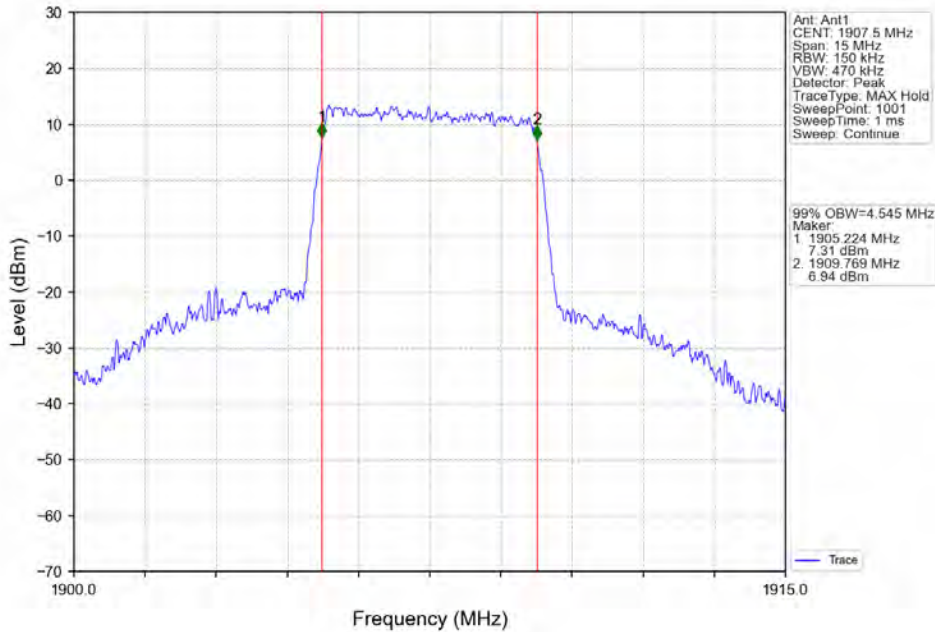
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Band2_5MHz_16QAM_HCH_1907.5MHz_RB_25_0_NTNV

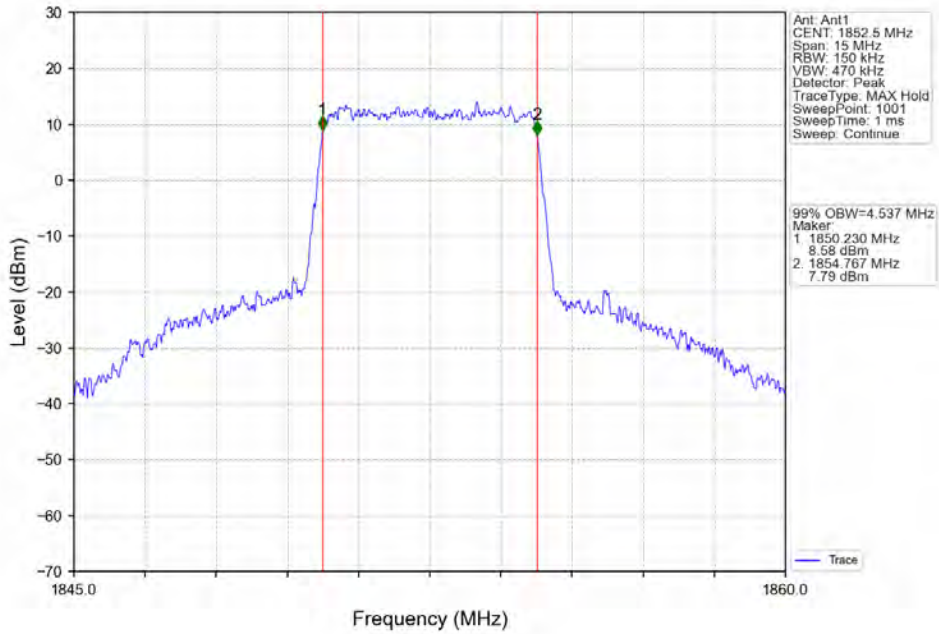


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Band2_5MHz_64QAM_LCH_1852.5MHz_RB_25_0_NTNV

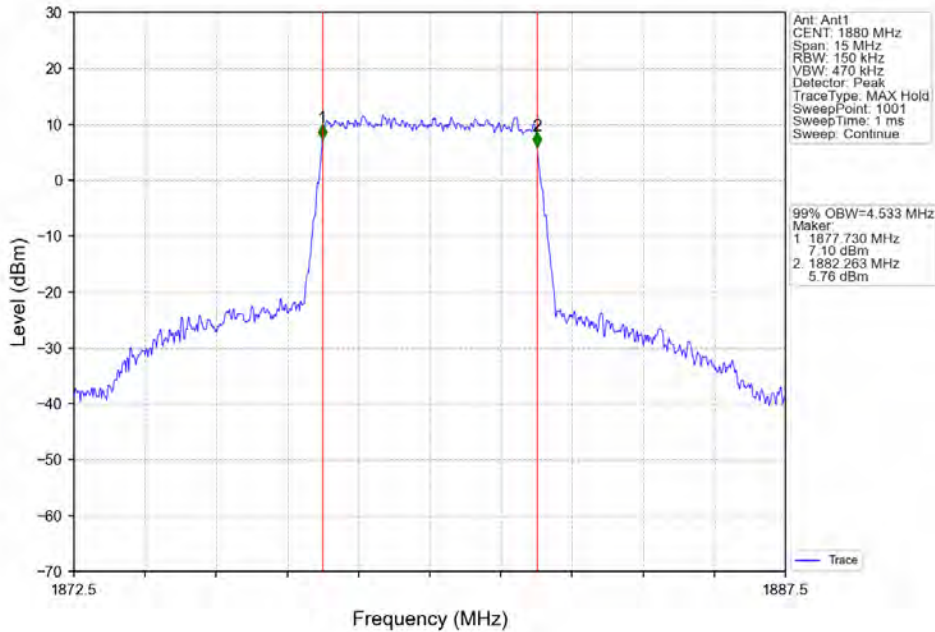


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Band2_5MHz_64QAM_MCH_1880MHz_RB_25_0_NTNV

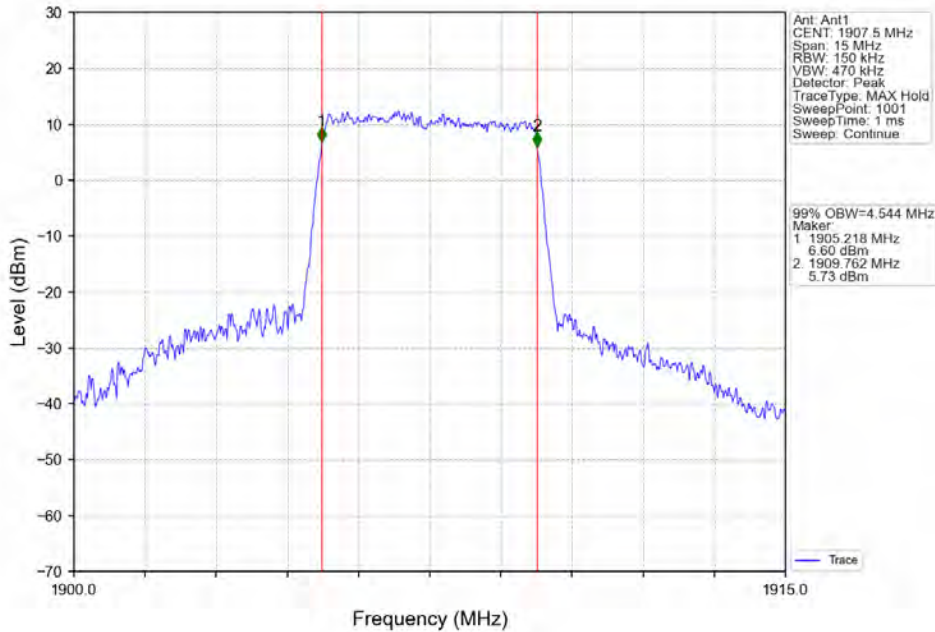


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Band2_5MHz_64QAM_HCH_1907.5MHz_RB_25_0_NTNV

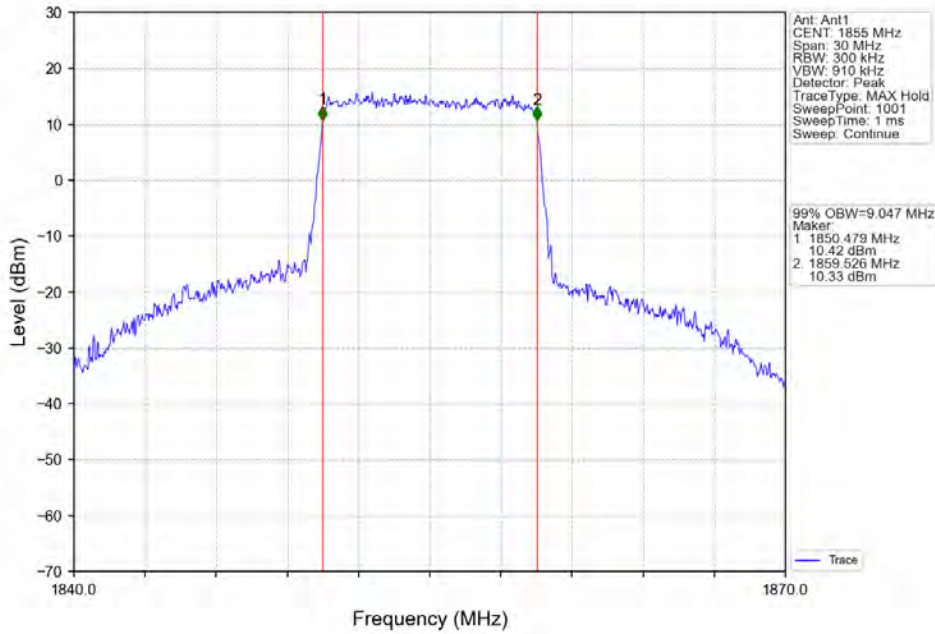


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Band2_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV

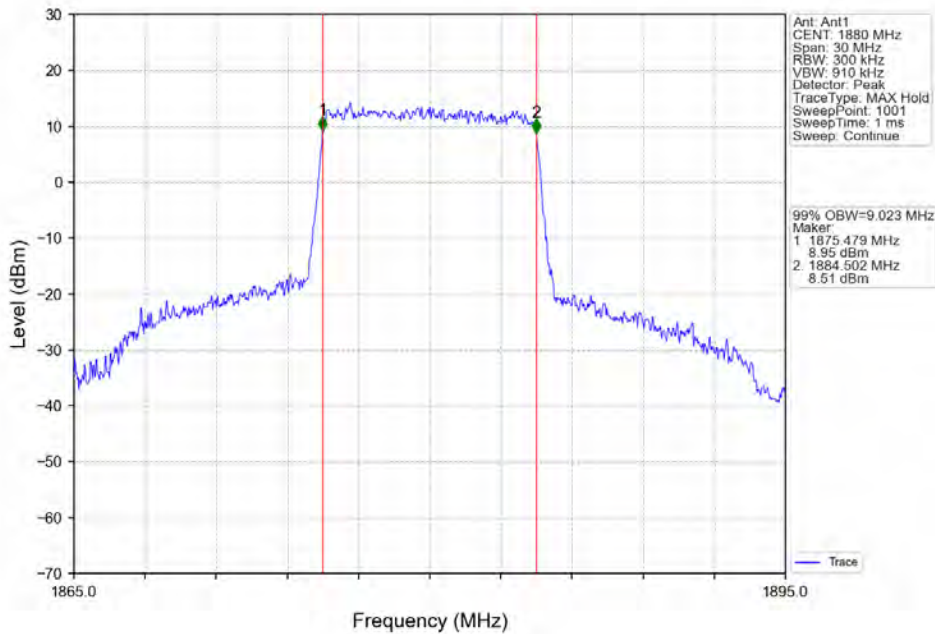


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Band2_10MHz_QPSK_MCH_1880MHz_RB_50_0_NTNV

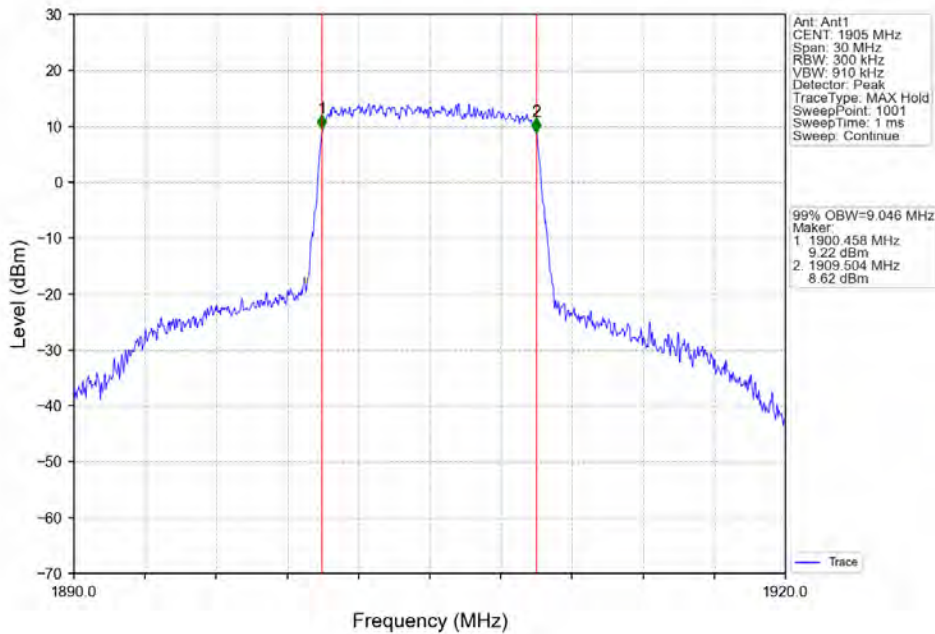


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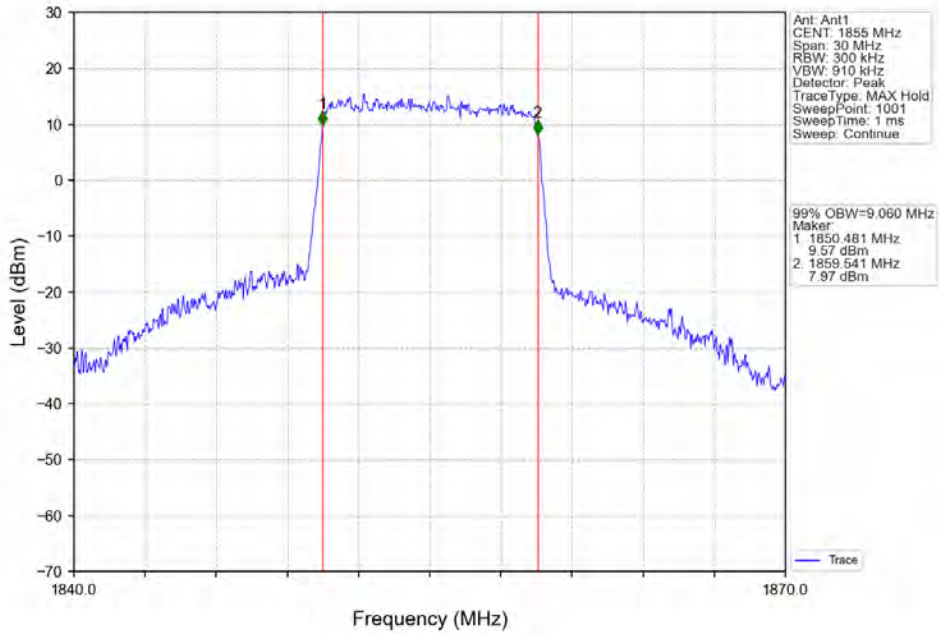
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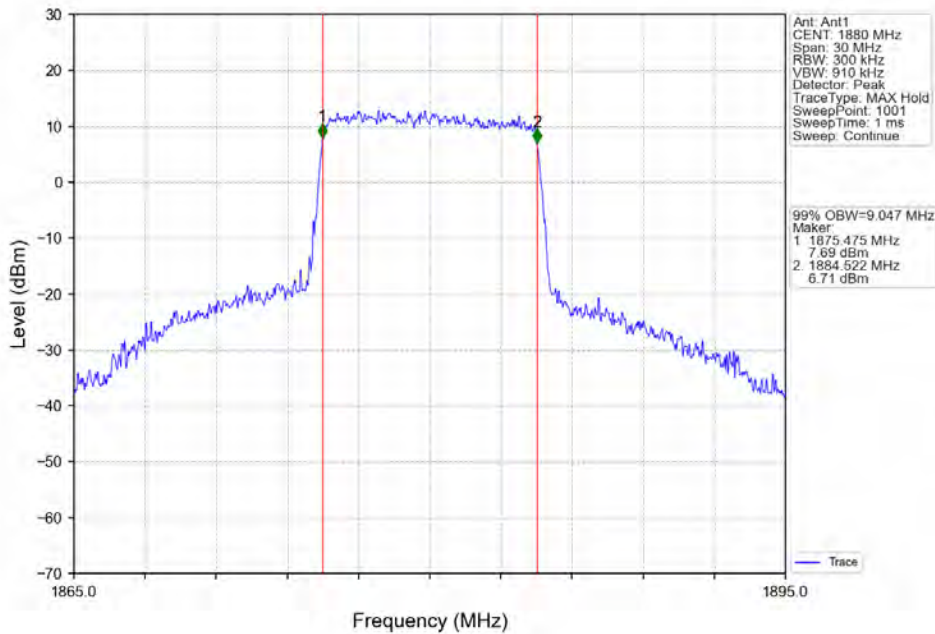


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Band2_10MHz_16QAM_MCH_1880MHz_RB_50_0_NTNV

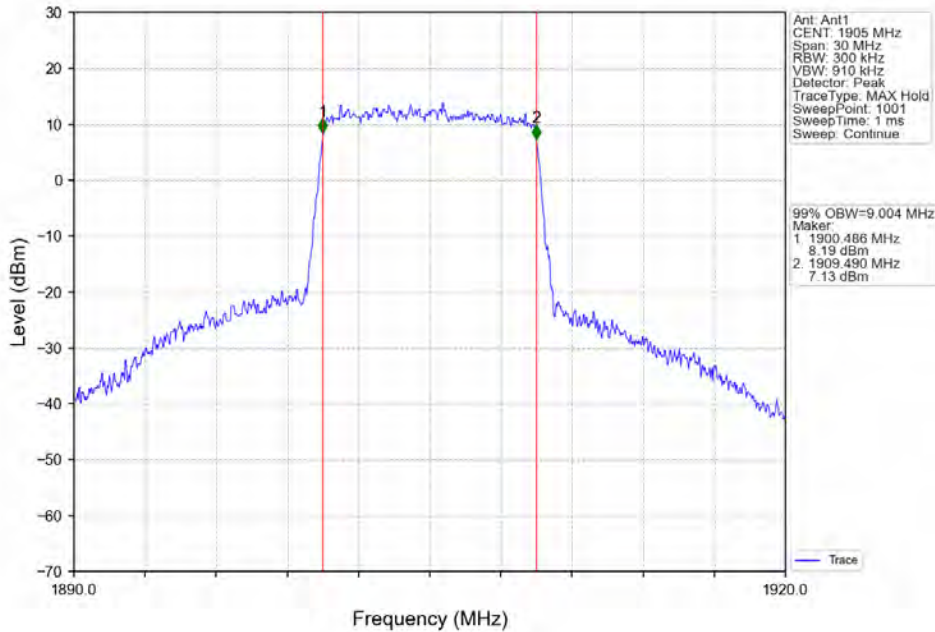


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Band2_10MHz_16QAM_HCH_1905MHz_RB_50_0_NTNV

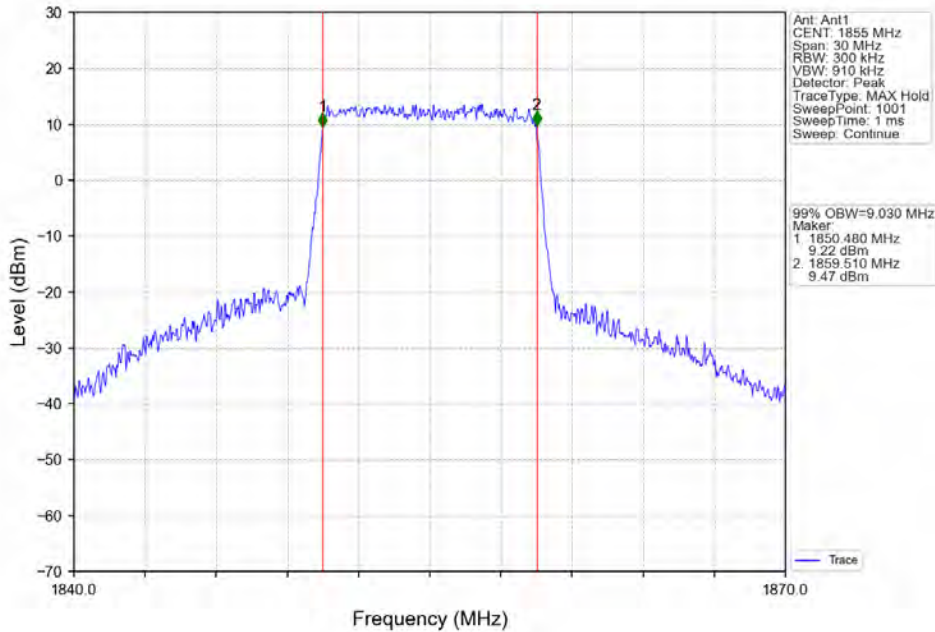


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Band2_10MHz_64QAM_LCH_1855MHz_RB_50_0_NTNV

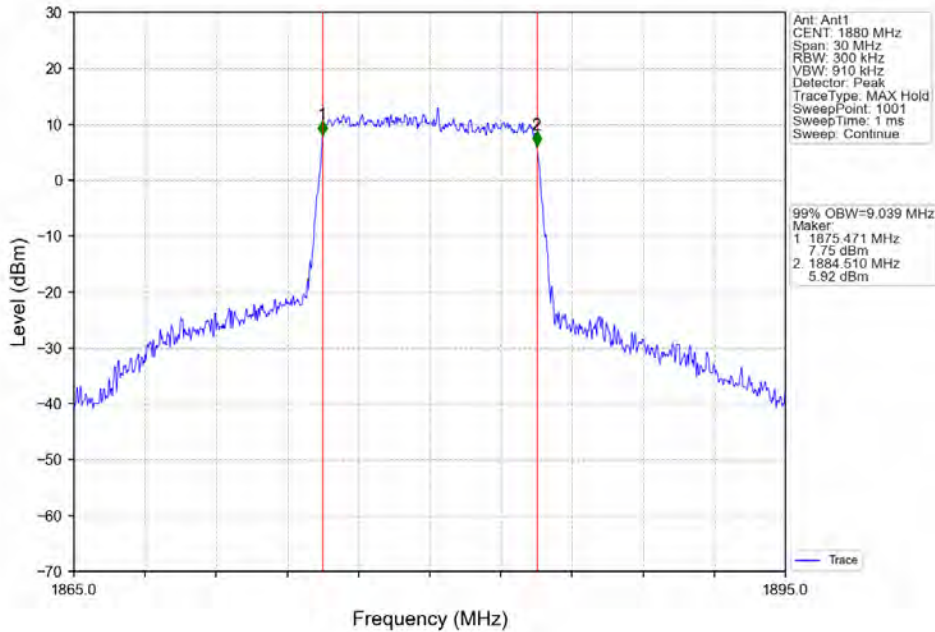


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Band2_10MHz_64QAM_MCH_1880MHz_RB_50_0_NTNV

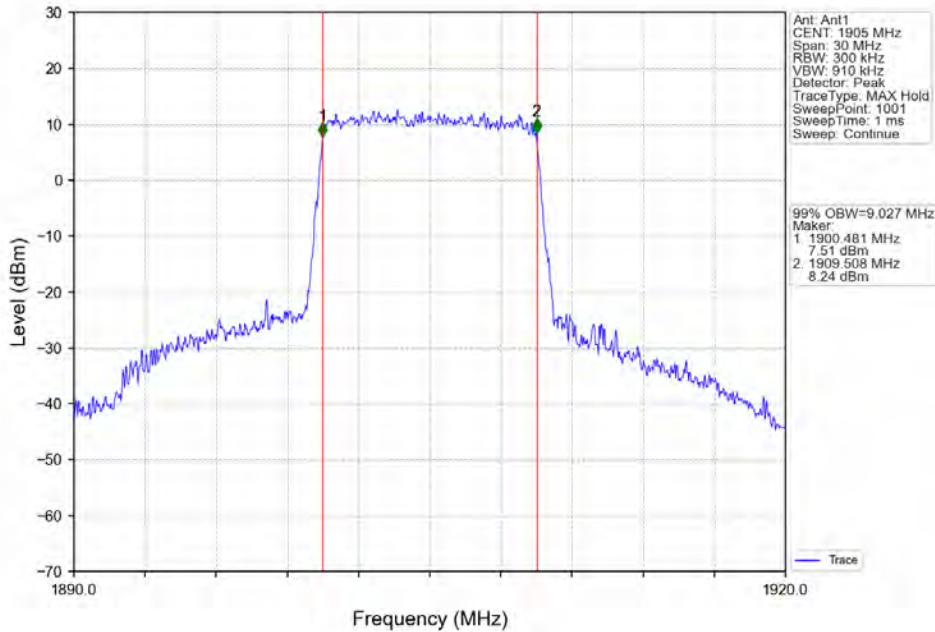


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Band2_10MHz_64QAM_HCH_1905MHz_RB_50_0_NTNV



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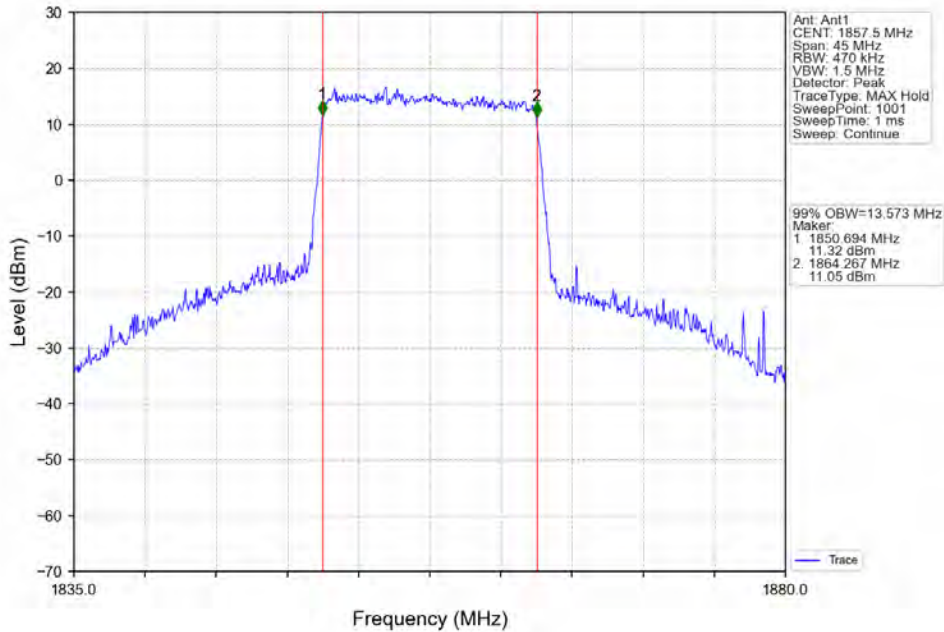
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Band2_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV

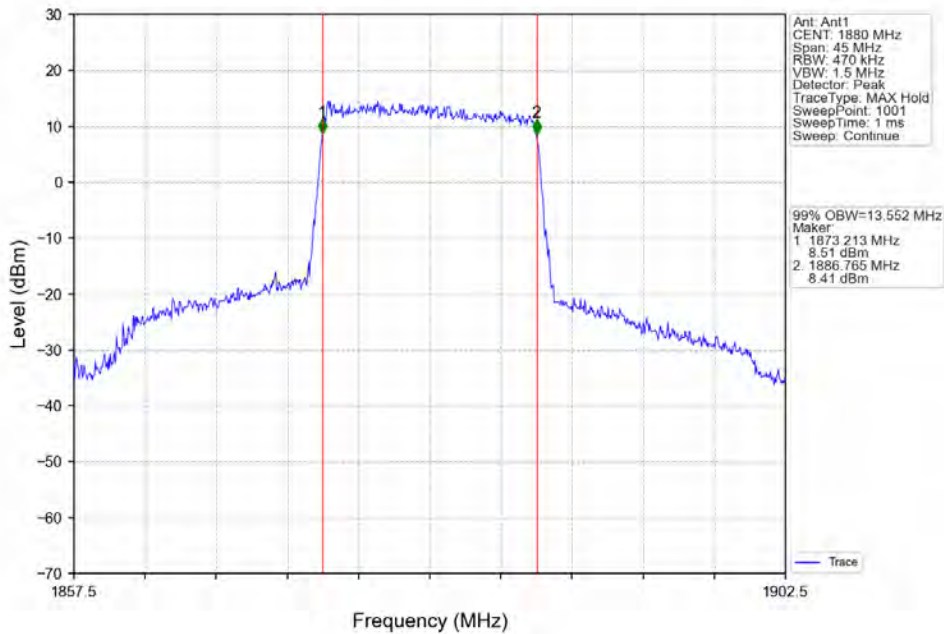


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Band2_15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV

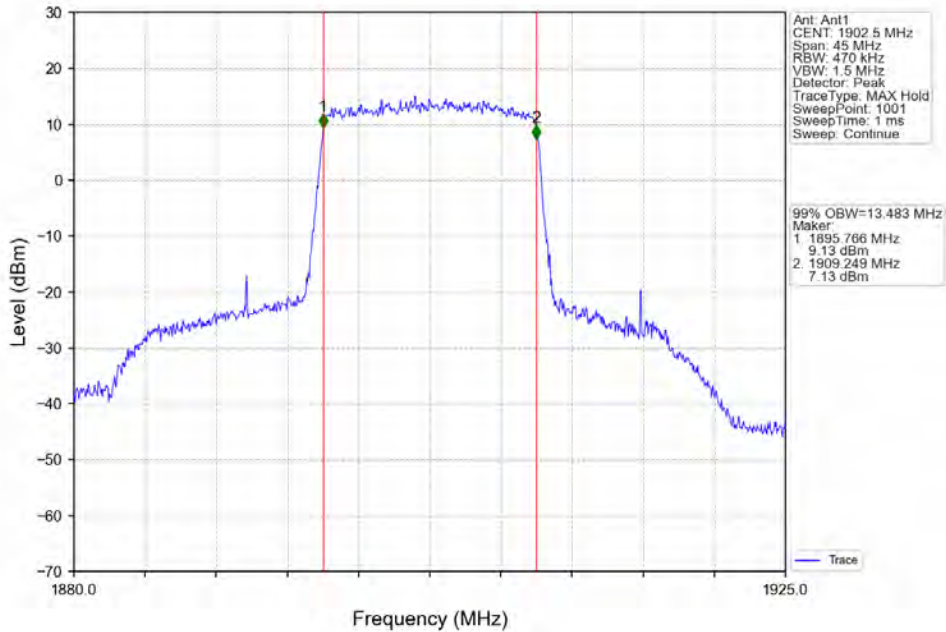


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Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV

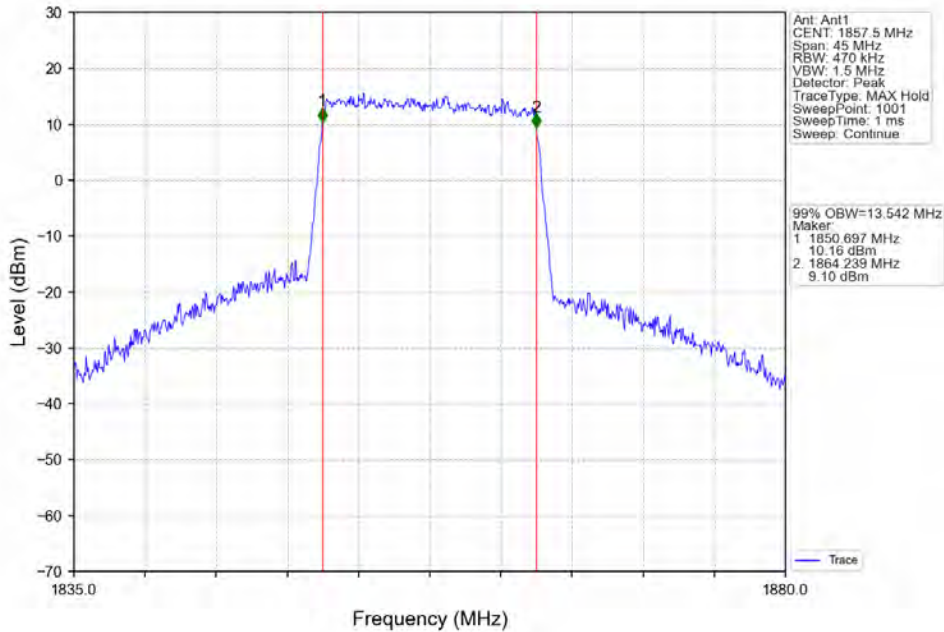


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Band2_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV

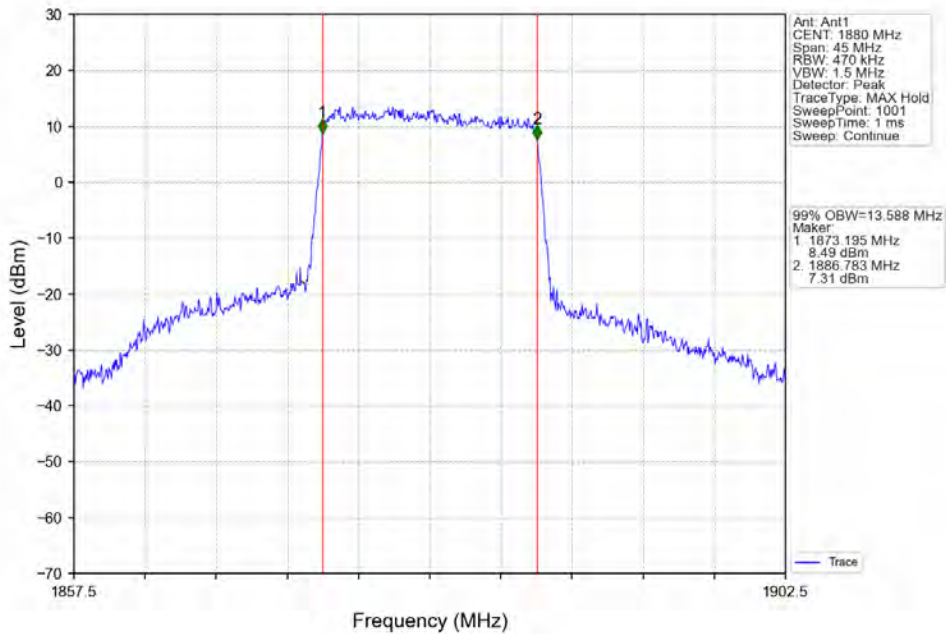


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Band2_15MHz_16QAM_MCH_1880MHz_RB_75_0_NTNV

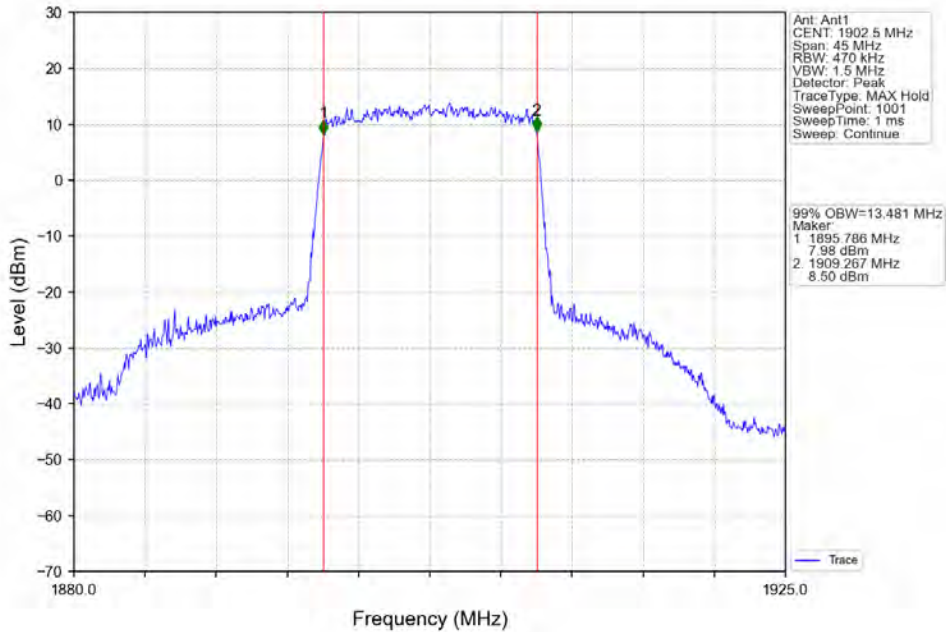


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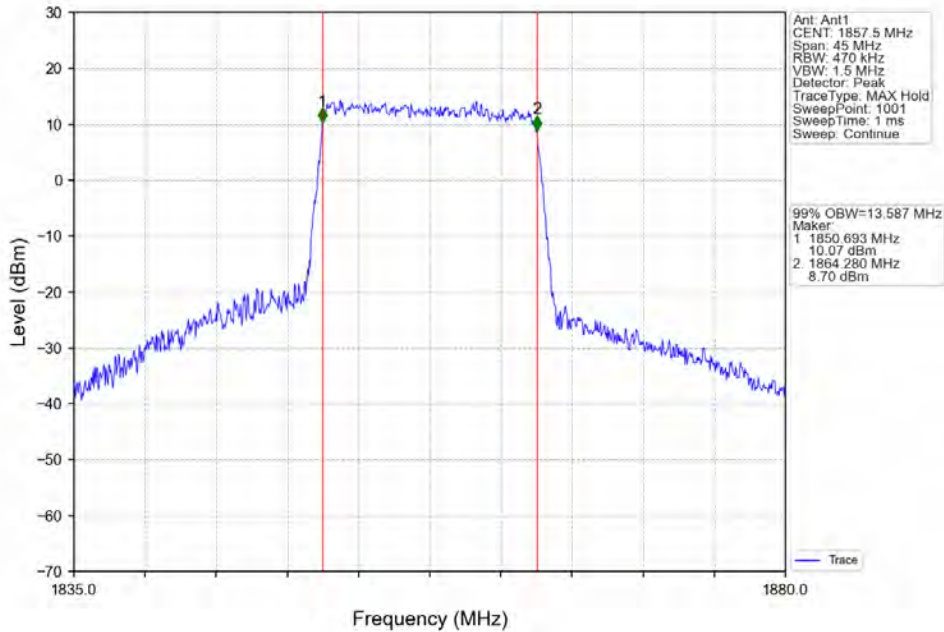


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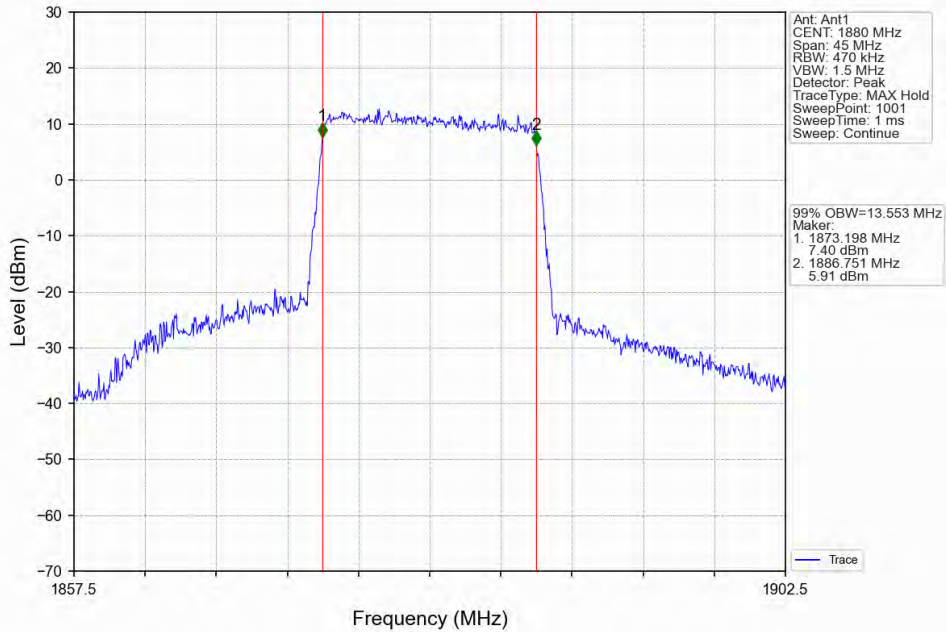


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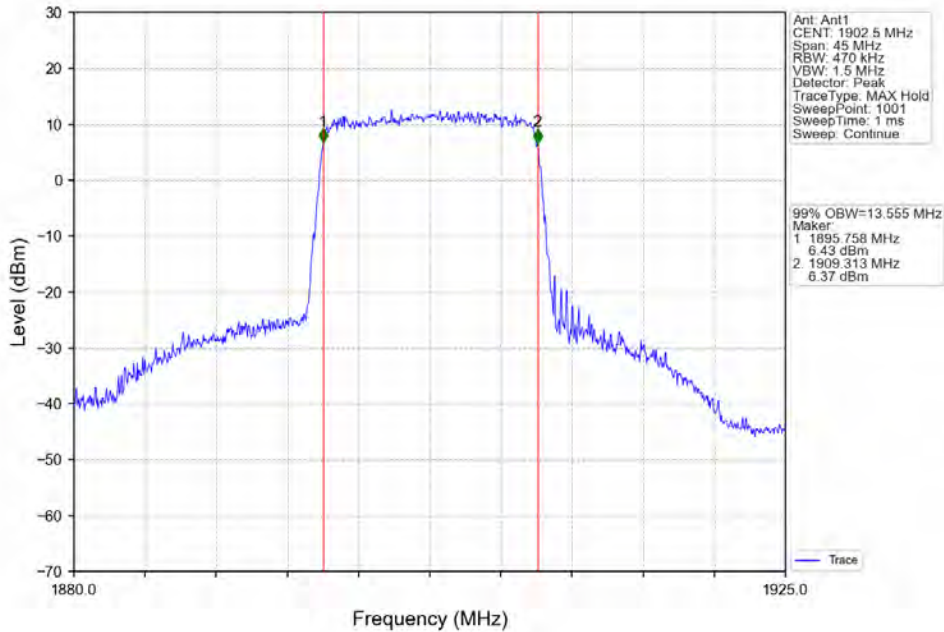


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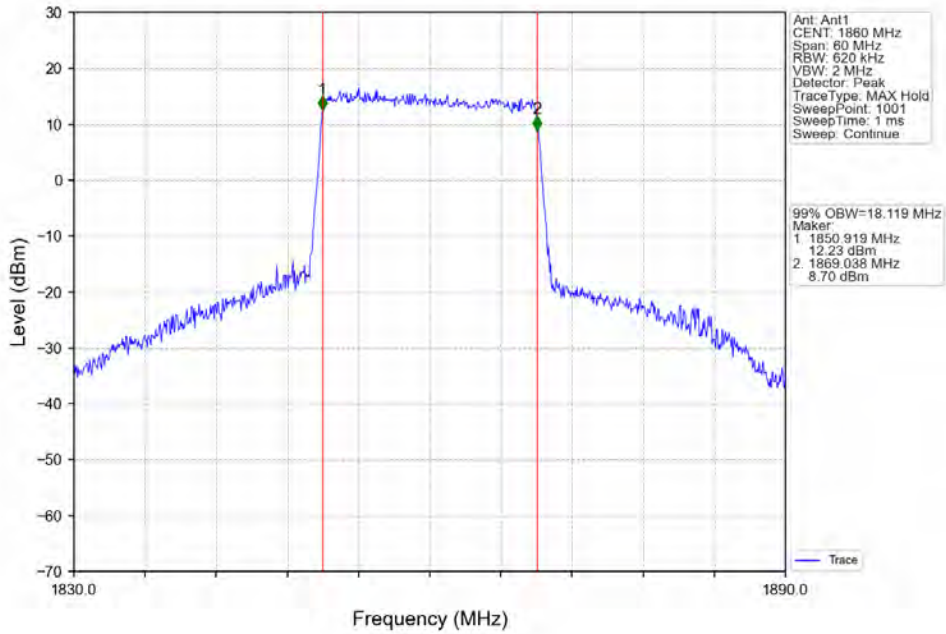


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Band2_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV

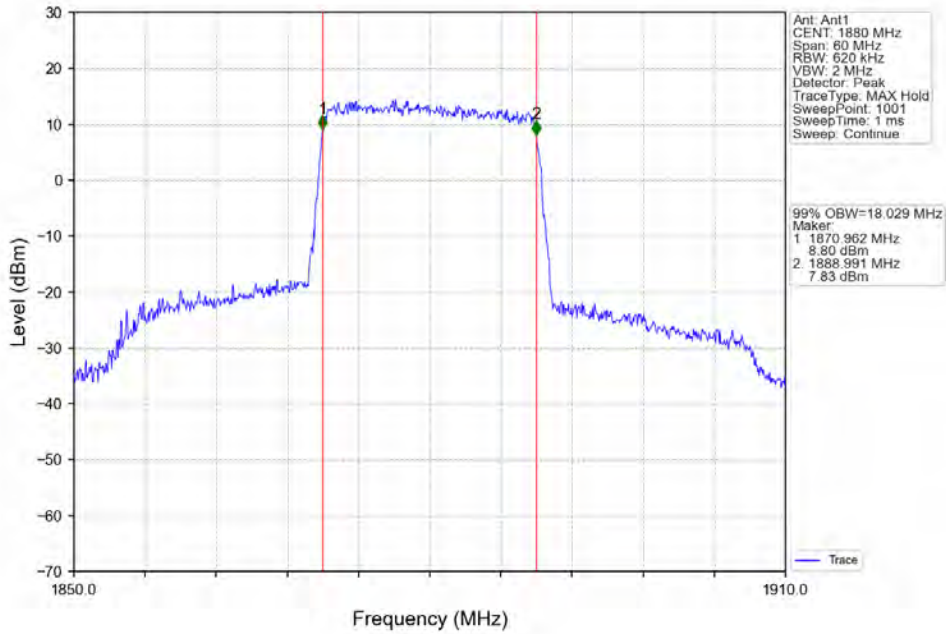


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Band2_20MHz_QPSK_MCH_1880MHz_RB_100_0_NTNV

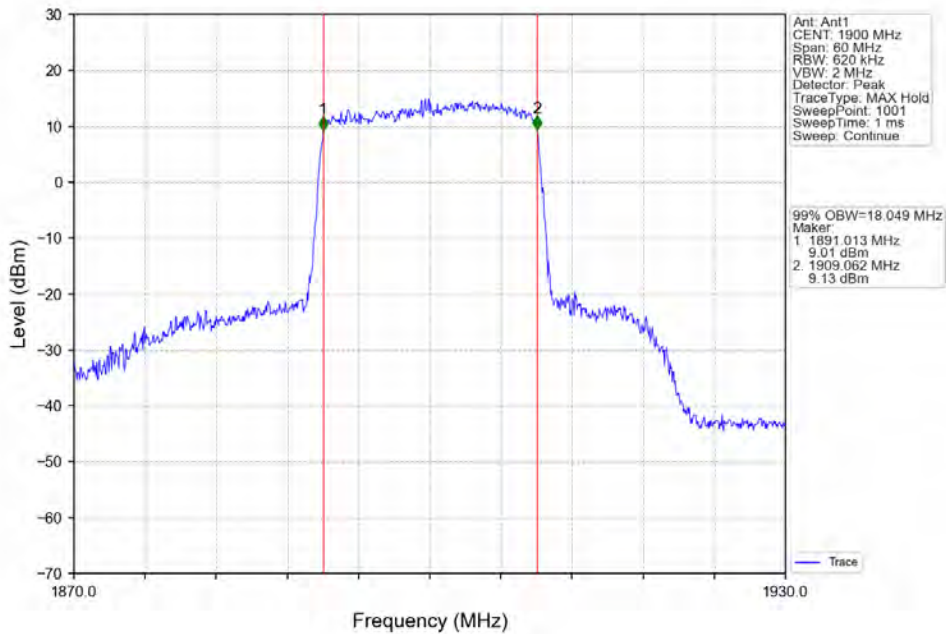


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Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV

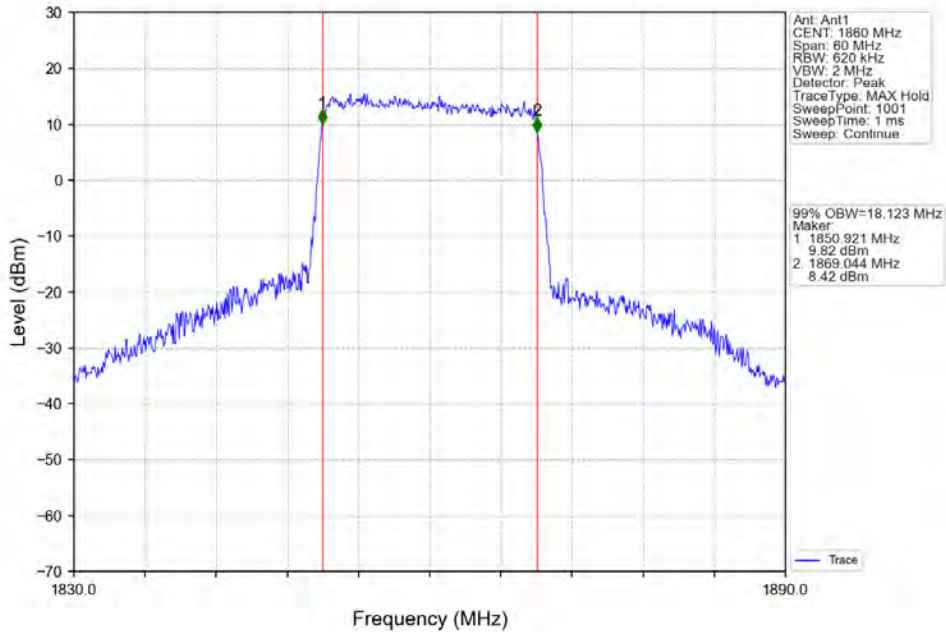


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Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV

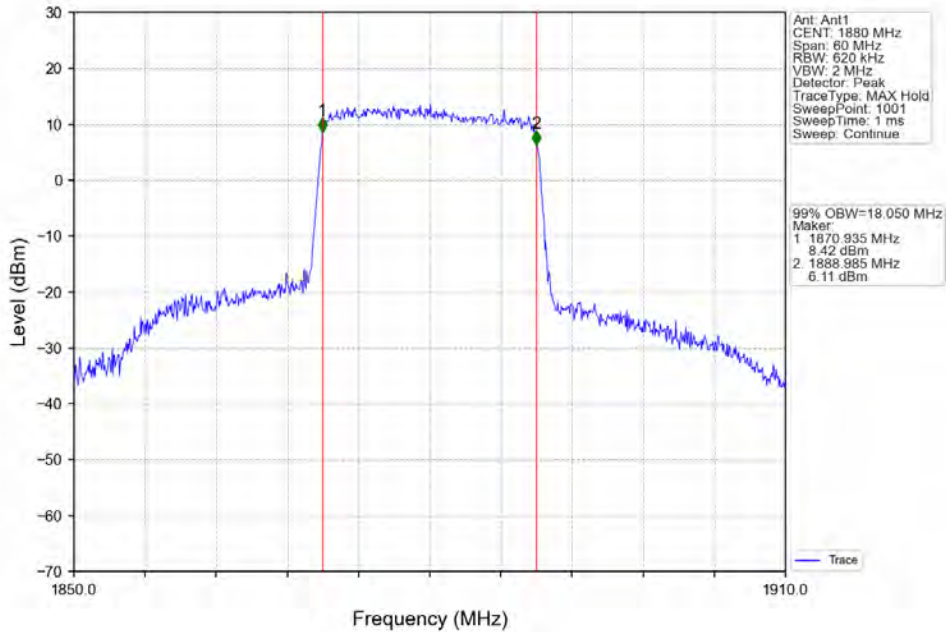


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Band2_20MHz_16QAM_MCH_1880MHz_RB_100_0_NTNV

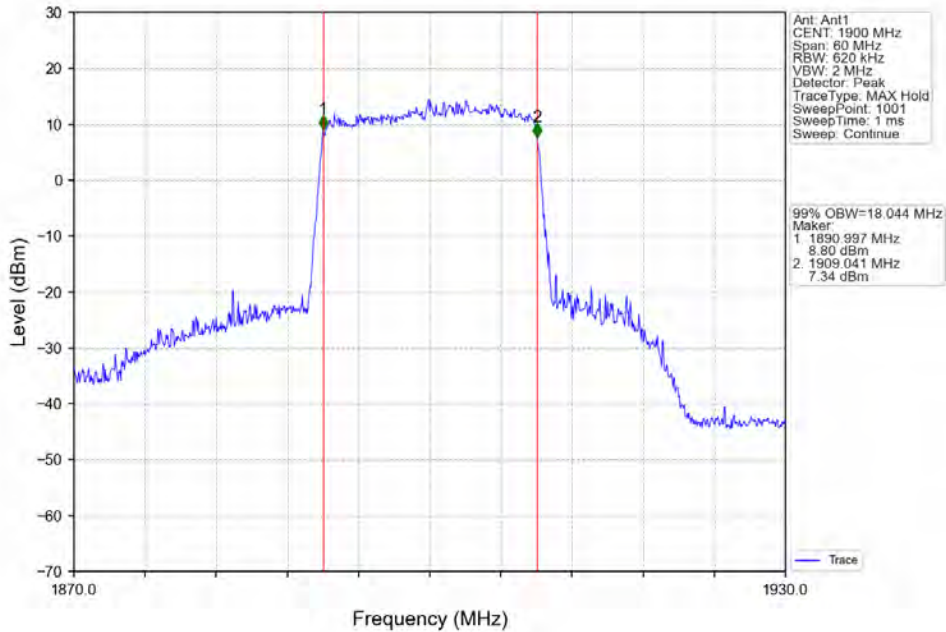


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Band2_20MHz_16QAM_HCH_1900MHz_RB_100_0_NTNV

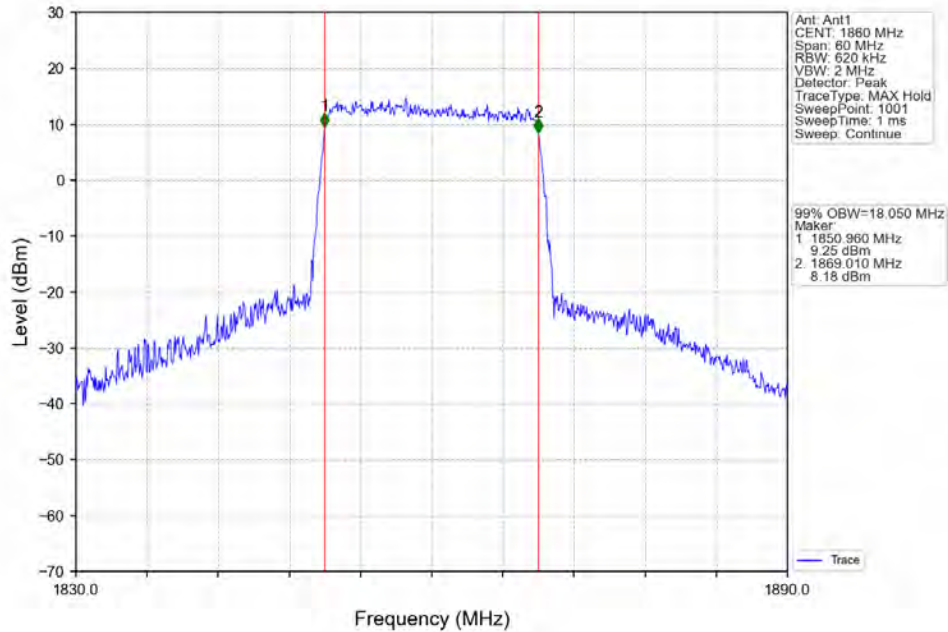


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Band2_20MHz_64QAM_LCH_1860MHz_RB_100_0_NTNV

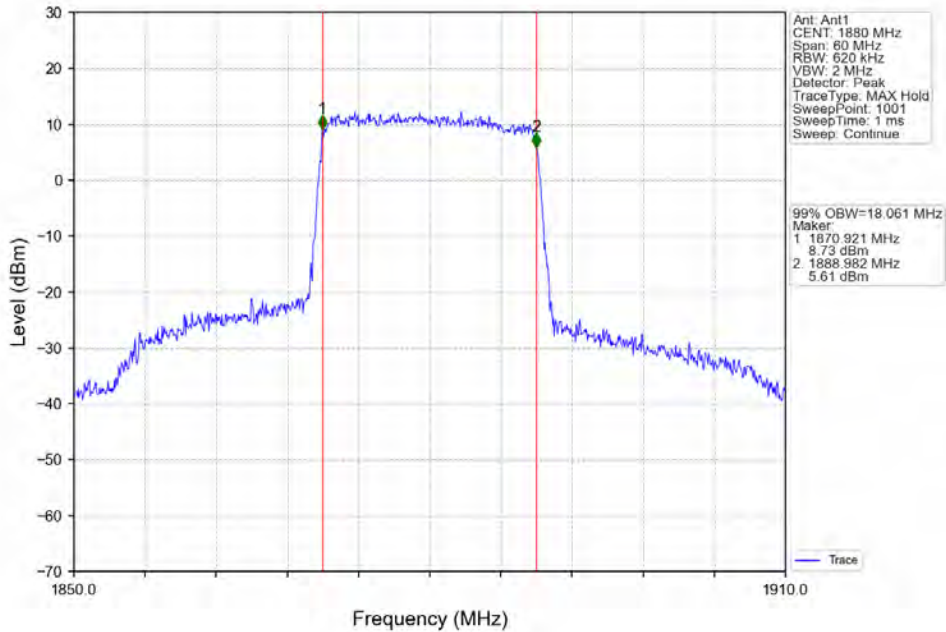


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Band2_20MHz_64QAM_MCH_1880MHz_RB_100_0_NTNV

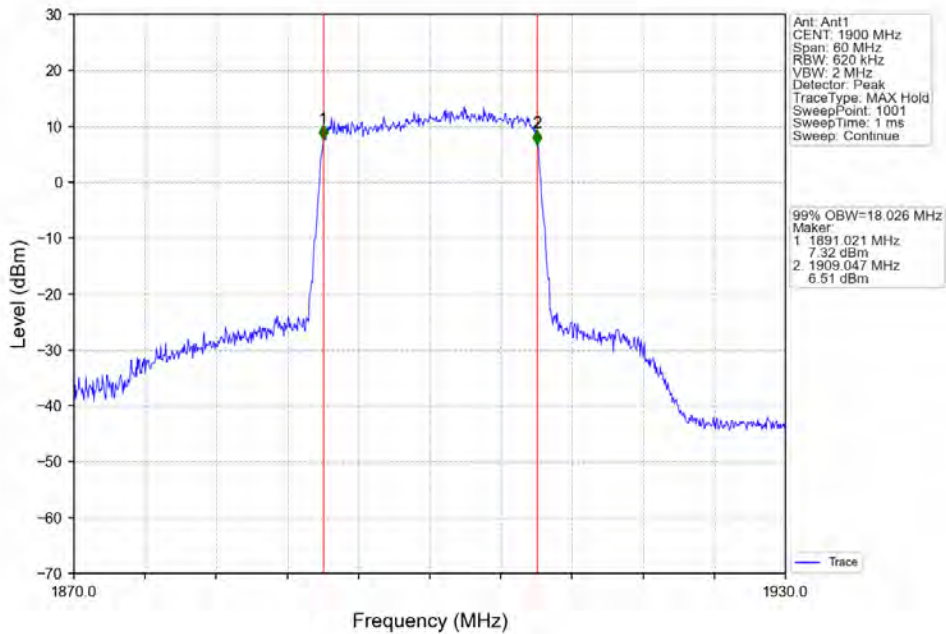


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Band2_20MHz_64QAM_HCH_1900MHz_RB_100_0_NTNV



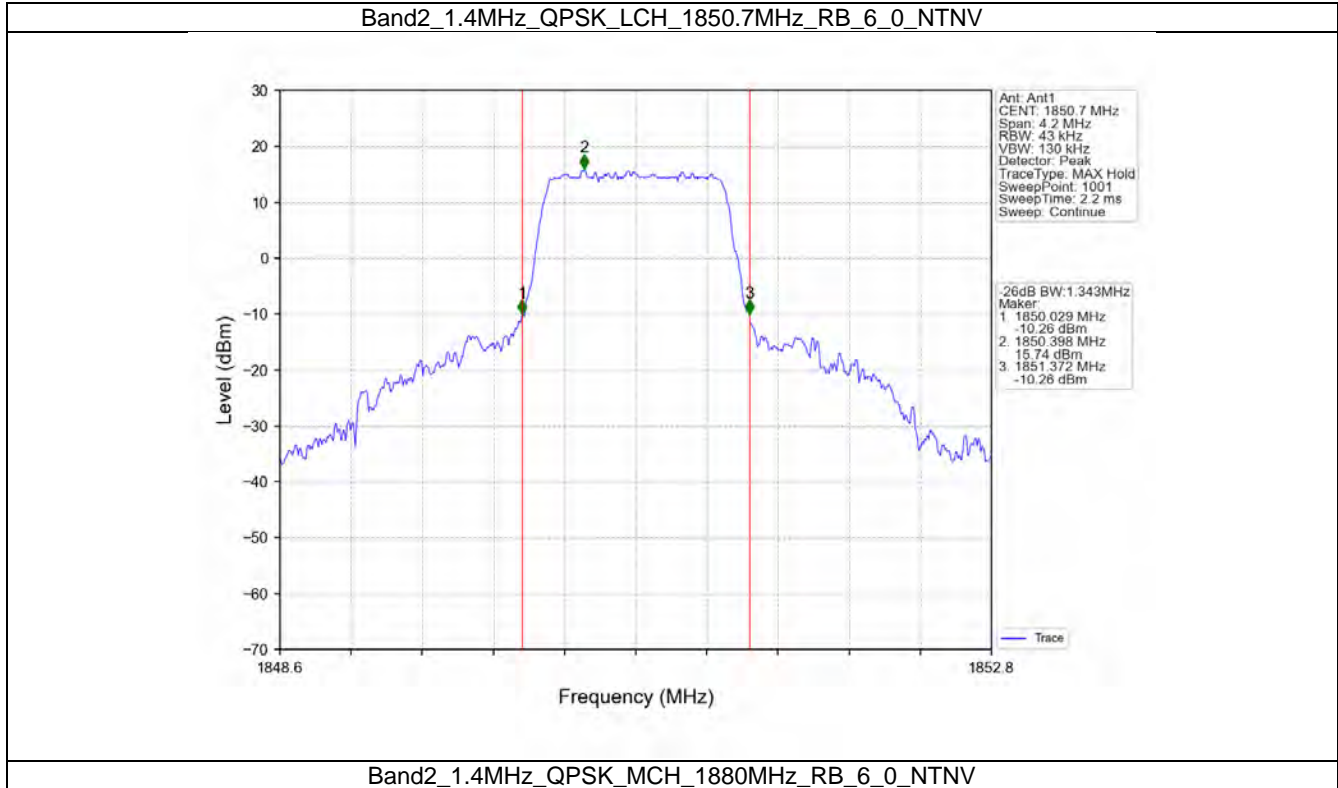
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3.2 Band2_XDB

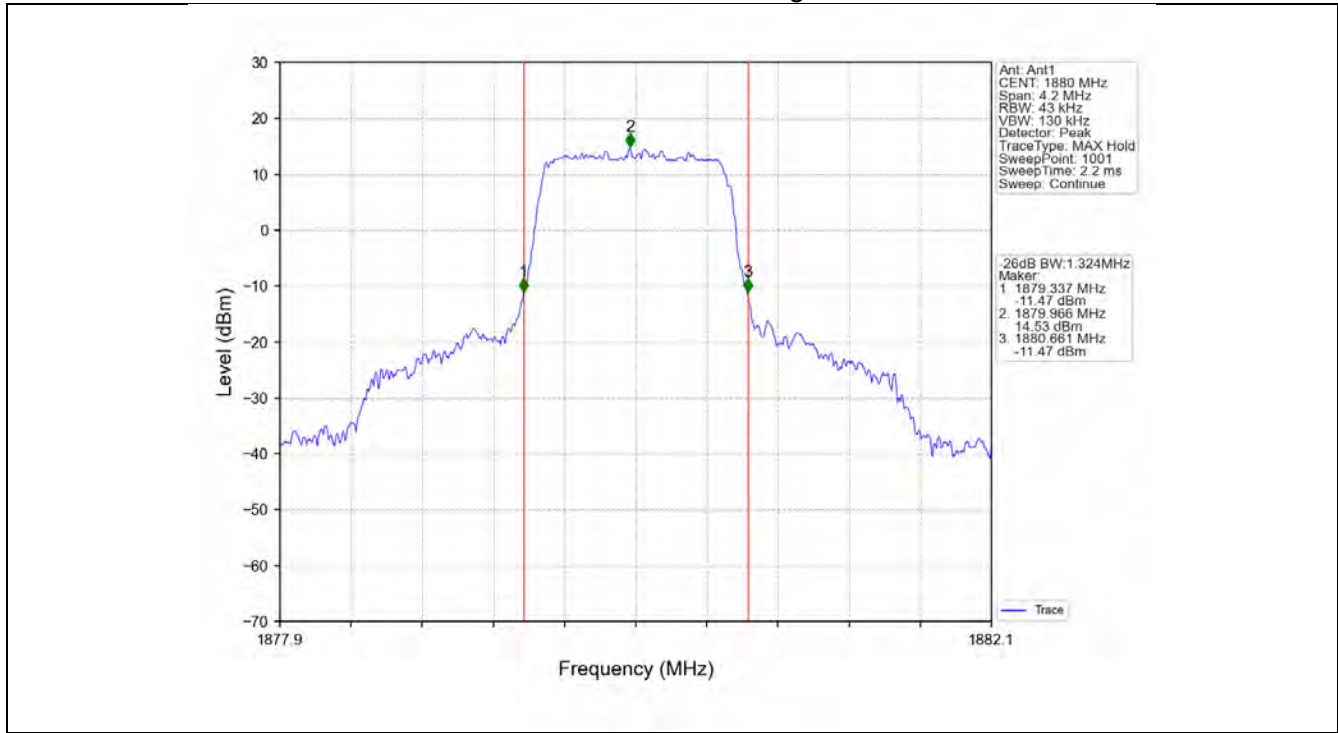
3.2.2 Test Graph



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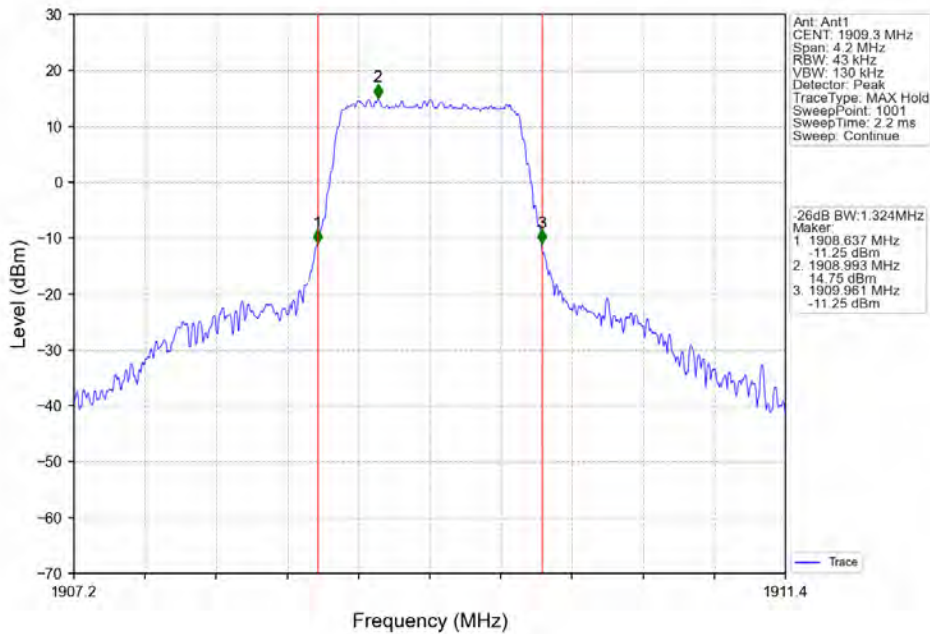


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Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



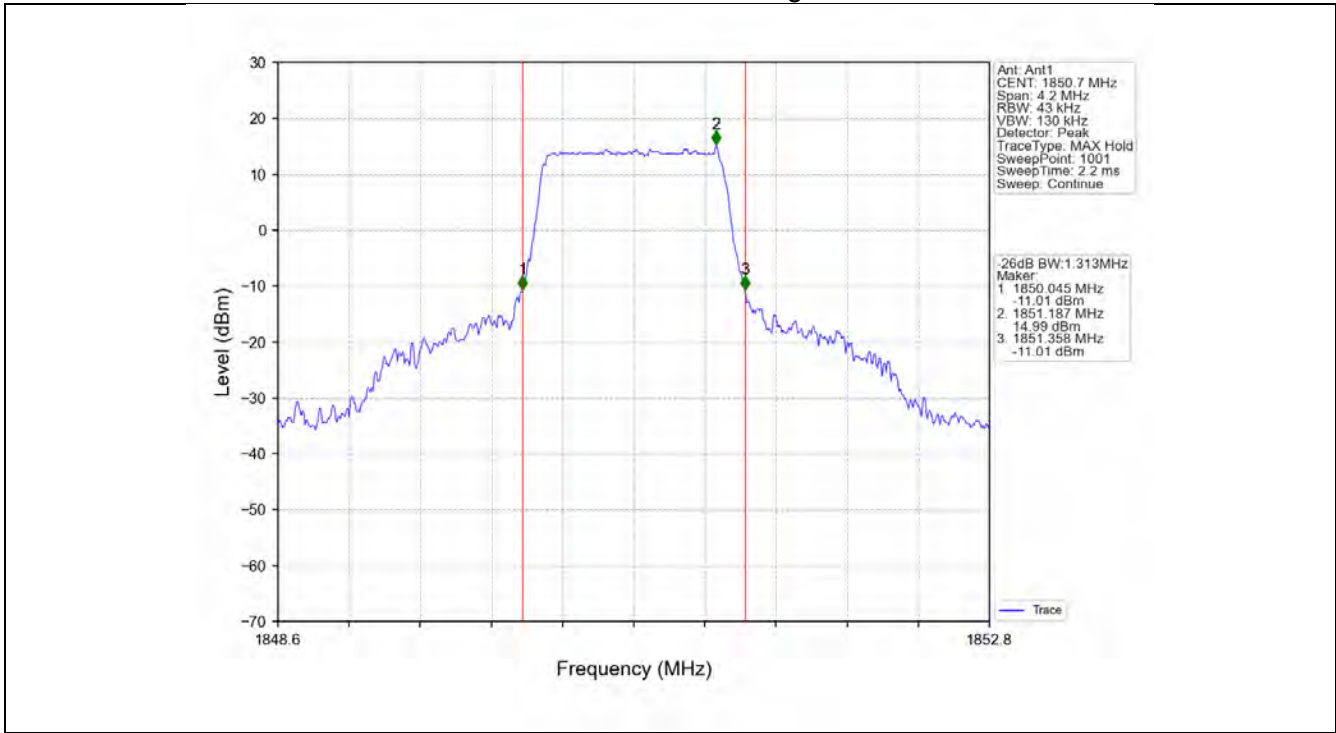
Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



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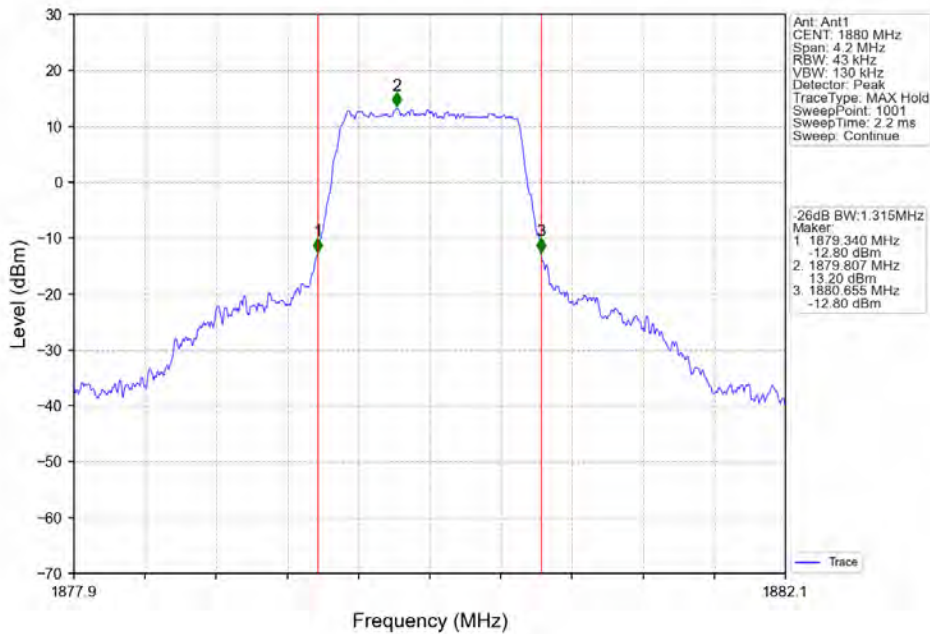


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Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV



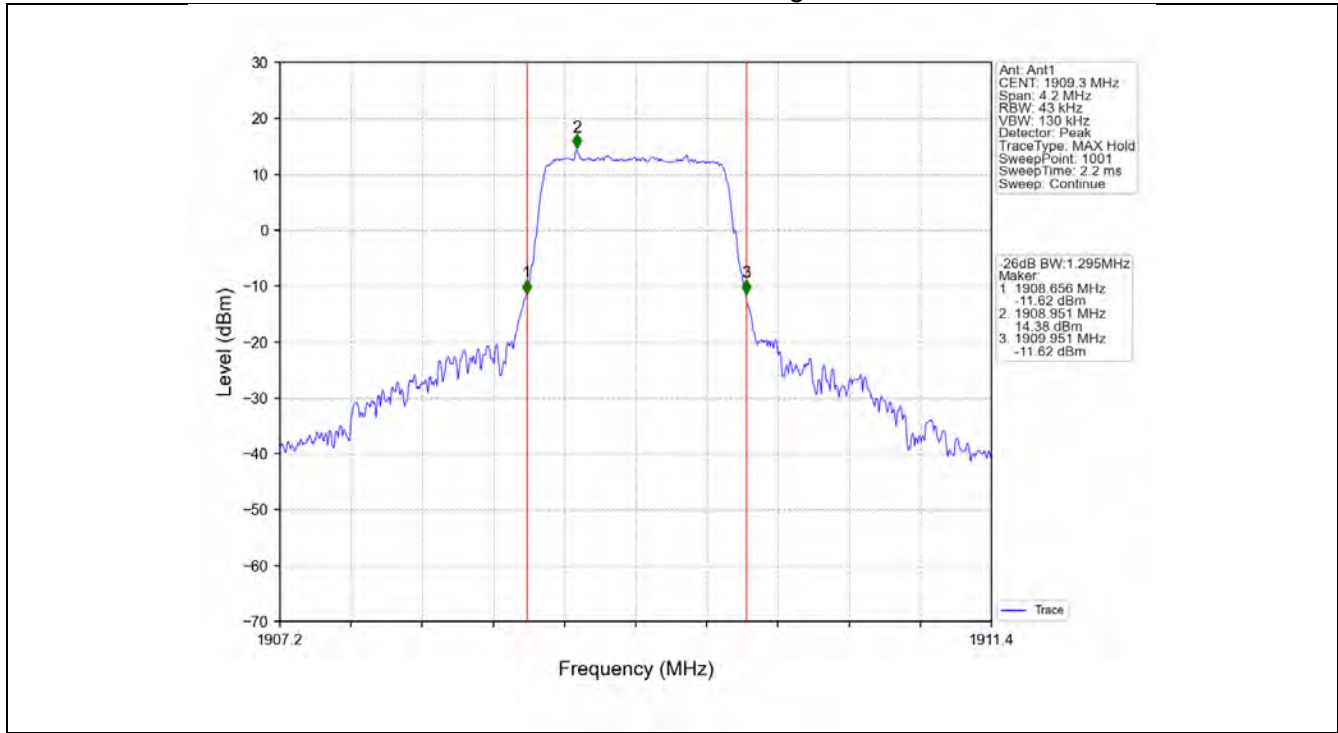
Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV



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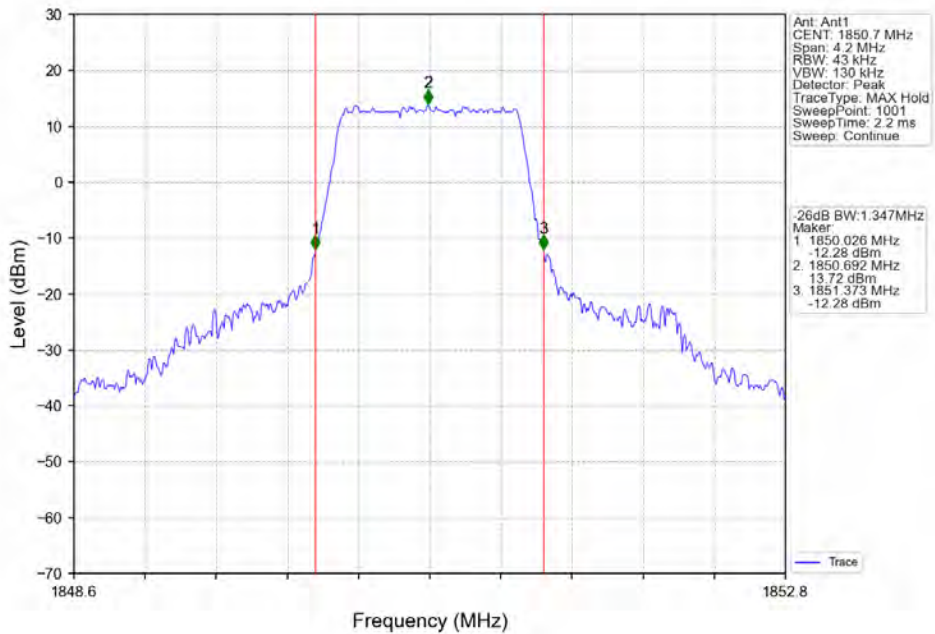


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Band2_1.4MHz_64QAM_LCH_1850.7MHz_RB_6_0_NTNV



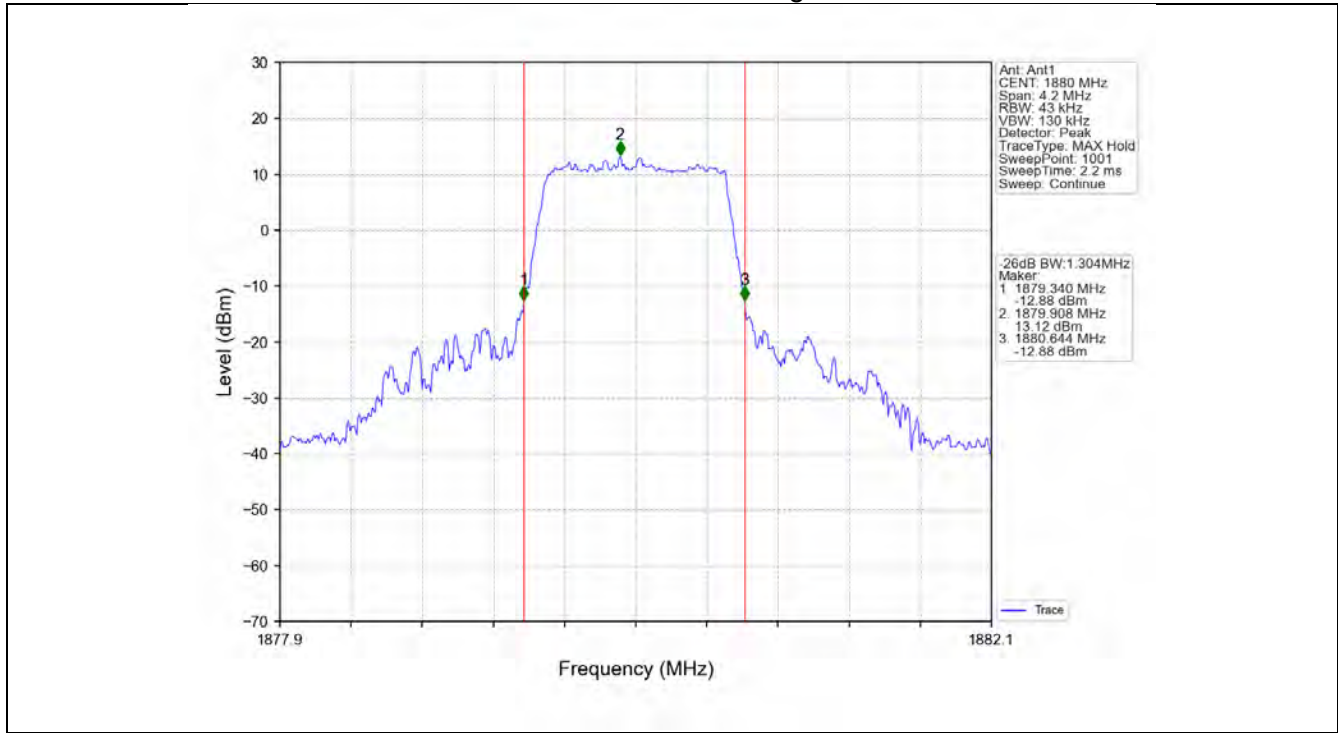
Band2_1.4MHz_64QAM_MCH_1880MHz_RB_6_0_NTNV



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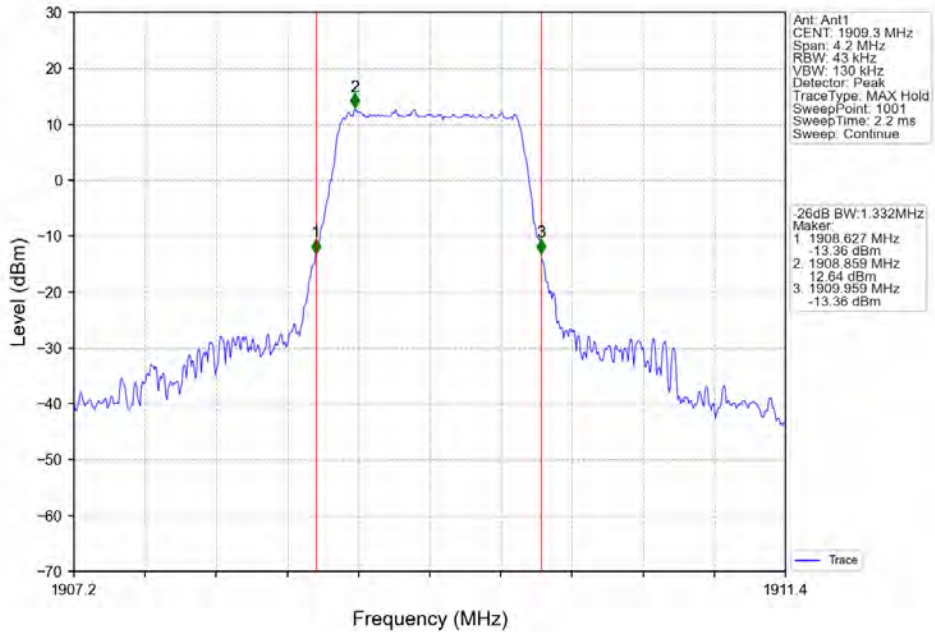
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Band2_1.4MHz_64QAM_HCH_1909.3MHz_RB_6_0_NTNV



Band2_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV

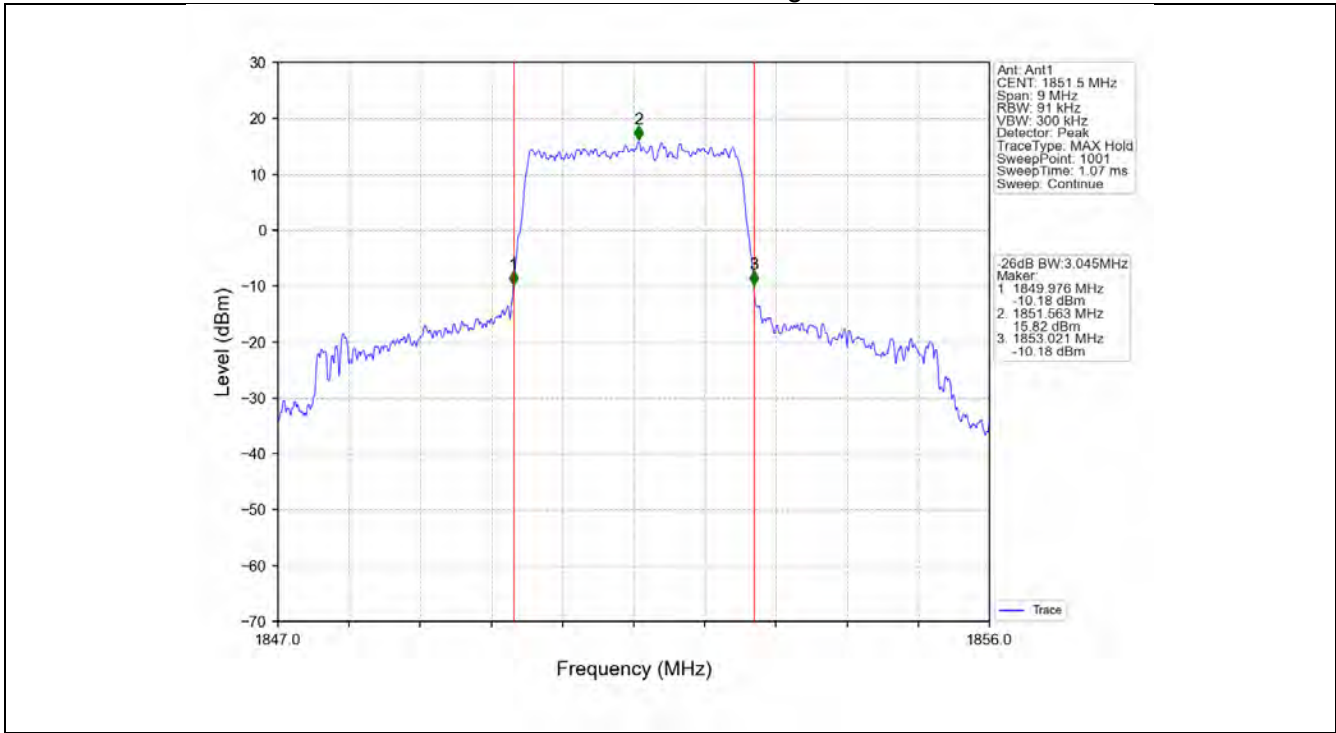


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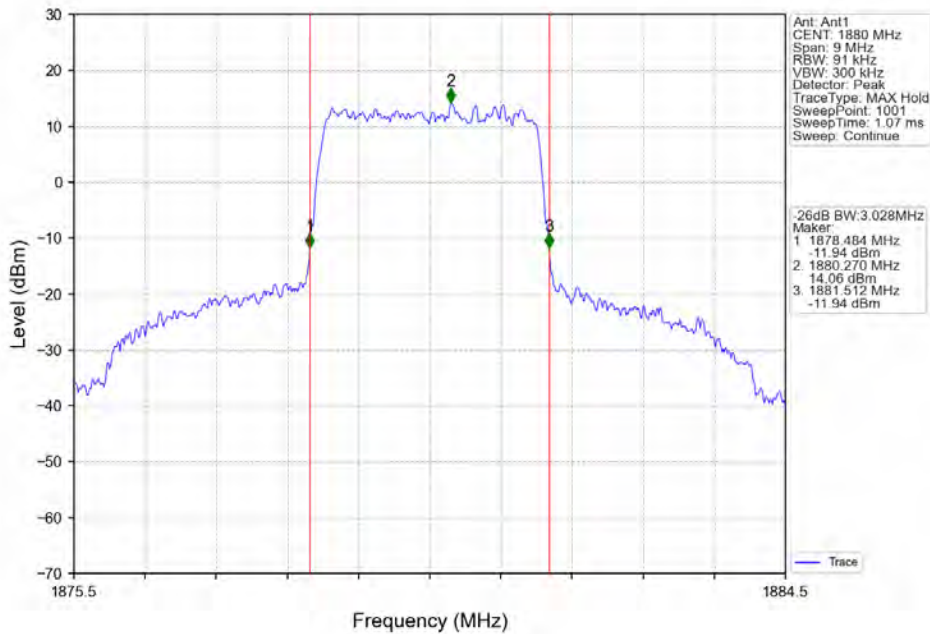


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Band2_3MHz_QPSK_MCH_1880MHz_RB_15_0_NTNV



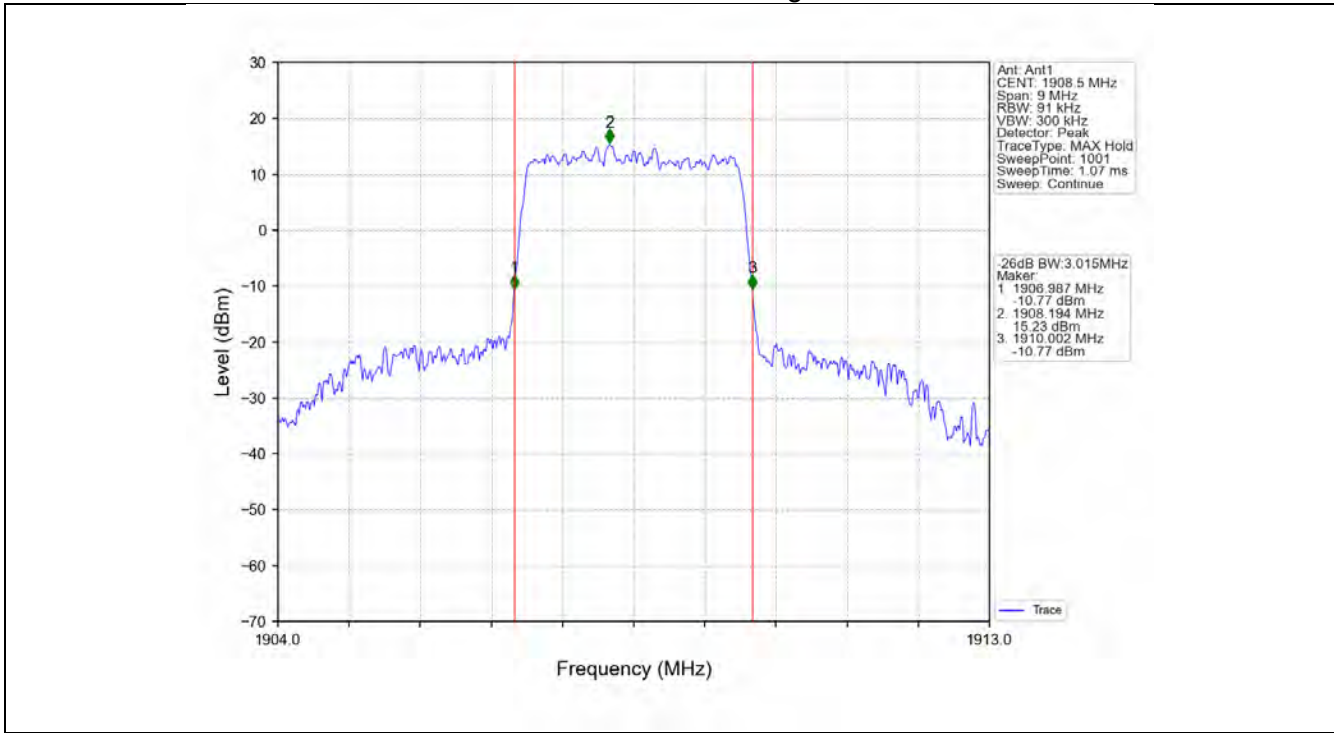
Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



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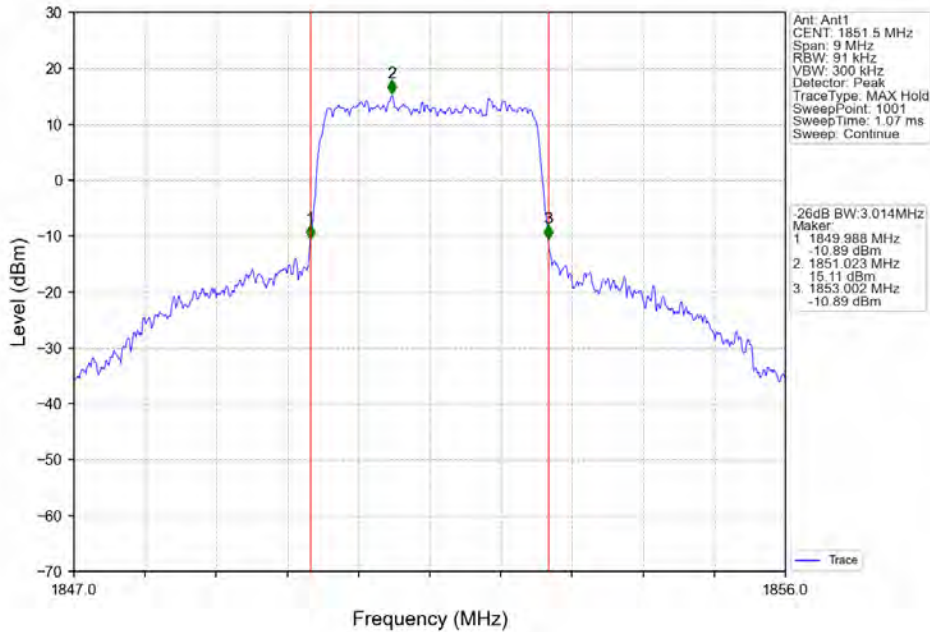


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Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



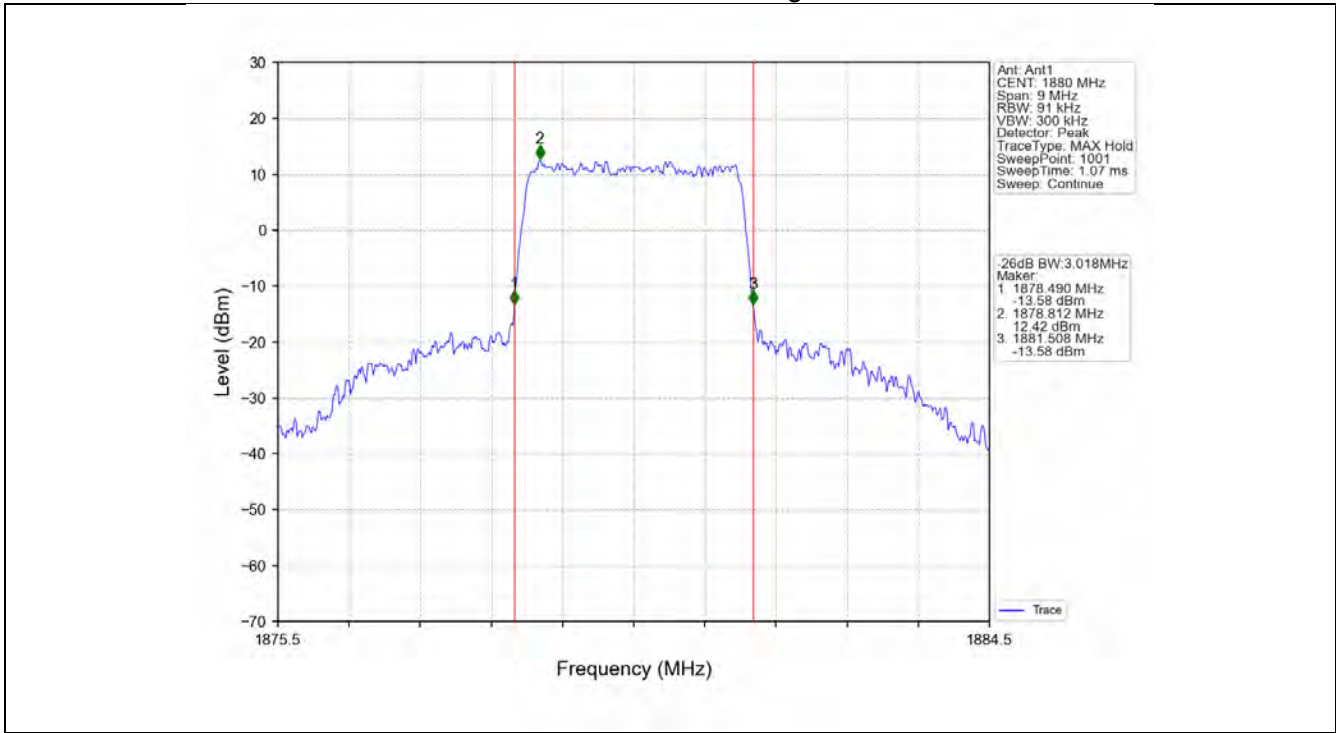
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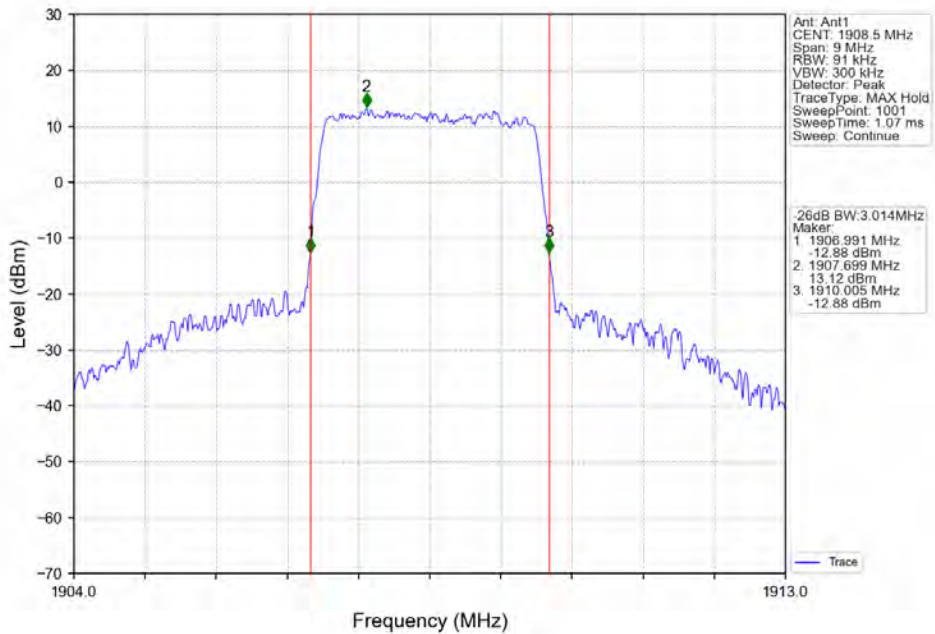


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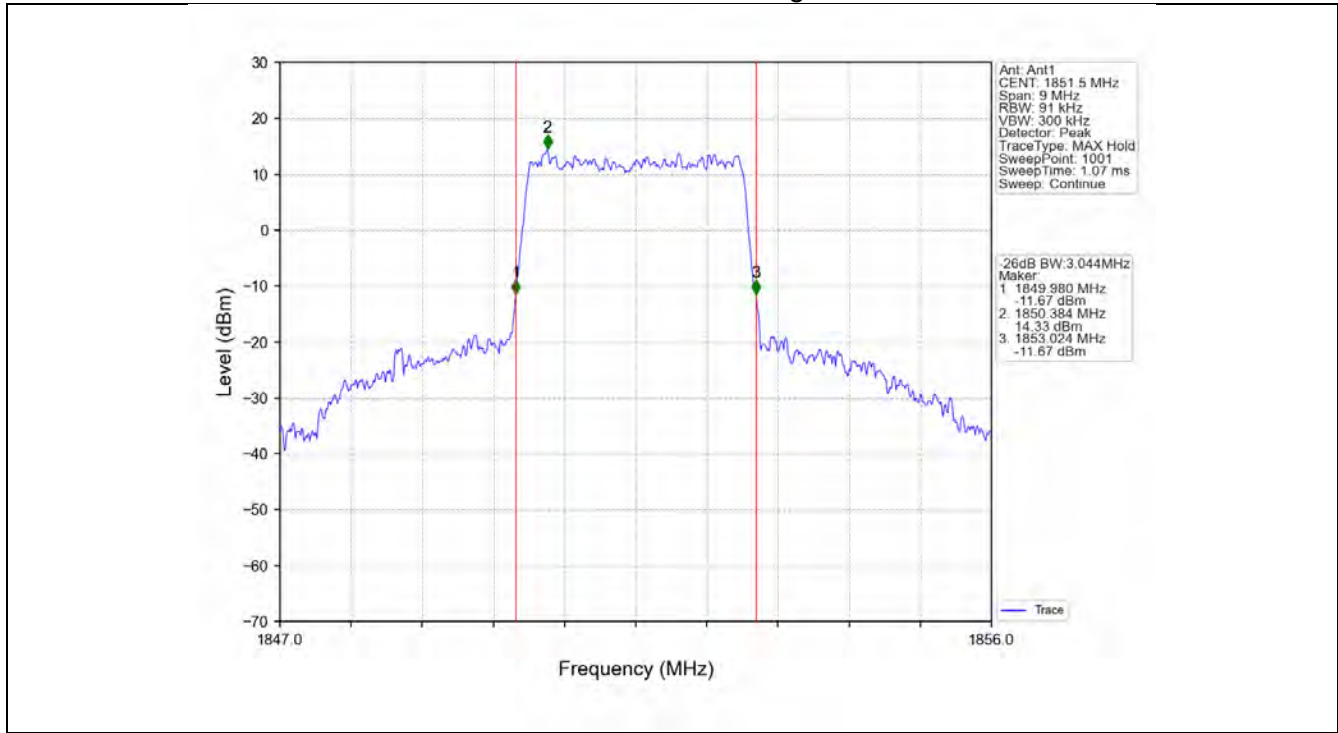
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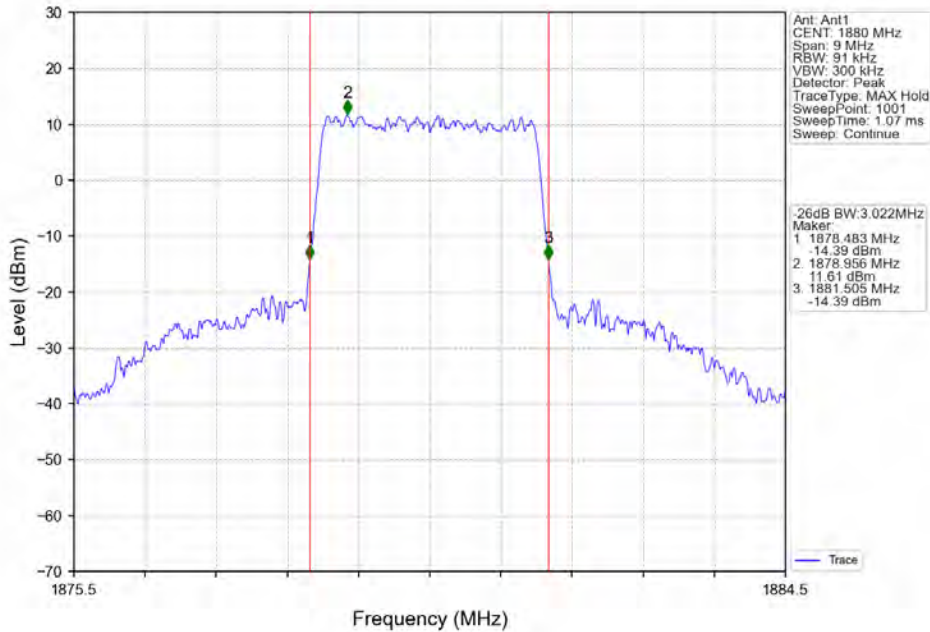


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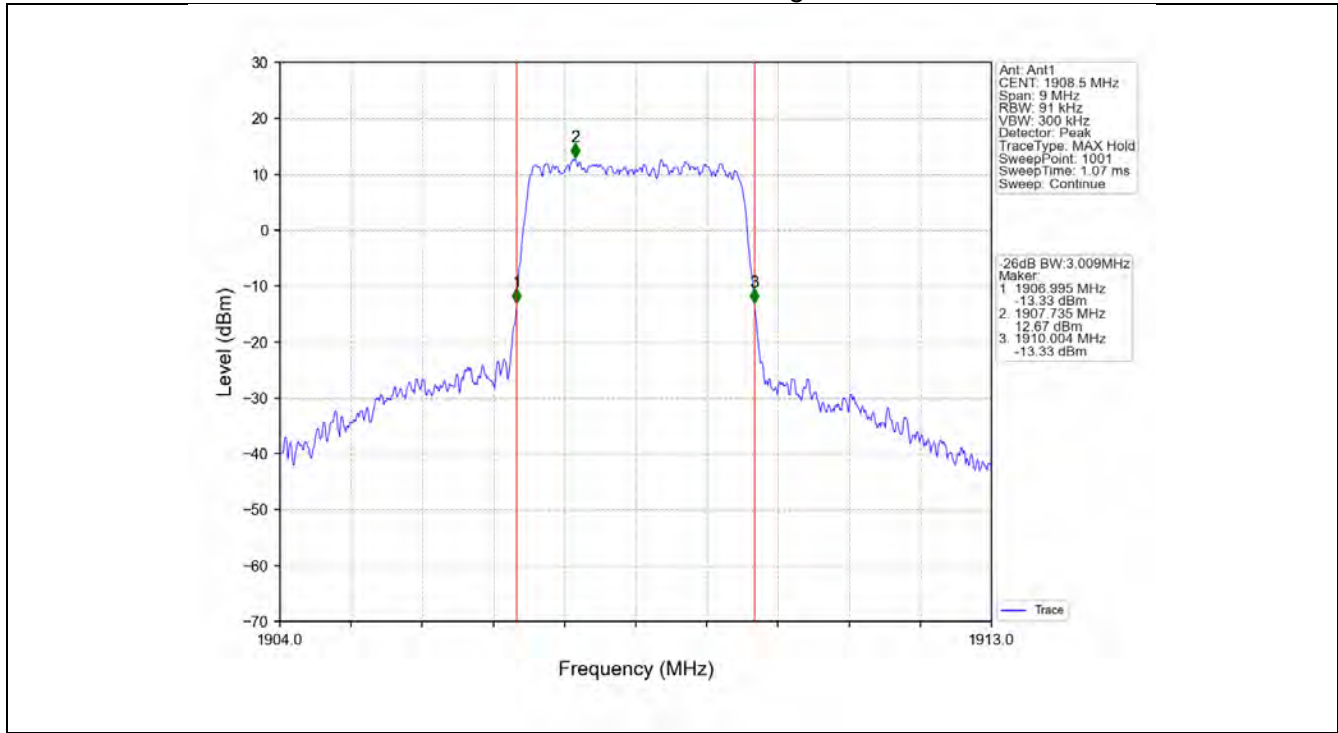
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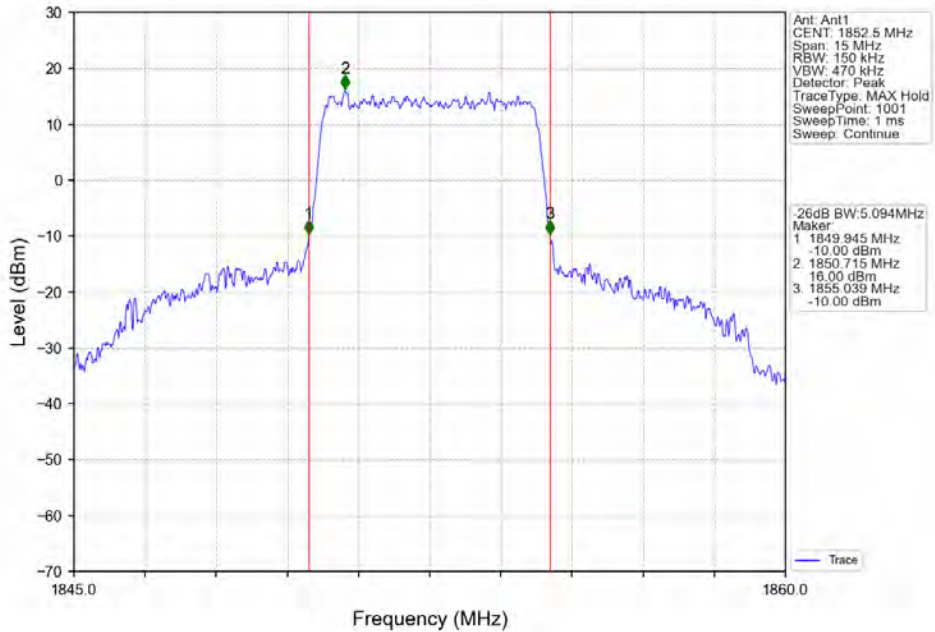
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Band2_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



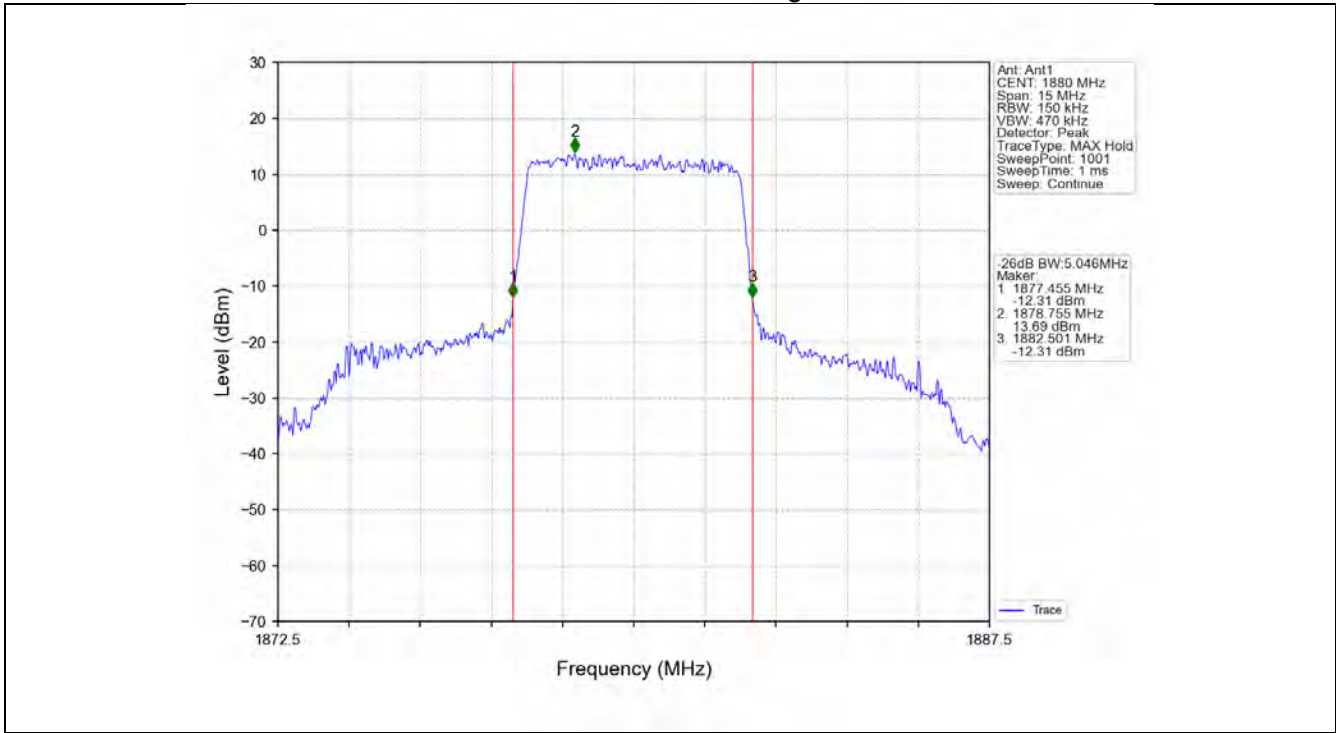
Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV



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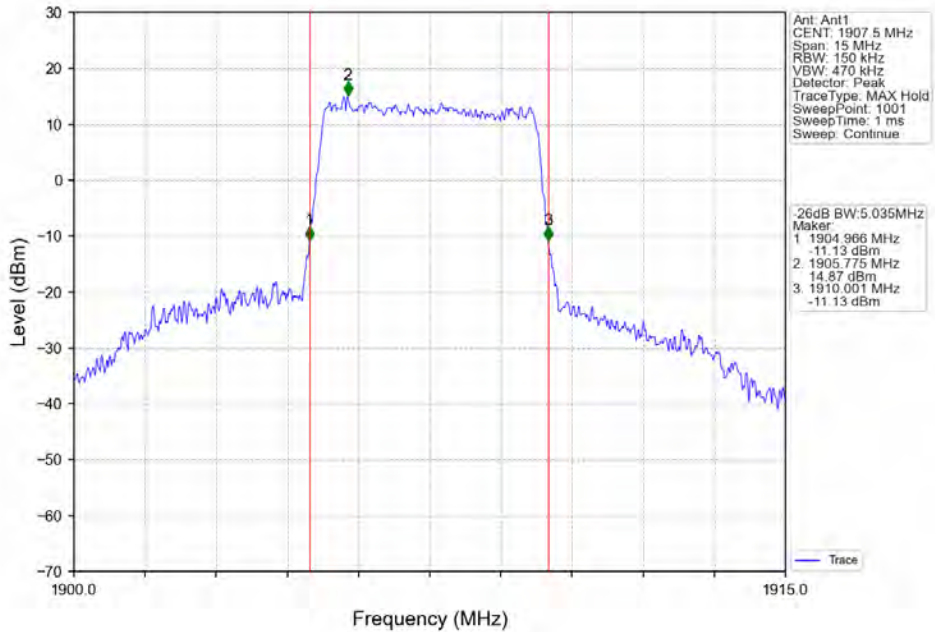


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Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



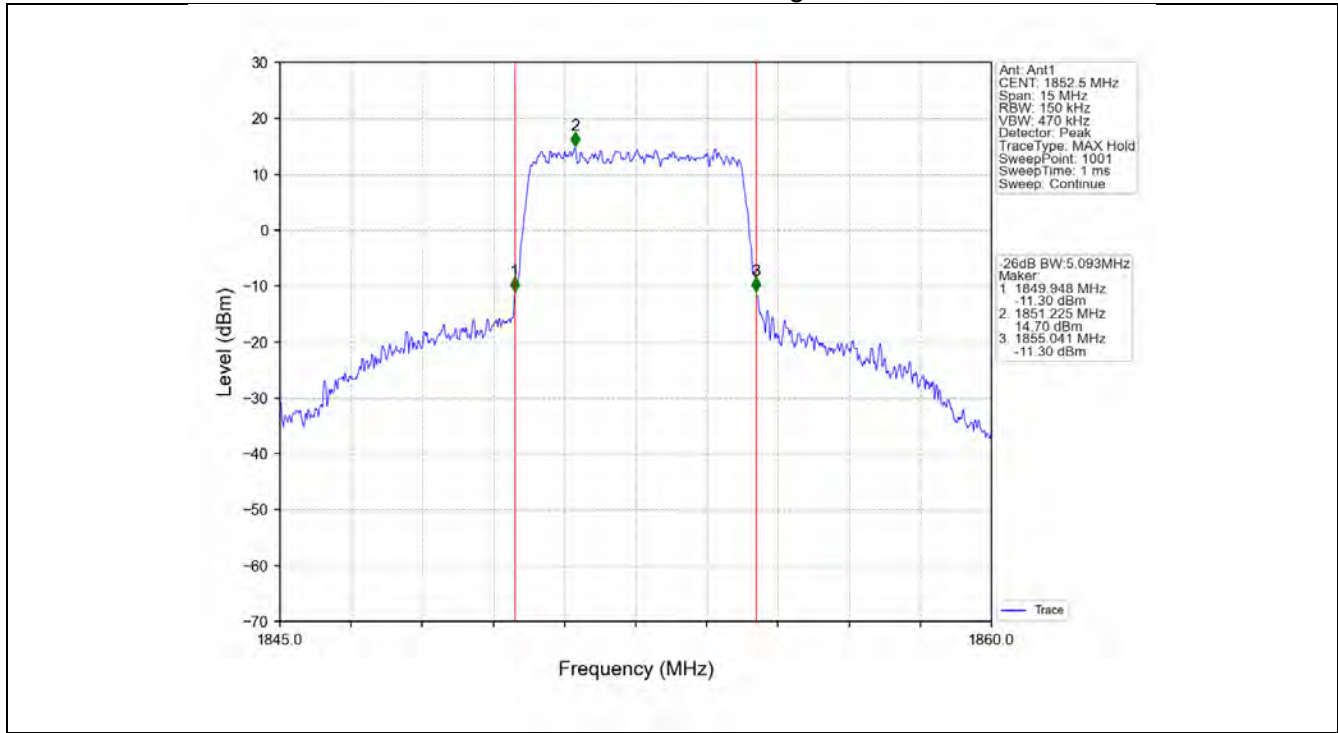
Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



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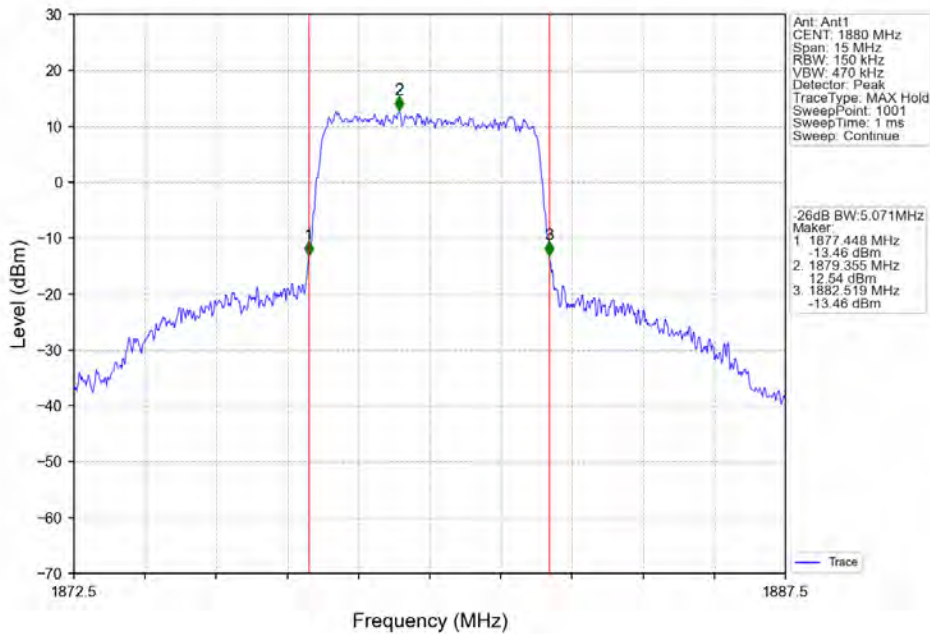


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Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV



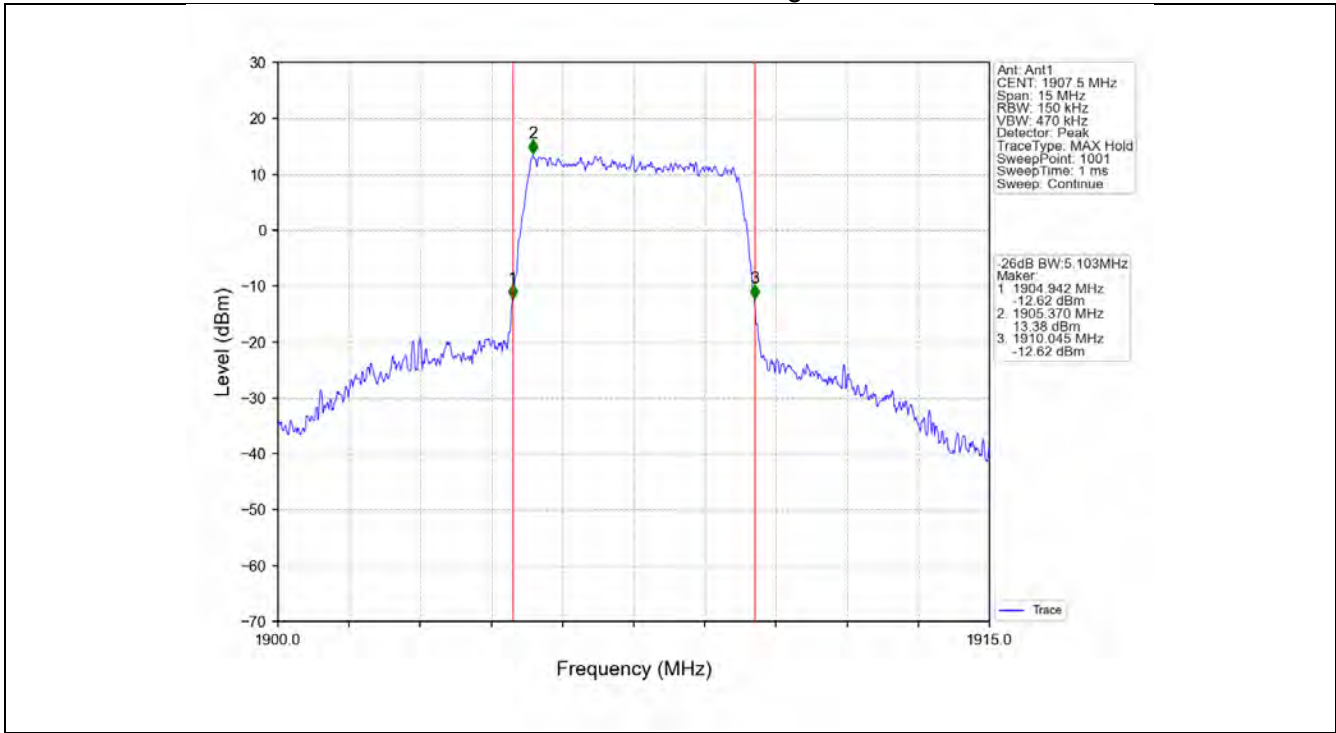
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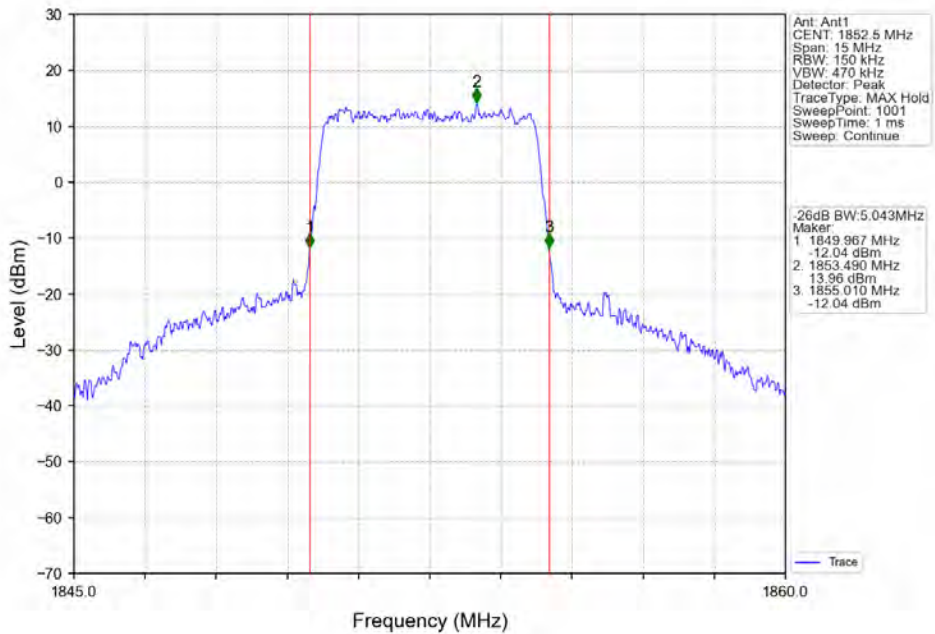


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Band2_5MHz_64QAM_LCH_1852.5MHz_RB_25_0_NTNV



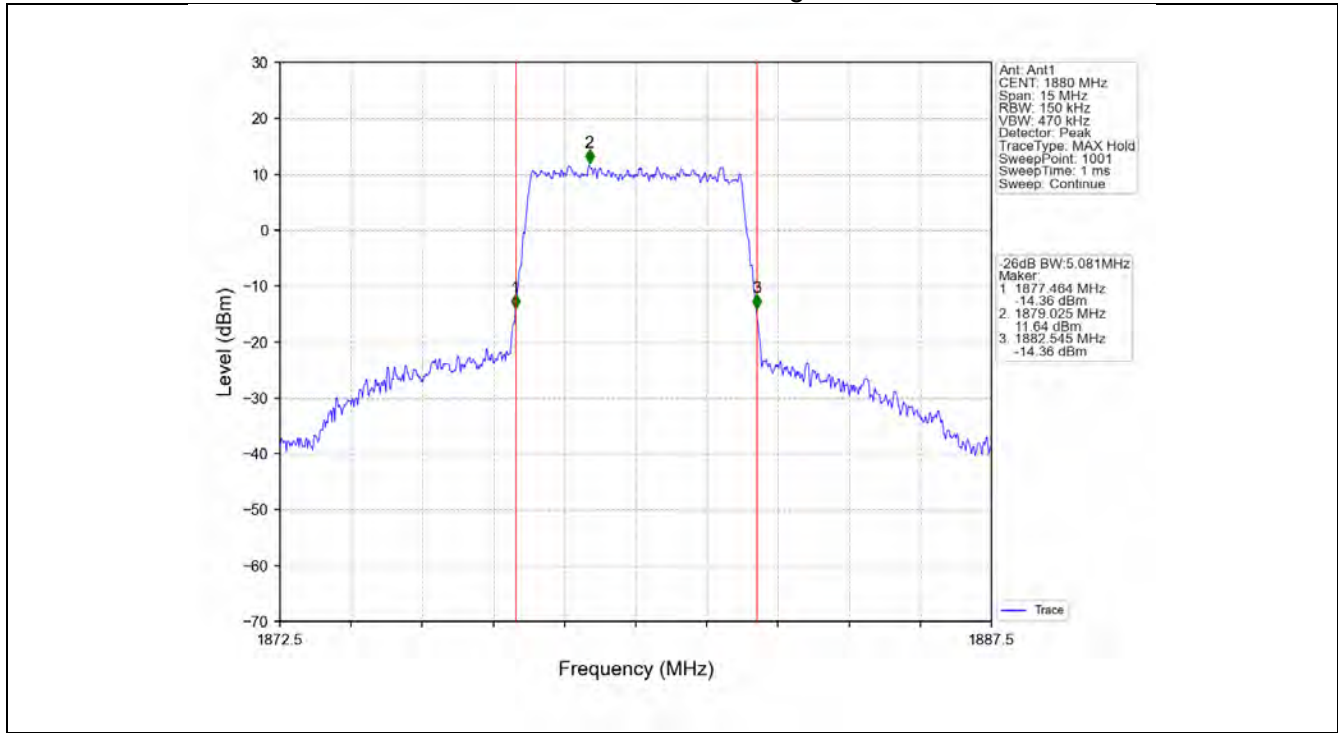
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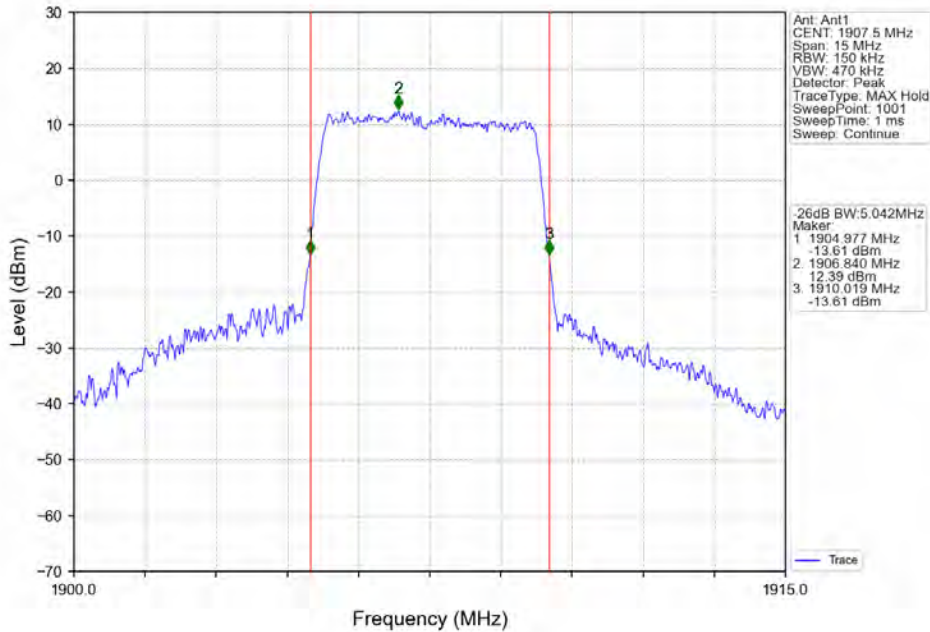


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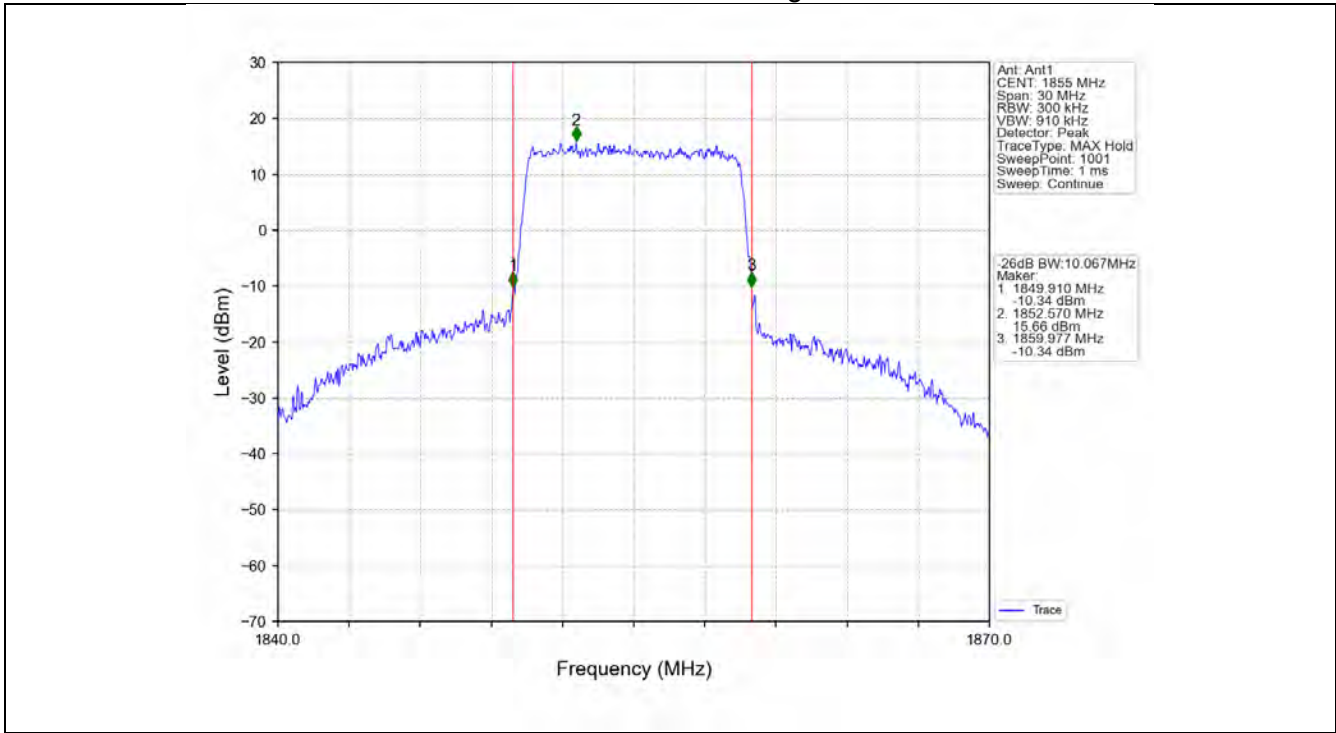
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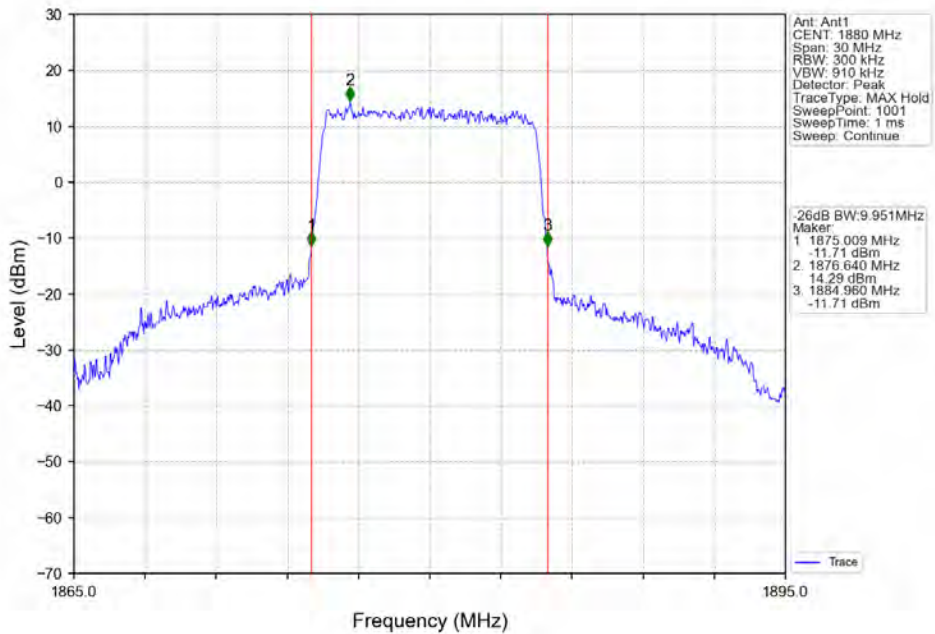


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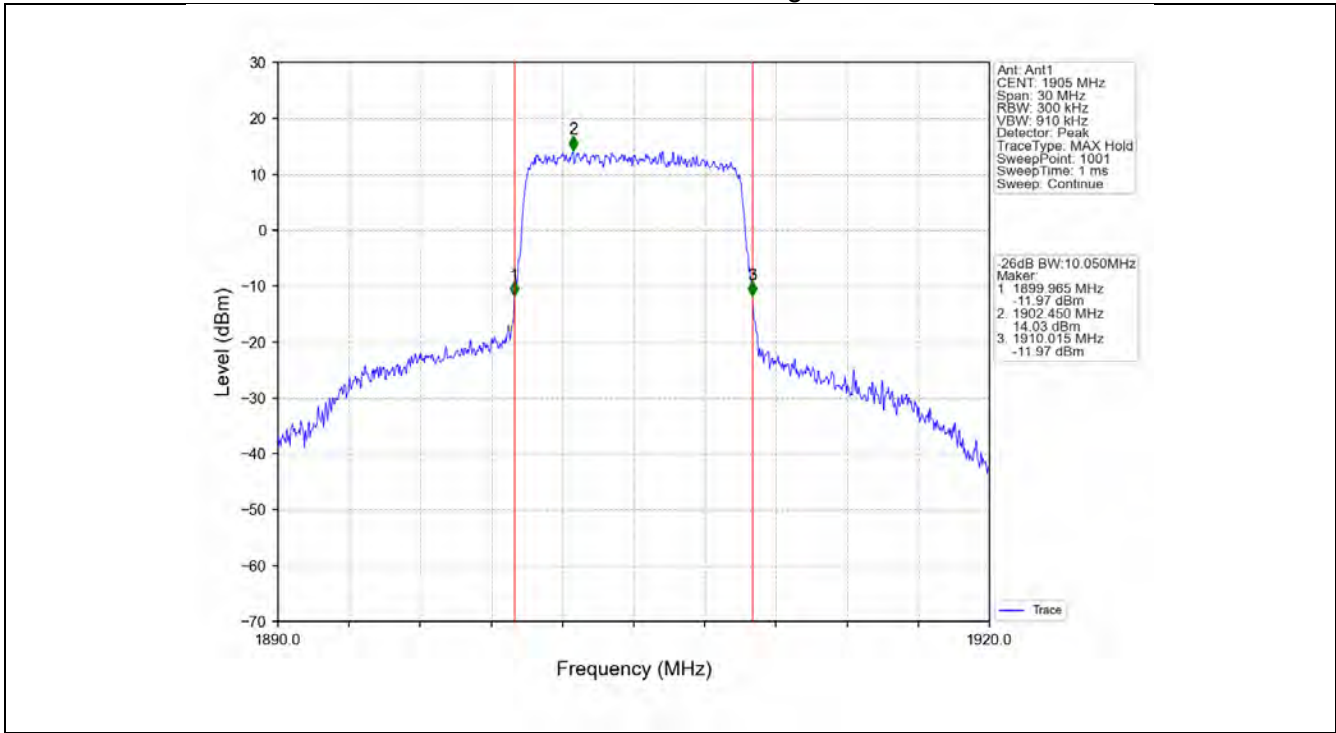
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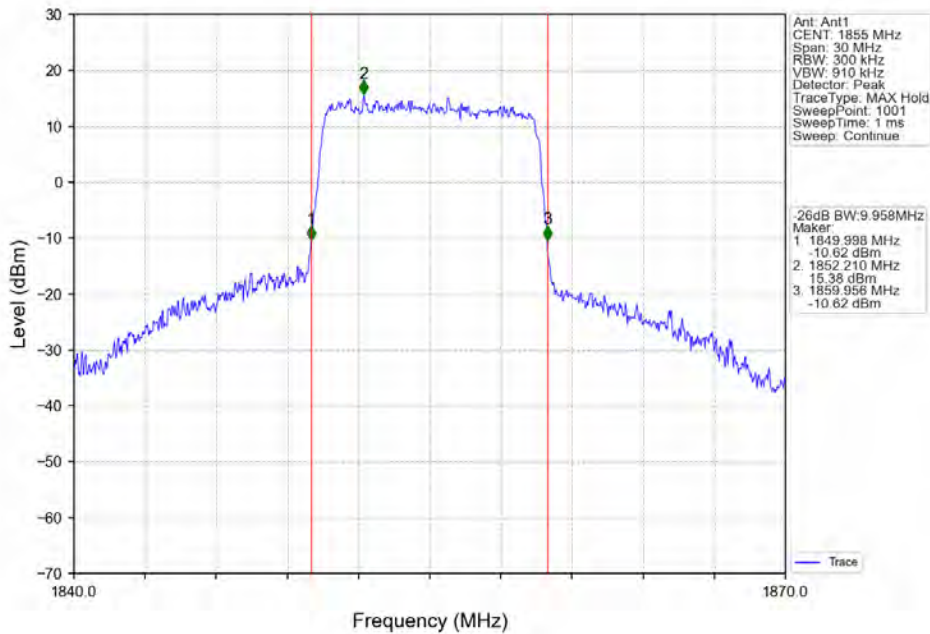
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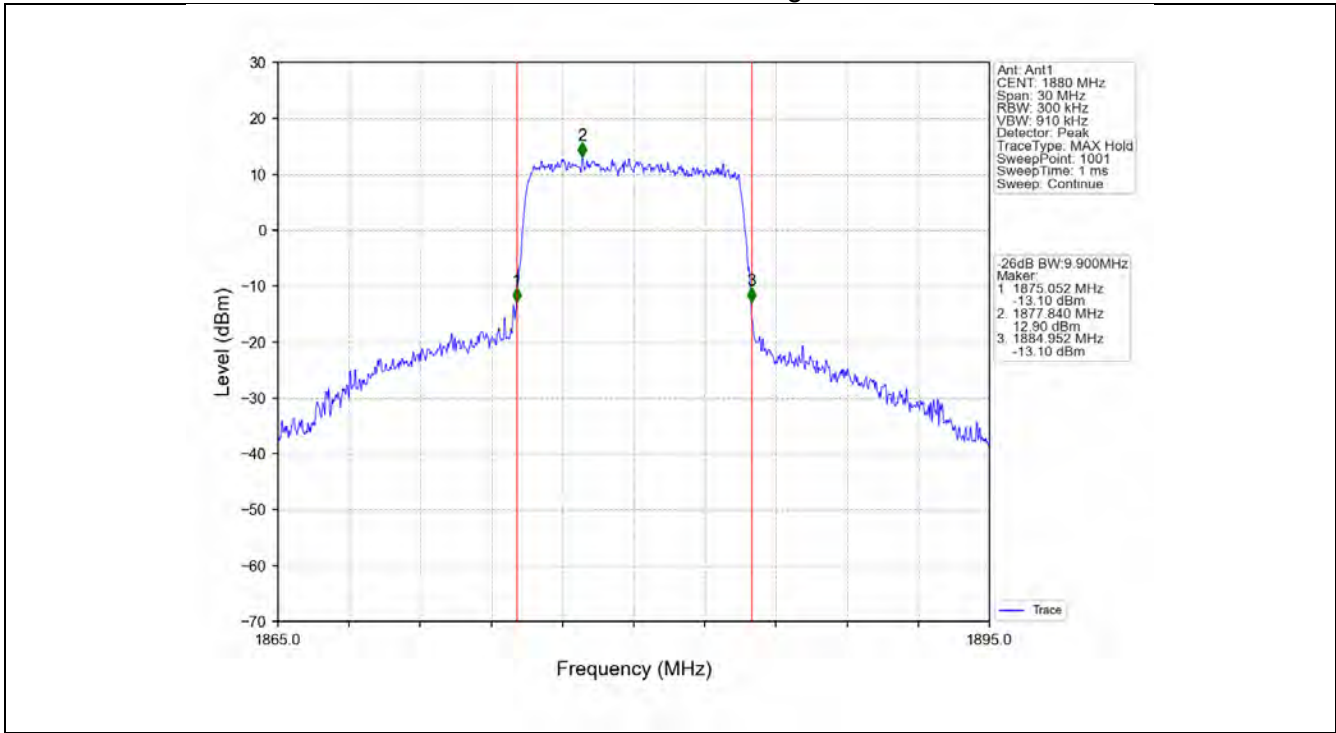
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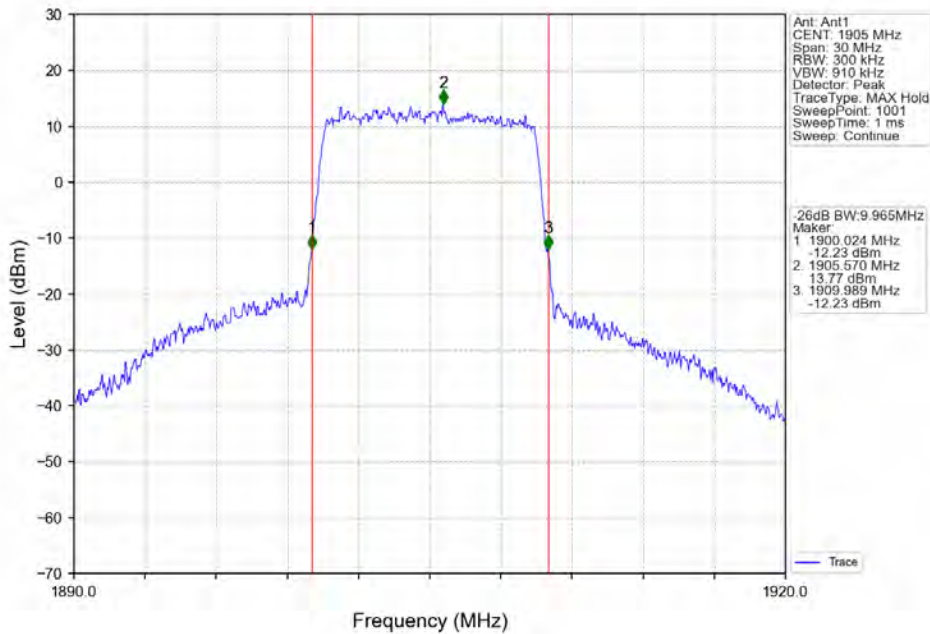


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Band2_10MHz_16QAM_HCH_1905MHz_RB_50_0_NTNV



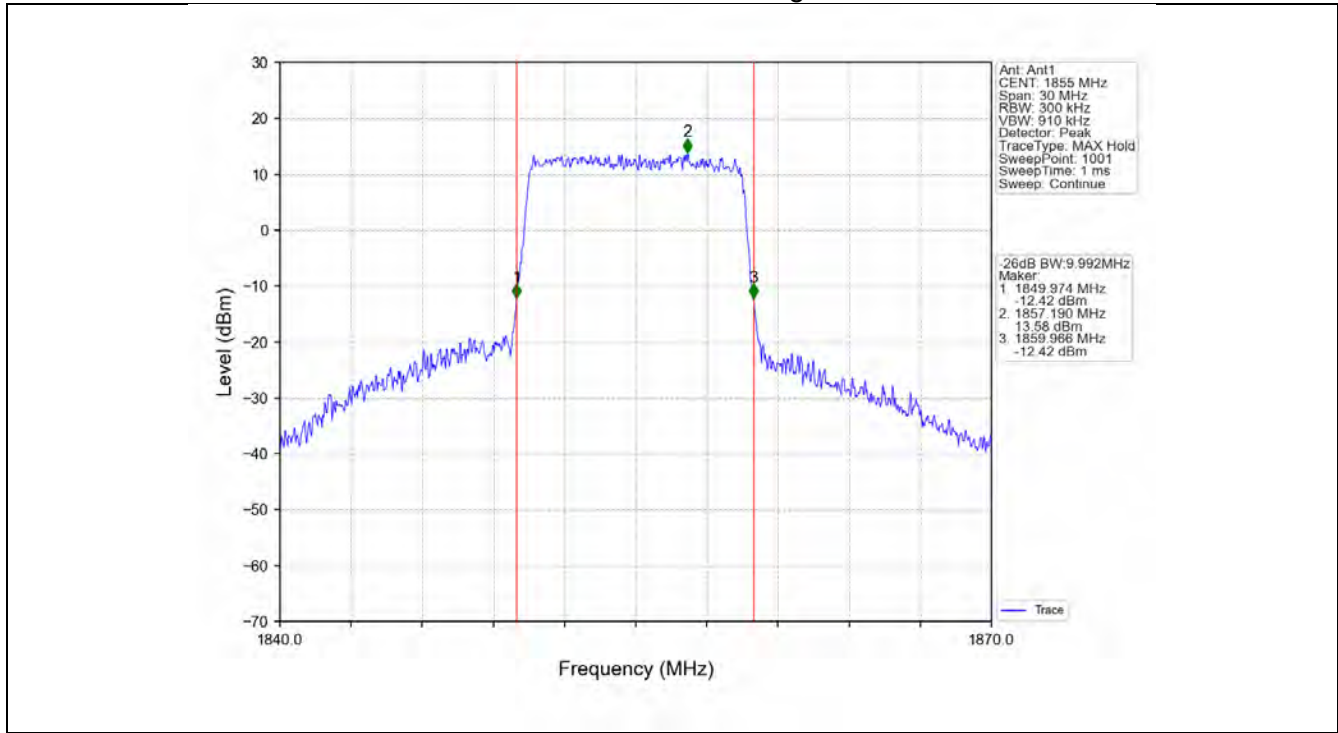
Band2_10MHz_64QAM_LCH_1855MHz_RB_50_0_NTNV



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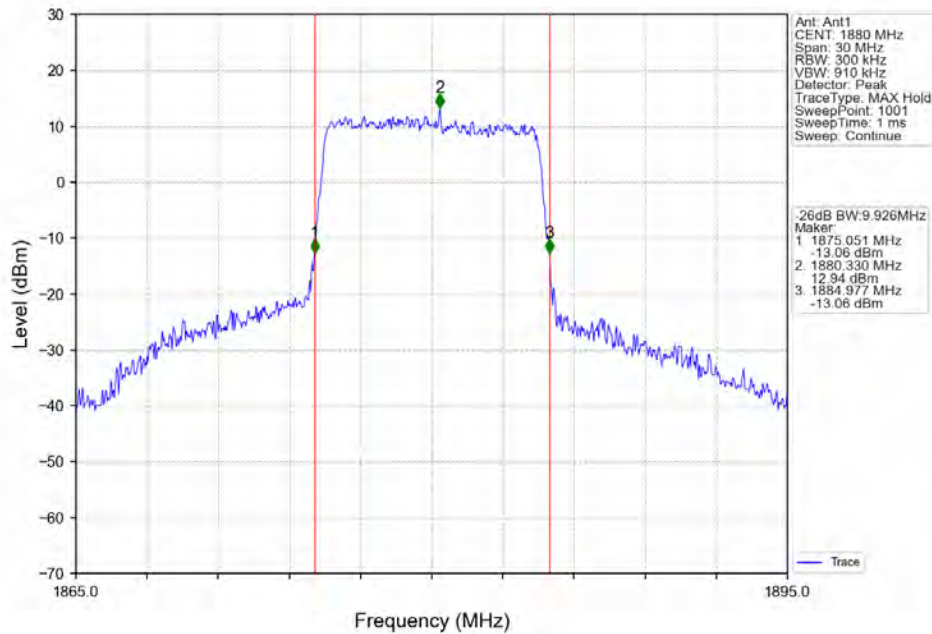


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Band2_10MHz_64QAM_MCH_1880MHz_RB_50_0_NTNV



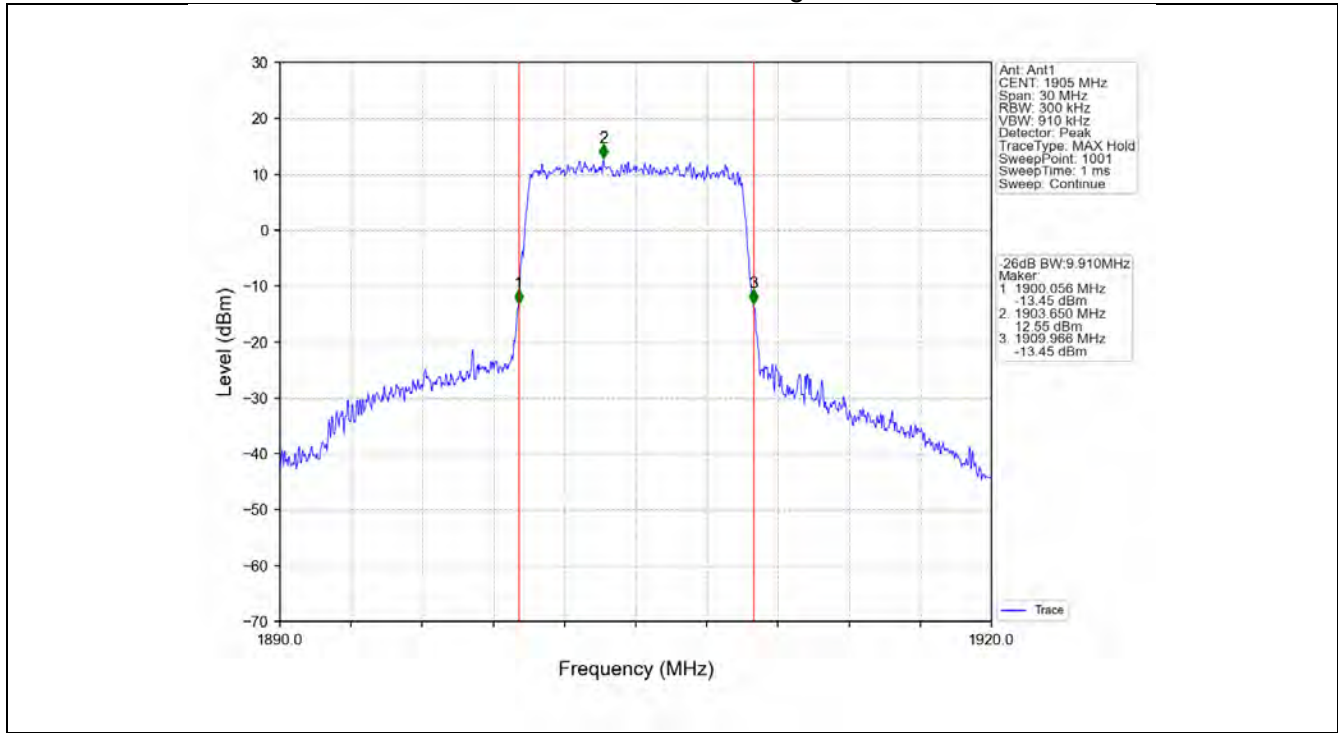
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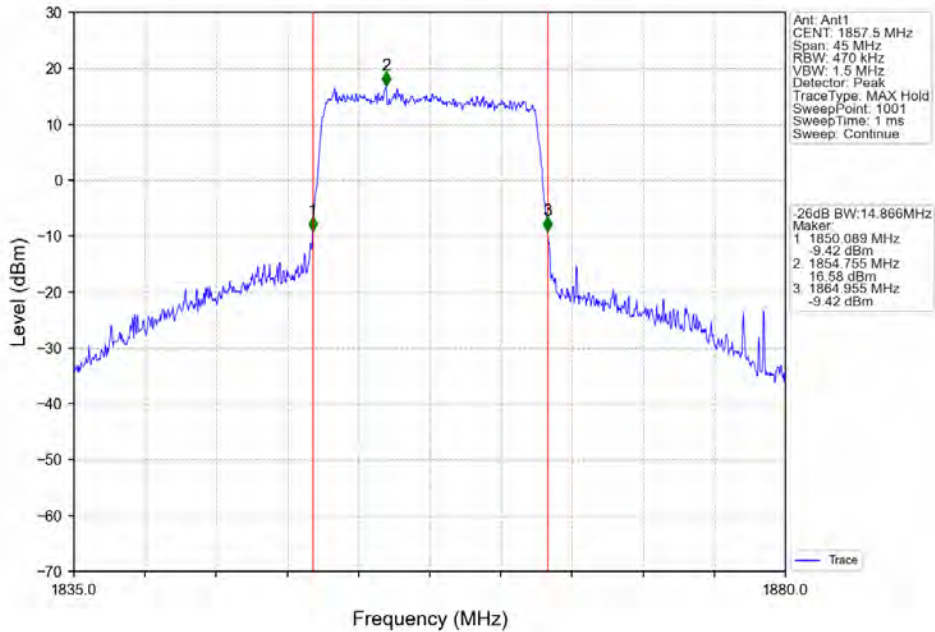


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Band2_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



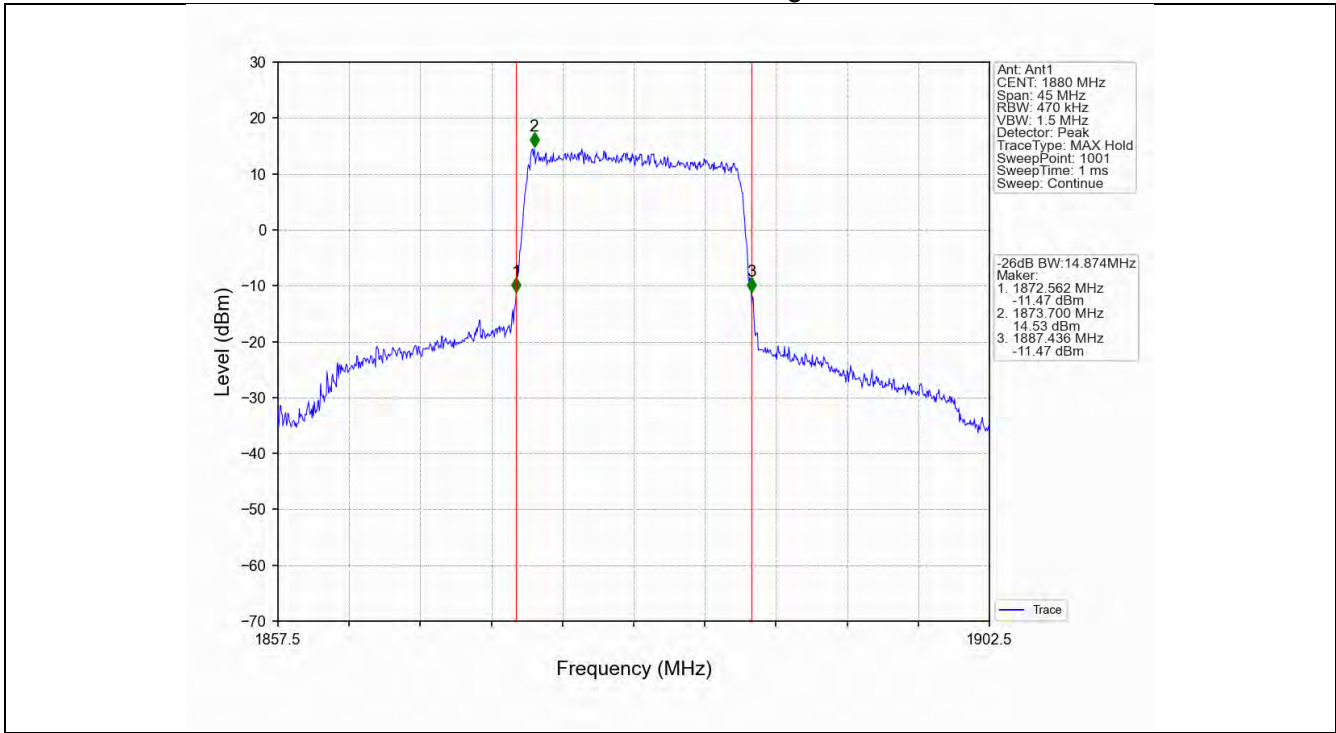
Band2_15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV



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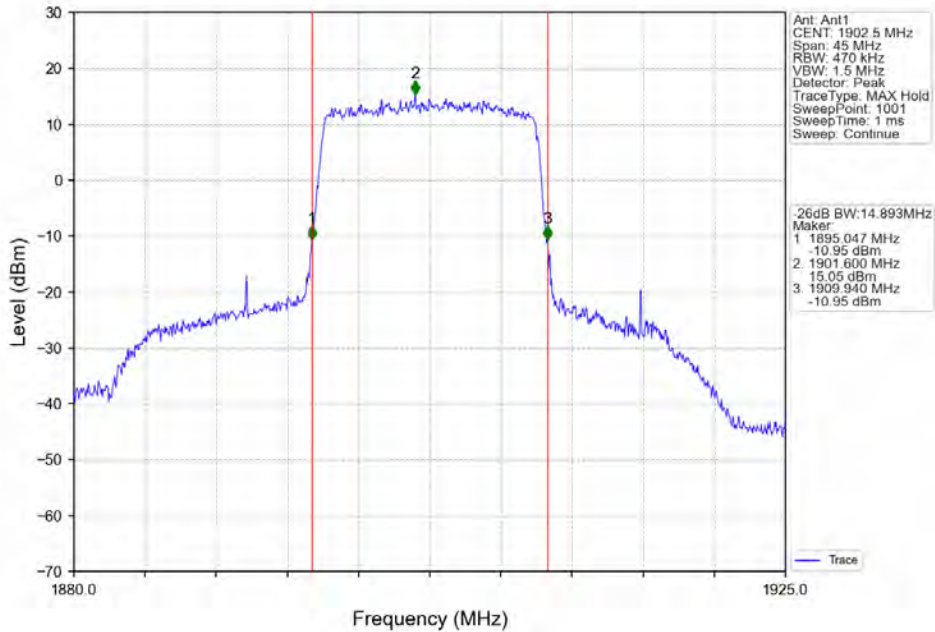


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Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



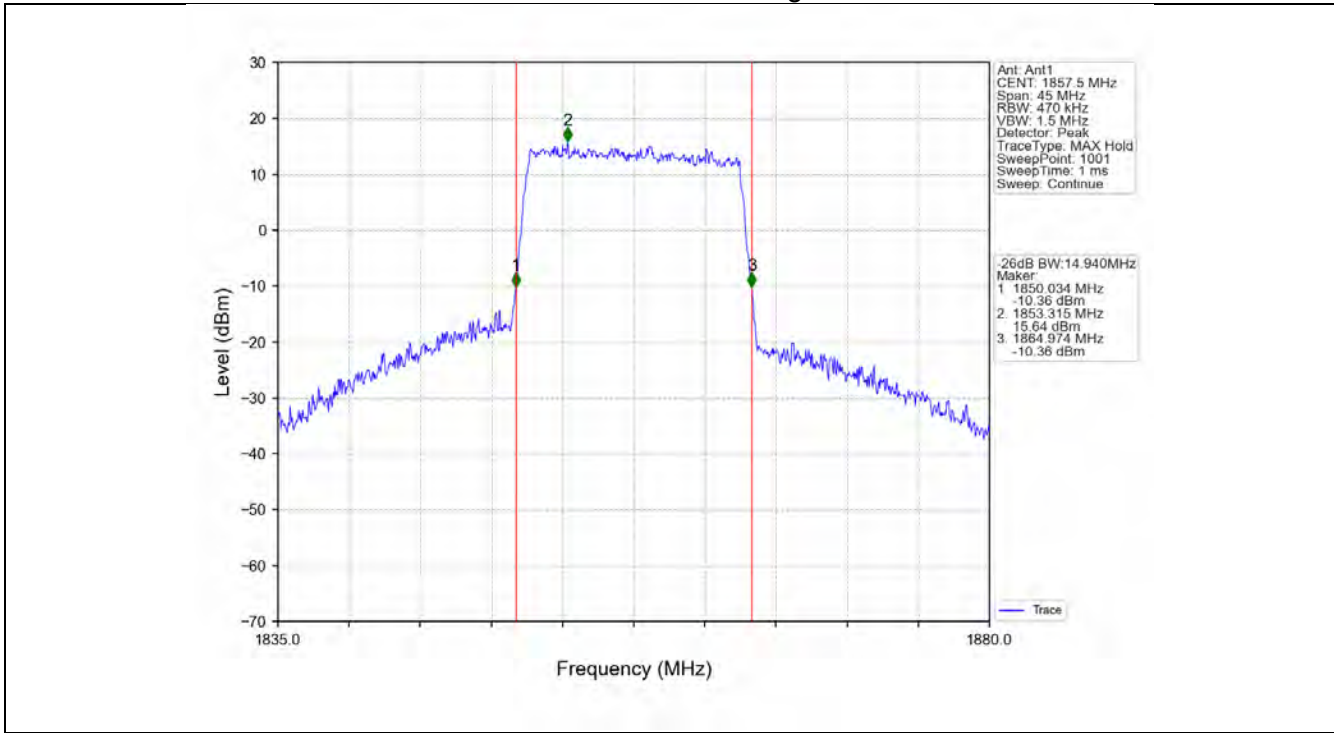
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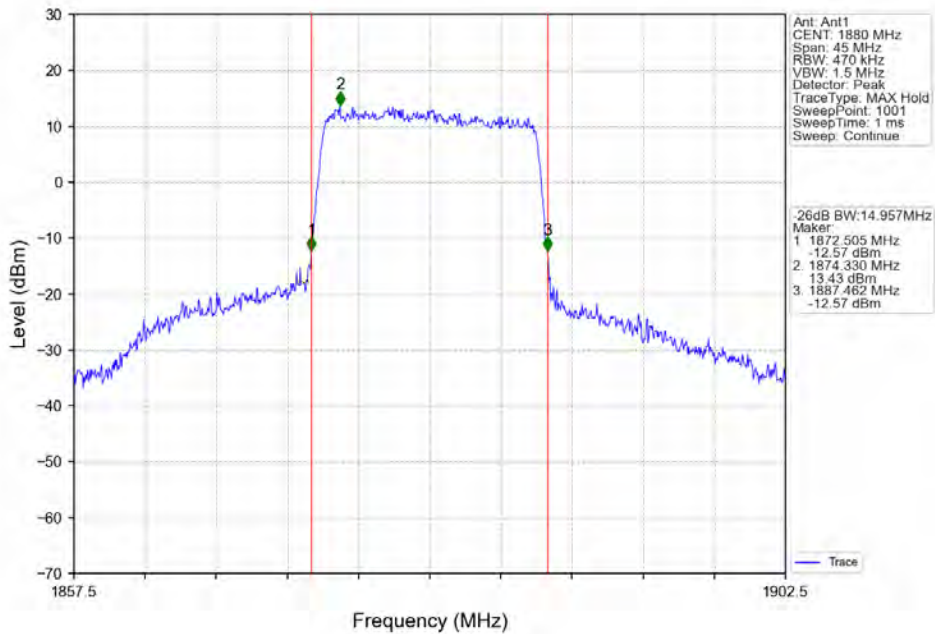


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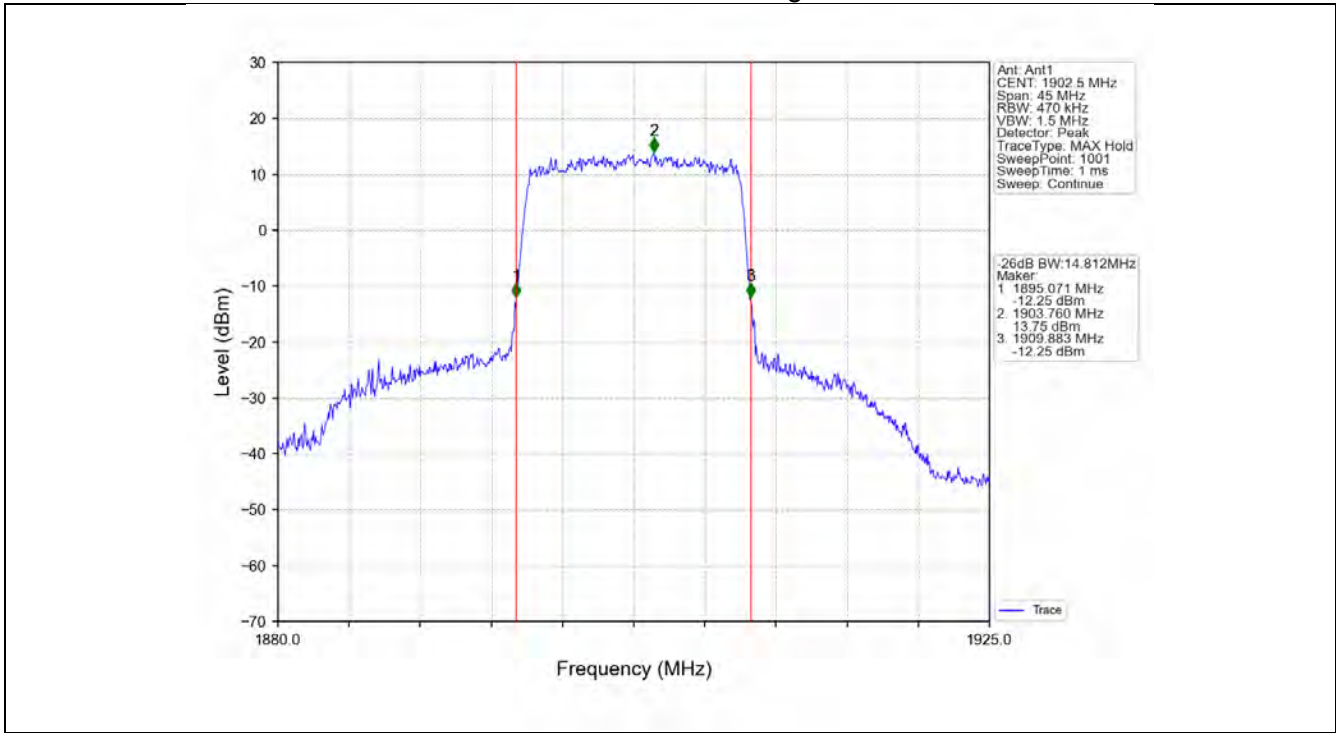
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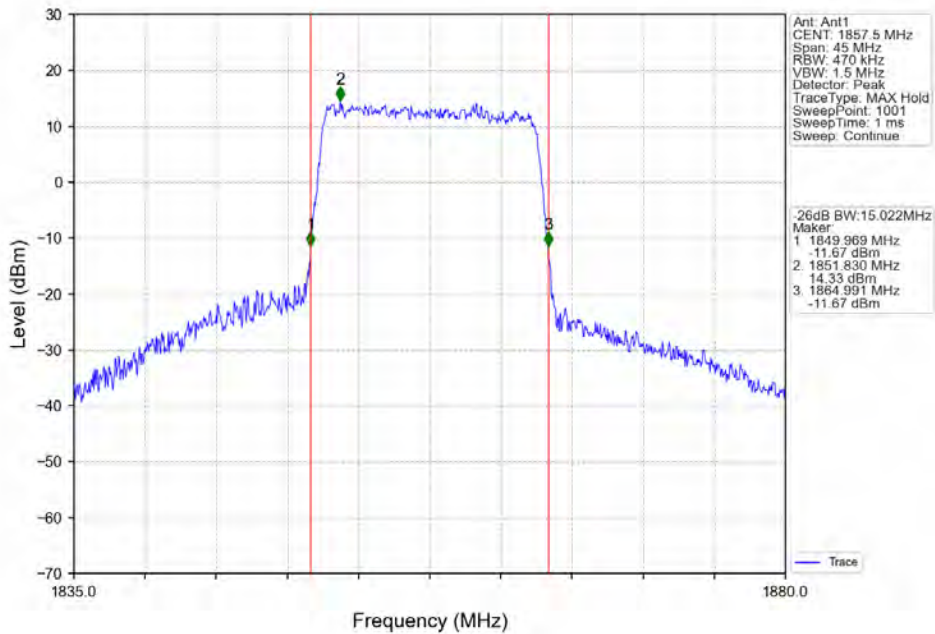


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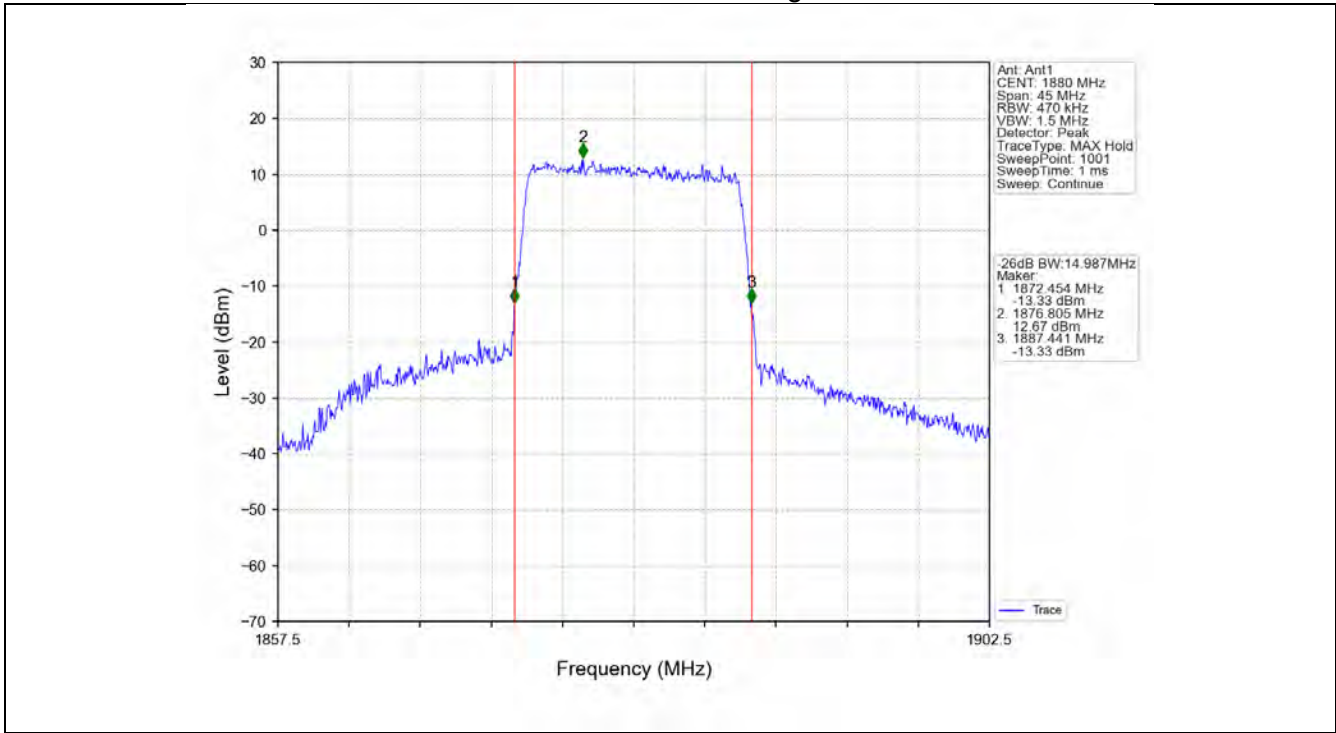
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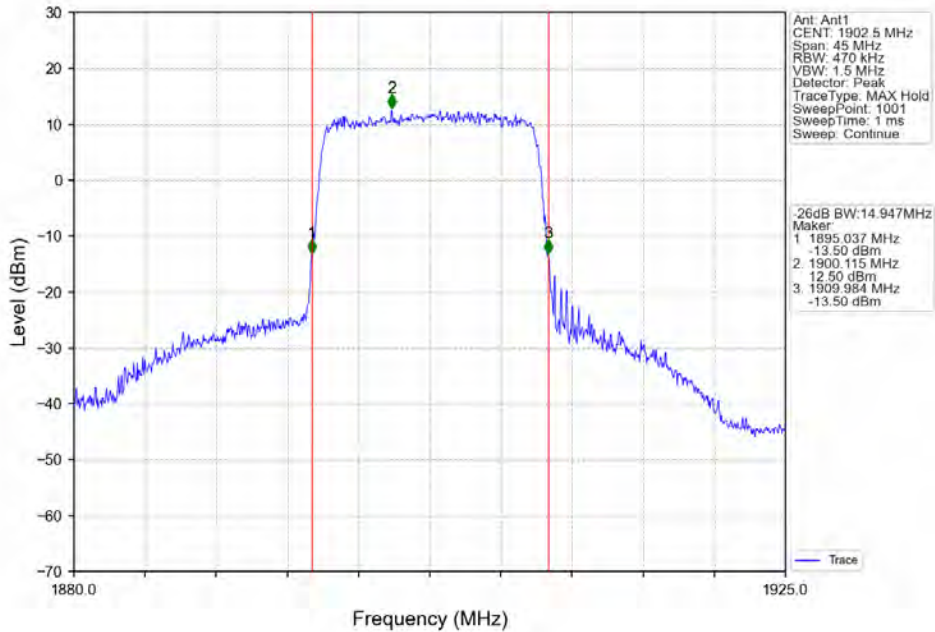


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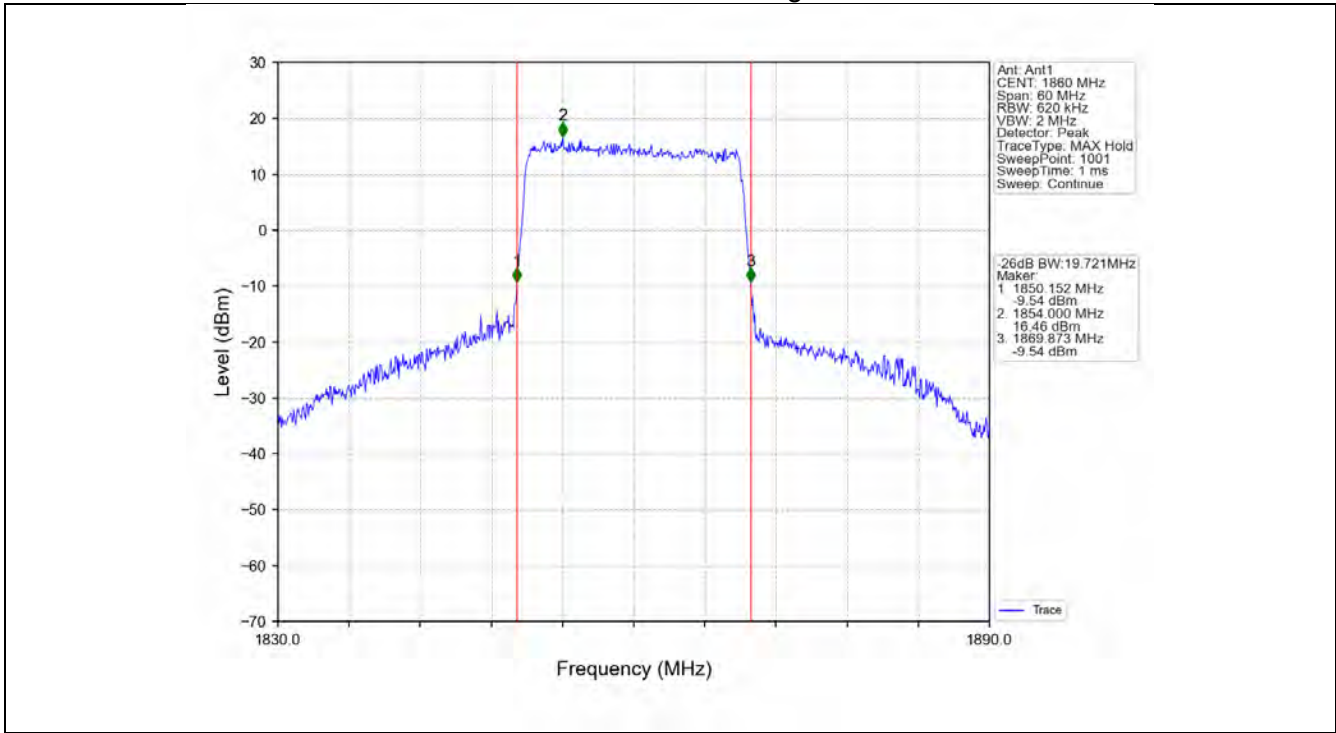
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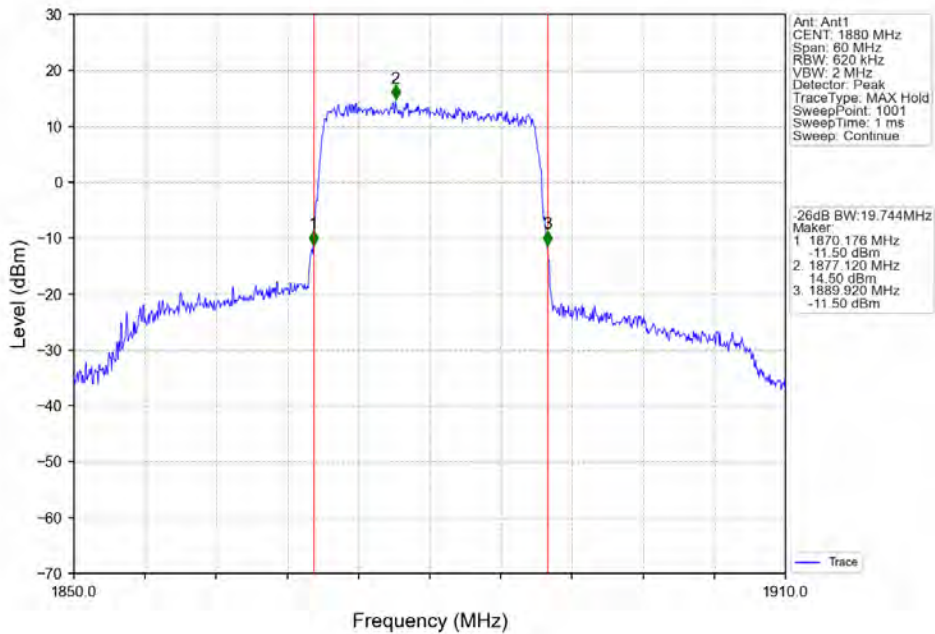
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Band2_20MHz_QPSK_MCH_1880MHz_RB_100_0_NTNV



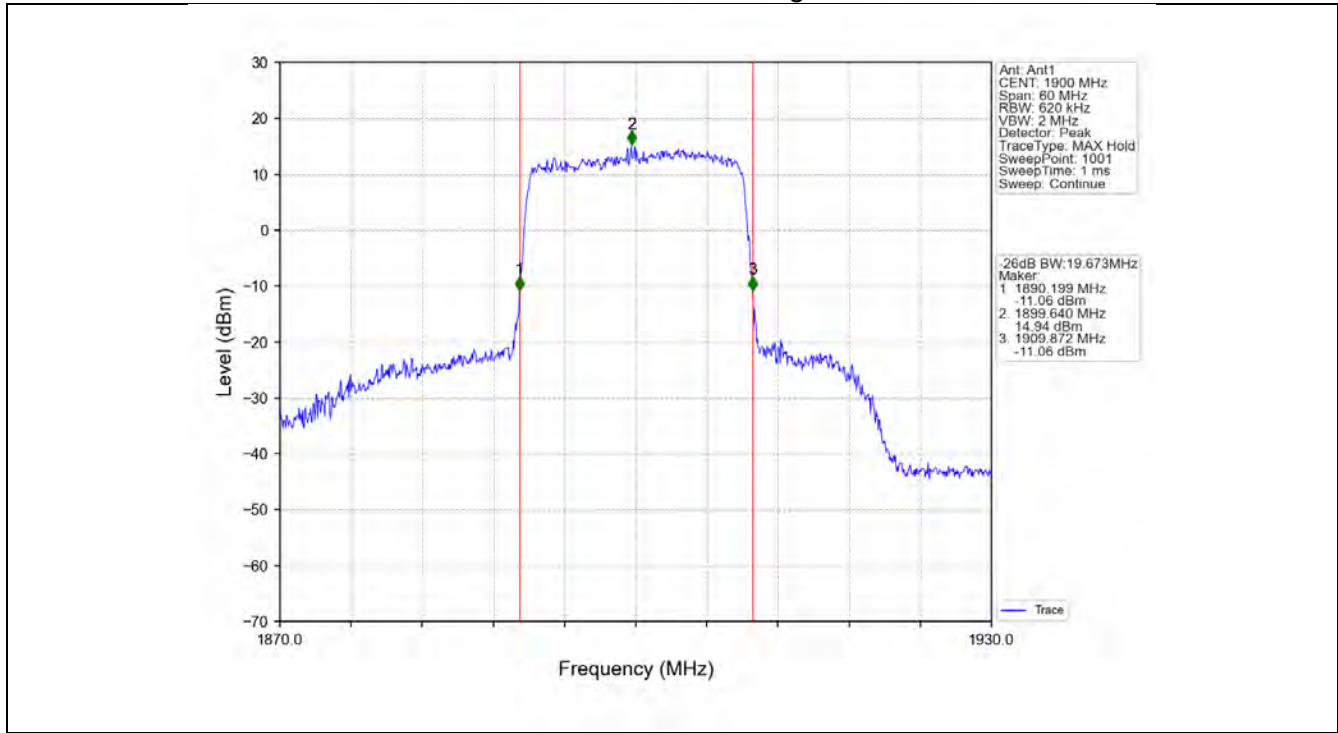
Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV



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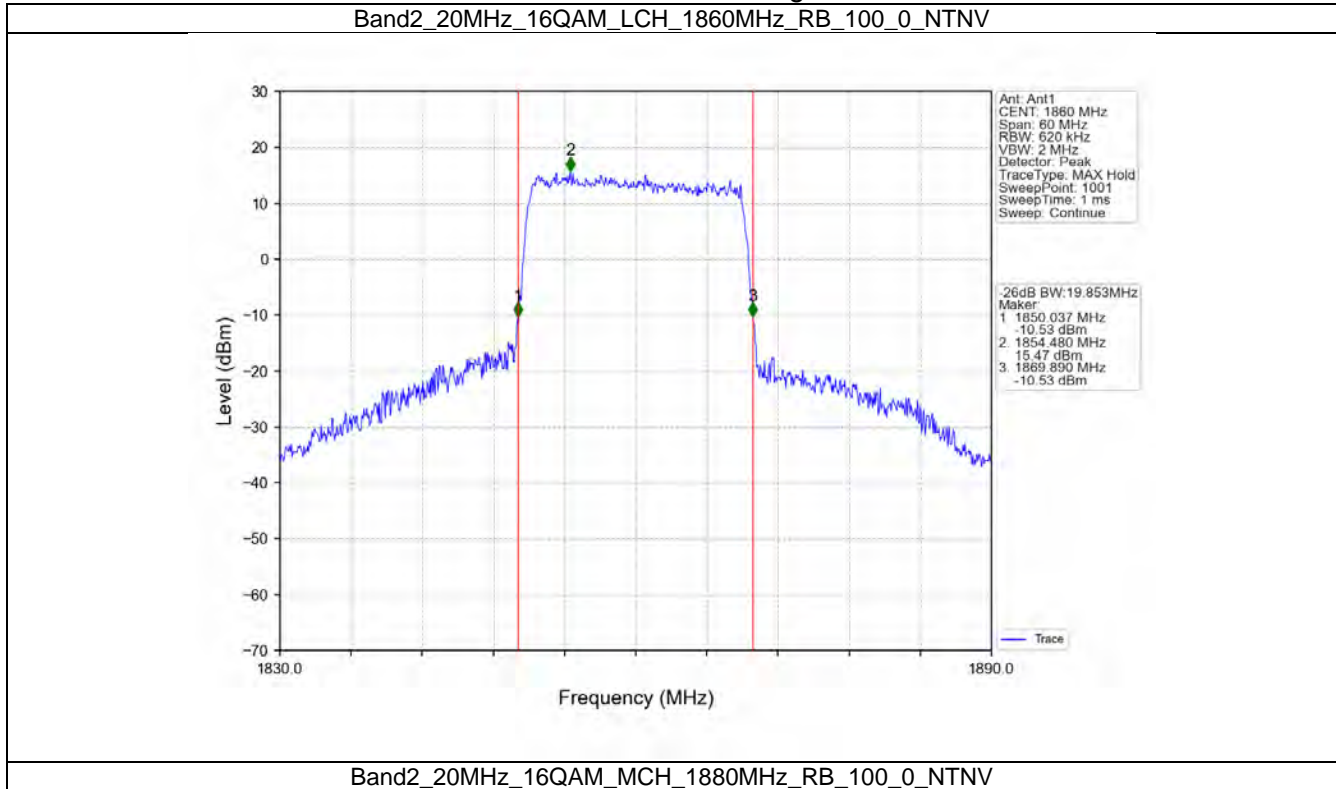
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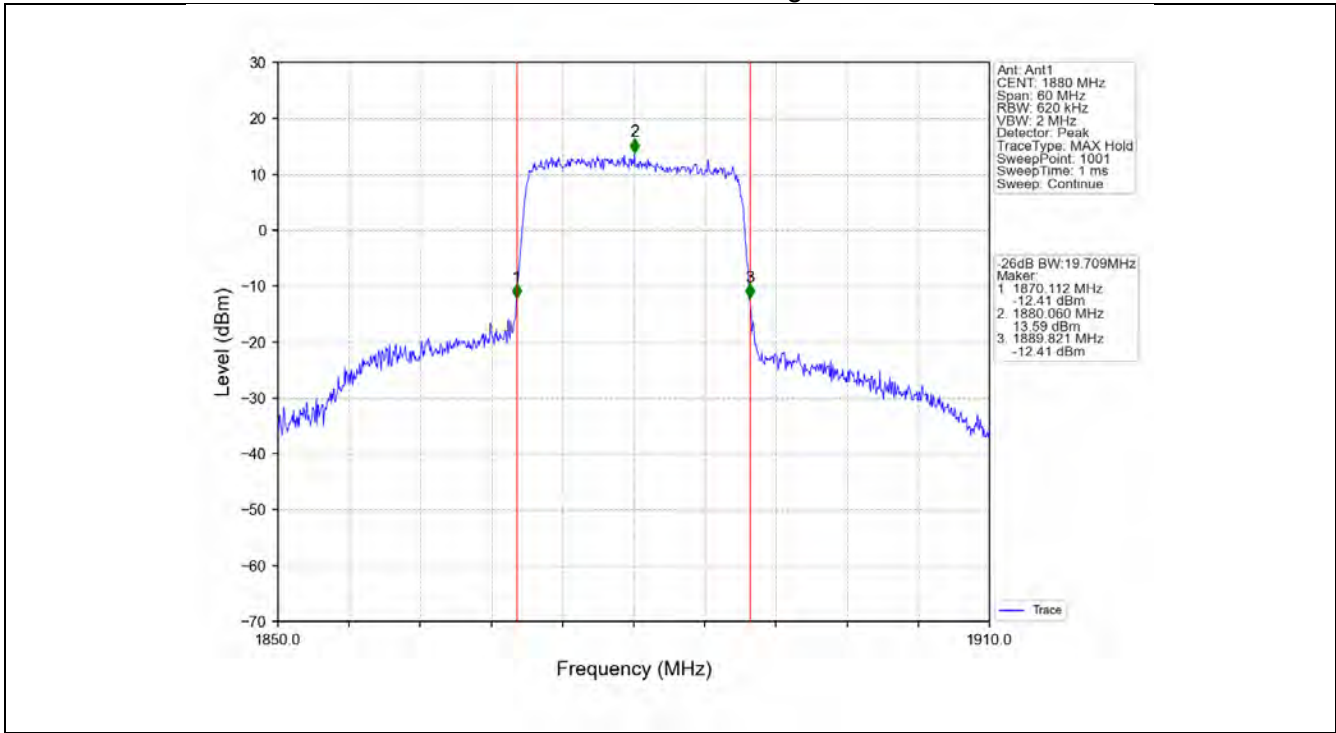
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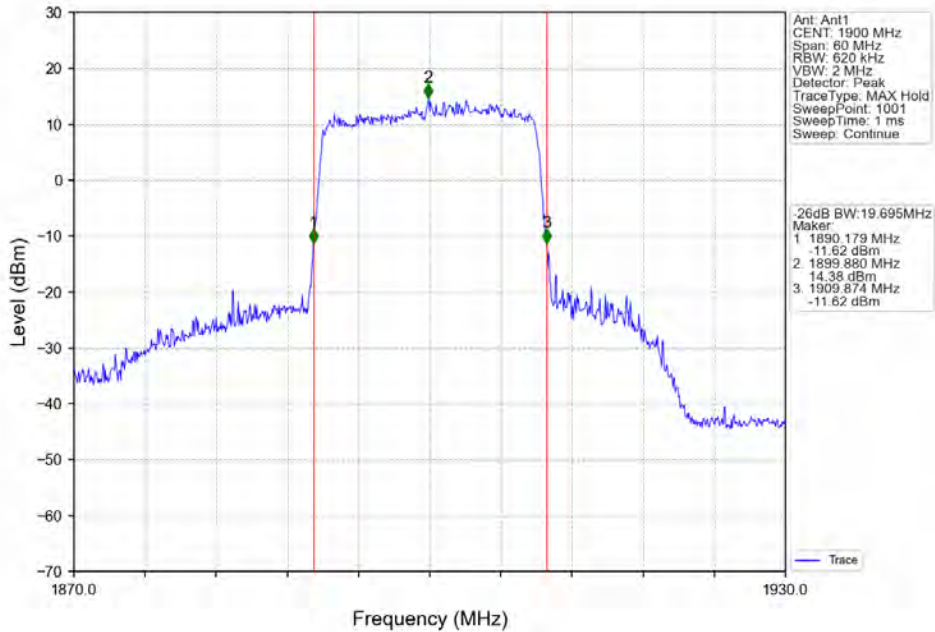


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Band2_20MHz_16QAM_HCH_1900MHz_RB_100_0_NTNV



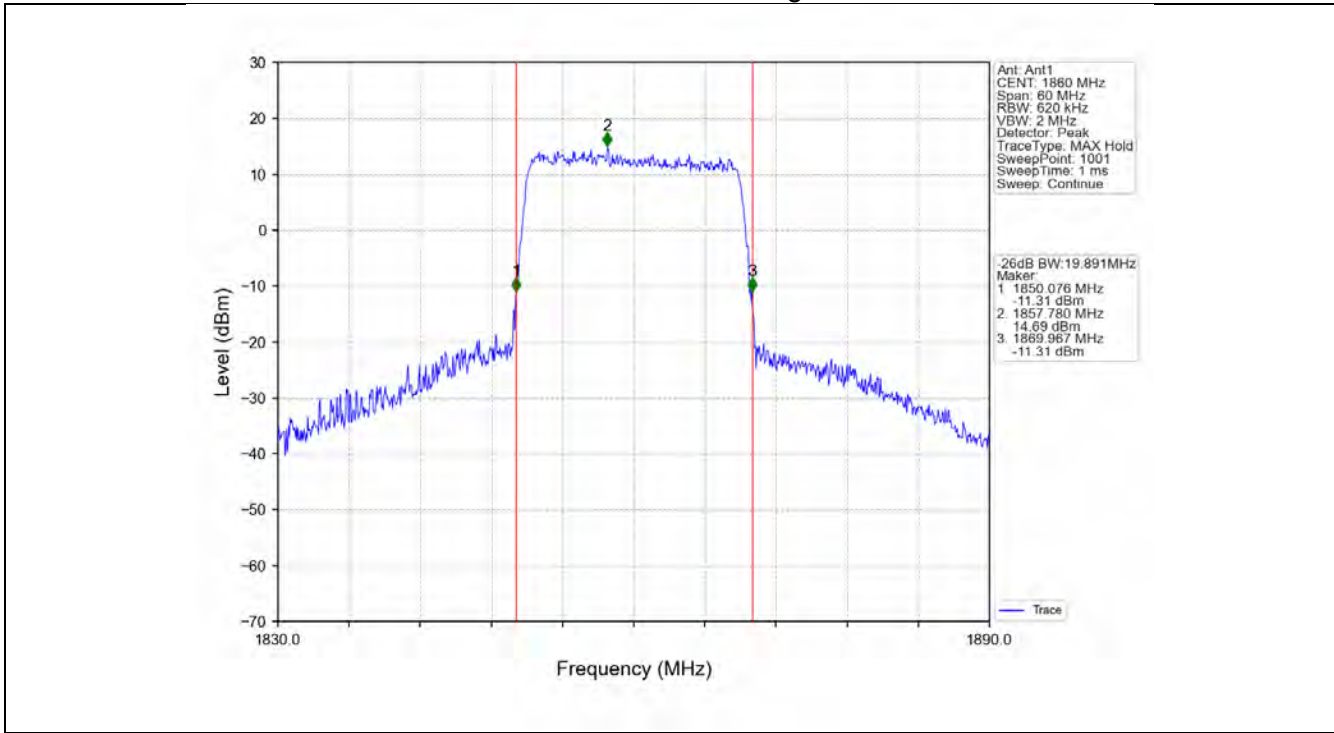
Band2_20MHz_64QAM_LCH_1860MHz_RB_100_0_NTNV



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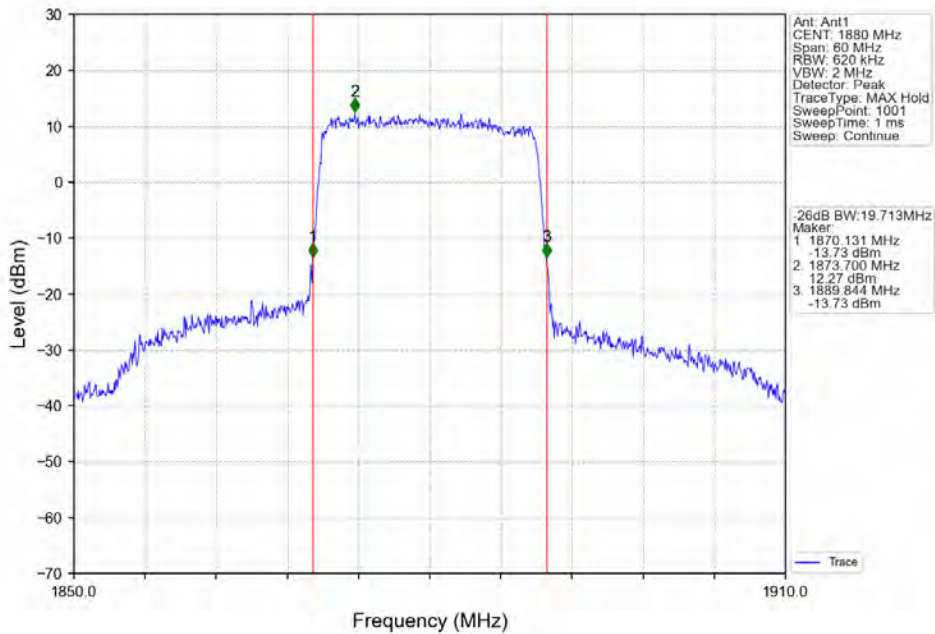


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Band2_20MHz_64QAM_MCH_1880MHz_RB_100_0_NTNV



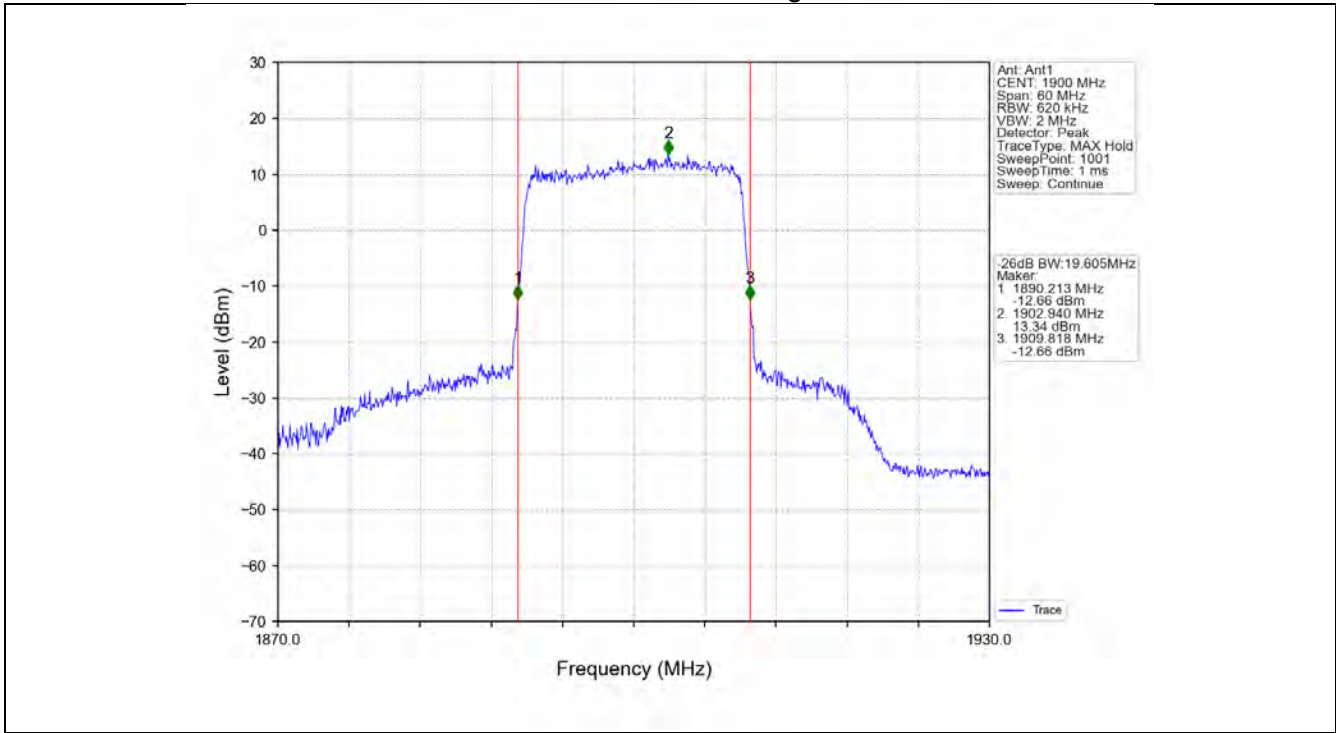
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4. Peak-Average Ratio

4.1 B2_1.4MHz

4.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	6	0	4.25	<=13	Pass
	1880	6	0	4.53	<=13	Pass
	1909.3	6	0	5.06	<=13	Pass
16QAM	1850.7	6	0	5.08	<=13	Pass
	1880	6	0	5.34	<=13	Pass
	1909.3	6	0	5.82	<=13	Pass
64QAM	1850.7	6	0	5.46	<=13	Pass
	1880	6	0	5.94	<=13	Pass
	1909.3	6	0	6.23	<=13	Pass

4.2 B2_3MHz

4.2.1 Test Result

Band: 2 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	15	0	4.38	<=13	Pass
	1880	15	0	4.64	<=13	Pass
	1908.5	15	0	5.07	<=13	Pass
16QAM	1851.5	15	0	5.21	<=13	Pass
	1880	15	0	5.43	<=13	Pass
	1908.5	15	0	5.86	<=13	Pass
64QAM	1851.5	15	0	5.70	<=13	Pass
	1880	15	0	5.93	<=13	Pass
	1908.5	15	0	6.19	<=13	Pass



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4.3 B2_5MHz

4.3.1 Test Result

Band: 2 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	25	0	4.75	<=13	Pass
	1880	25	0	4.92	<=13	Pass
	1907.5	25	0	5.16	<=13	Pass
16QAM	1852.5	25	0	5.43	<=13	Pass
	1880	25	0	5.62	<=13	Pass
	1907.5	25	0	5.88	<=13	Pass
64QAM	1852.5	25	0	5.86	<=13	Pass
	1880	25	0	5.98	<=13	Pass
	1907.5	25	0	6.20	<=13	Pass

4.4 B2_10MHz

4.4.1 Test Result

Band: 2 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	50	0	4.87	<=13	Pass
	1880	50	0	4.98	<=13	Pass
	1905	50	0	5.08	<=13	Pass
16QAM	1855	50	0	5.61	<=13	Pass
	1880	50	0	5.72	<=13	Pass
	1905	50	0	5.84	<=13	Pass
64QAM	1855	50	0	6.01	<=13	Pass
	1880	50	0	6.08	<=13	Pass
	1905	50	0	6.13	<=13	Pass



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4.5 B2_15MHz

4.5.1 Test Result

Band: 2 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	75	0	5.10	<=13	Pass
	1880	75	0	5.09	<=13	Pass
	1902.5	75	0	5.24	<=13	Pass
16QAM	1857.5	75	0	5.73	<=13	Pass
	1880	75	0	5.71	<=13	Pass
	1902.5	75	0	5.79	<=13	Pass
64QAM	1857.5	75	0	6.09	<=13	Pass
	1880	75	0	6.02	<=13	Pass
	1902.5	75	0	6.09	<=13	Pass

4.6 B2_20MHz

4.6.1 Test Result

Band: 2 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	100	0	5.16	<=13	Pass
	1880	100	0	5.07	<=13	Pass
	1900	100	0	5.15	<=13	Pass
16QAM	1860	100	0	5.91	<=13	Pass
	1880	100	0	5.81	<=13	Pass
	1900	100	0	5.90	<=13	Pass
64QAM	1860	100	0	6.29	<=13	Pass
	1880	100	0	6.15	<=13	Pass
	1900	100	0	6.20	<=13	Pass



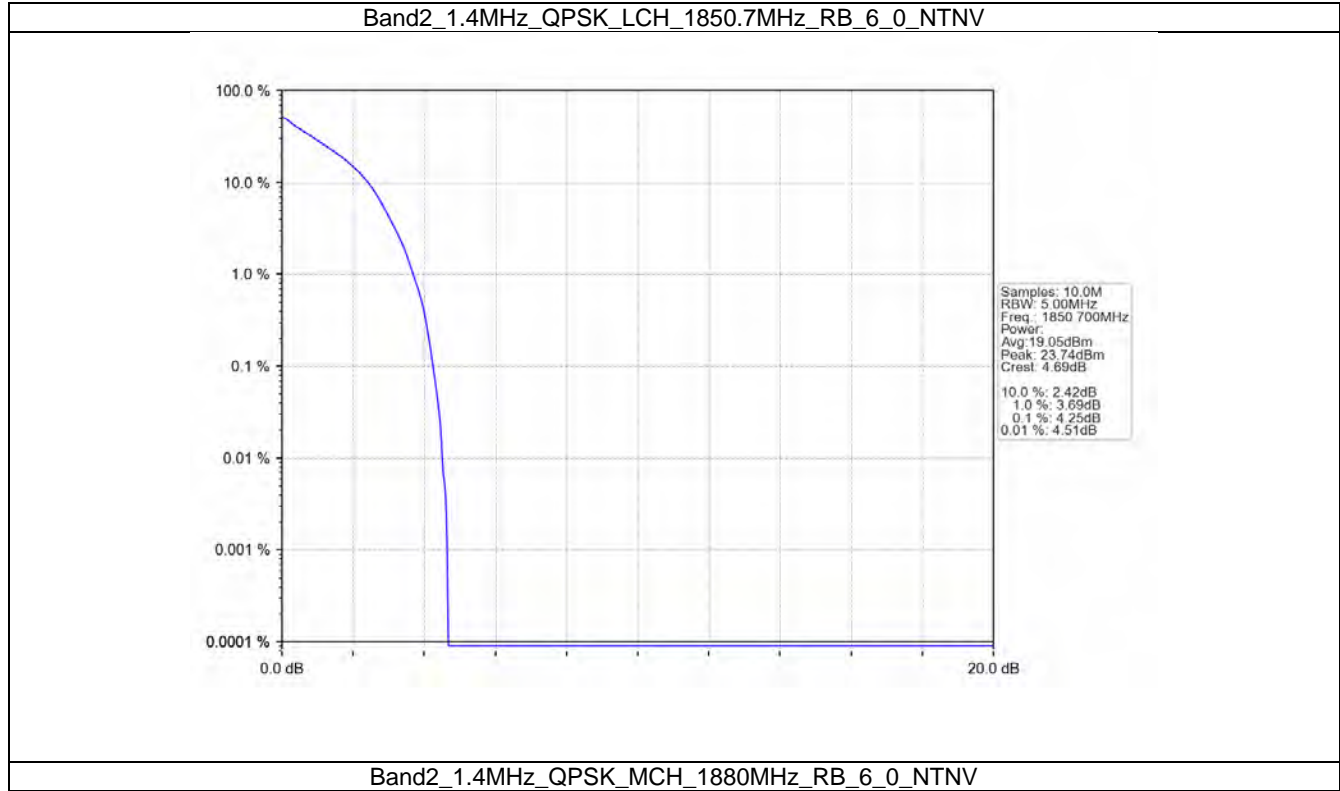
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4.1 B2_1.4MHz

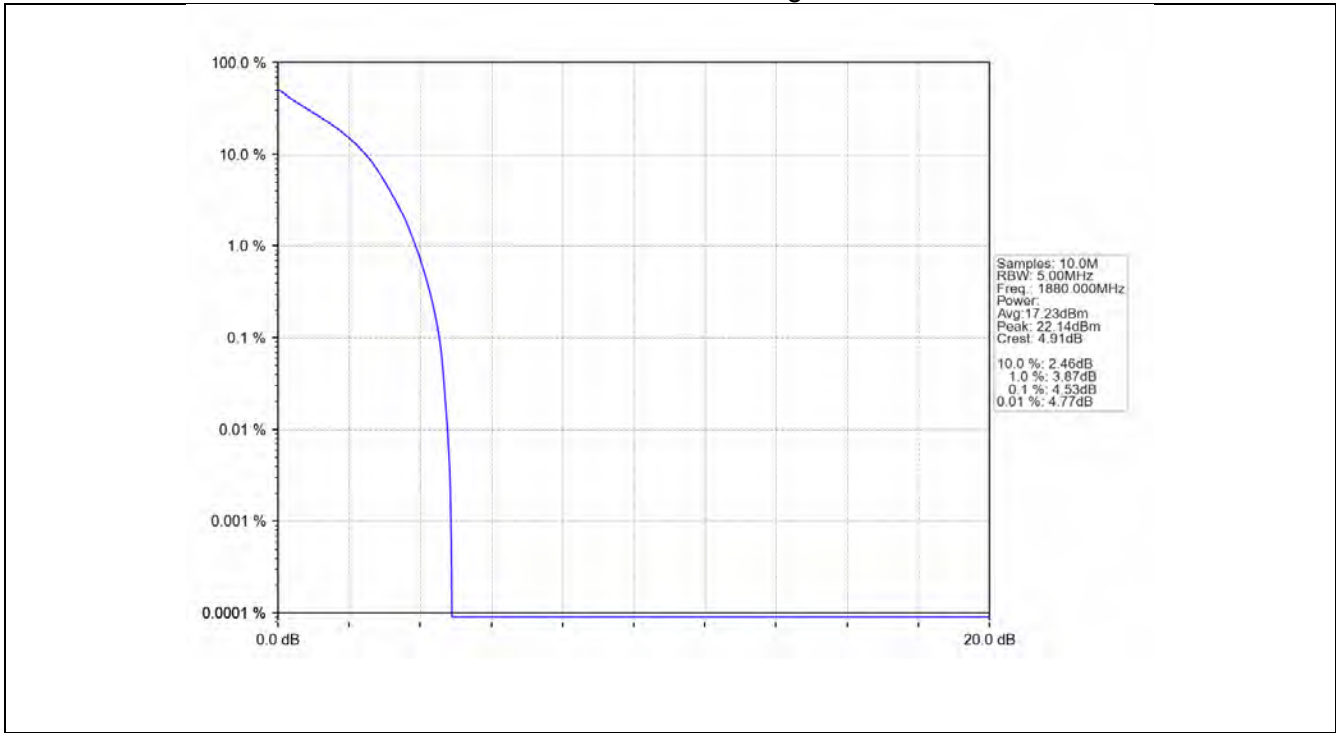
4.1.2 Test Graph



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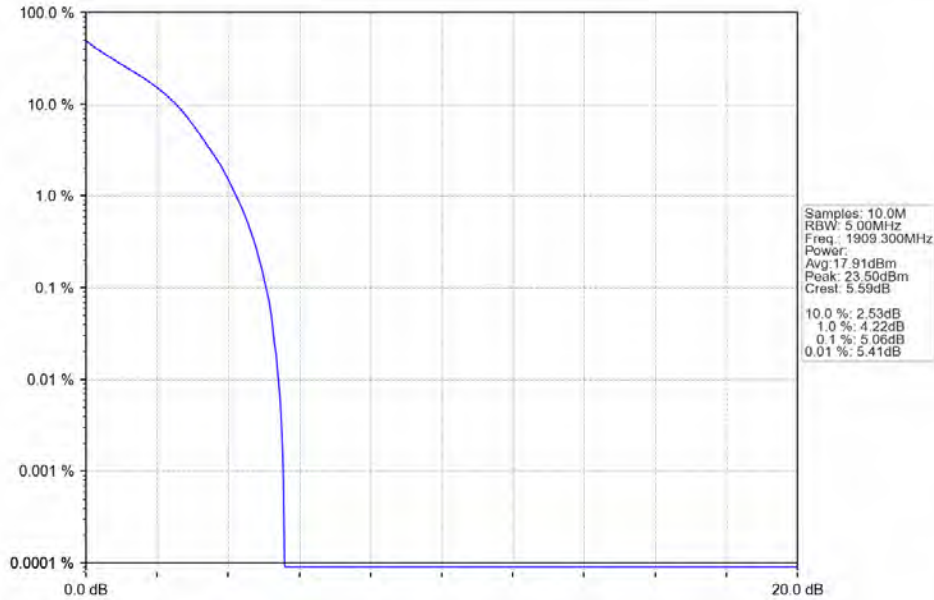


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Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



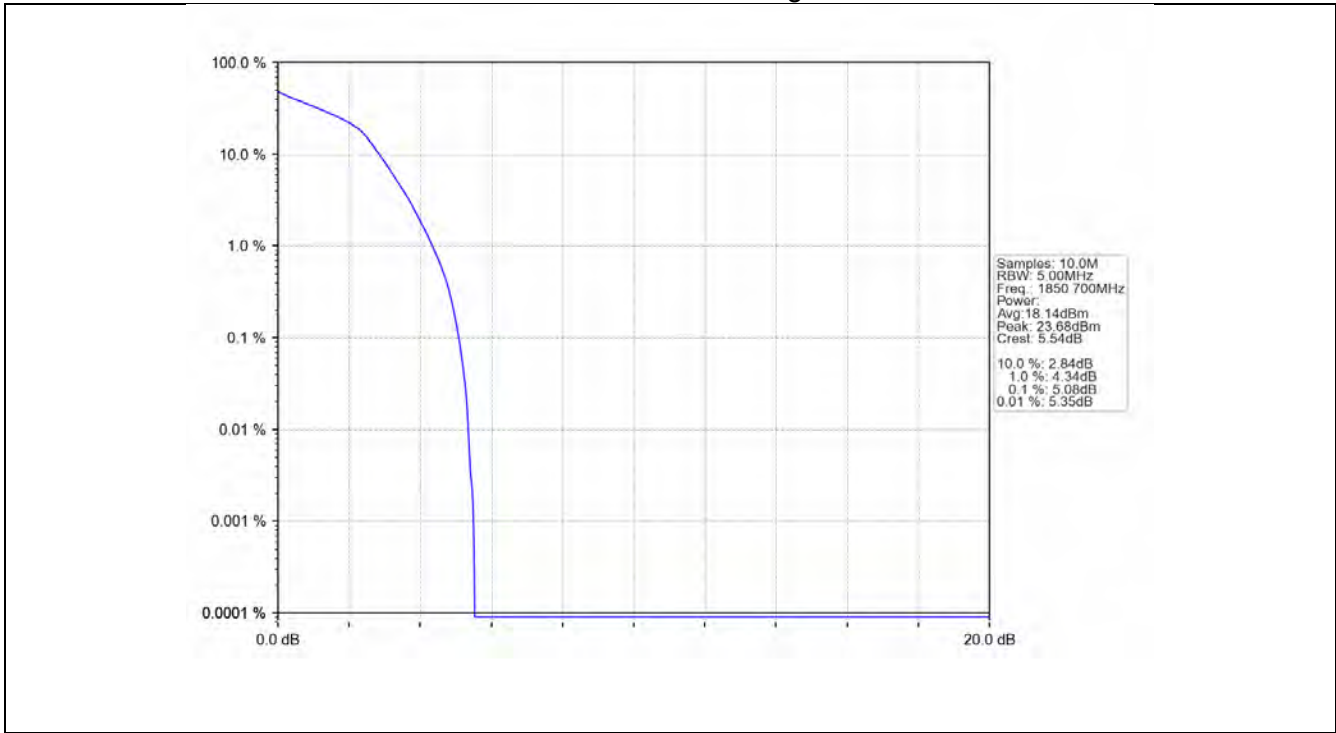
Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



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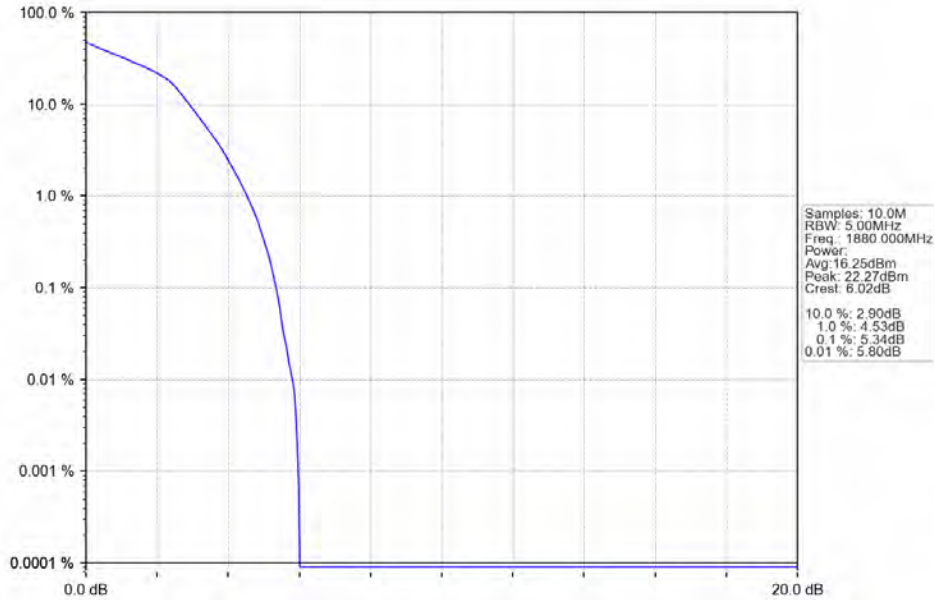
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Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV



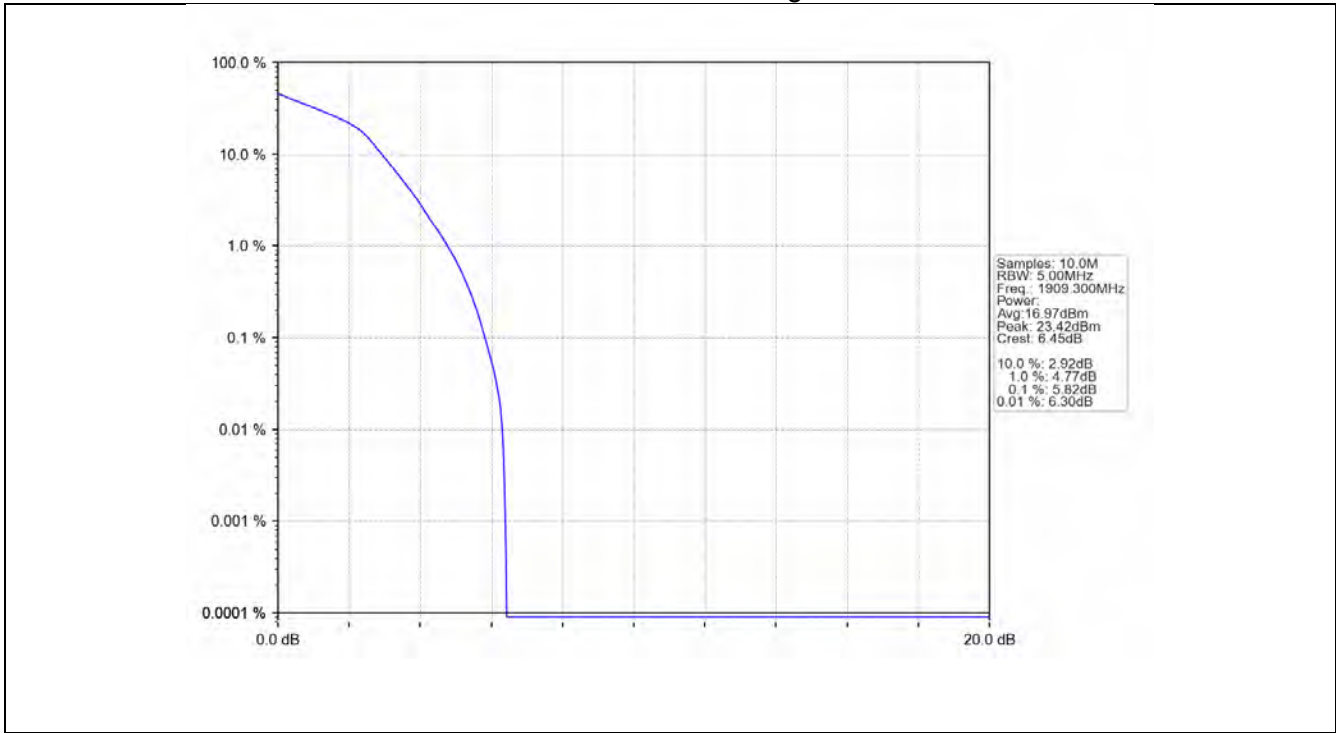
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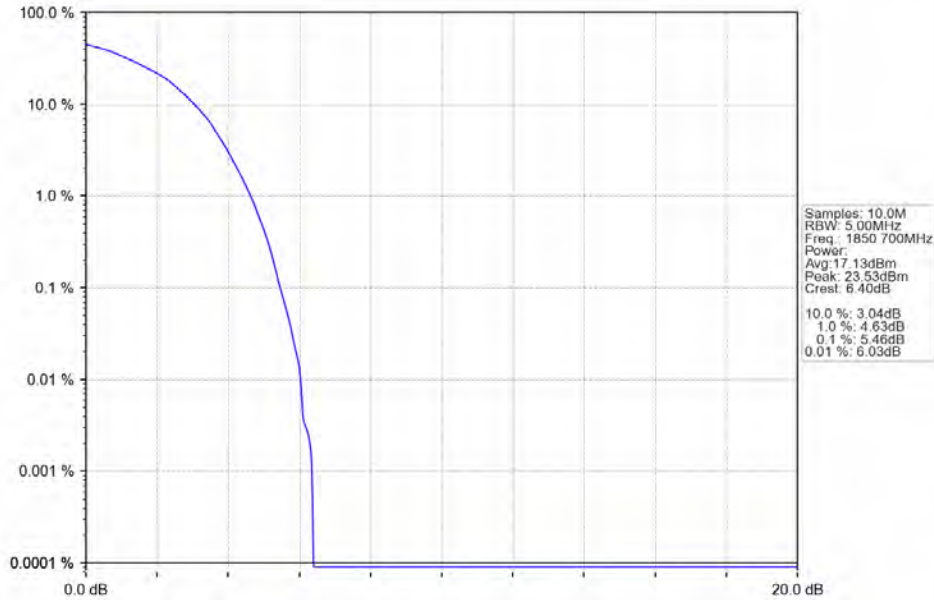


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Band2_1.4MHz_64QAM_LCH_1850.7MHz_RB_6_0_NTNV



Band2_1.4MHz_64QAM_MCH_1880MHz_RB_6_0_NTNV



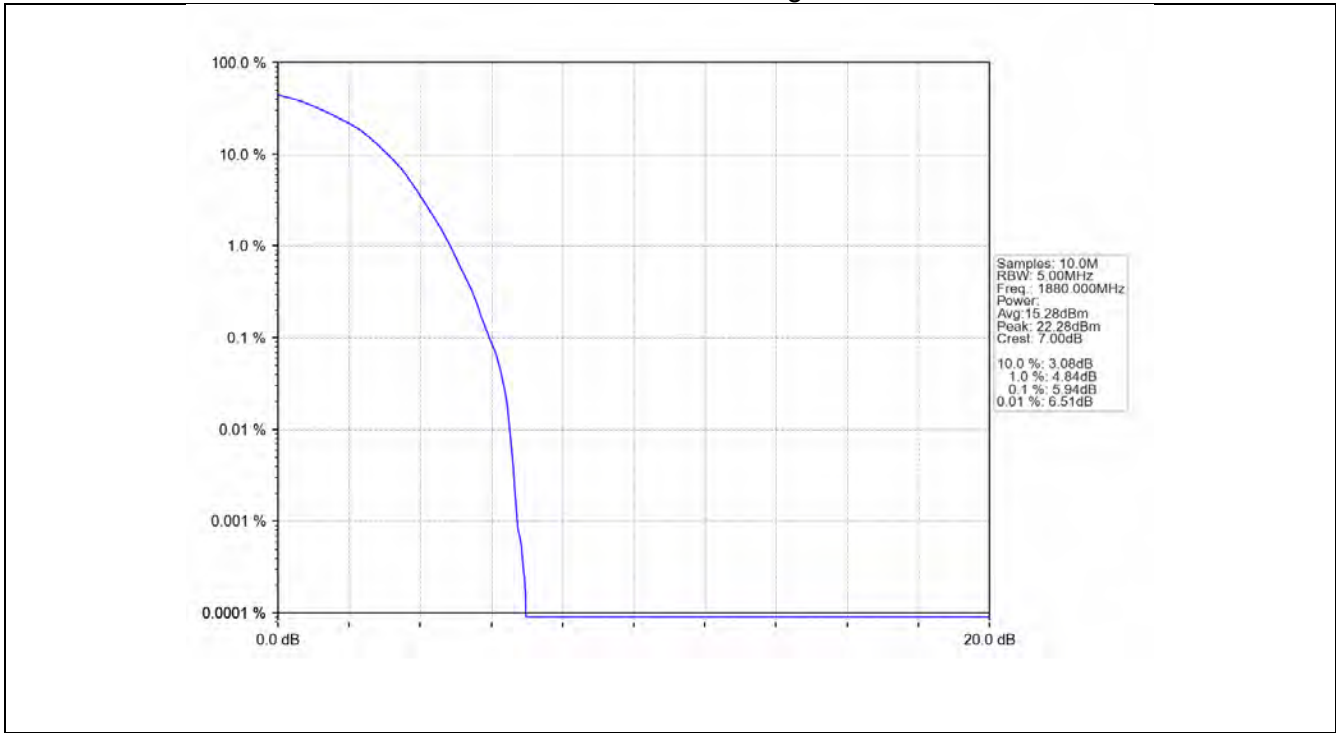
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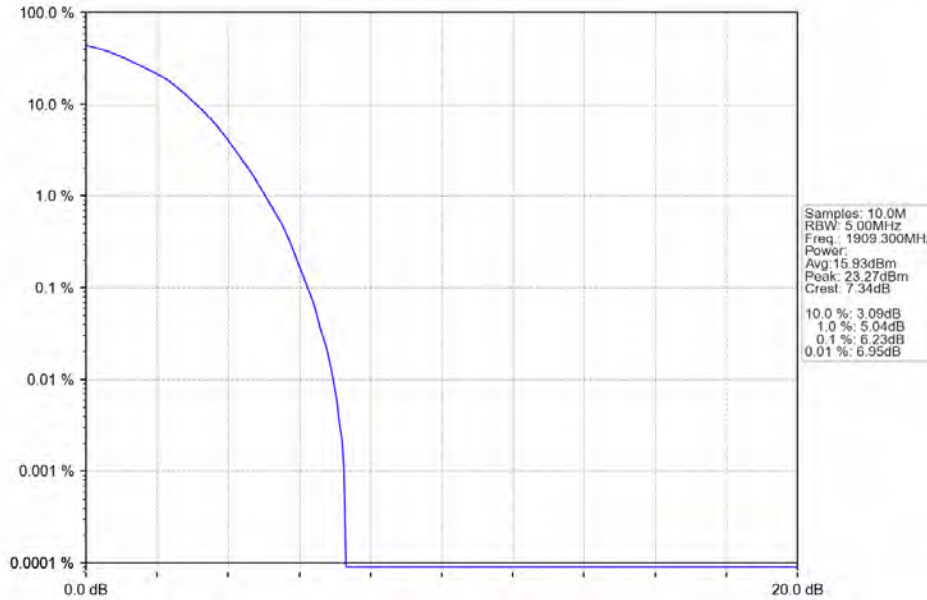
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Band2_1.4MHz_64QAM_HCH_1909.3MHz_RB_6_0_NTNV



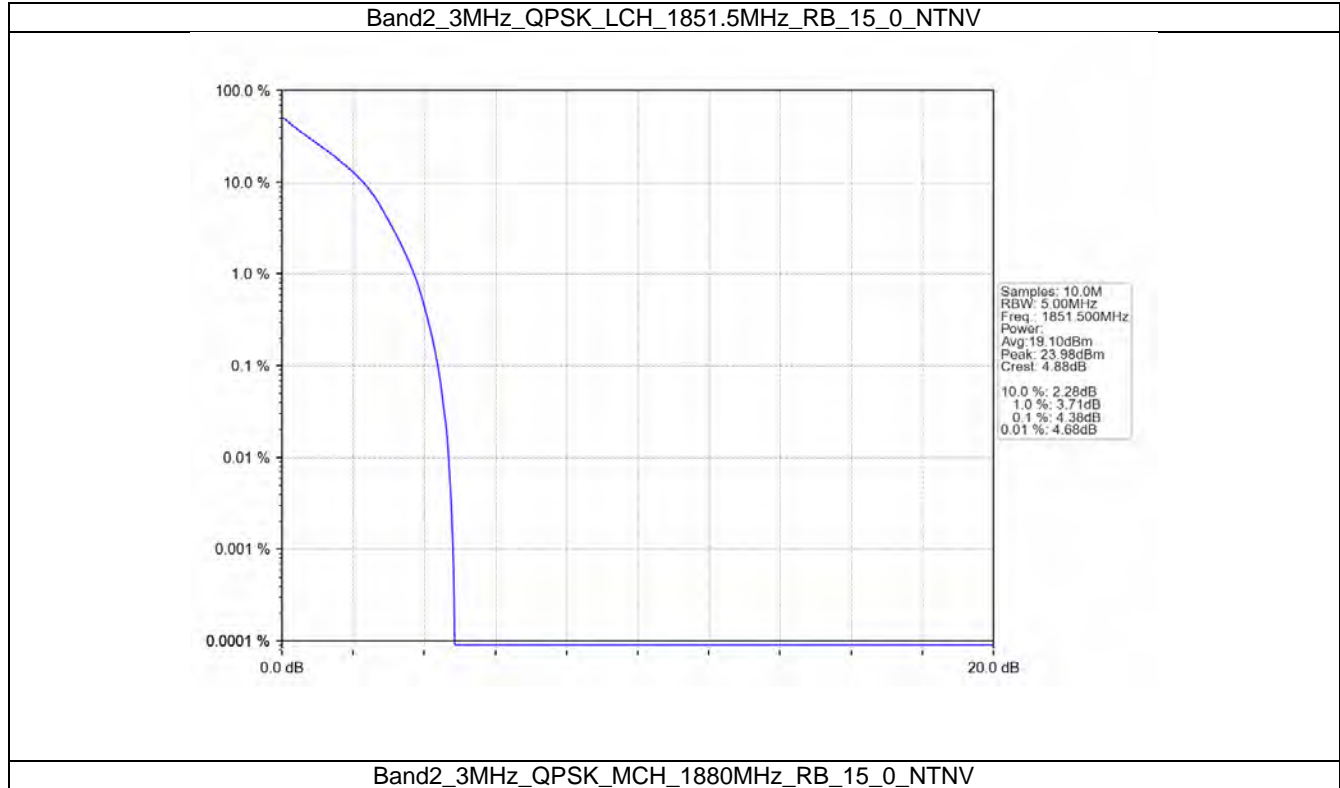
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4.2 B2_3MHz

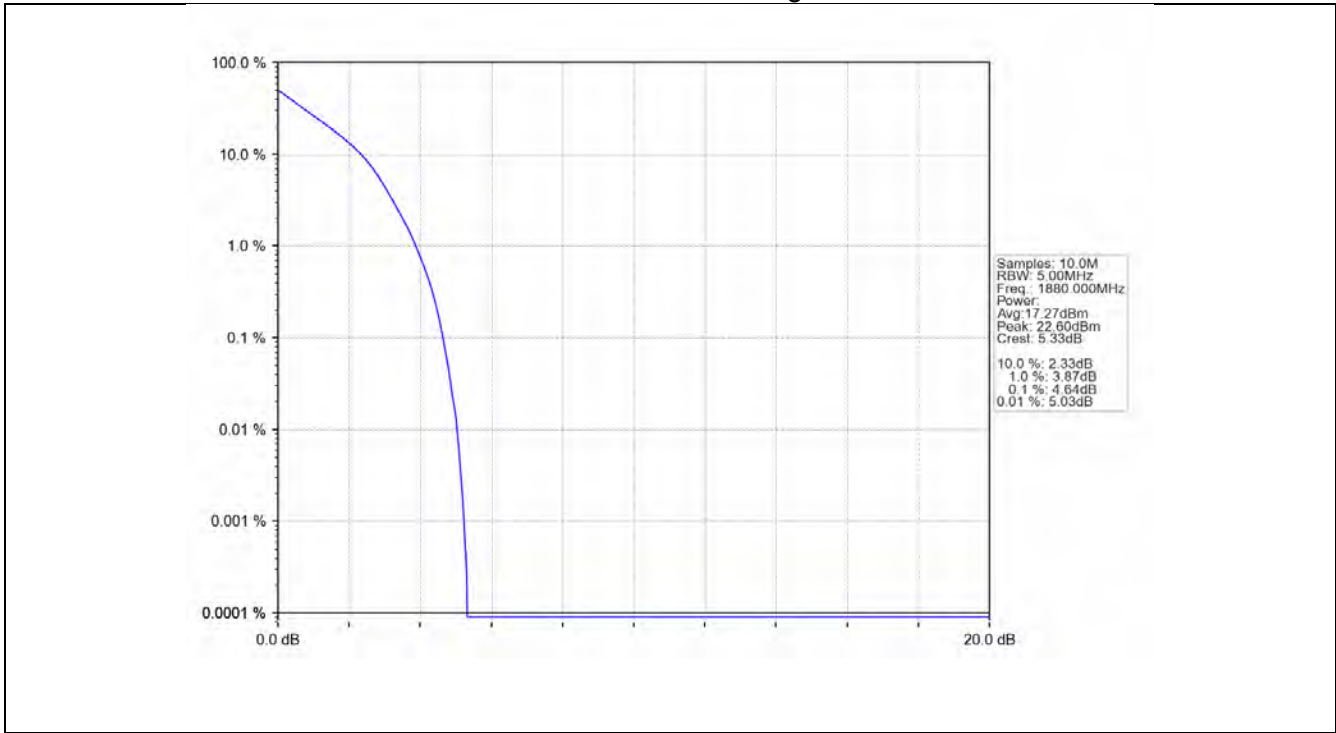
4.2.2 Test Graph



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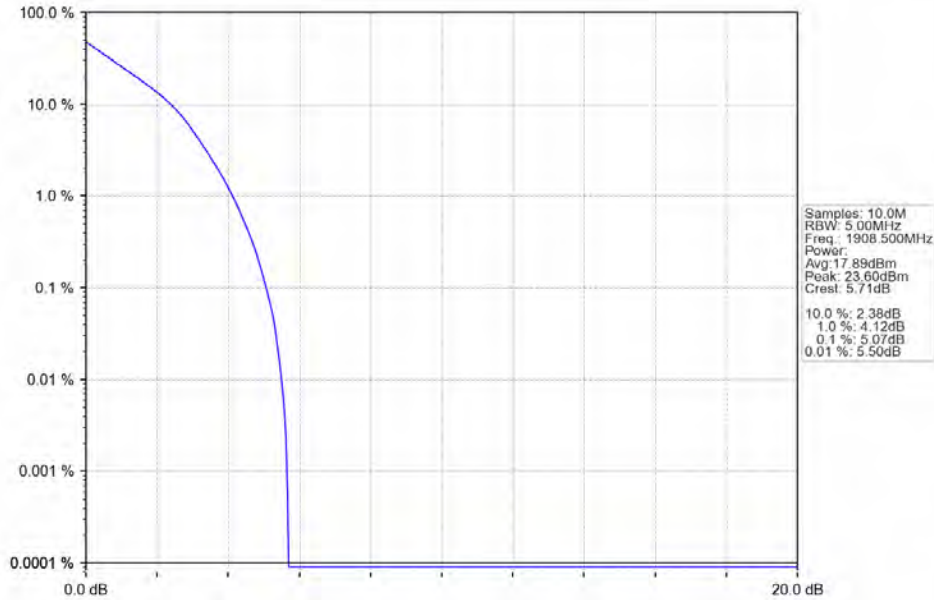


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Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



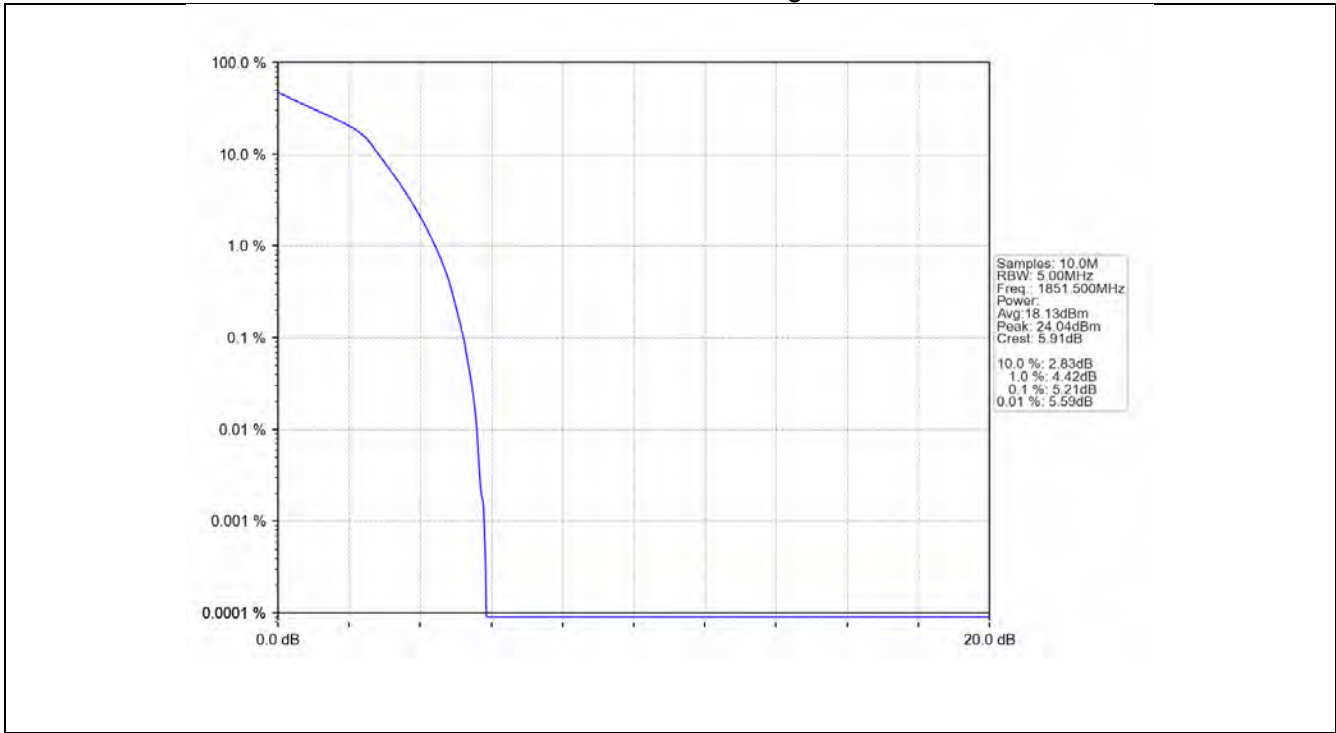
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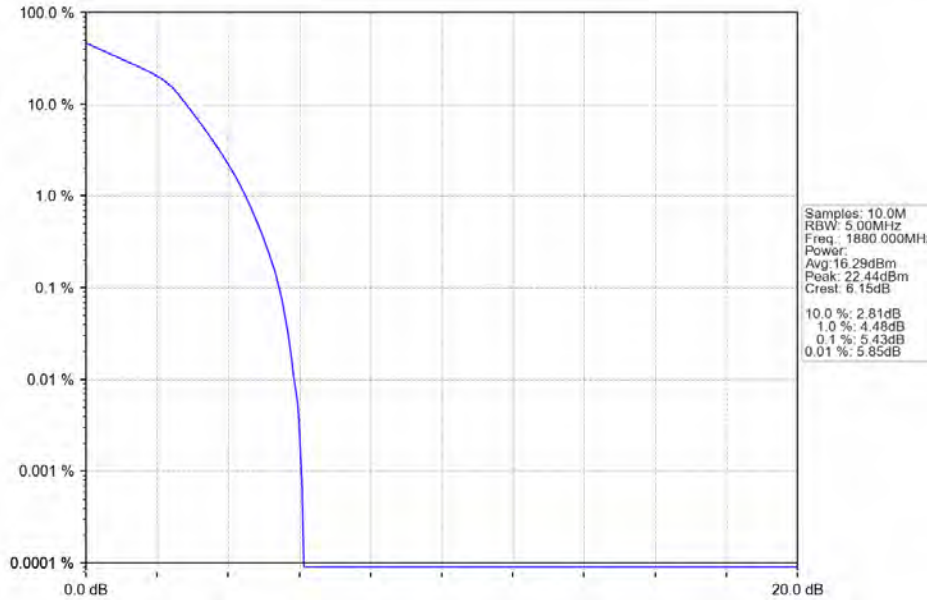


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Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV



Band2_3MHz_16QAM_HCH_1908.5MHz_RB_15_0_NTNV

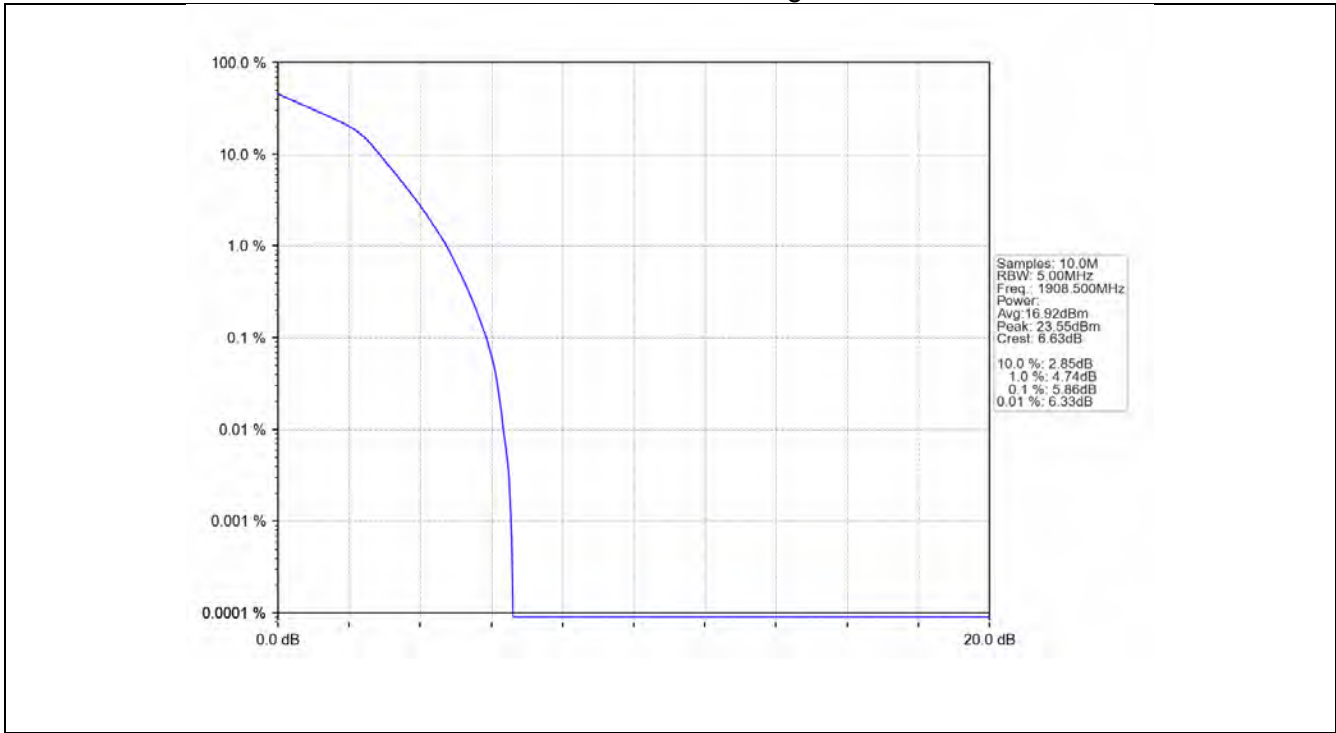


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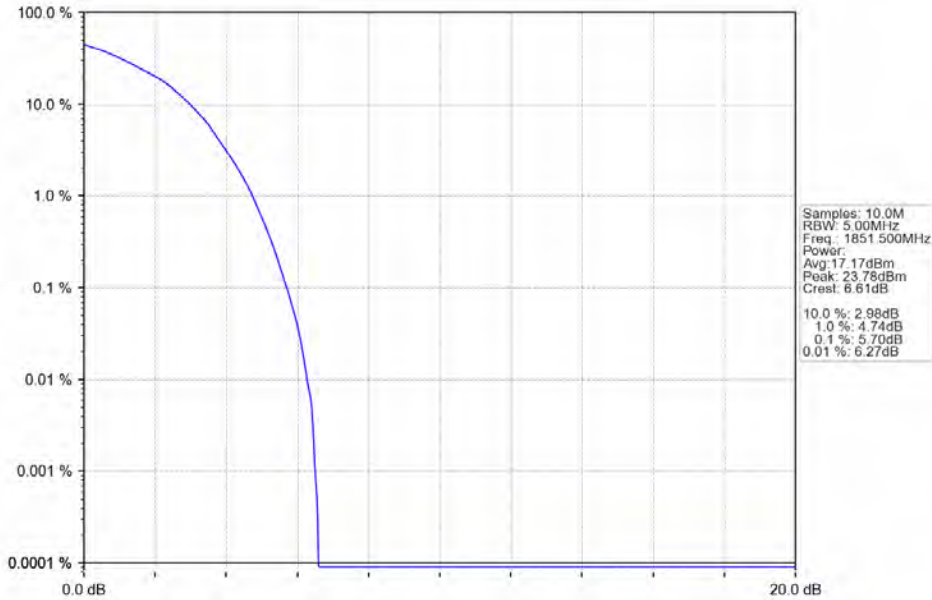


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Rev.: 01

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Band2_3MHz_64QAM_LCH_1851.5MHz_RB_15_0_NTNV



Band2_3MHz_64QAM_MCH_1880MHz_RB_15_0_NTNV

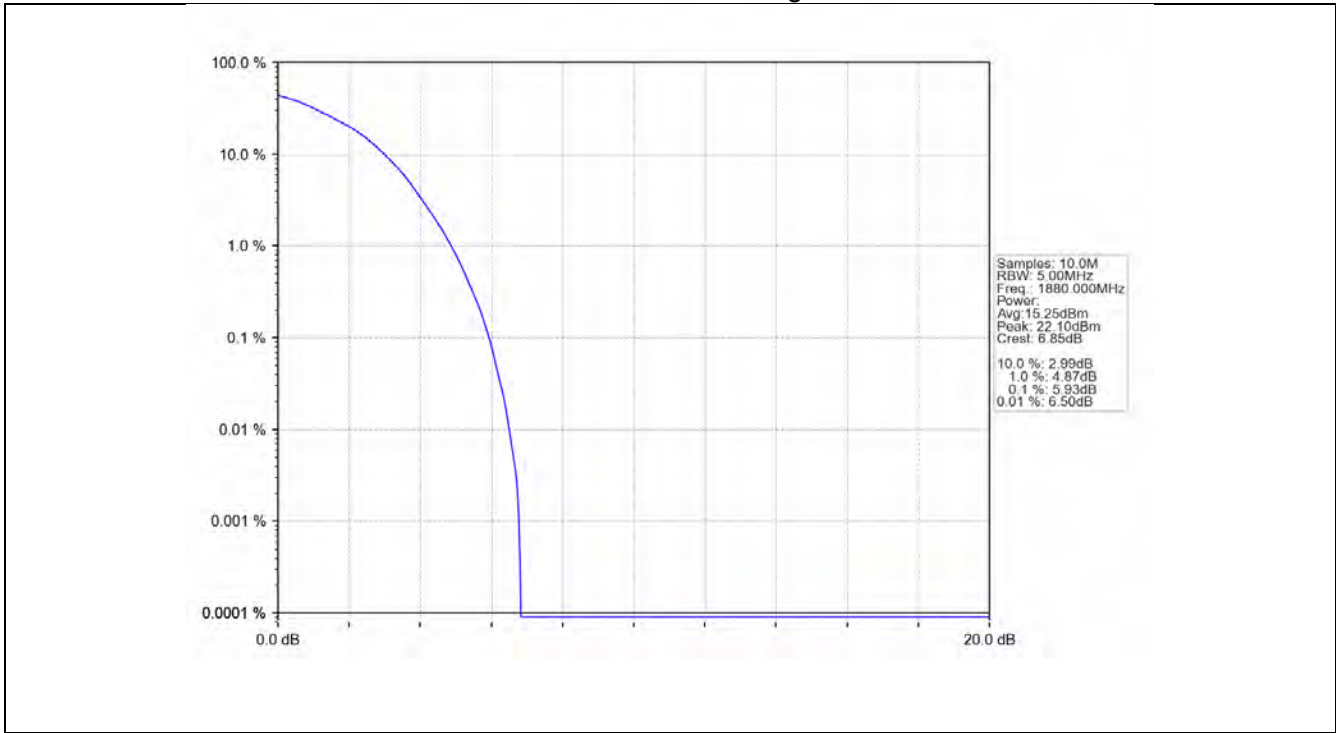


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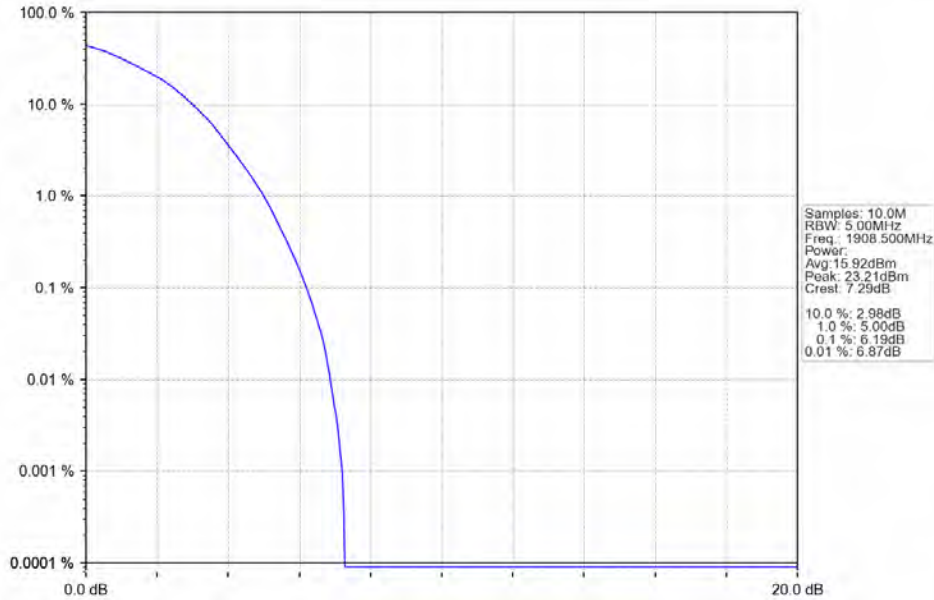


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Band2_3MHz_64QAM_HCH_1908.5MHz_RB_15_0_NTNV



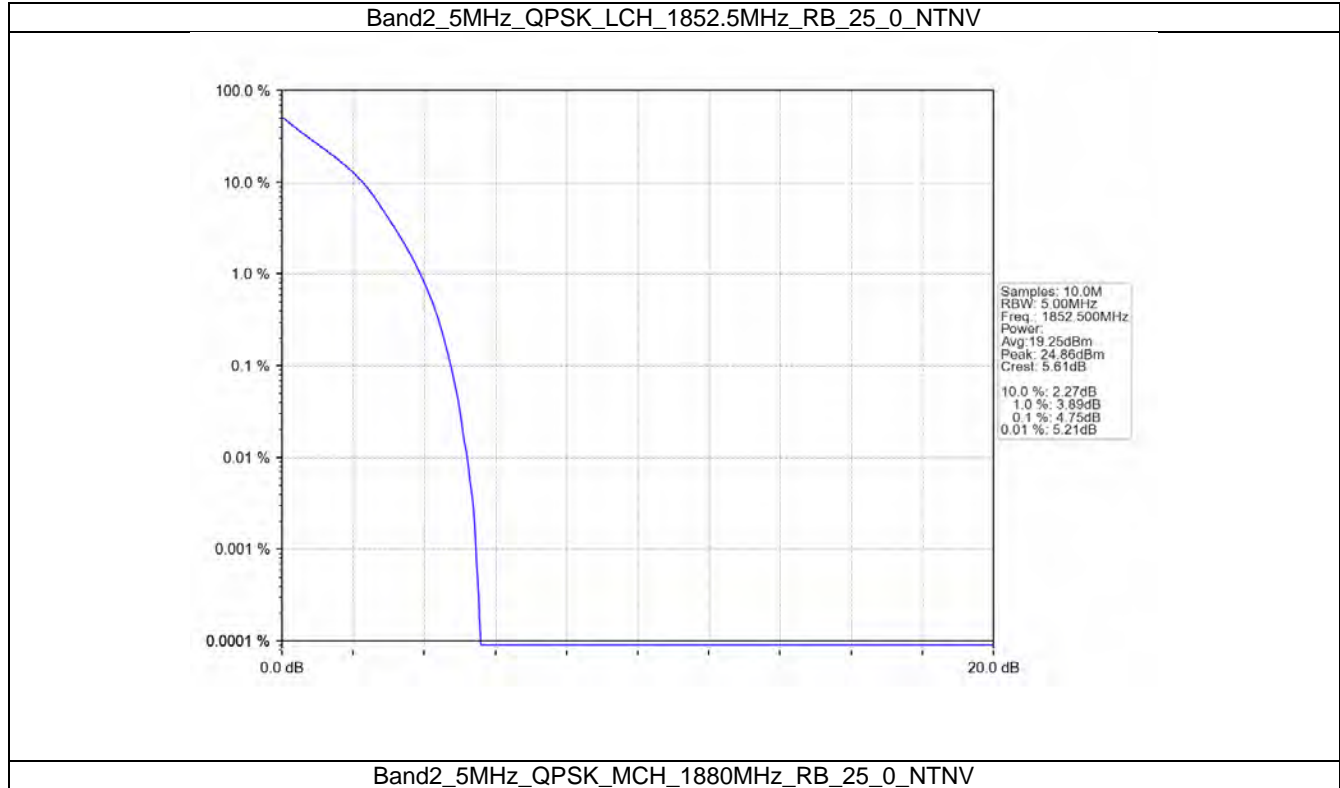
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4.3 B2_5MHz

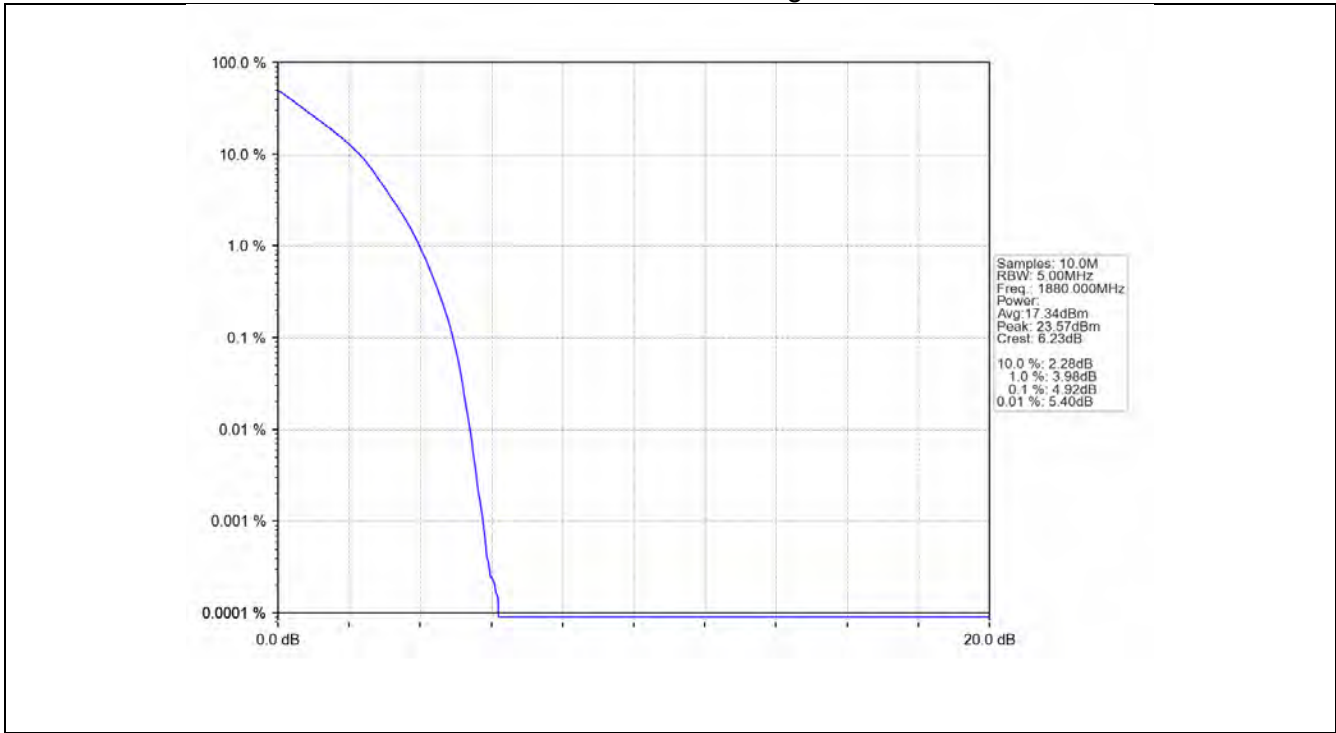
4.3.2 Test Graph



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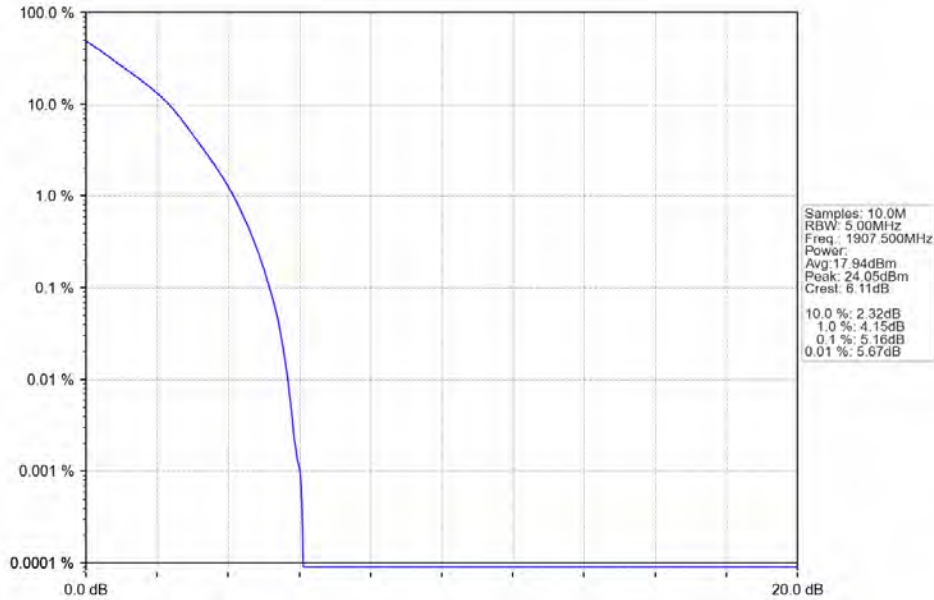


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Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



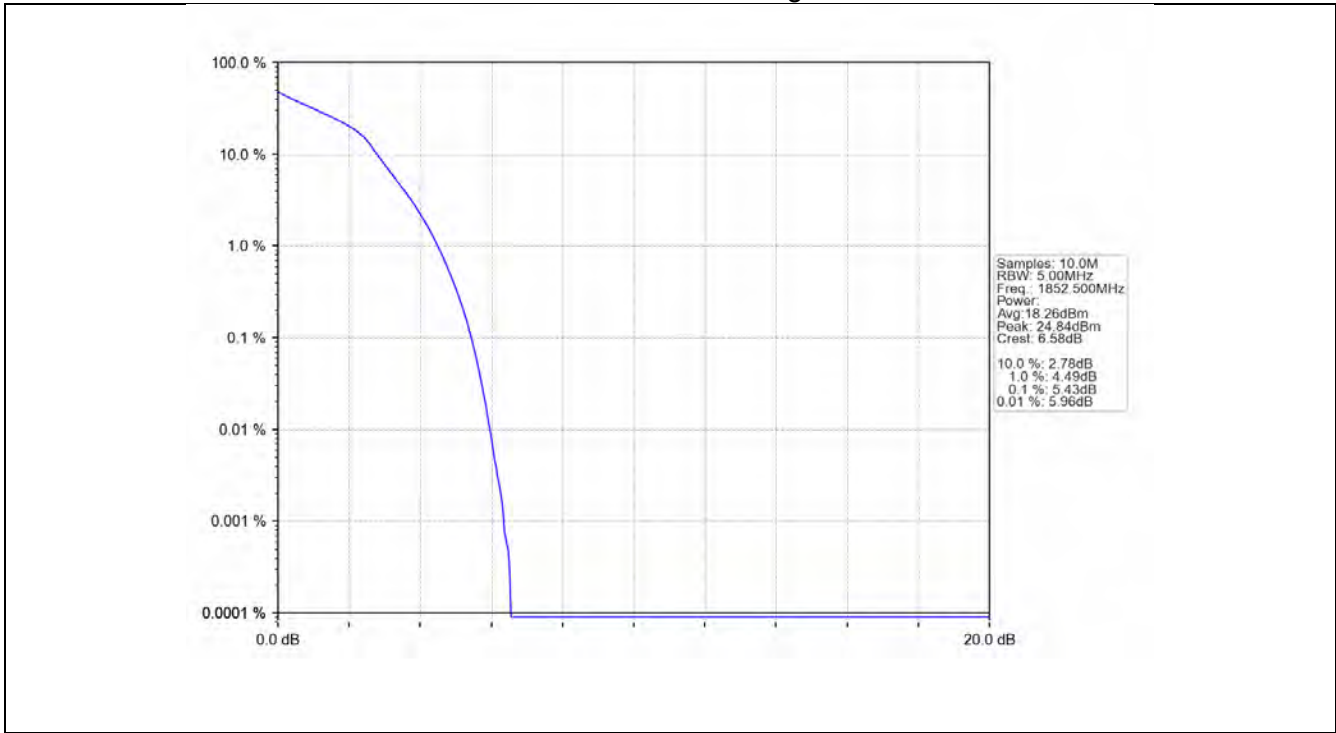
Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



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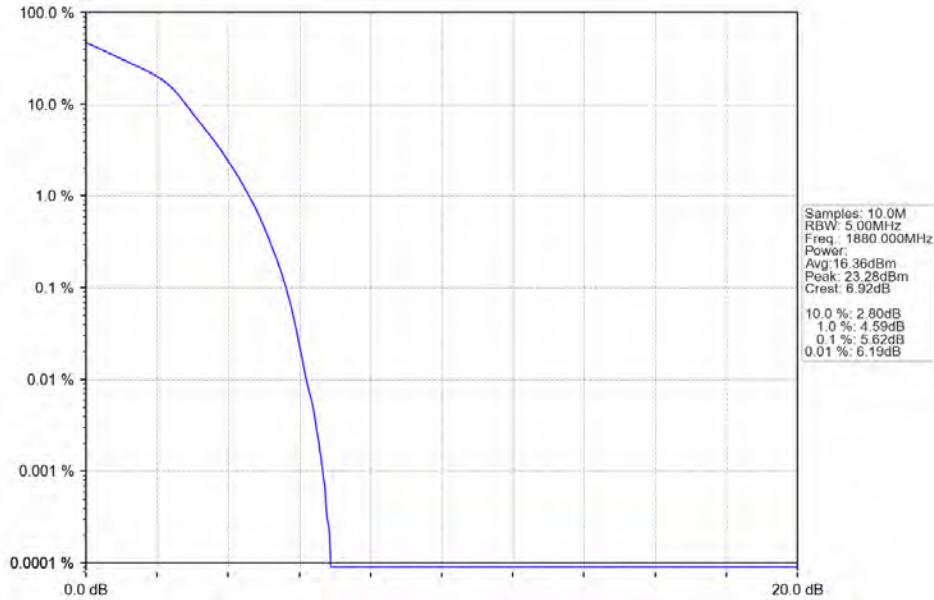


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Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV



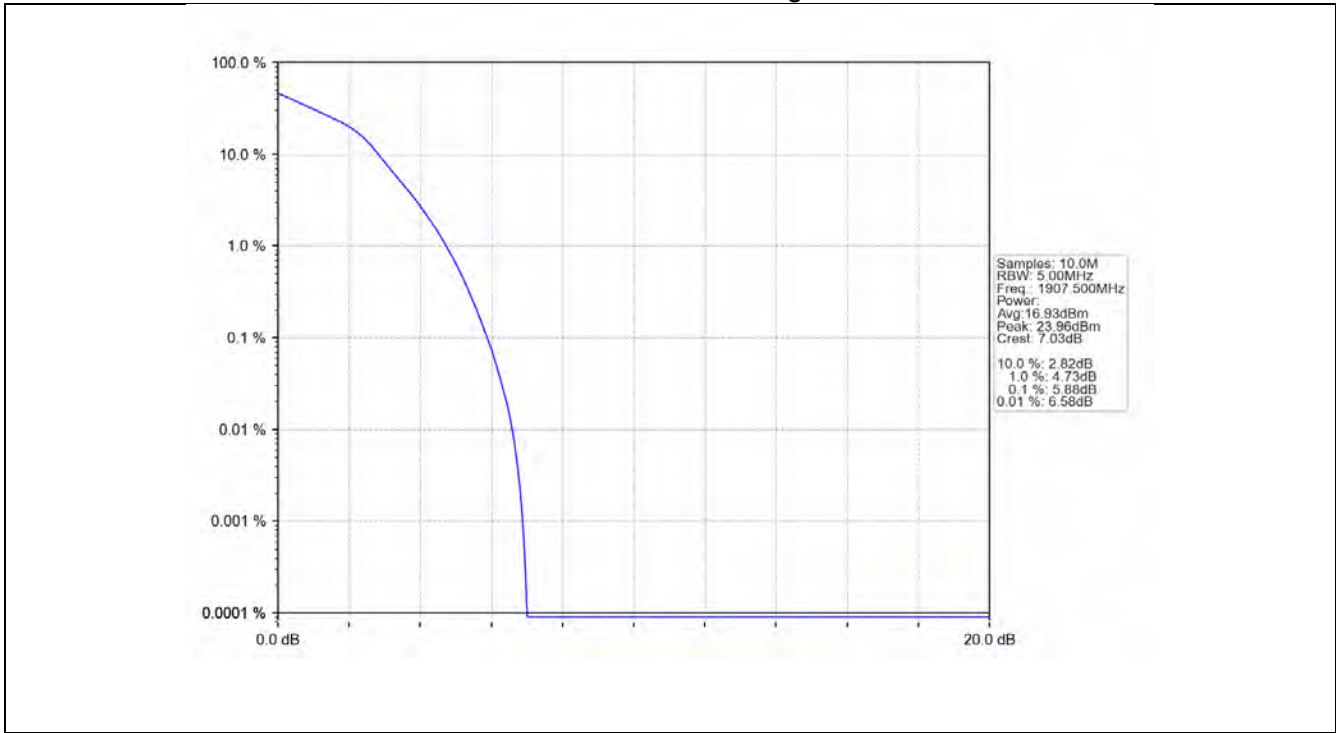
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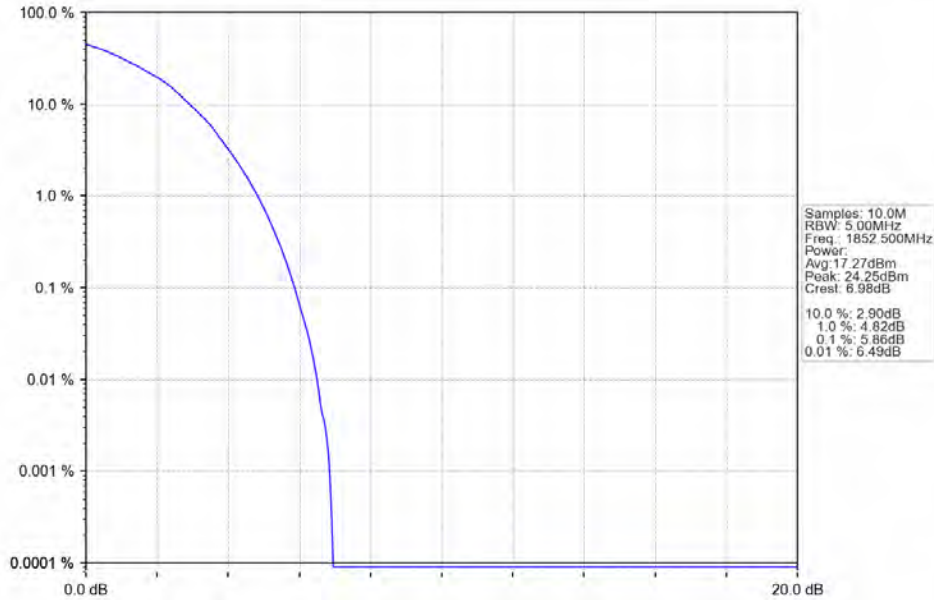
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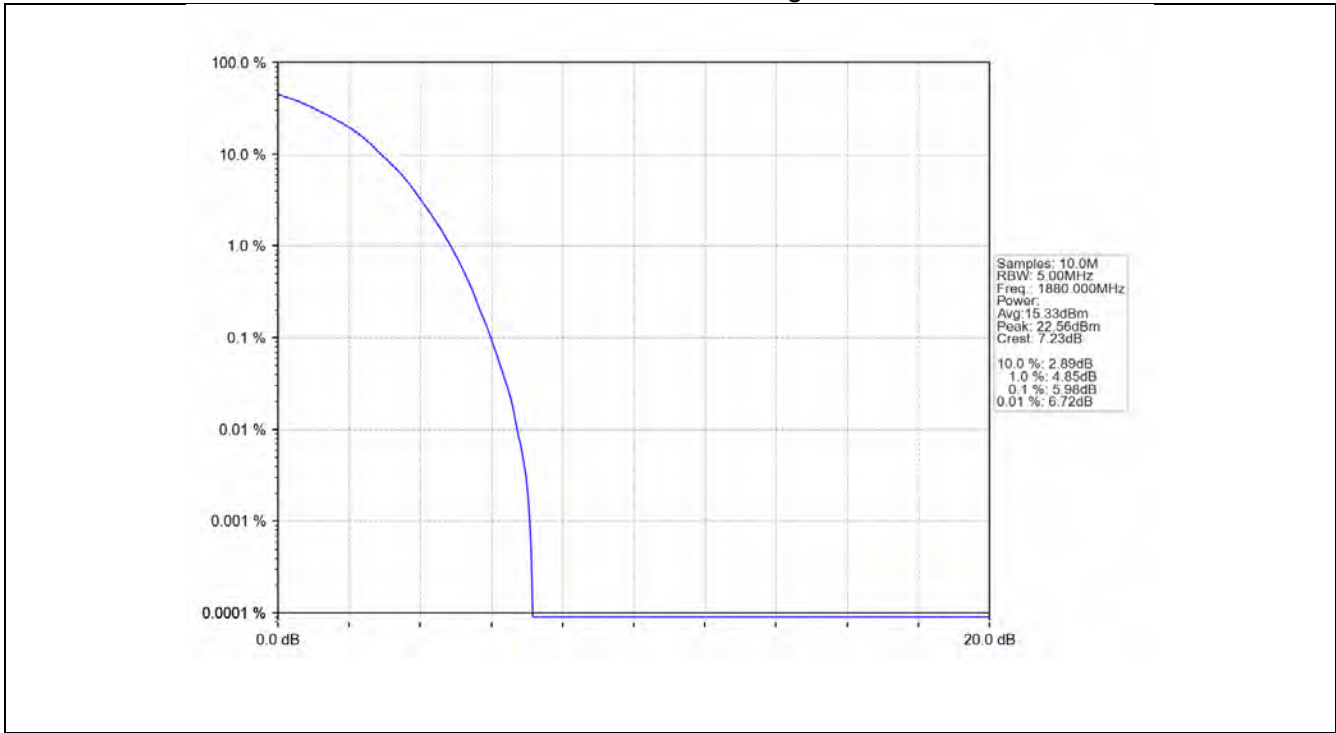
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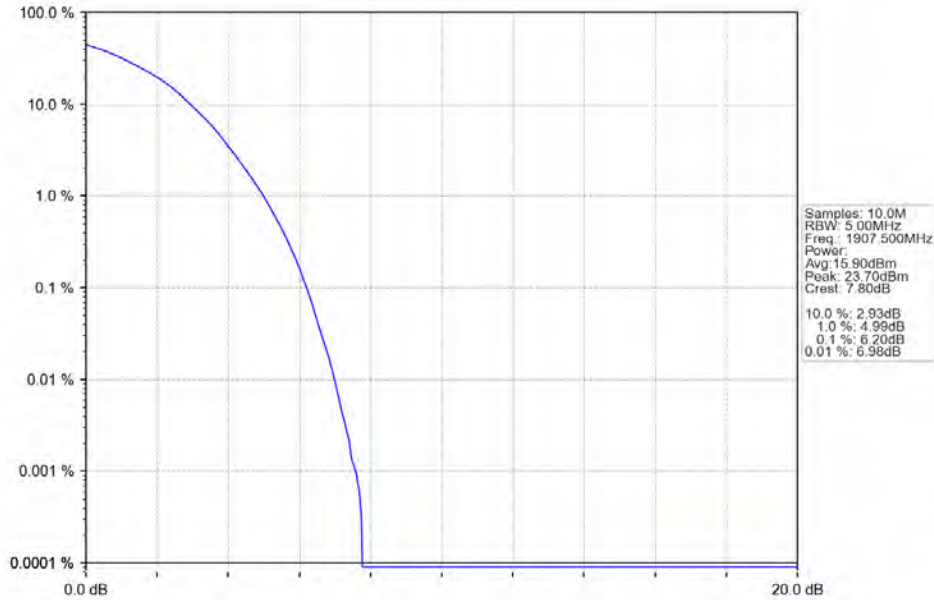


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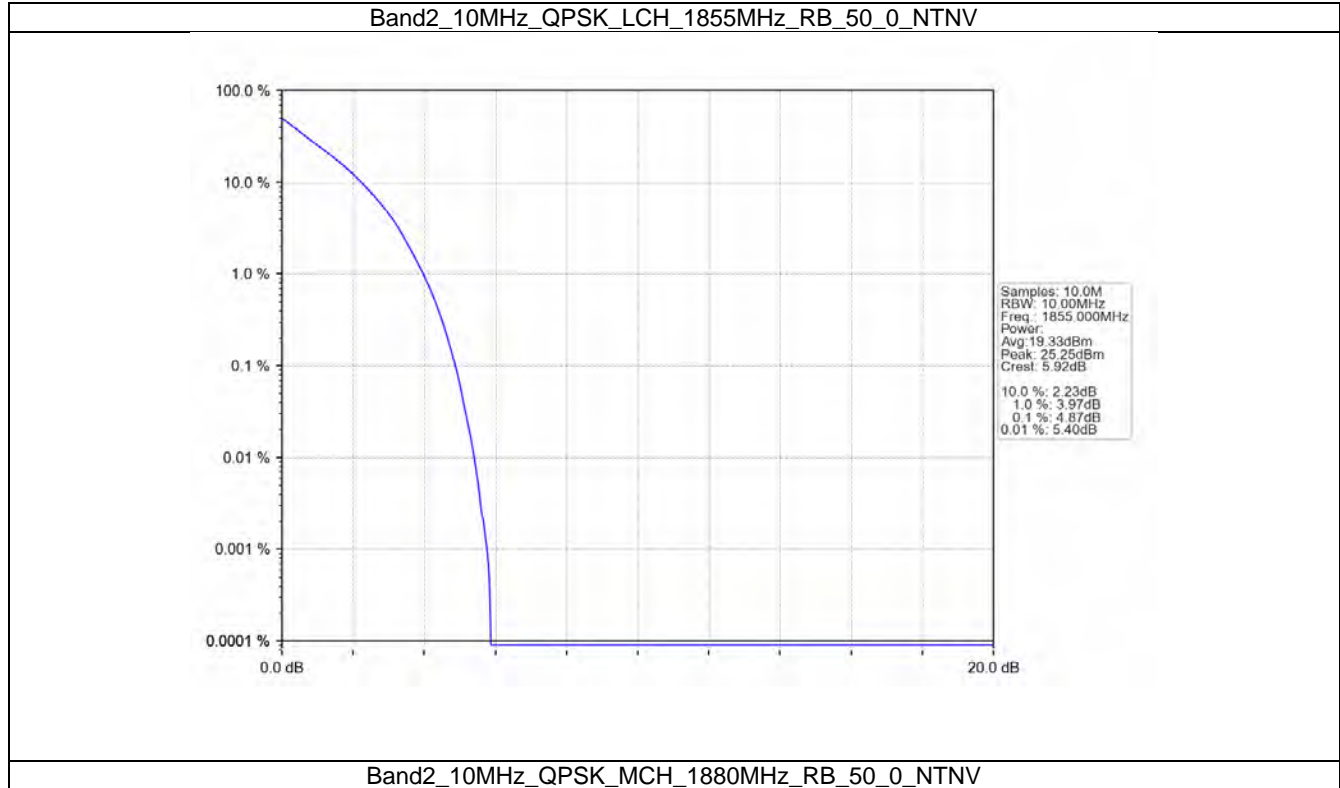
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4.4 B2_10MHz

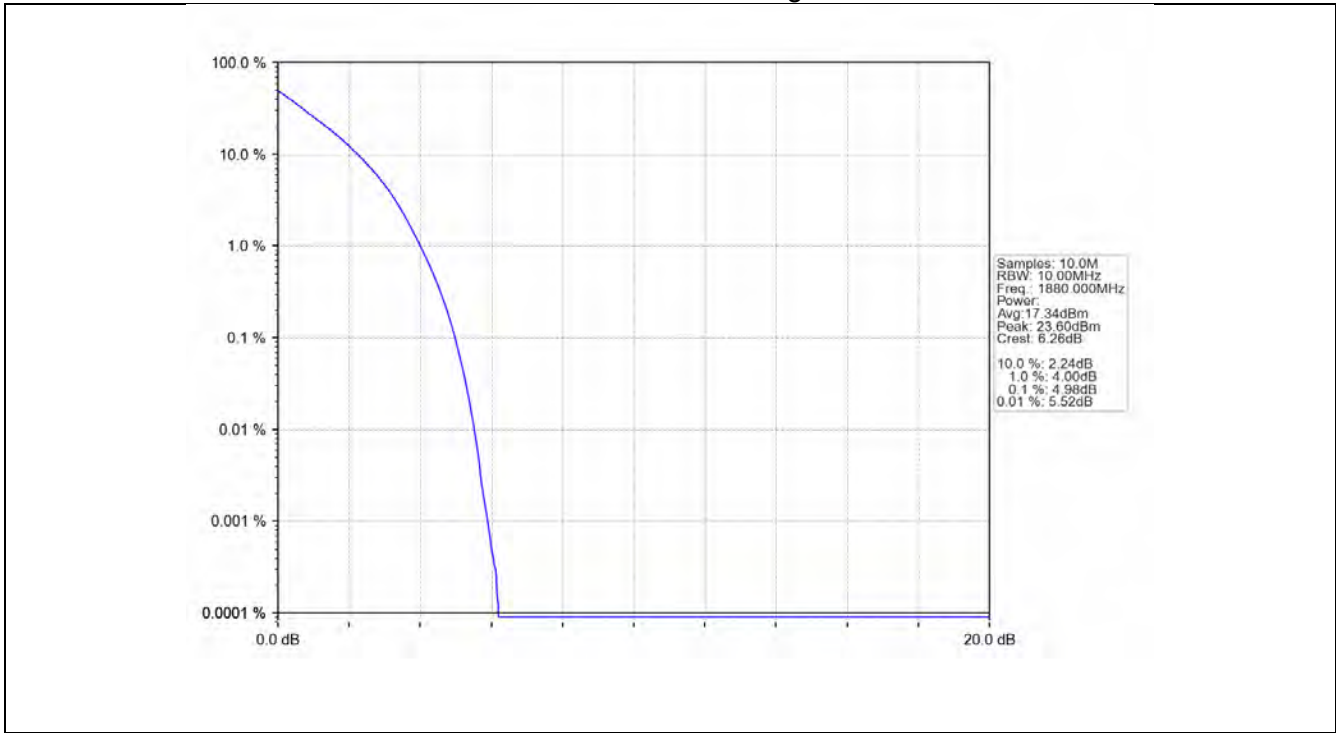
4.4.2 Test Graph



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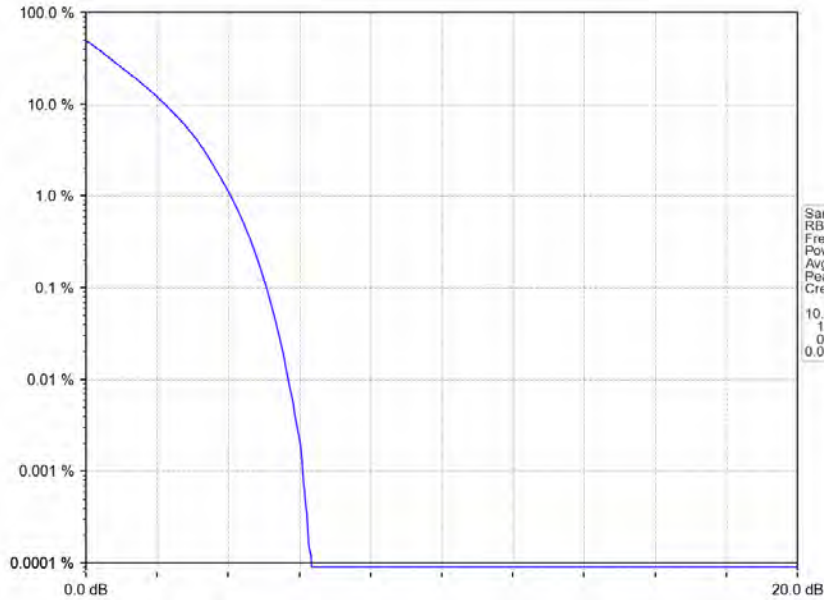


Report No.: SUCR240200003402

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Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



Samples: 10.0M
 RBW: 10.00MHz
 Freq: 1905.000MHz
 Power:
 Avg: 17.84dBm
 Peak: 24.29dBm
 Crest: 6.45dB

Band2_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV



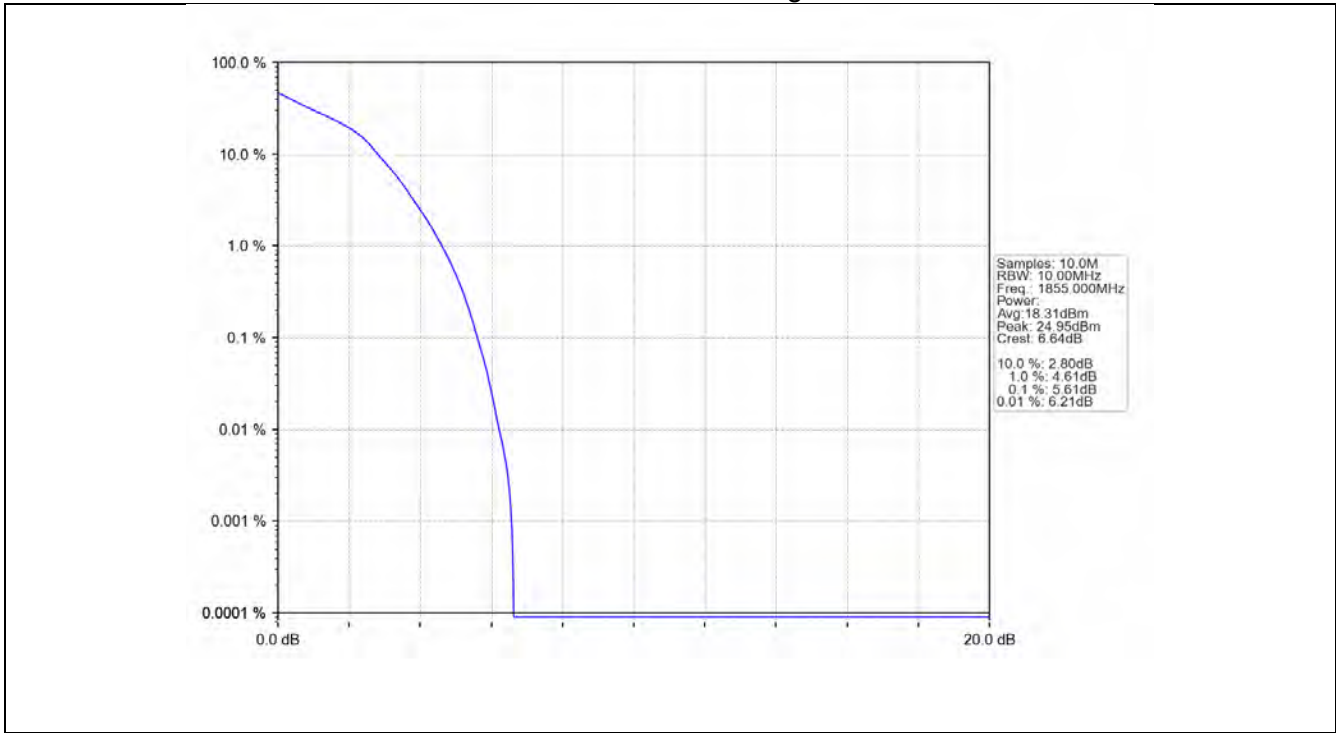
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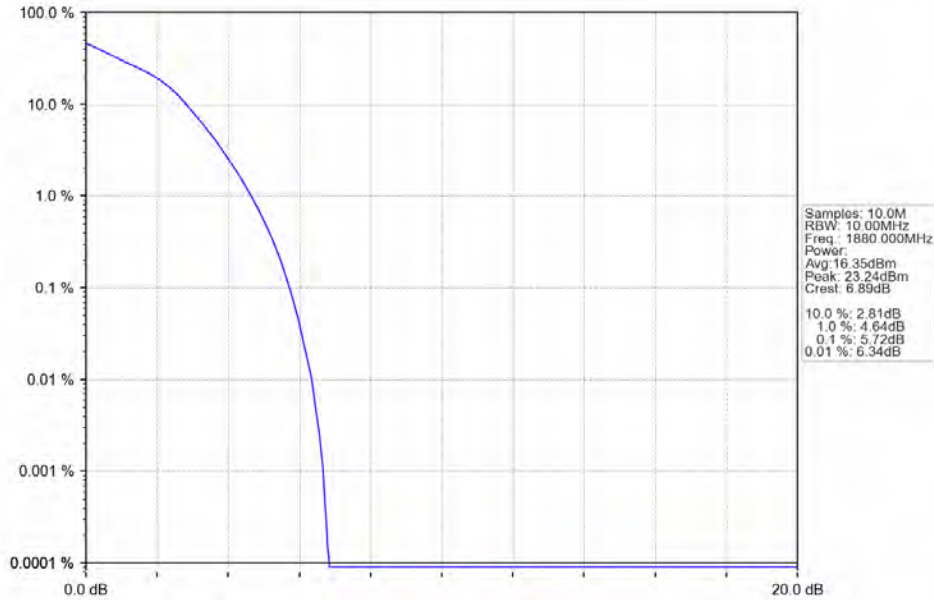


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Band2_10MHz_16QAM_MCH_1880MHz_RB_50_0_NTNV



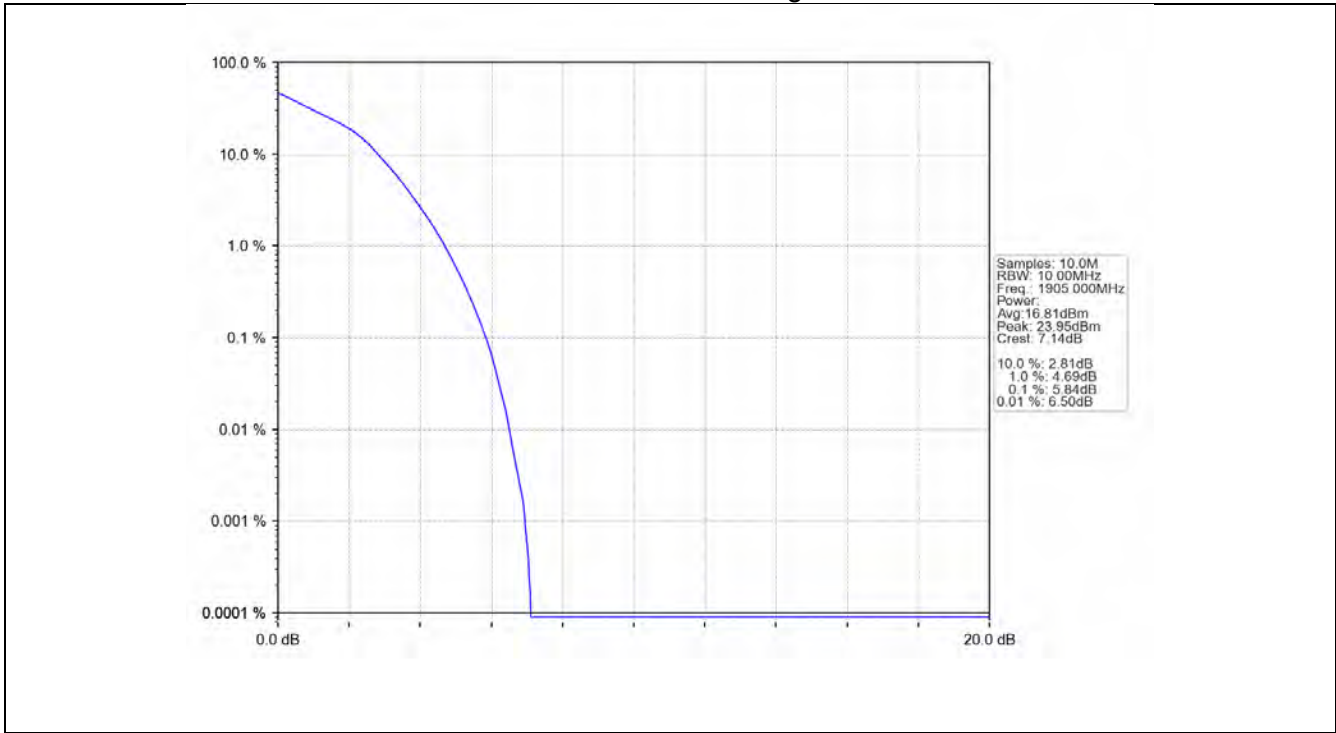
Band2_10MHz_16QAM_HCH_1905MHz_RB_50_0_NTNV



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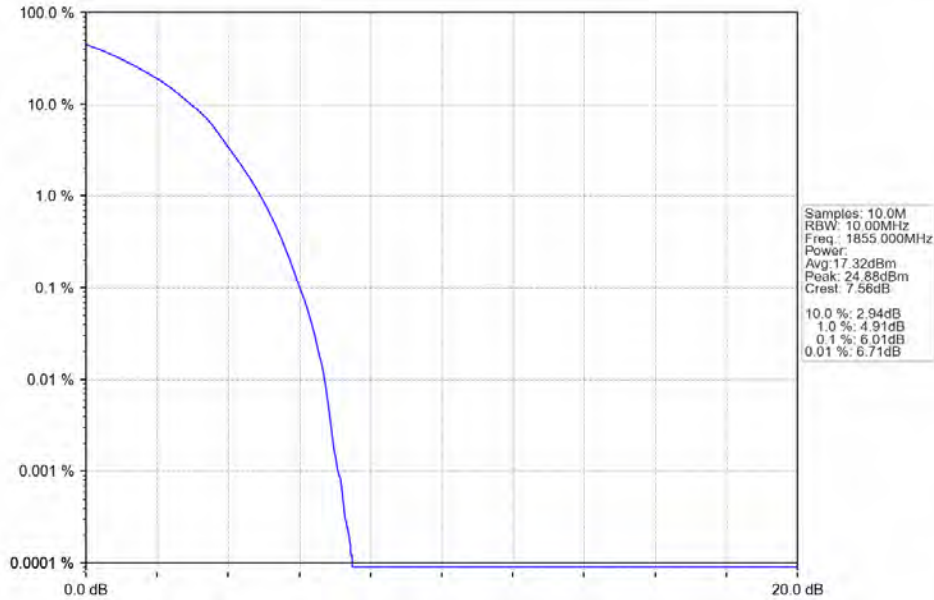
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Band2_10MHz_64QAM_LCH_1855MHz_RB_50_0_NTNV



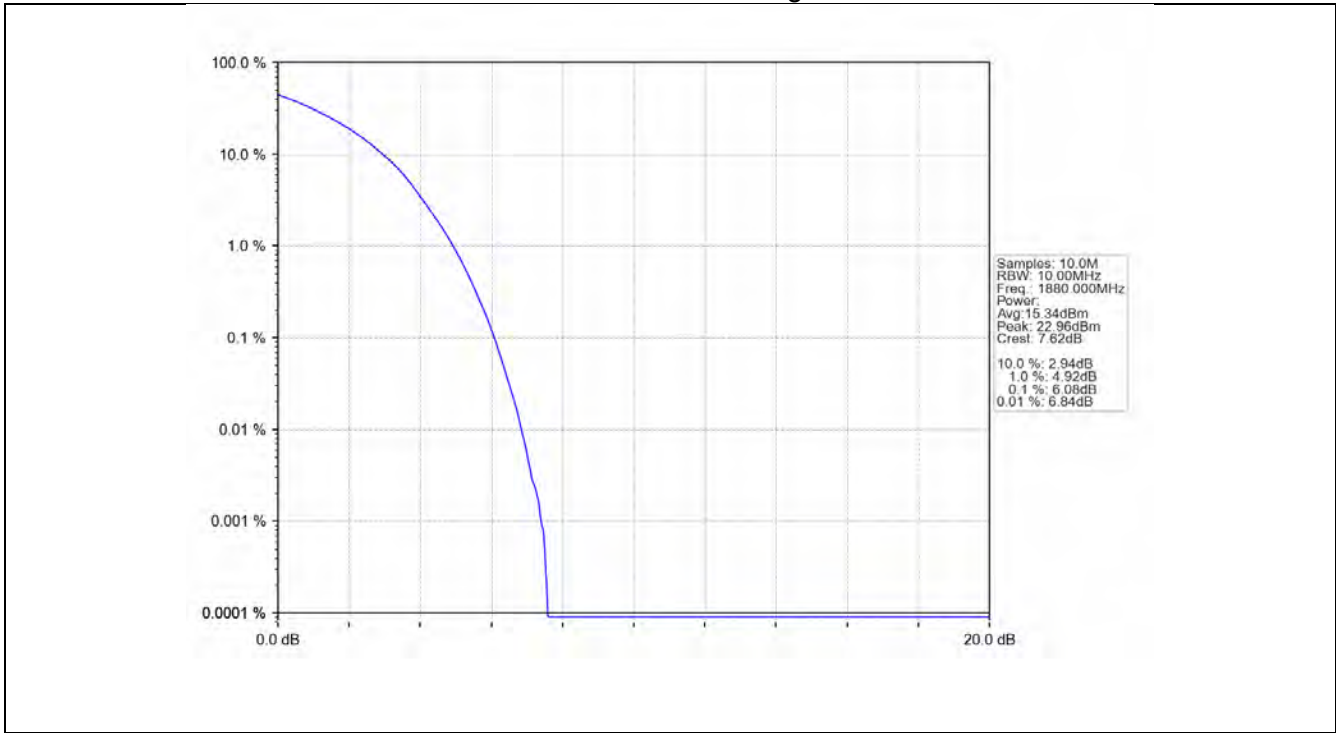
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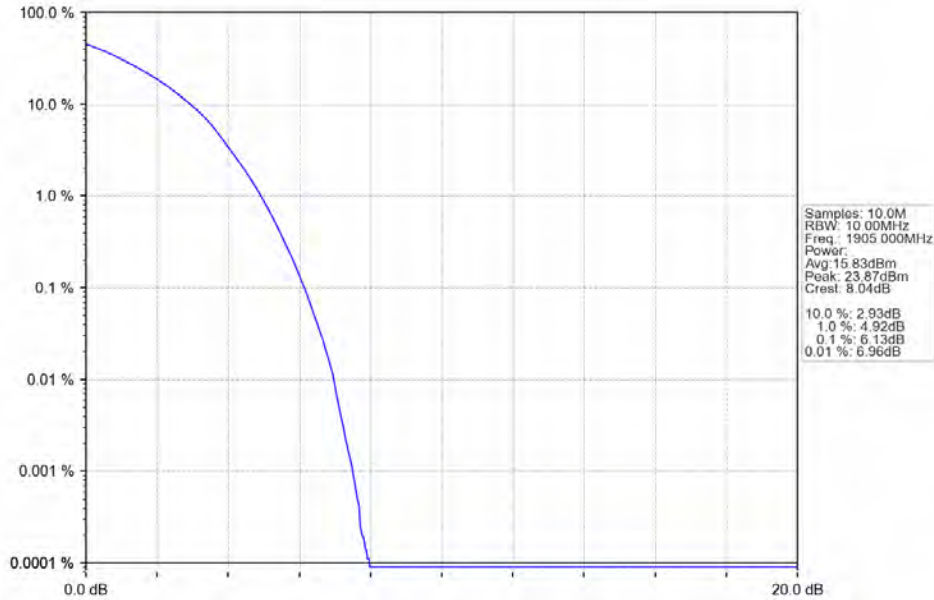


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Band2_10MHz_64QAM_HCH_1905MHz_RB_50_0_NTNV



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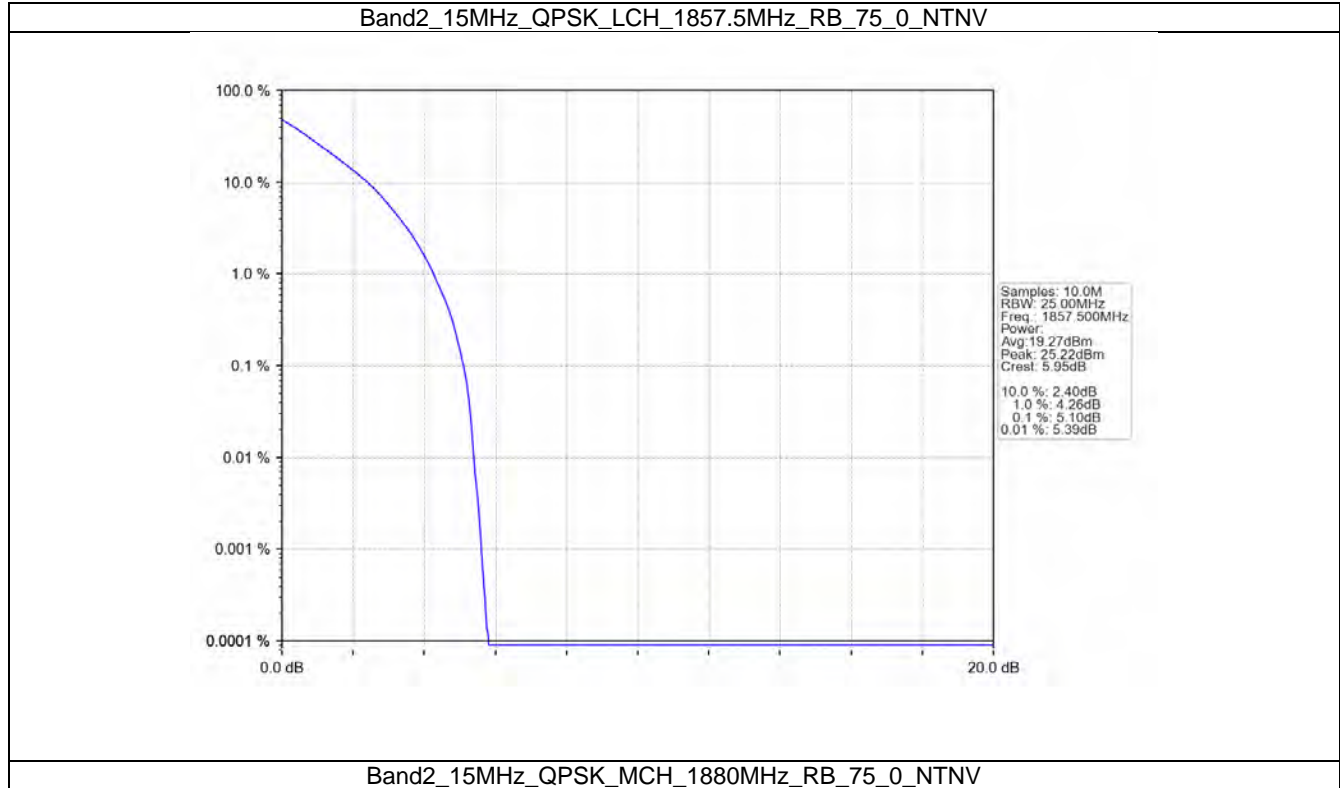
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4.5 B2_15MHz

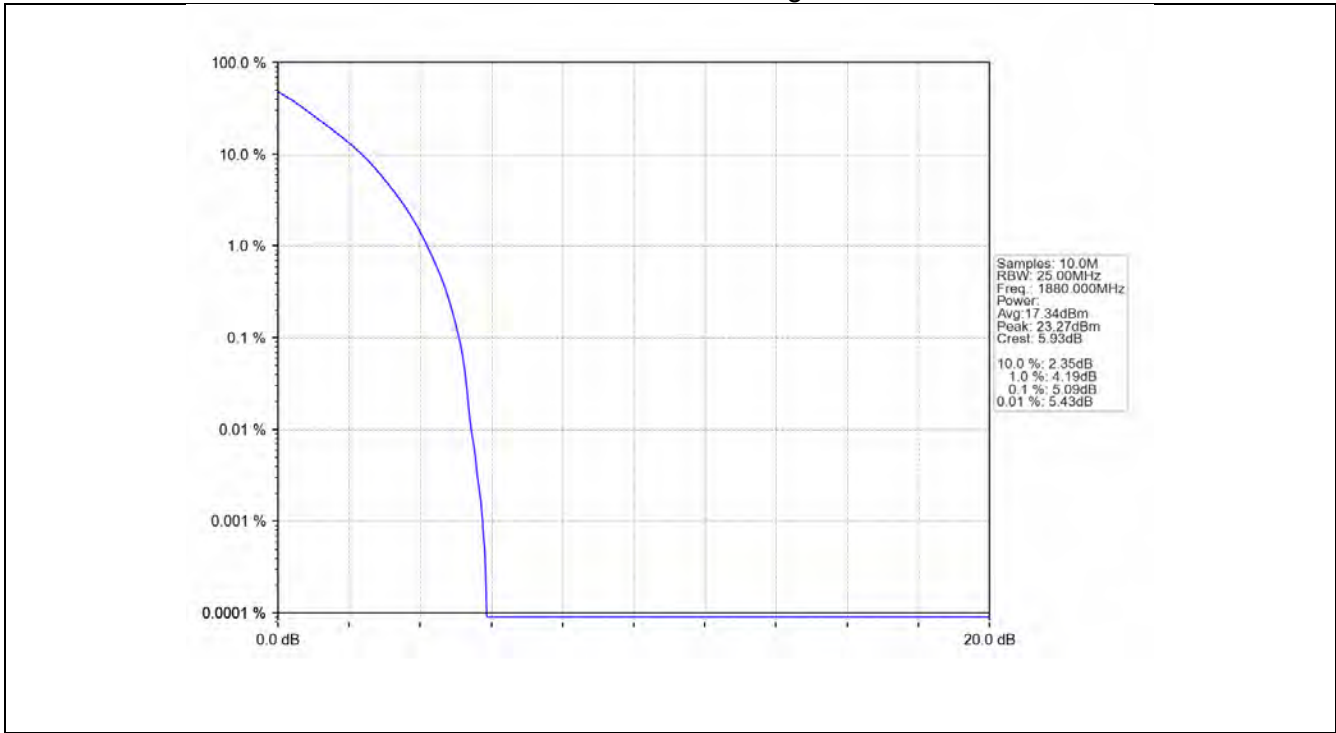
4.5.2 Test Graph



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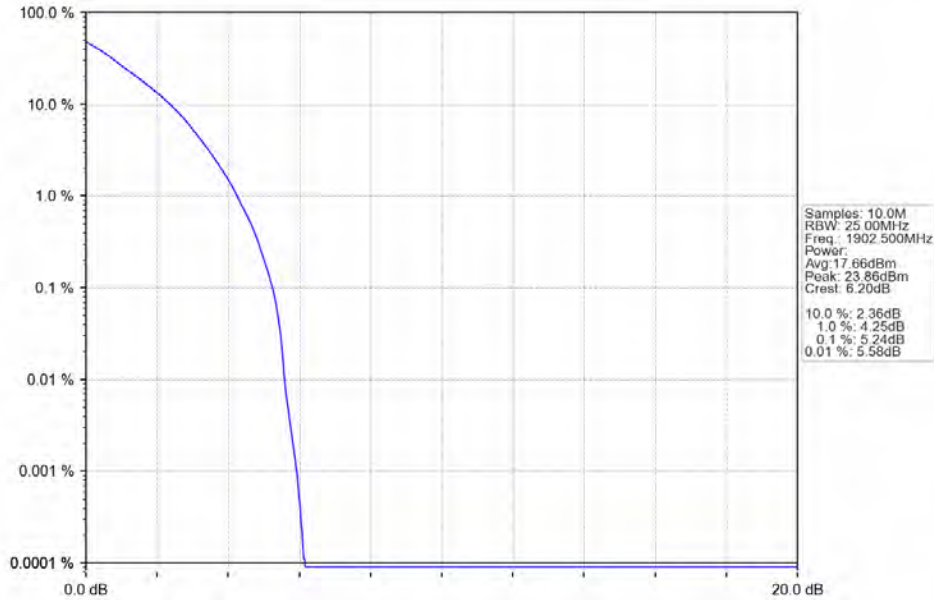


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Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



Band2_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



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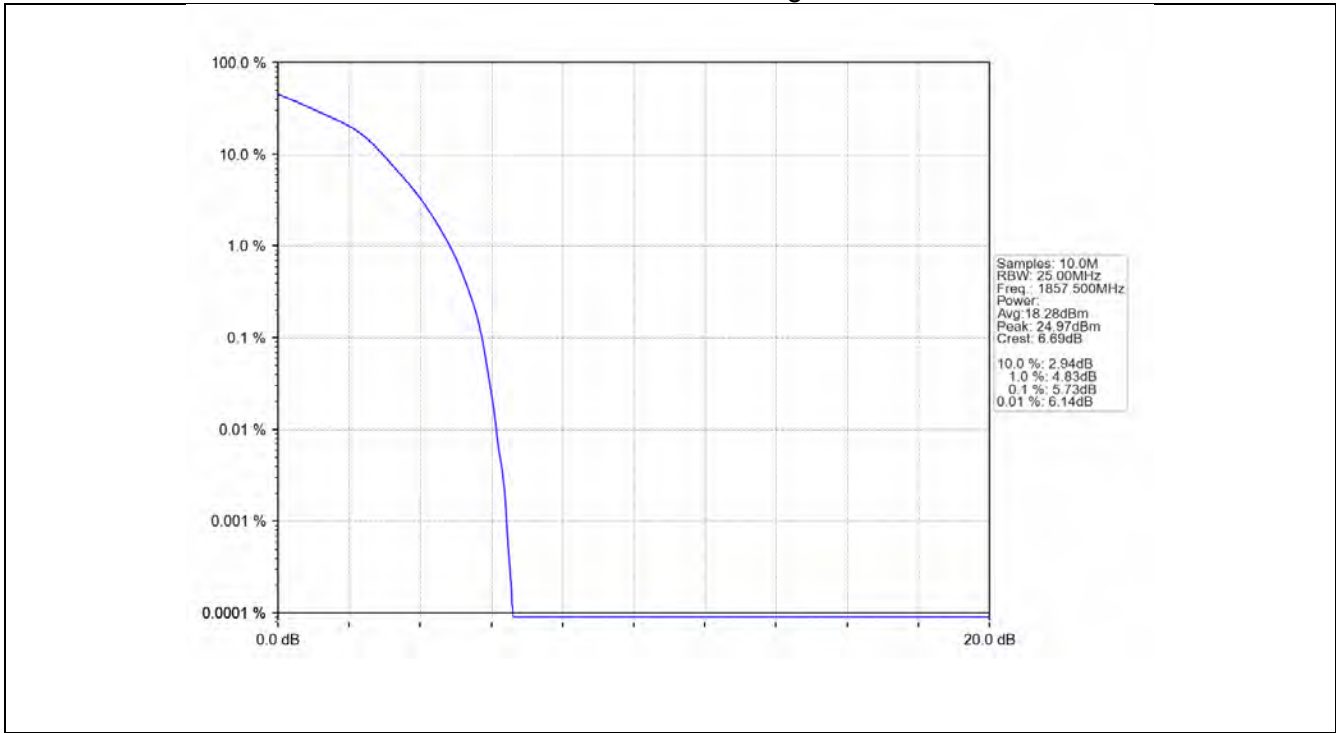
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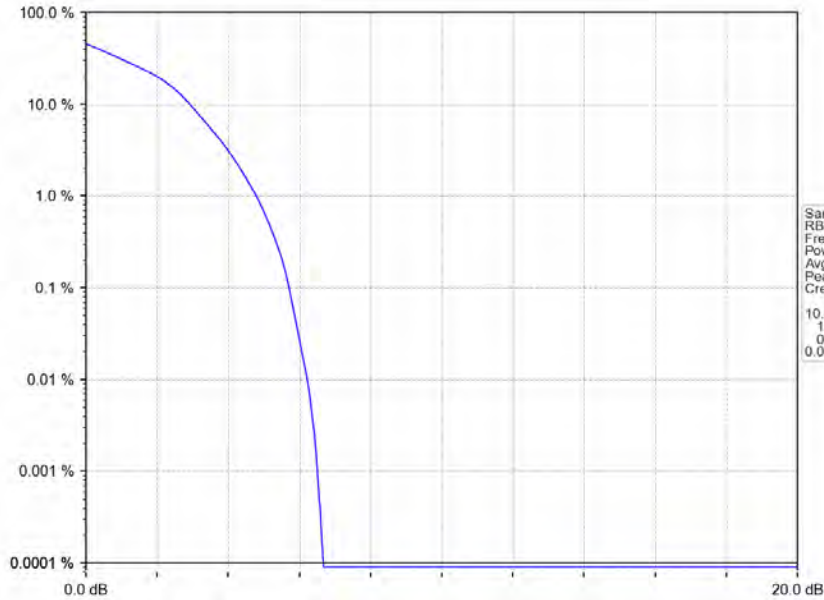


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Band2_15MHz_16QAM_MCH_1880MHz_RB_75_0_NTNV



Samples: 10.0M
 RBW: 25.00MHz
 Freq: 1880.000MHz
 Power:
 Avg: 16.38dBm
 Peak: 23.11dBm
 Crest: 6.73dB

10.0 %: 2.92dB
 1.0 %: 4.79dB
 0.1 %: 5.71dB
 0.01 %: 6.22dB

Band2_15MHz_16QAM_HCH_1902.5MHz_RB_75_0_NTNV

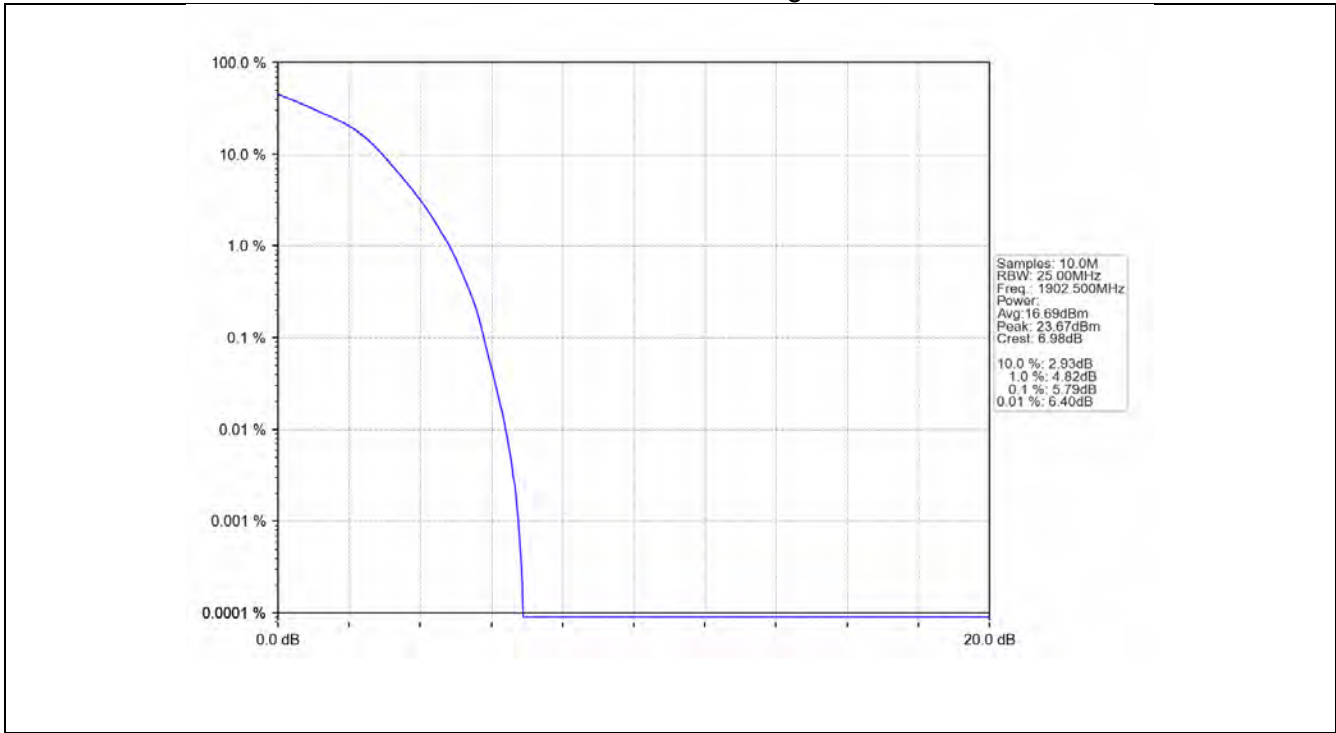


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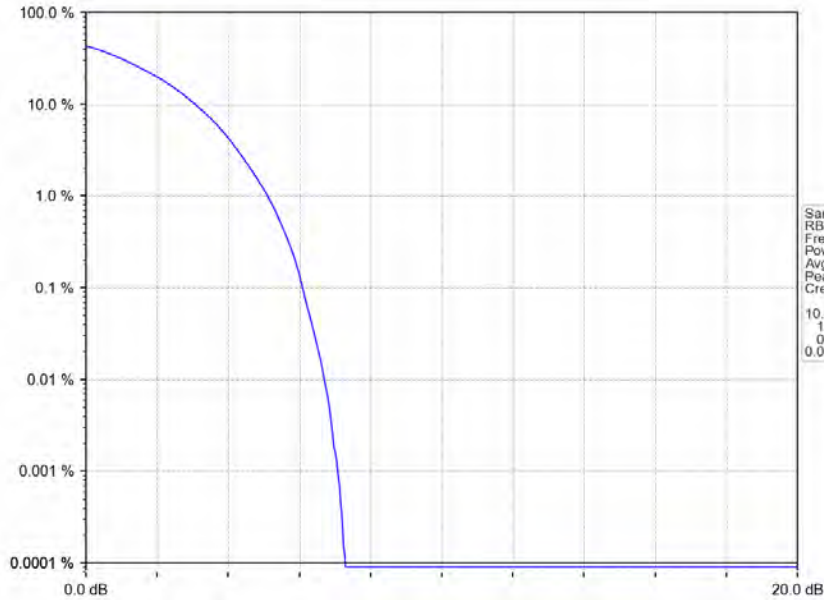


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Band2_15MHz_64QAM_LCH_1857.5MHz_RB_75_0_NTNV



Samples: 10.0M
 RBW: 25.00MHz
 Freq: 1857.500MHz
 Power:
 Avg: 17.28dBm
 Peak: 24.70dBm
 Crest: 7.42dB

Band2_15MHz_64QAM_MCH_1880MHz_RB_75_0_NTNV

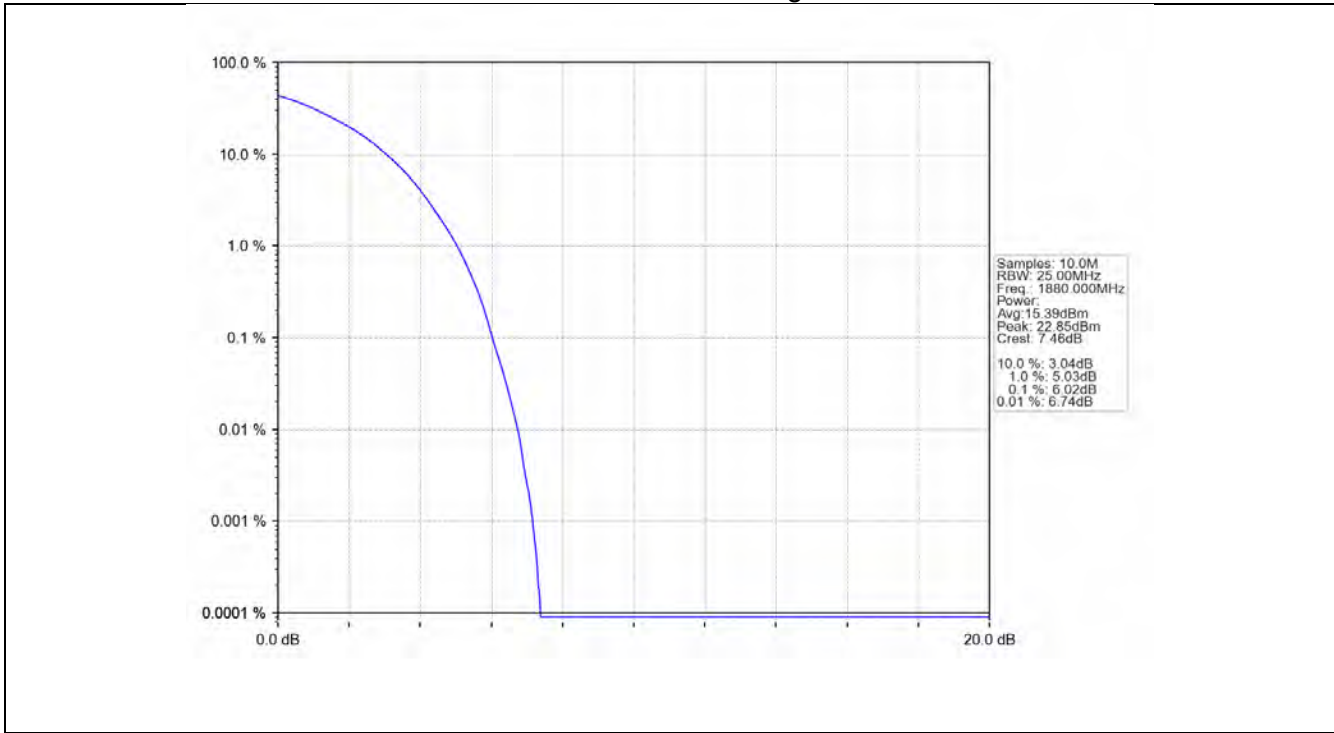


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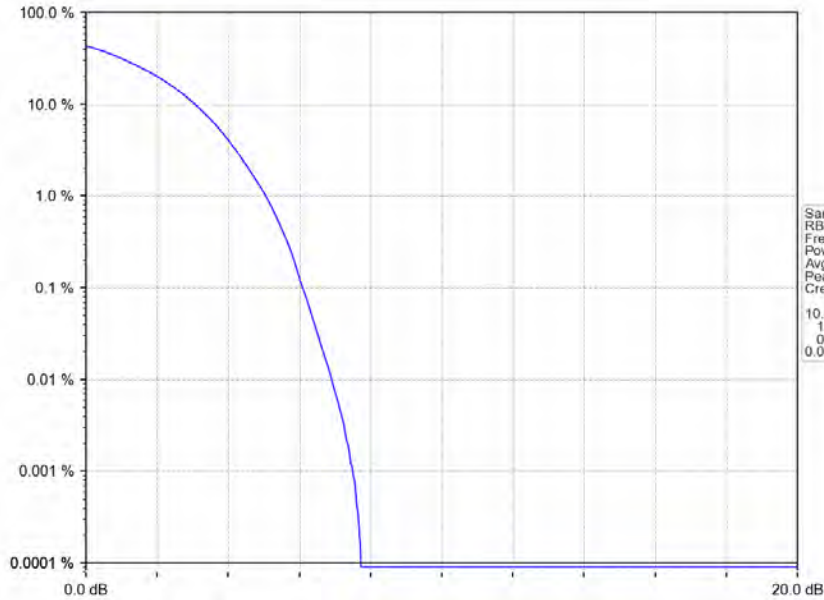


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Band2_15MHz_64QAM_HCH_1902.5MHz_RB_75_0_NTNV



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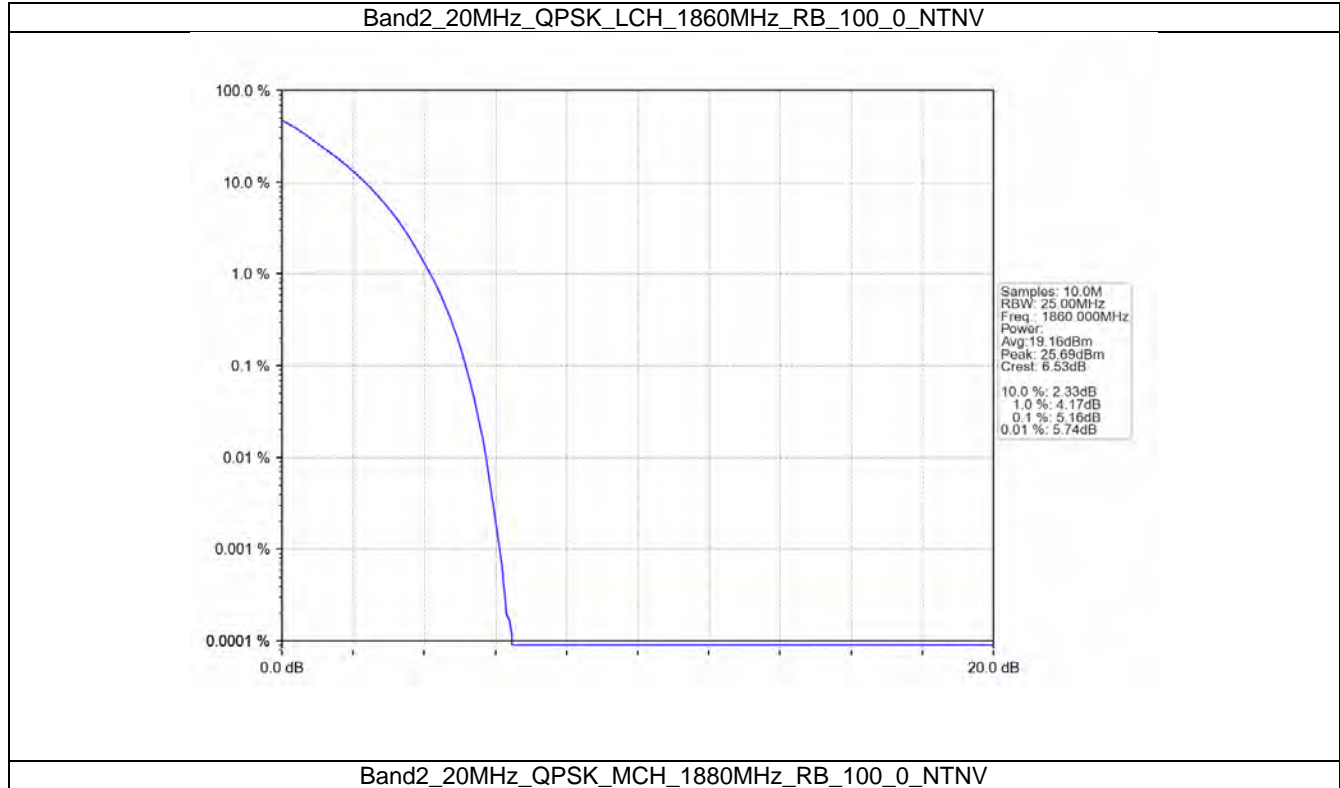
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4.6 B2_20MHz

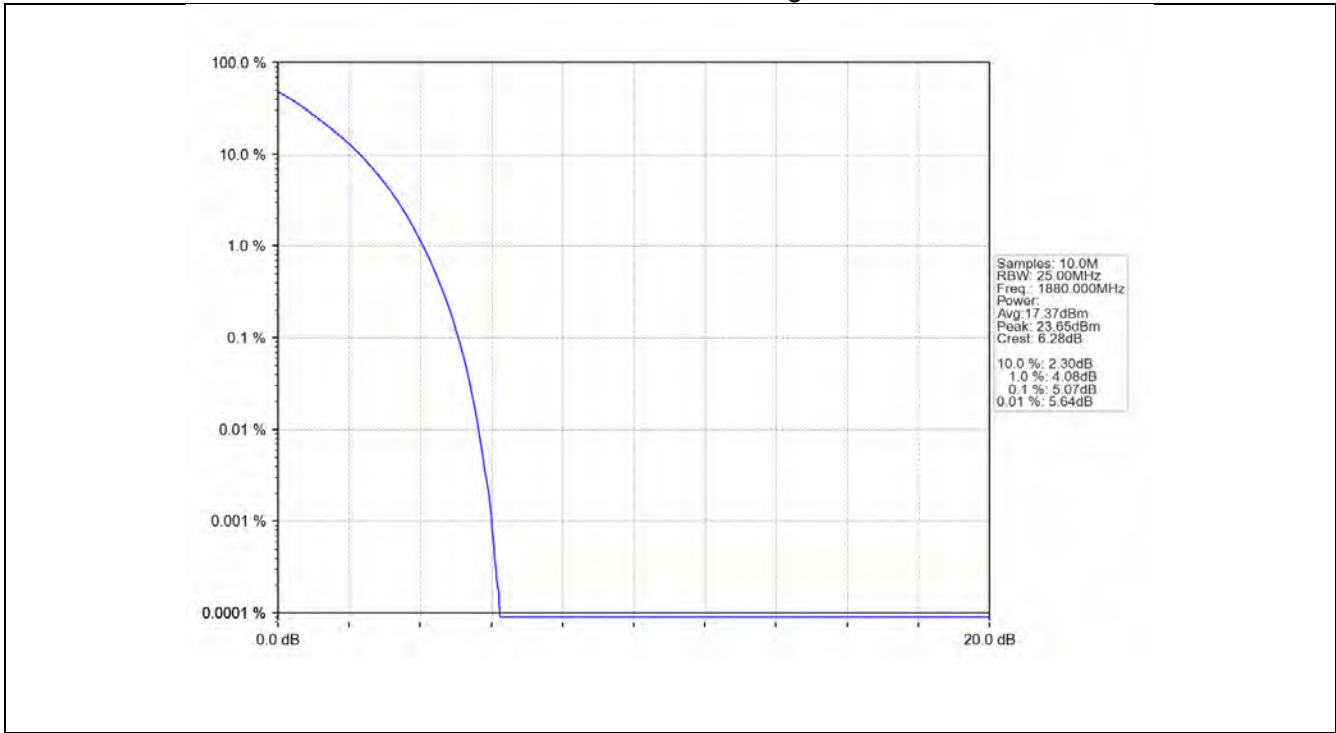
4.6.2 Test Graph



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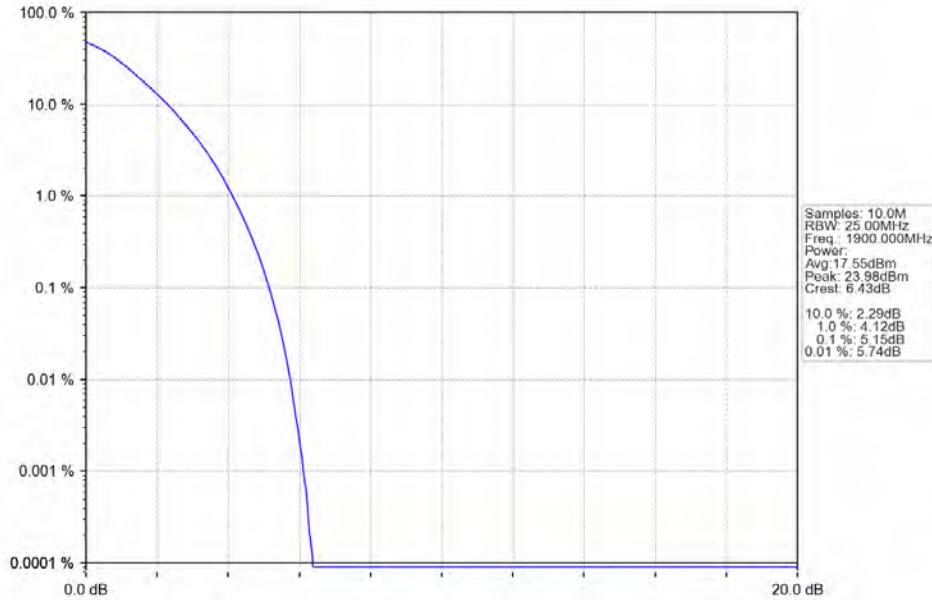


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Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV



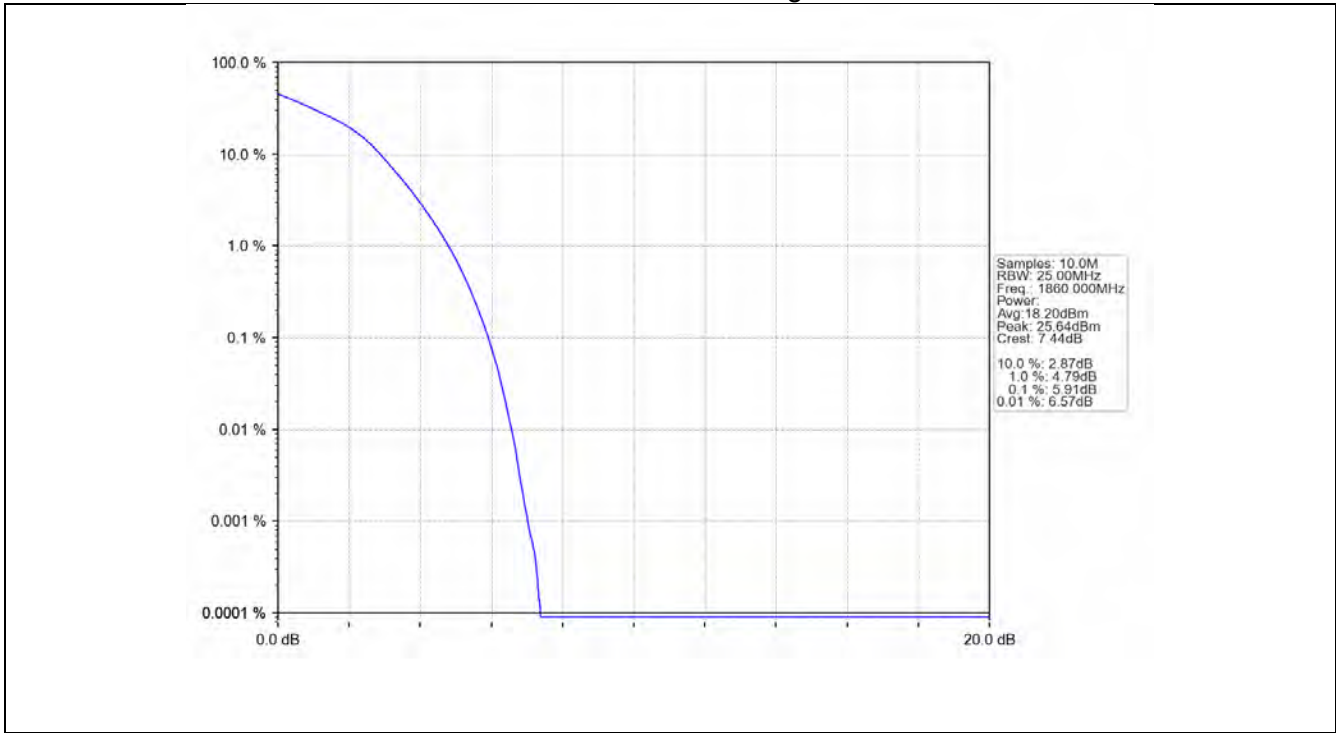
Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



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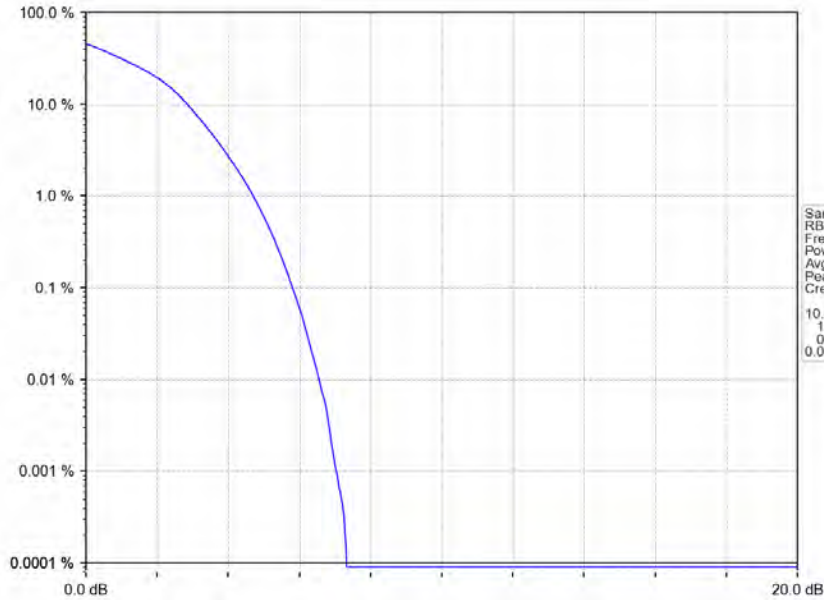


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Band2_20MHz_16QAM_MCH_1880MHz_RB_100_0_NTNV



Samples: 10.0M
 RBW: 25.00MHz
 Freq: 1880.000MHz
 Power:
 Avg: 16.40dBm
 Peak: 23.92dBm
 Crest: 7.52dB
 10.0 %: 2.85dB
 1.0 %: 4.70dB
 0.1 %: 5.81dB
 0.01 %: 6.55dB

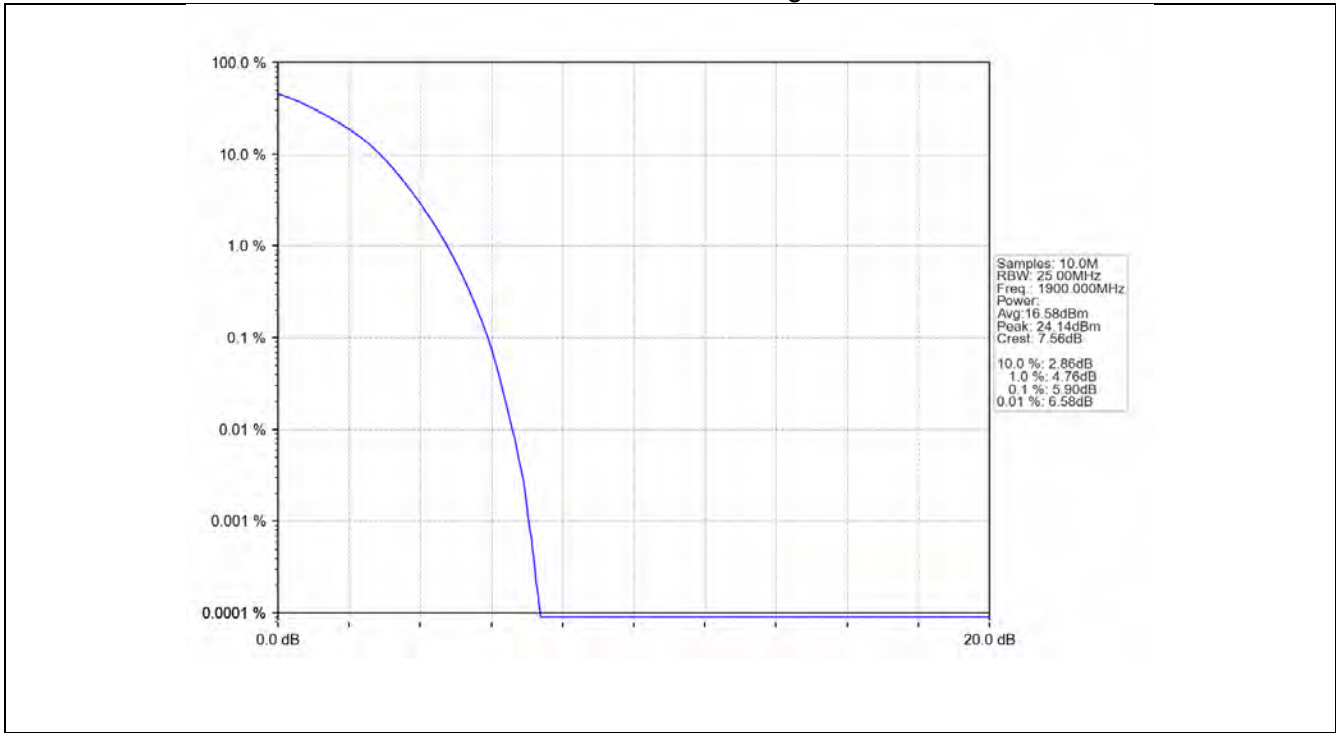
Band2_20MHz_16QAM_HCH_1900MHz_RB_100_0_NTNV



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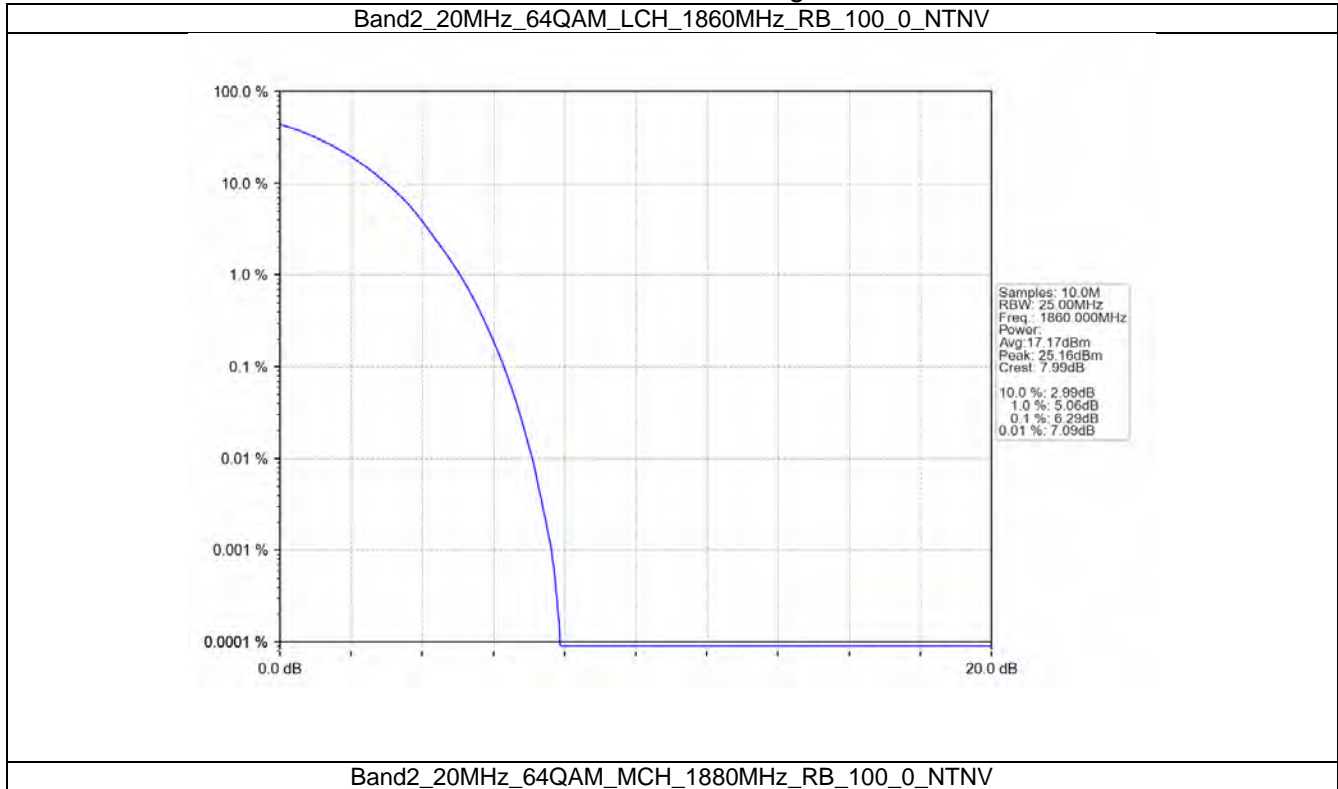
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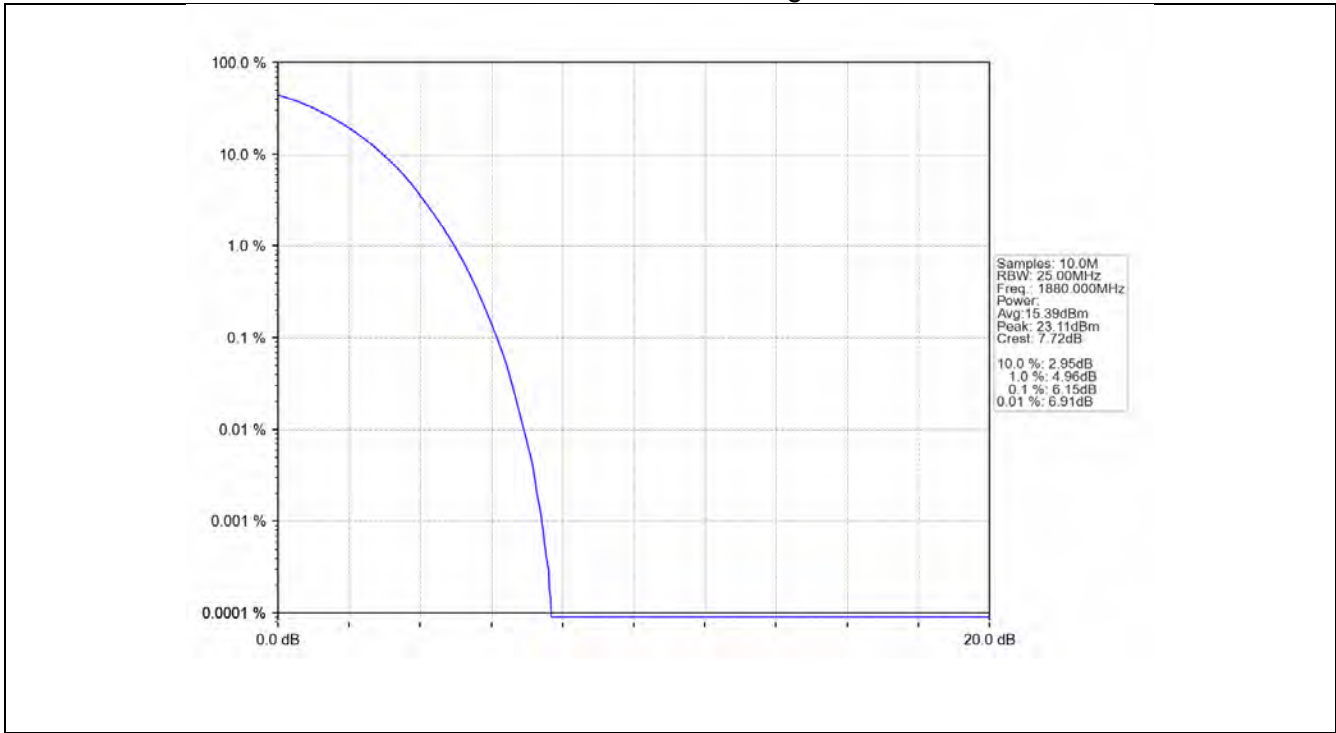
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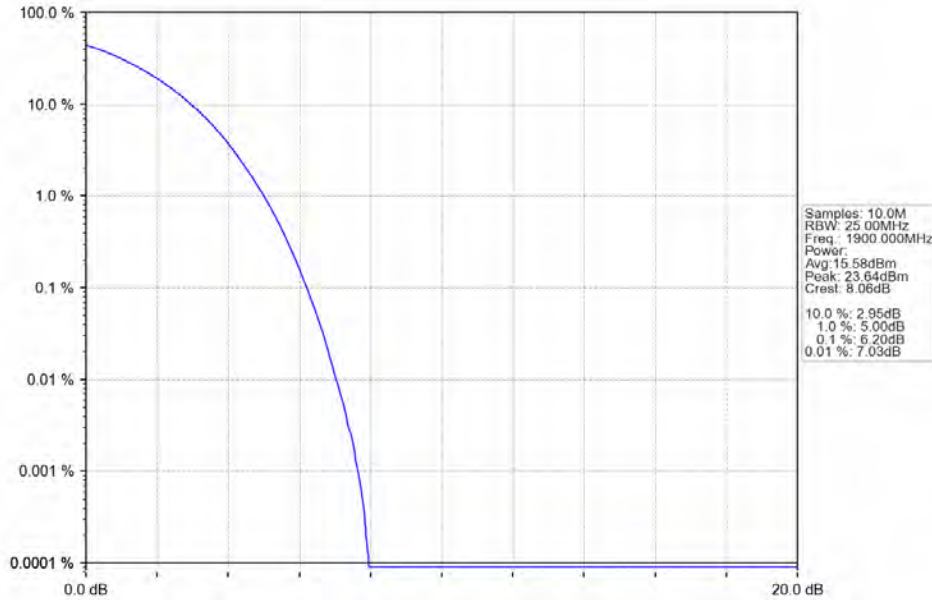


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Band2_20MHz_64QAM_HCH_1900MHz_RB_100_0_NTNV



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5. Spurious Emission & Band Edges

5.1 B2_1.4MHz

5.1.1 Test Result

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

5.2 B2_3MHz

5.2.1 Test Result

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



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5.3 B2_5MHz

5.3.1 Test Result

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

5.4 B2_10MHz

5.4.1 Test Result

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

5.5 B2_15MHz

5.5.1 Test Result

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



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Report No.: SUCR240200003402
Rev.: 01
Page: 198 of 261

5.6 B2_20MHz

5.6.1 Test Result

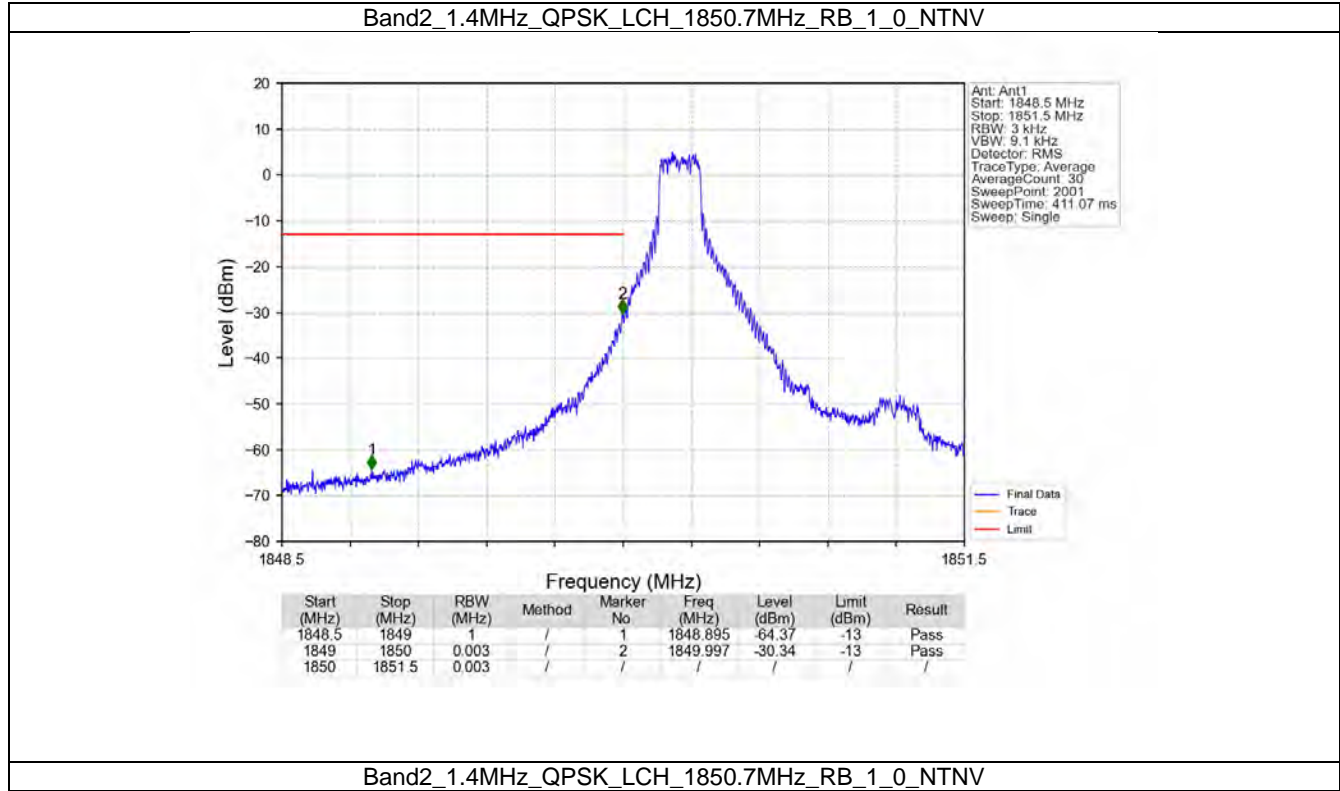
Table with columns: Modulation, Frequency (MHz), RB Allocation (Size, Offset), Spurious Emission (Result, Limit), and Verdict. Data includes QPSK modulation at 1860, 1880, and 1900 MHz with various RB allocations and 'Pass' verdicts.



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5.1 B2_1.4MHz

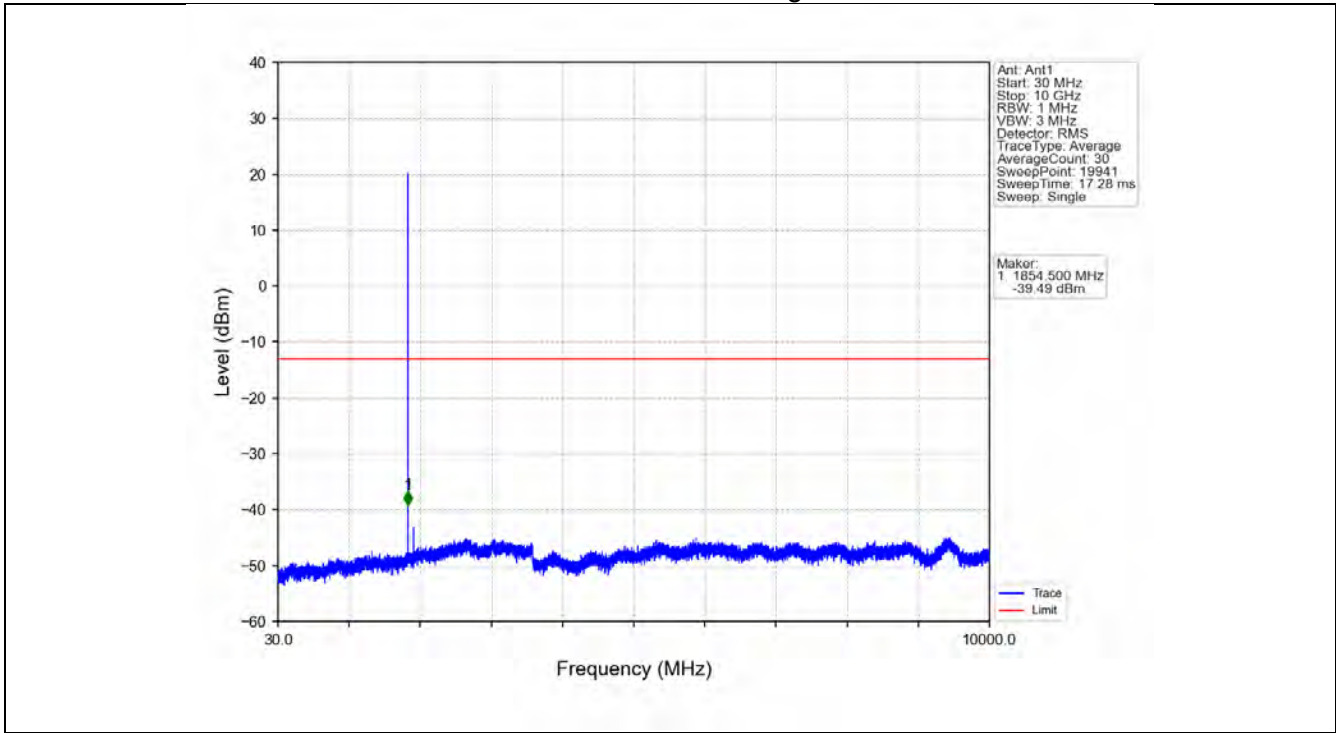
5.1.2 Test Graph



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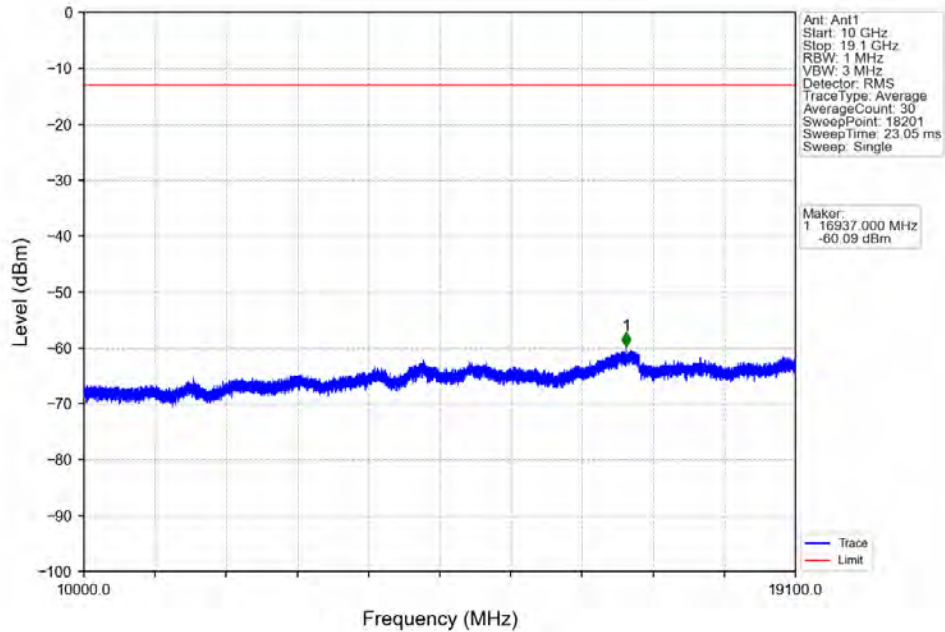


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Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



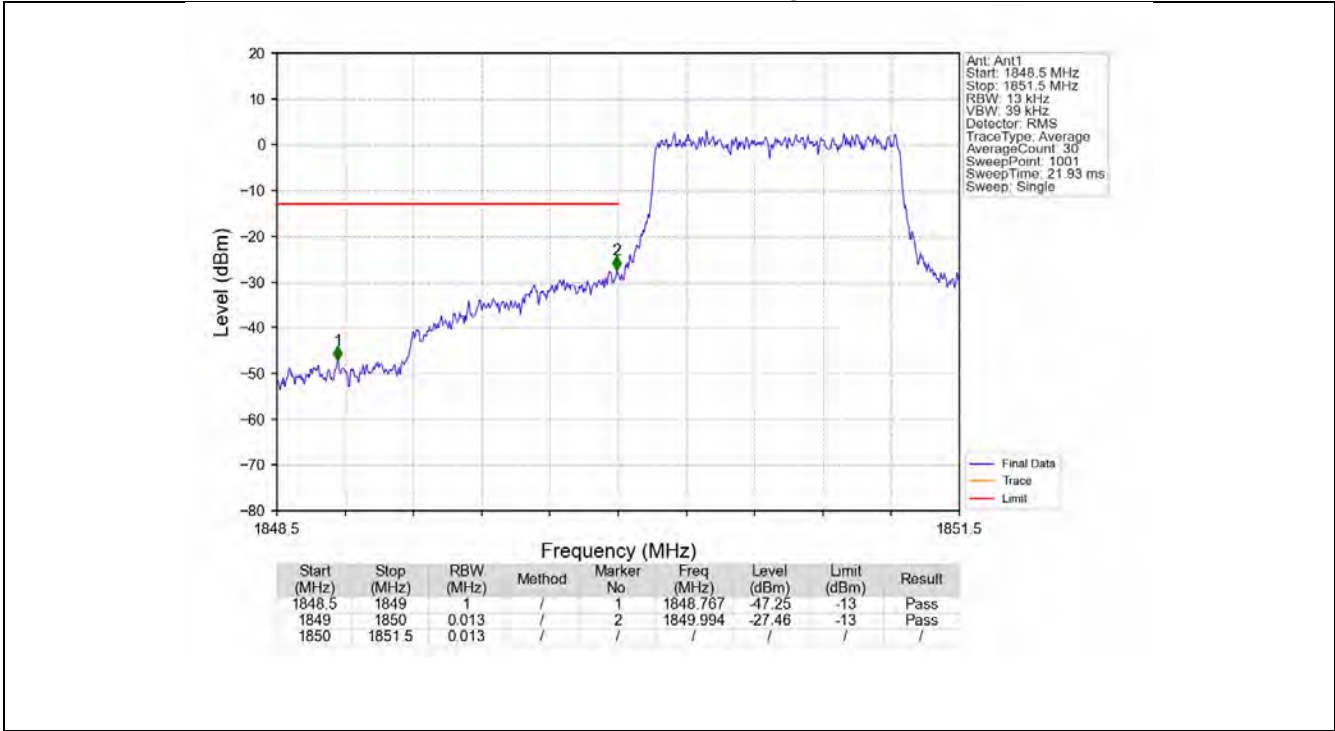
Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV



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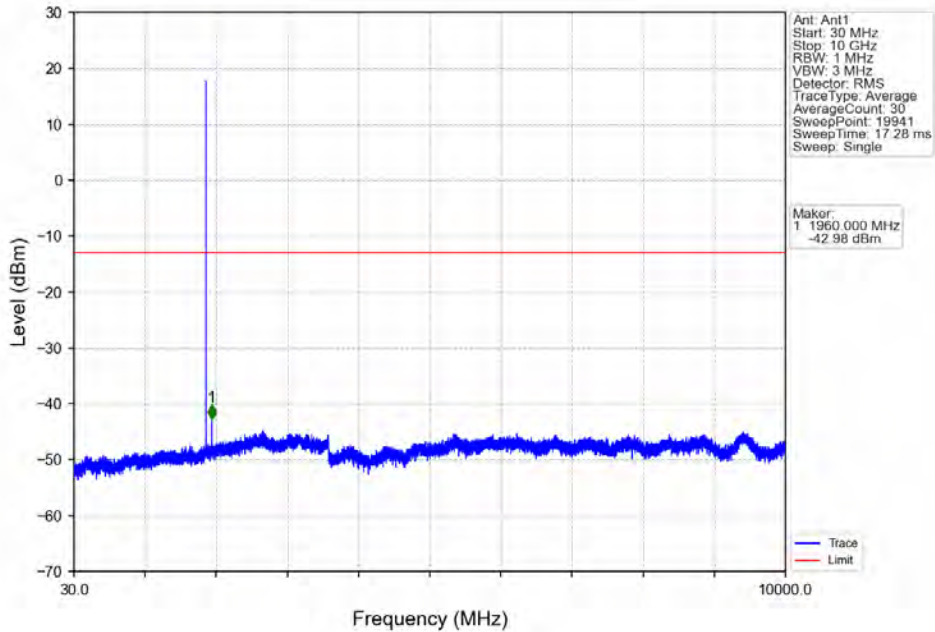


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Band2_1.4MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



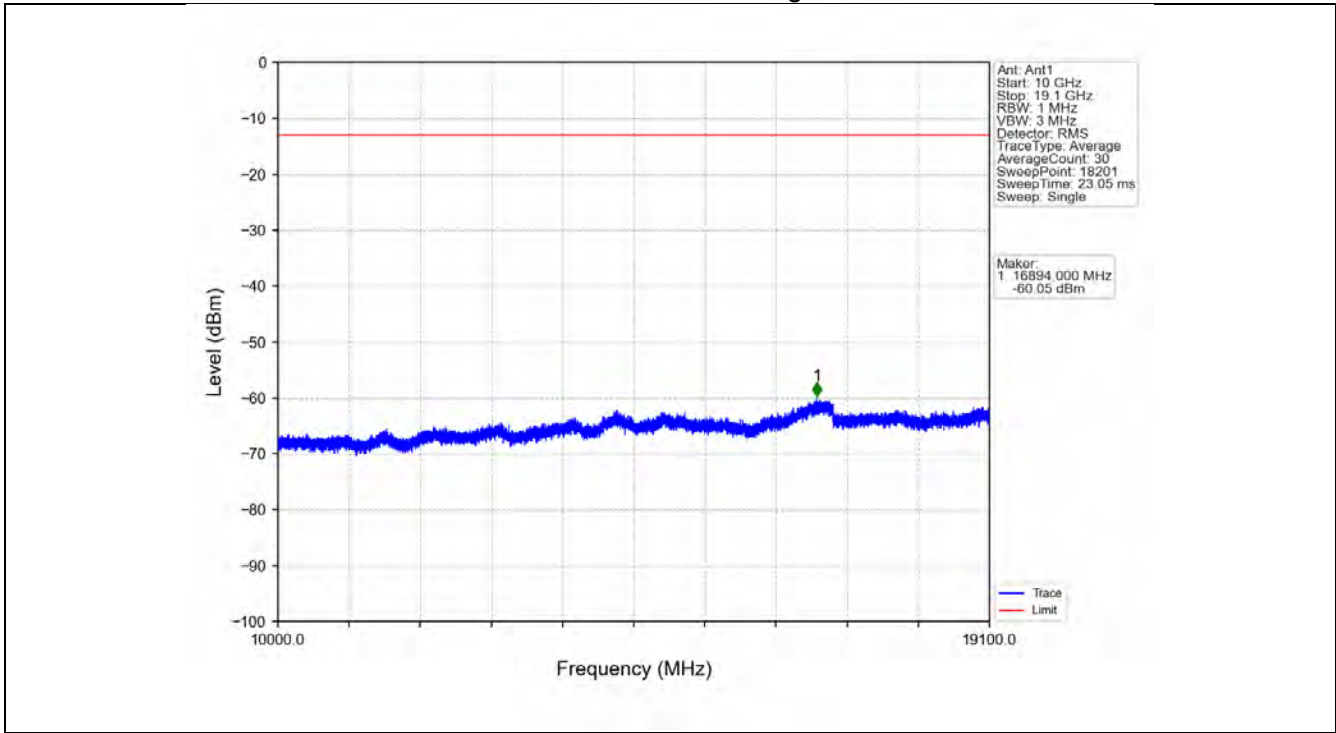
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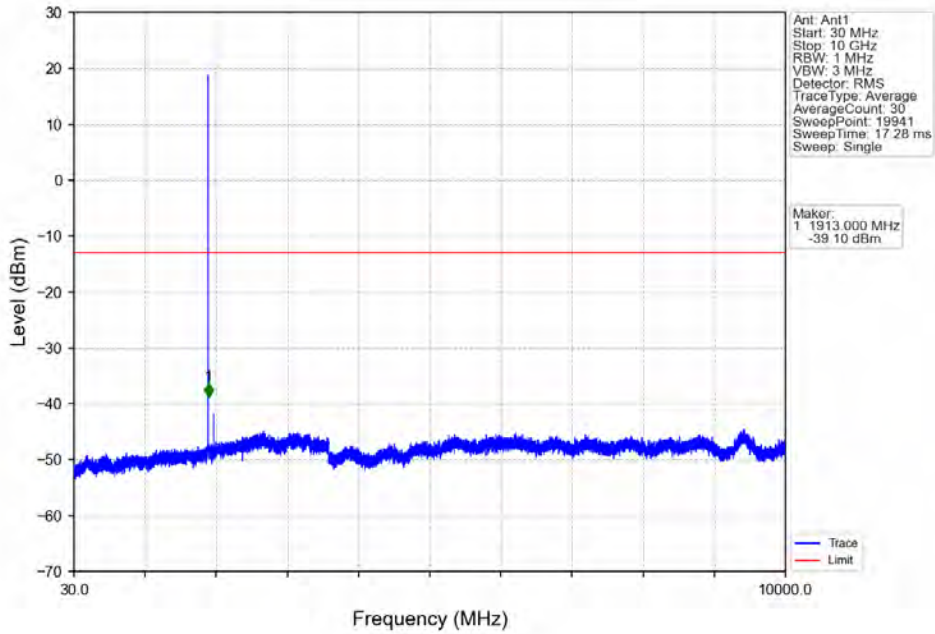
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Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV



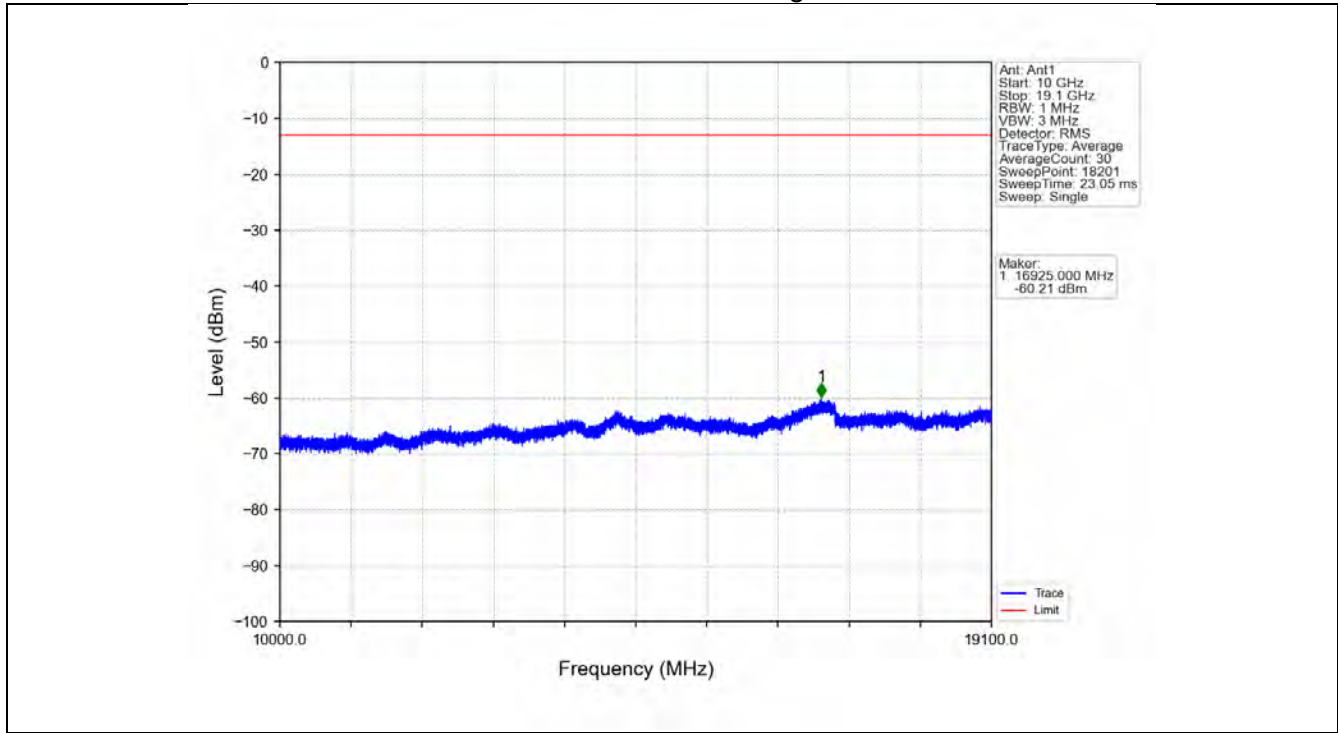
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV



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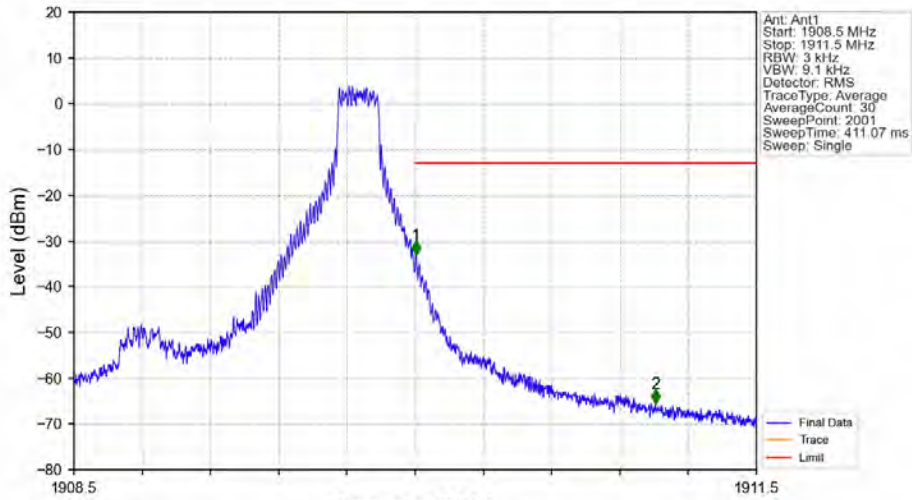
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Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1908.5	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.003	-33.06	-13	Pass
1911	1911.5	1	/	2	1911.056	-65.48	-13	Pass

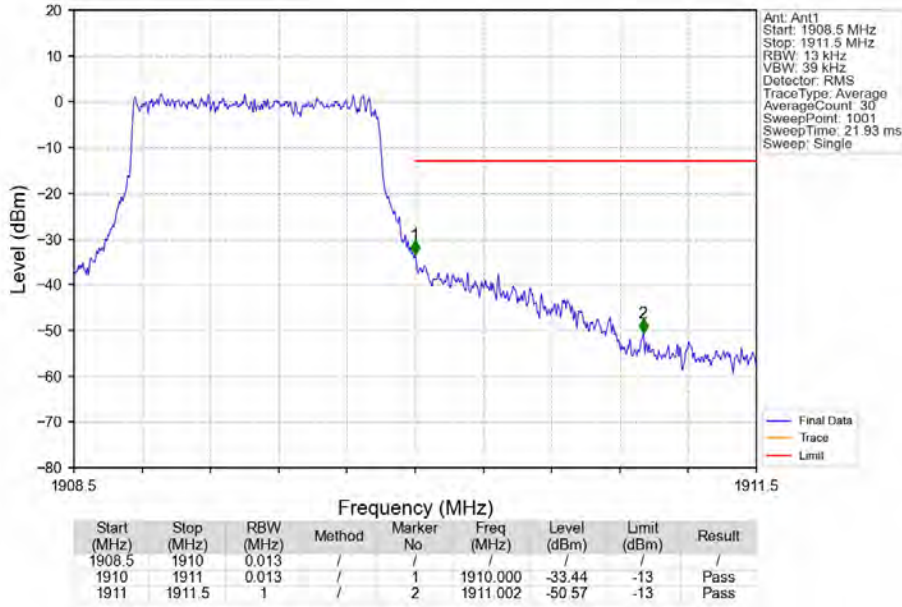
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



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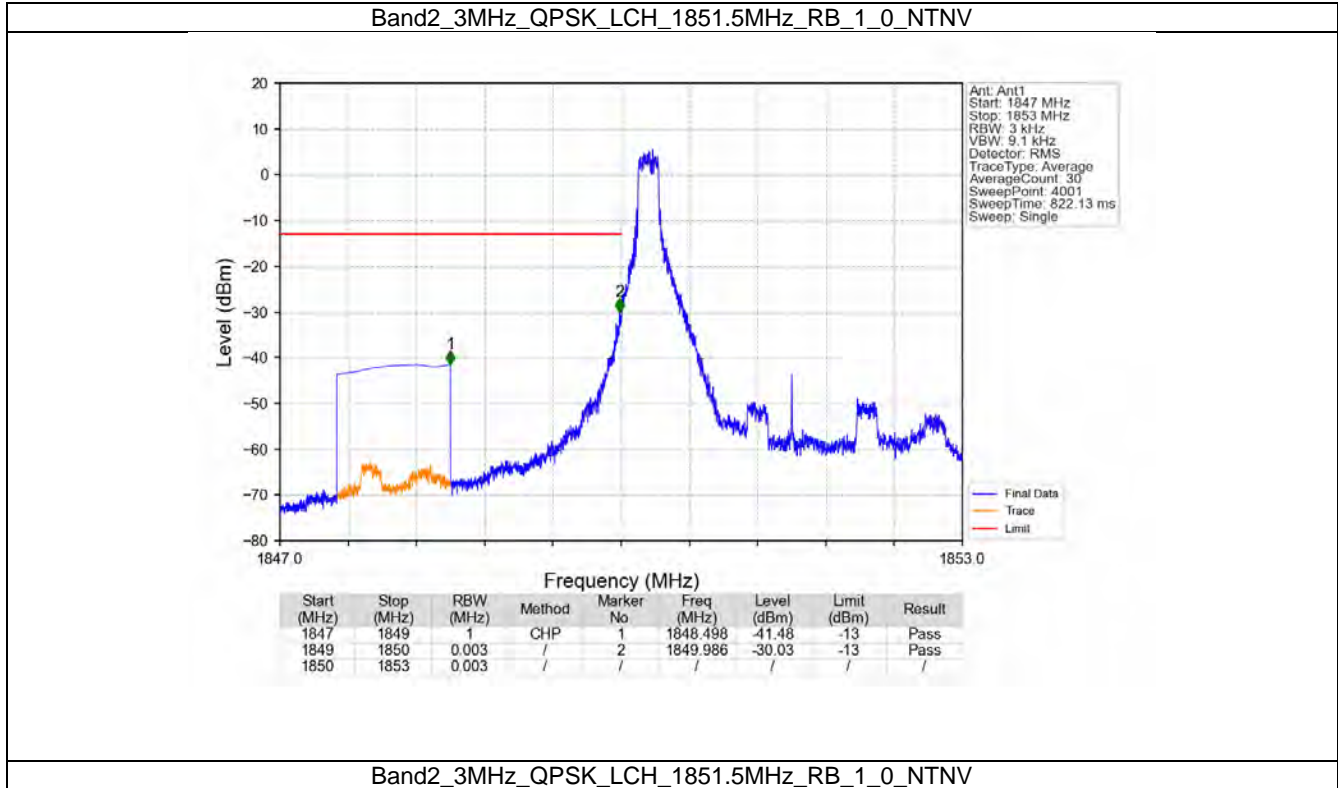
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5.2 B2_3MHz

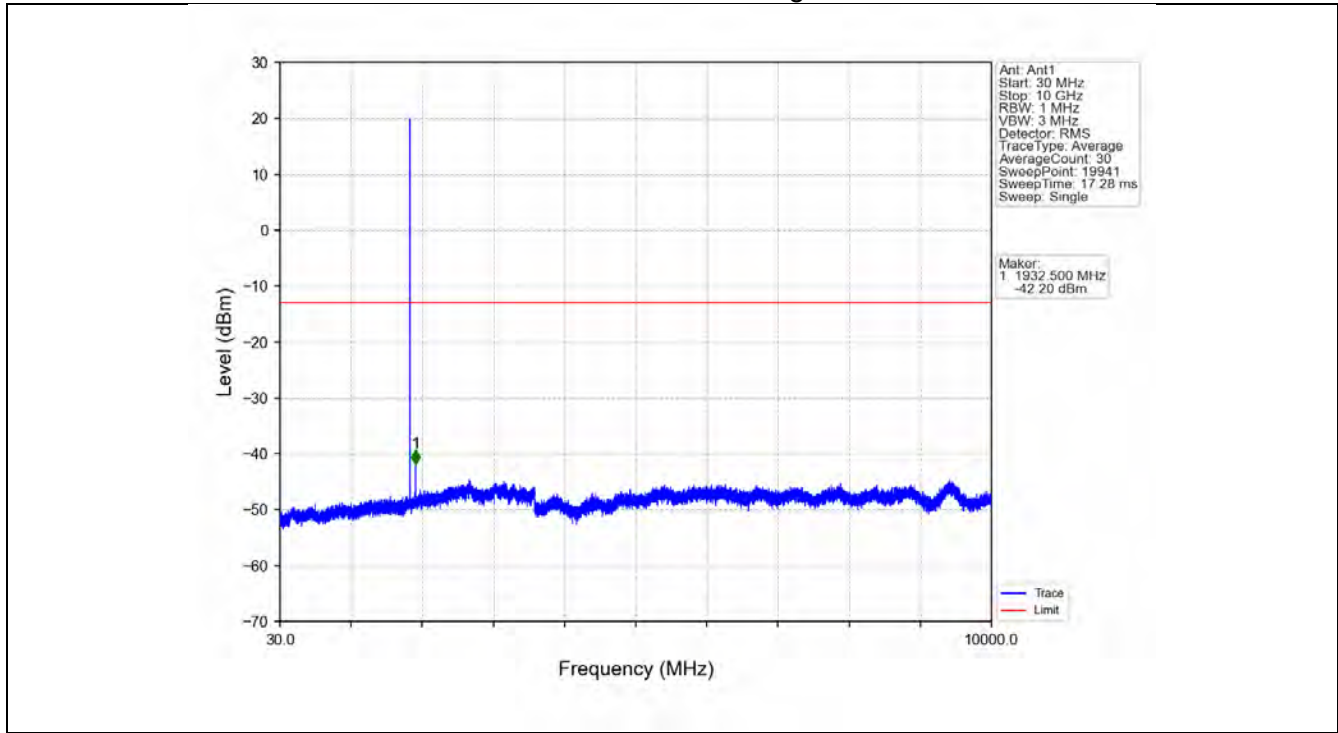
5.2.2 Test Graph



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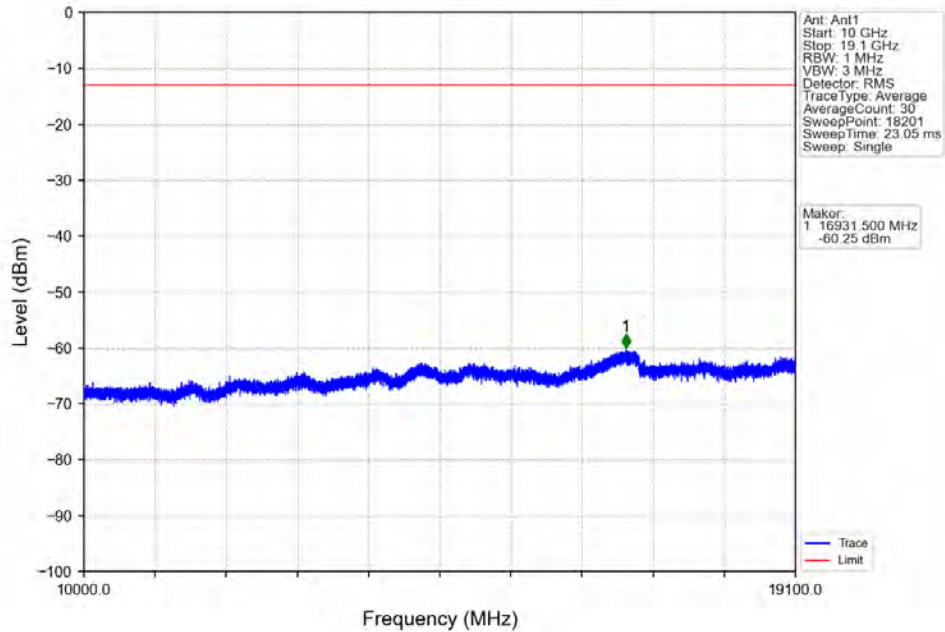


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Band2_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV



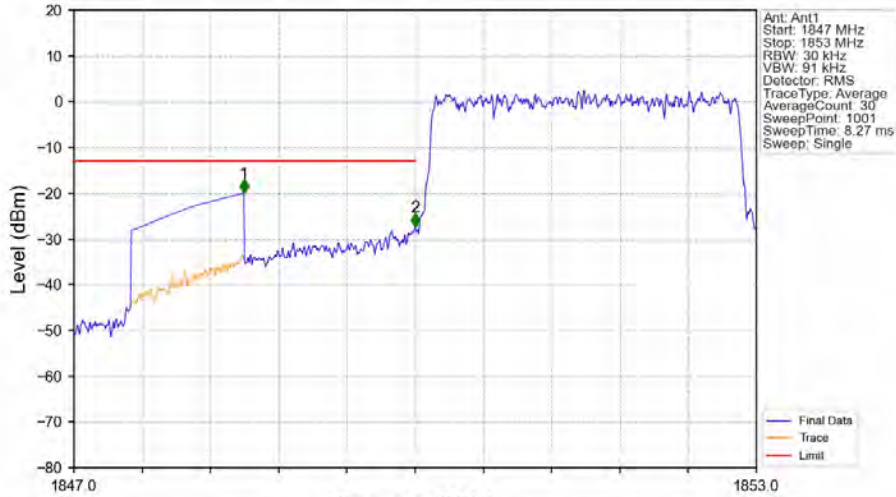
Band2_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.494	-20.00	-13	Pass
1849	1850	0.03	/	2	1850.000	-27.47	-13	Pass
1850	1853	0.03	/	/	/	/	/	/

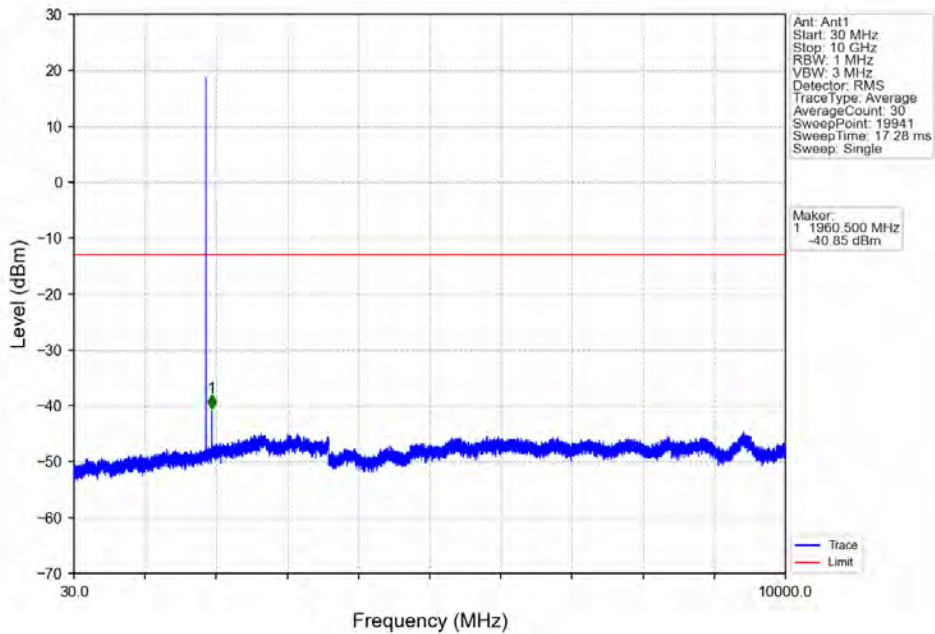


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Band2_3MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



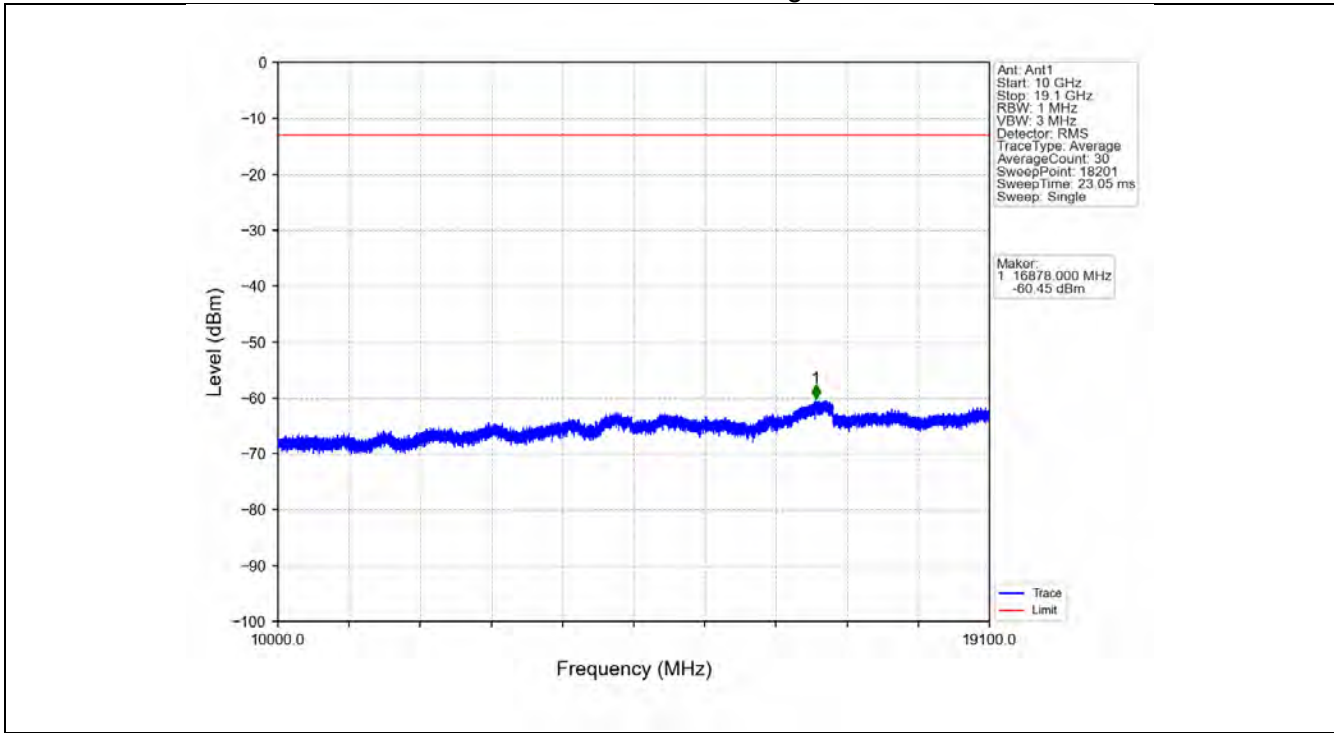
Band2_3MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



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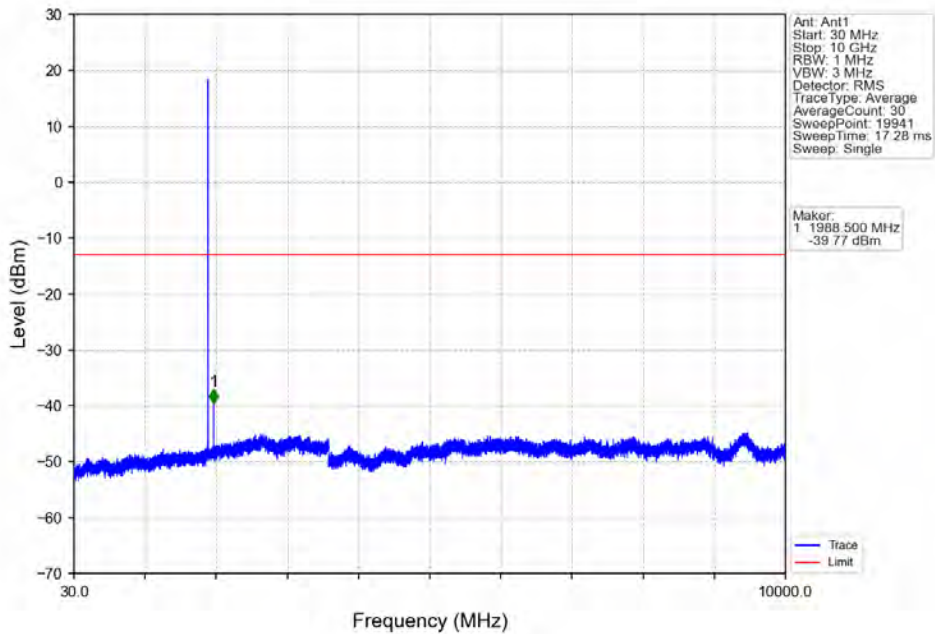
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Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_0_NTNV



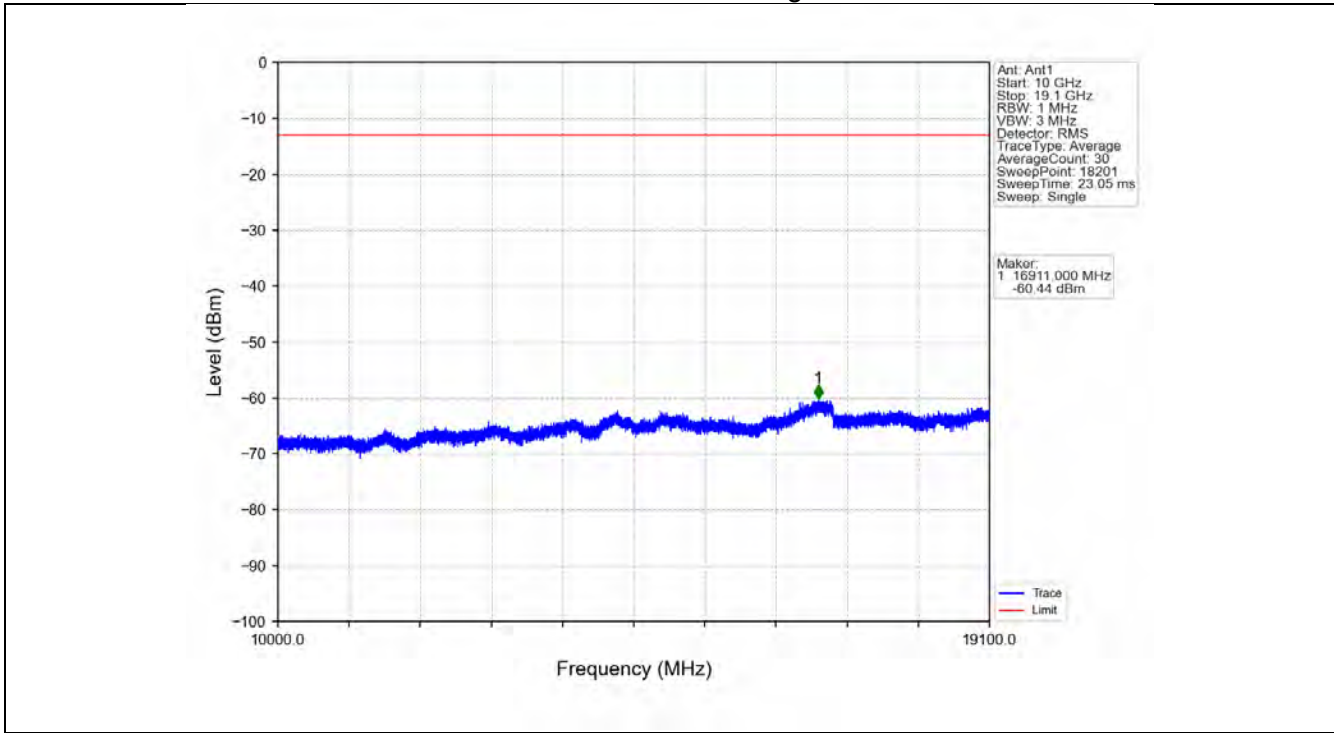
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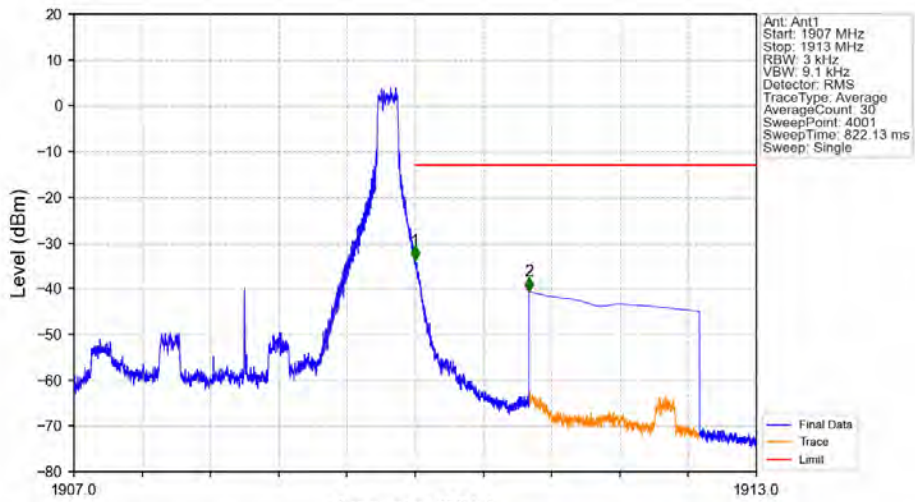


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Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.003	/	1	1910.000	-33.82	-13	Pass
1910	1911	0.003	/	1	1910.000	-33.82	-13	Pass
1911	1913	1	CHP	2	1911.001	-40.61	-13	Pass

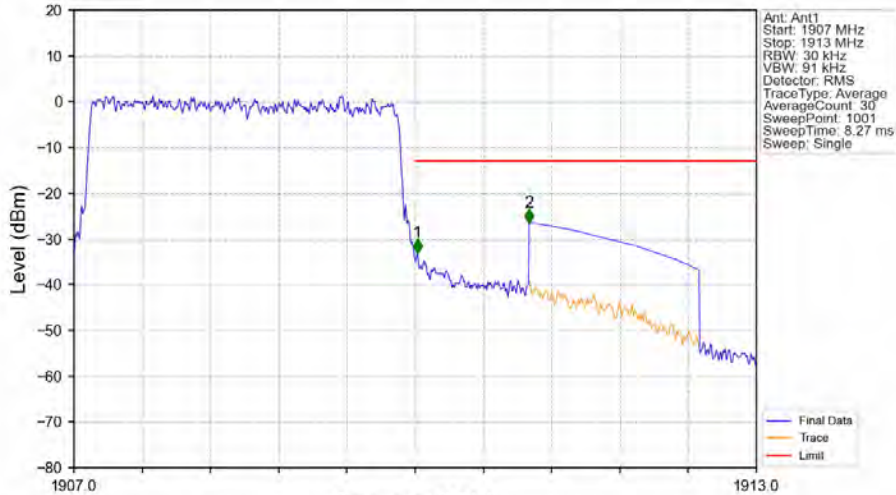
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.03	/	1	1910.018	-33.02	-13	Pass
1910	1911	0.03	/	2	1911.002	-26.47	-13	Pass
1911	1913	1	CHP					

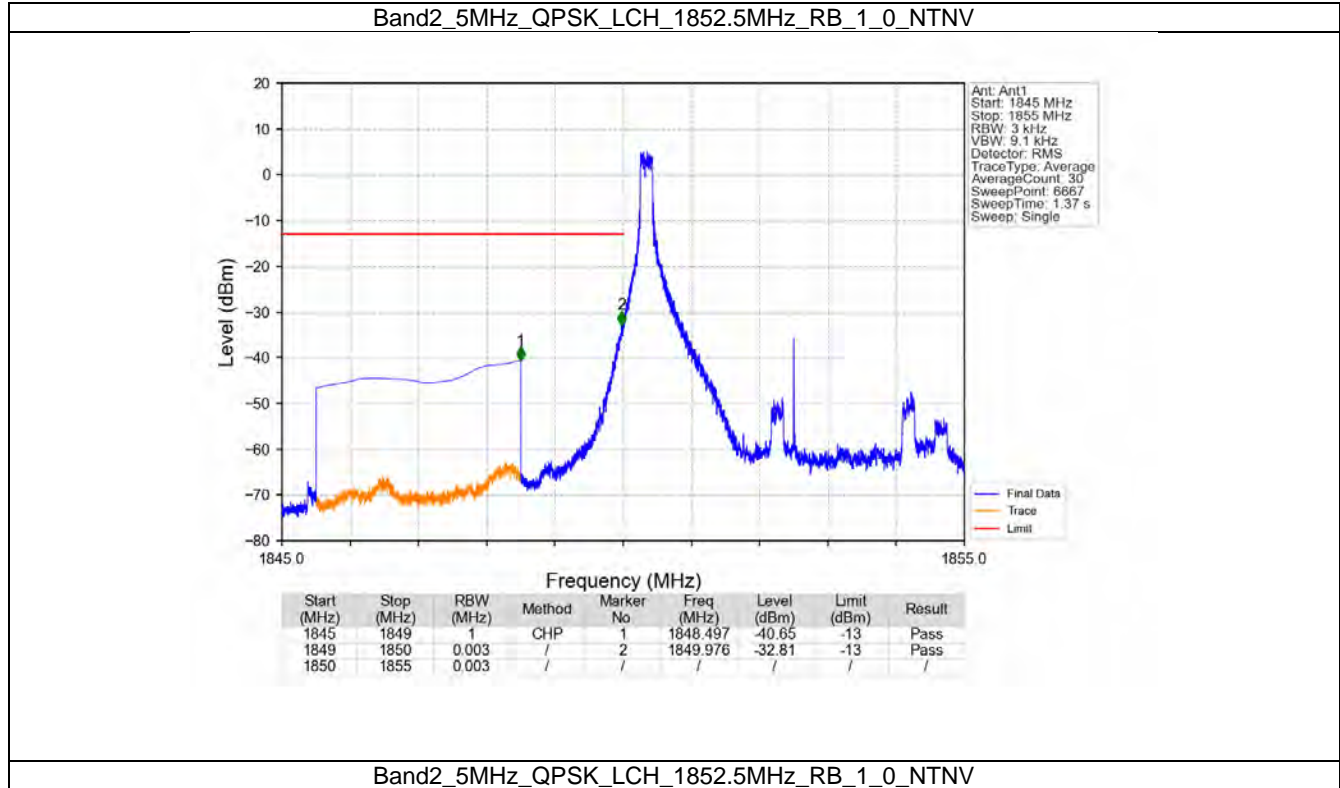


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5.3 B2_5MHz

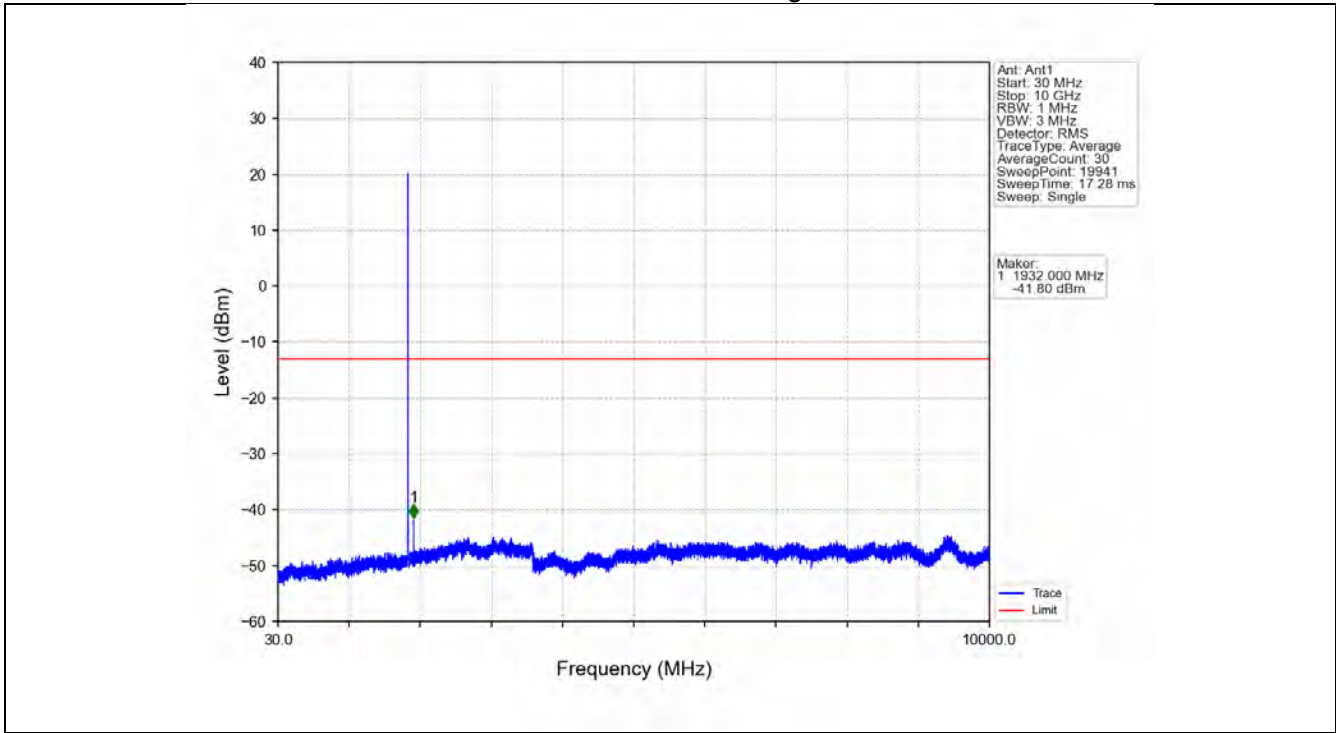
5.3.2 Test Graph



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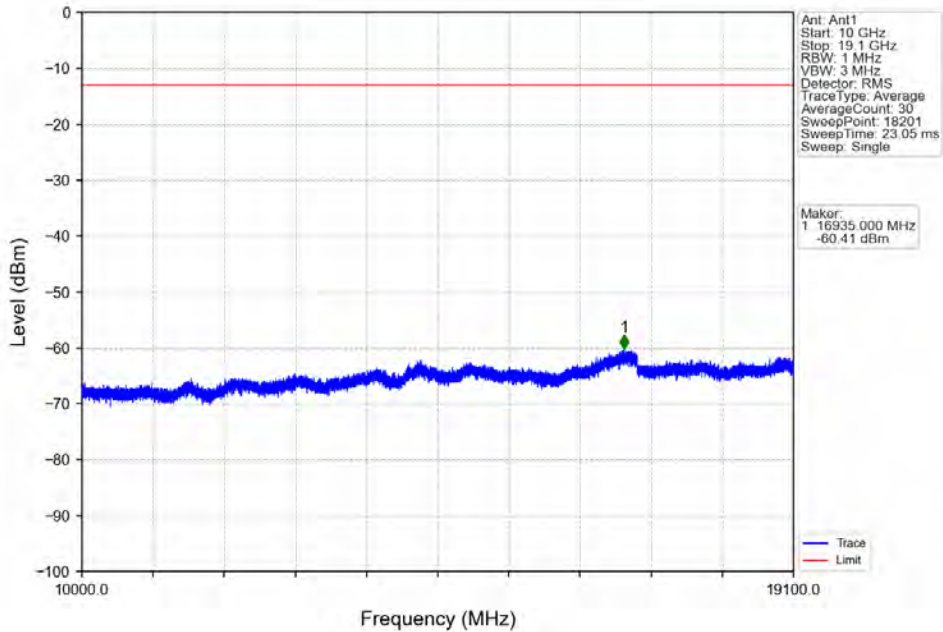


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Band2_5MHz_QPSK_LCH_1852.5MHz_RB_1_0_NTNV



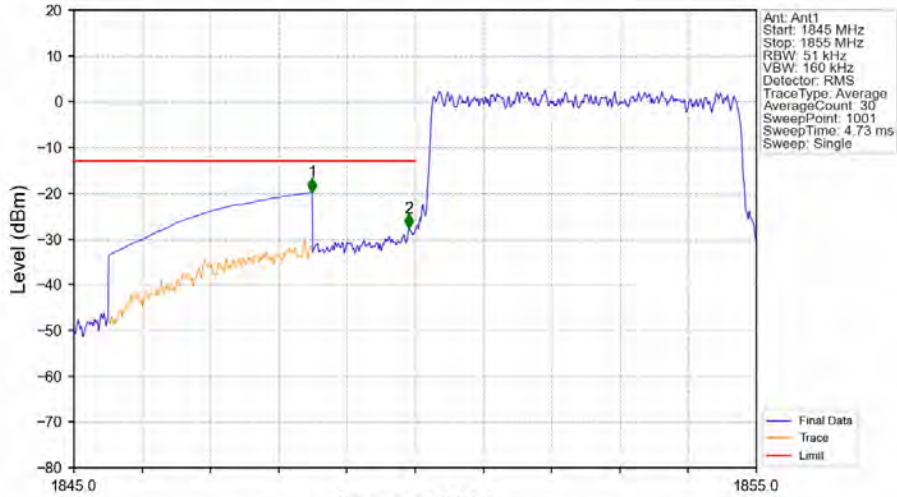
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.490	-19.79	-13	Pass
1849	1850	0.051	/	2	1849.910	-27.57	-13	Pass
1850	1855	0.051	/	/	/	/	/	/

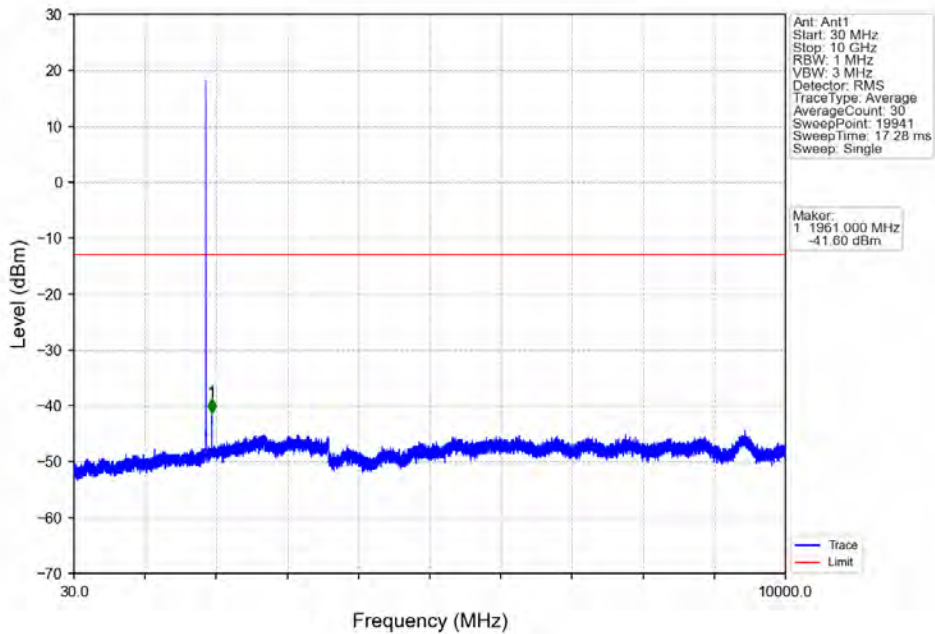


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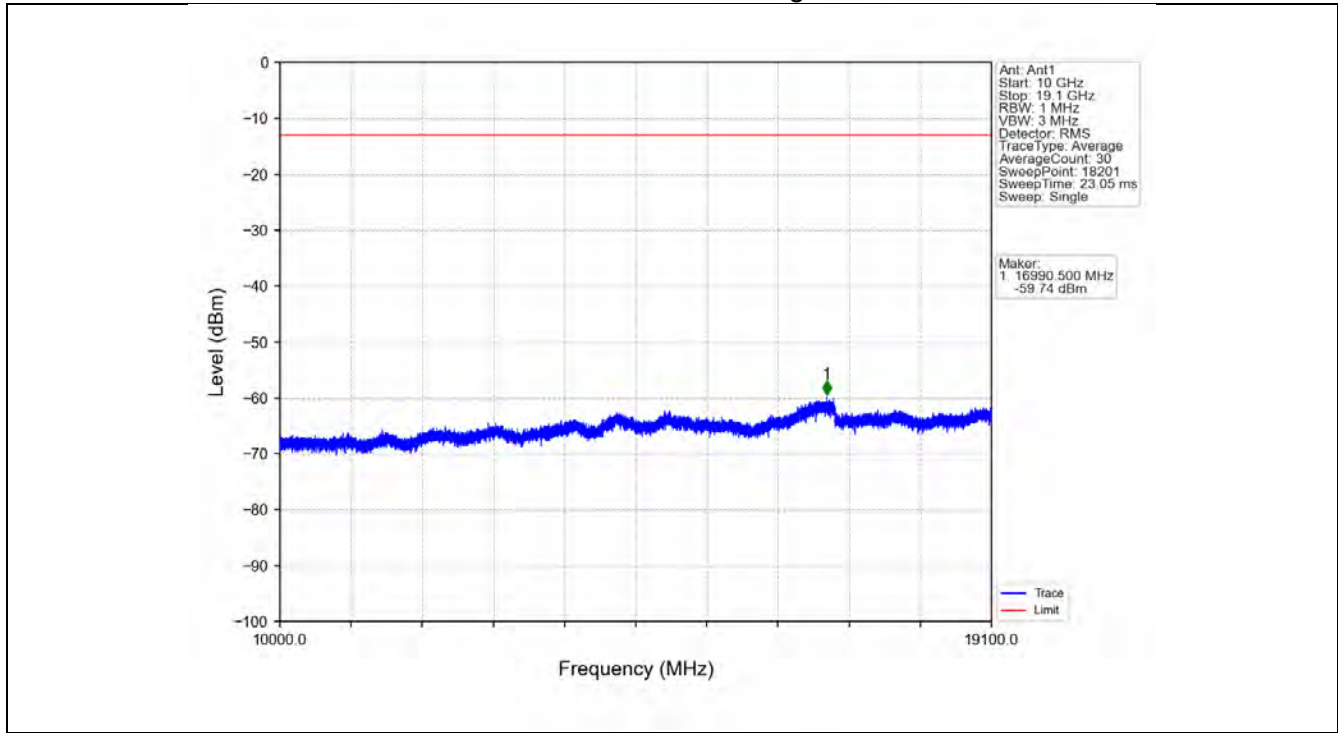
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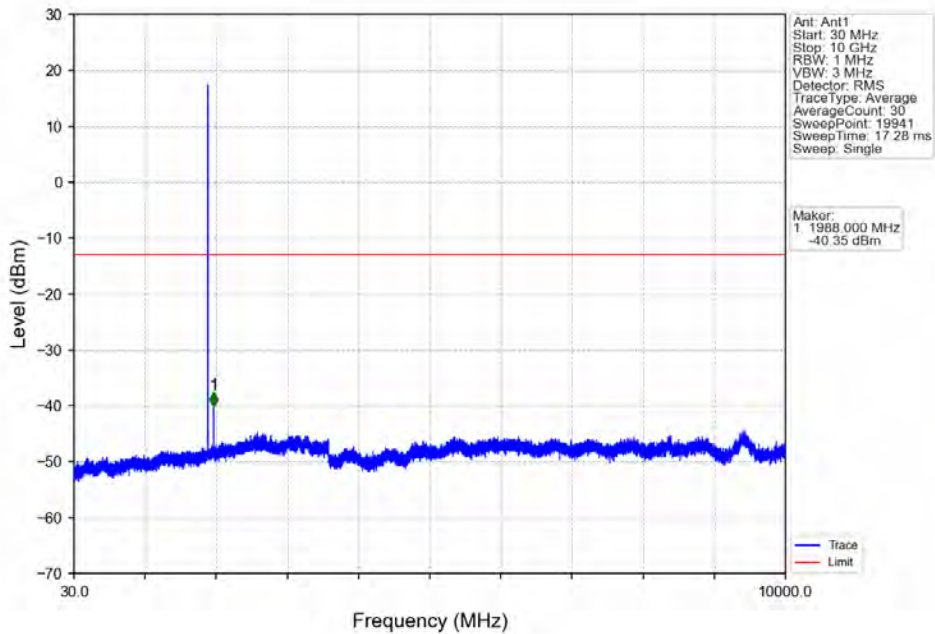
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Band2_5MHz_QPSK_HCH_1907.5MHz_RB_1_0_NTNV



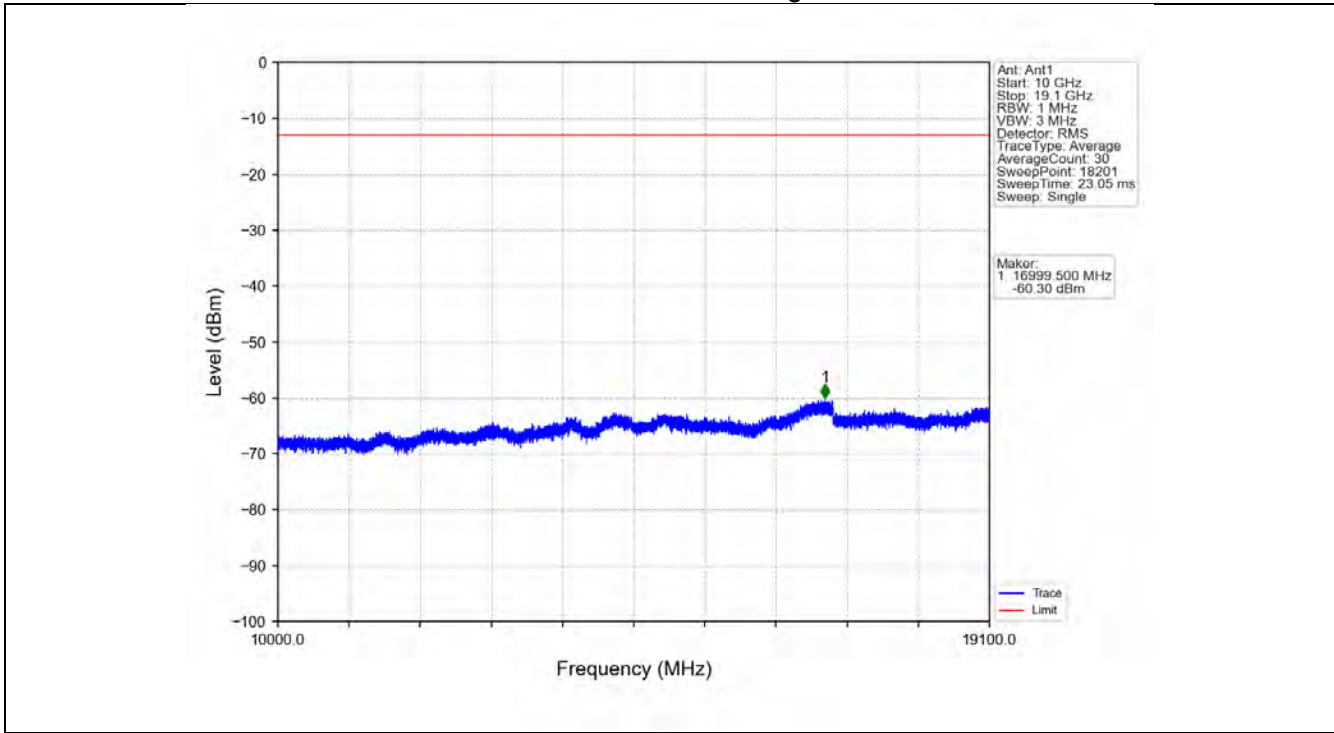
Band2_5MHz_QPSK_HCH_1907.5MHz_RB_1_0_NTNV



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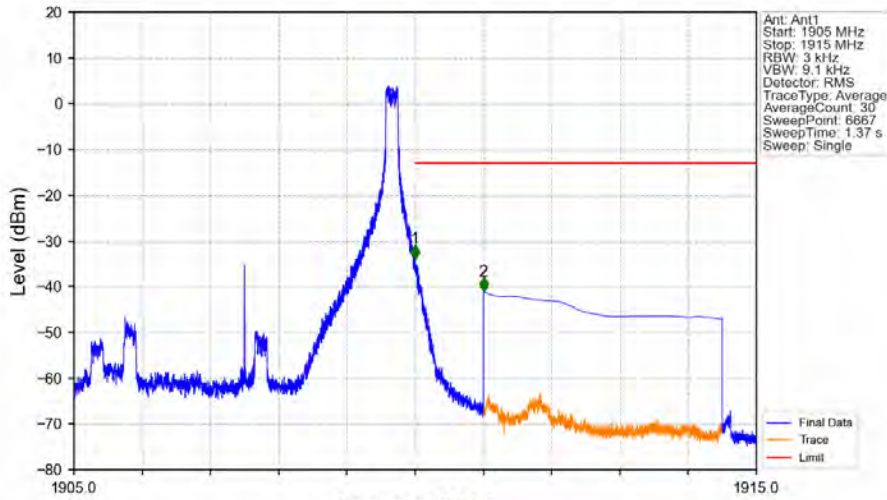
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Band2_5MHz_QPSK_HCH_1907.5MHz_RB_1_24_NTNV



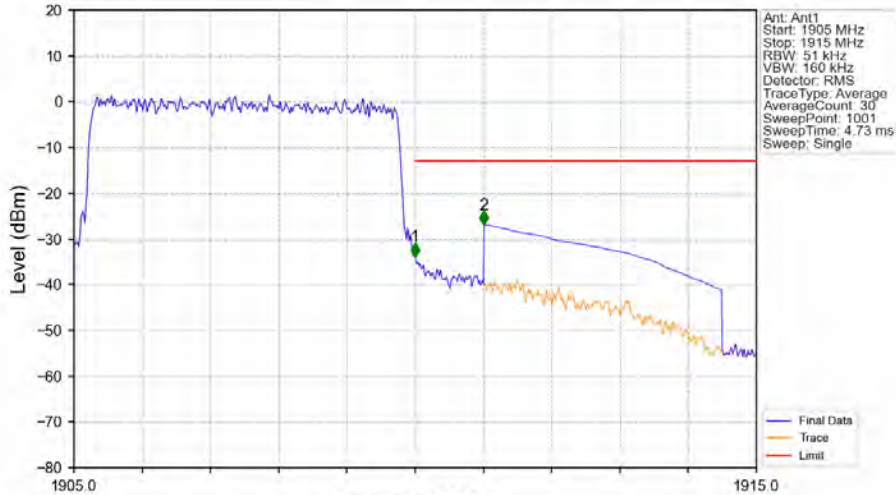
Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1910	0.051	/	1	1910.000	-33.90	-13	Pass
1910	1911	0.051	/	1	1910.000	-33.90	-13	Pass
1911	1915	1	CHP	2	1911.010	-26.92	-13	Pass



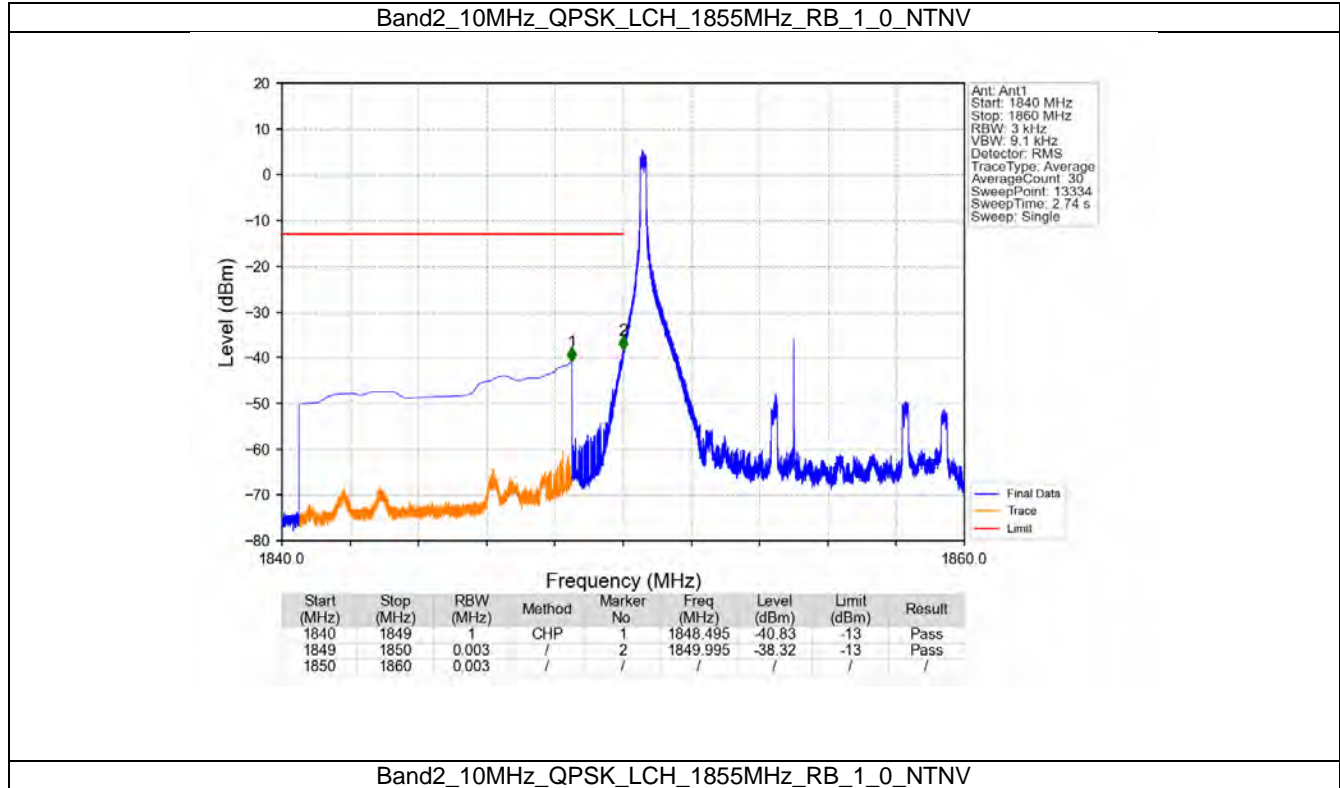
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5.4 B2_10MHz

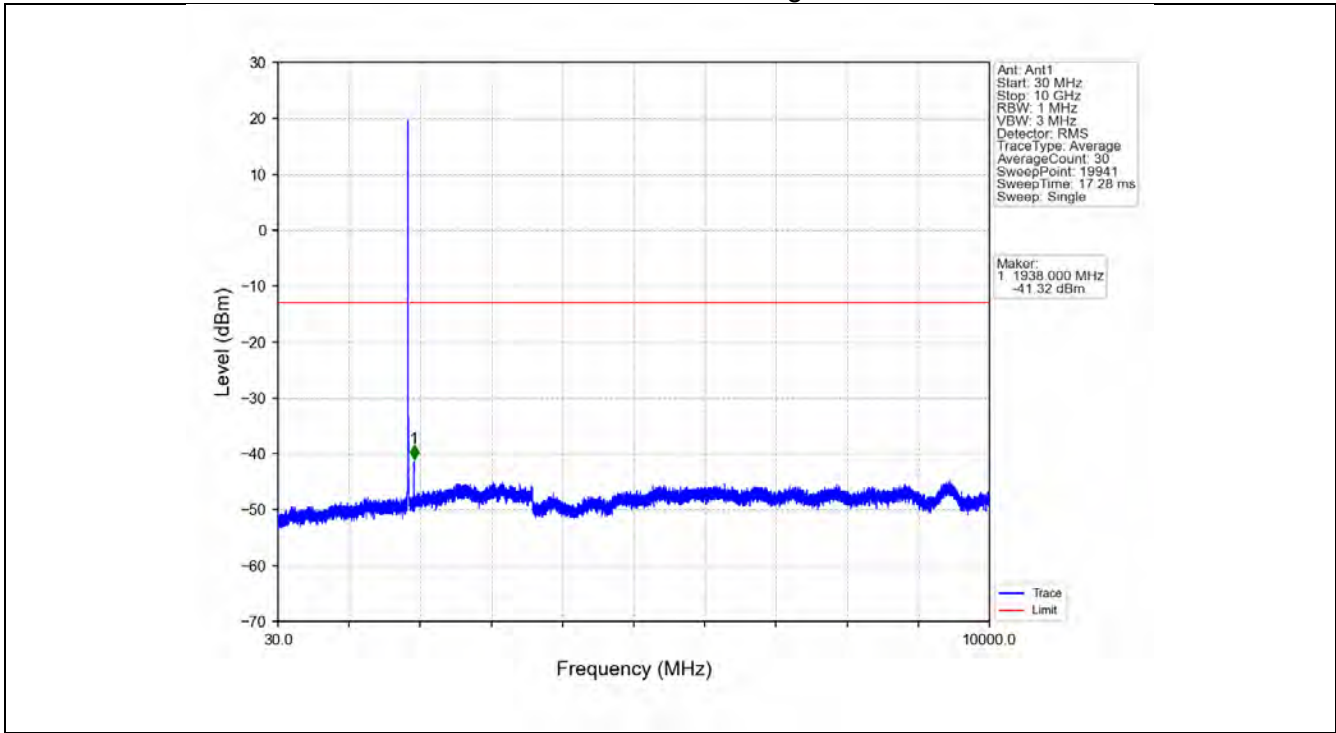
5.4.2 Test Graph



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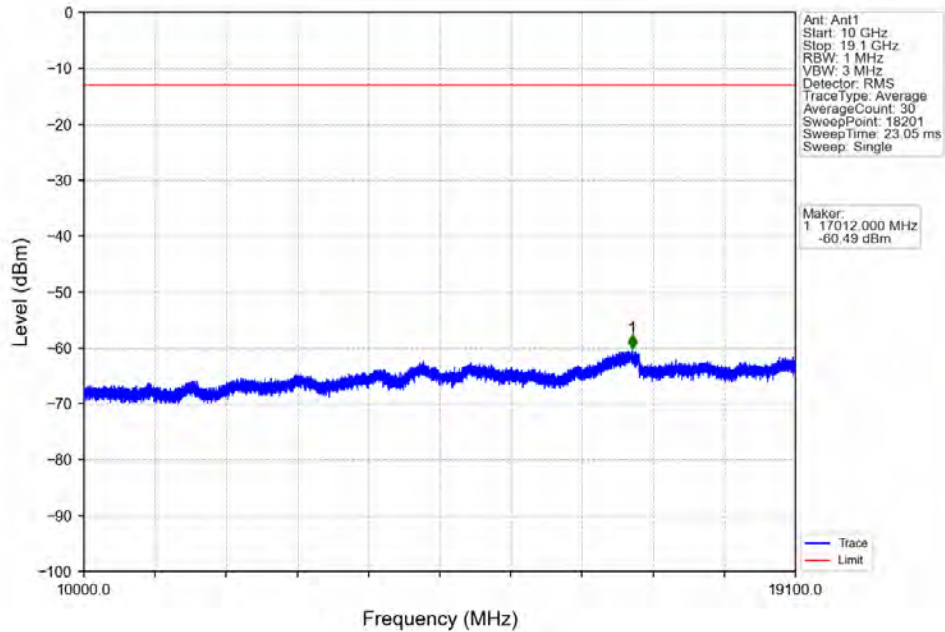


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Band2_10MHz_QPSK_LCH_1855MHz_RB_1_0_NTNV



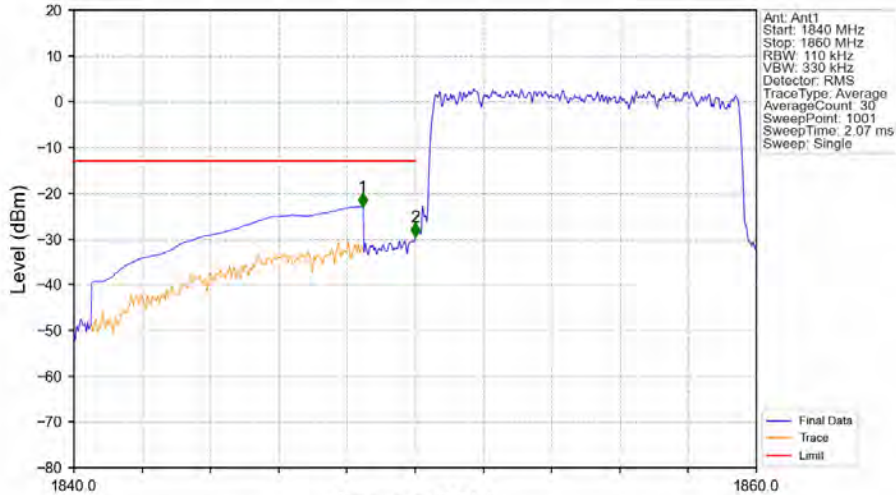
Band2_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1840	1849	1	CHP	1	1848.460	-22.98	-13	Pass
1849	1850	0.11	/	2	1850.000	-29.53	-13	Pass
1850	1860	0.11	/	/	/	/	/	/

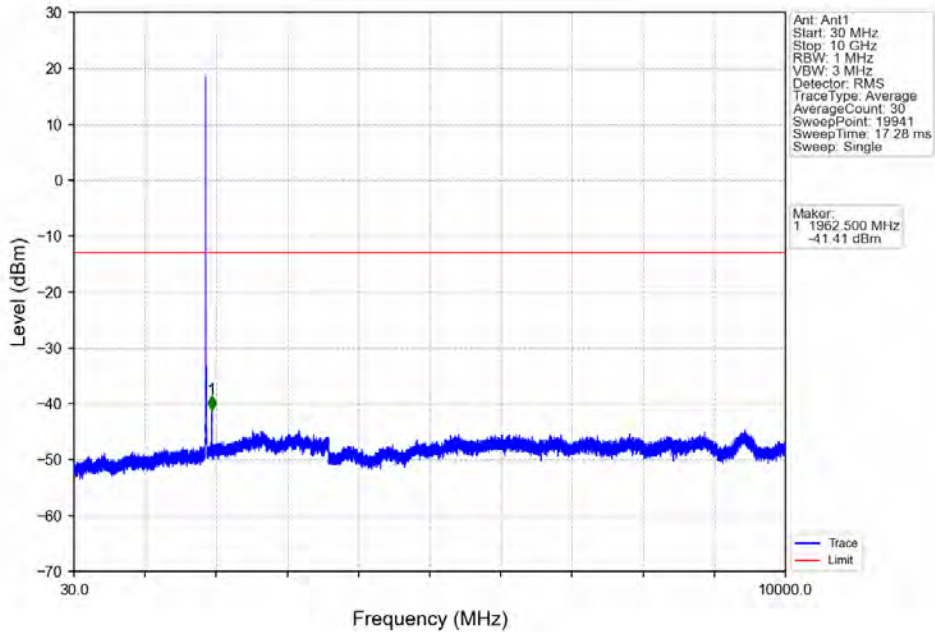


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Band2_10MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV

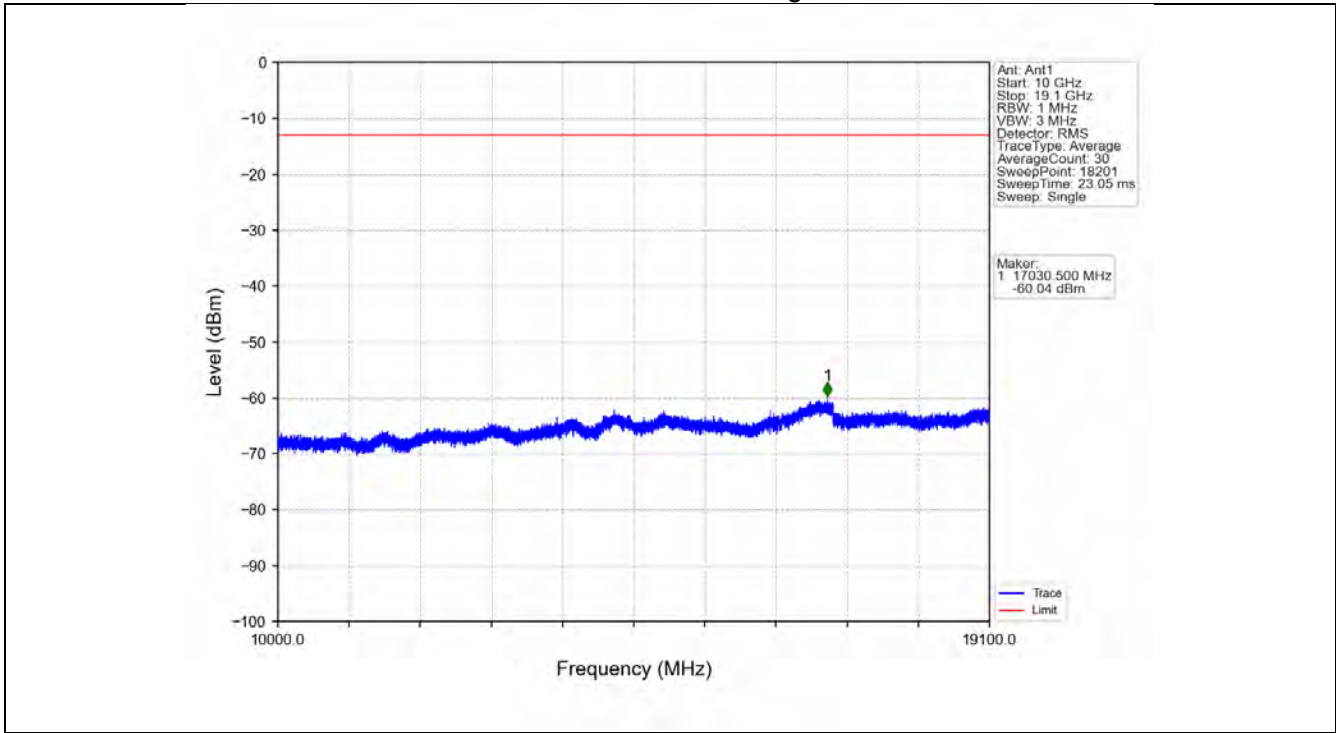


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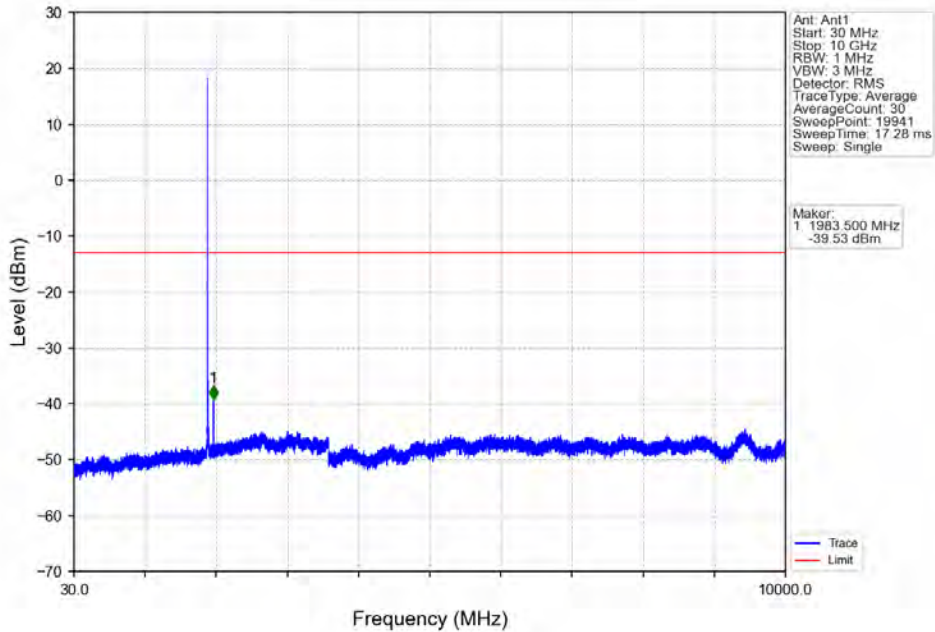


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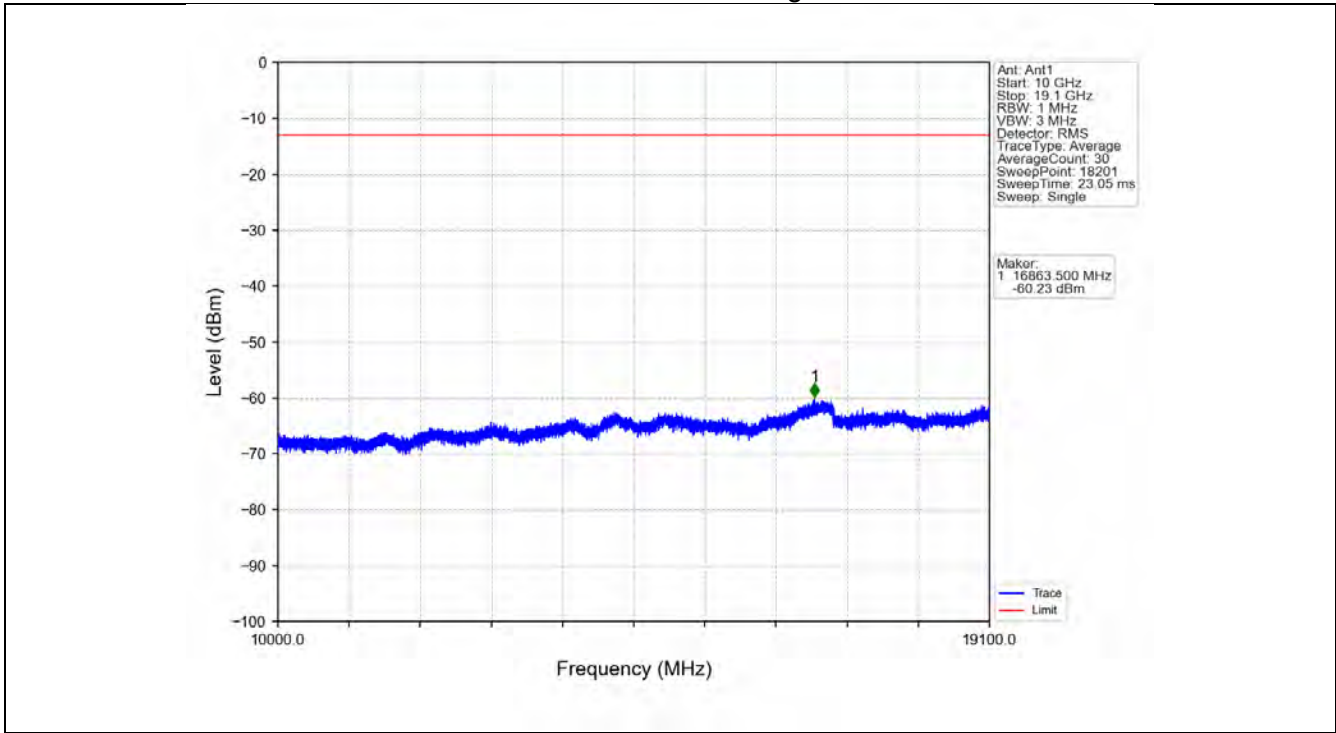
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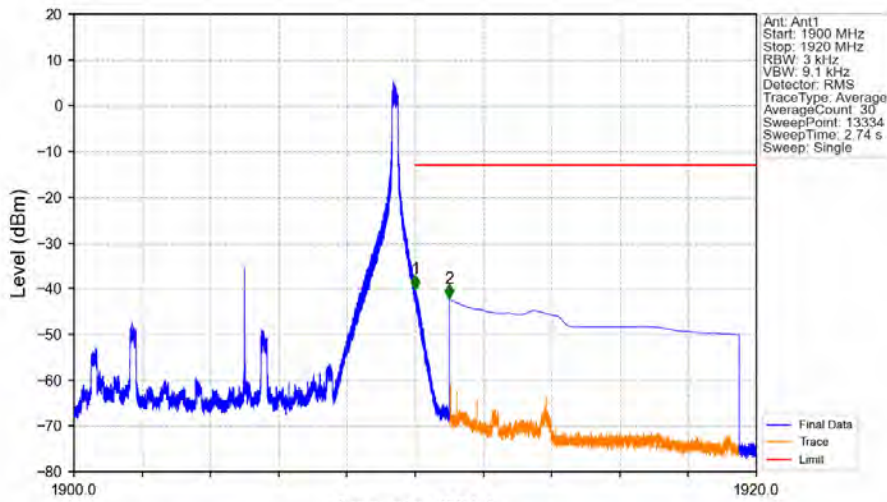
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Band2_10MHz_QPSK_HCH_1905MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1910	0.003	/	1	1910.002	-40.05	-13	Pass
1910	1911	0.003	/	1	1910.002	-40.05	-13	Pass
1911	1920	1	CHP	2	1911.001	-42.04	-13	Pass

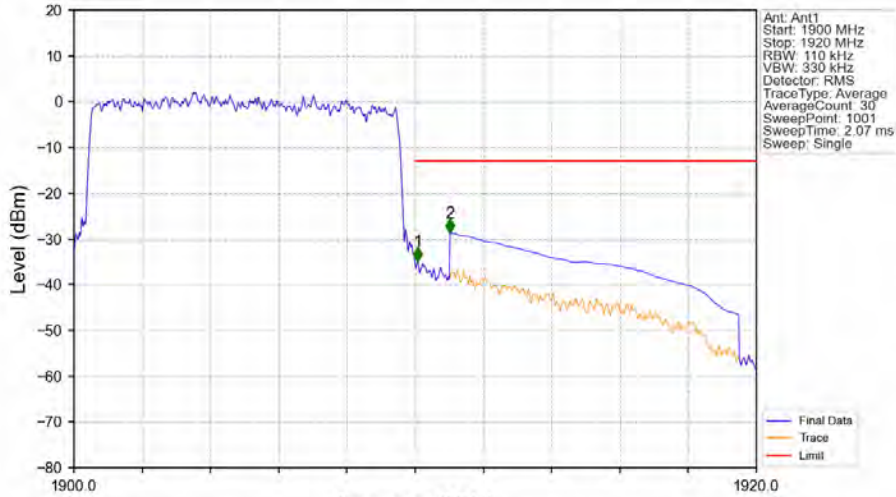
Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1910	0.11	/	/	/	/	/	/
1910	1911	0.11	/	1	1910.080	-34.92	-13	Pass
1911	1920	1	CHP	2	1911.020	-28.71	-13	Pass



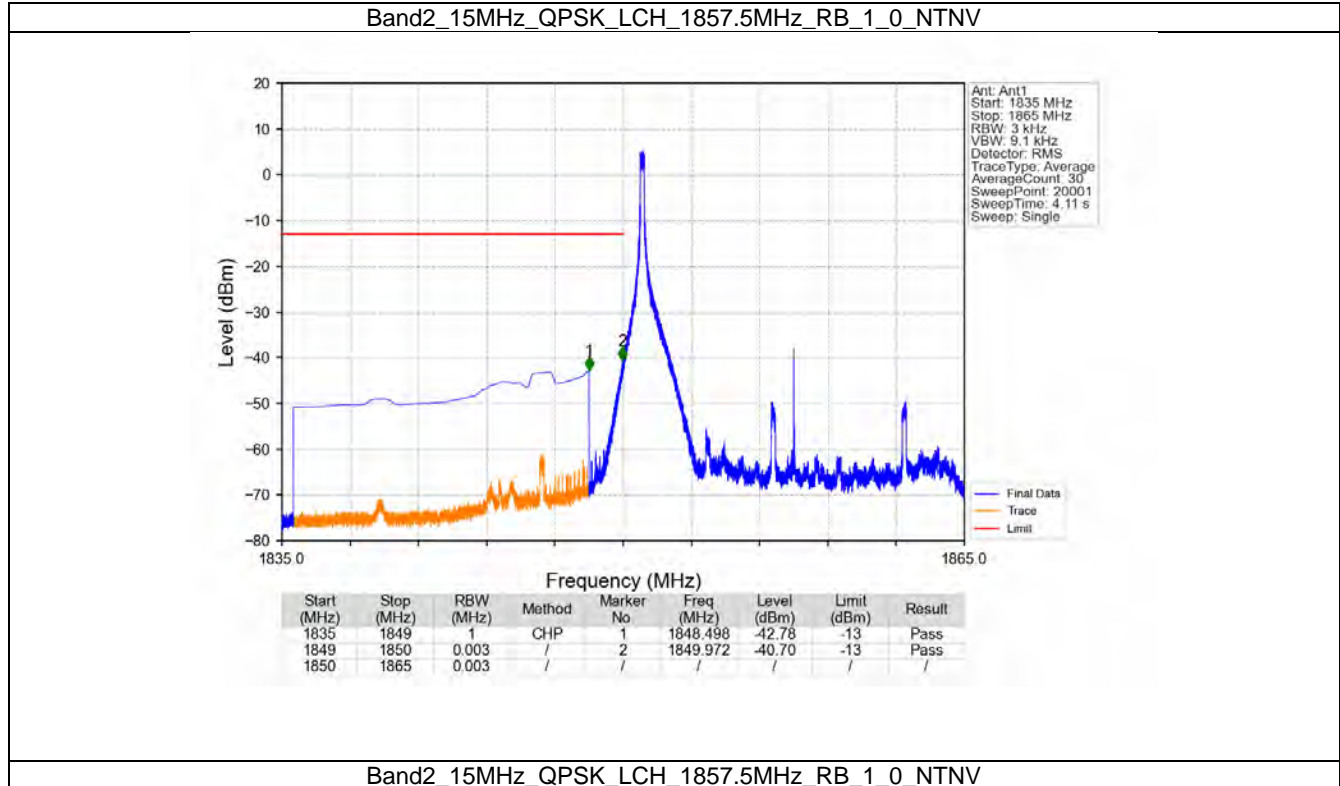
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5.5 B2_15MHz

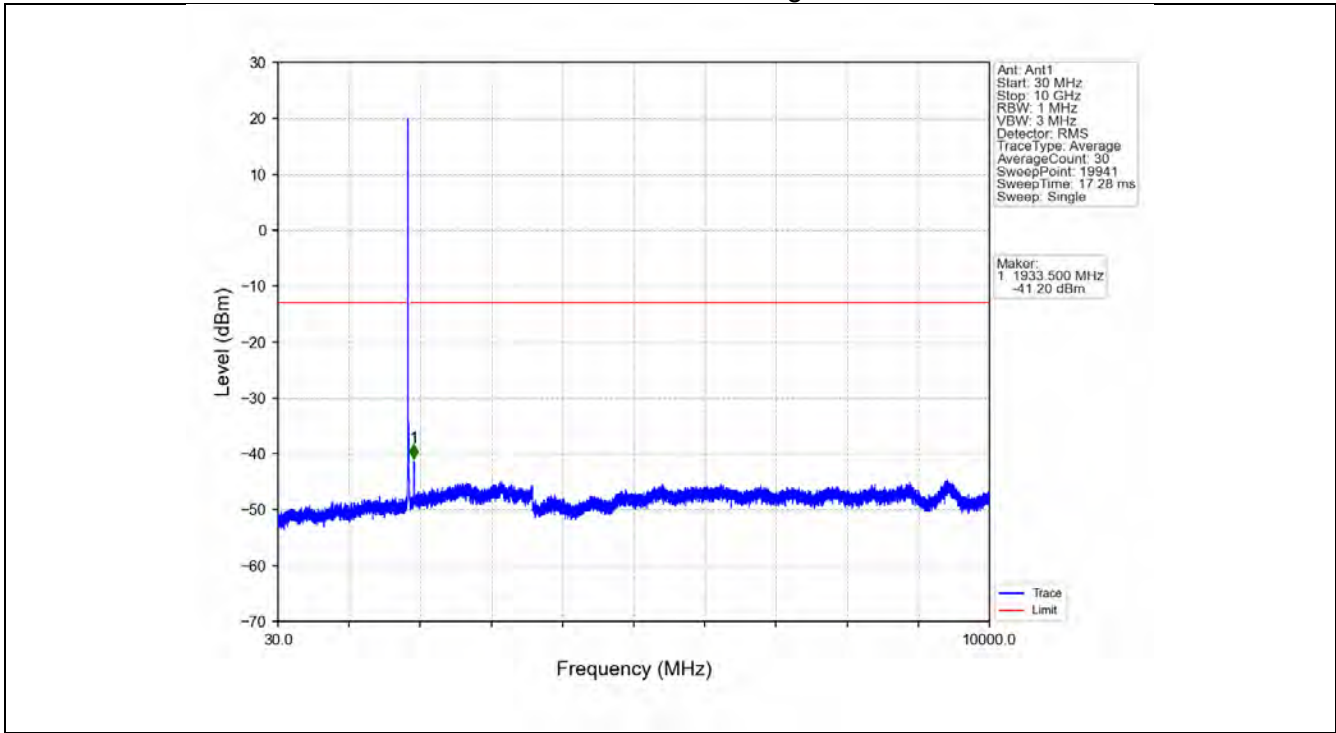
5.5.2 Test Graph



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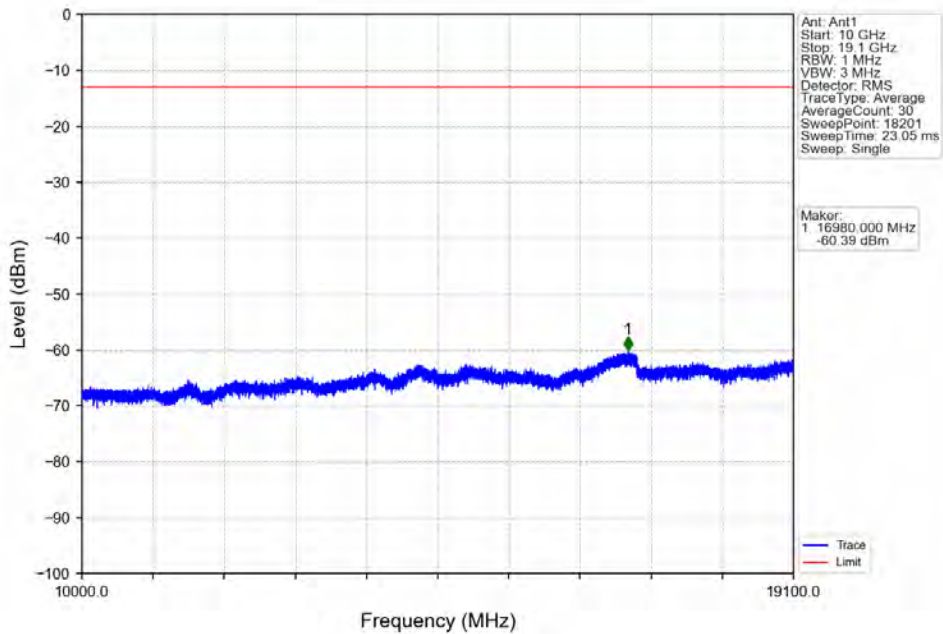


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Band2_15MHz_QPSK_LCH_1857.5MHz_RB_1_0_NTNV



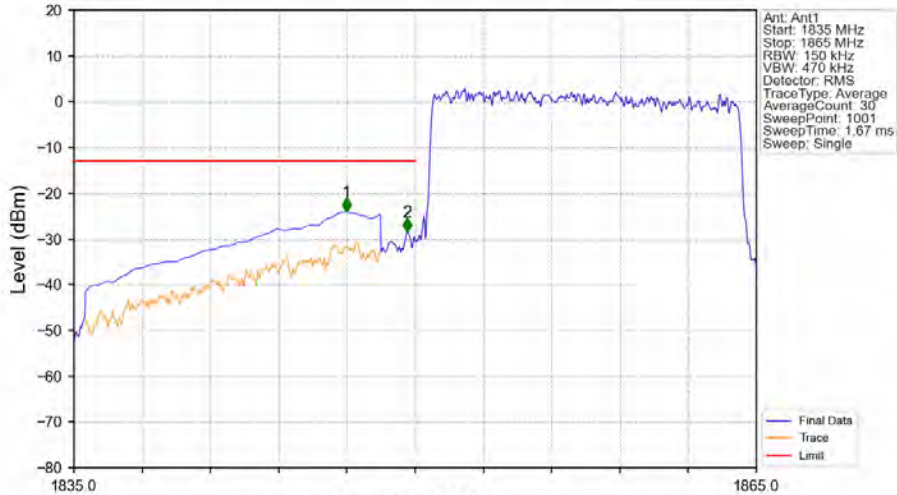
Band2_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1835	1849	1	CHP	1	1846.970	-24.11	-13	Pass
1849	1850	0.15	/	2	1849.640	-28.46	-13	Pass
1850	1865	0.15	/	/	/	/	/	/

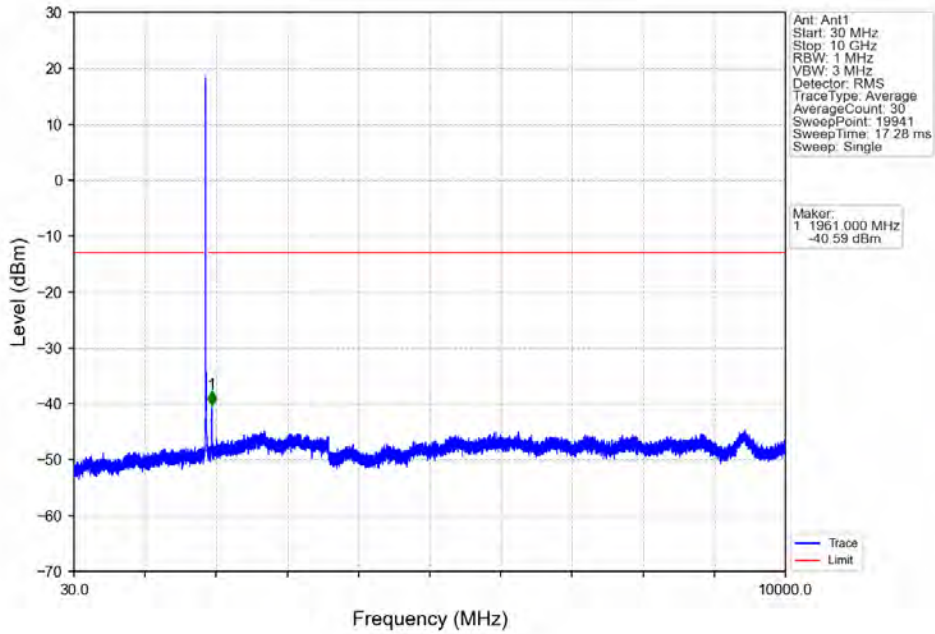


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Band2_15MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



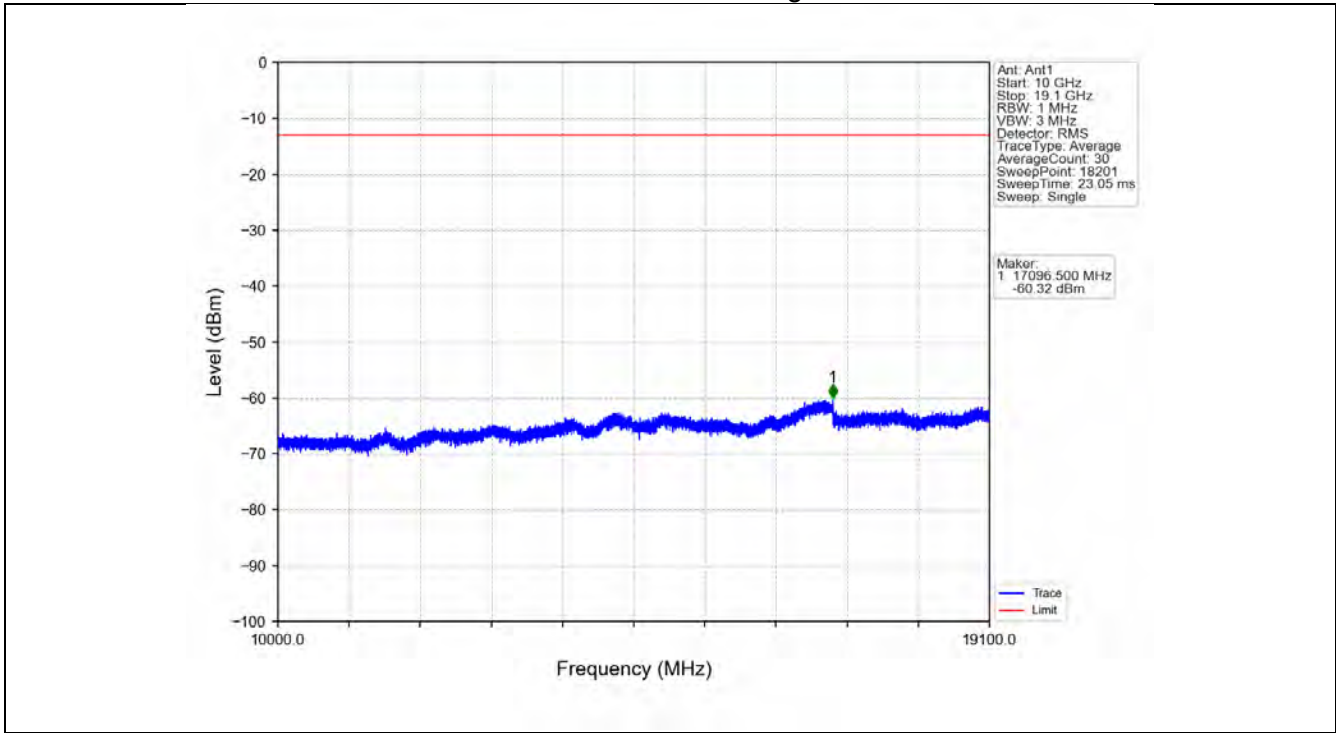
Band2_15MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



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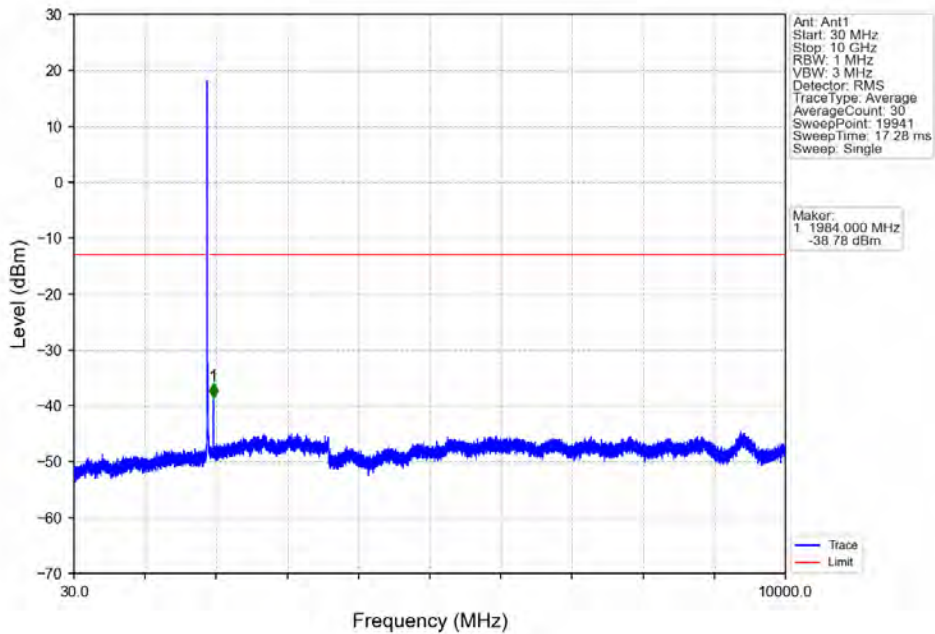


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Band2_15MHz_QPSK_HCH_1902.5MHz_RB_1_0_NTNV



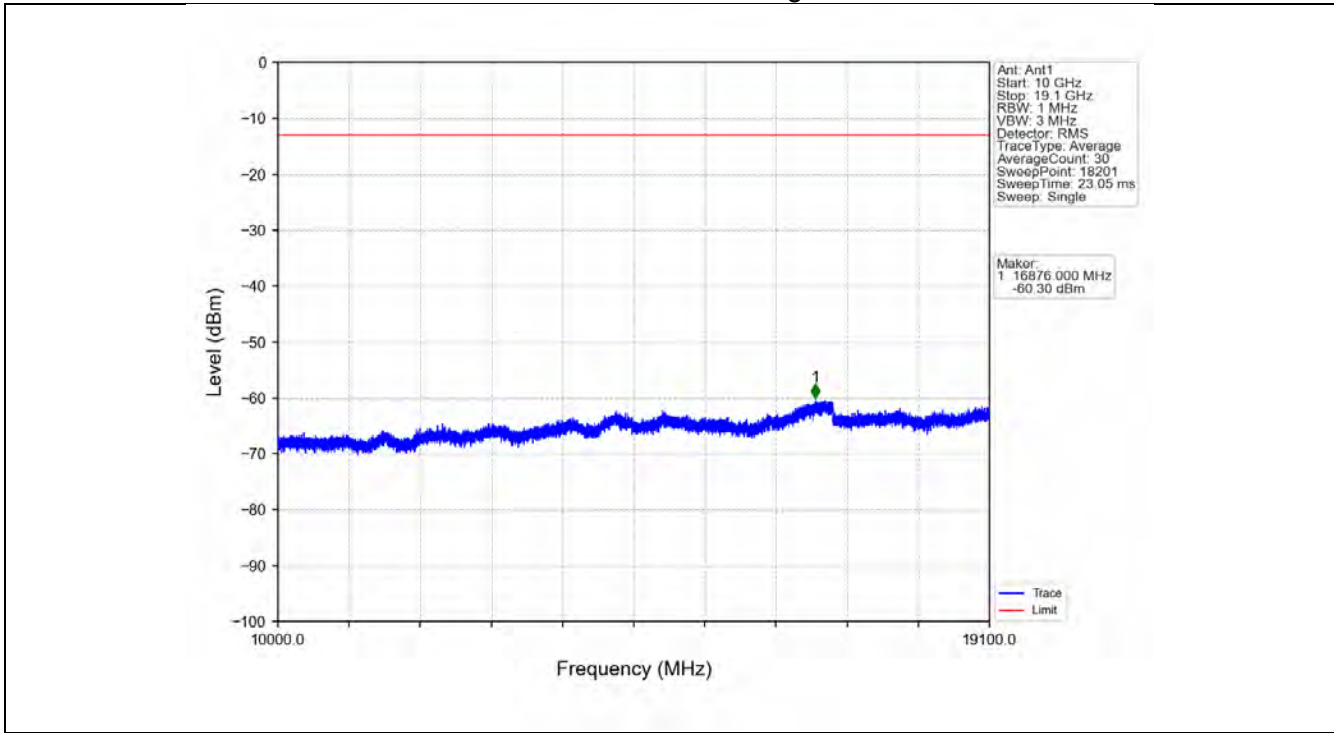
Band2_15MHz_QPSK_HCH_1902.5MHz_RB_1_0_NTNV



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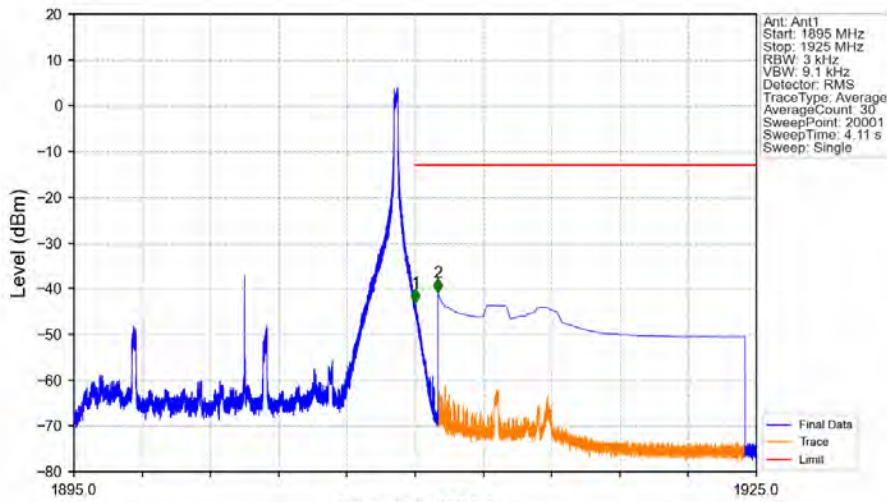
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Band2_15MHz_QPSK_HCH_1902.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1895	1910	0.003	/	1	1910.005	-43.13	-13	Pass
1910	1911	0.003	/	1	1910.005	-43.13	-13	Pass
1911	1925	1	CHP	2	1911.001	-40.92	-13	Pass

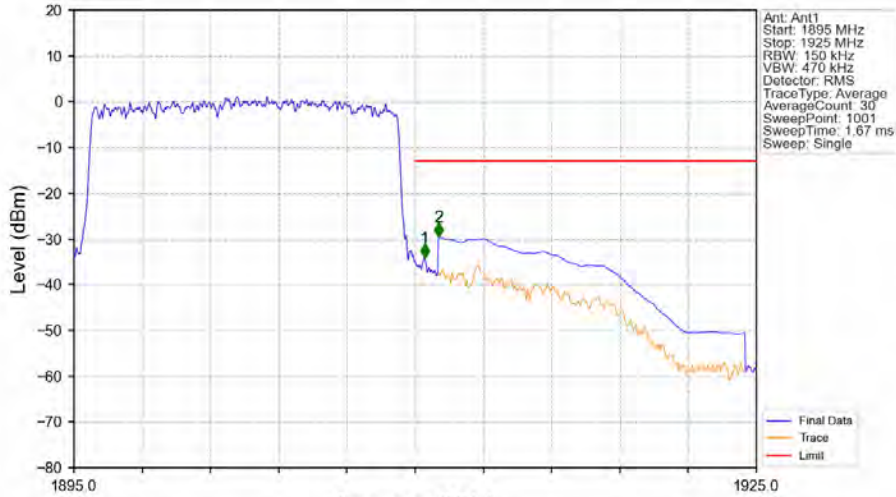
Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1895	1910	0.15	/	1	1910.420	-34.18	-13	Pass
1910	1911	0.15	/	2	1911.020	-29.56	-13	Pass
1911	1925	1	CHP					



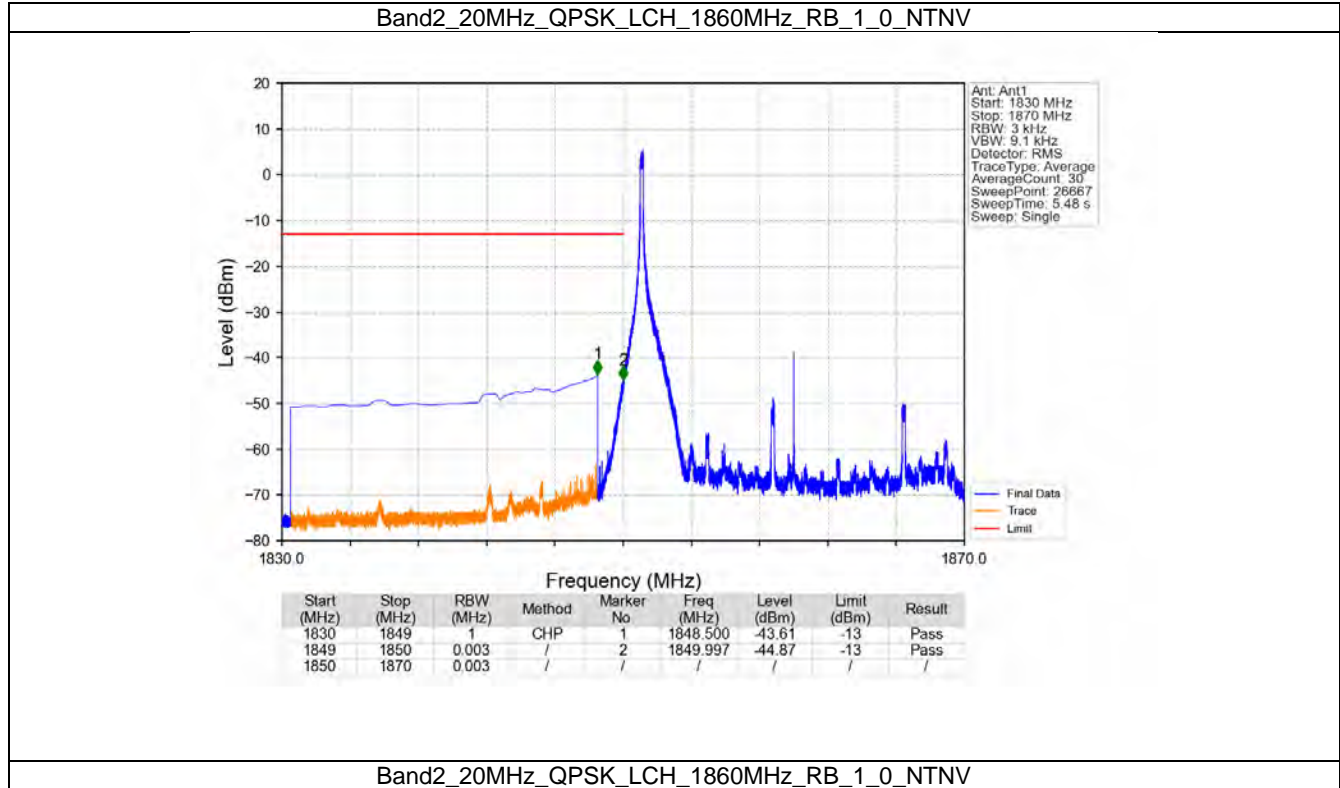
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5.6 B2_20MHz

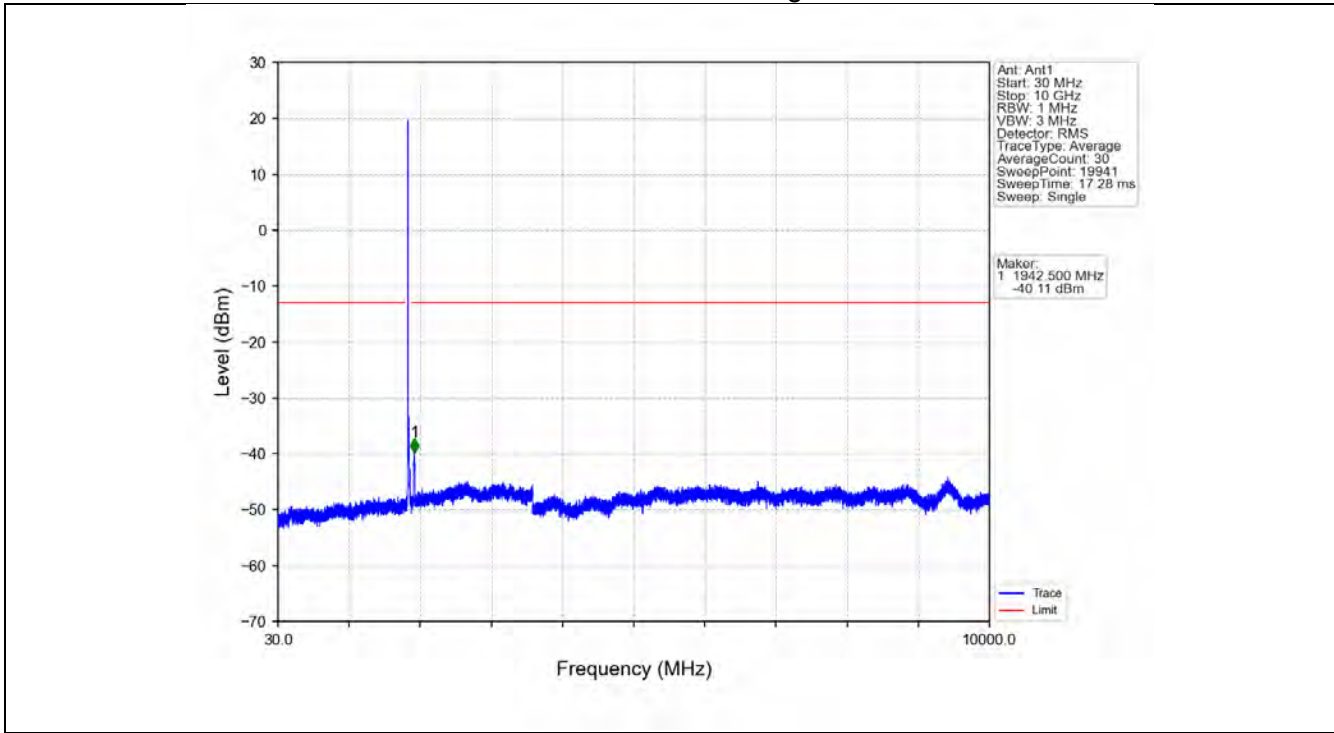
5.6.2 Test Graph



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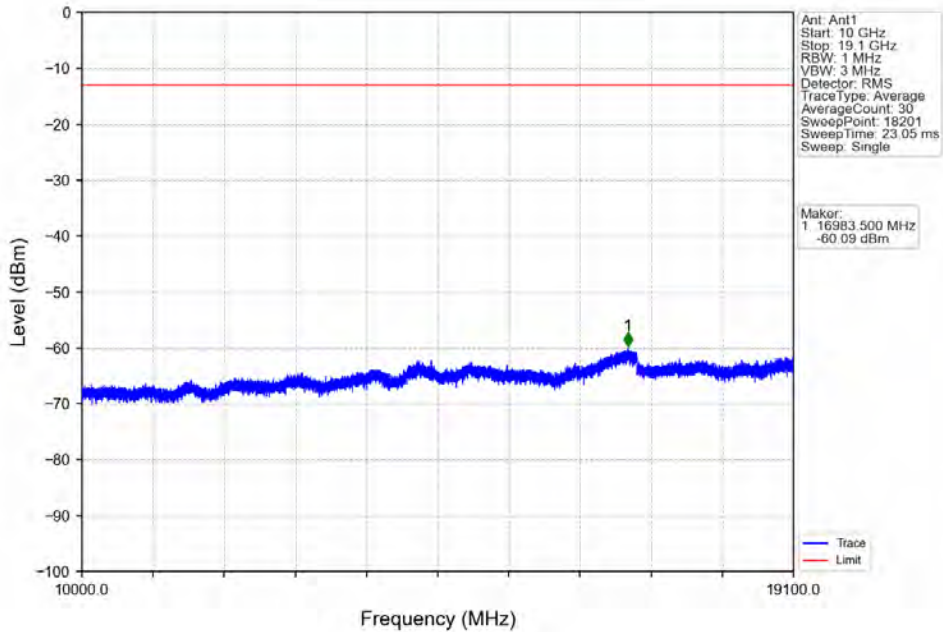


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Band2_20MHz_QPSK_LCH_1860MHz_RB_1_0_NTNV



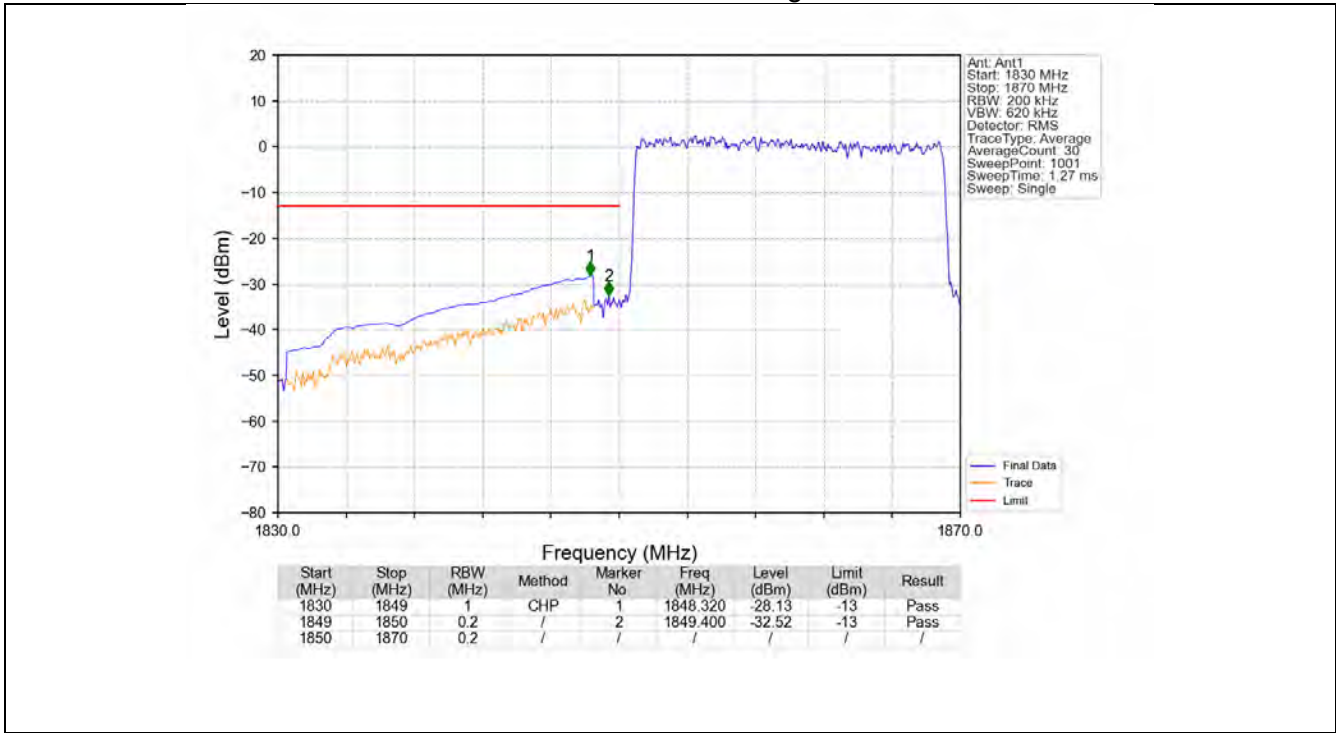
Band2_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



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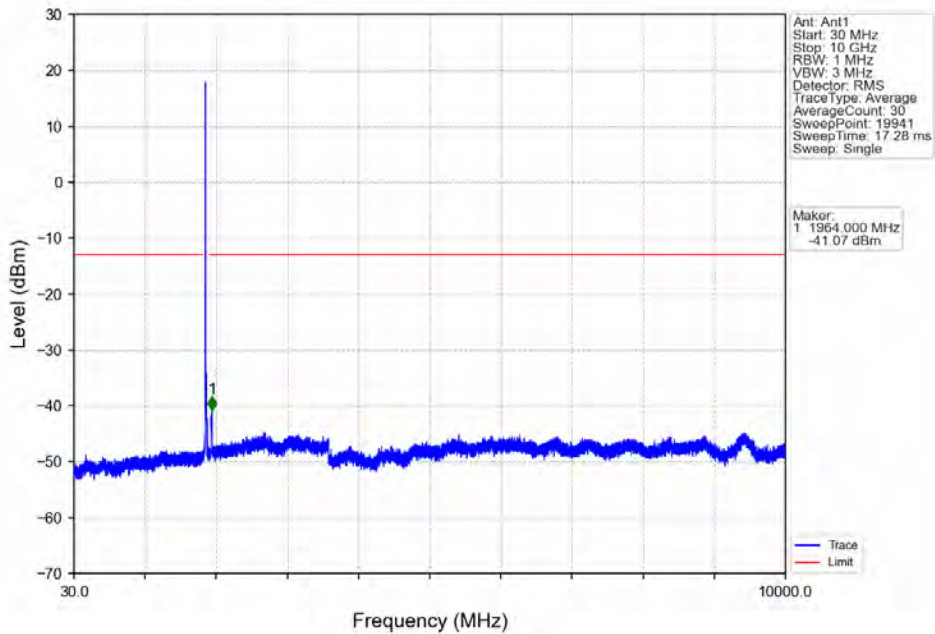
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Band2_20MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



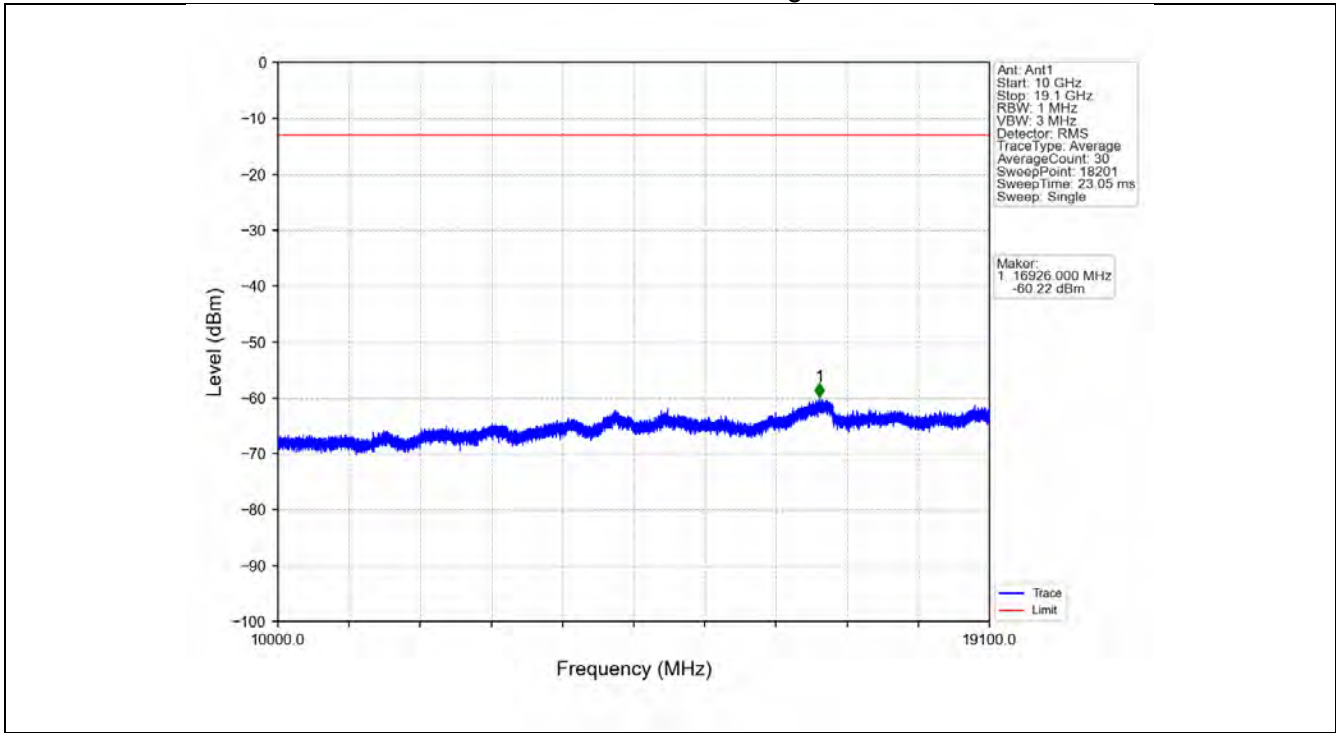
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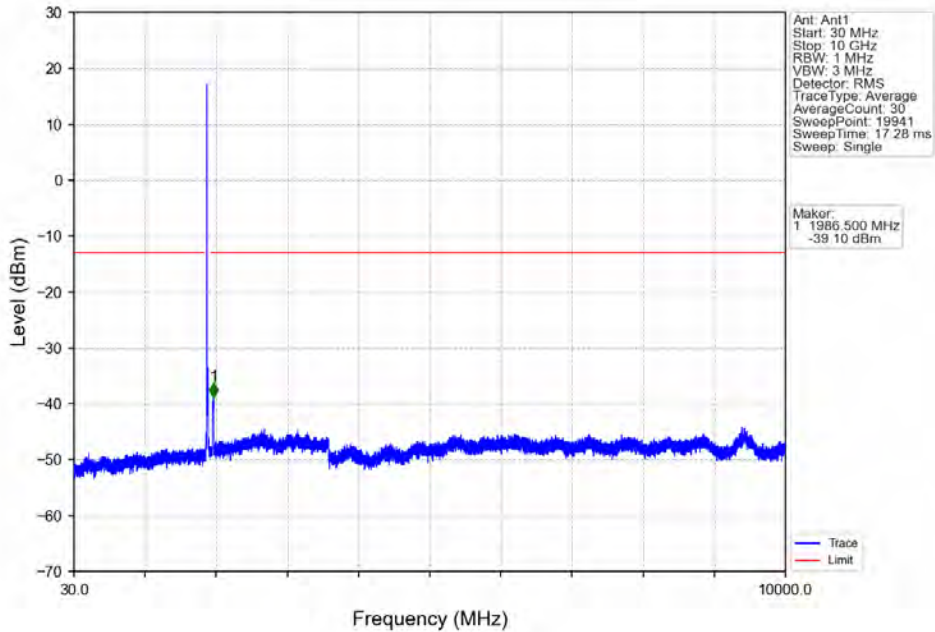


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Band2_20MHz_QPSK_HCH_1900MHz_RB_1_0_NTNV



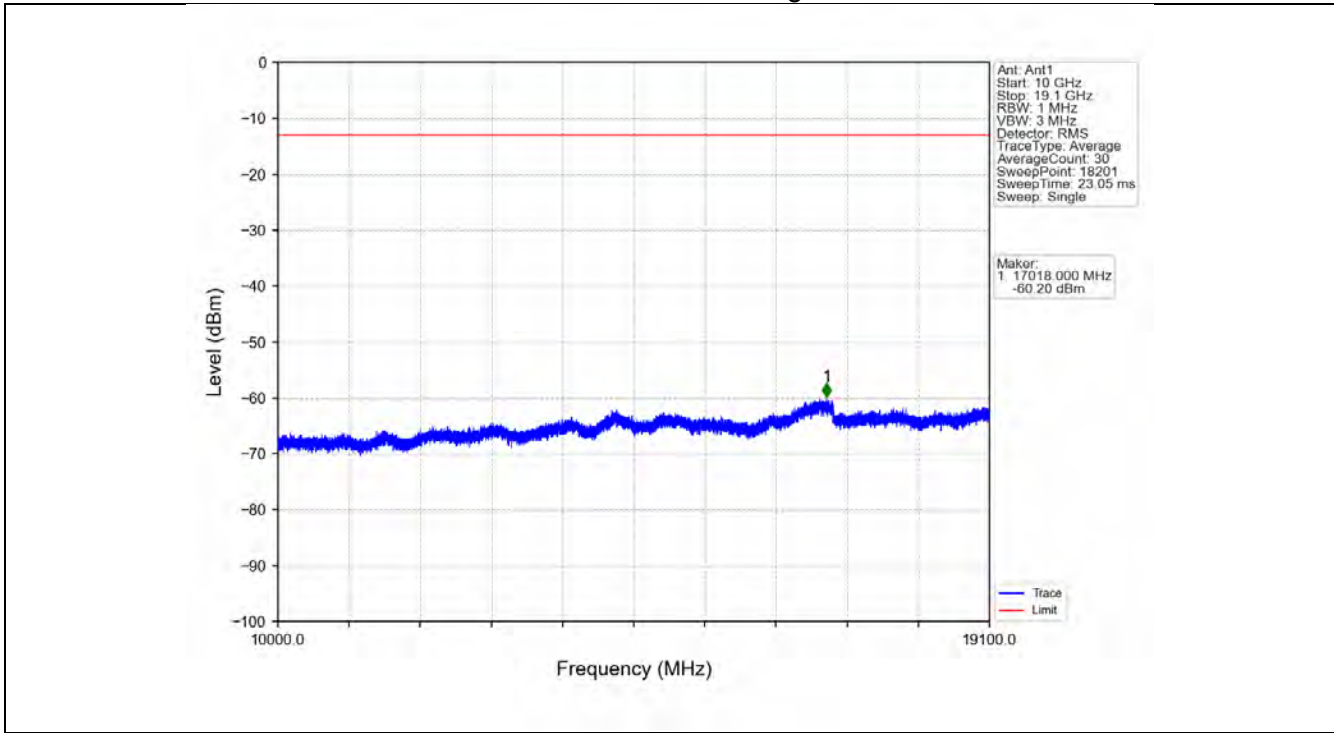
Band2_20MHz_QPSK_HCH_1900MHz_RB_1_0_NTNV



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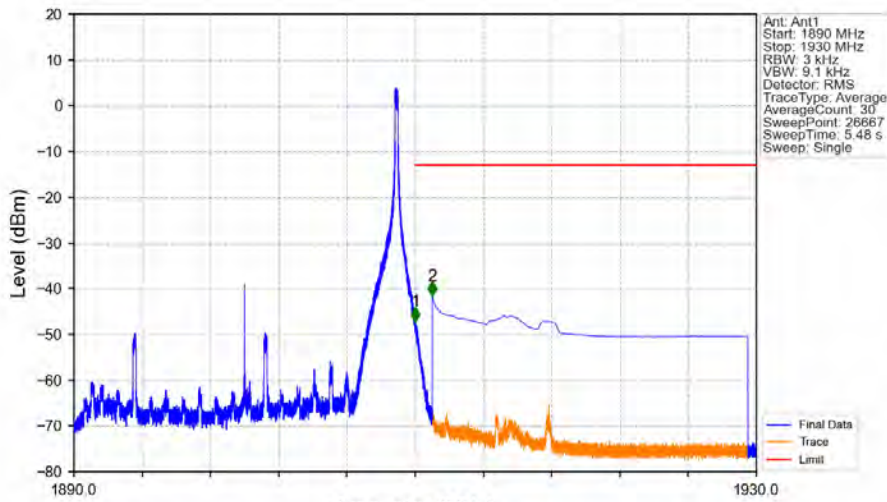
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Band2_20MHz_QPSK_HCH_1900MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1890	1910	0.003	/	1	1910.005	-47.13	-13	Pass
1910	1911	0.003	/	1	1910.005	-47.13	-13	Pass
1910	1930	1	CHP	2	1911.001	-41.50	-13	Pass

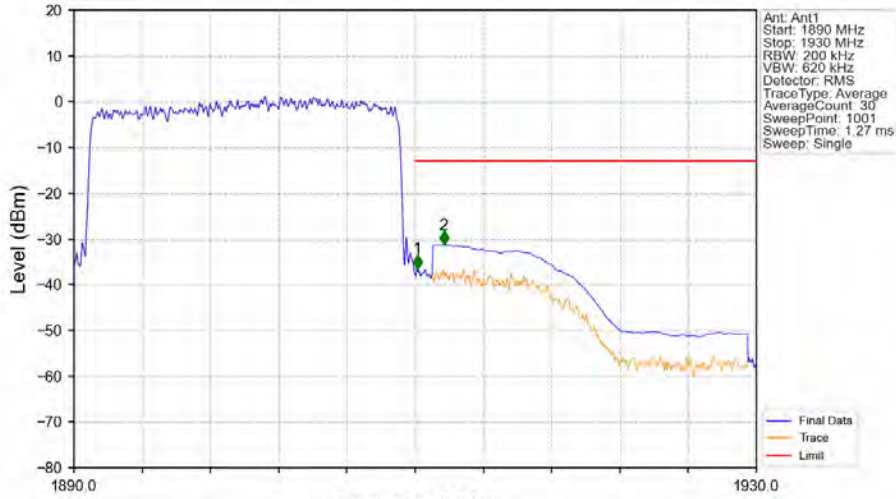
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1890	1910	0.2	/	1	1910.120	-36.54	-13	Pass
1910	1911	0.2	/	2	1911.680	-31.27	-13	Pass
1911	1930	1	CHP					



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6. Field Strength of Spurious Radiation

Test Band = LTE_2
 Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.0351	67.32	-50.00	30.31	-47.63	-13.00	34.63	Horizontal
2	5553.8777	72.29	-45.47	33.22	-35.22	-13.00	22.22	Horizontal
3	7362.9681	51.98	-43.98	36.87	-50.39	-13.00	37.39	Horizontal
4	9032.5516	50.06	-41.79	38.73	-48.26	-13.00	35.26	Horizontal
5	11902.9451	48.85	-37.76	39.50	-44.67	-13.00	31.67	Horizontal
6	15020.851	49.71	-38.92	39.88	-44.59	-13.00	31.59	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.0351	64.54	-50.00	30.31	-50.41	-13.00	37.41	Vertical
2	5553.1277	69.97	-45.47	33.21	-37.55	-13.00	24.55	Vertical
3	9007.8004	50.27	-41.68	38.78	-47.89	-13.00	34.89	Vertical
4	11920.946	49.27	-38.04	39.48	-44.55	-13.00	31.55	Vertical
5	14268.5634	49.28	-39.73	40.73	-44.98	-13.00	31.98	Vertical
6	17978.2489	50.78	-43.66	42.67	-45.47	-13.00	32.47	Vertical



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Report No.: SUCR240200003402
Rev.: 01
Page: 260 of 261

Test Band = LTE_2
Test Channel = MCH

Table with 9 columns: NO., Freq. [MHz], Reading [dBµV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Polarity. Contains 6 rows of test data.

Table with 9 columns: NO., Freq. [MHz], Reading [dBµV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Polarity. Contains 6 rows of test data.



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Report No.: SUCR240200003402
Rev.: 01
Page: 261 of 261

Test Band = LTE_2
Test Channel = HCH

Table with 9 columns: NO., Freq. [MHz], Reading [dBµV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Polarity. Contains 6 rows of test data.

Table with 9 columns: NO., Freq. [MHz], Reading [dBµV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Polarity. Contains 6 rows of test data.

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

- AF = Antenna Factor(dB/m)
Factor = Cable Factor(dB) - Preamplifier (dB)
Level = Reading Level + AF + Factor -95.26
Margin = Limit - Level

---End of Attachment---



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