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# Appendix B.17

## LTE Band 48



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# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm/10MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Verdict
Band48	5MHz	QPSK	55265	1RB#0	17.52	16.3	23	PASS
Band48	5MHz	QPSK	55265	1RB#12	17.6	16.38	23	PASS
Band48	5MHz	QPSK	55265	1RB#24	17.47	16.25	23	PASS
Band48	5MHz	QPSK	55265	25RB#0	16.65	15.43	23	PASS
Band48	5MHz	QPSK	55990	1RB#0	17.45	16.23	23	PASS
Band48	5MHz	QPSK	55990	1RB#12	17.61	16.39	23	PASS
Band48	5MHz	QPSK	55990	1RB#24	17.54	16.32	23	PASS
Band48	5MHz	QPSK	55990	25RB#0	16.65	15.43	23	PASS
Band48	5MHz	QPSK	56715	1RB#0	17.99	16.77	23	PASS
Band48	5MHz	QPSK	56715	1RB#12	17.95	16.73	23	PASS
Band48	5MHz	QPSK	56715	1RB#24	17.92	16.7	23	PASS
Band48	5MHz	QPSK	56715	25RB#0	17.01	15.79	23	PASS
Band48	5MHz	16QAM	55265	1RB#0	16.7	15.48	23	PASS
Band48	5MHz	16QAM	55265	1RB#12	16.72	15.5	23	PASS
Band48	5MHz	16QAM	55265	1RB#24	16.64	15.42	23	PASS
Band48	5MHz	16QAM	55265	25RB#0	15.64	14.42	23	PASS
Band48	5MHz	16QAM	55990	1RB#0	16.67	15.45	23	PASS
Band48	5MHz	16QAM	55990	1RB#12	16.76	15.54	23	PASS
Band48	5MHz	16QAM	55990	1RB#24	16.63	15.41	23	PASS
Band48	5MHz	16QAM	55990	25RB#0	15.62	14.4	23	PASS
Band48	5MHz	16QAM	56715	1RB#0	17.11	15.89	23	PASS
Band48	5MHz	16QAM	56715	1RB#12	17.06	15.84	23	PASS
Band48	5MHz	16QAM	56715	1RB#24	17.03	15.81	23	PASS
Band48	5MHz	16QAM	56715	25RB#0	15.99	14.77	23	PASS
Band48	5MHz	64QAM	55265	1RB#0	15.94	14.72	23	PASS



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Table with 9 columns: Band, Frequency, Modulation, Channel, Power, Power, Power, Power, Result. Contains 30 rows of test data.



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Table with 9 columns: Band, Frequency, Modulation, Channel, Power, Power, Power, Power, Result. Contains 35 rows of test data for various bands (10MHz and 15MHz) and modulation schemes (16QAM, 64QAM, QPSK).



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Table with 9 columns: Band, Frequency, Modulation, Code Rate, Bandwidth, Power Spectral Density, Power Spectral Density, Occupied Bandwidth, and Result. It contains 33 rows of test data, all showing 'PASS' results.



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Table with 9 columns: Band, Frequency, Modulation, Channel, Power, Power Spectral Density, Occupied Bandwidth, and Result. Contains 30 rows of test data, all showing 'PASS' results.



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Band48	20MHz	64QAM	56640	1RB#49	16.3	15.08	23	PASS
Band48	20MHz	64QAM	56640	1RB#99	16.24	15.02	23	PASS
Band48	20MHz	64QAM	56640	100RB#0	14.83	13.61	23	PASS



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## 2. Frequency Stability

### 2.1 B48\_5MHz

#### 2.1.1 Test Result

Band: 48 / Bandwidth: 5MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	3552.5	25	0	20	3.5	15.380	0.0043	/	Pass	
					3.87	9.557	0.0027	/	Pass	
					4.45	-0.154	0.0000	/	Pass	
				-30	3.87	1.783	0.0005	/	Pass	
					-20	3.87	-15.505	-0.0044	/	Pass
						-10	3.87	2.525	0.0007	/
				0	3.87	-4.307	-0.0012	/	Pass	
				10	3.87	-4.466	-0.0013	/	Pass	
				30	3.87	-3.647	-0.0010	/	Pass	
	40	3.87	1.951	0.0005	/	Pass				
	50	3.87	-12.185	-0.0034	/	Pass				
	3625	25	0	20	3.5	3.091	0.0009	/	Pass	
					3.87	-16.392	-0.0045	/	Pass	
					4.45	-8.662	-0.0024	/	Pass	
				-30	3.87	-3.589	-0.0010	/	Pass	
					-20	3.87	11.107	0.0031	/	Pass
						-10	3.87	-9.788	-0.0027	/
				0	3.87	7.348	0.0020	/	Pass	
				10	3.87	-3.994	-0.0011	/	Pass	
				30	3.87	5.055	0.0014	/	Pass	
	40	3.87	4.181	0.0012	/	Pass				
	50	3.87	-15.108	-0.0042	/	Pass				
	3697.5	25	0	20	3.5	13.070	0.0035	/	Pass	
					3.87	-7.083	-0.0019	/	Pass	
					4.45	2.673	0.0007	/	Pass	
				-30	3.87	-14.902	-0.0040	/	Pass	
					-20	3.87	-8.999	-0.0024	/	Pass
-10						3.87	-12.427	-0.0034	/	Pass
0				3.87	-17.324	-0.0047	/	Pass		
10				3.87	10.387	0.0028	/	Pass		
30				3.87	-10.667	-0.0029	/	Pass		
40	3.87	-13.148	-0.0036	/	Pass					
50	3.87	-23.219	-0.0063	/	Pass					
16QAM	3552.5	25	0	20	3.5	-4.735	-0.0013	/	Pass	
					3.87	-4.858	-0.0014	/	Pass	
					4.45	-2.267	-0.0006	/	Pass	
				-30	3.87	-5.004	-0.0014	/	Pass	
					-20	3.87	4.424	0.0012	/	Pass
-10	3.87	-9.739	-0.0027	/	Pass					



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64QAM	3625	25	0	0	3.87	3.270	0.0009	/	Pass			
				10	3.87	6.390	0.0018	/	Pass			
				30	3.87	1.051	0.0003	/	Pass			
				40	3.87	-13.297	-0.0037	/	Pass			
				50	3.87	-8.011	-0.0023	/	Pass			
				3697.5	25	0	20	3.5	4.421	0.0012	/	Pass
							3.87	-2.420	-0.0007	/	Pass	
							4.45	0.037	0.0000	/	Pass	
							-30	3.87	-11.106	-0.0031	/	Pass
							-20	3.87	-2.631	-0.0007	/	Pass
							-10	3.87	6.492	0.0018	/	Pass
							0	3.87	9.061	0.0025	/	Pass
							10	3.87	1.195	0.0003	/	Pass
							30	3.87	-7.075	-0.0020	/	Pass
							40	3.87	-15.920	-0.0044	/	Pass
	50	3.87	-1.242				-0.0003	/	Pass			
	3552.5	25	0				20	3.5	1.445	0.0004	/	Pass
							3.87	1.140	0.0003	/	Pass	
							4.45	-14.319	-0.0039	/	Pass	
							-30	3.87	-12.804	-0.0035	/	Pass
				-20	3.87	-10.331	-0.0028	/	Pass			
				-10	3.87	14.666	0.0040	/	Pass			
				0	3.87	9.168	0.0025	/	Pass			
				10	3.87	-8.258	-0.0022	/	Pass			
				30	3.87	-6.025	-0.0016	/	Pass			
				40	3.87	2.164	0.0006	/	Pass			
				50	3.87	-16.466	-0.0045	/	Pass			
				3625	25	0	20	3.5	-9.844	-0.0028	/	Pass
							3.87	8.197	0.0023	/	Pass	
							4.45	-3.333	-0.0009	/	Pass	
							-30	3.87	-3.995	-0.0011	/	Pass
	-20	3.87	8.857				0.0025	/	Pass			
	-10	3.87	-6.313				-0.0018	/	Pass			
	0	3.87	0.975				0.0003	/	Pass			
	10	3.87	-9.082				-0.0026	/	Pass			
	30	3.87	3.576				0.0010	/	Pass			
	40	3.87	-1.925				-0.0005	/	Pass			
	50	3.87	-8.779				-0.0025	/	Pass			
	3625	25	0				20	3.5	0.159	0.0000	/	Pass
							3.87	-4.818	-0.0013	/	Pass	
							4.45	-7.389	-0.0020	/	Pass	
							-30	3.87	6.643	0.0018	/	Pass
				-20	3.87	-13.867	-0.0038	/	Pass			
				-10	3.87	-7.921	-0.0022	/	Pass			
				0	3.87	-8.631	-0.0024	/	Pass			
10				3.87	1.420	0.0004	/	Pass				
30				3.87	4.215	0.0012	/	Pass				
40				3.87	-1.850	-0.0005	/	Pass				
50				3.87	-4.816	-0.0013	/	Pass				



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	3697.5	25	0	20	3.5	6.033	0.0016	/	Pass
					3.87	-7.787	-0.0021	/	Pass
					4.45	7.236	0.0020	/	Pass
				-30	3.87	-9.038	-0.0024	/	Pass
				-20	3.87	-4.737	-0.0013	/	Pass
				-10	3.87	7.311	0.0020	/	Pass
				0	3.87	10.211	0.0028	/	Pass
				10	3.87	2.602	0.0007	/	Pass
				30	3.87	-3.727	-0.0010	/	Pass
				40	3.87	-15.735	-0.0043	/	Pass
			50	3.87	-1.930	-0.0005	/	Pass	



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2.2 B48\_10MHz

2.2.1 Test Result

Band: 48 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	3555	50	0	20	3.5	8.314	0.0023	/	Pass	
					3.87	-21.393	-0.0060	/	Pass	
					4.45	10.272	0.0029	/	Pass	
				-30	3.87	11.698	0.0033	/	Pass	
					-20	3.87	-9.509	-0.0027	/	Pass
						-10	3.87	2.455	0.0007	/
				0	3.87	-10.180	-0.0029	/	Pass	
					10	3.87	-6.838	-0.0019	/	Pass
				30	3.87	0.487	0.0001	/	Pass	
				40	3.87	-2.324	-0.0007	/	Pass	
	50	3.87	-11.098	-0.0031	/	Pass				
	3625	50	0	20	3.5	9.817	0.0027	/	Pass	
					3.87	-14.470	-0.0040	/	Pass	
					4.45	1.675	0.0005	/	Pass	
				-30	3.87	-5.388	-0.0015	/	Pass	
					-20	3.87	-11.197	-0.0031	/	Pass
						-10	3.87	-14.852	-0.0041	/
				0	3.87	5.643	0.0016	/	Pass	
					10	3.87	-6.312	-0.0017	/	Pass
				30	3.87	-9.735	-0.0027	/	Pass	
				40	3.87	2.134	0.0006	/	Pass	
	50	3.87	3.127	0.0009	/	Pass				
	3695	50	0	20	3.5	1.265	0.0003	/	Pass	
					3.87	-9.842	-0.0027	/	Pass	
					4.45	1.764	0.0005	/	Pass	
				-30	3.87	-14.249	-0.0039	/	Pass	
					-20	3.87	-9.724	-0.0026	/	Pass
						-10	3.87	-0.444	-0.0001	/
				0	3.87	-20.308	-0.0055	/	Pass	
					10	3.87	7.365	0.0020	/	Pass
30				3.87	-8.784	-0.0024	/	Pass		
40				3.87	6.423	0.0017	/	Pass		
50	3.87	1.701	0.0005	/	Pass					
16QAM	3555	50	0	20	3.5	0.668	0.0002	/	Pass	
					3.87	5.241	0.0015	/	Pass	
					4.45	0.753	0.0002	/	Pass	
				-30	3.87	-15.649	-0.0044	/	Pass	
					-20	3.87	-19.332	-0.0054	/	Pass
						-10	3.87	-1.675	-0.0005	/
				0	3.87	3.195	0.0009	/	Pass	
					10	3.87	-8.159	-0.0023	/	Pass



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64QAM	3625	50	0	30	3.87	-4.970	-0.0014	/	Pass
				40	3.87	-3.786	-0.0011	/	Pass
				50	3.87	1.477	0.0004	/	Pass
				20	3.5	-5.643	-0.0016	/	Pass
					3.87	-6.845	-0.0019	/	Pass
					4.45	-1.976	-0.0005	/	Pass
				-30	3.87	-0.032	0.0000	/	Pass
				-20	3.87	4.551	0.0013	/	Pass
				-10	3.87	-3.216	-0.0009	/	Pass
				0	3.87	-11.324	-0.0031	/	Pass
				10	3.87	8.269	0.0023	/	Pass
				30	3.87	7.127	0.0020	/	Pass
	40	3.87	4.224	0.0012	/	Pass			
	50	3.87	1.099	0.0003	/	Pass			
	3695	50	0	20	3.5	-4.201	-0.0011	/	Pass
					3.87	0.495	0.0001	/	Pass
					4.45	-2.411	-0.0007	/	Pass
				-30	3.87	0.237	0.0001	/	Pass
				-20	3.87	0.580	0.0002	/	Pass
				-10	3.87	-15.261	-0.0041	/	Pass
				0	3.87	-17.007	-0.0046	/	Pass
				10	3.87	-5.246	-0.0014	/	Pass
				30	3.87	-9.245	-0.0025	/	Pass
				40	3.87	-9.029	-0.0024	/	Pass
				50	3.87	-6.913	-0.0019	/	Pass
				3555	50	0	20	3.5	-14.855
	3.87	2.331	0.0007					/	Pass
	4.45	-3.974	-0.0011					/	Pass
	-30	3.87	-3.593				-0.0010	/	Pass
	-20	3.87	-1.540				-0.0004	/	Pass
	-10	3.87	-1.331				-0.0004	/	Pass
	0	3.87	-0.735				-0.0002	/	Pass
	10	3.87	1.906				0.0005	/	Pass
	30	3.87	-7.869				-0.0022	/	Pass
	40	3.87	-4.897				-0.0014	/	Pass
	50	3.87	1.067				0.0003	/	Pass
3625	50	0	20				3.5	1.518	0.0004
					3.87	-1.409	-0.0004	/	Pass
					4.45	-5.687	-0.0016	/	Pass
			-30		3.87	-14.817	-0.0041	/	Pass
			-20		3.87	-7.633	-0.0021	/	Pass
			-10		3.87	-9.092	-0.0025	/	Pass
			0		3.87	-5.785	-0.0016	/	Pass
			10		3.87	0.182	0.0001	/	Pass
			30		3.87	-3.105	-0.0009	/	Pass
			40		3.87	0.497	0.0001	/	Pass
			50		3.87	-3.105	-0.0009	/	Pass
			3695		50	0	20	3.5	-15.146
3.87	9.149	0.0025						/	Pass



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				4.45	-6.483	-0.0018	/	Pass
			-30	3.87	5.051	0.0014	/	Pass
			-20	3.87	-18.836	-0.0051	/	Pass
			-10	3.87	8.310	0.0022	/	Pass
			0	3.87	7.188	0.0019	/	Pass
			10	3.87	4.812	0.0013	/	Pass
			30	3.87	-4.194	-0.0011	/	Pass
			40	3.87	-10.768	-0.0029	/	Pass
			50	3.87	-7.859	-0.0021	/	Pass



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2.3 B48\_15MHz

2.3.1 Test Result

Band: 48 / Bandwidth: 15MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	3557.5	75	0	20	3.5	3.413	0.0010	/	Pass			
					3.87	-12.060	-0.0034	/	Pass			
					4.45	6.953	0.0020	/	Pass			
				-30	3.87	-6.695	-0.0019	/	Pass			
					-20	3.87	-11.506	-0.0032	/	Pass		
						-10	3.87	-1.863	-0.0005	/	Pass	
				0	3.87	-3.916	-0.0011	/	Pass			
				10	3.87	-3.035	-0.0009	/	Pass			
				30	3.87	-7.871	-0.0022	/	Pass			
				40	3.87	-5.445	-0.0015	/	Pass			
				50	3.87	2.914	0.0008	/	Pass			
				3625	75	0	20	3.5	4.765	0.0013	/	Pass
								3.87	1.055	0.0003	/	Pass
								4.45	-7.401	-0.0020	/	Pass
							-30	3.87	12.412	0.0034	/	Pass
	-20	3.87	-17.524					-0.0048	/	Pass		
		-10	3.87					-6.878	-0.0019	/	Pass	
	0	3.87	-9.899				-0.0027	/	Pass			
	10	3.87	2.278				0.0006	/	Pass			
	30	3.87	-15.225				-0.0042	/	Pass			
	40	3.87	-7.227				-0.0020	/	Pass			
	50	3.87	5.913				0.0016	/	Pass			
	3692.5	75	0				20	3.5	3.365	0.0009	/	Pass
								3.87	-9.079	-0.0025	/	Pass
								4.45	-2.546	-0.0007	/	Pass
							-30	3.87	-18.409	-0.0050	/	Pass
				-20	3.87	4.069		0.0011	/	Pass		
					-10	3.87		4.214	0.0011	/	Pass	
				0	3.87	-3.897	-0.0011	/	Pass			
				10	3.87	-14.464	-0.0039	/	Pass			
30				3.87	0.726	0.0002	/	Pass				
40				3.87	-10.999	-0.0030	/	Pass				
50				3.87	15.435	0.0042	/	Pass				
16QAM				3557.5	75	0	20	3.5	-6.568	-0.0018	/	Pass
								3.87	-13.006	-0.0037	/	Pass
								4.45	-3.674	-0.0010	/	Pass
							-30	3.87	1.285	0.0004	/	Pass
	-20	3.87	6.981					0.0020	/	Pass		
		-10	3.87					-4.112	-0.0012	/	Pass	
	0	3.87	7.713				0.0022	/	Pass			
	10	3.87	-7.791				-0.0022	/	Pass			



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				30	3.87	5.774	0.0016	/	Pass
				40	3.87	7.778	0.0022	/	Pass
				50	3.87	3.417	0.0010	/	Pass
3625	75	0	20	3.5	-2.980	-0.0008	/	Pass	
				3.87	-8.727	-0.0024	/	Pass	
				4.45	5.440	0.0015	/	Pass	
			-30	3.87	-6.927	-0.0019	/	Pass	
			-20	3.87	8.479	0.0023	/	Pass	
			-10	3.87	-3.622	-0.0010	/	Pass	
			0	3.87	8.795	0.0024	/	Pass	
			10	3.87	7.989	0.0022	/	Pass	
			30	3.87	-18.917	-0.0052	/	Pass	
			40	3.87	-5.729	-0.0016	/	Pass	
			50	3.87	-5.405	-0.0015	/	Pass	
			3692.5	75	0	20	3.5	-5.250	-0.0014
3.87	4.834	0.0013					/	Pass	
4.45	-4.664	-0.0013					/	Pass	
-30	3.87	-2.186				-0.0006	/	Pass	
-20	3.87	-2.113				-0.0006	/	Pass	
-10	3.87	5.546				0.0015	/	Pass	
0	3.87	8.576				0.0023	/	Pass	
10	3.87	4.333				0.0012	/	Pass	
30	3.87	5.994				0.0016	/	Pass	
40	3.87	1.487				0.0004	/	Pass	
50	3.87	0.856				0.0002	/	Pass	
64QAM	3557.5	75				20	3.5	3.588	0.0010
			3.87	-7.540	-0.0021		/	Pass	
			4.45	-1.372	-0.0004		/	Pass	
			-30	3.87	-7.442	-0.0021	/	Pass	
			-20	3.87	10.835	0.0030	/	Pass	
			-10	3.87	-13.533	-0.0038	/	Pass	
			0	3.87	-21.083	-0.0059	/	Pass	
			10	3.87	-12.636	-0.0036	/	Pass	
			30	3.87	8.907	0.0025	/	Pass	
	40	3.87	3.359	0.0009	/	Pass			
	50	3.87	2.963	0.0008	/	Pass			
	3625	75	0	20	3.5	-16.676	-0.0046	/	Pass
					3.87	1.832	0.0005	/	Pass
					4.45	-10.027	-0.0028	/	Pass
				-30	3.87	0.532	0.0001	/	Pass
				-20	3.87	-1.925	-0.0005	/	Pass
				-10	3.87	-7.192	-0.0020	/	Pass
				0	3.87	-1.357	-0.0004	/	Pass
10				3.87	0.356	0.0001	/	Pass	
30				3.87	-5.295	-0.0015	/	Pass	
40	3.87	-14.150	-0.0039	/	Pass				
50	3.87	-3.676	-0.0010	/	Pass				
3692.5	75	0	20	3.5	0.991	0.0003	/	Pass	
				3.87	-5.301	-0.0014	/	Pass	



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				4.45	-1.954	-0.0005	/	Pass
				-30	3.87	0.217	0.0001	Pass
				-20	3.87	-2.173	-0.0006	Pass
				-10	3.87	5.298	0.0014	Pass
				0	3.87	-0.382	-0.0001	Pass
				10	3.87	-11.574	-0.0031	Pass
				30	3.87	-5.256	-0.0014	Pass
				40	3.87	3.863	0.0010	Pass
				50	3.87	-6.979	-0.0019	Pass



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2.4 B48\_20MHz

2.4.1 Test Result

Band: 48 / Bandwidth: 20MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	3560	100	0	20	3.5	-0.996	-0.0003	/	Pass	
					3.87	-9.678	-0.0027	/	Pass	
					4.45	-4.820	-0.0014	/	Pass	
				-30	3.87	2.022	0.0006	/	Pass	
					-20	3.87	-1.988	-0.0006	/	Pass
						-10	3.87	-2.105	-0.0006	/
				0	3.87	5.902	0.0017	/	Pass	
					10	3.87	-7.588	-0.0021	/	Pass
				30	3.87	-8.891	-0.0025	/	Pass	
	40	3.87	-2.350	-0.0007	/	Pass				
	50	3.87	-0.485	-0.0001	/	Pass				
	3625	100	0	20	3.5	-10.945	-0.0030	/	Pass	
					3.87	-13.002	-0.0036	/	Pass	
					4.45	-5.471	-0.0015	/	Pass	
				-30	3.87	-1.048	-0.0003	/	Pass	
					-20	3.87	6.493	0.0018	/	Pass
						-10	3.87	6.777	0.0019	/
				0	3.87	12.522	0.0035	/	Pass	
					10	3.87	-5.332	-0.0015	/	Pass
				30	3.87	-8.460	-0.0023	/	Pass	
	40	3.87	3.983	0.0011	/	Pass				
	50	3.87	-13.794	-0.0038	/	Pass				
	3690	100	0	20	3.5	0.816	0.0002	/	Pass	
					3.87	-11.901	-0.0032	/	Pass	
					4.45	4.652	0.0013	/	Pass	
				-30	3.87	1.129	0.0003	/	Pass	
					-20	3.87	-19.760	-0.0054	/	Pass
-10						3.87	9.147	0.0025	/	Pass
0				3.87	3.516	0.0010	/	Pass		
				10	3.87	-1.467	-0.0004	/	Pass	
30				3.87	-6.769	-0.0018	/	Pass		
40	3.87	-18.402	-0.0050	/	Pass					
50	3.87	14.360	0.0039	/	Pass					
16QAM	3560	100	0	20	3.5	-0.375	-0.0001	/	Pass	
					3.87	8.779	0.0025	/	Pass	
					4.45	-2.469	-0.0007	/	Pass	
				-30	3.87	-5.662	-0.0016	/	Pass	
					-20	3.87	-14.364	-0.0040	/	Pass
				-10	3.87	-0.394	-0.0001	/	Pass	
					0	3.87	-8.928	-0.0025	/	Pass
10	3.87	-7.712	-0.0022	/	Pass					



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				30	3.87	7.116	0.0020	/	Pass
				40	3.87	1.938	0.0005	/	Pass
				50	3.87	-14.733	-0.0041	/	Pass
3625	100	0	20	3.5	-2.411	-0.0007	/	Pass	
				3.87	-7.155	-0.0020	/	Pass	
				4.45	-1.006	-0.0003	/	Pass	
			-30	3.87	-3.435	-0.0009	/	Pass	
			-20	3.87	-8.307	-0.0023	/	Pass	
			-10	3.87	-4.791	-0.0013	/	Pass	
			0	3.87	-20.953	-0.0058	/	Pass	
			10	3.87	2.760	0.0008	/	Pass	
			30	3.87	10.054	0.0028	/	Pass	
			40	3.87	8.305	0.0023	/	Pass	
			50	3.87	-6.885	-0.0019	/	Pass	
			3690	100	0	20	3.5	2.682	0.0007
3.87	5.116	0.0014					/	Pass	
4.45	0.553	0.0001					/	Pass	
-30	3.87	-12.087				-0.0033	/	Pass	
-20	3.87	-5.964				-0.0016	/	Pass	
-10	3.87	10.731				0.0029	/	Pass	
0	3.87	15.728				0.0043	/	Pass	
10	3.87	-1.515				-0.0004	/	Pass	
30	3.87	6.767				0.0018	/	Pass	
40	3.87	-11.205				-0.0030	/	Pass	
50	3.87	-11.492				-0.0031	/	Pass	
64QAM	3560	100				20	3.5	-8.965	-0.0025
			3.87	3.450	0.0010		/	Pass	
			4.45	-1.095	-0.0003		/	Pass	
			-30	3.87	11.148	0.0031	/	Pass	
			-20	3.87	-0.735	-0.0002	/	Pass	
			-10	3.87	-3.303	-0.0009	/	Pass	
			0	3.87	1.384	0.0004	/	Pass	
			10	3.87	-19.268	-0.0054	/	Pass	
			30	3.87	8.128	0.0023	/	Pass	
			40	3.87	-3.907	-0.0011	/	Pass	
			50	3.87	5.044	0.0014	/	Pass	
			3625	100	0	20	3.5	11.272	0.0031
	3.87	5.583					0.0015	/	Pass
	4.45	11.234					0.0031	/	Pass
	-30	3.87				-0.946	-0.0003	/	Pass
	-20	3.87				0.043	0.0000	/	Pass
	-10	3.87				-5.909	-0.0016	/	Pass
	0	3.87				-1.401	-0.0004	/	Pass
	10	3.87				-11.573	-0.0032	/	Pass
	30	3.87				-0.237	-0.0001	/	Pass
	40	3.87				1.412	0.0004	/	Pass
	50	3.87				-3.086	-0.0009	/	Pass
	3690	100				0	20	3.5	4.633
			3.87	0.715	0.0002			/	Pass



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Rev.: 01

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				4.45	4.383	0.0012	/	Pass
				-30	3.87	-1.954	-0.0005	Pass
				-20	3.87	-4.470	-0.0012	Pass
				-10	3.87	-1.901	-0.0005	Pass
				0	3.87	-7.723	-0.0021	Pass
				10	3.87	-1.121	-0.0003	Pass
				30	3.87	-14.871	-0.0040	Pass
				40	3.87	-7.043	-0.0019	Pass
				50	3.87	6.707	0.0018	Pass



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**3. 99% & 26dB Bandwidth**

**3.1 Band48\_OBW**

**3.1.1 Test Result**

Band: 48 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3552.5	25	0	4.512	/	Pass
		3625	25	0	4.519	/	Pass
		3697.5	25	0	4.519	/	Pass
	16QAM	3552.5	25	0	4.540	/	Pass
		3625	25	0	4.508	/	Pass
		3697.5	25	0	4.518	/	Pass
	64QAM	3552.5	25	0	4.524	/	Pass
		3625	25	0	4.517	/	Pass
		3697.5	25	0	4.528	/	Pass
10	QPSK	3555	50	0	9.014	/	Pass
		3625	50	0	9.031	/	Pass
		3695	50	0	9.035	/	Pass
	16QAM	3555	50	0	9.016	/	Pass
		3625	50	0	9.004	/	Pass
		3695	50	0	9.013	/	Pass
	64QAM	3555	50	0	8.983	/	Pass
		3625	50	0	8.992	/	Pass
		3695	50	0	9.019	/	Pass
15	QPSK	3557.5	75	0	13.550	/	Pass
		3625	75	0	13.500	/	Pass
		3692.5	75	0	13.483	/	Pass
	16QAM	3557.5	75	0	13.549	/	Pass
		3625	75	0	13.508	/	Pass
		3692.5	75	0	13.528	/	Pass
	64QAM	3557.5	75	0	13.480	/	Pass
		3625	75	0	13.524	/	Pass
		3692.5	75	0	13.510	/	Pass
20	QPSK	3560	100	0	18.108	/	Pass
		3625	100	0	18.069	/	Pass
		3690	100	0	18.099	/	Pass
	16QAM	3560	100	0	18.036	/	Pass
		3625	100	0	18.101	/	Pass
		3690	100	0	18.079	/	Pass
	64QAM	3560	100	0	18.032	/	Pass
		3625	100	0	18.061	/	Pass
		3690	100	0	18.100	/	Pass



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3.2 Band48\_XDB

3.2.1 Test Result

Band: 48 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3552.5	25	0	4.980	/	Pass
		3625	25	0	5.209	/	Pass
		3697.5	25	0	5.011	/	Pass
	16QAM	3552.5	25	0	5.048	/	Pass
		3625	25	0	5.166	/	Pass
		3697.5	25	0	5.063	/	Pass
	64QAM	3552.5	25	0	5.227	/	Pass
		3625	25	0	4.979	/	Pass
		3697.5	25	0	5.111	/	Pass
10	QPSK	3555	50	0	10.171	/	Pass
		3625	50	0	10.784	/	Pass
		3695	50	0	10.359	/	Pass
	16QAM	3555	50	0	9.857	/	Pass
		3625	50	0	9.908	/	Pass
		3695	50	0	9.937	/	Pass
	64QAM	3555	50	0	9.891	/	Pass
		3625	50	0	9.939	/	Pass
		3695	50	0	9.983	/	Pass
15	QPSK	3557.5	75	0	15.196	/	Pass
		3625	75	0	15.458	/	Pass
		3692.5	75	0	15.279	/	Pass
	16QAM	3557.5	75	0	15.150	/	Pass
		3625	75	0	14.735	/	Pass
		3692.5	75	0	15.370	/	Pass
	64QAM	3557.5	75	0	14.755	/	Pass
		3625	75	0	15.324	/	Pass
		3692.5	75	0	15.164	/	Pass
20	QPSK	3560	100	0	20.553	/	Pass
		3625	100	0	21.047	/	Pass
		3690	100	0	21.374	/	Pass
	16QAM	3560	100	0	19.613	/	Pass
		3625	100	0	21.278	/	Pass
		3690	100	0	20.615	/	Pass
	64QAM	3560	100	0	20.342	/	Pass
		3625	100	0	20.189	/	Pass
		3690	100	0	20.351	/	Pass



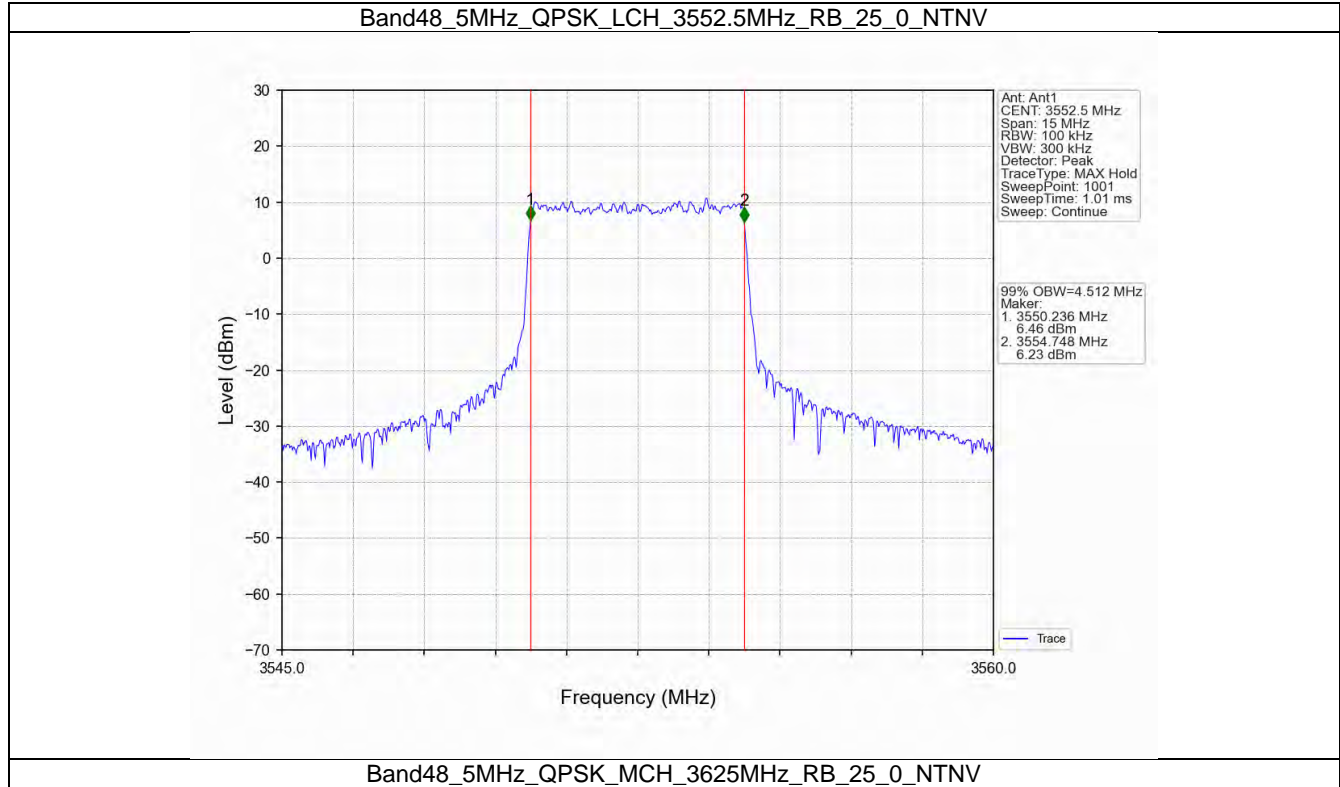
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3.1 Band48\_OBW

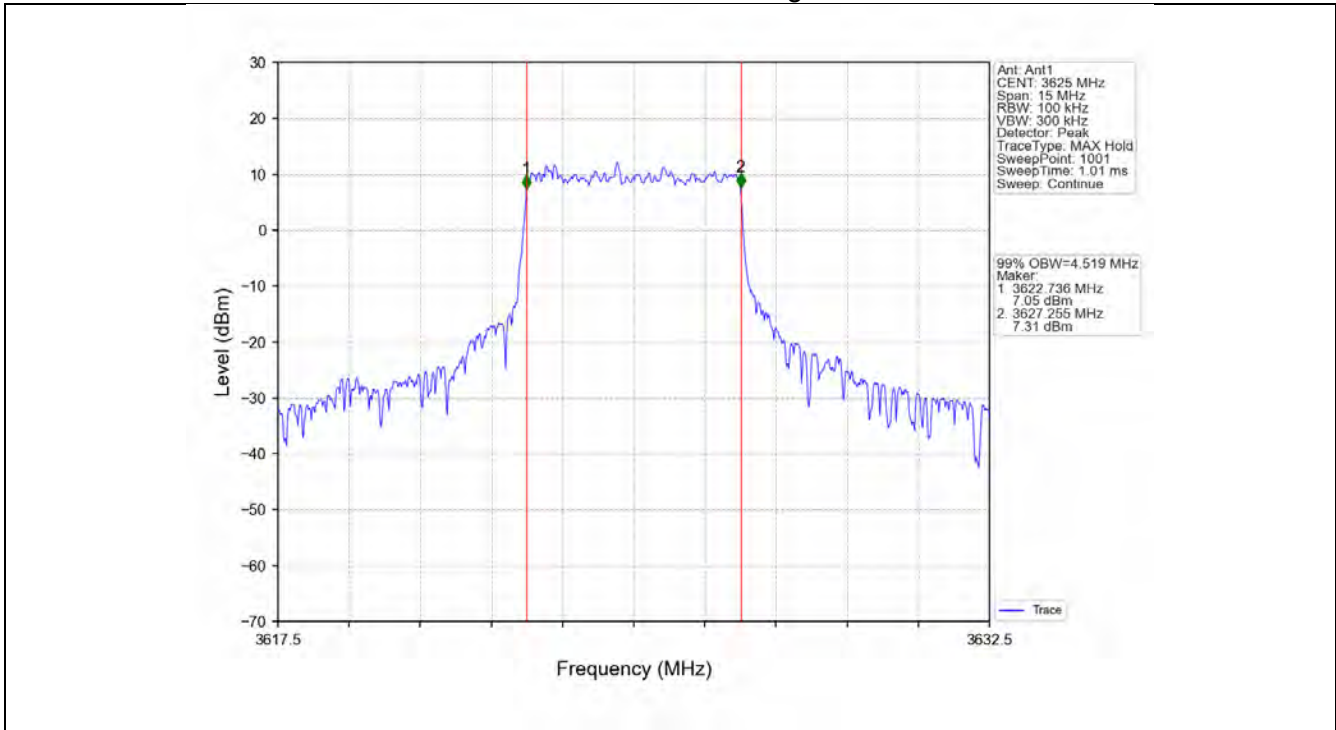
3.1.2 Test Graph



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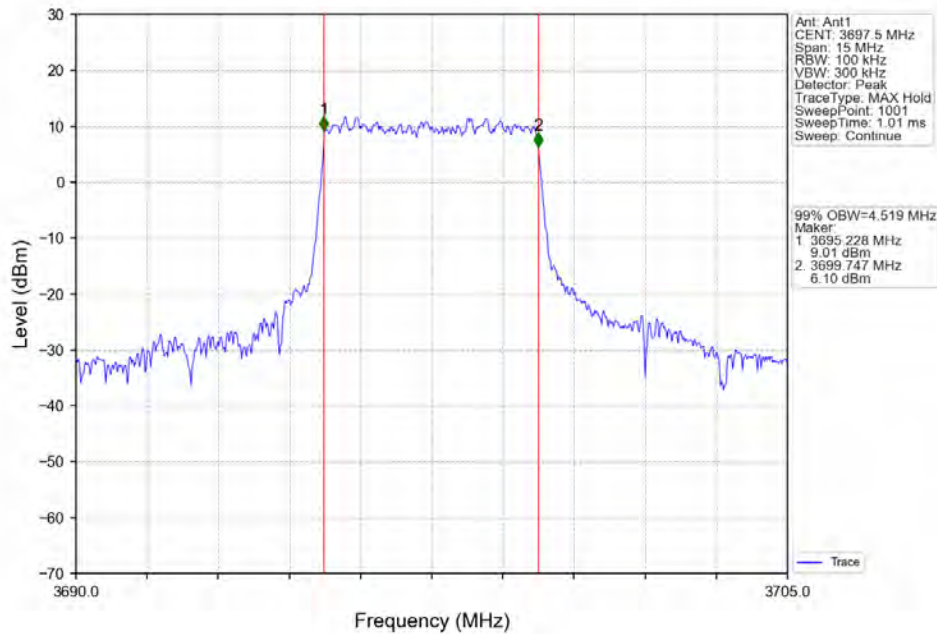


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Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_25\_0\_NTNV



Band48\_5MHz\_16QAM\_LCH\_3552.5MHz\_RB\_25\_0\_NTNV

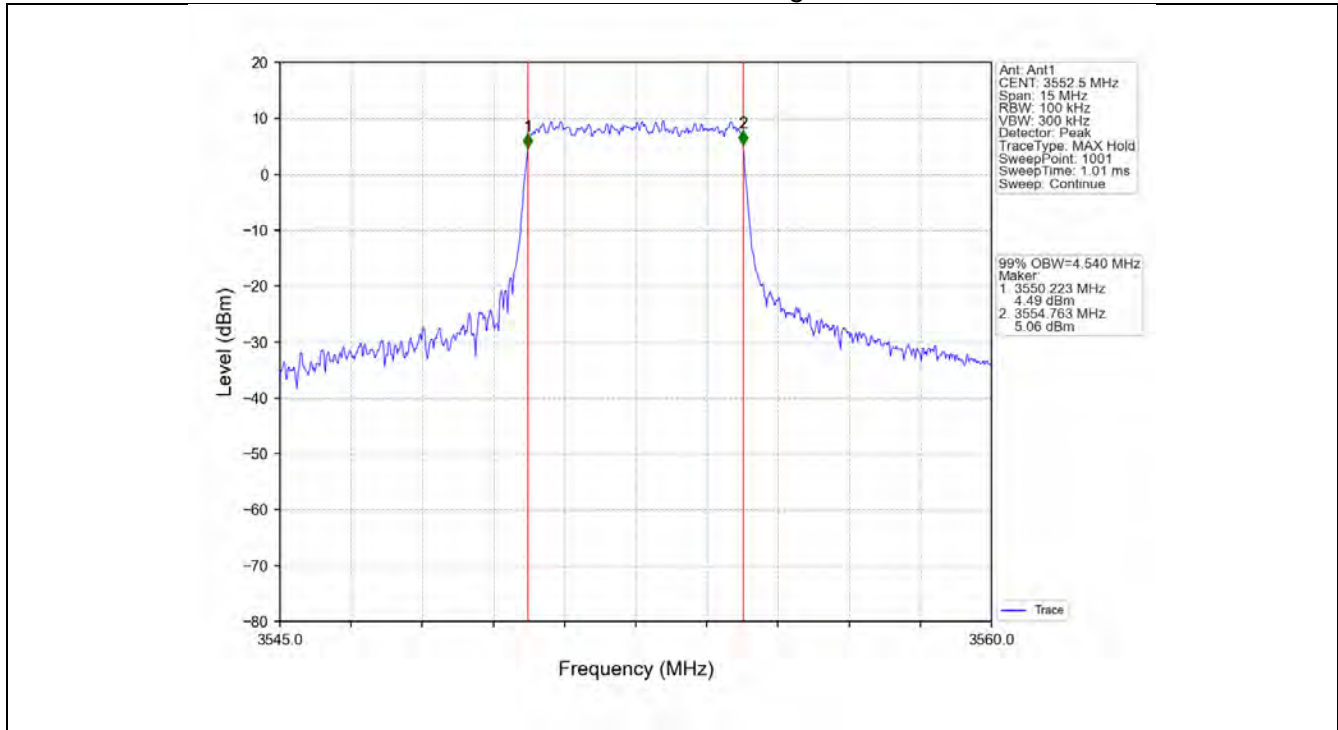


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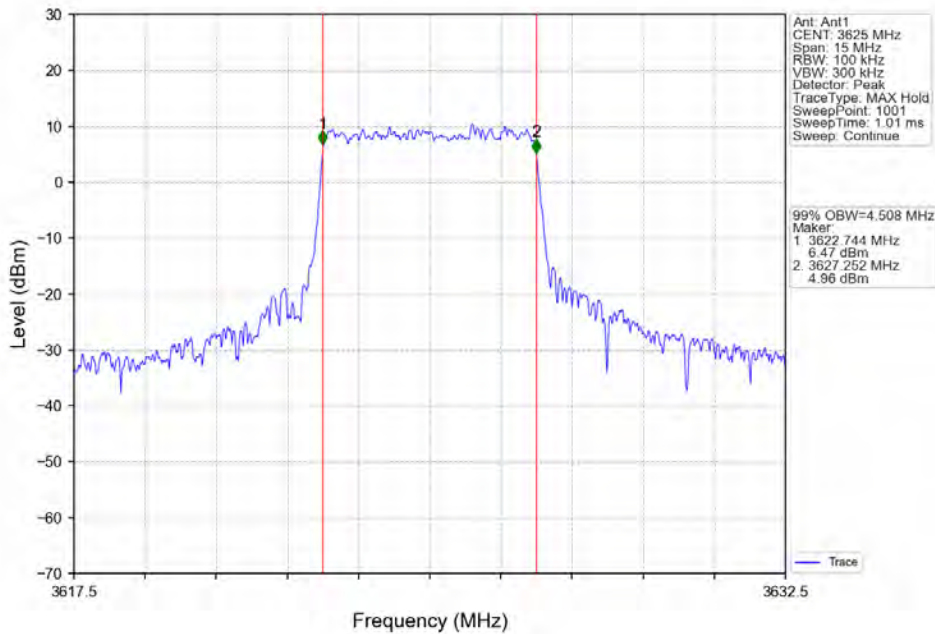


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Band48\_5MHz\_16QAM\_MCH\_3625MHz\_RB\_25\_0\_NTNV



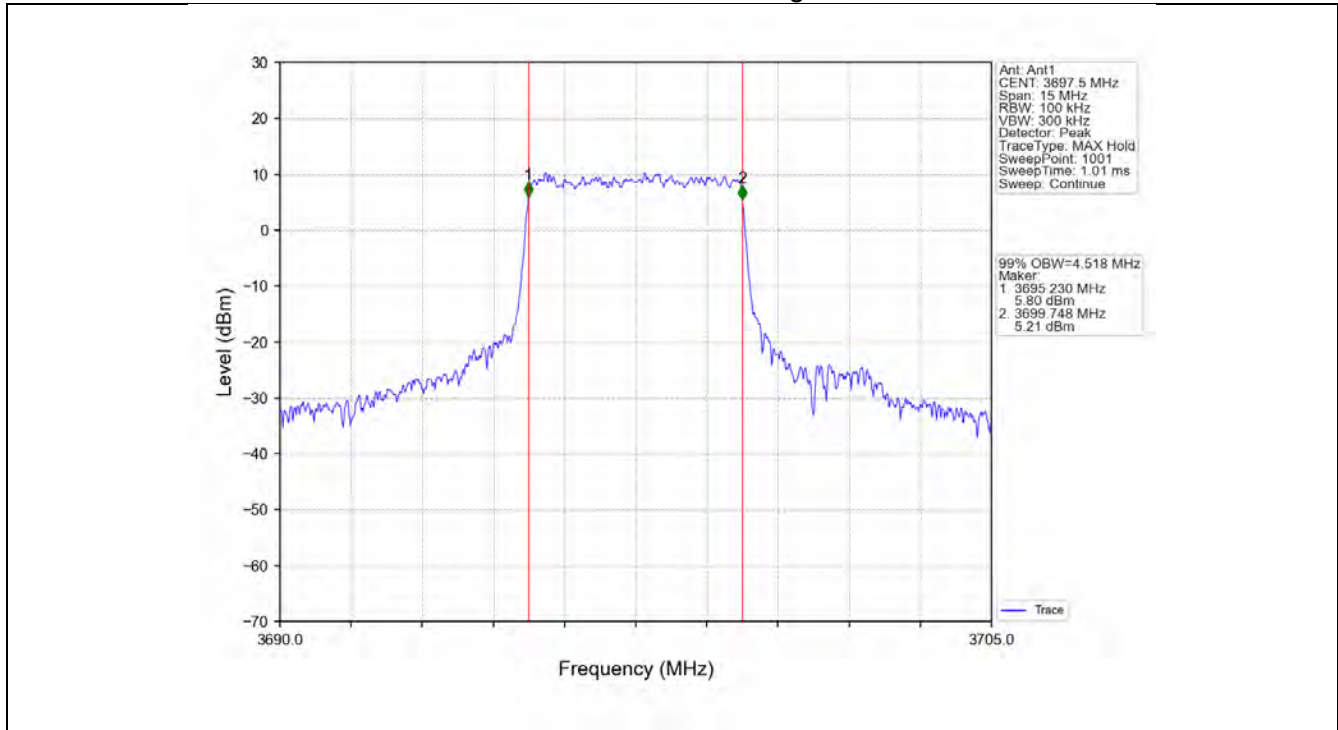
Band48\_5MHz\_16QAM\_HCH\_3697.5MHz\_RB\_25\_0\_NTNV



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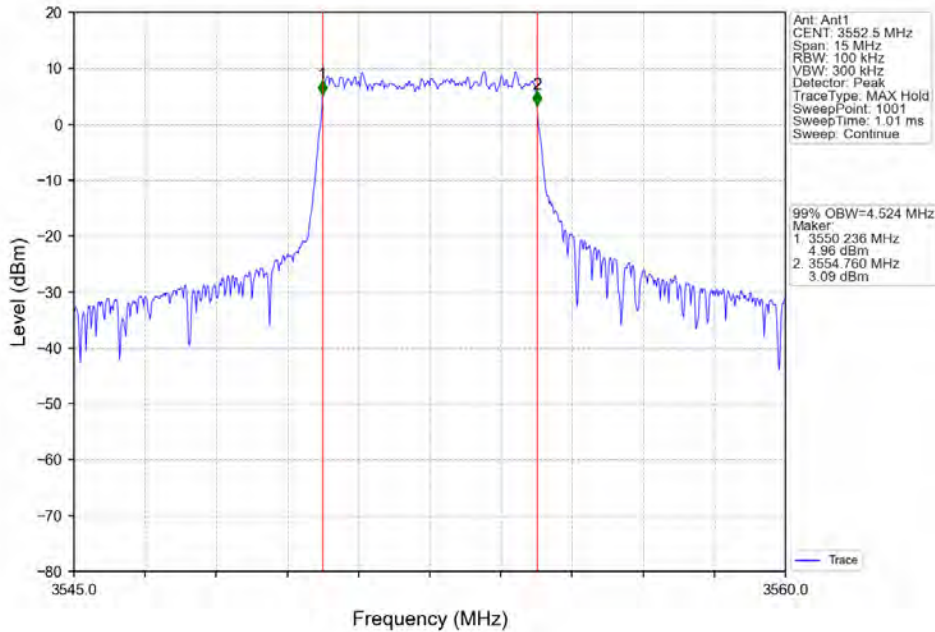
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Band48\_5MHz\_64QAM\_LCH\_3552.5MHz\_RB\_25\_0\_NTNV



Band48\_5MHz\_64QAM\_MCH\_3625MHz\_RB\_25\_0\_NTNV

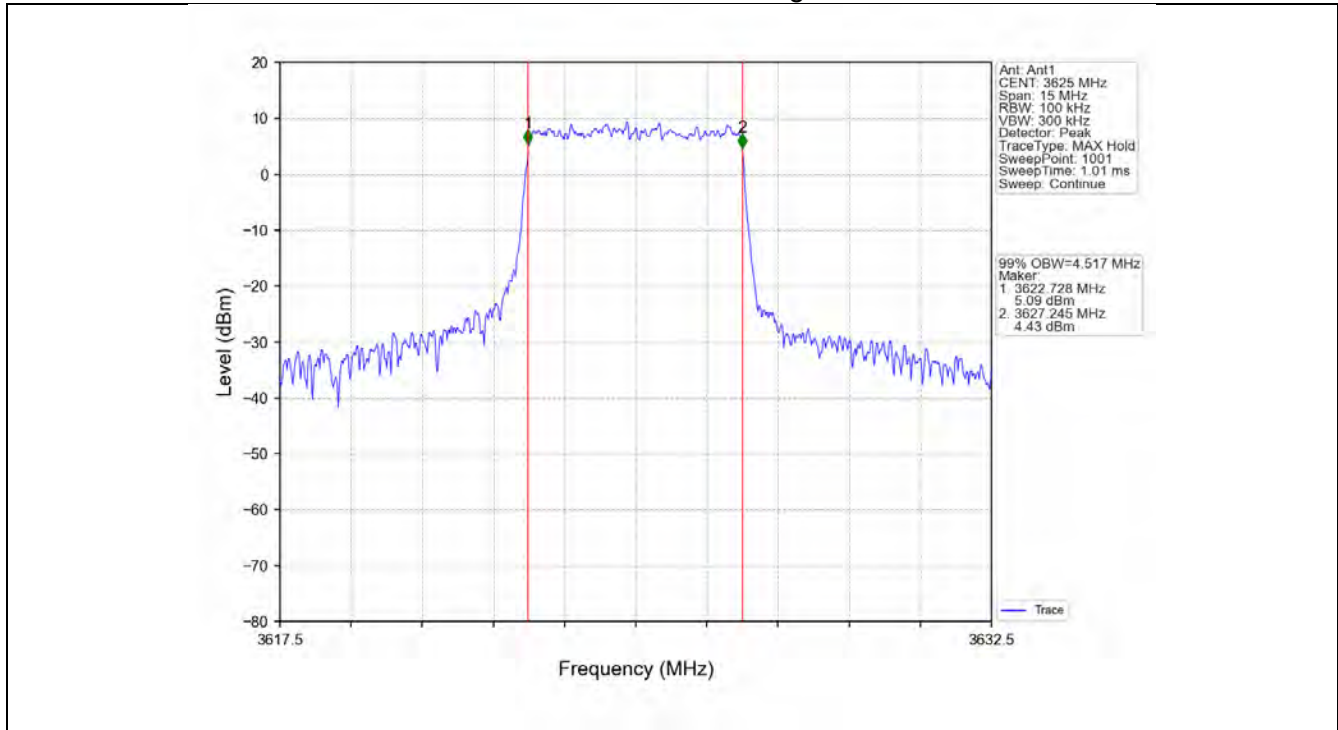


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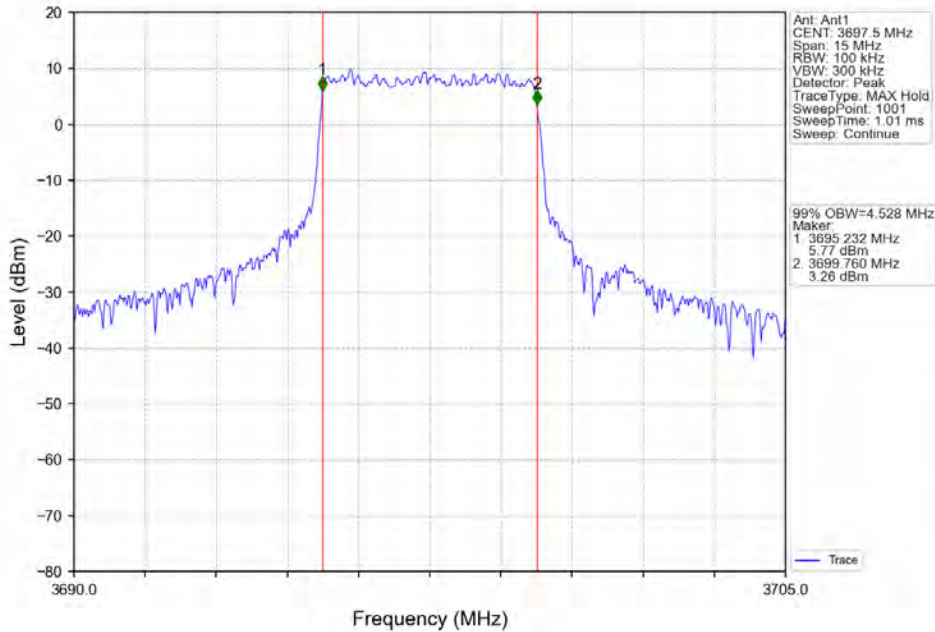
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Band48\_5MHz\_64QAM\_HCH\_3697.5MHz\_RB\_25\_0\_NTNV



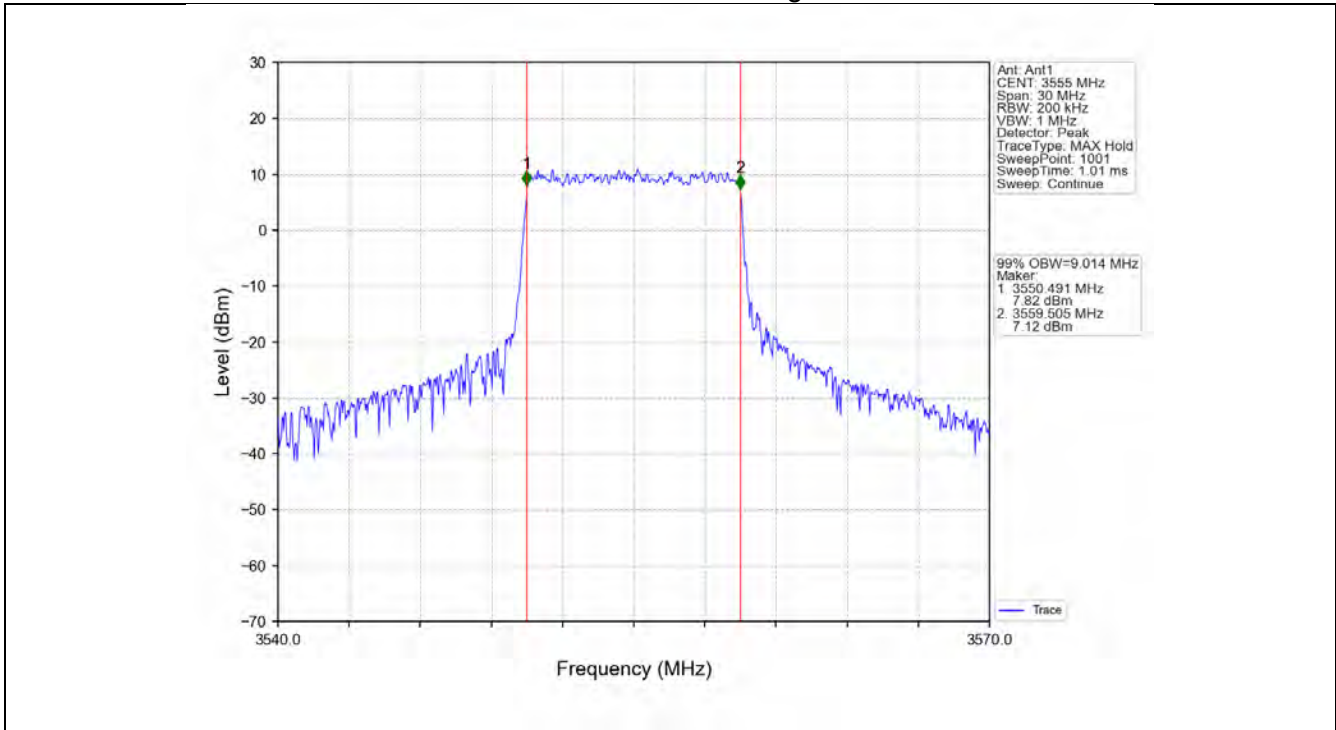
Band48\_10MHz\_QPSK\_LCH\_3555MHz\_RB\_50\_0\_NTNV



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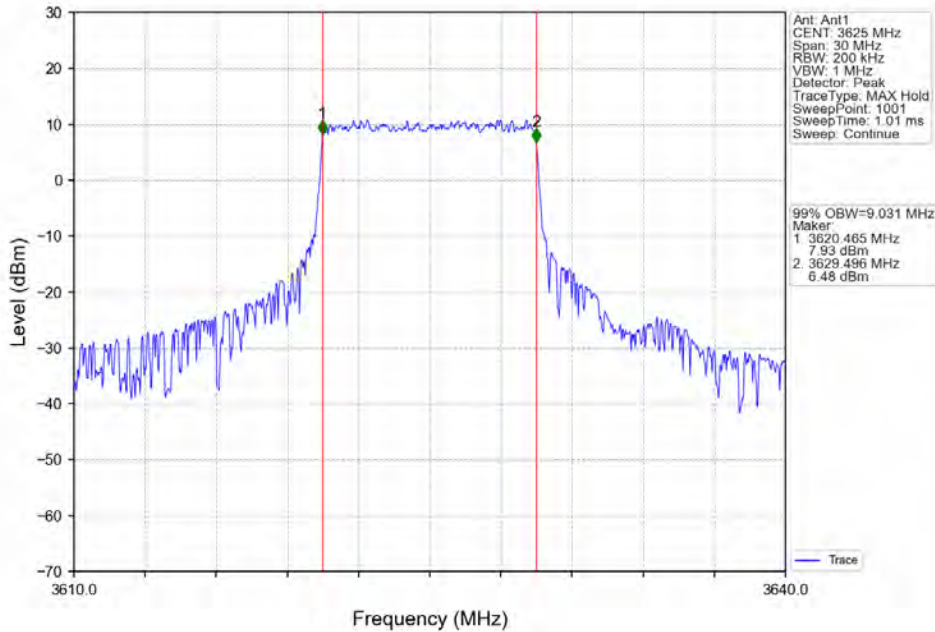


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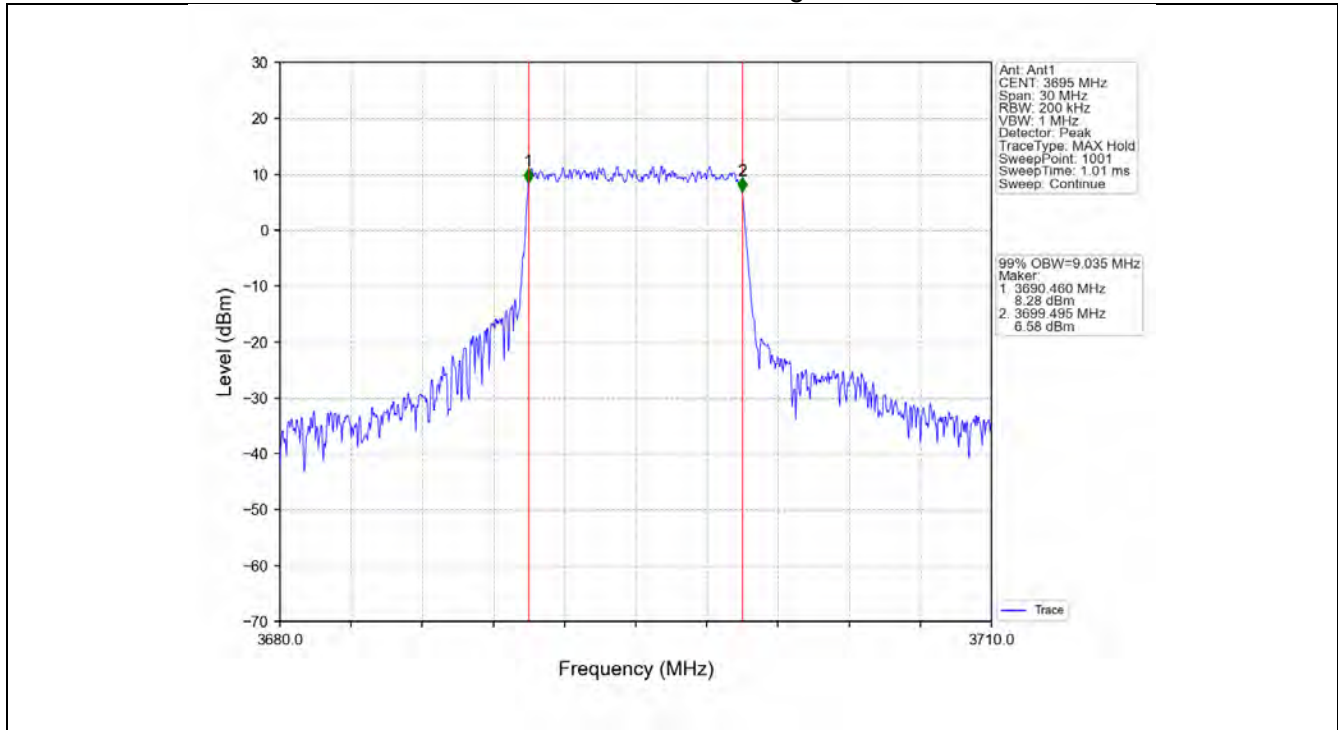
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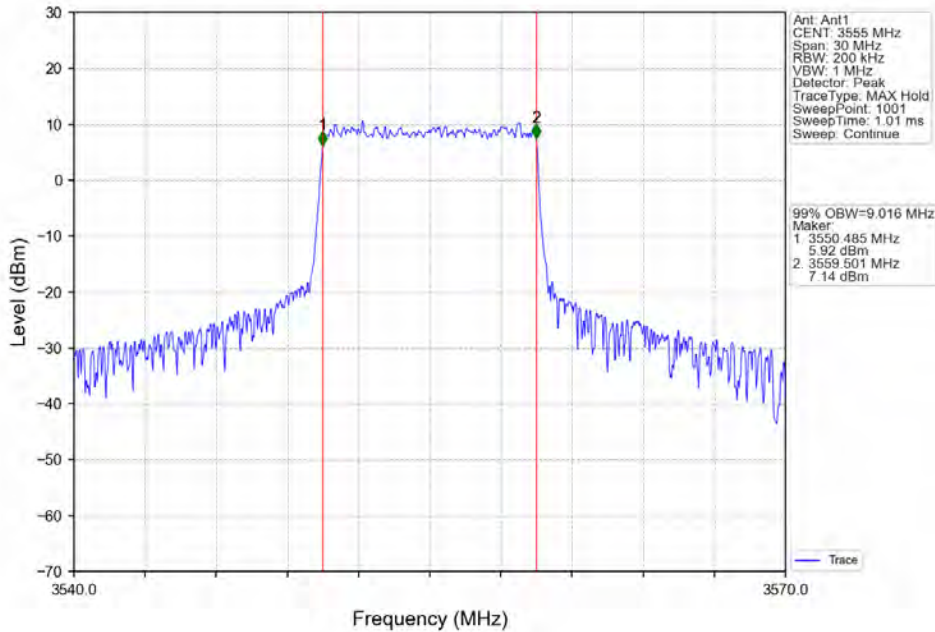
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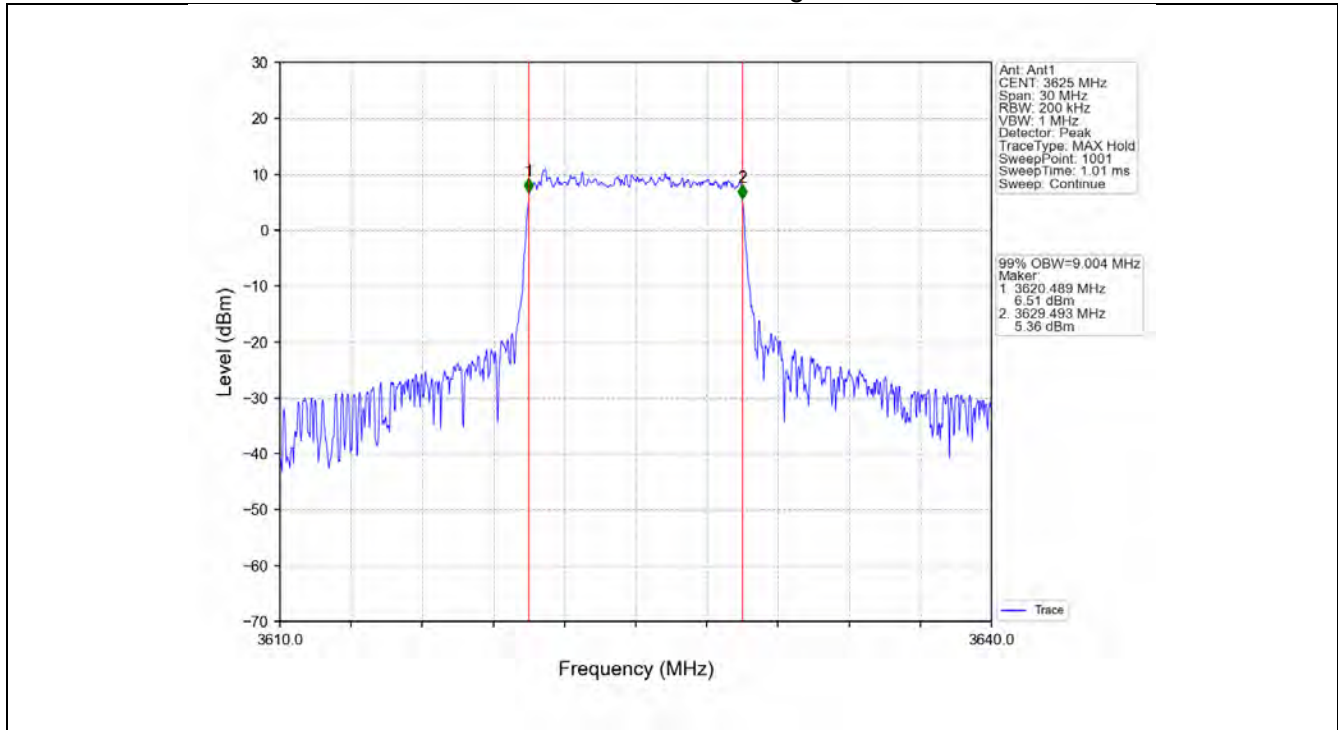


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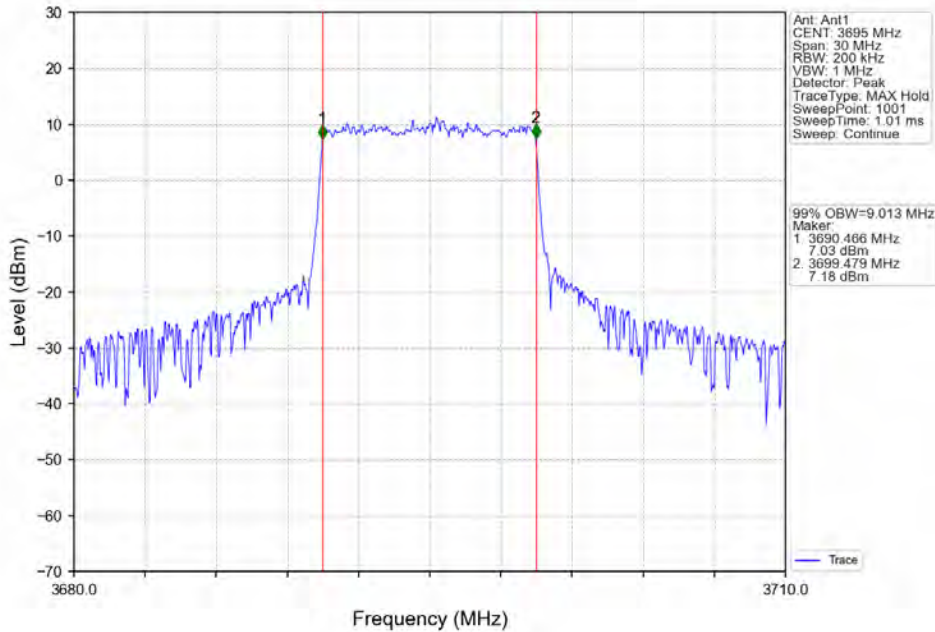


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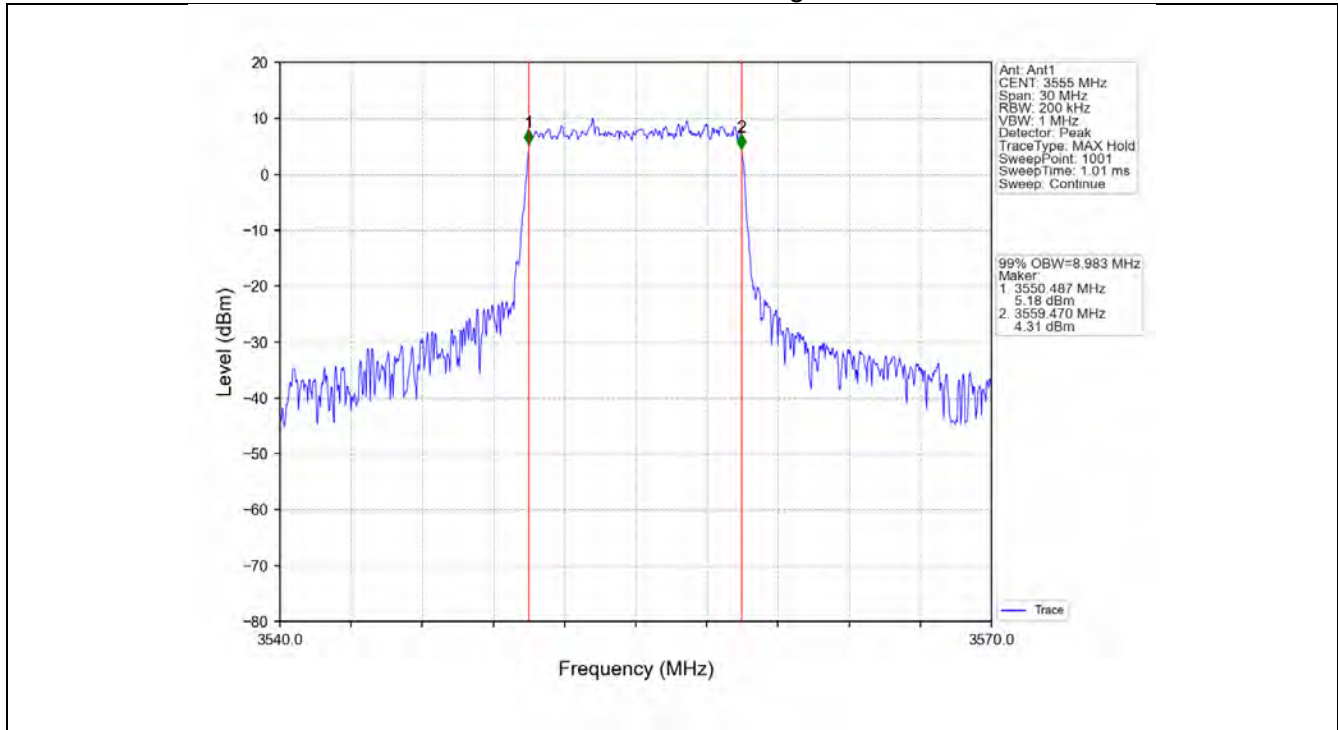
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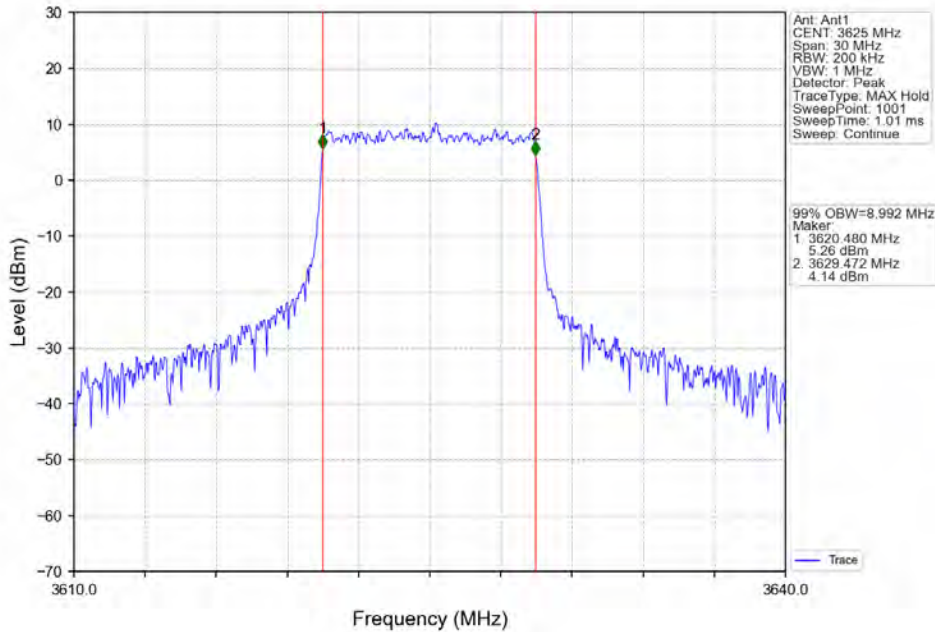


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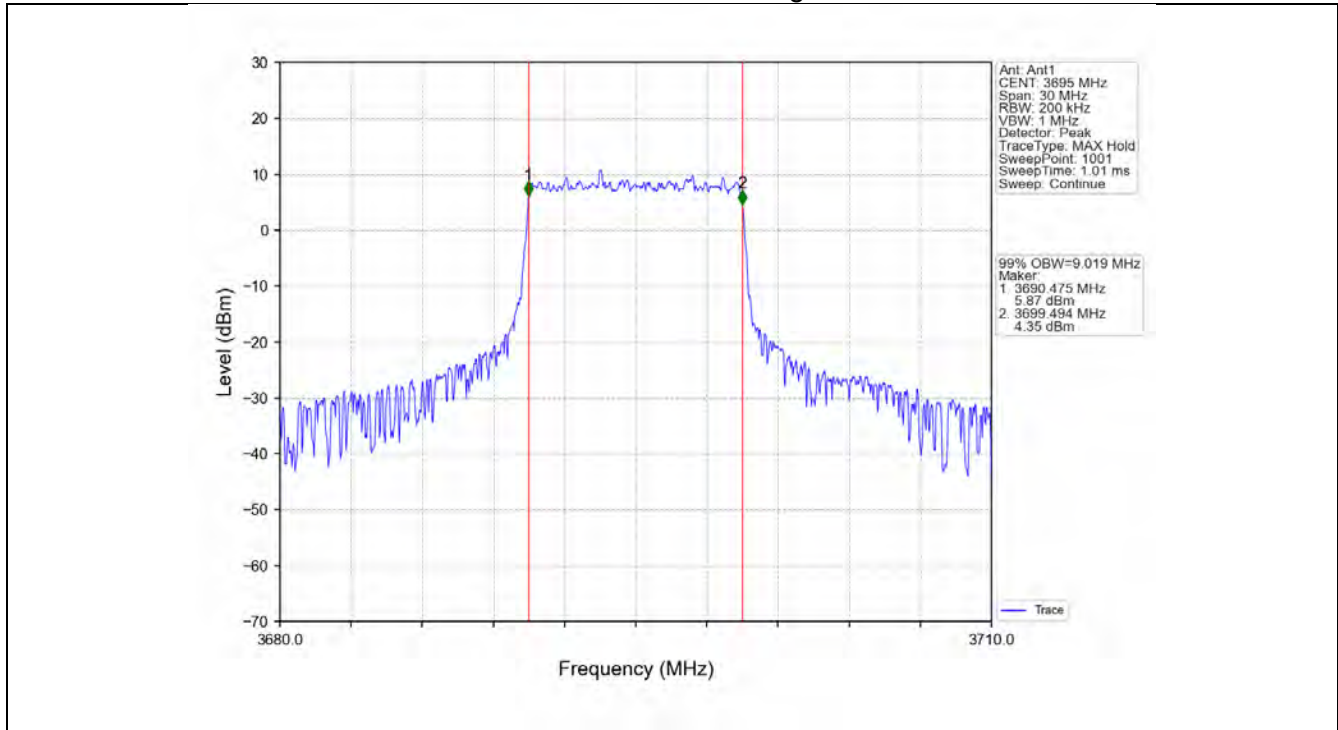


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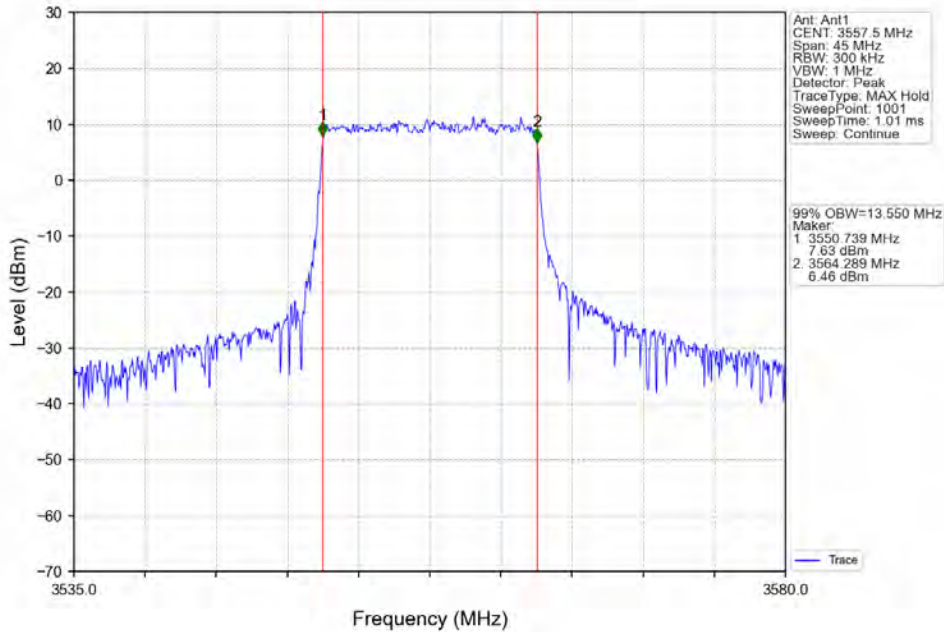
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Band48\_15MHz\_QPSK\_LCH\_3557.5MHz\_RB\_75\_0\_NTNV



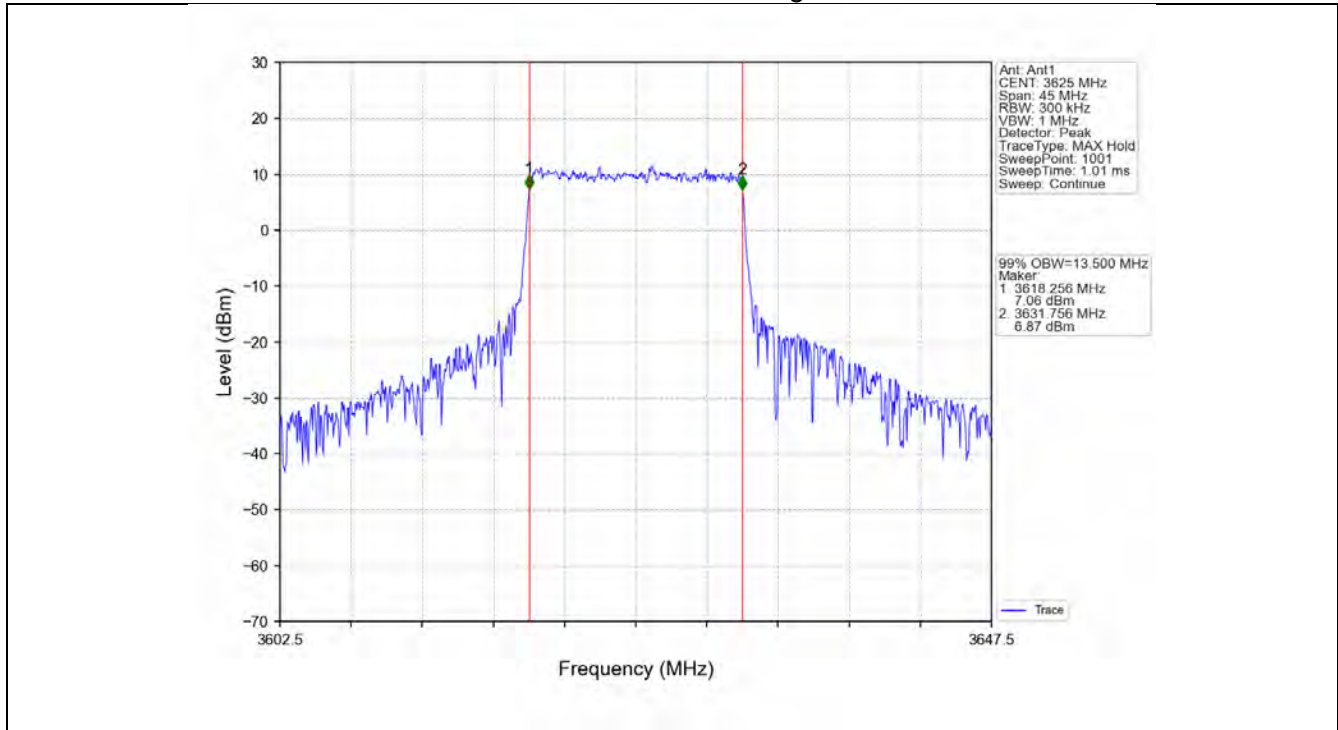
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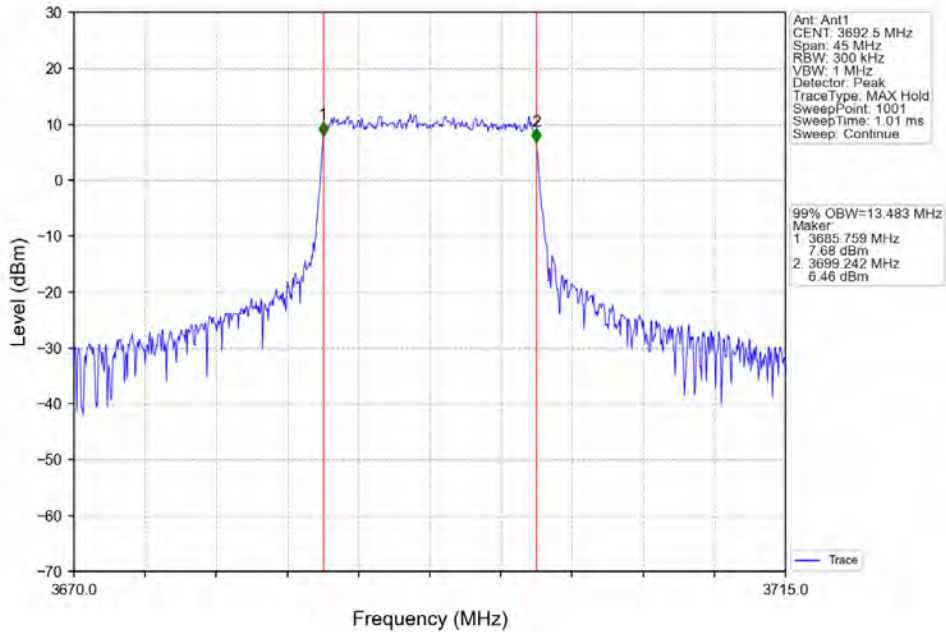
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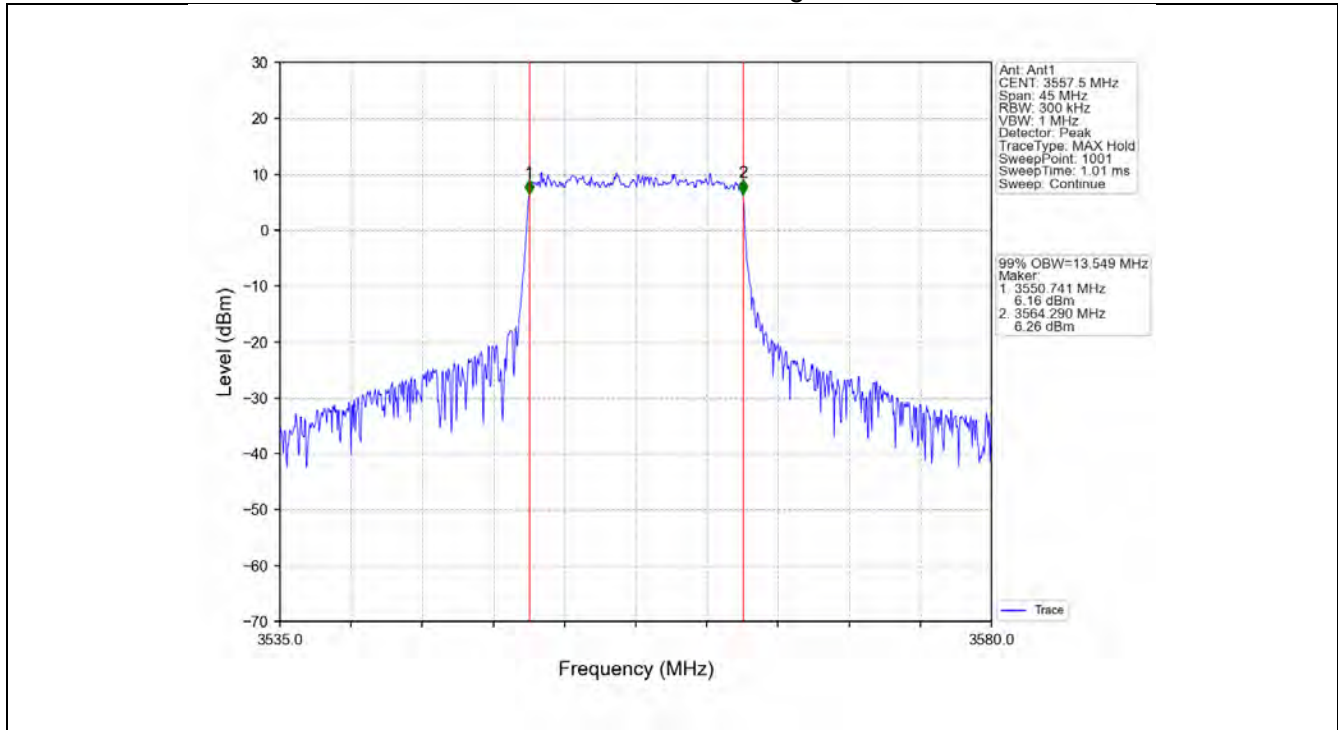
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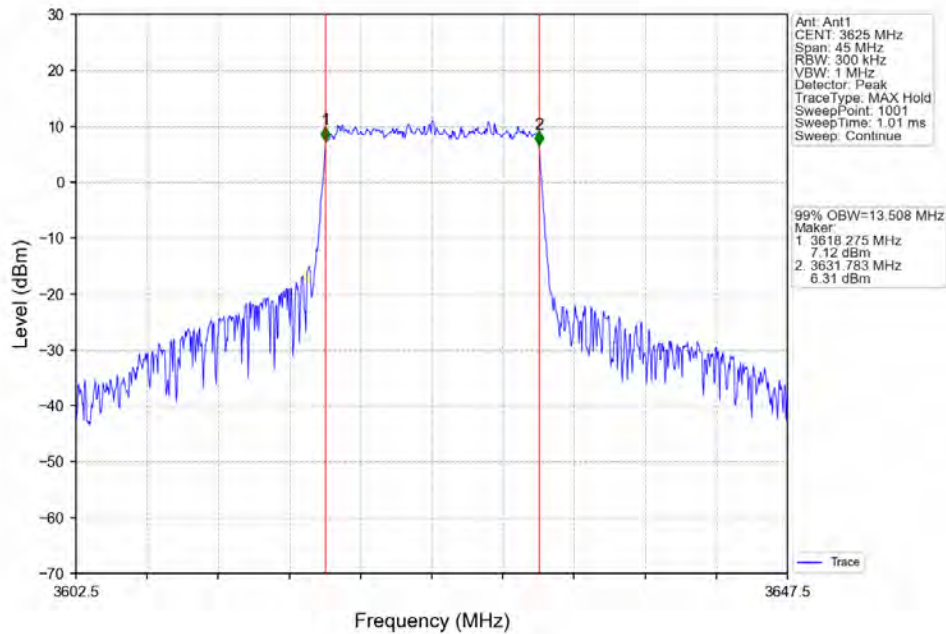
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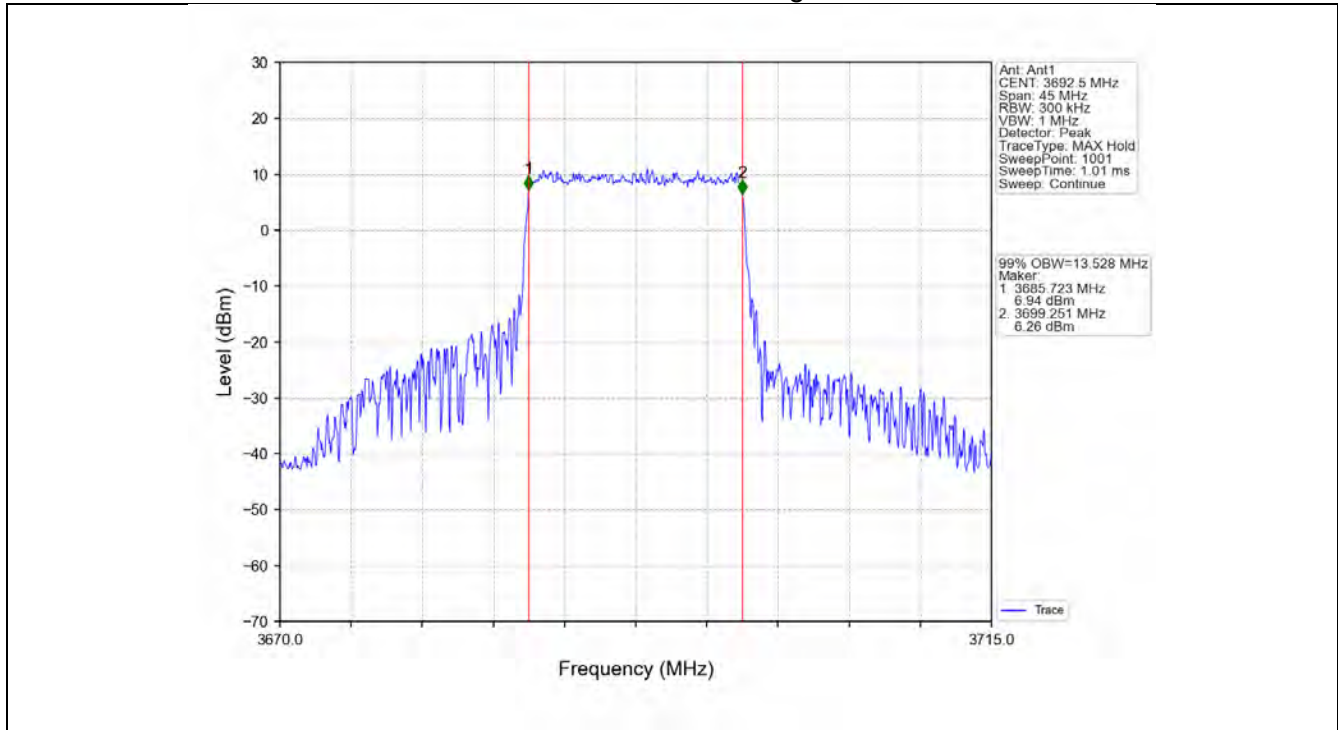
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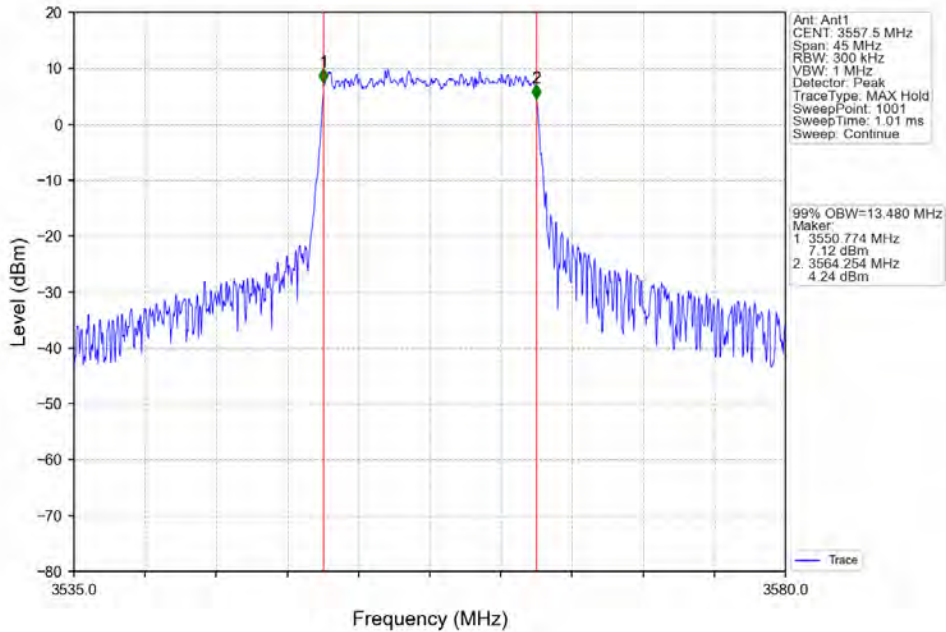


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Band48\_15MHz\_64QAM\_LCH\_3557.5MHz\_RB\_75\_0\_NTNV



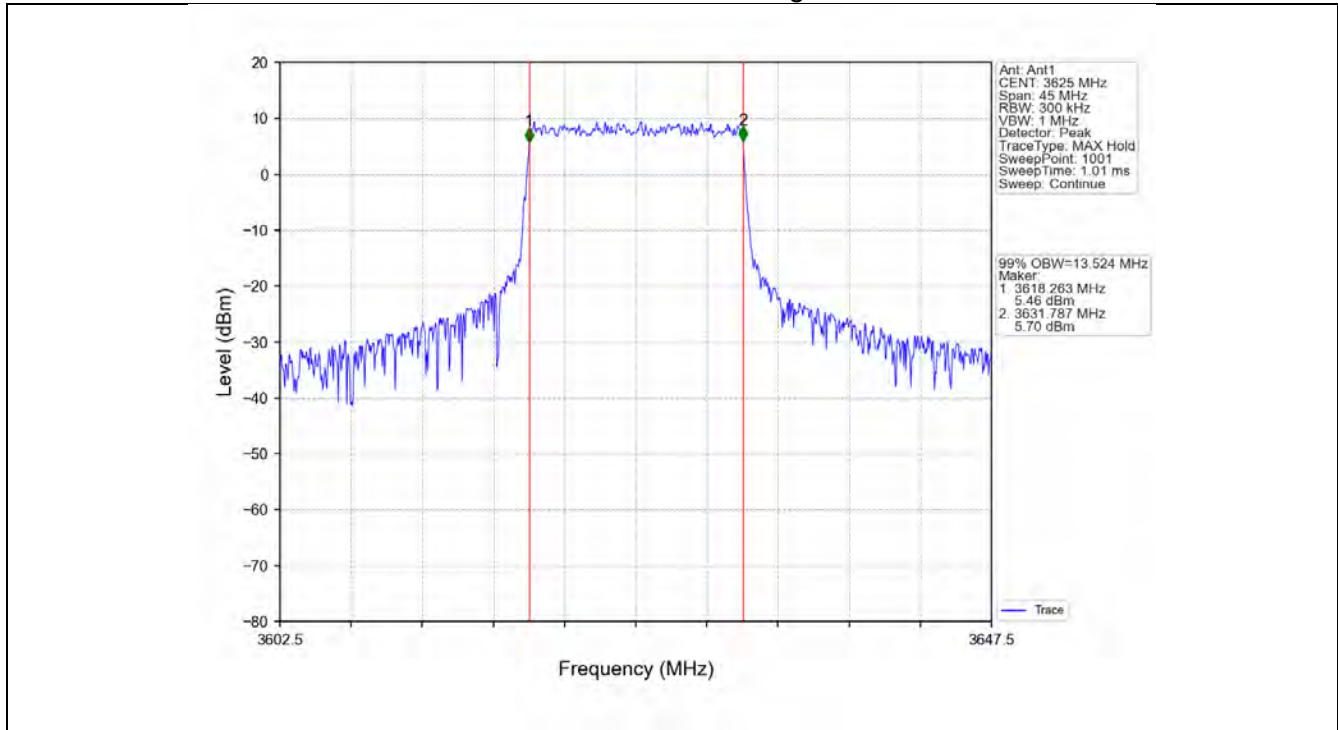
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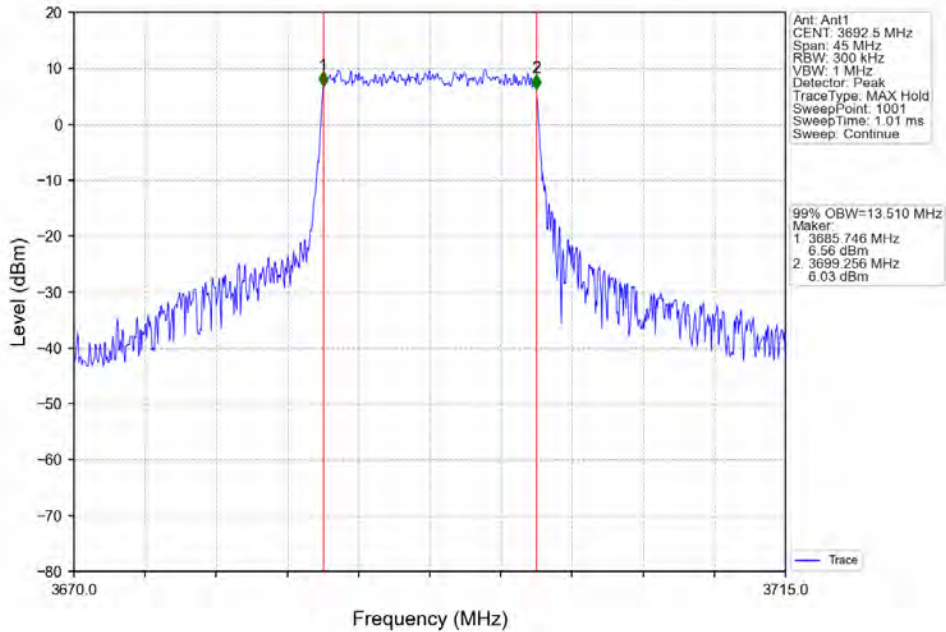
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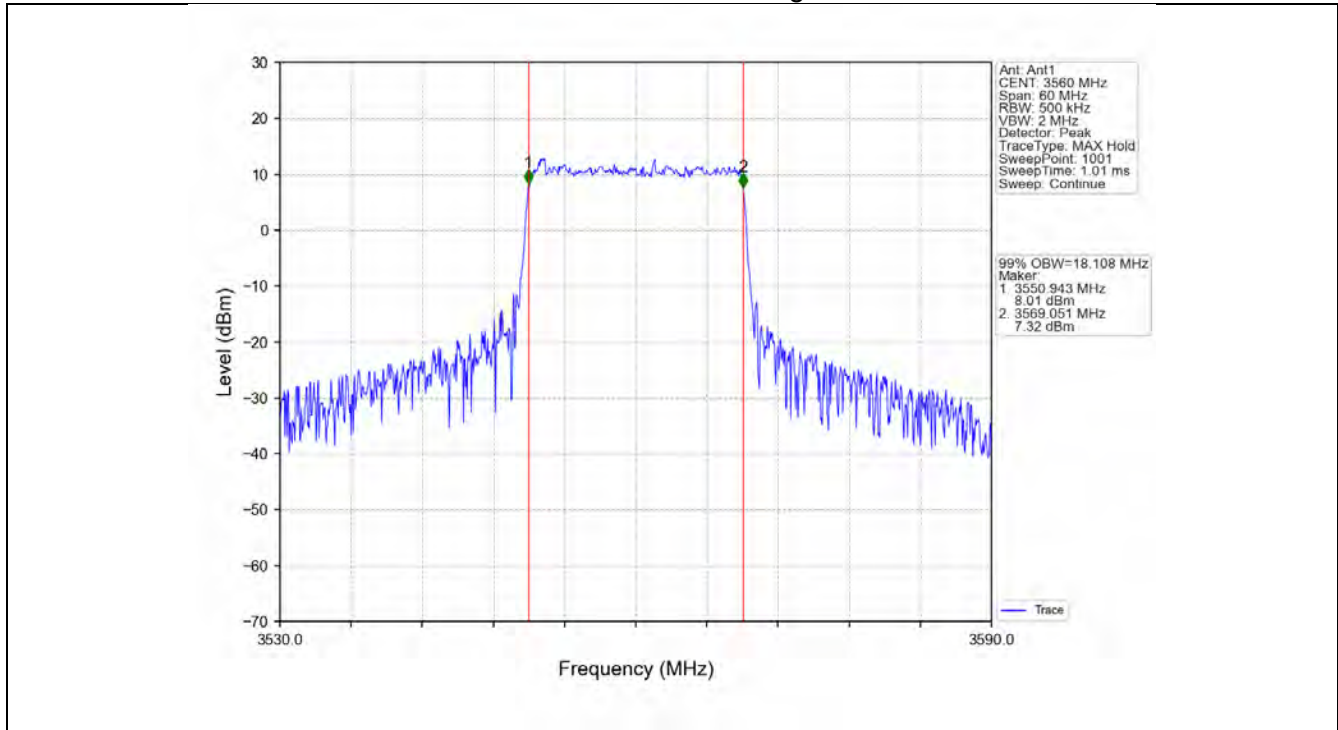
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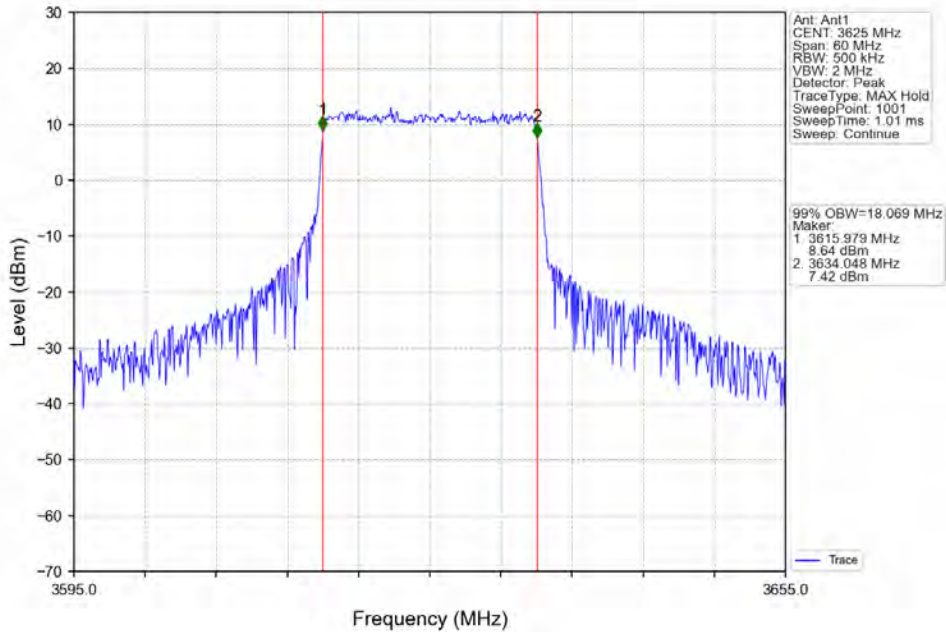


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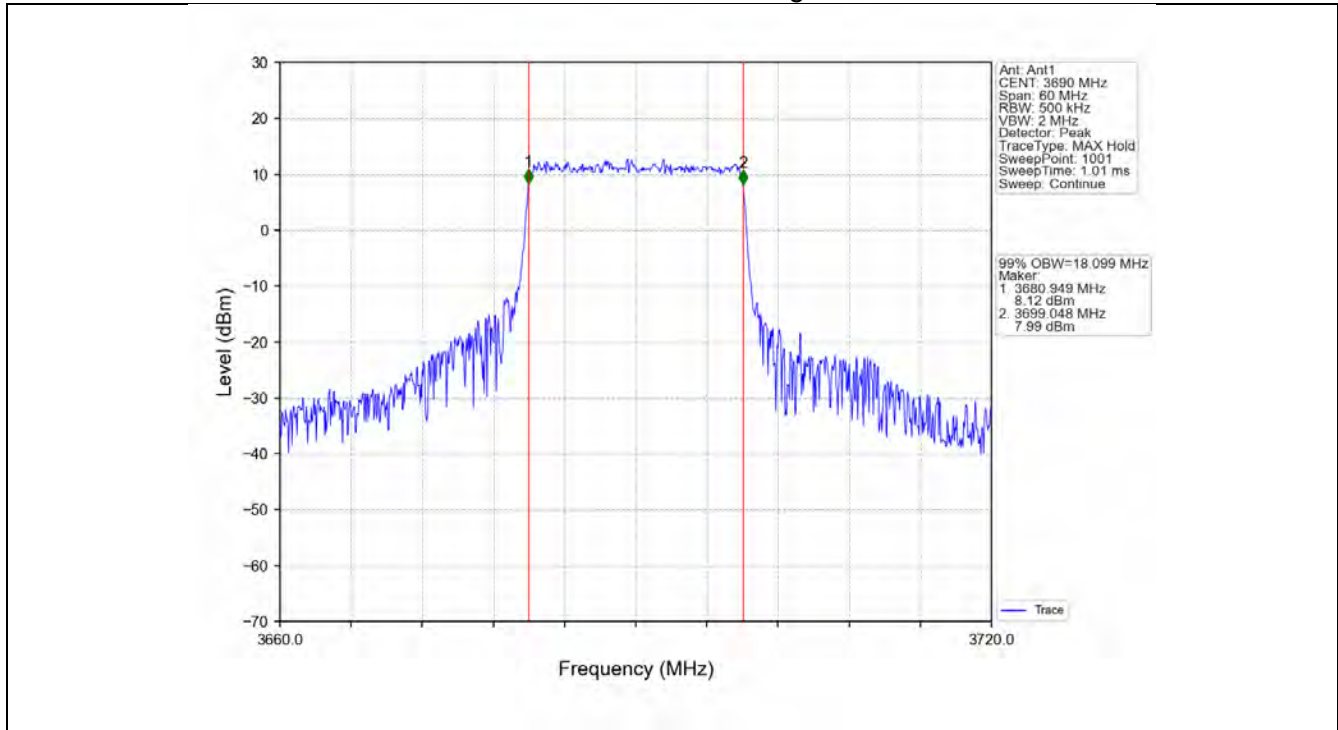
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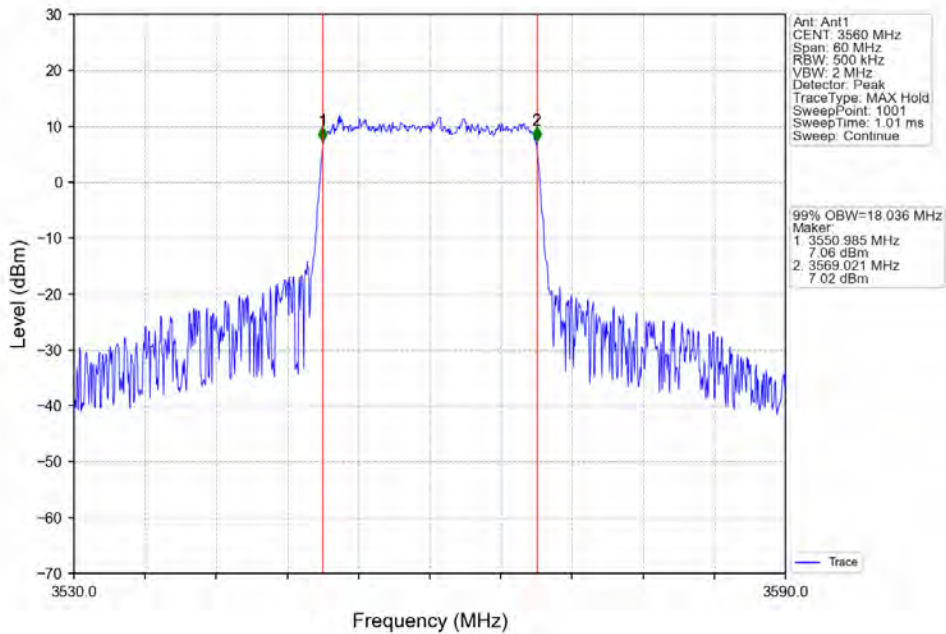
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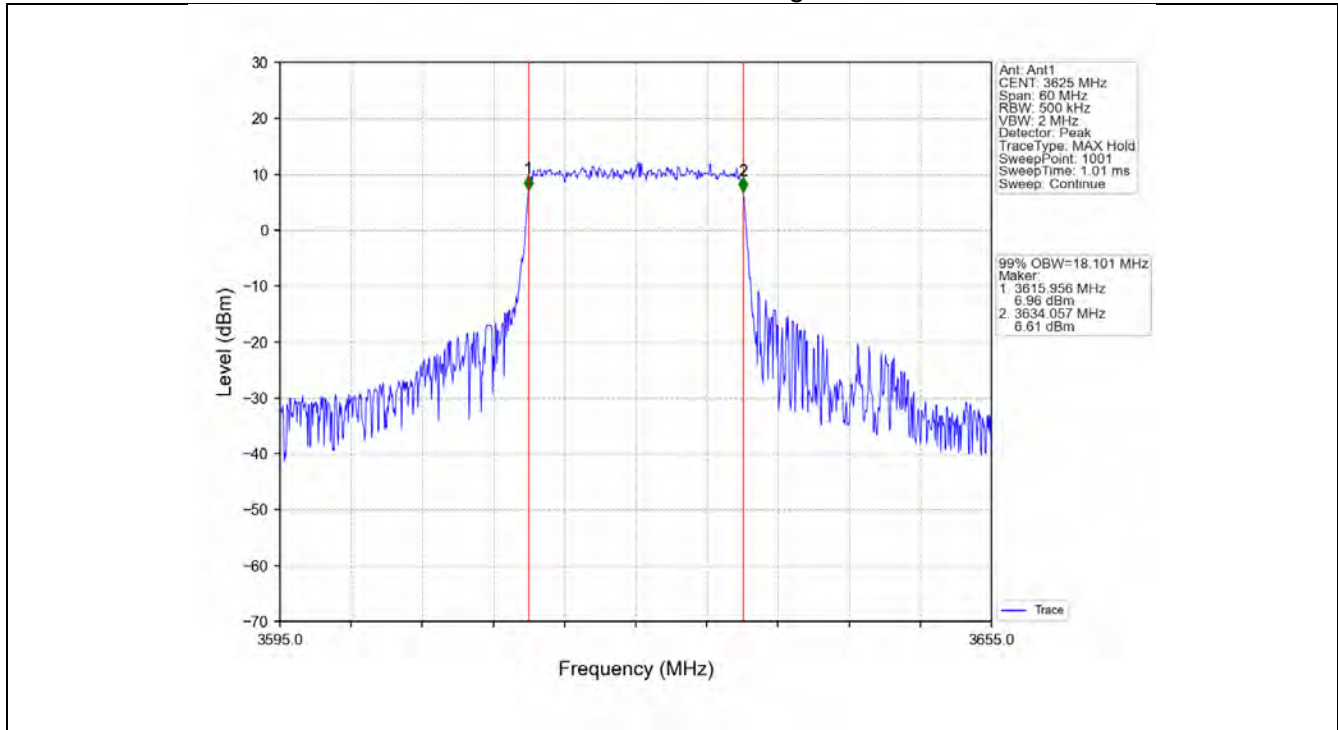
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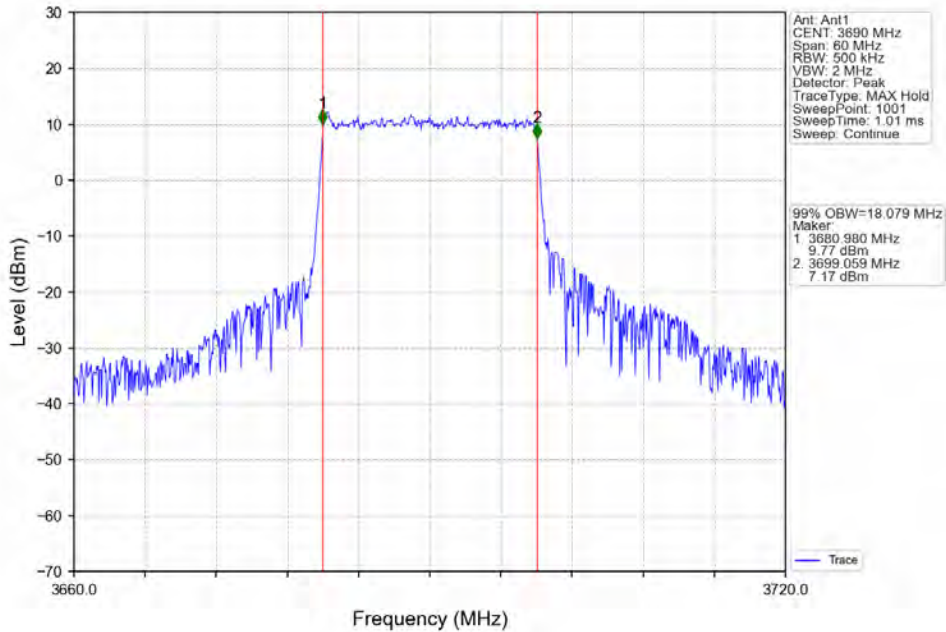


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Band48\_20MHz\_16QAM\_HCH\_3690MHz\_RB\_100\_0\_NTNV



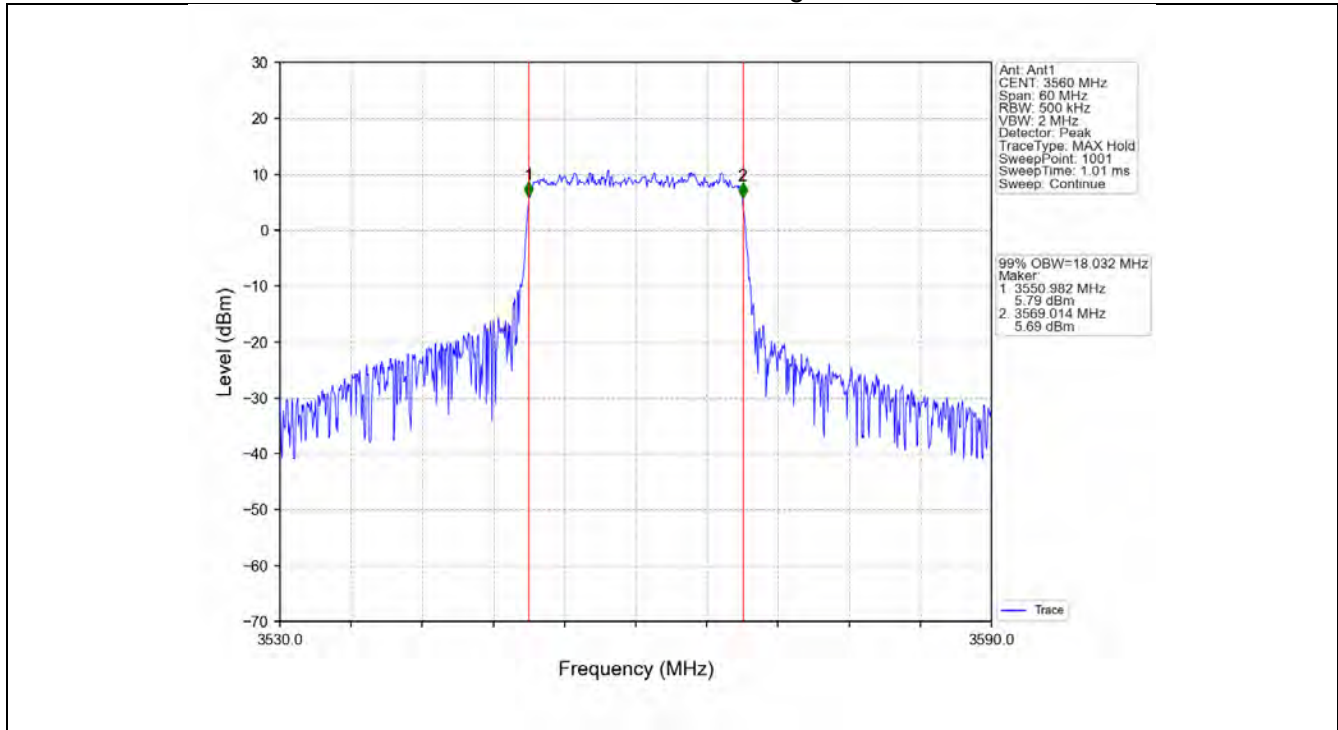
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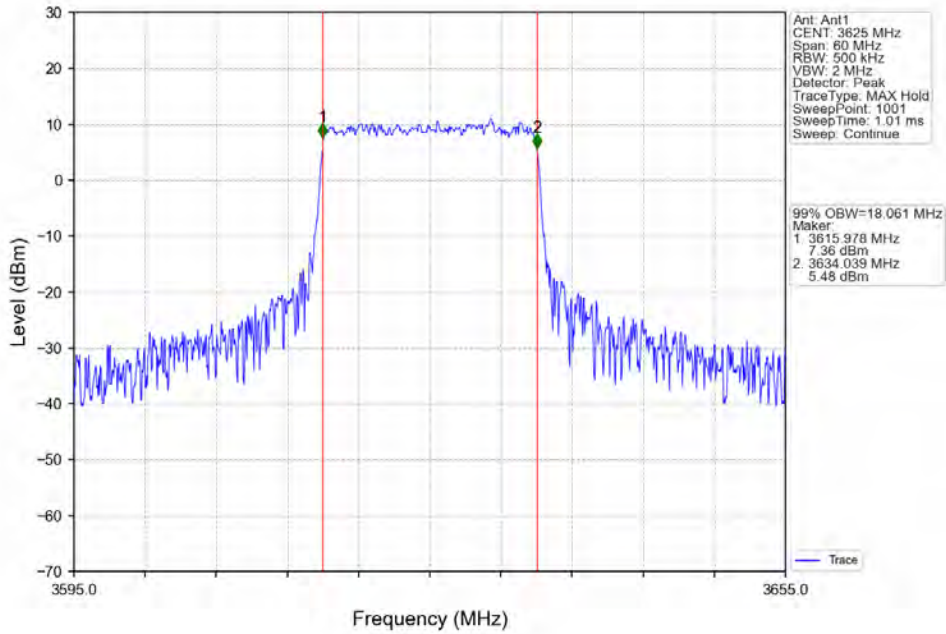
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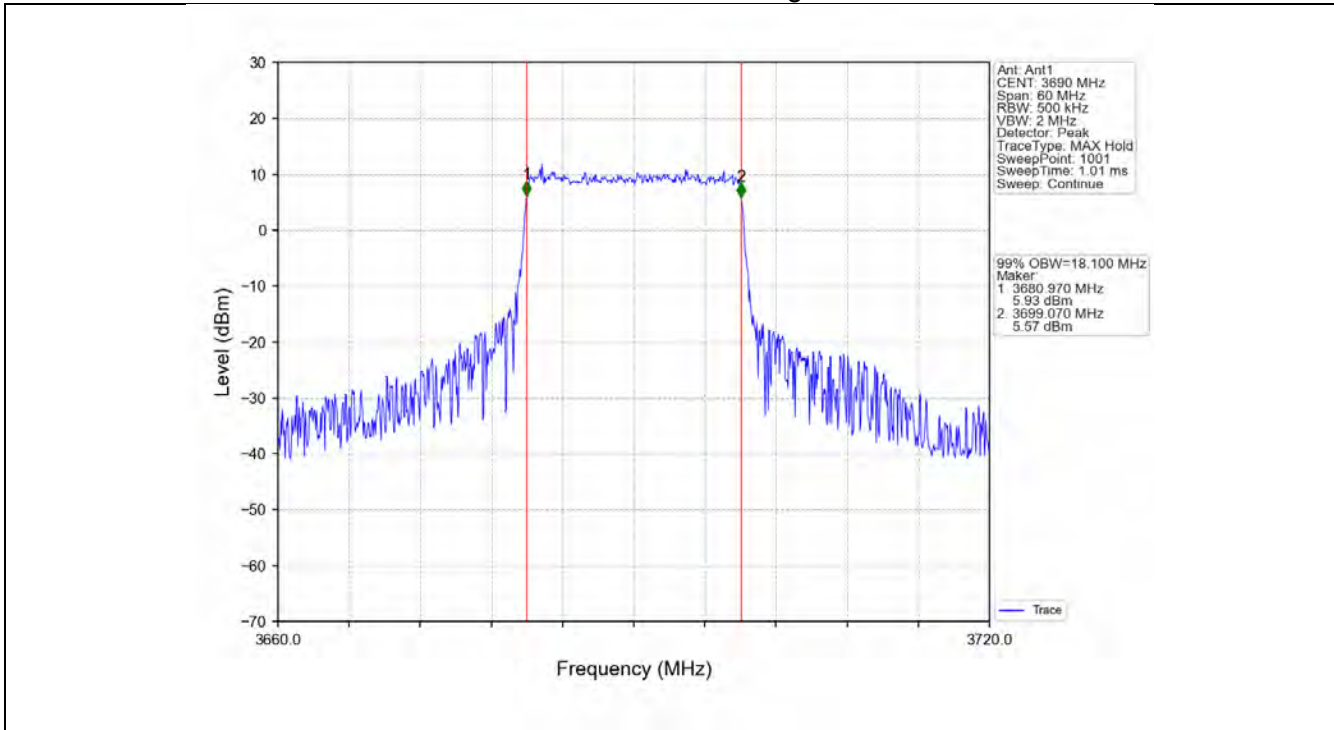
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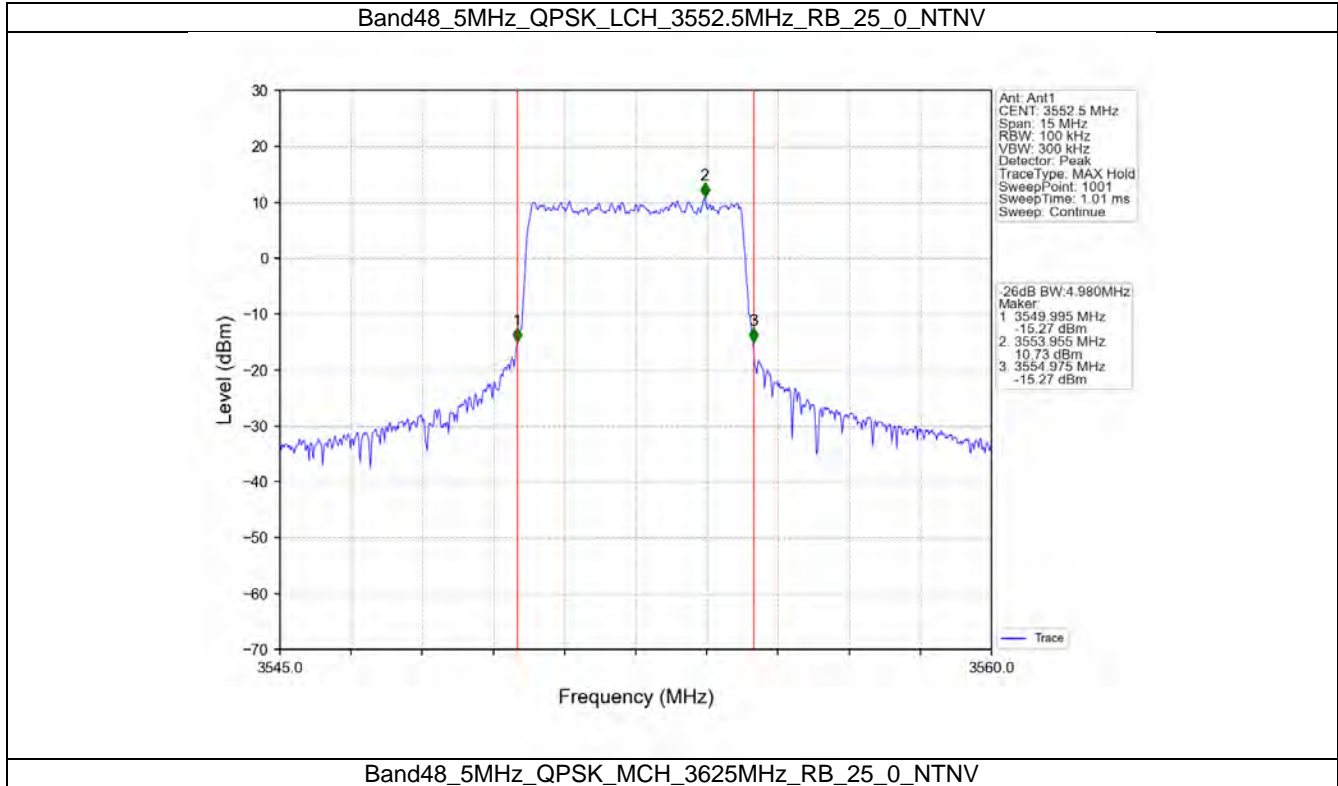
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3.2 Band48\_XDB

3.2.2 Test Graph

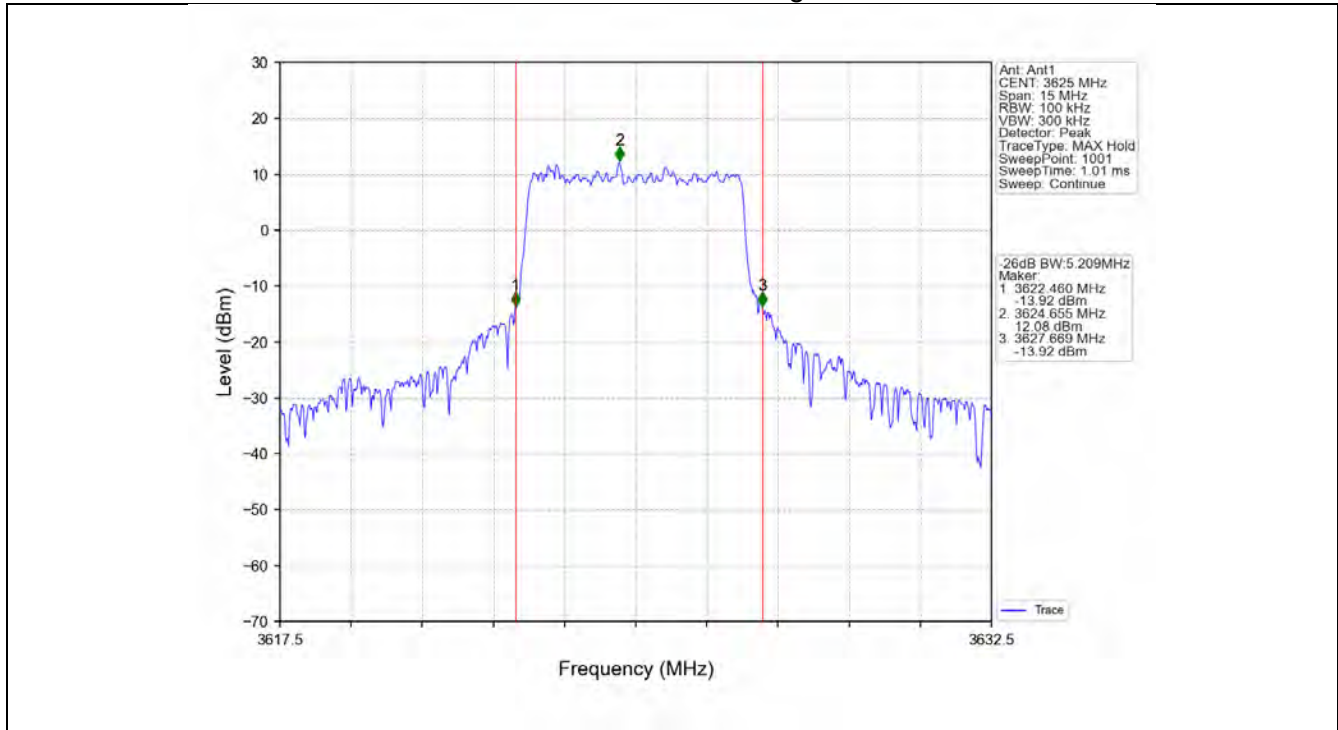


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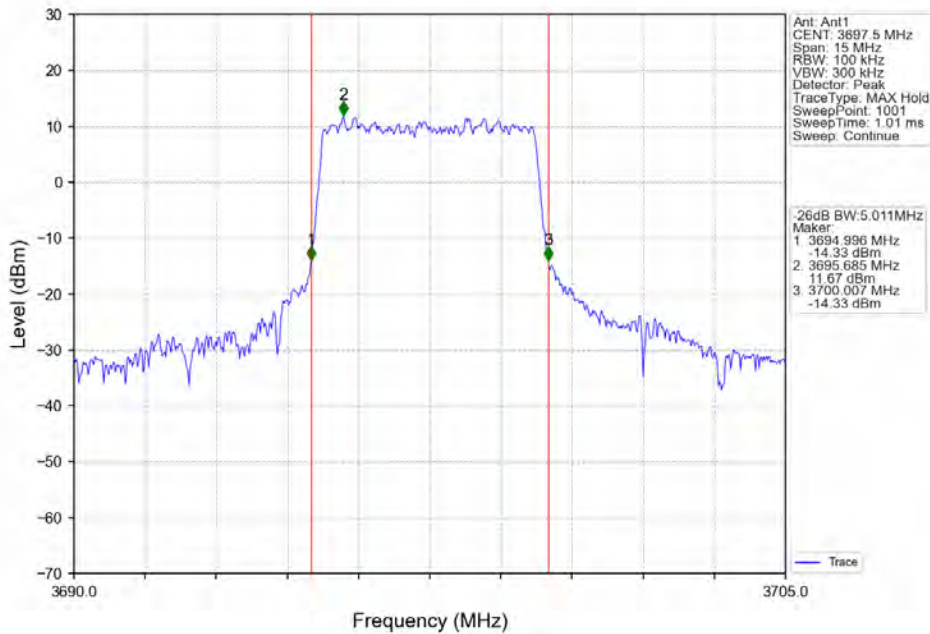
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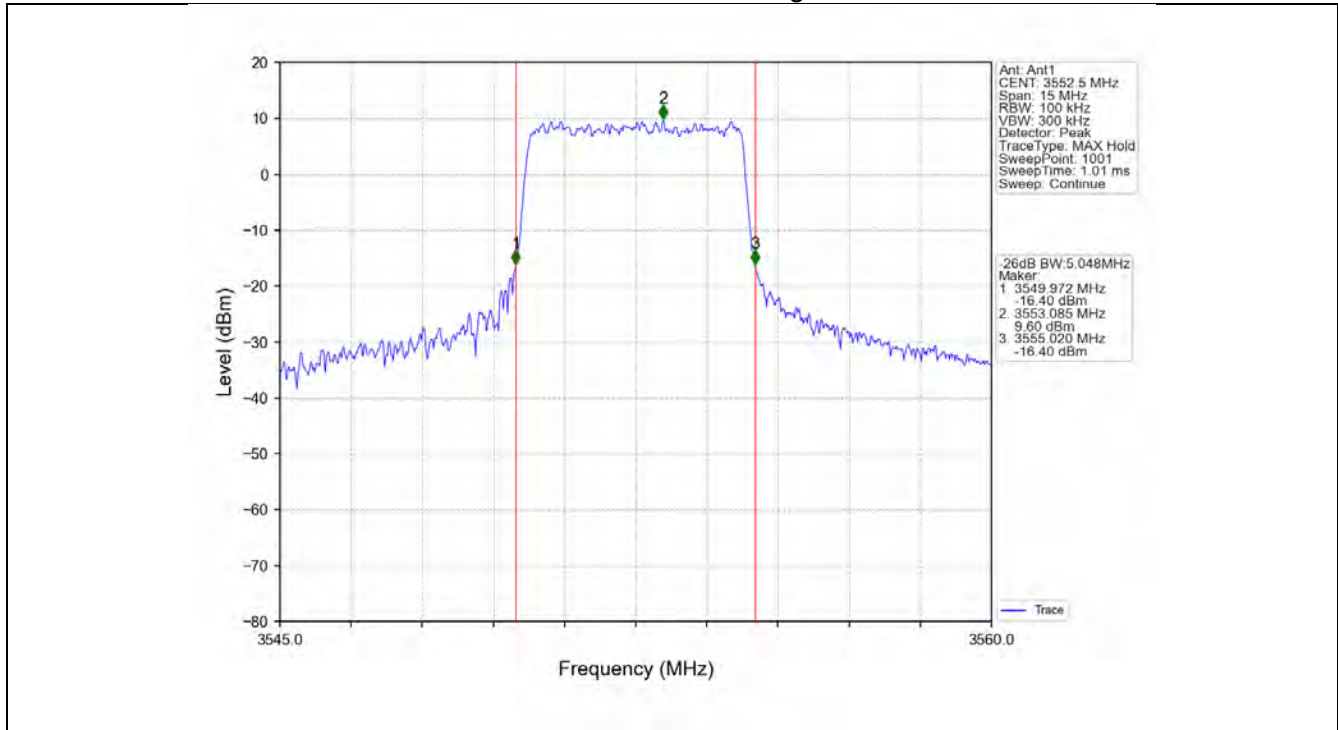
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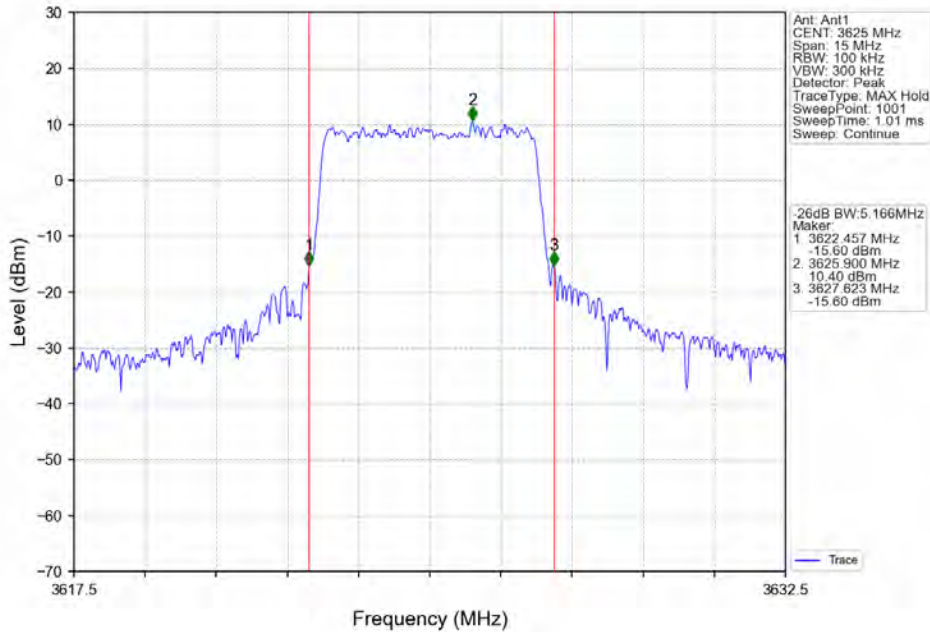


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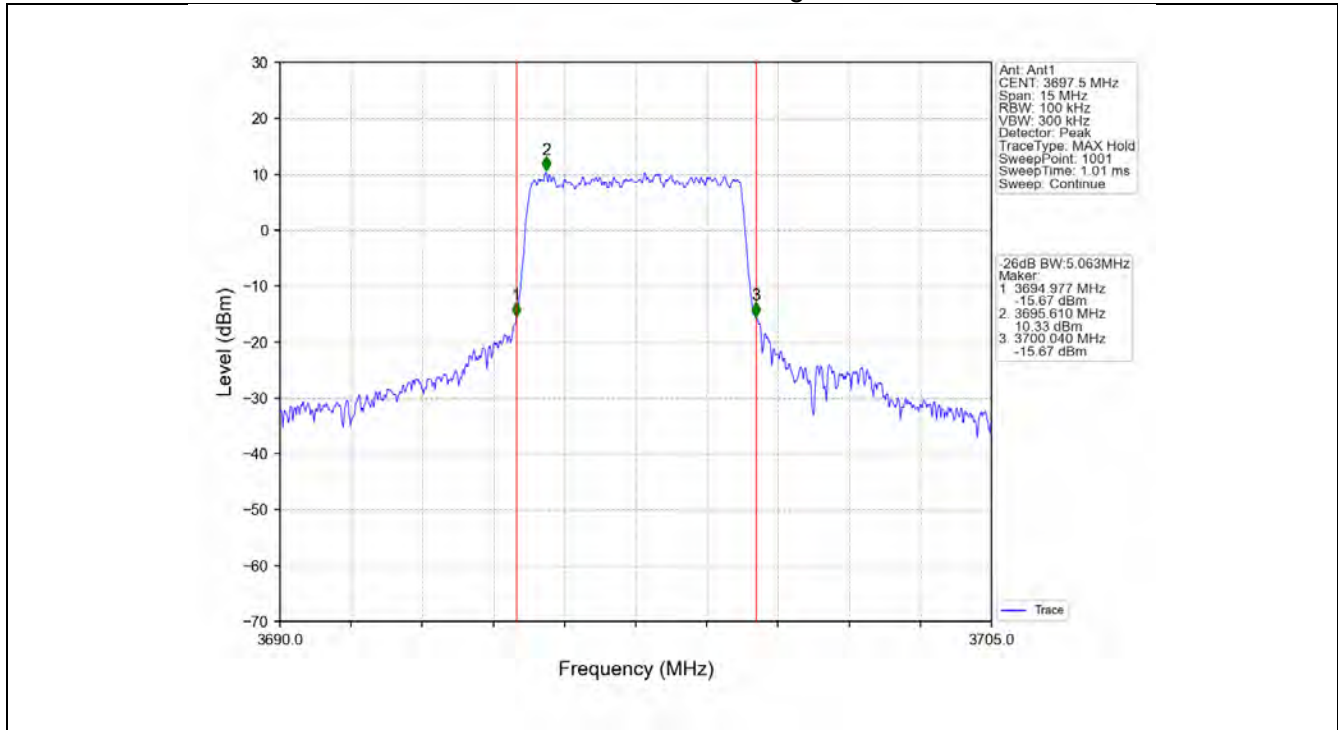
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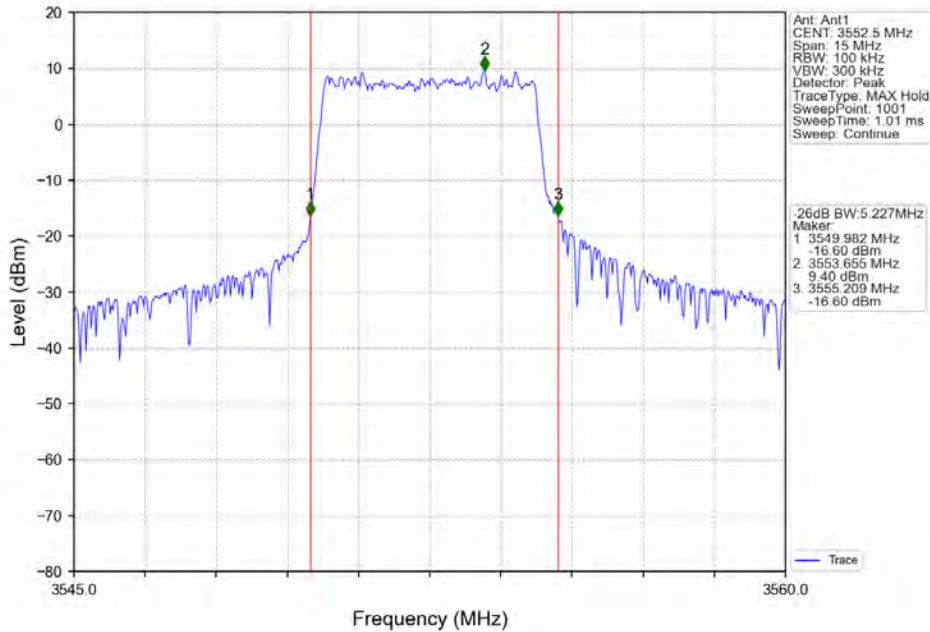
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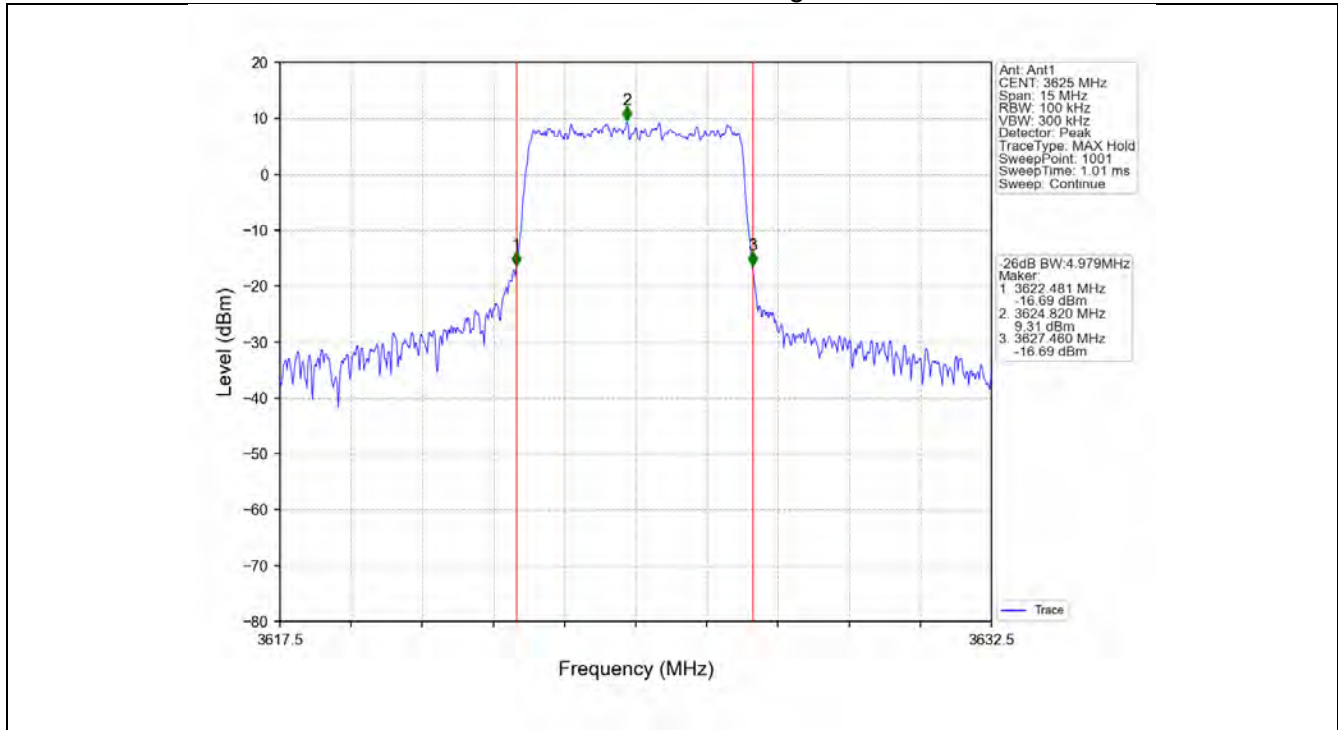
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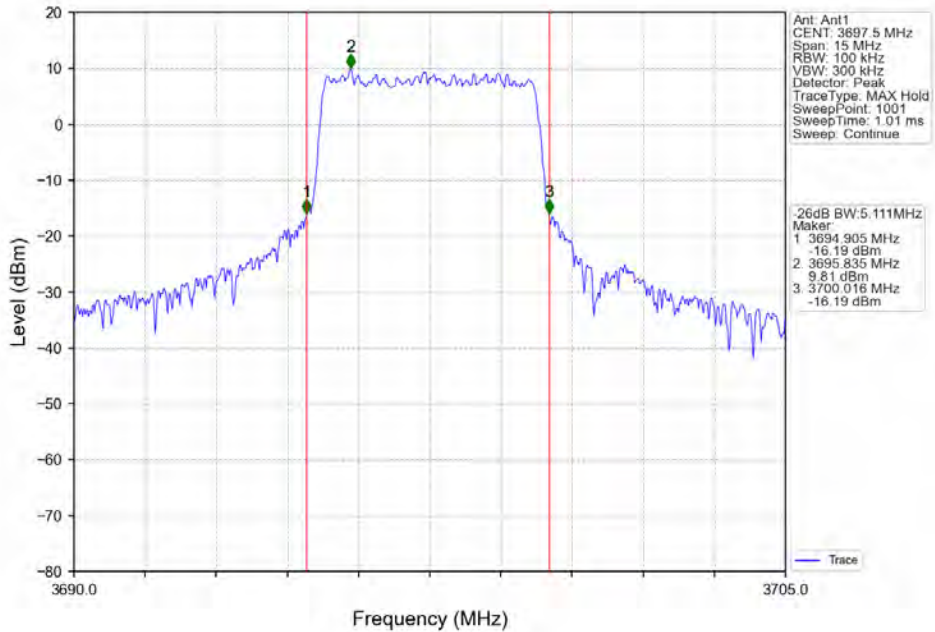


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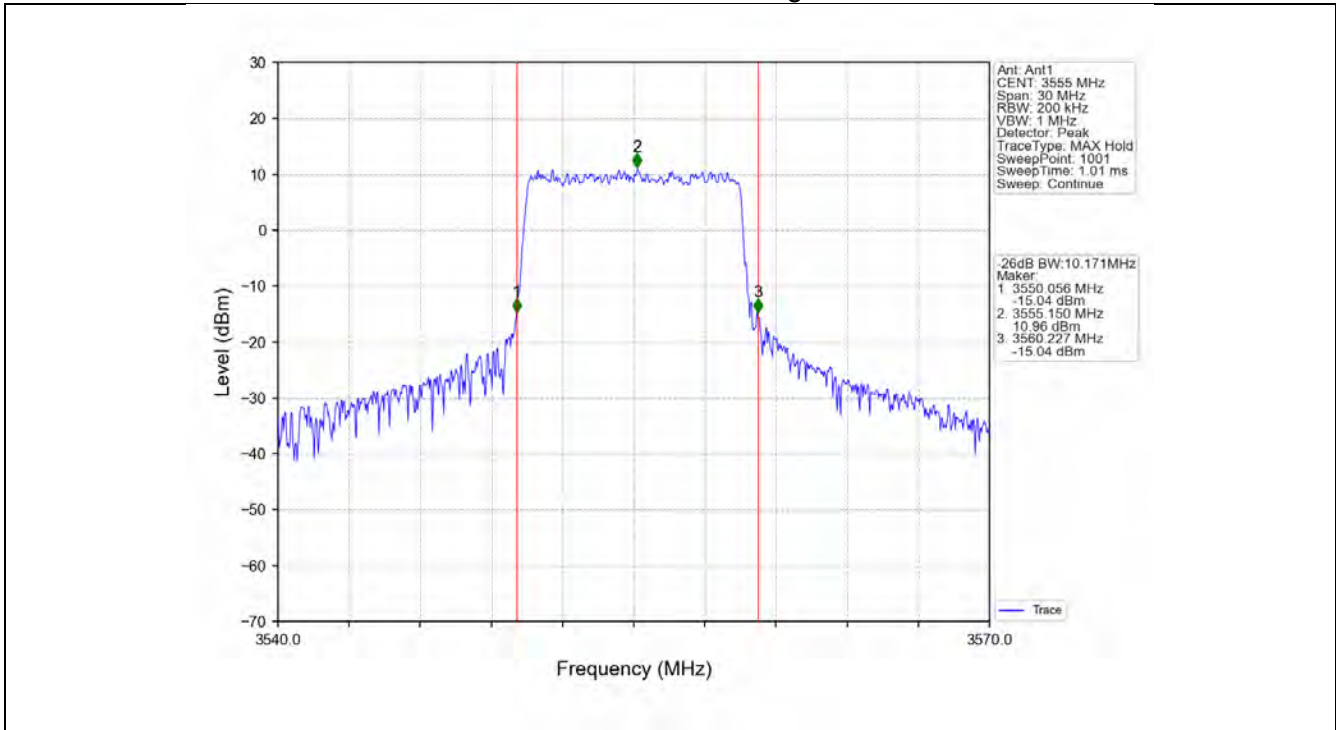
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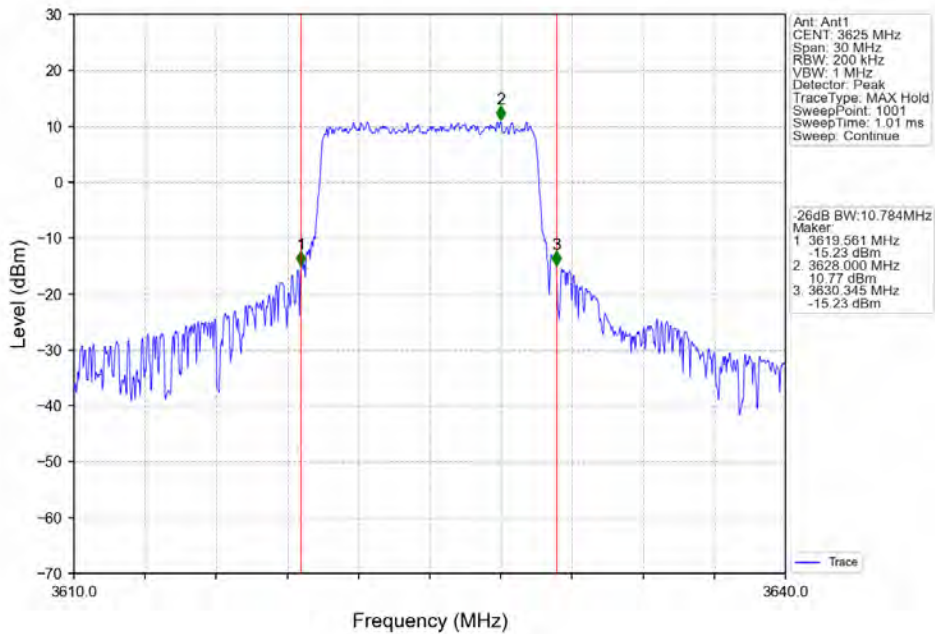
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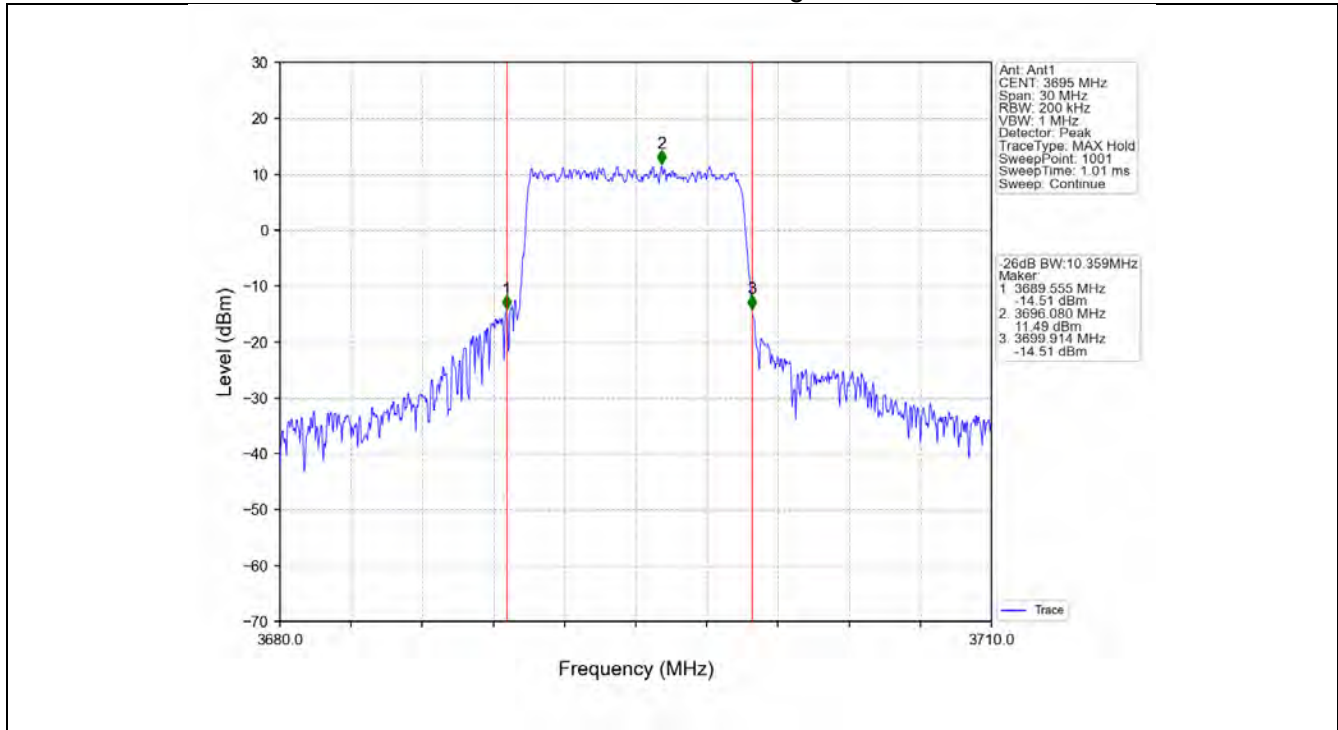
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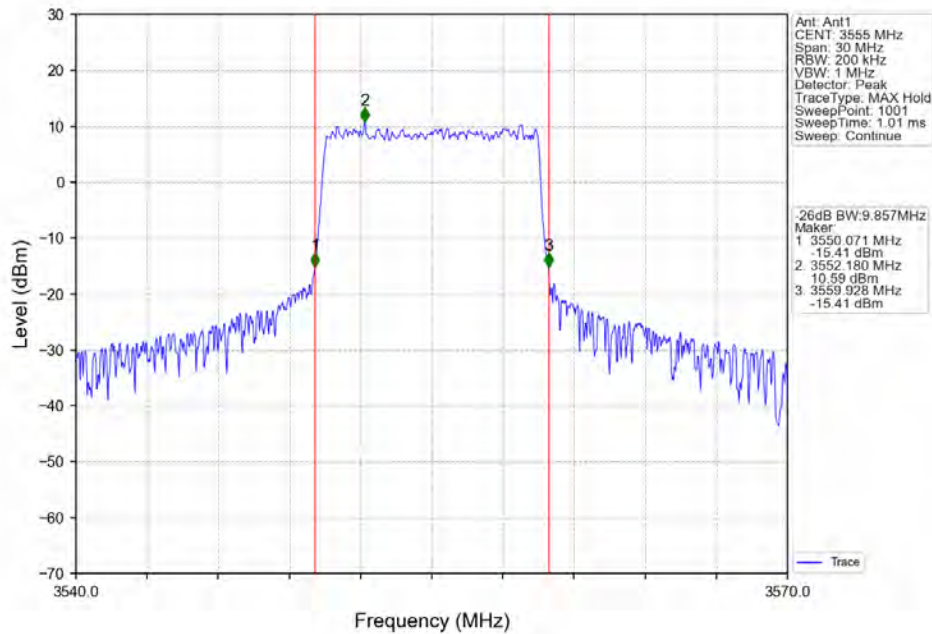


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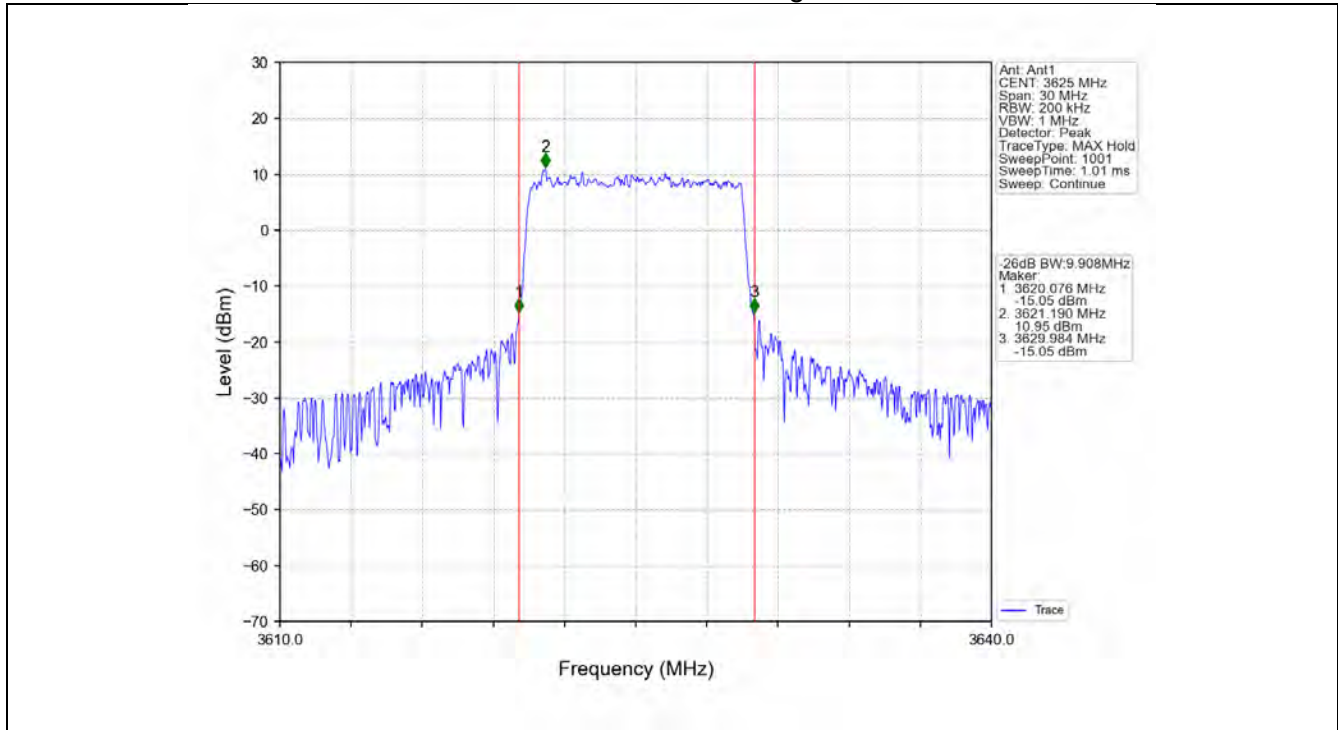
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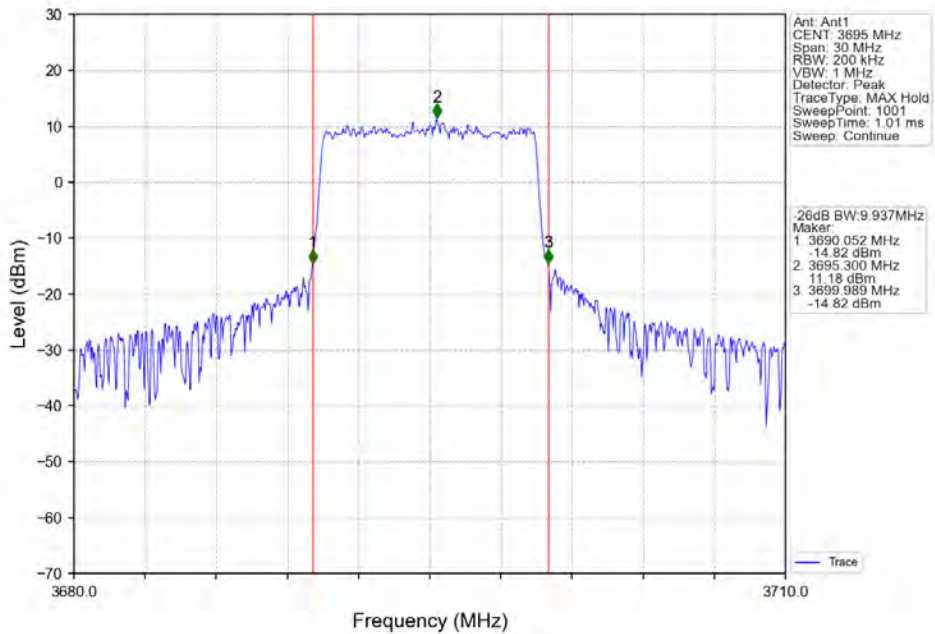
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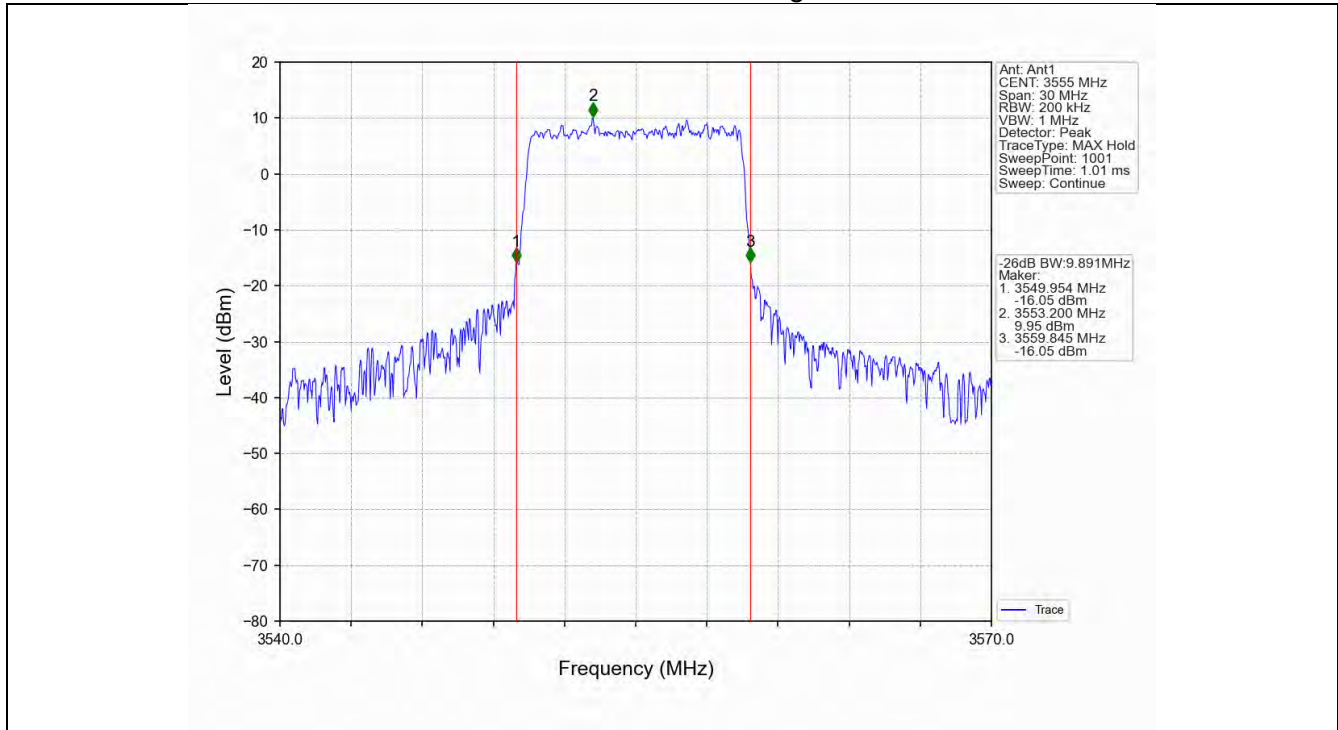
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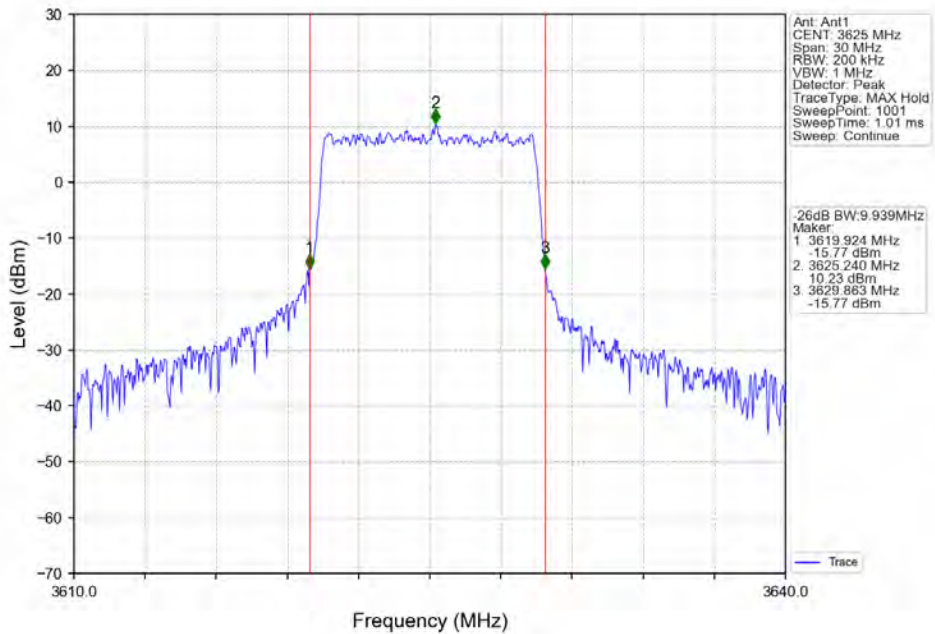


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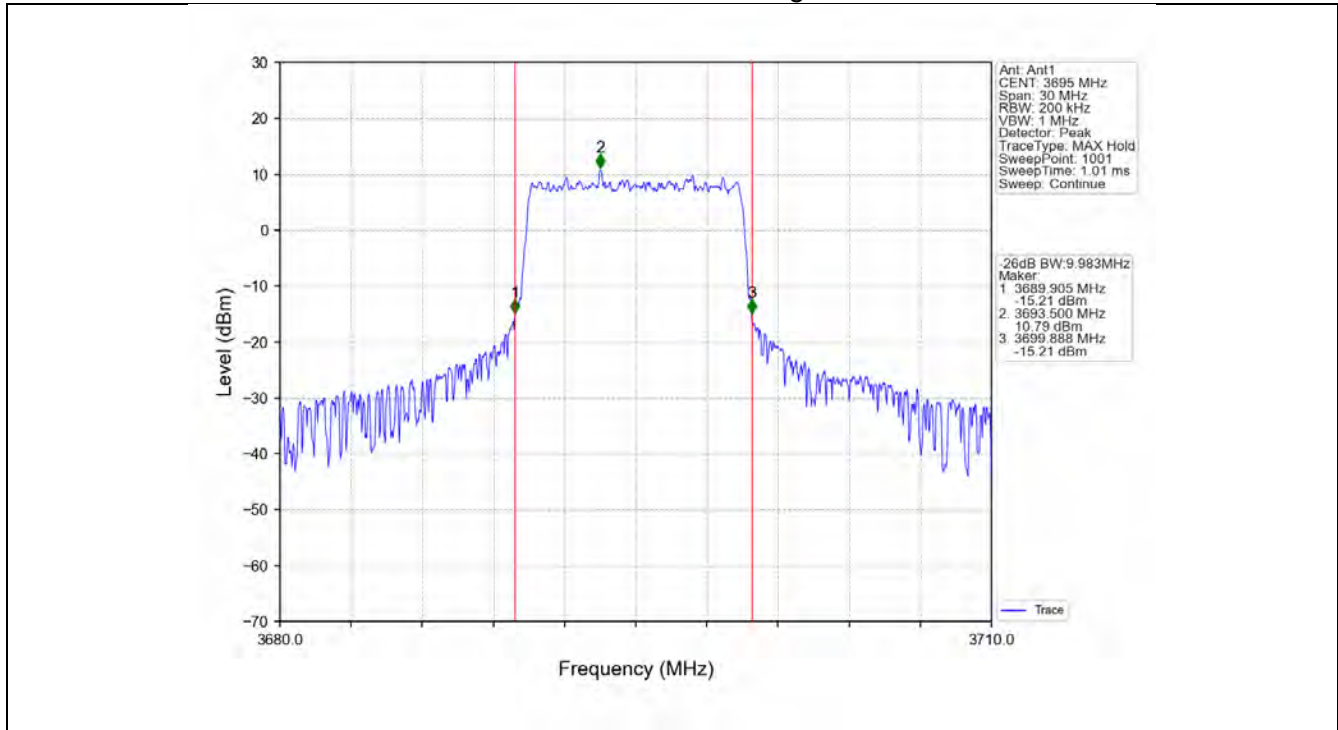
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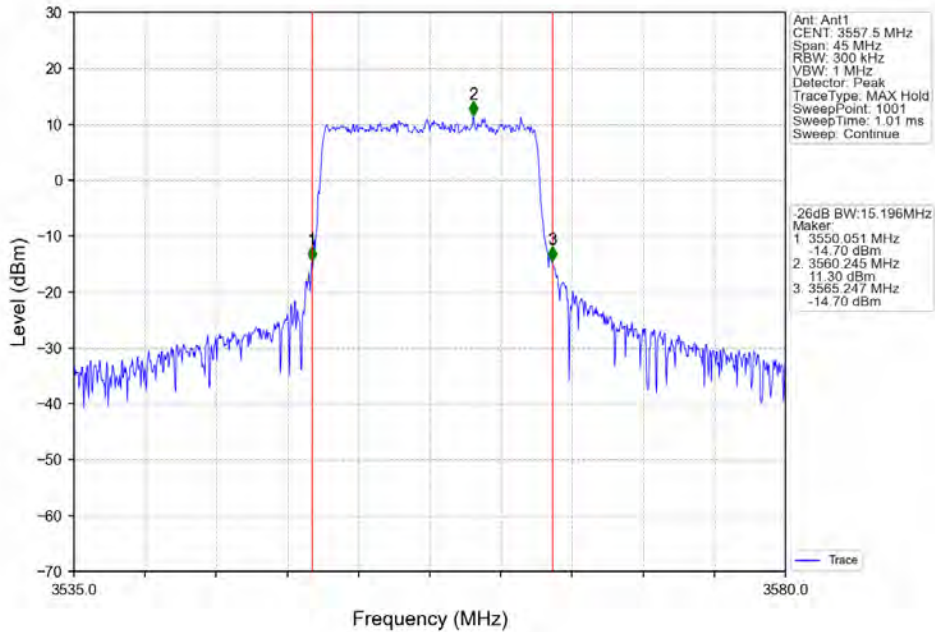
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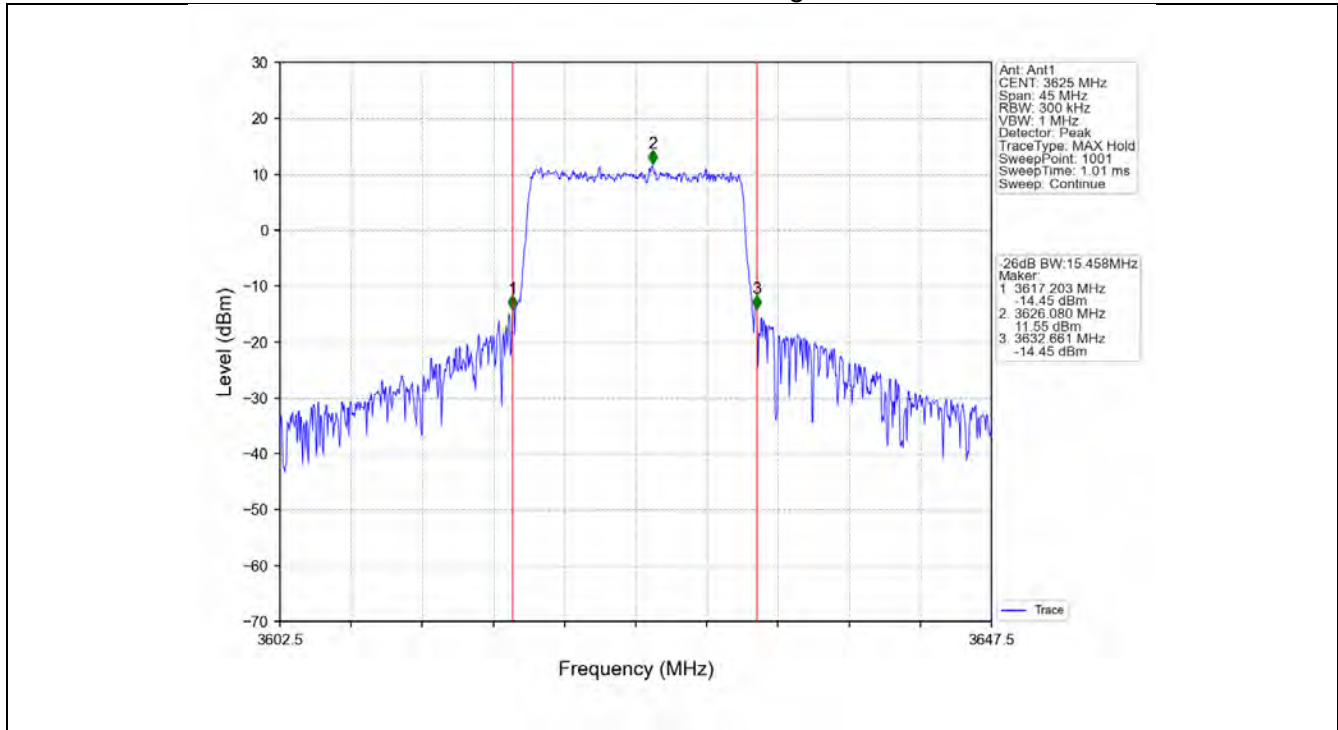
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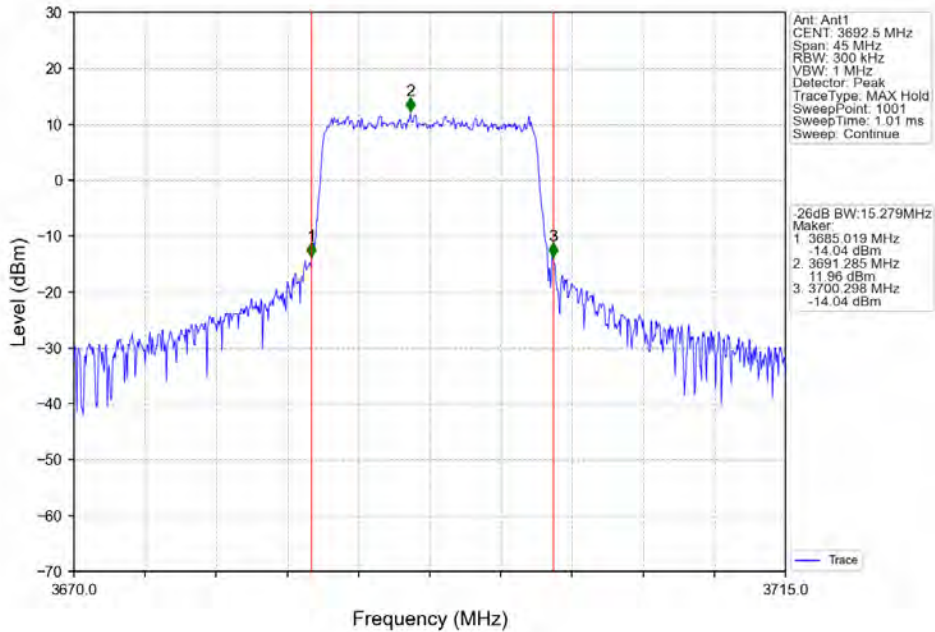
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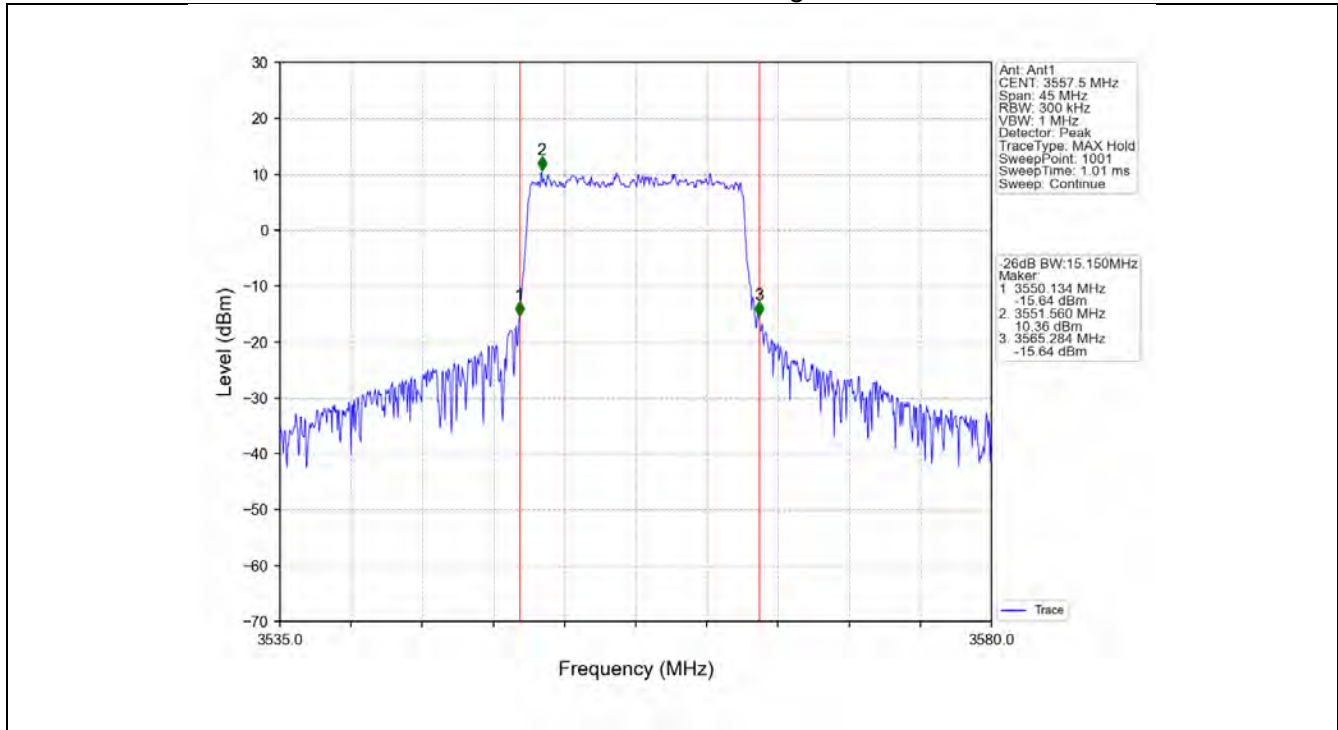
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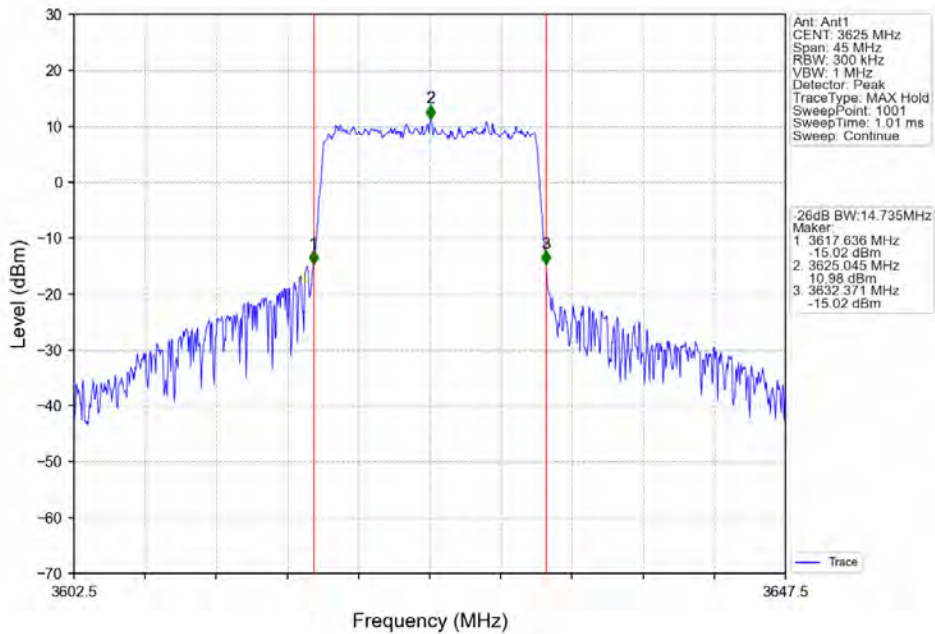
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Band48\_15MHz\_16QAM\_MCH\_3625MHz\_RB\_75\_0\_NTNV



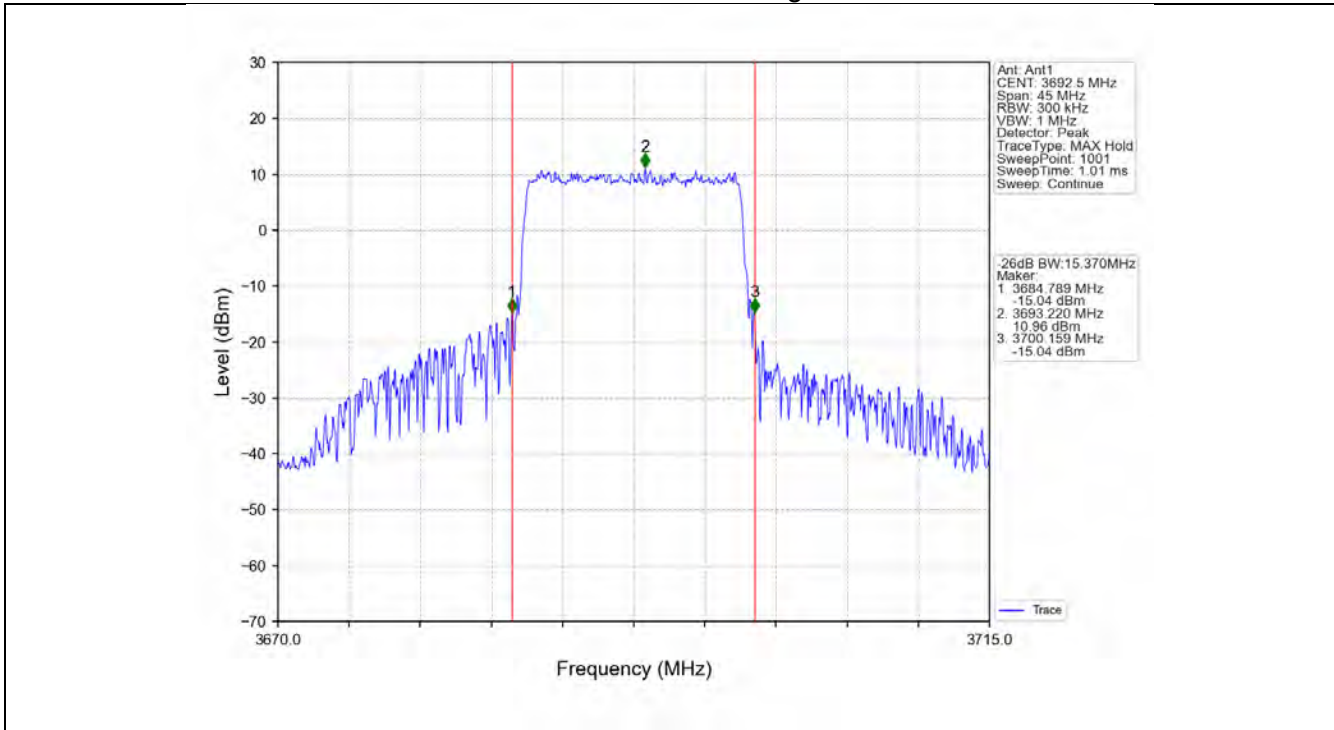
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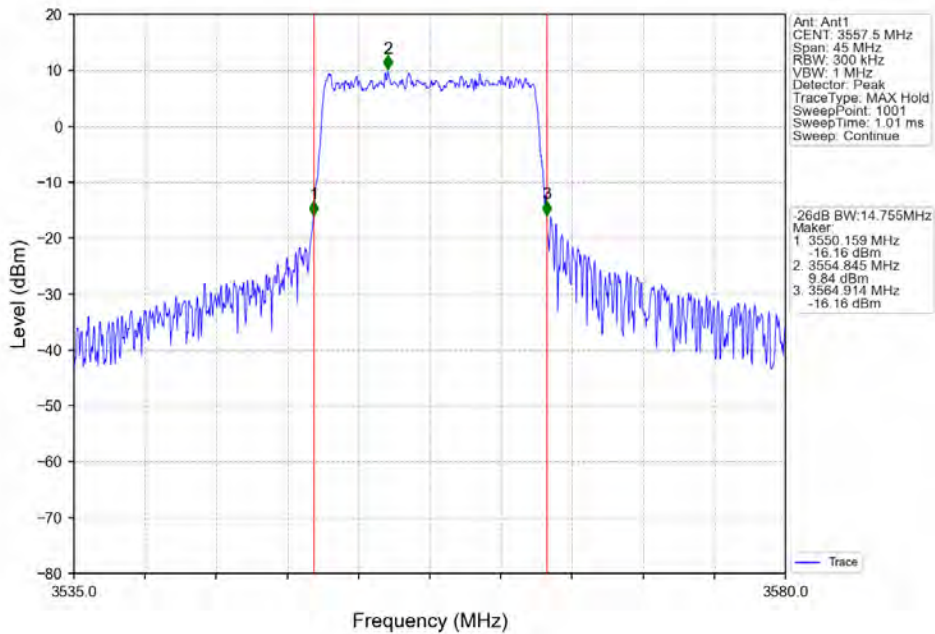


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Band48\_15MHz\_64QAM\_LCH\_3557.5MHz\_RB\_75\_0\_NTNV



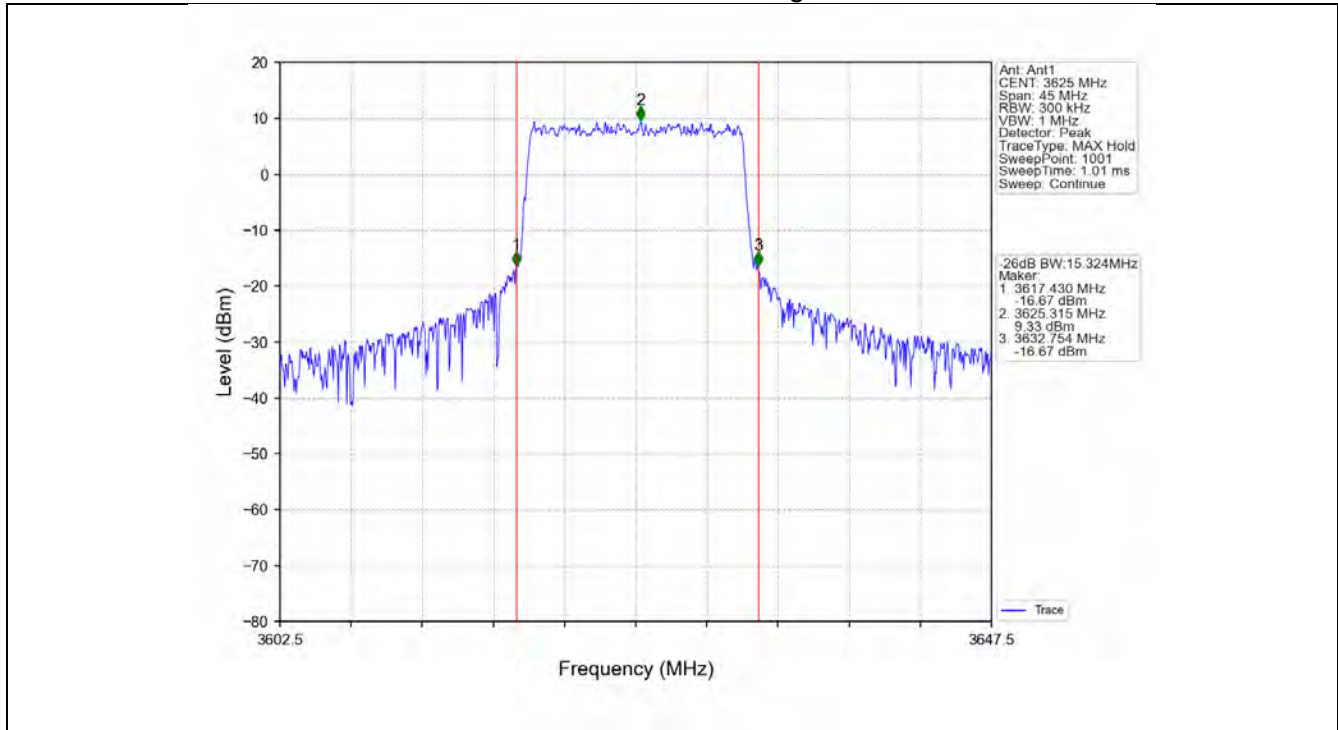
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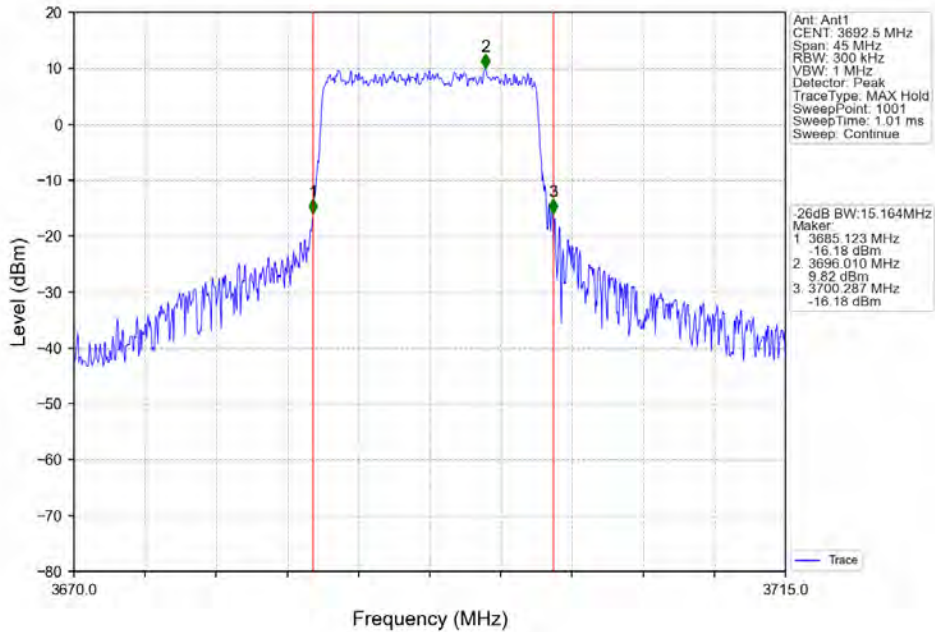
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Band48\_15MHz\_64QAM\_HCH\_3692.5MHz\_RB\_75\_0\_NTNV



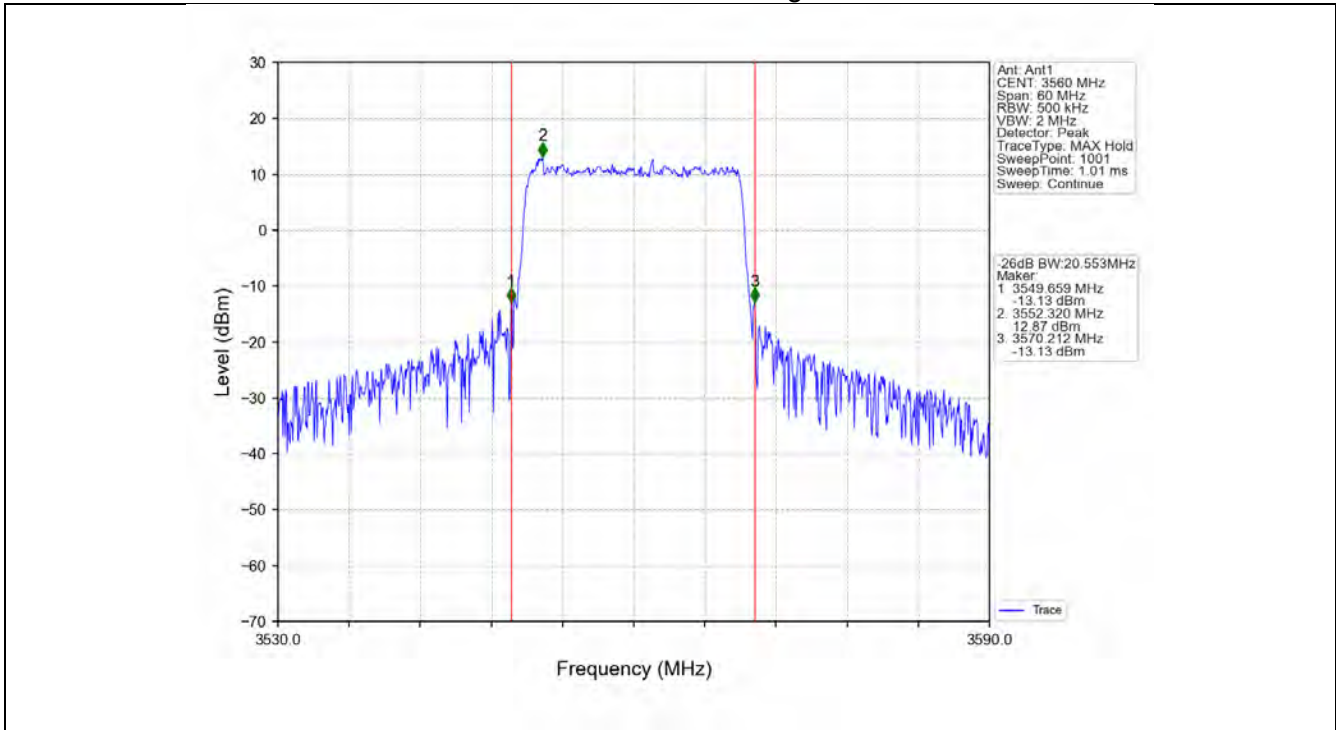
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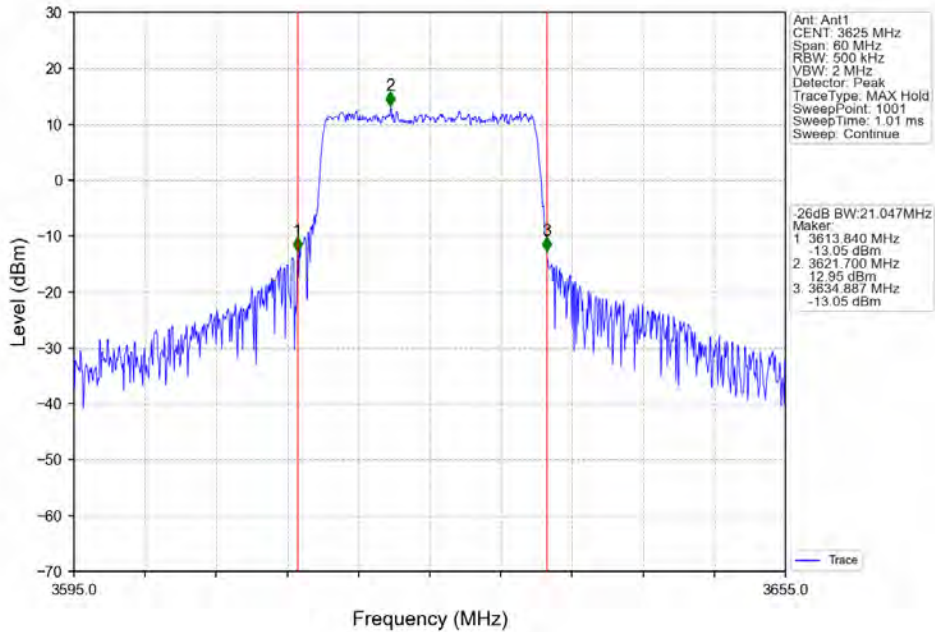


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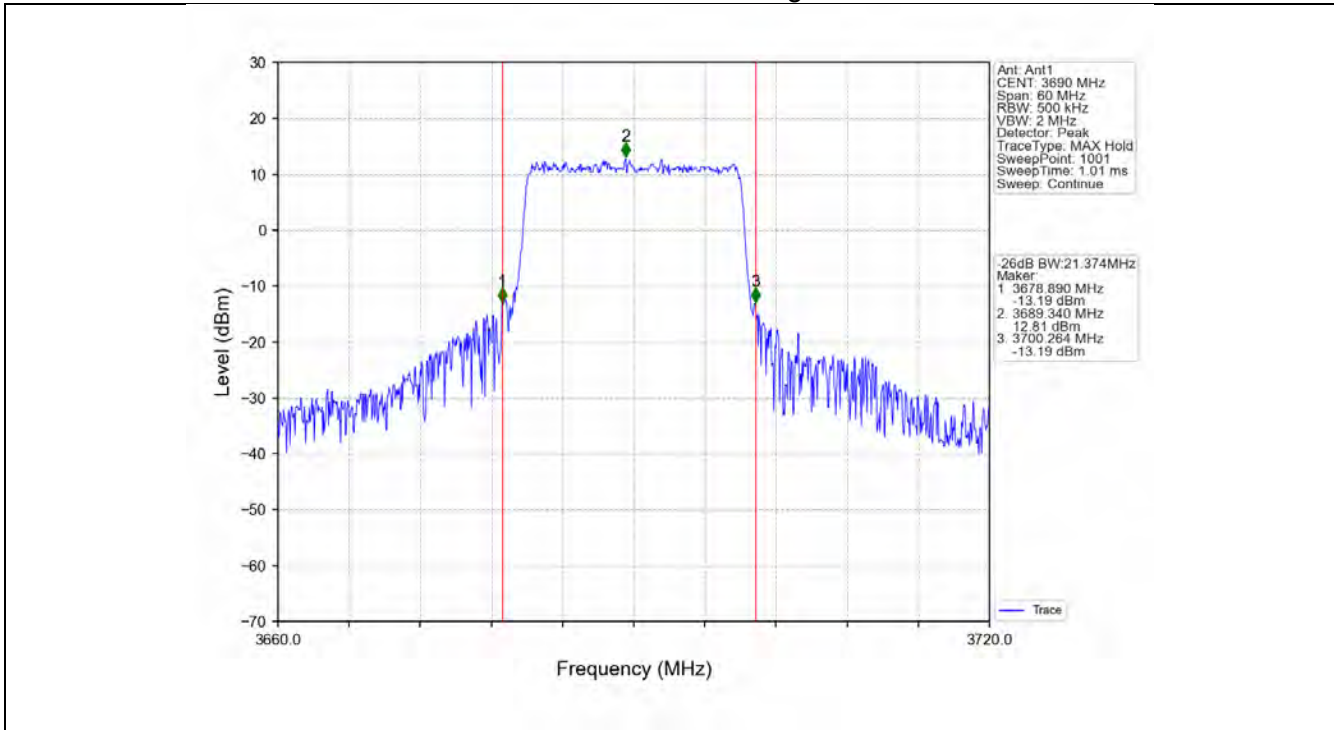
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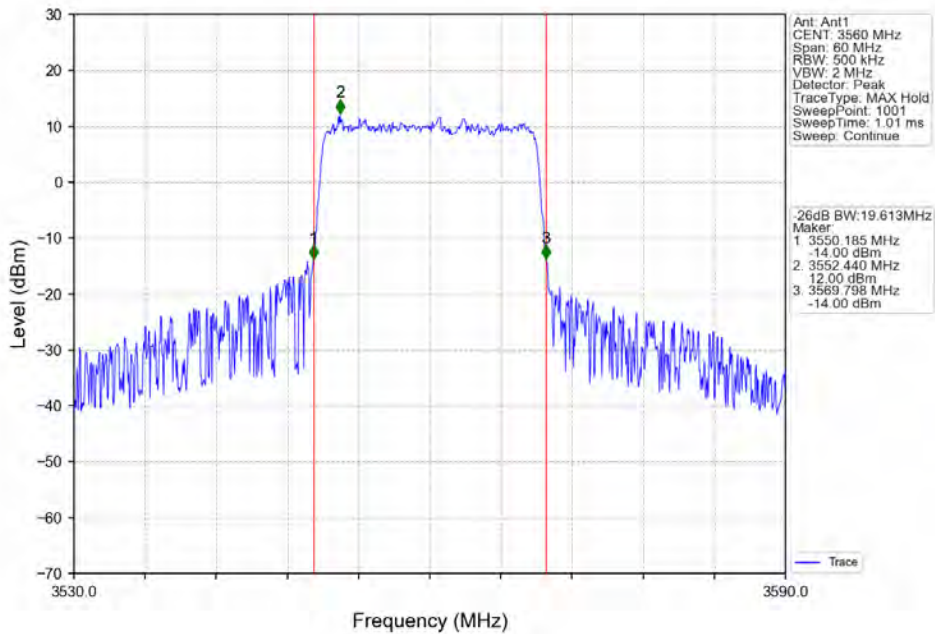
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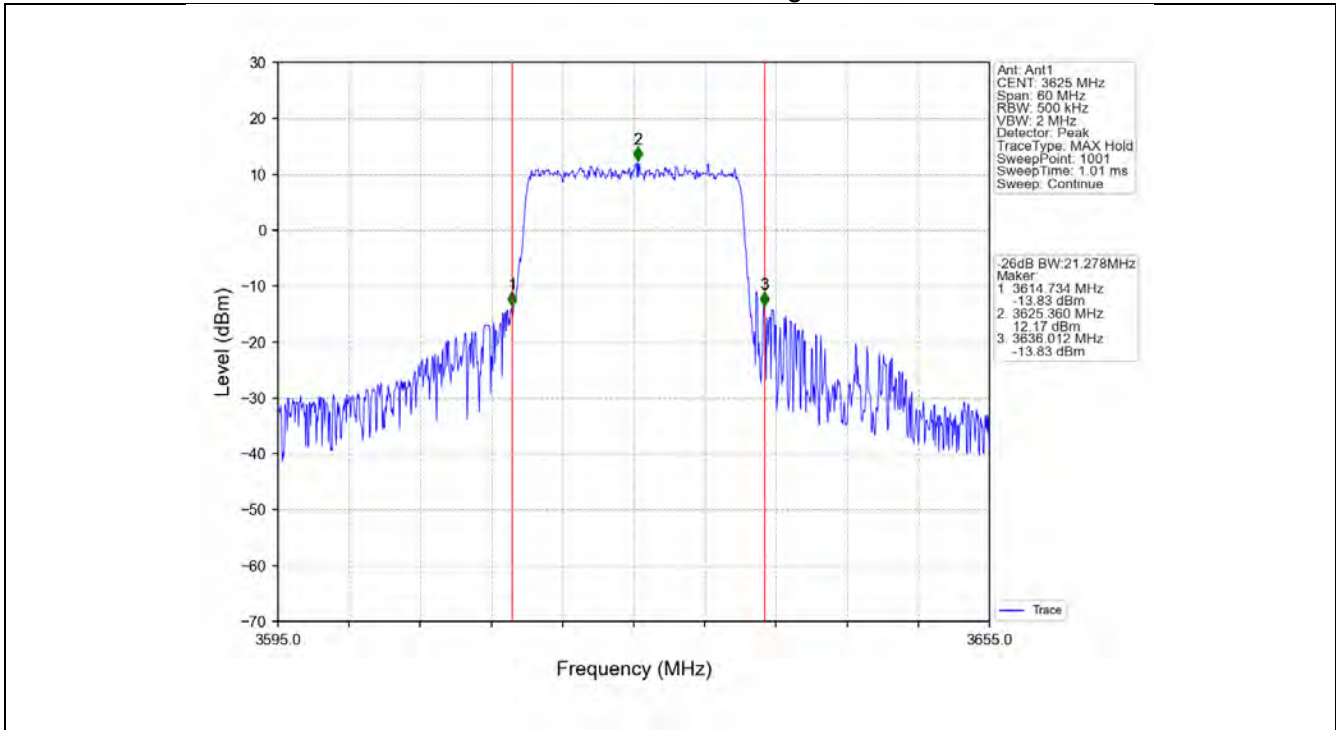
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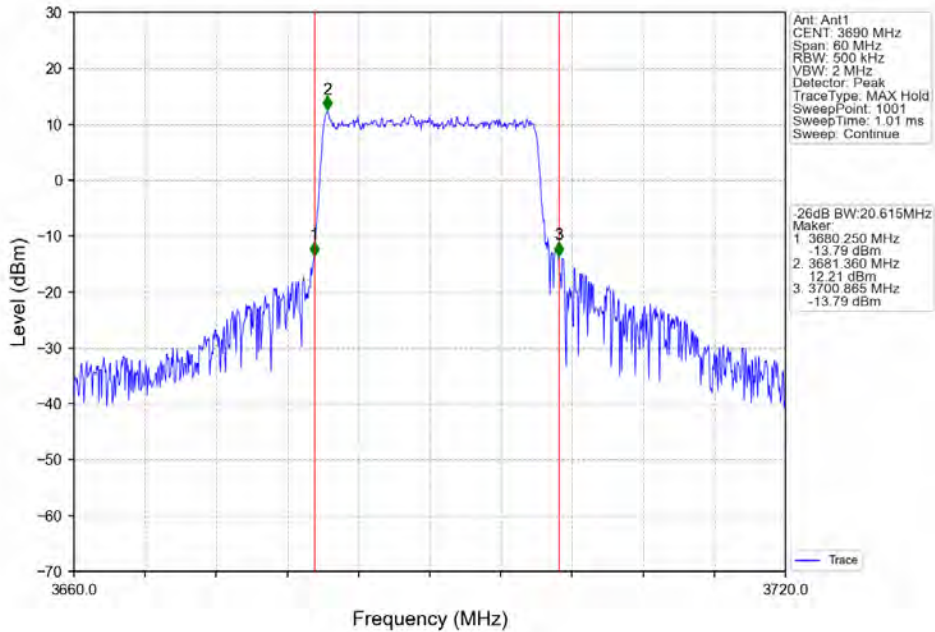


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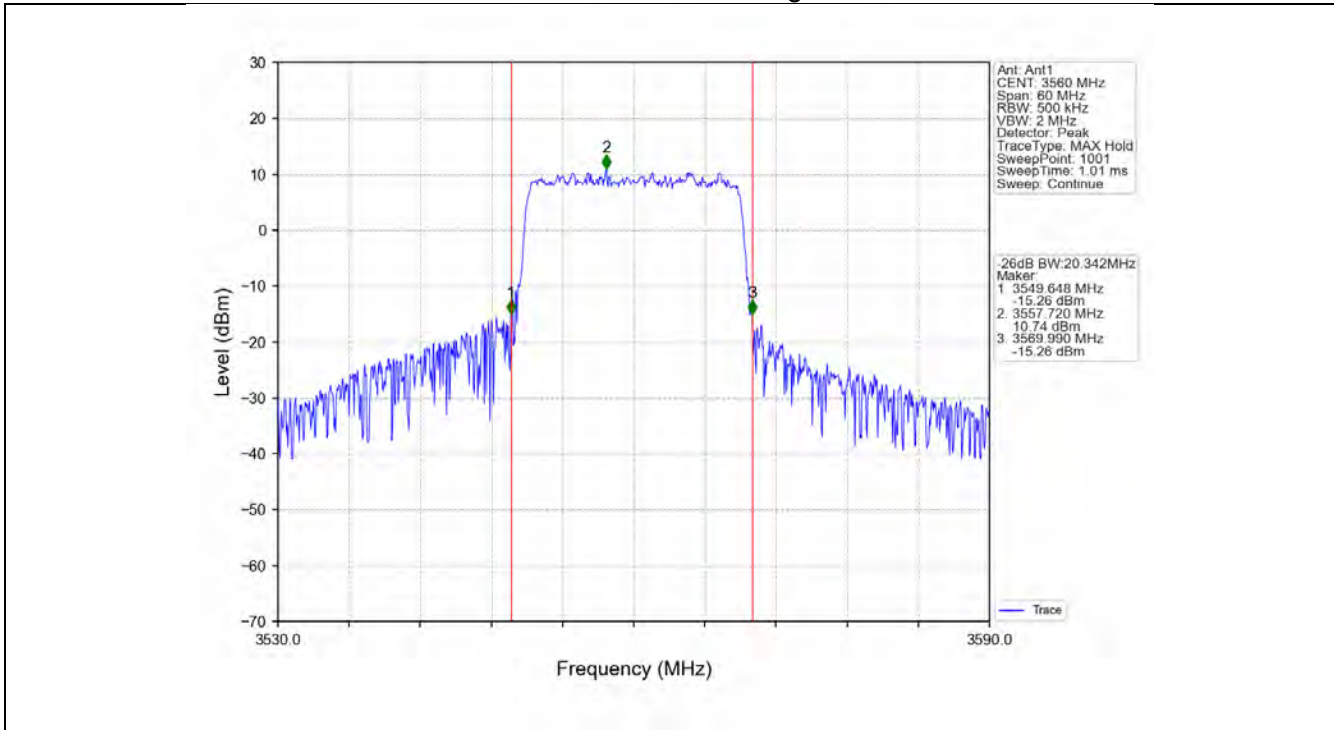
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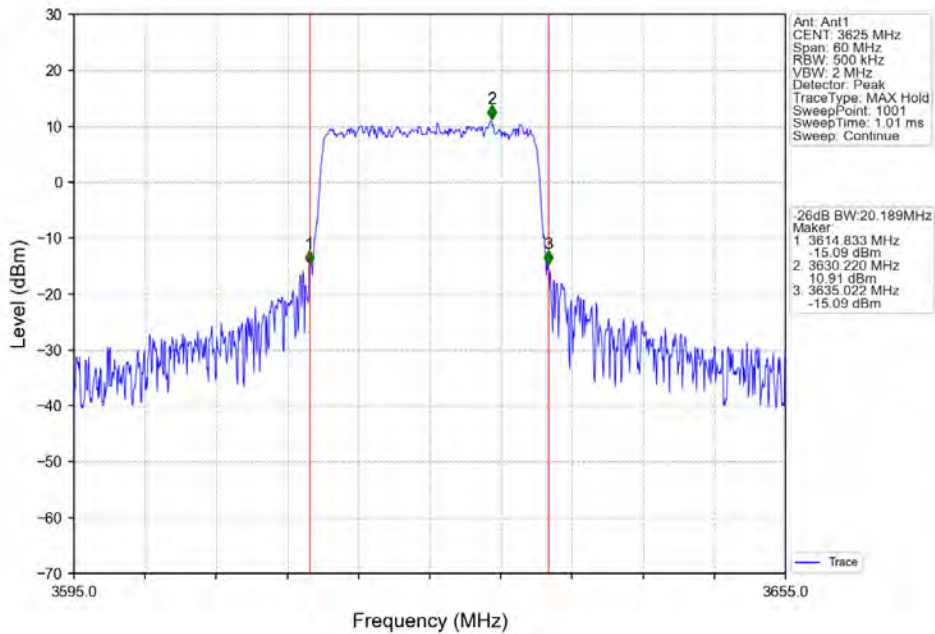
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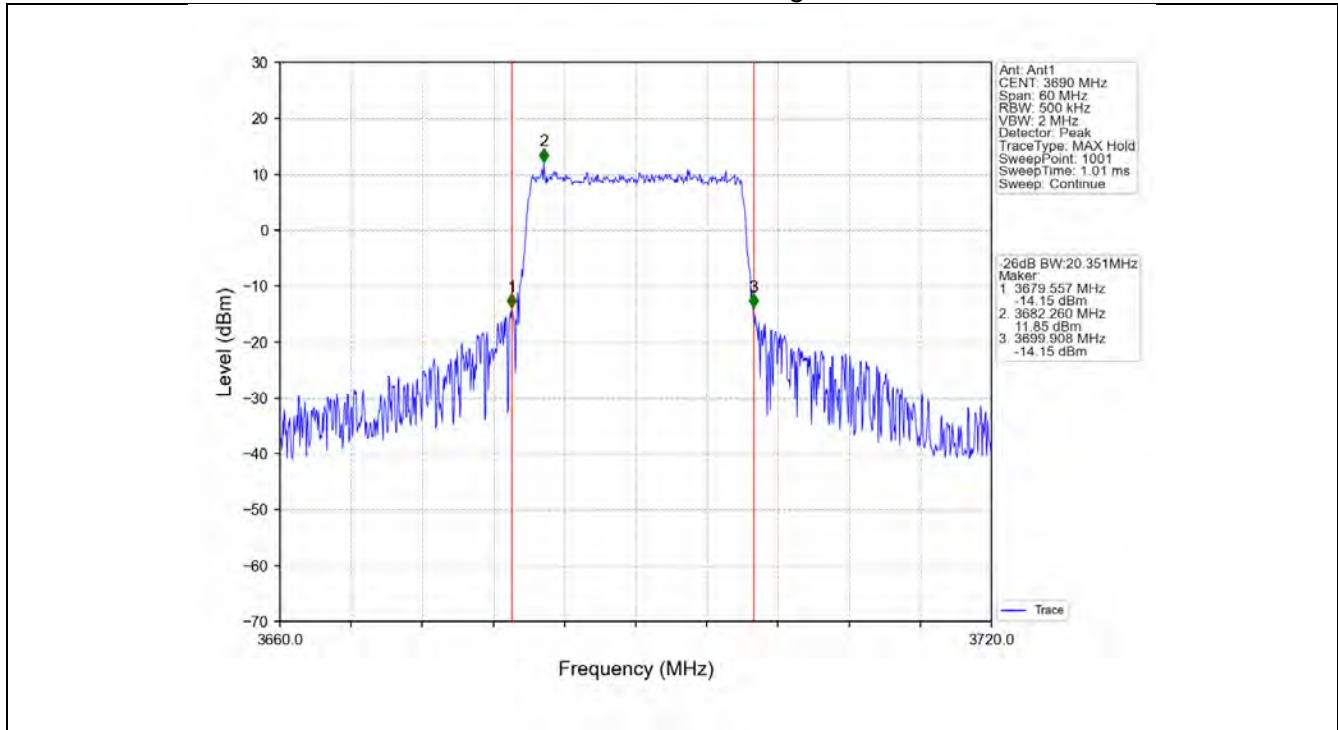
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## 4. Peak-Average Ratio

### 4.1 Test Result

#### 4.1.1 B48\_5MHz

Band: 48 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	25	0	7.74	<=13	Pass
	3625	25	0	7.68	<=13	Pass
	3697.5	25	0	7.67	<=13	Pass
16QAM	3552.5	25	0	8.49	<=13	Pass
	3625	25	0	8.22	<=13	Pass
	3697.5	25	0	8.32	<=13	Pass
64QAM	3552.5	25	0	8.58	<=13	Pass
	3625	25	0	8.61	<=13	Pass
	3697.5	25	0	8.53	<=13	Pass

#### 4.1.2 B48\_10MHz

Band: 48 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	50	0	7.74	<=13	Pass
	3625	50	0	7.65	<=13	Pass
	3695	50	0	7.46	<=13	Pass
16QAM	3555	50	0	8.40	<=13	Pass
	3625	50	0	8.36	<=13	Pass
	3695	50	0	8.34	<=13	Pass
64QAM	3555	50	0	8.52	<=13	Pass
	3625	50	0	8.55	<=13	Pass
	3695	50	0	8.45	<=13	Pass



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4.1.3 B48\_15MHz

Band: 48 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	75	0	8.15	<=13	Pass
	3625	75	0	7.86	<=13	Pass
	3692.5	75	0	7.79	<=13	Pass
16QAM	3557.5	75	0	8.50	<=13	Pass
	3625	75	0	8.40	<=13	Pass
	3692.5	75	0	8.22	<=13	Pass
64QAM	3557.5	75	0	8.55	<=13	Pass
	3625	75	0	8.45	<=13	Pass
	3692.5	75	0	8.53	<=13	Pass

4.1.4 B48\_20MHz

Band: 48 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	100	0	7.51	<=13	Pass
	3625	100	0	7.47	<=13	Pass
	3690	100	0	7.56	<=13	Pass
16QAM	3560	100	0	8.18	<=13	Pass
	3625	100	0	8.24	<=13	Pass
	3690	100	0	8.25	<=13	Pass
64QAM	3560	100	0	8.43	<=13	Pass
	3625	100	0	8.28	<=13	Pass
	3690	100	0	8.45	<=13	Pass



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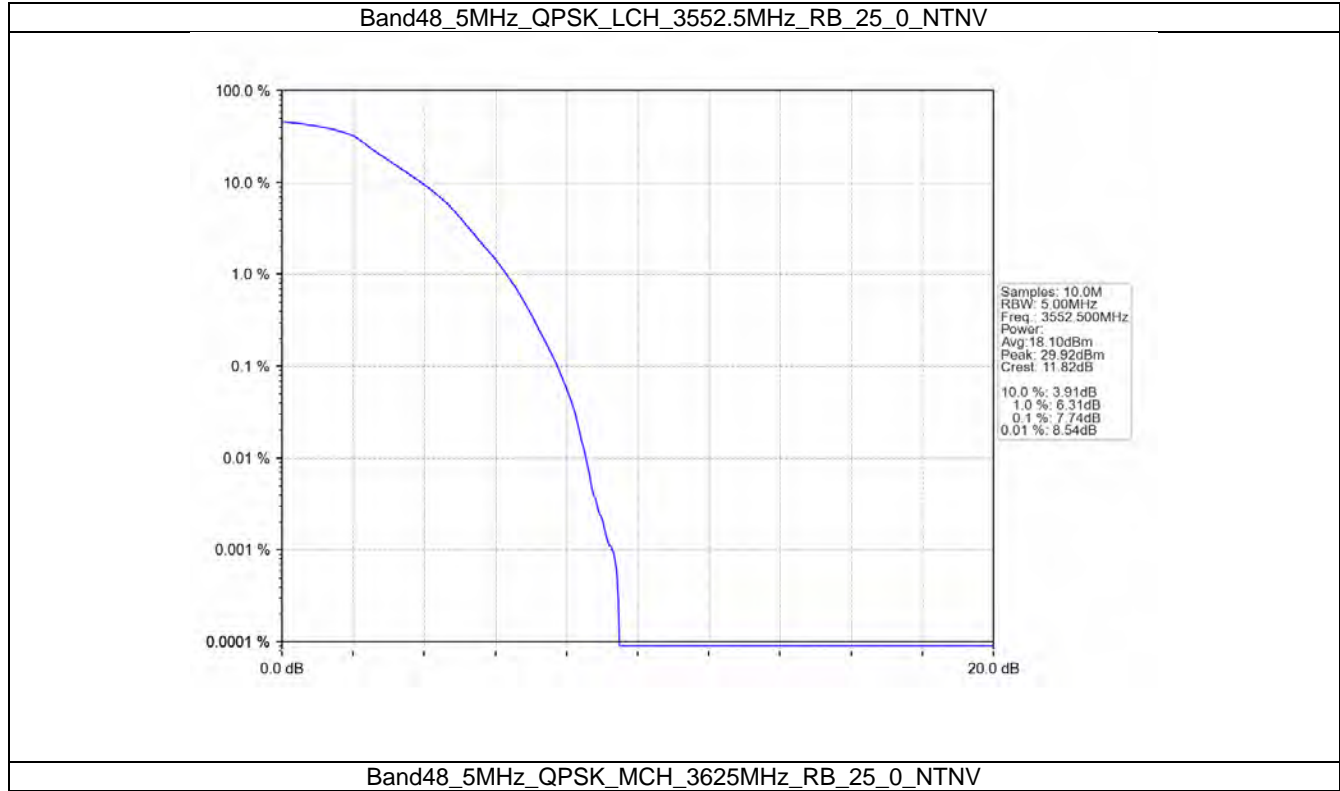
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4.2 Test Graph

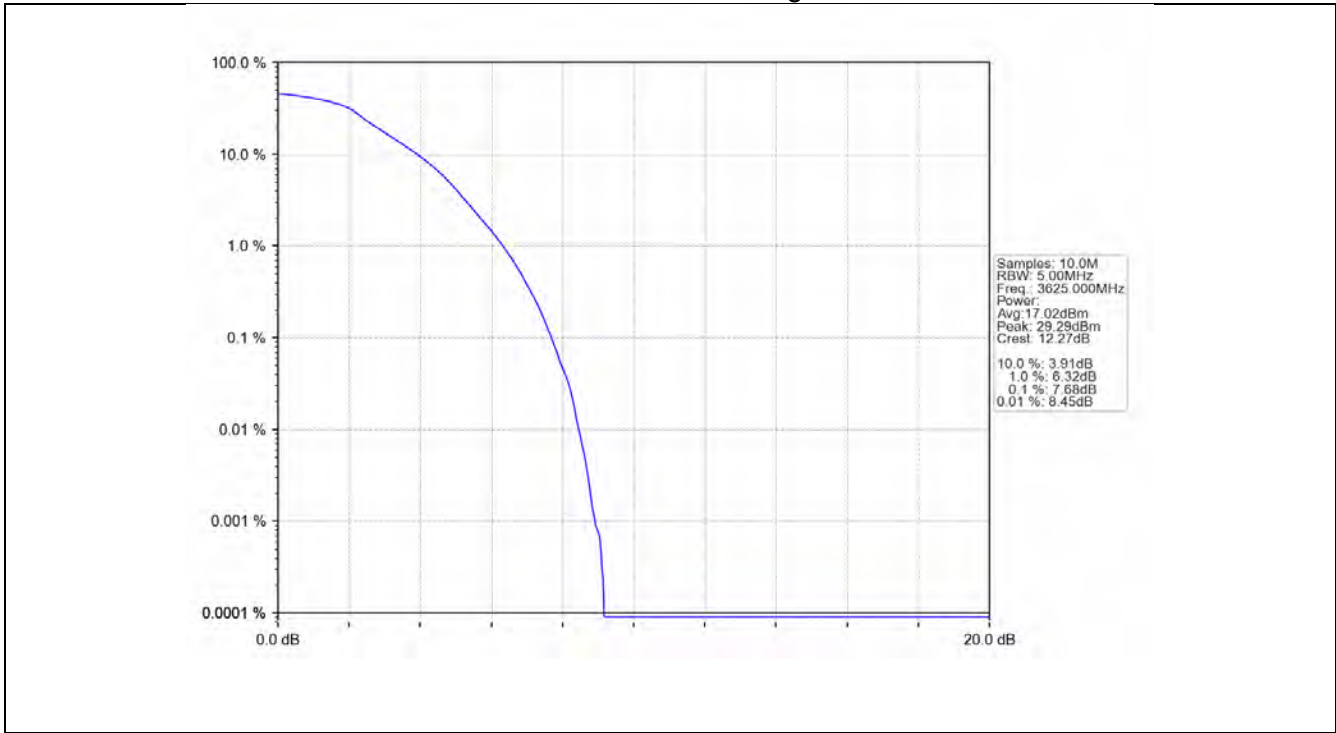
4.2.1 B48\_5MHz



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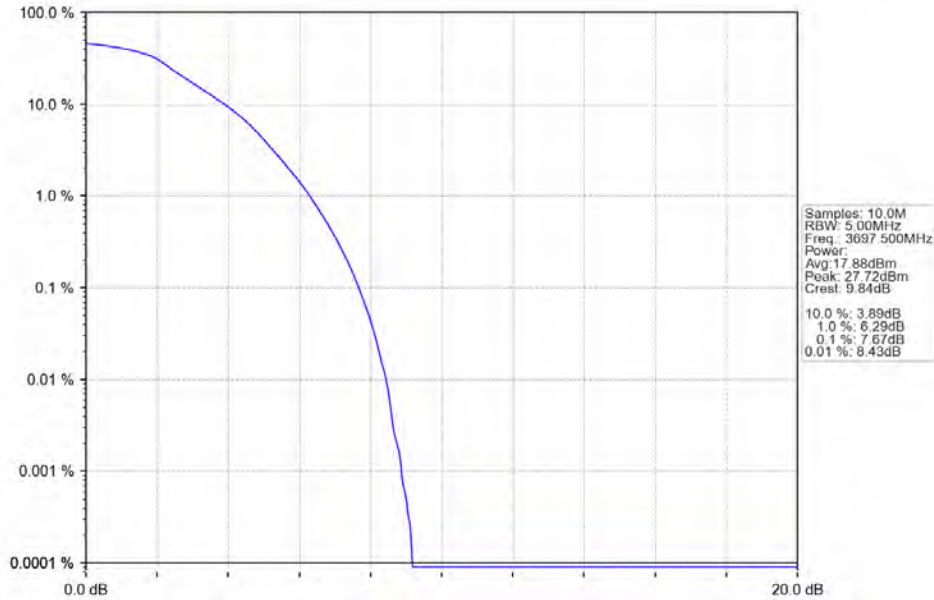


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Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_25\_0\_NTNV



Band48\_5MHz\_16QAM\_LCH\_3552.5MHz\_RB\_25\_0\_NTNV

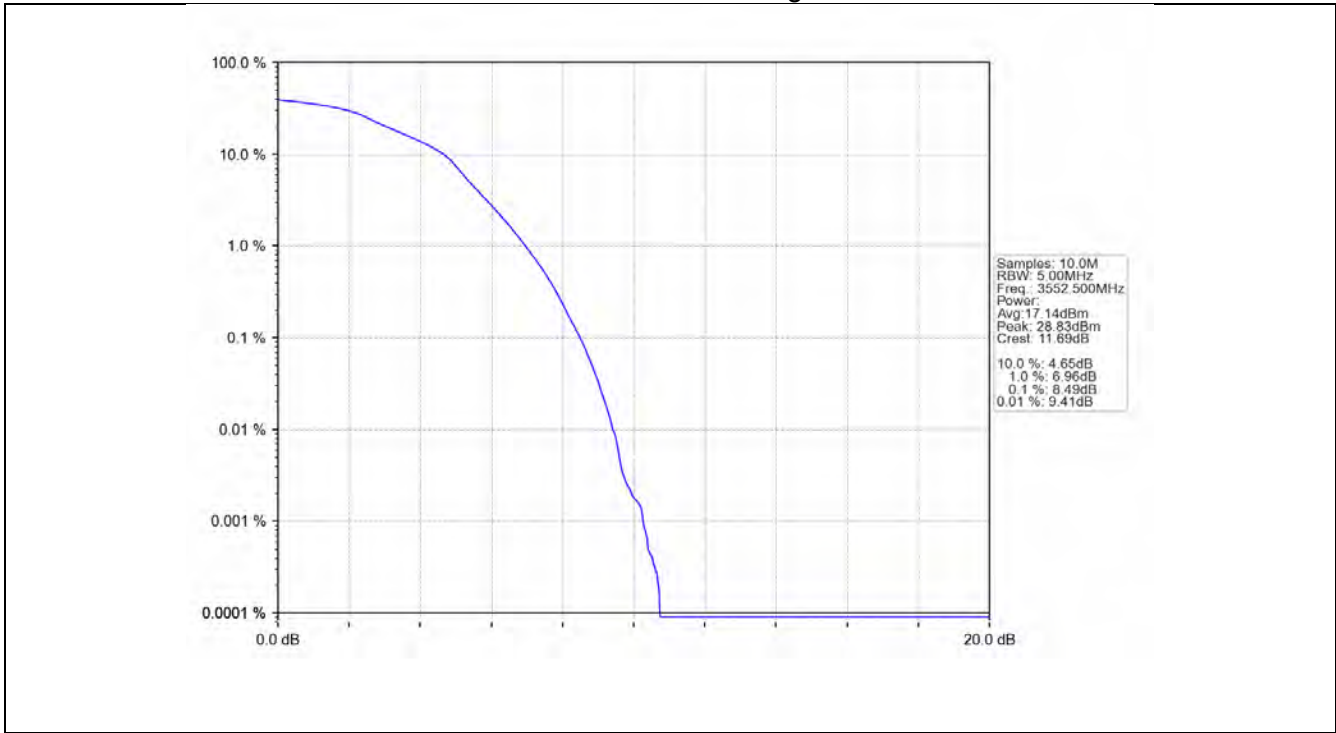


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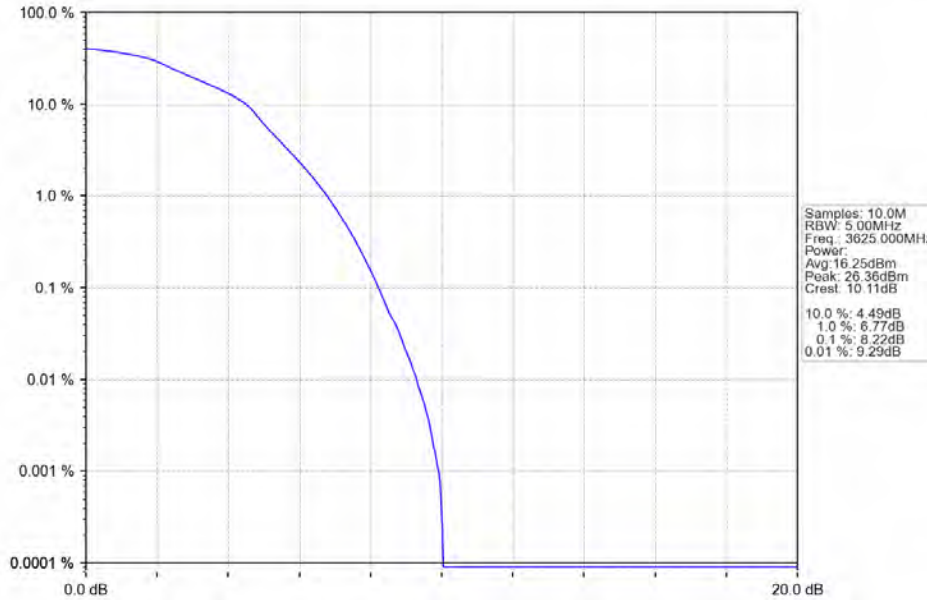


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Band48\_5MHz\_16QAM\_MCH\_3625MHz\_RB\_25\_0\_NTNV



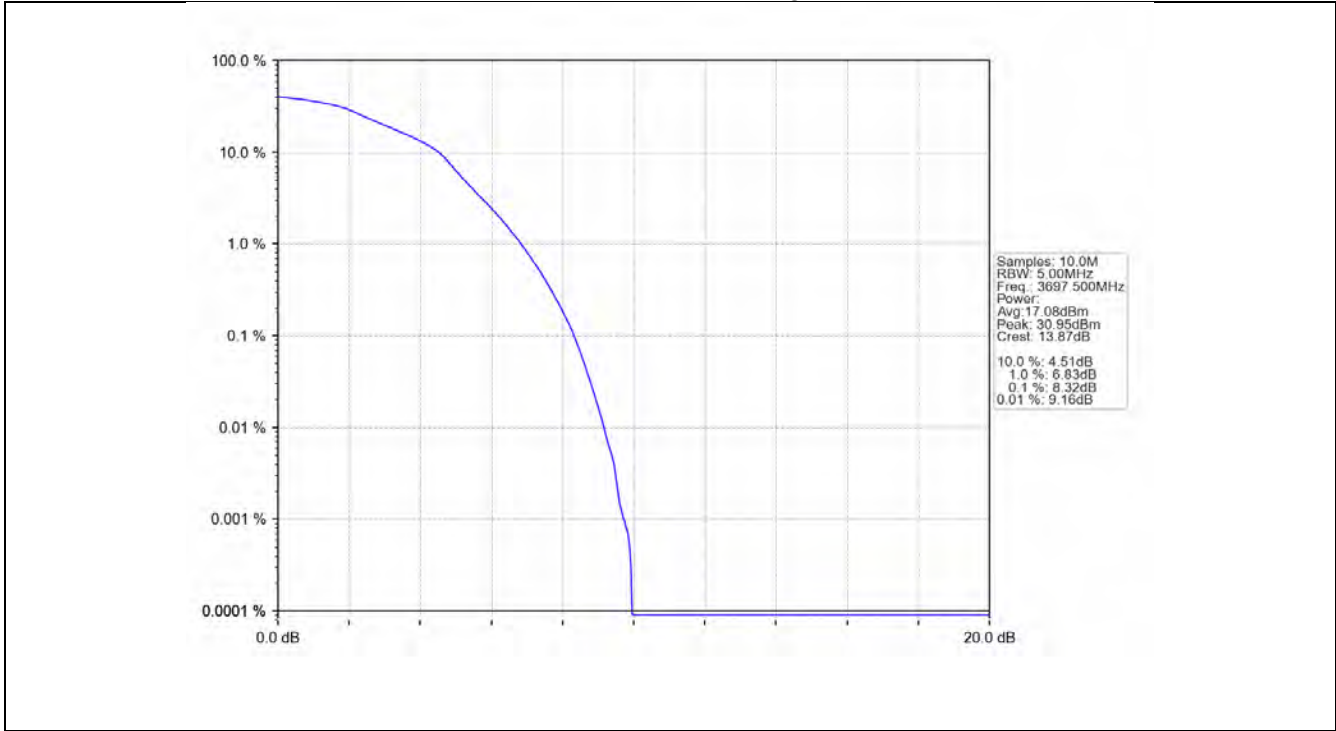
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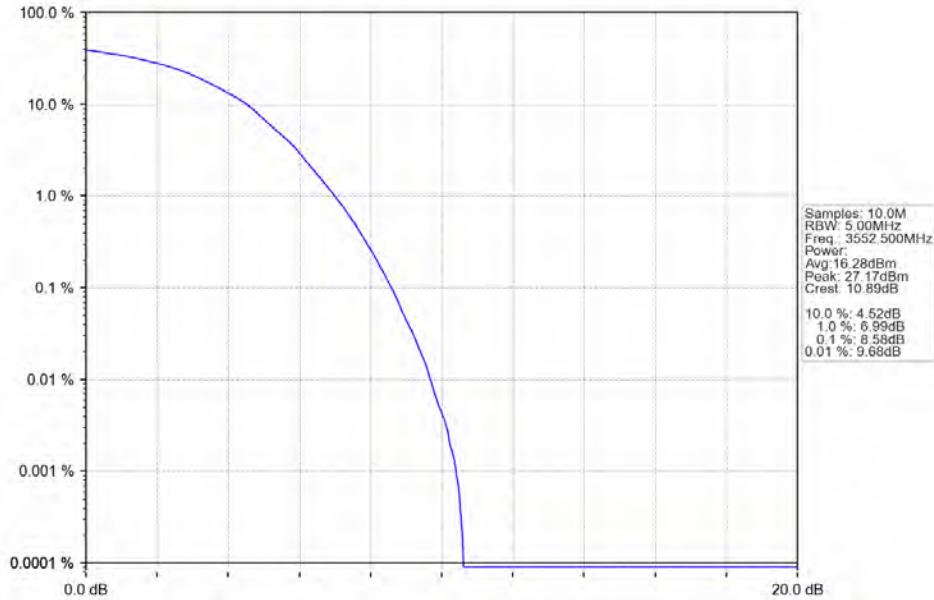


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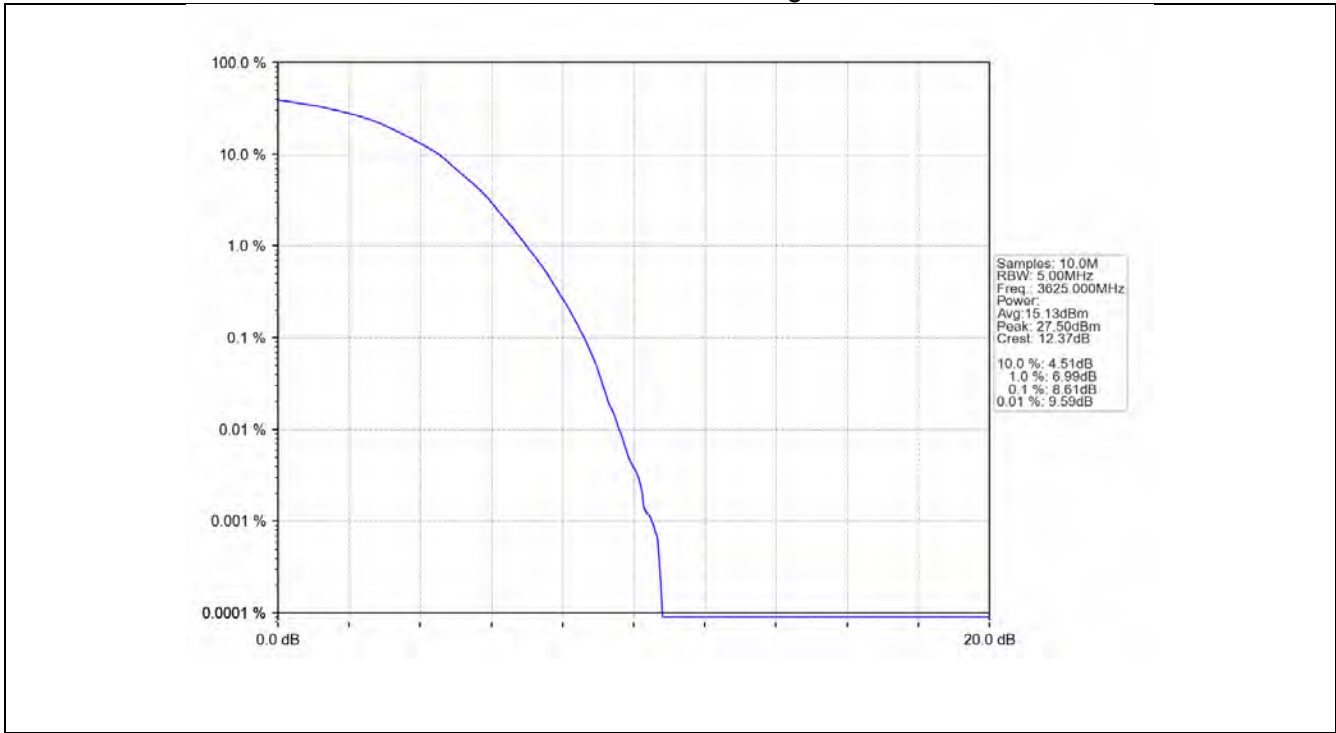


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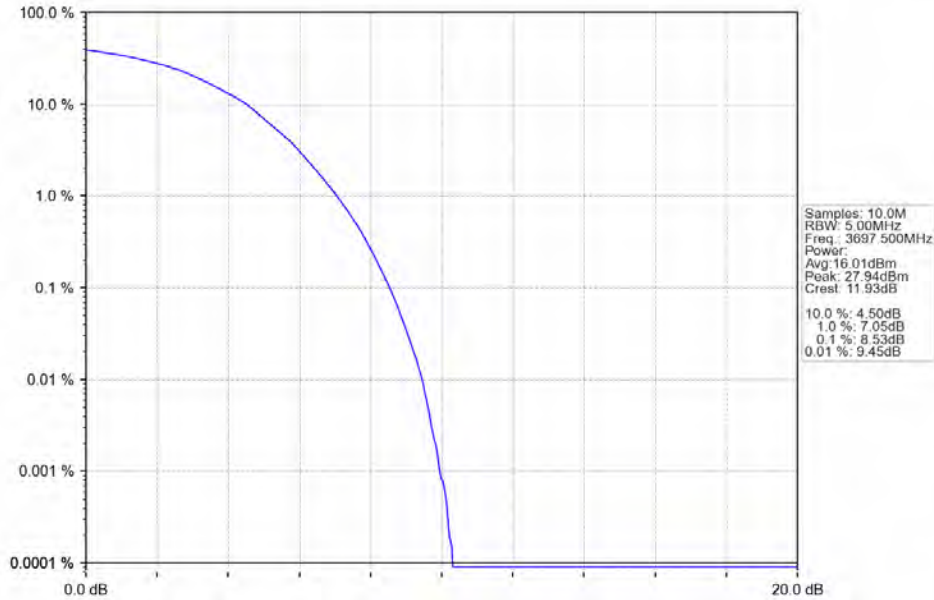
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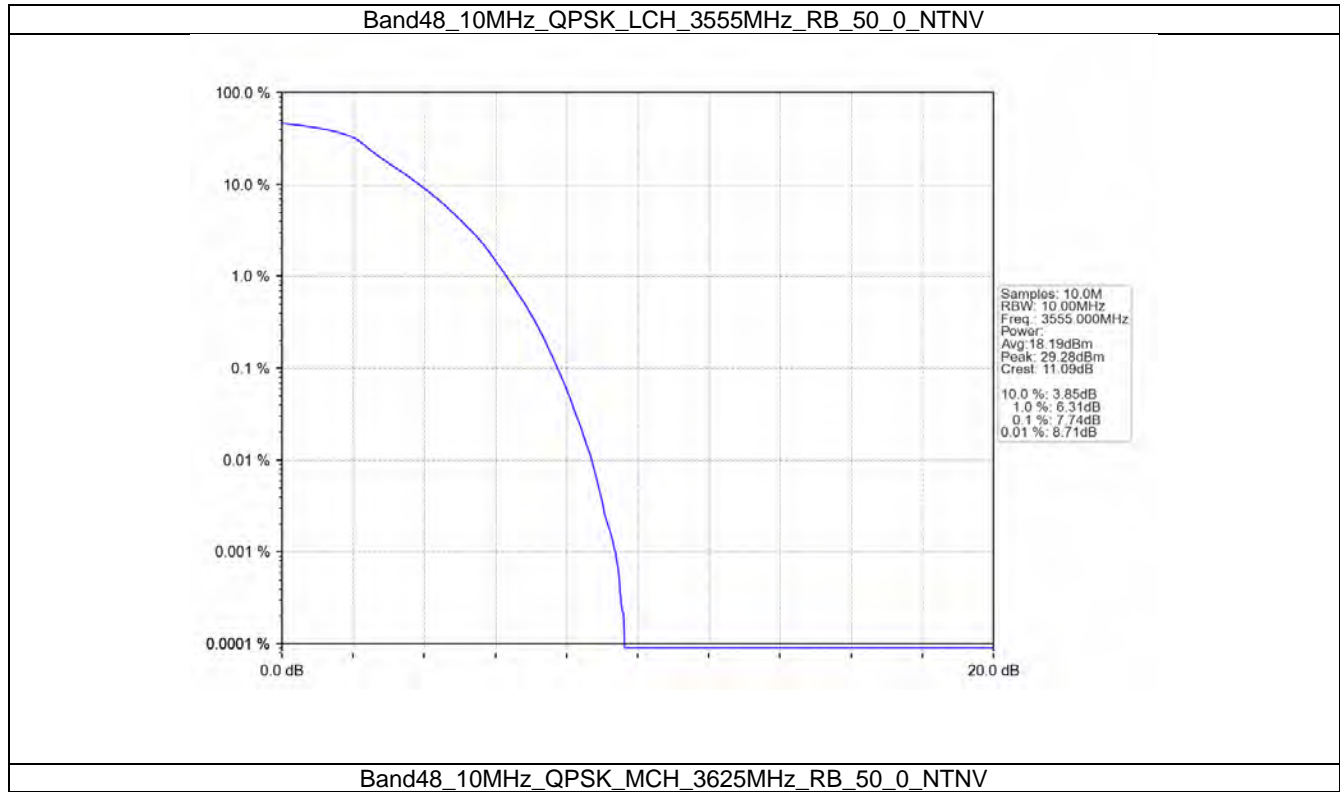


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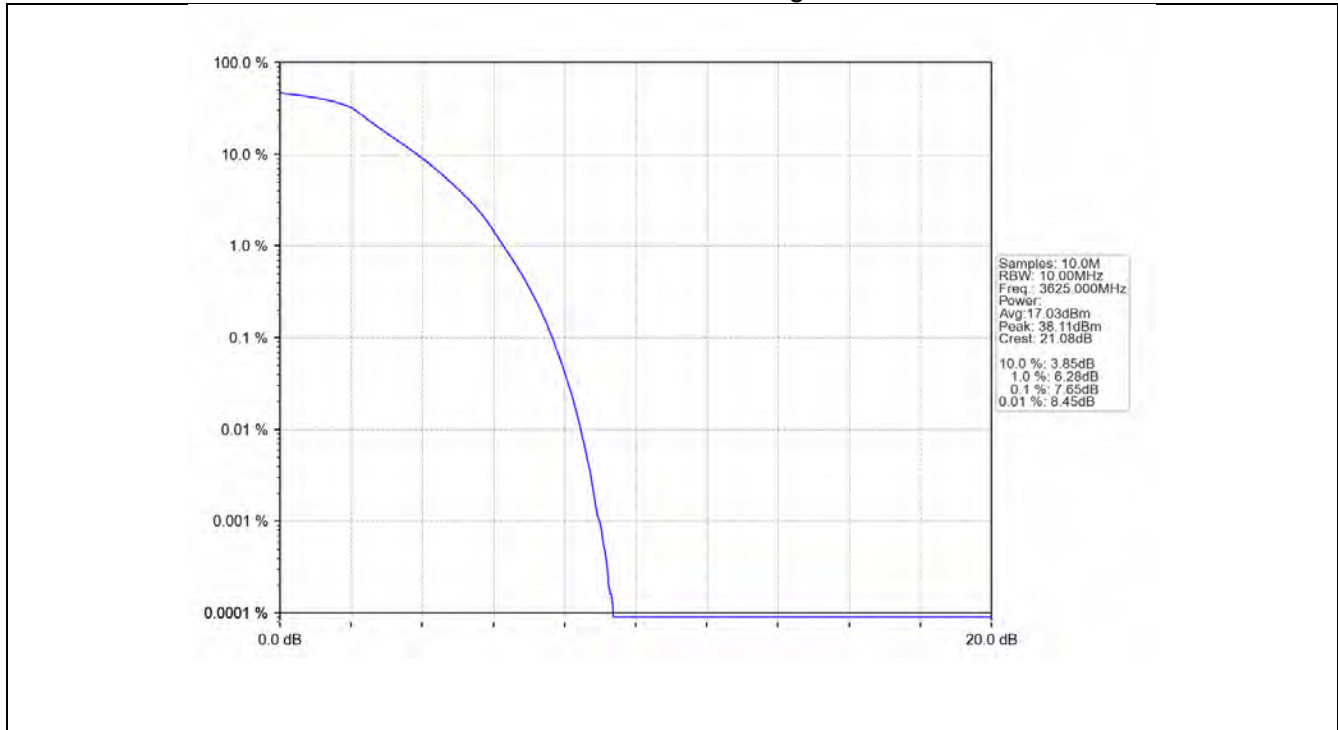
4.2.2 B48\_10MHz



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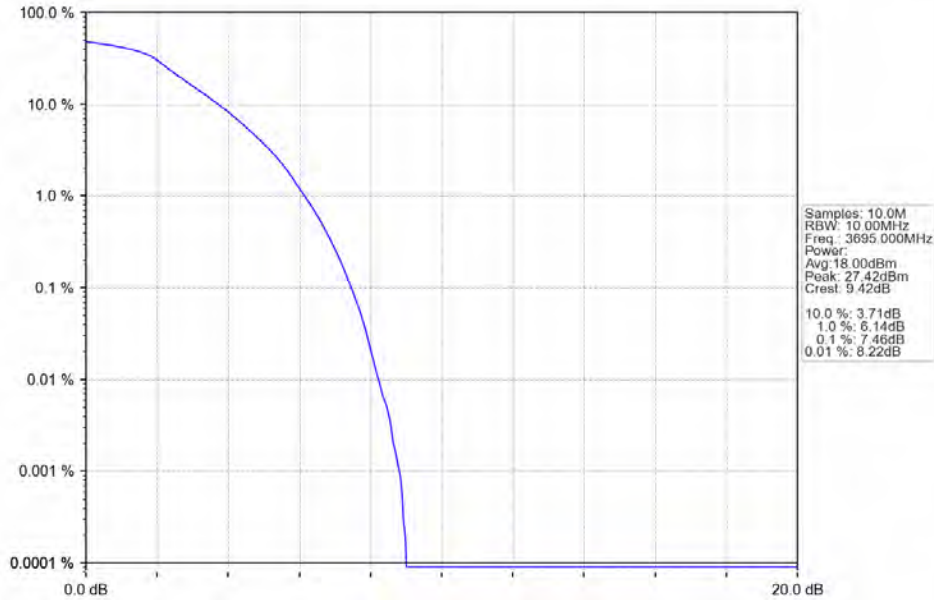


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Band48\_10MHz\_QPSK\_HCH\_3695MHz\_RB\_50\_0\_NTNV



Band48\_10MHz\_16QAM\_LCH\_3555MHz\_RB\_50\_0\_NTNV

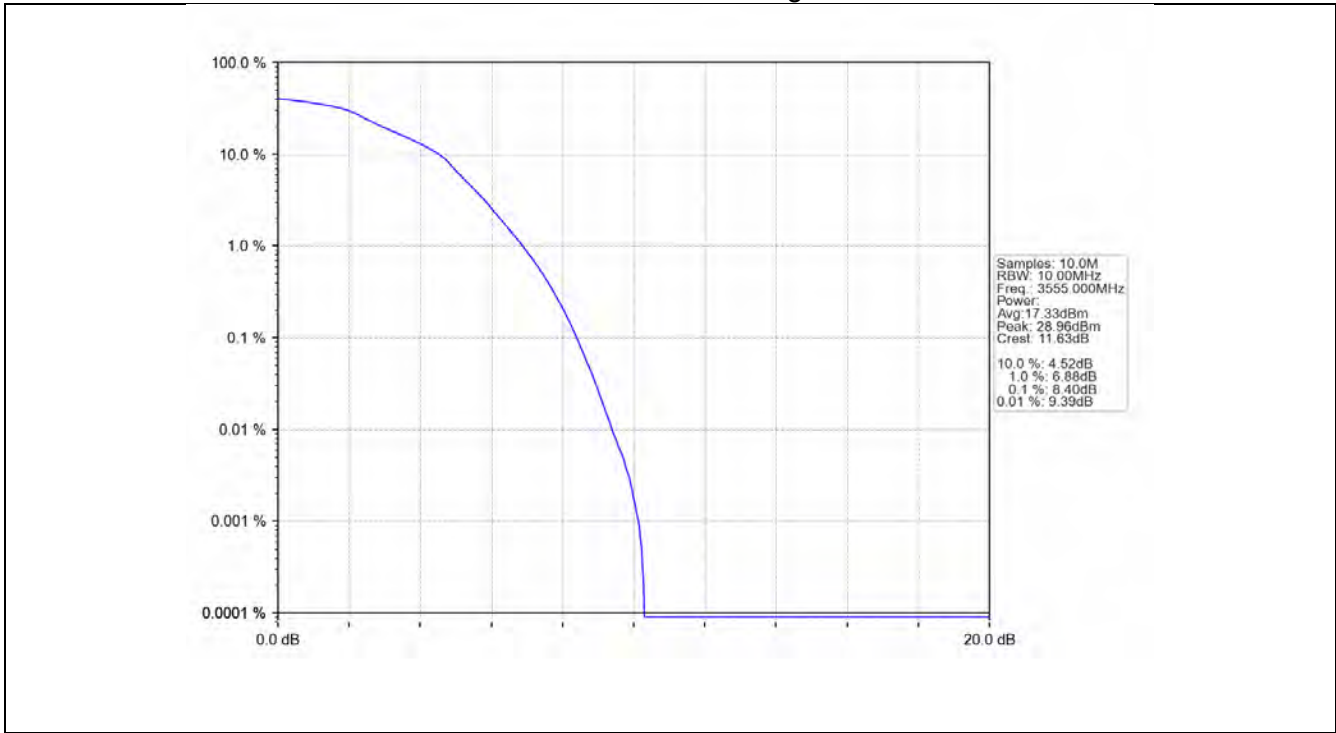


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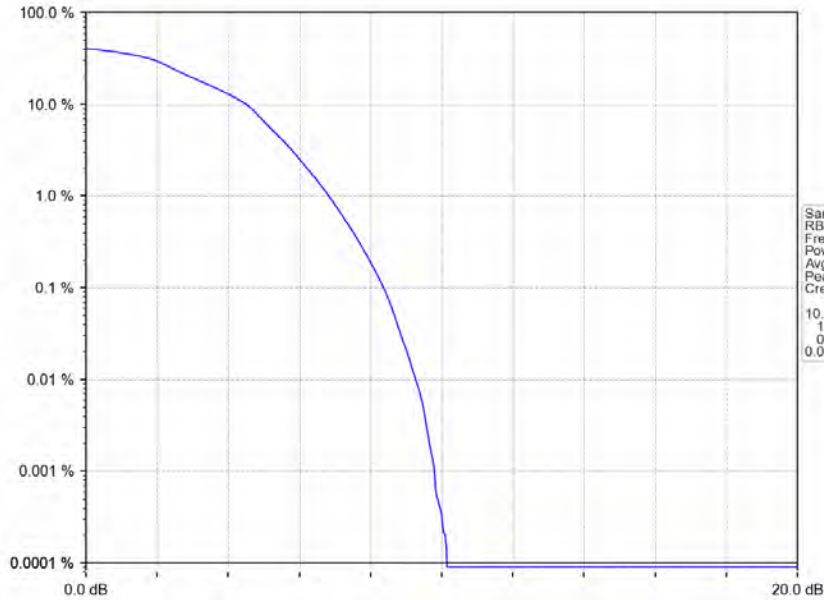


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Band48\_10MHz\_16QAM\_MCH\_3625MHz\_RB\_50\_0\_NTNV



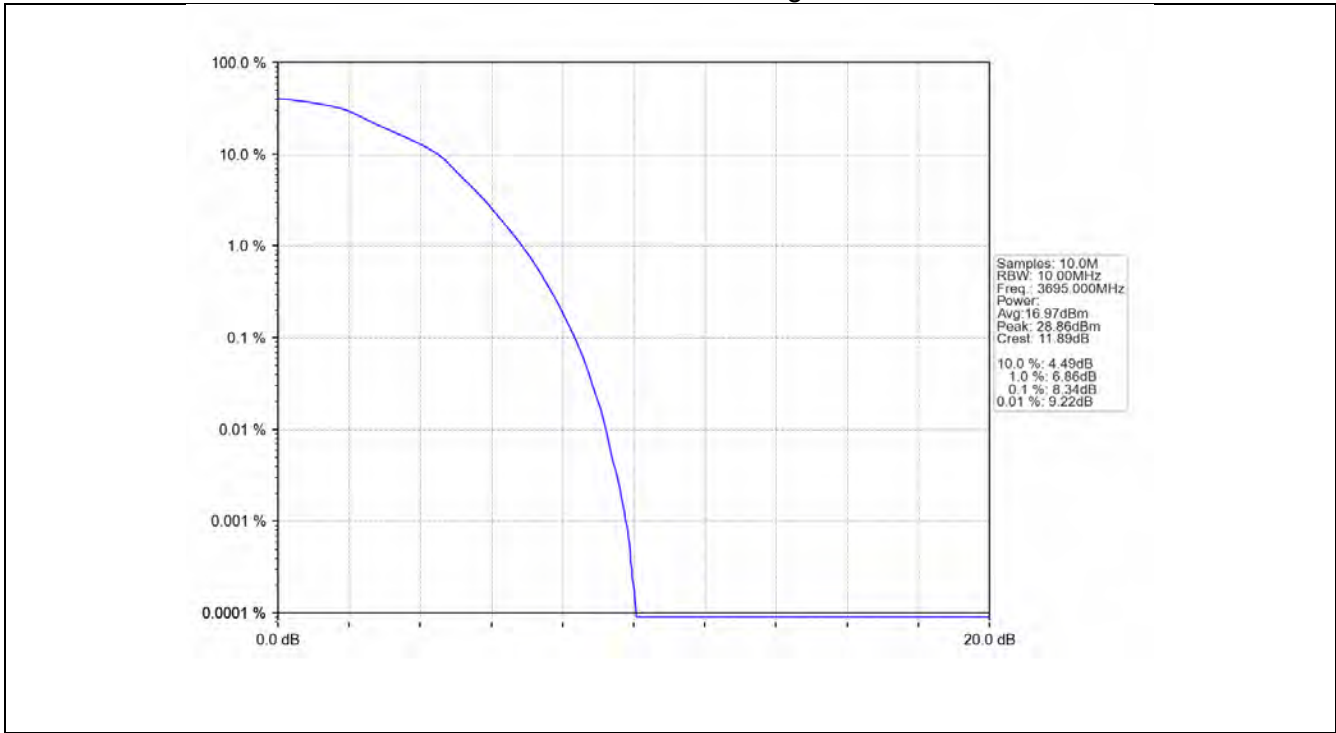
Samples: 10.0M  
 RBW: 10.00MHz  
 Freq: 3625.000MHz  
 Power:  
 Avg: 16.20dBm  
 Peak: 26.42dBm  
 Crest: 10.22dB  
 10.0 %: 4.49dB  
 1.0 %: 6.82dB  
 0.1 %: 8.36dB  
 0.01 %: 9.27dB

Band48\_10MHz\_16QAM\_HCH\_3695MHz\_RB\_50\_0\_NTNV



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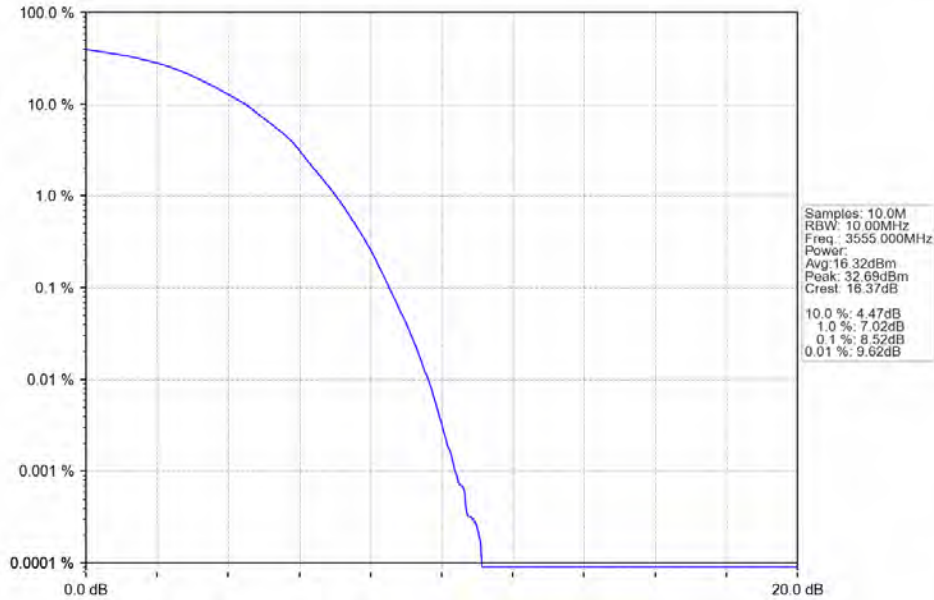
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Band48\_10MHz\_64QAM\_LCH\_3555MHz\_RB\_50\_0\_NTNV



Band48\_10MHz\_64QAM\_MCH\_3625MHz\_RB\_50\_0\_NTNV

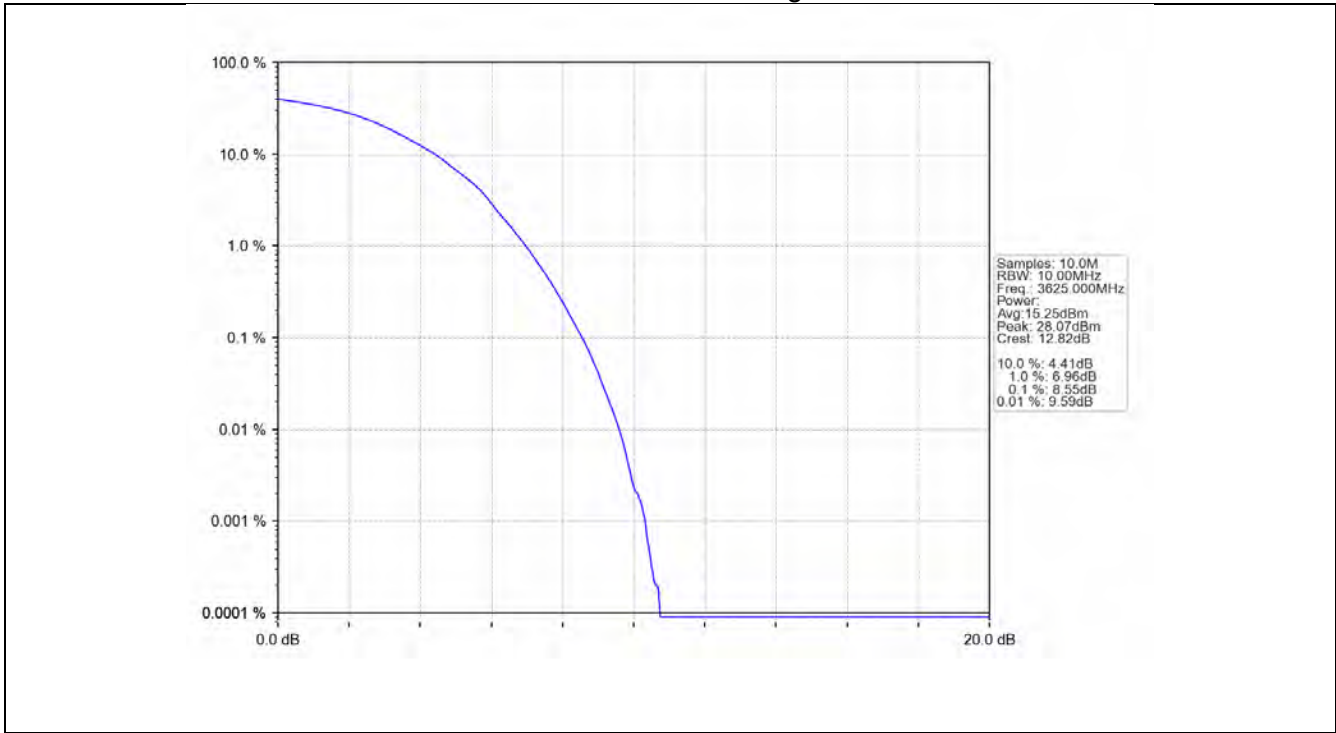


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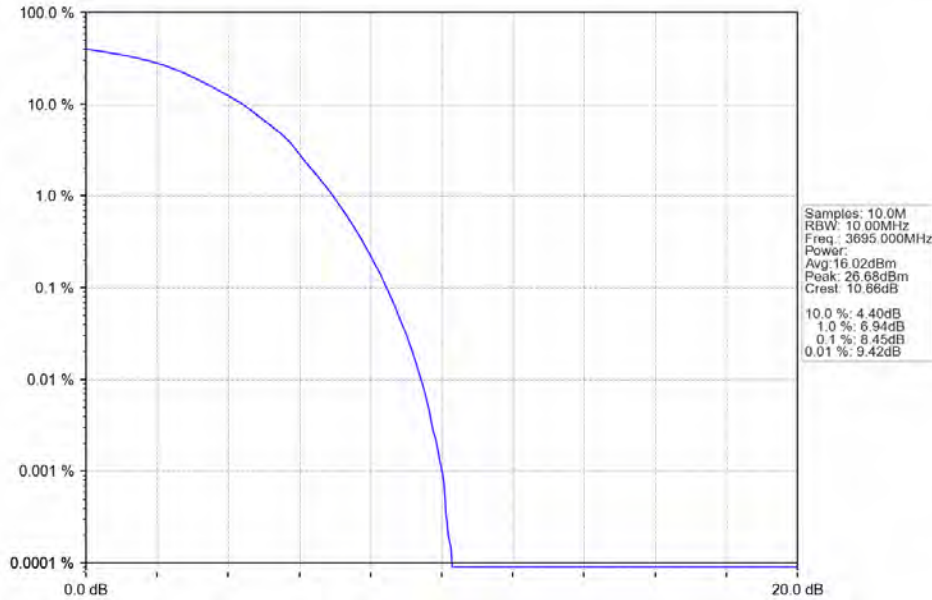


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Band48\_10MHz\_64QAM\_HCH\_3695MHz\_RB\_50\_0\_NTNV

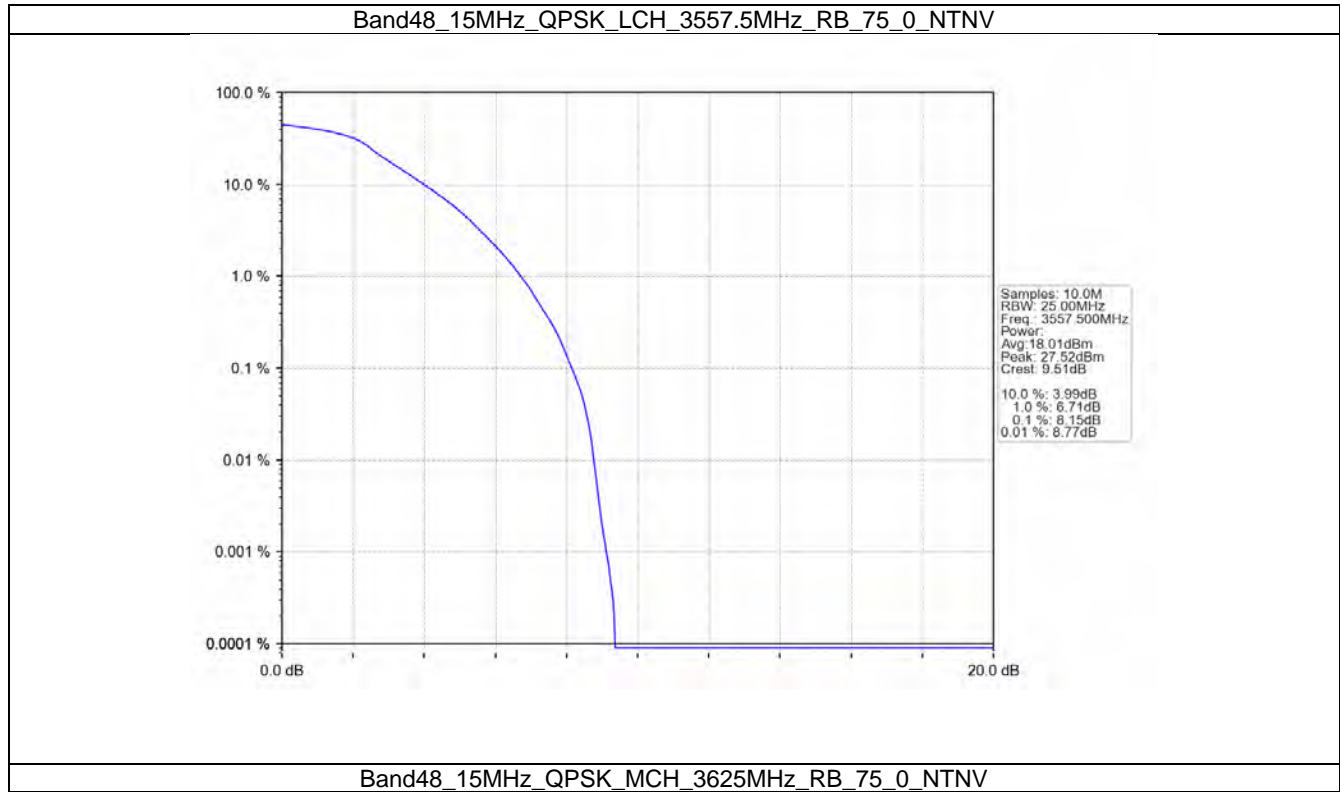


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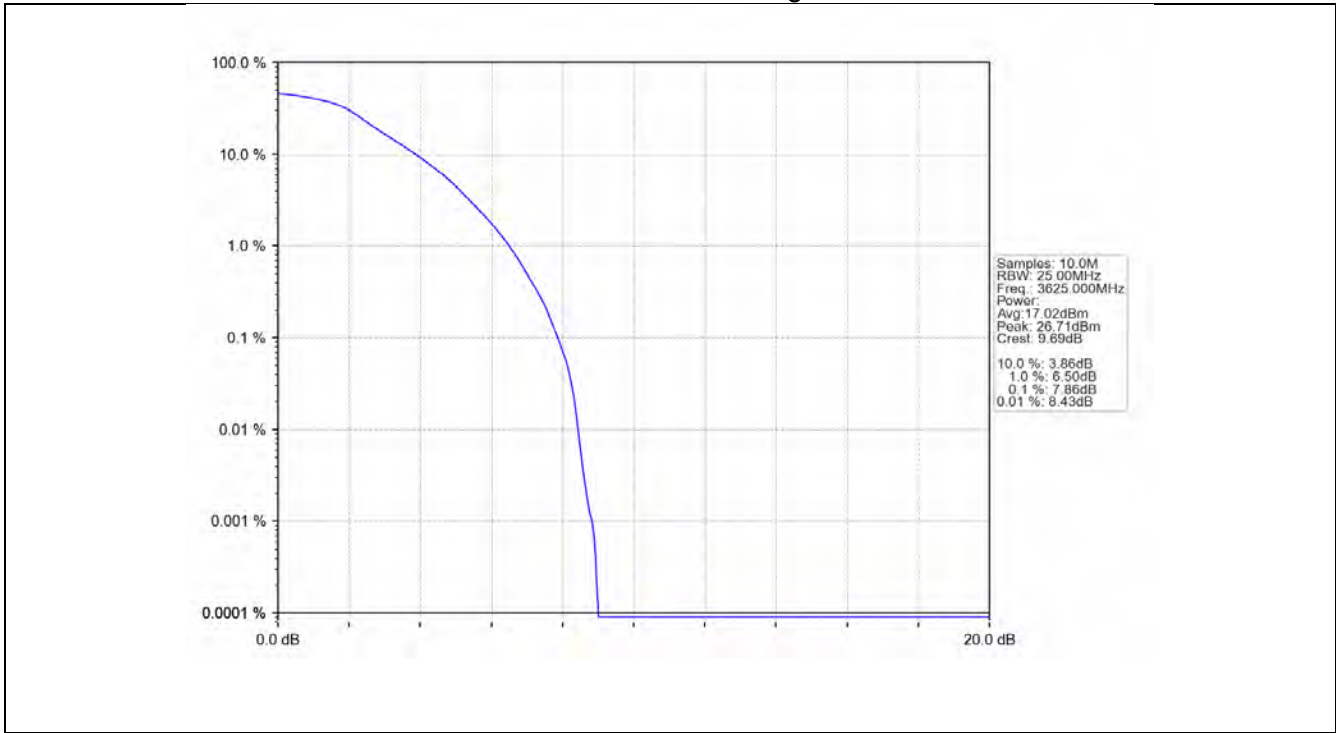
4.2.3 B48\_15MHz



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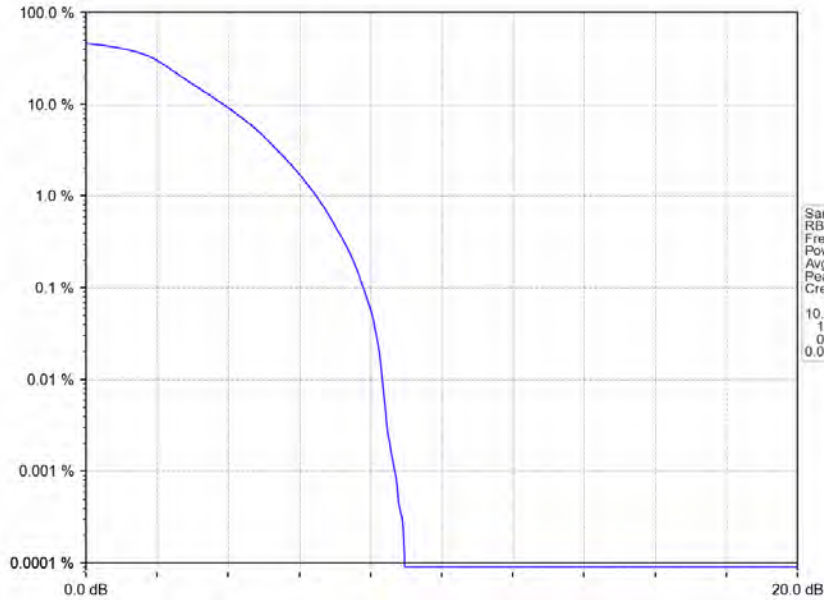
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Band48\_15MHz\_QPSK\_HCH\_3692.5MHz\_RB\_75\_0\_NTNV



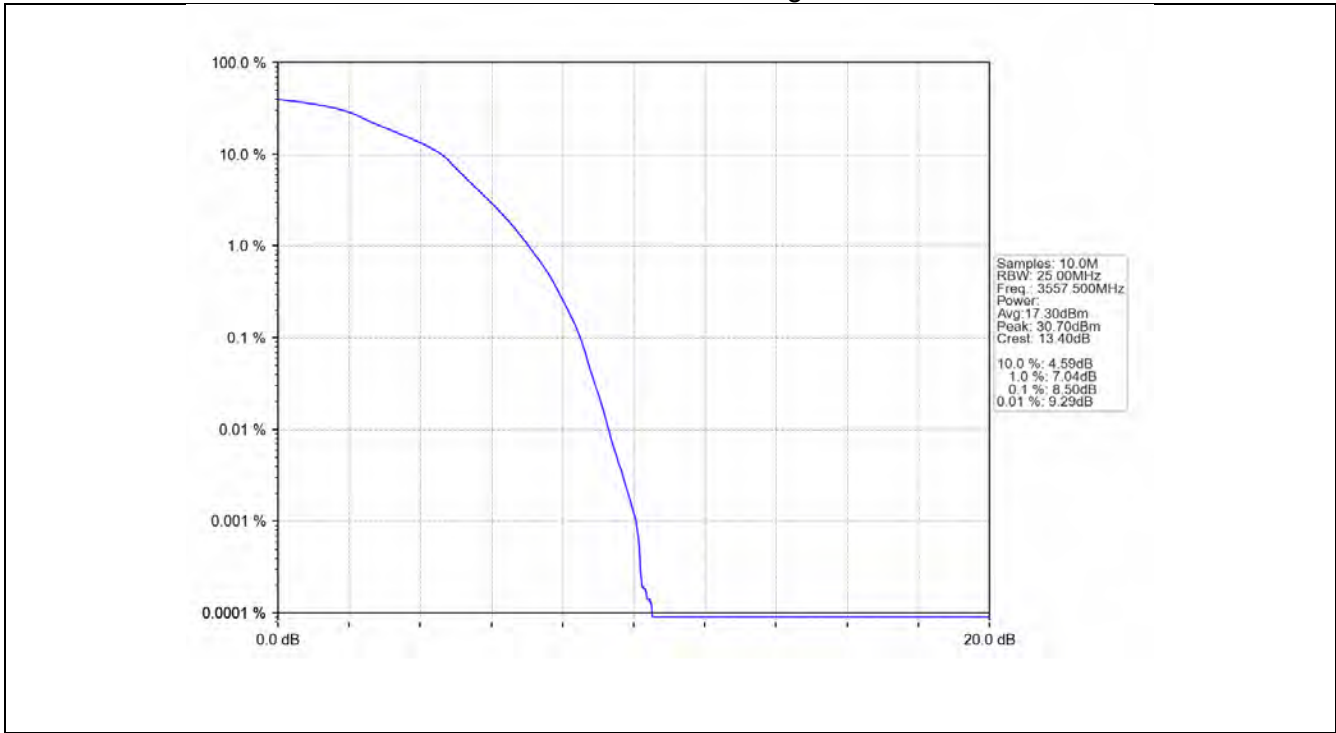
Samples: 10.0M  
 RBW: 25.00MHz  
 Freq: 3692.500MHz  
 Power:  
 Avg: 17.67dBm  
 Peak: 27.58dBm  
 Crest: 9.91dB  
 10.0 %: 3.85dB  
 1.0 %: 6.47dB  
 0.1 %: 7.79dB  
 0.01 %: 8.33dB

Band48\_15MHz\_16QAM\_LCH\_3557.5MHz\_RB\_75\_0\_NTNV



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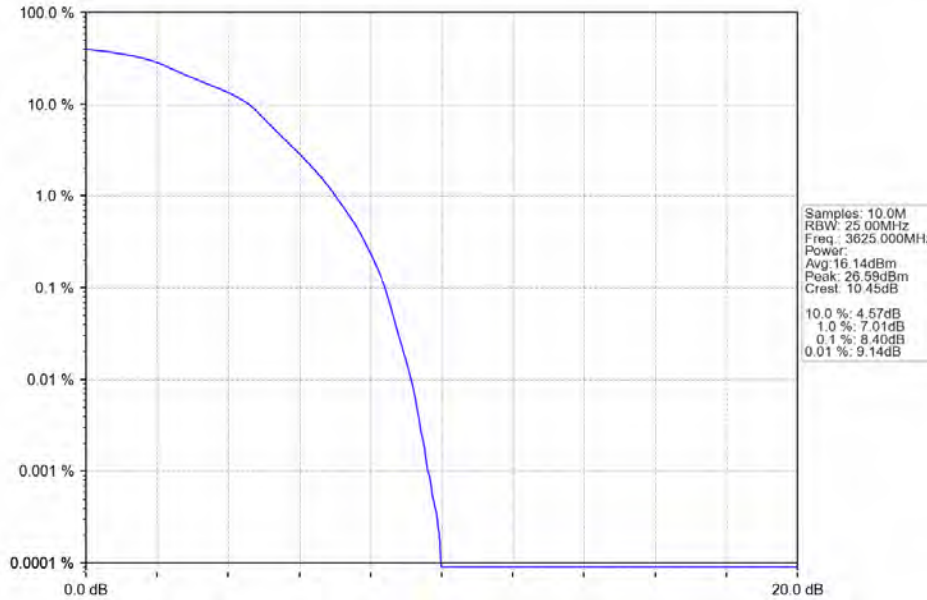


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Band48\_15MHz\_16QAM\_MCH\_3625MHz\_RB\_75\_0\_NTNV



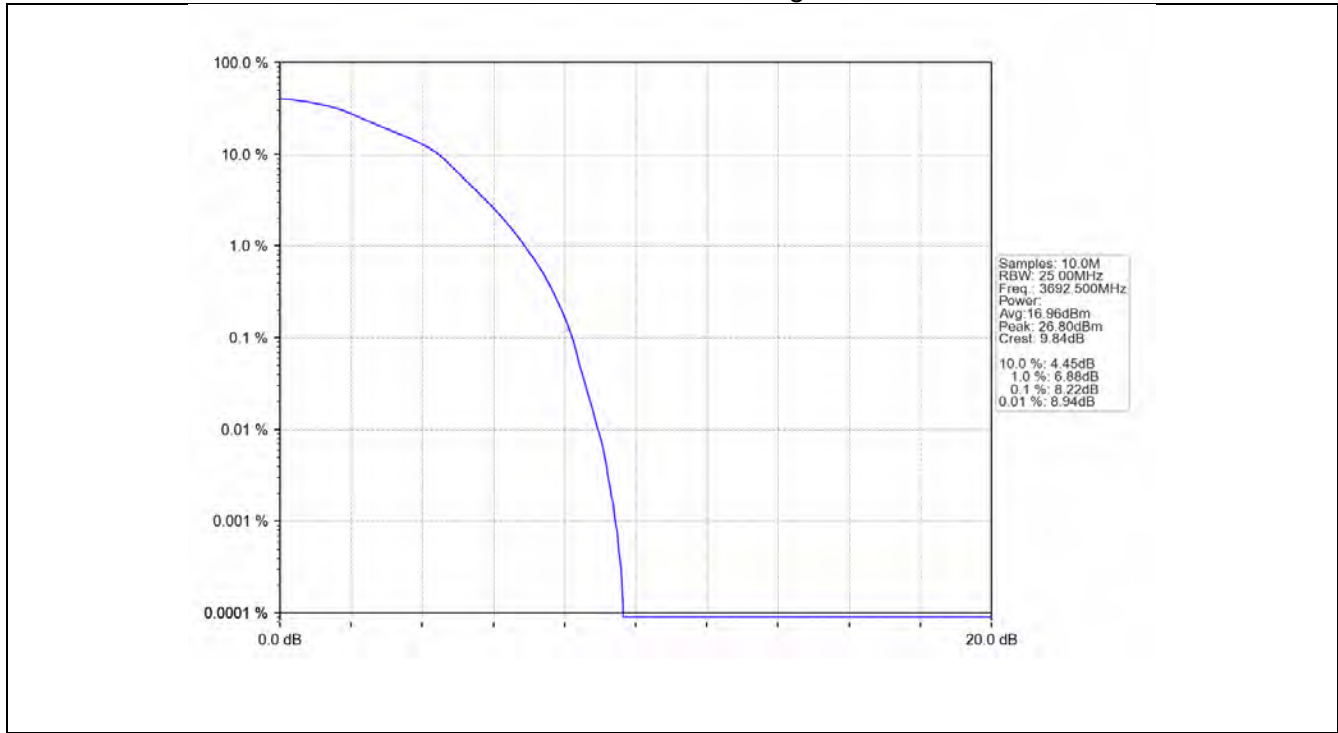
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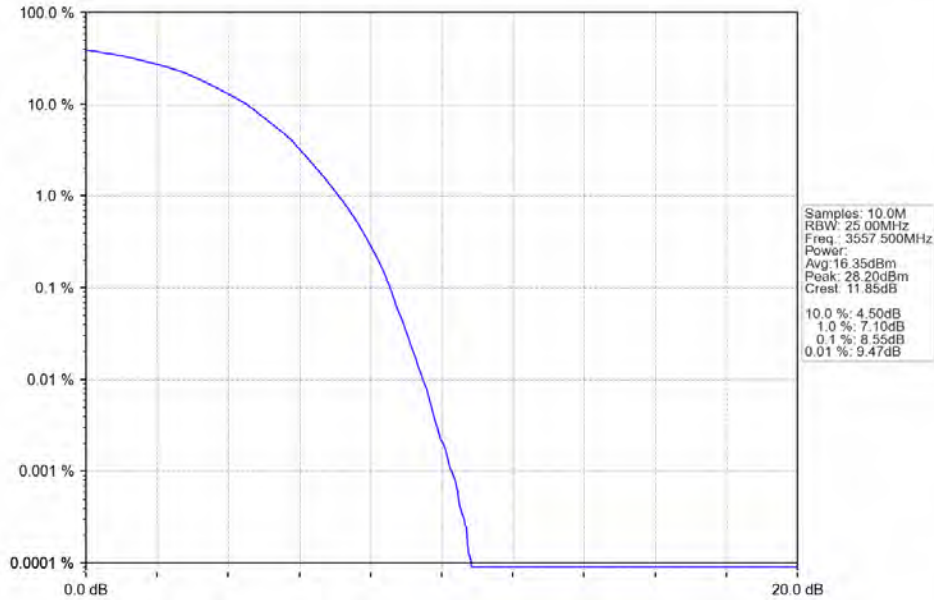
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Band48\_15MHz\_64QAM\_LCH\_3557.5MHz\_RB\_75\_0\_NTNV



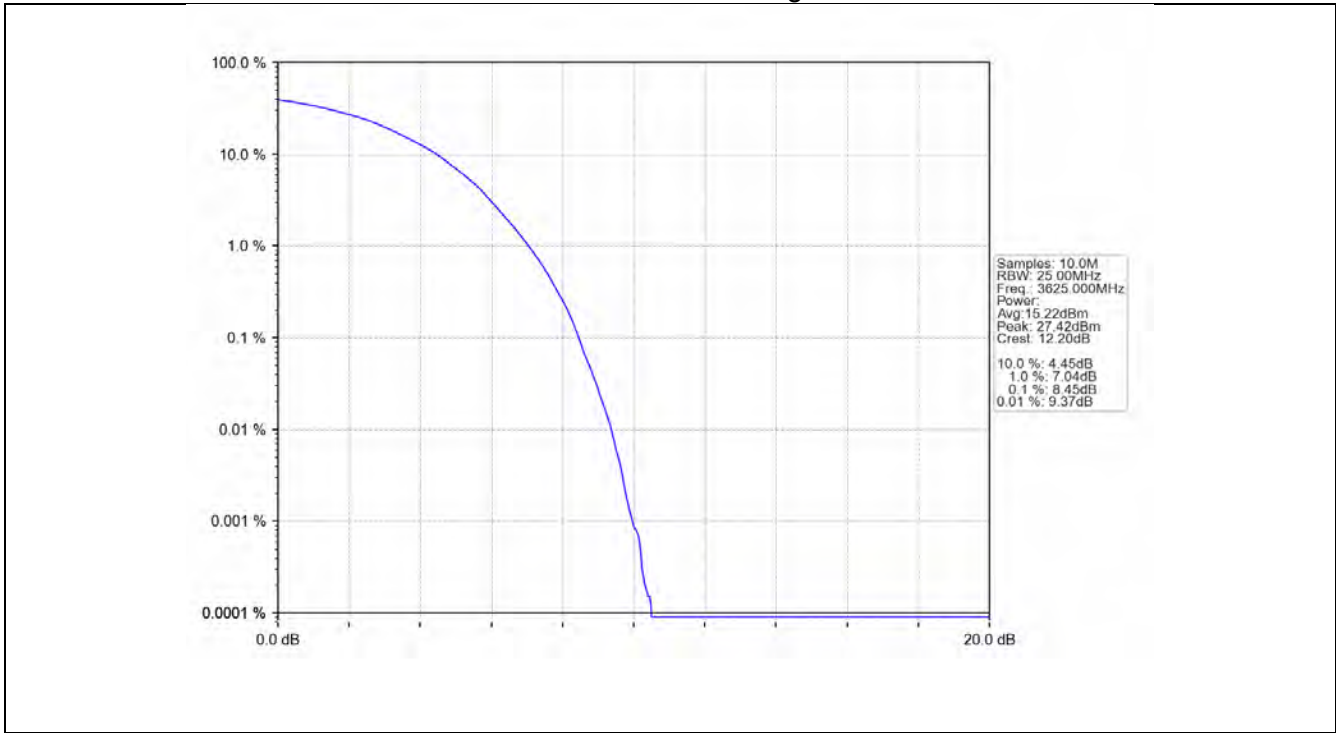
Band48\_15MHz\_64QAM\_MCH\_3625MHz\_RB\_75\_0\_NTNV



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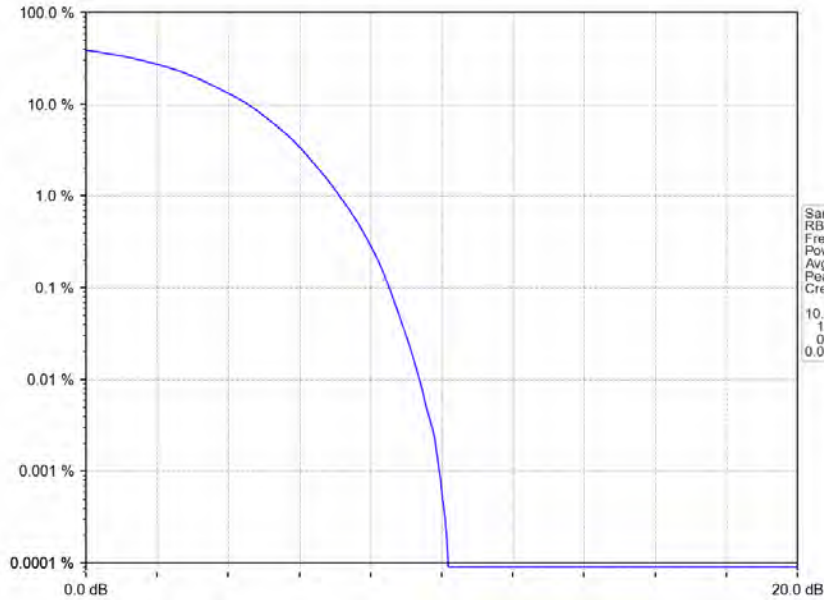


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Band48\_15MHz\_64QAM\_HCH\_3692.5MHz\_RB\_75\_0\_NTNV



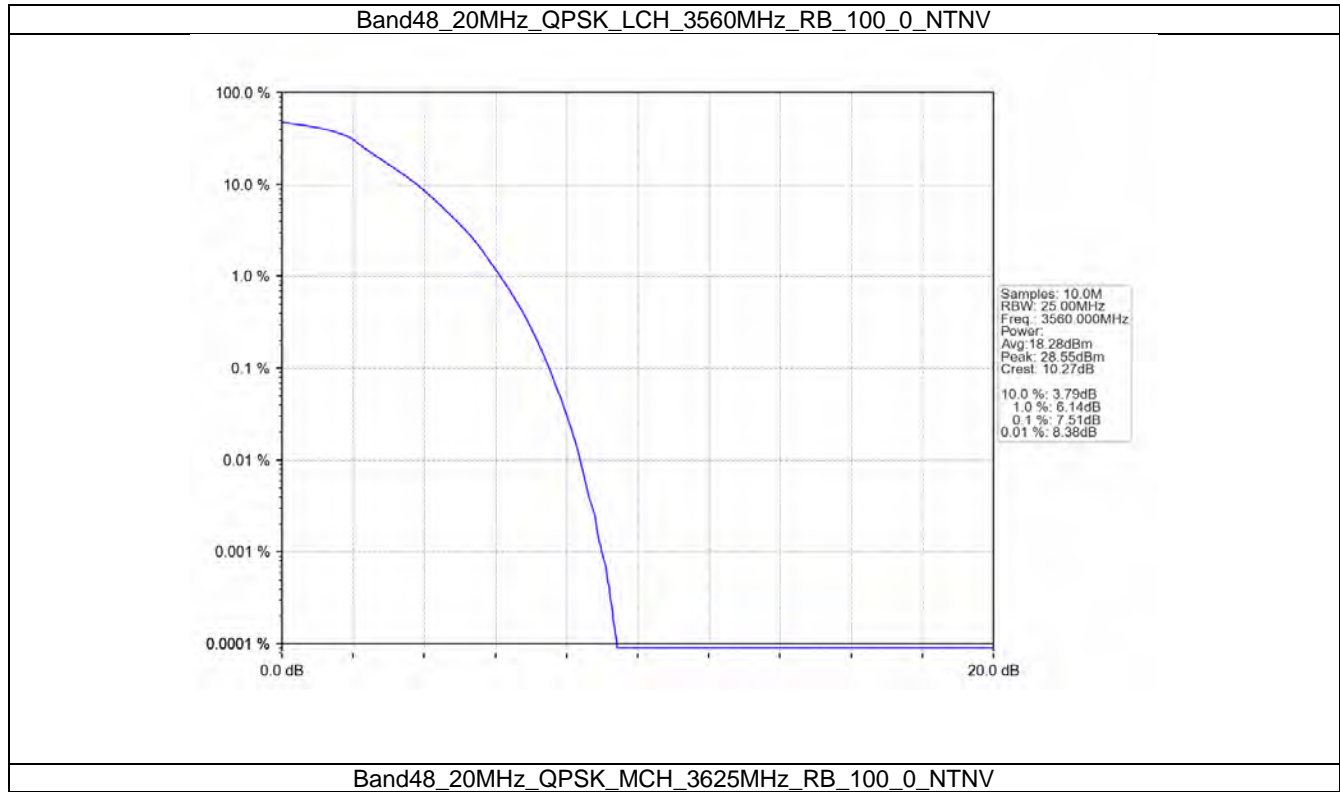
Samples: 10.0M  
 RBW: 25.00MHz  
 Freq: 3692.500MHz  
 Power:  
 Avg: 15.74dBm  
 Peak: 26.49dBm  
 Crest: 10.75dB  
 10.0 %: 4.54dB  
 1.0 %: 7.12dB  
 0.1 %: 8.53dB  
 0.01 %: 9.37dB



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4.2.4 B48\_20MHz

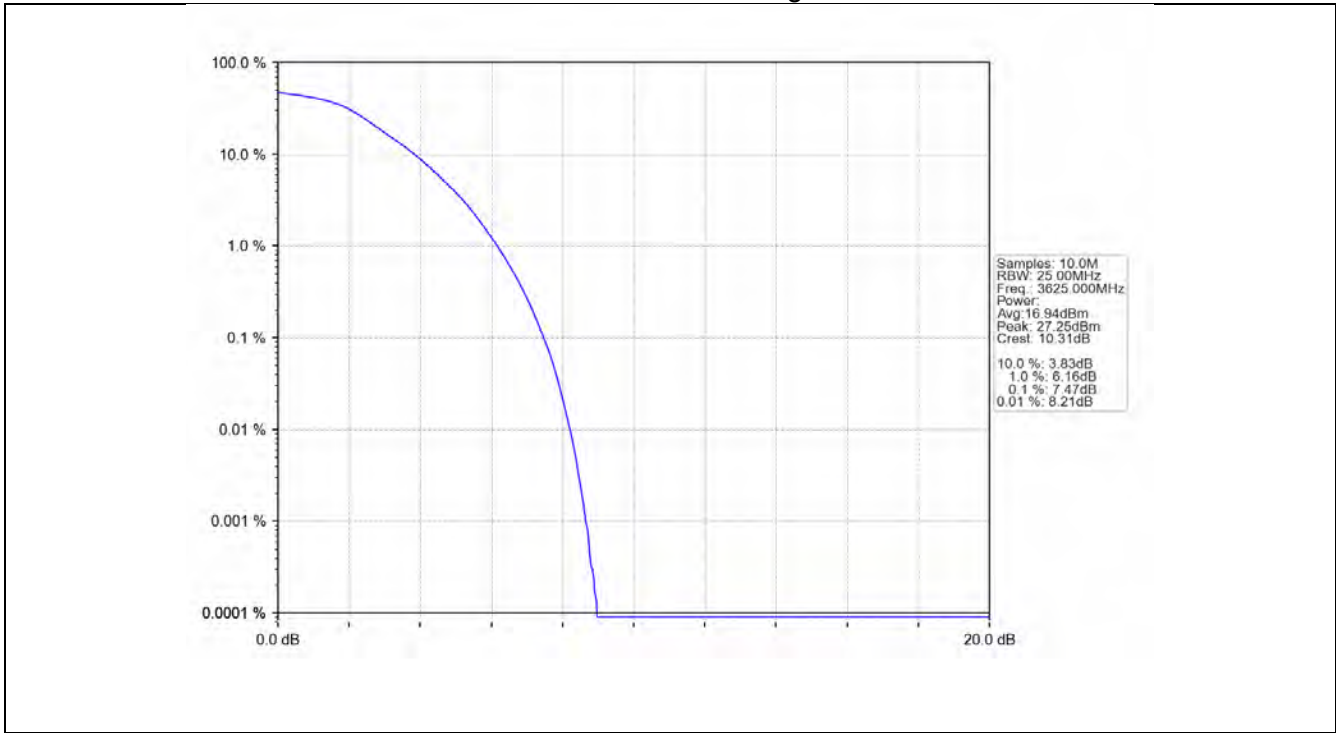


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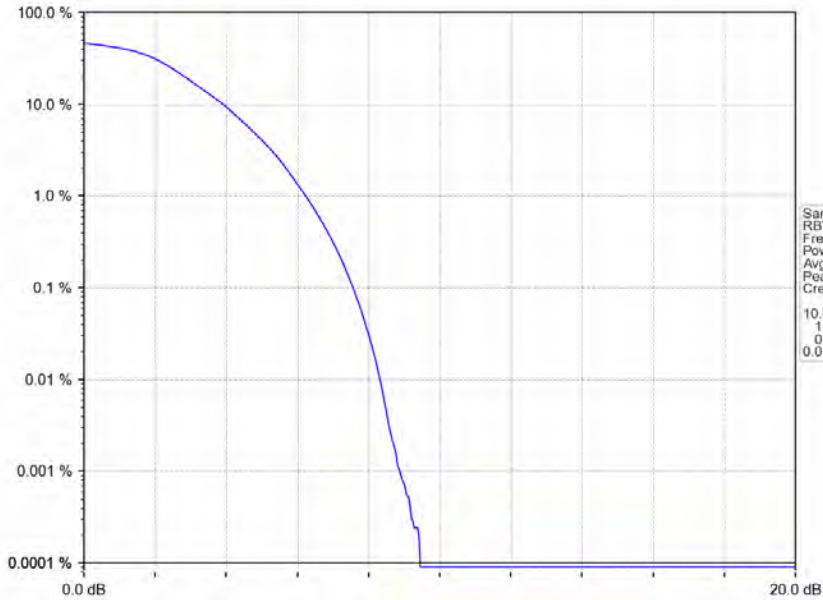




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Band48\_20MHz\_QPSK\_HCH\_3690MHz\_RB\_100\_0\_NTNV



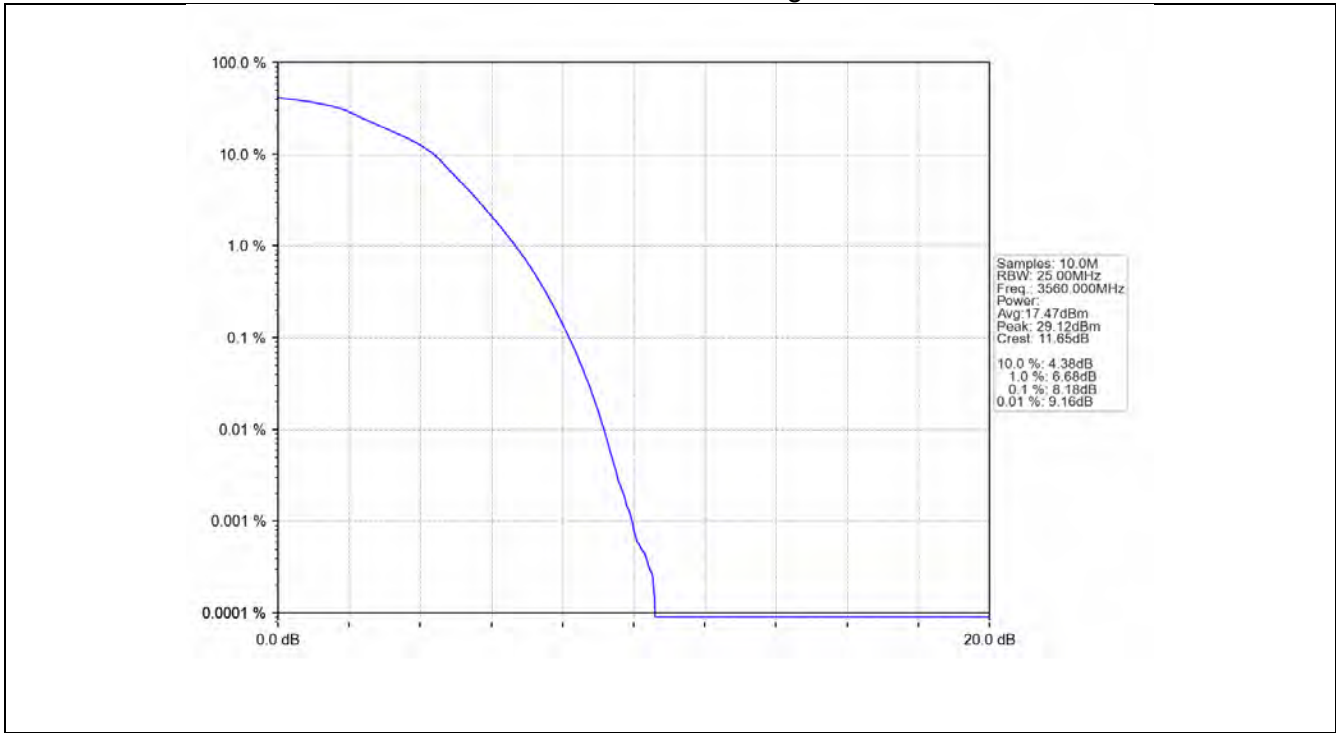
Samples: 10.0M  
 RBW: 25.00MHz  
 Freq: 3690.000MHz  
 Power:  
 Avg: 17.43dBm  
 Peak: 27.19dBm  
 Crest: 9.76dB  
 10.0 %: 3.90dB  
 1.0 %: 6.23dB  
 0.1 %: 7.56dB  
 0.01 %: 8.32dB

Band48\_20MHz\_16QAM\_LCH\_3560MHz\_RB\_100\_0\_NTNV



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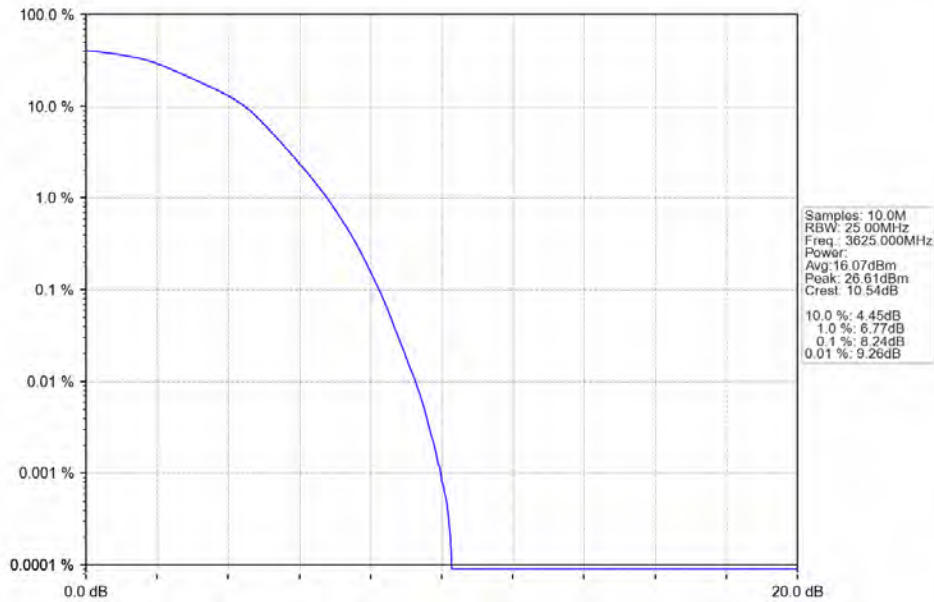
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Band48\_20MHz\_16QAM\_MCH\_3625MHz\_RB\_100\_0\_NTNV



Band48\_20MHz\_16QAM\_HCH\_3690MHz\_RB\_100\_0\_NTNV

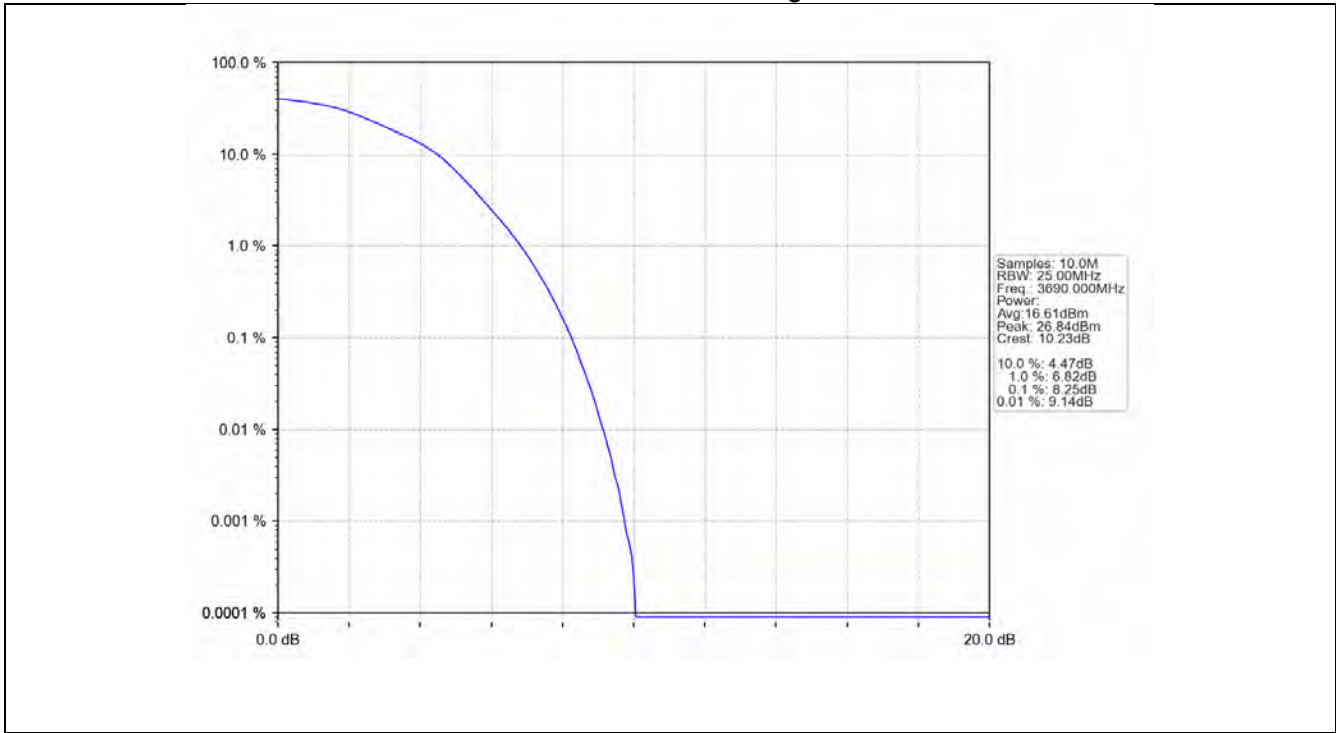


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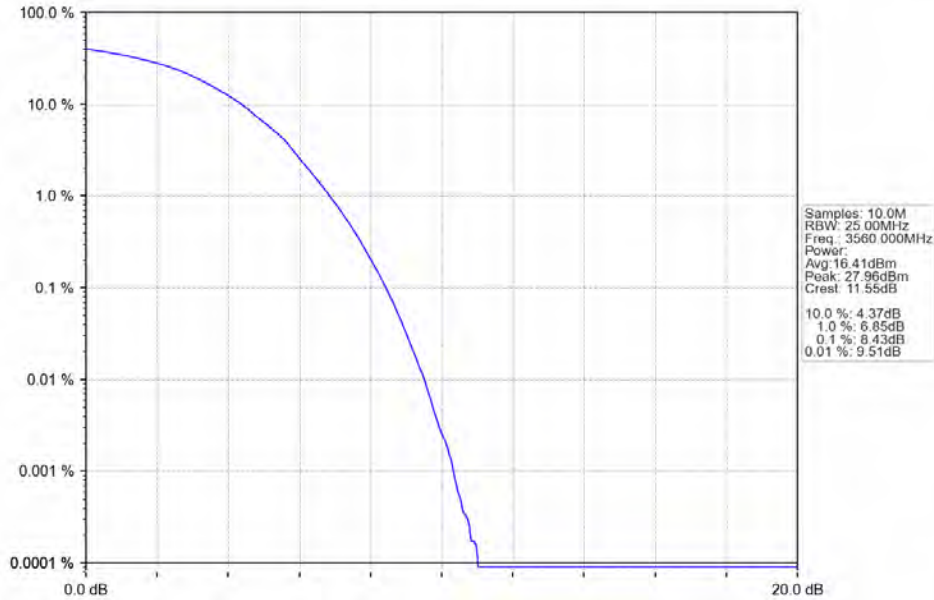




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Band48\_20MHz\_64QAM\_MCH\_3625MHz\_RB\_100\_0\_NTNV



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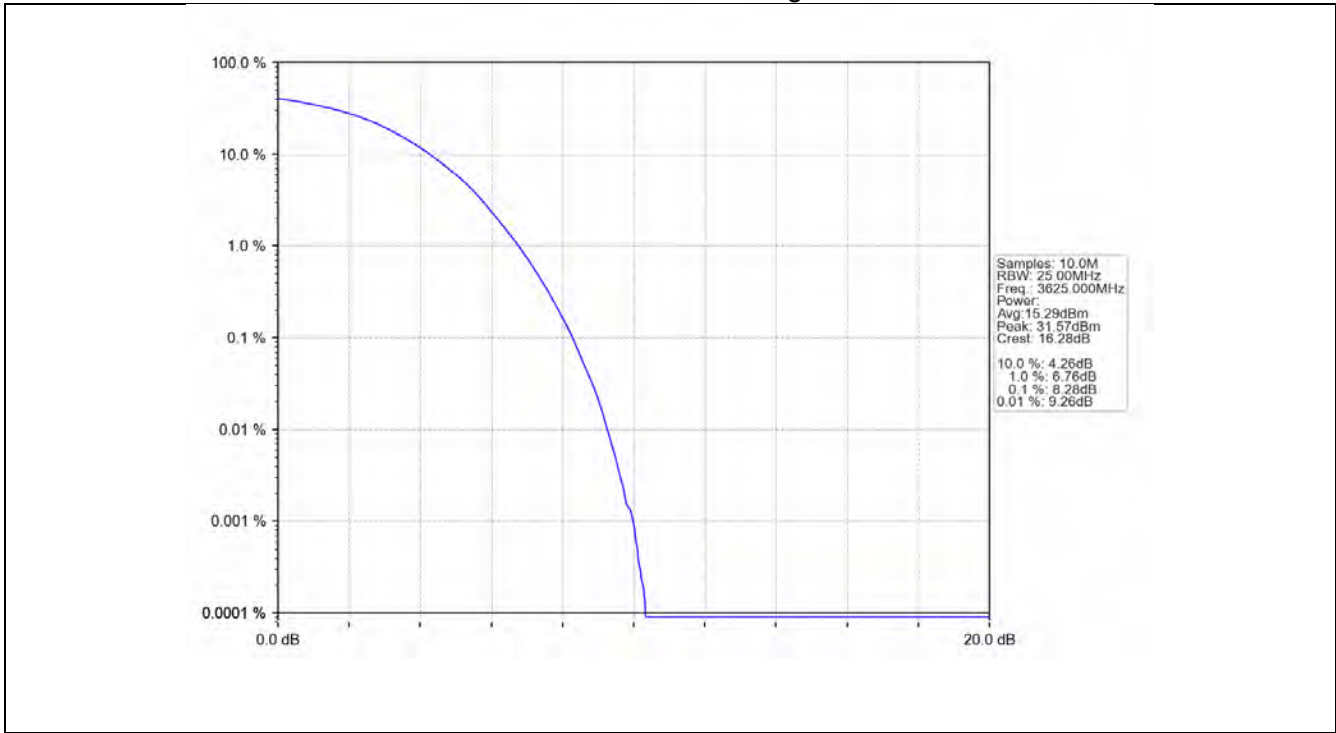
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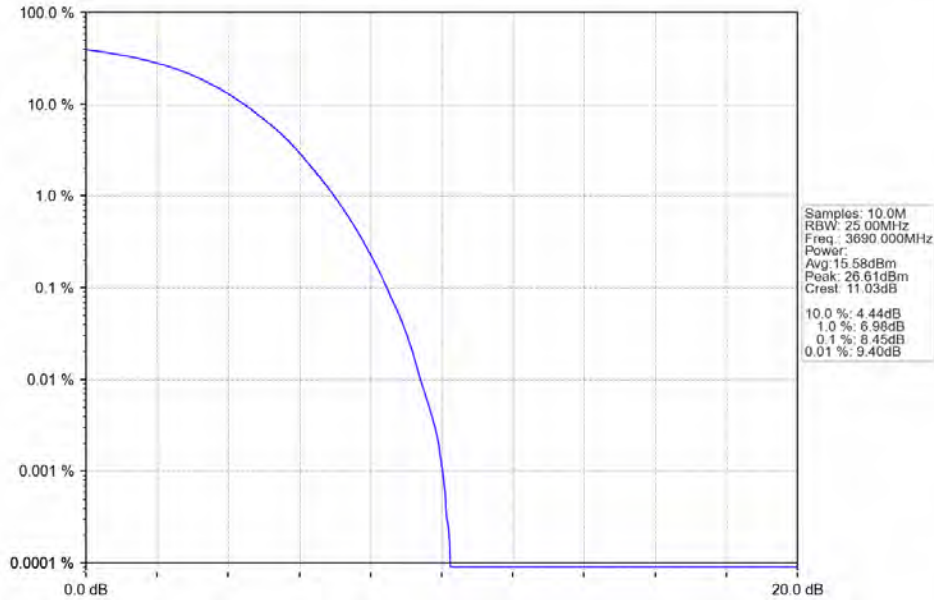


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Band48\_20MHz\_64QAM\_HCH\_3690MHz\_RB\_100\_0\_NTNV



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## 5. Spurious Emission & Band Edges

### 5.1 B48\_5MHz

#### 5.1.1 Test Result

Band: 48 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3697.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

### 5.2 B48\_10MHz

#### 5.2.1 Test Result

Band: 48 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3695	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass



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5.3 B48\_15MHz

5.3.1 Test Result

Band: 48 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3692.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.4 B48\_20MHz

5.4.1 Test Result

Band: 48 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3690	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass



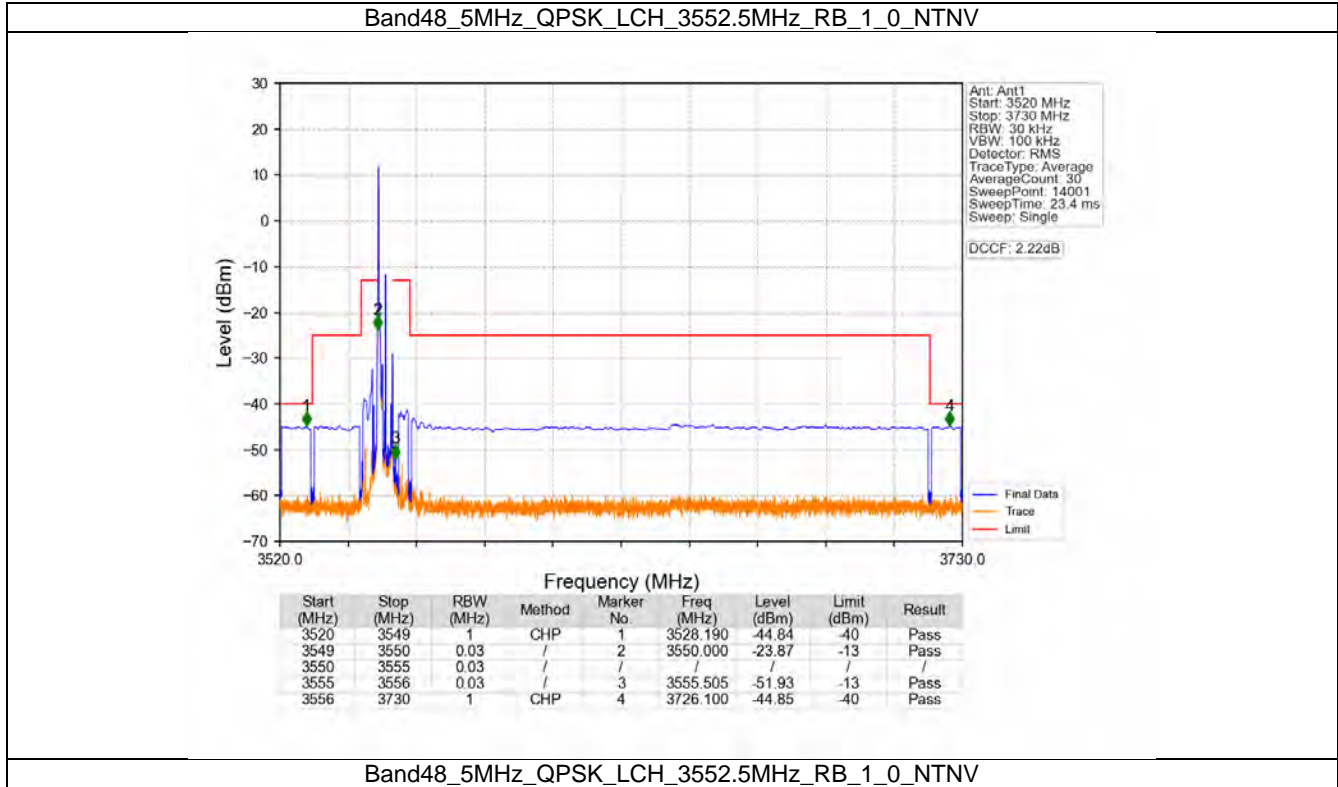
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5.1 B48\_5MHz

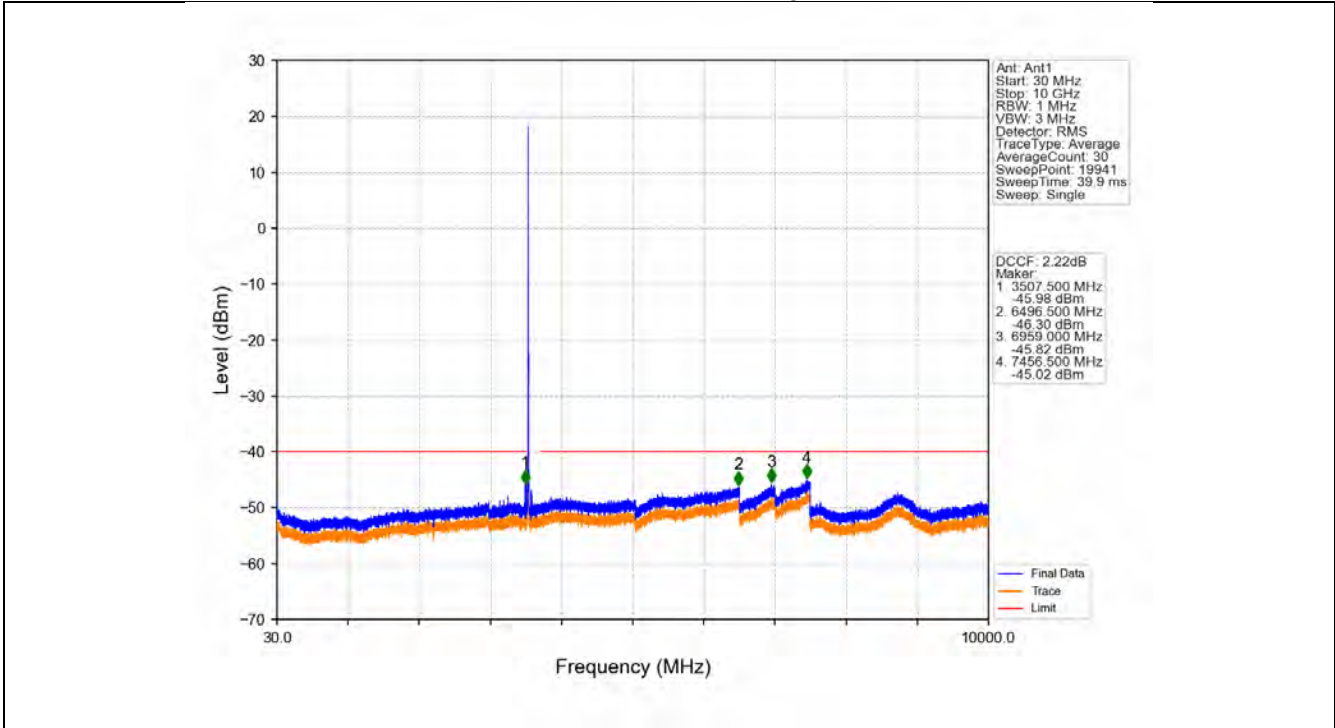
5.1.2 Test Graph



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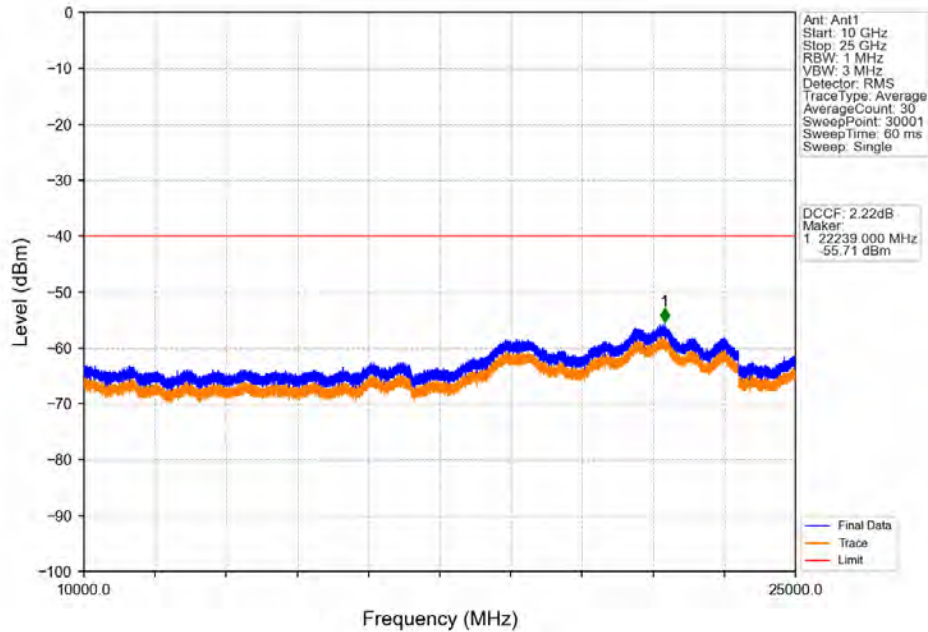
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Band48\_5MHz\_QPSK\_LCH\_3552.5MHz\_RB\_1\_0\_NTNV



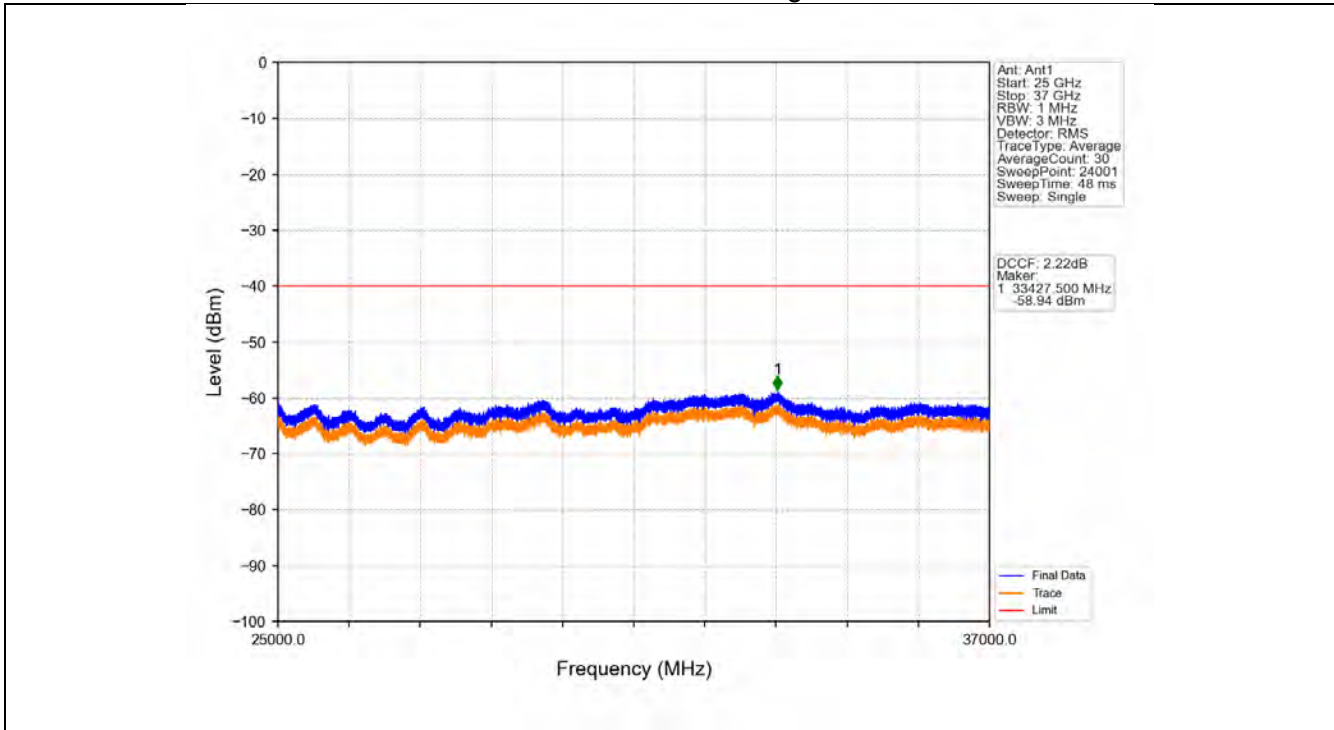
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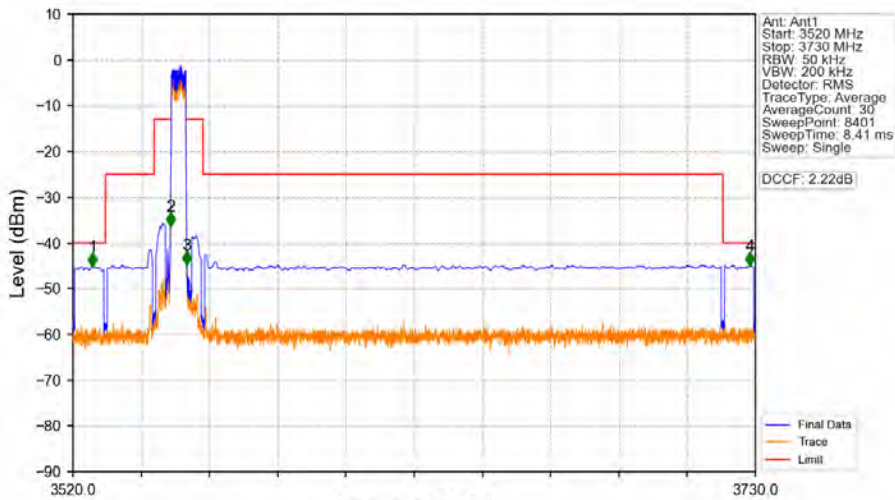


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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3549	1	CHP	1	3526.075	-45.18	-40	Pass
3549	3550	0.05	/	2	3550.000	-36.35	-13	Pass
3550	3555	0.05	/	/	/	/	/	/
3555	3556	0.05	/	3	3555.100	-44.82	-13	Pass
3556	3730	1	CHP	4	3728.325	-44.97	-40	Pass

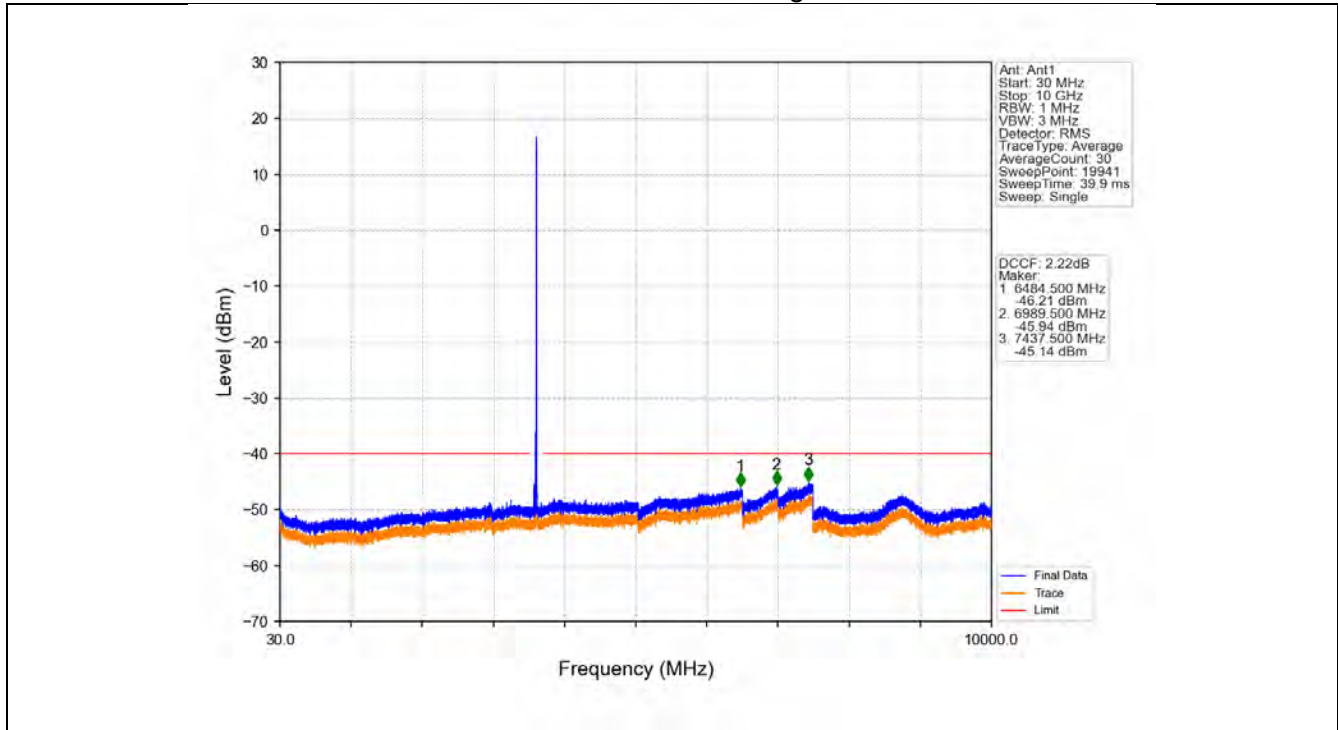
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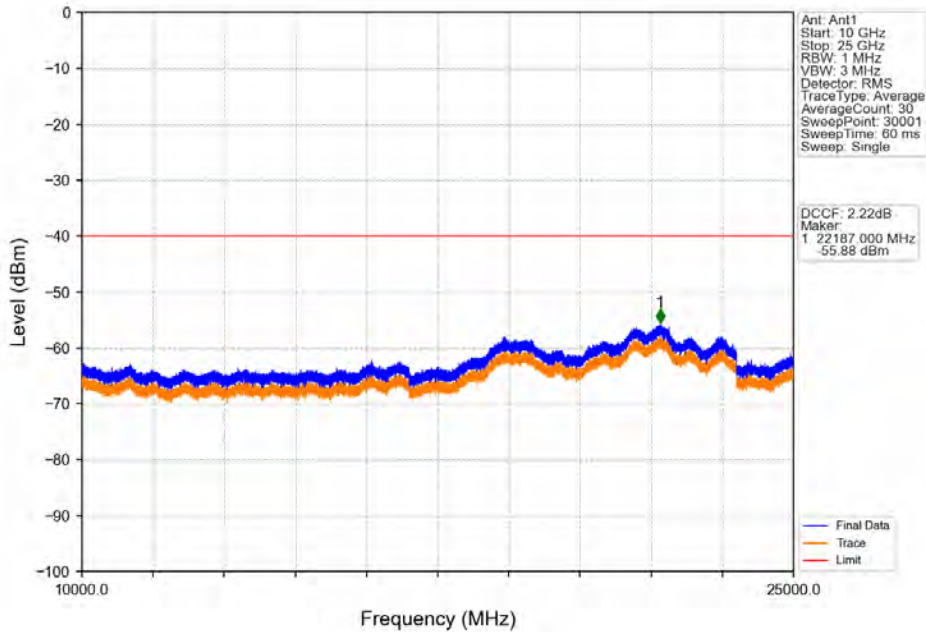
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Band48\_5MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV



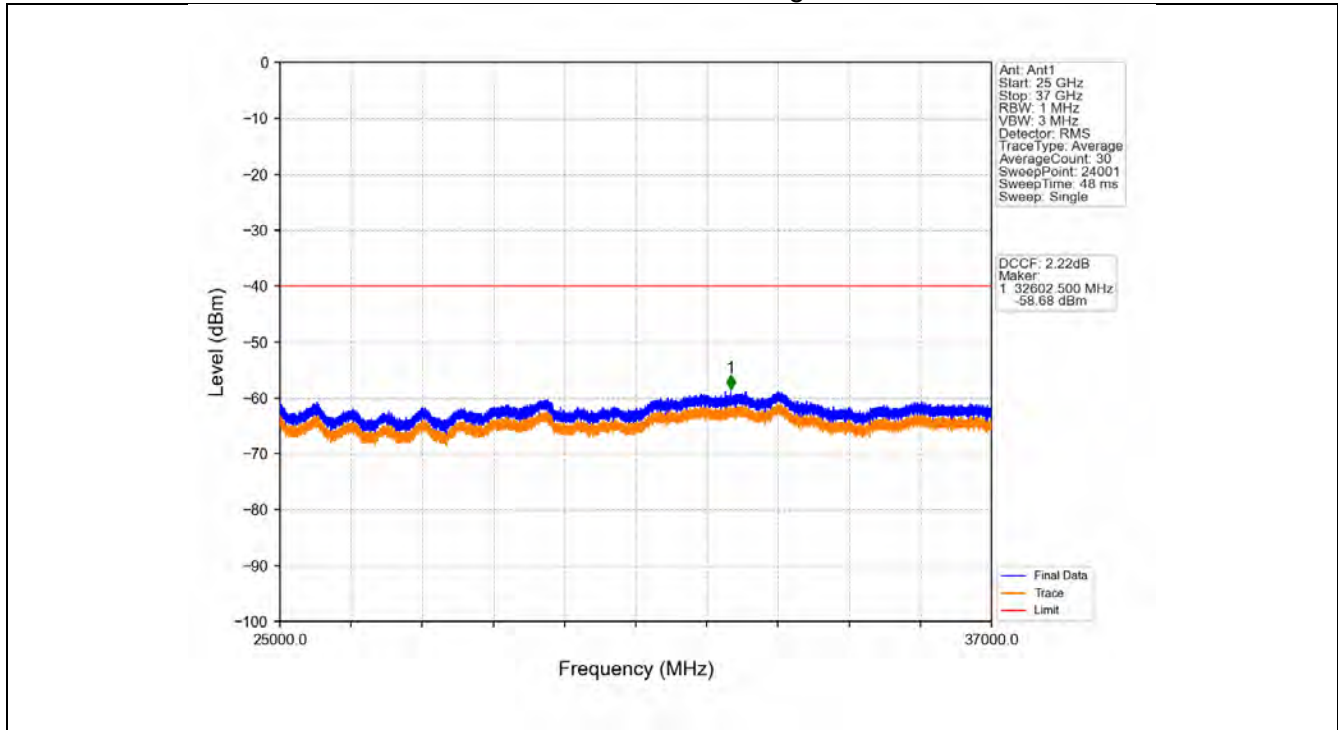
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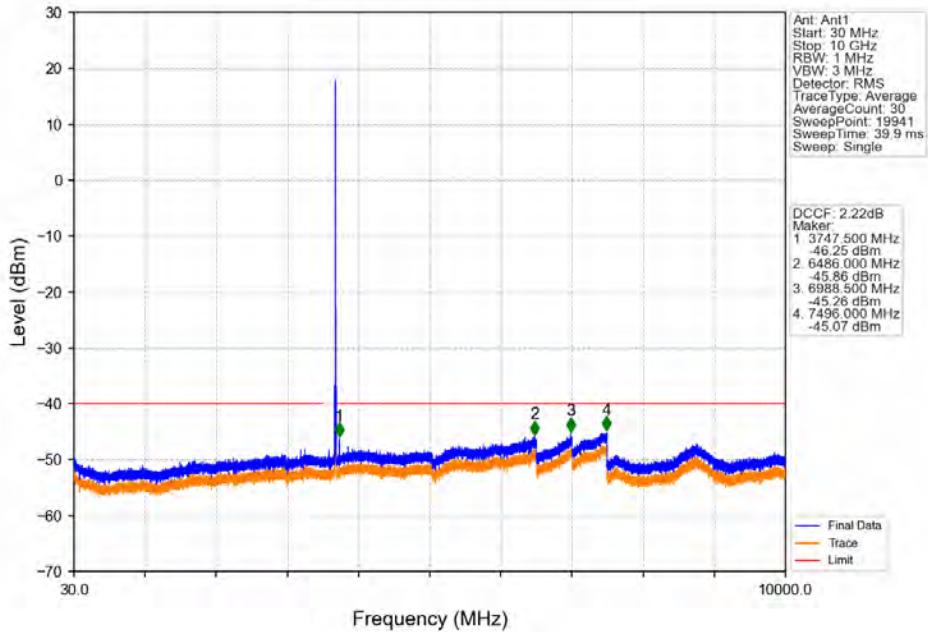
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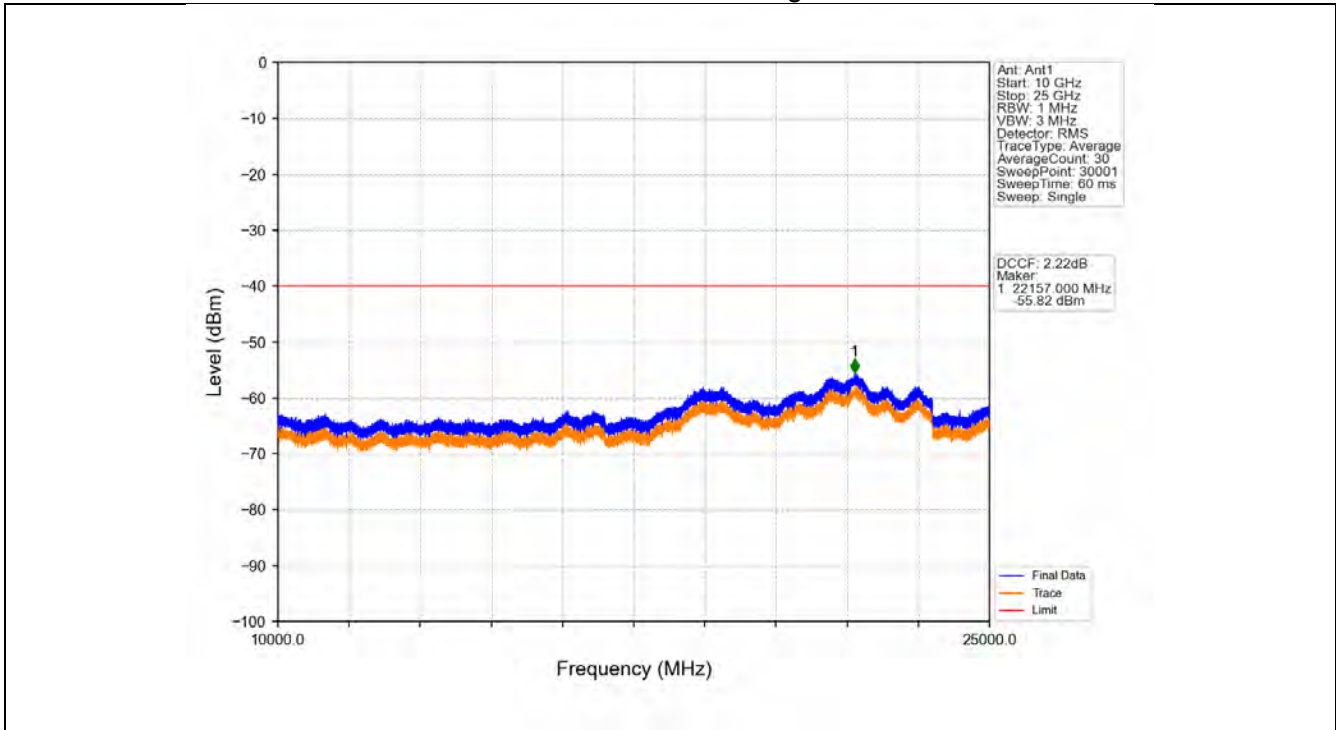
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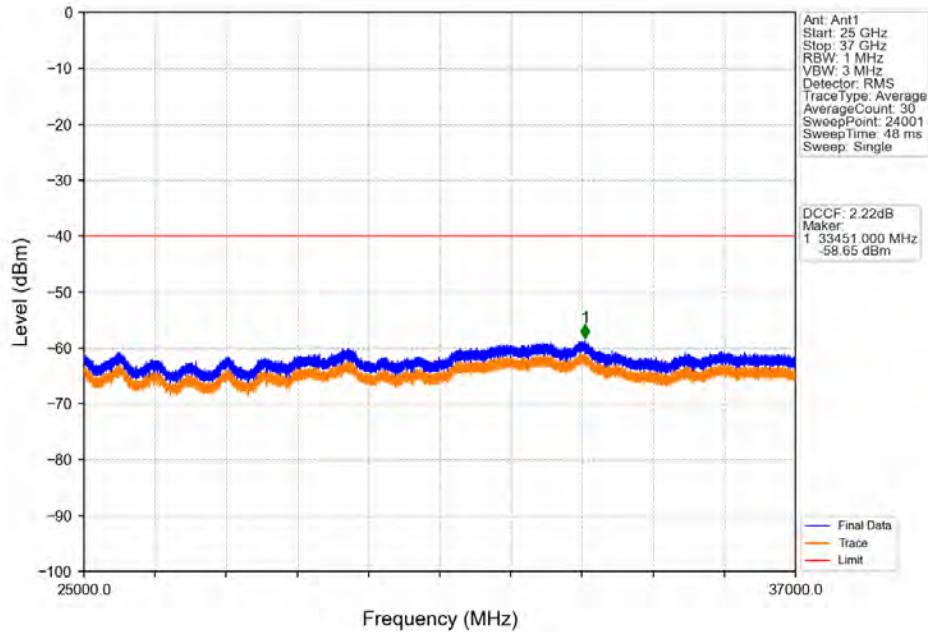
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Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_1\_0\_NTNV



Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_1\_24\_NTNV



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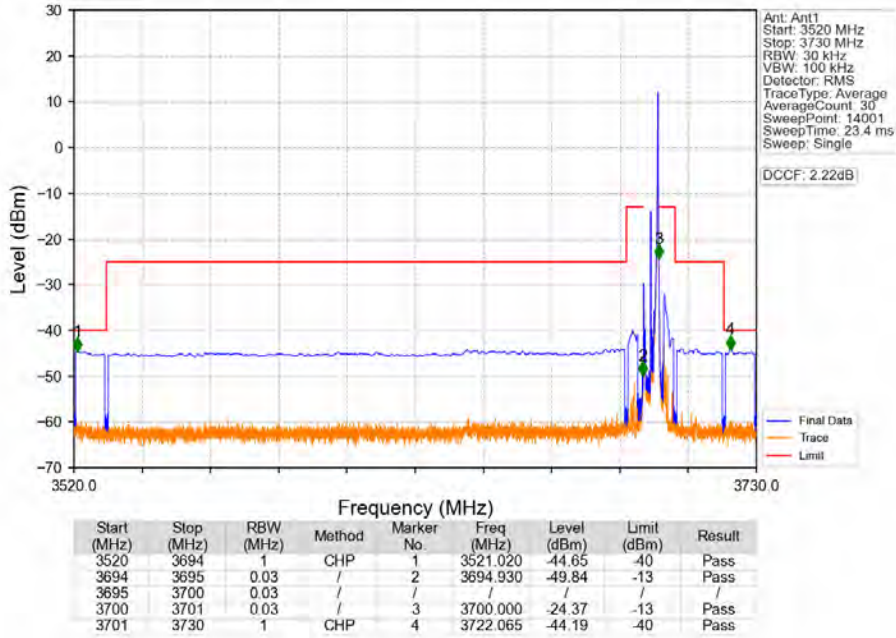
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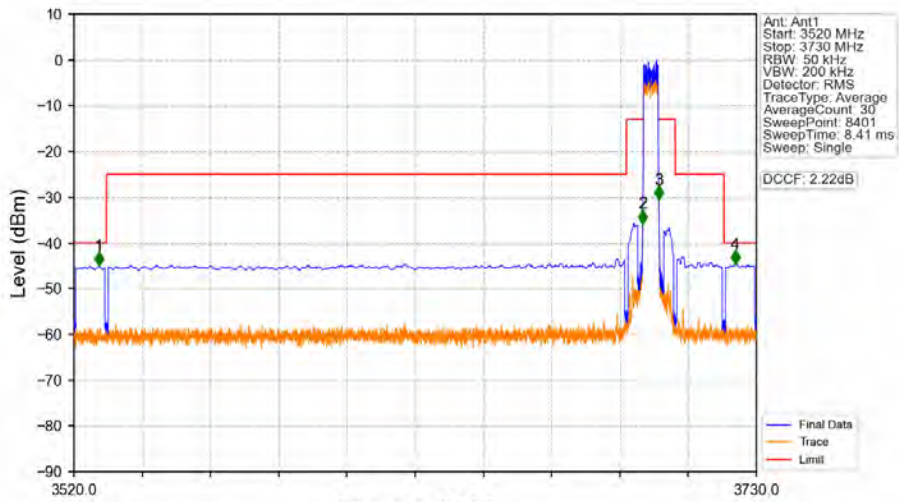


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Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_25\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3694	1	CHP	1	3527.675	-45.07	-40	Pass
3694	3695	0.05	/	2	3695.000	-35.76	-13	Pass
3695	3700	0.05	/	/	/	/	/	/
3700	3701	0.05	/	3	3700.000	-30.58	-13	Pass
3701	3730	1	CHP	4	3723.450	-44.69	-40	Pass



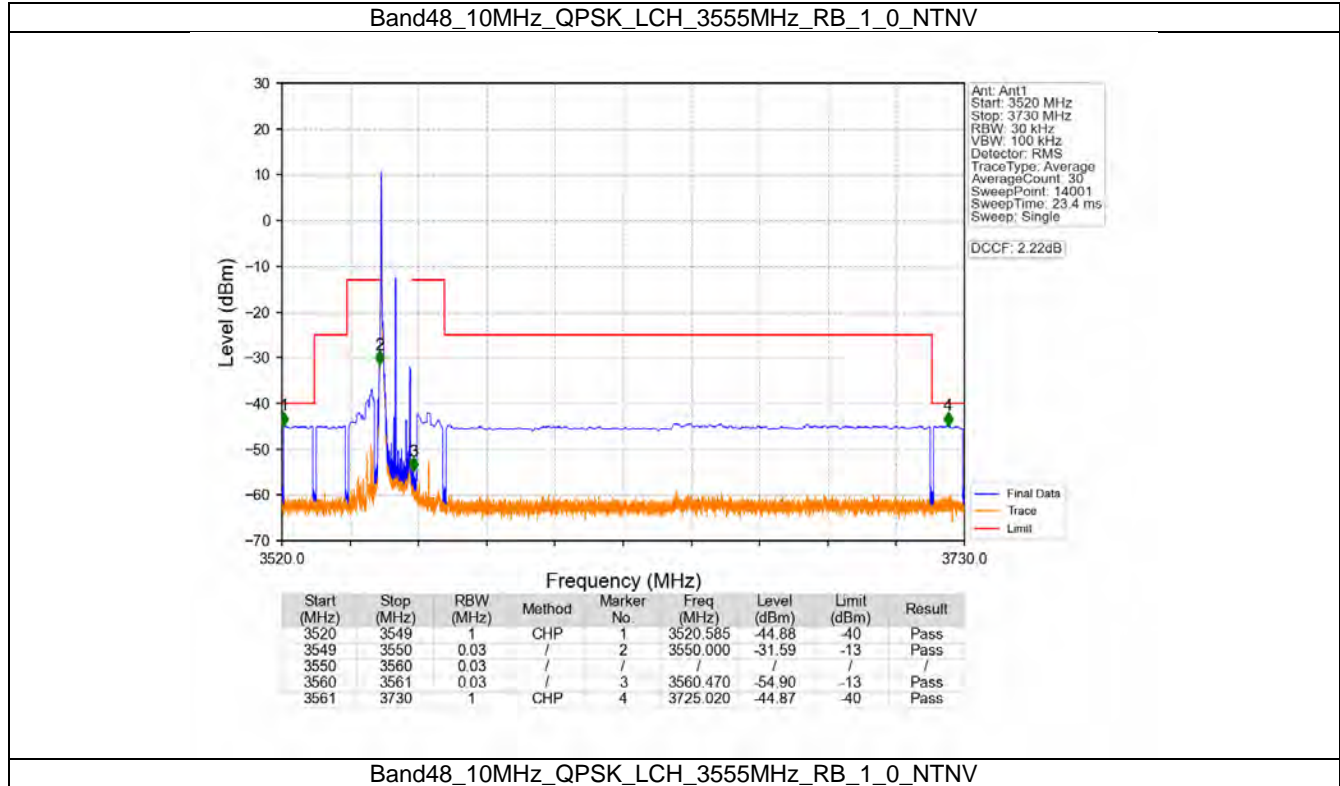
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5.2 B48\_10MHz

5.2.2 Test Graph

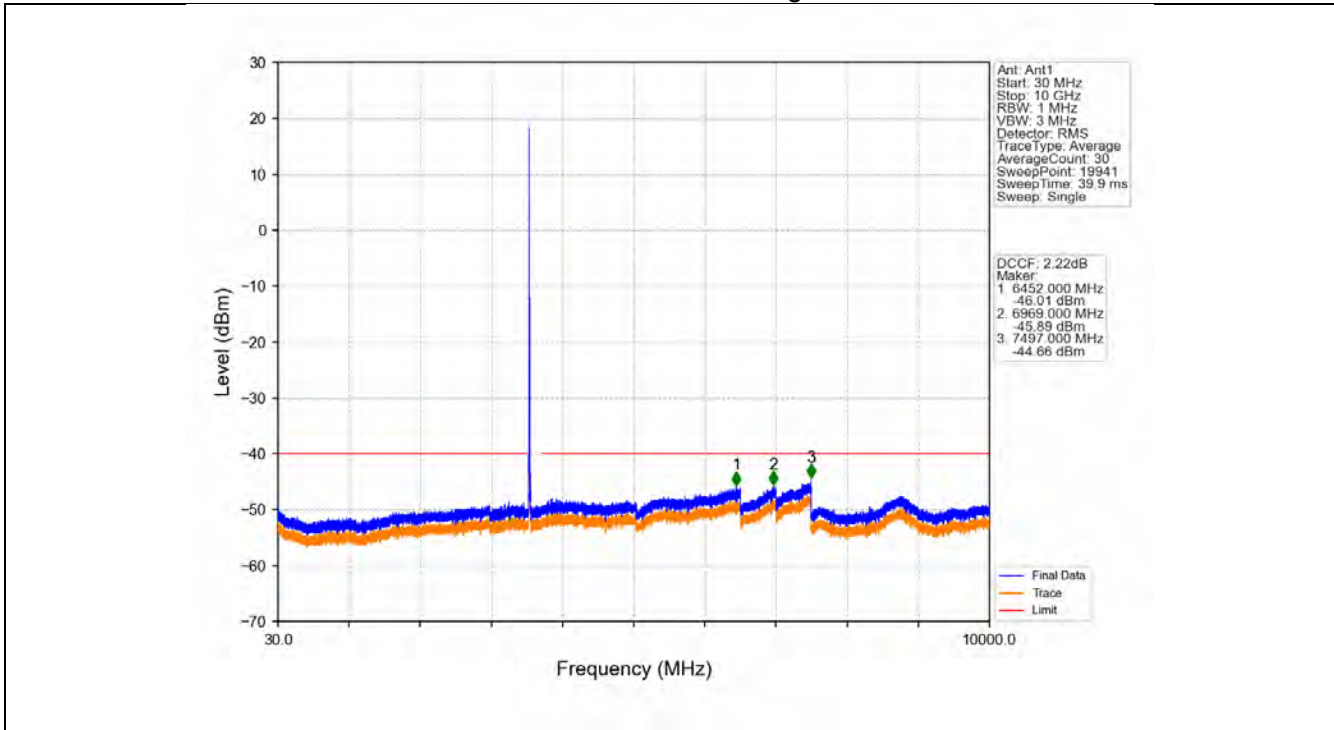


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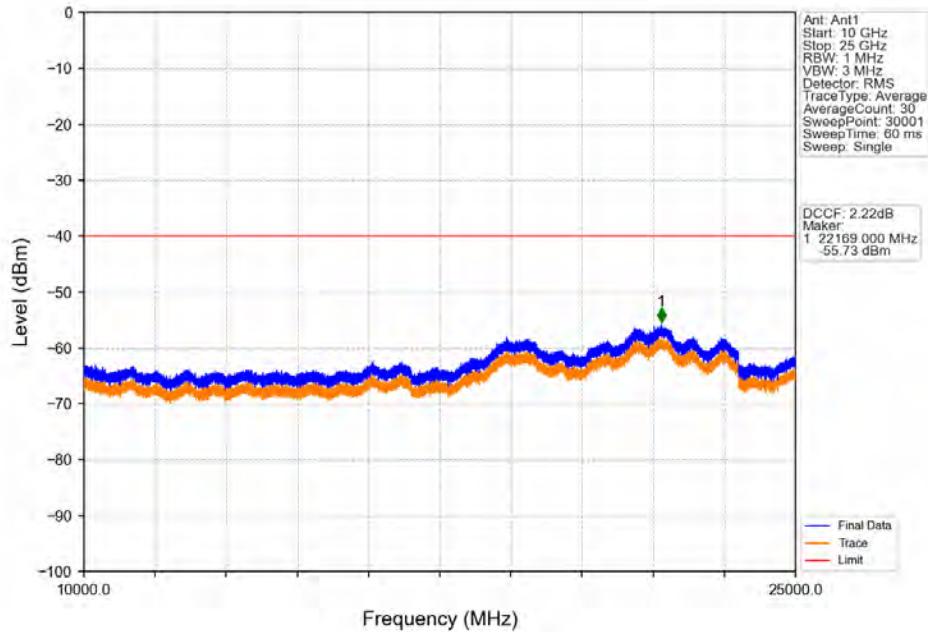


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Band48\_10MHz\_QPSK\_LCH\_3555MHz\_RB\_1\_0\_NTNV



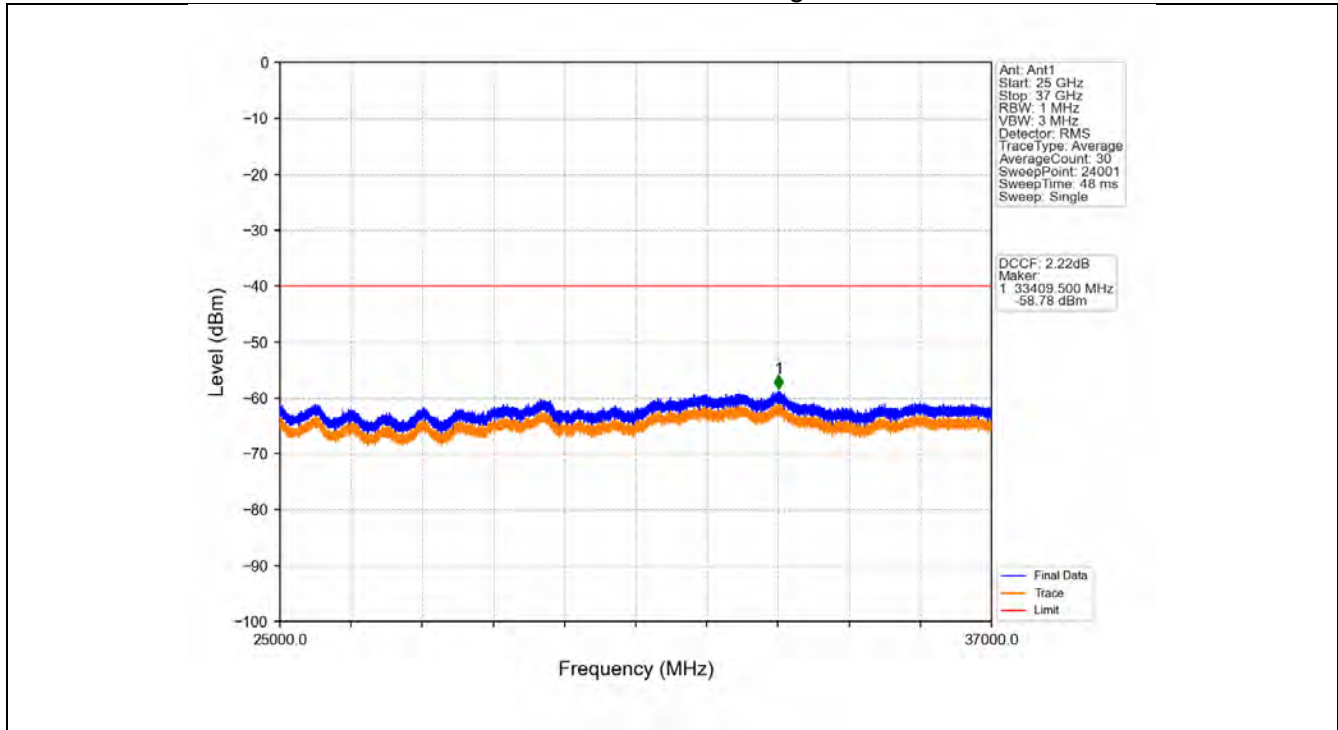
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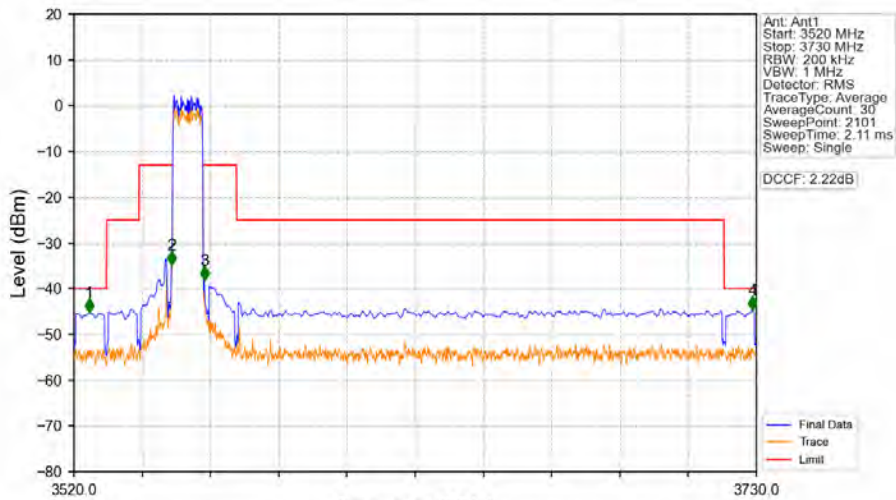


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Band48\_10MHz\_QPSK\_LCH\_3555MHz\_RB\_50\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3549	1	CHP	1	3524.700	-45.33	-40	Pass
3549	3550	0.2	/	2	3550.000	-34.86	-13	Pass
3550	3560	0.2	/	/	/	/	/	/
3560	3561	0.2	/	3	3560.100	-38.27	-13	Pass
3561	3730	1	CHP	4	3728.800	-44.76	-40	Pass

Band48\_10MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV

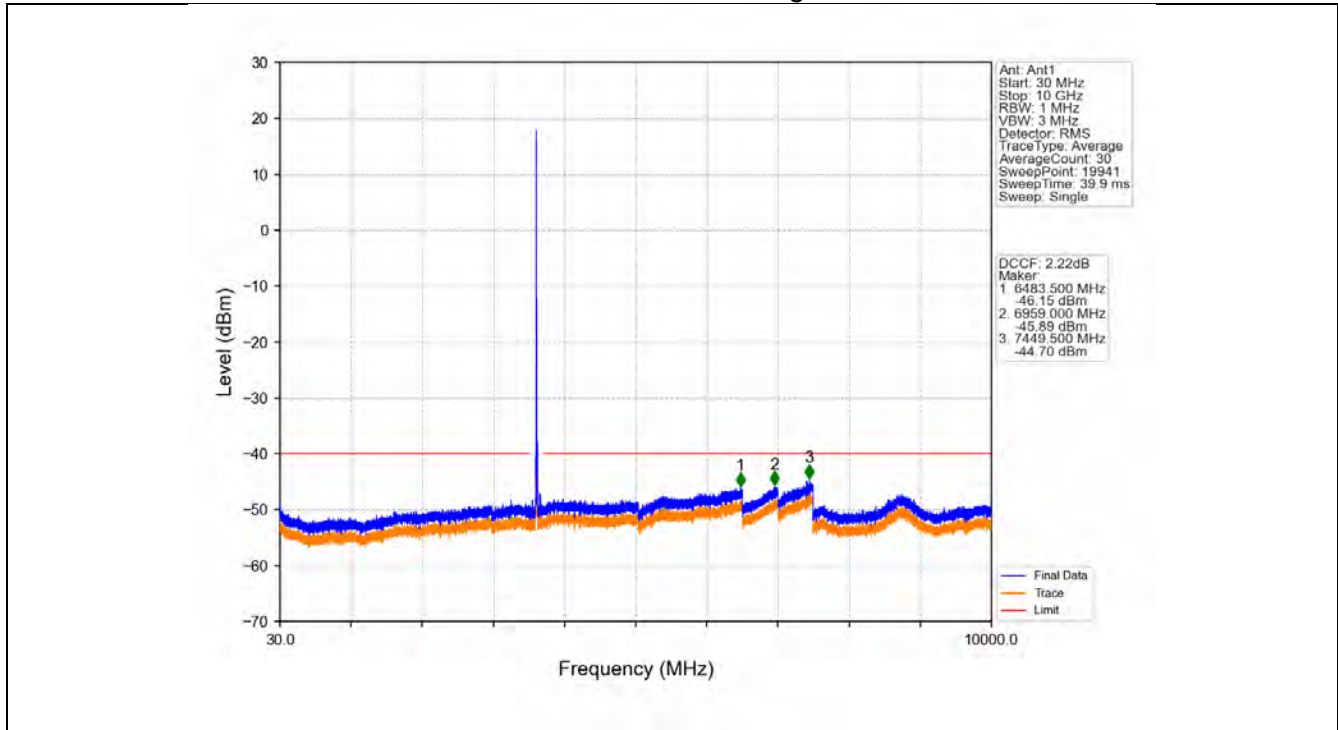


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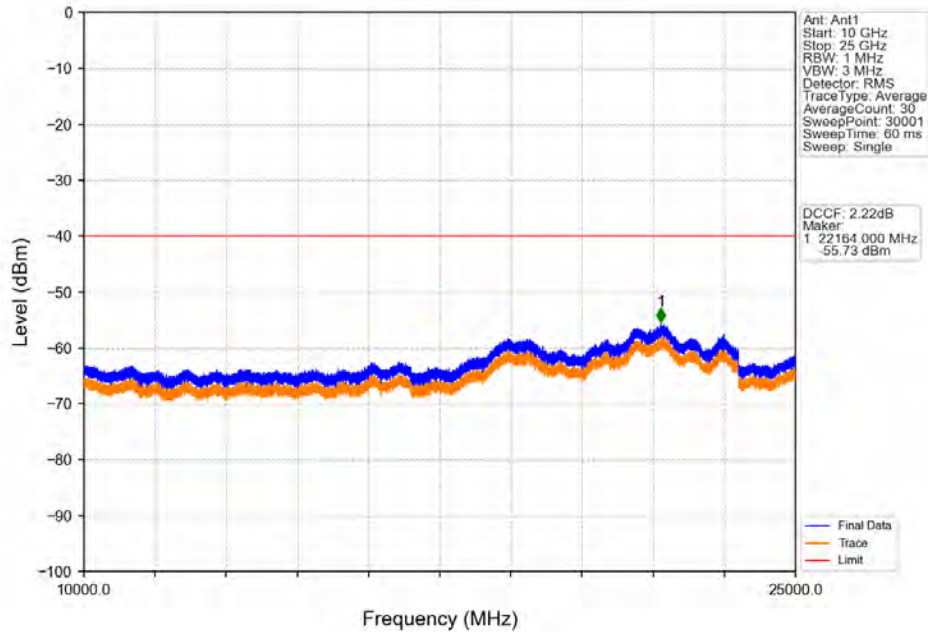


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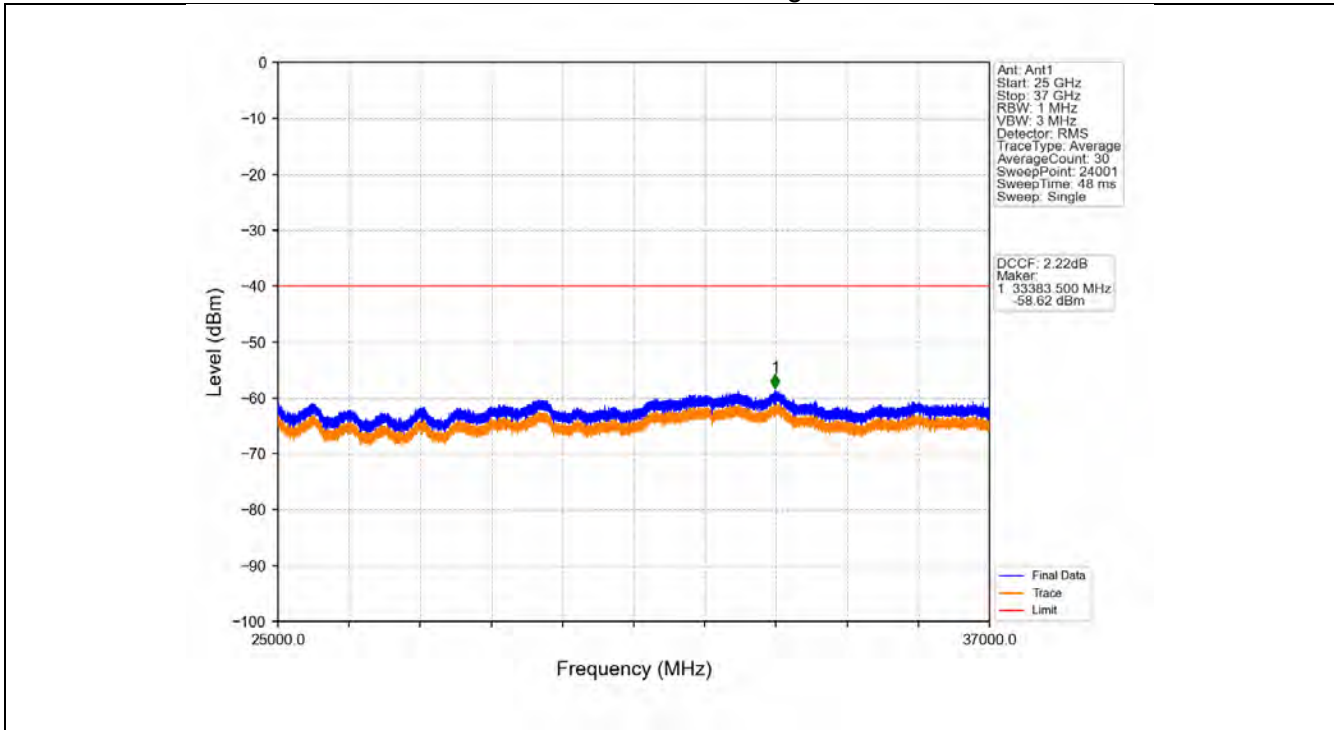
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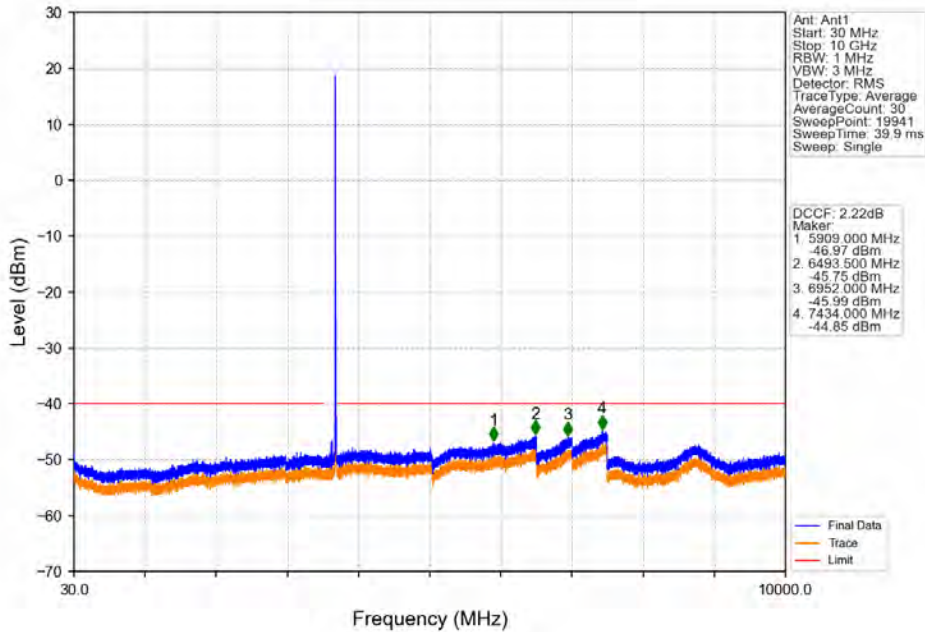
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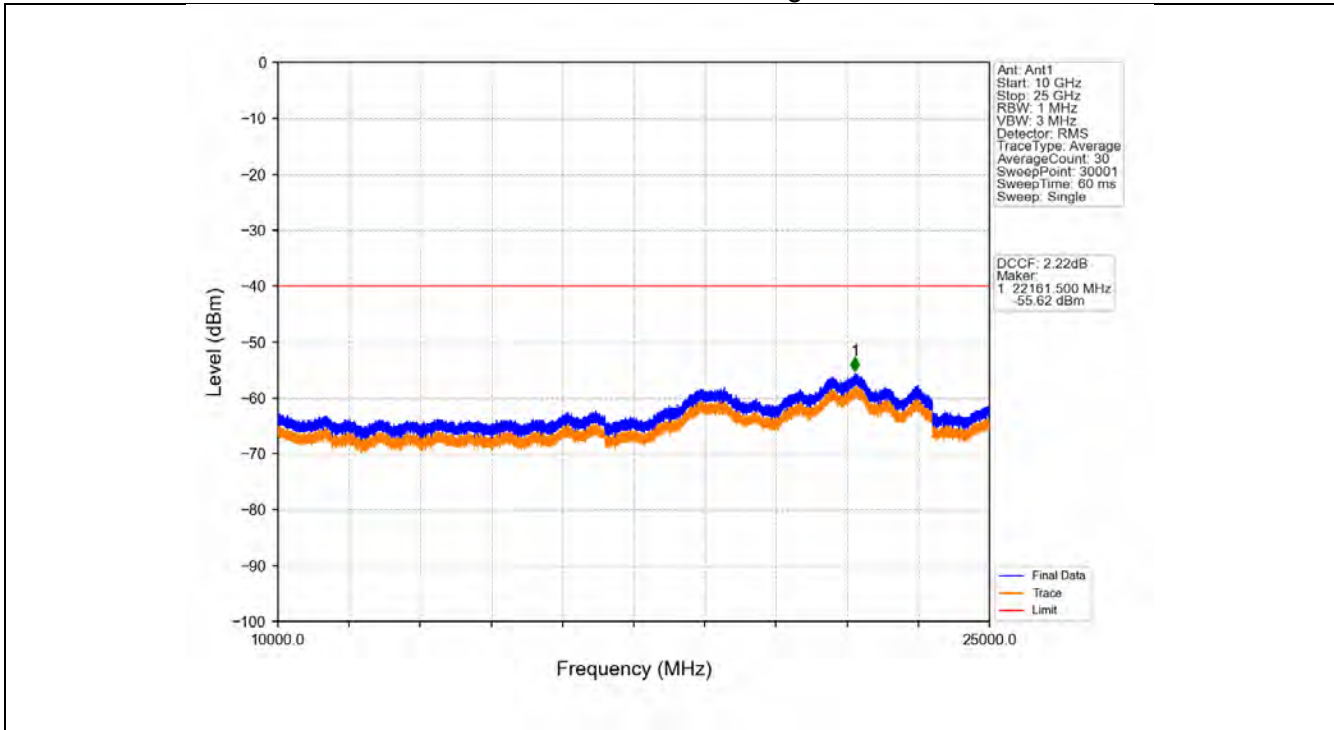


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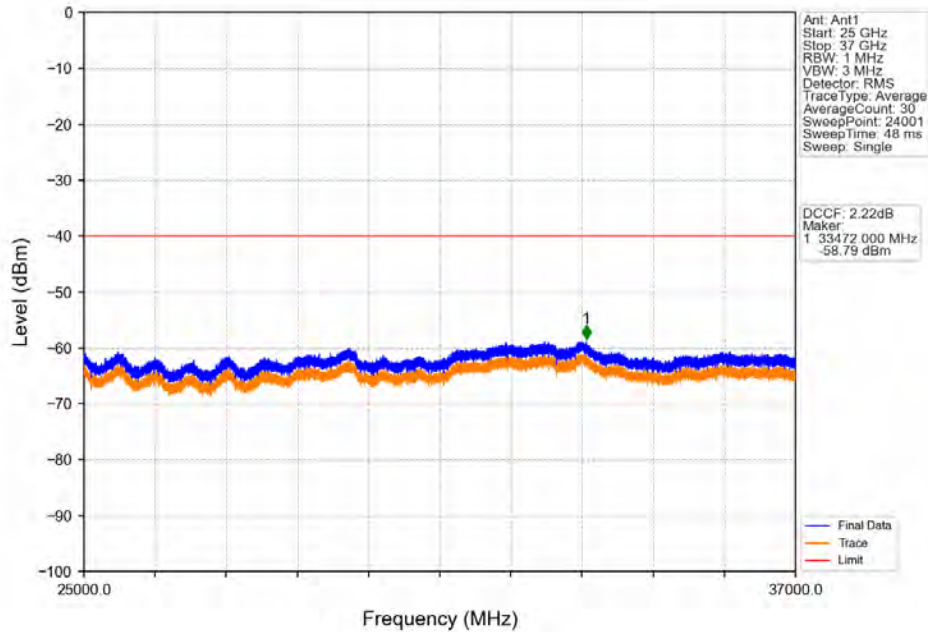


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Band48\_10MHz\_QPSK\_HCH\_3695MHz\_RB\_1\_0\_NTNV



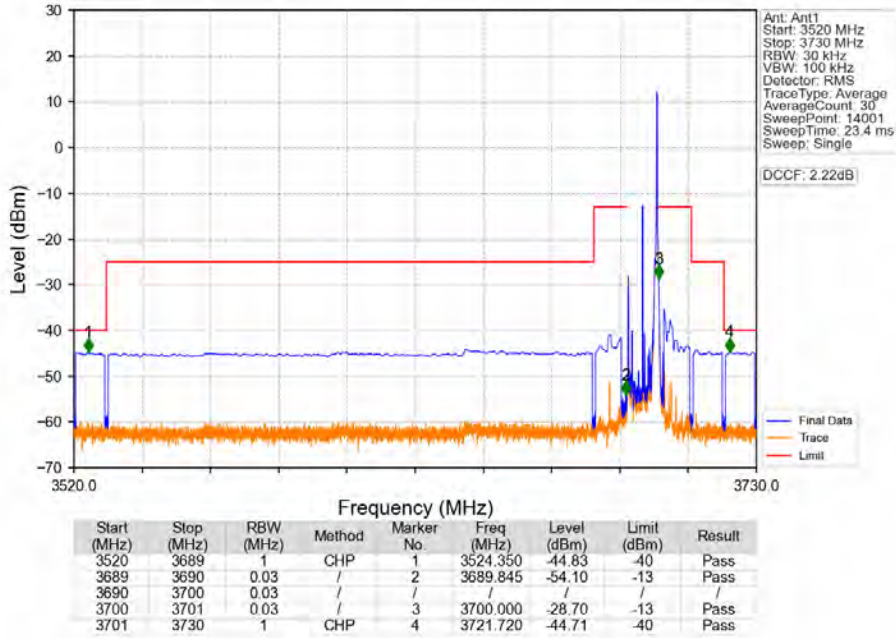
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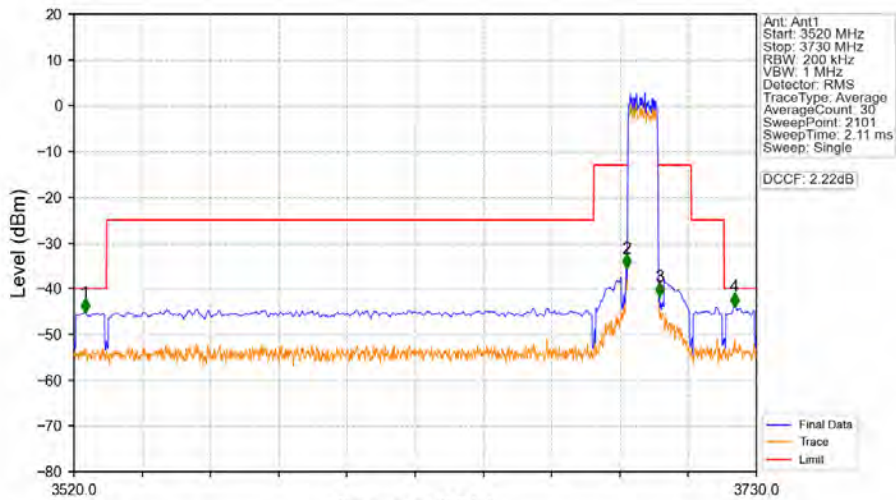


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Band48\_10MHz\_QPSK\_HCH\_3695MHz\_RB\_50\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3689	1	CHP	1	3523.400	-45.27	-40	Pass
3689	3690	0.2	/	2	3690.000	-35.59	-13	Pass
3690	3700	0.2	/	/	/	/	/	/
3700	3701	0.2	/	3	3700.100	-41.73	-13	Pass
3701	3730	1	CHP	4	3723.200	-43.95	-40	Pass



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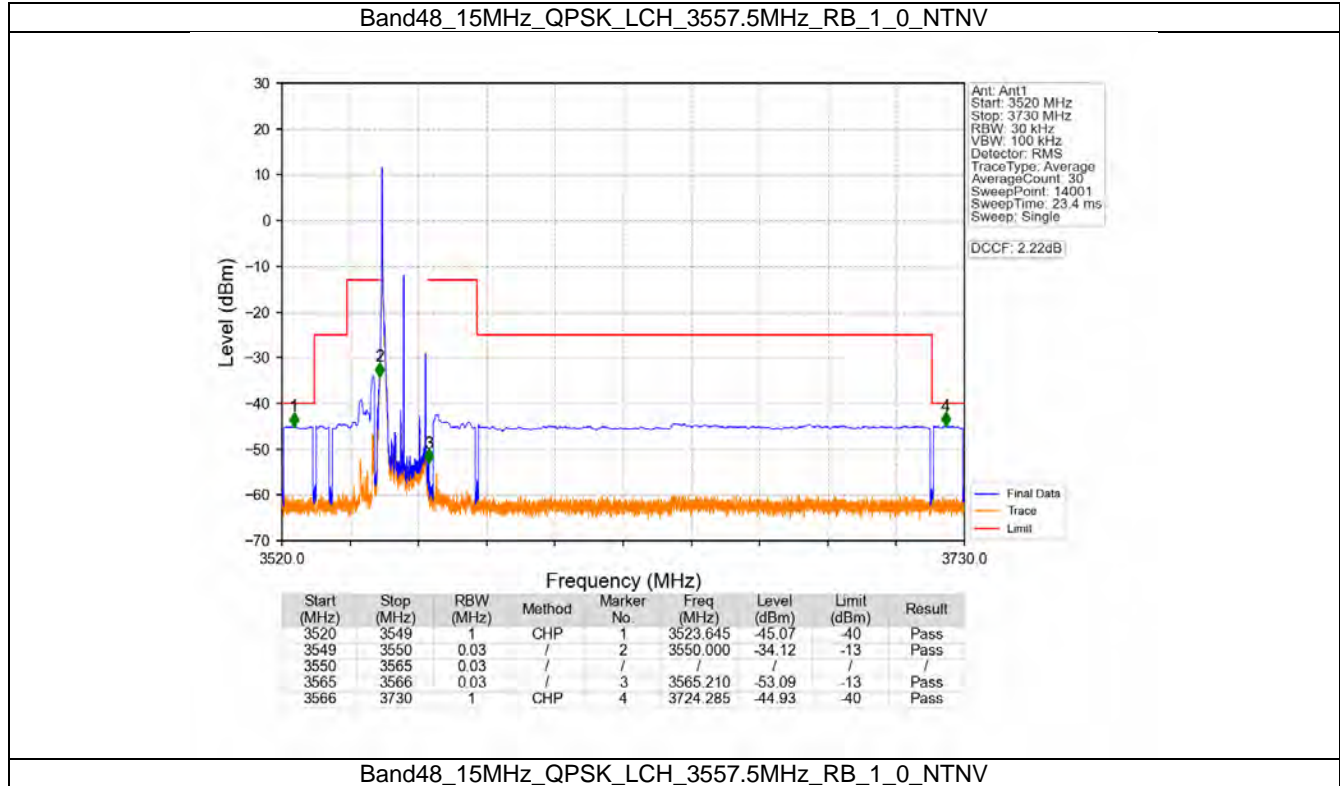
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5.3 B48\_15MHz

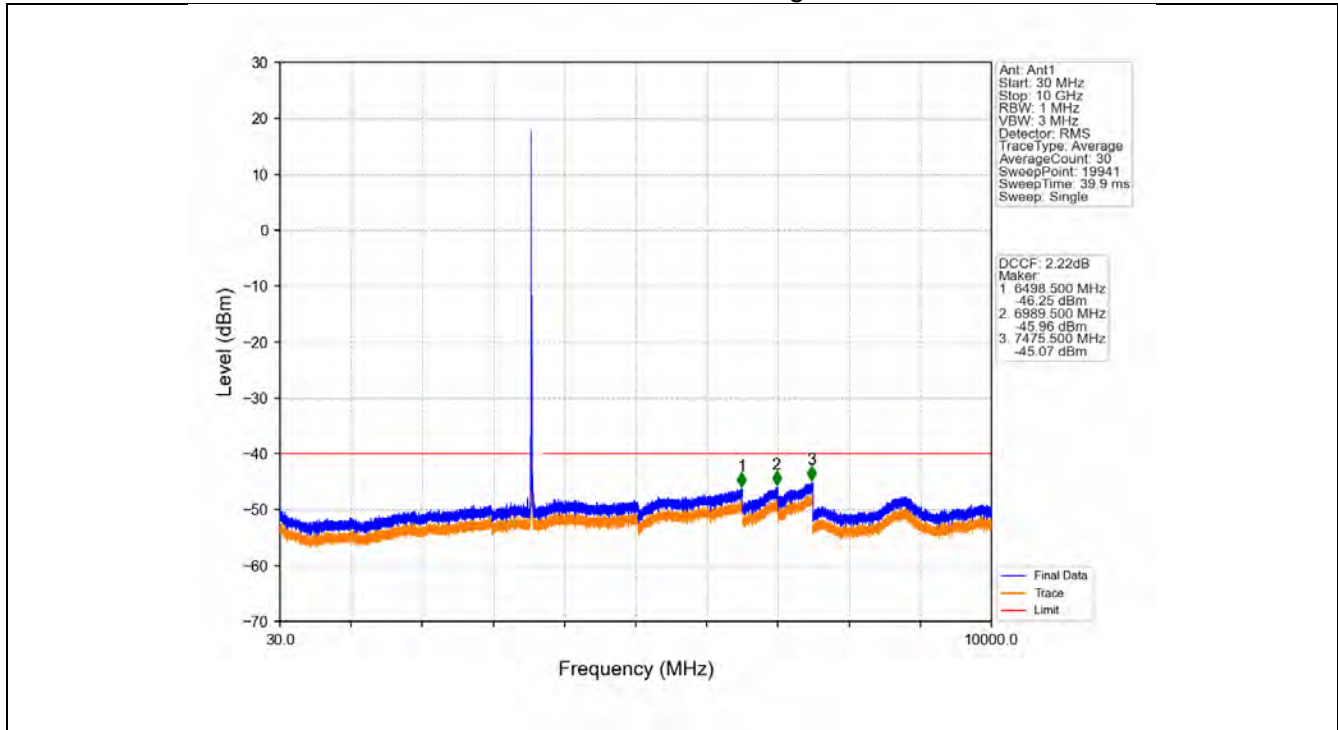
5.3.2 Test Graph



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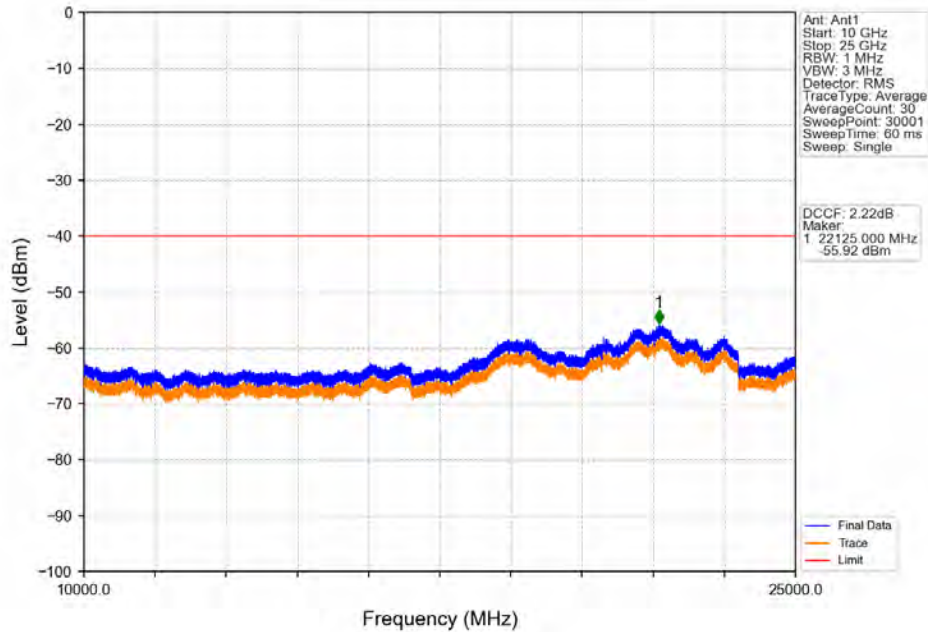


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Band48\_15MHz\_QPSK\_LCH\_3557.5MHz\_RB\_1\_0\_NTNV



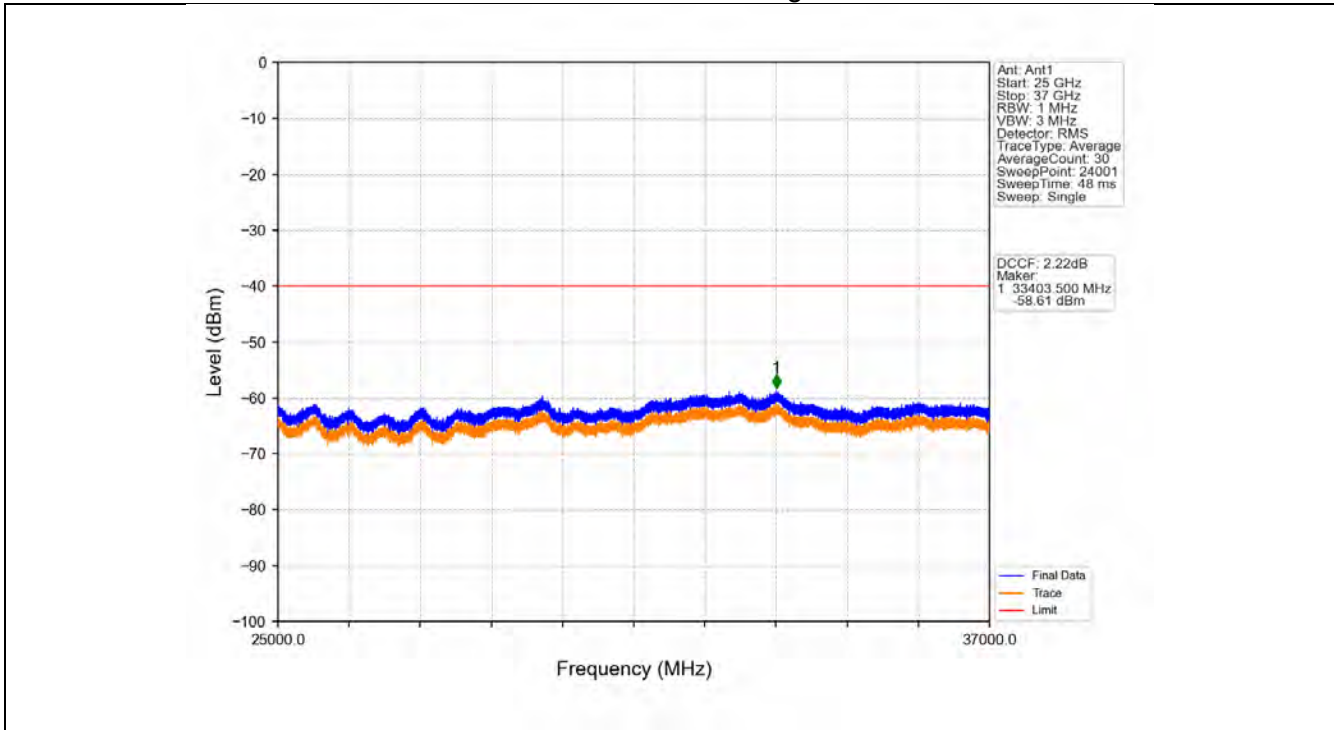
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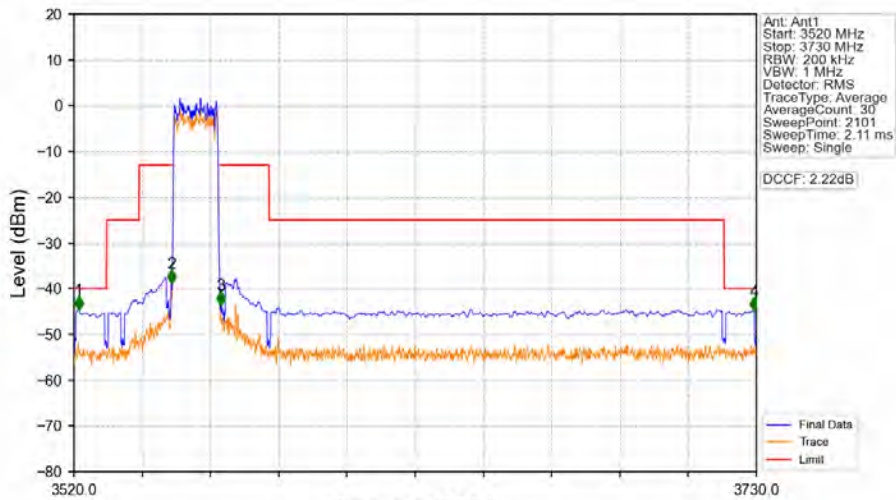
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Band48\_15MHz\_QPSK\_LCH\_3557.5MHz\_RB\_75\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3549	1	CHP	1	3521.500	-44.67	-40	Pass
3549	3550	0.2	/	2	3550.000	-38.87	-13	Pass
3550	3565	0.2	/	/	/	/	/	/
3565	3566	0.2	/	3	3565.100	-43.68	-13	Pass
3566	3730	1	CHP	4	3729.300	-44.86	-40	Pass

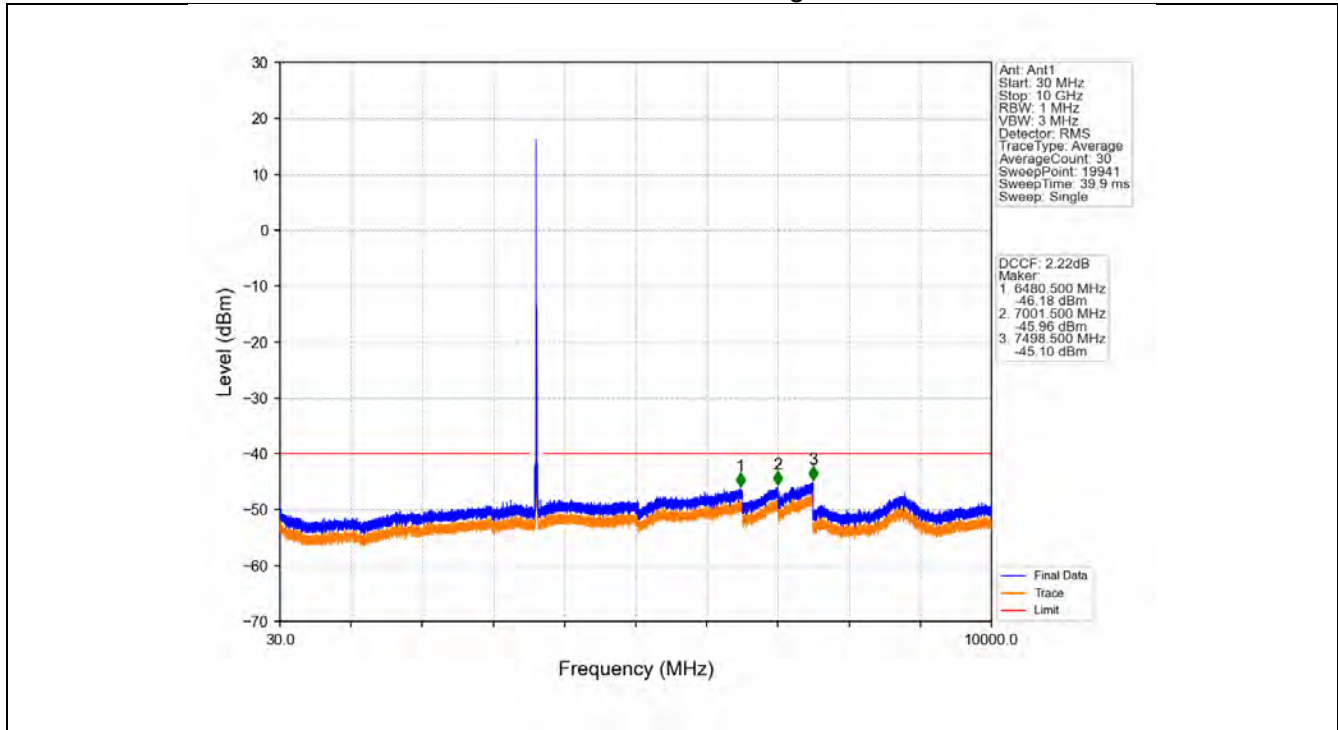
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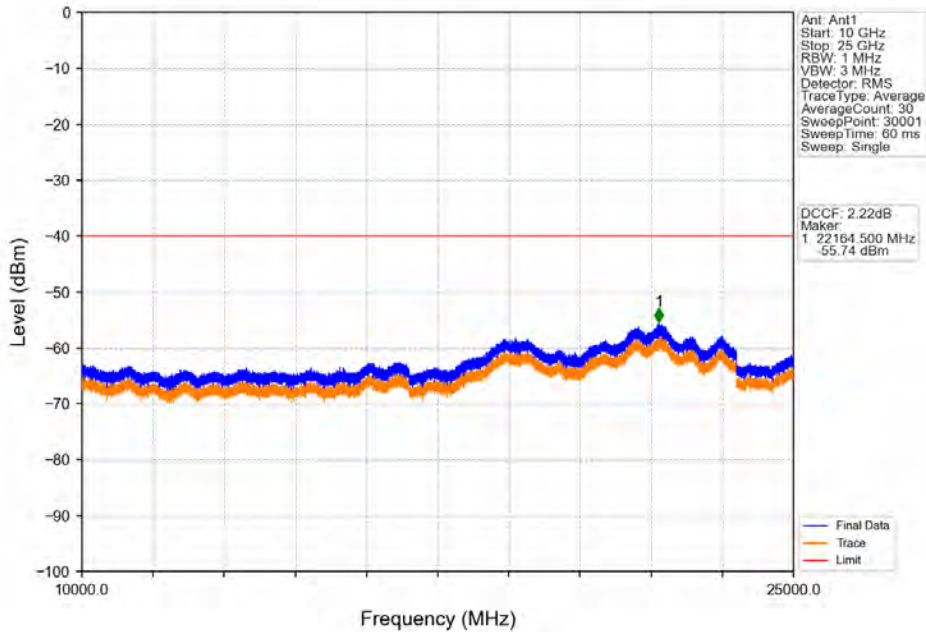


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Band48\_15MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV



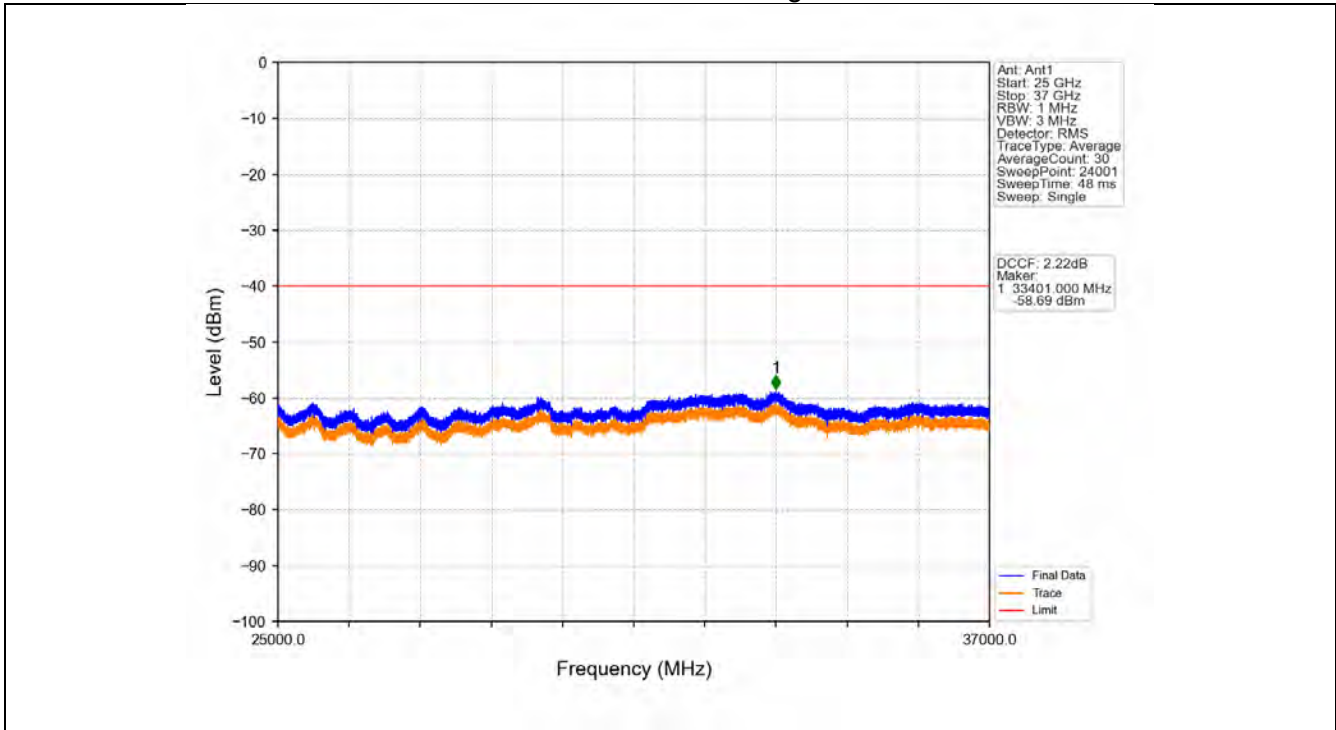
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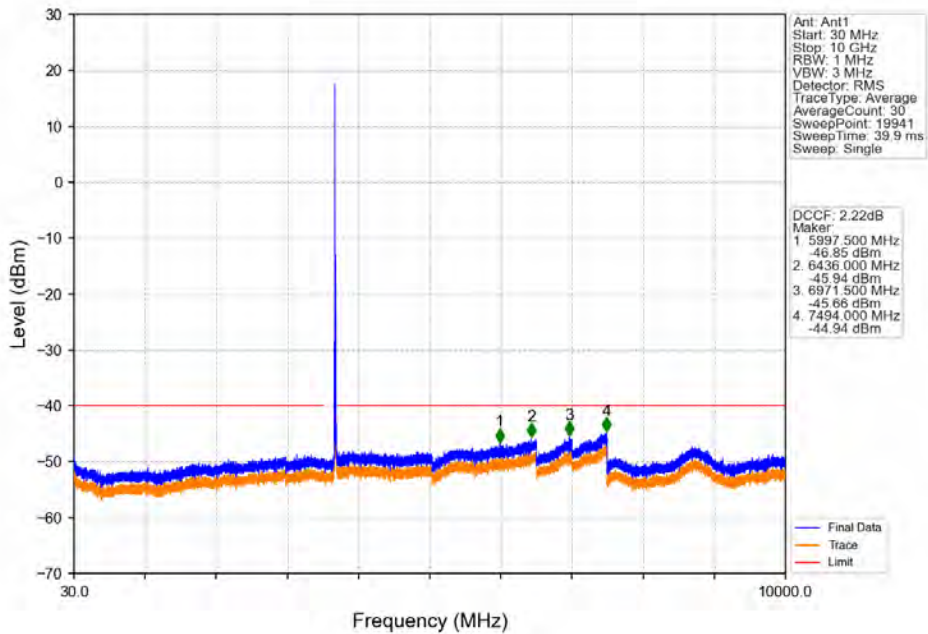
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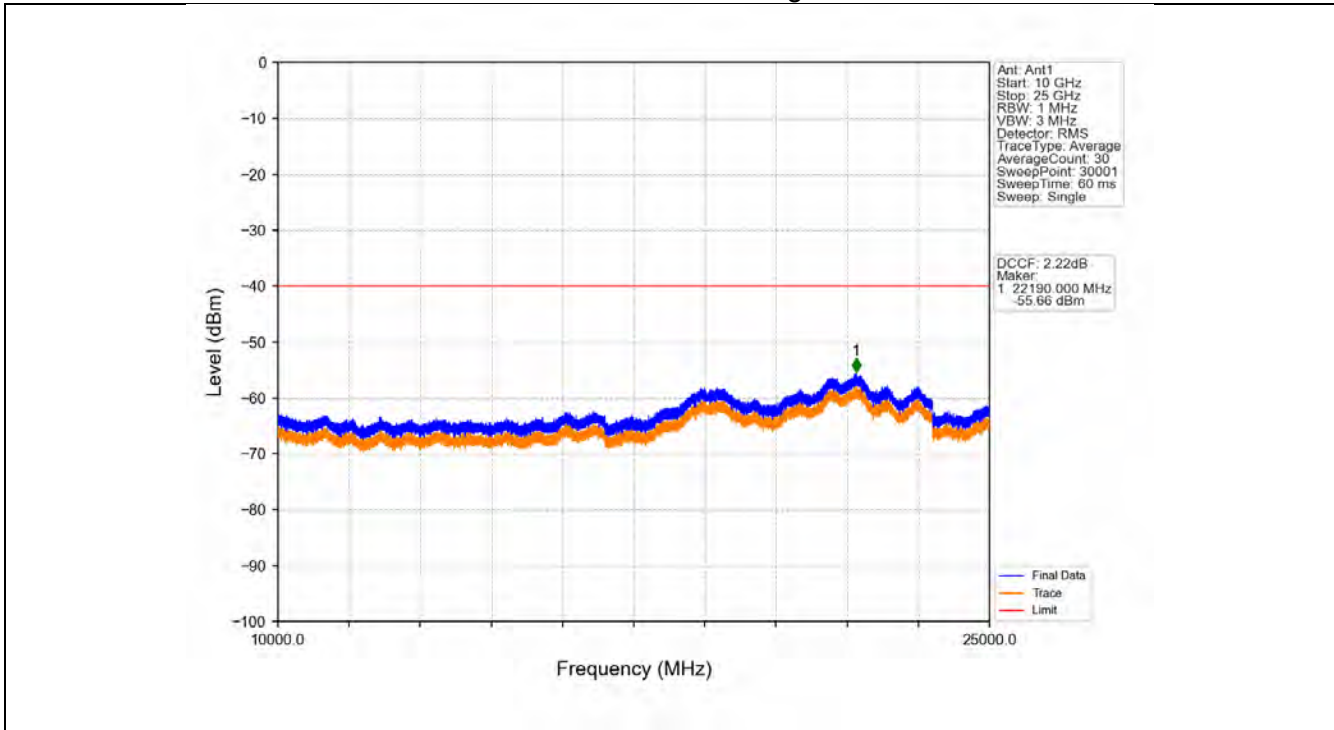
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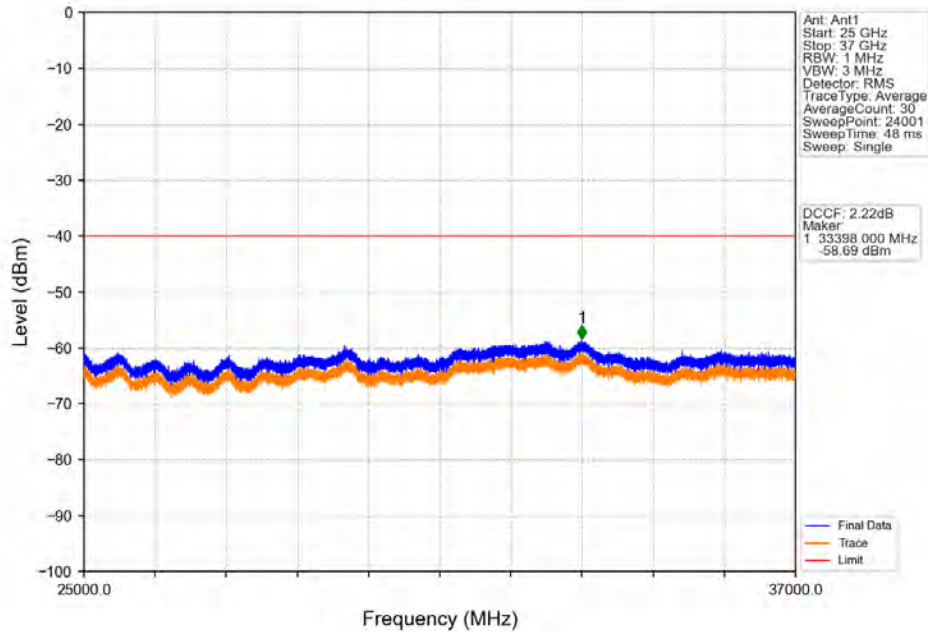
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Band48\_15MHz\_QPSK\_HCH\_3692.5MHz\_RB\_1\_0\_NTNV



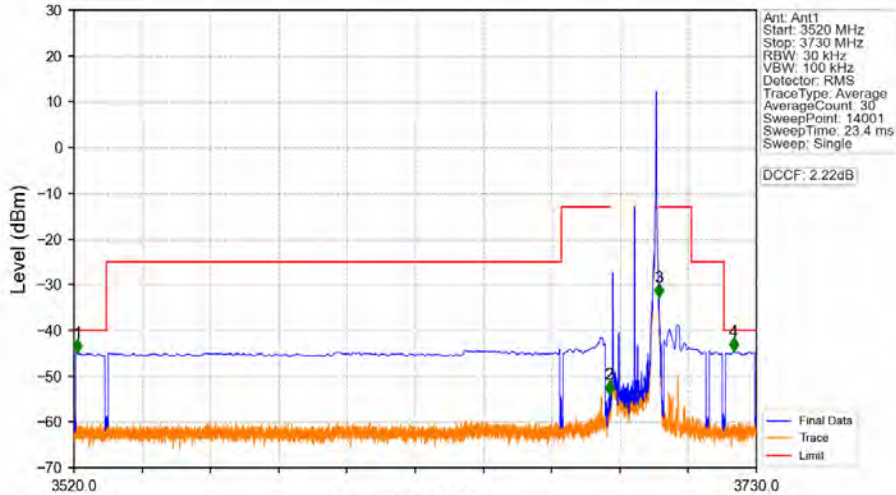
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3684	1	CHP	1	3521.095	-44.99	-40	Pass
3684	3685	0.03	/	2	3684.700	-54.04	-13	Pass
3685	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	3	3700.015	-32.83	-13	Pass
3701	3730	1	CHP	4	3722.980	-44.60	-40	Pass

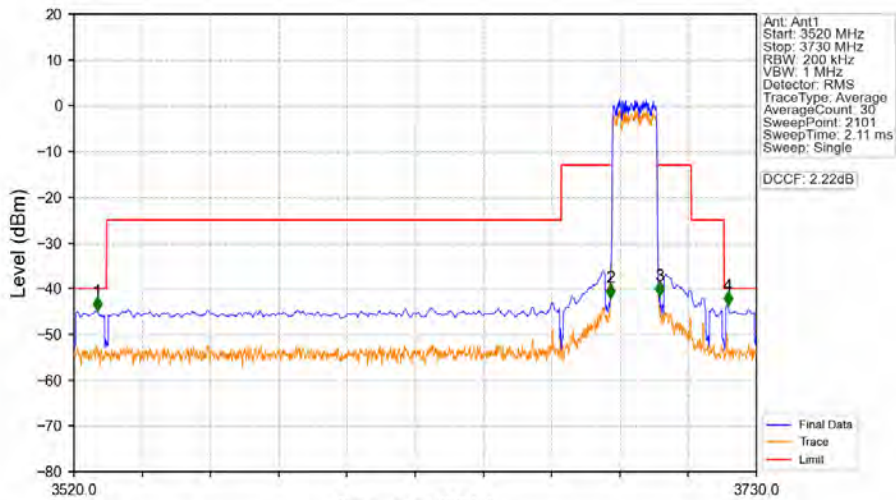


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Band48\_15MHz\_QPSK\_HCH\_3692.5MHz\_RB\_75\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3684	1	CHP	1	3527.100	-44.92	-40	Pass
3684	3685	0.2	/	2	3685.000	-42.01	-13	Pass
3685	3700	0.2	/	/	/	/	/	/
3700	3701	0.2	/	3	3700.200	-41.53	-13	Pass
3701	3730	1	CHP	4	3721.200	-43.66	-40	Pass



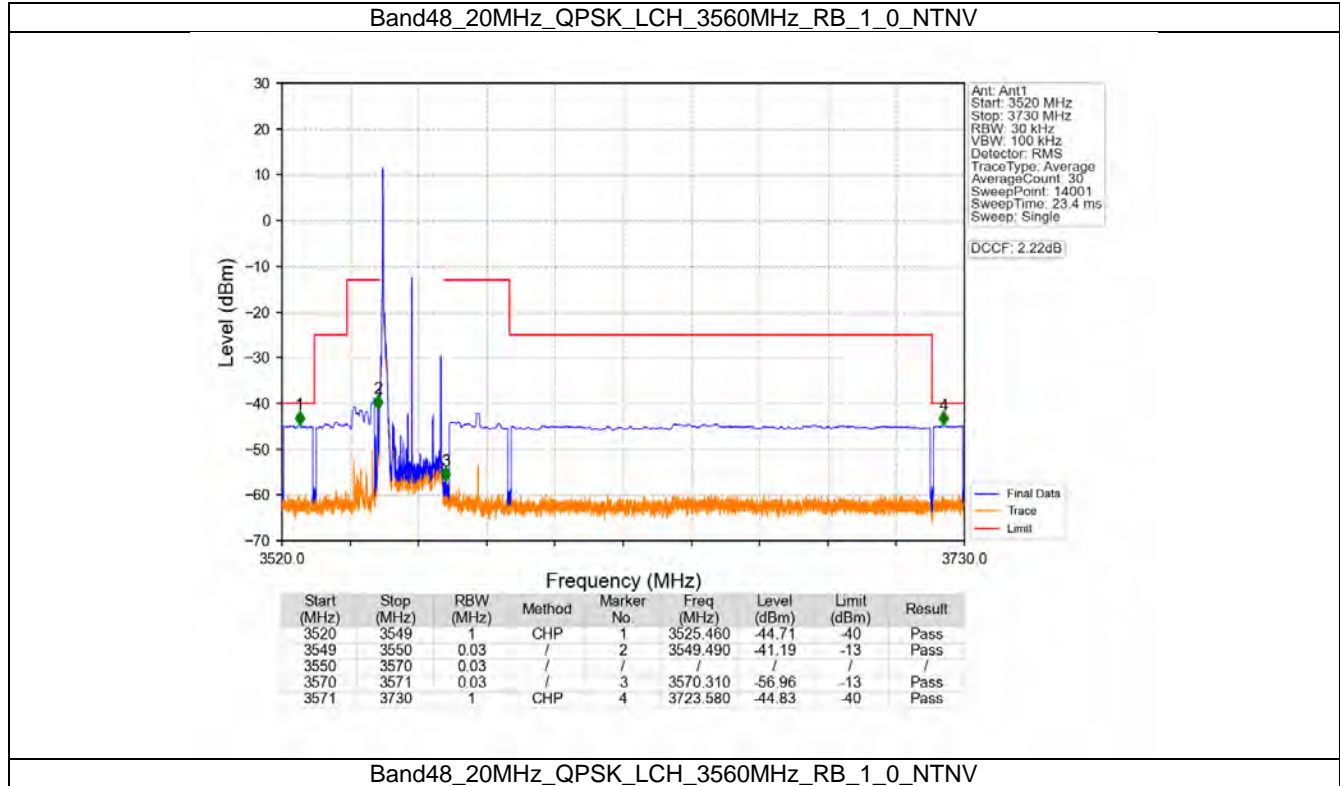
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5.4 B48\_20MHz

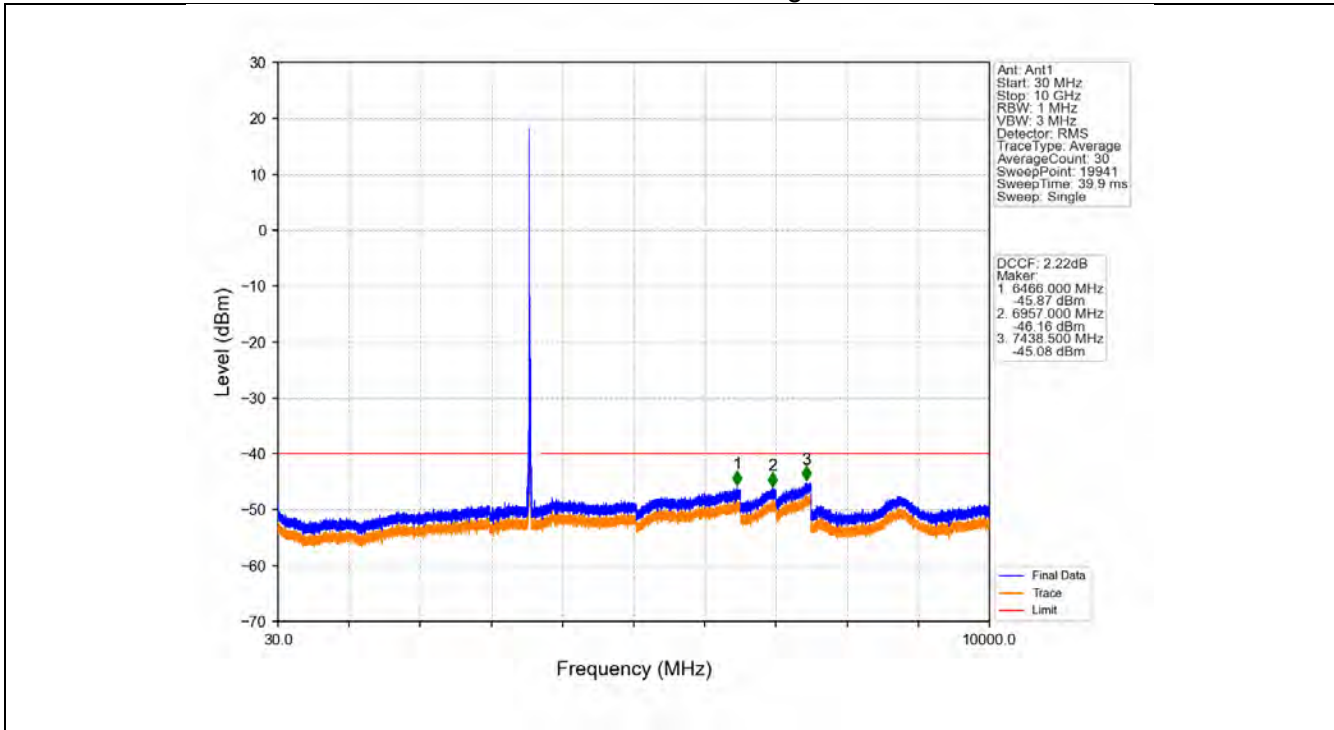
5.4.2 Test Graph



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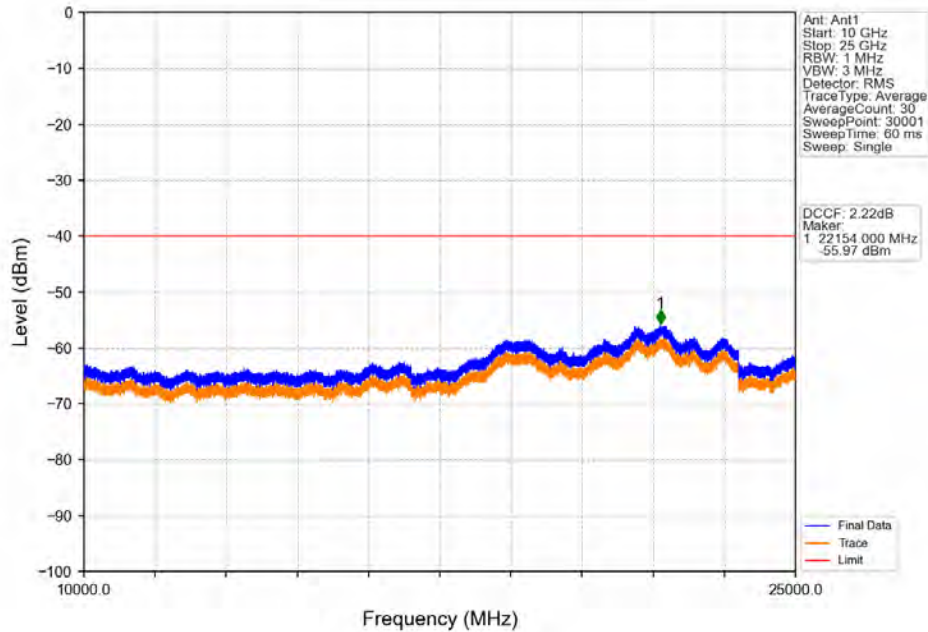


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Band48\_20MHz\_QPSK\_LCH\_3560MHz\_RB\_1\_0\_NTNV



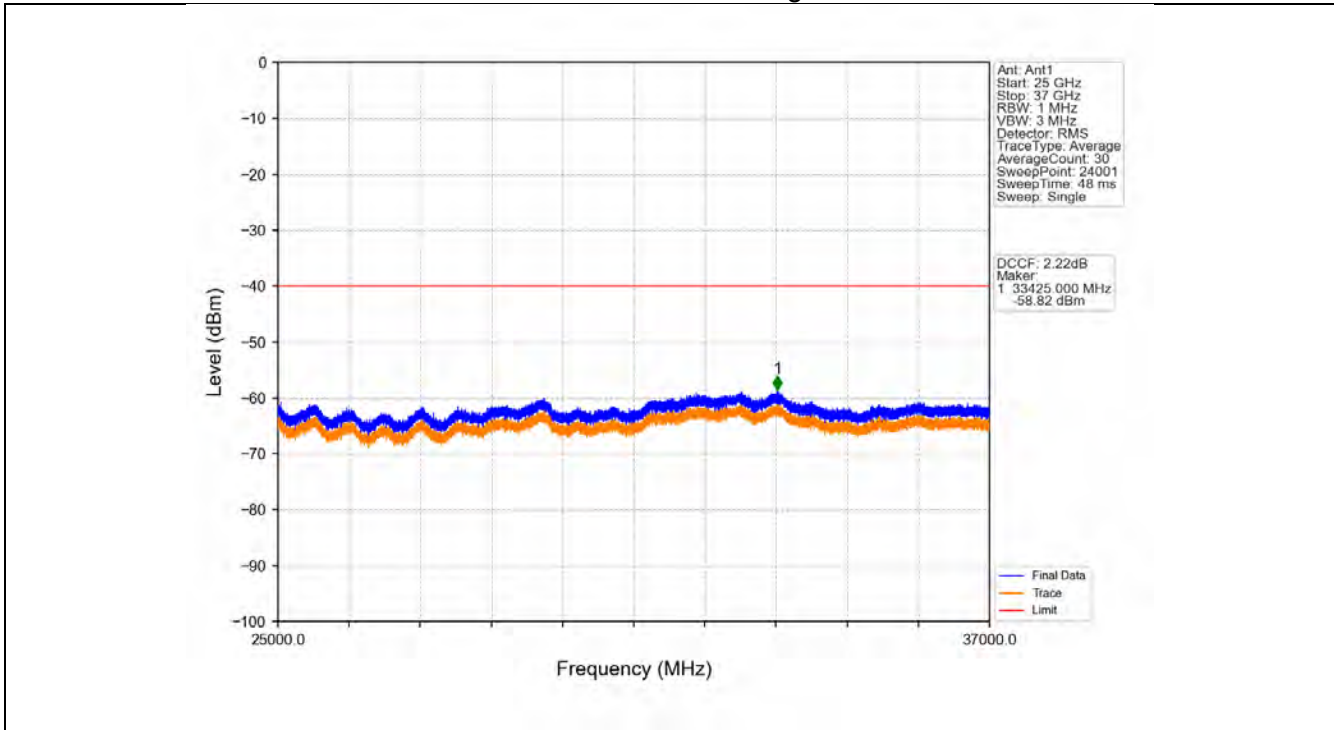
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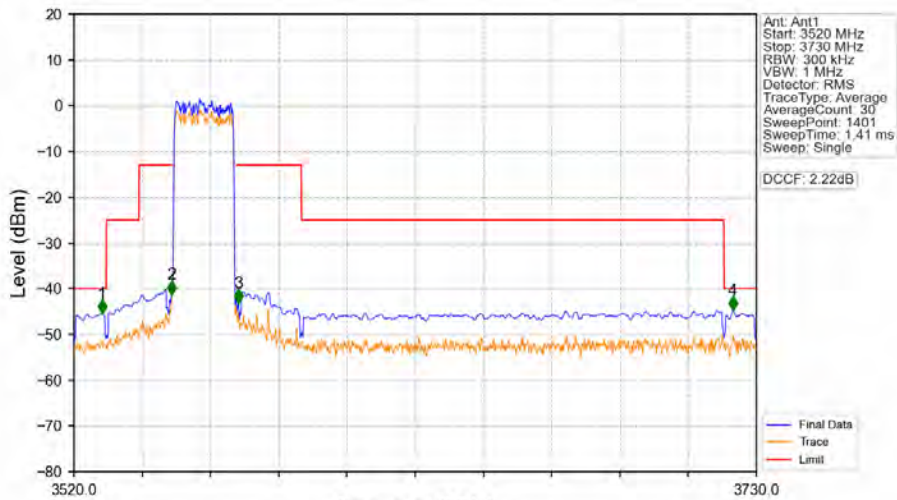


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Band48\_20MHz\_QPSK\_LCH\_3560MHz\_RB\_100\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3549	1	CHP	1	3528.700	-45.43	-40	Pass
3549	3550	0.3	/	2	3550.000	-41.29	-13	Pass
3550	3570	0.3	/	/	/	/	/	/
3570	3571	0.3	/	3	3570.550	-43.09	-13	Pass
3571	3730	1	CHP	4	3722.800	-44.80	-40	Pass

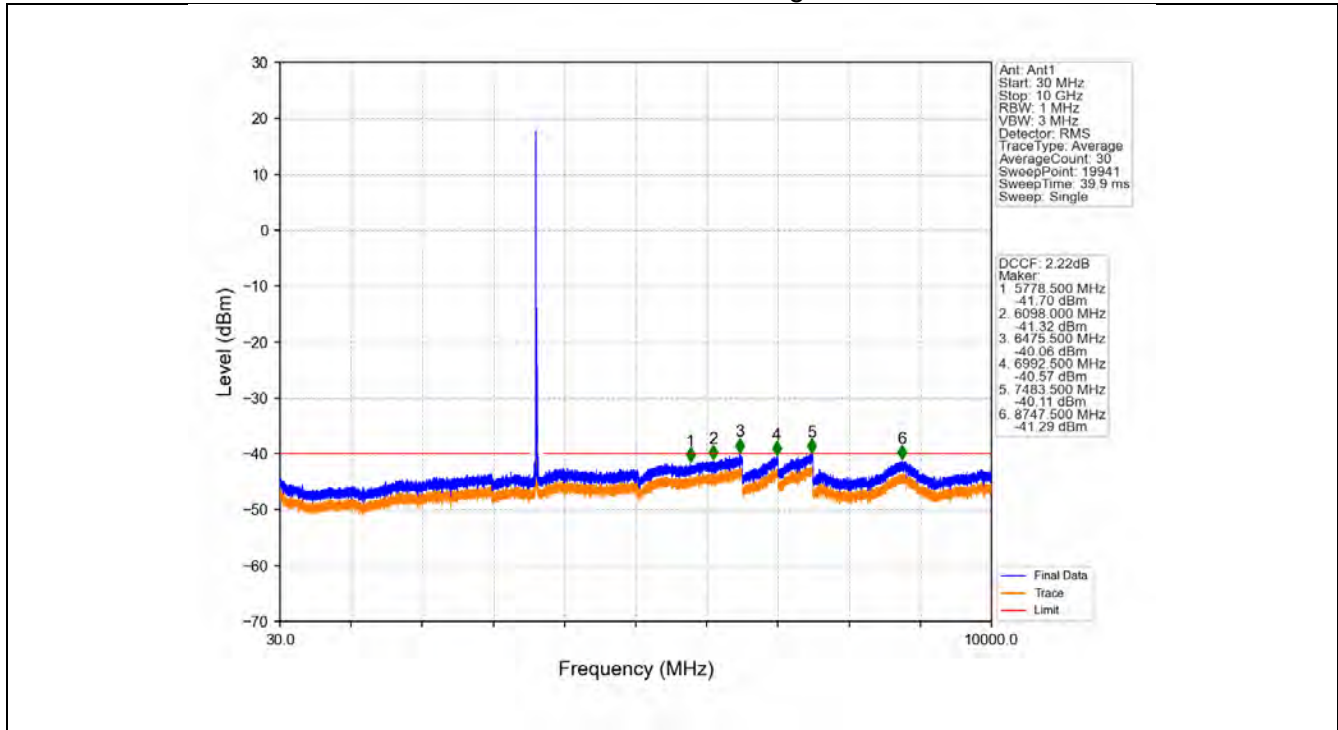
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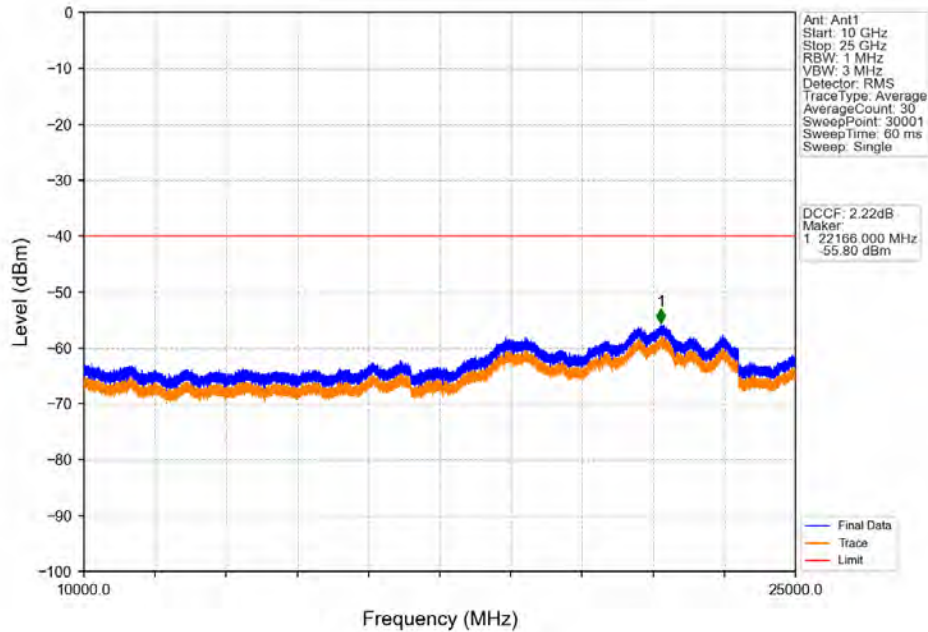


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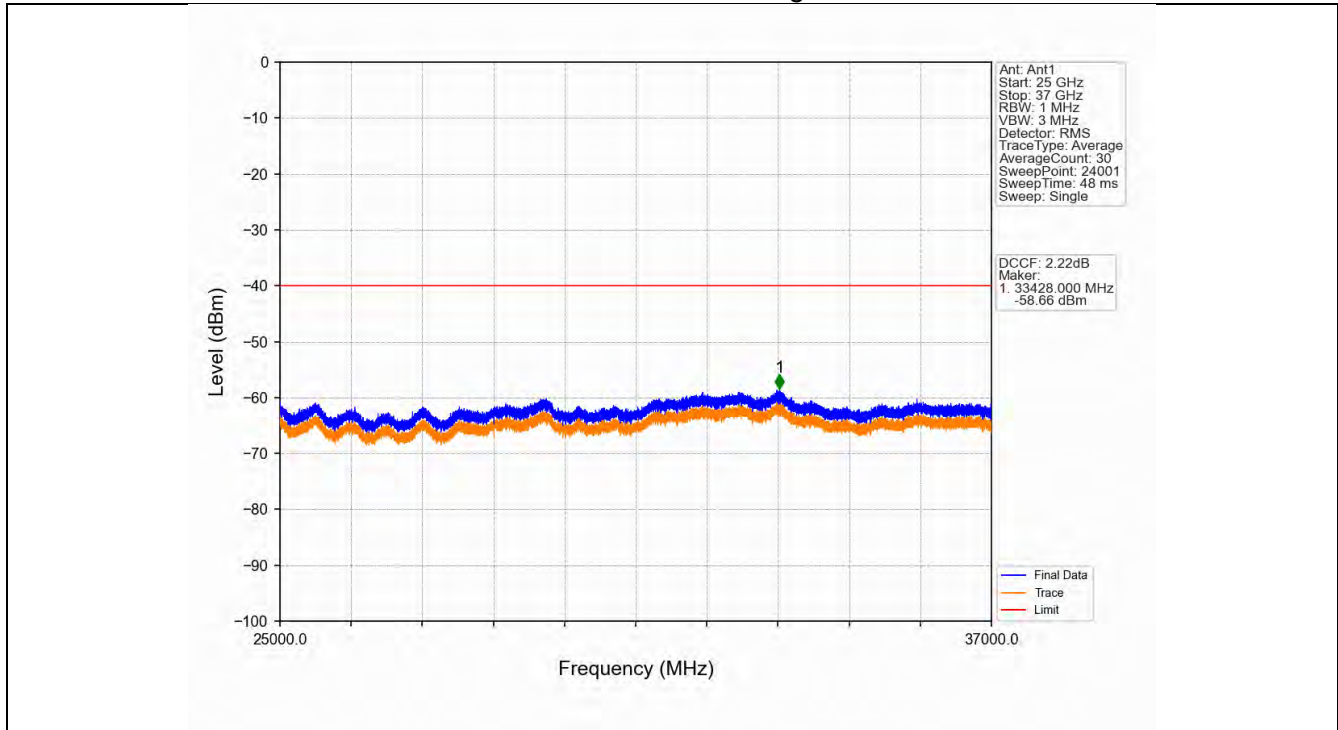


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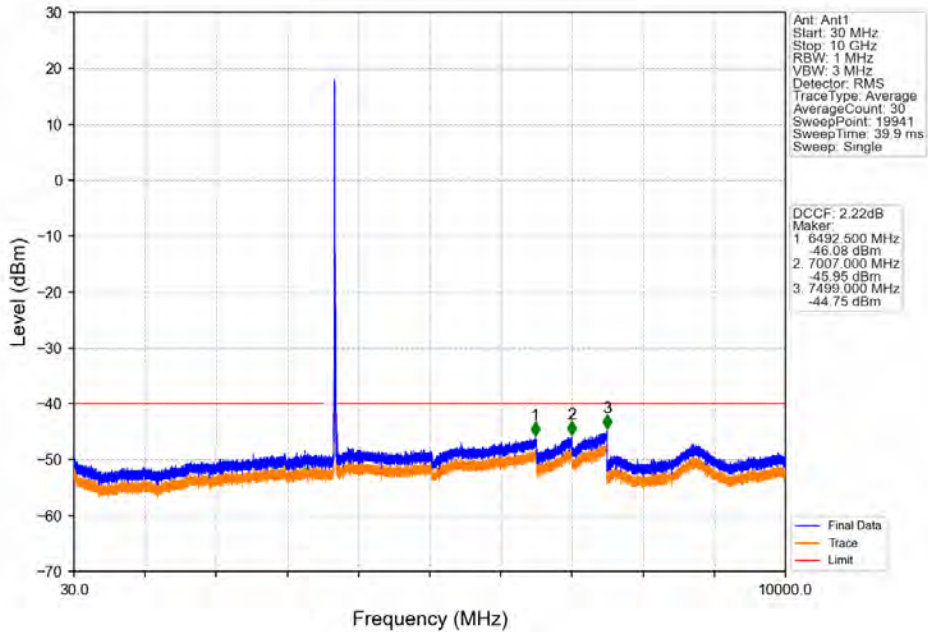


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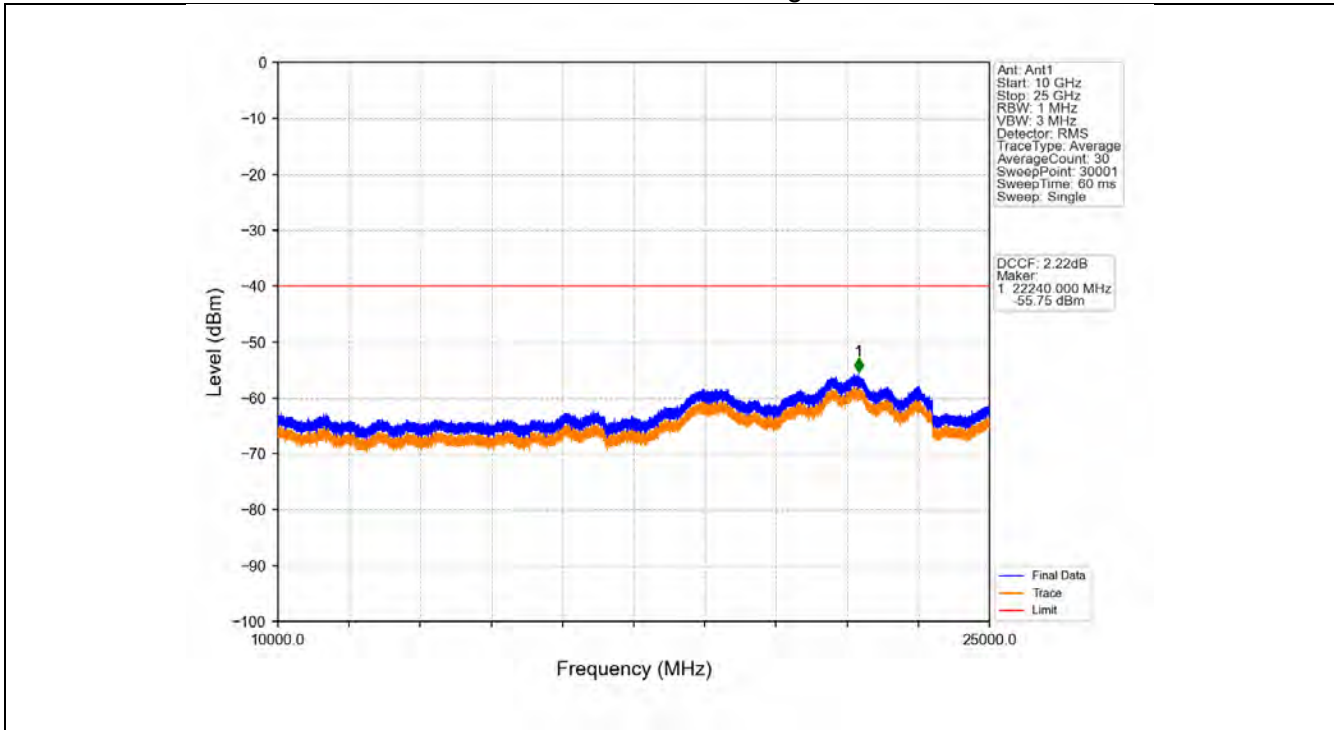
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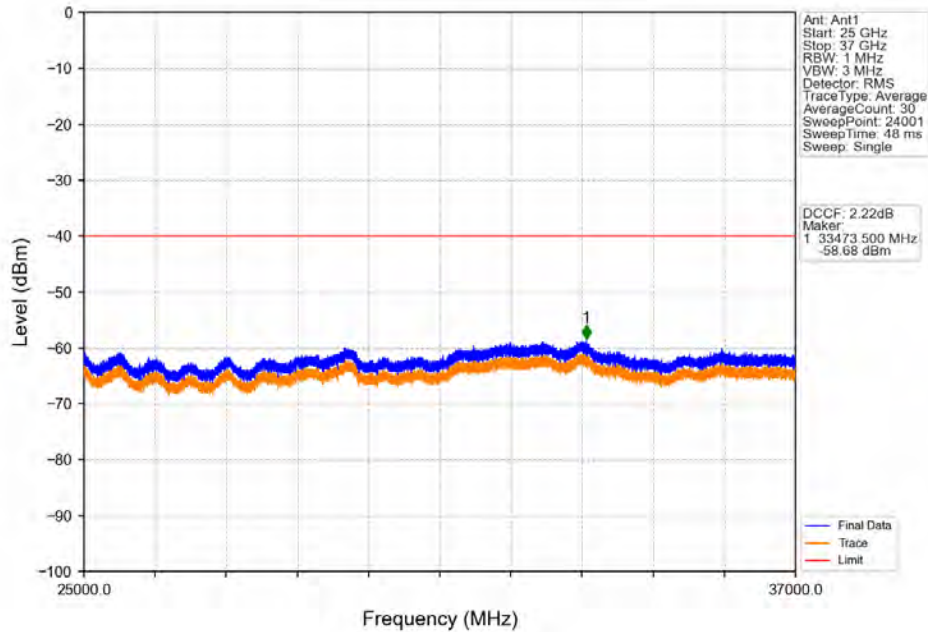
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Band48\_20MHz\_QPSK\_HCH\_3690MHz\_RB\_1\_0\_NTNV



Band48\_20MHz\_QPSK\_HCH\_3690MHz\_RB\_1\_99\_NTNV

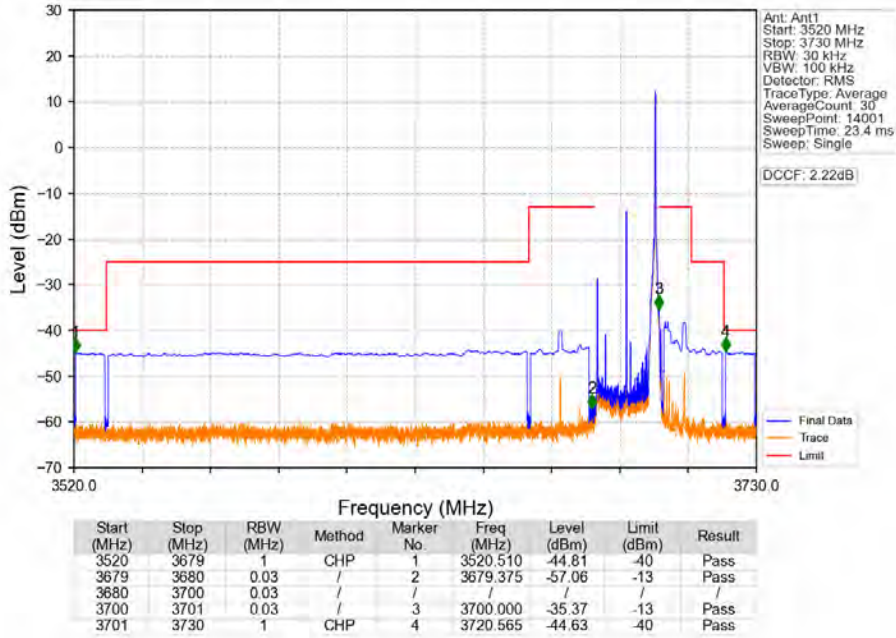


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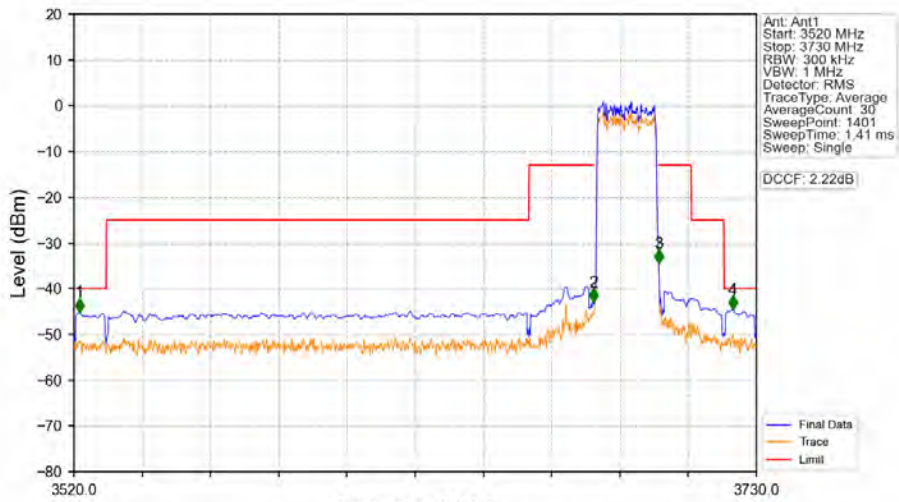


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Band48\_20MHz\_QPSK\_HCH\_3690MHz\_RB\_100\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3679	1	CHP	1	3521.650	-45.17	-40	Pass
3679	3680	0.3	/	2	3679.900	-42.91	-13	Pass
3680	3700	0.3	/	/	/	/	/	/
3700	3701	0.3	/	3	3700.000	-34.50	-13	Pass
3701	3730	1	CHP	4	3722.800	-44.57	-40	Pass



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## 6. Adjacent Channel Leakage Ratio

### 6.1 B48\_5MHz

#### 6.1.1 Test Result

Band: 48 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3697.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

### 6.2 B48\_10MHz

#### 6.2.1 Test Result

Band: 48 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3695	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass



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6.3 B48\_15MHz

6.3.1 Test Result

Band: 48 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3692.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

6.4 B48\_20MHz

6.4.1 Test Result

Band: 48 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3690	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass



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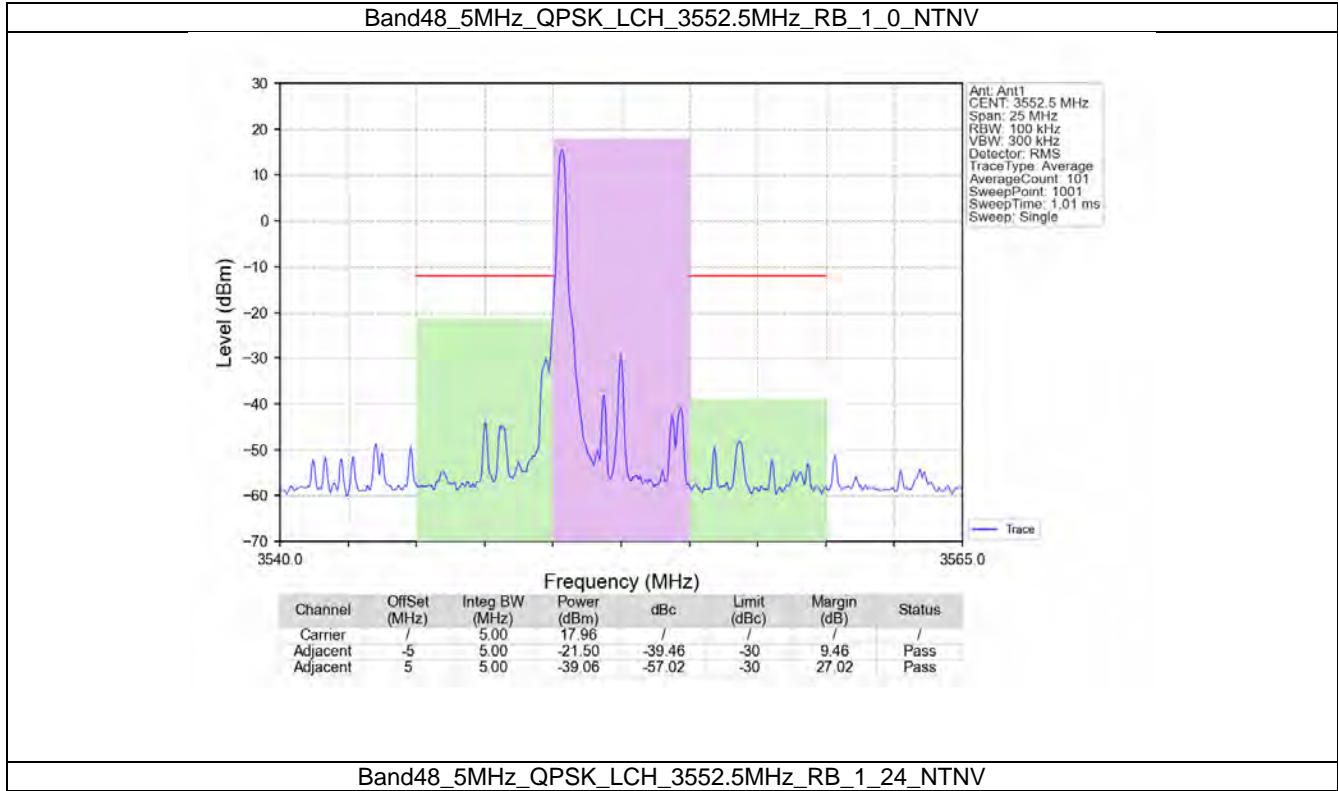
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6.1 B48\_5MHz

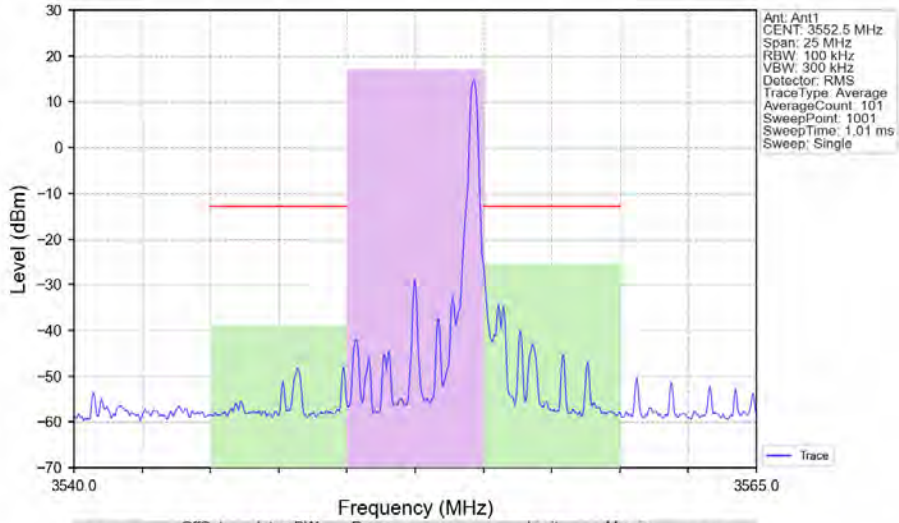
6.1.2 Test Graph



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Carrier	/	5.00	17.16	-56.17	-30	26.17	Pass
Adjacent	-5	5.00	-39.01	-42.66	-30	12.66	Pass
Adjacent	5	5.00	-25.50				

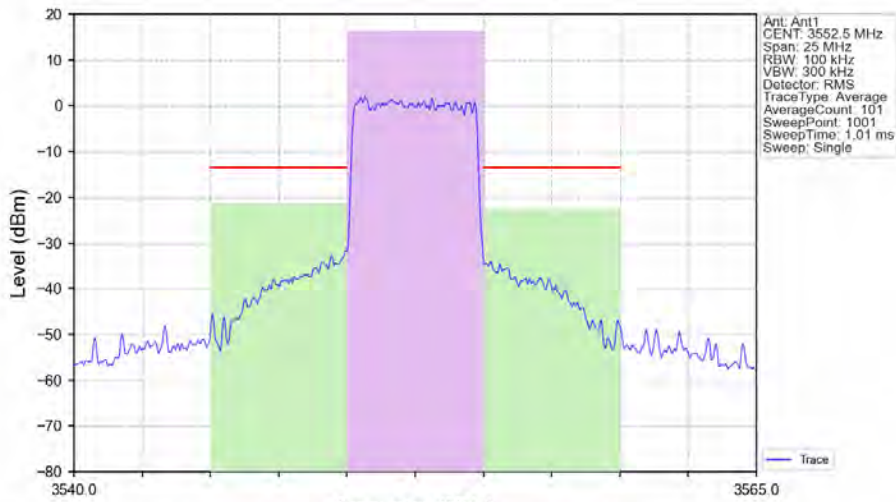


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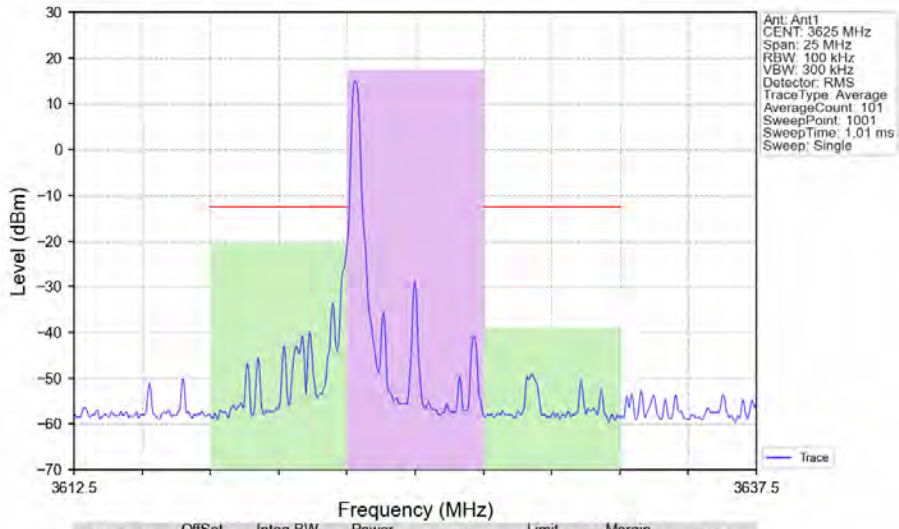
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Carrier	/	5.00	17.51	/	/	/	/
Adjacent	-5	5.00	-20.69	-38.20	-30	8.20	Pass
Adjacent	5	5.00	-39.08	-56.59	-30	26.59	Pass



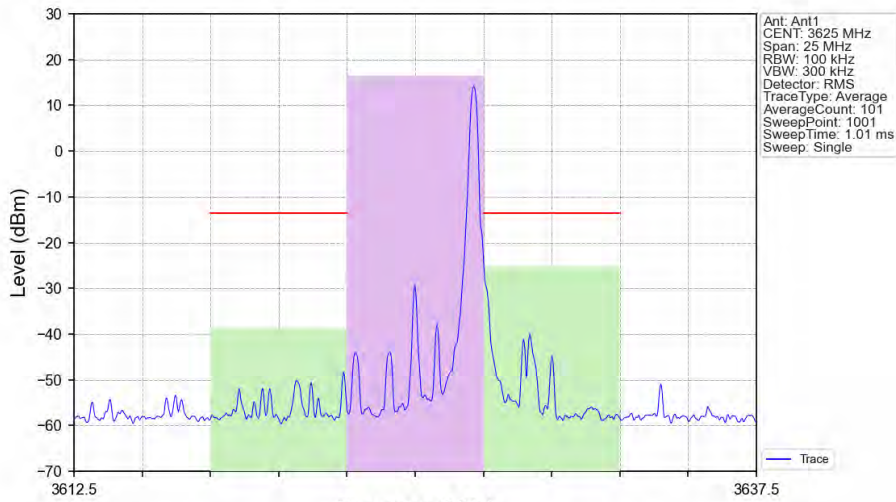
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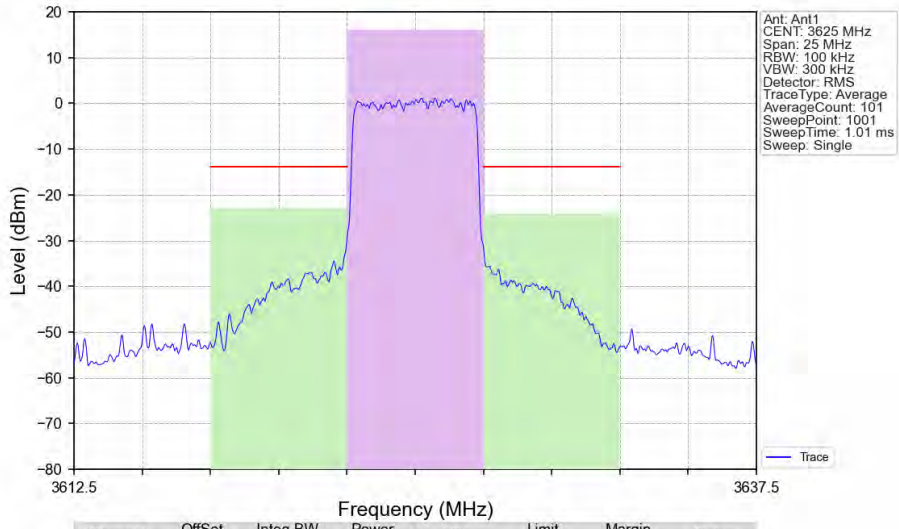
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Ant: Ant1  
 CENT: 3625 MHz  
 Span: 25 MHz  
 RBW: 100 kHz  
 VBW: 300 kHz  
 Detector: RMS  
 Trace Type: Average  
 Average Count: 101  
 Sweep Point: 1001  
 Sweep Time: 1.01 ms  
 Sweep: Single

Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	16.14	/	/	/	/
Adjacent	-5	5.00	-22.82	-38.96	-30	8.96	Pass
Adjacent	5	5.00	-24.16	-40.30	-30	10.30	Pass

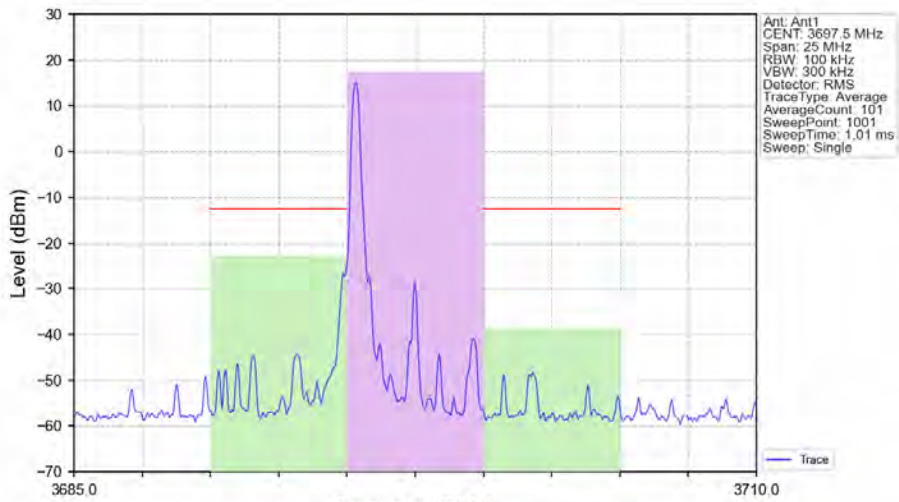


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Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_1\_0\_NTNV



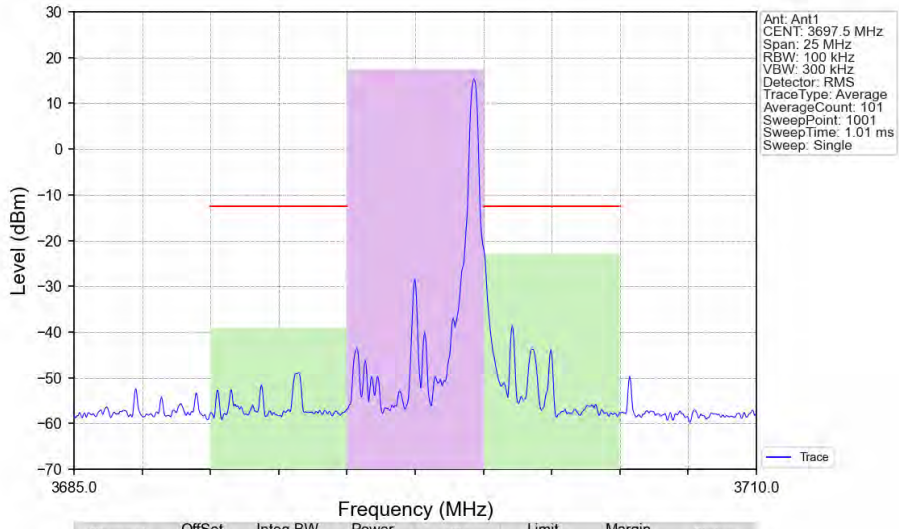
Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	17.41	/	/	/	/
Adjacent	-5	5.00	-22.88	-40.29	-30	10.29	Pass
Adjacent	5	5.00	-38.68	-56.09	-30	26.09	Pass

Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_1\_24\_NTNV



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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	17.53	/	/	/	/
Adjacent	-5	5.00	-39.07	-56.60	-30	26.60	Pass
Adjacent	5	5.00	-22.99	-40.52	-30	10.52	Pass



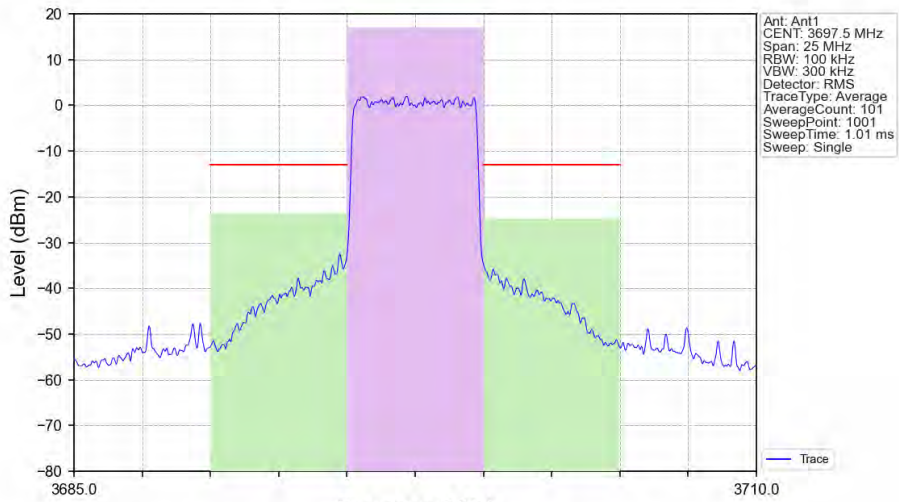
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Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_25\_0\_NTNV



Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	16.94	/	/	/	/
Adjacent	-5	5.00	-23.49	-40.43	-30	10.43	Pass
Adjacent	5	5.00	-24.80	-41.74	-30	11.74	Pass



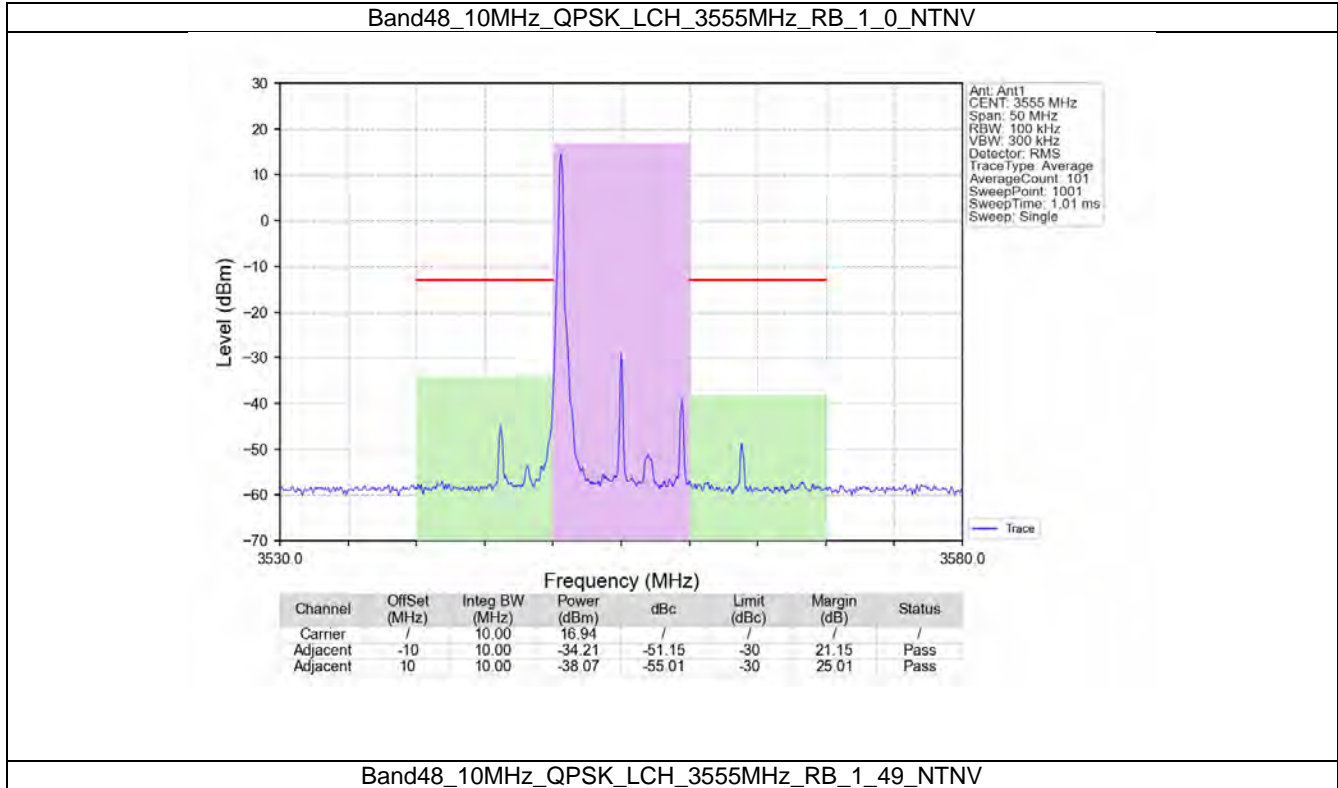
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6.2 B48\_10MHz

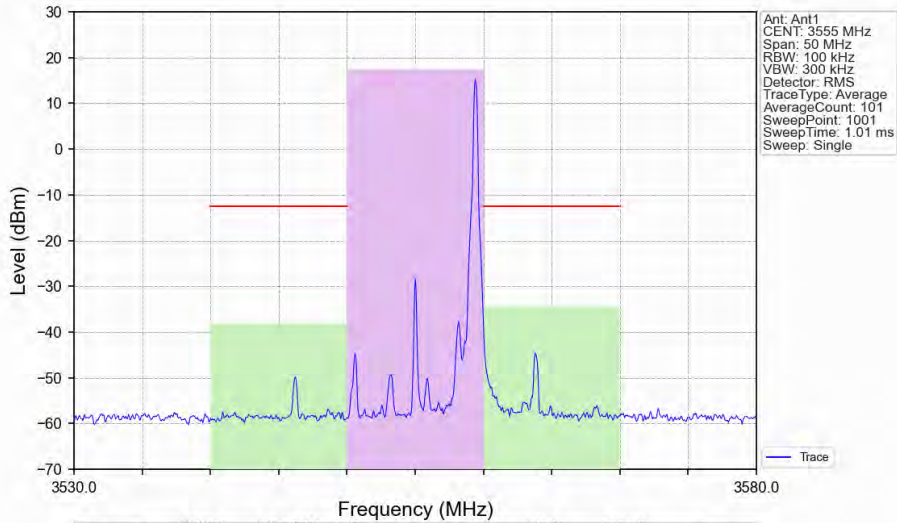
6.2.2 Test Graph



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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	17.55	/	/	/	/
Adjacent	-10	10.00	-38.16	-55.71	-30	25.71	Pass
Adjacent	10	10.00	-34.29	-51.84	-30	21.84	Pass

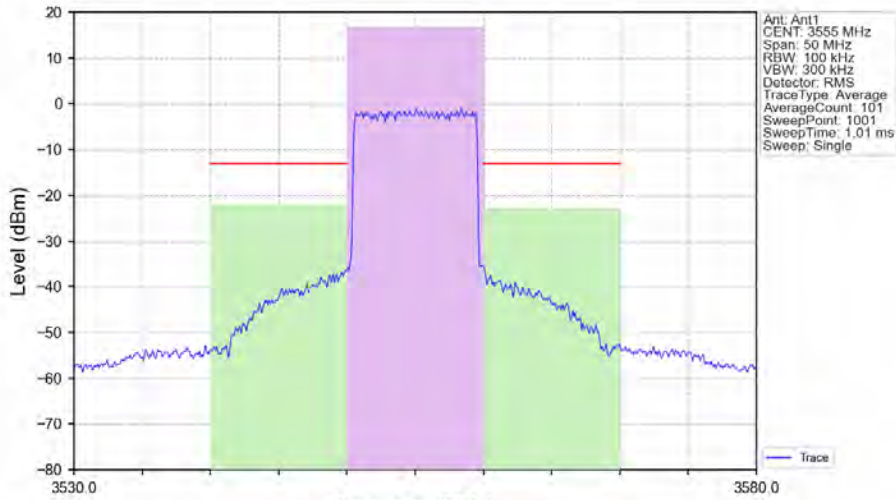


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Band48\_10MHz\_QPSK\_LCH\_3555MHz\_RB\_50\_0\_NTNV



Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	16.84	/	/	/	/
Adjacent	-10	10.00	-21.96	-38.80	-30	8.80	Pass
Adjacent	10	10.00	-22.81	-39.65	-30	9.65	Pass

Band48\_10MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV

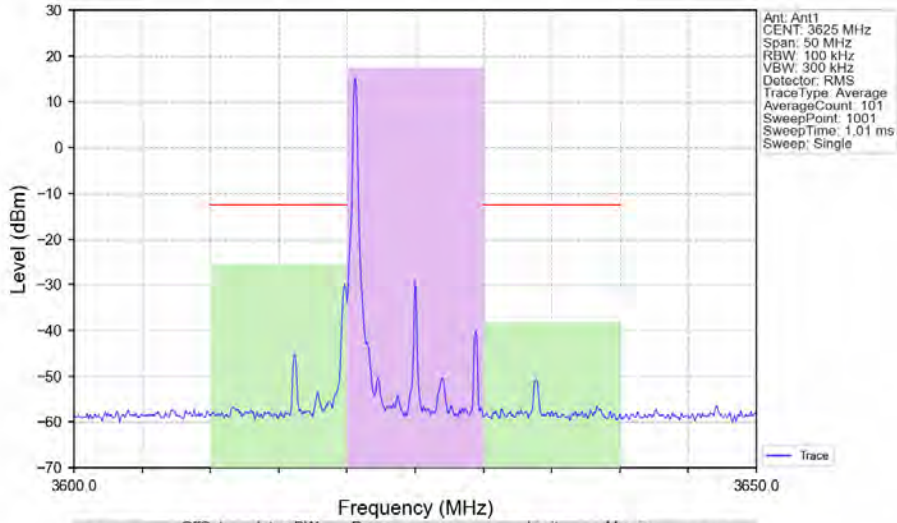


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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	17.54	/	/	/	/
Adjacent	-10	10.00	-25.53	-43.07	-30	13.07	Pass
Adjacent	10	10.00	-38.03	-55.57	-30	25.57	Pass



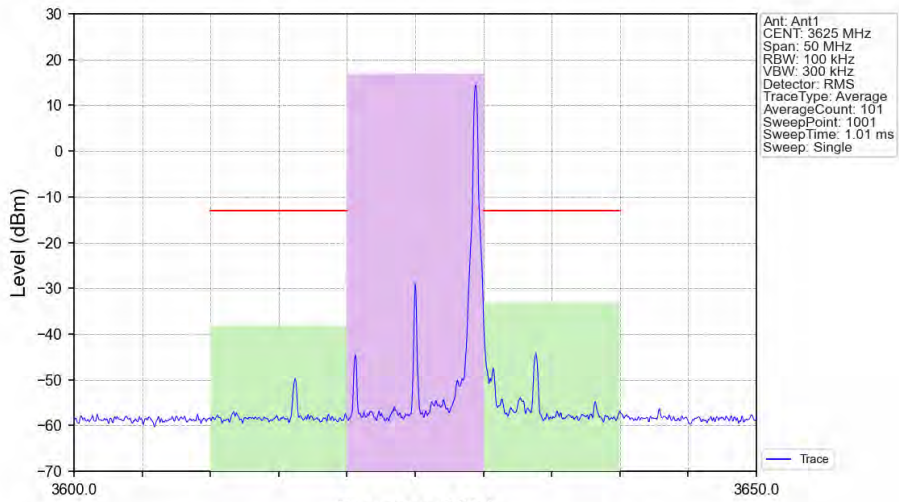
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Band48\_10MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_49\_NTNV



Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	16.99	/	/	/	/
Adjacent	-10	10.00	-38.08	-55.07	-30	25.07	Pass
Adjacent	10	10.00	-33.14	-50.13	-30	20.13	Pass

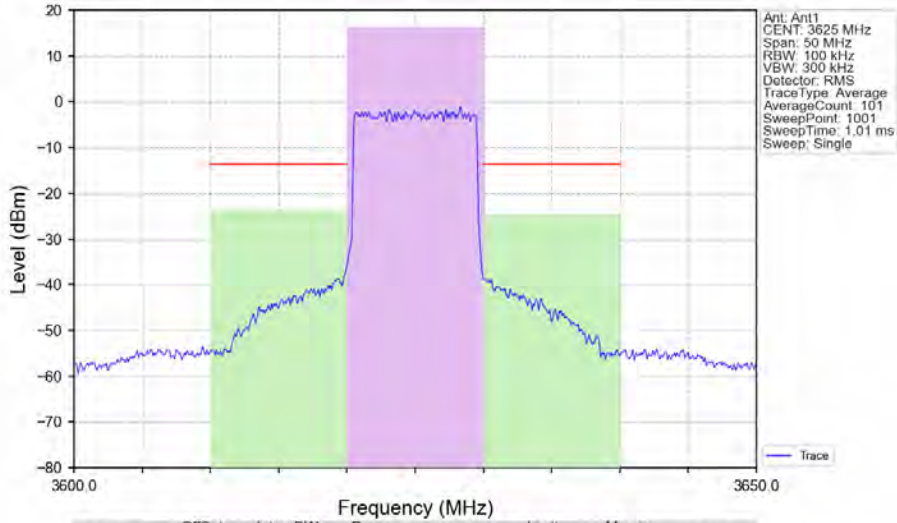
Band48\_10MHz\_QPSK\_MCH\_3625MHz\_RB\_50\_0\_NTNV



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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	16.29	/	/	/	/
Adjacent	-10	10.00	-23.64	-39.93	-30	9.93	Pass
Adjacent	10	10.00	-24.64	-40.93	-30	10.93	Pass

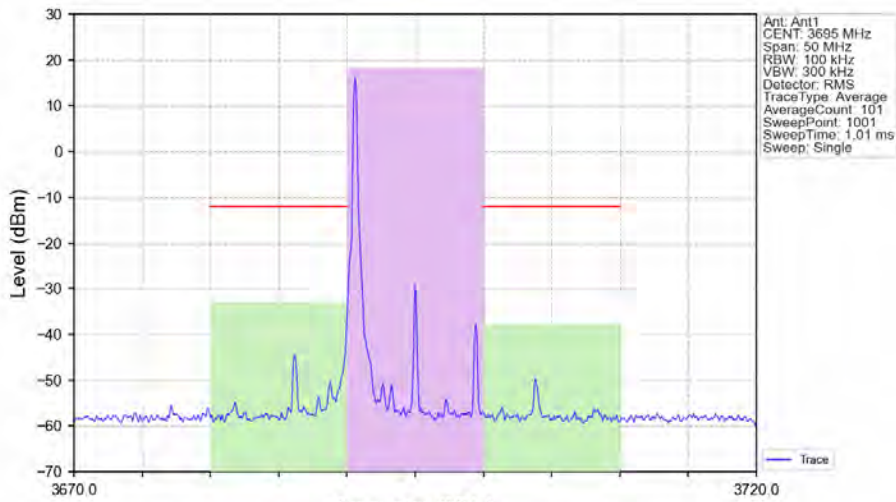
Ant: Ant1  
 CENT: 3625 MHz  
 Span: 50 MHz  
 RBW: 100 kHz  
 VBW: 300 kHz  
 Detector: RMS  
 Trace Type: Average  
 AverageCount: 101  
 SweepPoint: 1001  
 SweepTime: 1.01 ms  
 Sweep: Single



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Band48\_10MHz\_QPSK\_HCH\_3695MHz\_RB\_1\_0\_NTNV



Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	18.11	/	/	/	/
Adjacent	-10	10.00	-33.02	-51.13	-30	21.13	Pass
Adjacent	10	10.00	-37.68	-55.79	-30	25.79	Pass

Band48\_10MHz\_QPSK\_HCH\_3695MHz\_RB\_1\_49\_NTNV

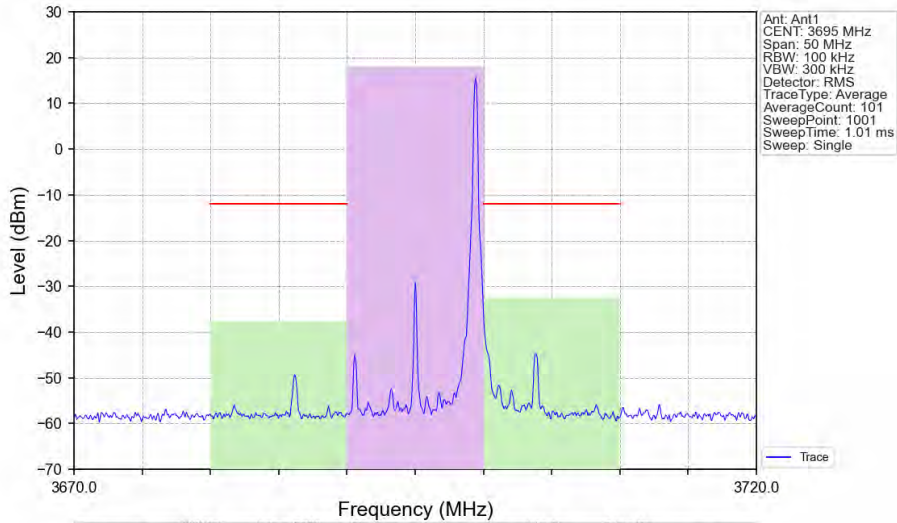


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Ant: Ant1  
 CENT: 3695 MHz  
 Span: 50 MHz  
 RBW: 100 kHz  
 VBW: 300 kHz  
 Detector: RMS  
 Trace Type: Average  
 Average Count: 101  
 Sweep Point: 1001  
 Sweep Time: 1.01 ms  
 Sweep: Single

Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	17.98	/	/	/	/
Adjacent	-10	10.00	-37.69	-55.67	-30	25.67	Pass
Adjacent	10	10.00	-32.37	-50.35	-30	20.35	Pass

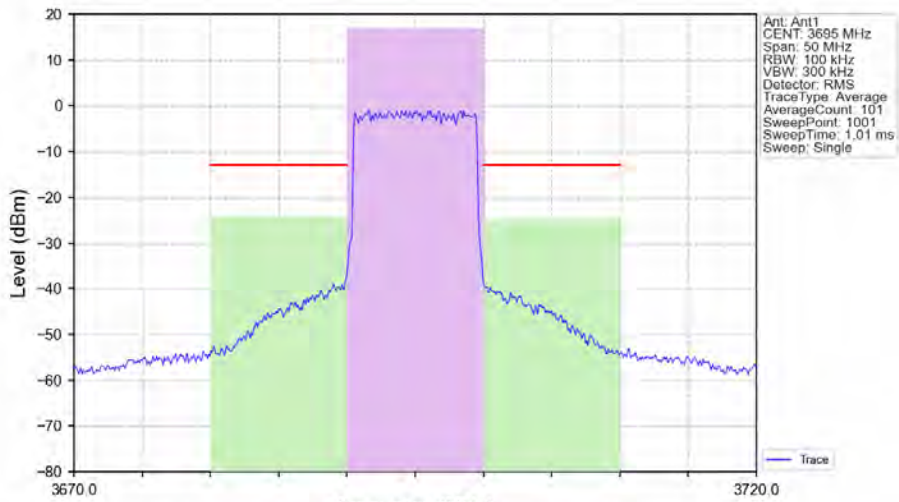


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Band48\_10MHz\_QPSK\_HCH\_3695MHz\_RB\_50\_0\_NTNV



Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	17.07	/	/	/	/
Adjacent	-10	10.00	-24.23	-41.30	-30	11.30	Pass
Adjacent	10	10.00	-24.81	-41.88	-30	11.88	Pass



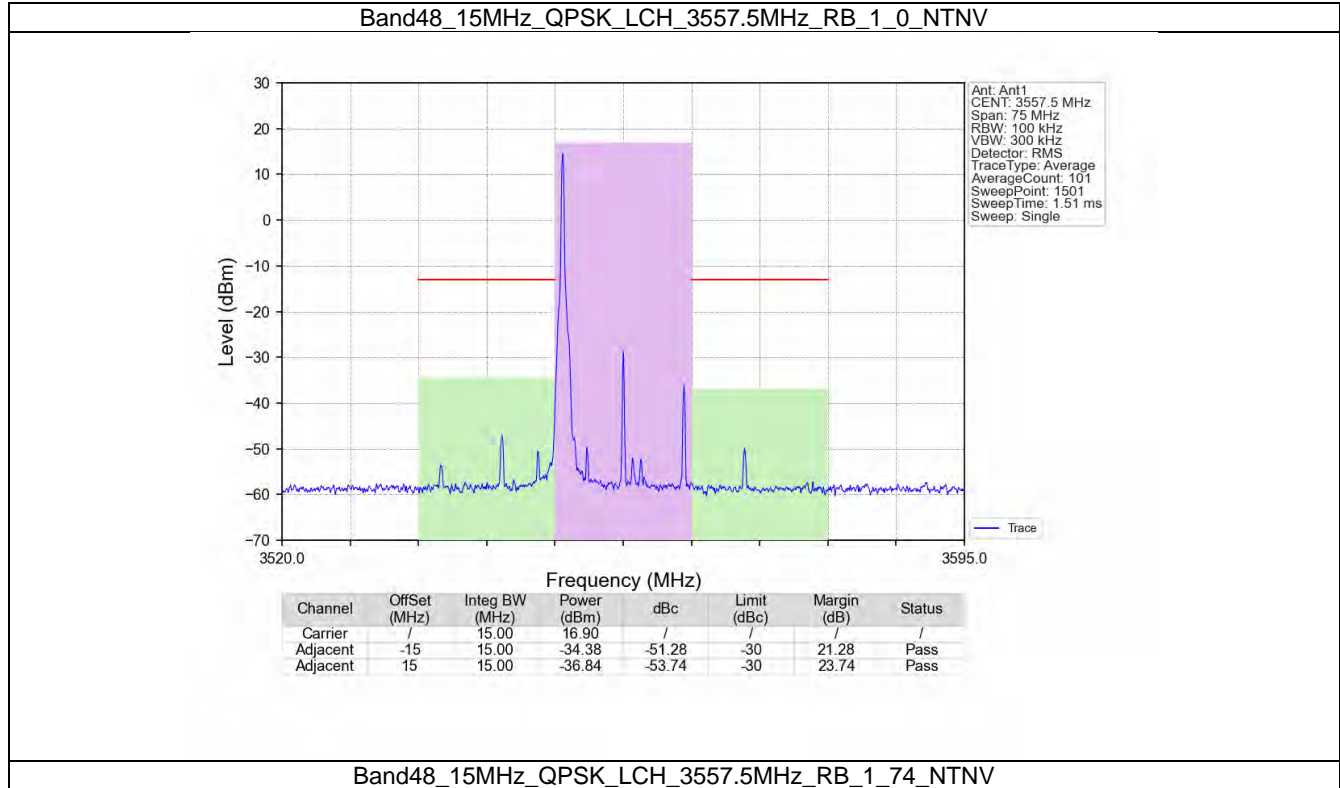
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6.3 B48\_15MHz

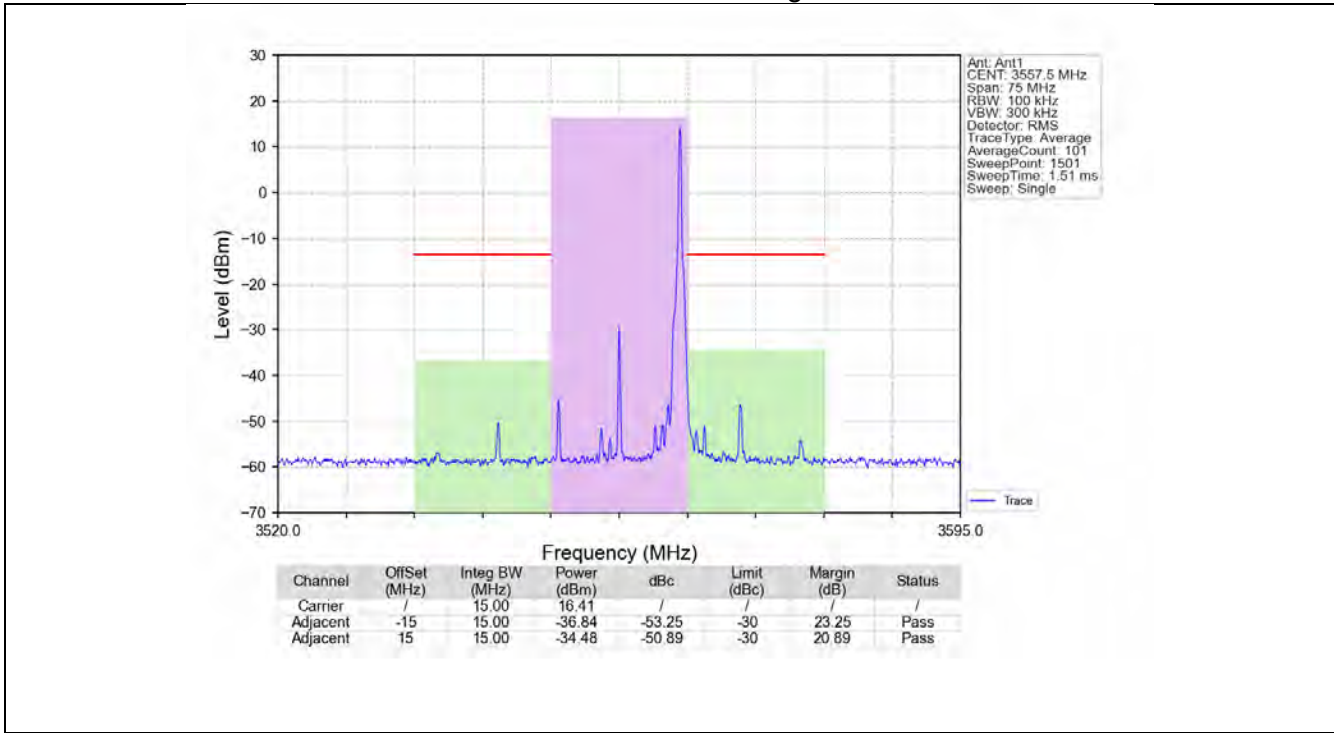
6.3.2 Test Graph



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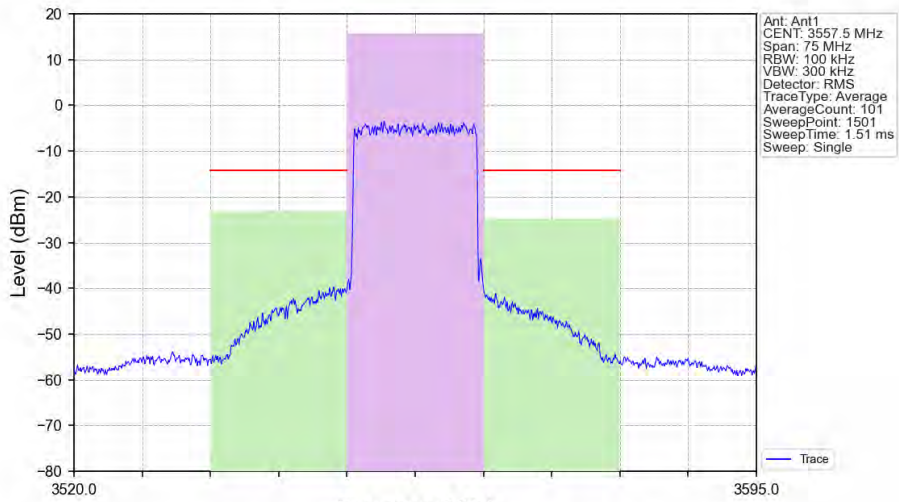
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Band48\_15MHz\_QPSK\_LCH\_3557.5MHz\_RB\_75\_0\_NTNV



Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	15.00	15.82	/	/	/	/
Adjacent	-15	15.00	-23.00	-38.82	-30	8.82	Pass
Adjacent	15	15.00	-24.71	-40.53	-30	10.53	Pass

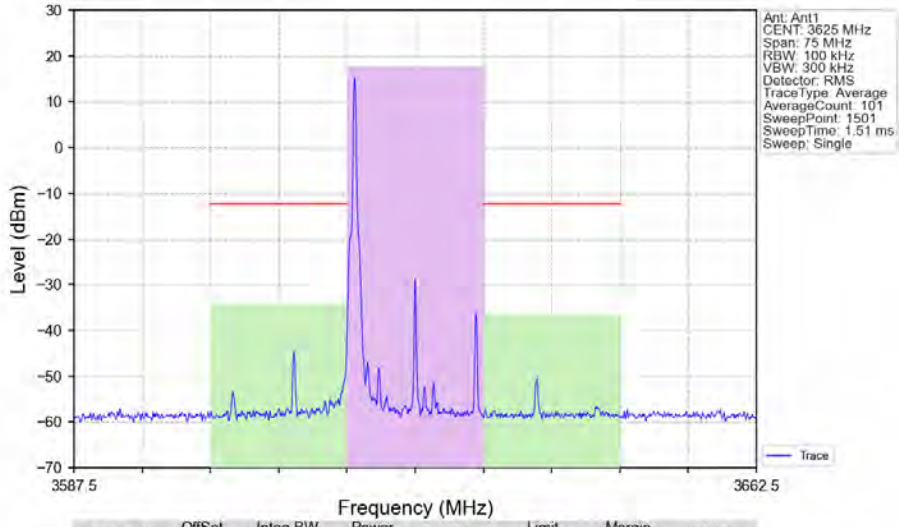
Band48\_15MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV



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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	15.00	17.68	/	/	/	/
Adjacent	-15	15.00	-34.21	-51.89	-30	21.89	Pass
Adjacent	15	15.00	-36.54	-54.22	-30	24.22	Pass

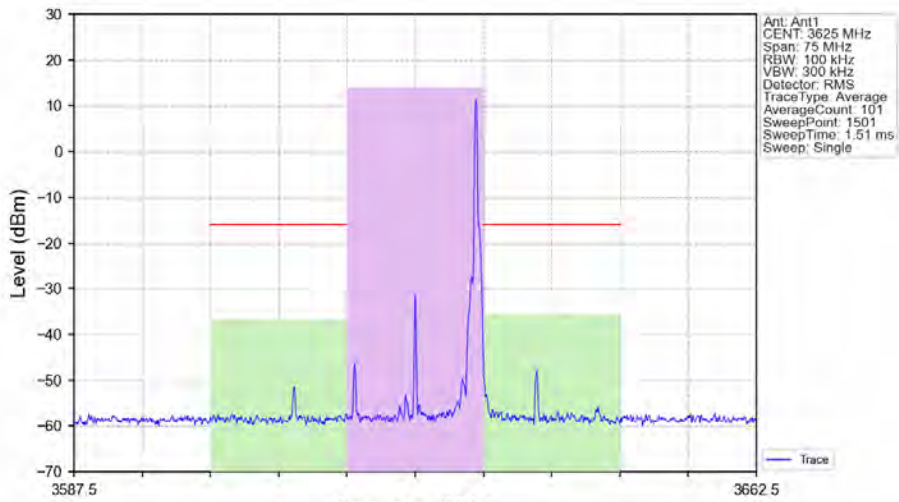


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Band48\_15MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_74\_NTNV



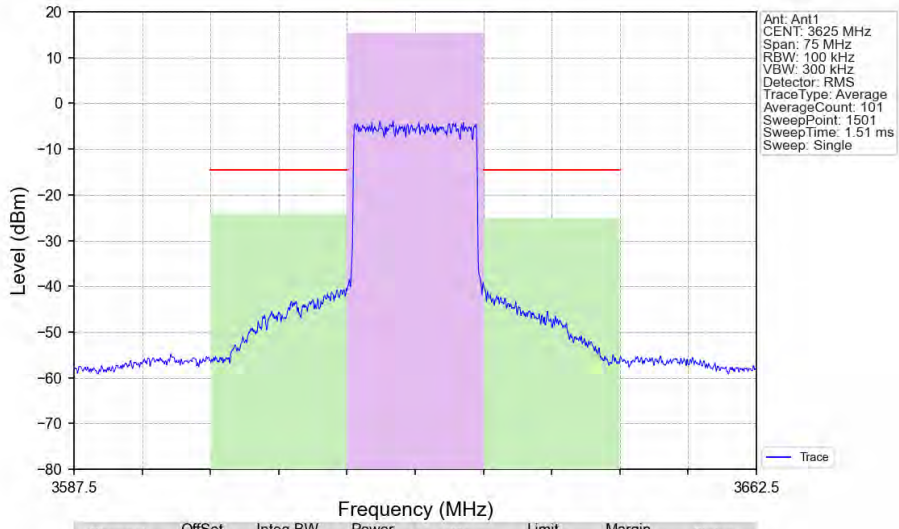
Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	15.00	13.93	/	/	/	/
Adjacent	-15	15.00	-36.80	-50.73	-30	20.73	Pass
Adjacent	15	15.00	-35.65	-49.58	-30	19.58	Pass

Band48\_15MHz\_QPSK\_MCH\_3625MHz\_RB\_75\_0\_NTNV



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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	15.00	15.49	/	/	/	/
Adjacent	-15	15.00	-24.13	-39.62	-30	9.62	Pass
Adjacent	15	15.00	-25.15	-40.64	-30	10.64	Pass



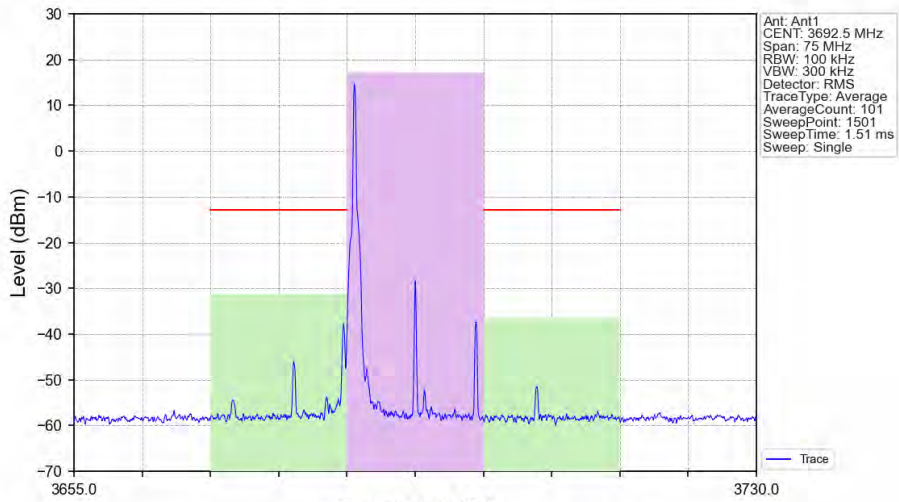
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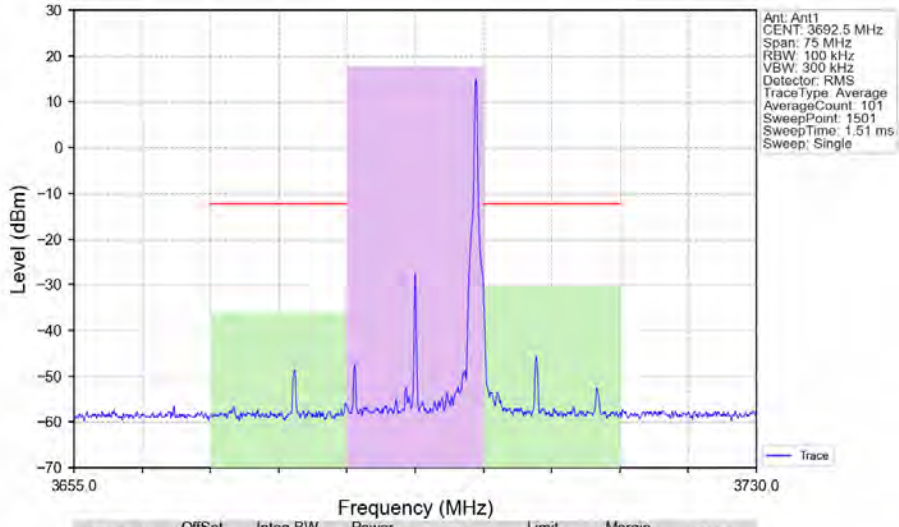
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	15.00	17.70	/	/	/	/
Adjacent	-15	15.00	-36.22	-53.92	-30	23.92	Pass
Adjacent	15	15.00	-30.19	-47.89	-30	17.89	Pass

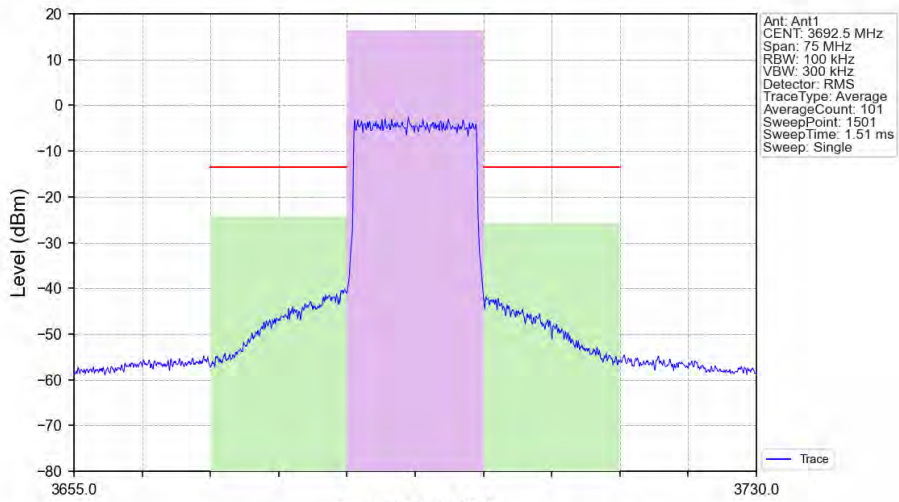


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Band48\_15MHz\_QPSK\_HCH\_3692.5MHz\_RB\_75\_0\_NTNV



Ant: Ant1  
 CENT: 3692.5 MHz  
 Span: 75 MHz  
 RBW: 100 kHz  
 VBW: 300 kHz  
 Detector: RMS  
 TraceType: Average  
 AverageCount: 101  
 SweepPoint: 1501  
 SweepTime: 1.51 ms  
 Sweep: Single

Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	15.00	16.50	/	/	/	/
Adjacent	-15	15.00	-24.23	-40.73	-30	10.73	Pass
Adjacent	15	15.00	-25.75	-42.25	-30	12.25	Pass

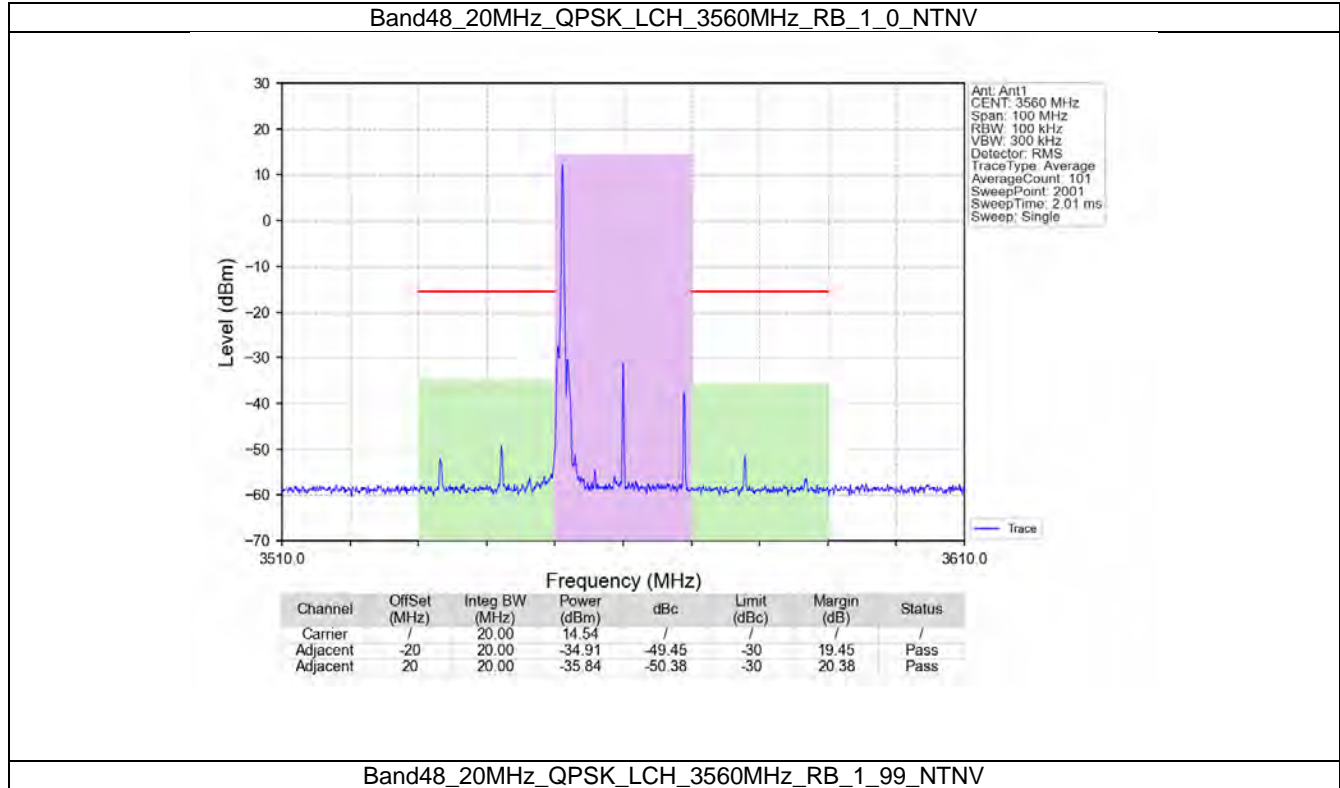


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6.4 B48\_20MHz

6.4.2 Test Graph

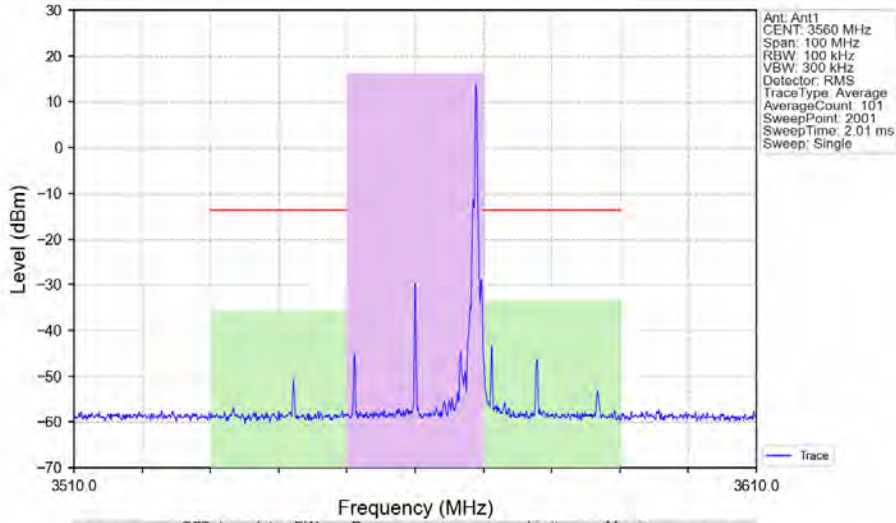


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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	16.33	/	/	/	/
Adjacent	-20	20.00	-35.79	-52.12	-30	22.12	Pass
Adjacent	20	20.00	-33.54	-49.87	-30	19.87	Pass

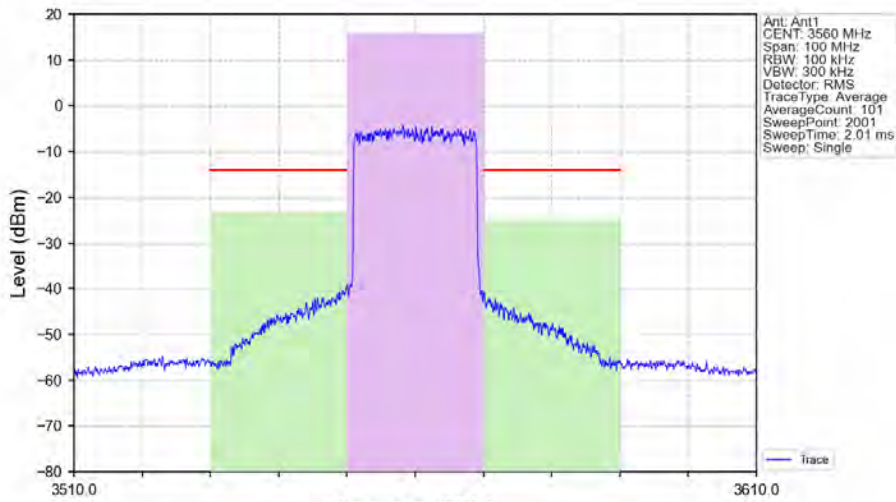


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Band48\_20MHz\_QPSK\_LCH\_3560MHz\_RB\_100\_0\_NTNV



Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	15.94	/	/	/	/
Adjacent	-20	20.00	-23.21	-39.15	-30	9.15	Pass
Adjacent	20	20.00	-24.99	-40.93	-30	10.93	Pass

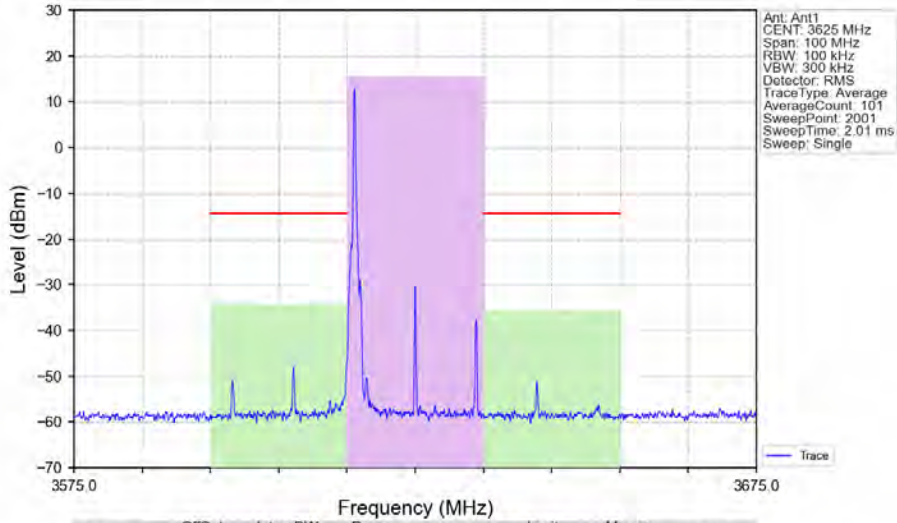
Band48\_20MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV



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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	15.49	/	/	/	/
Adjacent	-20	20.00	-34.41	-49.90	-30	19.90	Pass
Adjacent	20	20.00	-35.63	-51.12	-30	21.12	Pass

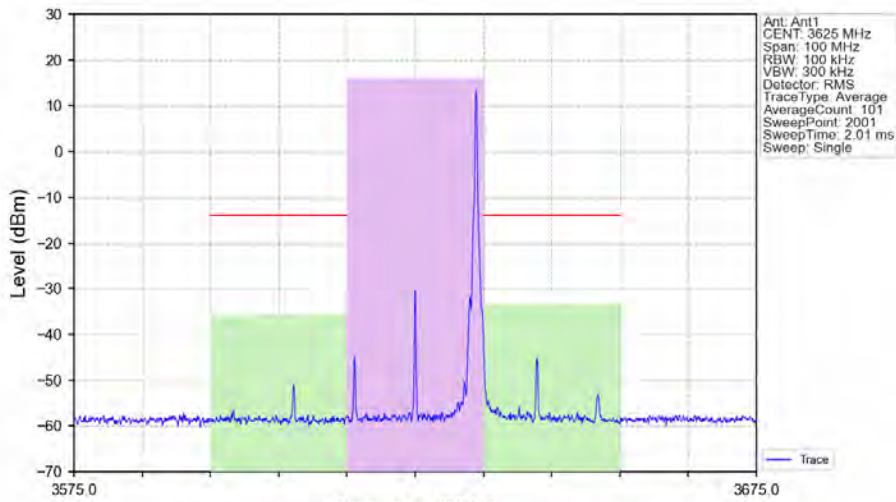


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Band48\_20MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_99\_NTNV



Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	16.14	/	/	/	/
Adjacent	-20	20.00	-35.67	-51.81	-30	21.81	Pass
Adjacent	20	20.00	-33.39	-49.53	-30	19.53	Pass

Band48\_20MHz\_QPSK\_MCH\_3625MHz\_RB\_100\_0\_NTNV

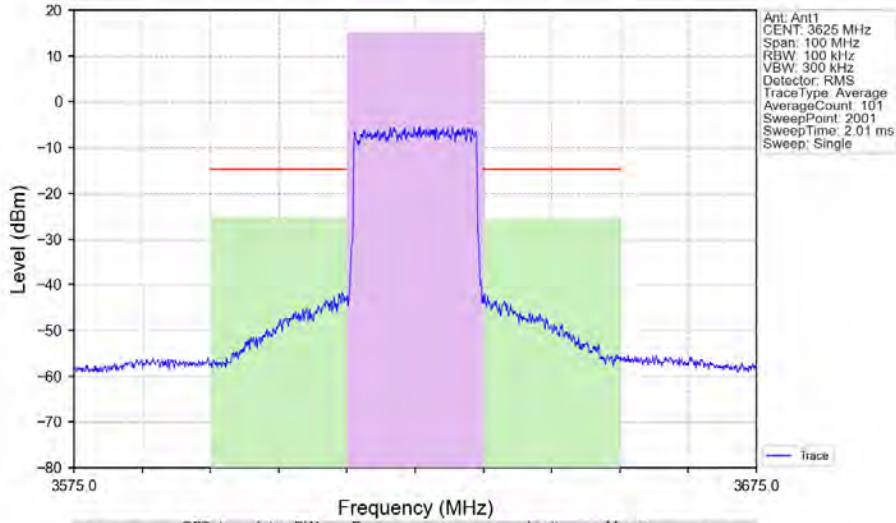


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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	15.19	/	/	/	/
Adjacent	-20	20.00	-25.07	-40.26	-30	10.26	Pass
Adjacent	20	20.00	-25.45	-40.64	-30	10.64	Pass

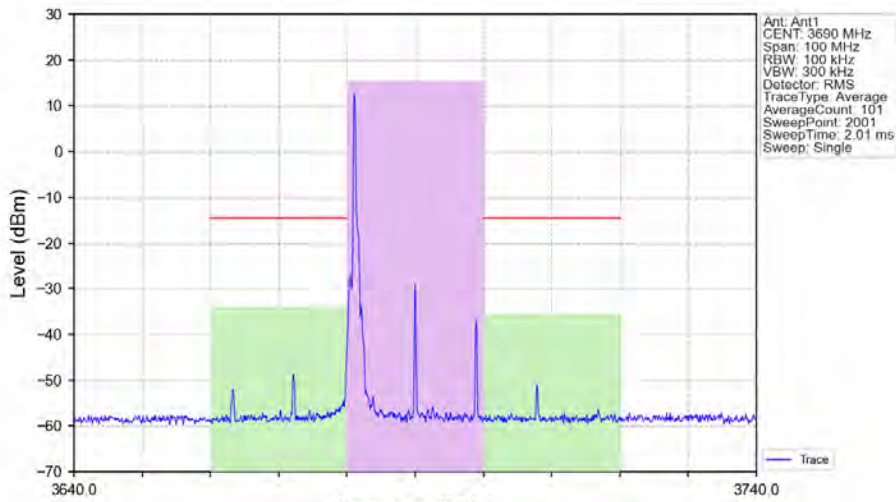


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Band48\_20MHz\_QPSK\_HCH\_3690MHz\_RB\_1\_0\_NTNV



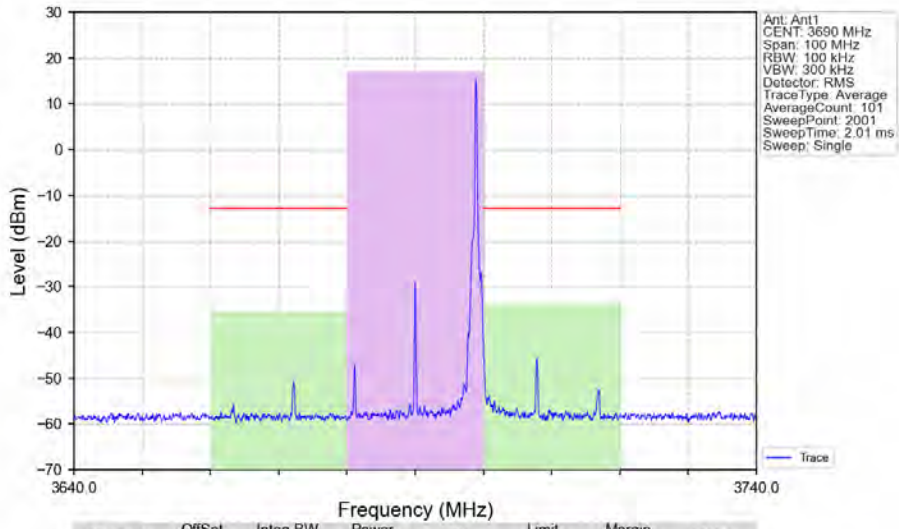
Band48\_20MHz\_QPSK\_HCH\_3690MHz\_RB\_1\_99\_NTNV



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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	17.17	/	/	/	/
Adjacent	-20	20.00	-35.43	-52.60	-30	22.60	Pass
Adjacent	20	20.00	-33.62	-50.79	-30	20.79	Pass

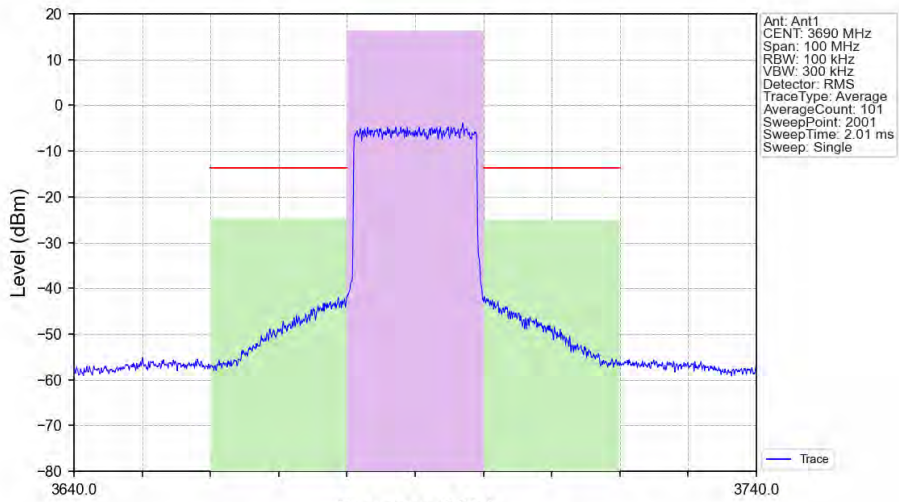


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Band48\_20MHz\_QPSK\_HCH\_3690MHz\_RB\_100\_0\_NTNV



Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	16.36	/	/	/	/
Adjacent	-20	20.00	-24.85	-41.21	-30	11.21	Pass
Adjacent	20	20.00	-25.15	-41.51	-30	11.51	Pass



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### 7. Field Strength of Spurious Radiation

Test Band = LTE\_48  
 Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2612.5102	30.47	-19.08	28.37	-55.50	-40.00	15.50	Horizontal
2	5236.9306	23.76	-15.88	33.11	-54.27	-40.00	14.27	Horizontal
3	7102.3	53.16	-44.13	36.91	-49.32	-40.00	9.32	Horizontal
4	11875.5667	48.26	-38.34	39.60	-45.74	-40.00	5.74	Horizontal
5	14228.4667	48.18	-39.08	40.77	-45.39	-40.00	5.39	Horizontal
6	17533.9667	50.08	-41.80	41.17	-45.81	-40.00	5.81	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2412.3102	22.84	-19.10	27.82	-63.70	-40.00	23.70	Vertical
2	5139.8309	21.77	-15.62	33.58	-55.53	-40.00	15.53	Vertical
3	7101.9333	53.60	-44.13	36.91	-48.88	-40.00	8.88	Vertical
4	11910.4	47.73	-38.07	39.49	-46.11	-40.00	6.11	Vertical
5	14228.4667	48.05	-39.08	40.77	-45.52	-40.00	5.52	Vertical
6	17535.4333	49.87	-41.83	41.16	-46.06	-40.00	6.06	Vertical



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Rev.: 01
Page: 225 of 226

Test Band = LTE\_48
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: 226 of 226

Test Band = LTE\_48
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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