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Appendix B.21

LTE Band 48(3550-3700)



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1. Effective (Isotropic) Radiated Power Output Data

1.1 B48_5MHz_EIRP

1.1.1 Test Result

Band: 48 / Bandwidth: 5MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP (dBm/10MHz)		Verdict		
		Size	Offset			Result	Limit			
QPSK	3552.5	1	0	21.61	1	22.61	23.00	Pass		
			13	21.47	1	22.47	23.00	Pass		
			24	21.59	1	22.59	23.00	Pass		
		12	0	20.75	1	21.75	23.00	Pass		
			6	20.54	1	21.54	23.00	Pass		
			13	20.38	1	21.38	23.00	Pass		
		25	0	20.56	1	21.56	23.00	Pass		
		3625	1	0	21.69	1	22.69	23.00	Pass	
				13	21.71	1	22.71	23.00	Pass	
	24			21.61	1	22.61	23.00	Pass		
	12		0	20.79	1	21.79	23.00	Pass		
			6	20.96	1	21.96	23.00	Pass		
			13	20.48	1	21.48	23.00	Pass		
	25		0	20.74	1	21.74	23.00	Pass		
	3697.5		1	0	21.92	1	22.92	23.00	Pass	
				13	21.94	1	22.94	23.00	Pass	
		24		21.7	1	22.7	23.00	Pass		
		12	0	20.87	1	21.87	23.00	Pass		
			6	20.69	1	21.69	23.00	Pass		
			13	20.82	1	21.82	23.00	Pass		
		25	0	20.9	1	21.9	23.00	Pass		
		16QAM	3552.5	1	0	20.69	1	21.69	23.00	Pass
					13	20.65	1	21.65	23.00	Pass
	24				20.65	1	21.65	23.00	Pass	
12	0			19.29	1	20.29	23.00	Pass		
	6			19.46	1	20.46	23.00	Pass		
	13			19.49	1	20.49	23.00	Pass		
25	0			19.65	1	20.65	23.00	Pass		
3625	1			0	21.13	1	22.13	23.00	Pass	
				13	21.02	1	22.02	23.00	Pass	
			24	20.93	1	21.93	23.00	Pass		
	12		0	19.68	1	20.68	23.00	Pass		
			6	19.61	1	20.61	23.00	Pass		
			13	19.91	1	20.91	23.00	Pass		
	25		0	19.72	1	20.72	23.00	Pass		
	3697.5		1	0	21.22	1	22.22	23.00	Pass	
				13	20.77	1	21.77	23.00	Pass	



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		24	20.48	1	21.48	23.00	Pass
		0	20.11	1	21.11	23.00	Pass
	12	6	19.88	1	20.88	23.00	Pass
		13	20.05	1	21.05	23.00	Pass
	25	0	19.71	1	20.71	23.00	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.3 B48_10MHz_EIRP

1.3.1 Test Result

Band: 48 / Bandwidth: 10MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP(dBm/10MHz)		Verdict	
		Size	Offset			Result	Limit		
QPSK	3555	1	0	21.66	1	22.66	23.00	Pass	
			25	21.43	1	22.43	23.00	Pass	
			49	21.47	1	22.47	23.00	Pass	
		25	0	20.54	1	21.54	23.00	Pass	
			13	20.8	1	21.8	23.00	Pass	
			25	20.3	1	21.3	23.00	Pass	
		50	0	20.65	1	21.65	23.00	Pass	
		3625	1	0	21.9	1	22.9	23.00	Pass
				25	21.69	1	22.69	23.00	Pass
	49			21.64	1	22.64	23.00	Pass	
	25		0	20.92	1	21.92	23.00	Pass	
			13	20.72	1	21.72	23.00	Pass	
	25		20.9	1	21.9	23.00	Pass		
	50	0	20.7	1	21.7	23.00	Pass		
	3695	1	0	21.89	1	22.89	23.00	Pass	
			25	21.7	1	22.7	23.00	Pass	
			49	21.63	1	22.63	23.00	Pass	
		25	0	20.84	1	21.84	23.00	Pass	
			13	20.81	1	21.81	23.00	Pass	
		25	20.69	1	21.69	23.00	Pass		
	50	0	20.84	1	21.84	23.00	Pass		
	16QAM	3555	1	0	20.37	1	21.37	23.00	Pass
				25	20.66	1	21.66	23.00	Pass
				49	20.5	1	21.5	23.00	Pass
25			0	19.65	1	20.65	23.00	Pass	
			13	19.56	1	20.56	23.00	Pass	
25			19.55	1	20.55	23.00	Pass		
50		0	19.76	1	20.76	23.00	Pass		
3625		1	0	20.41	1	21.41	23.00	Pass	
			25	20.42	1	21.42	23.00	Pass	
			49	20.69	1	21.69	23.00	Pass	
		25	0	19.86	1	20.86	23.00	Pass	



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			13	19.64	1	20.64	23.00	Pass	
			25	19.82	1	20.82	23.00	Pass	
		50	0	19.8	1	20.8	23.00	Pass	
	3695	1		0	20.66	1	21.66	23.00	Pass
				25	20.76	1	21.76	23.00	Pass
				49	20.62	1	21.62	23.00	Pass
		25		0	19.83	1	20.83	23.00	Pass
				13	19.85	1	20.85	23.00	Pass
				25	19.93	1	20.93	23.00	Pass
		50	0	19.74	1	20.74	23.00	Pass	

Note1: EIRP=Conducted Power+Antenna Gain

1.5 B48_15MHz_EIRP

1.5.1 Test Result

Band: 48 / Bandwidth: 15MHz / NTV											
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP(dBm/10MHz)		Verdict			
		Size	Offset			Result	Limit				
QPSK	3557.5	1		0	21.25	1	22.25	23.00	Pass		
				38	21.43	1	22.43	23.00	Pass		
				74	21.54	1	22.54	23.00	Pass		
		36		0	20.45	1	21.45	23.00	Pass		
				18	20.5	1	21.5	23.00	Pass		
				39	20.48	1	21.48	23.00	Pass		
			75	0	20.52	1	21.52	23.00	Pass		
		3625	1		0	21.58	1	22.58	23.00	Pass	
					38	21.7	1	22.7	23.00	Pass	
				74	21.94	1	22.94	23.00	Pass		
	36			0	20.66	1	21.66	23.00	Pass		
				18	21.02	1	22.02	23.00	Pass		
				39	20.93	1	21.93	23.00	Pass		
			75	0	20.81	1	21.81	23.00	Pass		
	3692.5		1		0	21.77	1	22.77	23.00	Pass	
					38	21.94	1	22.94	23.00	Pass	
				74	21.95	1	22.95	23.00	Pass		
		36		0	20.94	1	21.94	23.00	Pass		
				18	20.86	1	21.86	23.00	Pass		
				39	20.82	1	21.82	23.00	Pass		
			75	0	20.9	1	21.9	23.00	Pass		
		16QAM	3557.5	1		0	20.4	1	21.4	23.00	Pass
						38	20.85	1	21.85	23.00	Pass
					74	20.36	1	21.36	23.00	Pass	
36				0	19.51	1	20.51	23.00	Pass		
				18	19.57	1	20.57	23.00	Pass		
				39	19.77	1	20.77	23.00	Pass		



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	3625	75	0	19.49	1	20.49	23.00	Pass
		1	0	20.62	1	21.62	23.00	Pass
			38	20.48	1	21.48	23.00	Pass
			74	20.59	1	21.59	23.00	Pass
			0	19.62	1	20.62	23.00	Pass
		36	18	19.75	1	20.75	23.00	Pass
	39		19.85	1	20.85	23.00	Pass	
	75		0	19.54	1	20.54	23.00	Pass
	3692.5	1	0	20.8	1	21.8	23.00	Pass
			38	20.65	1	21.65	23.00	Pass
			74	21.13	1	22.13	23.00	Pass
		36	0	19.8	1	20.8	23.00	Pass
			18	19.86	1	20.86	23.00	Pass
			39	19.68	1	20.68	23.00	Pass
	75	0	19.63	1	20.63	23.00	Pass	

Note1: EIRP=Conducted Power+Antenna Gain

1.7 B48_20MHz_EIRP

1.7.1 Test Result

Band: 48 / Bandwidth: 20MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP(dBm/10MHz)		Verdict	
		Size	Offset			Result	Limit		
QPSK	3560	1	0	21.63	1	22.63	23.00	Pass	
			50	21.27	1	22.27	23.00	Pass	
			99	21.86	1	22.86	23.00	Pass	
		50	0	20.56	1	21.56	23.00	Pass	
			25	20.56	1	21.56	23.00	Pass	
			50	20.57	1	21.57	23.00	Pass	
	100	0	20.55	1	21.55	23.00	Pass		
	3625	1	0	21.7	1	22.7	23.00	Pass	
			50	21.73	1	22.73	23.00	Pass	
			99	21.72	1	22.72	23.00	Pass	
		50	0	20.73	1	21.73	23.00	Pass	
			25	20.9	1	21.9	23.00	Pass	
			50	20.83	1	21.83	23.00	Pass	
	100	0	20.86	1	21.86	23.00	Pass		
	3690	1	0	21.46	1	22.46	23.00	Pass	
			50	21.79	1	22.79	23.00	Pass	
			99	21.85	1	22.85	23.00	Pass	
		50	0	20.84	1	21.84	23.00	Pass	
			25	20.8	1	21.8	23.00	Pass	
			50	20.61	1	21.61	23.00	Pass	
	100	0	21.14	1	22.14	23.00	Pass		
	16QAM	3560	1	0	20.78	1	21.78	23.00	Pass



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	3625	50	50	20.77	1	21.77	23.00	Pass		
			99	20.68	1	21.68	23.00	Pass		
		100	0	0	19.42	1	20.42	23.00	Pass	
				25	19.52	1	20.52	23.00	Pass	
				50	19.65	1	20.65	23.00	Pass	
		3690	1	0	0	19.78	1	20.78	23.00	Pass
					50	20.54	1	21.54	23.00	Pass
					99	20.37	1	21.37	23.00	Pass
			50	0	0	19.79	1	20.79	23.00	Pass
					25	19.61	1	20.61	23.00	Pass
	50				19.57	1	20.57	23.00	Pass	
	100				19.94	1	20.94	23.00	Pass	
	100		1	0	0	20.72	1	21.72	23.00	Pass
					50	21	1	22	23.00	Pass
					99	21.04	1	22.04	23.00	Pass
		50	0	0	19.86	1	20.86	23.00	Pass	
				25	19.76	1	20.76	23.00	Pass	
				50	20.02	1	21.02	23.00	Pass	
				100	19.69	1	20.69	23.00	Pass	

Note1: EIRP=Conducted Power+Antenna Gain



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2. Frequency Stability

2.1 B48_20MHz

2.1.1 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	3.135	-0.816	-0.0002	-2.5 to 2.5	Pass	
					3.7	5.164	0.0015	-2.5 to 2.5	Pass	
					4.4	-1.005	-0.0003	-2.5 to 2.5	Pass	
				-30	3.7	-1.630	-0.0005	-2.5 to 2.5	Pass	
					-20	3.7	-0.519	-0.0001	-2.5 to 2.5	Pass
					-10	3.7	1.780	0.0005	-2.5 to 2.5	Pass
				0	0	3.7	-0.694	-0.0002	-2.5 to 2.5	Pass
					10	3.7	3.567	0.0010	-2.5 to 2.5	Pass
					30	3.7	2.092	0.0006	-2.5 to 2.5	Pass
	40	3.7	0.812		0.0002	-2.5 to 2.5	Pass			
	50	3.7	-1.516		-0.0004	-2.5 to 2.5	Pass			
	3625	100	0		20	3.135	21.317	0.0059	-2.5 to 2.5	Pass
				3.7		3.947	0.0011	-2.5 to 2.5	Pass	
				4.4		0.406	0.0001	-2.5 to 2.5	Pass	
				-30	3.7	0.948	0.0003	-2.5 to 2.5	Pass	
					-20	3.7	-0.231	-0.0001	-2.5 to 2.5	Pass
					-10	3.7	3.454	0.0010	-2.5 to 2.5	Pass
				0	0	3.7	1.898	0.0005	-2.5 to 2.5	Pass
					10	3.7	2.101	0.0006	-2.5 to 2.5	Pass
					30	3.7	-0.235	-0.0001	-2.5 to 2.5	Pass
	40	3.7	1.420		0.0004	-2.5 to 2.5	Pass			
	50	3.7	0.418		0.0001	-2.5 to 2.5	Pass			
	3690	100	0		20	3.135	-0.124	0.0000	-2.5 to 2.5	Pass
				3.7		-0.350	-0.0001	-2.5 to 2.5	Pass	
				4.4		-4.059	-0.0011	-2.5 to 2.5	Pass	
				-30	3.7	0.991	0.0003	-2.5 to 2.5	Pass	
					-20	3.7	0.205	0.0001	-2.5 to 2.5	Pass
-10					3.7	3.821	0.0010	-2.5 to 2.5	Pass	
0				0	3.7	4.185	0.0011	-2.5 to 2.5	Pass	
				10	3.7	-3.707	-0.0010	-2.5 to 2.5	Pass	
				30	3.7	-1.314	-0.0004	-2.5 to 2.5	Pass	
	40	3.7	1.608	0.0004	-2.5 to 2.5	Pass				
	50	3.7	4.616	0.0013	-2.5 to 2.5	Pass				



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3. 99% & 26dB Bandwidth

3.1 Band48_OBW

3.1.1 Test Result

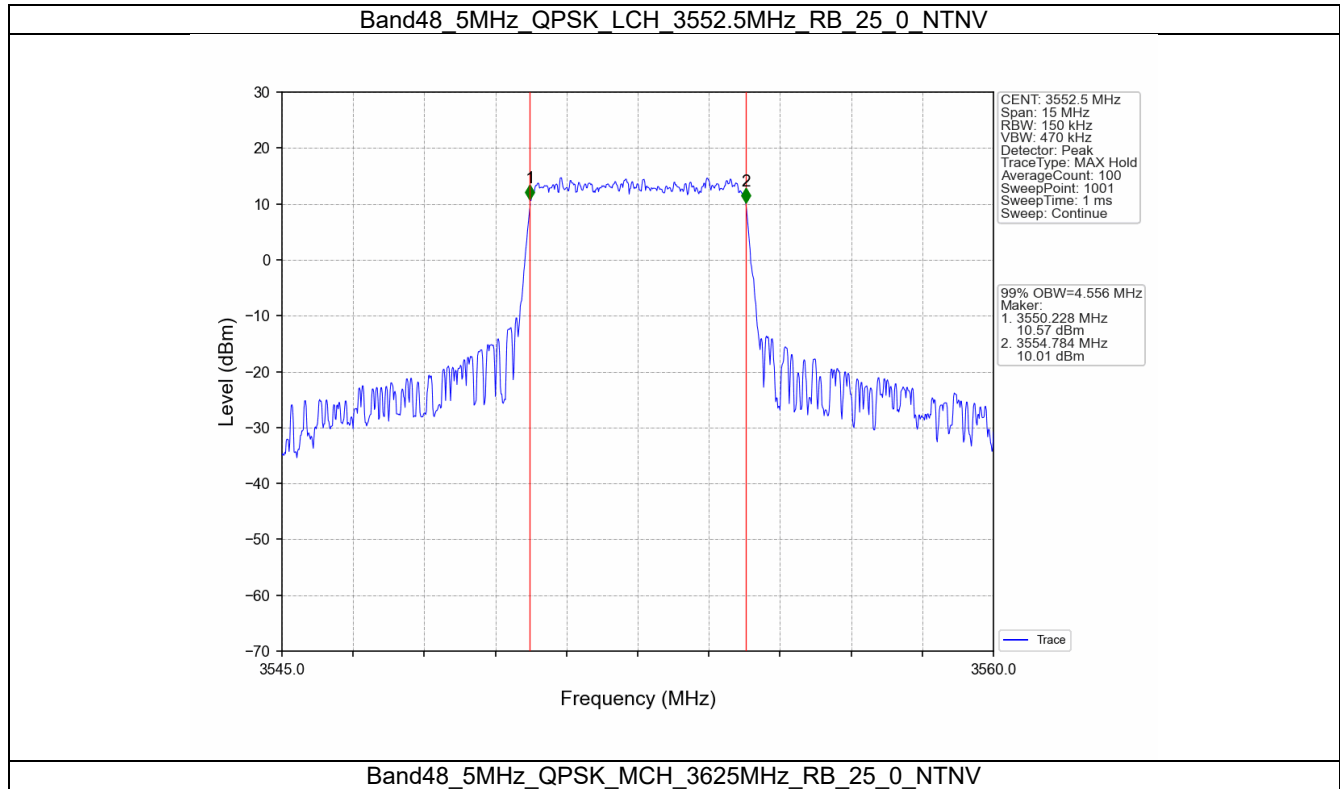
Band: 48 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3552.5	25	0	4.556	/	Pass
		3625	25	0	4.528	/	Pass
		3697.5	25	0	4.568	/	Pass
	16QAM	3552.5	25	0	4.570	/	Pass
		3625	25	0	4.563	/	Pass
		3697.5	25	0	4.548	/	Pass
10	QPSK	3555	50	0	9.057	/	Pass
		3625	50	0	9.027	/	Pass
		3695	50	0	9.050	/	Pass
	16QAM	3555	50	0	9.061	/	Pass
		3625	50	0	9.041	/	Pass
		3695	50	0	9.028	/	Pass
15	QPSK	3557.5	75	0	13.596	/	Pass
		3625	75	0	13.589	/	Pass
		3692.5	75	0	13.503	/	Pass
	16QAM	3557.5	75	0	13.535	/	Pass
		3625	75	0	13.571	/	Pass
		3692.5	75	0	13.606	/	Pass
20	QPSK	3560	100	0	18.066	/	Pass
		3625	100	0	18.075	/	Pass
		3690	100	0	18.029	/	Pass
	16QAM	3560	100	0	18.050	/	Pass
		3625	100	0	18.030	/	Pass
		3690	100	0	18.021	/	Pass



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3.1.2 Test Graph



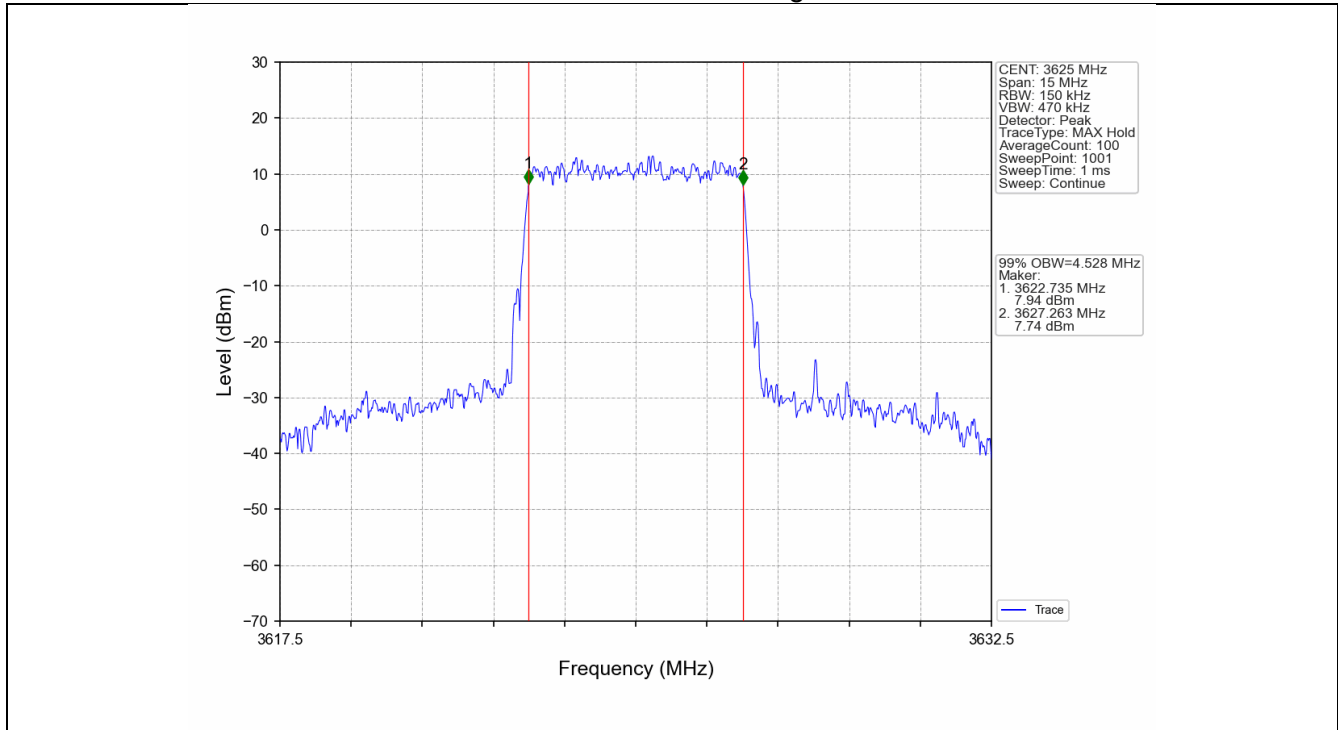
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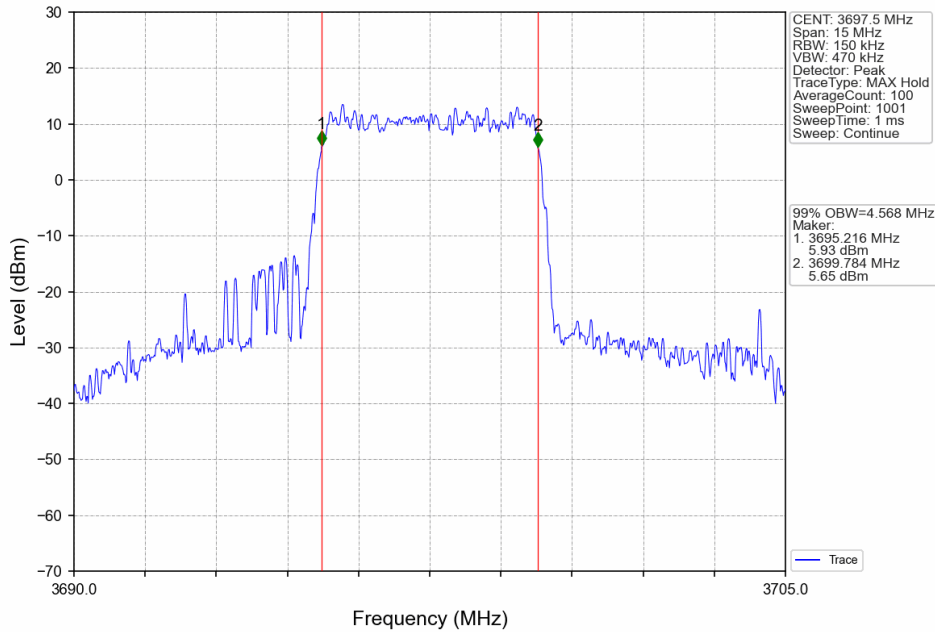
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Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



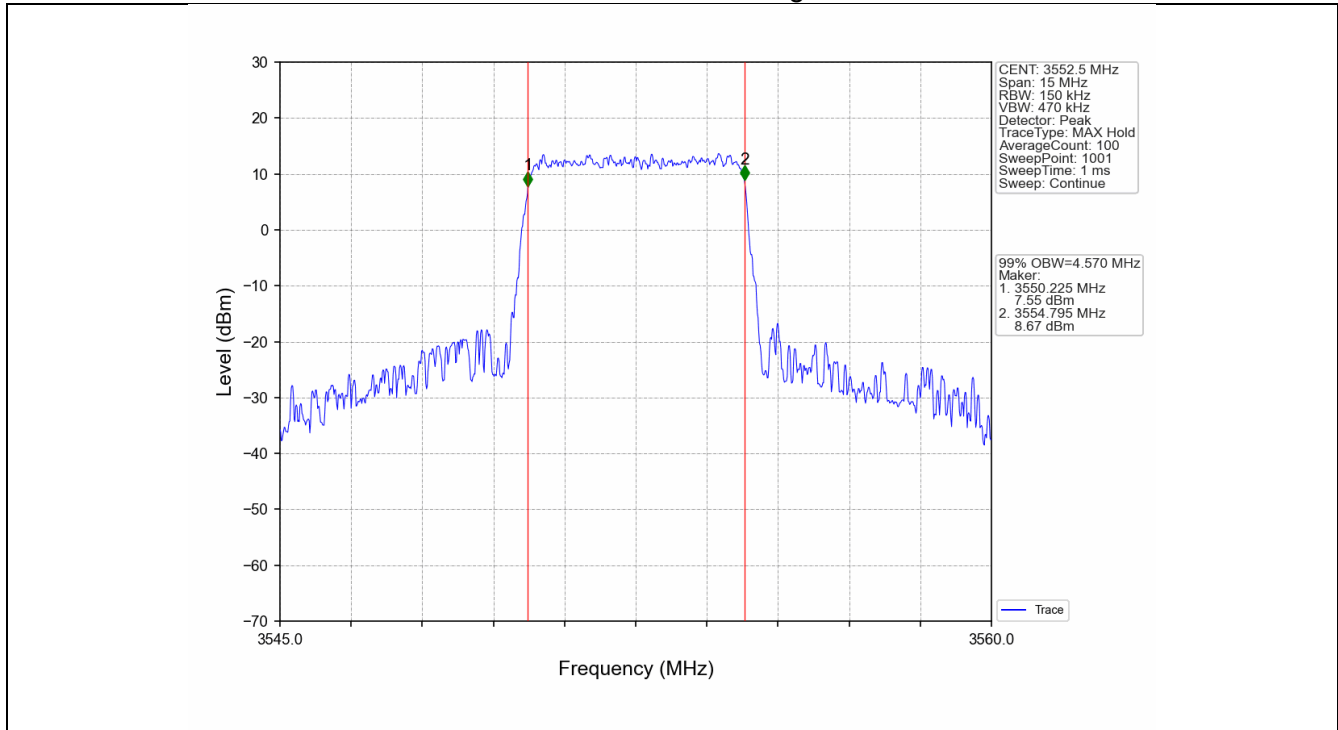
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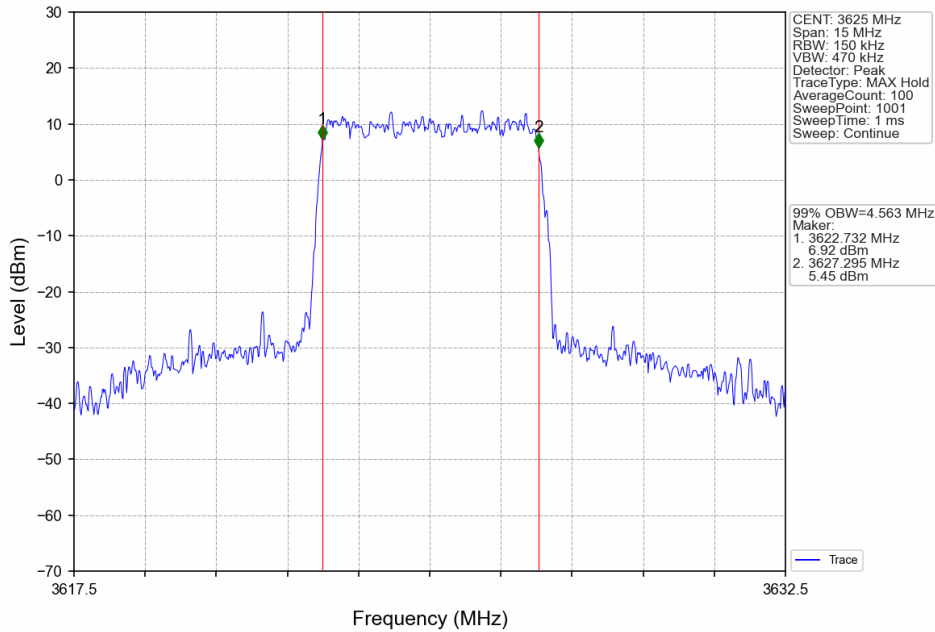
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Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV

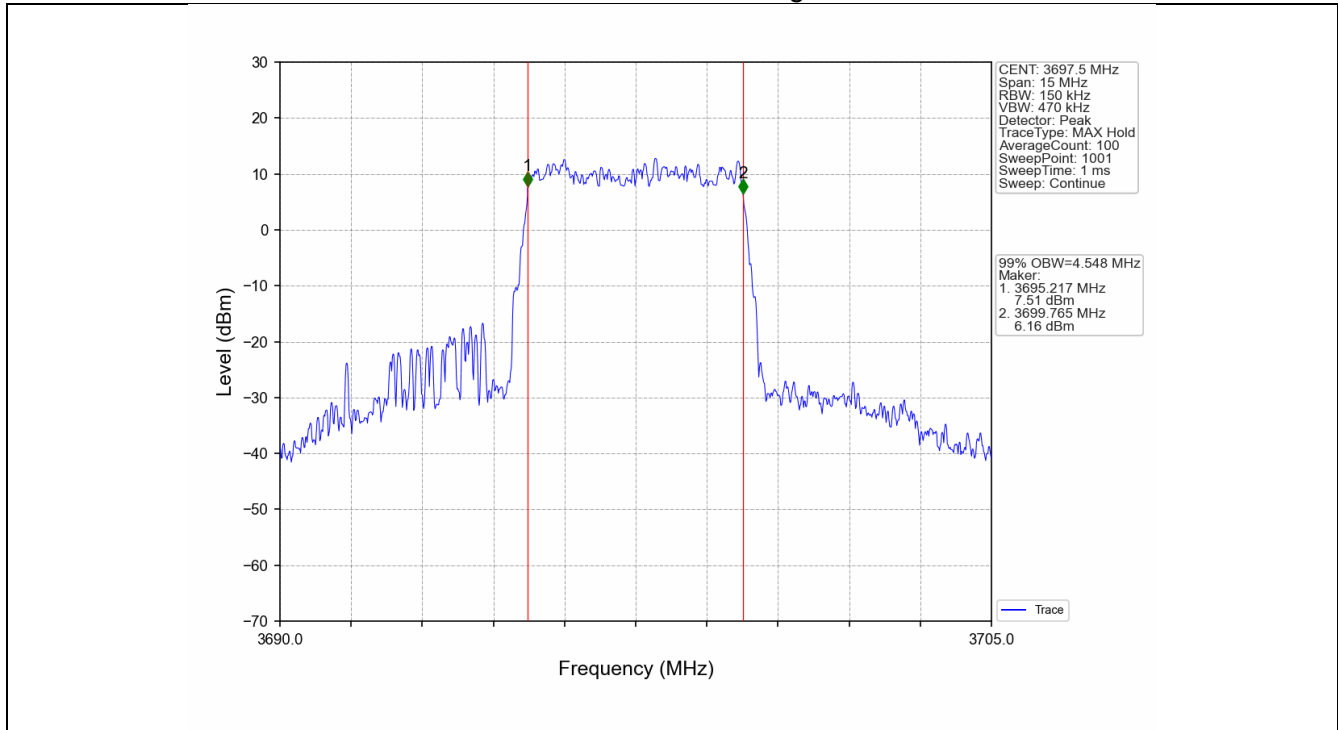


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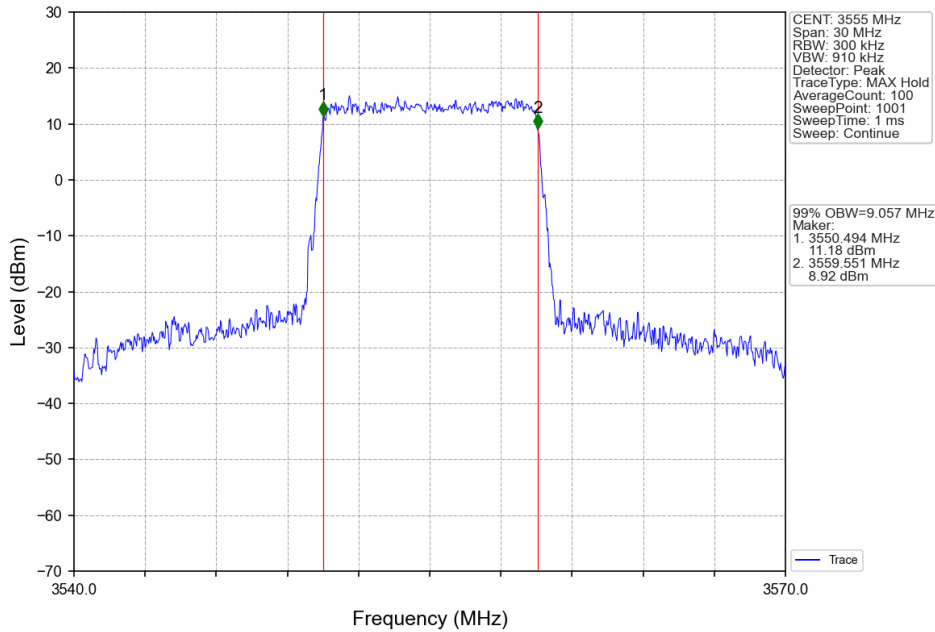
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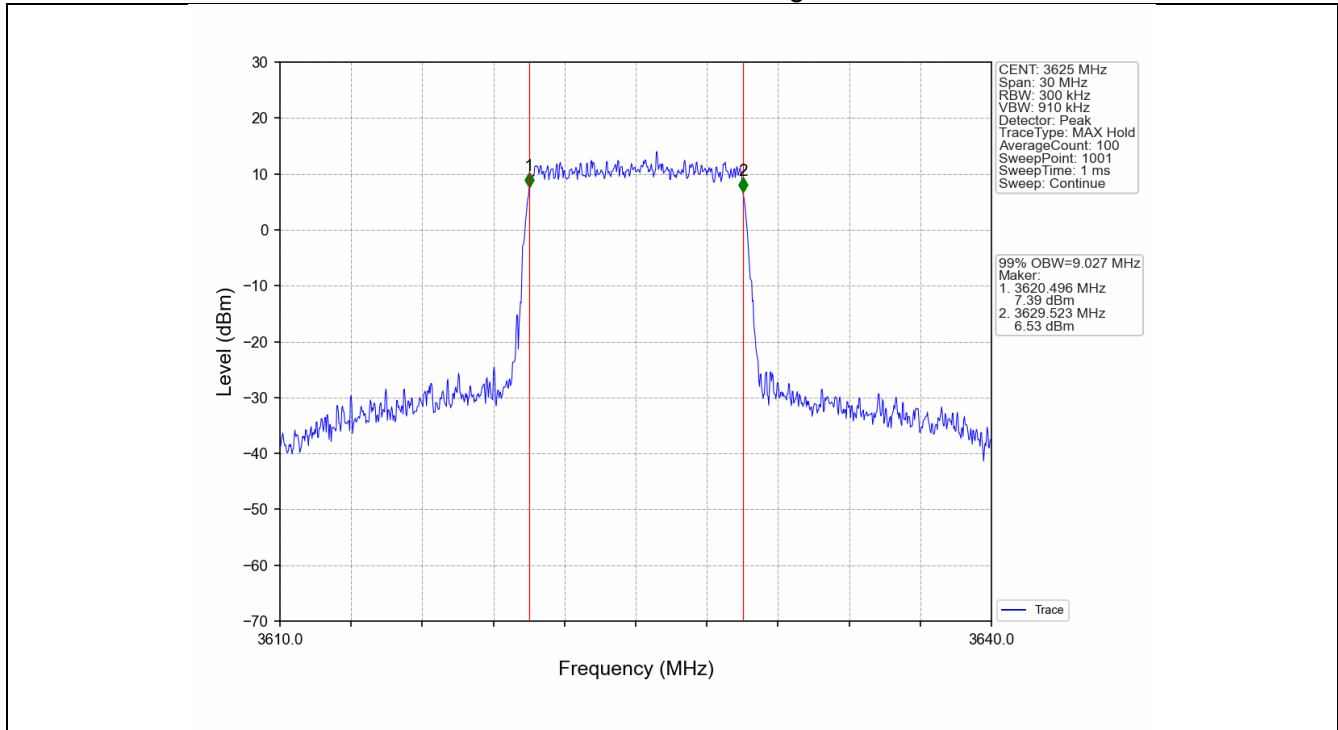


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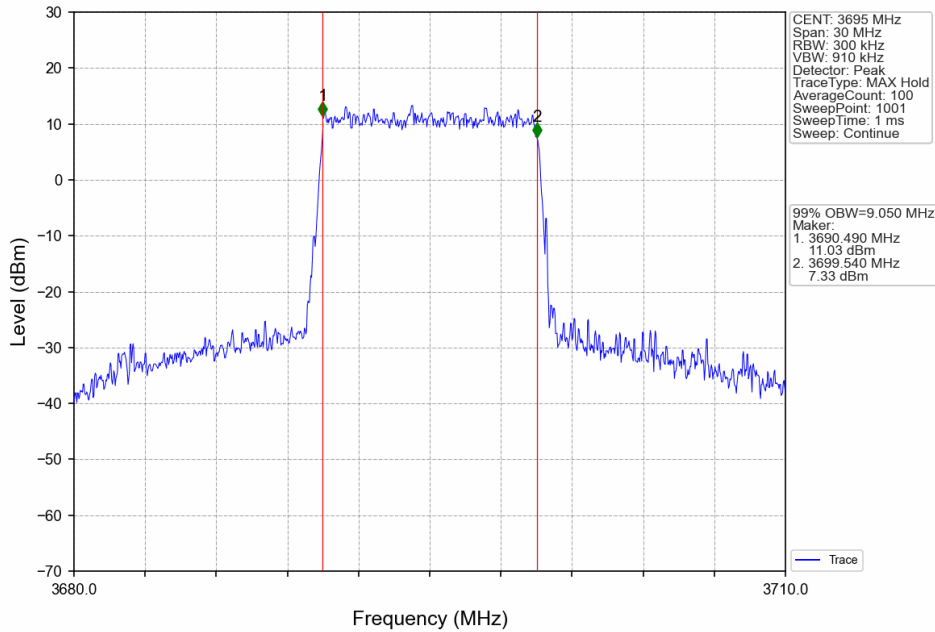
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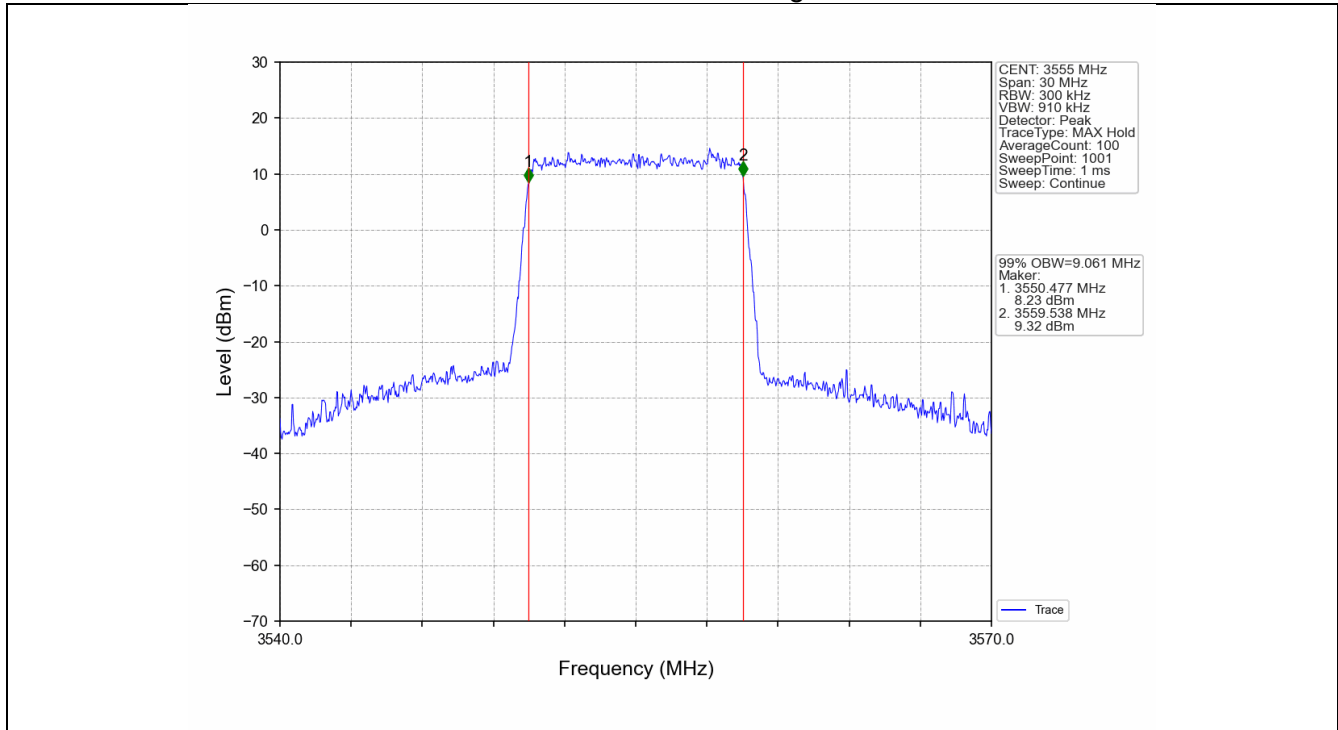


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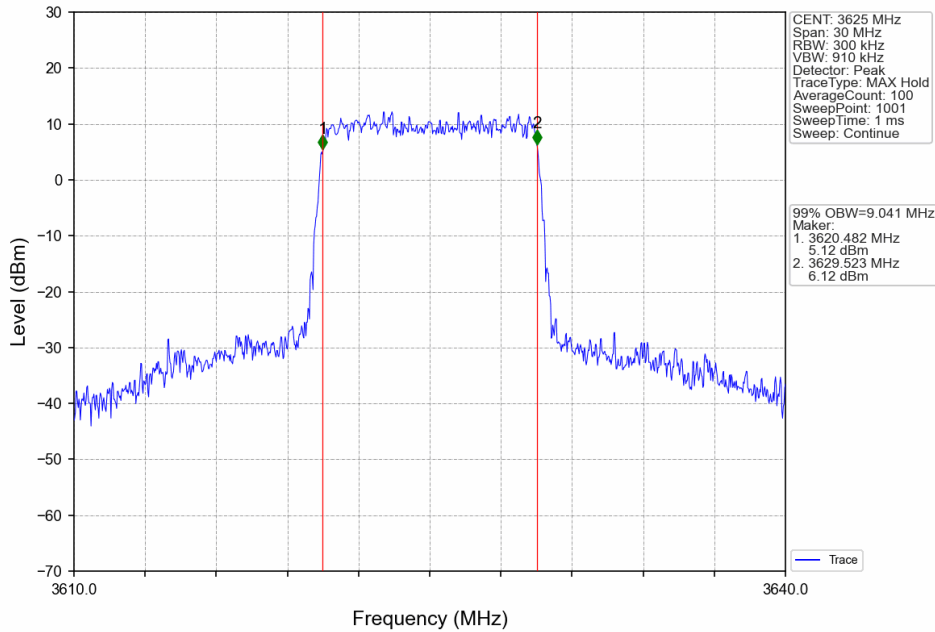


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Band48 10MHz 16QAM MCH 3625MHz RB 50 0 NTN



Band48 10MHz 16QAM HCH 3695MHz RB 50 0 NTN

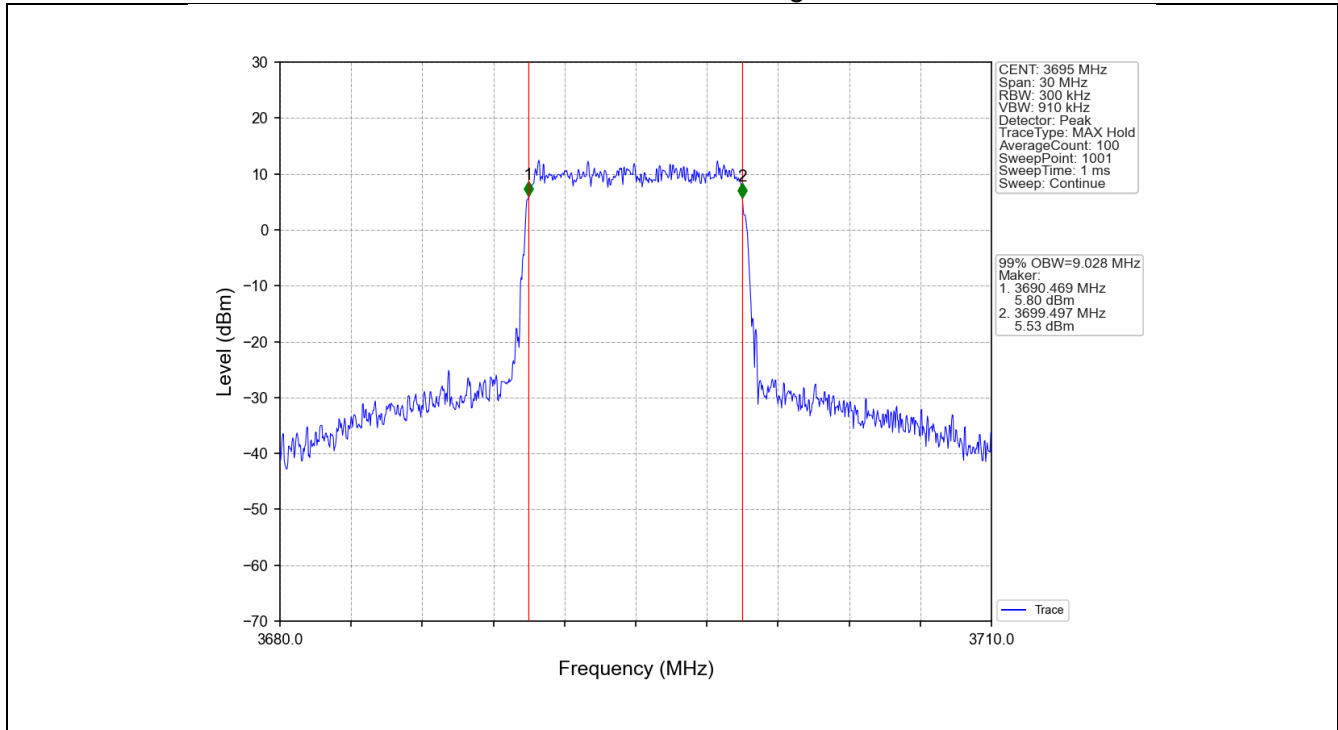


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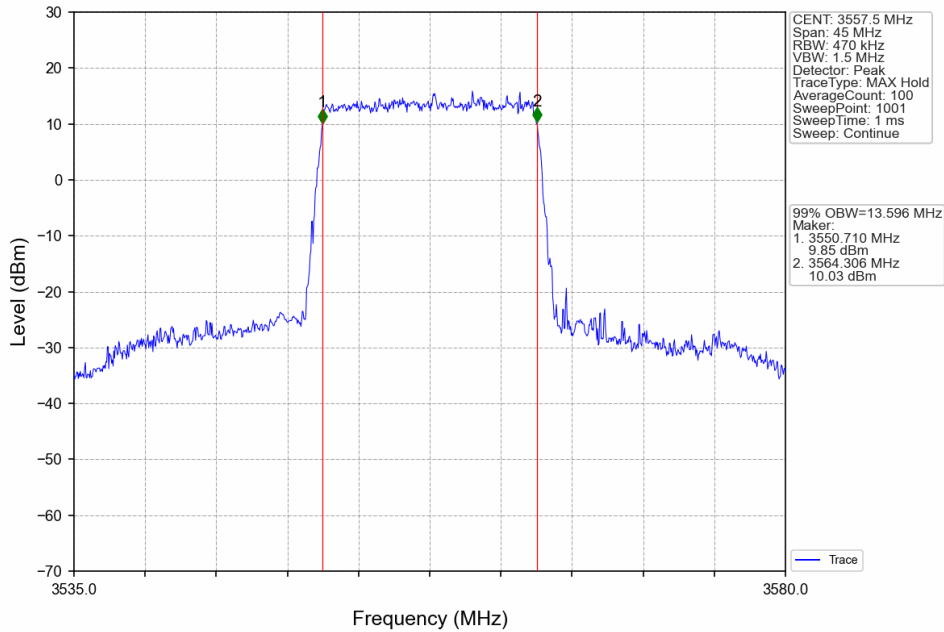
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Band48 15MHz QPSK LCH 3557.5MHz RB 75 0 NTV



Band48 15MHz QPSK MCH 3625MHz RB 75 0 NTV



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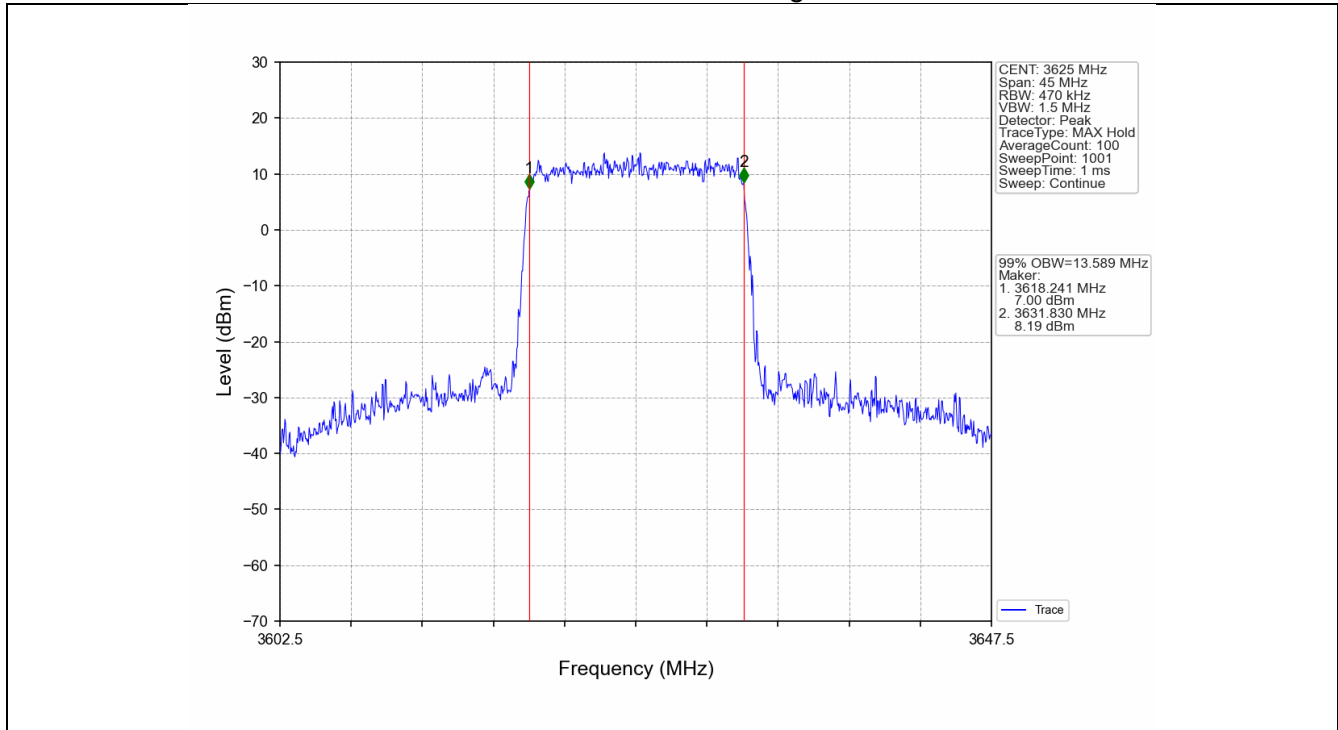
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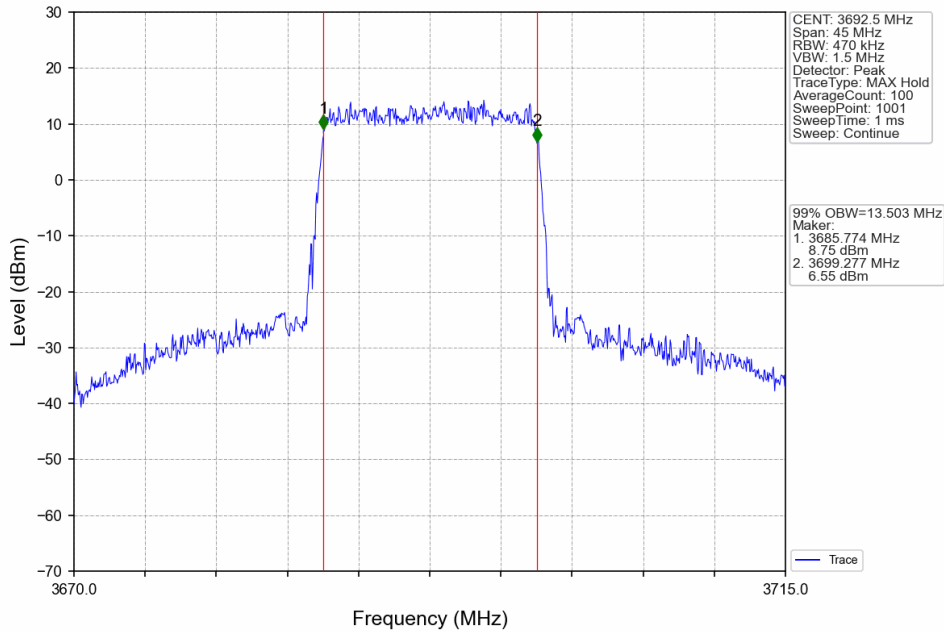
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Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV



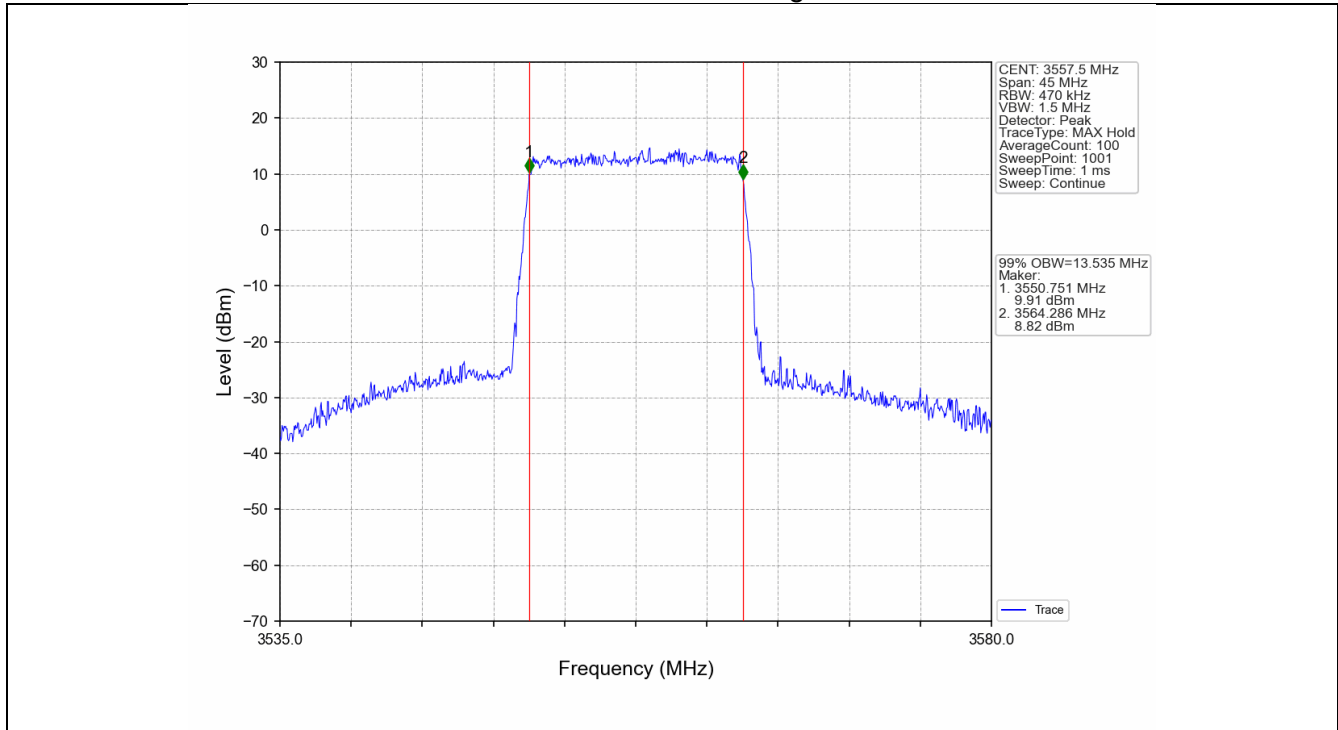
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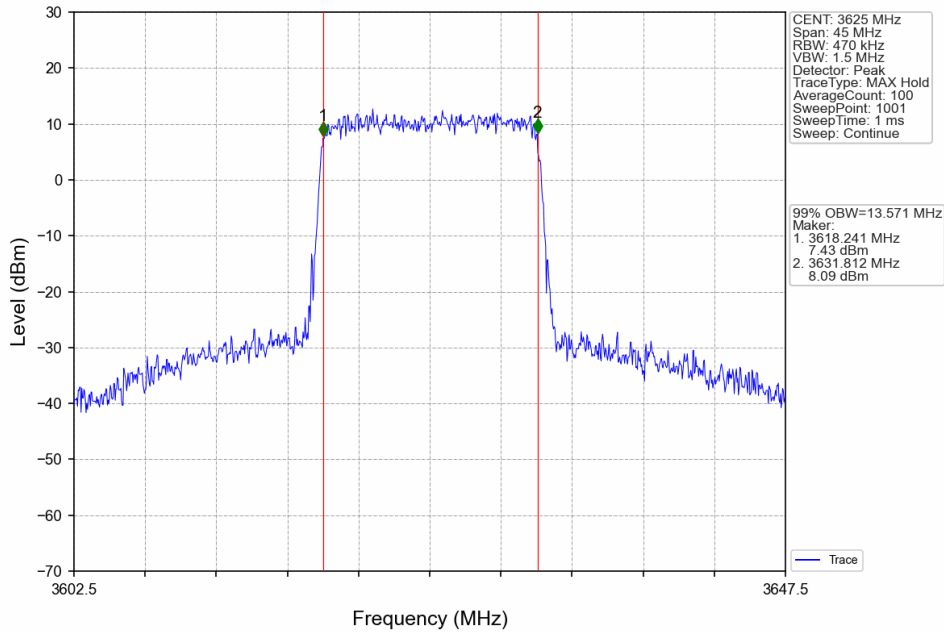
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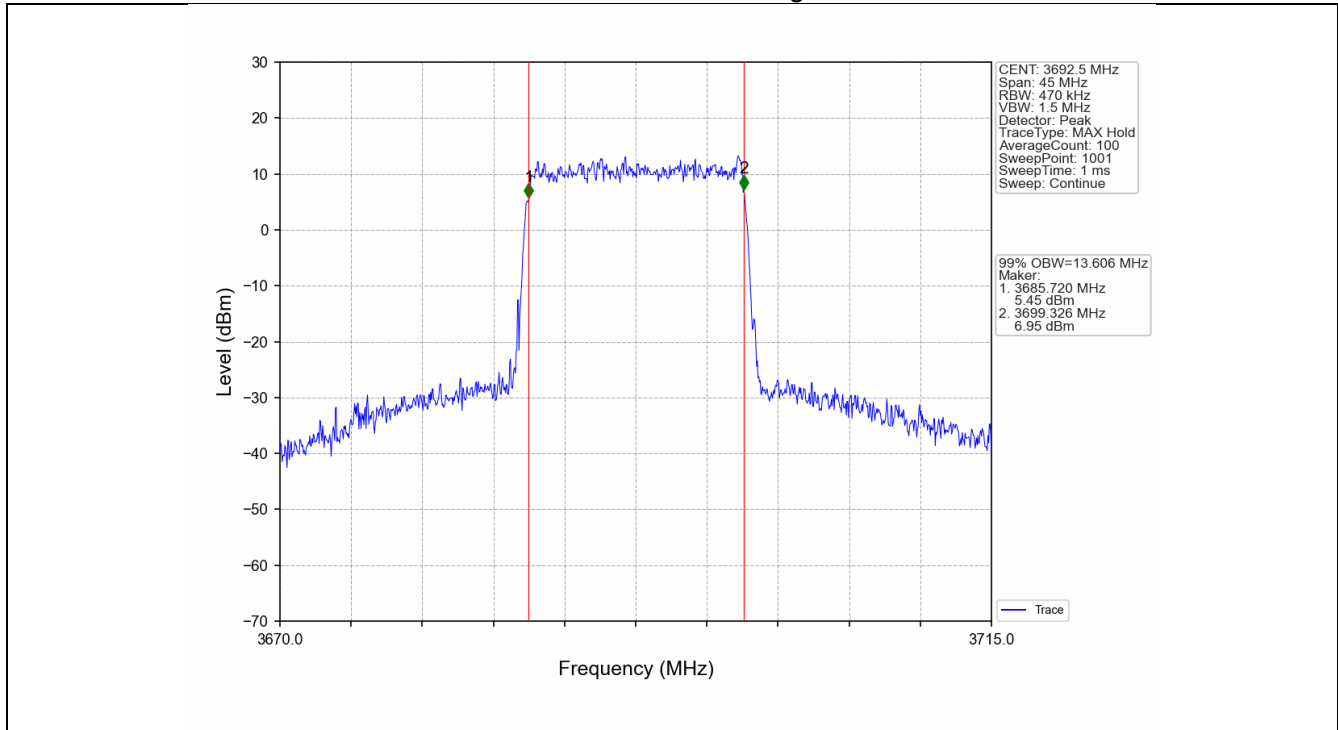
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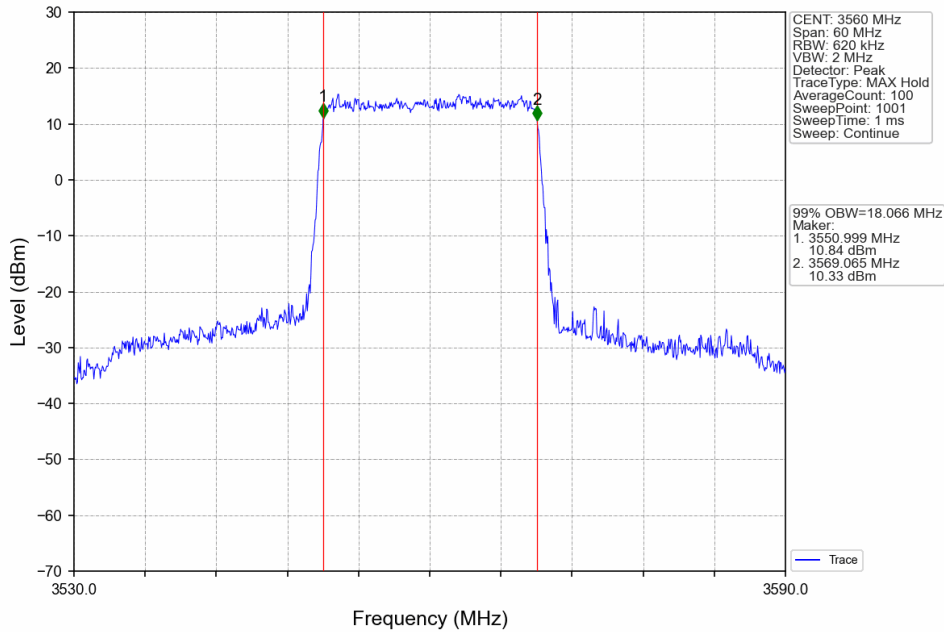
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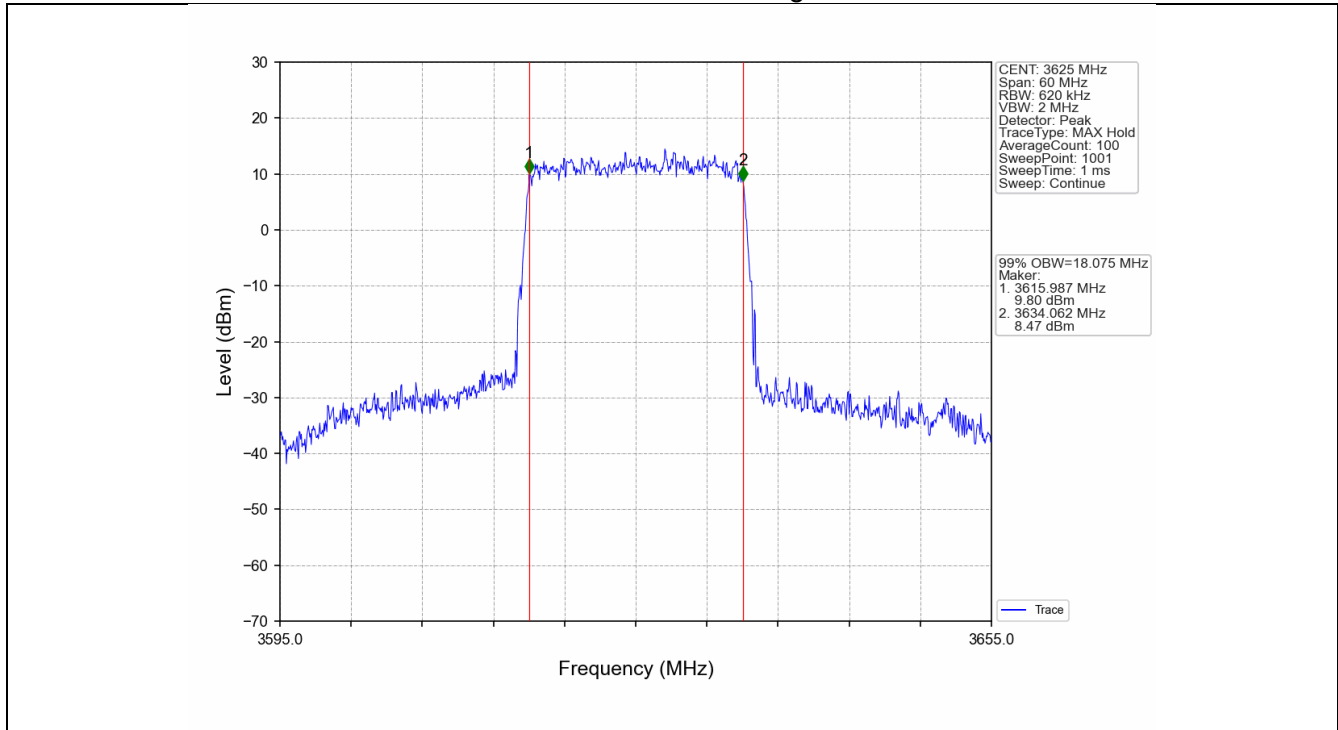
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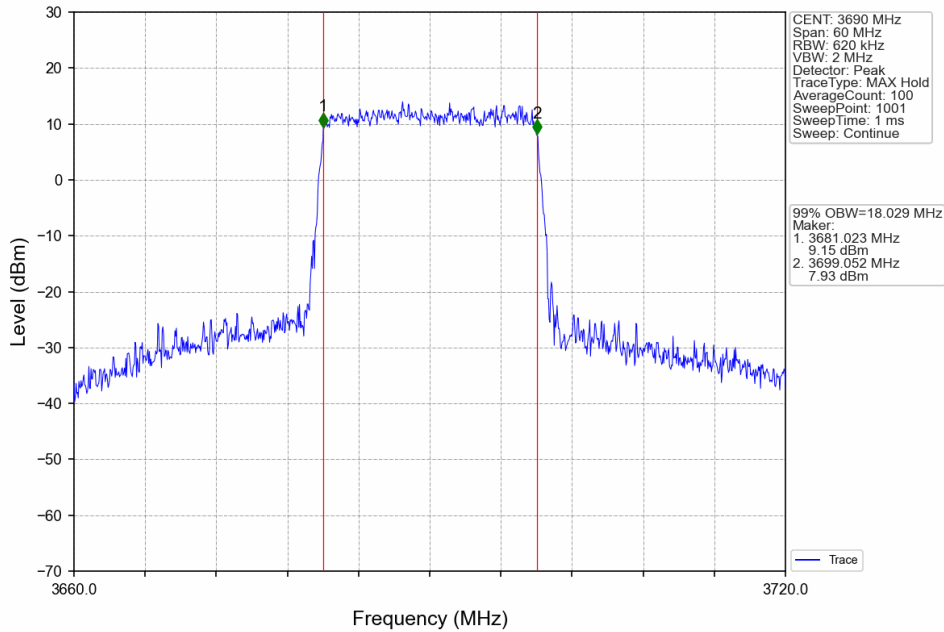
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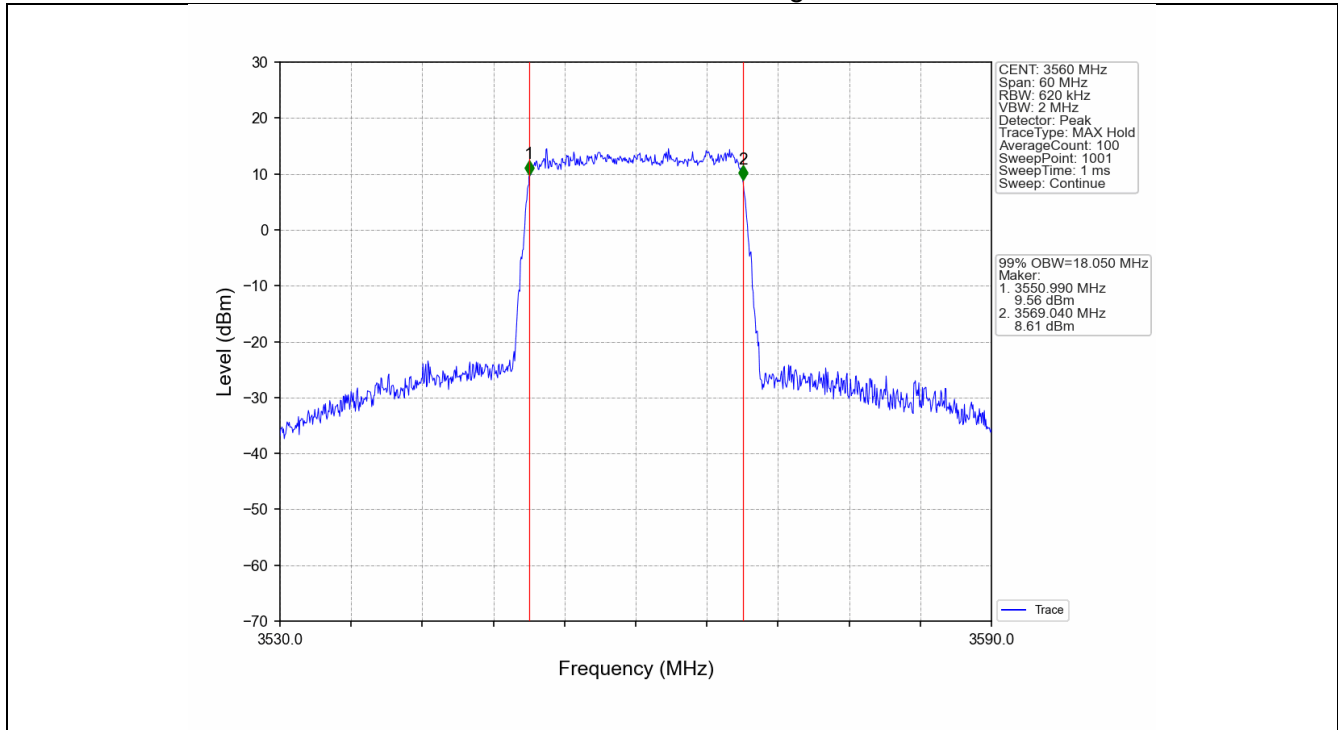
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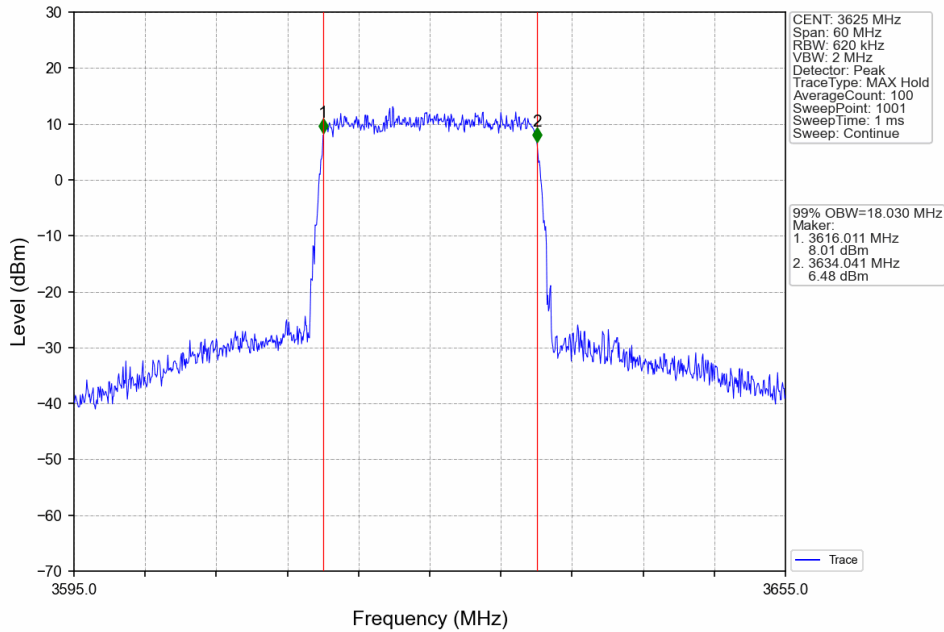
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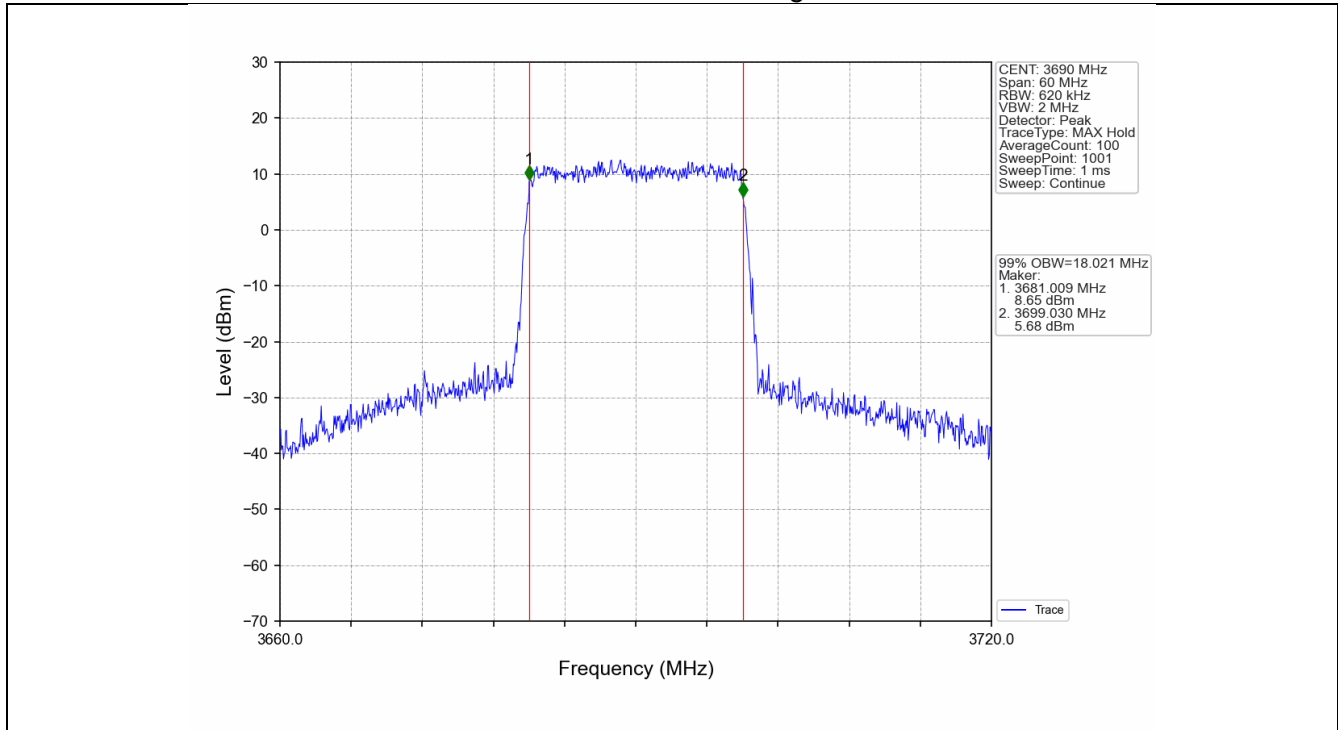
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3.2 Band48_XDB

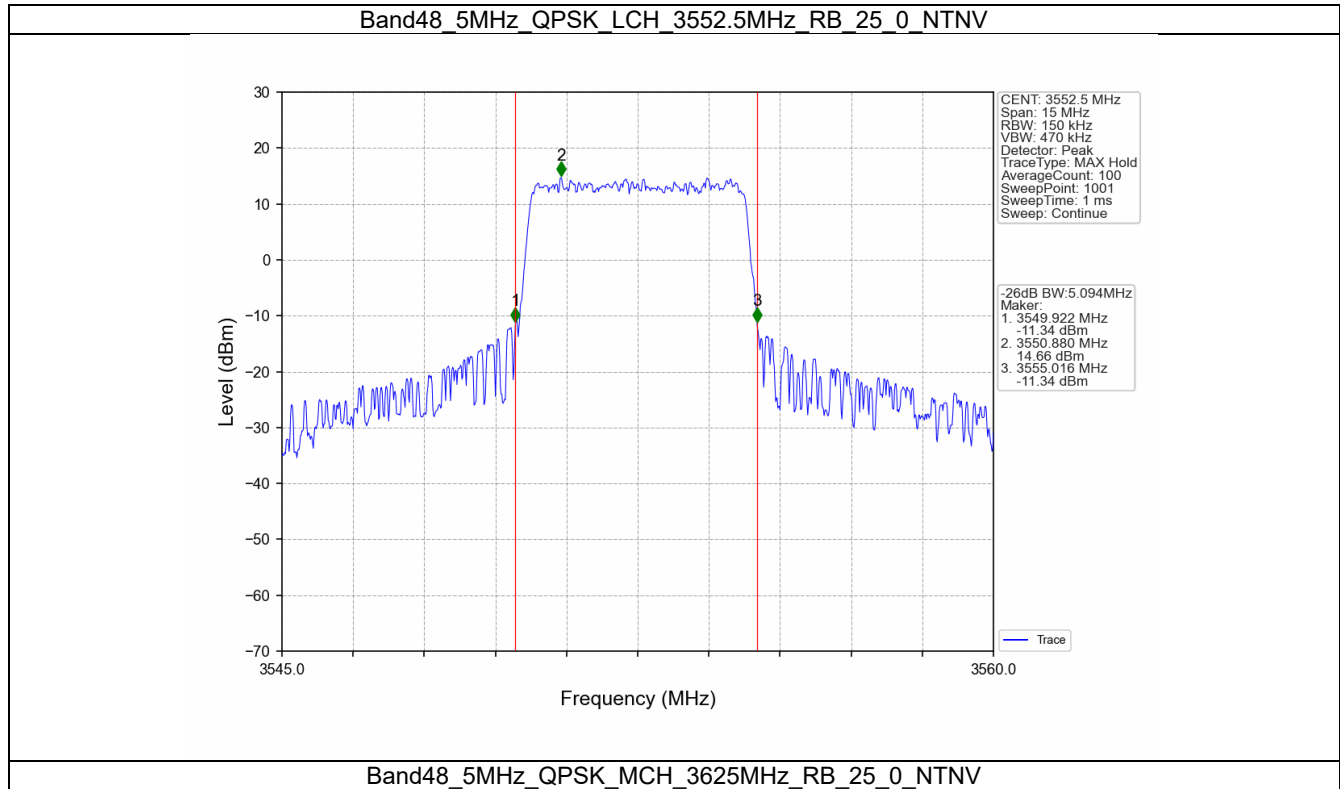
3.2.1 Test Result

Band: 48 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3552.5	25	0	5.094	/	Pass
		3625	25	0	4.969	/	Pass
		3697.5	25	0	5.033	/	Pass
	16QAM	3552.5	25	0	5.098	/	Pass
		3625	25	0	4.991	/	Pass
		3697.5	25	0	5.123	/	Pass
10	QPSK	3555	50	0	10.084	/	Pass
		3625	50	0	9.742	/	Pass
		3695	50	0	9.902	/	Pass
	16QAM	3555	50	0	9.927	/	Pass
		3625	50	0	9.783	/	Pass
		3695	50	0	9.745	/	Pass
15	QPSK	3557.5	75	0	14.943	/	Pass
		3625	75	0	14.705	/	Pass
		3692.5	75	0	14.893	/	Pass
	16QAM	3557.5	75	0	14.956	/	Pass
		3625	75	0	14.821	/	Pass
		3692.5	75	0	14.776	/	Pass
20	QPSK	3560	100	0	19.736	/	Pass
		3625	100	0	19.632	/	Pass
		3690	100	0	19.747	/	Pass
	16QAM	3560	100	0	19.812	/	Pass
		3625	100	0	19.714	/	Pass
		3690	100	0	19.630	/	Pass



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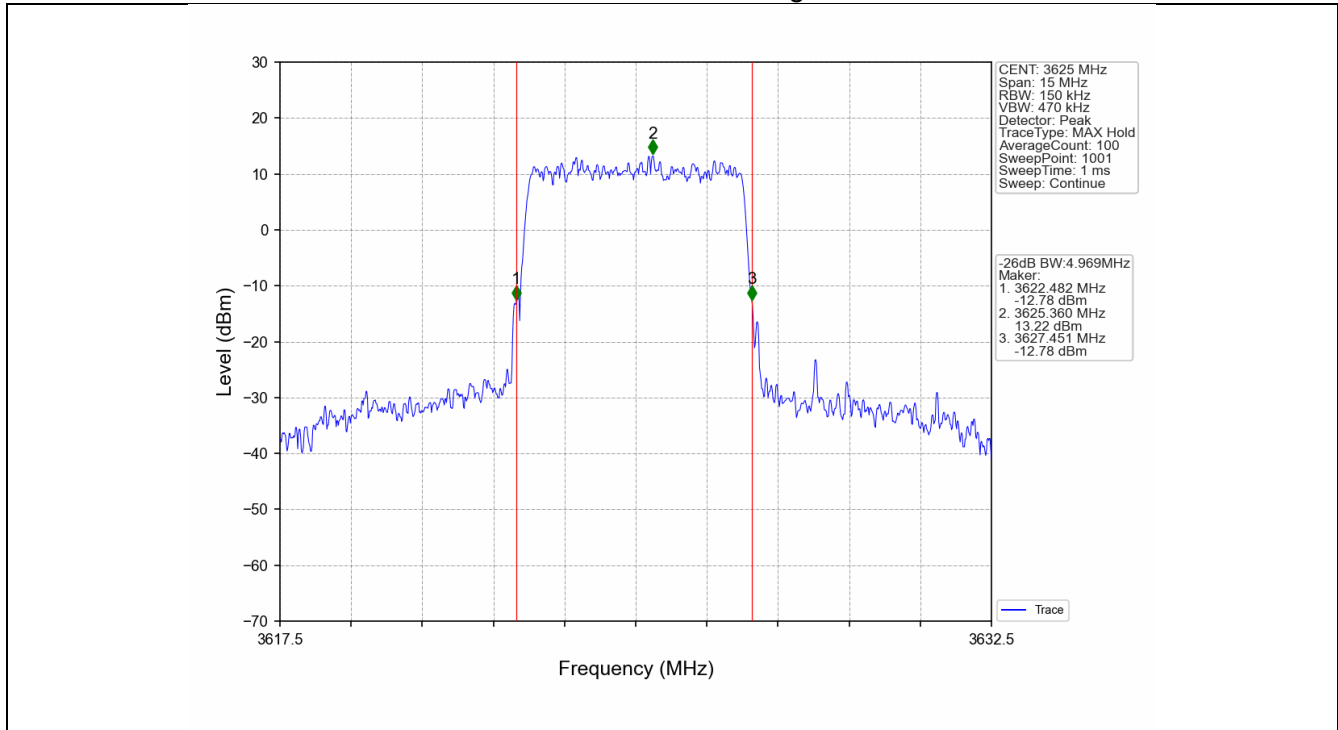
3.2.2 Test Graph



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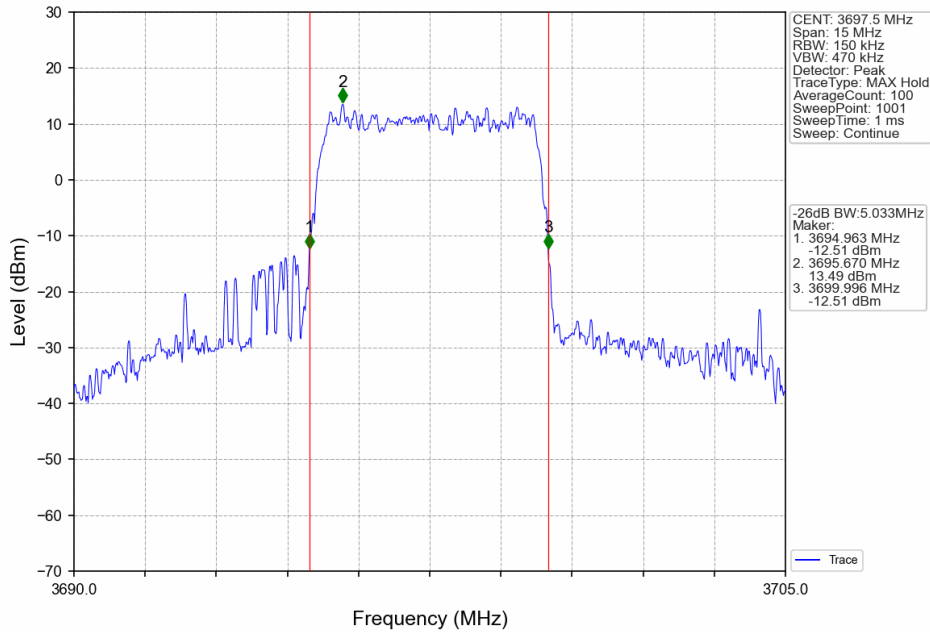
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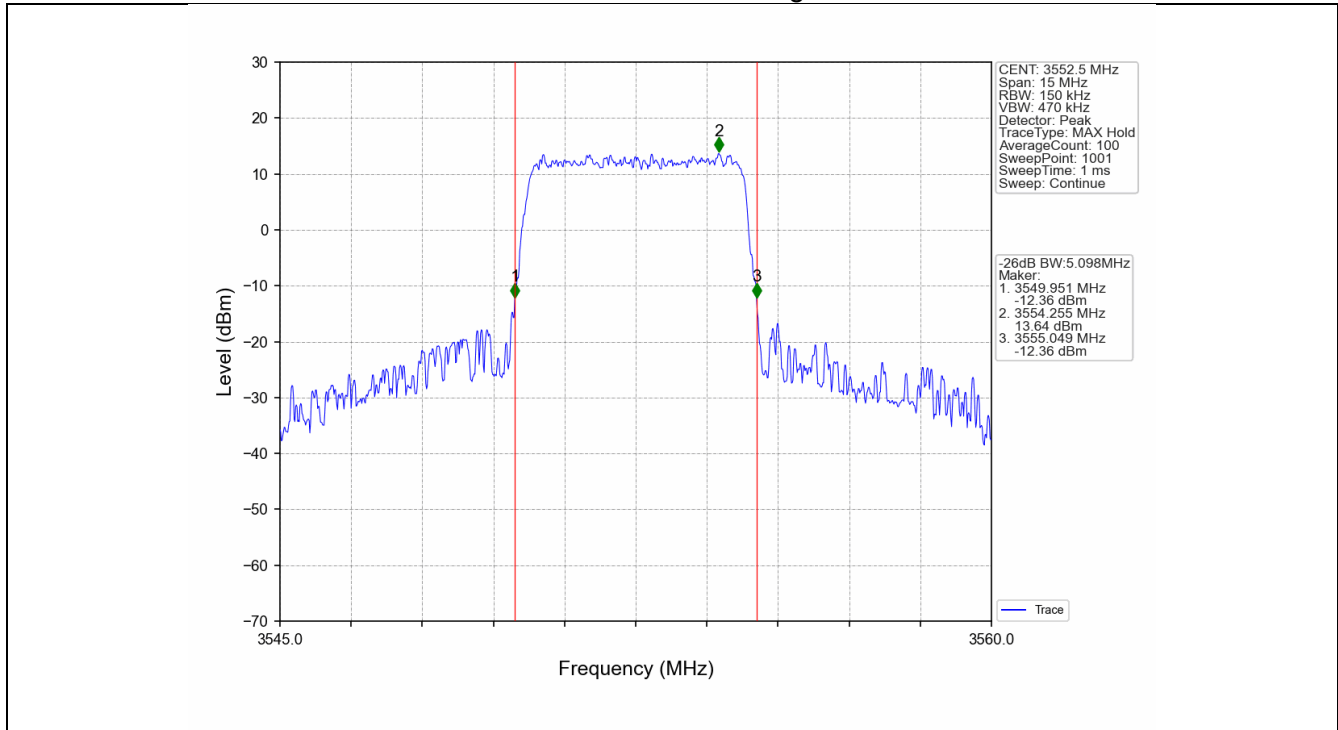
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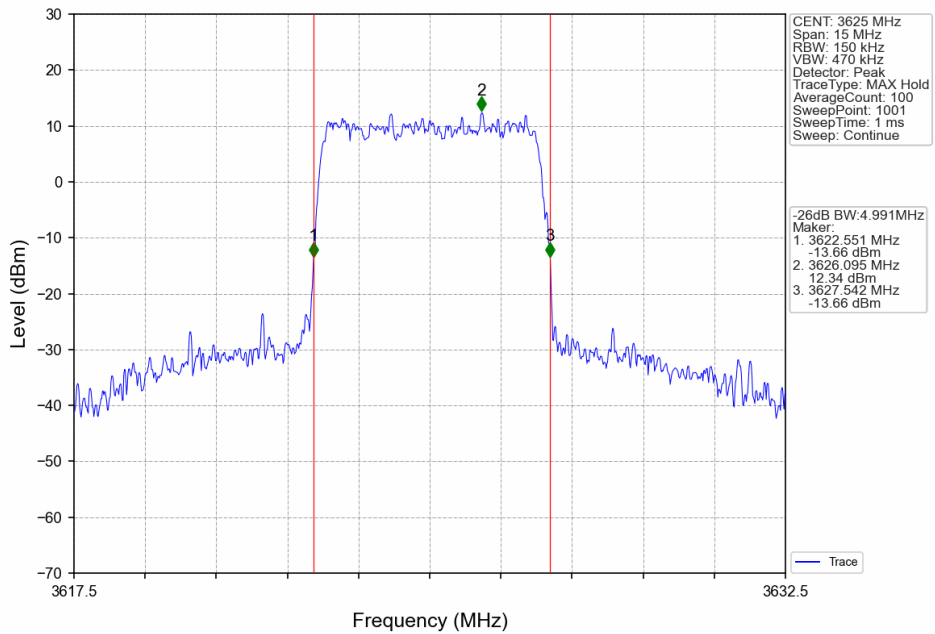
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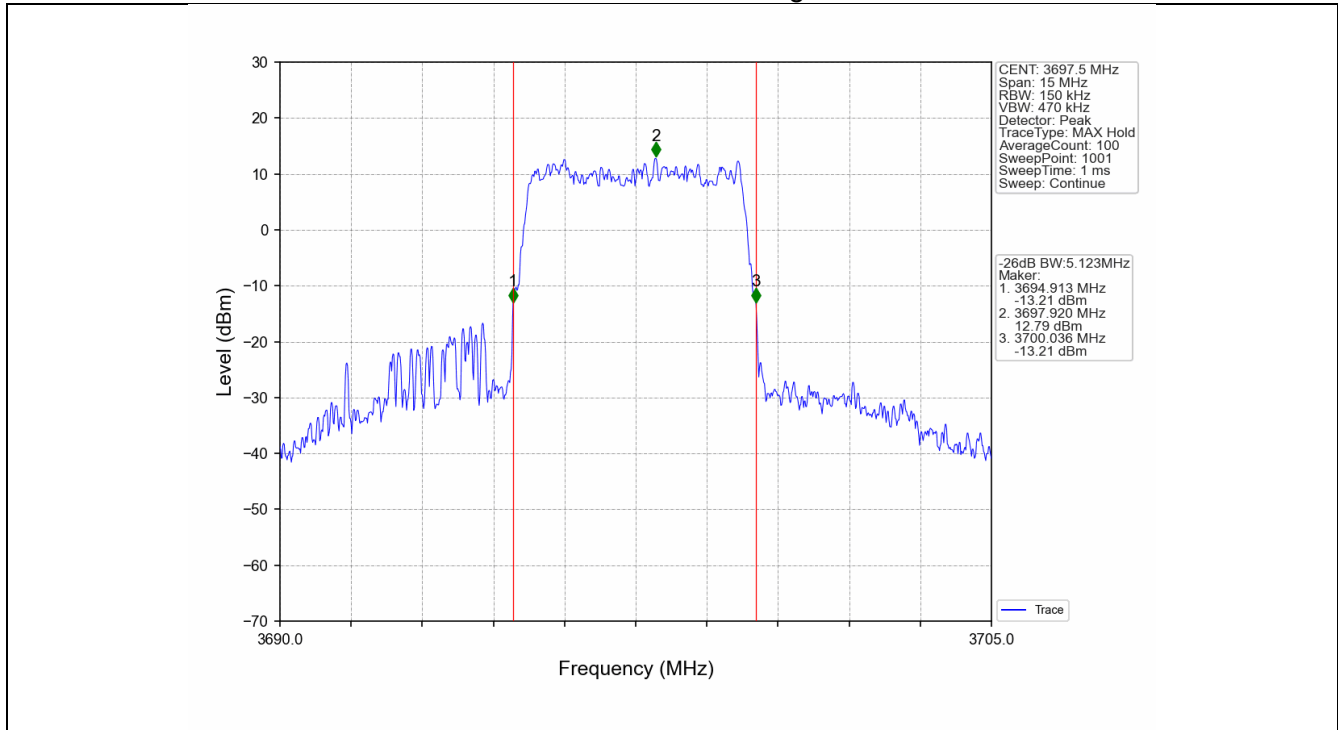
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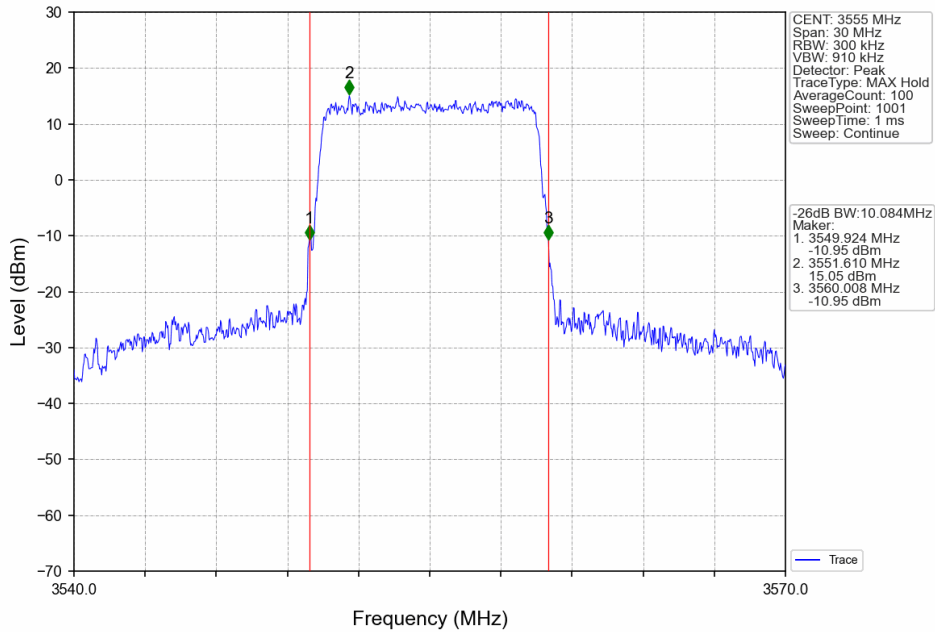
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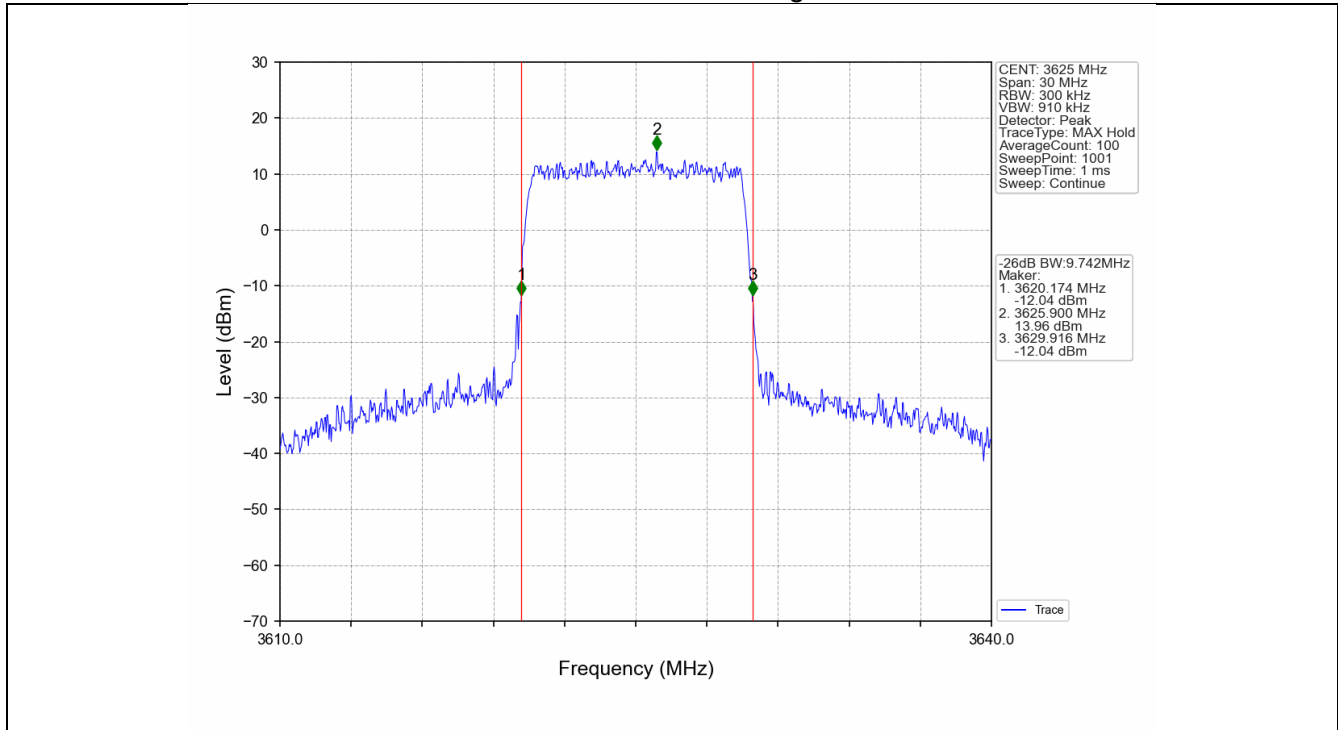
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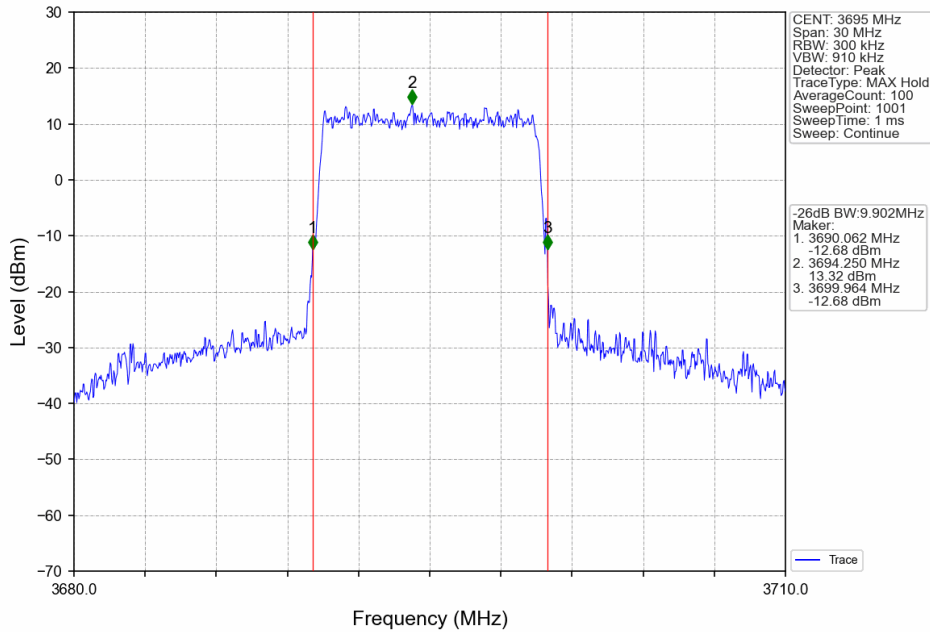


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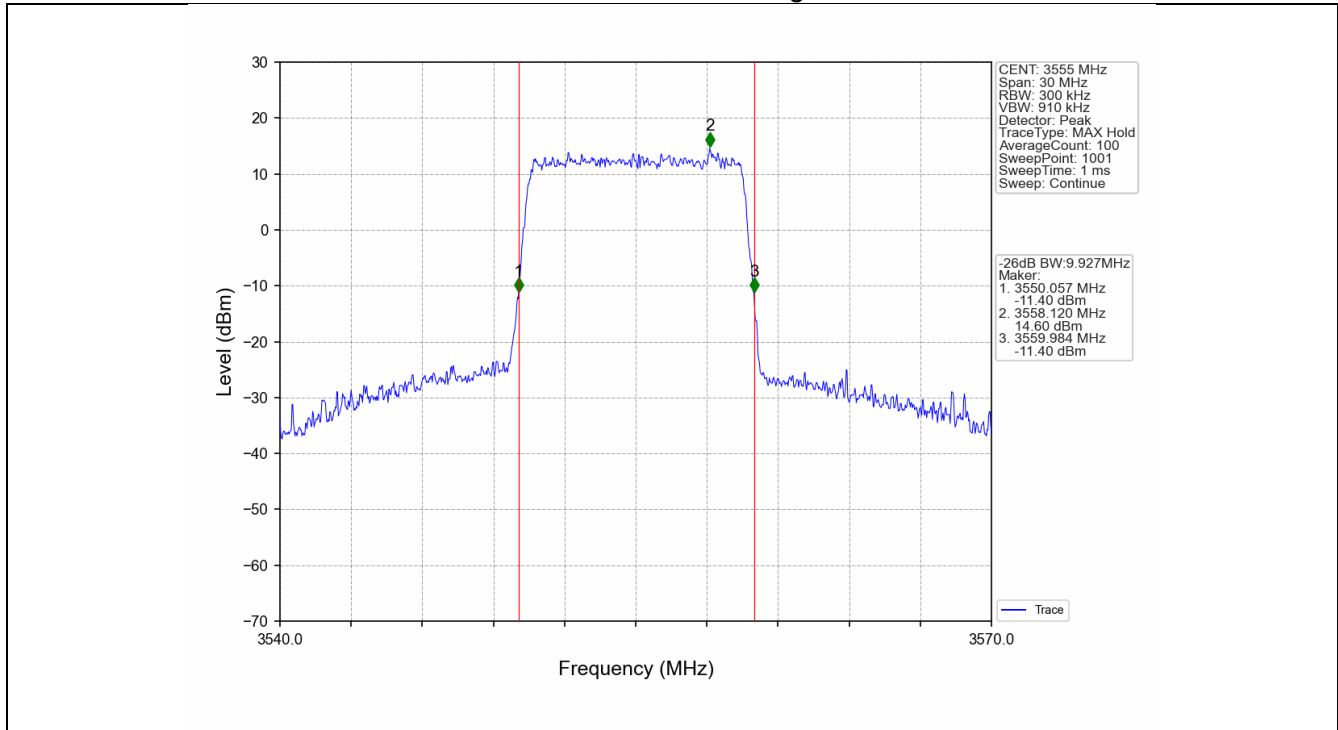
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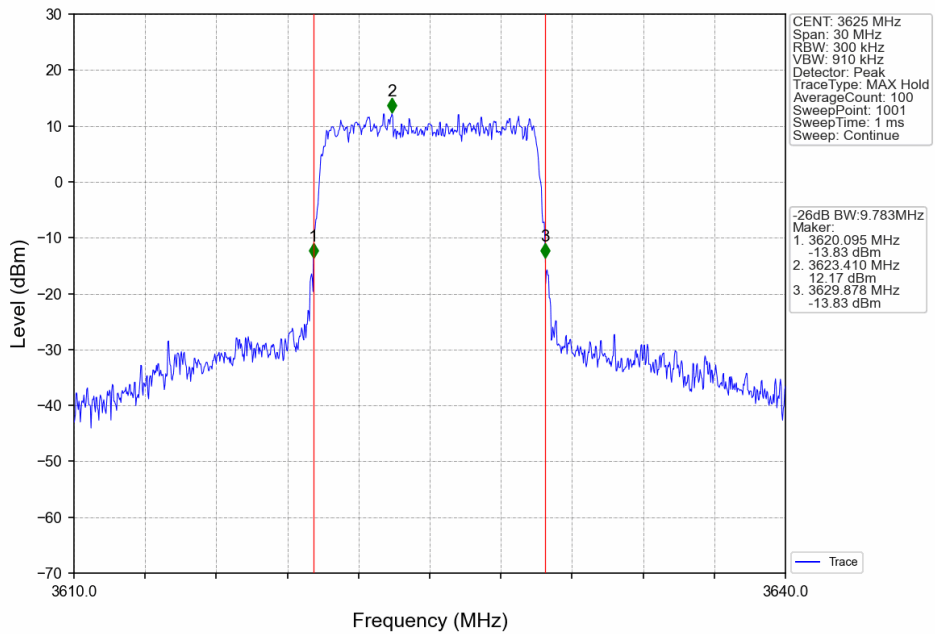


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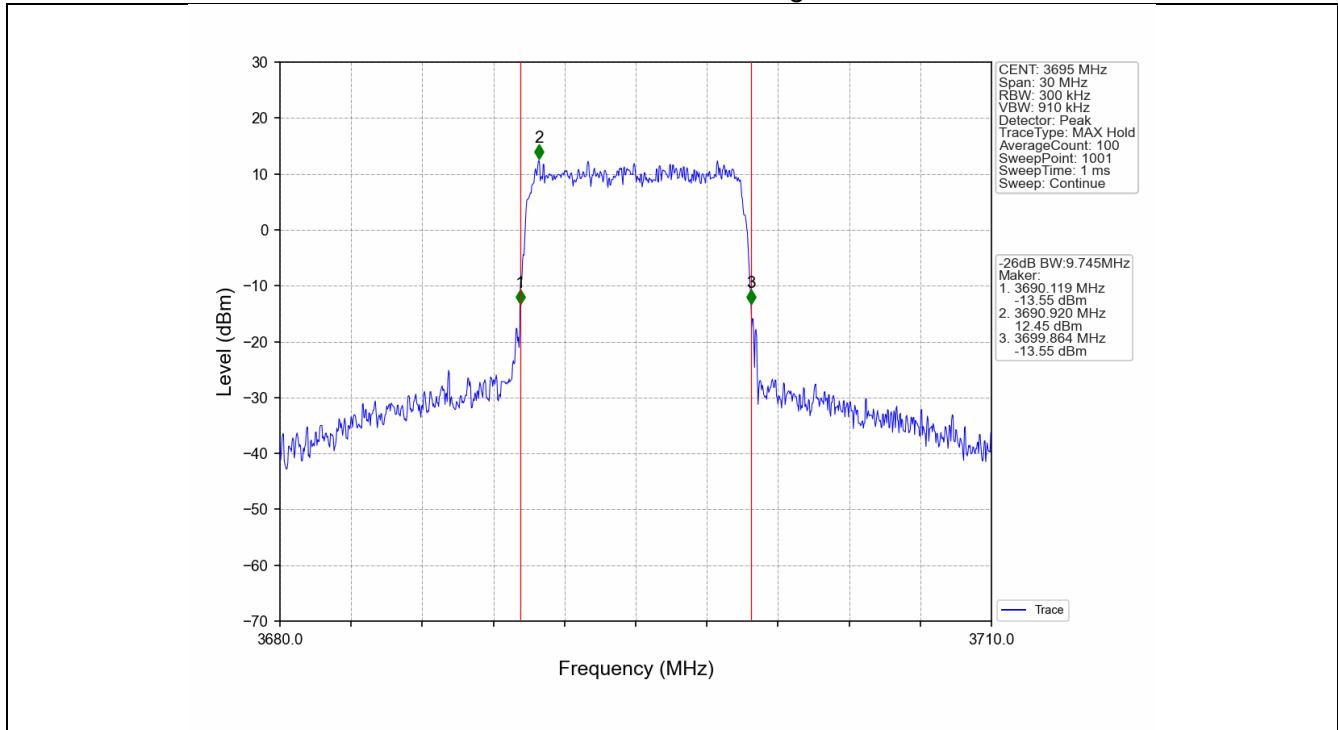
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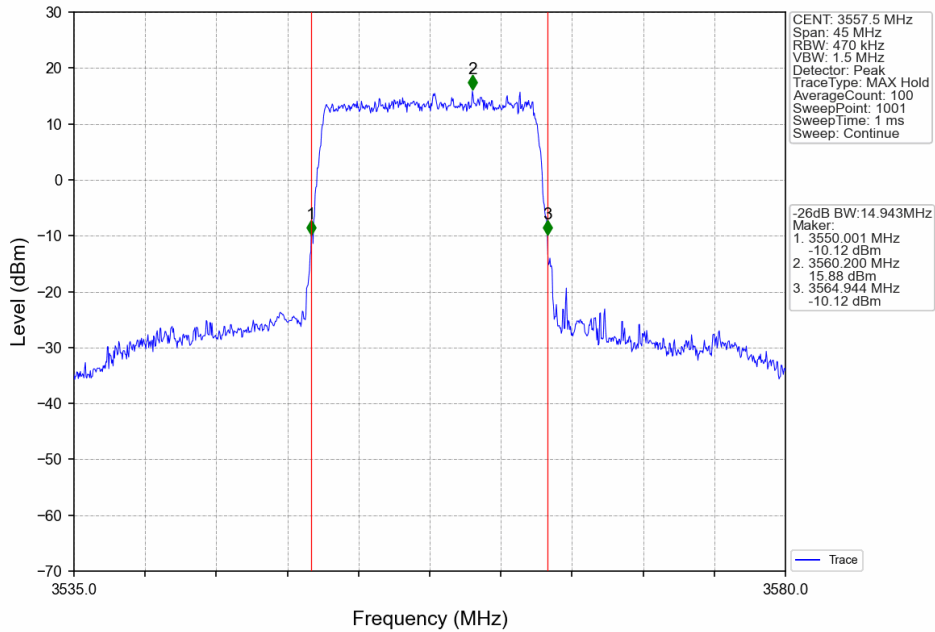
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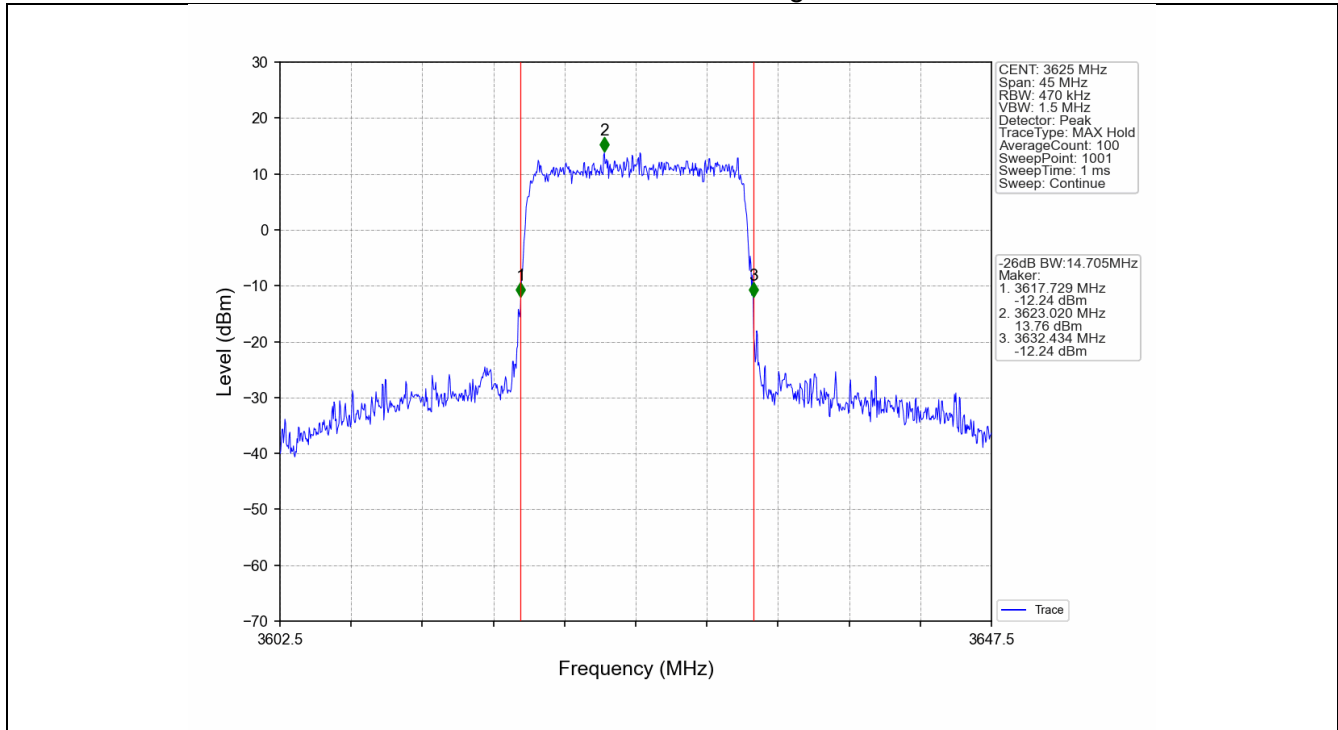
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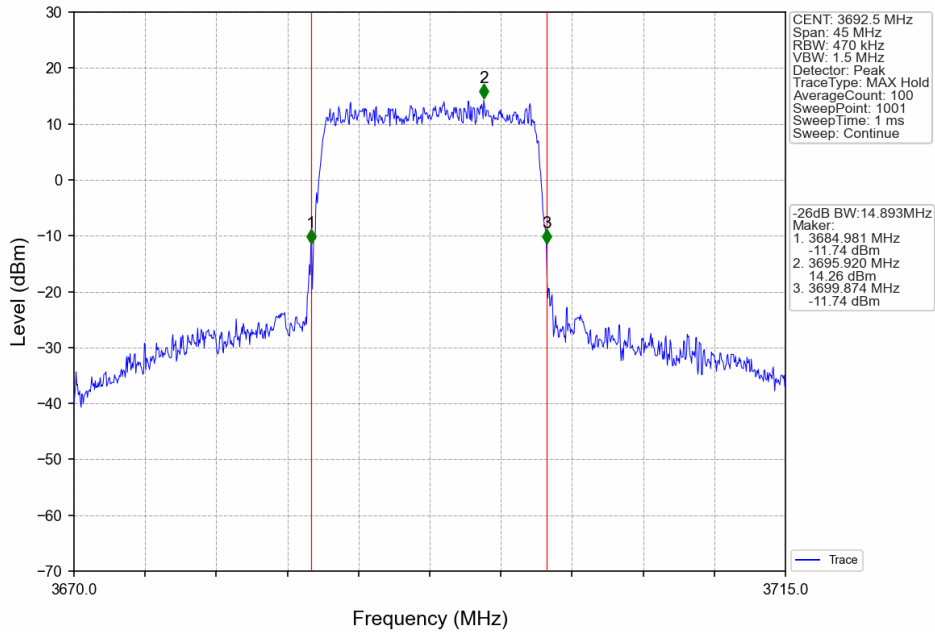
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Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV



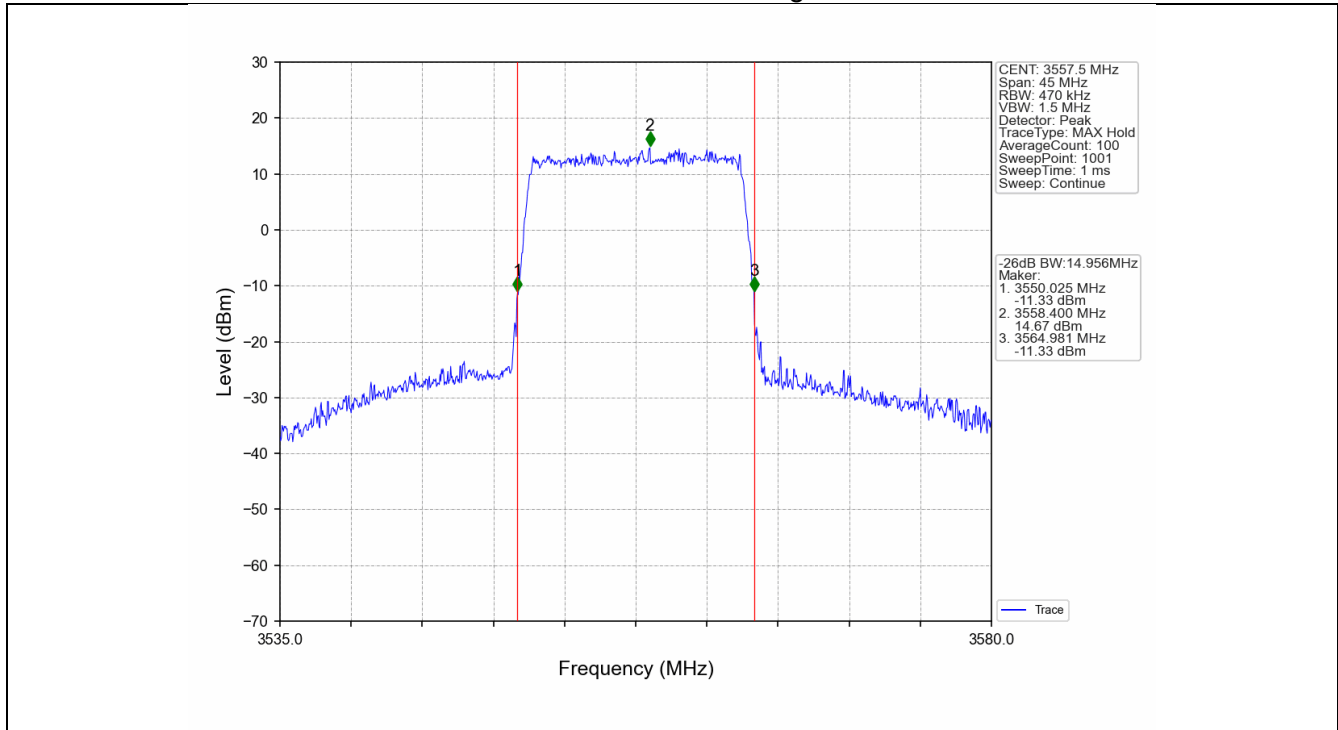
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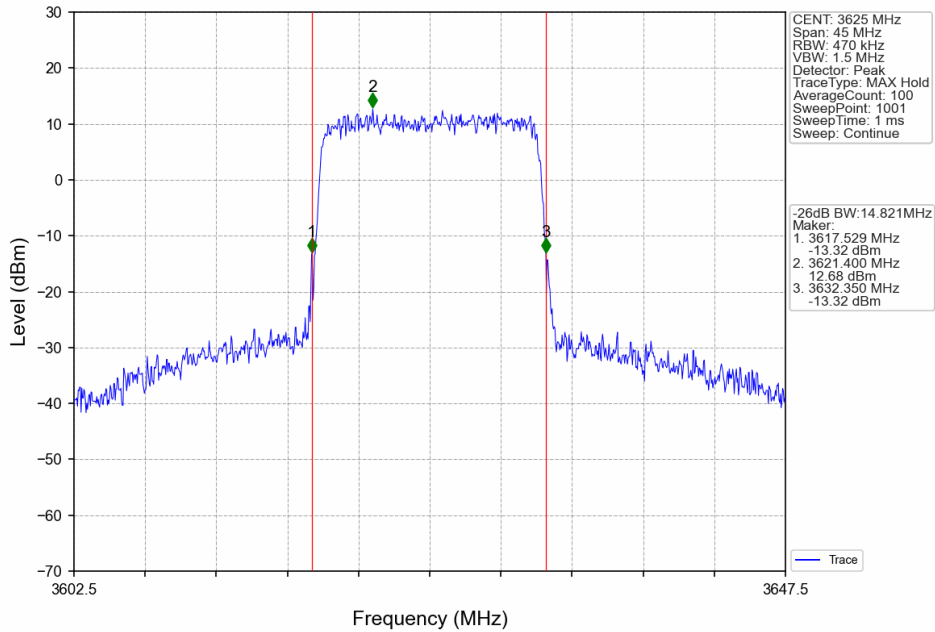


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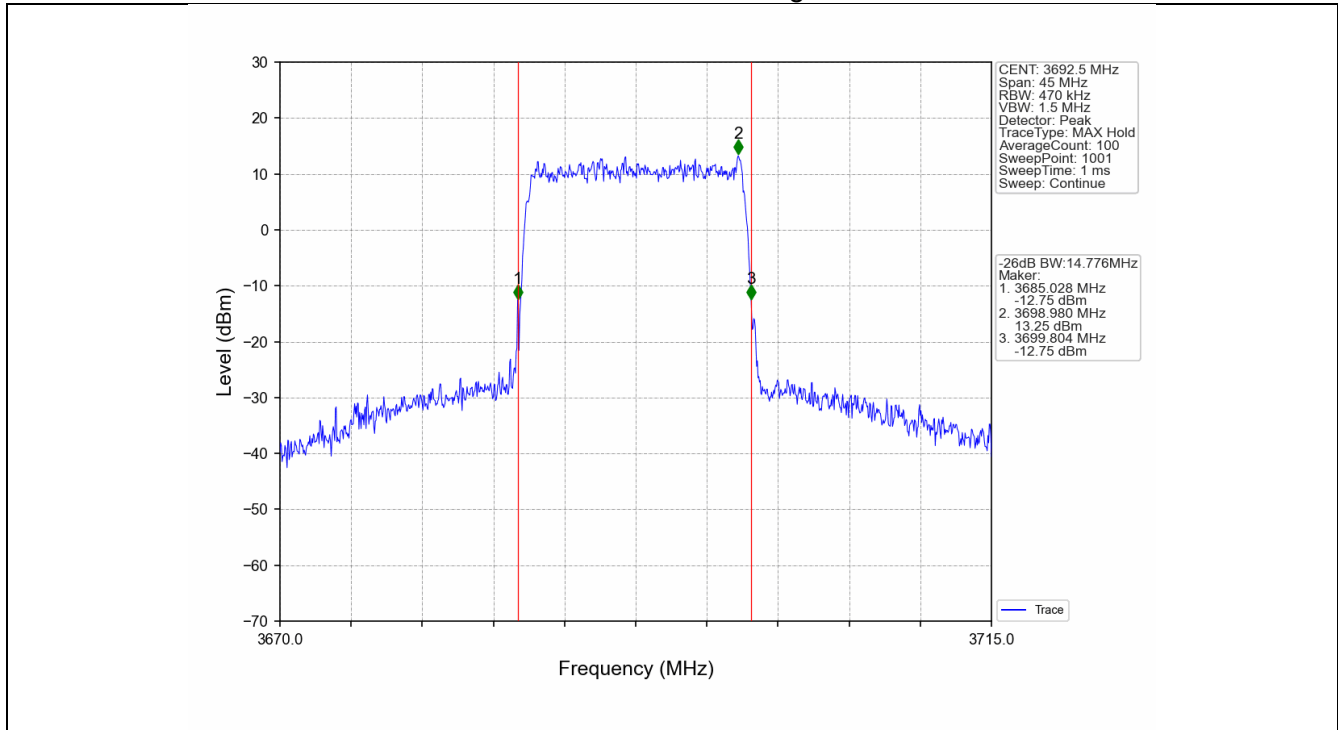
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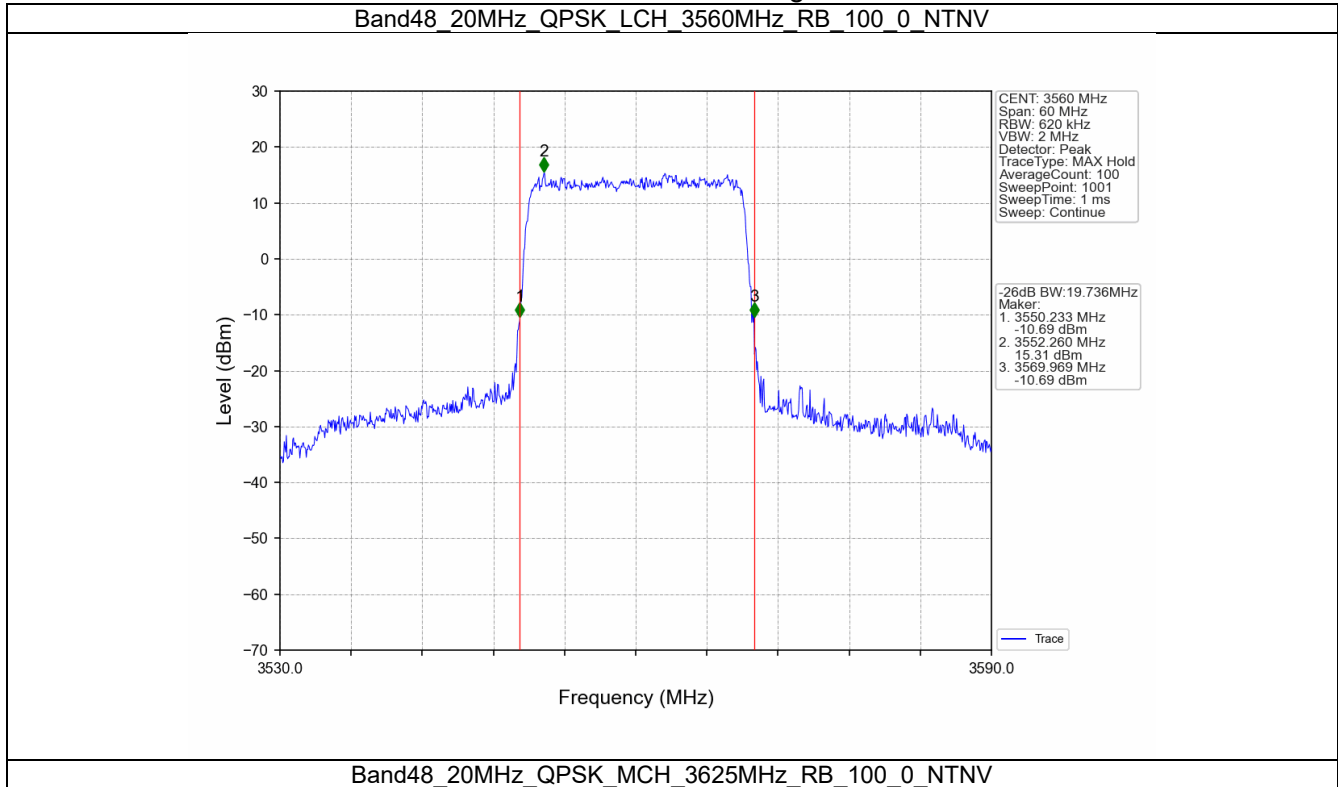


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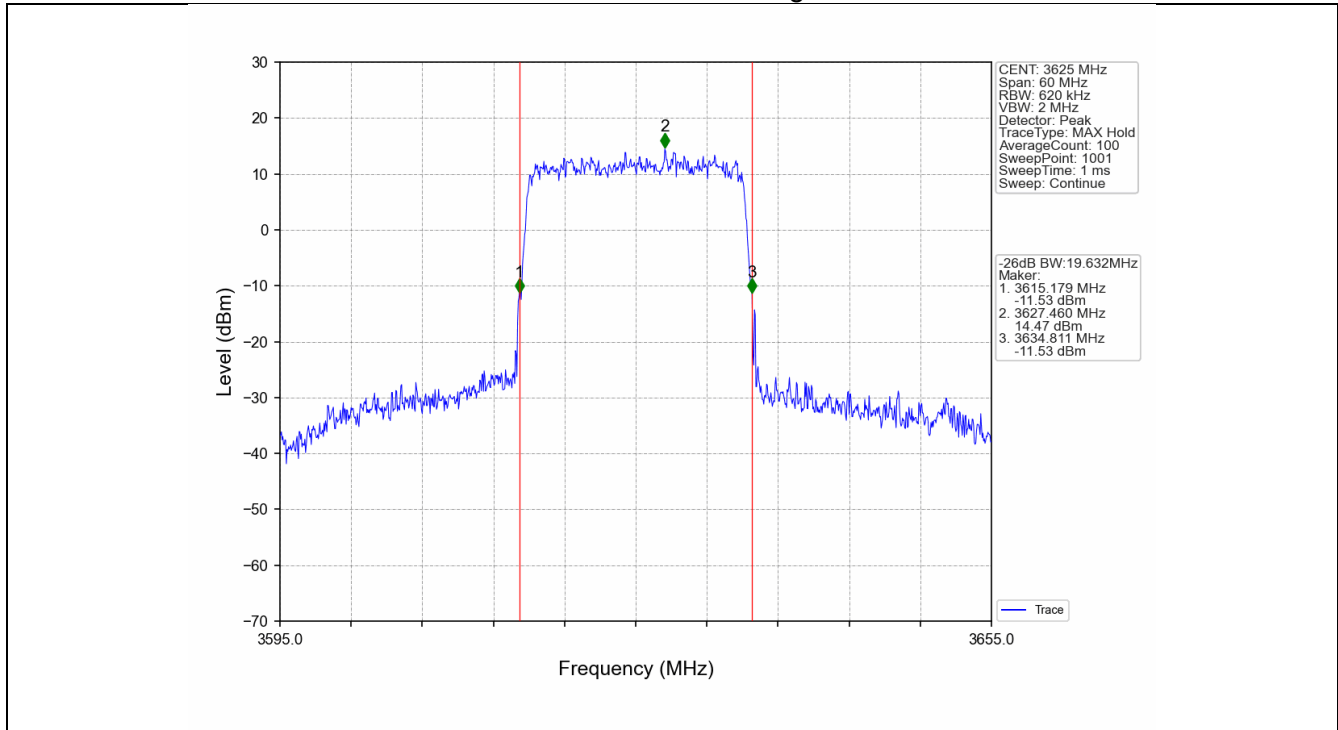
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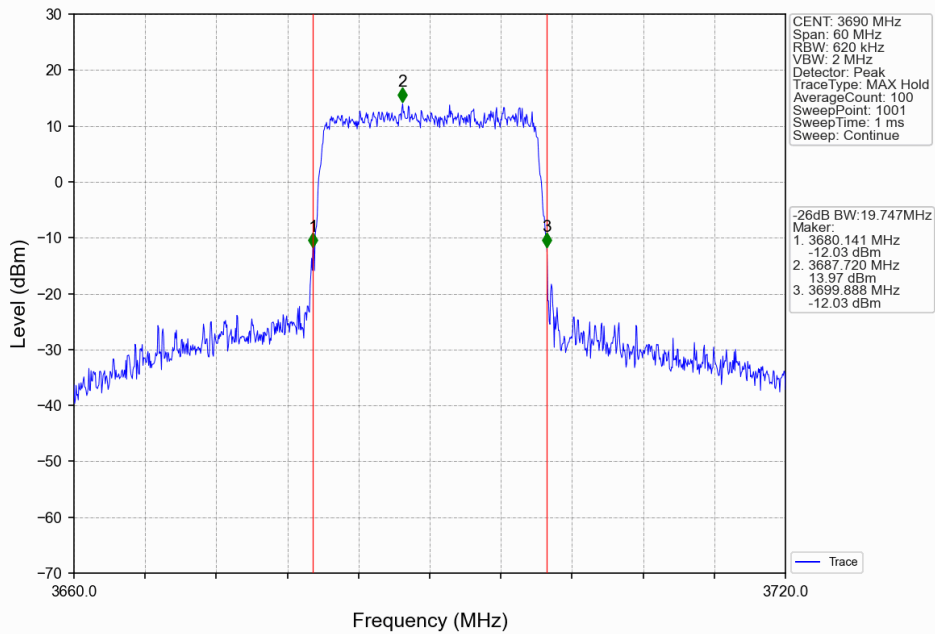
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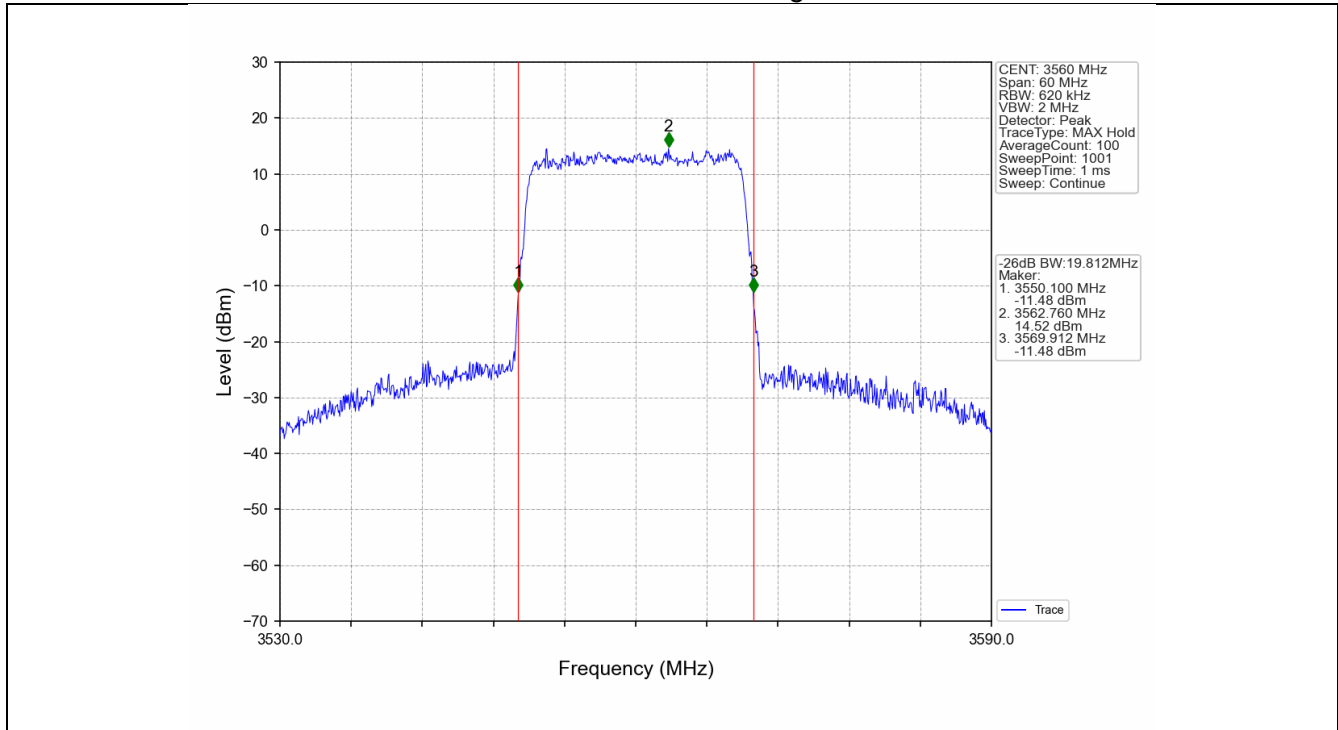
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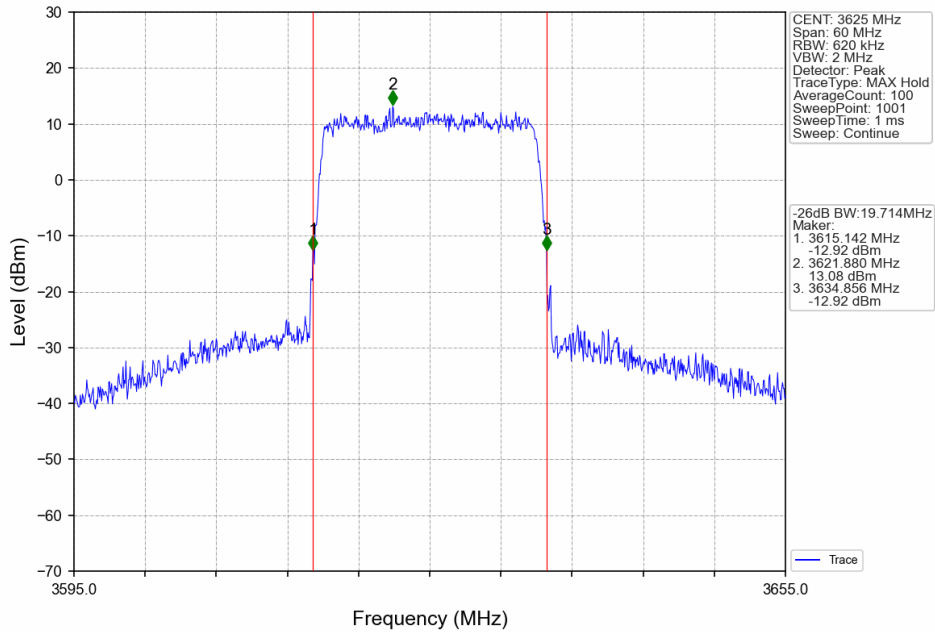
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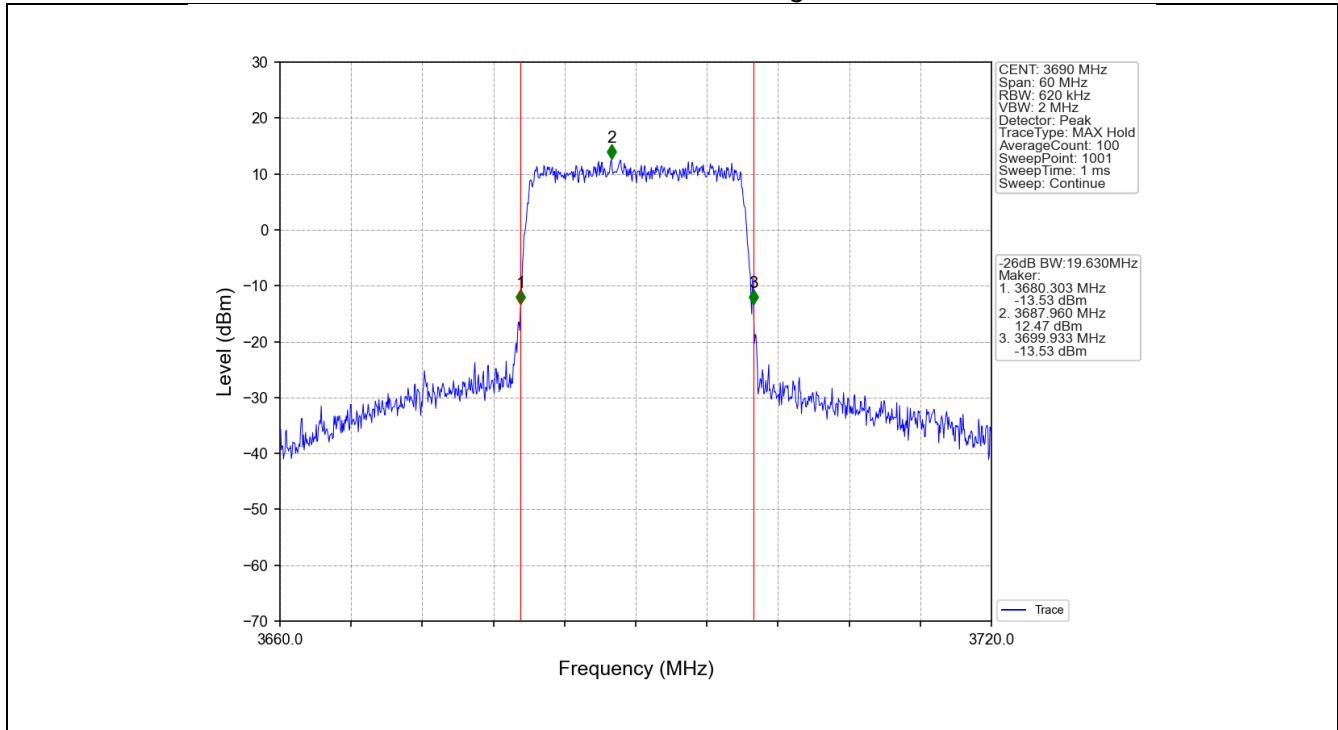
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4. Peak-Average Ratio

4.1 B48_5MHz

4.1.1 Test Result

Band: 48 / Bandwidth: 5MHz / NTNv							
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict	
		Size	Offset	Result	Limit		
QPSK	3552.5	25	0	7.50	<=13	Pass	
	3625	25	0	7.48	<=13	Pass	
	3697.5	25	0	7.38	<=13	Pass	
16QAM	3552.5	25	0	8.21	<=13	Pass	
	3625	25	0	8.17	<=13	Pass	
	3697.5	25	0	8.13	<=13	Pass	



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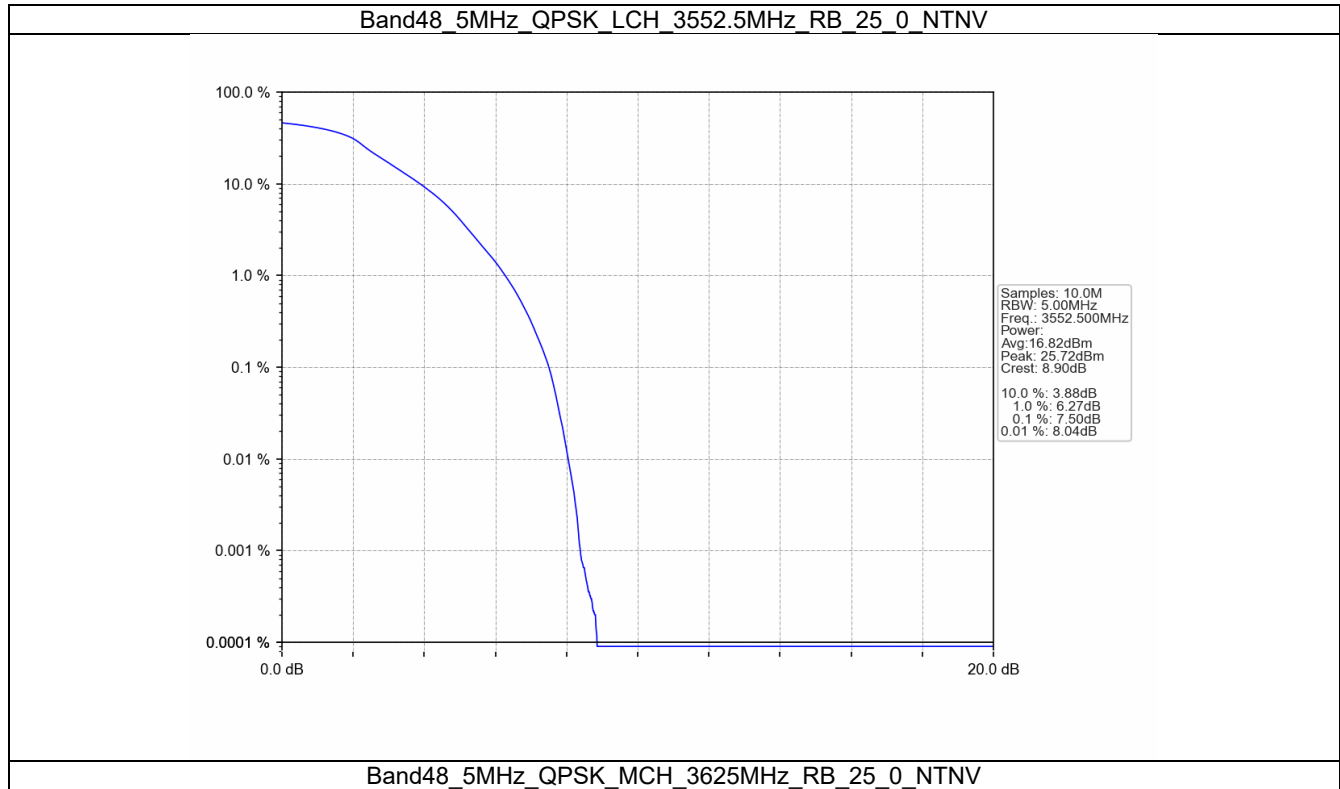
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4.1.2 Test Graph

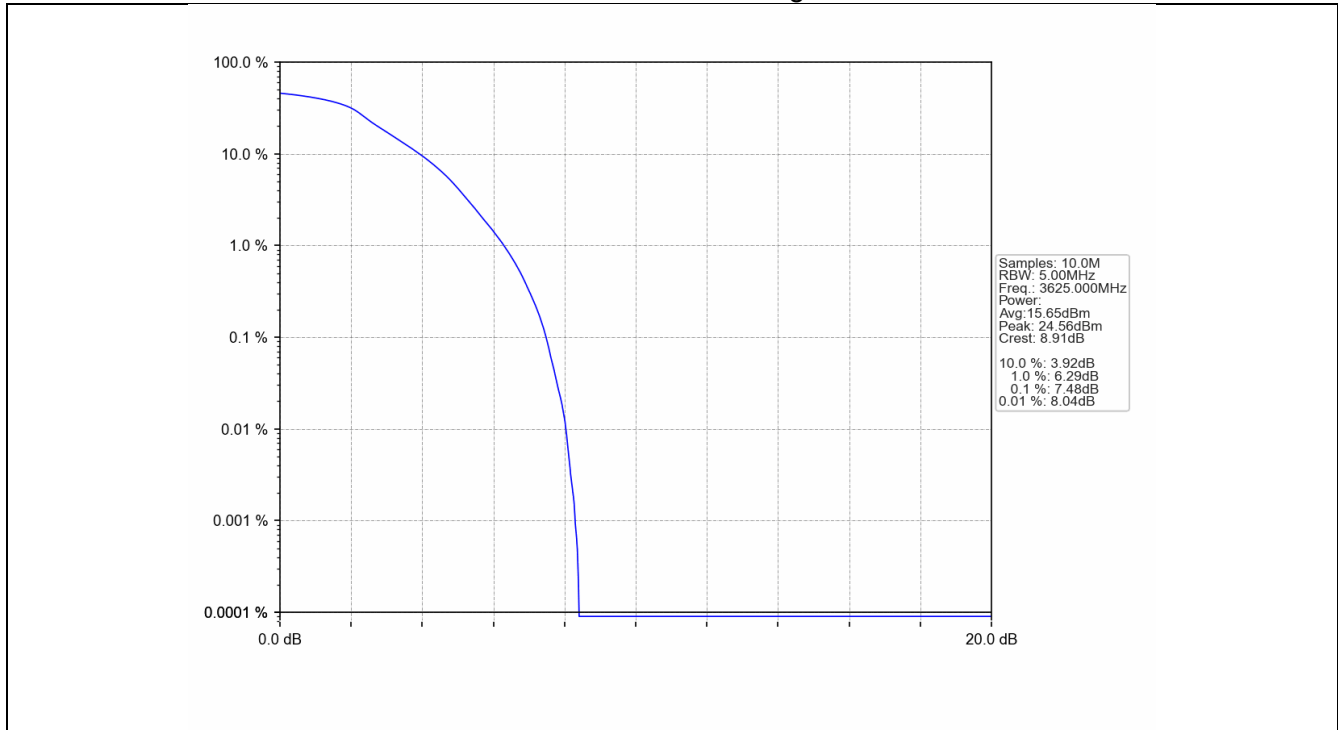


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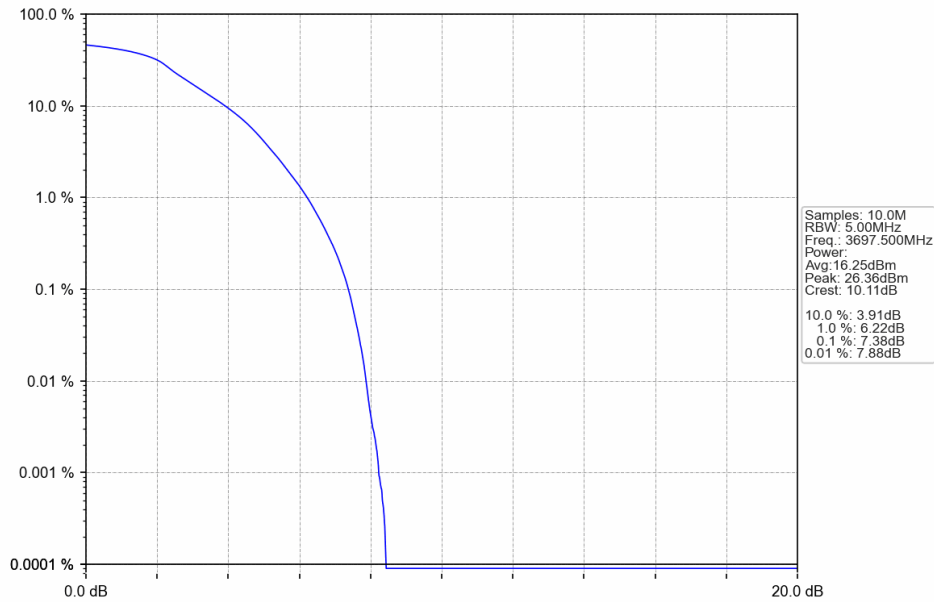
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Rev.: 01

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Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



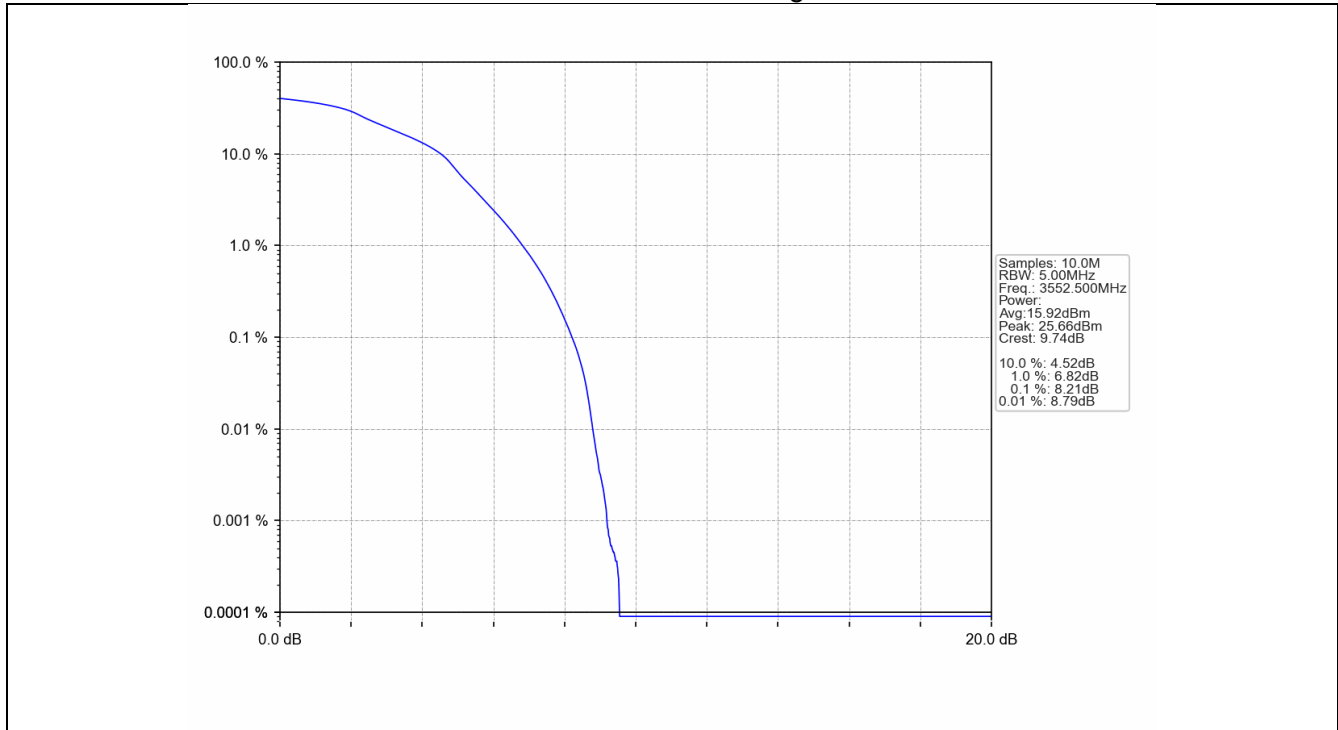
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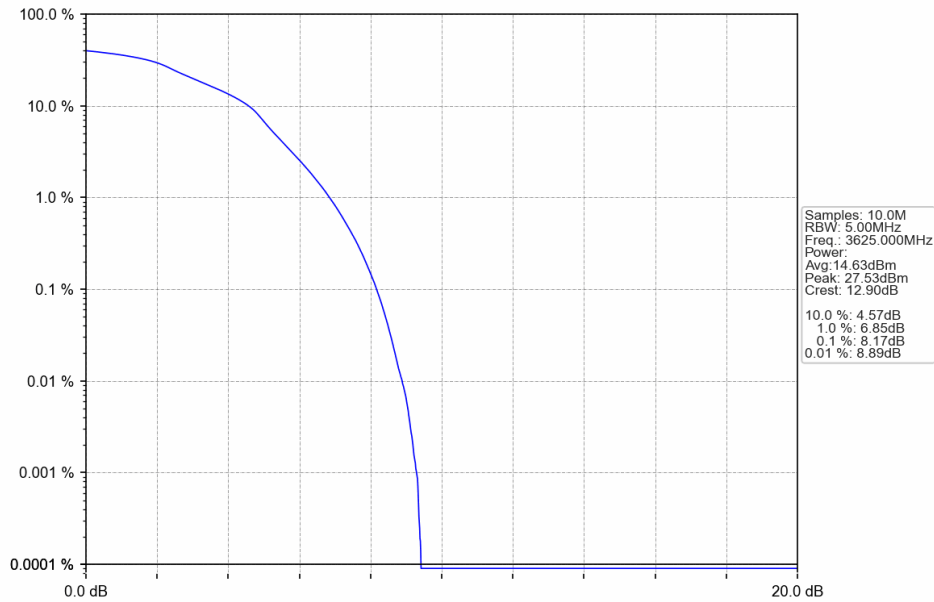
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Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV



Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV

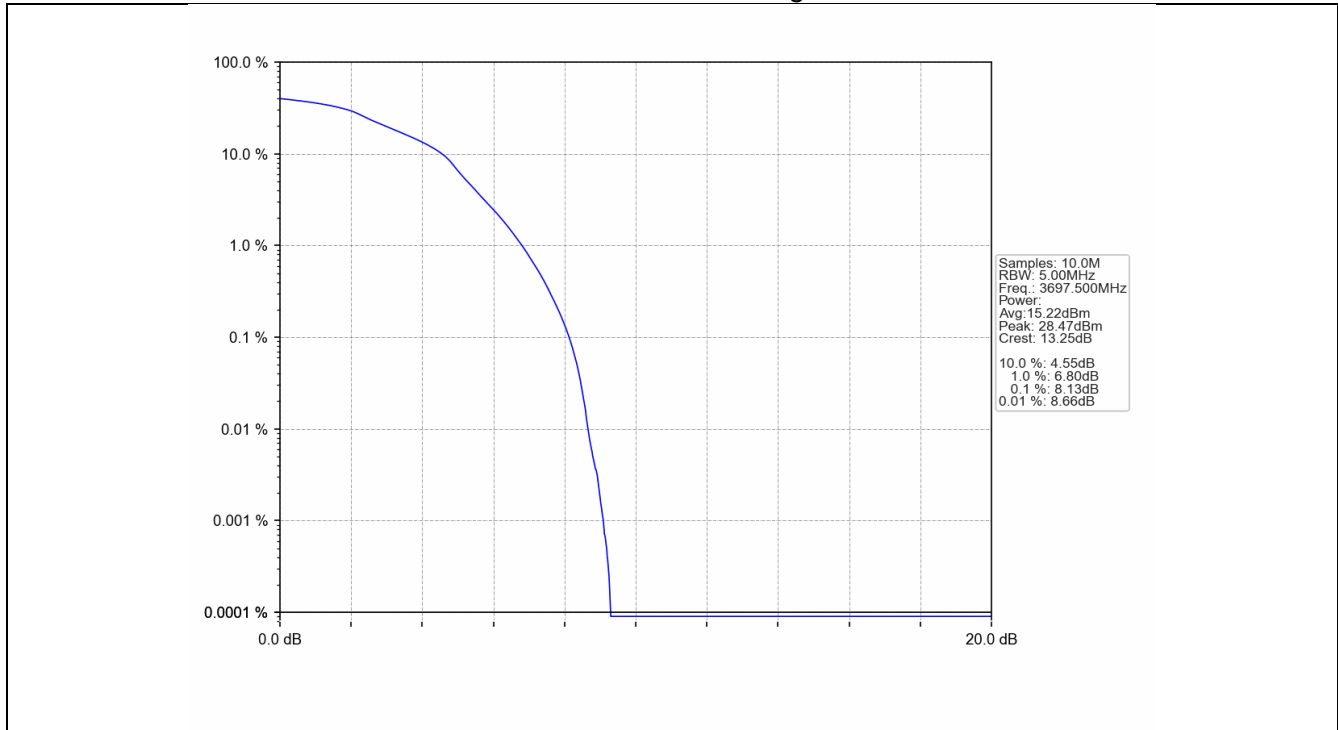


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4.2 B48_10MHz

4.2.1 Test Result

Table with 7 columns: Modulation, Frequency (MHz), RB Allocation (Size, Offset), Peak-Average Ratio (dB) (Result, Limit), and Verdict. It contains test data for QPSK and 16QAM modulations at various frequencies.

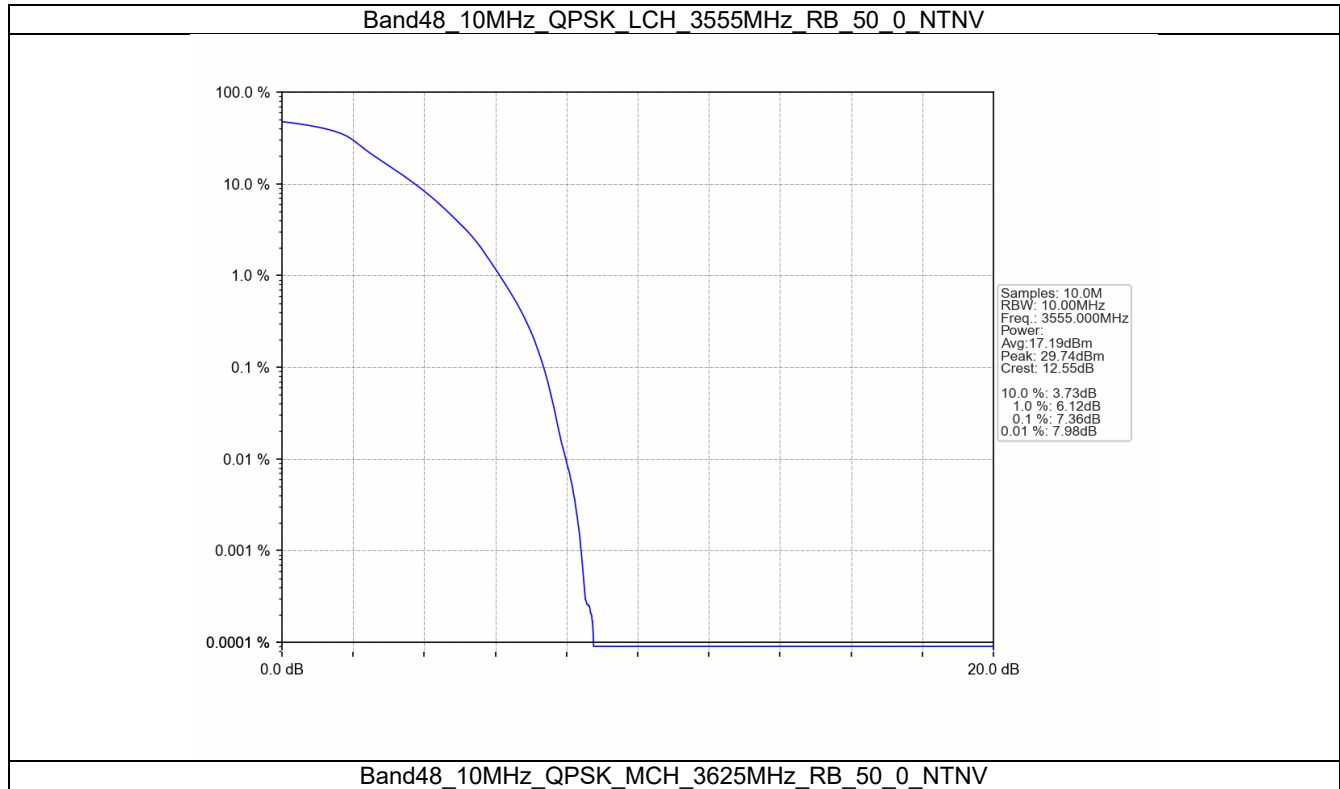


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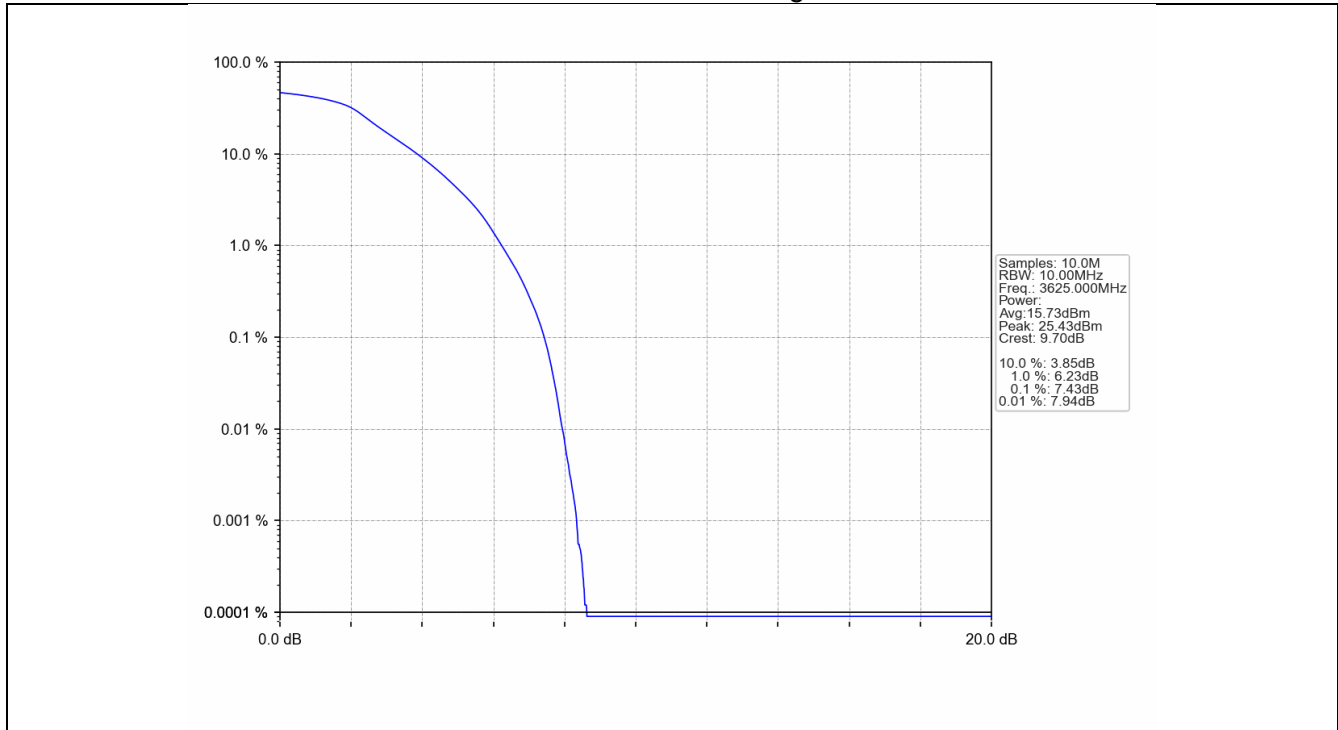
4.2.2 Test Graph



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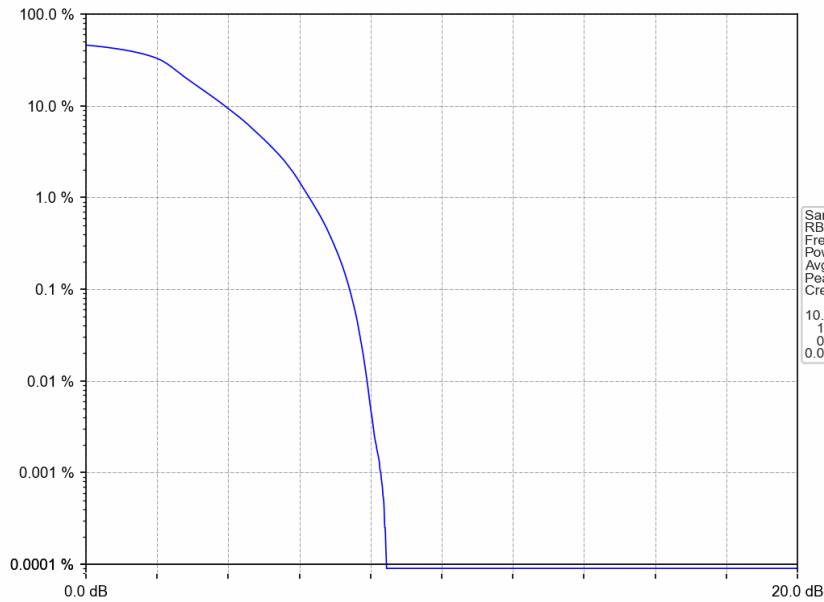
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Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



Samples: 10.0M
 RBW: 10.00MHz
 Freq.: 3695.000MHz
 Power:
 Avg: 16.09dBm
 Peak: 27.41dBm
 Crest: 11.32dB
 10.0 %: 3.90dB
 1.0 %: 6.28dB
 0.1 %: 7.41dB
 0.01 %: 7.90dB

Band48_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV

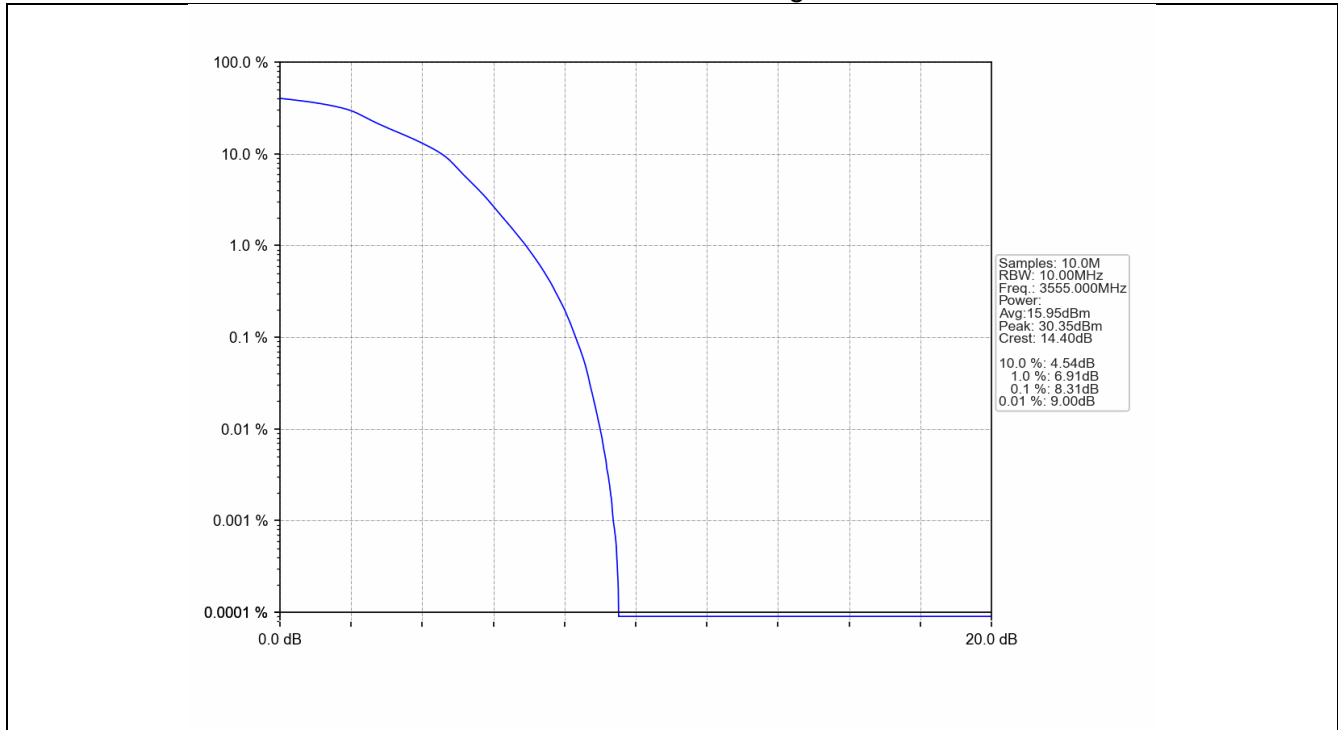


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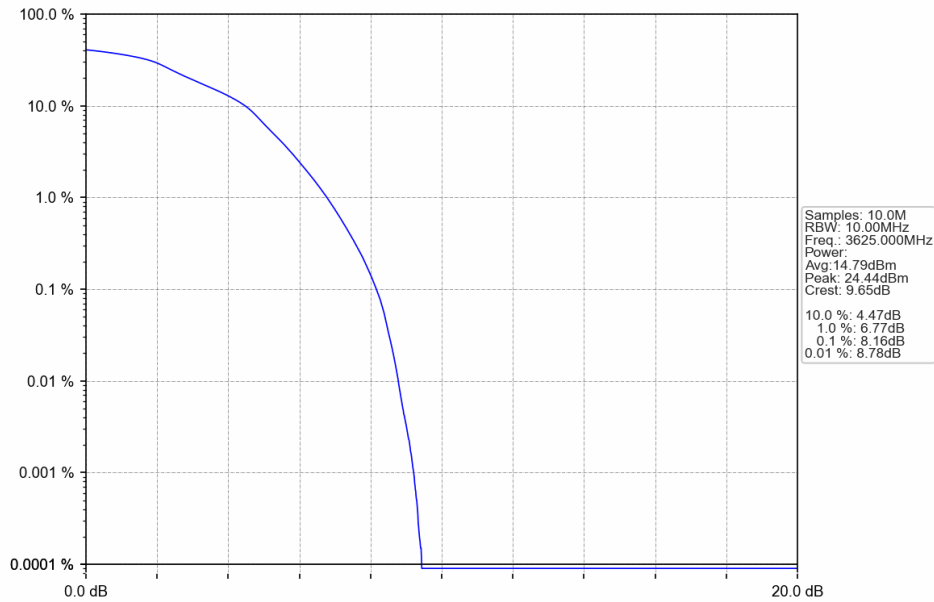
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Band48 10MHz 16QAM MCH 3625MHz RB 50 0 NTN



Band48 10MHz 16QAM HCH 3695MHz RB 50 0 NTN



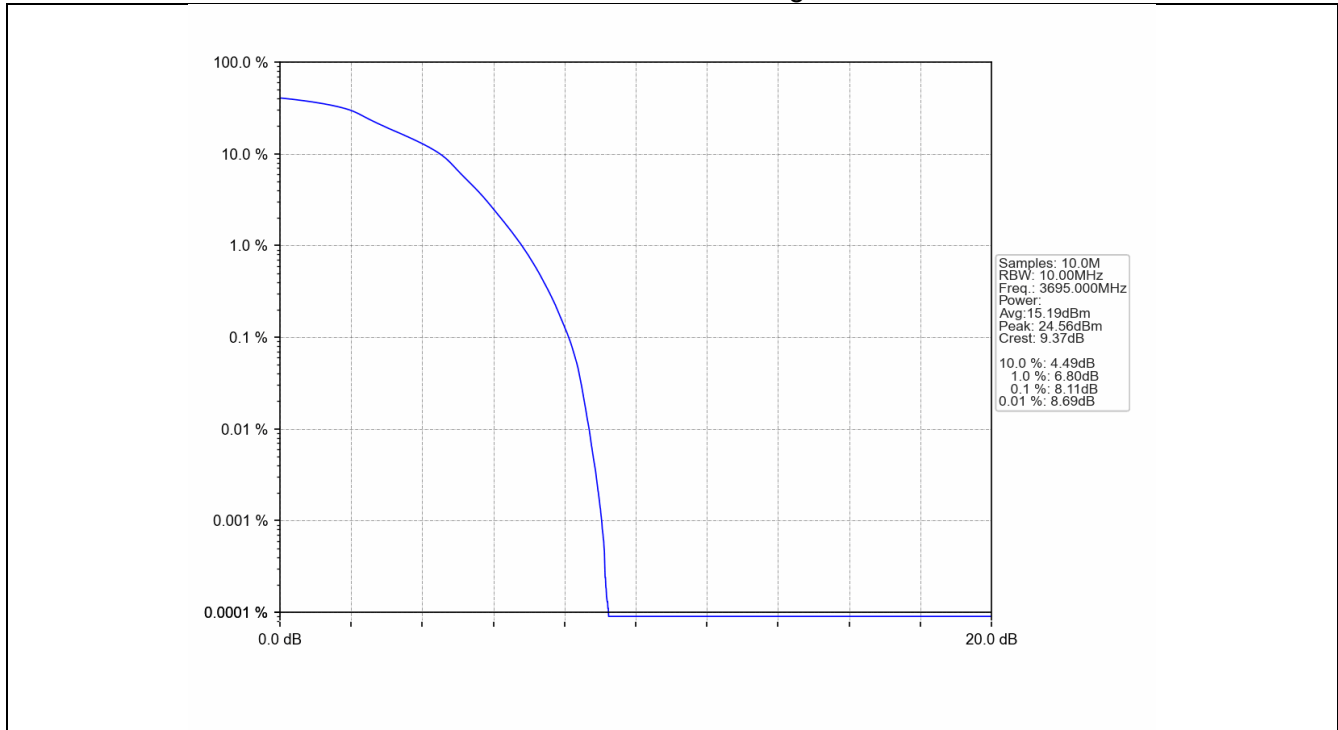
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4.3 B48_15MHz

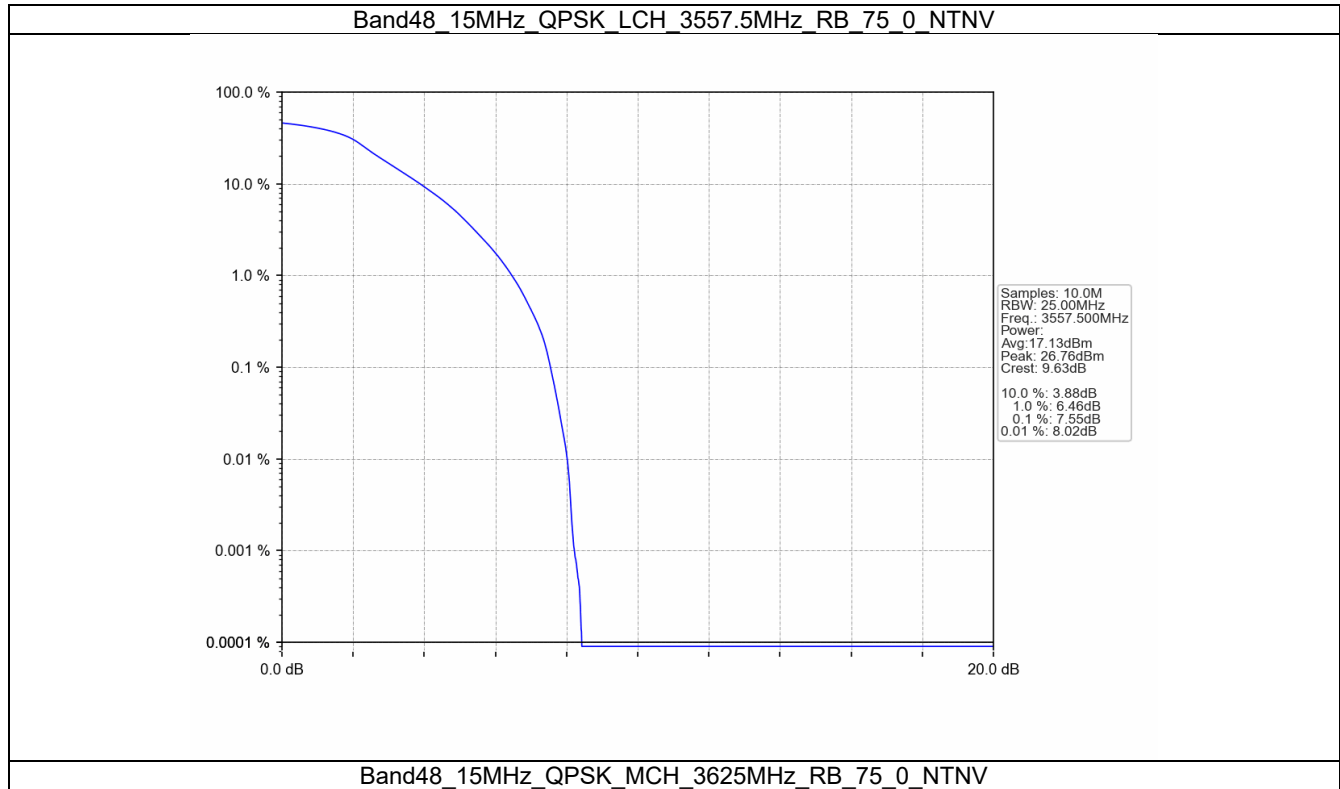
4.3.1 Test Result

Table with 7 columns: Modulation, Frequency (MHz), RB Allocation (Size, Offset), Peak-Average Ratio (dB) (Result, Limit), and Verdict. It contains test results for QPSK and 16QAM modulations at frequencies 3557.5, 3625, and 3692.5 MHz.



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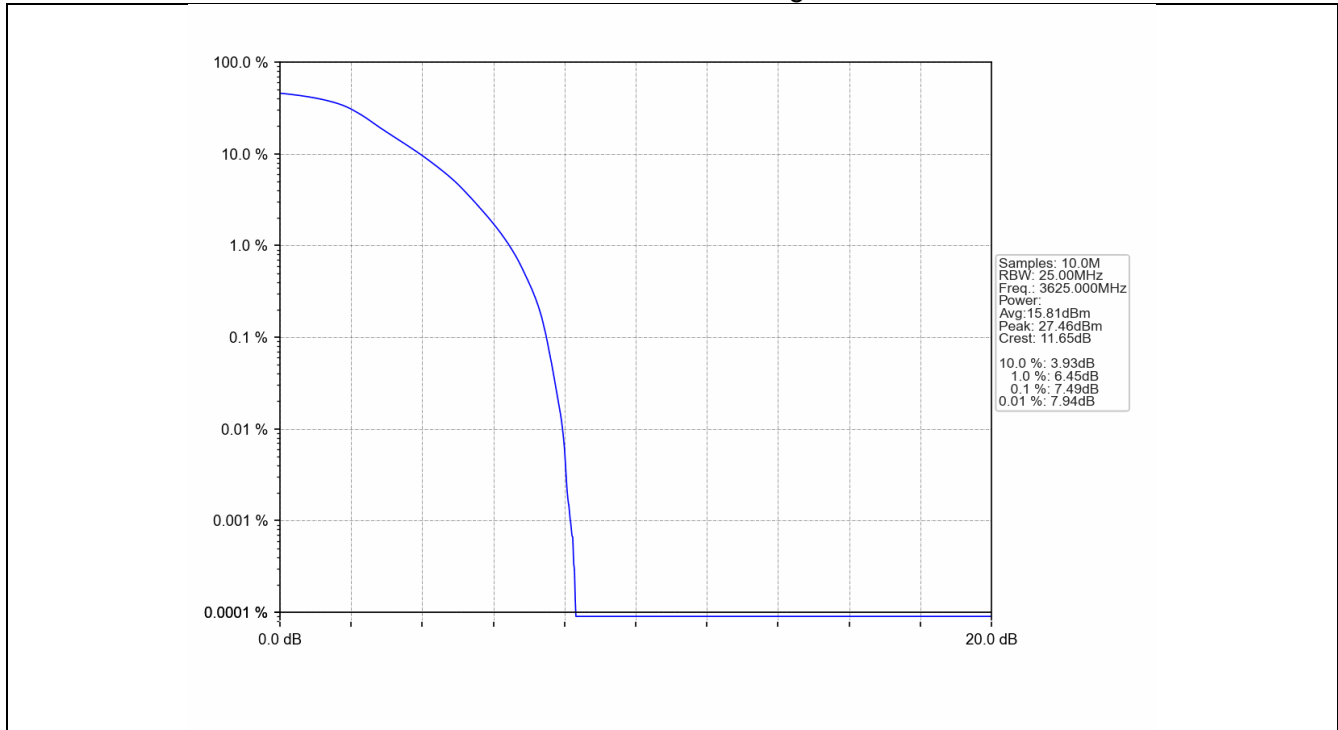
4.3.2 Test Graph



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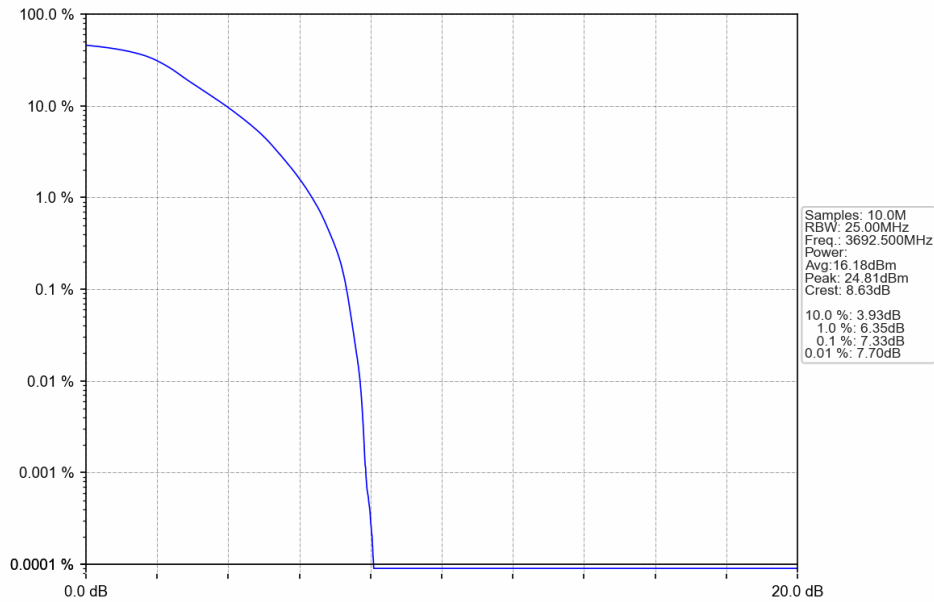
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Wireless Laboratories

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Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



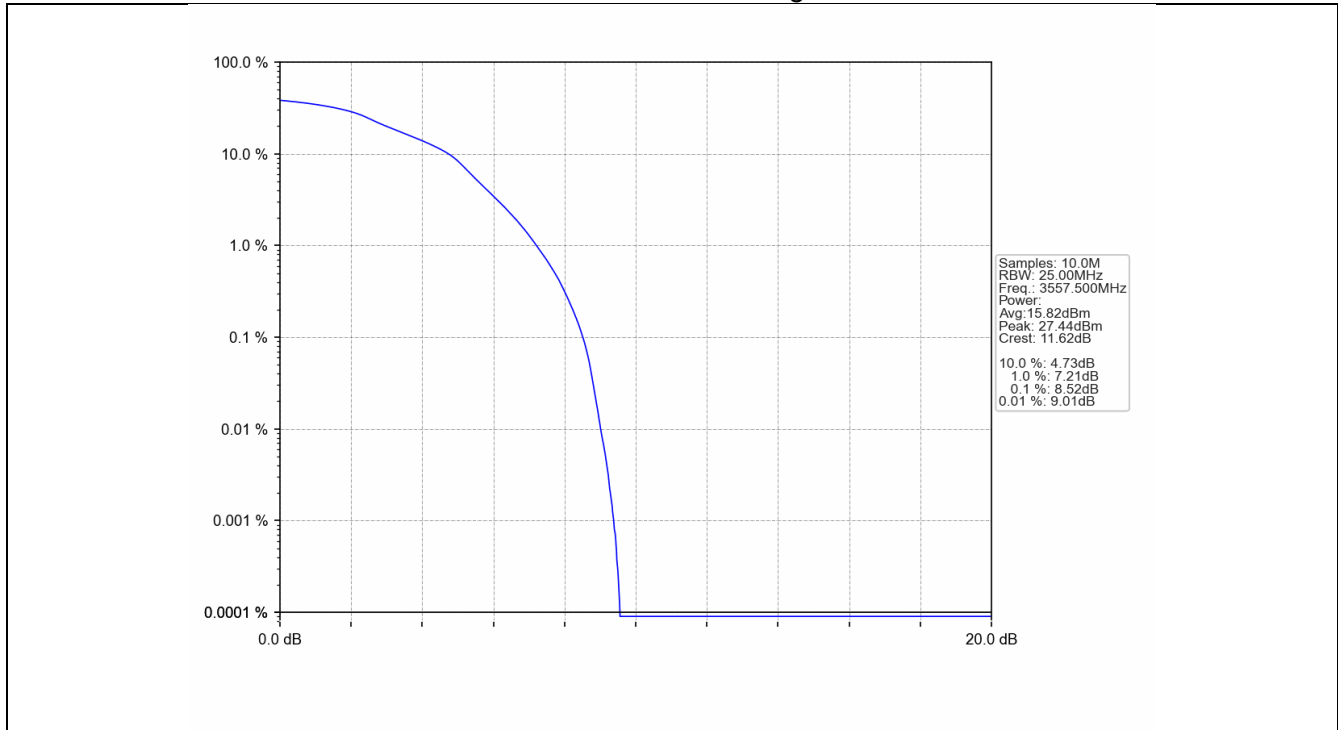
Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV



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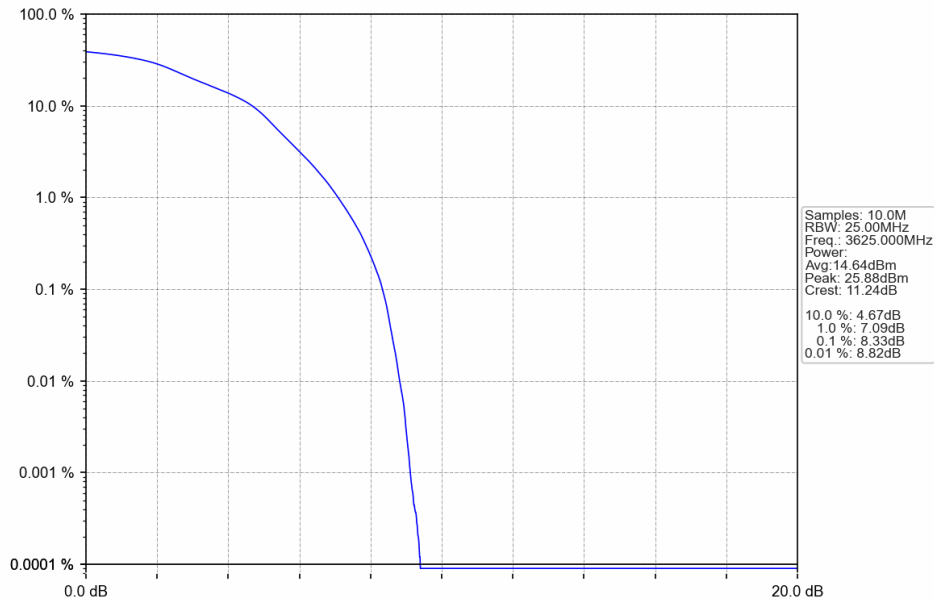
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Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV



Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV

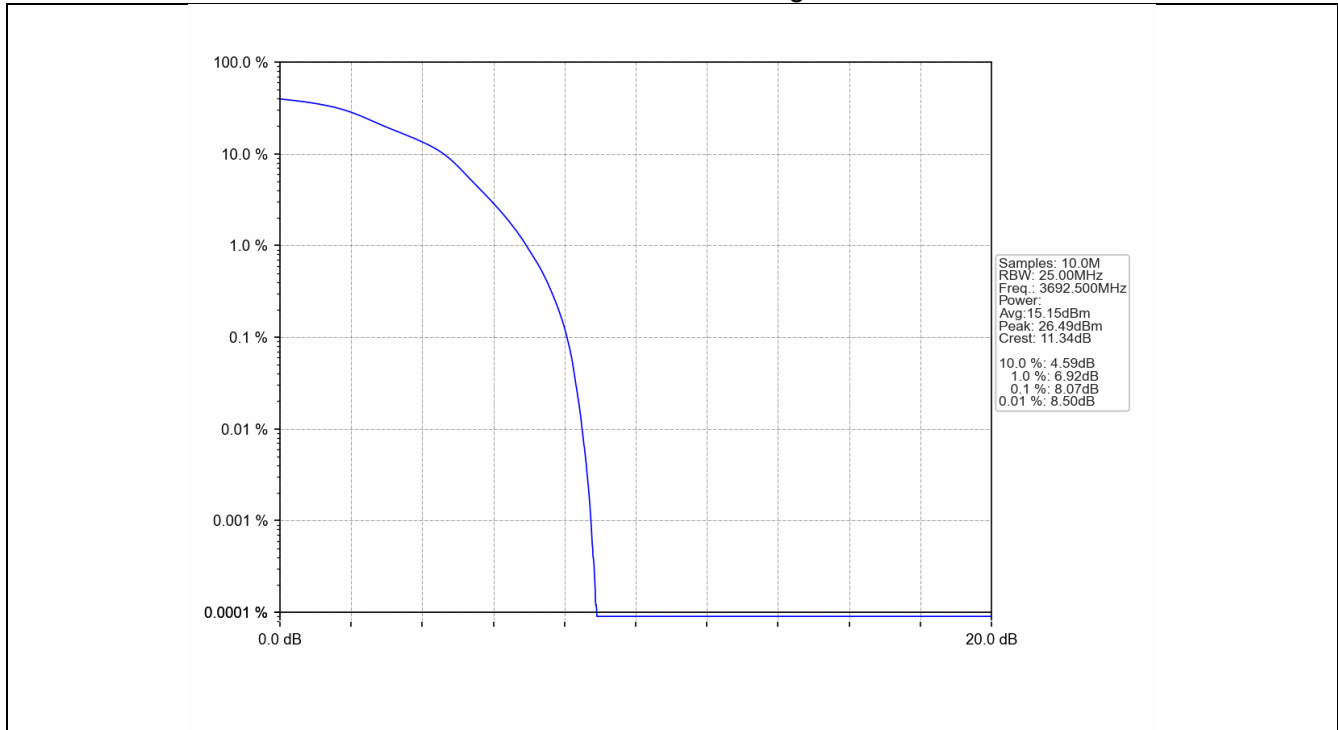


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4.4 B48_20MHz

4.4.1 Test Result

Table with 7 columns: Modulation, Frequency (MHz), RB Allocation (Size, Offset), Peak-Average Ratio (dB) (Result, Limit), and Verdict. It shows test results for QPSK and 16QAM modulations at frequencies 3560, 3625, and 3690 MHz, all resulting in 'Pass' verdicts.



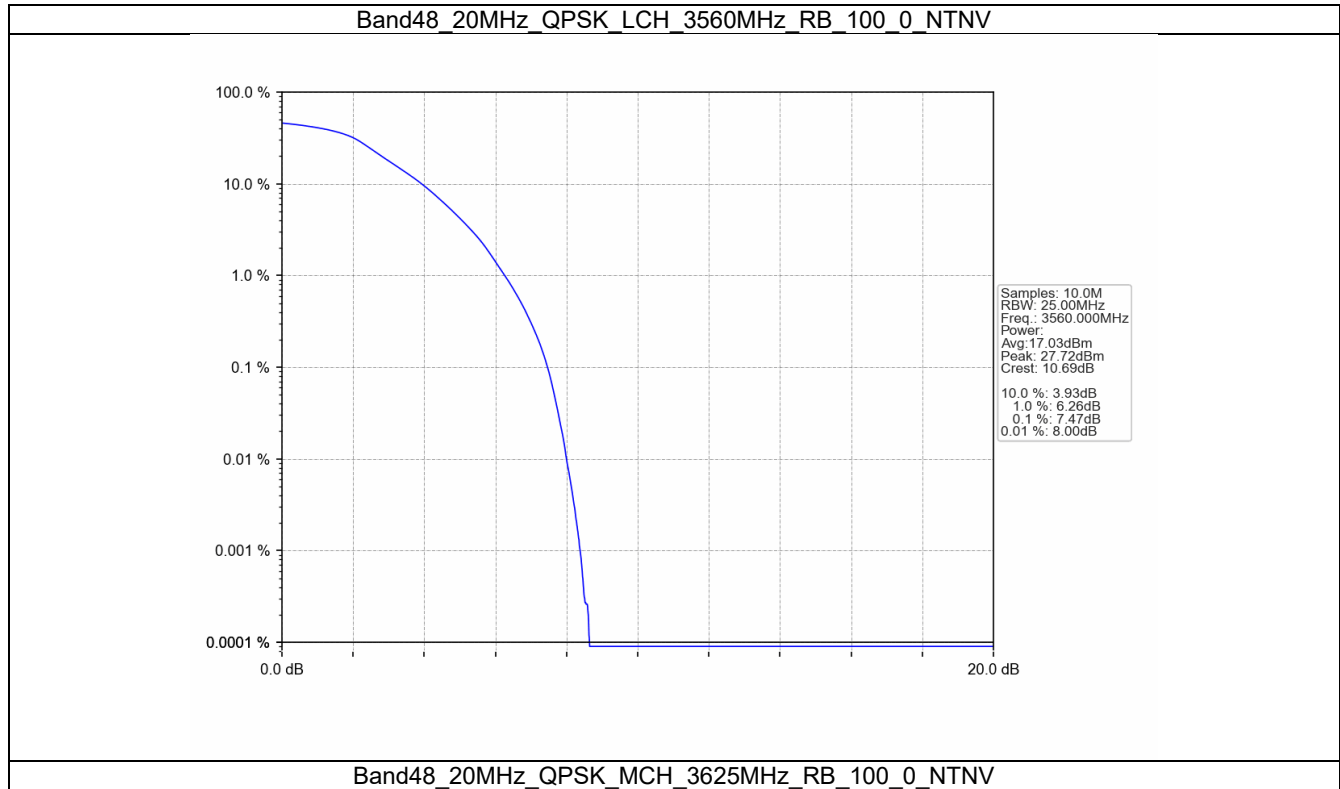
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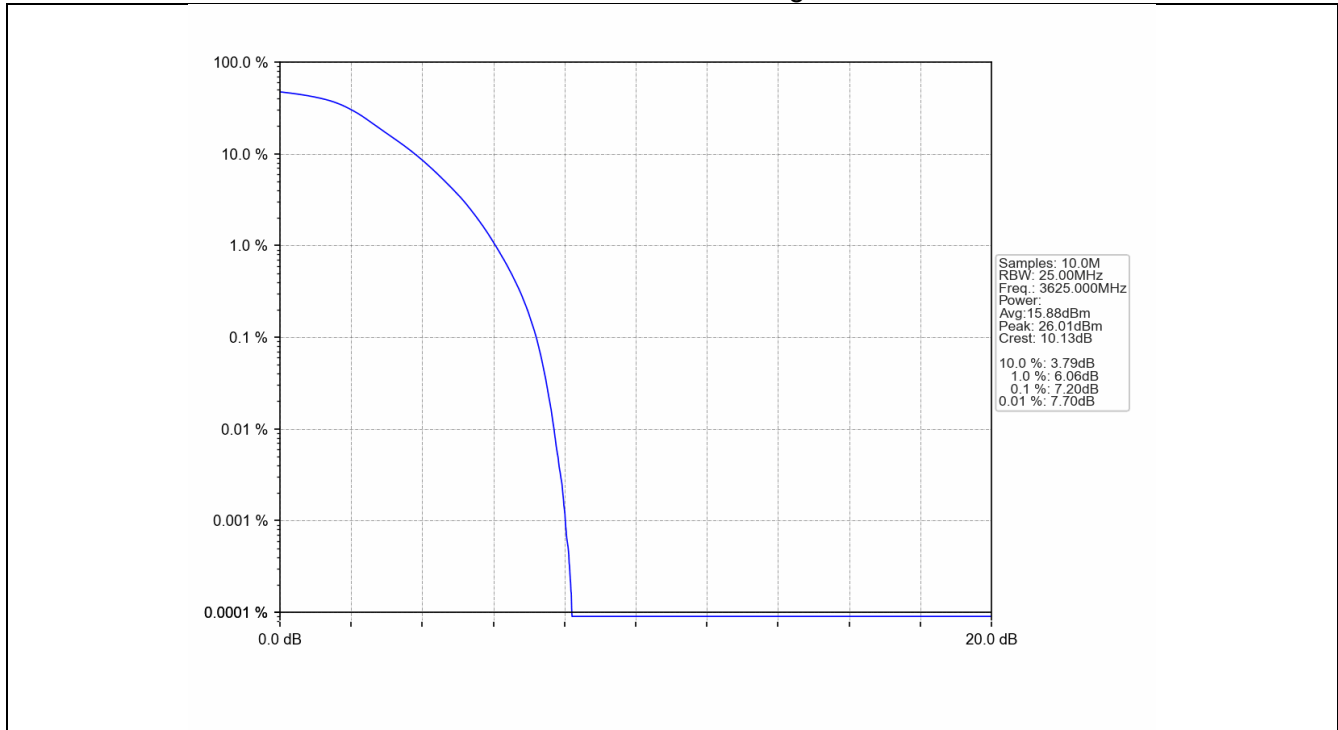
4.4.2 Test Graph



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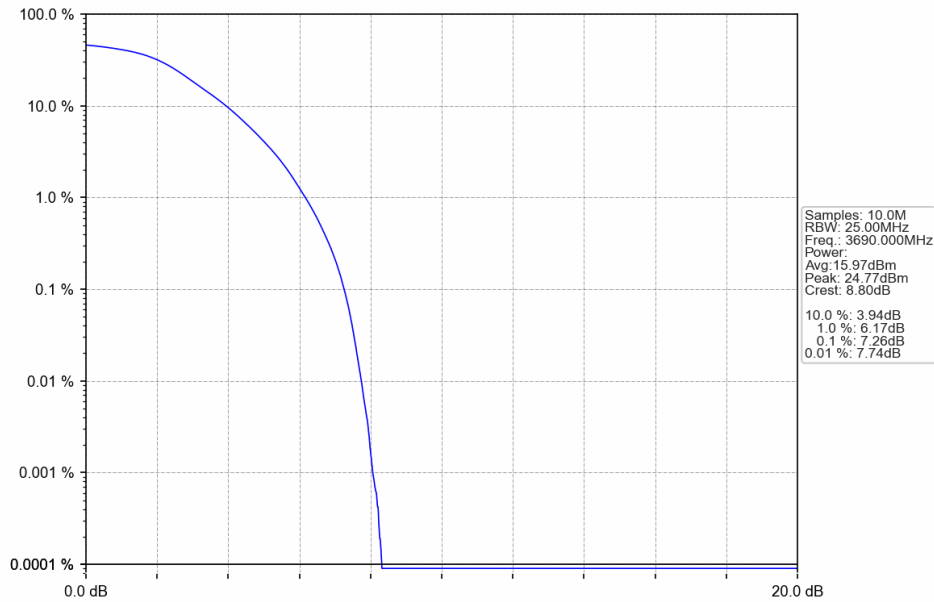
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Band48_20MHz_QPSK_HCH_3690MHz_RB_100_0_NTNV



Band48_20MHz_16QAM_LCH_3560MHz_RB_100_0_NTNV



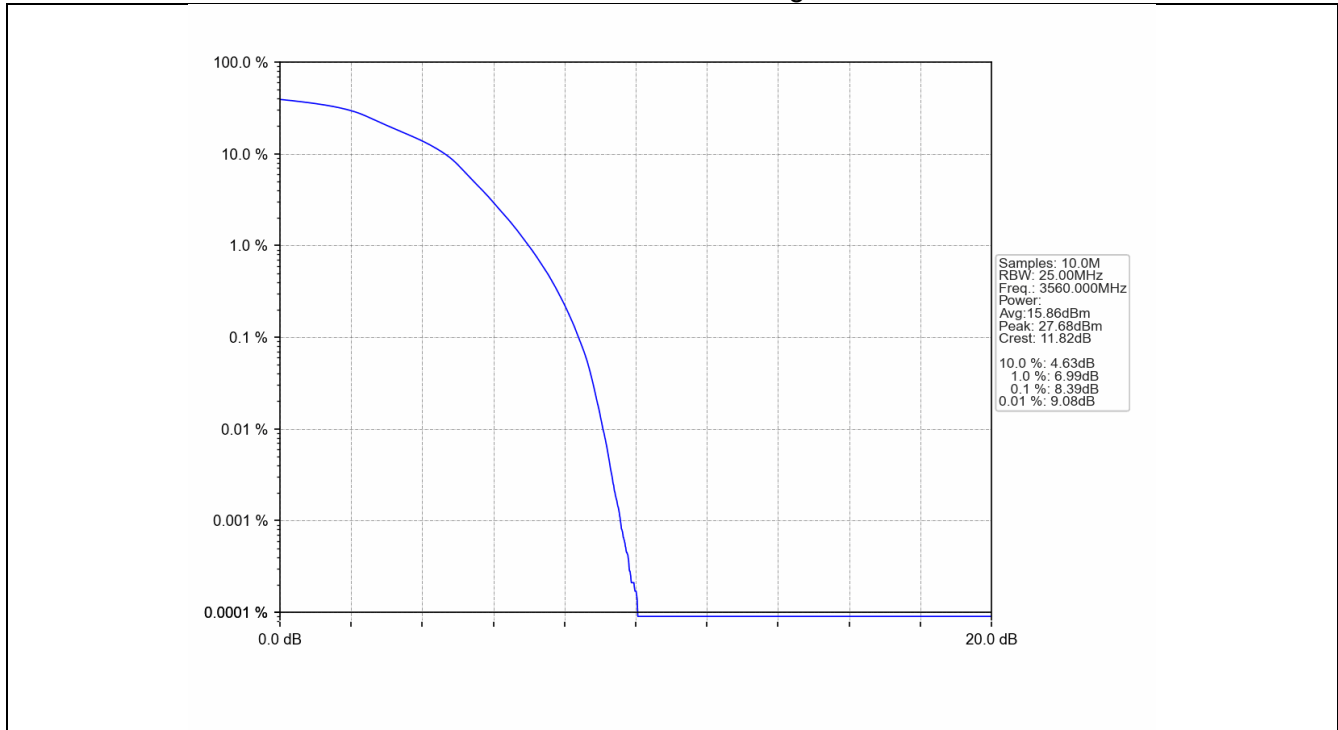
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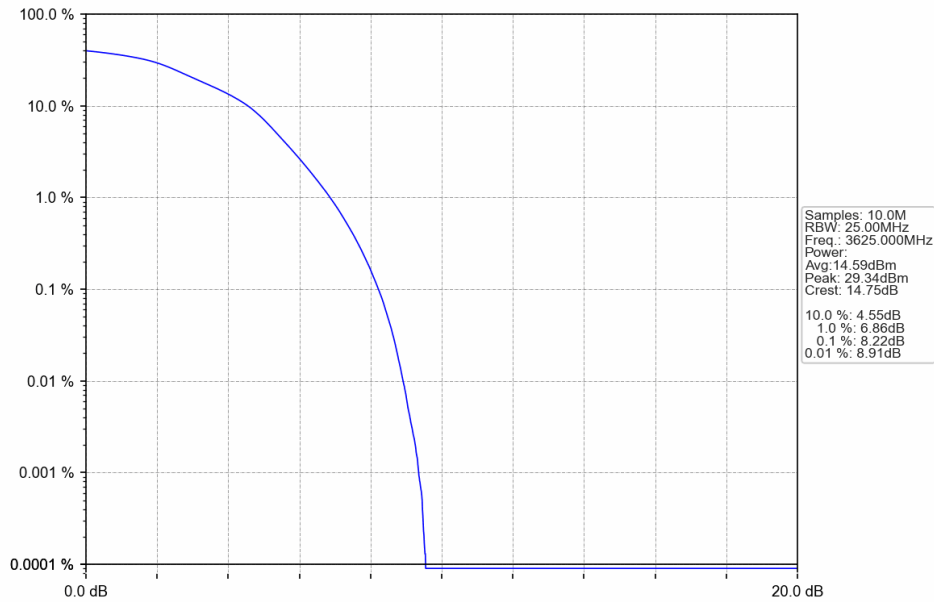
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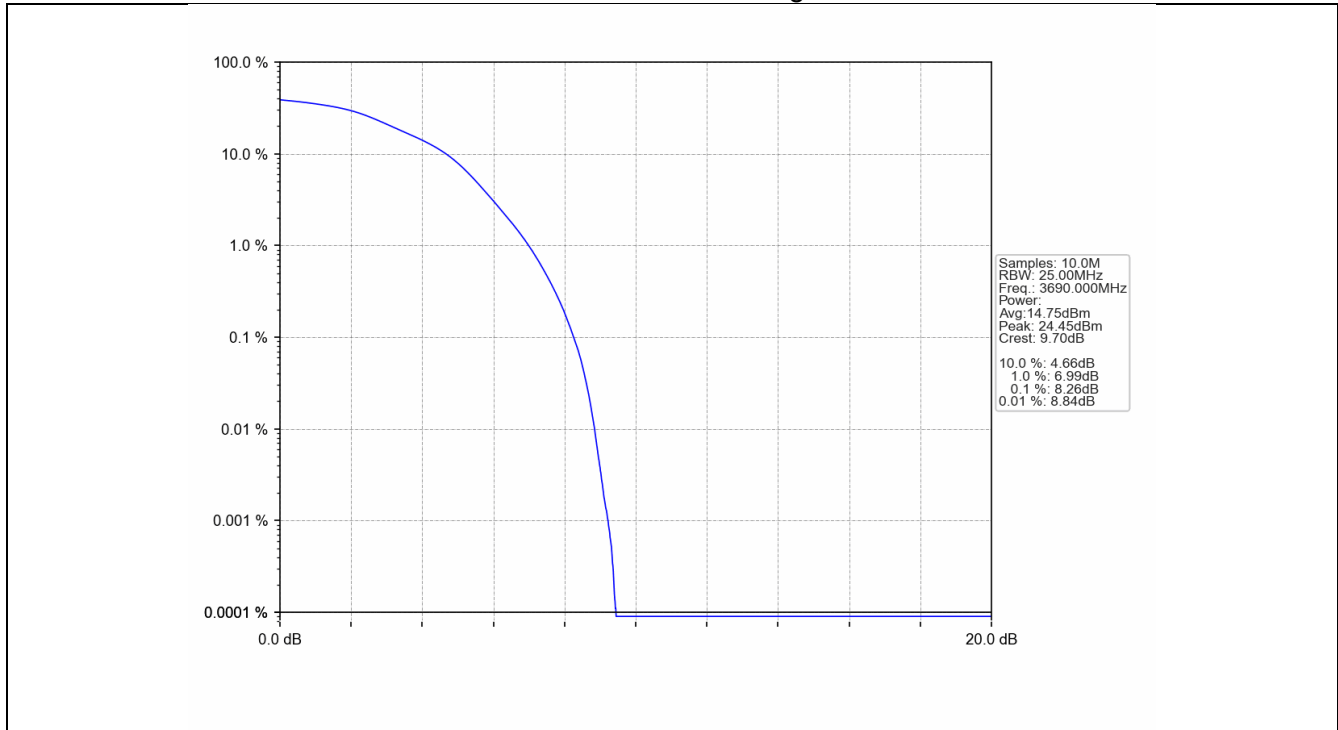


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5. Spurious Emission & Band Edge

5.1 B48_5MHz

5.1.1 Test Result

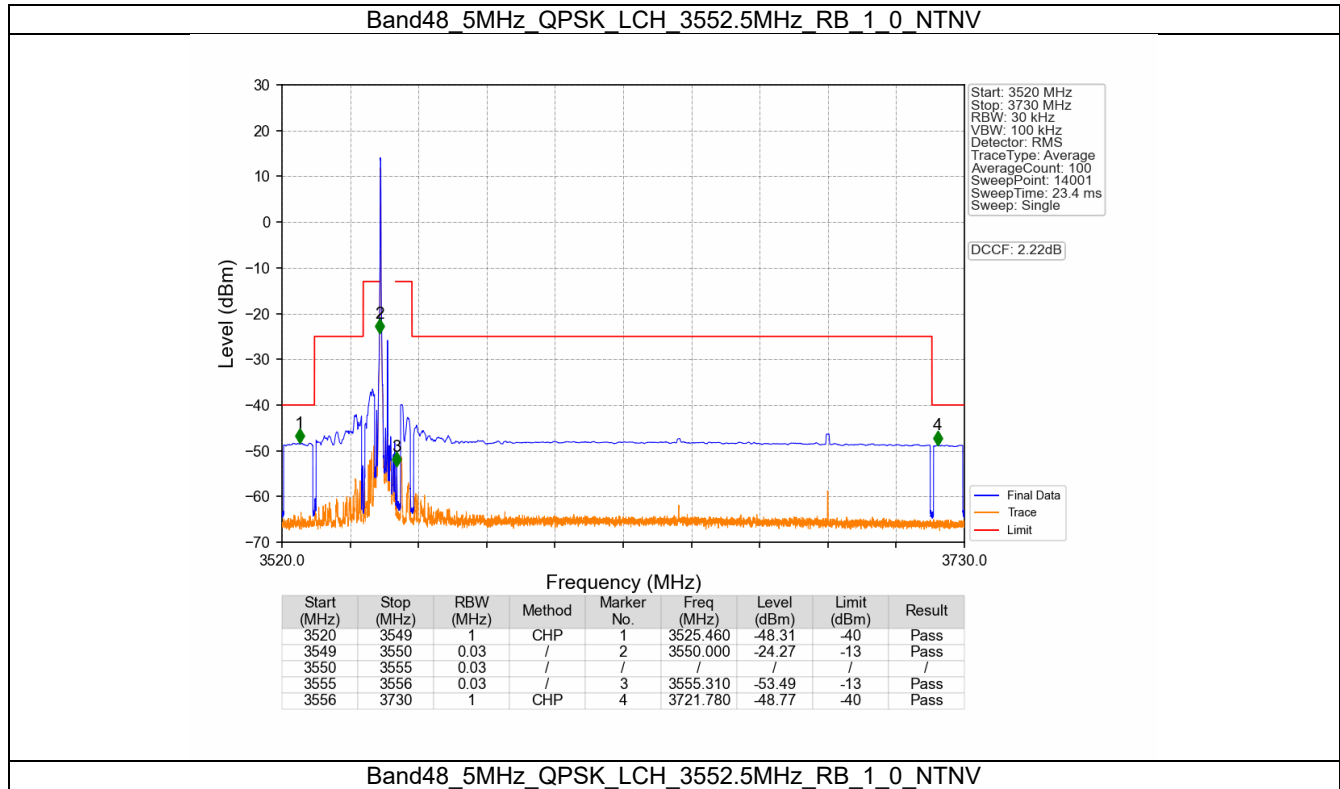
Table with columns: Modulation, Frequency (MHz), RB Allocation (Size, Offset), Spurious Emission (Result, Limit), and Verdict. Data includes QPSK modulation at frequencies 3552.5, 3625, and 3697.5 MHz.



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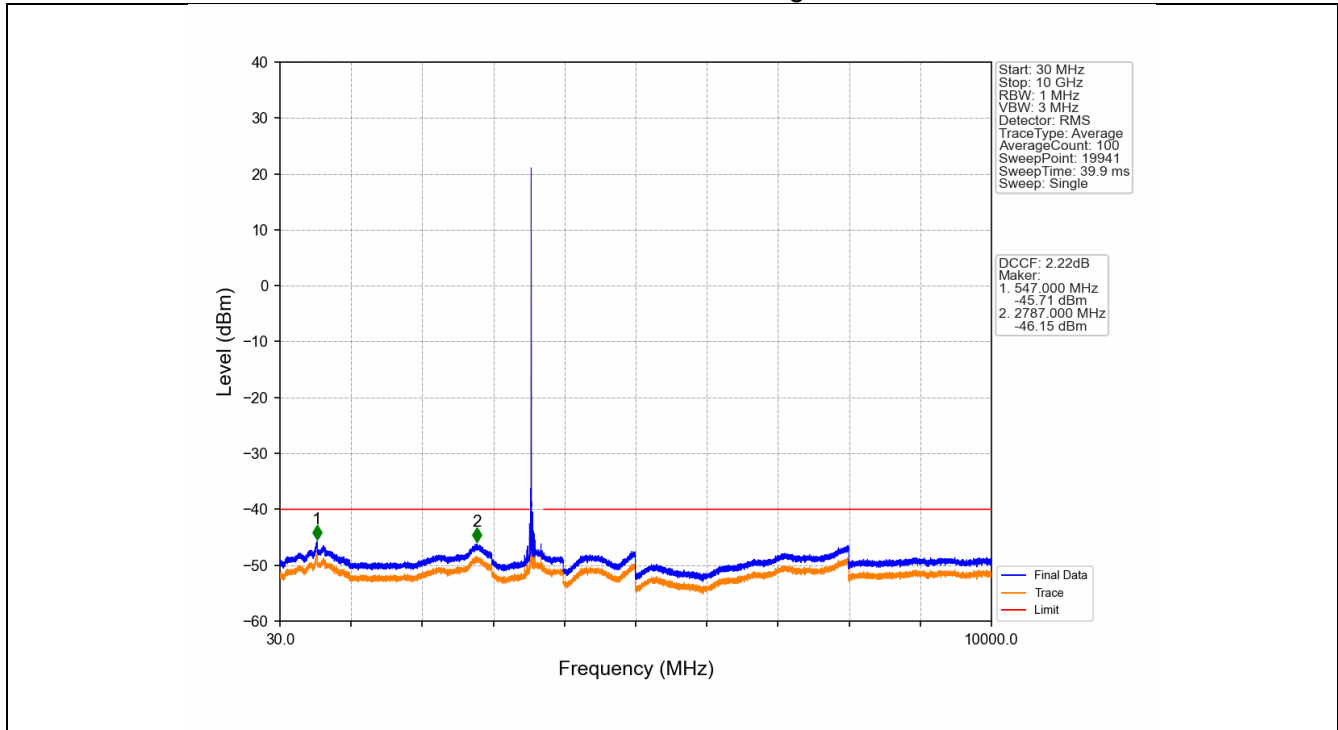
5.1.2 Test Graph



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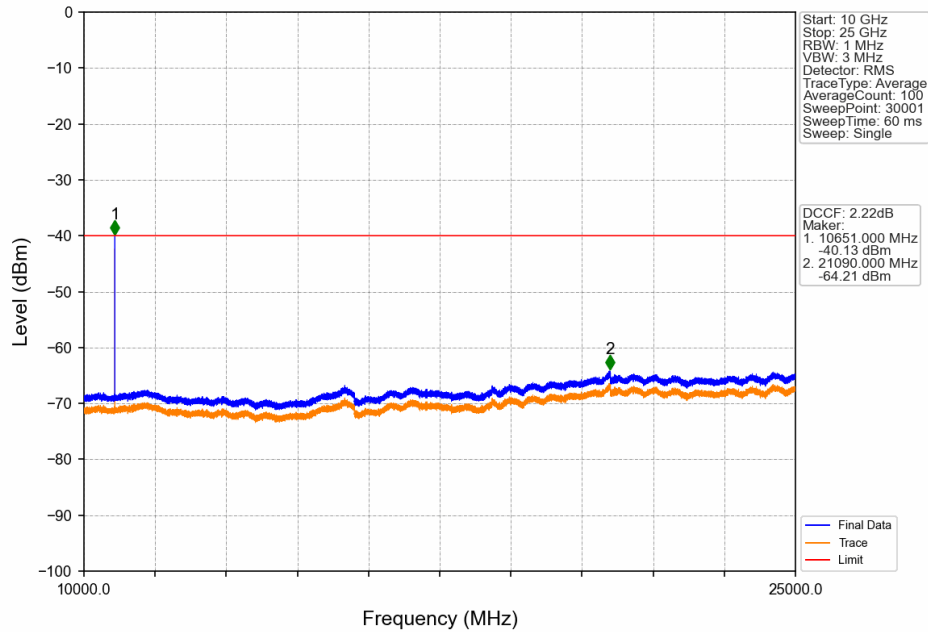


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Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV



Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV



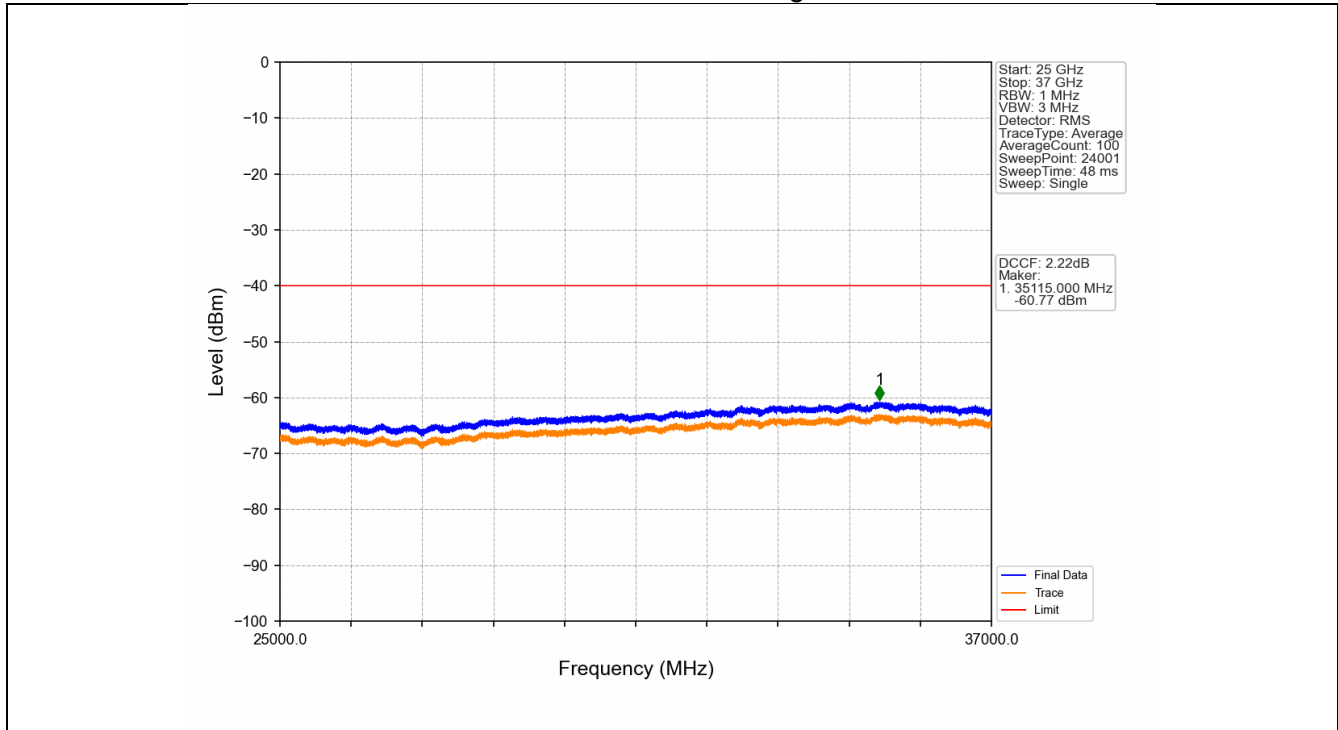
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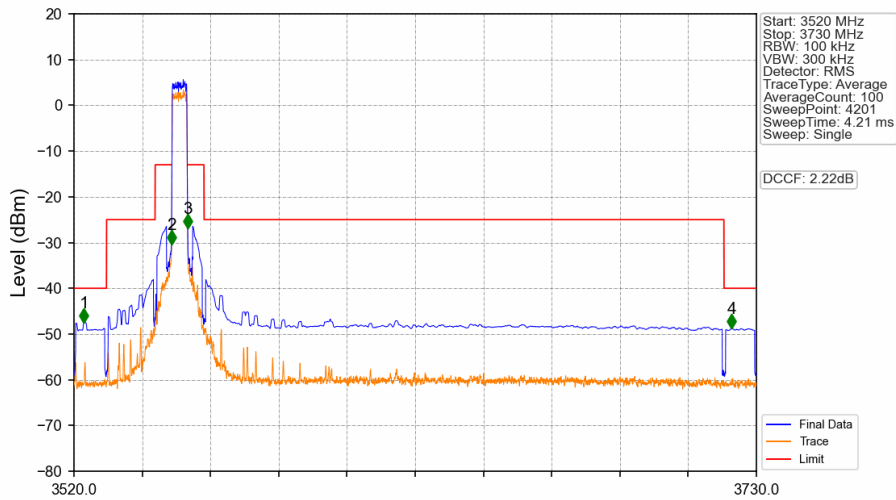
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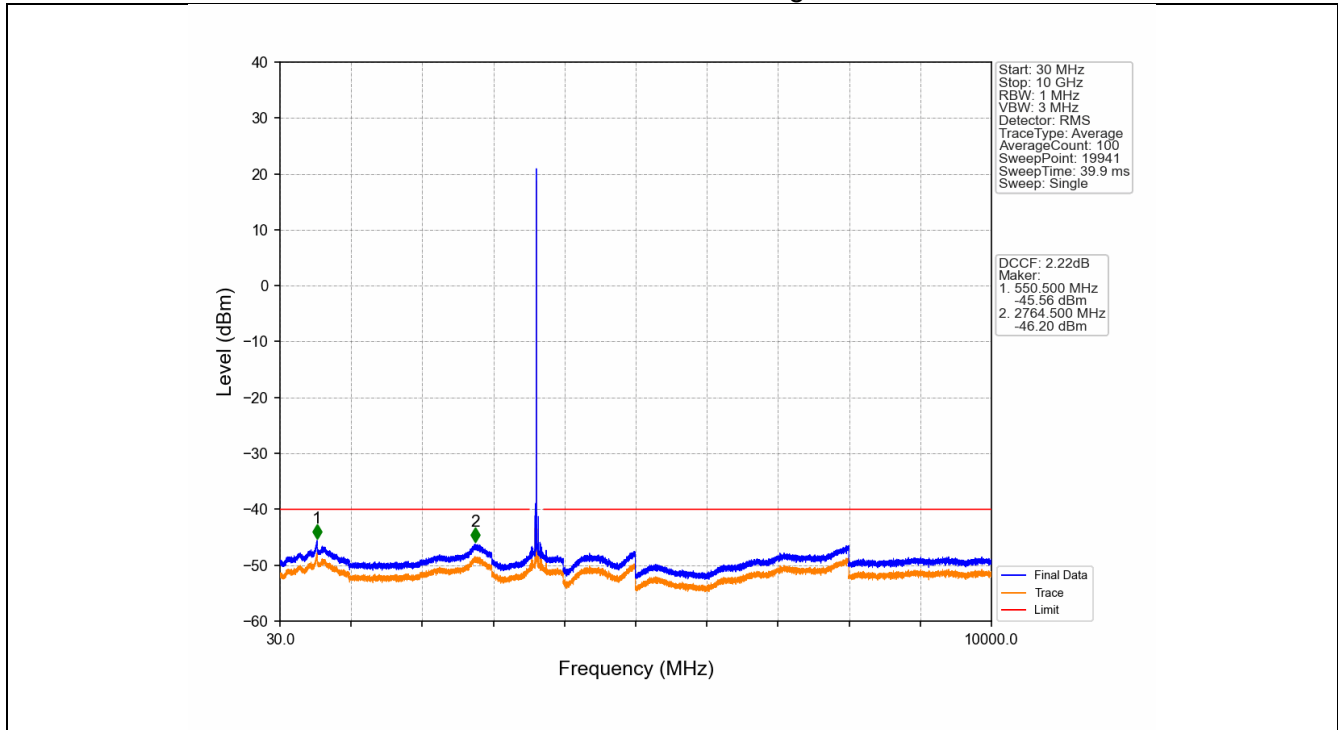
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3549	3550	0.1	/	2	3550.000	-30.50	-13	Pass
3550	3555	0.1	/	3	3555.000	-26.92	-13	Pass
3555	3556	0.1	/	4	3722.350	-48.77	-40	Pass

Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



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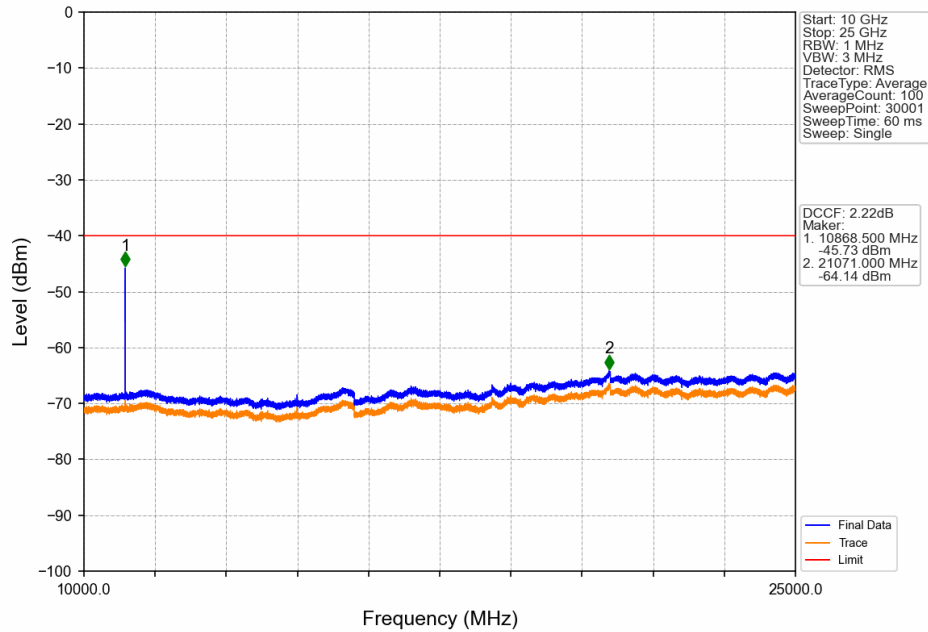


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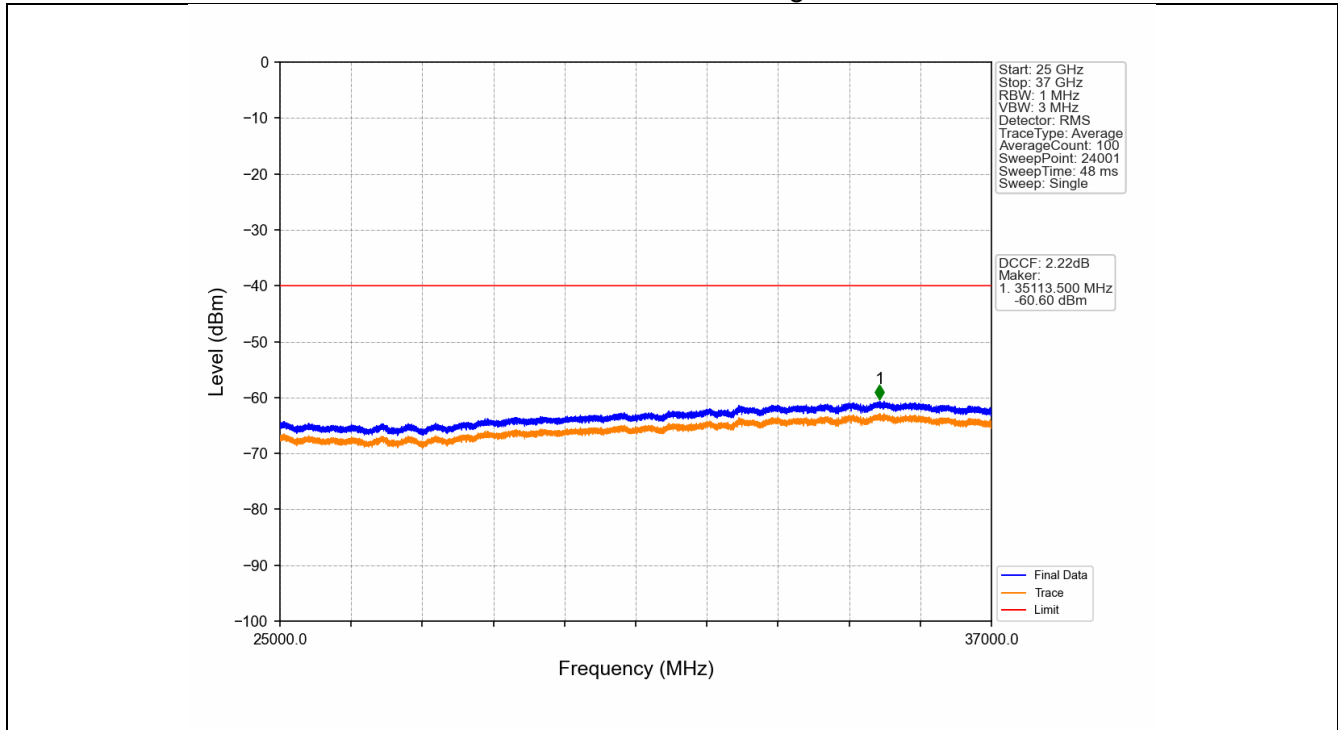
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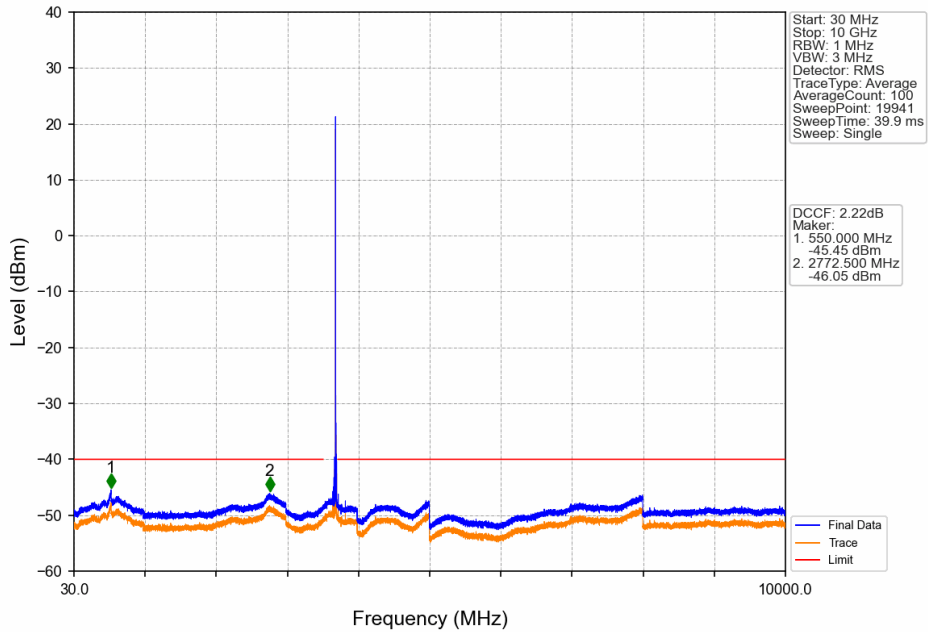
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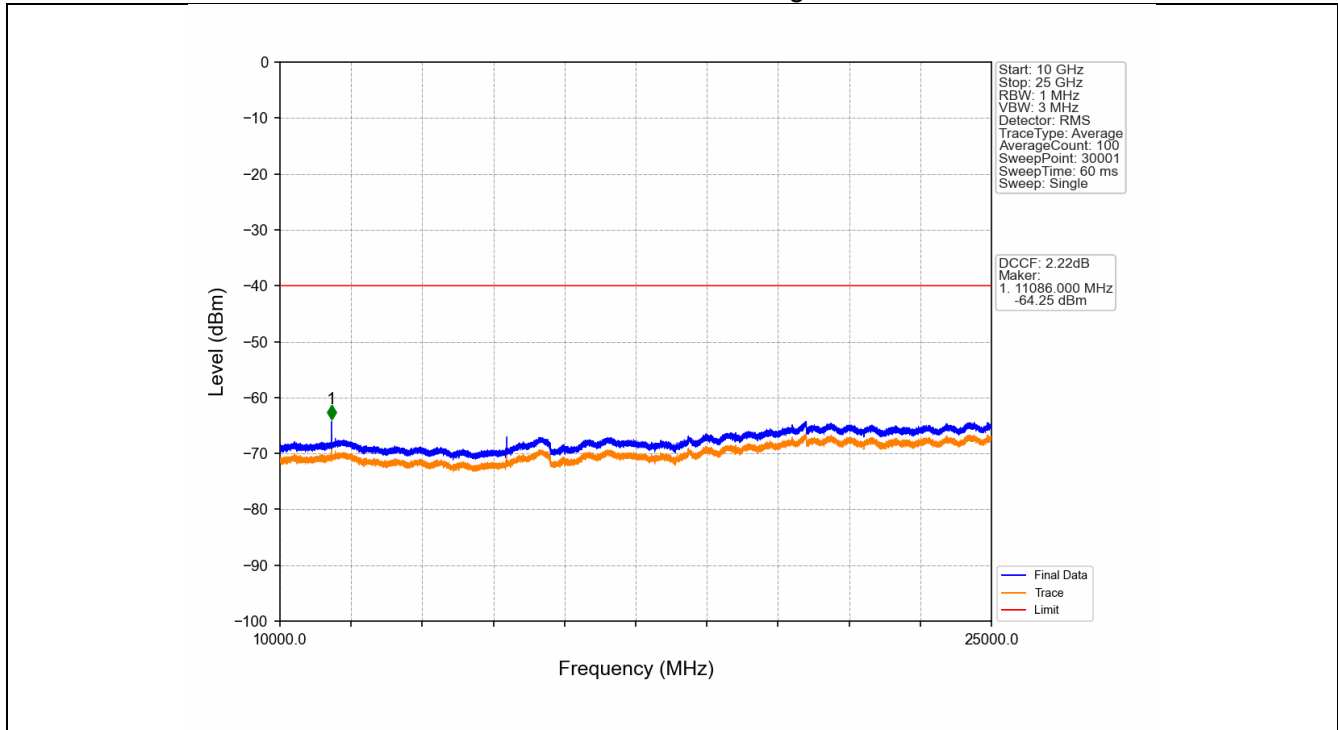


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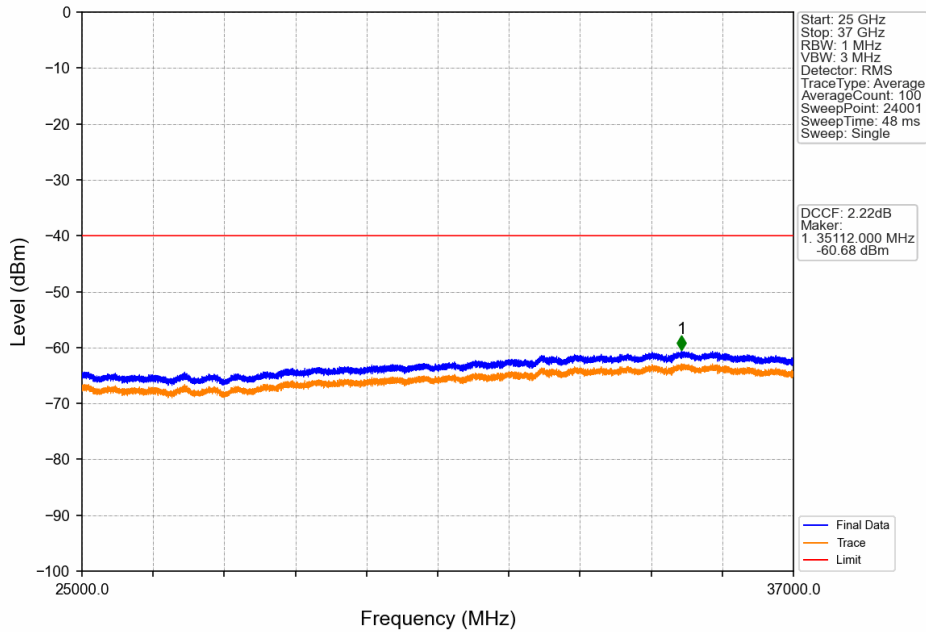
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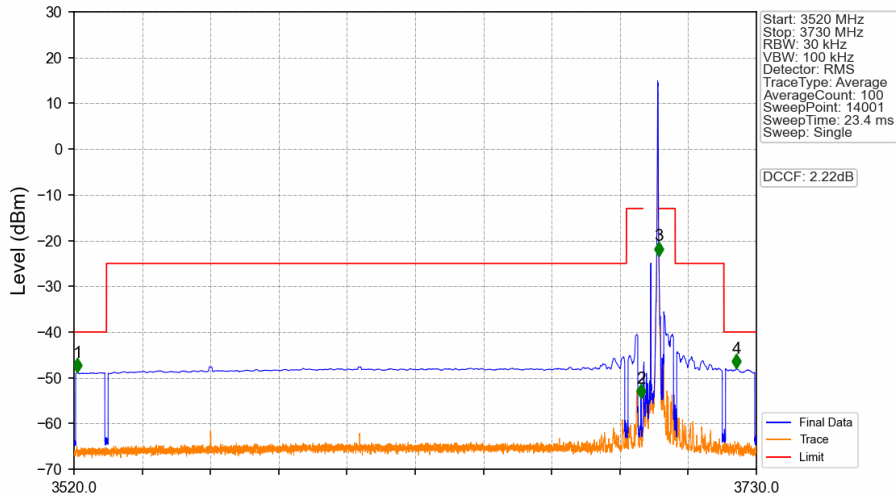
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3694	1	CHP	1	3521.110	-48.90	-40	Pass
3694	3695	0.03	/	2	3694.495	-54.43	-13	Pass
3695	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	3	3700.000	-23.35	-13	Pass
3701	3730	1	CHP	4	3723.850	-47.97	-40	Pass



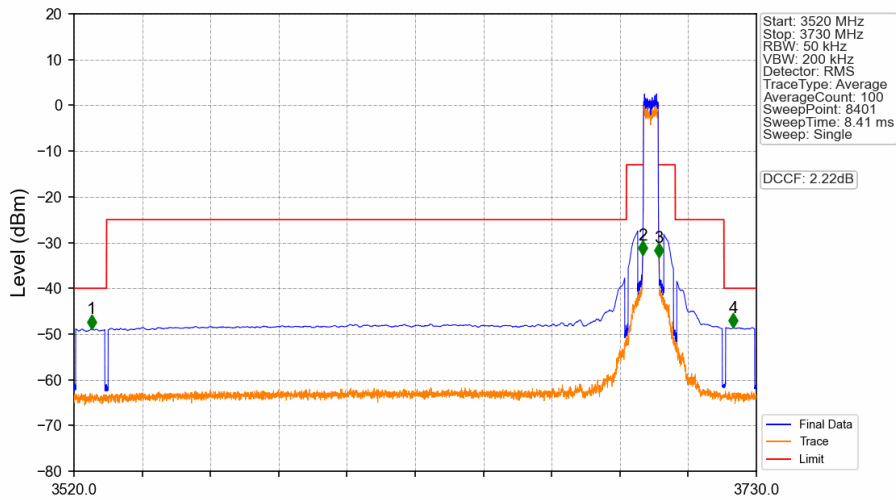
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3694	1	CHP	1	3525.375	-48.88	-40	Pass
3694	3695	0.05	/	2	3695.000	-32.74	-13	Pass
3695	3700	0.05	/	3	3700.000	-33.33	-13	Pass
3700	3701	0.05	/	4	3701.000	-48.57	-40	Pass
3701	3730	1	CHP	4	3722.875	-48.57	-40	Pass



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Report No.: SUCR240500014801
Rev.: 01
Page: 100 of 184

5.2 B48_10MHz

5.2.1 Test Result

Table with columns: Modulation, Frequency (MHz), RB Allocation (Size, Offset), Spurious Emission (Result, Limit), and Verdict. Data includes QPSK modulation at frequencies 3555, 3625, and 3695 MHz.

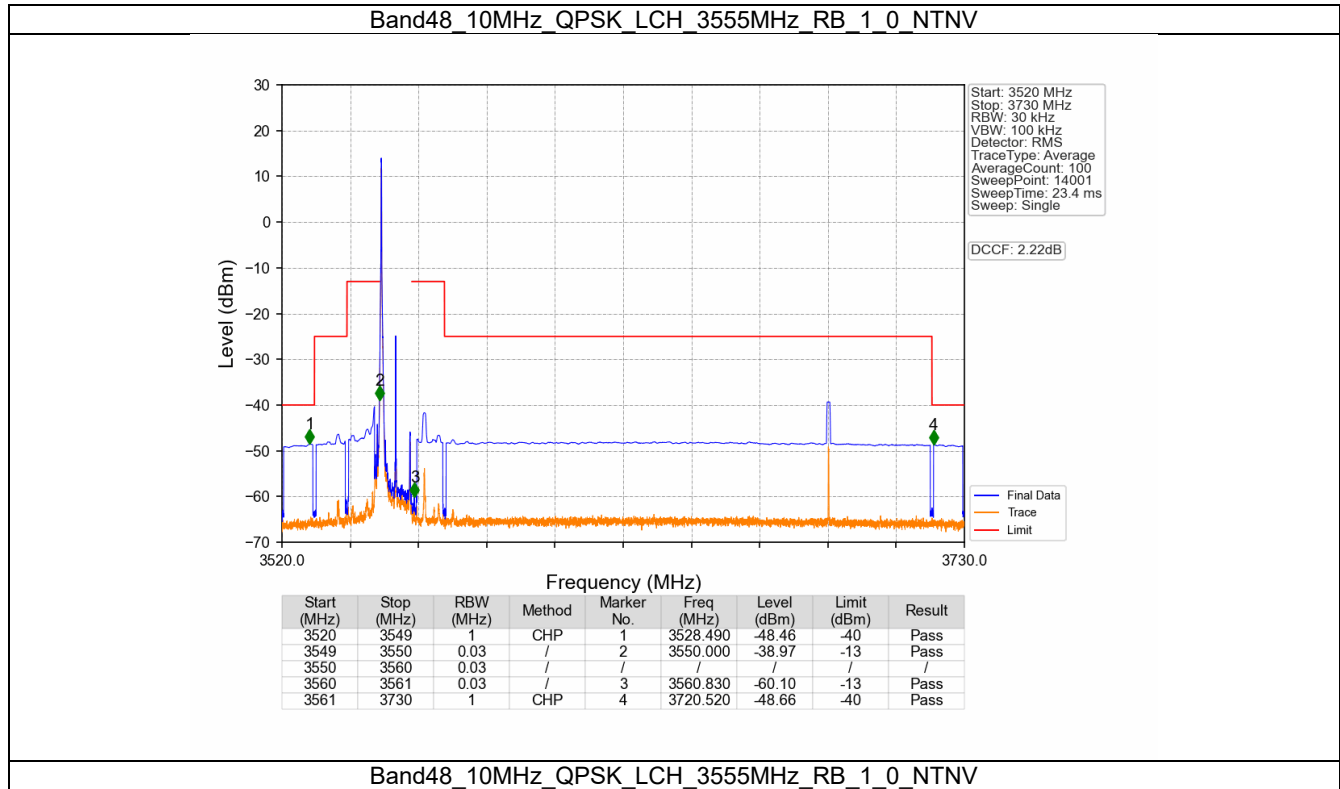


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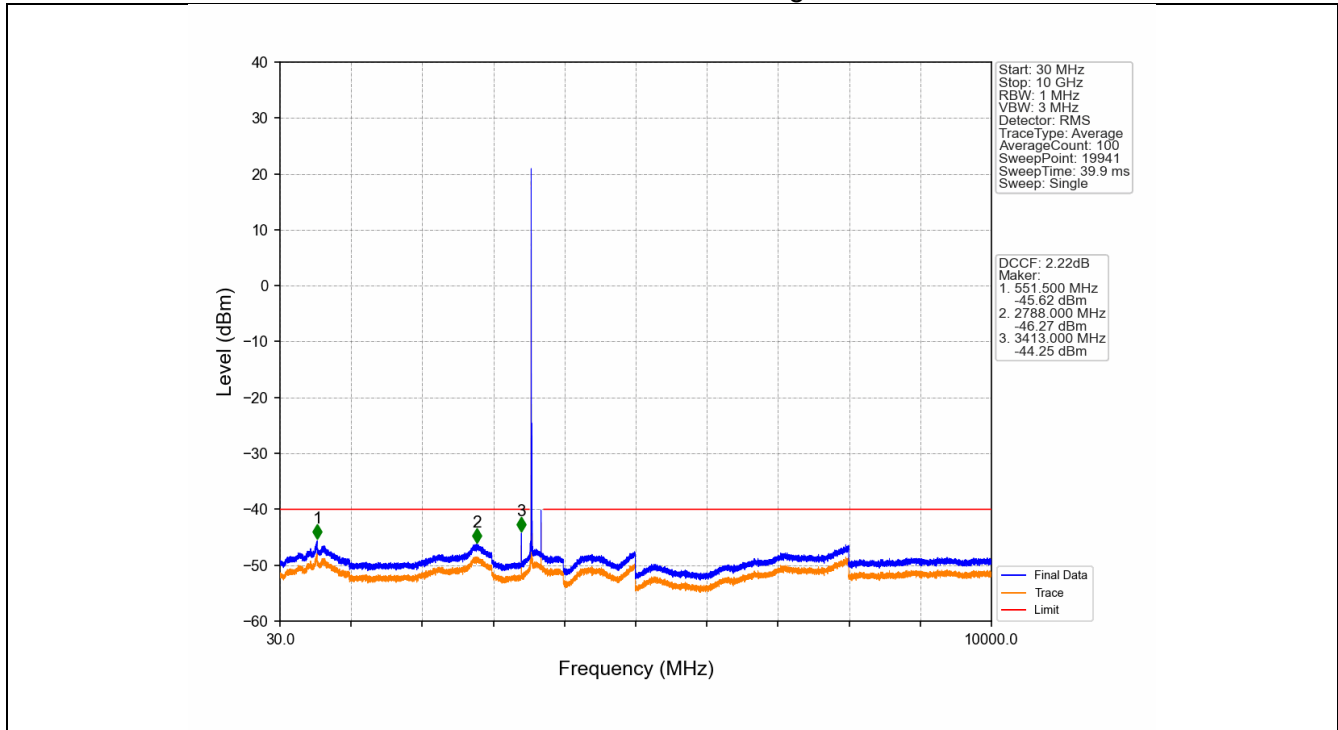
5.2.2 Test Graph



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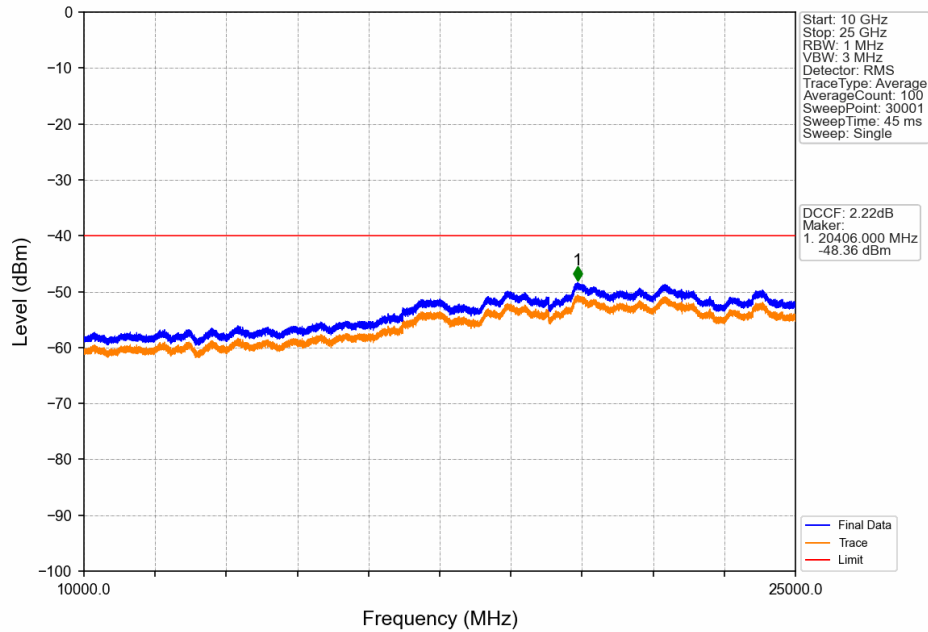


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Band48 10MHz QPSK LCH 3555MHz RB 1 0 NTN



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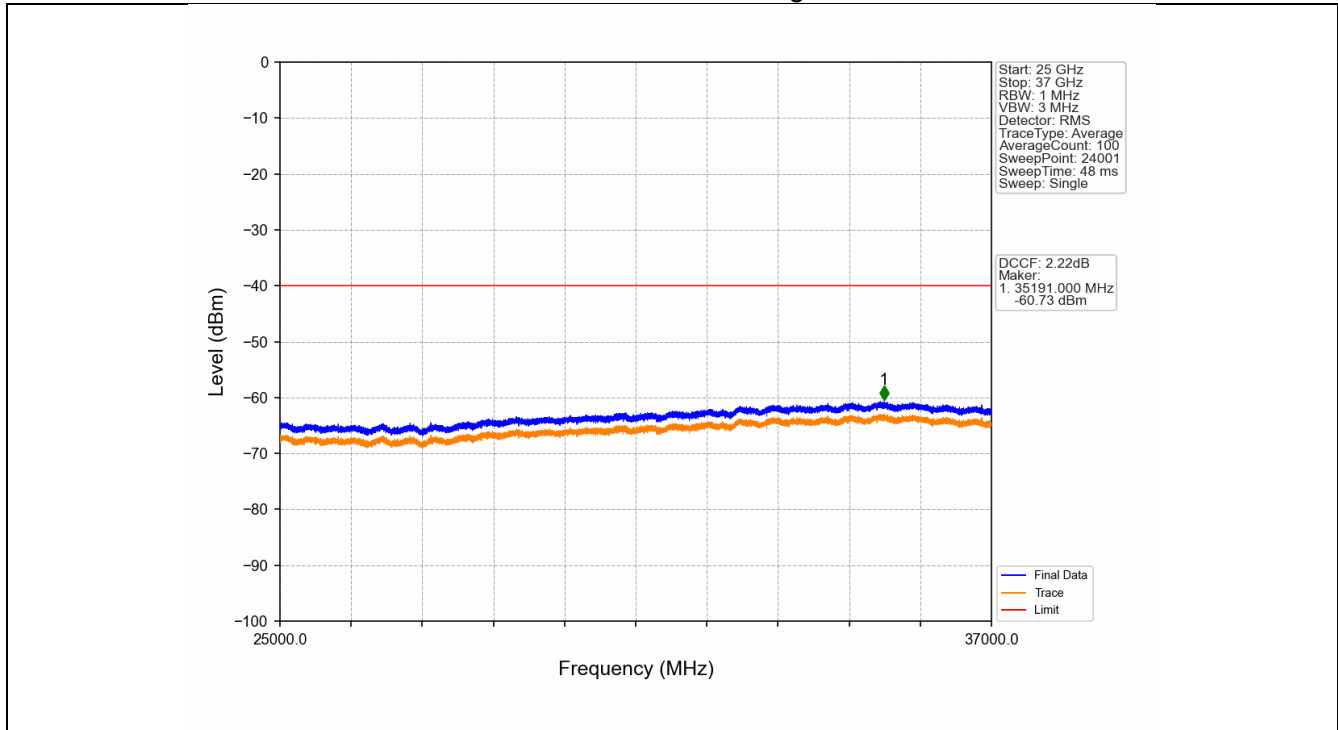


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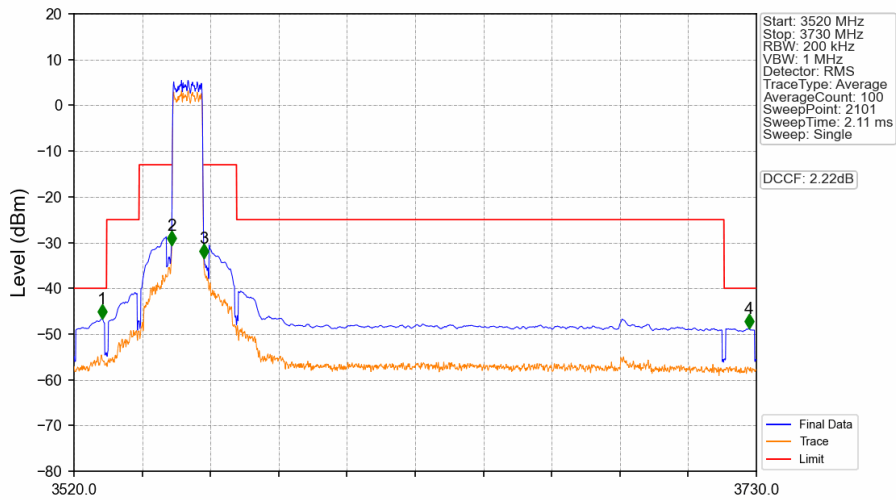
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3549	1	CHP	1	3528.600	-46.69	-40	Pass
3549	3550	0.2	/	2	3550.000	-30.59	-13	Pass
3550	3560	0.2	/	/	/	/	/	/
3560	3561	0.2	/	3	3560.000	-33.40	-13	Pass
3561	3730	1	CHP	4	3727.700	-48.86	-40	Pass

Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV

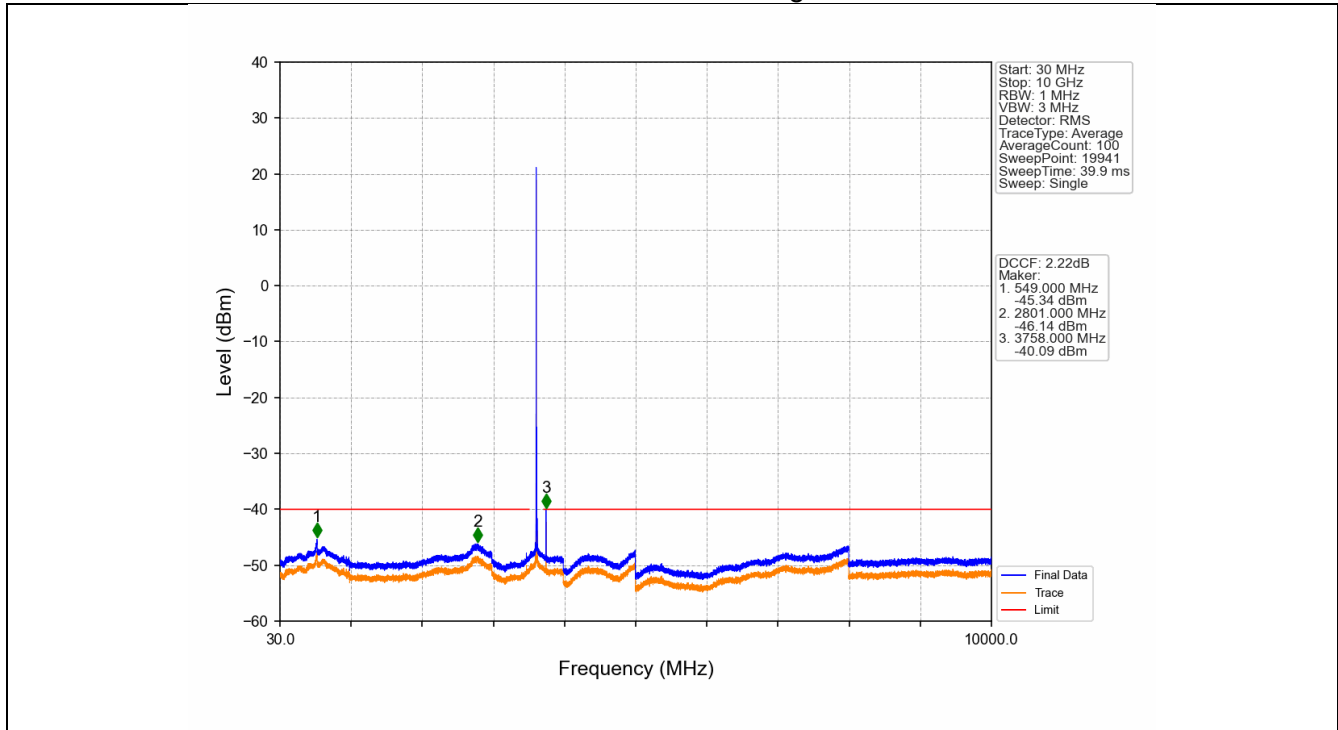


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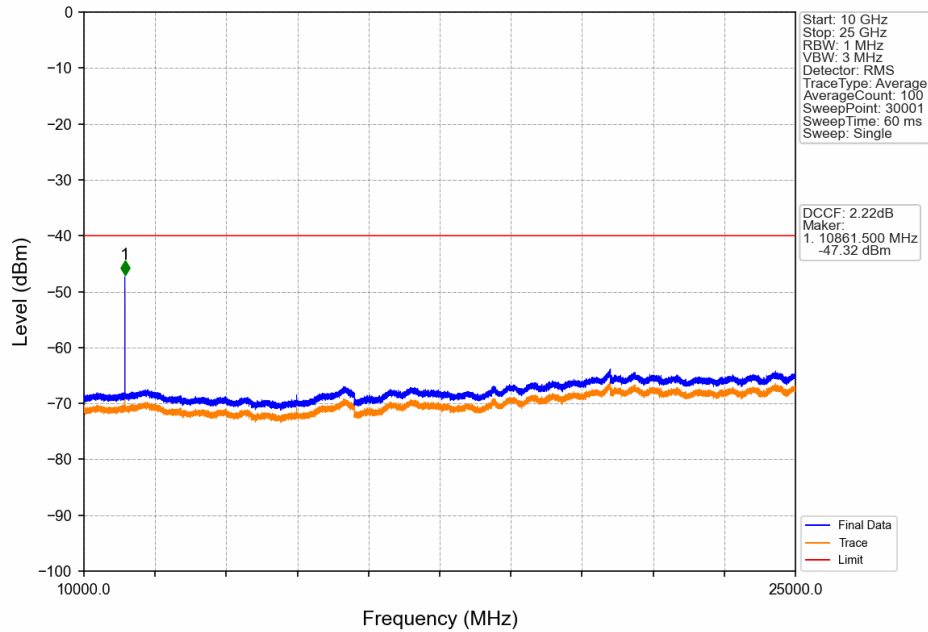


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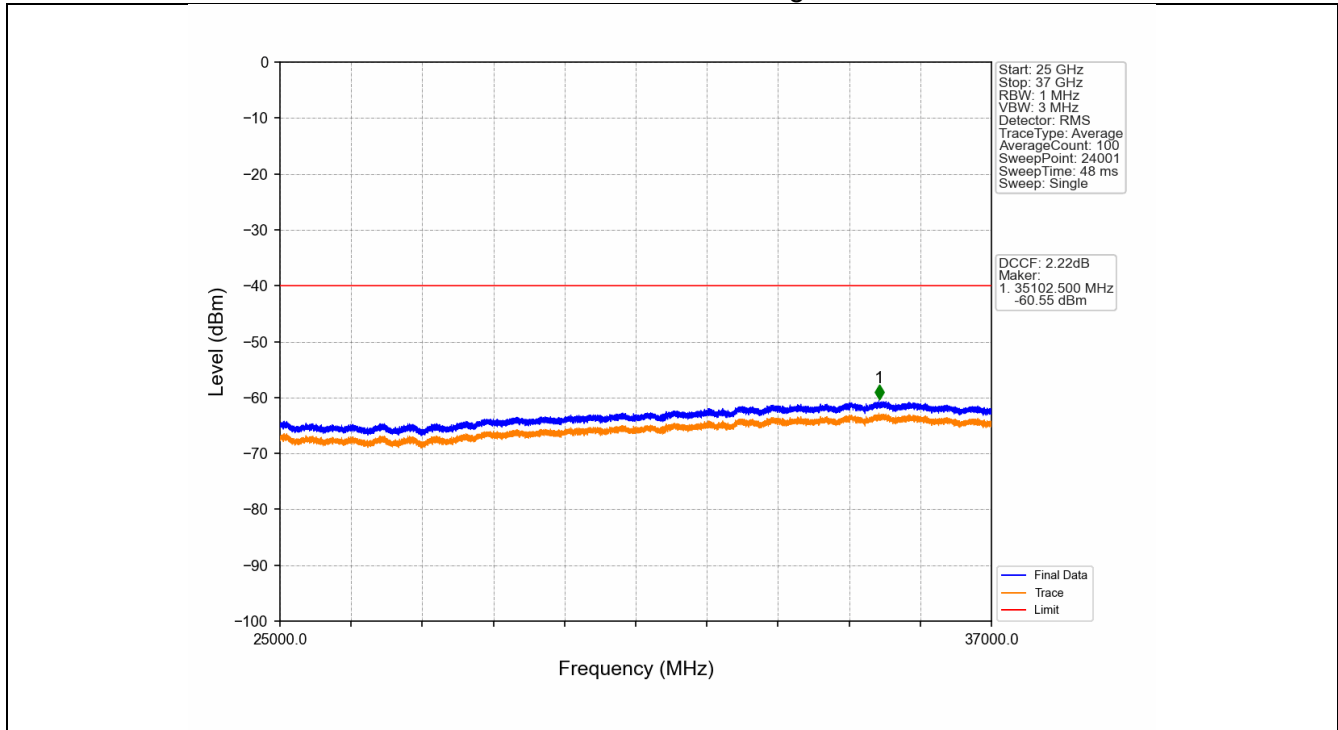
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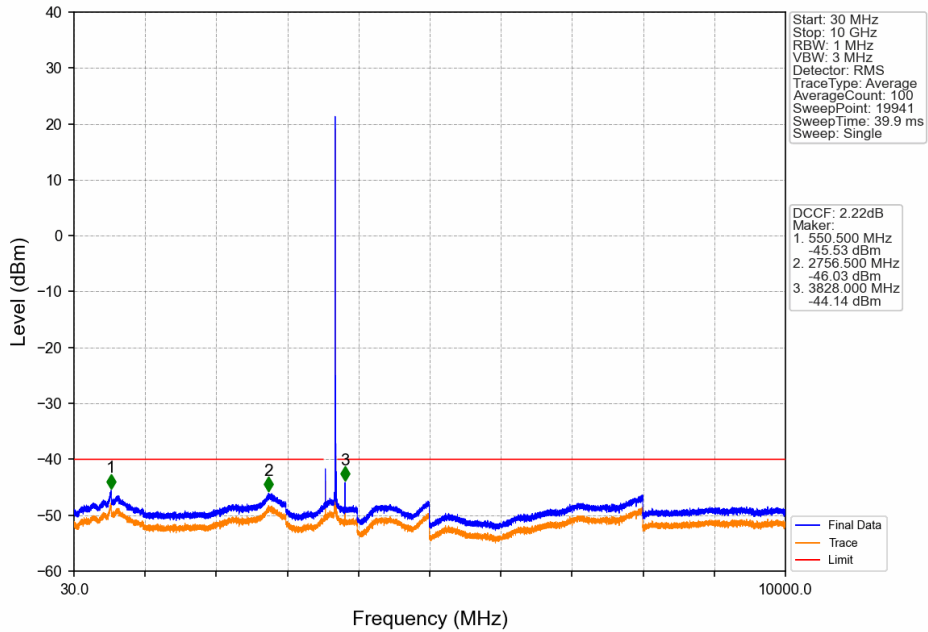
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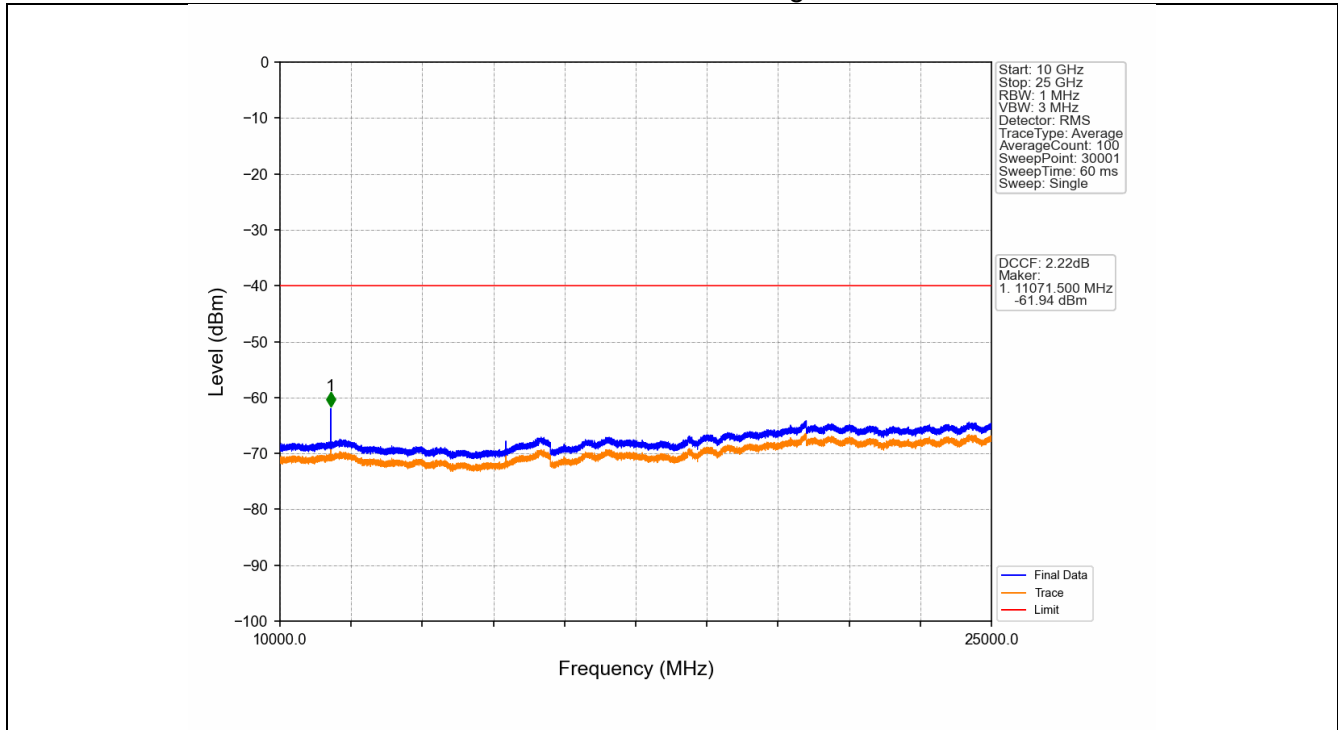
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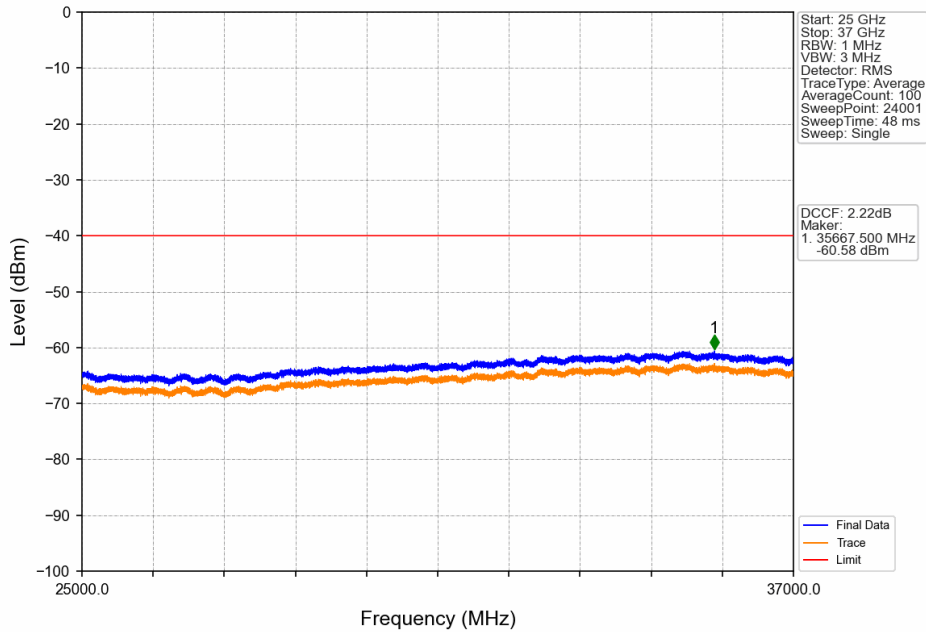
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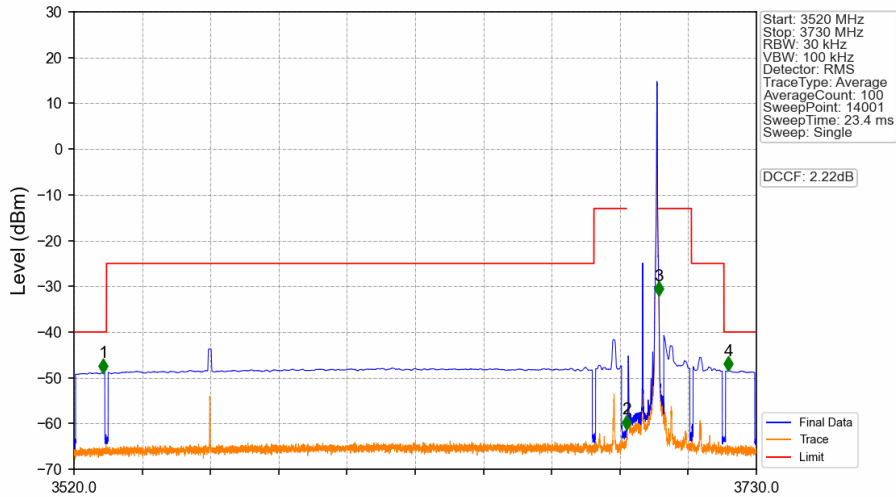
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3520	3689	1	CHP	1	3529.000	-48.92	-40	Pass
3689	3690	0.03	/	2	3689.995	-61.27	-13	Pass
3690	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	3	3700.000	-32.15	-13	Pass
3701	3730	1	CHP	4	3721.405	-48.44	-40	Pass



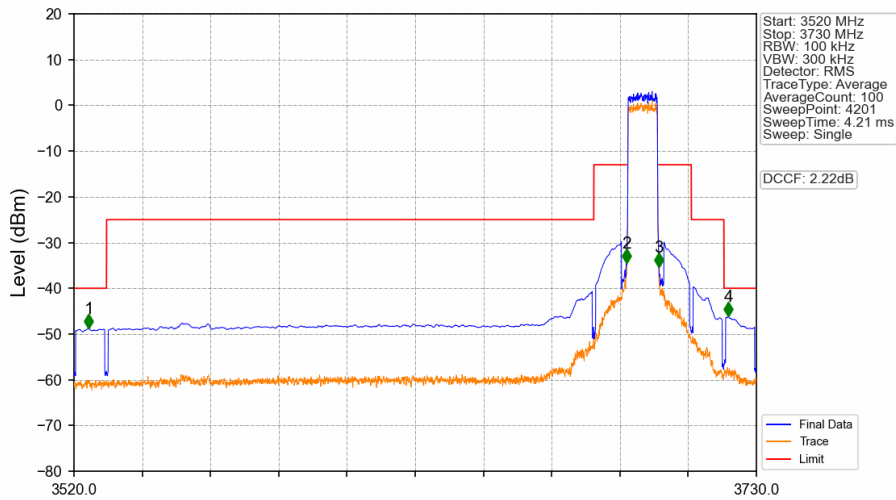
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3689	1	CHP	1	3524.550	-48.79	-40	Pass
3689	3690	0.1	/	2	3690.000	-34.45	-13	Pass
3690	3700	0.1	/	3	3700.000	-35.40	-13	Pass
3700	3701	0.1	/	4	3721.400	-46.19	-40	Pass



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