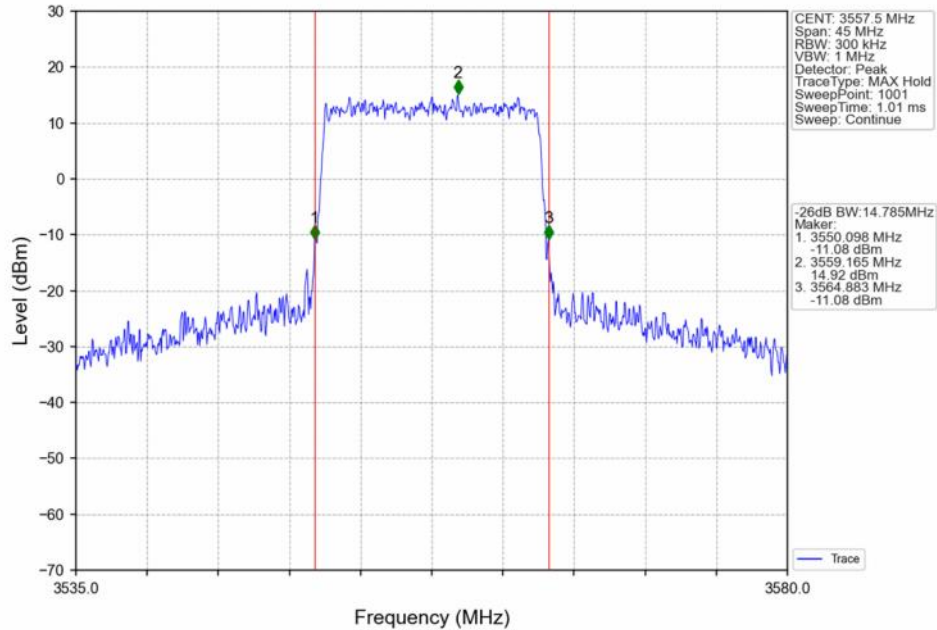


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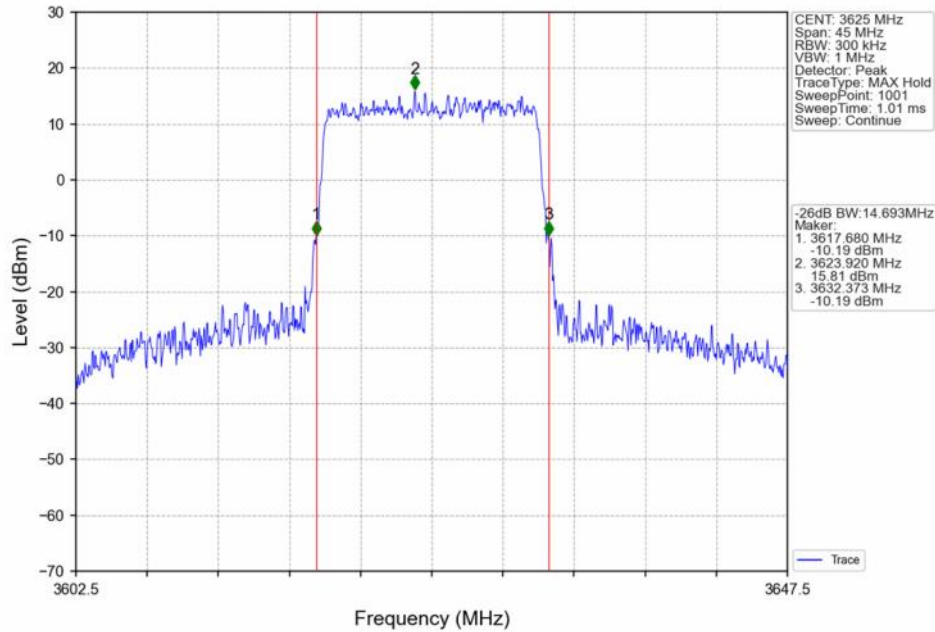
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Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV



Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV



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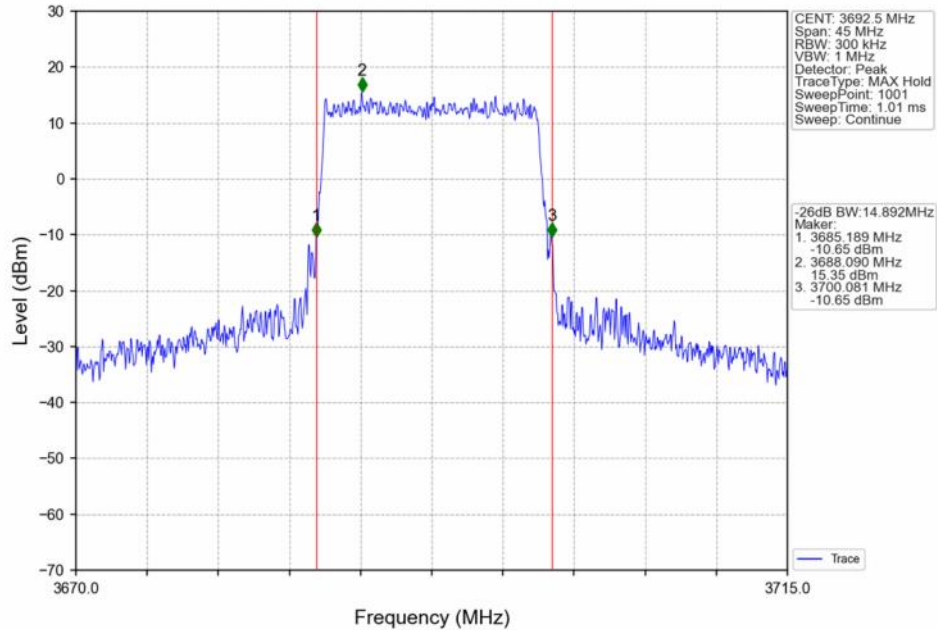
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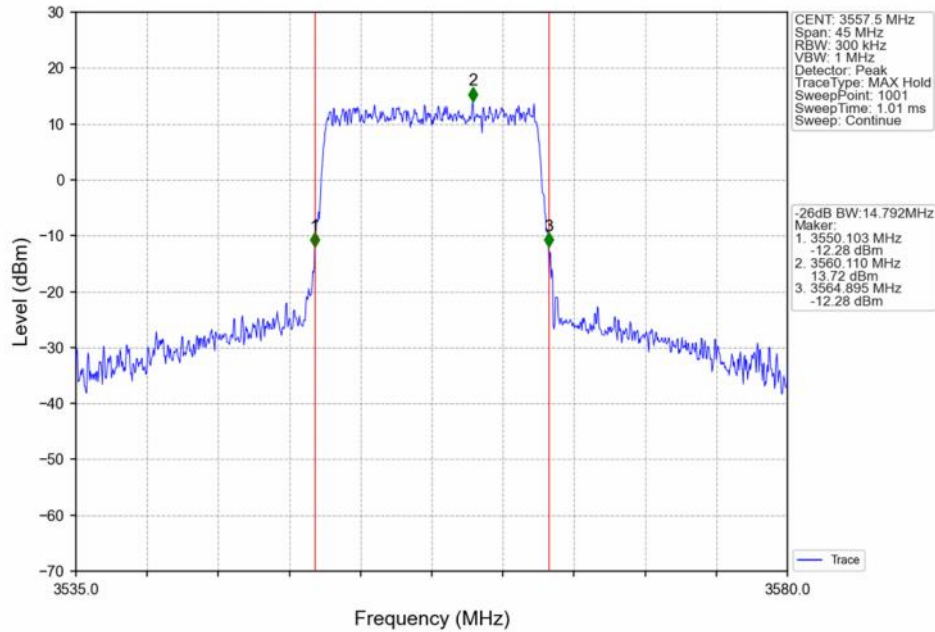
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Band48_15MHz_64QAM_MCH_3625MHz_RB_75_0_NTNV



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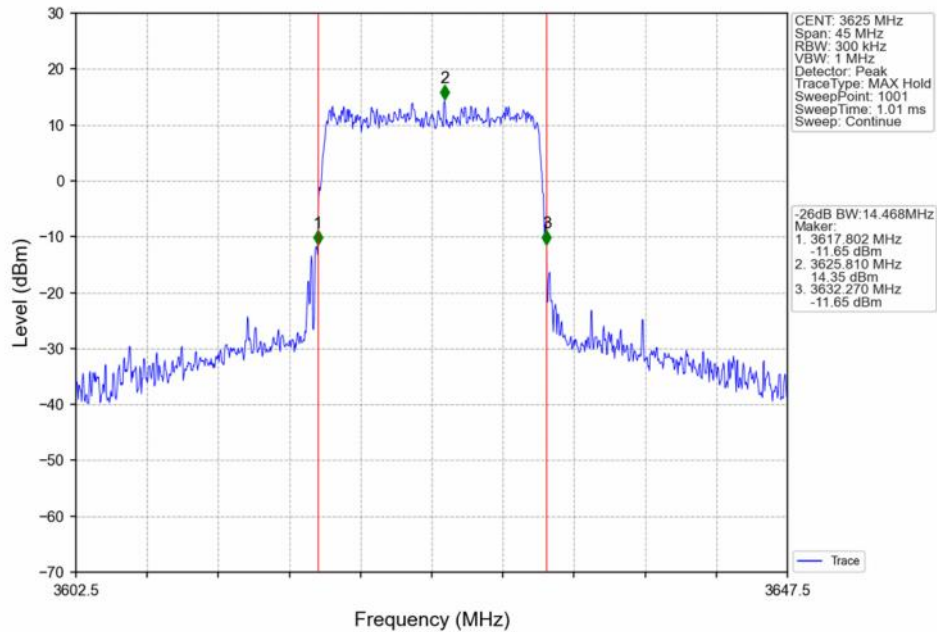
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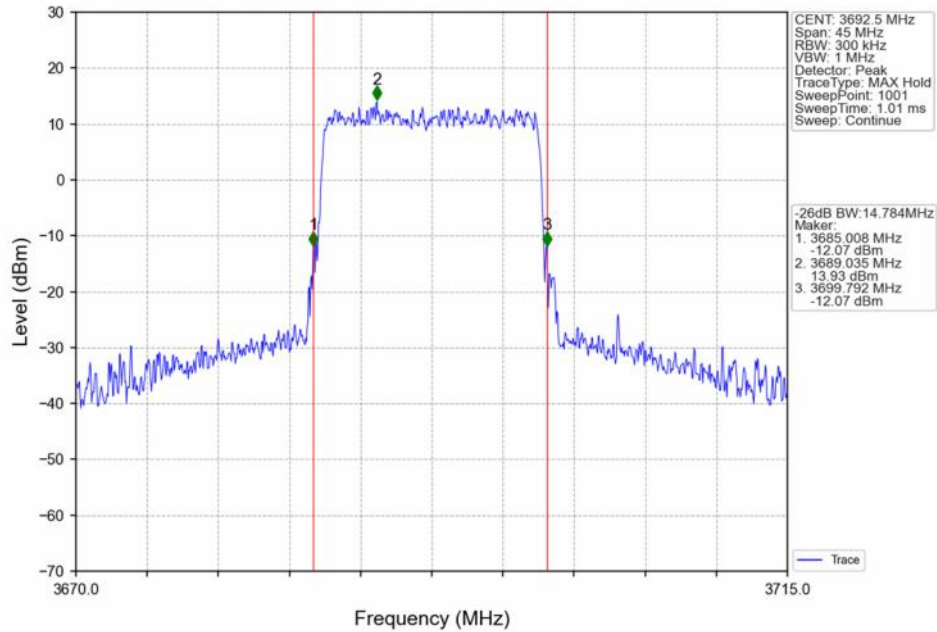
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Band48_15MHz_256QAM_LCH_3557.5MHz_RB_75_0_NTNV



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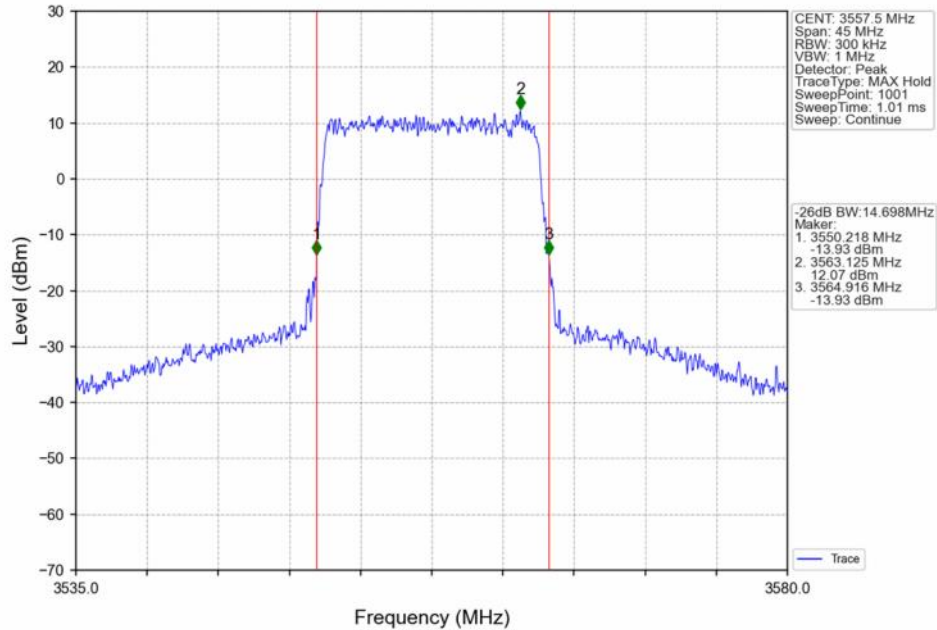
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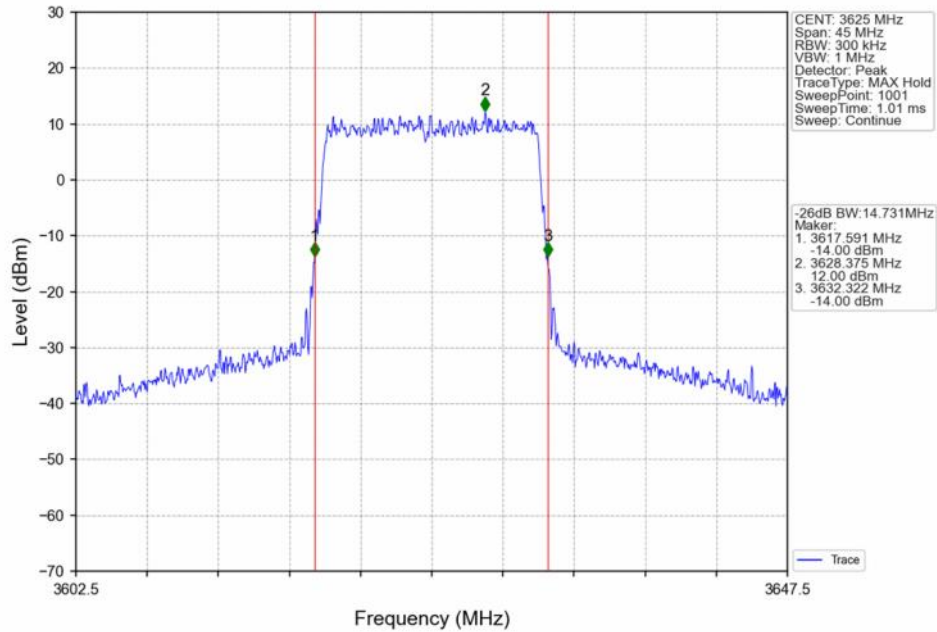
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Band48_15MHz_256QAM_HCH_3692.5MHz_RB_75_0_NTNV



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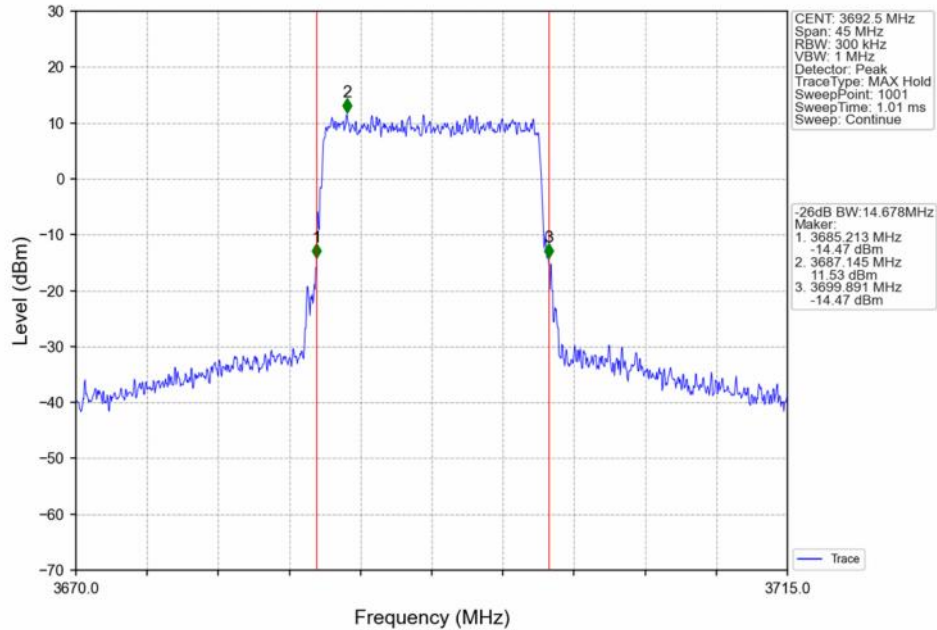
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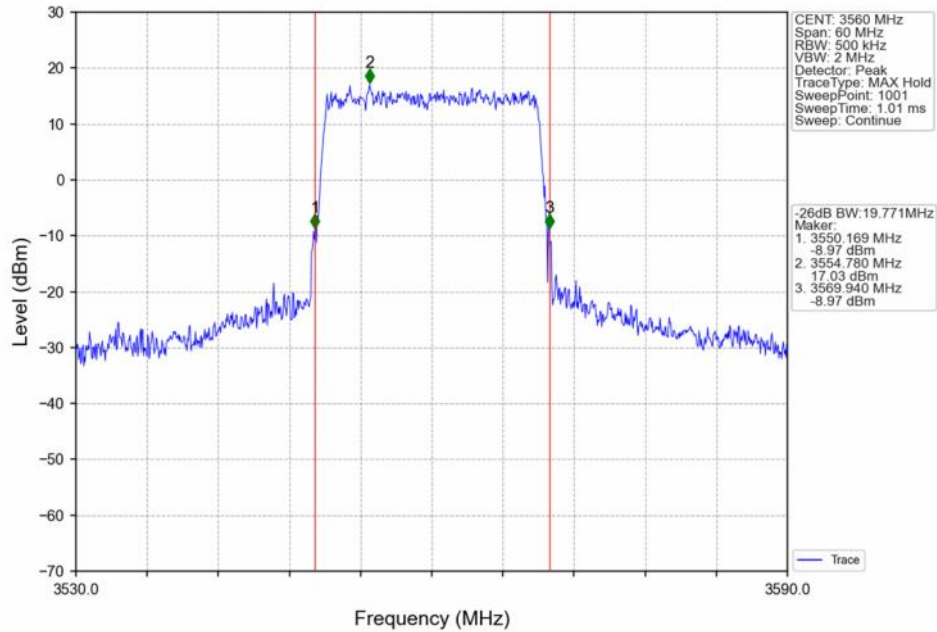
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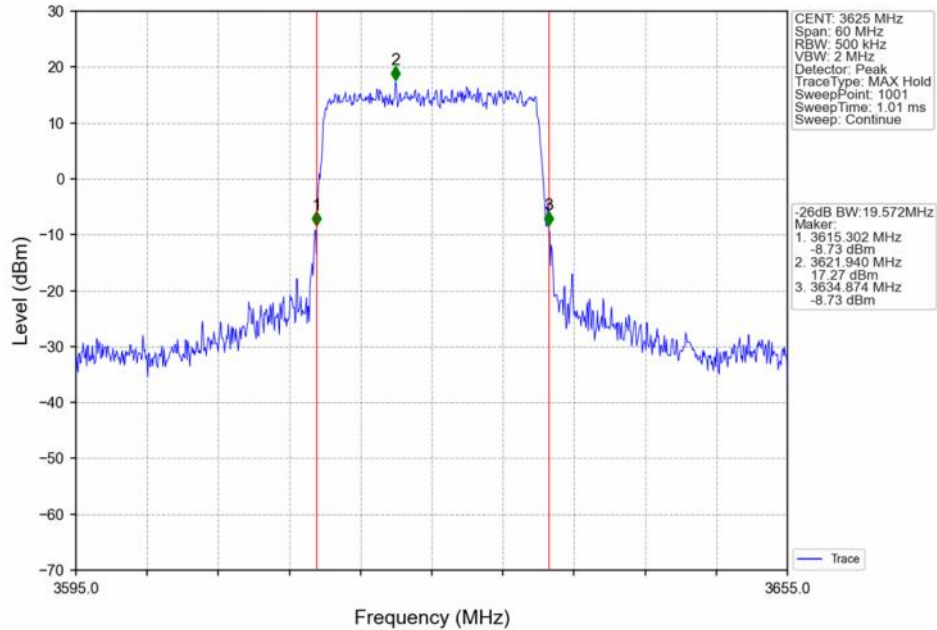
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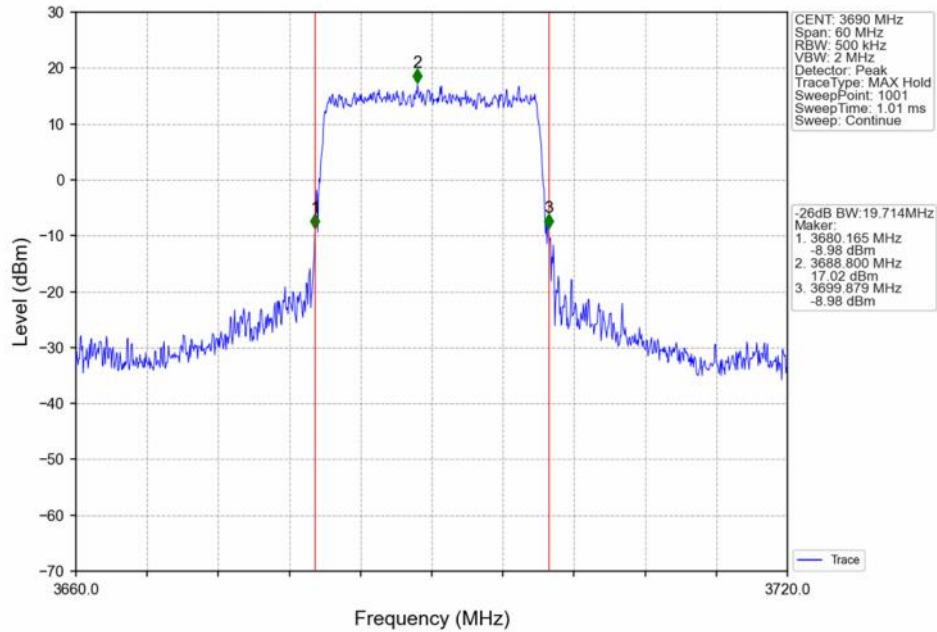
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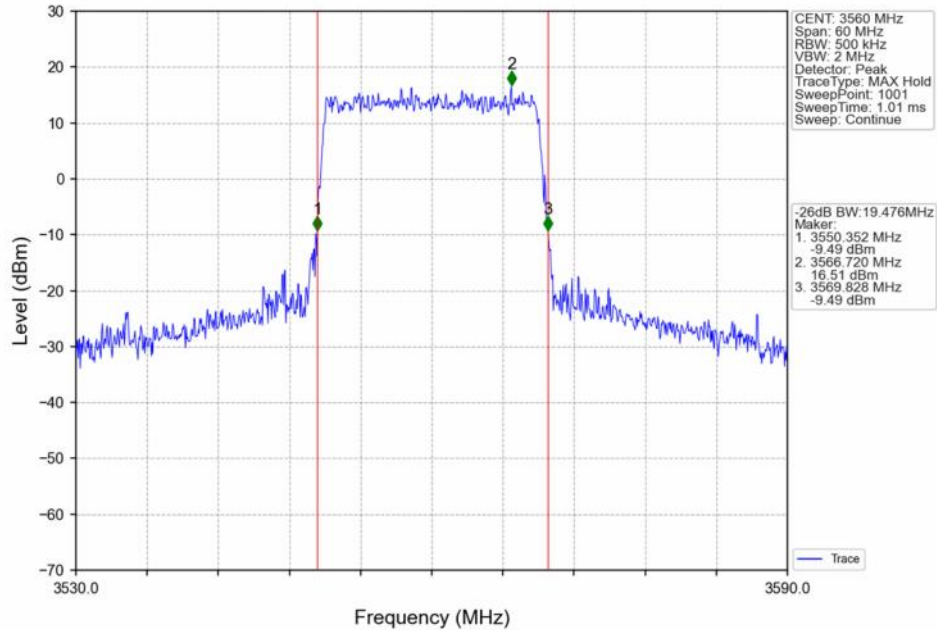
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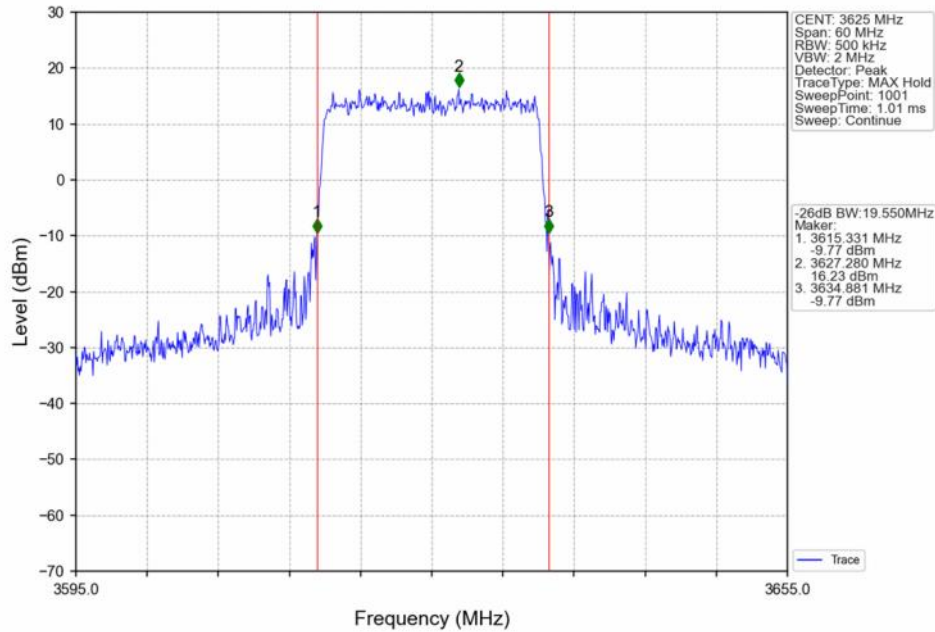
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Band48_20MHz_16QAM_MCH_3625MHz_RB_100_0_NTNV



Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV



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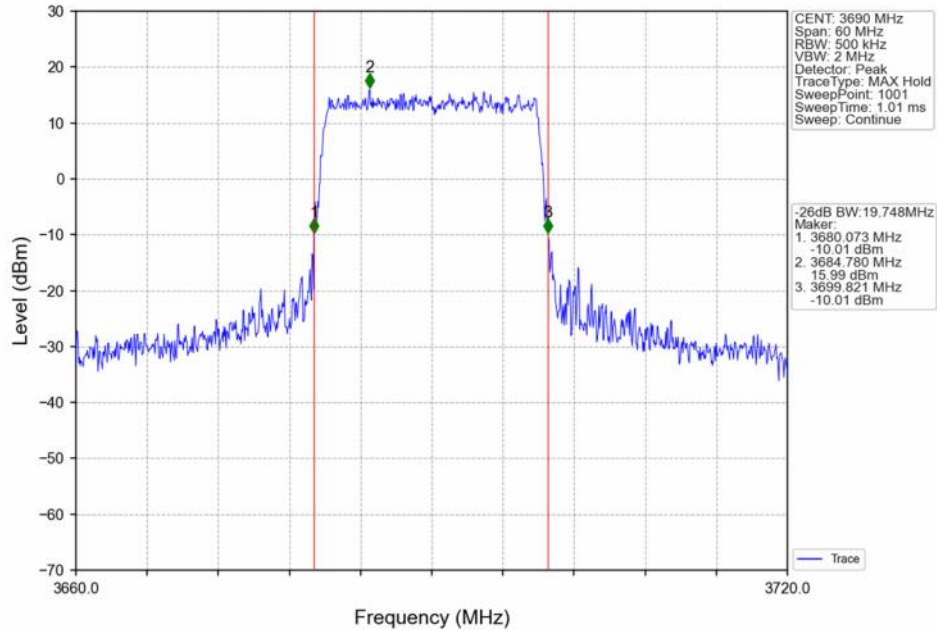
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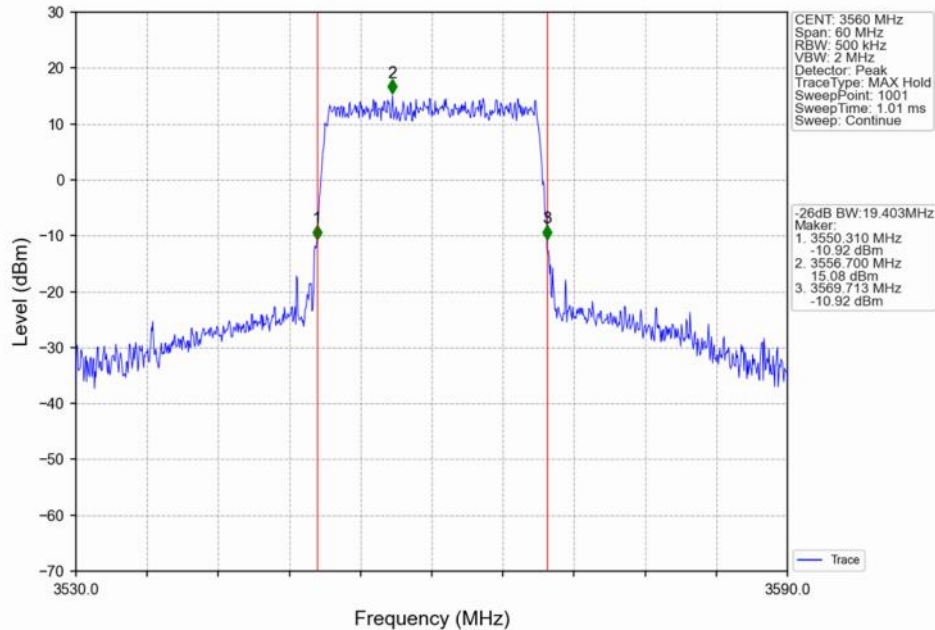
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Band48_20MHz_64QAM_MCH_3625MHz_RB_100_0_NTNV



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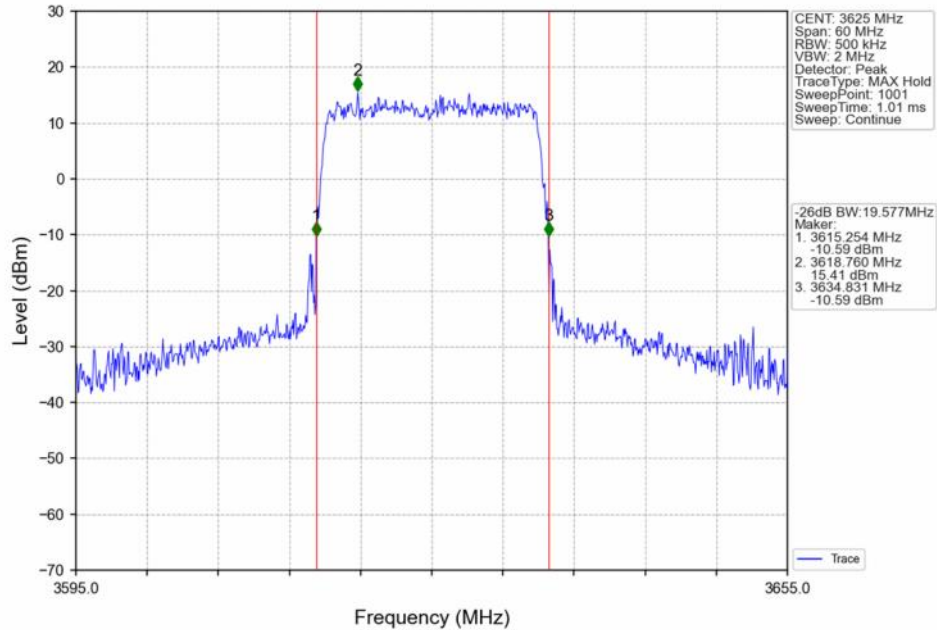
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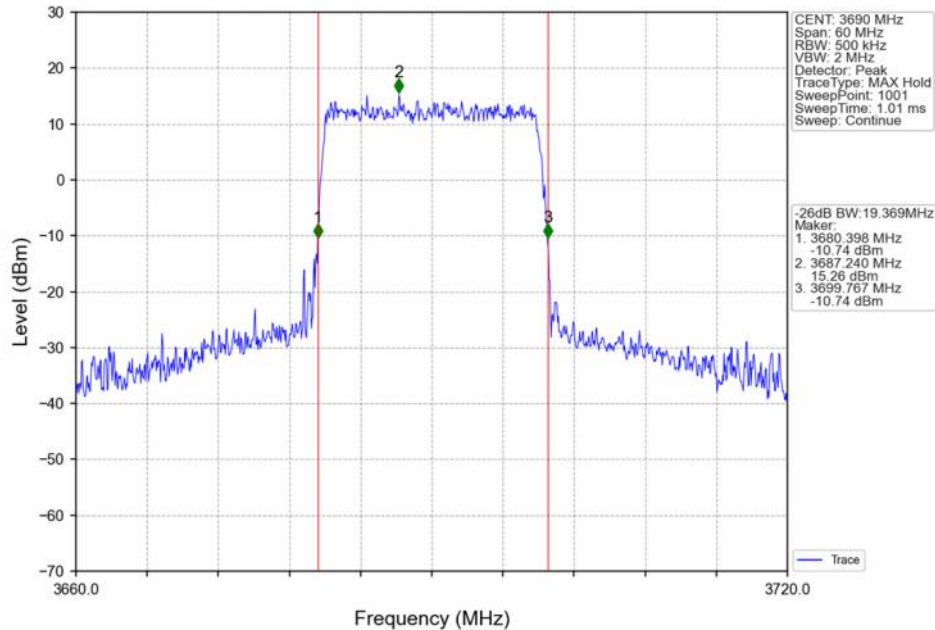
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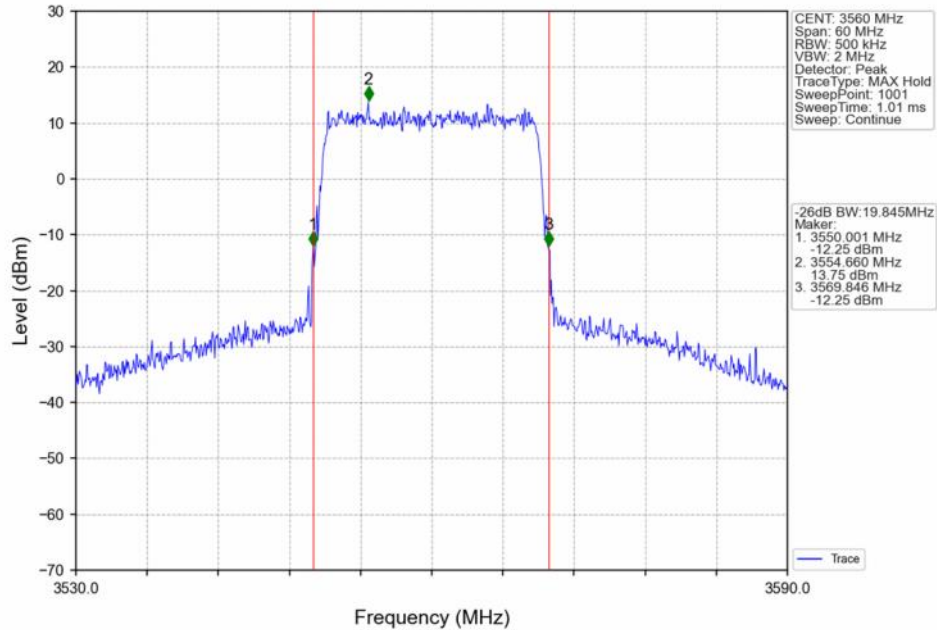
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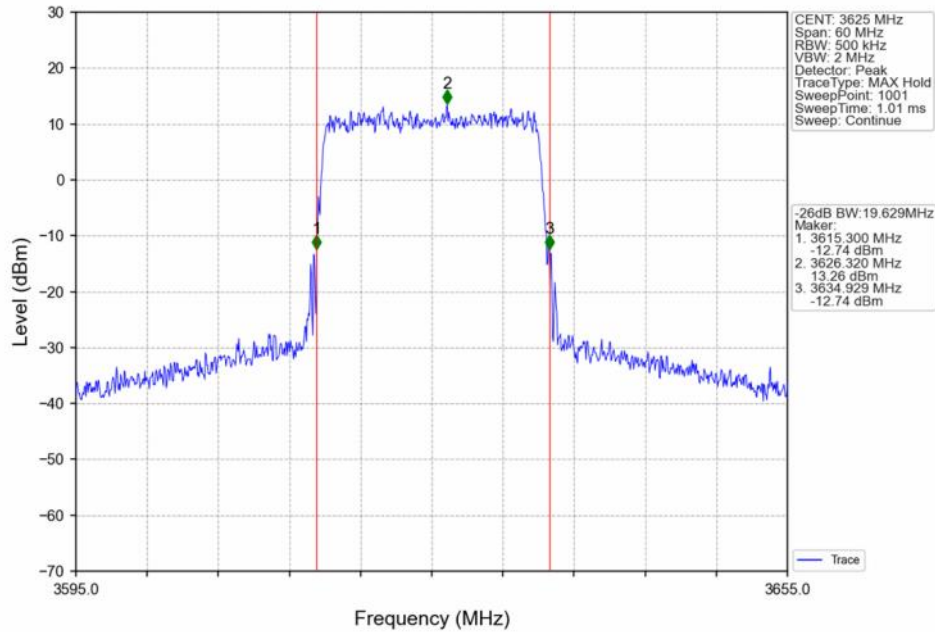
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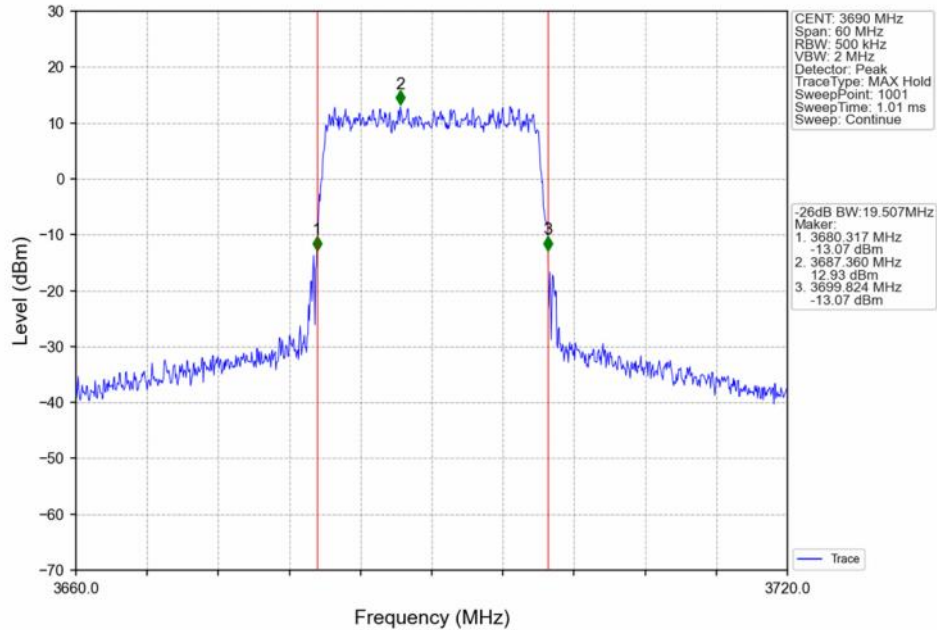
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4. Peak-Average Ratio

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	7.27	<=13	Pass
	3625	25	0	6.99	<=13	Pass
	3697.5	25	0	7.32	<=13	Pass
16QAM	3552.5	25	0	8.14	<=13	Pass
	3625	25	0	8.16	<=13	Pass
	3697.5	25	0	8.20	<=13	Pass
64QAM	3552.5	25	0	8.18	<=13	Pass
	3625	25	0	8.15	<=13	Pass
	3697.5	25	0	8.18	<=13	Pass
256QAM	3552.5	25	0	8.78	<=13	Pass
	3625	25	0	8.60	<=13	Pass
	3697.5	25	0	8.73	<=13	Pass



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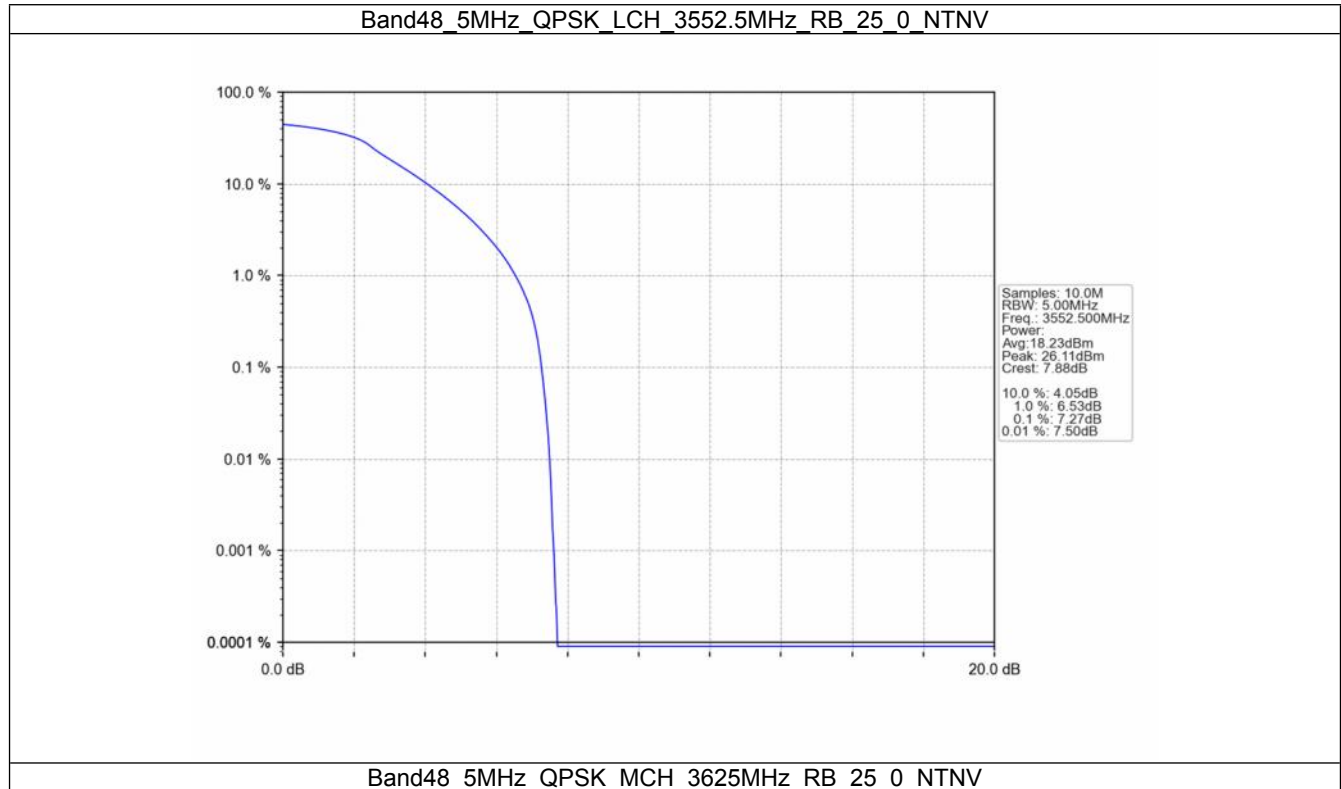
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4.1.2 Test Graph



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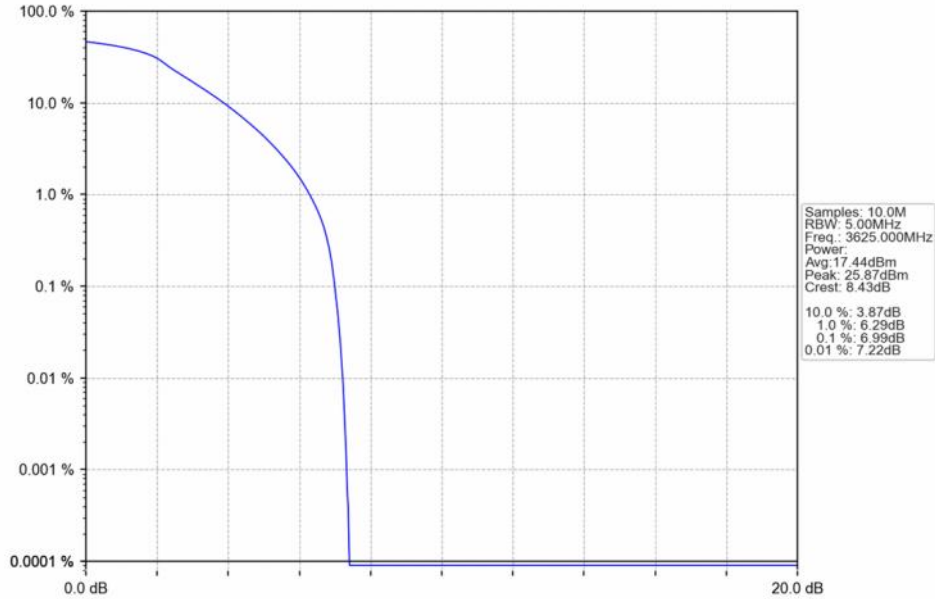
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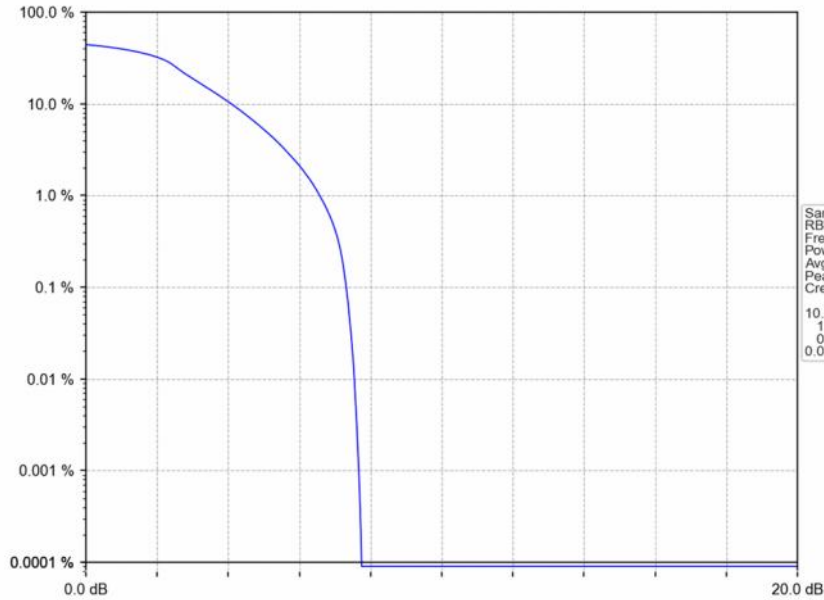
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Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



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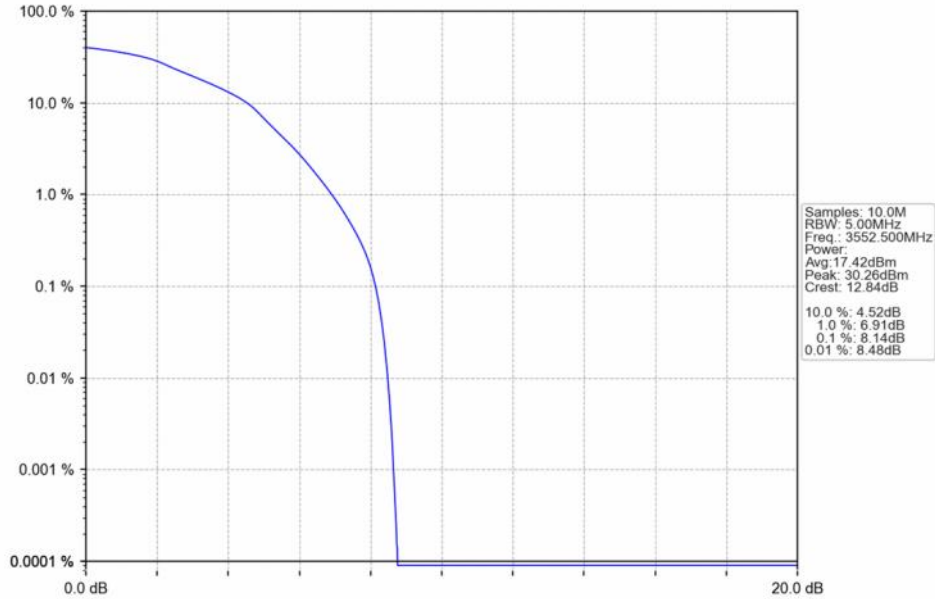
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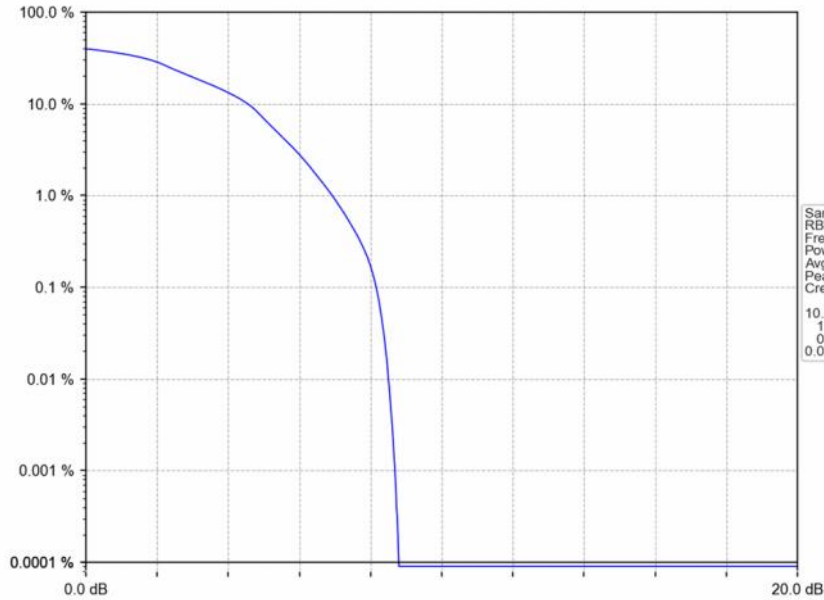
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Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV



Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV



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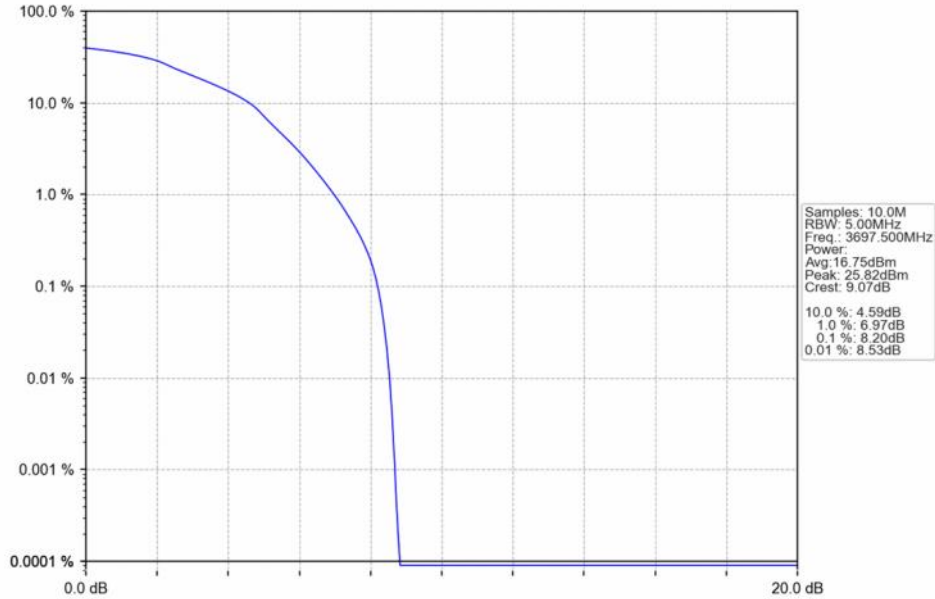
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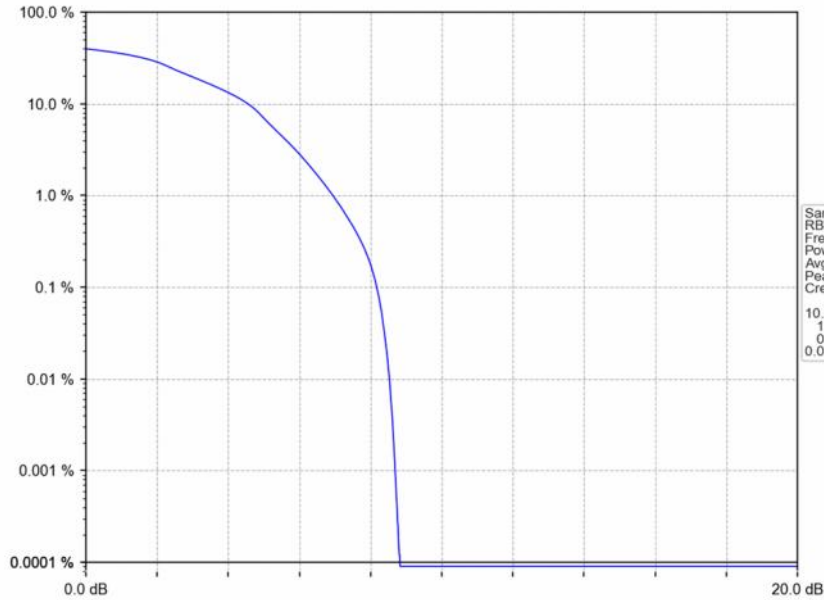
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Band48_5MHz_64QAM_LCH_3552.5MHz_RB_25_0_NTNV



Band48_5MHz_64QAM_MCH_3625MHz_RB_25_0_NTNV



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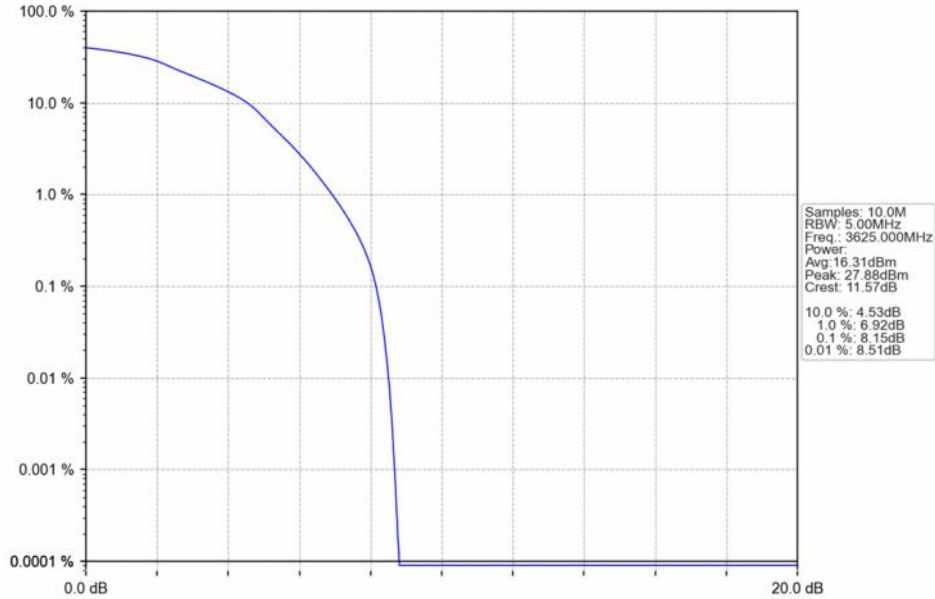
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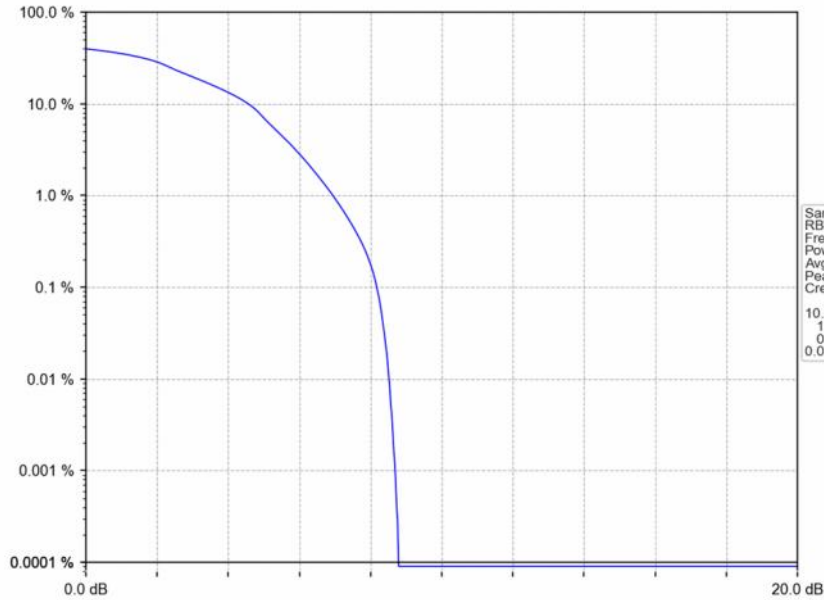
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Band48_5MHz_256QAM_LCH_3552.5MHz_RB_25_0_NTNV



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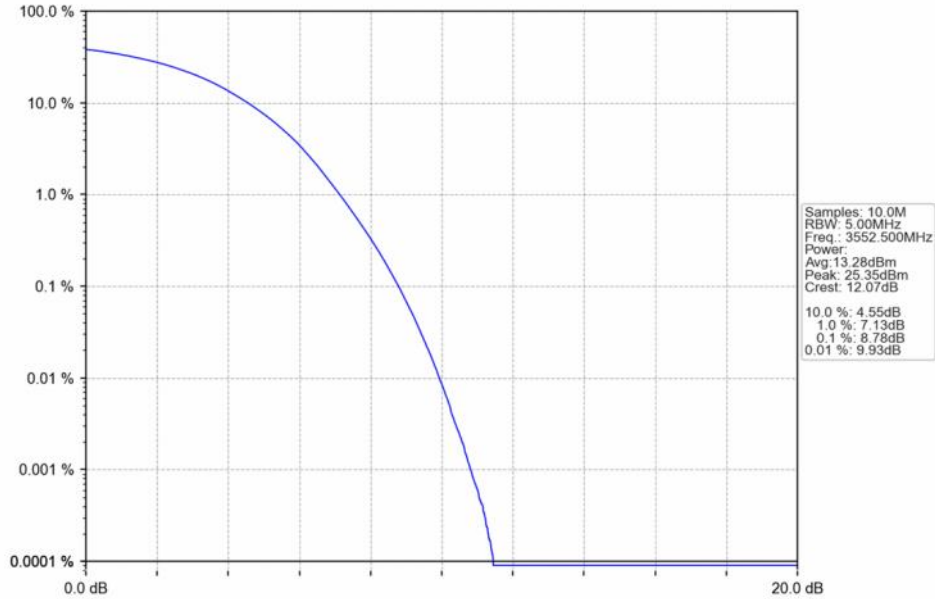
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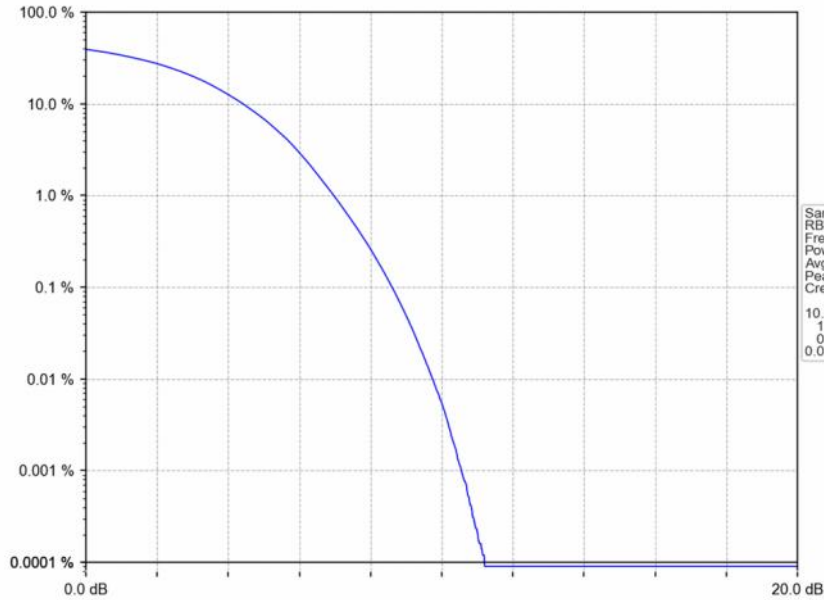
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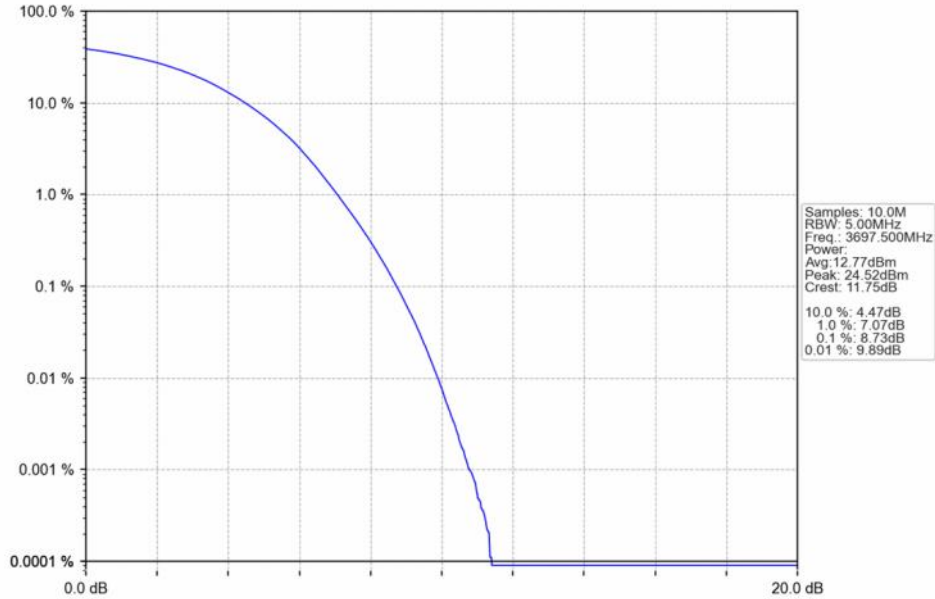
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4.2 B48_10MHz

4.2.1 Test Result

Band: 48 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	50	0	7.15	<=13	Pass
	3625	50	0	7.12	<=13	Pass
	3695	50	0	6.97	<=13	Pass
16QAM	3555	50	0	8.11	<=13	Pass
	3625	50	0	8.21	<=13	Pass
	3695	50	0	8.06	<=13	Pass
64QAM	3555	50	0	8.12	<=13	Pass
	3625	50	0	8.11	<=13	Pass
	3695	50	0	8.06	<=13	Pass
256QAM	3555	50	0	8.53	<=13	Pass
	3625	50	0	8.57	<=13	Pass
	3695	50	0	8.67	<=13	Pass



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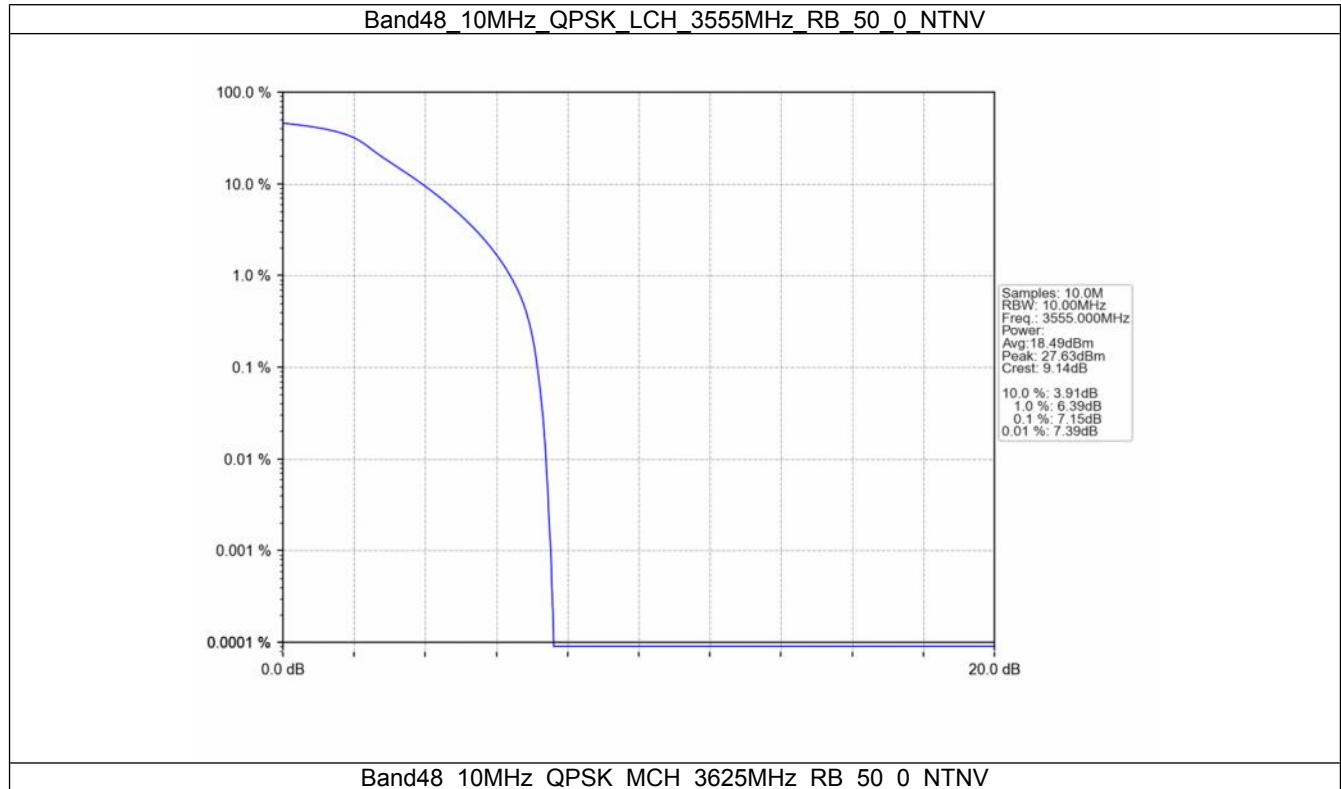
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4.2.2 Test Graph



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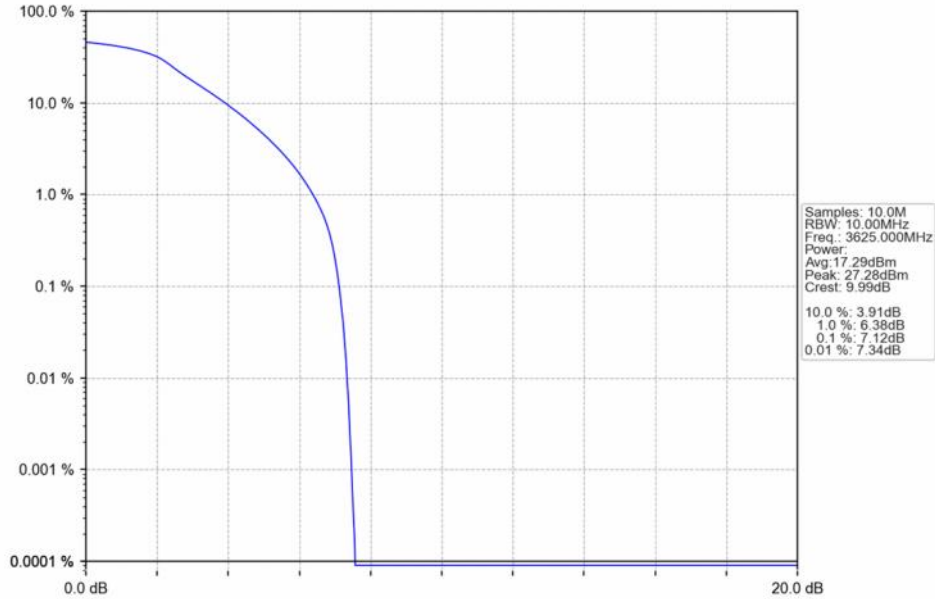
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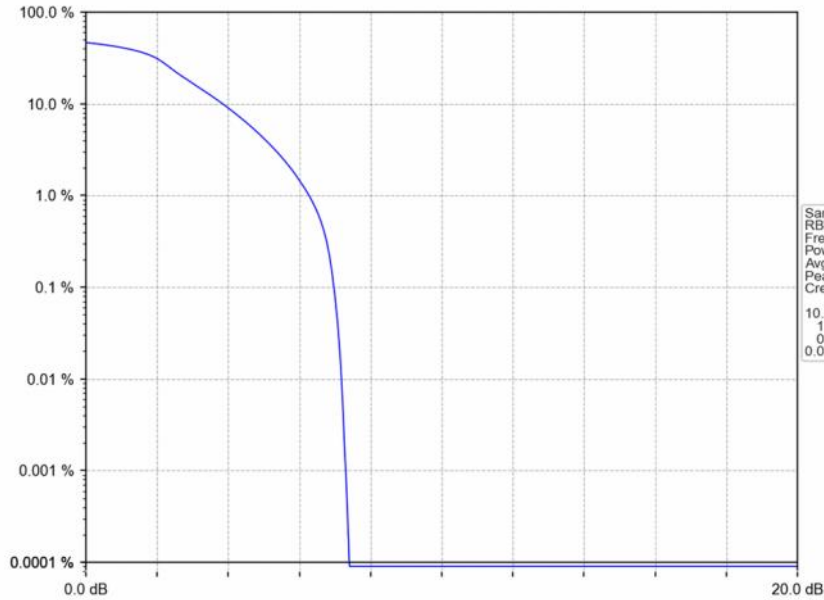
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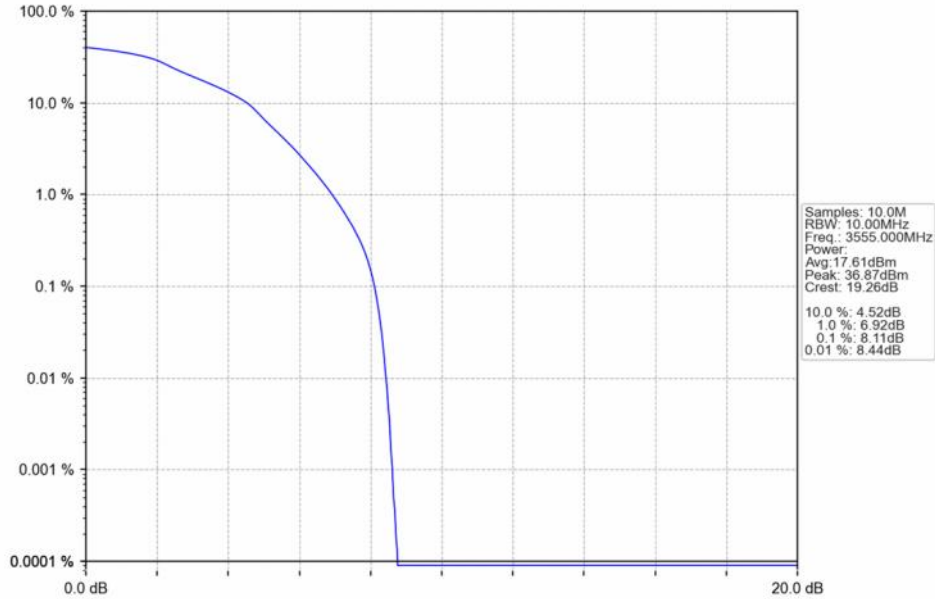
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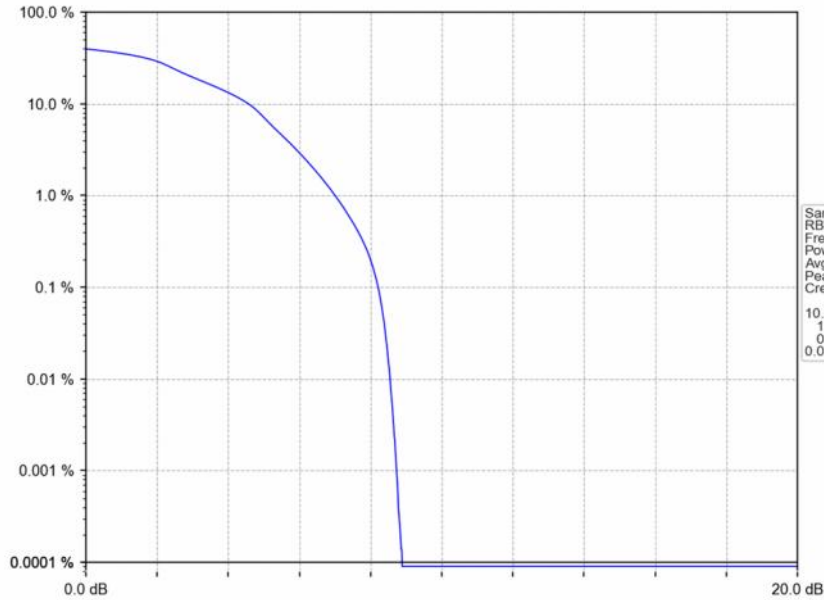
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Band48 10MHz 16QAM MCH 3625MHz RB 50 0 NTN



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



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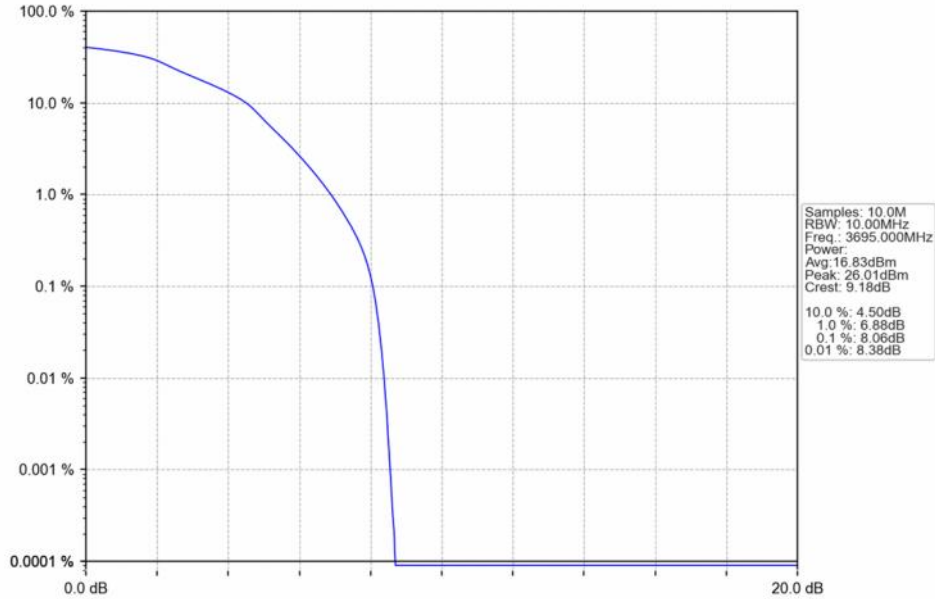
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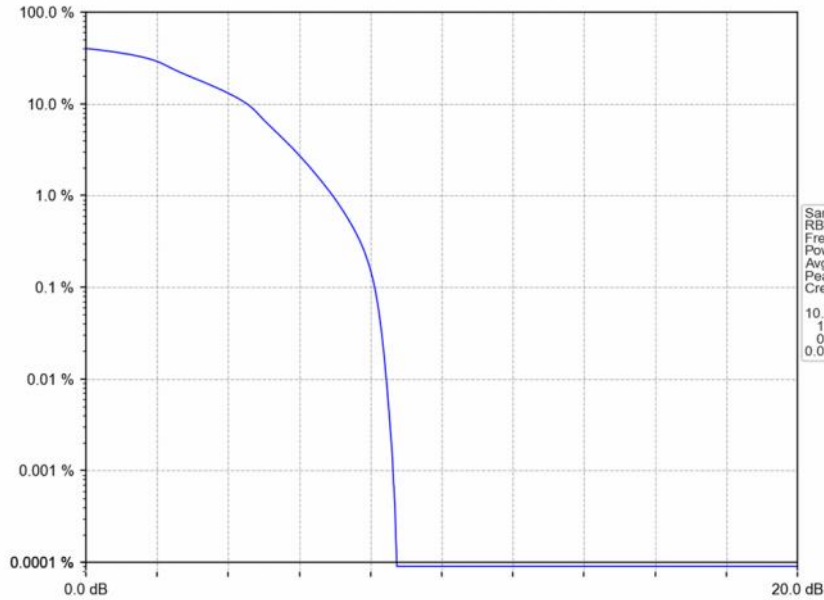
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Band48_10MHz_64QAM_LCH_3555MHz_RB_50_0_NTNV



Band48_10MHz_64QAM_MCH_3625MHz_RB_50_0_NTNV



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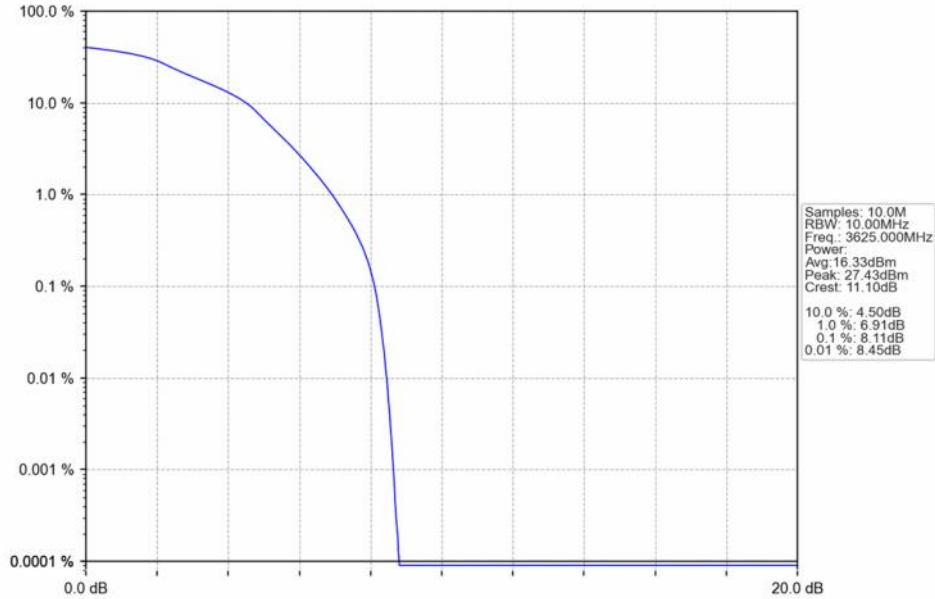
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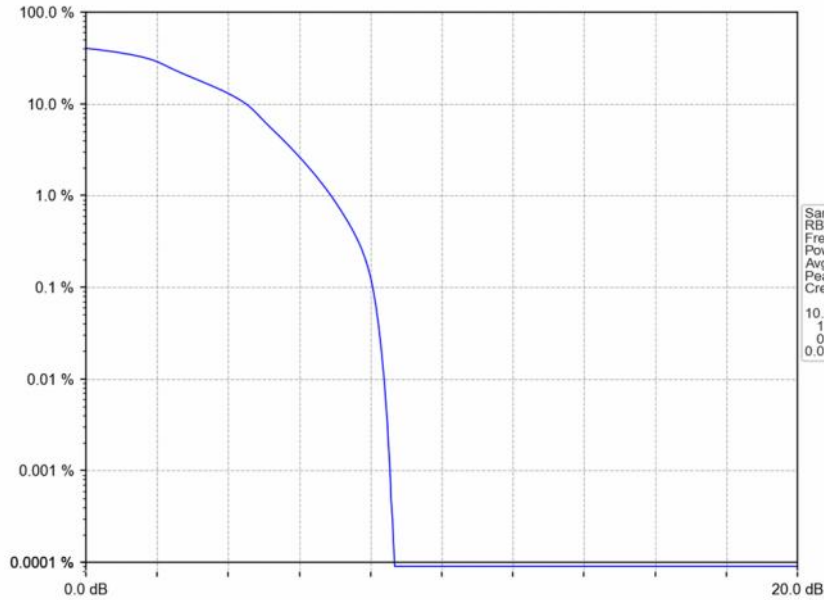
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Band48 10MHz 64QAM HCH 3695MHz RB 50 0 NTN



Band48 10MHz 256QAM LCH 3555MHz RB 50 0 NTN



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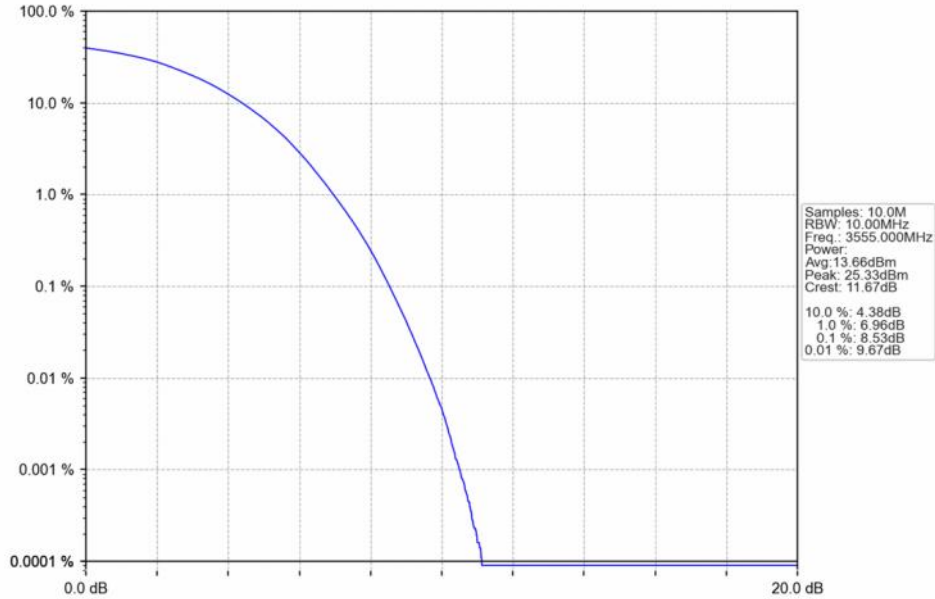
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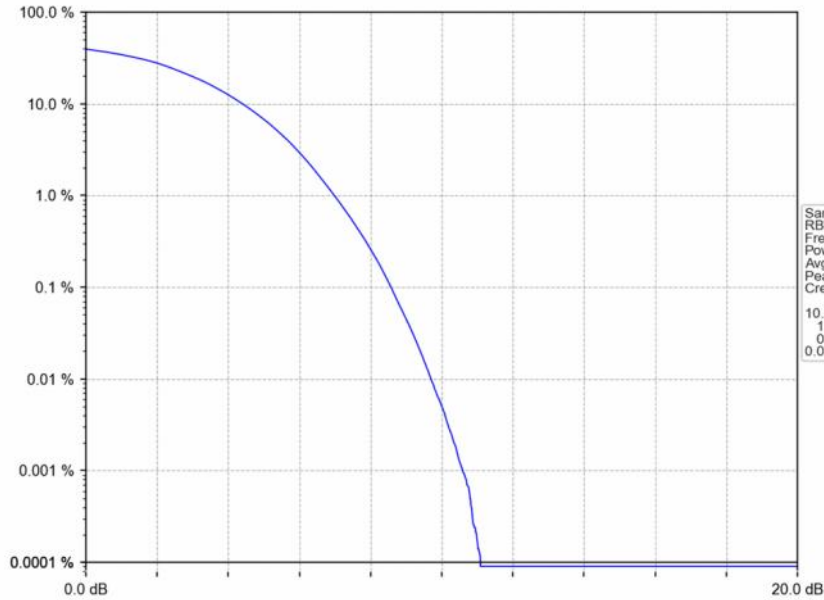
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Band48_10MHz_256QAM_MCH_3625MHz_RB_50_0_NTNV



Band48_10MHz_256QAM_HCH_3695MHz_RB_50_0_NTNV



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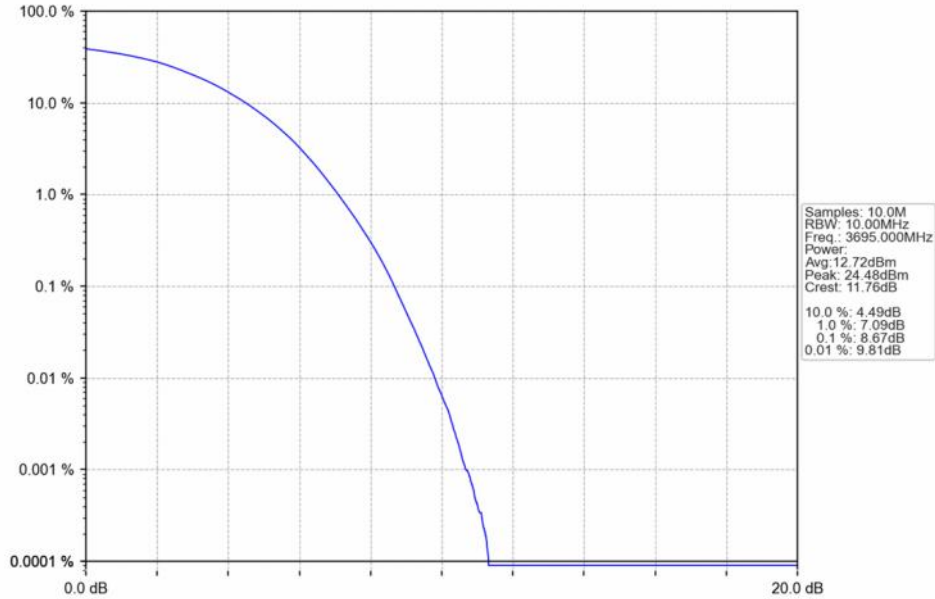
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4.3 B48_15MHz

4.3.1 Test Result

Band: 48 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	75	0	6.97	<=13	Pass
	3625	75	0	7.12	<=13	Pass
	3692.5	75	0	7.09	<=13	Pass
16QAM	3557.5	75	0	8.31	<=13	Pass
	3625	75	0	7.95	<=13	Pass
	3692.5	75	0	7.86	<=13	Pass
64QAM	3557.5	75	0	8.36	<=13	Pass
	3625	75	0	8.15	<=13	Pass
	3692.5	75	0	8.31	<=13	Pass
256QAM	3557.5	75	0	3.25	<=13	Pass
	3625	75	0	1.91	<=13	Pass
	3692.5	75	0	-44.00	<=13	Pass



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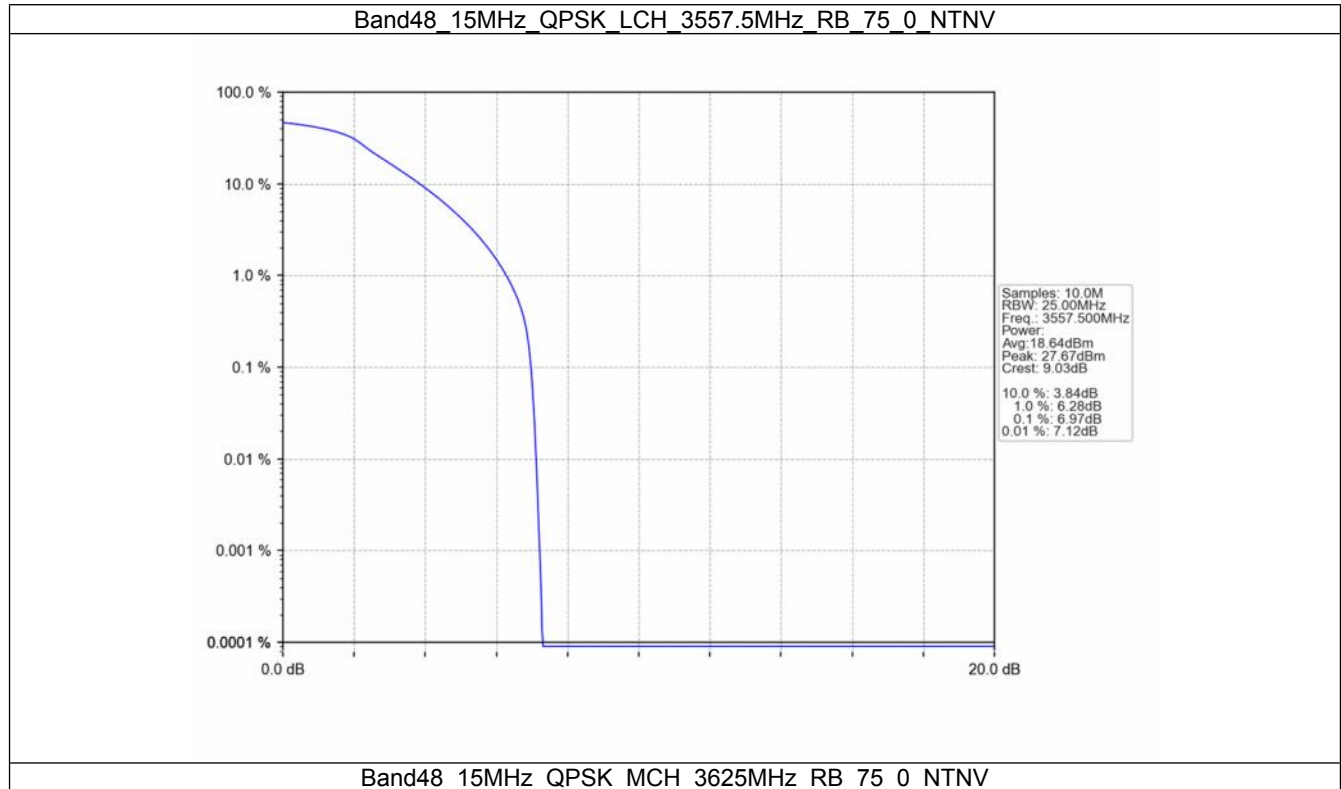
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4.3.2 Test Graph



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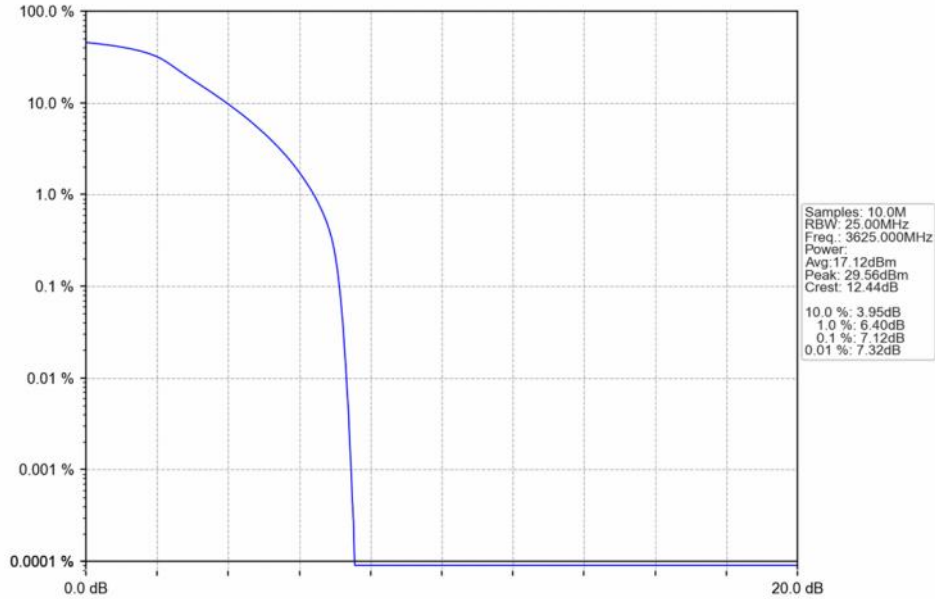
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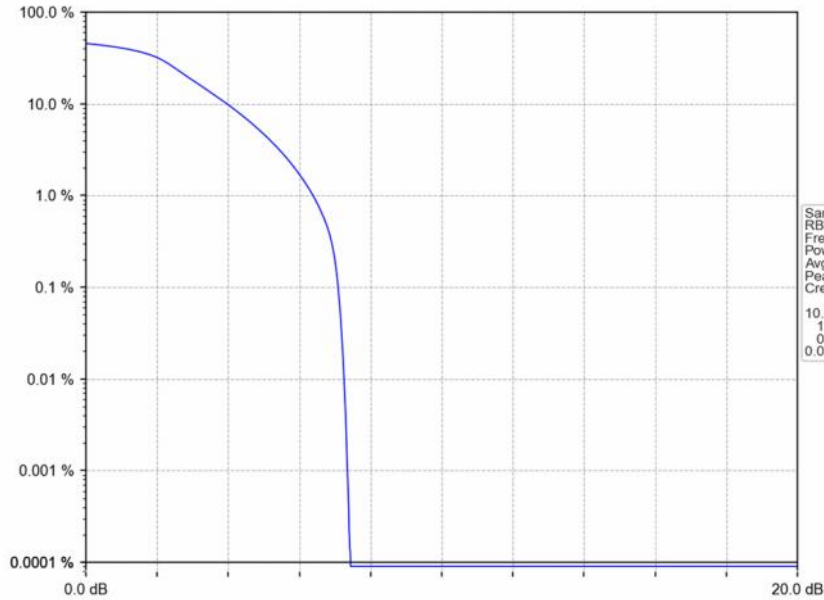
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Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV



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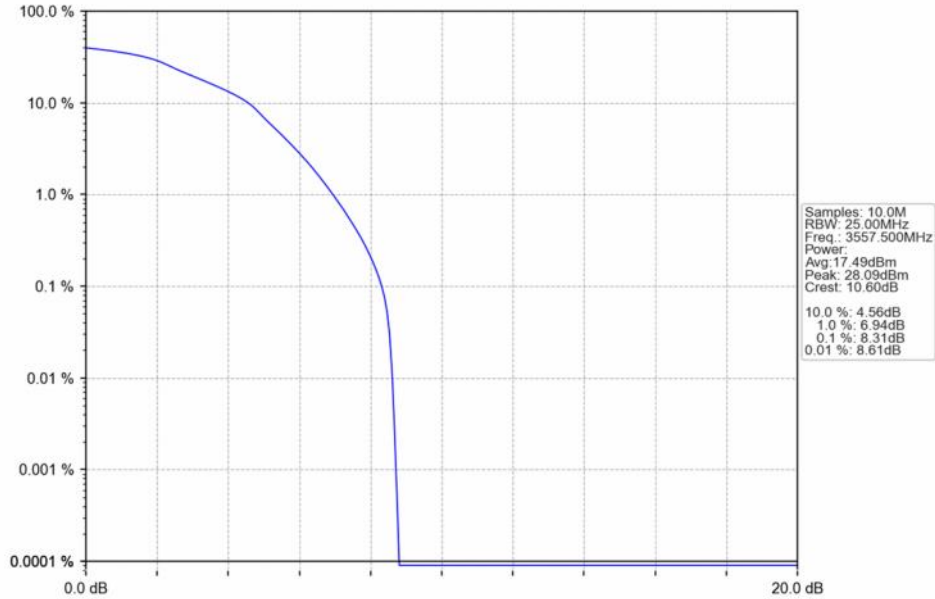
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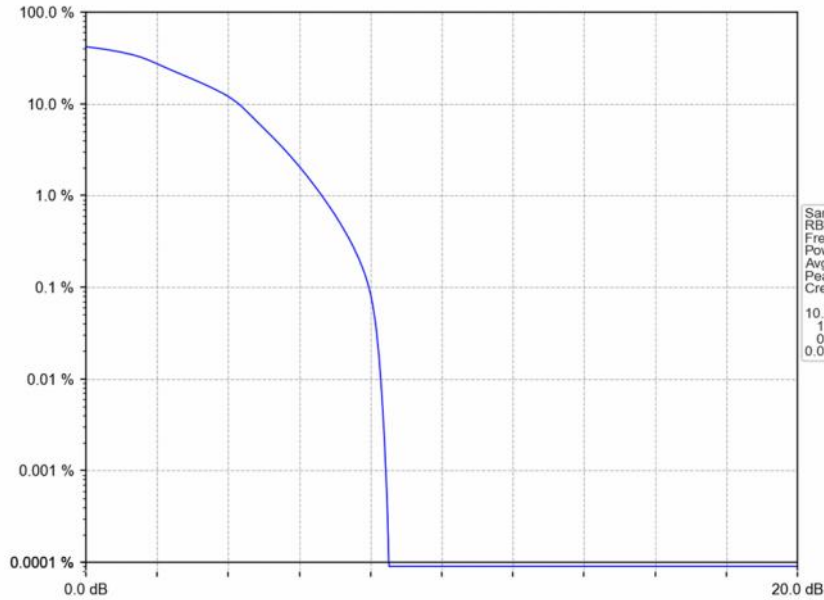
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Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 3625.000MHz
Power:
Avg: 16.50dBm
Peak: 26.07dBm
Crest: 9.57dB
10.0 %: 4.29dB
1.0 %: 6.63dB
0.1 %: 7.95dB
0.01 %: 8.29dB

Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV



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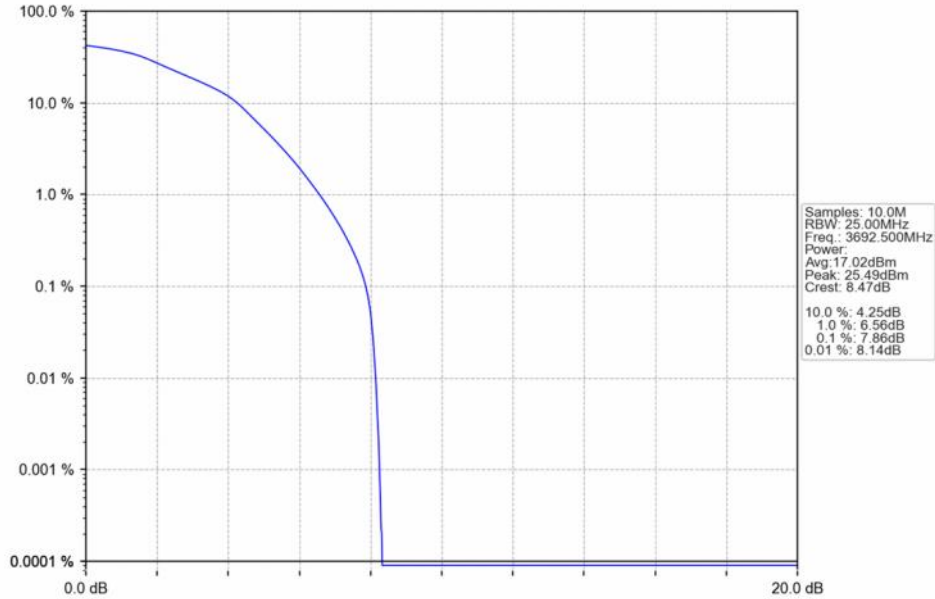
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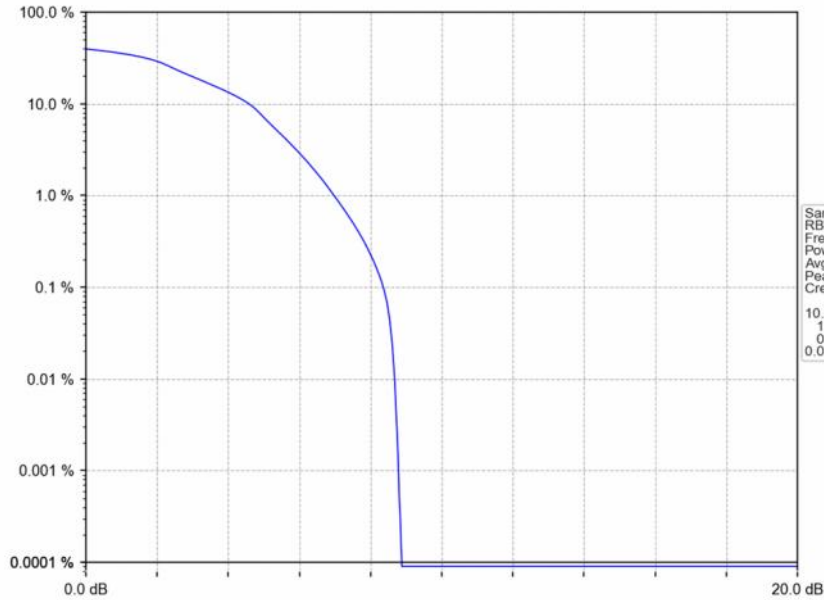
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Band48_15MHz_64QAM_MCH_3625MHz_RB_75_0_NTNV



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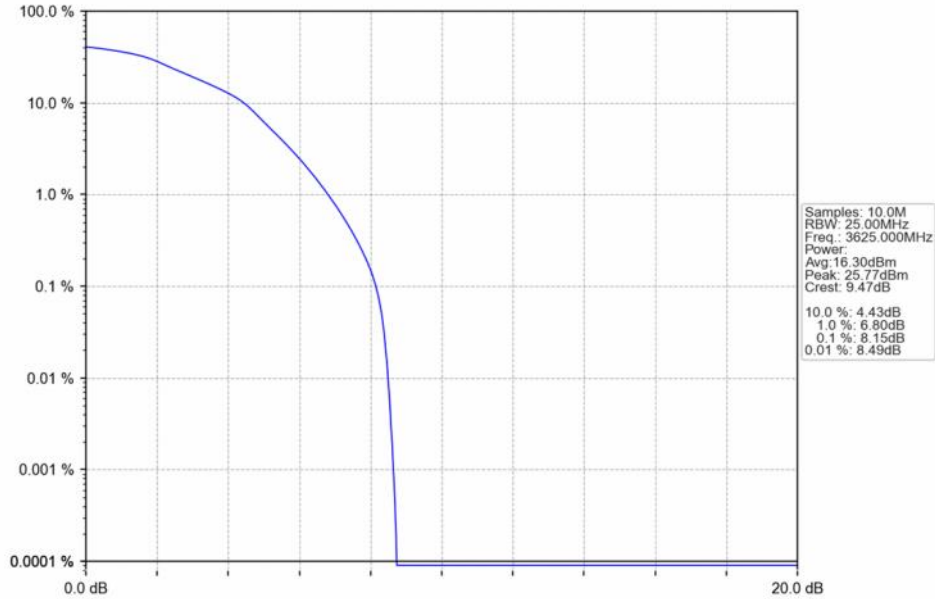
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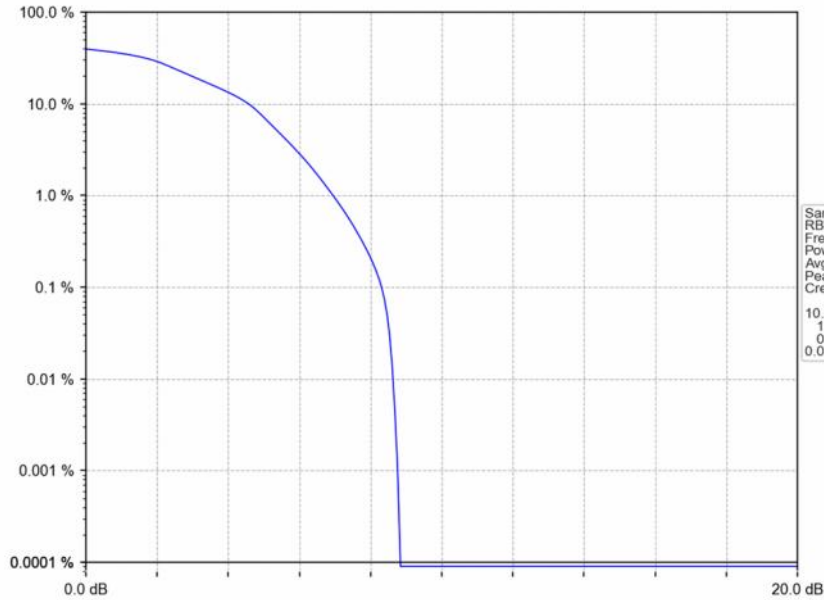
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Band48_15MHz_256QAM_LCH_3557.5MHz_RB_75_0_NTNV



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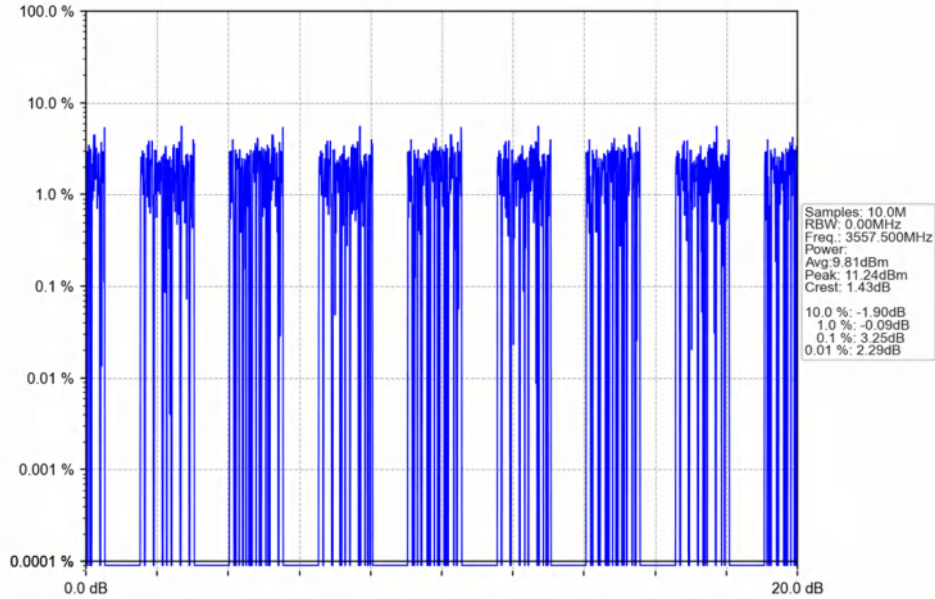
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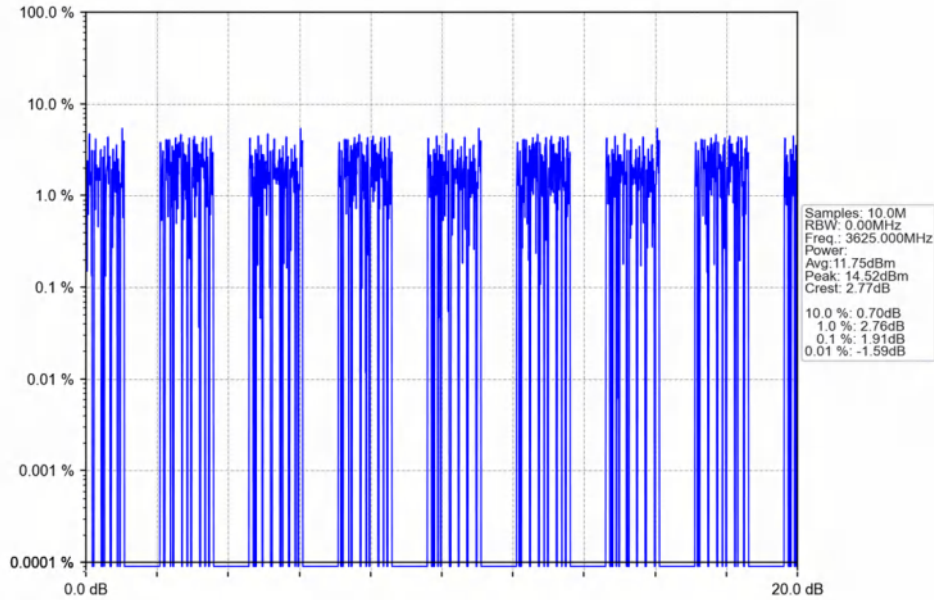
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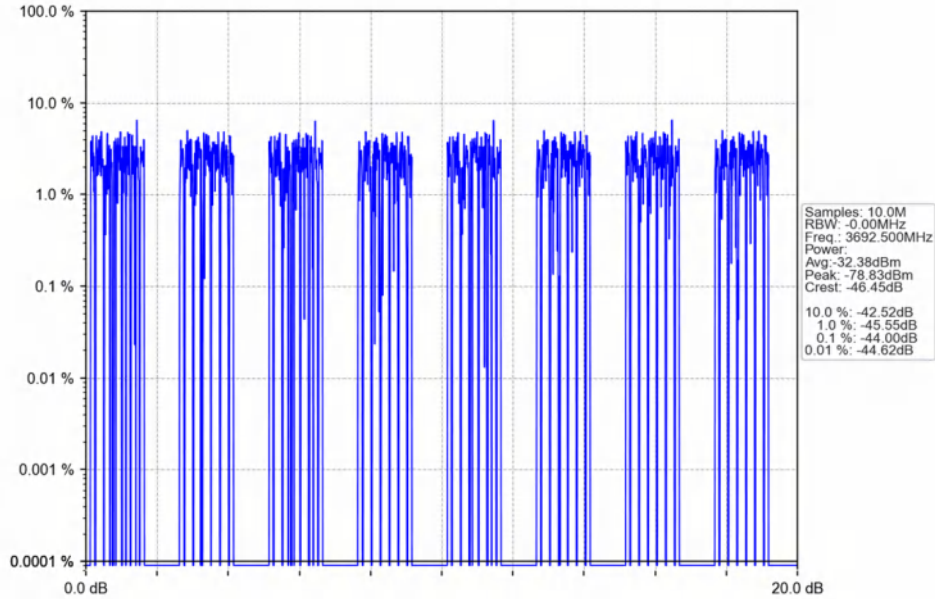
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4.4 B48_20MHz

4.4.1 Test Result

Band: 48 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	100	0	7.17	<=13	Pass
	3625	100	0	7.16	<=13	Pass
	3690	100	0	7.25	<=13	Pass
16QAM	3560	100	0	8.15	<=13	Pass
	3625	100	0	7.91	<=13	Pass
	3690	100	0	8.04	<=13	Pass
64QAM	3560	100	0	8.16	<=13	Pass
	3625	100	0	7.99	<=13	Pass
	3690	100	0	8.14	<=13	Pass
256QAM	3560	100	0	-39.95	<=13	Pass
	3625	100	0	1.30	<=13	Pass
	3690	100	0	-42.67	<=13	Pass



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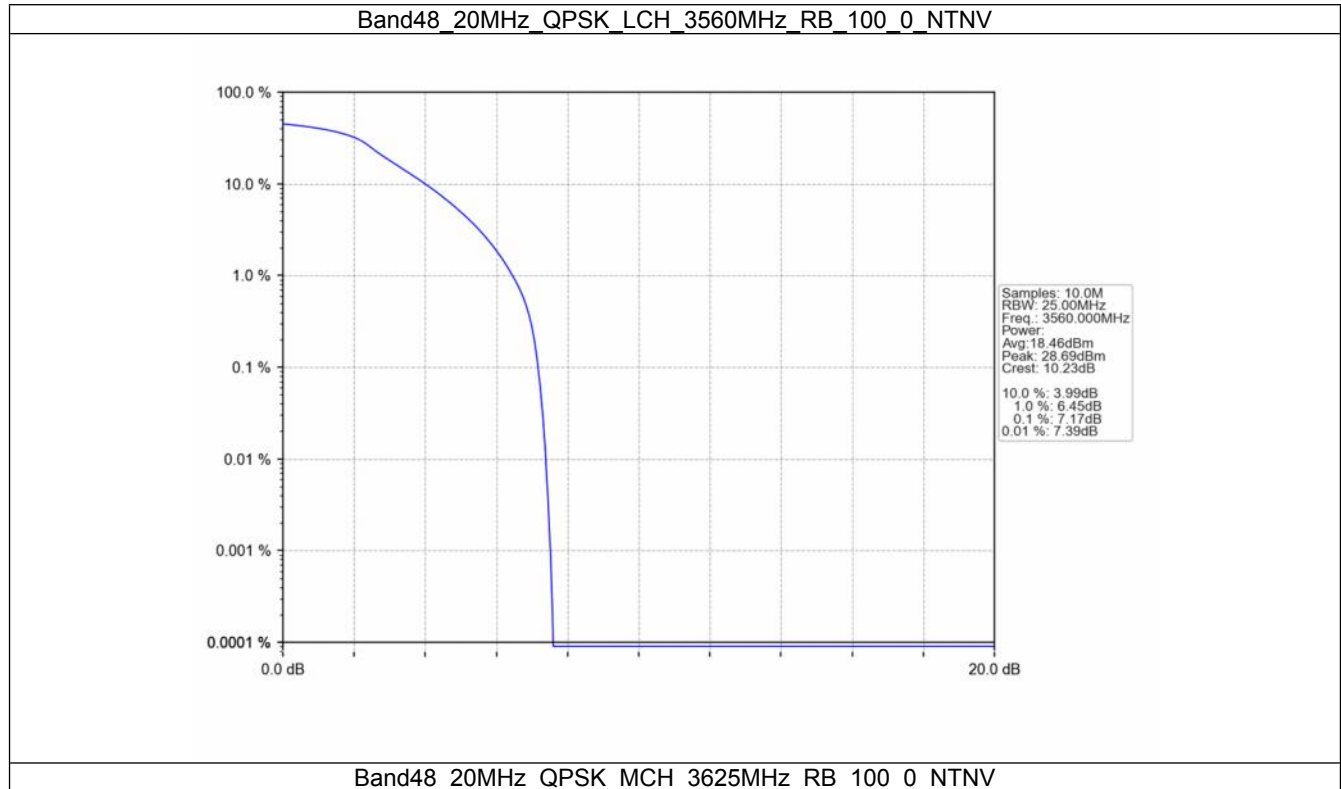
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4.4.2 Test Graph



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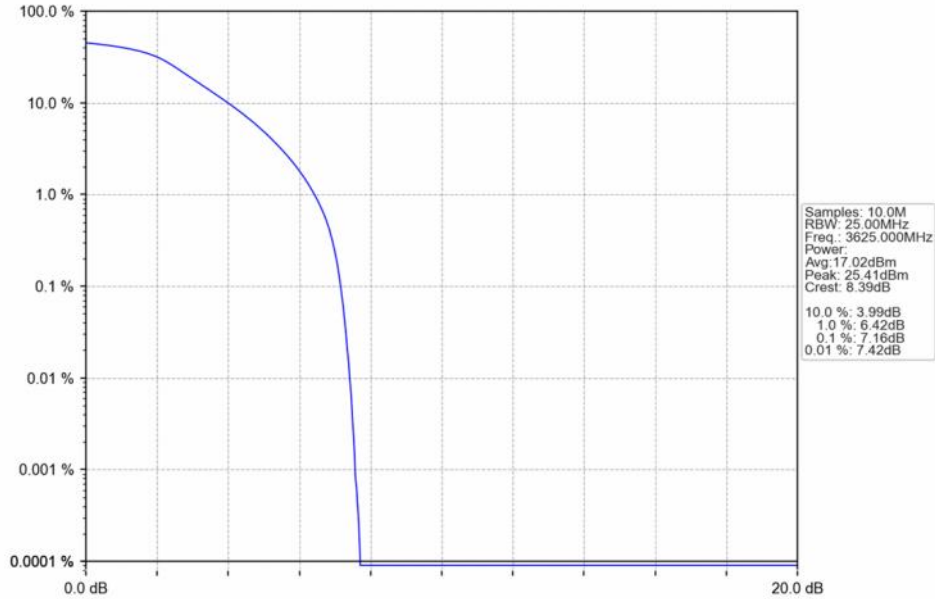
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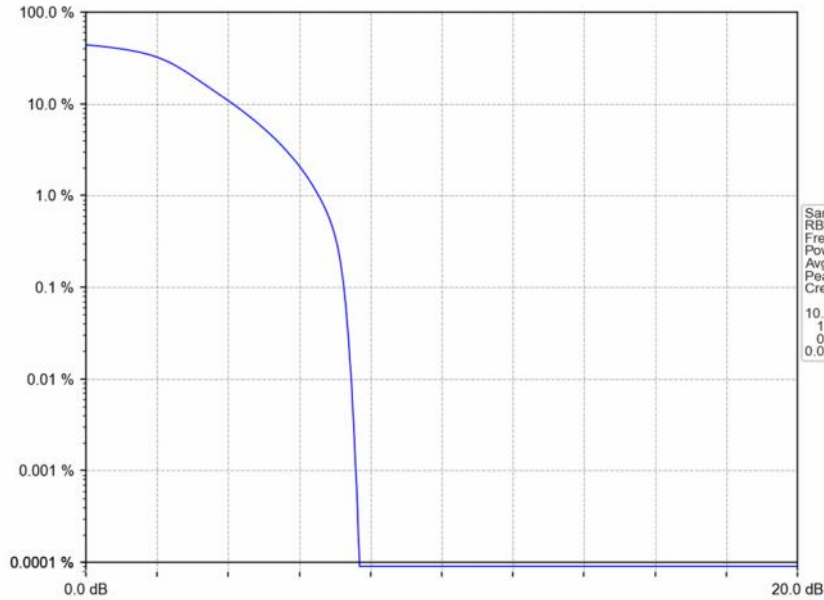
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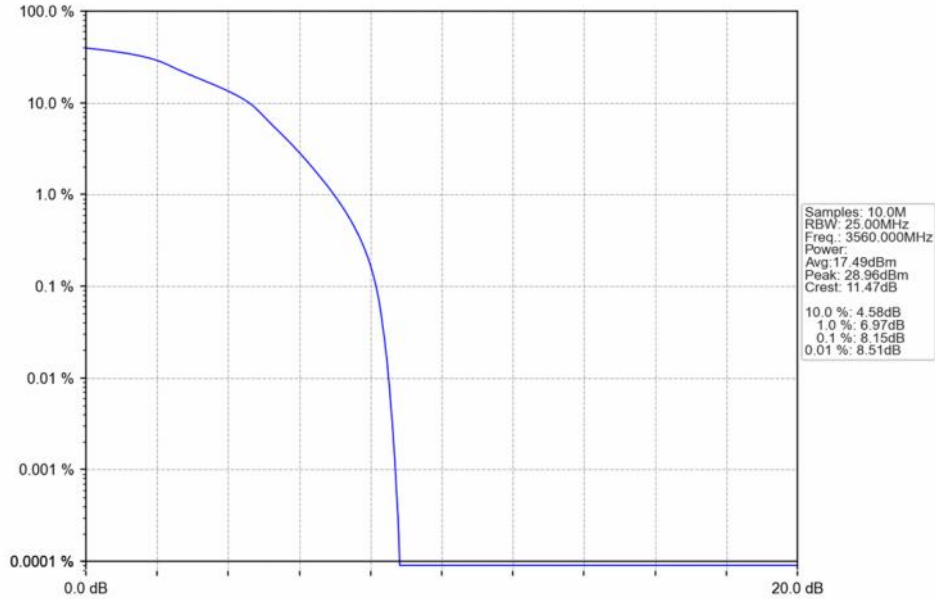
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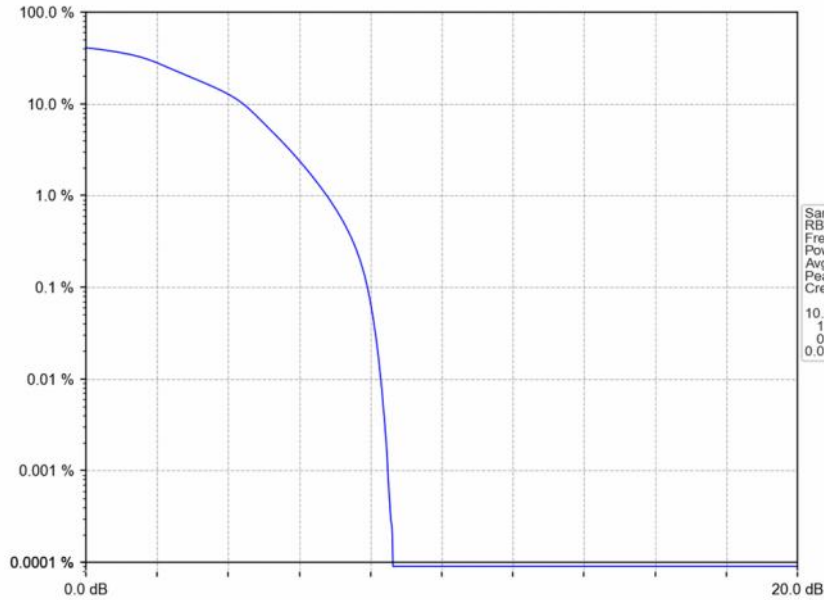
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Band48_20MHz_16QAM_MCH_3625MHz_RB_100_0_NTNV



Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV



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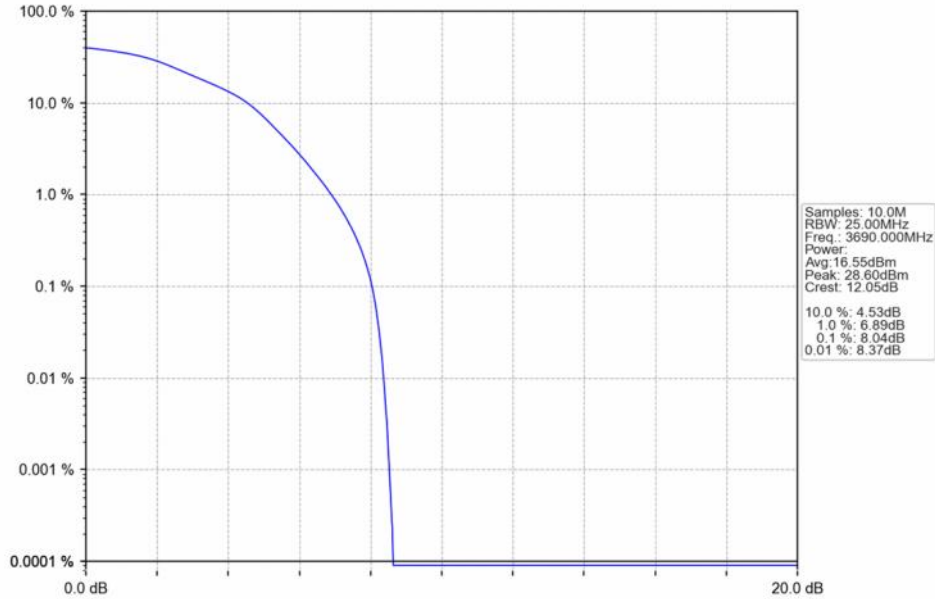
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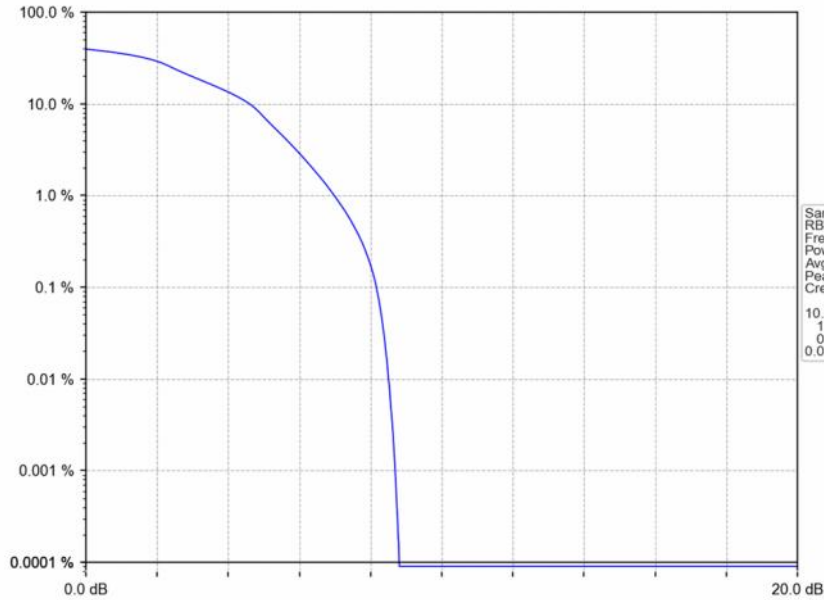
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Band48_20MHz_64QAM_MCH_3625MHz_RB_100_0_NTNV



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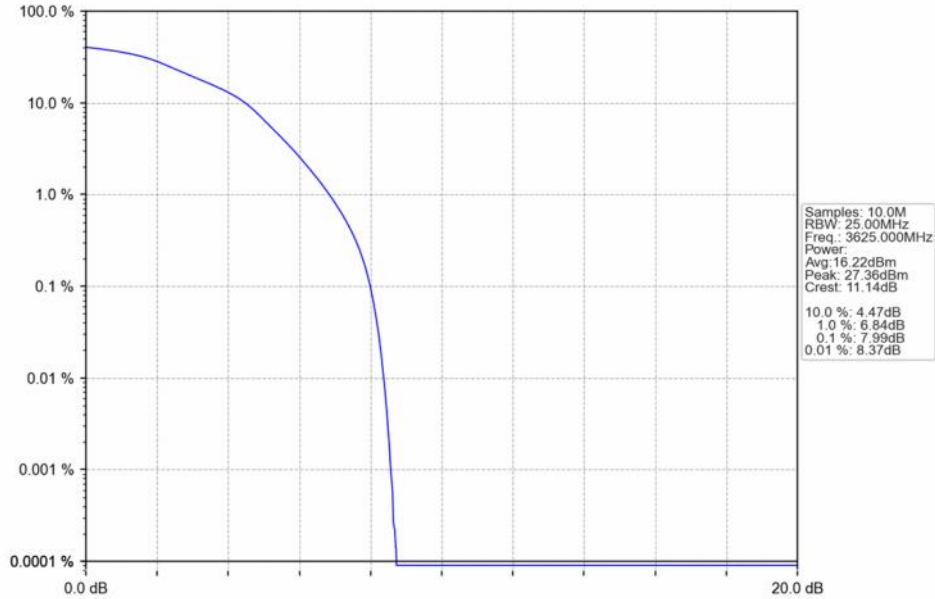
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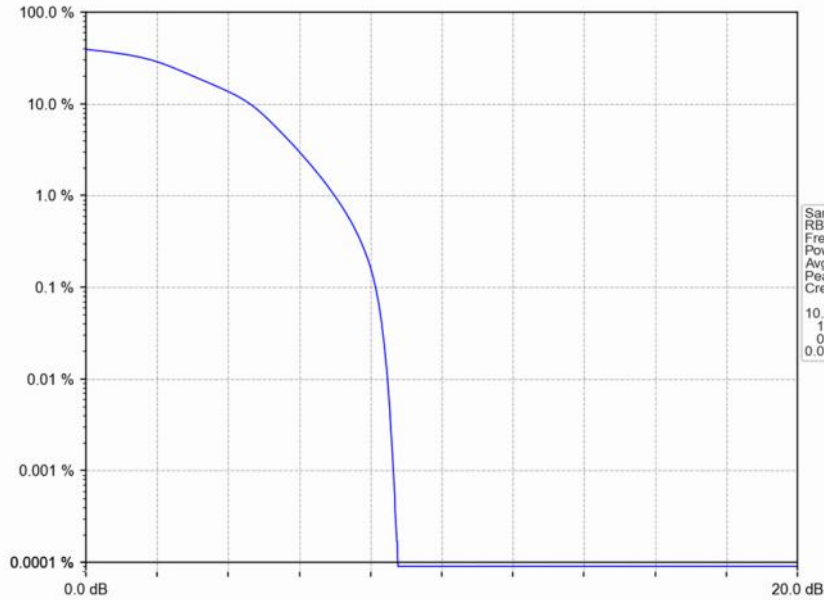
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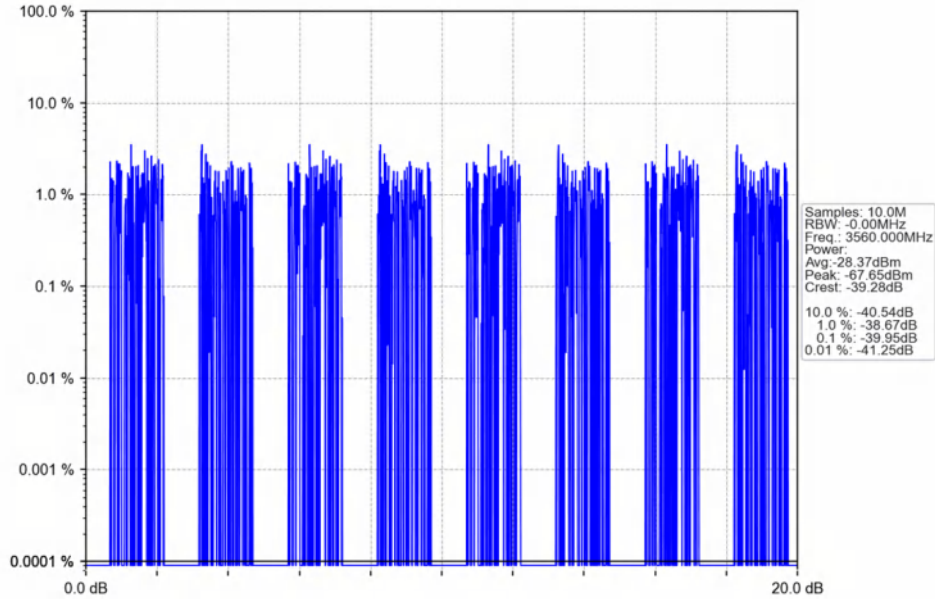
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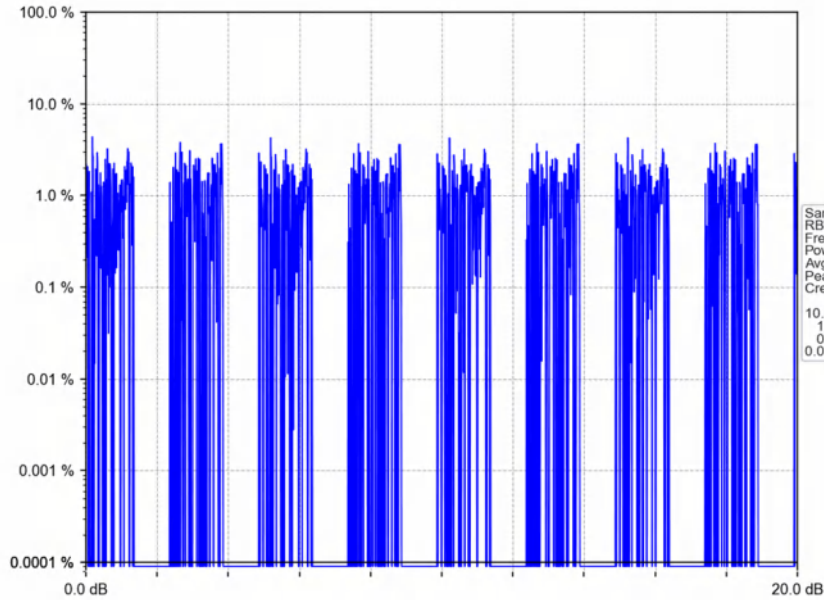
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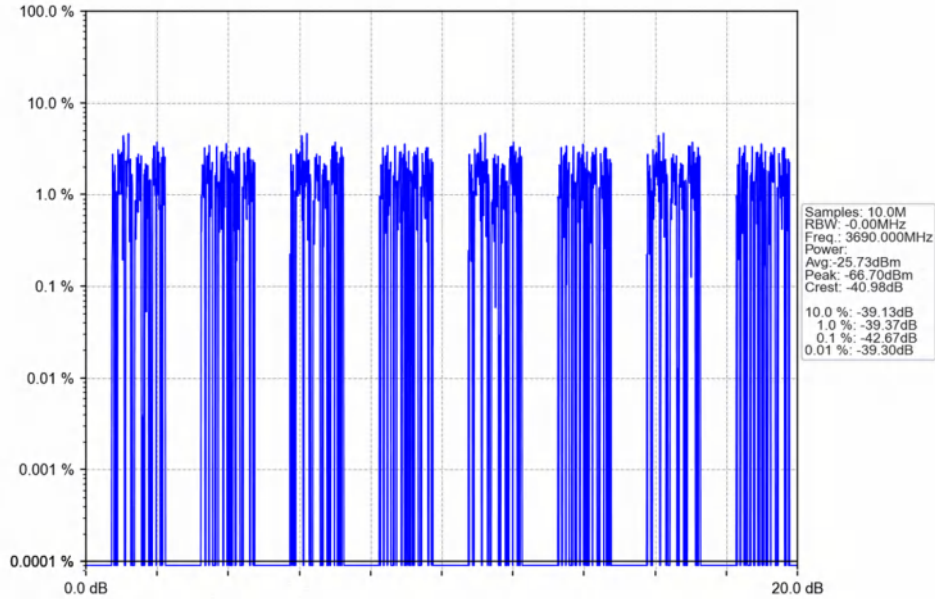
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5. Spurious Emission & Band Edges

5.1 B48_5MHz

5.1.1 Test Result

Band: 48 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
		1	0	Refer To Test Graph	Pass
	3697.5	1	24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass



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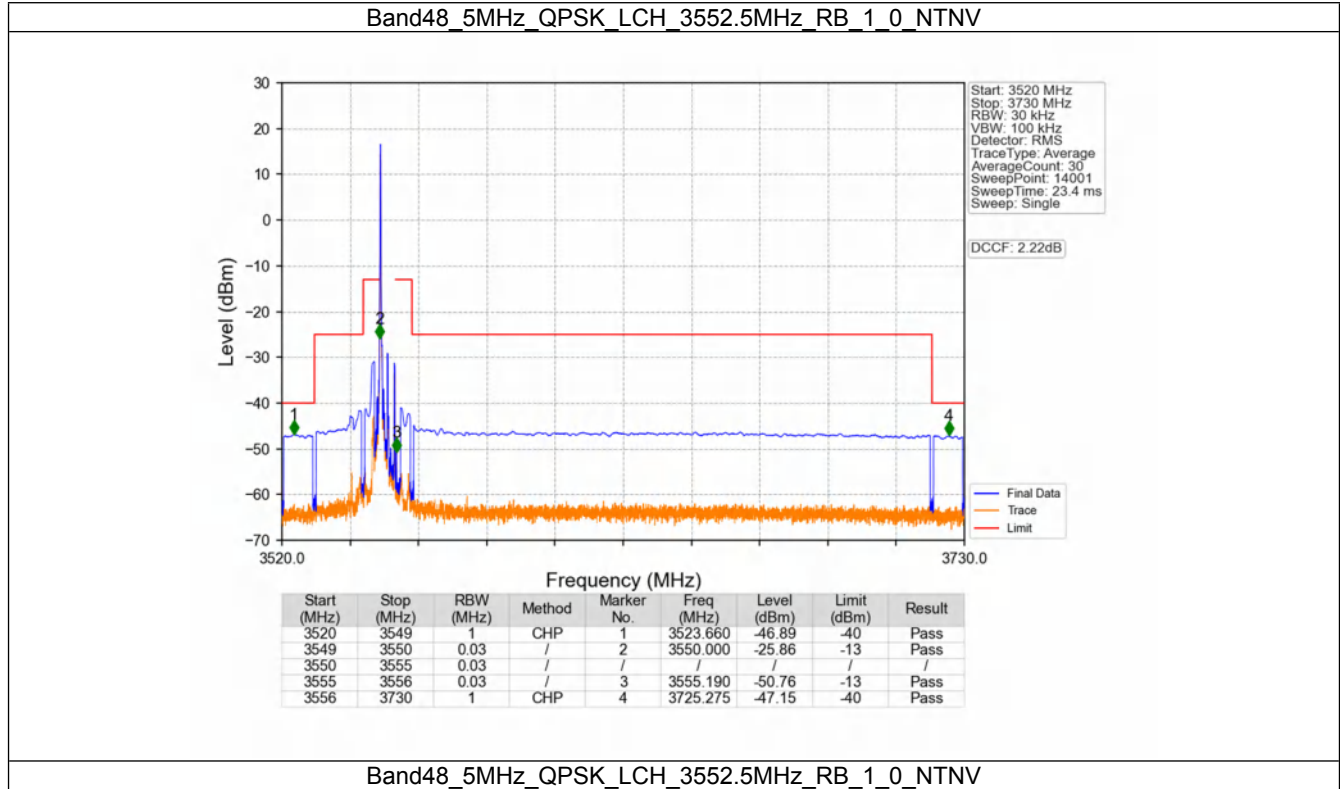
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5.1.2 Test Graph



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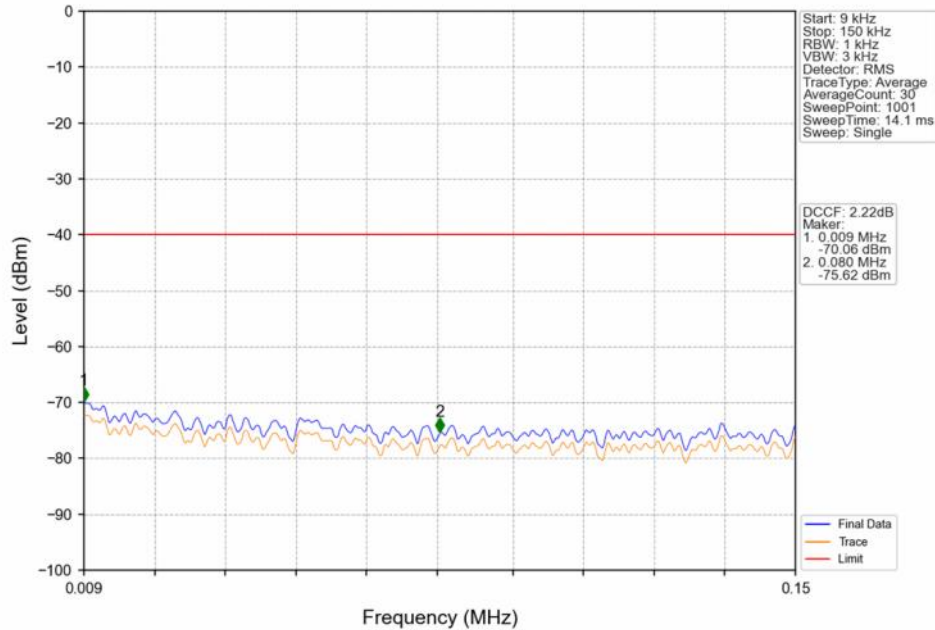
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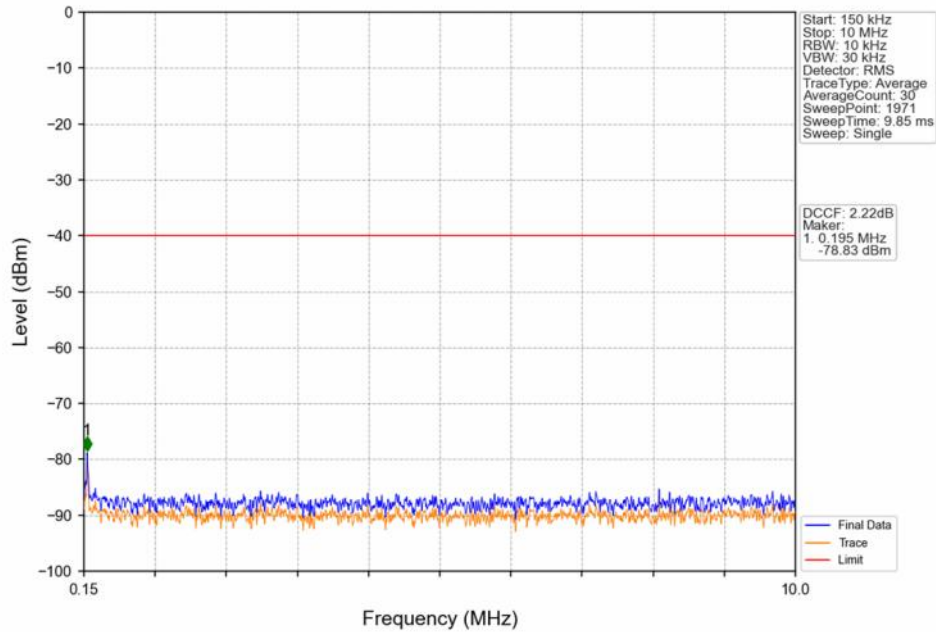
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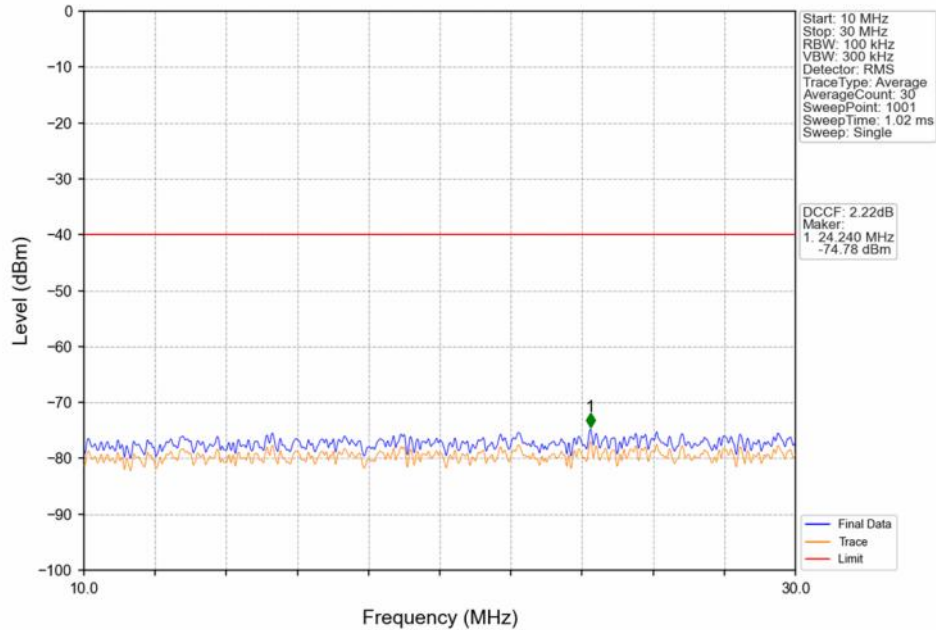
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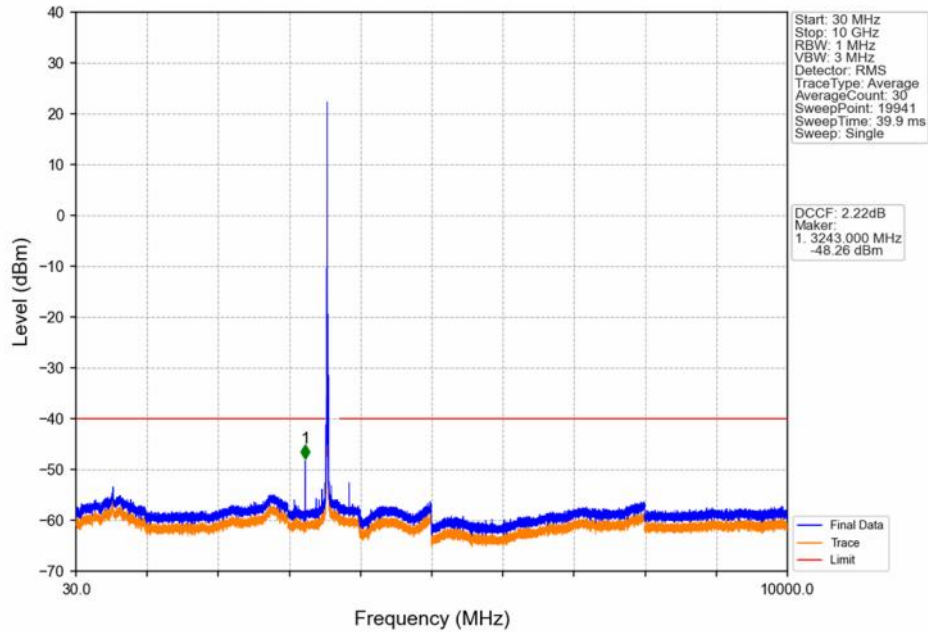
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Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV



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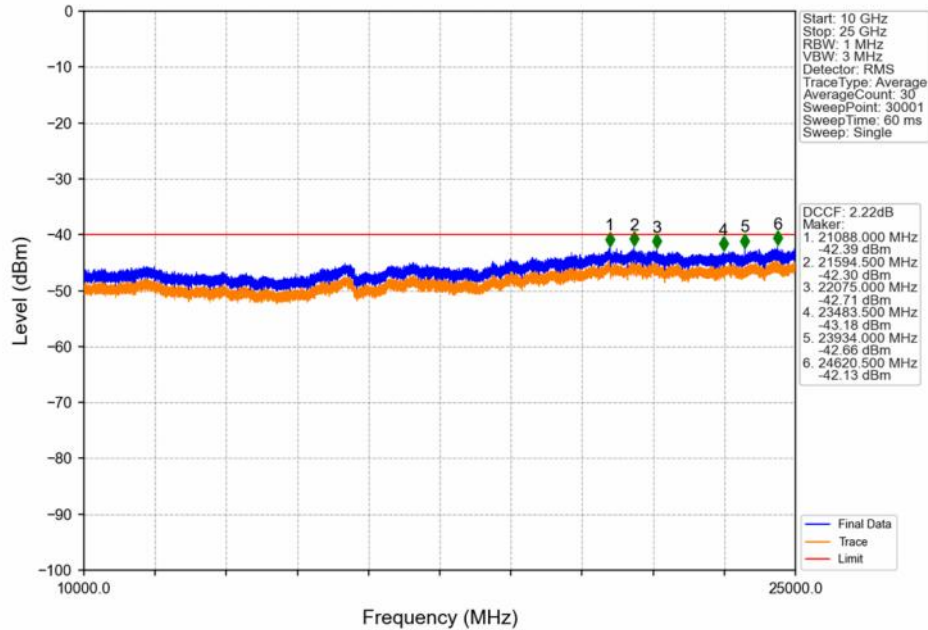
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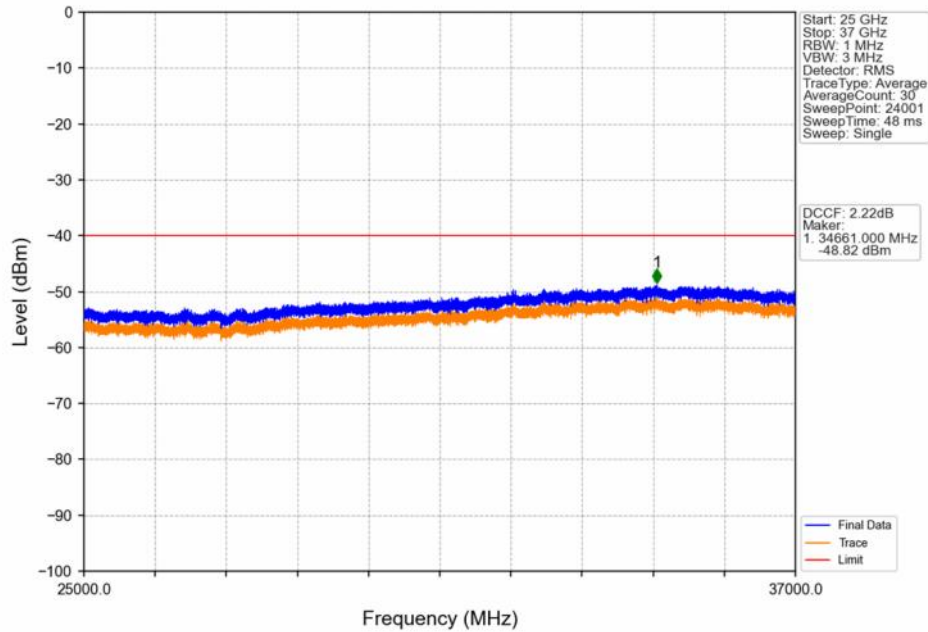
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Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV



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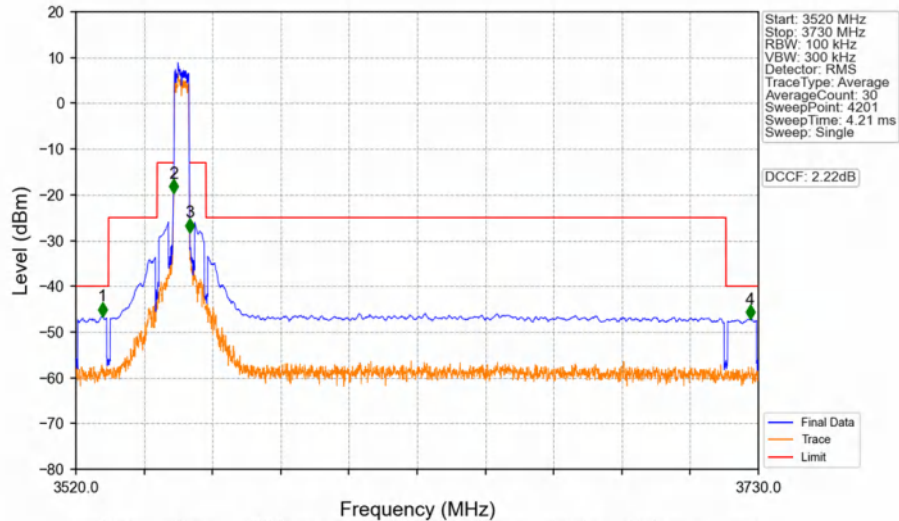
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3549	1	CHP	1	3528.150	-46.60	-40	Pass
3549	3550	0.1	/	2	3550.000	-19.69	-13	Pass
3550	3555	0.1	/	/	/	/	/	/
3555	3556	0.1	/	3	3555.000	-28.25	-13	Pass
3556	3730	1	CHP	4	3727.400	-47.19	-40	Pass



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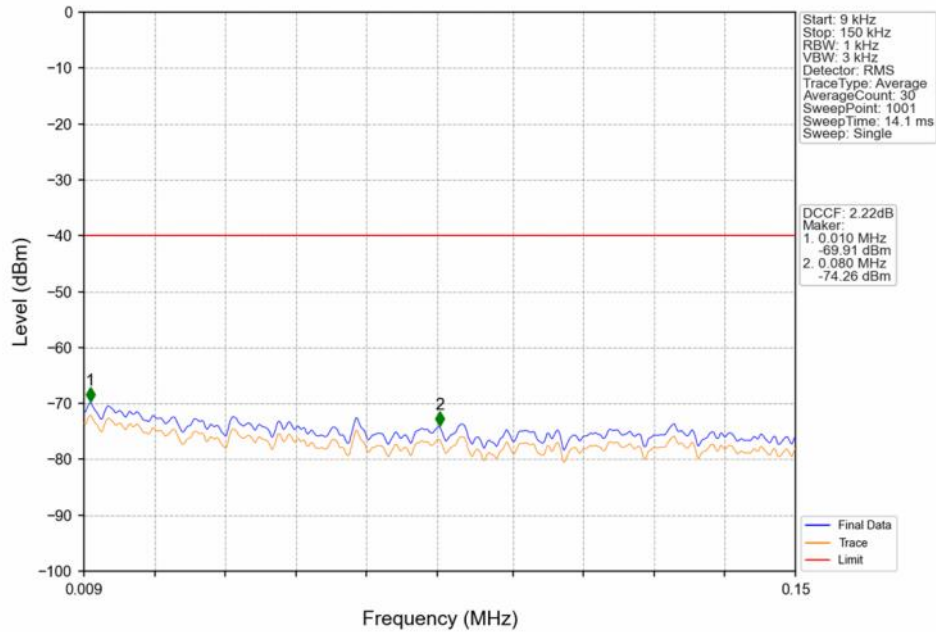
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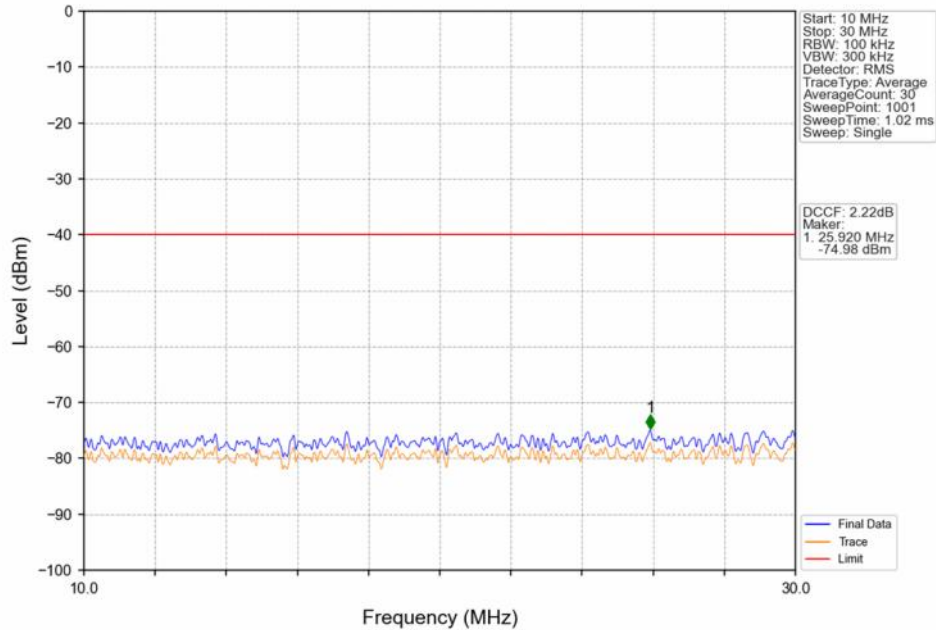
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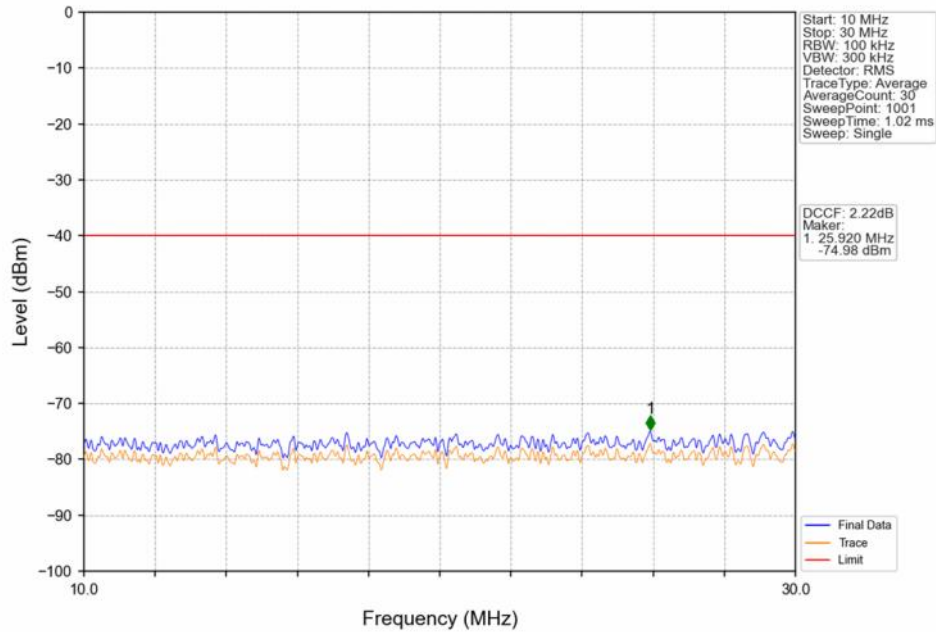
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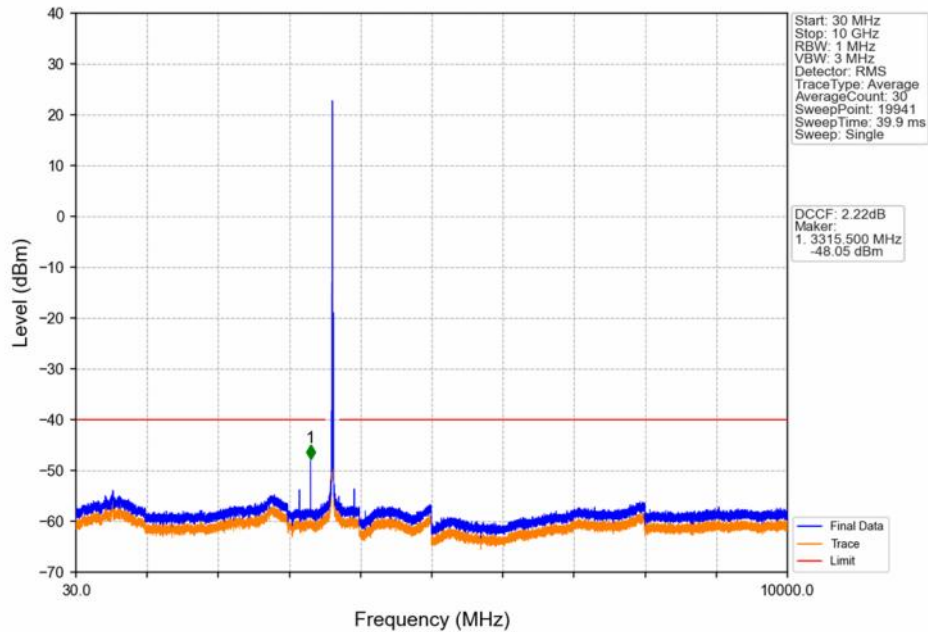
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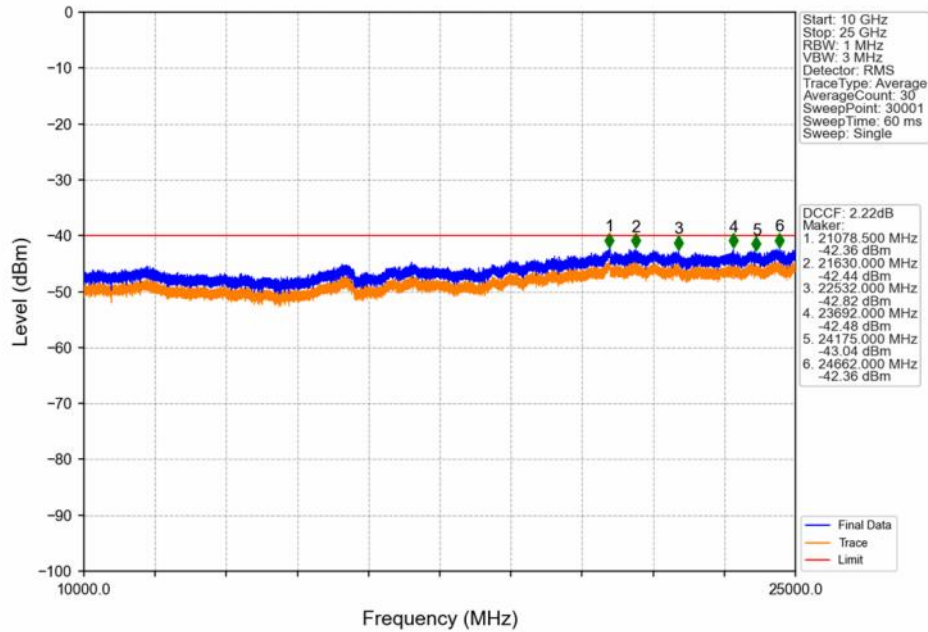
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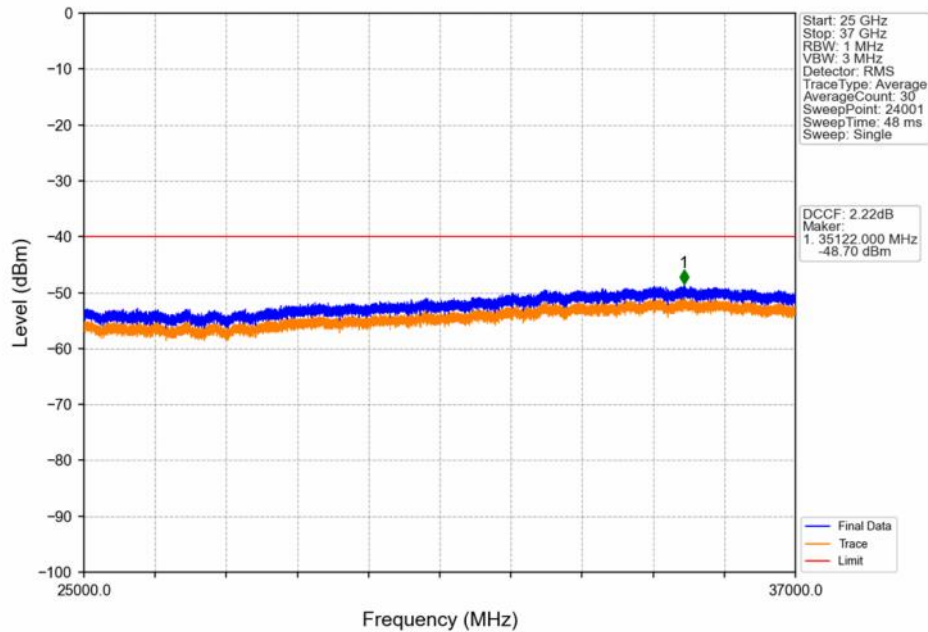
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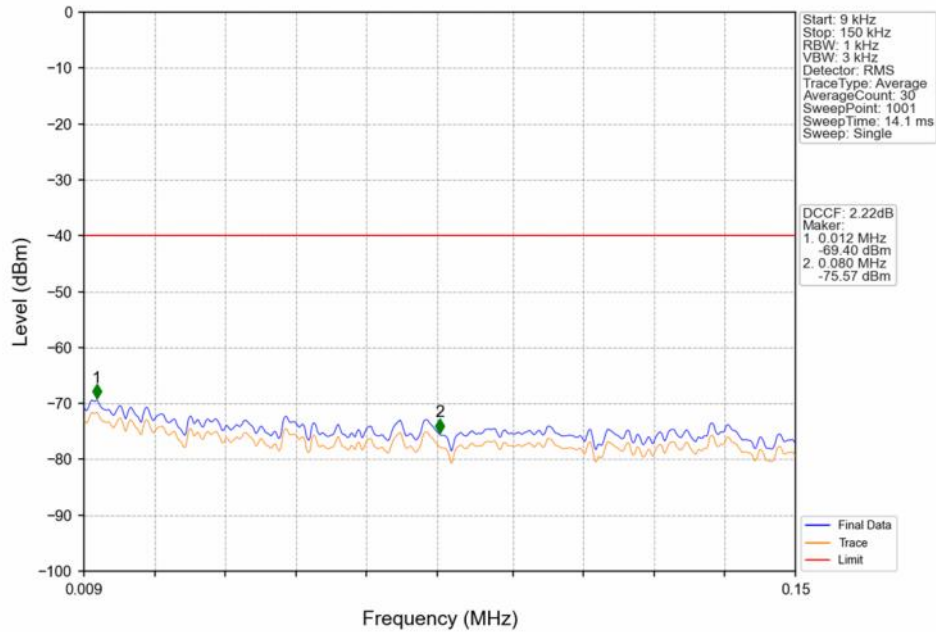
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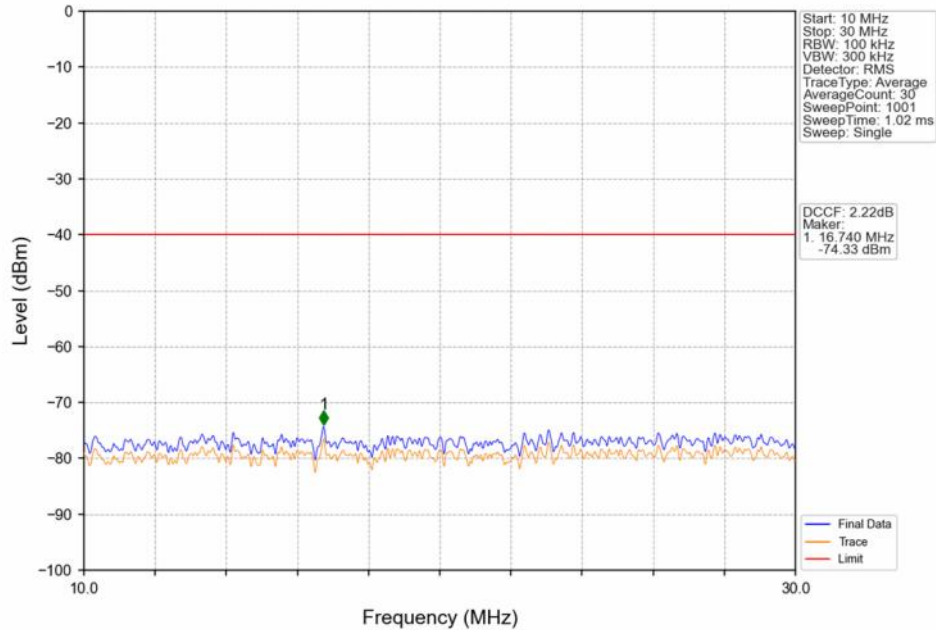
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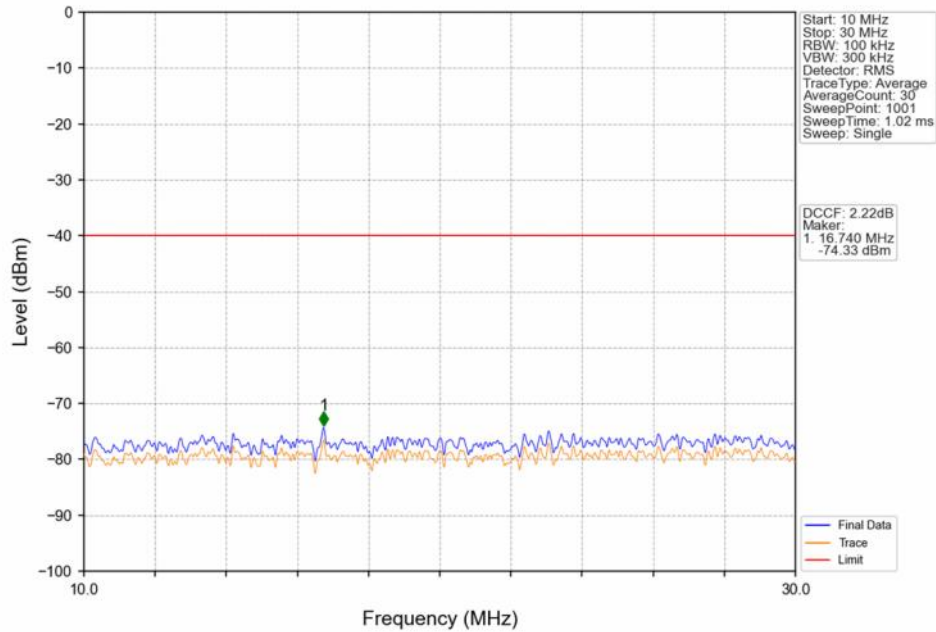
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