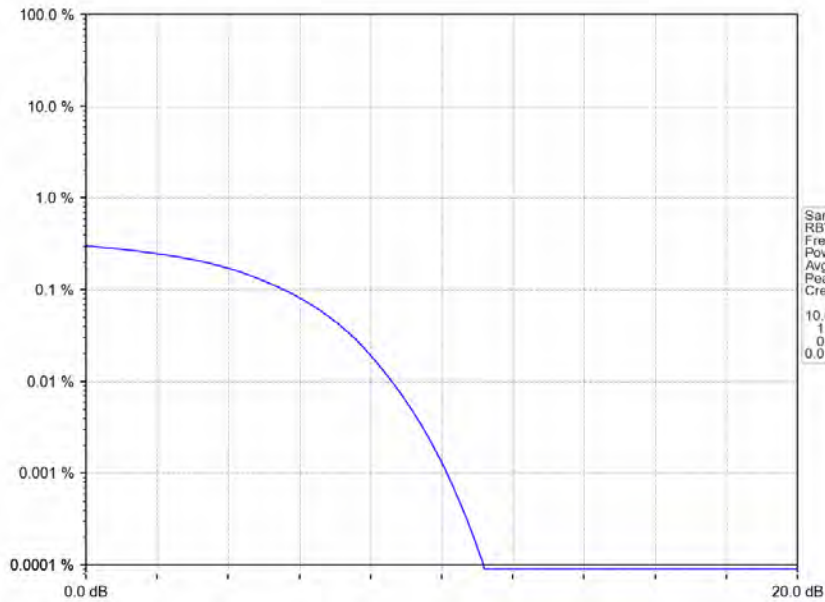


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Band43d_15MHz_256QAM_MCH_3750MHz_RB_75_0_NTNV



Band43d_15MHz_256QAM_HCH_3792.5MHz_RB_75_0_NTNV



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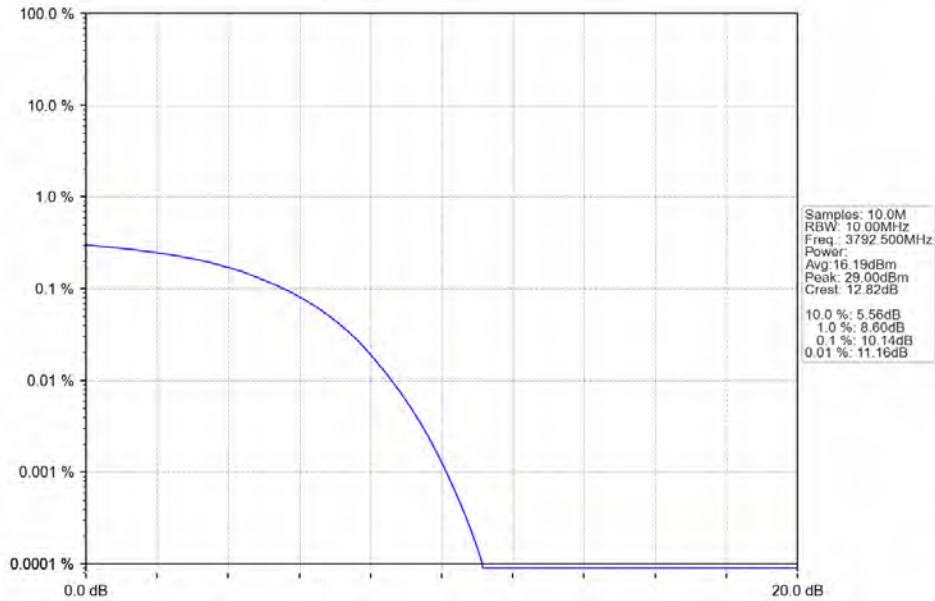
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4.4 B43d_20MHz

4.4.1 Test Result

Band: 43d / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3710	100	0	9.18	<=13	Pass
	3750	100	0	9.20	<=13	Pass
	3790	100	0	9.36	<=13	Pass
16QAM	3710	100	0	10.20	<=13	Pass
	3750	100	0	10.16	<=13	Pass
	3790	100	0	10.38	<=13	Pass
64QAM	3710	100	0	10.18	<=13	Pass
	3750	100	0	10.22	<=13	Pass
	3790	100	0	10.36	<=13	Pass
256QAM	3710	100	0	10.44	<=13	Pass
	3750	100	0	10.42	<=13	Pass
	3790	100	0	10.48	<=13	Pass



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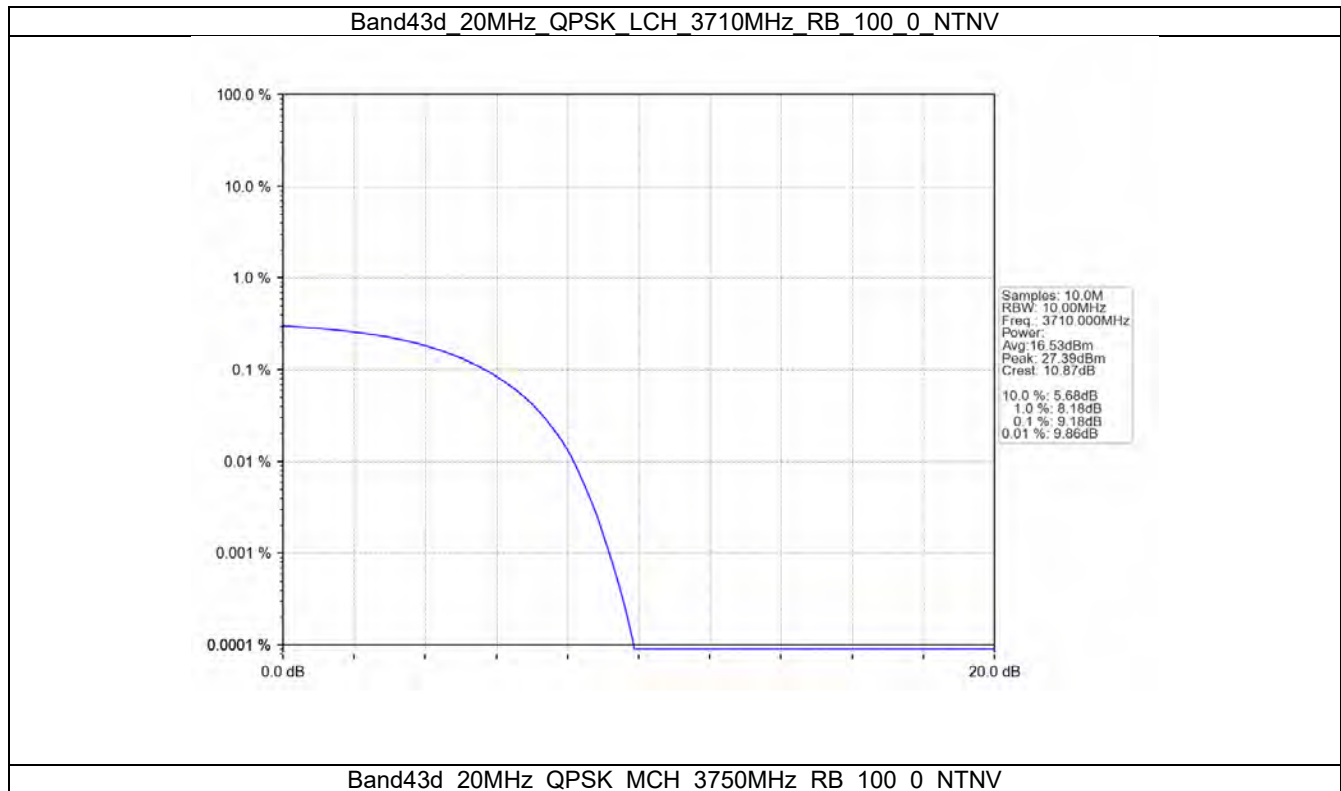
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4.4.2 Test Graph



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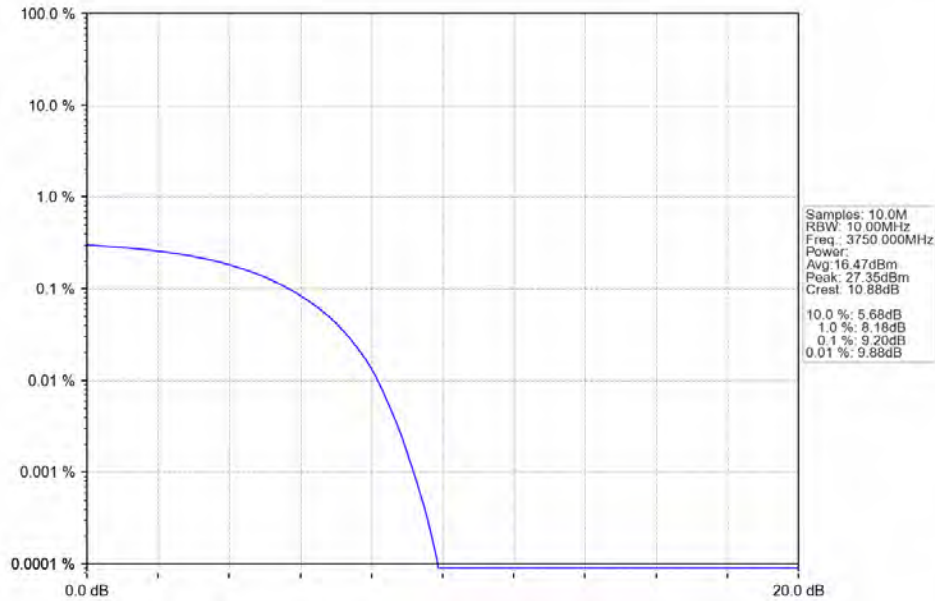
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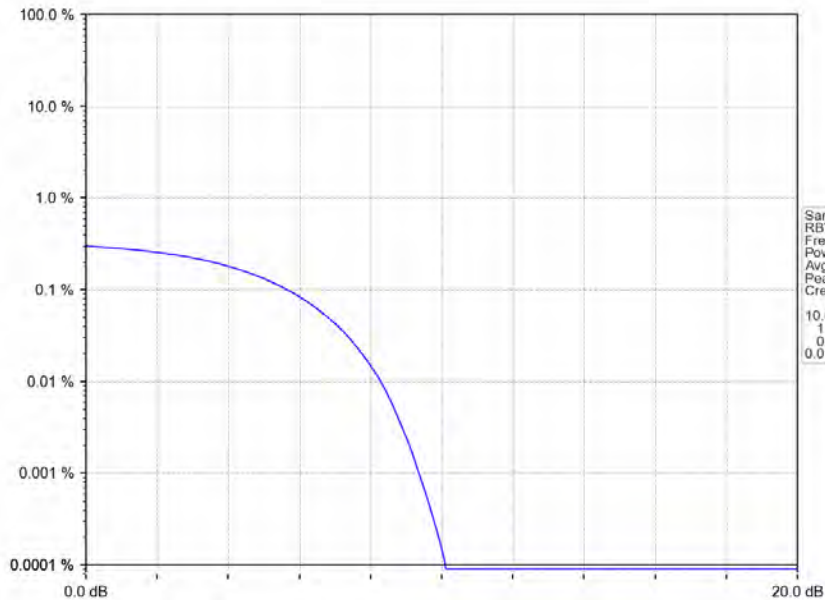
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Band43d_20MHz_16QAM_LCH_3710MHz_RB_100_0_NTNV



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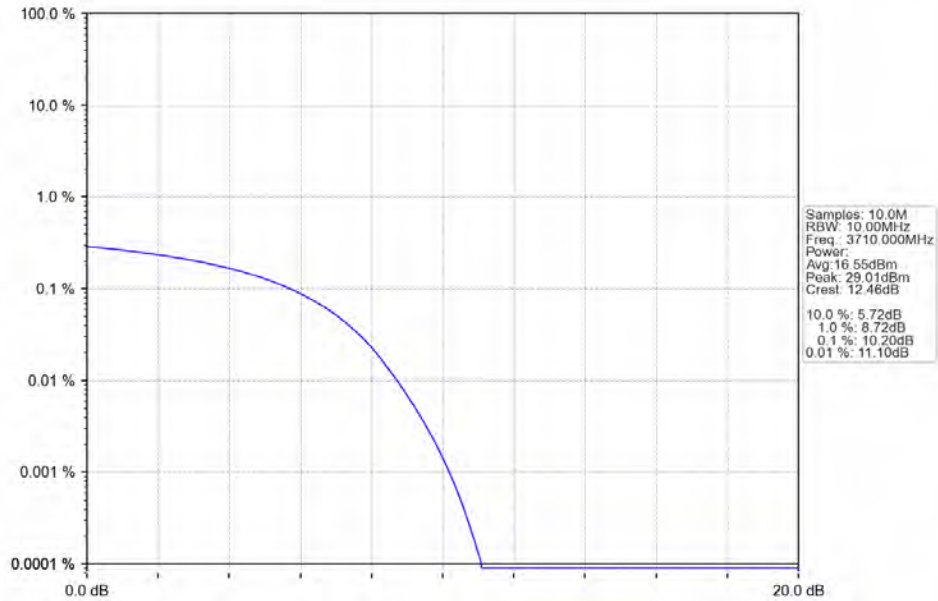
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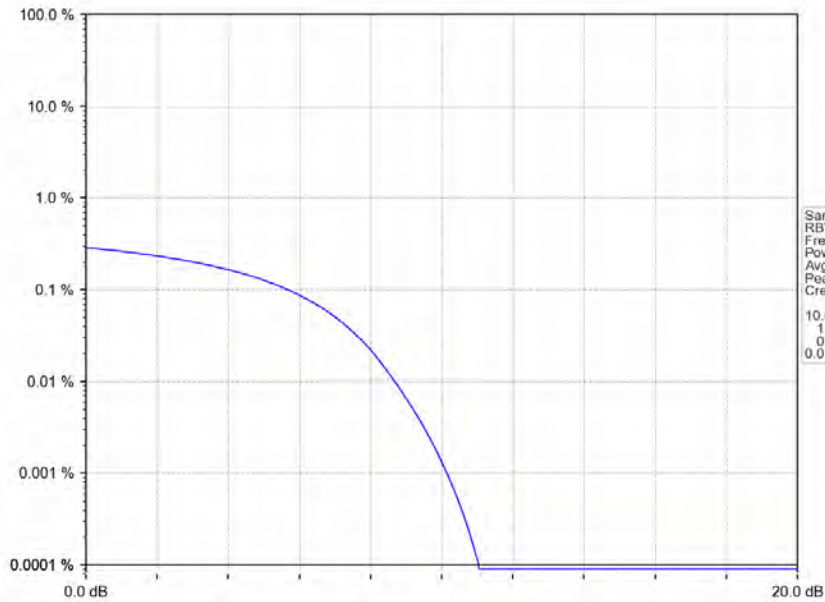
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Band43d_20MHz_16QAM_MCH_3750MHz_RB_100_0_NTNV



Band43d_20MHz_16QAM_HCH_3790MHz_RB_100_0_NTNV



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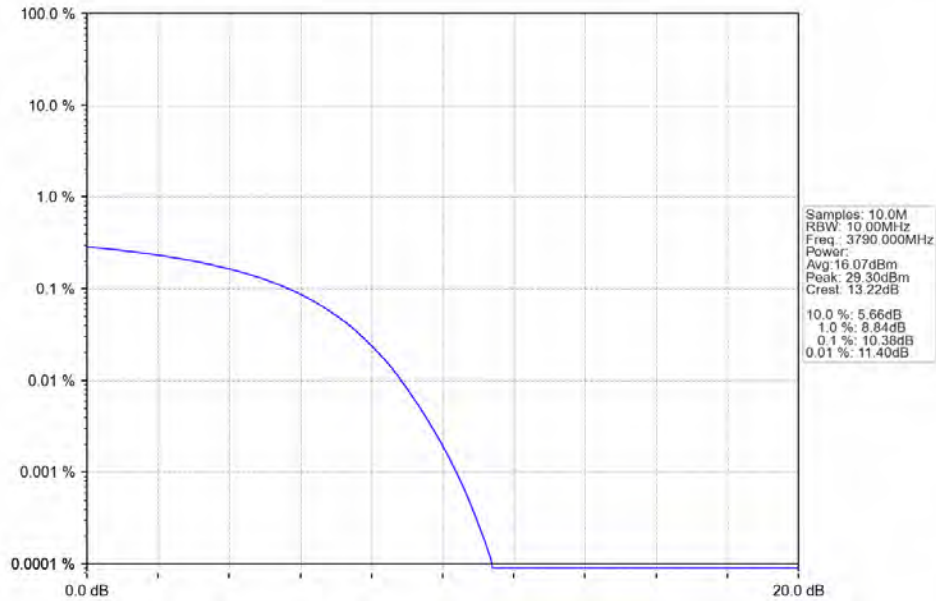
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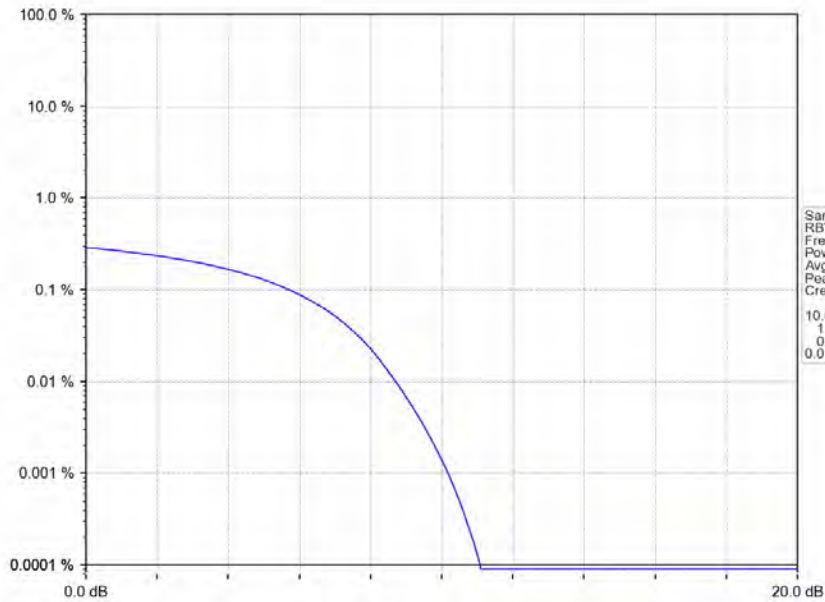
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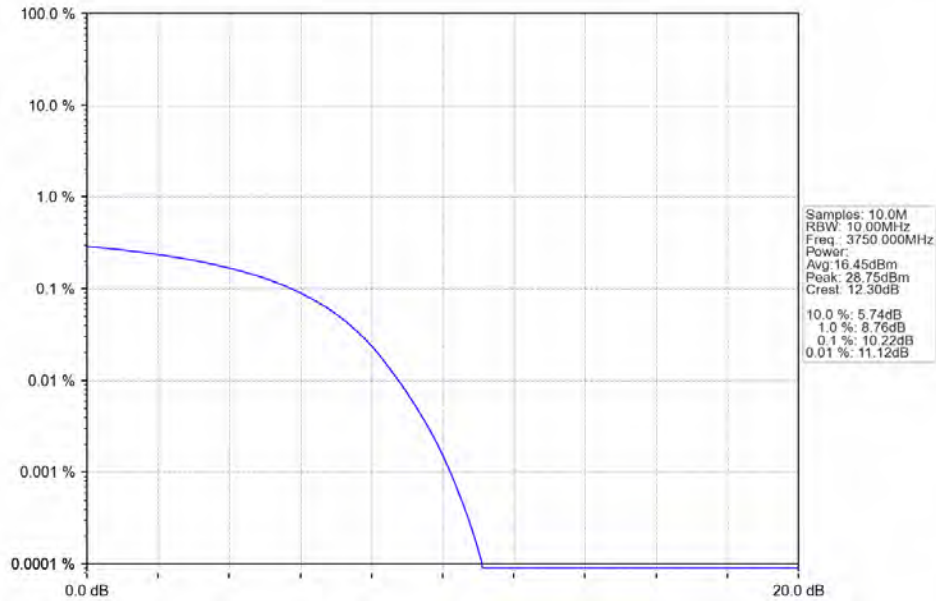
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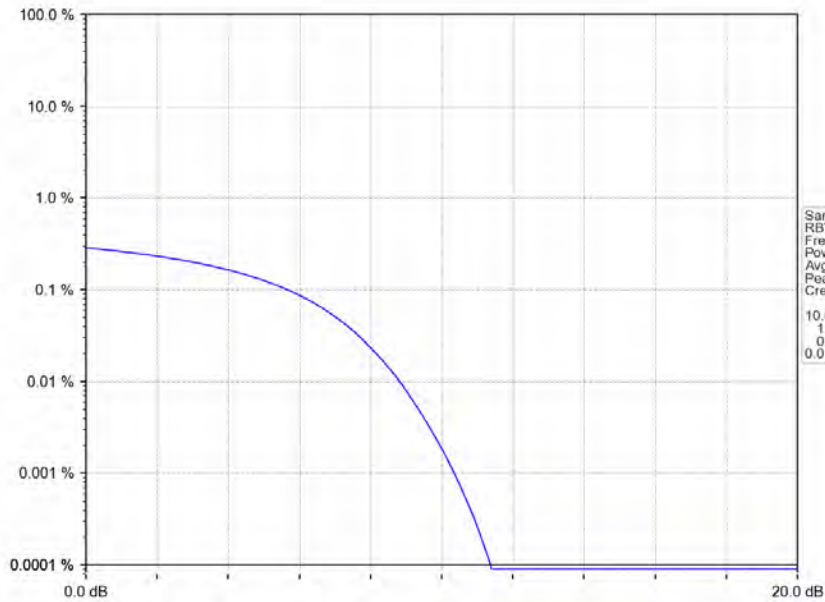
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Band43d 20MHz 64QAM HCH 3790MHz RB 100 0 NTNV



Band43d 20MHz 256QAM LCH 3710MHz RB 100 0 NTNV



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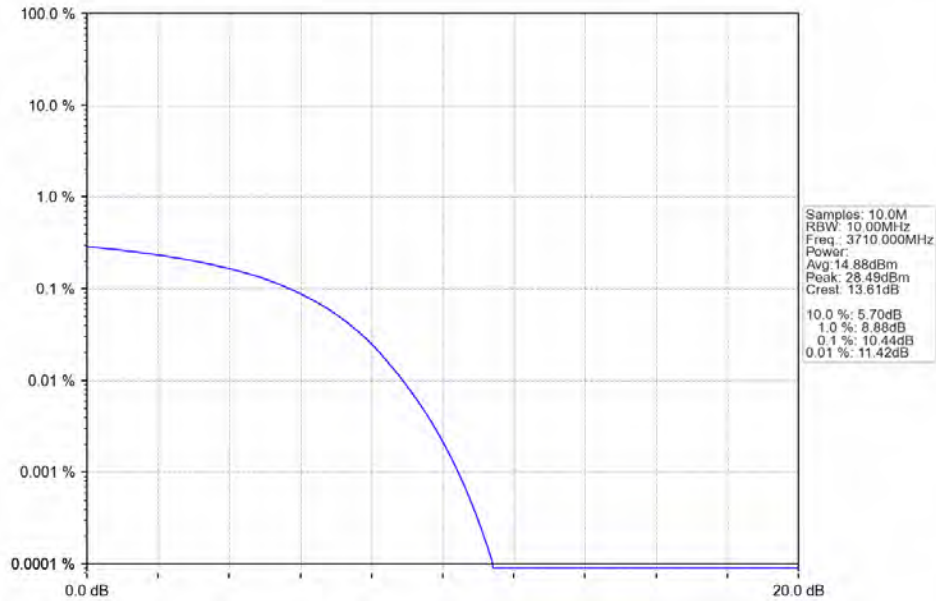
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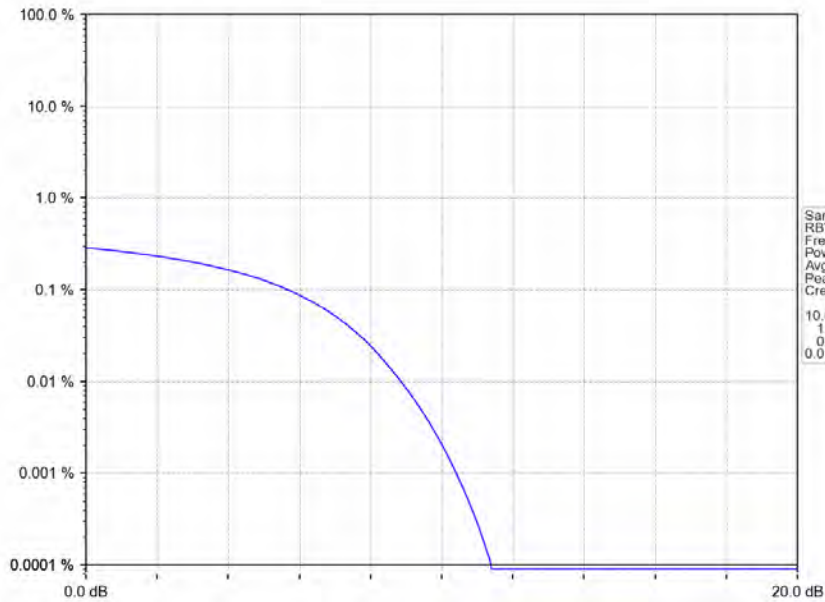
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Band43d_20MHz_256QAM_MCH_3750MHz_RB_100_0_NTNV



Band43d_20MHz_256QAM_HCH_3790MHz_RB_100_0_NTNV



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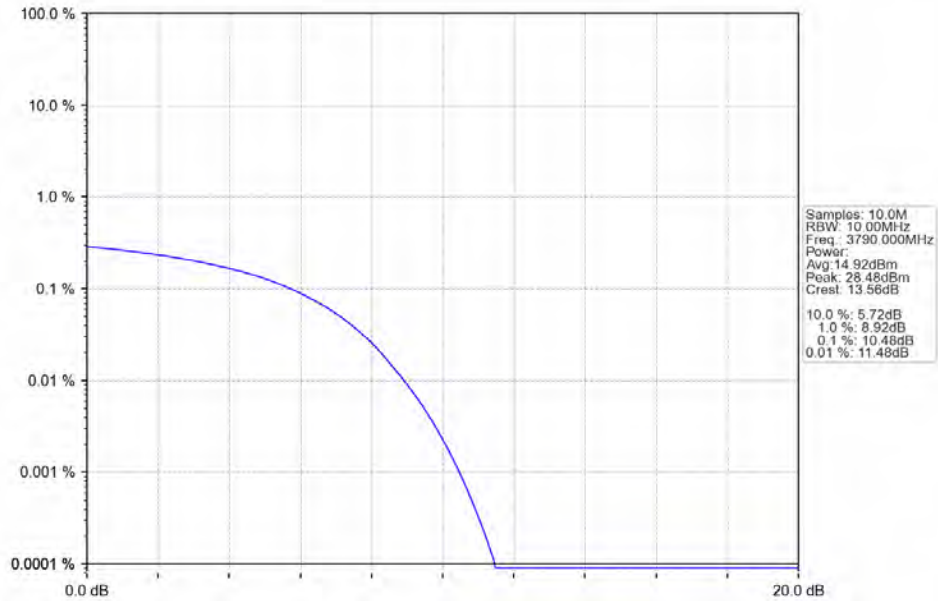
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5. Spurious Emission & Band Edges

5.1 B43d_5MHz

5.1.1 Test Result

Band: 43d / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3702.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3750	1	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
	3797.5		24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass



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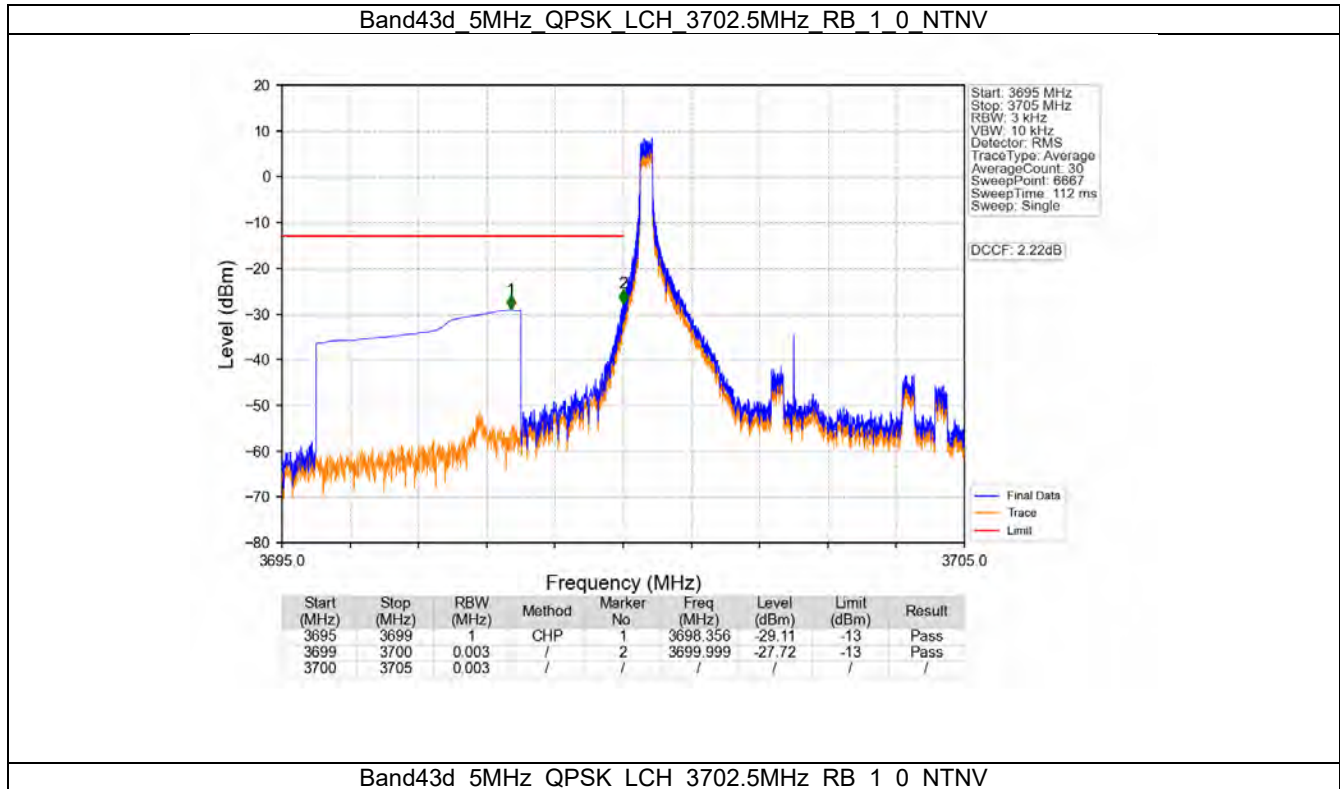
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5.1.2 Test Graph



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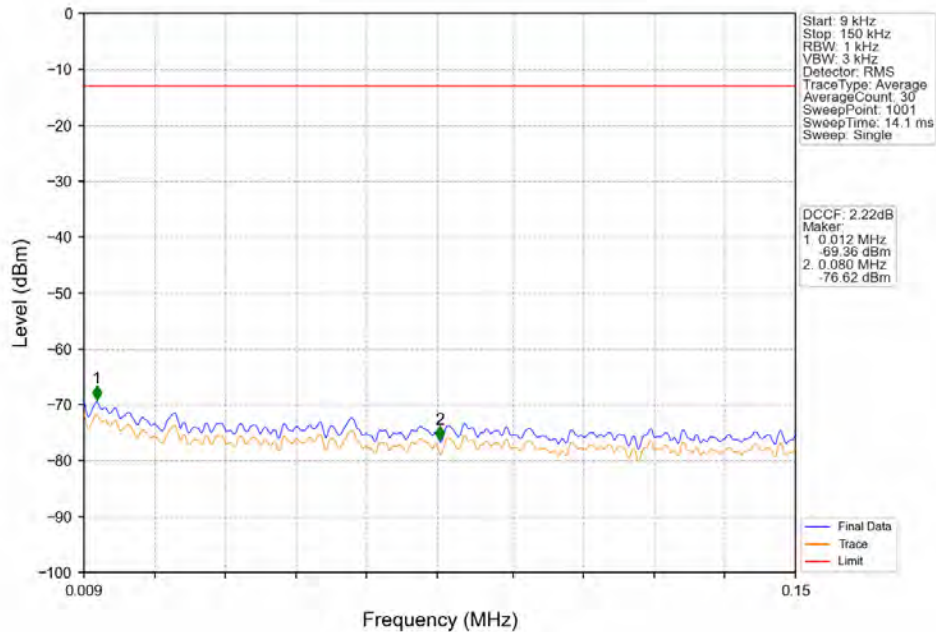
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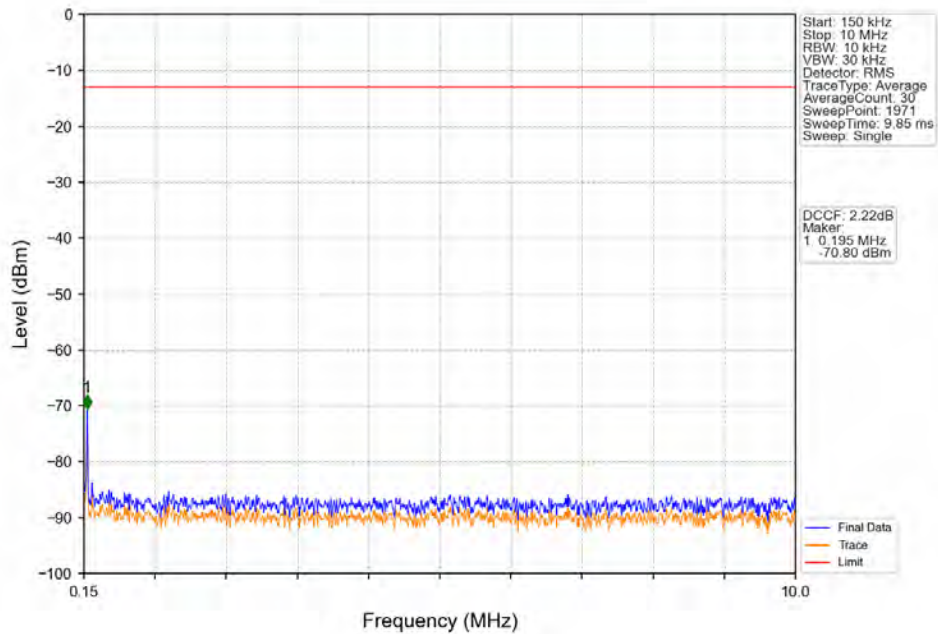
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Band43d_5MHz_QPSK_LCH_3702.5MHz_RB_1_0_NTNV



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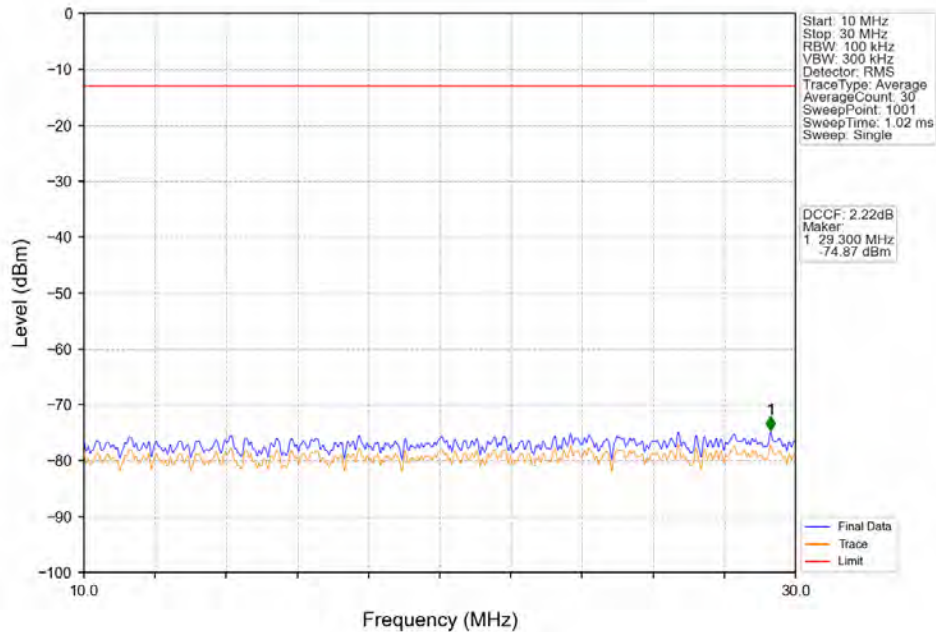
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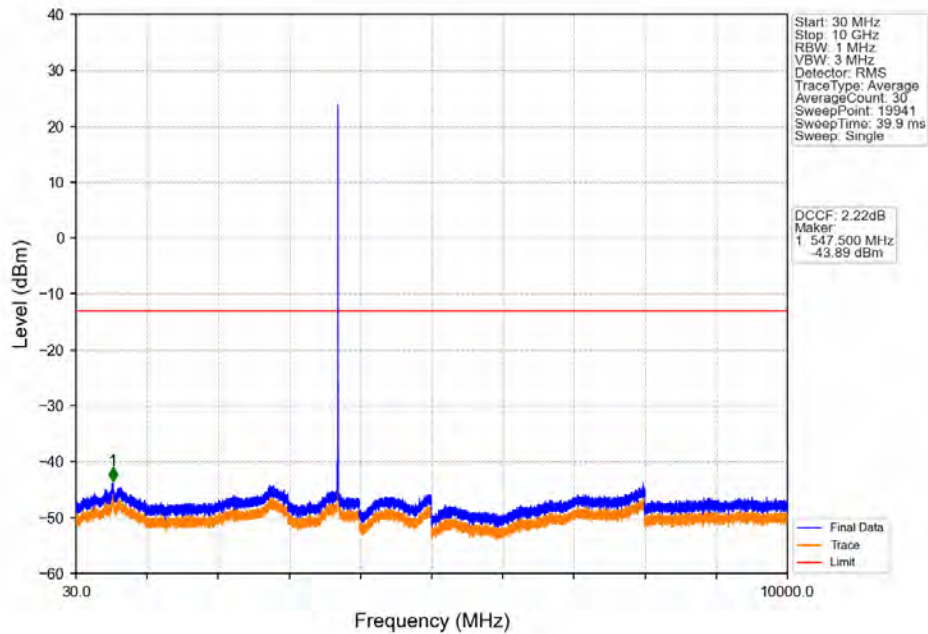
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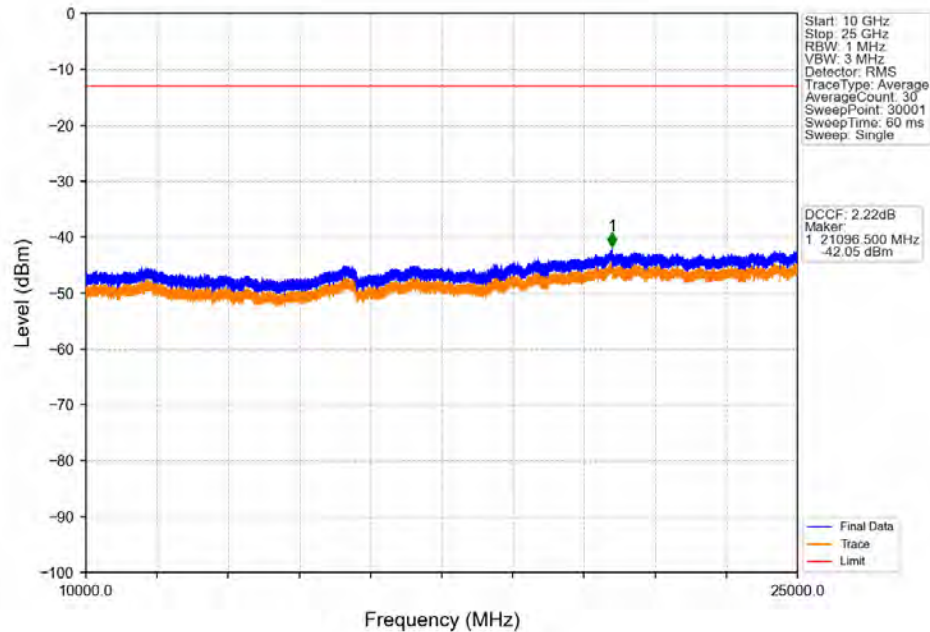
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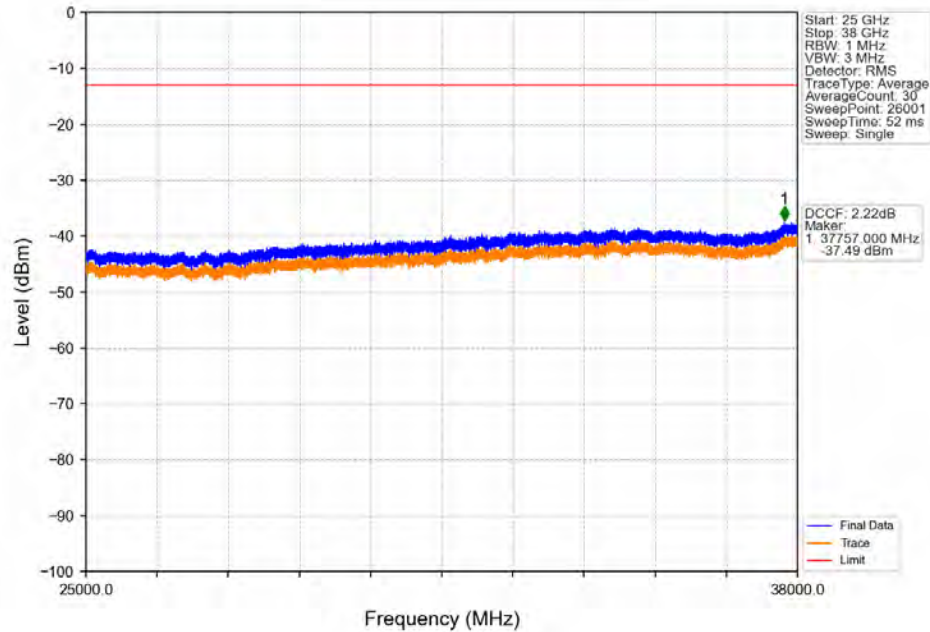
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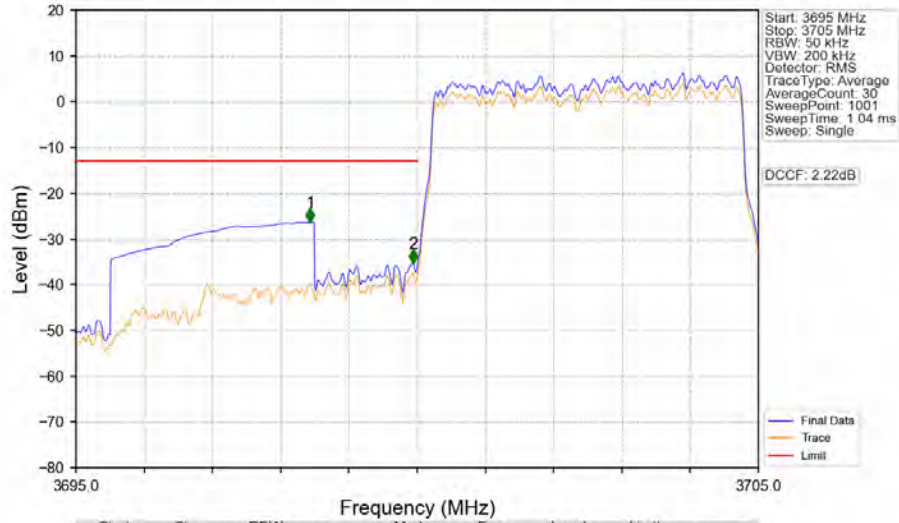
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.05	CHP	1	3698.430	-26.34	-13	Pass
3699	3700	0.05	/	2	3699.940	-35.45	-13	Pass
3700	3705	0.05	/	/	/	/	/	/



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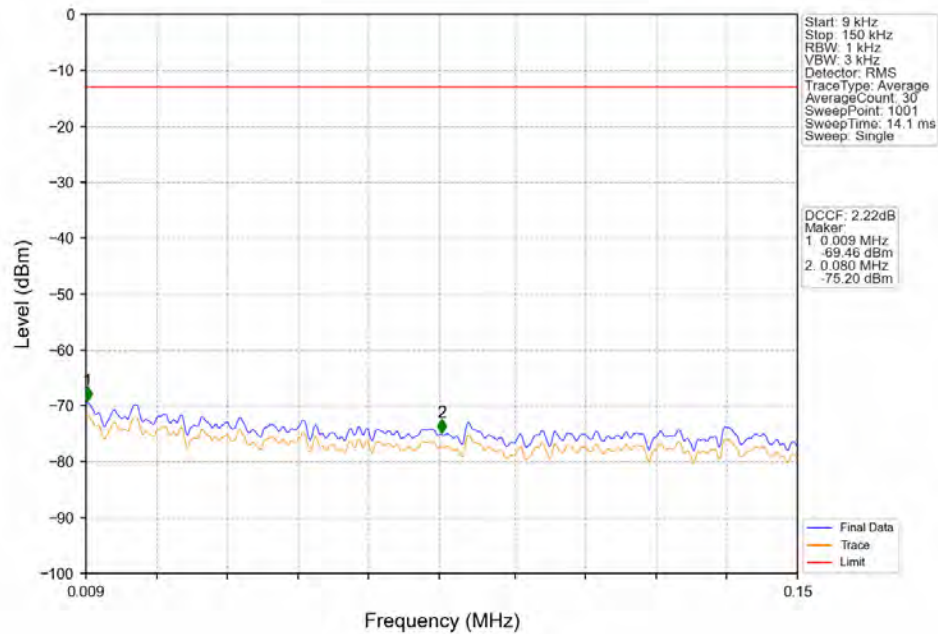
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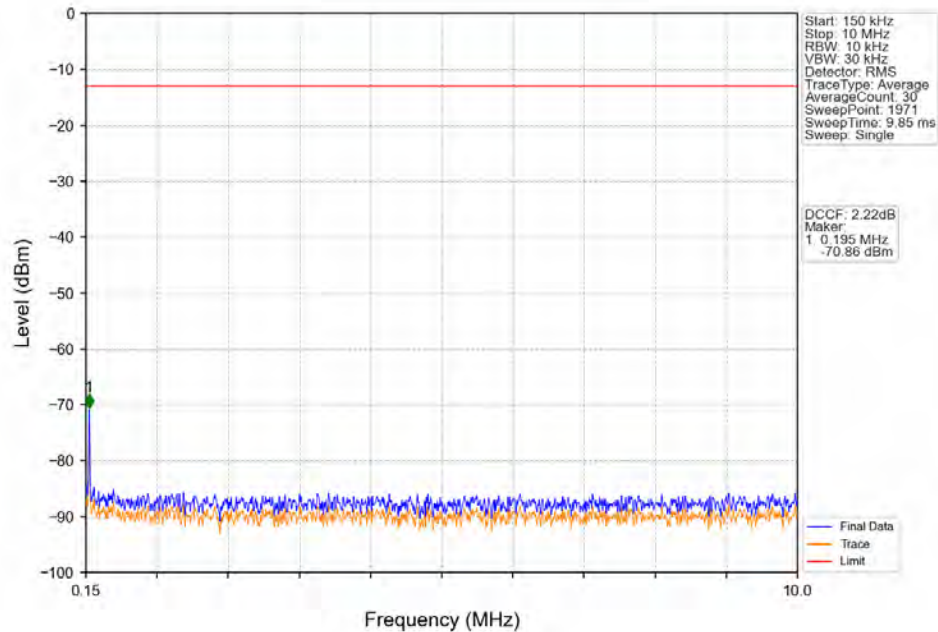
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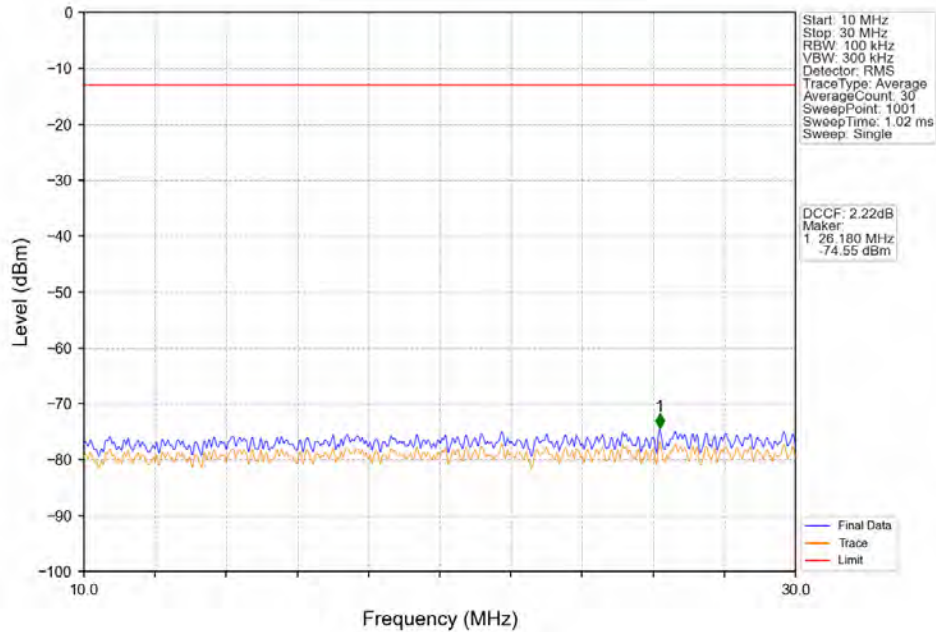
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Band43d_5MHz_QPSK_MCH_3750MHz_RB_1_0_NTNV



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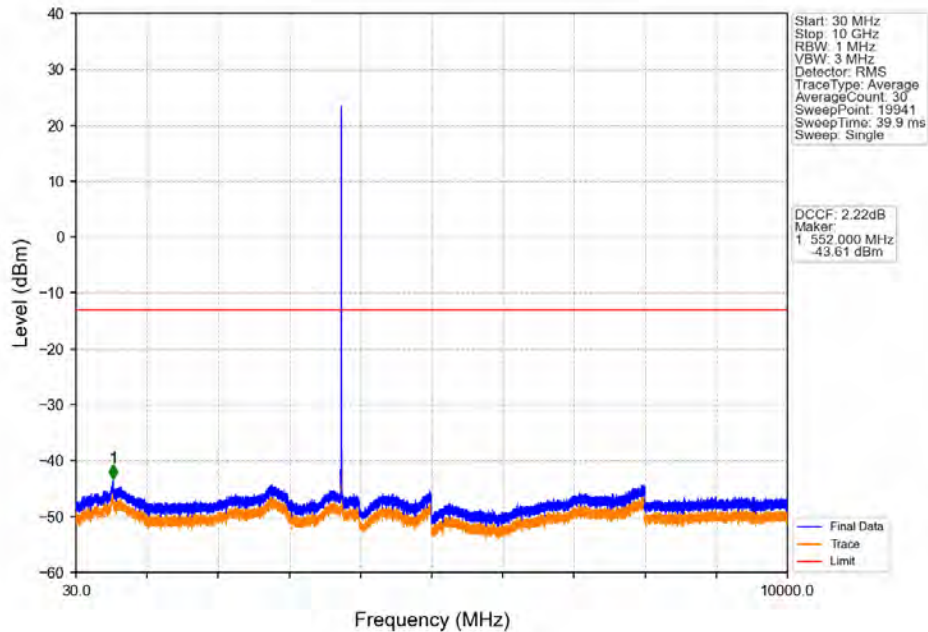
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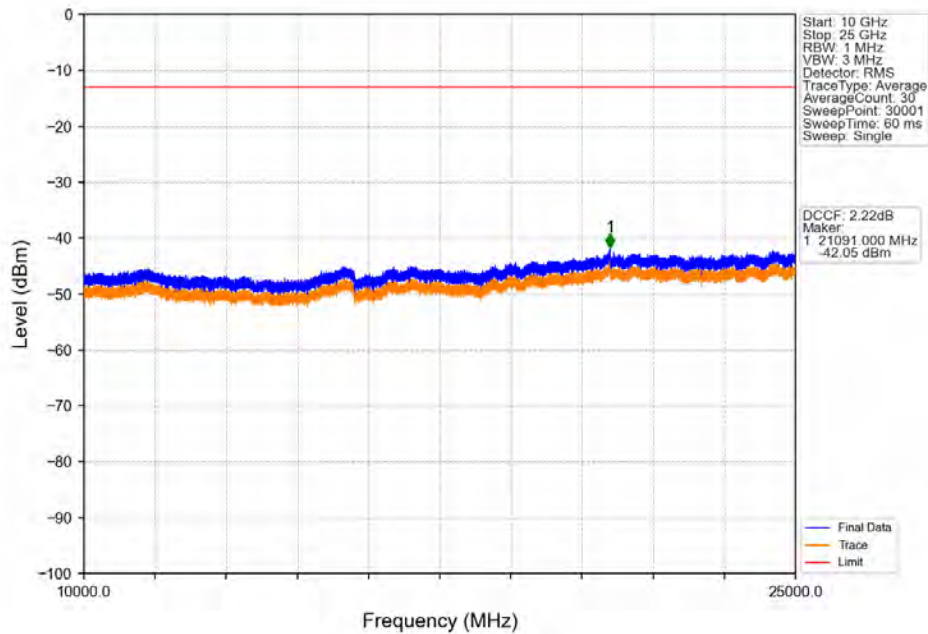
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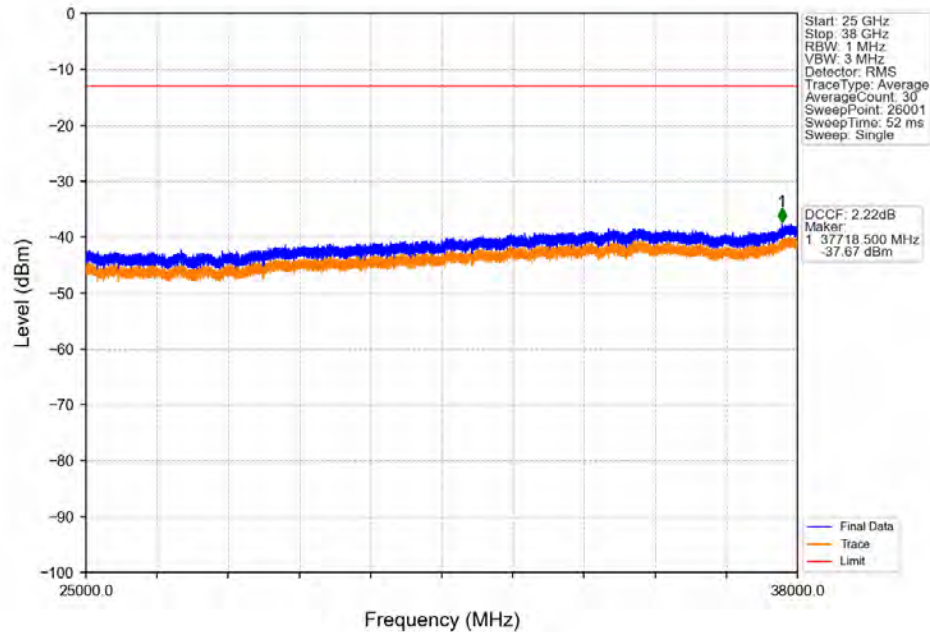
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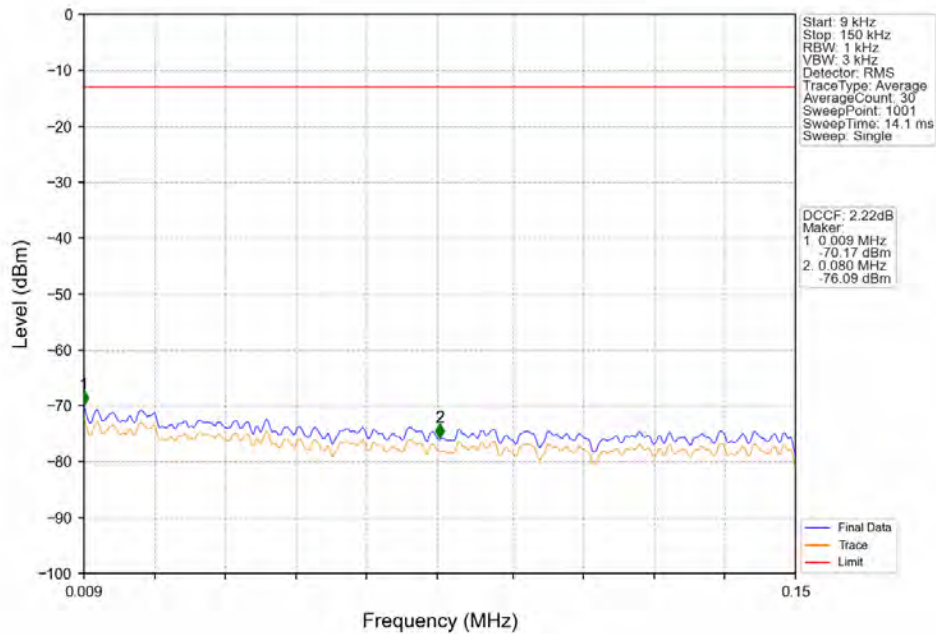
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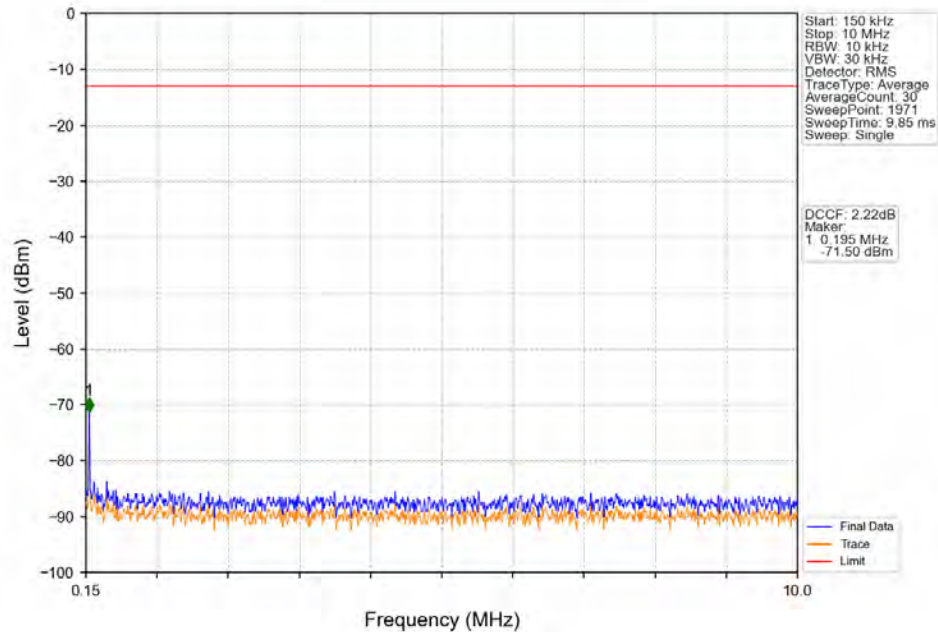
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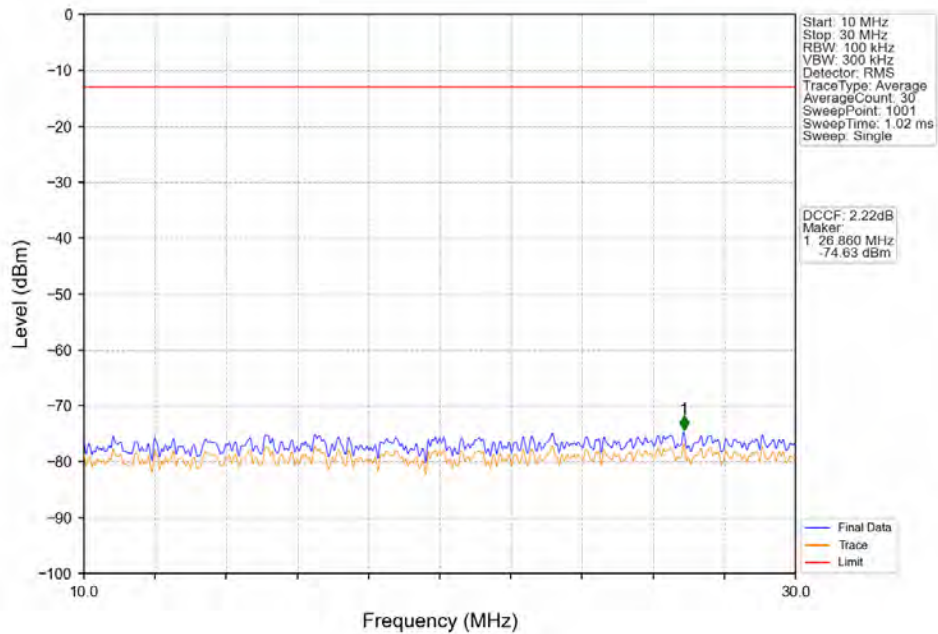
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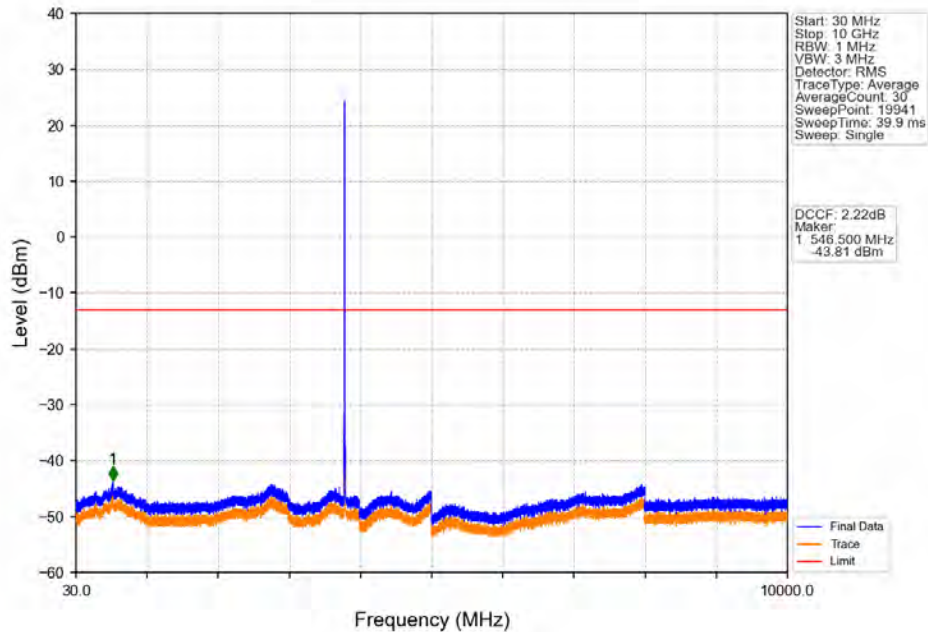
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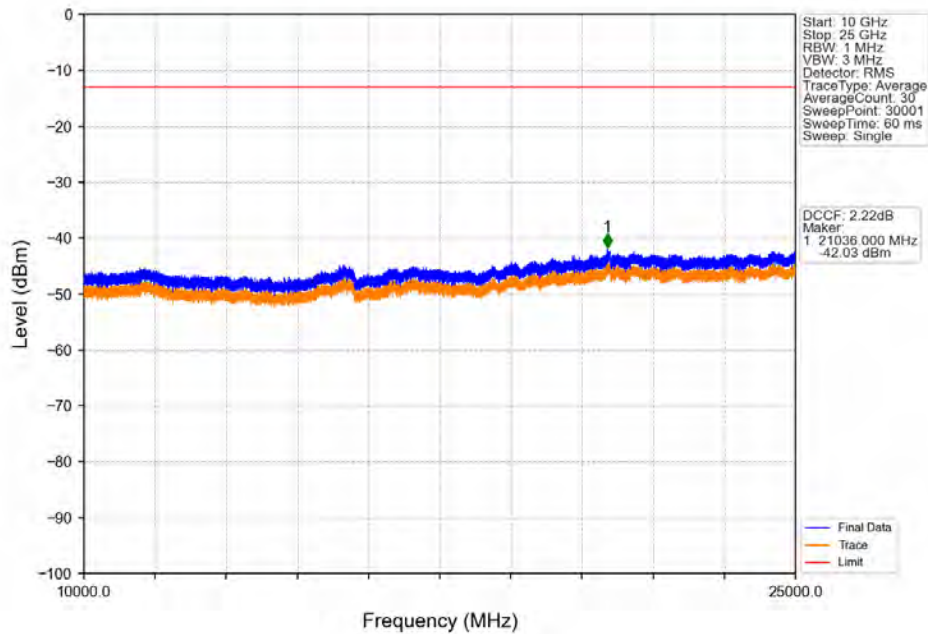
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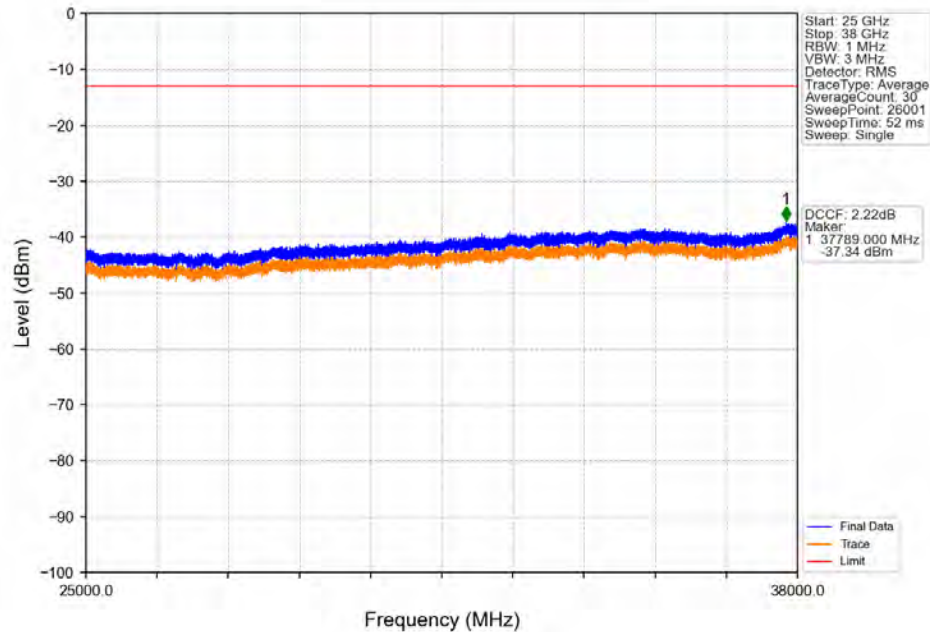
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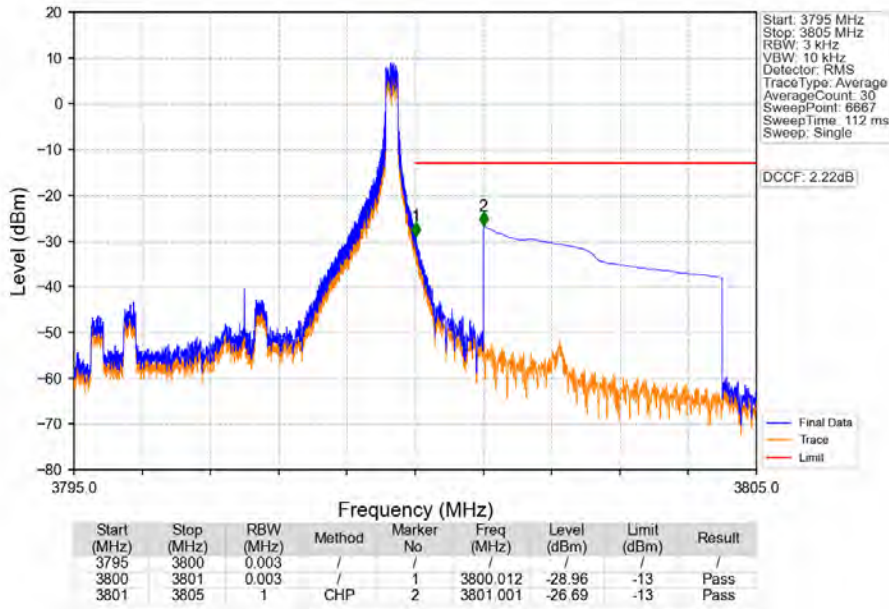
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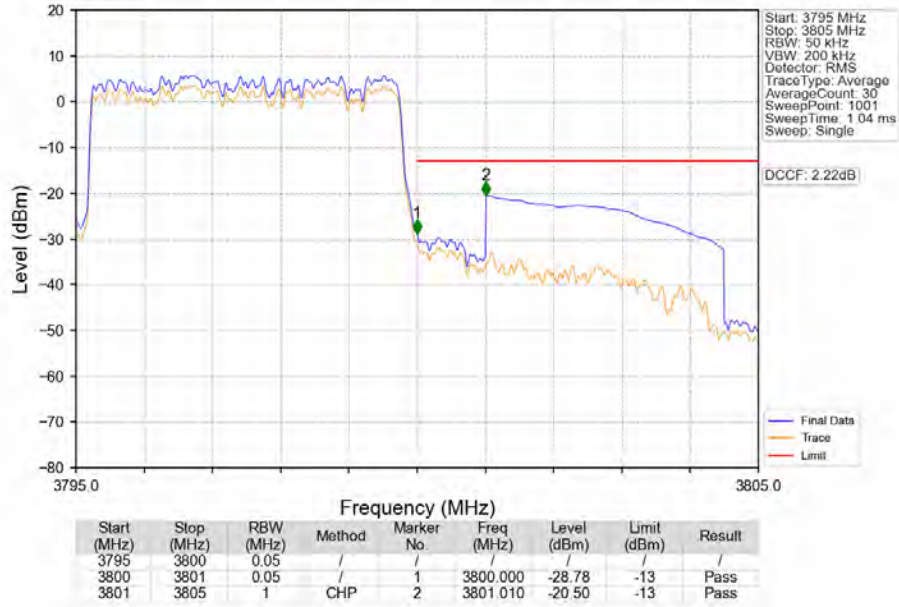
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5.2 B43d_10MHz

5.2.1 Test Result

Band: 43d / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3705	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3750	1	0	Refer To Test Graph		Pass
	3795	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass



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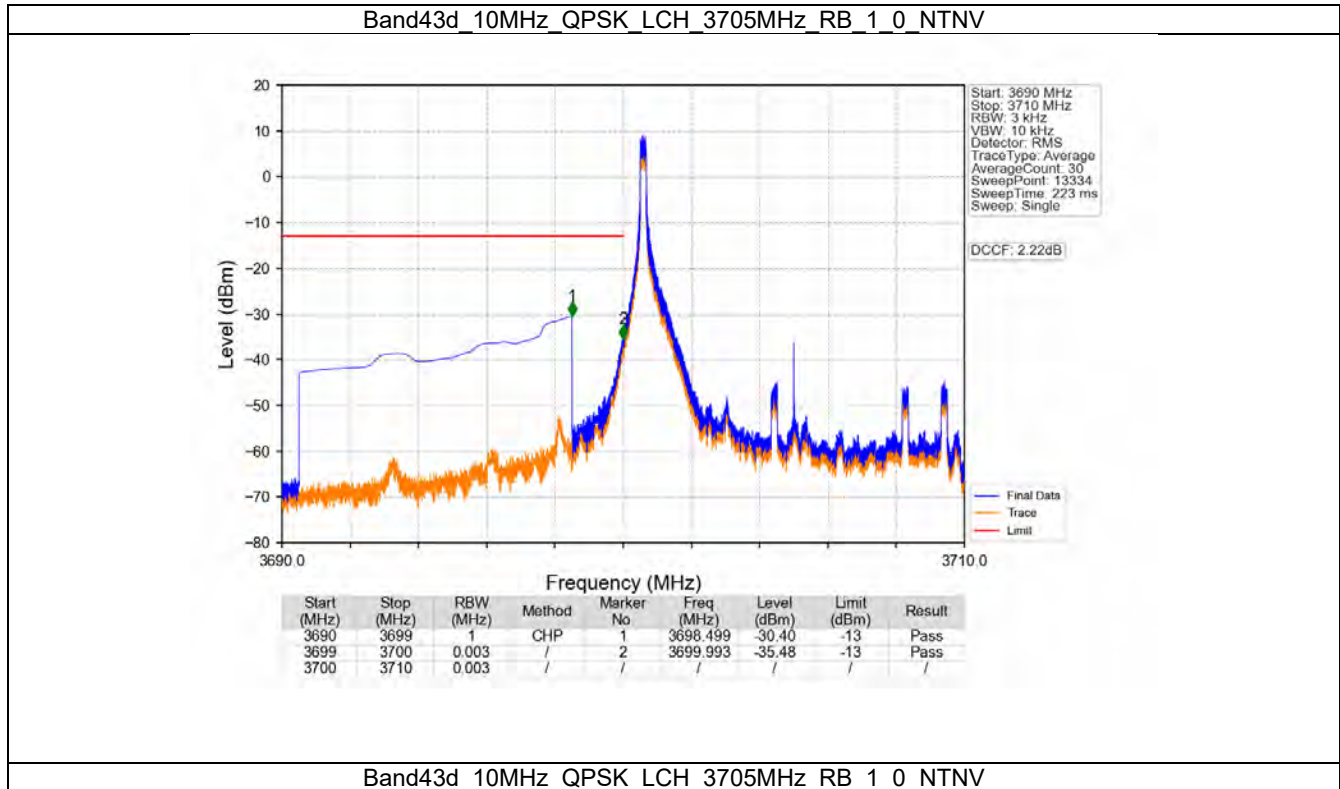
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5.2.2 Test Graph



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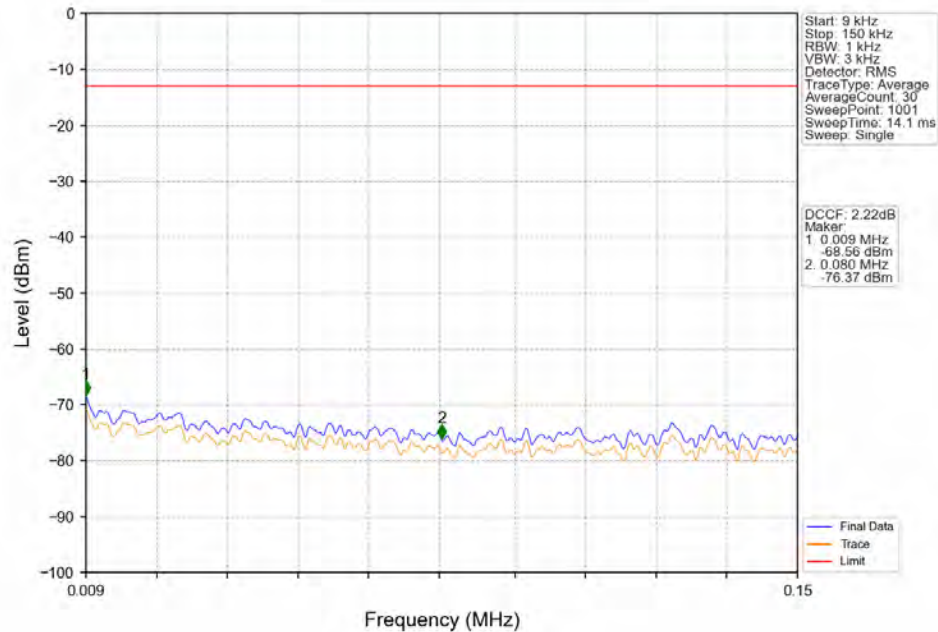
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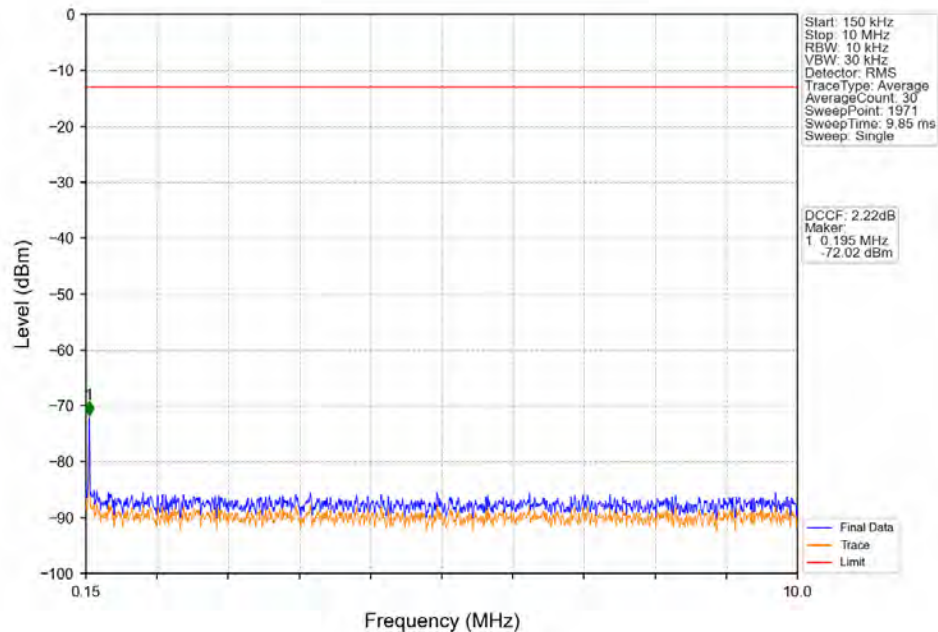
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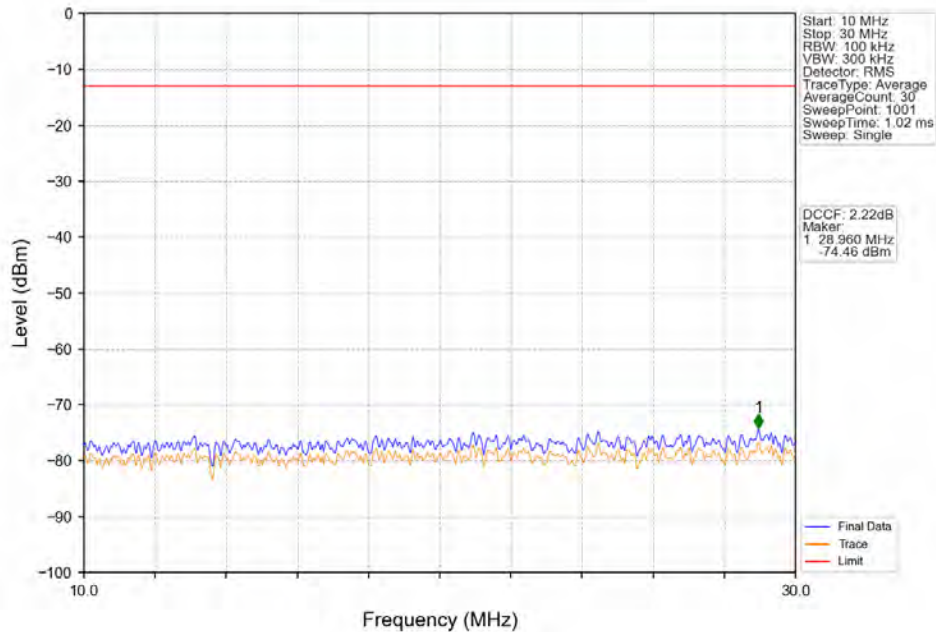
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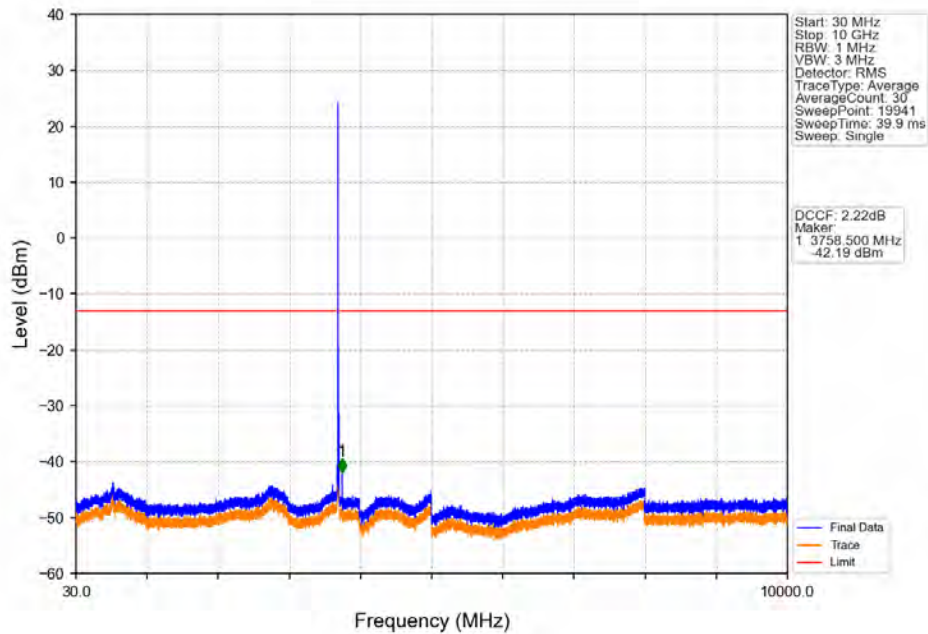
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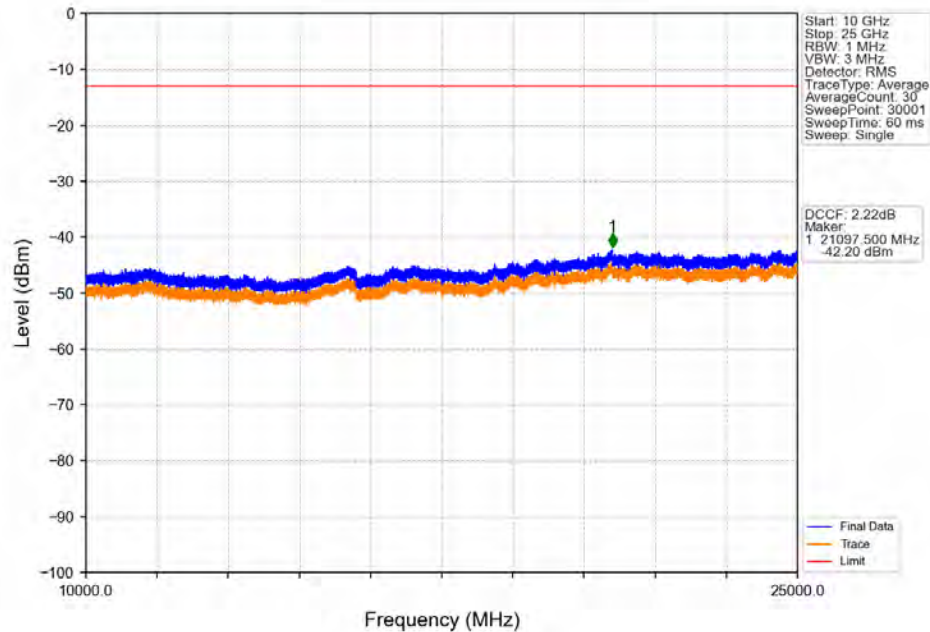
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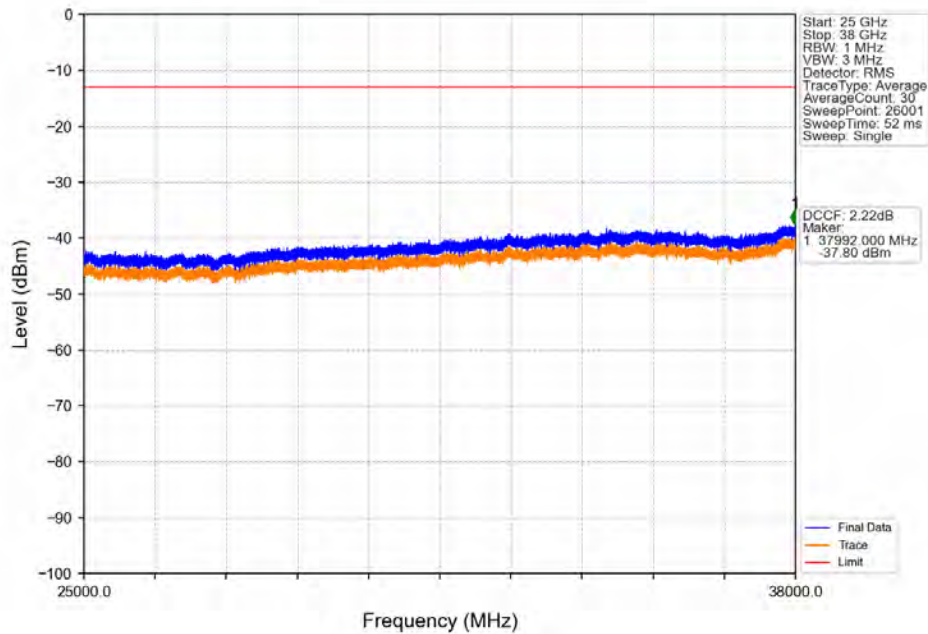
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Band43d_10MHz_QPSK_LCH_3705MHz_RB_50_0_NTNV



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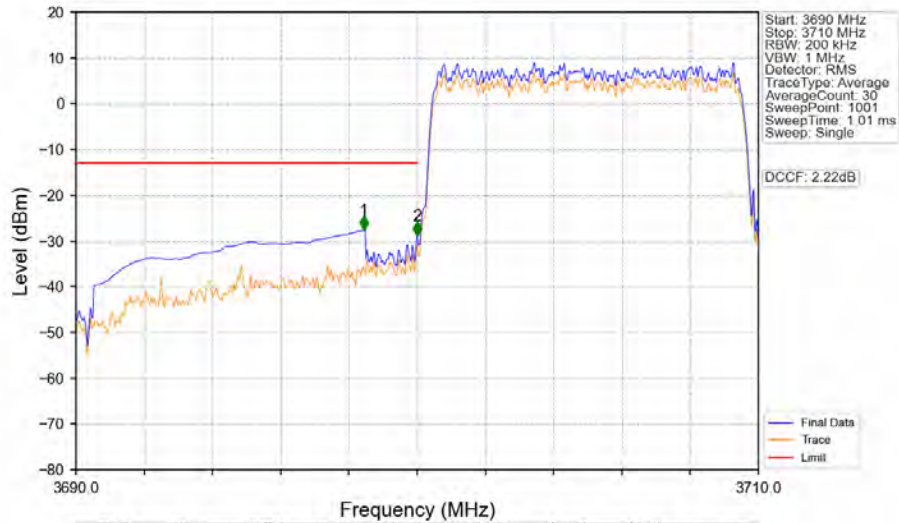
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3690	3699	1	CHP	1	3698.440	-27.69	-13	Pass
3699	3700	0.2	/	2	3700.000	-28.84	-13	Pass
3700	3710	0.2	/	/	/	/	/	/



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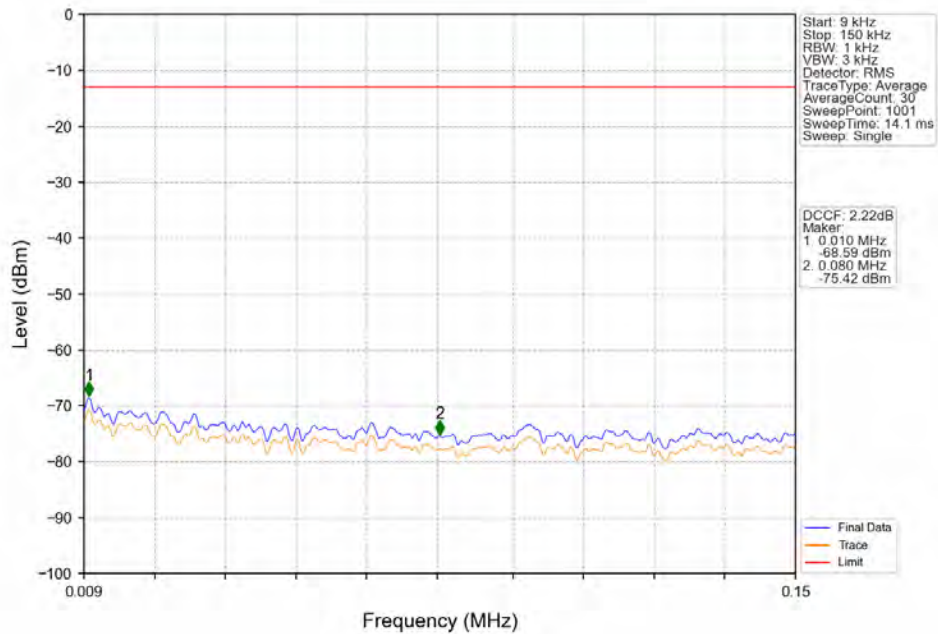
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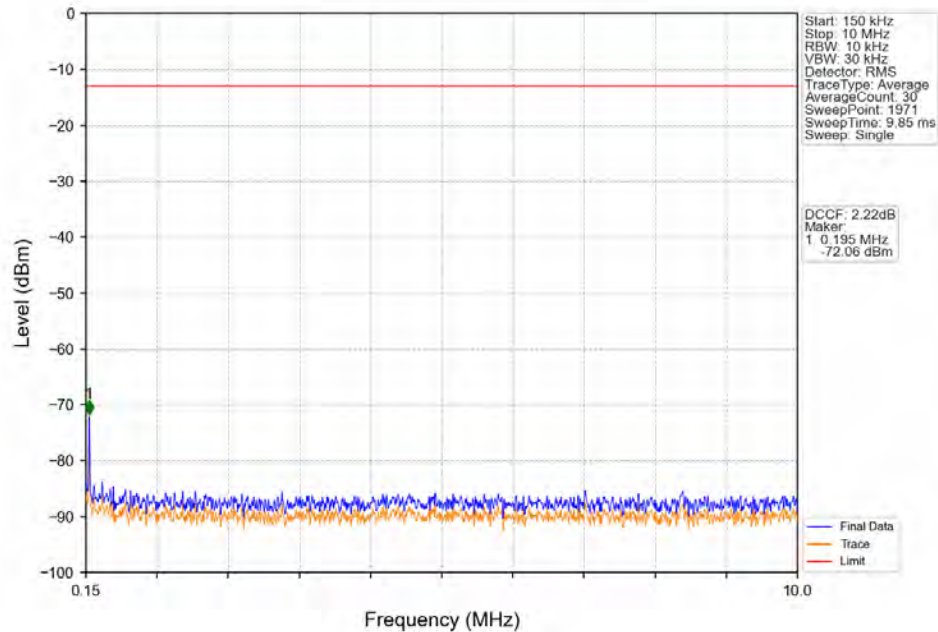
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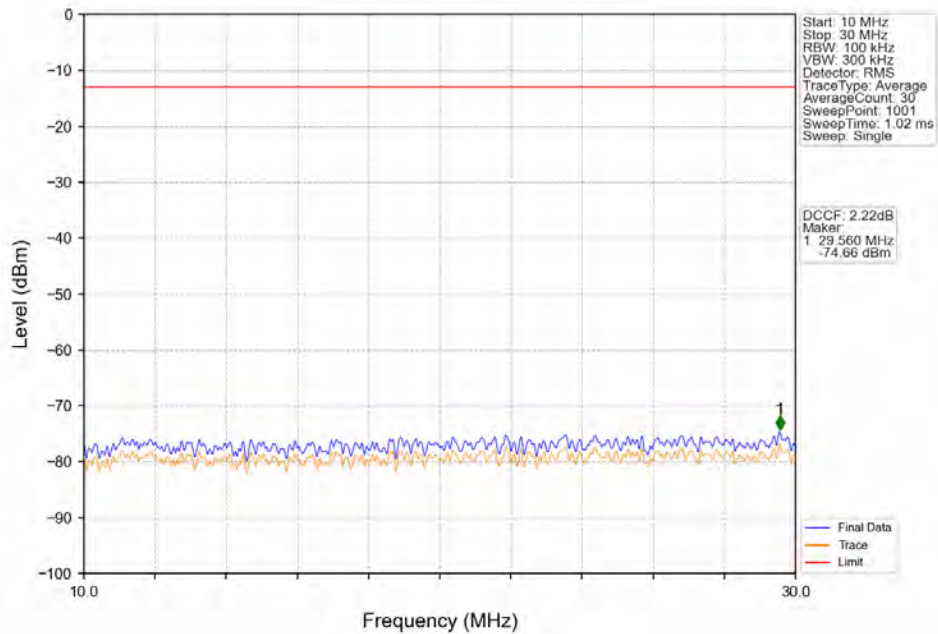
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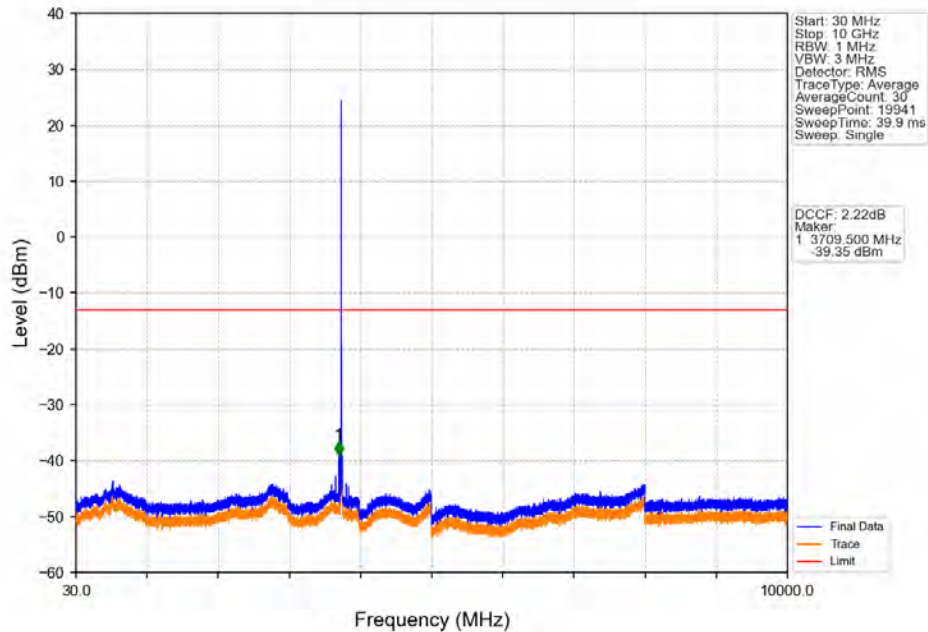
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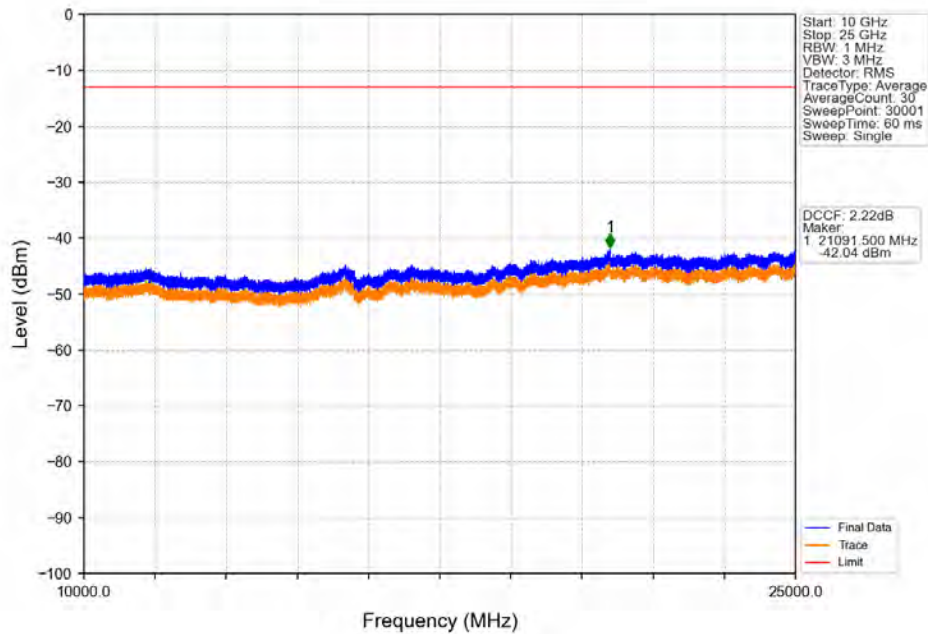
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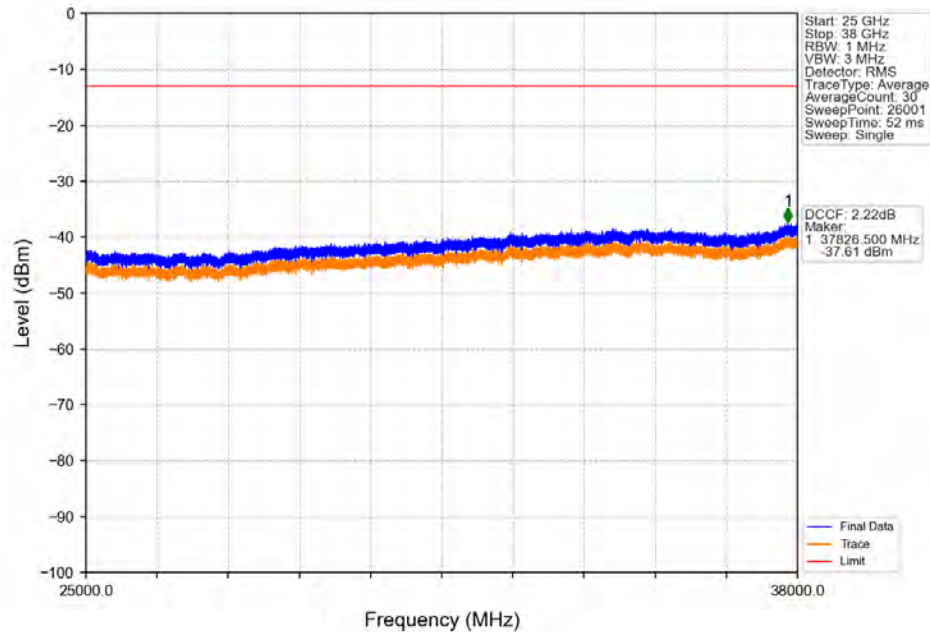
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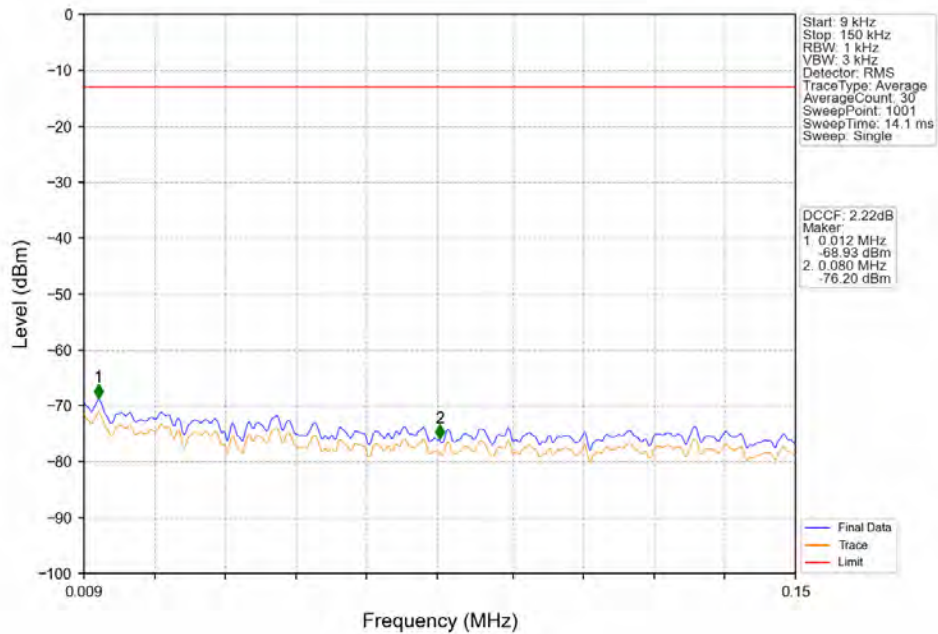
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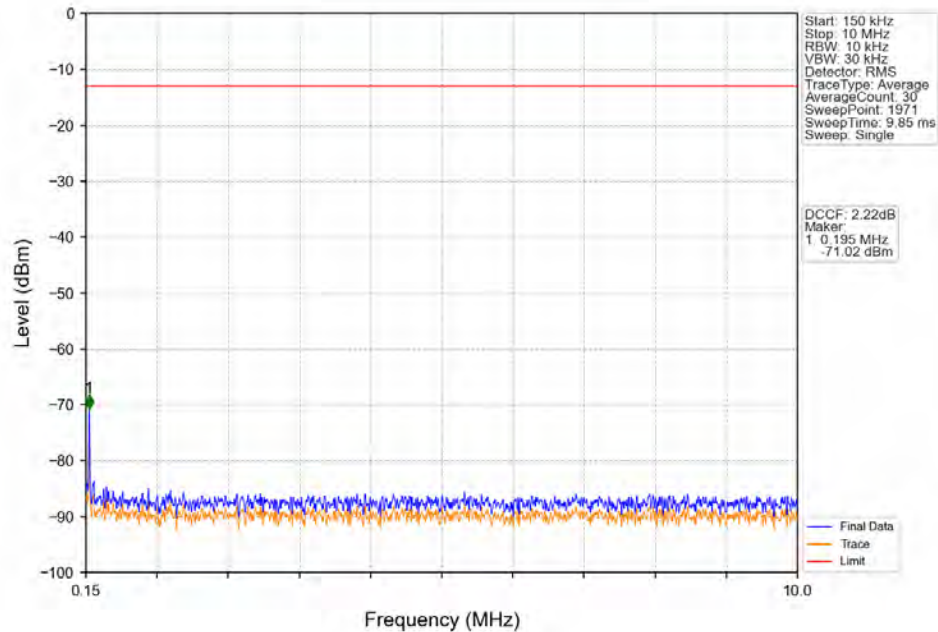
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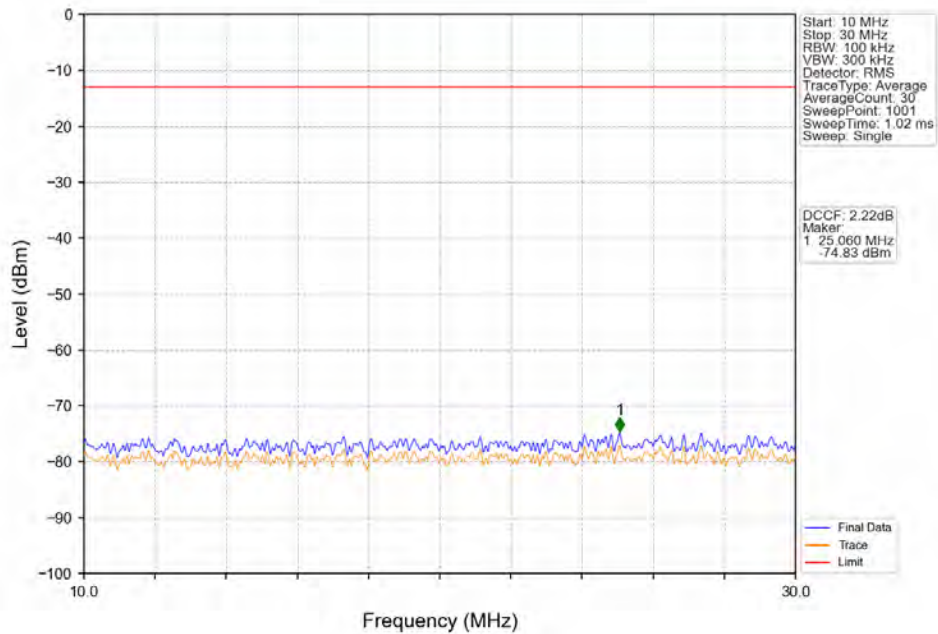
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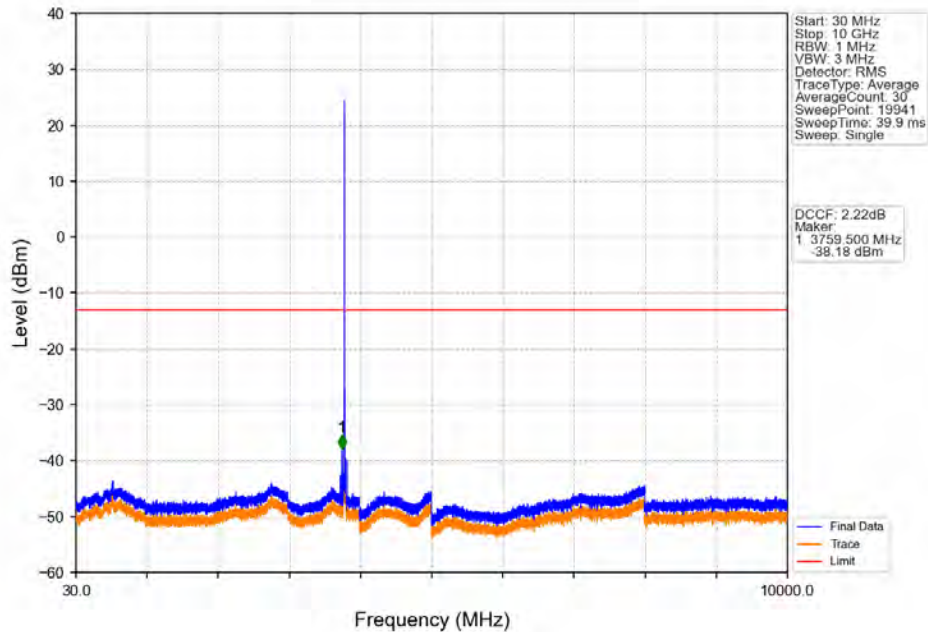
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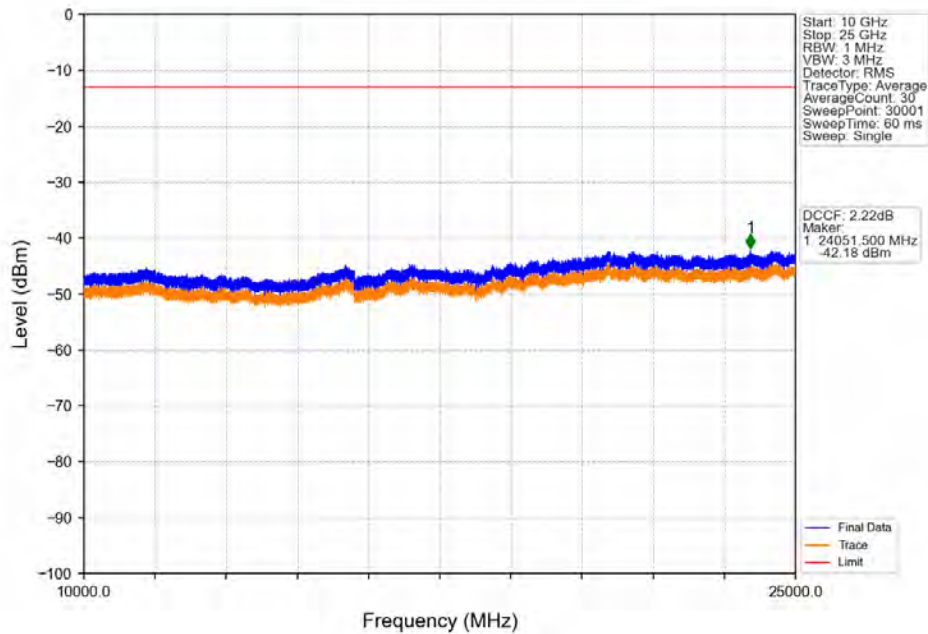
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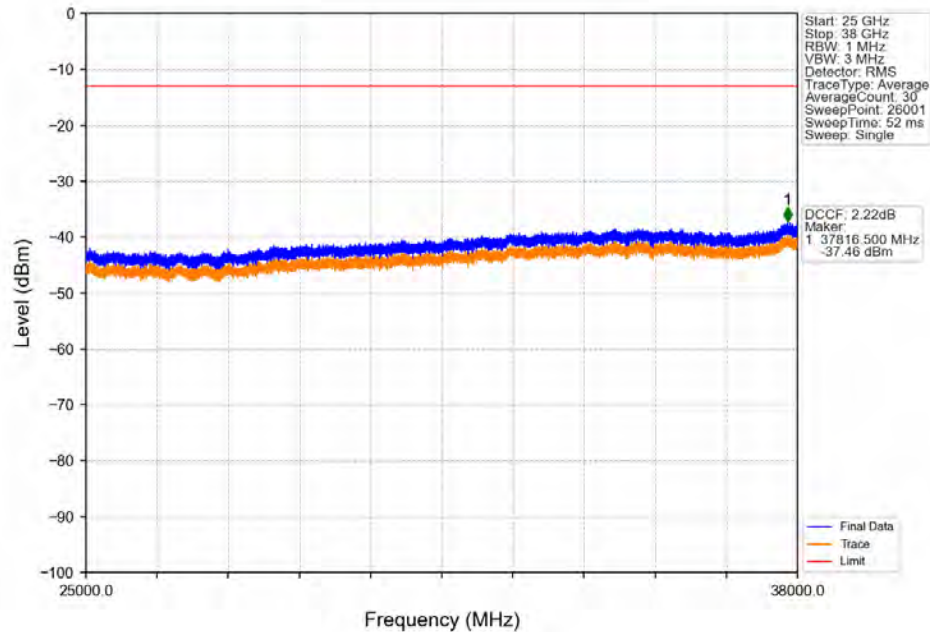
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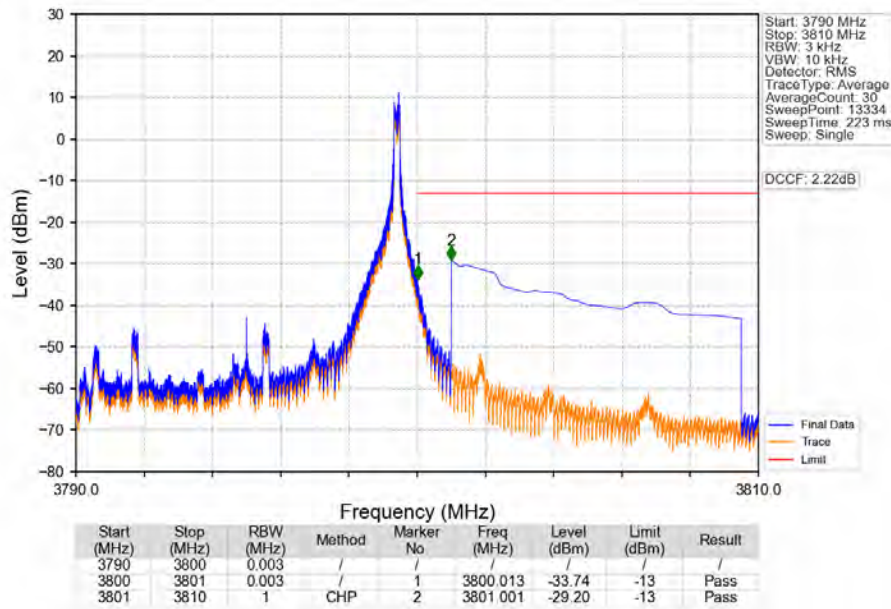
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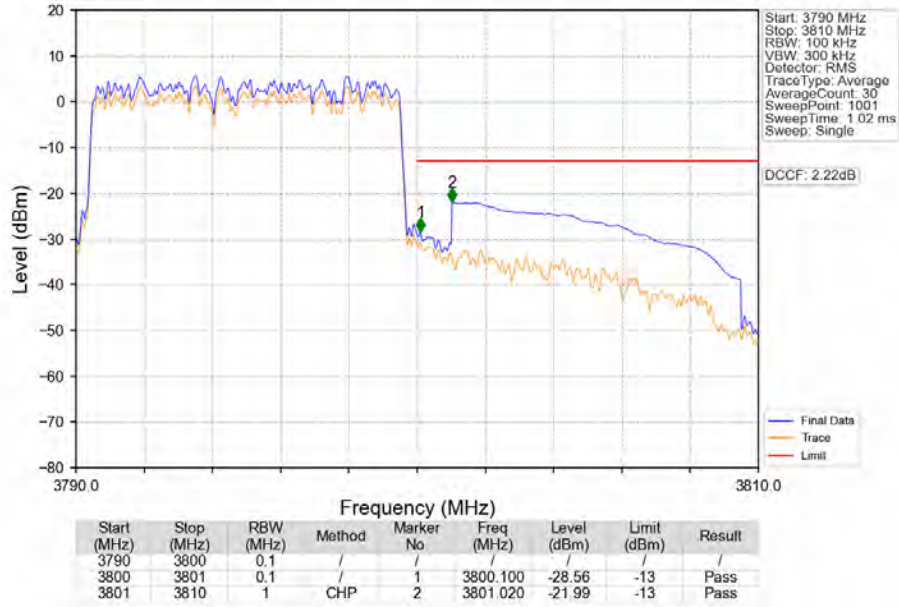
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5.3 B43d_15MHz

5.3.1 Test Result

Band: 43d / Bandwidth: 15MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	3707.5	1	0	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
	3750	1	0	Refer To Test Graph	Pass
	3792.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass



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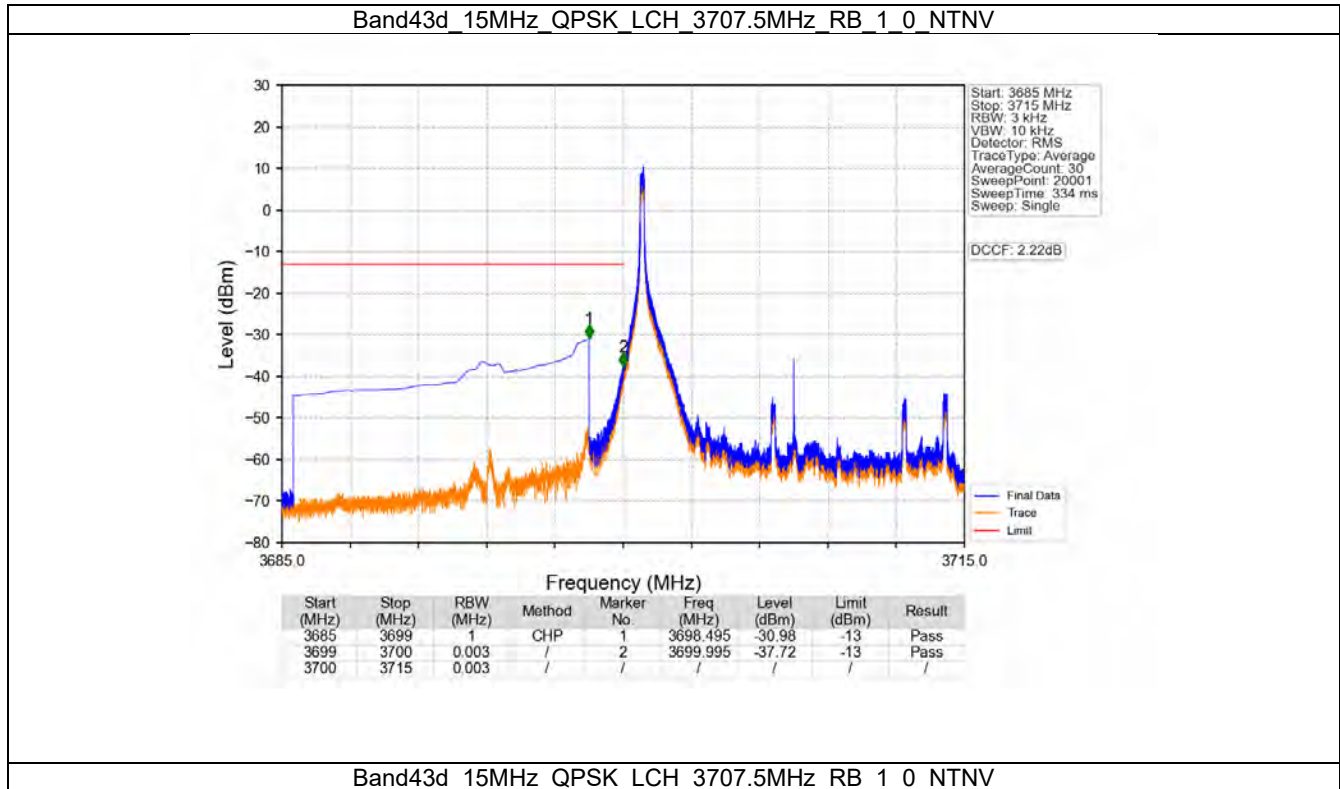
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5.3.2 Test Graph



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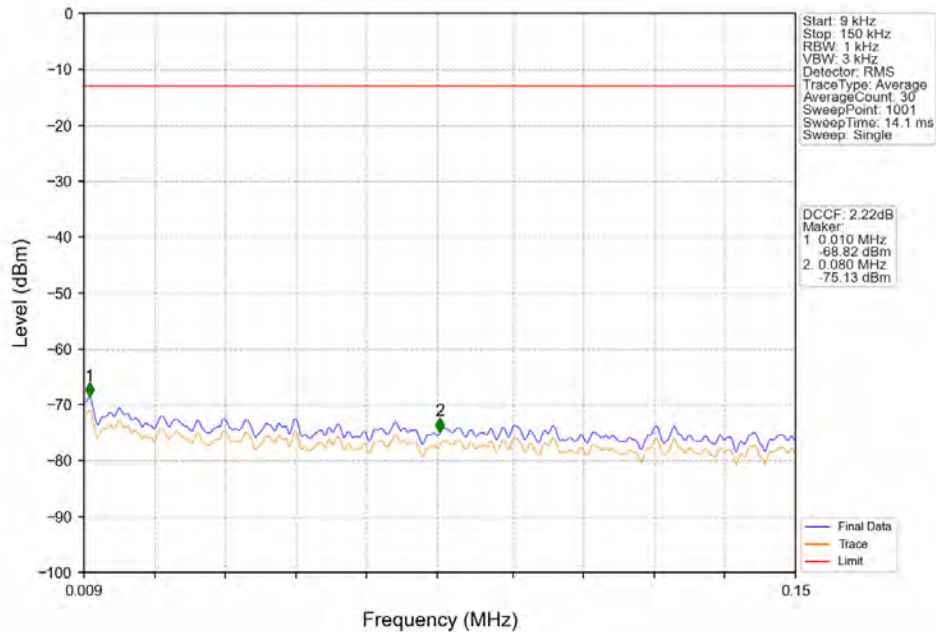
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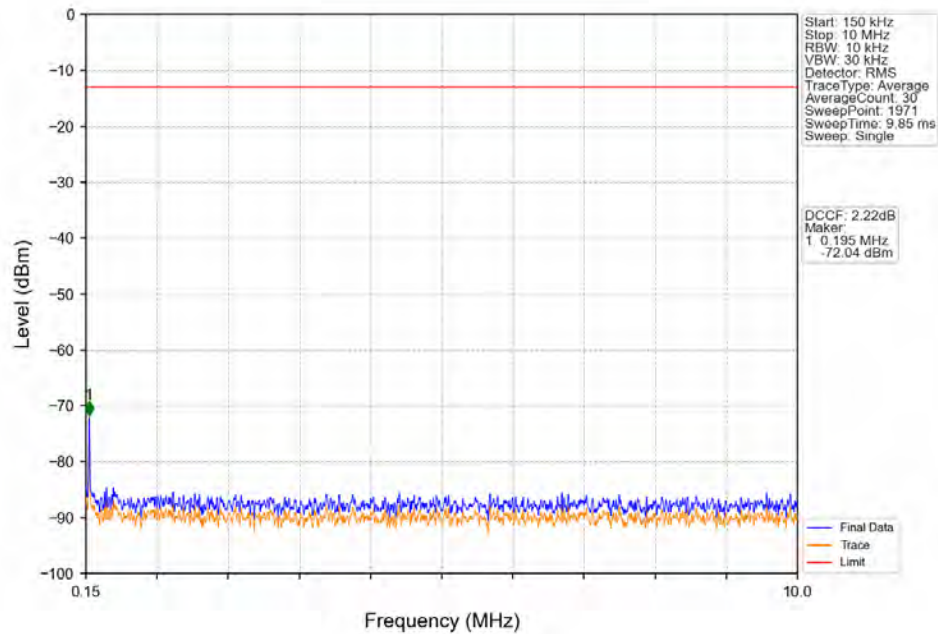
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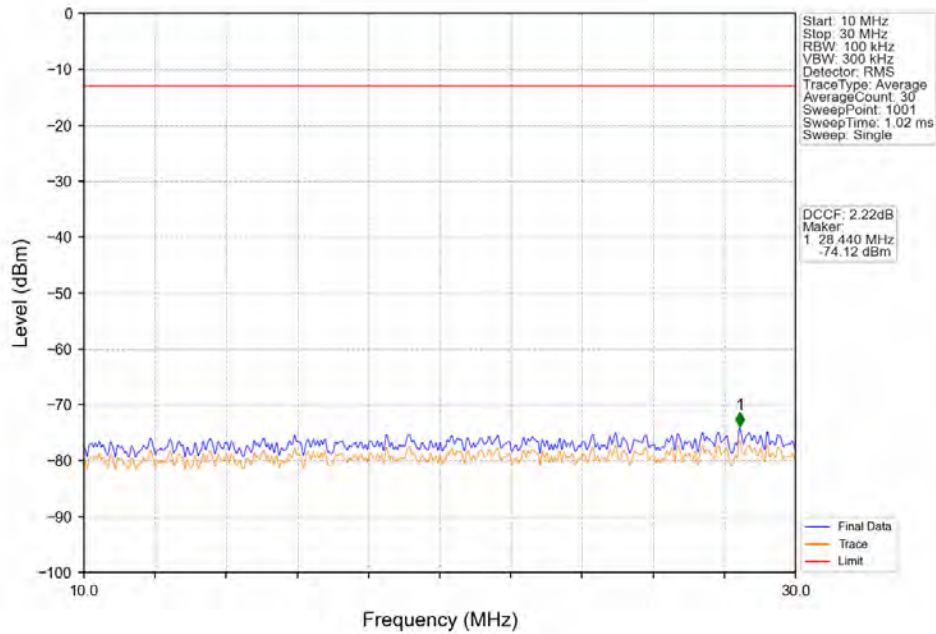
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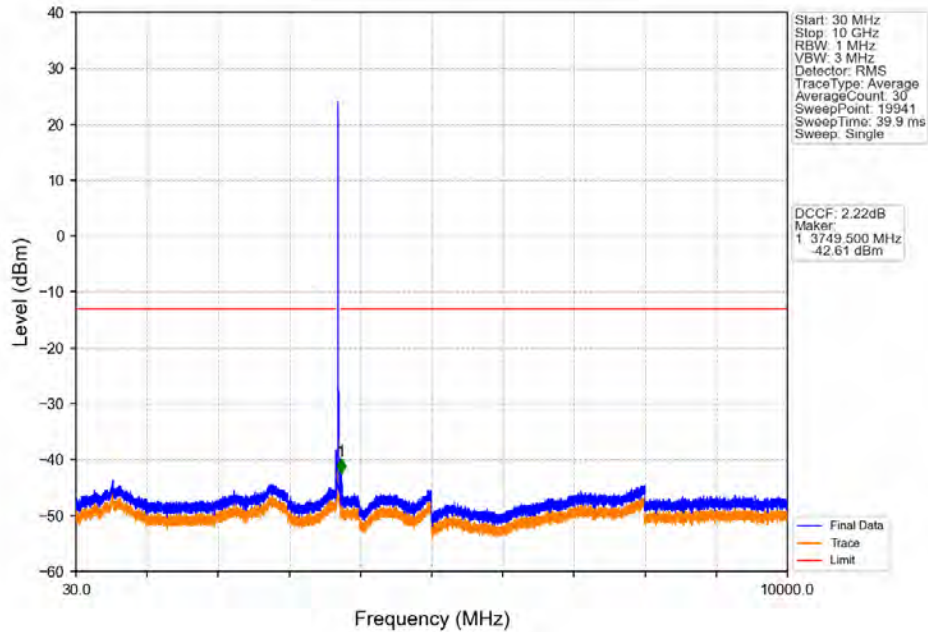
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Band43d_15MHz_QPSK_LCH_3707.5MHz_RB_1_0_NTNV



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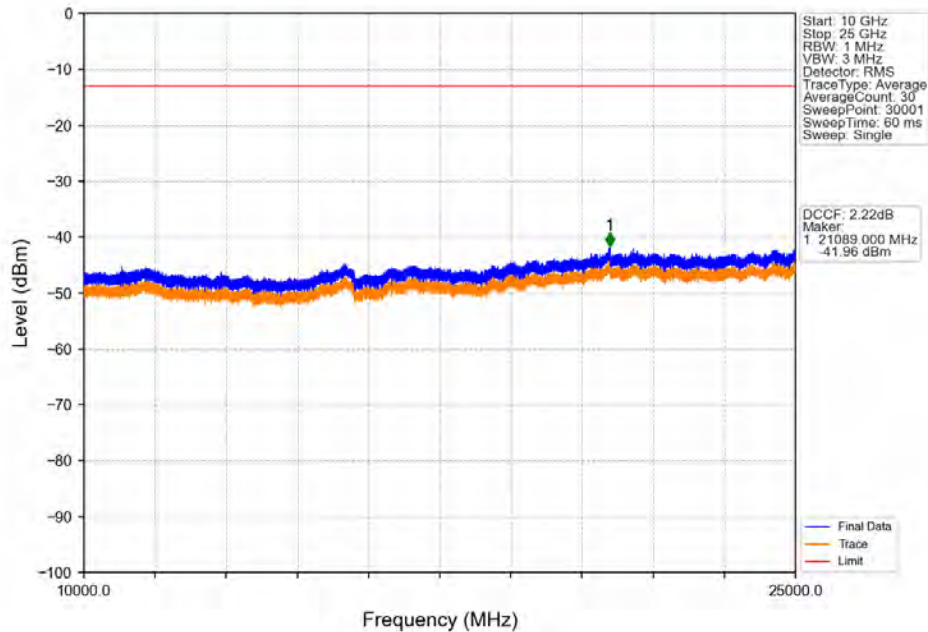
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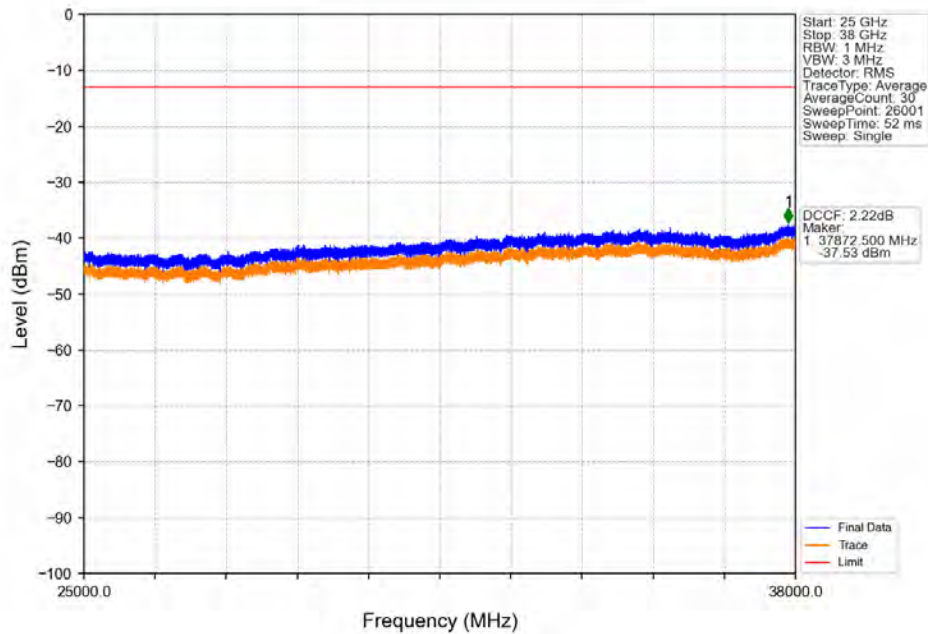
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Band43d_15MHz_QPSK_LCH_3707.5MHz_RB_75_0_NTNV



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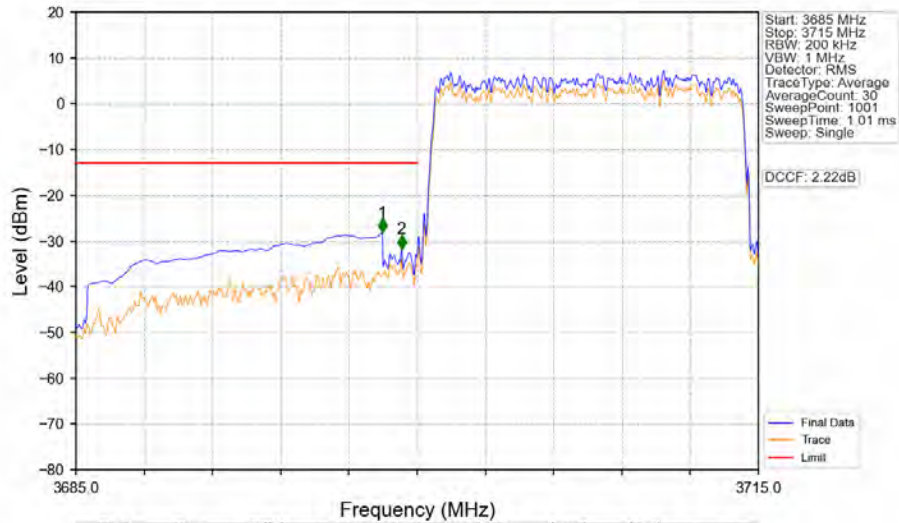
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3685	3699	1	CHP	1	3698.470	-28.16	-13	Pass
3699	3700	0.2	/	2	3699.310	-31.79	-13	Pass
3700	3715	0.2	/	/	/	/	/	/



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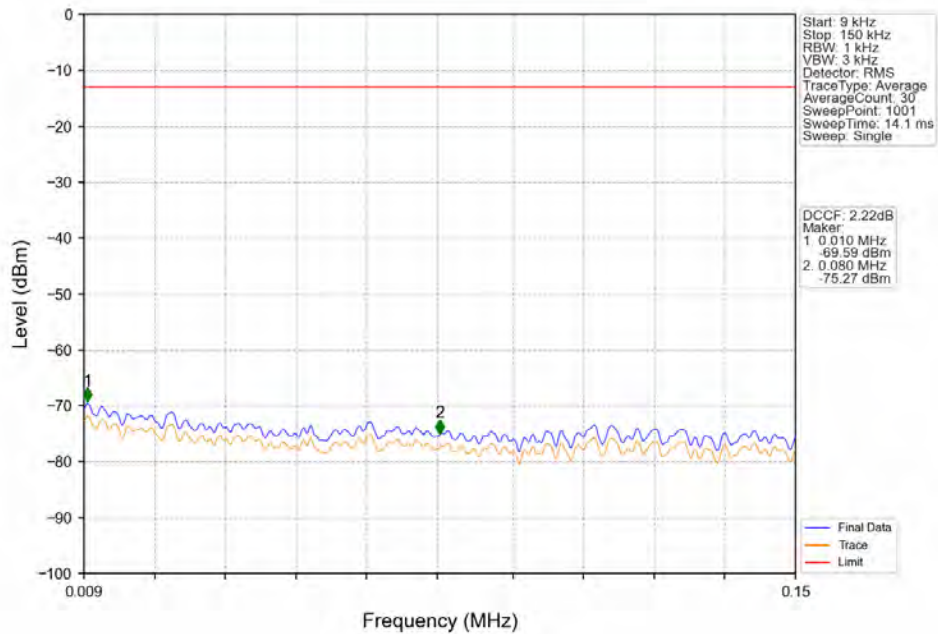
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Band43d_15MHz_QPSK_MCH_3750MHz_RB_1_0_NTNV



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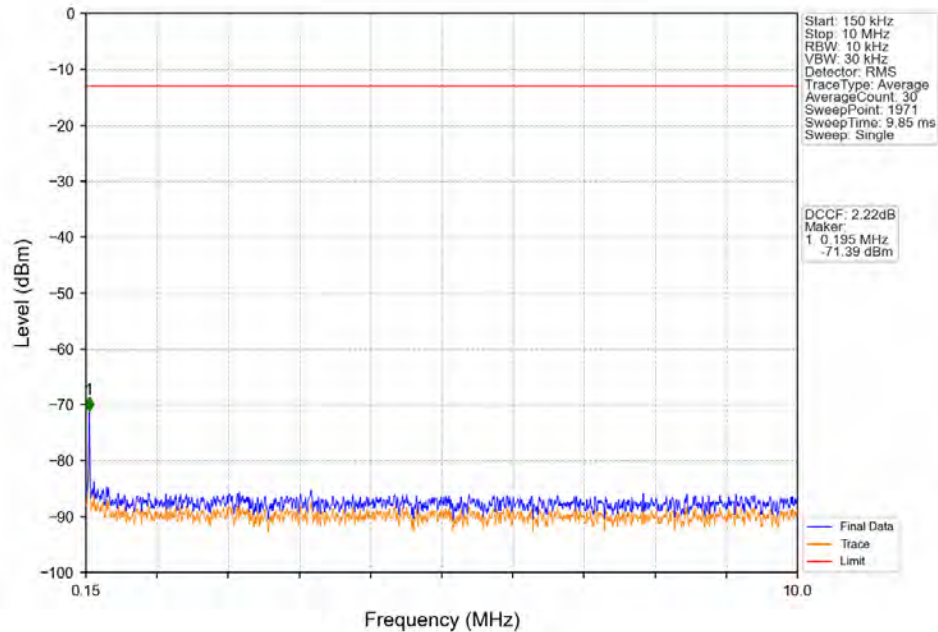
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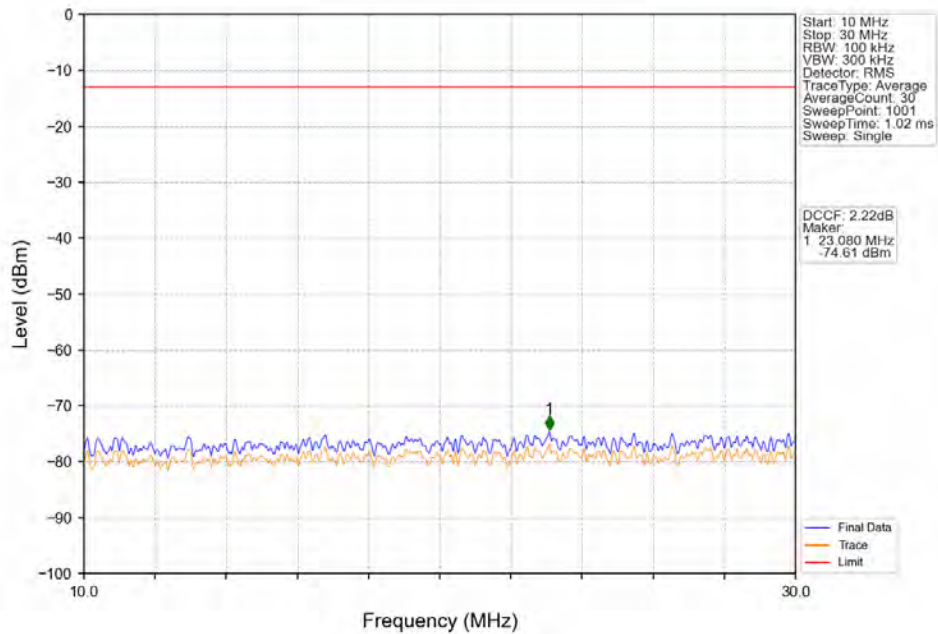
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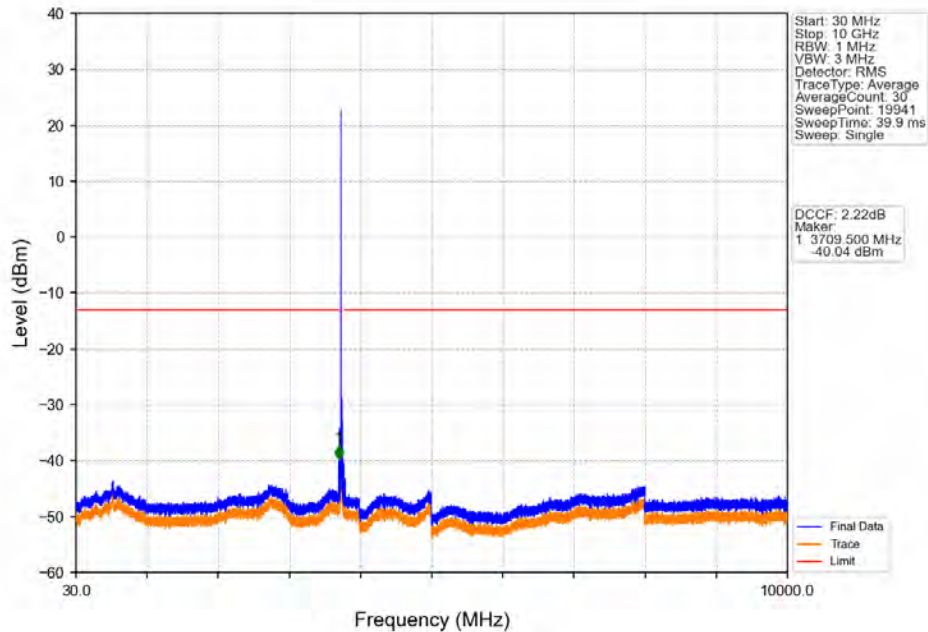
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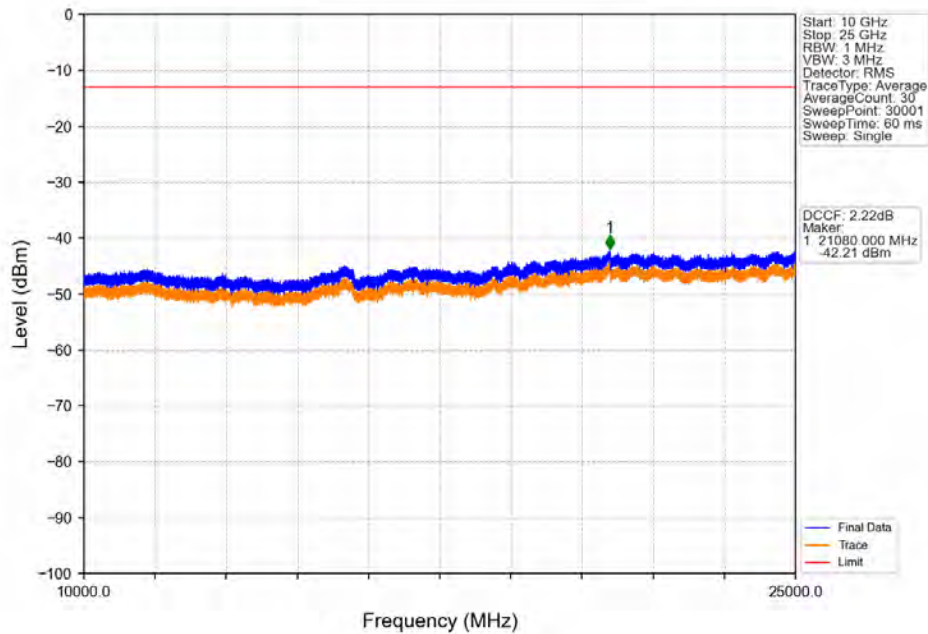
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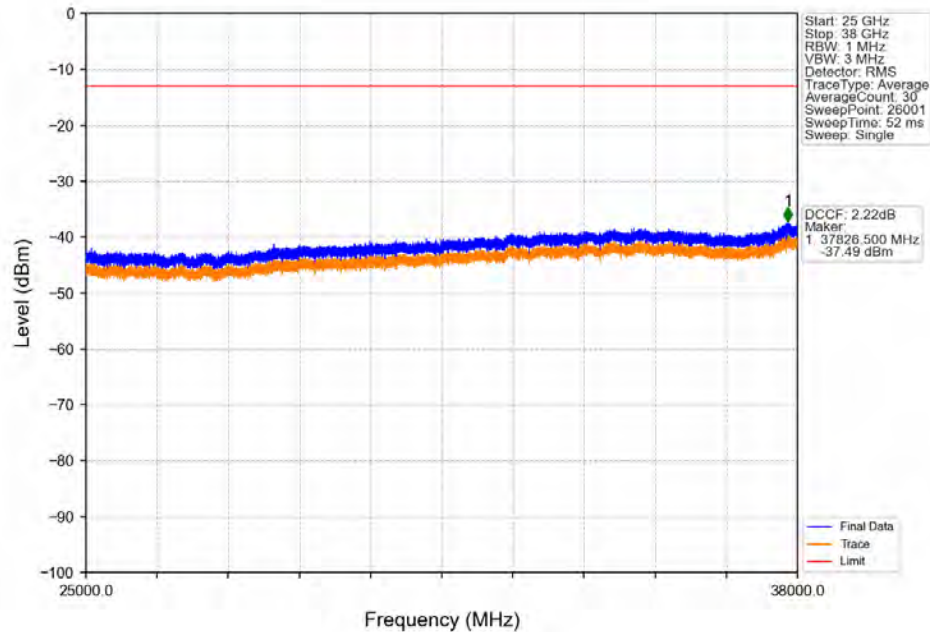
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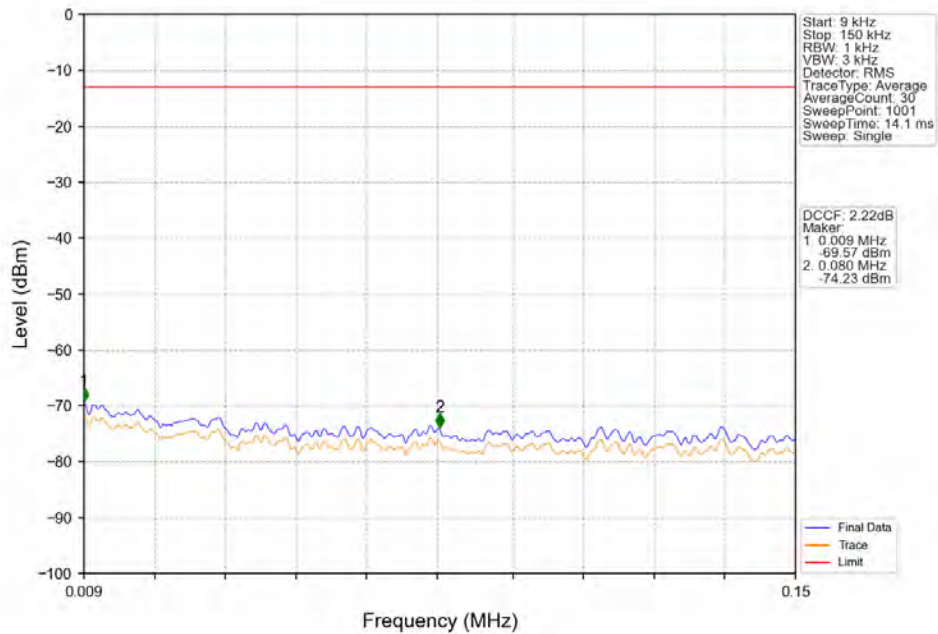
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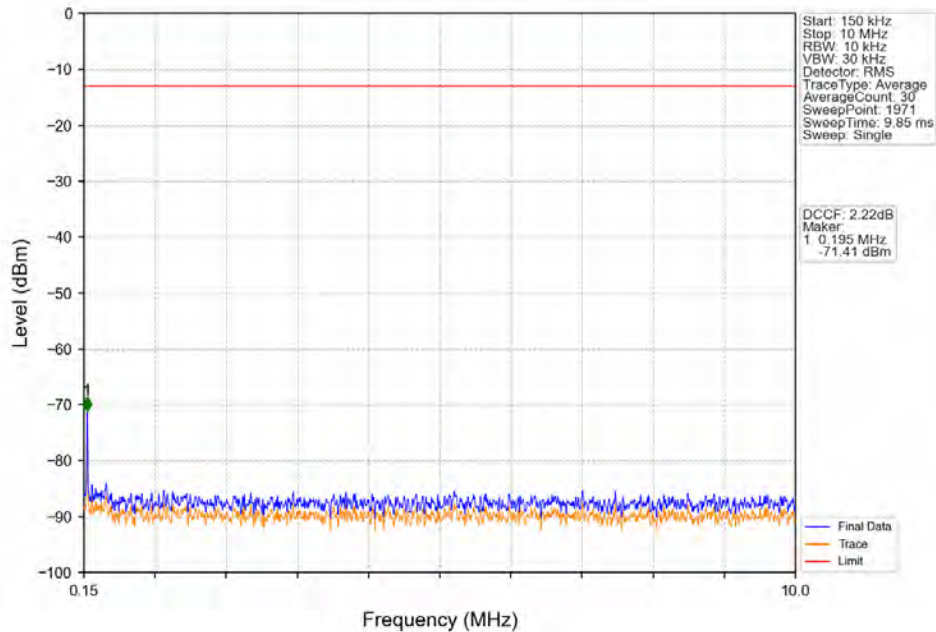
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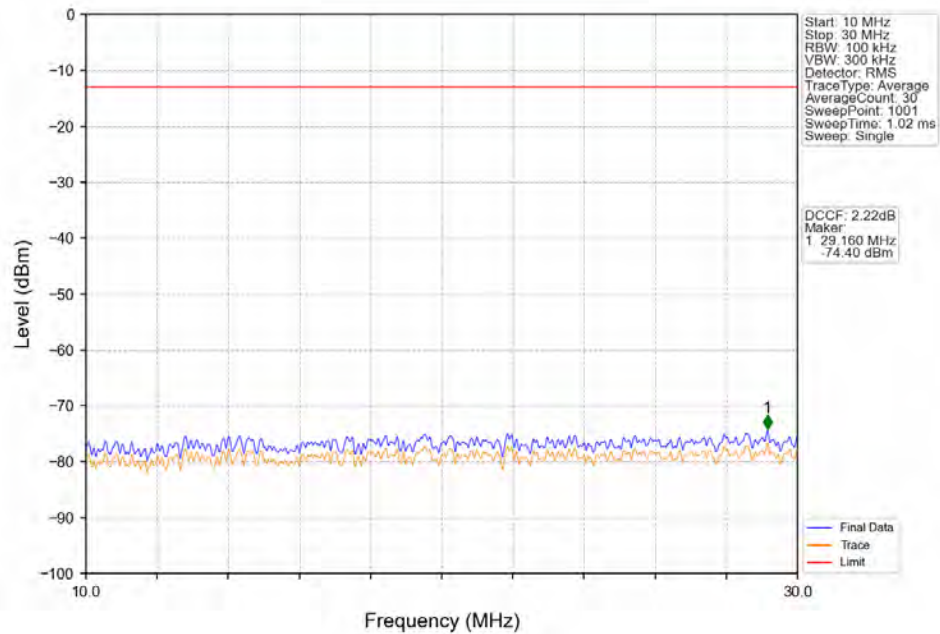
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Band43d_15MHz_QPSK_HCH_3792.5MHz_RB_1_0_NTNV



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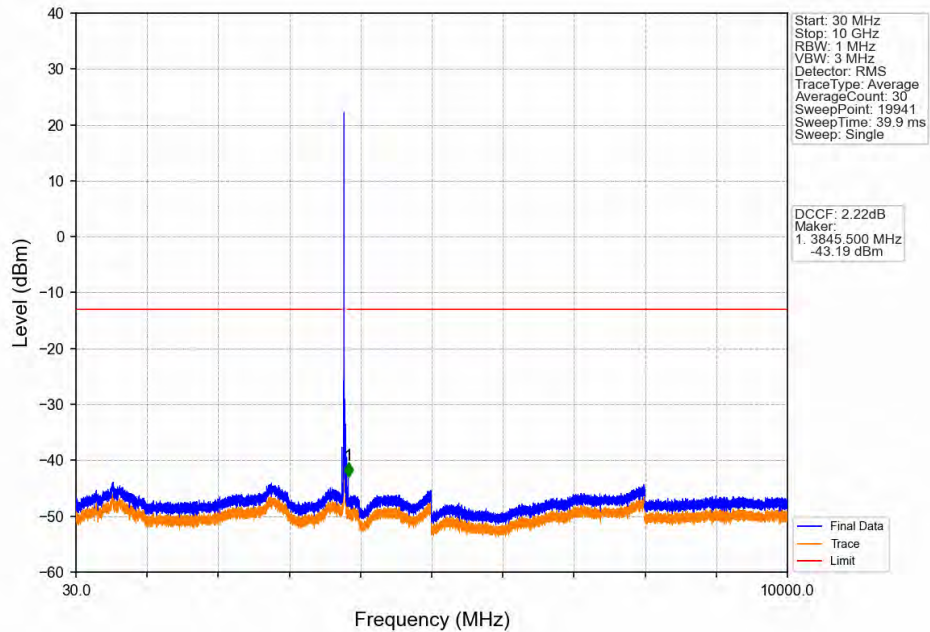
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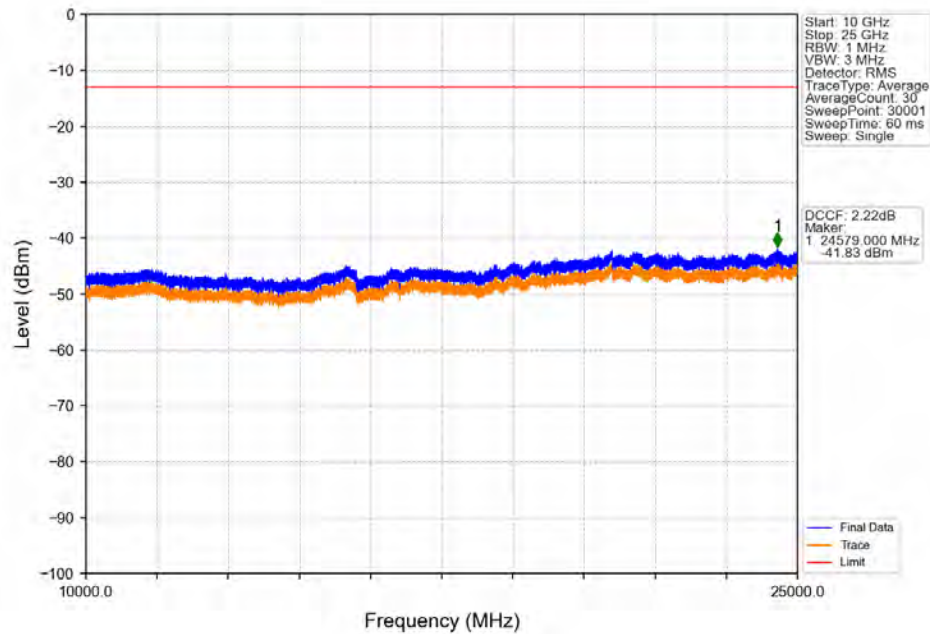
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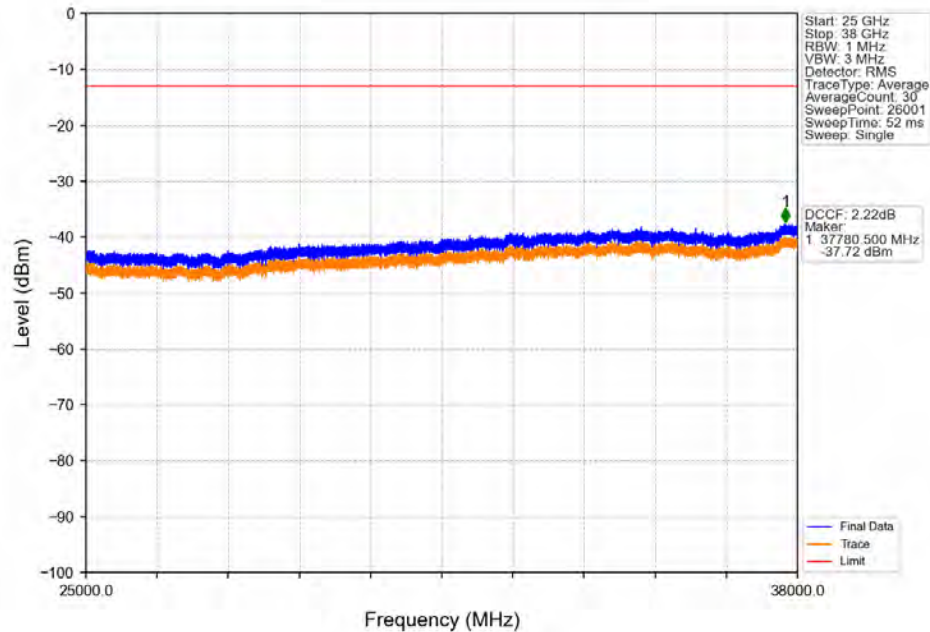
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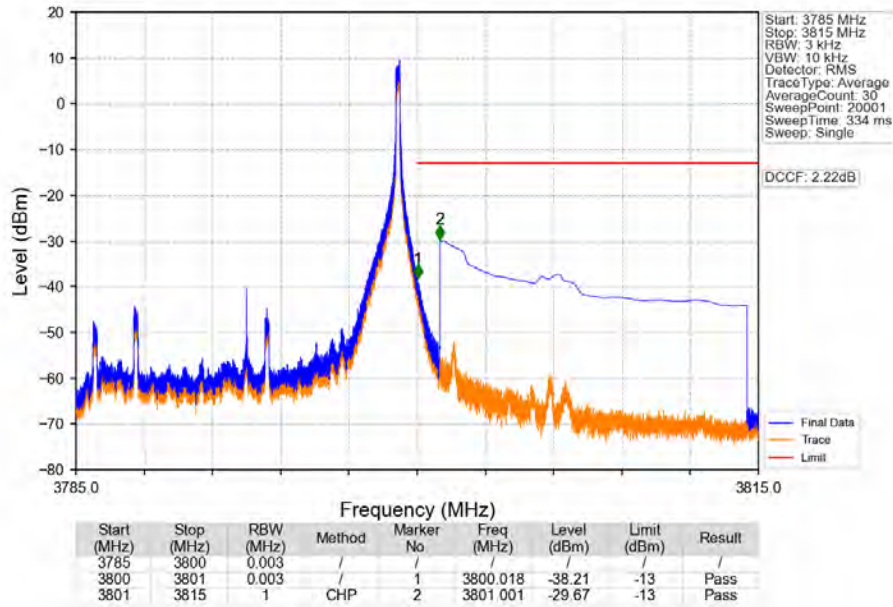
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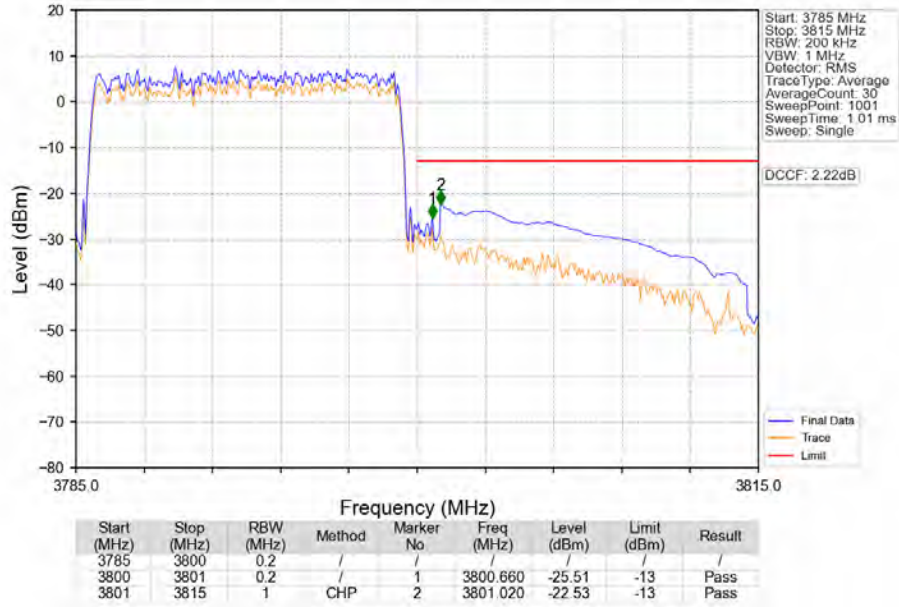
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5.4 B43d_20MHz

5.4.1 Test Result

Band: 43d / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3710	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3750	1	0	Refer To Test Graph		Pass
	3790	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass



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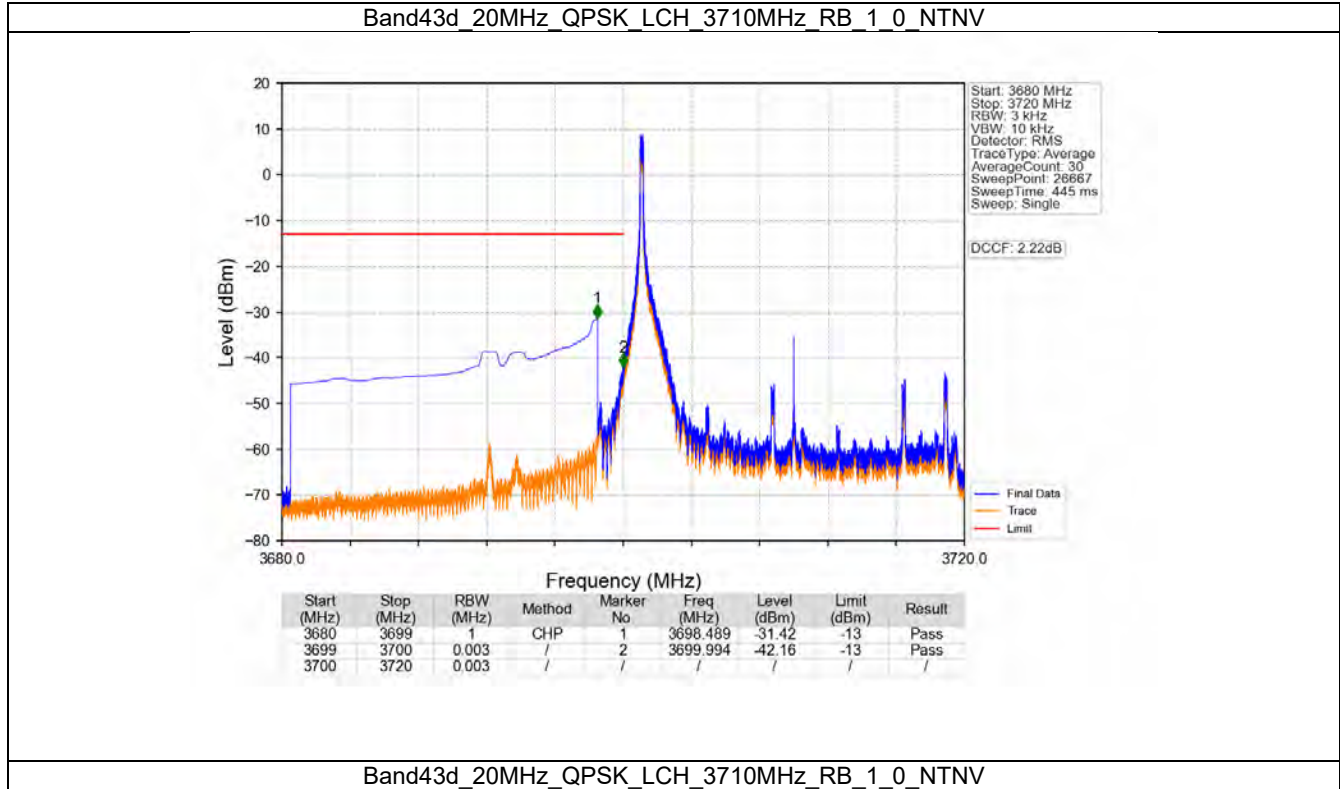
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5.4.2 Test Graph



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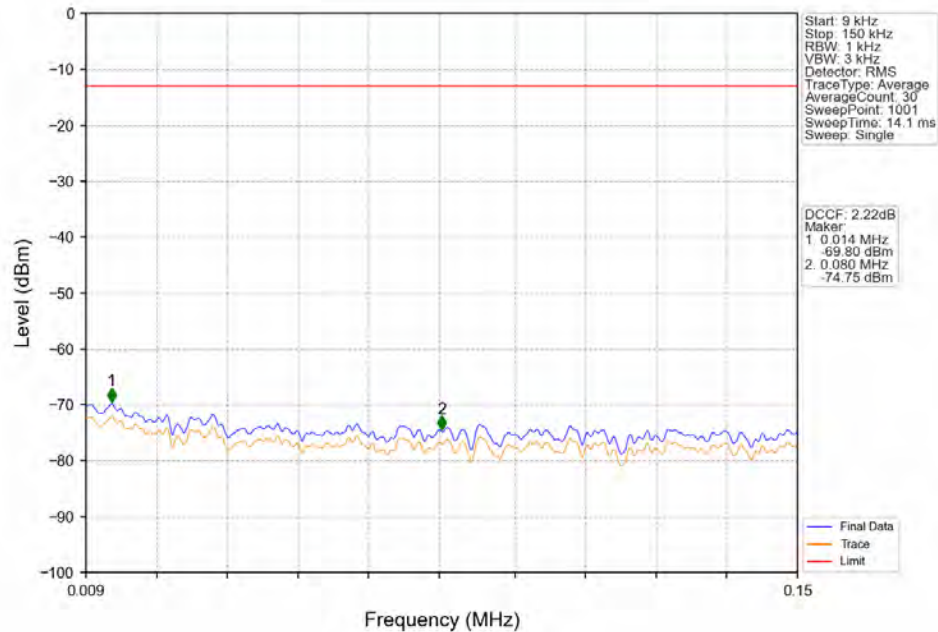
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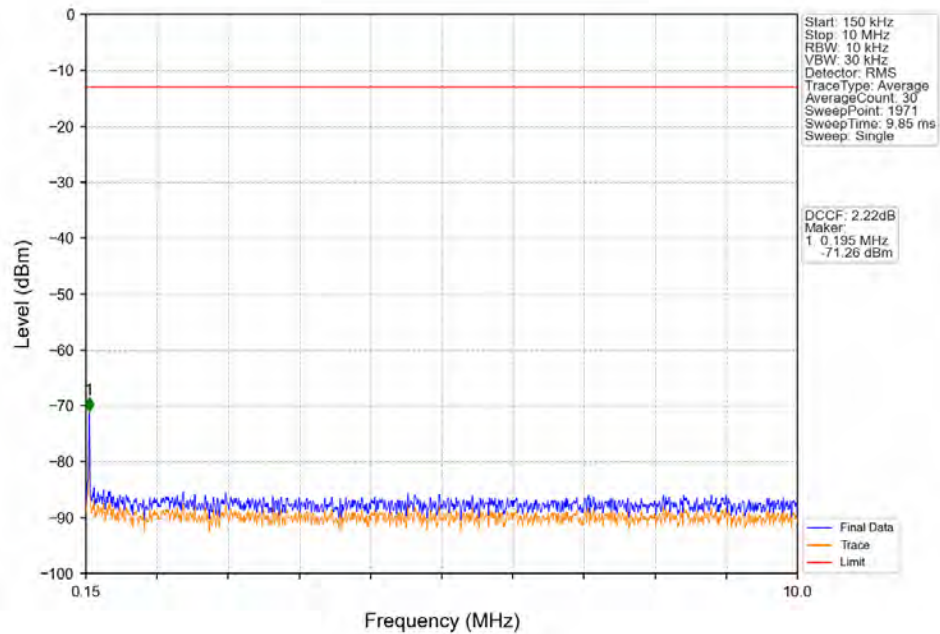
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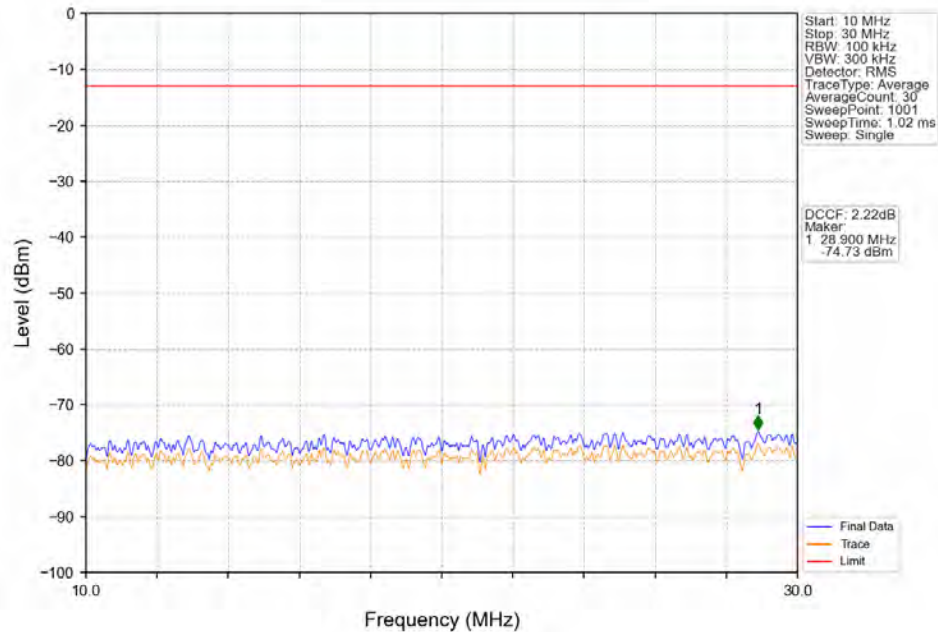
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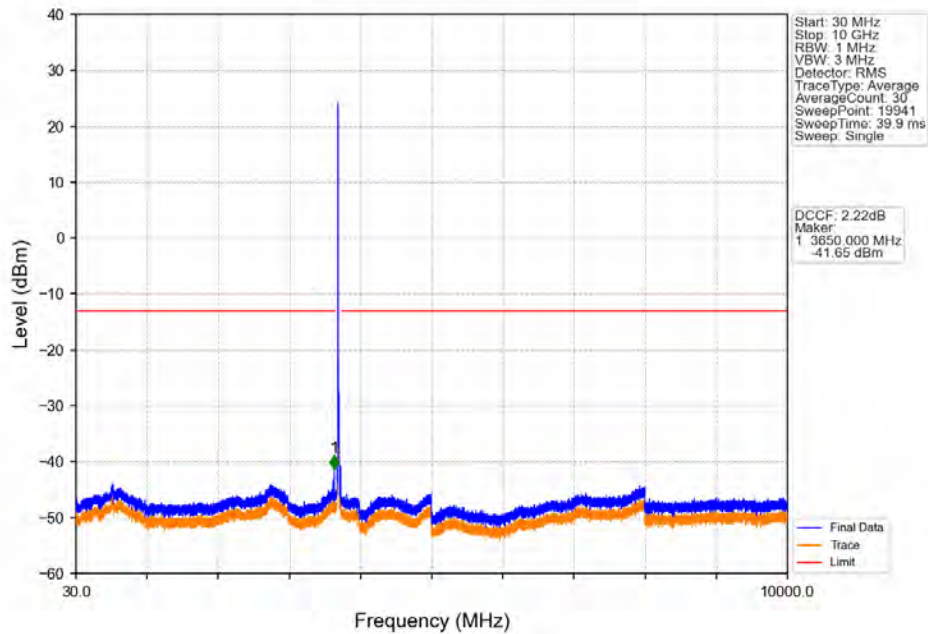
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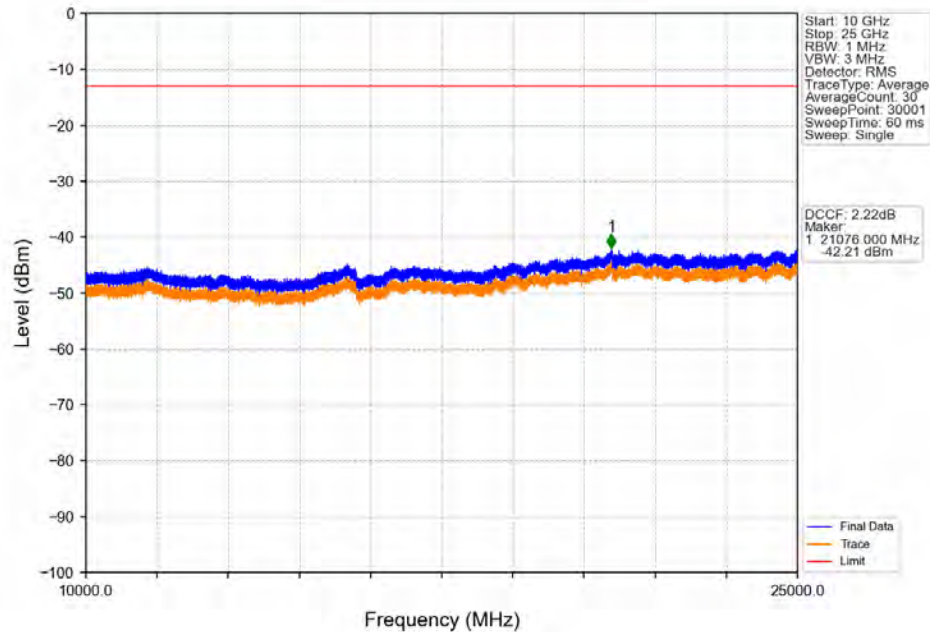
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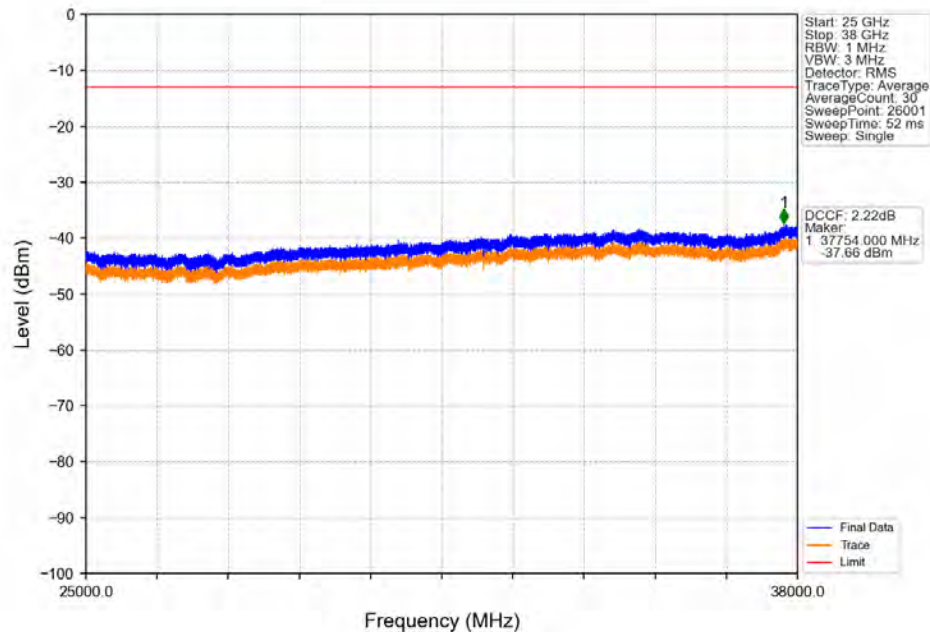
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Band43d_20MHz_QPSK_LCH_3710MHz_RB_100_0_NTNV



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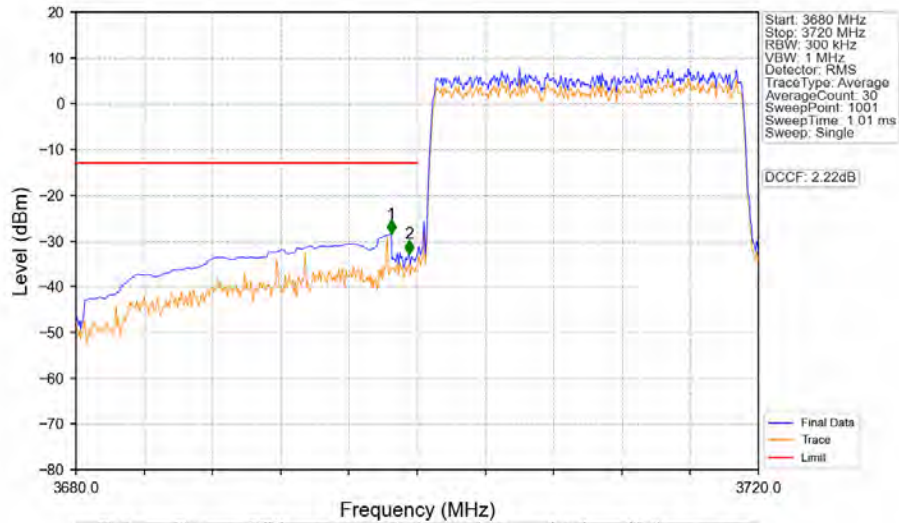
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3680	3699	1	CHP	1	3698.480	-28.50	-13	Pass
3699	3700	0.3	/	2	3699.520	-32.83	-13	Pass
3700	3720	0.3	/	/	/	/	/	/



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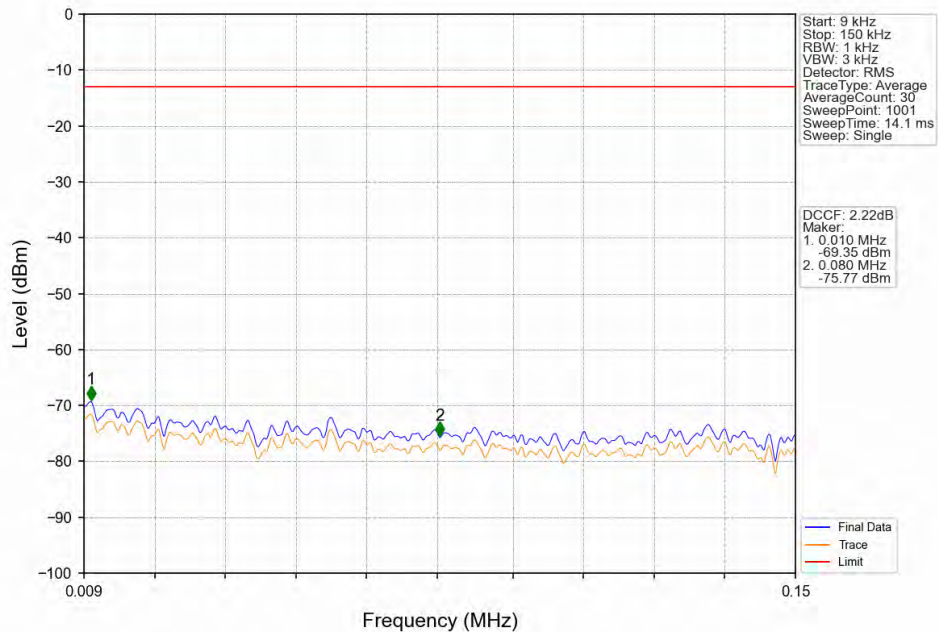
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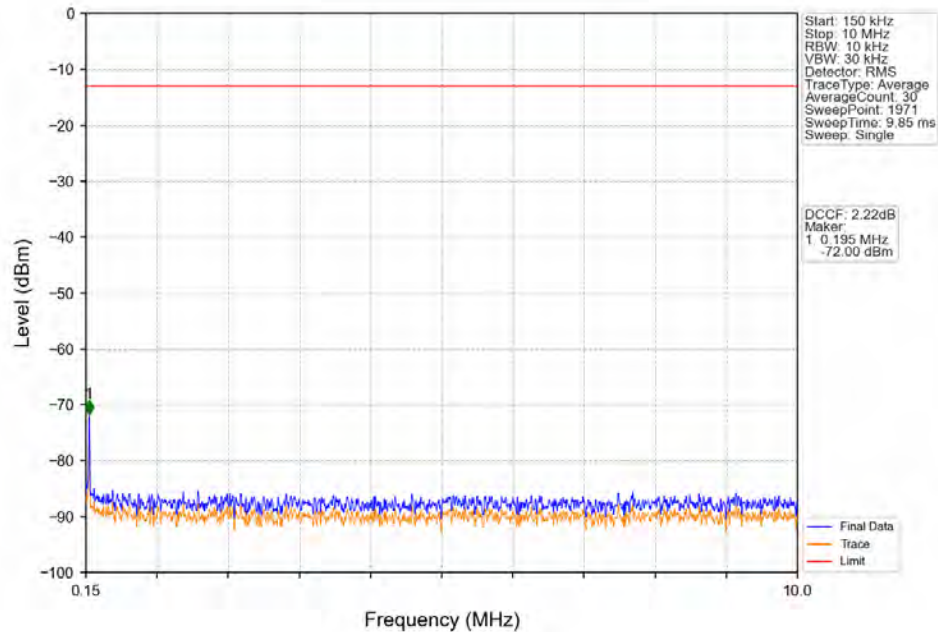
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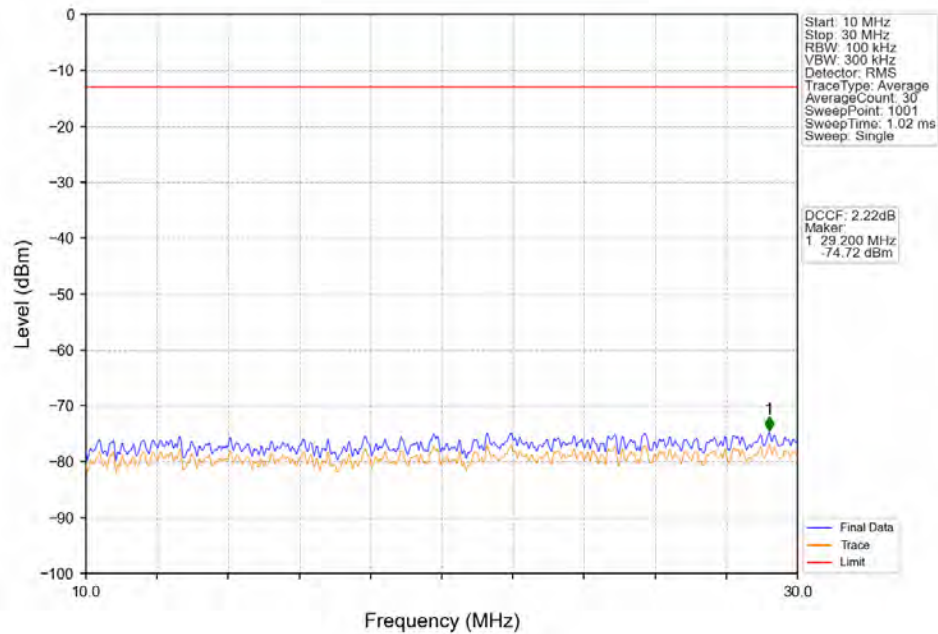
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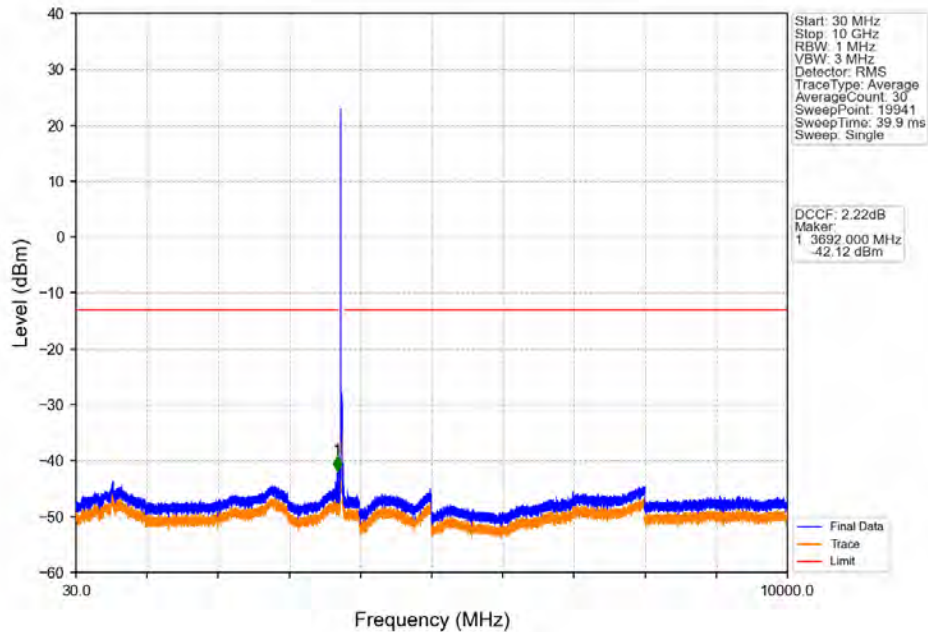
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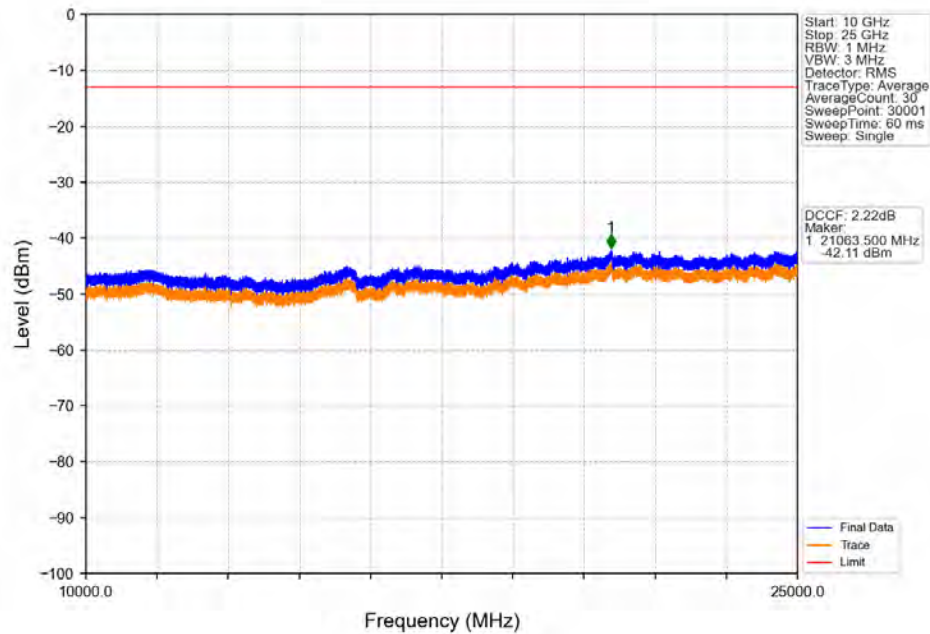
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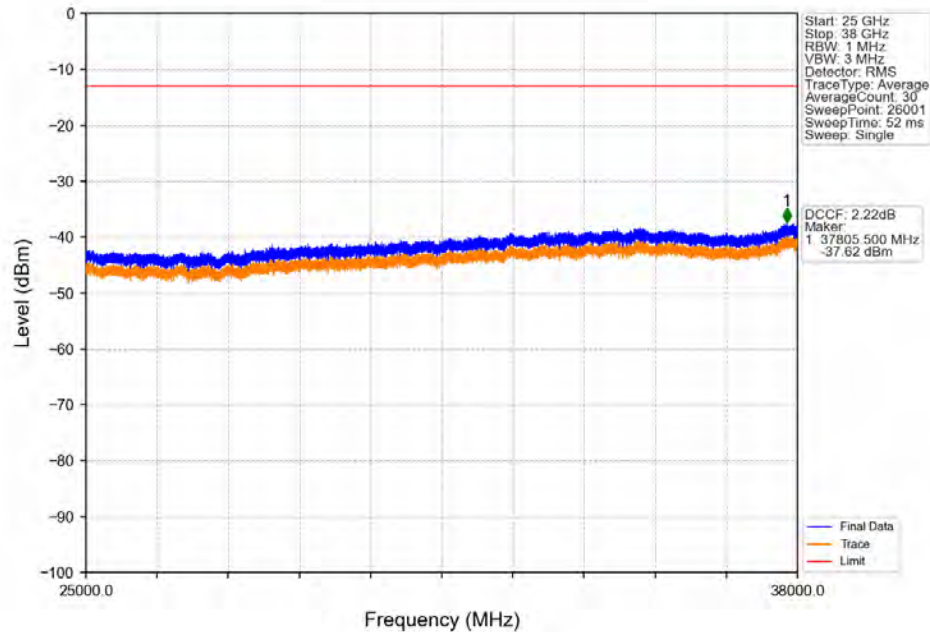
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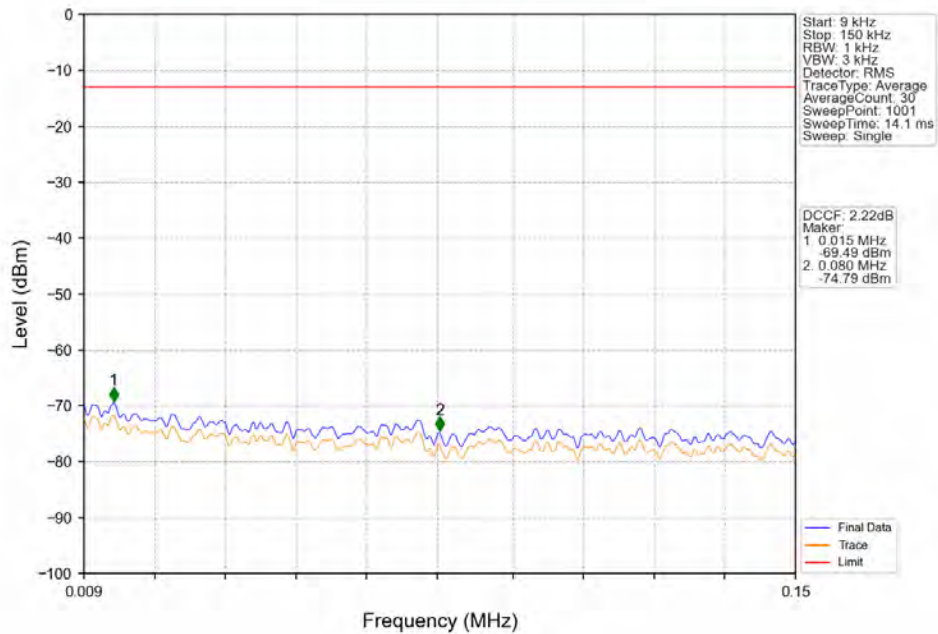
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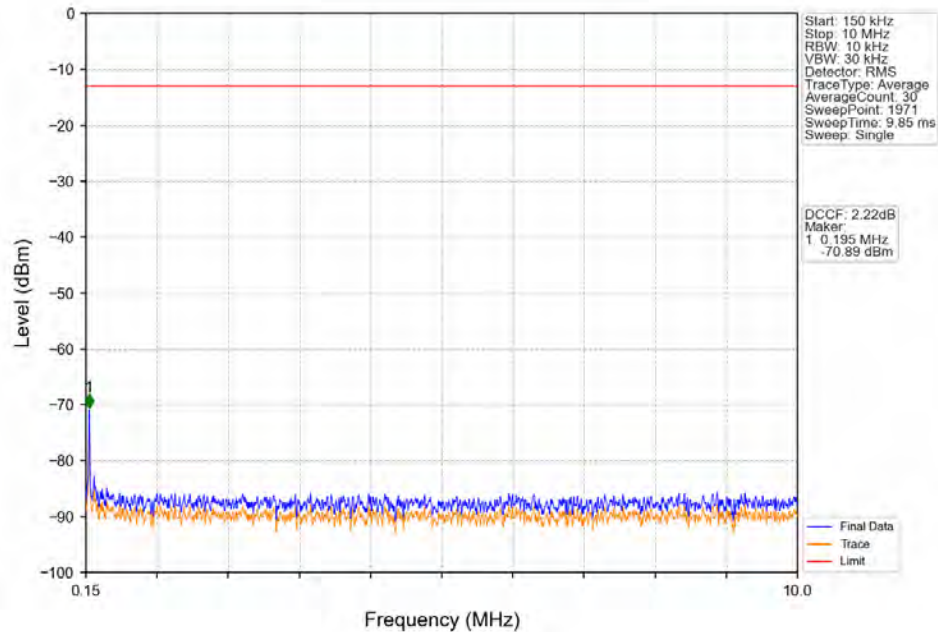
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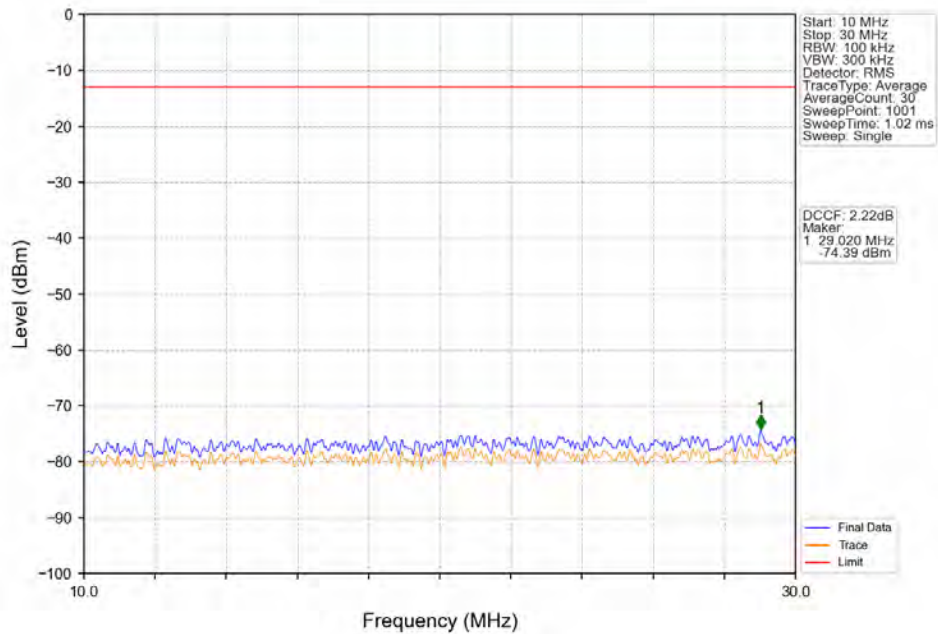
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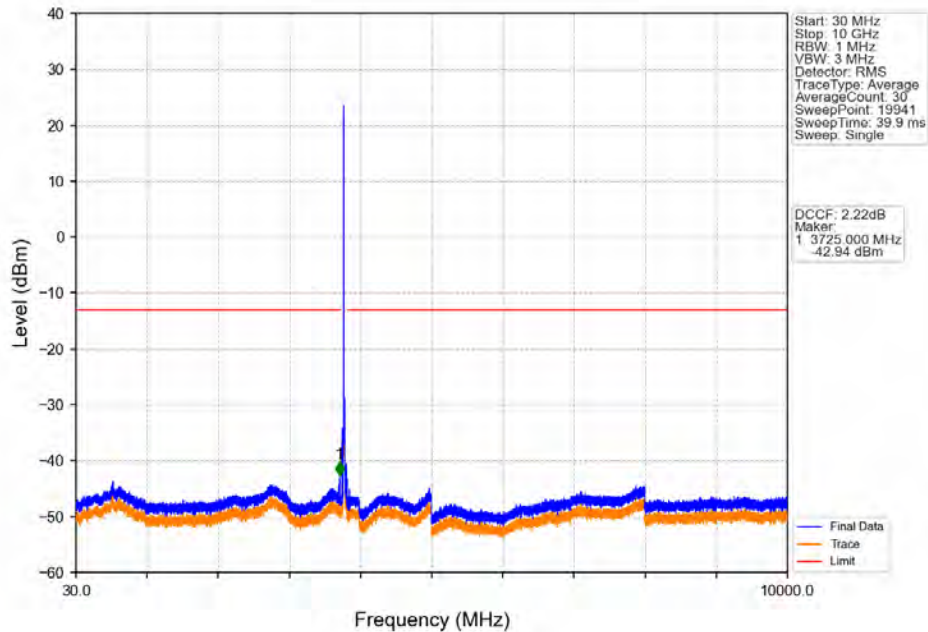
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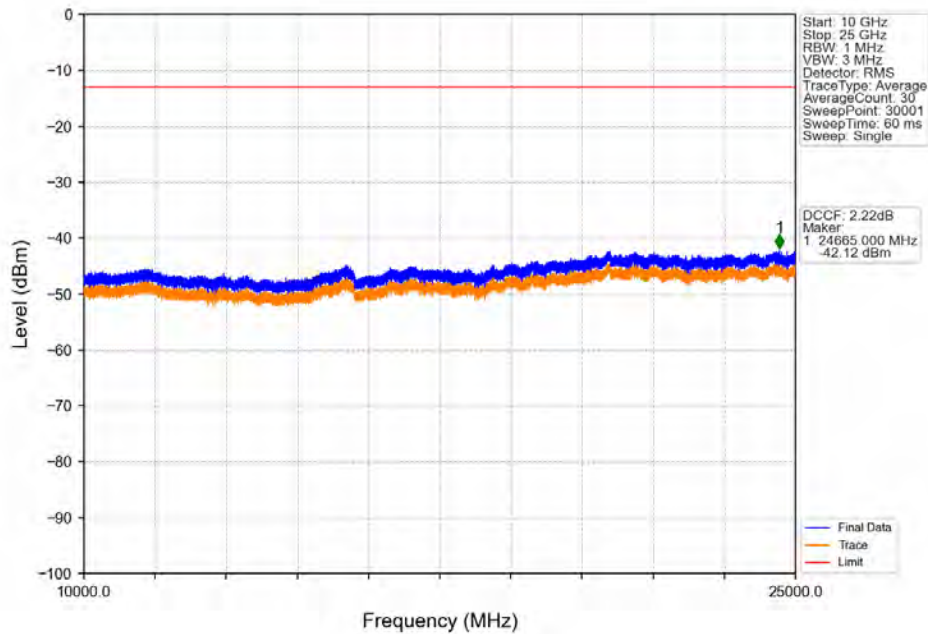
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Band43d_20MHz_QPSK_HCH_3790MHz_RB_1_0_NTNV



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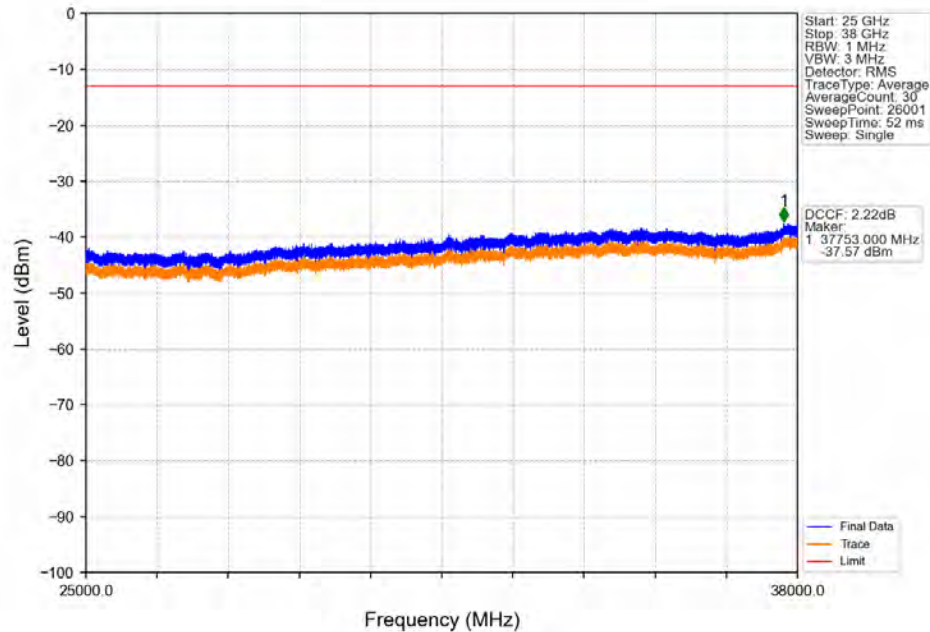
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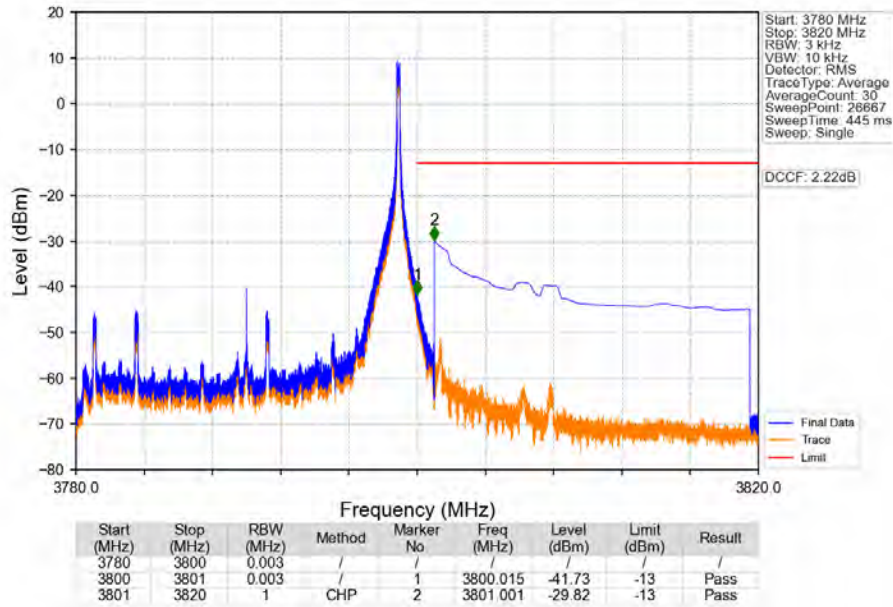
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Band43d_20MHz_QPSK_HCH_3790MHz_RB_1_99_NTNV



Band43d_20MHz_QPSK_HCH_3790MHz_RB_100_0_NTNV



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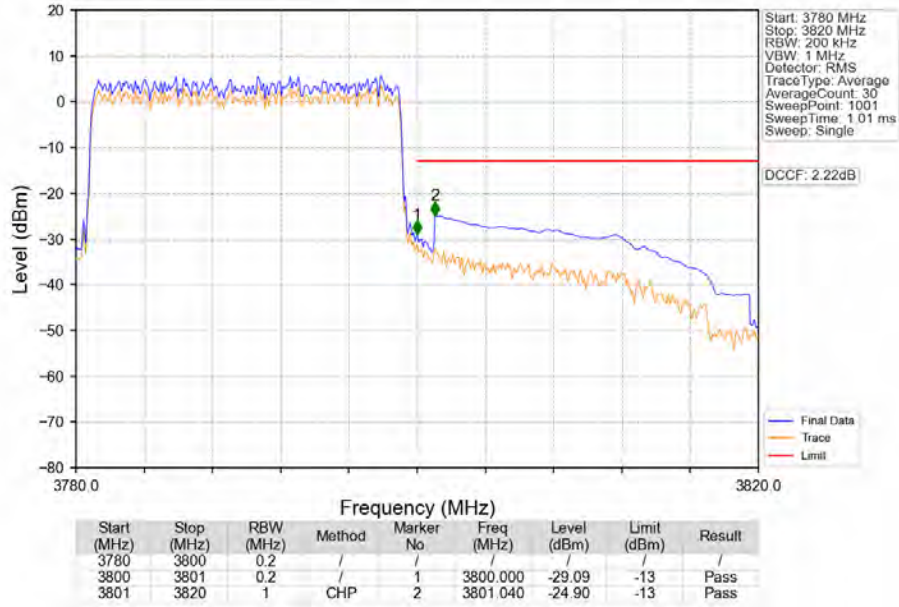
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6. Field Strength of Spurious Radiation

Test Band = LTE_43(3700-3800)
Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1476.3476	28.52	-19.64	25.09	-61.29	-13.00	48.29	Horizontal
2	5789.3289	29.86	-13.17	32.42	-46.15	-13.00	33.15	Horizontal
3	7402.2201	52.81	-38.92	36.70	-44.67	-13.00	31.67	Horizontal
4	11103.1052	54.19	-38.40	40.20	-39.27	-13.00	26.27	Horizontal
5	14218.0359	41.90	-39.39	41.85	-50.90	-13.00	37.90	Horizontal
6	17385.8693	41.99	-38.74	44.33	-47.68	-13.00	34.68	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1814.6315	26.79	-18.87	25.46	-61.88	-13.00	48.88	Vertical
2	5331.6832	25.30	-13.03	32.09	-50.90	-13.00	37.90	Vertical
3	7402.2201	59.99	-38.92	36.70	-37.49	-13.00	24.49	Vertical
4	11103.1052	62.62	-38.40	40.20	-30.84	-13.00	17.84	Vertical
5	14804.5652	48.24	-38.78	41.57	-44.23	-13.00	31.23	Vertical
6	17395.6448	41.01	-38.75	44.45	-48.55	-13.00	35.55	Vertical



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Test Band = LTE_43(3700-3800)
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1453.7954	28.56	-19.65	25.27	-61.08	-13.00	48.08	Horizontal
2	6342.1342	28.55	-12.44	33.84	-45.31	-13.00	32.31	Horizontal
3	7482.1491	46.93	-38.85	36.86	-50.32	-13.00	37.32	Horizontal
4	11223.2862	44.79	-38.32	40.18	-48.61	-13.00	35.61	Horizontal
5	14695.8848	41.82	-38.63	41.88	-50.19	-13.00	37.19	Horizontal
6	17392.7696	40.97	-38.74	44.41	-48.62	-13.00	35.62	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1455.4455	28.61	-19.66	25.26	-61.05	-13.00	48.05	Vertical
2	6256.8757	29.59	-12.57	33.24	-45.00	-13.00	32.00	Vertical
3	7482.1491	54.00	-38.85	36.86	-43.25	-13.00	30.25	Vertical
4	11223.2862	55.50	-38.32	40.18	-37.90	-13.00	24.90	Vertical
5	14964.4232	43.57	-38.92	40.81	-49.80	-13.00	36.80	Vertical
6	17291.5646	41.91	-38.71	43.23	-48.83	-13.00	35.83	Vertical



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Test Band = LTE_43(3700-3800)
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1348.1848	28.81	-20.07	25.08	-61.44	-13.00	48.44	Horizontal
2	5979.0979	28.68	-12.62	32.96	-46.24	-13.00	33.24	Horizontal
3	7562.0781	46.48	-39.16	36.50	-51.44	-13.00	38.44	Horizontal
4	10709.7855	43.24	-36.48	39.51	-48.99	-13.00	35.99	Horizontal
5	14709.6855	41.71	-38.62	41.87	-50.30	-13.00	37.30	Horizontal
6	17392.1946	40.99	-38.74	44.41	-48.60	-13.00	35.60	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1667.2167	28.49	-19.07	25.36	-60.48	-13.00	47.48	Vertical
2	5831.1331	29.15	-12.88	32.52	-46.47	-13.00	33.47	Vertical
3	7562.0781	53.75	-39.16	36.50	-44.17	-13.00	31.17	Vertical
4	11343.4672	52.20	-38.33	40.19	-41.20	-13.00	28.20	Vertical
5	15124.2812	42.71	-37.47	40.15	-49.87	-13.00	36.87	Vertical
6	17401.9701	40.91	-38.76	44.51	-48.60	-13.00	35.60	Vertical

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

2) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---



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