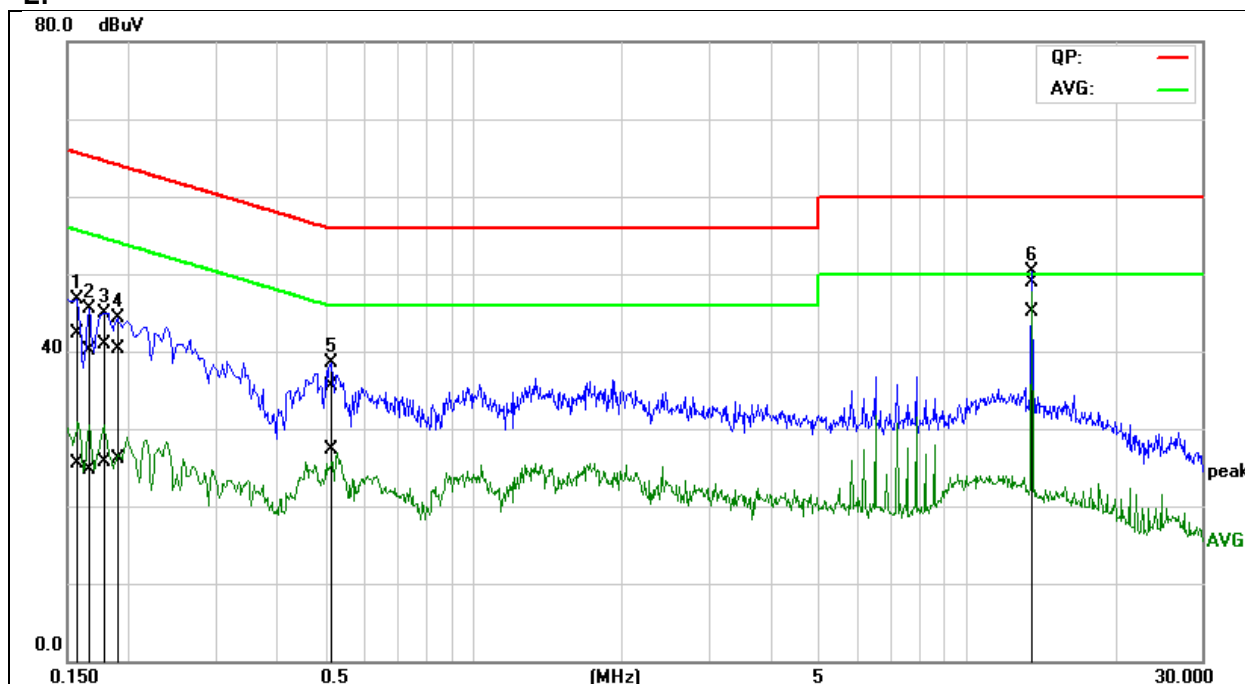


Appendix B for KSCR220500070302

1. Conducted Emissions at Mains Terminals (150kHz-30MHz)

L:



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1568	22.90	6.09	19.50	42.40	25.59	65.63	55.63	-23.23	-30.04	Pass
2	0.1645	20.61	5.26	19.50	40.11	24.76	65.23	55.23	-25.12	-30.47	Pass
3	0.1774	21.32	6.14	19.50	40.82	25.64	64.60	54.61	-23.78	-28.97	Pass
4	0.1896	20.71	6.58	19.50	40.21	26.08	64.05	54.05	-23.84	-27.97	Pass
5	0.5101	16.04	7.71	19.56	35.60	27.27	56.00	46.00	-20.40	-18.73	Pass
6*	13.5590	28.81	24.98	20.16	48.97	45.14	60.00	50.00	-11.03	-4.86	Pass



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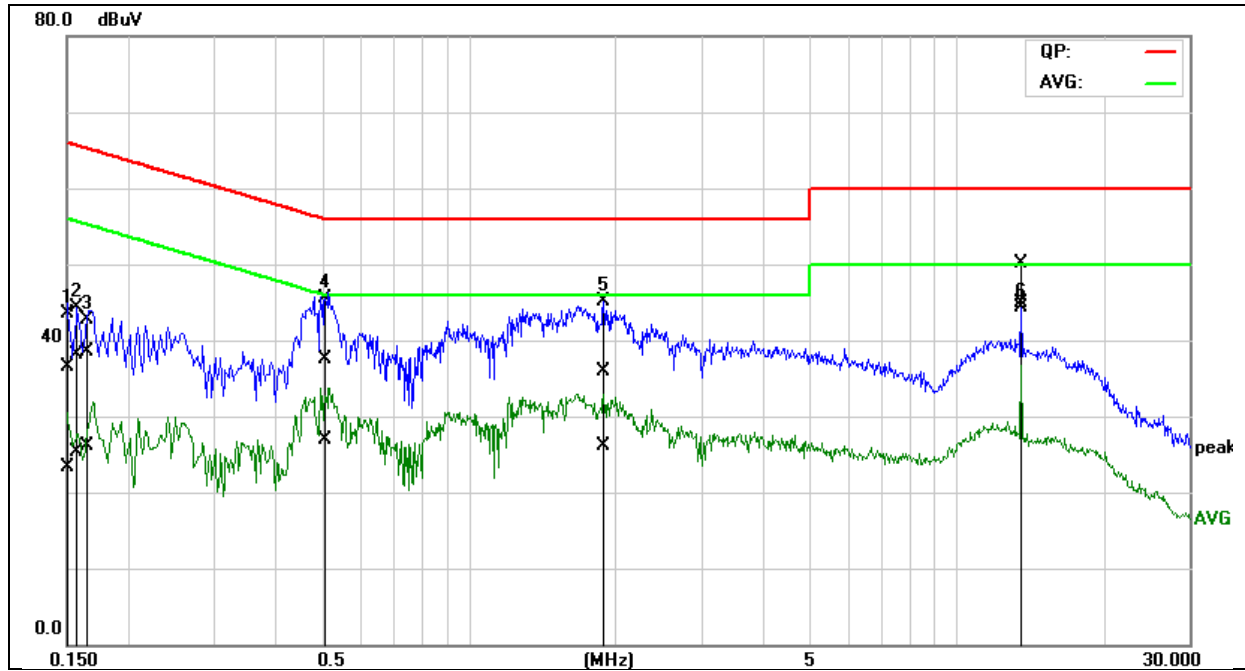
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N:



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1521	17.07	3.81	19.48	36.55	23.29	65.88	55.88	-29.33	-32.59	Pass
2	0.1587	18.63	5.80	19.48	38.11	25.28	65.53	55.53	-27.42	-30.25	Pass
3	0.1628	19.12	6.56	19.48	38.60	26.04	65.31	55.32	-26.71	-29.28	Pass
4	0.5070	17.87	7.38	19.56	37.43	26.94	56.00	46.00	-18.57	-19.06	Pass
5	1.9070	16.24	6.43	19.64	35.88	26.07	56.00	46.00	-20.12	-19.93	Pass
6*	13.5603	29.96	24.68	20.16	50.12	44.84	60.00	50.00	-9.88	-5.16	Pass



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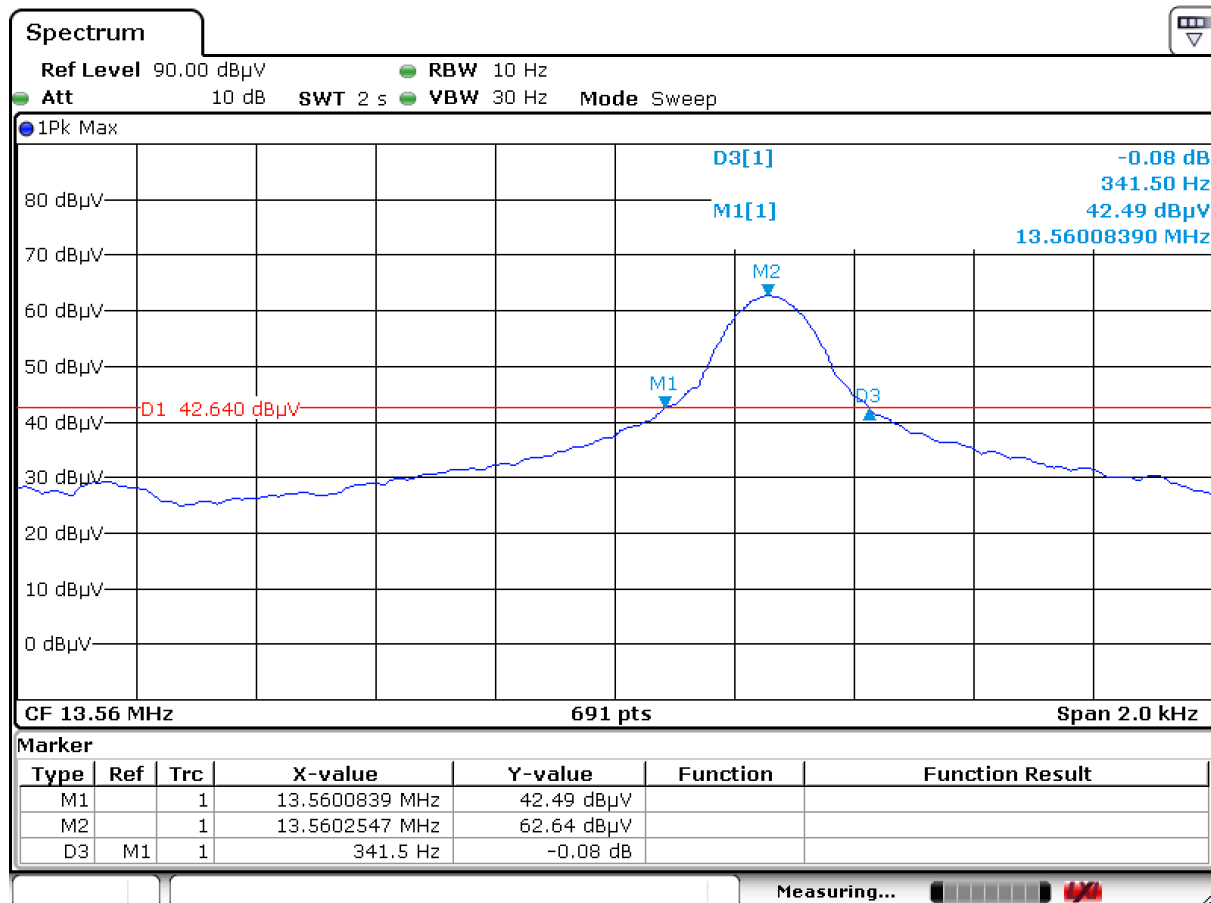
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2. 20dB Bandwidth

20dB bandwidth (kHz)	F _L (MHz)	F _H (MHz)	Limit(MHz)	Result
0.3415	13.5601	13.5604	13.110 – 14.010	Pass

Test plot as follows:



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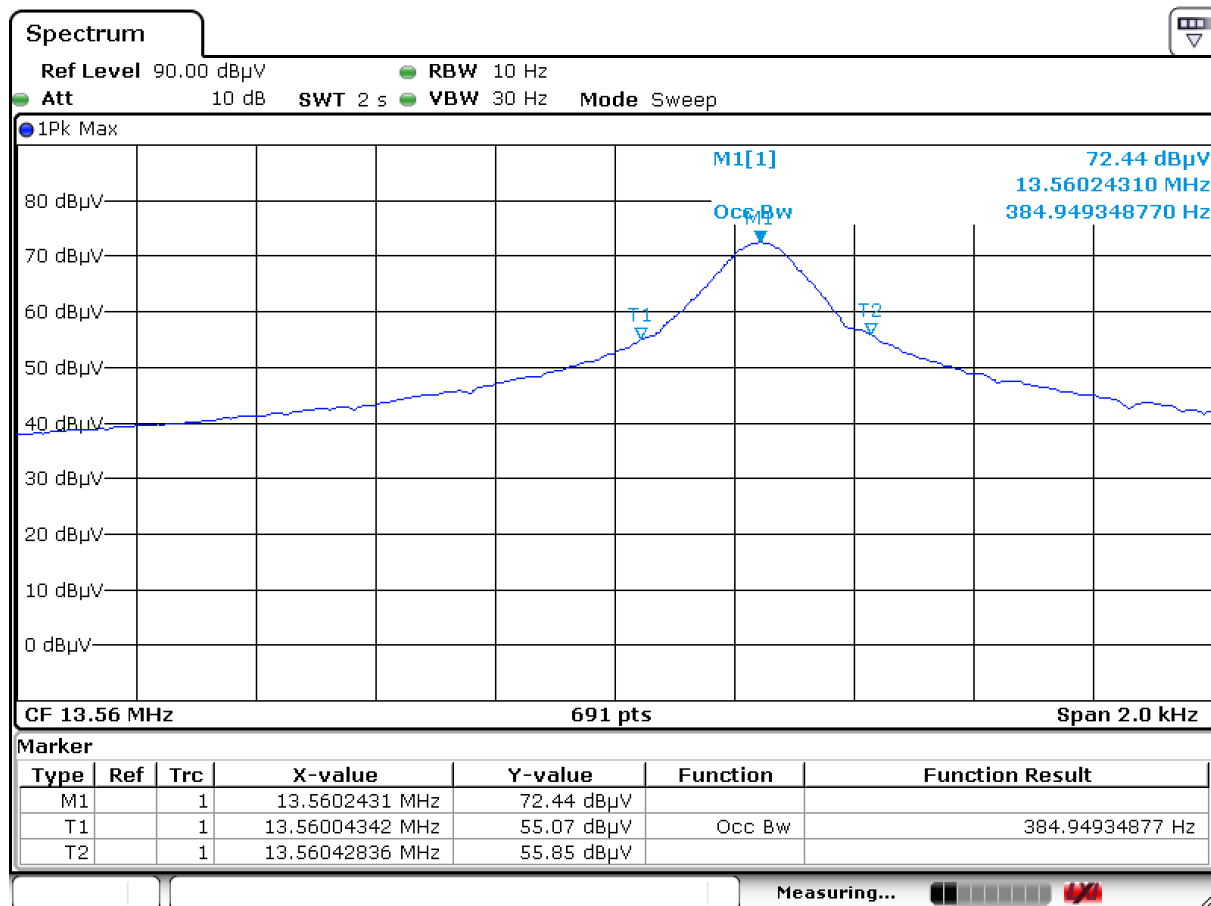
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3. 99% Bandwidth

99% bandwidth (kHz)	F _L (MHz)	F _H (MHz)	Limit(MHz)	Result
0.3849	13.5600	13.5604	13.110 – 14.010	Pass

Test plot as follows:



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4. Frequency tolerance

Nominal Operation Frequency: 13.56MHz

Test Conditions		Test Result (MHz)	Deviation (kHz)	Limit (kHz)	Result
Temp (°C)	Volt (V DC)				
T _{nom} (-20)	V _{nom} (12)	13.56021	0.21	±0.01% (1.3560kHz)	Pass
T _{nom} (-10)	V _{nom} (12)	13.56018	0.18		Pass
T _{nom} (0)	V _{nom} (12)	13.56020	0.20		Pass
T _{nom} (10)	V _{nom} (12)	13.56008	0.08		Pass
T _{nom} (20)	V _{nom} (12)	13.56013	0.13		Pass
T _{nom} (30)	V _{nom} (12)	13.56025	0.25		Pass
T _{nom} (40)	V _{nom} (12)	13.56006	0.06		Pass
T _{nom} (50)	V _{nom} (12)	13.56011	0.11		Pass
T _{nom} (20)	V _{min} (10.2)	13.56002	0.02		Pass
	V _{max} (13.8)	13.56018	0.18		Pass

Note: Deviation (kHz) = (Test Result-13.56MHz)*1000



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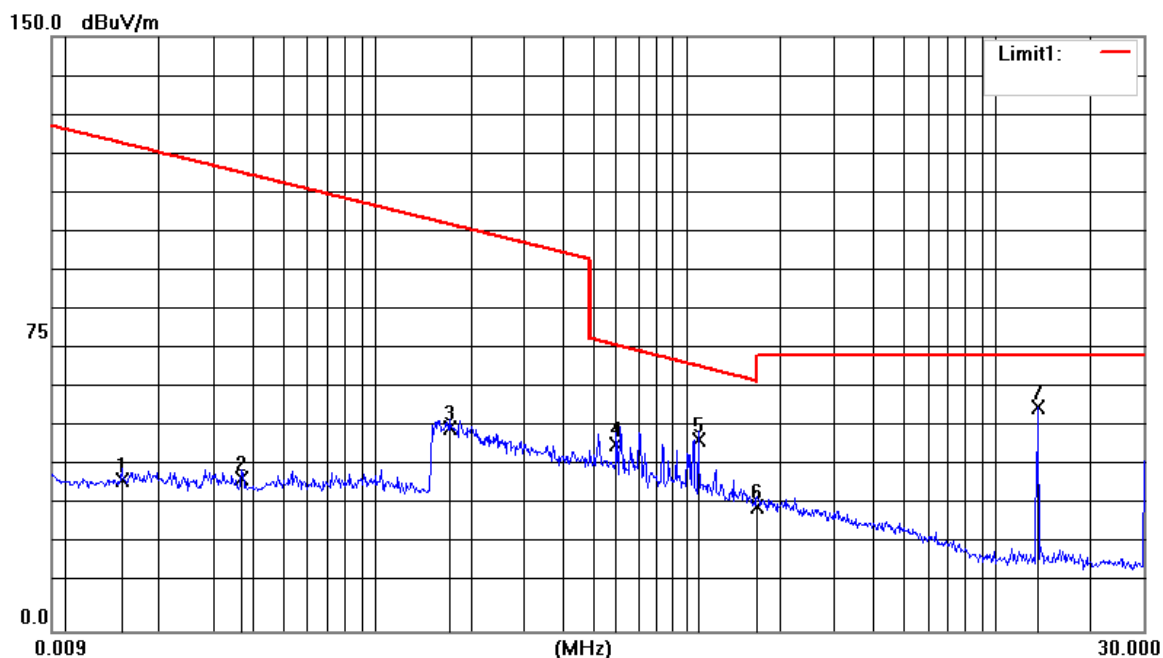
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5. Radiated Emissions(9kHz-30MHz)

Horizontal



Item	Freq.	Read Level	Correct Factor	Result Level@ 3m	Result Level@S PEC	Limit Line@SP EC	Over Limit	Detector
(Mark)	(MHz)	(dBμV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0151	22.25	15.94	38.19	-41.81	44.02	-85.83	QP
2	0.0367	22.76	15.70	38.46	-41.54	36.31	-77.85	QP
3	0.1720	36.88	14.45	51.33	-28.67	22.89	-51.56	QP
4	0.5947	32.77	14.41	47.18	7.18	32.12	-24.94	QP
5	1.0940	33.87	14.35	48.22	8.22	26.82	-18.60	QP
6	1.6891	17.18	14.29	31.47	-8.53	29.50	-38.03	QP
7	13.5602	43.27	13.09	56.36	16.36	29.50	-13.14	Peak



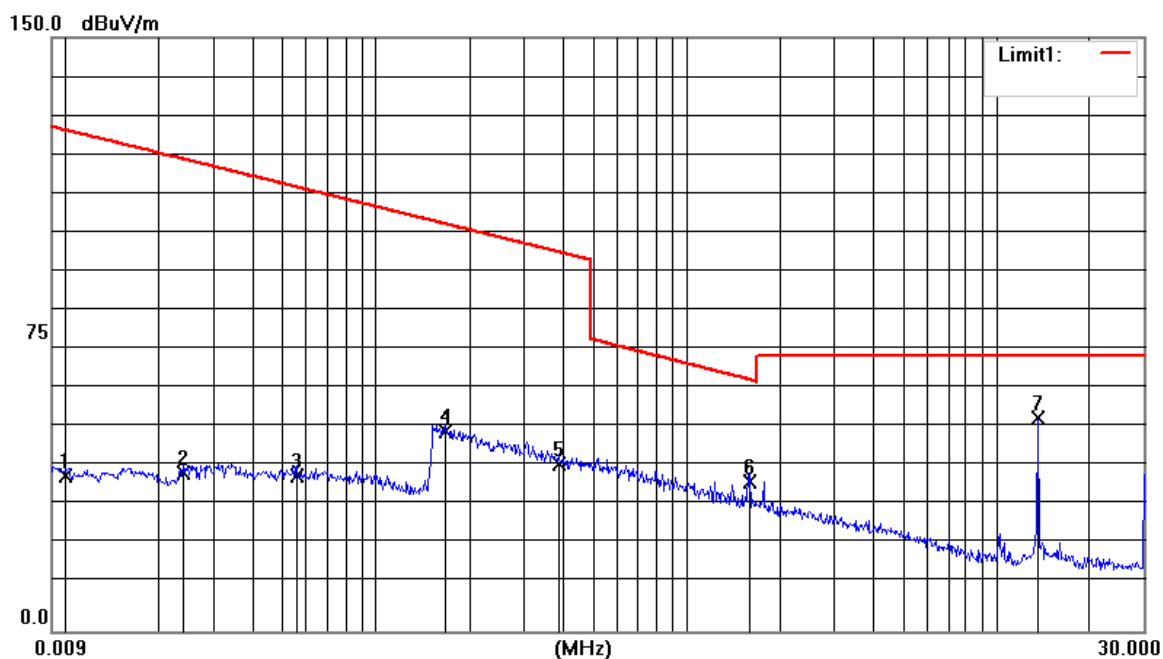
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Vertical



Item	Freq.	Read Level	Correct Factor	Result Level@3 m	Result Level@SP EC	Limit Line@SP EC	Over Limit	Detector
(Mark)	(MHz)	(dBμV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0100	23.11	16.00	39.11	-40.89	47.60	-88.49	QP
2	0.0240	24.17	15.84	40.01	-39.99	40.00	-79.99	QP
3	0.0551	23.65	15.50	39.15	-40.85	32.78	-73.63	QP
4	0.1658	35.88	14.45	50.33	-29.67	23.21	-52.88	QP
5	0.3870	27.75	14.43	42.18	-37.82	15.85	-53.67	QP
6	1.5932	23.26	14.30	37.56	-2.44	23.56	-26.00	QP
7	13.5602	40.87	13.09	53.96	13.96	29.50	-15.54	Peak



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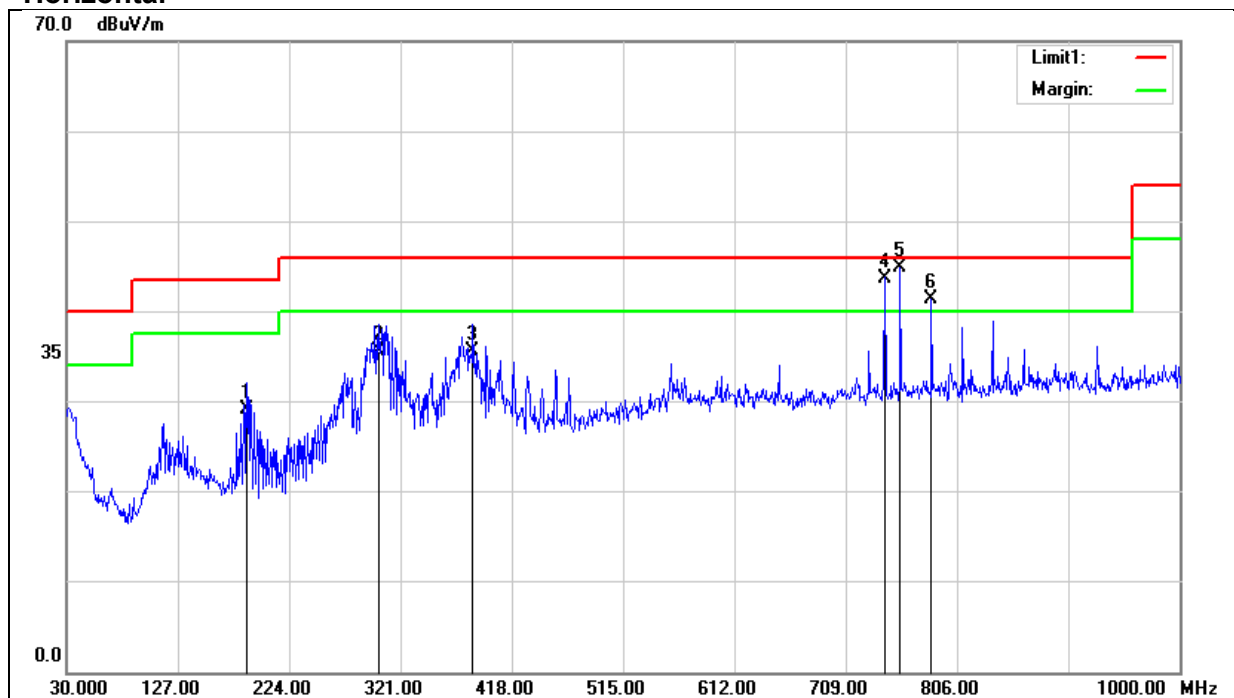
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6. Below 1GHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	187.1400	12.70	16.37	29.07	43.50	-14.43	QP
2	301.6000	14.86	20.76	35.62	46.00	-10.38	QP
3	384.0500	12.95	22.60	35.55	46.00	-10.45	QP
4	742.9500	41.37	2.38	43.75	46.00	-2.25	QP
5	756.5300	42.53	2.35	44.88	46.00	-1.12	QP
6	783.6900	39.04	2.29	41.33	46.00	-4.67	QP



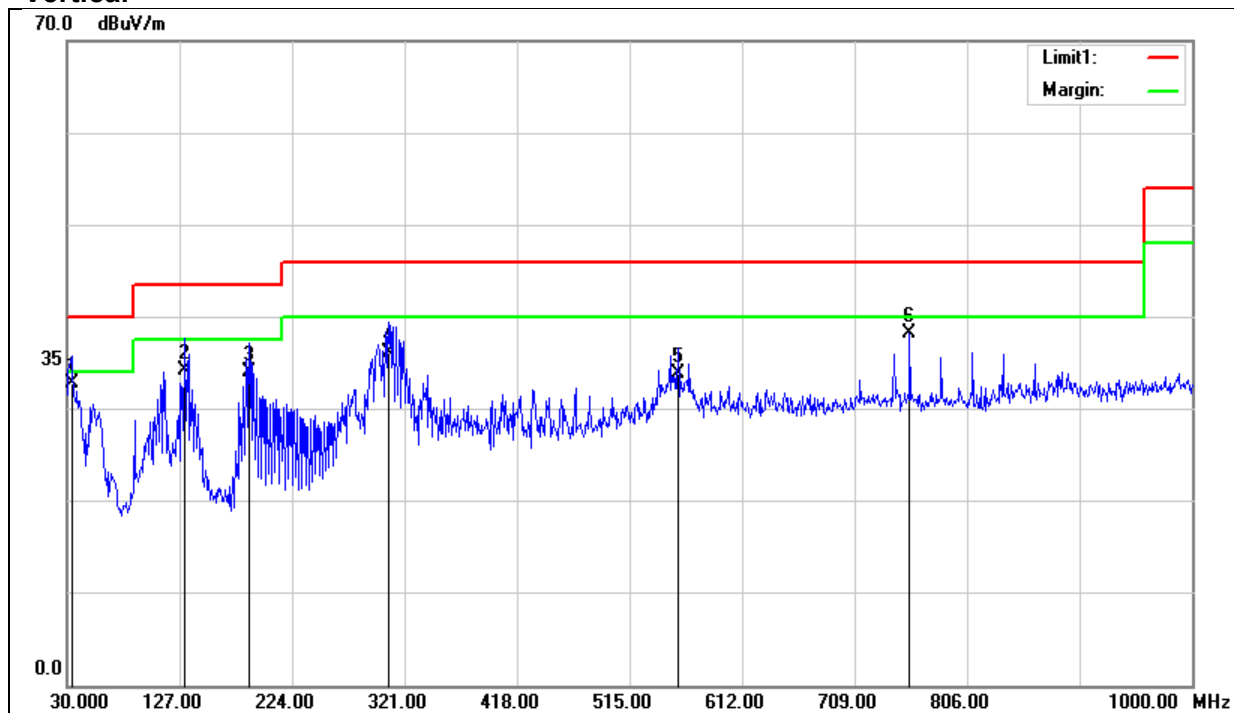
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Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	33.8800	7.88	24.92	32.80	40.00	-7.20	QP
2	131.8500	14.91	19.30	34.21	43.50	-9.29	QP
3	187.1400	17.66	16.37	34.03	43.50	-9.47	QP
4	307.4200	15.37	20.85	36.22	46.00	-9.78	QP
5	556.7100	6.56	27.24	33.80	46.00	-12.20	QP
6	756.5300	35.93	2.35	38.28	46.00	-7.72	QP



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