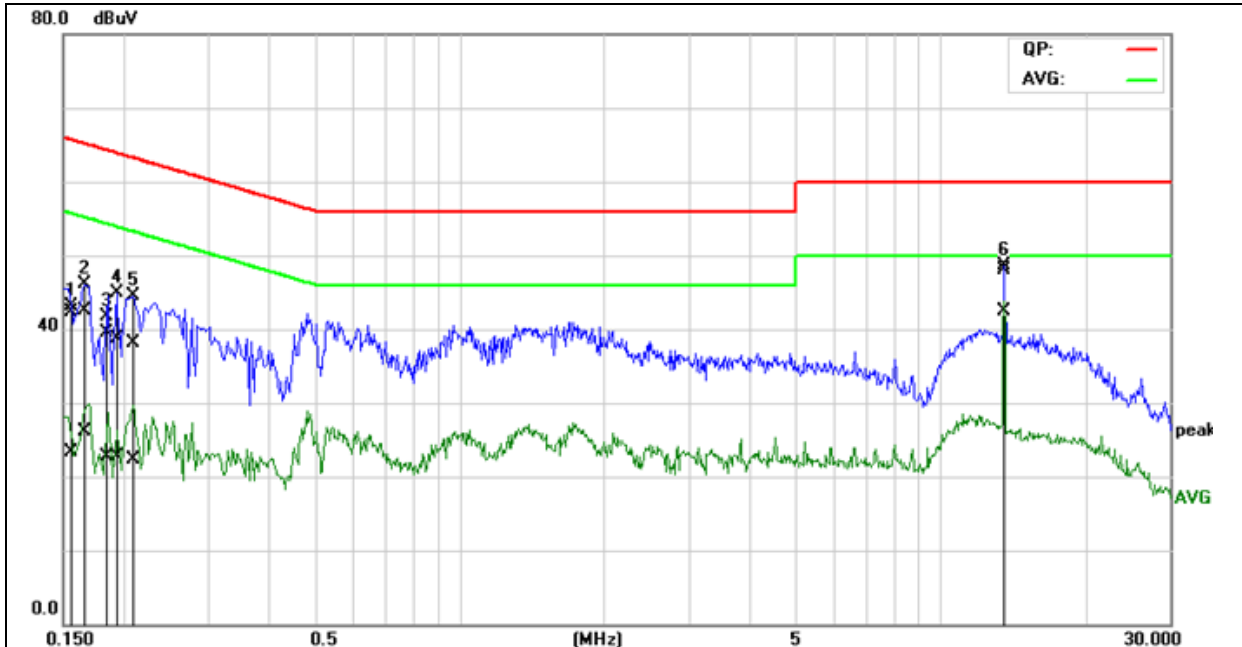


Appendix A for KSCR220500070201

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

L:



No.	Frequency (MHz)	QuasiPeak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	QuasiPeak result (dBuV)	Average result (dBuV)	QuasiPeak limit (dBuV)	Average limit (dBuV)	QuasiPeak margin (dB)	Average margin (dB)	Remark
1	0.1570	22.90	3.87	19.50	42.40	23.37	65.62	55.62	-23.22	-32.25	Pass
2	0.1666	23.08	6.64	19.50	42.58	26.14	65.12	55.13	-22.54	-28.99	Pass
3	0.1819	19.94	3.27	19.50	39.44	22.77	64.39	54.40	-24.95	-31.63	Pass
4	0.1935	19.20	3.20	19.50	38.70	22.70	63.88	53.88	-25.18	-31.18	Pass
5	0.2066	18.56	2.71	19.50	38.06	22.21	63.34	53.34	-25.28	-31.13	Pass
6	13.5606	28.86	21.92	20.16	49.02	42.08	60.00	50.00	-10.98	-7.92	Pass



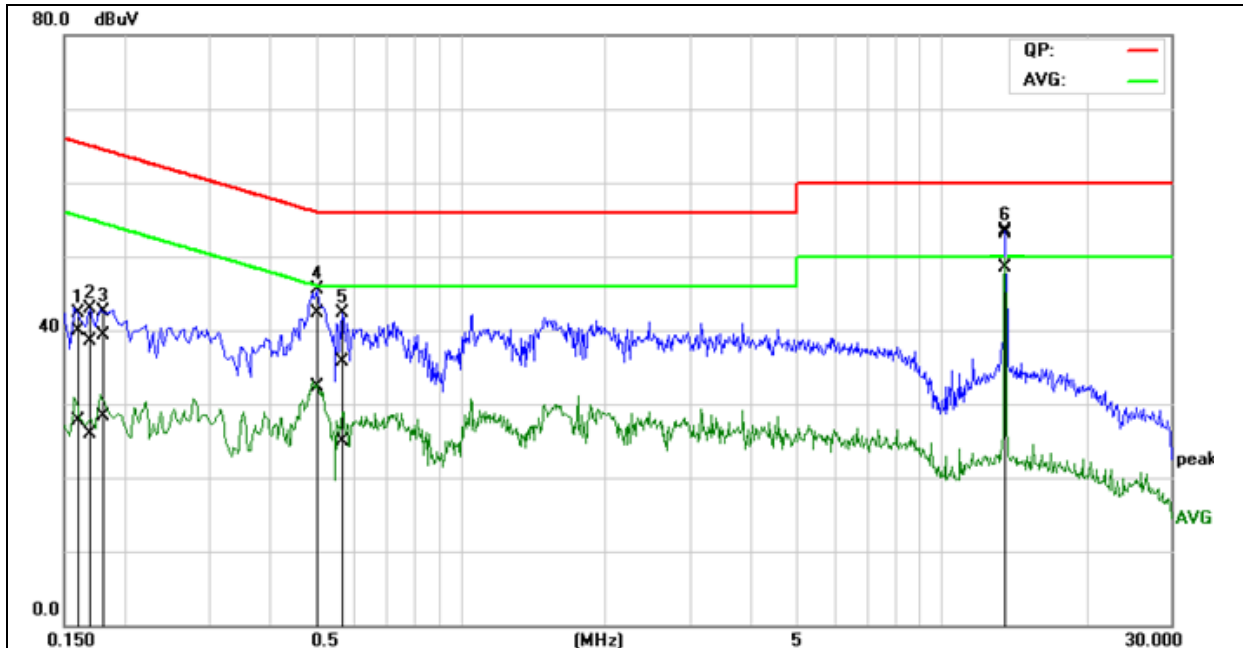
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N:



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	0.1615	20.37	8.30	19.48	39.85	27.78	65.38	55.39	-25.53	-27.61	Pass
2	0.1669	19.03	6.47	19.48	38.51	25.95	65.11	55.11	-26.60	-29.16	Pass
3	0.1816	19.86	8.86	19.49	39.35	28.35	64.41	54.41	-25.06	-26.06	Pass
4	0.4971	22.68	12.81	19.56	42.24	32.37	56.05	46.05	-13.81	-13.68	Pass
5	0.5711	16.11	5.37	19.56	35.67	24.93	56.00	46.00	-20.33	-21.07	Pass
6	13.5601	32.09	28.67	20.16	52.25	48.83	60.00	50.00	-7.75	-1.17	Pass

2. 20dB Bandwidth

20dB bandwidth (kHz)	F _L (MHz)	F _H (MHz)	Limit(MHz)	Result
0.5315	13.5600	13.5605	13.110 – 14.010	Pass

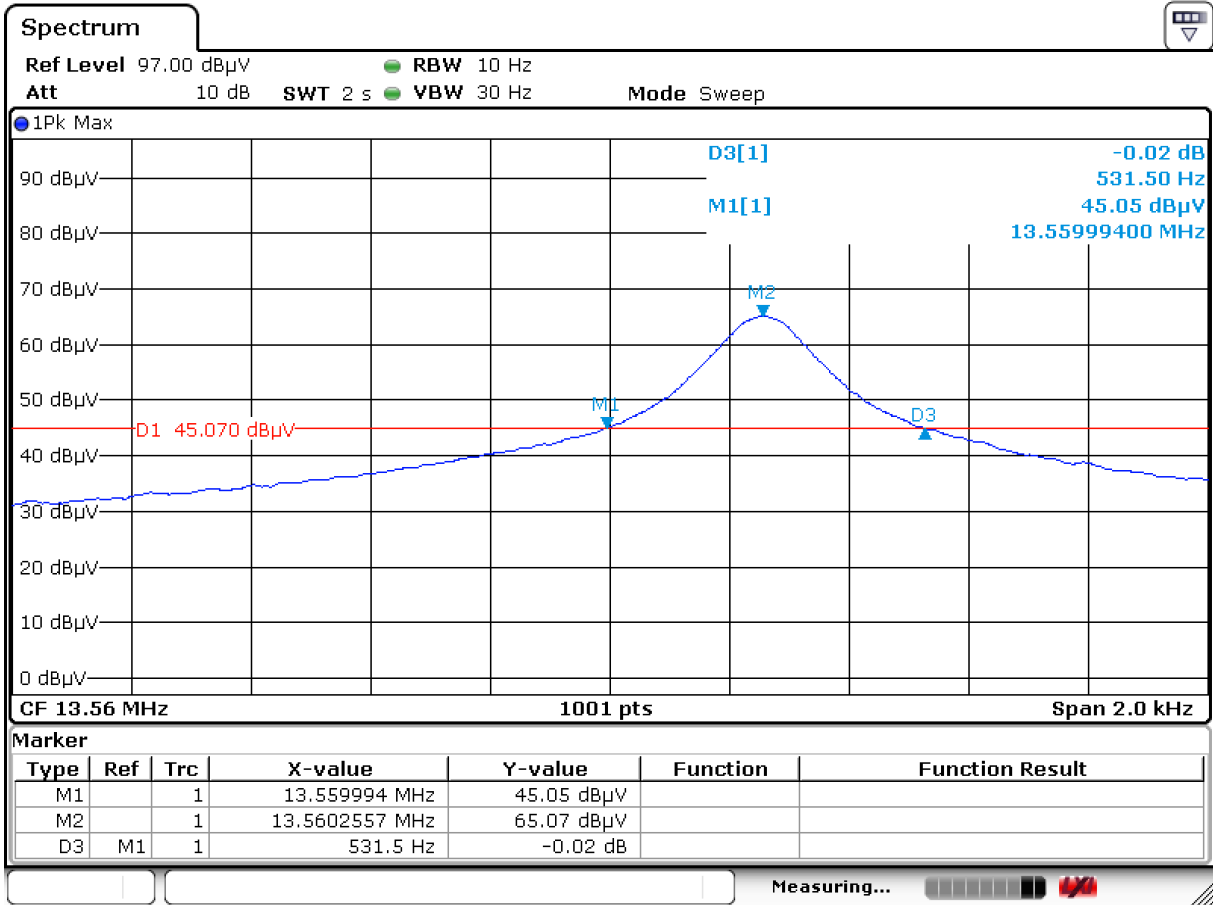
Test plot as follows:



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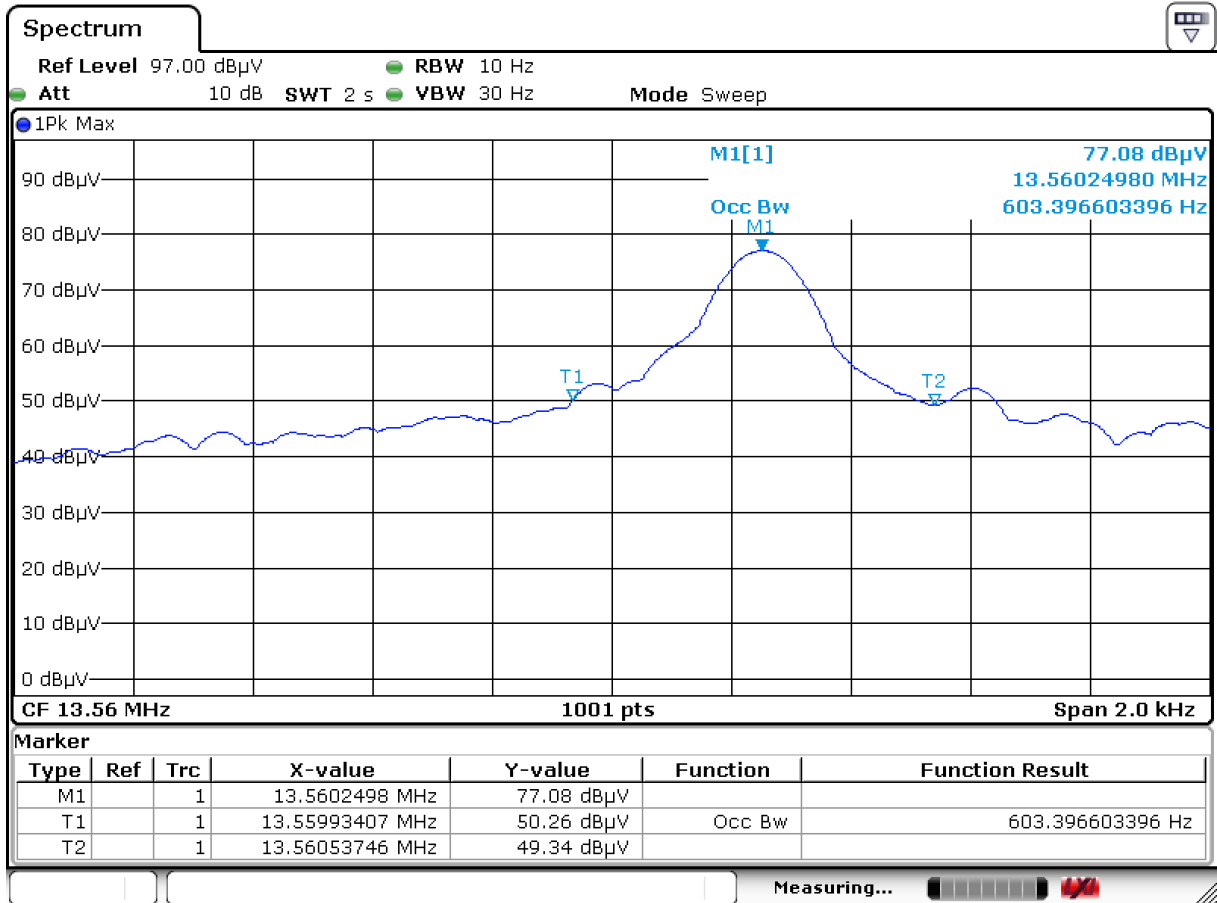
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3. 99% Bandwidth

99% bandwidth (kHz)	F _L (MHz)	F _H (MHz)	Limit(MHz)	Result
0.6034	13.5599	13.5605	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)	13.56029	0.29	±0.01% (1.3560kHz)	Pass
T _{nom} (-10)	V _{nom} (12)	13.56018	0.18		Pass
T _{nom} (0)	V _{nom} (12)	13.56025	0.25		Pass
T _{nom} (10)	V _{nom} (12)	13.56006	0.06		Pass
T _{nom} (20)	V _{nom} (12)	13.56011	0.11		Pass
T _{nom} (30)	V _{nom} (12)	13.56005	0.05		Pass
T _{nom} (40)	V _{nom} (12)	13.56012	0.12		Pass
T _{nom} (50)	V _{nom} (12)	13.56019	0.19		Pass
T _{nom} (20)	V _{min} (10.2)	13.56017	0.17		Pass
	V _{max} (13.8)	13.56008	0.08		Pass

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



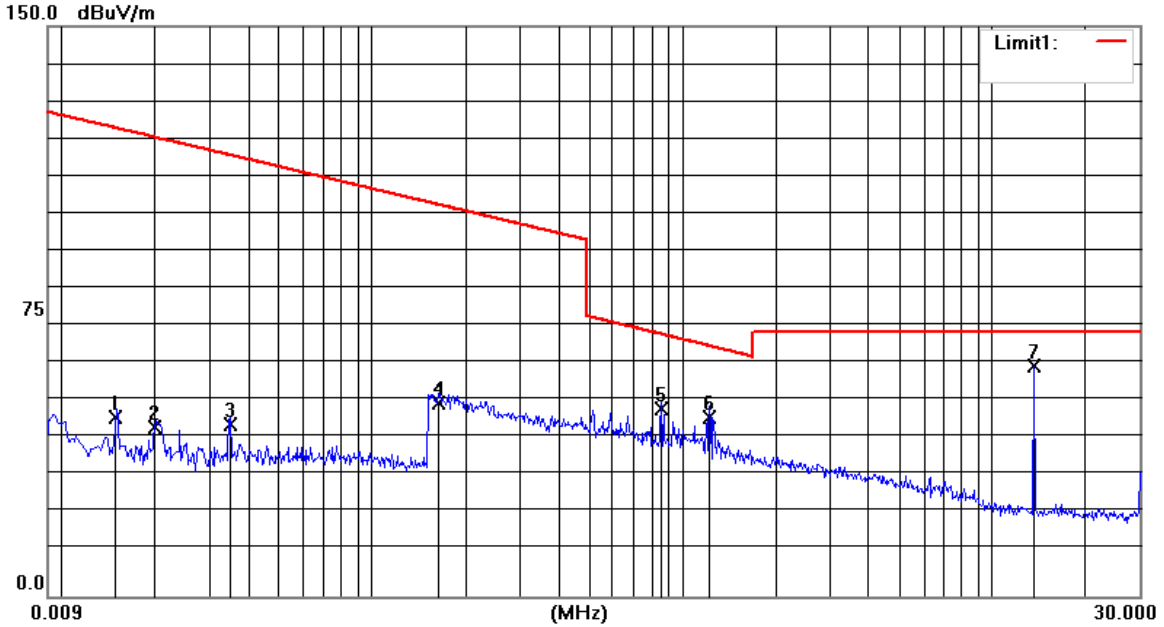
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5. Radiated Emissions(9kHz-30MHz)

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	0.0150	31.18	15.94	47.12	-32.88	44.08	-76.96	QP
2	0.0200	28.49	15.89	44.38	-35.62	41.58	-77.20	QP
3	0.0347	29.32	15.73	45.05	-34.95	36.80	-71.75	QP
4	0.1640	36.33	14.45	50.78	-29.22	23.31	-52.53	QP
5	0.8528	34.96	14.38	49.34	9.34	28.99	-19.65	QP
6	1.2223	32.89	14.34	47.23	7.23	25.86	-18.63	QP
7	13.5602	47.38	13.09	60.47	20.47	84.00	-63.53	PeaK



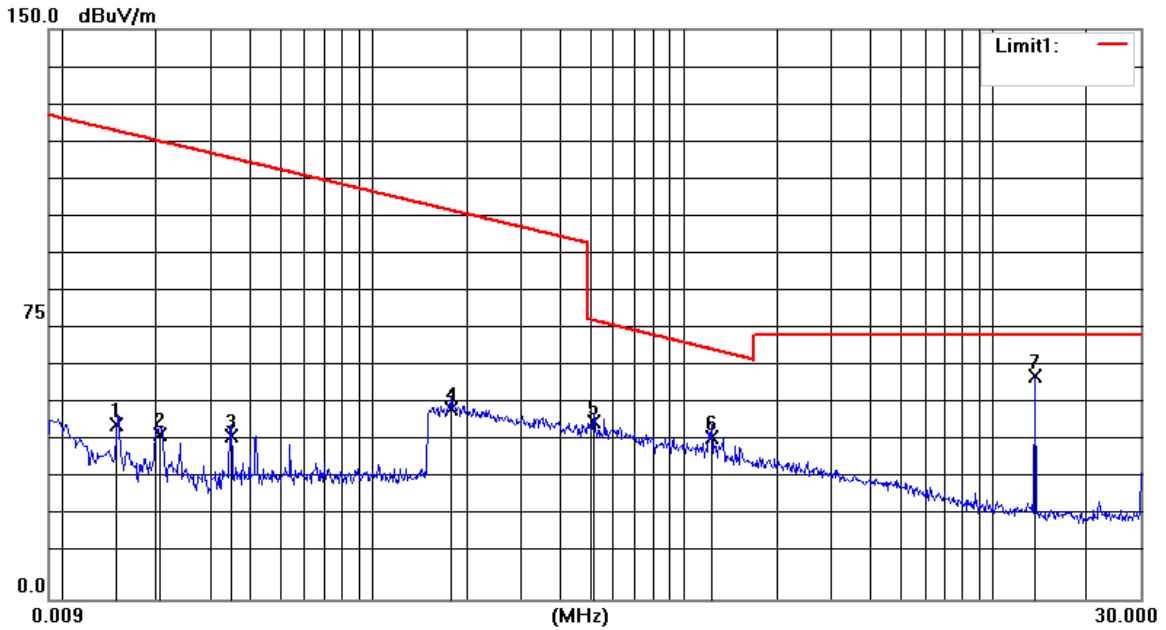
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Vertical



Item	Freq.	Read Level	Correct Factor	Result Level@3m	Result Level@SP EC	Limit Line@SP EC	Over Limit	Detector
(Mark)	(MHz)	(dBμV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0150	30.18	15.94	46.12	-33.88	44.08	-77.96	QP
2	0.0206	27.34	15.88	43.22	-36.78	41.33	-78.11	QP
3	0.0347	27.06	15.73	42.79	-37.21	36.80	-74.01	QP
4	0.1785	35.60	14.45	50.05	-29.95	22.57	-52.52	QP
5	0.5152	32.12	14.41	46.53	6.53	33.36	-26.83	QP
6	1.2291	28.27	14.34	42.61	2.61	25.81	-23.20	QP
7	13.5602	45.46	13.09	58.55	18.55	84.00	-65.45	PeaK



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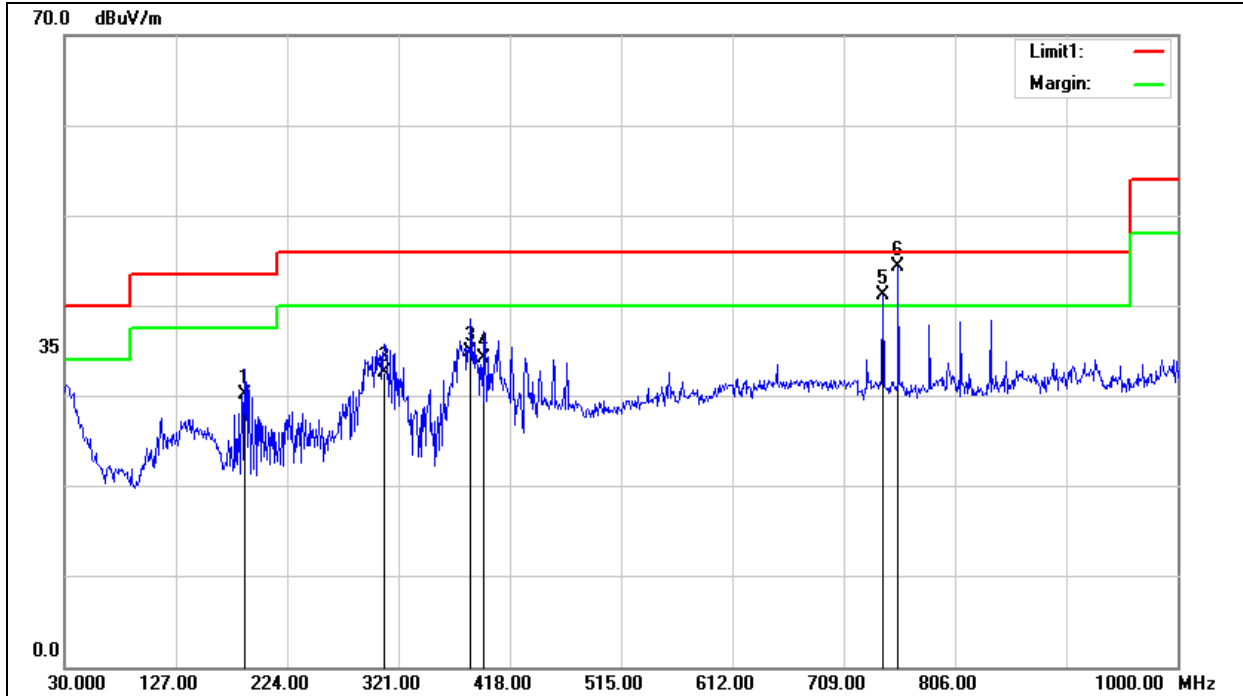
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6. Below 1GHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	187.1400	13.76	16.37	30.13	43.50	-13.37	QP
2	308.3900	11.78	20.87	32.65	46.00	-13.35	QP
3	384.0500	12.36	22.60	34.96	46.00	-11.04	QP
4	395.6900	11.13	23.15	34.28	46.00	-11.72	QP
5	742.9500	38.87	2.38	41.25	46.00	-4.75	QP
6	756.5300	42.03	2.35	44.38	46.00	-1.62	QP



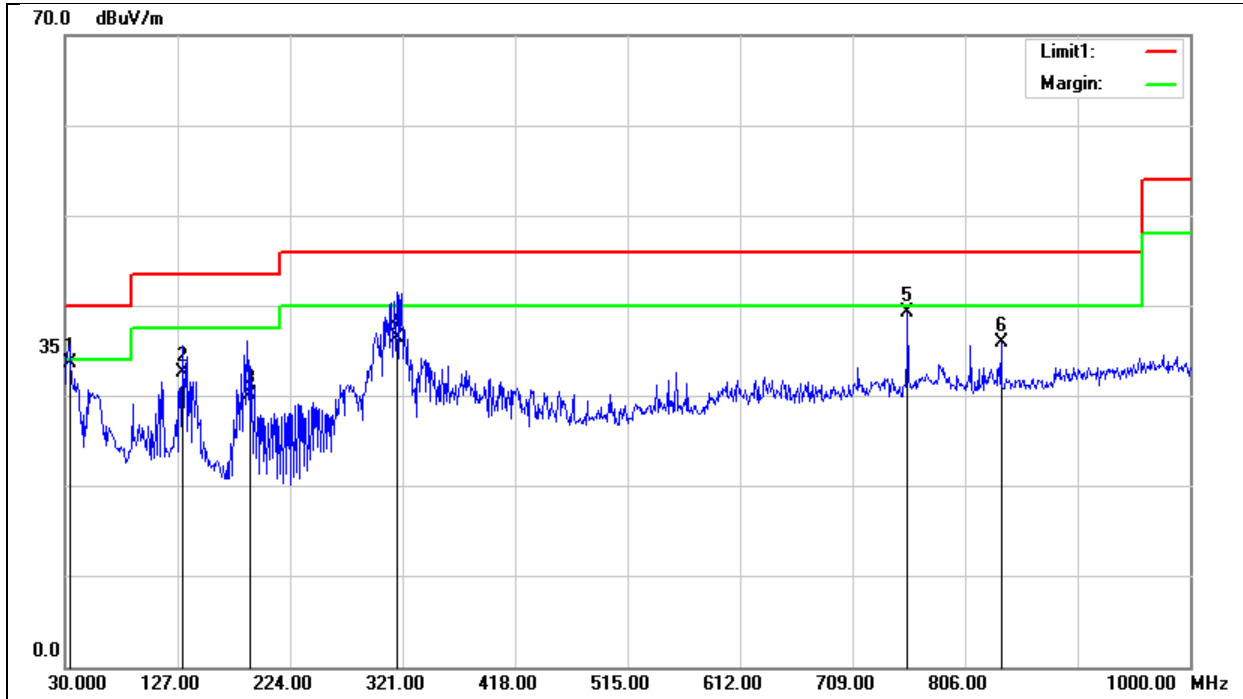
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Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	33.8800	8.78	24.92	33.70	40.00	-6.30	QP
2	130.8800	13.21	19.35	32.56	43.50	-10.94	QP
3	190.0500	13.84	16.35	30.19	43.50	-13.31	QP
4	316.1500	15.39	21.02	36.41	46.00	-9.59	QP
5	756.5300	36.93	2.35	39.28	46.00	-6.72	QP
6	837.0400	33.87	2.16	36.03	46.00	-9.97	QP



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