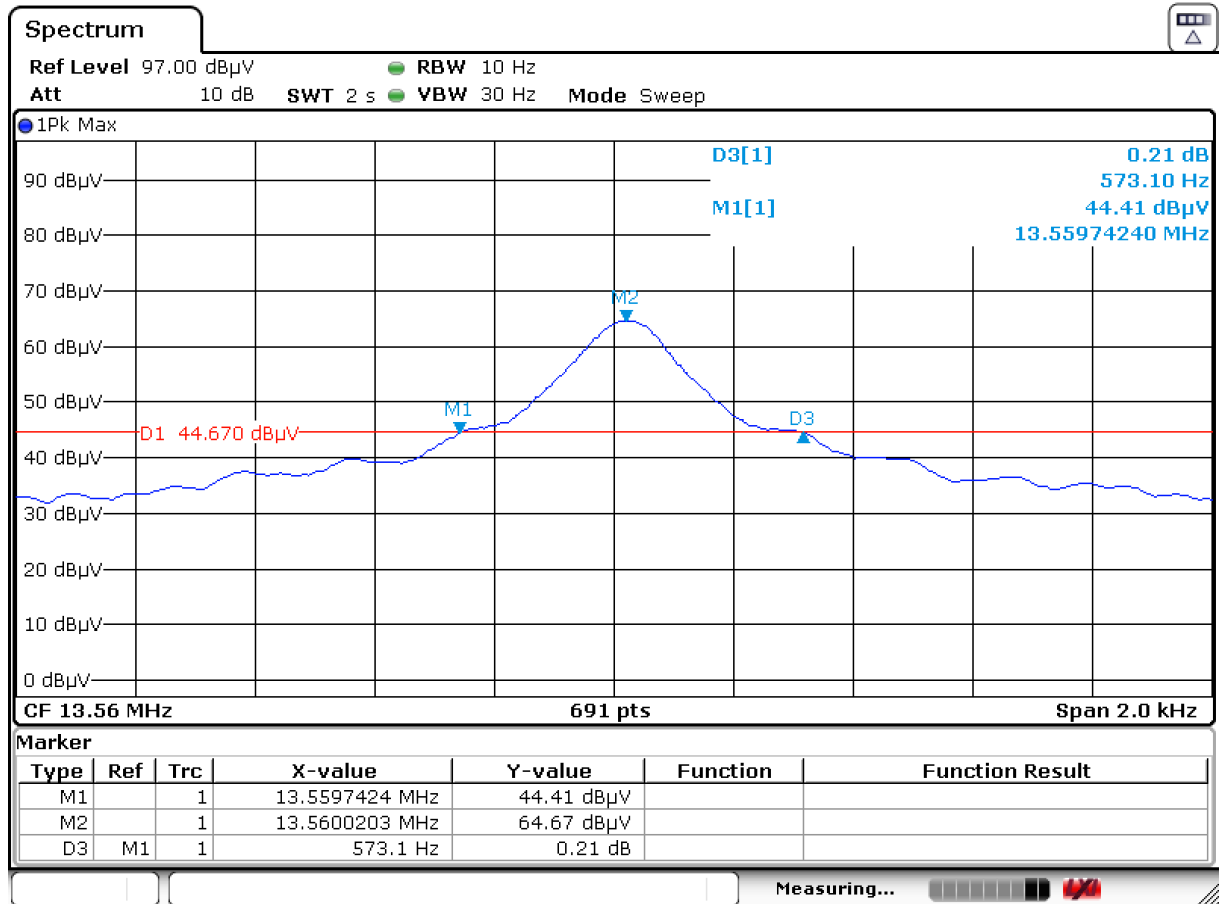


## Appendix B for KSCR220500081002

### 1. 20dB Bandwidth

20dB bandwidth (kHz)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Limit (MHz)	Result
0.5731	13.5597	13.5603	13.110 – 14.010	Pass

Test plot as follows:



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## 2. Frequency tolerance

Nominal Operation Frequency: 13.56MHz

Test Conditions		Test Result (MHz)	Deviation (kHz)	Limit (kHz)	Result
Temp (°C)	Volt (V DC)				
T <sub>ext</sub> (-20)	V <sub>nom</sub> (3)	13.55998	-0.02	±0.01% (1.3560kHz)	Pass
T <sub>ext</sub> (-10)	V <sub>nom</sub> (3)	13.55991	-0.09		Pass
T <sub>ext</sub> (0)	V <sub>nom</sub> (3)	13.56011	0.11		Pass
T <sub>ext</sub> (10)	V <sub>nom</sub> (3)	13.56006	0.06		Pass
T <sub>ext</sub> (20)	V <sub>nom</sub> (3)	13.56002	0.02		Pass
T <sub>ext</sub> (30)	V <sub>nom</sub> (3)	13.56003	0.03		Pass
T <sub>ext</sub> (40)	V <sub>nom</sub> (3)	13.56015	0.15		Pass
T <sub>ext</sub> (50)	V <sub>nom</sub> (3)	13.56024	0.24		Pass
T <sub>ext</sub> (20)	V <sub>min</sub> (2.55)	13.56007	0.07		Pass
	V <sub>max</sub> (3.45)	13.56012	0.12		Pass

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

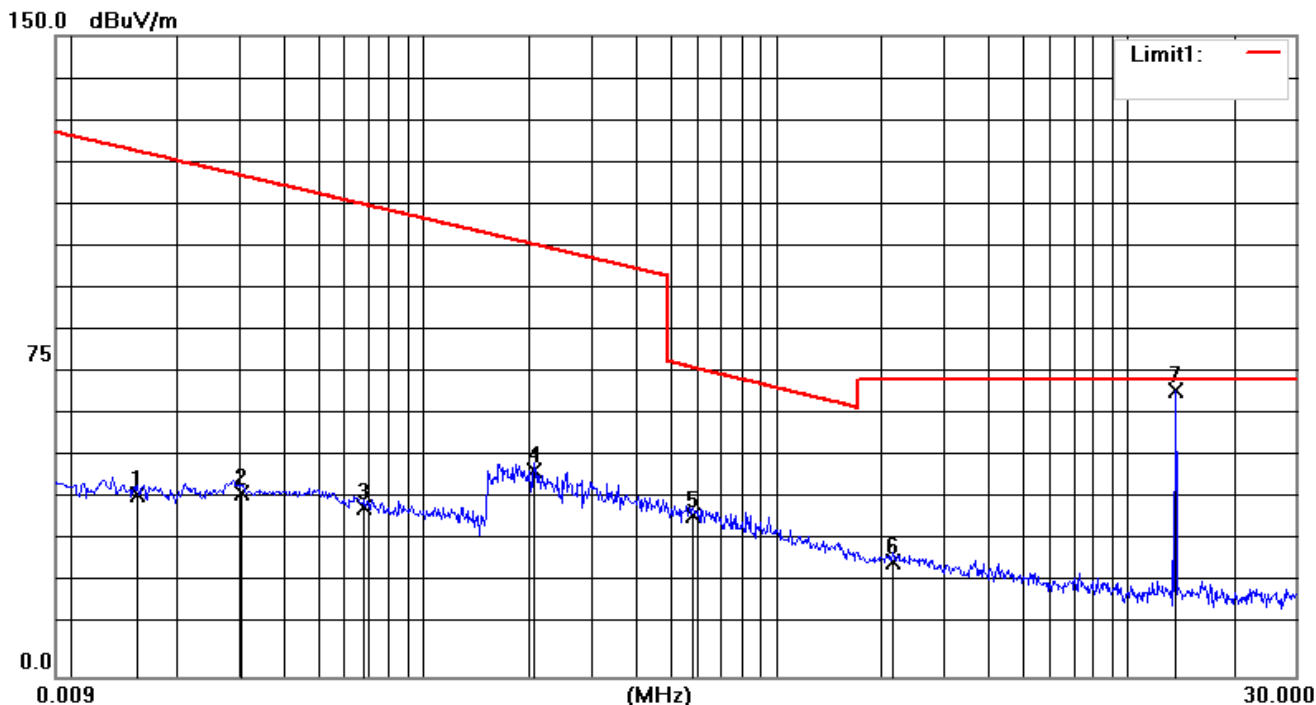


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### 3. Radiated Emissions(9kHz-30MHz)

#### Horizontal



Item	Freq.	Read Level	Correct Factor	Result Level@3m	Result Level@SPEC C	Limit Line@SPEC	Over Limit	Detector
(Mark)	(MHz)	(dBμV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0154	26.75	15.94	42.69	-37.31	43.85	-81.16	QP
2	0.0303	27.01	15.77	42.78	-37.22	37.98	-75.20	QP
3	0.0675	24.30	15.36	39.66	-40.34	31.02	-71.36	QP
4	0.2061	33.61	14.44	48.05	-31.95	21.32	-53.27	QP
5	0.5792	23.12	14.41	37.53	-2.47	32.35	-34.82	QP
6	2.1326	12.69	14.25	26.94	-13.06	29.50	-42.56	QP
7	13.5600	53.77	13.09	66.86	26.86	84.00	-57.14	PeaK



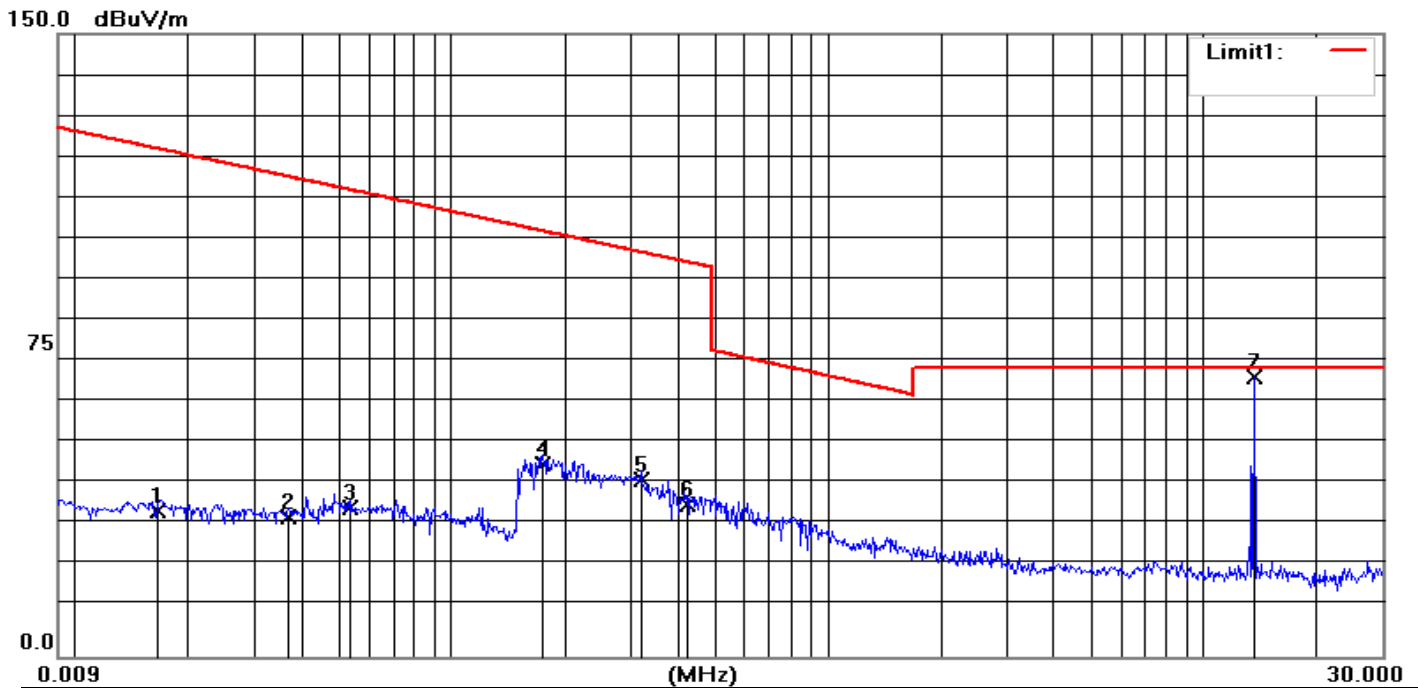
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## Vertical



Item	Freq.	Read Level	Correct Factor	Result Level@3m	Result Level@SPEC C	Limit Line@SPEC	Over Limit	Detector
(Mark)	(MHz)	(dBμV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0165	19.29	15.93	35.22	-44.78	43.25	-88.03	QP
2	0.0367	17.99	15.70	33.69	-46.31	36.31	-82.62	QP
3	0.0540	20.22	15.51	35.73	-44.27	32.96	-77.23	QP
4	0.1748	31.70	14.45	46.15	-33.85	22.75	-56.60	QP
5	0.3183	28.25	14.44	42.69	-37.31	17.55	-54.86	QP
6	0.4213	22.13	14.44	36.57	-43.43	15.11	-58.54	QP
7	13.5600	53.36	13.96	67.32	27.32	84.00	-56.68	PeaK

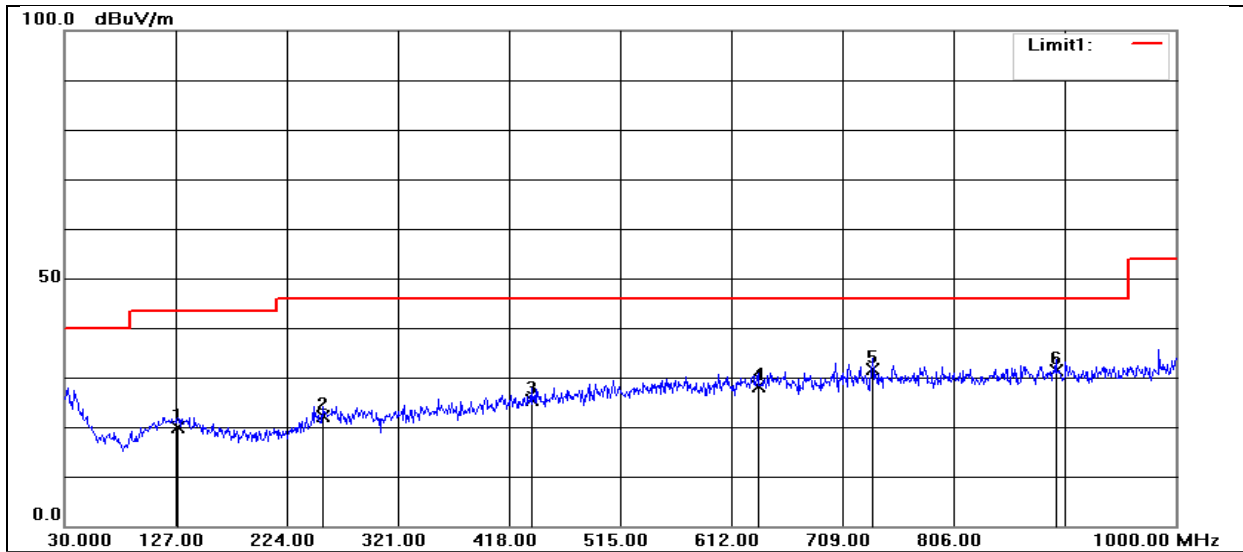
Remark: 'SPEC' means the specified measurement distance, for frequency between 0.009MHz to 0.490MHz is 300 meters, 0.490MHz to 1.705MHz is 30 meters, 1.705MHz to 30MHz is 30 meters.



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## 5. Below 1GHz

### Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	128.9400	0.46	19.41	19.87	43.50	-23.63	QP
2	255.0400	1.83	20.23	22.06	46.00	-23.94	QP
3	437.4000	1.37	24.00	25.37	46.00	-20.63	QP
4	635.2800	0.50	27.69	28.19	46.00	-17.81	QP
5	735.1900	29.16	2.40	31.56	46.00	-14.44	QP
6	895.2400	28.91	2.42	31.33	46.00	-14.67	QP



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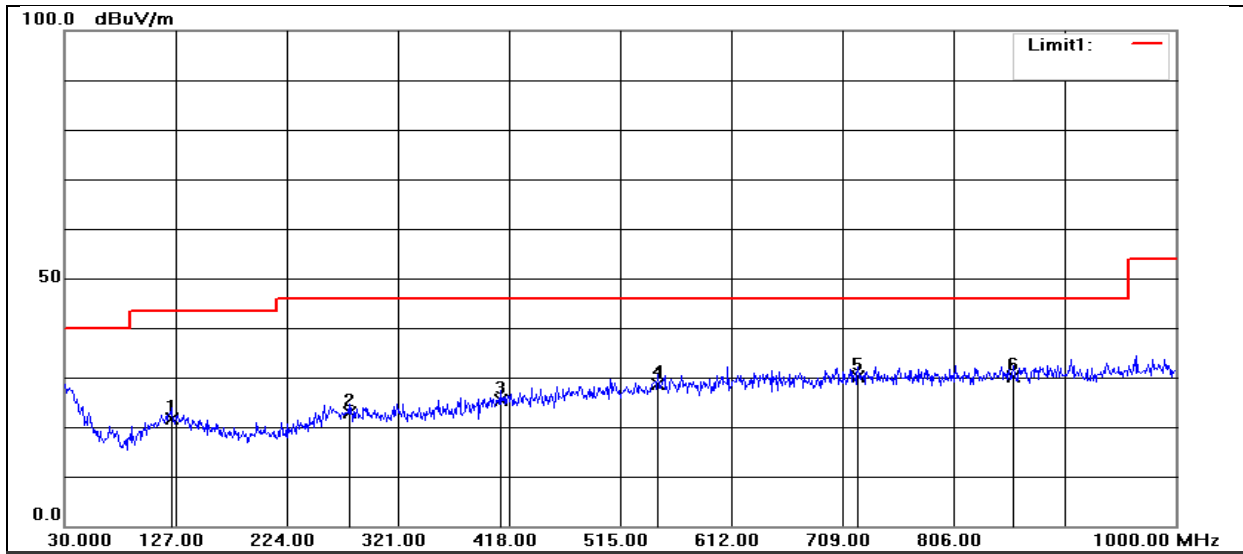
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## Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	123.1200	2.24	19.41	21.65	43.50	-21.85	QP
2	278.3200	2.47	20.31	22.78	46.00	-23.22	QP
3	410.2400	1.68	23.79	25.47	46.00	-20.53	QP
4	547.9800	1.49	27.20	28.69	46.00	-17.31	QP
5	722.5800	27.58	2.43	30.01	46.00	-15.99	QP
6	858.3800	27.98	2.18	30.16	46.00	-15.84	QP



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