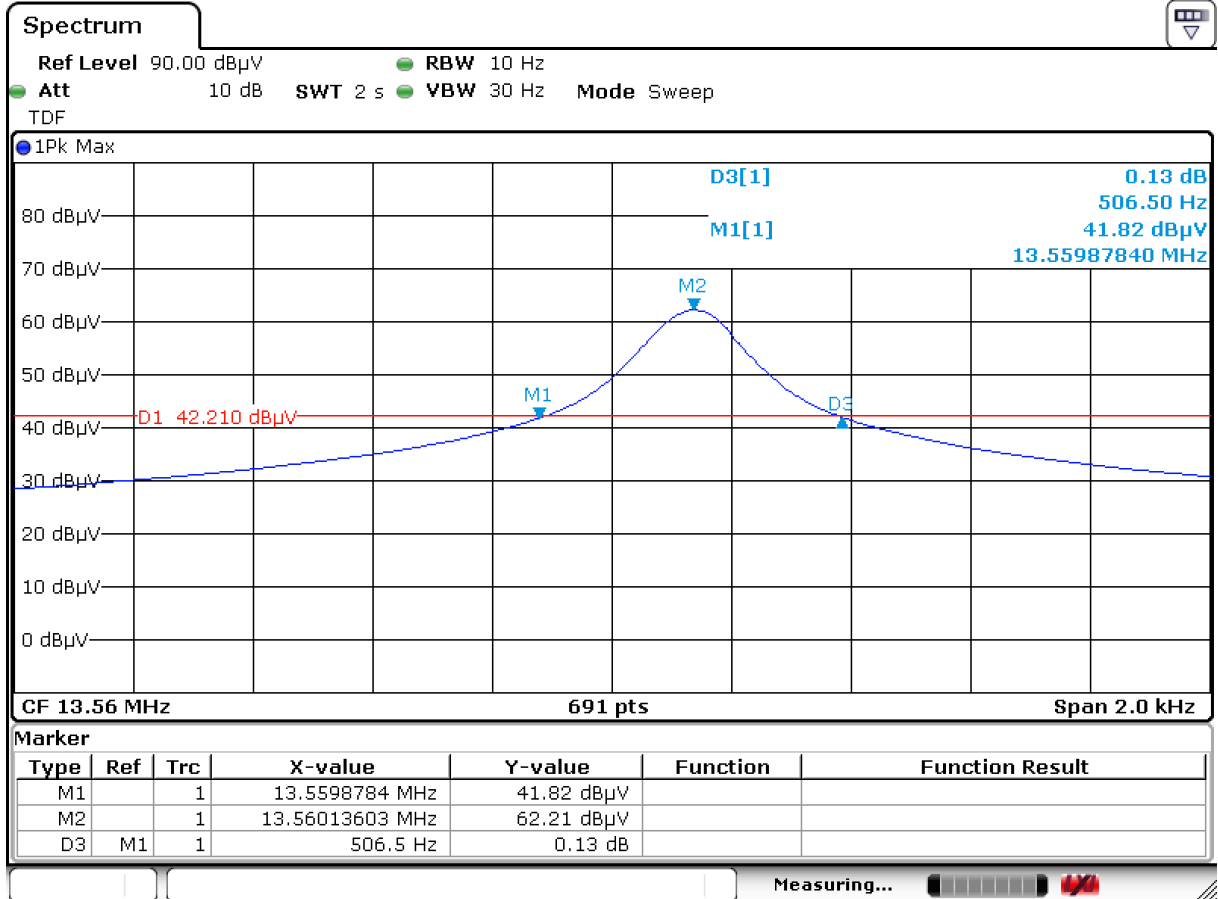


Appendix A for KSCR220300031801

1. 20dB Bandwidth

20dB bandwidth (kHz)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Limit(MHz)	Result
0.5065	13.5599	13.5604	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 AC)				
T <sub>nom</sub> (-20)	V <sub>nom</sub> (120)	13.55991	-0.09	±0.01% (1.3560kHz)	Pass
T <sub>nom</sub> (-10)	V <sub>nom</sub> (120)	13.55997	-0.03		Pass
T <sub>nom</sub> (0)	V <sub>nom</sub> (120)	13.56002	0.02		Pass
T <sub>nom</sub> (10)	V <sub>nom</sub> (120)	13.56008	0.08		Pass
T <sub>nom</sub> (20)	V <sub>nom</sub> (120)	13.56014	0.14		Pass
T <sub>nom</sub> (30)	V <sub>nom</sub> (120)	13.56022	0.22		Pass
T <sub>nom</sub> (40)	V <sub>nom</sub> (120)	13.56027	0.27		Pass
T <sub>nom</sub> (50)	V <sub>nom</sub> (120)	13.56033	0.33		Pass
T <sub>nom</sub> (20)	V <sub>min</sub> (102)	13.56011	0.11		Pass
	V <sub>max</sub> (138)	13.56019	0.19		Pass

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



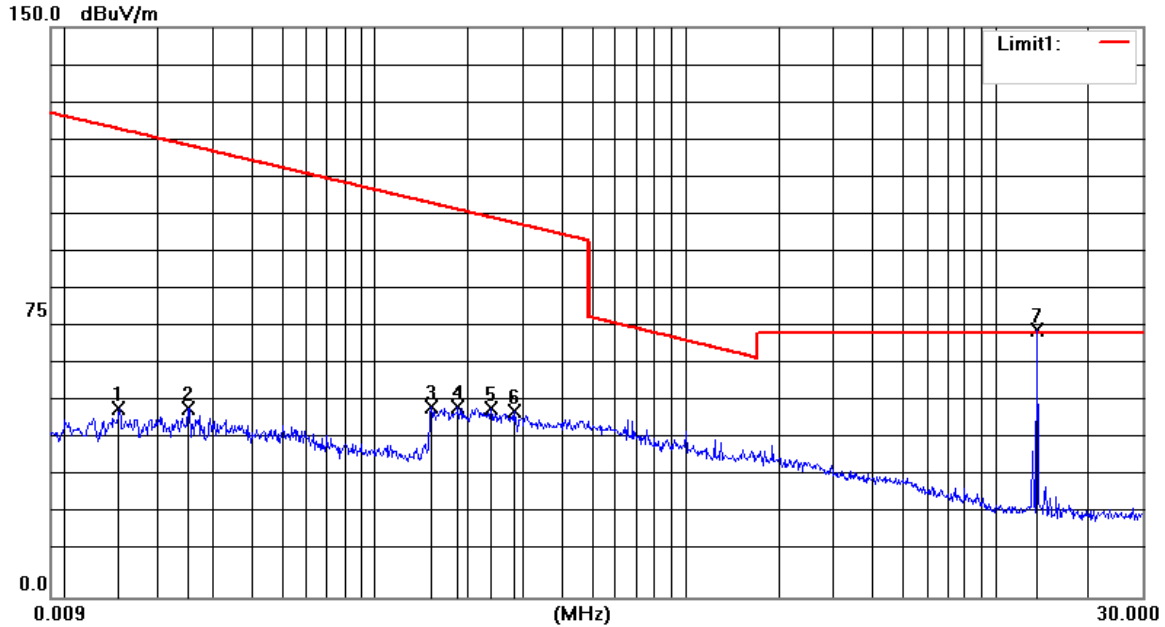
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### 3. Radiated Emissions(9kHz-30MHz)

#### Horizontal



Item	Freq.	Read Level	Correct Factor	Result Level@ 3m	Result Level@S PEC	Limit Line@SP EC	Over Limit	Detector
(Mark)	(MHz)	(dBμV)	(dB/m)	(dBuV/m )	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0150	33.70	15.94	49.64	-30.36	43.20	-73.56	QP
2	0.0250	33.93	15.83	49.76	-30.24	38.89	-69.13	QP
3	0.1516	35.74	14.45	50.19	-29.81	23.69	-53.50	QP
4	0.1844	35.61	14.45	50.06	-29.94	22.04	-51.98	QP
5	0.2366	35.20	14.44	49.64	-30.36	19.94	-50.30	QP
6	0.2787	34.63	14.44	49.07	-30.93	18.56	-49.49	QP
7	13.5600	57.28	13.00	70.28	30.28	Fundamental Frequency		Peak



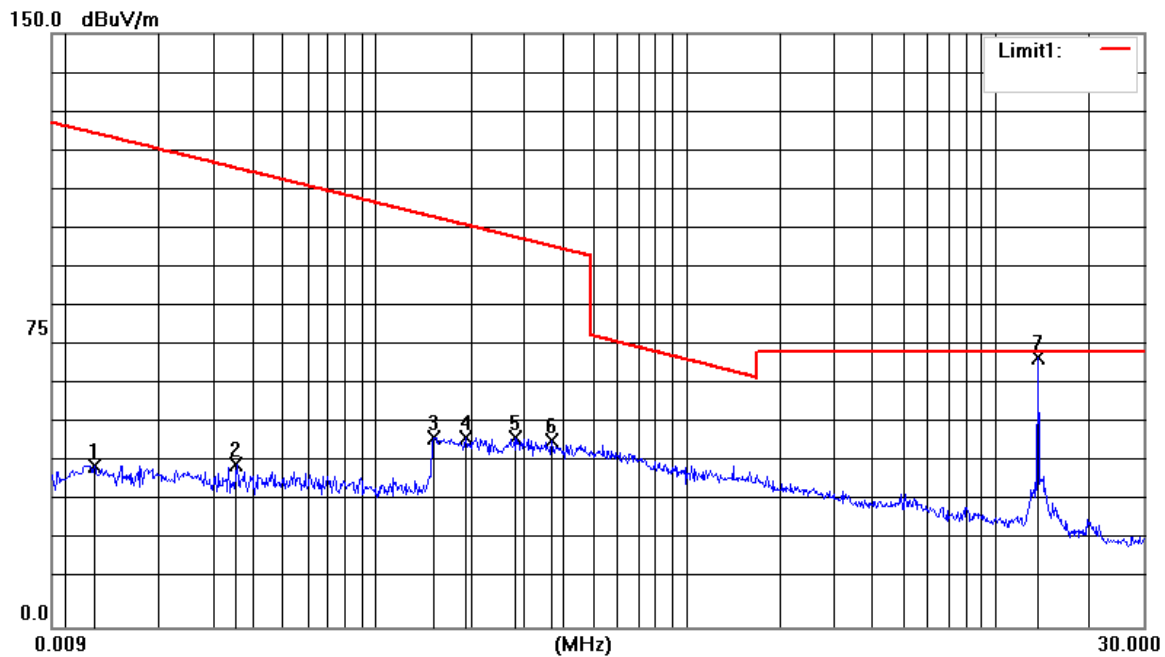
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Vertica



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	0.0123	24.86	15.97	40.83	-39.17	44.87	-84.04	QP
2	0.0354	25.30	15.72	41.02	-38.98	35.96	-74.94	QP
3	0.1532	33.36	14.45	47.81	-32.19	23.60	-55.79	QP
4	0.1932	33.40	14.45	47.85	-32.15	21.65	-53.80	QP
5	0.2802	33.46	14.44	47.90	-32.10	18.51	-50.61	QP
6	0.3690	32.60	14.43	47.03	-32.97	16.19	-49.16	QP
7	13.5600	54.95	13.00	67.95	27.95	Fundamental Frequency		Peak



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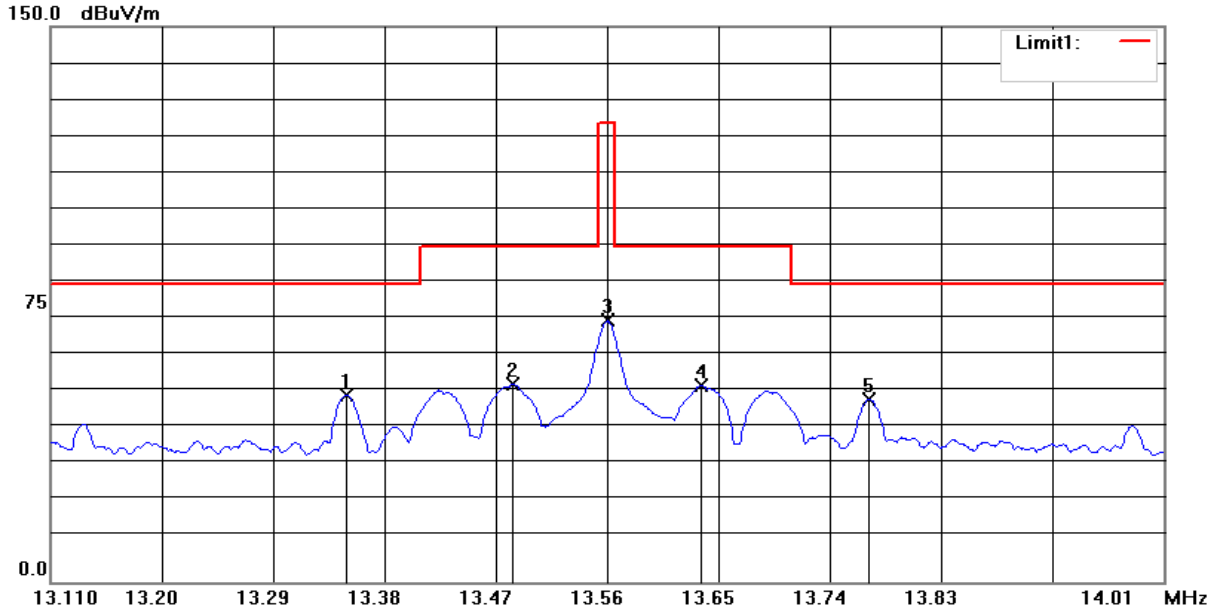
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#### 4. Emission Mask

##### Horizontal



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(Mark)	(MHz)	(dB $\mu$ V)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	13.3493	37.49	13.02	50.51	80.50	-29.99	QP
2	13.4834	40.40	13.01	53.41	90.50	-37.09	QP
3	13.5600	57.52	13.00	70.52	124.00	-53.48	Peak
4	13.6364	40.14	12.99	53.13	90.50	-37.37	QP
5	13.7723	36.34	12.98	49.32	80.50	-31.18	QP



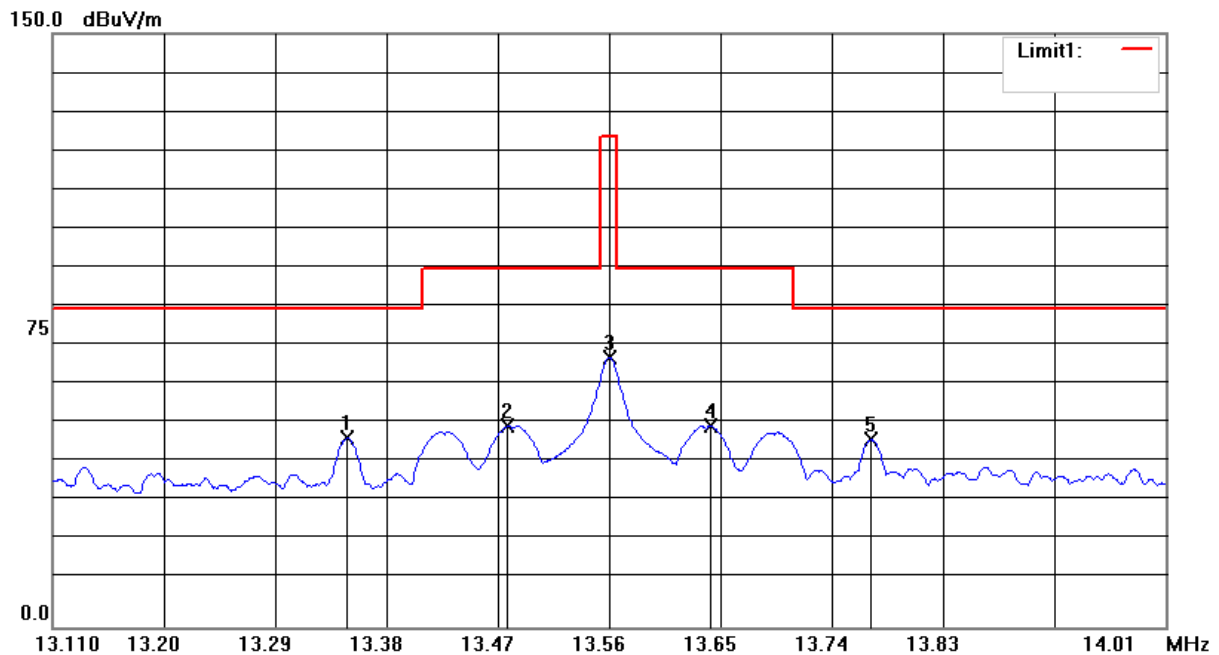
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Item	Freq.	Read Level	Correct Factor	Result Level@3m	Limit Line@3m	Over Limit	Detector
(Mark)	(MHz)	(dBμV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	13.3485	34.67	13.02	47.69	80.50	-32.81	QP
2	13.4781	37.73	13.01	50.74	90.50	-39.76	QP
3	13.5600	55.25	13.00	68.25	124.00	-55.75	Peak
4	13.6420	37.83	12.99	50.82	90.50	-39.68	QP
5	13.7724	34.33	12.98	47.31	80.50	-33.19	QP



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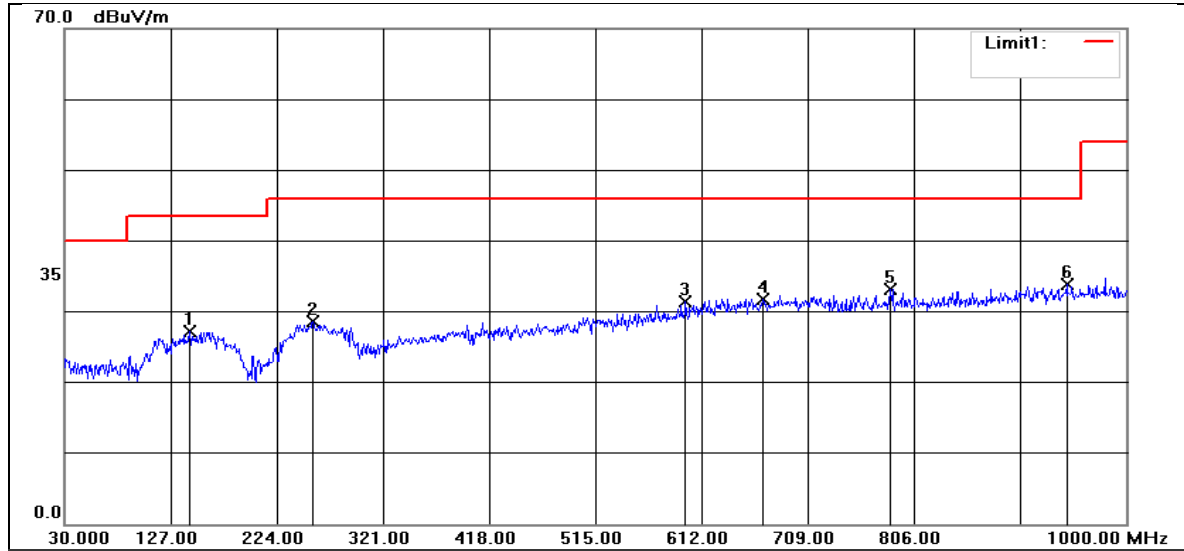
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5. Below 1GHz

Horizontal



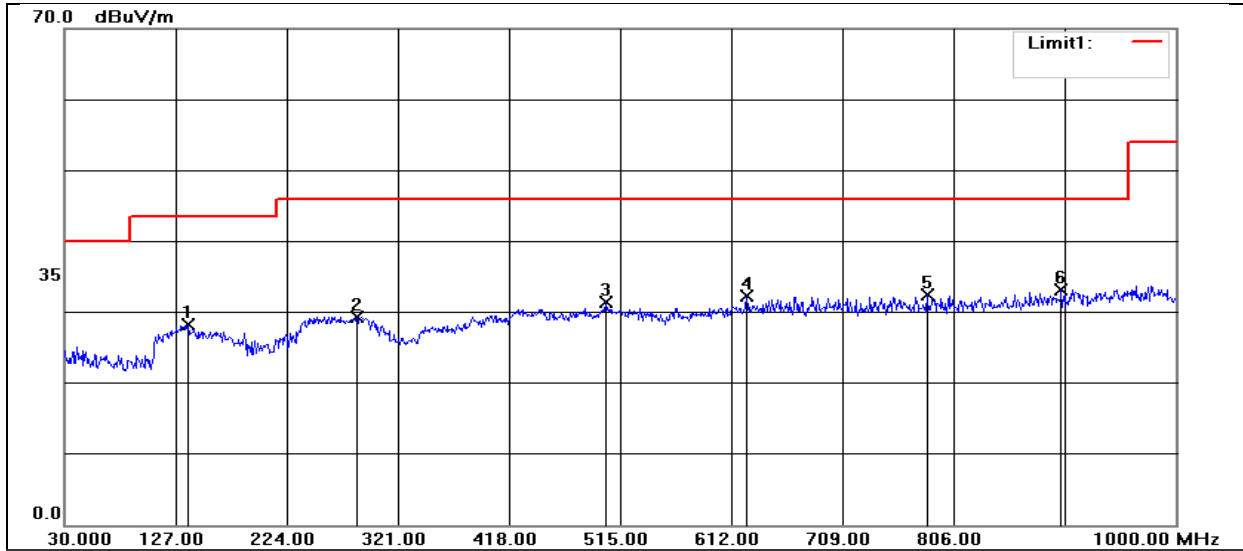
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	144.4600	7.27	19.96	27.23	43.50	-16.27	QP
2	256.9800	9.16	19.50	28.66	46.00	-17.34	QP
3	597.4500	5.01	26.48	31.49	46.00	-14.51	QP
4	668.2600	4.59	27.25	31.84	46.00	-14.16	QP
5	784.6600	5.46	27.72	33.18	46.00	-12.82	QP
6	945.6800	4.60	29.25	33.85	46.00	-12.15	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	137.6700	8.44	19.74	28.18	43.50	-15.32	QP
2	285.1100	9.14	20.23	29.37	46.00	-16.63	QP
3	502.3900	6.21	25.27	31.48	46.00	-14.52	QP
4	625.5800	5.53	26.82	32.35	46.00	-13.65	QP
5	782.7200	4.71	27.71	32.42	46.00	-13.58	QP
6	900.0900	4.51	28.67	33.18	46.00	-12.82	QP



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