

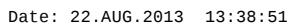
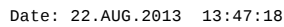
Normative Reference Standard	FCC CFR 47 §15.249; RSS-210
Procedure Reference	ANSI C63.4:2003

Temperature	25 +/- 5 °C
Humidity	40 +/- 10 %
Barometric Pressure	101 +/- 3 kPa

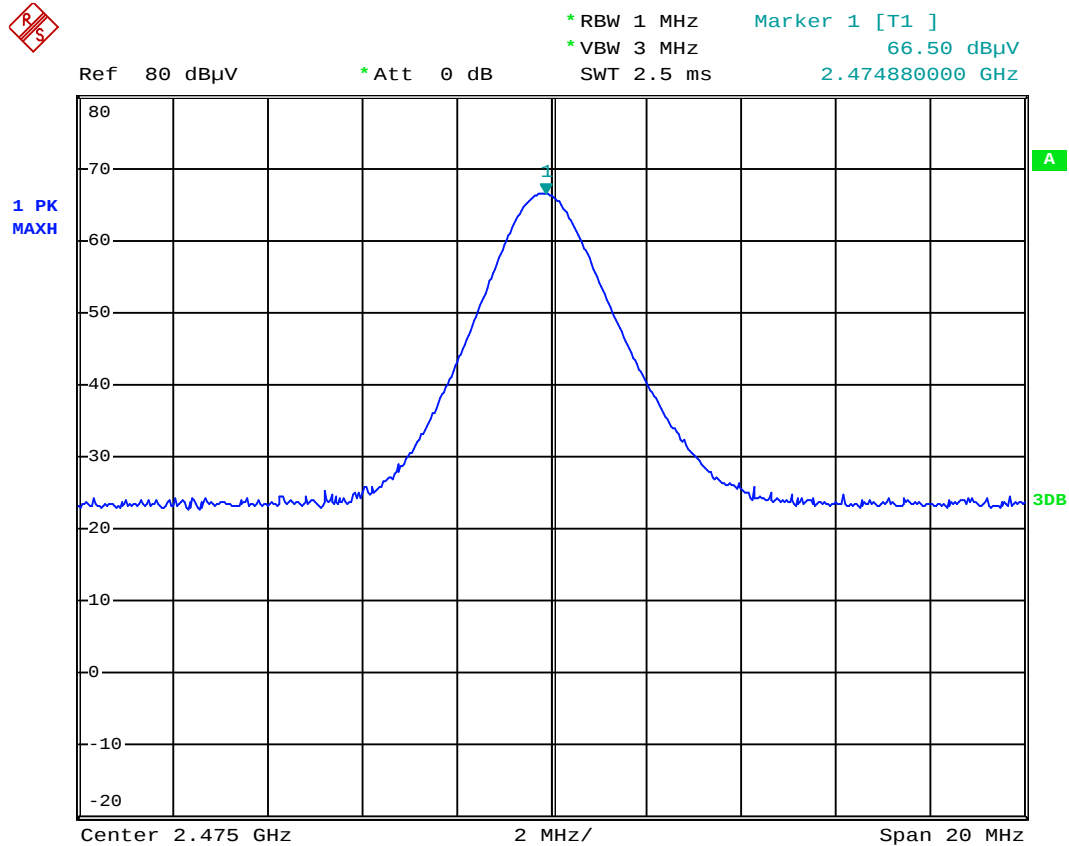
ASSET NUMBER	MANUFACTURER	MODEL	DESCRIPTION	CAL DUE
00241	R&S	FSP40	Spectrum Analyzer	09 Apr 15
00072	EMCO	2075	Mini-mast	n/a
00073	EMCO	2080	Turn Table	n/a
00071	EMCO	2090	Multi-Device Controller	n/a
00050	Chase	CBL-6111A	Bilog Antenna	03 May14
00034	ETS	3115	Double Ridged Guide Horn	06 Dec 14

The diagram illustrates the setup for measuring the radiation efficiency of a mobile phone. It shows a reverberation chamber with a height of 1~4 m and a width of 3 m. A probe is positioned 1 m above the ground plane. The chamber is connected to a Test table & Turntable, which is connected to the EUT (Equipment Under Test) via a cable. The EUT is positioned 80 cm above the ground plane. The setup includes a Spectrum Analyzer, a Pre-Amplifier, and an RF Cable.

Applicant:	Microlynx	Model:	Testork BS 5033583	FCC ID:	L5M5033583	IC:	6364A-5033583	
DUT :	Testork Base Station 5033583, 2.4GHz Transmitter							
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Date: 21.AUG.2013 19:57:39

9.0 RADIATED SPURIOUS EMISSIONS

Applicant:	Microlynx	Model:	Testork BS 5033583	FCC ID:	L5M5033583	IC:	6364A-5033583	
DUT :	Testork Base Station 5033583, 2.4GHz Transmitter							
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Frequency (MHz)	Antenna Pol.	Emission Level (dBuV/m) @1m	Antenna Factor (dB)	Cable Loss/Amp Gain Corr.	Distance Correction	Emission Level (dBuV/m@3m)	Limit (avg) (dBuV/m@3m)	Margin
7215.0	V	34.4	35.9	-26.0	-9.54	34.76	54.0	-19.24
7275.0	V	35.6	36.2	-26.0	-9.54	36.26	54.0	-17.74
7425.0	V	39.6	36.5	-26.0	-9.54	40.56	54.0	-13.44

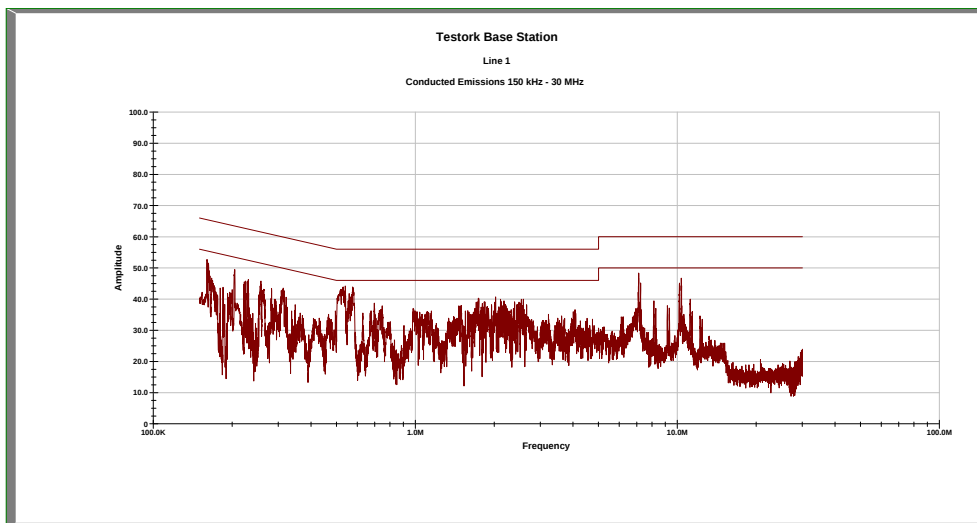
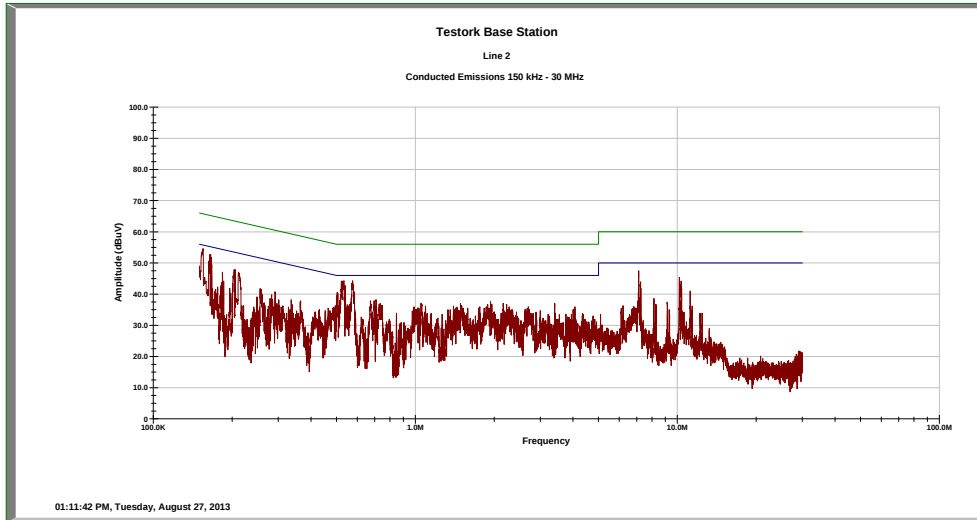
Data presented using a Pk detector compared to average limits.
Device characterization was performed on all axis to determine worst case orientation for both antennas.
Worst case performance has been presented.
The Device was searched to the 10th harmonic of the fundamental (24.75 GHz).
All detected emissions have been reported.

The image contains two side-by-side plots showing conducted emissions for Line 1 and Line 2. Both plots have a logarithmic frequency axis from 100.0K to 100.0M and a linear amplitude axis from 0 to 100.0. The red line represents the measured noise floor, which is highest at low frequencies and decreases as frequency increases. The black line represents the upper limit, and the blue line represents the lower limit. The upper limit is a stepped function that starts at approximately 65 dBuV at 100.0K, decreases to 55 dBuV at 1.0M, and then steps up to 60 dBuV at 10.0M. The lower limit is a stepped function that starts at approximately 55 dBuV at 100.0K, decreases to 45 dBuV at 1.0M, and then steps up to 50 dBuV at 10.0M. The measured noise floor is generally below the upper limit and above the lower limit, with some peaks reaching the upper limit at low frequencies.

Line 1
Conducted Emissions 150 kHz - 30 MHz

Line 2
Conducted Emissions 150 kHz - 30 MHz

15.207, Powerline Conducted Emissions



All peak emissions are below the average limits.

