

Exhibit 2B Test Reports

Provided by: MOTOROLA INC
in support of Grant FCC ID: IHDT56DB2
Part of composite device application FCC ID: TOP-OTD300-0

OCCUPIED BANDWIDTH

CFR 47 Part 2.1049, 22.917, 24.238

SPURIOUS EMISSIONS AT ANTENNA TERMINALS

CFR 47 Part 2.1051, 22.917, 24.238

FREQUENCY STABILITY

CFR 47 Part 2.1055, 22.355, 24.235

The Motorola g20 transceiver (FCC ID: IHDT56dB2) is the only transceiver used in the RemoteMDx Trackerpal OTD the subject of this certification application.

These particular reports and data originally presented by Motorola in its application for FCC ID: IHDT56dB2 remain relevant to this application for two reasons:

First, the module is not altered or retuned in any way through its' incorporation into the RemoteMDx Trackerpal OTD. Further, Motorola's specific instructions on incorporating the module have been followed rigorously.

Second, only those test reports involving measurements through the antenna port of the g20 have been replicated here. Since the Trackerpal OTD antenna is connected directly to the g20 antenna port the original measurements remain representative.

OCCUPIED BANDWIDTH

CFR47 Part 2.1049, 24.238

Measurement Procedure

The RF output port of the equipment under test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. The amplitude of the spectrum analyzer is corrected for the attenuator and any other applicable losses. The analyzer is set for Peak Detector and each trace is set for Max Hold. A fully charged battery was used for the supply voltage.

The middle channel within the designated frequency block was measured. For digital modulation, the lower and upper band edge plots are displayed.

The plotted data shown for the band edge measurements is representative of data taken with a true 3 kHz resolution bandwidth filter. The raw data was taken using a 1 kHz resolution bandwidth and was integrated to produce a response representative of data taken using a true 3 kHz resolution bandwidth filter.

The occupied bandwidth was measured by integrating over 1001 points to determine the bandwidth occupied by 99 % of the transmitted power.

Instrument Settings

Plot	Resolution Bandwidth (kHz)	Video Bandwidth (kHz)	Sweep Points (#)	Trace Mode	Detector	Samples (≥ #)
Reference Plot – GSM 850	300	Auto	1001	Max Hold	Peak	30
OCBW - GSM 850	3	Auto	1001	Max Hold	Peak	30
Lower Band Edge - GSM 850	1	Auto	2004	Max Hold	Peak	30
Upper Band Edge - GSM 850	1	Auto	2004	Max Hold	Peak	30

Plot	Resolution Bandwidth (kHz)	Video Bandwidth (kHz)	Sweep Points (#)	Trace Mode	Detector	Samples (≥ #)
Reference Plot – GSM 1900	300	Auto	1001	Max Hold	Peak	30
OCBW - GSM 1900	3	Auto	1001	Max Hold	Peak	30
Lower Band Edge - GSM 1900	1	Auto	2004	Max Hold	Peak	30
Upper Band Edge - GSM 1900	1	Auto	2004	Max Hold	Peak	30

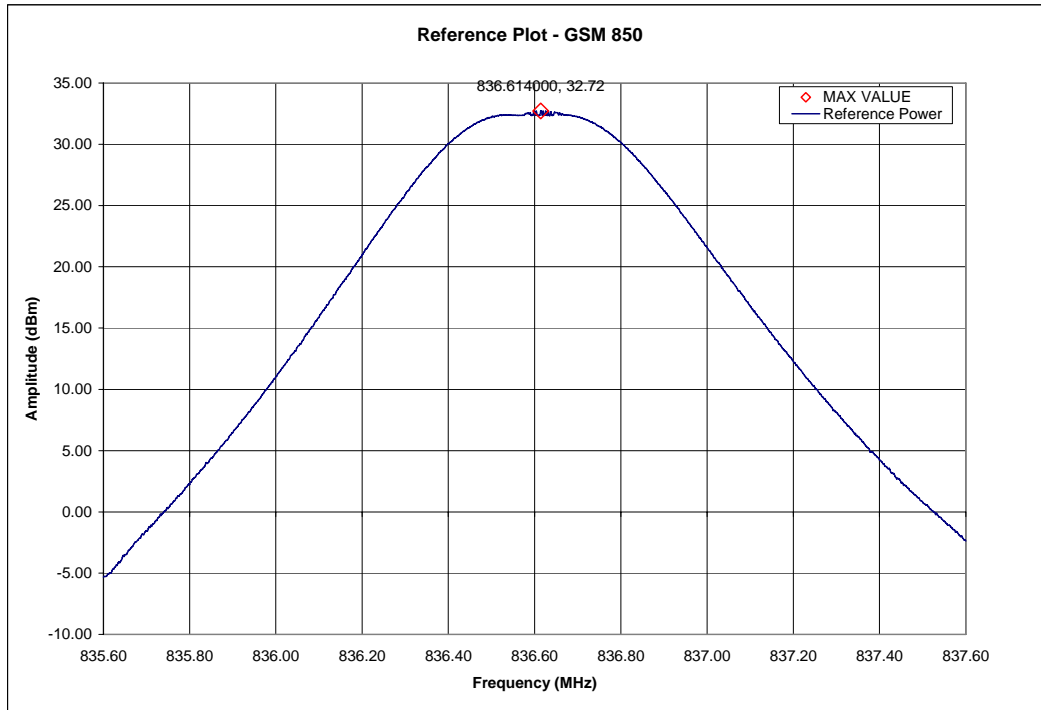
Measurement Results**Measurement Summary**

Band	Value Measured	Value	Units	Frequency (MHz)	Left Marker Frequency (MHz)	Left Marker Level (dBm)	Right Marker Frequency (MHz)	Right Marker Level (dBm)
Cellular	Reference Power	32.72	MHz	836.614000				
Cellular	OCBW	240.60	kHz		836.4791	11.49	836.7197	9.36
Cellular	Lower Band Edge Emissions	-15.36	dBm	823.977500				
Cellular	Upper Band Edge Emissions	-14.80	dBm	849.016500				
PCS	Reference Power	29.64	MHz	1880.010000				
PCS	OCBW	241.80	kHz		1879.8773	6.55	1880.1191	7.55
PCS	Lower Band Edge Emissions	-15.97	dBm	1849.995500				
PCS	Upper Band Edge Emissions	-18.33	dBm	1910.019500				

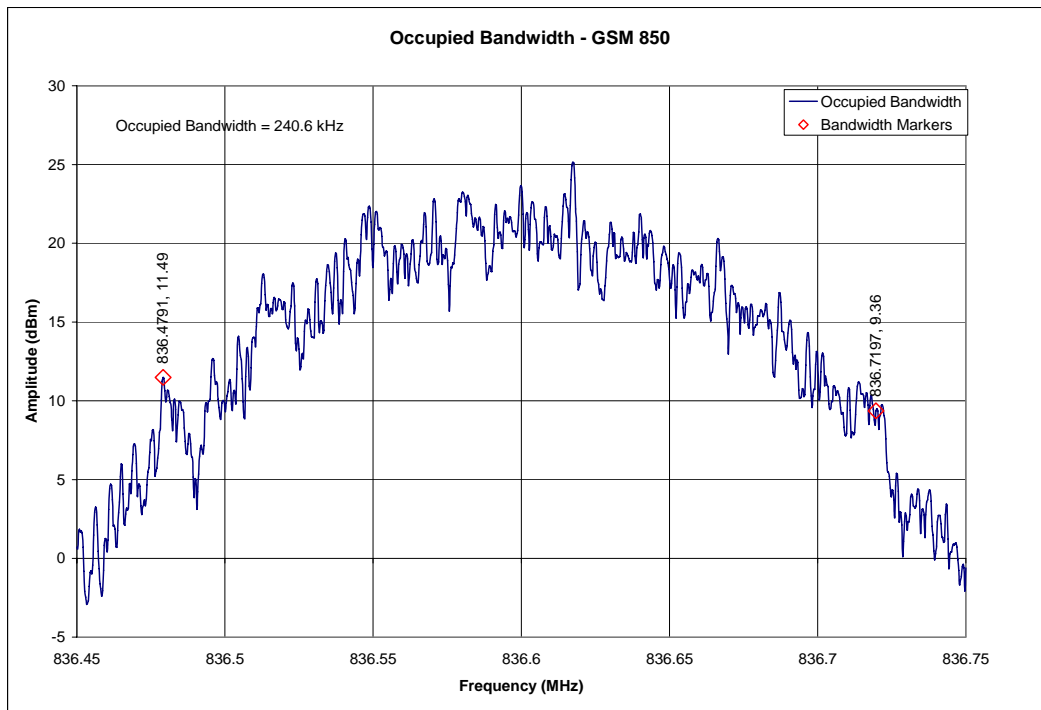
Attached

Measurement Results – GSM 850

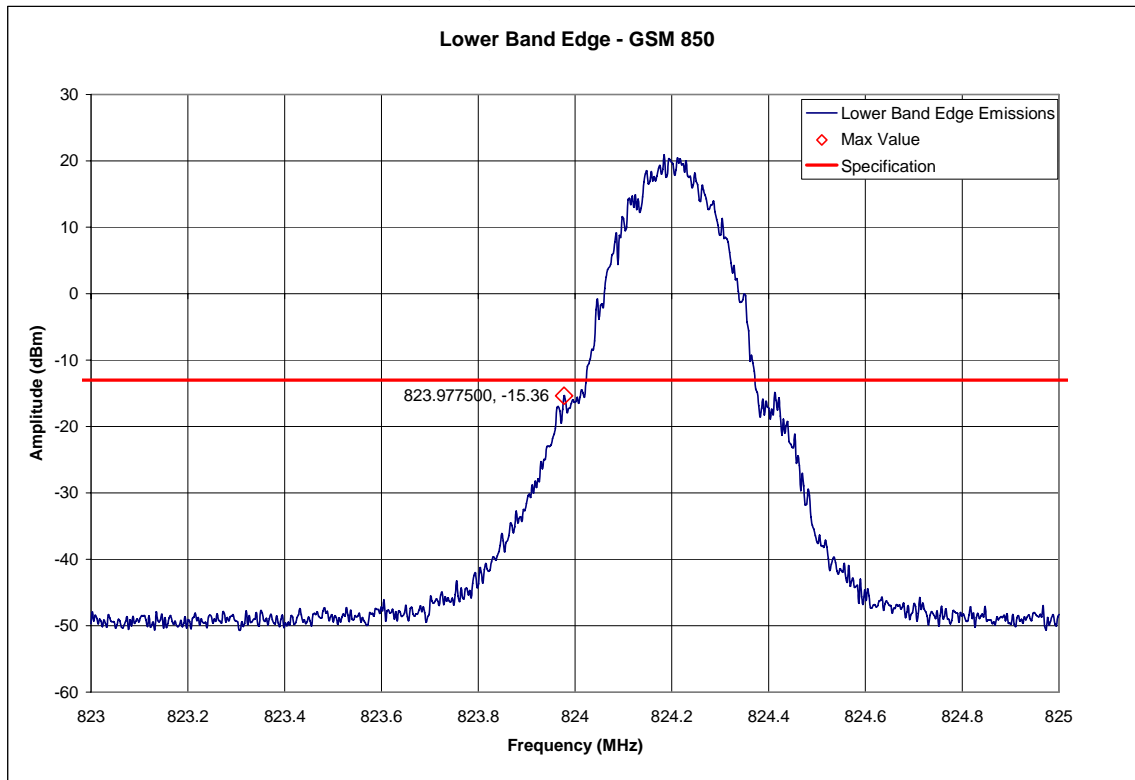
GSM/Cellular 850 Reference Level



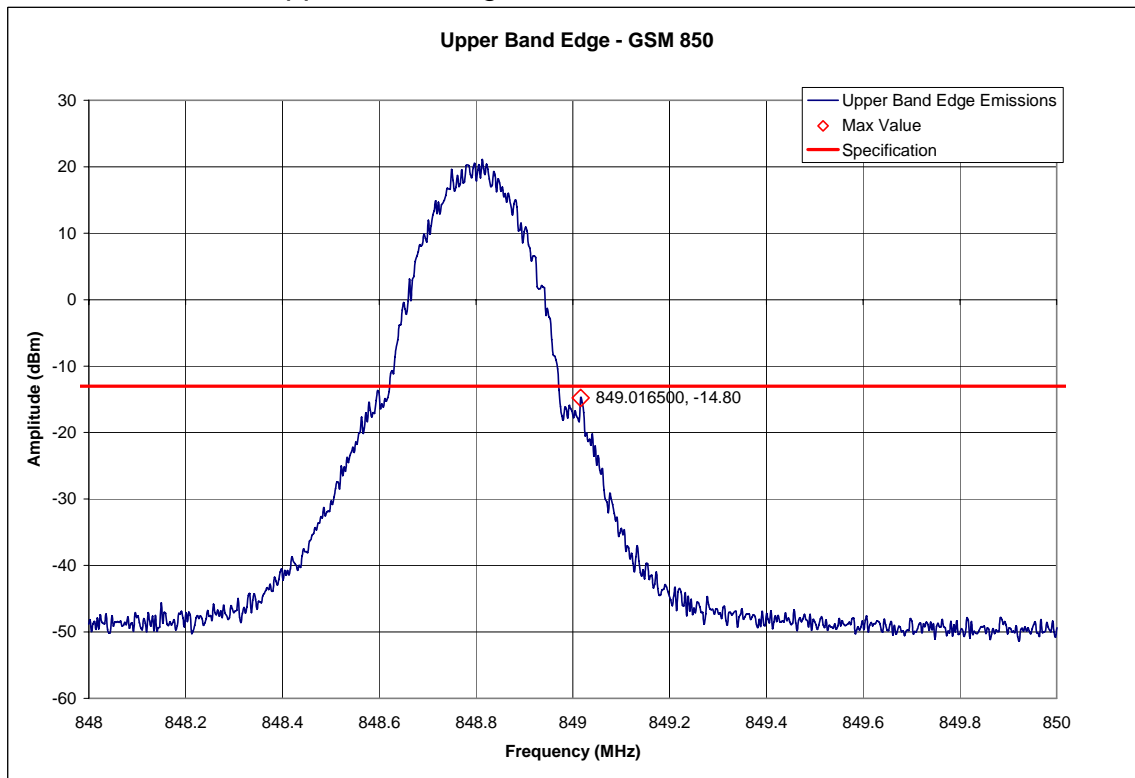
GSM/Cellular 850 Occupied Bandwidth



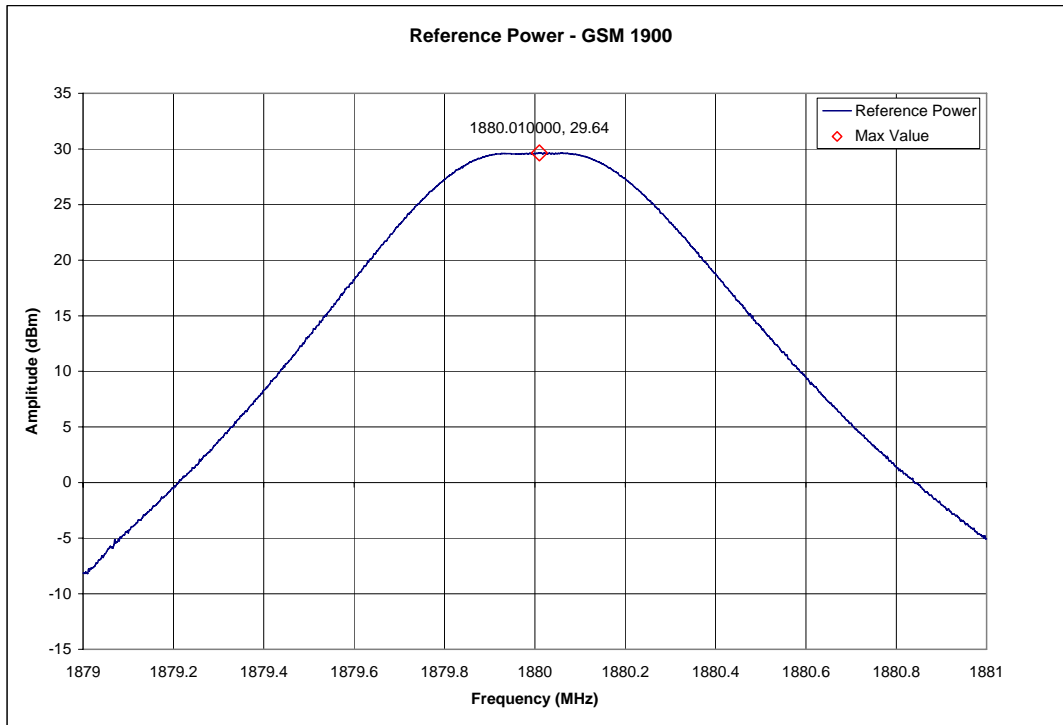
GSM/Cellular 850 Lower Band Edge



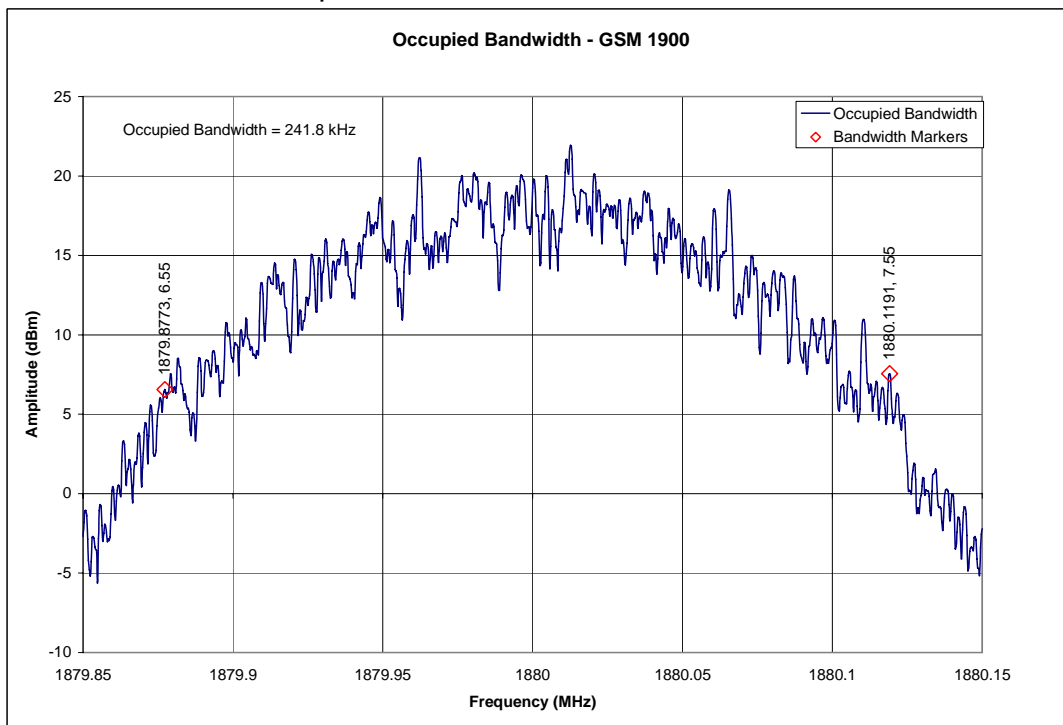
GSM/Cellular 850 Upper Band Edge



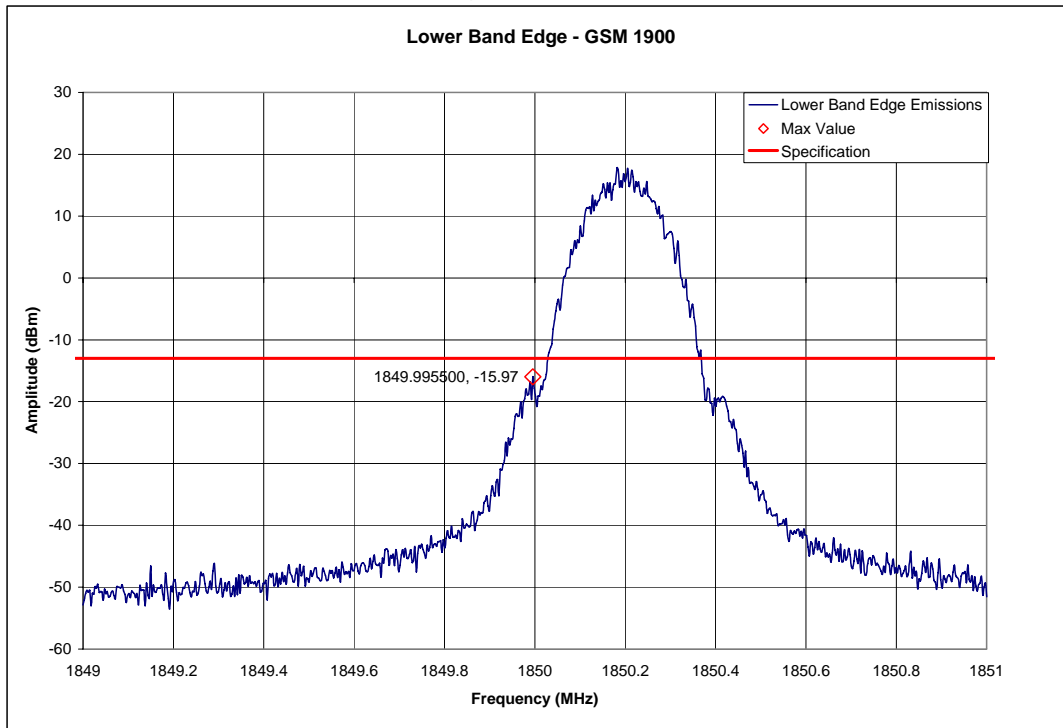
GSM/Cellular 1900 Reference Level



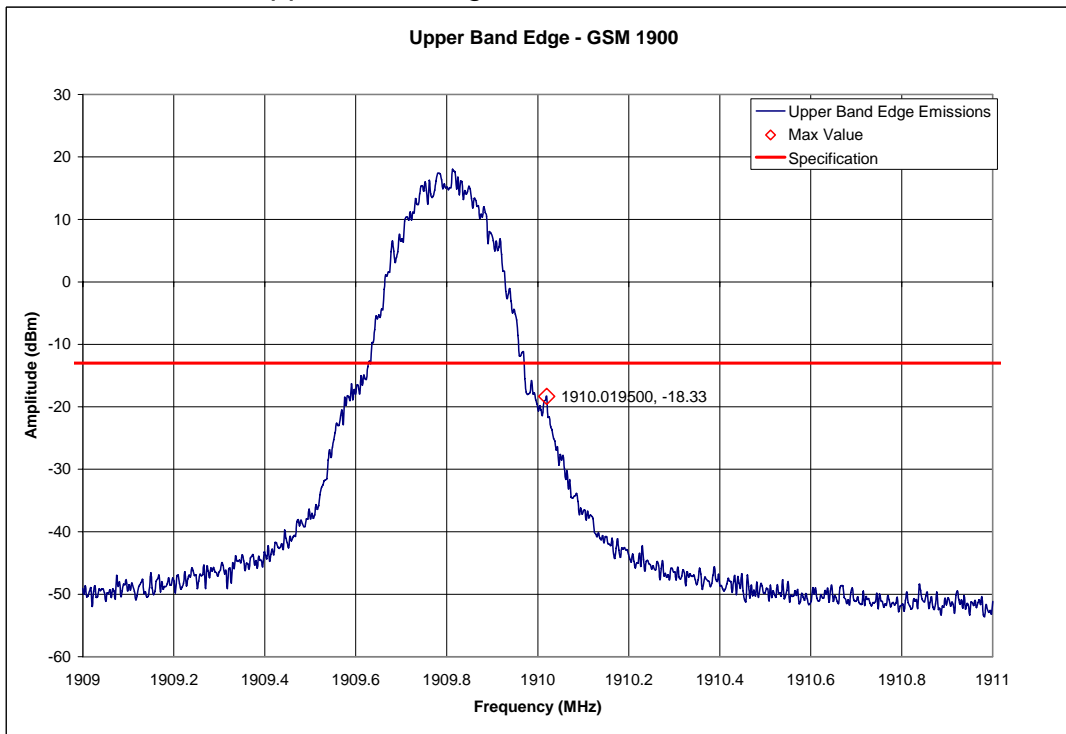
GSM/Cellular 1900 Occupied Bandwidth



GSM/Cellular 1900 Lower Band Edge



GSM/Cellular 1900 Upper Band Edge



SPURIOUS EMISSIONS AT ANTENNA TERMINALS

CFR47 Part 2.1051, 24.238

Measurement Procedure

The RF output port of the Equipment Under Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. A fully charged battery was used for the supply voltage.

The spectrum was investigated from the lowest frequency signal generated, without going below 9 kHz, up to at least the tenth harmonic of the fundamental or 40 GHz, whichever is lower.

Measurements were made at the middle channel within the frequency band and within the base station frequency range (869-894 MHz) for cellular.

The spectrum analyzer settings were as follows:

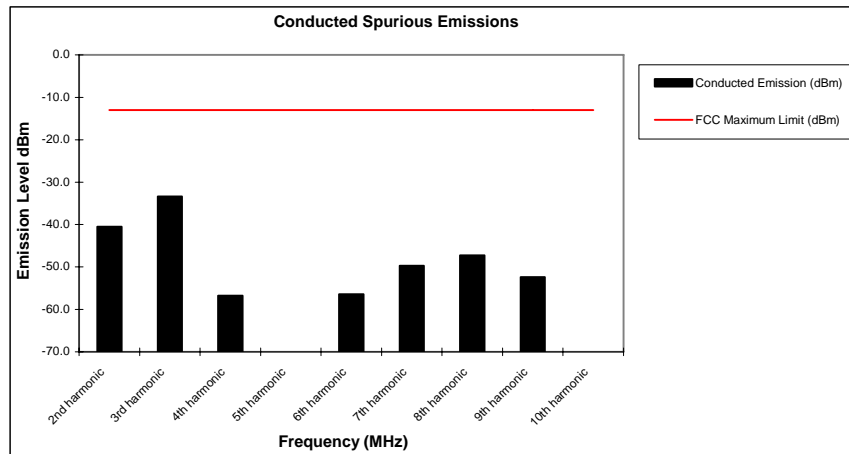
Units	dBm
Divisions	10 dB
Resolution Bandwidth	1 MHz
Video Bandwidth (AVG)	Auto
Sweep Time	Auto

Measurement Results

Attached

Measurement Results**Modulation: GSM 850****Conducted Spurious and Harmonic Emissions**

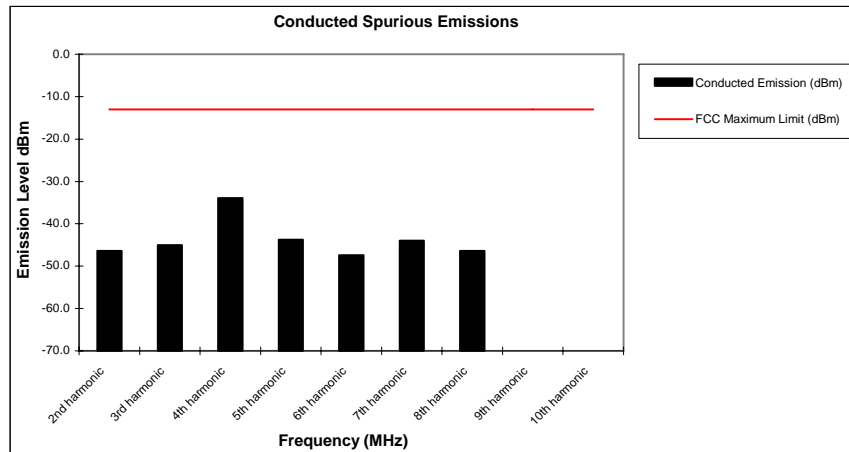
Harmonic of Fundamental	FCC Maximum Limit (dBm)	Conducted Emission (dBm)
2nd harmonic	-13	-40.5
3rd harmonic	-13	-33.4
4th harmonic	-13	-56.7
5th harmonic	-13	*
6th harmonic	-13	-56.4
7th harmonic	-13	-49.7
8th harmonic	-13	-47.3
9th harmonic	-13	-52.4
10th harmonic	-13	*

**Notes:**

1. * Indicates the spurious emission could not be detected due to noise limitations or ambients.
2. Each emission reported reflects the highest absolute level at the specific harmonic for the low, mid, and high channels at maximum power.
3. The Spectrum was investigated from 9 kHz to the tenth harmonic of the fundamental.

Measurement Results**Modulation: GSM 1900****Conducted Spurious and Harmonic Emissions**

Harmonic of Fundamental	FCC Maximum Limit (dBm)	Conducted Emission (dBm)
2nd harmonic	-13	-46.4
3rd harmonic	-13	-45.0
4th harmonic	-13	-34.0
5th harmonic	-13	-43.7
6th harmonic	-13	-47.4
7th harmonic	-13	-44.0
8th harmonic	-13	-46.4
9th harmonic	-13	*
10th harmonic	-13	*

**Notes:**

1. * Indicates the spurious emission could not be detected due to noise limitations or ambients.
2. Each emission reported reflects the highest absolute level at the specific harmonic for the low, mid, and high channels at maximum power.
3. The Spectrum was investigated from 9 kHz to the tenth harmonic of the fundamental.

FREQUENCY STABILITY

CFR47 Part 2.1055, 24.235

Measurement Procedure

The equipment under test is placed in an environmental chamber. The antenna port of the Equipment Under Test is directly coupled to the input of the measurement equipment through a specialized RF connector. A power supply is attached as the primary voltage supply.

Frequency measurements are made at the extremes of the temperature range -30° C to +60° C and at intervals of 10° C with the primary supply voltage set to the nominal battery operating voltage. A period of time sufficient to stabilize all components of the equipment is allowed at each frequency measurement. The maximum variation of frequency is measured.

At room temperature, the primary supply voltage is reduced to the battery operating endpoint of the equipment under test. The maximum variation of frequency is measured. A battery eliminator was used for the input supply voltage.

Measurement Results

Attached

Measurement Results

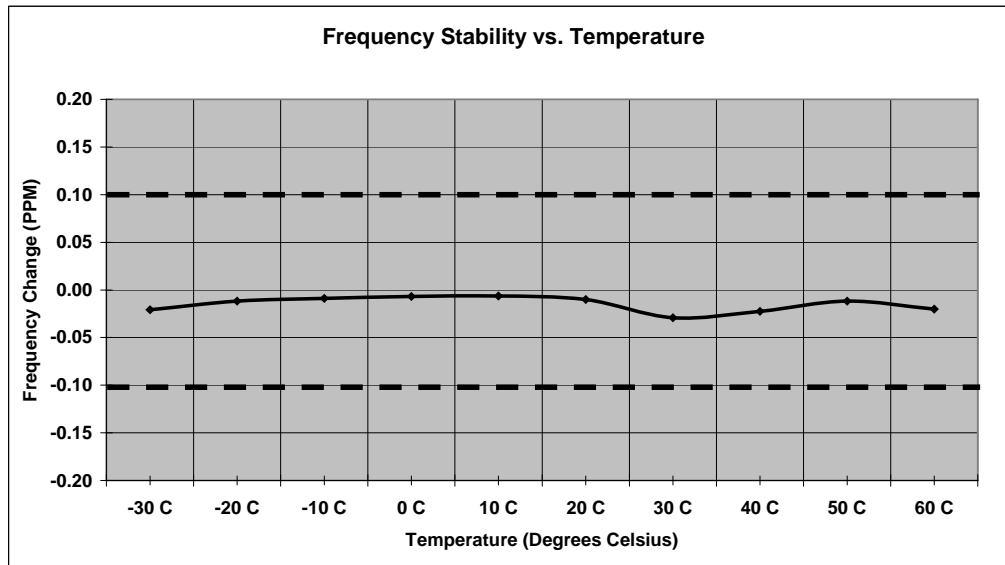
Modulation: GSM 850

Frequency Stability

Mode: GSM 850
Channel: 190

Operating Frequency: 836.6 MHz
Deviation Limit (PPM): 0.1 ppm

Temperature	Frequency Error	Frequency Error	Voltage	Voltage
C	HZ	(PPM)	(%)	(VDC)
-30 C	-39.00	-0.021	100%	3.60
-20 C	-22.00	-0.012	100%	3.60
-10 C	-17.00	-0.009	100%	3.60
0 C	-13.00	-0.007	100%	3.60
10 C	-12.00	-0.006	100%	3.60
20 C	-19.00	-0.010	100%	3.60
30 C	-55.00	-0.029	100%	3.60
40 C	-42.00	-0.022	100%	3.60
50 C	-22.00	-0.012	100%	3.60
60 C	-38.00	-0.020	100%	3.60
20 C	-25.00	-0.013	Battery Endpoint	3.00



Measurement Results

Modulation: GSM 1900

Frequency Stability

Mode: GSM 1900

Operating Frequency: 1880.0 MHz

Channel: 661

Deviation Limit (PPM): 0.1 ppm

Temperature	Frequency Error	Frequency Error	Voltage	Voltage
C	HZ	(PPM)	(%)	(VDC)
-30 C	-75.00	-0.040	100%	3.60
-20 C	-62.00	-0.033	100%	3.60
-10 C	-57.00	-0.030	100%	3.60
0 C	-32.00	-0.017	100%	3.60
10 C	-36.00	-0.019	100%	3.60
20 C	-31.00	-0.016	100%	3.60
30 C	-22.00	-0.012	100%	3.60
40 C	-49.00	-0.026	100%	3.60
50 C	-54.00	-0.029	100%	3.60
60 C	-42.00	-0.022	100%	3.60
20 C	-38.00	-0.020	Battery Endpoint	3.00

