

5.5 Band edge

5.5.1 Limits

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43+10\log(P)$ dB, for all power levels +30 dBm to 0 dBm, this becomes a constant specification limit of -13 dBm.

5.5.2 Test method

The testing follows FCC KDB 971168 D01v03r01 Section 6.0.

The EUT was connected to Spectrum Analyzer and Base Station via power divider.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

The band edges of low and high channels for the highest RF powers were measured.

The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$$

$$= -13\text{dBm.}$$

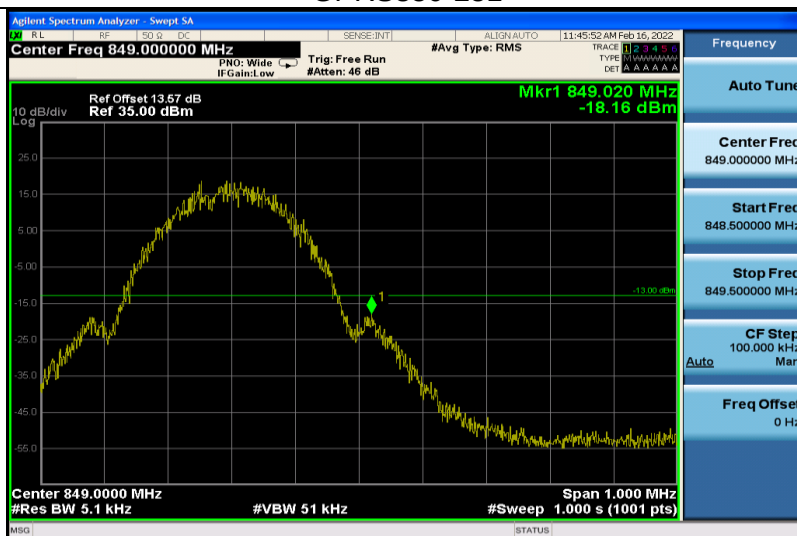
5.5.3 Test result



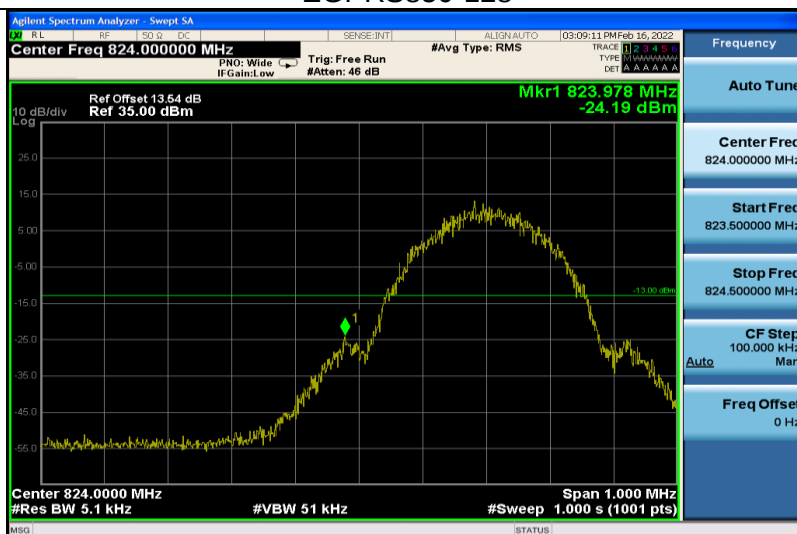
GPRS850-128



GPRS850-251

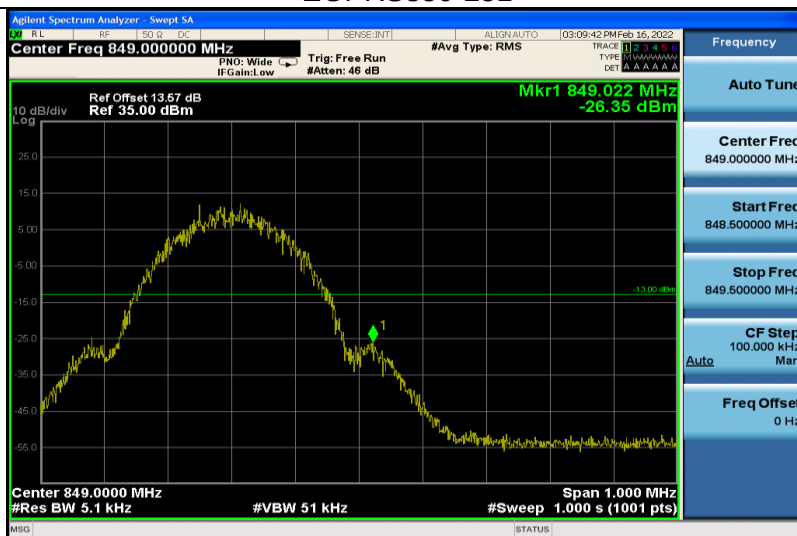


EGPRS850-128

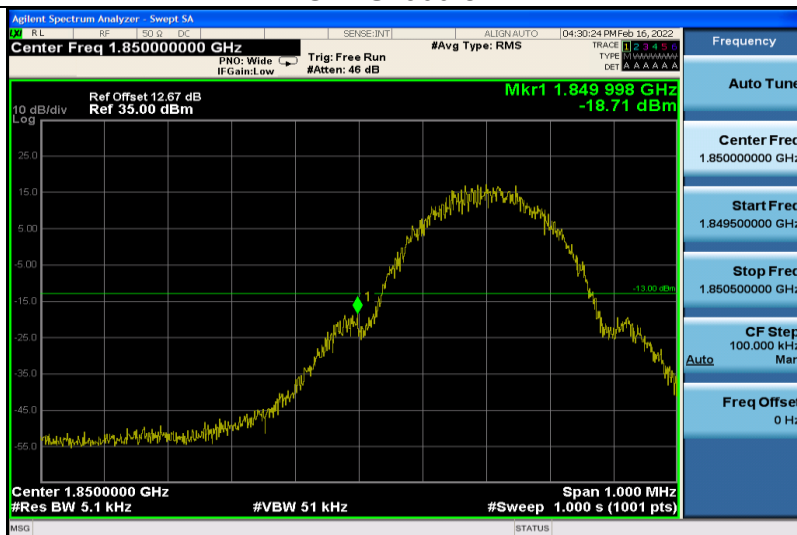




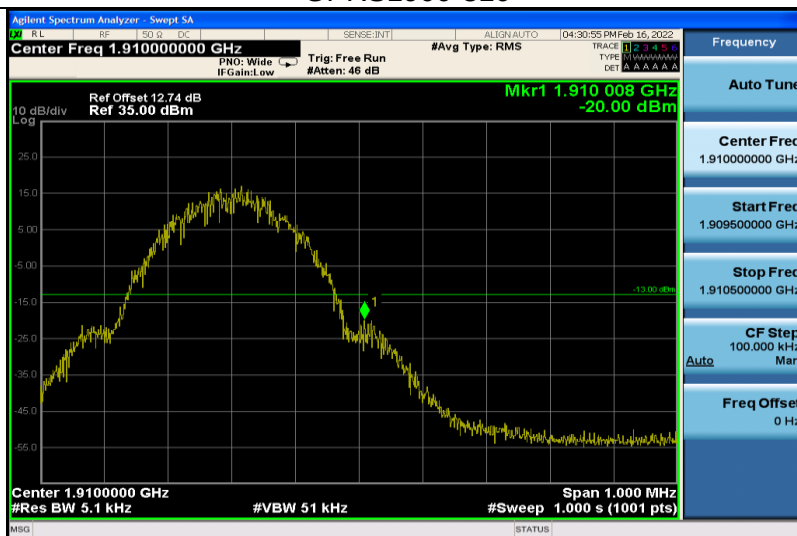
EGPRS850-251



GPRS1900-512

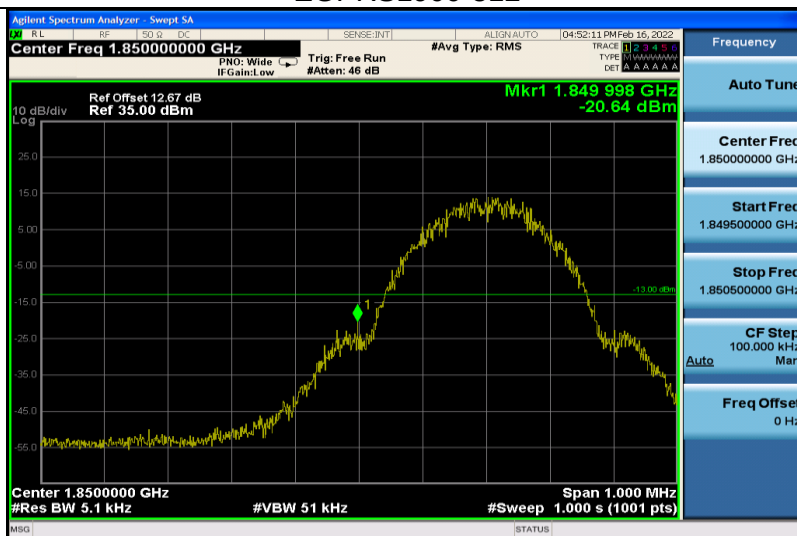


GPRS1900-810

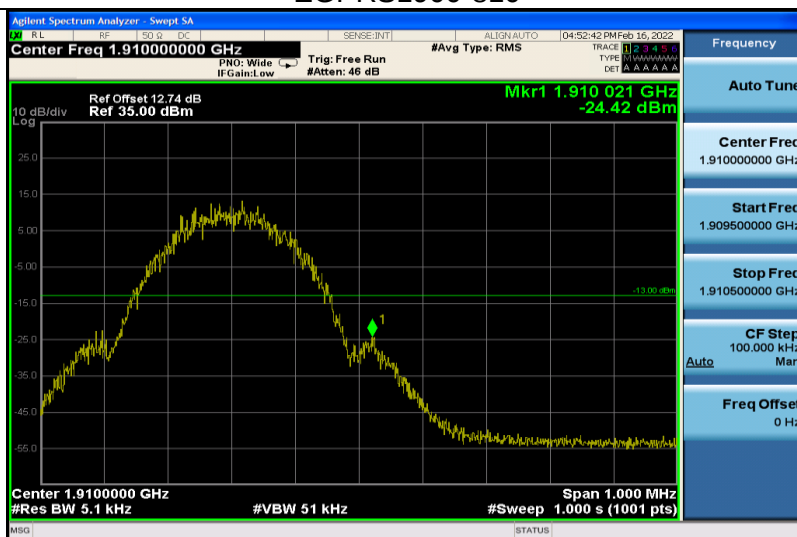




EGPRS1900-512

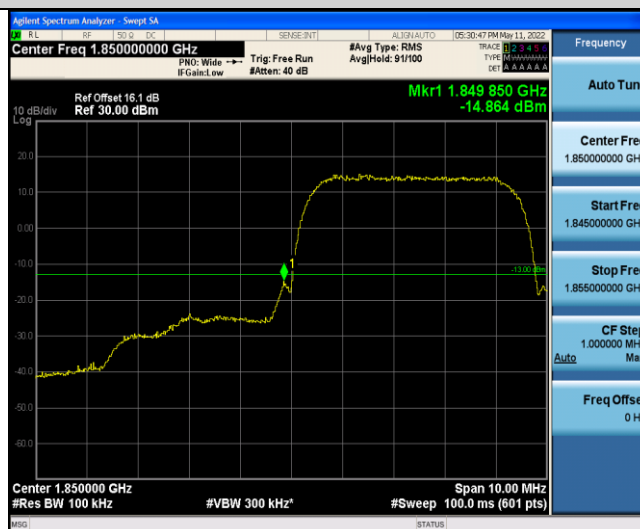


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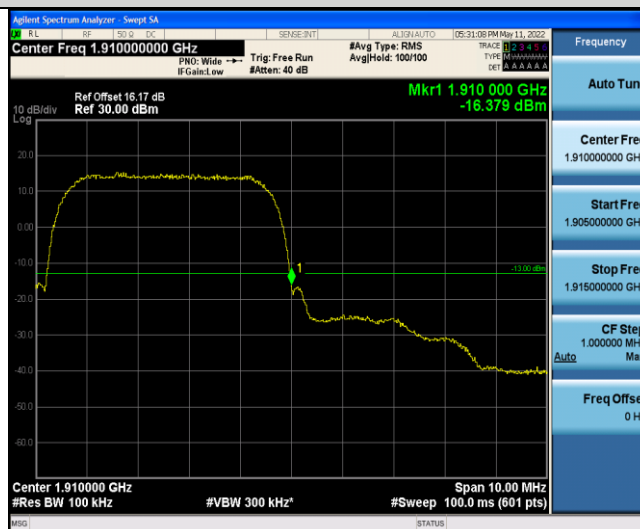




Band2-9262



Band2-9538



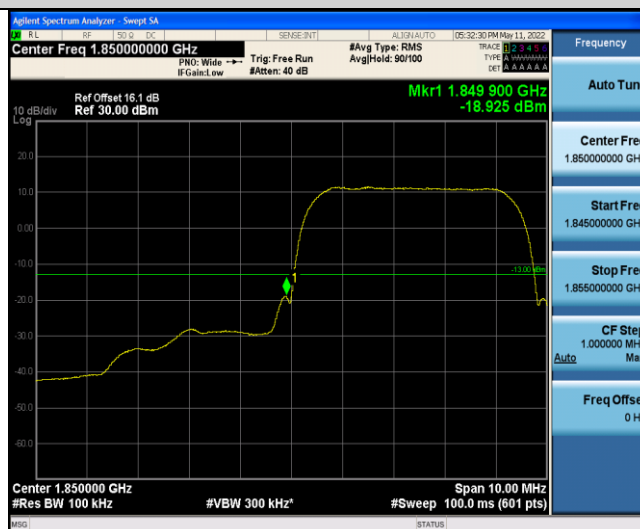
Band5-4132



Band5-4233



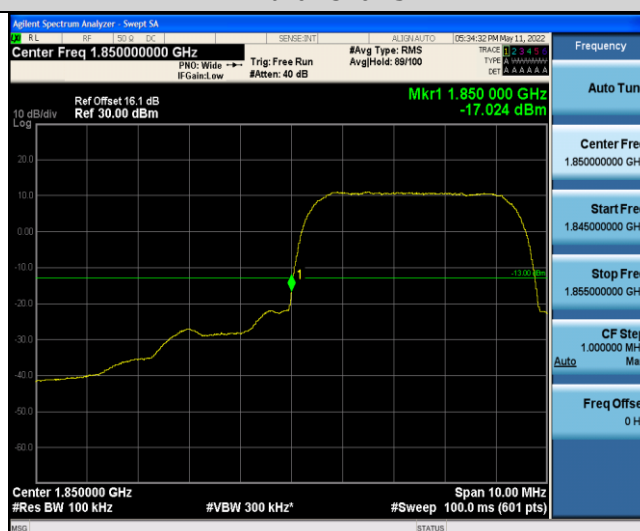
Band2-9262-1



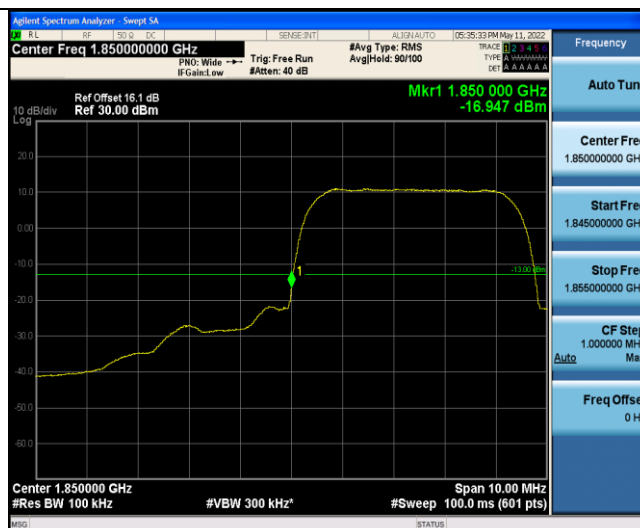
Band2-9262-2



Band2-9262-3



Band2-9262-4



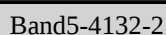
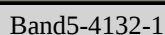
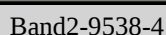
Band2-9538-1



Band2-9538-2



Band2-9538-3





Band5-4132-3



Band5-4132-4



Band5-4233-1



Band5-4233-2



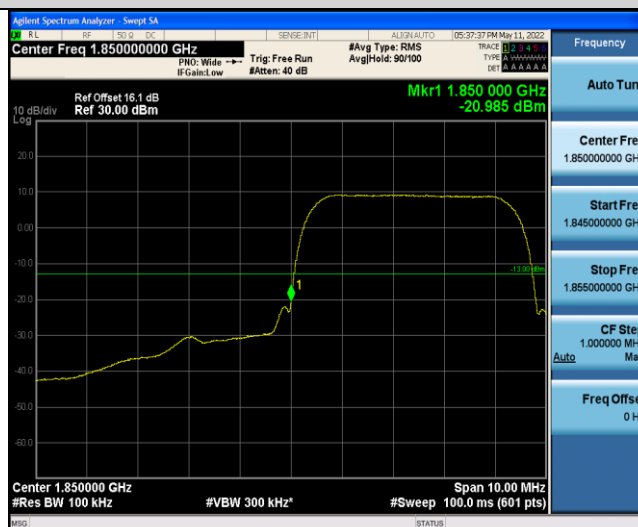
Band5-4233-3



Band5-4233-4



Band2-9262-1



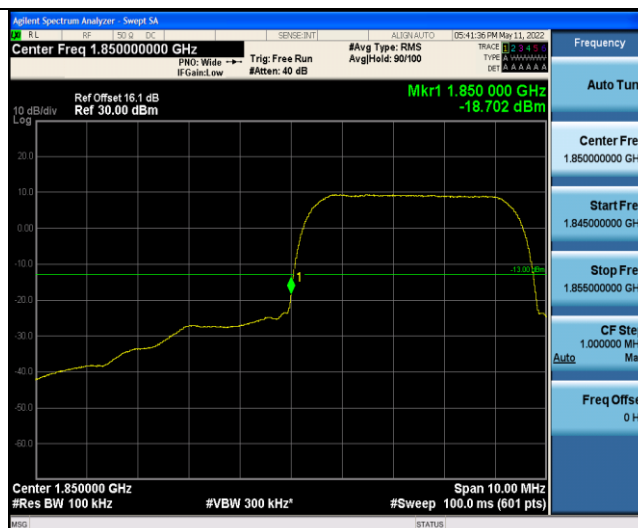
Band2-9262-2



Band2-9262-3



Band2-9262-4



Band2-9262-5



Band2-9538-1



Band2-9538-2



Band2-9538-3



Band2-9538-4



Band2-9538-5



Band5-4132-1



Band5-4132-2



Band5-4132-3



Band5-4132-4



Band5-4132-5



Band5-4233-1



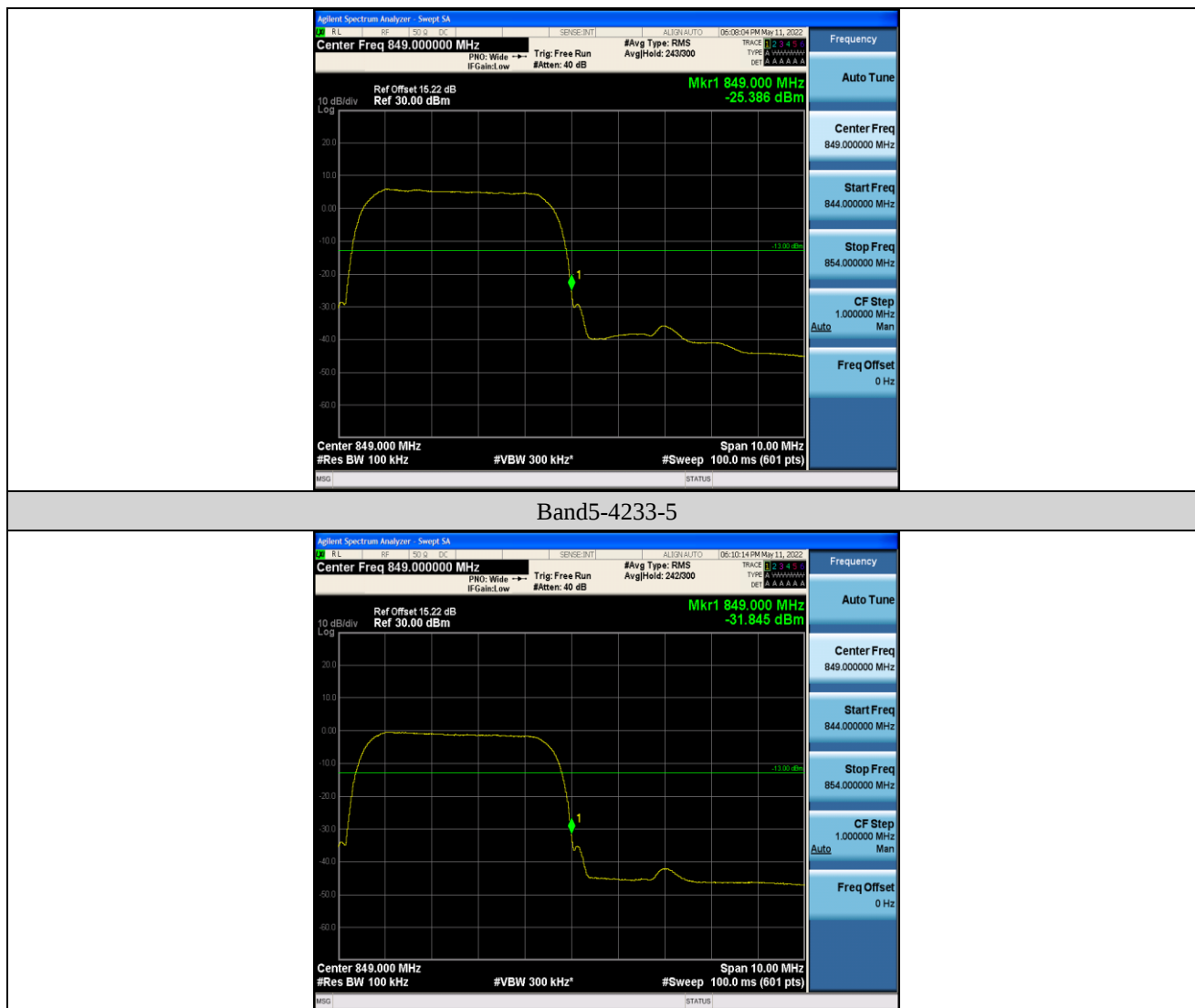
Band5-4233-2



Band5-4233-3



Band5-4233-4



Note: all modes of EUT have been tested; only the data of worst case mode is reported.

5.6 Radiated spurious emission

5.6.1 Limit

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43+10\log(P)$ dB.

5.6.2 Test method

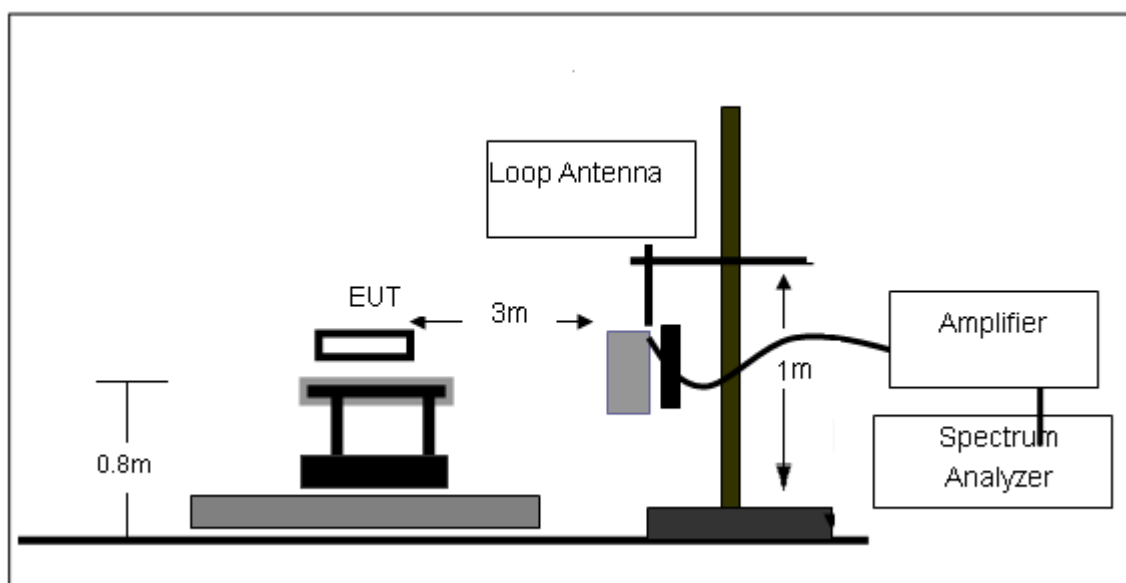
1. The test system setup as show in the block diagram above.
2. The EUT was placed on an non-conductive rotating platform in an anechoic chamber. The radiated spurious emissions from 30MHz to 10th harmonious of fundamental frequency were measured at 3 m with a test antenna and a spectrum analyzer with RBW=1 MHz, VBW=1 MHz, peak detector settings.
3. During the measurement, the EUT was enforced in maximum power and linked with a base station. All the spurious emissions at 3m were measured by rotation of the turntable and the test antenna raised and lowered over a range from 1 to 4 meters in both horizontally and vertically polarized orientations.
4. When found the maximum level of emissions from the EUT. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious emissions in dB= $10 \log(\text{TX power in Watts}/0.001)$ -the absolute level

Spurious attenuation limit in dB= $43+10 \log(\text{power out in Watts})$.

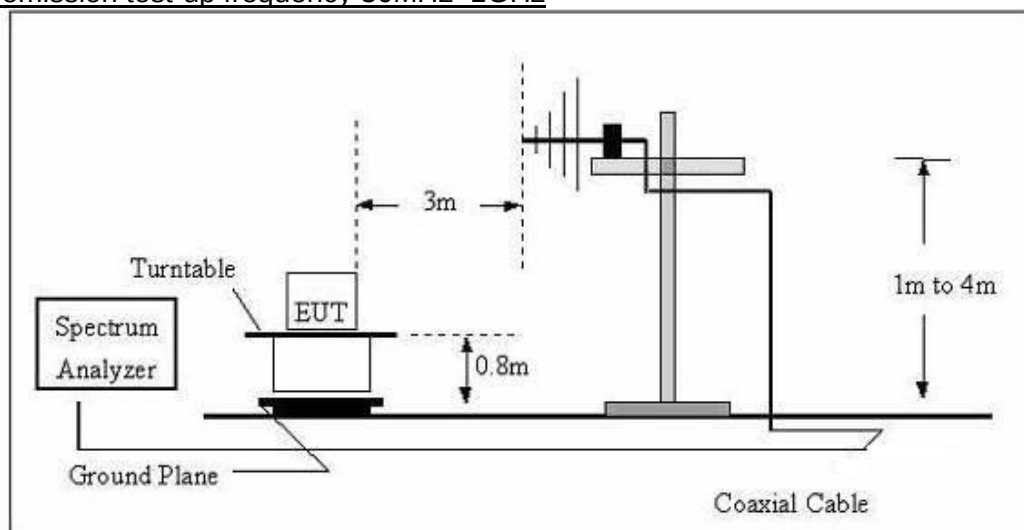
5.6.3 Test setup

Radiated emission test-up frequency below 30MHz

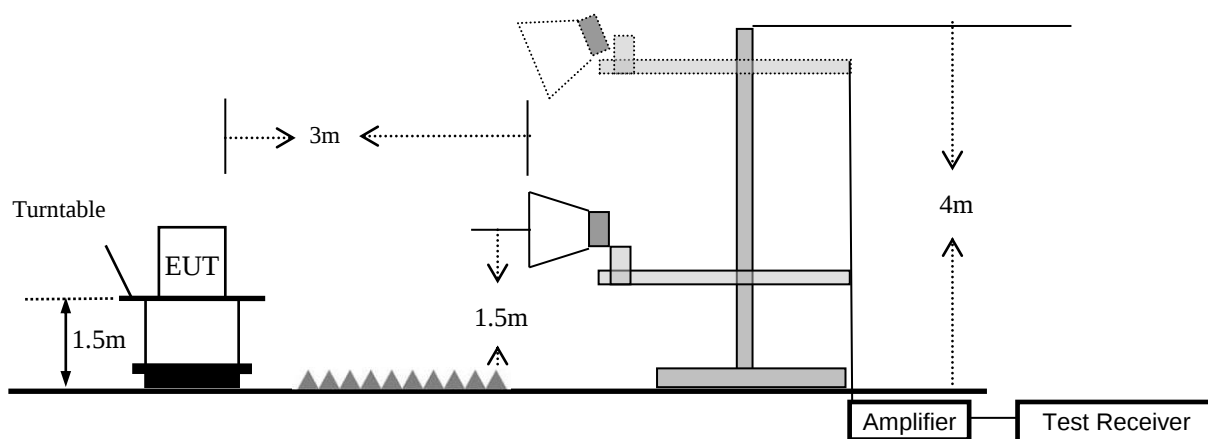




Radiated emission test-up frequency 30MHz~1GHz



Radiated emission test-up frequency above 1GHz



5.6.4 Test Result

For GSM850 (30MHz – 9GHz)

GPRS850_ Low Channel							
Frequency	SG Level	Cable Loss	Antenna Gain	Absolute Level	Limit	Margin	Polarization
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)	H/V
214.2	-54.60	0.44	5.5	-49.54	-13	-36.54	H
497.5	-54.04	0.45	5.9	-48.59	-13	-35.59	H
1648.4	-41.35	5.98	9.11	-38.22	-13	-25.22	H
2472.6	-46.36	6.84	9.56	-43.64	-13	-30.64	H
257.9	-54.46	0.44	5.5	-49.40	-13	-36.40	V
398.3	-54.34	0.45	5.9	-48.89	-13	-35.89	V
1648.4	-36.63	5.98	9.11	-33.50	-13	-20.50	V
2472.6	-42.18	6.84	9.56	-39.46	-13	-26.46	V
GPRS850_ Middle Channel							
Frequency	SG Level	Cable Loss	Antenna Gain	Absolute Level	Limit	Margin	Polarization
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)	H/V
217.9	-53.92	0.44	5.5	-48.86	-13	-35.86	H
367.6	-53.95	0.45	5.9	-48.50	-13	-35.50	H
1673.2	-39.68	5.98	9.11	-36.55	-13	-23.55	H
2509.8	-42.03	6.84	9.56	-39.31	-13	-26.31	H
217.9	-54.55	0.44	5.5	-49.49	-13	-36.49	V
393.3	-54.17	0.45	5.9	-48.72	-13	-35.72	V
1673.2	-35.07	5.98	9.11	-31.94	-13	-18.94	V
2509.8	-37.68	6.84	9.56	-34.96	-13	-21.96	V
GPRS850_ High Channel							
Frequency	SG Level	Cable Loss	Antenna Gain	Absolute Level	Limit	Margin	Polarization
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)	H/V
209.6	-55.39	0.44	5.5	-50.33	-13	-37.33	H
347.1	-54.18	0.45	5.9	-48.73	-13	-35.73	H
1697.6	-45.66	5.98	9.11	-42.53	-13	-29.53	H
2546.4	-50.26	6.84	9.56	-47.54	-13	-34.54	H
217.9	-54.10	0.44	5.5	-49.04	-13	-36.04	V
396.7	-53.65	0.45	5.9	-48.20	-13	-35.20	V
1697.6	-41.51	5.98	9.11	-38.38	-13	-25.38	V
2546.4	-45.4	6.84	9.56	-42.68	-13	-29.68	V

EGPRS850_ Low Channel							
Frequency	SG Level	Cable Loss	Antenna Gain	Absolute Level	Limit	Margin	Polarization
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)	H/V
214.2	-54.29	0.44	5.5	-49.23	-13	-36.23	H
497.5	-54.07	0.45	5.9	-48.62	-13	-35.62	H
1648.4	-41.13	5.98	9.11	-38.00	-13	-25.00	H
2472.6	-45.91	6.84	9.56	-43.19	-13	-30.19	H
257.9	-54.33	0.44	5.5	-49.27	-13	-36.27	V
398.3	-53.89	0.45	5.9	-48.44	-13	-35.44	V
1648.4	-37.02	5.98	9.11	-33.89	-13	-20.89	V
2472.6	-41.48	6.84	9.56	-38.76	-13	-25.76	V
EGPRS850_ Middle Channel							
Frequency	SG Level	Cable Loss	Antenna Gain	Absolute Level	Limit	Margin	Polarization
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)	H/V
217.9	-54.33	0.44	5.5	-49.27	-13	-36.27	H
367.6	-53.91	0.45	5.9	-48.46	-13	-35.46	H
1673.2	-39.68	5.98	9.11	-36.55	-13	-23.55	H
2509.8	-42.03	6.84	9.56	-39.31	-13	-26.31	H
217.9	-54.55	0.44	5.5	-49.49	-13	-36.49	V
393.3	-54.82	0.45	5.9	-49.37	-13	-36.37	V
1673.2	-35.07	5.98	9.11	-31.94	-13	-18.94	V
2509.8	-37.68	6.84	9.56	-34.96	-13	-21.96	V
EGPRS850_ High Channel							
Frequency	SG Level	Cable Loss	Antenna Gain	Absolute Level	Limit	Margin	Polarization
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)	H/V
209.6	-55.49	0.44	5.5	-50.43	-13	-37.43	H
347.1	-54.32	0.45	5.9	-48.87	-13	-35.87	H
1697.6	-45.66	5.98	9.11	-42.53	-13	-29.53	H
2546.4	-50.26	6.84	9.56	-47.54	-13	-34.54	H
217.9	-54.63	0.44	5.5	-49.57	-13	-36.57	V
396.7	-53.73	0.45	5.9	-48.28	-13	-35.28	V
1697.6	-41.51	5.98	9.11	-38.38	-13	-25.38	V
2546.4	-45.4	6.84	9.56	-42.68	-13	-29.68	V



For GSM1900(30MHz – 26.5GHz)

GPRS1900_ Low Channel							
Frequency	SG Level	Cable Loss	Antenna Gain	Absolute Level	Limit	Margin	Polarization
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)	H/V
351.6	-55.79	0.44	5.5	-50.73	-13	-37.73	H
536.1	-53.80	0.45	5.9	-48.35	-13	-35.35	H
3700.4	-42.50	5.26	9.88	-37.88	-13	-24.88	H
5550.6	-46.49	6.11	11.36	-41.24	-13	-28.24	H
351.6	-55.42	0.44	5.5	-50.36	-13	-37.36	V
536.1	-54.60	0.45	5.9	-49.15	-13	-36.15	V
3700.4	-45.05	5.26	9.88	-40.43	-13	-27.43	V
5550.6	-48.36	6.11	11.36	-43.11	-13	-30.11	V
GPRS1900_ Middle Channel							
Frequency	SG Level	Cable Loss	Antenna Gain	Absolute Level	Limit	Margin	Polarization
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)	H/V
351.6	-55.61	0.44	5.5	-50.55	-13	-37.55	H
536.1	-54.03	0.45	5.9	-48.58	-13	-35.58	H
3760	-39.78	5.26	9.88	-35.16	-13	-22.16	H
5640	-44.38	6.11	11.36	-39.13	-13	-26.13	H
351.6	-55.87	0.44	5.5	-50.81	-13	-37.81	V
536.1	-54.57	0.45	5.9	-49.12	-13	-36.12	V
3760	-42.40	5.26	9.88	-37.78	-13	-24.78	V
5640	-46.43	6.11	11.36	-41.18	-13	-28.18	V
GPRS1900_ High Channel							
Frequency	SG Level	Cable Loss	Antenna Gain	Absolute Level	Limit	Margin	Polarization
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)	H/V
351.6	-55.43	0.44	5.5	-50.37	-13	-37.37	H
536.1	-53.84	0.45	5.9	-48.39	-13	-35.39	H
3819.6	-46.37	5.26	9.88	-41.75	-13	-28.75	H
5729.4	-48.51	6.11	11.36	-43.26	-13	-30.26	H
351.6	-55.77	0.44	5.5	-50.71	-13	-37.71	V
536.1	-54.42	0.45	5.9	-48.97	-13	-35.97	V
3819.6	-48.43	5.26	9.88	-43.81	-13	-30.81	V
5729.4	-47.80	6.11	11.36	-42.55	-13	-29.55	V

EGPRS1900_ Low Channel							
Frequency	SG Level	Cable Loss	Antenna Gain	Absolute Level	Limit	Margin	Polarization
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)	H/V
351.6	-55.48	0.44	5.5	-50.42	-13	-37.42	H
536.1	-54.71	0.45	5.9	-49.26	-13	-36.26	H
3700.4	-42.38	5.26	9.88	-37.76	-13	-24.76	H
5550.6	-46.58	6.11	11.36	-41.33	-13	-28.33	H
351.6	-55.40	0.44	5.5	-50.34	-13	-37.34	V
536.1	-54.13	0.45	5.9	-48.68	-13	-35.68	V
3700.4	-44.44	5.26	9.88	-39.82	-13	-26.82	V
5550.6	-49.23	6.11	11.36	-43.98	-13	-30.98	V
EGPRS1900_ Middle Channel							
Frequency	SG Level	Cable Loss	Antenna Gain	Absolute Level	Limit	Margin	Polarization
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)	H/V
351.6	-55.95	0.44	5.5	-50.89	-13	-37.89	H
536.1	-54.43	0.45	5.9	-48.98	-13	-35.98	H
3760	-39.91	5.26	9.88	-35.29	-13	-22.29	H
5640	-44.17	6.11	11.36	-38.92	-13	-25.92	H
351.6	-55.66	0.44	5.5	-50.60	-13	-37.60	V
536.1	-53.98	0.45	5.9	-48.53	-13	-35.53	V
3760	-43.16	5.26	9.88	-38.54	-13	-25.54	V
5640	-47.31	6.11	11.36	-42.06	-13	-29.06	V
EGPRS1900_ High Channel							
Frequency	SG Level	Cable Loss	Antenna Gain	Absolute Level	Limit	Margin	Polarization
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)	H/V
351.6	-55.41	0.44	5.5	-50.35	-13	-37.35	H
536.1	-54.49	0.45	5.9	-49.04	-13	-36.04	H
3819.6	-46.71	5.26	9.88	-42.09	-13	-29.09	H
5729.4	-49.11	6.11	11.36	-43.86	-13	-30.86	H
351.6	-55.62	0.44	5.5	-50.56	-13	-37.56	V
536.1	-54.05	0.45	5.9	-48.60	-13	-35.60	V
3819.6	-49.10	5.26	9.88	-44.48	-13	-31.48	V
5729.4	-47.53	6.11	11.36	-42.28	-13	-29.28	V



For Band II (30MHz – 26.5GHz)

WCDMA Band II _ Low Channel							
Frequency	SG Level	Cable Loss	Antenna Gain	Absolute Level	Limit	Margin	Polarization
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)	H/V
257.9	-54.81	0.44	5.5	-49.75	-13	-36.75	H
398.3	-54.56	0.45	5.9	-49.11	-13	-36.11	H
3704.8	-44.44	5.26	9.88	-39.82	-13	-26.82	H
5557.2	-48.60	6.11	11.36	-43.35	-13	-30.35	H
257.3	-54.04	0.44	5.5	-48.98	-13	-35.98	V
398.7	-54.19	0.45	5.9	-48.74	-13	-35.74	V
3704.8	-50.20	5.26	9.88	-45.58	-13	-32.58	V
5557.2	-55.61	6.11	11.36	-50.36	-13	-37.36	V
WCDMA Band II _ Middle Channel							
Frequency	SG Level	Cable Loss	Antenna Gain	Absolute Level	Limit	Margin	Polarization
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)	H/V
217.4	-53.86	0.44	5.5	-48.80	-13	-35.80	H
378.9	-55.17	0.45	5.9	-49.72	-13	-36.72	H
3760	-38.94	5.32	10.03	-34.23	-13	-21.23	H
5640	-47.82	6.19	11.41	-42.60	-13	-29.60	H
217.4	-53.36	0.44	5.5	-48.30	-13	-35.30	V
378.9	-53.72	0.45	5.9	-48.27	-13	-35.27	V
3760	-46.77	5.32	10.03	-42.06	-13	-29.06	V
5640	-54.23	6.19	11.41	-49.01	-13	-36.01	V
WCDMA Band II _ High Channel							
Frequency	SG Level	Cable Loss	Antenna Gain	Absolute Level	Limit	Margin	Polarization
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)	H/V
257.9	-54.60	0.44	5.5	-49.54	-13	-36.54	H
398.3	-54.16	0.45	5.9	-48.71	-13	-35.71	H
3815.2	-49.49	5.36	9.62	-45.23	-13	-32.23	H
5722.8	-53.64	6.24	11.46	-48.42	-13	-35.42	H
257.3	-53.56	0.44	5.5	-48.50	-13	-35.50	V
398.7	-53.45	0.45	5.9	-48.00	-13	-35.00	V
3815.2	-53.46	5.36	9.62	-49.20	-13	-36.20	V
5722.8	-57.03	6.24	11.46	-51.81	-13	-38.81	V



For Band V (30MHz – 26.5GHz)

WCDMA Band V _ Low Channel							
Frequency	SG Level	Cable Loss	Antenna Gain	Absolute Level	Limit	Margin	Polarization
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)	H/V
257.9	-54.47	0.44	5.5	-49.41	-13	-36.41	H
398.3	-54.24	0.45	5.9	-48.79	-13	-35.79	H
1652.8	-46.55	3.86	8.56	-41.85	-13	-28.85	H
2479.2	-47.89	4.29	6.98	-45.20	-13	-32.20	H
257.3	-53.97	0.44	5.5	-48.91	-13	-35.91	V
398.7	-53.84	0.45	5.9	-48.39	-13	-35.39	V
1652.8	-41.47	3.86	8.56	-36.77	-13	-23.77	V
2479.2	-41.04	4.29	6.98	-38.35	-13	-25.35	V
WCDMA Band V _ Middle Channel							
Frequency	SG Level	Cable Loss	Antenna Gain	Absolute Level	Limit	Margin	Polarization
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)	H/V
257.9	-54.48	0.44	5.5	-49.42	-13	-36.42	H
398.3	-54.26	0.45	5.9	-48.81	-13	-35.81	H
1672.8	-44.05	3.9	8.58	-39.37	-13	-26.37	H
2509.2	-44.59	4.32	6.8	-42.11	-13	-29.11	H
257.3	-54.07	0.44	5.5	-49.01	-13	-36.01	V
398.7	-53.82	0.45	5.9	-48.37	-13	-35.37	V
1672.8	-38.13	3.9	8.58	-33.45	-13	-20.45	V
2509.2	-42.42	4.32	6.8	-39.94	-13	-26.94	V
WCDMA Band V _ High Channel							
Frequency	SG Level	Cable Loss	Antenna Gain	Absolute Level	Limit	Margin	Polarization
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)	H/V
257.9	-55.69	0.44	5.5	-50.63	-13	-37.63	H
398.3	-53.84	0.45	5.9	-48.39	-13	-35.39	H
1693.2	-46.77	3.91	9.06	-41.62	-13	-28.62	H
2539.8	-48.59	4.32	6.65	-46.26	-13	-33.26	H
257.3	-54.52	0.44	5.5	-49.46	-13	-36.46	V
398.7	-53.83	0.45	5.9	-48.38	-13	-35.38	V
1693.2	-43.93	3.91	9.06	-38.78	-13	-25.78	V
2539.8	-44.82	4.32	6.65	-42.49	-13	-29.49	V

Note: All the configuration was tested and only the worse case was reported

5.7 Frequency stability

5.7.1 Limit

For FCC part 22.355: the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances 2.5ppm for mobile $\leq 3W$ condition.

For FCC part 24.235: The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

5.7.2 Test method

Test Procedures for Temperature Variation:

1. The EUT was set up in the thermal chamber and connected with the base station.
2. With power off, the temperature was decreased to -30°C and the EUT was stabilized for three hours. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power off, the temperature was raised in 10°C set up to 50°C and the EUT was stabilized for three hours. Power was applied and the maximum change in frequency was recorded within one minute.
4. measure the carrier frequency error.

Test Procedures for Voltage Variation:

1. The EUT was placed in a temperature chamber at $25\pm 5^{\circ}\text{C}$ and connected with the base station.
2. Reduce the primary supply voltage to the battery operating end point.
3. measure the carrier frequency error.

5.7.3 Test Result

Frequency Error Against Voltage for GPRS 850 band		
Voltage (V)	Frequency Error (Hz)	Frequency Error (ppm)
4.5	22.65	0.0271
5	26.12	0.0312
5.5	19.67	0.0235

Frequency Error Against Temperature for GPRS 850 band		
Temperature ($^{\circ}\text{C}$)	Frequency Error (Hz)	Frequency Error (ppm)
-30	31.61	0.0378
-20	27.00	0.0323
-10	28.56	0.0341
0	24.96	0.0298
10	22.67	0.0271
20	22.19	0.0265
30	15.98	0.0191
40	24.78	0.0296
50	30.77	0.0368



Frequency Error Against Voltage for EGPRS 850 band		
Voltage (V)	Frequency Error (Hz)	Frequency Error (ppm)
4.5	26.60	0.0318
5	23.36	0.0279
5.5	34.49	0.0412

Frequency Error Against Temperature for EGPRS 850 band		
Temperature (°C)	Frequency Error (Hz)	Frequency Error (ppm)
-30	33.21	0.0397
-20	29.14	0.0348
-10	27.52	0.0329
0	42.54	0.0508
10	27.80	0.0332
20	30.46	0.0364
30	26.22	0.0313
40	20.96	0.0250
50	24.83	0.0297



Frequency Error Against Voltage for GPRS 1900 band		
Voltage (V)	Frequency Error (Hz)	Frequency Error (ppm)
4.5	34.88	0.0186
5	28.95	0.0154
5.5	32.46	0.0173

Frequency Error Against Temperature for GPRS 1900 band		
Temperature (°C)	Frequency Error (Hz)	Frequency Error (ppm)
-30	34.47	0.0183
-20	30.76	0.0164
-10	28.26	0.0150
0	27.61	0.0147
10	23.22	0.0123
20	36.34	0.0193
30	28.15	0.0150
40	23.58	0.0125
50	15.26	0.0081



Frequency Error Against Voltage for EGPRS 1900 band		
Voltage (V)	Frequency Error (Hz)	Frequency Error (ppm)
4.5	31.60	0.0168
5	21.52	0.0114
5.5	18.32	0.0097

Frequency Error Against Temperature for EGPRS 1900 band		
Temperature (°C)	Frequency Error (Hz)	Frequency Error (ppm)
-30	32.81	0.0174
-20	27.30	0.0145
-10	24.39	0.0130
0	17.90	0.0095
10	23.96	0.0127
20	27.36	0.0146
30	35.86	0.0191
40	21.16	0.0113
50	17.51	0.0093

Frequency Error Against Voltage for WCDMA band II		
Voltage (V)	Frequency Error (Hz)	Frequency Error (ppm)
4.5	12.98	0.0069
5	19.42	0.0103
5.5	24.85	0.0132

Frequency Error Against Temperature for WCDMA band II		
Temperature (°C)	Frequency Error (Hz)	Frequency Error (ppm)
-30	21.61	0.0280
-20	23.57	0.0300
-10	37.53	0.0200
0	15.74	0.0084
10	34.29	0.0182
20	29.35	0.0156
30	30.59	0.0163
40	36.00	0.0191
50	22.70	0.0121



Frequency Error Against Voltage for WCDMA band V		
Voltage (V)	Frequency Error (Hz)	Frequency Error (ppm)
4.5	24.75	0.0296
5	19.14	0.0229
5.5	13.00	0.0155

Frequency Error Against Temperature for WCDMA band V		
Temperature (°C)	Frequency Error (Hz)	Frequency Error (ppm)
-30	22.57	
-20	25.16	
-10	33.75	0.0404
0	27.45	0.0328
10	31.65	0.0378
20	25.93	0.0310
30	21.19	0.0253
40	18.26	0.0218
50	14.78	0.0177

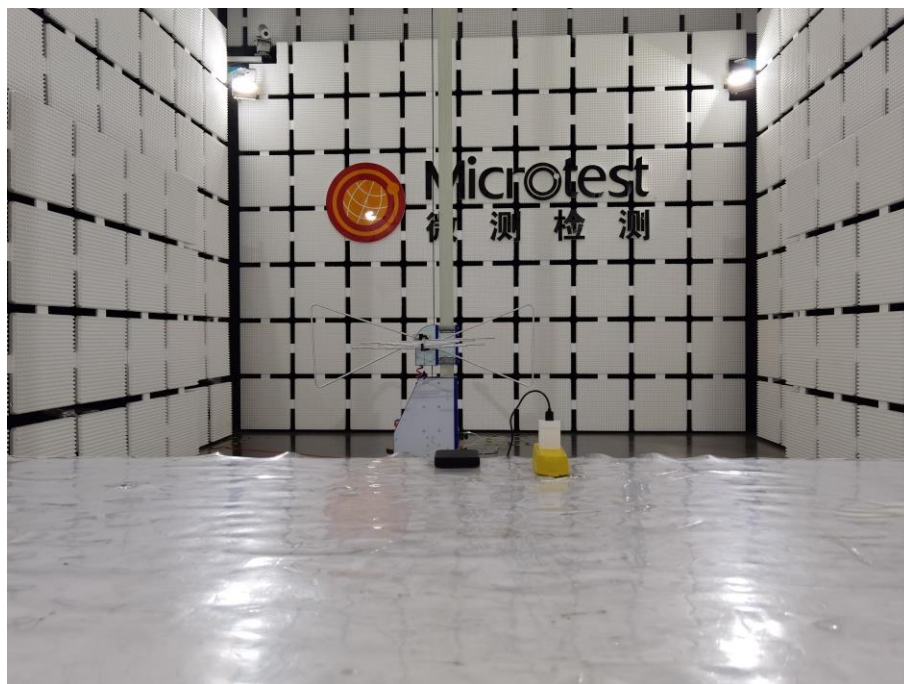
Note:

1. Normal Voltage = 5V; Battery End Point (BEP) = 4.5V; Maximum Voltage =5.5V
2. All modes of EUT have been tested; only the data of worst case mode is reported.



Photographs of the Test Setup

Radiated emission





Photographs of the EUT

See the APPENDIX 1- EUT PHOTO.

----END OF REPORT----