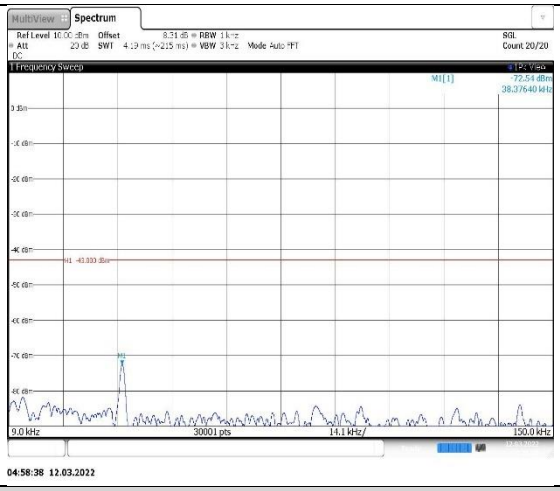
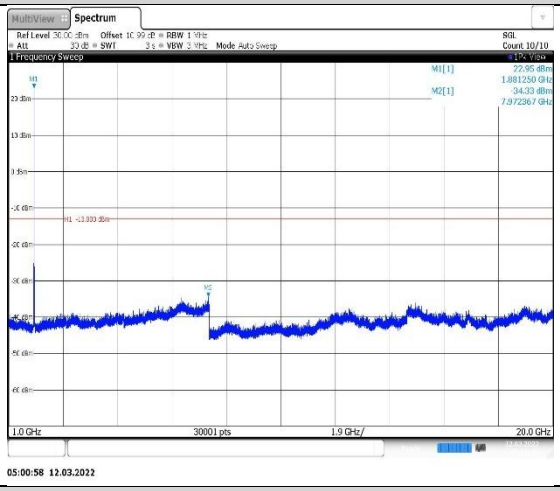
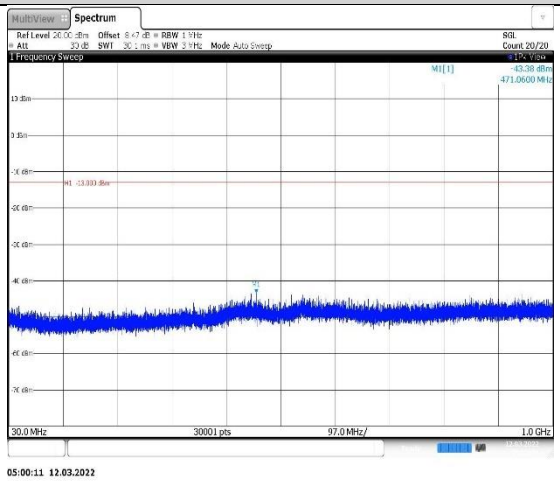


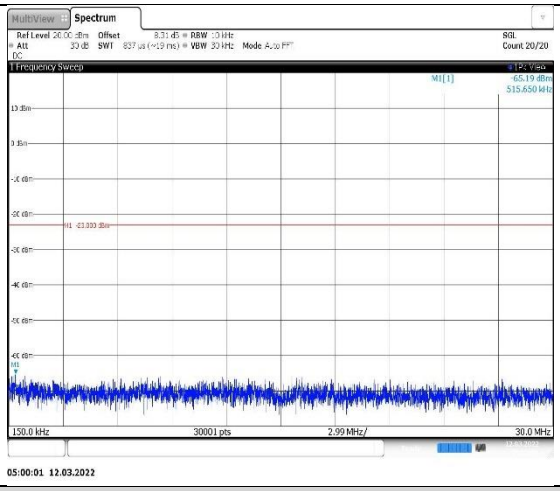
Band2-9262-4-0.009~0.15MHz



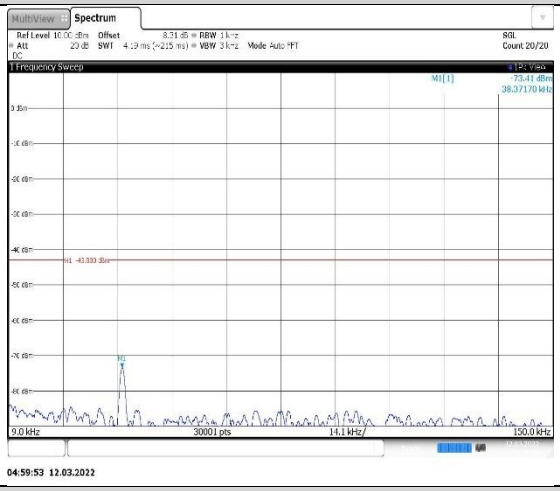
Band2-9400-4-1000~20000MHz



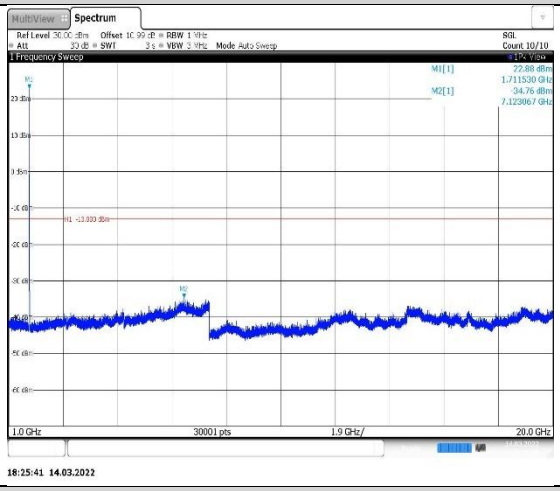
Band2-9400-4-30~1000MHz



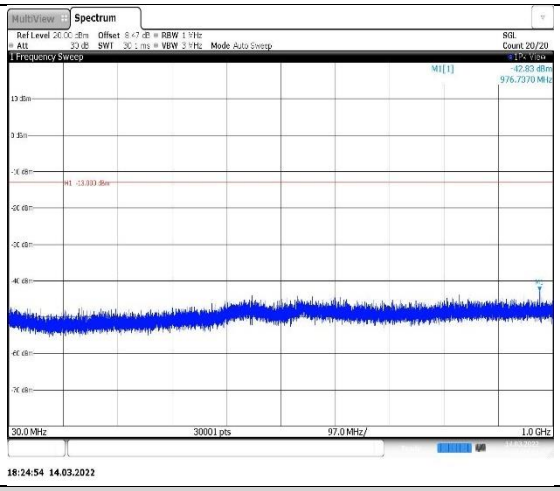
Band2-9400-4-0.15~30MHz



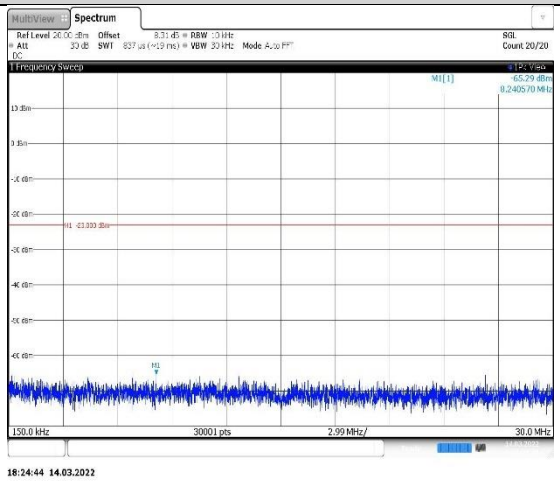
Band2-9400-4-0.009~0.15MHz



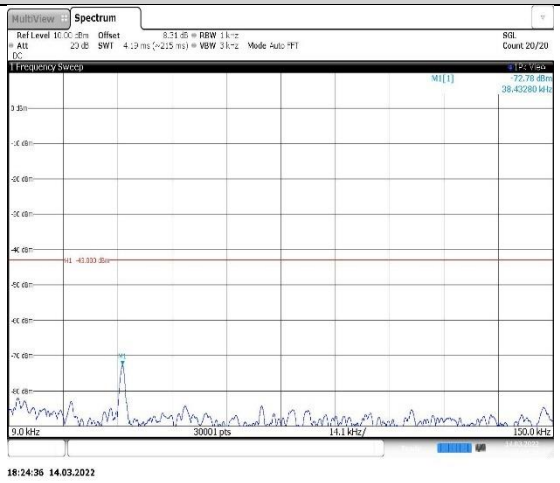
Band4-1312-4-1000~20000MHz



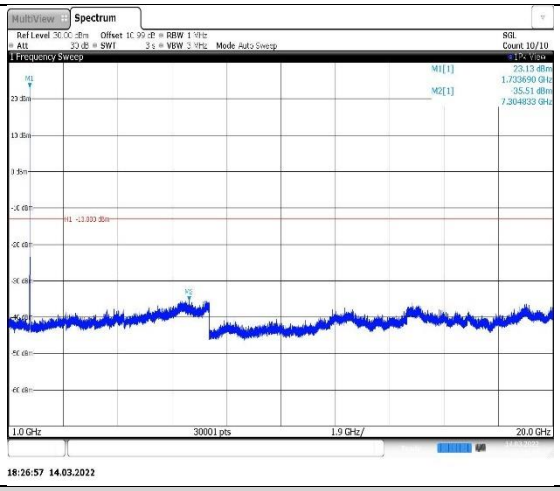
Band4-1312-4-30~1000MHz



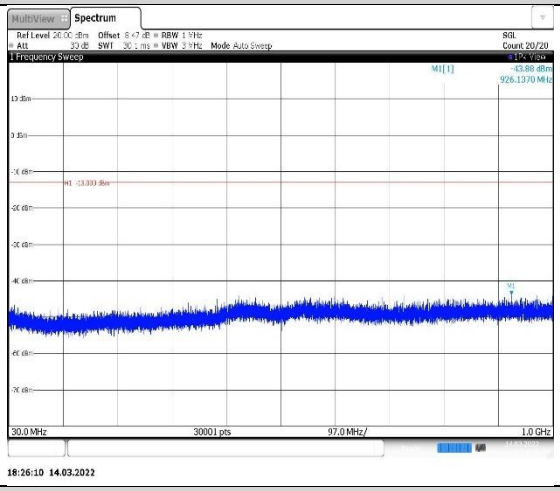
Band4-1312-4-0.15~30MHz



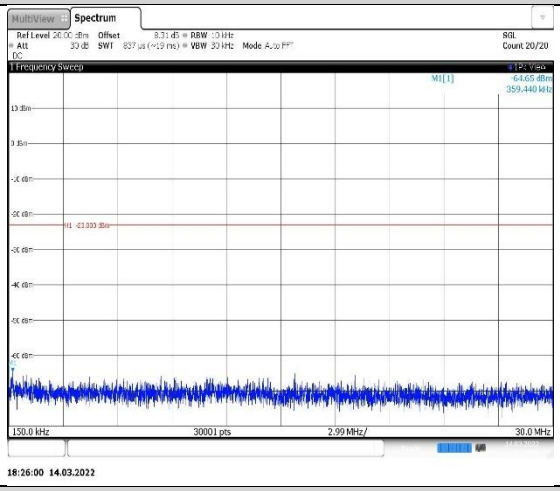
Band4-1312-4-0.009~0.15MHz



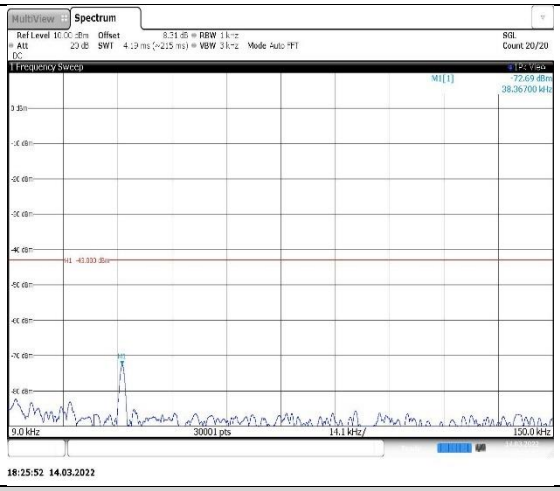
Band4-1413-4-1000~20000MHz



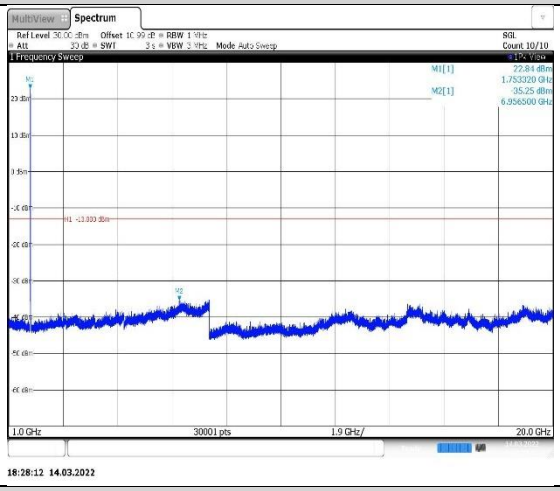
Band4-1413-4-30~1000MHz



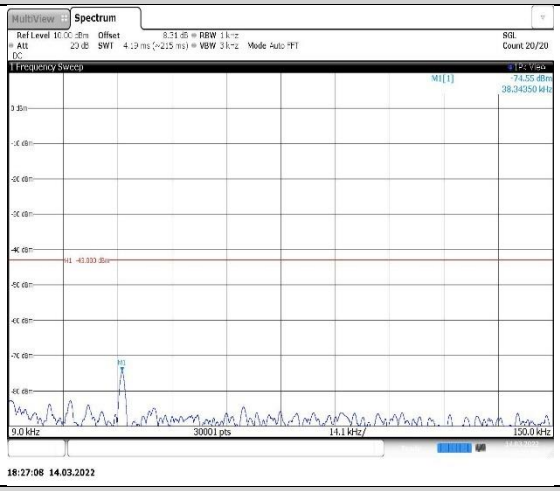
Band4-1413-4-0.15~30MHz



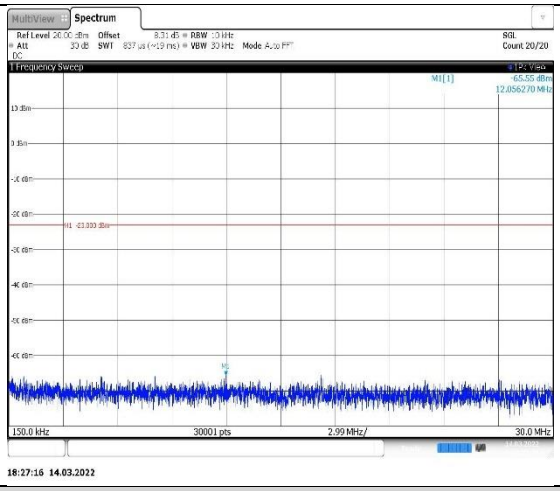
Band4-1413-4-0.009~0.15MHz



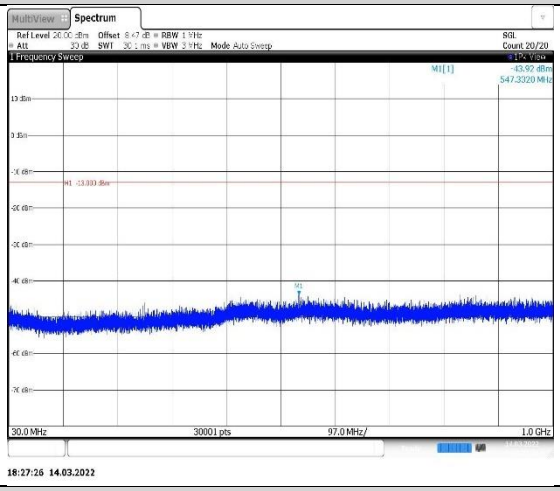
Band4-1513-4-1000~20000MHz



Band4-1513-4-0.009~0.15MHz

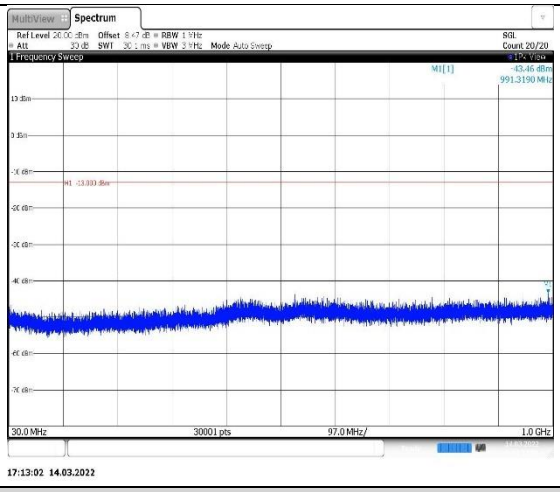


Band4-1513-4-0.15~30MHz

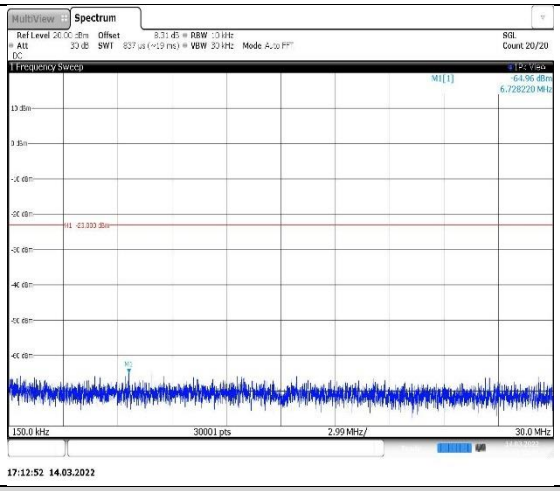


Band4-1513-4-30~1000MHz

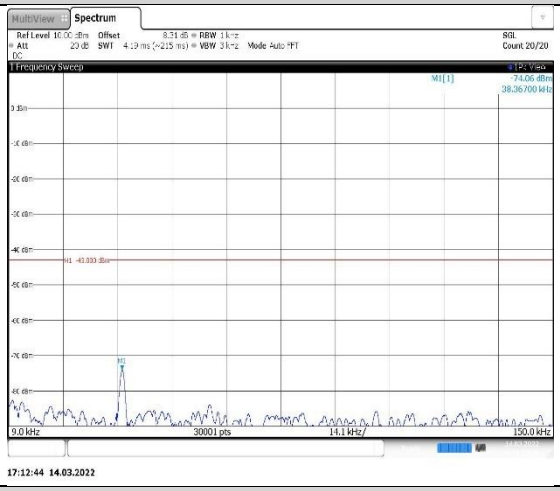
HSUPA



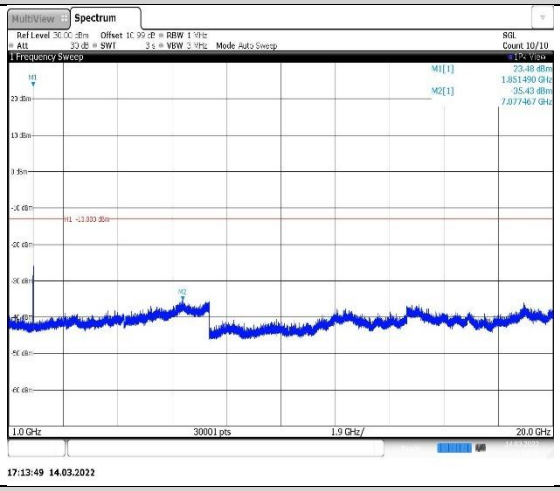
Band2-9262-5-30~1000MHz



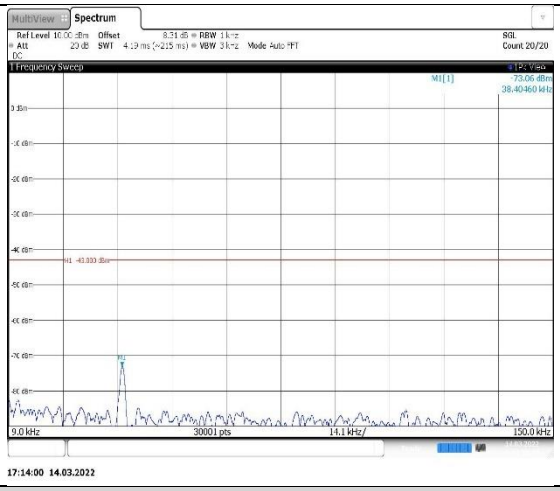
Band2-9262-5-0.15~30MHz



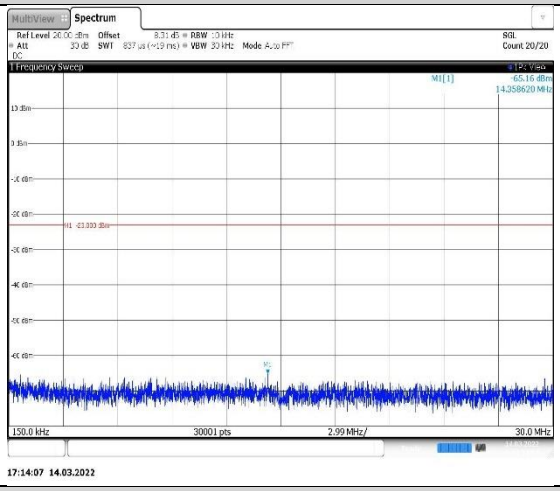
Band2-9262-5-0.009~0.15MHz



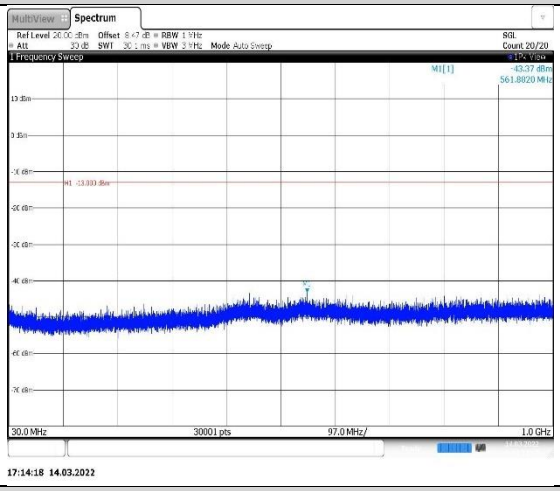
Band2-9262-5-1000~20000MHz



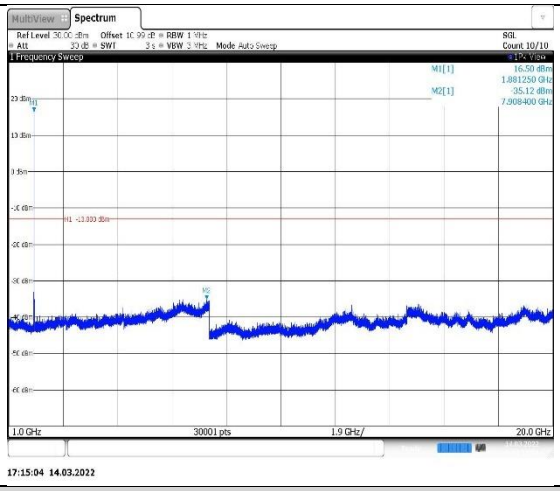
Band2-9400-5-0.009~0.15MHz



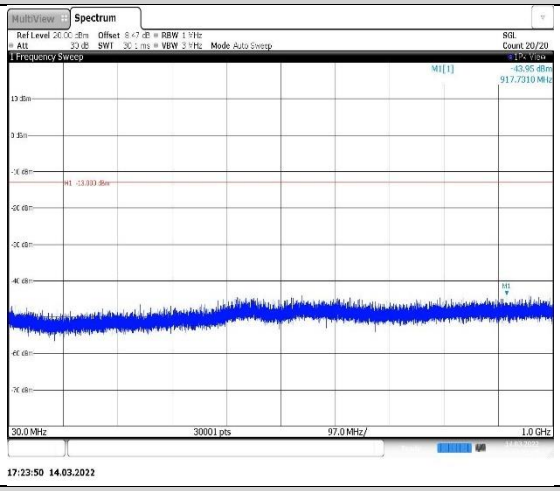
Band2-9400-5-0.15~30MHz



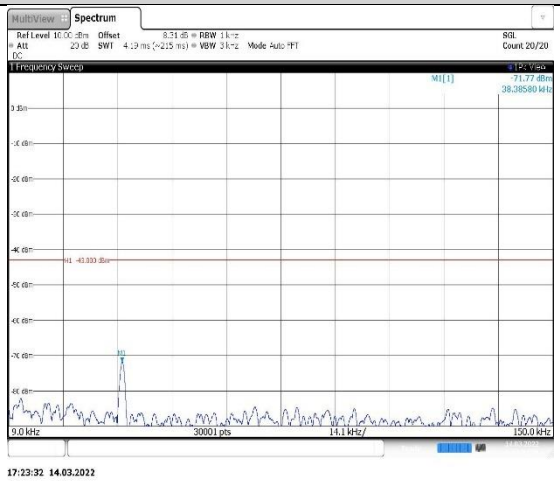
Band2-9400-5-30~1000MHz



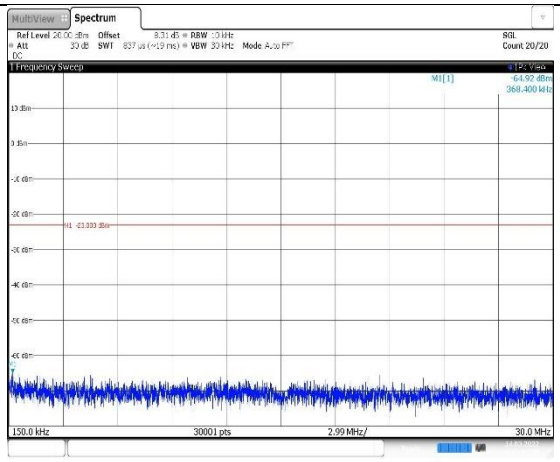
Band2-9400-5-1000~20000MHz



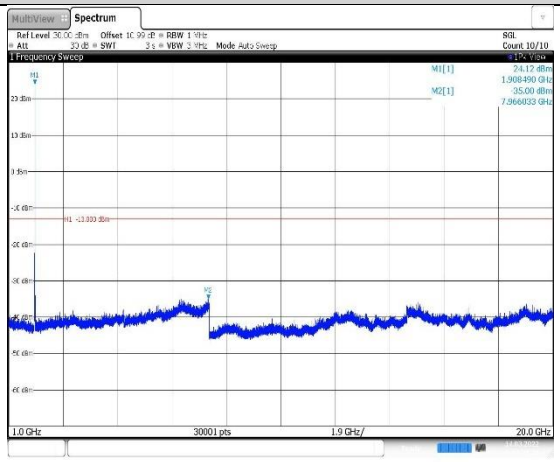
Band2-9538-5-30~1000MHz



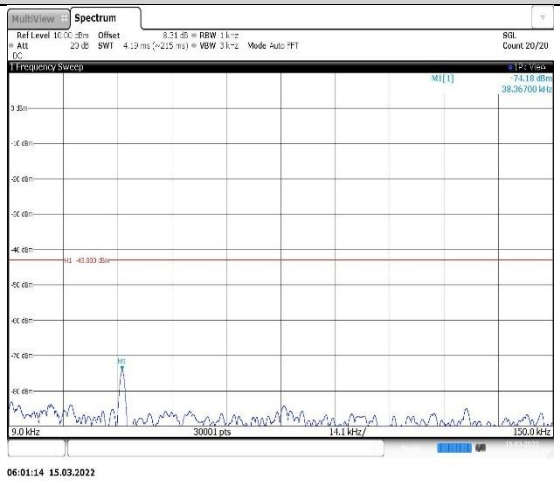
Band2-9538-5-0.009~0.15MHz



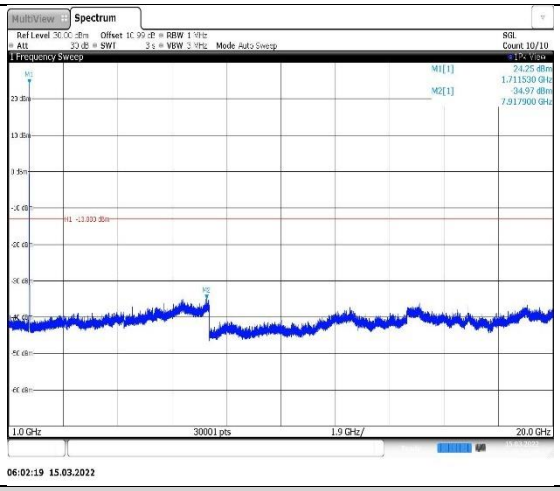
Band2-9538-5-0.15~30MHz



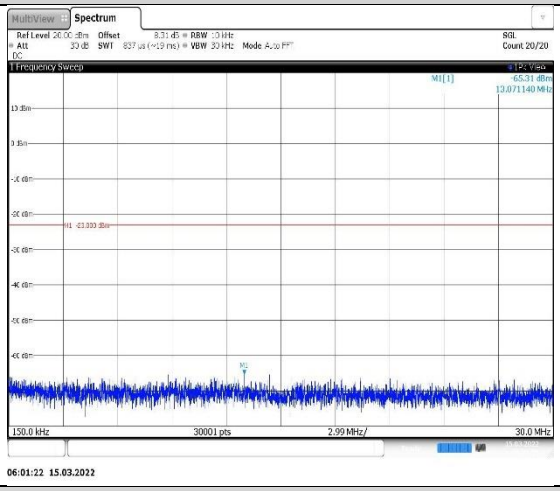
Band2-9538-5-1000~20000MHz



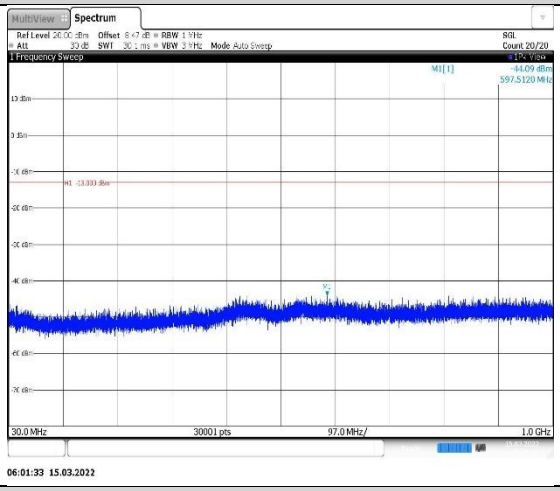
Band4-1312-5-0.009~0.15MHz



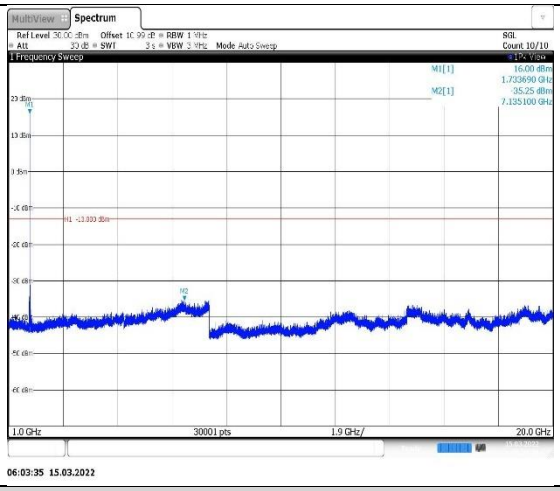
Band4-1312-5-1000~20000MHz



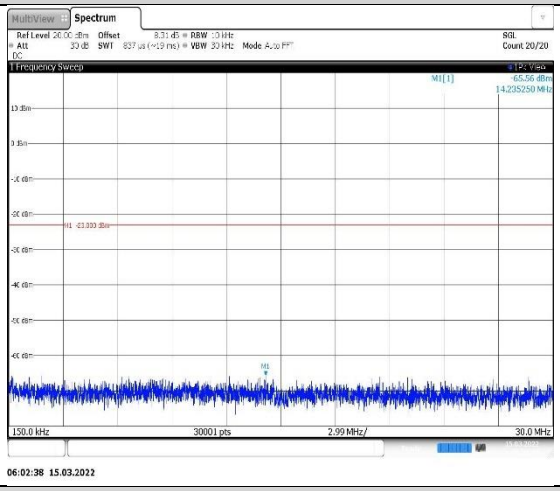
Band4-1312-5-0.15~30MHz



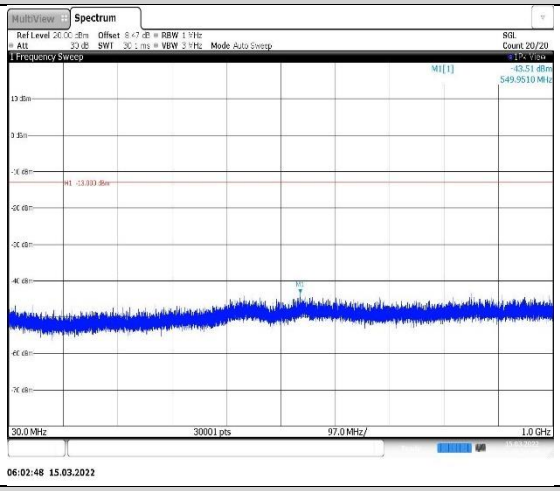
Band4-1312-5-30~1000MHz



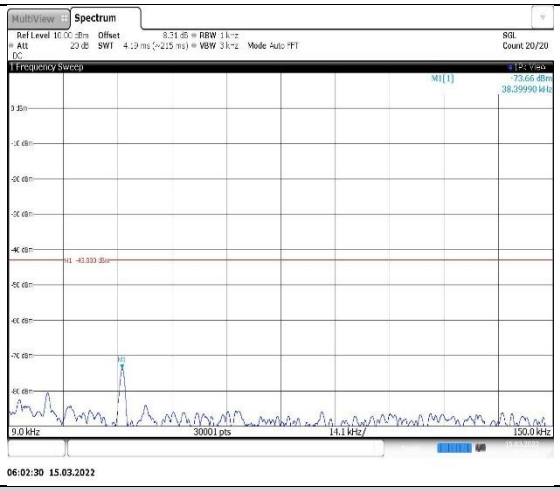
Band4-1413-5-1000~20000MHz



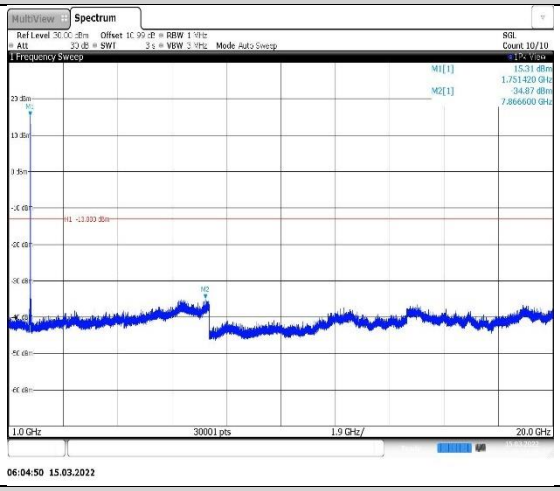
Band4-1413-5-0.15~30MHz



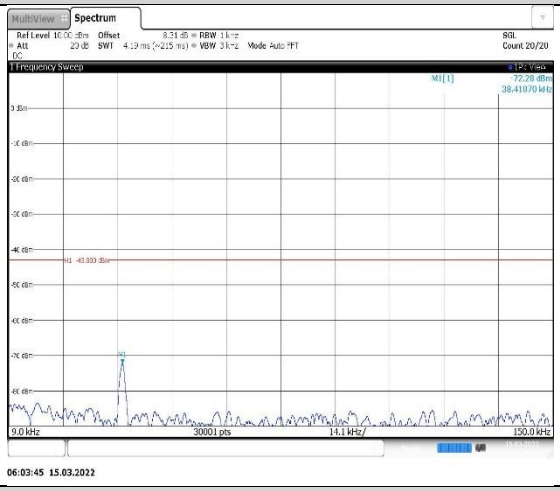
Band4-1413-5-30~1000MHz



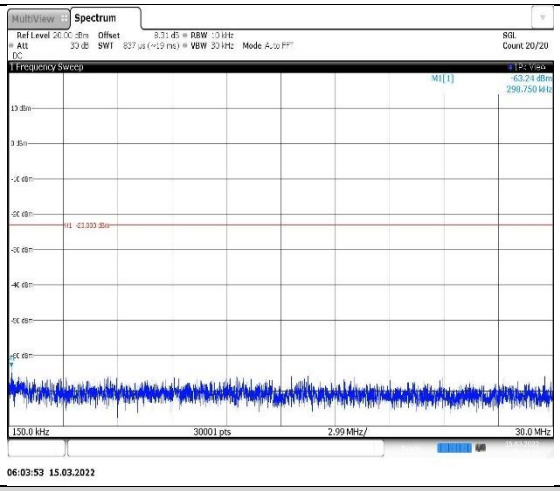
Band4-1413-5-0.009~0.15MHz



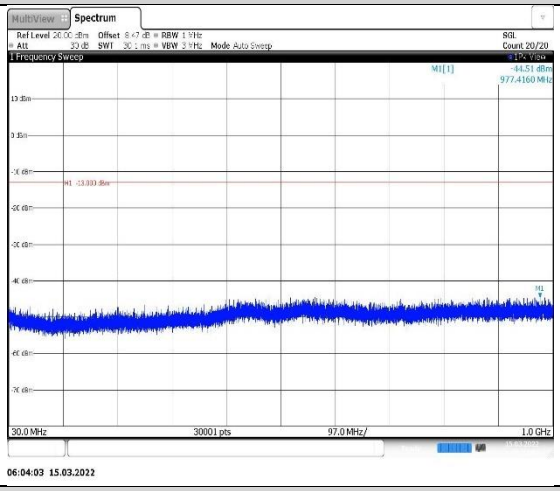
Band4-1513-5-1000~20000MHz



Band4-1513-5-0.009~0.15MHz



Band4-1513-5-0.15~30MHz



Band4-1513-5-30~1000MHz

7.6. FREQUENCY STABILITY

Rule Part:
FCC: §2.1055, §22.355, §24.235, §27.54, §90,
RSS-132, RSS-133,RSS-139

LIMITS

§22.355 - The carrier frequency shall not depart from the reference frequency in excess of ±2.5 ppm for mobile stations.

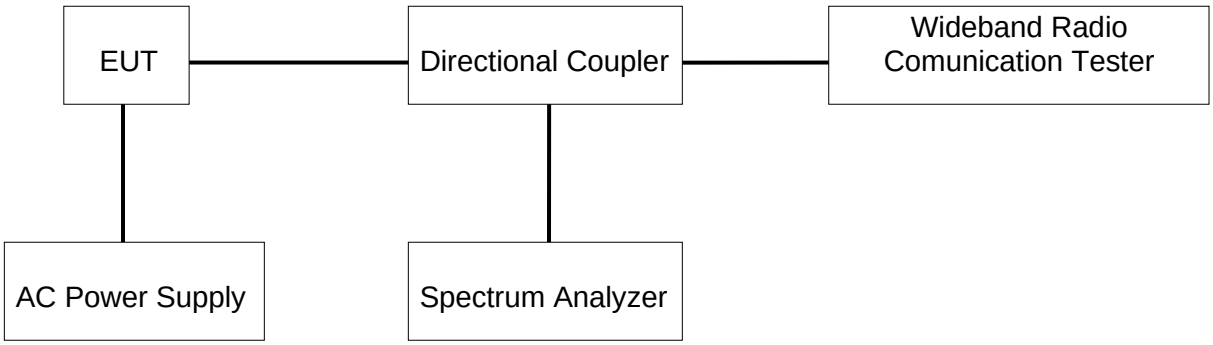
§24.235 and §27.54 - The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

TEST PROCEDURE

Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01.

	Normal Test Conditions	Extreme Test Conditions
Relative Humidity	45 % - 75 %	/
Atmospheric Pressure	100 kPa ~102 kPa	/
Temperature	T_N (Normal Temperature): 24.7 °C	T_L (Low Temperature): -30 °C
		T_H (High Temperature): 50 °C
Supply Voltage	V_N (Normal Voltage): DC 48.1 V	V_L (Low Voltage): DC 47. 6V
		V_H (High Voltage): DC 48.6 V

TEST SETUP



TEST ENVIRONMENT

Temperature	22.7°C	Relative Humidity	65.6%
Atmosphere Pressure	101kPa	Test Voltage	/

RESULTS

EGPRS850

Limit		824	849	Delta(Hz)	Frequency Stability (ppm)
Condition		F low@ -13dBm(MHz)	F High@ -13dBm(MHz)		
Temperature	Voltage				
Normal (20℃)	Normal	824.04	848.92		
Extreme (50℃)		824.04	848.92	19.60	0.023428
Extreme (40℃)		824.04	848.92	19.89	0.023775
Extreme (30℃)		824.04	848.92	18.98	0.022678
Extreme (10℃)		824.04	848.92	19.08	0.022807
Extreme (0℃)		824.04	848.92	18.82	0.022496
Extreme (-10℃)		824.04	848.92	19.79	0.023655
Extreme (-20℃)		824.04	848.92	20.05	0.023966
Extreme (-30℃)		824.04	848.92	20.15	0.024086
20℃	15%	824.04	848.92	20.24	0.024193
	-15%	824.04	848.92	20.89	0.024970
	End Point	824.04	848.92	19.92	0.023811

EGPRS1900

Limit		1850	1910	Delta(Hz)	Frequency Stability (ppm)
Condition		F low@ -13dBm(MHz)	F High@ -13dBm(MHz)		
Temperature	Voltage				
Normal (20℃)	Normal	1850.06	1909.91		
Extreme (50℃)		1850.06	1909.91	5.84	0.003106
Extreme (40℃)		1850.06	1909.91	7.72	0.004106
Extreme (30℃)		1850.06	1909.91	7.20	0.003830
Extreme (10℃)		1850.06	1909.91	9.07	0.004824
Extreme (0℃)		1850.06	1909.91	11.43	0.006080
Extreme (-10℃)		1850.06	1909.91	10.91	0.005803
Extreme (-20℃)		1850.06	1909.91	9.72	0.005170
Extreme (-30℃)		1850.06	1909.91	10.01	0.005324
20℃	15%	1850.06	1909.91	7.68	0.004085
	-15%	1850.06	1909.91	15.08	0.008021
	End Point	1850.06	1909.91	8.17	0.004346

WCDMA

HSDPA Band 2

Limit		1850	1910	Delta(Hz)	Frequency Stability (ppm)
Condition		F low@ -13dBm(MHz)	F High@ -13dBm(MHz)		
Temperature	Voltage				
Normal (20℃)	Normal	1850.09	1909.93		
Extreme (50℃)		1850.09	1909.93	-8.06	-0.004287
Extreme (40℃)		1850.09	1909.93	-7.91	-0.004207
Extreme (30℃)		1850.09	1909.93	-7.78	-0.004138
Extreme (10℃)		1850.09	1909.93	-6.53	-0.003473
Extreme (0℃)		1850.09	1909.93	-6.34	-0.003372
Extreme (-10℃)		1850.09	1909.93	-7.93	-0.004218
Extreme (-20℃)		1850.09	1909.93	-7.53	-0.004005
Extreme (-30℃)		1850.09	1909.93	-5.95	-0.003165
20℃	15%	1850.09	1909.93	-7.58	-0.004032
	-15%	1850.09	1909.93	-7.57	-0.004027
	End Point	1850.09	1909.93	-7.87	-0.004186

HSDPA Band 4

Limit		1710	1755	Delta(Hz)	Frequency Stability (ppm)
Condition		F low@ -13dBm(MHz)	F High@ -13dBm(MHz)		
Temperature	Voltage				
Normal (20℃)	Normal	1710.10	1754.81		
Extreme (50℃)		1710.10	1754.81	-22.82	-0.013171
Extreme (40℃)		1710.10	1754.81	-22.59	-0.013038
Extreme (30℃)		1710.10	1754.81	-22.75	-0.013131
Extreme (10℃)		1710.10	1754.81	-17.76	-0.010250
Extreme (0℃)		1710.10	1754.81	-18.15	-0.010476
Extreme (-10℃)		1710.10	1754.81	-22.60	-0.013044
Extreme (-20℃)		1710.10	1754.81	-17.50	-0.010100
Extreme (-30℃)		1710.10	1754.81	-18.52	-0.010689
20℃	15%	1710.10	1754.81	-22.67	-0.013804
	-15%	1710.10	1754.81	-22.94	-0.013240
	End Point	1710.10	1754.81	-22.98	-0.013263

8. RADIATED SPURIOUS EMISSIONS

RULE PART(S)

FCC: §2.1053, §22.917, §24.238, §27.53, §90,

LIMIT

Part §22.917(a), §24.238(a), §27.53(h)
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.

RSS-132 section 5.5
Mobile and base station equipment shall comply with the limits in (i) and (ii) below.
(i) In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least 43 + 10 log10 p (watts).
(ii) After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least 43 + 10 log10 p (watts). If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

RSS-133 section 6.5.1
Equipment shall comply with the limits in (i) and (ii) below.
(i) In the 1.0 MHz bands immediately outside and adjacent to the equipment's operating frequency block, the emission power per any 1% of the emission bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least 43 + 10 log10 p(watts).
(ii) After the first 1.0 MHz, the emission power in any 1 MHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least 43 + 10 log10 p(watts). If the measurement is performed using 1% of the emission bandwidth, power integration over 1.0 MHz is required.

RSS-139 section 6.6
(i) In the first 1.0 MHz bands immediately outside and adjacent to the equipment's smallest operating frequency block,2 which can contain the equipment's occupied bandwidth, the emission power per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in dBW) by at least 43 + 10 log10 p (watts) dB.
(ii) After the first 1.0 MHz outside the equipment's smallest operating frequency block, which can contain the equipment's occupied bandwidth, the emission power in any 1 MHz bandwidth shall be attenuated below the transmitter output power P (in dBW) by at least 43 + 10 log10 p (watts) dB.

TEST PROCEDURE

According to the C 63.26-2015 section 5.5.2.2.3

Below 1GHz test procedure as below:

For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80 cm above the reference ground plane. Radiated measurements shall be made with the measurement antenna positioned in both horizontal and vertical polarization. The measurement antenna shall be varied from 1 m to 4 m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level (i.e., field strength or received power). When orienting the measurement antenna in vertical polarization, the minimum height of the lowest element of the antenna shall clear the site reference ground plane by at least 25 cm.

Above 1GHz test procedure as below:
For radiated measurements performed at frequencies above 1 GHz, the EUT shall be placed on an RF transparent table or support at a nominal height of 1.5 m above the ground plane. Radiated measurements shall be made with the measurement antenna positioned in both horizontal and vertical polarization. The height scan of the measurement antenna shall be varied from 1 m to 4 m in a search for the relative positioning that produces the maximum radiated signal level (i.e., field strength or received power). When using the direct field strength method and the EUT is manipulated through three different orientations, then the scan height range of the measurement antenna is limited to 2.5 m, or 0.5 m above the top of the EUT, whichever is higher.

Radiated Power Measurement Calculation According to ANSI C63.26-2015

a) E (dBµV/m) = Measured amplitude level (dBµV) + Cable Loss (dB) + Antenna Factor (dB/m).
b) E (dBµV/m) = Measured amplitude level (dBm) + 107 + Cable Loss (dB) + Antenna Factor (dB/m).
c) E (dBµV/m) = EIRP (dBm) − 20log(D) + 104.8; where D is the measurement distance (in the far field region) in m.
d) EIRP (dBm) = E (dBµV/m) + 20log(D) − 104.8; where D is the measurement distance (in the far field region) in m.
So, from d)
The measuring distance is usually at 3m, then 20*Log(3)=9.5424
Then, EIRP (dBm) = E (dBµV/m) + 9.5424 − 104.8 = E (dBµV/m) – 95.2576

The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
= P(W)- [43 + 10log(P)] (dB)
= [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
= -13dBm.

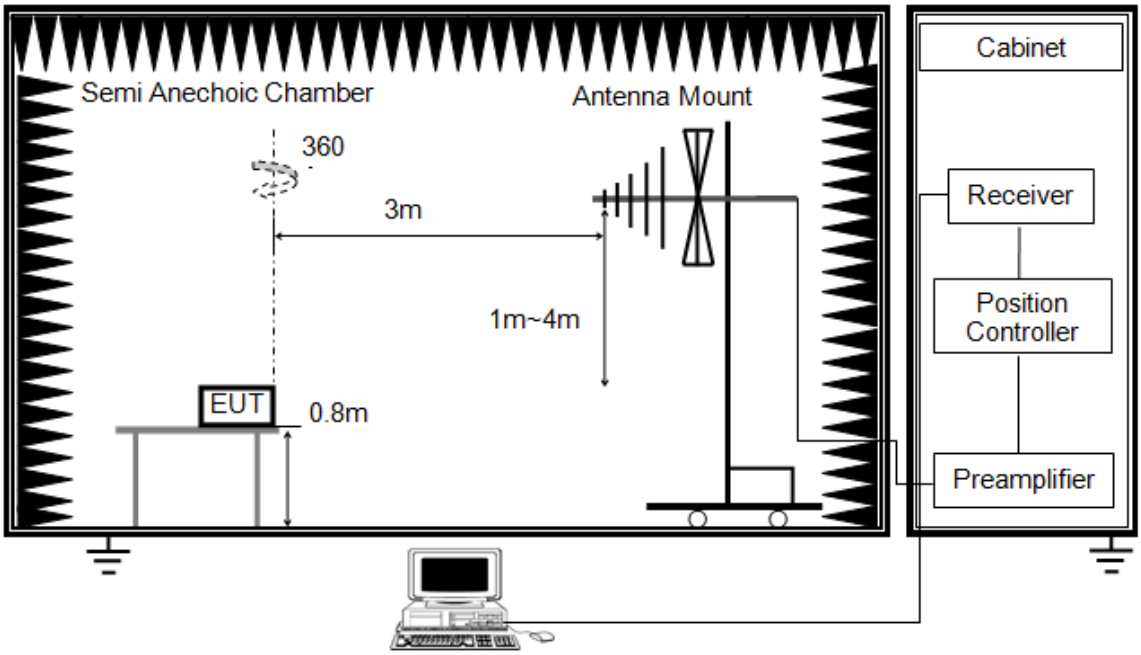
EIRP[dBm] =E[dBµV/m] − 95.2
E[dBµV/m]= 95.2+ EIRP[dBm]
E[dBµV/m]= 82.20

NOTE 1: Radiated spurious emissions were investigated below 30 MHz, 30 MHz – 1 GHz and above 1 GHz. There were no emissions found on below 30 MHz and 30 MHz – 1 GHz.
Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site.
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 414788.

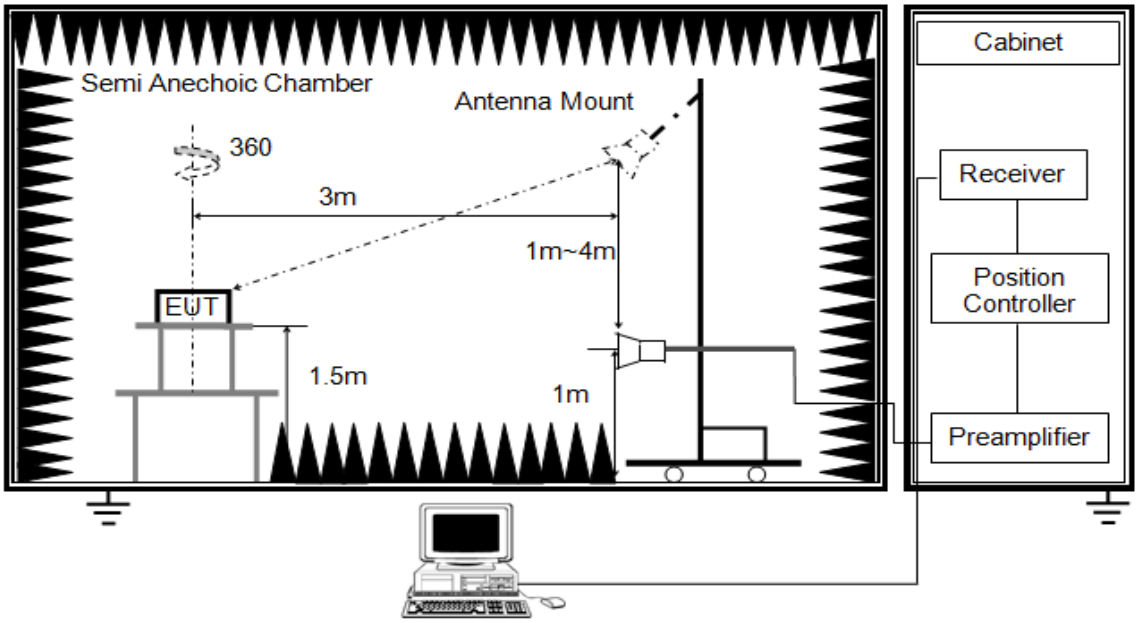
NOTE 2: Please refer to section 5.4 for bandwidth and RB setting about LTE bands.

TEST SETUP

Test Setup for Below 1 GHz



Test Setup for Above 1 GHz



TEST ENVIRONMENT

Temperature	23.2°C	Relative Humidity	65.3%
Atmosphere Pressure	101kPa	Test Voltage	DC 48.1 V

RESULTS

GSM 850

GPRS- Low Channel- Horizontal

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1252.000	61.80	-13.54	48.26	82.20	-33.94	peak
1387.000	64.17	-13.10	51.07	82.20	-31.13	peak
3502.000	45.46	-5.80	39.66	82.20	-42.54	peak
5860.000	39.61	0.88	40.49	82.20	-41.71	peak
7723.000	38.97	5.83	44.80	82.20	-37.40	peak
9019.000	37.56	9.43	46.99	82.20	-35.21	peak

GPRS- Low Channel- Vertical

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
2908.000	53.27	-7.37	45.90	82.20	-36.30	peak
4852.000	40.82	-1.13	39.69	82.20	-42.51	peak
5923.000	39.72	1.09	40.81	82.20	-41.39	peak
7138.000	45.02	4.87	49.89	82.20	-32.31	peak
7687.000	43.55	5.71	49.26	82.20	-32.94	peak
9352.000	37.58	9.37	46.95	82.20	-35.25	peak

GPRS- Mid Channel- Horizontal

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
2948.500	49.01	-7.26	41.75	82.20	-40.45	peak
3380.500	58.62	-6.32	52.30	82.20	-29.90	peak
3961.000	52.80	-4.61	48.19	82.20	-34.01	peak
5495.500	48.15	0.42	48.57	82.20	-33.63	peak
8218.000	45.25	7.17	52.42	82.20	-29.78	peak
9397.000	39.93	9.67	49.60	82.20	-32.60	peak

GPRS- Mid Channel- Vertical

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
3781.000	52.04	-4.42	47.62	82.20	-34.58	peak
3934.000	53.54	-4.56	48.98	82.20	-33.22	peak
4294.000	50.86	-2.95	47.91	82.20	-34.29	peak
4816.000	52.79	-1.14	51.65	82.20	-30.55	peak
5050.000	53.40	-0.79	52.61	82.20	-29.59	peak
7498.000	49.07	5.66	54.73	82.20	-27.47	peak

GPRS- High Channel- Horizontal

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
2413.000	52.37	-8.92	43.45	82.20	-38.75	peak
2674.000	54.39	-8.24	46.15	82.20	-36.05	peak
5860.000	39.35	0.88	40.23	82.20	-41.97	peak
8245.000	38.87	7.10	45.97	82.20	-36.23	peak
9010.000	38.66	9.48	48.14	82.20	-34.06	peak
9352.000	38.37	9.37	47.74	82.20	-34.46	peak

GPRS- High Channel- Vertical

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1270.000	61.18	-13.48	47.70	82.20	-34.50	peak
1783.000	63.90	-10.69	53.21	82.20	-28.99	peak
2269.000	58.16	-9.45	48.71	82.20	-33.49	peak
3799.000	53.72	-4.33	49.39	82.20	-32.81	peak
6877.000	47.06	3.98	51.04	82.20	-31.16	peak
7489.000	49.48	5.67	55.15	82.20	-27.05	peak

GSM 1900

GPRS- Low Channel- Horizontal

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
3735.000	54.42	-4.64	49.78	82.20	-32.42	peak
4125.000	49.45	-3.51	45.94	82.20	-36.26	peak
8235.000	37.68	7.13	44.81	82.20	-37.39	peak
11820.000	36.09	17.21	53.30	82.20	-28.90	peak
13935.000	33.39	20.59	53.98	82.20	-28.22	peak
17940.000	31.27	23.54	54.81	82.20	-27.39	peak

GPRS- Low Channel- Vertical

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
4500.000	42.86	-2.52	40.34	82.20	-41.86	peak
5970.000	39.45	1.27	40.72	82.20	-41.48	peak
7815.000	38.53	6.03	44.56	82.20	-37.64	peak
9300.000	37.37	9.05	46.42	82.20	-35.78	peak
11865.000	35.32	17.18	52.50	82.20	-29.70	peak
13860.000	34.39	20.55	54.94	82.20	-27.26	peak

GPRS- Mid Channel- Horizontal

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
8130.000	38.38	6.57	44.95	82.20	-37.25	peak
9390.000	37.25	9.61	46.86	82.20	-35.34	peak
11820.000	35.43	17.21	52.64	82.20	-29.56	peak
12690.000	35.81	17.02	52.83	82.20	-29.37	peak
13920.000	33.47	20.58	54.05	82.20	-28.15	peak
17925.000	31.60	23.50	55.10	82.20	-27.10	peak

GPRS- Mid Channel- Vertical

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
4500.000	42.86	-2.52	40.34	82.20	-41.86	peak
5970.000	39.45	1.27	40.72	82.20	-41.48	peak
7815.000	38.53	6.03	44.56	82.20	-37.64	peak
9300.000	37.37	9.05	46.42	82.20	-35.78	peak
11865.000	35.32	17.18	52.50	82.20	-29.70	peak
13860.000	34.39	20.55	54.94	82.20	-27.26	peak

GPRS- High Channel- Horizontal

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
5190.000	40.09	0.13	40.22	82.20	-41.98	peak
8235.000	37.94	7.13	45.07	82.20	-37.13	peak
8970.000	38.55	9.17	47.72	82.20	-34.48	peak
11820.000	35.64	17.21	52.85	82.20	-29.35	peak
13920.000	33.68	20.58	54.26	82.20	-27.94	peak
17940.000	31.20	23.54	54.74	82.20	-27.46	peak

GPRS- High Channel- Vertical

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
5055.000	54.98	-0.75	54.23	82.20	-27.97	peak

9135.000	37.92	8.79	46.71	82.20	-35.49	peak
11820.000	36.11	17.21	53.32	82.20	-28.88	peak
12705.000	35.06	17.07	52.13	82.20	-30.07	peak
13935.000	33.71	20.59	54.30	82.20	-27.90	peak
17925.000	31.77	23.50	55.27	82.20	-26.93	peak

WCDMA Band 2

HSDPA- Low Channel- Horizontal

Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1934.000	33.77	30.87	64.64	82.25	-17.61	peak
2356.000	24.10	32.38	56.48	82.25	-25.77	peak
2700.000	25.09	33.18	58.27	82.25	-23.98	peak
8940.000	39.33	9.61	48.94	82.25	-33.31	peak
11745.000	36.92	17.06	53.98	82.25	-28.27	peak
13935.000	35.26	19.32	54.58	82.25	-27.67	peak

HSDPA- Low Channel- Vertical

Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1550.000	22.43	29.34	51.77	82.25	-30.48	peak
2384.000	24.35	32.62	56.97	82.25	-25.28	peak
2708.000	23.57	33.20	56.77	82.25	-25.48	peak
8115.000	38.62	9.50	48.12	82.25	-34.13	peak
11055.000	38.42	14.58	53.00	82.25	-29.25	peak
13515.000	34.36	19.18	53.54	82.25	-28.71	peak

HSDPA- Mid Channel- Horizontal

Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1334.000	23.98	28.50	52.48	82.25	-29.77	peak
1958.000	35.16	30.81	65.97	82.25	-16.28	peak
2404.000	24.02	32.77	56.79	82.25	-25.46	peak
8985.000	38.65	10.48	49.13	82.25	-33.12	peak
11700.000	35.97	17.11	53.08	82.25	-29.17	peak
13965.000	34.41	19.34	53.75	82.25	-28.50	peak

HSDPA- Mid Channel- Vertical

Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1448.000	24.93	28.89	53.82	82.25	-28.43	peak
1960.000	30.73	30.80	61.53	82.25	-20.72	peak
2468.000	23.92	33.03	56.95	82.25	-25.30	peak
9000.000	37.84	10.77	48.61	82.25	-33.64	peak
11820.000	36.69	17.03	53.72	82.25	-28.53	peak
13920.000	34.56	19.30	53.86	82.25	-28.39	peak

HSDPA- High Channel- Horizontal

Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5730.000	39.92	2.17	42.09	82.25	-40.16	peak
8115.000	39.07	9.50	48.57	82.25	-33.68	peak
9930.000	36.22	11.57	47.79	82.25	-34.46	peak
11745.000	36.51	17.06	53.57	82.25	-28.68	peak
14010.000	34.38	19.32	53.70	82.25	-28.55	peak
17685.000	30.10	23.18	53.28	82.25	-28.97	peak

HSDPA- High Channel- Vertical

Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1778.000	23.75	30.51	54.26	82.25	-27.99	peak
1986.000	35.80	30.73	66.53	82.25	-15.72	peak
2460.000	23.50	33.00	56.50	82.25	-25.75	peak
10095.000	36.37	11.67	48.04	82.25	-34.21	peak
11745.000	36.51	17.06	53.57	82.25	-28.68	peak
13455.000	33.55	19.09	52.64	82.25	-29.61	peak

WCDMA Band 4

HSDPA- Low Channel- Horizontal

Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2114.000	31.72	31.17	62.89	82.25	-19.36	peak
2282.000	24.32	31.86	56.18	82.25	-26.07	peak
2570.000	25.00	32.82	57.82	82.25	-24.43	peak
8865.000	39.67	8.78	48.45	82.25	-33.80	peak
11820.000	35.22	17.03	52.25	82.25	-30.00	peak
13530.000	33.21	19.17	52.38	82.25	-29.87	peak

HSDPA- Low Channel- Vertical

Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2114.000	25.04	31.17	56.21	82.25	-26.04	peak
2294.000	23.65	31.88	55.53	82.25	-26.72	peak
2482.000	23.47	33.08	56.55	82.25	-25.70	peak
11820.000	35.22	17.03	52.25	82.25	-30.00	peak
13530.000	33.21	19.17	52.38	82.25	-29.87	peak
15135.000	32.23	15.94	48.17	82.25	-34.08	peak

HSDPA- Mid Channel- Horizontal

Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2134.000	29.53	31.29	60.82	82.25	-21.43	peak
2420.000	24.10	32.83	56.93	82.25	-25.32	peak
2654.000	24.47	32.95	57.42	82.25	-24.83	peak
8115.000	38.68	9.50	48.18	82.25	-34.07	peak
11820.000	36.66	17.03	53.69	82.25	-28.56	peak
13590.000	35.24	19.05	54.29	82.25	-27.96	peak

HSDPA- Mid Channel- Vertical

Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2134.000	24.91	31.29	56.20	82.25	-26.05	peak
2578.000	25.42	32.78	58.20	82.25	-24.05	peak
2732.000	25.41	33.27	58.68	82.25	-23.57	peak
8145.000	38.63	9.38	48.01	82.25	-34.24	peak
10230.000	36.38	12.13	48.51	82.25	-33.74	peak
11340.000	35.51	15.72	51.23	82.25	-31.02	peak

HSDPA- High Channel- Horizontal

Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2152.000	31.48	31.40	62.88	82.25	-19.37	peak
2324.000	24.45	32.10	56.55	82.25	-25.70	peak
2494.000	24.86	33.13	57.99	82.25	-24.26	peak
9375.000	38.02	10.63	48.65	82.25	-33.60	peak
11820.000	37.31	17.03	54.34	82.25	-27.91	peak
13620.000	34.18	19.12	53.30	82.25	-28.95	peak

HSDPA- High Channel- Vertical

Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1636.000	24.25	29.64	53.89	82.25	-28.36	peak
2154.000	29.42	31.40	60.82	82.25	-21.43	peak
2576.000	25.38	32.79	58.17	82.25	-24.08	peak
8235.000	38.57	9.12	47.69	82.25	-34.56	peak
11370.000	37.94	16.05	53.99	82.25	-28.26	peak
13650.000	33.83	19.26	53.09	82.25	-29.16	peak

END OF REPORT