



FCC TEST REPORT
FCC ID: 2AXZU-TAGLINK

On Behalf of

Guangzhou Munbyn Information Technology Co., Ltd.

TagLINK Combo

Model No.: TagLINK Combo, TagLINK Combo III

Prepared for : E.R.M ELECTRONIC SYSTEMS LTD
Address : Ha'Sar Shapira 16, Rishon Le'Zion, Israel

Prepared By : Shenzhen PSI Testing Co., Ltd.
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China

Report Number : psi2506118-C01-R14
Date of Receipt : June 26, 2025
Date of Test : June 26, 2025- August 1, 2025
Date of Report : August 2, 2025
Version Number : V0

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TEST REPORT DECLARATION

Applicant : E.R.M ELECTRONIC SYSTEMS LTD
Address : Ha'Sar Shapira 16, Rishon Le'Zion, Israel
Manufacturer : E.R.M ELECTRONIC SYSTEMS LTD
Address : Ha'Sar Shapira 16, Rishon Le'Zion, Israel
EUT Description : TagLINK Combo
(A) Model No. : TagLINK Combo, TagLINK Combo III
(B) Trademark : N/A

Measurement Standard Used:

FCC CFR Title 47 Part 2
FCC CFR Title 47 Part 22 Subpart H
FCC CFR Title 47 Part 24 Subpart E
ANSI C63.26:2015

Test Result: PASS

The device described above is tested by Shenzhen PSI Testing Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C limits both conducted and radiated emissions. The test results are contained in this test report and Shenzhen PSI Testing Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

After the test, our opinion is that EUT compliance with the requirement of the above standards.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen PSI Testing Co., Ltd.

Tested by (name + signature).....: Felix Pang
Test Engineer 
Approved by (name + signature).....: Simple Guan
Project Manager 
Date of issue.....: August 2, 2025

Revision History

Revision	Issue Date	Revisions	Revised By
V0	August 2, 2025	Initial released Issue	Felix Pang



1 Test Summary

Test Item	Section in CFR 47	Result
RF Exposure (SAR)	Part 1.1307 Part 2.1093	Pass* (Please refer to MPE Report)
Transmitter Radiated Power (EIRP/ERP)	Part 2.1046 Part 22.913 (a)(2) Part 24.232 (c)	Pass
Peak-to-Average Ratio	Part 2.1046 Part 24.232 (d)	Pass
Modulation Characteristics	Part 2.1047	Pass
99% & -26 dB Occupied Bandwidth	Part 2.1049	Pass
Spurious Emissions at Antenna Terminal	Part 2.1051 Part 22.917 (a) Part 24.238 (a)	Pass
Field Strength of Spurious Radiation	Part 2.1053 Part 22.917 (a) Part 24.238 (a)	Pass
Frequency stability	Part 2.1055(a)(1)(b) Part 2.1055(d)(1)(2)	Pass

Note: 1. P is an abbreviation for Pass.

2. F is an abbreviation for Fail.

3. N/A is an abbreviation for Not Applicable.

4. Conclusion determination rules of this report: Unless there are clear provisions on measurement uncertainty in the standard or customer requirements, decision by actual test data without considering measurement uncertainty.

2 General Information

2.1 General Description of EUT

Description/PMN	: TagLINK Combo
Model Number/HVIN(s)	: TagLINK Combo, TagLINK Combo III
Diff	: The software and circuitry of all models are the same, except for the size of the battery and casing. The TagLINK Combo uses one battery, while the TagLINK Combo III uses three batteries and has a larger plastic casing. All tests are made with the TagLINK Combo III model
Test Voltage	: DC 12V/24V power supply or DC 3.7V from built-in battery. DC 5V from Type-C
Support Networks	: WCDMA/HSDPA/HSUPA
Support Bands	: WCDMA Band II, WCDMA Band V
TX Frequency	: WCDMA/HSDPA/HSUPA Band 2: 1852.4 MHz ~ 1907.6 MHz WCDMA/HSDPA/HSUPA Band 5: 826.4 MHz ~ 846.6 MHz
Modulation type	: WCDMA Band II/V: QPSK
Antenna type	: Internal Antenna
Antenna gain	: Maximum Gain is 0.68dBi for WCDMA Band II Maximum Gain is 0.15dBi for WCDMA Band V
Software version	: V1.0.
Hardware version/FVIN	: V1.0.

Remark: 1. The worst-case simultaneous transmission configuration was evaluated with no non-compliance found. Results in this report are only for 3G function, and there is no other transmitter involved.

Operation Frequency List:

WCDMA Band V		WCDMA Band II	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
4132	826.40	9262	1852.40
4133	826.60	9263	1852.60
· ∴	· ∴	· ∴	· ∴
4181	836.20	9399	1879.80
4182	836.40	9400	1880.00
4183	836.60	9401	1880.20
· ∴	· ∴	· ∴	· ∴
4232	846.40	9537	1907.40
4233	846.60	9538	1907.60

Regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Final test channel:

WCDMA Band V		WCDMA Band II	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
4132	826.40	4132	826.40
4183	836.60	4183	836.60
4233	846.60	4233	846.60

2.2 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is filing to comply with Section Part 22 subpart H and Part 24 subpart E of the FCC CFR 47 Rules.

2.3 Test Methodology

Both conducted and radiated testing were performed according to the procedures document on TIA/EIA 603 and FCC CFR 47.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055 and 2.1057

2.4 Test Facility

Shenzhen PSI Testing Co., Ltd.
1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

September 21, 2023 File on Federal Communication Commission
Registration Number: 916281

September 21, 2023 Certificated by IC
Registration Number: 31123
CAB identifier: CN0158

2.5 Accessories of Device (EUT)

Accessories : N/A
Manufacturer : N/A
Model : N/A
Ratings : N/A

2.6 Tested Supporting System Details

No.	Description	Manufacturer	Model	Serial Number	Certification
1.	N/A	N/A	N/A	N/A	N/A

2.7 Test Conditions

Items	Required
Temperature range:	15-35℃
Humidity range:	25-75%
Pressure range:	86-106kPa

2.8 Measurement Uncertainty

(95% confidence levels, k=2)

Item	Uncertainty
Uncertainty for Power Line Conducted Emissions Test	2.17dB
Uncertainty for Radiation Emission test in 3m chamber (below 30MHz)	3.5dB
Uncertainty for Radiation Emission test in 3m chamber (30MHz to 1GHz)	2.74dB(Polarize: V)
	2.76dB(Polarize: H)
Uncertainty for Radiation Emission test in 3m chamber (1GHz to 18GHz)	4.29dB(Polarize: V)
	4.82dB(Polarize: H)
Uncertainty for Radiation Emission test in 3m chamber (18GHz to 40GHz)	4.31dB(Polarize: V)
	4.30dB(Polarize: H)
Uncertainty for radio frequency	48.24KHz
Uncertainty for conducted RF Power	0.41dB
Uncertainty for Power Spectral Density	0.39 dB
Occupied-Bandwidth	968Hz
Conducted-Spurious Emission	1.26dB

3 Test Instruments list

Item	Equipment	Manufacturer	Model No.	Serial No.	Firmware Version	Last Cal.	Cal. Interval
1.	9*6*6 anechoic chamber	SKET	9*6*6	N/A	/	2022.12.20	3 Year
2.	Test Receiver	Rohde&Schwarz	ESCI 7	101032/003	4.42 SP3	2024.12.18	1 Year
3.	L.I.S.N.#1	Rohde&Schwarz	ENV216	102282	/	2024.12.18	1 Year
4.	L.I.S.N.#2	RFT	NNB111	13835240	/	2024.12.18	1 Year
5.	Loop Antenna	Schwarz beck	FMZB 1519B	00128	/	2025.01.02	2 Year
6.	Bilog Antenna	Schwarz beck	VULB 9168	01448	/	2025.01.02	2 Year
7.	Spectrum Analyzer	Rohde&Schwarz	FSV-40N	101648	3.70	2024.12.18	1 Year
8.	Horn Antenna	Schwarz beck	BBHA 9120 D	02706	/	2025.01.02	2 Year
9.	Amplifier	SKET	LAPA_01G1 8G-45dB	SK20220329 01	/	2024.12.18	1 Year
10.	Horn Antenna	Schwarz beck	BBHA 9170	00946	/	2024.12.31	2 Year
11.	Amplifier	SKET	LNPA_0118 G-45	SK20200108 01	/	2024.12.18	1 Year
12.	RF Power Probe	Rohde&Schwarz	NRP-Z11	1138.3004.02 -1111533-Fz	/	2024.12.18	1 Year
13.	RF Sensor Unit	Tachoy	TR1029-2	20220428P0 08	/	2024.12.18	1 Year
14.	Spectrum Analyzer	Agilent	N9020A	MY51281067	A.14.03	2024.12.18	1 Year
15.	Temp. & Humid Chamber	Auchno	9606	/	/	2024.12.18	1 Year
16.	Regulated DC Power Supply	Xinouhua	ADC120V10 A	20221125163 8	/	2024.12.18	1 Year
17.	Power meter	Agilent	E4419B	GB40202121	/	2024.12.18	1 Year
18.	6dB Attenuator	Schwarzbeck	DGA 9552N 6dB	CK4186	/	2024.12.18	1 Year

For Test Software Information

Item	Software Name	Manufacturer	Version
RE	EZ EMC	Farad	PSI-3A1
CE	EZ EMC	Farad	PSI-3A1
RF	RTS	TACHOY	V1.0.0

4 System test configuration

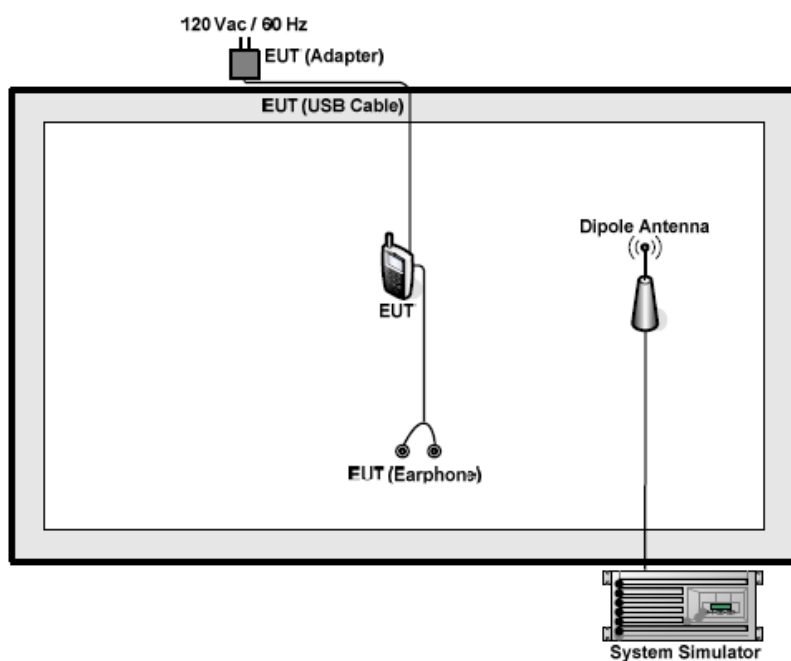
4.1 Test mode

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission.

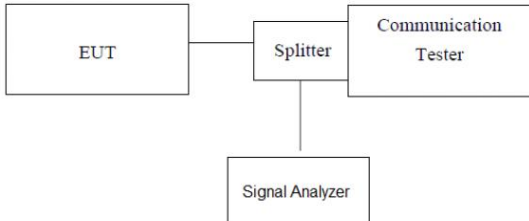
Test modes		
Band	Radiated	Conducted
WCDMA II	■ RMC 12.2Kbps link ■ HSDPA link ■ HSUPA link	■ RMC 12.2Kbps link ■ HSDPA link ■ HSUPA link
WCDMA Band V	■ RMC 12.2Kbps link ■ HSDPA link ■ HSUPA link	■ RMC 12.2Kbps link ■ HSDPA link ■ HSUPA link

Note: The maximum power levels are RMC 12.2Kbps mode for WCDMA Band II/V. Only these modes were used for all tests.

4.2 Configuration of Tested System

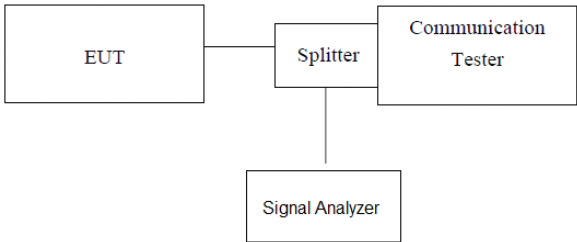


4.3 Transmitter Radiated Power (EIRP/ERP)

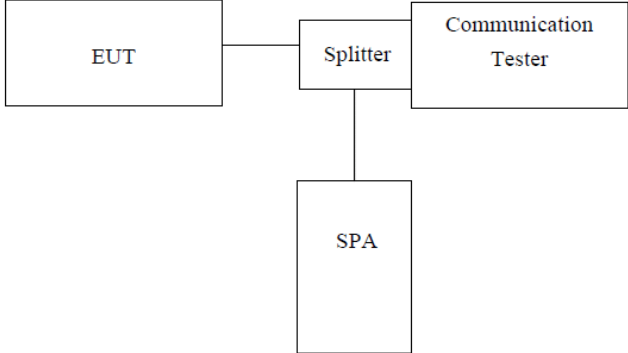
Test Requirement:	FCC part22.913(a) and FCC part24.232(b)
Test Method:	FCC part2.1046
Limit:	WCDMA Band V: 7W WCDMA Band II: 2W
Test setup:	 <i>Note: Measurement setup for testing on Antenna connector</i>
Test Procedure:	Description of the Conducted Output Power Measurement The EUT is coupled to the SS with attenuator through power splitter; the RF load attached to EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. A system simulator is used to establish communication with the EUT, and its parameters are set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported. The relevant equation for determining the conducted measured value is: Conducted Output Power Value (dBm) = Measured Value (dBm) + Path Loss (dB) where: Conducted Output Power Value = final conducted measured value in the conducted power test, in dBm; Measured Value = measured conducted power received by spectrum analyzer or power meter, in dBm; Path Loss = signal attenuation in the connecting cable between the transmitter and spectrum analyzer or power meter, including external cable loss, in dB; During the test, the data of Path Loss (dB) is added in the spectrum analyzer or power meter, so Measured Value (dBm) is the final values which contains the data of Path Loss (dB). For example: In the conducted output power test, when measured value for GSM850 is 24.7 dBm, and path loss is 8.5 dB, then final conducted output power value is: Conducted Output Power Value (dBm) = 24.7 dBm + 8.5 dB = 33.2 dBm Description of the Transmitter Radiated Power Measurement In many cases, the RF output power limits for licensed digital transmission devices is specified in terms of effective radiated power (ERP) or equivalent isotropic radiated power (EIRP). Typically, ERP is specified when the operating frequency is less than or equal to 1 GHz and EIRP is specified when the operating frequency is greater than 1 GHz. Both are determined by adding the transmit antenna gain to the conducted RF output power with the primary difference between the two being that when determining the ERP, the transmit antenna gain is referenced to a dipole antenna (i.e., dBd) whereas when determining the EIRP, the transmit antenna gain is referenced to an isotropic antenna (dBi).

	Final measurement calculation as below: The relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is: $\text{ERP/EIRP} = \text{PMeas} + \text{GT} - \text{LC}$ where: ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as PMeas, typically dBW or dBm); PMeas = measured transmitter output power or PSD, in dBm or dBW; GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP); dBd (ERP)=dBi (EIRP) -2.15 dB LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB. For devices utilizing multiple antennas, KDB 662911 provides guidance for determining the effective array transmit antenna gain term to be used in the above equation. For example: In the EIRP test, when PMeas value for GSM1900 is 30.2 dBm, LC is 0.6 dB, and GT is -3.4 dB, then final EIRP value is: $\text{EIRP for GSM1900} = 30.2 \text{ dBm} - 3.4 \text{ dBi} - 0.6 \text{ dB} = 26.2 \text{ dBm}$ The relevant equation for determining the ERP/EIRP from the radiated RF output power is: $\text{ERP/EIRP (dBm)} = \text{SA Read Value (dBm)} + \text{Correction Factor (dB)}$ where: ERP/EIRP = effective or equivalent radiated power, in dBm; SA Read Value = measured transmitter power received by EMI receiver or spectrum analyzer, in dBm; Correction Factor = total correction factor including cable loss, in dB; During the test, the data of Correction Factor (dB) is added in the EMI receiver or spectrum analyzer, so SA Read Value (dBm) is the final values which contains the data of Correction Factor (dB). For example: In the ERP test, when SA read value for GSM850 is 21dBm, and correction factor is 8dB, then final ERP value for GSM850 is: $\text{ERP (dBm)} = 21\text{dBm} + 8\text{dB} = 29\text{dBm}$
Test Instruments:	Refer to section 3.0 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass (Please refer to ANNEX for the test results)

4.4 Peak-to-Average Ratio

Test Requirement:	FCC part24.232(d)
Test Method:	FCC part2.1046
Limit:	13db
Test setup:	 <i>Note: Measurement setup for testing on Antenna connector</i>
Test Procedure:	1. The transmitter output port was connected to base station. 2. The RF output of EUT was connected to the Signal Analyzer by RF cable and attenuator, the path loss was compensated to the results for each measurement. 3. Set EUT at maximum power through base station. 4. Select lowest, middle, and highest channels for each band and different modulation. 5. Measure the maximum burst average power. 6. Record the maximum peak-to-average ratio value.
Test Instruments:	Refer to section 3.0 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass (Please refer to ANNEX for the test results)

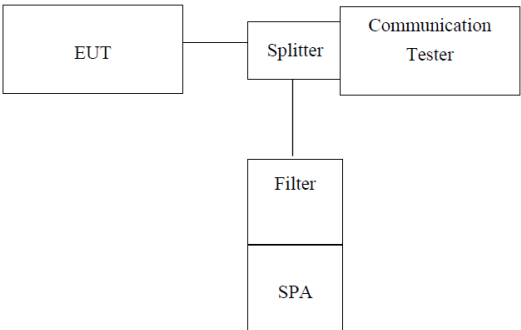
4.5 Occupy Bandwidth

Test Requirement:	FCC part2.1049
Test Method:	FCC part2.1049
Test setup:	 <i>Note: Measurement setup for testing on Antenna connector</i>
Test Procedure:	1. The EUT's output RF connector was connected with a short cable to the spectrum analyzer 2. RBW was set to about 1% of emission BW, VBW= 3 times RBW. 3. -26dBc display line was placed on the screen (or 99% bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace.
Test Instruments:	Refer to section 3.0 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass (Please refer to ANNEX for the test results)

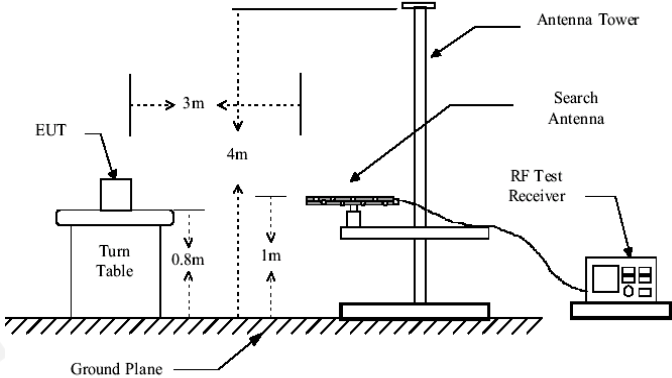
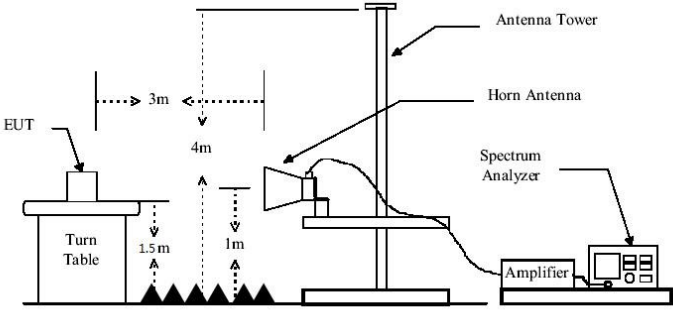
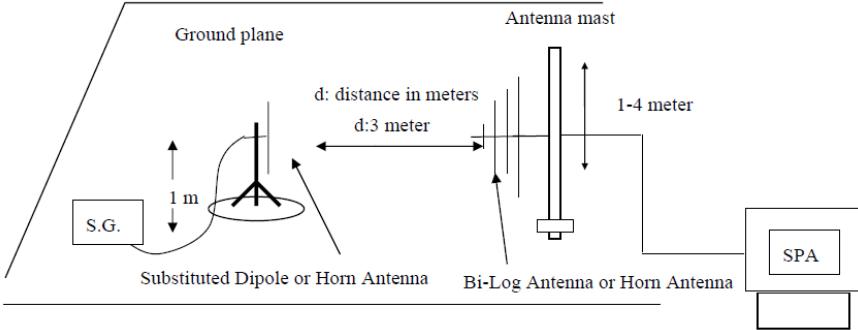
4.6 MODULATION CHARACTERISTIC

According to FCC § 2.1047(d), Part 22H & 24E there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

4.7 Out of band emission at antenna terminals

Test Requirement:	FCC part22.917(a) and FCC part24.238(a)
Test Method:	FCC part2.1051
Limit:	-13dBm
Test setup:	 <i>Note: Measurement setup for testing on Antenna connector</i>
Test Procedure:	1 The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. 2 The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic. 3 For the out of band: Set the RBW, VBW = 1MHz, Start=30MHz, Stop= 10th harmonic. 4 Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.
Test Instruments:	Refer to section 3.0 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass (Please refer to ANNEX for the test results)

4.8 Field strength of spurious radiation measurement

Test Requirement:	FCC part22.917(a) and FCC part24.238(a)
Test Method:	FCC part2.1053
Limit:	-13dBm
Test setup:	Below 1GHz  Above 1GHz  Substituted method: 

Test Procedure:	1. The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. 2. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations. 3. The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method. 4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency. $\text{ERP / EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain(dB/dBi)} - \text{Cable Loss (dB)}$
Test Instruments:	Refer to section 3.0 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass

Measurement Data(Worst case scenario):

Test mode:	WCDMA Band II		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3706.30	Vertical	-37.12	-13.00	Pass
5557.78	V	-39.28		
7408.78	V	-38.01		
9261.84	V	-43.76		
11113.53	V	-38.39		
3703.93	Horizontal	-39.38	-13.00	Pass
5557.82	H	-42.65		
7409.79	H	-44.98		
9261.49	H	-45.73		
11113.73	H	-37.67		
Test mode:	WCDMA Band II		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.44	Vertical	-37.05	-13.00	Pass
5640.39	V	-39.87		
7520.51	V	-38.48		
9400.42	V	-42.86		
11279.34	V	-37.51		
3760.46	Horizontal	-38.86	-13.00	Pass
5640.56	H	-42.14		
7520.71	H	-44.94		
9399.34	H	-45.54		
11280.59	H	-37.76		
Test mode:	WCDMA Band II		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3813.65	Vertical	-37.20	-13.00	Pass
5720.76	V	-39.35		
7628.46	V	-37.89		
9535.35	V	-42.94		
11442.30	V	-38.30		
3814.61	Horizontal	-38.72	-13.00	Pass
5720.47	H	-42.08		
7628.10	H	-45.14		
9535.51	H	-46.29		
11442.36	H	-37.59		

Test mode:	HSDPA Band II		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3703.56	Vertical	-37.27	-13.00	Pass
5558.49	V	-39.38		
7410.75	V	-37.71		
9261.85	V	-43.69		
11113.15	V	-37.53		
3703.38	Horizontal	-38.95	-13.00	Pass
5556.11	H	-42.97		
7410.27	H	-45.09		
9261.58	H	-46.40		
11115.06	H	-37.51		
Test mode:	HSDPA Band II		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3759.52	Vertical	-36.70	-13.00	Pass
5640.64	V	-39.31		
7519.49	V	-37.87		
9400.14	V	-42.90		
11279.84	V	-38.29		
3759.34	Horizontal	-39.08	-13.00	Pass
5640.51	H	-42.07		
7519.81	H	-44.38		
9400.45	H	-46.45		
11280.18	H	-37.88		
Test mode:	HSDPA Band II		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3813.52	Vertical	-36.35	-13.00	Pass
5720.32	V	-39.53		
7627.88	V	-37.95		
9535.02	V	-43.63		
11441.58	V	-37.72		
3814.51	Horizontal	-39.07	-13.00	Pass
5721.67	H	-42.73		
7628.30	H	-45.05		
9534.27	H	-45.84		
11442.28	H	-37.58		

Test mode:	HSUPA Band II		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3704.46	Vertical	-37.26	-13.00	Pass
5557.05	V	-39.23		
7408.29	V	-37.63		
9262.34	V	-43.71		
11114.60	V	-37.92		
3703.72	Horizontal	-38.64	-13.00	Pass
5555.85	H	-42.17		
7410.42	H	-45.19		
9262.39	H	-45.71		
11115.19	H	-37.94		
Test mode:	HSUPA Band II		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.22	Vertical	-36.69	-13.00	Pass
5639.77	V	-39.07		
7519.48	V	-38.47		
9399.93	V	-43.67		
11280.37	V	-38.34		
3759.76	Horizontal	-38.59	-13.00	Pass
5640.64	H	-43.05		
7520.11	H	-45.35		
9399.69	H	-45.54		
11280.56	H	-37.58		
Test mode:	HSUPA Band II		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3814.34	Vertical	-36.75	-13.00	Pass
5720.85	V	-39.50		
7627.95	V	-38.43		
9534.58	V	-43.04		
11441.71	V	-37.67		
3814.39	Horizontal	-39.46	-13.00	Pass
5721.06	H	-42.12		
7627.42	H	-44.63		
9535.28	H	-45.50		
11442.29	H	-37.95		

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Remark"---" means that the emission level is too low to be measured
3. The emission levels of below 1 GHz are very lower than the limit and not show in test report.

Test mode:	WCDMA Band V		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1654.23	Vertical	-36.35	-13.00	Pass
2480.37	V	-39.49		
3304.97	V	-38.46		
4133.27	V	-43.11		
4959.77	V	-37.85		
1651.89	Horizontal	-39.34	-13.00	Pass
2479.95	H	-42.13		
3305.12	H	-44.40		
4132.73	H	-46.20		
4958.12	H	-37.62		
Test mode:	WCDMA Band V		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1672.14	Vertical	-37.25	-13.00	Pass
2509.03	V	-39.38		
3346.26	V	-38.25		
4181.28	V	-42.90		
5018.72	V	-38.15		
1672.93	Horizontal	-39.24	-13.00	Pass
2509.82	H	-42.52		
3345.95	H	-44.41		
4181.65	H	-46.23		
5018.27	H	-37.90		
Test mode:	WCDMA Band V		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1692.80	Vertical	-37.13	-13.00	Pass
2539.99	V	-39.78		
3386.34	V	-38.42		
4232.33	V	-43.00		
5079.05	V	-37.79		
1692.83	Horizontal	-39.36	-13.00	Pass
2539.25	H	-42.83		
3386.03	H	-45.34		
4233.09	H	-45.78		
5080.07	H	-38.26		

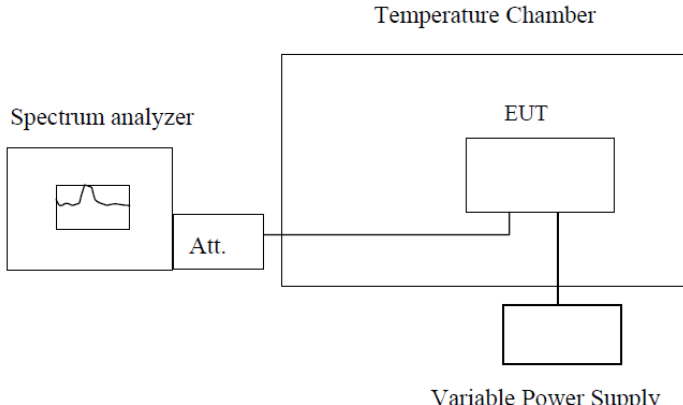
Test mode:	HSDPA Band V		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1652.85	Vertical	-36.74	-13.00	Pass
2480.64	V	-39.81		
3306.64	V	-38.44		
4132.13	V	-42.92		
4959.16	V	-37.54		
1654.22	Horizontal	-39.44	-13.00	Pass
2479.84	H	-42.73		
3304.21	H	-44.93		
4130.86	H	-45.82		
4958.85	H	-38.38		
Test mode:	HSDPA Band V		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1673.06	Vertical	-36.56	-13.00	Pass
2509.89	V	-39.78		
3345.25	V	-38.16		
4182.02	V	-43.50		
5019.04	V	-38.44		
1672.93	Horizontal	-39.31	-13.00	Pass
2509.53	H	-42.94		
3345.77	H	-44.89		
4182.45	H	-45.91		
5017.89	H	-37.80		
Test mode:	HSDPA Band V		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1693.74	Vertical	-36.67	-13.00	Pass
2539.41	V	-39.47		
3386.29	V	-38.47		
4233.65	V	-43.04		
5079.60	V	-37.88		
1692.91	Horizontal	-39.34	-13.00	Pass
2539.55	H	-42.48		
3386.76	H	-44.88		
4232.30	H	-46.46		
5078.91	H	-38.07		

Test mode:	HSUPA Band V		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1652.03	Vertical	-36.84	-13.00	Pass
2478.82	V	-39.55		
3304.82	V	-37.92		
4130.54	V	-43.63		
4958.06	V	-38.41		
1651.68	Horizontal	-38.67	-13.00	Pass
2480.40	H	-42.55		
3304.89	H	-44.84		
4131.66	H	-46.35		
4958.83	H	-38.01		
Test mode:	HSUPA Band V		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1673.10	Vertical	-36.42	-13.00	Pass
2508.49	V	-39.62		
3345.25	V	-38.11		
4182.62	V	-42.84		
5018.50	V	-37.83		
1673.41	Horizontal	-39.47	-13.00	Pass
2509.80	H	-42.93		
3346.29	H	-45.08		
4181.96	H	-45.70		
5018.77	H	-38.27		
Test mode:	HSUPA Band V		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1692.99	Vertical	-37.12	-13.00	Pass
2539.26	V	-39.21		
3386.40	V	-37.58		
4233.33	V	-43.11		
5079.49	V	-38.37		
1693.29	Horizontal	-38.85	-13.00	Pass
2539.18	H	-42.95		
3385.94	H	-45.07		
4233.26	H	-46.22		
5079.38	H	-37.64		

Remark :

1. The emission behaviour belongs to narrowband spurious emission.
2. Remark"---" means that the emission level is too low to be measured
3. The emission levels of below 1 GHz are very lower than the limit and not show in test report.

4.9 Frequency stability measurement

Test Requirement:	Part 2.1055(a)(1)(b), Part 2.1055(d)(1)(2)
Test Method:	ANSI C63.26:2015
Limit:	2.5ppm
Test setup:	 Note : Measurement setup for testing on Antenna connector
Test procedure:	1. The equipment under test was connected to an external DC power supply and input rated voltage. 2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. 3. The EUT was placed inside the temperature chamber. 4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency. 5. Turn EUT off and set the chamber temperature to –20°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. 6. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.
Test Instruments:	Refer to section 3.0 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass (Please refer to ANNEX for the test results)

5 Photos of test setup

Reference to the **appendix I Test Setup Photo** for details.

6 Photos of EUT

Reference to the **appendix II external photos** and **appendix III internal photos** for details.

----- END OF REPORT-----

