



Report No	CHTEW20080143 SHT2005099309EW	Report verification:
FCC ID	2ANY6-TE590P	
Applicant's name	Telo Systems Ltd.	
Address	6/F, No.42 Liuxian 1st Road, Ba	o'an District, Shenzhen, China
Manufacturer	Telo Systems Ltd.	
Address	6/F, No.42 Liuxian 1st Road, Ba	o'an District, Shenzhen, China
Test item description	Smart Phone	
Trade Mark	Telo Systems	
Model/Type reference	TE590P	
Listed Model(s)	TE590PLUS	
Standard :	FCC CFR Title 47 Part 2 FCC CFR Title 47 Part 22 FCC CFR Title 47 Part 24	
Date of receipt of test sample:	Jun.30, 2020	
Date of testing	Jun.30, 2020- Aug.17, 2020	
Date of issue	Aug.18, 2020	
Result	Pass	
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Testing Laboratory Name::	Shenzhen Huatongwei Interna	tional Inspection Co., Ltd.
Address	1/F, Bldg 3, Hongfa Hi-tech Indu Tianliao, Gongming, Shenzhen,	

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The test report merely correspond to the test sample.

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1. TEST STANDARDS AND REPORT VERSION

1.1. Applicable Standards

The tests were performed according to following standards:

FCC Rules Part 2: FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS

FCC Rules Part 22: PUBLIC MOBILE SERVICES

FCC Rules Part 24: PERSONAL COMMUNICATIONS SERVICES

<u>TIA/EIA 603 E March 2016</u>:Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.

ANSI C63.26: 2015: American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

KDB 971168 D01 Power Meas License Digital Systems v03: MEASUREMENT GUIDANCE FOR CERTIFICATION OF LICENSED DIGITAL TRANSMITTERS

1.2. Report version information

Revision No.	Date of issue	Description
N/A	2020-08-18	Original

2. Test Description

Test Item	Section in CFR 47	Result	Test Engineer
	Part 2.1046		
Conducted Output Power	Part 22.913(a)	Pass	Jiongsheng Feng
	Part 24.232(c)		
Peak-to-Average Ratio	Part 24.232	Pass	Jiongsheng Feng
	Part 2.1049		
99% Occupied Bandwidth & 26 dB Bandwidth	Part 22.917(b)	Pass	Jiongsheng Feng
Bandwidth	Part 24.238(b)		
	Part 2.1051		
Band Edge	Part 22.917	Pass	Jiongsheng Feng
	Part 24.238		
	Part 2.1051		
Conducted Spurious Emissions	Part 22.917	Pass	Jiongsheng Feng
	Part 24.238		
	Part 2.1055(a)(1)(b)		
Frequency stability vs temperature	Part 22.355	Pass	Jiongsheng Feng
	Part 24.235		
	Part 2.1055(d)(1)(2)		
Frequency stability vs voltage	Part 22.355	Pass	Jiongsheng Feng
	Part 24.235		
EPD and EIDD	Part 22.913(a)	Deee	Pan Xie
ERP and EIRP	Part 24.232(b)	Pass	Pan Ale
	Part 2.1053		
Radiated Spurious Emissions	Part 22.917	Pass	Pan Xie
	Part 24.238		

Note: The measurement uncertainty is not included in the test result.

3. SUMMARY

3.1. Client Information

Applicant:	Telo Systems Ltd.
Address:	6/F, No.42 Liuxian 1st Road, Bao'an District, Shenzhen, China
Manufacturer:	Telo Systems Ltd.
Address:	6/F, No.42 Liuxian 1st Road, Bao'an District, Shenzhen, China

3.2. Product Description

Name of EUT:	Smart Phone			
Trade Mark:	Telo Systems			
Model No.:	TE590P			
Listed Model(s):	TE590PLUS			
SIM Information:	Support One SIM Card			
Power supply:	DC 3.8V			
Hardware version:	TD058_MB_V2.0_20191224			
Software version:	TE590P_SIN_V1_20200810			
3G:				
Operation Band:	FDD Band II, FDD Band V			
Power Class:	Class 3			
Modulation Type:	QPSK			
Transmit frequency:	FDD Band II: 1852.40MHz~1907.60MHz FDD Band V: 826.40MHz~846.60MHz			
Receive frequency:	FDD Band II: 1932.40MHz~1987.60MHz FDD Band V: 871.40MHz~891.60MHz			
Antenna type:	PIFA			
Antenna gain:	Band II: 2.09dBi, Band V: 2.28dBi			

3.3. Operation state

Test frequency list

FDD I	Band II	FDD Ba	and V
Channel	Frequency (MHz)	Channel	Frequency (MHz)
9262	1852.40	4132	826.40
9400	1880.00	4183	836.60
9538	1907.60	4233	846.60

Test mode

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 Power Meas. License Digital Systems v03 and ANSI C63.26-2015 with maximum output power.

Radiated measurements were performed with rotating EUT in different three orthogonal test planes to find the maximum emission.

Radiated emissions were investigated as following frequency range:

30 MHz to 10th harmonic for FDD Band II, Band V.

All modes and data rates and positions were investigated.

Test modes are chosen to be reported as the worst case configuration below:

Test modes							
Band	Conducted						
WCDMA Band V	RMC 12.2Kbps Link	RMC 12.2Kbps Link					
WCDMA Band II	RMC 12.2Kbps Link	RMC 12.2Kbps Link					

3.4. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

- supplied by the manufacturer
- supplied by the lab

	1	Manufacturer:	/
0	7	Model No.:	/
0	1	Manufacturer:	/
0	7	Model No.:	/

3.5. Modifications

No modifications were implemented to meet testing criteria.

4. TEST ENVIRONMENT

4.1. Address of the test laboratory

Laboratory: Shenzhen Huatongwei International Inspection Co., Ltd. Address: 1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China.

4.2. Test Facility

CNAS-Lab Code: L1225

Shenzhen Huatongwei International Inspection Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories.

A2LA-Lab Cert. No.: 3902.01

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

FCC-Registration No.: 762235

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files.

IC-Registration No.:5377A

Two 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No.: 5377A.

ACA

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our A2LA accreditation.

4.3. Equipments Used during the Test

Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Signal and spectrum Analyzer	R&S	HTWE0242	FSV40	100048	2019/10/26	2020/10/25
•	Spectrum Analyzer	Agilent	HTWE0286	N9020A	MY50510187	2019/10/26	2020/10/25
•	Radio communication tester	R&S	HTWE0287	CMW500	137688-Lv	2019/10/26	2020/10/25
•	Test software	Tonscend	N/A	JS1120	N/A	N/A	N/A

•	Radiated Spurious Emission								
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)		
•	Semi-Anechoic Chamber	Albatross projects	HTWE0122	SAC-3m-01	N/A	2018/09/27	2021/09/26		
•	Spectrum Analyzer	R&S	HTWE0098	FSP40	100597	2019/10/26	2020/10/25		
•	Loop Antenna	R&S	HTWE0170	HFH2-Z2	100020	2018/04/02	2021/04/01		
•	Broadband Horn Antenna	SCHWARZBECK	HTWE0103	BBHA9170	BBHA9170472	2018/10/11	2021/10/11		
•	Ultra-Broadband Antenna	SCHWARZBECK	HTWE0123	VULB9163	538	2018/04/04	2021/04/03		
•	Horn Antenna	SCHWARZBECK	HTWE0126	9120D	1011	2020/04/01	2023/03/31		
•	Pre-amplifier	CD	HTWE0071	PAP-0102	12004	2019/11/14	2020/11/13		
•	Broadband Preamplifier	SCHWARZBECK	HTWE0201	BBV 9718	9718-248	2020/05/23	2021/05/22		
•	RF Connection Cable	HUBER+SUHNER	HTWE0120- 01	6m 18GHz S Serisa	N/A	2020/05/10	2021/05/09		
•	RF Connection Cable	HUBER+SUHNER	HTWE0120- 02	6m 3GHz RG Serisa	N/A	2020/05/10	2021/05/09		
•	RF Connection Cable	HUBER+SUHNER	HTWE0120- 03	6m 3GHz RG Serisa	N/A	2020/05/10	2021/05/09		
•	RF Connection Cable	HUBER+SUHNER	HTWE0120- 04	6m 3GHz RG Serisa	N/A	2020/05/10	2021/05/09		
•	RF Connection Cable	HUBER+SUHNER	HTWE0121- 01	6m 18GHz S Serisa	N/A	2020/05/10	2021/05/09		
•	EMI Test Software	Audix	N/A	E3	N/A	N/A	N/A		

•	Auxiliary Equipment								
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)		
•	Climate chamber	ESPEC	HTWE0254	GPL-2	N/A	2019/10/23	2020/10/22		
•	DC Power Supply	Gwinstek	HTWE0274	SPS-2415	GER835793	N/A	N/A		

4.4. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

	VN=Nominal Voltage	DC 3.80V				
Voltage	VL=Lower Voltage	DC 3.60V				
	VH=Higher Voltage	DC 4.35V				
Tamanaratura	TN=Normal Temperature	25 °C				
Temperature	Extreme Temperature	From −30° to + 50° centigrade				
Humidity	30~60 %					
Air Pressure	950-1050 hPa					

4.5. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01"Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics;Part 1"and TR-100028-02 "Electromagnetic compatibility Radio spectrum Matters (ERM);Uncertainties compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement characteristics;Part 2 " and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Huatongwei laboratory is reported:

Test Items	Measurement Uncertainty	Notes
Transmitter power conducted	0.51 dB	(1)
Transmitter power Radiated	2.66dB for <1GHz 3.44dB for >1GHz	(1)
Conducted spurious emissions 9kHz~40GHz	0.51 dB	(1)
Radiated spurious emissions	2.66dB for <1GHz 3.44dB for >1GHz	(1)
Occupied Bandwidth	15Hz for <1GHz 70Hz for >1GHz	(1)
Frequency error	15Hz for <1GHz 70Hz for >1GHz	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

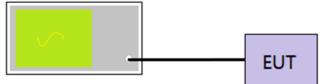
5. TEST CONDITIONS AND RESULTS

5.1. Conducted Output Power

<u>LIMIT</u>

N/A

TEST CONFIGURATION



Communication Tester

TEST PROCEDURE

- 1. The EUT output port was connected to communication tester.
- 2. Set EUT at maximum power through communication tester.
- 3. Select lowest, middle, and highest channels for each band and different modulation.
- 4. Measure the maximum burst average power.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☑ Passed □ Not Applicable

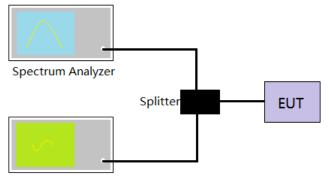
Refer to appendix A on the section 8 appendix report

5.2. Peak-Average Ratio

LIMIT

13dB

TEST CONFIGURATION



Communication Tester

TEST PROCEDURE

- 1. The EUT was connected to the spectrum analyzer and communication tester via a power splitter
- 2. Set EUT in maximum power output.
- 3. Center Frequency = Carrier frequency, RBW > Emission bandwidth of signal
- 4. The signal analyzer was set to collect one million samples to generate the CCDF curve
- 5. The measurement interval was set depending on the type of signal analyzed.
 - i. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms.
 - ii. For bursttransmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that issynced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in whichthetransmitter is operating at maximum power
- 6. Record the maximum PAPR level associated with a probability of 0.1%.

TEST MODE:

Please refer to the clause 3.3

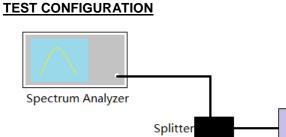
TEST RESULTS

☑ Passed □ Not Applicable

Refer to appendix B on the section 8 appendix report

5.3. 99% Occupied Bandwidth & 26 dB Bandwidth

<u>LIMIT</u> N/A



Communication Tester

TEST PROCEDURE

1. The EUT was connected to the spectrum analyzer and communication tester via a power splitter

EUT

- 2. Set EUT in maximum power output.
- 3. Spectrum analyzer setting as follow:

Center Frequency= Carrier frequency, RBW=1% to 5% of anticipated OBW, VBW= 3 * RBW, Detector=Peak,

Trace maximum hold.

4. Record the value of 99% Occupied bandwidth and -26dB bandwidth.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

🛛 Passed

Not Applicable

Refer to appendix C on the section 8 appendix report

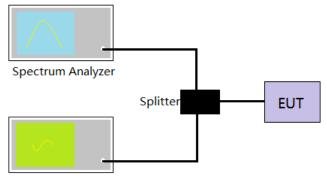
5.4. Band Edge

<u>LIMIT</u>

Part 24.238 and Part 22.917 specify that 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 $43 + 10 \log(P) dB$.

The specification that emissions shall be attenuated below the transmitter power (P) by at least 43 + 10 log (P) dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

TEST CONFIGURATION



Communication Tester

TEST PROCEDURE

- 1. The EUT was connected to the spectrum analyzer and communication tester via a power splitter
- 2. Set EUT in maximum power output.
- 3. The band edges of low and high channels were measured.
- 4. Spectrum analyzer setting as follow:

RBW=100KHz, VBW = 300KHz, Sweep time= Auto

5. Record the test plot.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☑ Passed □ Not Applicable

Refer to appendix D on the section 8 appendix report

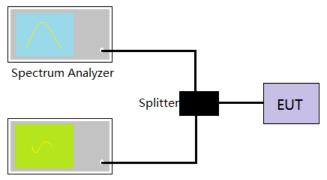
5.5. Conducted Spurious Emissions

<u>LIMIT</u>

Part 24.238 and Part 22.917 specify that 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.

The specification that emissions shall be attenuated below the transmitter power (P) by at least 43 + 10 log (P) dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

TEST CONFIGURATION



Communication Tester

TEST PROCEDURE

- 1. The EUT was connected to the spectrum analyzer and communication tester via a power splitter
- 2. Set EUT in maximum power output.
- Spectrum analyzer setting as follow: Below 1GHz, RBW=100KHz, VBW = 300KHz, Detector=Peak, Sweep time= Auto Above 1GHz, RBW=1MHz, VBW=3MHz, Detector=Peak, Sweep time= Auto Scan frequency range up to 10th harmonic.
- 4. Record the test plot.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☑ Passed □ Not Applicable

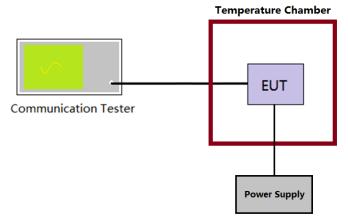
Refer to appendix E on the section 8 appendix report

5.6. Frequency stability VS Temperature measurement

LIMIT

2.5ppm

TEST CONFIGURATION



TEST PROCEDURE

- 1. The equipment under test was connected to an external DC power supply and input rated voltage.
- 2. The EUT output port was connected to communication tester.
- 3. The EUT was placed inside the temperature chamber.
- 4. Turn EUT off and set the chamber temperature to –30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency.
- 5. Repeat step 4 measure with 10°C increased per stage until the highest temperature of +50°C reached.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☑ Passed □ Not Applicable

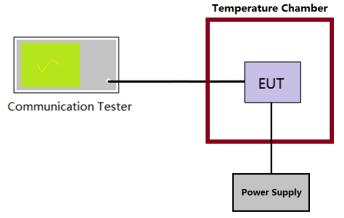
Refer to appendix F on the section 8 appendix report

5.7. Frequency stability VS Voltage measurement

<u>LIMIT</u>

2.5ppm

TEST CONFIGURATION



TEST PROCEDURE

- 1. The equipment under test was connected to an external DC power supply and input rated voltage.
- 2. The EUT output port was connected to communication tester.
- 3. The EUT was placed inside the temperature chamber at 25°C
- The power supply voltage to the EUT was varied ±15% of the nominal value measured at the input to the EUT
- 5. Record the maximum frequency change.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

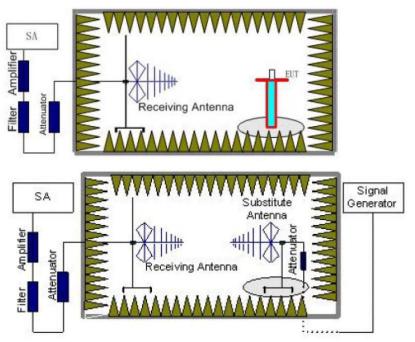
☑ Passed □ Not Applicable

Refer to appendix F on the section 8 appendix report

5.8. ERP and EIRP

LIMIT WCDMA Band V: 7W (38.45dBm) ERP WCDMA Band II: 2W (33dBm) EIRP

TEST CONFIGURATION



TEST PROCEDURE

- 1. Place the EUT in the center of the turntable.
 - a) For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, the EUT shall be placed on a RF-transparent table at a nominal height of 80 cm above the reference ground plane
 - b) For radiated measurements performed at frequencies above 1 GHz, the EUT shall be placed on an RF transparent table at a nominal height of 1.5 m above the ground plane.
- Unless the EUT uses an integral antenna, the EUT shall be terminated with a non-radiating transmitter load. In cases where the EUT uses an adjustable antenna, the antenna shall be adjusted through typical positions and lengths to maximize emissions levels.
- 3. The EUT shall be tested while operating on the frequency per manufacturer specification. Set the transmitter to operate in continuous transmit mode.
- Receiver or Spectrum set as follow: Below 1GHz, RBW=100kHz, VBW=300kHz, Detector=Peak, Sweep time=Auto Above 1GHz, RBW=1MHz, VBW=3MHz, Detector=Peck, Sweep time=Auto
- 5. Each emission under consideration shall be evaluated:
 - a) Raise and lower the measurement antenna from 1 m to 4 m, as necessary to enable detection of the maximum emission amplitude relative to measurement antenna height.
 - b) Rotate the EUT through 360° to determine the maximum emission level relative to the axial position.
 - c) Return the turntable to the azimuth where the highest emission amplitude level was observed.
 - d) Vary the measurement antenna height again through 1 m to 4 m again to find the height associated with the maximum emission amplitude.
 - e) Record the measured emission amplitude level and frequency
- 6. Repeat step 5 for each emission frequency with the measurement antenna oriented in both the horizontal and vertical polarizations to determine the orientation that gives the maximum emissions amplitude.
- Set-up the substitution measurement with the reference point of the substitution antenna located as near as possible to where the center of the EUT radiating element was located during the initial EUT measurement.
- 8. Maintain the previous measurement instrument settings and test set-up, with the exception that the EUT is removed and replaced by the substitution antenna.
- 9. Connect a signal generator to the substitution antenna; locate the signal generator so as to minimize any

potential influences on the measurement results. Set the signal generator to the frequency where emissions are detected, and set an output power level such that the radiated signal can be detected by the measurement instrument, with sufficient dynamic range relative to the noise floor.

- 10. For each emission that was detected and measured in the initial test
 - a) Vary the measurement antenna height between 1 m to 4 m to maximize the received (measured) signal amplitude.
 - b) Adjust the signal generator output power level until the amplitude detected by the measurement instrument equals the amplitude level of the emission previously measured directly in step 5 and step 6.
 - c) Record the output power level of the signal generator when equivalence is achieved in step b).
- 11. Repeat step 8 through step 10 with the measurement antenna oriented in the opposite polarization.
- 12. Calculate the emission power in dBm referenced to a half-wave dipole using the following equation:
 Pe = Ps(dBm) cable loss (dB) + antenna gain (dBd)
 where
 Pe = equivalent emission power in dBm
 - Ps = source (signal generator) power in dBm
 - NOTE—dBd refers to the measured antenna gain in decibels relative to a half-wave dipole.
- Correct the antenna gain of the substitution antenna if necessary to reference the emission power to a half-wave dipole. When using measurement antennas with the gain specified in dBi, the equivalent dipole-referenced gain can be determined from: gain (dBd) = gain (dBi) 2.15 dB.
- If necessary, the antenna gain can be calculated from calibrated antenna factor information
- 14. Provide the complete measurement results as a part of the test report.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☑ Passed □ Not Applicable

Mode	Channel	Antenna Pol.	EIRP	Limit (dBm)	Result
	9262	V	18.70		
	0202	Н	14.00		
WCDMA Band II	9400	V	19.25	<33.00	Pass
	5400	Н	14.89		
	9538	V	19.41		
	9000	Н	15.27		

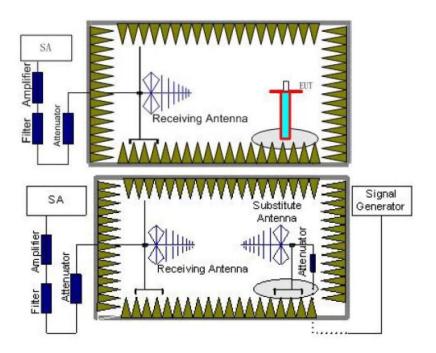
Mode	Channel	Antenna Pol.	ERP	Limit (dBm)	Result
	4132	V	21.17		
	4132	Н	20.68		
WCDMA Band V	4183	V	21.43	<38.45	Pass
	4105	Н	13.59	<30.45	F 855
	4233	V	22.04		
	4200	Н	14.62		

5.9. Radiated Spurious Emission

<u>LIMIT</u>

-13dBm

TEST CONFIGURATION



TEST PROCEDURE

- 1. Place the EUT in the center of the turntable.
 - a) For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, the EUT shall be placed on a RF-transparent table at a nominal height of 80 cm above the reference ground plane
 - b) For radiated measurements performed at frequencies above 1 GHz, the EUT shall be placed on an RF transparent table at a nominal height of 1.5 m above the ground plane.
- Unless the EUT uses an integral antenna, the EUT shall be terminated with a non-radiating transmitter load. In cases where the EUT uses an adjustable antenna, the antenna shall be adjusted through typical positions and lengths to maximize emissions levels.
- 3. The EUT shall be tested while operating on the frequency per manufacturer specification. Set the transmitter to operate in continuous transmit mode.
- Receiver or Spectrum set as follow: Below 1GHz, RBW=100kHz, VBW=300kHz, Detector=Peak, Sweep time=Auto Above 1GHz, RBW=1MHz, VBW=3MHz, Detector=Peck, Sweep time=Auto
- 5. Each emission under consideration shall be evaluated:
 - a) Raise and lower the measurement antenna from 1 m to 4 m, as necessary to enable detection of the maximum emission amplitude relative to measurement antenna height.
 - b) Rotate the EUT through 360° to determine the maximum emission level relative to the axial position.
 - c) Return the turntable to the azimuth where the highest emission amplitude level was observed.
 - d) Vary the measurement antenna height again through 1 m to 4 m again to find the height associated with the maximum emission amplitude.
 - e) Record the measured emission amplitude level and frequency
- 6. Repeat step 5 for each emission frequency with the measurement antenna oriented in both the horizontal and vertical polarizations to determine the orientation that gives the maximum emissions amplitude.
- Set-up the substitution measurement with the reference point of the substitution antenna located as near as possible to where the center of the EUT radiating element was located during the initial EUT measurement.
- 8. Maintain the previous measurement instrument settings and test set-up, with the exception that the EUT is removed and replaced by the substitution antenna.
- 9. Connect a signal generator to the substitution antenna; locate the signal generator so as to minimize any

potential influences on the measurement results. Set the signal generator to the frequency where emissions are detected, and set an output power level such that the radiated signal can be detected by the measurement instrument, with sufficient dynamic range relative to the noise floor.

- 10. For each emission that was detected and measured in the initial test
 - a) Vary the measurement antenna height between 1 m to 4 m to maximize the received (measured) signal amplitude.
 - b) Adjust the signal generator output power level until the amplitude detected by the measurement instrument equals the amplitude level of the emission previously measured directly in step 5 and step 6.
 - c) Record the output power level of the signal generator when equivalence is achieved in step b).
- 11. Repeat step 8 through step 10 with the measurement antenna oriented in the opposite polarization.
- 12. Calculate the emission power in dBm referenced to a half-wave dipole using the following equation:
 Pe = Ps(dBm) cable loss (dB) + antenna gain (dBd)
 where
 Pe = equivalent emission power in dBm
 - Ps = source (signal generator) power in dBm
 - NOTE—dBd refers to the measured antenna gain in decibels relative to a half-wave dipole.
- Correct the antenna gain of the substitution antenna if necessary to reference the emission power to a half-wave dipole. When using measurement antennas with the gain specified in dBi, the equivalent dipole-referenced gain can be determined from: gain (dBd) = gain (dBi) 2.15 dB.
- If necessary, the antenna gain can be calculated from calibrated antenna factor information
- 14. Provide the complete measurement results as a part of the test report.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☑ Passed □ Not Applicable

Note: Worst case at WCDMA Band II/ WCDMA Band V

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Channel: 4233	Channel: 4233					Polarization: Horizontal				
Mark	Frequency	Reading	Antenna	Cable	Preamp	Level	Limit	Over	Remark	
	MHz	dBm	dB	dB	dB	dBm	dBm	limit		
1	37.70	-72.01	28.63	6.53	30.80	-67.65	-13.00	-54.65	Peak	
2	389.45	-79.45	25.85	8.28	30.11	-75.43	-13.00	-62.43	Peak	
3	1355.70	-69.50	37.07	12.66	29.23	-49.00	-13.00	-36.00	Peak	
4	2361.07	-68.83	40.04	13.07	28.69	-44.41	-13.00	-31.41	Peak	
5	4359.43	-75.04	42.80	10.68	36.18	-57.74	-13.00	-44.74	Peak	
6	8027.71	-75.13	48.03	14.28	33.31	-46.13	-13.00	-33.13	Peak	
0	8027.71	-75.15	40.05	14.20	55.51	-40.15	-15.00	-35.15	Peak	
Channel: 4233					Polari	zation: Ver	tical			
Mark	Frequency	Reading	Antenna	Cable	Preamp		Limit	Over	Remark	
	MHz	dBm	dB	dB	dB	dBm	dBm	limit		
1	31.62	-61.24	20.79	6.47	30.85	-64.83	-13.00	-51.83	Peak	
2	400.56	-78.52	26.03	8.32	30.11	-74.28	-13.00	-61.28	Peak	
3	1349.75	-68.95	37.54	12.70	29.24	-47.95	-13.00	-34.95	Peak	
4	2257.08	-69.38	41.02	12.76	29,47	-45.07	-13.00	-32.07	Peak	
5									Peak	
	4653.42	-75.98	43.54	10.99	35.98	-57.43	-13.00	-44.43		
6	7433.79	-75.41	48.53	14.29	33.98	-46.57	-13.00	-33.57	Peak	
Channel: 4182					Polari	zation: Hor	rizontal			
Mark	Frequency	Reading	Antenna	Cable	Preamp	Level	Limit	Over	Remark	
	MHz	dBm	dB	dB	dB	dBm	dBm	limit		
1	31.74	-62.86	28.78	6.47	30.85	-58.46	-13.00	-45.46	Peak	
2	411.99	-77.95	26.01	8.35	30.17	-73.76	-13.00	-60.76	Peak	
						-48.96				
3	1379.74	-69.46	37.12	12.54	29.16		-13.00	-35.96	Peak	
4	2279.51	-69.45	40.50	12.82	29.39	-45.52	-13.00	-32.52	Peak	
5	4346.80	-75.12	42.76	10.70	36.20	-57.86	-13.00	-44.86	Peak	
6	7958.16	-75.51	48.08	14.42	33.32	-46.33	-13.00	-33.33	Peak	
Channel: 4182					Polari	zation: Ver	tical			
Mark	Frequency	Reading	Antenna	Cable	Preamp		Limit	Over	Remark	
	MHz	dBm	dB	dB	dB	dBm	dBm	limit		
1	90.19	-79.13	28.23	6.92	30.67	-74.65	-13.00	-61.65	Peak	
2	410.54	-78.08	25.63	8.34	30.17	-74.28	-13.00	-61.28	Peak	
3	1373.69	-69.32	37.65	12.57	29.17	-48.27	-13.00	-35.27	Peak	
4	2205.60	-69.43	41.66	12.61	29.63	-44.79	-13.00	-31.79	Peak	
5	4410.30	-74.51	43.04	10.64	36.15	-56.98	-13.00	-43.98	Peak	
6						-36.98				
6	7741.87	-76.60	48.47	14.55	33.17	-40./5	-13.00	-33.75	Peak	
Ohannah 4400					Polari	zation: Hor	rizontal			
Channel: 4132										
Mark	Frequency	Reading	Antenna	Cable	Preamp	Level	Limit	Over	Remark	
									Remark	
Mark	MHz	dBm	dB	dB	dB	dBm	dBm	limit		
Mark 1	MHz 40.03	dBm -76.04	dB 28.56	dB 6.56	dB 30.86	dBm -71.78	dBm -13.00	limit -58.78	Peak	
Mark 1 2	MHz 40.03 390.82	dBm -76.04 -78.53	dB 28.56 25.89	dB 6.56 8.28	dB 30.86 30.11	dBm -71.78 -74.47	dBm -13.00 -13.00	limit -58.78 -61.47	Peak Peak	
Mark 1 2 3	MHz 40.03 390.82 1284.65	dBm -76.04 -78.53 -69.13	dB 28.56 25.89 36.92	dB 6.56 8.28 12.70	dB 30.86 30.11 29.39	dBm -71.78 -74.47 -48.90	dBm -13.00 -13.00 -13.00	limit -58.78 -61.47 -35.90	Peak Peak Peak	
Mark 1 2 3 4	MHz 40.03 390.82 1284.65 2205.60	dBm -76.04 -78.53 -69.13 -69.68	dB 28.56 25.89 36.92 40.94	dB 6.56 8.28 12.70 12.61	dB 30.86 30.11 29.39 29.63	dBm -71.78 -74.47 -48.90 -45.76	dBm -13.00 -13.00 -13.00 -13.00	limit -58.78 -61.47 -35.90 -32.76	Peak Peak Peak Peak	
Mark 1 2 3 4 5	MHz 40.03 390.82 1284.65 2205.60 4481.22	dBm -76.04 -78.53 -69.13 -69.68 -75.40	dB 28.56 25.89 36.92 40.94 43.15	dB 6.56 8.28 12.70 12.61 10.66	dB 30.86 30.11 29.39 29.63 36.25	dBm -71.78 -74.47 -48.90 -45.76 -57.84	dBm -13.00 -13.00 -13.00 -13.00 -13.00	limit -58.78 -61.47 -35.90 -32.76 -44.84	Peak Peak Peak Peak Peak	
Mark 1 2 3 4	MHz 40.03 390.82 1284.65 2205.60	dBm -76.04 -78.53 -69.13 -69.68	dB 28.56 25.89 36.92 40.94	dB 6.56 8.28 12.70 12.61	dB 30.86 30.11 29.39 29.63	dBm -71.78 -74.47 -48.90 -45.76	dBm -13.00 -13.00 -13.00 -13.00	limit -58.78 -61.47 -35.90 -32.76	Peak Peak Peak Peak	
Mark 1 2 3 4 5	MHz 40.03 390.82 1284.65 2205.60 4481.22	dBm -76.04 -78.53 -69.13 -69.68 -75.40	dB 28.56 25.89 36.92 40.94 43.15	dB 6.56 8.28 12.70 12.61 10.66	dB 30.86 30.11 29.39 29.63 36.25 33.33	dBm -71.78 -74.47 -48.90 -45.76 -57.84	dBm -13.00 -13.00 -13.00 -13.00 -13.00 -13.00	limit -58.78 -61.47 -35.90 -32.76 -44.84	Peak Peak Peak Peak Peak	
Mark 1 2 3 4 5 6 Channel: 4132	MHz 40.03 390.82 1284.65 2205.60 4481.22 7912.13	dBm -76.04 -78.53 -69.13 -69.68 -75.40 -75.14	dB 28.56 25.89 36.92 40.94 43.15 48.02	dB 6.56 8.28 12.70 12.61 10.66 14.56	dB 30.86 30.11 29.39 29.63 36.25 33.33 Polari	dBm -71.78 -74.47 -48.90 -45.76 -57.84 -45.89 zation: Ver	dBm -13.00 -13.00 -13.00 -13.00 -13.00 -13.00 -13.00	limit -58.78 -61.47 -35.90 -32.76 -44.84 -32.89	Peak Peak Peak Peak Peak Peak	
Mark 1 2 3 4 5 6	MHz 40.03 390.82 1284.65 2205.60 4481.22 7912.13 Frequency	dBm -76.04 -78.53 -69.13 -69.68 -75.40 -75.14 Reading	dB 28.56 25.89 36.92 40.94 43.15 48.02 Antenna	dB 6.56 8.28 12.70 12.61 10.66 14.56 Cable	dB 30.86 30.11 29.39 29.63 36.25 33.33 Polari	dBm -71.78 -74.47 -48.90 -45.76 -57.84 -45.89 Zation: Ver	dBm -13.00 -13.00 -13.00 -13.00 -13.00 -13.00 tical	limit -58.78 -61.47 -35.90 -32.76 -44.84 -32.89	Peak Peak Peak Peak Peak	
Mark 1 2 3 4 5 6 Channel: 4132 Mark	MHz 40.03 390.82 1284.65 2205.60 4481.22 7912.13 Frequency MHz	dBm -76.04 -78.53 -69.13 -69.68 -75.40 -75.14 Reading dBm	dB 28.56 25.89 36.92 40.94 43.15 48.02 Antenna dB	dB 6.56 8.28 12.70 12.61 10.66 14.56 Cable dB	dB 30.86 30.11 29.39 29.63 36.25 33.33 Polari dB	dBm -71.78 -74.47 -48.90 -45.76 -57.84 -45.89 Zation: Ver Level dBm	dBm -13.00 -13.00 -13.00 -13.00 -13.00 -13.00 tical Limit dBm	limit -58.78 -61.47 -35.90 -32.76 -44.84 -32.89 Over limit	Peak Peak Peak Peak Peak Peak	
Mark 1 2 3 4 5 6 Channel: 4132 Mark 1	MHz 40.03 390.82 1284.65 2205.60 4481.22 7912.13 Frequency MHz 90.19	dBm -76.04 -78.53 -69.13 -69.68 -75.40 -75.14 Reading dBm -78.33	dB 28.56 25.89 36.92 40.94 43.15 48.02 Antenna dB 28.23	dB 6.56 8.28 12.70 12.61 10.66 14.56 Cable dB 6.92	dB 30.86 30.11 29.39 29.63 36.25 33.33 Polari dB 30.67	dBm -71.78 -74.47 -48.90 -45.76 -57.84 -45.89 zation: Ver Level dBm -73.85	dBm -13.00 -13.00 -13.00 -13.00 -13.00 -13.00 tical Limit dBm -13.00	limit -58.78 -61.47 -35.90 -32.76 -44.84 -32.89 Over limit -60.85	Peak Peak Peak Peak Peak Remark	
Mark 1 2 3 4 5 6 Channel: 4132 Mark 1 2	MHz 40.03 390.82 1284.65 2205.60 4481.22 7912.13 Frequency MHz 90.19 400.56	dBm -76.04 -78.53 -69.13 -69.68 -75.40 -75.14 Reading dBm -78.33 -77.03	dB 28.56 25.89 36.92 40.94 43.15 48.02 Antenna dB 28.23 26.03	dB 6.56 8.28 12.70 12.61 10.66 14.56 Cable dB 6.92 8.32	dB 30.86 30.11 29.39 29.63 36.25 33.33 Polari dB 30.67 30.11	dBm -71.78 -74.47 -48.90 -45.76 -57.84 -45.89 zation: Ver Level dBm -73.85 -72.79	dBm -13.00 -13.00 -13.00 -13.00 -13.00 -13.00 tical Limit dBm -13.00 -13.00	limit -58.78 -61.47 -35.90 -32.76 -44.84 -32.89 Over limit -60.85 -59.79	Peak Peak Peak Peak Peak Peak Remark	
Mark 1 2 3 4 5 6 Channel: 4132 Mark 1 2 3	MHz 40.03 390.82 1284.65 2205.60 4481.22 7912.13 Frequency MHz 90.19 400.56 1402.66	dBm -76.04 -78.53 -69.13 -69.68 -75.40 -75.14 Reading dBm -78.33 -77.03 -69.08	dB 28.56 25.89 36.92 40.94 43.15 48.02 Antenna dB 28.23 26.03 37.76	dB 6.56 8.28 12.70 12.61 10.66 14.56 Cable dB 6.92 8.32 12.41	dB 30.86 30.11 29.39 29.63 36.25 33.33 Polari dB 30.67 30.11 29.10	dBm -71.78 -74.47 -48.90 -45.76 -57.84 -45.89 zation: Ver Level dBm -73.85 -72.79 -48.01	dBm -13.00 -13.00 -13.00 -13.00 -13.00 -13.00 tical Limit dBm -13.00 -13.00 -13.00	limit -58.78 -61.47 -35.90 -32.76 -44.84 -32.89 Over limit -60.85 -59.79 -35.01	Peak Peak Peak Peak Peak Peak Peak Peak	
Mark 1 2 3 4 5 6 Channel: 4132 Mark 1 2	MHz 40.03 390.82 1284.65 2205.60 4481.22 7912.13 Frequency MHz 90.19 400.56	dBm -76.04 -78.53 -69.13 -69.68 -75.40 -75.14 Reading dBm -78.33 -77.03	dB 28.56 25.89 36.92 40.94 43.15 48.02 Antenna dB 28.23 26.03	dB 6.56 8.28 12.70 12.61 10.66 14.56 Cable dB 6.92 8.32	dB 30.86 30.11 29.39 29.63 36.25 33.33 Polari dB 30.67 30.11	dBm -71.78 -74.47 -48.90 -45.76 -57.84 -45.89 zation: Ver Level dBm -73.85 -72.79	dBm -13.00 -13.00 -13.00 -13.00 -13.00 -13.00 tical Limit dBm -13.00 -13.00	limit -58.78 -61.47 -35.90 -32.76 -44.84 -32.89 Over limit -60.85 -59.79	Peak Peak Peak Peak Peak Peak Remark	
Mark 1 2 3 4 5 6 Channel: 4132 Mark 1 2 3	MHz 40.03 390.82 1284.65 2205.60 4481.22 7912.13 Frequency MHz 90.19 400.56 1402.66	dBm -76.04 -78.53 -69.13 -69.68 -75.40 -75.14 Reading dBm -78.33 -77.03 -69.08	dB 28.56 25.89 36.92 40.94 43.15 48.02 Antenna dB 28.23 26.03 37.76	dB 6.56 8.28 12.70 12.61 10.66 14.56 Cable dB 6.92 8.32 12.41	dB 30.86 30.11 29.39 29.63 36.25 33.33 Polari dB 30.67 30.11 29.10	dBm -71.78 -74.47 -48.90 -45.76 -57.84 -45.89 zation: Ver Level dBm -73.85 -72.79 -48.01	dBm -13.00 -13.00 -13.00 -13.00 -13.00 -13.00 tical Limit dBm -13.00 -13.00 -13.00	limit -58.78 -61.47 -35.90 -32.76 -44.84 -32.89 Over limit -60.85 -59.79 -35.01	Peak Peak Peak Peak Peak Peak Peak Peak	

Remark:

1.

The emission behaviour belongs to narrowband spurious emission. The emission levels of not record in the report are very lower than the limit and not show in test report. 2.

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Issued: 2020-08-18

					Polar	ization: Ho	rizontal		
Mark	Frequency	Reading	Antenna	Cable	Pream	p Level	Limit	Over	Remark
	MHz	dBm	dB	dB	dB	dBm	dBm	limit	
1	36.92	-76.01	28.65	6.53	30.78	-71.61	-13.00	-58.61	Peak
2	448.27	-78.48	26.14	8.48	30.35	-74.21	-13.00	-61.21	Peak
3	1327.69	-67.90	37.01	12.82	29.31	-47.38	-13.00	-34.38	Peak
4	2279.51	-69.44	40.50	12.82	29.39	-45.51	-13.00		Peak
5	5725.84	-72.01	43.90	12.43	34.86	-50.54	-13.00	-37.54	Peak
6	7630.40	-71.39	47.67	14.69	33.18	-42.21	-13.00	-29.21	Peak
Channel: 9538					Polar	ization: Ve	rtical		
Mark	Frequency	Reading	Antenna	Cable	Preamp	Level	Limit		Remark
	MHz	dBm	dB	dB	dB	dBm	dBm	limit	Deels
1 2	90.19	-78.95	28.23			-74.47		-61.47	Peak
2		-77.98 -69.23	25.97 37.76			-73.81 -48.22		-60.81 -35.22	Peak Peak
4		-69.25				-40.22 -44.59		-35.22	Peak
5		-67.89	41.98			-44.59		-31.39	Peak
6		-75.91				-51.55		-38.55	Peak
0	0240.40	-75.51	45.00	15.10	54.00	51.55	-15.00	- 58.55	FEAN
Channel: 9400	I				Polar	ization: Ho	rizontal		
Mark	Frequency	Reading	Antenna	Cable	Preamp		Limit	Over	Remark
	MHz	dBm	dB	dB	dB	dBm	dBm	limit	
1	90.19	-78.95	28.23	6.92	30.67	-74.47	-13.00	-61.47	Peak
2	401.97	-77.98	25.97	8.32	30.12	-73.81	-13.00	-60.81	Peak
3	1379.74	-68.88	37.12	12.54	29.16	-48.38	-13.00	-35.38	Peak
4	2322.48	-69.23	40.25	12.95	29.09	-45.12	-13.00	-32.12	Peak
5	5643.40	-74.17	43.78	12.46	35.00	-52.93	-13.00	-39.93	Peak
6	7520.54	-73.99	47.99	14.23	33.78	-45.55	-13.00	-32.55	Peak
Channel: 9400					Polar	rization: Ve	rtical		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Pream dB	p Level dBm	Limit dBm	Over limit	Remark
1	90.50	-77.89	28.13	6.92	30.67	-73.51	-13.00		
2	610.85	-78.75	27.90	8.98	31.19	-73.06	-13.00		
2	1369.17	-69.08	37.63	12.59	29.19	-48.05	-13.00		
4		-69.00	40.53	12.59	29.19	-40.05			
4	2207 11		40.55			-45.10	-13.00		
	2297.11		40.45			-56.29	-13.00		
5	3754.53	-71.13	42.15	9.82	37.13	40.00	12.00		
			42.15 47.92	9.82 14.49	37.13 33.32	-46.68	-13.00		
5 6	3754.53 7935.11	-71.13			33.32	-46.68			
5 6	3754.53 7935.11	-71.13			33.32	ization: Ho		-33.68	
5 6 Channel: 9262	3754.53 7935.11	-71.13 -75.77	47.92	14.49	Polar	ization: Ho	rizontal	-33.68	Peak Remark
5 6 Channel: 9262	3754.53 7935.11 Frequency	-71.13 -75.77 Reading	47.92 Antenna	14.49 Cable	33.32 Polar Pream	rization: Ho p Level	rizontal Limit	-33.68 Over limit	Peak Remark
5 6 Channel: 9262 Mark	3754.53 7935.11 Frequency MHz	-71.13 -75.77 Reading dBm	47.92 Antenna dB	14.49 Cable dB	33.32 Polar Pream dB	rization: Ho p Level dBm	rizontal Limit dBm	-33.68 Over limit -59.11	Peak Remark Peak
5 6 Channel: 9262 Mark 1	3754.53 7935.11 Frequency MHz 38.37	-71.13 -75.77 Reading dBm -76.45	47.92 Antenna dB 28.62	14.49 Cable dB 6.54	33.32 Polar Pream dB 30.82	rization: Ho p Level dBm -72.11	rizontal Limit dBm -13.00	-33.68 Over limit -59.11 -61.77	Peak Remark Peak Peak
5 6 Channel: 9262 Mark 1 2	3754.53 7935.11 Frequency MHz 38.37 378.65	-71.13 -75.77 Reading dBm -76.45 -78.34	47.92 Antenna dB 28.62 25.46	14.49 Cable dB 6.54 8.23	33.32 Polar Pream dB 30.82 30.12	rization: Ho p Level dBm -72.11 -74.77	rizontal Limit dBm -13.00 -13.00	-33.68 Over limit -59.11 -61.77 -35.58	Peak Remark Peak Peak Peak
5 6 Channel: 9262 Mark 1 2 3	3754.53 7935.11 Frequency MHz 38.37 378.65 1333.54	-71.13 -75.77 Reading dBm -76.45 -78.34 -69.09	47.92 Antenna dB 28.62 25.46 37.02	14.49 Cable dB 6.54 8.23 12.78	33.32 Polar Pream dB 30.82 30.12 29.29	Tization: Ho p Level dBm -72.11 -74.77 -48.58	rizontal Limit -13.00 -13.00 -13.00	-33.68 Over limit -59.11 -61.77 -35.58 -32.64	Peak Remark Peak Peak Peak Peak
5 6 Channel: 9262 Mark 1 2 3 4	3754.53 7935.11 Frequency MHz 38.37 378.65 1333.54 2376.69	-71.13 -75.77 Reading dBm -76.45 -78.34 -69.09 -70.18	47.92 Antenna dB 28.62 25.46 37.02 39.95	14.49 Cable dB 6.54 8.23 12.78 13.12	33.32 Polar Pream dB 30.82 30.12 29.29 28.53	Tization: Ho p Level -72.11 -74.77 -48.58 -45.64	rizontal Limit -13.00 -13.00 -13.00 -13.00	-33.68 Over limit -59.11 -61.77 -35.58 -32.64 -42.80	Peak Remark Peak Peak Peak Peak Peak
5 6 Channel: 9262 Mark 1 2 3 4 5	3754.53 7935.11 Frequency MHz 38.37 378.65 1333.54 2376.69 3705.85 5554.08	-71.13 -75.77 Reading dBm -76.45 -78.34 -69.09 -70.18 -70.81	47.92 Antenna dB 28.62 25.46 37.02 39.95 42.28	14.49 Cable dB 6.54 8.23 12.78 13.12 9.79	33.32 Polar Pream dB 30.82 30.12 29.29 28.53 37.06 35.25	Tization: Ho p Level dBm -72.11 -74.77 -48.58 -45.64 -55.80	rizontal Limit dBm -13.00 -13.00 -13.00 -13.00 -13.00 -13.00	-33.68 Over limit -59.11 -61.77 -35.58 -32.64 -42.80	Peak Remark Peak Peak Peak Peak Peak
5 6 Channel: 9262 Mark 1 2 3 4 5 6	3754.53 7935.11 Frequency MHz 38.37 378.65 1333.54 2376.69 3705.85 5554.08	-71.13 -75.77 Reading dBm -76.45 -78.34 -69.09 -70.18 -70.81	47.92 Antenna dB 28.62 25.46 37.02 39.95 42.28	14.49 Cable dB 6.54 8.23 12.78 13.12 9.79	33.32 Polar Pream dB 30.82 30.12 29.29 28.53 37.06 35.25	rization: Ho p Level dBm -72.11 -74.77 -48.58 -45.64 -55.80 -52.98 rization: Ve	rizontal Limit dBm -13.00 -13.00 -13.00 -13.00 -13.00 -13.00	-33.68 Over limit -59.11 -61.77 -35.58 -32.64 -42.80	Peak Remark Peak Peak Peak Peak Peak
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5 6 Channel: 9262 Mark 1 2 3 4 5 6 Channel: 9262 Mark 1 2	3754.53 7935.11 Frequency MHz 38.37 378.65 1333.54 2376.69 3705.85 5554.08 Frequency MHz 90.50 366.85	-71.13 -75.77 Reading dBm -76.45 -78.34 -69.09 -70.18 -70.81 -73.74 Reading dBm -77.60 -78.20	47.92 Antenna dB 28.62 25.46 37.02 39.95 42.28 43.80 Antenna dB 28.13 25.01	14.49 Cable dB 6.54 8.23 12.78 13.12 9.79 12.21 Cable dB 6.92 8.19	33.32 Polar Pream dB 30.82 30.12 29.29 28.53 37.06 35.25 Polar Preamp dB 30.67 30.12	ization: Ho p Level dBm -72.11 -74.77 -48.58 -45.64 -52.98 ization: Ve Level dBm -73.22 -75.12	rizontal Limit dBm -13.00 -13.00 -13.00 -13.00 rtical Limit dBm -13.00 -13.00 -13.00	-33.68 Over limit -59.11 -61.77 -35.58 -32.64 -42.80 -39.98 Over limit -60.22 -62.12	Peak Remark Peak Peak Peak Peak Peak Peak Peak Pea

Remark:

1. 2. The emission behaviour belongs to narrowband spurious emission.

The emission levels of not record in the report are very lower than the limit and not show in test report.

6. <u>TEST SETUP PHOTOS OF THE EUT</u>

Refere to the test report No.: CHTEW20080142

7. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

Refere to the test report No.: CHTEW20080142

8. APPENDIX REPORT