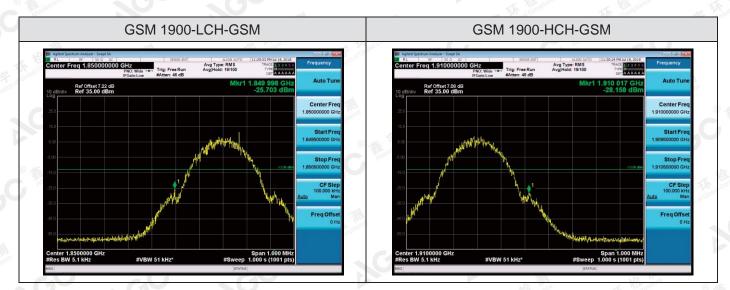
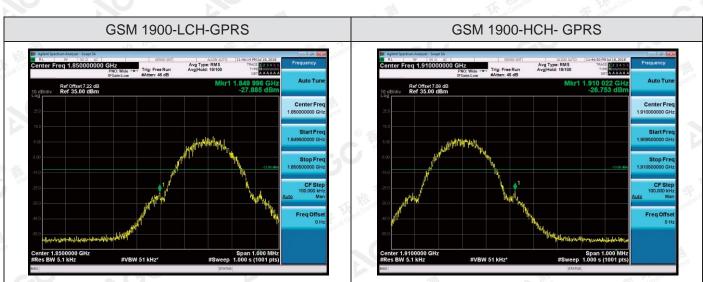


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For WCDMA

Test Band=WCDMA850/WCDMA1900

Test Mode=UMTS





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9. SPURIOUS EMISSION

9.1 CONDUCTED SPURIOUS EMISSION

9.1.1MEASUREMENT METHOD

The following steps outline the procedure used to measure the conducted emissions from the EUT. 1. The level of the carrier and the various conducted spurious and harmonic frequency is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the approximate frequencies. All data rates were investigated to determine the worst case configuration.

Determine frequency range for measurements: From CFR 2.1057 the spectrum should be investigated from the lowest radio frequency generated in the equipment up to at least the 10th harmonic of the carrier frequency. For the equipment of PCS1900 band, this equates to a frequency range of 30 MHz to 19.1 GHz, data taken from 30 MHz to 20 GHz. For GSM850, data taken from 30 MHz to 9 GHz.
Determine EUT transmit frequencies: the following typical channelswere chosen to conducted emissions testing.

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	-	unical Channel	a for tooting of	COM 050	and the second
		ypical Channel	s for testing of	G2INI 920	
	Channel			Frequency (MF	lz)
Gobal Control Gobal Control	128	CO M		824.2	The second se
CC These	190	AND AND		836.6	S = F of Gaba Comput
	251	The stand Com	The Astronom	848.8	- C Treasure C
TEL MARCO		C 22 NOT	(R) Alter and a	18 Par - 18 m	

	Typical Channel	s for testing of PCS 1	900	
Channel			Frequency (MHz)
512	THE THE	Contained Color	1850.2	S
661	C The sulfor of Glove		1880.0	
810	GU		1909.8	The sume

	Ту	pical Channels fo	or testing of UM	TS band II	
	Channel			Frequency (MHz)	
- C	9262	N		1852.4	I In Complant
No	9400	TA	ne The Con	1880	Atlestation
T Hanne	9538	C The station of Global	C Attestation of Con	1907.6	

Typical Ch	annels for testing of UN	MTS band V	
Channel		Frequency (MHz)	
4132	C C	826.4	N
4182		836.4	The the management
4233		846.6	C # toton of Global C



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9.1.2 PROVISIONS APPLICABLE

On any frequency outside frequency band of the USPCS spectrum, the power of any emission shall be attenuated below the transmitter power (P, in Watts) by at least 43+10Log(P) dB. For all power levels +30 dBm to 0 dBm, this becomes a constant specification limit of -13 dBm.





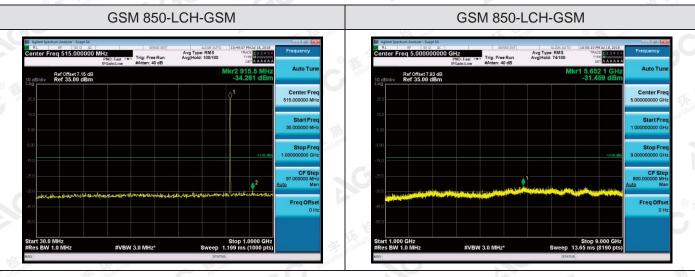
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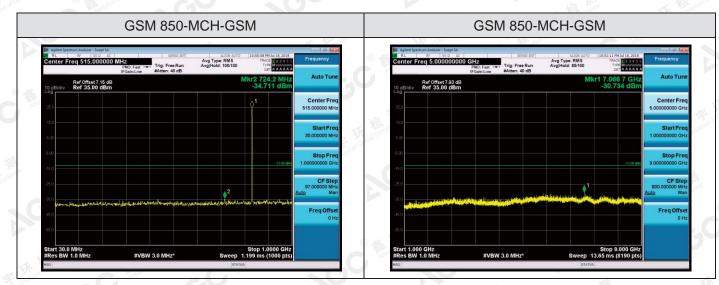
9.1.3MEASUREMENT RESULT

Test Results

Test Band=GSM850/GSM1900

Test Mode=GSM/GPRS



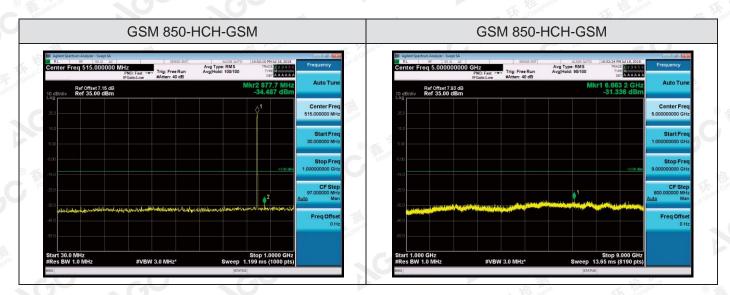


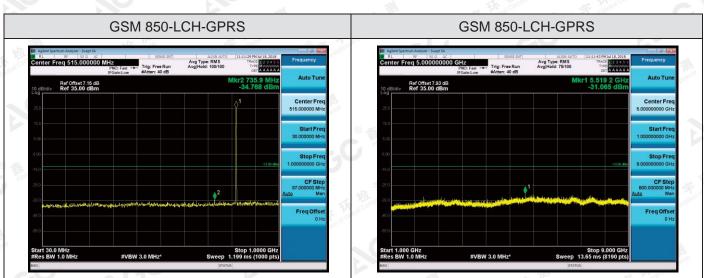
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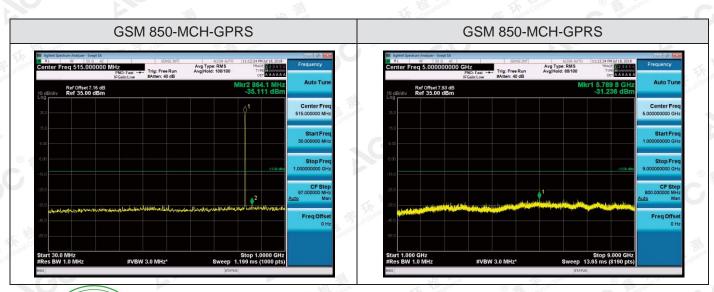
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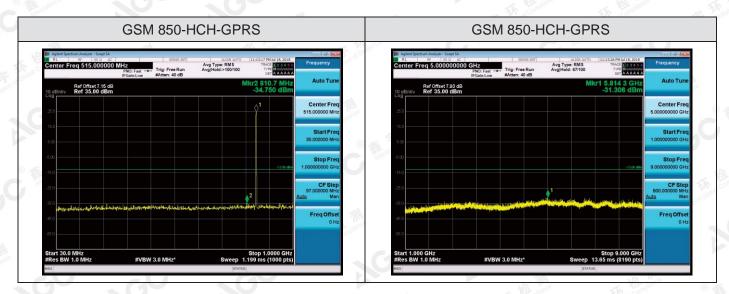
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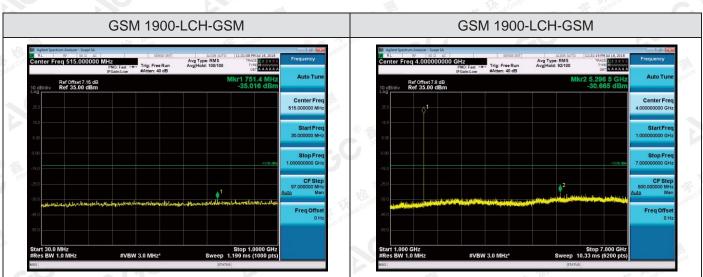
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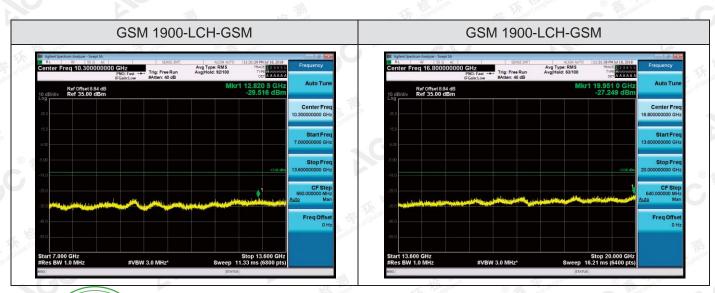
Tel: +86-755 2908 1955 Fax: +86-755 2600 8484 E-mail: agc@agc-cert.com @ 400 089 2118 Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan District, Shenzhen, Guangdong China



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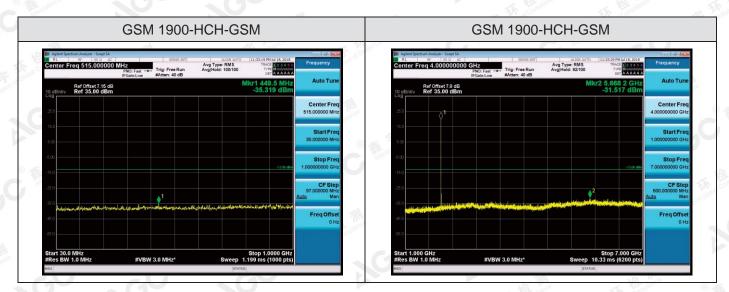








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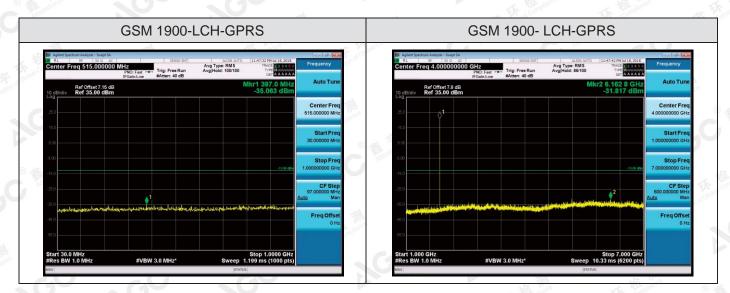


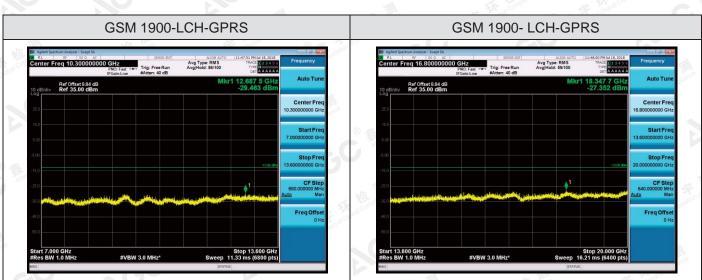






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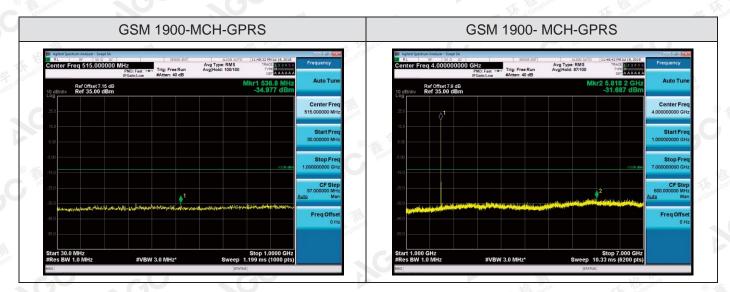


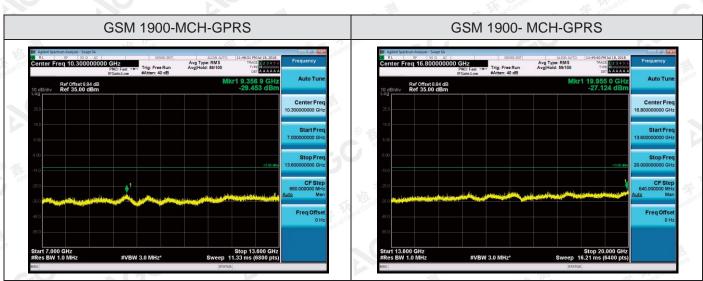






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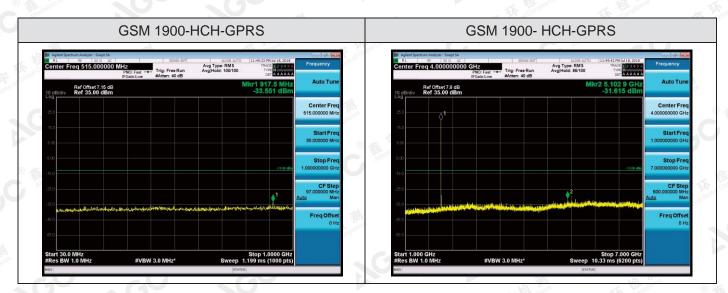


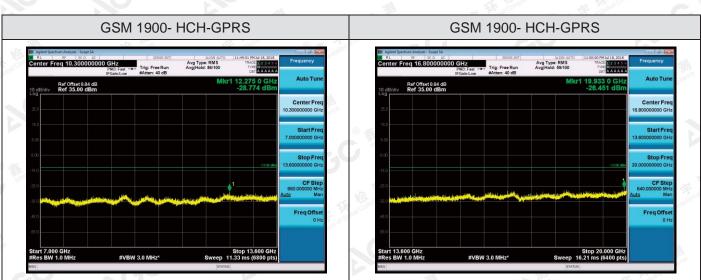






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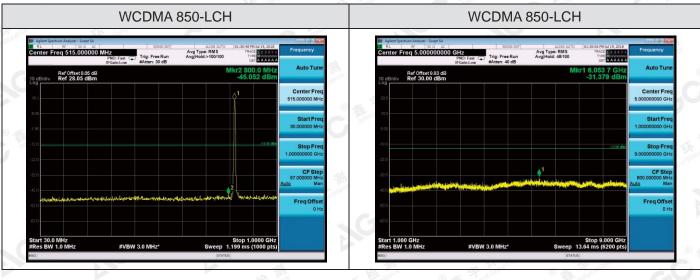


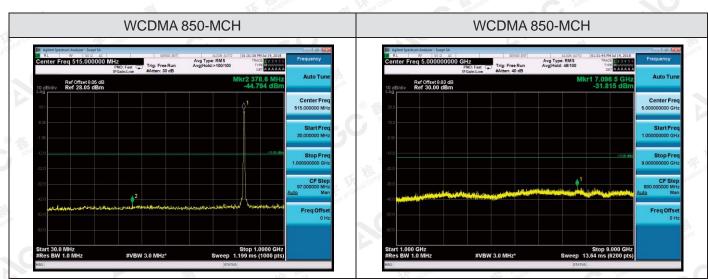


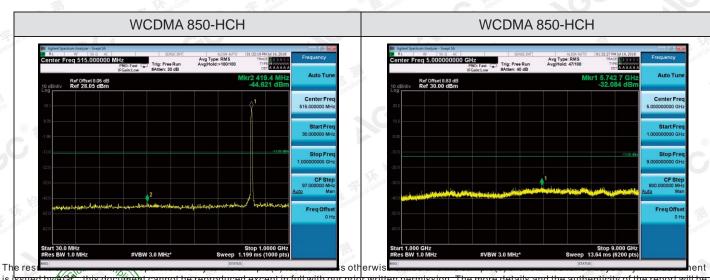
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Test Band=WCDMA850/WCDMA1900

Test Mode=UMTS







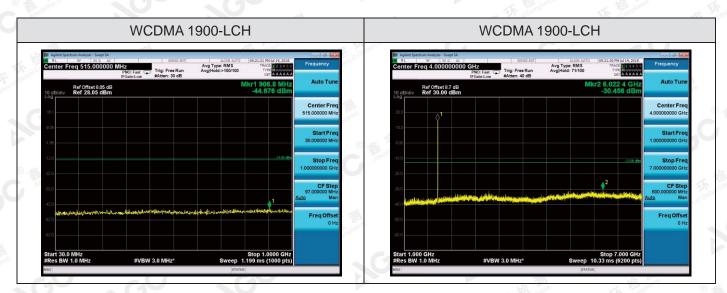
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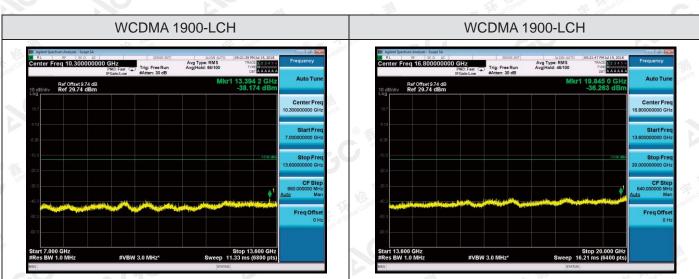


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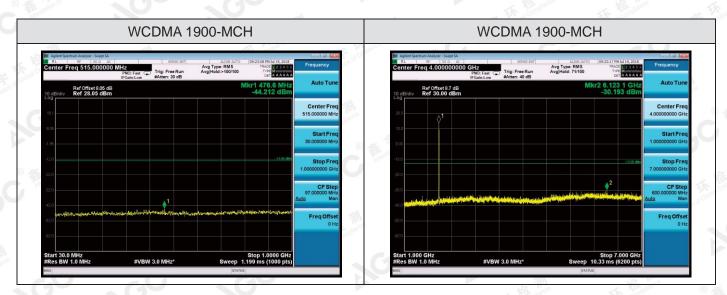


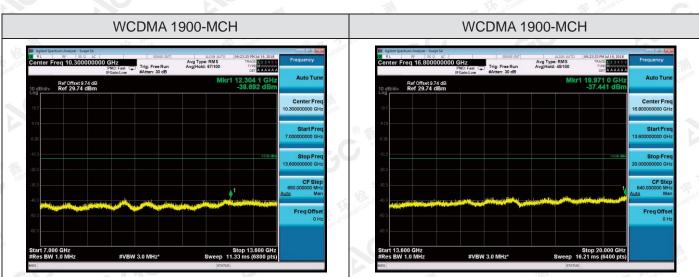






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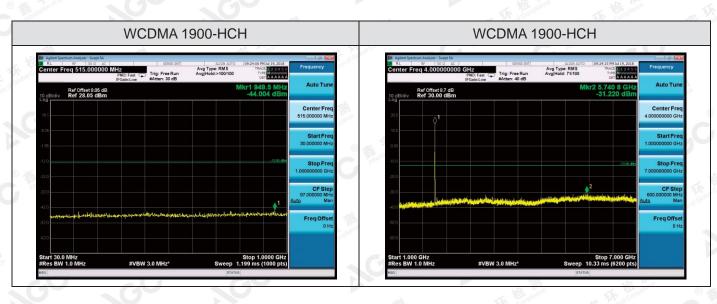


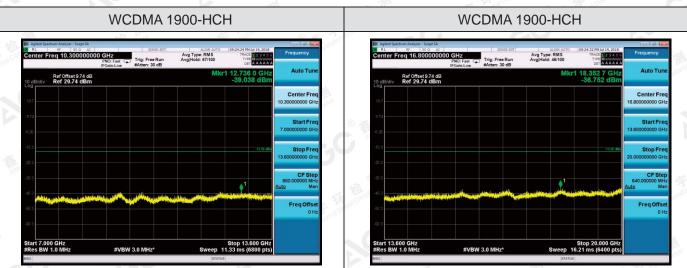






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Note: 1. Below 30MHZ no Spurious found and Above is the worst mode data.

2. As no emission found in standby or receive mode, no recording in this report.



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9.2 RADIATED SPURIOUS EMISSION

9.2.1MEASUREMENT METHOD

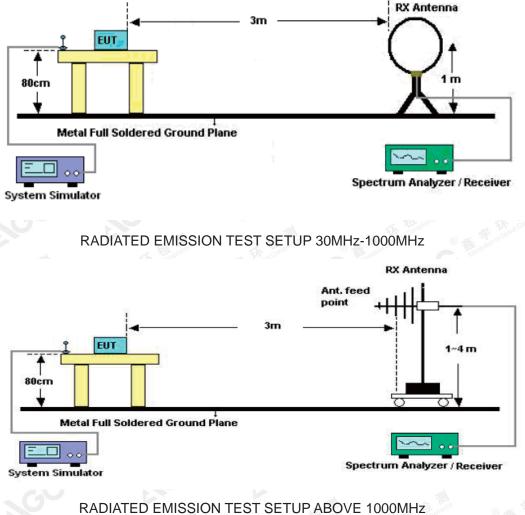
- 1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
- 8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

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9.2.2 TEST SETUP

Radiated Emission Test-Setup Frequency Below 30MHz



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9.2.3 PROVISIONS APPLICABLE

(a) On any frequency outside a licensee's frequency block (e.g. A, D, B, etc.) within the USPCS spectrum, the power of any emission shall be attenuated below the transmitter power (P, in Watts) by at least 43+10Log(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. **Note:** only result the worst condition of each test mode:



9.2.4 MEASUREMENT RESULT

GSM 850:

	The Worst Test Results for Channel 251/848.8 MHz								
Frequency	Emission Level	Limits	Margin	Commont					
(MHz)	(dBm)	(dBm)	(dB)	Comment					
1967.60	-50.35	-13	-37.35	Horizontal					
3458.42	-34.18	-13	-21.18	Horizontal					
6722.69	-47.64	-13	-34.64	Morizontal					
1967.60	-40.56	-13	-27.56	Vertical					
3458.64	-51.83	-13	-38.83	Vertical					
6705.44	-34.55	-13	-21.55	Vertical					
				340					

PCS 1900:

	The Worst Test R	Results for Channel	810/1909.8MHz		
Frequency	Emission Level	Limits	Margin	Commont	
(MHz)	(dBm)	(dBm)	(dB)	- Comment	
1745.66	-48.62	-13 -13	-35.62	Horizontal	
3819.60	-35.92	-13	-22.92	Horizontal	
7748.52	-47.67	-13	-34.67	Horizontal	
1845.48	-37.10	-13	-24.10	Vertical	
3819.60	-47.66	· ·13	-34.66	Vertical	
7733.25	-33.16	-13	-20.16	Vertical	



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HSPA band II:

The Worst Test Results for Channel 9538/1907.6MHz								
Frequency	Emission Level	Limits	Margin	Commont				
(MHz)	(dBm)	(dBm)	(dB)	Comment				
1866.51	-48.61	-13	-35.61	Horizontal				
3815.20	-34.56	-13	-21.56	Horizontal				
7633.26	-50.88	-13	-37.88	Horizontal				
1856.18	-36.03	-13	-23.03	Vertical				
3815.20	-46.89	-13	-33.89	Vertical				
7653.11	-32.56	-13	-19.56	Vertical				

HSPA band V:

The Worst Test Results for Channel 4233/846.6MHz								
Emission Level	Limits	Margin	Commont					
(dBm)	(dBm)	(dB)	Comment					
-51.66	-13	-38.66	Horizontal					
-34.85	-13	-21.85	Horizontal					
-47.55	-13	-34.55	Horizontal					
-35.59	-13	-22.59	Vertical					
-45.80	-13	-32.80	Vertical					
-40.31	-13	-27.31	Vertical					
	Emission Level (dBm) -51.66 -34.85 -47.55 -35.59 -45.80	Emission Level Limits (dBm) (dBm) -51.66 -13 -34.85 -13 -47.55 -13 -35.59 -13 -45.80 -13	Emission LevelLimitsMargin(dBm)(dBm)(dB)-51.66-13-38.66-34.85-13-21.85-47.55-13-34.55-35.59-13-22.59-45.80-13-32.80					

RESULT: PASS

Note:

- 1. Margin = Emission Level -Limit
- 2. Below 30MHZ no Spurious found and Above is the worst mode data.



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10. FREQUENCY STABILITY

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10.1 MEASUREMENT METHOD

In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a "call mode". This is accomplished with the use of R&S CMU200 DIGITAL RADIO COMMUNICATION TESTER.

1 Measure the carrier frequency at room temperature.

2 Subject the EUT to overnight soak at -10° C.

3 With the EUT, powered via nominal voltage, connected to the CMU200 and in a simulated call on channel 661 for PCS 1900 band, channel 190 for GSM 850 band, channel 9400 for UMTS band II and channel 4175 for UMTS band V measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.

4 Repeat the above measurements at 10° C increments from -10° C to $+50^{\circ}$ C. Allow at least 1 1/2 hours at each temperature, unpowered, before making measurements.

5 Re-measure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1Volt increments re-measuring carrier frequency at each voltage. Pause at nominal voltage for 1 1/2 hours unpowered, to allow any self-heating to stabilize, before continuing.

6 Subject the EUT to overnight soak at +50 $^{\circ}$ C.

7 With the EUT, powered via nominal voltage, connected to the CMU200 and in a simulated call on the centre channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.

8 Repeat the above measurements at 10° C increments from $+50^{\circ}$ C to -10° C. Allow at least 1 1/2 hours at each temperature, unpowered, before making measurements.

9 At all temperature levels hold the temperature to +/- 0.5°C during the measurement procedure.



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10.2 PROVISIONS APPLICABLE

10.2.1 FOR HAND CARRIED BATTERY POWERED EQUIPMENT

According to the ANSI/TIA-603-E-2016, the frequency stability of the carrier shall be accurate to within 0.1 ppm of the received frequency from the base station. This accuracy is sufficient to meet Sec. 24.235, Frequency Stability. The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. As this transceiver is considered "Hand carried, battery powered equipment" Section 2.1055(d)(2) applies. This requires that the lower voltage for frequency stability testing be specified by the manufacturer. This transceiver is specified to operate with an input voltage of between 3.4VDC and 4.2VDC, with a nominal voltage of 3.7VDC. Operation above or below these voltage limits is prohibited by transceiver software in order to prevent improper operation as well as to protect components from overstress. These voltages represent a tolerance of -10 % and +12.5 %. For the purposes of measuring frequency stability these voltage limits are to be used.

10.2.2 FOR EQUIPMENT POWERED BY PRIMARY SUPPLY VOLTAGE

According to the ANSI/TIA-603-E-2016, the frequency stability of the carrier shall be accurate to within 0.1 ppm of the received frequency from the base station. This accuracy is sufficient to meet Sec. 24.235, Frequency Stability. The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. For this EUT section 2.1055(d)(1) applies. This requires varying primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried battery equipment, the normal environment temperature is 20°C.



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10.3 MEASUREMENT RESULT

Test Results

Frequency Error vs. Voltage:

Test	Test	Test	Test	Test	Freq.Error	Freq.vs.rated	Limit	Vardiat
Band	Mode	Channel	Temp.	Volt.(V)	(Hz)	(ppm)	(ppm)	Verdict
0	-111	litte	TN	VL	13.75	0.02	±2.5	PASS
	pliance	LCH	TN	VN	13.75	0.02	±2.5	PASS
	C Strestand	of Globa	TN	VH	13.04	0.02	±2.5	PASS
- C	G		TN	VL	17.56	0.02	±2.5	PASS
GSM850	GSM	МСН	TN	VN	16.59	0.02	±2.5	PASS
© Æ	Fon of Global Contr	R H Solo	TN 🛛 🦛	VH	18.98	0.02	±2.5	PASS
CC M		Alleslan	TN	VL	18.6	0.02	±2.5	PASS
	NO.	НСН	TN	VN	16.72	0.02	±2.5	PASS
			TN	VH	18.92	0.02	±2.5	PASS

Test	Test	Test	Test	Test	Freq.Error	Freq.vs.rated	Limit	Vardiat
Band	Mode	Channel	Temp.	Volt.(V)	(Hz)	(ppm)	(ppm)	Verdict
A A	<u>Mil</u>	the second	TN	VL	10.40	0.01	±2.5	PASS
F The clobal Com	8 5	LCH	TN	VN	14.59	0.02	±2.5	PASS
Attestation	C		TN	VH	15.30	0.02	±2.5	PASS
			TN	VL	16.79	0.02	±2.5	PASS
GSM850	GPRS	MCH	TN	VN	18.08	0.02	±2.5	PASS
© 44	tion of Globar	C Attestation of	TN	VH	18.92	0.02	±2.5	PASS
GC ×			TN	VL	16.27	0.02	±2.5	PASS
		HCH	TN	VN	16.08	0.02	±2.5	PASS
西蒙		The Global Compiliant	TN	VH	17.18	0.02	±2.5	PASS

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Test	Test	Test	Test	Test	Freq.Error	Freq.vs.rated	Limit	Verdict
Band	Mode	Channel	Temp.	Volt. (V)	(Hz)	(ppm)	(ppm)	
Global Con	Final Global Come	60	TN	C VL	46.88	0.03	±2.5	PASS
	3 NO.	LCH	TN	VN	39.97	0.02	±2.5	PASS
	107	107-	TN	VH	43.84	0.02	±2.5	PASS
DOO	opliance	The Compliance	TN	VL	44.17	0.02	±2.5	PASS
PCS	GSM	MCH	TN	VN	41.26	0.02	±2.5	PASS
1900	0		TN	VH	42.55	0.02	±2.5	PASS
	板市	00	TN	VL	50.50	0.03	±2.5	PASS
	For Global Contra	НСН	TN ©	VN	44.17	0.02	±2.5	PASS
		Allestand	TN	VH	47.98	0.03	±2.5	PASS
							Mine All	

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Test	Test	Test	Test	Test	Freq.Error	Freq.vs.rated	Limit	Verdict
Band	Mode	Channel	Temp.	Volt. (V)	(Hz)	(ppm)	(ppm)	
000 (G)	estation of C	S	TN	VL	29.90	0.02	±2.5	PASS
SO		LCH	TN	VN	34.55	0.02	±2.5	PASS
10	44	The the province	TN	VH	32.41	0.02	±2.5	PASS
PCS	© 🐔	tion of Global Co	TN	VL	41.71	0.02	±2.5	PASS
1900	GPRS	МСН	TN	VN	40.81	0.02	±2.5	PASS
1900	-		ΤN	VH	38.42	0.02	±2.5	PASS
	The Compliant	11	TN	VL	44.88	0.02	±2.5	PASS
e C Angele	aon of Globa	НСН	TN	VN	41.84	0.02	±2.5	PASS
GC	C		TN	VH	44.17	0.02	±2.5	PASS



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Frequency Error vs. Temperature:

Atter				In		W. Mco.	EN COM	12
Test	Test	Test	Test	Test	Freq.Error	Freq.vs.rated	Limit	Verdic
Band	Mode	Channel	Volt.	Tem. (℃)	(Hz)	(ppm)	(ppm)	veruic
oal ^{Com}	Fin of Global Comm	- CO	VN	-10	14.59	0.02	±2.5	PASS
C AND			VN	0	12.20	0.01	±2.5	PASS
0		110-	VN	10	16.08	0.02	±2.5	PASS
GSM850	GSM	LCH	VN	20	14.92	0.02	±2.5	PASS
Attestation of Give		of Glov	VN	30	14.27	0.02	(ppm) ±2.5 ±2.5 ±2.5	PASS
<u></u>			VN	40	14.98	0.02	±2.5	PASS
		10 ⁰	VN	50	13.30	0.02	±2.5	PASS
© 5%	Fin of Global Con	S A Front Clob	VN ©	-10	16.01	0.02	±2.5	PASS
CC M		Auestalio	VN	0	18.98	0.02	±2.5	PASS
0		MCH	VN	10	20.53	0.02	±2.5	PASS
GSM850	GSM		MCH	VN	20	17.76	0.02	±2.5
Compliance		iance ®	VN	30	14.66	0.02	±2.5 ±2.5	PASS
		<u> </u>	VN	40	16.47	0.02	±2.5	PASS
GO			VN	50	17.82	0.02	$\begin{array}{c c} \pm 2.5 \\ \pm 2.5$	PASS
45.		The Handlance	VN	-10	18.73	0.02	±2.5	PASS
F of Global Comp		For of Global Colin	VN	0	17.63	0.02	±2.5	PASS
Attestation			VN	10	19.05	0.02	±2.5	PASS
GSM850	GSM	НСН	VN	20	19.63	0.02	±2.5	PASS
		12 3	VN	30	19.50	0.02	±2.5	PASS
8		B Atlestation of	VN	40	21.50	0.03	±2.5	PASS
GC [×]			VN	50	16.27	0.02	±2.5	PASS





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Test Band	Test Mode	Test Channel	Test Volt.	Test Tem. (℃)	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
ALC AMPOST			VN	-10	9.94	0.01	±2.5	PASS
		- 110-	VN	0	8.98	0.01	±2.5	PASS
	pliance	The Compliance	VN	10	17.18	0.02	±2.5	PASS
GSM850	GPRS	LCH	VN	20	18.27	0.02	±2.5	PASS
	G	F	VN	30	13.88	0.02	±2.5	PASS
	臣书		VN	40	8.78	0.01	±2.5	PASS
	F In Global Com	O THE STORE	VN ©	50	13.37	0.02	±2.5	PASS
CC M		Allestand	VN	-10	13.75	0.02	±2.5	PASS
	NO.		VN	0	15.56	0.02	±2.5	PASS
			VN	10	14.66	0.02	±2.5	PASS
GSM850	GPRS	MCH	VN	20	16.08	0.02	±2.5	PASS
	cestation of Giu	SC	VN	30	16.85	0.02	±2.5	PASS
			VN	40	15.82	0.02	±2.5	PASS
	44	The proves	VN	50	13.69	0.02	±2.5	PASS
- F iGiobal Comp	© 🐔	Find Global Collin	VN	-10	22.08	0.03	±2.5	PASS
	C Me		VN	0	15.88	0.02	±2.5	PASS
	9		VN	10	18.53	0.02	±2.5	PASS
GSM850	GPRS	НСН	VN	20	13.30	0.02	±2.5	PASS
	tion of Global	C Attestation of	VN	30	14.33	0.02	±2.5	PASS
			VN	40	24.09	0.03	±2.5	PASS
			VN	50	13.95	0.02	±2.5	PASS



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Test Band	Test Mode	Test Channel	Test Volt.	Test Tem. (℃)	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
Bana	mode		VN	-10	43.20	0.02	±2.5	PASS
	F Gobal Complian	c.C	VN	0	40.87	0.02	±2.5	PASS
-Ci Mart	PCS	N	VN	10	42.75 🔬	0.02	±2.5	PASS
PCS GSM	LCH	VN	20	45.20	0.02	±2.5	PASS	
1900	pliance	The Compliance	VN	30	43.52	0.02	±2.5	PASS
	C Attestation	of Glov	VN	40	43.07	0.02	±2.5	PASS
	0		VN	50	42.17	0.02	±2.5	PASS
	下 招 开	0	VN	-10	43.72	0.02	±2.5	PASS
	Find Global Co	мсн	VN	0	40.03	0.02	±2.5	PASS
PCS			VN	10	47.14	0.03	±2.5	PASS
1900	GSM		VN	20	45.33	0.02	±2.5	PASS
1900	00		VN	30	42.49	0.02	±2.5	PASS
	F ICobal Com	Canter	VN	40	42.62	0.02	±2.5	PASS
	estation of	S	VN	50	40.16	0.02	±2.5	PASS
			VN	-10	47.07	0.02	±2.5	PASS
1	ance	The Hardenson	VN	0	44.75	0.02	±2.5	PASS
PCS	8	ation of Global	VN	10	41.78	0.02	±2.5	PASS
1900	GSM	нсн	VN	20	49.40	0.03	±2.5	PASS
1000	-		VN	30	48.11	0.03	±2.5	PASS
	E TA Complian		VN	40	44.68	0.02	±2.5	PASS
	tion of Giu	Autostation	VN	50	45.33	0.02	±2.5	PASS

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Frequency Error vs. Voltage:

Alle				In		a March	CON CON	14.
Test	Test	Test	Test	Test	Freq.Error	Freq.vs.rated	Limit	Verdict
Band	Mode	Channel	Temp.	Volt.(V)	(Hz)	(ppm)	(ppm)	verdict
Global Co.	Global Com	00	TN	VL	7.98	0.01	±2.5	PASS
A.C.		LCH	TN	VN	7.00	0.01	±2.5	PASS
G		-1117-	ΤN	VH	9.93	0.01	±2.5	PASS
The tel good	· 	a Compliance	TN	VL	5.87	0.01	±2.5	PASS
WCDMA850	UMTS	МСН	TN	VN	8.09	0.01	±2.5	PASS
			ΤN	VH	9.86	0.01	±2.5	PASS
	The the plane	16	TN	VL	5.16	0.01	±2.5	PASS
8 \$	or Global Collin	НСН	TN	VN	3.57	0.00	±2.5	PASS
CC There	-C	Attestation	TN	VH	11.09	0.01	±2.5	PASS
					-	- Net Manu	EN comp	

Test	Test	Test	Test	Test	Freq.Error	Freq.vs.rated	Limit	
Band	Mode	Channel	Temp.	Volt.(V)	(Hz)	(ppm)	(ppm)	Verdict
C Atestation	01 V	GO	TN	VL	24.34	0.01	±2.5	PASS
S		LCH	TN	VN	35.31	0.02	±2.5	PASS
A A		the manual	TN	VH	28.52	0.02	±2.5	PASS
F. F. Marconella	C Franci	GlobalCu	TN	VL	32.36	0.02	±2.5	PASS
WCDMA1900	UMTS	МСН	ΤN	VN	29.07	0.02	±2.5	PASS
	-111		TN	VH	35.11	0.02	±2.5	PASS
The second second	Compliance	The star	TN	VL	49.27	0.03	±2.5	PASS
C Strestation of G	90%	НСН	TN	VN	39.87	0.02	±2.5	PASS
GO	S		TN	VH	46.57	0.02	±2.5	PASS



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Frequency Error vs. Temperature:

Aller				Inc.		Mallos	XX . Co'''	12
Test	Test	Test	Test	Test	Freq.Error	Freq.vs.rated	Limit	Vordist
Band	Mode	Channel	Volt.	Tem. (℃)	(Hz)	(ppm)	(ppm)	Verdict
Global Con	Global Com	C.C	VN	C -10	9.14	0.01	±2.5	PASS
ALC Allestation			VN	0	8.74	0.01	±2.5	PASS
B		107-	VN	10	5.77	0.01	±2.5	PASS
WCDMA850	UMTS	LCH	VN	20	4.93	0.01	±2.5	PASS
	B Thestation of C	our l	VN	30	7.42	0.01	±2.5	PASS
	1		VN	40	8.06	0.01	±2.5	PASS
	THE THE	- HE	VN	50	6.41	0.01	±2.5	PASS
C AN	of Global Colling	Front Global	VN	-10	5.28	0.01	±2.5	PASS
	c.C		VN	0	6.21	0.01	±2.5	PASS
	S		VN	10	5.26	0.01	±2.5	PASS
WCDMA850	UMTS	МСН	VN	20	11.67	0.01	±2.5	PASS
	The Complian	© 4	VN	30	8.83	0.01	±2.5	PASS
	onofGir	GU	VN	40	12.63	0.02	±2.5	PASS
			VN	50	8.61	0.01	±2.5	PASS
		the plance	VN	-10	11.49	0.01	±2.5	PASS
	· · · · ·	of Global Contr	VN	0	12.13	0.01	±2.5	PASS
Attestation	C Mostor		VN	10	9.14	0.01	±2.5	PASS
WCDMA850	VCDMA850 UMTS	MTS HCH	VN	20 🔬	10.86	0.01	±2.5	PASS
	K Compliance		VN	30	11.86	0.01	±2.5	PASS
e Frasatone	Global		VN	40	9.43	0.01	±2.5	PASS
GC Am	S		VN	50	8.54	0.01	±2.5	PASS



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Test Band	Test Mode	Test Channel	Test Volt.	Test Tem. (℃)	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit	Verdict
Bana	Mode		VN	-10	35.10	0.02		PASS
	abal Compliance	-C	VN	C 0	33.84	0.02		PASS
		0	VN	10	39.23	0.02	±2.5	PASS
WCDMA1900	UMTS	LCH	VN	20	41.14	0.02	(ppm) ±2.5 ±2.5	PASS
	Th	100 mplance	VN	30	28.27	0.02	±2.5	PASS
The sale of Coole	Thestation of City		VN	40	35.48	0.02	±2.5	PASS
			VN	50	24.28	0.01	±2.5	PASS
	the plance	。他	VN	-10	33.87	0.02	±2.5	PASS
	Biopal Cont.	Front Global Con	VN	0	30.90	0.02	±2.5	PASS
	c.C	Attestatio	VN	10	29.31	0.02	±2.5	PASS
WCDMA1900	UMTS	МСН	VN	20	30.99	0.02	<pre>(ppm) ±2.5 ±2.5 ±2.5 ±2.5 ±2.5 ±2.5 ±2.5 ±2.5</pre>	PASS
			VN	30	37.31	0.02	±2.5	PASS
	Stopal Compliance	C AM	VN	40	27.65	0.01	±2.5	PASS
		G	VN	50	30.73	0.02	<pre>(ppm) ±2.5</pre>	PASS
S			VN	-10	53.85	0.03	±2.5	PASS
		K Kanplans	VN	0	48.29	0.03	±2.5	PASS
	C The station of	GlobalCu	VN	10	45.82	0.02	±2.5	PASS
WCDMA1900	UMTS	НСН	VN	20	43.27	0.02	±2.5	PASS
	-111		VN	30	43.96	0.02	±2.5	PASS
	toal Compliance	T	VN	40	50.63	0.03	±2.5	PASS
		Attestation	VN	50	44.04	0.02	±2.5	PASS

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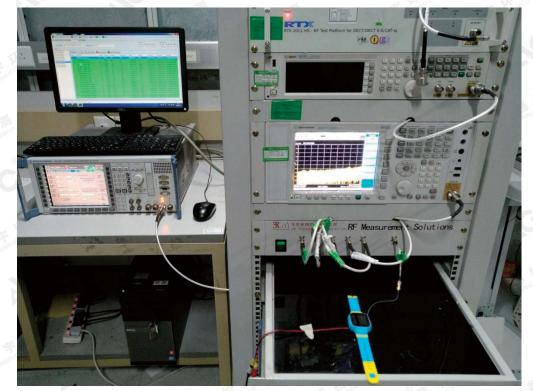
APPENDIX A: PHOTOGRAPHS OF TEST SETUP RADIATED SPURIOUS EMISSION

RADIATED SPURIOUS ABOVE 1G EMISSION





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CONDUCTED MEASUREMENTS

----END OF REPORT----

