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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

RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz



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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:

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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					
1697.60	-57.98	-13	-44.98	Horizontal					
2536.33	-54.12	-13	-41.12	Horizontal					
5162.41	-52.02	-13	-39.02	Horizontal					
1697.60	-55.58	-13	-42.58	Vertical					
3612.52	-56.30	-13	-43.30	Vertical					
5218.22	-51.84	-13	-38.84	Vertical					

PCS 1900:

The Worst Test Results for Channel 810/1909.8MHz								
Frequency	Emission Level	Limits	Margin	Commont				
(MHz)	(dBm)	(dBm)	(dB)	Comment				
1556.3	-56.33	-13	-43.33	Horizontal				
3819.60	-57.40	-13	-44.40	Horizontal				
5715.58	-55.40	-13	-42.40	Horizontal				
1952.33	-54.56	-13	-41.56	Vertical				
3819.60	-56.88	-13	-43.88	Vertical				
4691.47	-54.25	-13	-41.25	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					
1745.05	-53.11	-13	-40.11	Horizontal					
3815.20	-50.85	-13	-37.85	Horizontal					
5821.53	-49.39	-13	-36.39	Horizontal					
1678.92	-51.39	-13	-38.39	Vertical					
3815.20	-51.23	-13	-38.23	Vertical					
5255.15	-50.75	-13	-37.75	Vertical					

HSPA band V:

The Worst Test Results for Channel 4233/846.6MHz									
Frequency	Frequency Emission Level		Margin	Commont					
(MHz)	(dBm)	(dBm)	(dB)	Comment					
1693.20	-53.70	-13	-40.70	Horizontal					
3521.14	-51.91	-13	-38.91	Horizontal					
5281.36	-52.04	-13	-39.04	Horizontal					
1693.20	-54.11	-13	-41.11	Vertical					
3412.52	-51.48	-13	-38.48	Vertical					
5694.15	-50.92	-13	-37.92	Vertical					

HSPA band IV:

The Worst Test Results for Channel 8662/1740MHz									
Frequency	Emission Level	Limits	Margin	Commont					
(MHz)	(dBm)	(dBm)	(dB)	Comment					
1741.15	-53.98	-13	-40.98	Horizontal					
3480.00	-52.30	-13	-39.30	Horizontal					
7141.52	-53.79	-13	-40.79	Horizontal					
1695.47	-54.93	-13	-41.93	Vertical					
3480.00	-53.39	-13	-40.39	Vertical					
6152.77	-51.66	-13	-38.66	Vertical					

RESULT: PASS

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10. FREQUENCY STABILITY

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 $+40^{\circ}$ 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 +40℃.

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 $+40^{\circ}$ 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 $\pm -0.5^{\circ}$ 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 3.27 VDC and 4.4VDC, with a nominal voltage of 3.85 VDC. 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	Verdict
Band	Mode	Channel	Temp.	Volt.(V)	(Hz)	(ppm)	(ppm)	
	S		TN	○ VL	6.52	0.007911	±2.5	PASS
©		LCH	TN	VN	7.36	0.008930	±2.5	PASS
60	8	8	ΤN	VH	9.75	0.011830	±2.5	PASS
	60	CC I	TN	VL	8.27	0.009885	±2.5	PASS
GSM850	GSM	МСН	TN	VN	10.59	0.012658	±2.5	PASS
0	e	0	TN	VH	9.30	0.011116	±2.5	PASS
NO.		S.	TN	VL	10.98	0.012936	±2.5	PASS
		нсн	TN	VN	10.53	0.012406	±2.5	PASS
			TN	VH	10.07	0.011864	±2.5	PASS

Test	Test	Test	Test	Test	Freq.Error	Freq.vs.rated	Limit	Vordiot
Band	Mode	Channel	Temp.	Volt.(V)	(Hz)	(ppm)	(ppm)	verdict
	60		TN	VL	0.45	0.000546	±2.5	PASS
		LCH	TN	VN	2.07	0.002512	±2.5	PASS
	0		TN	VH	2.20	0.002669	±2.5	PASS
	9	G	TN	VL	0.32	0.000383	±2.5	PASS
GSM850	EGPRS	MCH	TN	VN	1.71	0.002044	±2.5	PASS
			TN	VH	1.07	0.001279	±2.5	PASS
	~.C		TN	VL	-0.29	-0.000342	±2.5	PASS
	20	НСН	TN	VN	-0.61	-0.000719	±2.5	PASS
	8		TN	VH	-1.61	-0.001897	±2.5	PASS

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Test	Test	Test	Test	Test	Freq.Error	Freq.vs.rated	Verdict
Band	Mode	Channel	Temp.	Volt. (V)	(Hz)	(ppm)	
®		20	TN	VL	21.31	0.011518	PASS
C ₂ C	0	LCH	TN	VN	24.34	0.013155	PASS
	S	C.C	TN	VH	19.82	0.010712	PASS
®			TN	VL	22.02	0.011713	PASS
PCS1900	GSM	МСН	TN	VN	22.54	0.011989	PASS
	2	c.C	TN	VH	22.08	0.011745	PASS
8		2	TN	VL	22.08	0.011561	PASS
		нсн	TN	VN	22.60	0.011834	PASS
		0	TN	VH	21.57	0.011294	PASS

Test	Test	Test	Test	Test	Freq.Error	Freq.vs.rated	Verdict
Band	Mode	Channel	Temp.	Volt. (V)	(Hz)	(ppm)	
8		2	TN	VL	19.57	0.010577	PASS
20	0	LCH	TN	VN	21.28	0.011501	PASS
	3	G	TN	VH	18.14	0.009804	PASS
®		0	TN	VL	20.34	0.010819	PASS
GSM1900	EGPRS	МСН	TN	VN	19.24	0.010234	PASS
S.C.	1	C	◎ TN	VH	18.79	0.009995	PASS
			TN	VL	16.34	0.008556	PASS
8	0	НСН	TN	VN	18.40	0.009635	PASS
S	-0	©	TN	VH	13.85	0.007252	PASS

Note: Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very samll. As such it is determined that channels at the band edge would remain in-band when the maximum measured frequency deviation noted duing the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperture and voltage range as tested.

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Frequency Error vs. Temperature:

Test	Test	Test	Test	Test	Freq.Error	Freq.vs.rated	Limit	Vordiat
Band	Mode	Channel	Volt.	Tem. (° ℃)	(Hz)	(ppm)	(ppm)	verdict
9			VN	-10	5.29	0.006418	±2.5	PASS
Op .			VN	0	5.81	0.007049	±2.5	PASS
COMOSO	CEM		VN	10	6.59	0.007996	±2.5	PASS
GSINIODU	GSIM	LCH	VN	20	7.36	0.008930	±2.5	PASS
GG	e	8	VN	30	10.59	0.012849	±2.5	PASS
	60	C.C	VN	40	7.75	0.009403	±2.5	PASS
0		©	VN	-10	8.91	0.010650	±2.5	PASS
0			VN	0	5.81	0.006945	±2.5	PASS
COMOLO	CSM	МСЦ	VN	10	8.07	0.009646	±2.5	PASS
GOIVIODU	GSIM	MCH	VN	20	9.04	0.010806	±2.5	PASS
<i>c.</i> C			VN	30	9.88	0.011810	±2.5	PASS
	e e		VN	40	10.98	0.013125	±2.5	PASS
3		6	VN	-10	10.72	0.012630	±2.5	PASS
20	C		VN	0	9.23	0.010874	±2.5	PASS
COMOSO	CSM	ПСП	VN	10	8.85	0.010426	±2.5	PASS
GSM850 GS	GSIM	псп	VN	20	8.01	0.009437	±2.5	PASS
	©		VN	30	10.40	0.012253	±2.5	PASS
S		G	VN	40	9.17	0.010803	±2.5	PASS

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Test Band	Test Mode	Test Chann el	Test Volt.	Test Tem. (℃)	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
00	©		VN	-10	9.43	0.011441	±2.5	PASS
			VN	0	11.66	0.014147	±2.5	PASS
COMOLO	ECODS		VN	10	7.36	0.008930	±2.5	PASS
G210000	EGPRS	LCH	VN	20	10.49	0.012727	±2.5	PASS
	60	0.5	VN	30	9.17	0.011126	±2.5	PASS
8			VN	40	9.10	0.011041	±2.5	PASS
		Ô	VN	-10	4.84	0.005785	±2.5	PASS
NO Y			VN	0	4.33	0.005176	±2.5	PASS
0014050	FORDO	MOUL	VN	10	5.17	0.006180	±2.5	PASS
GSIVI850	EGPRS	MCH	VN	20	3.94	0.004710	±2.5	PASS
NO	SO S	6	VN	30	1.00	0.001195	±2.5	PASS
8		S	VN	40	2.20	0.002630	±2.5	PASS
2.0	®		VN	-10	-0.94	-0.001107	±2.5	PASS
0	50	- 6	VN	0	1.32	0.001555	±2.5	PASS
0014050	FORDO		VN	10	-0.06	-0.000071	±2.5	PASS
G211820	EGPKS	KS HCH	VN	20	2.58	0.003040	±2.5	PASS
~ C			VN	30	0.36	0.000424	±2.5	PASS
			VN	40	-1.07	-0.001261	±2.5	PASS

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Test	Test	Test	Test	Test	Freq.Error	Freq.vs.rated	Vardiat
Band	Mode	Channel	Volt.	Tem. (° ℃)	(Hz)	(ppm)	verdict
			VN	-10	25.76	0.013923	PASS
8			VN	0	18.98	0.010258	PASS
DCC1000	COM		VN	10	22.34	0.012074	PASS
PCS1900 GSM	GSIVI	LCH	VN	20	20.34	0.010993	PASS
®			VN	30	21.24	0.011480	PASS
GC	©	®	VN	40	21.31	0.011518	PASS
	3	МСН	VN	-10	21.50	0.011436	PASS
			< VN	0	20.15	0.010718	PASS
DCS1000	COM		VN	10	21.89	0.011644	PASS
PC51900	GSIVI		VN	20	22.92	0.012191	PASS
R		G	VN	30	22.86	0.012160	PASS
- C	8		VN	40	23.63	0.012569	PASS
	60	- C	VN	-10	19.11	0.010006	PASS
8		NO	VN	0	21.18	0.011090	PASS
DCS1000	COM		VN	10	21.95	0.011493	PASS
PC51900	GSIVI	и нсн	VN	20	21.95	0.011493	PASS
° N			VN	30	24.28	0.012713	PASS
	8		VN	40	21.24	0.011122	PASS

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Festive/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the writter authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issue of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



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Test	Test	Test	Test	Test	Freq.Error	Freq.vs.rated	Vordict
Band	Mode	Channel	Volt.	Tem. (° ℃)	(Hz)	(ppm)	Veruici
	6	C C	VN	-10	44.20	0.023889	PASS
8			VN	0	41.78	0.022581	PASS
CSM1000	ECDDS		VN	10	37.29	0.020155	PASS
G21011900	EGFKS	LCH	VN	20	32.00	0.017295	PASS
®			VN	30	31.51	0.017031	PASS
GC	0		VN	40	28.09	0.015182	PASS
5	EGPRS	МСН	VN	-10	26.64	0.014170	PASS
GSM1900			VN	0	26.51	0.014101	PASS
			VN	10	23.47	0.012484	PASS
			VN	20	22.54	0.011989	PASS
			VN	30	22.63	0.012037	PASS
e.C			VN	40	26.57	0.014133	PASS
	G	G	VN	-10	25.80	0.013509	PASS
®		нсн	VN	0	22.73	0.011902	PASS
CSM1000	ECDDS		VN	10	18.85	0.009870	PASS
GSM1900	EGPRS		◎ VN	20	13.82	0.007236	PASS
	N.		VN	30	22.47	0.011766	PASS
			VN	40	19.27	0.010090	PASS

Note: Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very samll. As such it is determined that channels at the band edge would remain in-band when the maximum measured frequency deviation noted duing the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperture and voltage range as tested.

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Frequency Error vs. Voltage:

Test	Test	Test	Test	Test	Freq.Error	Freq.vs.rated	Limit	Vordiat
Band	Mode	Channel	Temp.	Volt.(V)	(Hz)	(ppm)	(ppm)	Verdict
0		LCH	TN	VL	3.51	0.004247	±2.5	PASS
	©		TN	VN	1.85	0.002239	±2.5	PASS
WCDMA850	G		ΤN	ੂ∧H	2.33	0.002819	±2.5	PASS
			TN	VL	7.28	0.008704	±2.5	PASS
	UMTS	МСН	TN	VN	4.26	0.005093	±2.5	PASS
		B ^{GC}	TN	VH	5.77	0.006899	±2.5	PASS
			TN	VL	5.22	0.006166	±2.5	PASS
		HCH	TN	VN	5.22	0.006166	±2.5	PASS
	. 6	- 64	0	TN	VH	6.52	0.007701	±2.5

Test	Test	Test	Test	Test	Freq.Error	Freq.vs.rated	Vardiat
Band	Mode	Channel	Temp.	Volt.(V)	(Hz)	(ppm)	Verdict
		0	TN	VL	7.64	0.004461	PASS
- O -	0	LCH	TN	VN	5.68	0.003317	PASS
WCDMA1700	UMTS		TN	VH	2.69	0.001571	PASS
		МСН	TN	VL	1.05	0.000606	PASS
			TN	VN	3.36	0.001939	PASS
			TN	VH	-0.92	-0.000531	PASS
		НСН	TN	VL	3.46	0.001974	PASS
			TN	VN	9.96	0.005683	PASS
100 A	C	3	TN	VH	21.61	0.012331	PASS

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Test	Test	Test	Test	Test	Freq.Error	Freq.vs.rated	Vardiat
Band	Mode	Channel	Temp.	Volt.(V)	(Hz)	(ppm)	verdict
®		2	TN	VL	4.20	0.002267	PASS
	UMTS	LCH	TN	VN	-0.85	-0.000459	PASS
			TN	VH	2.56	0.001382	PASS
WCDMA1900		мсн	TN	VL	-0.09	-0.000048	PASS
			TN	VN	2.52	0.001340	PASS
			TN	VH	5.77	0.003069	PASS
		НСН	TN	VL	3.20	0.001678	PASS
			TN	VN	4.24	0.002223	PASS
			TN	VH	4.70	0.002464	PASS

Note: Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very samll. As such it is determined that channels at the band edge would remain in-band when the maximum measured frequency deviation noted duing the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperture and voltage range as tested.

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Frequency Error vs. Temperature:

Test	Test	Test	Test	Test	Freq.Error	Freq.vs.rated	Limit	Vordiat	
Band	Mode	Channel	Volt.	Tem. (℃)	(Hz)	(ppm)	(ppm)	veraict	
8		2	VN	-10	1.24	0.001500	±2.5	PASS	
O.	©.	G	VN	0	-0.21	-0.000254	±2.5	PASS	
	LIMTS		VN	10	0.90	0.001089	±2.5	PASS	
VVCDIVIA050	01113	LCH	VN	20	4.03	0.004877	±2.5	PASS	
GC	8		VN	30	-2.18	-0.002638	±2.5	PASS	
			VN	40	6.67	0.008071	±2.5	PASS	
8	UMTS	МСН	VN	-10	6.36	0.007696	±2.5	PASS	
Û G			VN	0	5.63	0.006813	±2.5	PASS	
			VN	10	5.78	0.006911	±2.5	PASS	
VVCDIVIA050			VN	20	5.08	0.006074	±2.5	PASS	
<i>c.</i> C	8		VN	30	6.13	0.007329	±2.5	PASS	
			VN	40	5.77	0.006899	±2.5	PASS	
8		6	VN	-10	6.32	0.007556	±2.5	PASS	
c.C	8	нсн	VN	0	8.53	0.010076	±2.5	PASS	
	LIMTS		VN 💿	10	4.58	0.005410	±2.5	PASS	
WCDMA850	UNIS		VN	20	10.97	0.012958	±2.5	PASS	
C c		0	VN	30	8.74	0.010324	±2.5	PASS	
~G ^O		G	VN	40	7.60	0.008977	±2.5	PASS	

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Test	Test	Test	Test	Test	Freq.Error	Freq.vs.rated	
Band	Mode	Channel	Volt.	Tem. (° C)	(Hz)	(ppm)	Verdict
		- C	VN	-10	0.96	0.000561	PASS
®		10	VN	0	0.75	0.000438	PASS
			VN	10	1.53	0.000893	PASS
WCDIVIAT700	UNITS	LCH	VN	20	5.62	0.003282	PASS
®			VN	30	-3.13	-0.001828	PASS
GO C	8		VN	40	-1.28	-0.000747	PASS
9	UMTS	МСН	VN	-10	0.55	0.000317	PASS
0			VN	0	4.46	0.002574	PASS
			VN	10	0.99	0.000571	PASS
WCDWAT700			VN	20	1.19	0.000687	PASS
®			VN	30	2.03	0.001172	PASS
e G			VN	40	1.80	0.001039	PASS
		нсн	VN 💿	-10	4.70	0.002682	PASS
			VN	0	1.28	0.000730	PASS
			VN	10	-4.26	-0.002431	PASS
	UNITS		VN	20	4.85	0.002767	PASS
8			VN	30	3.16	0.001803	PASS
C c			VN	40	7.32	0.004177	PASS

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Test	Test	Test	Test	Test	Freq.Error	Freq.vs.rated) (a wall a f
Band	Mode	Channel	Volt.	Tem. (℃)	(Hz)	(ppm)	verdict
		c.C	VN	-10	4.07	0.002197	PASS
		20-	VN	0	5.84	0.003153	PASS
	LIMTS		VN	10	6.00	0.003239	PASS
WCDIVIA 1900	UNITS	LCH	VN	20	5.43	0.002931	PASS
			VN	30	9.57	0.005166	PASS
GC C	8		VN	40	2.82	0.001522	PASS
	UMTS	МСН	VN	-10	6.59	0.003558	PASS
			VN	0	9.45	0.005101	PASS
			VN	10	5.77	0.003069	PASS
WCDIVIA 1900			VN	20	7.32	0.003894	PASS
			VN	30	5.58	0.002968	PASS
e.G			VN	40	2.70	0.001436	PASS
		нсн	VN ©	-10	7.71	0.004101	PASS
			VN	0	6.38	0.003394	PASS
			VN	10	11.31	0.005929	PASS
WCDMA1900	UNITS		VN	20	-1.28	-0.000671	PASS
			VN	30	10.35	0.005426	PASS
C é	6		VN	40	10.86	0.005693	PASS

Note: Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very samll. As such it is determined that channels at the band edge would remain in-band when the maximum measured frequency deviation noted duing the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperture and voltage range as tested.

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APPENDIX A: PHOTOGRAPHS OF TEST SETUP RADIATED SPURIOUS EMISSION

RADIATED SPURIOUS ABOVE 1G EMISSION



----END OF REPORT----

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Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").

2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.

3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

4. The non-CMA report issued by AGC is only permitted to be used by the client as internal reference use and shall not be used for public demonstration purpose.

5. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

6. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

7. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

8. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

9. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.

10. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

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