



TEST REPORT

APPLICANT : TCL Communication Ltd.

PRODUCT NAME : GSM Mobile phone

MODEL NAME : A323E

BRAND NAME : Alcatel

FCC ID : 2ACCJB248

STANDARD(S) : 47 CFR Part 2
47 CFR Part 22 Subpart H
47 CFR Part 24 Subpart E

RECEIPT DATE : 2026-04-02

TEST DATE : 2026-04-05 to 2026-04-21

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Change History		
Version	Date	Reason for change
1.0	2026-05-20	First edition

Note: the latest revision of the report supersedes all previous versions.





1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	TCL Communication Ltd.
Applicant Address:	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
Manufacturer:	TCL Communication Ltd.
Manufacturer Address:	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong

1.2. Equipment Under Test (EUT) Description

Product Name:	GSM Mobile phone	
Sample No.:	2#, 8#	
Model Name:	A323E	
Hardware Version:	05	
Software Version:	A323E_ALTR_2SIM_V1.4_20260410_UNLOCK	
Modulation Type:	GSM/GPRS Mode with GMSK Modulation	
Operating Frequency Range:	GSM 850MHz	Tx: 824MHz-849MHz
		Rx: 869MHz-894MHz
	GSM 1900MHz	Tx: 1850MHz-1910MHz
		Rx: 1930MHz-1990MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	GSM 850:	0.28dBi
	GSM1900:	-0.34dBi

Note 1: The transmitter (Tx) frequency arrangement of the Cellular 850MHz band used by the EUT can be represented with the formula $F(n)=824.2+0.2*(n-128)$, $128 \leq n \leq 251$; the lowest, middle, highest channel numbers (ARFCHs) used and tested in this report are separately 128 (824.2MHz), 189 (836.4MHz) and 251 (848.8MHz).

Note 2: The transmitter (Tx) frequency arrangement of the PCS 1900MHz band used by the EUT can be represented with the formula $F(n)=1850.2+0.2*(n-512)$, $512 \leq n \leq 810$; the lowest, middle and highest channel numbers (ARFCHs) used and tested in this report are separately 512 (1850.2MHz), 661 (1880.0MHz) and 810 (1909.8MHz).

Note 3: All test modes and data rates were considered and evaluated respectively by performing





full test. Test modes are chosen to be reported as the worst case below:

GSM mode and GPRS mode for GSM 850;

GSM mode and GPRS mode for GSM 1900;

Note 4: SIM 1 and SIM 2 is a chipset unit and tested as a single chipset. The SIM 1 is chosen for test.

Note 5: The EUT description presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information. For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

1.3. Maximum E.R.P./E.I.R.P. and Emission Designator

Test Mode	Maximum E.R.P./E.I.R.P. (W)	Emission Designator
GSM850(GSM)	1.117	247KGXW
GSM1900(GSM)	0.760	248KGXW





1.4. Test Standards and Results

The objective of the report is to perform testing according to 47 CFR Part 2, Part 22 and Part 24 for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 2 (10-1-12 Edition)	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22 (10-1-12 Edition)	Public Mobile Services
3	47 CFR Part 24 (10-1-12 Edition)	Personal Communications Services

Test detailed items/section required by FCC rules and results are as below:

No.	Section	Description	Test Engineer	Result	Remark
1	2.1046	Conducted RF Output Power	Zheng Jianhua	PASS	/
2	24.232(d)	Peak -Average Ratio	Liu Huiyan	PASS	/
3	2.1049	Occupied Bandwidth	Liu Huiyan	PASS	/
4	2.1055, 22.355, 24.235, 27.54	Frequency Stability	Liu Huiyan	PASS	/
5	2.1051, 22.917(a), 24.238(a),	Conducted Out of Band Emissions	Liu Huiyan	PASS	/
6	2.1051, 22.917(a), 24.238(a),	Band Edge	Liu Huiyan	PASS	/
7	22.913(a),24.232(c)	Transmitter Radiated Power (E.I.P.R./E.R.P.)	Liu Huiyan	PASS	/
8	2.1051, 22.917(a), 24.238(a),	Radiated Out of Band Emissions	Li Hanbin	PASS	/

Note 1: The tests were performed according to the method of measurements prescribed in KDB 971168 D01 v03r01 and ANSI/TIA-603-E-2016.

Note 2: Any additions, deviation, or exclusions from the method shall be noted in the "Remark".

Note 3: The antenna gain presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information.





1.5. Environmental Conditions

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

Temperature (°C):	15-35
Relative Humidity (%):	30-60
Atmospheric Pressure (kPa):	86-106



2.47 CFR Part 2, Part 22H, 24E&27L Requirements

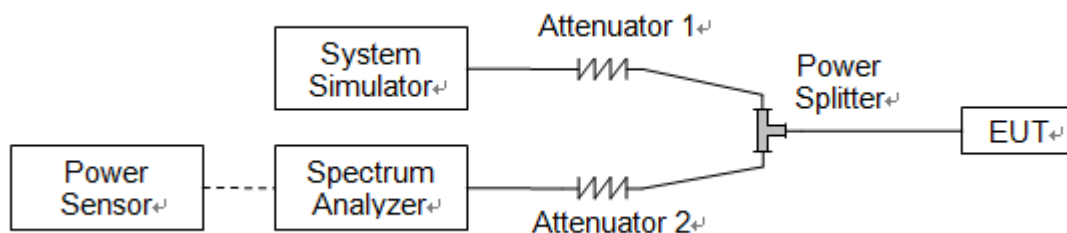
2.1. Conducted RF Output Power

2.1.1. Requirement

According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

2.1.2. Test Description

Test Setup:



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.



**2.1.3.Test Results**

GSM850	Average Power (dBm)		
TX Channel	128	189	251
Frequency (MHz)	824.2	836.4	848.8
GSM 1 Tx slot	32.28	32.25	32.26
GPRS 1 Tx slot	32.33	32.35	32.30
GPRS 2 Tx slots	30.48	30.51	30.50
GPRS 3 Tx slots	28.74	28.75	28.73
GPRS 4 Tx slots	26.83	26.86	26.83

GSM1900	Average Power (dBm)		
TX Channel	512	661	810
Frequency (MHz)	1850.2	1880	1909.8
GSM 1 Tx slot	29.09	29.05	29.09
GPRS 1 Tx slot	29.12	29.15	29.11
GPRS 2 Tx slots	27.10	27.12	26.99
GPRS 3 Tx slots	25.21	25.24	25.14
GPRS 4 Tx slots	23.25	23.27	23.15



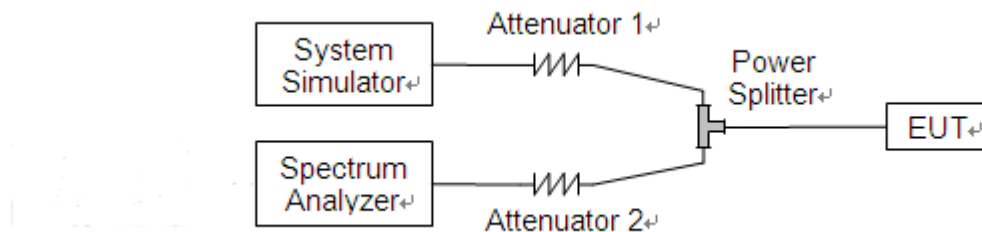
2.2. Peak to Average Ratio

2.2.1. Requirement

According to FCC 24.232(d), the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

2.2.2. Test Description

Test Setup:



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.

2.2.3. Test procedure

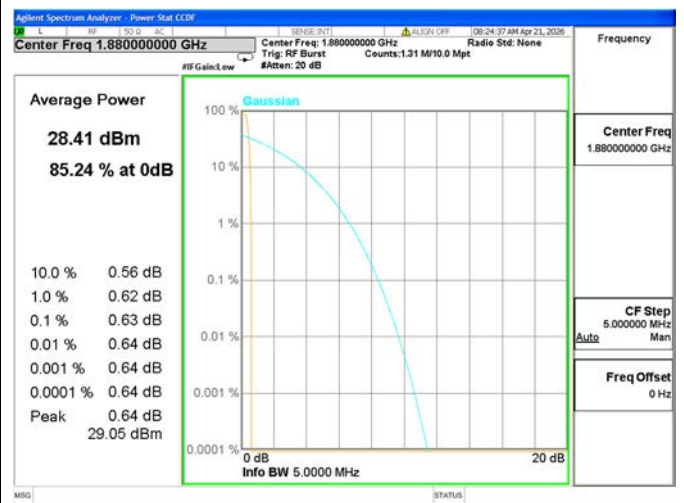
1. For GSM operating mode:
 - a. Set RBW=1MHz, VBW=3MHz, peak detector in spectrum analyzer.
 - b. Set EUT in maximum output power, and triggered the bust signal.
 - c. Measured respectively the peak level and mean level, and the deviation was recorded as Peak to Average ratio.
2. For UMTS operating mode:
 - a. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
 - b. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1%.

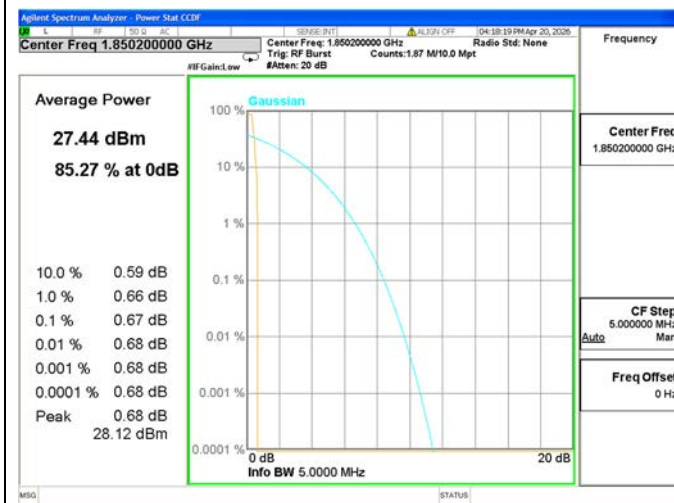
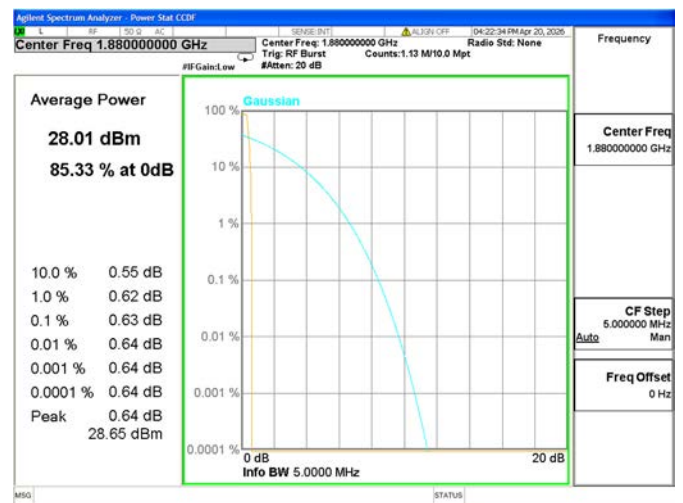


**2.2.4.Test Result****A. Test Verdict:**

GSM1900					
Mode	Channel	Frequency (MHz)	Peak to Average ratio (dB)	Limit (dB)	Verdict
GSM	512	1850.2	0.62	13	PASS
	661	1880.0	0.64		PASS
	810	1909.8	0.63		PASS
GPRS	512	1850.2	0.68		PASS
	661	1880.0	0.68		PASS
	810	1909.8	0.63		PASS



**GSM1900(GSM), CH512, 1850.2MHz****GSM1900(GSM), CH661, 1880.0MHz****GSM1900(GSM), CH810, 1909.8MHz**

**GSM1900(GPRS), CH512, 1850.2MHz****GSM1900(GPRS), CH661, 1880.0MHz****GSM1900(GPRS), CH810, 1909.8MHz**

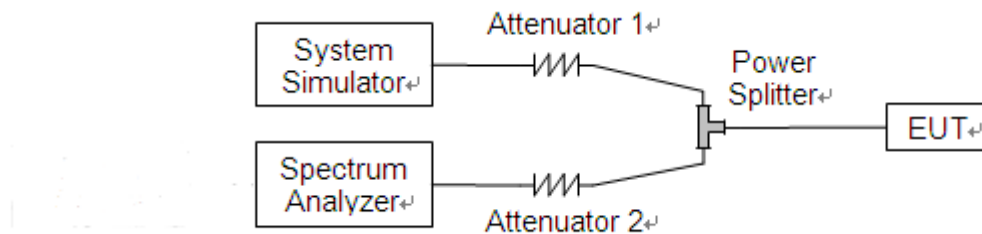
2.3. Occupied Bandwidth

2.3.1. Requirement

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission. Occupied bandwidth is also known as the 99% emission bandwidth.

2.3.2. Test Description

Test Setup:



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.

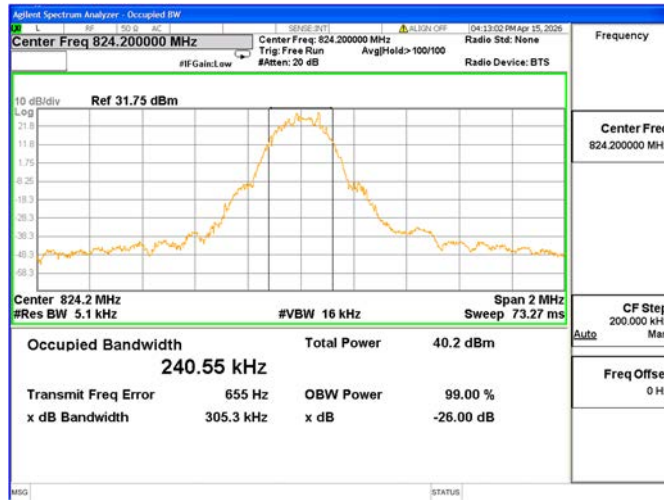
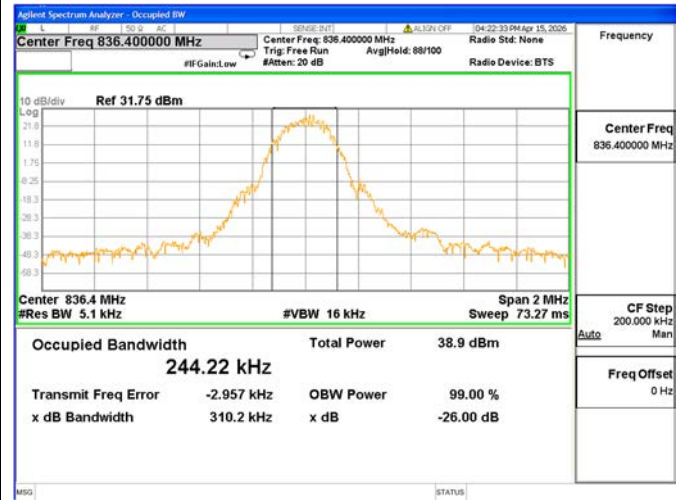
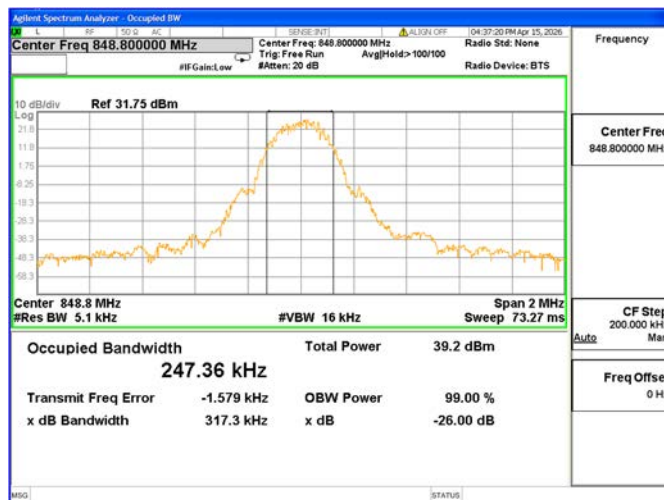


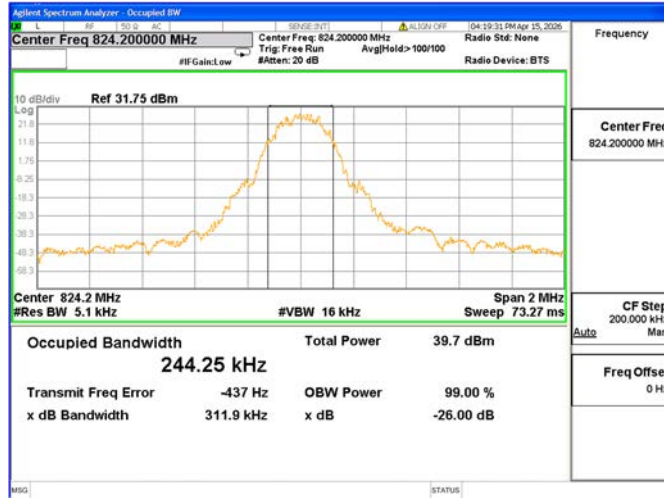
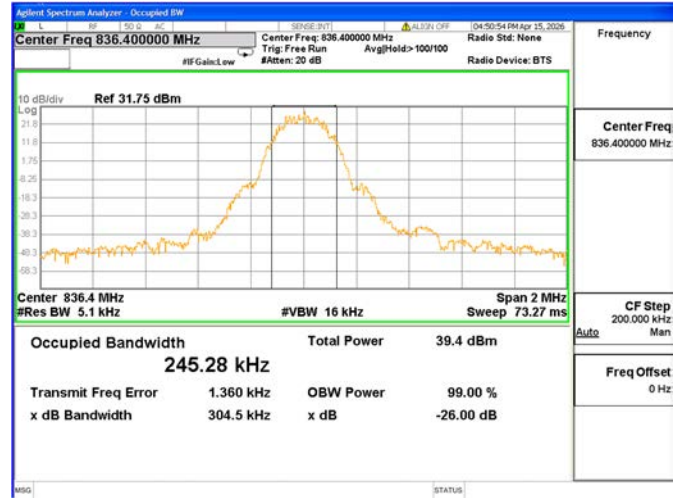
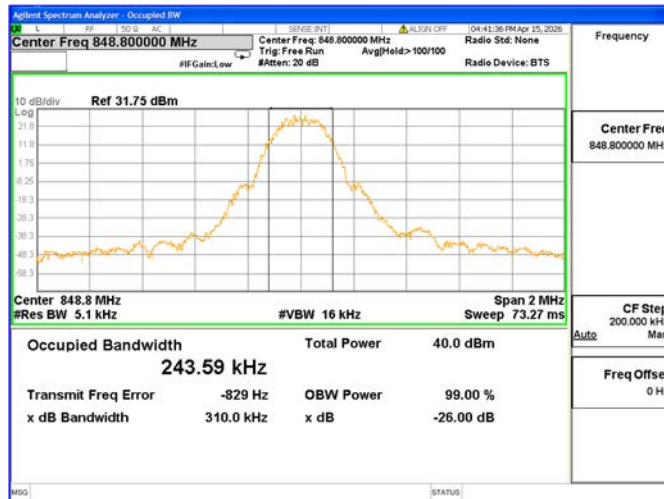
2.3.3.Test Result

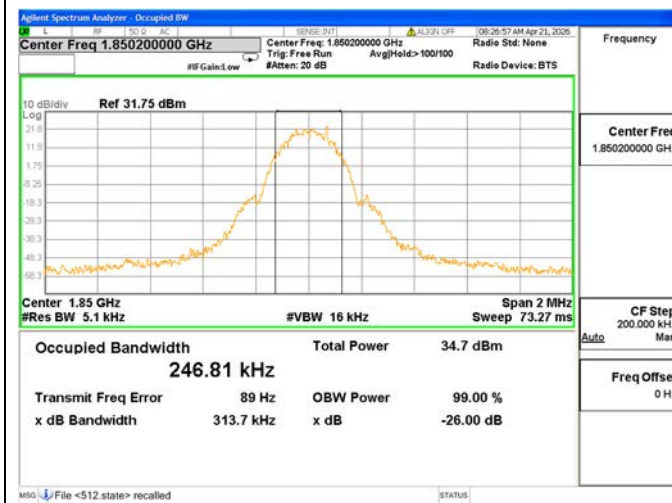
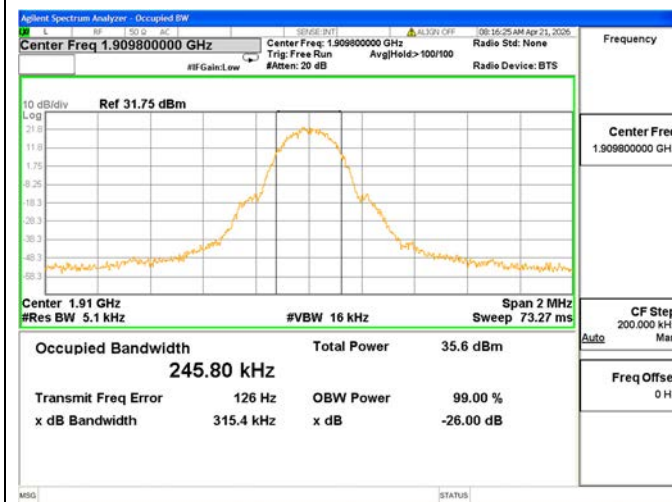
GSM850				
Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)
GSM	128	824.2	240.55	314.5
	189	836.4	244.22	315.0
	251	848.8	247.36	313.7
GPRS	128	824.2	244.25	312.5
	189	836.4	245.28	318.3
	251	848.8	243.59	311.3

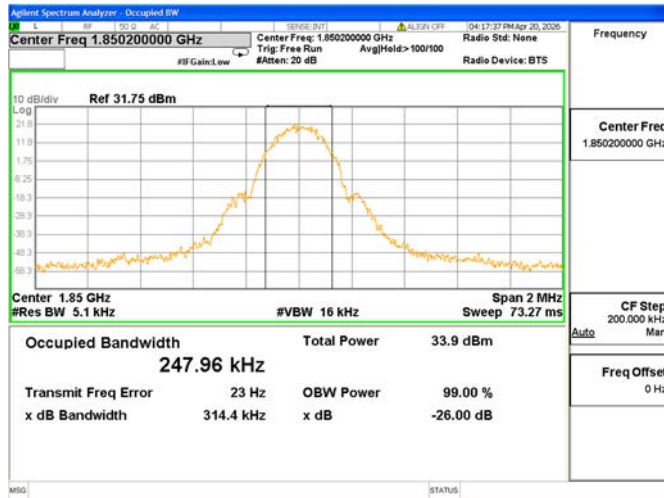
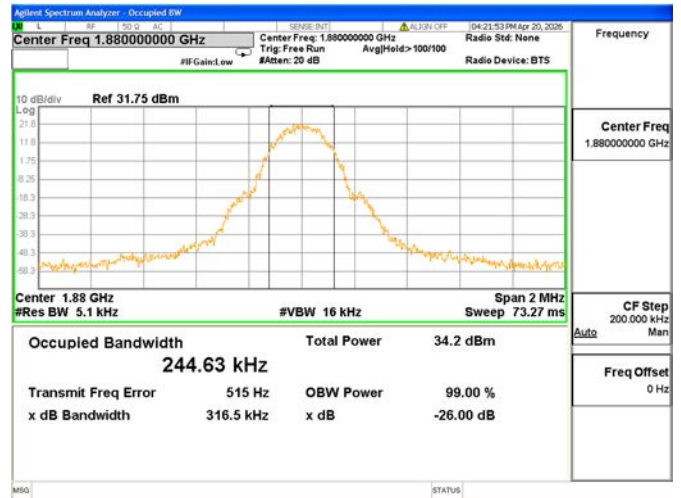
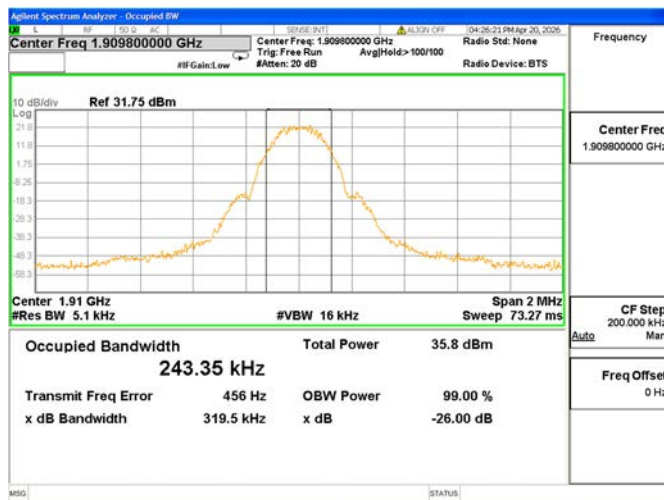
GSM1900				
Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)
GSM	512	1850.2	246.81	308.1
	661	1880.0	242.44	311.0
	810	1909.8	245.80	299.3
GPRS	512	1850.2	247.96	316.1
	661	1880.0	244.63	311.2
	810	1909.8	243.35	321.5



**GSM850(GSM), CH128, 824.2MHz****GSM850(GSM), CH189, 836.4MHz****GSM850(GSM), CH251, 848.8MHz**

**GSM850(GPRS), CH128, 824.2MHz****GSM850(), CH189, 836.4MHz****GSM850(GPRS), CH251, 848.8MHz**

**GSM1900(GSM), CH512, 1850.2MHz****GSM1900(GSM), CH661, 1880.0MHz****GSM1900(GSM), CH810, 1909.8MHz**

**GSM1900(GPRS), CH512, 1850.2MHz****GSM1900(GPRS), CH661, 1880.0MHz****GSM1900(GPRS), CH810, 1909.8MHz**

2.4. Frequency Stability

2.4.1. Requirement

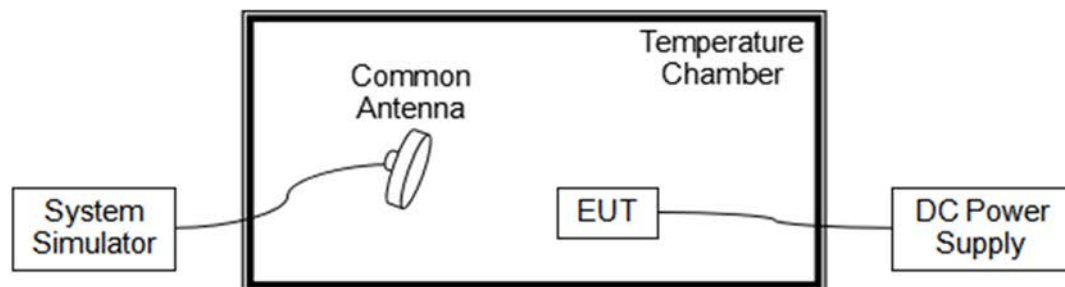
According to FCC section 22.355, 24.235 the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

- (a) The temperature is varied from -30°C to $+50^{\circ}\text{C}$ at intervals of not more than 10°C .
- (b) For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacture. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

Note: The operating temperature of EUT is from 0°C to 40°C , which are specified by the applicant.

2.4.2. Test Description

Test Setup:



The EUT, which is powered by the DC Power Supply directly, is located in the Temperature Chamber. The EUT is commanded by the System Simulator (SS) to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS via a Common Antenna.





2.4.3.Test Result

The nominal, highest and lowest extreme voltages are separately 3.70V, 4.20V and 2.40V, which are specified by the applicant; the normal temperature here used is 20°C.

GSM 850MHz, Channel 189, Frequency 836.4MHz					
Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.70	+20(Ref)	15	0.018	PASS
Normal		0	-23	-0.027	
Normal		+10	4	0.005	
Normal		+20	20	0.024	
Normal		+30	18	0.022	
Normal		+40	-13	-0.016	
High	4.20	+20	7	0.008	
BATT.ENDPOINT	2.40	+20	15	0.018	

GSM 1900MHz, Channel 661, Frequency 1880.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.70	+20(Ref)	17	0.009	PASS
Normal		0	-15	-0.008	
Normal		+10	20	0.011	
Normal		+20	0	0.000	
Normal		+30	14	0.007	
Normal		+40	17	0.009	
High	4.20	+20	16	0.009	
BATT.ENDPOINT	2.40	+20	20	0.011	





GPRS 850MHz, Channel 189, Frequency 836.4MHz					
Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.70	+20(Ref)	14	0.017	PASS
Normal		0	5	0.006	
Normal		+10	15	0.018	
Normal		+20	15	0.018	
Normal		+30	-15	-0.018	
Normal		+40	-10	-0.012	
High	4.20	+20	18	0.022	
BATT.ENDPOINT	2.40	+20	15	0.018	

GPRS 1900MHz, Channel 661, Frequency 1880.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.70	+20(Ref)	-14	-0.007	PASS
Normal		0	-12	-0.006	
Normal		+10	16	0.009	
Normal		+20	6	0.003	
Normal		+30	19	0.010	
Normal		+40	18	0.010	
High	4.20	+20	-6	-0.003	
BATT.ENDPOINT	2.40	+20	14	0.007	



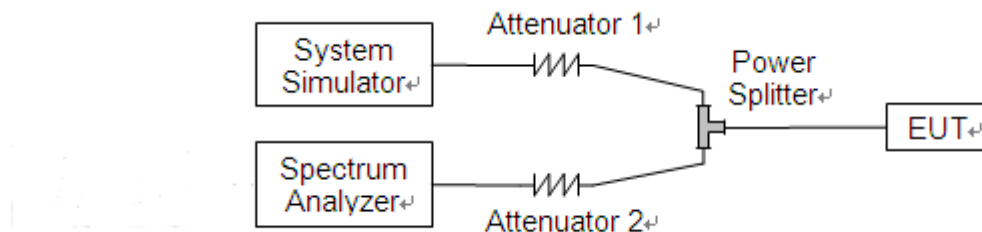
2.5. Conducted Out of Band Emissions

2.5.1. Requirement

According to FCC section 22.917(a) and 24.238(a) 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. This calculated to be -13dBm. The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency.

2.5.2. Test Description

Test Setup:



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.

Note: The measurement range exceeds 18GHz. We will adopt the Directional Coupler.

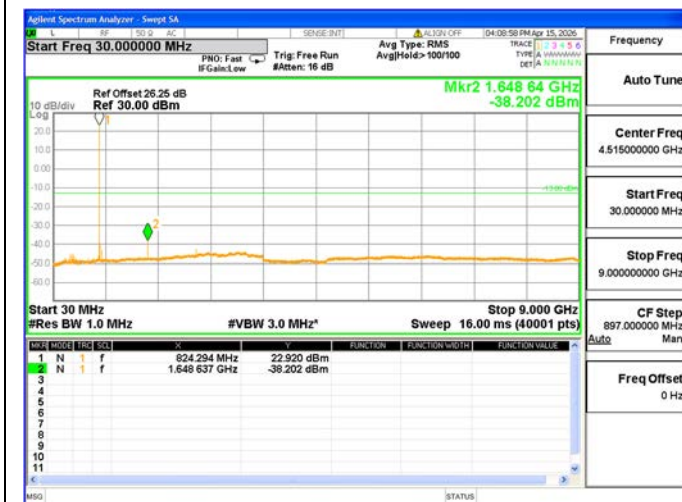
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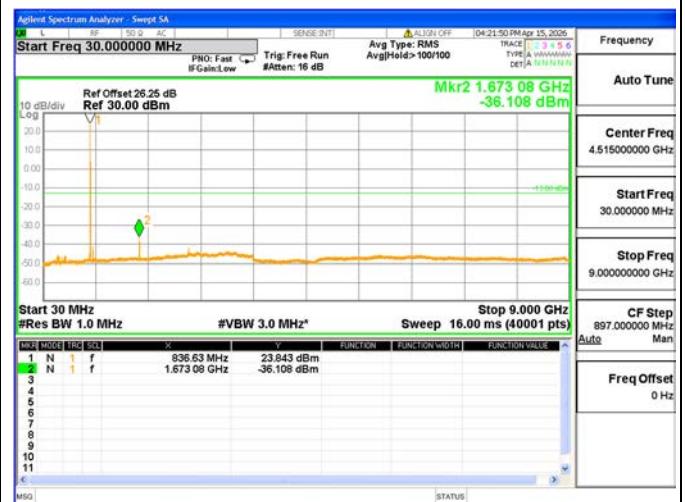


2.5.3.Test Result

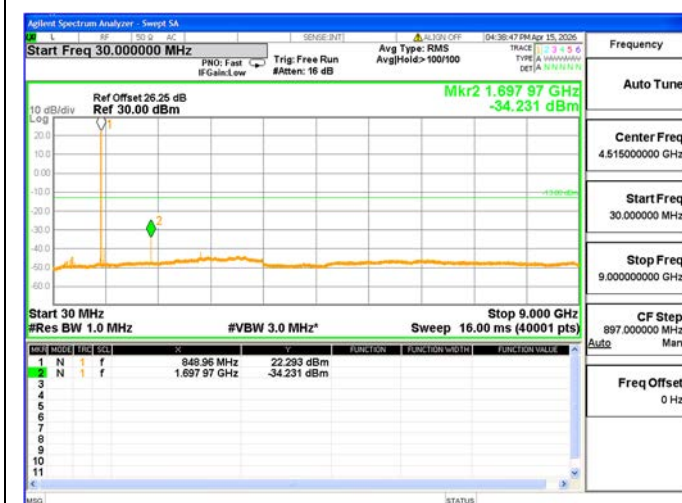
GSM850(GSM), CH128, 824.2MHz



GSM850(GSM), CH189, 836.4MHz

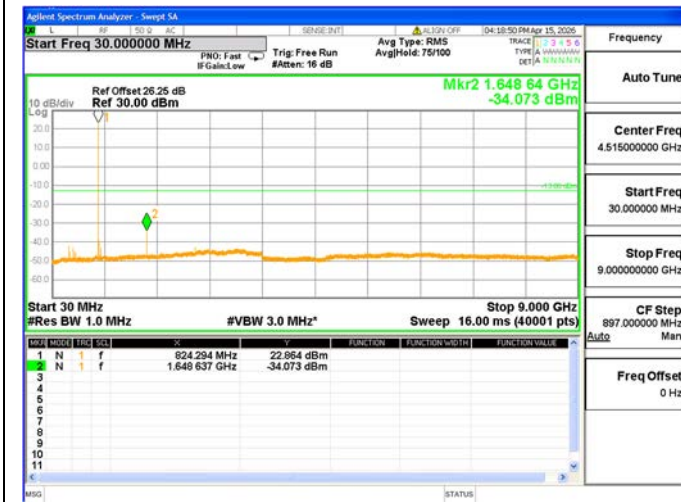


GSM850(GSM), CH251, 848.8MHz

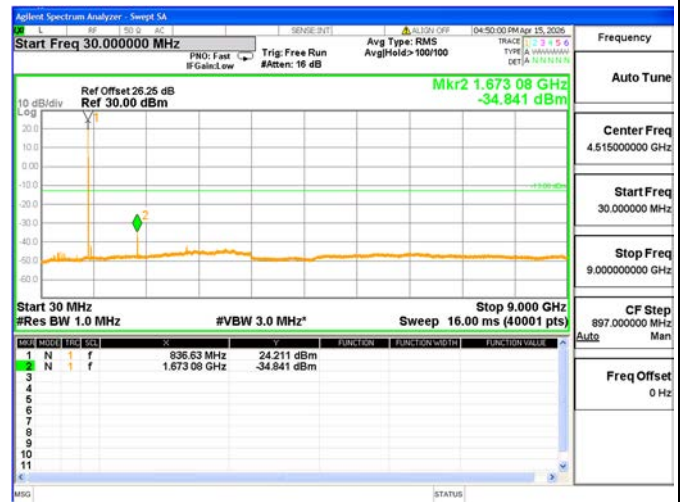




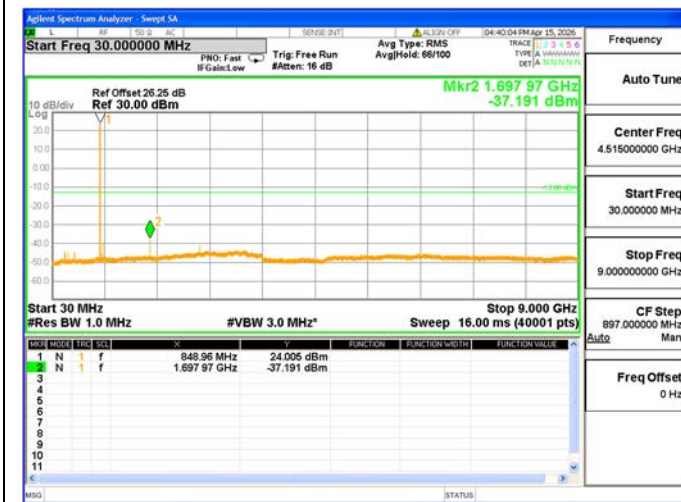
GSM850(GPRS), CH128, 824.2MHz



GSM850(GPRS), CH189, 836.4MHz

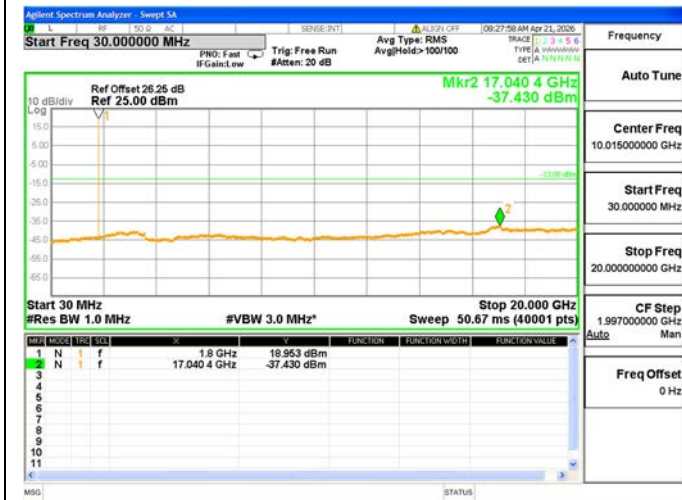


GSM850(GPRS), CH251, 848.8MHz





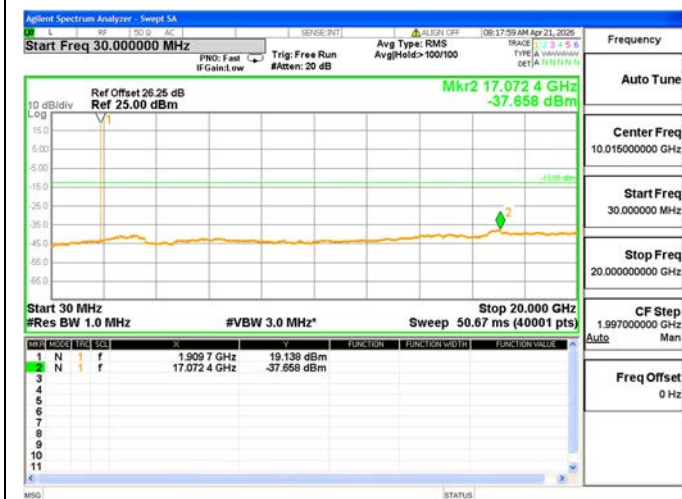
GSM1900(GSM), CH512, 1850.2MHz



GSM1900(GSM), CH661, 1880.0MHz

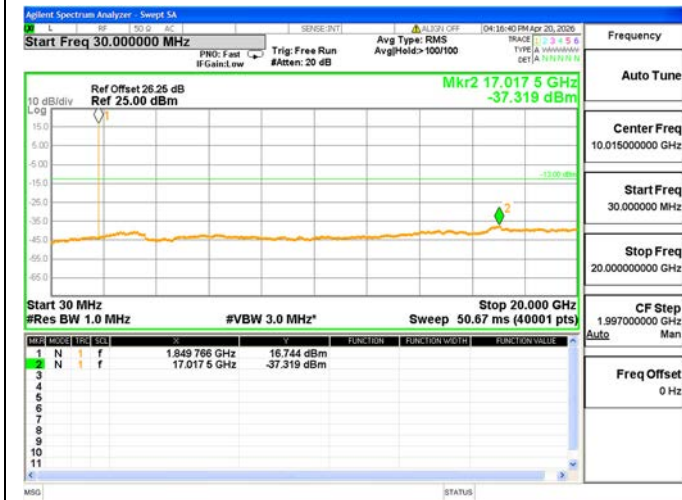


GSM1900(GSM), CH810, 1909.8MHz





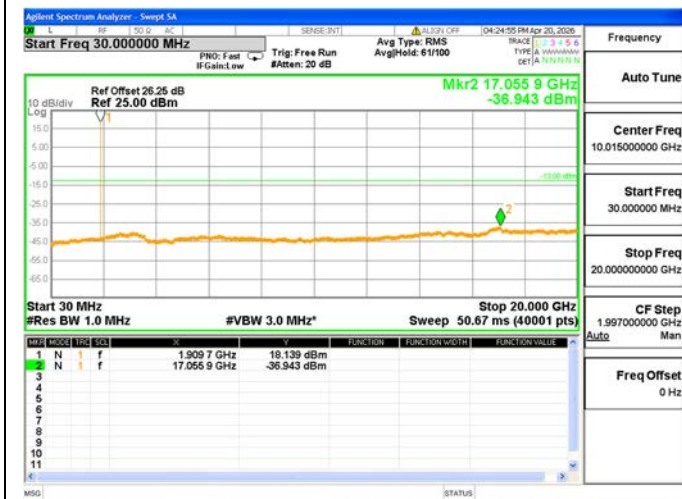
GSM1900(GPRS), CH512, 1850.2MHz



GSM1900(GPRS), CH661, 1880.0MHz



GSM1900(GPRS), CH810, 1909.8MHz



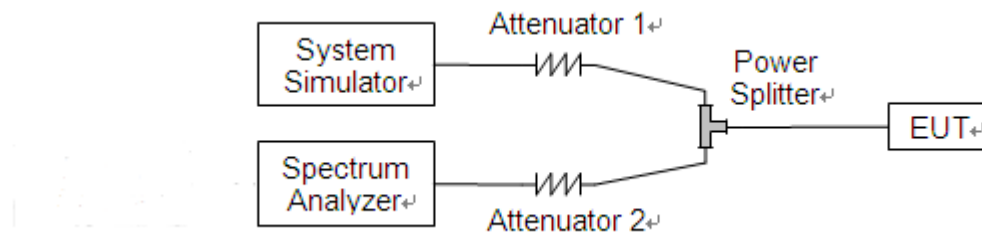
2.6. Band Edge

2.6.1. Requirement

According to FCC section 22.917(a), 24.238(a) and 27.53(h) the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43+10\log(P)$ dB.

2.6.2. Test Description

Test Setup:



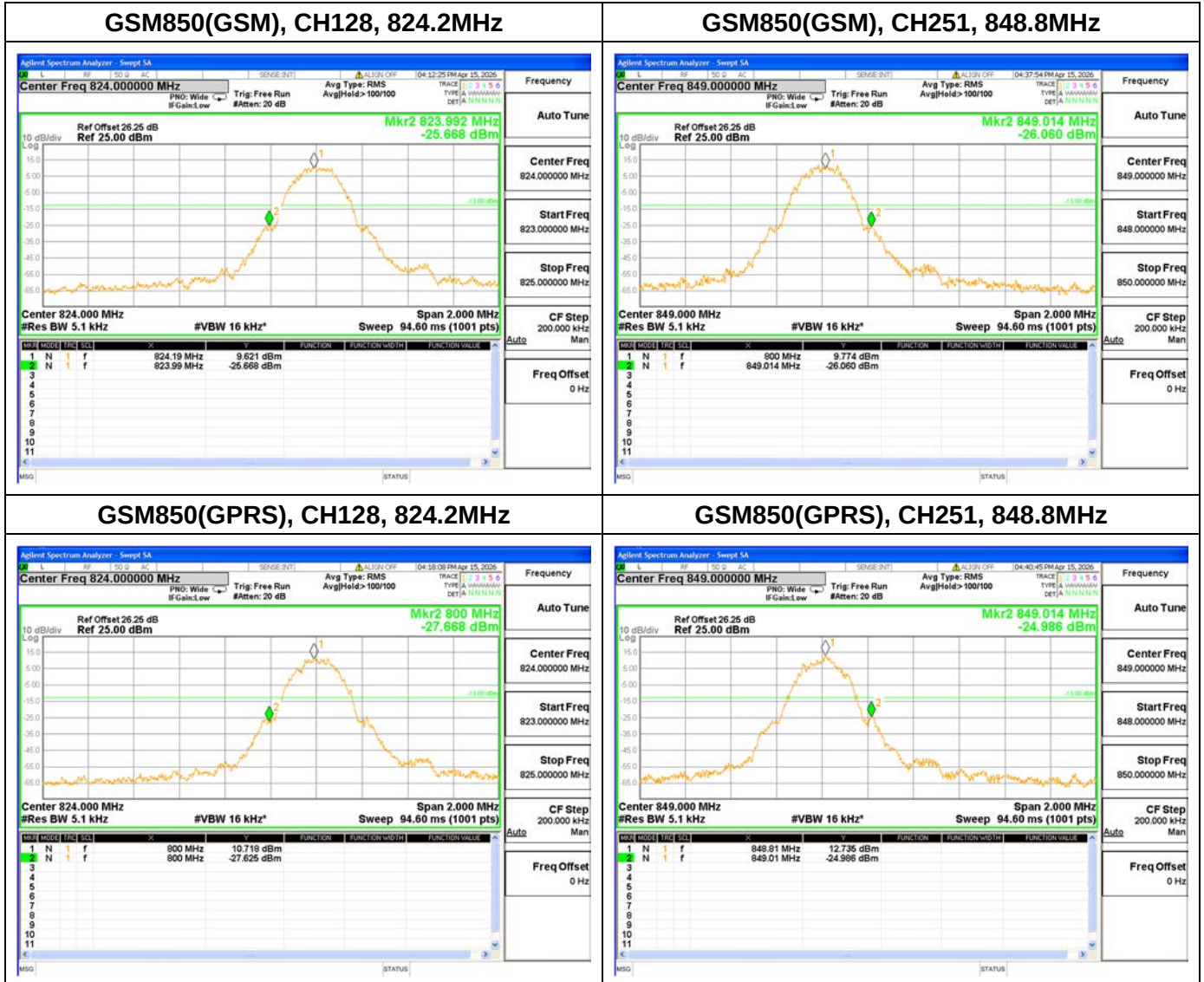
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.





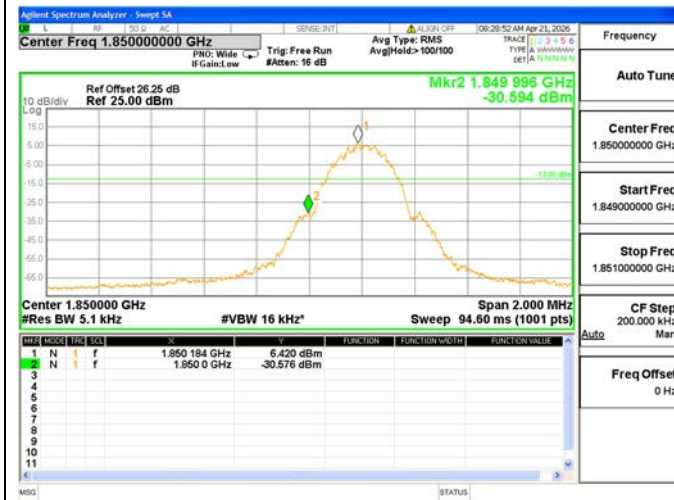
2.6.3. Test Result

The lowest and highest channels are tested to verify the band edge emissions.

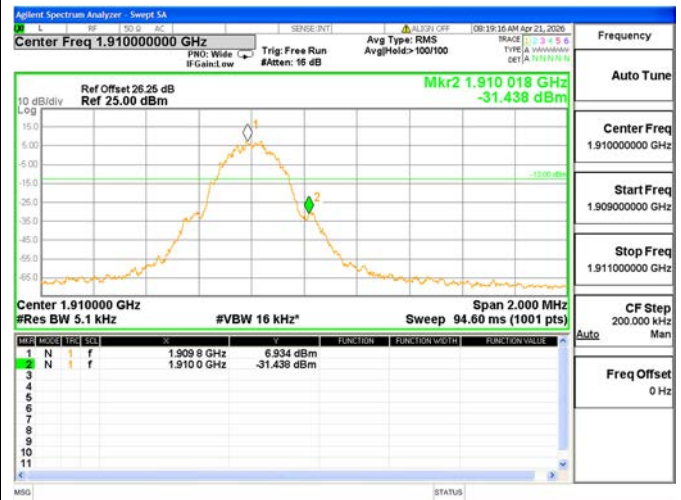




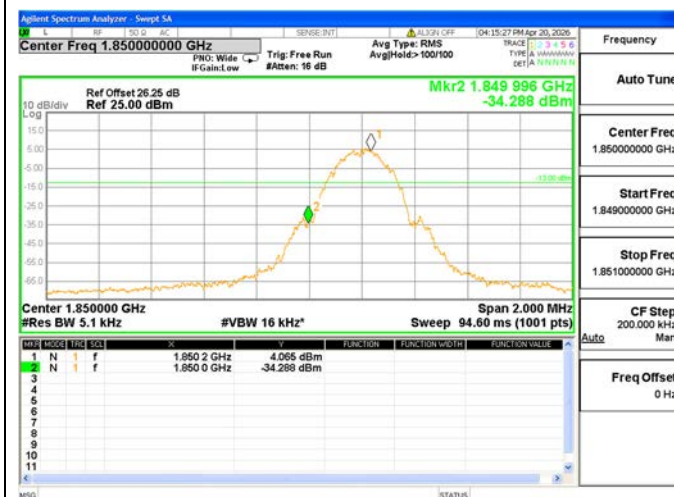
GSM1900(GSM), CH512, 1850.2MHz



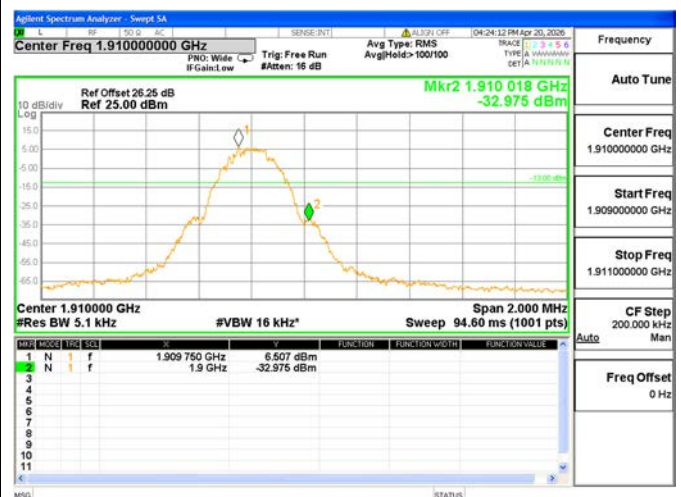
GSM1900(GSM), CH810, 1909.8MHz



GSM1900(GPRS), CH512, 1850.2MHz



GSM1900(GPRS), CH810, 1909.8MHz



2.7. Determining E.R.P. and/or E.I.R.P. from conducted RF output power measurements

2.7.1. Requirement

According to FCC section 22.913, the Effective Radiated Power (E.R.P.) of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

According to FCC section 24.232, the broadband PCS mobile station is limited to 2 Watts e.i.r.p. peak power.

According to FCC section 27.50, mobile, and portable (hand-held) stations is limited to 1 Watts e.i.r.p. peak power.

2.7.2. Test Description

The test setups refer to section 2.1.3

A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power (i.e. GSM850MHz band Power Control Level (PCL) = 5/19 and Power Class = 4, GSM1900MHz band Power Control Level (PCL) = 0/15 and Power Class = 1), and only the test result of the maximum output power was recorded. Please refer to section 2.1.3 of this report.

The relevant equation for determining the maximum E.R.P. or E.I.R.P. from the measured RF output power is given in Equation (1) as follows:

$$\text{E.R.P. or E.I.R.P.} = P_{\text{Meas}} + G_{\text{T}}$$

Where:

E.R.P. or E.I.R.P. effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas} , e.g., dBm or dBW)

P_{Meas} measured transmitter output power or PSD, in dBm or dBW

G_{T} gain of the transmitting antenna, in dBd (E.R.P.) or dBi (E.I.R.P.)

For devices utilizing multiple antennas, see ANSI C63.25-2015 6.4 for guidance with respect to determining the effective array transmit antenna gain term to be used in the above equation.

The following equations demonstrate the mathematical relationship between E.R.P. and E.I.R.P.:

a) $\text{E.R.P.} = \text{E.I.R.P.} - 2.15$, where E.R.P. and E.I.R.P. are expressed in consistent units.

b) $\text{E.I.R.P.} = \text{E.R.P.} + 2.15$, where E.R.P. and E.I.R.P. are expressed in consistent units.



**2.7.3.Test Result**

GSM850								
Band	Channel	Frequency (MHz)	PCL	Measured E.R.P.		Limit		Verdict
				dBm	W	dBm	W	
GSM	128	824.20	5	30.410	1.099	38.5	7	PASS
	189	836.40	5	30.380	1.091			PASS
	251	848.80	5	30.390	1.094			PASS
GPRS	128	824.20	5	30.460	1.112	38.5	7	PASS
	189	836.40	5	30.480	1.117			PASS
	251	848.80	5	30.430	1.104			PASS
Note 1: For the GPRS mode, all the slots were tested and just the worst data were recorded in this report.								

GSM1900								
Band	Channel	Frequency (MHz)	PCL	Measured E.I.R.P.		Limit		Verdict
				dBm	W	dBm	W	
GSM	512	1850.2	0	28.750	0.750	33	2	PASS
	661	1880.0	0	28.710	0.743			PASS
	810	1909.8	0	28.750	0.750			PASS
GPRS	512	1850.2	0	28.780	0.755	33	2	PASS
	661	1880.0	0	28.810	0.760			PASS
	810	1909.8	0	28.770	0.753			PASS
Note 1: For the GPRS mode, all the slots were tested and just the worst data were recorded in this report.								

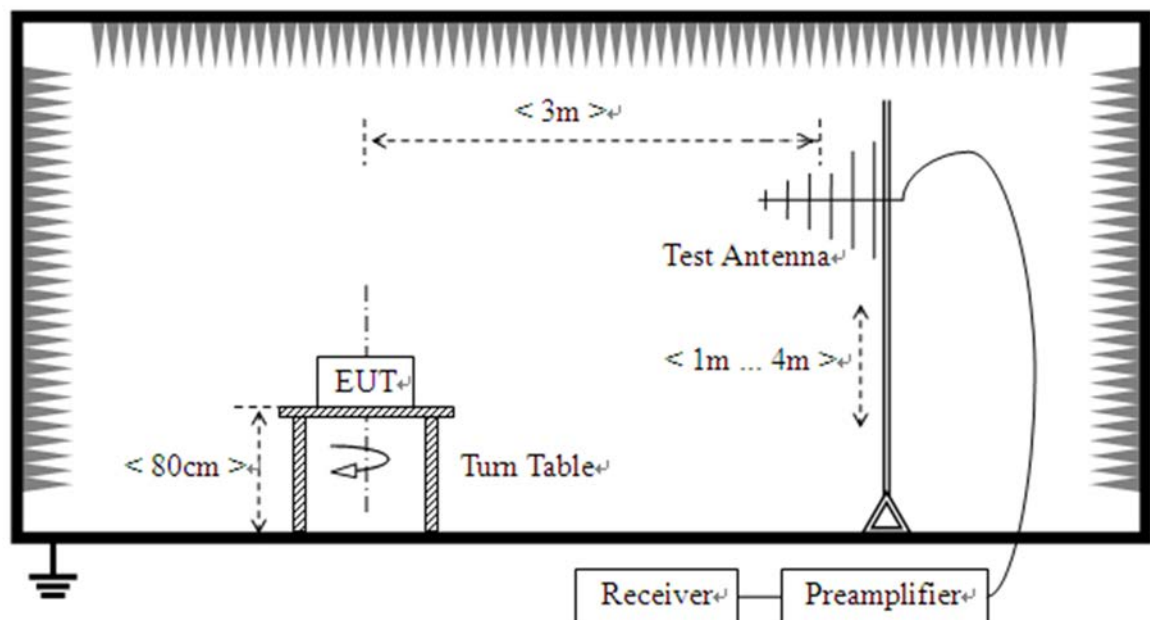


2.8. Radiated Out of Band Emissions

2.8.1. Requirement

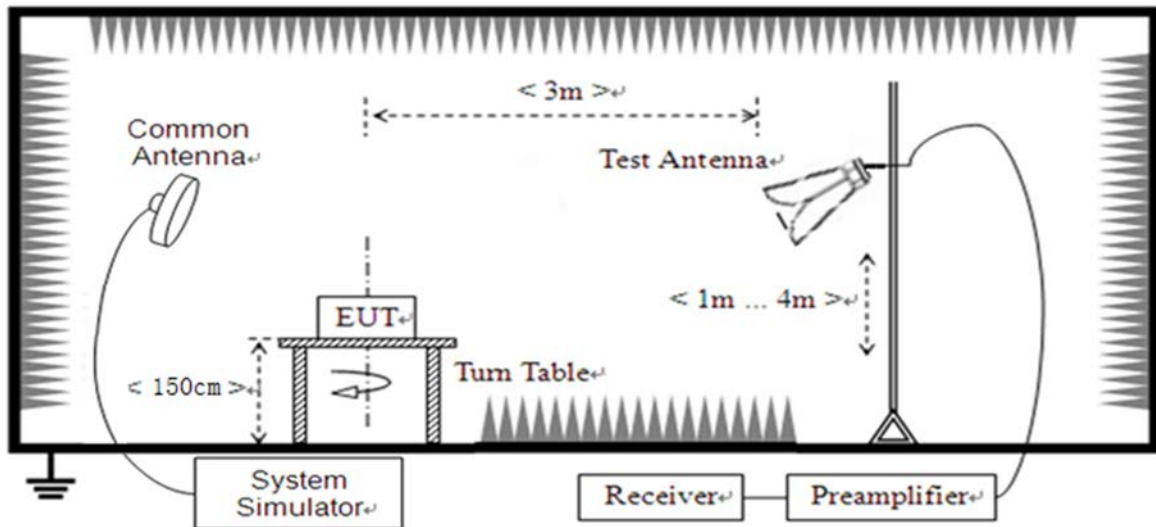
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43+10\log(P)$ dB. This calculated to be -13dBm. The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency.

2.8.2. Test Description



(For the test frequency from 30MHz to 1GHz)





(For the test frequency above 1GHz)

The EUT is located in a 3m Full-Anechoic Chamber, the cable loss, air loss and so on of the site as factors are pre-calibrated using the "Substitution" method, and calculated to correct the reading. A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power and only the test result of the maximum output power was recorded.

In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground and the Turn Table is actuated to turn from 0° to 360° to determine the maximum value of the radiated power. The emission levels at both horizontal and vertical polarizations should be tested. The Filters consists of Notch Filters and High Pass Filter.

Note: When doing measurements above 1GHz, the EUT has been within the 3dB cone width of the horn antenna during horizontal antenna.

2.8.3.Test Procedure

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements.

For measurements above 1GHz the resolution bandwidth is set to 1MHz, the video band width is set to 3MHz for peak measurements.





2.8.4.Test Result

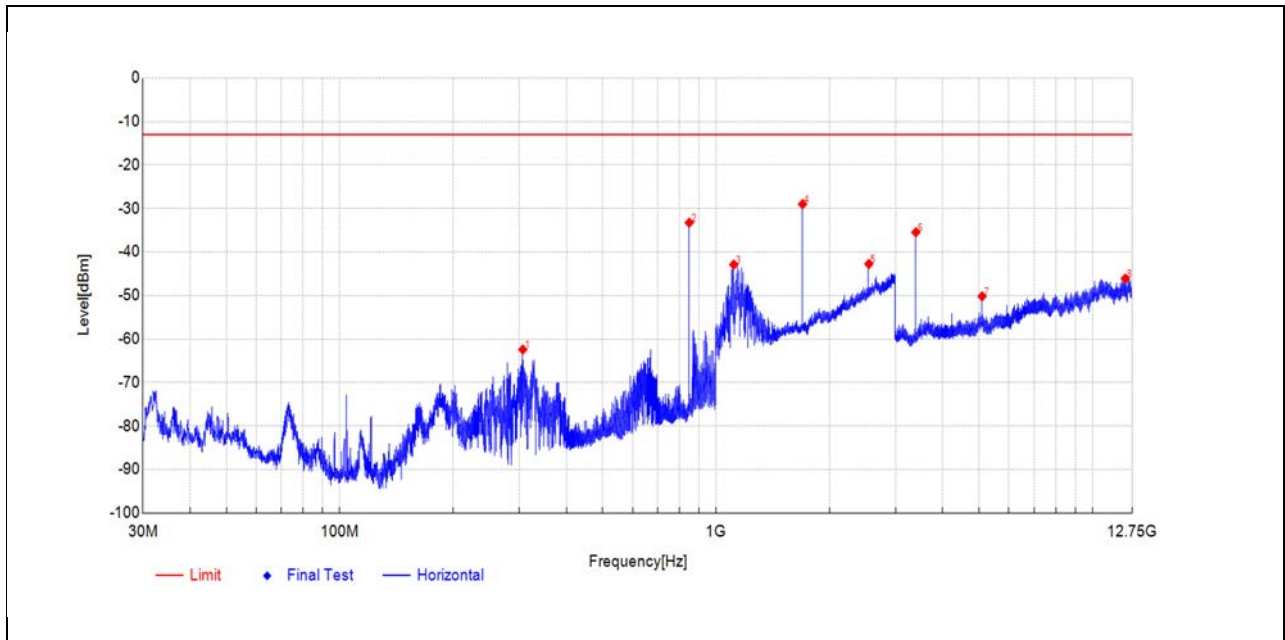
Note1: The power of the EUT transmitting frequency should be ignored.

Note2: All test mode and condition mentioned were considered and evaluated respectively by performing full test, only the worst data were recorded and reported.

Note3: All spurious emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Note4: NA means the frequency is the basic frequency or the base station frequency, they are no need to verdict.



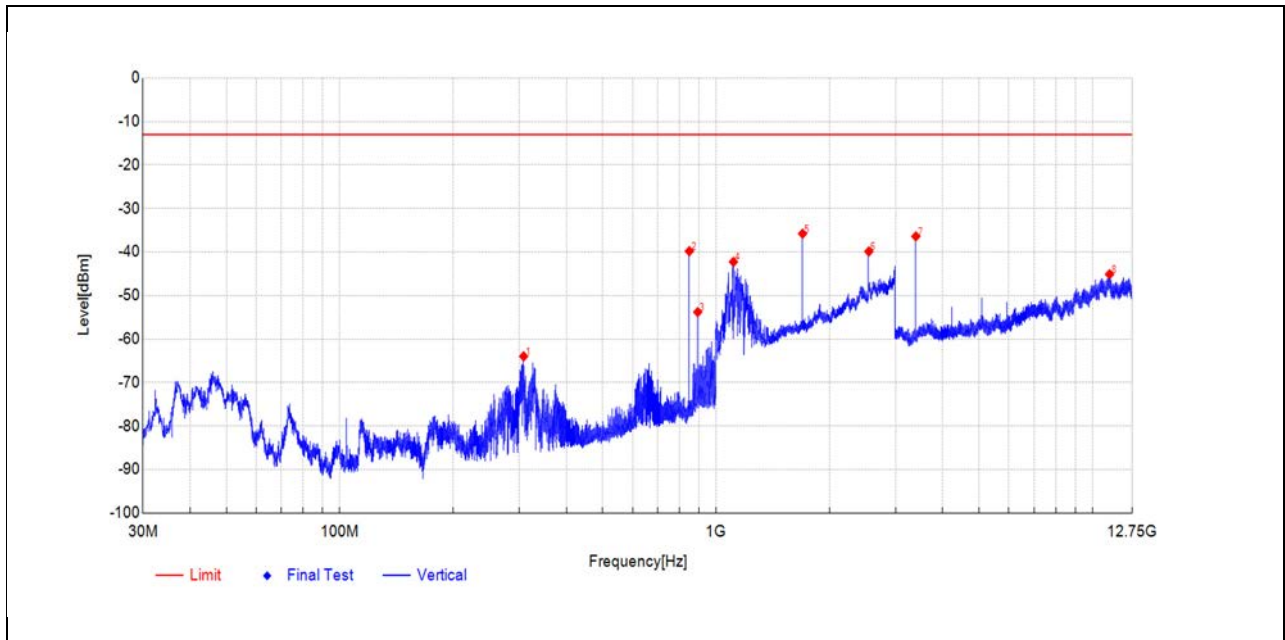


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	306.4638	-44.09	-62.40	-18.3	-13.0	49.4	Horizontal	PK	92	PASS
2	848.8179	-28.04	-33.23	-5.2	-	-	Horizontal	PK	240	NA
3	1114.0228	-40.49	-42.88	-2.4	-13.0	29.9	Horizontal	PK	128	PASS
4	1698.1396	-31.92	-28.98	2.9	-13.0	16.0	Horizontal	PK	128	PASS
5	2546.7093	-53.75	-42.73	11.0	-13.0	29.7	Horizontal	PK	293	PASS
6	3395.3823	-35.58	-35.45	0.1	-13.0	22.5	Horizontal	PK	5	PASS
7	5092.9421	-56.23	-50.16	6.1	-13.0	37.2	Horizontal	PK	347	PASS
8	12229.8115	-67.97	-46.10	21.9	-13.0	33.1	Horizontal	PK	326	PASS

GSM850 High H



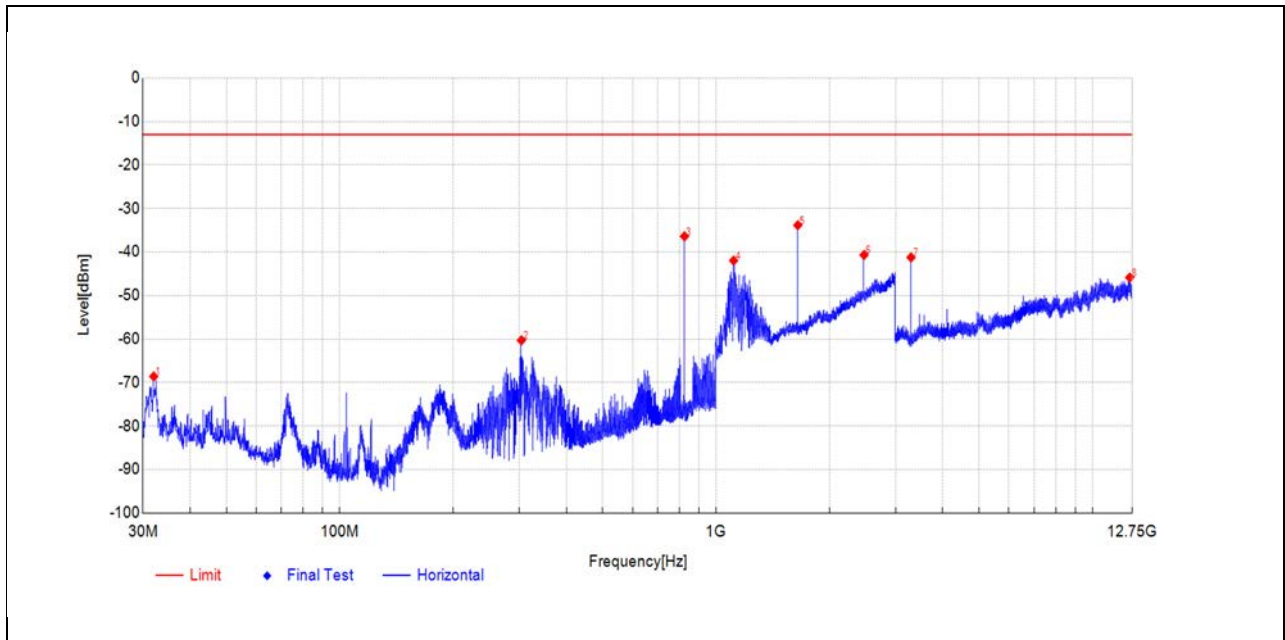


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	308.0159	-48.11	-63.98	-15.9	-13.0	51.0	Vertical	PK	205	PASS
2	848.8179	-34.25	-39.78	-5.5	-	-	Vertical	PK	316	NA
3	893.7797	-49.36	-53.79	-4.4	-	-	Vertical	PK	5	NA
4	1112.0224	-40.06	-42.25	-2.2	-13.0	29.3	Vertical	PK	87	PASS
5	1697.7395	-38.88	-35.78	3.1	-13.0	22.8	Vertical	PK	149	PASS
6	2545.9092	-51.25	-39.86	11.4	-13.0	26.9	Vertical	PK	66	PASS
7	3395.3823	-36.63	-36.38	0.3	-13.0	23.4	Vertical	PK	295	PASS
8	11106.5553	-67.44	-45.12	22.3	-13.0	32.1	Vertical	PK	5	PASS

GSM850 High V



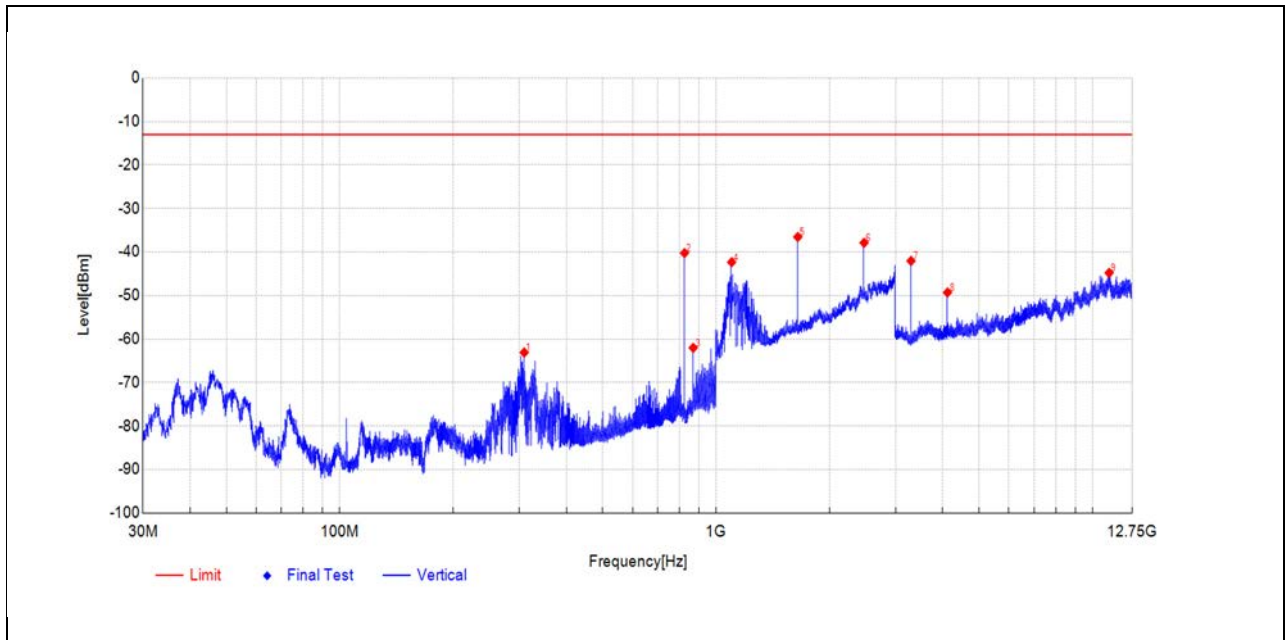


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	32.0371	-53.40	-68.58	-15.2	-13.0	55.6	Horizontal	PK	360	PASS
2	303.8447	-41.88	-60.30	-18.4	-13.0	47.3	Horizontal	PK	252	PASS
3	824.1787	-30.58	-36.38	-5.8	-	-	Horizontal	PK	231	NA
4	1113.2226	-39.56	-41.95	-2.4	-13.0	29.0	Horizontal	PK	128	PASS
5	1648.9298	-36.45	-33.82	2.6	-13.0	20.8	Horizontal	PK	148	PASS
6	2472.6945	-51.01	-40.67	10.3	-13.0	27.7	Horizontal	PK	231	PASS
7	3296.9023	-39.94	-41.22	-1.3	-13.0	28.2	Horizontal	PK	231	PASS
8	12566.2033	-69.15	-45.85	23.3	-13.0	32.9	Horizontal	PK	293	PASS

GSM850 Low H



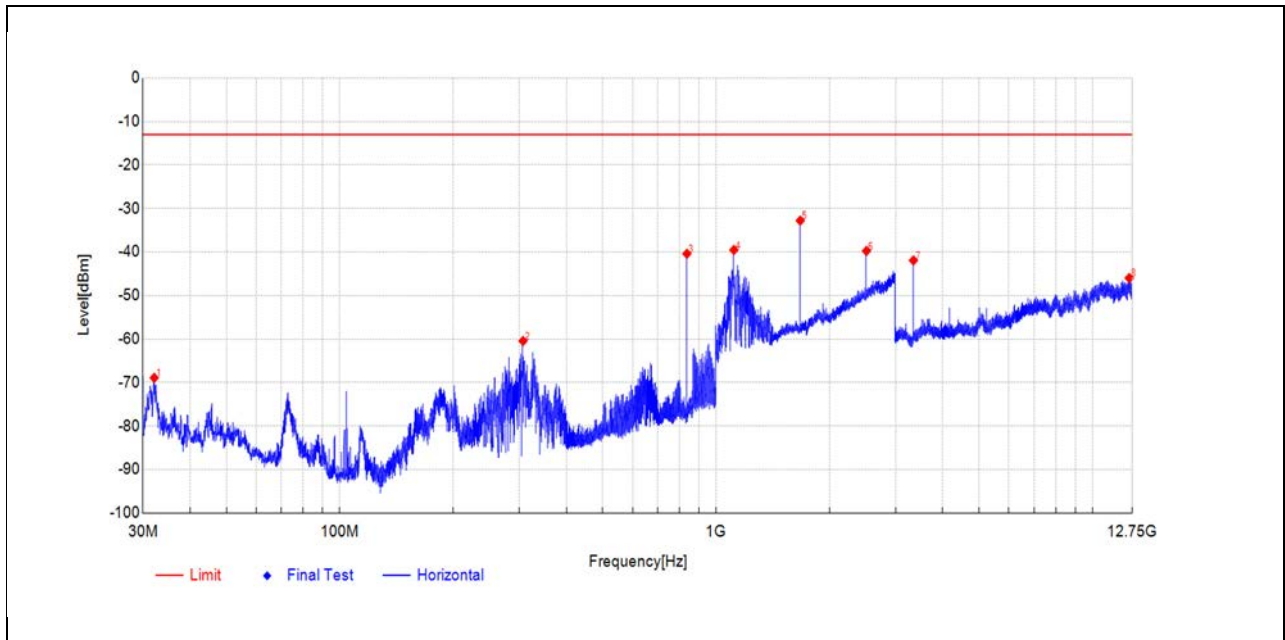


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	309.18	-47.22	-63.09	-15.9	-13.0	50.1	Vertical	PK	243	PASS
2	824.2757	-34.34	-40.23	-5.9	-	-	Vertical	PK	307	NA
3	869.189	-57.15	-62.02	-4.9	-	-	Vertical	PK	360	NA
4	1100.02	-40.30	-42.32	-2.0	-13.0	29.3	Vertical	PK	87	PASS
5	1648.5297	-39.00	-36.52	2.5	-13.0	23.5	Vertical	PK	169	PASS
6	2472.6945	-48.30	-37.87	10.4	-13.0	24.9	Vertical	PK	0	PASS
7	3296.9023	-40.86	-42.03	-1.2	-13.0	29.0	Vertical	PK	329	PASS
8	4120.8185	-51.43	-49.29	2.1	-13.0	36.3	Vertical	PK	5	PASS
9	11080.7165	-67.11	-44.78	22.3	-13.0	31.8	Vertical	PK	360	PASS

GSM850 Low V



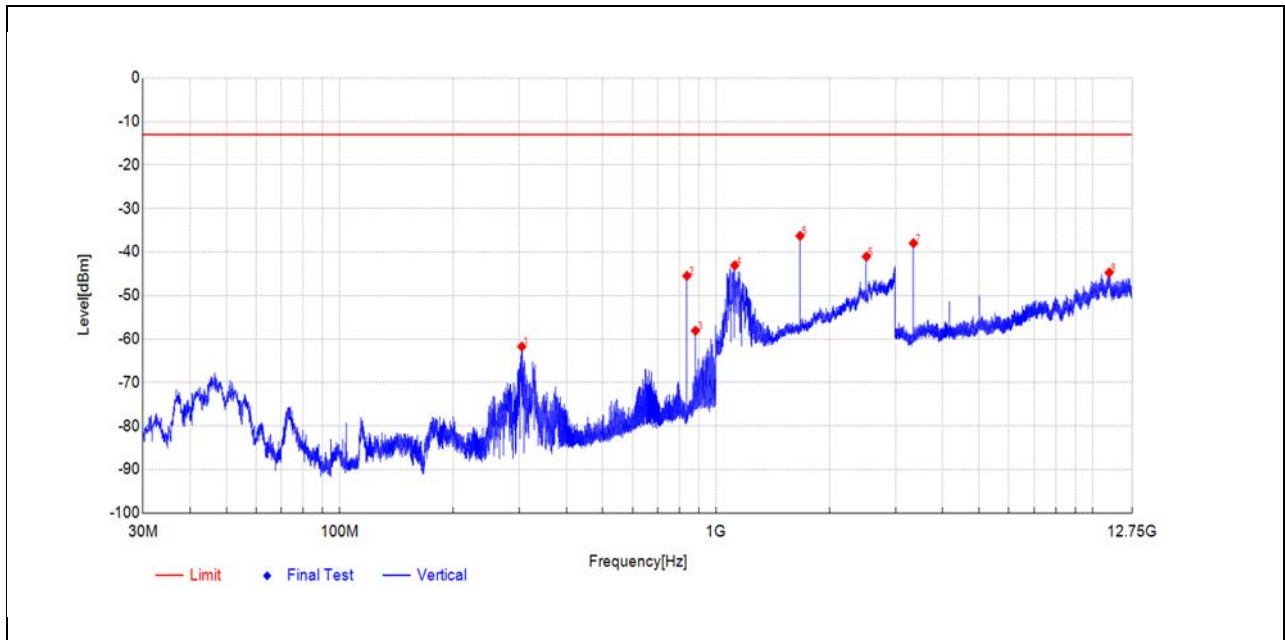


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	32.1341	-53.72	-68.90	-15.2	-13.0	55.9	Horizontal	PK	27	PASS
2	306.9003	-42.15	-60.42	-18.3	-13.0	47.4	Horizontal	PK	68	PASS
3	836.4013	-34.85	-40.39	-5.5	-	-	Horizontal	PK	239	NA
4	1115.223	-37.12	-39.50	-2.4	-13.0	26.5	Horizontal	PK	128	PASS
5	1673.3347	-35.28	-32.77	2.5	-13.0	19.8	Horizontal	PK	128	PASS
6	2509.5019	-49.81	-39.74	10.1	-13.0	26.7	Horizontal	PK	252	PASS
7	3345.6548	-41.30	-41.92	-0.6	-13.0	28.9	Horizontal	PK	196	PASS
8	12524.7637	-69.36	-45.98	23.4	-13.0	33.0	Horizontal	PK	174	PASS

GSM850 Mid H



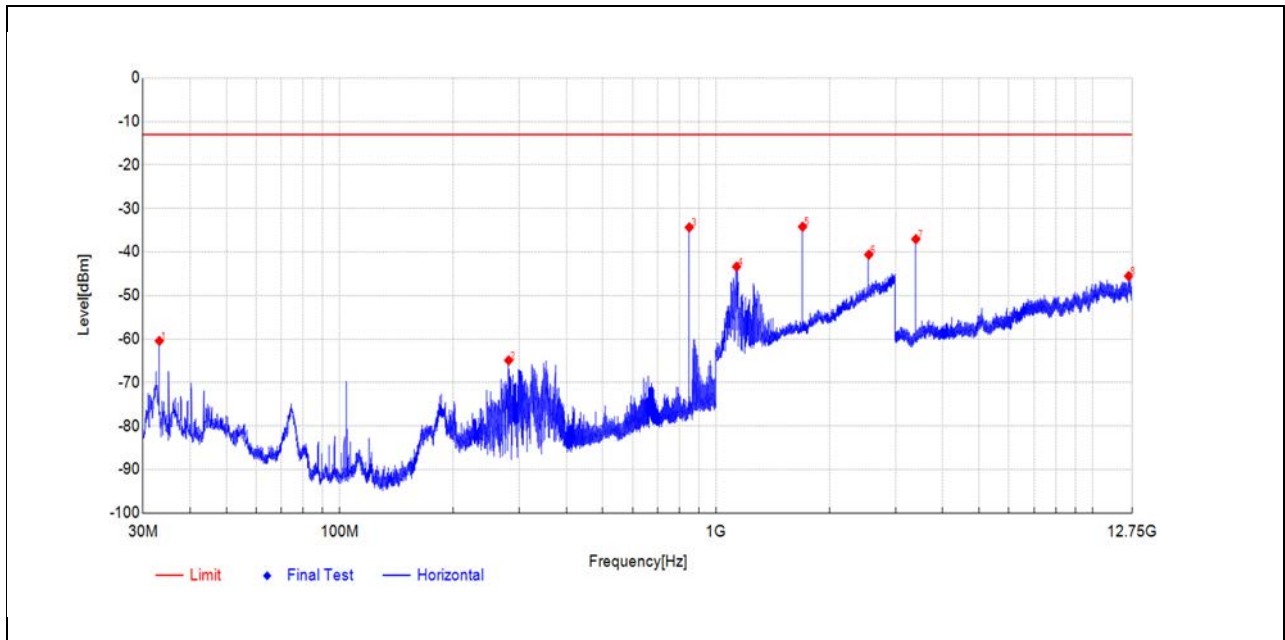


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	304.7177	-45.83	-61.73	-15.9	-13.0	48.7	Vertical	PK	232	PASS
2	836.4983	-39.65	-45.48	-5.8	-	-	Vertical	PK	316	NA
3	881.4601	-53.62	-58.09	-4.5	-	-	Vertical	PK	360	NA
4	1120.8242	-40.90	-43.09	-2.2	-13.0	30.1	Vertical	PK	87	PASS
5	1672.1344	-39.01	-36.28	2.7	-13.0	23.3	Vertical	PK	148	PASS
6	2509.1018	-50.89	-41.04	9.9	-13.0	28.0	Vertical	PK	355	PASS
7	3345.6548	-37.47	-37.97	-0.5	-13.0	25.0	Vertical	PK	275	PASS
8	11077.7914	-67.05	-44.73	22.3	-13.0	31.7	Vertical	PK	275	PASS

GSM850 Mid V



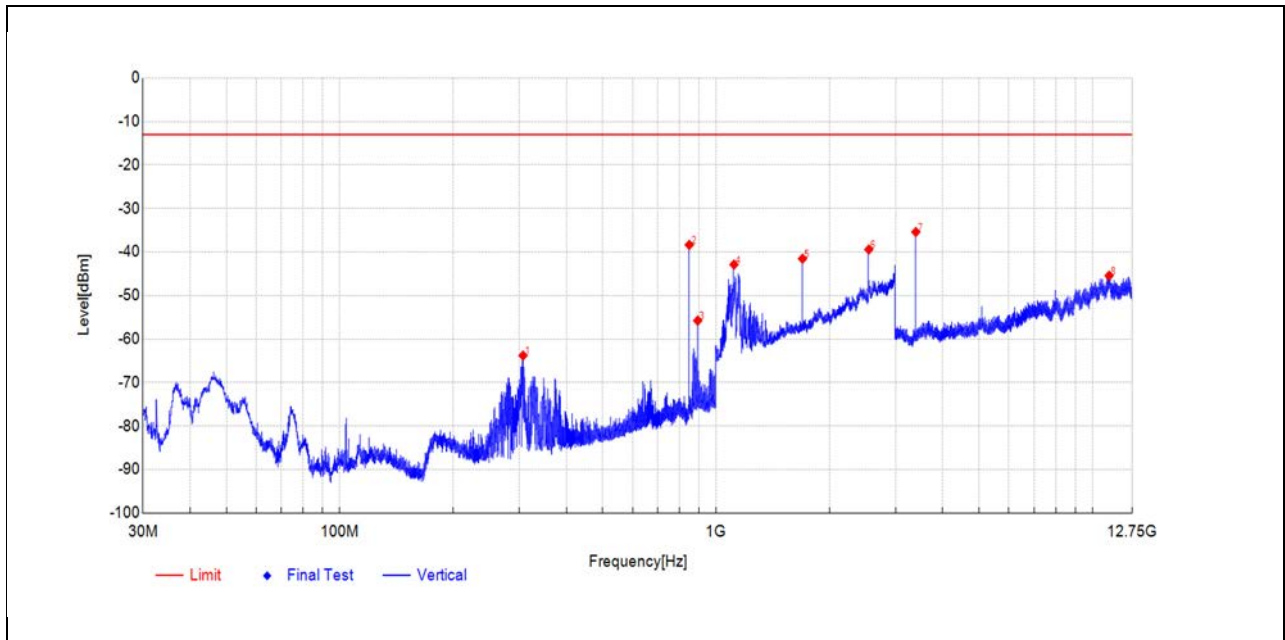


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	33.1527	-45.24	-60.43	-15.2	-13.0	47.4	Horizontal	PK	290	PASS
2	281.0486	-46.57	-64.91	-18.3	-13.0	51.9	Horizontal	PK	247	PASS
3	848.8664	-29.14	-34.33	-5.2	-	-	Horizontal	PK	80	NA
4	1133.6267	-41.06	-43.35	-2.3	-13.0	30.4	Horizontal	PK	358	PASS
5	1697.7395	-37.10	-34.17	2.9	-13.0	21.2	Horizontal	PK	171	PASS
6	2546.3093	-51.62	-40.60	11.0	-13.0	27.6	Horizontal	PK	316	PASS
7	3395.3823	-37.16	-37.03	0.1	-13.0	24.0	Horizontal	PK	355	PASS
8	12482.8366	-68.56	-45.53	23.0	-13.0	32.5	Horizontal	PK	312	PASS

GPRS850 High H



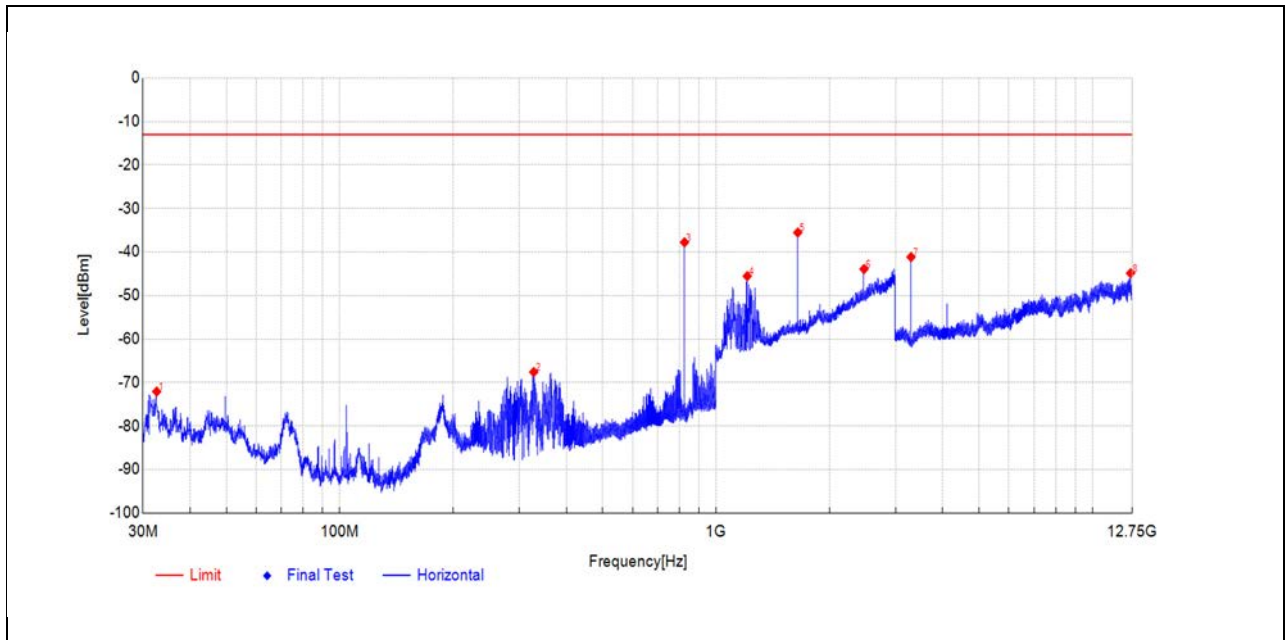


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	306.9488	-47.92	-63.79	-15.9	-13.0	50.8	Vertical	PK	161	PASS
2	848.7209	-32.82	-38.35	-5.5	-	-	Vertical	PK	38	NA
3	893.7312	-51.32	-55.75	-4.4	-	-	Vertical	PK	98	NA
4	1115.6231	-40.69	-42.88	-2.2	-13.0	29.9	Vertical	PK	130	PASS
5	1697.7395	-44.62	-41.52	3.1	-13.0	28.5	Vertical	PK	25	PASS
6	2546.3093	-50.86	-39.41	11.5	-13.0	26.4	Vertical	PK	317	PASS
7	3394.8947	-35.63	-35.38	0.3	-13.0	22.4	Vertical	PK	248	PASS
8	11075.3538	-67.75	-45.44	22.3	-13.0	32.4	Vertical	PK	270	PASS

GPRS850 High V



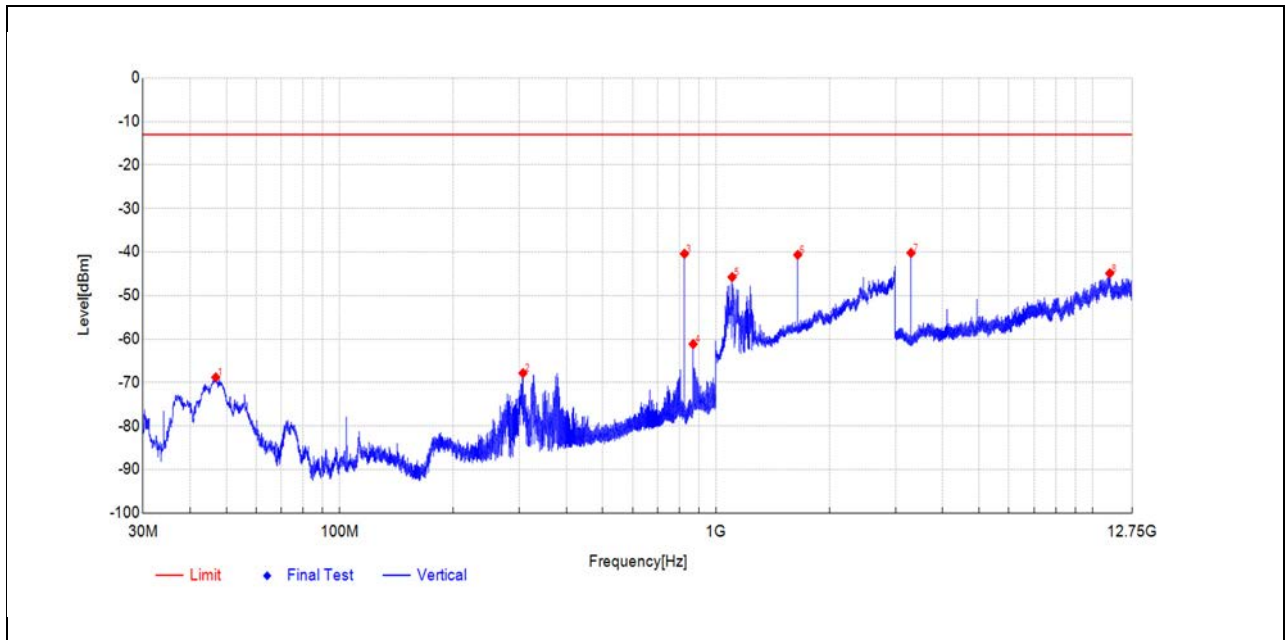


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	32.6191	-56.88	-72.06	-15.2	-13.0	59.1	Horizontal	PK	35	PASS
2	327.6109	-50.79	-67.58	-16.8	-13.0	54.6	Horizontal	PK	204	PASS
3	824.2272	-31.95	-37.75	-5.8	-	-	Horizontal	PK	76	NA
4	1210.042	-43.55	-45.54	-2.0	-13.0	32.5	Horizontal	PK	130	PASS
5	1648.5297	-38.16	-35.52	2.6	-13.0	22.5	Horizontal	PK	151	PASS
6	2472.6945	-54.25	-43.91	10.3	-13.0	30.9	Horizontal	PK	358	PASS
7	3296.9023	-39.86	-41.14	-1.3	-13.0	28.1	Horizontal	PK	226	PASS
8	12629.094	-67.83	-44.86	23.0	-13.0	31.9	Horizontal	PK	0	PASS

GPRS850 Low H



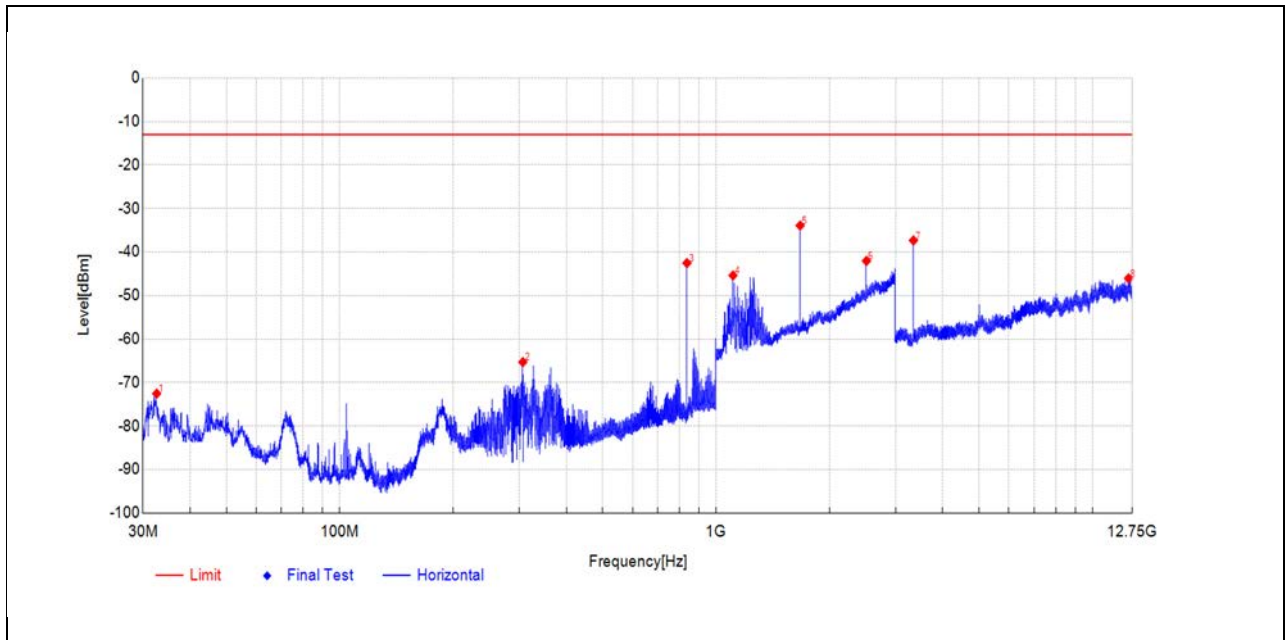


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	46.8303	-49.26	-68.81	-19.6	-13.0	55.8	Vertical	PK	355	PASS
2	306.8033	-51.97	-67.85	-15.9	-13.0	54.9	Vertical	PK	207	PASS
3	824.1302	-34.51	-40.40	-5.9	-	-	Vertical	PK	102	NA
4	869.2375	-56.28	-61.15	-4.9	-	-	Vertical	PK	39	NA
5	1103.2206	-43.64	-45.76	-2.1	-13.0	32.8	Vertical	PK	151	PASS
6	1648.1296	-43.11	-40.63	2.5	-13.0	27.6	Vertical	PK	68	PASS
7	3296.9023	-39.03	-40.20	-1.2	-13.0	27.2	Vertical	PK	250	PASS
8	11123.6187	-66.99	-44.91	22.1	-13.0	31.9	Vertical	PK	207	PASS

GPRS850 Low V



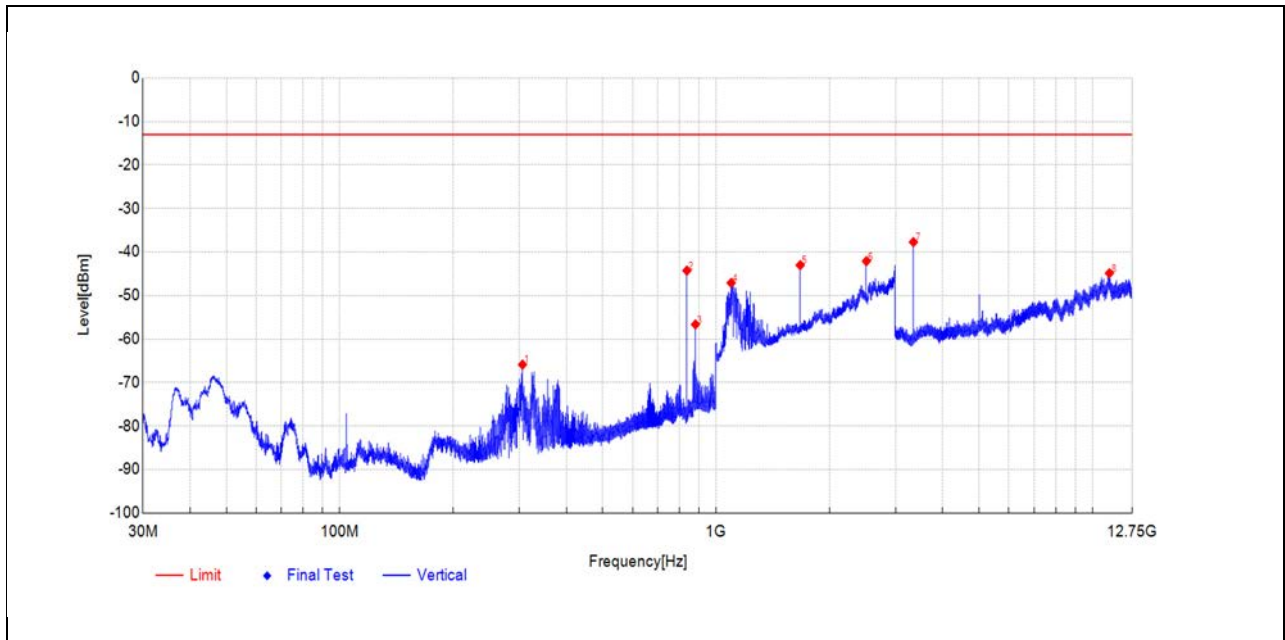


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	32.6191	-57.36	-72.54	-15.2	-13.0	59.5	Horizontal	PK	251	PASS
2	306.5608	-46.98	-65.29	-18.3	-13.0	52.3	Horizontal	PK	39	PASS
3	836.4498	-37.01	-42.54	-5.5	-	-	Horizontal	PK	208	NA
4	1109.2218	-42.95	-45.37	-2.4	-13.0	32.4	Horizontal	PK	109	PASS
5	1672.5345	-36.41	-33.91	2.5	-13.0	20.9	Horizontal	PK	151	PASS
6	2509.5019	-52.11	-42.04	10.1	-13.0	29.0	Horizontal	PK	151	PASS
7	3345.6548	-36.71	-37.33	-0.6	-13.0	24.3	Horizontal	PK	314	PASS
8	12481.3741	-69.05	-46.05	23.0	-13.0	33.1	Horizontal	PK	18	PASS

GPRS850 Mid H



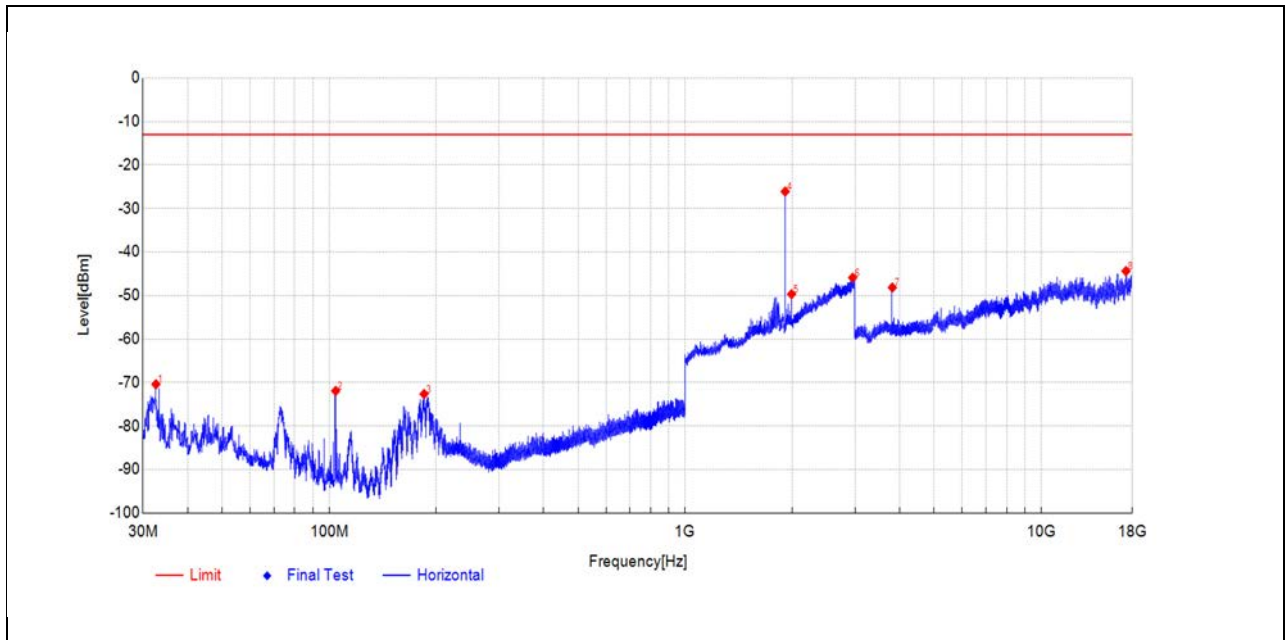


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	305.9303	-49.98	-65.87	-15.9	-13.0	52.9	Vertical	PK	228	PASS
2	836.3528	-38.44	-44.27	-5.8	-	-	Vertical	PK	36	NA
3	881.3631	-52.17	-56.64	-4.5	-	-	Vertical	PK	36	NA
4	1096.8194	-45.14	-47.08	-1.9	-13.0	34.1	Vertical	PK	233	PASS
5	1672.9346	-45.76	-43.01	2.8	-13.0	30.0	Vertical	PK	233	PASS
6	2509.1018	-51.93	-42.08	9.9	-13.0	29.1	Vertical	PK	316	PASS
7	3345.6548	-37.20	-37.70	-0.5	-13.0	24.7	Vertical	PK	269	PASS
8	11097.2924	-67.27	-44.87	22.4	-13.0	31.9	Vertical	PK	121	PASS

GPRS850 Mid V



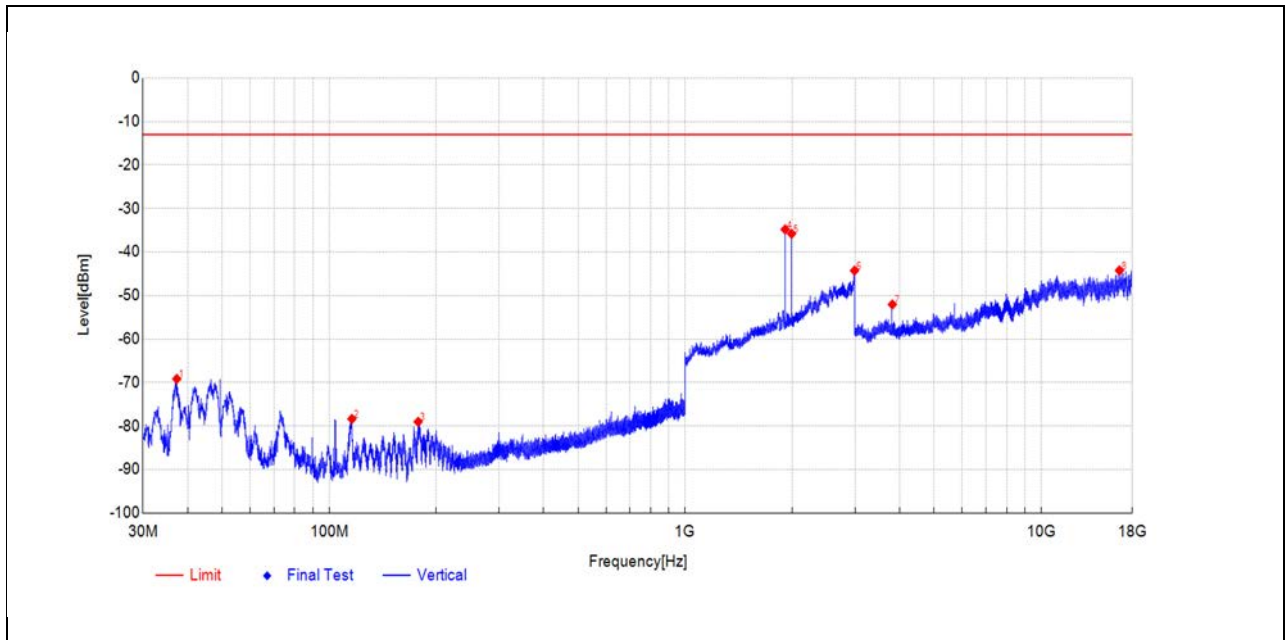


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	32.6191	-55.18	-70.39	-15.2	-13.0	57.4	Horizontal	PK	173	PASS
2	104.3057	-49.20	-71.92	-22.7	-13.0	58.9	Horizontal	PK	253	PASS
3	184.7227	-52.15	-72.63	-20.5	-13.0	59.6	Horizontal	PK	45	PASS
4	1909.782	-30.31	-26.08	4.2	-	-	Horizontal	PK	124	NA
5	1989.798	-54.00	-49.68	4.3	-	-	Horizontal	PK	38	NA
6	2953.9908	-59.63	-45.88	13.8	-13.0	32.9	Horizontal	PK	0	PASS
7	3819.117	-49.03	-48.15	0.9	-13.0	35.2	Horizontal	PK	108	PASS
8	17302.5321	-68.41	-44.38	24.0	-13.0	31.4	Horizontal	PK	166	PASS

GSM1900 High H



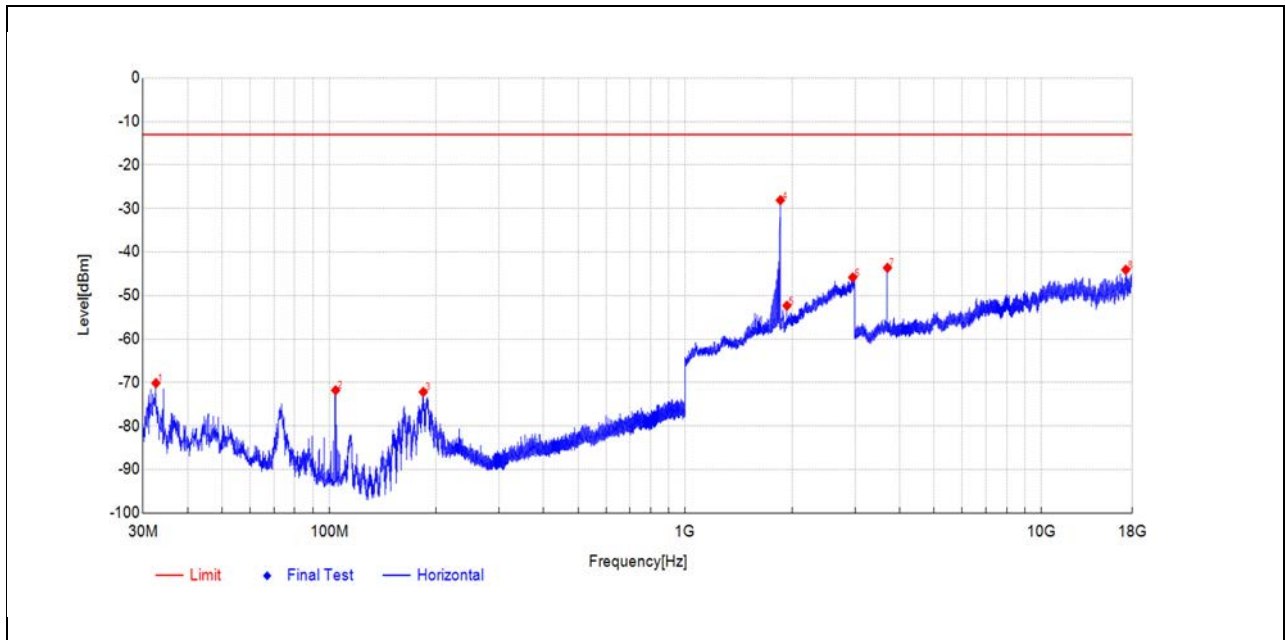


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	37.3239	-46.38	-69.16	-22.8	-13.0	56.2	Vertical	PK	5	PASS
2	115.8008	-58.17	-78.36	-20.2	-13.0	65.4	Vertical	PK	67	PASS
3	177.8354	-56.26	-79.02	-22.8	-13.0	66.0	Vertical	PK	5	PASS
4	1909.782	-39.64	-34.79	4.9	-	-	Vertical	PK	0	NA
5	1989.798	-40.20	-35.80	4.4	-	-	Vertical	PK	0	NA
6	2989.998	-59.32	-44.27	15.1	-13.0	31.3	Vertical	PK	78	PASS
7	3819.5456	-52.75	-52.05	0.7	-13.0	39.1	Vertical	PK	67	PASS
8	16585.8634	-69.95	-44.24	25.7	-13.0	31.2	Vertical	PK	185	PASS

GSM1900 High V



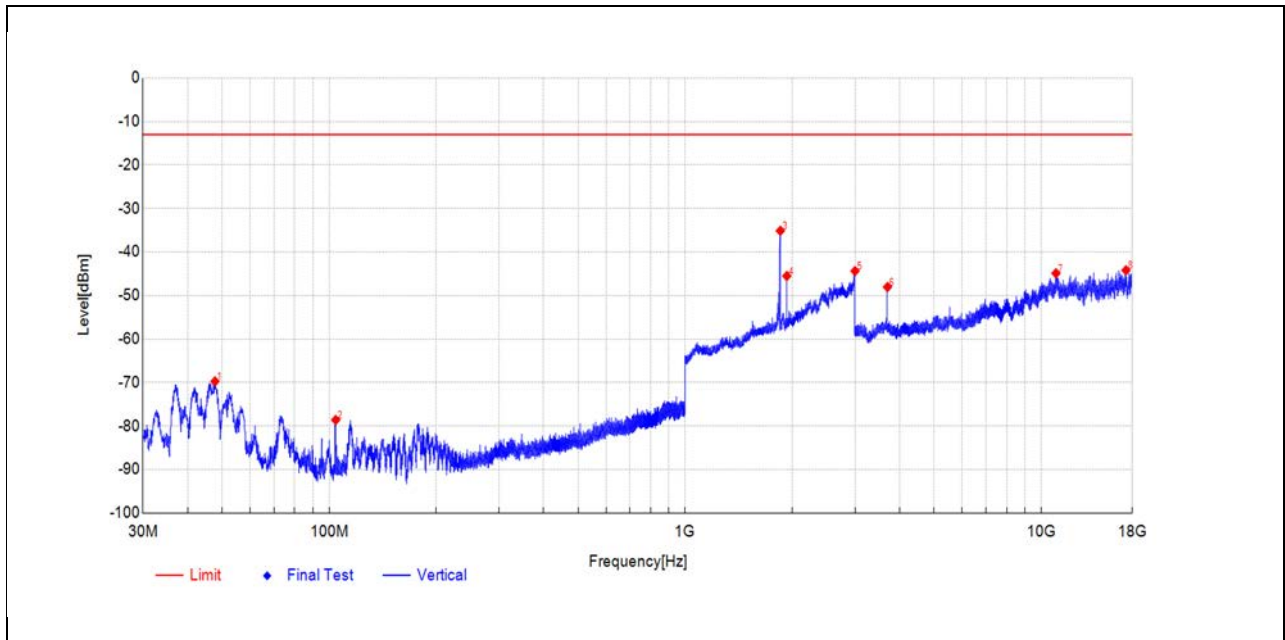


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	32.6191	-54.92	-70.13	-15.2	-13.0	57.1	Horizontal	PK	153	PASS
2	104.2572	-49.05	-71.77	-22.7	-13.0	58.8	Horizontal	PK	5	PASS
3	183.7527	-51.54	-72.18	-20.6	-13.0	59.2	Horizontal	PK	47	PASS
4	1850.5701	-32.37	-28.08	4.3	-	-	Horizontal	PK	120	NA
5	1930.186	-56.24	-52.33	3.9	-	-	Horizontal	PK	56	NA
6	2955.9912	-59.62	-45.83	13.8	-13.0	32.8	Horizontal	PK	227	PASS
7	3700.3858	-45.40	-43.62	1.8	-13.0	30.6	Horizontal	PK	196	PASS
8	17284.7714	-67.93	-44.08	23.9	-13.0	31.1	Horizontal	PK	142	PASS

GSM1900 Low H



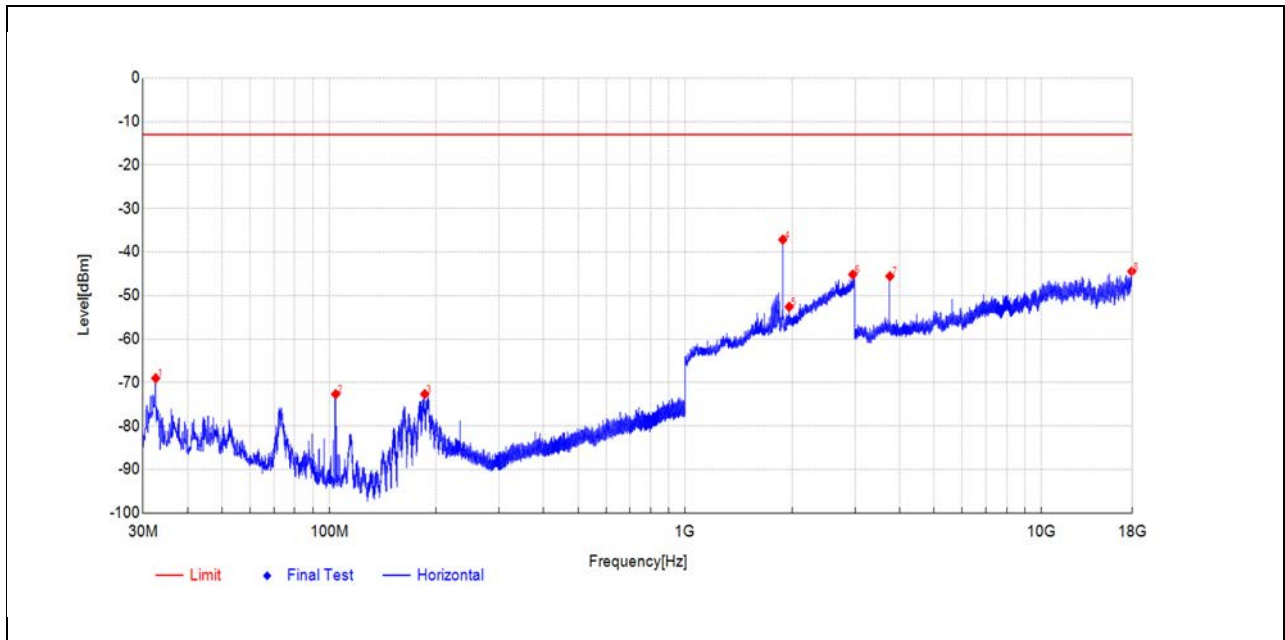


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	47.8004	-50.42	-69.73	-19.3	-13.0	56.7	Vertical	PK	25	PASS
2	104.3057	-57.55	-78.59	-21.0	-13.0	65.6	Vertical	PK	192	PASS
3	1850.17	-39.43	-35.11	4.3	-	-	Vertical	PK	312	NA
4	1929.786	-49.38	-45.51	3.9	-	-	Vertical	PK	0	NA
5	2999.1998	-60.53	-44.36	16.2	-13.0	31.4	Vertical	PK	80	PASS
6	3700.3858	-49.80	-48.03	1.8	-13.0	35.0	Vertical	PK	360	PASS
7	10999.4	-66.52	-44.87	21.7	-13.0	31.9	Vertical	PK	355	PASS
8	17300.132	-68.77	-44.19	24.6	-13.0	31.2	Vertical	PK	0	PASS

GSM1900 Low V



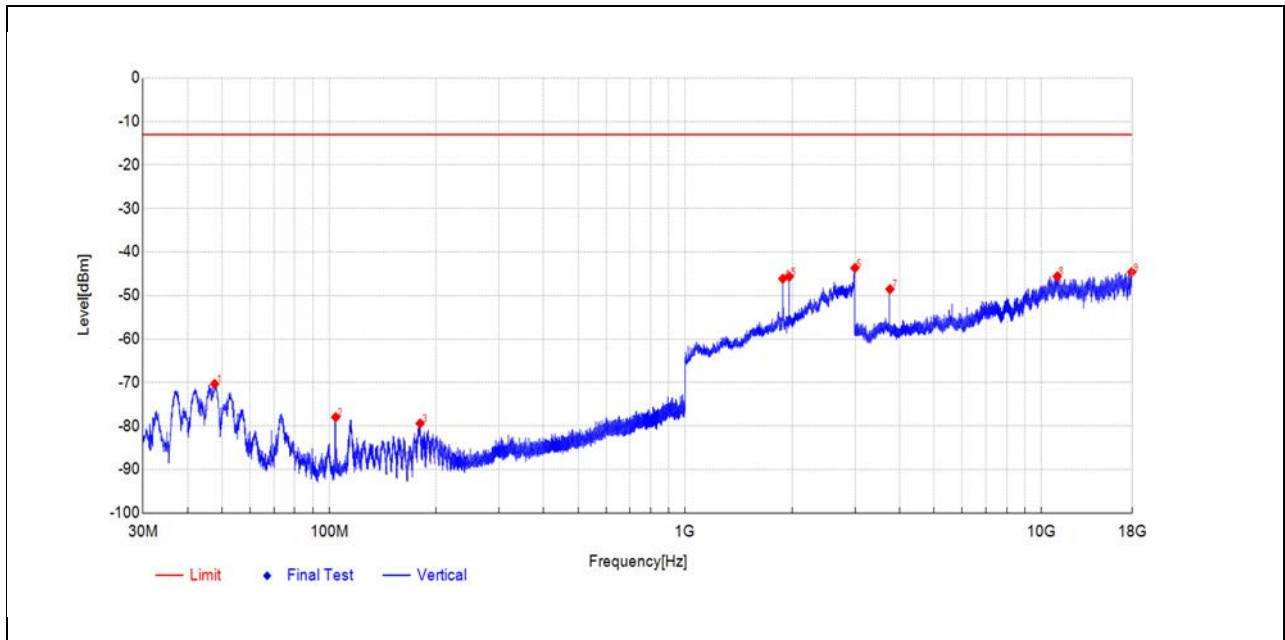


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	32.5706	-53.79	-69.00	-15.2	-13.0	56.0	Horizontal	PK	90	PASS
2	104.3057	-49.94	-72.66	-22.7	-13.0	59.7	Horizontal	PK	130	PASS
3	185.4988	-52.30	-72.64	-20.3	-13.0	59.6	Horizontal	PK	47	PASS
4	1879.776	-42.42	-37.14	5.3	-	-	Horizontal	PK	142	NA
5	1959.792	-57.09	-52.59	4.5	-	-	Horizontal	PK	142	NA
6	2957.1914	-58.95	-45.17	13.8	-13.0	32.2	Horizontal	PK	269	PASS
7	3759.9657	-46.73	-45.55	1.2	-13.0	32.6	Horizontal	PK	90	PASS
8	17961.5985	-68.52	-44.45	24.1	-13.0	31.5	Horizontal	PK	291	PASS

GSM1900 Mid H



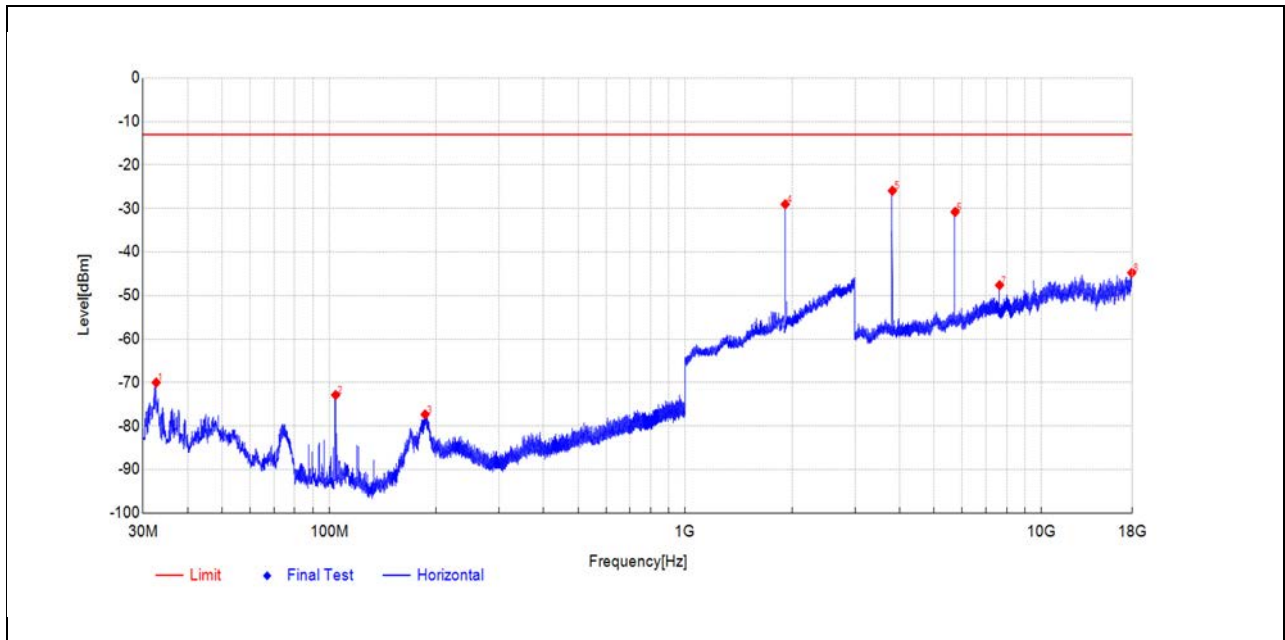


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	47.7034	-50.97	-70.31	-19.3	-13.0	57.3	Vertical	PK	5	PASS
2	104.3057	-56.92	-77.96	-21.0	-13.0	65.0	Vertical	PK	252	PASS
3	180.0665	-56.70	-79.42	-22.7	-13.0	66.4	Vertical	PK	130	PASS
4	1879.776	-51.22	-46.12	5.1	-	-	Vertical	PK	207	NA
5	1960.192	-49.87	-45.66	4.2	-	-	Vertical	PK	355	NA
6	2996.3993	-59.52	-43.68	15.8	-13.0	30.7	Vertical	PK	249	PASS
7	3759.9657	-49.61	-48.53	1.1	-13.0	35.5	Vertical	PK	47	PASS
8	11088.2035	-67.51	-45.59	21.9	-13.0	32.6	Vertical	PK	313	PASS
9	17948.6379	-68.93	-44.62	24.3	-13.0	31.6	Vertical	PK	79	PASS

GSM1900 Mid V



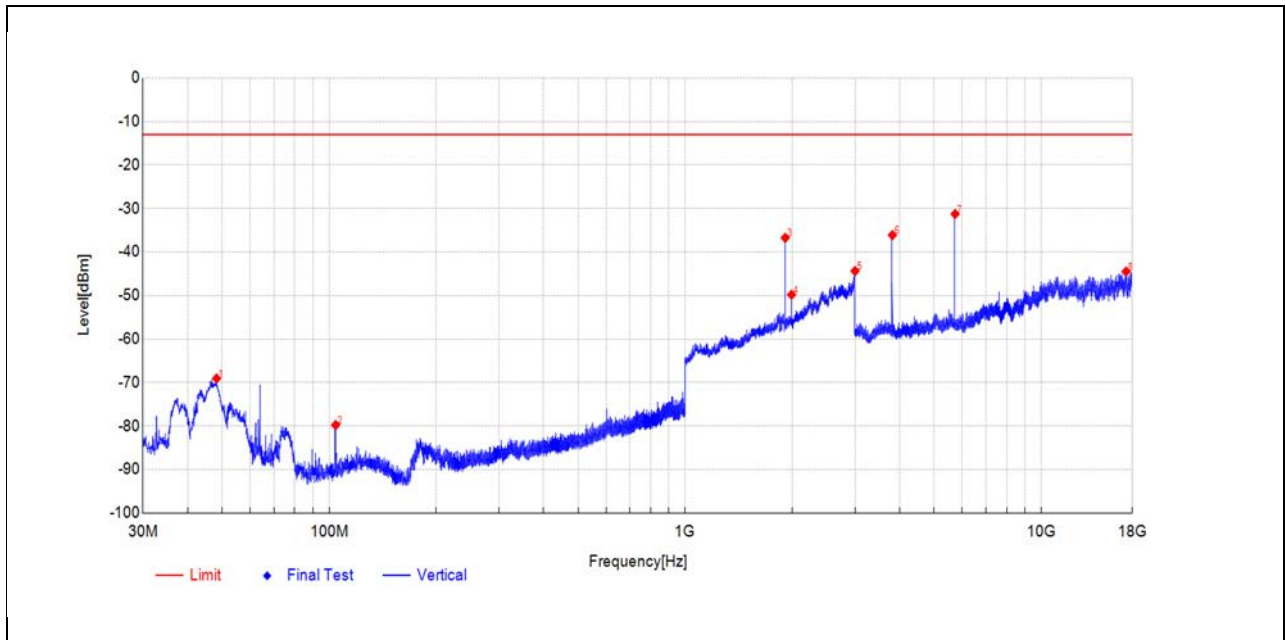


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	32.6676	-54.79	-70.00	-15.2	-13.0	57.0	Horizontal	PK	355	PASS
2	104.2572	-50.15	-72.87	-22.7	-13.0	59.9	Horizontal	PK	355	PASS
3	185.9838	-57.08	-77.34	-20.3	-13.0	64.3	Horizontal	PK	355	PASS
4	1909.782	-33.25	-29.02	4.2	-	-	Horizontal	PK	360	NA
5	3819.117	-26.77	-25.89	0.9	-13.0	12.9	Horizontal	PK	90	PASS
6	5729.1042	-38.21	-30.78	7.4	-13.0	17.8	Horizontal	PK	90	PASS
7	7638.7856	-59.57	-47.61	12.0	-13.0	34.6	Horizontal	PK	109	PASS
8	17961.5985	-68.84	-44.77	24.1	-13.0	31.8	Horizontal	PK	151	PASS

GPRS1900 High H



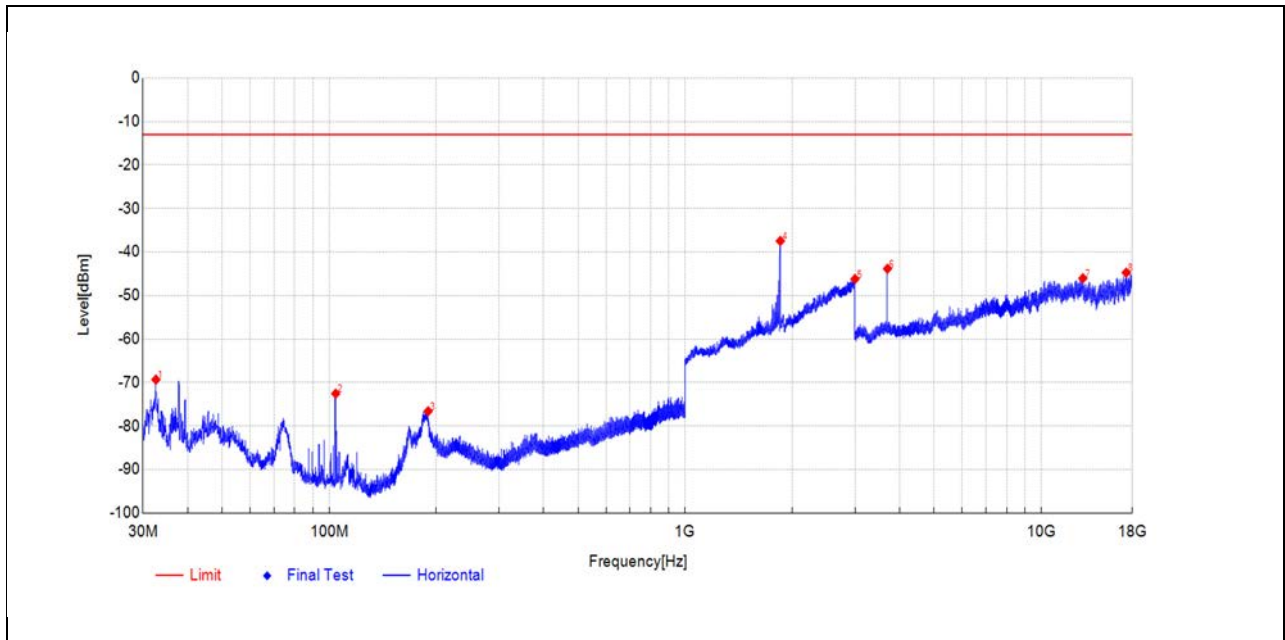


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	48.2854	-49.91	-69.06	-19.2	-13.0	56.1	Vertical	PK	355	PASS
2	104.2572	-58.71	-79.76	-21.1	-13.0	66.8	Vertical	PK	272	PASS
3	1909.782	-41.57	-36.72	4.9	-	-	Vertical	PK	5	NA
4	1989.798	-54.20	-49.80	4.4	-	-	Vertical	PK	359	NA
5	3000	-60.63	-44.36	16.3	-13.0	31.4	Vertical	PK	256	PASS
6	3819.5456	-36.81	-36.11	0.7	-13.0	23.1	Vertical	PK	172	PASS
7	5729.5328	-37.80	-31.25	6.6	-13.0	18.3	Vertical	PK	252	PASS
8	17312.6125	-69.11	-44.49	24.6	-13.0	31.5	Vertical	PK	67	PASS

GPRS1900 High V



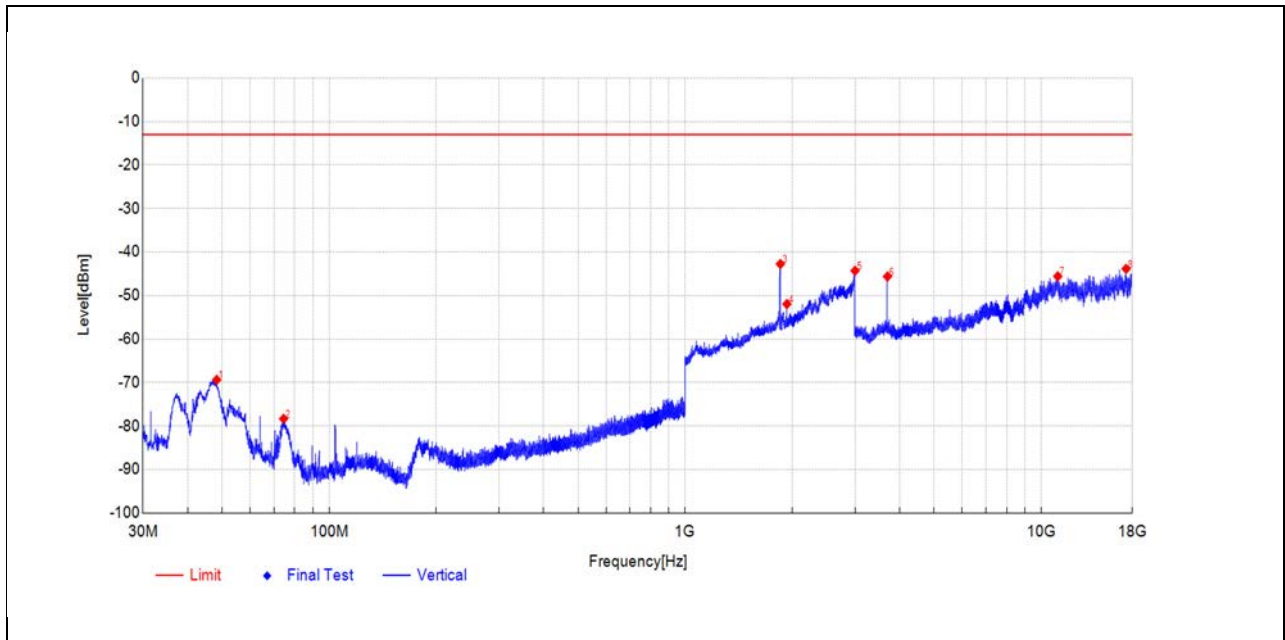


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	32.6191	-54.11	-69.32	-15.2	-13.0	56.3	Horizontal	PK	313	PASS
2	104.3057	-49.83	-72.55	-22.7	-13.0	59.6	Horizontal	PK	355	PASS
3	189.67	-56.98	-76.59	-19.6	-13.0	63.6	Horizontal	PK	22	PASS
4	1850.17	-41.73	-37.45	4.3	-	-	Horizontal	PK	360	NA
5	2998.3997	-60.20	-46.20	14.0	-13.0	33.2	Horizontal	PK	69	PASS
6	3700.3858	-45.61	-43.83	1.8	-13.0	30.8	Horizontal	PK	355	PASS
7	13095.6438	-70.14	-46.02	24.1	-13.0	33.0	Horizontal	PK	5	PASS
8	17330.8532	-68.99	-44.73	24.3	-13.0	31.7	Horizontal	PK	346	PASS

GPRS1900 Low H



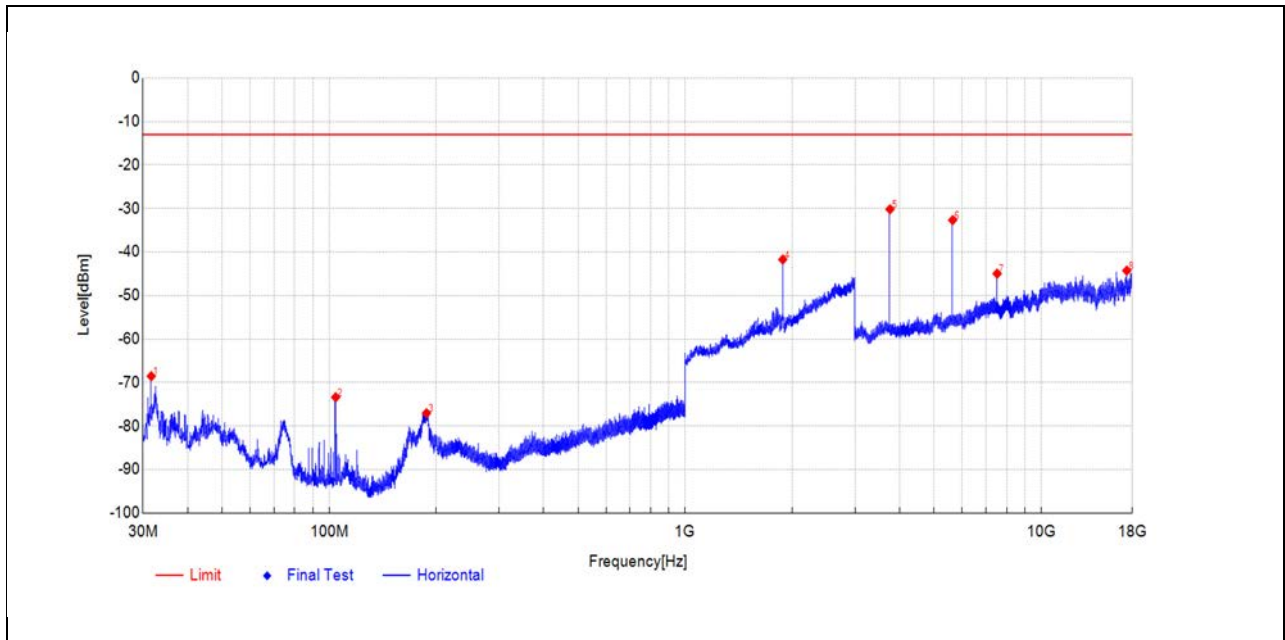


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	48.3339	-50.24	-69.37	-19.1	-13.0	56.4	Vertical	PK	39	PASS
2	74.4767	-56.46	-78.34	-21.9	-13.0	65.3	Vertical	PK	0	PASS
3	1850.17	-47.06	-42.74	4.3	-	-	Vertical	PK	26	NA
4	1930.186	-55.81	-51.95	3.9	-	-	Vertical	PK	360	NA
5	2999.5999	-60.52	-44.29	16.2	-13.0	31.3	Vertical	PK	360	PASS
6	3700.3858	-47.39	-45.62	1.8	-13.0	32.6	Vertical	PK	355	PASS
7	11129.4852	-67.37	-45.58	21.8	-13.0	32.6	Vertical	PK	197	PASS
8	17316.4527	-68.48	-43.85	24.6	-13.0	30.9	Vertical	PK	197	PASS

GPRS1900 Low V



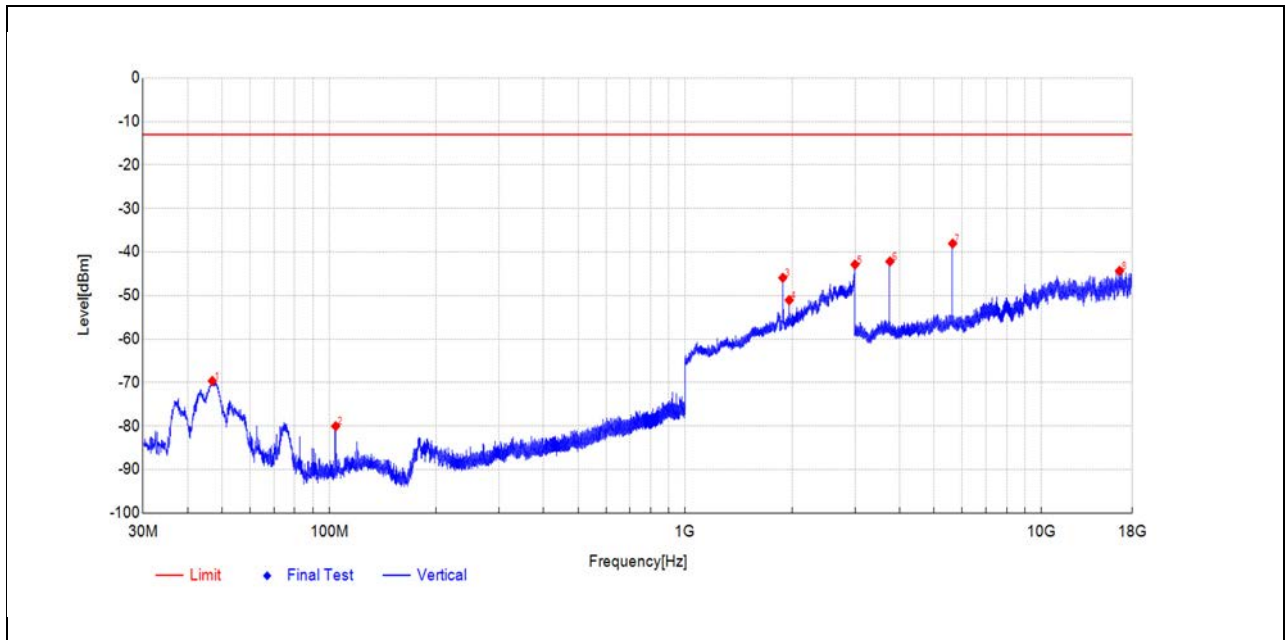


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	31.6491	-53.33	-68.53	-15.2	-13.0	55.5	Horizontal	PK	210	PASS
2	104.3057	-50.65	-73.37	-22.7	-13.0	60.4	Horizontal	PK	252	PASS
3	187.6329	-57.08	-77.05	-20.0	-13.0	64.1	Horizontal	PK	355	PASS
4	1879.776	-46.99	-41.71	5.3	-	-	Horizontal	PK	131	NA
5	3760.3943	-31.33	-30.16	1.2	-13.0	17.2	Horizontal	PK	89	PASS
6	5639.5199	-39.75	-32.66	7.1	-13.0	19.7	Horizontal	PK	29	PASS
7	7520.2208	-57.18	-44.97	12.2	-13.0	32.0	Horizontal	PK	110	PASS
8	17389.4156	-68.98	-44.26	24.7	-13.0	31.3	Horizontal	PK	360	PASS

GPRS1900 Mid H





Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	46.9758	-50.04	-69.63	-19.6	-13.0	56.6	Vertical	PK	62	PASS
2	104.3057	-58.99	-80.03	-21.0	-13.0	67.0	Vertical	PK	291	PASS
3	1880.176	-51.02	-45.91	5.1	-	-	Vertical	PK	5	NA
4	1959.792	-55.24	-51.05	4.2	-	-	Vertical	PK	5	NA
5	2998.3997	-58.93	-42.86	16.1	-13.0	29.9	Vertical	PK	26	PASS
6	3759.9657	-43.24	-42.16	1.1	-13.0	29.2	Vertical	PK	313	PASS
7	5640.3772	-44.74	-38.04	6.7	-13.0	25.0	Vertical	PK	229	PASS
8	16593.5437	-70.18	-44.34	25.8	-13.0	31.3	Vertical	PK	110	PASS

GPRS1900 Mid V



Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

Test Items	Uncertainty
Output Power	$\pm 2.22\text{dB}$
Bandwidth	$\pm 5\%$
Conducted Spurious Emission	$\pm 2.77\text{dB}$
Radiated Emission	$\pm 2.95\text{dB}$

This uncertainty represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Annex B Testing Laboratory Information



**1. Identification of the Responsible Testing Laboratory**

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.





4. Test Equipment Utilized

4.1 Conducted Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
EXA Signal Analyzer	MY51511149	N9020A	Agilent	2025.09.02	2026.09.01
Communication Test Station	6200995016	MT8820C	Anritsu	2025.05.15	2026.05.14
Temperature Chamber	S022177101 00089002	KMT-36LF 1A0	KOMEG	2025.09.03	2026.09.02

4.2 List of Software Used

Description	Manufacturer	Software Version
JS36-RSE	Tonscend	5.0.0

4.3 Radiated Test Equipment

Equipment	Type	Serial No.	Manufacturer	Cal. Date	Due Date
Loop Antenna	FMZB 1519B	00131	SCHWARZBECK	2025/9/8	2026/9/7
Bi-Log Antenna	VULB 9163	9163-274	SCHWARZBECK	2025/6/28	2026/6/27
Horn Antenna	BBHA 9120D	9120D-963	SCHWARZBECK	2025/5/16	2026/5/15
Horn Antenna	BBHA9170	BBHA9170#7 73	SCHWARZBECK	2025/6/20	2026/6/19
Receiver	N9038A	MY56400093	KEYSIGHT	2025/12/26	2026/12/25
Signal Analyzer	N9020A	MY56060145	Agilent	2025/5/13	2026/5/12
6db Attenuator	BW-N6W5+	E191001	Mini-circuits	2025/9/3	2026/9/2
Preamplifier (2GHz-18GHz)	S020180L32 03	61171/61172	LUCIX CORP.	2025/5/13	2026/5/12
Preamplifier (10MHz-6GHz)	S10M100L38 02	46732	LUCIX CORP.	2025/5/13	2026/5/12
Preamplifier (18GHz-40GHz)	DCLNA0118- 40C-S	DS77209	Decentest	2025/5/13	2026/5/12
System Simulator	CMW500	152038	R&S	2025/9/3	2026/9/2
System Simulator	8960-E5515 C	MY48364176	Agilent	2025/12/23	2026/12/22
RF Coaxial Cable	NA	24111402-00	TIMES	2025/9/3	2026/9/2





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		1+24111402-001	Microwave		
RF Coaxial Cable	NA	24111402-001	TIMES Microwave	2025/9/3	2026/9/2
RF Coaxial Cable	NA	24111402-002+24111402-002	TIMES Microwave	2025/9/3	2026/9/2
RF Coaxial Cable	NA	24111402-001+24111402-002	TIMES Microwave	2025/9/3	2026/9/2
RF Coaxial Cable	NA	24111402-002+24111402-001	TIMES Microwave	2025/9/3	2026/9/2
RF Coaxial Cable	NA	24111402-001+24111402-001	TIMES Microwave	2025/9/3	2026/9/2
RF Coaxial Cable	NA	723692-0001	TIMES Microwave	2025/9/3	2026/9/2
RF Coaxial Cable	NA	692839-0007+24111402-001	TIMES Microwave	2025/9/3	2026/9/2





Notes

1. The report shall have report stamp or our company stamp.
2. The report shall be invalid without all the signatures of the editor and approver.
3. The report shall not be changed.
4. Any objections must be raised to Morlab within 15 days since the date when the report is received. It will not be taken into consideration beyond this limit.
5. Conformity declaration:

☒ Morlab issues a statement of conformity based on the corresponding standards (default)

☐ Morlab issues a statement of conformity based on the applicant requirement

6. Use of uncertainty of measurement for decisions on conformity (decision rule):

No decision rule is specified by the testing standard, when comparing the measurement result with the applicable limit according to the specification in that standard. The decisions on conformity are made without applying the measurement uncertainty ("simple acceptance" decision rule).

_____ END OF REPORT _____

