



REPORT No.: SZ25100429W06

TEST REPORT

APPLICANT : Rhino Mobility LLC

PRODUCT NAME : Smartphone

MODEL NAME : C65R

BRAND NAME : RHINO

FCC ID : 2AUOUC65R

STANDARD(S) : 47 CFR Part 2
47 CFR Part 22 Subpart H
47 CFR Part 24 Subpart E
47 CFR Part 27 Subpart L

RECEIPT DATE : 2025-12-19

TEST DATE : 2026-01-23 to 2026-04-27

ISSUE DATE : 2026-05-28



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Change History		
Version	Date	Reason for change
1.0	2026-05-28	First edition





1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Rhino Mobility LLC
Applicant Address:	8 The Green, Suite A, Dover, Delaware, 19901, USA
Manufacturer:	Rhino Mobility LLC
Manufacturer Address:	8 The Green, Suite A, Dover, Delaware, 19901, USA

1.2. Equipment Under Test (EUT) Description

Product Name:	Smartphone	
Sample No.:	2#, 10#	
Hardware Version:	Q6011_MB_V1.0	
Software Version:	C65(001)_20260411_16	
Modulation Type:	WCDMA Mode with QPSK Modulation HSDPA / DC-HSDPA Mode with QPSK Modulation HSUPA Mode with QPSK Modulation HSPA+ Mode with 16QAM Modulation	
Operating Frequency Range:	WCDMA Band V	Tx: 824MHz-849MHz
		Rx: 869MHz-894MHz
	WCDMA Band IV	Tx: 1710MHz-1755MHz
		Rx: 2110MHz-2155MHz
	WCDMA Band II	Tx: 1850MHz-1910MHz
		Rx: 1930MHz-1990MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	WCDMA Band V:	-6.39dBi
	WCDMA Band IV:	1.93dBi
	WCDMA Band II:	2.67dBi

Note 1: The transmitter (Tx) frequency arrangement of the WCDMA Band V used by the EUT can be represented with the formula $F(n)=826.4+0.2*(n-4132)$, $4132 \leq n \leq 4233$; the lowest, middle and highest channel numbers (ARFCHs) used and tested in this report are separately 4132 (826.4MHz), 4182(836.4MHz) and 4233 (846.6MHz).

Note 2: The transmitter (Tx) frequency arrangement of the WCDMA IV band used by the EUT can be represented with the formula $F(n)=1712.4+0.2*(n-1312)$, $1312 \leq n \leq 1513$; the lowest, middle





and highest channel numbers (ARFCHs) used and tested in this report are separately 1312 (1712.4MHz), 1413 (1732.6MHz) and 1513 (1752.6MHz).

Note 3: The transmitter (Tx) frequency arrangement of the WCDMA Band II used by the EUT can be represented with the formula $F(n)=1852.4+0.2*(n-9262)$, $9262 \leq n \leq 9538$; the lowest, middle and highest channel numbers (ARFCHs) used and tested in this report are separately 9262 (1852.4MHz), 9400 (1880MHz) and 9538 (1907.6MHz).

Note 4: 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:

WCDMA mode for WCDMA band V;

WCDMA mode for WCDMA band IV;

WCDMA mode for WCDMA band II;

Note 5: SIM 1 and SIM 2 is a chipset unit and tested as a single chipset. The SIM 1 is chosen for test.

Note 6: 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.

Note 7: This is a variant report of original report (Report No.: SZ25100415W6, FCC ID: 2AUOUC65). Based on the similarity between before, only changing the antenna design and battery. No other changes. The changes only affect the radiated test results in this report.

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
WCDMA Band V	0.036	4M18F9W
WCDMA Band IV	0.408	4M16F9W
WCDMA Band II	0.506	4M18F9W



1.4. Test Standards and Results

The objective of the report is to perform testing according to 47 CFR Part 2, Part 22, Part 24 and Part 27 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
4	47 CFR Part 27 (10-1-12 Edition)	Miscellaneous Wireless Communications Services

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

No.	Section	Description	Test Date	Test Engineer	Result	Remark
1	2.1046	Conducted RF Output Power	Apr. 28, 2026	Liu Huiyan ^[4]	PASS	/
2	24.232(d)	Peak -Average Ratio	Jan. 23, 2026	Liu Huiyan ^[4]	PASS	/
3	2.1049	Occupied Bandwidth	Jan. 23, 2026	Liu Huiyan ^[4]	PASS	/
4	2.1055, 22.355, 24.235, 27.54	Frequency Stability	Apr. 28, 2026	Liu Huiyan ^[4]	PASS	/
5	2.1051, 22.917(a), 24.238(a), 27.53(h)	Conducted Out of Band Emissions	Jan. 23, 2026	Liu Huiyan ^[4]	PASS	/
6	2.1051, 22.917(a), 24.238(a), 27.53(h)	Band Edge	Jan. 23, 2026	Liu Huiyan ^[4]	PASS	/
7	22.913(a), 24.232(c), 27.50(d)	Transmitter Radiated Power (E.I.P.R./E.R.P.)	Apr. 28, 2026	Liu Huiyan ^[4]	PASS	/
8	2.1051, 22.917(a), 24.238(a)	Radiated Out of Band Emissions	Apr. 15, 2026	Xiong Xianhong, Li Hanbin	PASS	/





	27.53(h)					
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. Note 4: The test results of these test items in this report refer to the test report (Report No.SZ25100415W06).						

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

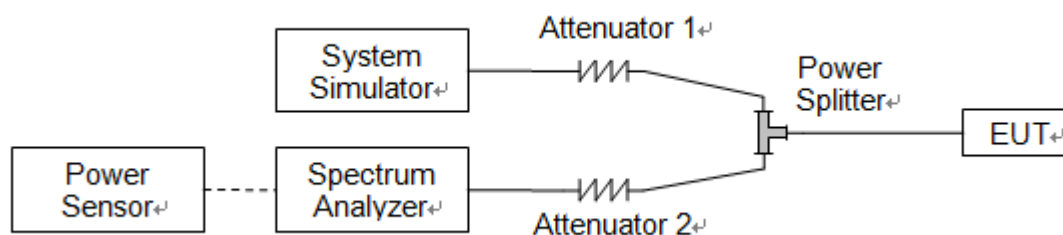
2.1. Conducted RF Output Power

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**

WCDMA Band V	Average Power (dBm)		
TX Channel	4132	4182	4233
Frequency (MHz)	826.4	836.4	846.6
RMC 12.2Kbps	15.48	15.59	15.57
HSDPA Subtest-1	14.86	14.97	14.90
HSDPA Subtest-2	14.78	15.00	14.77
HSDPA Subtest-3	14.33	14.52	14.42
HSDPA Subtest-4	14.34	14.54	14.53
DC-HSDPA Subtest-1	14.95	15.02	14.92
DC-HSDPA Subtest-2	14.90	15.01	14.88
DC-HSDPA Subtest-3	14.47	14.41	14.38
DC-HSDPA Subtest-4	14.43	14.47	14.37
HSUPA Subtest-1	14.88	14.99	14.87
HSUPA Subtest-2	14.39	14.48	14.40
HSUPA Subtest-3	14.86	14.99	14.95
HSUPA Subtest-4	14.89	14.89	14.87
HSUPA Subtest-5	14.86	14.99	14.84
HSPA+ (16QAM) Subtest-1	14.80	14.98	14.90





WCDMA Band IV	Average Power (dBm)		
TX Channel	1312	1413	1513
Frequency (MHz)	1712.4	1732.6	1752.6
RMC 12.2Kbps	26.08	26.11	26.00
HSDPA Subtest-1	25.25	25.29	25.26
HSDPA Subtest-2	25.29	25.35	25.27
HSDPA Subtest-3	24.82	24.87	24.79
HSDPA Subtest-4	24.85	24.89	24.81
DC-HSDPA Subtest-1	25.05	25.18	25.06
DC-HSDPA Subtest-2	25.13	25.17	25.05
DC-HSDPA Subtest-3	24.54	24.65	24.64
DC-HSDPA Subtest-4	24.60	24.64	24.43
HSUPA Subtest-1	25.16	25.28	25.19
HSUPA Subtest-2	24.61	24.84	24.68
HSUPA Subtest-3	25.12	25.35	25.14
HSUPA Subtest-4	25.16	25.15	25.13
HSUPA Subtest-5	25.09	25.32	25.23
HSPA+ (16QAM) Subtest-1	25.30	25.28	25.17

WCDMA Band II	Average Power (dBm)		
TX Channel	9262	9400	9538
Frequency (MHz)	1852.4	1880.0	1907.6
RMC 12.2Kbps	26.92	27.04	26.95
HSDPA Subtest-1	26.05	26.33	26.35
HSDPA Subtest-2	26.09	26.44	26.40
HSDPA Subtest-3	25.70	25.88	25.87
HSDPA Subtest-4	25.71	25.84	25.88
DC-HSDPA Subtest-1	26.12	26.08	26.13
DC-HSDPA Subtest-2	26.00	26.19	26.15
DC-HSDPA Subtest-3	25.45	25.60	25.66
DC-HSDPA Subtest-4	25.43	25.56	25.62
HSUPA Subtest-1	25.89	26.03	26.04
HSUPA Subtest-2	25.57	25.56	25.64
HSUPA Subtest-3	25.97	26.12	26.13
HSUPA Subtest-4	25.93	25.96	26.11
HSUPA Subtest-5	25.96	26.02	26.15
HSPA+ (16QAM) Subtest-1	26.12	26.27	26.19



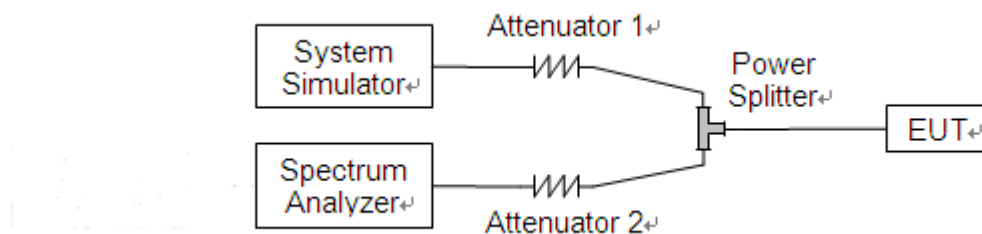
2.2. Peak to Average Ratio

2.2.1. Requirement

According to FCC 24.232(d) and 27.50(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/EDGE 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**

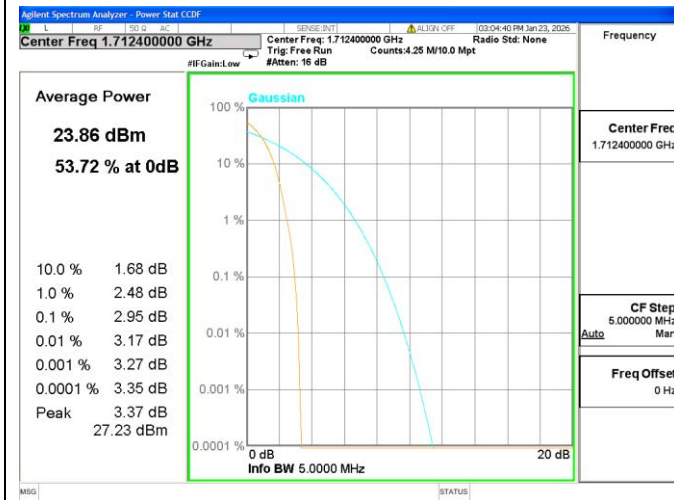
WCDMA Band IV					
Mode	Channel	Frequency (MHz)	Peak to Average ratio (dB)	Limit (dB)	Verdict
WCDMA	1312	1712.4	2.95	13	PASS
	1413	1732.6	2.91		PASS
	1513	1752.6	2.89		PASS

WCDMA Band II					
Mode	Channel	Frequency (MHz)	Peak to Average ratio (dB)	Limit (dB)	Verdict
WCDMA	9262	1852.4	2.83	13	PASS
	9400	1880.0	2.74		PASS
	9538	1907.6	2.65		PASS

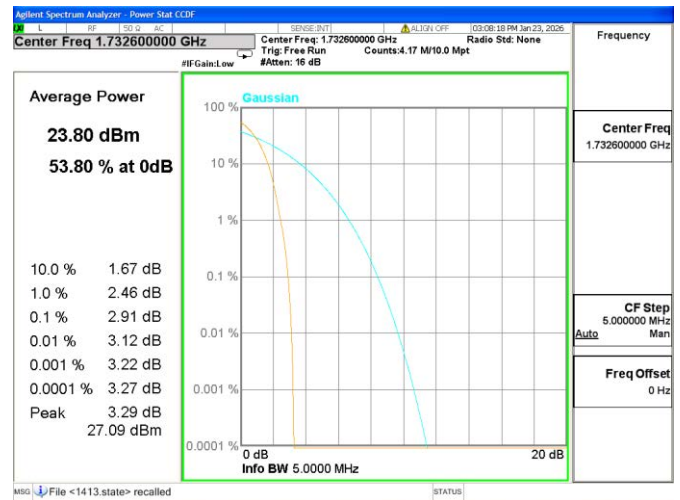




WCDMA Band IV, CH1312, 1712.4MHz



WCDMA Band IV, CH1413, 1732.6MHz

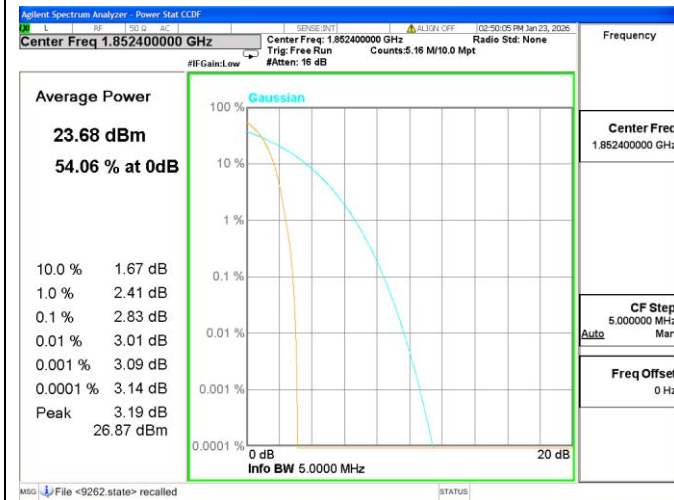


WCDMA Band IV, CH1513, 1752.6MHz

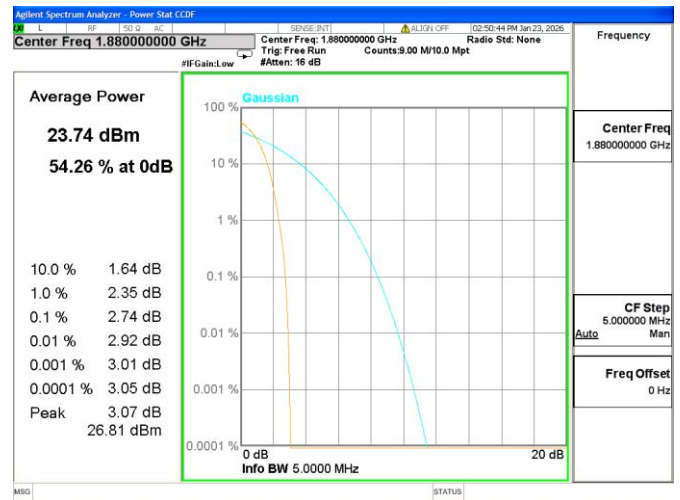




WCDMA Band II, CH9262, 1852.4MHz



WCDMA Band II, CH9400, 1880.0MHz



WCDMA Band II, CH9538, 1907.6MHz



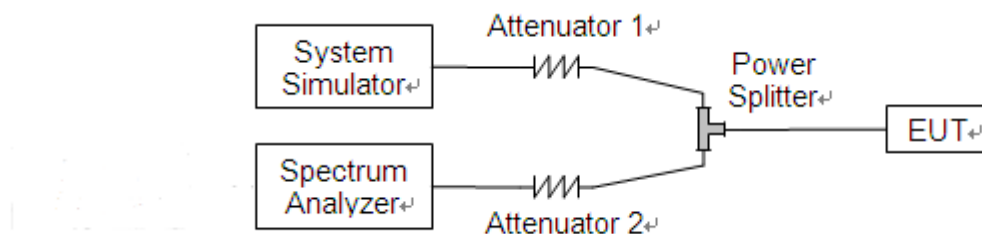
2.3. Occupied Bandwidth

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.



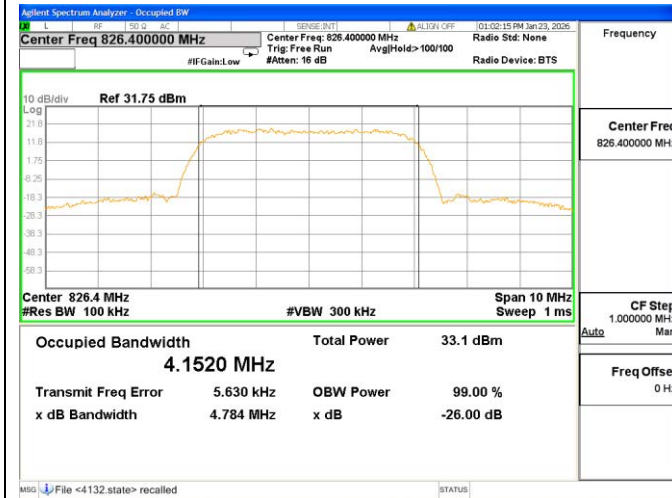
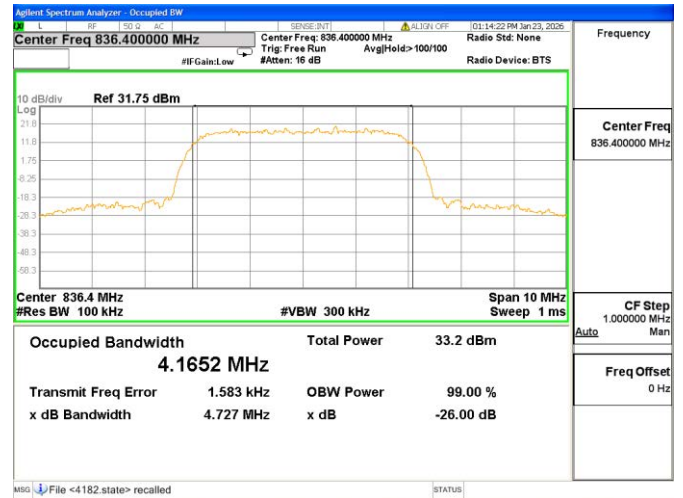
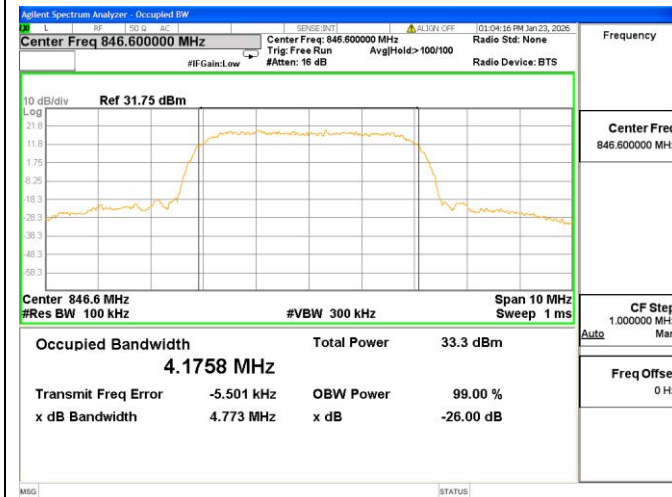
2.3.3.Test Result

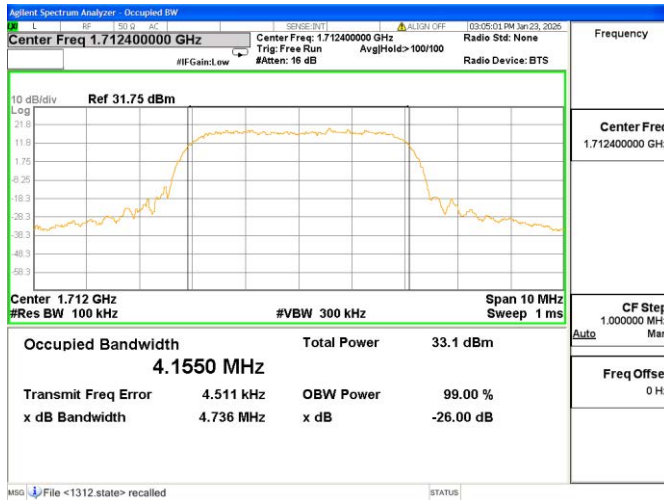
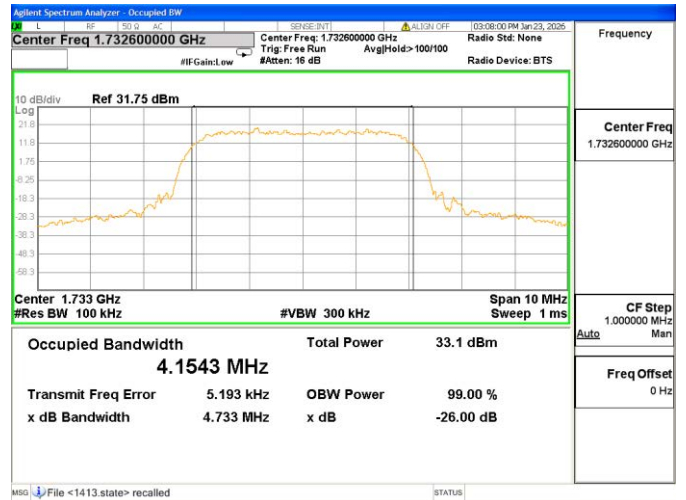
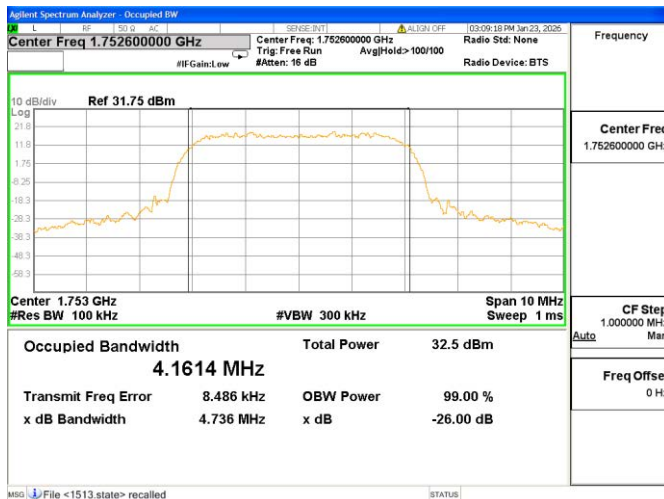
WCDMA Band V				
Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
WCDMA	4132	826.4	4.15	4.78
	4182	836.4	4.17	4.73
	4233	846.6	4.18	4.77

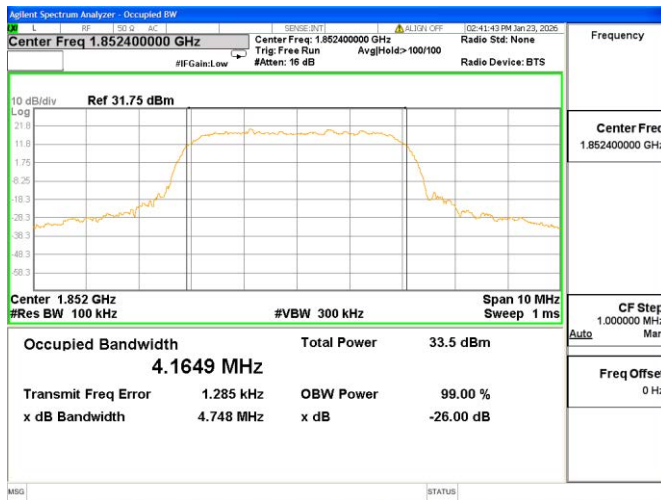
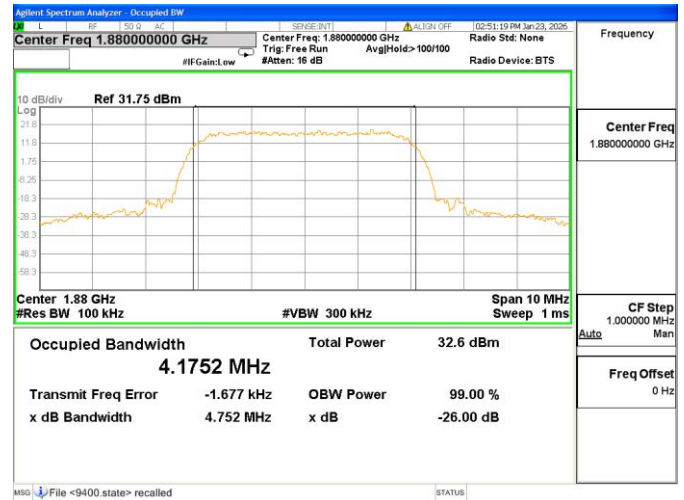
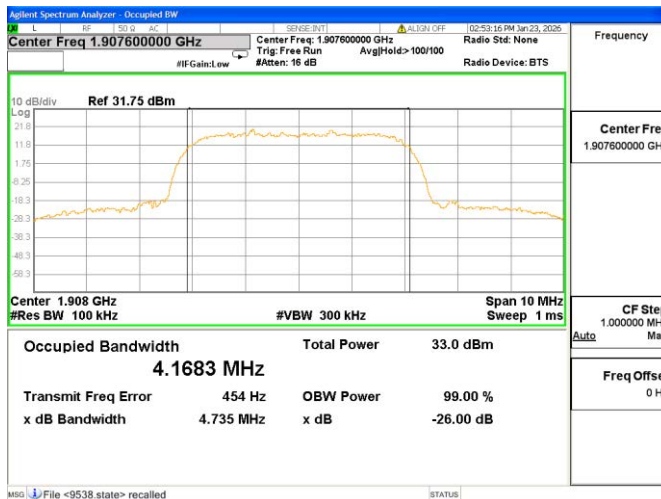
WCDMA Band IV				
Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
WCDMA	1312	1712.4	4.16	4.74
	1413	1732.6	4.15	4.73
	1513	1752.6	4.16	4.74

WCDMA Band II				
Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
WCDMA	9262	1852.4	4.16	4.75
	9400	1880.0	4.18	4.75
	9538	1907.6	4.17	4.74



**WCDMA Band V, CH4132, 826.4MHz****WCDMA Band V, CH4182, 836.4MHz****WCDMA Band V, CH4233, 846.6MHz**

**WCDMA Band IV, CH1312, 1712.4MHz****WCDMA Band IV, CH1413, 1732.6MHz****WCDMA Band IV, CH1513, 1752.6MHz**

**WCDMA Band II, CH9262, 1852.4MHz****WCDMA Band II, CH9400, 1880.0MHz****WCDMA Band II, CH9538, 1907.6MHz**

2.4. Frequency Stability

2.4.1. Requirement

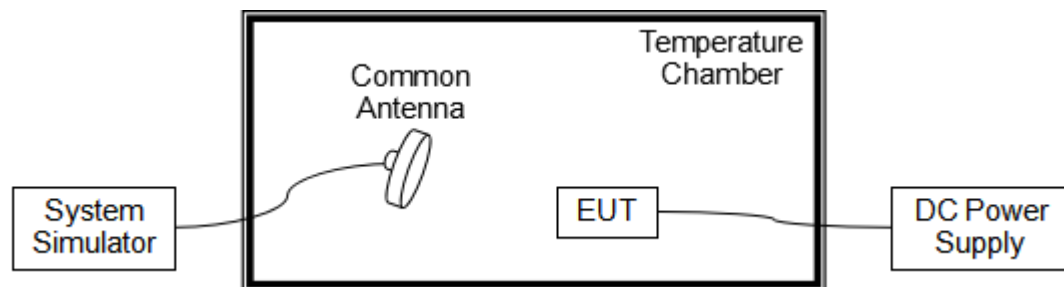
According to FCC section 22.355, 24.235 and 27.54 the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

- (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 45°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 3.87V, 4.45V and 3.65V, which are specified by the applicant; the normal temperature here used is 20°C.

WCDMA Band V, CH4182, 836.4MHz					
Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	20	0.024	PASS
Normal		0	11	0.013	
Normal		+10	16	0.019	
Normal		+20	16	0.019	
Normal		+30	0	0.000	
Normal		+40	15	0.018	
Normal		+45	19	0.023	
High	4.45	+20	-19	-0.023	
BATT.ENDPOINT	3.65	+20	16	0.019	

WCDMA Band IV, CH1413, 1732.6MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	16	0.009	PASS
Normal		0	13	0.008	
Normal		+10	17	0.010	
Normal		+20	5	0.003	
Normal		+30	15	0.009	
Normal		+40	17	0.010	
Normal		+45	15	0.009	
High	4.45	+20	17	0.010	
BATT.ENDPOINT	3.65	+20	15	0.009	





WCDMA Band II, CH9400, 1880.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	-3	-0.002	PASS
Normal		0	14	0.007	
Normal		+10	-11	-0.006	
Normal		+20	18	0.010	
Normal		+30	20	0.011	
Normal		+40	-8	-0.004	
Normal		+45	20	0.011	
High	4.45	+20	12	0.006	
BATT.ENDPOINT	3.65	+20	15	0.008	



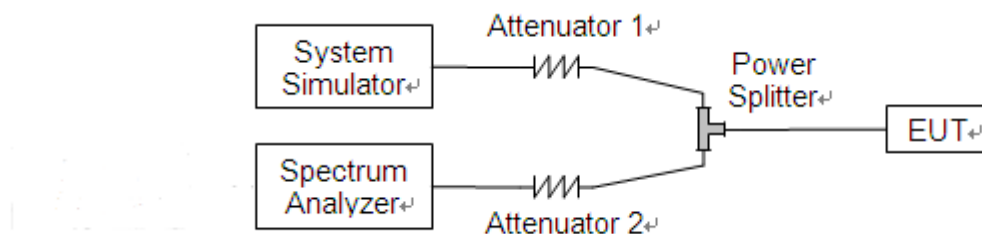
2.5. Conducted Out of Band Emissions

2.5.1. 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 $43 + 10 \cdot \log(P)$ 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.





2.5.3. Test Result

WCDMA Band V, CH4132, 826.4MHz



WCDMA Band V, CH4182, 836.4MHz

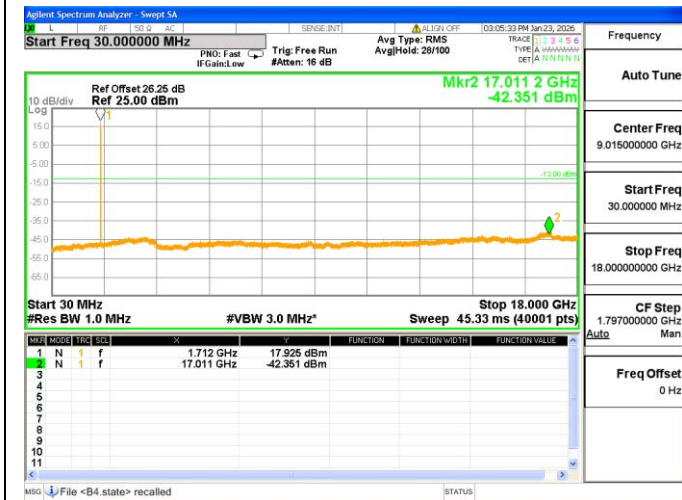


WCDMA Band V, CH4233, 846.6MHz





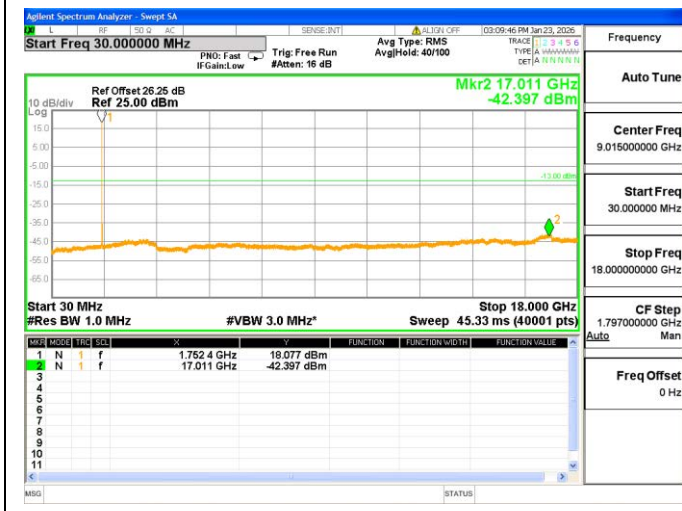
WCDMA Band IV, CH1312, 1712.4MHz



WCDMA Band IV, CH1413, 1732.6MHz

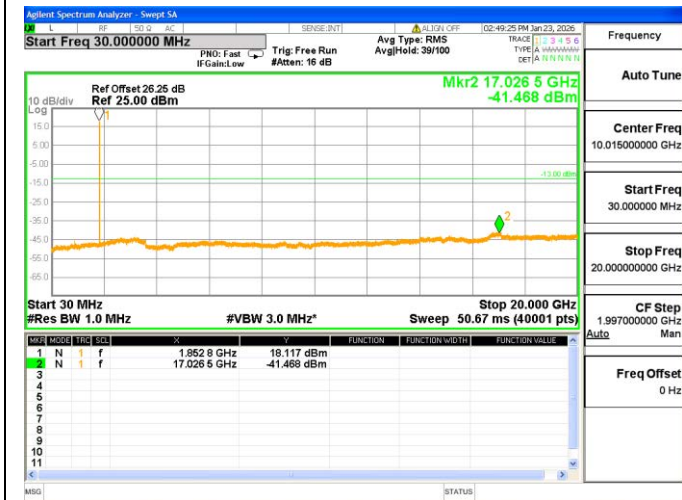


WCDMA Band IV, CH1513, 1752.6MHz

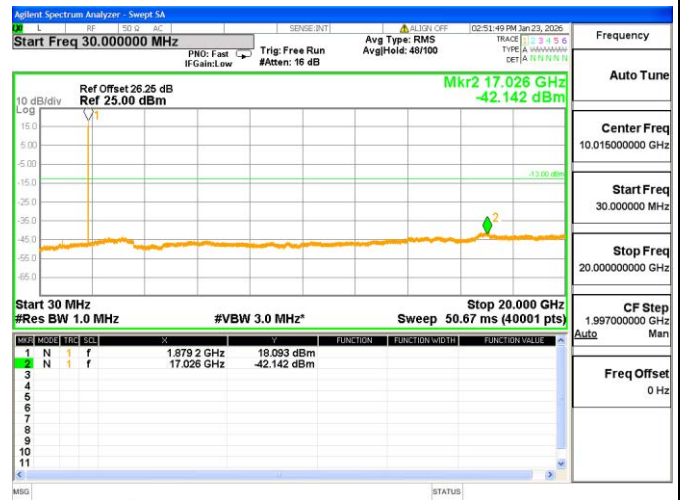




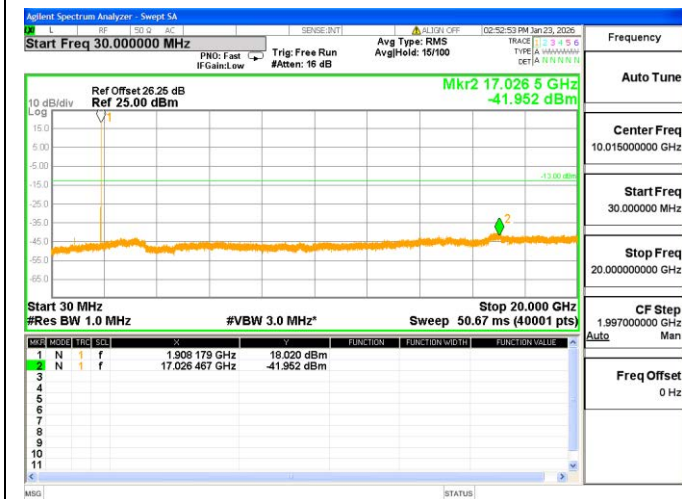
WCDMA Band II, CH9262, 1852.4MHz



WCDMA Band II, CH9400, 1880.0MHz



WCDMA Band II, CH9538, 1907.6MHz



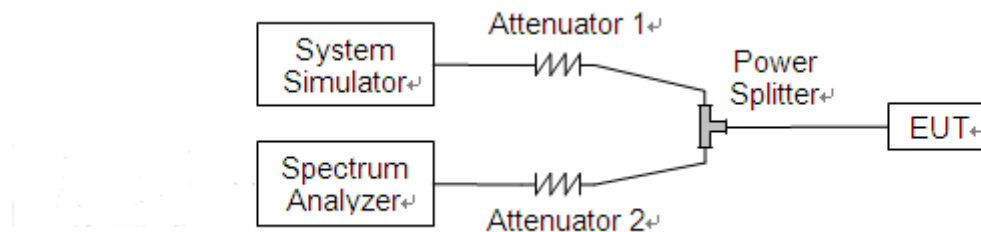
2.6. Band Edge

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 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.





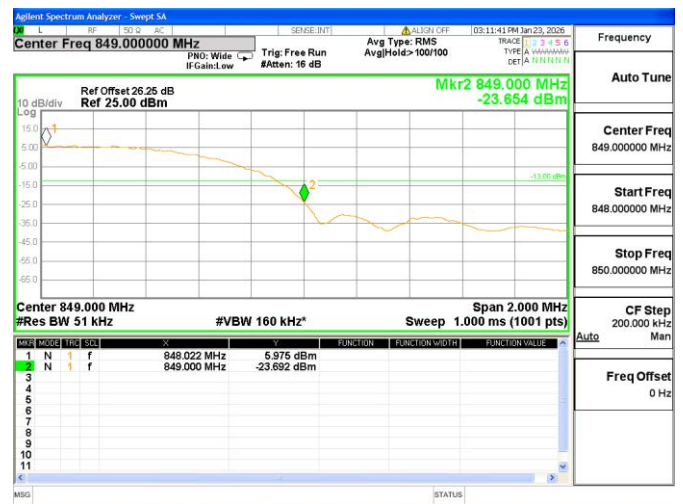
2.6.3. Test Result

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

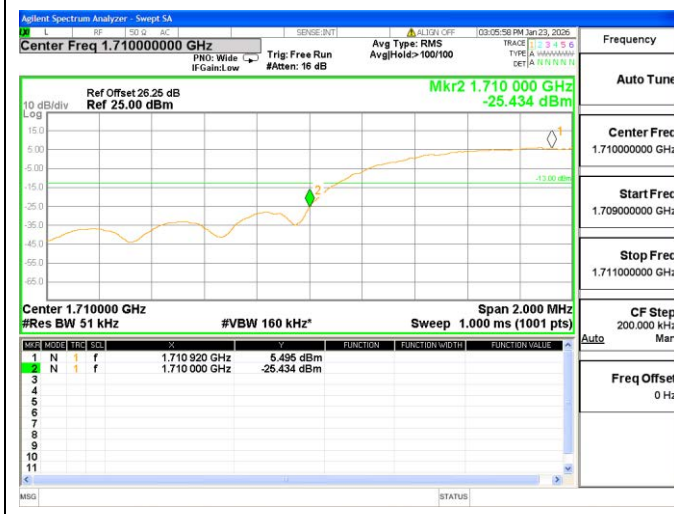
WCDMA Band V, CH4132, 826.4MHz



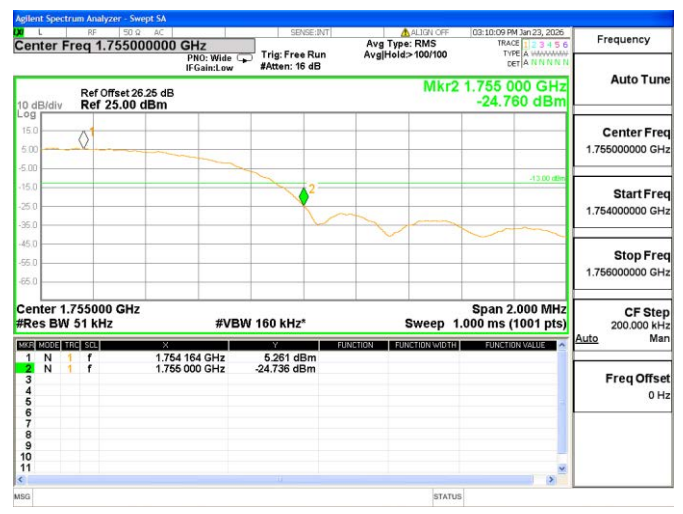
WCDMA Band V, CH4233, 846.6MHz



WCDMA Band IV, CH1312, 1712.4MHz



WCDMA Band IV, CH1513, 1752.6MHz

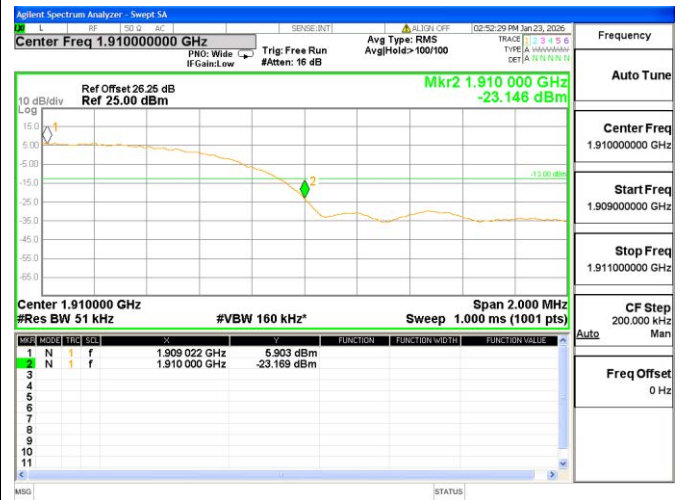




WCDMA Band II, CH9262, 1852.4MHz



WCDMA Band II, CH9538, 1907.6MHz



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:

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

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) E.R.P. = E.I.R.P. - 2.15, where E.R.P. and E.I.R.P. are expressed in consistent units.

b) E.I.R.P. = E.R.P. + 2.15, where E.R.P. and E.I.R.P. are expressed in consistent units.





2.7.3.Test Result

WCDMA Band V							
Band	Channel	Frequency (MHz)	Measured E.R.P.		Limit		Verdict
			dBm	W	dBm	W	
WCDMA	4132	826.4	15.48	0.035	38.5	7	PASS
	4182	836.4	15.59	0.036			PASS
	4233	846.6	15.57	0.036			PASS
HSDPA	4132	826.4	14.86	0.031	38.5	7	PASS
	4182	836.4	15.00	0.032			PASS
	4233	846.6	14.90	0.031			PASS
DC- HSDPA	4132	826.4	14.95	0.031	38.5	7	PASS
	4182	836.4	15.02	0.032			PASS
	4233	846.6	14.92	0.031			PASS
HSUPA	4132	826.4	14.89	0.031	38.5	7	PASS
	4182	836.4	14.99	0.032			PASS
	4233	846.6	14.95	0.031			PASS
HSPA+	4132	826.4	14.80	0.030	38.5	7	PASS
	4182	836.4	14.98	0.031			PASS
	4233	846.6	14.90	0.031			PASS
Note 1: For the HSDPA and HSUPA mode, all the subtests were tested and just the worst data were recorded in this report.							





WCDMA Band IV							
Band	Channel	Frequency (MHz)	Measured E.I.R.P.		Limit		Verdict
			dBm	W	dBm	W	
WCDMA	1312	1712.4	26.08	0.406	30	1	PASS
	1413	1732.6	26.11	0.408			PASS
	1513	1752.6	26.00	0.398			PASS
HSDPA	1312	1712.4	25.29	0.338	30	1	PASS
	1413	1732.6	25.35	0.343			PASS
	1513	1752.6	25.27	0.337			PASS
DC- HSDPA	1312	1712.4	25.13	0.326	30	1	PASS
	1413	1732.6	25.18	0.330			PASS
	1513	1752.6	25.06	0.321			PASS
HSUPA	1312	1712.4	25.16	0.328	30	1	PASS
	1413	1732.6	25.35	0.343			PASS
	1513	1752.6	25.23	0.333			PASS
HSPA+	1312	1712.4	25.30	0.339	30	1	PASS
	1413	1732.6	25.28	0.337			PASS
	1513	1752.6	25.17	0.329			PASS
Note 1: For the HSDPA and HSUPA mode, all the subtests were tested and just the worst data were recorded in this report.							





WCDMA Band II							
Band	Channel	Frequency (MHz)	Measured E.I.R.P.		Limit		Verdict
			dBm	W	dBm	W	
WCDMA	9262	1852.4	26.92	0.492	33	2	PASS
	9400	1880.0	27.04	0.506			PASS
	9538	1907.6	26.95	0.495			PASS
HSDPA	9262	1852.4	26.09	0.406	33	2	PASS
	9400	1880.0	26.44	0.441			PASS
	9538	1907.6	26.40	0.437			PASS
DC-HSDPA	9262	1852.4	26.12	0.409	33	2	PASS
	9400	1880.0	26.19	0.416			PASS
	9538	1907.6	26.15	0.412			PASS
HSUPA	9262	1852.4	25.97	0.395	33	2	PASS
	9400	1880.0	26.12	0.409			PASS
	9538	1907.6	26.15	0.412			PASS
HSPA+	9262	1852.4	26.12	0.409	33	2	PASS
	9400	1880.0	26.27	0.424			PASS
	9538	1907.6	26.19	0.416			PASS
Note 1: For the HSDPA and HSUPA mode, all the subtests were tested and just the worst data were recorded in this report.							

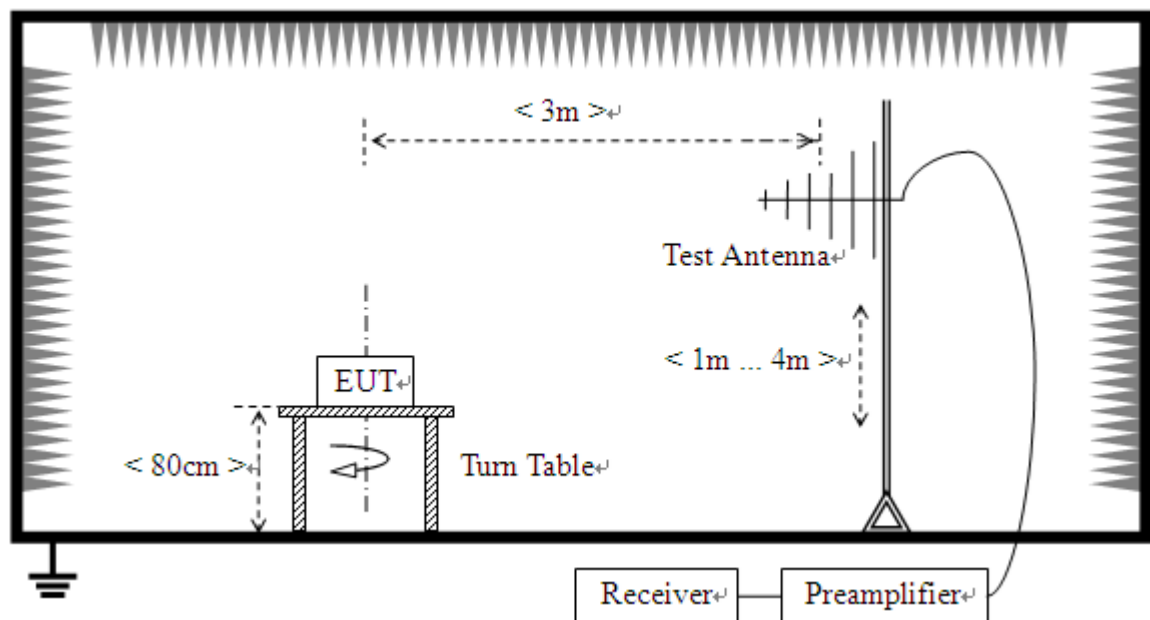


2.8. Radiated Out of Band Emissions

2.8.1. Requirement

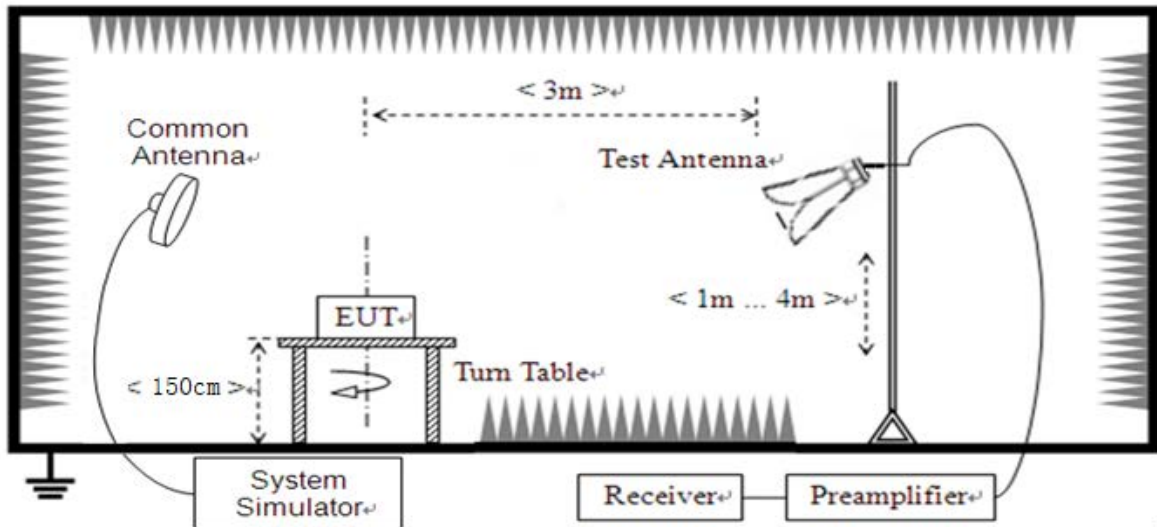
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \cdot \log(P)$ dB. This calculated to be -13dBm. The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency.

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.

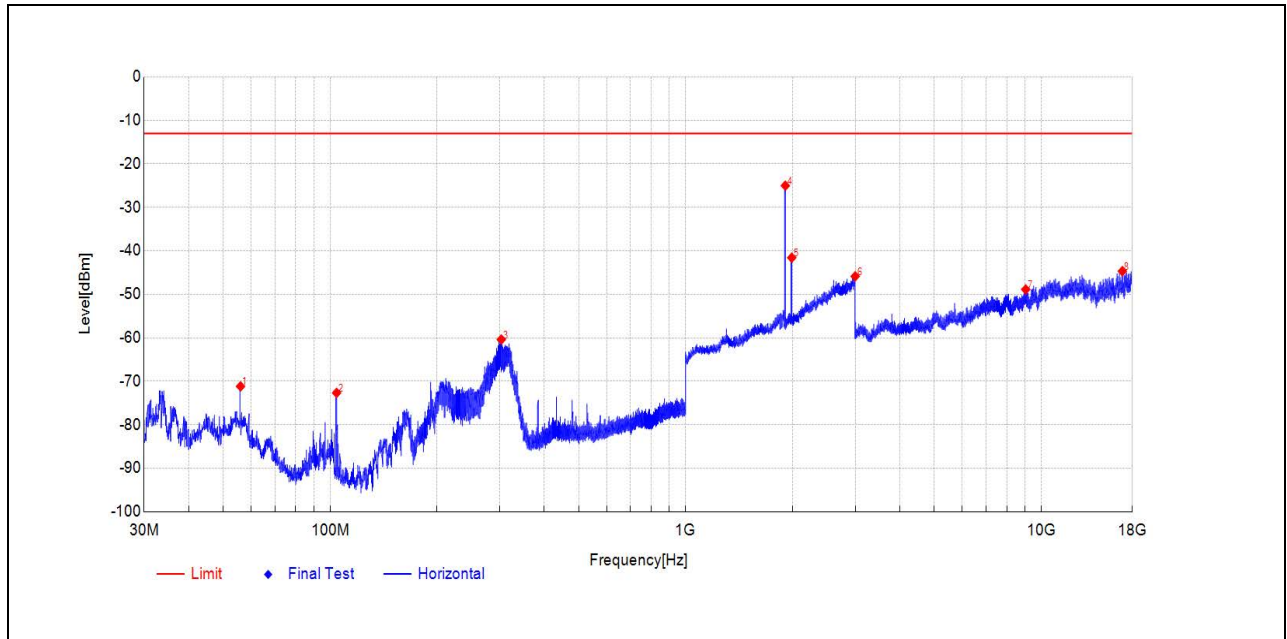
Note3: All spurious emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

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

Note5: The B5 frequency band supports both uplink and downlink antennas. For the other frequency bands, only the uplink antenna is supported. Among them, ANT1 represents the uplink data, and ANT2 represents the downlink data.



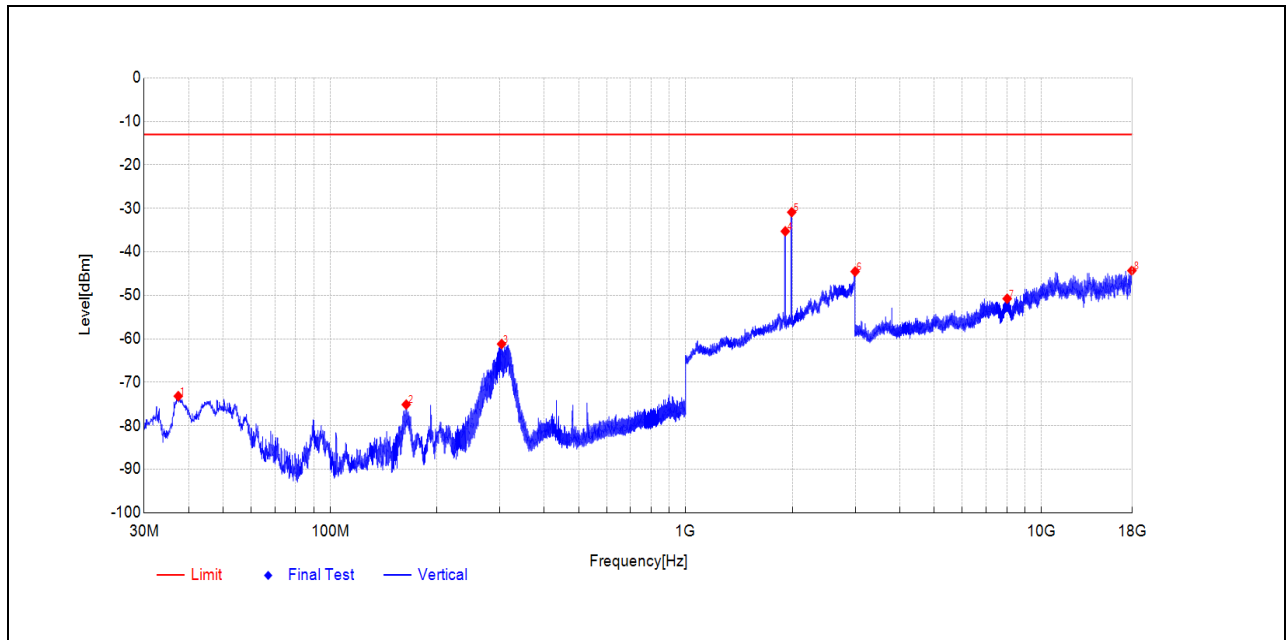
Ant1



Data List										
No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	55.9973	-55.30	-71.16	-15.9	-13.0	58.2	Horizontal	PK	355	PASS
2	104.3057	-49.94	-72.66	-22.7	-13.0	59.7	Horizontal	PK	5	PASS
3	302.9231	-41.74	-60.39	-18.7	-13.0	47.4	Horizontal	PK	251	PASS
4	1906.5813	-29.28	-25.00	4.3	-	-	Horizontal	PK	344	NA
5	1987.3975	-45.97	-41.57	4.4	-	-	Horizontal	PK	152	NA
6	2997.5995	-59.83	-45.85	14.0	-13.0	32.9	Horizontal	PK	280	PASS
7	9042.8417	-64.41	-48.87	15.5	-13.0	35.9	Horizontal	PK	360	PASS
8	16912.2765	-69.65	-44.66	25.0	-13.0	31.7	Horizontal	PK	302	PASS

WCDMA B2 High H



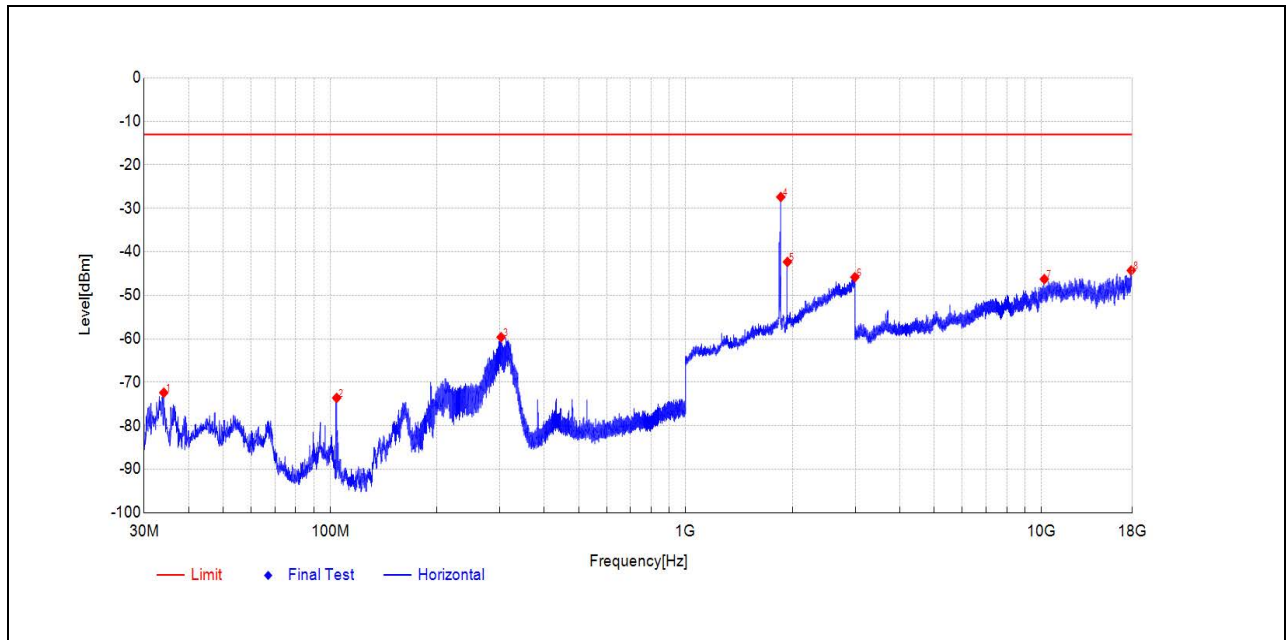


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	37.4209	-50.43	-73.18	-22.8	-13.0	60.2	Vertical	PK	335	PASS
2	163.7212	-52.17	-75.11	-22.9	-13.0	62.1	Vertical	PK	355	PASS
3	303.6507	-45.01	-61.19	-16.2	-13.0	48.2	Vertical	PK	235	PASS
4	1906.1812	-40.30	-35.27	5.0	-	-	Vertical	PK	349	NA
5	1987.3975	-35.38	-30.87	4.5	-	-	Vertical	PK	328	NA
6	2996.3993	-60.36	-44.52	15.8	-13.0	31.5	Vertical	PK	328	PASS
7	8019.9208	-63.76	-50.77	13.0	-13.0	37.8	Vertical	PK	262	PASS
8	17983.1993	-68.43	-44.32	24.1	-13.0	31.3	Vertical	PK	156	PASS

WCDMA B2 High V



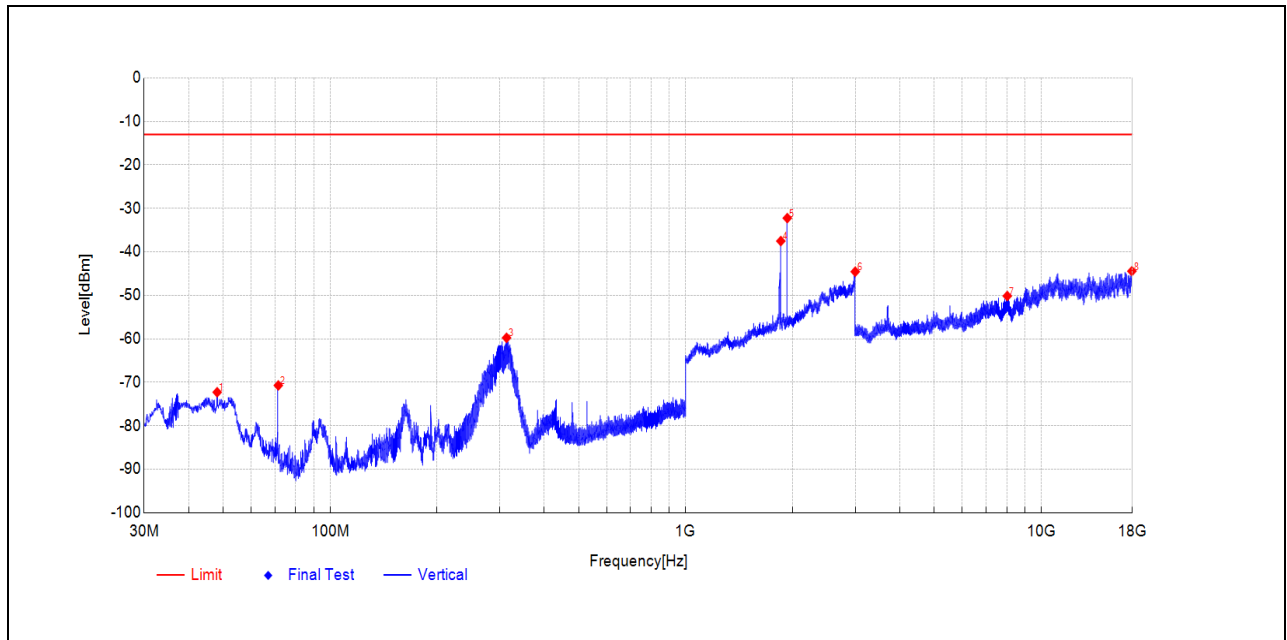


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	34.0742	-57.16	-72.39	-15.2	-13.0	59.4	Horizontal	PK	355	PASS
2	104.3542	-50.87	-73.59	-22.7	-13.0	60.6	Horizontal	PK	214	PASS
3	302.5351	-40.97	-59.63	-18.7	-13.0	46.6	Horizontal	PK	234	PASS
4	1851.7704	-31.68	-27.38	4.3	-	-	Horizontal	PK	348	NA
5	1933.3867	-46.29	-42.31	4.0	-	-	Horizontal	PK	262	NA
6	2991.1982	-59.61	-45.82	13.8	-13.0	32.8	Horizontal	PK	26	PASS
7	10201.6081	-65.62	-46.27	19.4	-13.0	33.3	Horizontal	PK	262	PASS
8	17910.7164	-68.70	-44.28	24.4	-13.0	31.3	Horizontal	PK	262	PASS

WCDMA B2 Low H



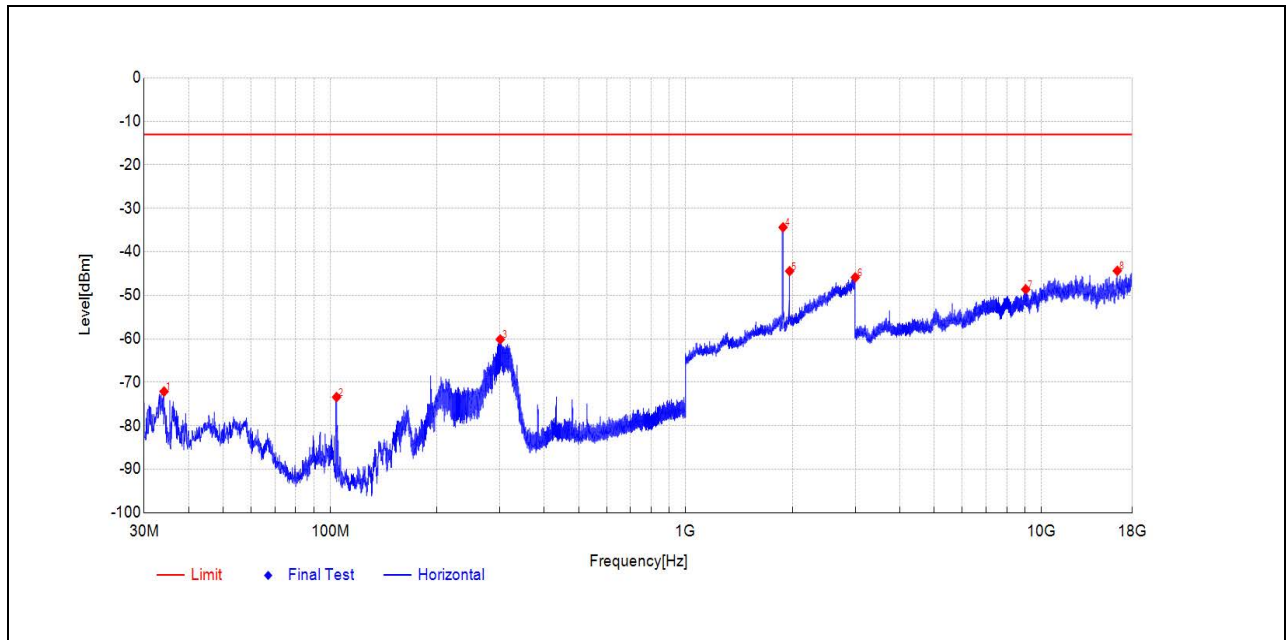


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	48.1399	-53.09	-72.28	-19.2	-13.0	59.3	Vertical	PK	355	PASS
2	71.5181	-49.58	-70.72	-21.1	-13.0	57.7	Vertical	PK	355	PASS
3	313.5937	-43.68	-59.76	-16.1	-13.0	46.8	Vertical	PK	212	PASS
4	1851.7704	-41.80	-37.51	4.3	-	-	Vertical	PK	348	NA
5	1931.3863	-36.10	-32.23	3.9	-	-	Vertical	PK	112	NA
6	2998.3997	-60.62	-44.55	16.1	-13.0	31.6	Vertical	PK	198	PASS
7	8026.161	-63.14	-50.15	13.0	-13.0	37.2	Vertical	PK	5	PASS
8	17983.6793	-68.55	-44.44	24.1	-13.0	31.4	Vertical	PK	69	PASS

WCDMA B2 Low V



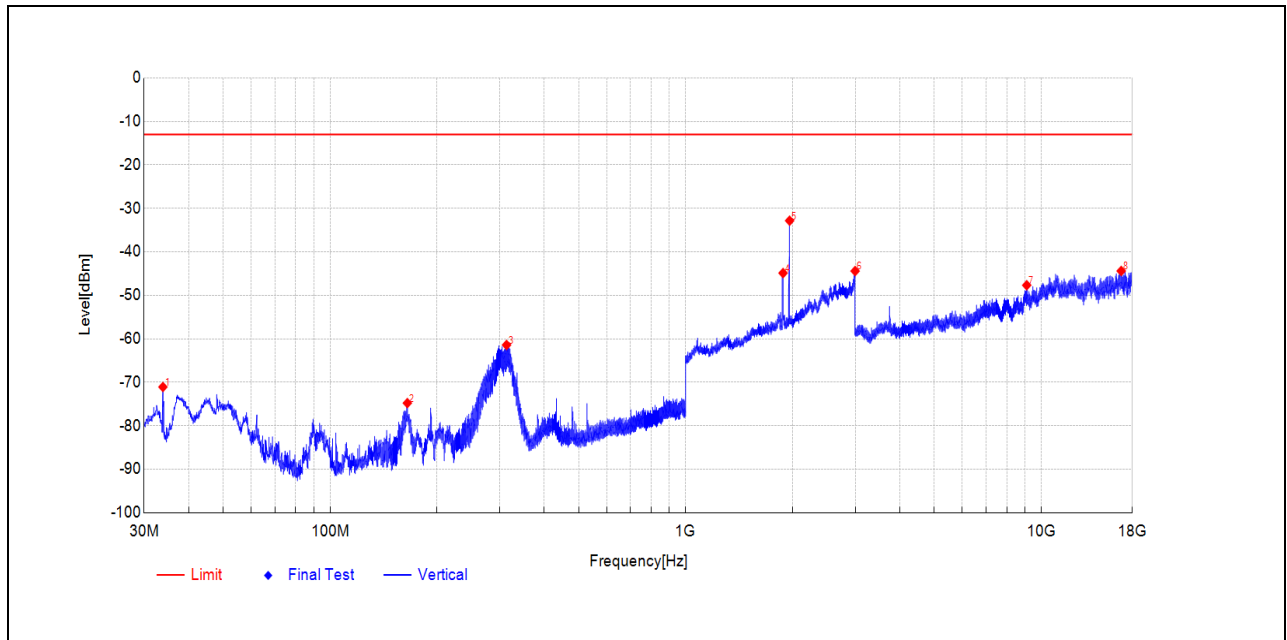


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	34.1227	-56.88	-72.11	-15.2	-13.0	59.1	Horizontal	PK	110	PASS
2	104.3057	-50.68	-73.40	-22.7	-13.0	60.4	Horizontal	PK	273	PASS
3	300.9345	-41.48	-60.14	-18.7	-13.0	47.1	Horizontal	PK	230	PASS
4	1878.5757	-39.58	-34.35	5.2	-	-	Horizontal	PK	345	NA
5	1960.5921	-48.93	-44.43	4.5	-	-	Horizontal	PK	152	NA
6	2999.5999	-59.90	-45.86	14.0	-13.0	32.9	Horizontal	PK	152	PASS
7	9043.3217	-64.16	-48.62	15.5	-13.0	35.6	Horizontal	PK	281	PASS
8	16362.1745	-69.55	-44.36	25.2	-13.0	31.4	Horizontal	PK	173	PASS

WCDMA B2 Mid H



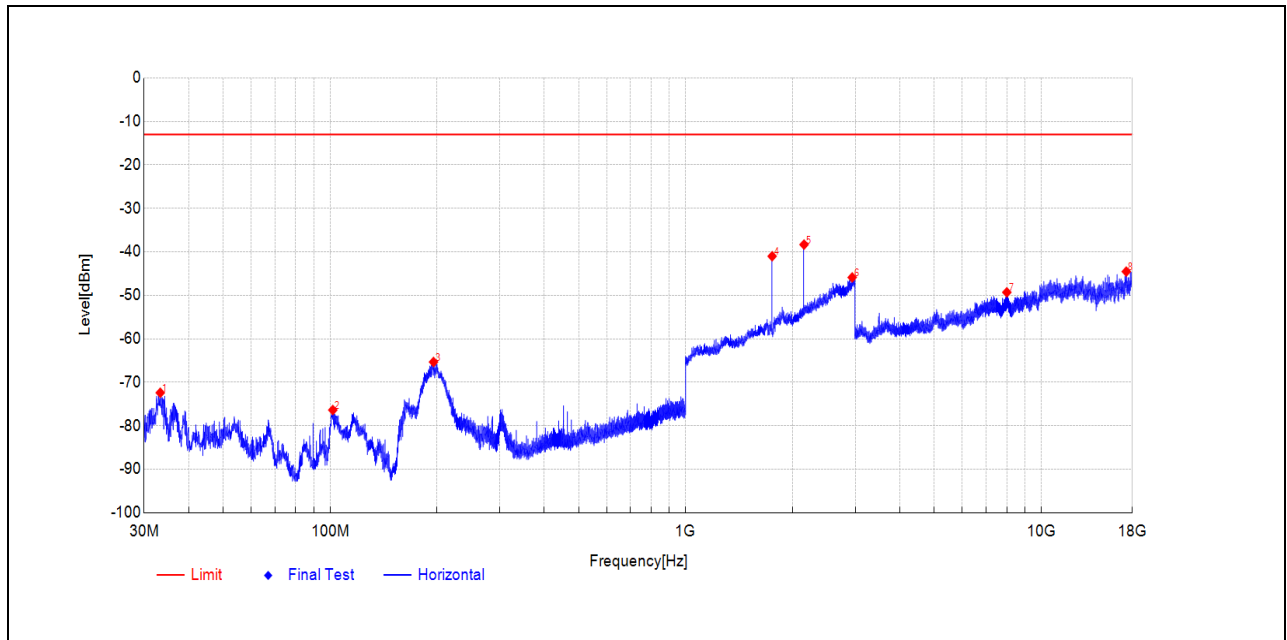


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	33.8802	-47.14	-71.07	-23.9	-13.0	58.1	Vertical	PK	293	PASS
2	164.9337	-51.84	-74.77	-22.9	-13.0	61.8	Vertical	PK	333	PASS
3	313.5937	-45.33	-61.41	-16.1	-13.0	48.4	Vertical	PK	212	PASS
4	1878.5757	-49.93	-44.87	5.1	-	-	Vertical	PK	348	NA
5	1960.192	-37.04	-32.83	4.2	-	-	Vertical	PK	176	NA
6	2995.9992	-60.19	-44.41	15.8	-13.0	31.4	Vertical	PK	5	PASS
7	9101.8841	-64.11	-47.67	16.4	-13.0	34.7	Vertical	PK	176	PASS
8	16781.2312	-70.08	-44.39	25.7	-13.0	31.4	Vertical	PK	47	PASS

WCDMA B2 Mid V



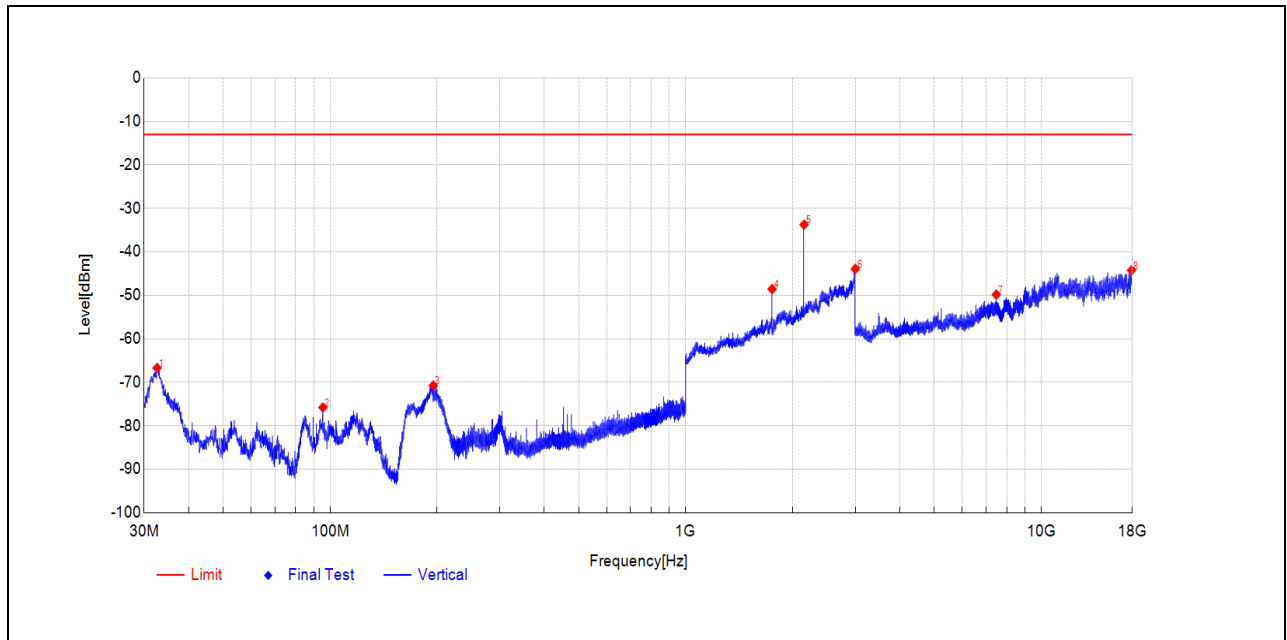


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	33.2982	-57.17	-72.40	-15.2	-13.0	59.4	Horizontal	PK	355	PASS
2	101.7836	-53.56	-76.38	-22.8	-13.0	63.4	Horizontal	PK	48	PASS
3	195.3933	-46.73	-65.32	-18.6	-13.0	52.3	Horizontal	PK	48	PASS
4	1750.9502	-43.92	-41.00	2.9	-	-	Horizontal	PK	346	NA
5	2152.6305	-44.35	-38.32	6.0	-	-	Horizontal	PK	132	NA
6	2939.988	-59.21	-45.87	13.3	-13.0	32.9	Horizontal	PK	5	PASS
7	8004.0802	-62.66	-49.30	13.4	-13.0	36.3	Horizontal	PK	154	PASS
8	17342.8537	-68.89	-44.53	24.4	-13.0	31.5	Horizontal	PK	89	PASS

WCDMA B4 High H



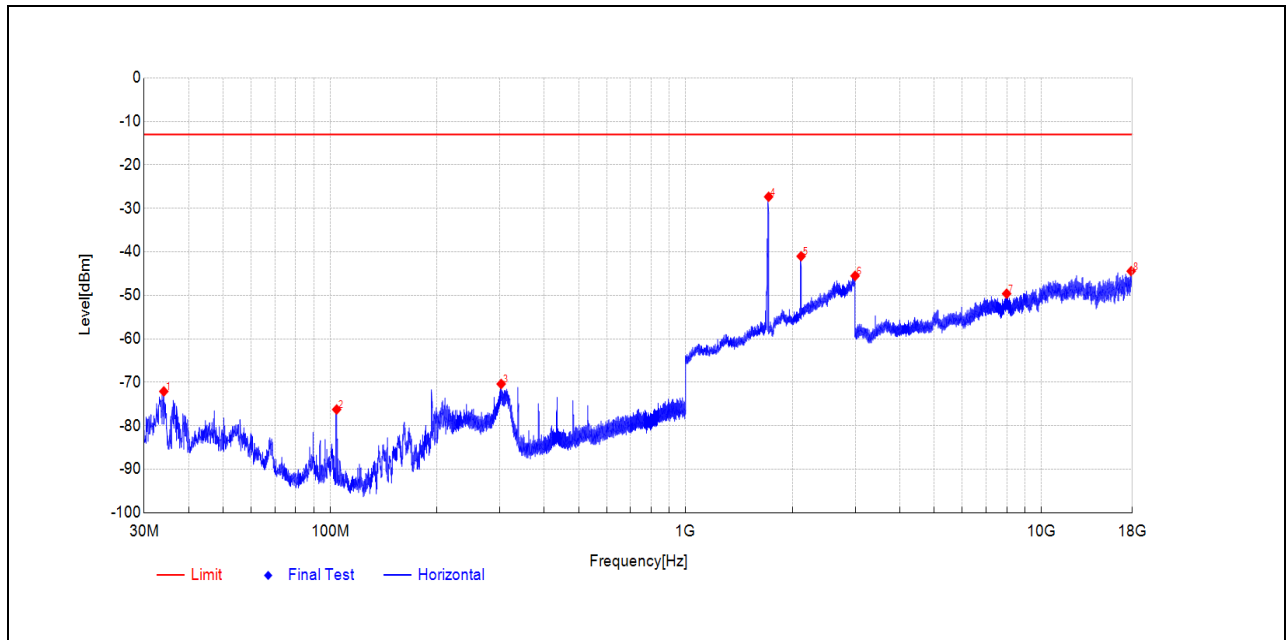


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	32.6191	-42.33	-66.70	-24.4	-13.0	53.7	Vertical	PK	355	PASS
2	95.4783	-53.99	-75.79	-21.8	-13.0	62.8	Vertical	PK	355	PASS
3	195.0538	-48.99	-70.75	-21.8	-13.0	57.8	Vertical	PK	210	PASS
4	1750.5501	-52.00	-48.55	3.5	-	-	Vertical	PK	326	NA
5	2153.4307	-39.43	-33.74	5.7	-	-	Vertical	PK	133	NA
6	2999.1998	-60.55	-43.91	16.6	-13.0	30.9	Vertical	PK	262	PASS
7	7470.7788	-61.66	-49.84	11.8	-13.0	36.8	Vertical	PK	218	PASS
8	17938.5575	-68.62	-44.24	24.4	-13.0	31.2	Vertical	PK	360	PASS

WCDMA B4 High V



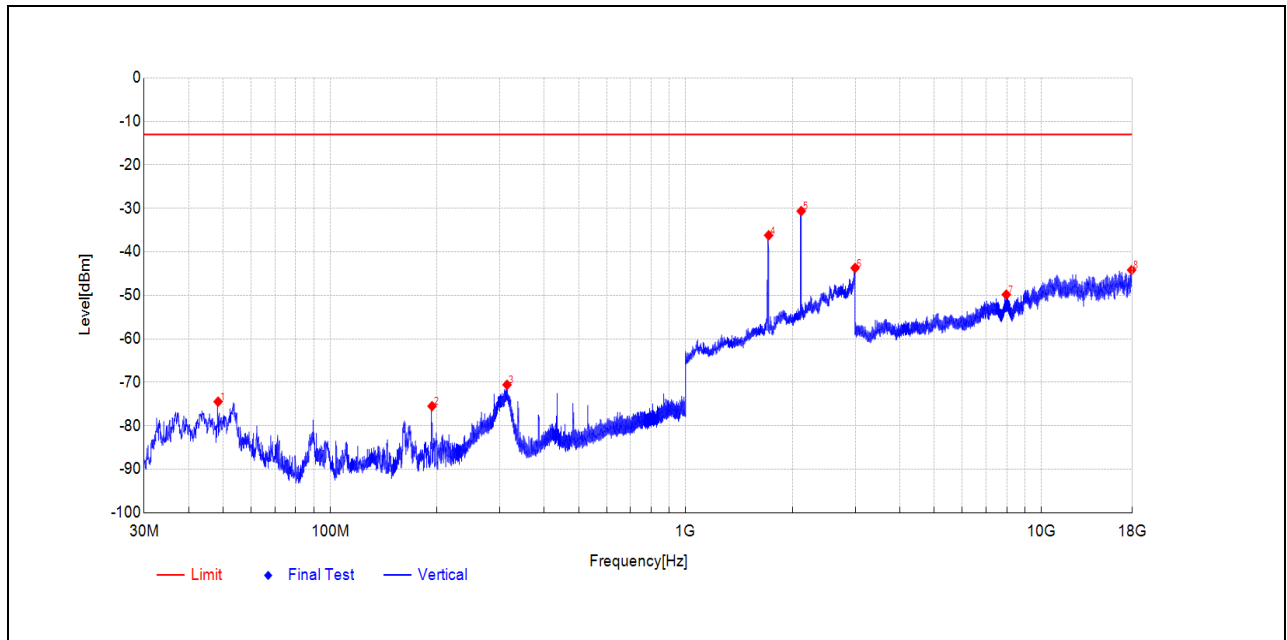


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	34.0742	-56.85	-72.09	-15.2	-13.0	59.1	Horizontal	PK	106	PASS
2	104.3542	-53.54	-76.25	-22.7	-13.0	63.3	Horizontal	PK	188	PASS
3	302.7776	-51.74	-70.38	-18.6	-13.0	57.4	Horizontal	PK	250	PASS
4	1711.3423	-30.65	-27.32	3.3	-	-	Horizontal	PK	346	NA
5	2111.8224	-46.78	-41.00	5.8	-	-	Horizontal	PK	154	NA
6	2995.5991	-59.80	-45.52	14.3	-13.0	32.5	Horizontal	PK	360	PASS
7	7993.5197	-62.94	-49.62	13.3	-13.0	36.6	Horizontal	PK	132	PASS
8	17904.9562	-68.89	-44.43	24.5	-13.0	31.4	Horizontal	PK	218	PASS

WCDMA B4 Low H



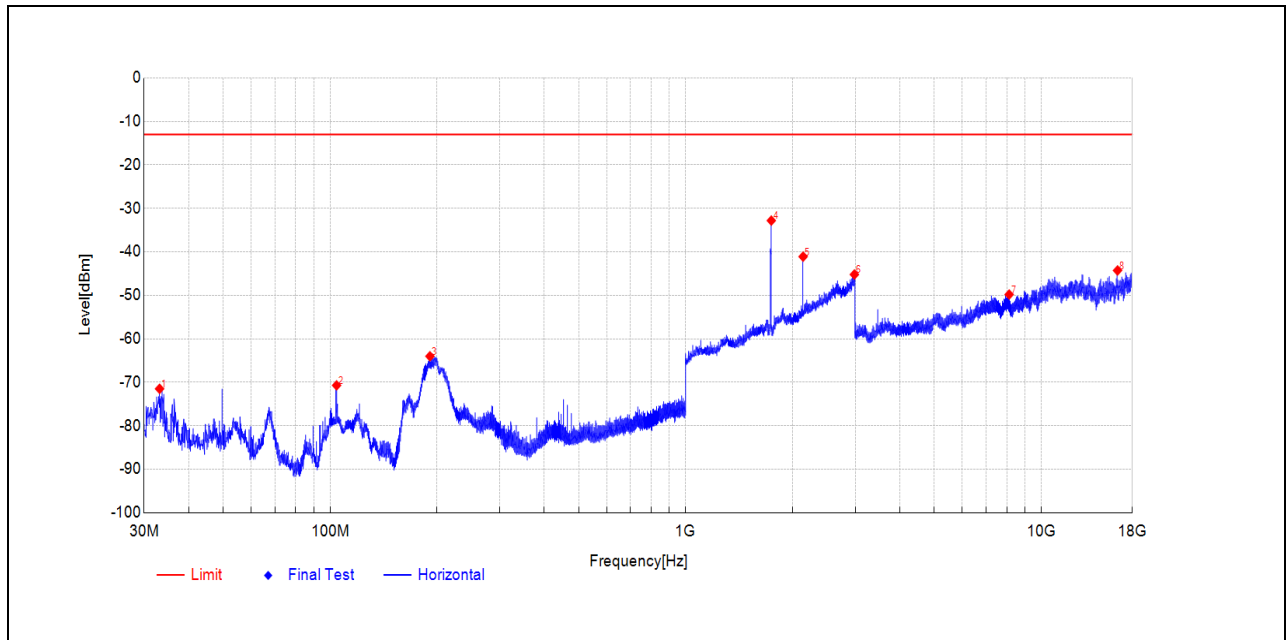


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	48.4309	-55.40	-74.46	-19.1	-13.0	61.5	Vertical	PK	0	PASS
2	193.5017	-53.64	-75.49	-21.9	-13.0	62.5	Vertical	PK	355	PASS
3	314.5152	-54.51	-70.57	-16.1	-13.0	57.6	Vertical	PK	230	PASS
4	1711.3423	-39.67	-36.19	3.5	-	-	Vertical	PK	343	NA
5	2113.4227	-36.24	-30.62	5.6	-	-	Vertical	PK	88	NA
6	2995.5991	-59.80	-43.70	16.1	-13.0	30.7	Vertical	PK	67	PASS
7	7974.799	-62.65	-49.83	12.8	-13.0	36.8	Vertical	PK	88	PASS
8	17952.9581	-68.47	-44.19	24.3	-13.0	31.2	Vertical	PK	343	PASS

WCDMA B4 Low V



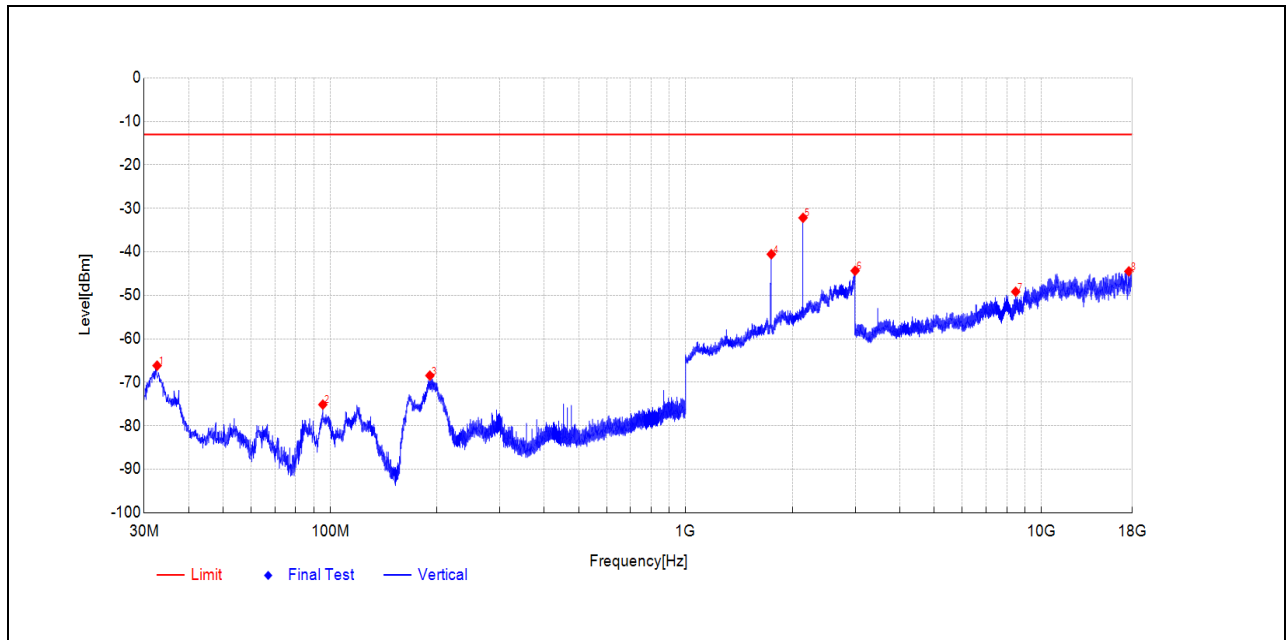


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	33.1527	-56.26	-71.49	-15.2	-13.0	58.5	Horizontal	PK	231	PASS
2	104.3057	-47.99	-70.70	-22.7	-13.0	57.7	Horizontal	PK	273	PASS
3	190.931	-44.65	-64.01	-19.4	-13.0	51.0	Horizontal	PK	49	PASS
4	1741.3483	-35.77	-32.79	3.0	-	-	Horizontal	PK	346	NA
5	2139.4279	-47.11	-41.09	6.0	-	-	Horizontal	PK	132	NA
6	2981.9964	-59.07	-45.20	13.9	-13.0	32.2	Horizontal	PK	259	PASS
7	8124.565	-63.30	-49.81	13.5	-13.0	36.8	Horizontal	PK	5	PASS
8	16390.0156	-69.89	-44.27	25.6	-13.0	31.3	Horizontal	PK	302	PASS

WCDMA B4 Mid H



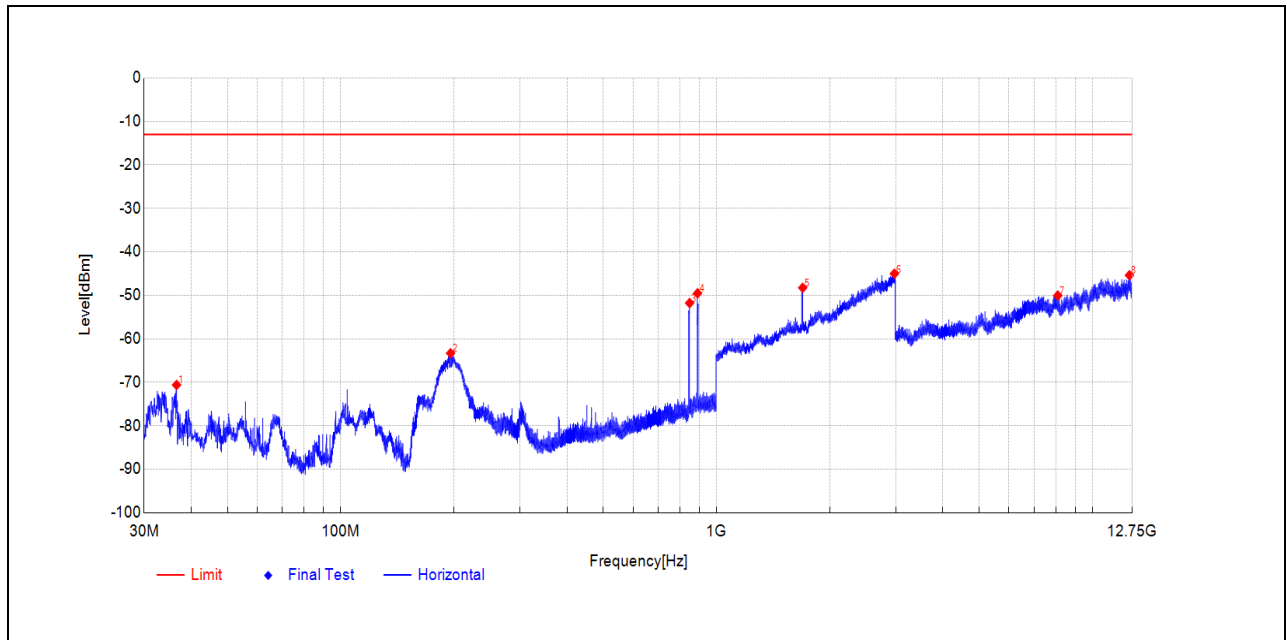


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	32.6191	-41.79	-66.16	-24.4	-13.0	53.2	Vertical	PK	355	PASS
2	95.4298	-53.32	-75.12	-21.8	-13.0	62.1	Vertical	PK	0	PASS
3	190.8825	-46.44	-68.46	-22.0	-13.0	55.5	Vertical	PK	175	PASS
4	1741.3483	-43.97	-40.54	3.4	-	-	Vertical	PK	344	NA
5	2138.6277	-38.07	-32.16	5.9	-	-	Vertical	PK	129	NA
6	2996.3993	-60.56	-44.34	16.2	-13.0	31.3	Vertical	PK	5	PASS
7	8474.019	-62.37	-49.17	13.2	-13.0	36.2	Vertical	PK	194	PASS
8	17637.1055	-70.18	-44.47	25.7	-13.0	31.5	Vertical	PK	89	PASS

WCDMA B4 Mid V



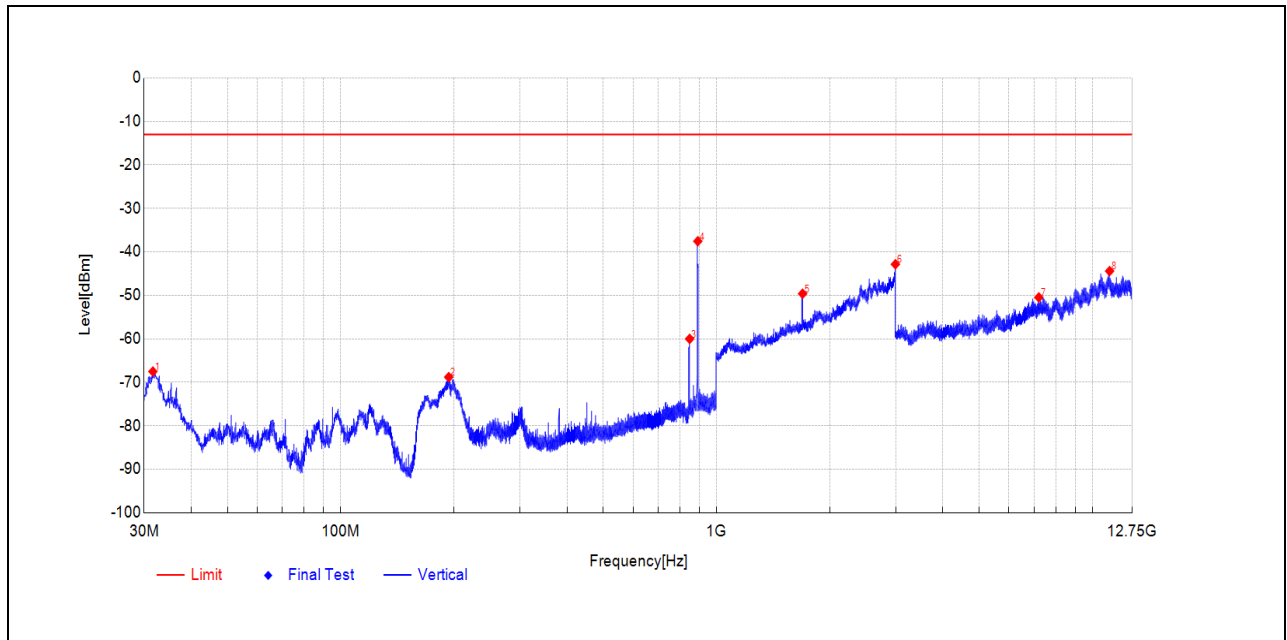


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	36.5963	-55.39	-70.60	-15.2	-13.0	57.6	Horizontal	PK	208	PASS
2	196.0723	-45.00	-63.30	-18.3	-13.0	50.3	Horizontal	PK	40	PASS
3	847.9934	-46.56	-51.77	-5.2	-	-	Horizontal	PK	208	NA
4	890.5785	-44.82	-49.51	-4.7	-	-	Horizontal	PK	165	NA
5	1695.3391	-51.12	-48.25	2.9	-13.0	35.3	Horizontal	PK	211	PASS
6	2973.1946	-59.85	-45.02	14.8	-13.0	32.0	Horizontal	PK	294	PASS
7	8093.6547	-63.58	-50.04	13.5	-13.0	37.0	Horizontal	PK	249	PASS
8	12551.0901	-68.71	-45.38	23.3	-13.0	32.4	Horizontal	PK	103	PASS

WCDMA B5 High H



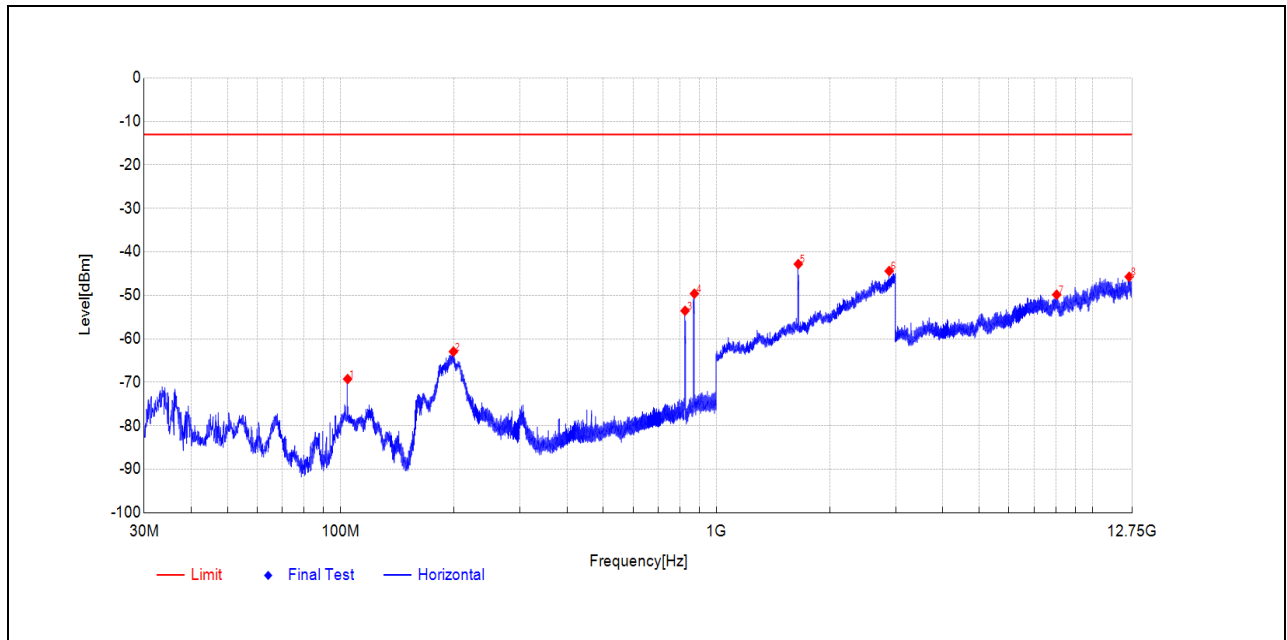


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	31.6491	-42.88	-67.52	-24.6	-13.0	54.5	Vertical	PK	248	PASS
2	193.8412	-47.16	-68.81	-21.7	-13.0	55.8	Vertical	PK	186	PASS
3	848.0904	-54.47	-60.01	-5.5	-	-	Vertical	PK	227	NA
4	891.5971	-33.10	-37.54	-4.4	-	-	Vertical	PK	313	NA
5	1694.5389	-52.69	-49.62	3.1	-13.0	36.6	Vertical	PK	294	PASS
6	2991.9984	-59.21	-42.84	16.4	-13.0	29.8	Vertical	PK	356	PASS
7	7203.9227	-61.85	-50.46	11.4	-13.0	37.5	Vertical	PK	16	PASS
8	11113.8682	-66.62	-44.41	22.2	-13.0	31.4	Vertical	PK	123	PASS

WCDMA B5 High V



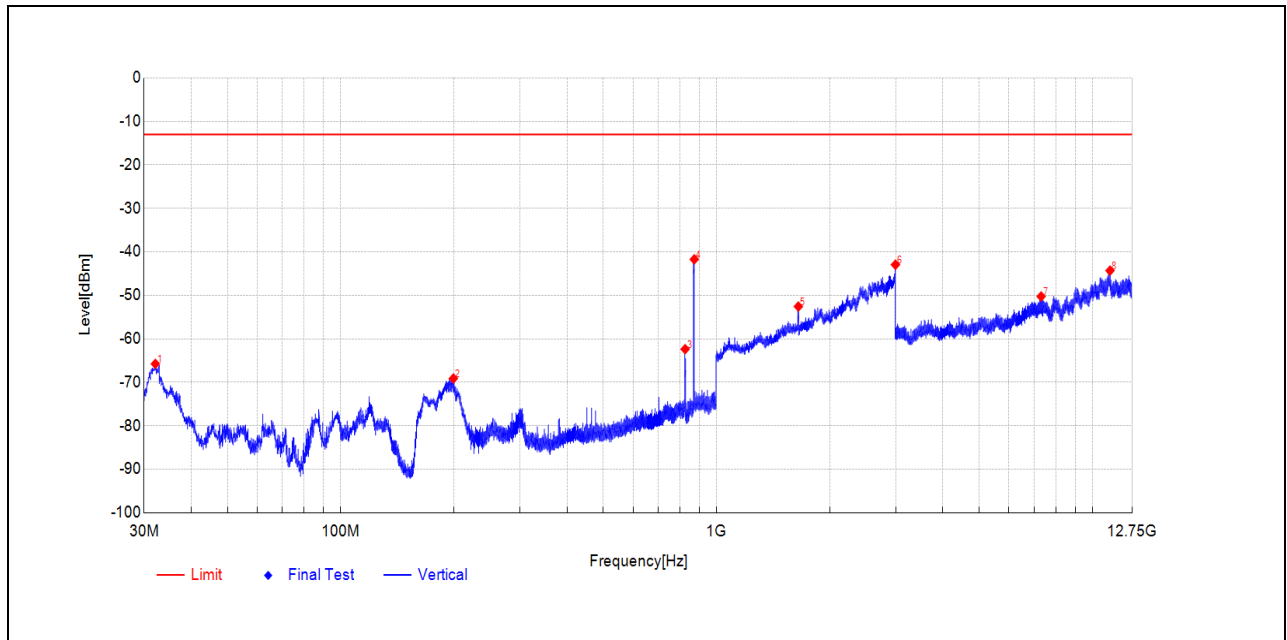


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	104.3542	-46.74	-69.24	-22.5	-13.0	56.2	Horizontal	PK	272	PASS
2	199.516	-45.23	-62.94	-17.7	-13.0	49.9	Horizontal	PK	37	PASS
3	824.8092	-47.76	-53.55	-5.8	-	-	Horizontal	PK	123	NA
4	873.1662	-44.79	-49.61	-4.8	-	-	Horizontal	PK	209	NA
5	1650.5301	-45.41	-42.81	2.6	-13.0	29.8	Horizontal	PK	190	PASS
6	2880.3761	-58.24	-44.40	13.8	-13.0	31.4	Horizontal	PK	355	PASS
7	8037.1019	-63.30	-49.84	13.5	-13.0	36.8	Horizontal	PK	229	PASS
8	12531.5891	-69.08	-45.72	23.4	-13.0	32.7	Horizontal	PK	313	PASS

WCDMA B5 Low H



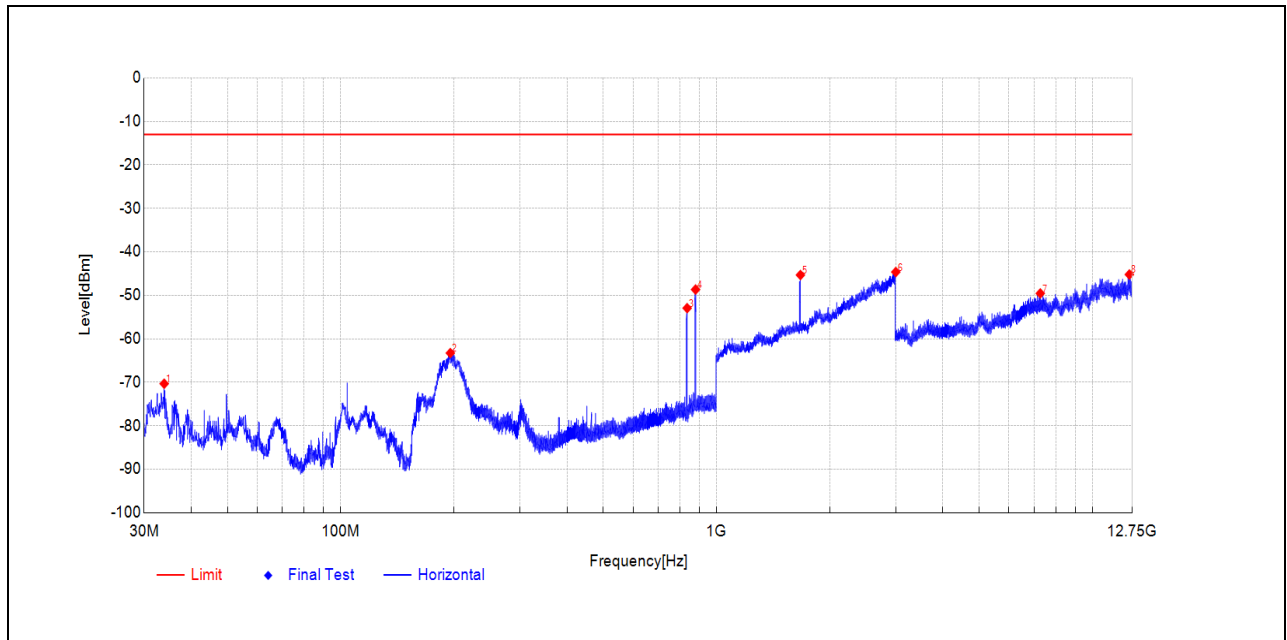


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	32.1341	-41.28	-65.76	-24.5	-13.0	52.8	Vertical	PK	355	PASS
2	199.4675	-47.77	-69.11	-21.3	-13.0	56.1	Vertical	PK	183	PASS
3	825.0518	-56.47	-62.37	-5.9	-	-	Vertical	PK	226	NA
4	872.6811	-36.97	-41.71	-4.7	-	-	Vertical	PK	269	NA
5	1650.9302	-55.02	-52.57	2.5	-13.0	39.6	Vertical	PK	88	PASS
6	2992.3985	-59.37	-42.95	16.4	-13.0	30.0	Vertical	PK	294	PASS
7	7305.8153	-62.35	-50.25	12.1	-13.0	37.3	Vertical	PK	333	PASS
8	11141.6571	-66.13	-44.31	21.8	-13.0	31.3	Vertical	PK	76	PASS

WCDMA B5 Low V



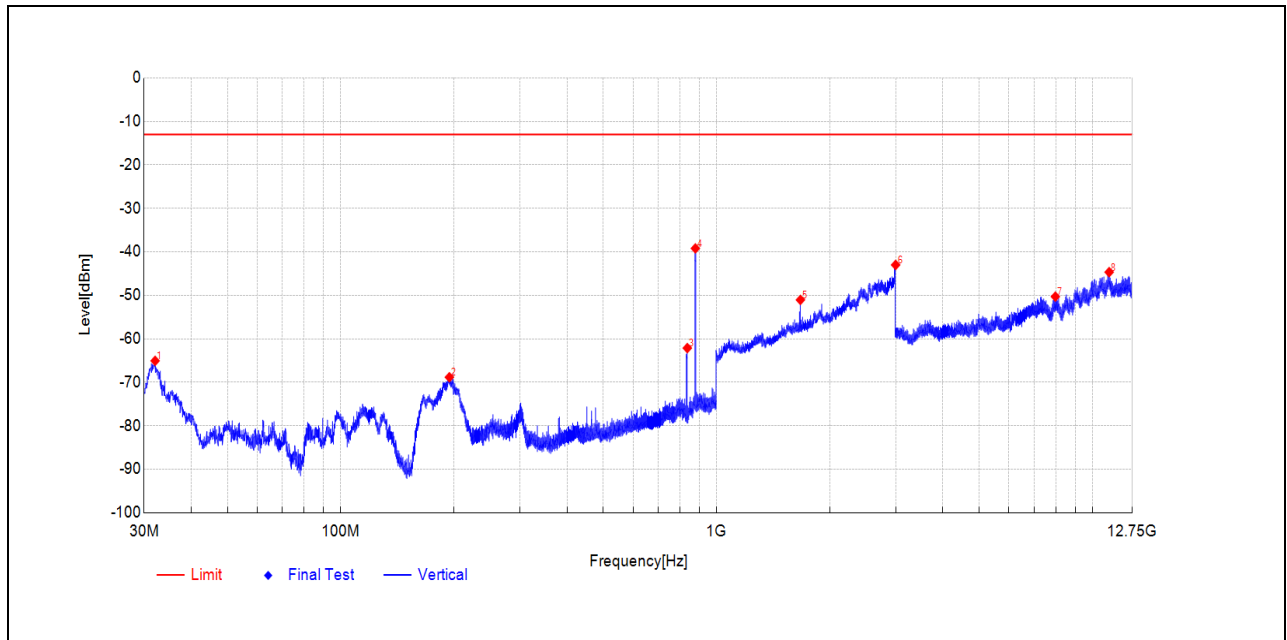


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	33.9287	-55.13	-70.32	-15.2	-13.0	57.3	Horizontal	PK	355	PASS
2	195.7813	-44.93	-63.27	-18.3	-13.0	50.3	Horizontal	PK	33	PASS
3	835.3343	-47.38	-52.94	-5.6	-	-	Horizontal	PK	163	NA
4	879.6655	-43.91	-48.66	-4.8	-	-	Horizontal	PK	141	NA
5	1672.1344	-47.82	-45.32	2.5	-13.0	32.3	Horizontal	PK	212	PASS
6	2999.5999	-59.66	-44.63	15.0	-13.0	31.6	Horizontal	PK	46	PASS
7	7269.251	-62.07	-49.54	12.5	-13.0	36.5	Horizontal	PK	163	PASS
8	12542.3146	-68.54	-45.20	23.3	-13.0	32.2	Horizontal	PK	55	PASS

WCDMA B5 Mid H





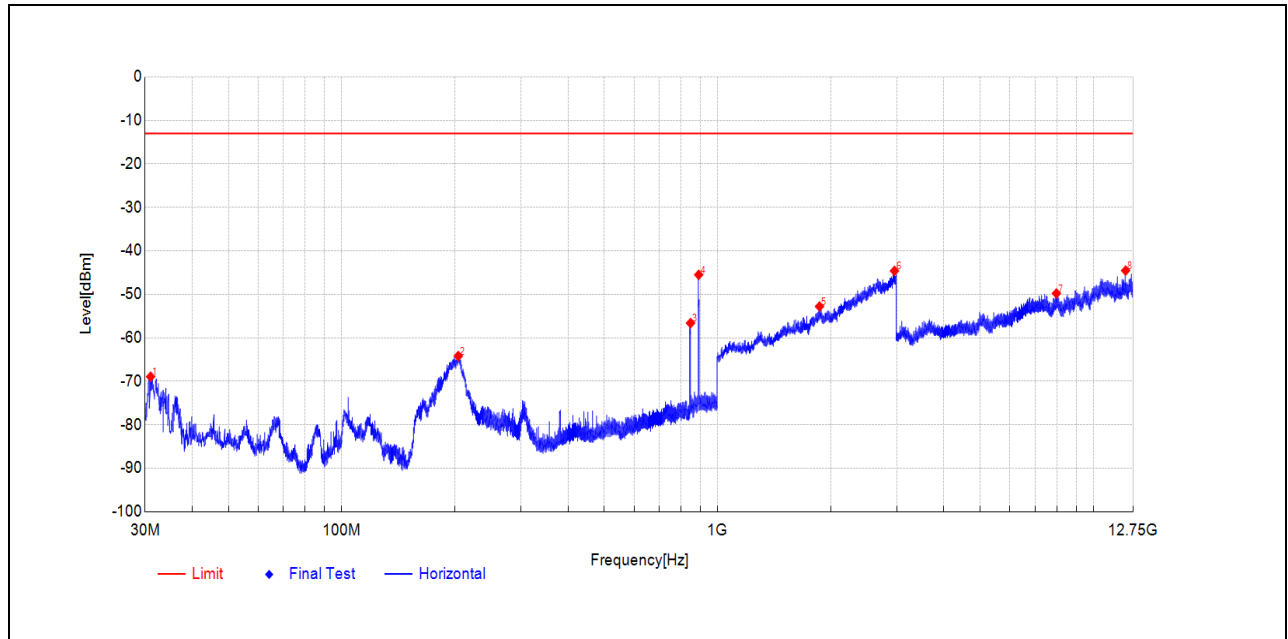
Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	32.0856	-40.55	-65.05	-24.5	-13.0	52.1	Vertical	PK	56	PASS
2	194.6172	-47.23	-68.83	-21.6	-13.0	55.8	Vertical	PK	184	PASS
3	836.1588	-56.29	-62.12	-5.8	-	-	Vertical	PK	227	NA
4	878.4529	-34.65	-39.19	-4.5	-	-	Vertical	PK	269	NA
5	1672.1344	-53.77	-51.04	2.7	-13.0	38.0	Vertical	PK	294	PASS
6	2995.9992	-59.82	-43.00	16.8	-13.0	30.0	Vertical	PK	170	PASS
7	7971.7736	-63.15	-50.28	12.9	-13.0	37.3	Vertical	PK	269	PASS
8	11084.6167	-67.00	-44.66	22.3	-13.0	31.7	Vertical	PK	15	PASS

WCDMA B5 Mid V



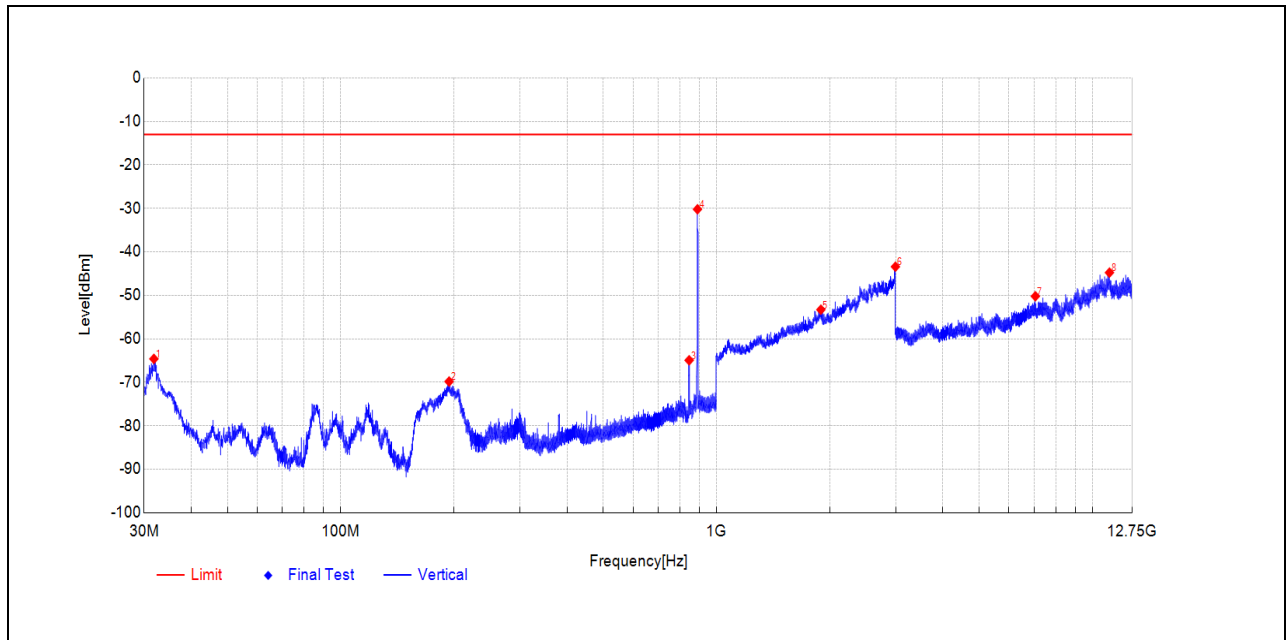
Ant2



Data List										
No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	31.0186	-53.77	-68.94	-15.2	-13.0	55.9	Horizontal	PK	292	PASS
2	204.2692	-47.30	-64.18	-16.9	-13.0	51.2	Horizontal	PK	206	PASS
3	847.6054	-51.39	-56.61	-5.2	-	-	Horizontal	PK	355	NA
4	891.1606	-40.81	-45.50	-4.7	-	-	Horizontal	PK	39	NA
5	1868.1736	-58.37	-52.78	5.6	-13.0	39.8	Horizontal	PK	254	PASS
6	2956.7914	-59.72	-44.59	15.1	-13.0	31.6	Horizontal	PK	254	PASS
7	7975.1863	-63.11	-49.79	13.3	-13.0	36.8	Horizontal	PK	206	PASS
8	12183.4967	-66.30	-44.52	21.8	-13.0	31.5	Horizontal	PK	100	PASS

WCDMA B5 High H



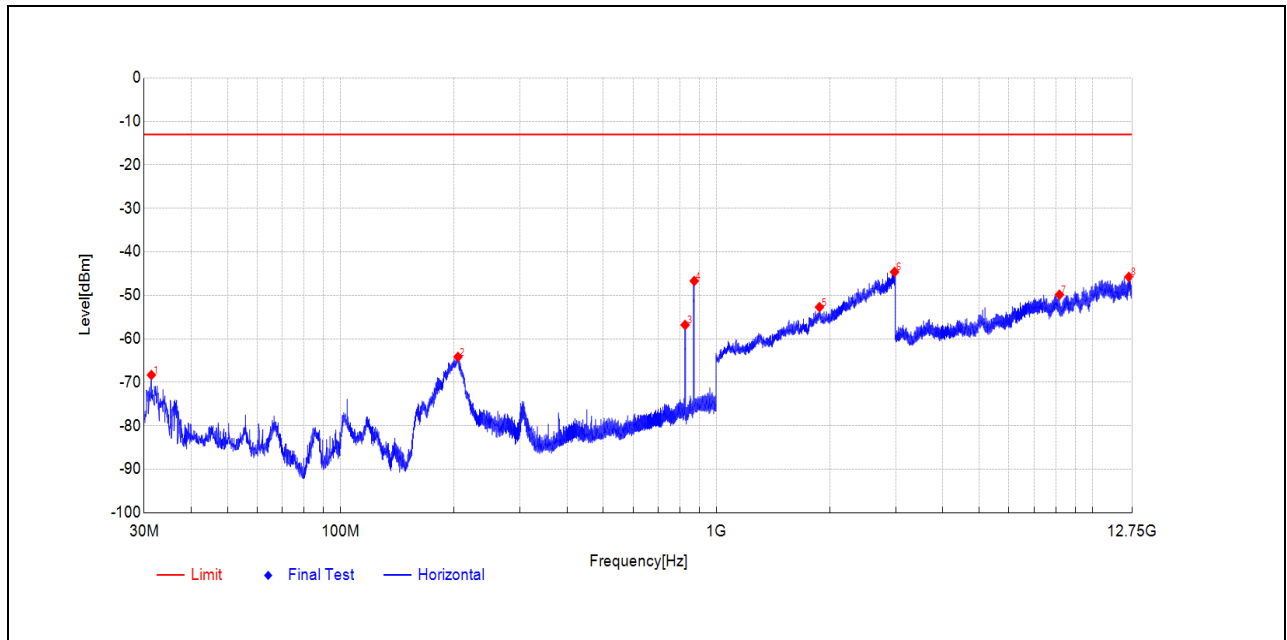


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	31.8431	-40.03	-64.61	-24.6	-13.0	51.6	Vertical	PK	290	PASS
2	194.3262	-48.20	-69.82	-21.6	-13.0	56.8	Vertical	PK	184	PASS
3	845.5198	-59.33	-64.93	-5.6	-	-	Vertical	PK	334	NA
4	889.948	-25.74	-30.19	-4.5	-	-	Vertical	PK	355	NA
5	1895.3791	-59.18	-53.29	5.9	-13.0	40.3	Vertical	PK	109	PASS
6	2992.7986	-59.86	-43.40	16.5	-13.0	30.4	Vertical	PK	296	PASS
7	7053.2777	-61.31	-50.20	11.1	-13.0	37.2	Vertical	PK	143	PASS
8	11105.5803	-67.09	-44.76	22.3	-13.0	31.8	Vertical	PK	184	PASS

WCDMA B5 High V



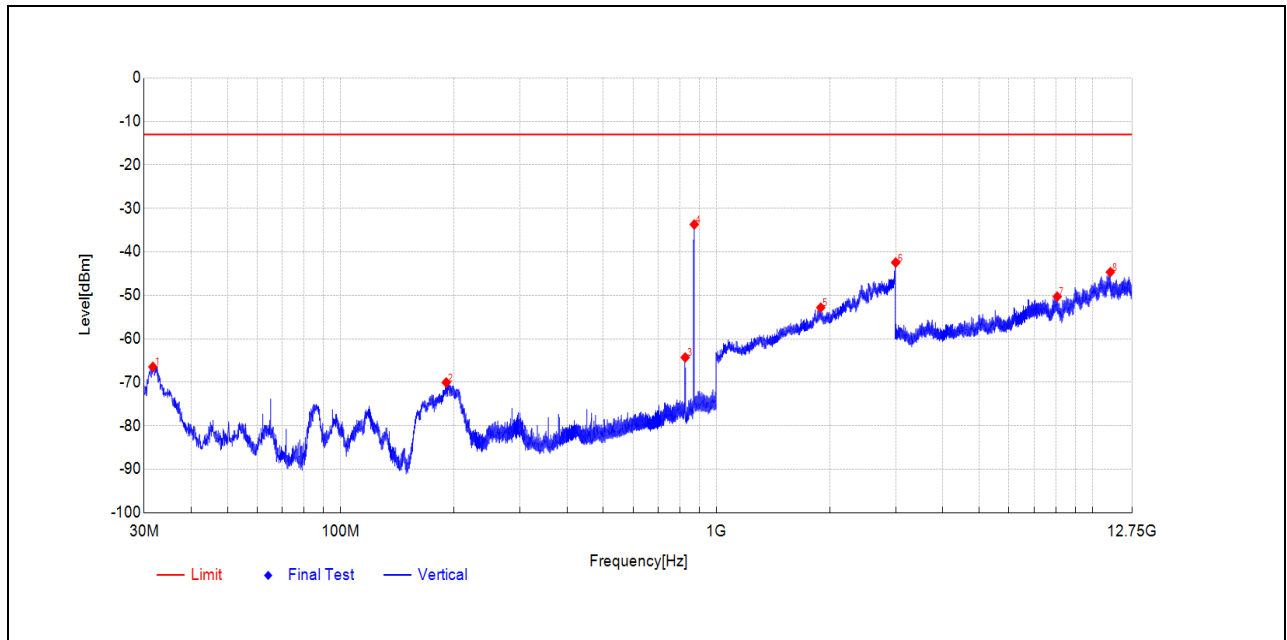


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	31.3581	-53.14	-68.31	-15.2	-13.0	55.3	Horizontal	PK	128	PASS
2	205.1908	-47.43	-64.16	-16.7	-13.0	51.2	Horizontal	PK	210	PASS
3	824.8577	-51.01	-56.80	-5.8	-	-	Horizontal	PK	106	NA
4	872.5356	-41.87	-46.70	-4.8	-	-	Horizontal	PK	66	NA
5	1878.9758	-58.74	-52.70	6.0	-13.0	39.7	Horizontal	PK	339	PASS
6	2975.9952	-59.36	-44.61	14.8	-13.0	31.6	Horizontal	PK	88	PASS
7	8174.5837	-63.23	-49.85	13.4	-13.0	36.9	Horizontal	PK	3	PASS
8	12507.7004	-69.16	-45.75	23.4	-13.0	32.8	Horizontal	PK	148	PASS

WCDMA B5 Low H



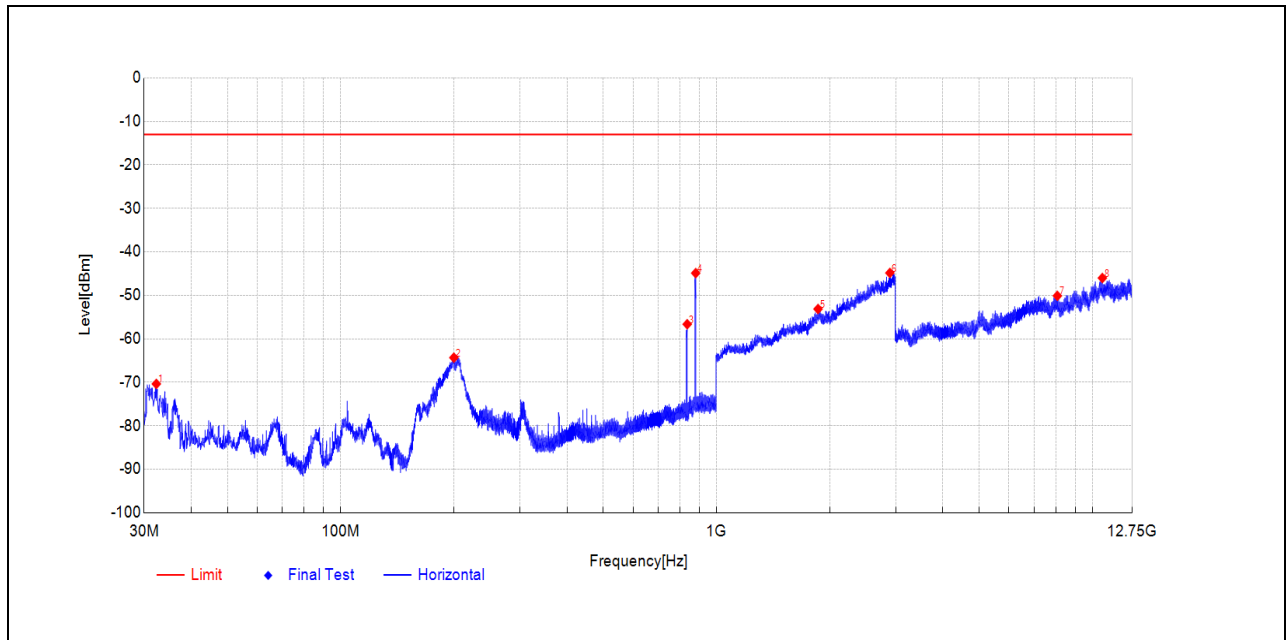


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	31.6491	-41.81	-66.45	-24.6	-13.0	53.5	Vertical	PK	186	PASS
2	190.8825	-48.22	-70.04	-21.8	-13.0	57.0	Vertical	PK	227	PASS
3	825.3913	-58.36	-64.28	-5.9	-	-	Vertical	PK	1	NA
4	872.5356	-28.95	-33.69	-4.7	-	-	Vertical	PK	62	NA
5	1893.7788	-58.70	-52.81	5.9	-13.0	39.8	Vertical	PK	318	PASS
6	2997.1994	-59.40	-42.45	17.0	-13.0	29.5	Vertical	PK	193	PASS
7	8061.9656	-63.28	-50.28	13.0	-13.0	37.3	Vertical	PK	290	PASS
8	11163.5957	-66.16	-44.65	21.5	-13.0	31.7	Vertical	PK	186	PASS

WCDMA B5 Low V



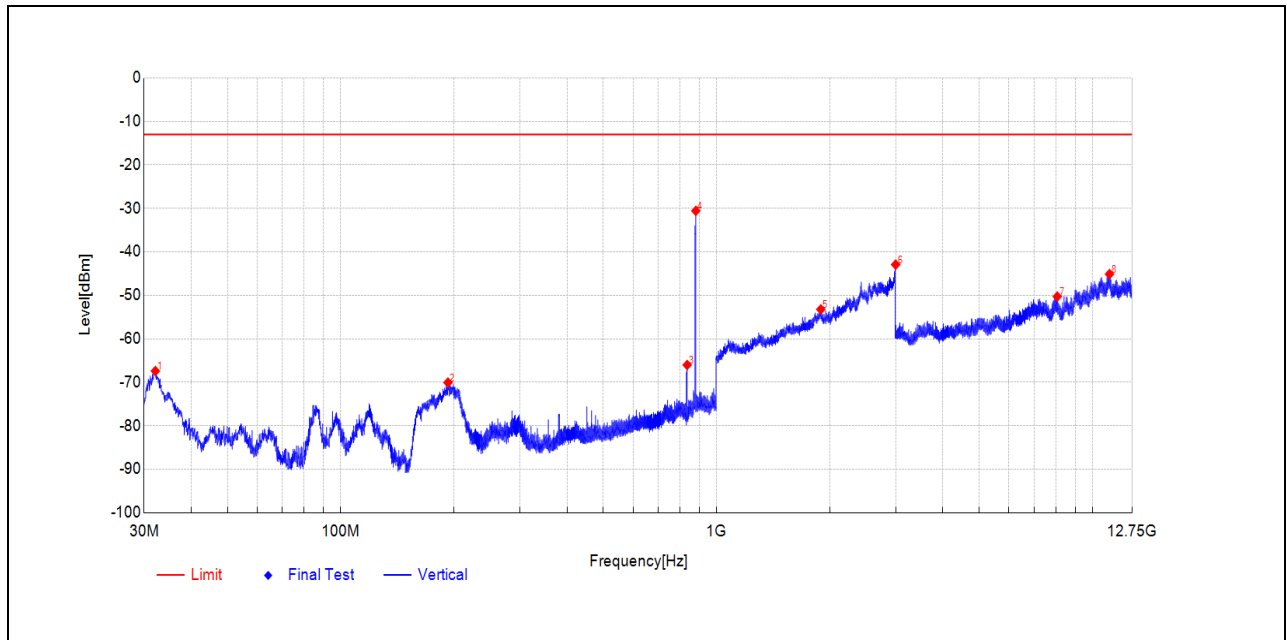


Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	32.3281	-55.19	-70.37	-15.2	-13.0	57.4	Horizontal	PK	333	PASS
2	200.0495	-46.70	-64.33	-17.6	-13.0	51.3	Horizontal	PK	209	PASS
3	835.6738	-51.08	-56.64	-5.6	-	-	Horizontal	PK	104	NA
4	880.199	-40.13	-44.88	-4.8	-	-	Horizontal	PK	43	NA
5	1862.9726	-58.51	-53.14	5.4	-13.0	40.1	Horizontal	PK	358	PASS
6	2892.3785	-58.77	-44.84	13.9	-13.0	31.8	Horizontal	PK	317	PASS
7	8071.2286	-63.61	-50.11	13.5	-13.0	37.1	Horizontal	PK	22	PASS
8	10633.1692	-65.31	-46.01	19.3	-13.0	33.0	Horizontal	PK	229	PASS

WCDMA B5 Mid H





Data List

No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Angle [°]	Verdict
1	32.1341	-42.93	-67.41	-24.5	-13.0	54.4	Vertical	PK	290	PASS
2	192.9681	-48.36	-70.06	-21.7	-13.0	57.1	Vertical	PK	187	PASS
3	835.3828	-60.17	-66.01	-5.8	-	-	Vertical	PK	41	NA
4	880.9265	-26.08	-30.56	-4.5	-	-	Vertical	PK	355	NA
5	1894.1788	-59.11	-53.22	5.9	-13.0	40.2	Vertical	PK	191	PASS
6	2996.3993	-59.80	-42.93	16.9	-13.0	29.9	Vertical	PK	232	PASS
7	8065.3783	-63.27	-50.27	13.0	-13.0	37.3	Vertical	PK	20	PASS
8	11107.5304	-67.41	-45.11	22.3	-13.0	32.1	Vertical	PK	333	PASS

WCDMA B5 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.1-3, 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	2025.05.15	2026.05.14
Communication Test Station	6200995016	MT8820C	Anritsu	2025.09.02	2026.09.01
Temperature Chamber	S022177101 00089002	KMT-36LF 1A0	KOMEG	2025.09.03	2026.09.01

4.2 List of Software Used

Description	Manufacturer	Software Version
JS36-RSE	Tonscend	5.0.0

4.3 Radiated Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
System Simulator	152038	CMW500	R&S	2025.09.03	2026.09.02
Receiver	MY56060145	N9020A	Agilent	2025.05.13	2026.05.12
Test Antenna – Loop	FMZB 1519	1519-022	Schwarzbeck	2025.05.16	2026.05.15
Test Antenna - Bi-Log	9163-274	VULB 9163	Schwarzbeck	2025.06.28	2026.06.27
Test Antenna - Horn	9120D-963	BBHA 9120D	Schwarzbeck	2025.05.16	2026.05.15
Test Antenna - Horn	BBHA9170	BBHA9170#7 73	Schwarzbeck	2025.06.20	2026.06.19
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-K K-0.5	Qualwave	2025.09.03	2026.09.02
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-K KF-2	Qualwave	2025.09.03	2026.09.02
Preamplifier	46732	S10M100L38	LUCIX CORP.	2025.05.13	2026.05.12





(10MHz-6GHz)		02			
Preamplifier (2GHz-18GHz)	61171/61172	S020180L32 03	LUCIX CORP.	2025.05.13	2026.05.12
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118- 40C-S	Decentest	2025.05.13	2026.05.12
Notch Filter	N/A	WRCG-GSM 850	Wainwright	N/A	N/A
Notch Filter	N/A	WRCG-GSM 1900	Wainwright	N/A	N/A
Notch Filter	N/A	WRCGV-W Band II	Wainwright	N/A	N/A
Notch Filter	N/A	WRCGV-W Band IV	Wainwright	N/A	N/A
Notch Filter	N/A	WRCGV-W Band V	Wainwright	N/A	N/A
Anechoic Chamber	N/A	9m*6m*6m	CRT	2025.06.21	2028.06.20
Anechoic Chamber	N/A	9m*6m*6m	CRT	2025.04.19	2028.04.18





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 _____

