



REPORT No.: SZ24100003W07

TEST REPORT

APPLICANT : JP Morgan Chase Bank N.A

PRODUCT NAME : PAYPAD_801_GEN1

MODEL NAME : BLADE_801_GEN1

BRAND NAME : Chase

FCC ID : 2BHXP-BLAD08AA

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 : 2025-01-10

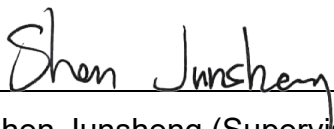
TEST DATE : 2025-01-17 to 2025-04-21

ISSUE DATE : 2025-05-08

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Change History		
Version	Date	Reason for change
1.0	2025-05-08	First edition





1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	JP Morgan Chase Bank N.A
Applicant Address:	70 Fargo St, Boston, MA, USA 02210
Manufacturer:	JP Morgan Chase Bank N.A
Manufacturer Address:	70 Fargo St, Boston, MA, USA 02210

1.2. Equipment Under Test (EUT) Description

Product Name:	PAYPAD_801_GEN1	
Sample No.:	1#, 3#	
Hardware Version:	PVT	
Software Version:	BLADE_801_GEN1.BE2M.20250403+	
Modulation Type:	GPRS Mode with GMSK Modulation EDGE Mode with 8PSK Modulation 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:	GSM 850MHz	Tx: 824MHz-849MHz Rx: 869MHz-894MHz
	GSM 1900MHz	Tx: 1850MHz-1910MHz Rx: 1930MHz-1990MHz
	WCDMA Band XIX	Tx: 830MHz-845MHz Rx: 875MHz-890MHz
	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:	GSM 850:	-1.08dBi
	GSM1900:	1.55dBi
	WCDMA Band XIX	-1.19dBi
	WCDMA Band V:	-1.08dBi
	WCDMA Band IV:	0.13dBi
	WCDMA Band II:	1.55dBi
Accessory Information:	Battery	
	Brand Name:	Chase
	Model No.:	860010
	Serial No.:	N/A
	Capacity:	6150mAh
	Rated Voltage:	3.85V
	Charge Limit:	4.4V
	Manufacturer:	Shenzhen GUANGWEI Electronic Technology Co., Ltd.
	USB Cable	
	Model No.:	HC-0412

Note 1: There is no test for WCDMA Band XIX due to the band is completely covered by WCDMA Band V and its power level setting also less than WCDMA Band V.

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

Note 3: 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 4: 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 5: 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 6: 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 7: 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 8: 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:

EDGE mode for GSM 850;

EDGE mode for GSM 1900;

WCDMA mode for WCDMA band V / XIX;

WCDMA mode for WCDMA band IV;

WCDMA mode for WCDMA band II;

Note 9: 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(GPRS)	0.838	244KGXW
GSM850(EDGE)	0.177	246KG7W
GSM850(GPRS)	1.377	244KGXW
GSM1900(EDGE)	0.411	244KG7W
WCDMA Band V	0.099	4M17F9W
WCDMA Band IV	0.213	4M18F9W
WCDMA Band II	0.306	4M17F9W





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	Method Determination/ Remark
1	2.1046	Conducted RF Output Power	Apr. 21, 2025	Yu Xiaoming	PASS	No deviation
2	24.232(d)	Peak -Average Ratio	Jan. 17&22, 2025 Apr. 18, 2025	Gan Jing	PASS	No deviation
3	2.1049	Occupied Bandwidth	Jan. 17&22, 2025 Apr. 18, 2025	Gan Jing	PASS	No deviation
4	2.1055, 22.355, 24.235, 27.54	Frequency Stability	Apr. 21, 2025	Gan Jing	PASS	No deviation
5	2.1051, 22.917(a), 24.238(a), 27.53(h)	Conducted Out of Band Emissions	Jan. 17&22, 2025 Apr. 18, 2025	Gan Jing	PASS	No deviation
6	2.1051, 22.917(a), 24.238(a), 27.53(h)	Band Edge	Jan. 17&22, 2025 Apr. 18, 2025	Gan Jing	PASS	No deviation
7	22.913(a), 24.232(c) 27.50(d)	Transmitter Radiated Power (E.I.P.R./E.R.P.)	Apr. 21, 2025	Gan Jing	PASS	No deviation





8	2.1051, 22.917(a), 24.238(a), 27.53(h)	Radiated Out of Band Emissions	Feb. 20, 2025	Li Hanbin	PASS	No deviation
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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: Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.

Note 3: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.

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

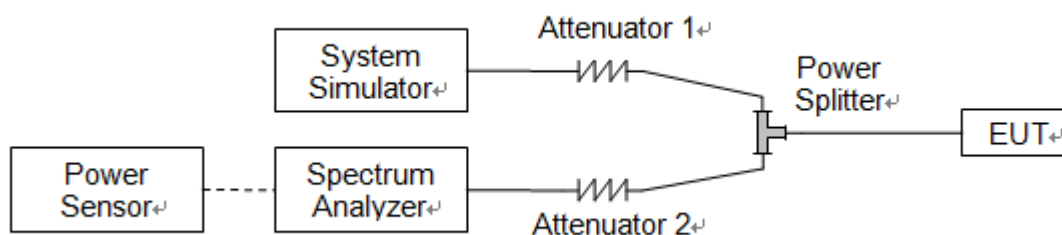
2.1. Conducted RF Output Power

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
GPRS 1 Tx slot	32.42	32.46	32.45
GPRS 2 Tx slots	30.24	30.25	30.27
GPRS 3 Tx slots	28.38	28.39	28.35
GPRS 4 Tx slots	27.15	27.20	27.18
EDGE 1 Tx slot	25.70	25.71	25.67
EDGE 2 Tx slots	24.10	24.13	24.15
EDGE 3 Tx slots	22.69	22.74	22.85
EDGE 4 Tx slots	21.54	21.64	21.60

GSM1900	Average Power (dBm)		
TX Channel	512	661	810
Frequency (MHz)	1850.2	1880	1909.8
GPRS 1 Tx slot	29.84	29.80	29.82
GPRS 2 Tx slots	27.20	27.24	27.23
GPRS 3 Tx slots	25.21	25.23	25.20
GPRS 4 Tx slots	24.15	24.18	24.14
EDGE 1 Tx slot	24.58	24.59	24.55
EDGE 2 Tx slots	23.15	23.20	23.17
EDGE 3 Tx slots	21.55	21.57	21.62
EDGE 4 Tx slots	20.41	20.52	20.55





WCDMA Band V	Average Power (dBm)		
TX Channel	4132	4182	4233
Frequency (MHz)	826.4	836.4	846.6
RMC 12.2Kbps	23.14	23.19	23.18
HSDPA Subtest-1	22.49	22.41	22.41
HSDPA Subtest-2	22.47	22.48	22.39
HSDPA Subtest-3	22.02	21.89	21.91
HSDPA Subtest-4	21.98	21.97	21.83
DC-HSDPA Subtest-1	22.42	22.42	22.35
DC-HSDPA Subtest-2	22.45	22.40	22.37
DC-HSDPA Subtest-3	21.94	21.93	21.85
DC-HSDPA Subtest-4	21.91	21.88	21.86
HSUPA Subtest-1	22.41	22.37	22.30
HSUPA Subtest-2	21.96	21.93	21.87
HSUPA Subtest-3	22.56	22.42	22.39
HSUPA Subtest-4	22.43	22.42	22.34
HSUPA Subtest-5	22.48	22.45	22.41
HSPA+ (16QAM) Subtest-1	22.48	22.45	22.43

WCDMA Band IV	Average Power (dBm)		
TX Channel	1312	1413	1513
Frequency (MHz)	1712.4	1732.6	1752.6
RMC 12.2Kbps	23.09	23.15	23.06
HSDPA Subtest-1	22.26	22.36	22.31
HSDPA Subtest-2	22.34	22.40	22.31
HSDPA Subtest-3	21.74	21.86	21.83
HSDPA Subtest-4	21.73	21.86	21.83
DC-HSDPA Subtest-1	22.24	22.37	22.31
DC-HSDPA Subtest-2	22.21	22.35	22.31
DC-HSDPA Subtest-3	21.74	21.85	21.81
DC-HSDPA Subtest-4	21.71	21.83	21.82
HSUPA Subtest-1	22.22	22.40	22.40
HSUPA Subtest-2	21.66	21.83	21.93
HSUPA Subtest-3	22.77	22.33	22.53
HSUPA Subtest-4	22.24	22.33	22.44
HSUPA Subtest-5	22.19	22.35	22.48
HSPA+ (16QAM) Subtest-1	22.25	22.38	22.36





WCDMA Band II	Average Power (dBm)		
TX Channel	9262	9400	9538
Frequency (MHz)	1852.4	1880.0	1907.6
RMC 12.2Kbps	23.17	23.31	23.25
HSDPA Subtest-1	22.34	22.44	22.35
HSDPA Subtest-2	22.32	22.42	22.35
HSDPA Subtest-3	21.80	21.89	21.83
HSDPA Subtest-4	21.82	21.86	21.86
DC-HSDPA Subtest-1	22.35	22.45	22.34
DC-HSDPA Subtest-2	22.34	22.43	22.34
DC-HSDPA Subtest-3	21.86	21.94	21.84
DC-HSDPA Subtest-4	21.88	21.92	21.83
HSUPA Subtest-1	22.36	22.42	22.31
HSUPA Subtest-2	21.84	21.99	21.81
HSUPA Subtest-3	22.38	22.39	22.28
HSUPA Subtest-4	22.35	22.43	22.34
HSUPA Subtest-5	22.35	22.44	22.29
HSPA+ (16QAM) Subtest-1	22.30	22.34	22.37



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%.



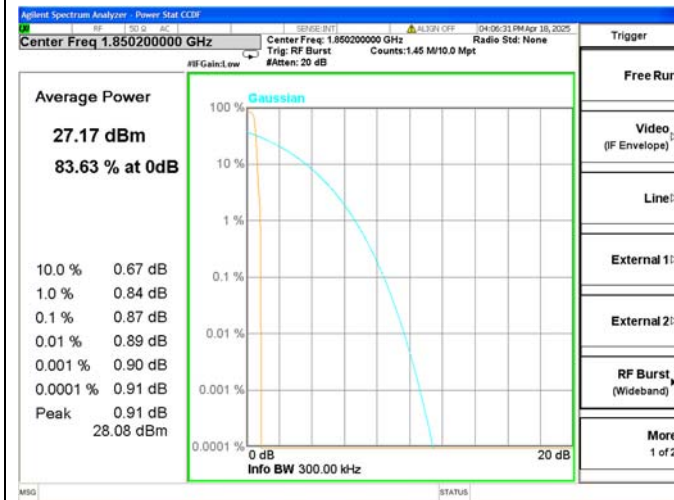
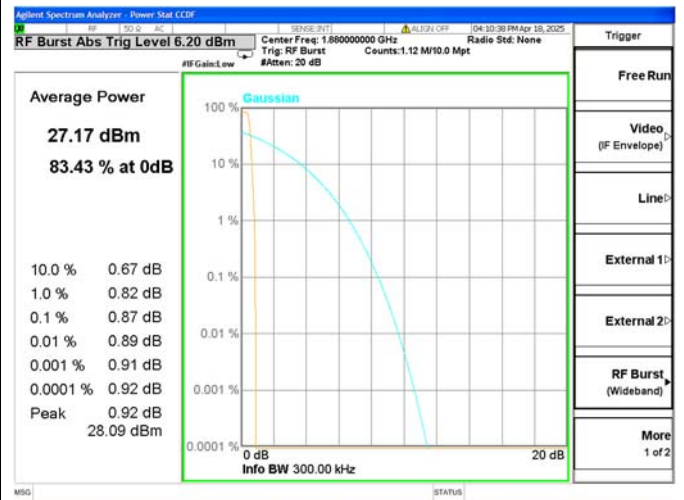
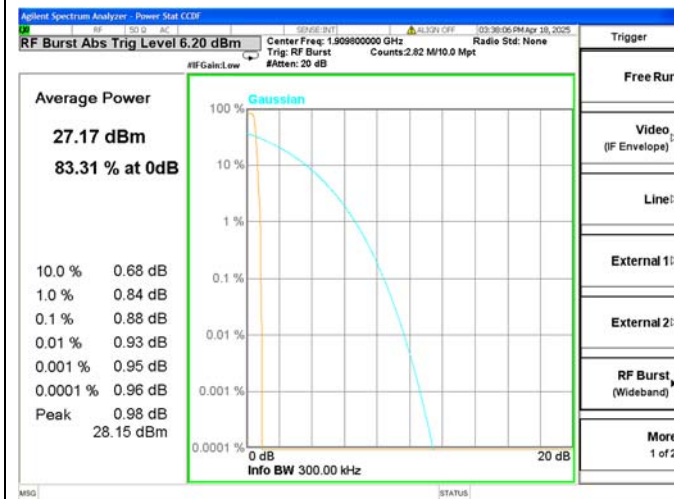
**2.2.4. Test Result****A. Test Verdict:**

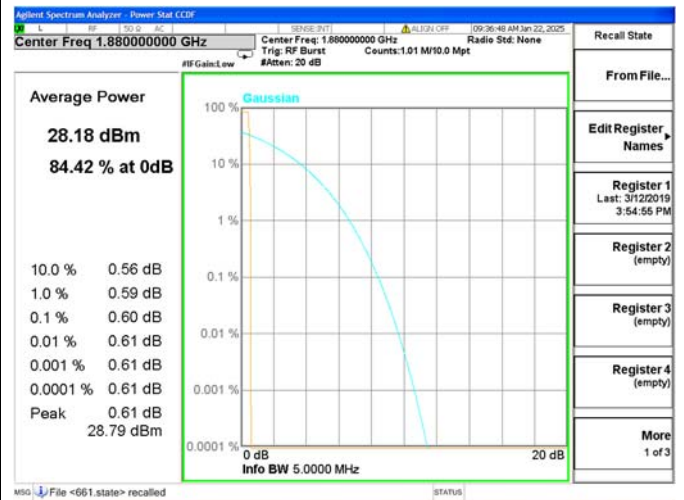
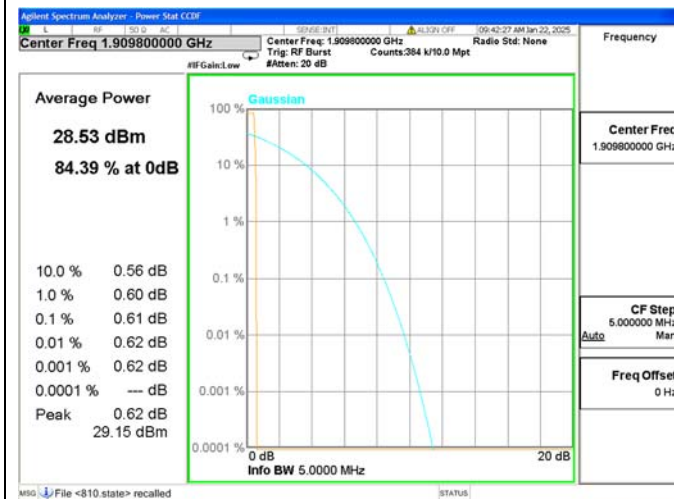
GSM1900					
Mode	Channel	Frequency (MHz)	Peak to Average ratio (dB)	Limit (dB)	Verdict
GSM	512	1850.2	0.87	13	PASS
	661	1880.0	0.87		PASS
	810	1909.8	0.88		PASS
EDGE	512	1850.2	0.62		PASS
	661	1880.0	0.60		PASS
	810	1909.8	0.61		PASS

WCDMA Band IV					
Mode	Channel	Frequency (MHz)	Peak to Average ratio (dB)	Limit (dB)	Verdict
WCDMA	1312	1712.4	3.18	13	PASS
	1413	1732.6	3.11		PASS
	1513	1752.6	3.15		PASS

WCDMA Band II					
Mode	Channel	Frequency (MHz)	Peak to Average ratio (dB)	Limit (dB)	Verdict
WCDMA	9262	1852.4	3.22	13	PASS
	9400	1880.0	3.22		PASS
	9538	1907.6	3.21		PASS



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

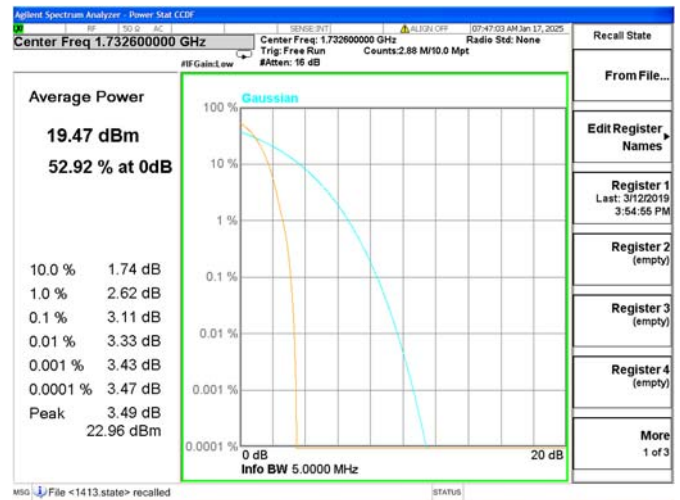
**GSM1900(EDGE), CH512, 1850.2MHz****GSM1900(EDGE), CH661, 1880.0MHz****GSM1900(EDGE), CH810, 1909.8MHz**



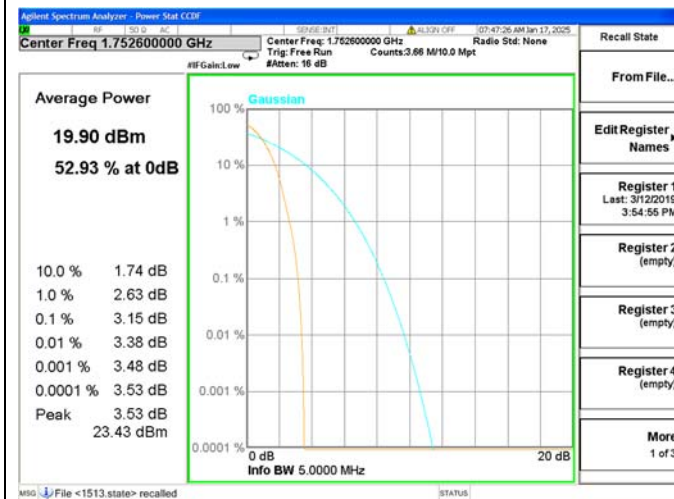
WCDMA Band IV, CH1312, 1712.4MHz



WCDMA Band IV, CH1413, 1732.6MHz

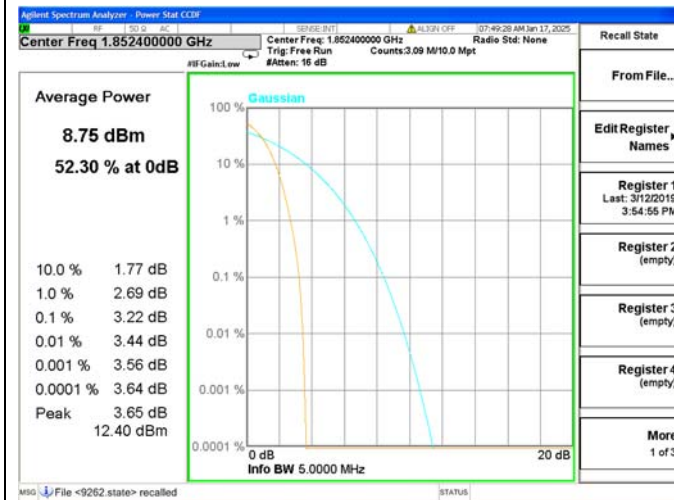


WCDMA Band IV, CH1513, 1752.6MHz

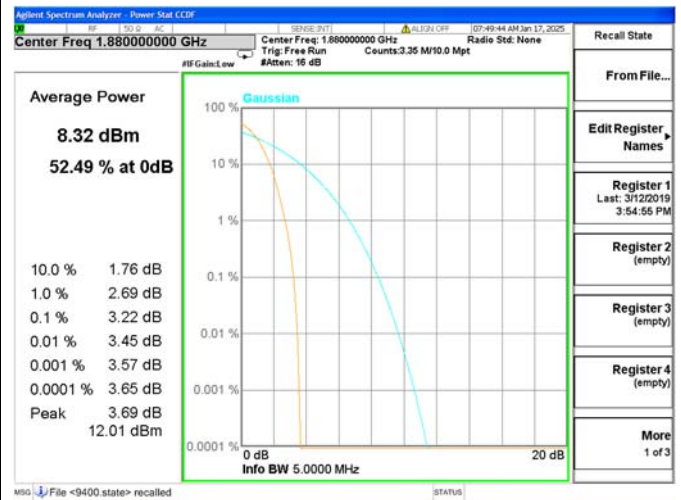




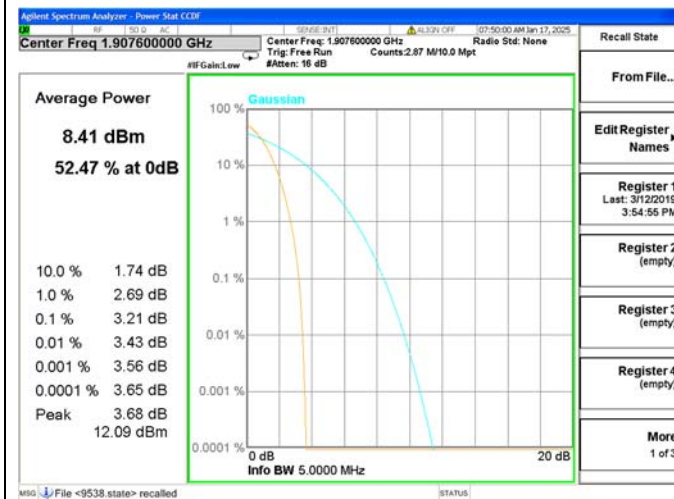
WCDMA Band II, CH9262, 1852.4MHz



WCDMA Band II, CH9400, 1880.0MHz



WCDMA Band II, CH9538, 1907.6MHz



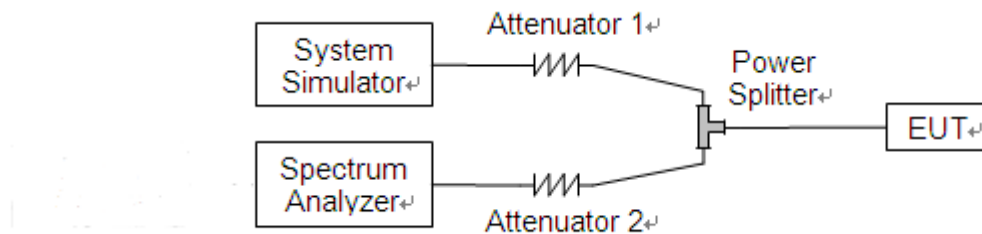
2.3. Occupied Bandwidth

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

GSM850				
Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)
GPRS	128	824.2	243.46	314.80
	189	836.4	244.02	313.30
	251	848.8	242.22	311.50
EDGE	128	824.2	241.46	313.00
	189	836.4	243.31	310.30
	251	848.8	245.64	321.00

GSM1900				
Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)
GPRS	512	1850.2	243.97	315.60
	661	1880.0	242.56	312.40
	810	1909.8	240.83	315.00
EDGE	512	1850.2	243.64	313.30
	661	1880.0	243.61	312.10
	810	1909.8	242.07	313.90

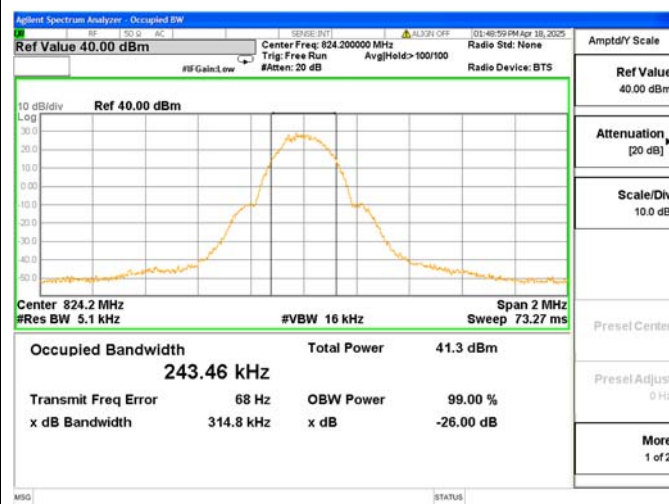
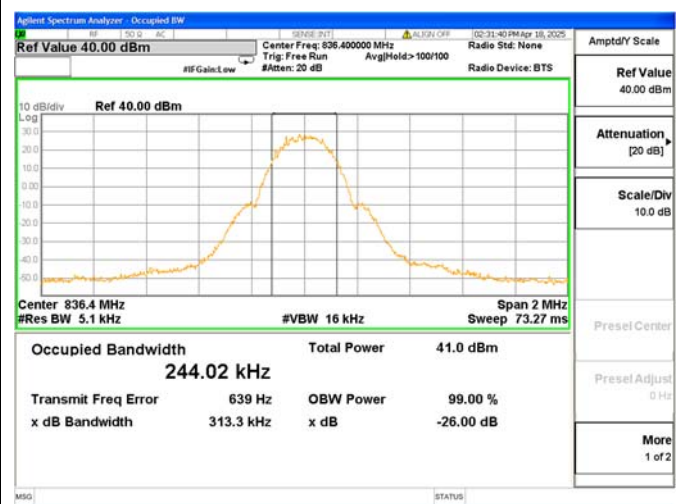
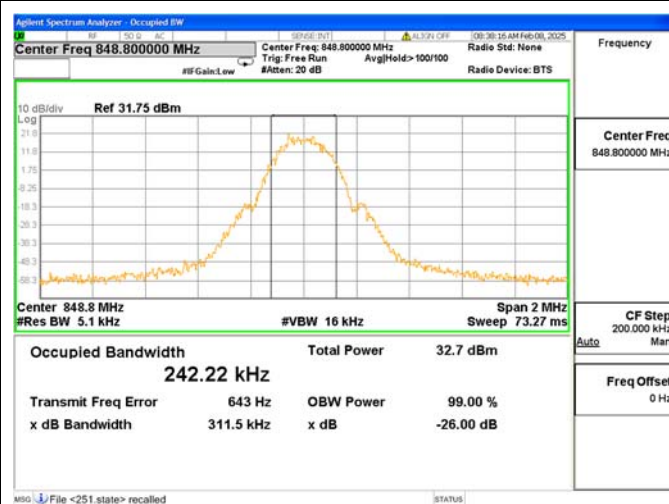
WCDMA Band V				
Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
WCDMA	4132	826.4	4.15	4.71
	4182	836.4	4.17	4.72
	4233	846.6	4.17	4.75

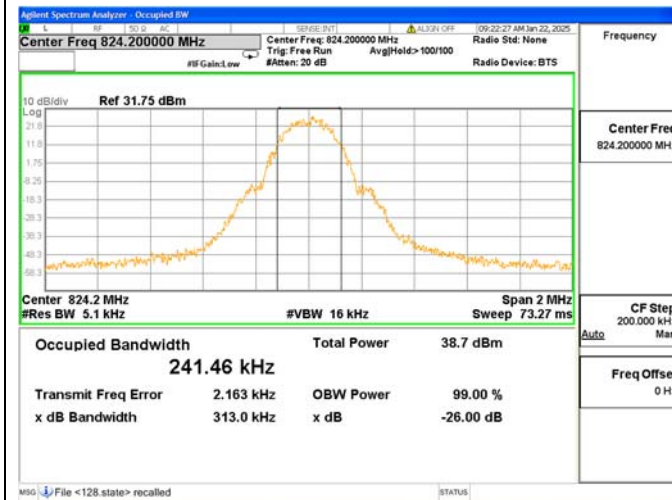
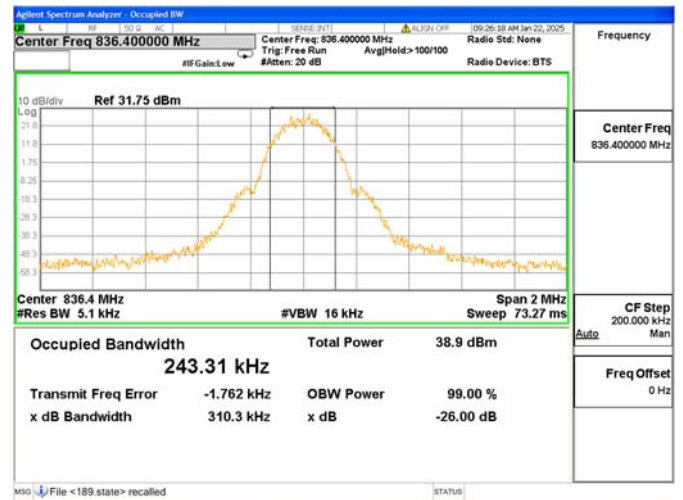
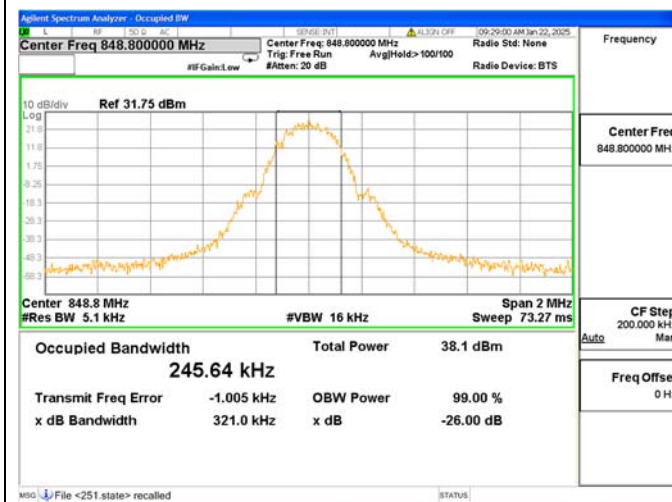
WCDMA Band IV				
Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
WCDMA	1312	1712.4	4.18	4.75
	1413	1732.6	4.15	4.72
	1513	1752.6	4.16	4.72

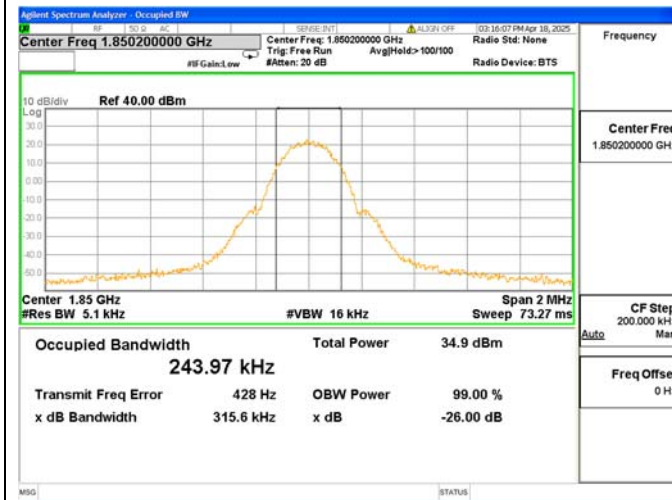
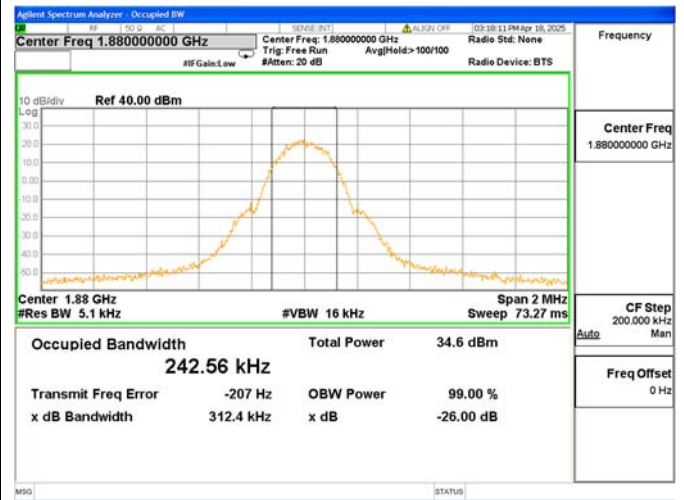
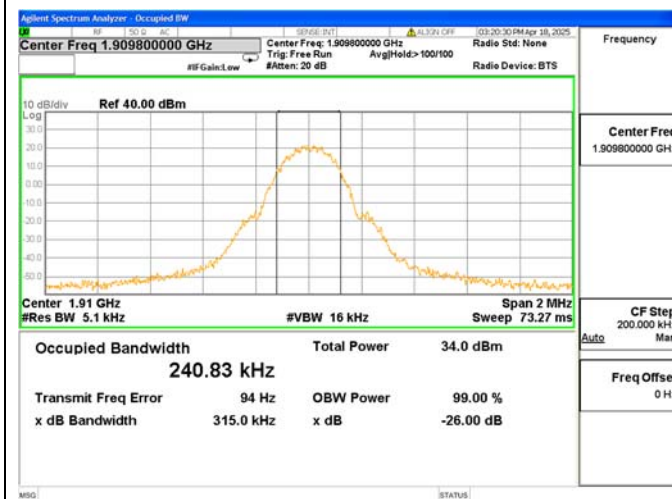


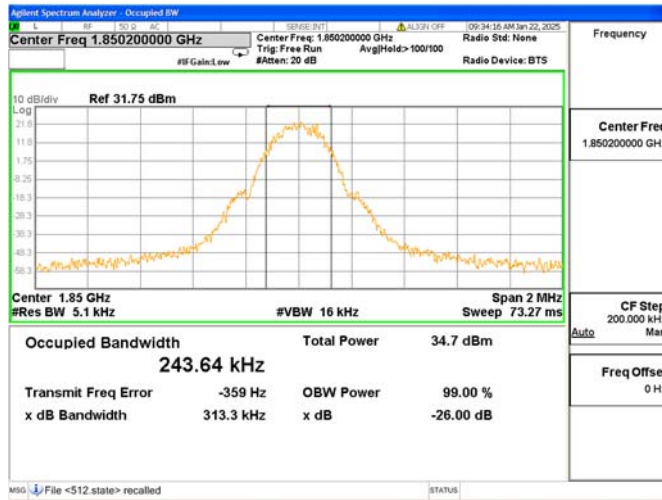
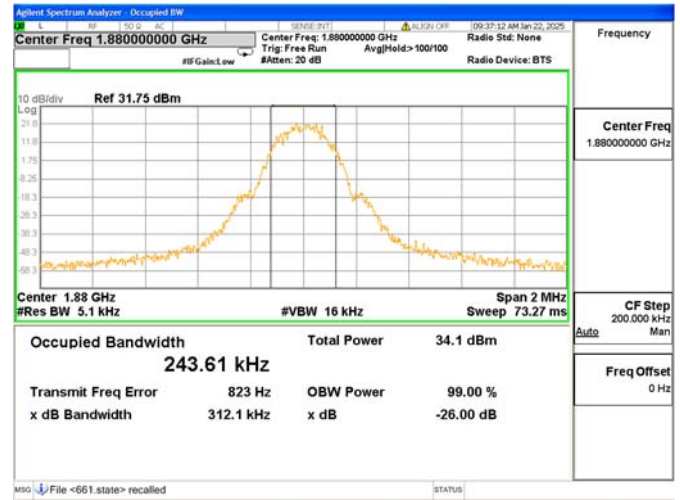
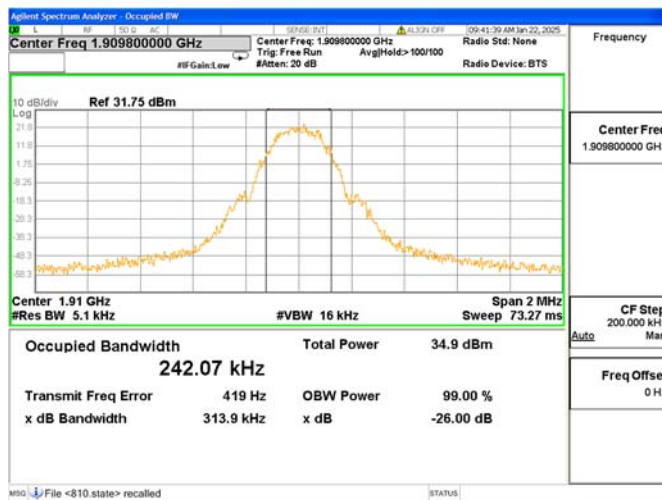


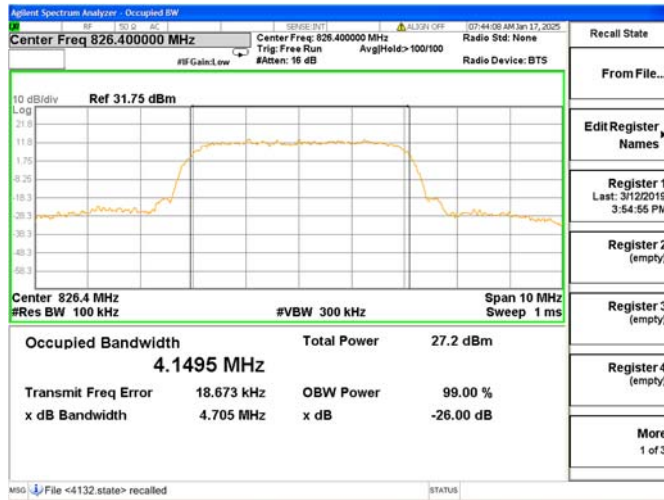
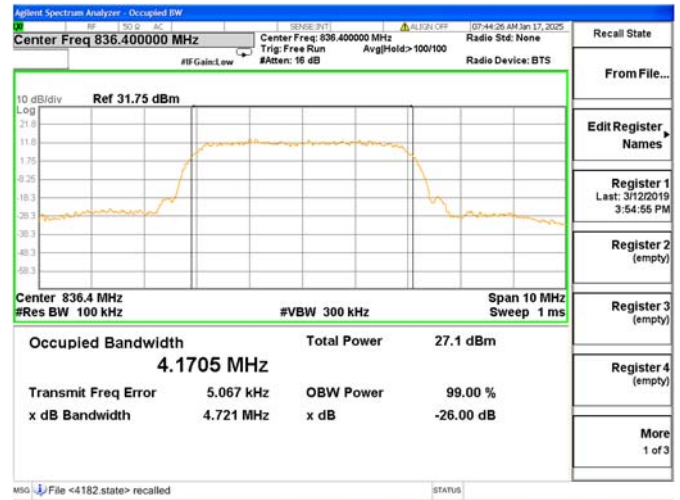
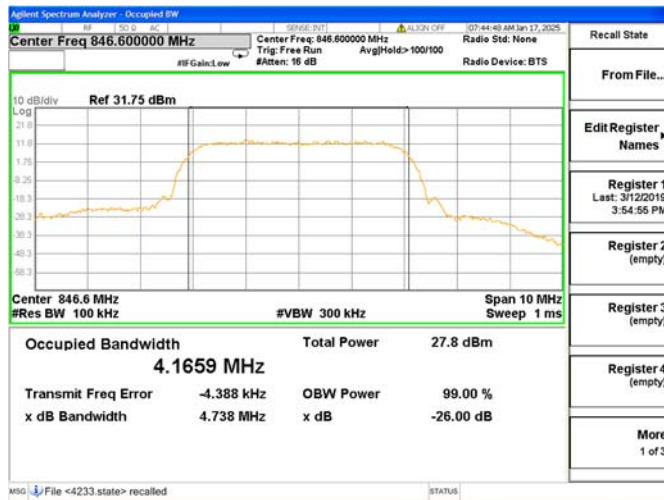
WCDMA Band II				
Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
WCDMA	9262	1852.4	4.16	4.73
	9400	1880.0	4.17	4.73
	9538	1907.6	4.14	4.72

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

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

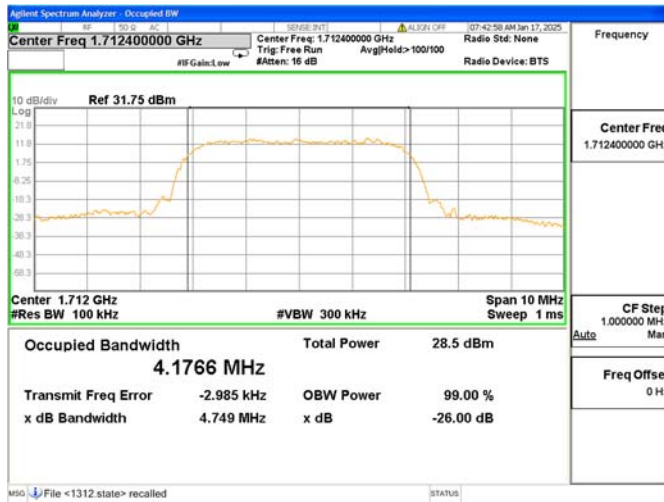
**GSM1900(GPRS), CH512, 1850.2MHz****GSM1900(GPRS), CH661, 1880.0MHz****GSM1900(GPRS), CH810, 1909.8MHz**

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

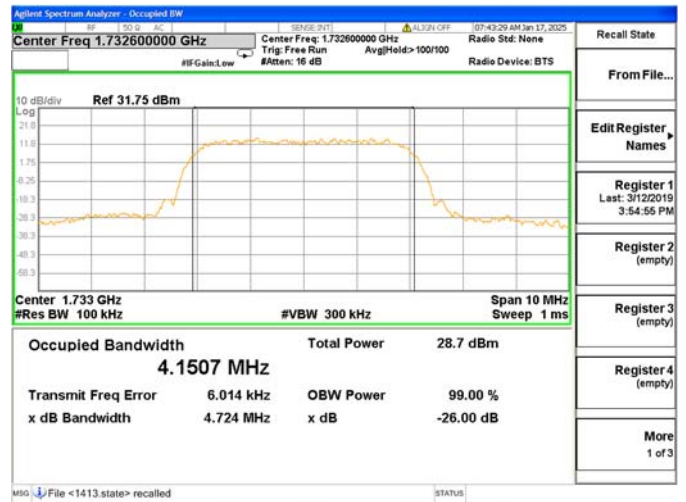
**WCDMA Band V, CH4132, 826.4MHz****WCDMA Band V, CH4182, 836.4MHz****WCDMA Band V, CH4233, 846.6MHz**



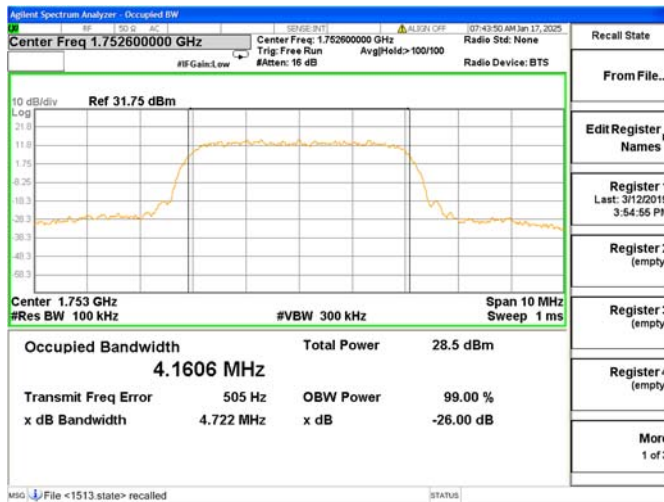
WCDMA Band IV, CH1312, 1712.4MHz

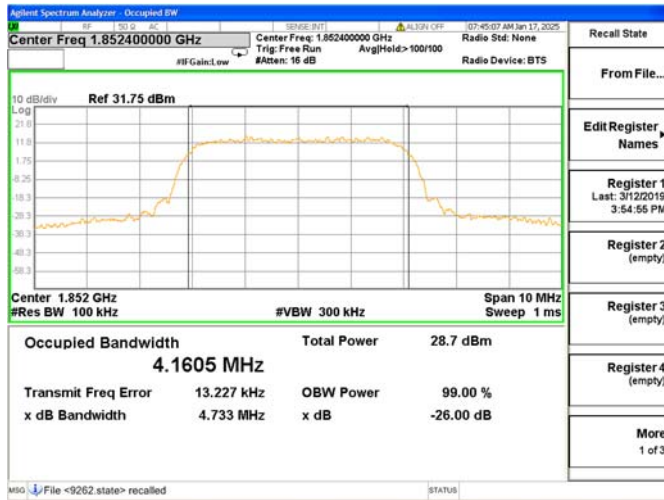
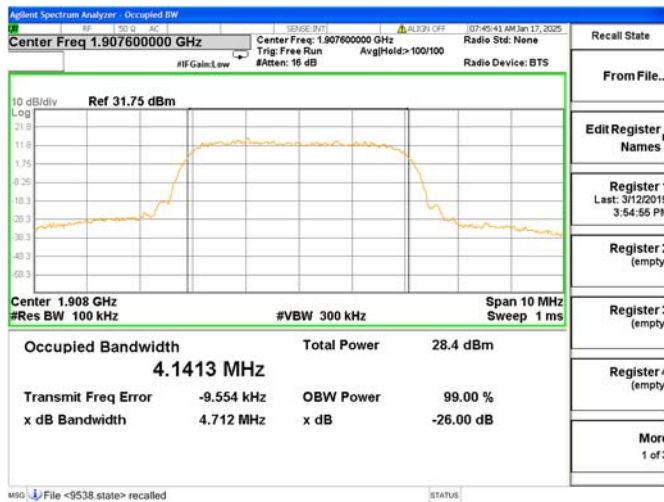


WCDMA Band IV, CH1413, 1732.6MHz



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

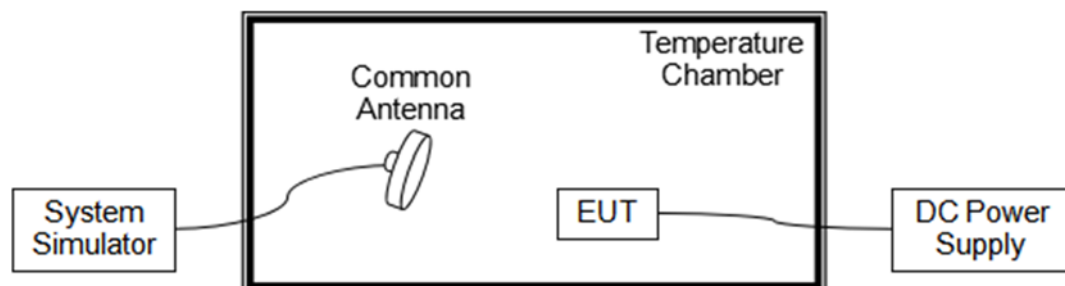
According to FCC section 22.355, 24.235 and 27.54 the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

- (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 -10°C to 50°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 3.85V, 4.4V and 3.6V, which are specified by the applicant; the normal temperature here used is 20°C.

GSM850(GPRS), CH189, 836.4MHz					
Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20(Ref)	-19	-0.023	PASS
Normal		-10	-21	-0.025	
Normal		0	-1	-0.001	
Normal		+10	14	0.017	
Normal		+20	17	0.020	
Normal		+30	5	0.006	
Normal		+40	15	0.018	
Normal		+50	8	0.010	
High	4.4	+20	20	0.024	
BATT.ENDPOINT	3.6	+20	16	0.019	

GSM850(EDGE), CH189, 836.4MHz					
Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20(Ref)	21	0.025	PASS
Normal		-10	10	0.012	
Normal		0	16	0.019	
Normal		+10	20	0.024	
Normal		+20	18	0.022	
Normal		+30	14	0.017	
Normal		+40	17	0.020	
Normal		+50	-20	-0.024	
High	4.4	+20	-21	-0.025	
BATT.ENDPOINT	3.6	+20	5	0.006	





GSM1900(GPRS), CH661, 1880.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20(Ref)	19	0.010	PASS
Normal		-10	20	0.011	
Normal		0	16	0.009	
Normal		+10	14	0.007	
Normal		+20	3	0.002	
Normal		+30	17	0.009	
Normal		+40	14	0.007	
Normal		+50	9	0.005	
High	4.4	+20	14	0.007	
BATT.ENDPOINT	3.6	+20	17	0.009	

GSM1900(EDGE), CH661, 1880.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20(Ref)	18	0.010	PASS
Normal		-10	-19	-0.010	
Normal		0	18	0.010	
Normal		+10	11	0.006	
Normal		+20	17	0.009	
Normal		+30	21	0.011	
Normal		+40	-17	-0.009	
Normal		+50	23	0.012	
High	4.4	+20	9	0.005	
BATT.ENDPOINT	3.6	+20	14	0.007	





WCDMA Band V, CH4182, 836.4MHz					
Limit = $\pm$ 2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20(Ref)	15	0.018	PASS
Normal		-10	20	0.024	
Normal		0	-10	-0.012	
Normal		+10	13	0.016	
Normal		+20	16	0.019	
Normal		+30	19	0.023	
Normal		+40	5	0.006	
Normal		+50	19	0.023	
High	4.4	+20	19	0.023	
BATT.ENDPOINT	3.6	+20	-11	-0.013	

WCDMA Band IV, CH1413, 1732.6MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20(Ref)	-22	-0.013	PASS
Normal		-10	-20	-0.012	
Normal		0	-10	-0.006	
Normal		+10	13	0.008	
Normal		+20	-1	-0.001	
Normal		+30	18	0.010	
Normal		+40	18	0.010	
Normal		+50	20	0.012	
High	4.4	+20	16	0.009	
BATT.ENDPOINT	3.6	+20	-8	-0.005	





WCDMA Band II, CH9400, 1880.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20(Ref)	9	0.005	PASS
Normal		-10	20	0.011	
Normal		0	13	0.007	
Normal		+10	14	0.007	
Normal		+20	-17	-0.009	
Normal		+30	-3	-0.002	
Normal		+40	18	0.010	
Normal		+50	17	0.009	
High	4.4	+20	2	0.001	
BATT.ENDPOINT	3.6	+20	15	0.008	



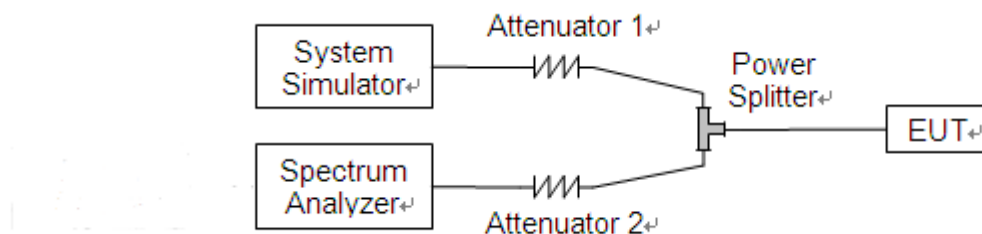
2.5. Conducted Out of Band Emissions

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

GSM850(GPRS), CH128, 824.2MHz



GSM850(GPRS), CH189, 836.4MHz

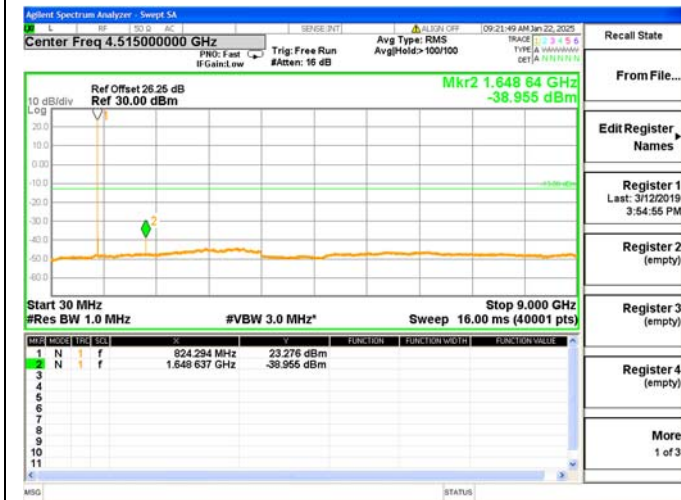


GSM850(GPRS), CH251, 848.8MHz

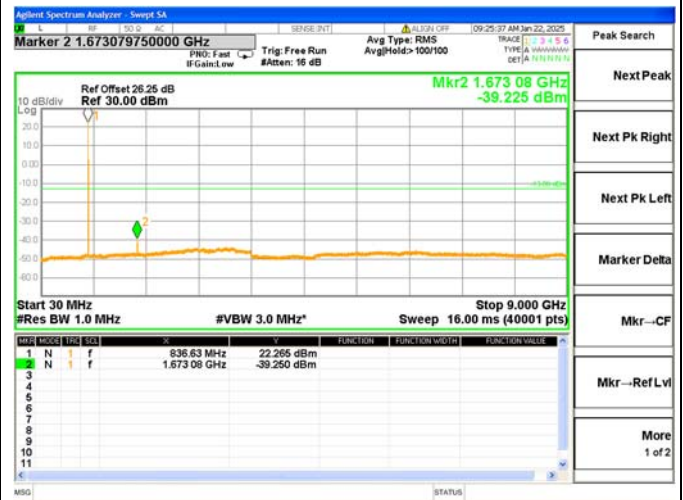




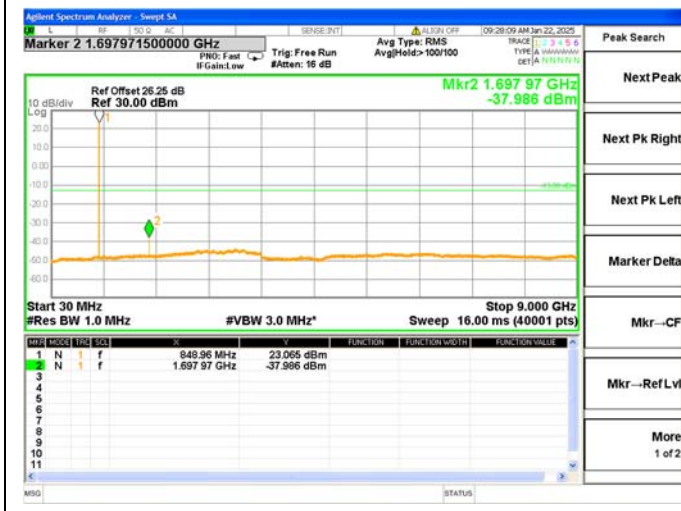
GSM850(EDGE), CH128, 824.2MHz



GSM850(EDGE), CH189, 836.4MHz

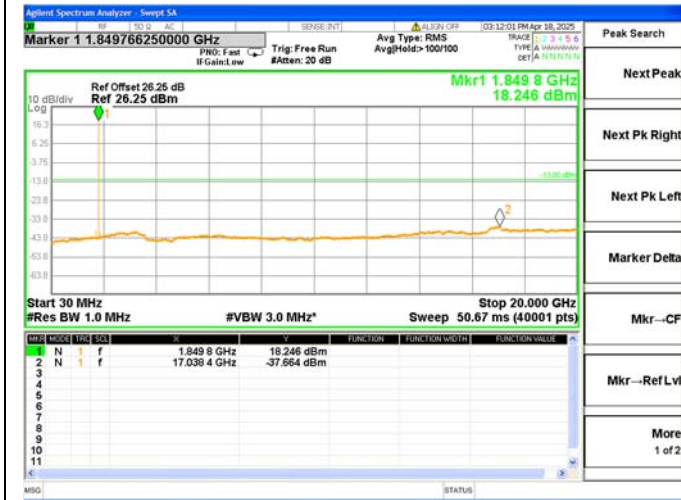


GSM850(EDGE), CH251, 848.8MHz

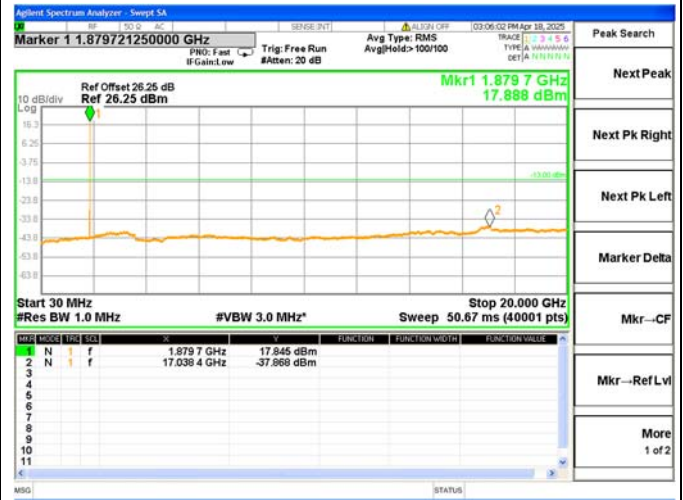




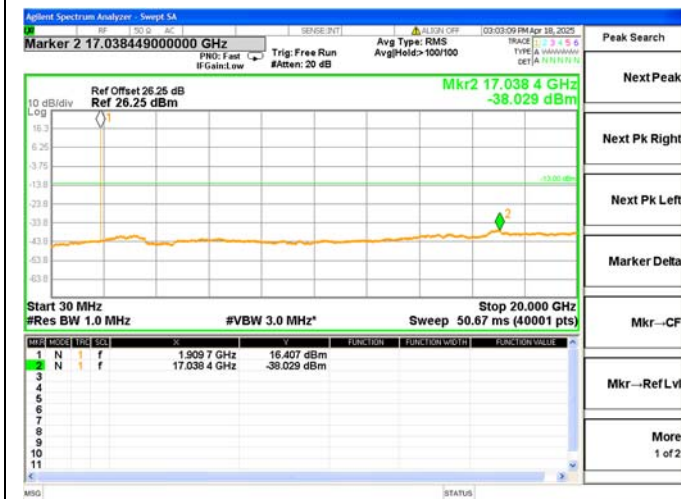
GSM1900(GPRS), CH512, 1850.2MHz



GSM1900(GPRS), CH661, 1880.0MHz

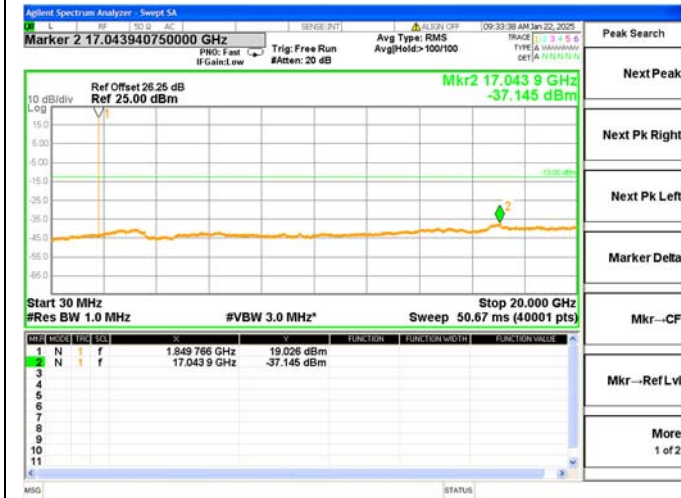


GSM1900(GPRS), CH810, 1909.8MHz

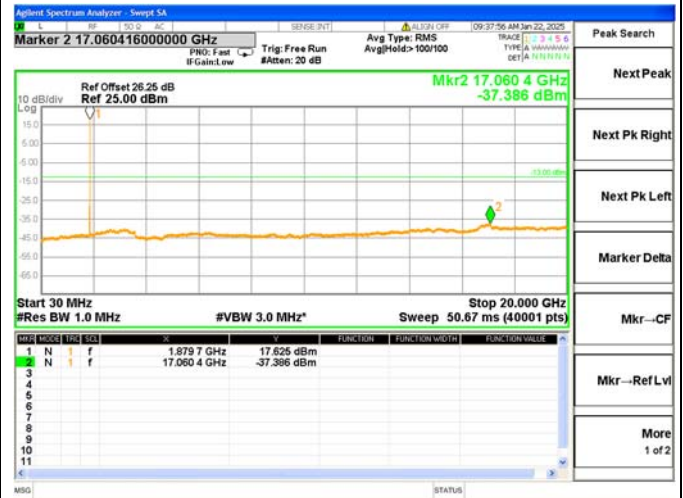




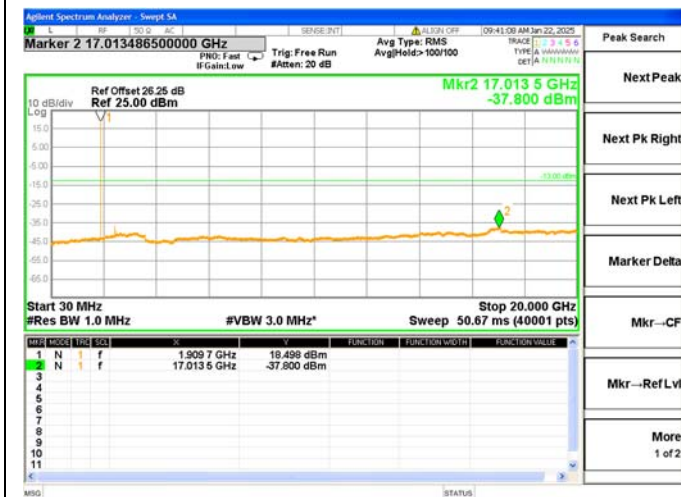
GSM1900(EDGE), CH512, 1850.2MHz



GSM1900(EDGE), CH661, 1880.0MHz

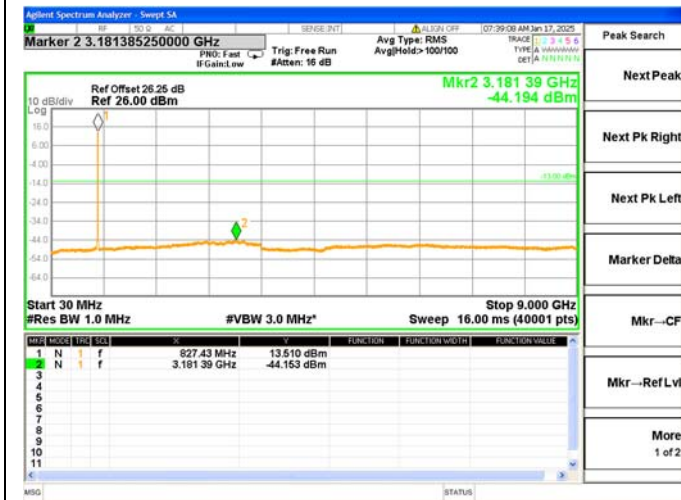


GSM1900(EDGE), CH810, 1909.8MHz





WCDMA Band V, CH4132, 826.4MHz



WCDMA Band V, CH4182, 836.4MHz

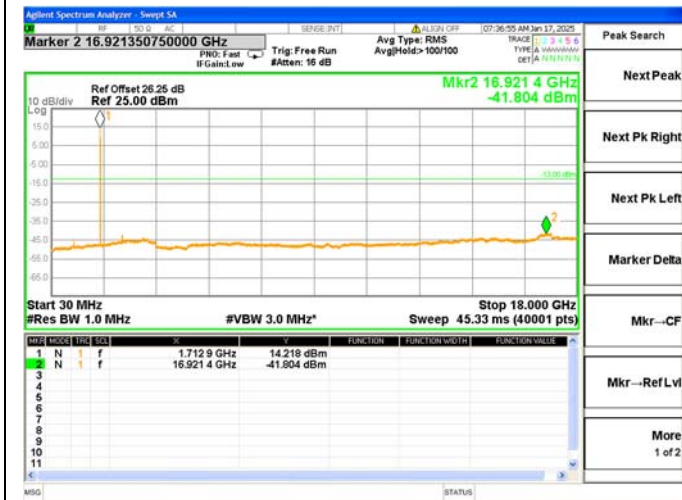


WCDMA Band V, CH4233, 846.6MHz





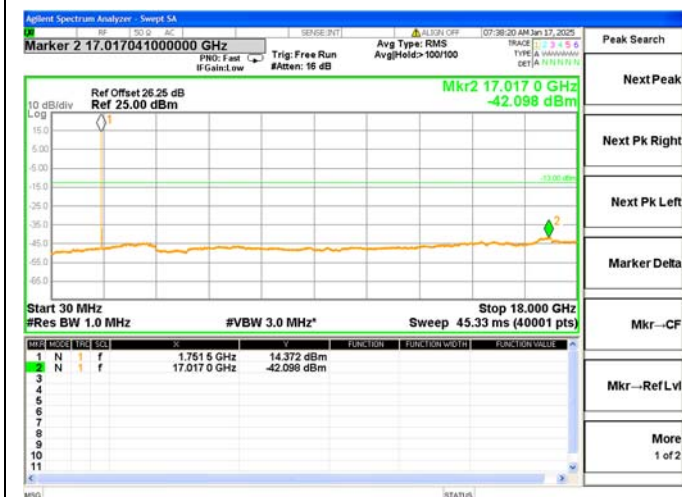
WCDMA Band IV, CH1312, 1712.4MHz



WCDMA Band IV, CH1413, 1732.6MHz

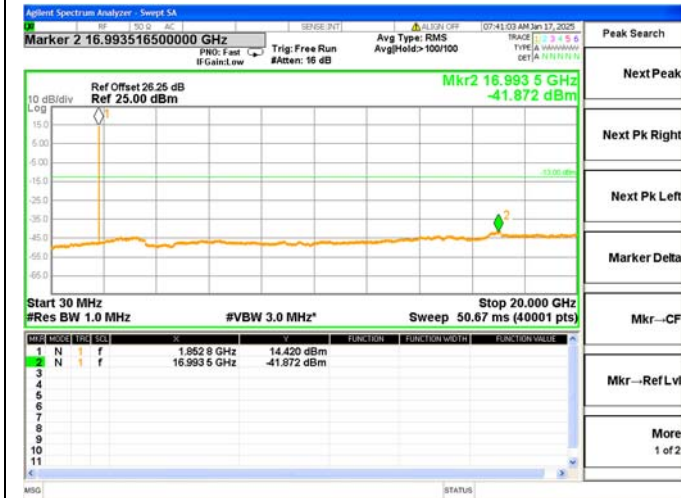


WCDMA Band IV, CH1513, 1752.6MHz

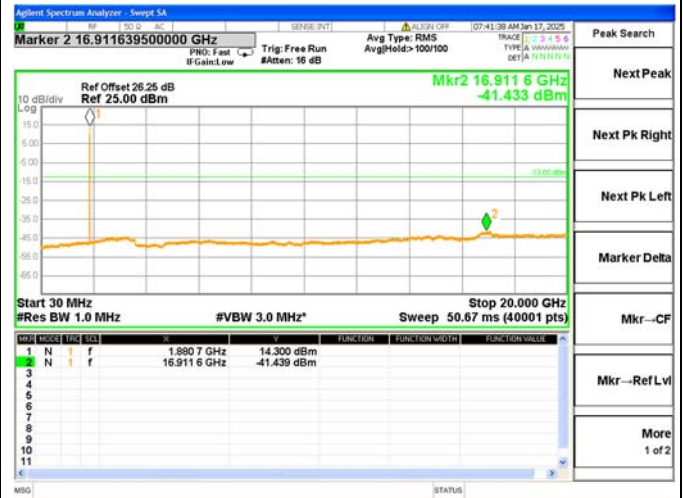




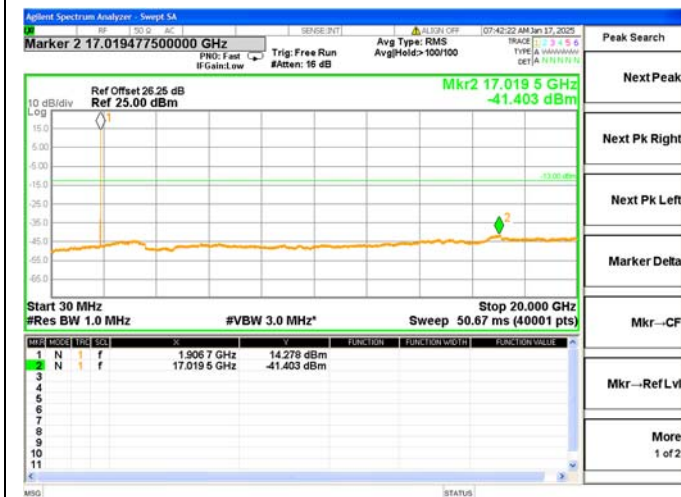
WCDMA Band II, CH9262, 1852.4MHz



WCDMA Band II, CH9400, 1880.0MHz



WCDMA Band II, CH9538, 1907.6MHz



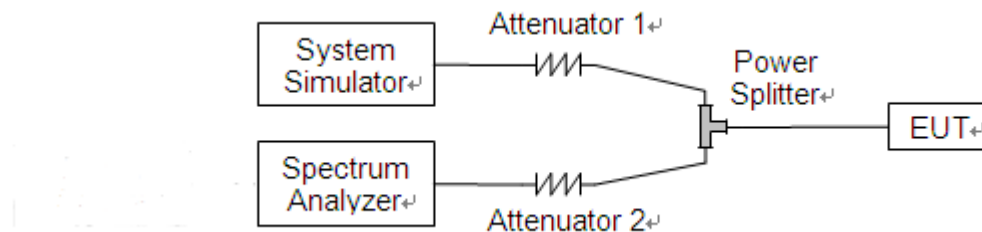
2.6. Band Edge

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

2.6.2. Test Description

Test Setup:



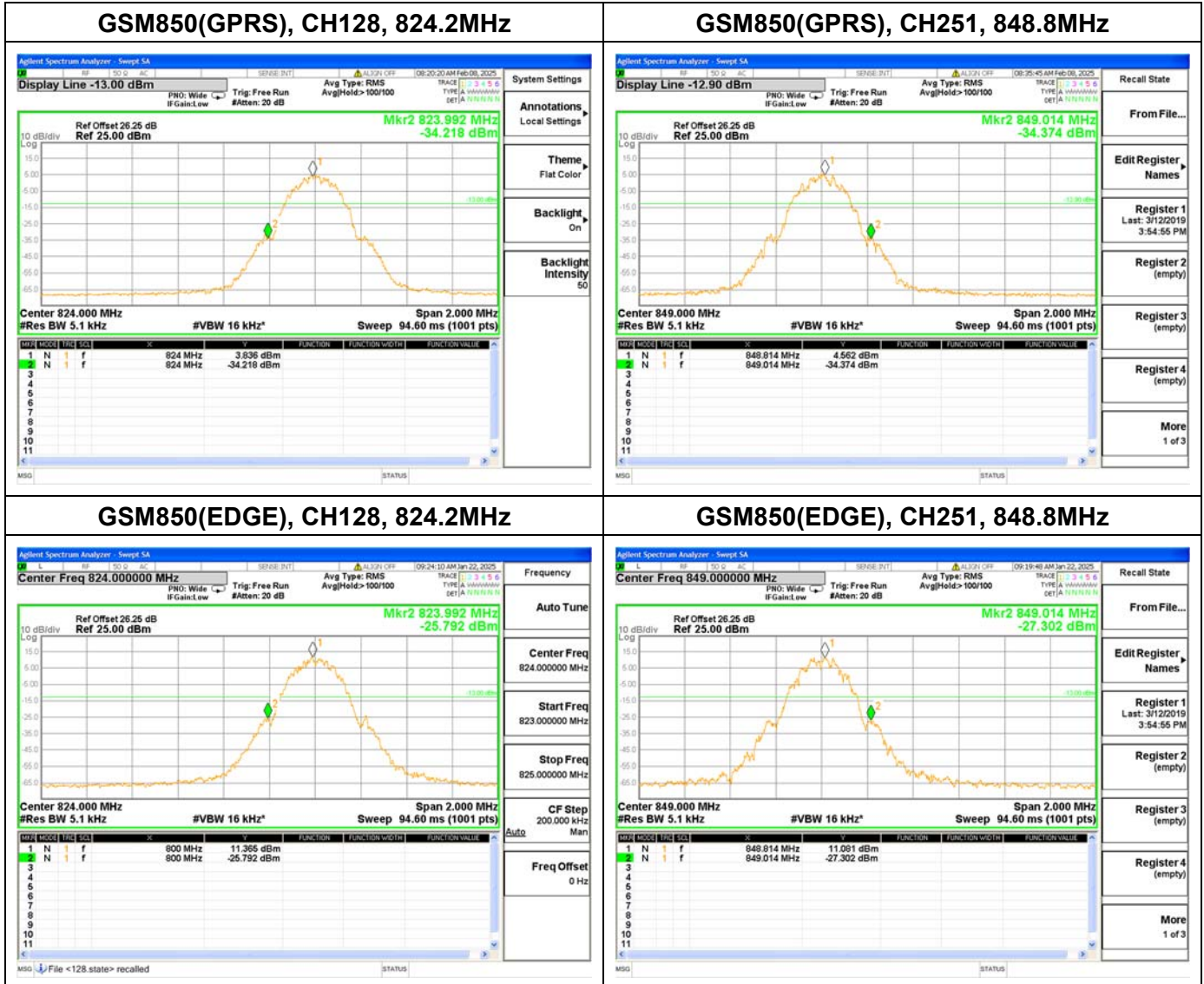
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum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





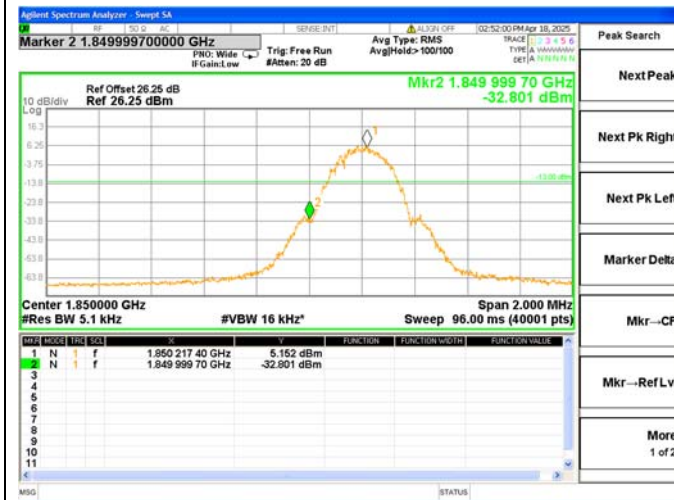
2.6.3. Test Result

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

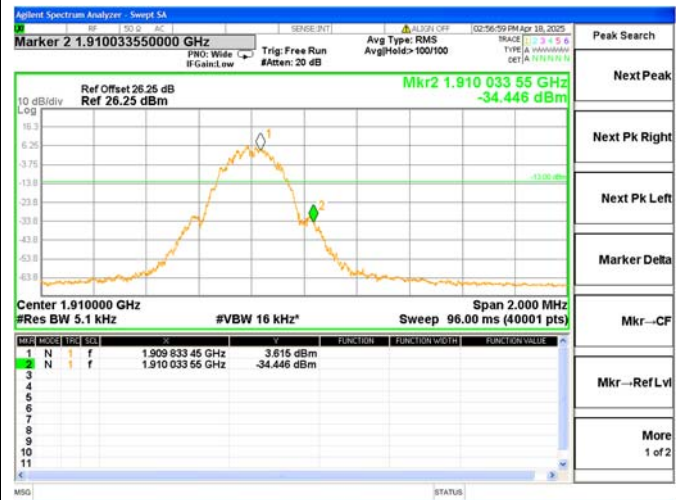




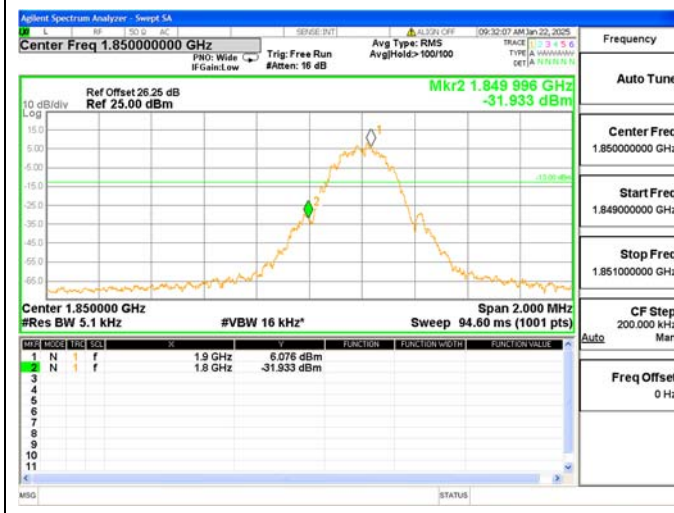
GSM1900(GPRS), CH512, 1850.2MHz



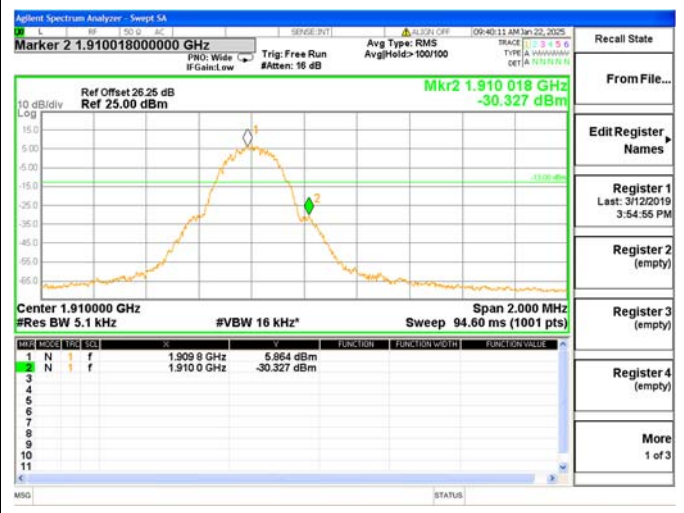
GSM1900(GPRS), CH810, 1909.8MHz



GSM1900(EDGE), CH512, 1850.2MHz



GSM1900(EDGE), CH810, 1909.8MHz





WCDMA Band V, CH4132, 826.4MHz



WCDMA Band V, CH4233, 846.6MHz



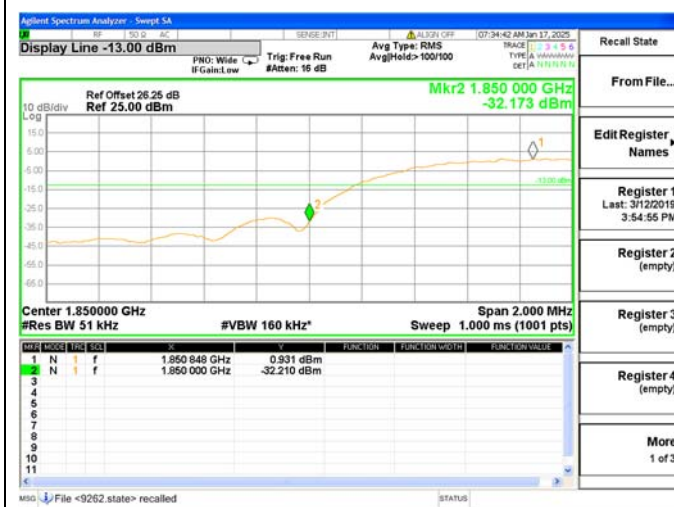
WCDMA Band IV, CH1312, 1712.4MHz



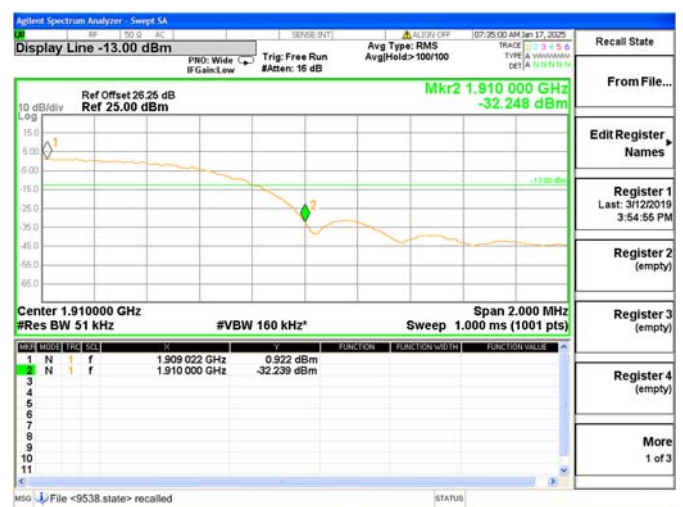
WCDMA Band IV, CH1513, 1752.6MHz



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:

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

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) 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**

GSM850								
Band	Channel	Frequency (MHz)	PCL	Measured E.R.P.		Limit		Verdict
				dBm	W	dBm	W	
GPRS	128	824.20	5	29.19	0.830	38.5	7	PASS
	189	836.40	5	29.23	0.838			PASS
	251	848.80	5	29.22	0.836			PASS
EDGE	128	824.20	5	22.47	0.177	38.5	7	PASS
	189	836.40	5	22.48	0.177			PASS
	251	848.80	5	22.44	0.175			PASS
Note 1: For the GPRS and EDGE 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	
GPRS	512	1850.2	0	31.39	1.377	33	2	PASS
	661	1880.0	0	31.35	1.365			PASS
	810	1909.8	0	31.37	1.371			PASS
EDGE	512	1850.2	0	26.13	0.410	33	2	PASS
	661	1880.0	0	26.14	0.411			PASS
	810	1909.8	0	26.10	0.407			PASS
Note 1: For the GPRS and EDGE mode, all the slots were tested and just the worst data were recorded in this report.								





WCDMA Band V							
Band	Channel	Frequency (MHz)	Measured E.R.P.		Limit		Verdict
			dBm	W	dBm	W	
WCDMA	4132	826.4	19.91	0.098	38.5	7	PASS
	4182	836.4	19.96	0.099			PASS
	4233	846.6	19.95	0.099			PASS
HSDPA	4132	826.4	19.26	0.084	38.5	7	PASS
	4182	836.4	19.25	0.084			PASS
	4233	846.6	19.18	0.083			PASS
DC- HSDPA	4132	826.4	19.22	0.084	38.5	7	PASS
	4182	836.4	19.19	0.083			PASS
	4233	846.6	19.14	0.082			PASS
HSUPA	4132	826.4	19.33	0.086	38.5	7	PASS
	4182	836.4	19.22	0.084			PASS
	4233	846.6	19.18	0.083			PASS
HSPA+	4132	826.4	19.25	0.084	38.5	7	PASS
	4182	836.4	19.22	0.084			PASS
	4233	846.6	19.20	0.083			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	23.22	0.210	30	1	PASS
	1413	1732.6	23.28	0.213			PASS
	1513	1752.6	23.19	0.208			PASS
HSDPA	1312	1712.4	22.47	0.177	30	1	PASS
	1413	1732.6	22.53	0.179			PASS
	1513	1752.6	22.44	0.175			PASS
DC- HSDPA	1312	1712.4	22.37	0.173	30	1	PASS
	1413	1732.6	22.50	0.178			PASS
	1513	1752.6	22.44	0.175			PASS
HSUPA	1312	1712.4	22.90	0.195	30	1	PASS
	1413	1732.6	22.53	0.179			PASS
	1513	1752.6	22.66	0.185			PASS
HSPA+	1312	1712.4	22.38	0.173	30	1	PASS
	1413	1732.6	22.51	0.178			PASS
	1513	1752.6	22.49	0.177			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	24.72	0.296	33	2	PASS
	9400	1880.0	24.86	0.306			PASS
	9538	1907.6	24.80	0.302			PASS
HSDPA	9262	1852.4	23.89	0.245	33	2	PASS
	9400	1880.0	23.99	0.251			PASS
	9538	1907.6	23.90	0.245			PASS
DC-HSDPA	9262	1852.4	23.90	0.245	33	2	PASS
	9400	1880.0	24.00	0.251			PASS
	9538	1907.6	23.89	0.245			PASS
HSUPA	9262	1852.4	23.93	0.247	33	2	PASS
	9400	1880.0	23.99	0.251			PASS
	9538	1907.6	23.89	0.245			PASS
HSPA+	9262	1852.4	23.85	0.243	33	2	PASS
	9400	1880.0	23.89	0.245			PASS
	9538	1907.6	23.92	0.247			PASS
Note 1: For the HSDPA and HSUPA mode, all the subtests were tested and just the worst data were recorded in this report.							

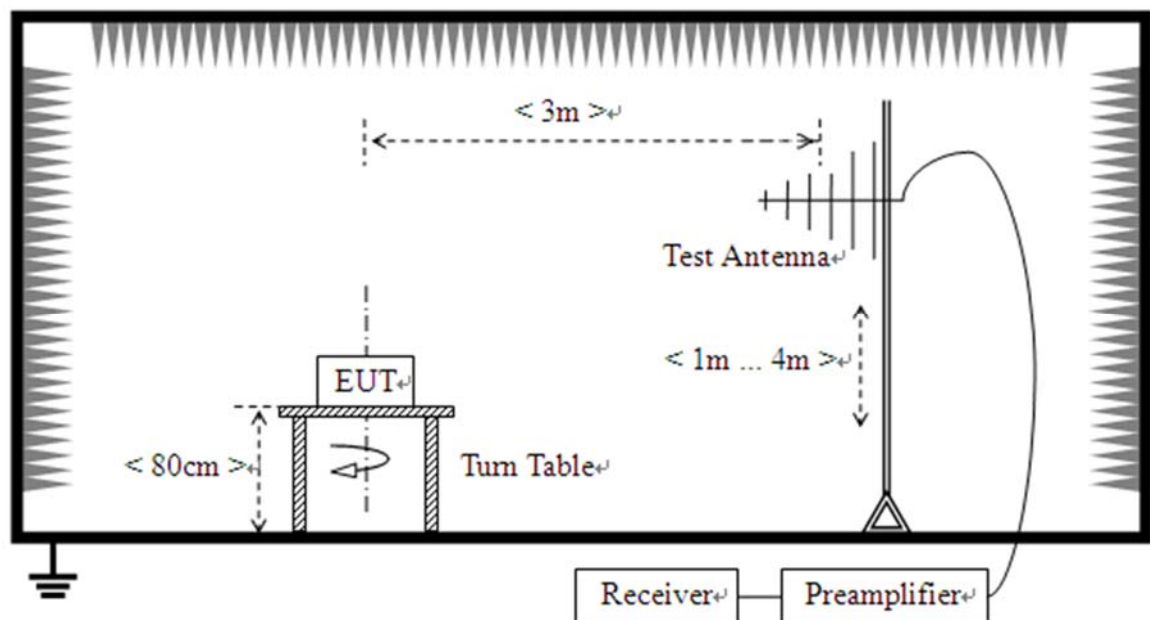


2.8. Radiated Out of Band Emissions

2.8.1. Requirement

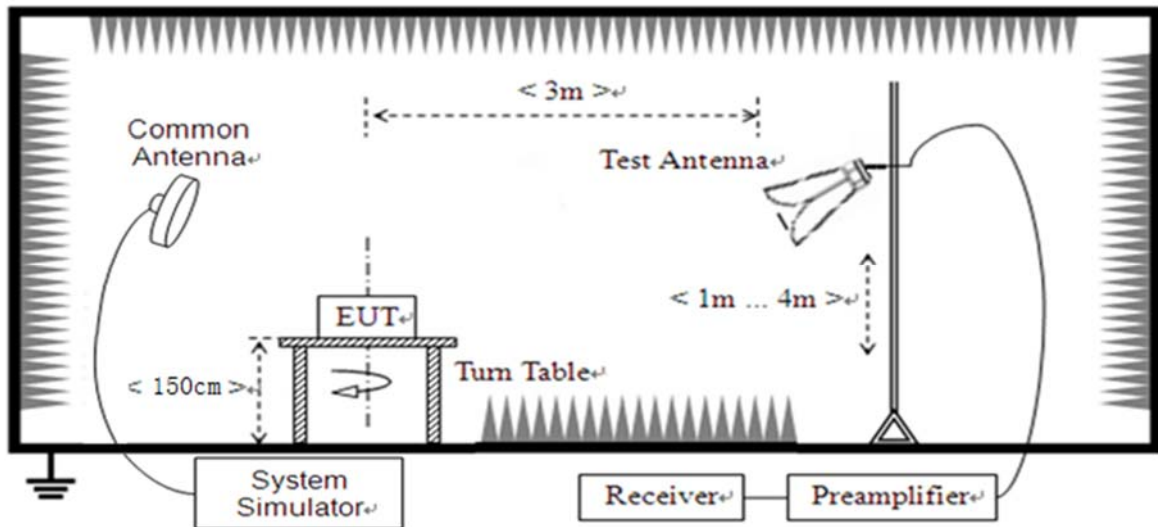
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43+10*\log(P)$ dB. This calculated to be -13dBm. The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency.

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.

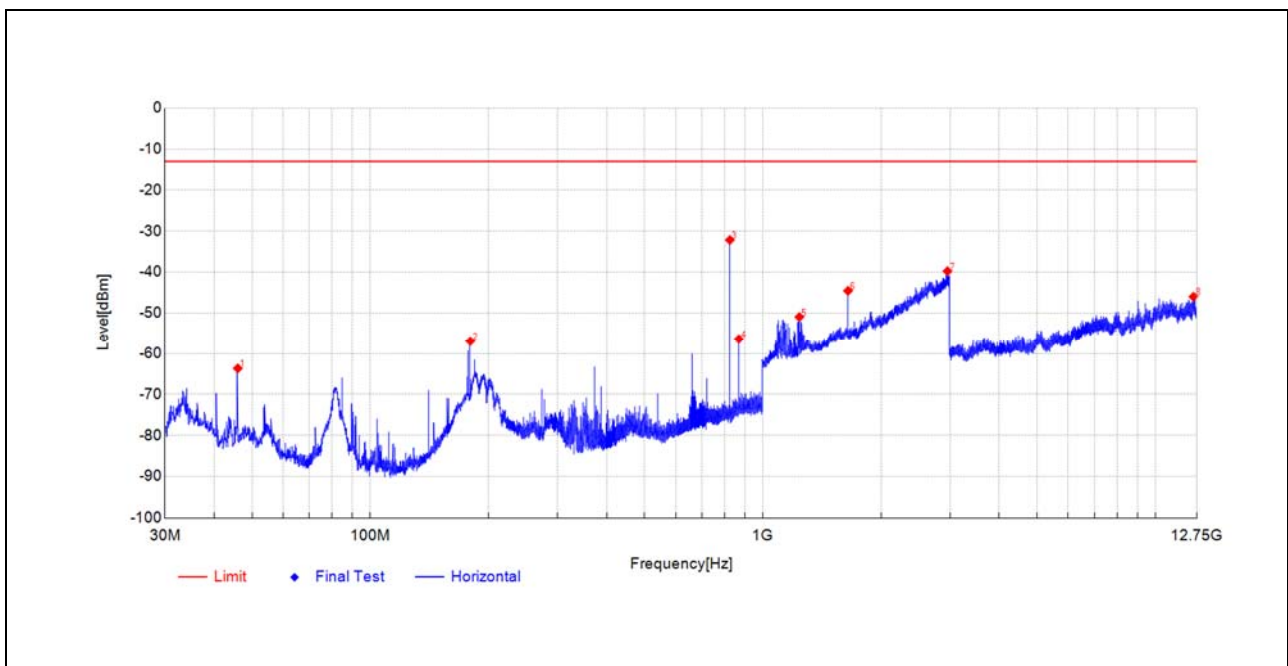
Note2: All test mode and condition mentioned were considered and evaluated respectively by performing full test, only the worst data were recorded and reported.

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.

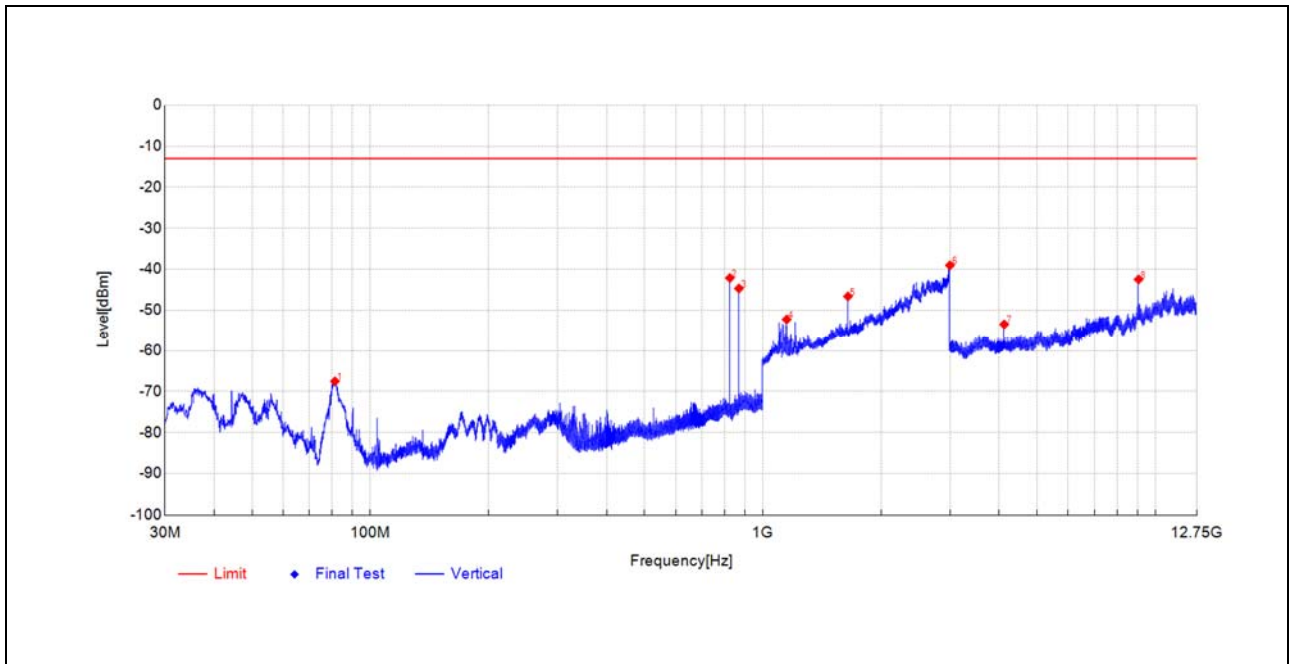
GSM850(EDGE)

Plot for Low Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
45.9573	-48.36	-63.66	-15.3	-13.0	50.7	Horizontal	PK	PASS
179.7755	-35.88	-56.91	-21.0	-13.0	43.9	Horizontal	PK	PASS
824.1787	-26.34	-32.14	-5.8	-	-	Horizontal	PK	NA
869.189	-51.52	-56.39	-4.9	-	-	Horizontal	PK	NA
1239.2478	-49.16	-50.92	-1.8	-13.0	37.9	Horizontal	PK	PASS
1648.5297	-47.16	-44.52	2.6	-13.0	31.5	Horizontal	PK	PASS
2953.9908	-54.84	-39.74	15.1	-13.0	26.7	Horizontal	PK	PASS
12509.650	-69.38	-45.97	23.4	-13.0	33.0	Horizontal	PK	PASS

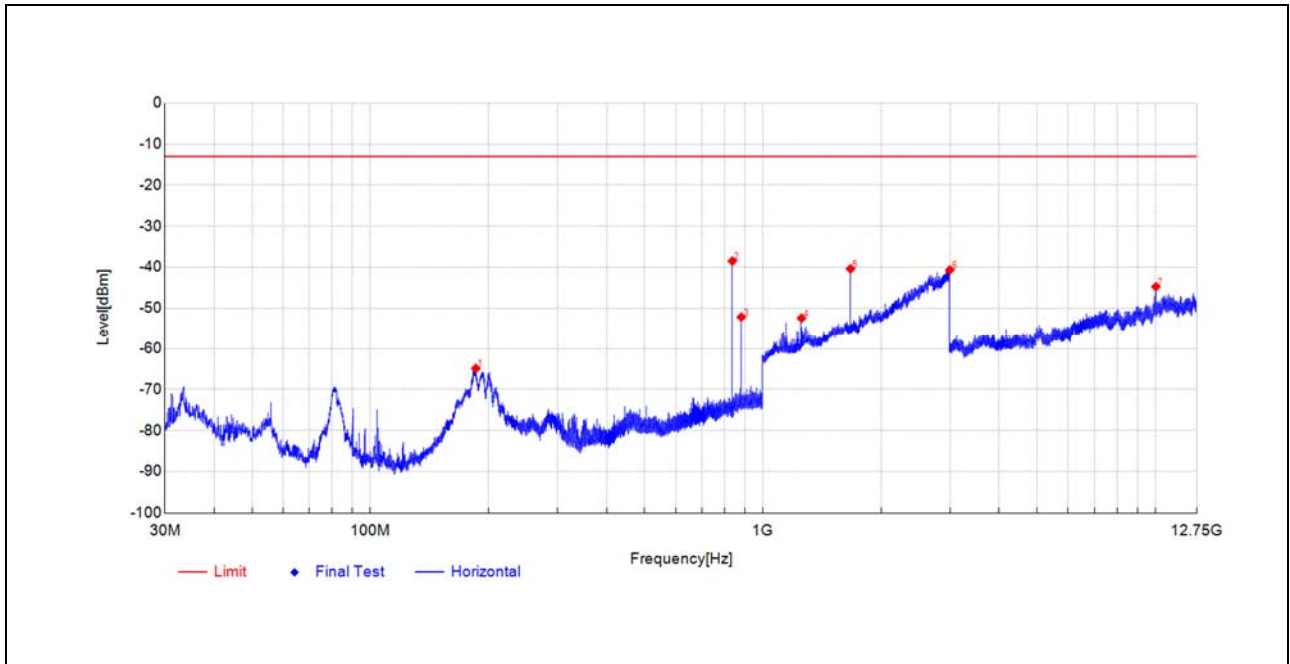




Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
81.2671	-44.53	-67.52	-23.0	-13.0	54.5	Vertical	PK	PASS
824.1787	-36.23	-42.12	-5.9	-	-	Vertical	PK	NA
869.2375	-39.79	-44.66	-4.9	-	-	Vertical	PK	NA
1150.03	-49.90	-52.23	-2.3	-13.0	39.2	Vertical	PK	PASS
1648.1296	-49.07	-46.59	2.5	-13.0	33.6	Vertical	PK	PASS
2997.9996	-56.05	-39.01	17.0	-13.0	26.0	Vertical	PK	PASS
4121.3061	-55.59	-53.44	2.2	-13.0	40.4	Vertical	PK	PASS
9066.7533	-58.69	-42.45	16.2	-13.0	29.5	Vertical	PK	PASS

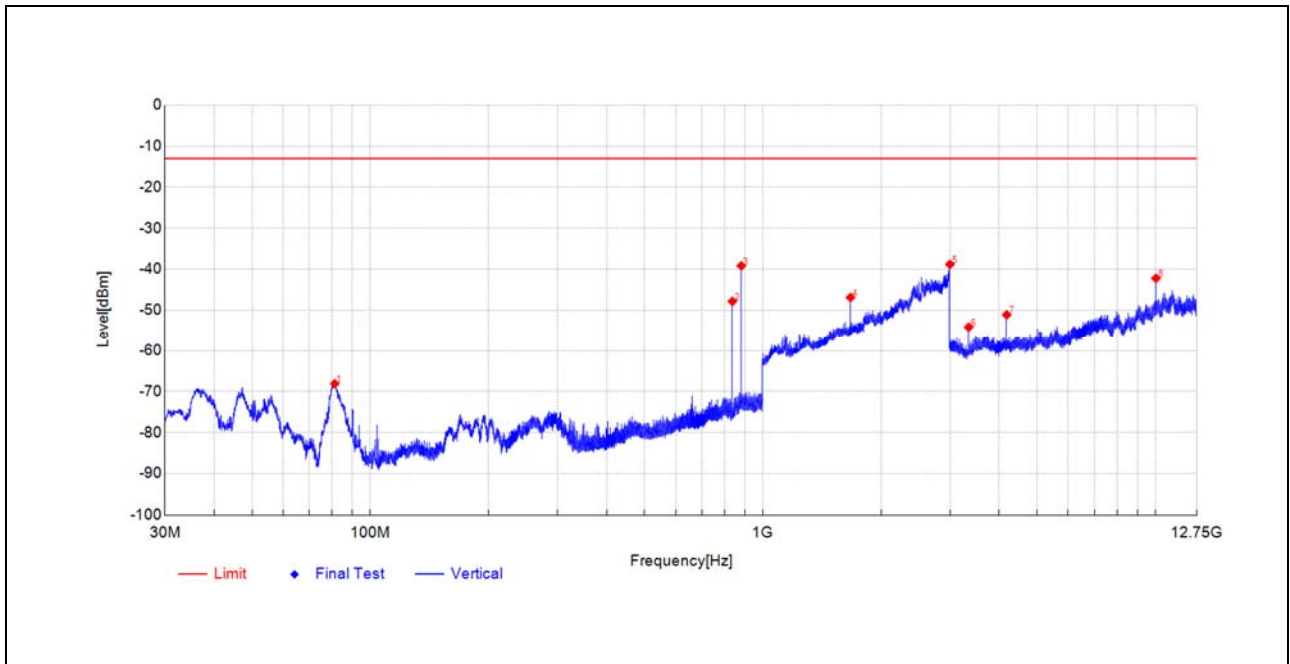


Plot for Mid Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
185.7898	-44.85	-64.88	-20.0	-13.0	51.9	Horizontal	PK	PASS
836.4013	-32.93	-38.47	-5.5	-	-	Horizontal	PK	NA
881.4601	-47.42	-52.16	-4.7	-	-	Horizontal	PK	NA
1254.851	-51.21	-52.41	-1.2	-13.0	39.4	Horizontal	PK	PASS
1672.9346	-42.88	-40.38	2.5	-13.0	27.4	Horizontal	PK	PASS
2995.9992	-55.62	-40.65	15.0	-13.0	27.7	Horizontal	PK	PASS
10035.951	-62.34	-44.72	17.6	-13.0	31.7	Horizontal	PK	PASS

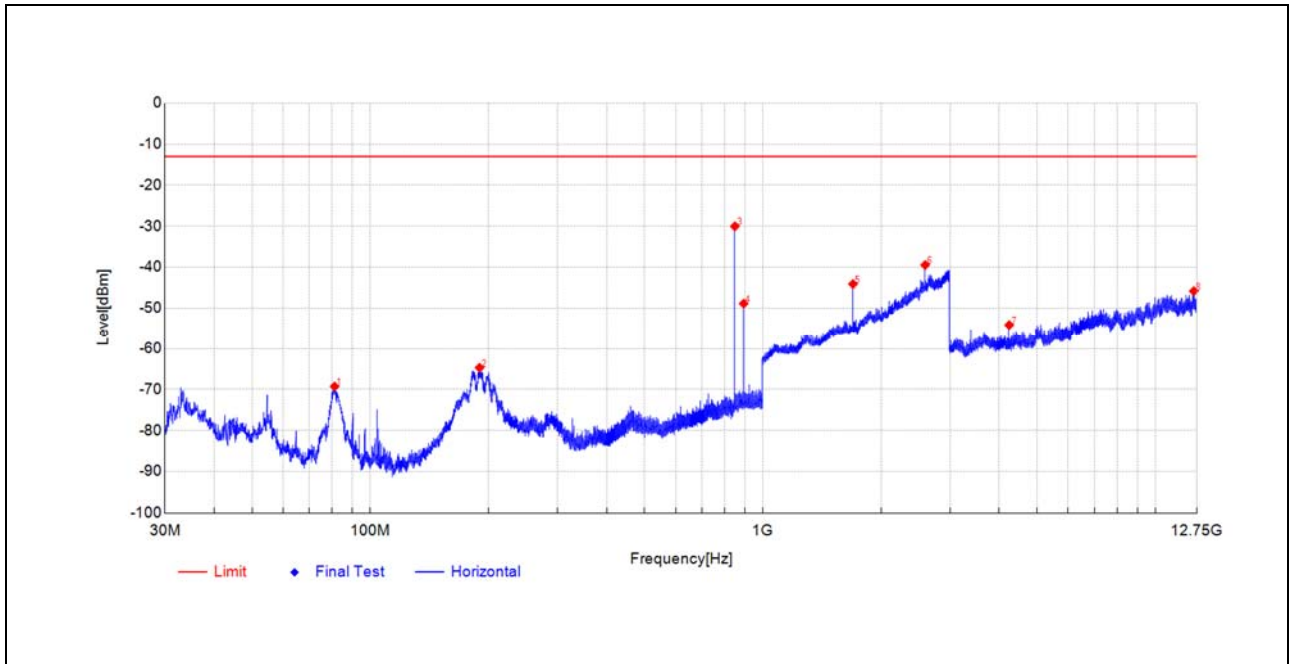




Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
81.1701	-45.11	-68.11	-23.0	-13.0	55.1	Vertical	PK	PASS
836.4983	-41.97	-47.80	-5.8	-	-	Vertical	PK	NA
881.3146	-34.68	-39.15	-4.5	-	-	Vertical	PK	NA
1672.5345	-49.60	-46.86	2.7	-13.0	33.9	Vertical	PK	PASS
2997.1994	-55.73	-38.78	17.0	-13.0	25.8	Vertical	PK	PASS
3345.1673	-53.61	-54.12	-0.5	-13.0	41.1	Vertical	PK	PASS
4182.2466	-53.35	-51.08	2.3	-13.0	38.1	Vertical	PK	PASS
10037.901	-60.45	-42.19	18.3	-13.0	29.2	Vertical	PK	PASS

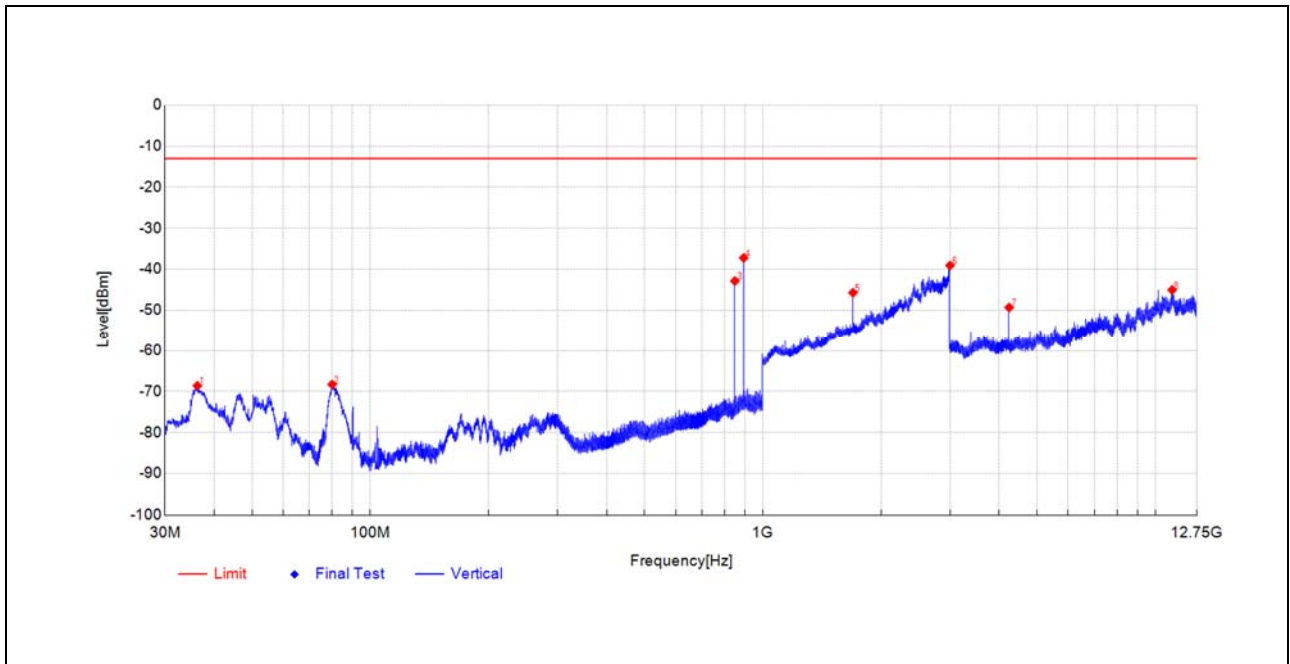


Plot for High Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
81.1216	-45.59	-69.28	-23.7	-13.0	56.3	Horizontal	PK	PASS
189.767	-45.35	-64.71	-19.4	-13.0	51.7	Horizontal	PK	PASS
848.8664	-24.82	-30.01	-5.2	-	-	Horizontal	PK	NA
893.7797	-44.18	-48.85	-4.7	-	-	Horizontal	PK	NA
1697.7395	-47.01	-44.08	2.9	-13.0	31.1	Horizontal	PK	PASS
2592.7185	-51.21	-39.44	11.8	-13.0	26.4	Horizontal	PK	PASS
4244.1622	-56.37	-54.10	2.3	-13.0	41.1	Horizontal	PK	PASS
12534.026	-69.16	-45.81	23.4	-13.0	32.8	Horizontal	PK	PASS



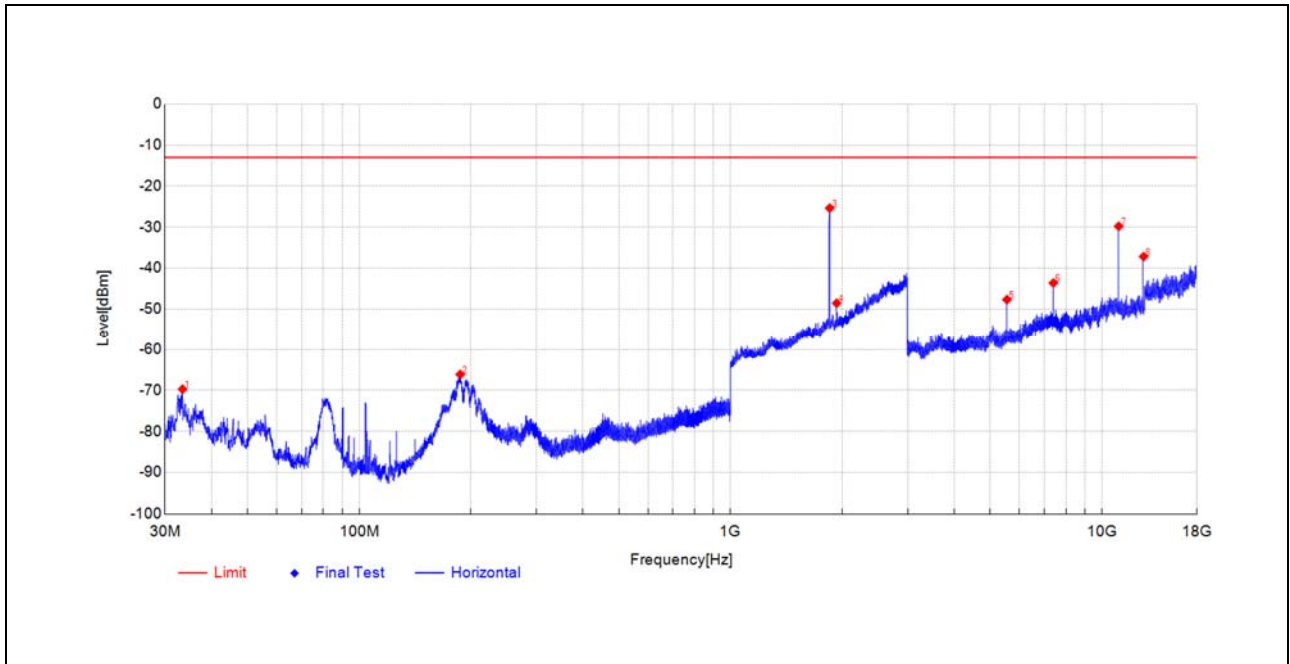


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
36.2568	-45.51	-68.61	-23.1	-13.0	55.6	Vertical	PK	PASS
79.9575	-45.19	-68.29	-23.1	-13.0	55.3	Vertical	PK	PASS
848.8179	-37.31	-42.84	-5.5	-	-	Vertical	PK	NA
893.7312	-32.78	-37.21	-4.4	-	-	Vertical	PK	NA
1697.7395	-48.80	-45.70	3.1	-13.0	32.7	Vertical	PK	PASS
2999.1998	-56.22	-39.05	17.2	-13.0	26.1	Vertical	PK	PASS
4244.1622	-51.55	-49.30	2.3	-13.0	36.3	Vertical	PK	PASS
11035.376	-67.17	-45.03	22.1	-13.0	32.0	Vertical	PK	PASS



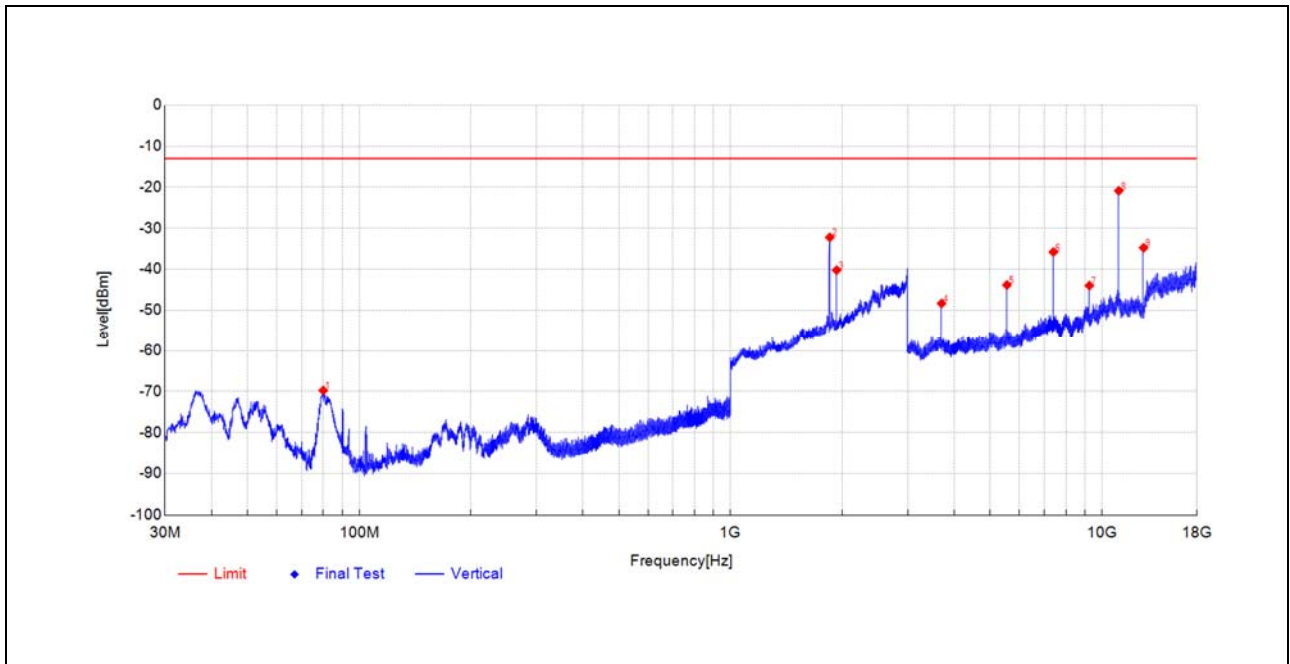
**GSM1900(EDGE)**

Plot for Low Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
33.4437	-54.49	-69.71	-15.2	-13.0	56.7	Horizontal	PK	PASS
187.0509	-46.05	-66.12	-20.1	-13.0	53.1	Horizontal	PK	PASS
1850.17	-29.63	-25.35	4.3	-	-	Horizontal	PK	NA
1930.186	-52.43	-48.52	3.9	-	-	Horizontal	PK	NA
5551.0172	-54.30	-47.64	6.7	-13.0	34.6	Horizontal	PK	PASS
7401.2313	-56.10	-43.60	12.5	-13.0	30.6	Horizontal	PK	PASS
11101.190	-49.78	-29.78	20.0	-13.0	16.8	Horizontal	PK	PASS
12951.404	-59.95	-37.17	22.8	-13.0	24.2	Horizontal	PK	PASS

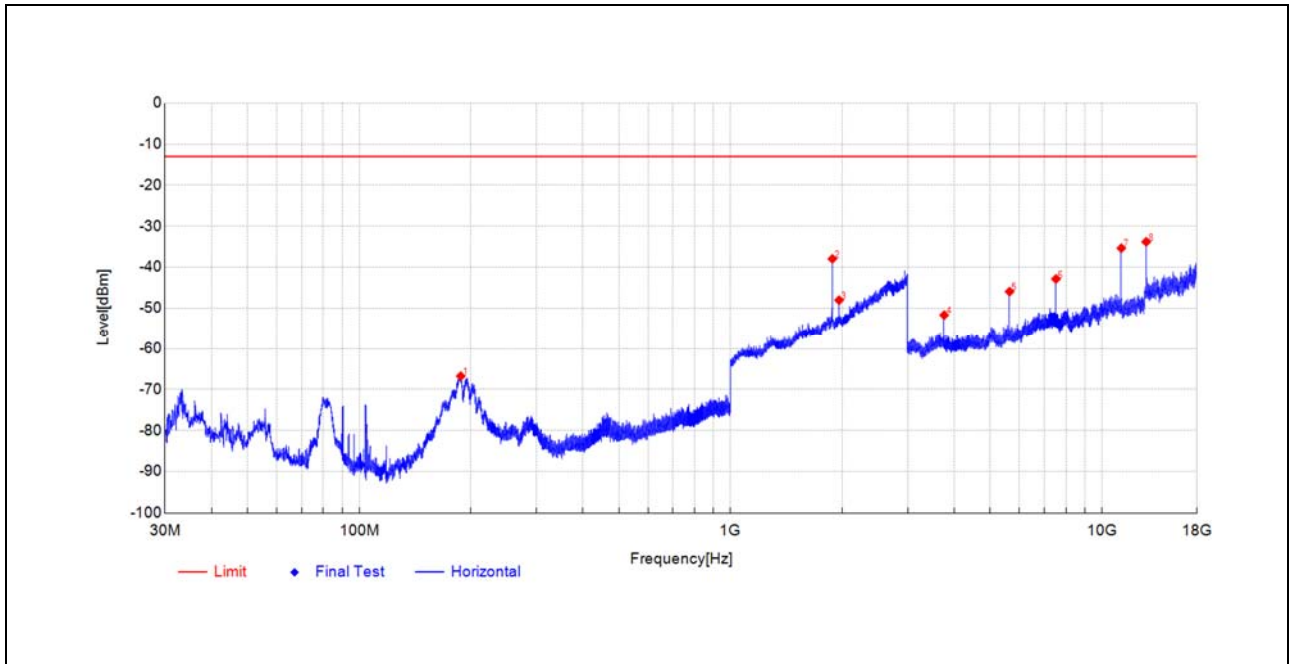




Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
80.006	-46.51	-69.75	-23.2	-13.0	56.8	Vertical	PK	PASS
1850.17	-36.52	-32.20	4.3	-	-	Vertical	PK	NA
1929.786	-44.08	-40.21	3.9	-	-	Vertical	PK	NA
3700.3344	-50.09	-48.32	1.8	-13.0	35.3	Vertical	PK	PASS
5550.5485	-50.16	-43.81	6.4	-13.0	30.8	Vertical	PK	PASS
7400.7625	-47.48	-35.78	11.7	-13.0	22.8	Vertical	PK	PASS
9250.9766	-60.43	-43.96	16.5	-13.0	31.0	Vertical	PK	PASS
11101.190	-43.24	-20.85	22.4	-13.0	7.9	Vertical	PK	PASS
12950.936	-56.73	-34.75	22.0	-13.0	21.8	Vertical	PK	PASS

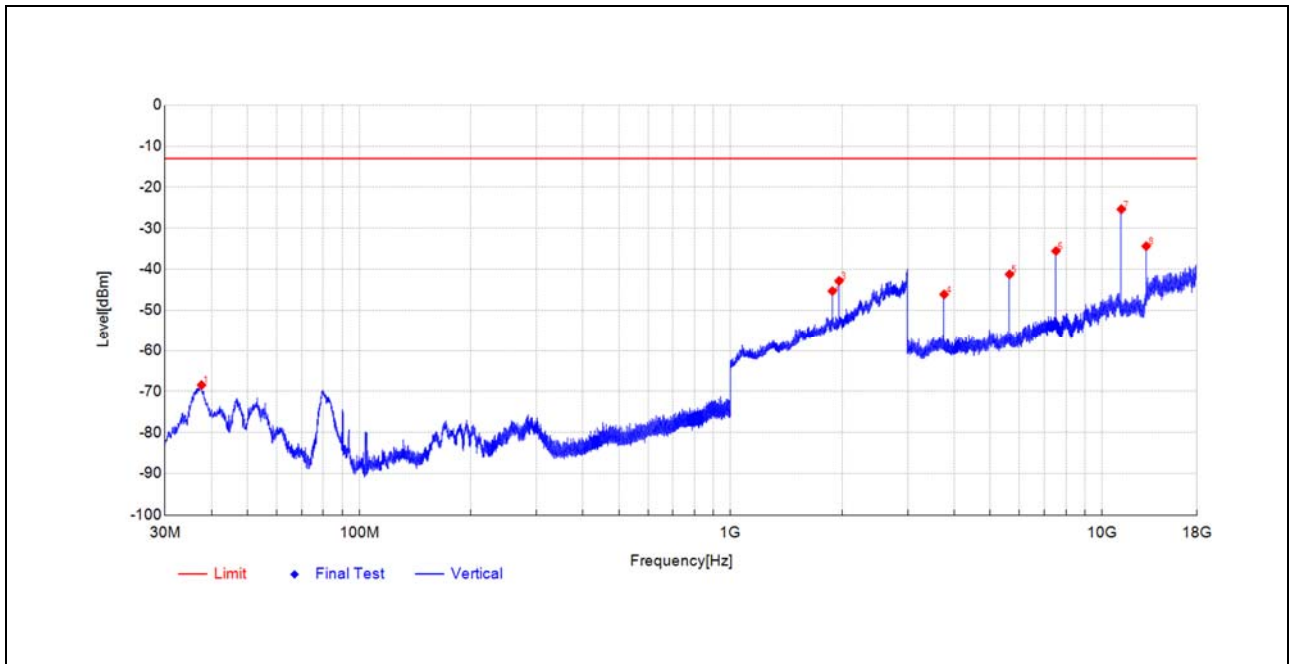


Plot for Mid Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
187.6814	-46.81	-66.77	-20.0	-13.0	53.8	Horizontal	PK	PASS
1880.176	-43.22	-37.94	5.3	-	-	Horizontal	PK	NA
1959.792	-52.52	-48.02	4.5	-	-	Horizontal	PK	NA
3760.3363	-52.85	-51.68	1.2	-13.0	38.7	Horizontal	PK	PASS
5640.0825	-53.03	-45.93	7.1	-13.0	32.9	Horizontal	PK	PASS
7519.8287	-55.15	-42.85	12.3	-13.0	29.9	Horizontal	PK	PASS
11279.79	-55.24	-35.34	19.9	-13.0	22.3	Horizontal	PK	PASS
13160.473	-60.32	-33.79	26.5	-13.0	20.8	Horizontal	PK	PASS

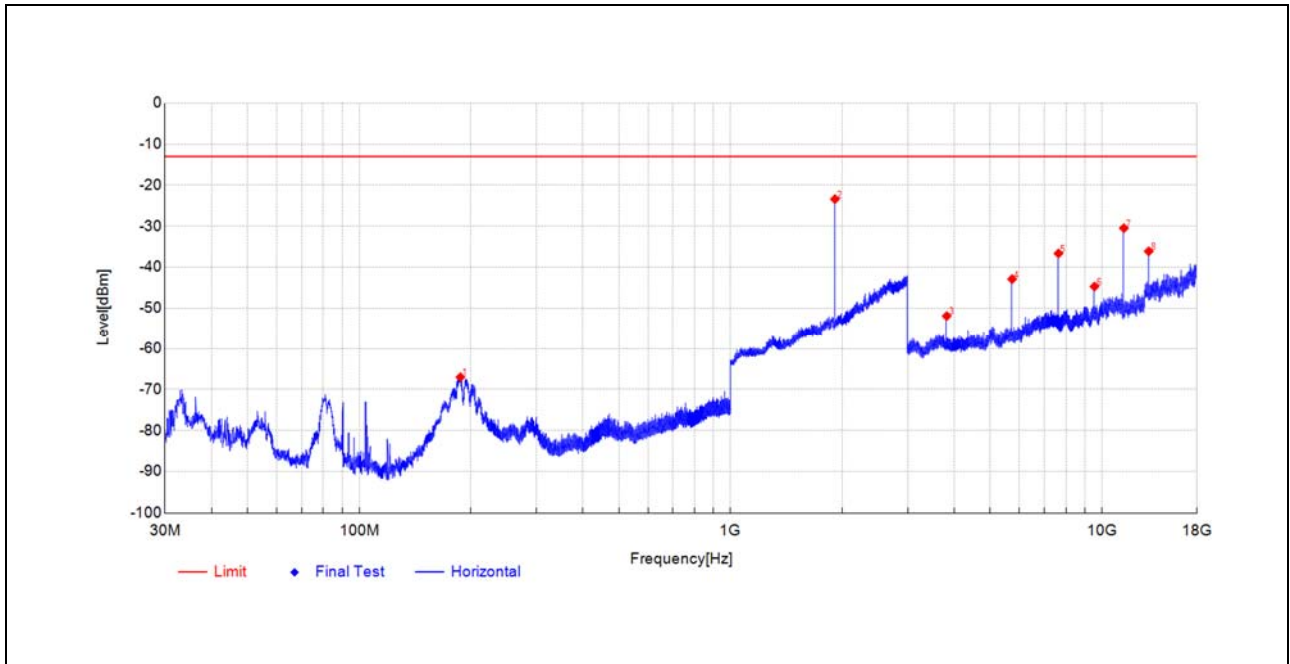




Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
37.6149	-45.75	-68.44	-22.7	-13.0	55.4	Vertical	PK	PASS
1880.176	-50.41	-45.30	5.1	-	-	Vertical	PK	NA
1960.192	-47.02	-42.81	4.2	-	-	Vertical	PK	NA
3759.8675	-47.19	-46.11	1.1	-13.0	33.1	Vertical	PK	PASS
5640.0825	-47.91	-41.21	6.7	-13.0	28.2	Vertical	PK	PASS
7519.8287	-47.40	-35.53	11.9	-13.0	22.5	Vertical	PK	PASS
11279.79	-45.16	-25.35	19.8	-13.0	12.4	Vertical	PK	PASS
13159.536	-59.29	-34.36	24.9	-13.0	21.4	Vertical	PK	PASS

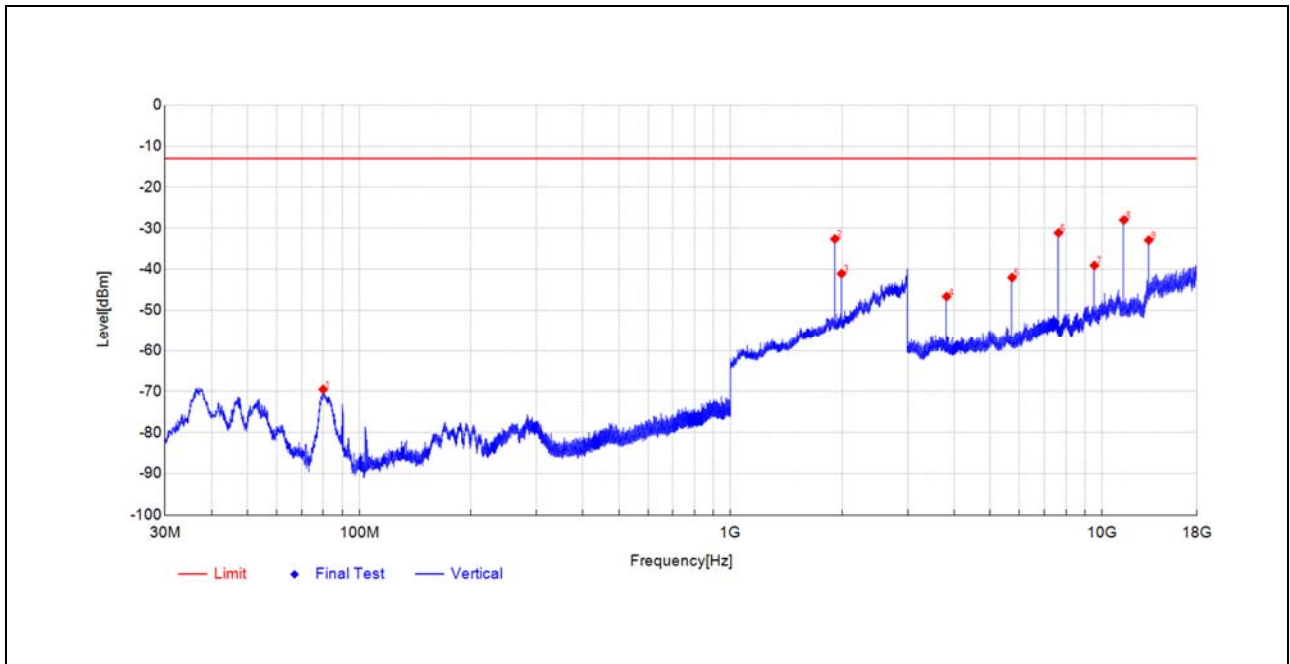


Plot for High Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
187.3419	-46.99	-67.01	-20.0	-13.0	54.0	Horizontal	PK	PASS
1909.782	-27.61	-23.38	4.2	-	-	Horizontal	PK	NA
3819.8694	-52.78	-51.90	0.9	-13.0	38.9	Horizontal	PK	PASS
5729.6166	-50.31	-42.88	7.4	-13.0	29.9	Horizontal	PK	PASS
7638.895	-48.70	-36.62	12.1	-13.0	23.6	Horizontal	PK	PASS
9549.1109	-61.48	-44.69	16.8	-13.0	31.7	Horizontal	PK	PASS
11458.389	-50.11	-30.45	19.7	-13.0	17.5	Horizontal	PK	PASS
13368.136	-62.13	-36.11	26.0	-13.0	23.1	Horizontal	PK	PASS



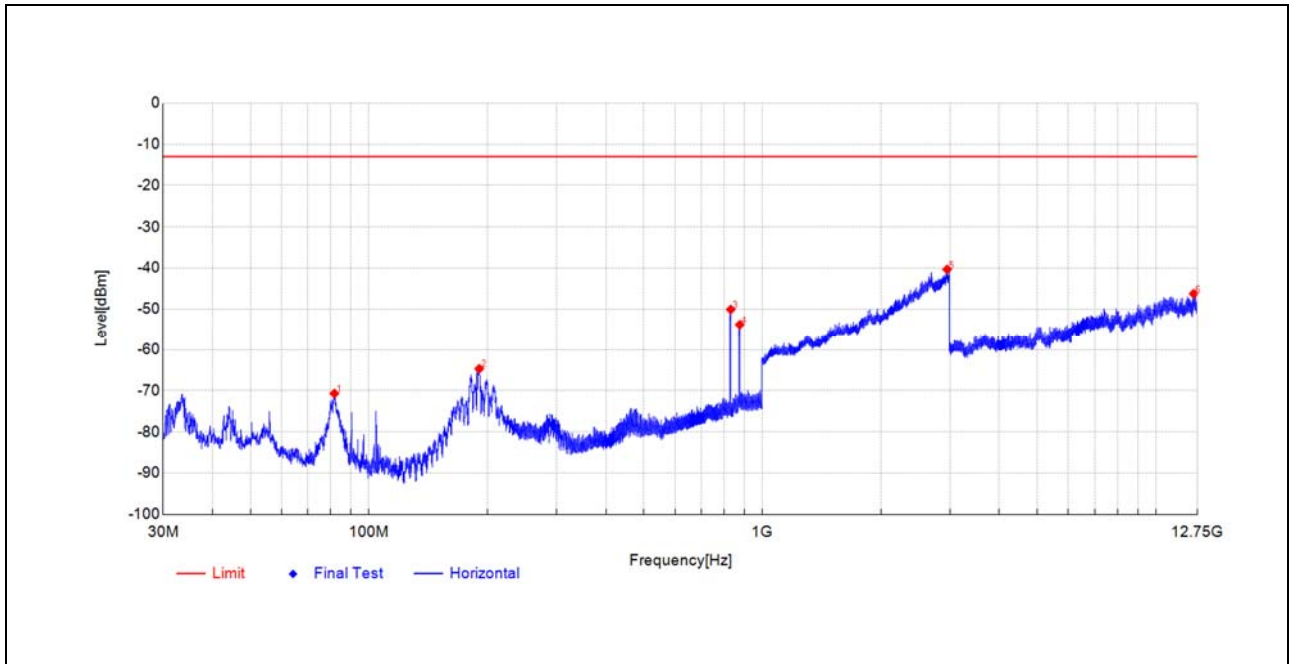


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
80.006	-46.25	-69.49	-23.2	-13.0	56.5	Vertical	PK	PASS
1909.782	-37.44	-32.59	4.9	-	-	Vertical	PK	NA
1989.798	-45.45	-41.05	4.4	-	-	Vertical	PK	NA
3819.4006	-47.33	-46.63	0.7	-13.0	33.6	Vertical	PK	PASS
5729.6166	-48.54	-41.99	6.6	-13.0	29.0	Vertical	PK	PASS
7639.3637	-42.52	-31.12	11.4	-13.0	18.1	Vertical	PK	PASS
9548.6421	-56.20	-39.07	17.1	-13.0	26.1	Vertical	PK	PASS
11458.858	-48.63	-27.97	20.7	-13.0	15.0	Vertical	PK	PASS
13369.074	-59.55	-32.89	26.7	-13.0	19.9	Vertical	PK	PASS



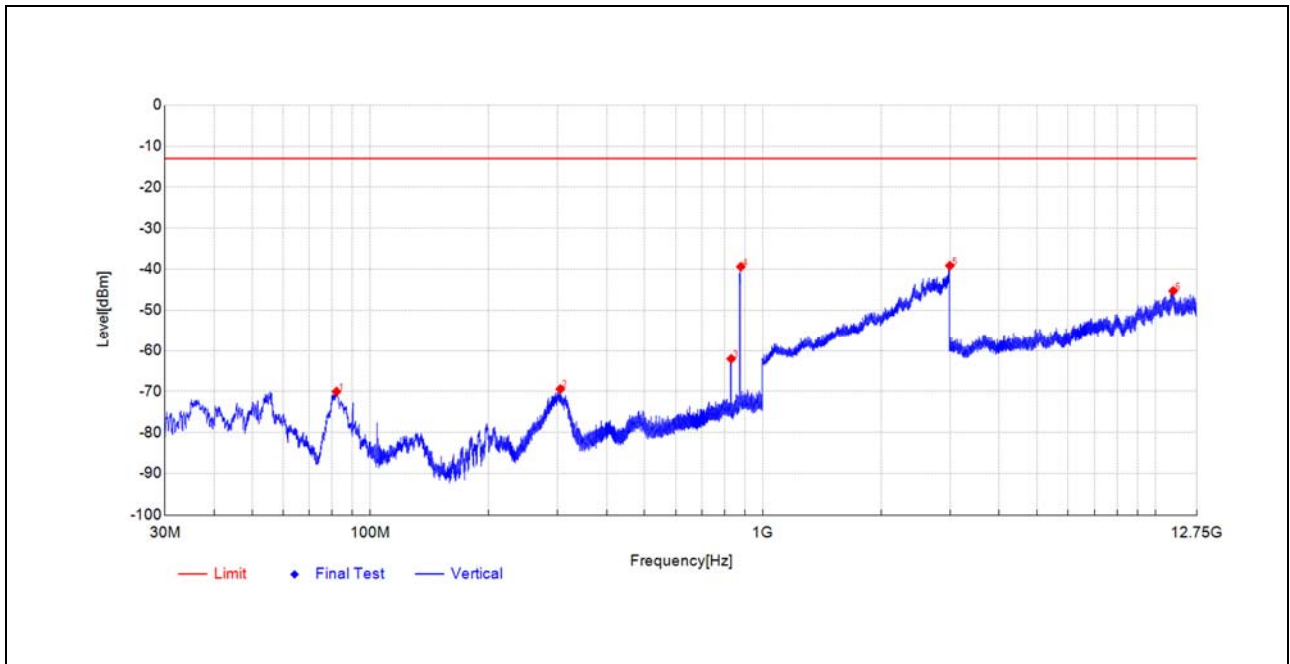
**WCDMA Band XIX(WCDMA)**

Plot for Low Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
81.7036	-47.03	-70.69	-23.7	-13.0	57.7	Horizontal	PK	PASS
190.6885	-45.49	-64.69	-19.2	-13.0	51.7	Horizontal	PK	PASS
830.9205	-44.38	-50.06	-5.7	-	-	Horizontal	PK	NA
876.2703	-48.98	-53.77	-4.8	-	-	Horizontal	PK	NA
2949.1898	-55.14	-40.29	14.9	-13.0	27.3	Horizontal	PK	PASS
12485.274	-69.32	-46.23	23.1	-13.0	33.2	Horizontal	PK	PASS



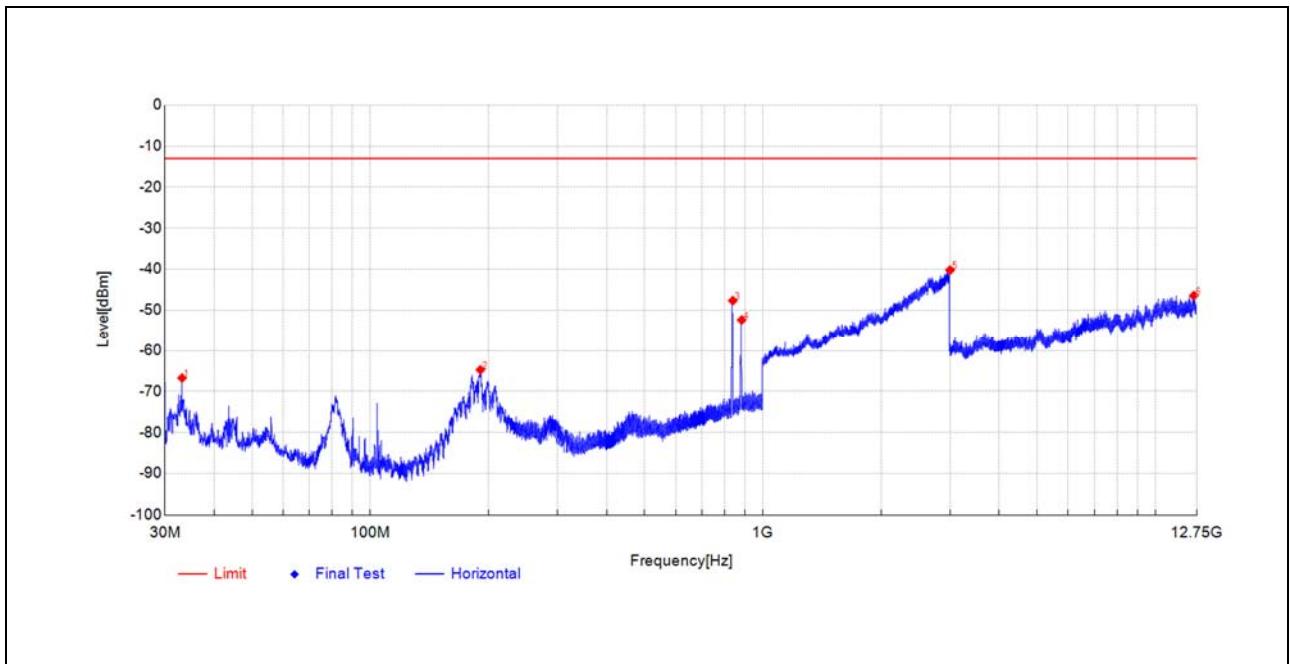


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
82.0431	-47.10	-70.02	-22.9	-13.0	57.0	Vertical	PK	PASS
304.8632	-53.52	-69.42	-15.9	-13.0	56.4	Vertical	PK	PASS
830.969	-56.08	-62.04	-6.0	-	-	Vertical	PK	NA
879.229	-34.84	-39.35	-4.5	-	-	Vertical	PK	NA
2995.5991	-55.89	-39.11	16.8	-13.0	26.1	Vertical	PK	PASS
11103.142	-67.63	-45.27	22.4	-13.0	32.3	Vertical	PK	PASS



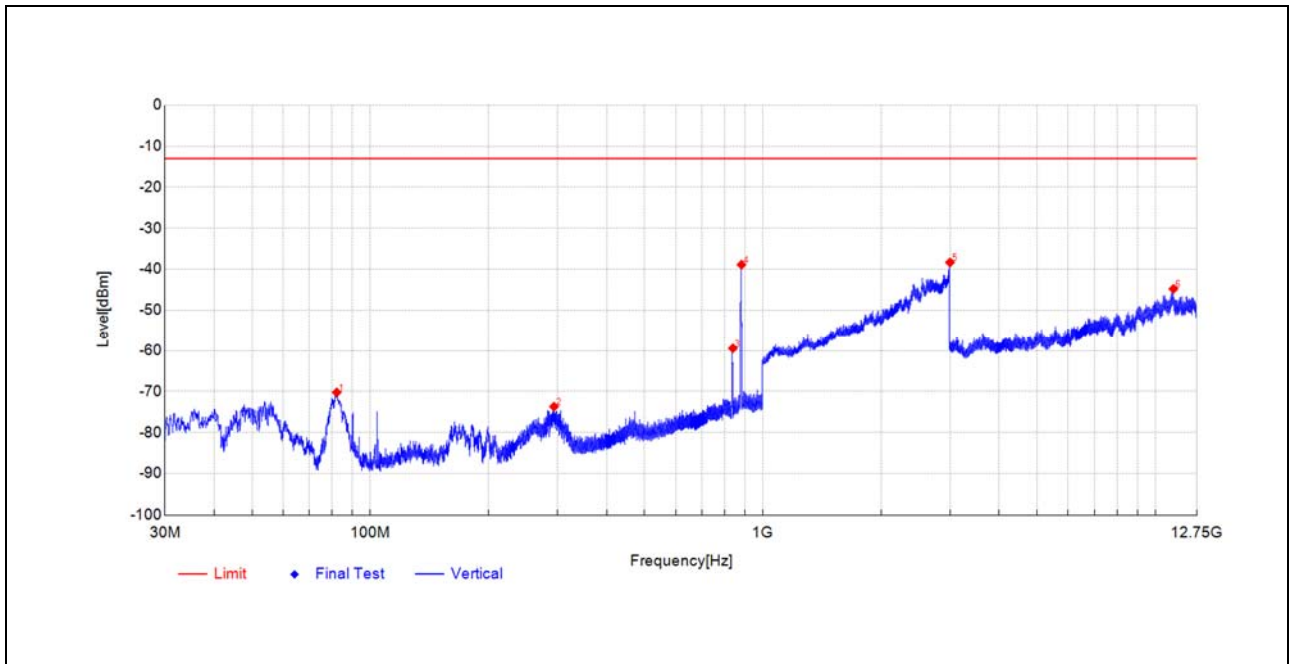


Plot for Mid Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
33.1527	-51.54	-66.73	-15.2	-13.0	53.7	Horizontal	PK	PASS
190.737	-45.55	-64.74	-19.2	-13.0	51.7	Horizontal	PK	PASS
838.8749	-42.18	-47.64	-5.5	-	-	Horizontal	PK	NA
883.5942	-47.64	-52.37	-4.7	-	-	Horizontal	PK	NA
2999.5999	-55.22	-40.19	15.0	-13.0	27.2	Horizontal	PK	PASS
12533.051	-69.78	-46.42	23.4	-13.0	33.4	Horizontal	PK	PASS

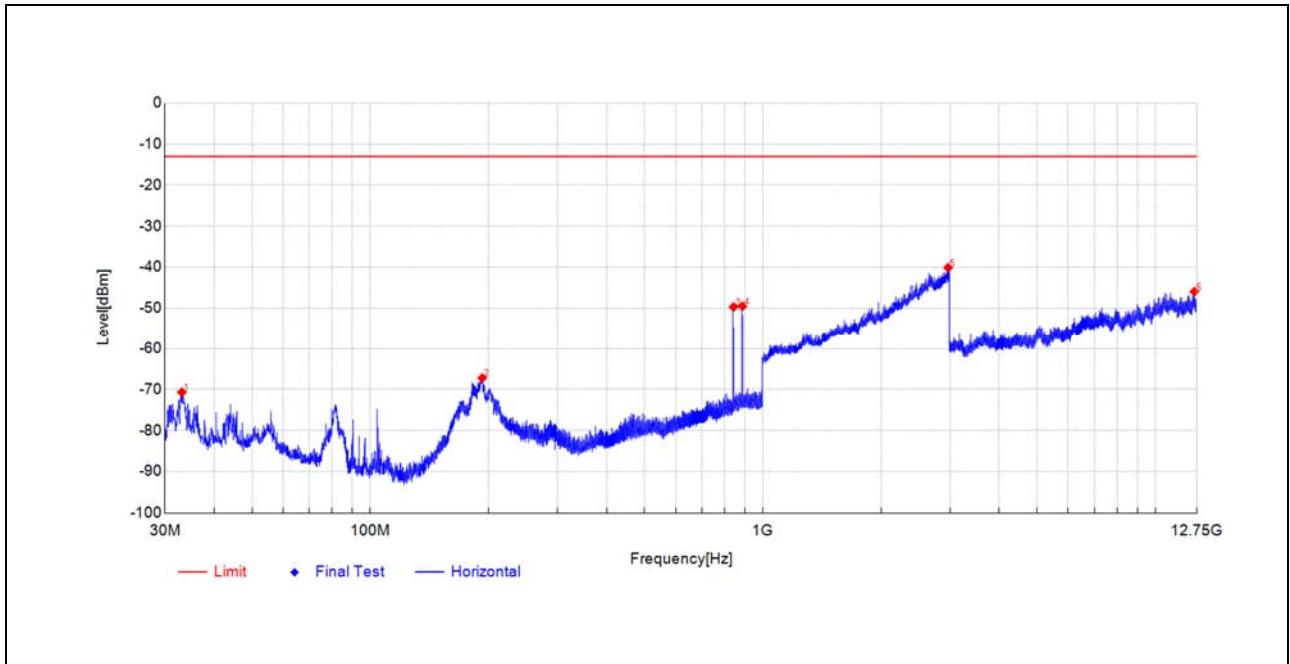




Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
82.1401	-47.31	-70.22	-22.9	-13.0	57.2	Vertical	PK	PASS
293.8047	-57.23	-73.70	-16.5	-13.0	60.7	Vertical	PK	PASS
839.0205	-53.70	-59.46	-5.8	-	-	Vertical	PK	NA
882.5271	-34.39	-38.86	-4.5	-	-	Vertical	PK	NA
2999.5999	-55.53	-38.31	17.2	-13.0	25.3	Vertical	PK	PASS
11121.668	-66.87	-44.77	22.1	-13.0	31.8	Vertical	PK	PASS

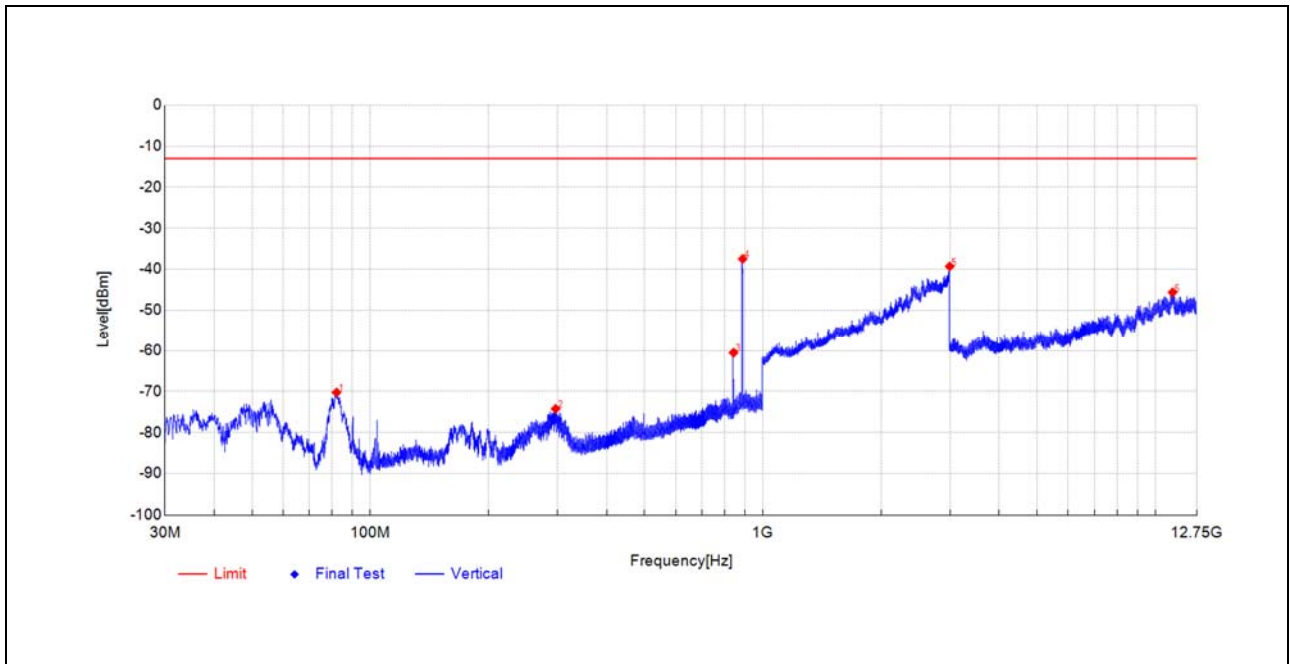


Plot for High Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
33.1042	-55.50	-70.69	-15.2	-13.0	57.7	Horizontal	PK	PASS
192.7741	-48.38	-67.23	-18.9	-13.0	54.2	Horizontal	PK	PASS
842.8036	-44.32	-49.67	-5.4	-	-	Horizontal	PK	NA
887.6684	-44.79	-49.50	-4.7	-	-	Horizontal	PK	NA
2964.793	-55.08	-40.09	15.0	-13.0	27.1	Horizontal	PK	PASS
12572.541	-69.23	-45.95	23.3	-13.0	33.0	Horizontal	PK	PASS



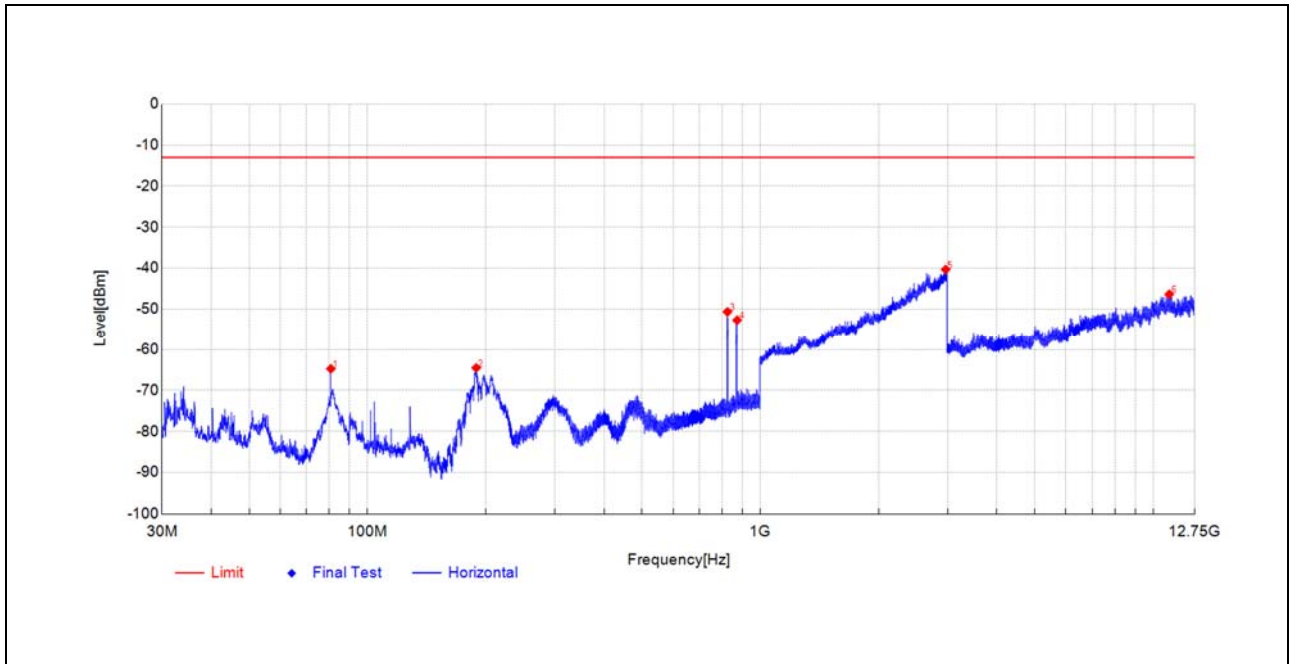


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
82.0431	-47.32	-70.24	-22.9	-13.0	57.2	Vertical	PK	PASS
296.4723	-57.88	-74.23	-16.4	-13.0	61.2	Vertical	PK	PASS
842.3186	-54.86	-60.54	-5.7	-	-	Vertical	PK	NA
888.8324	-33.00	-37.45	-4.5	-	-	Vertical	PK	NA
2993.1986	-55.81	-39.30	16.5	-13.0	26.3	Vertical	PK	PASS
11068.528	-67.88	-45.60	22.3	-13.0	32.6	Vertical	PK	PASS



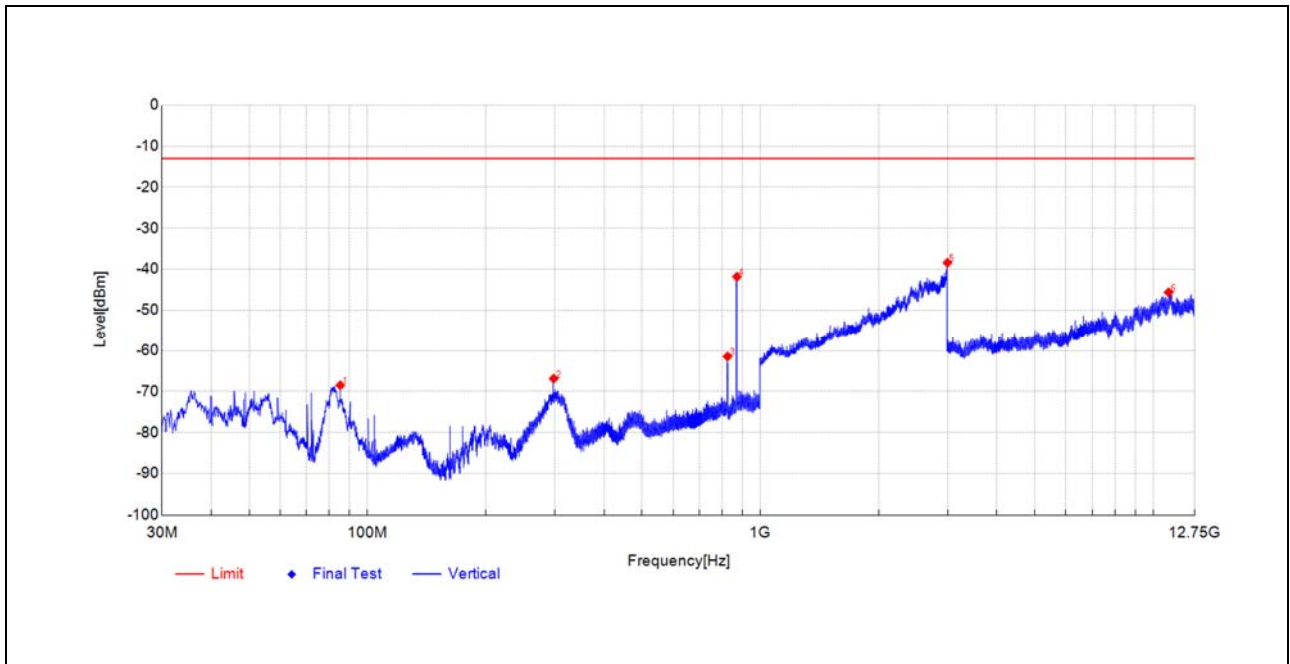
**WCDMA Band V(WCDMA)**

Plot for Low Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
80.685	-41.02	-64.74	-23.7	-13.0	51.7	Horizontal	PK	PASS
189.1365	-45.07	-64.53	-19.5	-13.0	51.5	Horizontal	PK	PASS
824.9062	-44.85	-50.64	-5.8	-	-	Horizontal	PK	NA
873.1177	-47.85	-52.67	-4.8	-	-	Horizontal	PK	NA
2963.5927	-55.33	-40.32	15.0	-13.0	27.3	Horizontal	PK	PASS
10990.524	-67.32	-46.35	21.0	-13.0	33.4	Horizontal	PK	PASS



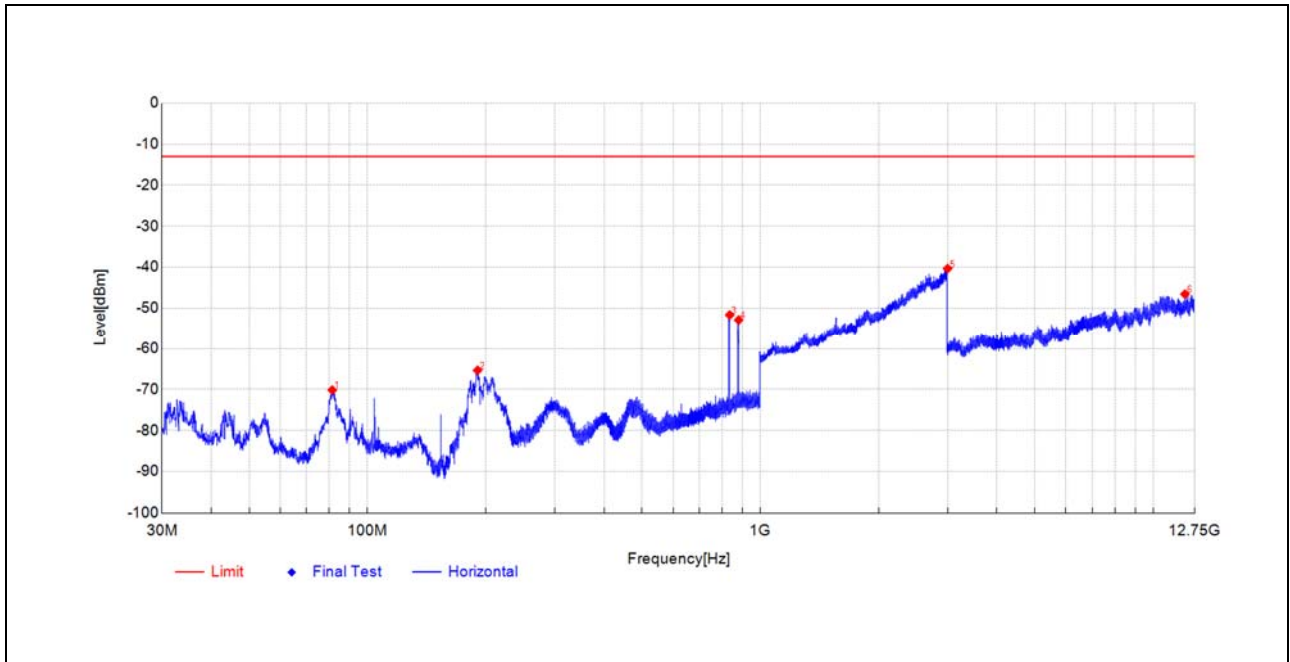


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
85.2928	-45.89	-68.49	-22.6	-13.0	55.5	Vertical	PK	PASS
297.8304	-50.59	-66.88	-16.3	-13.0	53.9	Vertical	PK	PASS
825.1003	-55.57	-61.47	-5.9	-	-	Vertical	PK	NA
871.9536	-37.04	-41.81	-4.8	-	-	Vertical	PK	NA
2994.3989	-55.03	-38.39	16.6	-13.0	25.4	Vertical	PK	PASS
10950.547	-66.92	-45.60	21.3	-13.0	32.6	Vertical	PK	PASS



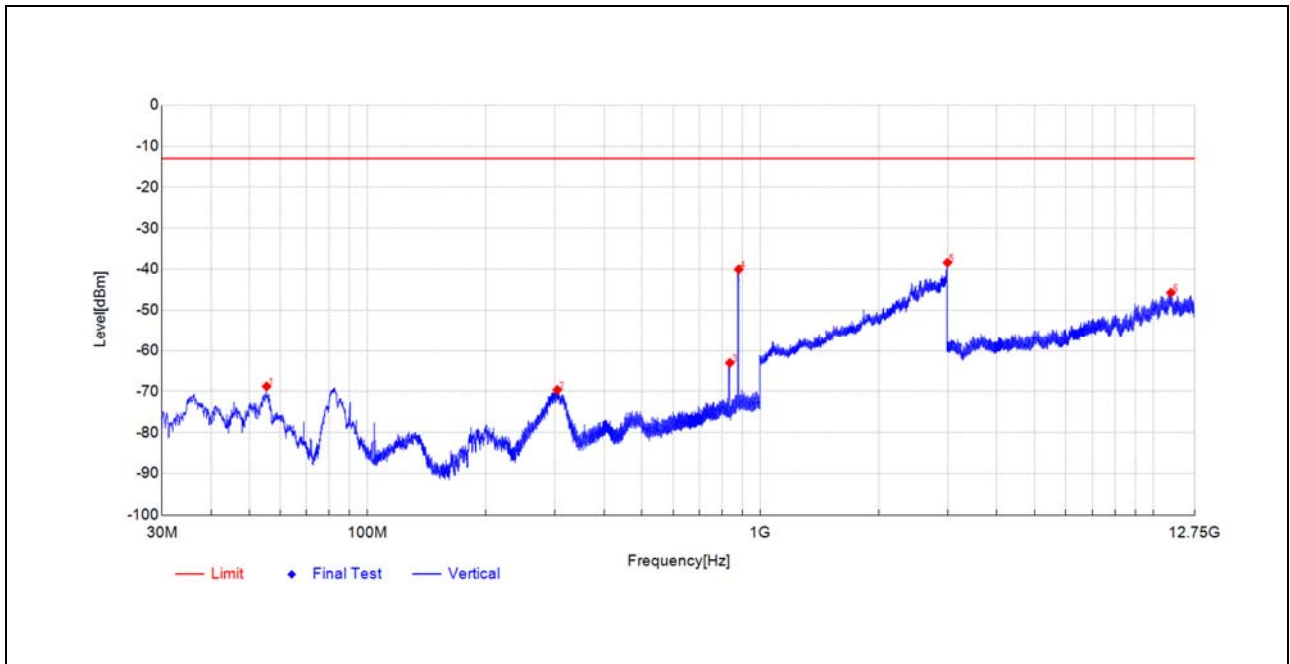


Plot for Mid Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
81.3641	-46.48	-70.17	-23.7	-13.0	57.2	Horizontal	PK	PASS
190.6885	-46.14	-65.34	-19.2	-13.0	52.3	Horizontal	PK	PASS
835.7223	-46.07	-51.63	-5.6	-	-	Horizontal	PK	NA
881.0721	-48.12	-52.86	-4.7	-	-	Horizontal	PK	NA
2997.9996	-55.32	-40.32	15.0	-13.0	27.3	Horizontal	PK	PASS
12053.327	-67.85	-46.54	21.3	-13.0	33.5	Horizontal	PK	PASS

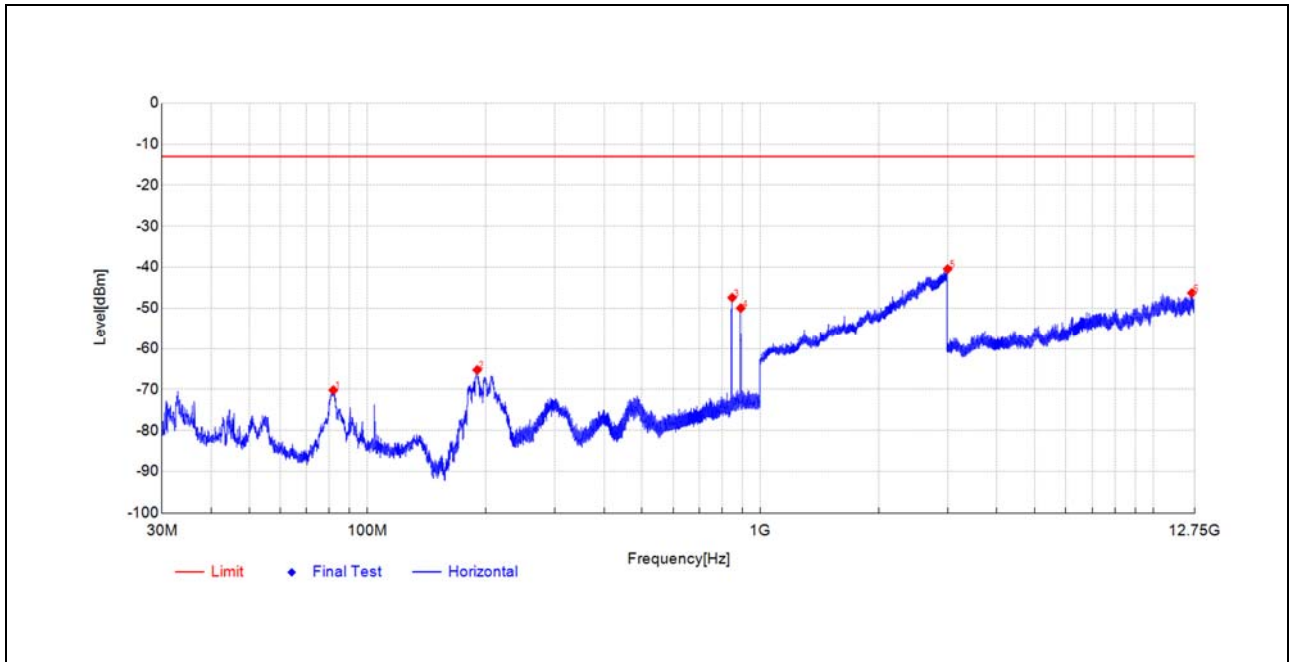




Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
55.3668	-51.79	-68.76	-17.0	-13.0	55.8	Vertical	PK	PASS
304.0387	-53.68	-69.63	-16.0	-13.0	56.6	Vertical	PK	PASS
836.4498	-57.20	-63.03	-5.8	-	-	Vertical	PK	NA
880.975	-35.54	-40.02	-4.5	-	-	Vertical	PK	NA
2995.199	-55.09	-38.37	16.7	-13.0	25.4	Vertical	PK	PASS
11101.680	-68.10	-45.72	22.4	-13.0	32.7	Vertical	PK	PASS

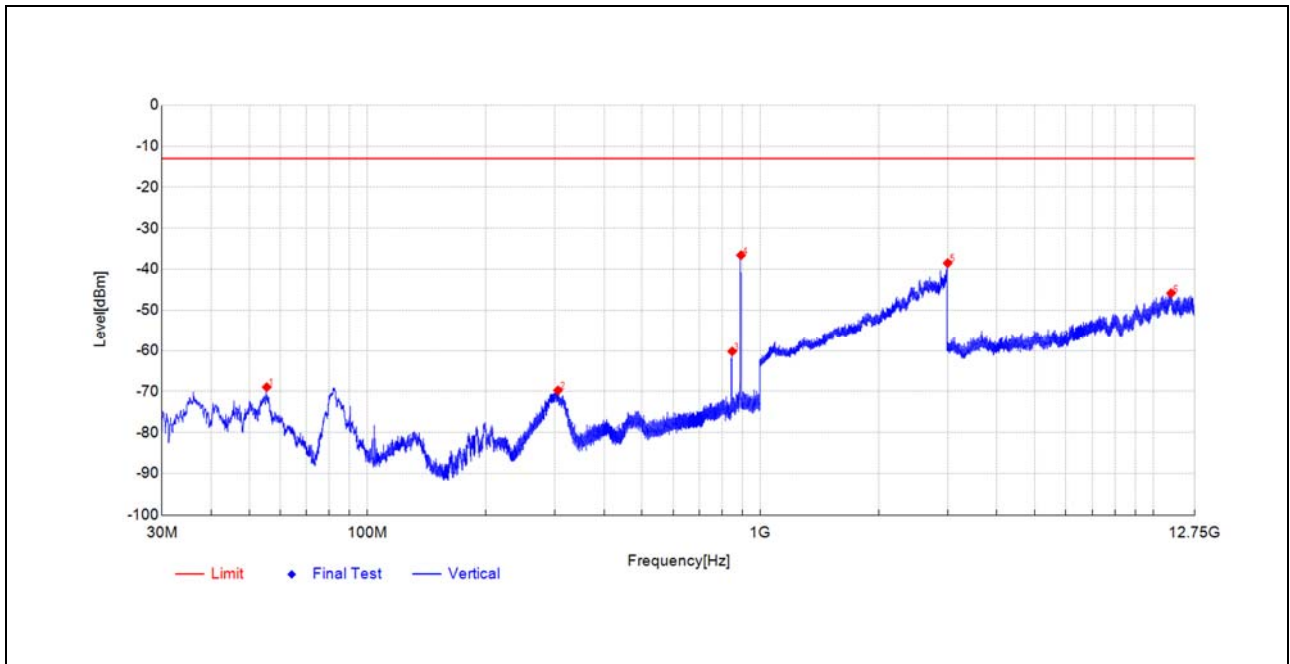


Plot for High Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
81.8491	-46.53	-70.18	-23.7	-13.0	57.2	Horizontal	PK	PASS
190.3005	-45.98	-65.24	-19.3	-13.0	52.2	Horizontal	PK	PASS
847.8964	-42.20	-47.41	-5.2	-	-	Horizontal	PK	NA
891.6456	-45.28	-49.97	-4.7	-	-	Horizontal	PK	NA
2999.5999	-55.45	-40.42	15.0	-13.0	27.4	Horizontal	PK	PASS
12552.065	-69.59	-46.27	23.3	-13.0	33.3	Horizontal	PK	PASS



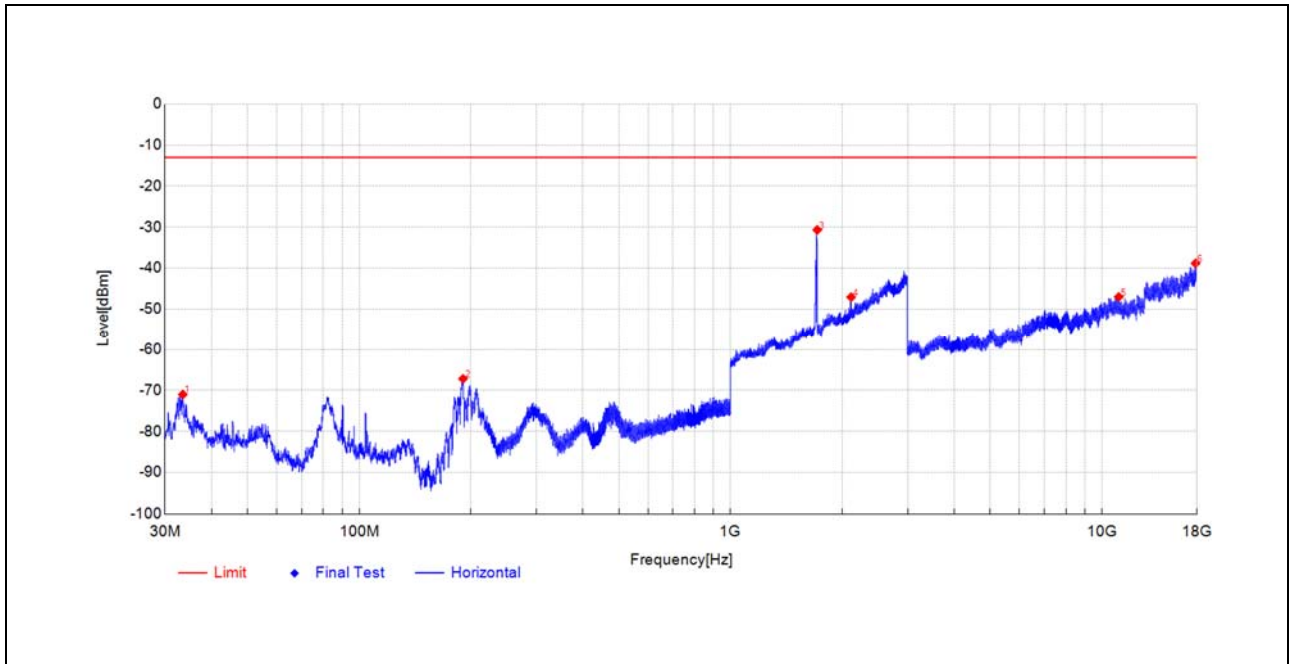


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
55.4153	-51.96	-68.94	-17.0	-13.0	55.9	Vertical	PK	PASS
305.4938	-53.86	-69.74	-15.9	-13.0	56.7	Vertical	PK	PASS
848.0419	-54.67	-60.22	-5.6	-	-	Vertical	PK	NA
892.9551	-32.13	-36.56	-4.4	-	-	Vertical	PK	NA
2999.1998	-55.66	-38.49	17.2	-13.0	25.5	Vertical	PK	PASS
11110.455	-68.08	-45.82	22.3	-13.0	32.8	Vertical	PK	PASS



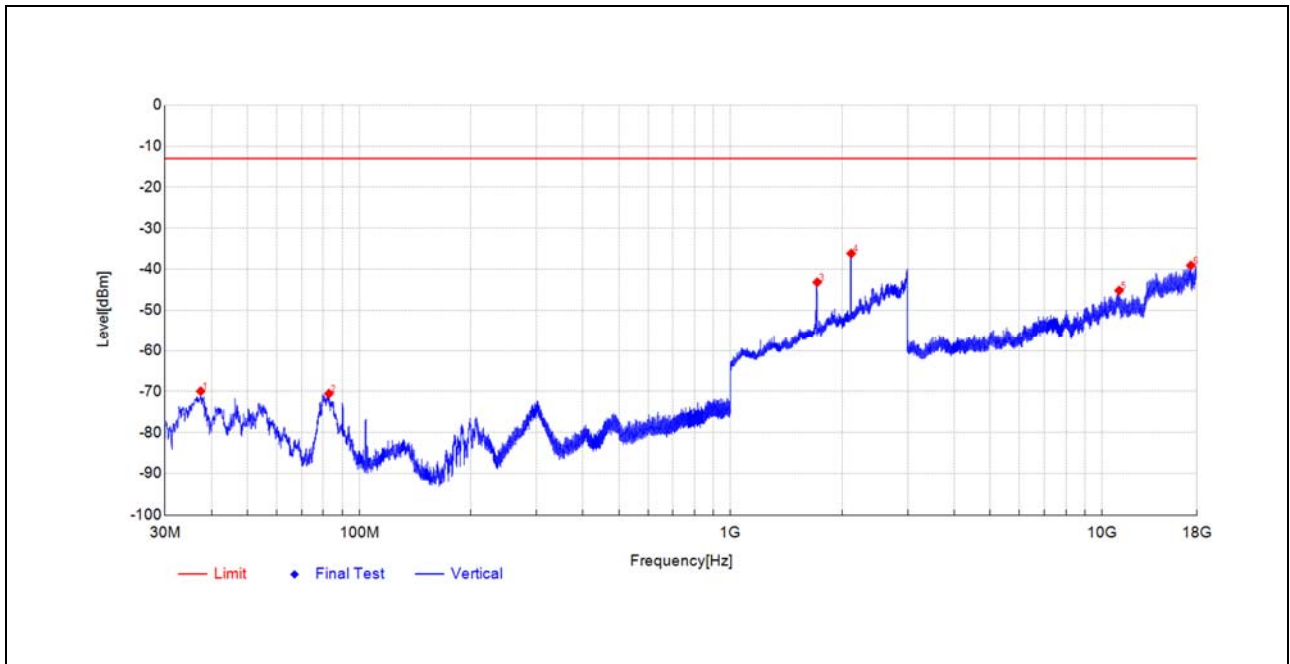
**WCDMA Band IV(WCDMA)**

Plot for Low Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
33.4922	-55.76	-71.00	-15.2	-13.0	58.0	Horizontal	PK	PASS
190.3005	-47.71	-67.18	-19.5	-13.0	54.2	Horizontal	PK	PASS
1711.3423	-33.98	-30.65	3.3	-	-	Horizontal	PK	NA
2111.8224	-52.82	-47.04	5.8	-	-	Horizontal	PK	NA
11097.440	-67.01	-46.98	20.0	-13.0	34.0	Horizontal	PK	PASS
17873.433	-69.40	-38.80	30.6	-13.0	25.8	Horizontal	PK	PASS



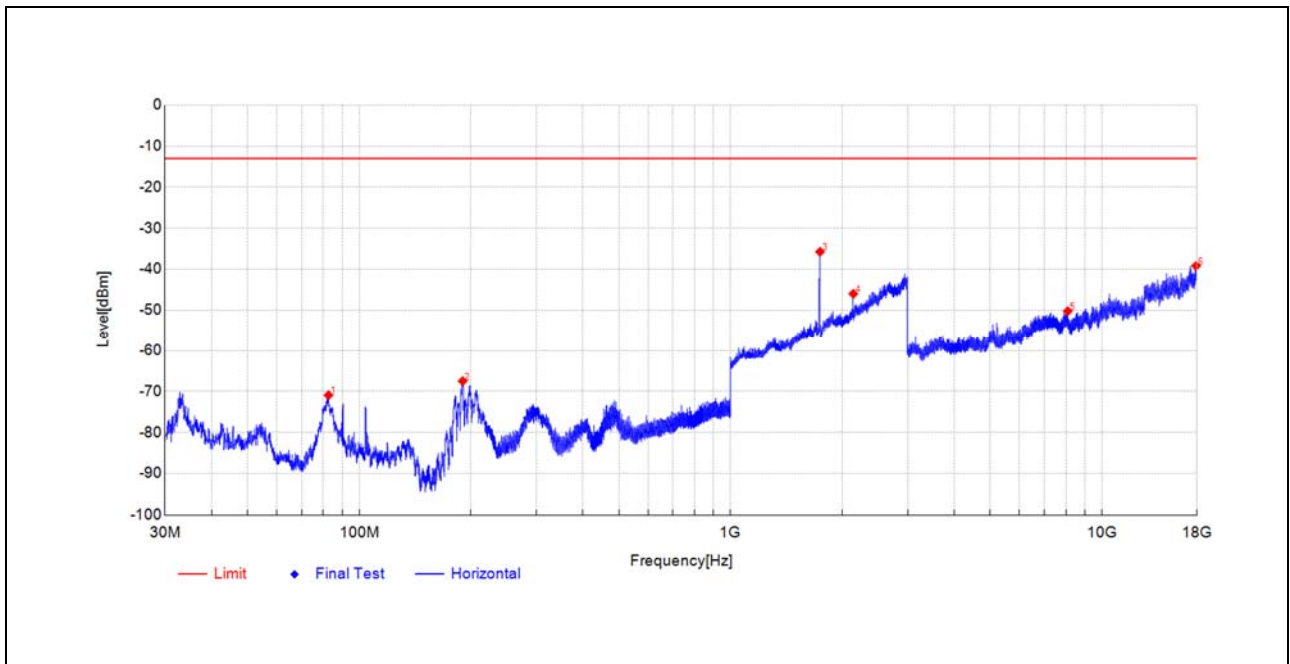


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
37.4209	-47.19	-69.94	-22.8	-13.0	56.9	Vertical	PK	PASS
82.8676	-47.60	-70.54	-22.9	-13.0	57.5	Vertical	PK	PASS
1711.3423	-46.63	-43.15	3.5	-	-	Vertical	PK	NA
2112.6225	-41.73	-36.14	5.6	-	-	Vertical	PK	NA
11126.035	-67.21	-45.17	22.0	-13.0	32.2	Vertical	PK	PASS
17354.511	-69.85	-39.06	30.8	-13.0	26.1	Vertical	PK	PASS



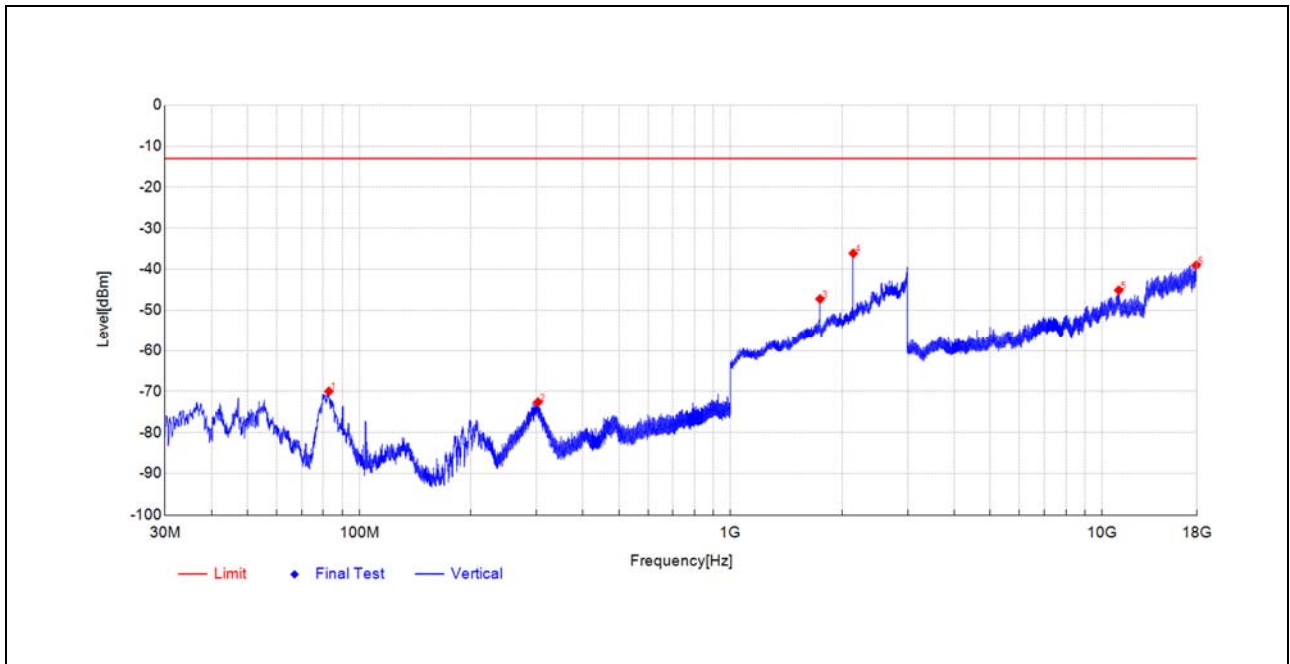


Plot for Mid Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
82.6736	-47.21	-70.92	-23.7	-13.0	57.9	Horizontal	PK	PASS
189.864	-47.93	-67.48	-19.6	-13.0	54.5	Horizontal	PK	PASS
1741.3483	-38.71	-35.73	3.0	-	-	Horizontal	PK	NA
2141.0282	-51.99	-45.97	6.0	-	-	Horizontal	PK	NA
8090.3153	-63.75	-50.21	13.5	-13.0	37.2	Horizontal	PK	PASS
17925.935	-69.65	-39.18	30.5	-13.0	26.2	Horizontal	PK	PASS

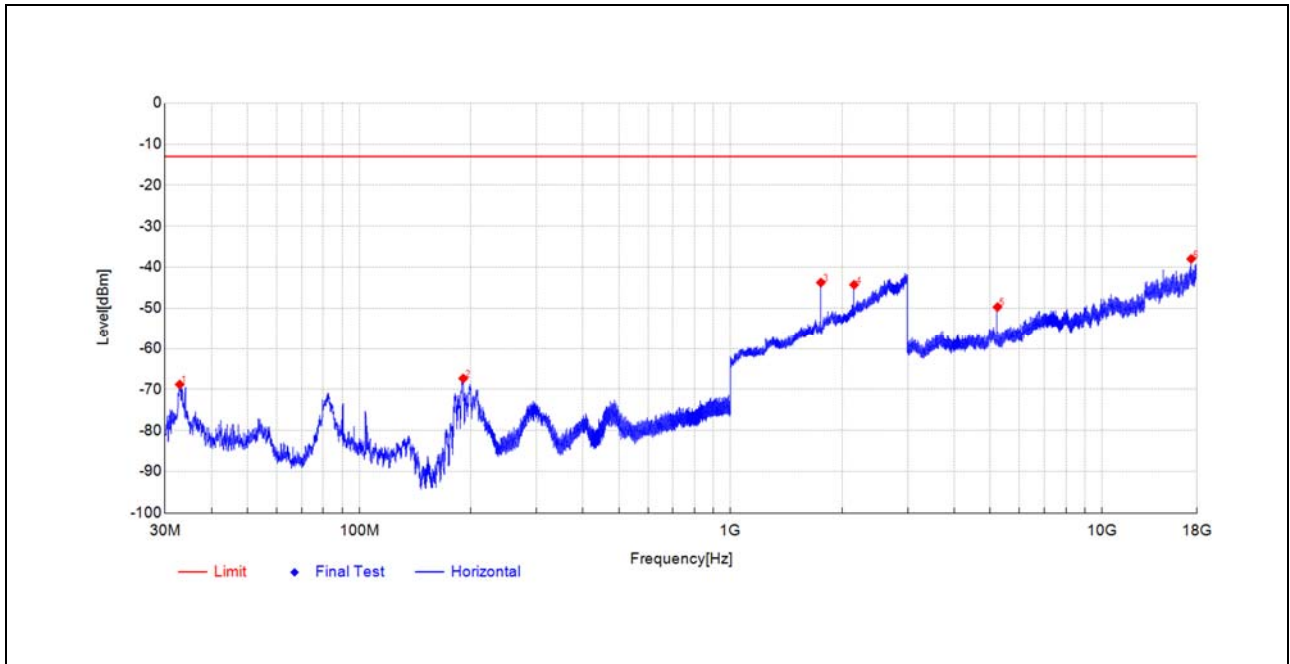




Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
82.8676	-47.04	-69.98	-22.9	-13.0	57.0	Vertical	PK	PASS
302.9716	-56.39	-72.61	-16.2	-13.0	59.6	Vertical	PK	PASS
1741.3483	-50.66	-47.23	3.4	-	-	Vertical	PK	NA
2139.828	-42.00	-36.11	5.9	-	-	Vertical	PK	NA
11102.128	-67.48	-45.10	22.4	-13.0	32.1	Vertical	PK	PASS
17944.217	-69.40	-39.01	30.4	-13.0	26.0	Vertical	PK	PASS

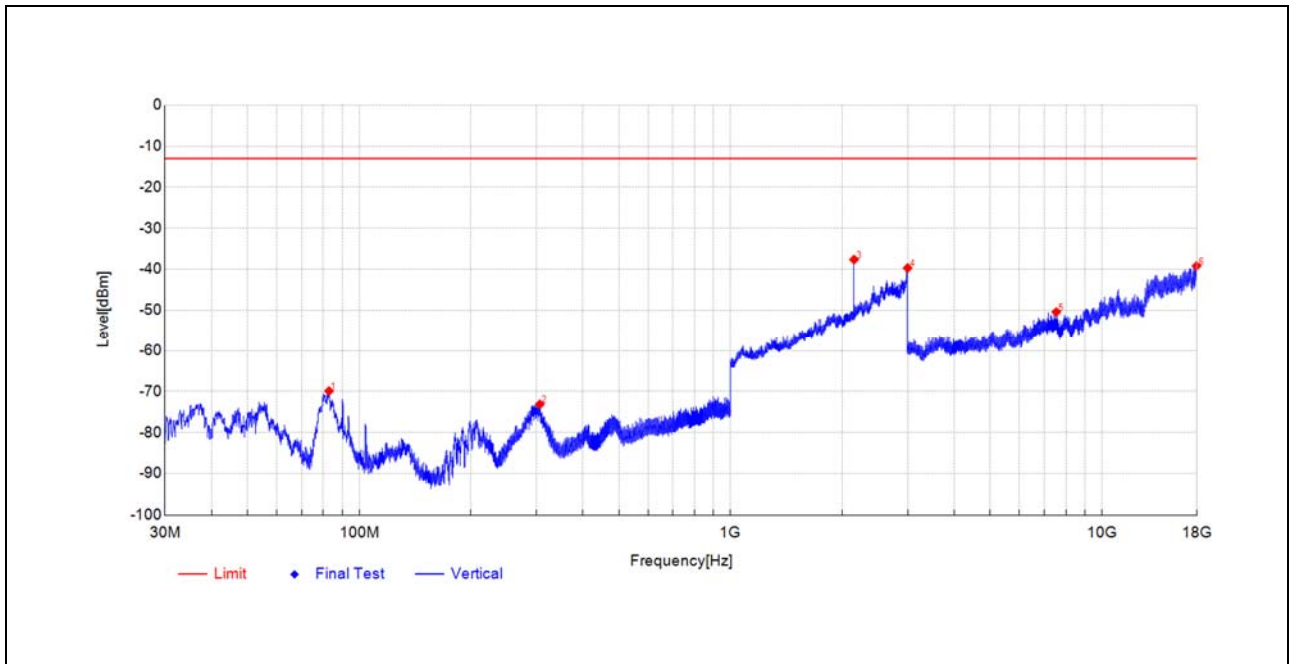


Plot for High Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
32.8616	-53.56	-68.79	-15.2	-13.0	55.8	Horizontal	PK	PASS
190.5915	-47.90	-67.33	-19.4	-13.0	54.3	Horizontal	PK	PASS
1750.5501	-46.64	-43.72	2.9	-	-	Horizontal	PK	NA
2151.0302	-50.27	-44.25	6.0	-	-	Horizontal	PK	NA
5233.6636	-54.92	-49.69	5.2	-13.0	36.7	Horizontal	PK	PASS
17398.106	-69.02	-37.95	31.1	-13.0	25.0	Horizontal	PK	PASS



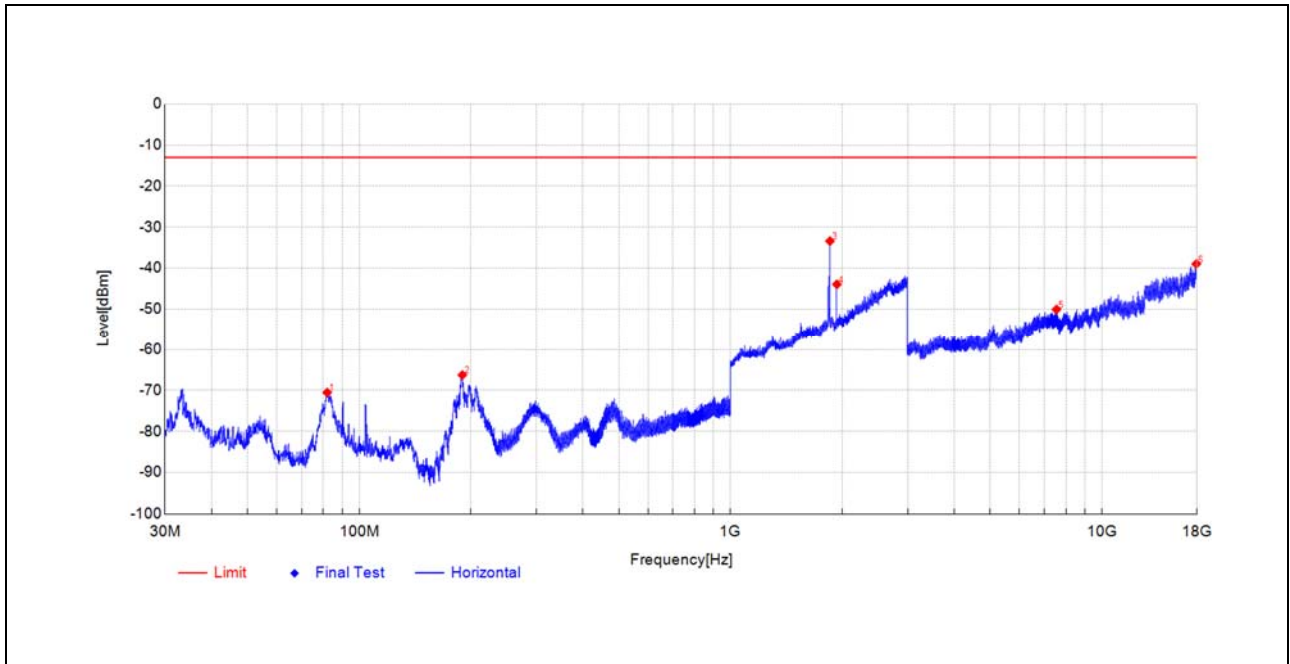


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
82.9161	-46.96	-69.90	-22.9	-13.0	56.9	Vertical	PK	PASS
306.3183	-57.03	-73.13	-16.1	-13.0	60.1	Vertical	PK	PASS
2150.6301	-43.35	-37.62	5.7	-	-	Vertical	PK	NA
2997.9996	-56.14	-39.68	16.5	-13.0	26.7	Vertical	PK	PASS
7534.3604	-62.13	-50.39	11.7	-13.0	37.4	Vertical	PK	PASS
17978.905	-69.18	-39.18	30.0	-13.0	26.2	Vertical	PK	PASS



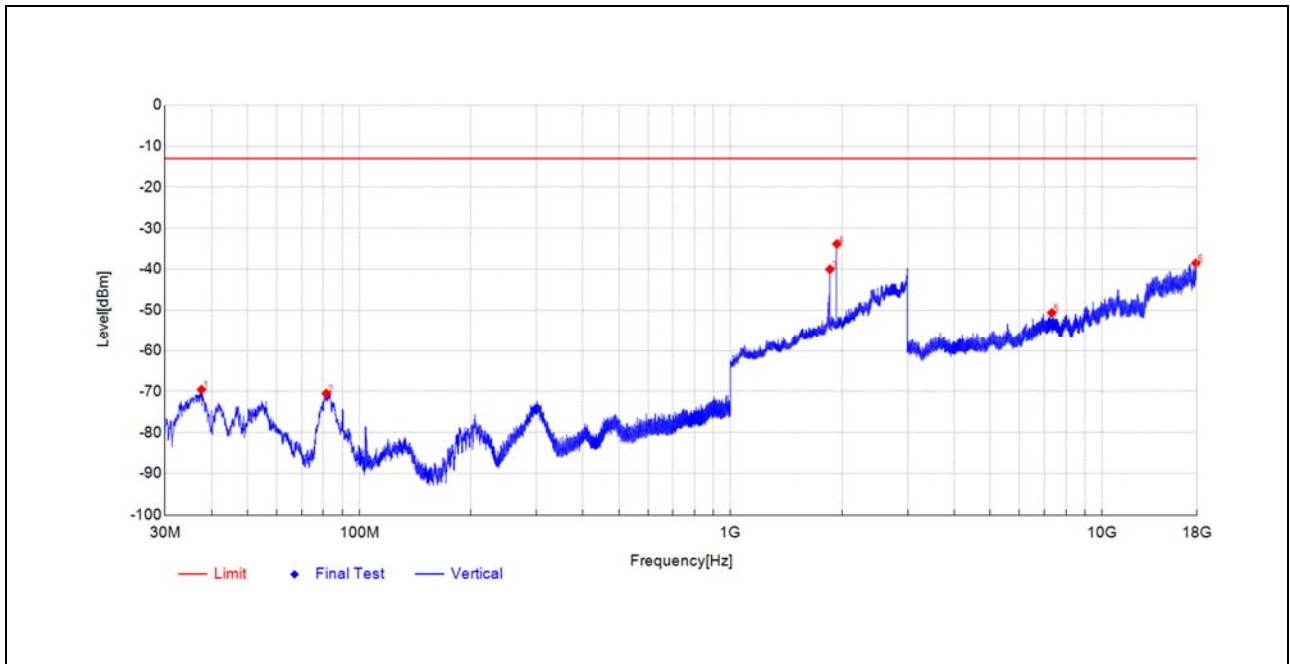
**WCDMA Band II(WCDMA)**

Plot for Low Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
81.9946	-46.74	-70.52	-23.8	-13.0	57.5	Horizontal	PK	PASS
189.5245	-46.61	-66.26	-19.7	-13.0	53.3	Horizontal	PK	PASS
1851.7704	-37.68	-33.38	4.3	-	-	Horizontal	PK	NA
1933.3867	-47.91	-43.93	4.0	-	-	Horizontal	PK	NA
7545.142	-62.17	-50.04	12.1	-13.0	37.0	Horizontal	PK	PASS
17951.248	-69.12	-38.96	30.2	-13.0	26.0	Horizontal	PK	PASS

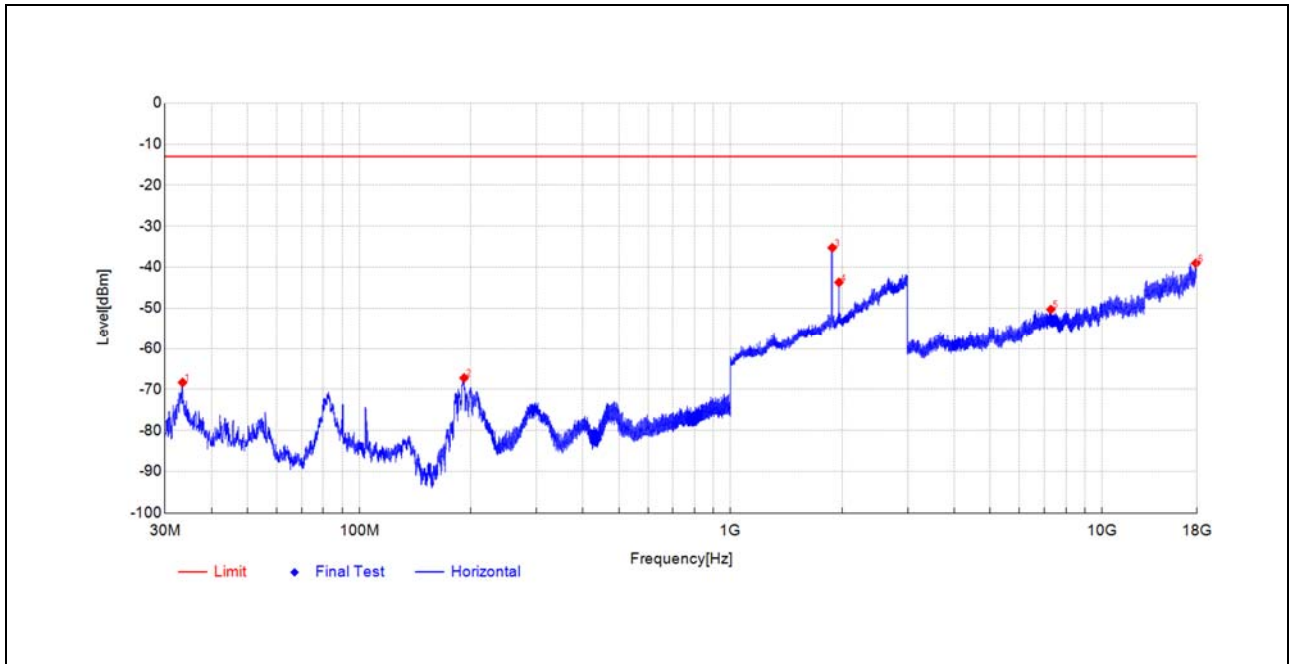




Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
37.6149	-46.87	-69.56	-22.7	-13.0	56.6	Vertical	PK	PASS
81.5581	-47.38	-70.48	-23.1	-13.0	57.5	Vertical	PK	PASS
1851.7704	-44.29	-40.00	4.3	-	-	Vertical	PK	NA
1933.7868	-37.71	-33.82	3.9	-	-	Vertical	PK	NA
7329.5103	-62.63	-50.63	12.0	-13.0	37.6	Vertical	PK	PASS
17908.590	-69.31	-38.51	30.8	-13.0	25.5	Vertical	PK	PASS

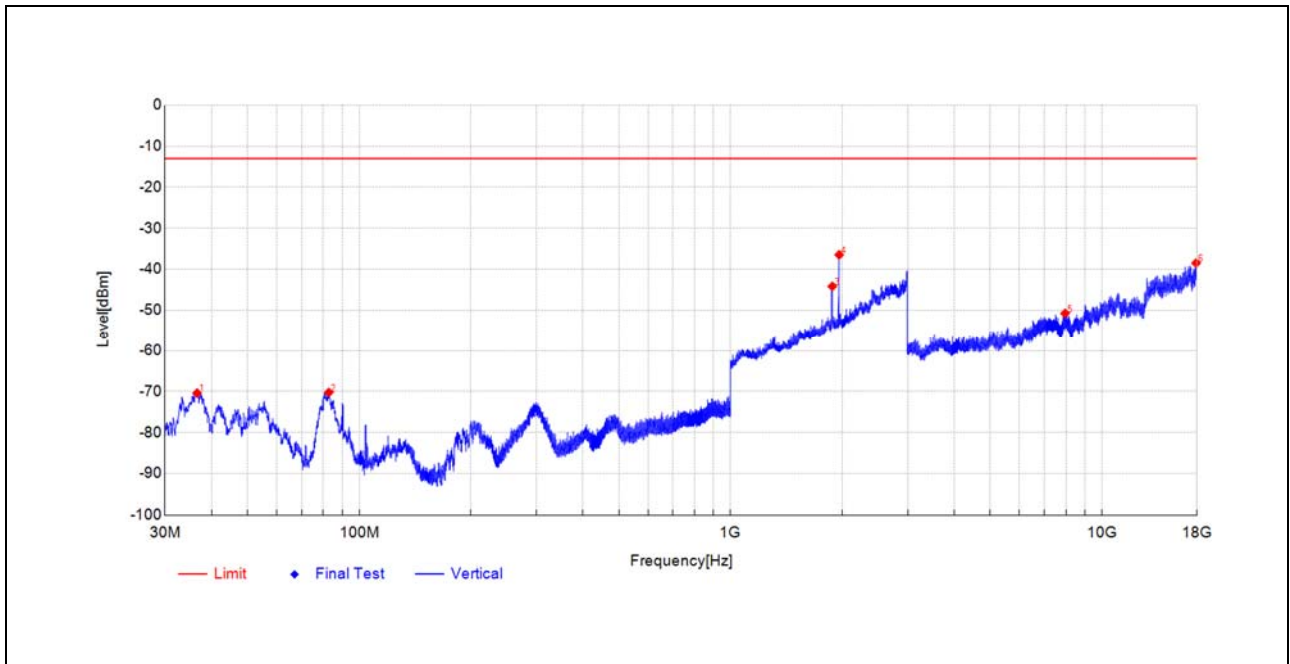


Plot for Mid Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
33.4437	-53.09	-68.31	-15.2	-13.0	55.3	Horizontal	PK	PASS
191.5616	-47.94	-67.22	-19.3	-13.0	54.2	Horizontal	PK	PASS
1878.5757	-40.48	-35.25	5.2	-	-	Horizontal	PK	NA
1958.9918	-48.16	-43.67	4.5	-	-	Horizontal	PK	NA
7287.3215	-62.96	-50.30	12.7	-13.0	37.3	Horizontal	PK	PASS
17912.809	-69.64	-39.00	30.6	-13.0	26.0	Horizontal	PK	PASS

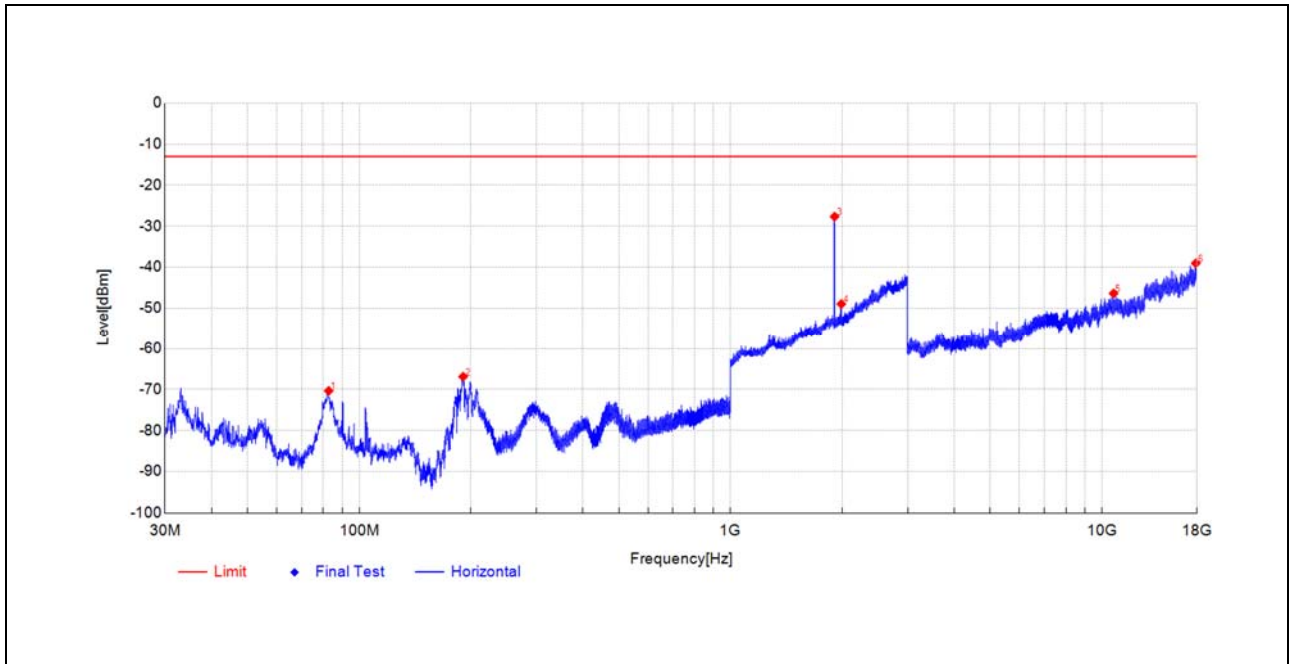




Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
36.5963	-47.36	-70.39	-23.0	-13.0	57.4	Vertical	PK	PASS
82.7706	-47.27	-70.26	-23.0	-13.0	57.3	Vertical	PK	PASS
1878.5757	-49.21	-44.15	5.1	-	-	Vertical	PK	NA
1960.9922	-40.69	-36.46	4.2	-	-	Vertical	PK	NA
7959.0612	-63.53	-50.73	12.8	-13.0	37.7	Vertical	PK	PASS
17932.497	-69.01	-38.48	30.5	-13.0	25.5	Vertical	PK	PASS

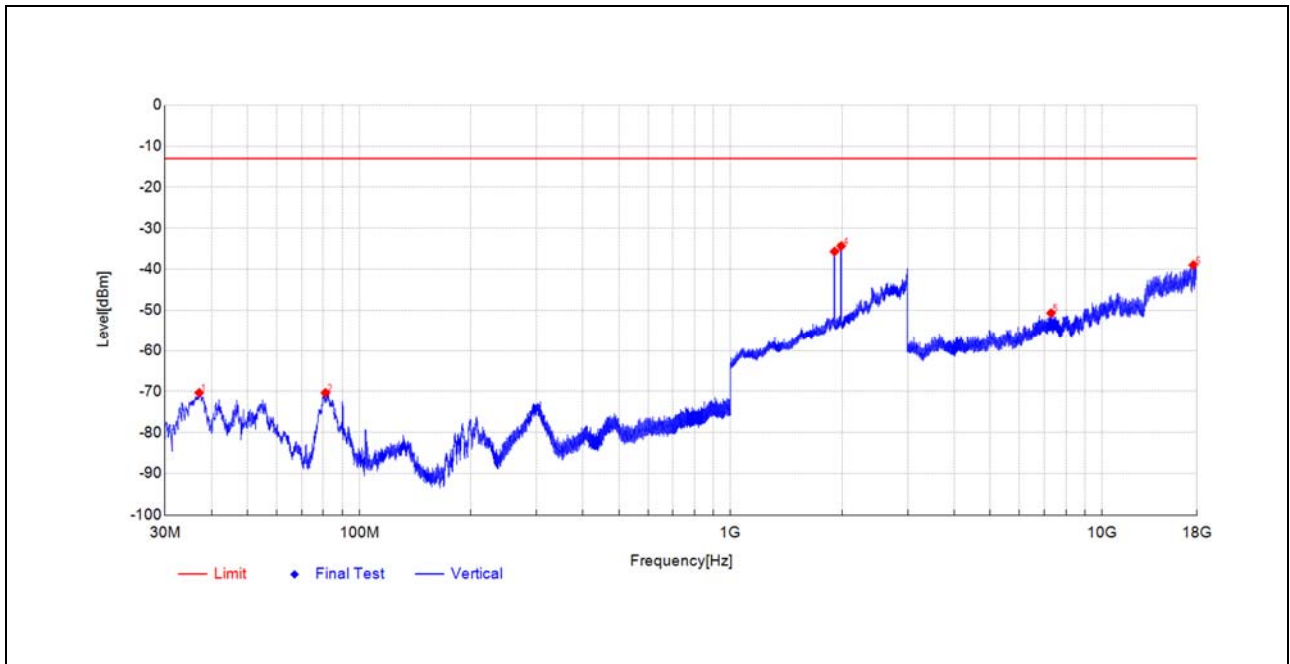


Plot for High Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
82.7706	-46.60	-70.35	-23.8	-13.0	57.4	Horizontal	PK	PASS
190.446	-47.42	-66.90	-19.5	-13.0	53.9	Horizontal	PK	PASS
1906.1812	-31.94	-27.65	4.3	-	-	Horizontal	PK	NA
1987.3975	-53.33	-48.93	4.4	-	-	Horizontal	PK	NA
10748.210	-65.92	-46.37	19.6	-13.0	33.4	Horizontal	PK	PASS
17896.403	-69.78	-39.01	30.8	-13.0	26.0	Horizontal	PK	PASS





Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
37.0814	-47.45	-70.32	-22.9	-13.0	57.3	Vertical	PK	PASS
81.0731	-47.19	-70.33	-23.1	-13.0	57.3	Vertical	PK	PASS
1906.1812	-40.68	-35.65	5.0	-	-	Vertical	PK	NA
1986.1972	-38.88	-34.32	4.6	-	-	Vertical	PK	NA
7295.7592	-62.76	-50.67	12.1	-13.0	37.7	Vertical	PK	PASS
17627.332	-70.66	-38.95	31.7	-13.0	26.0	Vertical	PK	PASS





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.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.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.





REPORT No.: SZ24100003W07

4. Test Equipment Utilized

4.1 Conducted Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
EXA Signal Analyzer	MY51511149	N9020A	Agilent	2024.06.19	2025.06.18
Communication Test Station	6200995016	MT8820C	Anritsu	2024.09.11	2025.09.10
Temperature Chamber	S022177101 00089002	KMT-36LF 1A0	KOMEG	2024.09.11	2025.09.10

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	2024.09.11	2025.09.10
Receiver	MY56060145	N9020A	Agilent	2024.05.30	2025.05.29
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2024.06.22	2025.06.21
Test Antenna - Horn	9120D-963	BBHA 9120D	Schwarzbeck	2024.06.22	2025.06.21
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-K K-0.5	Qualwave	2024.07.03	2025.07.02
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-K KF-2	Qualwave	2024.07.03	2025.07.02
Preamplifier (10MHz-6GHz)	46732	S10M100L38 02	LUCIX CORP.	2024.05.30	2025.05.29
Preamplifier (2GHz-18GHz)	61171/61172	S020180L32 03	LUCIX CORP.	2024.05.30	2025.05.29
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118- 40C-S	Decentest	2024.05.30	2025.05.29
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 V	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
Anechoic Chamber	N/A	9m*6m*6m	CRT	2022.05.10	2025.05.09

END OF REPORT

