Certificate Number: 5055.02

TEST REPORT FOR WCDMA TESTING

Report No.: SRTC2022-9004(F)-22022203(B)

Product Name: Mobile Phone

Product Model: HLTE237E

Applicant: Hisense International Co., Ltd.

Manufacturer: Hisense Communications Co., Ltd.

Specification: FCC Part 24E, Part 22H, Part 27,Part 2 (2021)

FCC ID: 2ADOBHLTE237E

The State Radio_monitoring_center Testing Center (SRTC)

15th Building, No.30 Shixing Street, Shijingshan District, Beijing, P.R.China

Tel: 86-10-57996183 Fax: 86-10-57996388

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1. GENERAL INFORMATION

1.1 Notes of the test report

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1.2 Information about the testing laboratory

Company:	The State Radio_monitoring_center Testing Center (SRTC)
Address:	15th Building, No.30 Shixing Street, Shijingshan District, P.R.China
City:	Beijing
Country or Region:	P.R.China
Contacted person:	Liu Jia
Tel:	+86 10 57996183
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Email:	liujiaf@srtc.org.cn
Designation Number:	CN1267
Registration number:	239125

1.3 Applicant’s details

Company:	Hisense International Co., Ltd.
Address:	Floor 22, Hisense Tower, 17 Donghai Xi Road, Qingdao, 266071, China

1.4 Manufacturer’s details

Company:	Hisense Communications Co., Ltd.
Address:	218 Qianwangang Road, Qingdao Economic & Technological Development Zone, Qingdao, China

1.5 Test Environment

Date of Receipt of test sample at SRTC:	2022-02-22
Testing Start Date:	2022-02-24
Testing End Date:	2022-03-02

Environmental Data:	Temperature (°C)	Humidity (%)
Ambient	25	40
Maximum Extreme	50	---
Minimum Extreme	-30	---

Normal Supply Voltage (V d.c.):	3.87
Maximum Extreme Supply Voltage (V d.c.):	4.45
Minimum Extreme Supply Voltage (V d.c.):	3.5

2 DESCRIPTION OF THE DEVICE UNDER TEST

2.1Final Equipment Build Status

Frequency Range:	WCDMA Band II: Tx:1852.4~1907.6MHz Rx:1932.4~1987.6MHz WCDMA Band IV: Tx:1712.4~1752.6MHz Rx:2112.4~2152.6MHz WCDMA Band V: Tx:826.4~846.6MHz Rx:871.4~891.6MHz
Mode:	HSDPA/HSUPA/HSPA+/DC-HSDPA
Emission Designator:	4M50F9W
Duplex Mode:	FDD
Duplex Spacing:	WCDMA Band II:80MHz WCDMA Band IV:400MHz WCDMA Band V:45MHz
Antenna Type:	IFA
Antenna Gain:	WCDMA Band II: -2.1dBi WCDMA Band IV: -1.9dBi WCDMA Band V: -2.5dBi ERP = EIRP(Power +Gain) – 2.15 (dB)
Power Supply:	DC supply
Software Revision:	Hisense_HLTE237E_S01_01_01_MX00_20220125_1103
Hardware Revision:	KE7S_02
IMEI:	868359060003481

2.2 Support Equipment

The following support equipment was used to exercise the DUT during testing:
N/A

3 REFERENCE SPECIFICATION

Specification	Version	Title
FCC Part2	2021	Frequency allocations and radio treaty matters; general rules and regulations
FCC Part22	2021	Public mobile services
FCC Part24	2021	Personal communications services
FCC Part27	2021	Miscellaneous wireless communications services
ANSI C63.26	2015	American national standard for compliance testing of transmitters used in licensed radio services
KDB 971168 D01	April 9, 2018	Measurement guidance for certification of licensed digital transmitters
TIA-603-E-2016	March 2016	Land Mobile FM or PM Communications Equipment Measurement and Performance Standards

4 KEY TO NOTES AND RESULT CODES

The following are the definition of the test result.

Code	Meaning
PASS	Test result shows that the requirements of the relevant specification have been met.
FAIL	Test result shows that the requirements of the relevant specification have not been met.
NT	Normal Temperature
NV	Nominal voltage
HV	High voltage
LV	Low voltage

5 RESULT SUMMARY

No.	Test case	FCC reference	Verdict
1	RF Power Output	2.1046	Pass
2	Effective Radiated Power and Effective Isotropic Radiated Power	22.913(a),24.232(c),27.50(d)(4)	Pass
3	Occupied Bandwidth	2.1049	Pass
4	Emission Bandwidth	2.1049	Pass
5	Spurious Emissions at antenna terminal	2.1051,22.917(a),24.238(a),27.53(h)	Pass
6	Band Edges Compliance	2.1051,22.917(a),24.238(b),27.53(h)	Pass
7	Frequency Stability	2.1055,22.355,24.235,27.54	Pass
8	Radiated Spurious Emissions	2.1053,22.917(a),24.238(a),27.53(h)	Pass
9	Peak-Average Ratio	24.232(d),27.50(d) (5)	Pass

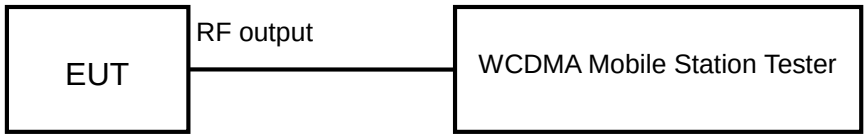
This Test Report Is Issued by: Mr. Peng Zhen	Checked by: Mr. Li Bin
Tested by: Mr. Liu Ce	Issued date: 20220304

6 TEST RESULT

6.1 RF Power Output

Rule Part(s):
2.1046

Test Setup:



Test procedure:
After a radio link has been established between EUT and Tester, the output power of the cell signal of the testing equipment will be decreased until the output power of the EUT reach a maximum value. Then the test data can be read at the tester screen. The loss between RF output port of the EUT and the input port of the tester will be taken into consideration.
The measurement will be conducted at three channels (Low, middle and High channels).

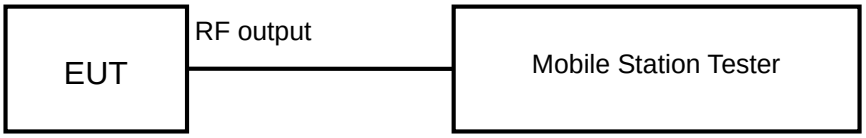
Limits: Limits: No specific conduct power requirements in part 2.1046.

Test result:
The test results are shown in Appendix A.

6.2 Effective Radiated Power and Effective Isotropic Radiated Power

Rule Part(s):
FCC: 22.913(a) (5), 24.232(c), 27.50(d) (4)

Test setup:



Test procedure:
KDB 971168 D01 v03r01 – Section 5.6
Test Settings
Subclause 5.2.5.5 of ANSI C63.26-2015 is applicable, along with the following provisions. For personal/portable radios utilizing an integral antenna, the factor LC is typically negligible. However, in a fixed station transmit system that utilizes a long cable run between the transmitter and the transmitting antenna, this factor can be significant. The minimum cable loss should be used in this equation.
The relevant equation for determining the ERP or EIRP from the conducted RF output power measured is:
ERP/EIRP = PMeas – LC + GT
Where:
ERP/EIRP = effective or equivalen radiated power, respectively (expressed in the same units as PMeas, typically dBW or dBm)
PMeas = measured transmitter output power or PSD, in dBW or dBm
LC = signal attenuation in the connecting cable between the transmitter and antenna in dB
GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

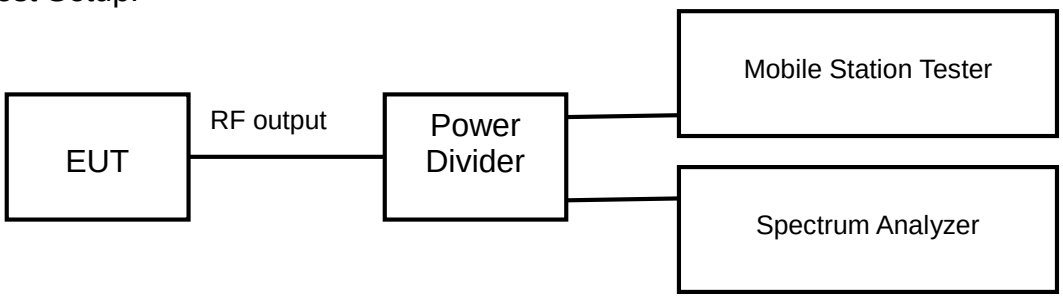
ERP/EIRP LIMIT

This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15dB) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP – 2.15 (dB).
22.913(a) (5)
The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.
24.232(c)
Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.
27.50(d) (4)
Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP. Fixed stations operating in the 1710-1755 MHz band are limited to a maximum antenna height of 10 meters above ground. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications
Test result:
The test results are shown in Appendix A.

6.3 Occupied Bandwidth

Rule Part(s):
FCC: 2.1049

Test Setup:



Test procedure:
KDB 971168 D01 v03r01 – Section 4.2

Test Settings
1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 99% occupied bandwidth and the 26dB bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1 – 5% of the expected OBW
3. VBW ≥ 3 x RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. The trace was allowed to stabilize
8. If necessary, steps 2 – 7 were repeated after changing the RBW such that it would be within 1 – 5% of the 99% occupied bandwidth observed in Step 7

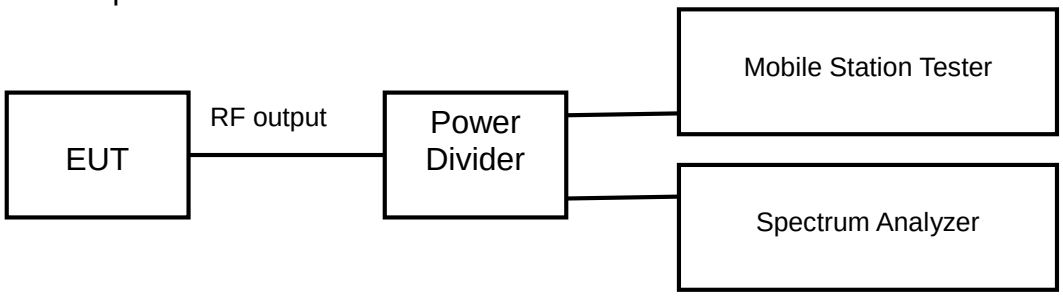
Limits: No specific occupied bandwidth requirements in part 2.1049

Test result:
The test results are shown in Appendix A.

6.4 Emission Bandwidth

Rule Part(s):
FCC: 2.1049

Test Setup:



Test procedure:
KDB 971168 D01 v03r01 – Section 4.2

Test Settings
1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 26dB occupied bandwidth and the 26dB bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1 – 5% of the expected OBW
3. VBW ≥ 3 x RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. The trace was allowed to stabilize
8. If necessary, steps 2 – 7 were repeated after changing the RBW such that it would be within 1 – 5% of the emission bandwidth observed in Step 7

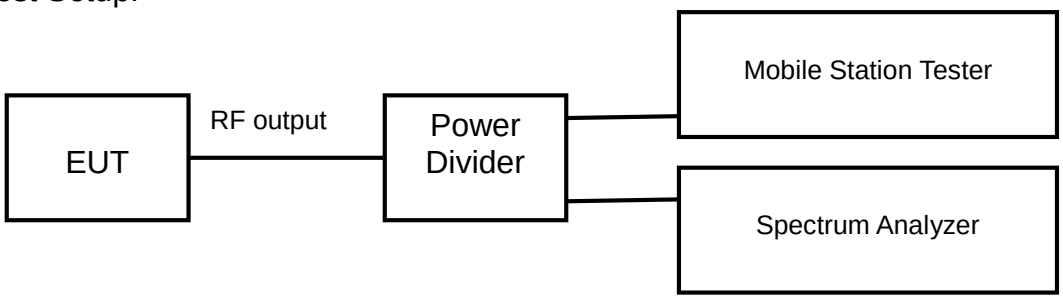
Limits: No specific occupied bandwidth requirements in part 2.1049

Test result:
The test results are shown in Appendix A.

6.5 Spurious Emissions at antenna terminal

Rule Part(s):
FCC: 2.1051, 22.917(a), 24.238(a), 27.53(h)

Test Setup:



Test procedure:
KDB 971168 D01 v03r01 – Section 6.0

Test Settings
1. Start frequency was set to 30MHz and stop frequency was set to 10GHz for Cell, 20GHz for PCS
2. RBW=100 kHz (For below 1GHz), 1MHz (For above 1GHz)
3. VBW ≥ 3 x RBW
4. Detector = RMS
5. Trace mode = trace average for continuous emissions, max hold for pulse emissions
6. Sweep time = auto couple
7. The trace was allowed to stabilize

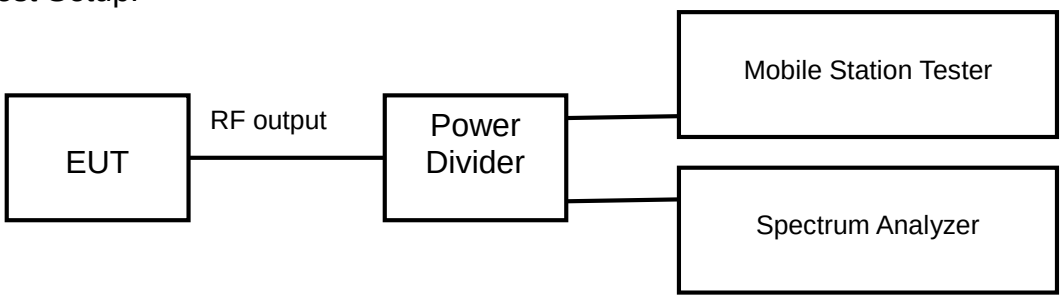
Limits:
The minimum permissible attenuation level of any spurious emission is $43+\log_{10}(P_{[Watts]})$, where P is the transmitter power in Watts.

Test result:
The test results are shown in Appendix A.

6.6 Band Edges Compliance

Rule Part(s)
FCC: 2.1051, 22.917(a), 24.238(a), 27.53(c)

Test Setup:



Test procedure:
KDB 971168 D01 v03r01 – Section 6.0

Test Settings
1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span=2MHz
3. RBW > 1% of the emission bandwidth
4. VBW > 3 x RBW
5. Detector = RMS
6. Number of sweep points ≥ 2 x Span/RBW
7. Trace mode = trace average for continuous emissions, max hold for pulse emissions
8. Sweep time = auto couple
9. The trace was allowed to stabilize

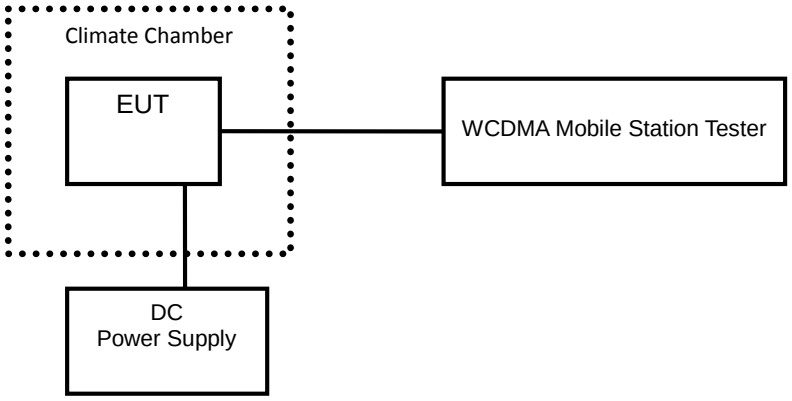
Limit: The minimum permissible attenuation level of any spurious emission is $43+\log_{10}(P_{[Watts]})$, where P is the transmitter power in Watts.

Test result:
The test results are shown in Appendix A.

6.7 Frequency Stability

Rule Part(s)
FCC: 2.1055, 22.355, 24.235, 27.54

Test setup:



Test Procedure:
ANSI/TIA-603-E-2016

Test Settings
1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C (The temperature range can be declared by the manufacturer). A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

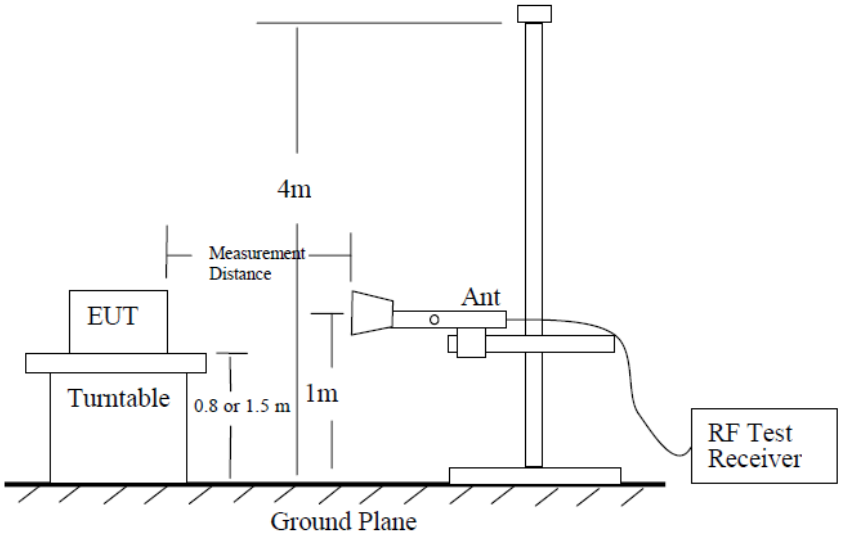
Limits: For Part 22, the frequency stability of the transmitter shall be maintained within±0.00025% (±2.5 ppm) of the center frequency. For Part 24, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test result:
The test results are shown in Appendix A.

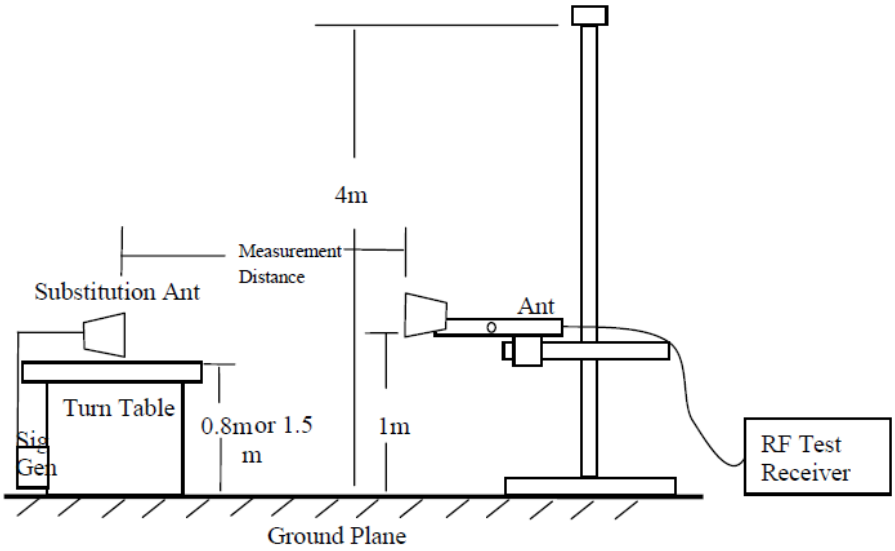
6.8 Radiated Spurious Emissions

Rule Part(s)
FCC: 2.1053, 22.917(a), 24.238(a), 27.53(h)

Test Setup:



Step 1



Step 2

Test procedure:
The measurements procedures in TIA-603-E-2016 are used.
The spectrum was scanned from 30MHz to the 10th harmonic of the highest frequency generated within the equipment.
Step 1:
The measurement is carried out in the chamber. EUT was placed on a 0.8m (f<1GHz)/ 1.5m (f>1GHz) high non-conductive table at a 3 meters test distance from the test receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT. The height of receiving antenna from 1m to 4m and varies in certain range to find the maximum

power value. A radio link shall be established between EUT and Tester. The output power of the cell signal of the tester will be decreased until the output power of the EUT reach a maximum value. A peak detector is used and RBW is set to 100 kHz (f<1GHz)/1MHz (f>1GHz). The antenna shall be performed under horizontal and vertical polarization. The turn table shall be rotated from 0 to 360 degrees for detecting the maximum power value on spectrum analyzer or receiver. The spectrum analyzer scans from 30MHz to 10th harmonic of the carrier. A notch filter is necessary in the band near to the carrier frequency. A high pass filter is needed to avoid the distortion of the testing equipment in the band above the carrier frequency.

Step 2:

A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.

A power (Pmea) is applied to the input of the substitution antenna, and adjusts the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (Pmea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

A “reference path loss” should be calculated after test. The attenuation of “reference path loss” is the cable loss between the Signal Source with the Substitution Antenna (Pca) and the Substitution Antenna Gain (Ga).

Calculation procedure:

The data of cable loss and antenna gain has been calibrated in full testing frequency range before the testing.

The power of the Radiated Spurious Emissions is calculated by adding the cable loss and antenna gain. The basic equation with a sample calculation is as followed:

Power (EIRP) = Pmea+ Pca + Ga

This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15dB) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP – 2.15 (dB).

Assumed the power of signal source record is -20dBm. A cable loss of -30dB, and an antenna gain of 11dB are added.

P=Pmea+Pca+Ga=(-20dBm)+(-30dB)+(11dB)= -39dBm

Note: We tested both horizontal and vertical polarization, but only the largest numerical polarity of the two polarities was recorded in the final report.

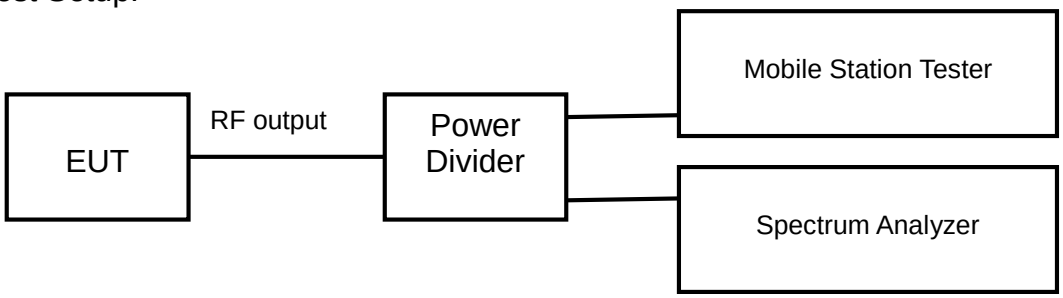
Test result:

The test results are shown in Appendix B.

6.9 Peak-Average Ratio

Rule Part(s)
FCC: 24.232(d), 27.50(d) (5)

Test Setup:



Test procedure:
KDB 971168 D01 v03r01 – Section 5.7.1

Test settings:
1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW > Emission bandwidth of signal
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

Limits: the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.
.
Test result:
The test results are shown in Appendix A

7 MEASUREMENT UNCERTAINTIES

Items	Uncertainty	
RF Power Output	0.6 dB	
Effective Radiated Power and Effective Isotropic Radiated Power	0.6 dB	
Occupied Bandwidth	3kHz	
Emission Bandwidth	3kHz	
Peak-Average Ratio	0.8dB	
Frequency Stability	48Hz	
Band Edges Compliance	1.2dB	
Spurious Emissions at antenna terminal	9kHz~2GHz	1.2dB
	2G~3.6GHz	1.4dB
	3.6G~8GHz	2.2dB
	8G~12.75GHz	2.7dB
Radiated Emission Measurement	30MHz～200MHz	4.88dB
	200MHz～1GHz	4.87dB
	1GHz～18GHz	4.58dB
	18GHz~40GHz	4.35dB

8 TEST EQUIPMENTS

No.	Name/Model	Manufacturer	S/N	Calibration Date	Calibration Due Date
1	Mobile Station Tester / MT8820C	Anritsu	6201300660	2021.06.21	2022.06.20
2	Radio Communication Station / CMW500	R&S	161702	2021.06.21	2022.06.20
3	Spectrum Analyzer / FSV40	R&S	101065	2021.06.21	2022.06.20
4	Spectrum Analyzer / N9020A	Agilent	MY48010771	2021.05.18	2022.05.17
5	Power Divider / 11667A	HP	19632	2021.06.21	2022.06.20
6	DC Power Supply / E3645A	Agilent	MY40000741	2021.04.22	2022.04.21
7	Temperature chamber / SH241	ESPEC	92013758	2021.06.21	2022.06.20
8	Fully-Anechoic Chamber / 12.65m×8.03m×7.50m	FRANKONIA	-----	-----	-----
9	Semi-Anechoic/Chamber / 23.18m×16.88m×9.60m	FRANKONIA	---	-----	-----
10	Turn table Diameter:1m	FRANKONIA	-----	-----	-----
11	Turn table Diameter:5m	FRANKONIA	-----	-----	-----
12	Antenna master FAC(MA4.0)	MATURO	-----	-----	-----
13	Antenna master SAC(MA4.0)	MATURO	-----	-----	-----
14	Shielding room / 9.080m×5.255m×3.525m	FRANKONIA	-----	-----	-----
15	Double-Ridged Waveguide Horn Antenna / HF 907	R&S	100512	2021.06.21	2022.06.20
16	Double-Ridged Waveguide Horn Antenna / HF 907	R&S	100513	2021.06.21	2022.06.20
17	Ultra log antenna / HL562	R&S	100016	2021.06.21	2022.06.20
18	Receive antenna /3160-09	SCHWARZ-BECK	002058-002	2021.06.21	2022.06.20
19	EMI test receiver / ESI 40	R&S	100015	2021.06.21	2022.06.20
20	EMI test receiver / ESCS30	R&S	100029	2021.06.21	2022.06.20
21	Receive antenna / HL562	R&S	100167	2021.06.21	2022.06.20
22	AMN / ENV216	R&S	3560.6550.12	2021.06.21	2022.06.20

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

WCDMA band II

1. RF Power Output

WCDMA band II

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
Release 99	RMC,12.2kbps	1852.4	9262	23.09
Release 99	RMC,12.2kbps	1880	9400	22.91
Release 99	RMC,12.2kbps	1907.6	9538	23.09

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSDPA	Subtest1	1852.4	9262	20.99
HSDPA	Subtest1	1880	9400	20.93
HSDPA	Subtest1	1907.6	9538	21.05
HSDPA	Subtest2	1852.4	9262	20.98
HSDPA	Subtest2	1880	9400	20.93
HSDPA	Subtest2	1907.6	9538	21.06
HSDPA	Subtest3	1852.4	9262	20.97
HSDPA	Subtest3	1880	9400	20.96
HSDPA	Subtest3	1907.6	9538	21.06
HSDPA	Subtest4	1852.4	9262	20.95
HSDPA	Subtest4	1880	9400	20.94
HSDPA	Subtest4	1907.6	9538	21.04

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSUPA	Subtest1	1852.4	9262	20.89
HSUPA	Subtest1	1880	9400	20.89
HSUPA	Subtest1	1907.6	9538	21.02
HSUPA	Subtest2	1852.4	9262	20.87
HSUPA	Subtest2	1880	9400	20.90
HSUPA	Subtest2	1907.6	9538	21.01
HSUPA	Subtest3	1852.4	9262	20.89
HSUPA	Subtest3	1880	9400	20.89
HSUPA	Subtest3	1907.6	9538	21.01
HSUPA	Subtest4	1852.4	9262	20.89
HSUPA	Subtest4	1880	9400	20.88
HSUPA	Subtest4	1907.6	9538	21.02
HSUPA	Subtest5	1852.4	9262	21.41
HSUPA	Subtest5	1880	9400	21.35
HSUPA	Subtest5	1907.6	9538	21.48

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSPA+	QPSK	1852.4	9262	20.91
HSPA+	QPSK	1880	9400	20.87
HSPA+	QPSK	1907.6	9538	21.02
HSPA+	16QAM	1852.4	9262	20.88
HSPA+	16QAM	1880	9400	20.87
HSPA+	16QAM	1907.6	9538	21.08

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
DC-HSDPA	Subtest1	1852.4	9262	20.98
DC-HSDPA	Subtest1	1880	9400	20.93
DC-HSDPA	Subtest1	1907.6	9538	21.07
DC-HSDPA	Subtest2	1852.4	9262	20.96
DC-HSDPA	Subtest2	1880	9400	20.94
DC-HSDPA	Subtest2	1907.6	9538	21.07
DC-HSDPA	Subtest3	1852.4	9262	20.95
DC-HSDPA	Subtest3	1880	9400	20.93
DC-HSDPA	Subtest3	1907.6	9538	21.07
DC-HSDPA	Subtest4	1852.4	9262	20.97
DC-HSDPA	Subtest4	1880	9400	20.93
DC-HSDPA	Subtest4	1907.6	9538	21.07

2. Occupied Bandwidth

WCDMA band II

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
Release 99	1852.4	9262	4.20
Release 99	1880	9400	4.17
Release 99	1907.6	9538	4.20

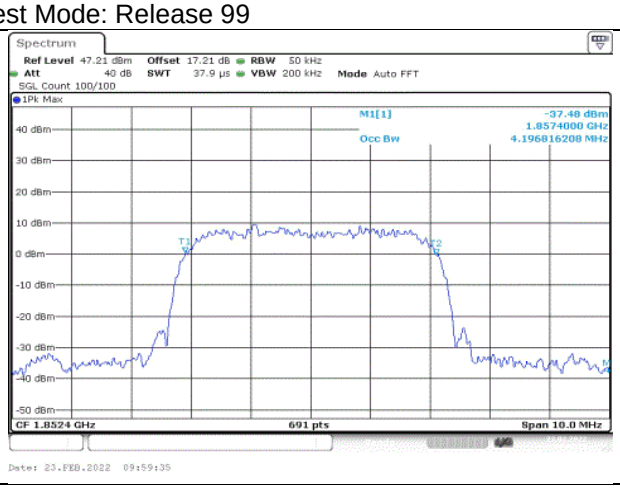
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSDPA	1852.4	9262	4.17
HSDPA	1880	9400	4.17
HSDPA	1907.6	9538	4.20

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSUPA	1852.4	9262	4.20
HSUPA	1880	9400	4.14
HSUPA	1907.6	9538	4.18

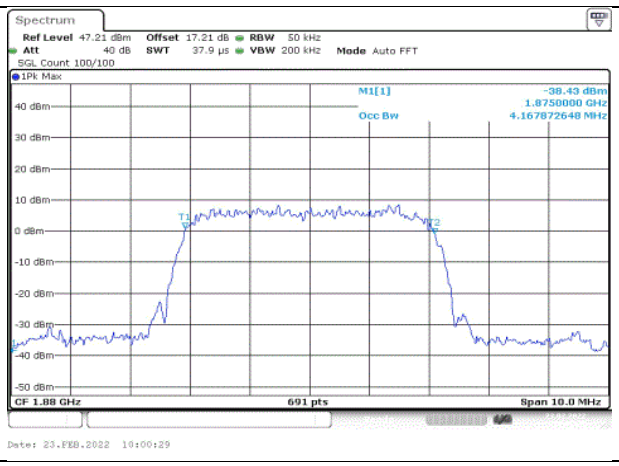
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSPA+	1852.4	9262	4.20
HSPA+	1880	9400	4.18
HSPA+	1907.6	9538	4.18

WCDMA band II

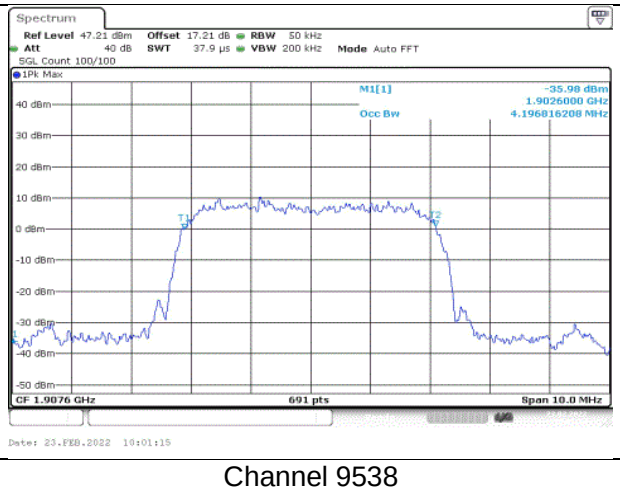
Test Mode: Release 99



Channel 9262

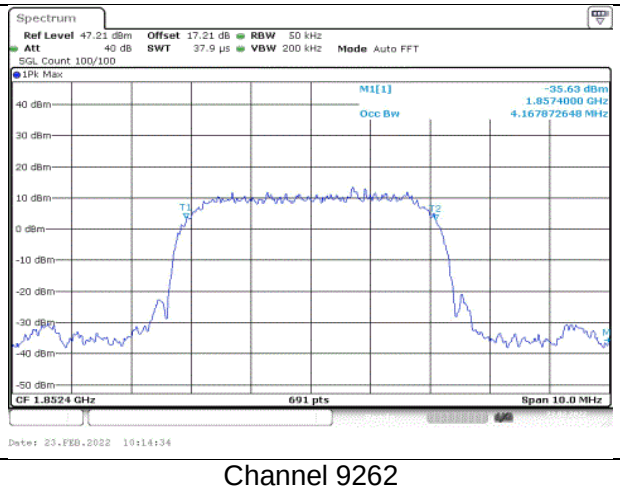


Channel 9400

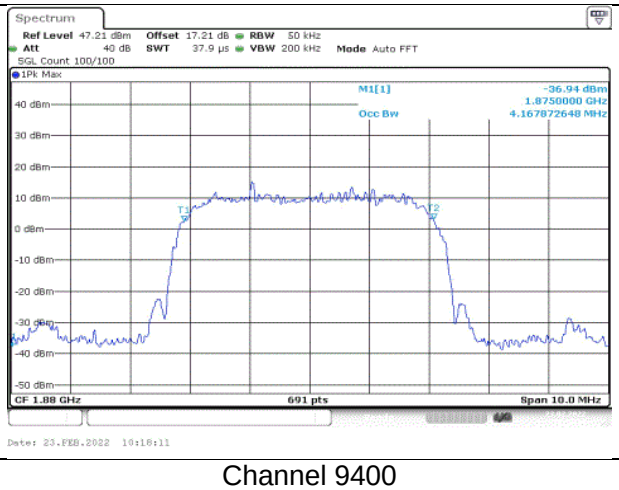


Channel 9538

Test Mode: HSDPA



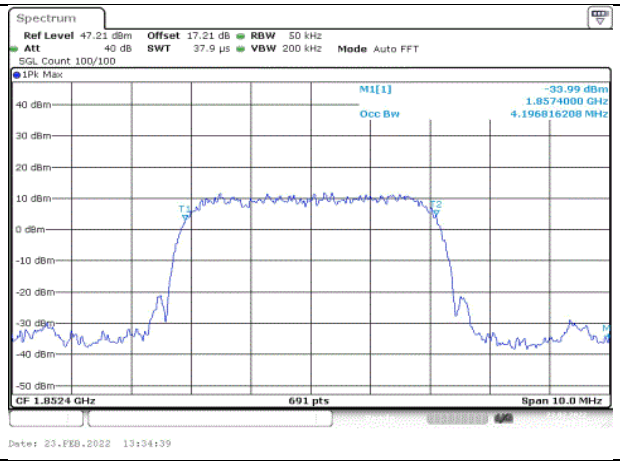
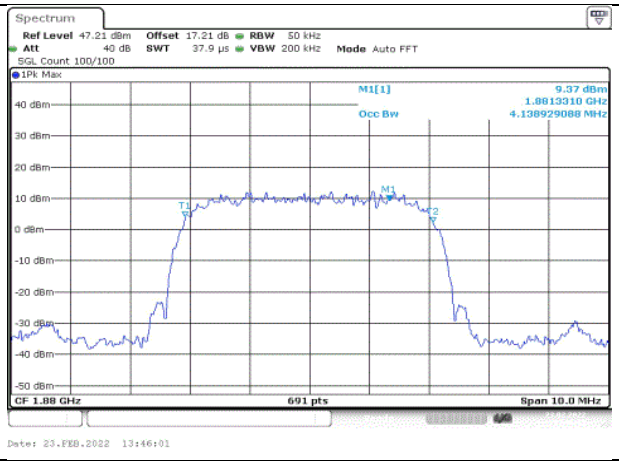
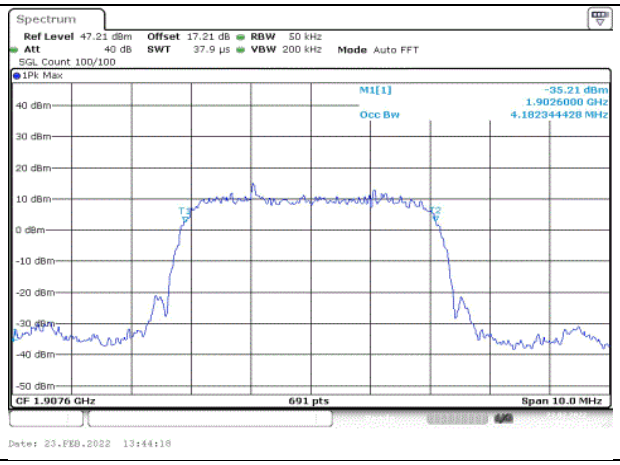
Channel 9262



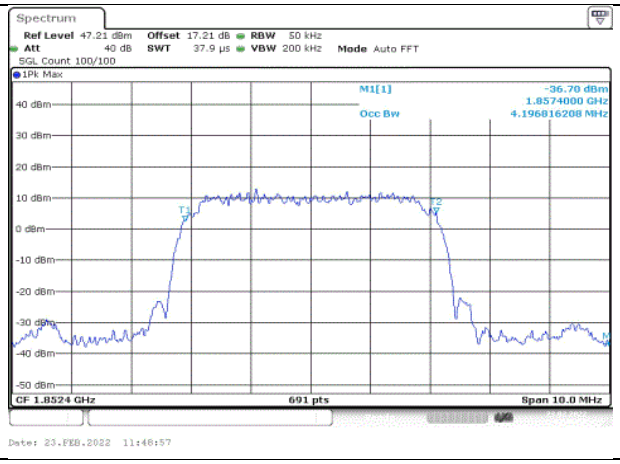
Channel 9400

Channel 9538	

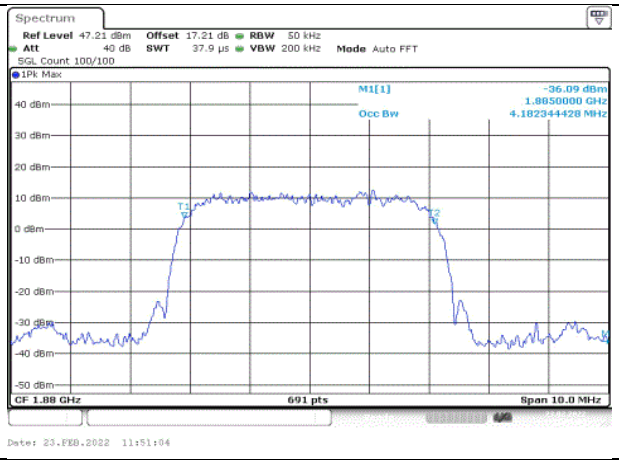
Test Mode: HSUPA

	
Channel 9262	Channel 9400
	
Channel 9538	

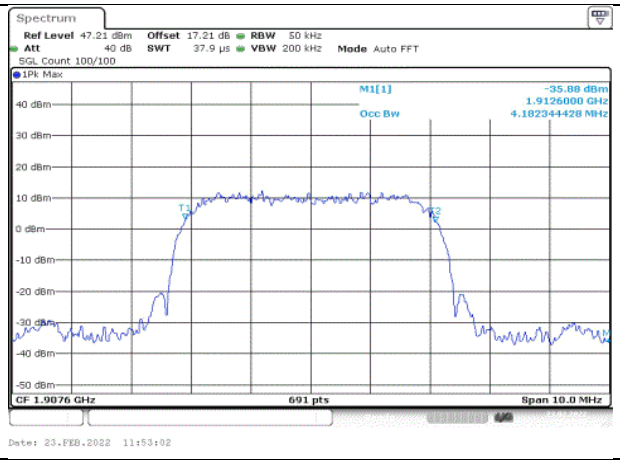
Test Mode: HSPA+



Channel 9262



Channel 9400



Channel 9538

3. Emission Bandwidth

WCDMA band II

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
Release 99	1852.4	9262	4.70
Release 99	1880	9400	4.69
Release 99	1907.6	9538	4.69

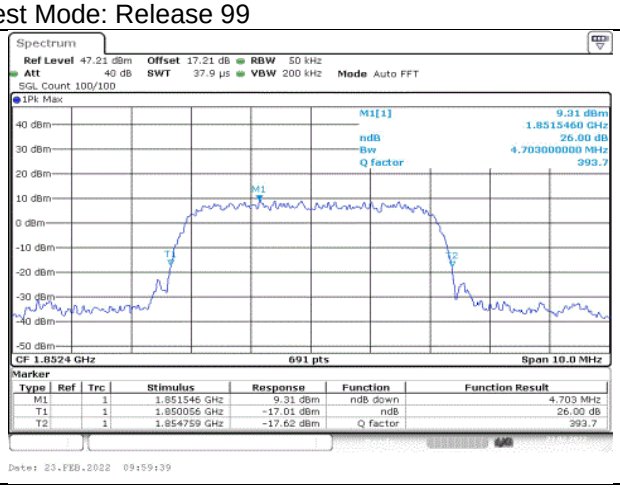
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSDPA	1852.4	9262	4.67
HSDPA	1880	9400	4.67
HSDPA	1907.6	9538	4.67

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSUPA	1852.4	9262	4.67
HSUPA	1880	9400	4.66
HSUPA	1907.6	9538	4.66

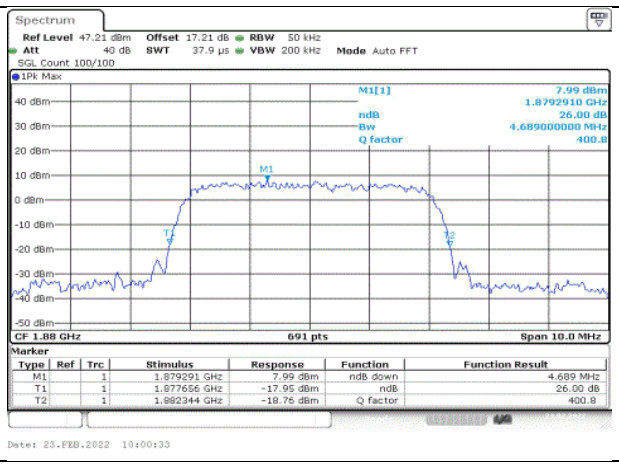
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSPA+	1852.4	9262	4.67
HSPA+	1880	9400	4.67
HSPA+	1907.6	9538	4.67

WCDMA band II

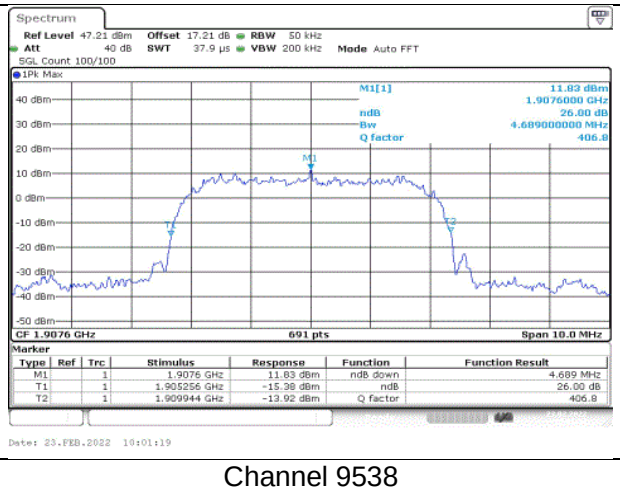
Test Mode: Release 99



Channel 9262

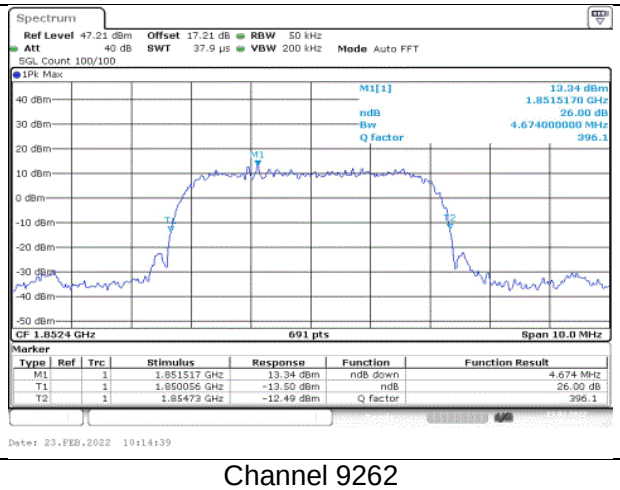


Channel 9400

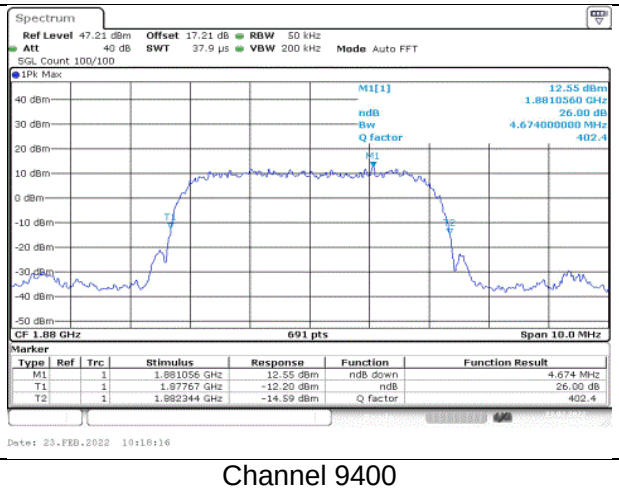


Channel 9538

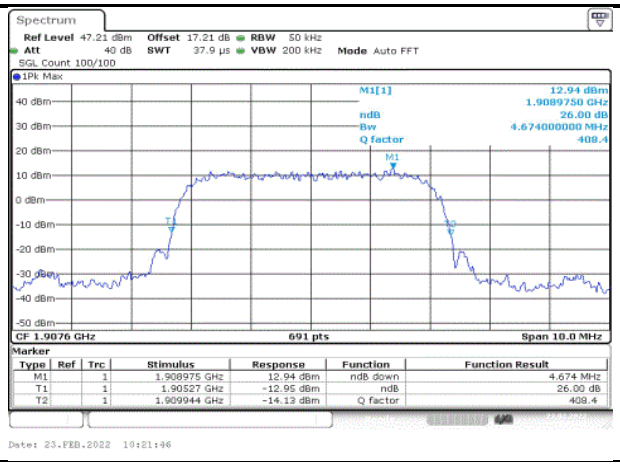
Test Mode: HSDPA



Channel 9262

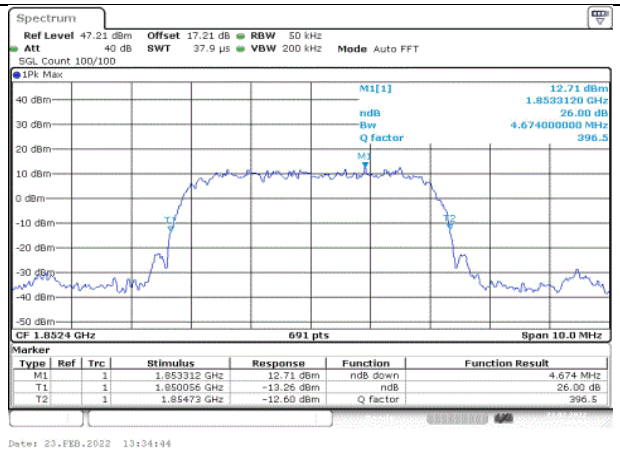


Channel 9400

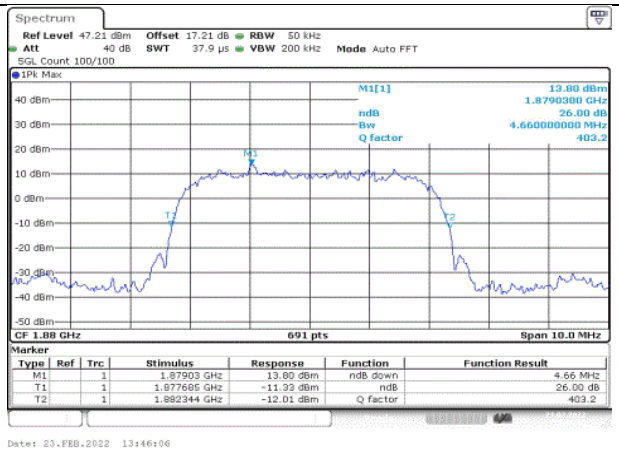


Channel 9538

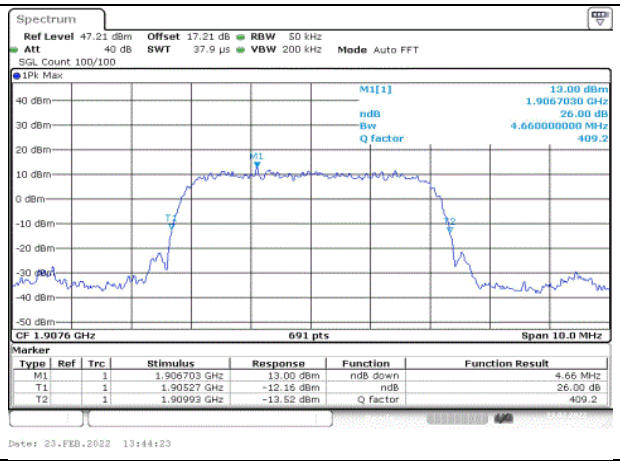
Test Mode: HSUPA



Channel 9262

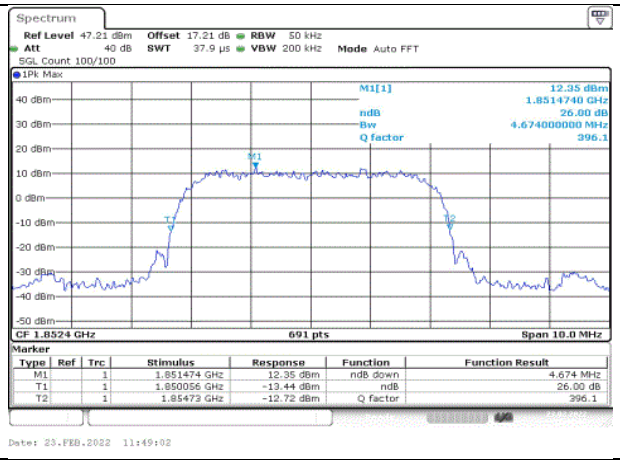


Channel 9400

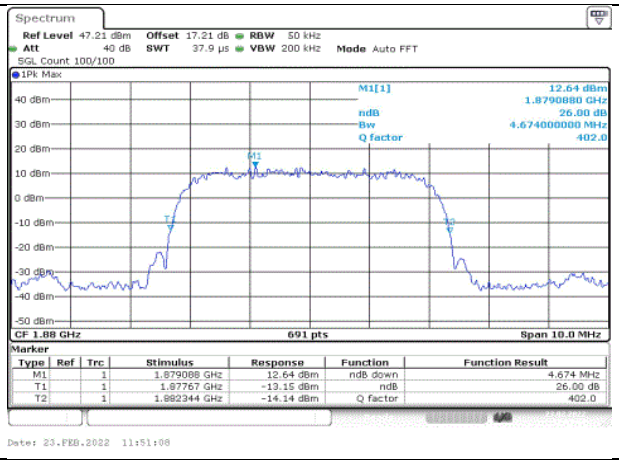


Channel 9538

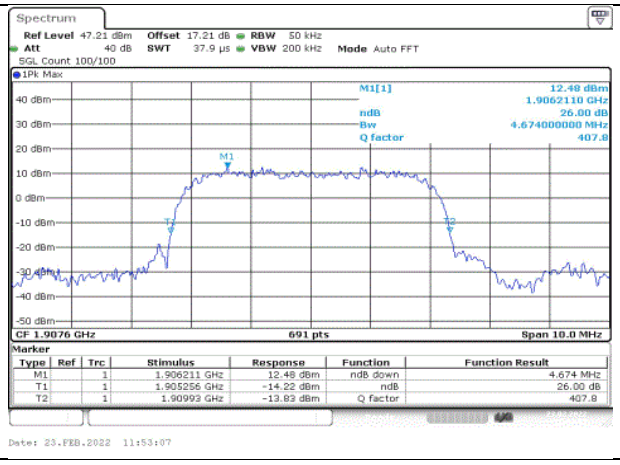
Test Mode: HSPA+



Channel 9262



Channel 9400

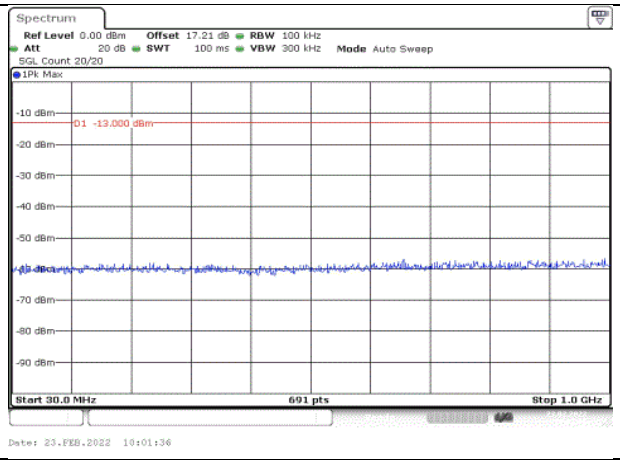
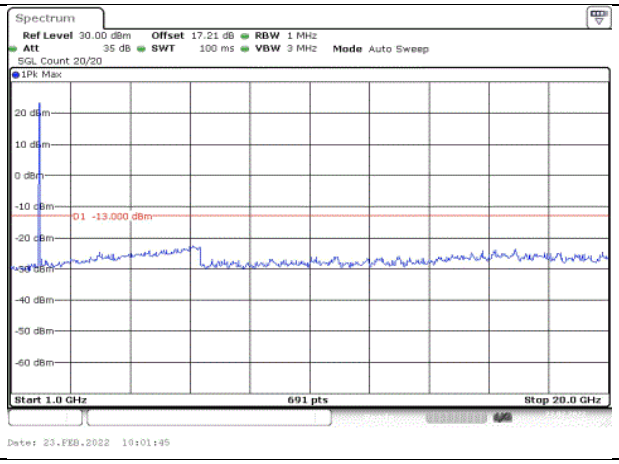


Channel 9538

4. Spurious Emissions at antenna terminal

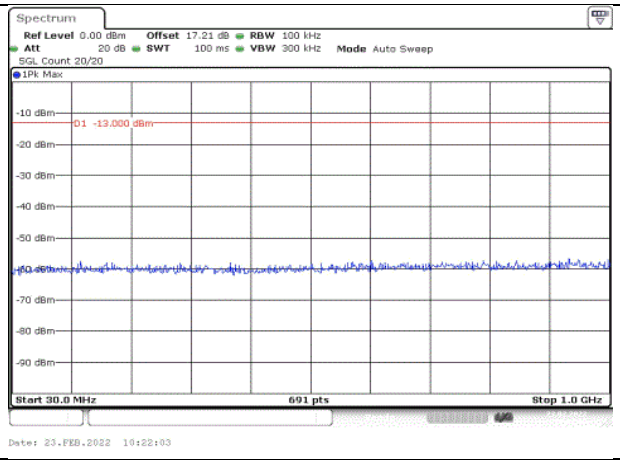
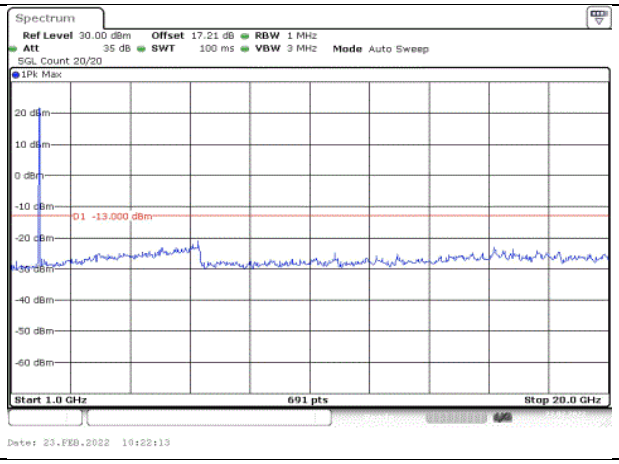
WCDMA band II

Test Mode: Release 99

	
Channel 9262 30MHz~1GHz(dBm)	Channel 9262 1GHz~20GHz(dBm)

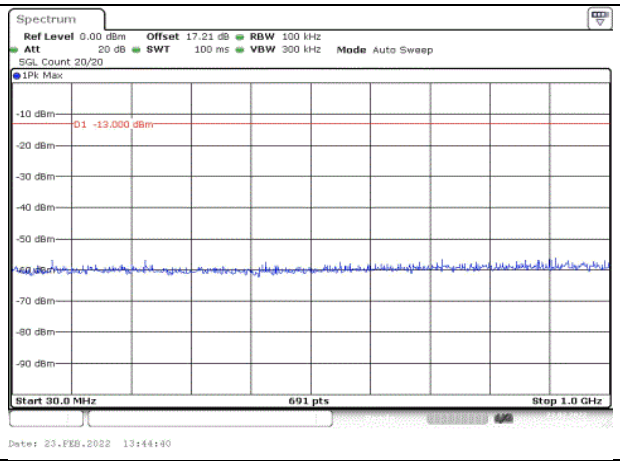
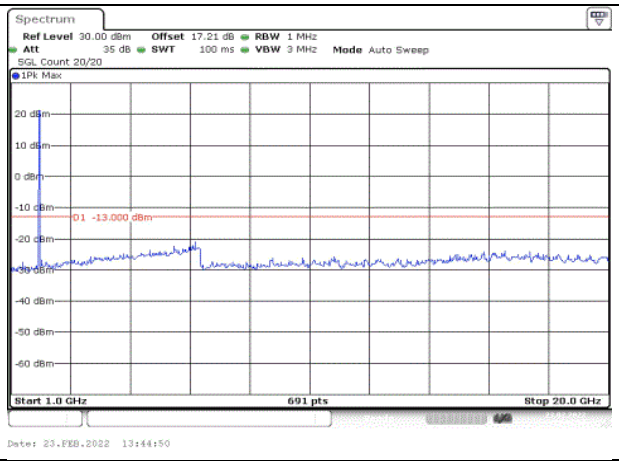
Note: The signal beyond the limit is the signal transmitted by EUT.

Test Mode: HSDPA

	
Channel 9262 30MHz~1GHz(dBm)	Channel 9262 1GHz~20GHz(dBm)

Note: The signal beyond the limit is the signal transmitted by EUT.

Test Mode: HSUPA

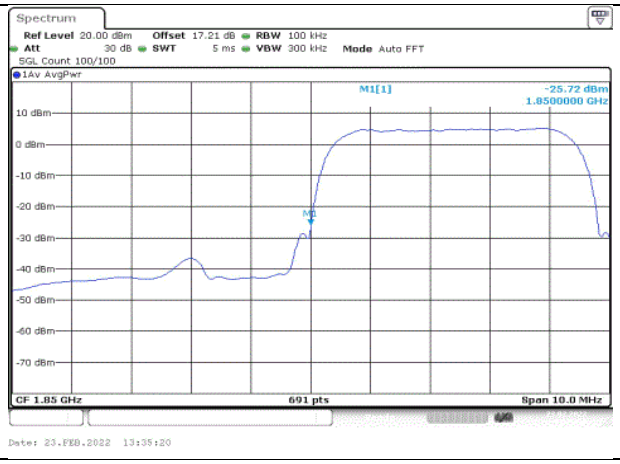
	
Channel 9262 30MHz~1GHz(dBm)	Channel 9262 1GHz~20GHz(dBm)

Note: The signal beyond the limit is the signal transmitted by EUT.

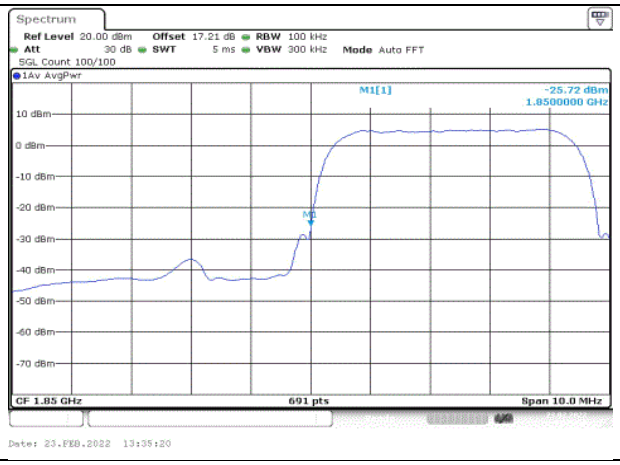
5. Band Edges Compliance

WCDMA band II

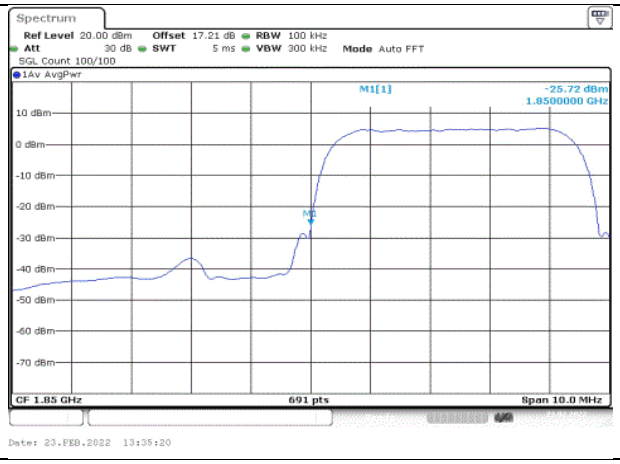
Test Mode: Release 99

	
Channel 9262	Channel 9538

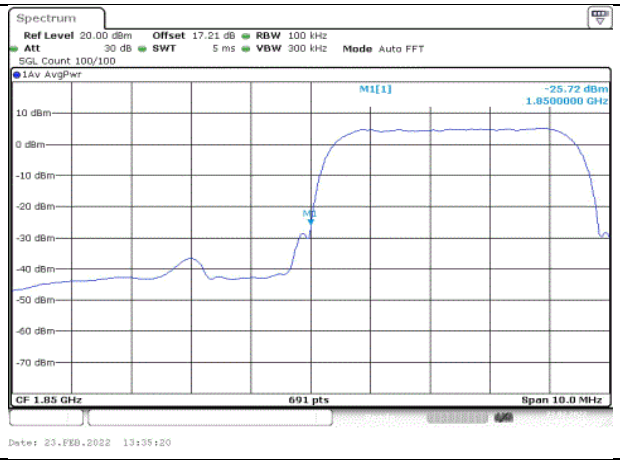
Test Mode: HSDPA

	
Channel 9262	Channel 9538

Test Mode: HSUPA

	
Channel 9262	Channel 9538

Test Mode: HSPA+

	
Channel 9262	Channel 9538

6. Frequency Stability

WCDMA band II

Test Mode: Release 99

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 9262	Channel 9400	Channel 9538
Release 99	-30	0.110	-0.170	-0.150
Release 99	-20	0.220	-0.420	-0.380
Release 99	-10	0.330	-0.080	-0.320
Release 99	-0	0.010	-0.070	0.080
Release 99	+10	0.200	-0.390	-0.160
Release 99	+30	0.130	-0.300	0.090
Release 99	+40	0.280	-0.020	-0.190
Release 99	+50	-0.120	-0.300	-0.060
Name	Voltage	Test Result (ppm)@NT		
		Channel 9262	Channel 9400	Channel 9538
Release 99	LV	-0.030	-0.090	-0.150
Release 99	HV	0.310	-0.550	-0.110

Test Mode: HSDPA

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 9262	Channel 9400	Channel 9538
Subtest1	-30	0.360	0.070	0.240
Subtest1	-20	0.030	0.210	0.240
Subtest1	-10	0.090	0.240	0.200
Subtest1	-0	0.210	0.240	0.140
Subtest1	+10	-0.080	0.290	0.010
Subtest1	+30	0.240	0.590	0.040
Subtest1	+40	0.240	0.180	0.080
Subtest1	+50	-0.090	0.380	0.360
Name	Voltage	Test Result (ppm)@NT		
		Channel 9262	Channel 9400	Channel 9538
Subtest1	LV	-0.380	0.620	-0.010
Subtest1	HV	0.180	0.420	-0.470

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 9262	Channel 9400	Channel 9538
Subtest2	-30	0.170	-0.050	0.100
Subtest2	-20	-0.150	0.080	0.140
Subtest2	-10	-0.060	0.190	0.190
Subtest2	-0	0.120	0.170	0.130
Subtest2	+10	-0.170	0.320	0.060
Subtest2	+30	0.150	0.170	0.120
Subtest2	+40	0.020	0.150	0.150
Subtest2	+50	-0.240	0.380	0.050
Name	Voltage	Test Result (ppm)@NT		
		Channel 9262	Channel 9400	Channel 9538
Subtest2	LV	-0.700	0.220	0.000
Subtest2	HV	0.110	0.430	-0.390

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 9262	Channel 9400	Channel 9538
Subtest3	-30	0.070	0.250	-0.110
Subtest3	-20	-0.230	0.410	0.000
Subtest3	-10	-0.070	0.530	0.000
Subtest3	-0	-0.040	0.560	0.040
Subtest3	+10	-0.110	0.680	0.040
Subtest3	+30	-0.230	0.610	0.050
Subtest3	+40	-0.150	0.570	0.080
Subtest3	+50	-0.240	0.690	-0.170
Name	Voltage	Test Result (ppm)@NT		
		Channel 9262	Channel 9400	Channel 9538
Subtest3	LV	-0.630	0.640	0.010
Subtest3	HV	-0.270	0.800	-0.450

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 9262	Channel 9400	Channel 9538
Subtest4	-30	0.090	0.180	-0.140
Subtest4	-20	-0.210	0.380	-0.050
Subtest4	-10	-0.030	0.520	0.000
Subtest4	-0	-0.230	0.580	0.020
Subtest4	+10	-0.050	0.730	0.080
Subtest4	+30	-0.110	0.590	0.150
Subtest4	+40	0.000	0.630	0.150
Subtest4	+50	-0.170	0.680	-0.130
Name	Voltage	Test Result (ppm)@NT		
		Channel 9262	Channel 9400	Channel 9538
Subtest4	LV	-0.500	0.620	0.010
Subtest4	HV	-0.120	0.420	-0.390

Test Mode: HSUPA

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 9262	Channel 9400	Channel 9538
Subtest1	-30	0.130	0.790	-0.080
Subtest1	-20	0.100	0.780	0.020
Subtest1	-10	-0.330	0.630	0.170
Subtest1	-0	-0.100	0.190	0.080
Subtest1	+10	-0.100	0.580	-0.140
Subtest1	+30	-0.140	0.540	0.050
Subtest1	+40	-0.030	0.530	0.010
Subtest1	+50	-0.030	0.520	0.130
Name	Voltage	Test Result (ppm)@NT		
		Channel 9262	Channel 9400	Channel 9538
Subtest1	LV	0.110	0.750	-0.090
Subtest1	HV	-0.010	0.380	-0.220

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 9262	Channel 9400	Channel 9538
Subtest2	-30	0.410	0.690	0.180
Subtest2	-20	0.420	0.720	0.290
Subtest2	-10	-0.380	0.970	0.120
Subtest2	-0	0.340	0.110	0.070
Subtest2	+10	0.090	0.690	0.080
Subtest2	+30	0.370	0.610	0.030
Subtest2	+40	0.140	0.910	0.050
Subtest2	+50	0.400	0.910	0.030
Name	Voltage	Test Result (ppm)@NT		
		Channel 9262	Channel 9400	Channel 9538
Subtest2	LV	0.260	0.830	-0.060
Subtest2	HV	0.090	0.530	0.170

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 9262	Channel 9400	Channel 9538
Subtest3	-30	0.400	0.630	0.370
Subtest3	-20	0.400	0.690	0.120
Subtest3	-10	0.010	0.540	0.340
Subtest3	-0	0.400	0.040	-0.020
Subtest3	+10	0.040	0.250	-0.080
Subtest3	+30	0.340	0.550	0.330
Subtest3	+40	0.540	0.490	0.280
Subtest3	+50	0.400	0.470	0.330
Name	Voltage	Test Result (ppm)@NT		
		Channel 9262	Channel 9400	Channel 9538
Subtest3	LV	0.310	0.400	0.250
Subtest3	HV	0.180	0.450	0.010

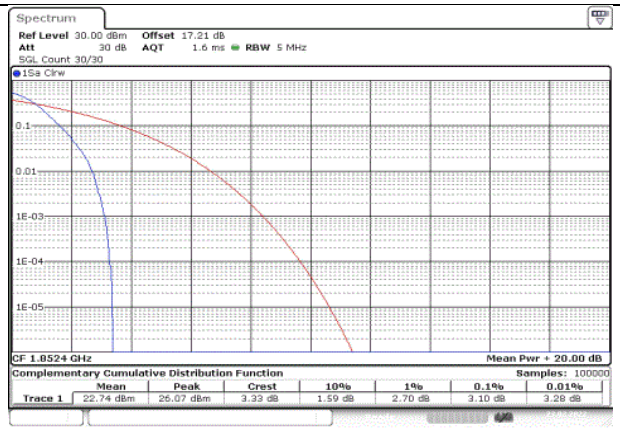
Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 9262	Channel 9400	Channel 9538
Subtest4	-30	0.170	0.590	0.010
Subtest4	-20	0.200	0.670	0.170
Subtest4	-10	-0.520	0.500	0.050
Subtest4	-0	0.190	-0.070	0.050
Subtest4	+10	-0.040	0.330	-0.200
Subtest4	+30	-0.150	0.570	0.110
Subtest4	+40	0.090	0.460	0.090
Subtest4	+50	-0.180	0.430	0.010
Name	Voltage	Test Result (ppm)@NT		
		Channel 9262	Channel 9400	Channel 9538
Subtest4	LV	-0.150	0.450	-0.030
Subtest4	HV	0.100	0.440	-0.240

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 9262	Channel 9400	Channel 9538
Subtest5	-30	-0.050	0.520	-0.130
Subtest5	-20	-0.300	0.590	0.110
Subtest5	-10	-0.560	0.470	-0.020
Subtest5	-0	-0.240	-0.040	-0.200
Subtest5	+10	-0.010	0.340	0.130
Subtest5	+30	-0.080	0.600	0.150
Subtest5	+40	-0.300	0.520	-0.060
Subtest5	+50	-0.180	0.450	0.040
Name	Voltage	Test Result (ppm)@NT		
		Channel 9262	Channel 9400	Channel 9538
Subtest5	LV	-0.070	0.520	0.030
Subtest5	HV	-0.240	0.500	-0.130

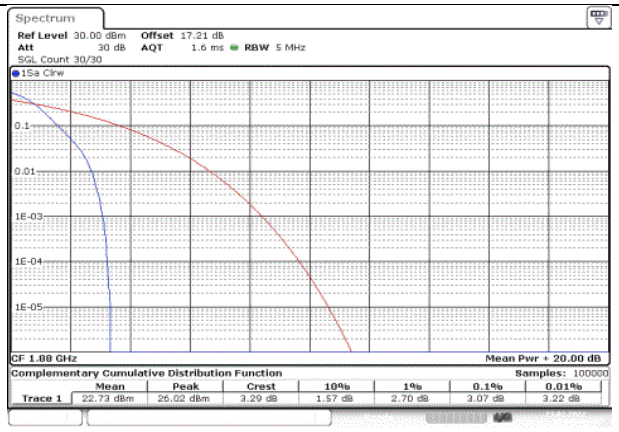
7. Peak-Average Ratio

WCDMA band II

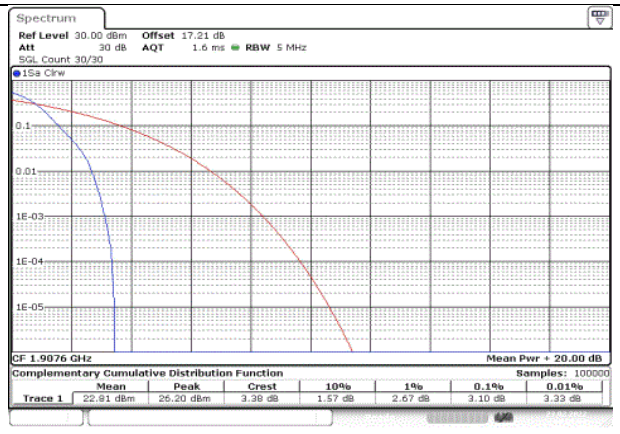
Test Mode: Release 99



Channel 9262

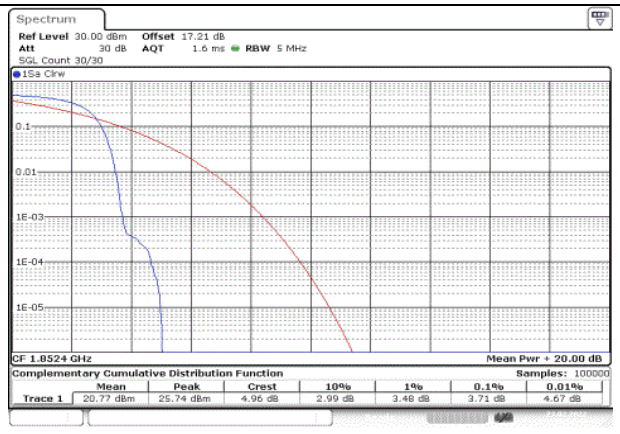


Channel 9400

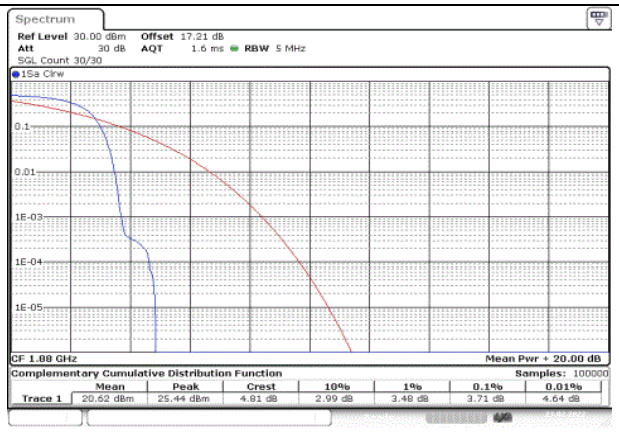


Channel 9538

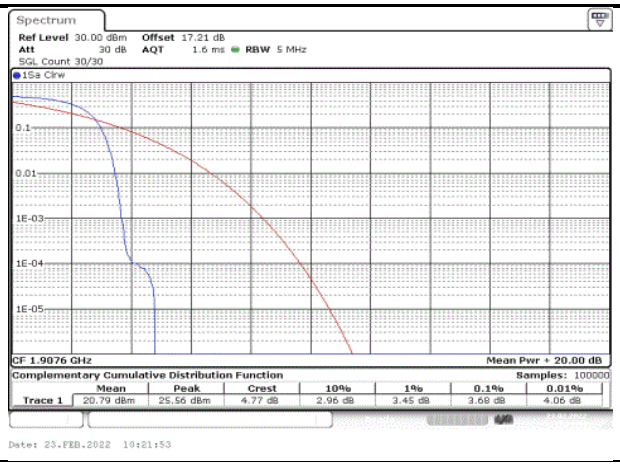
Test Mode: HSDPA



Channel 9262

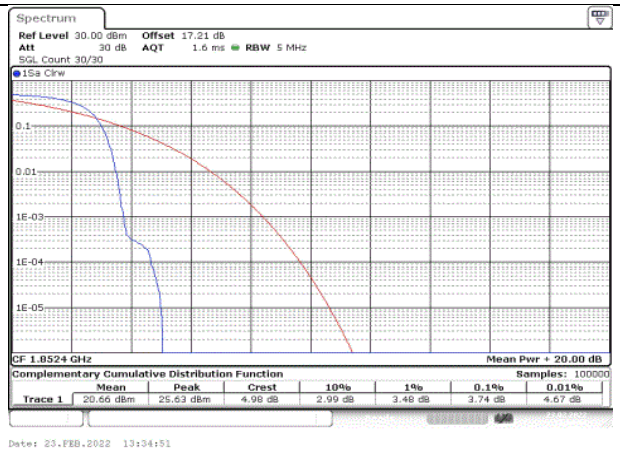


Channel 9400

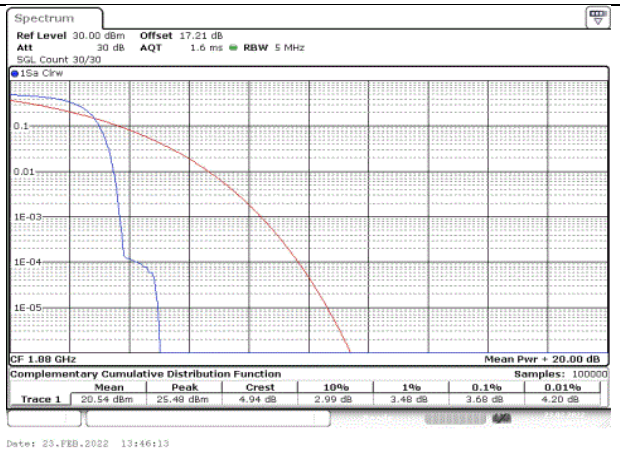


Channel 9538

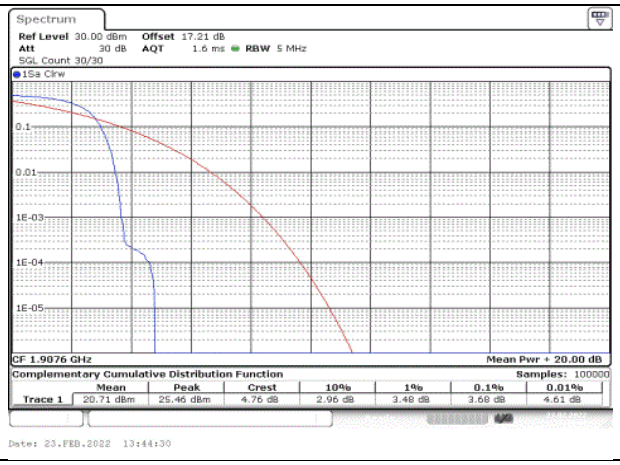
Test Mode: HSUPA



Channel 9262



Channel 9400



Channel 9538

8. Effective Radiated Power and Effective Isotropic Radiated Power

WCDMA band II

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
Release 99	RMC,12.2kbps	1852.4	9262	23.09	20.99	0.126
Release 99	RMC,12.2kbps	1880	9400	22.91	20.81	0.121
Release 99	RMC,12.2kbps	1907.6	9538	23.09	20.99	0.126

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSDPA	Subtest1	1852.4	9262	20.99	18.89	0.077
HSDPA	Subtest1	1880	9400	20.93	18.83	0.076
HSDPA	Subtest1	1907.6	9538	21.05	18.95	0.079
HSDPA	Subtest2	1852.4	9262	20.98	18.88	0.077
HSDPA	Subtest2	1880	9400	20.93	18.83	0.076
HSDPA	Subtest2	1907.6	9538	21.06	18.96	0.079
HSDPA	Subtest3	1852.4	9262	20.97	18.87	0.077
HSDPA	Subtest3	1880	9400	20.96	18.86	0.077
HSDPA	Subtest3	1907.6	9538	21.06	18.96	0.079
HSDPA	Subtest4	1852.4	9262	20.95	18.85	0.077
HSDPA	Subtest4	1880	9400	20.94	18.84	0.077
HSDPA	Subtest4	1907.6	9538	21.04	18.94	0.078

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSUPA	Subtest1	1852.4	9262	20.89	18.79	0.076
HSUPA	Subtest1	1880	9400	20.89	18.79	0.076
HSUPA	Subtest1	1907.6	9538	21.02	18.92	0.078
HSUPA	Subtest2	1852.4	9262	20.87	18.77	0.075
HSUPA	Subtest2	1880	9400	20.9	18.80	0.076
HSUPA	Subtest2	1907.6	9538	21.01	18.91	0.078
HSUPA	Subtest3	1852.4	9262	20.89	18.79	0.076
HSUPA	Subtest3	1880	9400	20.89	18.79	0.076
HSUPA	Subtest3	1907.6	9538	21.01	18.91	0.078
HSUPA	Subtest4	1852.4	9262	20.89	18.79	0.076
HSUPA	Subtest4	1880	9400	20.88	18.78	0.076

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSUPA	Subtest4	1907.6	9538	21.02	18.92	0.078
HSUPA	Subtest5	1852.4	9262	21.41	19.31	0.085
HSUPA	Subtest5	1880	9400	21.35	19.25	0.084
HSUPA	Subtest5	1907.6	9538	21.48	19.38	0.087

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSPA+	QPSK	1852.4	9262	20.91	18.81	0.076
HSPA+	QPSK	1880	9400	20.87	18.77	0.075
HSPA+	QPSK	1907.6	9538	21.02	18.92	0.078
HSPA+	16QAM	1852.4	9262	20.88	18.78	0.076
HSPA+	16QAM	1880	9400	20.87	18.77	0.075
HSPA+	16QAM	1907.6	9538	21.08	18.98	0.079

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
DC-HSDPA	Subtest1	1852.4	9262	20.98	18.88	0.077
DC-HSDPA	Subtest1	1880	9400	20.93	18.83	0.076
DC-HSDPA	Subtest1	1907.6	9538	21.07	18.97	0.079
DC-HSDPA	Subtest2	1852.4	9262	20.96	18.86	0.077
DC-HSDPA	Subtest2	1880	9400	20.94	18.84	0.077
DC-HSDPA	Subtest2	1907.6	9538	21.07	18.97	0.079
DC-HSDPA	Subtest3	1852.4	9262	20.95	18.85	0.077
DC-HSDPA	Subtest3	1880	9400	20.93	18.83	0.076
DC-HSDPA	Subtest3	1907.6	9538	21.07	18.97	0.079
DC-HSDPA	Subtest4	1852.4	9262	20.97	18.87	0.077
DC-HSDPA	Subtest4	1880	9400	20.93	18.83	0.076
DC-HSDPA	Subtest4	1907.6	9538	21.07	18.97	0.079

WCDMA band IV

1. RF Power Output

WCDMA band IV

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
Release 99	RMC,12.2kbps	1712.4	1312	22.98
Release 99	RMC,12.2kbps	1732.6	1412	22.91
Release 99	RMC,12.2kbps	1752.6	1513	22.93

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSDPA	Subtest1	1712.4	1312	20.95
HSDPA	Subtest1	1732.6	1412	20.95
HSDPA	Subtest1	1752.6	1513	20.93
HSDPA	Subtest2	1712.4	1312	20.95
HSDPA	Subtest2	1732.6	1412	20.93
HSDPA	Subtest2	1752.6	1513	20.92
HSDPA	Subtest3	1712.4	1312	20.97
HSDPA	Subtest3	1732.6	1412	20.94
HSDPA	Subtest3	1752.6	1513	20.93
HSDPA	Subtest4	1712.4	1312	20.94
HSDPA	Subtest4	1732.6	1412	20.97
HSDPA	Subtest4	1752.6	1513	20.91

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSUPA	Subtest1	1712.4	1312	20.99
HSUPA	Subtest1	1732.6	1412	20.90
HSUPA	Subtest1	1752.6	1513	20.87
HSUPA	Subtest2	1712.4	1312	20.91
HSUPA	Subtest2	1732.6	1412	20.88
HSUPA	Subtest2	1752.6	1513	20.86
HSUPA	Subtest3	1712.4	1312	21.00
HSUPA	Subtest3	1732.6	1412	20.95
HSUPA	Subtest3	1752.6	1513	20.95
HSUPA	Subtest4	1712.4	1312	20.99
HSUPA	Subtest4	1732.6	1412	20.88
HSUPA	Subtest4	1752.6	1513	20.87
HSUPA	Subtest5	1712.4	1312	21.36
HSUPA	Subtest5	1732.6	1412	21.29
HSUPA	Subtest5	1752.6	1513	21.32

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSPA+	QPSK	1712.4	1312	20.89
HSPA+	QPSK	1732.6	1412	20.95
HSPA+	QPSK	1752.6	1513	20.91
HSPA+	16QAM	1712.4	1312	20.86
HSPA+	16QAM	1732.6	1412	20.88
HSPA+	16QAM	1752.6	1513	20.90

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
DC-HSDPA	Subtest1	1712.4	1312	20.97
DC-HSDPA	Subtest1	1732.6	1412	20.94
DC-HSDPA	Subtest1	1752.6	1513	20.93
DC-HSDPA	Subtest2	1712.4	1312	20.95
DC-HSDPA	Subtest2	1732.6	1412	20.96
DC-HSDPA	Subtest2	1752.6	1513	20.93
DC-HSDPA	Subtest3	1712.4	1312	20.94
DC-HSDPA	Subtest3	1732.6	1412	20.93
DC-HSDPA	Subtest3	1752.6	1513	20.92
DC-HSDPA	Subtest4	1712.4	1312	20.97
DC-HSDPA	Subtest4	1732.6	1412	20.94
DC-HSDPA	Subtest4	1752.6	1513	20.97

2. Occupied Bandwidth

WCDMA band IV

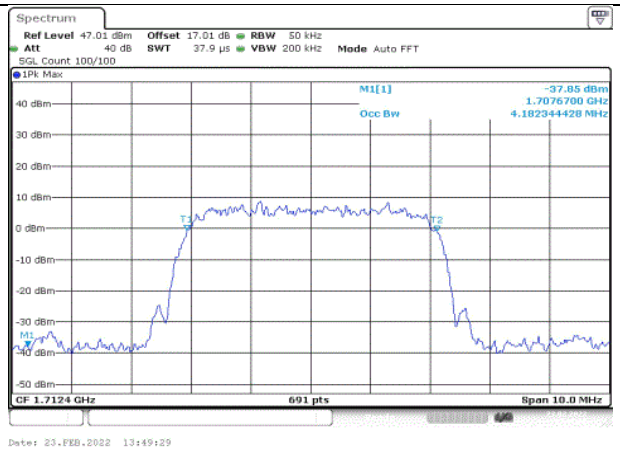
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
Release 99	1712.4	1312	4.18
Release 99	1732.6	1412	4.17
Release 99	1752.6	1513	4.17

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSDPA	1712.4	1312	4.17
HSDPA	1732.6	1412	4.15
HSDPA	1752.6	1513	4.15

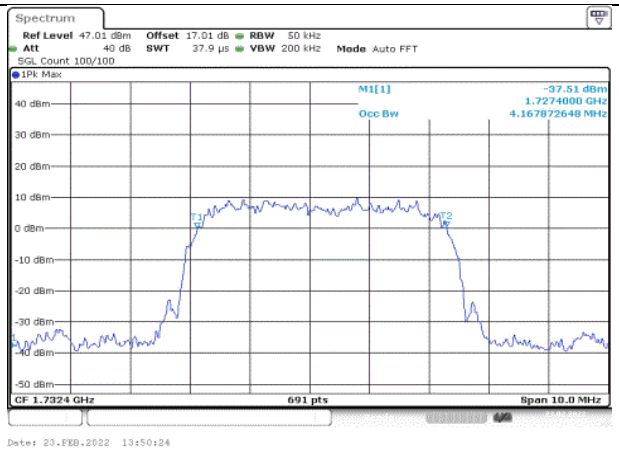
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSUPA	1712.4	1312	4.17
HSUPA	1732.6	1412	4.18
HSUPA	1752.6	1513	4.15

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSPA+	1712.4	1312	4.17
HSPA+	1732.6	1412	4.18
HSPA+	1752.6	1513	4.18

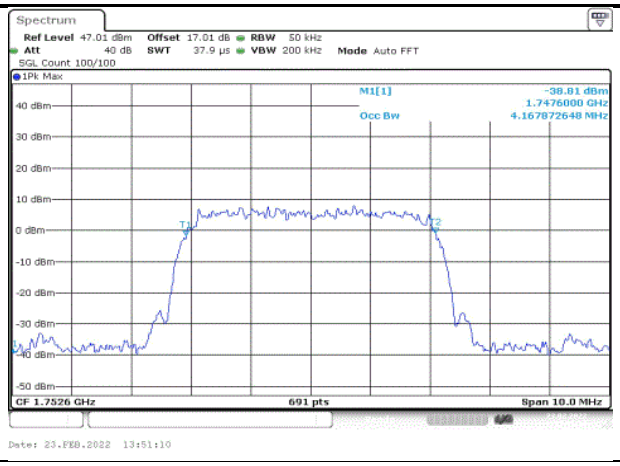
WCDMA band IV
Test Mode: Release 99



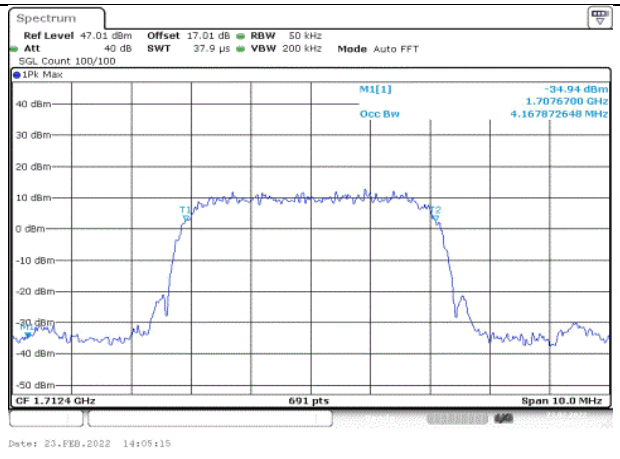
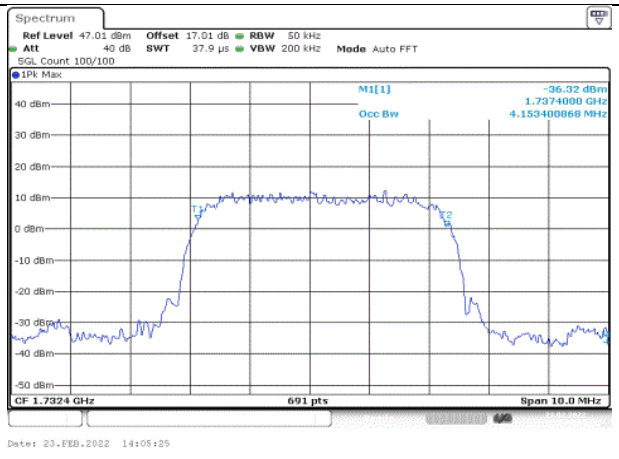
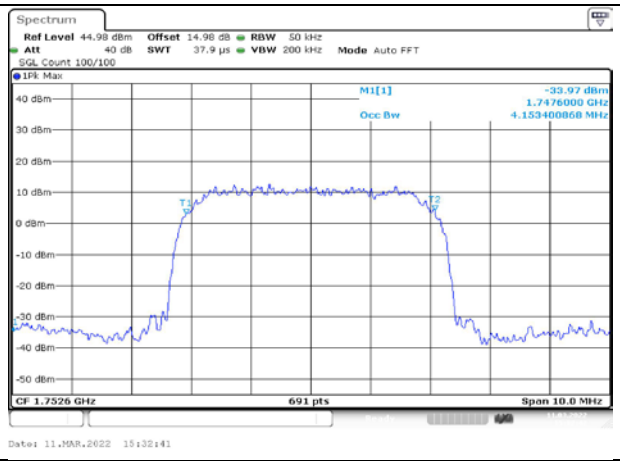
Channel 1312



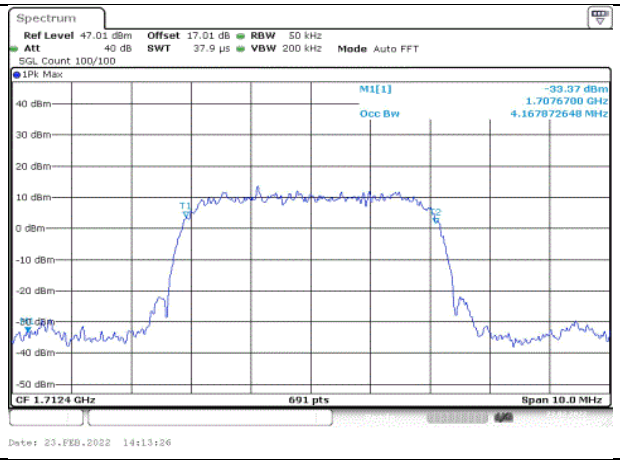
Channel 1412

	
Channel 1513	

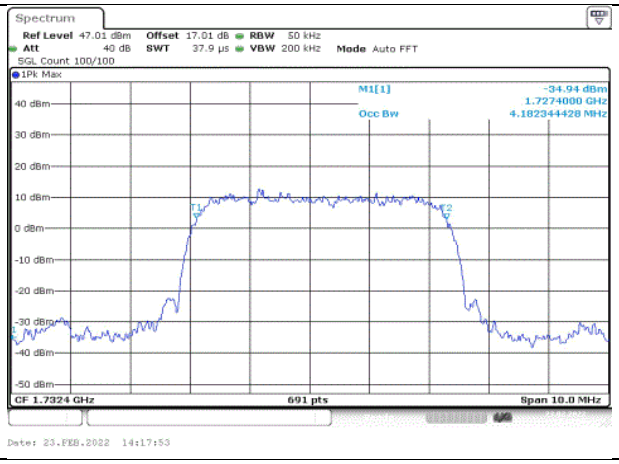
Test Mode: HSDPA

	
Channel 1312	Channel 1412
	
Channel 1513	

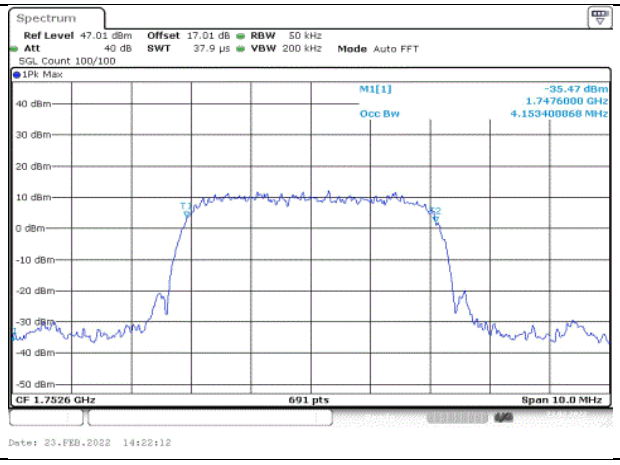
Test Mode: HSUPA



Channel 1312

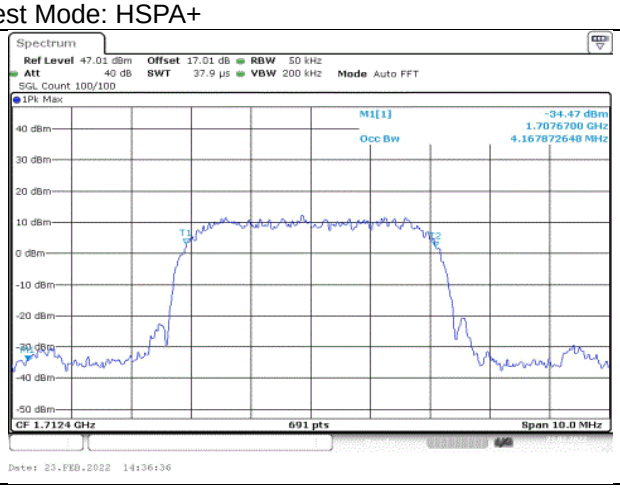


Channel 1412

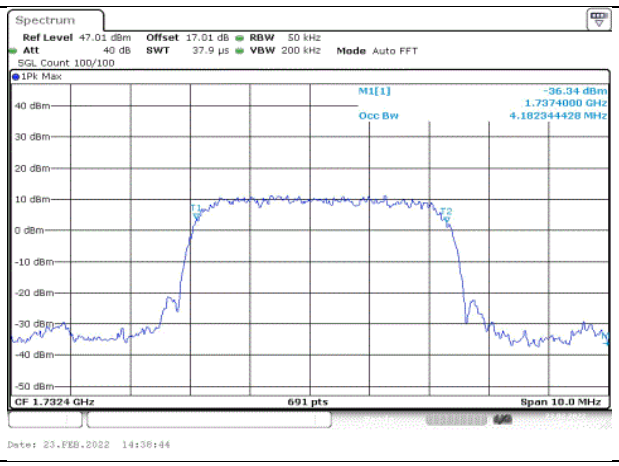


Channel 1513

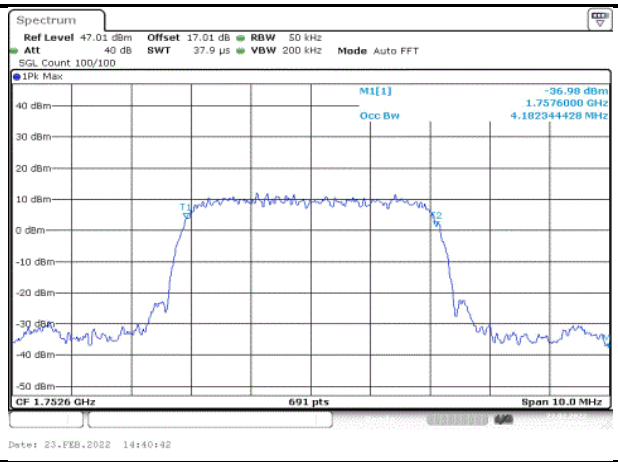
Test Mode: HSPA+



Channel 1312



Channel 1412

	
Channel 1513	

3. Emission Bandwidth

WCDMA band IV

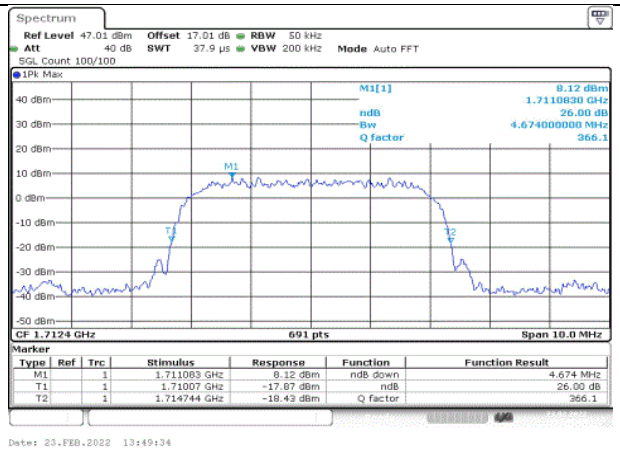
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
Release 99	1712.4	1312	4.67
Release 99	1732.6	1412	4.67
Release 99	1752.6	1513	4.67

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSDPA	1712.4	1312	4.67
HSDPA	1732.6	1412	4.67
HSDPA	1752.6	1513	4.62

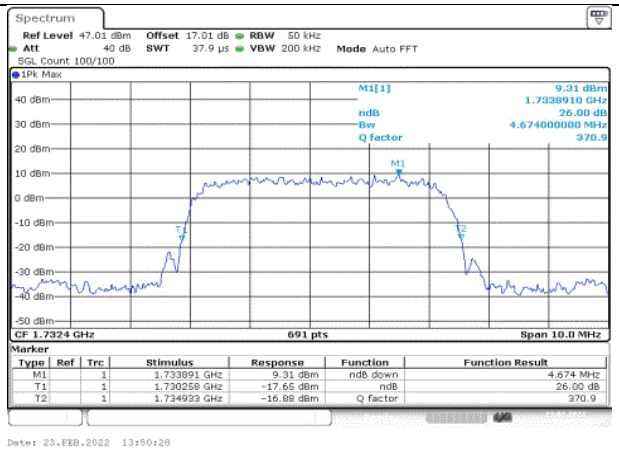
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSUPA	1712.4	1312	4.69
HSUPA	1732.6	1412	4.69
HSUPA	1752.6	1513	4.66

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSPA+	1712.4	1312	4.67
HSPA+	1732.6	1412	4.65
HSPA+	1752.6	1513	4.67

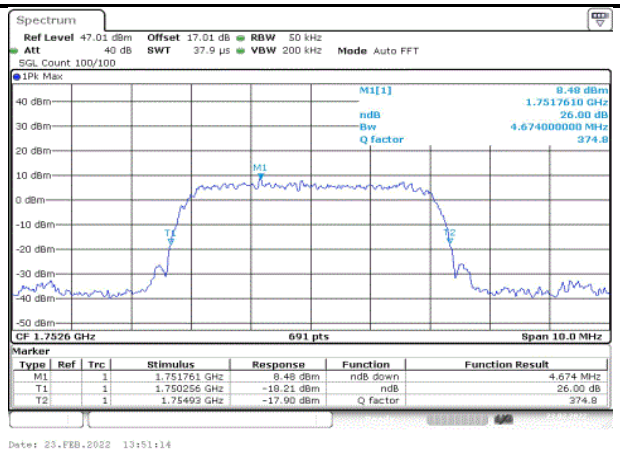
WCDMA band IV
Test Mode: Release 99



Channel 1312

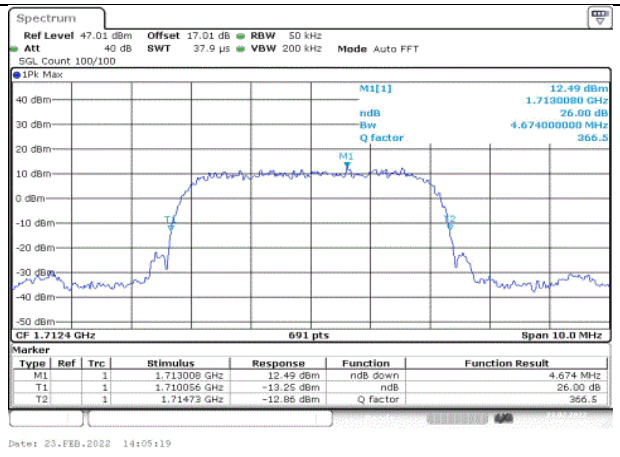


Channel 1412

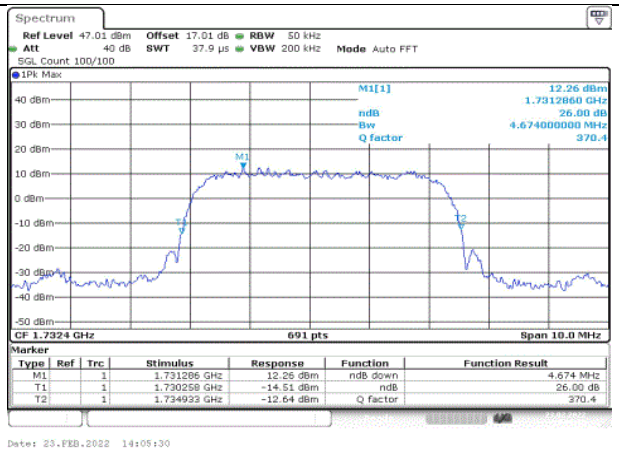


Channel 1513

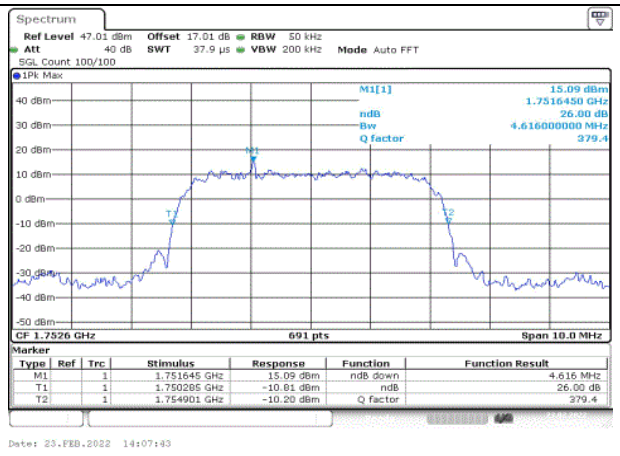
Test Mode: HSDPA



Channel 1312

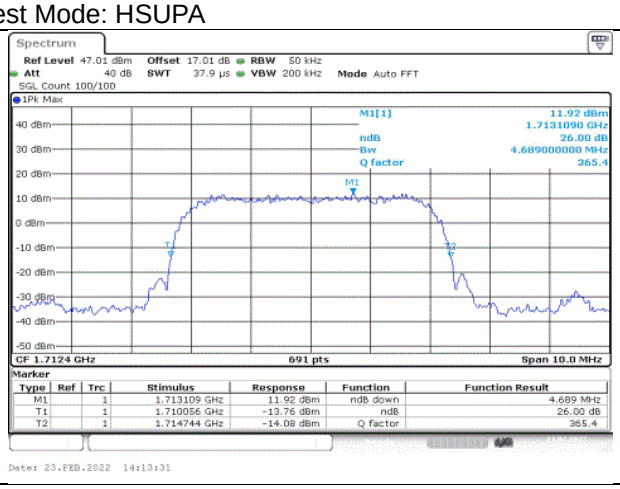


Channel 1412

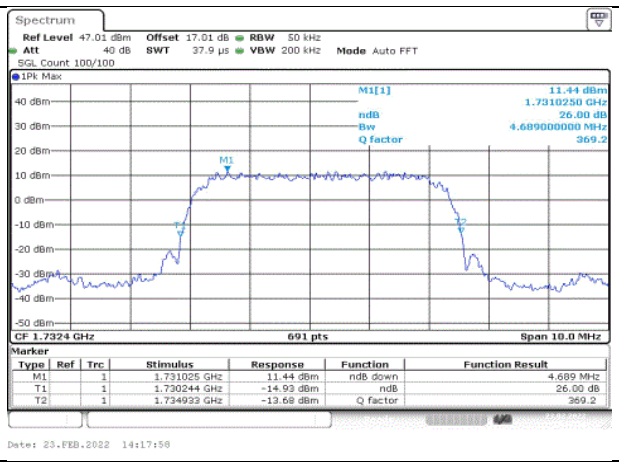


Channel 1513

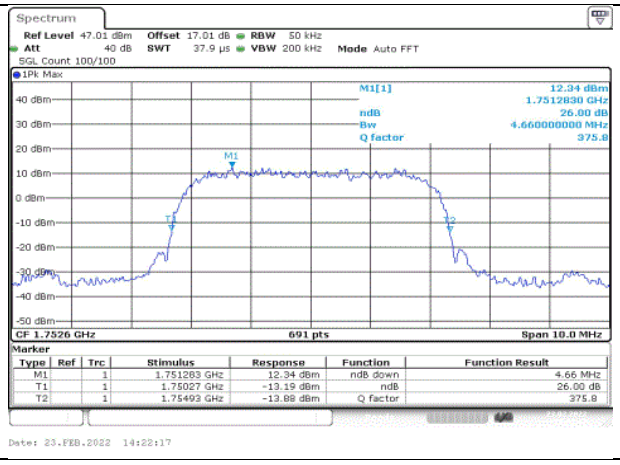
Test Mode: HSUPA



Channel 1312

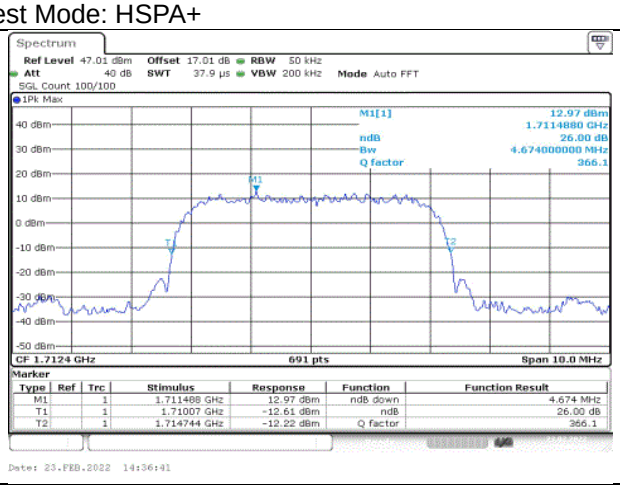


Channel 1412

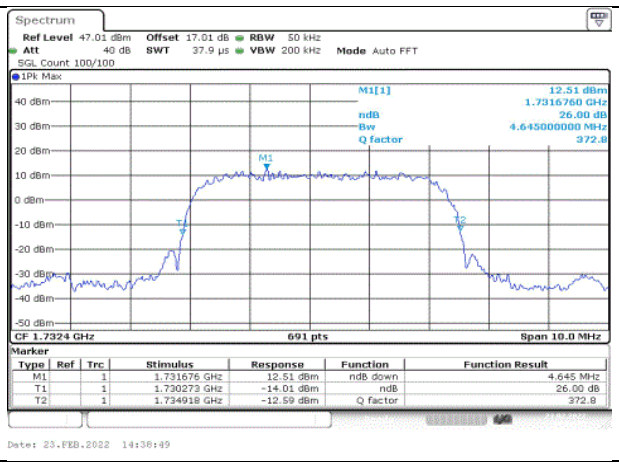


Channel 1513

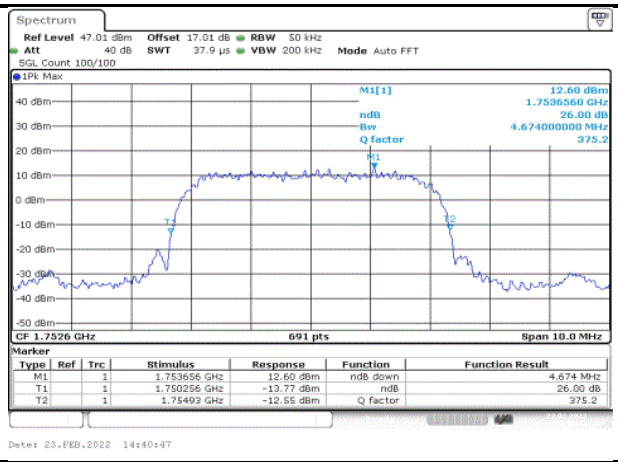
Test Mode: HSPA+



Channel 1312



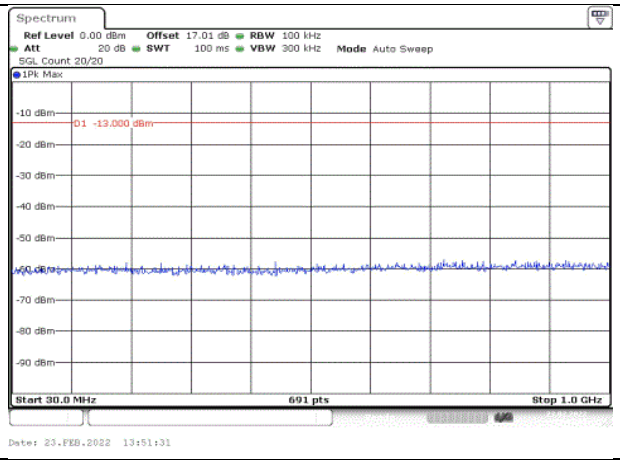
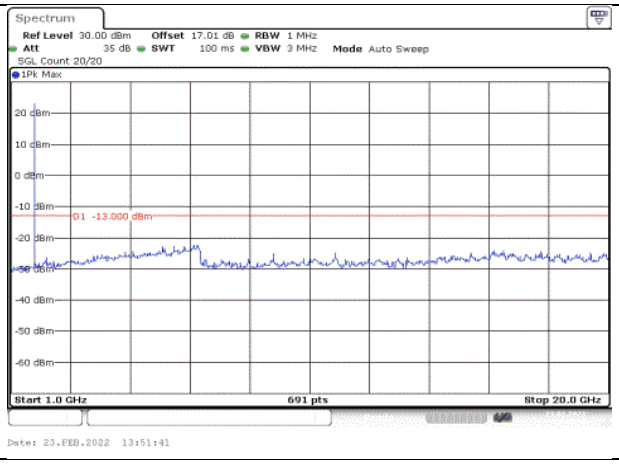
Channel 1412

	
Channel 1513	

4. Spurious Emissions at antenna terminal

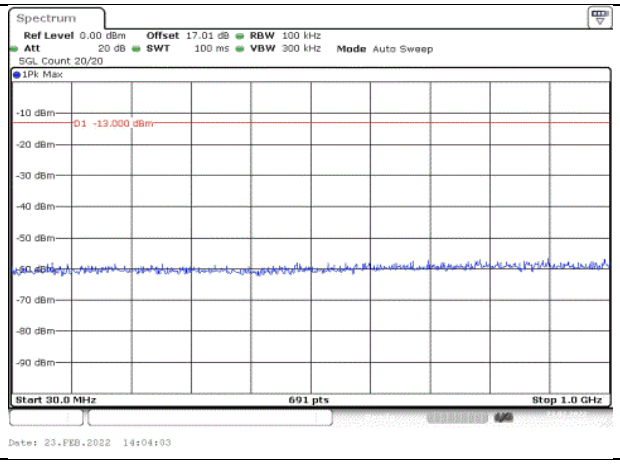
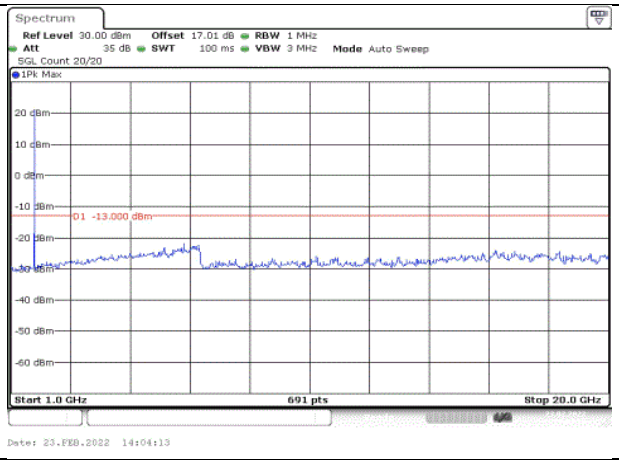
WCDMA band IV

Test Mode: Release 99

	
Channel 1312 30MHz~1GHz(dBm)	Channel 1312 1GHz~20GHz(dBm)

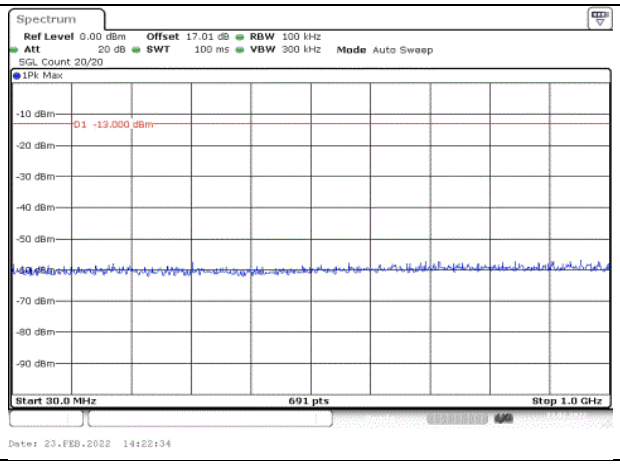
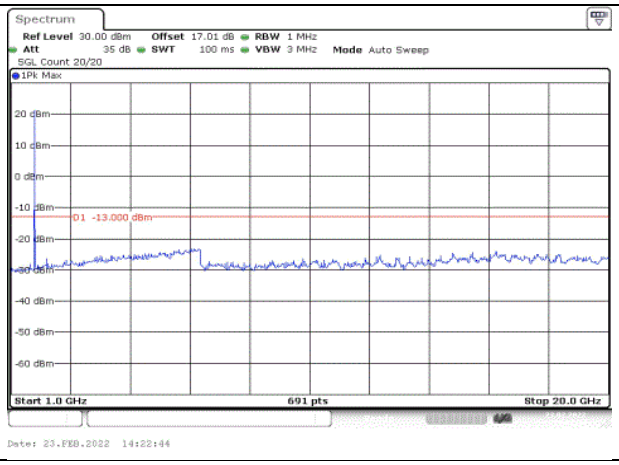
Note: The signal beyond the limit is the signal transmitted by EUT.

Test Mode: HSDPA

	
Channel 1312 30MHz~1GHz(dBm)	Channel 1312 1GHz~20GHz(dBm)

Note: The signal beyond the limit is the signal transmitted by EUT.

Test Mode: HSUPA

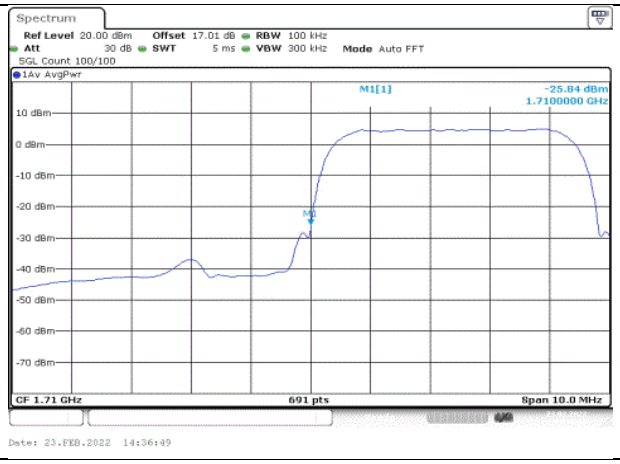
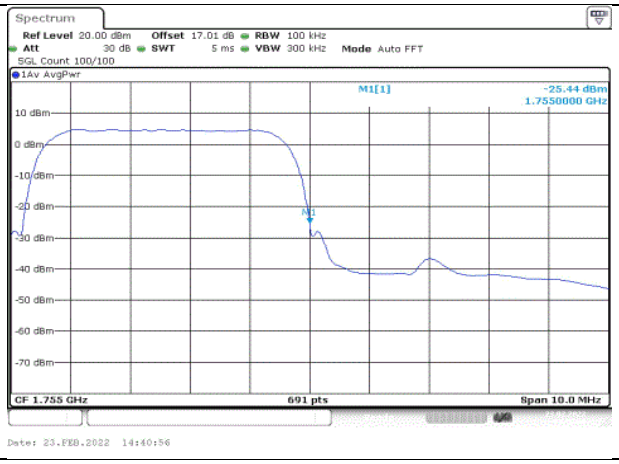
	
Channel 1312 30MHz~1GHz(dBm)	Channel 1312 1GHz~20GHz(dBm)

Note: The signal beyond the limit is the signal transmitted by EUT.

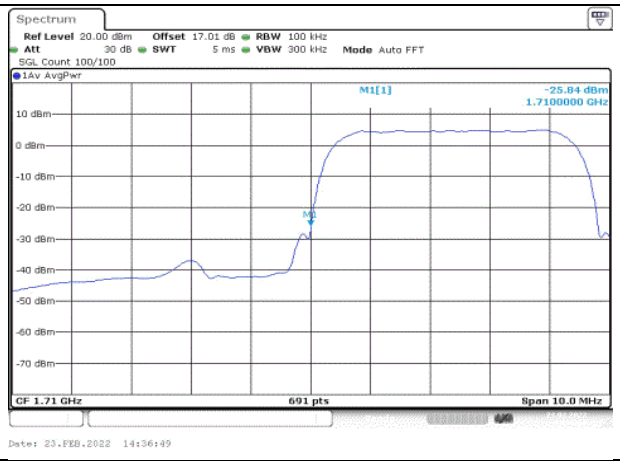
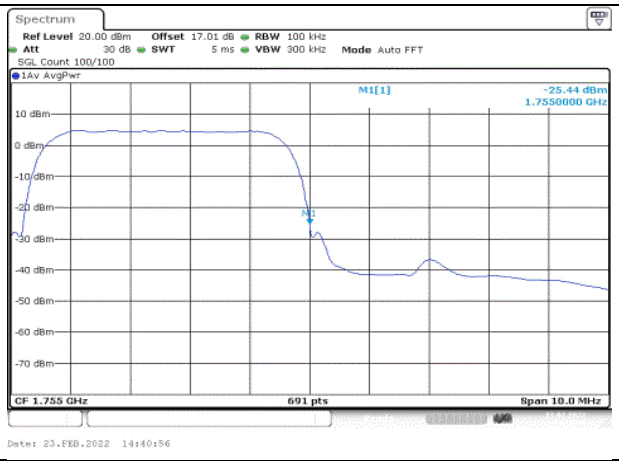
5. Band Edges Compliance

WCDMA band IV

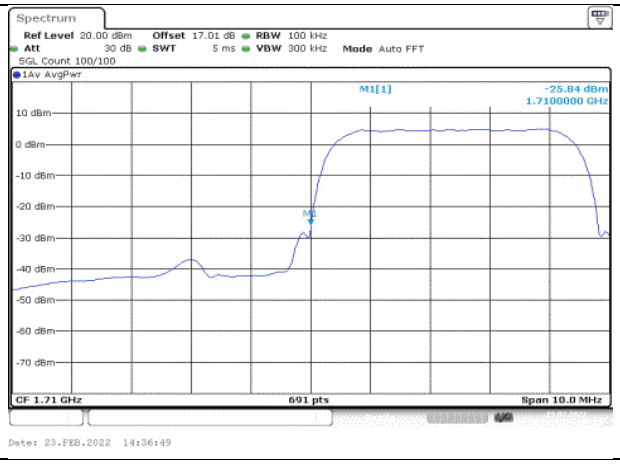
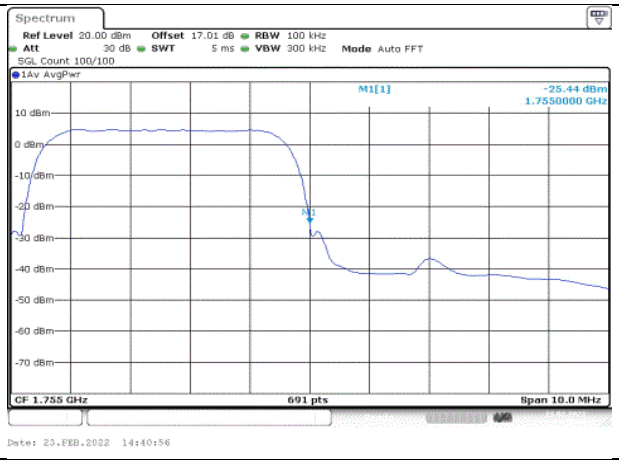
Test Mode: Release 99

	
Channel 1312	Channel 1513

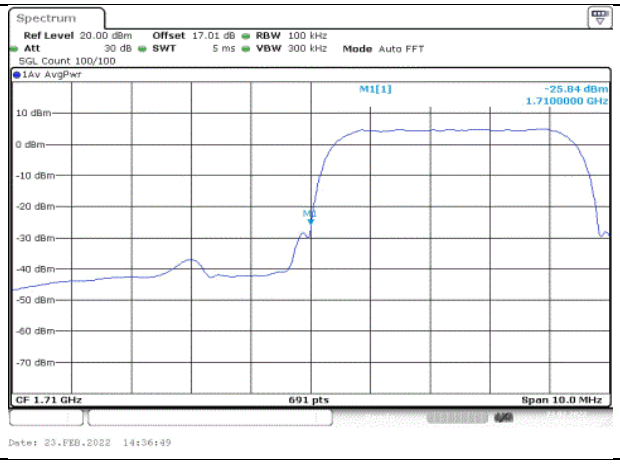
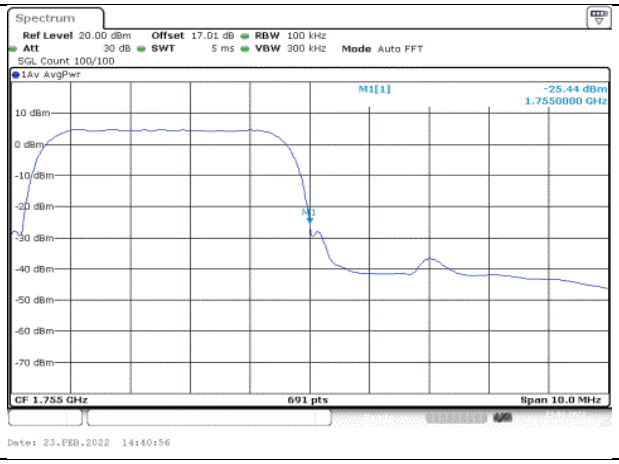
Test Mode: HSDPA

	
Channel 1312	Channel 1513

Test Mode: HSUPA

	
Channel 1312	Channel 1513

Test Mode: HSPA+

	
Channel 1312	Channel 1513

6. Frequency Stability

WCDMA band IV

Test Mode: Release 99

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 1312	Channel 1412	Channel 1513
Release 99	-30	-0.150	-0.360	-0.160
Release 99	-20	0.090	0.290	-0.090
Release 99	-10	0.170	0.190	-0.620
Release 99	-0	-0.100	0.220	0.090
Release 99	+10	0.190	0.110	0.040
Release 99	+30	0.150	0.290	-0.120
Release 99	+40	0.060	0.070	0.030
Release 99	+50	0.170	0.350	-0.260
Name	Voltage	Test Result (ppm)@NT		
		Channel 1312	Channel 1412	Channel 1513
Release 99	LV	0.300	0.390	0.010
Release 99	HV	0.280	-0.310	0.140

Test Mode: HSDPA

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 1312	Channel 1412	Channel 1513
Subtest1	-30	-0.220	0.220	0.060
Subtest1	-20	0.050	0.190	-0.440
Subtest1	-10	0.150	0.200	0.240
Subtest1	-0	0.040	0.180	0.190
Subtest1	+10	0.000	0.320	-0.120
Subtest1	+30	-0.280	-0.070	0.220
Subtest1	+40	0.130	0.240	0.000
Subtest1	+50	0.300	0.050	0.240
Name	Voltage	Test Result (ppm)@NT		
		Channel 1312	Channel 1412	Channel 1513
Subtest1	LV	0.180	0.240	0.220
Subtest1	HV	-0.320	0.120	0.250

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 1312	Channel 1412	Channel 1513
Subtest2	-30	-0.480	-0.050	-0.230
Subtest2	-20	-0.160	0.080	-0.650
Subtest2	-10	0.060	0.120	0.120
Subtest2	-0	-0.060	0.110	0.130
Subtest2	+10	-0.060	-0.110	-0.210
Subtest2	+30	-0.350	-0.110	0.180
Subtest2	+40	0.090	0.230	-0.020
Subtest2	+50	0.130	0.030	0.060
Name	Voltage	Test Result (ppm)@NT		
		Channel 1312	Channel 1412	Channel 1513
Subtest2	LV	0.140	0.240	0.190
Subtest2	HV	-0.330	0.140	0.210

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 1312	Channel 1412	Channel 1513
Subtest3	-30	-0.650	-0.210	-0.320
Subtest3	-20	-0.240	-0.010	-0.720
Subtest3	-10	0.020	0.000	0.080
Subtest3	-0	-0.040	0.070	-0.280
Subtest3	+10	-0.010	-0.050	-0.120
Subtest3	+30	-0.730	-0.040	-0.170
Subtest3	+40	0.090	-0.200	-0.040
Subtest3	+50	0.080	-0.050	0.030
Name	Voltage	Test Result (ppm)@NT		
		Channel 1312	Channel 1412	Channel 1513
Subtest3	LV	0.140	-0.160	-0.170
Subtest3	HV	-0.700	0.130	-0.130

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 1312	Channel 1412	Channel 1513
Subtest4	-30	-0.860	-0.360	-0.040
Subtest4	-20	-0.360	-0.080	-0.420
Subtest4	-10	-0.150	-0.080	-0.020
Subtest4	-0	-0.150	-0.370	0.090
Subtest4	+10	-0.110	-0.110	0.240
Subtest4	+30	-0.720	-0.120	0.260
Subtest4	+40	-0.410	-0.210	0.360
Subtest4	+50	0.000	-0.120	0.370
Name	Voltage	Test Result (ppm)@NT		
		Channel 1312	Channel 1412	Channel 1513
Subtest4	LV	-0.300	-0.140	0.270
Subtest4	HV	-0.720	-0.270	0.310

Test Mode: HSUPA

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 1312	Channel 1412	Channel 1513
Subtest1	-30	0.020	-0.100	0.610
Subtest1	-20	0.330	-0.540	0.570
Subtest1	-10	0.140	-0.110	0.690
Subtest1	-0	0.120	-0.130	0.900
Subtest1	+10	-0.160	0.030	0.350
Subtest1	+30	0.080	-0.070	0.730
Subtest1	+40	0.200	-0.430	0.820
Subtest1	+50	0.030	0.100	0.850
Name	Voltage	Test Result (ppm)@NT		
		Channel 1312	Channel 1412	Channel 1513
Subtest1	LV	-0.040	-0.010	0.660
Subtest1	HV	0.120	-0.130	0.600

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 1312	Channel 1412	Channel 1513
Subtest2	-30	-0.020	0.190	0.400
Subtest2	-20	0.020	-0.180	0.440
Subtest2	-10	0.230	0.250	0.570
Subtest2	-0	-0.080	0.300	0.450
Subtest2	+10	0.010	-0.020	0.290
Subtest2	+30	-0.120	0.340	0.290
Subtest2	+40	-0.110	-0.430	0.310
Subtest2	+50	0.140	0.460	0.290
Name	Voltage	Test Result (ppm)@NT		
		Channel 1312	Channel 1412	Channel 1513
Subtest2	LV	0.170	0.070	0.270
Subtest2	HV	-0.080	0.010	0.620

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 1312	Channel 1412	Channel 1513
Subtest3	-30	0.340	0.440	0.860
Subtest3	-20	0.310	-0.360	0.890
Subtest3	-10	0.230	0.100	0.620
Subtest3	-0	0.270	0.250	0.560
Subtest3	+10	-0.040	-0.050	0.430
Subtest3	+30	0.270	0.350	0.460
Subtest3	+40	0.280	-0.080	0.850
Subtest3	+50	0.170	0.370	0.820
Name	Voltage	Test Result (ppm)@NT		
		Channel 1312	Channel 1412	Channel 1513
Subtest3	LV	0.230	0.390	0.780
Subtest3	HV	0.000	0.340	0.710

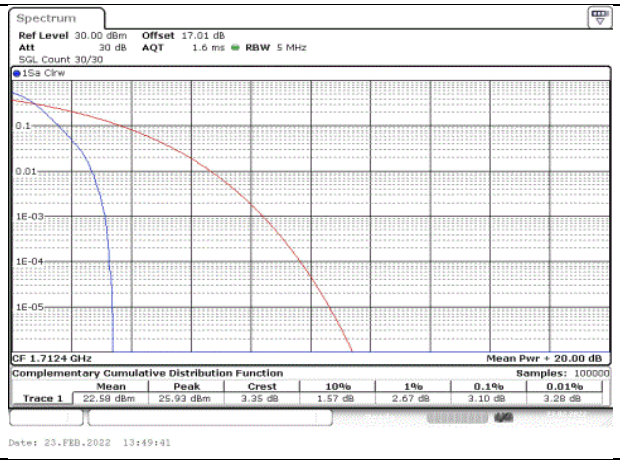
Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 1312	Channel 1412	Channel 1513
Subtest4	-30	0.260	-0.030	0.760
Subtest4	-20	0.380	-0.340	0.830
Subtest4	-10	0.170	0.130	0.980
Subtest4	-0	0.330	-0.110	0.930
Subtest4	+10	0.010	-0.020	0.810
Subtest4	+30	0.330	0.010	0.930
Subtest4	+40	0.210	-0.370	0.920
Subtest4	+50	0.090	-0.050	0.720
Name	Voltage	Test Result (ppm)@NT		
		Channel 1312	Channel 1412	Channel 1513
Subtest4	LV	0.240	0.060	0.820
Subtest4	HV	0.050	0.020	0.750

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 1312	Channel 1412	Channel 1513
Subtest5	-30	0.140	-0.170	0.600
Subtest5	-20	0.300	-0.410	0.770
Subtest5	-10	0.180	0.110	0.530
Subtest5	-0	0.240	-0.100	0.910
Subtest5	+10	-0.030	-0.020	0.790
Subtest5	+30	-0.060	0.050	0.570
Subtest5	+40	0.220	-0.510	0.900
Subtest5	+50	0.100	-0.060	0.700
Name	Voltage	Test Result (ppm)@NT		
		Channel 1312	Channel 1412	Channel 1513
Subtest5	LV	0.290	-0.020	0.880
Subtest5	HV	0.150	0.080	0.820

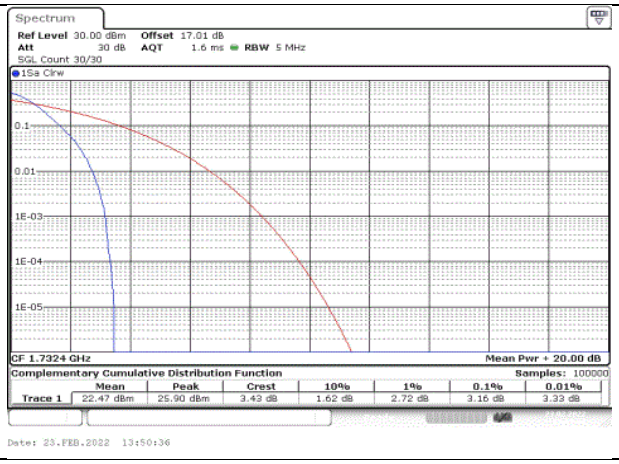
7. Peak-Average Ratio

WCDMA band IV

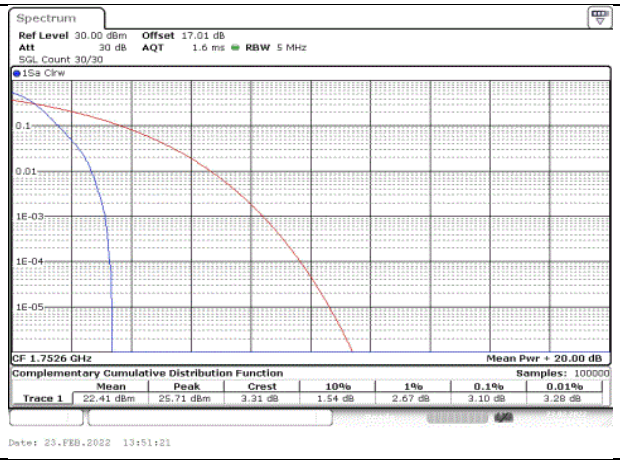
Test Mode: Release 99



Channel 1312

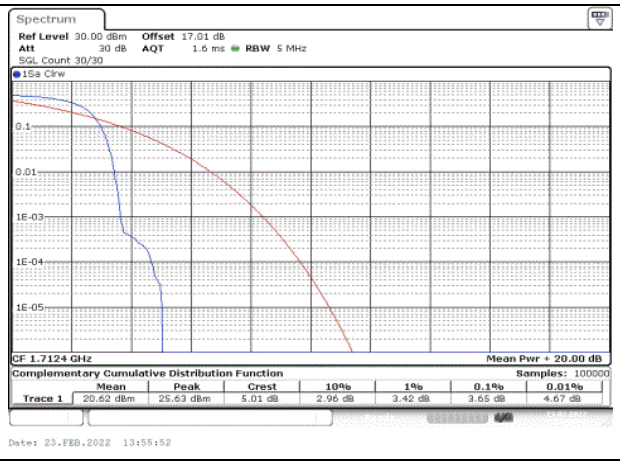


Channel 1412

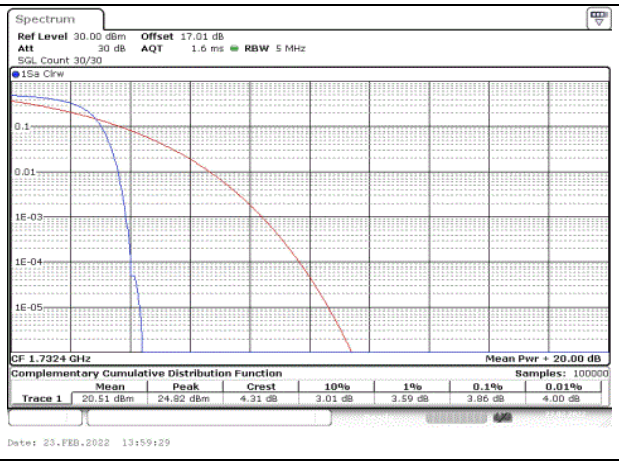


Channel 1513

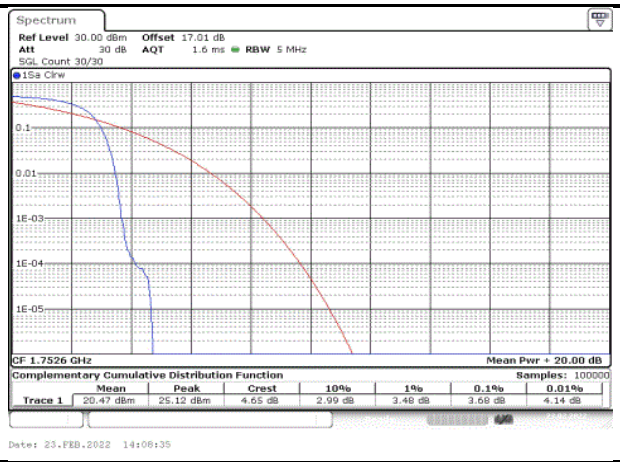
Test Mode: HSDPA



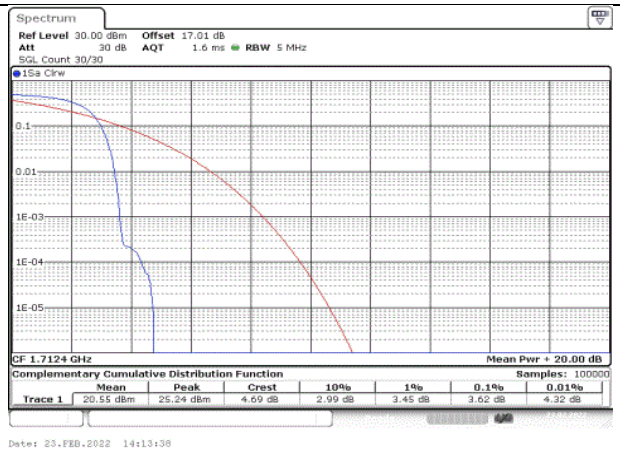
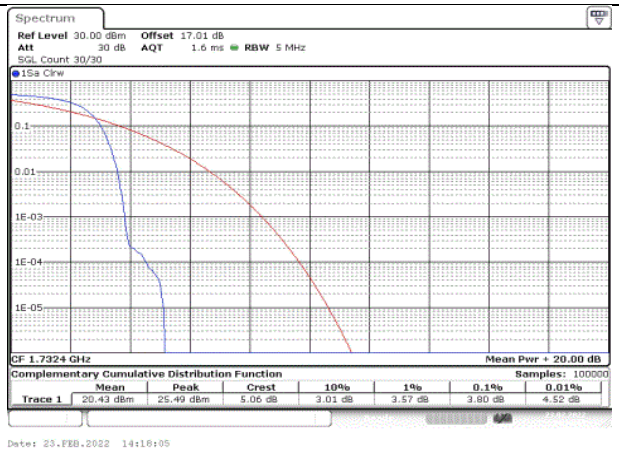
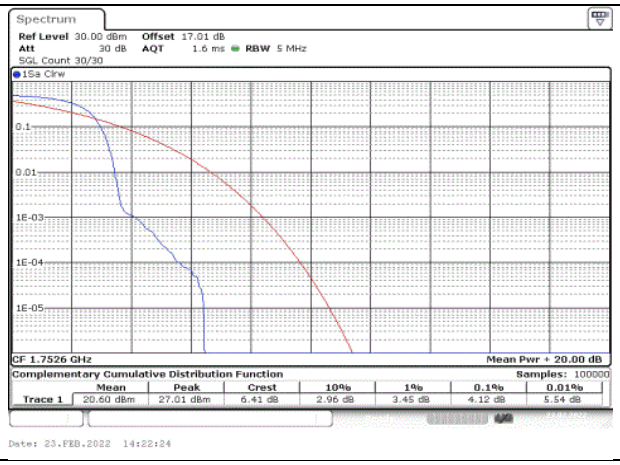
Channel 1312



Channel 1412

	
Channel 1513	

Test Mode: HSUPA

	
Channel 1312	Channel 1412
	
Channel 1513	

8. Effective Radiated Power and Effective Isotropic Radiated Power

WCDMA band IV

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
Release 99	RMC,12.2kbps	1712.4	1312	22.98	21.08	0.128
Release 99	RMC,12.2kbps	1732.6	1412	22.91	21.01	0.126
Release 99	RMC,12.2kbps	1752.6	1513	22.93	21.03	0.127

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSDPA	Subtest1	1712.4	1312	20.95	19.05	0.080
HSDPA	Subtest1	1732.6	1412	20.95	19.05	0.080
HSDPA	Subtest1	1752.6	1513	20.93	19.03	0.080
HSDPA	Subtest2	1712.4	1312	20.95	19.05	0.080
HSDPA	Subtest2	1732.6	1412	20.93	19.03	0.080
HSDPA	Subtest2	1752.6	1513	20.92	19.02	0.080
HSDPA	Subtest3	1712.4	1312	20.97	19.07	0.081
HSDPA	Subtest3	1732.6	1412	20.94	19.04	0.080
HSDPA	Subtest3	1752.6	1513	20.93	19.03	0.080
HSDPA	Subtest4	1712.4	1312	20.94	19.04	0.080
HSDPA	Subtest4	1732.6	1412	20.97	19.07	0.081
HSDPA	Subtest4	1752.6	1513	20.91	19.01	0.080

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSUPA	Subtest1	1712.4	1312	20.99	19.09	0.081
HSUPA	Subtest1	1732.6	1412	20.9	19.00	0.079
HSUPA	Subtest1	1752.6	1513	20.87	18.97	0.079
HSUPA	Subtest2	1712.4	1312	20.91	19.01	0.080
HSUPA	Subtest2	1732.6	1412	20.88	18.98	0.079
HSUPA	Subtest2	1752.6	1513	20.86	18.96	0.079
HSUPA	Subtest3	1712.4	1312	21	19.10	0.081
HSUPA	Subtest3	1732.6	1412	20.95	19.05	0.080
HSUPA	Subtest3	1752.6	1513	20.95	19.05	0.080
HSUPA	Subtest4	1712.4	1312	20.99	19.09	0.081
HSUPA	Subtest4	1732.6	1412	20.88	18.98	0.079

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSUPA	Subtest4	1752.6	1513	20.87	18.97	0.079
HSUPA	Subtest5	1712.4	1312	21.36	19.46	0.088
HSUPA	Subtest5	1732.6	1412	21.29	19.39	0.087
HSUPA	Subtest5	1752.6	1513	21.32	19.42	0.087

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSPA+	QPSK	1712.4	1312	20.89	18.99	0.079
HSPA+	QPSK	1732.6	1412	20.95	19.05	0.080
HSPA+	QPSK	1752.6	1513	20.91	19.01	0.080
HSPA+	16QAM	1712.4	1312	20.86	18.96	0.079
HSPA+	16QAM	1732.6	1412	20.88	18.98	0.079
HSPA+	16QAM	1752.6	1513	20.9	19.00	0.079

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
DC-HSDPA	Subtest1	1712.4	1312	20.97	19.07	0.081
DC-HSDPA	Subtest1	1732.6	1412	20.94	19.04	0.080
DC-HSDPA	Subtest1	1752.6	1513	20.93	19.03	0.080
DC-HSDPA	Subtest2	1712.4	1312	20.95	19.05	0.080
DC-HSDPA	Subtest2	1732.6	1412	20.96	19.06	0.081
DC-HSDPA	Subtest2	1752.6	1513	20.93	19.03	0.080
DC-HSDPA	Subtest3	1712.4	1312	20.94	19.04	0.080
DC-HSDPA	Subtest3	1732.6	1412	20.93	19.03	0.080
DC-HSDPA	Subtest3	1752.6	1513	20.92	19.02	0.080
DC-HSDPA	Subtest4	1712.4	1312	20.97	19.07	0.081
DC-HSDPA	Subtest4	1732.6	1412	20.94	19.04	0.080
DC-HSDPA	Subtest4	1752.6	1513	20.97	19.07	0.081

WCDMA band V

1. RF Power Output

WCDMA band V

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
Release 99	RMC,12.2kbps	826.4	4132	23.26
Release 99	RMC,12.2kbps	836.6	4183	23.29
Release 99	RMC,12.2kbps	846.6	4233	23.22

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSDPA	Subtest1	826.4	4132	21.27
HSDPA	Subtest1	836.6	4183	21.29
HSDPA	Subtest1	846.6	4233	21.31
HSDPA	Subtest2	826.4	4132	21.27
HSDPA	Subtest2	836.6	4183	21.29
HSDPA	Subtest2	846.6	4233	21.32
HSDPA	Subtest3	826.4	4132	21.25
HSDPA	Subtest3	836.6	4183	21.29
HSDPA	Subtest3	846.6	4233	21.31
HSDPA	Subtest4	826.4	4132	21.26
HSDPA	Subtest4	836.6	4183	21.31
HSDPA	Subtest4	846.6	4233	21.32

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSUPA	Subtest1	826.4	4132	21.21
HSUPA	Subtest1	836.6	4183	21.24
HSUPA	Subtest1	846.6	4233	21.22
HSUPA	Subtest2	826.4	4132	21.21
HSUPA	Subtest2	836.6	4183	21.24
HSUPA	Subtest2	846.6	4233	21.2
HSUPA	Subtest3	826.4	4132	21.19
HSUPA	Subtest3	836.6	4183	21.24
HSUPA	Subtest3	846.6	4233	21.25
HSUPA	Subtest4	826.4	4132	21.2
HSUPA	Subtest4	836.6	4183	21.24
HSUPA	Subtest4	846.6	4233	21.22
HSUPA	Subtest5	826.4	4132	21.65
HSUPA	Subtest5	836.6	4183	21.71
HSUPA	Subtest5	846.6	4233	21.64

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSPA+	QPSK	826.4	4132	21.22
HSPA+	QPSK	836.6	4183	21.25
HSPA+	QPSK	846.6	4233	21.2
HSPA+	16QAM	826.4	4132	21.2
HSPA+	16QAM	836.6	4183	21.24
HSPA+	16QAM	846.6	4233	21.23

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
DC-HSDPA	Subtest1	826.4	4132	21.28
DC-HSDPA	Subtest1	836.6	4183	21.29
DC-HSDPA	Subtest1	846.6	4233	21.3
DC-HSDPA	Subtest2	826.4	4132	21.27
DC-HSDPA	Subtest2	836.6	4183	21.28
DC-HSDPA	Subtest2	846.6	4233	21.29
DC-HSDPA	Subtest3	826.4	4132	21.25
DC-HSDPA	Subtest3	836.6	4183	21.3
DC-HSDPA	Subtest3	846.6	4233	21.26
DC-HSDPA	Subtest4	826.4	4132	21.26
DC-HSDPA	Subtest4	836.6	4183	21.29
DC-HSDPA	Subtest4	846.6	4233	21.29

2. Occupied Bandwidth

WCDMA band V

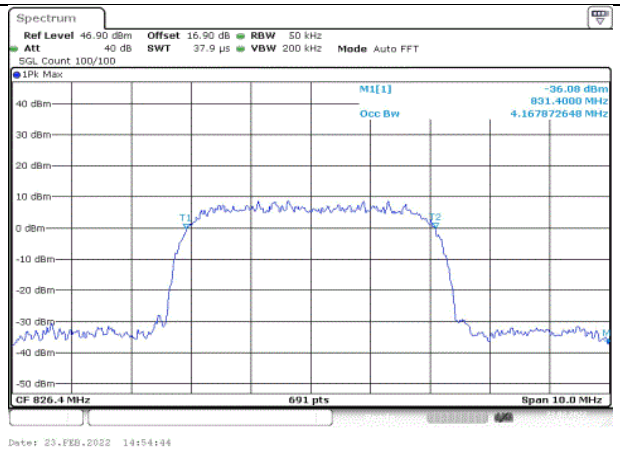
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
Release 99	826.4	4132	4.17
Release 99	836.6	4183	4.18
Release 99	846.6	4233	4.17

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSDPA	826.4	4132	4.15
HSDPA	836.6	4183	4.17
HSDPA	846.6	4233	4.15

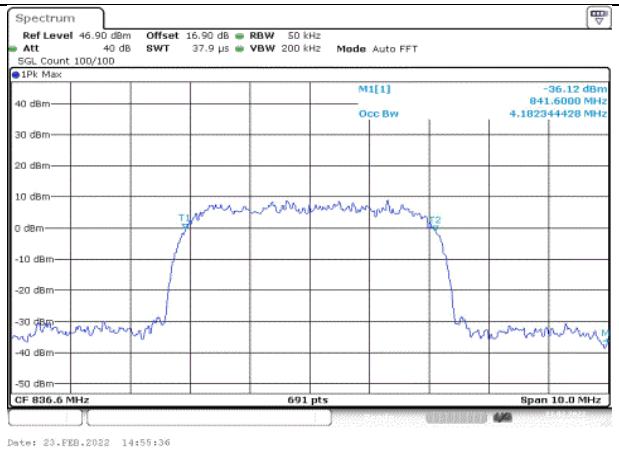
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSUPA	826.4	4132	4.18
HSUPA	836.6	4183	4.18
HSUPA	846.6	4233	4.17

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSPA+	826.4	4132	4.18
HSPA+	836.6	4183	4.15
HSPA+	846.6	4233	4.16

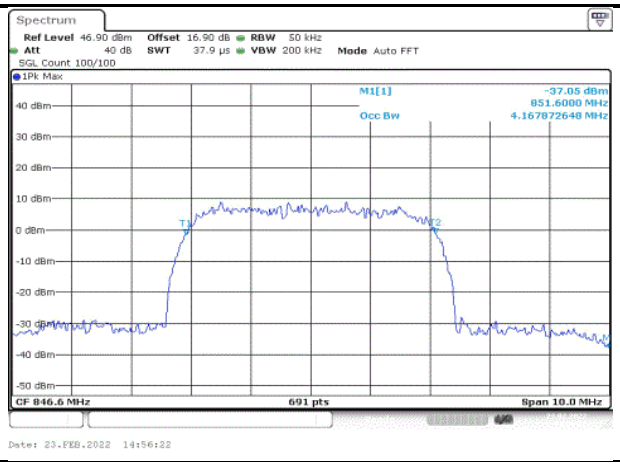
WCDMA band V
Test Mode: Release 99



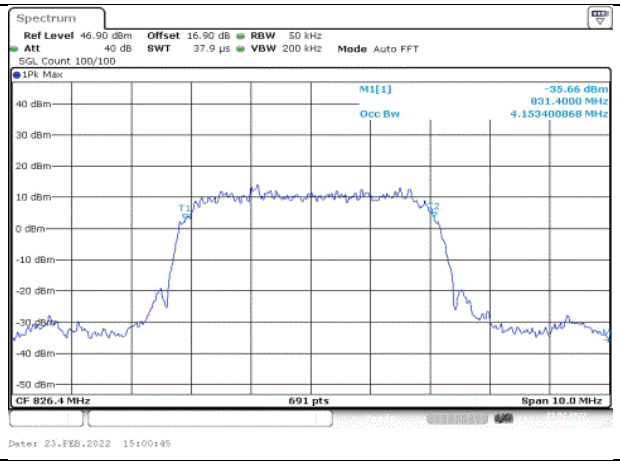
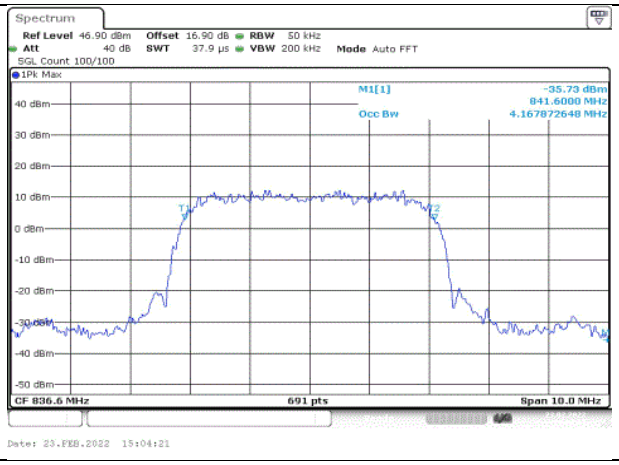
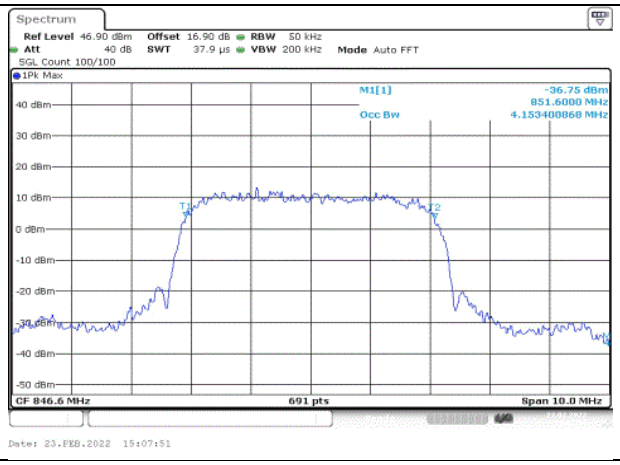
Channel 4132



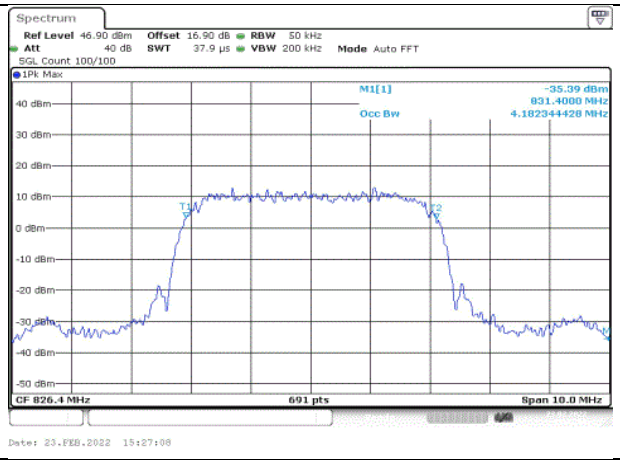
Channel 4183

	
Channel 4233	

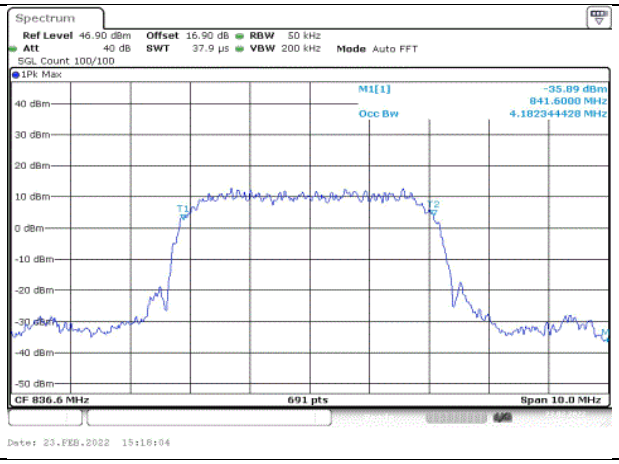
Test Mode: HSDPA

	
Channel 4132	Channel 4183
	
Channel 4233	

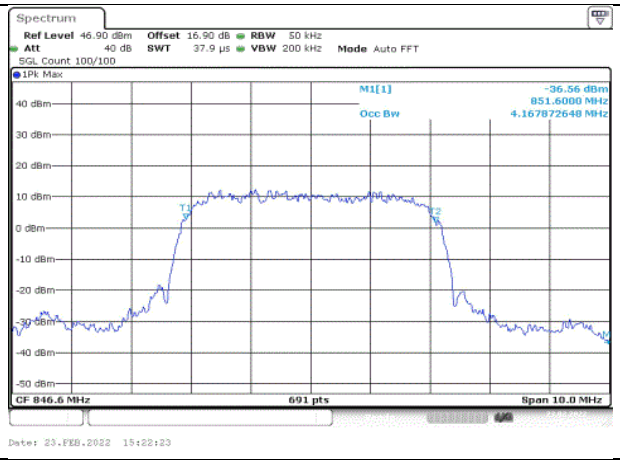
Test Mode: HSUPA



Channel 4132

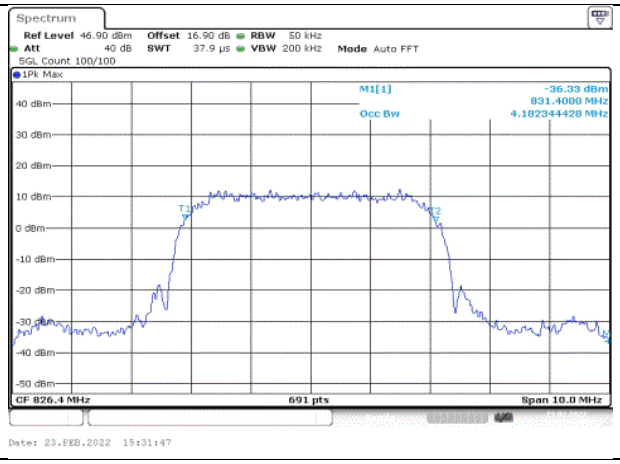


Channel 4183

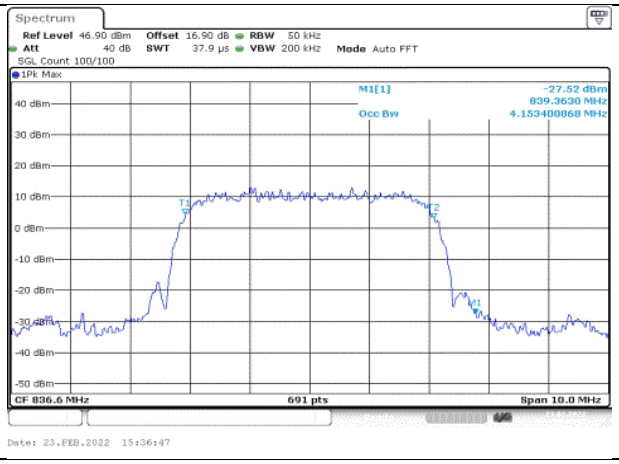


Channel 4233

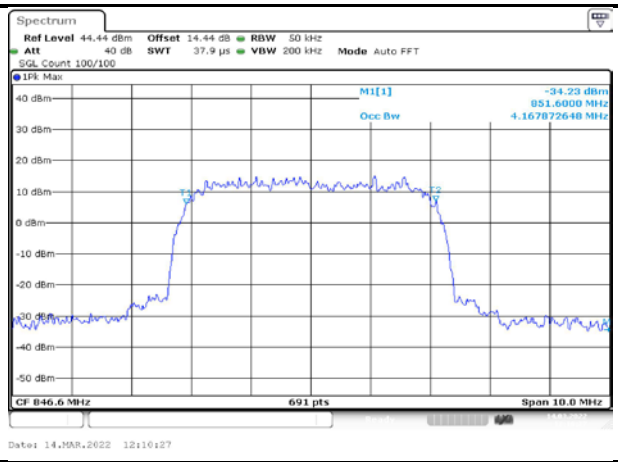
Test Mode: HSPA+



Channel 4132



Channel 4183

	
Channel 4233	

3. Emission Bandwidth

WCDMA band V

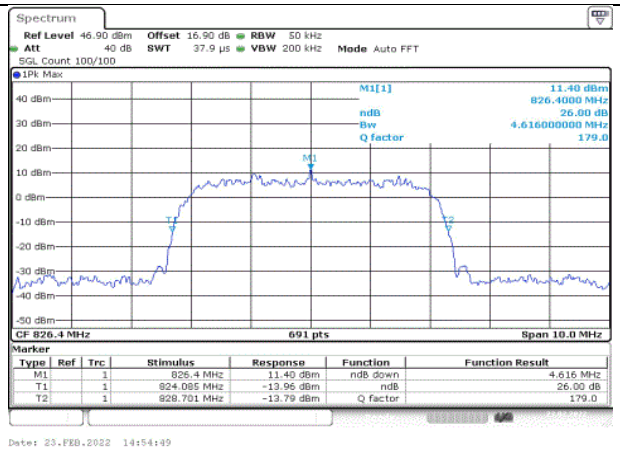
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
Release 99	826.4	4132	4.62
Release 99	836.6	4183	4.66
Release 99	846.6	4233	4.67

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSDPA	826.4	4132	4.67
HSDPA	836.6	4183	4.66
HSDPA	846.6	4233	4.66

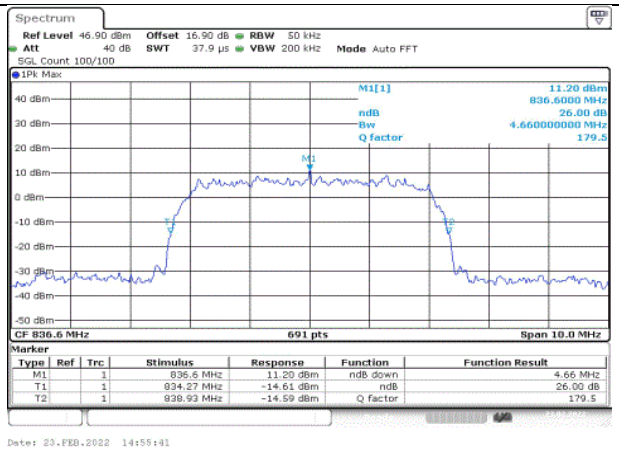
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSUPA	826.4	4132	4.66
HSUPA	836.6	4183	4.67
HSUPA	846.6	4233	4.69

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSPA+	826.4	4132	4.69
HSPA+	836.6	4183	4.66
HSPA+	846.6	4233	4.65

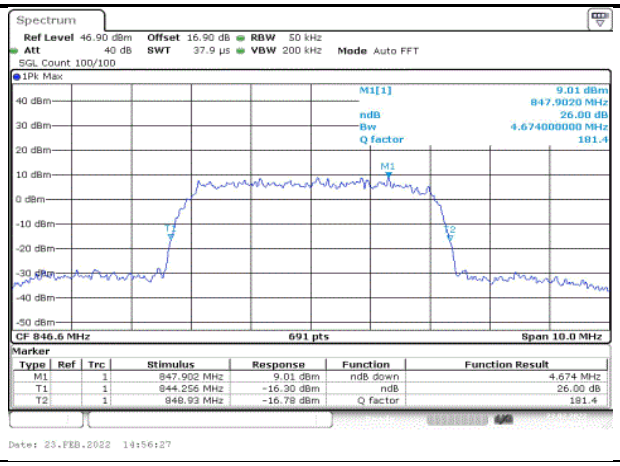
WCDMA band V
Test Mode: Release 99



Channel 4132

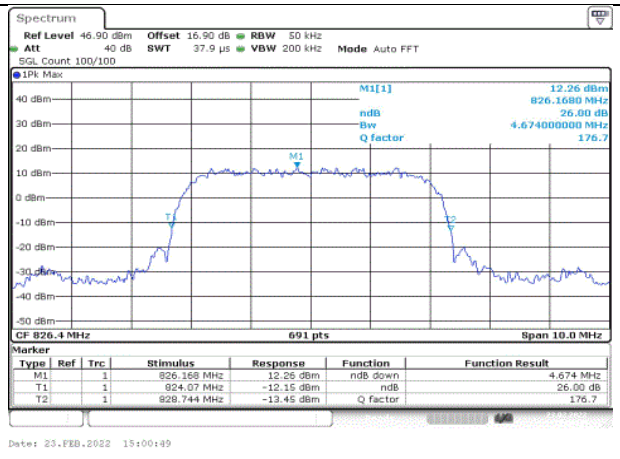


Channel 4183

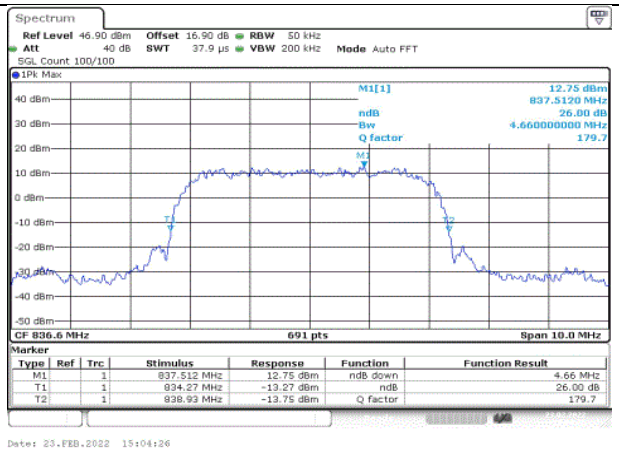


Channel 4233

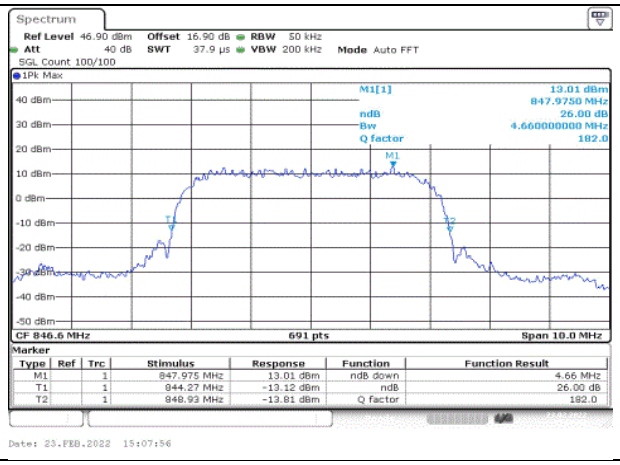
Test Mode: HSDPA



Channel 4132

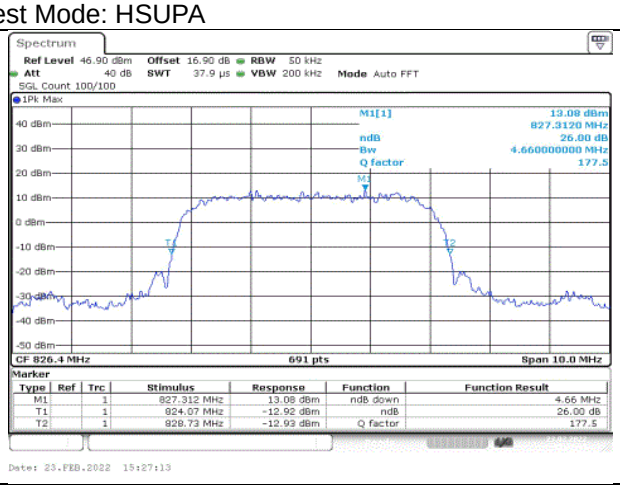


Channel 4183

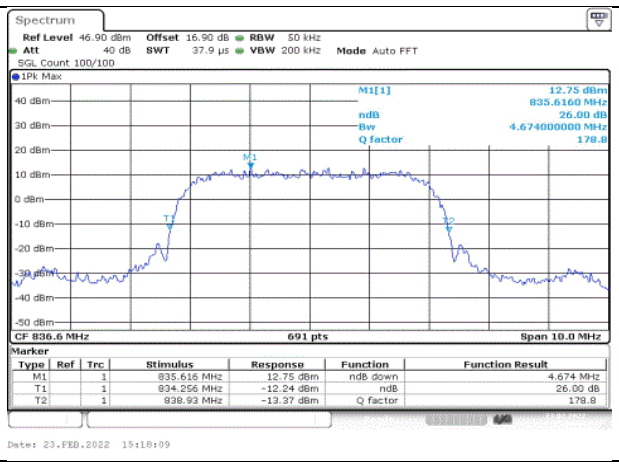


Channel 4233

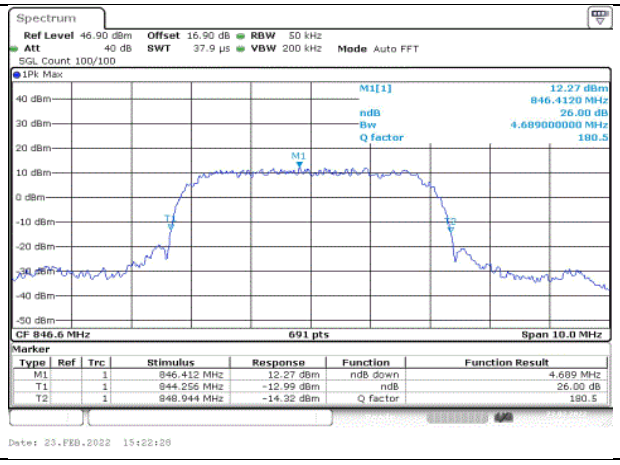
Test Mode: HSUPA



Channel 4132

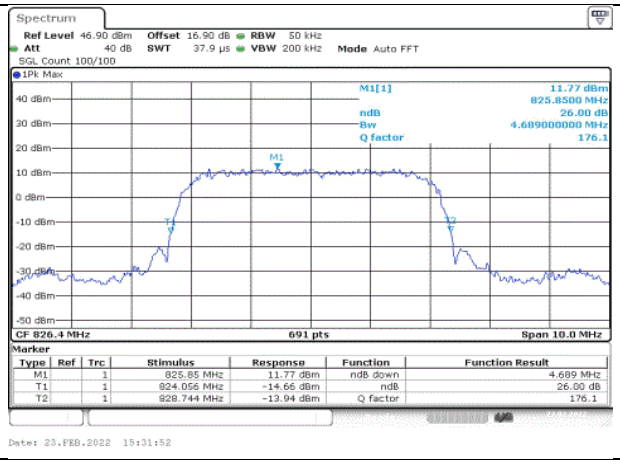


Channel 4183

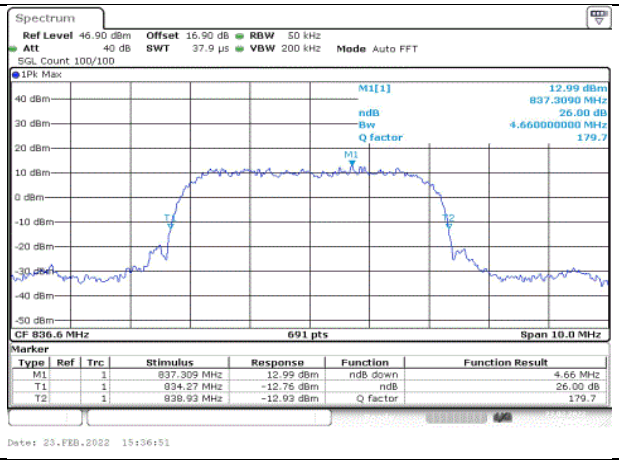


Channel 4233

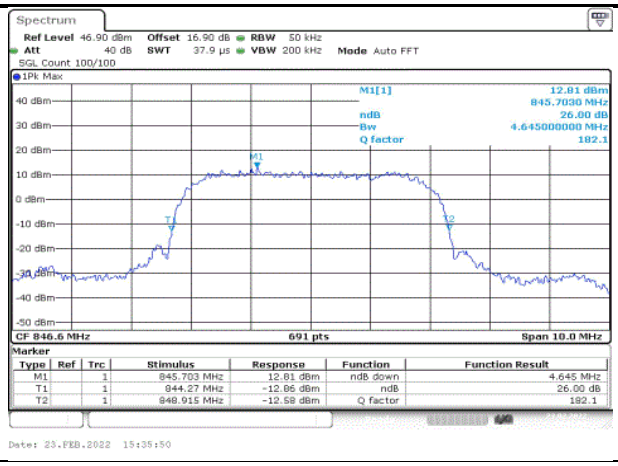
Test Mode: HSPA+



Channel 4132



Channel 4183

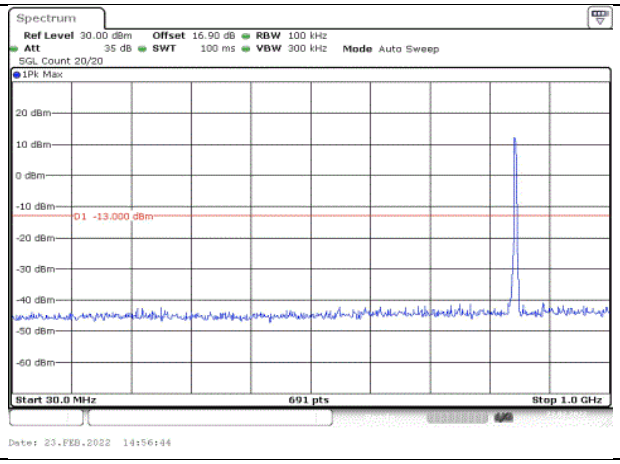
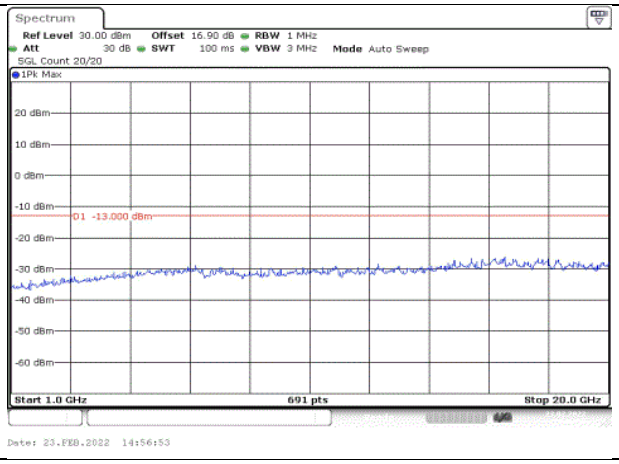


Channel 4233	

4. Spurious Emissions at antenna terminal

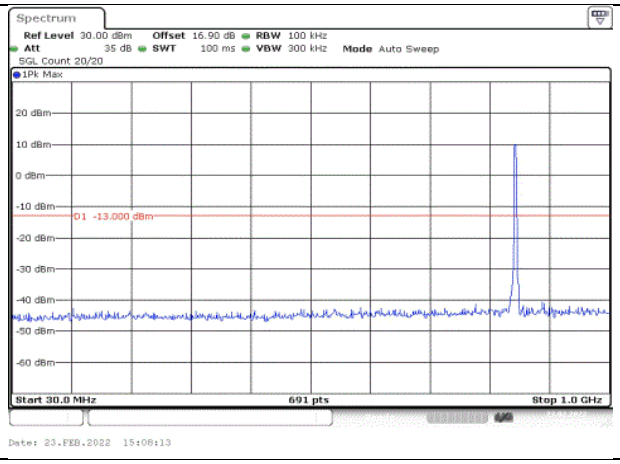
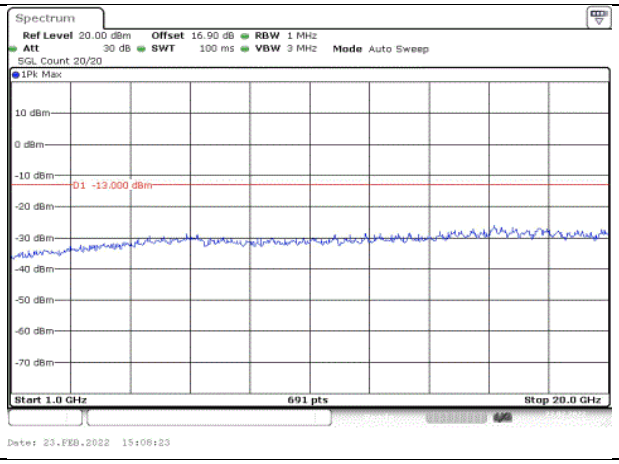
WCDMA band V

Test Mode: Release 99

	
Channel 4132 30MHz~1GHz(dBm)	Channel 4132 1GHz~20GHz(dBm)

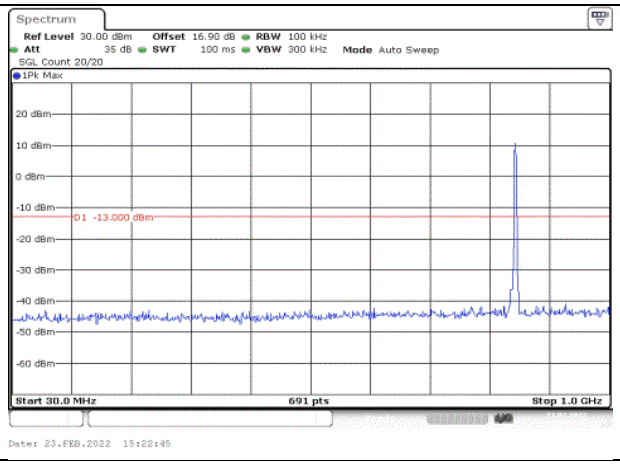
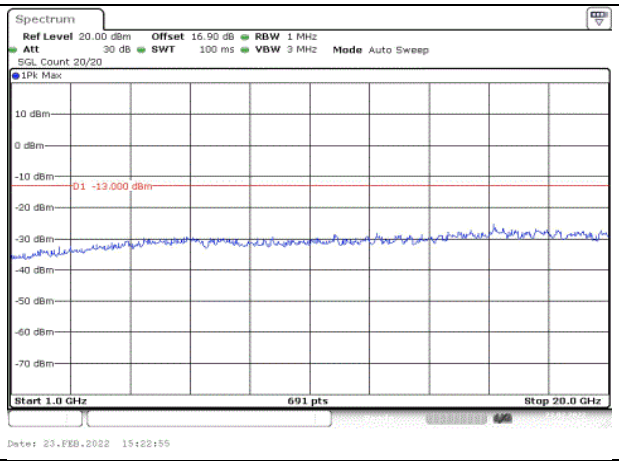
Note: The signal beyond the limit is the signal transmitted by EUT.

Test Mode: HSDPA

	
Channel 4132 30MHz~1GHz(dBm)	Channel 4132 1GHz~20GHz(dBm)

Note: The signal beyond the limit is the signal transmitted by EUT.

Test Mode: HSUPA

	
Channel 4132 30MHz~1GHz(dBm)	Channel 4132 1GHz~20GHz(dBm)

Note: The signal beyond the limit is the signal transmitted by EUT.

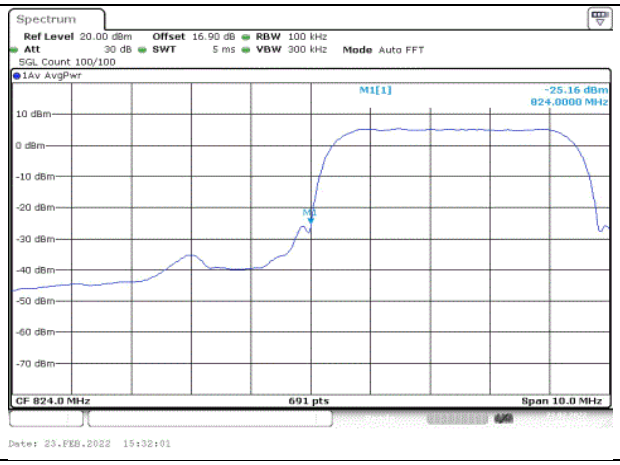
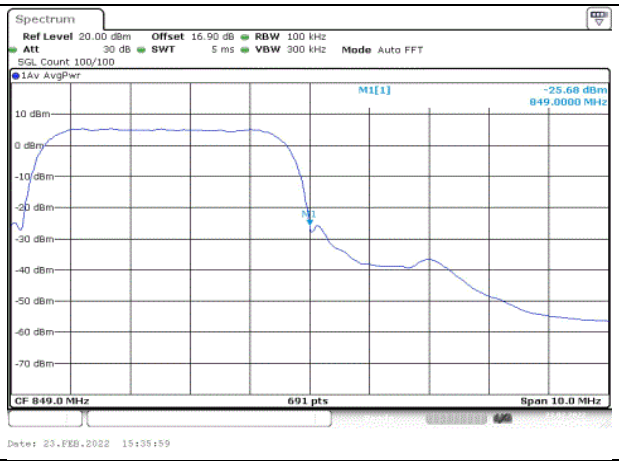
5. Band Edges Compliance

WCDMA band V

Test Mode: Release 99

	
Channel 4132	Channel 4233

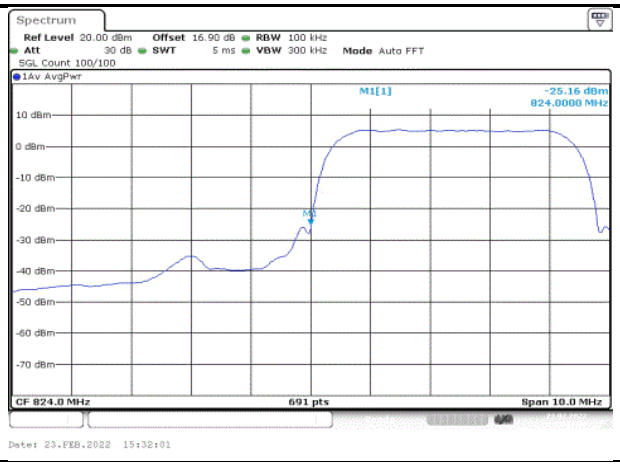
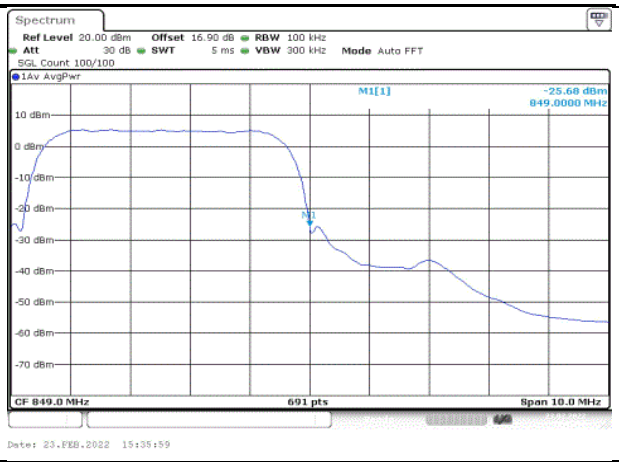
Test Mode: HSDPA

	
Channel 4132	Channel 4233

Test Mode: HSUPA

	
Channel 4132	Channel 4233

Test Mode: HSPA+

	
Channel 4132	Channel 4233

6. Frequency Stability

WCDMA band V

Test Mode: Release 99

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Release 99	-30	-0.100	-0.150	0.610
Release 99	-20	0.270	0.110	0.620
Release 99	-10	0.070	-0.030	0.590
Release 99	-0	-0.030	0.000	0.780
Release 99	+10	-0.090	0.330	0.740
Release 99	+30	-0.200	0.270	0.850
Release 99	+40	0.390	0.270	0.820
Release 99	+50	0.040	0.330	0.500
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Release 99	LV	-0.230	0.290	0.450
Release 99	HV	0.270	0.270	0.300

Test Mode: HSDPA

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	-30	-0.390	0.030	-0.240
Subtest1	-20	0.030	0.010	0.070
Subtest1	-10	0.230	0.100	0.210
Subtest1	-0	0.140	-0.110	0.160
Subtest1	+10	-0.030	0.190	0.140
Subtest1	+30	0.220	0.150	0.200
Subtest1	+40	0.240	-0.030	0.320
Subtest1	+50	0.210	-0.080	-0.320
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	LV	0.060	0.180	0.270
Subtest1	HV	0.150	0.020	0.120

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Subtest2	-30	-0.600	-0.120	-0.470
Subtest2	-20	-0.110	-0.090	-0.100
Subtest2	-10	0.080	0.010	0.040
Subtest2	-0	0.040	-0.180	0.030
Subtest2	+10	-0.020	0.010	-0.020
Subtest2	+30	-0.210	0.140	0.180
Subtest2	+40	-0.210	0.020	-0.150
Subtest2	+50	0.010	-0.080	-0.440
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Subtest2	LV	0.100	-0.140	-0.130
Subtest2	HV	0.150	0.030	0.090

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Subtest3	-30	-0.400	0.060	-0.410
Subtest3	-20	0.180	0.160	0.020
Subtest3	-10	-0.100	0.250	0.210
Subtest3	-0	-0.090	0.170	0.010
Subtest3	+10	-0.090	0.150	0.070
Subtest3	+30	0.180	0.150	0.090
Subtest3	+40	0.140	0.010	0.140
Subtest3	+50	-0.030	0.240	-0.280
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Subtest3	LV	0.150	0.260	0.140
Subtest3	HV	0.140	0.060	-0.020

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Subtest4	-30	-0.530	-0.090	-0.420
Subtest4	-20	0.090	-0.020	-0.010
Subtest4	-10	-0.140	0.070	-0.190
Subtest4	-0	-0.110	0.070	-0.040
Subtest4	+10	-0.050	0.150	-0.130
Subtest4	+30	-0.160	0.160	0.120
Subtest4	+40	-0.290	0.060	-0.180
Subtest4	+50	-0.080	0.150	-0.680
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Subtest4	LV	-0.230	-0.090	-0.180
Subtest4	HV	-0.280	0.050	0.120

Test Mode: HSUPA

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	-30	1.000	1.000	0.850
Subtest1	-20	0.960	0.670	0.800
Subtest1	-10	0.890	0.890	0.620
Subtest1	-0	0.560	0.480	0.430
Subtest1	+10	0.740	0.090	0.140
Subtest1	+30	0.730	0.890	0.870
Subtest1	+40	0.680	0.840	0.830
Subtest1	+50	0.730	0.800	0.210
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	LV	0.730	0.590	0.560
Subtest1	HV	0.900	0.420	0.190

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Subtest2	-30	0.860	0.890	0.690
Subtest2	-20	0.850	0.960	0.700
Subtest2	-10	0.830	0.780	0.500
Subtest2	-0	0.590	0.510	0.410
Subtest2	+10	0.500	0.160	0.140
Subtest2	+30	0.830	0.970	0.560
Subtest2	+40	0.720	0.930	0.790
Subtest2	+50	0.740	0.750	0.070
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Subtest2	LV	0.860	0.850	0.530
Subtest2	HV	0.590	0.100	0.260

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Subtest3	-30	0.810	0.850	0.520
Subtest3	-20	0.820	0.910	0.560
Subtest3	-10	0.810	0.730	0.480
Subtest3	-0	0.430	0.560	0.370
Subtest3	+10	0.320	0.100	-0.260
Subtest3	+30	0.540	0.620	0.580
Subtest3	+40	0.760	1.000	0.390
Subtest3	+50	0.700	0.830	-0.060
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Subtest3	LV	0.530	0.580	0.490
Subtest3	HV	0.450	0.130	-0.170

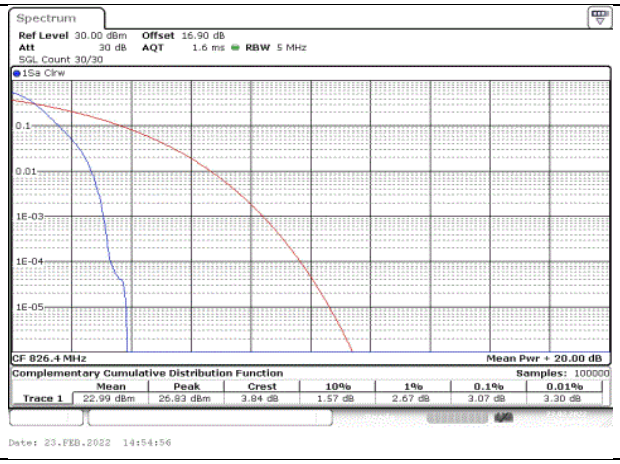
Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Subtest4	-30	0.690	0.740	0.690
Subtest4	-20	0.540	0.800	0.790
Subtest4	-10	0.600	0.610	0.830
Subtest4	-0	0.630	0.420	0.690
Subtest4	+10	0.550	0.150	0.030
Subtest4	+30	0.690	0.650	0.580
Subtest4	+40	0.650	0.680	0.830
Subtest4	+50	0.650	0.740	0.230
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Subtest4	LV	0.860	0.570	0.910
Subtest4	HV	0.730	0.210	0.240

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Subtest5	-30	0.460	0.510	0.340
Subtest5	-20	0.490	0.260	0.210
Subtest5	-10	0.240	0.560	0.280
Subtest5	-0	0.260	0.460	0.180
Subtest5	+10	0.280	-0.240	-0.360
Subtest5	+30	0.620	0.270	0.190
Subtest5	+40	0.450	0.380	0.440
Subtest5	+50	0.610	0.280	-0.310
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Subtest5	LV	0.370	0.630	0.510
Subtest5	HV	0.540	-0.050	-0.140

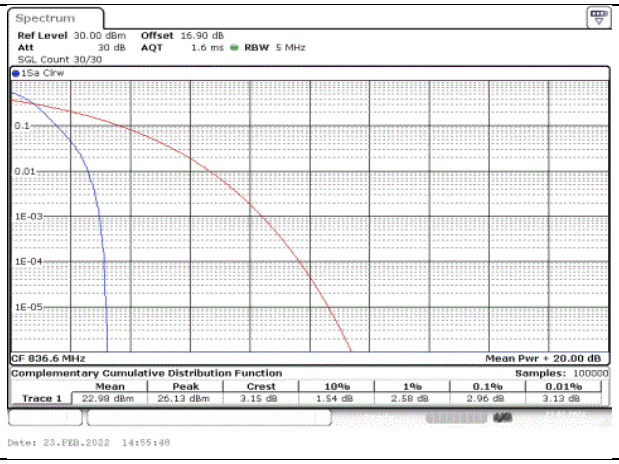
7. Peak-Average Ratio

WCDMA band V

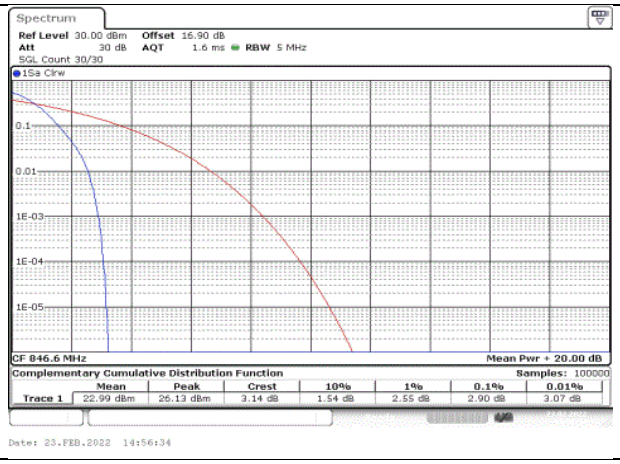
Test Mode: Release 99



Channel 4132

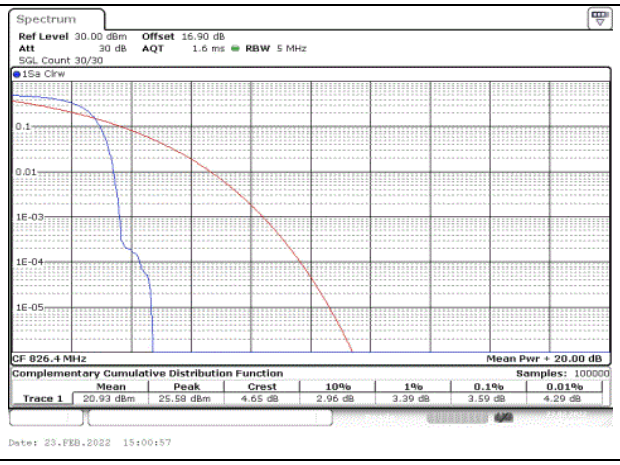


Channel 4183

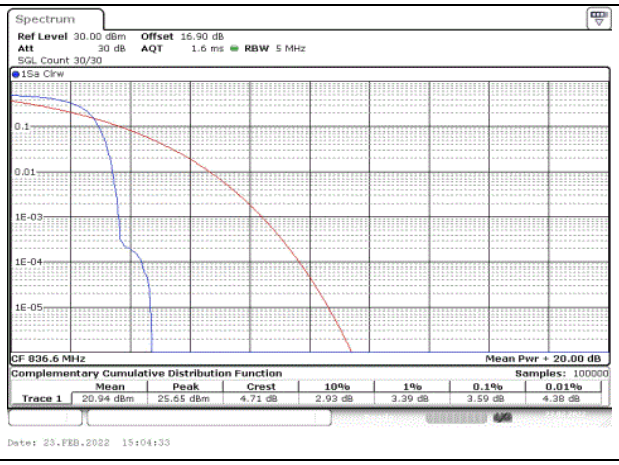


Channel 4233

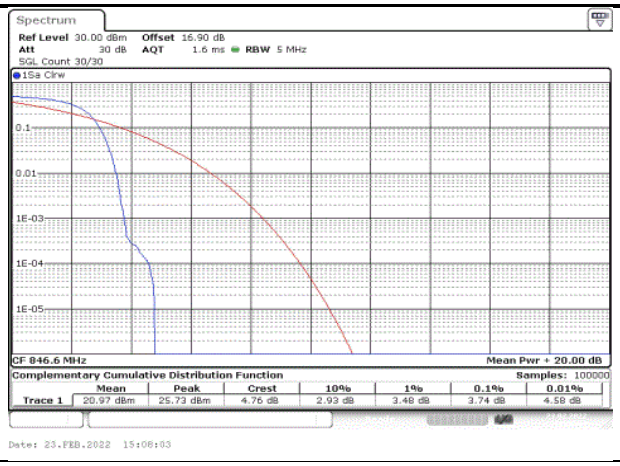
Test Mode: HSDPA



Channel 4132

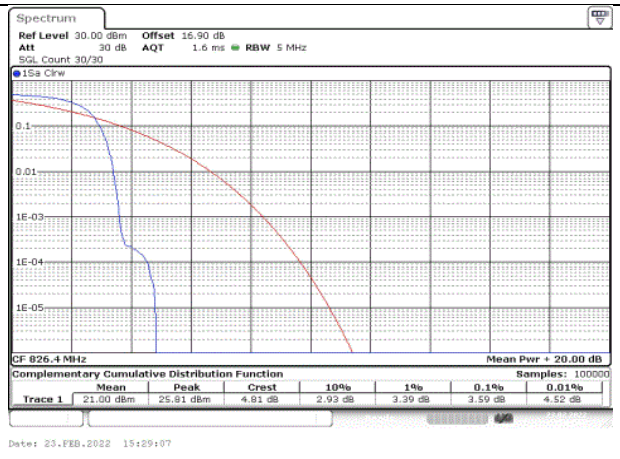


Channel 4183

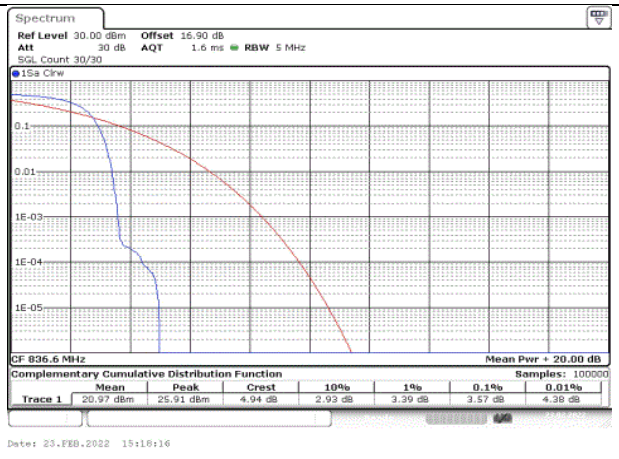


Channel 4233

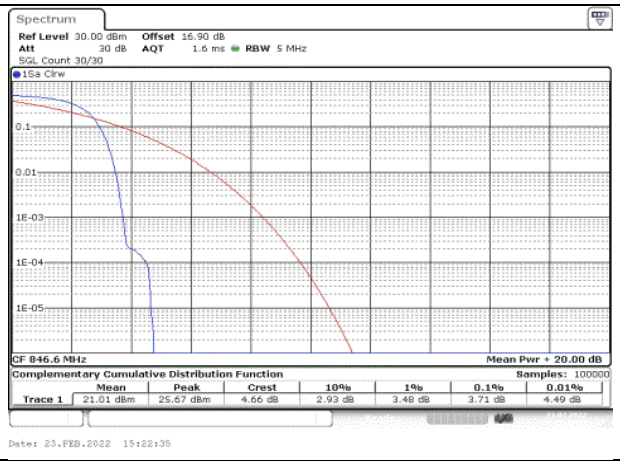
Test Mode: HSUPA



Channel 4132



Channel 4183



Channel 4233

8. Effective Radiated Power and Effective Isotropic Radiated Power

WCDMA band V

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
Release 99	RMC,12.2kbps	826.4	4132	23.26	18.61	0.073
Release 99	RMC,12.2kbps	836.6	4183	23.29	18.64	0.073
Release 99	RMC,12.2kbps	846.6	4233	23.22	18.57	0.072

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSDPA	Subtest1	826.4	4132	21.27	16.62	0.046
HSDPA	Subtest1	836.6	4183	21.29	16.64	0.046
HSDPA	Subtest1	846.6	4233	21.31	16.66	0.046
HSDPA	Subtest2	826.4	4132	21.27	16.62	0.046
HSDPA	Subtest2	836.6	4183	21.29	16.64	0.046
HSDPA	Subtest2	846.6	4233	21.32	16.67	0.046
HSDPA	Subtest3	826.4	4132	21.25	16.60	0.046
HSDPA	Subtest3	836.6	4183	21.29	16.64	0.046
HSDPA	Subtest3	846.6	4233	21.31	16.66	0.046
HSDPA	Subtest4	826.4	4132	21.26	16.61	0.046
HSDPA	Subtest4	836.6	4183	21.31	16.66	0.046
HSDPA	Subtest4	846.6	4233	21.32	16.67	0.046

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSUPA	Subtest1	826.4	4132	21.21	16.56	0.045
HSUPA	Subtest1	836.6	4183	21.24	16.59	0.046
HSUPA	Subtest1	846.6	4233	21.22	16.57	0.045
HSUPA	Subtest2	826.4	4132	21.21	16.56	0.045
HSUPA	Subtest2	836.6	4183	21.24	16.59	0.046
HSUPA	Subtest2	846.6	4233	21.2	16.55	0.045
HSUPA	Subtest3	826.4	4132	21.19	16.54	0.045
HSUPA	Subtest3	836.6	4183	21.24	16.59	0.046
HSUPA	Subtest3	846.6	4233	21.25	16.60	0.046
HSUPA	Subtest4	826.4	4132	21.2	16.55	0.045
HSUPA	Subtest4	836.6	4183	21.24	16.59	0.046

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSUPA	Subtest4	846.6	4233	21.22	16.57	0.045
HSUPA	Subtest5	826.4	4132	21.65	17.00	0.050
HSUPA	Subtest5	836.6	4183	21.71	17.06	0.051
HSUPA	Subtest5	846.6	4233	21.64	16.99	0.050

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSPA+	QPSK	826.4	4132	21.22	16.57	0.045
HSPA+	QPSK	836.6	4183	21.25	16.60	0.046
HSPA+	QPSK	846.6	4233	21.2	16.55	0.045
HSPA+	16QAM	826.4	4132	21.2	16.55	0.045
HSPA+	16QAM	836.6	4183	21.24	16.59	0.046
HSPA+	16QAM	846.6	4233	21.23	16.58	0.045

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
DC-HSDPA	Subtest1	826.4	4132	21.28	16.63	0.046
DC-HSDPA	Subtest1	836.6	4183	21.29	16.64	0.046
DC-HSDPA	Subtest1	846.6	4233	21.3	16.65	0.046
DC-HSDPA	Subtest2	826.4	4132	21.27	16.62	0.046
DC-HSDPA	Subtest2	836.6	4183	21.28	16.63	0.046
DC-HSDPA	Subtest2	846.6	4233	21.29	16.64	0.046
DC-HSDPA	Subtest3	826.4	4132	21.25	16.60	0.046
DC-HSDPA	Subtest3	836.6	4183	21.3	16.65	0.046
DC-HSDPA	Subtest3	846.6	4233	21.26	16.61	0.046
DC-HSDPA	Subtest4	826.4	4132	21.26	16.61	0.046
DC-HSDPA	Subtest4	836.6	4183	21.29	16.64	0.046
DC-HSDPA	Subtest4	846.6	4233	21.29	16.64	0.046

APPENDIX B – TEST DATA OF RADIATED EMISSION

Radiated Spurious Emissions

Note：The worst channel results are reflected in the report.

Note: The scanned graph represents the maximum of both horizontal and vertical polarizations and is not a single horizontal or vertical polarization scan.

WCDMA band II
Test result：
WCDMA Mode：
Channel 9400

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
3761.718750	-49.99	-13	Vertical
5636.718750	-50.30	-13	Vertical
7516.406250	-58.08	-13	Vertical
8745.937500	-55.66	-13	Vertical
11561.250000	-56.79	-13	Vertical
13461.093750	-52.64	-13	Vertical

WCDMA band IV
Test result：
WCDMA Mode：
Channel 1412

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
3463.593750	-54.35	-13	Vertical
5200.312500	-51.47	-13	Vertical
6838.593750	-57.04	-13	Vertical
8658.281250	-54.75	-13	Vertical
10397.343750	-55.43	-13	Vertical
12120.937500	-54.15	-13	Vertical

WCDMA band V
Test result：
WCDMA Mode：
Channel 4183

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
3341.859375	-63.94	-13	Vertical
4178.226563	-57.41	-13	Vertical
5013.375000	-56.78	-13	Vertical
6849.421875	-56.65	-13	Vertical
8093.460938	-57.26	-13	Vertical
10793.601563	-56.93	-13	Vertical

---The end of the test report---