



中国认可
国际互认
检测

TESTING
CNAS L0095



Test Report No.:
FCC2021-0035-RF2

RF Test Report

EUT : Quantum Access Q3
MODEL : Access Q3
BRAND NAME : N/A
CLIENT : QUAMTUM CONNECTIVITY DE
MEXICO, S.A. DE C.V.
Classification Of Test : N/A

CVC Testing Technology Co., Ltd.



Client	Name : QUAMTUM CONNECTIVITY DE MEXICO, S.A. DE C.V. Address : Torcuato Tasso 245, Despacho 403, Oficina 21Col. Polanco V Sección, C.P. 11560 Alcaldía Miguel Hidalgo, CDMX,México		
Manufacturer	Name : QUAMTUM CONNECTIVITY DE MEXICO, S.A. DE C.V. Address : Torcuato Tasso 245, Despacho 403, Oficina 21Col. Polanco V Sección, C.P. 11560 Alcaldía Miguel Hidalgo, CDMX,México		
Equipment Under Test	Name : Quantum Access Q3 Model/Type: Access Q3 Trade mark : N/A Serial NO.:N/A Sampe NO.:3-1		
Date of Receipt.	2021.11.18	Date of Testing	2021.11.18~2021.12.04
Test Specification		Test Result	
ANSI C63.26-2015,FCC PART 24, Subpart E FCC Part 2,ANSI/TIA-603-E		PASS	
Evaluation of Test Result	The equipment under test was found to comply with the requirements of the standards applied. Issue Date: 2021.12.08		
Tested by:  Xu ZhenFei Name Signature	Reviewed by:  Liu YongHai Name Signature	Approved by:  Chen HuaWen Name Signature	
Other Aspects: NONE.			
Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested			
This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.			



TABLE OF CONTENTS

RELEASE CONTROL RECORD.....	5
1 SUMMARY OF TEST RESULTS.....	6
2 GENERAL INFORMATION.....	7
2.1 GENERAL PRODUCT INFORMATION.....	7
2.2 DESCRIPTION OF ACCESSORIES.....	7
2.3 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL.....	8
2.4 GENERAL DESCRIPTION OF APPLIED STANDARDS.....	9
2.5 DESCRIPTION OF SUPPORT UNITS.....	9
2.6 LIST OF TEST AND MEASUREMENT INSTRUMENTS.....	9
2.7 MEASUREMENT UNCERTAINTY.....	10
2.8 TEST LOCATION.....	10
3 TEST TYPES AND RESULTS.....	11
3.1 OUT POWER MEASUREMENT.....	11
3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT.....	11
3.1.2 TEST PROCEDURES.....	11
3.1.3 TEST SETUP.....	11
3.1.4 TEST RESULTS.....	11
3.2 FREQUENCY STABILITY.....	12
3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT.....	12
3.2.2 TEST PROCEDURE.....	12
3.2.3 TEST SETUP.....	12
3.2.4 TEST RESULTS.....	12
3.3 OCCUPIED BANDWIDTH MEASUREMENT.....	13
3.3.1 TEST PROCEDURES.....	13
3.3.2 TEST SETUP.....	13
3.3.3 TEST RESULTS.....	13
3.4 BAND EDGE MEASUREMENT.....	14
3.4.1 LIMITS OF BAND EDGE MEASUREMENT.....	14
3.4.2 TEST SETUP.....	14
3.4.3 TEST PROCEDURES.....	15
3.4.4 TEST RESULTS.....	15
3.5 CONDUCTED SPURIOUS EMISSIONS.....	16
3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT.....	16
3.5.2 TEST PROCEDURE.....	16
3.5.3 TEST SETUP.....	16
3.5.4 TEST RESULTS.....	16
3.6 RADIATED EMISSION MEASUREMENT.....	17
3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT.....	17
3.6.2 TEST PROCEDURES.....	17
3.6.3 TEST SETUP.....	18
3.6.4 TEST RESULTS.....	19
3.7 PEAK TO AVERAGE RATIO.....	25
3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT.....	25
3.7.2 TEST SETUP.....	25
3.7.3 TEST PROCEDURES.....	25
3.7.4 TEST RESULTS.....	25
4 PHOTOGRAPHS OF TEST SETUP.....	26
5 APPENDIX A.....	27



5.1	OUTPUT POWER.....	27
5.1.1	Test Result(WCDMA).....	27
5.1.2	Test Result(HSDPA).....	27
5.1.3	Test Result(HSUPA).....	27
5.2	PEAK-TO-AVERAGE RATIO.....	29
5.2.1	Test Result(WCDMA).....	29
5.2.2	Test Result(HSDPA).....	29
5.2.3	Test Result(HSUPA).....	29
5.2.4	Test Graphs(WCDMA).....	31
5.2.5	Test Graphs(HSDPA).....	32
5.2.6	Test Graphs(HSUPA).....	36
5.3	OCCUPIED BANDWIDTH.....	41
5.3.1	Test Result(WCDMA).....	41
5.3.2	Test Result(HSDPA).....	41
5.3.3	Test Result(HSUPA).....	41
5.3.4	Test Graphs(WCDMA).....	42
5.3.5	Test Graphs(HSDPA).....	43
5.3.6	Test Graphs(HSUPA).....	47
5.4	BAND EDGE.....	52
5.4.1	Test Result(WCDMA).....	52
5.4.2	Test Result(HSDPA).....	52
5.4.3	Test Result(HSUPA).....	52
5.4.4	Test Graphs(WCDMA).....	53
5.4.5	Test Graphs(HSDPA).....	54
5.4.6	Test Graphs(HSUPA).....	57
5.5	CONDUCTED SPURIOUS EMISSION.....	61
5.5.1	Test Result(WCDMA).....	61
5.5.2	Test Result(HSDPA).....	61
5.5.3	Test Result(HSUPA).....	63
5.5.4	Test Graphs(WCDMA).....	65
5.5.5	Test Graphs(HSDPA).....	71
5.5.6	Test Graphs(HSUPA).....	95
5.6	FREQUENCY STABILITY.....	125
5.6.1	Test Result(WCDMA).....	125
5.6.2	Test Result(HSDPA).....	126
5.6.3	Test Result(HSUPA).....	129
6	APPENDIX B.....	132



RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCC2021-0035-RF2	Original release	2021.12.08



1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 24 & Part 2			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	REMARK
2.1046	RF power output	PASS	Meet the requirement of limit.
24.232(c)	Equivalent Isotropic Radiated Power	PASS	Meet the requirement of limit.
2.1055 24.235	Frequency Stability	PASS	Meet the requirement of limit.
2.1049	Occupied Bandwidth	PASS	Meet the requirement of limit.
24.232(d)	Band Edge Compliance	PASS	Meet the requirement of limit.
2.1051 24.238(a)	Conducted Spurious Emission	PASS	Meet the requirement of limit.
2.1053 24.238(a)	Radiates Spurious Emission	PASS	Meet the requirement of limit.
24.232	Peak-to-Average Power Ratio	PASS	Meet the requirement of limit.



2 GENERAL INFORMATION

2.1 GENERAL PRODUCT INFORMATION

PRODUCT	Quamtum Access Q3		
BRAND	N/A		
MODEL	Access Q3		
ADDITIONAL MODEL	N/A		
FCC ID	2A3WD-ACCESS-Q3		
POWER SUPPLY	DC 12V From Adapter		
MODULATION TYPE	WCDMA	BPSK, QPSK	
OPERATING FREQUENCY	Band	TX(MHz)	RX(MHz)
	WCDMA B2	1850 ~ 1910	1930 ~ 1990
MAX POWER	WCDMA B2: 22.95dBm (Maximum)		
ANTENNA TYPE	PCB Antenna with 1dBi gain for WCDMA B2		
I/O PORTS	Refer to user's manual		
CABLE SUPPLIED	N/A		
Remark:			
1. For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.			
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.			
3. Please refer to the EUT photo document (Reference No.: FCC2021-0035-E) for detailed product photo.			
4. The EUT have SISO function, provides 1 completed transmitter and 1 receiver.			
MODULATION MODE		TX FUNCTION	
WCDMA		1TX/1RX diversity	

2.2 Description of Accessories

Adapter	
BRAND	Quamtum
Model No.:	ZL-A012W1201000
Input:	100-240 V~50/60 Hz 0.5 A Max
Output:	12.0 V = 1 A
AC Cable:	N/A
DC Cable:	1.50 Meter, Unshielded without ferrite



2.3 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports.

EUT CONFIGURE MODE	DESCRIPTION
-	EUT + Adapter + with WCDMA

WCDMA Test mode

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
-	RF power output	9262 to 9538	9262, 9400, 9538	WCDMA
-	Equivalent Isotropic Radiated Power	9262 to 9538	9262, 9400, 9538	WCDMA
-	Frequency Stability	9262 to 9538	9262, 9538	WCDMA
-	Occupied Bandwidth	9262 to 9538	9262, 9400, 9538	WCDMA
-	Band Edge Compliance	9262 to 9538	9262, 9400, 9538	WCDMA
-	Conducted Spurious Emission	9262 to 9538	9262, 9538	WCDMA
-	Radiates Spurious Emission	9262 to 9538	9262, 9400, 9538	WCDMA
-	Peak-to-Average Power Ratio	9262 to 9538	9262, 9400, 9538	WCDMA

Test CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RF power output	22deg. C, 65%RH	DC 12V from Adapter	LI JiaLin
Equivalent Isotropic Radiated Power	22deg. C, 65%RH	DC 12V from Adapter	LI JiaLin
Frequency Stability	22deg. C, 65%RH	DC 12V from Adapter	LI JiaLin
Occupied Bandwidth	22deg. C, 65%RH	DC 12V from Adapter	LI JiaLin
Band Edge Compliance	22deg. C, 65%RH	DC 12V from Adapter	LI JiaLin
Conducted Spurious Emission	22deg. C, 65%RH	DC 12V from Adapter	LI JiaLin
Radiates Spurious Emission	23deg. C, 63%RH	DC 12V from Adapter	LI JiaLin
Peak-to-Average Power Ratio	22deg. C, 65%RH	DC 12V from Adapter	LI JiaLin



2.4 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product, according to the specifications of the manufacturers. It must comply with the requirements of the following standards:

FCC 47 CFR PART 2

FCC 47 CFR PART 24

KDB 971168 D01 POWER MEAS LICENSE DIGITAL SYSTEMS V03R01

ANSI/TIA-603-E

ANSI C63.26-2015

Note: All test items have been performed and recorded as per the above standards

2.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Support Equipment							
NO	Description	Brand	Model No.	Serial Number	Supplied by		
N/A	N/A	N/A	N/A	N/A	N/A		
Support Cable							
NO	Description	Quantity (Number)	Length (cm)	Detachable (Yes/ No)	Shielded (Yes/ No)	Cores (Number)	Supplied by
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

2.6 LIST OF TEST AND MEASUREMENT INSTRUMENTS

Refer to Appendix B.



2.7 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	UNCERTAINTY
Maximum Peak Output Power	$\pm 0.9\text{dB}$
Frequency Stability	$\pm 76.97\text{Hz}$
Radiated emissions (30MHz~1GHz)	$\pm 5.0\text{dB}$
Radiated emissions (1GHz ~18GHz)	$\pm 4.8\text{dB}$
Radiated emissions (18GHz ~40GHz)	$\pm 5.1\text{dB}$
Conducted emissions	$\pm 2.7\text{dB}$
Occupied Channel Bandwidth	$\pm 43.58\text{KHz}$
Band Edge Measurements	$\pm 2.7\text{dB}$
Peak to average ratio	$\pm 0.76\text{dB}$

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

2.8 TEST LOCATION

The tests and measurements refer to this report were performed by EMC testing Lab. of CVC Testing Technology Co., Ltd.

Address: No.3,TiantaiyiRoad,KaitaiAvenue,ScienceCity,Guangzhou,China

Post Code: 510663 Tel: 020-32293888

FAX: 020-32293889 E-mail: office@cvc.org.cn

Test Firm Registration Number: 937273

CN Number: 26239 Wireless Test Site Registration Number: CN0103

3 TEST TYPES AND RESULTS

3.1 OUT POWER MEASUREMENT

3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

Mobile / Portable station are limited to 2 watts e.r.p.

3.1.2 TEST PROCEDURES

Per KDB 971168 D01 Power Meas License Digital Systems v03r01 or subclause 5.2.5.5 of ANSI C63.26-2015, the relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$EIRP = PT + GT - LC$, $ERP = EIRP - 2.15dB_i$, where

PT = transmitter output power dBm;

GT = gain of the transmitting antenna dBi;

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

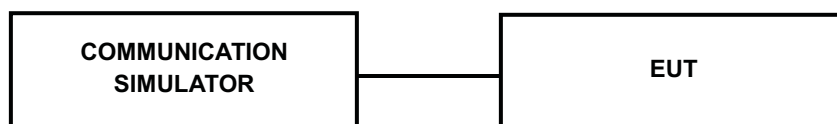
CONDUCTED POWER MEASUREMENT:

The EUT was set up for the maximum power with WCDMA link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

3.1.3 TEST SETUP

EIRP / ERP Measurement:

CONDUCTED POWER MEASUREMENT:



3.1.4 TEST RESULTS

Please refer Annex A

/

3.2 FREQUENCY STABILITY

3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

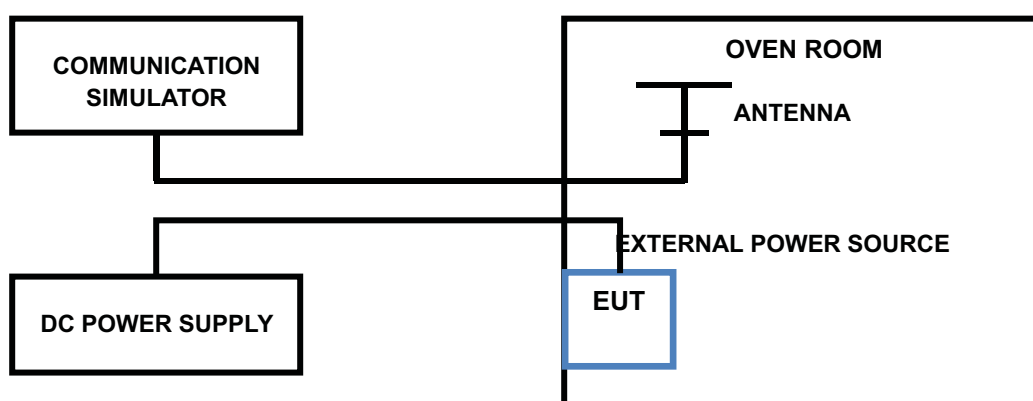
1.5 ppm is for base and fixed station. 2.5 ppm is for mobile station.

3.2.2 TEST PROCEDURE

- Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
- EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the $\pm 0.5^{\circ}\text{C}$ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

NOTE: The frequency error was recorded frequency error from the communication simulator.

3.2.3 TEST SETUP



3.2.4 TEST RESULTS

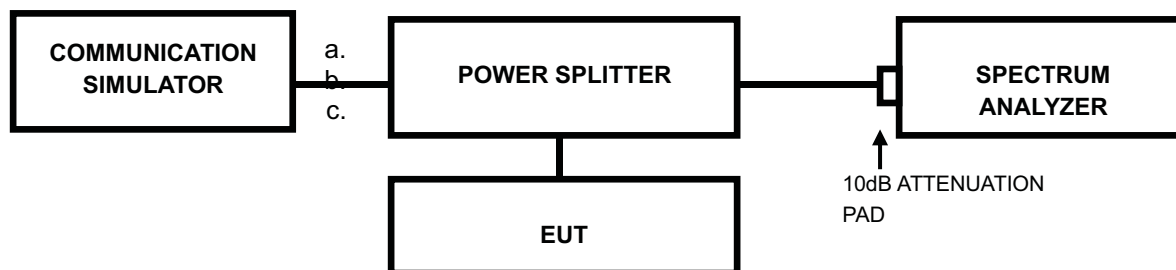
Please refer Annex A

3.3 OCCUPIED BANDWIDTH MEASUREMENT

3.3.1 TEST PROCEDURES

The EUT makes a call to the communication simulator. All measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

3.3.2 TEST SETUP



3.3.3 TEST RESULTS

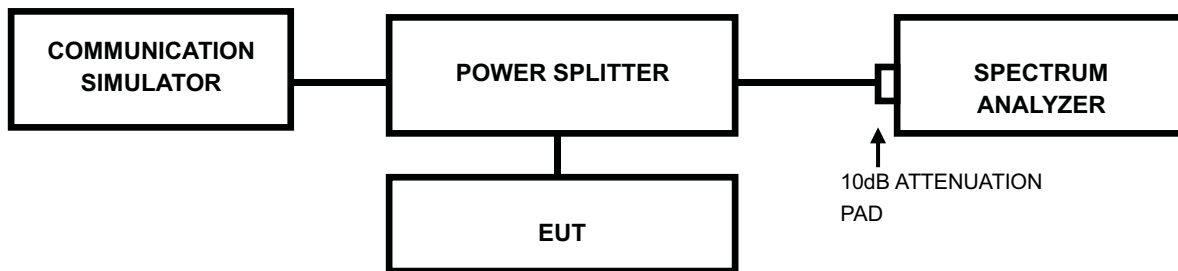
Please refer Annex A

3.4 BAND EDGE MEASUREMENT

3.4.1 LIMITS OF BAND EDGE MEASUREMENT

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. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

3.4.2 TEST SETUP





3.4.3 TEST PROCEDURES

- a. All measurements were done at low and high operational frequency range.
- b. The center frequency of spectrum is the band edge frequency and span is 10MHz. RBW of the spectrum is 100kHz and VBW of the spectrum is 300kHz (WCDMA).
- c. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 20kHz and VBW of the spectrum is 100 kHz. (LTE bandwidth 1.4MHz).
- d. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 30kHz and VBW of the spectrum is 100kHz. (LTE bandwidth 3MHz)
- e. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 50kHz and VBW of the spectrum is 200kHz. (LTE bandwidth 5MHz)
- f. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 100kHz and VBW of the spectrum is 300kHz. (LTE bandwidth 10MHz)
- g. Set the spectrum with RMS detector.
- h. Record the max trace plot into the test report.

3.4.4 TEST RESULTS

Please refer Annex A

3.5 CONDUCTED SPURIOUS EMISSIONS

3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

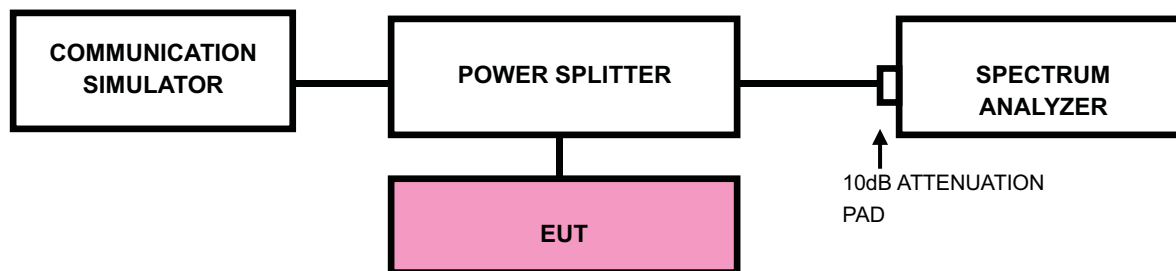
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13dBm .

3.5.2 TEST PROCEDURE

The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.

Measuring frequency range is from 9 kHz to 9GHz. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

3.5.3 TEST SETUP



3.5.4 TEST RESULTS

Please refer Annex A



3.6 RADIATED EMISSION MEASUREMENT

3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

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. The emission limit equal to -13dBm .

The spectrum is scanned from 30MHz up to a frequency including its 10th harmonic.

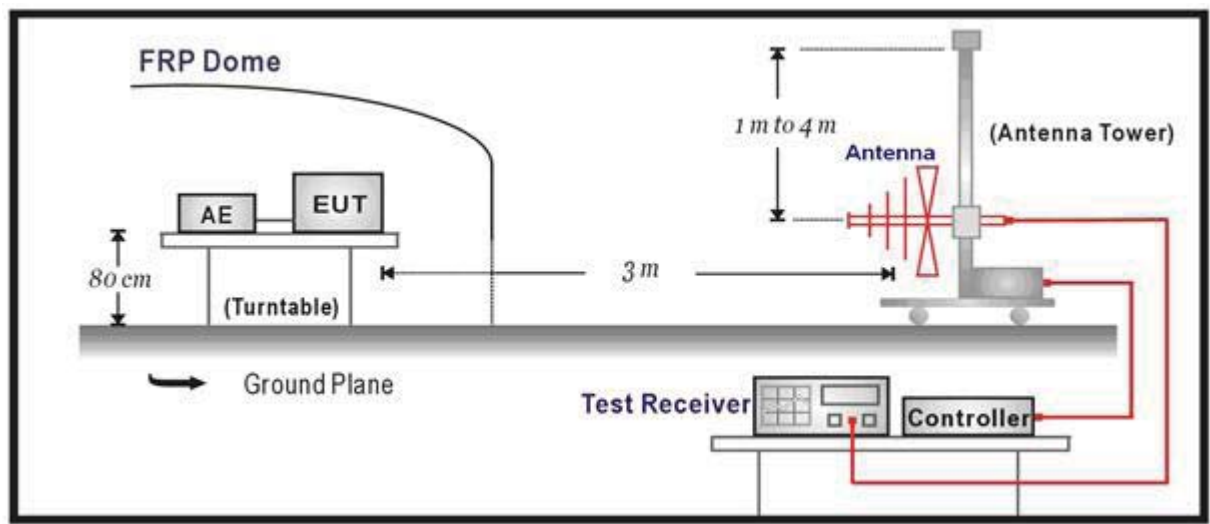
3.6.2 TEST PROCEDURES

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G
- c. $\text{EIRP} = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}.$
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole,
 $\text{E.R.P power} = \text{E.I.P.R power} - 2.15\text{dBi}.$

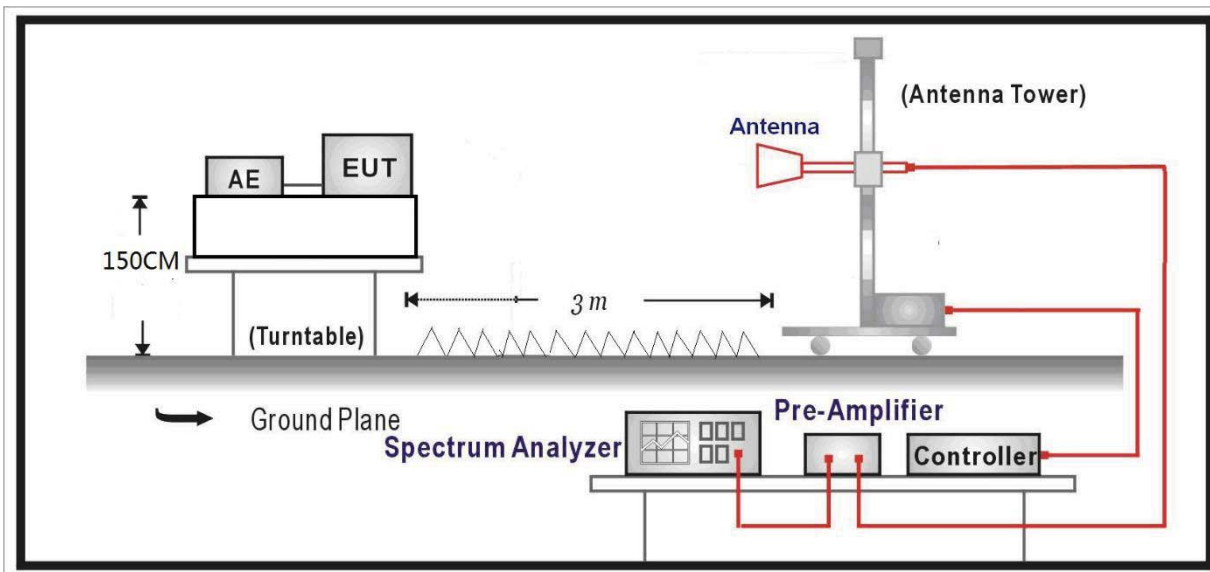
NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

3.6.3 TEST SETUP

Below 1GHz Test Setup:



Above 1GHz Test Setup:



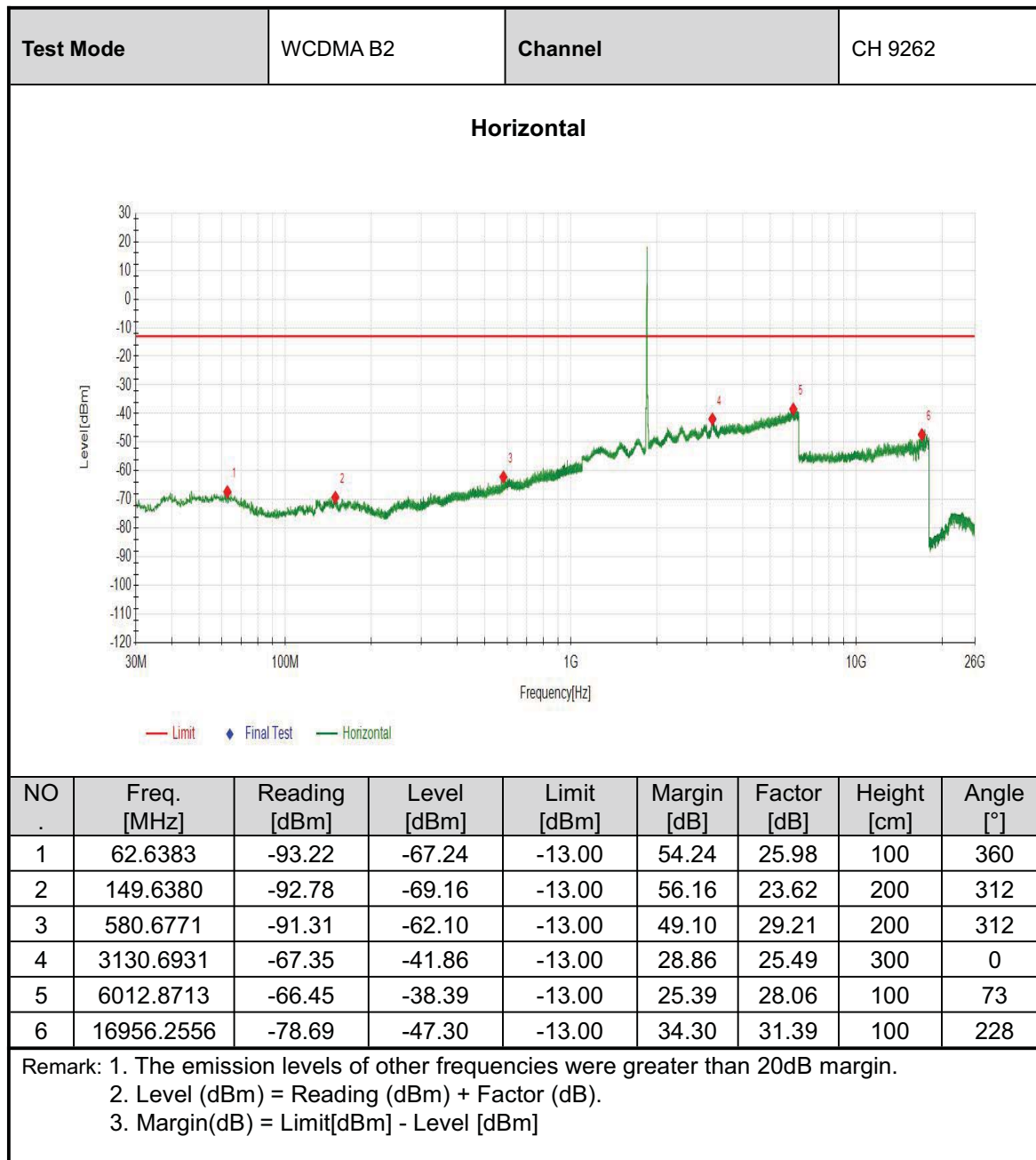
Note: Above 1G is a directional antenna

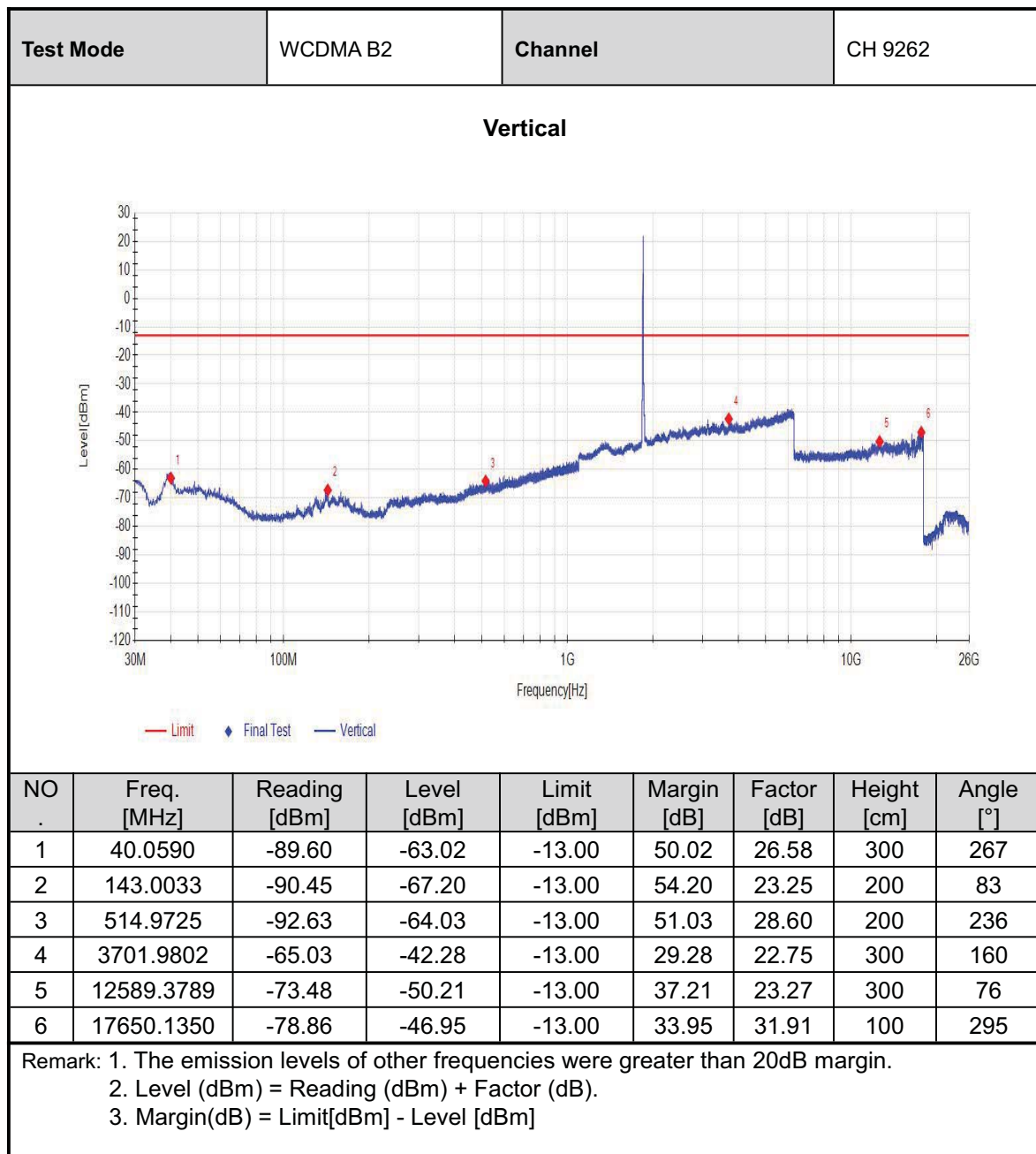
Depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

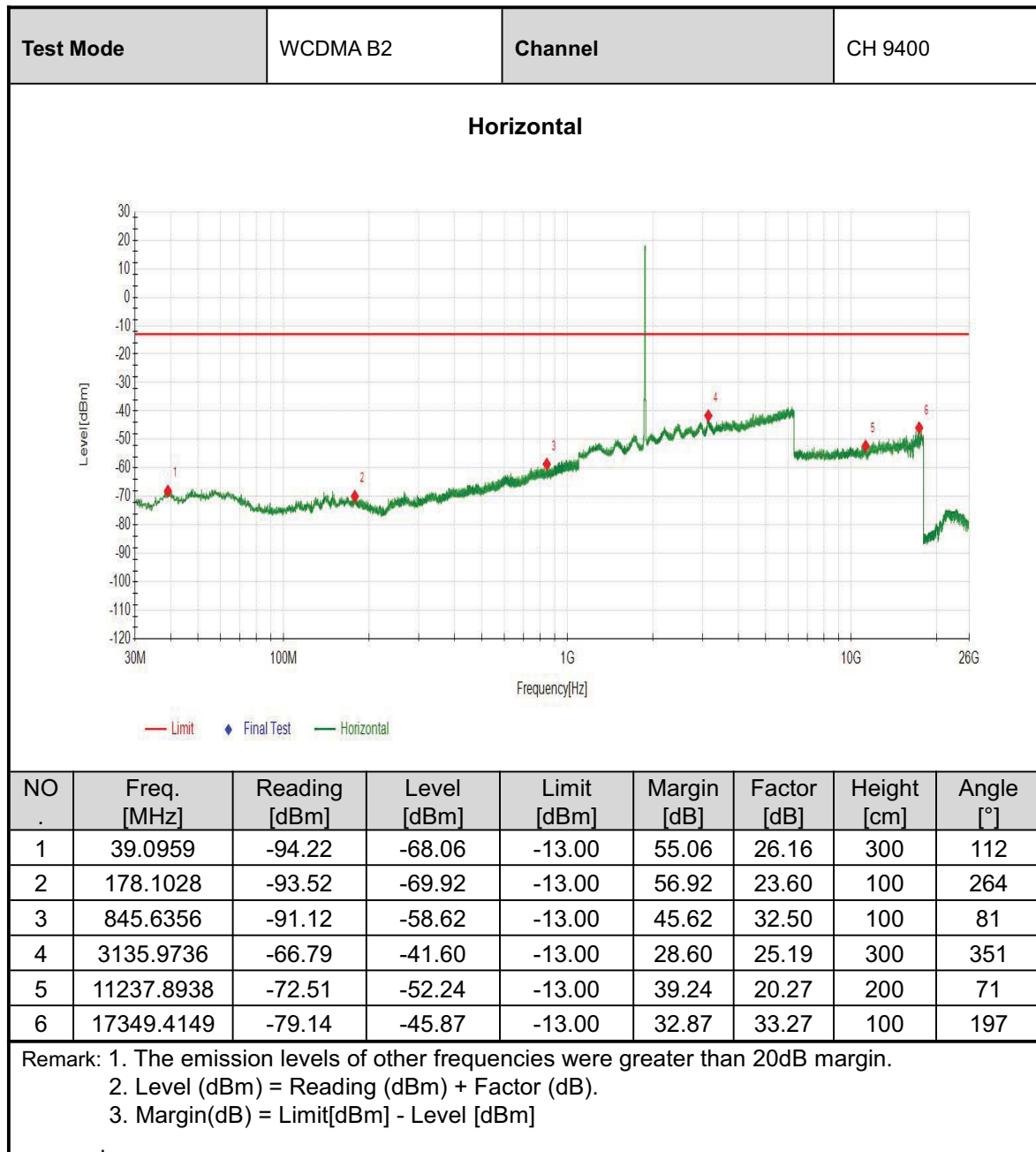
For the actual test configuration, please refer to the attached file (Test Setup Photo).

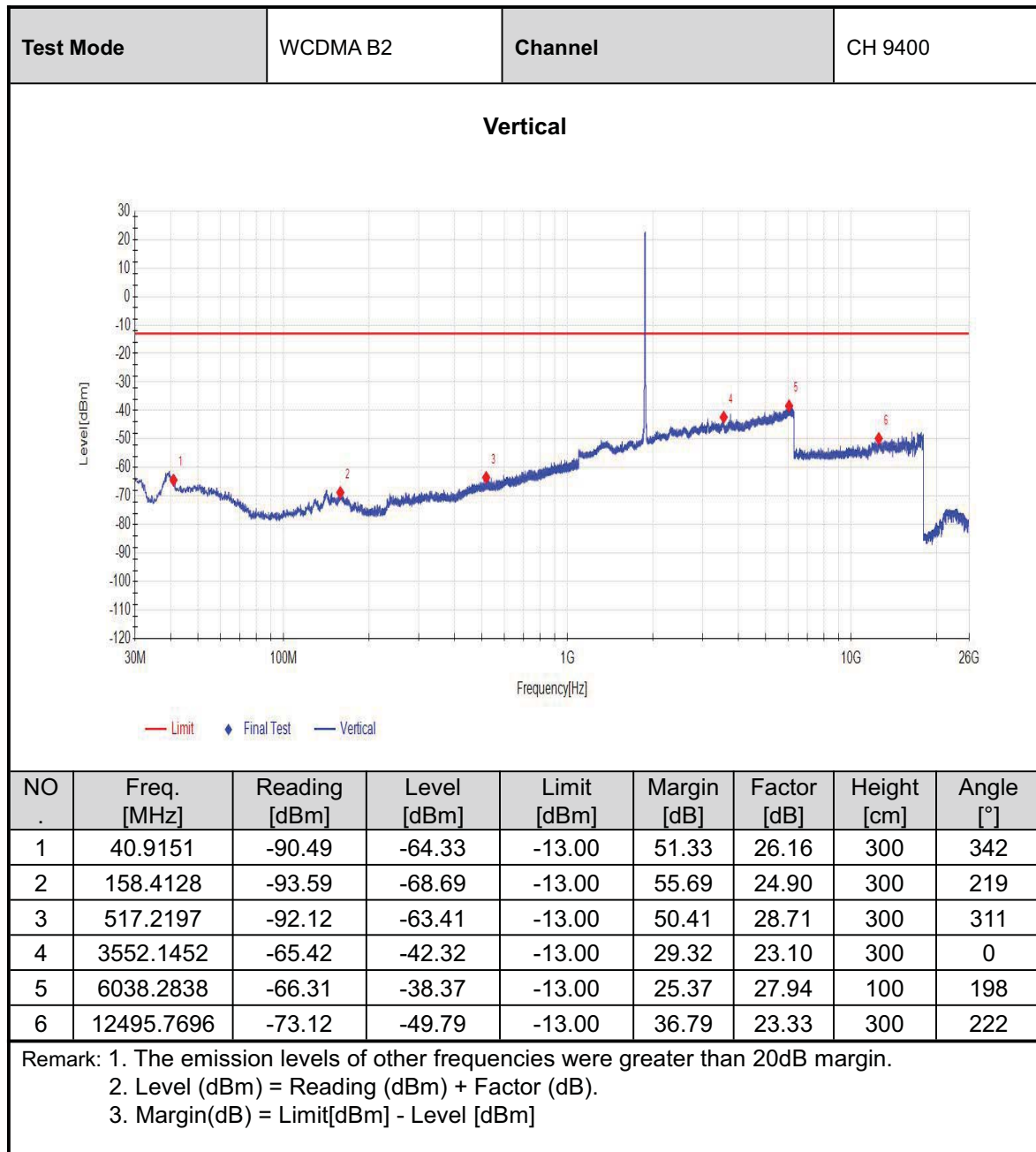
3.6.4 TEST RESULTS

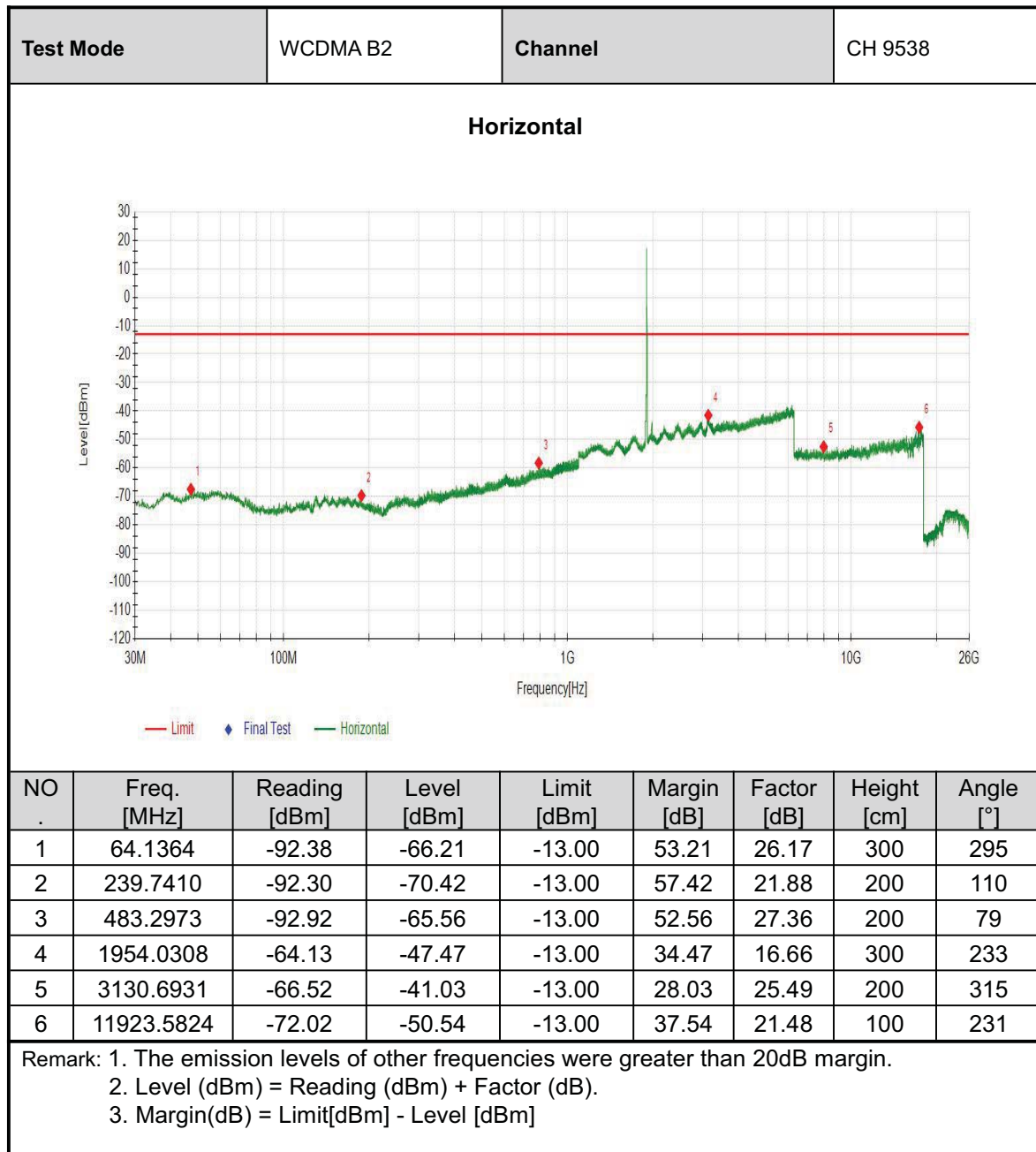
ABOVE 1GHz DATA

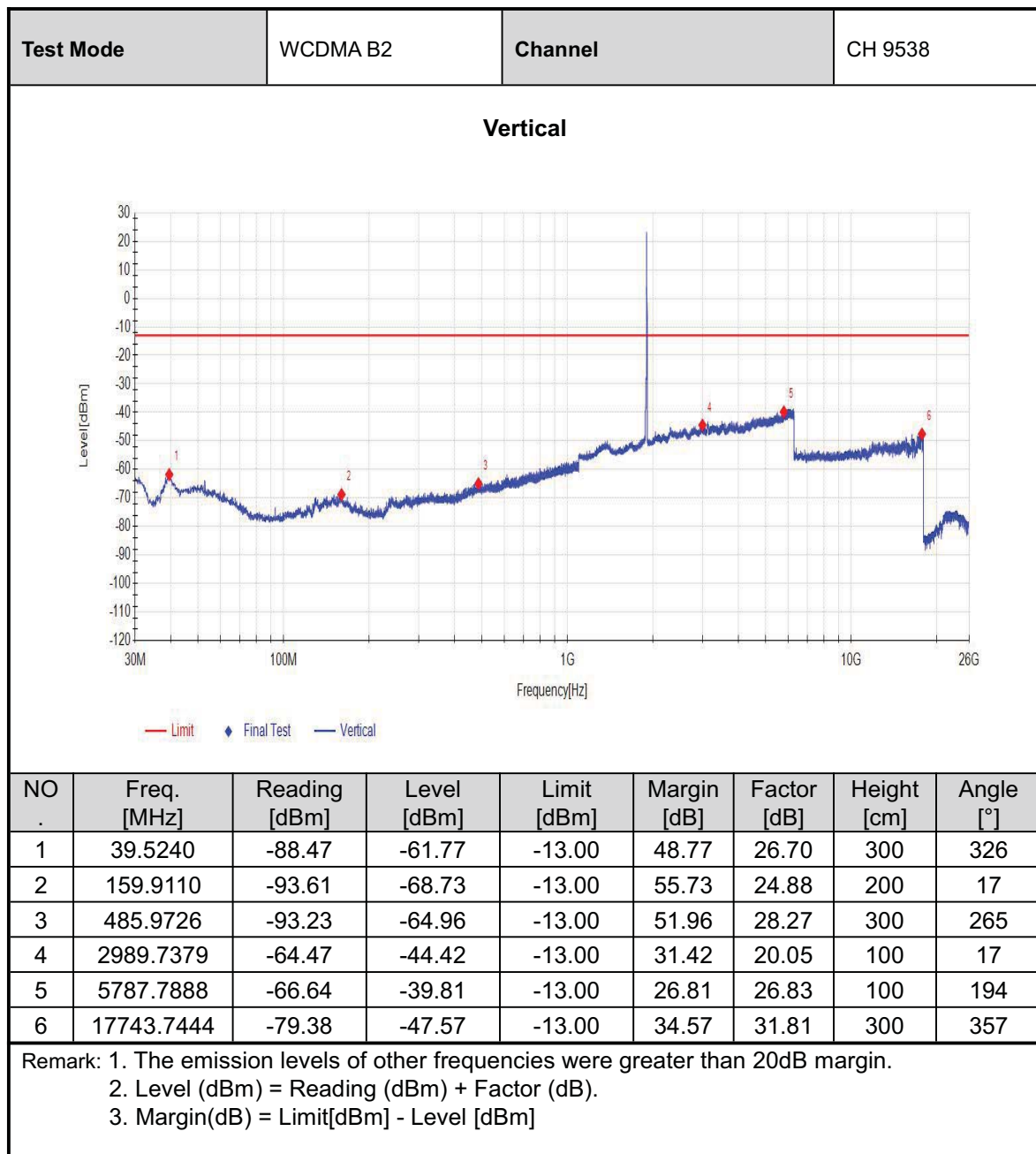










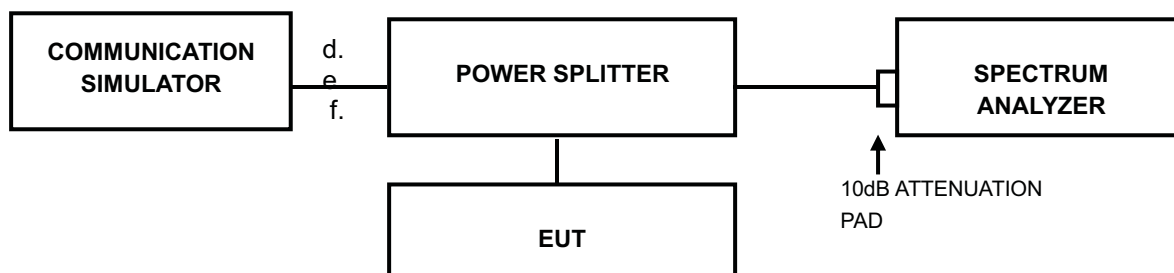


3.7 PEAK TO AVERAGE RATIO

3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

3.7.2 TEST SETUP



3.7.3 TEST PROCEDURES

1. Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.

3.7.4 TEST RESULTS

Please refer Annex A



4 PHOTOGRAPHS OF TEST SETUP

Please refer to the attached file (Test Setup Photo).

,



5 Appendix A

5.1 Output Power

5.1.1 Test Result(WCDMA)

Band	Channel	Conducted Power (dBm)	EIRP Power (mw)	Limit (W)	Verdict
Band2	9262	22.83	241.55	2	PASS
Band2	9400	22.90	245.47	2	PASS
Band2	9538	22.95	248.31	2	PASS

5.1.2 Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP Power (mw)	Limit (W)	Verdict
Band2	9262	1	21.79	190.11	2	PASS
Band2	9262	2	21.41	174.18	2	PASS
Band2	9262	3	21.31	170.22	2	PASS
Band2	9262	4	21.28	169.04	2	PASS
Band2	9400	1	22.06	202.30	2	PASS
Band2	9400	2	21.48	177.01	2	PASS
Band2	9400	3	21.38	172.98	2	PASS
Band2	9400	4	21.40	173.78	2	PASS
Band2	9538	1	21.98	198.61	2	PASS
Band2	9538	2	21.46	176.20	2	PASS
Band2	9538	3	21.24	167.49	2	PASS
Band2	9538	4	21.37	172.58	2	PASS

5.1.3 Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP Power (mw)	Limit (W)	Verdict
Band2	9262	1	20.96	157.04	2	PASS
Band2	9262	2	20.76	149.97	2	PASS
Band2	9262	3	19.94	124.17	2	PASS
Band2	9262	4	21.29	169.43	2	PASS
Band2	9262	5	21.82	191.43	2	PASS
Band2	9400	1	21.95	197.24	2	PASS
Band2	9400	2	21.08	161.44	2	PASS
Band2	9400	3	19.93	123.88	2	PASS
Band2	9400	4	21.06	160.69	2	PASS
Band2	9400	5	22.08	203.24	2	PASS



Band2	9538	1	21.21	166.34	2	PASS
Band2	9538	2	20.68	147.23	2	PASS
Band2	9538	3	20.37	137.09	2	PASS
Band2	9538	4	21.18	165.20	2	PASS
Band2	9538	5	21.99	199.07	2	PASS



5.2 Peak-to-Average Ratio

5.2.1 Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	8.5	13	PASS
Band2	9400	8.44	13	PASS
Band2	9538	8.48	13	PASS

5.2.2 Test Result(HSDPA)

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	3.4	13	PASS
Band2	9262	2	3.9	13	PASS
Band2	9262	3	4.06	13	PASS
Band2	9262	4	4.12	13	PASS
Band2	9400	1	3.38	13	PASS
Band2	9400	2	3.8	13	PASS
Band2	9400	3	3.96	13	PASS
Band2	9400	4	3.94	13	PASS
Band2	9538	1	3.44	13	PASS
Band2	9538	2	3.7	13	PASS
Band2	9538	3	3.84	13	PASS
Band2	9538	4	3.94	13	PASS

5.2.3 Test Result(HSUPA)

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	4.82	13	PASS
Band2	9262	2	5.42	13	PASS
Band2	9262	3	5.58	13	PASS
Band2	9262	4	5.22	13	PASS
Band2	9262	5	4.54	13	PASS
Band2	9400	1	4.74	13	PASS
Band2	9400	2	3.44	13	PASS
Band2	9400	3	3.94	13	PASS
Band2	9400	4	3.44	13	PASS
Band2	9400	5	4.04	13	PASS
Band2	9538	1	4.24	13	PASS
Band2	9538	2	5.34	13	PASS
Band2	9538	3	4.88	13	PASS

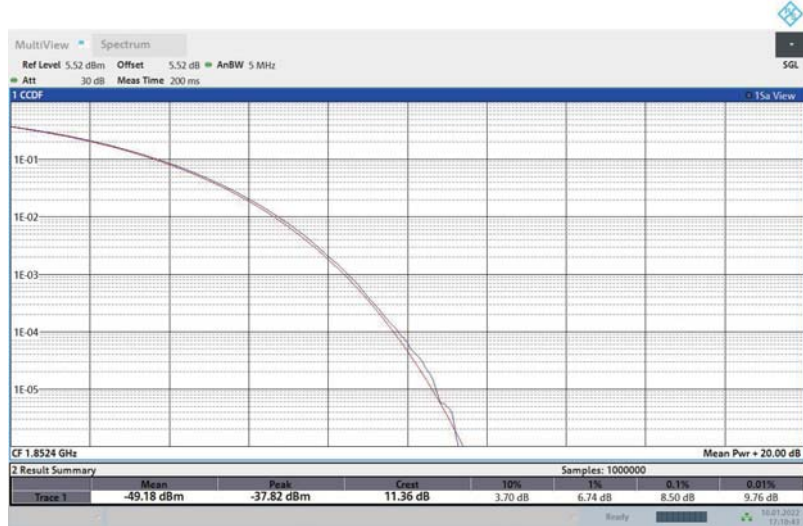


Band2	9538	4	5.26	13	PASS
Band2	9538	5	4.22	13	PASS

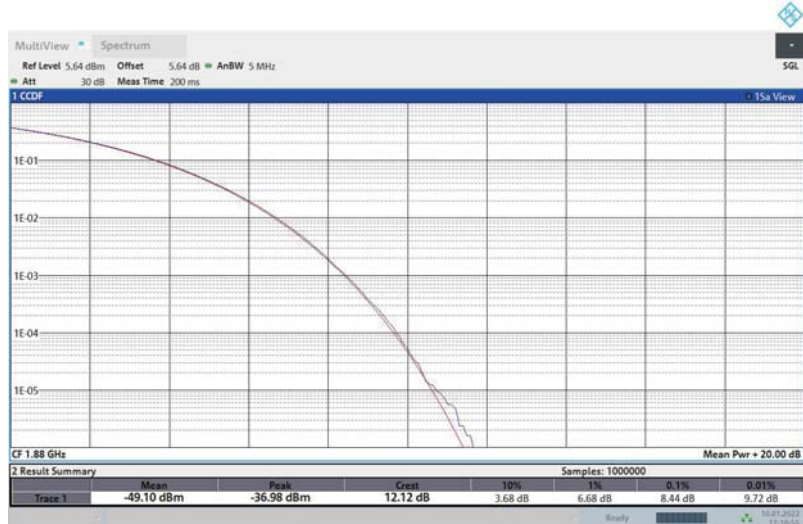


5.2.4 Test Graphs(WCDMA)

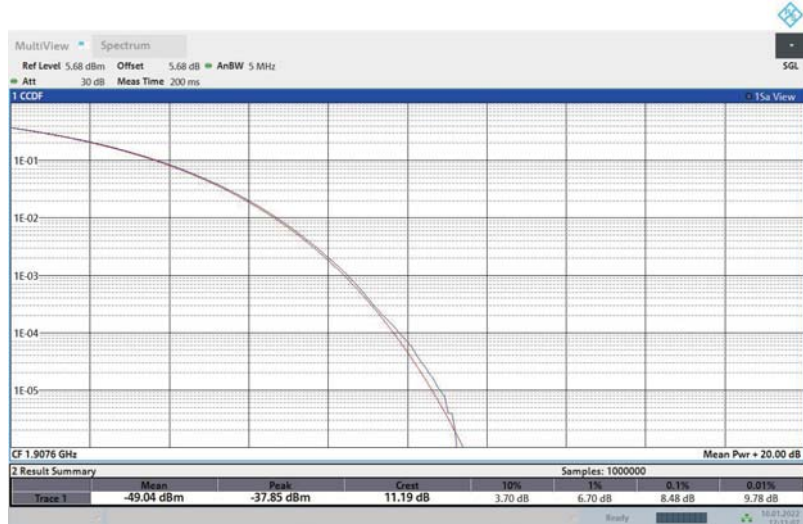
Band2-9262



Band2-9400



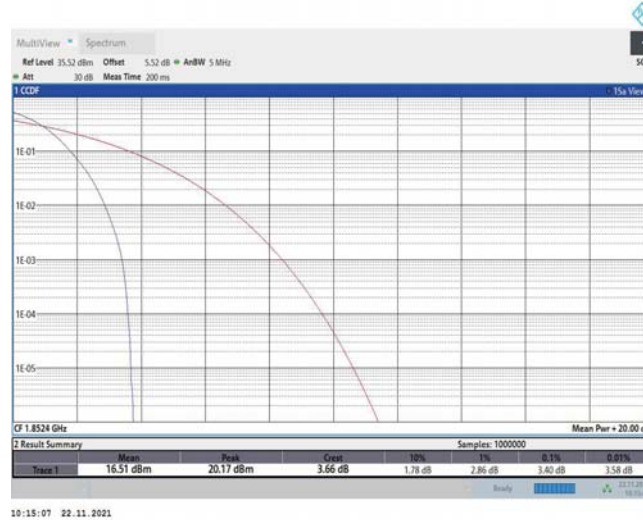
Band2-9538



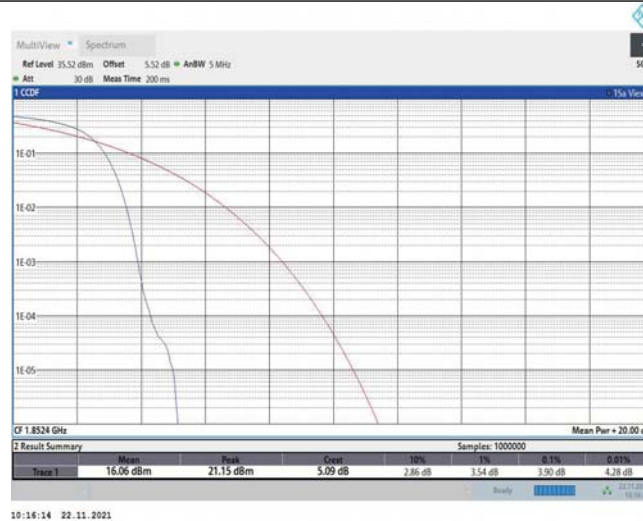


5.2.5 Test Graphs(HSDPA)

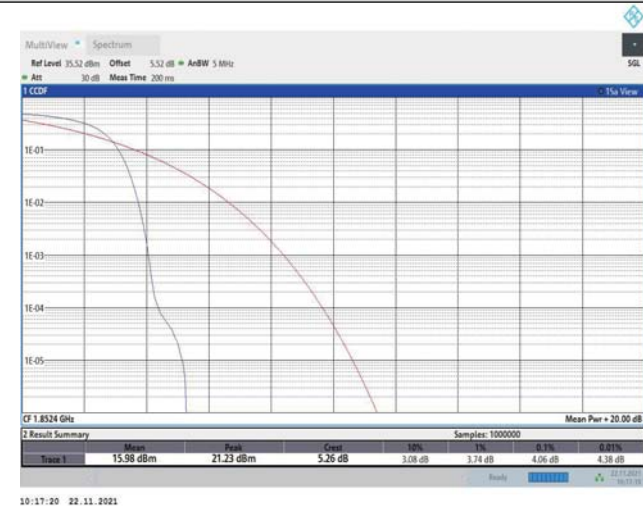
Band2-9262-1



Band2-9262-2

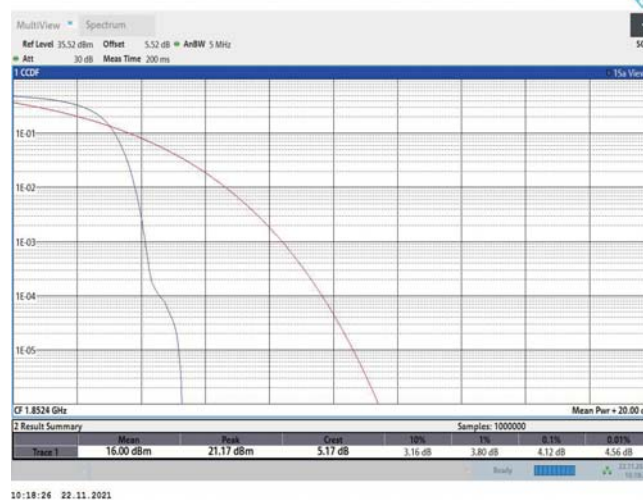


Band2-9262-3

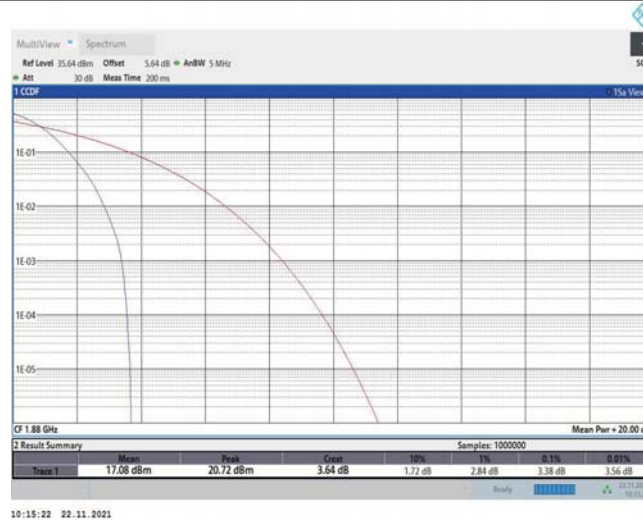




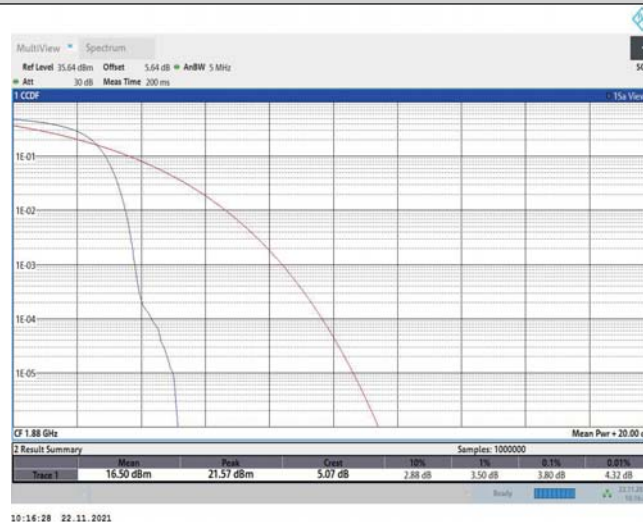
Band2-9262-4



Band2-9400-1

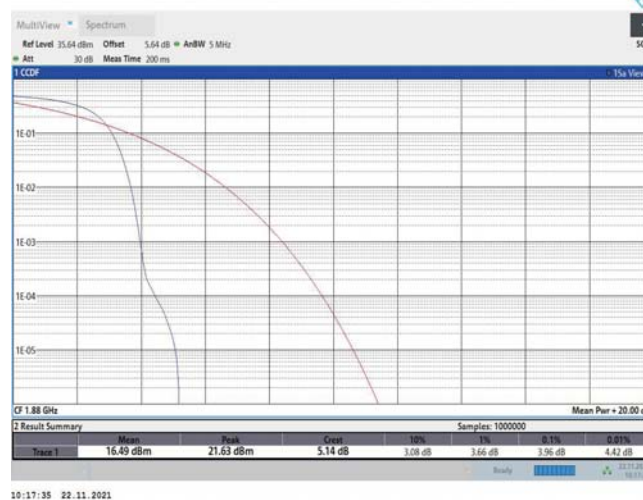


Band2-9400-2

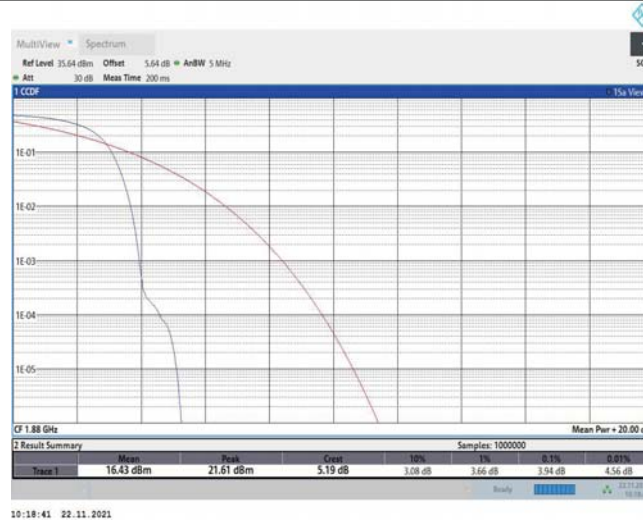




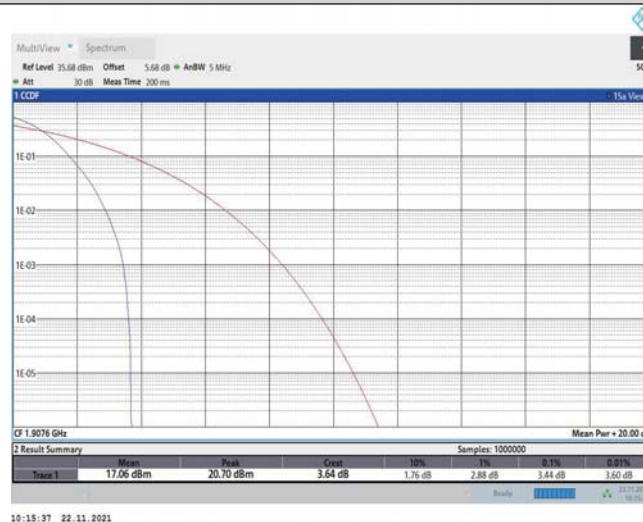
Band2-9400-3



Band2-9400-4

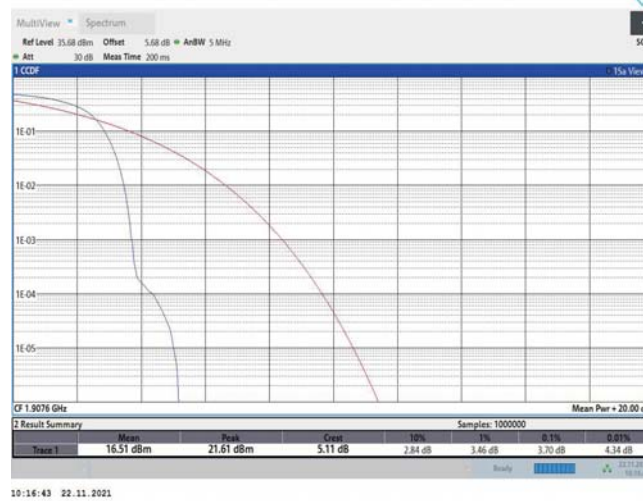


Band2-9538-1

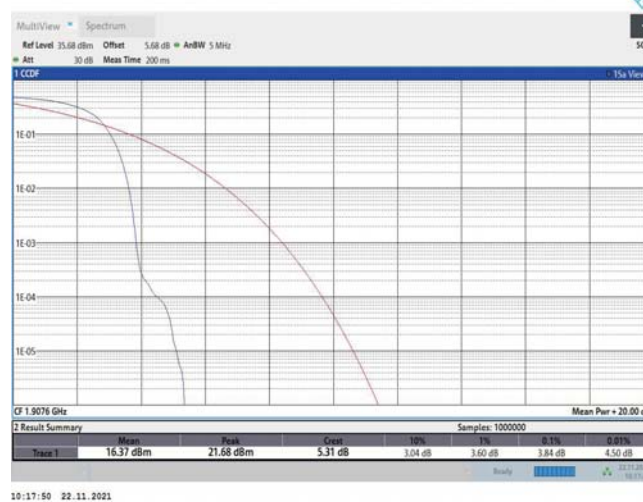




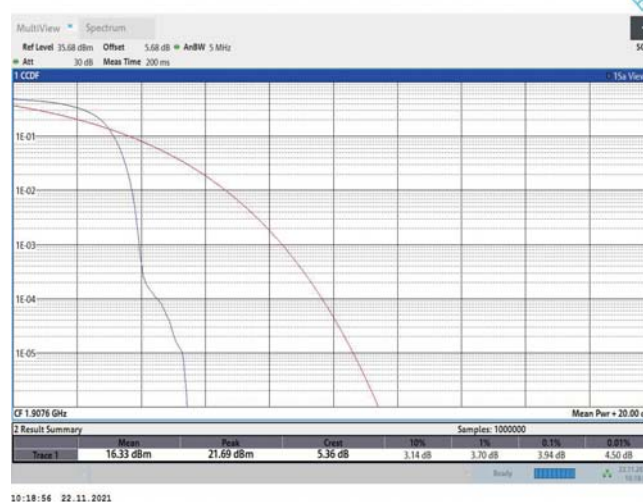
Band2-9538-2



Band2-9538-3



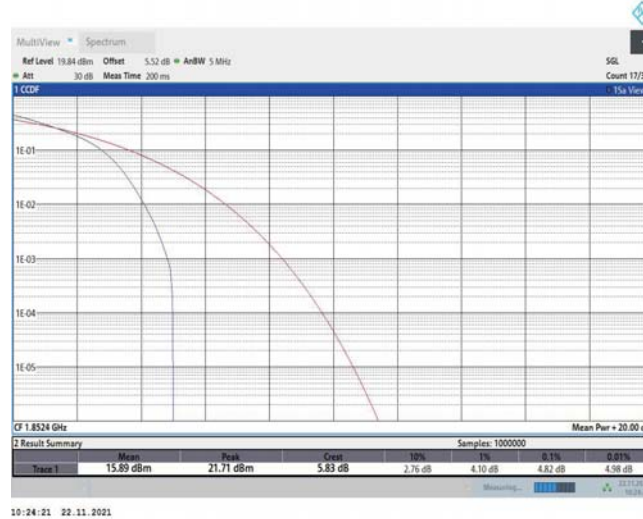
Band2-9538-4



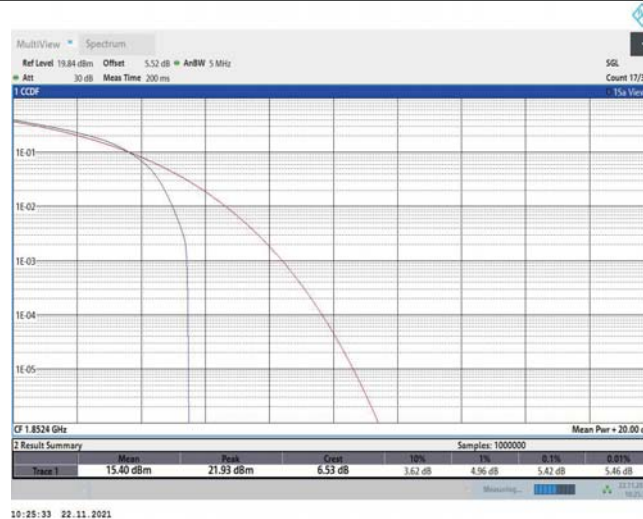


5.2.6 Test Graphs(HSUPA)

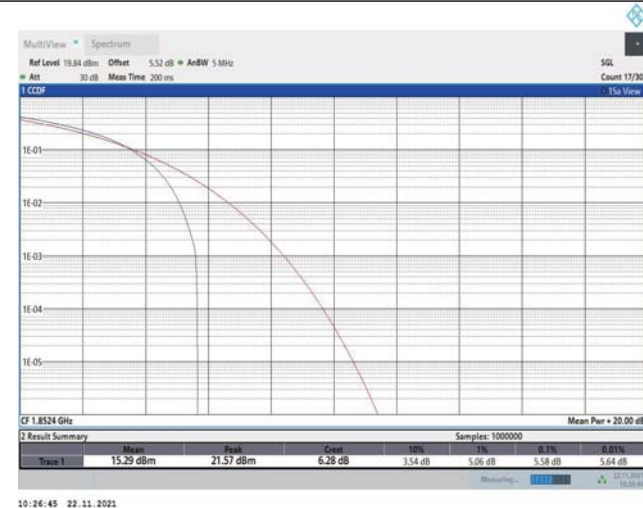
Band2-9262-1



Band2-9262-2

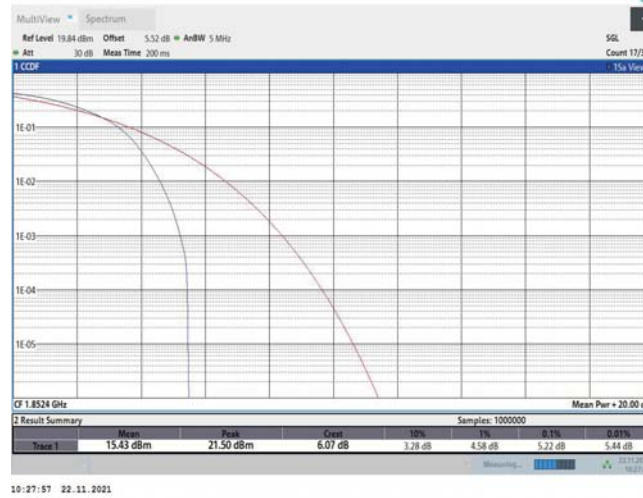


Band2-9262-3

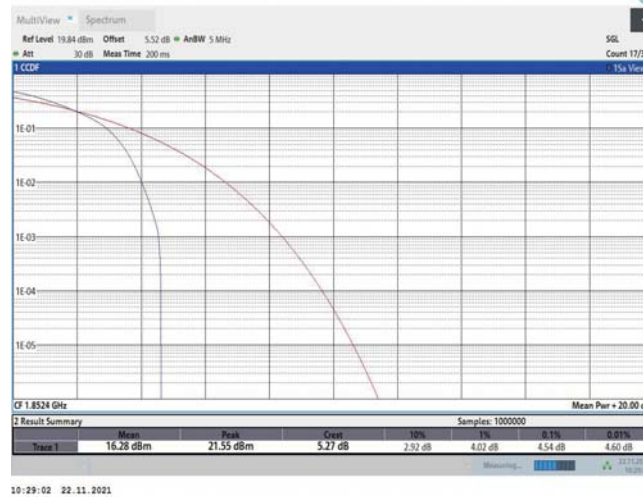




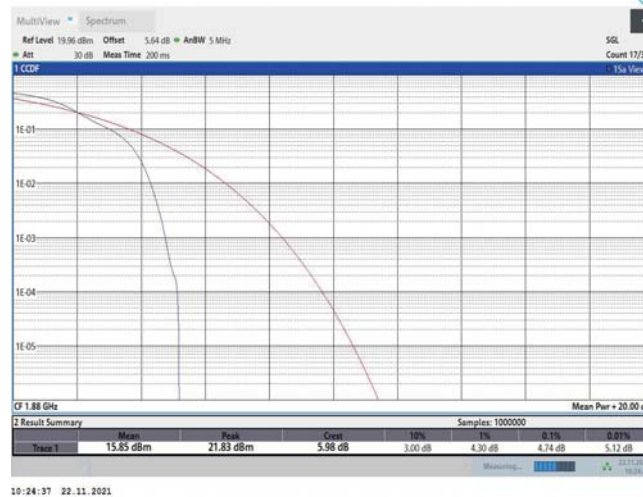
Band2-9262-4



Band2-9262-5

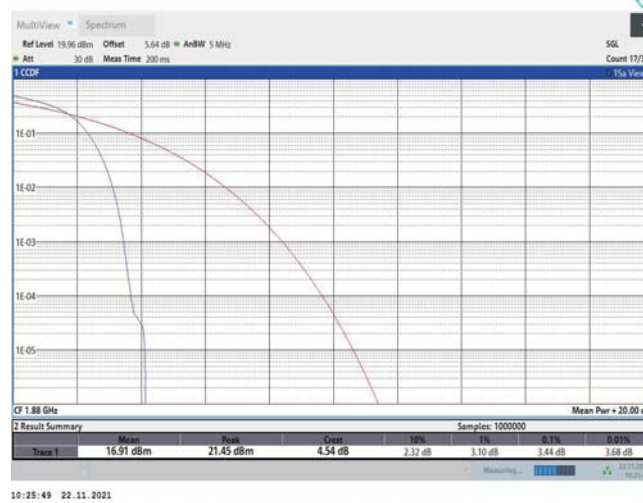


Band2-9400-1

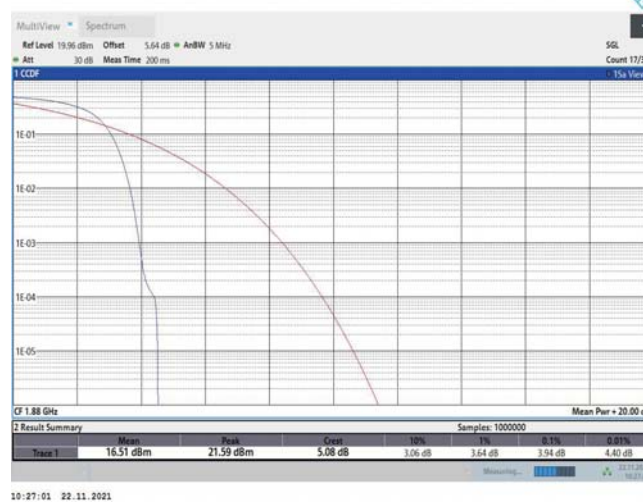




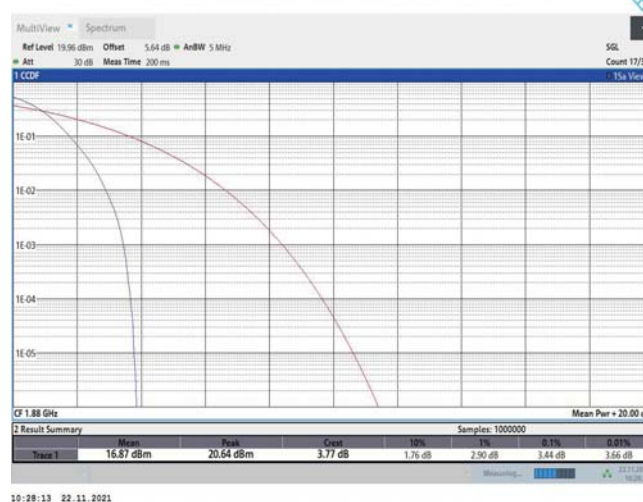
Band2-9400-2



Band2-9400-3

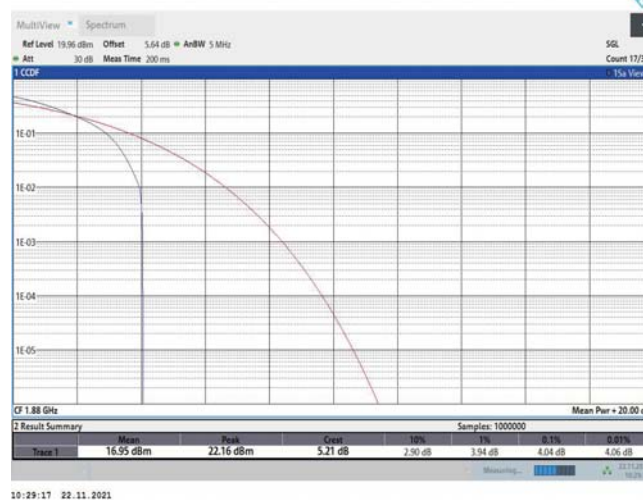


Band2-9400-4

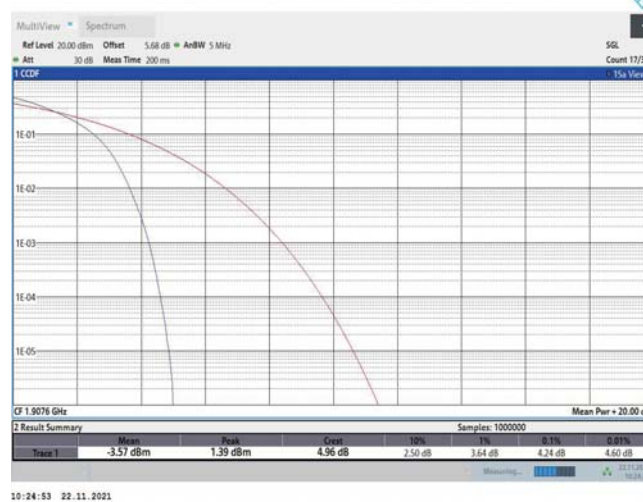




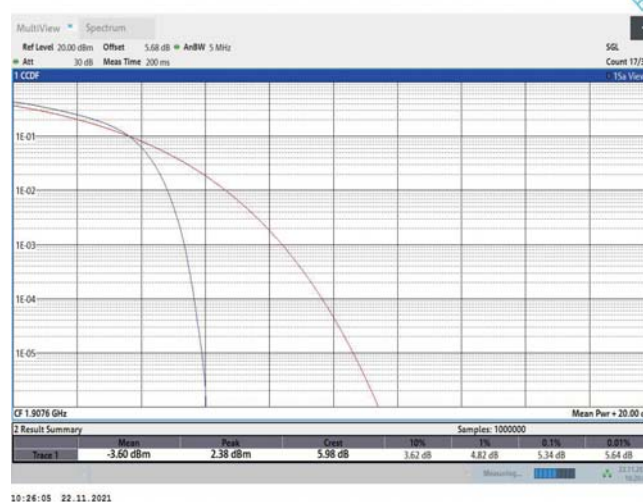
Band2-9400-5



Band2-9538-1

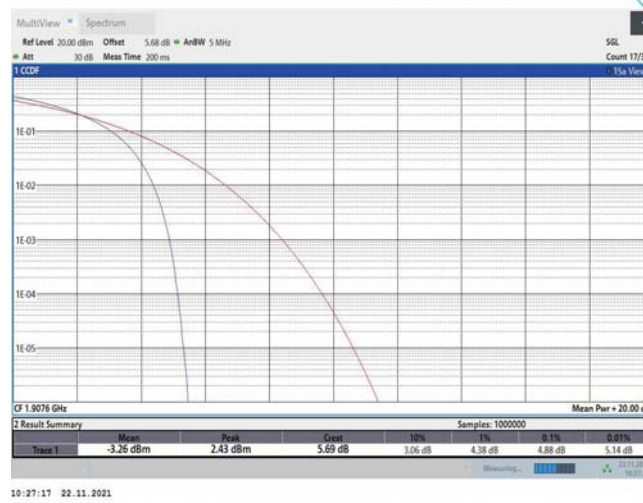


Band2-9538-2

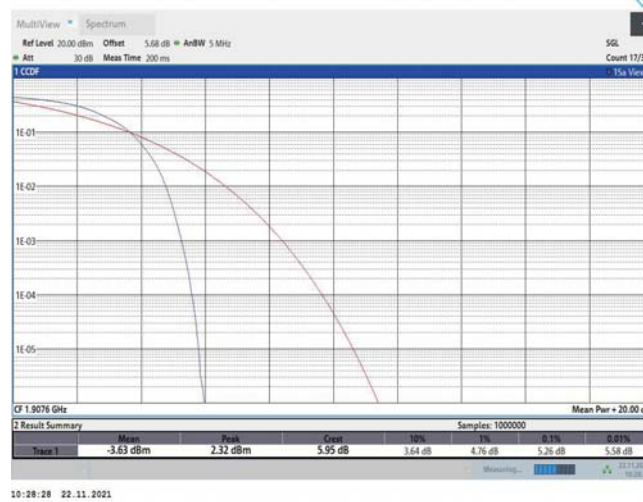




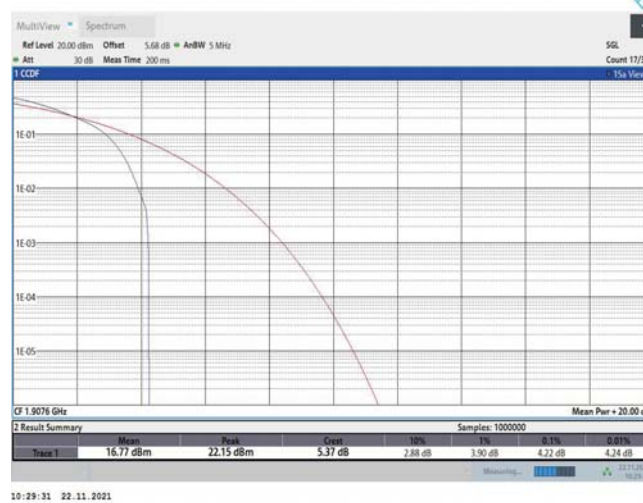
Band2-9538-3



Band2-9538-4



Band2-9538-5





5.3 Occupied Bandwidth

5.3.1 Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9262	4.109	4.690	---	PASS
Band2	9400	4.127	4.730	---	PASS
Band2	9538	4.136	4.740	---	PASS

5.3.2 Test Result(HSDPA)

Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9262	1	4.129	4.700	---	PASS
Band2	9262	2	4.141	4.730	---	PASS
Band2	9262	3	4.151	4.740	---	PASS
Band2	9262	4	4.154	4.740	---	PASS
Band2	9400	1	4.124	4.710	---	PASS
Band2	9400	2	4.135	4.740	---	PASS
Band2	9400	3	4.133	4.740	---	PASS
Band2	9400	4	4.132	4.750	---	PASS
Band2	9538	1	4.136	4.690	---	PASS
Band2	9538	2	4.135	4.740	---	PASS
Band2	9538	3	4.143	4.760	---	PASS
Band2	9538	4	4.149	4.740	---	PASS

5.3.3 Test Result(HSUPA)

Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9262	1	4.147	4.740	---	PASS
Band2	9262	2	4.147	4.760	---	PASS
Band2	9262	3	4.149	4.750	---	PASS
Band2	9262	4	4.15	4.730	---	PASS
Band2	9262	5	4.146	4.730	---	PASS
Band2	9400	1	4.13	4.730	---	PASS
Band2	9400	2	4.131	4.730	---	PASS
Band2	9400	3	4.136	4.750	---	PASS
Band2	9400	4	4.12	4.700	---	PASS
Band2	9400	5	4.135	4.730	---	PASS
Band2	9538	1	4.165	4.770	---	PASS
Band2	9538	2	4.163	4.770	---	PASS
Band2	9538	3	4.164	4.750	---	PASS
Band2	9538	4	4.157	4.740	---	PASS
Band2	9538	5	4.138	4.720	---	PASS



5.3.4 Test Graphs(WCDMA)

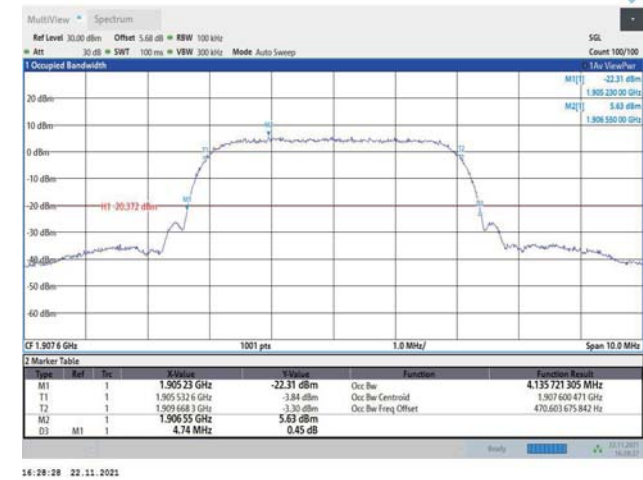
Band2-9262-4.690



Band2-9400-4.730



Band2-9538-4.740





5.3.5 Test Graphs(HSDPA)

Band2-9262-1-4.700



Band2-9262-2-4.730



Band2-9262-3-4.740

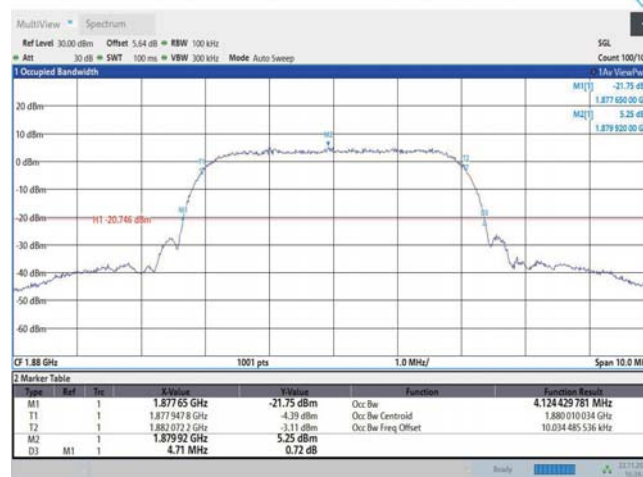




Band2-9262-4-4.740



Band2-9400-1-4.710



Band2-9400-2-4.740





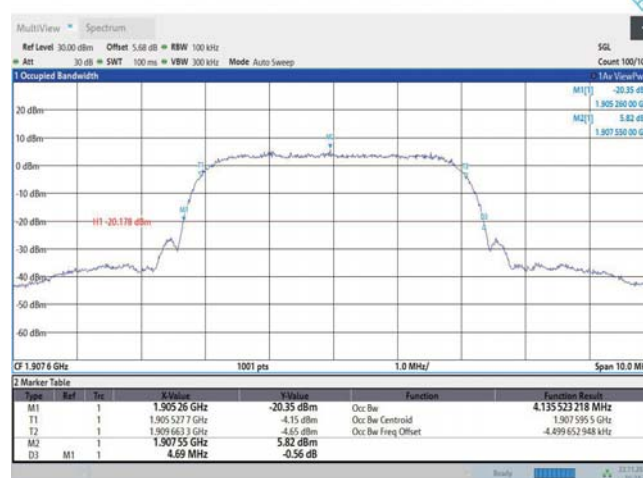
Band2-9400-3-4.740



Band2-9400-4-4.750



Band2-9538-1-4.690





Band2-9538-2-4.740



Band2-9538-3-4.760



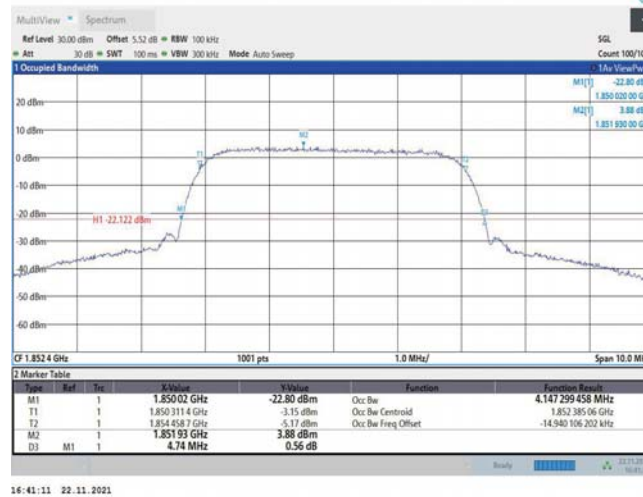
Band2-9538-4-4.740





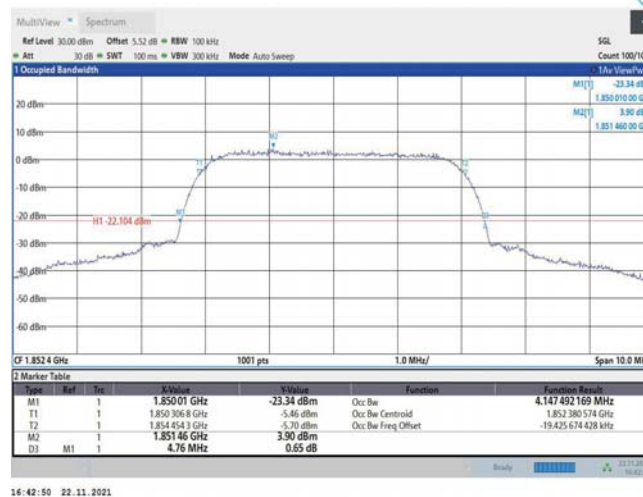
5.3.6 Test Graphs(HSUPA)

Band2-9262-1-4.740



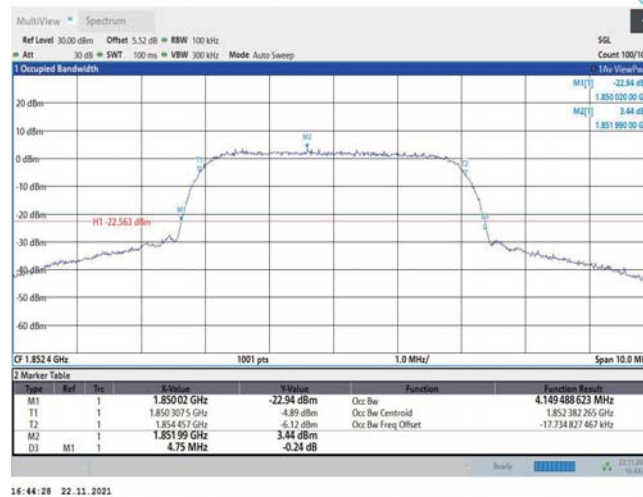
16:41:11 22.11.2021

Band2-9262-2-4.760



16:42:50 22.11.2021

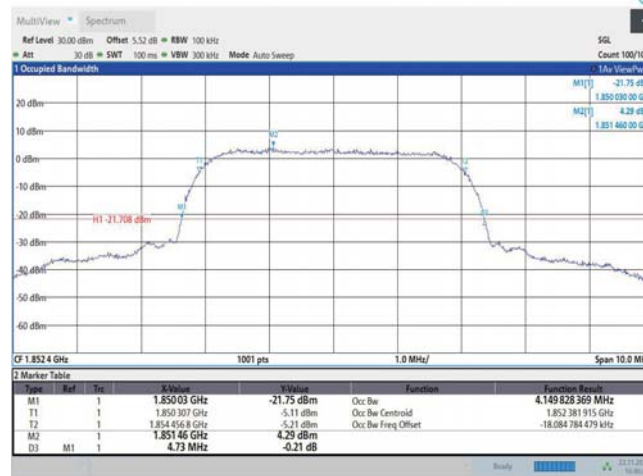
Band2-9262-3-4.750



16:44:28 22.11.2021



Band2-9262-4-4.730



16:46:05 22.11.2021

Band2-9262-5-4.730



16:47:39 22.11.2021

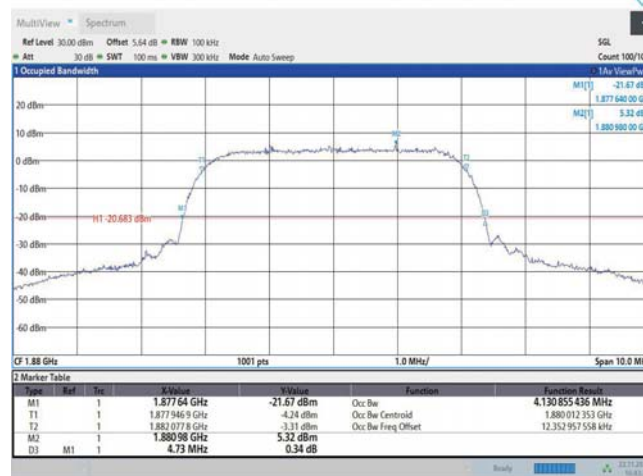
Band2-9400-1-4.730



16:41:36 22.11.2021



Band2-9400-2-4.730



Band2-9400-3-4.750

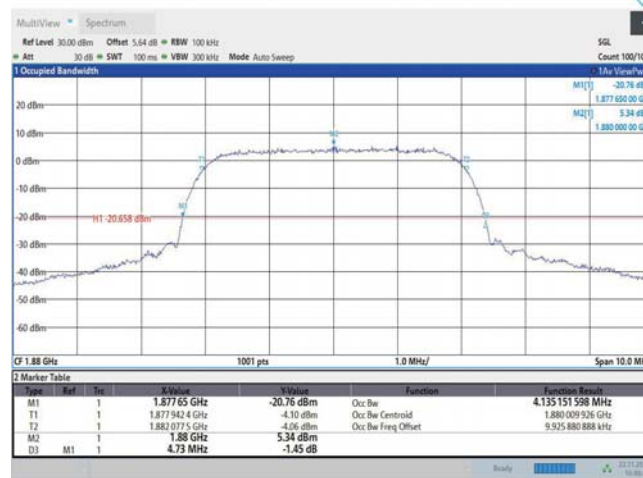


Band2-9400-4-4.700

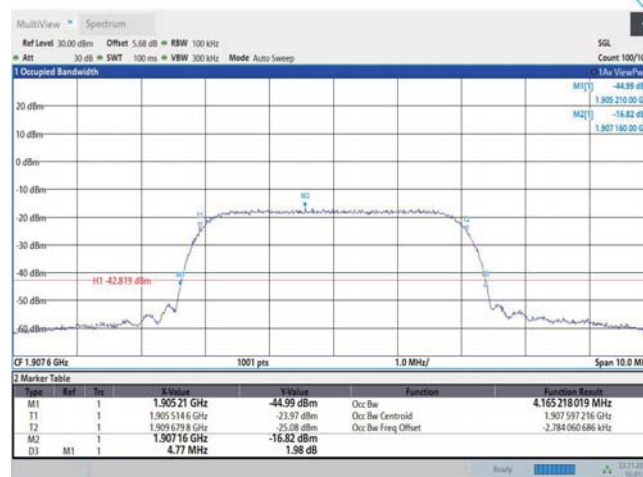




Band2-9400-5-4.730



Band2-9538-1-4.770

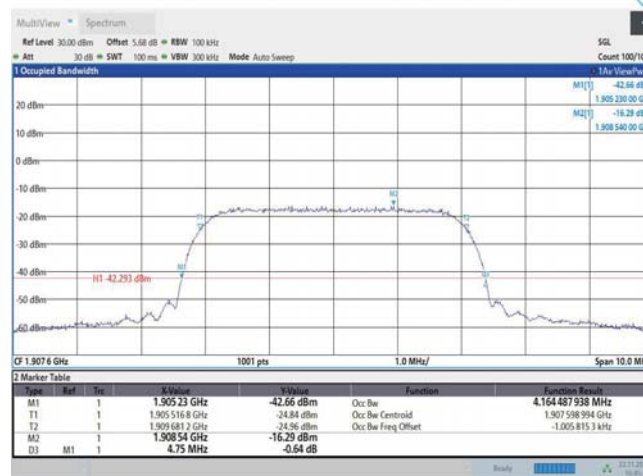


Band2-9538-2-4.770





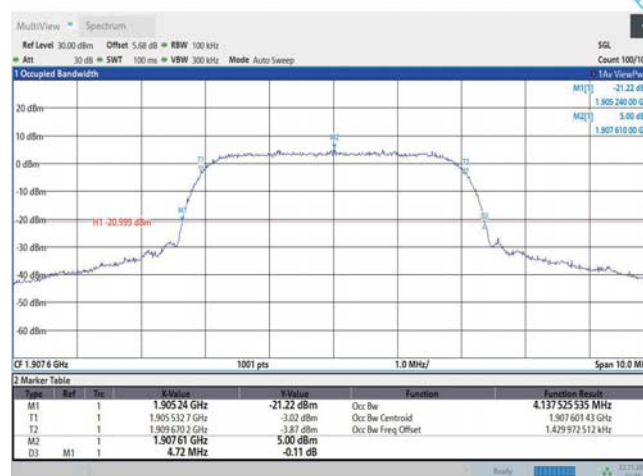
Band2-9538-3-4.750



Band2-9538-4-4.740



Band2-9538-5-4.720





5.4 Band Edge

5.4.1 Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1849.86	-20.04	-13	PASS
Band2	9538	1910.00	-26.66	-13	PASS

5.4.2 Test Result(HSDPA)

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1	1849.90	-22.27	-13	PASS
Band2	9262	2	1850.00	-25.74	-13	PASS
Band2	9262	3	1850.00	-24.60	-13	PASS
Band2	9262	4	1850.00	-24.91	-13	PASS
Band2	9538	1	1910.15	-27.39	-13	PASS
Band2	9538	2	1910.00	-25.66	-13	PASS
Band2	9538	3	1910.01	-25.45	-13	PASS
Band2	9538	4	1910.00	-24.44	-13	PASS

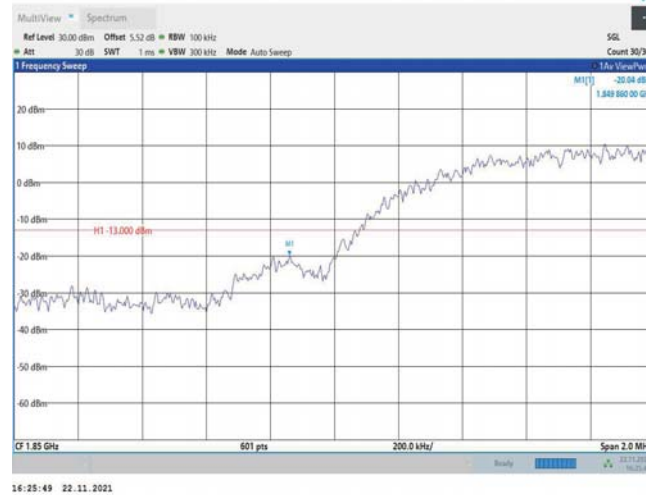
5.4.3 Test Result(HSUPA)

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1	1850.00	-17.68	-13	PASS
Band2	9262	2	1850.00	-25.33	-13	PASS
Band2	9262	3	1850.00	-26.62	-13	PASS
Band2	9262	4	1850.00	-25.07	-13	PASS
Band2	9262	5	1850.00	-26.00	-13	PASS
Band2	9538	1	1910.00	-25.87	-13	PASS
Band2	9538	2	1910.00	-26.82	-13	PASS
Band2	9538	3	1910.00	-24.55	-13	PASS
Band2	9538	4	1910.00	-27.23	-13	PASS
Band2	9538	5	1910.00	-25.84	-13	PASS

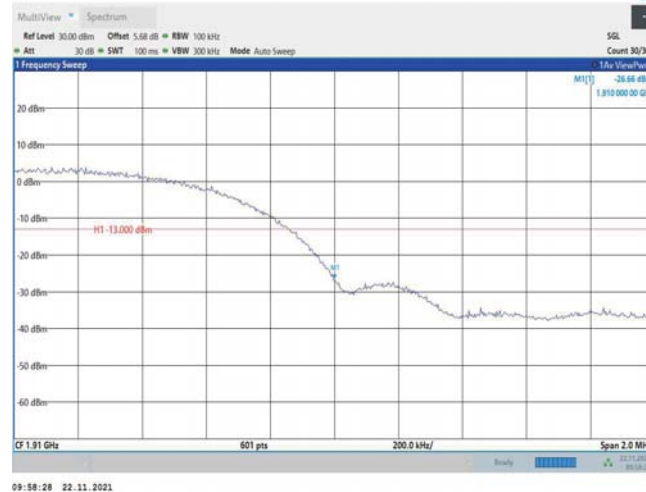


5.4.4 Test Graphs(WCDMA)

Band2-9262



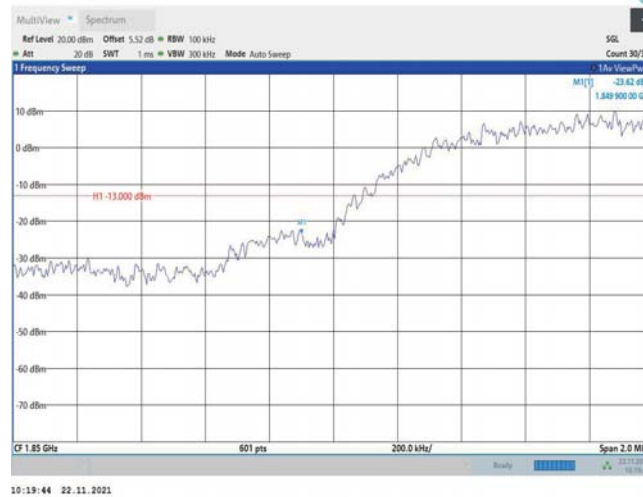
Band2-9538



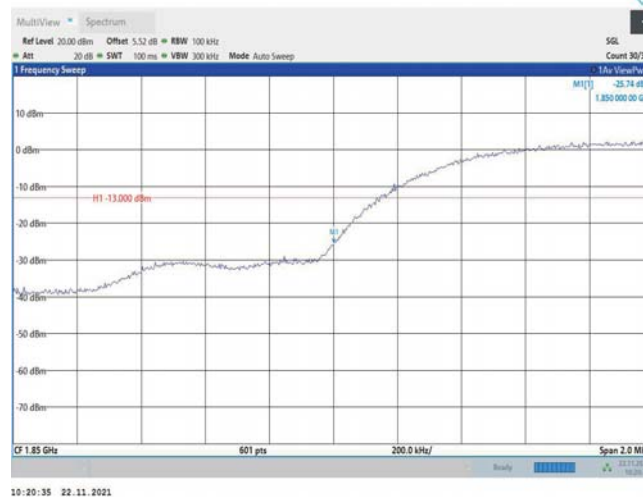


5.4.5 Test Graphs(HSDPA)

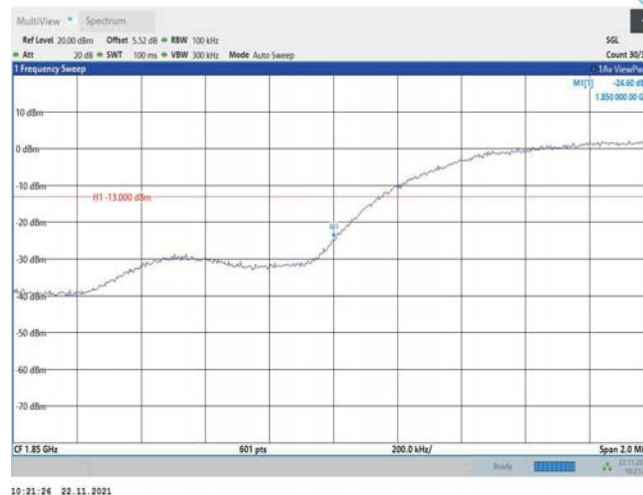
Band2-9262-1



Band2-9262-2

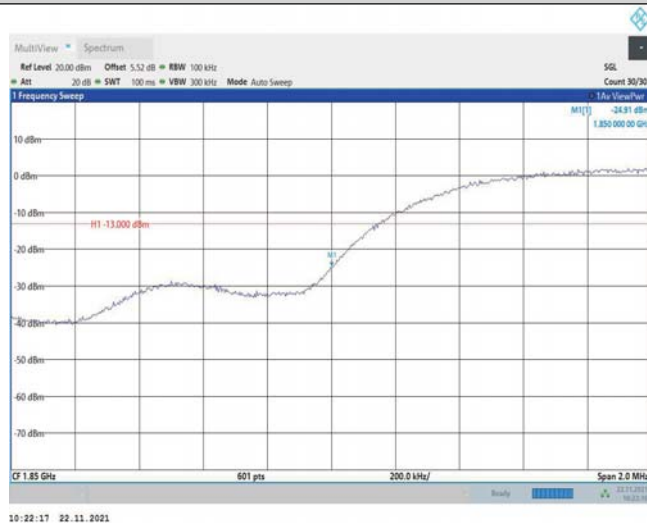


Band2-9262-3

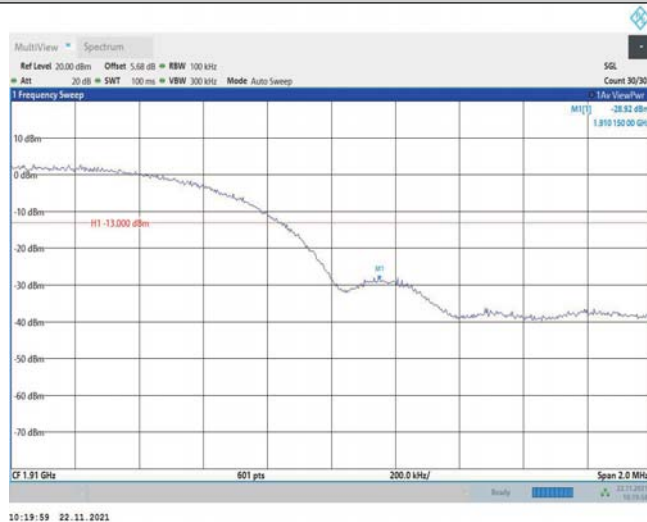




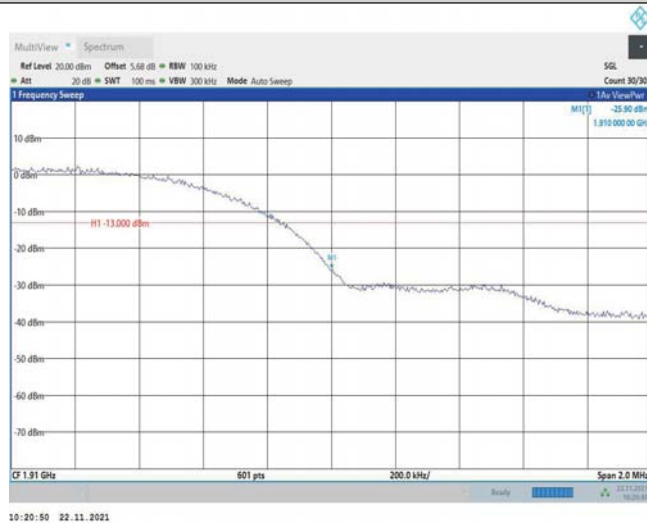
Band2-9262-4



Band2-9538-1

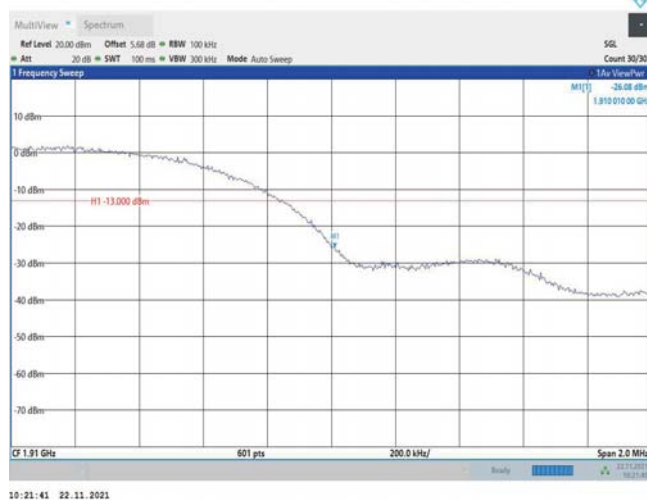


Band2-9538-2

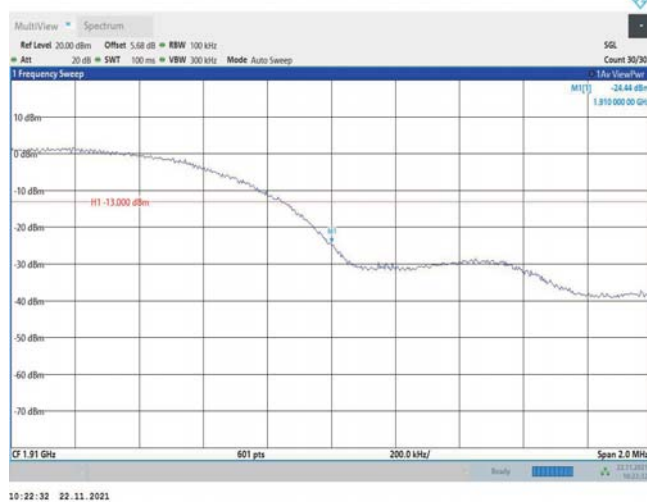




Band2-9538-3



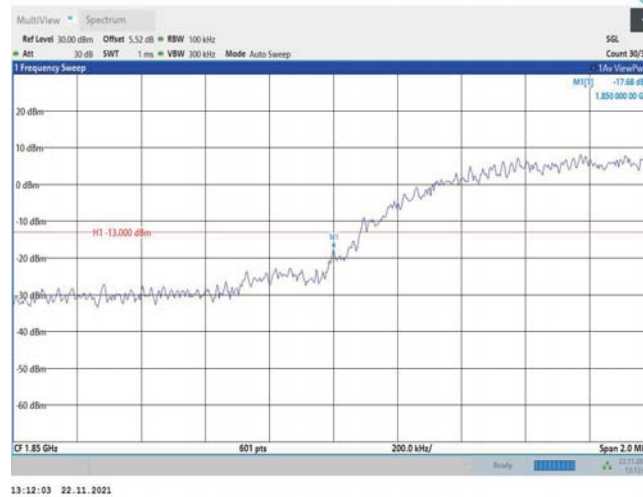
Band2-9538-4



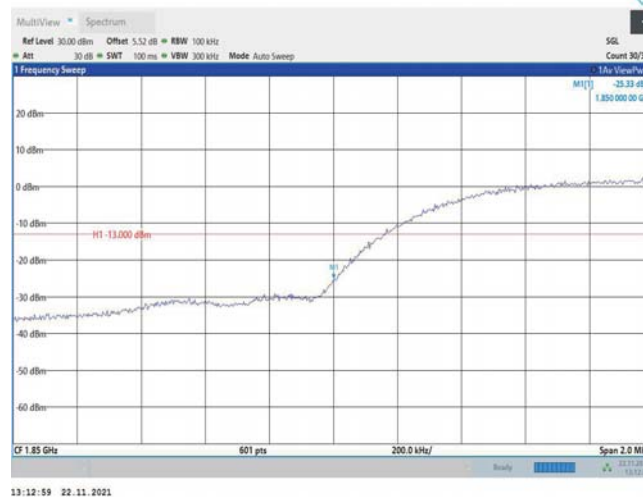


5.4.6 Test Graphs(HSUPA)

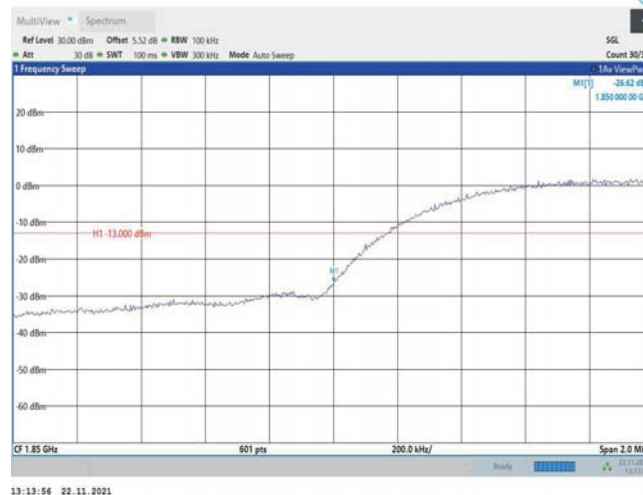
Band2-9262-1



Band2-9262-2

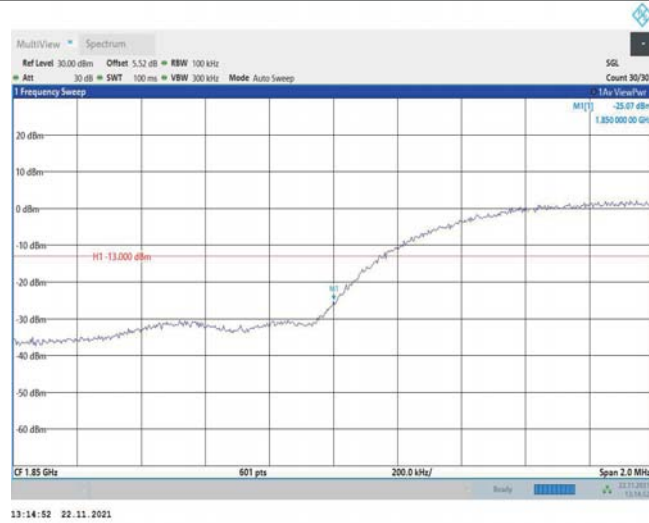


Band2-9262-3

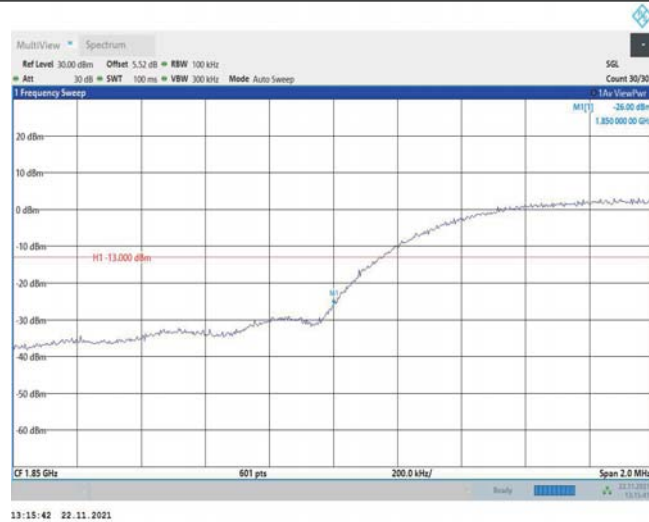




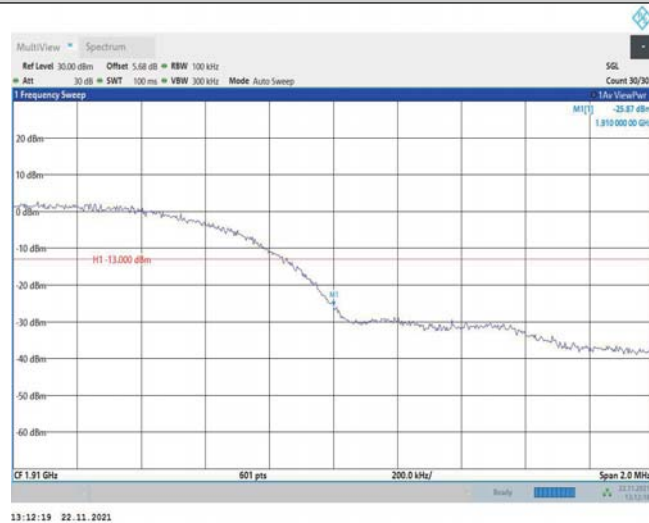
Band2-9262-4



Band2-9262-5

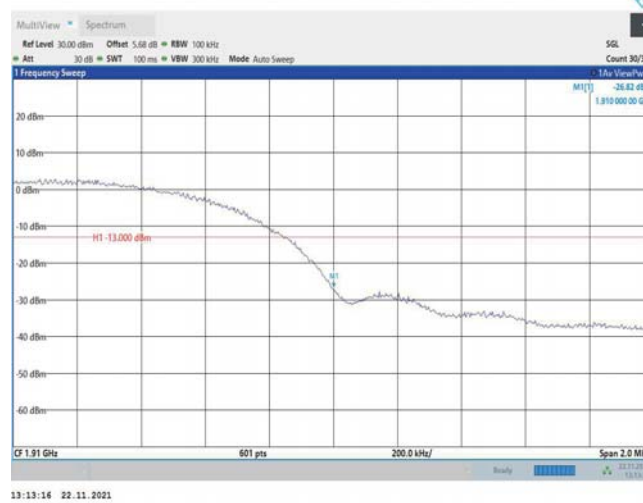


Band2-9538-1

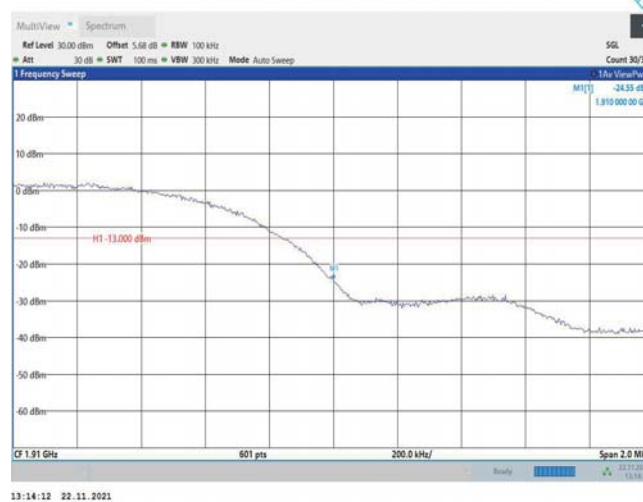




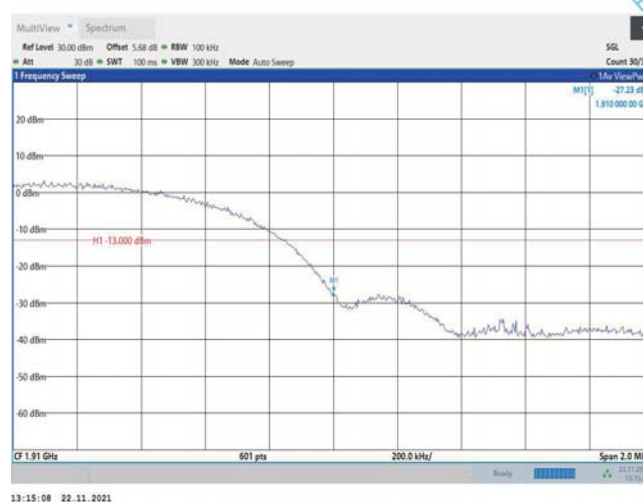
Band2-9538-2



Band2-9538-3

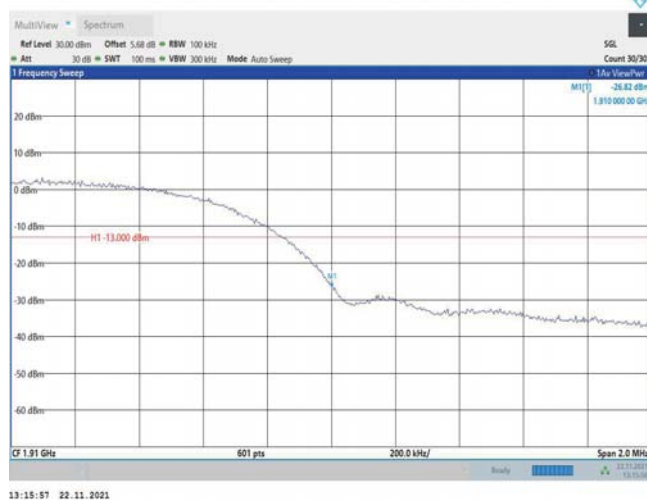


Band2-9538-4





Band2-9538-5





5.5 Conducted Spurious Emission

5.5.1 Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.13	-86.04	-43	PASS
Band2	9262	0.15~30MHz	28.81	-57.15	-23	PASS
Band2	9262	30~1000MHz	39.36	-43.61	-13	PASS
Band2	9262	1000~3000MHz	2991.33	-49.91	-13	PASS
Band2	9262	3000~10000MHz	3706.16	-53.4	-13	PASS
Band2	9262	10000~20000MHz	19155.19	-50.95	-13	PASS
Band2	9400	0.009~0.15MHz	0.13	-85.9	-43	PASS
Band2	9400	0.15~30MHz	24.98	-58.01	-23	PASS
Band2	9400	30~1000MHz	34.61	-43.57	-13	PASS
Band2	9400	1000~3000MHz	2983.4	-49.86	-13	PASS
Band2	9400	3000~10000MHz	3758.42	-52.49	-13	PASS
Band2	9400	10000~20000MHz	19072.2	-51.03	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-86.04	-43	PASS
Band2	9538	0.15~30MHz	25.01	-58.27	-23	PASS
Band2	9538	30~1000MHz	58.02	-44.39	-13	PASS
Band2	9538	1000~3000MHz	2955.67	-49.9	-13	PASS
Band2	9538	3000~10000MHz	3813.49	-49.03	-13	PASS
Band2	9538	10000~20000MHz	19185.53	-51.03	-13	PASS

5.5.2 Test Result(HSDPA)

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	1	0.15~30MHz	26.16	-57.18	-23	PASS
Band2	9262	1	30~1000MHz	32.54	-43.37	-13	PASS
Band2	9262	1	1000~3000MHz	2992.07	-49.76	-13	PASS
Band2	9262	1	3000~10000MHz	3706.16	-54.02	-13	PASS
Band2	9262	1	10000~20000MHz	19113.86	-51.02	-13	PASS
Band2	9262	1	0.009~0.15MHz	0.13	-85.79	-43	PASS
Band2	9262	2	1000~3000MHz	2991.6	-49.77	-13	PASS
Band2	9262	2	0.009~0.15MHz	0.13	-86.33	-43	PASS
Band2	9262	2	3000~10000MHz	3706.39	-53.87	-13	PASS
Band2	9262	2	30~1000MHz	34.64	-44.71	-13	PASS
Band2	9262	2	0.15~30MHz	28.79	-58.24	-23	PASS
Band2	9262	2	10000~20000MHz	19089.53	-51	-13	PASS
Band2	9262	3	0.15~30MHz	24.3	-57.74	-23	PASS
Band2	9262	3	30~1000MHz	41.3	-44.6	-13	PASS
Band2	9262	3	10000~20000MHz	19103.2	-51.03	-13	PASS
Band2	9262	3	0.009~0.15MHz	0.13	-86.58	-43	PASS
Band2	9262	3	3000~10000MHz	3706.39	-54.16	-13	PASS
Band2	9262	3	1000~3000MHz	2988.2	-49.8	-13	PASS
Band2	9262	4	0.15~30MHz	27.9	-57.98	-23	PASS
Band2	9262	4	30~1000MHz	79.23	-43.94	-13	PASS
Band2	9262	4	1000~3000MHz	2974.6	-49.79	-13	PASS
Band2	9262	4	10000~20000MHz	19086.53	-51.12	-13	PASS
Band2	9262	4	0.009~0.15MHz	0.13	-85.89	-43	PASS
Band2	9262	4	3000~10000MHz	3706.39	-54.07	-13	PASS
Band2	9400	1	10000~20000MHz	19124.2	-50.9	-13	PASS
Band2	9400	1	3000~10000MHz	3758.19	-52.8	-13	PASS



Band2	9400	1	1000~3000MHz	2962.87	-49.82	-13	PASS
Band2	9400	1	30~1000MHz	35.13	-44.59	-13	PASS
Band2	9400	1	0.009~0.15MHz	0.01	-85.92	-43	PASS
Band2	9400	1	0.15~30MHz	29.14	-58.21	-23	PASS
Band2	9400	2	0.15~30MHz	28.34	-57.99	-23	PASS
Band2	9400	2	30~1000MHz	32.99	-44.63	-13	PASS
Band2	9400	2	1000~3000MHz	2414.33	-49.79	-13	PASS
Band2	9400	2	3000~10000MHz	3758.66	-53.92	-13	PASS
Band2	9400	2	0.009~0.15MHz	0.01	-86.19	-43	PASS
Band2	9400	2	10000~20000MHz	19078.86	-51.1	-13	PASS
Band2	9400	3	1000~3000MHz	2415.4	-49.89	-13	PASS
Band2	9400	3	30~1000MHz	39.68	-44.38	-13	PASS
Band2	9400	3	0.15~30MHz	22.57	-58.17	-23	PASS
Band2	9400	3	3000~10000MHz	3761.69	-53.98	-13	PASS
Band2	9400	3	0.009~0.15MHz	0.13	-84.36	-43	PASS
Band2	9400	3	10000~20000MHz	19102.86	-50.98	-13	PASS
Band2	9400	4	0.009~0.15MHz	0.01	-84.87	-43	PASS
Band2	9400	4	0.15~30MHz	15.68	-58.09	-23	PASS
Band2	9400	4	30~1000MHz	65.49	-44.51	-13	PASS
Band2	9400	4	1000~3000MHz	2993.2	-49.62	-13	PASS
Band2	9400	4	3000~10000MHz	3761.69	-53.84	-13	PASS
Band2	9400	4	10000~20000MHz	19052.86	-51	-13	PASS
Band2	9538	1	10000~20000MHz	19126.86	-51	-13	PASS
Band2	9538	1	0.009~0.15MHz	0.01	-83.45	-43	PASS
Band2	9538	1	3000~10000MHz	3813.49	-49.94	-13	PASS
Band2	9538	1	0.15~30MHz	29.78	-57.68	-23	PASS
Band2	9538	1	1000~3000MHz	2981.4	-49.7	-13	PASS
Band2	9538	1	30~1000MHz	30.02	-43.89	-13	PASS
Band2	9538	2	0.15~30MHz	26.67	-58.05	-23	PASS
Band2	9538	2	30~1000MHz	35.35	-43.99	-13	PASS
Band2	9538	2	1000~3000MHz	2972.07	-49.84	-13	PASS
Band2	9538	2	10000~20000MHz	19096.53	-50.98	-13	PASS
Band2	9538	2	3000~10000MHz	3813.72	-49.85	-13	PASS
Band2	9538	2	0.009~0.15MHz	0.13	-86.34	-43	PASS
Band2	9538	3	30~1000MHz	35.16	-44.27	-13	PASS
Band2	9538	3	10000~20000MHz	19055.53	-51.15	-13	PASS
Band2	9538	3	1000~3000MHz	2966.47	-49.77	-13	PASS
Band2	9538	3	0.15~30MHz	23.86	-57.88	-23	PASS
Band2	9538	3	0.009~0.15MHz	0.13	-86.14	-43	PASS
Band2	9538	3	3000~10000MHz	3813.26	-49.98	-13	PASS
Band2	9538	4	10000~20000MHz	19075.53	-50.93	-13	PASS
Band2	9538	4	0.009~0.15MHz	0.13	-85.64	-43	PASS
Band2	9538	4	0.15~30MHz	24.89	-58.48	-23	PASS
Band2	9538	4	30~1000MHz	35.09	-43.67	-13	PASS
Band2	9538	4	1000~3000MHz	2997.6	-49.45	-13	PASS
Band2	9538	4	3000~10000MHz	3813.72	-50.18	-13	PASS



5.5.3 Test Result(HSUPA)

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	1	0.15~30MHz	28.08	-57.28	-23	PASS
Band2	9262	1	30~1000MHz	227.18	-44.37	-13	PASS
Band2	9262	1	1000~3000MHz	2414.53	-49.64	-13	PASS
Band2	9262	1	3000~10000MHz	3704.06	-51.14	-13	PASS
Band2	9262	1	10000~20000MHz	19066.53	-50.87	-13	PASS
Band2	9262	1	0.009~0.15MHz	0.13	-85.89	-43	PASS
Band2	9262	2	1000~3000MHz	2997.47	-49.69	-13	PASS
Band2	9262	2	3000~10000MHz	3703.59	-52.65	-13	PASS
Band2	9262	2	30~1000MHz	74.31	-44.9	-13	PASS
Band2	9262	2	0.15~30MHz	30	-57.3	-23	PASS
Band2	9262	2	0.009~0.15MHz	0.13	-85.06	-43	PASS
Band2	9262	2	10000~20000MHz	19070.53	-50.9	-13	PASS
Band2	9262	3	10000~20000MHz	19180.86	-51.01	-13	PASS
Band2	9262	3	0.15~30MHz	28.41	-58.18	-23	PASS
Band2	9262	3	30~1000MHz	33.19	-44.71	-13	PASS
Band2	9262	3	0.009~0.15MHz	0.13	-85.4	-43	PASS
Band2	9262	3	3000~10000MHz	3704.99	-51.78	-13	PASS
Band2	9262	3	1000~3000MHz	2944.4	-49.85	-13	PASS
Band2	9262	4	0.009~0.15MHz	0.13	-85.88	-43	PASS
Band2	9262	4	0.15~30MHz	29.94	-57.98	-23	PASS
Band2	9262	4	30~1000MHz	34.06	-44.35	-13	PASS
Band2	9262	4	1000~3000MHz	2990.13	-49.75	-13	PASS
Band2	9262	4	3000~10000MHz	3703.59	-52.36	-13	PASS
Band2	9262	4	10000~20000MHz	19185.86	-51.02	-13	PASS
Band2	9262	5	1000~3000MHz	2981.87	-49.82	-13	PASS
Band2	9262	5	10000~20000MHz	19094.2	-50.97	-13	PASS
Band2	9262	5	3000~10000MHz	3703.36	-50.69	-13	PASS
Band2	9262	5	0.009~0.15MHz	0.01	-85.85	-43	PASS
Band2	9262	5	30~1000MHz	38.91	-44.52	-13	PASS
Band2	9262	5	0.15~30MHz	25.92	-57.46	-23	PASS
Band2	9400	1	0.15~30MHz	29.22	-57.24	-23	PASS
Band2	9400	1	0.009~0.15MHz	0.13	-85.62	-43	PASS
Band2	9400	1	30~1000MHz	32.38	-43.9	-13	PASS
Band2	9400	1	1000~3000MHz	2980.8	-49.74	-13	PASS
Band2	9400	1	3000~10000MHz	3758.42	-49.55	-13	PASS
Band2	9400	1	10000~20000MHz	19046.87	-50.88	-13	PASS
Band2	9400	2	1000~3000MHz	2995.4	-49.68	-13	PASS
Band2	9400	2	3000~10000MHz	3761.69	-49.29	-13	PASS
Band2	9400	2	30~1000MHz	32.64	-44.75	-13	PASS
Band2	9400	2	0.15~30MHz	29.5	-57.32	-23	PASS
Band2	9400	2	0.009~0.15MHz	0.13	-86.51	-43	PASS
Band2	9400	2	10000~20000MHz	19073.53	-50.9	-13	PASS
Band2	9400	3	30~1000MHz	34.64	-43.92	-13	PASS
Band2	9400	3	0.009~0.15MHz	0.13	-85.66	-43	PASS
Band2	9400	3	1000~3000MHz	2995.87	-49.7	-13	PASS
Band2	9400	3	3000~10000MHz	3761.69	-49.38	-13	PASS
Band2	9400	3	10000~20000MHz	19115.86	-50.7	-13	PASS
Band2	9400	3	0.15~30MHz	29.37	-58.42	-23	PASS
Band2	9400	4	0.15~30MHz	27.1	-58.44	-23	PASS
Band2	9400	4	10000~20000MHz	19163.53	-50.88	-13	PASS

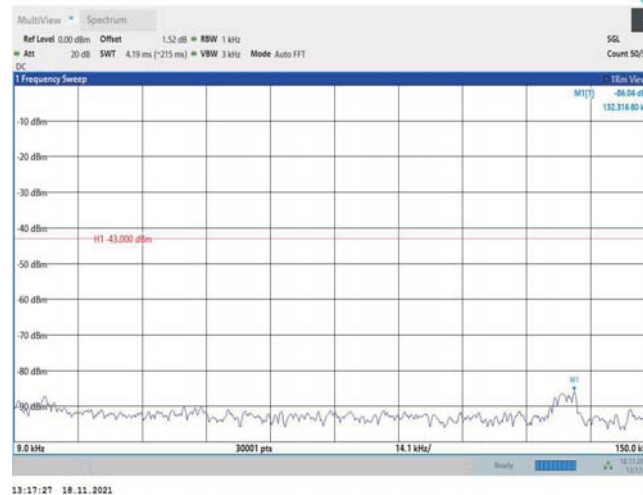


Band2	9400	4	3000~10000MHz	3761.69	-49.5	-13	PASS
Band2	9400	4	30~1000MHz	184.79	-44.54	-13	PASS
Band2	9400	4	0.009~0.15MHz	0.13	-85.29	-43	PASS
Band2	9400	4	1000~3000MHz	2998.8	-49.71	-13	PASS
Band2	9400	5	10000~20000MHz	19063.86	-50.99	-13	PASS
Band2	9400	5	0.15~30MHz	26.82	-58.49	-23	PASS
Band2	9400	5	30~1000MHz	36.19	-44.25	-13	PASS
Band2	9400	5	1000~3000MHz	2985.8	-49.75	-13	PASS
Band2	9400	5	3000~10000MHz	3761.92	-49.41	-13	PASS
Band2	9400	5	0.009~0.15MHz	0.13	-85.95	-43	PASS
Band2	9538	1	0.009~0.15MHz	0.13	-85.79	-43	PASS
Band2	9538	1	0.15~30MHz	28.74	-57.98	-23	PASS
Band2	9538	1	30~1000MHz	35.38	-44.24	-13	PASS
Band2	9538	1	1000~3000MHz	2941.2	-49.77	-13	PASS
Band2	9538	1	3000~10000MHz	7497.47	-55.48	-13	PASS
Band2	9538	1	10000~20000MHz	19083.2	-50.98	-13	PASS
Band2	9538	2	1000~3000MHz	2967.2	-49.86	-13	PASS
Band2	9538	2	10000~20000MHz	19096.2	-50.92	-13	PASS
Band2	9538	2	3000~10000MHz	7480.43	-55.57	-13	PASS
Band2	9538	2	30~1000MHz	35.32	-44.38	-13	PASS
Band2	9538	2	0.15~30MHz	25.23	-58.3	-23	PASS
Band2	9538	2	0.009~0.15MHz	0.13	-84.85	-43	PASS
Band2	9538	3	3000~10000MHz	7486.73	-55.29	-13	PASS
Band2	9538	3	0.15~30MHz	29.59	-58.01	-23	PASS
Band2	9538	3	10000~20000MHz	19079.2	-50.91	-13	PASS
Band2	9538	3	30~1000MHz	77.71	-44.66	-13	PASS
Band2	9538	3	1000~3000MHz	2461.93	-49.63	-13	PASS
Band2	9538	3	0.009~0.15MHz	0.13	-84.1	-43	PASS
Band2	9538	4	0.009~0.15MHz	0.13	-87.03	-43	PASS
Band2	9538	4	10000~20000MHz	19108.53	-50.95	-13	PASS
Band2	9538	4	3000~10000MHz	7489.3	-55.41	-13	PASS
Band2	9538	4	1000~3000MHz	2994.33	-49.75	-13	PASS
Band2	9538	4	0.15~30MHz	28.1	-58.39	-23	PASS
Band2	9538	4	30~1000MHz	78.74	-44.63	-13	PASS
Band2	9538	5	10000~20000MHz	19086.86	-51	-13	PASS
Band2	9538	5	0.009~0.15MHz	0.13	-86.1	-43	PASS
Band2	9538	5	0.15~30MHz	28.88	-57.41	-23	PASS
Band2	9538	5	30~1000MHz	34.25	-44.54	-13	PASS
Band2	9538	5	1000~3000MHz	2997.2	-49.73	-13	PASS
Band2	9538	5	3000~10000MHz	3813.49	-45.94	-13	PASS

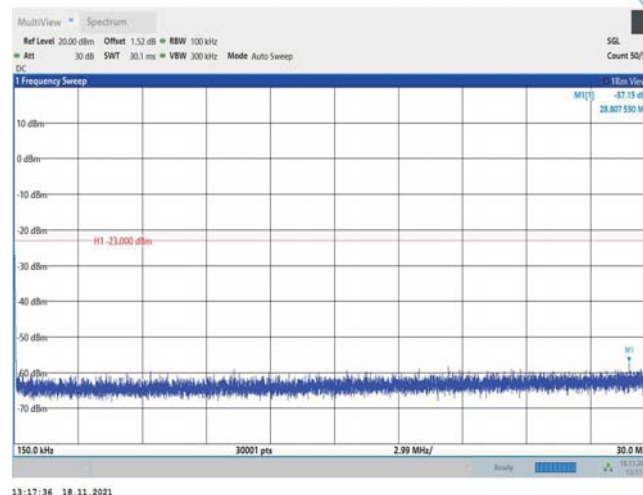


5.5.4 Test Graphs(WCDMA)

Band2-9262-0.009~0.15MHz



Band2-9262-0.15~30MHz



Band2-9262-30~1000MHz

