

**CFR 47 FCC PART 22 H
CFR 47 FCC PART 24 E
CFR 47 FCC PART 27**

TEST REPORT

For

5G Smart Phone

MODEL NUMBER: S6702X

REPORT NUMBER: 4791041023-1-RF-7

ISSUE DATE: Jan. 12, 2024

FCC ID:2ADINS6702X

Prepared for

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Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	Jan. 12, 2024	Initial Issue	\

Note:

1. This test report is only published to and used by the applicant, and it is not for evidence purpose in China.
2. The measurement result for the sample received is <Pass> according to < CFR 47 FCC PART 22 H >< CFR 47 FCC PART 24 E>< CFR 47 FCC PART 27> when < Simple Acceptance > decision rule is applied.

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Sun Cupid Technology (HK) Ltd.
Address: 16/F, CEO Tower, 77 Wing Hong St, Cheung Sha Wan,
Kowloon Hong Kong

Manufacturer Information

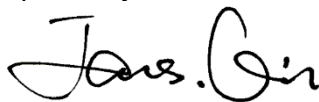
Company Name: Sun Cupid Technology (HK) Ltd.
Address: 16/F, CEO Tower, 77 Wing Hong St, Cheung Sha Wan,
Kowloon Hong Kong

EUT Information

EUT Name: 5G Smart Phone
Model: S6702X
Series Model: B30 Pro, NUU B30 Pro
Brand: NUU
Sample Received Date: October 26, 2023
Sample Status: Normal
Sample ID: 6616020
Date of Tested: Oct. 26, 2023 to Jan. 5, 2024

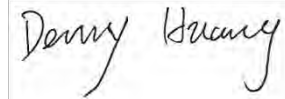
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 22 H	PASS
CFR 47 FCC PART 24 E	PASS
CFR 47 FCC PART 27	PASS

Prepared By:



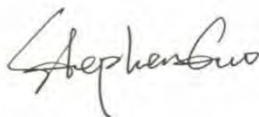
James Qin
Project Engineer

Checked By:



Denny Huang
Senior Project Engineer

Approved By:



Stephen Guo
Operations Manager

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.26-2015, 971168 D01 Power Meas License Digital Systems v03r01, 971168 D02 Misc Rev Approv License Devices v02r01, 412172 D01 v01r01 Determining ERP and EIRP, CFR 47 FCC Part 2, Part 22 H, Part 24 E, Part 27.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules ISED (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046. VCCI (Registration No.: G-20192, C-20153, T-20155 and R-20202) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber D, the VCCI registration No. is G-20192 and R-20202. Shielding Room B, the VCCI registration No. is C-20153 and T-20155.
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Note 1: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China

Note 2: The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3: For below 30 MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30 MHz had been correlated to measurements performed on an OFS.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognize national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty
Conduction emission	3.62 dB
Radiated Emission (Included Fundamental Emission) (9 kHz ~ 30 MHz)	2.2 dB
Radiated Emission (Included Fundamental Emission) (30 MHz ~ 1 GHz)	4.00 dB
Radiated Emission (Included Fundamental Emission) (1 GHz to 40 GHz)	5.78 dB (1 GHz-18 GHz)
	5.23dB (18 GHz-26 GHz)
	5.64 dB (26 GHz-40 GHz)
Bandwidth	1.1 %
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of k=2.	

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name:	5G Smart Phone
Model:	S6702X
Series Model:	B30 Pro, NUU B30 Pro
Model Difference:	B30 Pro, NUU B30 Pro have the same technical construction including circuit diagram, PCB Layout, components and component layout, all electrical construction and mechanical construction with S6702X. The difference lies only the model number. all these changes do not degrade the unwanted emissions of the certified product.

5.2. TEST CHANNEL CONFIGURATION

Band	Mode	Low	Middle	High
WCDMA Band 2	HSDPA/HSUPA	9262	9400	9538
		1852.4 MHz	1880.0 MHz	1907.6 MHz
WCDMA Band 4	HSDPA/HSUPA	1312	1413	1513
		1712.4 MHz	1732.6 MHz	1752.6 MHz
WCDMA Band 5	HSDPA/HSUPA	4132	4182	4233
		826.4 MHz	836.4 MHz	846.6 MHz

5.3. MAXIMUM ERP/EIRP POWER AND EMISSION DESIGNATOR

WCDMA Band2

Part 24					
EIRP Limit(W)	2.0				
Antenna Gain (dBi)	-0.9				
Mode	Frequency Range (MHz)	Conducted Average power (dBm)	EIRP (W)	99% OBW (MHz)	Emission Designator
REL. 99	1852.4 ~ 1907.6	20.93	0.101	4.163	4M16F9W
HSDPA		19.93	0.080	4.165	4M17F9W
HSUPA		19.93	0.080	4.161	4M16F9W

WCDMA Band4

Part 27					
EIRP Limit(W)	1.0				
Antenna Gain (dBi)	-0.1				
Mode	Frequency Range (MHz)	Conducted Average power (dBm)	EIRP (W)	99% OBW (MHz)	Emission Designator
REL. 99	1712.4 ~ 1752.6	21.03	0.130	4.167	4M17F9W
HSDPA		20.04	0.103	4.165	4M17F9W
HSUPA		20.01	0.103	4.163	4M16F9W

WCDMA Band5

Part 22					
ERP Limit(W)	7.0				
Antenna Gain (dBi)	-3.9				
Mode	Frequency Range (MHz)	Conducted Average power (dBm)	ERP (W)	99% OBW (MHz)	Emission Designator
REL. 99	826.4 ~ 846.6	23.39	0.054	4.175	4M18F9W
HSDPA		22.55	0.045	4.178	4M18F9W
HSUPA		22.39	0.043	4.168	4M17F9W

5.4. WORST-CASE CONFIGURATION AND MODE

The radiated spurious emissions measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT was investigated in three orthogonal orientations X, Y and Z. It was determined that X orientation was the worst-case orientation.

Radiated spurious emissions were investigated below 30 MHz, 30 MHz - 1 GHz and above 1 GHz. There were no emissions found on below 1GHz and above 18 GHz, the emissions between 1 GHz – 18 GHz were tested at the low, mid, high channel and the worst configuration. Only the worst result is reported.

5.5. DESCRIPTION OF AVAILABLE ANTENNAS

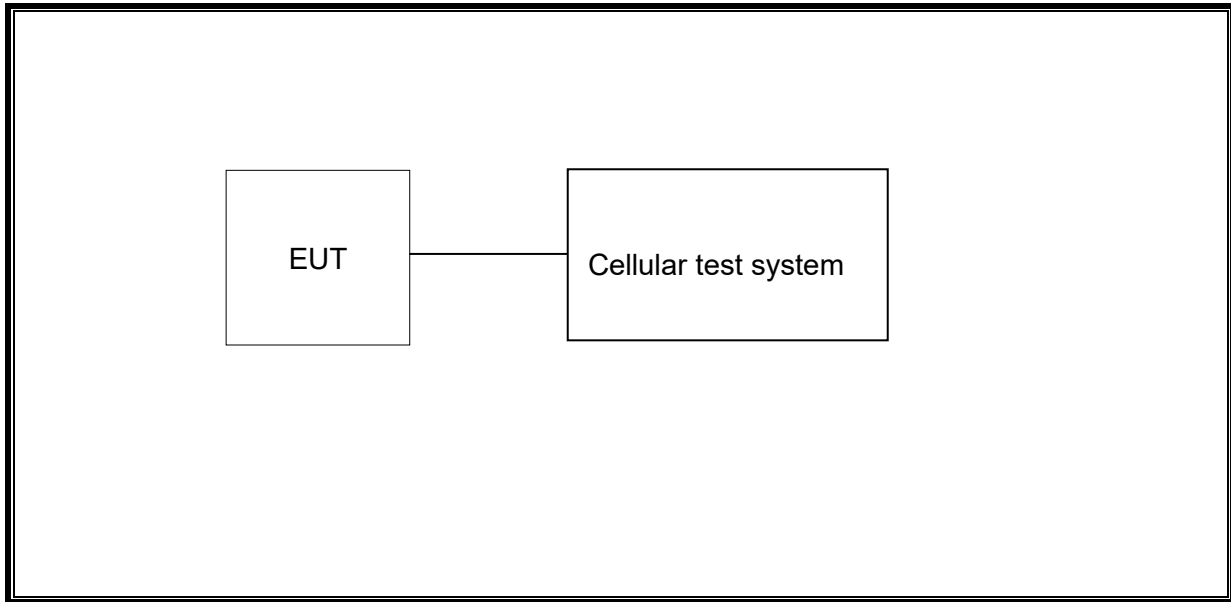
Antenna	Band	Antenna Type	MAX Antenna Gain (dBi)
Ant0	WCDMA Band 2	FPC	-0.9
Ant0	WCDMA Band 4	FPC	0.1
Ant0	WCDMA Band 5	FPC	-3.9

Band	Transmit and Receive Mode	Description
WCDMA Band 2	☒ 1TX, 2RX	Ant0 antenna can be used as transmitting/receiving antenna, DIV antenna can be used as receiving antenna
WCDMA Band 4	☒ 1TX, 2RX	Ant0 antenna can be used as transmitting/receiving antenna, DIV antenna can be used as receiving antenna
WCDMA Band 5	☒ 1TX, 2RX	Ant0 antenna can be used as transmitting/receiving antenna, DIV antenna can be used as receiving antenna

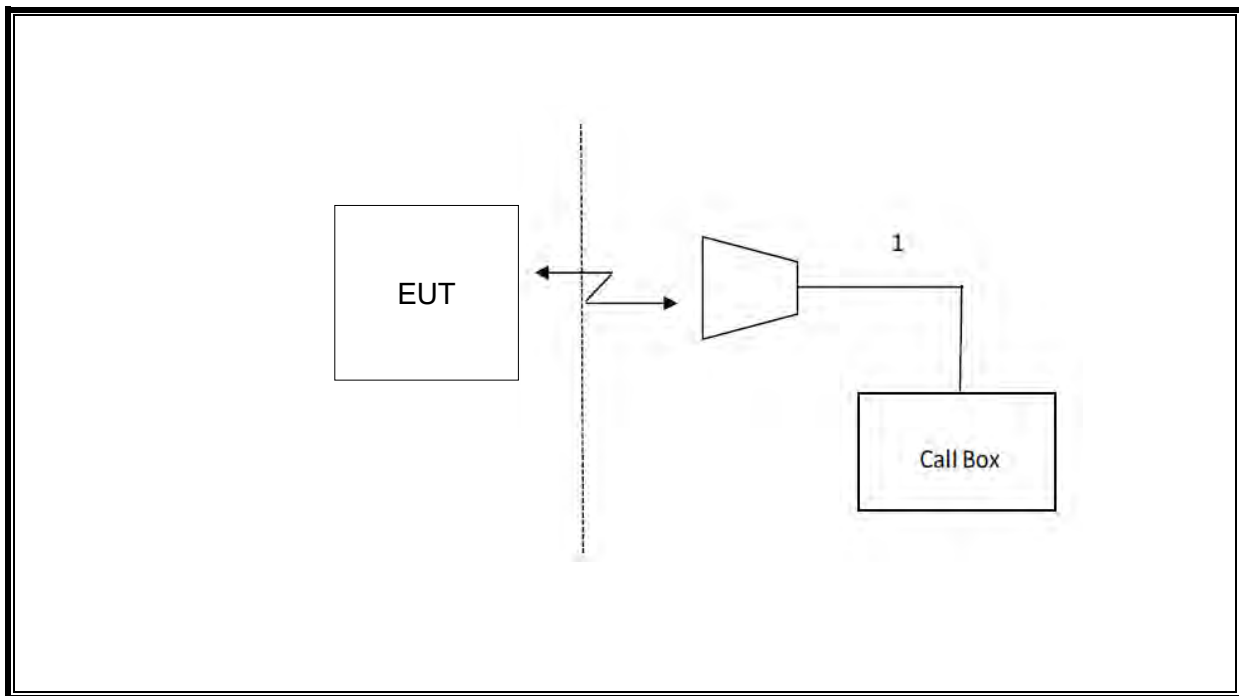
Note: The value of the antenna gain was declared by customer.

5.6. DESCRIPTION OF TEST SETUP

Conducted



Radiated



6. MEASURING INSTRUMENT AND SOFTWARE USED

Antenna Terminal Test						
Instrument						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
☒	Spectrum Analyzer	R&S	FSV40	S422060001	Oct.12, 2023	Oct.11, 2024
☒	Wideband Radio Communication Tester	R&S	CMW500	155523	Oct.12, 2023	Oct.11, 2024
☒	DC Power Supply	Array	3662A	A1512015	Oct.12, 2023	Oct.11, 2024
Software						
Used	Description		Manufacturer	Name		Version
☒	Tonsend Cellular Test System		Tonsend	JS1120 RF Auto Test System		3.1.46
Radiated Test						
Instrument						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
☒	MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Oct.12, 2023	Oct.11, 2024
☒	Hybrid Log Periodic Antenna	TDK	HLP-3003C	130959	Aug.02, 2021	Aug.01, 2024
☒	Preamplifier	HP	8447D	2944A09099	Oct.12, 2023	Oct.11, 2024
☒	EMI Measurement Receiver	R&S	ESR26	101377	Oct.12, 2023	Oct.11, 2024
☒	Horn Antenna	TDK	HRN-0118	130940	July 20, 2021	July 19, 2024
☒	Horn Antenna	Schwarzbeck	BBHA9170	697	July 20, 2021	July 19, 2024
☒	Preamplifier	TDK	PA-02-0118	TRS-305-00067	Oct.12, 2023	Oct.11, 2024
☒	Preamplifier	TDK	PA-02-2	TRS-307-00003	Oct.12, 2023	Oct.11, 2024
☒	Loop antenna	Schwarzbeck	1519B	00008	Dec.14, 2021	Dec.13, 2024
☒	High Pass Filter	Wi	WHKX10-2700-3000-18000-40SS	23	Oct.12, 2023	Oct.11, 2024
Software						
Used	Description		Manufacturer	Name		Version
☒	Test Software for Radiated disturbance		Farad	EZ-EMC		Ver. UL-3A1

7. ANTENNA TERMINAL TEST RESULTS

7.1. EFFECTIVE (ISOTROPIC) RADIATED POWER OF TRANSMITTER

RULE PART(S)

FCC: §2.1046, §22.913, §24.232, §27.50

LIMITS

22.913(a) The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

24.232(c) Mobile/portable stations are limited to 2 watts e.i.r.p. peak power and the equipment must employ means to limit the power to the minimum necessary for successful communications.

27.50(c) Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

27.50(d) 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 watts EIRP.

27.50(h) Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

In addition, when the transmitter power is measured in terms of average value, the peak-to-average ratio of the power shall not exceed 13 dB.

TEST PROCEDURE

Refer to ANSI C63.26:2015 and KDB 971168 D01 Section 5.6

$ERP/EIRP = P_{Meas} + GT - LC$

where:

ERP or EIRP = effective or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas} , typically dBW or dBm);

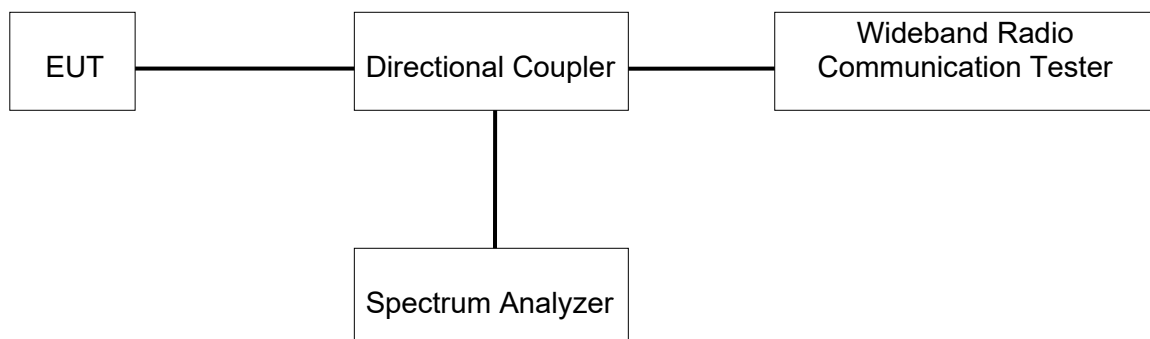
P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

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

The transmitter has a maximum radiated ERP / EIRP output powers as follows:

TEST SETUP



TEST ENVIRONMENT

Temperature	23.2°C	Relative Humidity	52.6%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.87 V

RESULTS

Please refer to Appendix A.

7.2. PEAK TO AVERAGE RADIO

LIMITS

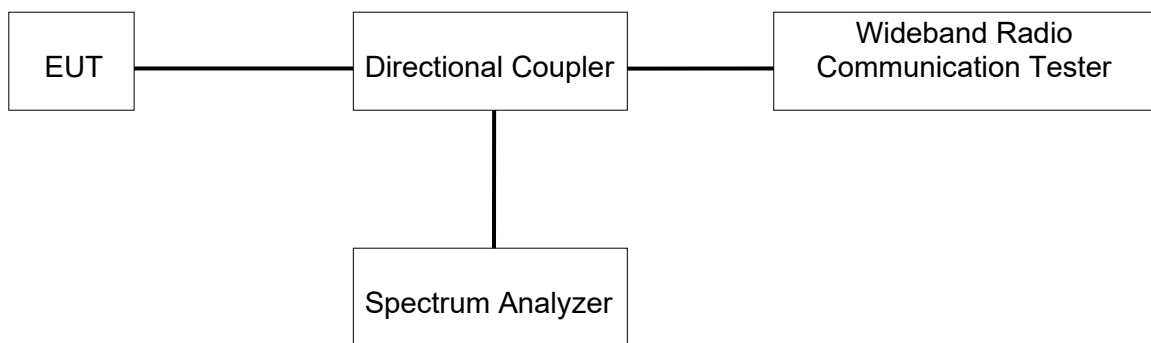
In addition, when the transmitter power is measured in terms of average value, the peak-to-average ratio of the power shall not exceed 13 dB.

TEST PROCEDURE

Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01;

The transmitter output was connected to a CMW500 Test Set and configured to operate at maximum power. The PAR was measured on the Spectrum Analyzer.

TEST SETUP



TEST ENVIRONMENT

Temperature	23.2°C	Relative Humidity	52.6%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.87 V

RESULTS

Middle was used to measure as the worst case. The results from all CCDF plots are passed with 13dB peak-to-average power ratio criteria.

Please refer to Appendix B.

7.3. OCCUPIED BANDWIDTH

RULE PART(S)

FCC: §2.1049

LIMITS

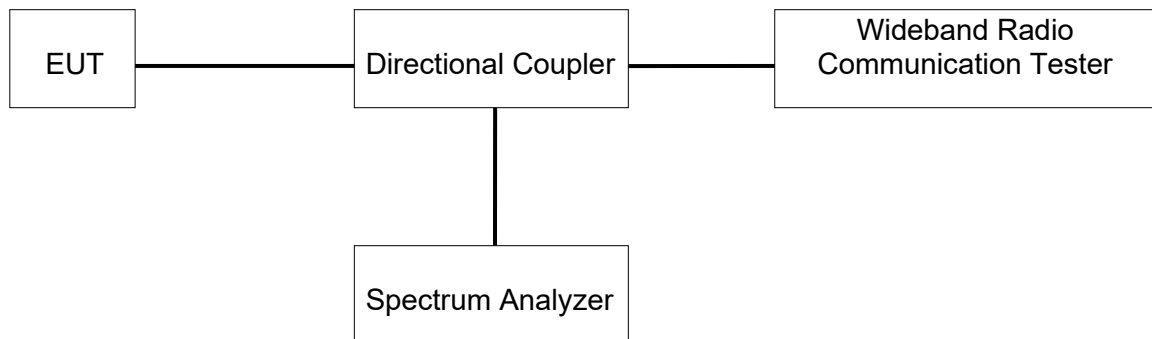
For reporting purposes only.

TEST PROCEDURE

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the low, middle and high channel in each band. The -26dB bandwidth was also measured and recorded.

(Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01)

TEST SETUP



TEST ENVIRONMENT

Temperature	23.2°C	Relative Humidity	52.6%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.87 V

RESULTS

There is no limit required and power is the same for low, middle and high channel, therefore, only middle channel was tested.

Please refer to Appendix C.

7.4. BAND EDGE EMISSIONS

RULE PART(S)

FCC §2.1051, §22.917, §24.238, §27.53

LIMITS

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.

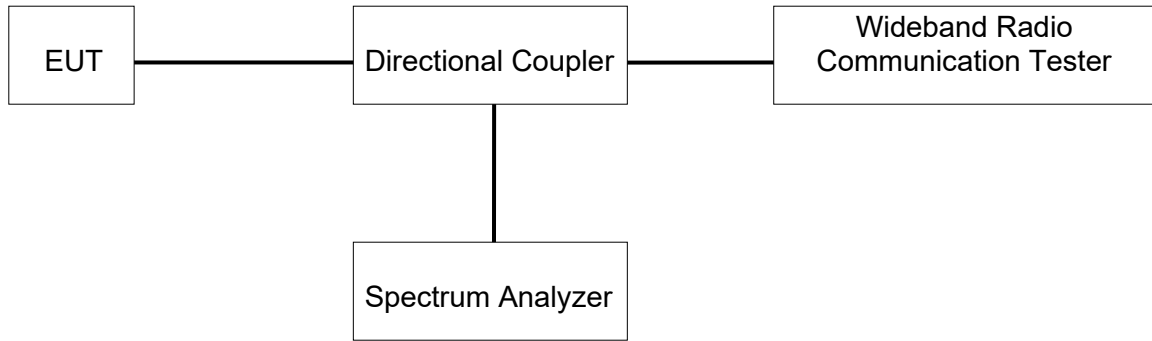
TEST PROCEDURE

Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01

The transmitter output was connected to a CMW500 Test Set and configured to operate at maximum power. The band edge emissions were measured at the required operating frequencies in each band on the Spectrum Analyzer.

- a) Set the RBW = $1 \sim 1.5$ % of OBW (Typically limited to a minimum RBW of 1% of the OBW)
- b) Set VBW $\geq 3 \times$ RBW;
- c) Set span ≥ 1.5 times the OBW;
- d) Sweep time = Auto;
- e) Detector = RMS;
- f) Ensure that the number of measurement points $\geq 2 \times$ Span/RBW;
- g) Trace mode = Average (100);

TEST SETUP



TEST ENVIRONMENT

Temperature	23.2°C	Relative Humidity	52.6%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.87 V

RESULTS

Please refer to Appendix D.

7.5. SPURIOUS EMISSION AT ANTENNA TERMINAL

RULE PART(S)

FCC: §2.1051, §22.901, §22.917, §24.238, §27.53

LIMITS

FCC: §22.901, §22.917, §24.238

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.

TEST PROCEDURE

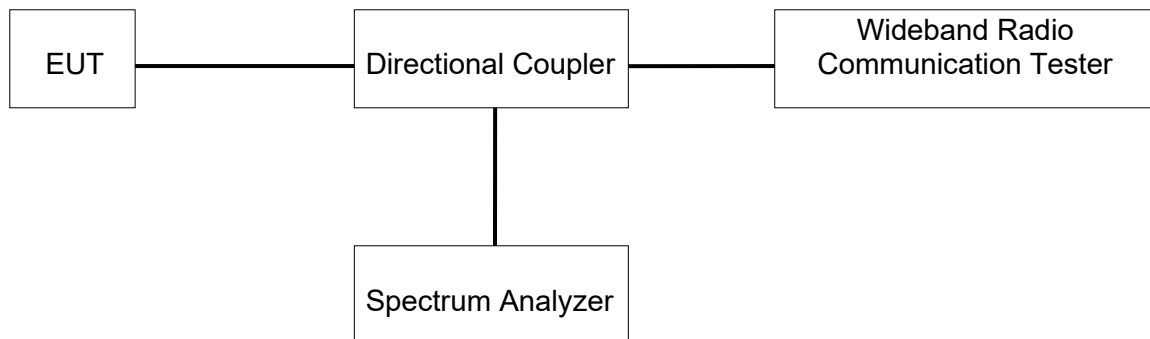
Per KDB 971168 D01 Power Meas License Digital Systems v03r01

The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case emissions were caught.

- a) Set the RBW = 100 kHz for emission below 1GHz and 1MHz for emissions above 1GHz (Tests were performed 1 MHz [Worst case], to sweep 1 time for all frequency range)
- b) Set VBW $\geq 3 \times$ RBW;
- c) Set span ≥ 1.5 times the OBW;
- d) Sweep time = auto couple;
- e) Detector = rms;
- f) Ensure that the number of measurement points = Max (40001);
- g) Trace mode = average (LTE 5), Maxhold (LTE Band7);

Note: Please refer to section 5.4 for bandwidth and RB setting about LTE bands.

TEST SETUP



TEST ENVIRONMENT

Temperature	23.2°C	Relative Humidity	52.6%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.87 V

RESULTS

Please refer to Appendix E.

7.6. FREQUENCY STABILITY

Rule Part:

FCC: §2.1055, §22.355, §24.235, §27.54

LIMITS

§22.355 - The carrier frequency shall not depart from the reference frequency in excess of ± 2.5 ppm for mobile stations.

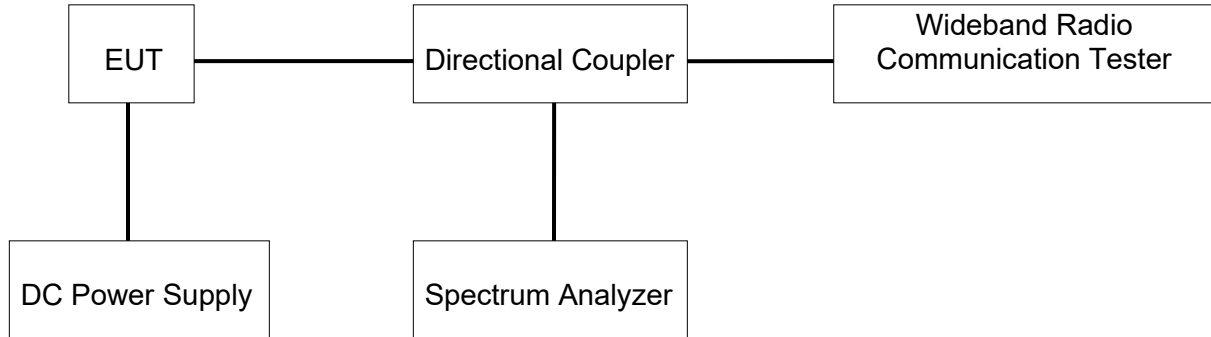
§24.235 and §27.54 - The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

TEST PROCEDURE

Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01.

	Normal Test Conditions	Extreme Test Conditions
Relative Humidity	45 % - 75 %	/
Atmospheric Pressure	100 kPa ~102 kPa	/
Temperature	T_N (Normal Temperature): 24.7 °C	T_L (Low Temperature): -30 °C
		T_H (High Temperature): 50 °C
Supply Voltage	V_N (Normal Voltage): DC 3.87 V	V_L (Low Voltage): DC 3.3V
		V_H (High Voltage): DC 4.5 V

TEST SETUP



TEST ENVIRONMENT

Temperature	23.2°C	Relative Humidity	52.6%
Atmosphere Pressure	101kPa	Test Voltage	/

RESULTS

The peak frequency error is recorded (worst-case).

Please refer to Appendix F.

8. APPENDIX

8.1. AppendixA: Effective (Isotropic) Radiated Power Output Data

8.1.1. Test Result

Band 2		Average Power (dBm)		
		9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	20.93	20.80	20.67
	64kbps RMC	20.73	20.65	20.54
	144kbps RMC	20.74	20.68	20.53
	384kbps RMC	20.75	20.66	20.55
HSDPA	Subtest 1	19.93	19.81	19.67
	Subtest 2	19.68	19.80	19.67
	Subtest 3	19.67	19.79	19.68
	Subtest 4	19.68	19.80	19.68
HSUPA	Subtest 1	17.58	17.77	17.66
	Subtest 2	17.65	17.77	17.67
	Subtest 3	17.66	17.76	17.64
	Subtest 4	17.66	17.76	17.65
	Subtest 5	19.93	19.80	19.69

Band 4		Average Power (dBm)		
		1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	20.90	20.96	21.03
	64kbps RMC	20.71	20.80	20.91
	144kbps RMC	20.80	20.76	20.91
	384kbps RMC	20.78	20.81	20.89
HSDPA	Subtest 1	19.91	19.96	20.02
	Subtest 2	20.03	19.96	20.03
	Subtest 3	20.02	19.94	20.02
	Subtest 4	20.04	19.97	20.03
HSUPA	Subtest 1	17.91	17.91	17.96
	Subtest 2	17.98	17.91	17.98
	Subtest 3	17.98	17.94	17.98
	Subtest 4	17.98	17.91	17.98
	Subtest 5	19.89	19.94	20.01

Band 5		Average Power (dBm)		
		4132CH	4183CH	4233CH
WCDMA	12.2kbps RMC	23.20	23.26	23.39
	64kbps RMC	23.03	23.15	23.24
	144kbps RMC	23.04	23.16	23.24
	384kbps RMC	23.05	23.14	23.20
HSDPA	Subtest 1	22.21	22.24	22.48
	Subtest 2	22.55	22.25	22.41
	Subtest 3	22.51	22.24	22.47
	Subtest 4	22.53	22.24	22.38
HSUPA	Subtest 1	20.77	20.28	20.38
	Subtest 2	20.34	20.31	20.36
	Subtest 3	20.37	20.29	20.37
	Subtest 4	20.40	20.30	20.35
	Subtest 5	22.28	22.32	22.39

8.2. AppendixB:Peak-to-Average Ratio**8.2.1. Test Result**

REL99:

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.16	13	PASS
Band4	1413	3.12	13	PASS
Band5	4182	3.14	13	PASS

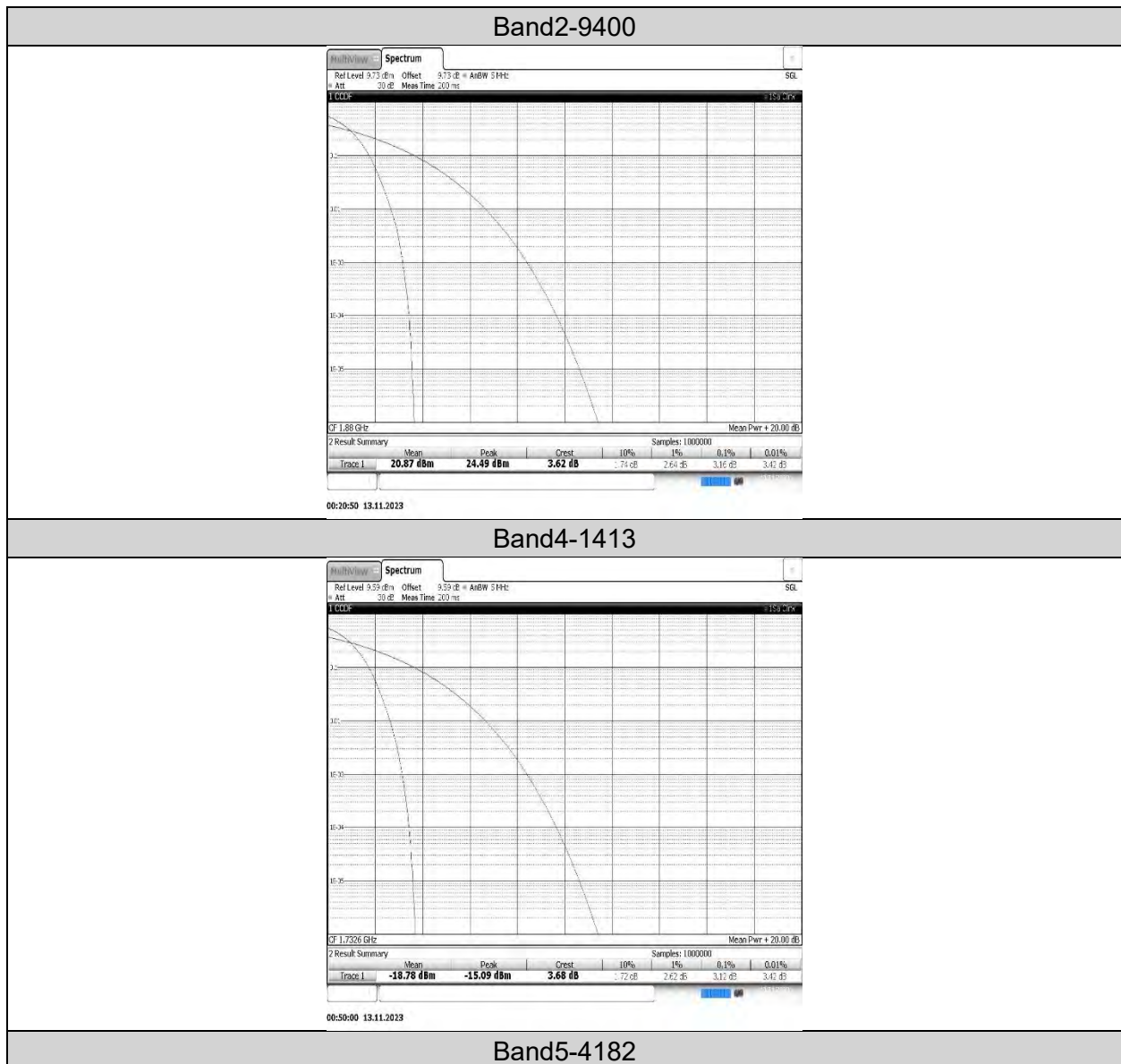
HSDPA:

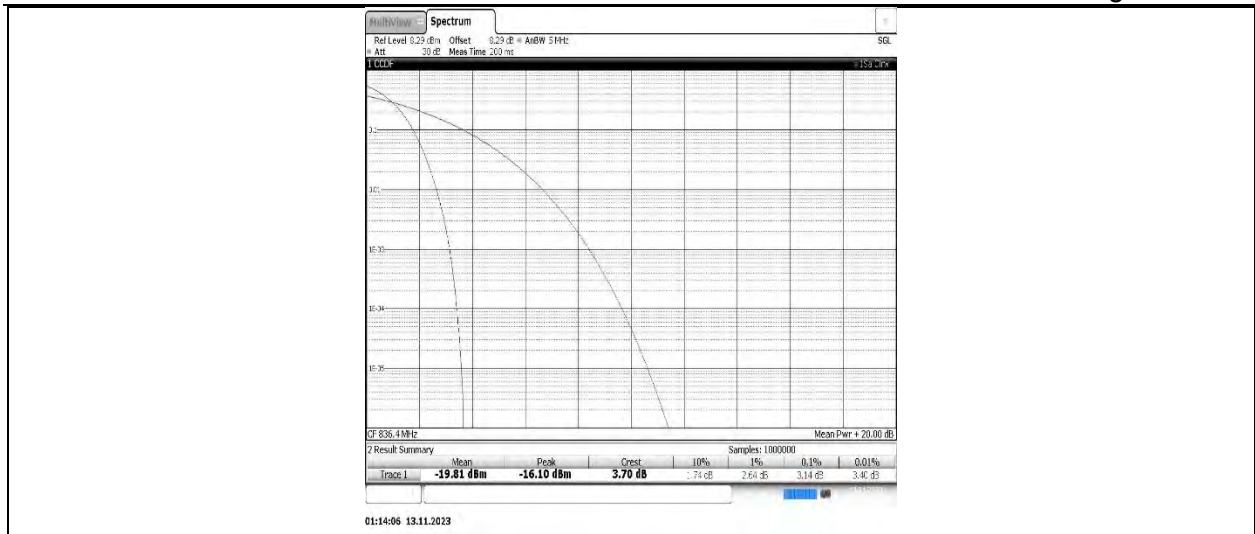
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	4	3.88	13	PASS
Band4	1413	4	3.94	13	PASS
Band5	4182	4	3.9	13	PASS

HSUPA:

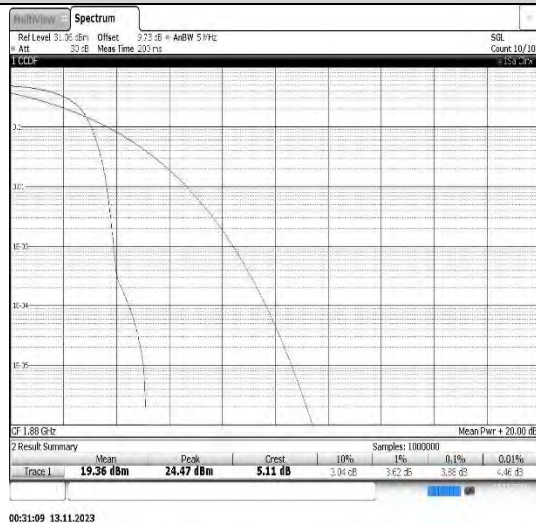
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	5	4.34	13	PASS
Band4	1413	5	4.32	13	PASS
Band5	4182	5	4.2	13	PASS

8.2.1. Test Graphs

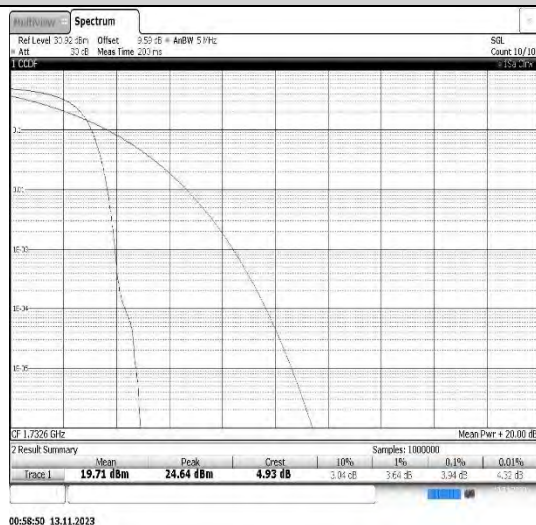




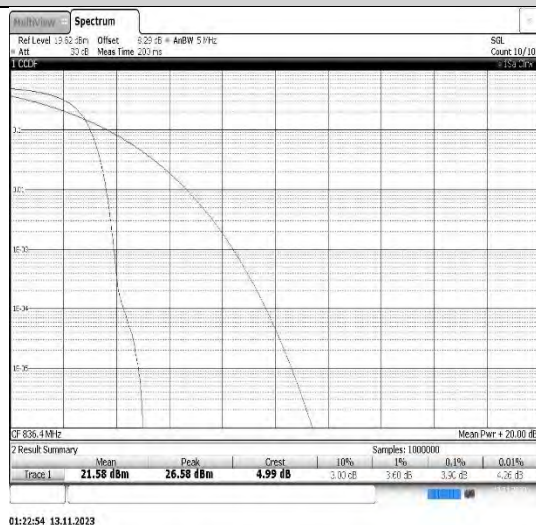
Band2-9400-4



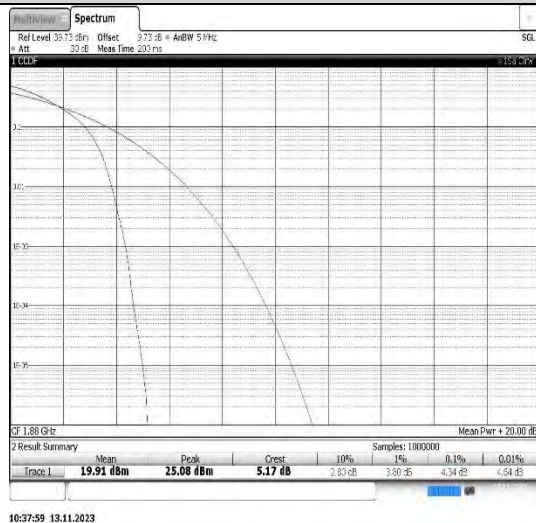
Band4-1413-4



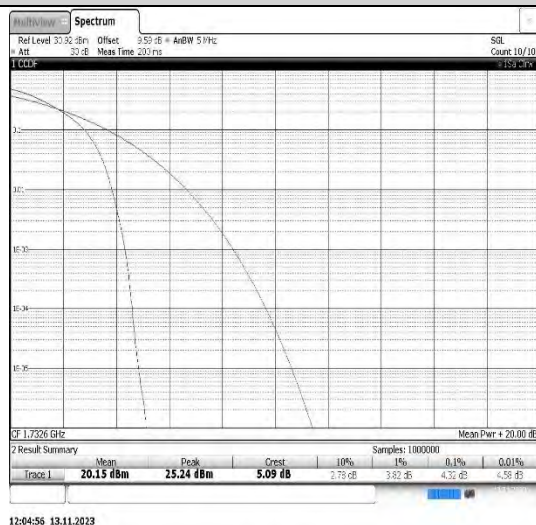
Band5-4182-4



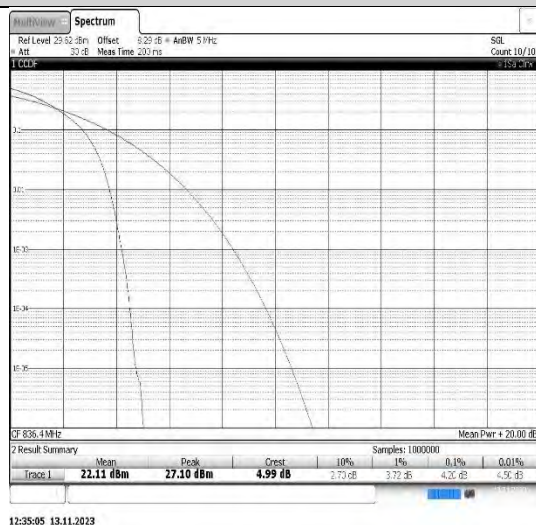
Band2-9400-5



Band4-1413-5



Band5-4182-5



8.3. AppendixC:26dB Bandwidth and Occupied Bandwidth

8.3.1. Test Result

REL99:

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9400	4.163	4.73	---	PASS
Band4	1413	4.167	4.73	---	PASS
Band5	4182	4.175	4.74	---	PASS

HSDPA:

Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9400	4	4.165	4.72	---	PASS
Band4	1413	4	4.165	4.71	---	PASS
Band5	4182	4	4.178	4.72	---	PASS

HSUPA:

Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9400	5	4.161	4.72	---	PASS
Band4	1413	5	4.163	4.71	---	PASS
Band5	4182	5	4.168	4.72	---	PASS

8.3.2. Test Graphs

Band2-9400



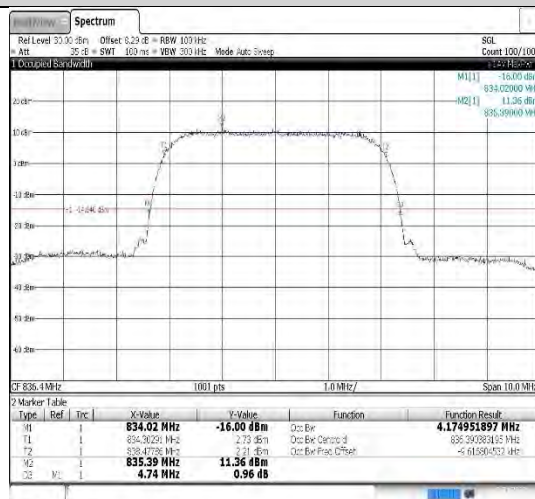
09:12:51 13.11.2023

Band4-1413



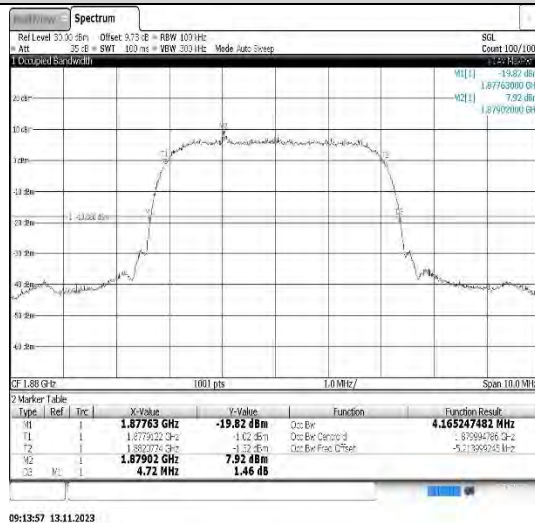
10:03:43 13.11.2023

Band5-4182



10:04:19 13.11.2023

Band2-9400-4



Band4-1413-4



Band5-4182-4



Spectrum

Ref Level: 33.73 dBm Offset: 9.73 dB BW: 100 Hz Att: 30.0 dB SWT: 800 ms VBW: 300 kHz Mode: Auto Sweep

1 Occupied Bandwidth

0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm

4.155 GHz 4.160 GHz 4.165 GHz

1.88096 GHz

0.01 pts 1.0 MHz Span 10.0 MHz

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		1.87764 GHz	-16.93 dBm	Occ Bw	4.16123454 MHz
T1	1		1.877586 GHz	-17.77 dBm	Occ Bw Censor 3	1.579999227 GHz
T2	1		1.880789 GHz	-16.69 dBm	Occ Bw Peak Offset	-772.657998115 Hz
M2	1		1.88096 GHz	7.83 dBm		
S2	N1	1	4.72 MHz	0.16 dB		

Spectrum

Ref Level 33.92 dBm Offset 9.59 kHz RBW 100 Hz
Att -32.46 SWF 800 ms VBW 300 MHz Mode Auto Sweep

SGL Count 100/100
1774.1100C

1 Coupled Span Width

Type	Ref	Tic	X-Value	Y-Value	Function	Function Result
M1	1		1.73024 GHz	-18.24 dBm	Osc Bw	4.16299607 MHz
T1	1		1.73030 GHz	<0.41 dBm	Osc Bw Coupled	1.732390471 GHz
T2	1		1.73030 GHz	<0.41 dBm	Osc Bw Coupled	9.179780817 MHz
V1	1		1.73235 GHz	8.13 dBm		
V2	N/A	1	4.71 MHz	0.20 dB		

CF 1.7296 GHz 1001 pts 1.0 MHz/Scan 10.0 MHz

2 Marker Table

Spectrum

Ref Level 23.52 dBm Offset 0.29 dB RBW 100 Hz
Att 30.4 SWT 100 VBW 300 Hz Mode Auto Sweep

SGL Count 100/100
17.71 dBm

1 Occupied Bandwidth

M1[1] 834.04000 MHz
M2[1] 10.33 dBm
836.43000 MHz

20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm

833.5 MHz 834.0 MHz 834.5 MHz

1.0 MHz

836.1 MHz 1001 pts 1.0 MHz/ Span 10.0 MHz

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		834.04 MHz	-15.76 dBm	On: Bw	4.168261337 MHz
T1	1		834.36785 MHz	2.66 dBm	On: Bw Center f	836.29180517 MHz
T2	1		836.03011 MHz	2.40 dBm	On: Bw Peak Offset	-8.00148311 dBm
M2	1		836.43 MHz	10.33 dBm		
M3	1		4.72 MHz	-0.40 dB		

8.4. AppendixD:Band Edge

8.4.1. Test Result

REL99:

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1849.88	-30.13	-13	PASS
Band2	9538	1910.11	-30.53	-13	PASS
Band4	1312	1709.88	-30.98	-13	PASS
Band4	1513	1755.00	-33.07	-13	PASS
Band5	4132	824.00	-28.66	-13	PASS
Band5	4233	849.00	-27.35	-13	PASS

HSDPA:

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	4	1850.00	-33.60	-13	PASS
Band2	9538	4	1910.12	-33.64	-13	PASS
Band4	1312	4	1709.88	-33.41	-13	PASS
Band4	1513	4	1755.12	-34.32	-13	PASS
Band5	4132	4	823.87	-54.25	-13	PASS
Band5	4233	4	849.13	-45.17	-13	PASS

HSUPA:

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	5	1849.87	-31.85	-13	PASS
Band2	9538	5	1910.12	-36.11	-13	PASS
Band4	1312	5	1709.87	-31.94	-13	PASS
Band4	1513	5	1755.13	-33.66	-13	PASS
Band5	4132	5	823.87	-30.95	-13	PASS
Band5	4233	5	849.13	-29.14	-13	PASS

8.4.2. Test Graphs

Band2-9262



Band2-9538



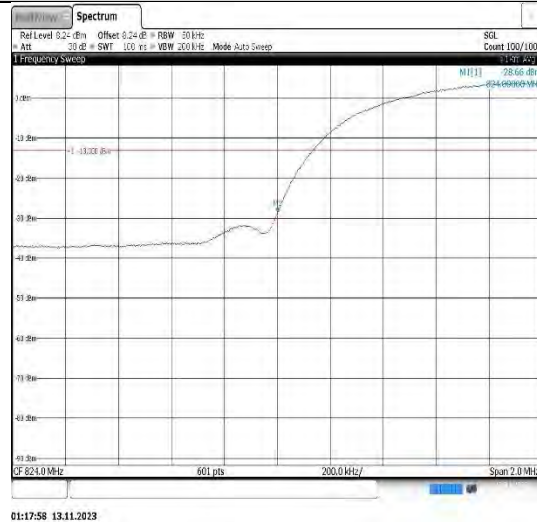
Band4-1312



Band4-1513



Band5-4132



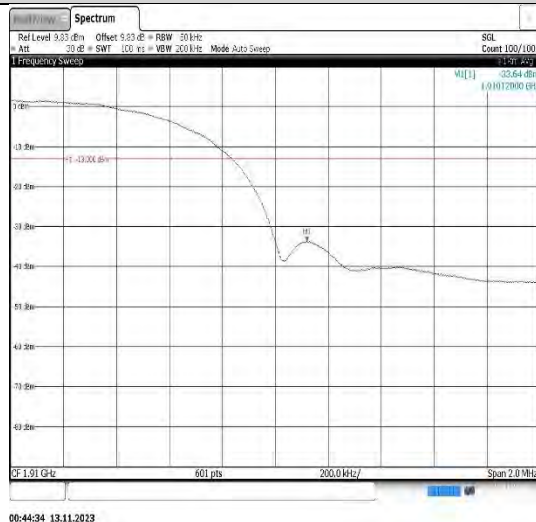
Band5-4233



Band2-9262-4



Band2-9538-4



Band4-1312-4



Band4-1513-4



01:08:43 13.11.2023

Band5-4132-4



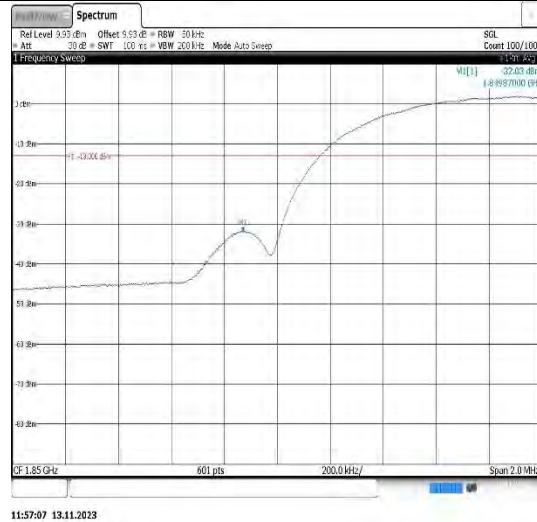
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Band5-4233-4



13:45:37 13.11.2023

Band2-9262-5



Band2-9538-5



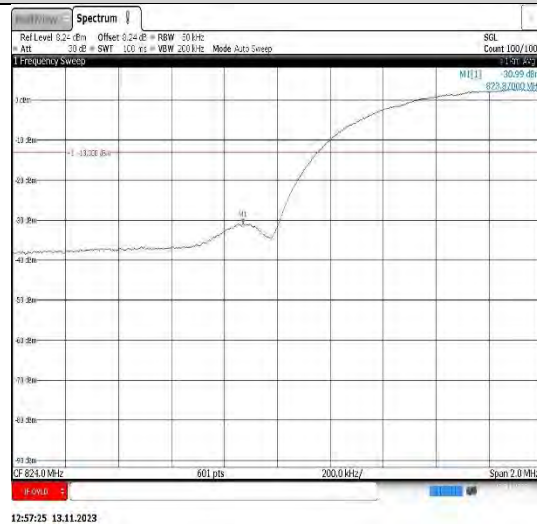
Band4-1312-5



Band4-1513-5



Band5-4132-5



Band5-4233-5



8.5. AppendixE:Conducted SpuriousEmission

8.5.1. Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.02	-85.79	-43	PASS
Band2	9262	0.15~30MHz	17.09	-68.13	-23	PASS
Band2	9262	30~1000MHz	972.99	-44.86	-13	PASS
Band2	9262	1000~20000MHz	7043.9	-36.65	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-87.1	-43	PASS
Band2	9400	0.15~30MHz	6.33	-67.79	-23	PASS
Band2	9400	30~1000MHz	859.5	-45.43	-13	PASS
Band2	9400	1000~20000MHz	7969.2	-36.62	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-84.55	-43	PASS
Band2	9538	0.15~30MHz	0.31	-67.95	-23	PASS
Band2	9538	30~1000MHz	954.33	-45.14	-13	PASS
Band2	9538	1000~20000MHz	7190.2	-37.47	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-85.99	-43	PASS
Band4	1312	0.15~30MHz	9.35	-69.01	-23	PASS
Band4	1312	30~1000MHz	957.11	-45.75	-13	PASS
Band4	1312	1000~20000MHz	7121.8	-36.95	-13	PASS
Band4	1413	0.009~0.15MHz	0.03	-86.91	-43	PASS
Band4	1413	0.15~30MHz	3.34	-69.03	-23	PASS
Band4	1413	30~1000MHz	818.6	-45.42	-13	PASS
Band4	1413	1000~20000MHz	7889.4	-37.16	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-86.46	-43	PASS
Band4	1513	0.15~30MHz	1.15	-68.71	-23	PASS
Band4	1513	30~1000MHz	559.65	-45.64	-13	PASS
Band4	1513	1000~20000MHz	7928.67	-36.96	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-85.67	-33	PASS
Band5	4132	0.15~30MHz	9.73	-69.27	-13	PASS
Band5	4132	30~1000MHz	642.17	-54.38	-13	PASS
Band5	4132	1000~10000MHz	7082.15	-38.93	-13	PASS
Band5	4182	0.009~0.15MHz	0.02	-86.54	-33	PASS
Band5	4182	0.15~30MHz	2.3	-68.68	-13	PASS
Band5	4182	30~1000MHz	609.12	-54.6	-13	PASS
Band5	4182	1000~10000MHz	7186.24	-38.69	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-85.41	-33	PASS
Band5	4233	0.15~30MHz	14.07	-68.29	-13	PASS
Band5	4233	30~1000MHz	547.53	-53.72	-13	PASS
Band5	4233	1000~10000MHz	7078.85	-38.88	-13	PASS

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	4	0.15~30MHz	1.67	-68.42	-23	PASS
Band2	9262	4	30~1000MHz	549.43	-45.05	-13	PASS
Band2	9262	4	1000~20000MHz	7904.6	-36.9	-13	PASS
Band2	9262	4	0.009~0.15MHz	0.01	-86.49	-43	PASS
Band2	9400	4	0.009~0.15MHz	0.01	-86.95	-43	PASS
Band2	9400	4	0.15~30MHz	0.3	-67.84	-23	PASS
Band2	9400	4	30~1000MHz	455.32	-45.14	-13	PASS
Band2	9400	4	1000~20000MHz	7124.33	-37.11	-13	PASS

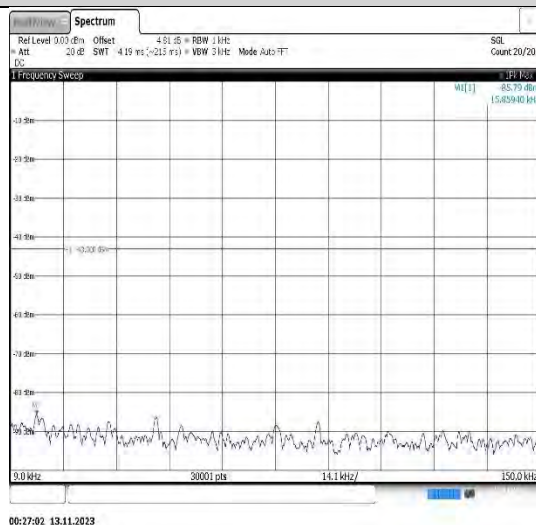
Band2	9538	4	0.009~0.15MHz	0.01	-86.09	-43	PASS
Band2	9538	4	1000~20000MHz	7013.5	-36.87	-13	PASS
Band2	9538	4	0.15~30MHz	2.27	-68.46	-23	PASS
Band2	9538	4	30~1000MHz	962.28	-45.42	-13	PASS
Band4	1312	4	0.009~0.15MHz	0.01	-86.47	-43	PASS
Band4	1312	4	0.15~30MHz	27.74	-69.13	-23	PASS
Band4	1312	4	30~1000MHz	905.25	-45.38	-13	PASS
Band4	1312	4	1000~20000MHz	7102.8	-36.54	-13	PASS
Band4	1413	4	0.15~30MHz	14.08	-68.18	-23	PASS
Band4	1413	4	30~1000MHz	558.42	-45.23	-13	PASS
Band4	1413	4	1000~20000MHz	6931.8	-36.77	-13	PASS
Band4	1413	4	0.009~0.15MHz	0.08	-86.64	-43	PASS
Band4	1513	4	0.009~0.15MHz	0.01	-87.3	-43	PASS
Band4	1513	4	0.15~30MHz	0.55	-68.01	-23	PASS
Band4	1513	4	30~1000MHz	976.54	-45.69	-13	PASS
Band4	1513	4	1000~20000MHz	7131.3	-36.64	-13	PASS
Band5	4132	4	30~1000MHz	553.99	-54.55	-13	PASS
Band5	4132	4	1000~10000MHz	7027.85	-38.85	-13	PASS
Band5	4132	4	0.15~30MHz	0.2	-68.74	-13	PASS
Band5	4132	4	0.009~0.15MHz	0.02	-86.94	-33	PASS
Band5	4182	4	0.15~30MHz	13.86	-67.53	-13	PASS
Band5	4182	4	30~1000MHz	529.81	-54.04	-13	PASS
Band5	4182	4	1000~10000MHz	7967.12	-38.72	-13	PASS
Band5	4182	4	0.009~0.15MHz	0.01	-86.69	-33	PASS
Band5	4233	4	1000~10000MHz	7158.64	-38.74	-13	PASS
Band5	4233	4	0.009~0.15MHz	0.01	-86.31	-33	PASS
Band5	4233	4	0.15~30MHz	0.25	-68.89	-13	PASS
Band5	4233	4	30~1000MHz	534.46	-54.71	-13	PASS

Band	Channel	SubTest	Frequency Range (MHz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	5	0.15~30MHz	10.46	-68.33	-23	PASS
Band2	9262	5	30~1000MHz	668.42	-45.55	-13	PASS
Band2	9262	5	1000~20000MHz	7017.93	-37.45	-13	PASS
Band2	9262	5	0.009~0.15MHz	0.02	-86.44	-43	PASS
Band2	9400	5	0.009~0.15MHz	0.02	-86.52	-43	PASS
Band2	9400	5	0.15~30MHz	0.54	-68.06	-23	PASS
Band2	9400	5	30~1000MHz	901.79	-45.85	-13	PASS
Band2	9400	5	1000~20000MHz	6974.23	-37.23	-13	PASS
Band2	9538	5	0.009~0.15MHz	0.01	-85.2	-43	PASS
Band2	9538	5	1000~20000MHz	6964.1	-37.13	-13	PASS
Band2	9538	5	0.15~30MHz	9.9	-69.06	-23	PASS
Band2	9538	5	30~1000MHz	965.36	-45.33	-13	PASS
Band4	1312	5	0.009~0.15MHz	0.02	-87.09	-43	PASS
Band4	1312	5	0.15~30MHz	6.03	-69.21	-23	PASS
Band4	1312	5	30~1000MHz	926.53	-45.53	-13	PASS
Band4	1312	5	1000~20000MHz	7913.47	-37.25	-13	PASS
Band4	1413	5	0.15~30MHz	6.61	-68.82	-23	PASS
Band4	1413	5	30~1000MHz	836.12	-45.49	-13	PASS
Band4	1413	5	1000~20000MHz	7032.5	-37.63	-13	PASS
Band4	1413	5	0.009~0.15MHz	0.02	-85.11	-43	PASS

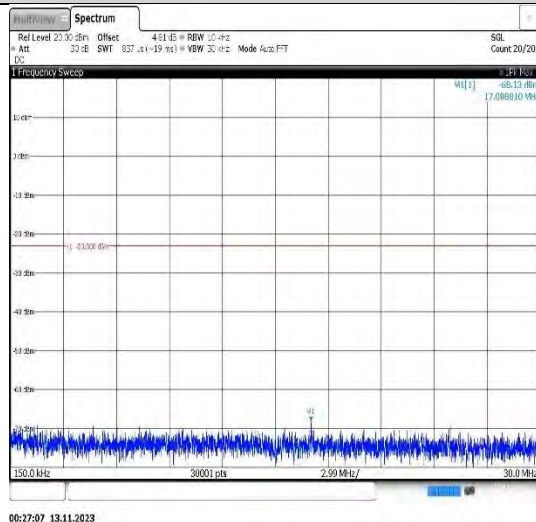
Band4	1513	5	0.009~0.15MHz	0.01	-86.59	-43	PASS
Band4	1513	5	0.15~30MHz	0.29	-69.3	-23	PASS
Band4	1513	5	30~1000MHz	579.02	-46.13	-13	PASS
Band4	1513	5	1000~20000MHz	6926.73	-37.06	-13	PASS
Band5	4132	5	30~1000MHz	489.97	-54.8	-13	PASS
Band5	4132	5	1000~10000MHz	7085.45	-38.61	-13	PASS
Band5	4132	5	0.15~30MHz	0.31	-68.13	-13	PASS
Band5	4132	5	0.009~0.15MHz	0.02	-84.93	-33	PASS
Band5	4182	5	0.15~30MHz	10.17	-67.92	-13	PASS
Band5	4182	5	30~1000MHz	548.63	-53.53	-13	PASS
Band5	4182	5	1000~10000MHz	7046.45	-39.07	-13	PASS
Band5	4182	5	0.009~0.15MHz	0.01	-85.92	-33	PASS
Band5	4233	5	1000~10000MHz	7072.25	-38.85	-13	PASS
Band5	4233	5	0.009~0.15MHz	0.02	-85.23	-33	PASS
Band5	4233	5	0.15~30MHz	0.49	-68.47	-13	PASS
Band5	4233	5	30~1000MHz	481.54	-53.57	-13	PASS

8.5.2. Test Graphs

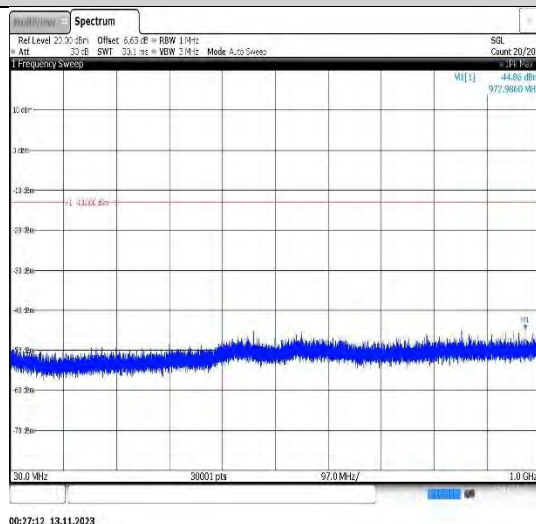
Band2-9262-0.009~0.15MHz



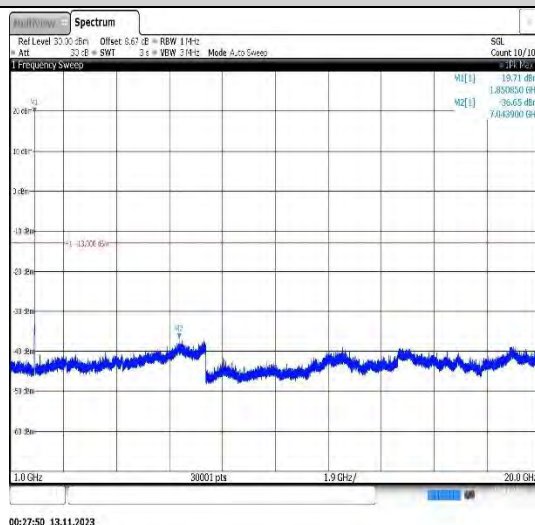
Band2-9262-0.15~30MHz



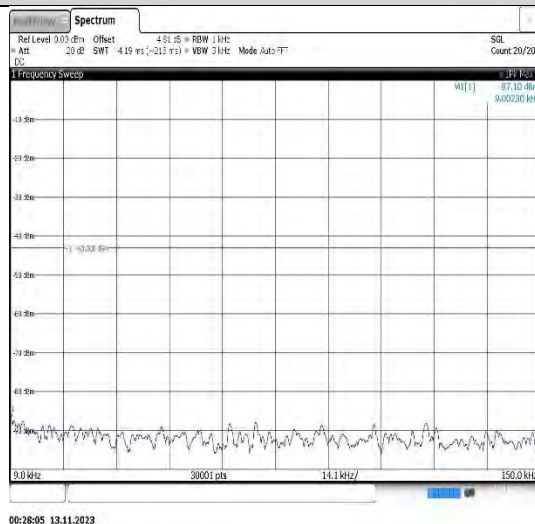
Band2-9262-30~1000MHz



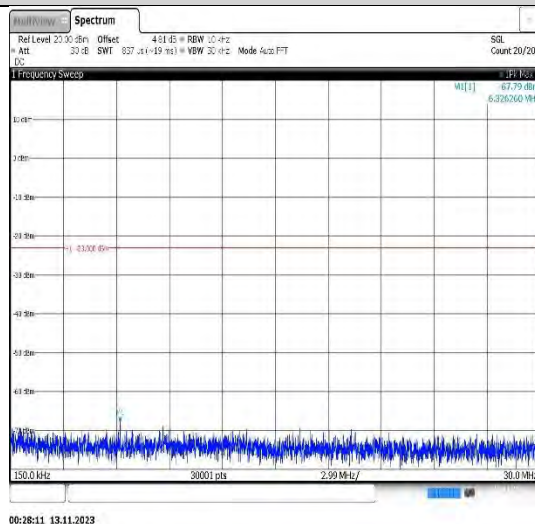
Band2-9262-1000~20000MHz



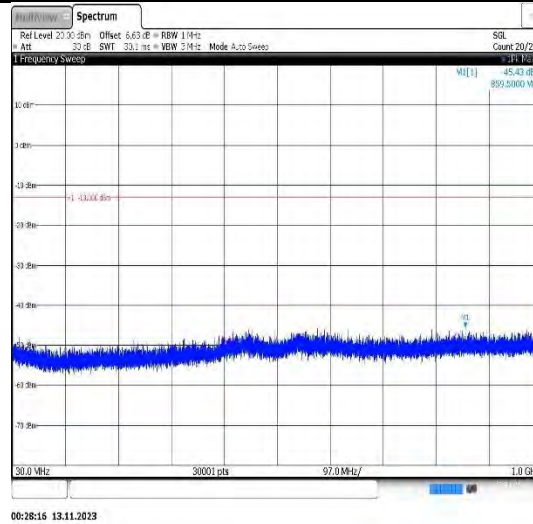
Band2-9400-0.009~0.15MHz



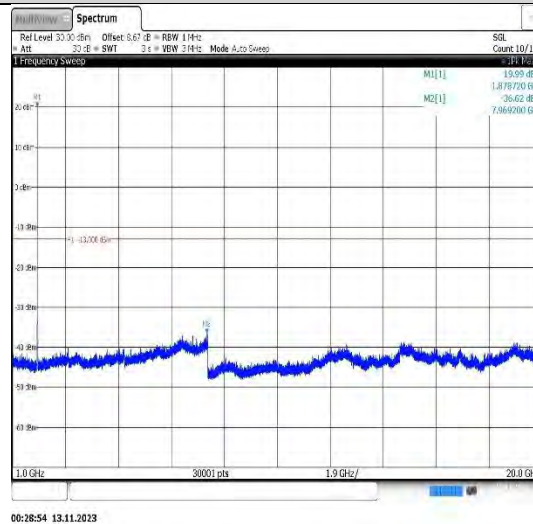
Band2-9400-0.15~30MHz



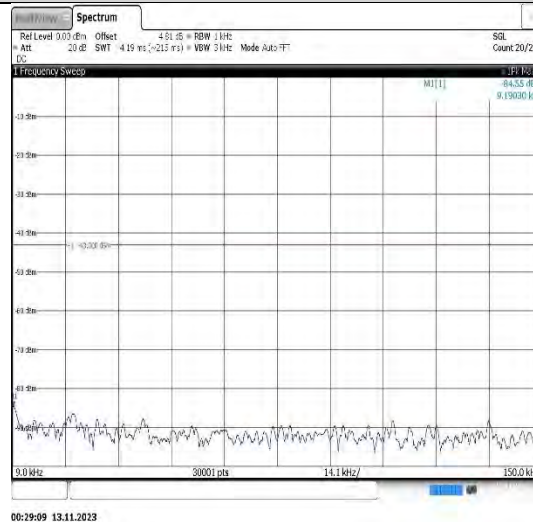
Band2-9400-30~1000MHz



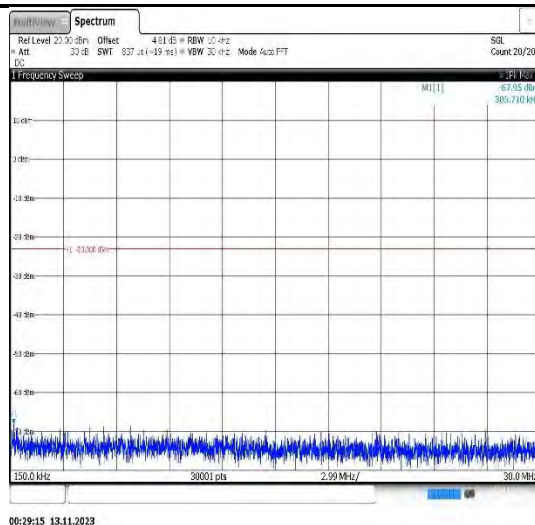
Band2-9400-1000~20000MHz



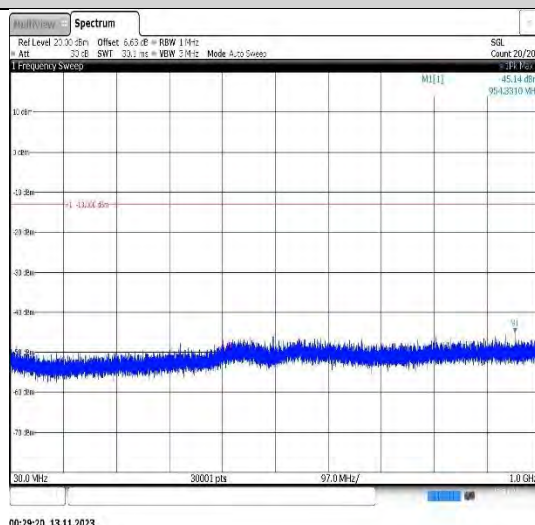
Band2-9538-0.009~0.15MHz



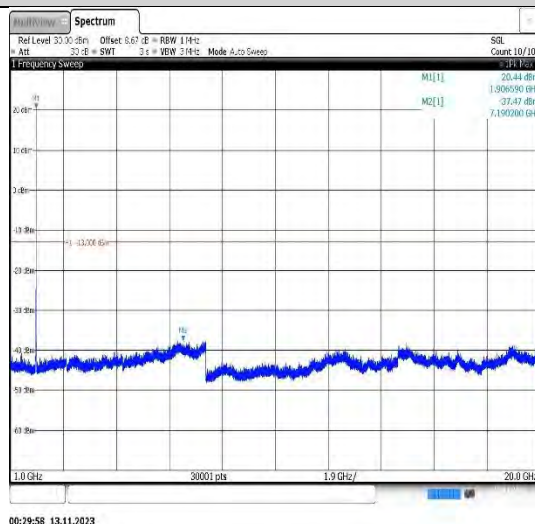
Band2-9538-0.15~30MHz



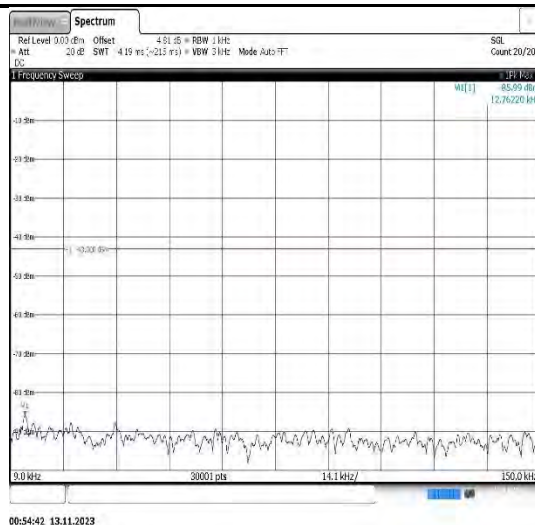
Band2-9538-30~1000MHz



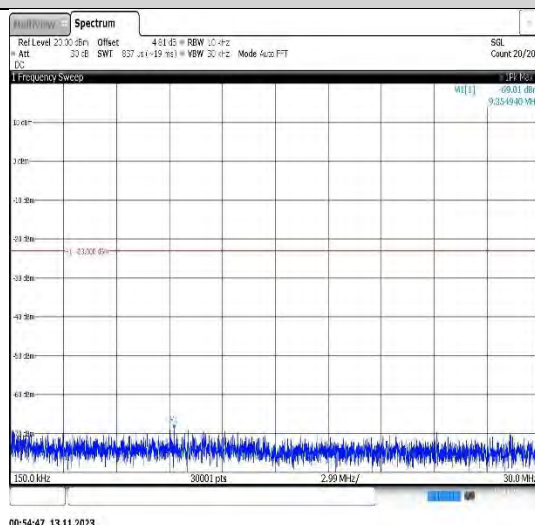
Band2-9538-1000~20000MHz



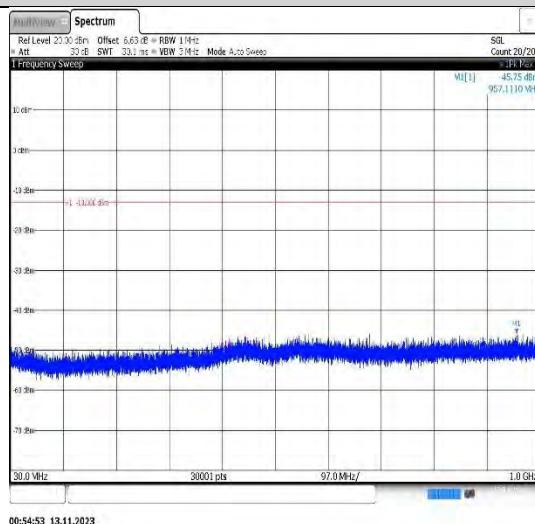
Band4-1312-0.009~0.15MHz



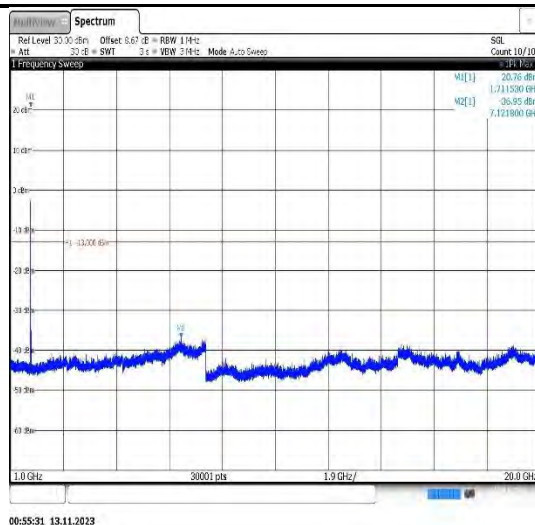
Band4-1312-0.15~30MHz



Band4-1312-30~1000MHz

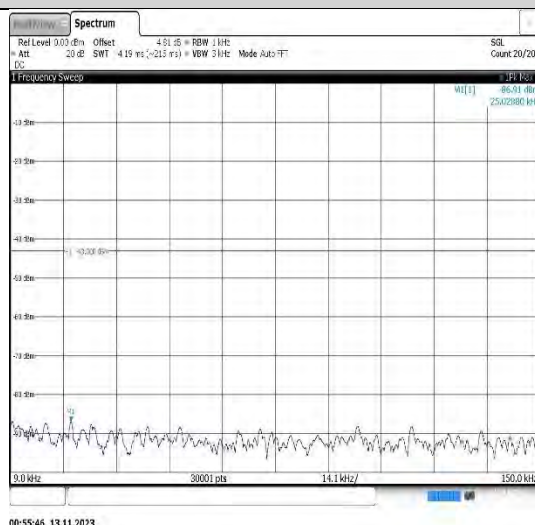


Band4-1312-1000~20000MHz



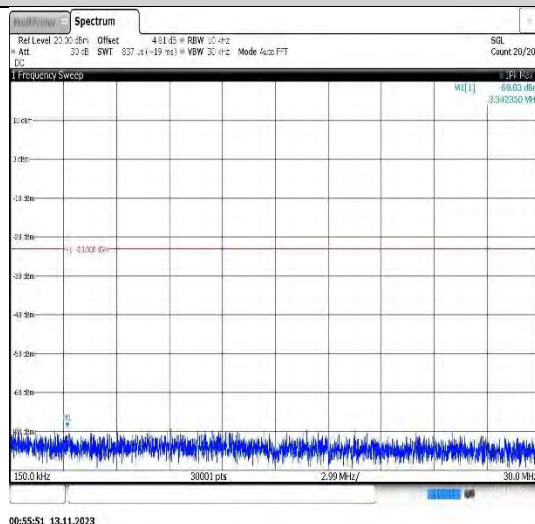
00:55:31 13.11.2023

Band4-1413-0.009~0.15MHz



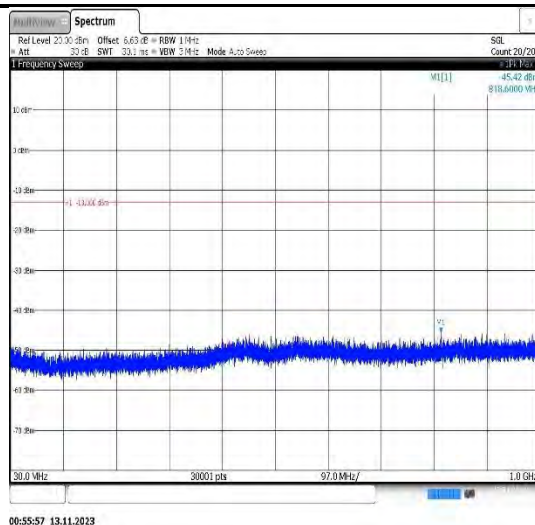
00:55:46 13.11.2023

Band4-1413-0.15~30MHz

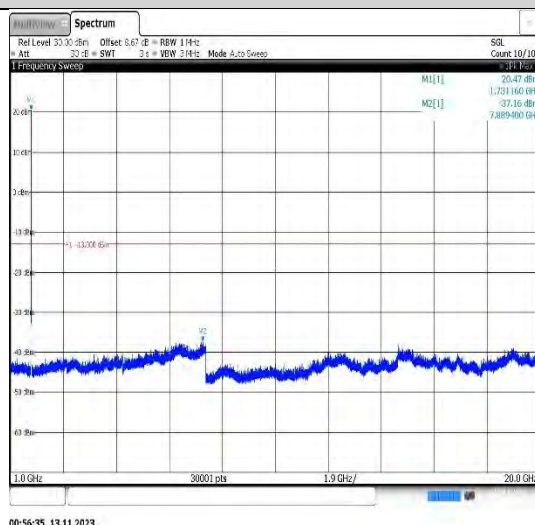


00:55:51 13.11.2023

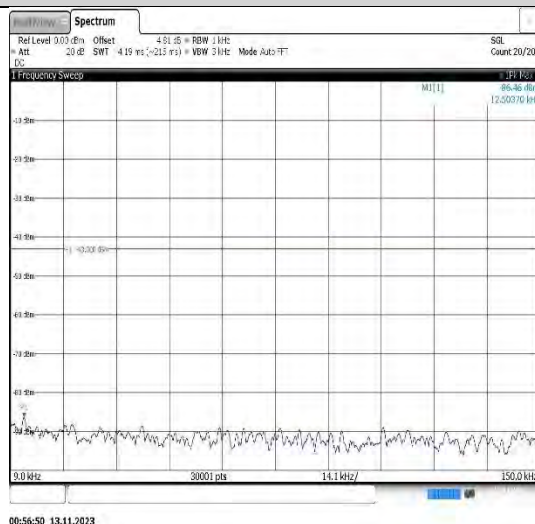
Band4-1413-30~1000MHz



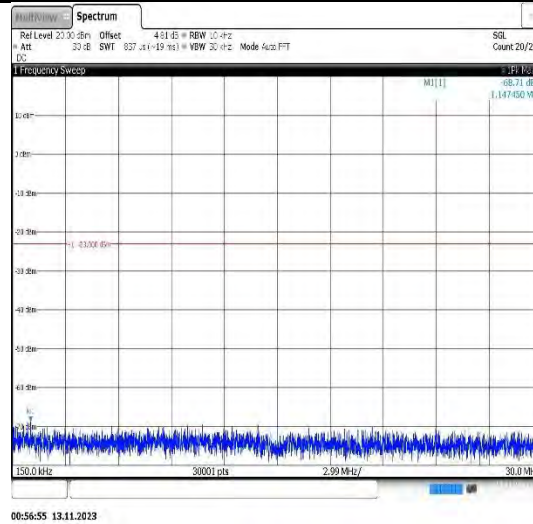
Band4-1413-1000~20000MHz



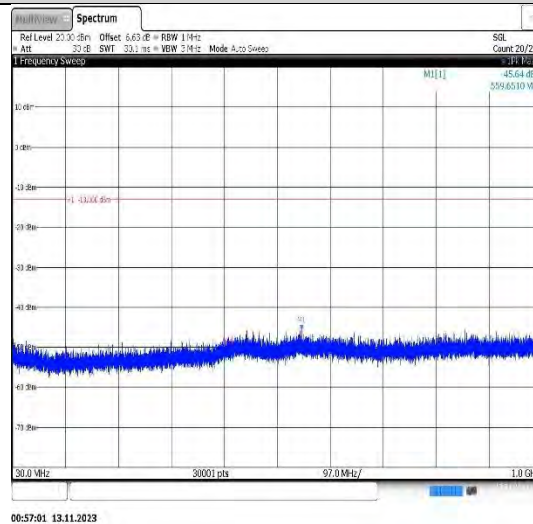
Band4-1513-0.009~0.15MHz



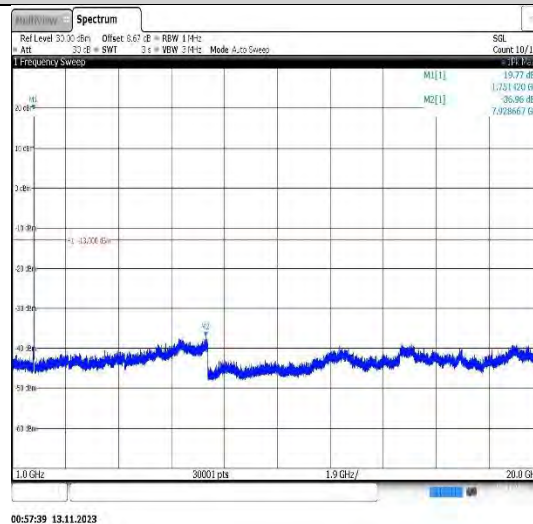
Band4-1513-0.15~30MHz



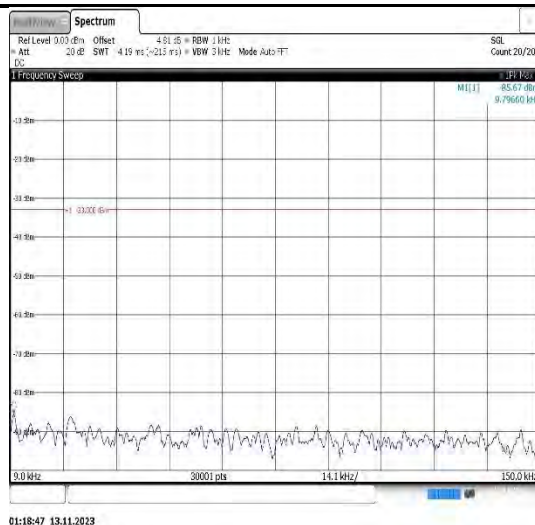
Band4-1513-30~1000MHz



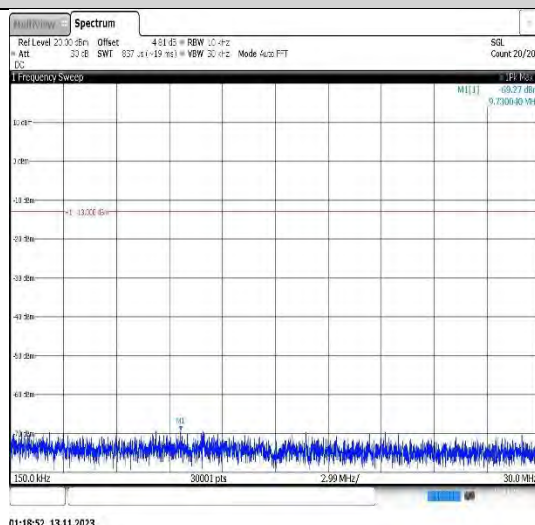
Band4-1513-1000~20000MHz



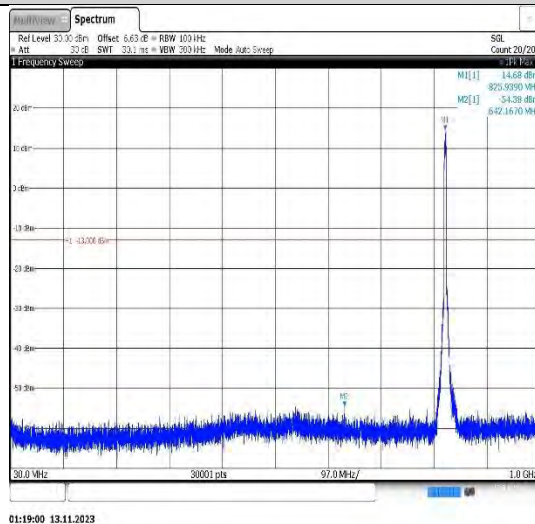
Band5-4132-0.009~0.15MHz



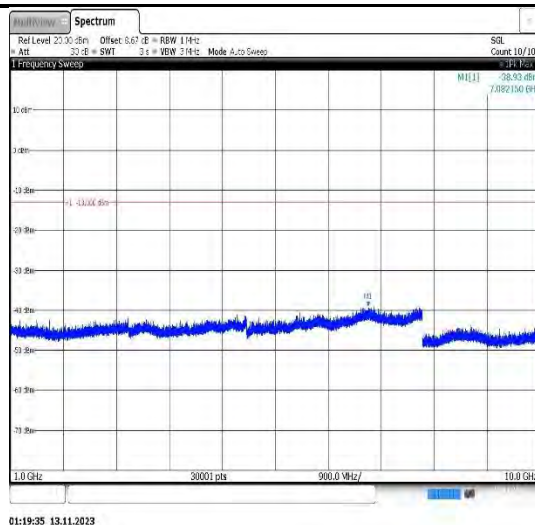
Band5-4132-0.15~30MHz



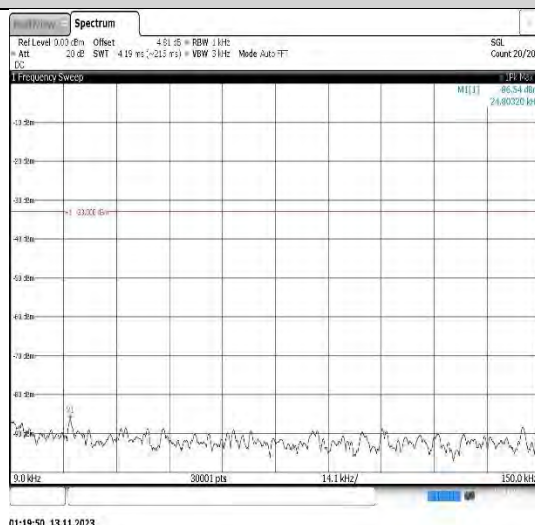
Band5-4132-30~1000MHz



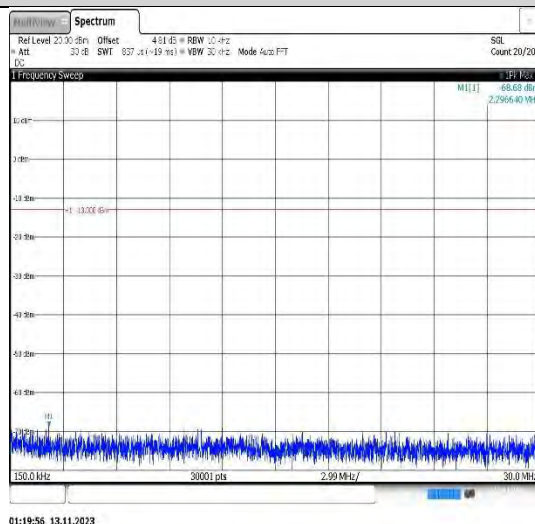
Band5-4132-1000~10000MHz



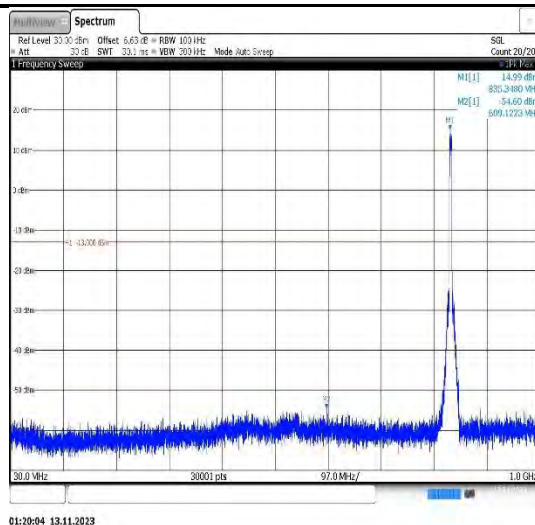
Band5-4182-0.009~0.15MHz



Band5-4182-0.15~30MHz

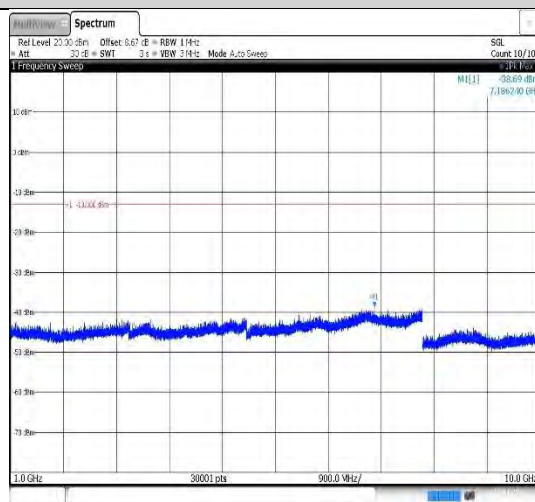


Band5-4182-30~1000MHz



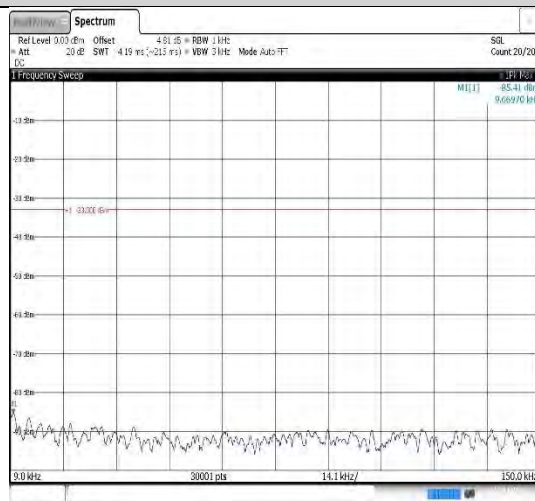
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Band5-4182-1000~10000MHz



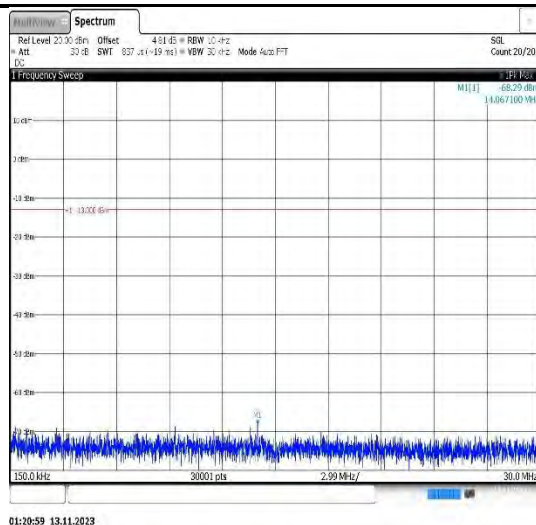
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Band5-4233-0.009~0.15MHz

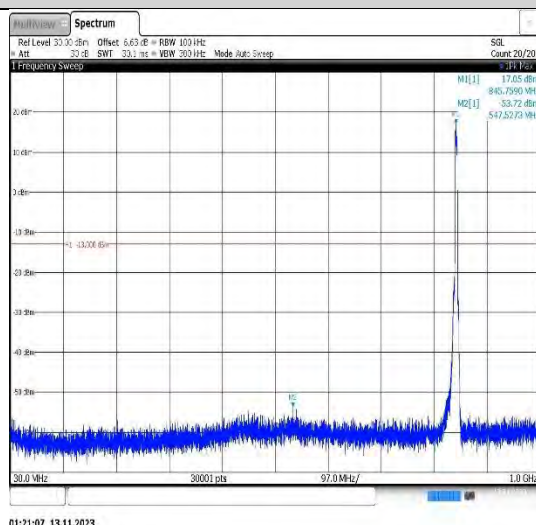


01:20:54 13.11.2023

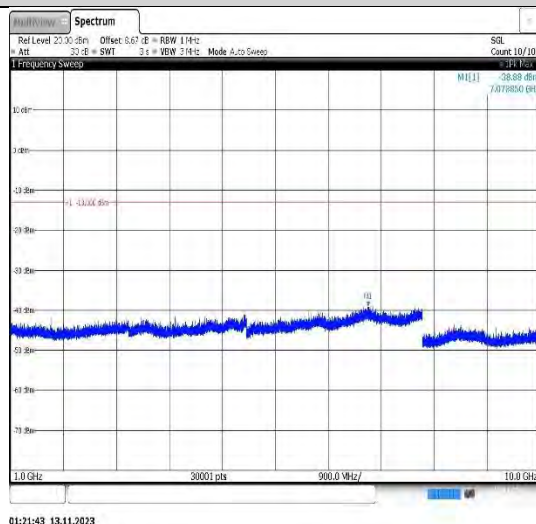
Band5-4233-0.15~30MHz



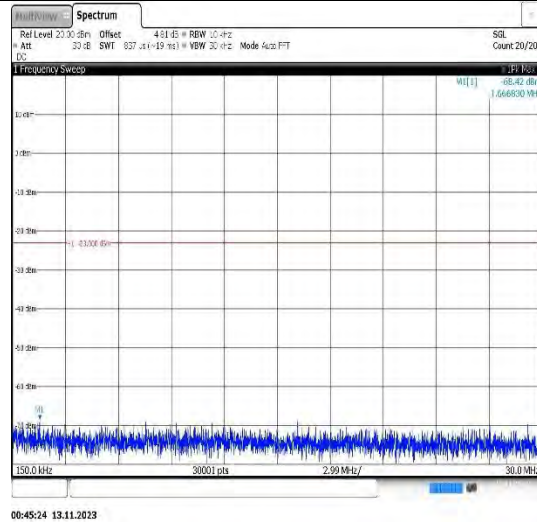
Band5-4233-30~1000MHz



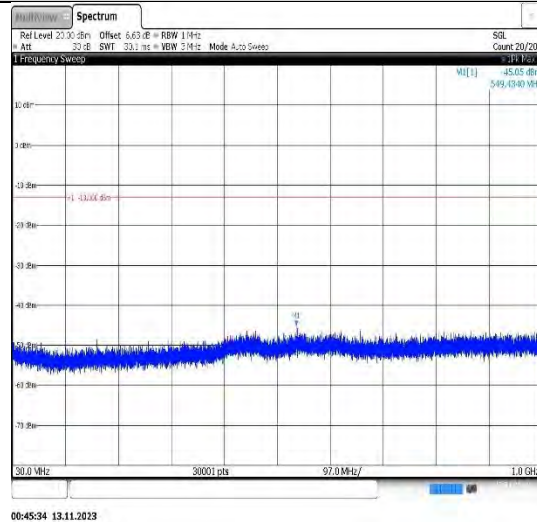
Band5-4233-1000~10000MHz



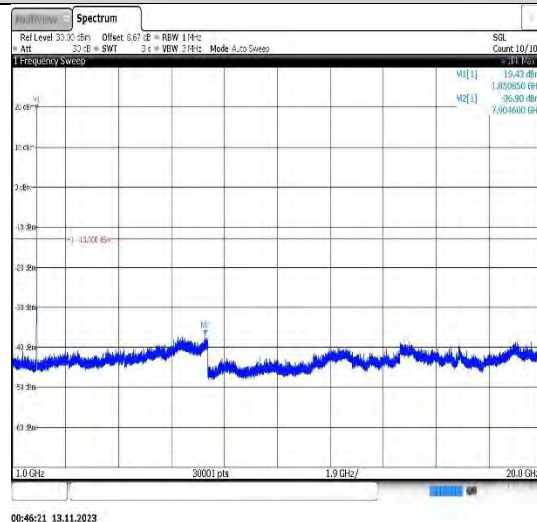
Band2-9262-4-0.15~30MHz



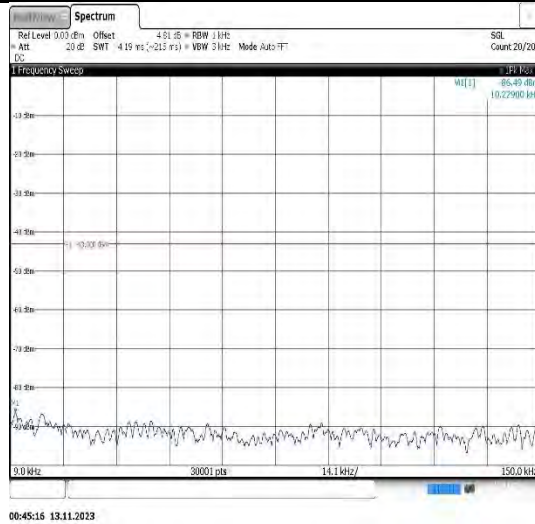
Band2-9262-4-30~1000MHz



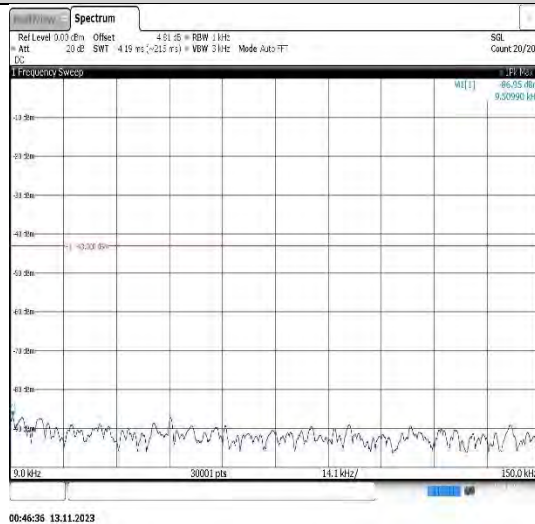
Band2-9262-4-1000~20000MHz



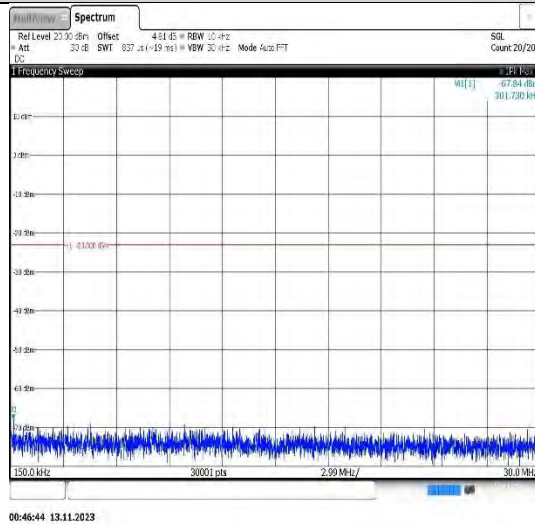
Band2-9262-4-0.009~0.15MHz



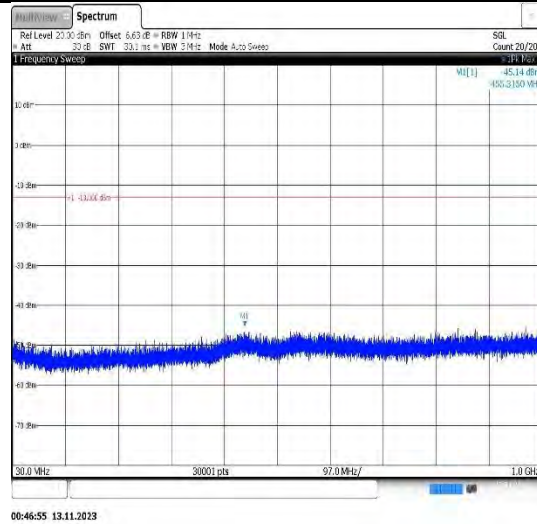
Band2-9400-4-0.009~0.15MHz



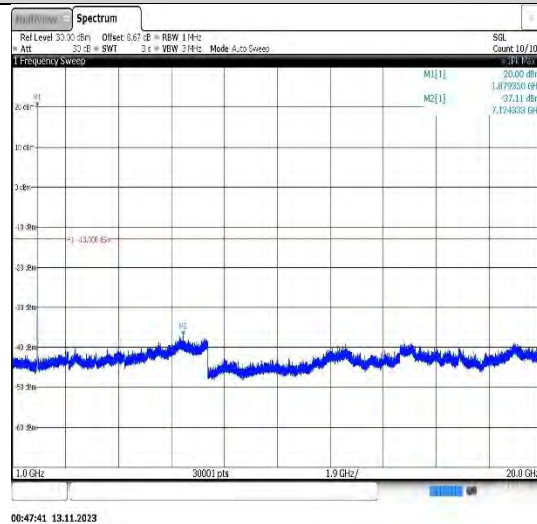
Band2-9400-4-0.15~30MHz



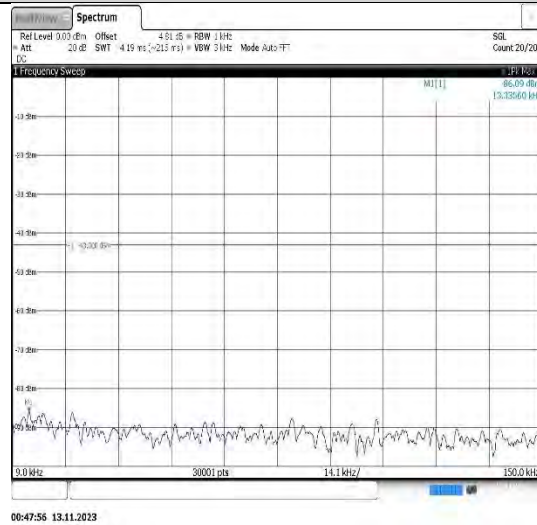
Band2-9400-4-30~1000MHz



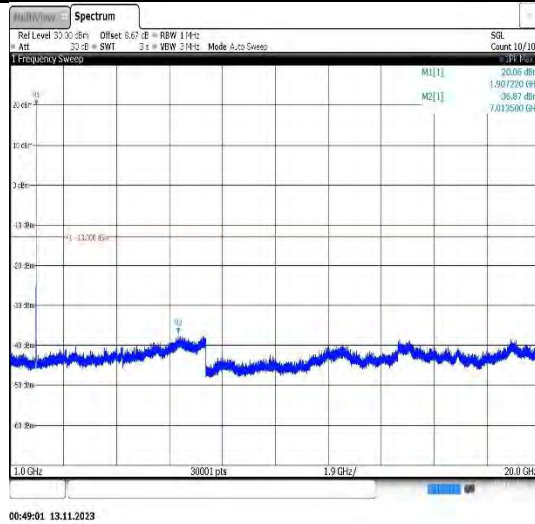
Band2-9400-4-1000~20000MHz



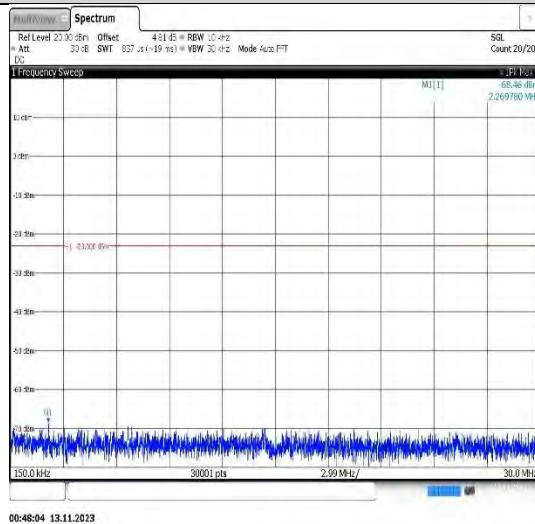
Band2-9538-4-0.009~0.15MHz



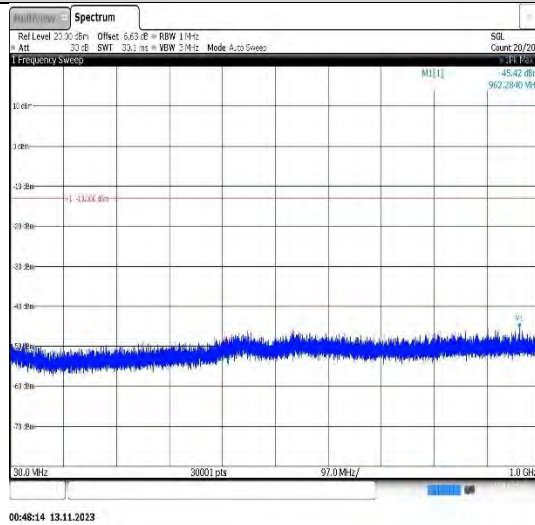
Band2-9538-4-1000~20000MHz



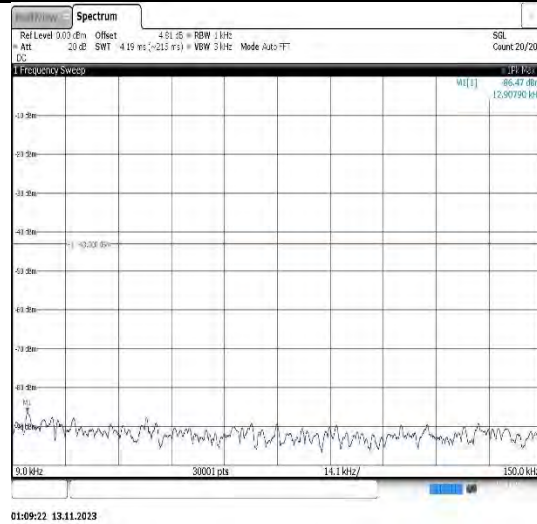
Band2-9538-4-0.15~30MHz



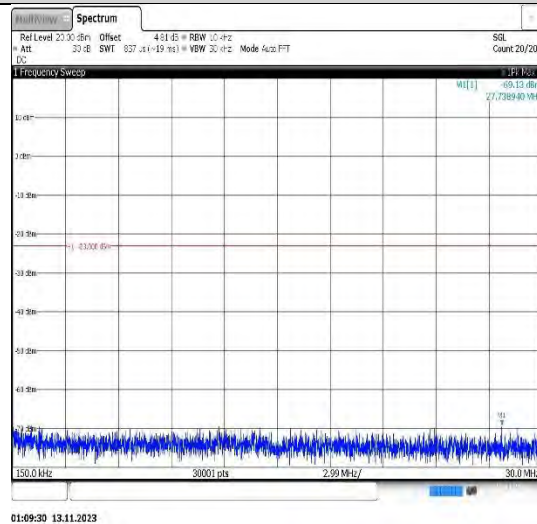
Band2-9538-4-30~1000MHz



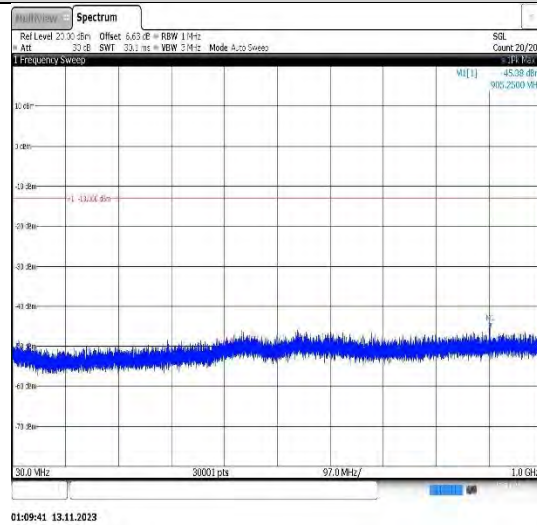
Band4-1312-4-0.009~0.15MHz



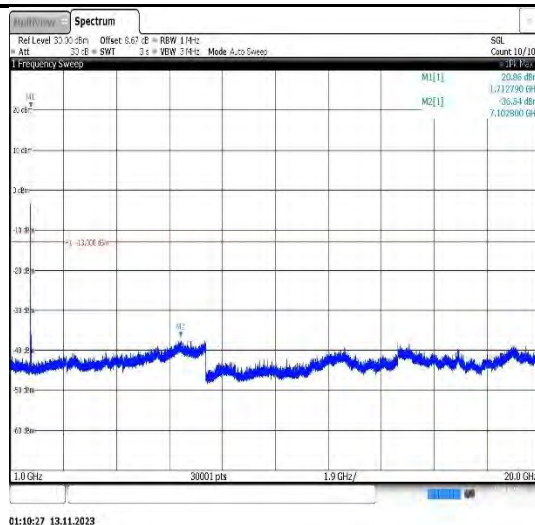
Band4-1312-4-0.15~30MHz



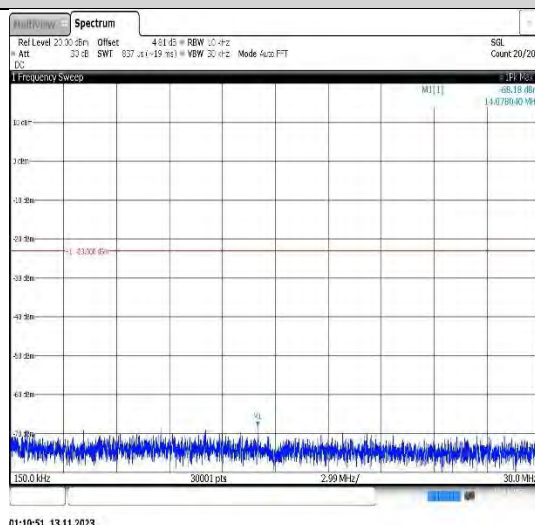
Band4-1312-4-30~1000MHz



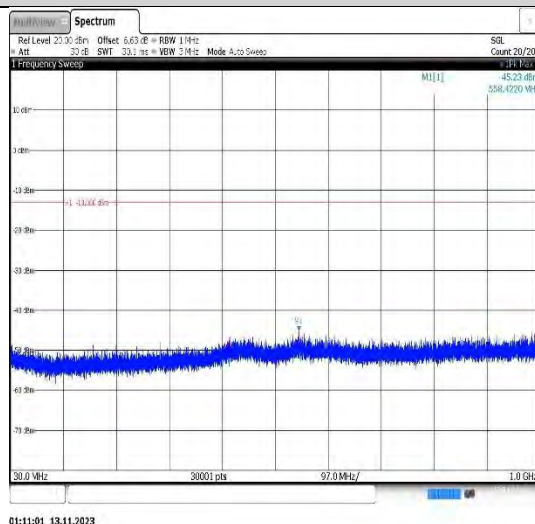
Band4-1312-4-1000~20000MHz



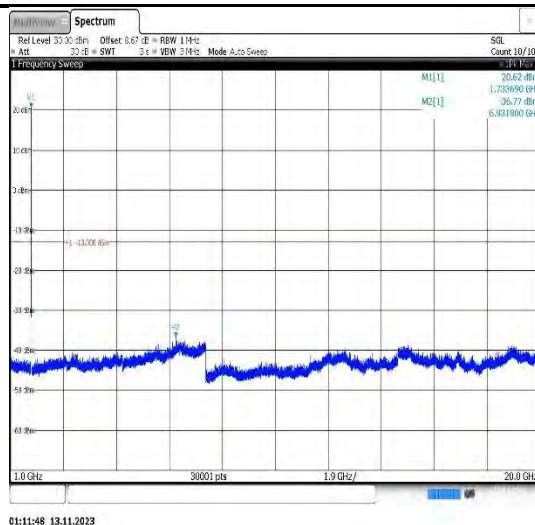
Band4-1413-4-0.15~30MHz



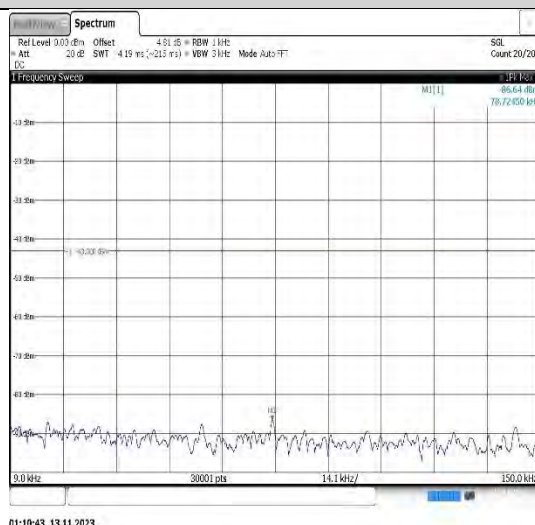
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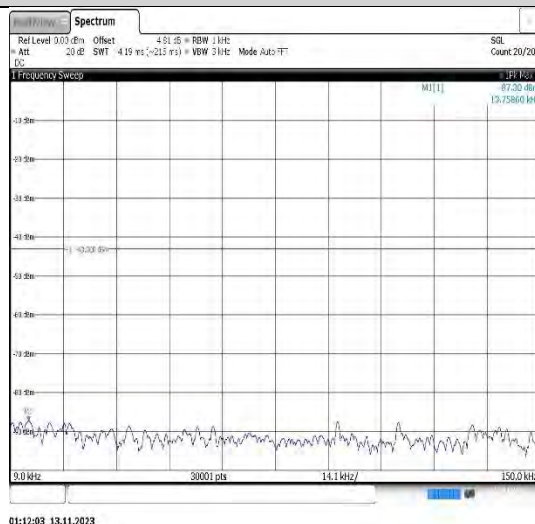
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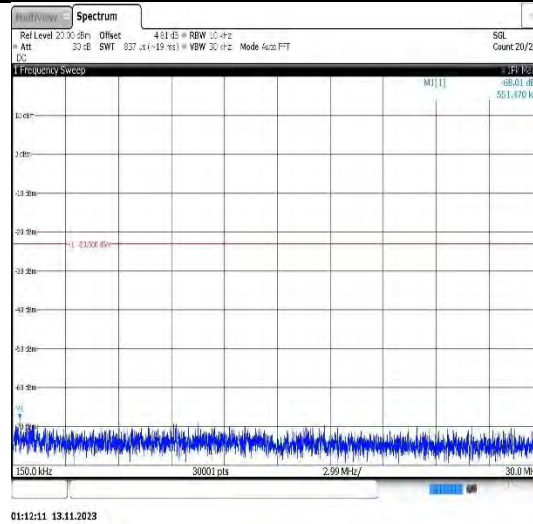
Band4-1413-4-0.009~0.15MHz



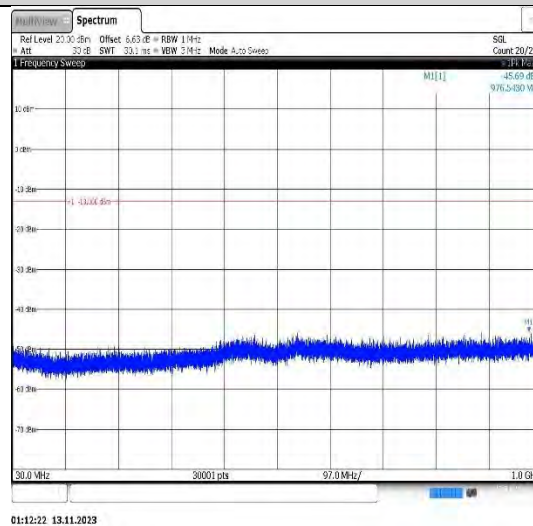
Band4-1513-4-0.009~0.15MHz



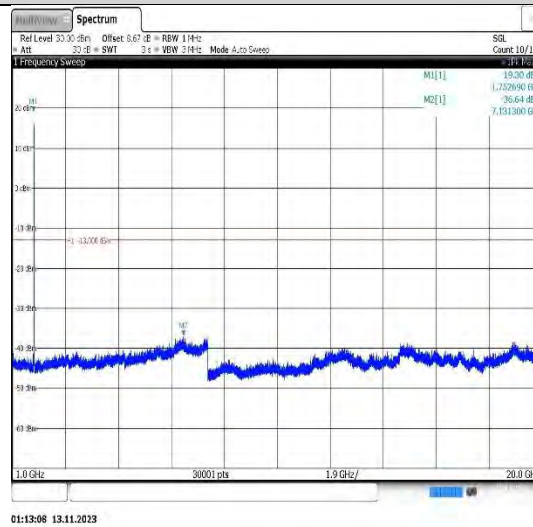
Band4-1513-4-0.15~30MHz



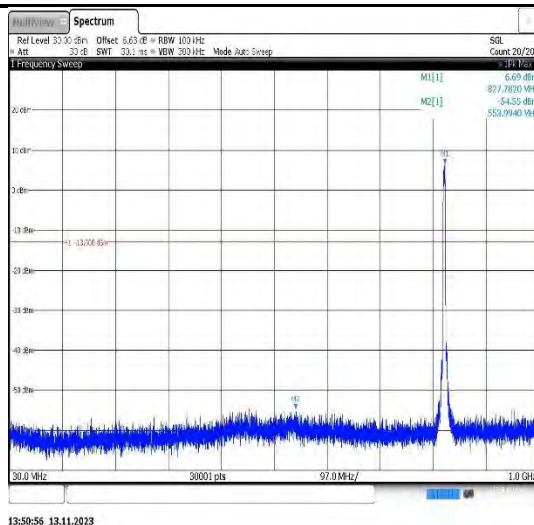
Band4-1513-4-30~1000MHz



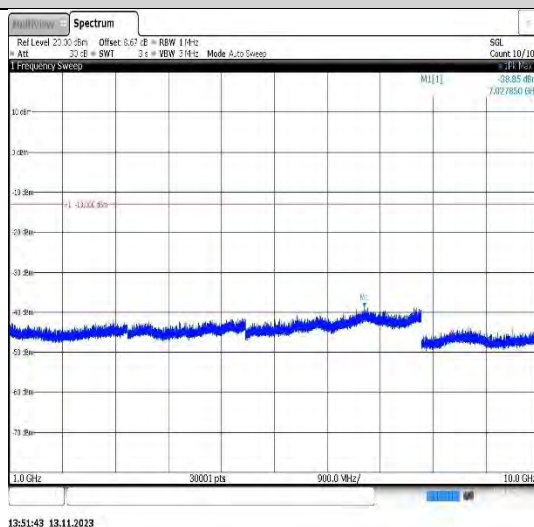
Band4-1513-4-1000~20000MHz



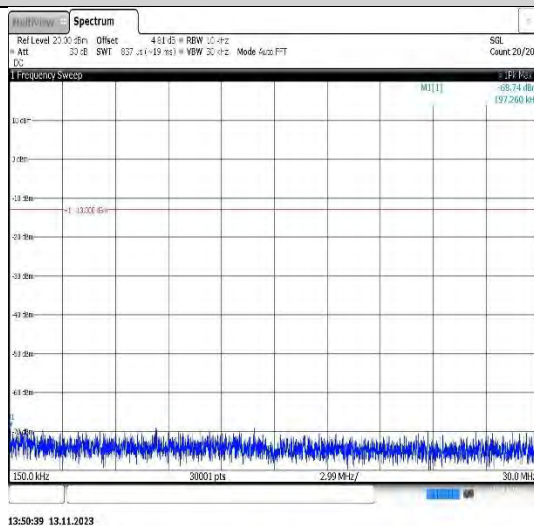
Band5-4132-4-30~1000MHz



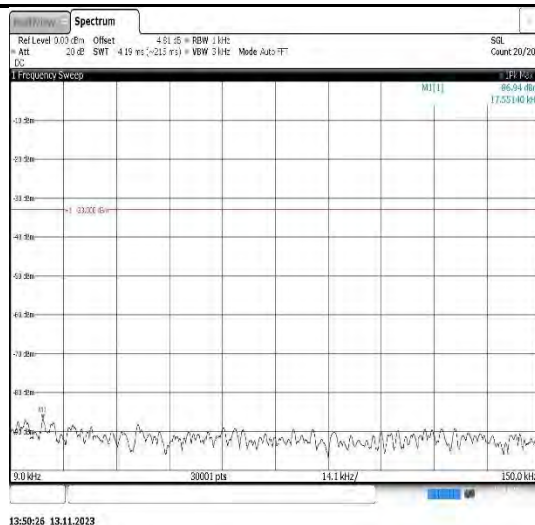
Band5-4132-4-1000~10000MHz



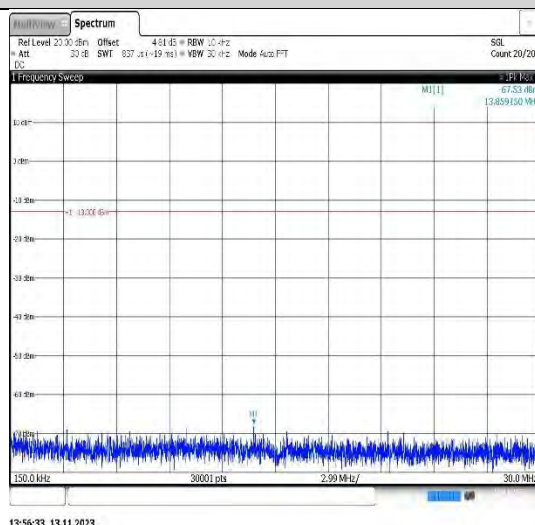
Band5-4132-4-0.15~30MHz



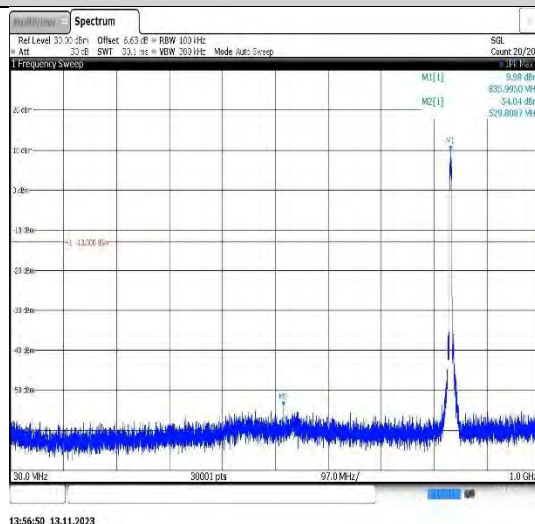
Band5-4132-4-0.009~0.15MHz



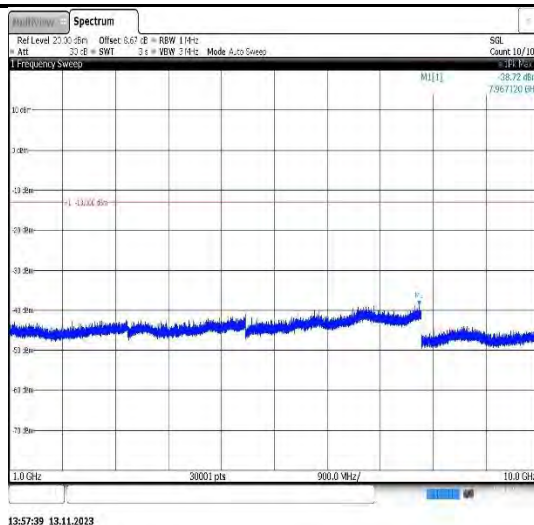
Band5-4182-4-0.15~30MHz



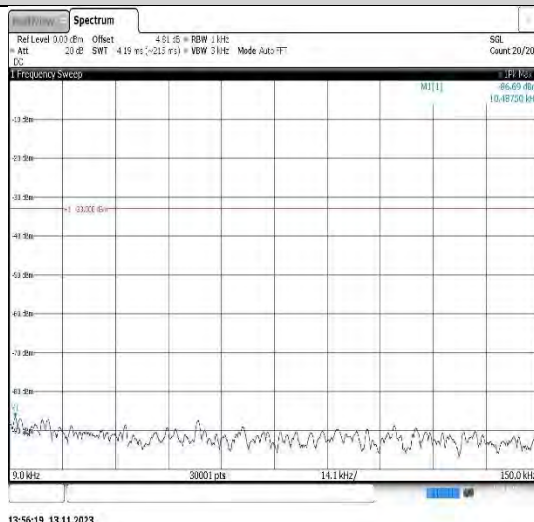
Band5-4182-4-30~1000MHz



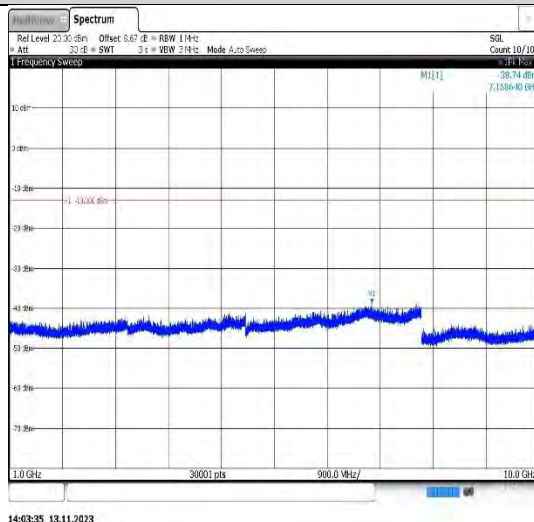
Band5-4182-4-1000~10000MHz



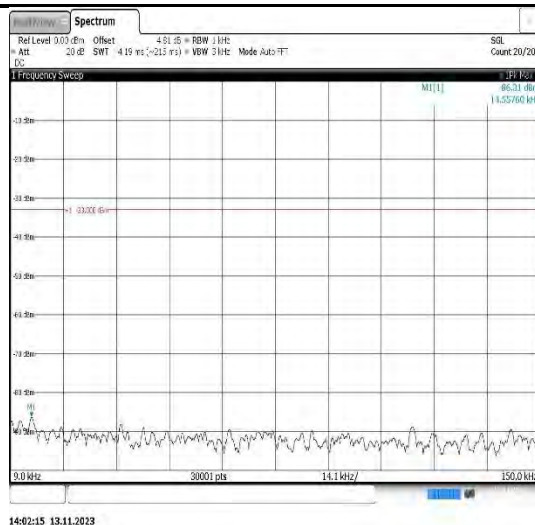
Band5-4182-4-0.009~0.15MHz



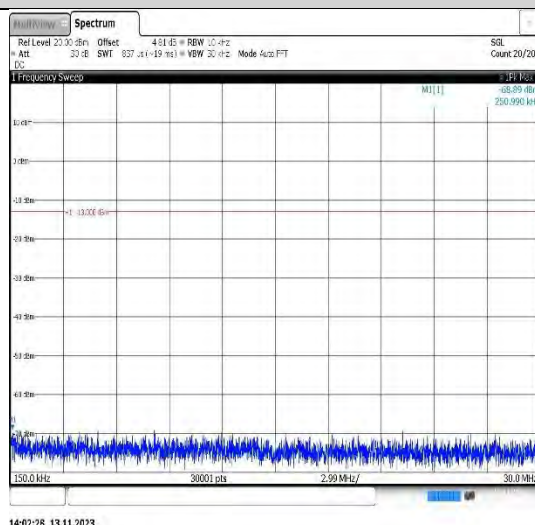
Band5-4233-4-1000~10000MHz



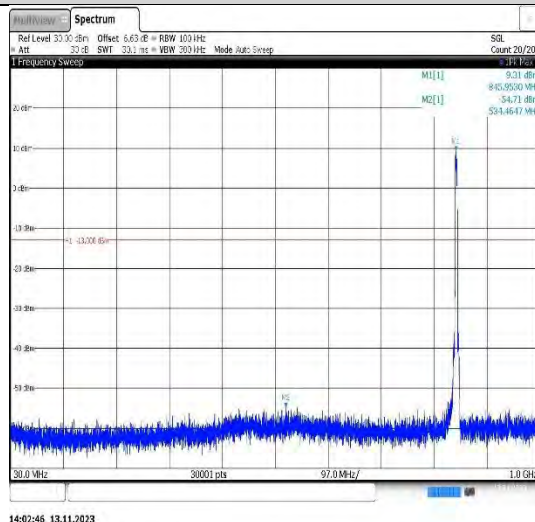
Band5-4233-4-0.009~0.15MHz



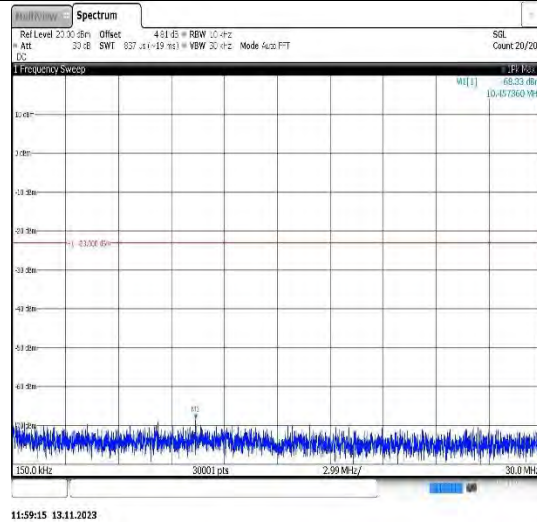
Band5-4233-4-0.15~30MHz



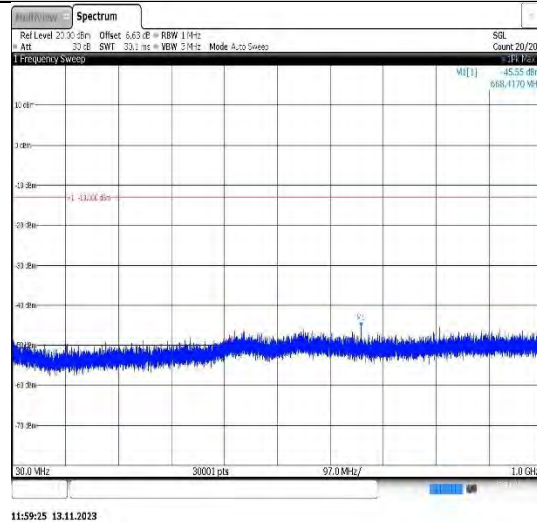
Band5-4233-4-30~1000MHz



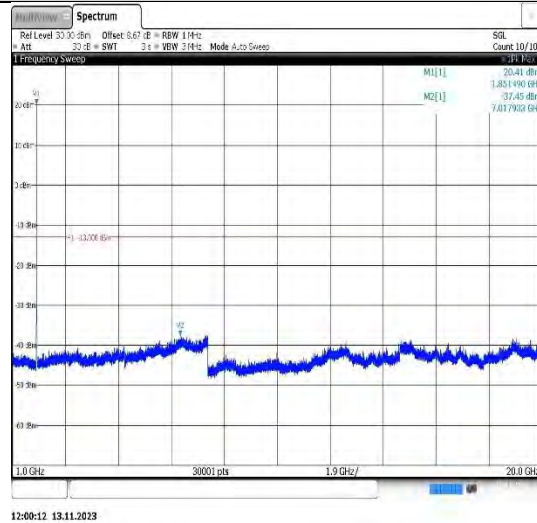
Band2-9262-5-0.15~30MHz



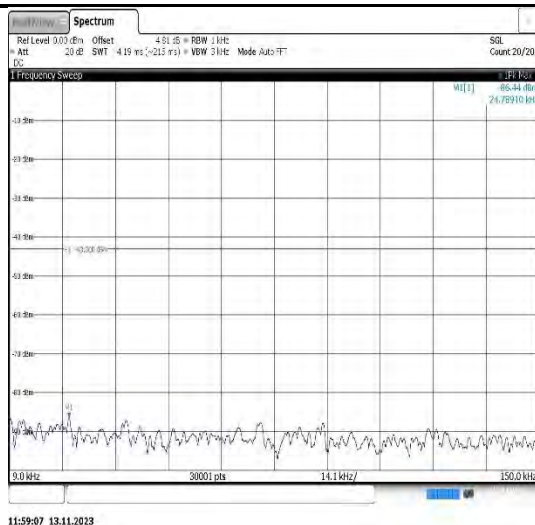
Band2-9262-5-30~1000MHz



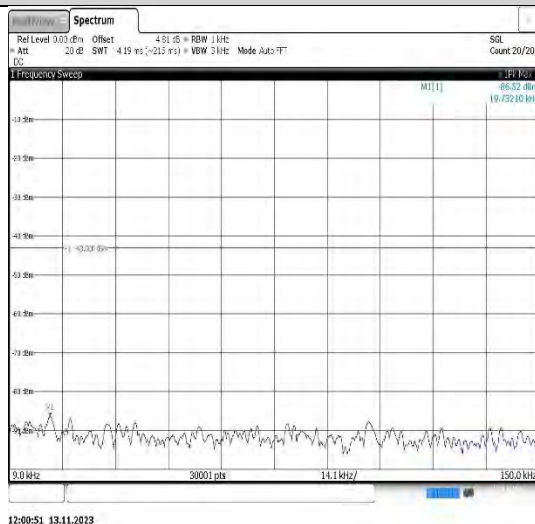
Band2-9262-5-1000~20000MHz



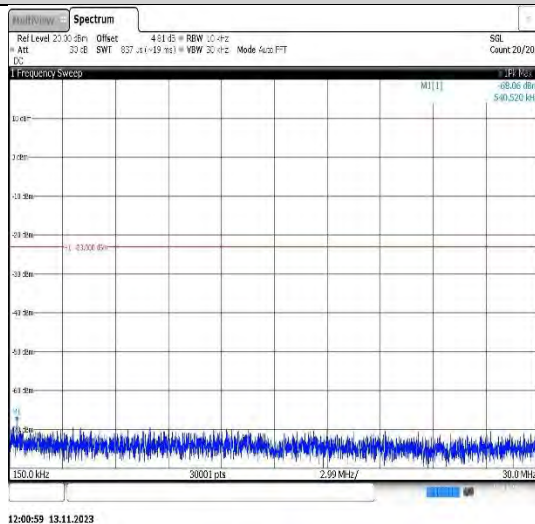
Band2-9262-5-0.009~0.15MHz



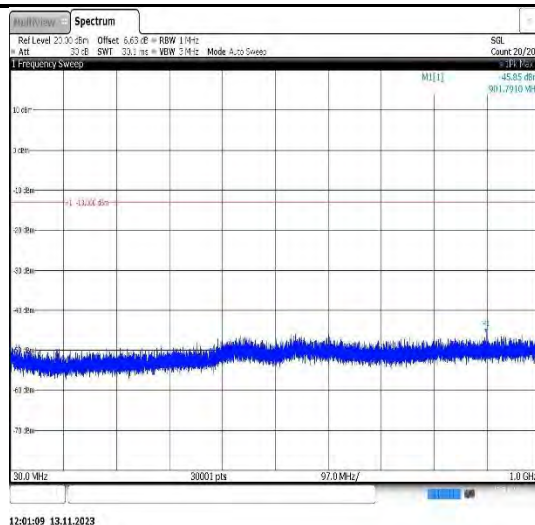
Band2-9400-5-0.009~0.15MHz



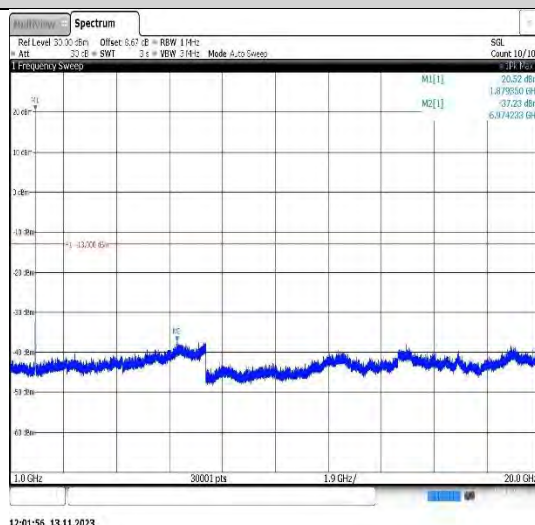
Band2-9400-5-0.15~30MHz



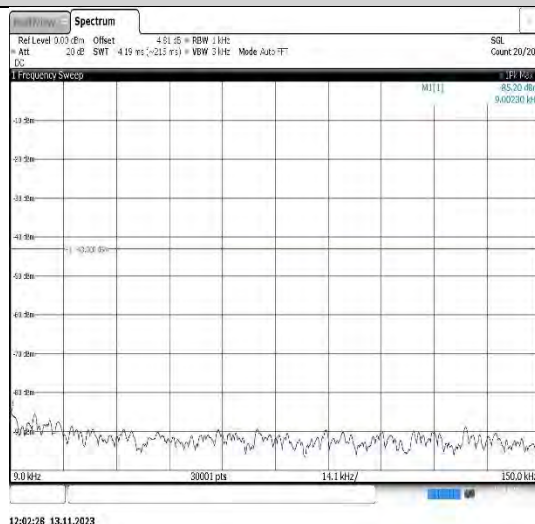
Band2-9400-5-30~1000MHz



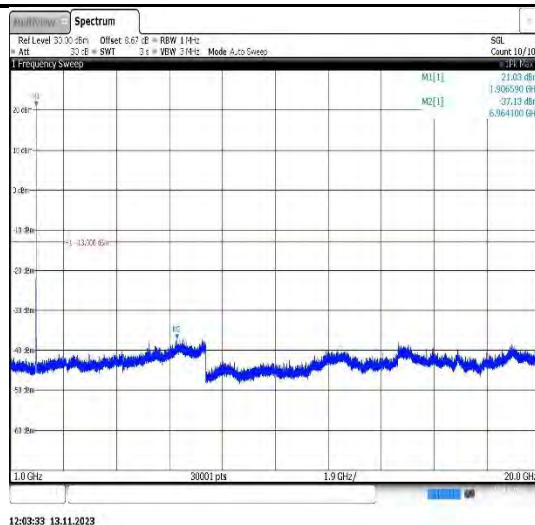
Band2-9400-5-1000~20000MHz



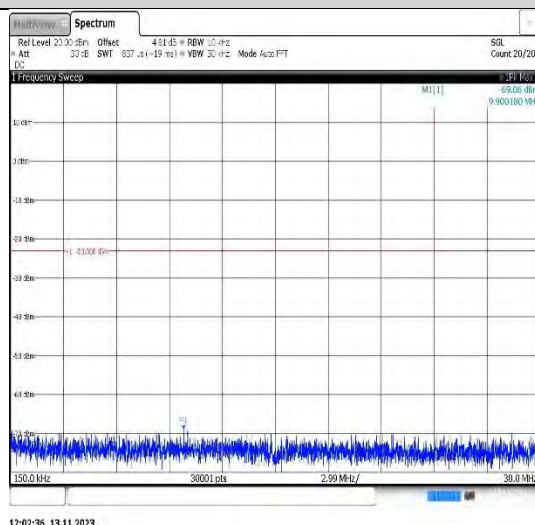
Band2-9538-5-0.009~0.15MHz



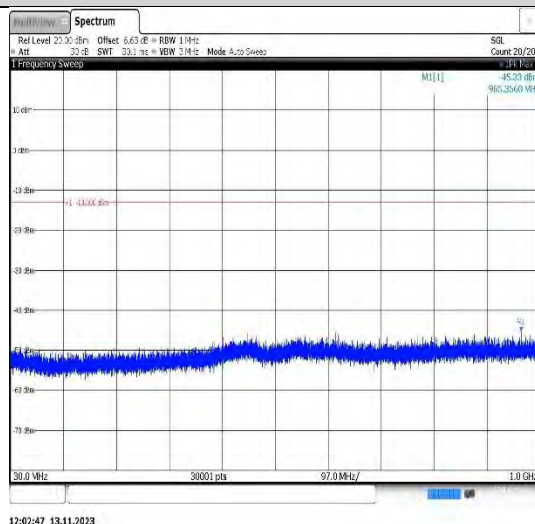
Band2-9538-5-1000~20000MHz



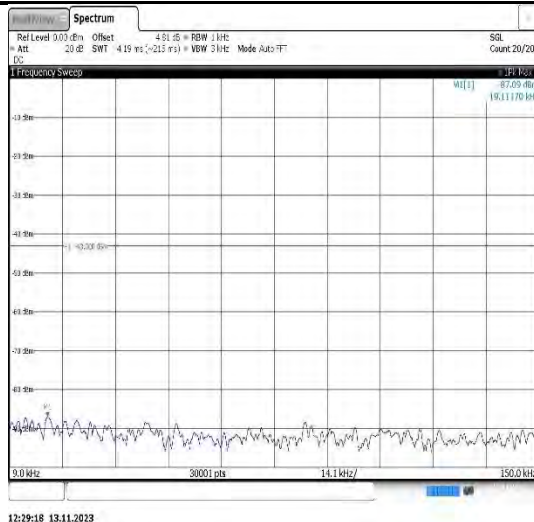
Band2-9538-5-0.15~30MHz



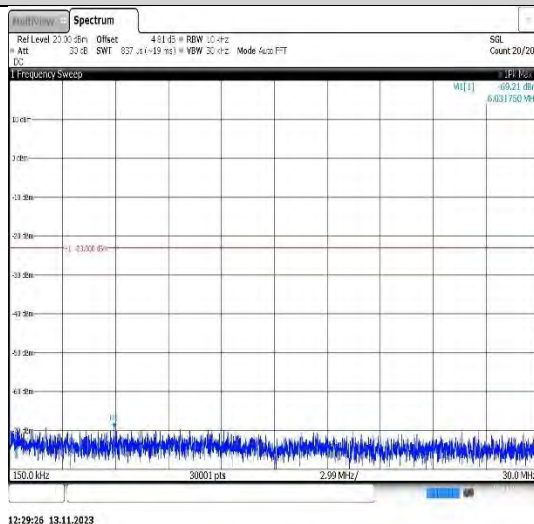
Band2-9538-5-30~1000MHz



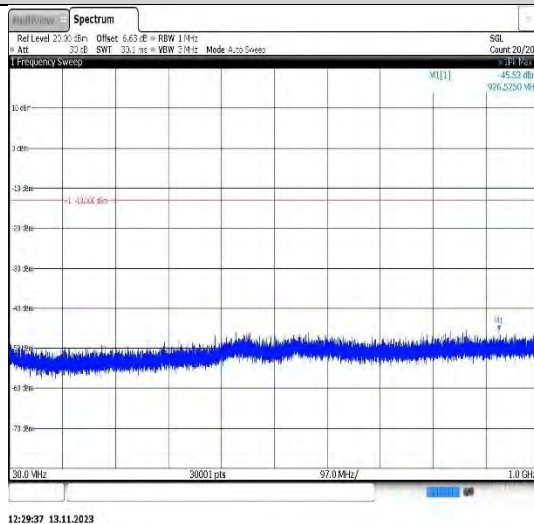
Band4-1312-5-0.009~0.15MHz



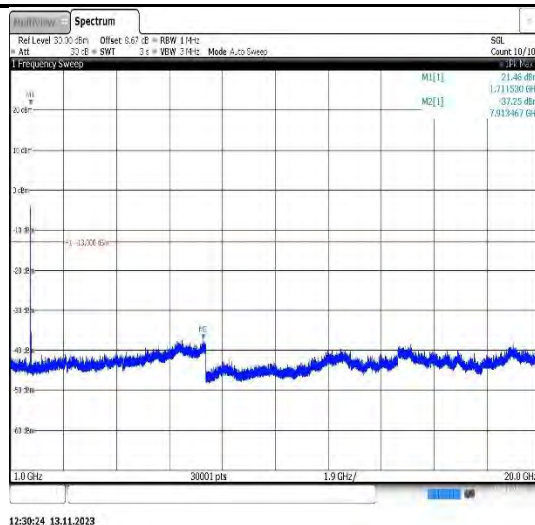
Band4-1312-5-0.15~30MHz



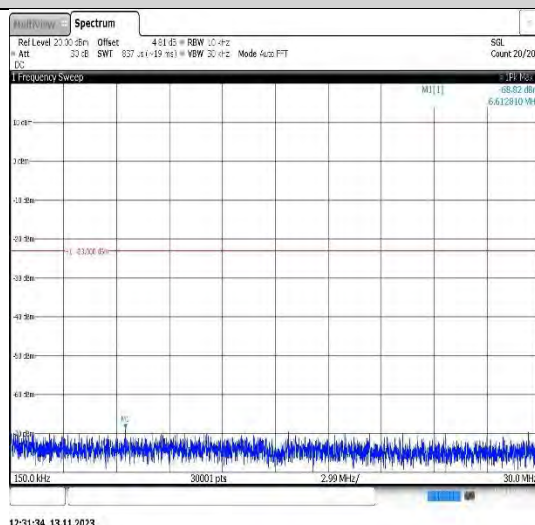
Band4-1312-5-30~1000MHz



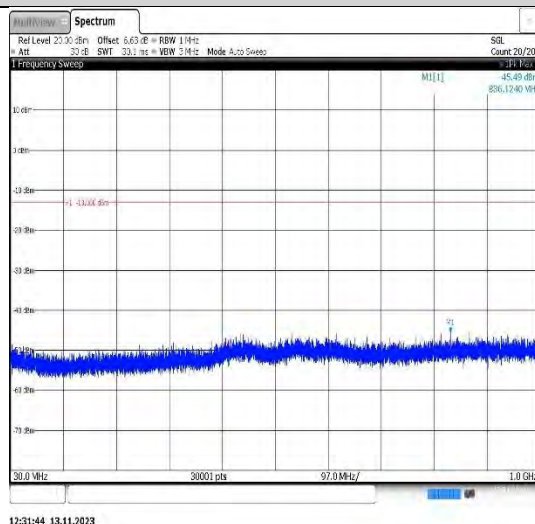
Band4-1312-5-1000~20000MHz



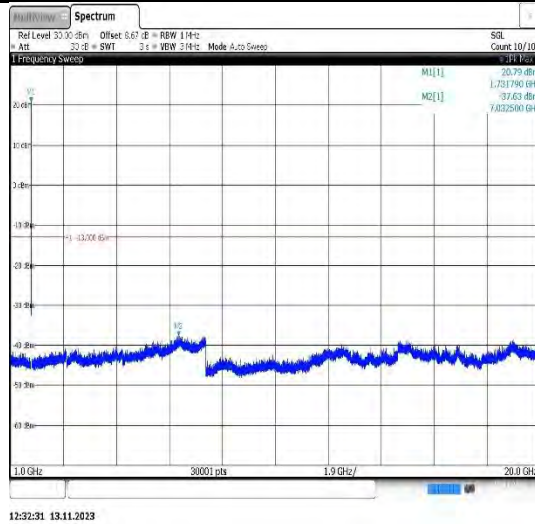
Band4-1413-5-0.15~30MHz



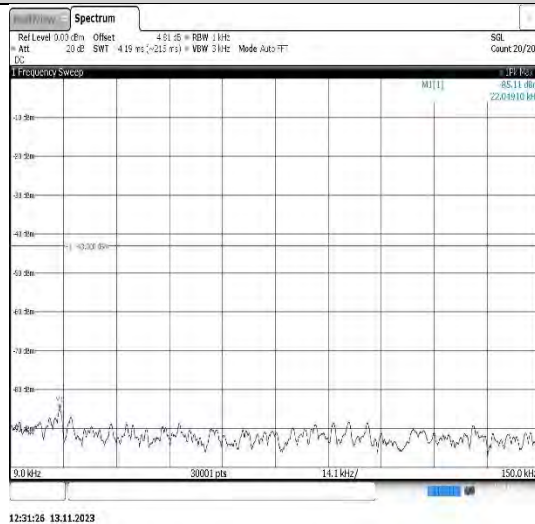
Band4-1413-5-30~1000MHz



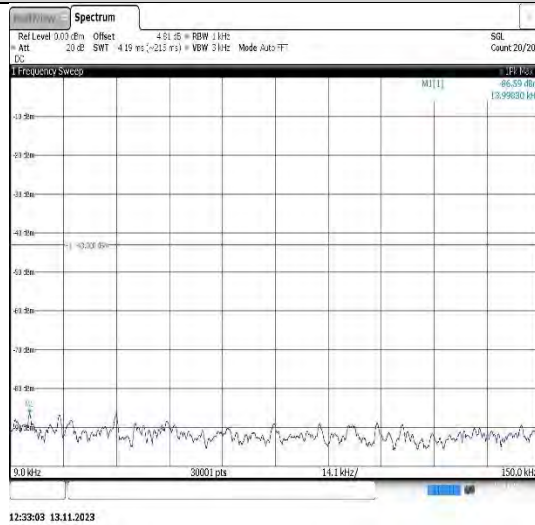
Band4-1413-5-1000~20000MHz



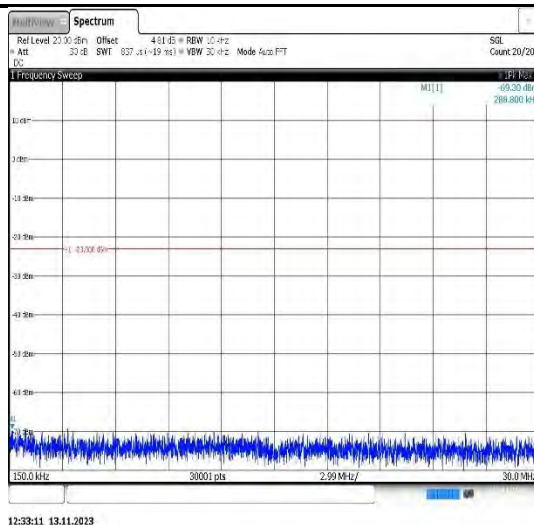
Band4-1413-5-0.009~0.15MHz



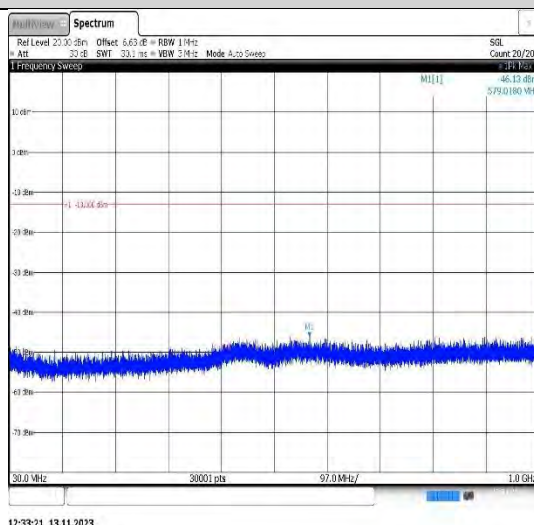
Band4-1513-5-0.009~0.15MHz



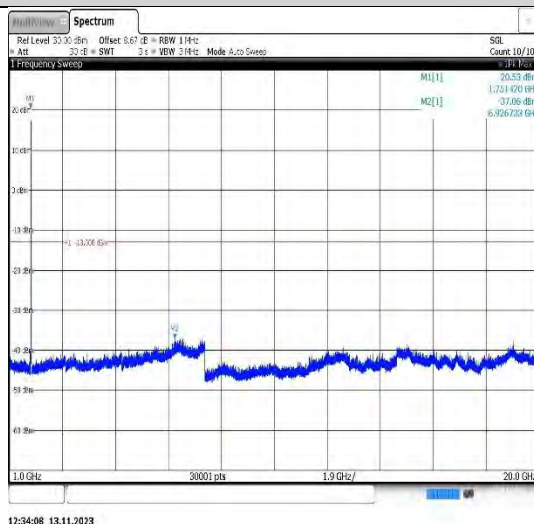
Band4-1513-5-0.15~30MHz



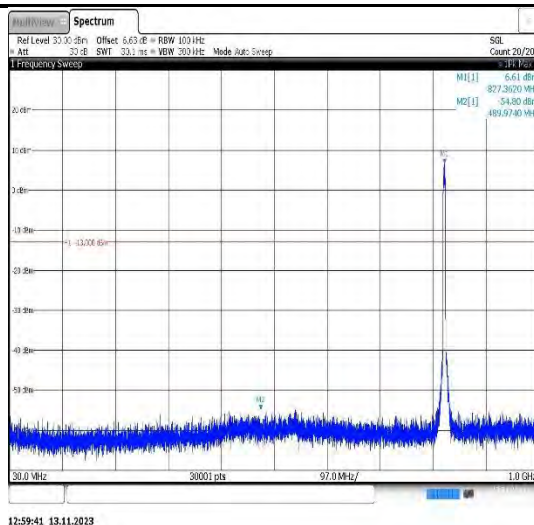
Band4-1513-5-30~1000MHz



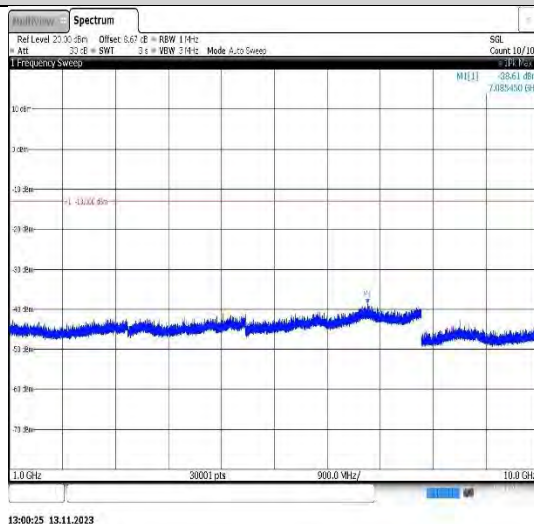
Band4-1513-5-1000~20000MHz



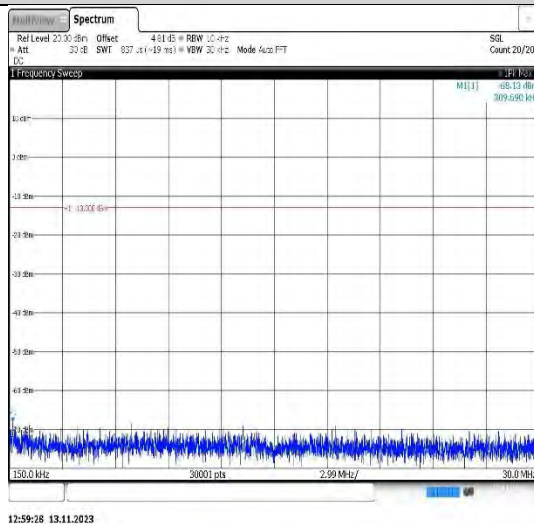
Band5-4132-5-30~1000MHz



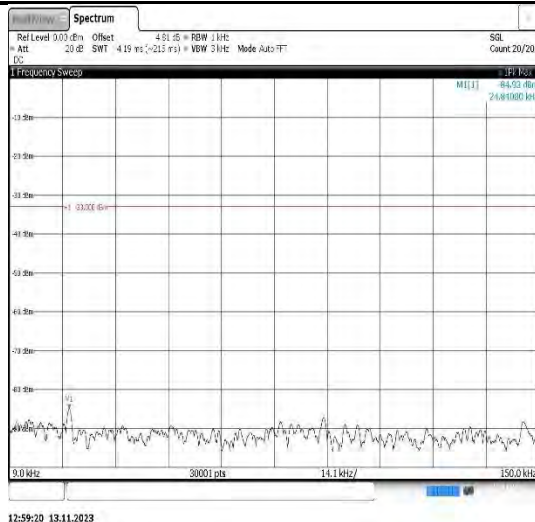
Band5-4132-5-1000~10000MHz



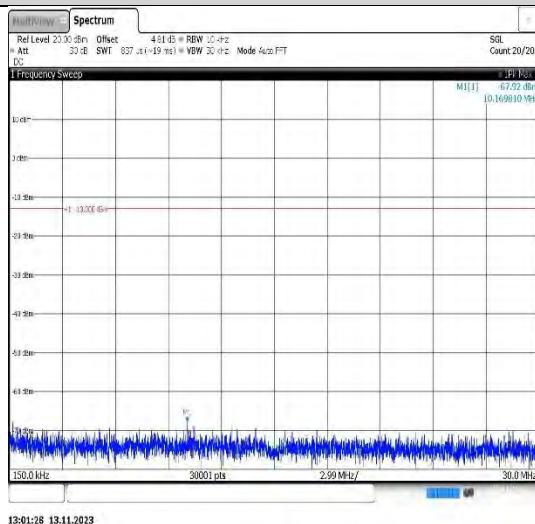
Band5-4132-5-0.15~30MHz



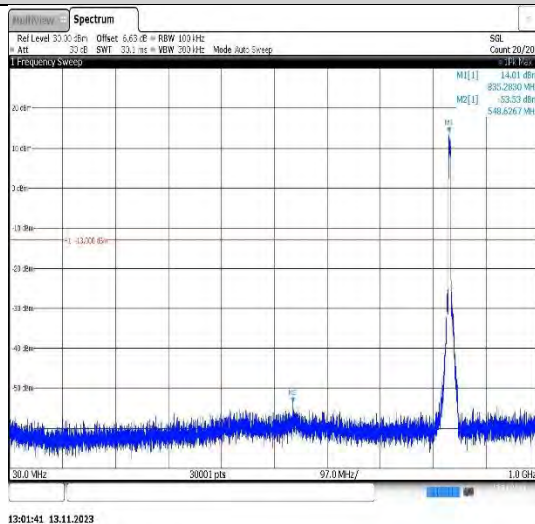
Band5-4132-5-0.009~0.15MHz



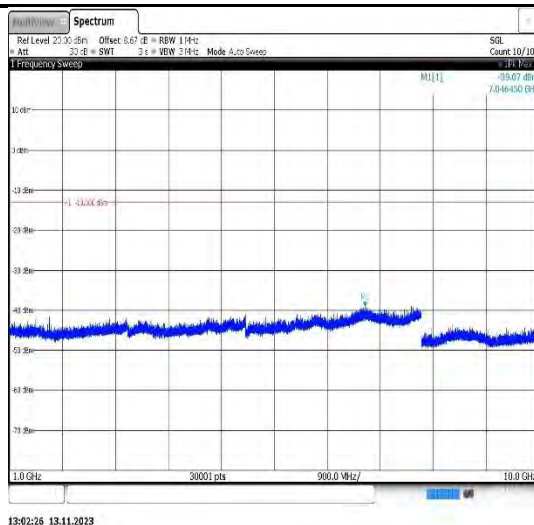
Band5-4182-5-0.15~30MHz



Band5-4182-5-30~1000MHz

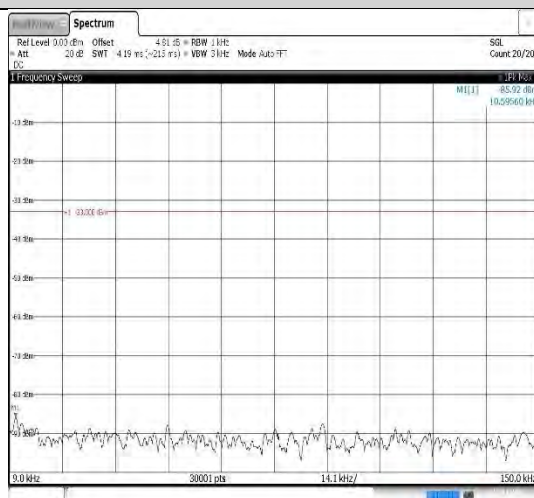


Band5-4182-5-1000~10000MHz



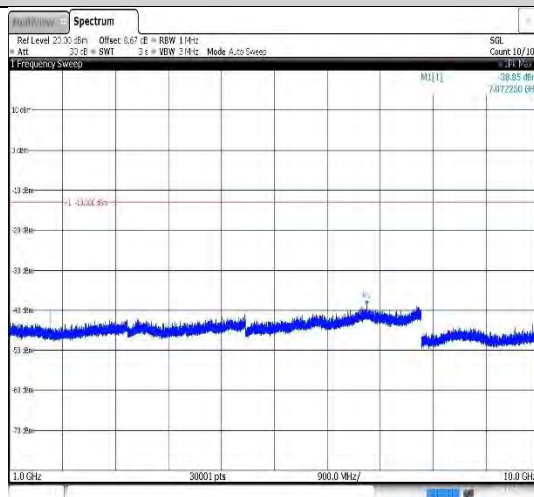
13:02:26 13.11.2023

Band5-4182-5-0.009~0.15MHz



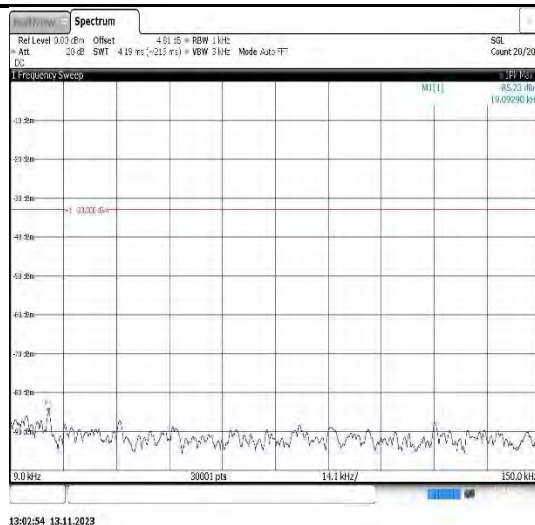
13:01:20 13.11.2023

Band5-4233-5-1000~10000MHz

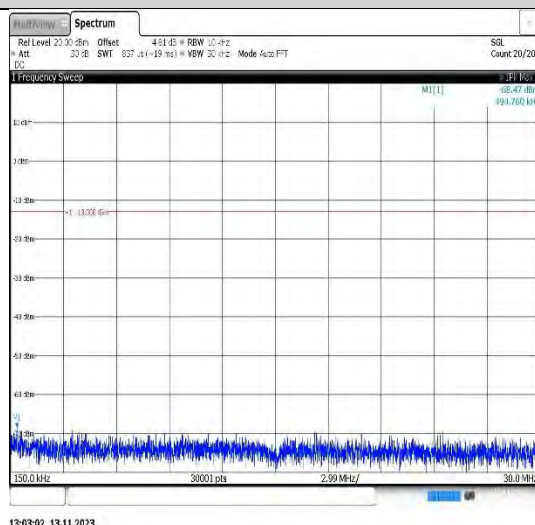


13:04:00 13.11.2023

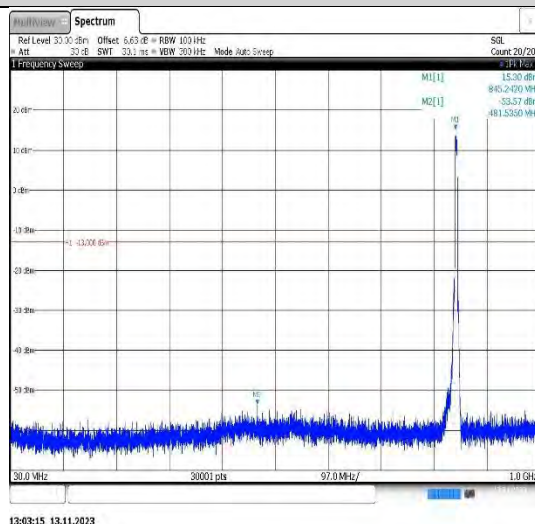
Band5-4233-5-0.009~0.15MHz



Band5-4233-5-0.15~30MHz



Band5-4233-5-30~1000MHz



8.6. AppendixF:Frequency Stability

8.6.1. Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9400	VL	NT	3.05	0.001622	±2.5	PASS
Band2	9400	VN	NT	2.28	0.001213	±2.5	PASS
Band2	9400	VH	NT	3.38	0.001798	±2.5	PASS
Band4	1413	VL	NT	0.14	0.000081	±2.5	PASS
Band4	1413	VN	NT	-3.57	-0.002060	±2.5	PASS
Band4	1413	VH	NT	-0.18	-0.000104	±2.5	PASS
Band5	4182	VL	NT	-0.16	-0.000191	±2.5	PASS
Band5	4182	VN	NT	-1.54	-0.001841	±2.5	PASS
Band5	4182	VH	NT	0.32	0.000383	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9400	NV	-30	3.32	0.001766	±2.5	PASS
Band2	9400	NV	-20	3.63	0.001931	±2.5	PASS
Band2	9400	NV	-10	3.60	0.001915	±2.5	PASS
Band2	9400	NV	0	3.86	0.002053	±2.5	PASS
Band2	9400	NV	10	3.47	0.001846	±2.5	PASS
Band2	9400	NV	20	3.97	0.002112	±2.5	PASS
Band2	9400	NV	30	3.18	0.001691	±2.5	PASS
Band2	9400	NV	40	3.30	0.001755	±2.5	PASS
Band2	9400	NV	50	3.78	0.002011	±2.5	PASS
Band4	1413	NV	-30	-0.26	-0.000150	±2.5	PASS
Band4	1413	NV	-20	0.77	0.000444	±2.5	PASS
Band4	1413	NV	-10	0.16	0.000092	±2.5	PASS
Band4	1413	NV	0	0.11	0.000063	±2.5	PASS
Band4	1413	NV	10	0.75	0.000433	±2.5	PASS
Band4	1413	NV	20	1.12	0.000646	±2.5	PASS
Band4	1413	NV	30	-0.34	-0.000196	±2.5	PASS
Band4	1413	NV	40	0.35	0.000202	±2.5	PASS
Band4	1413	NV	50	0.53	0.000306	±2.5	PASS
Band5	4182	NV	-30	0.14	0.000167	±2.5	PASS
Band5	4182	NV	-20	0.46	0.000550	±2.5	PASS
Band5	4182	NV	-10	0.69	0.000825	±2.5	PASS
Band5	4182	NV	0	1.21	0.001447	±2.5	PASS
Band5	4182	NV	10	1.25	0.001495	±2.5	PASS
Band5	4182	NV	20	0.80	0.000956	±2.5	PASS
Band5	4182	NV	30	0.52	0.000622	±2.5	PASS
Band5	4182	NV	40	0.12	0.000143	±2.5	PASS
Band5	4182	NV	50	1.62	0.001937	±2.5	PASS

Voltage								
Band	Channel	SubTest	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9400	1	VL	NT	4.33	0.002303	±2.5	PASS
Band2	9400	1	VN	NT	2.49	0.001324	±2.5	PASS
Band2	9400	1	VH	NT	4.12	0.002191	±2.5	PASS
Band2	9400	2	VL	NT	3.38	0.001798	±2.5	PASS
Band2	9400	2	VN	NT	3.05	0.001622	±2.5	PASS
Band2	9400	2	VH	NT	4.23	0.002250	±2.5	PASS
Band2	9400	3	VL	NT	3.48	0.001851	±2.5	PASS
Band2	9400	3	VN	NT	4.07	0.002165	±2.5	PASS
Band2	9400	3	VH	NT	3.93	0.002090	±2.5	PASS
Band2	9400	4	VL	NT	2.84	0.001511	±2.5	PASS
Band2	9400	4	VN	NT	3.25	0.001729	±2.5	PASS
Band2	9400	4	VH	NT	3.45	0.001835	±2.5	PASS
Band4	1413	4	VL	NT	0.17	0.000098	±2.5	PASS
Band4	1413	4	VN	NT	-0.01	-0.000006	±2.5	PASS
Band4	1413	4	VH	NT	1.04	0.000600	±2.5	PASS
Band5	4182	4	VL	NT	1.23	0.001471	±2.5	PASS
Band5	4182	4	VN	NT	0.36	0.000430	±2.5	PASS
Band5	4182	4	VH	NT	0.44	0.000526	±2.5	PASS

Temperature								
Band	Channel	SubTest	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9400	1	NV	-30	3.39	0.001803	±2.5	PASS
Band2	9400	1	NV	-20	3.32	0.001766	±2.5	PASS
Band2	9400	1	NV	-10	3.62	0.001926	±2.5	PASS
Band2	9400	1	NV	0	3.31	0.001761	±2.5	PASS
Band2	9400	1	NV	10	3.78	0.002011	±2.5	PASS
Band2	9400	1	NV	20	4.65	0.002473	±2.5	PASS
Band2	9400	1	NV	30	4.19	0.002229	±2.5	PASS
Band2	9400	1	NV	40	4.03	0.002144	±2.5	PASS
Band2	9400	1	NV	50	4.27	0.002271	±2.5	PASS
Band2	9400	2	NV	-30	3.81	0.002027	±2.5	PASS
Band2	9400	2	NV	-20	4.34	0.002309	±2.5	PASS
Band2	9400	2	NV	-10	3.33	0.001771	±2.5	PASS
Band2	9400	2	NV	0	2.79	0.001484	±2.5	PASS
Band2	9400	2	NV	10	3.50	0.001862	±2.5	PASS
Band2	9400	2	NV	20	3.04	0.001617	±2.5	PASS
Band2	9400	2	NV	30	4.10	0.002181	±2.5	PASS
Band2	9400	2	NV	40	3.71	0.001973	±2.5	PASS
Band2	9400	2	NV	50	3.49	0.001856	±2.5	PASS
Band2	9400	3	NV	-30	3.25	0.001729	±2.5	PASS
Band2	9400	3	NV	-20	3.67	0.001952	±2.5	PASS
Band2	9400	3	NV	-10	3.86	0.002053	±2.5	PASS
Band2	9400	3	NV	0	4.89	0.002601	±2.5	PASS

Band2	9400	3	NV	10	3.73	0.001984	±2.5	PASS
Band2	9400	3	NV	20	3.62	0.001926	±2.5	PASS
Band2	9400	3	NV	30	4.33	0.002303	±2.5	PASS
Band2	9400	3	NV	40	4.24	0.002255	±2.5	PASS
Band2	9400	3	NV	50	4.06	0.002160	±2.5	PASS
Band2	9400	4	NV	-30	3.30	0.001755	±2.5	PASS
Band2	9400	4	NV	-20	3.93	0.002090	±2.5	PASS
Band2	9400	4	NV	-10	3.34	0.001777	±2.5	PASS
Band2	9400	4	NV	0	3.24	0.001723	±2.5	PASS
Band2	9400	4	NV	10	2.62	0.001394	±2.5	PASS
Band2	9400	4	NV	20	3.27	0.001739	±2.5	PASS
Band2	9400	4	NV	30	3.61	0.001920	±2.5	PASS
Band2	9400	4	NV	40	3.91	0.002080	±2.5	PASS
Band2	9400	4	NV	50	3.00	0.001596	±2.5	PASS
Band4	1413	4	NV	-30	0.79	0.000456	±2.5	PASS
Band4	1413	4	NV	-20	0.62	0.000358	±2.5	PASS
Band4	1413	4	NV	-10	1.04	0.000600	±2.5	PASS
Band4	1413	4	NV	0	0.51	0.000294	±2.5	PASS
Band4	1413	4	NV	10	1.07	0.000618	±2.5	PASS
Band4	1413	4	NV	20	2.10	0.001212	±2.5	PASS
Band4	1413	4	NV	30	1.14	0.000658	±2.5	PASS
Band4	1413	4	NV	40	1.44	0.000831	±2.5	PASS
Band4	1413	4	NV	50	0.76	0.000439	±2.5	PASS
Band5	4182	4	NV	-30	1.01	0.001208	±2.5	PASS
Band5	4182	4	NV	-20	0.92	0.001100	±2.5	PASS
Band5	4182	4	NV	-10	1.14	0.001363	±2.5	PASS
Band5	4182	4	NV	0	1.92	0.002296	±2.5	PASS
Band5	4182	4	NV	10	0.90	0.001076	±2.5	PASS
Band5	4182	4	NV	20	0.65	0.000777	±2.5	PASS
Band5	4182	4	NV	30	1.21	0.001447	±2.5	PASS
Band5	4182	4	NV	40	0.97	0.001160	±2.5	PASS
Band5	4182	4	NV	50	0.85	0.001016	±2.5	PASS

Voltage								
Band	Channel	SubTest	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9400	1	VL	NT	4.94	0.002628	±2.5	PASS
Band2	9400	1	VN	NT	3.63	0.001931	±2.5	PASS
Band2	9400	1	VH	NT	4.75	0.002527	±2.5	PASS
Band2	9400	2	VL	NT	4.86	0.002585	±2.5	PASS
Band2	9400	2	VN	NT	4.44	0.002362	±2.5	PASS
Band2	9400	2	VH	NT	4.87	0.002590	±2.5	PASS
Band2	9400	3	VL	NT	4.96	0.002638	±2.5	PASS
Band2	9400	3	VN	NT	4.43	0.002356	±2.5	PASS
Band2	9400	3	VH	NT	5.29	0.002814	±2.5	PASS
Band2	9400	4	VL	NT	5.16	0.002745	±2.5	PASS
Band2	9400	4	VN	NT	4.40	0.002340	±2.5	PASS
Band2	9400	4	VH	NT	5.71	0.003037	±2.5	PASS
Band2	9400	5	VL	NT	5.48	0.002915	±2.5	PASS
Band2	9400	5	VN	NT	4.94	0.002628	±2.5	PASS
Band2	9400	5	VH	NT	5.18	0.002755	±2.5	PASS
Band4	1413	5	VL	NT	3.03	0.001749	±2.5	PASS
Band4	1413	5	VN	NT	1.97	0.001137	±2.5	PASS
Band4	1413	5	VH	NT	2.70	0.001558	±2.5	PASS
Band5	4182	5	VL	NT	2.46	0.002941	±2.5	PASS
Band5	4182	5	VN	NT	1.96	0.002343	±2.5	PASS
Band5	4182	5	VH	NT	2.24	0.002678	±2.5	PASS

Temperature								
Band	Channel	SubTest	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9400	1	NV	-30	5.05	0.002686	±2.5	PASS
Band2	9400	1	NV	-20	4.82	0.002564	±2.5	PASS
Band2	9400	1	NV	-10	5.31	0.002824	±2.5	PASS
Band2	9400	1	NV	0	5.23	0.002782	±2.5	PASS
Band2	9400	1	NV	10	5.22	0.002777	±2.5	PASS
Band2	9400	1	NV	20	4.98	0.002649	±2.5	PASS
Band2	9400	1	NV	30	5.21	0.002771	±2.5	PASS
Band2	9400	1	NV	40	5.26	0.002798	±2.5	PASS
Band2	9400	1	NV	50	5.28	0.002809	±2.5	PASS
Band2	9400	2	NV	-30	4.97	0.002644	±2.5	PASS
Band2	9400	2	NV	-20	4.93	0.002622	±2.5	PASS
Band2	9400	2	NV	-10	5.39	0.002867	±2.5	PASS
Band2	9400	2	NV	0	5.45	0.002899	±2.5	PASS
Band2	9400	2	NV	10	5.56	0.002957	±2.5	PASS
Band2	9400	2	NV	20	4.66	0.002479	±2.5	PASS
Band2	9400	2	NV	30	5.25	0.002793	±2.5	PASS
Band2	9400	2	NV	40	5.35	0.002846	±2.5	PASS
Band2	9400	2	NV	50	5.09	0.002707	±2.5	PASS
Band2	9400	3	NV	-30	4.89	0.002601	±2.5	PASS

Band2	9400	3	NV	-20	5.46	0.002904	±2.5	PASS
Band2	9400	3	NV	-10	5.42	0.002883	±2.5	PASS
Band2	9400	3	NV	0	5.34	0.002840	±2.5	PASS
Band2	9400	3	NV	10	4.53	0.002410	±2.5	PASS
Band2	9400	3	NV	20	5.11	0.002718	±2.5	PASS
Band2	9400	3	NV	30	5.57	0.002963	±2.5	PASS
Band2	9400	3	NV	40	5.66	0.003011	±2.5	PASS
Band2	9400	3	NV	50	5.45	0.002899	±2.5	PASS
Band2	9400	4	NV	-30	5.33	0.002835	±2.5	PASS
Band2	9400	4	NV	-20	5.09	0.002707	±2.5	PASS
Band2	9400	4	NV	-10	5.06	0.002691	±2.5	PASS
Band2	9400	4	NV	0	4.86	0.002585	±2.5	PASS
Band2	9400	4	NV	10	4.42	0.002351	±2.5	PASS
Band2	9400	4	NV	20	4.76	0.002532	±2.5	PASS
Band2	9400	4	NV	30	4.48	0.002383	±2.5	PASS
Band2	9400	4	NV	40	5.36	0.002851	±2.5	PASS
Band2	9400	4	NV	50	5.20	0.002766	±2.5	PASS
Band2	9400	5	NV	-30	5.14	0.002734	±2.5	PASS
Band2	9400	5	NV	-20	5.01	0.002665	±2.5	PASS
Band2	9400	5	NV	-10	5.01	0.002665	±2.5	PASS
Band2	9400	5	NV	0	5.64	0.003000	±2.5	PASS
Band2	9400	5	NV	10	5.88	0.003128	±2.5	PASS
Band2	9400	5	NV	20	5.33	0.002835	±2.5	PASS
Band2	9400	5	NV	30	4.74	0.002521	±2.5	PASS
Band2	9400	5	NV	40	4.91	0.002612	±2.5	PASS
Band2	9400	5	NV	50	4.61	0.002452	±2.5	PASS
Band4	1413	5	NV	-30	2.27	0.001310	±2.5	PASS
Band4	1413	5	NV	-20	3.15	0.001818	±2.5	PASS
Band4	1413	5	NV	-10	2.60	0.001501	±2.5	PASS
Band4	1413	5	NV	0	2.43	0.001403	±2.5	PASS
Band4	1413	5	NV	10	2.80	0.001616	±2.5	PASS
Band4	1413	5	NV	20	2.60	0.001501	±2.5	PASS
Band4	1413	5	NV	30	2.57	0.001483	±2.5	PASS
Band4	1413	5	NV	40	2.78	0.001605	±2.5	PASS
Band4	1413	5	NV	50	2.52	0.001454	±2.5	PASS
Band5	4182	5	NV	-30	2.05	0.002451	±2.5	PASS
Band5	4182	5	NV	-20	2.50	0.002989	±2.5	PASS
Band5	4182	5	NV	-10	2.32	0.002774	±2.5	PASS
Band5	4182	5	NV	0	2.12	0.002535	±2.5	PASS
Band5	4182	5	NV	10	2.34	0.002798	±2.5	PASS
Band5	4182	5	NV	20	2.70	0.003228	±2.5	PASS
Band5	4182	5	NV	30	2.60	0.003109	±2.5	PASS
Band5	4182	5	NV	40	2.45	0.002929	±2.5	PASS
Band5	4182	5	NV	50	2.79	0.003336	±2.5	PASS

9. RADIATED SPURIOUS EMISSIONS

LIMIT

FCC: §24.238(a) (WCDMA Band 2)

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.

FCC: §22.917(a) (WCDMA Band 5)

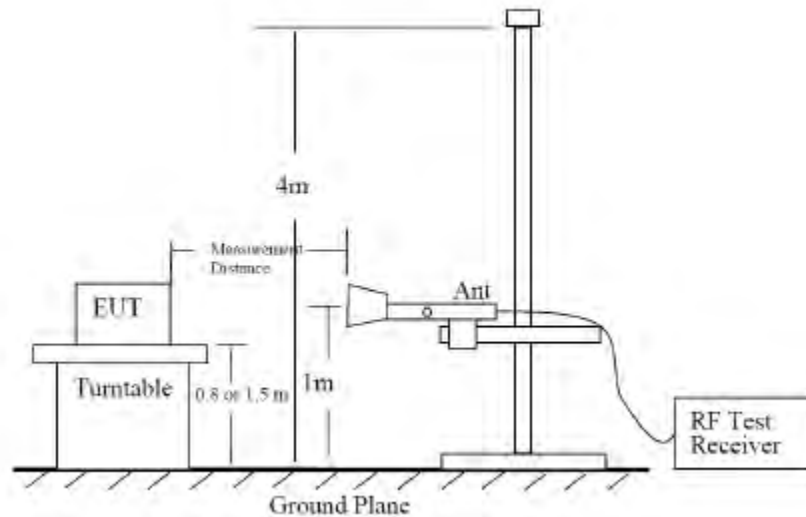
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

FCC: §27.53(h) (WCDMA Band 4)

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.

TEST PROCEDURE

Following the test configuration shown below, radiated emissions measured directly from the EUT and convert the measured field strength or received power to ERP or EIRP, as required, for comparison to the applicable limits. As stated in section 5.5.1 of ANSI C63.26-2015. The field strength measurement method by using a test site validated to the requirement of ANSI C63.4 is an alternative method to the substitution measurement.



Radiated Power Measurement Calculation According to ANSI C63.26-2015

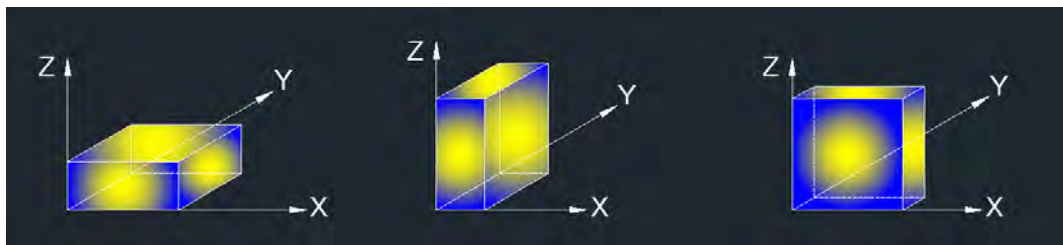
- $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dB}\mu\text{V)} + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$.
- $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$.
- $E \text{ (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20\log(D) + 104.8$, where D is the measurement distance (in the far field region) in m.
- $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8$, where D is the measurement distance (in the far field region) in m.

So, from d)

The measuring distance is at 3m, then $20 \cdot \log(3) = 9.5424$

Then, $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 9.5424 - 104.8 = E \text{ (dB}\mu\text{V/m)} - 95.2576$

X axis, Y axis, Z axis positions:



Note: The EUT was investigated in three orthogonal orientations X/Y/Z on ANT0 to determine the worst-case orientation. X orientation is finally determined the worst.

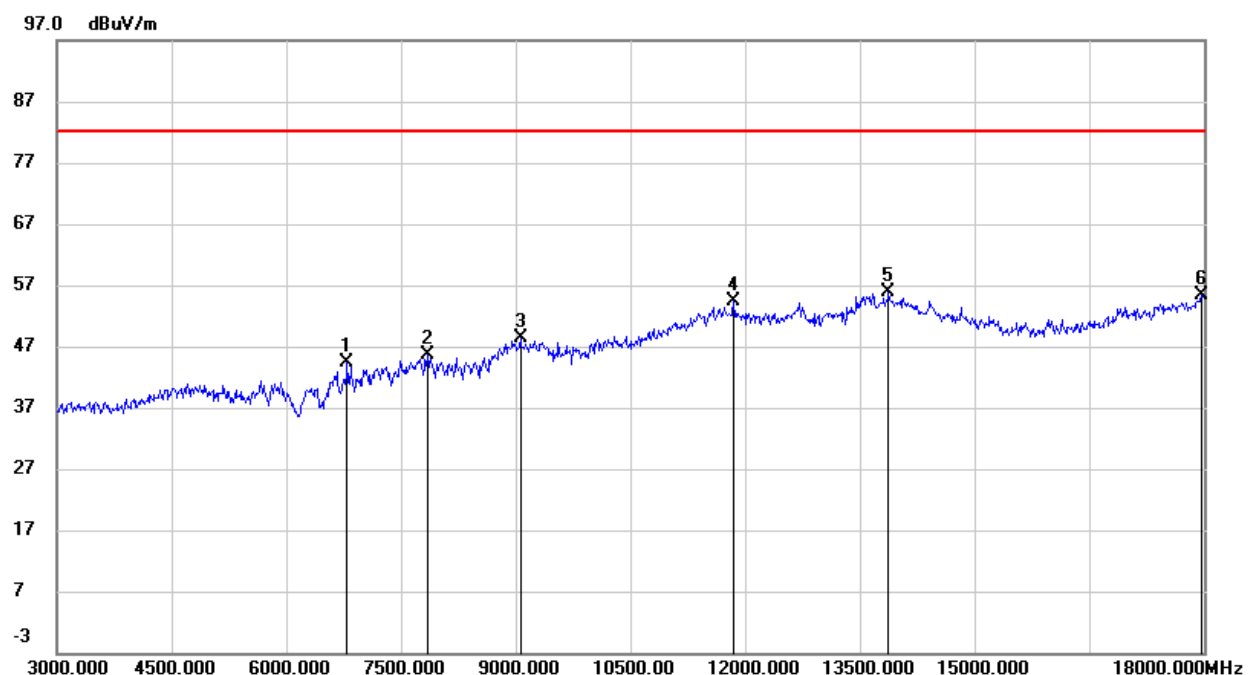
TEST ENVIRONMENT

Temperature	22.9°C	Relative Humidity	58.3%
Atmosphere Pressure	101kPa	Test Voltage	/

RESULTS

WCDMA Band 2

HSDPA- Low Channel- Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6795.000	38.68	5.68	44.36	82.25	-37.89	peak
2	7845.000	39.26	6.32	45.58	82.25	-36.67	peak
3	9060.000	37.95	10.51	48.46	82.25	-33.79	peak
4	11850.000	36.87	17.56	54.43	82.25	-27.82	peak
5	13875.000	34.19	21.70	55.89	82.25	-26.36	peak
6	17970.000	29.86	25.51	55.37	82.25	-26.88	peak

HSDPA- Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	42.21	0.43	42.64	82.25	-39.61	peak
2	8985.000	37.97	10.37	48.34	82.25	-33.91	peak
3	10230.000	36.78	12.46	49.24	82.25	-33.01	peak
4	11535.000	36.64	16.70	53.34	82.25	-28.91	peak
5	13635.000	34.46	21.19	55.65	82.25	-26.60	peak
6	17925.000	29.55	25.25	54.80	82.25	-27.45	peak

HSDPA- Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7170.000	37.15	6.56	43.71	82.25	-38.54	peak
2	9135.000	37.48	10.55	48.03	82.25	-34.22	peak
3	12045.000	35.25	17.93	53.18	82.25	-29.07	peak
4	12675.000	36.09	17.99	54.08	82.25	-28.17	peak
5	13530.000	34.82	20.96	55.78	82.25	-26.47	peak
6	17940.000	30.12	25.34	55.46	82.25	-26.79	peak

HSDPA- Mid Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5865.000	40.32	1.88	42.20	82.25	-40.05	peak
2	7635.000	38.92	6.33	45.25	82.25	-37.00	peak
3	9105.000	37.39	10.53	47.92	82.25	-34.33	peak
4	11865.000	35.68	17.59	53.27	82.25	-28.98	peak
5	13590.000	34.73	21.09	55.82	82.25	-26.43	peak
6	17910.000	29.95	25.16	55.11	82.25	-27.14	peak

HSDPA- High Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5715.000	40.07	1.46	41.53	82.25	-40.72	peak
2	7890.000	39.14	6.31	45.45	82.25	-36.80	peak
3	8985.000	38.58	10.37	48.95	82.25	-33.30	peak
4	11805.000	36.13	17.43	53.56	82.25	-28.69	peak
5	13890.000	34.11	21.72	55.83	82.25	-26.42	peak
6	17970.000	29.79	25.51	55.30	82.25	-26.95	peak

HSDPA- High Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	40.95	0.43	41.38	82.25	-40.87	peak
2	7770.000	38.97	6.31	45.28	82.25	-36.97	peak
3	9180.000	37.79	10.56	48.35	82.25	-33.90	peak
4	12735.000	35.65	18.12	53.77	82.25	-28.48	peak
5	13950.000	33.72	21.86	55.58	82.25	-26.67	peak
6	17985.000	30.20	25.60	55.80	82.25	-26.45	peak

WCDMA Band 4
HSDPA- Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7500.000	38.67	6.33	45.00	82.25	-37.25	peak
2	9135.000	37.17	10.55	47.72	82.25	-34.53	peak
3	10035.000	37.29	12.08	49.37	82.25	-32.88	peak
4	11910.000	35.44	17.72	53.16	82.25	-29.09	peak
5	13635.000	34.00	21.19	55.19	82.25	-27.06	peak
6	18000.000	29.21	25.69	54.90	82.25	-27.35	peak

HSDPA- Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7035.000	37.66	6.67	44.33	82.25	-37.92	peak
2	7875.000	38.36	6.31	44.67	82.25	-37.58	peak
3	8985.000	37.82	10.37	48.19	82.25	-34.06	peak
4	11790.000	36.07	17.38	53.45	82.25	-28.80	peak
5	13620.000	33.86	21.15	55.01	82.25	-27.24	peak
6	17985.000	29.92	25.60	55.52	82.25	-26.73	peak

HSDPA- Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	40.79	-0.03	40.76	82.25	-41.49	peak
2	7890.000	39.84	6.31	46.15	82.25	-36.10	peak
3	10215.000	36.50	12.43	48.93	82.25	-33.32	peak
4	11730.000	36.26	17.22	53.48	82.25	-28.77	peak
5	13980.000	33.69	21.92	55.61	82.25	-26.64	peak
6	17985.000	30.23	25.60	55.83	82.25	-26.42	peak

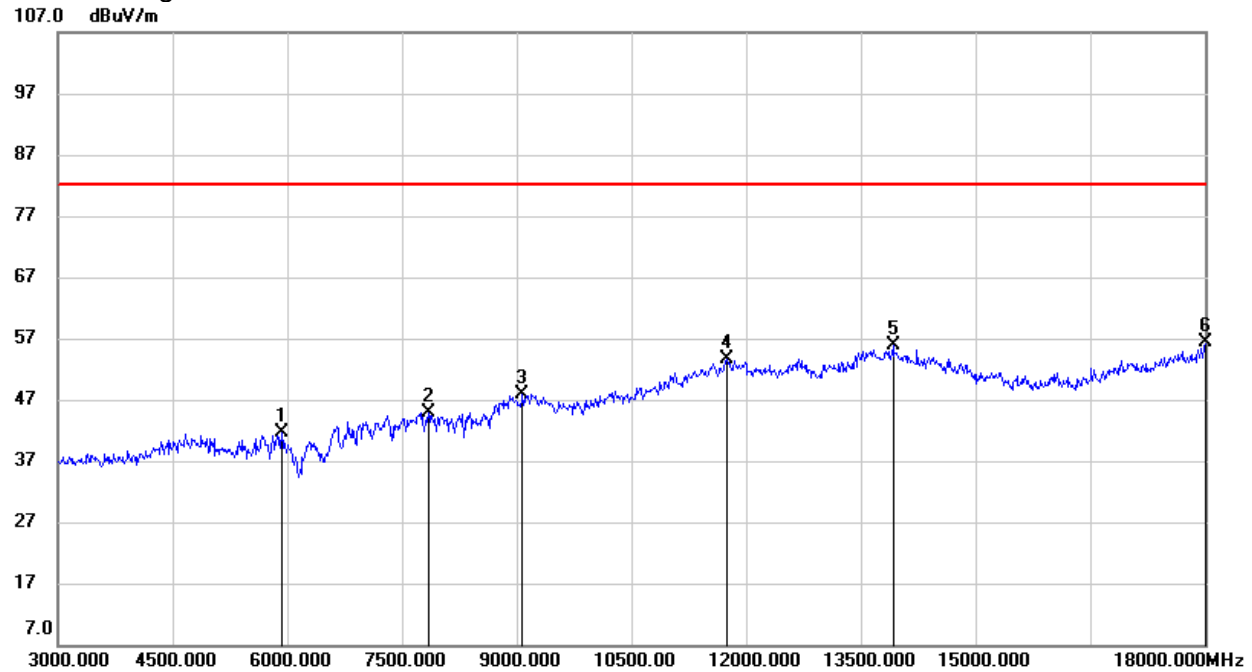
HSDPA- Mid Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7755.000	38.48	6.31	44.79	82.25	-37.46	peak
2	10155.000	36.85	12.32	49.17	82.25	-33.08	peak
3	12120.000	35.68	17.87	53.55	82.25	-28.70	peak
4	13815.000	34.11	21.56	55.67	82.25	-26.58	peak
5	16980.000	33.60	20.80	54.40	82.25	-27.85	peak
6	17985.000	29.66	25.60	55.26	82.25	-26.99	peak

HSDPA- High Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7770.000	38.61	6.31	44.92	82.25	-37.33	peak
2	9240.000	37.63	10.58	48.21	82.25	-34.04	peak
3	11055.000	37.19	14.96	52.15	82.25	-30.10	peak
4	11895.000	35.53	17.68	53.21	82.25	-29.04	peak
5	13590.000	34.26	21.09	55.35	82.25	-26.90	peak
6	17775.000	30.87	24.36	55.23	82.25	-27.02	peak

HSDPA- High Channel- Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5925.000	39.64	2.04	41.68	82.25	-40.57	peak
2	7845.000	38.56	6.32	44.88	82.25	-37.37	peak
3	9075.000	37.35	10.52	47.87	82.25	-34.38	peak
4	11745.000	36.29	17.27	53.56	82.25	-28.69	peak
5	13920.000	34.03	21.79	55.82	82.25	-26.43	peak
6	18000.000	30.64	25.69	56.33	82.25	-25.92	peak

WCDMA Band 5
HSDPA- Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1648.000	48.35	-12.22	36.13	82.25	-46.12	peak
2	3529.000	43.79	-5.77	38.02	82.25	-44.23	peak
3	5662.000	40.75	0.89	41.64	82.25	-40.61	peak
4	6805.000	37.19	5.23	42.42	82.25	-39.83	peak
5	7903.000	38.96	5.66	44.62	82.25	-37.63	peak
6	8938.000	37.85	9.31	47.16	82.25	-35.09	peak

HSDPA- Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1495.000	48.56	-12.74	35.82	82.25	-46.43	peak
2	2494.000	46.22	-8.52	37.70	82.25	-44.55	peak
3	4996.000	42.23	-0.17	42.06	82.25	-40.19	peak
4	6787.000	37.58	5.14	42.72	82.25	-39.53	peak
5	7642.000	38.70	5.69	44.39	82.25	-37.86	peak
6	9226.000	37.82	9.83	47.65	82.25	-34.60	peak

HSDPA- Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2692.000	44.93	-7.91	37.02	82.25	-45.23	peak
2	3736.000	44.91	-5.21	39.70	82.25	-42.55	peak
3	4888.000	41.23	-0.60	40.63	82.25	-41.62	peak
4	5671.000	40.93	0.91	41.84	82.25	-40.41	peak
5	7633.000	38.65	5.68	44.33	82.25	-37.92	peak
6	9199.000	37.81	9.82	47.63	82.25	-34.62	peak

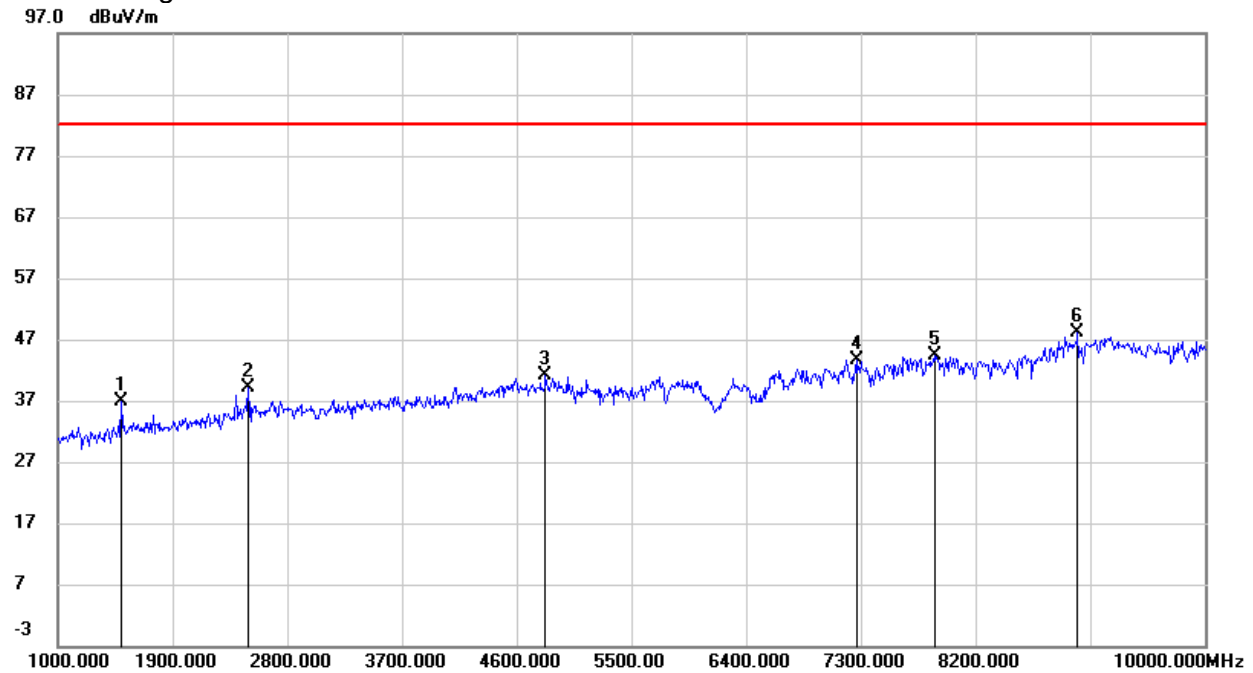
HSDPA- Mid Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1495.000	48.01	-12.74	35.27	82.25	-46.98	peak
2	2494.000	48.19	-8.52	39.67	82.25	-42.58	peak
3	4114.000	42.88	-3.94	38.94	82.25	-43.31	peak
4	4996.000	41.63	-0.17	41.46	82.25	-40.79	peak
5	7642.000	39.46	5.69	45.15	82.25	-37.10	peak
6	9307.000	37.96	9.86	47.82	82.25	-34.43	peak

HSDPA- High Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1684.000	48.16	-12.10	36.06	82.25	-46.19	peak
2	3556.000	43.29	-5.70	37.59	82.25	-44.66	peak
3	4807.000	41.60	-0.92	40.68	82.25	-41.57	peak
4	7030.000	37.04	6.18	43.22	82.25	-39.03	peak
5	7714.000	38.70	5.68	44.38	82.25	-37.87	peak
6	8965.000	37.95	9.49	47.44	82.25	-34.81	peak

HSDPA- High Channel- Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1495.000	49.52	-12.74	36.78	82.25	-45.47	peak
2	2494.000	47.63	-8.52	39.11	82.25	-43.14	peak
3	4825.000	42.08	-0.84	41.24	82.25	-41.01	peak
4	7264.000	37.76	5.93	43.69	82.25	-38.56	peak
5	7876.000	38.68	5.66	44.34	82.25	-37.91	peak
6	9001.000	38.31	9.74	48.05	82.25	-34.20	peak

Remark: All the modulation WCDMA, HSDPA, HSUPA have been tested at low, middle, high channels, only the worst modulation show in the test report.

END OF REPORT