

TEST REPORT

Applicant: Tri Cascade Inc.

EUT Description: TRITOM 5G IoT Modem

Model: GX500G

Brand: TRITOM

FCC ID: 2ACARGX500G

Standards: FCC CFR Title 47 Part 2
FCC CFR Title 47 Part 22
FCC CFR Title 47 Part 24
FCC CFR Title 47 Part 27
FCC CFR Title 47 Part 90
FCC CFR Title 47 Part 96

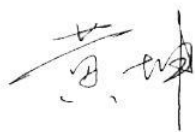
Date of Receipt: 2025/02/11

Date of Test: 2025/02/11 to 2025/03/06

Date of Issue: 2025/03/25

TOWE. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

the results documented in this report apply only the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility assure that additional production units of the model are manufactured with identical electrical and mechanical components. All sample tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise. without written approval of TOWE, the test report shall not be reproduced except in full.



Huangkun
Approved By:



ChenChengfu
Reviewed By:

Revision History

Rev.	Issue Date	Description	Revised by
01	2025/03/25	Original	Chen Chengfu

Summary of Test Results

FCC Part	Test Band	Test Item	Test Result
§2.1046, §22.913(a)(5) §27.50(c)(10) §90.542(a) §27.50(b)(10)	NR Band n5/ NR Band n26 (824~849 MHz) NR Band n12/71 NR Band n14 NR Band n13	Effective Radiated Power	Pass
§2.1046, §27.50(h)(2) §24.232(c) §27.50(d)(4) §27.50(k)(3) §27.50(j)(3)	NR Band n7/ NR Band n38/ NR Band n41 NR Band n2/ NR Band n25 NR Band n66/70 NR Band n77/78(3450-3550MHz) NR Band n77/78(3550-3980MHz)	Effective Isotropic Radiated Power	Pass
§27.50(a)(3) §96.41	NR Band n30 NR Band n48	Maximum EIRP and Maximum PSD	Pass
§2.1046, §90.635(b)	NR Band n26(814~824 MHz)	Transmitter Conducted Power Output	Pass
§22.913(d) §24.232(d) §27.50(d)(5) §96.41	NR Band n5/ NR Band n26 (824~849 MHz) NR Band n2/ NR Band n25 Others NR Band NR Band n48	Peak-Average Ratio	Pass*
§2.1049	All NR Band	Occupied Bandwidth	Pass*
§2.1051 §90.210(b) § 90.691(a)	NR Band n14 NR Band n26(814~824 MHz)	Emission Mask	Pass*
§2.1051 §22.917(a) §27.53(m4) §24.238(a) §27.53(g) §27.53(c) §90.543(e)(2)(3) §27.53(a)(4) §27.53(h) §27.50(n)(2) §27.53(l)(2) §96.41	NR Band n5/ NR Band n26 (824~849 MHz) NR Band n7/ NR Band n38/ NR Band n41 NR Band n2/ NR Band n25 NR Band n12/71 NR Band n13 NR Band n14 NR Band n30 NR Band n66/70 NR Band n77/78(3450-3550MHz) NR Band n77/78(3550-3980MHz) NR Band n48	Band Edge	Pass*
§2.1051 §22.917(a) §27.53(m) §24.238(a) §27.53(g) §27.53(c)(f) §90.543(c)(f) §90.691 §27.53(a)(4) §27.53(h) §27.50(n)(2) §27.53(l)(2) §96.41	NR Band n5/ NR Band n26 (824~849 MHz) NR Band n7/ NR Band n38/ NR Band n41 NR Band n2/ NR Band n25 NR Band n12/71 NR Band n13 NR Band n14 NR Band n26(814~824 MHz) NR Band n30 NR Band n66/70 NR Band n77/78(3450-3550MHz) NR Band n77/78(3550-3980MHz) NR Band n48	Spurious Emission at Antenna Terminals	Pass*
§2.1051 §22.917(a) §27.53(m) §24.238(a) §27.53(g) §27.53(c)(f) §90.543(c)(f) §90.691 §27.53(a)(4) §27.53(h)	NR Band n5/ NR Band n26 (824~849 MHz) NR Band n7/ NR Band n38/ NR Band n41 NR Band n2/ NR Band n25 NR Band n12/71 NR Band n13 NR Band n14 NR Band n26(814~824 MHz) NR Band n30 NR Band n66/70	Field Strength of Spurious Radiation	Pass

FCC Part	Test Band	Test Item	Test Result
§27.50(n)(2) §27.53(l)(2) §96.41	NR Band n77/78(3450-3550MHz) NR Band n77/78(3550-3980MHz) NR Band n48		
§2.1055 §22.355 §24.235 §27.54 §90.213 §96.41	NR Band n5/ NR Band n26 (824~849 MHz) NR Band n2/ NR Band n25 Others NR Band NR Band n14/NR Band n26(814~824 MHz) NR Band n48	Frequency Stability	Pass*
§96.41	NR Band n48	Adjacent Channel Leakage Ratio	Pass*
Remark: 1. Pass: Meet the requirement. 2. Pass*: Refer to Module FCC ID: XMR2023RM520NGL, Detailed data reference Report No.: SEWM2304000122RG02, provided by SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. and Report No.: ZEWM2306000841RG02, provided by SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch. 3. The items of power data refer to the previous report, and only the maximum power of all frequency bands displayed in this report.			

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1 General Description

1.1 Lab Information

1.1.1 Testing Location

These measurements tests were conducted at the Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. facility located at F401 and F101, Building E, Hongwei Industrial Zone, Liuxian 3rd Road, Bao'an District, Shenzhen, China. The measurement facility is compliant with the test site requirements specified in ANSI C63.4-2014

Tel.: +86-755-27212361

Contact Email: info@towewireless.com

1.1.2 Test Facility / Accreditations

A2LA (Certificate Number: 7088.01)

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

FCC Designation No.: CN1353

Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. has been recognized as an accredited testing laboratory. Designation Number: CN1353.

ISED CAB identifier: CN0152

Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0152

Company Number: 31000

1.2 Client Information

1.2.1 Applicant

Applicant:	Tri Cascade Inc.
Address:	19200 Von Karman Ave, Ste 400, Irvine, CA 92612

1.2.2 Manufacturer

Manufacturer:	Tri Cascade Inc.
Address:	19200 Von Karman Ave, Ste 400, Irvine, CA 92612

1.3 Product Information

EUT Description:	TRITOM 5G IoT Modem		
Model:	GX500G		
Brand:	TRITOM		
Hardware Version:	V1.0		
Software Version:	V2.1.0		
IMEI:	016716000000052 (for RSE)		
Technical specification:			
Operation Frequency Range:	Band	TX Frequency	RX Frequency
	NR Band n2	1850 to 1910 MHz	1930 to 1990 MHz
	NR Band n5	824 to 849 MHz	869 to 894 MHz
	NR Band n7	2500 to 2570 MHz	2620 to 2690 MHz
	NR Band n12	699 to 716 MHz	729 to 746 MHz
	NR Band n13	777 to 787 MHz	746 to 756 MHz
	NR Band n14	788 to 798 MHz	758 to 768 MHz
	NR Band n25	1850 to 1915MHz	1930 to 1995 MHz
	NR Band n26 (814 to 824 MHz)	814 to 824MHz	859 to 869 MHz
	NR Band n26 (824 to 849 MHz)	824 to 849 MHz	869 to 894 MHz
	NR Band n30	2305 to 2315 MHz	2350 to 2360 MHz
	NR Band n38	2570 to 2620 MHz	2570 to 2620 MHz
	NR Band n41	2496 to 2690 MHz	2496 to 2690 MHz
	NR Band n48	3550 to 3700 MHz	3550 to 3700 MHz
	NR Band n66	1710 to 1780 MHz	2110 to 2200 MHz
	NR Band n70	1695 to 1710 MHz	1995 to 2020 MHz
	NR Band n71	663 to 698 MHz	617 to 652 MHz
	NR Band n77	3450 to 3550 MHz	3450 to 3550 MHz
		3700 to 3980 MHz	3700 to 3980 MHz
	NR Band n78	3450 to 3550 MHz	3450 to 3550 MHz
		3700 to 3800 MHz	3700 to 3800 MHz
	NSA: DC_5A_n2A; DC_12A_n2A; DC_14A_n2A; DC_71A_n2A; DC_13A_n2A; DC_30A_n2A; DC_66A_n2A; DC_7A_n2A; DC_4A_n2A; DC_2A_n5A; DC_30A_n5A; DC_48A_n5A; DC_66A_n5A; DC_7A_n5A; DC_5A_n7A; DC_12A_n7A; DC_66A_n7A; DC_13A_n7A; DC_2A_n7A; DC_71A_n7A; DC_4A_n7A; DC_30A_n12A; DC_48A_n12A; DC_2A_n12A; DC_66A_n12A; DC_7A_n12A; DC_2A_n14A; DC_30A_n14A; DC_66A_n14A; DC_12A_n25A; DC_66A_n25A; DC_48A_n25A; DC_7A_n25A; DC_71A_n25A; DC_5A_n25A; DC_26A_n25A; DC_13A_n25A; DC_5A_n30A; DC_12A_n30A; DC_14A_n30A; DC_66A_n30A; DC_2A_n30A; DC_66A_n38A; DC_2A_n38A; DC_12A_n38A; DC_4A_n38A; DC_5A_n38A; DC_71A_n38A; DC_25A_n41A; DC_12A_n41A; DC_26A_n41A; DC_2A_n41A; DC_4A_n41A; DC_5A_n41A; DC_66A_n41A; DC_71A_n41A; DC_2A_n48A; DC_5A_n48A; DC_13A_n48A; DC_66A_n48A; DC_13A_n66A; DC_5A_n66A; DC_12A_n66A; DC_14A_n66A; DC_48A_n66A; DC_2A_n66A; DC_30A_n66A; DC_71A_n66A; DC_7A_n66A; DC_48A_n71A;		

	DC_2A_n71A; DC_66A_n71A; DC_7A_n71A; DC_41A_n78A; DC_12A_n78A; DC_13A_n78A; DC_25A_n78A; DC_26A_n78A; DC_2A_n78A; DC_4A_n78A; DC_5A_n78A; DC_66A_n78A; DC_71A_n78A; DC_7A_n78A; DC_41A_n77A; DC_12A_n77A; DC_13A_n77A; DC_14A_n77A; DC_25A_n77A; DC_2A_n77A; DC_30A_n77A; DC_5A_n77A; DC_66A_n77A; DC_71A_n77A; DC_7A_n77A;															
Feature:	UL 2*2 MIMO: NR Band n38; NR Band n41; NR Band n48; NR Band n77; NR Band n78;															
Power Class:	Class 2: NR Band n38; NR Band n41; NR Band n77; NR Band n78; Class 1.5: NR Band n41 MIMO; NR Band 77 MIMO; NR Band 78 MIMO; Class 3: Other;															
Type of Modulation:	☒ DFT-s-OFDM:		Pi/2-BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM													
	☒ CP-OFDM:		QPSK, 16-QAM, 64-QAM, 256-QAM													
Operation Bandwidth:	NR Band	SCS (kHz)	Bandwidth (MHz)													
			5	10	15	20	25	30	35	40	50	60	70	80	90	100
	n2	15	√	√	√	√	/	/	/	/	/	/	/	/	/	/
	n5	15	√	√	√	√	/	/	/	/	/	/	/	/	/	/
	n7	15	√	√	√	√	√	√	√	√	/	/	/	/	/	/
	n12	15	√	√	√	/	/	/	/	/	/	/	/	/	/	/
	n13	15	√	√	/	/	/	/	/	/	/	/	/	/	/	/
	n14	15	√	√	/	/	/	/	/	/	/	/	/	/	/	/
	n25	15	√	√	√	√	√	√	/	√	/	/	/	/	/	/
	n26	15	√	√	√	√	/	/	/	/	/	/	/	/	/	/
	n30	15	√	√	/	/	/	/	/	/	/	/	/	/	/	/
	n38	30	/	√	√	√	/	√	/	√	/	/	/	/	/	/
	n41	30	/	/	/	√	/	√	/	√	√	√	√	√	√	√
	n48	30	/	√	/	√	/	√	/	√	/	/	/	/	/	/
	n66	15	√	√	√	√	/	√	/	√	/	/	/	/	/	/
	n70	15	√	√	√	/	/	/	/	/	/	/	/	/	/	/
	n71	15	√	√	√	√	/	/	/	/	/	/	/	/	/	/
	n77	30	/	√	√	√	/	√	/	√	√	√	√	√	√	√
	n78	30	/	√	√	√	/	√	/	√	√	√	√	√	√	√
Antenna Type:	☒ External, ☐ Integrated															
Antenna Gain:	Band					Ant0(dBi)					Ant2(dBi)					
	NR Band n2					2.33					/					
	NR Band n5					1.54					/					
	NR Band n7					2.85					/					
	NR Band n12					0.19					/					
	NR Band n13					0.24					/					
	NR Band n14					0.99					/					
	NR Band n25					2.33					/					
	NR Band n26 (814 to 824 MHz)					1.61					/					
	NR Band n26 (824 to 849 MHz)					1.61					/					

	NR Band n30	-1.02	/
	NR Band n38	2.84	2.84
	NR Band n41	2.85	2.85
	NR Band n48	-2	-2
	NR Band n66	2.67	/
	NR Band n70	/	2.47
	NR Band n71	0.19	/
	NR Band n77	0	0
	NR Band n78	0	0
Remark: The above EUT's information was declared by applicant, please refer to the specifications or user manual for more detailed description.			

2 Test Configuration

2.1 Test Channel

5G NR Band n2 and SCS 15 kHz						
Bandwidth	TX Frequency			RX Frequency		
	Range	Carrier centre (ARFCN)	Carrier centre (MHz)	Range	Carrier centre (ARFCN)	Carrier centre (MHz)
5MHz	Low	370500	1852.5	Low	386500	1932.5
	Middle	376000	1880	Middle	392000	1960
	High	381500	1907.5	High	397500	1987.5
10MHz	Low	371000	1855	Low	387000	1935
	Middle	376000	1880	Middle	392000	1960
	High	381000	1905	High	397000	1985
15MHz	Low	371500	1857.5	Low	387500	1937.5
	Middle	376000	1880	Middle	392000	1960
	High	380500	1902.5	High	396500	1982.5
20MHz	Low	372000	1860	Low	388000	1940
	Middle	376000	1880	Middle	392000	1960
	High	380000	1900	High	396000	1980

5G NR Band n5 and SCS 15 kHz						
Bandwidth	TX Frequency			RX Frequency		
	Range	Carrier centre (ARFCN)	Carrier centre (MHz)	Range	Carrier centre (ARFCN)	Carrier centre (MHz)
5MHz	Low	165300	826.5	Low	174300	871.5
	Middle	167300	836.5	Middle	176300	881.5
	High	169300	846.5	High	178300	891.5
10MHz	Low	165800	829	Low	174800	874
	Middle	167300	836.5	Middle	176300	881.5
	High	168800	844	High	177800	889
15MHz	Low	166300	831.5	Low	175300	876.5
	Middle	167300	836.5	Middle	176300	881.5
	High	168300	841.5	High	177300	886.5
20MHz	Low	166800	834	Low	175800	879
	Middle	167300	836.5	Middle	176300	881.5
	High	167800	839	High	176800	884

5G NR Band n7 and SCS 15 kHz						
Bandwidth	TX Frequency			RX Frequency		
	Range	Carrier centre (ARFCN)	Carrier centre (MHz)	Range	Carrier centre (ARFCN)	Carrier centre (MHz)
5MHz	Low	500500	2502.5	Low	524500	2622.5
	Middle	507000	2535	Middle	531000	2655
	High	513500	2567.5	High	537500	2687.5
10MHz	Low	501000	2505	Low	525000	2625
	Middle	507000	2535	Middle	531000	2655
	High	513000	2565	High	537000	2685
15MHz	Low	501500	2507.5	Low	525500	2627.5
	Middle	507000	2535	Middle	531000	2655
	High	512500	2562.5	High	536500	2682.5
20MHz	Low	502000	2510	Low	526000	2630
	Middle	507000	2535	Middle	531000	2655
	High	512000	2560	High	536000	2680
25MHz	Low	502500	2512.5	Low	526500	2632.5
	Middle	507000	2535	Middle	531000	2655
	High	511500	2557.5	High	535500	2677.5
30MHz	Low	503000	2515	Low	527000	2635
	Middle	507000	2535	Middle	531000	2655
	High	511000	2555	High	535000	2675
40MHz	Low	504000	2520	Low	528000	2640
	Middle	507000	2535	Middle	531000	2655
	High	510000	2550	High	534000	2670

5G NR Band n12 and SCS 15 kHz						
Bandwidth	TX Frequency			RX Frequency		
	Range	Carrier centre (ARFCN)	Carrier centre (MHz)	Range	Carrier centre (ARFCN)	Carrier centre (MHz)
5MHz	Low	140300	701.5	Low	146300	731.5
	Middle	141500	707.5	Middle	147500	737.5
	High	142700	713.5	High	148700	743.5
10MHz	Low	140800	704	Low	146800	734
	Middle	141500	707.5	Middle	147500	737.5
	High	142200	711	High	148200	741
15MHz	Low	141300	706.5	Low	147300	736.5
	Middle	141500	707.5	Middle	147500	737.5
	High	141700	708.5	High	147700	738.5

5G NR Band n13 and SCS 15 kHz						
Bandwidth	TX Frequency			RX Frequency		
	Range	Carrier centre (ARFCN)	Carrier centre (MHz)	Range	Carrier centre (ARFCN)	Carrier centre (MHz)
5MHz	Low	155900	779.5	Low	149700	748.5
	Middle	156400	782	Middle	150200	751
	High	156900	784.5	High	150700	753.5
10MHz	Low	156400	782	Low	150200	751
	Middle			Middle		
	High			High		

5G NR Band n14 and SCS 15 kHz						
Bandwidth	TX Frequency			RX Frequency		
	Range	Carrier centre (ARFCN)	Carrier centre (MHz)	Range	Carrier centre (ARFCN)	Carrier centre (MHz)
5MHz	Low	158100	790.5	Low	152100	760.5
	Middle	158600	793	Middle	152600	763
	High	159100	795.5	High	153100	765.5
10MHz	Low	158600	793	Low	152600	763
	Middle			Middle		
	High			High		

5G NR Band n25 and SCS 15 kHz						
Bandwidth	TX Frequency			RX Frequency		
	Range	Carrier centre (ARFCN)	Carrier centre (MHz)	Range	Carrier centre (ARFCN)	Carrier centre (MHz)
5MHz	Low	370500	1852.5	Low	386500	1932.5
	Middle	376500	1882.5	Middle	392500	1962.5
	High	382500	1912.5	High	398500	1992.5
10MHz	Low	371000	1855	Low	387000	1935
	Middle	376500	1882.5	Middle	392500	1962.5
	High	382000	1910	High	398000	1990
15MHz	Low	371500	1857.5	Low	387500	1937.5
	Middle	376500	1882.5	Middle	392500	1962.5
	High	381500	1907.5	High	397500	1987.5
20MHz	Low	372000	1860	Low	388000	1940
	Middle	376500	1882.5	Middle	392500	1962.5
	High	381000	1905	High	397000	1985
25MHz	Low	372500	1862.5	Low	388500	1942.5
	Middle	376500	1882.5	Middle	392500	1962.5
	High	380500	1902.5	High	396500	1982.5
30MHz	Low	373000	1865	Low	389000	1945
	Middle	376500	1882.5	Middle	392500	1962.5
	High	380000	1900	High	396000	1980
40MHz	Low	374000	1870	Low	390000	1950
	Middle	376500	1882.5	Middle	392500	1962.5
	High	379000	1895	High	395000	1975

5G NR Band n26(814~824MHz) and SCS 15 kHz						
Bandwidth	TX Frequency			RX Frequency		
	Range	Carrier centre (ARFCN)	Carrier centre (MHz)	Range	Carrier centre (ARFCN)	Carrier centre (MHz)
5MHz	Low	163300	816.5	Low	172300	861.5
	Middle	163800	819	Middle	172800	864
	High	164300	821.5	High	173300	866.5
10MHz	Low	163800	819	Low	172800	864
	Middle			Middle		
	High			High		

5G NR Band n26(824~849MHz) and SCS 15 kHz						
Bandwidth	TX Frequency			RX Frequency		
	Range	Carrier centre (ARFCN)	Carrier centre (MHz)	Range	Carrier centre (ARFCN)	Carrier centre (MHz)
5MHz	Low	165300	826.5	Low	174300	871.5
	Middle	167300	836.5	Middle	176300	881.5
	High	169300	846.5	High	178300	891.5
10MHz	Low	165800	829	Low	174800	874
	Middle	167300	836.5	Middle	176300	881.5
	High	168800	844	High	177800	889
15MHz	Low	166300	831.5	Low	175300	876.5
	Middle	167300	836.5	Middle	176300	881.5
	High	168300	841.5	High	177300	886.5
20MHz	Low	166800	834	Low	175800	879
	Middle	167300	836.5	Middle	176300	881.5
	High	167800	839	High	176800	884

5G NR Band n30 and SCS 15 kHz						
Bandwidth	TX Frequency			RX Frequency		
	Range	Carrier centre (ARFCN)	Carrier centre (MHz)	Range	Carrier centre (ARFCN)	Carrier centre (MHz)
5MHz	Low	461500	2307.5	Low	470500	2352.5
	Middle	462000	2310	Middle	471000	2355
	High	462500	2312.5	High	471500	2357.5
10MHz	Low	462000	2310	Low	471000	2355
	Middle	462000	2310	Middle	471000	2355
	High	462000	2310	High	471000	2355

5G NR Band n38, SCS 30 kHz and ΔF_{Raster} 30 kHz			
Bandwidth	TX & RX Frequency		
	Range	Carrier centre (ARFCN)	Carrier centre (MHz)
10MHz	Low	515000	2575
	Middle	519000	2595
	High	523000	2615
15MHz	Low	515500	2577.5
	Middle	519000	2595
	High	522500	2612.5
20MHz	Low	516000	2580
	Middle	519000	2595
	High	522000	2610
30MHz	Low	517000	2585
	Middle	519000	2595
	High	521000	2605
40MHz	Low	518000	2590
	Middle	519000	2595
	High	520000	2600

5G NR Band n41, SCS 30 kHz and ΔF_{Raster} 30 kHz			
Bandwidth	TX & RX Frequency		
	Range	Carrier centre (ARFCN)	Carrier centre (MHz)
20MHz	Low	501204	2506.02
	Middle	518598	2592.99
	High	535998	2679.99
30MHz	Low	502200	2511
	Middle	518598	2592.99
	High	534996	2674.98
40MHz	Low	503202	2516.01
	Middle	518598	2592.99
	High	534000	2670
50MHz	Low	504204	2521.02
	Middle	518598	2592.99
	High	532998	2664.99
60MHz	Low	505200	2526
	Middle	518598	2592.99
	High	531996	2659.98
70MHz	Low	506200	2531
	Middle	518598	2592.29
	High	531000	2655
80MHz	Low	507204	2536.02
	Middle	518598	2592.99
	High	529998	2649.99
90MHz	Low	508200	2541
	Middle	518598	2592.99
	High	528996	2644.98
100MHz	Low	509202	2546.01
	Middle	518598	2592.99
	High	528000	2640

5G NR Band n48, SCS 30 kHz and ΔF_{Raster} 30 kHz			
Bandwidth	TX & RX Frequency		
	Range	Carrier centre (ARFCN)	Carrier centre (MHz)
10MHz	Low	637000	3555
	Middle	641666	3624.99
	High	646332	3694.98
20MHz	Low	637334	3560.01
	Middle	641666	3624.99
	High	646000	3690
30MHz	Low	637668	3565.02
	Middle	641666	3624.99
	High	645666	3684.99
40MHz	Low	638000	3570
	Middle	641666	3624.99
	High	645332	3679.98

5G NR Band n66, SCS 15 kHz						
Bandwidth	TX Frequency			RX Frequency		
	Range	Carrier centre (ARFCN)	Carrier centre (MHz)	Range	Carrier centre (ARFCN)	Carrier centre (MHz)
5MHz	Low	435500	1712.5	Low	422500	2112.5
	Middle	342500	1745	Middle	431000	2155
	High	349000	1777.5	High	439500	2197.5
10MHz	Low	343000	1715	Low	423000	2115
	Middle	349000	1745	Middle	431000	2155
	High	355000	1775	High	439000	2195
15MHz	Low	343500	1717.5	Low	423500	2117.5
	Middle	349000	1745	Middle	431000	2155
	High	354500	1772.5	High	438500	2192.5
20MHz	Low	344000	1720	Low	424000	2120
	Middle	349000	1745	Middle	431000	2155
	High	354000	1770	High	438000	2190
30MHz	Low	345000	1725	Low	425000	2125
	Middle	349000	1745	Middle	431000	2155
	High	353000	1765	High	437000	2185
40MHz	Low	346000	1730	Low	426000	2130
	Middle	349000	1745	Middle	431000	2155
	High	352000	1760	High	436000	2180

5G NR Band n70, SCS 15 kHz						
Bandwidth	TX Frequency			RX Frequency		
	Range	Carrier centre (ARFCN)	Carrier centre (MHz)	Range	Carrier centre (ARFCN)	Carrier centre (MHz)
5MHz	Low	339500	1697.5	Low	399500	1997.5
	Middle	340500	1702.5	Middle	400500	2002.5
	High	341500	1707.7	High	401500	2007.5
10MHz	Low	340000	1700	Low	400000	2000
	Middle	340500	1702.5	Middle	400500	2002.5
	High	341000	1705	High	401000	2005
15MHz	Low	/	/	Low	/	/
	Middle	340500	1702.5	Middle	400500	2002.5
	High	/	/	High	/	/

5G NR Band n71, SCS 15 kHz						
Bandwidth	TX Frequency			RX Frequency		
	Range	Carrier centre (ARFCN)	Carrier centre (MHz)	Range	Carrier centre (ARFCN)	Carrier centre (MHz)
5MHz	Low	133100	665.5	Low	123900	619.5
	Middle	136100	680.5	Middle	126900	634.5
	High	139100	695.5	High	129900	649.5
10MHz	Low	133600	668	Low	124400	622
	Middle	136100	680.5	Middle	126900	634.5
	High	138600	693	High	129400	647
15MHz	Low	134100	670.5	Low	124900	624.5
	Middle	136100	680.5	Middle	126900	634.5
	High	138100	690.5	High	128900	644.5
20MHz	Low	134600	673	Low	125400	627
	Middle	136100	680.5	Middle	126900	634.5
	High	137600	688	High	128400	642

5G NR Band n77/n78(3450~3550MHz), SCS 30 kHz and ΔF_{Raster} 30 kHz			
Bandwidth	TX & RX Frequency		
	Range	Carrier centre (ARFCN)	Carrier centre (MHz)
10MHz	Low	630334	3455.01
	Middle	633334	3500.01
	High	636334	3545.01
15MHz	Low	630500	3457.5
	Middle	633334	3500.01
	High	636166	3542.49
20MHz	Low	630668	3460.02
	Middle	633334	3500.01
	High	636000	3540
30MHz	Low	631000	3465
	Middle	633334	3500.01
	High	635666	3534.99
40MHz	Low	631334	3470.01
	Middle	633334	3500.01
	High	635334	3530.01
50MHz	Low	631668	3475.02
	Middle	633334	3500.01
	High	635000	3525
60MHz	Low	632000	3480
	Middle	633334	3500.01
	High	634666	3519.99
70MHz	Low	632334	3485.01
	Middle	633334	3500.01
	High	634334	3515.01
80MHz	Low	632668	3490.02
	Middle	633334	3500.01
	High	634000	3510
90MHz	Low	633000	3495
	Middle	633334	3500.01
	High	633666	3504.99
100MHz	Low	633334	3500.01
	Middle		
	High		

5G NR Band n77(3700~3980MHz), SCS 30 kHz and ΔF_{Raster} 30 kHz			
Bandwidth	TX & RX Frequency		
	Range	Carrier centre (ARFCN)	Carrier centre (MHz)
10MHz	Low	647000	3705
	Middle	656000	3840
	High	665000	3975
15MHz	Low	647168	3707.52
	Middle	656000	3840
	High	664832	3972.48
20MHz	Low	647334	3710.01
	Middle	656000	3840
	High	664666	3969.99
30MHz	Low	647666	3714.99
	Middle	656000	3840
	High	664334	3965.01
40MHz	Low	648000	3720
	Middle	656000	3840
	High	664000	3960
50MHz	Low	648334	3725.01
	Middle	656000	3840
	High	663666	3954.99
60MHz	Low	648668	3730.02
	Middle	656000	3840
	High	663332	3949.98
70MHz	Low	649000	3735
	Middle	656000	3840
	High	663000	3945
80MHz	Low	649334	3740.01
	Middle	656000	3840
	High	662666	3939.99
90MHz	Low	649668	3745.02
	Middle	656000	3840
	High	662332	3934.98
100MHz	Low	650000	3750
	Middle	656000	3840
	High	662000	3930

5G NR Band n78(3700~3800MHz), SCS 30 kHz and ΔF_{Raster} 30 kHz			
Bandwidth	TX & RX Frequency		
	Range	Carrier centre (ARFCN)	Carrier centre (MHz)
10MHz	Low	647000	3705
	Middle	650000	3750
	High	653000	3795
15MHz	Low	647168	3707.52
	Middle	650000	3750
	High	652832	3792.48
20MHz	Low	647334	3710.01
	Middle	650000	3750
	High	652666	3789.99
30MHz	Low	647668	3715.02
	Middle	650000	3750
	High	652334	3785.01
40MHz	Low	648000	3720
	Middle	650000	3750
	High	652000	3780
50MHz	Low	648334	3725.01
	Middle	650000	3750
	High	651666	3774.99
70MHz	Low	649000	3735
	Middle	650000	3750
	High	651000	3765
60MHz	Low	648668	3730.02
	Middle	650000	3750
	High	651332	3769.98
80MHz	Low	649334	3740.01
	Middle	650000	3750
	High	650666	3759.99
90MHz	Low	649668	3745.02
	Middle	650000	3750
	High	650332	3754.98
100MHz	Low	650000	3750
	Middle		
	High		

2.2 Worst-case configuration and Mode

Test Mode	Description
TM 1	EUT communication with simulated station in DFT-s-OFDM BPSK mode
TM 2	EUT communication with simulated station in DFT-s-OFDM QPSK mode
TM 3	EUT communication with simulated station in DFT-s-OFDM 16QAM mode
TM 4	EUT communication with simulated station in DFT-s-OFDM 64QAM mode
TM 5	EUT communication with simulated station in DFT-s-OFDM 256QAM mode
TM 6	EUT communication with simulated station in CP QPSK mode
TM 7	EUT communication with simulated station in CP 16QAM mode
TM 8	EUT communication with simulated station in CP 64QAM mode
TM 9	EUT communication with simulated station in CP 256QAM mode

2.3 Support Unit used in test

The EUT has been tested as an independent unit.

2.4 Test Environment

Temperature:	Normal: 15°C ~ 35°C
Relative Humidity	45-56 % RH Ambient
Voltage:	Nominal: 3.87 Vdc

2.5 Test RF Cable

For all conducted test items: The offset level is set spectrum analyzer to compensate the RF cable loss and attenuator factor between RF conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level will be exactly the RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

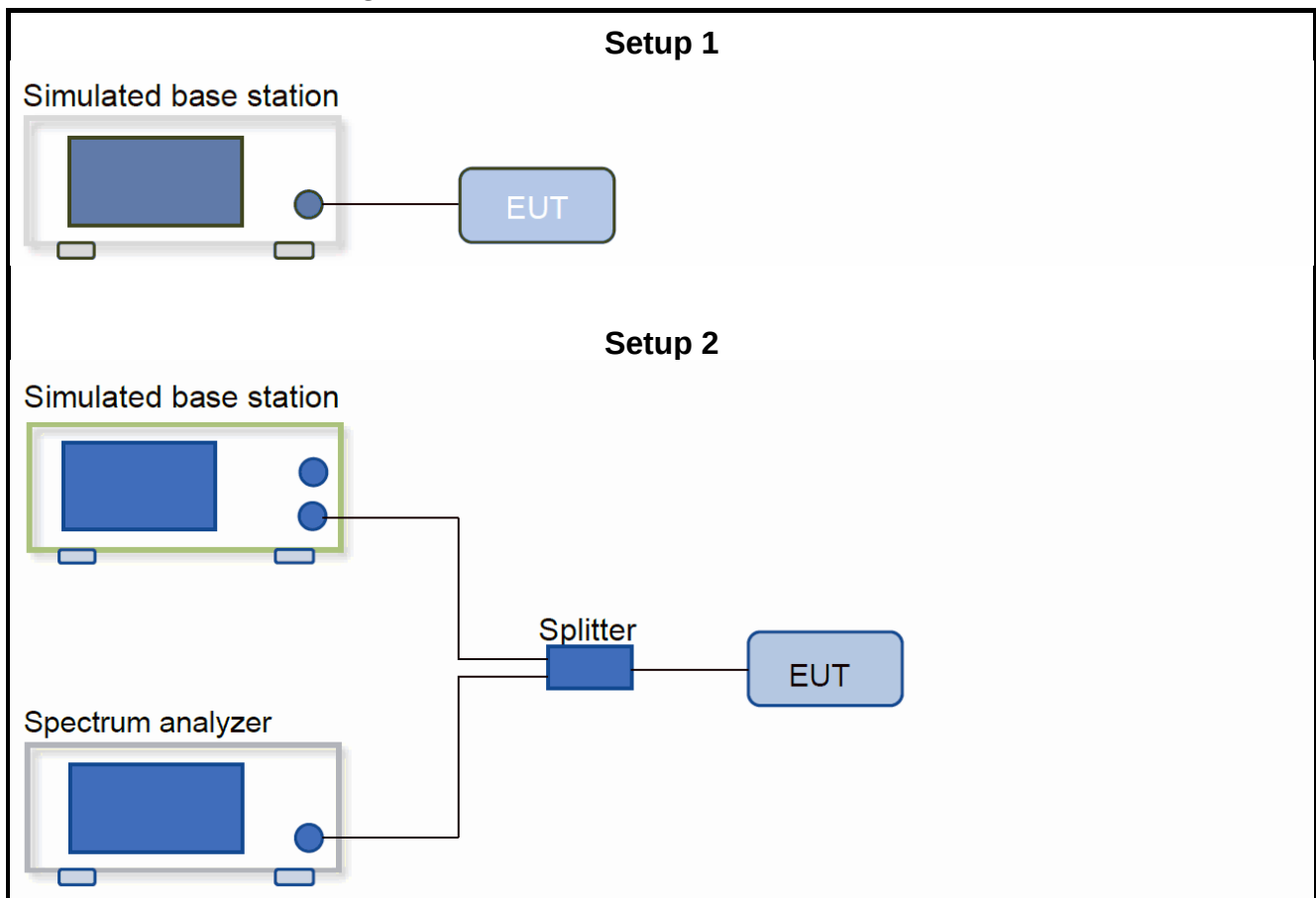
Offset = RF cable loss + attenuator factor.

2.6 Modifications

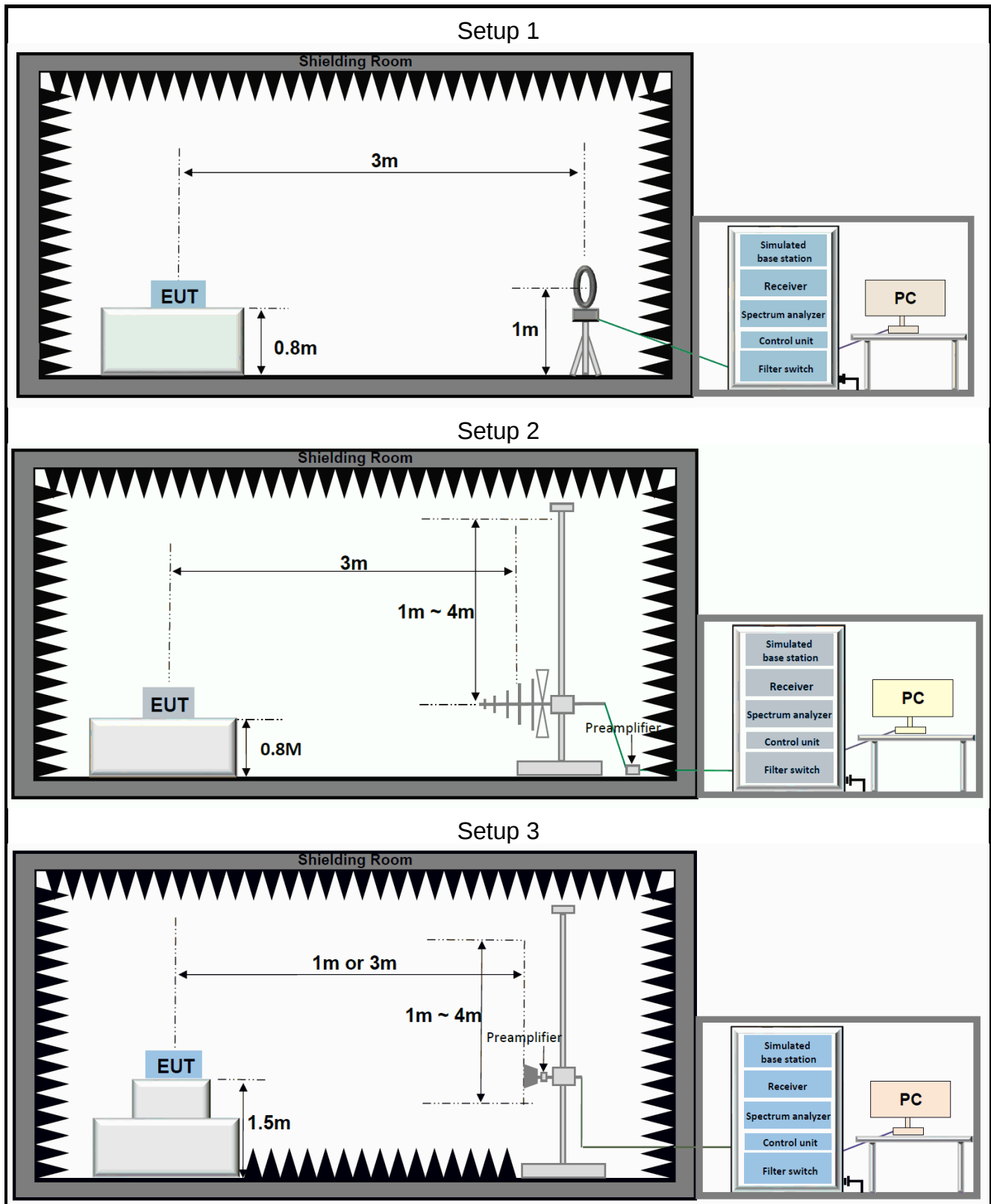
No modifications were made during testing.

2.7 Test Setup Diagram

2.7.1 Conducted Configuration



2.7.2 Radiated Configuration



3 Equipment and Measurement Uncertainty

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, whichever is less, and where applicable is traceable recognized national standards.

3.1 Test Equipment List

RF07					
Description	Manufacturer	Model	SN	Last Due	Cal Due
Radio Communication Test Station	Anritsu	MT8000A	6262208297	2023/11/07	2024/11/06
				2024/11/04	2025/11/03
Signal Analyzer	Keysight	N9020A	MY53280106	2024/03/25	2025/03/24
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY63440541	2024/05/30	2025/05/29
5G NR Basestation	StartPoint	SP9500-CTS	SP20676	2024/03/25	2025/03/24
Measurement Software	Tonscend	TS1120 V3.1.46	10636	N/A	N/A

Radiated Emission					
Description	Manufacturer	Model	SN	Last Due	Cal Due
Biconic Logarithmic Periodic Antennas	Schwarzbeck	VULB9163	1643	2023/06/25	2025/06/24
Double-Ridged Horn Antennas	Schwarzbeck	BBHA 9120D	2809	2023/06/25	2025/06/24
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	1290	2023/06/25	2025/06/24
Loop Antenna	Schwarzbeck	FMZB 1519C	1519C-028	2023/06/29	2025/06/28
Signal Analyzer	Keysight	N9020A	MY49100252	2024/03/25	2025/03/24
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY63440541	2024/05/30	2025/05/29
Wideband Radio Communication Tester	R&S	CMW500	150645	2024/03/25	2025/03/24
Low Noise Amplifier	Tonscend	TAP9K3G40	AP23A8060273	2023/04/08	2025/04/07
Low Noise Amplifier	Tonscend	TAP01018050	AP22G806258	2023/04/08	2025/04/07
Low Noise Amplifier	Tonscend	TAP18040048	AP22G806247	2023/04/08	2025/04/07
Hygrometer	BINGYU	HTC-1	N/A	2023/06/01	2025/05/31
Test Software	Tonscend	TS+ V5.0.0	N/A	N/A	N/A

3.2 Measurement Uncertainty

Parameter	U _{lab}
Output Power	0.76dB
Radiated Emissions(9kHz~30MHz)	2.40dB
Radiated Emissions(30MHz~1000MHz)	4.66dB
Radiated Emissions(1GHz~18GHz)	5.42dB
Radiated Emissions(18GHz~40GHz)	5.46dB

Uncertainty figures are valid to a confidence level of 95%

4 Test Results

4.1 Output Power (ERP / EIRP / Conducted Power)

Limits

FCC Part	Test Band	Limit
§22.913(a)(5)	NR Band n5/ NR Band n26 (824~849 MHz)	The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7watts.
§24.232(c)	NR Band n2/ NR Band n25	Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.
§27.50(h)(2)	NR Band n7/ NR Band n38/ NR Band n41	Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power
§27.50(d)(4)	NR Band n66/70	Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780MHz bands are limited to 1watt EIRP. Fixed stations operating in the 1710-1755MHz band are limited to a maximum antenna height of 10 meters above ground. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.
§27.50(c)(10)	NR Band n12/71	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 3watts ERP.
§90.635(b)	NR Band n26(814~824MHz)	The maximum output power of the transmitter for mobile stations is 100 watts (20dBw).
§27.50(k)(3)	5G NR n77/78(3450-3550MHz)	Mobile devices are limited to 1Watt (30 dBm) EIRP
§27.50(j)(3)	5G NR n77/78(3700-3980MHz)	Mobile and portable stations are limited to 1 Watt EIRP
§27.50(b)(10)	NR Band n13	Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788MHz, and 805-806 MHz bands are limited to 3 watts ERP.
§90.542(a)	NR Band n14	Portable stations (hand-held devices) transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 3 watts ERP.

Test Procedure

FCC KDB 971168 D01 V03r01 Section 5.2.1, for Conducted Output Power;

FCC KDB 971168 D01 V03r01 Section 5.2, for 4.2 for Effective (Isotropic) Radiated Power

Test Settings

Conducted Output Power:

The transmitter output was connected to a calibrated attenuator, the other end of which was connected to the simulated base station. The simulated station was set to force the EUT to its maximum power setting, Transmitter output power was read off in dBm, Read values have added cable loss and attenuation.

Effective (Isotropic) Radiated Power:

The formula for calculating ERP/EIRP based on conduction power is as follows:

$EIRP(dBm) = \text{Conducted Power (dBm)} + \text{antenna gain (dBi)}$

Test Setup

Refer to section 2.7.1 Setup 1

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix**.

4.2 Maximum EIRP and Maximum PSD

Limits

FCC Part	Test Band	Limit		
§27.50(a)(3)	NR Band n30	For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth.		
§96.41	NR Band n48	Device	Maximum EIRP (dBm/10 megahertz)	Maximum PSD (dBm/MHz)
		End User Device	23	n/a
		Category A CBSD	30	20
		Category B CBSD ¹	47	37

Test Procedure

KDB 971168 D01 V03r01 Section 5.4

Test Settings

- Set span to $2 \times$ to $3 \times$ the OBW.
- Set RBW = 1% to 5% of the OBW.
- Set VBW $\geq 3 \times$ RBW.
- Set number of measurement points in sweep $\geq 2 \times$ span / RBW.
- Sweep time:
 - Set = auto-couple, or
 - Set $\geq [10 \times (\text{number of points in sweep}) \times (\text{transmission symbol period})]$ for single sweep (automation-compatible) measurement.
- Detector = power averaging (rms).
- Set sweep trigger to "free run."
- Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple. To accurately determine the average power over the on and off time of the transmitter, it can be necessary to increase the number of traces to be averaged above 100, or if using a manually configured sweep time, increase the sweep time.
- Compute power by integrating the spectrum across the OBW of the signal using the instrument's band or channel power measurement function with band/channel limits set equal to the OBW band edges. If the instrument does not have a band or channel power function, sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.
- Add $10 \log (1/\text{duty cycle})$ to the measured power level to compute the average power during continuous transmission. For example, add $[10 \log (1/0.25)] = 6 \text{ dB}$ if the duty cycle is a constant 25%.

Test notes

- When average PSD limits are specified, the same fundamental measurement condition applies as previously discussed (i.e., averaging is to be performed only over durations of active transmissions at maximum output power level). Thus, when performing this measurement, the EUT must either be configured to transmit continuously at full power while the compliance measurement is performed, or else the measurement instrumentation must be configured to acquire data only over durations when the EUT is actively transmitting at full power. In circumstances where neither of these conditions can be realized, then alternative procedures are provided for both constant duty cycle and non-constant duty cycle transmissions.

2. The PSD is measured following the same procedures described in 5.2.4.4 for measuring the total average power, but with the RBW set to the reference bandwidth specified by the applicable regulatory requirement, and by using the marker function to identify the maximum PSD instead of summing the power across the OBW. If the fundamental measurement condition cannot be realized, then one of the alternative procedures in 5.2.4.4.2 or 5.2.4.4.3 should be selected.

Test Setup

Refer to section 2.7.1 Setup 2

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix**.

4.3 Field Strength of Spurious Radiation

Limits

Band	Limit
NR Band n5/ NR Band n26 (824~849 MHz) NR Band n2/ NR Band n25 NR Band n12/71 NR Band n66/70 NR Band n77/78(3450-3550MHz) NR Band n77/78(3550-3980MHz)	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.
NR Band n13	On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB; For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.
NR Band n14	least $43 + 10 \log(P)$ dB. For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals.
NR Band n7/ NR Band n38/ NR Band n41	All frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz.
NR Band n26(814~824 MHz)	The power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log(P)$ decibels or 80 decibels, whichever is the lesser attenuation.
NR Band n30	By a factor of not less than: $43 + 10 \log(P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log(P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log(P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log(P)$ dB on all frequencies between 2328 and 2337 MHz; By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log(P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log(P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log(P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log(P)$ dB below 2288 MHz; By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log(P)$ dB above 2365 MHz.
NR Band n48	for channel and frequency assignments made by the SAS to CBSDs, the conducted power of any emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0-10 megahertz above the upper SAS-assigned channel edge and within 0-10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any

	emission shall not exceed -25 dBm/MHz.
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	(2) Additional protection levels. Notwithstanding paragraph (d)(1) of this section, the conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.
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Test Procedure

FCC KDB 971168 D01 V03r01 Section 7

Test Settings

- For radiated emissions measurements performed at frequencies less than or equal to 1GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80cm above the reference ground plane.
- For radiated emissions measurements performed at frequencies above 1GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80cm above the ground plane.
- Radiated measurements shall be made with the measurement antenna positioned in both horizontal and vertical polarization. The measurement antenna shall be varied from 1m to 4m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level (i.e, field strength or received power), when orienting the measurement antenna in vertical polarization, the minimum height of the lowest element of the antenna shall clear the site reference ground plane by at least 25cm.
- For each suspected emission, the EUT was ranged its worst case and then tune the antenna tower(from 1~4m) and turntable(from 0~360°) find the maximum reading. Preamplifier and a high pass filter are used for the test in order get better signal level comply with the guidelines.
- The simulated base station was set to force the EUT to its maximum transmitting power.
- spectrum analyzer setting:
Measurements 9kHz ~150kHz: RBW = 300Hz; VBW ≥ 3 kHz; Detector = RMS
Measurements 150kHz ~30MHz: RBW = 10kHz; VBW ≥ 30 kHz; Detector = RMS
Measurements 30MHz~1000MHz: RBW = 100kHz or 1MHz; VBW ≥ 1MHz or 3MHz; Detector = RMS
Measurements Above 1000MHz: RBW = 1 MHz; VBW ≥ 3 MHz; Detector = RMS
- The field strength is calculated by adding the Antenna Factor, Cable Factor. The basic equation with a sample calculation is as follows:
 $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dB}\mu\text{V)} + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}.$
 $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}.$
 $E(\text{dB}\mu\text{V/m}) = \text{EIRP(dBm)} - 20\log(D) + 104.8;$ 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 usually at 3m, then $20 \cdot \log(3) = 9.5424$
Then, $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 9.5424 - 104.8 = E(\text{dB}\mu\text{V/m}) - 95.2576$
- Repeat above procedures until all frequencies measured was complete.
- Measure and record the results in the test report.

Test notes

- The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst-case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- Emissions below 18GHz were measured at a 3-meter test distance while emissions above 18GHz were measured at a 1-meter test distance with the application of a distance correction factor.
- Radiated spurious emissions were investigated from 9kHz to 30MHz, 30MHz-1GHz and above 1GHz. the disturbance between 9kHz to 30MHz, 30MHz-1GHz and 18GHz to 40GHz was very low. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be recorded, so only the harmonics had been displayed.
- The "-" shown in the following RSE tables are used to denote a noise floor measurement.

Test Setup

Refer to section 2.7.2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix**.

5 Test Setup Photos

The detailed test data see: **Appendix A - WWAN Setup Photos**

Appendix

Maximum Power

Frequency Band	Frequency Range (MHz)		Emission Designator	Conducted Power dBm	Gain dBi	EIRP/ERP		Limit dBm
	Low	High				dBm	W	
NR Band n2	1860	1900	17M9G7D	24.63	2.33	26.96	0.497	33
NR Band n2	1860	1900	19M0W7D	23.56	2.33	25.89	0.388	33
NR Band n5	834	839	17M9G7D	24.59	1.54	23.98	0.250	38.45
NR Band n5	834	839	18M9W7D	23.48	1.54	22.87	0.194	38.45
NR Band n7	2520	2550	38M6G7D	24.49	2.85	27.34	0.542	33
NR Band n7	2520	2550	38M6W7D	23.45	2.85	26.3	0.427	33
NR Band n7	2512.5	2557.5	22M9G7D	24.51	2.85	27.36	0.545	33
NR Band n7	2512.5	2557.5	23M8W7D	23.47	2.85	26.32	0.429	33
NR Band n12	706.5	708.5	13M4G7D	24.52	0.19	22.56	0.180	34.77
NR Band n12	706.5	708.5	14M1W7D	23.51	0.19	21.55	0.143	34.77
NR Band n12	704	711	8M95G7D	24.59	0.19	22.63	0.183	34.77
NR Band n12	704	711	9M29W7D	23.54	0.19	21.58	0.144	34.77
NR Band n13	782	782	8M92G7D	24.11	0.24	22.2	0.166	34.77
NR Band n13	782	782	9M26W7D	23.03	0.24	21.12	0.129	34.77
NR Band n13	779.5	784.5	4M47W7D	23.05	0.24	21.14	0.130	34.77
NR Band n14	793	793	8M96G7D	24.41	0.99	23.25	0.211	34.77
NR Band n14	793	793	9M29W7D	23.26	0.99	22.1	0.162	34.77
NR Band n25	1870	1895	38M6G7D	23.5	2.33	25.83	0.383	33
NR Band n25	1870	1895	38M6W7D	22.43	2.33	24.76	0.299	33
NR Band n25	1862.5	1902.5	22M9G7D	23.5	2.33	25.83	0.383	33
NR Band n25	1862.5	1902.5	23M8W7D	22.49	2.33	24.82	0.303	33
NR Band 26(824-849)	834	839	18M9G7D	24.49	1.61	23.95	0.248	38.45
NR Band 26(824-849)	834	839	18M9W7D	23.46	1.61	22.92	0.196	38.45
NR Band 26(824-849)	831.5	841.5	13M4G7D	24.52	1.61	23.98	0.250	38.45
NR Band 26(824-849)	831.5	841.5	14M1W7D	23.55	1.61	23.01	0.200	38.45
NR Band n30	2310	2310	8M95G7D	23.45	-1.02	22.43	0.175	23.98
NR Band n30	2310	2310	9M33W7D	21.93	-1.02	20.91	0.123	23.98
NR Band n30	2307.5	2312.5	4M48G7D	23.47	-1.02	22.45	0.176	23.98
NR Band n30	2307.5	2312.5	4M49W7D	23.34	-1.02	22.32	0.171	23.98
NR Band n38	2590	2600	35M8G7D	25.7	2.84	28.54	0.714	33
NR Band n38	2590	2600	38M0W7D	25.51	2.84	28.35	0.684	33
NR Band n38	2577.5	2612.5	12M9G7D	26.53	2.84	29.37	0.865	33
NR Band n38	2580	2610	18M2W7D	25.64	2.84	28.48	0.705	33
NR Band n41 (2496~2690)	2546.01	2640	96M5G7D	29.33	2.85	32.18	1.652	33
NR Band n41	2546.01	2640	97M5W7D	28.81	2.85	31.66	1.466	33

(2496~2690)								
NR Band n41 (2496~2690)	2521.02	2664.99	45M8G7D	29.49	2.85	32.34	1.714	33
NR Band n41 (2496~2690)	2531	2655	67M3W7D	28.88	2.85	31.73	1.489	33
NR Band n48 (3550~3700)	3570	3679.98	38M2G7D	23.7	-2	21.7	0.148	23
NR Band n48 (3550~3700)	3570	3679.98	38M3W7D	22.83	-2	20.83	0.121	23
NR Band n66	1730	1760	38M6G7D	24.53	2.67	27.2	0.525	30
NR Band n66	1730	1760	38M6W7D	23.47	2.67	26.14	0.411	30
NR Band n66	1717.5	1772.5	13M5G7D	24.69	2.67	27.36	0.545	30
NR Band n66	1720	1770	18M9W7D	23.67	2.67	26.34	0.431	30
NR Band n70	1702.5	1702.5	13M4G7D	23.24	2.47	25.71	0.372	30
NR Band n70	1702.5	1702.5	14M1W7D	22.23	2.47	24.7	0.295	30
NR Band n71	673	688	17M9G7D	24.59	0.19	22.63	0.183	34.77
NR Band n71	673	688	18M9W7D	23.52	0.19	21.56	0.143	34.77
NR Band n71	668	693	9M30W7D	23.7	0.19	21.74	0.149	34.77
NR Band n77 (3450-3550)	3500.01	3500.01	96M1G7D	29.25	0	29.25	0.841	30
NR Band n77 (3450-3550)	3500.01	3500.01	97M5W7D	28.35	0	28.35	0.684	30
NR Band n77 (3450-3550)	3460.02	3540	17M8G7D	29.33	0	29.33	0.857	30
NR Band n77 (3700-3980)	3750	3930	96M4G7D	29.41	0	29.41	0.873	30
NR Band n77 (3700-3980)	3750	3930	97M7W7D	28.63	0	28.63	0.729	30
NR Band n77 (3700-3980)	3714.99	3965.01	26M8G7D	29.46	0	29.46	0.883	30
NR Band n77 (3700-3980)	3735	3945	67M4W7D	28.7	0	28.7	0.741	30
NR Band n78(3450-3550)	3500.01	3500.01	96M1G7D	29.35	0	29.35	0.861	30
NR Band n78(3450-3550)	3500.01	3500.01	97M5W7D	28.56	0	28.56	0.718	30
NR Band n78(3450-3550)	3480	3519.99	58M0G7D	29.44	0	29.44	0.879	30
NR Band n78(3450-3550)	3465	3534.99	27M9W7D	28.7	0	28.7	0.741	30
NR Band n78(3700-3800)	3750	3750	96M3G7D	29.39	0	29.39	0.869	30
NR Band n78(3700-3800)	3750	3750	97M3W7D	28.7	0	28.7	0.741	30
NR Band n78(3700-3800)	3745.02	3754.98	85M6G7D	29.41	0	29.41	0.873	30

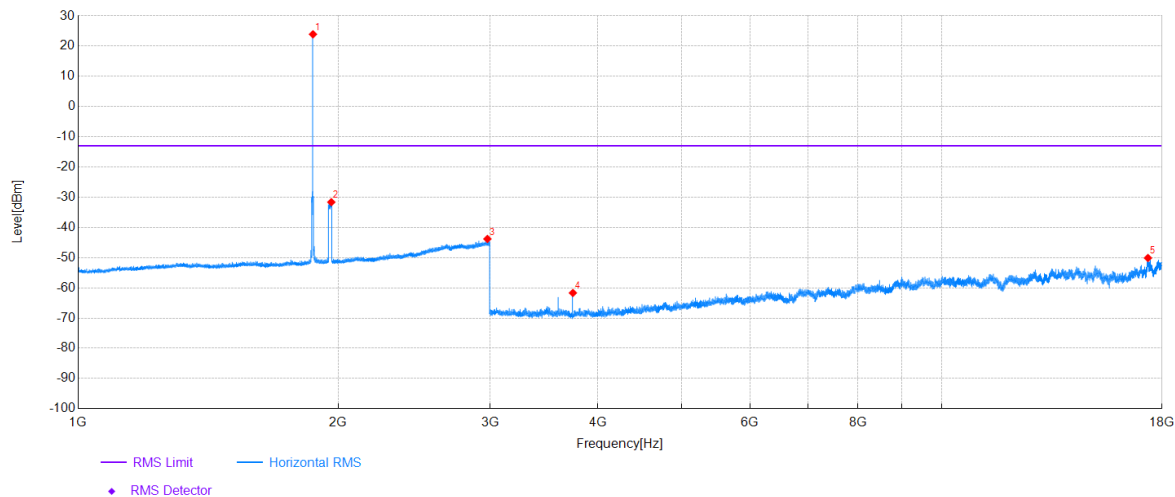
Frequency Band	Frequency Range (MHz)		Emission Designator	Conducted Power	Gain	Conducted Power	Limit
	Low	High		dBm	dBi	W	dBm
NR Band 26(814-824)	819	819	8M95G7D	24.34	1.61	0.272	50.00
NR Band 26(814-824)	819	819	9M29W7D	23.21	1.61	0.209	50.00
NR Band 26(814-824)	816.5	821.5	4M49W7D	23.26	1.61	0.212	50.00

Field Strength of Spurious Radiation

Test Result for NR SA

Project Information			
Mode:	NR SA	Band:	n2
Bandwidth:	20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph

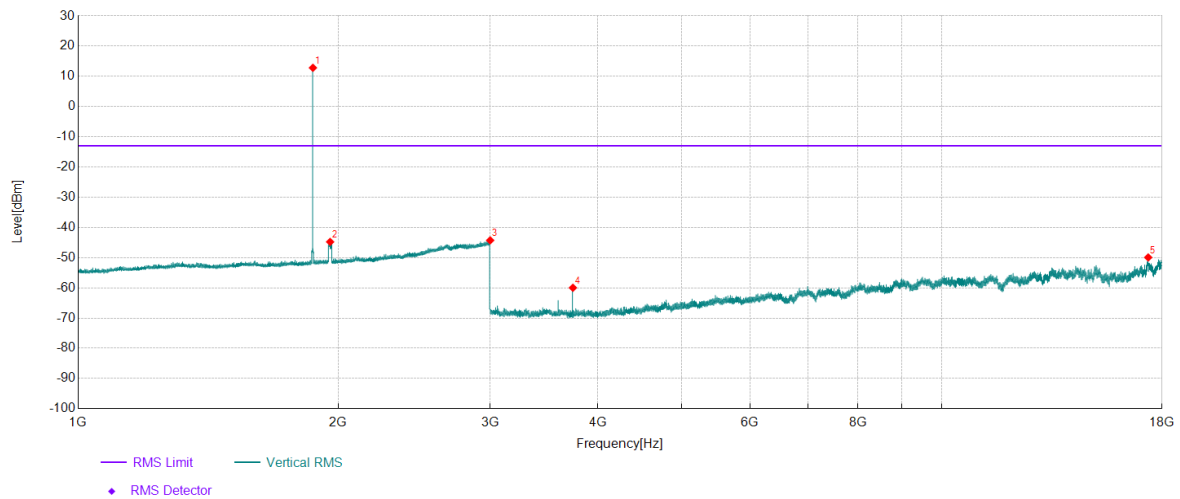


Data List								
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1870.40	108.91	-84.97	23.94	-	-	Horizontal	NA
2	1964.20	53.18	-84.81	-31.63	-	-	Horizontal	NA
3	2978.40	36.14	-79.96	-43.82	-13.00	30.82	Horizontal	PASS
4	3741.00	45.76	-107.44	-61.68	-13.00	48.68	Horizontal	PASS
5	17335.50	32.95	-83.06	-50.11	-13.00	37.11	Horizontal	PASS

Project Information

Mode:	NR SA	Band:	n2
Bandwidth:	20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



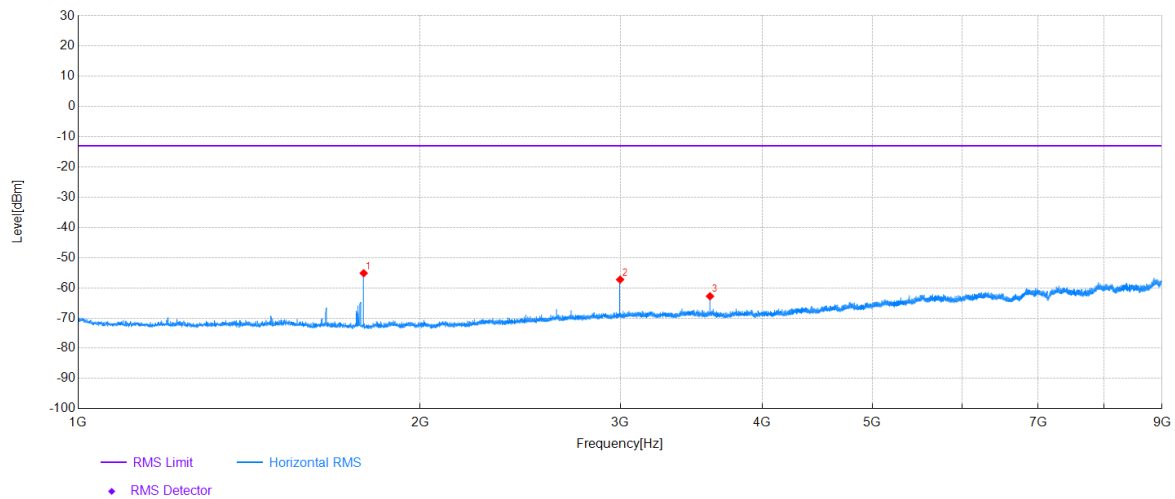
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1870.40	97.81	-84.97	12.84	-	-	Vertical	NA
2	1958.00	39.97	-84.75	-44.78	-	-	Vertical	NA
3	3000.00	36.04	-80.32	-44.28	-13.00	31.28	Vertical	PASS
4	3741.00	47.46	-107.44	-59.98	-13.00	46.98	Vertical	PASS
5	17347.00	32.59	-82.53	-49.94	-13.00	36.94	Vertical	PASS

Project Information

Mode:	NR SA	Band:	n5
Bandwidth:	20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



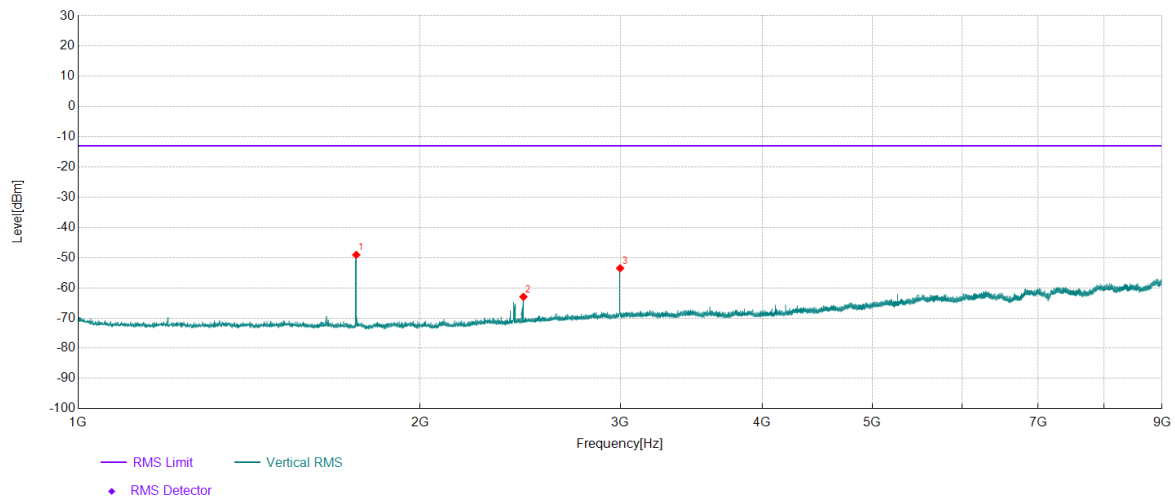
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1784.00	58.82	-113.98	-55.16	-13.00	42.16	Horizontal	PASS
2	3000.00	51.82	-109.08	-57.26	-13.00	44.26	Horizontal	PASS
3	3600.00	44.31	-107.09	-62.78	-13.00	49.78	Horizontal	PASS

Project Information

Mode:	NR SA	Band:	n5
Bandwidth:	20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



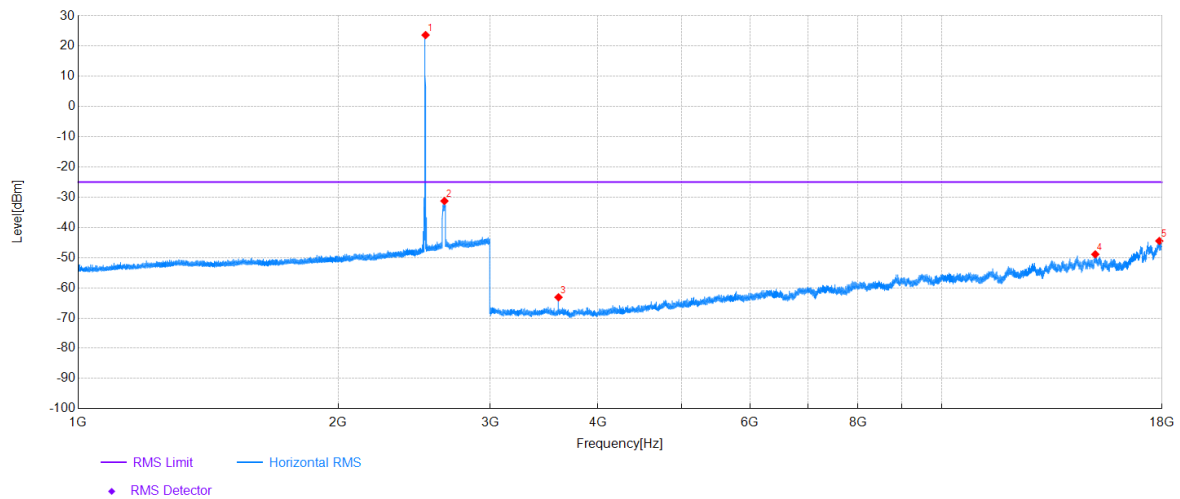
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1757.20	64.89	-113.96	-49.07	-13.00	36.07	Vertical	PASS
2	2466.00	48.24	-111.21	-62.97	-13.00	49.97	Vertical	PASS
3	3000.00	55.57	-109.08	-53.51	-13.00	40.51	Vertical	PASS

Project Information

Mode:	NR SA	Band:	n7
Bandwidth:	20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



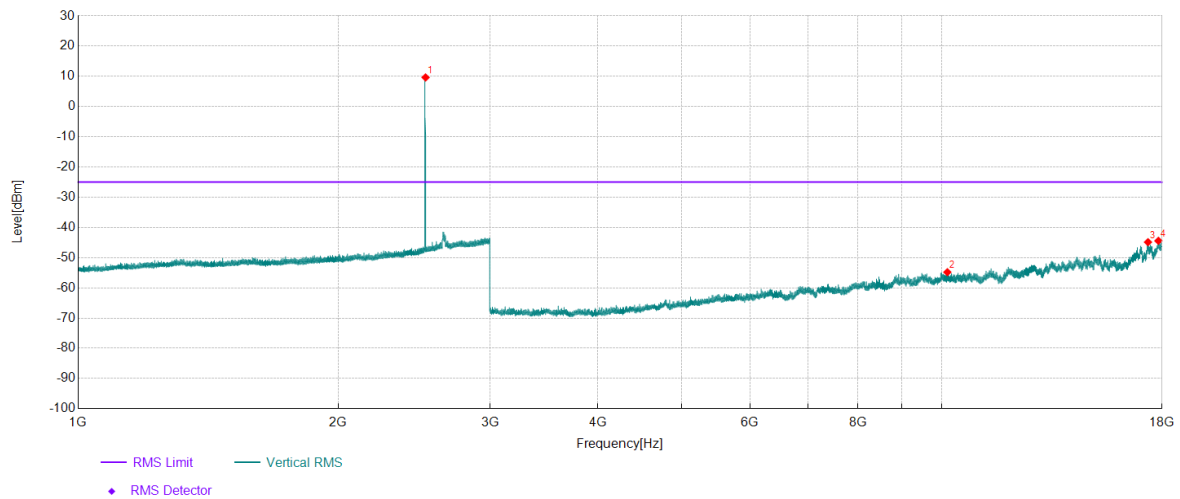
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	2525.50	106.73	-83.05	23.68	-	-	Horizontal	NA
2	2656.00	50.77	-82.02	-31.25	-	-	Horizontal	NA
3	3600.00	43.85	-106.98	-63.13	-25.00	38.13	Horizontal	PASS
4	15064.50	37.42	-86.32	-48.90	-25.00	23.90	Horizontal	PASS
5	17870.00	38.21	-82.70	-44.49	-25.00	19.49	Horizontal	PASS

Project Information

Mode:	NR SA	Band:	n7
Bandwidth:	20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



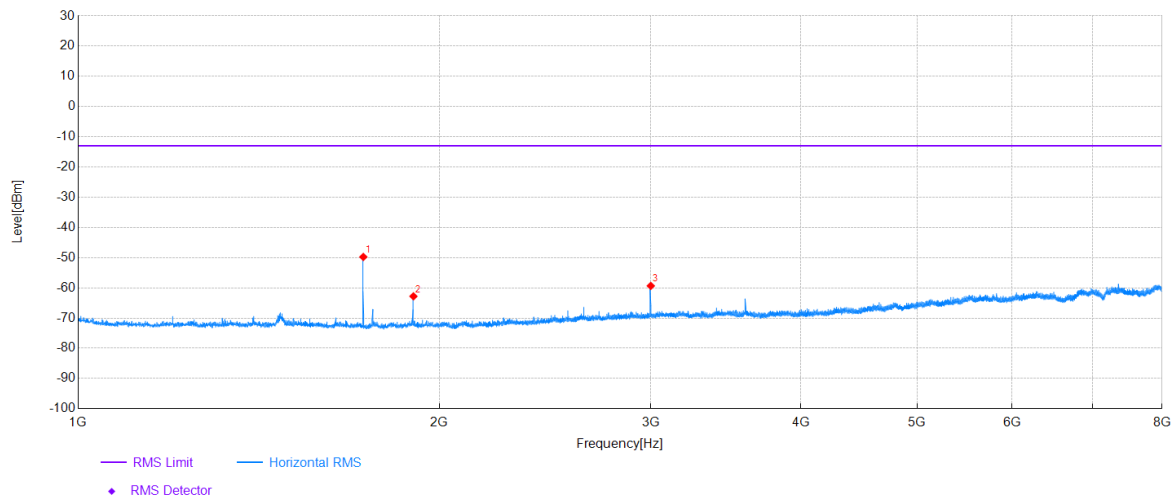
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	2525.50	92.70	-83.05	9.65	-	-	Vertical	NA
2	10154.50	37.19	-92.00	-54.81	-25.00	29.81	Vertical	PASS
3	17338.50	38.06	-82.93	-44.87	-25.00	19.87	Vertical	PASS
4	17826.50	38.38	-82.81	-44.43	-25.00	19.43	Vertical	PASS

Project Information

Mode:	NR SA	Band:	n12
Bandwidth:	15MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



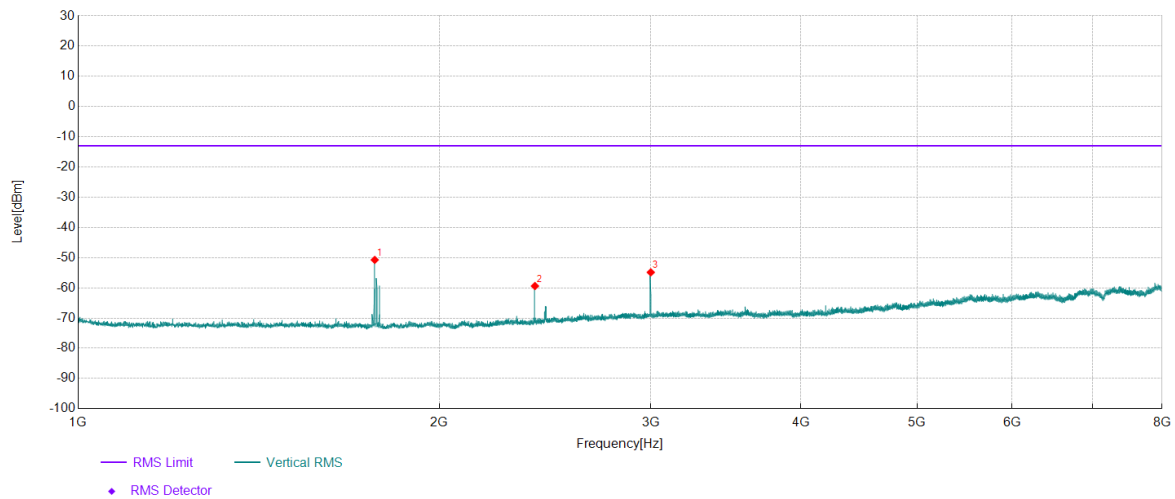
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1728.35	64.29	-114.06	-49.77	-13.00	36.77	Horizontal	PASS
2	1902.65	50.77	-113.58	-62.81	-13.00	49.81	Horizontal	PASS
3	2999.90	49.73	-109.08	-59.35	-13.00	46.35	Horizontal	PASS

Project Information

Mode:	NR SA	Band:	n12
Bandwidth:	15MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



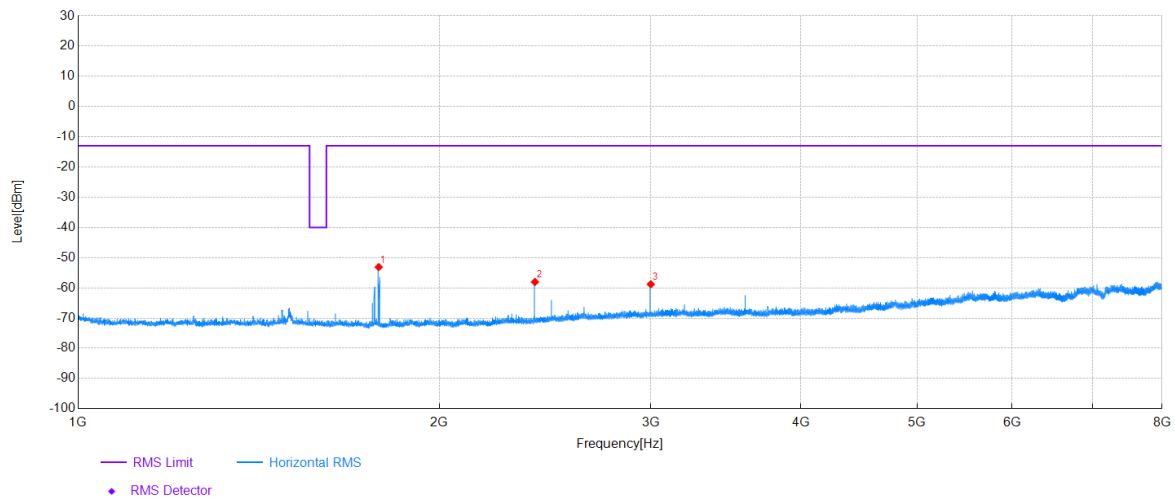
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1766.50	63.21	-113.96	-50.75	-13.00	37.75	Vertical	PASS
2	2402.10	52.80	-112.20	-59.40	-13.00	46.40	Vertical	PASS
3	2999.90	54.21	-109.08	-54.87	-13.00	41.87	Vertical	PASS

Project Information

Mode:	NR SA	Band:	n13
Bandwidth:	10MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



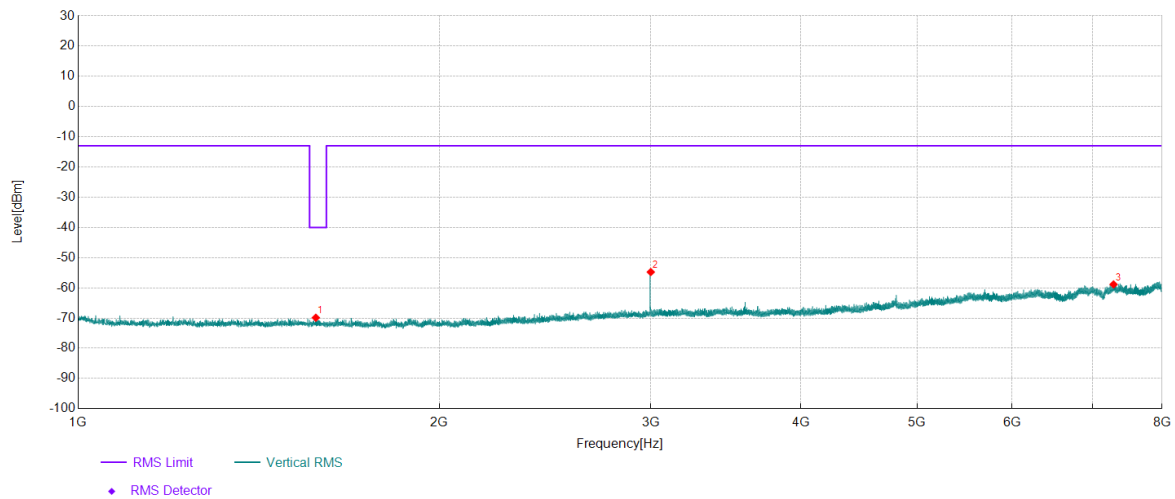
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1780.03	60.85	-113.97	-53.12	-13.00	40.12	Horizontal	PASS
2	2402.10	54.16	-112.20	-58.04	-13.00	45.04	Horizontal	PASS
3	3000.13	50.27	-109.08	-58.81	-13.00	45.81	Horizontal	PASS

Project Information

Mode:	NR SA	Band:	n13
Bandwidth:	10MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



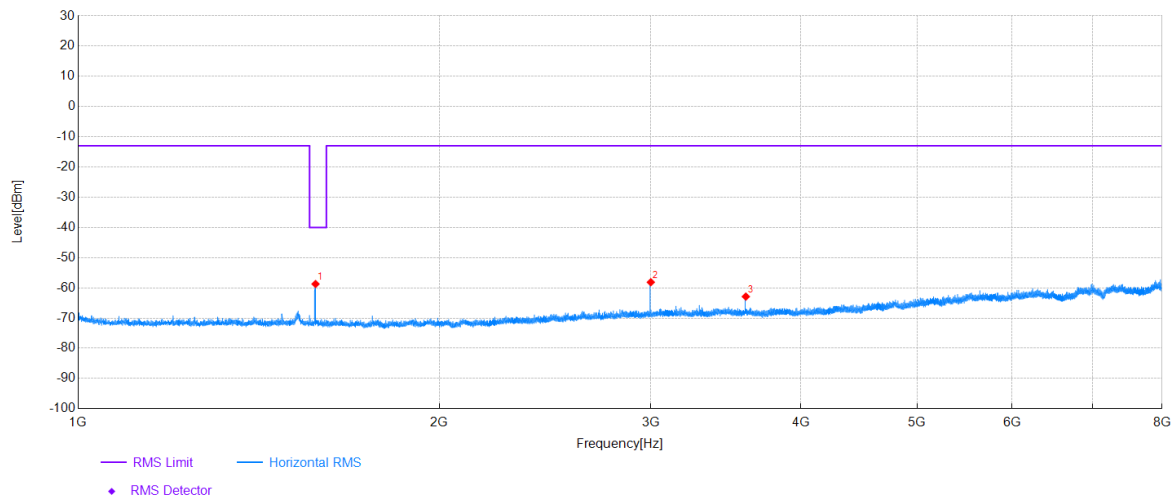
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1577.73	44.31	-114.19	-69.88	-40.00	29.88	Vertical	PASS
2	2999.90	54.32	-109.08	-54.76	-13.00	41.76	Vertical	PASS
3	7289.73	37.22	-96.09	-58.87	-13.00	45.87	Vertical	PASS

Project Information

Mode:	NR SA	Band:	n14
Bandwidth:	10MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



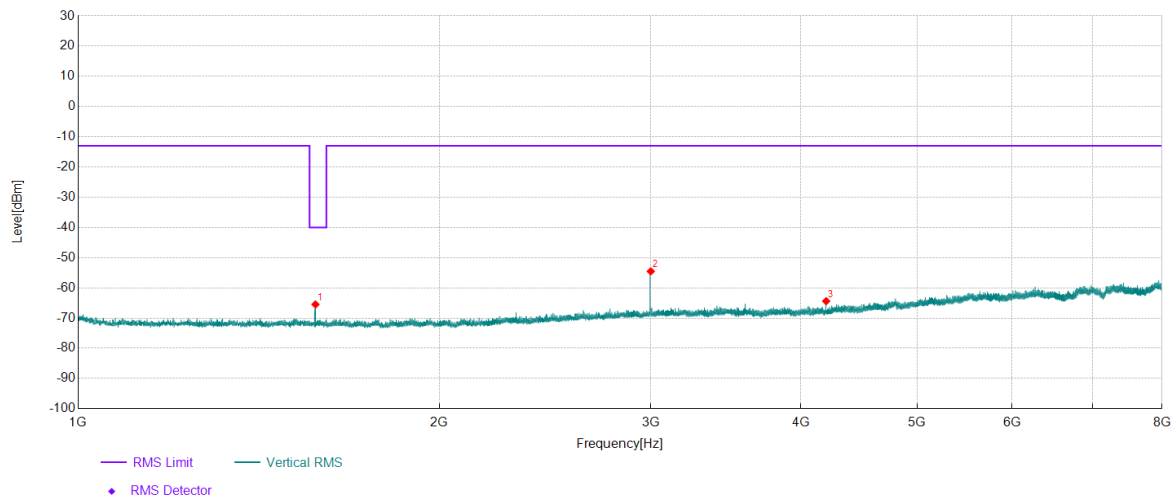
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1576.80	55.46	-114.18	-58.72	-40.00	18.72	Horizontal	PASS
2	3000.13	50.94	-109.08	-58.14	-13.00	45.14	Horizontal	PASS
3	3600.03	44.19	-107.09	-62.90	-13.00	49.90	Horizontal	PASS

Project Information

Mode:	NR SA	Band:	n14
Bandwidth:	10MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



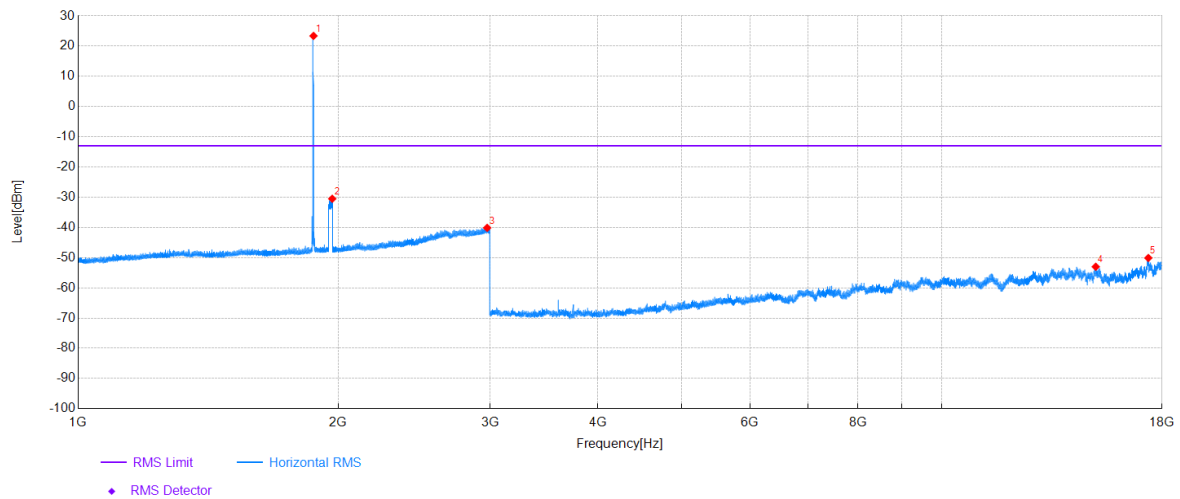
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1576.57	48.69	-114.18	-65.49	-40.00	25.49	Vertical	PASS
2	2999.90	54.54	-109.08	-54.54	-13.00	41.54	Vertical	PASS
3	4199.93	41.11	-105.51	-64.40	-13.00	51.40	Vertical	PASS

Project Information

Mode:	NR SA	Band:	n25
Bandwidth:	20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



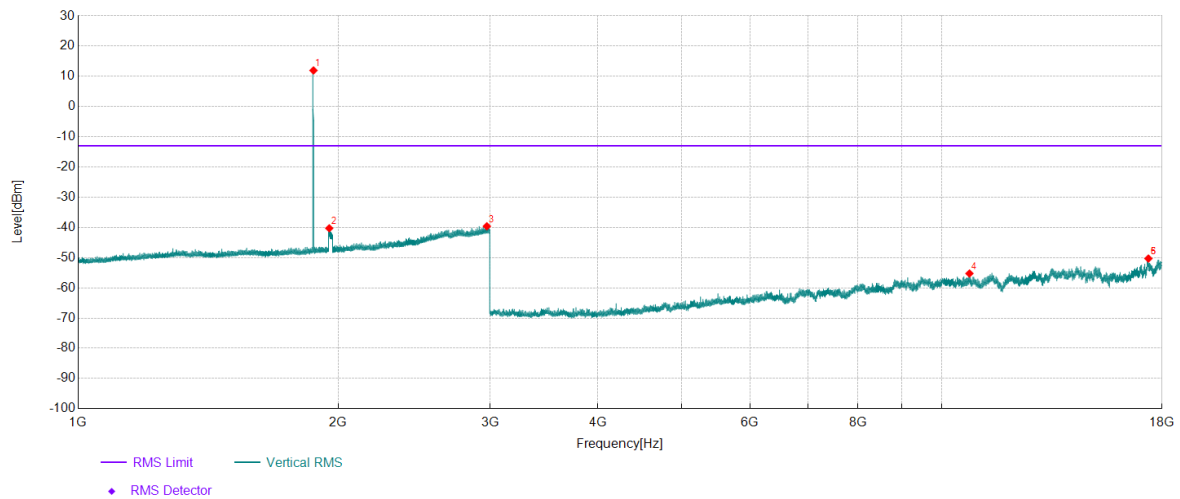
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1873.14	108.37	-84.97	23.40	-	-	Horizontal	NA
2	1969.25	54.34	-84.85	-30.51	-	-	Horizontal	NA
3	2976.60	39.79	-79.93	-40.14	-13.00	27.14	Horizontal	PASS
4	15084.00	33.23	-86.25	-53.02	-13.00	40.02	Horizontal	PASS
5	17353.00	32.41	-82.52	-50.11	-13.00	37.11	Horizontal	PASS

Project Information

Mode:	NR SA	Band:	n25
Bandwidth:	20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



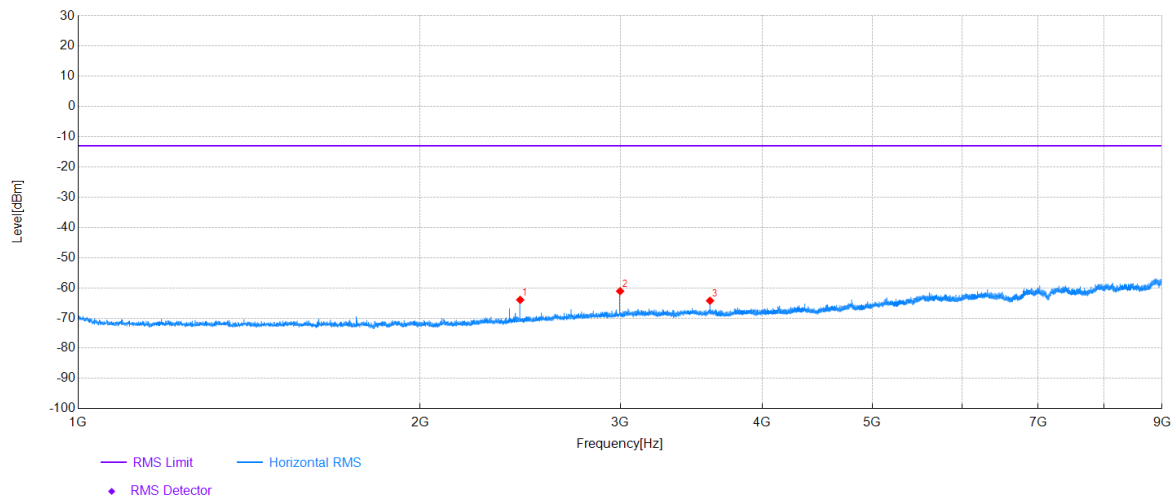
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1873.04	96.94	-84.97	11.97	-	-	Vertical	NA
2	1953.35	44.44	-84.71	-40.27	-	-	Vertical	NA
3	2973.90	40.28	-79.90	-39.62	-13.00	26.62	Vertical	PASS
4	10770.50	35.69	-90.94	-55.25	-13.00	42.25	Vertical	PASS
5	17358.00	32.41	-82.71	-50.30	-13.00	37.30	Vertical	PASS
6	17358.00	32.41	-82.71	-50.30	-13.00	37.30	Vertical	PASS

Project Information

Mode:	NR SA	Band:	n26(814-824MHz)
Bandwidth:	10MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



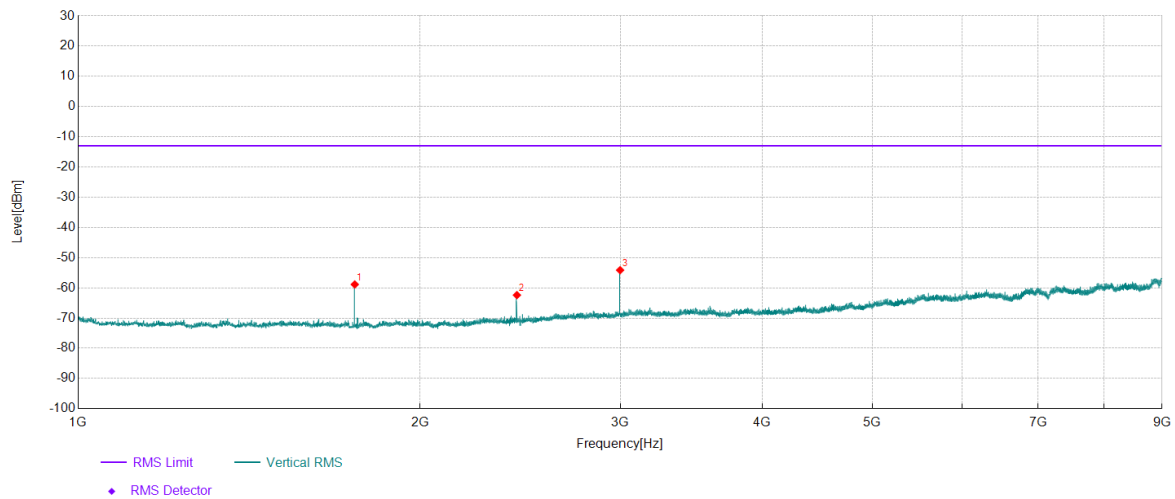
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	2450.00	47.14	-111.11	-63.97	-13.00	50.97	Horizontal	PASS
2	3000.00	47.98	-109.08	-61.10	-13.00	48.10	Horizontal	PASS
3	3600.00	42.83	-107.09	-64.26	-13.00	51.26	Horizontal	PASS

Project Information

Mode:	NR SA	Band:	n26(814-824MHz)
Bandwidth:	10MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



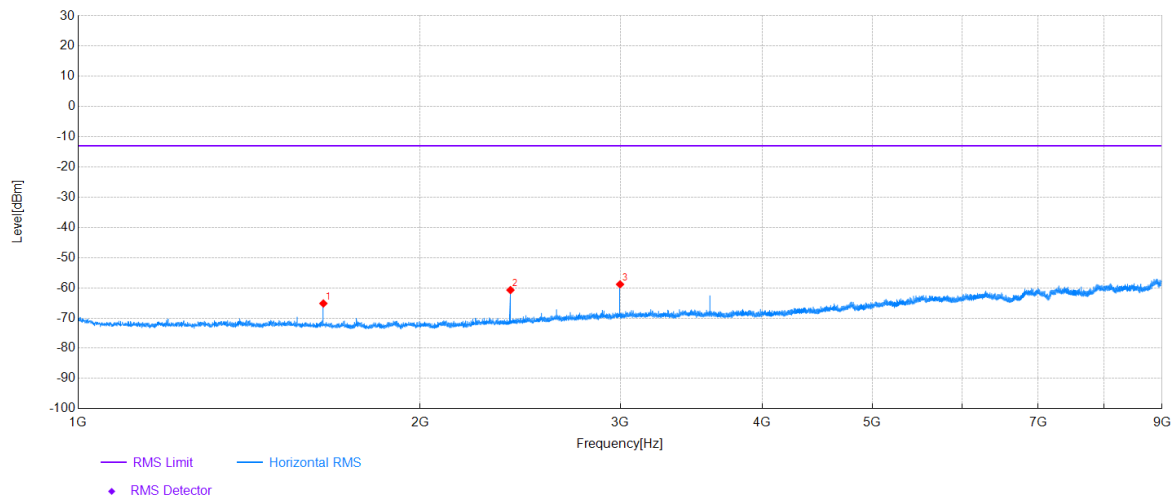
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1752.00	55.07	-113.95	-58.88	-13.00	45.88	Vertical	PASS
2	2434.00	49.07	-111.47	-62.40	-13.00	49.40	Vertical	PASS
3	3000.00	54.94	-109.08	-54.14	-13.00	41.14	Vertical	PASS

Project Information

Mode:	NR SA	Band:	n26(824-849MHz)
Bandwidth:	20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



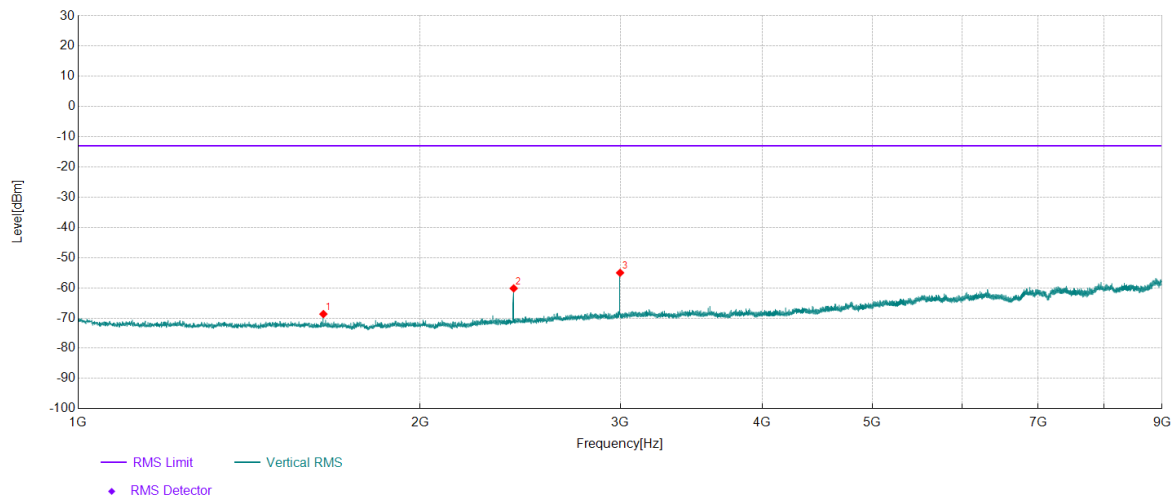
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1644.00	48.94	-114.11	-65.17	-13.00	52.17	Horizontal	PASS
2	2402.00	51.47	-112.20	-60.73	-13.00	47.73	Horizontal	PASS
3	3000.00	50.24	-109.08	-58.84	-13.00	45.84	Horizontal	PASS

Project Information

Mode:	NR SA	Band:	n26(824-849MHz)
Bandwidth:	20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



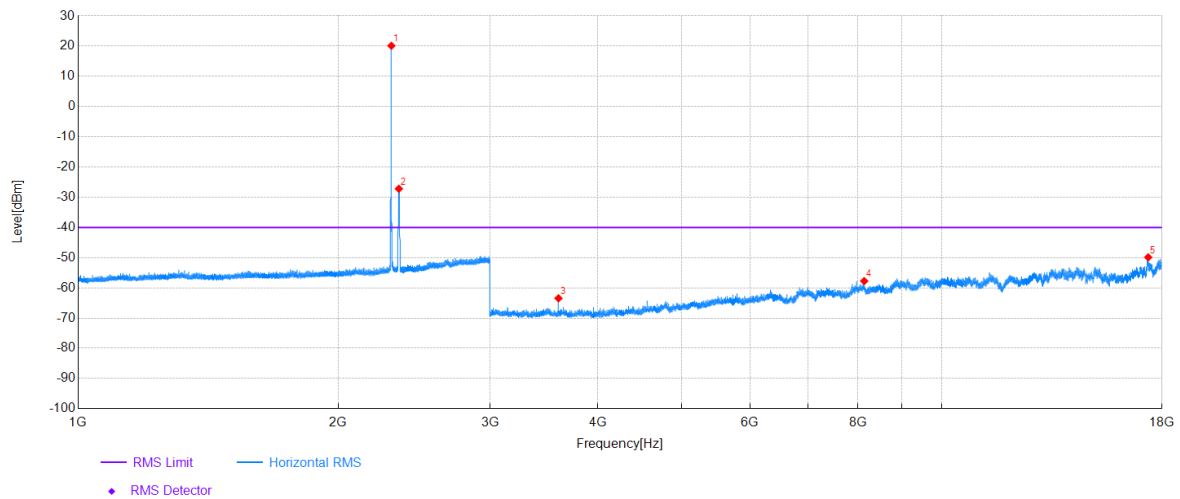
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1644.00	45.43	-114.11	-68.68	-13.00	55.68	Vertical	PASS
2	2418.00	51.67	-111.84	-60.17	-13.00	47.17	Vertical	PASS
3	3000.00	54.06	-109.08	-55.02	-13.00	42.02	Vertical	PASS

Project Information

Mode:	NR SA	Band:	n30
Bandwidth:	10MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



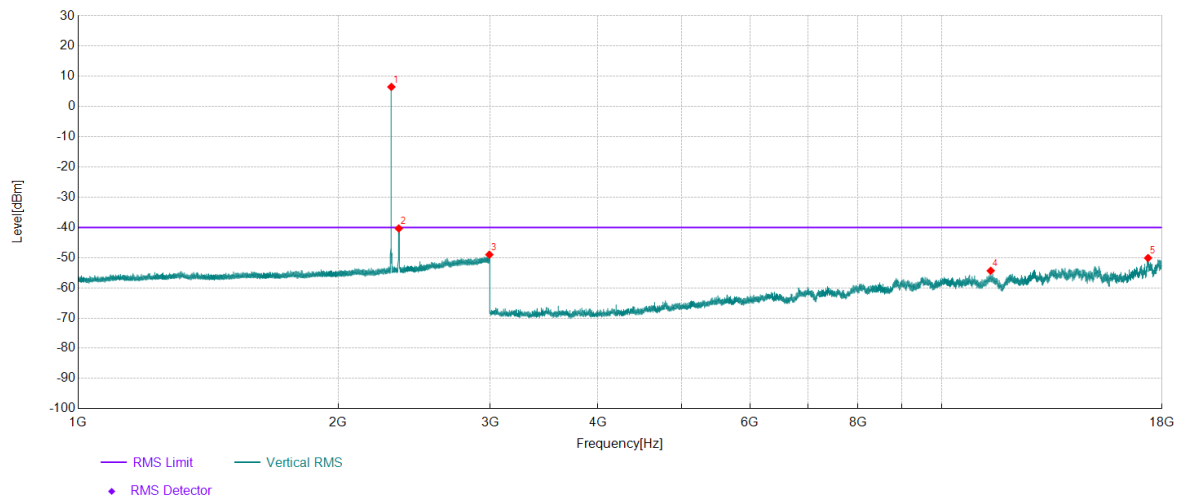
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	2305.30	103.84	-83.72	20.12	-	-	Horizontal	NA
2	2351.80	56.47	-83.67	-27.20	-	-	Horizontal	NA
3	3600.00	43.53	-106.98	-63.45	-40.00	23.45	Horizontal	PASS
4	8135.00	36.90	-94.66	-57.76	-40.00	17.76	Horizontal	PASS
5	17348.50	32.58	-82.47	-49.89	-40.00	9.89	Horizontal	PASS

Project Information

Mode:	NR SA	Band:	n30
Bandwidth:	10MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



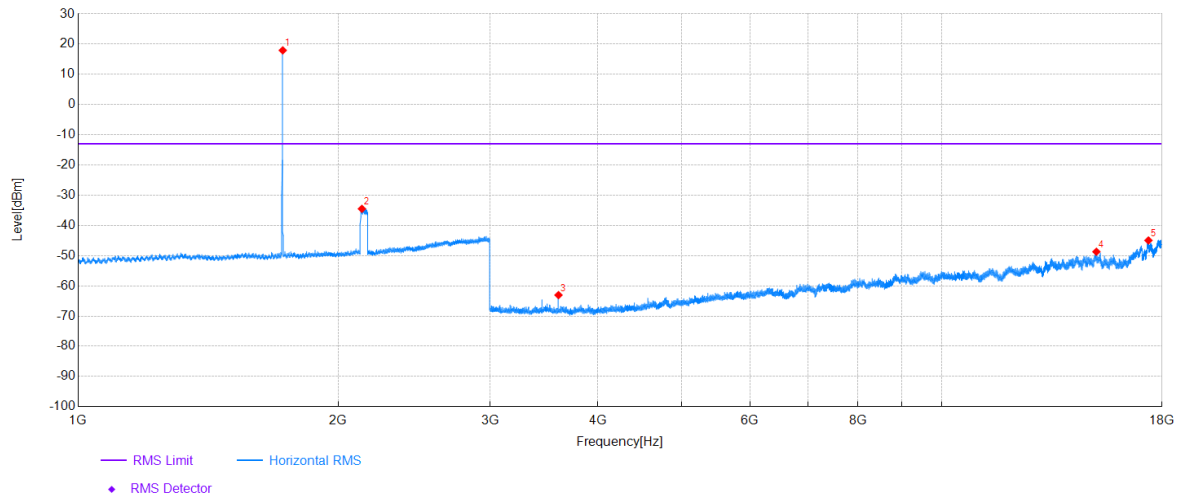
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	2305.40	90.23	-83.72	6.51	-	-	Vertical	NA
2	2351.70	43.33	-83.67	-40.34	-	-	Vertical	NA
3	2993.90	31.20	-80.22	-49.02	-40.00	9.02	Vertical	PASS
4	11398.50	35.59	-89.94	-54.35	-40.00	14.35	Vertical	PASS
5	17341.50	32.67	-82.79	-50.12	-40.00	10.12	Vertical	PASS

Project Information

Mode:	NR SA	Band:	n66
Bandwidth:	40MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



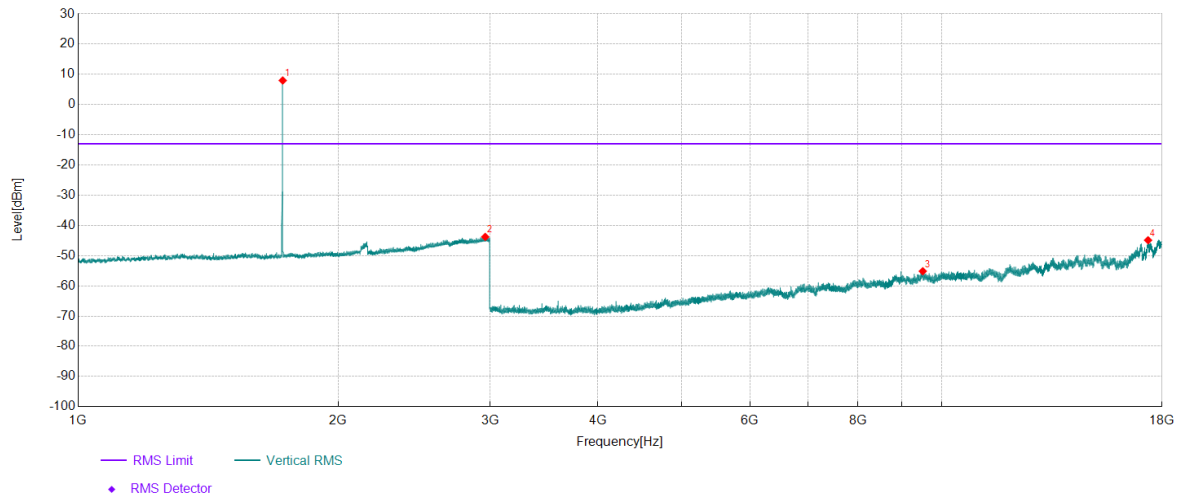
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1725.60	97.90	-79.95	17.95	-	-	Horizontal	NA
2	2131.00	44.65	-79.15	-34.50	-	-	Horizontal	NA
3	3600.00	43.92	-106.98	-63.06	-13.00	50.06	Horizontal	PASS
4	15109.00	37.62	-86.33	-48.71	-13.00	35.71	Horizontal	PASS
5	17359.00	37.78	-82.75	-44.97	-13.00	31.97	Horizontal	PASS

Project Information

Mode:	NR SA	Band:	n66
Bandwidth:	40MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



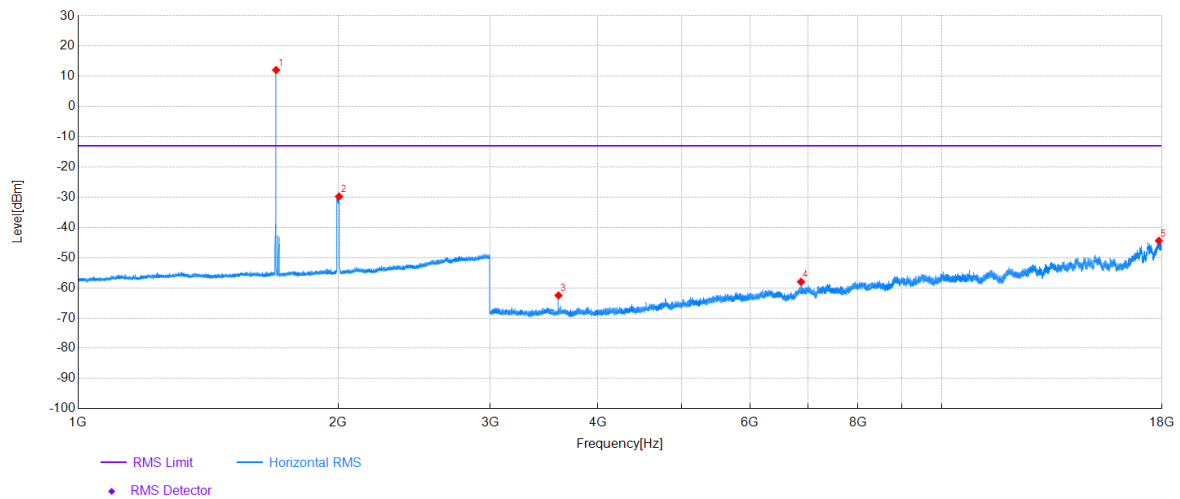
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1725.60	87.93	-79.95	7.98	-	-	Vertical	NA
2	2961.20	31.09	-74.88	-43.79	-13.00	30.79	Vertical	PASS
3	9510.00	37.46	-92.62	-55.16	-13.00	42.16	Vertical	PASS
4	17342.00	37.87	-82.77	-44.90	-13.00	31.90	Vertical	PASS

Project Information

Mode:	NR SA	Band:	n70
Bandwidth:	15MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



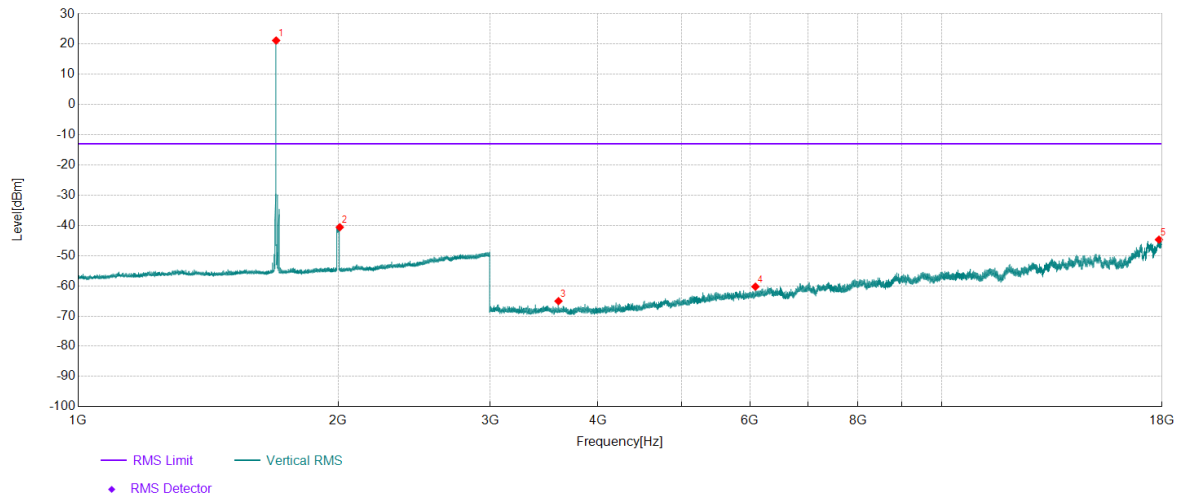
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1695.40	97.51	-85.41	12.10	-	-	Horizontal	NA
2	2004.80	55.17	-84.94	-29.77	-	-	Horizontal	NA
3	3600.00	44.46	-106.98	-62.52	-13.00	49.52	Horizontal	PASS
4	6874.00	39.47	-97.48	-58.01	-13.00	45.01	Horizontal	PASS
5	17855.00	38.10	-82.52	-44.42	-13.00	31.42	Horizontal	PASS

Project Information

Mode:	NR SA	Band:	n70
Bandwidth:	15MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



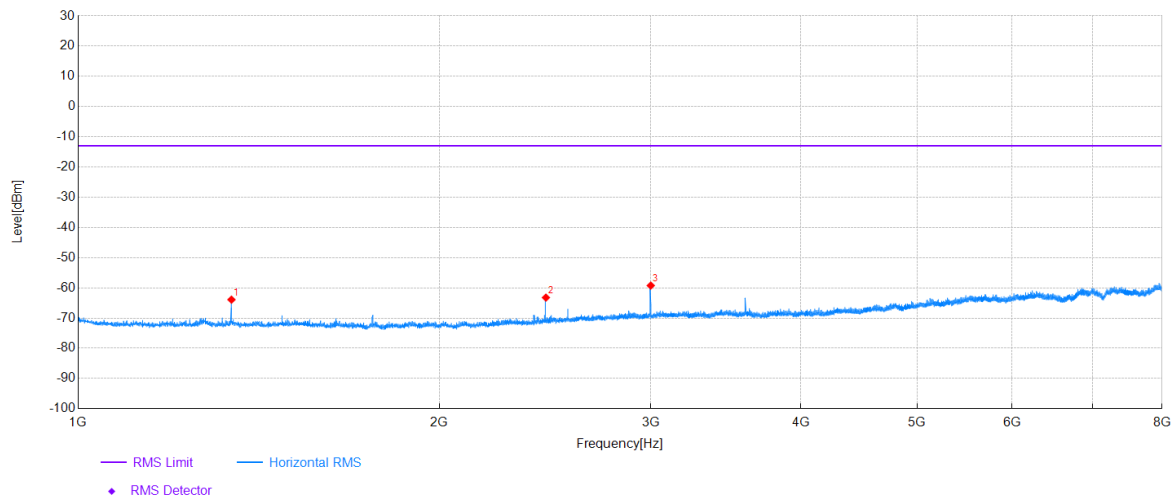
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1695.40	106.62	-85.41	21.21	-	-	Vertical	NA
2	2009.00	44.35	-84.96	-40.61	-	-	Vertical	NA
3	3600.00	41.92	-106.98	-65.06	-13.00	52.06	Vertical	PASS
4	6086.50	39.74	-100.01	-60.27	-13.00	47.27	Vertical	PASS
5	17853.50	37.79	-82.50	-44.71	-13.00	31.71	Vertical	PASS

Project Information

Mode:	NR SA	Band:	n71
Bandwidth:	20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



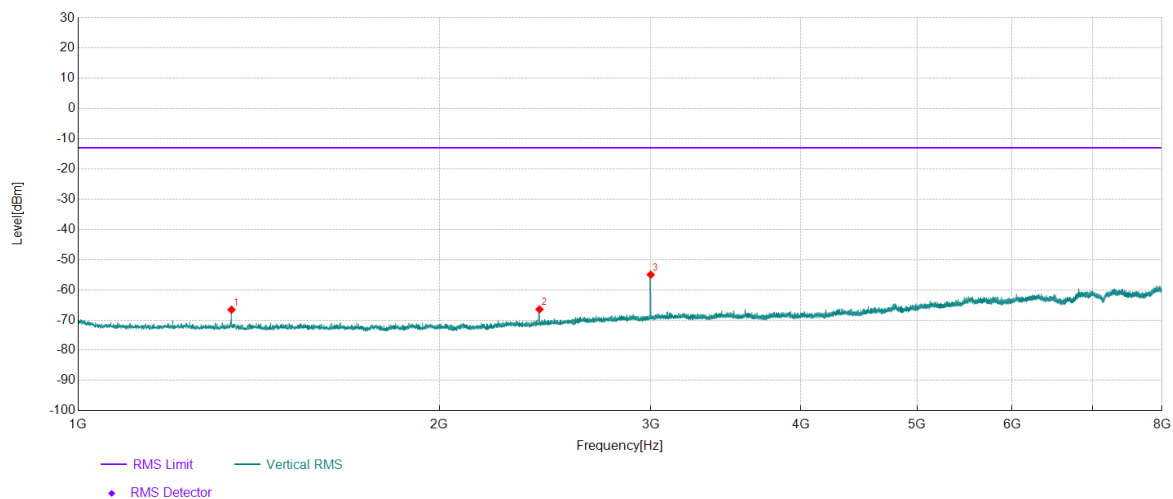
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1341.95	50.31	-114.22	-63.91	-13.00	50.91	Horizontal	PASS
2	2453.20	47.91	-111.13	-63.22	-13.00	50.22	Horizontal	PASS
3	2999.90	49.84	-109.08	-59.24	-13.00	46.24	Horizontal	PASS

Project Information

Mode:	NR SA	Band:	n71
Bandwidth:	20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



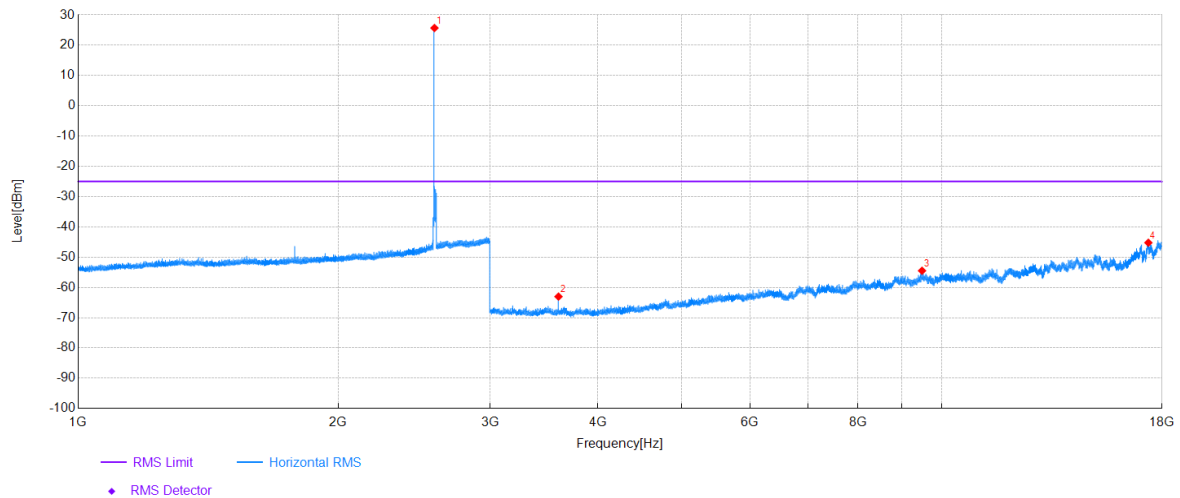
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1341.95	47.63	-114.22	-66.59	-13.00	53.59	Vertical	PASS
2	2423.10	45.28	-111.73	-66.45	-13.00	53.45	Vertical	PASS
3	2999.90	54.10	-109.08	-54.98	-13.00	41.98	Vertical	PASS

Test Result for NR SA MIMO

Project Information			
Mode:	SA UL MIMO	Band:	n38
Bandwidth:	20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph

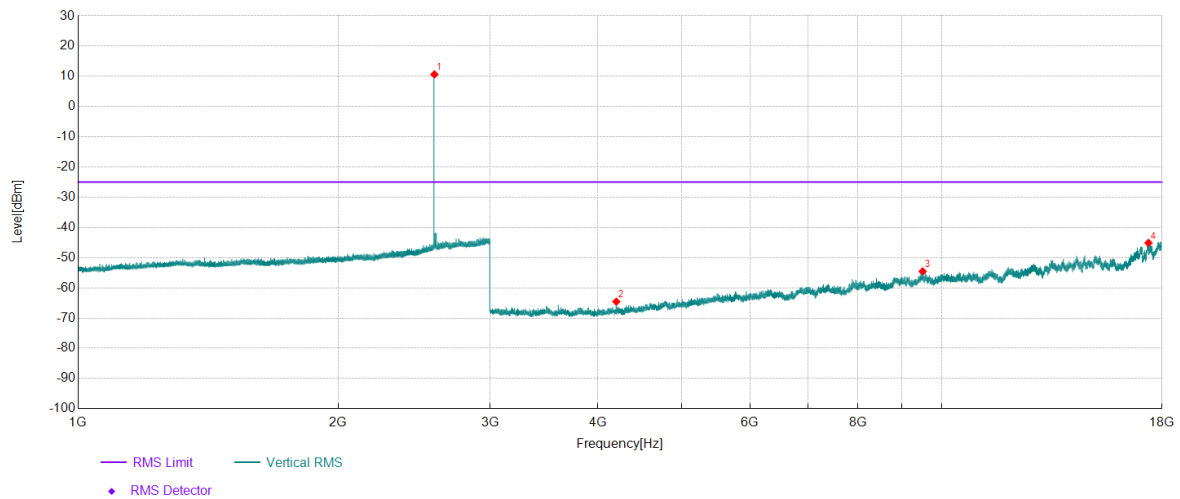


Data List								
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	2586.10	108.12	-82.41	25.71	-	-	Horizontal	NA
2	3600.00	43.96	-106.98	-63.02	-25.00	38.02	Horizontal	PASS
3	9491.50	38.27	-92.75	-54.48	-25.00	29.48	Horizontal	PASS
4	17355.50	37.38	-82.61	-45.23	-25.00	20.23	Horizontal	PASS

Project Information

Mode:	SA UL MIMO	Band:	n38
Bandwidth:	20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



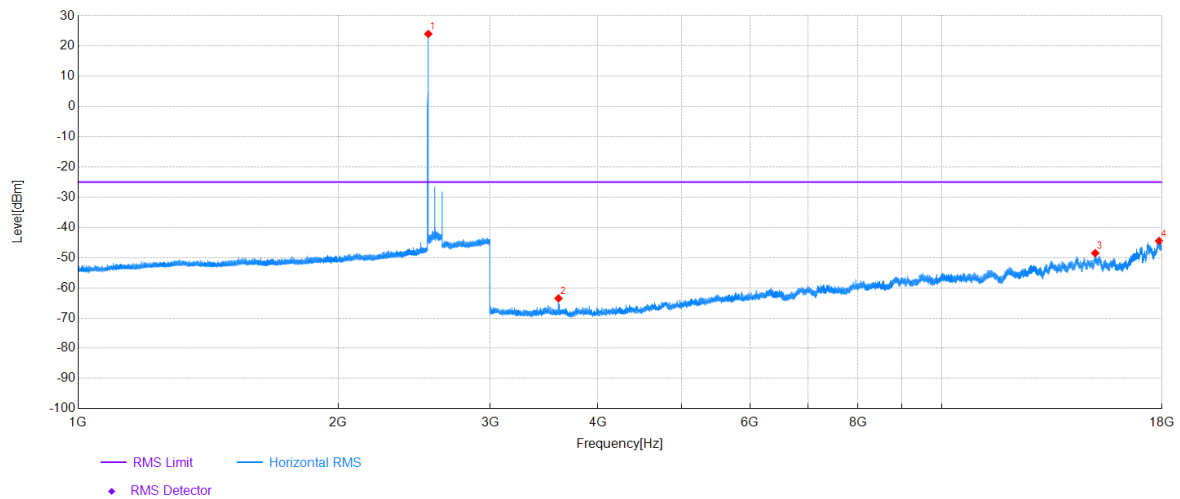
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	2585.80	93.06	-82.40	10.66	-	-	Vertical	NA
2	4200.00	40.75	-105.32	-64.57	-25.00	39.57	Vertical	PASS
3	9507.00	38.05	-92.61	-54.56	-25.00	29.56	Vertical	PASS
4	17361.50	37.73	-82.85	-45.12	-25.00	20.12	Vertical	PASS

Project Information

Mode:	SA UL MIMO	Band:	n41
Bandwidth:	100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



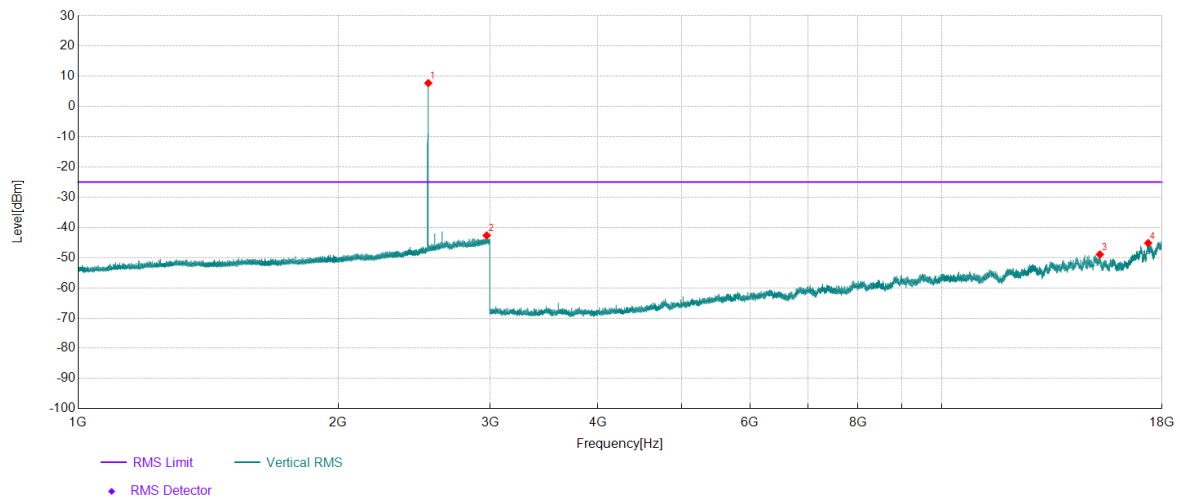
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	2544.00	106.78	-82.72	24.06	-	-	Horizontal	NA
2	3600.00	43.49	-106.98	-63.49	-25.00	38.49	Horizontal	PASS
3	15063.00	37.83	-86.33	-48.50	-25.00	23.50	Horizontal	PASS
4	17858.00	38.10	-82.55	-44.45	-25.00	19.45	Horizontal	PASS

Project Information

Mode:	SA UL MIMO	Band:	n41
Bandwidth:	100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



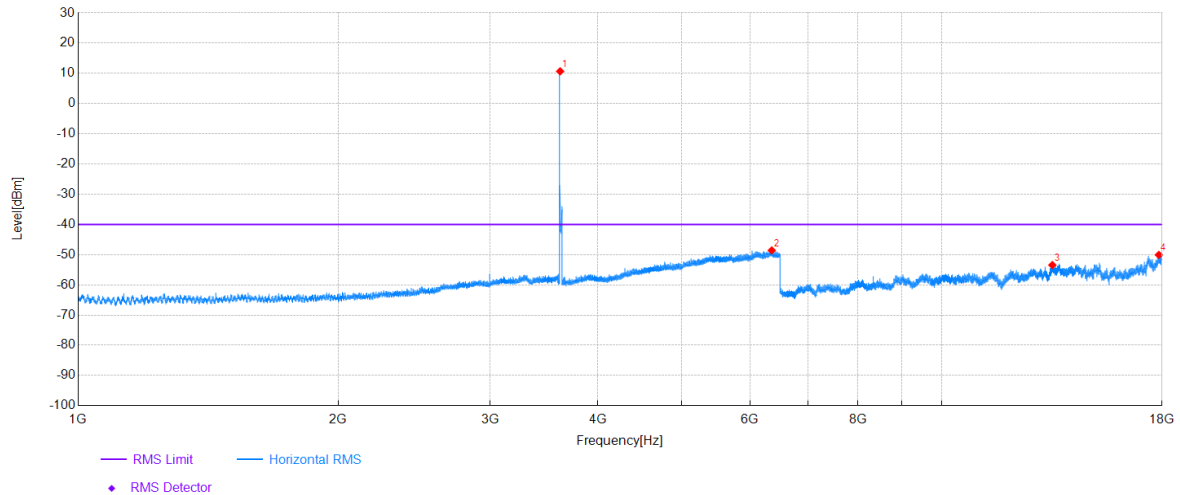
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	2544.00	90.50	-82.72	7.78	-	-	Vertical	NA
2	2972.70	37.25	-79.91	-42.66	-25.00	17.66	Vertical	PASS
3	15250.00	36.97	-85.91	-48.94	-25.00	23.94	Vertical	PASS
4	17347.50	37.34	-82.51	-45.17	-25.00	20.17	Vertical	PASS

Project Information

Mode:	SA UL MIMO	Band:	n48
Bandwidth:	20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



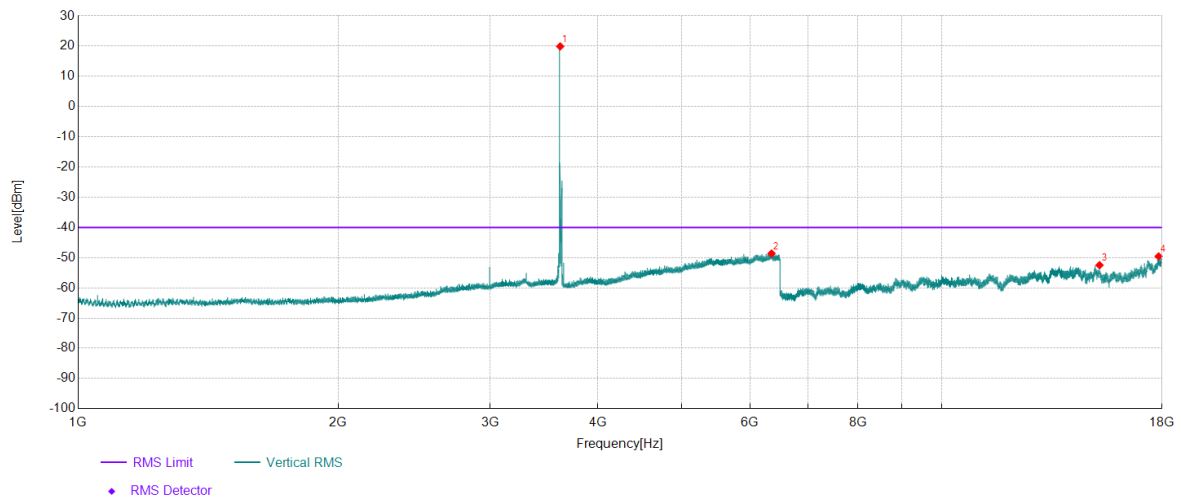
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	3616.08	99.32	-88.64	10.68	-	-	Horizontal	NA
2	6357.28	31.35	-79.94	-48.59	-40.00	8.59	Horizontal	PASS
3	13434.73	34.70	-88.14	-53.44	-40.00	13.44	Horizontal	PASS
4	17847.43	31.30	-81.38	-50.08	-40.00	10.08	Horizontal	PASS

Project Information

Mode:	SA UL MIMO	Band:	n48
Bandwidth:	20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



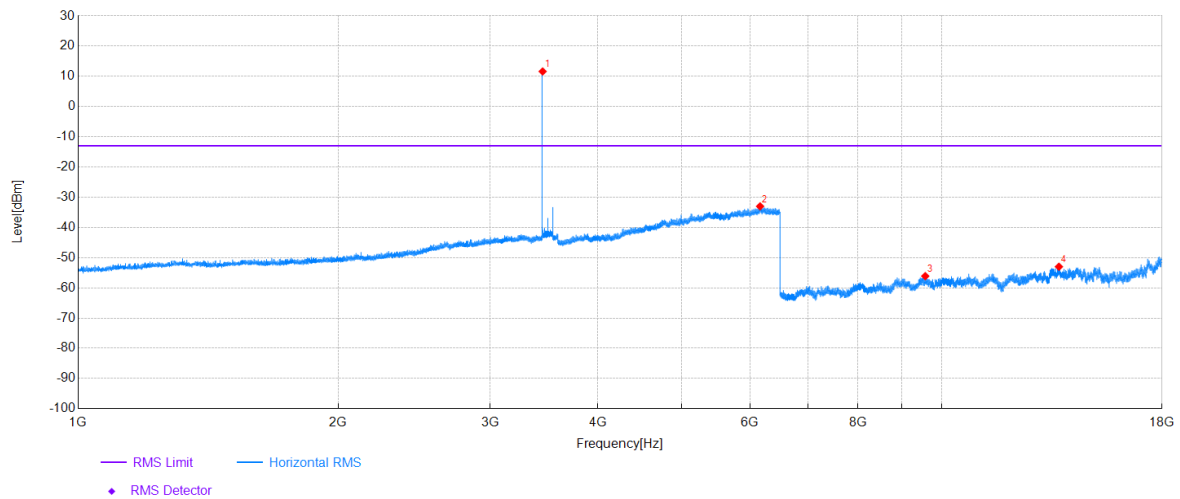
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	3615.80	108.57	-88.64	19.93	-	-	Vertical	NA
2	6353.98	31.28	-79.91	-48.63	-40.00	8.63	Vertical	PASS
3	15236.84	33.27	-85.76	-52.49	-40.00	12.49	Vertical	PASS
4	17836.31	32.28	-81.86	-49.58	-40.00	9.58	Vertical	PASS

Project Information

Mode:	SA UL MIMO	Band:	n77(3450-3550MHz)
Bandwidth:	100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



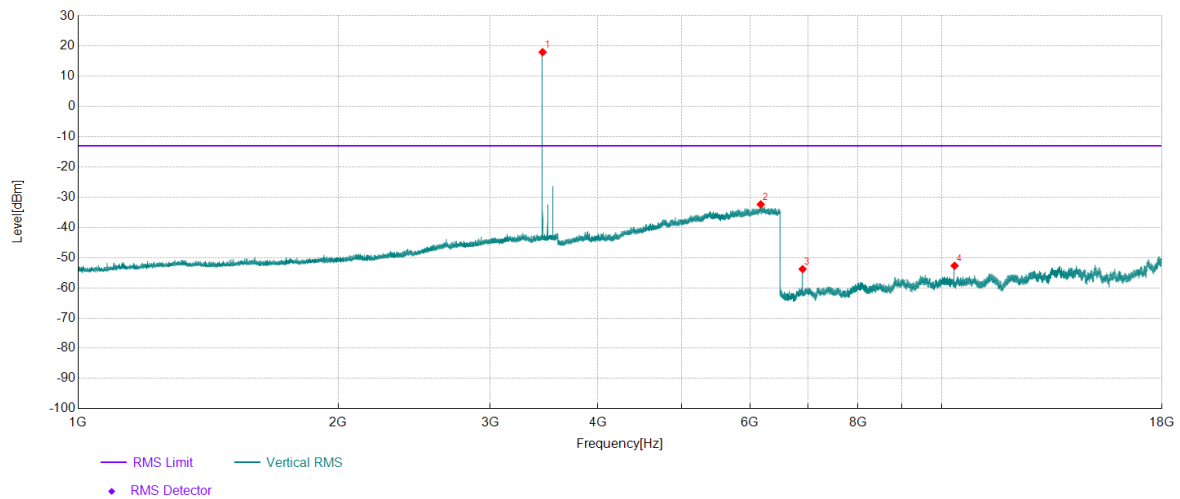
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	3451.08	90.06	-78.42	11.64	-	-	Horizontal	NA
2	6162.85	37.04	-70.06	-33.02	-13.00	20.02	Horizontal	PASS
3	9573.18	36.39	-92.51	-56.12	-13.00	43.12	Horizontal	PASS
4	13672.55	33.03	-86.04	-53.01	-13.00	40.01	Horizontal	PASS

Project Information

Mode:	SA UL MIMO	Band:	n77(3450-3550MHz)
Bandwidth:	100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



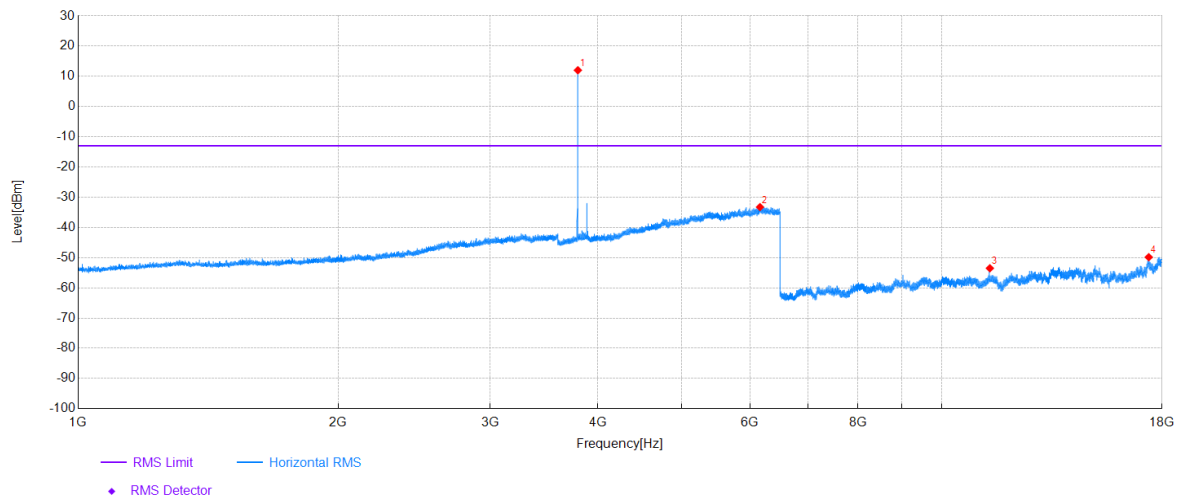
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	3451.08	96.43	-78.42	18.01	-	-	Vertical	NA
2	6173.58	37.38	-69.76	-32.38	-13.00	19.38	Vertical	PASS
3	6902.12	43.18	-96.98	-53.80	-13.00	40.80	Vertical	PASS
4	10353.27	38.79	-91.48	-52.69	-13.00	39.69	Vertical	PASS

Project Information

Mode:	SA UL MIMO	Band:	n77(3700-3980MHz)
Bandwidth:	100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



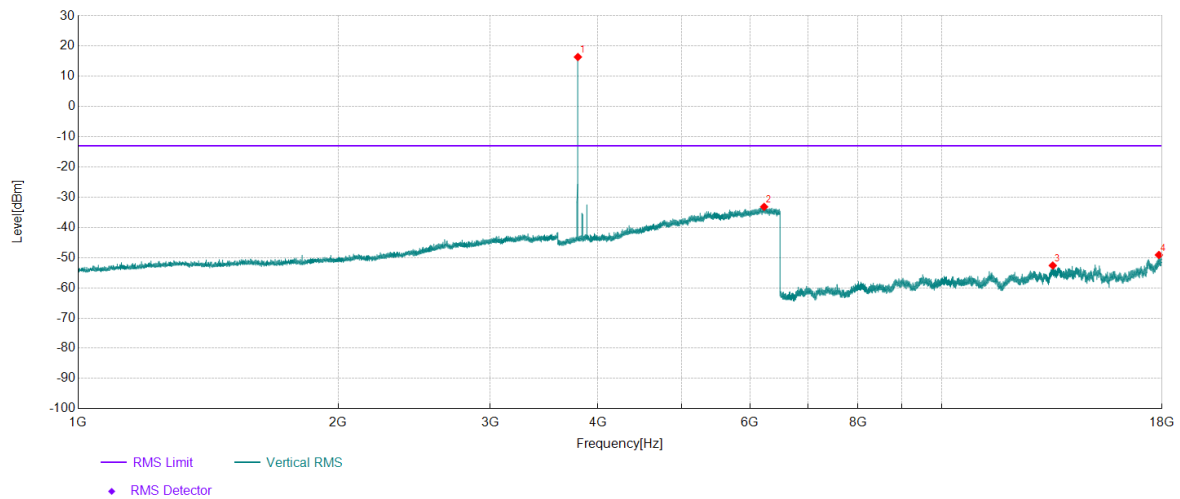
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	3790.98	89.76	-77.73	12.03	-	-	Horizontal	NA
2	6160.93	36.86	-70.12	-33.26	-13.00	20.26	Horizontal	PASS
3	11372.93	36.54	-90.06	-53.52	-13.00	40.52	Horizontal	PASS
4	17374.02	33.25	-83.11	-49.86	-13.00	36.86	Horizontal	PASS

Project Information

Mode:	SA UL MIMO	Band:	n77(3700-3980MHz)
Bandwidth:	100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



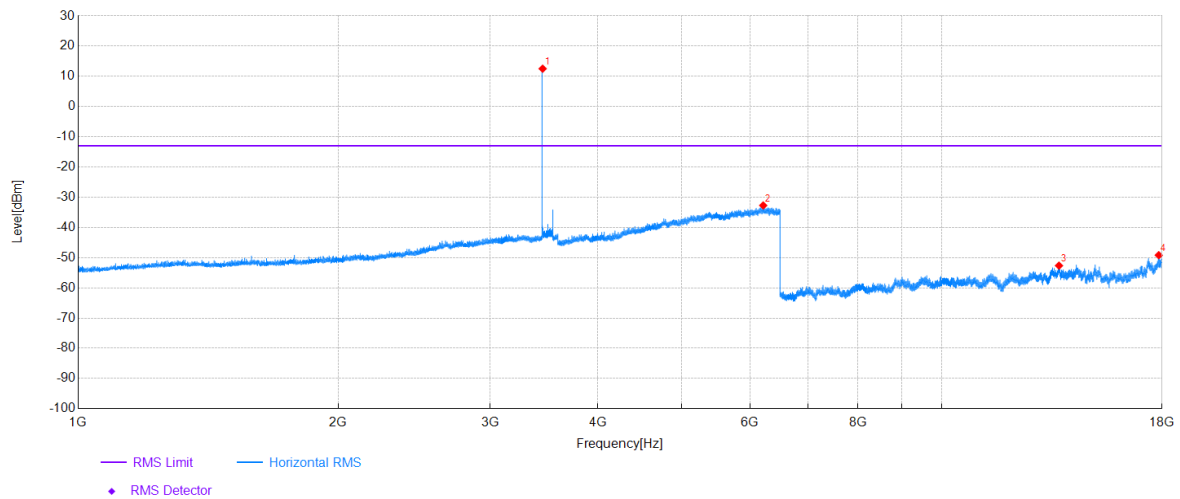
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	3790.98	94.14	-77.73	16.41	-	-	Vertical	NA
2	6229.13	36.82	-70.00	-33.18	-13.00	20.18	Vertical	PASS
3	13450.22	35.33	-87.95	-52.62	-13.00	39.62	Vertical	PASS
4	17850.88	32.17	-81.28	-49.11	-13.00	36.11	Vertical	PASS

Project Information

Mode:	SA UL MIMO	Band:	n78(3450-3550MHz)
Bandwidth:	100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



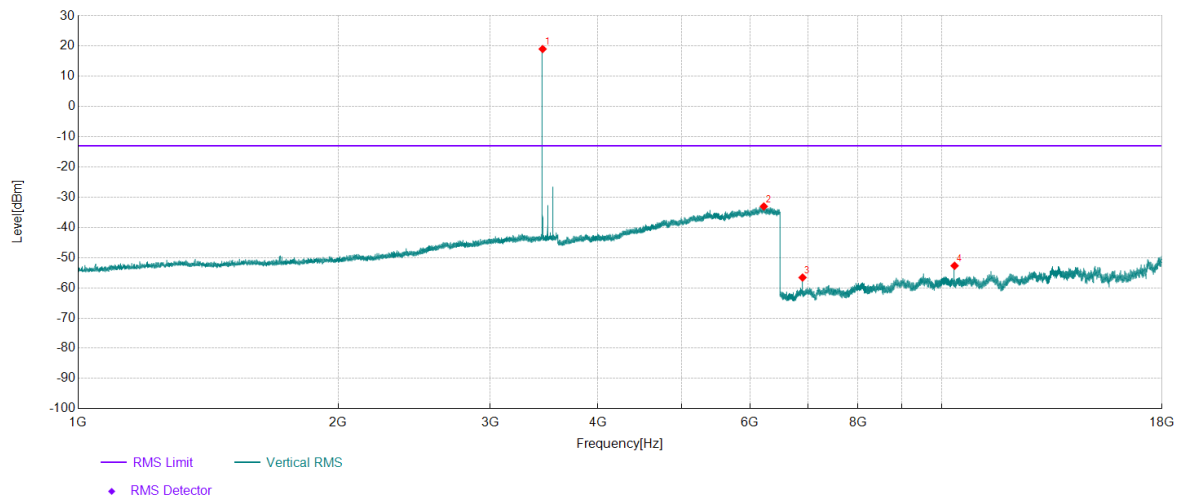
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	3451.08	90.97	-78.42	12.55	-	-	Horizontal	NA
2	6214.28	37.45	-70.18	-32.73	-13.00	19.73	Horizontal	PASS
3	13675.62	33.36	-86.01	-52.65	-13.00	39.65	Horizontal	PASS
4	17843.98	32.34	-81.52	-49.18	-13.00	36.18	Horizontal	PASS

Project Information

Mode:	SA UL MIMO	Band:	n78(3450-3550MHz)
Bandwidth:	100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



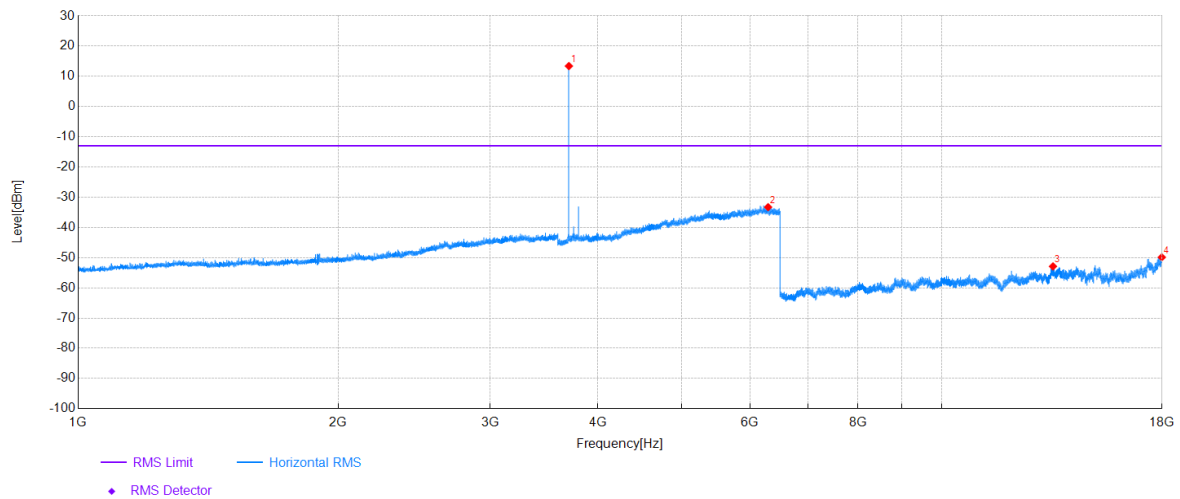
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	3451.08	97.48	-78.42	19.06	-	-	Vertical	NA
2	6224.18	36.89	-69.94	-33.05	-13.00	20.05	Vertical	PASS
3	6901.73	40.38	-96.97	-56.59	-13.00	43.59	Vertical	PASS
4	10352.88	38.79	-91.48	-52.69	-13.00	39.69	Vertical	PASS

Project Information

Mode:	SA UL MIMO	Band:	n78(3700-3800MHz)
Bandwidth:	100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



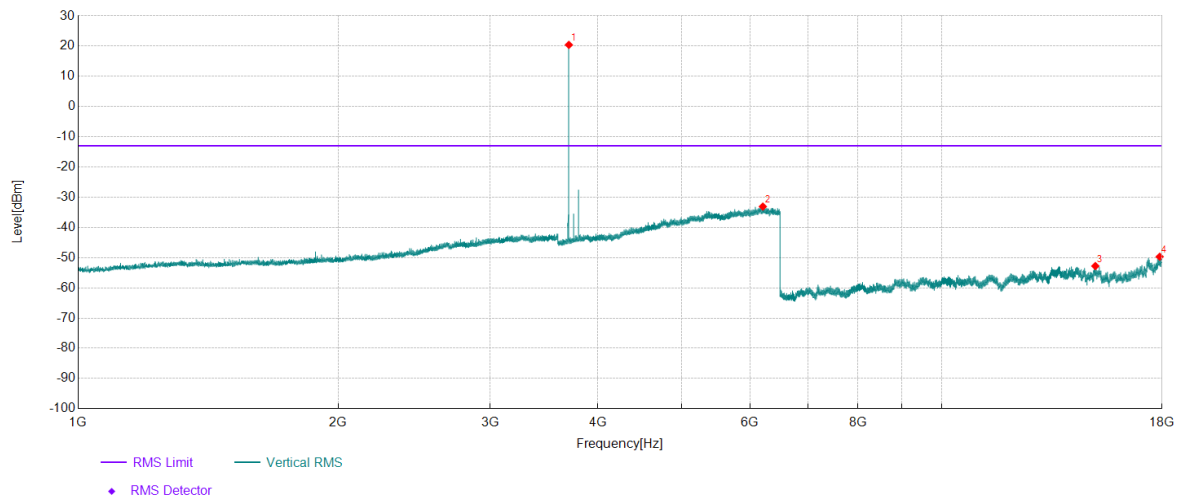
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	3701.05	91.22	-77.81	13.41	-	-	Horizontal	NA
2	6295.68	36.74	-70.02	-33.28	-13.00	20.28	Horizontal	PASS
3	13457.50	35.08	-87.97	-52.89	-13.00	39.89	Horizontal	PASS
4	17988.88	31.74	-81.63	-49.89	-13.00	36.89	Horizontal	PASS

Project Information

Mode:	SA UL MIMO	Band:	n78(3700-3800MHz)
Bandwidth:	100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



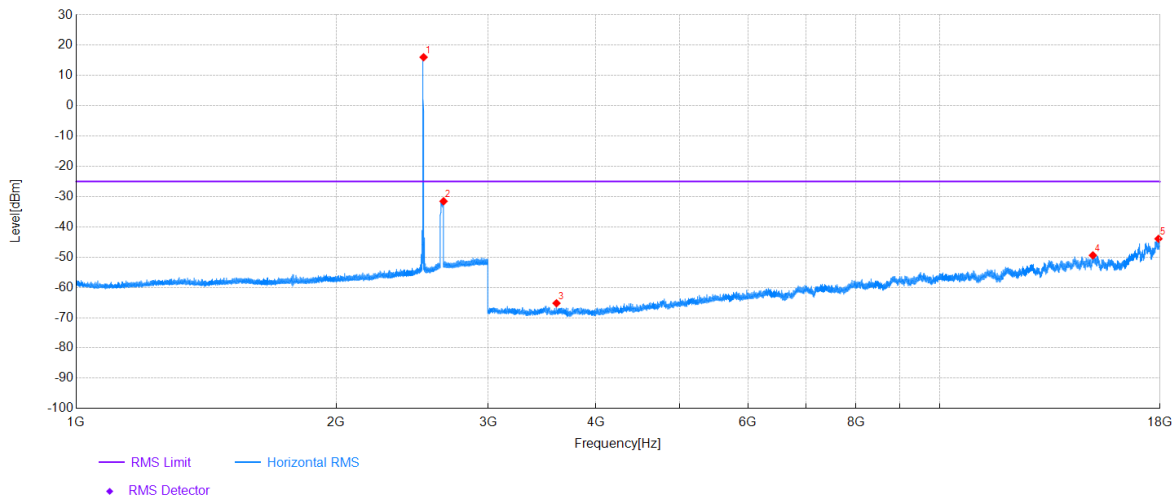
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	3701.05	98.24	-77.81	20.43	-	-	Vertical	NA
2	6208.23	37.23	-70.33	-33.10	-13.00	20.10	Vertical	PASS
3	15067.88	33.32	-86.11	-52.79	-13.00	39.79	Vertical	PASS
4	17886.92	32.06	-81.75	-49.69	-13.00	36.69	Vertical	PASS

Test Result for NSA

Project Information			
Mode:	NSA	Band:	EN DC 5A n7A
Bandwidth:	10MHz+20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph

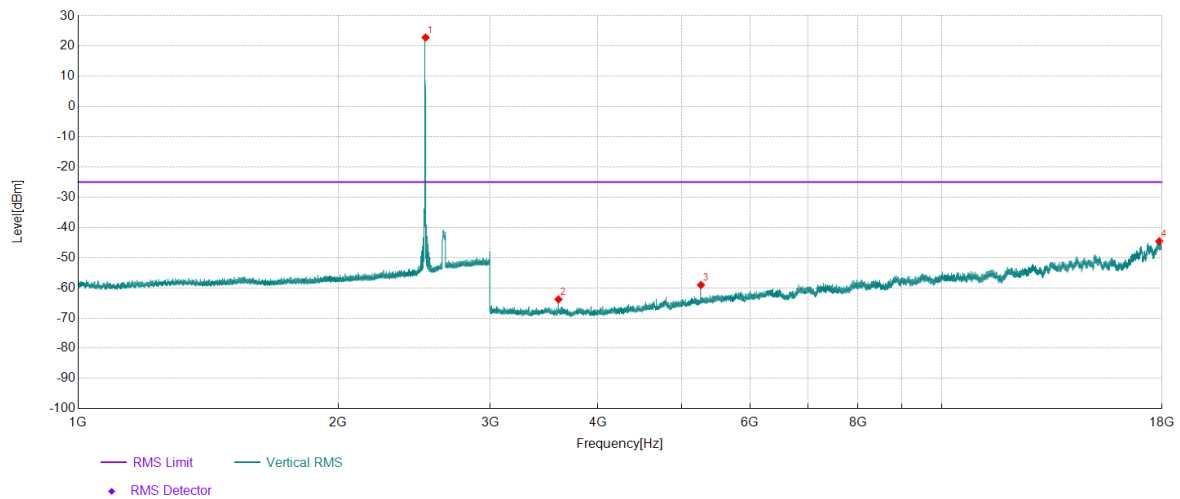


Data List								
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	2525.60	109.42	-93.36	16.06	-	-	Horizontal	NA
2	2663.90	60.79	-92.33	-31.54	-	-	Horizontal	NA
3	3600.00	41.76	-106.98	-65.22	-25.00	40.22	Horizontal	PASS
4	15049.50	36.98	-86.39	-49.41	-25.00	24.41	Horizontal	PASS
5	17925.50	39.14	-83.08	-43.94	-25.00	18.94	Horizontal	PASS

Project Information

Mode:	NSA	Band:	EN_DC_5A_n7A
Bandwidth:	10MHz+20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



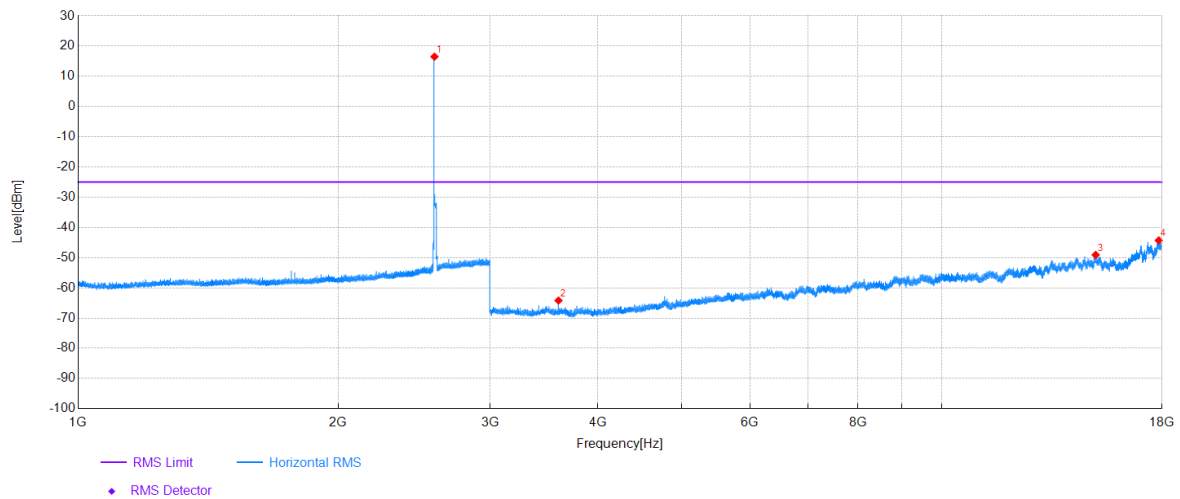
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	2525.60	116.23	-93.36	22.87	-	-	Vertical	NA
2	3600.00	43.17	-106.98	-63.81	-25.00	38.81	Vertical	PASS
3	5264.00	42.89	-101.95	-59.06	-25.00	34.06	Vertical	PASS
4	17869.50	38.12	-82.69	-44.57	-25.00	19.57	Vertical	PASS

Project Information

Mode:	NSA	Band:	EN_DC_5A_n38A
Bandwidth:	10MHz+20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



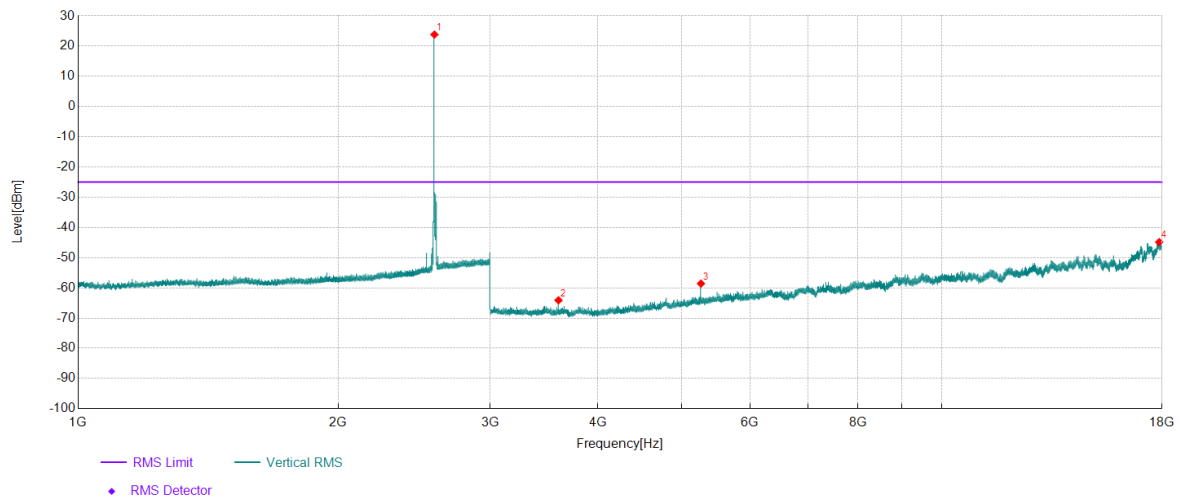
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	2586.20	109.80	-93.29	16.51	-	-	Horizontal	NA
2	3600.00	42.78	-106.98	-64.20	-25.00	39.20	Horizontal	PASS
3	15079.00	37.17	-86.27	-49.10	-25.00	24.10	Horizontal	PASS
4	17844.00	38.26	-82.55	-44.29	-25.00	19.29	Horizontal	PASS

Project Information

Mode:	NSA	Band:	EN_DC_5A_n38A
Bandwidth:	10MHz+20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



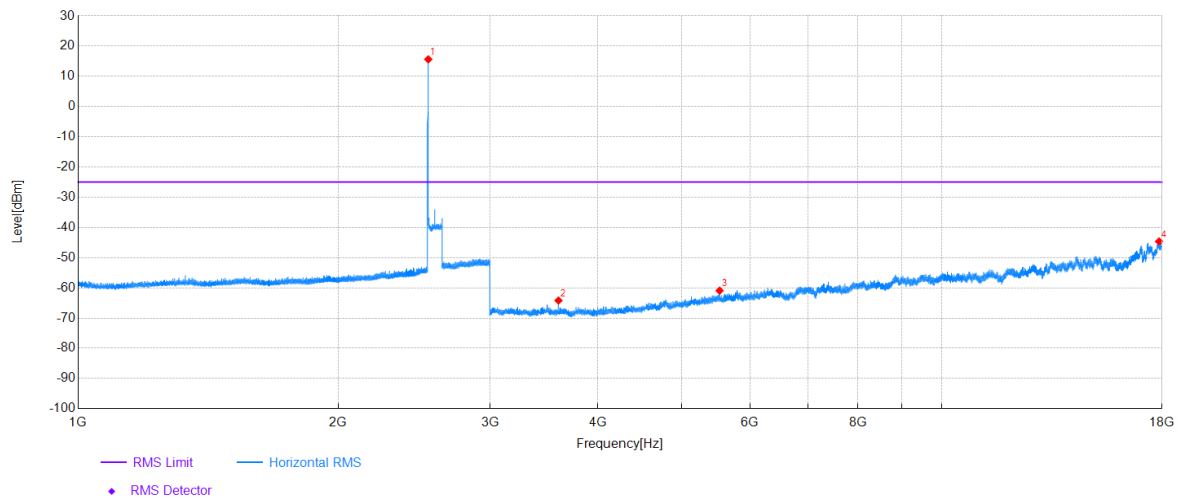
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	2586.00	117.13	-93.29	23.84	-	-	Vertical	NA
2	3600.00	42.86	-106.98	-64.12	-25.00	39.12	Vertical	PASS
3	5263.50	43.39	-101.97	-58.58	-25.00	33.58	Vertical	PASS
4	17863.00	37.76	-82.61	-44.85	-25.00	19.85	Vertical	PASS

Project Information

Mode:	NSA	Band:	EN_DC_5A_n38A
Bandwidth:	10MHz+20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



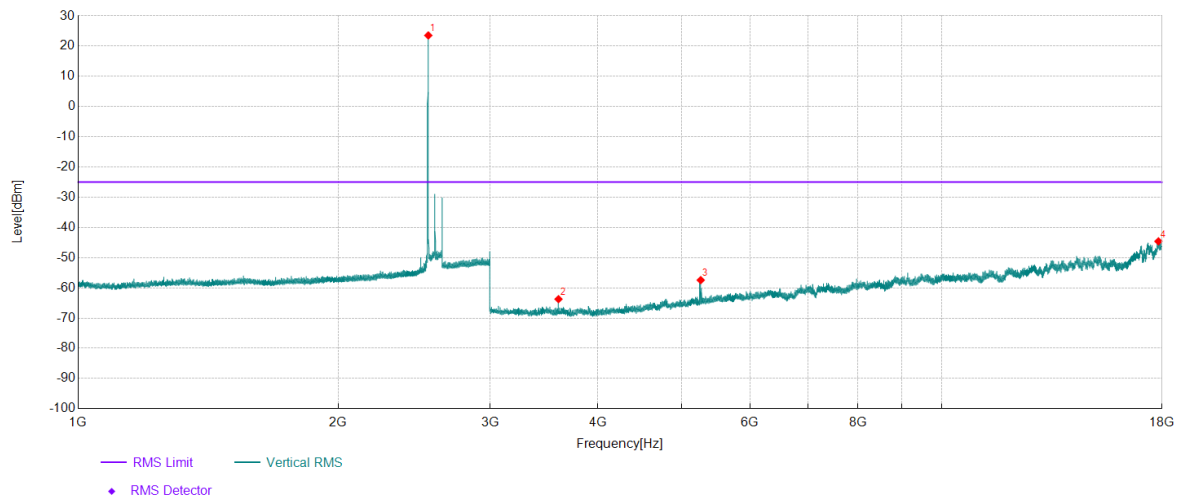
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	2543.90	109.10	-93.46	15.64	-	-	Horizontal	NA
2	3600.00	42.78	-106.98	-64.20	-25.00	39.20	Horizontal	PASS
3	5532.00	40.36	-101.27	-60.91	-25.00	35.91	Horizontal	PASS
4	17856.00	37.89	-82.53	-44.64	-25.00	19.64	Horizontal	PASS

Project Information

Mode:	NSA	Band:	EN_DC_5A_n38A
Bandwidth:	10MHz+20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



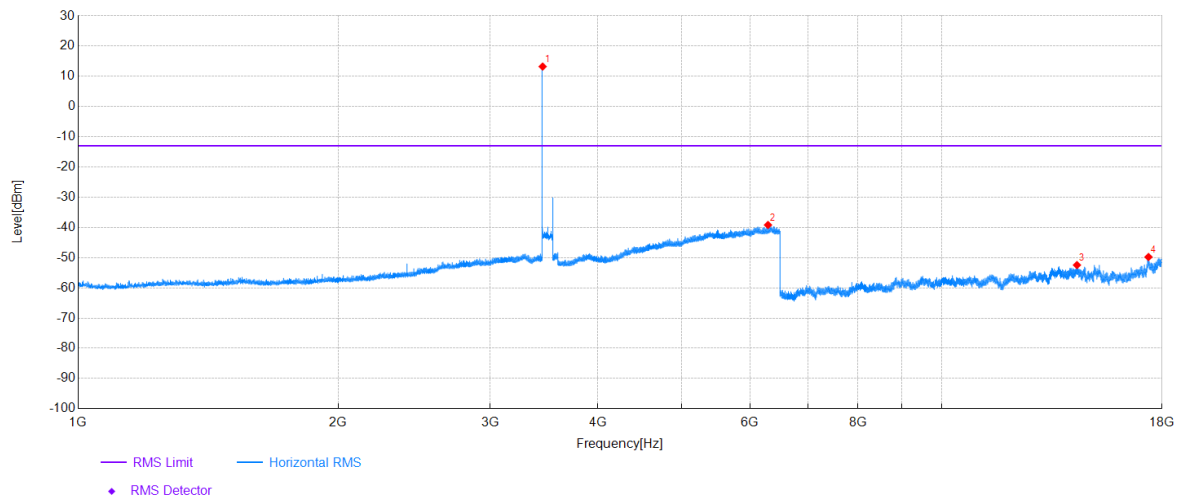
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	2544.00	117.01	-93.46	23.55	-	-	Vertical	NA
2	3600.00	43.24	-106.98	-63.74	-25.00	38.74	Vertical	PASS
3	5260.50	44.58	-102.01	-57.43	-25.00	32.43	Vertical	PASS
4	17830.00	38.14	-82.75	-44.61	-25.00	19.61	Vertical	PASS

Project Information

Mode:	NSA	Band:	EN_DC_5A_n77A(3450-3550MHz)
Bandwidth:	10MHz+100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



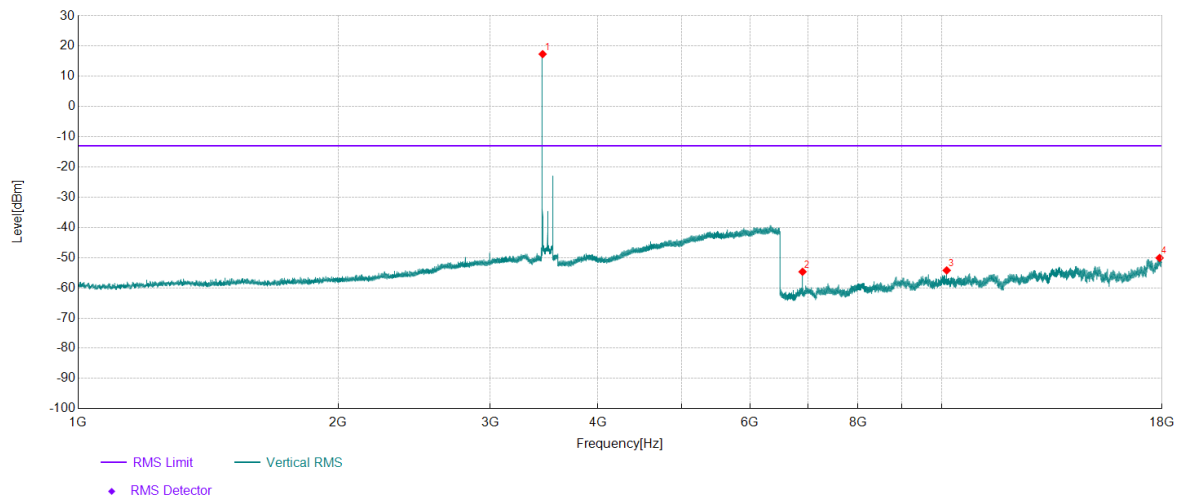
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	3451.08	102.22	-88.97	13.25	-	-	Horizontal	NA
2	6294.03	41.38	-80.57	-39.19	-13.00	26.19	Horizontal	PASS
3	14346.45	33.83	-86.28	-52.45	-13.00	39.45	Horizontal	PASS
4	17360.22	33.26	-83.05	-49.79	-13.00	36.79	Horizontal	PASS

Project Information

Mode:	NSA	Band:	EN_DC_5A_n77A(3450-3550MHz)
Bandwidth:	10MHz+100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



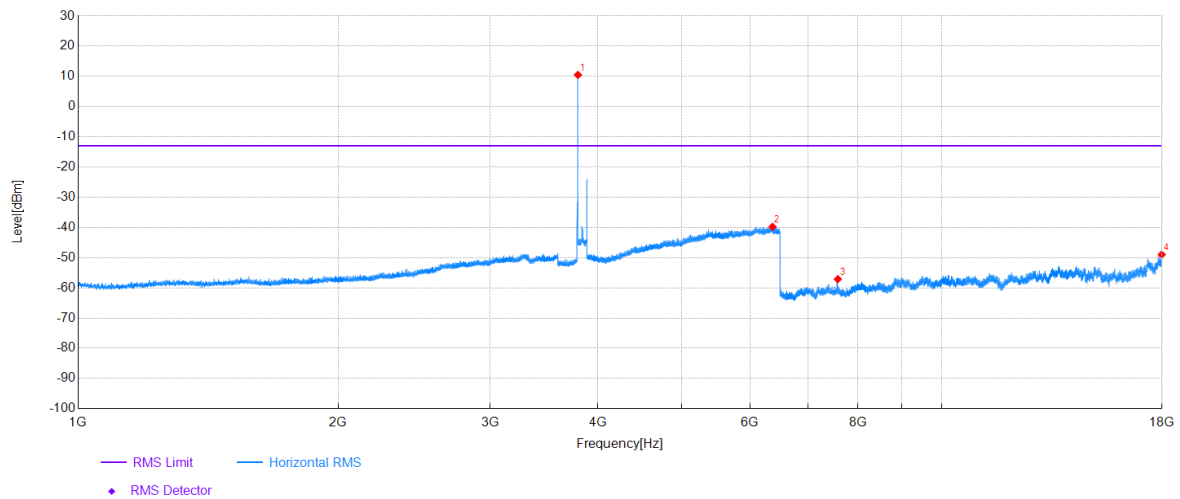
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	3451.08	106.35	-88.97	17.38	-	-	Vertical	NA
2	6901.73	42.29	-96.97	-54.68	-13.00	41.68	Vertical	PASS
3	10136.68	37.69	-91.91	-54.22	-13.00	41.22	Vertical	PASS
4	17885.00	31.63	-81.73	-50.10	-13.00	37.10	Vertical	PASS

Project Information

Mode:	NSA	Band:	EN_DC_5A_n77A(3700-3980MHz)
Bandwidth:	10MHz+100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



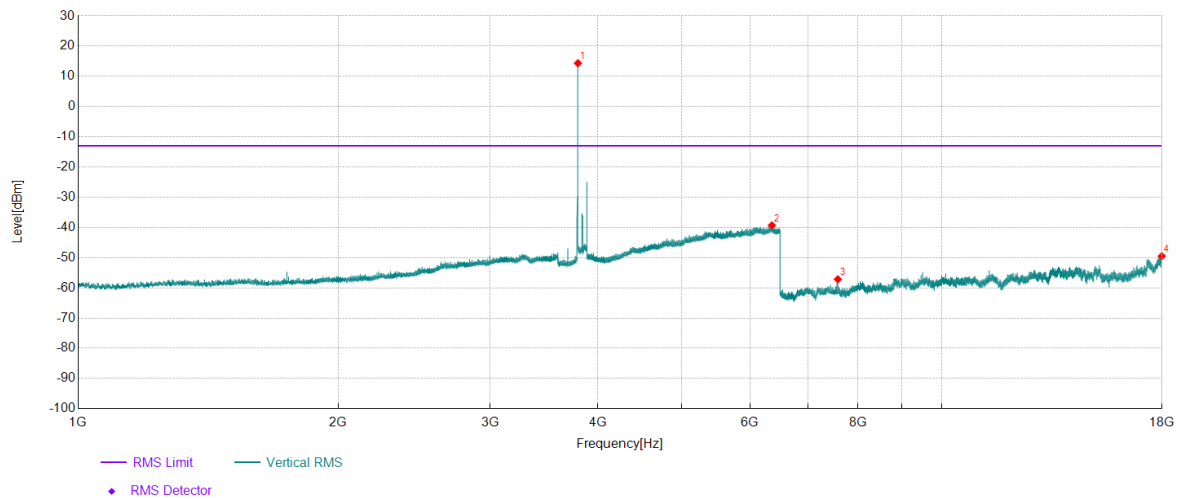
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	3790.98	98.73	-88.23	10.50	-	-	Horizontal	NA
2	6369.93	40.30	-80.09	-39.79	-13.00	26.79	Horizontal	PASS
3	7582.15	39.03	-96.15	-57.12	-13.00	44.12	Horizontal	PASS
4	17983.13	32.72	-81.72	-49.00	-13.00	36.00	Horizontal	PASS

Project Information

Mode:	NSA	Band:	EN_DC_5A_n77A(3700-3980MHz)
Bandwidth:	10MHz+100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



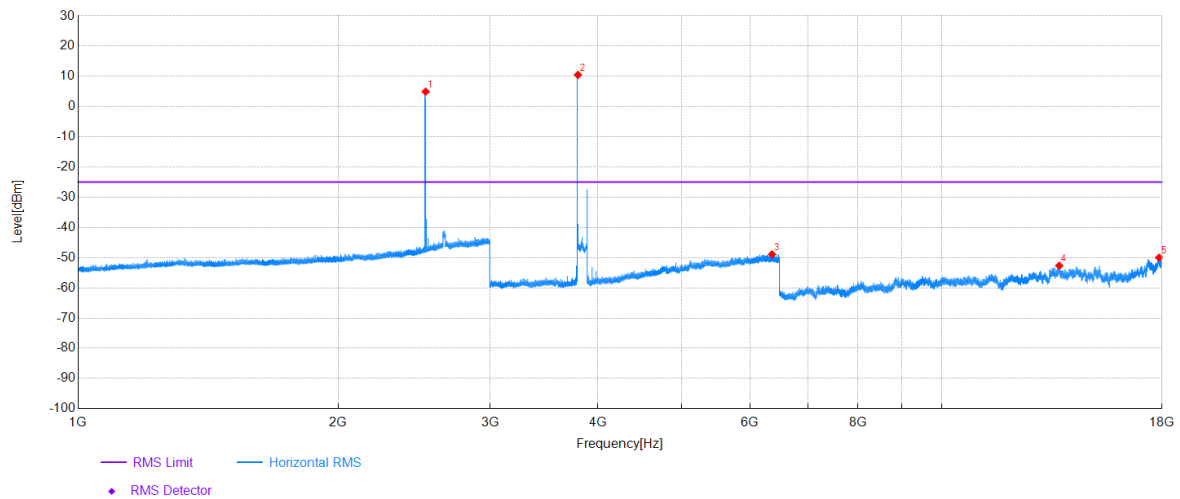
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	3790.98	102.60	-88.23	14.37	-	-	Vertical	NA
2	6359.48	40.65	-79.97	-39.32	-13.00	26.32	Vertical	PASS
3	7582.15	38.98	-96.15	-57.17	-13.00	44.17	Vertical	PASS
4	17986.97	32.15	-81.66	-49.51	-13.00	36.51	Vertical	PASS

Project Information

Mode:	NSA	Band:	EN_DC_7A_n77A(3700-3980MHz)
Bandwidth:	20MHz+100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



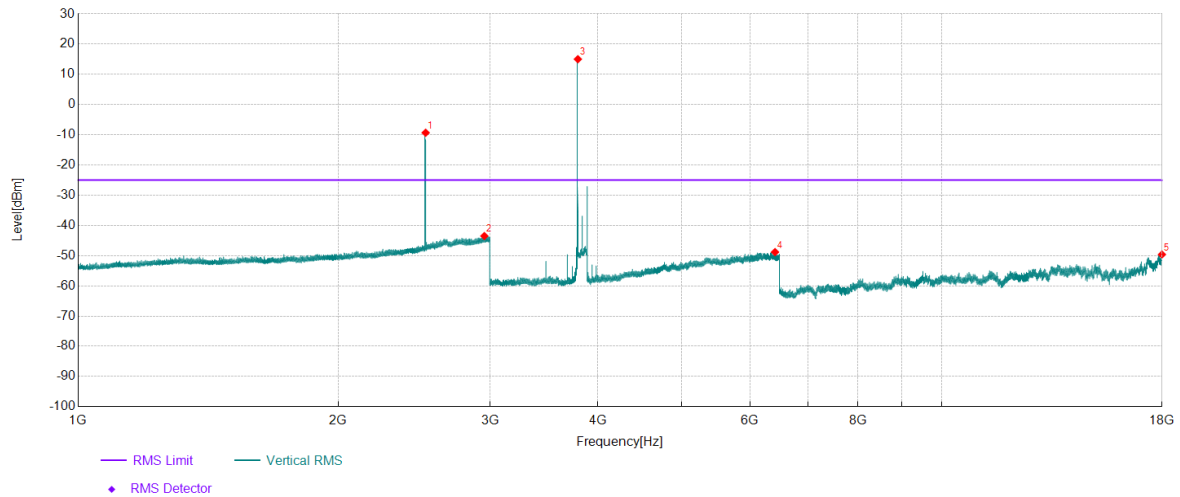
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	2526.10	88.00	-83.04	4.96	-	-	Horizontal	NA
2	3791.00	98.61	-88.11	10.50	-	-	Horizontal	NA
3	6362.10	31.70	-80.61	-48.91	-25.00	23.91	Horizontal	PASS
4	13684.43	33.29	-85.96	-52.67	-25.00	27.67	Horizontal	PASS
5	17857.02	31.37	-81.37	-50.00	-25.00	25.00	Horizontal	PASS

Project Information

Mode:	NSA	Band:	EN_DC_7A_n77A(3700-3980MHz)
Bandwidth:	20MHz+100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



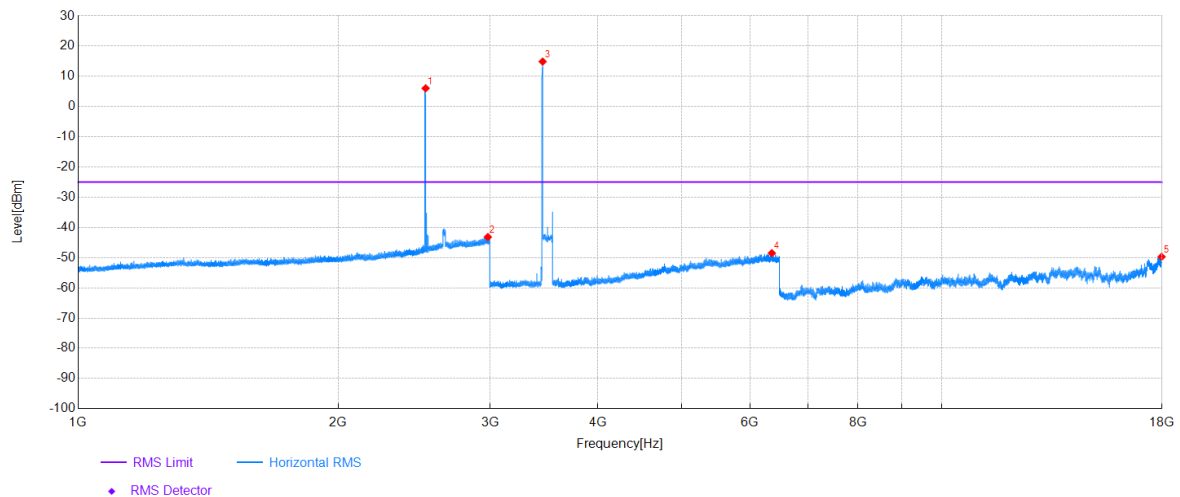
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	2526.00	73.71	-83.04	-9.33	-	-	Vertical	NA
2	2954.10	36.49	-79.99	-43.50	-25.00	18.50	Vertical	PASS
3	3790.83	103.15	-88.11	15.04	-	-	Vertical	NA
4	6412.85	31.96	-80.79	-48.83	-25.00	23.83	Vertical	PASS
5	17994.63	31.92	-81.55	-49.63	-25.00	24.63	Vertical	PASS

Project Information

Mode:	NSA	Band:	EN_DC_7A_n77A(3450-3550MHz)
Bandwidth:	20MHz+100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



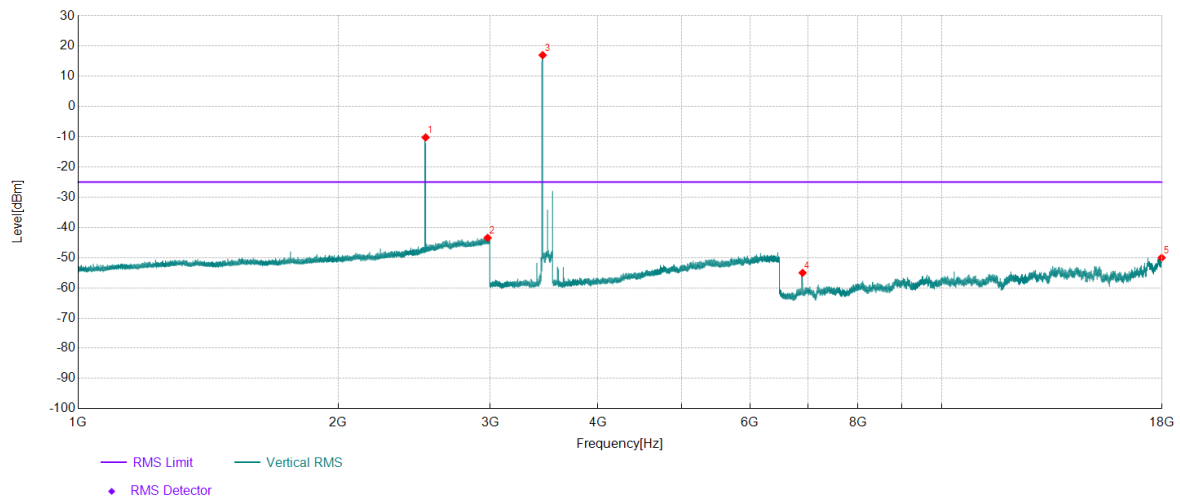
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	2526.00	89.10	-83.04	6.06	-	-	Horizontal	NA
2	2981.30	36.82	-80.01	-43.19	-25.00	18.19	Horizontal	PASS
3	3450.98	103.65	-88.75	14.90	-	-	Horizontal	NA
4	6358.60	32.07	-80.58	-48.51	-25.00	23.51	Horizontal	PASS
5	17977.77	32.07	-81.79	-49.72	-25.00	24.72	Horizontal	PASS

Project Information

Mode:	NSA	Band:	EN_DC_7A_n77A(3450-3550MHz)
Bandwidth:	20MHz+100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



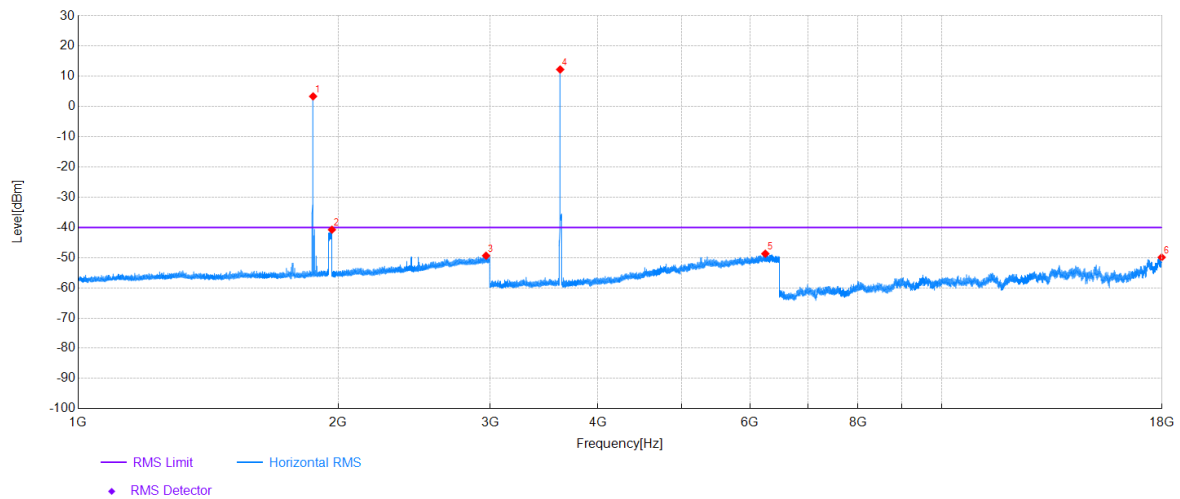
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	2526.00	72.84	-83.04	-10.20	-	-	Vertical	NA
2	2980.20	36.54	-79.99	-43.45	-25.00	18.45	Vertical	PASS
3	3450.98	105.78	-88.75	17.03	-	-	Vertical	NA
4	6902.12	41.95	-96.98	-55.03	-25.00	30.03	Vertical	PASS
5	17981.60	31.69	-81.73	-50.04	-25.00	25.04	Vertical	PASS

Project Information

Mode:	NSA	Band:	EN_DC_2A_n48A
Bandwidth:	20MHz+20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



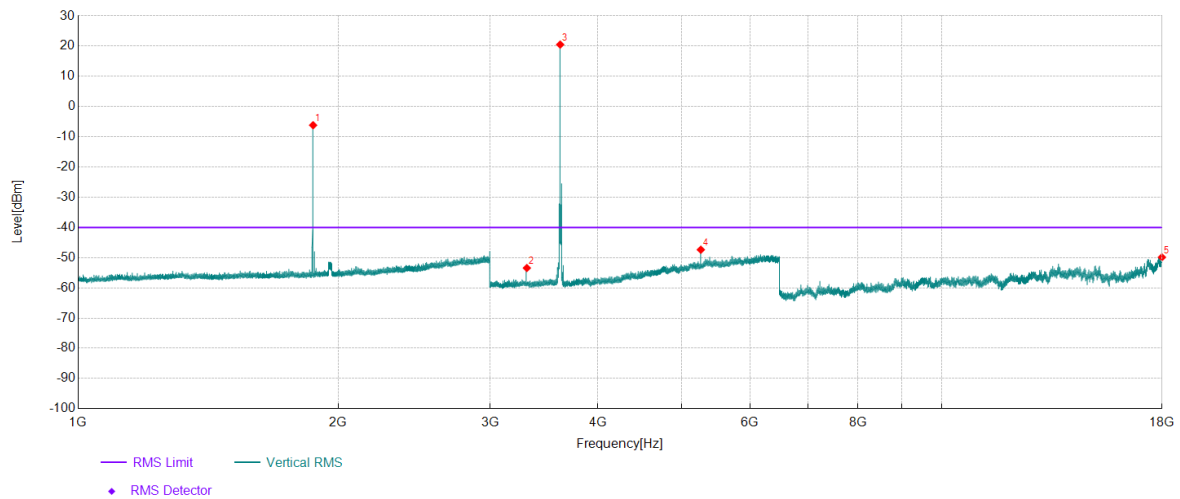
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1871.10	88.35	-84.97	3.38	-	-	Horizontal	NA
2	1967.50	44.08	-84.83	-40.75	-	-	Horizontal	NA
3	2967.60	30.56	-79.93	-49.37	-40.00	9.37	Horizontal	PASS
4	3616.00	100.75	-88.47	12.28	-	-	Horizontal	NA
5	6249.75	32.37	-81.07	-48.70	-40.00	8.70	Horizontal	PASS
6	17982.75	31.81	-81.72	-49.91	-40.00	9.91	Horizontal	PASS

Project Information

Mode:	NSA	Band:	EN_DC_2A_n48A
Bandwidth:	20MHz+20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



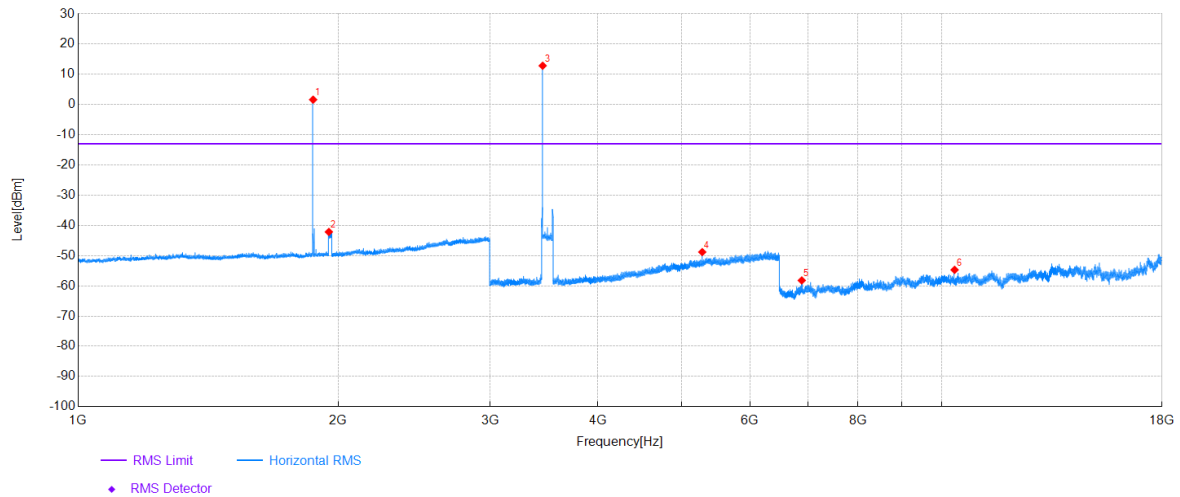
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1871.10	78.81	-84.97	-6.16	-	-	Vertical	NA
2	3308.70	35.81	-89.24	-53.43	-40.00	13.43	Vertical	PASS
3	3616.00	108.99	-88.47	20.52	-	-	Vertical	NA
4	5261.35	36.00	-83.38	-47.38	-40.00	7.38	Vertical	PASS
5	17995.02	31.66	-81.54	-49.88	-40.00	9.88	Vertical	PASS

Project Information

Mode:	NSA	Band:	EN_DC_2A_n78A(3450-3550MHz)
Bandwidth:	20MHz+100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



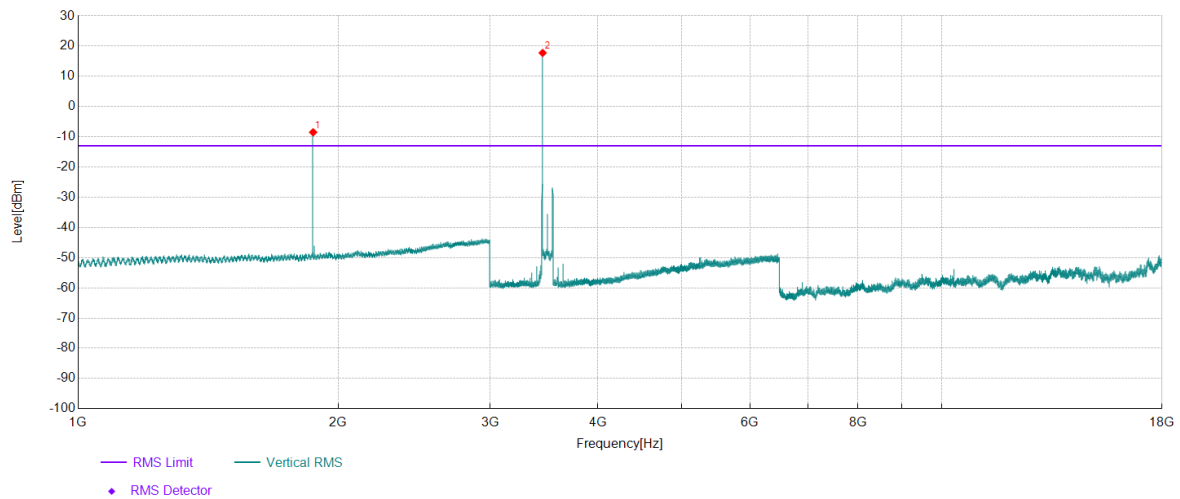
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1871.20	81.33	-79.70	1.63	-	-	Horizontal	NA
2	1951.40	37.12	-79.26	-42.14	-	-	Horizontal	NA
3	3451.15	101.61	-88.75	12.86	-	-	Horizontal	NA
4	5281.83	34.51	-83.33	-48.82	-13.00	35.82	Horizontal	PASS
5	6886.78	38.92	-97.13	-58.21	-13.00	45.21	Horizontal	PASS
6	10352.88	36.78	-91.48	-54.70	-13.00	41.70	Horizontal	PASS

Project Information

Mode:	NSA	Band:	EN_DC_2A_n78A(3450-3550MHz)
Bandwidth:	20MHz+100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



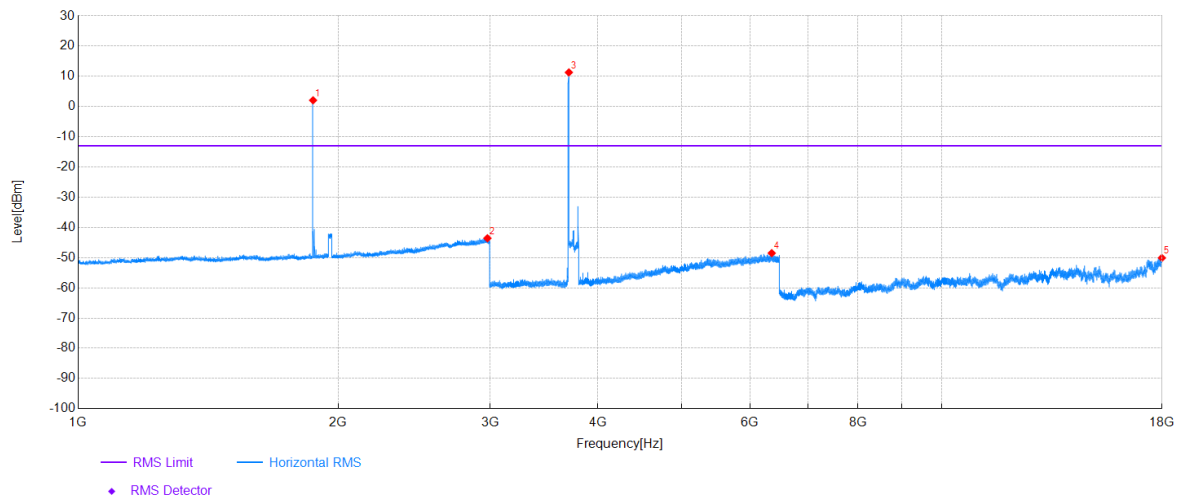
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1871.20	71.20	-79.70	-8.50	-	-	Vertical	NA
2	3450.98	106.52	-88.75	17.77	-	-	Vertical	NA

Project Information

Mode:	NSA	Band:	EN_DC_2A_n78A(3700-3800MHz)
Bandwidth:	20MHz+100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



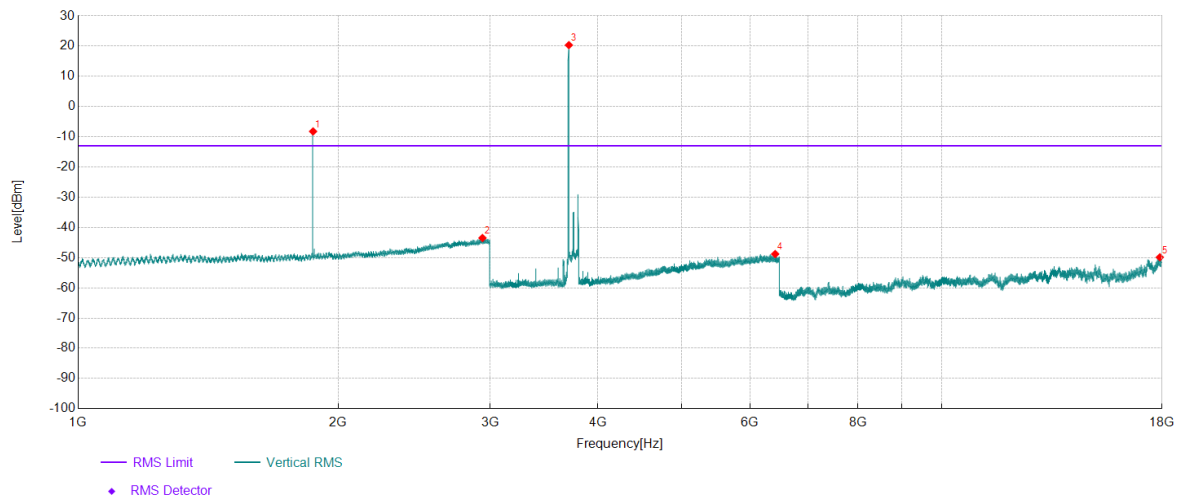
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1871.00	81.79	-79.70	2.09	-	-	Horizontal	NA
2	2978.40	31.35	-74.94	-43.59	-13.00	30.59	Horizontal	PASS
3	3701.05	99.45	-88.13	11.32	-	-	Horizontal	NA
4	6356.85	32.04	-80.55	-48.51	-13.00	35.51	Horizontal	PASS
5	17991.95	31.49	-81.58	-50.09	-13.00	37.09	Horizontal	PASS

Project Information

Mode:	NSA	Band:	EN_DC_2A_n78A(3700-3800MHz)
Bandwidth:	20MHz+100MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



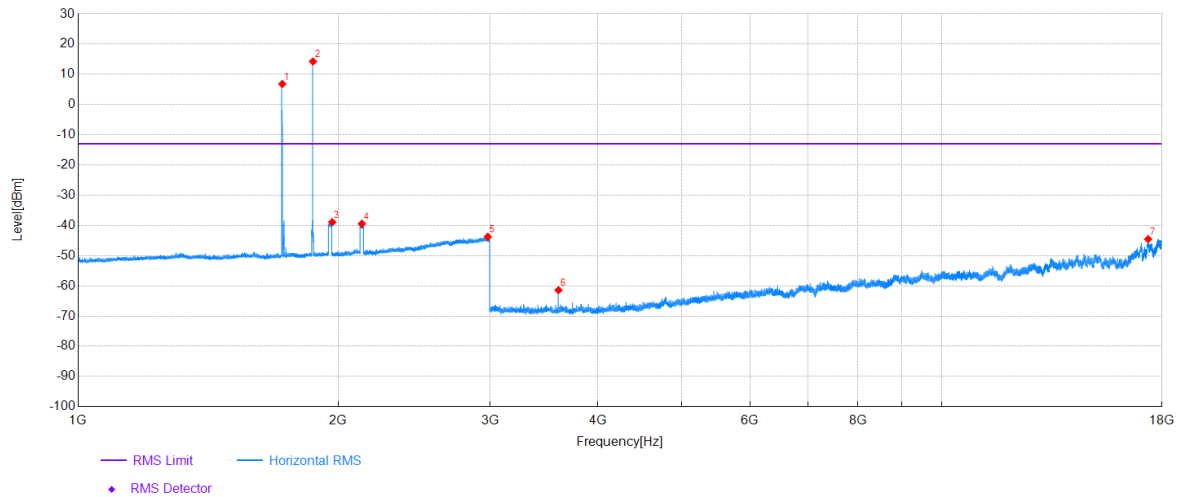
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1871.00	71.49	-79.70	-8.21	-	-	Vertical	NA
2	2939.40	31.52	-75.02	-43.50	-13.00	30.50	Vertical	PASS
3	3700.88	108.48	-88.13	20.35	-	-	Vertical	NA
4	6415.48	31.98	-80.79	-48.81	-13.00	35.81	Vertical	PASS
5	17894.97	31.97	-81.85	-49.88	-13.00	36.88	Vertical	PASS

Project Information

Mode:	NSA	Band:	EN_DC_4A_n2A
Bandwidth:	20MHz+20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



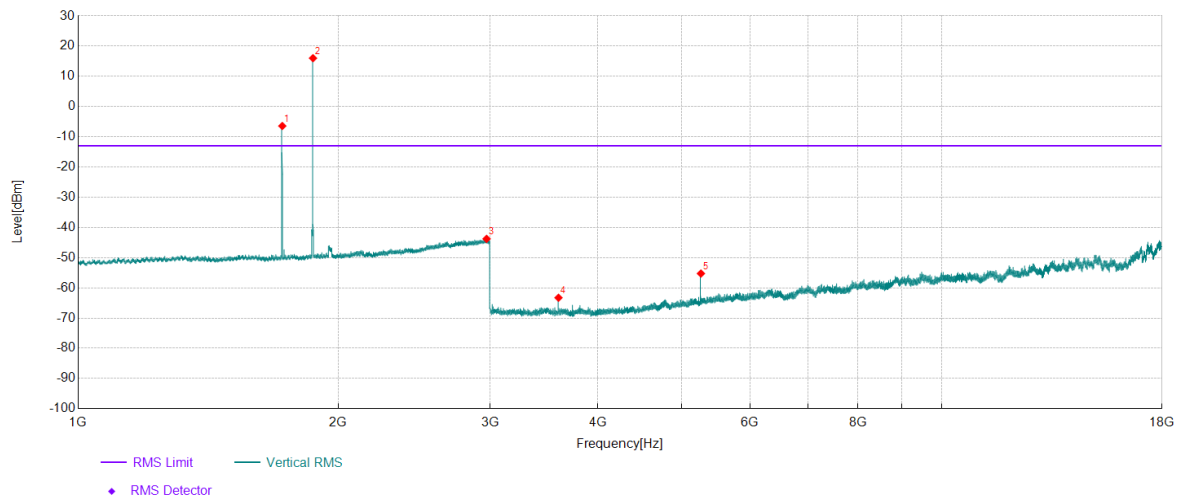
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1723.60	86.79	-79.95	6.84	-	-	Horizontal	NA
2	1870.60	93.98	-79.70	14.28	-	-	Horizontal	NA
3	1969.00	40.59	-79.49	-38.90	-	-	Horizontal	NA
4	2131.00	39.71	-79.15	-39.44	-	-	Horizontal	NA
5	2981.00	31.23	-75.00	-43.77	-13.00	30.77	Horizontal	PASS
6	3600.00	45.55	-106.98	-61.43	-13.00	48.43	Horizontal	PASS
7	17343.50	38.17	-82.70	-44.53	-13.00	31.53	Horizontal	PASS

Project Information

Mode:	NSA	Band:	EN_DC_4A_n2A
Bandwidth:	20MHz+20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



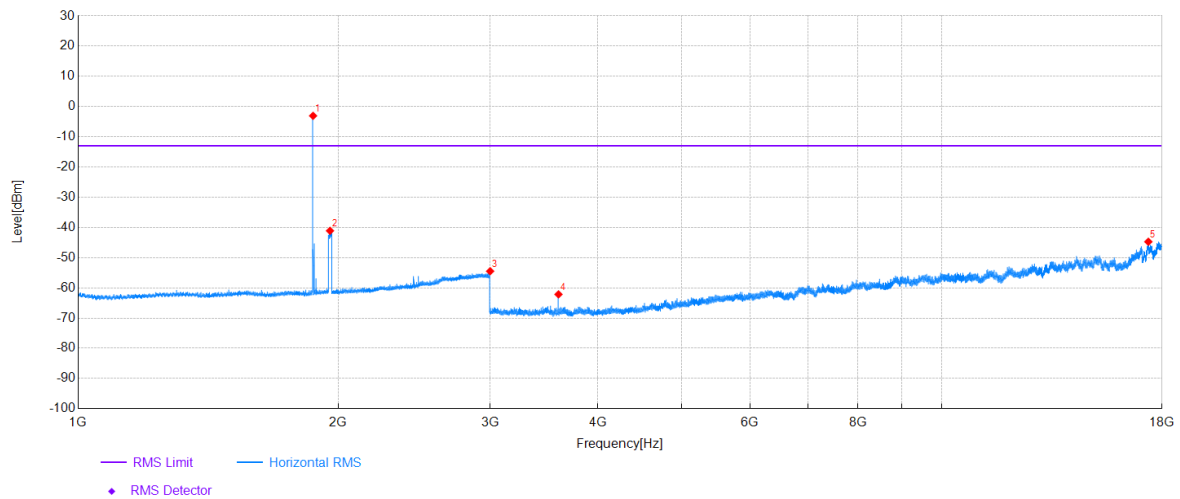
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1723.60	73.53	-79.95	-6.42	-	-	Vertical	NA
2	1870.60	95.73	-79.70	16.03	-	-	Vertical	NA
3	2971.80	31.09	-74.87	-43.78	-13.00	30.78	Vertical	PASS
4	3600.00	43.71	-106.98	-63.27	-13.00	50.27	Vertical	PASS
5	5263.50	46.71	-101.97	-55.26	-13.00	42.26	Vertical	PASS

Project Information

Mode:	NSA	Band:	EN_DC_2A_n5A
Bandwidth:	20MHz+20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



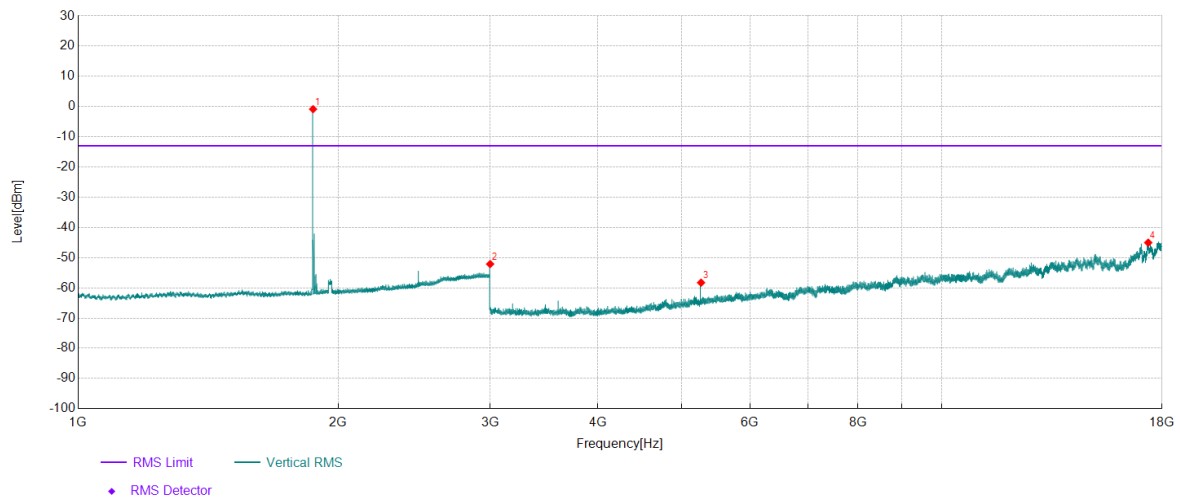
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1871.00	92.00	-95.06	-3.06	-	-	Horizontal	NA
2	1957.40	53.47	-94.59	-41.12	-	-	Horizontal	NA
3	3000.00	36.45	-90.94	-54.49	-13.00	41.49	Horizontal	PASS
4	3600.00	44.82	-106.98	-62.16	-13.00	49.16	Horizontal	PASS
5	17356.50	37.91	-82.65	-44.74	-13.00	31.74	Horizontal	PASS

Project Information

Mode:	NSA	Band:	EN_DC_2A_n5A
Bandwidth:	20MHz+20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



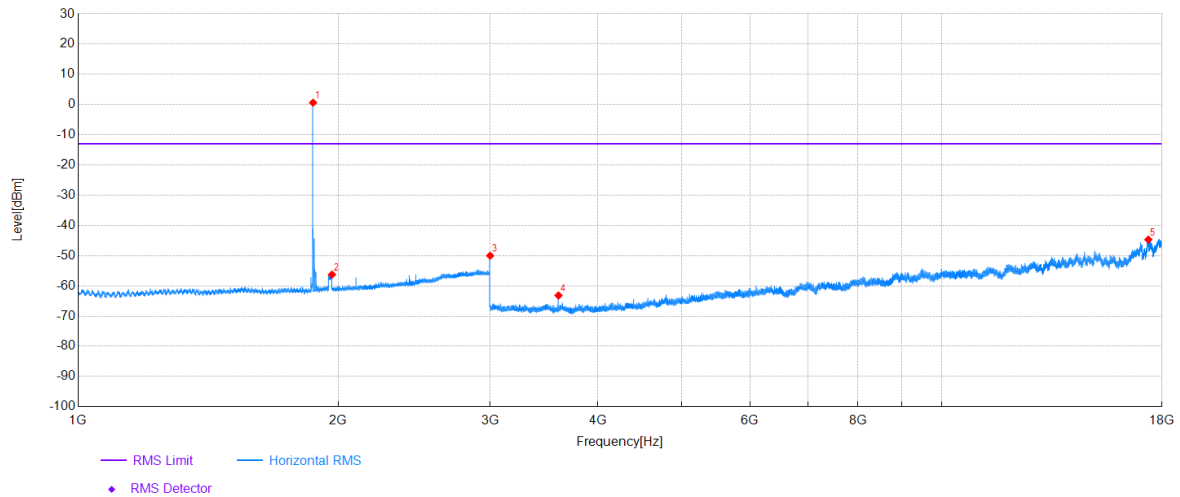
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1871.00	94.21	-95.06	-0.85	-	-	Vertical	NA
2	3000.00	38.82	-90.94	-52.12	-13.00	39.12	Vertical	PASS
3	5265.50	43.66	-101.94	-58.28	-13.00	45.28	Vertical	PASS
4	17349.50	37.38	-82.42	-45.04	-13.00	32.04	Vertical	PASS

Project Information

Mode:	NSA	Band:	EN_DC_2A_n12A
Bandwidth:	20MHz+15MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



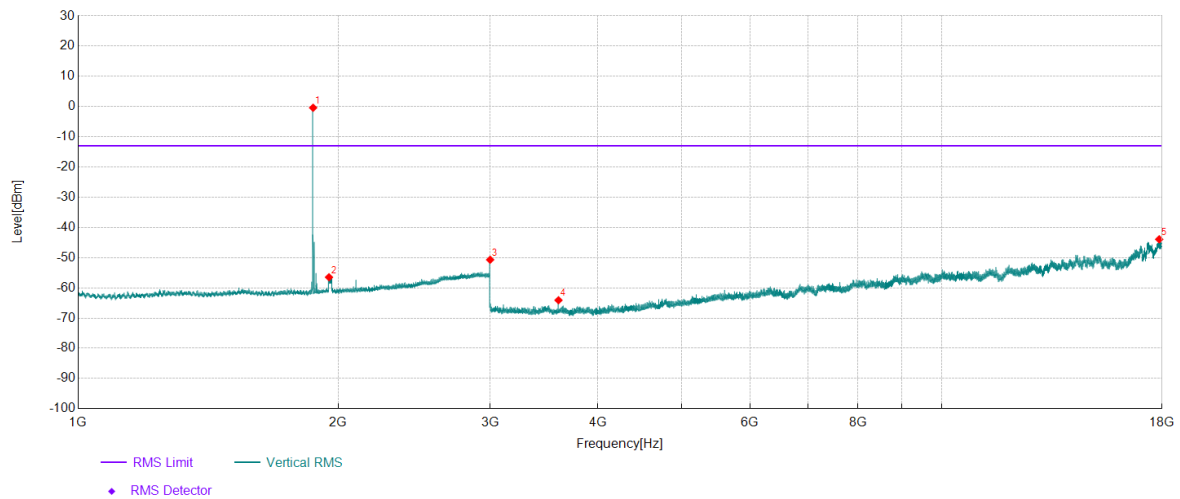
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1871.00	95.69	-95.06	0.63	-	-	Horizontal	NA
2	1967.80	38.42	-94.69	-56.27	-	-	Horizontal	NA
3	3000.00	40.92	-90.94	-50.02	-13.00	37.02	Horizontal	PASS
4	3600.00	43.78	-106.98	-63.20	-13.00	50.20	Horizontal	PASS
5	17354.00	37.86	-82.56	-44.70	-13.00	31.70	Horizontal	PASS

Project Information

Mode:	NSA	Band:	EN_DC_2A_n12A
Bandwidth:	20MHz+15MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



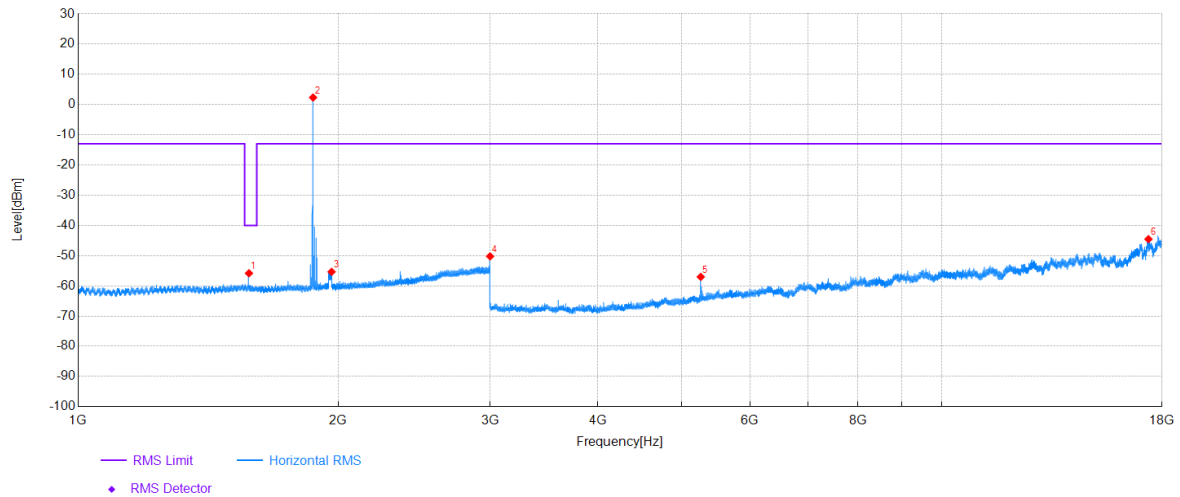
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1871.20	94.68	-95.06	-0.38	-	-	Vertical	NA
2	1952.20	38.04	-94.53	-56.49	-	-	Vertical	NA
3	3000.00	40.24	-90.94	-50.70	-13.00	37.70	Vertical	PASS
4	3600.00	42.88	-106.98	-64.10	-13.00	51.10	Vertical	PASS
5	17864.50	38.70	-82.63	-43.93	-13.00	30.93	Vertical	PASS

Project Information

Mode:	NSA	Band:	EN_DC_2A_n14A
Bandwidth:	20MHz+10MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



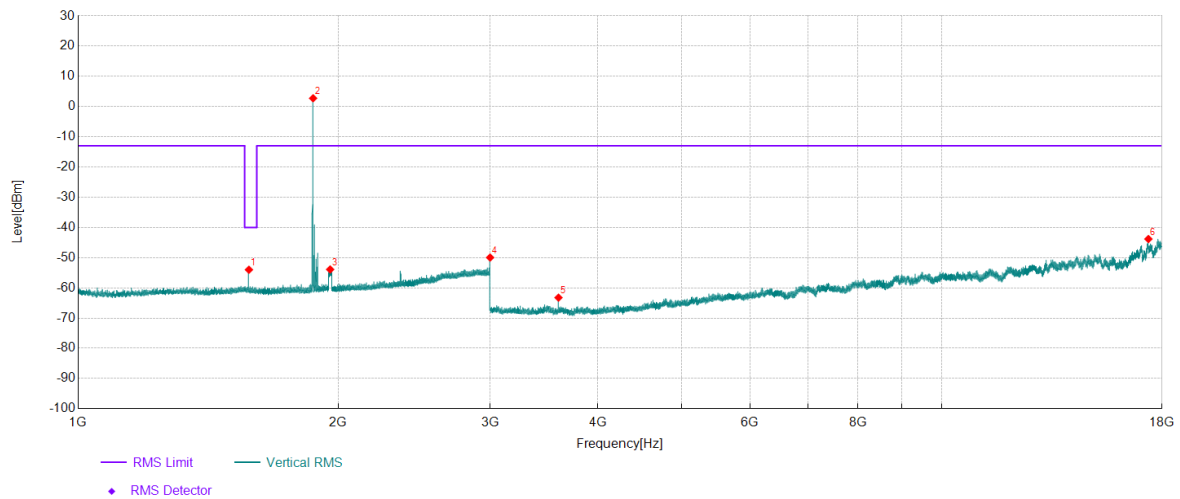
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1577.10	39.05	-94.89	-55.84	-40.00	15.84	Horizontal	PASS
2	1871.00	97.40	-95.06	2.34	-	-	Horizontal	NA
3	1965.70	39.31	-94.67	-55.36	-	-	Horizontal	NA
4	3000.00	40.71	-90.94	-50.23	-13.00	37.23	Horizontal	PASS
5	5261.00	44.98	-102.00	-57.02	-13.00	44.02	Horizontal	PASS
6	17359.00	38.20	-82.75	-44.55	-13.00	31.55	Horizontal	PASS

Project Information

Mode:	NSA	Band:	EN_DC_2A_n14A
Bandwidth:	20MHz+10MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



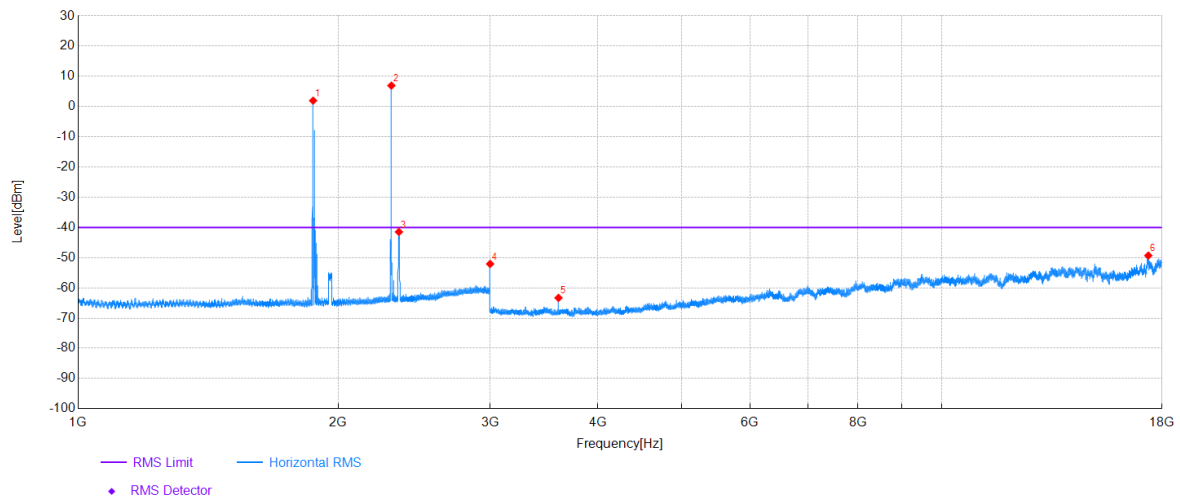
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1576.70	40.88	-94.88	-54.00	-40.00	14.00	Vertical	PASS
2	1871.10	97.82	-95.06	2.76	-	-	Vertical	NA
3	1958.10	40.68	-94.59	-53.91	-	-	Vertical	NA
4	2999.90	40.98	-90.94	-49.96	-13.00	36.96	Vertical	PASS
5	3600.00	43.73	-106.98	-63.25	-13.00	50.25	Vertical	PASS
6	17357.50	38.85	-82.69	-43.84	-13.00	30.84	Vertical	PASS

Project Information

Mode:	NSA	Band:	EN_DC_2A_n30A
Bandwidth:	20MHz+10MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



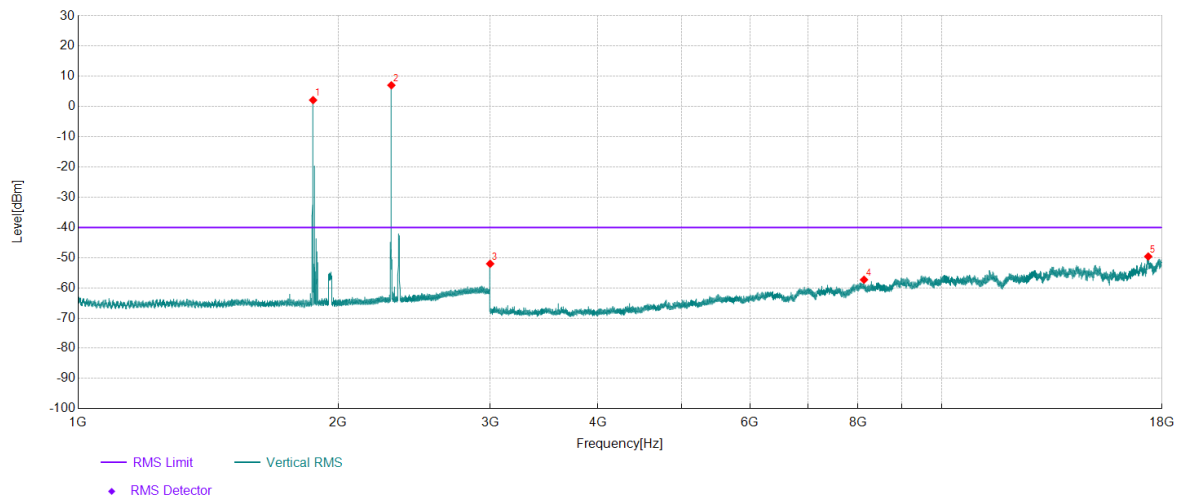
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1871.10	97.02	-95.06	1.96	-	-	Horizontal	NA
2	2305.40	101.14	-94.19	6.95	-	-	Horizontal	NA
3	2352.30	52.34	-93.82	-41.48	-40.00	1.48	Horizontal	PASS
4	3000.00	38.86	-90.94	-52.08	-40.00	12.08	Horizontal	PASS
5	3600.00	43.66	-106.98	-63.32	-40.00	23.32	Horizontal	PASS
6	17353.00	33.20	-82.52	-49.32	-40.00	9.32	Horizontal	PASS

Project Information

Mode:	NSA	Band:	EN_DC_2A_n30A
Bandwidth:	20MHz+10MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



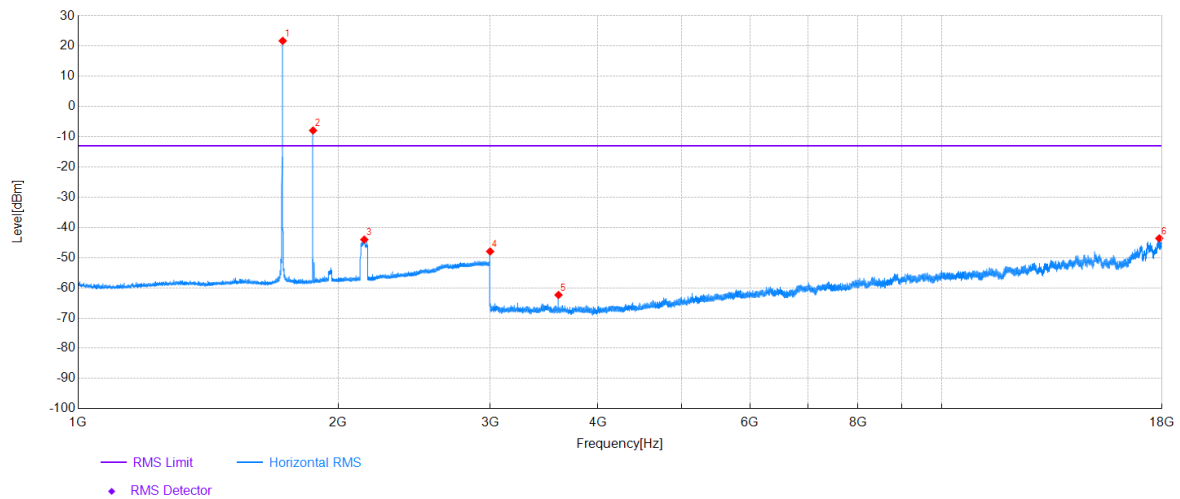
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1871.10	97.21	-95.06	2.15	-	-	Vertical	NA
2	2305.40	101.25	-94.19	7.06	-	-	Vertical	NA
3	3000.00	38.91	-90.94	-52.03	-40.00	12.03	Vertical	PASS
4	8131.00	37.39	-94.70	-57.31	-40.00	17.31	Vertical	PASS
5	17351.50	32.84	-82.46	-49.62	-40.00	9.62	Vertical	PASS

Project Information

Mode:	NSA	Band:	EN_DC_2A_n66A
Bandwidth:	20MHz+40MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



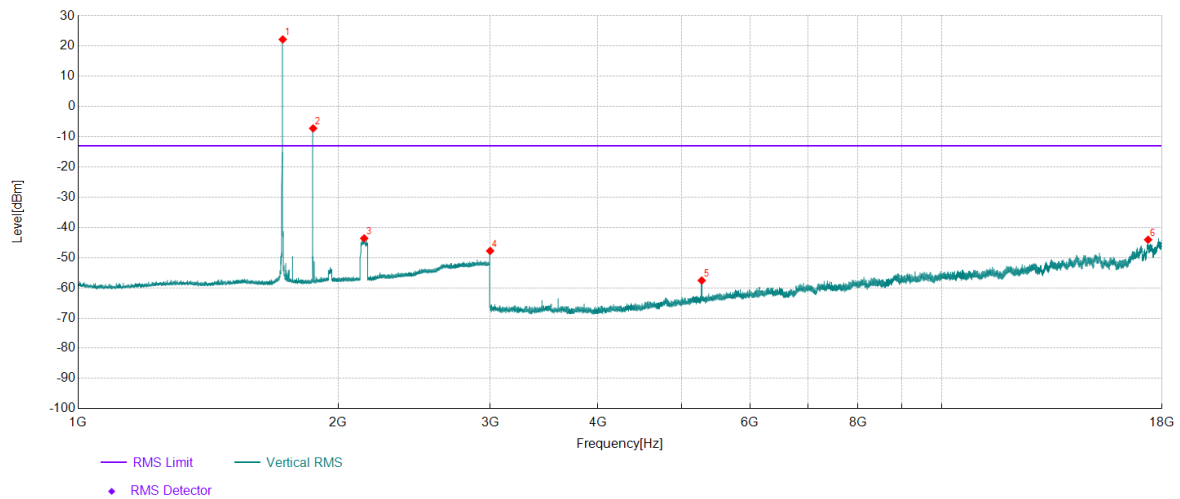
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1725.60	116.76	-95.00	21.76	-	-	Horizontal	NA
2	1871.00	87.16	-95.06	-7.90	-	-	Horizontal	NA
3	2144.80	50.63	-94.67	-44.04	-	-	Horizontal	NA
4	3000.00	42.99	-90.94	-47.95	-13.00	34.95	Horizontal	PASS
5	3600.00	44.63	-106.98	-62.35	-13.00	49.35	Horizontal	PASS
6	17867.50	39.03	-82.66	-43.63	-13.00	30.63	Horizontal	PASS

Project Information

Mode:	NSA	Band:	EN_DC_2A_n66A
Bandwidth:	20MHz+40MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



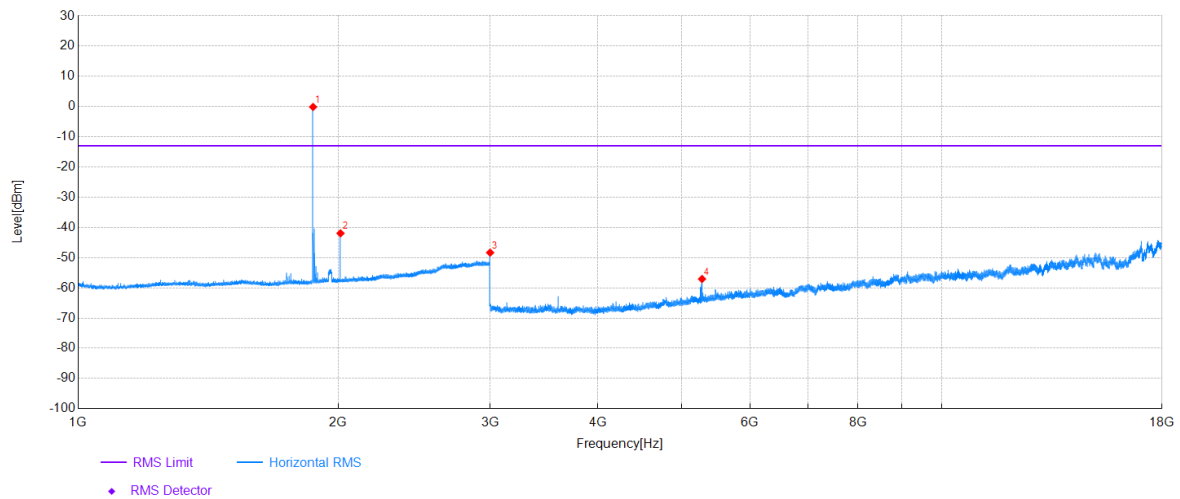
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1725.60	117.24	-95.00	22.24	-	-	Vertical	NA
2	1871.20	87.85	-95.06	-7.21	-	-	Vertical	NA
3	2144.20	51.05	-94.67	-43.62	-	-	Vertical	NA
4	3000.00	43.17	-90.94	-47.77	-13.00	34.77	Vertical	PASS
5	5274.50	44.24	-101.81	-57.57	-13.00	44.57	Vertical	PASS
6	17342.50	38.68	-82.75	-44.07	-13.00	31.07	Vertical	PASS

Project Information

Mode:	NSA	Band:	EN_DC_2A_n71A
Bandwidth:	20MHz+20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



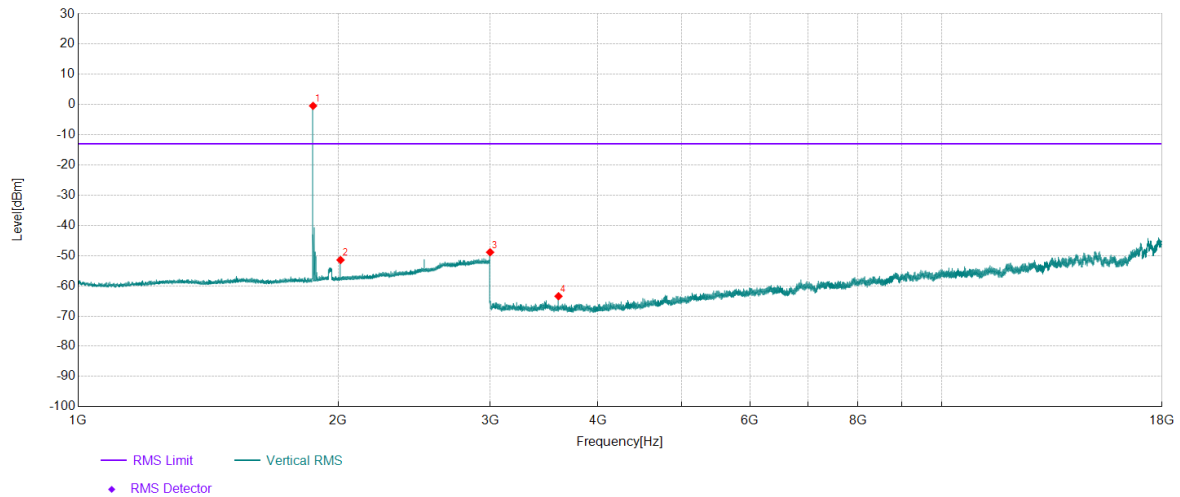
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1871.00	94.94	-95.06	-0.12	-	-	Horizontal	NA
2	2013.00	53.02	-94.96	-41.94	-13.00	28.94	Horizontal	PASS
3	3000.00	42.59	-90.94	-48.35	-13.00	35.35	Horizontal	PASS
4	5278.50	44.69	-101.76	-57.07	-13.00	44.07	Horizontal	PASS

Project Information

Mode:	NSA	Band:	EN_DC_2A_n71A
Bandwidth:	20MHz+20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



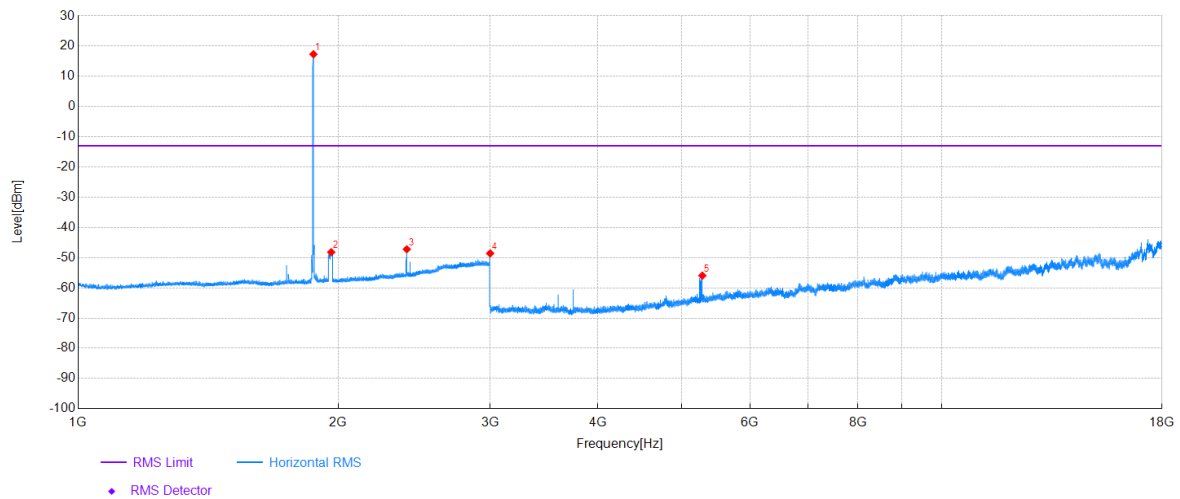
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1871.00	94.64	-95.06	-0.42	-	-	Vertical	NA
2	2013.00	43.52	-94.96	-51.44	-13.00	38.44	Vertical	PASS
3	3000.00	42.06	-90.94	-48.88	-13.00	35.88	Vertical	PASS
4	3600.00	43.54	-106.98	-63.44	-13.00	50.44	Vertical	PASS

Project Information

Mode:	NSA	Band:	EN_DC_71A_n25A
Bandwidth:	20MHz+20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



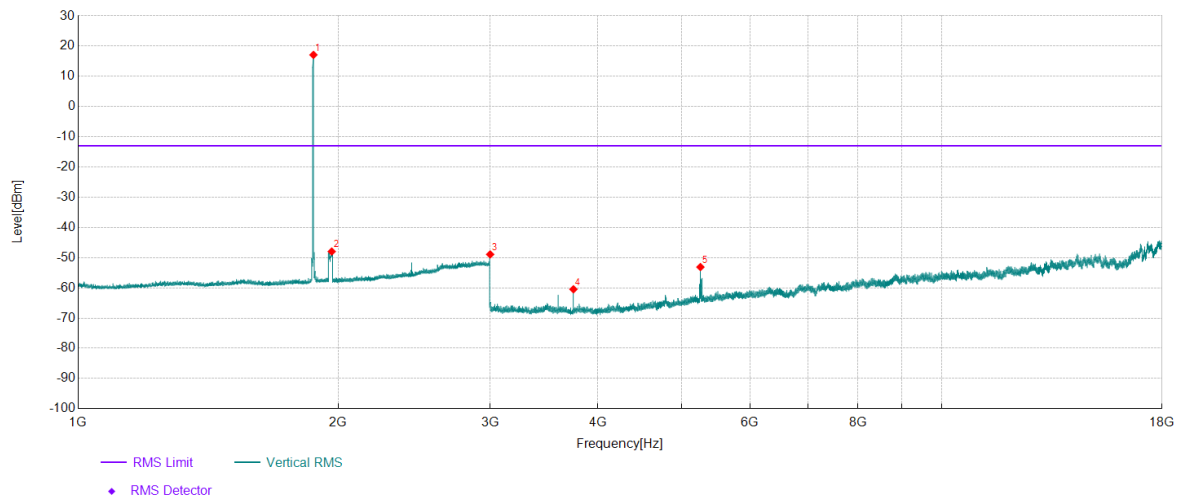
Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1873.00	112.38	-95.05	17.33	-	-	Horizontal	NA
2	1963.80	46.48	-94.66	-48.18	-	-	Horizontal	NA
3	2402.20	46.60	-93.83	-47.23	-13.00	34.23	Horizontal	PASS
4	3000.00	42.34	-90.94	-48.60	-13.00	35.60	Horizontal	PASS
5	5283.00	45.76	-101.70	-55.94	-13.00	42.94	Horizontal	PASS

Project Information

Mode:	NSA	Band:	EN_DC_71A_n25A
Bandwidth:	20MHz+20MHz	Channel:	Mid
IMEI:	016716000000052	Engineer:	Ou Shuyan
Remark:			

Test Graph



Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	Verdict
1	1873.00	112.17	-95.05	17.12	-	-	Vertical	NA
2	1966.40	46.70	-94.68	-47.98	-	-	Vertical	NA
3	3000.00	42.01	-90.94	-48.93	-13.00	35.93	Vertical	PASS
4	3746.00	46.95	-107.43	-60.48	-13.00	47.48	Vertical	PASS
5	5256.00	48.95	-102.07	-53.12	-13.00	40.12	Vertical	PASS

~The End~