

TEST REPORT

EUT Description	5G DIGITAL MOBILE PHONE
Brand Name	VERTU
Model Name	VTL-202502
FCC ID	2BGHD-VTL202502
IC ID	32468-VTL202502
Date of Test Start/End	2026-03-13 / 2026-05-15

Applicant	Chengdu Xiaochen Technology Co., Ltd
Address	3rd Floor,Building B6,Ganzhizhongguo Chengdu Center,No.777 Huafu Avenue Shuangliu County,Chengdu City,Sichuan Province,China
Manufacturers	Same as Application
Address	Same as Application
Factory	Same as Application
Address	Same as Application

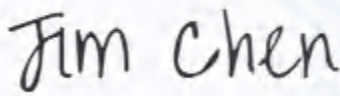
Reference Standards	47 CFR Part 15, Subpart E 15.407 RSS-247 Issue 4, July 24, 2025 RSS-Gen Issue 5 Amendment 2 (February 2021) (see section 1)
---------------------	--

Test Report identification	RL20260313003ED
	Rev. 00
Revision Control	This test report revision replaces any previous test report revision. (see Document Changes)

Test Result: **Pass***

*The EUT complied with the test item(s) of the above standard (s), refer to the test summary for details.

Authorized for issue by:

 Jim Chen / Project Engineer	
--	---

Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District,
Shenzhen, Guangdong Province, China
Tel: +86 0755 23080694

Document Changes

Status	Date of issue	Revision	Description of the performed changes
Active	2025-08-26	Rev. 00	None (original version).



2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart E 15.407 RSS-247 Issue 4, July 2025	N/A	47 CFR Part 15, Subpart C 15.203 RSS-Gen Section 6.8	Pass
Transmission in the Absence of Data		N/A	47 CFR Part 15, Subpart E 15.407 (c) RSS-247 Section 7.3.7(a)	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407 RSS-247 Issue 4, July 2025	ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 Section 6.2	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9) RSS-Gen Section 8.8	Pass
Radiated Emissions (Below 1GHz)		ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 Section 6.4,6.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b) RSS-Gen Section 8.9	Pass
Radiated Emissions (Above 1GHz)		ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 Section 6.6	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b) RSS-Gen Section 8.9	Pass
Radiated Emissions which fall in the restricted bands		ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b) RSS-Gen Section 8.10	Pass
Duty Cycle		ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 Section 12.2	ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 Section Section 12.2 ANSI C63.10 Section 12.2	Pass
99% Bandwidth		ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 Section 12.5.3	ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 Section Section 12.4.2 RSS-Gen Section 6.7	Pass
26dB Emission bandwidth		ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 Section 12.5.2	47 CFR Part 15, Subpart E 15.407 (a) RSS-247 Section 7.3.1.3(b)	Pass

Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Minimum 6 dB bandwidth (5.725-5.85 GHz band)		ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 Section 12.5.1	47 CFR Part 15, Subpart E 15.407 (e) RSS-247 Section 7.3.4.2	Pass
Maximum Conducted output power		ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 Section 12.4	47 CFR Part 15, Subpart E 15.407 (a) RSS-247 Section 7.3.1.2 & 7.3.2.2 & 7.3.2.2 & 7.3.4.3	Pass
Peak Power spectrum density		ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 Section 12.6	47 CFR Part 15, Subpart E 15.407 (a) RSS-247 Section 7.3.1.2 & 7.3.2.2 & 7.3.2.2 & 7.3.4.3	Pass
Frequency Stability		ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 Section 6.8	47 CFR Part 15, Subpart E 15.407 (g) RSS-Gen Section 8.11	Pass
Non-occupancy period		KDB 905462 D02 Section 7.8.3 ETSI EN 301 893 v2.2.1	KDB 905462 D02 Section 5.1	Pass
Channel Move Time		KDB 905462 D02 Section 7.8.3 ETSI EN 301 893 v2.2.1	KDB 905462 D02 Section 5.1	Pass
Channel Closing Transmission Time		KDB 905462 D02 Section 7.8.3 ETSI EN 301 893 v2.2.1	KDB 905462 D02 Section 5.1	Pass

Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

3 Contents

	Page
1 Cover Page	1
2 Test Summary	3
3 Contents.....	5
4 General Information	7
4.1 Details of E.U.T.	7
4.2 Environment Parameter.....	8
4.3 Description of Support Units.....	8
4.4 Measurement Uncertainty	9
4.5 Test Location	9
4.6 Deviation from Standards	9
4.7 Abnormalities from Standard Conditions	9
5 Equipment List	10
6 Emission Test Results.....	14
6.1 Antenna Requirement.....	14
6.1.1 Test Requirement:.....	14
6.1.2 Conclusion	14
6.2 Transmission in the Absence of Data	16
6.2.1 Test Requirement:.....	16
6.2.2 Conclusion	16
7 Radio Spectrum Matter Test Results	17
7.1 Conducted Emissions at AC Power Line (150kHz-30MHz).....	17
7.1.1 E.U.T. Operation	17
7.1.2 Test Mode Description	17
7.1.3 Test Setup Diagram	18
7.1.4 Measurement Procedure and Data	18
7.2 Radiated Emissions (Below 1GHz)	21
7.2.1 E.U.T. Operation	21
7.2.2 Test Mode Description	21
7.2.3 Test Setup Diagram	21
7.2.4 Measurement Procedure and Data	22
7.3 Radiated Emissions (Above 1GHz).....	25
7.3.1 E.U.T. Operation	25
7.3.2 Test Mode Description	26
7.3.3 Test Setup Diagram	26
7.3.4 Measurement Procedure and Data	27
7.4 Radiated Emissions which fall in the restricted bands.....	74
7.4.1 E.U.T. Operation	74
7.4.2 Test Mode Description	74
7.4.3 Test Setup Diagram	75
7.4.4 Measurement Procedure and Data	76
7.5 Duty Cycle	134
7.5.1 E.U.T. Operation	134
7.5.2 Test Mode Description	134
7.5.3 Test Setup Diagram	134
7.5.4 Measurement Procedure and Data	134
7.6 99% Bandwidth.....	135



Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District,
Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

7.6.1	E.U.T. Operation	135
7.6.2	Test Mode Description	135
7.6.3	Test Setup Diagram	135
7.6.4	Measurement Procedure and Data	135
7.7	26dB Emission bandwidth	136
7.7.1	E.U.T. Operation	136
7.7.2	Test Mode Description	136
7.7.3	Test Setup Diagram	136
7.7.4	Measurement Procedure and Data	136
7.8	Minimum 6 dB bandwidth (5.725-5.85 GHz band)	137
7.8.1	E.U.T. Operation	137
7.8.2	Test Mode Description	137
7.8.3	Test Setup Diagram	137
7.8.4	Measurement Procedure and Data	137
7.9	Maximum Conducted output power.....	138
7.9.1	E.U.T. Operation	138
7.9.2	Test Mode Description	138
7.9.3	Test Setup Diagram	139
	Measurement Procedure and Data	139
7.10	Peak Power spectrum density	140
7.10.1	E.U.T. Operation	140
7.10.2	Test Mode Description	140
7.10.3	Test Setup Diagram	141
7.10.4	Measurement Procedure and Data	141
7.11	Frequency Stability	142
7.11.1	E.U.T. Operation	142
7.11.2	Test Mode Description	142
7.11.3	Test Setup Diagram	142
7.11.4	Measurement Procedure and Data	142
7.12	Non-occupancy period.....	143
7.12.1	E.U.T. Operation	143
7.12.2	Test Mode Description	143
7.12.3	Test Setup Diagram	144
7.12.4	Measurement Procedure and Data	145
7.13	Channel Move Time	146
7.13.1	E.U.T. Operation	146
7.13.2	Test Mode Description	146
7.13.3	Test Setup Diagram	147
7.13.4	Measurement Procedure and Data	148
7.14	Channel Closing Transmission Time.....	149
7.14.1	E.U.T. Operation	149
7.14.2	Test Mode Description	149
7.14.3	Test Setup Diagram	150
7.14.4	Measurement Procedure and Data	151
8	Test Setup Photo.....	152
9	Appendix.....	153

4 General Information

4.1 Details of E.U.T.

EUT Description:	5G DIGITAL MOBILE PHONE			
Model No.:	VTL-202502			
Trade Mark:	VERTU			
Hardware Version:	P10			
Software Version:	15.0.2_6.01.01.01			
Power Supply:	DC 3.83V from internal rechargeable battery which can be charge by AC/DC adapter			
WLAN Mode Supported:	802.11a:	20 MHz channel bandwidth		
	802.11n:	20 MHz / 40 MHz channel bandwidth		
	802.11ac:	20 MHz / 40 MHz / 80 MHz channel bandwidth		
	802.11ax:	20 MHz / 40 MHz / 80 MHz channel bandwidth		
Operation Frequency:	Band	Mode	Frequency Range(MHz)	Number of channels
	UNII Band I	802.11a/n(HT20)/ac(HT20)/ax(HT20):	5180-5240	4
		802.11n(HT40)/ac(HT40)/ax(HT40):	5190-5230	2
		802.11ac(HT80)/ax(HT80):	5210	1
	UNII Band II-A	802.11a/n(HT20)/ac(HT20)/ax(HT20):	5260-5320	4
		802.11n(HT40)/ac(HT40)/ax(HT40):	5270-5310	2
		802.11ac(HT80)/ax(HT80):	5290	1
	UNII Band II-C	802.11a/n(HT20)/ac(HT20)/ax(HT20):	5500-5700	11
		802.11n(HT40)/ac(HT40)/ax(HT40):	5510-5670	5
		802.11ac(HT80)/ax(HT80):	5530,5610	2
	UNII Band III	802.11a/n(HT20)/ac(HT20)/ax(HT20):	5745-5825	5
		802.11n(HT40)/ac(HT40)/ax(HT40):	5755-5795	2
		802.11ac(HT80)/ax(HT80):	5775	1
Modulation Type:	802.11a:	OFDM (BPSK, QPSK, 16QAM, 64QAM)		

Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

	802.11n:	OFDM (BPSK, QPSK, 16QAM, 64QAM)		
	802.11ac:	OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)		
	802.11ax:	OFDM /OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)		
Channel Spacing:	20MHz:	802.11a/n(HT20)/ac(VHT20)/ax(HE20)		
	40MHz:	802.11n(HT40)/ac(VHT40)/ax(HE40)		
	80MHz:	802.11ac(VHT80)/ax(HE80)		
Antenna Type:	PIFA Antenna			
Antenna Gain*:	☒ Provided by client			
	5.15~5.25GHz: -3.5dBi(Ant8); -3.6dBi(Ant5)			
	5.25~5.35GHz: -3.5dBi(Ant8); -3.6dBi(Ant5)			
	5.47~5.725GHz: -3.5dBi(Ant8); -3.6dBi(Ant5)			
	5.725~5.85GHz: -3.5dBi(Ant8); -3.6dBi(Ant5)			
Smart System:	☒ SISO	802.11a		
	☒ MIMO	802.11n/ac/ax: 2Tx & 2Rx		
	☒ Diversity	CDD: 802.11a: 2Tx & 2Rx		
DFS Function:	☐ Master			
	☐ Slave with radar detection		☒ Slave without radar detection	
TPC Function:	☒ Support ☐ Not Support			
PDU Type:	SU,TB			
RF Cable:	4900MHz ~ 5250MHz (1.6dB)	5250MHz ~ 5350MHz (1.7dB)	5470MHz ~ 5725MHz (1.8dB)	

Note: *Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information , Radiolink test lab is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.

Remark:As above information is provided and confirmed by the applicant. Radiolink test lab is not liable to the accuracy, suitability, reliability or/and integrity of the information.



4.2 Power Setting of Test Software

Software Name	Qualcomm3 Radio Control Toolkit v4.0					
Frequency(MHz)	5180	5200	5240	5260	5280	5320
802.11a Setting(ANT5&8)	18	19	19	19	19	17
Frequency(MHz)	5500	5580	5700	5745	5785	5825
802.11a Setting(ANT5&8)	19	19	19	19	19	19
Frequency(MHz)	5180	5200	5240	5260	5280	5320
802.11n20 Setting(MIMO)	17	19	18.5	19	19	18
Frequency(MHz)	5500	5580	5700	5745	5785	5825
802.11n20Setting (MIMO)	11	19	14	19	19	19
Frequency(MHz)	5190	5230	5270	5310	5510	5550
802.11N40 Setting (MIMO)	11	18.5	18.5	11.5	10	18.5
Frequency(MHz)	5670	5710	5755	5795	/	/
802.11N40 Setting (MIMO)	18.5	18.5	18.5	18.5	/	/
Frequency(MHz)	5180	5200	5240	5260	5280	5320

Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

802.11ac20 Setting (MIMO)	18	18	18	18	18	17
Frequency(MHz)	5500	5580	5700	5745	5785	5825
802.11ac20 Setting (MIMO)	18	18	16	18	18	18
Frequency(MHz)	5190	5230	5270	5310	5510	5550
802.11ac40 Setting (MIMO)	11	17.5	17.5	11	13	17.5
Frequency(MHz)	5670	5710	5755	5795	/	/
802.11ac40 Setting (MIMO)	17.5	17.5	17.5	17.5	/	/
Frequency(MHz)	5210	5290	5530	5610	5690	5775
802.11ac80 Setting (MIMO)	10.5	10	12.5	17	17	17
Frequency(MHz)	5180	5200	5240	5260	5280	5320
802.11ax20 Setting (MIMO)	16.5	18	18	18	18	15.5
Frequency(MHz)	5500	5580	5700	5745	5785	5825
802.11ax20 Setting (MIMO)	18	18	16.5	18	18	18
Frequency(MHz)	5190	5230	5270	5310	5510	5550
802.11ax40 Setting (MIMO)	10.5	17.5	16	11.5	15	17.5
Frequency(MHz)	5670	5710	5755	5795	/	/
802.11ax40 Setting (MIMO)	16	17.5	17.5	17.5	/	/
Frequency(MHz)	5210	5290	5530	5610	5690	5775
802.11ax80 Setting (MIMO)	10.5	10	12.5	17	17	17

4.3 Environment Parameter

Environment Parameter	1020 mbar Selected Values During Tests	
Relative Humidity	38.8-50.8 % RH Ambient	
Value	Temperature(°C)	Voltage(V)
NTNV	22.2~24.5	3.83
LTNV	-30~0	3.4
HTNV	50	4.3

Note:

NV:Normal Voltage

LV:Low Extreme Test Voltage

HV:High Extreme Test Voltage

NT:Normal Temperature

LT:Low Extreme Test Temperature

HT:High Extreme Test Temperature

4.4 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Router	NETGEAR	R7800	PY315100319

The EUT has been tested as an independent unit.

4.5 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	± 3.2dB

Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

Radiated Emissions which fall in the restricted bands	$\pm 3.7\text{dB}$ (Below 1GHz), $\pm 4.7\text{dB}$ (Above 1GHz)
Radiated Spurious Emissions Below 1GHz	$\pm 3.7\text{dB}$
Radiated Spurious Emissions Above 1GHz	$\pm 4.7\text{dB}$
Duty Cycle	$\pm 0.37\%$
99% Bandwidth	$\pm 3\%$
26dB Emission bandwidth	$\pm 3\%$
Minimum 6 dB bandwidth (5.725-5.85 GHz band)	$\pm 3\%$
Maximum Conducted output power	$\pm 0.35\text{dB}$
Peak Power spectrum density	$\pm 2.7\text{dB}$
Frequency Stability	$\pm 5.4 \times 10^{-8}$
Remark: The U_{lab} (lab Uncertainty) is less than $U_{\text{CISPR/ETSI}}$ (CISPR/ETSI Uncertainty), so the test results – compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit; – non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.	

4.6 Test Location

All tests were performed at:

Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

No tests were sub-contracted.

4.7 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:
. A2LA (Certificate No. 7572.01)
Radiolink Testing (Shenzhen) Co., Ltd, Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 7572.01.

4.8 Deviation from Standards

None

4.9 Abnormalities from Standard Conditions

None

Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

5 Equipment List

Transmitter unwanted emissions in the spurious domain/ Receiver spurious emissions					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Anechoic Chamber	TDK	966	RL01-01	2024/11/22	2027/11/21
Horn Antenna(1GHz-18GHz)	Schwarzbeck	BBHA 9120D	RL03-01	2025/3/28	2028/3/27
BiConiLog Antenna(30MHz-3GHz)	Schwarzbeck	VULB9163	RL03-02	2025/4/7	2028/4/6
Active Loop Antenna(9kHz-30MHz)	Schwarzbeck	FMZB 1519B	RL03-03	2025/3/28	2028/3/27
Horn Antenna(15GHz-40GHz)	Schwarzbeck	BBHA 9170	RL03-04	2025/3/28	2028/3/27
Horn Antenna(15GHz-40GHz)	Schwarzbeck	BBHA 9170	RL03-05	2025/3/28	2028/3/27
MXE EMI Receiver(3Hz-8.4GHz)	KEYSIGHT	N9038A	RL04-01	2025/3/31	2026/3/30
MXE EMI Receiver(3Hz-8.4GHz)	KEYSIGHT	N9038A	RL04-01	2026/4/03	2027/4/02
EXA Signal Analyzer(10Hz-44GHz)	KEYSIGHT	N9010B	RL04-03	2025/3/31	2026/3/30
EXA Signal Analyzer(10Hz-44GHz)	KEYSIGHT	N9010B	RL04-03	2026/4/3	2027/4/2
Pre-Amplifier(500MHz-18GHz)	Tonscend	TPA-011845	RL06-02	2025/3/31	2026/3/30
Pre-Amplifier(500MHz-18GHz)	Tonscend	TPA-011845	RL06-02	2026/4/3	2027/4/2
Pre-Amplifier(18GHz-26GHz)	Tonscend	TPA-182645	RL06-03	2025/3/31	2026/3/30
Pre-Amplifier(18GHz-26GHz)	Tonscend	TPA-182645	RL06-03	2026/4/3	2027/4/2
Pre-Amplifier(26GHz-40GHz)	Tonscend	TPA-184045	RL06-04	2025/3/31	2026/3/30
Pre-Amplifier(26GHz-40GHz)	Tonscend	TPA-184045	RL06-04	2026/4/3	2027/4/2
Pre-Amplifier(0.4GHz-8GHz)	TST PASS	LNA04080G30	RL06-05	2025/4/11	2026/4/10
Pre-Amplifier(0.4GHz-8GHz)	TST PASS	LNA04080G30	RL06-05	2026/4/3	2027/4/2
Attenuation Clamp(150kHz-1000MHz)	Teseq	KEMA 801A	RL07-09	2025/4/3	2026/4/2
Attenuation Clamp(150kHz-1000MHz)	Teseq	KEMA 801A	RL07-09	2026/4/13	2027/4/12
AC Power Source	Preen	KDF-11002G	RL08-03	2025/3/31	2026/3/30
AC Power Source	Preen	KDF-11002G	RL08-03	2026/4/3	2027/4/2
Intelligent Line Power Conditioner	Preen	APS-11040GG	RL08-04	2025/3/31	2026/3/30

Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

Intelligent Line Power Conditioner	Preen	APS-11040GG	RL08-04	2026/4/3	2027/4/2
Coaxial Cable(9kHz-30MHz)	Radiolink	N/A	RL20-01	N/A	N/A
Coaxial Cable(30MHz-1000MHz)	Radiolink	N/A	RL20-02	N/A	N/A
Coaxial Cable(1GHz-18GHz)	Radiolink	N/A	RL20-03	N/A	N/A
Coaxial Cable(18GHz-40GHz)	Radiolink	N/A	RL20-04	N/A	N/A
Coaxial Cable(9kHz-30MHz)	Radiolink	N/A	RL20-05	N/A	N/A
Measurement Software	AUDIX	e3 V9	N/A	N/A	N/A



Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

Conducted Emissions at Mains Terminals (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	TDK	643	RL01-01	2025/03/31	2028/03/30
EMI Test Receiver	Rohde & Schwarz	ESPI-3	RL04-02	2025/04/11	2026/04/10
EMI Test Receiver	Rohde & Schwarz	ESPI-3	RL04-02	2026/04/03	2027/04/02
V-LISN(9kHz-30MHz)	Rohde & Schwarz	NSLK 8127 RC	RL07-01	2025/03/31	2026/03/30
V-LISN(9kHz-30MHz)	Rohde & Schwarz	NSLK 8127 RC	RL07-01	2026/04/03	2027/04/02
Measurement Software	AUDIX	e3 V9	N/A	N/A	N/A

RF Conducted Test					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
EXA Signal Analyzer(10Hz-44GHz)	KEYSIGHT	N9010B	RL04-03	2025/3/31	2026/3/30
EXA Signal Analyzer(10Hz-44GHz)	KEYSIGHT	N9010B	RL04-03	2026/4/3	2027/4/2
MXG Vector Signal Generator(100kHz-6GHz)	N5182A	N5182A	RL05-05	2025/3/31	2026/3/30
MXG Vector Signal Generator(100kHz-6GHz)	N5182A	N5182A	RL05-05	2026/4/3	2027/4/2
DC Regulated Power Supply	Radiolink	N/A	RL13-01	2025/4/3	2026/04/02
DC Regulated Power Supply	Radiolink	N/A	RL13-01	2026/04/03	2027/04/02
Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	RL14-01	2025/4/3	2026/04/02
Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	RL14-01	2026/04/03	2027/04/02
SIGNAL GENERATOR(10MHz-20GHz)	SMP22	SMP22	RL05-06	2025/3/31	2026/3/30
SIGNAL GENERATOR(10MHz-20GHz)	SMP22	SMP22	RL05-06	2026/4/3	2027/4/2
Wideband Radio Communication Tester	CMW 500	CMW 500	RL05-07	2025/3/31	2026/3/30
Wideband Radio Communication Tester	CMW 500	CMW 500	RL05-07	2026/4/3	2027/4/2
VAT-10+ 10dB ATTENUATOR	Mini-Circuits	31425	RL05-15	2025/3/31	2026/3/30
VAT-10+ 10dB ATTENUATOR	Mini-Circuits	31425	RL05-15	2026/4/3	2027/4/2
VAT-30+ 30dB	Mini-Circuits	31635	RL05-16	2025/3/31	2026/3/30

Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China
Tel: +86 0755 23080694

ATTENUATOR					
VAT-30+ 30dB ATTENUATOR	Mini-Circuits	31635	RL05-16	2026/4/3	2027/4/2
Router	TELTONIKA	RUTX12	RL15-01	2025/3/31	2026/3/30
Router	TELTONIKA	RUTX12	RL15-01	2026/4/3	2027/4/2
Measurement Software	TST	TSTPASS V2.0	N/A	N/A	N/A

General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Electronic Hygrothermograph	deli	8838	RL02-02	2025/3/29	2026/3/28
Electronic Hygrothermograph	deli	8838	RL02-02	2026/5/7	2027/5/6
Electronic Hygrothermograph	deli	8838	RL02-03	2025/3/29	2026/3/28
Electronic Hygrothermograph	deli	8838	RL02-03	2026/4/23	2027/4/22
Electronic Hygrothermograph	deli	8838	RL02-04	2025/3/29	2026/3/28
Electronic Hygrothermograph	deli	8838	RL02-04	2026/4/23	2027/4/22
Electronic Hygrothermograph	deli	8838	RL02-05	2025/3/29	2026/3/28
Electronic Hygrothermograph	deli	8838	RL02-05	2026/4/8	2027/4/07
Barometer	Shanghai Mengte Instrument	DYM3	RL02-01	2025/03/31	2026/03/30
Barometer	Shanghai Mengte Instrument	DYM3	RL02-01	2026/4/8	2027/4/7



Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District,
Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

6 Emission Test Results

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)
RSS-Gen Section 6.8

6.1.2 Conclusion

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is a PIFA Antenna, and the connection port is integrated inside the product, and the antenna cannot be replaced.

5150MHz to 5250MHz: -3.5dBi(Ant8); -3.6dBi(Ant5)*

5250MHz to 5350MHz: -3.5dBi(Ant8); -3.6dBi(Ant5)*

5470MHz to 5725MHz: -3.5dBi(Ant8); -3.6dBi(Ant5)*

5725MHz to 5850MHz: -3.5dBi(Ant8); -3.6dBi(Ant5); *

*Note:

The antenna gain are derived from the gain information report provided by the manufacturer.

Remark:

As above information is provided and confirmed by the applicant. Radiolink test lab is not liable to the accuracy, suitability, reliability or/and integrity of the information.



Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District,
Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

Cyclic Delay Diversity (CDD) System:

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

If all antennas have the same gain, G_{ANT} , Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

- For power spectral density (PSD) measurements on all devices,
Array Gain = $10 \log(N_{ANT}/N_{SS}=1)$ dB.
- For power measurements on IEEE 802.11 devices:
Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

For power, the directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 v02r01.

The Power and PSD limit should be modified if the directional gain of eut is over 6dbi.

The EUT supports CDD System.

Unequal antenna gain:

Operation Frequency	ANT Gain0 (dBi)	ANT Gain1 (dBi)	Directional gain For Power (dBi)	Directional gain For PSD (dBi)	Power Limit Reduction (dBm)	PSD Limit Reduction (dBm)
5150MHz to 5250MHz	-3.5	-3.6	-3.5	-0.54	0	0
5250MHz to 5350MHz	-3.5	-3.6	-3.5	-0.54	0	0
5470MHz to 5725MHz	-3.5	-3.6	-3.5	-0.54	0	0
5725MHz to 5850MHz	-3.5	-3.6	-3.5	-0.54	0	0

5150MHz to 5250MHz:

Power Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0

PSD Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0

5250MHz to 5350MHz:

Power Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0

PSD Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0

5470MHz to 5725MHz:

Power Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0

PSD Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0

5725MHz to 5850MHz:

Power Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0

PSD Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0

Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)
RSS-Gen Section 6.8

6.2.2 Conclusion

Standard Requirement:

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals.

Applicants shall include in their application for equipment authorization a description of how this requirement is met.

EUT Details:

WIFI chip support automatically discontinue transmission in case of either absence of information to transmit or operational failure, if the chip detect absence of information to transmit or operational failure, it will be automatically shut off.



Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District,
Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

7 Radio Spectrum Matter Test Results

7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)
RSS-Gen Section 8.8

Test Method: ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024
Section 6.2

Limit:

Frequency of emission(MHz)
0.15-0.5
0.5-5
5-30
*Decreases with the logarithm of the frequency.
Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.3 °C Humidity: 48 % RH Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

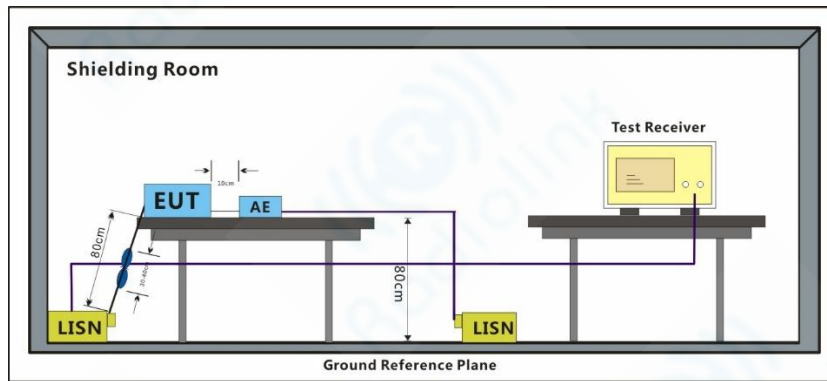
Mode Code	Description
1	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

7.1.3 Test Setup Diagram

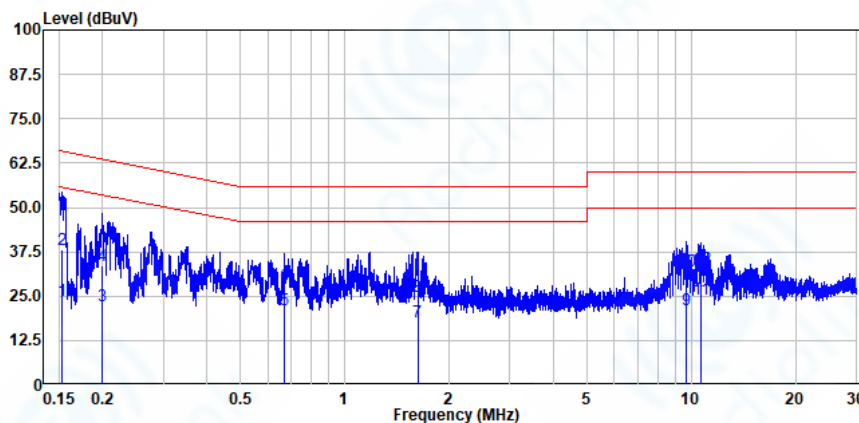


7.1.4 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50\Omega/50\mu\text{H} + 5\Omega$ linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark : Level=Read Level+ Cable Loss+ LISN Factor

Line: Live line



Site : chamber
 Condition: Line
 EUT : VTL-202502
 Mode : LTEB5 Idle+Adapter+USB cable+SIM2+WIFI Idle+BT Idle+Glonass RX+Back Camer
 Note : RL20260000301A

Result	Freq	Level	Limit	LISN	Cable	Read	Over	Pol/Phase
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1 Pass	0.153	23.87	55.85	0.05	9.81 Average	14.01	-31.98	Line
2 Pass	0.153	38.20	65.85	0.05	9.81 QP	28.34	-27.65	Line
3 Pass	0.200	22.38	53.61	0.10	9.92 Average	12.36	-31.23	Line
4 Pass	0.200	33.62	63.61	0.10	9.92 QP	23.60	-29.99	Line
5 PP	0.669	21.00	46.00	0.10	10.49 Average	10.41	-25.00	Line
6 Pass	0.669	28.10	56.00	0.10	10.49 QP	17.51	-27.90	Line
7 Pass	1.624	17.62	46.00	0.12	10.62 Average	6.88	-28.38	Line
8 Pass	1.624	24.77	56.00	0.12	10.62 QP	14.03	-31.23	Line
9 Pass	9.667	21.26	50.00	0.37	10.46 Average	10.43	-28.74	Line
10 Pass	9.667	31.90	60.00	0.37	10.46 QP	21.07	-28.10	Line
11 Pass	10.676	24.04	50.00	0.41	10.45 Average	13.18	-25.96	Line
12 QP	10.676	32.89	60.00	0.41	10.45 QP	22.03	-27.11	Line

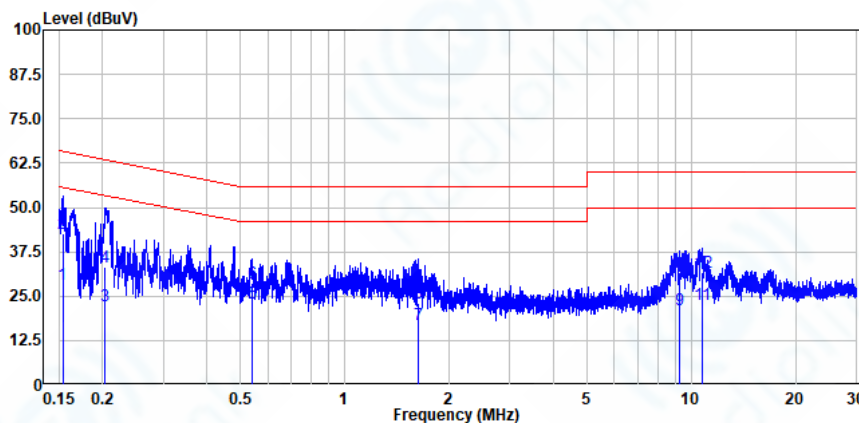


Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

Line: Neutral Line



Site : chamber
Condition: Neutral
EUT : VTL-202502
Mode : LTEB5 Idle+Adapter+USB cable+SIM2+WIFI Idle+BT Idle+Glonass RX+Back Camer
Note : RL20260000301A

Result	Freq	Level	Limit	LISN	Cable	Read	Over	Pol/Phase
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1 Pass	0.154	28.48	55.81	0.18	9.81 Average	18.49	-27.33	Neutral
2 QP	0.154	42.59	65.81	0.18	9.81 QP	32.60	-23.22	Neutral
3 Pass	0.204	22.32	53.44	0.15	9.93 Average	12.24	-31.12	Neutral
4 Pass	0.204	33.09	63.44	0.15	9.93 QP	23.01	-30.35	Neutral
5 PP	0.542	23.09	46.00	0.16	10.42 Average	12.51	-22.91	Neutral
6 Pass	0.542	28.72	56.00	0.16	10.42 QP	18.14	-27.28	Neutral
7 Pass	1.637	17.09	46.00	0.17	10.63 Average	6.29	-28.91	Neutral
8 Pass	1.637	23.00	56.00	0.17	10.63 QP	12.20	-33.00	Neutral
9 Pass	9.284	21.09	50.00	0.43	10.47 Average	10.19	-28.91	Neutral
10 Pass	9.284	31.58	60.00	0.43	10.47 QP	20.68	-28.42	Neutral
11 Pass	10.747	22.81	50.00	0.47	10.45 Average	11.89	-27.19	Neutral
12 Pass	10.747	31.63	60.00	0.47	10.45 QP	20.71	-28.37	Neutral



Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

7.2 Radiated Emissions (Below 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
RSS-Gen Section 8.9

Test Method: ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024
Section 6.4,6.5

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
960-1000	500	3

7.2.1 E.U.T. Operation

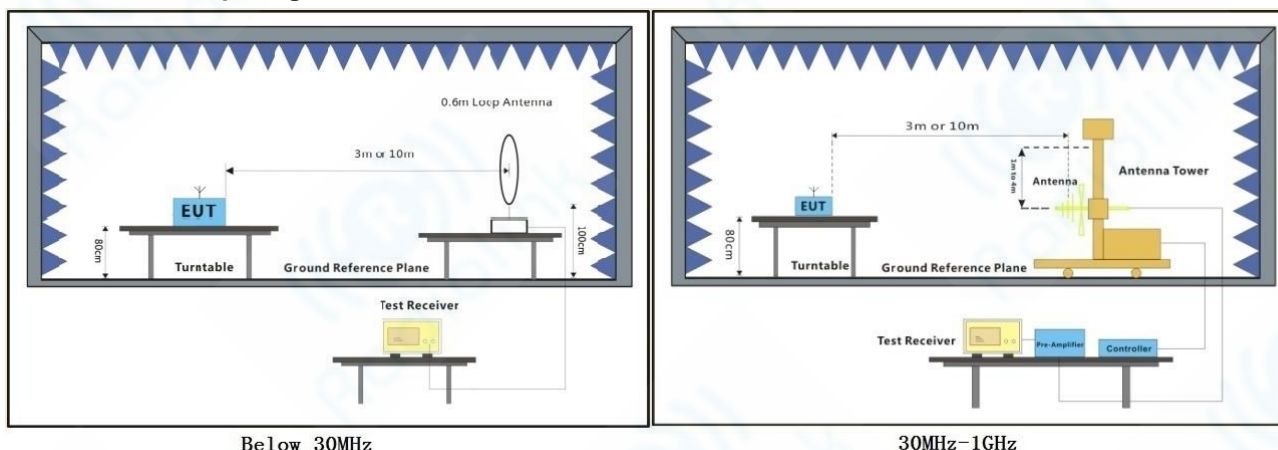
Operating Environment:

Temperature: 23.5 °C Humidity: 46.8 % RH Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

Mode Code	Description
1	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

7.2.3 Test Setup Diagram



Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

7.2.4 Measurement Procedure and Data

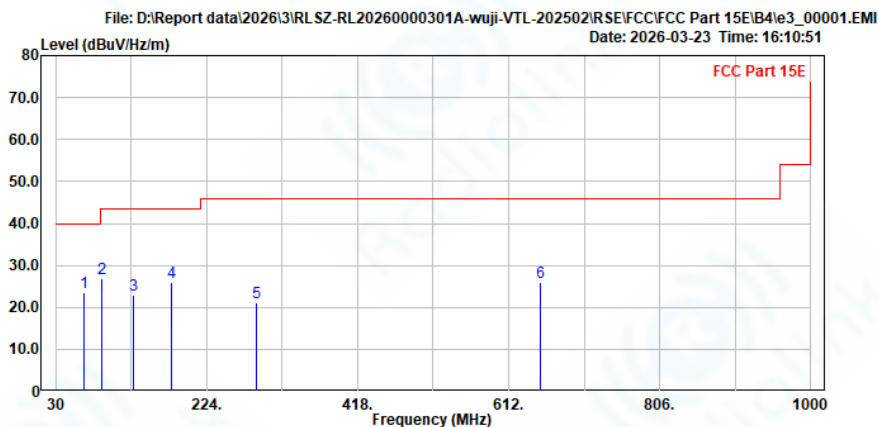
- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
3. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
4. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



Polarity: Horizontal



Site : chamber
Condition: FCC Part 15E 3m ANT_VULB9163-30M-1GHz-20250411-FCC HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11n_TX_CH 149 LF
Power : 19
Rate : MCS0
Note : IMEI:358028660010991

	Freq	Pol/Phase	Read Level	Limit Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
	MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1	65.890	HORIZONTAL	39.76	23.54	40.00	-16.46	Peak	32.00	0.93	14.85
2	89.170	HORIZONTAL	44.09	26.78	43.50	-16.72	Peak	31.95	0.89	13.75
3	129.910	HORIZONTAL	30.70	22.99	43.50	-20.51	Peak	31.87	11.53	12.63
4	178.410	HORIZONTAL	34.70	25.90	43.50	-17.60	Peak	31.82	9.61	13.41
5	288.020	HORIZONTAL	34.13	20.98	46.00	-25.02	Peak	31.89	1.58	17.16
6	652.740	HORIZONTAL	32.00	25.93	46.00	-20.07	Peak	31.90	2.28	23.55

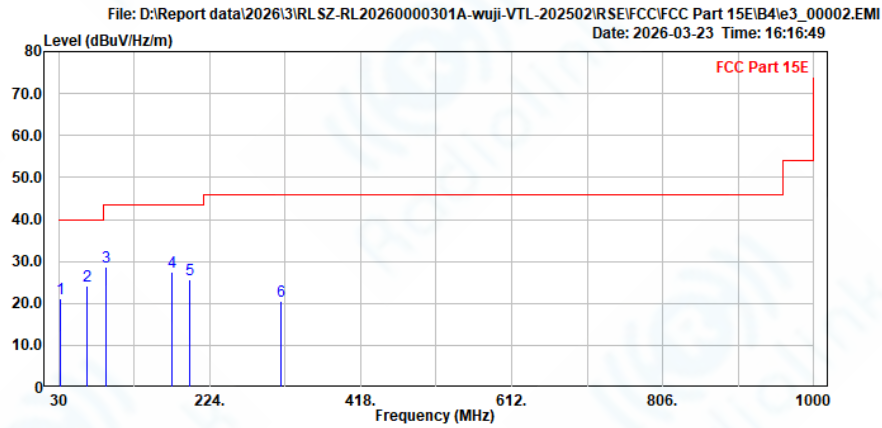


Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

Polarity: Vertical



Site : chamber
Condition: FCC Part 15E 3m ANT_VULB9163-30M-1GHz-20250411-FCC VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11n_TX_CH 149 LF
Power : 19
Rate : MCS0
Note : IMEI:358028660010991

	Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
	MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1	31.940	VERTICAL	36.90	21.12	40.00	-18.88	Peak	32.00	0.83	15.39
2	65.890	VERTICAL	40.29	24.07	40.00	-15.93	Peak	32.00	0.93	14.85
3	90.140	VERTICAL	45.58	28.57	43.50	-14.93	Peak	31.95	0.94	14.00
4	175.500	VERTICAL	35.52	27.50	43.50	-16.00	Peak	31.82	10.52	13.28
5	198.780	VERTICAL	36.65	25.78	43.50	-17.72	Peak	31.80	5.74	15.19
6	316.150	VERTICAL	33.11	20.56	46.00	-25.44	Peak	31.88	1.64	17.69



Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

7.3 Radiated Emissions (Above 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
RSS-Gen Section 8.9

Test Method: ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024
Section 6.6

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

*(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.



7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C Humidity: 50.8 % RH Atmospheric Pressure: 1020 mbar

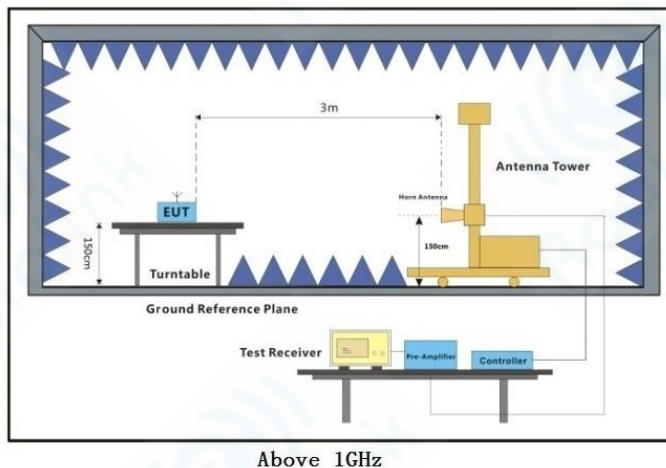
Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District,
Shenzhen, Guangdong Province, China
Tel: +86 0755 23080694

7.3.2 Test Mode Description

Mode Code	Description
1	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

7.3.3 Test Setup Diagram



Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

7.3.4 Measurement Procedure and Data

- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
5. For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.
6. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.
7. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $< 98\%$) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.

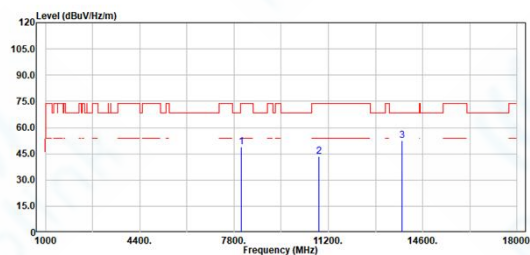
Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District,
Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694



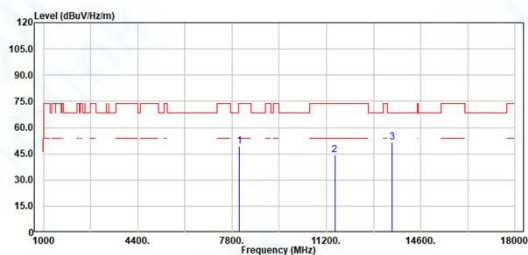
11a_TX_CH_36_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 36
Power : 19
Rate : 6M
Note : IMEI:358028660010991

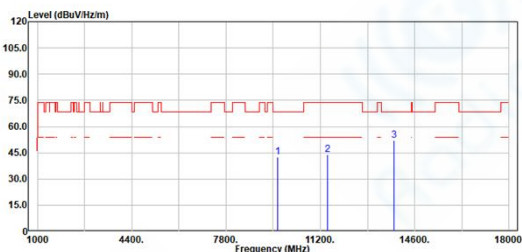
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant Factor
1 8065.000	Vertical	35.48	49.00	74.00	-25.00	Peak	47.24	11.96	37.84
2 10845.000	Vertical	26.16	43.69	74.00	-30.31	Peak	47.49	14.73	39.08
3 13845.000	Vertical	25.83	52.67	68.20	-15.53	Peak	48.13	22.54	42.00

11a_TX_CH_36_Vertical



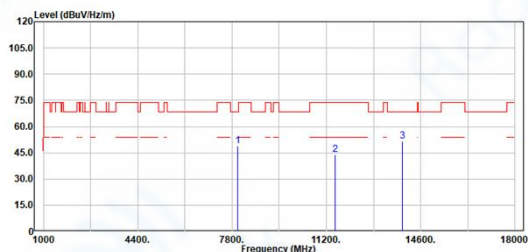
Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 36
Power : 19
Rate : 6M
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant Factor
1 8065.000	Vertical	35.85	49.37	74.00	-24.63	Peak	47.24	11.96	37.84
2 11500.000	Vertical	24.96	44.46	74.00	-29.54	Peak	47.82	15.65	40.80
3 13562.000	Vertical	25.86	51.55	68.20	-16.65	Peak	48.23	21.79	41.46



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 40
Power : 19
Rate : 6M
Note : IMEI:358028660010991

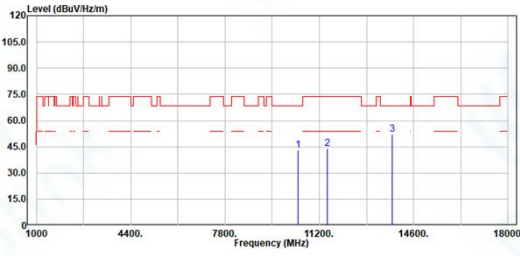
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant Factor
1 9653.000	HORIZONTAL	25.92	42.38	68.20	-25.82	Peak	46.89	13.36	39.74
2 11455.000	HORIZONTAL	24.33	43.93	74.00	-30.07	Peak	47.77	15.56	40.93
3 13869.000	HORIZONTAL	24.53	51.89	68.20	-16.31	Peak	48.12	22.60	42.00



Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 40
Power : 19
Rate : 6M
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant Factor
1 8004.000	VERTICAL	35.46	48.59	68.20	-19.21	Peak	47.27	11.96	37.44
2 11523.000	VERTICAL	24.53	44.03	74.00	-29.97	Peak	47.83	15.71	40.73
3 13954.000	VERTICAL	24.42	51.70	68.20	-16.50	Peak	48.10	22.83	42.22

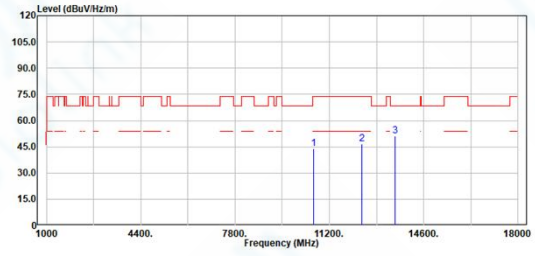
11a_TX_CH_48_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 48
Power : 19
Rate : 6M
Note : IMEI:358028660010991

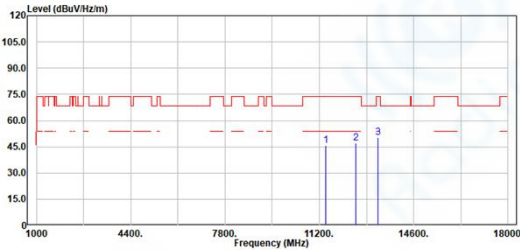
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1 10435.000	HORIZONTAL	25.36	43.09	68.20	-25.11	Peak	47.89	14.68	40.18
2 11409.000	HORIZONTAL	24.59	44.11	74.00	-29.89	Peak	47.81	15.63	40.83
3 13835.000	HORIZONTAL	25.46	52.07	68.20	-16.13	Peak	48.14	22.51	42.00

11a_TX_CH_48_Vertical



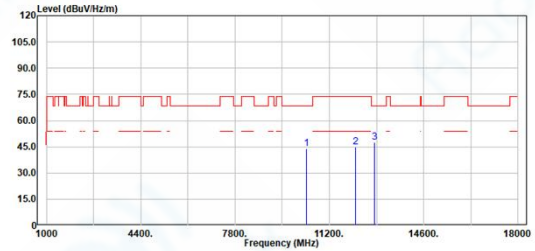
Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 48
Power : 19
Rate : 6M
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1 10622.000	VERTICAL	25.34	43.87	74.00	-30.13	Peak	47.80	14.80	39.92
2 12373.000	VERTICAL	25.86	46.42	74.00	-27.58	Peak	47.83	17.62	38.78
3 13563.000	VERTICAL	25.45	51.14	68.20	-17.06	Peak	48.23	21.80	41.46



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 52
Power : 19
Rate : 6M
Note : IMEI:358028660010991

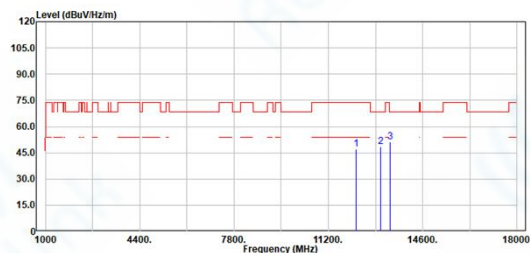
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1 11421.000	HORIZONTAL	25.99	45.69	74.00	-28.31	Peak	47.73	15.50	41.04
2 12509.000	HORIZONTAL	26.19	47.01	74.00	-26.99	Peak	47.79	17.86	39.13
3 13325.000	HORIZONTAL	26.90	50.21	74.00	-23.79	Peak	48.55	20.57	41.28



Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 52
Power : 19
Rate : 6M
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1 10384.000	VERTICAL	26.30	44.05	68.20	-24.15	Peak	47.83	14.55	40.02
2 12135.000	VERTICAL	24.49	44.70	74.00	-29.30	Peak	47.91	17.20	39.36
3 12815.000	VERTICAL	26.51	47.46	68.20	-20.74	Peak	48.25	18.32	40.17

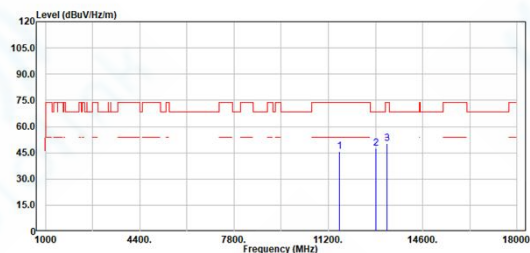
11a_TX_CH_60_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 60
Power : 19
Rate : 6M
Note : IMEI:358028660010991

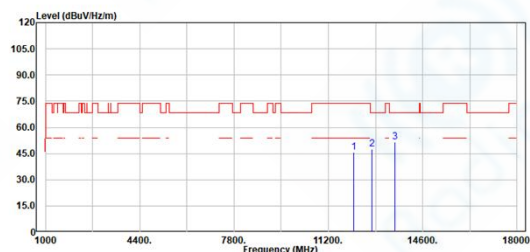
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1 12203.000	HORIZONTAL	26.79	47.17	74.00	-26.83	Peak	47.89	17.32	39.12
2 13807.000	HORIZONTAL	26.90	48.51	68.20	-19.69	Peak	48.40	19.12	40.34
3 13427.000	HORIZONTAL	26.61	51.07	68.20	-17.13	Peak	48.29	21.19	41.47

11a_TX_CH_60_Vertical



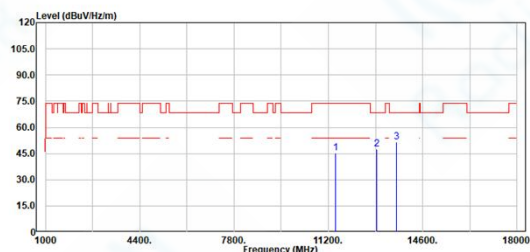
Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 60
Power : 19
Rate : 6M
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1 11600.000	VERTICAL	26.10	45.55	74.00	-28.45	Peak	47.85	15.93	40.42
2 12917.000	VERTICAL	26.04	47.54	68.20	-20.66	Peak	48.41	18.47	40.48
3 13325.000	VERTICAL	26.83	50.14	74.00	-23.86	Peak	48.35	20.57	41.28



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 64
Power : 19
Rate : 6M
Note : IMEI:358028660010991

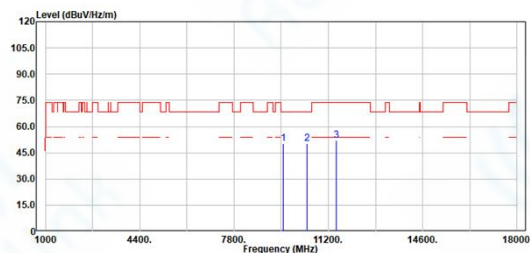
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1 12101.000	HORIZONTAL	25.47	45.60	74.00	-28.40	Peak	47.92	17.14	39.50
2 12701.000	HORIZONTAL	26.50	47.30	68.20	-20.92	Peak	48.20	18.27	40.18
3 13597.000	HORIZONTAL	26.16	51.02	68.20	-16.38	Peak	48.22	21.89	41.50



Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 64
Power : 19
Rate : 6M
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1 11455.000	VERTICAL	25.66	45.26	74.00	-28.74	Peak	47.77	15.56	40.93
2 12934.000	VERTICAL	26.66	47.41	68.20	-20.79	Peak	48.43	18.49	40.36
3 13648.000	VERTICAL	25.43	51.41	68.20	-16.79	Peak	48.20	22.02	41.21

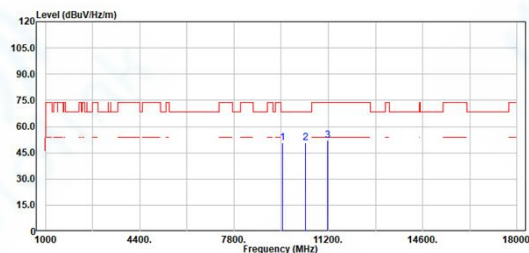
11a_TX_CH_100_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 100
Power : 19
Rate : 6M
Note : IMEI:358028660010991

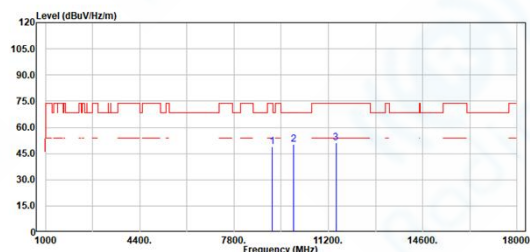
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant Loss Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1	9585.000 HORIZONTAL	33.19	50.26	68.20	-17.94	Peak	46.80	13.32	39.58
2	10435.000 HORIZONTAL	32.78	50.43	68.20	-17.77	Peak	47.89	14.68	40.10
3	11489.000 HORIZONTAL	32.55	52.07	74.00	-21.93	Peak	47.81	15.63	40.83

11a_TX_CH_100_Vertical



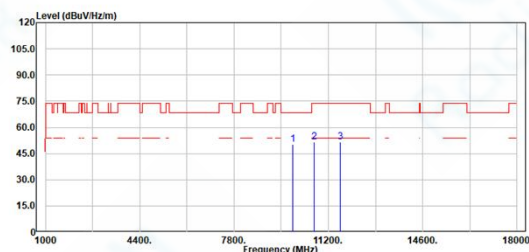
Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 100
Power : 19
Rate : 6M
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant Loss Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1	9534.000 VERTICAL	34.35	50.92	68.20	-17.28	Peak	46.73	13.28	39.30
2	10367.000 VERTICAL	33.22	50.72	68.20	-17.48	Peak	47.81	14.51	39.93
3	11166.000 VERTICAL	32.88	51.87	74.00	-22.13	Peak	47.45	15.00	39.79



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 116
Power : 19
Rate : 6M
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant Loss Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1	9160.000 HORIZONTAL	32.81	48.90	74.00	-25.10	Peak	47.15	12.57	39.00
2	9942.000 HORIZONTAL	33.47	50.34	68.20	-17.86	Peak	47.30	13.55	39.60
3	11472.000 HORIZONTAL	31.40	50.97	74.00	-23.03	Peak	47.79	15.60	40.88

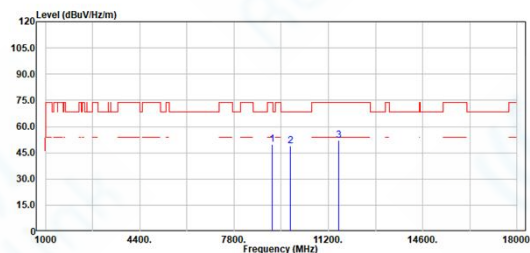


Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 116
Power : 19
Rate : 6M
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant Loss Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1	9925.000 VERTICAL	33.70	50.41	68.20	-17.79	Peak	47.28	13.54	39.60
2	10690.000 VERTICAL	33.44	51.61	74.00	-22.39	Peak	47.70	14.78	39.99
3	11625.000 VERTICAL	32.18	51.47	74.00	-22.53	Peak	47.85	15.98	40.25



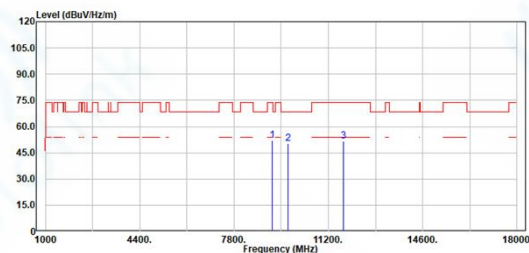
11a_TX_CH_140_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 140
Power : 19
Rate : 6M
Note : IMEI:358028660010991

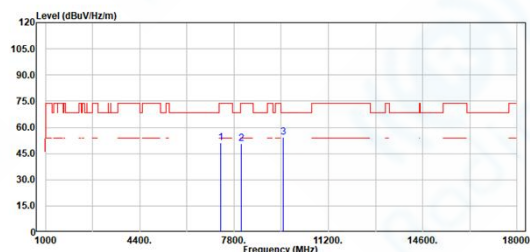
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1 9160.000	HORIZONTAL	33.52	49.61	74.00	-24.39	Peak	47.15	12.57	39.00
2 9842.000	HORIZONTAL	32.18	48.73	68.20	-19.47	Peak	47.16	13.40	39.34
3 11563.000	HORIZONTAL	32.71	52.23	74.00	-21.77	Peak	47.04	15.82	40.61

11a_TX_CH_140_Vertical



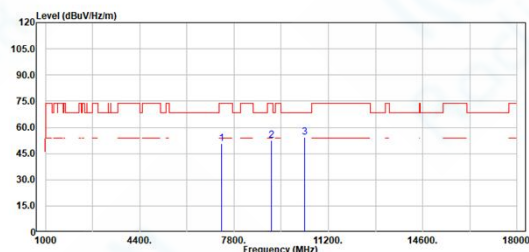
Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 140
Power : 19
Rate : 6M
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1 9160.000	HORIZONTAL	35.85	51.94	74.00	-22.06	Peak	47.15	12.57	39.00
2 9742.000	HORIZONTAL	34.16	50.46	68.20	-17.74	Peak	47.02	13.42	39.71
3 11754.000	HORIZONTAL	32.66	51.45	74.00	-22.55	Peak	47.09	16.32	39.45



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 149
Power : 19
Rate : 6M
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1 7324.000	HORIZONTAL	38.93	51.17	74.00	-22.83	Peak	47.58	11.10	37.02
2 8655.000	HORIZONTAL	37.23	50.85	74.00	-23.15	Peak	47.25	11.96	37.00
3 9585.000	HORIZONTAL	37.31	54.38	68.20	-13.82	Peak	46.00	13.32	39.50

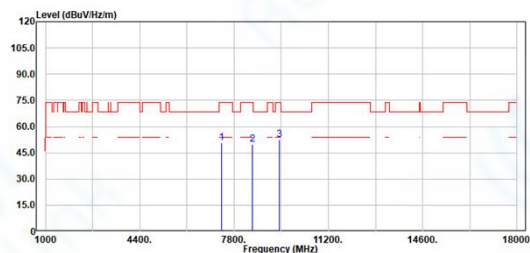


Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 149
Power : 19
Rate : 6M
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1 7341.000	VERTICAL	37.68	50.58	74.00	-23.42	Peak	47.58	11.14	37.47
2 9143.000	VERTICAL	36.73	52.72	74.00	-21.28	Peak	47.17	12.53	38.97
3 10350.000	VERTICAL	36.90	54.16	68.20	-14.04	Peak	47.79	14.47	39.85



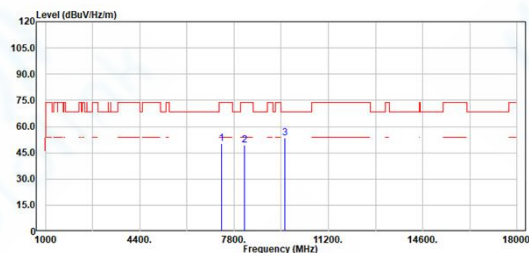
11a_TX_CH_157_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 157
Power : 19
Rate : 6M
Note : IMEI:358028660010991

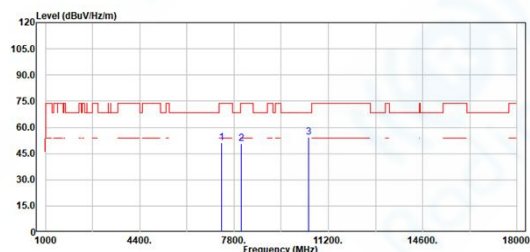
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1 7341.000	VERTICAL	37.91	50.81	74.00	-23.19	Peak	47.58	11.14	37.47
2 8456.000	VERTICAL	36.49	49.68	74.00	-24.32	Peak	47.07	11.95	37.85
3 9456.000	VERTICAL	36.48	52.41	74.00	-21.59	Peak	46.78	13.11	39.24

11a_TX_CH_157_Vertical



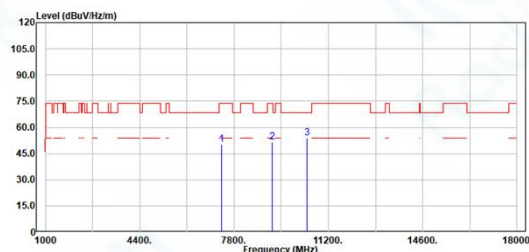
Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 157
Power : 19
Rate : 6M
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1 7341.000	VERTICAL	37.15	50.05	74.00	-23.95	Peak	47.58	11.14	37.47
2 8163.000	VERTICAL	36.49	49.16	74.00	-24.84	Peak	47.28	11.96	37.43
3 9635.000	VERTICAL	36.58	53.28	68.20	-14.92	Peak	46.87	13.35	39.79



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 165
Power : 19
Rate : 6M
Note : IMEI:358028660010991

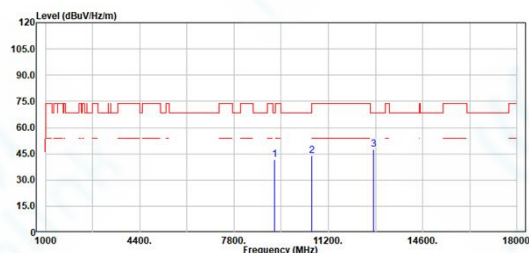
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1 7341.000	HORIZONTAL	38.09	50.99	74.00	-23.01	Peak	47.58	11.14	37.47
2 9855.000	HORIZONTAL	37.08	50.70	74.00	-23.30	Peak	47.25	11.96	37.68
3 10486.000	HORIZONTAL	36.97	54.32	68.20	-13.88	Peak	47.95	14.81	40.10



Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11A_TX_CH 165
Power : 19
Rate : 6M
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1 7341.000	VERTICAL	37.55	50.45	74.00	-23.55	Peak	47.58	11.14	37.47
2 9160.000	VERTICAL	35.68	51.77	74.00	-22.23	Peak	47.15	12.57	39.00
3 10418.000	VERTICAL	36.12	53.97	68.20	-14.23	Peak	47.87	14.64	40.10

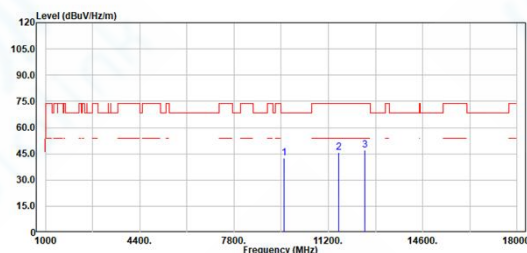
11n(20M)_TX_CH_36_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 36
Power : 19
Rate : MCS0
Note : IMEI:358028660010991

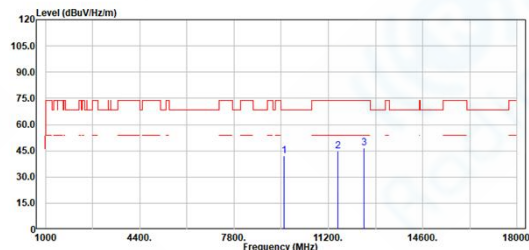
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1 9262.000	HORIZONTAL	26.09	41.67	68.20	-26.53	Peak	47.01	12.77	39.42
2 10605.000	HORIZONTAL	25.35	43.99	74.00	-30.01	Peak	47.02	14.01	39.91
3 12015.000	HORIZONTAL	26.61	47.56	68.20	-20.64	Peak	48.25	10.32	40.17

11n(20M)_TX_CH_36_Vertical



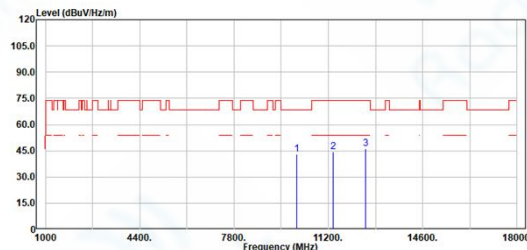
Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 36
Power : 19
Rate : MCS0
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1 9602.000	VERTICAL	25.43	42.65	68.20	-25.55	Peak	46.82	13.33	39.79
2 11574.000	VERTICAL	26.17	45.69	74.00	-28.31	Peak	47.84	15.84	40.58
3 12526.000	VERTICAL	26.28	46.99	74.00	-27.01	Peak	47.82	17.89	39.18



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 40
Power : 19
Rate : MCS0
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1 9602.000	HORIZONTAL	25.05	42.27	68.20	-25.93	Peak	46.82	13.33	39.79
2 11540.000	HORIZONTAL	25.11	44.62	74.00	-29.38	Peak	47.83	15.75	40.68
3 12492.000	HORIZONTAL	25.74	46.60	74.00	-27.40	Peak	47.78	17.84	39.04



Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 40
Power : 19
Rate : MCS0
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1 10044.000	VERTICAL	25.78	42.61	68.20	-25.59	Peak	47.43	13.70	39.51
2 11370.000	VERTICAL	24.89	44.28	74.00	-29.72	Peak	47.68	15.40	40.77
3 12543.000	VERTICAL	25.69	46.28	74.00	-27.72	Peak	47.84	17.91	39.23

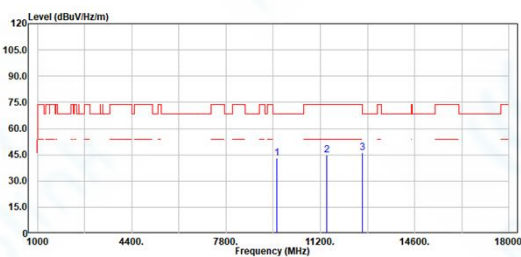


Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

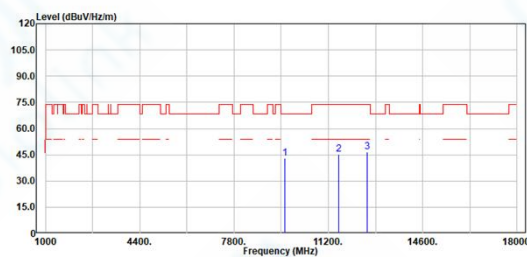
11n(20M)_TX_CH_48_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 48
Power : 19
Rate : MCS0
Note : IMEI:358028660010991

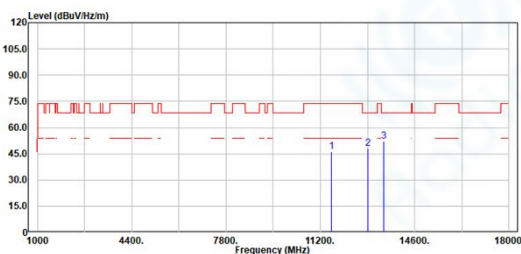
Freq	Pol/Phase	Read Level	Limit Level	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant Factor
MHz		dBuV/H	dBuV/H	dB		dB	dB	dB/m
1 9619.000	HORIZONTAL	25.96	42.91	68.20	-25.29 Peak	46.85	13.34	39.70
2 11421.000	HORIZONTAL	25.33	45.03	74.00	-28.97 Peak	47.73	15.50	41.04
3 12713.000	HORIZONTAL	25.93	46.32	68.20	-21.88 Peak	48.10	18.17	40.45

11n(20M)_TX_CH_48_Vertical



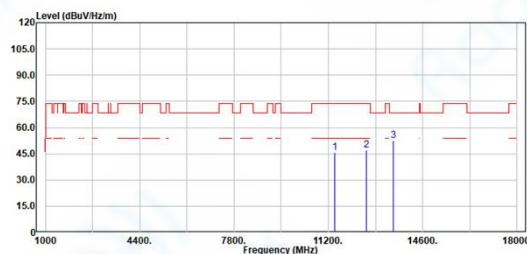
Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 48
Power : 19
Rate : MCS0
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Limit Level	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant Factor
MHz		dBuV/H	dBuV/H	dB		dB	dB	dB/m
1 9619.000	VERTICAL	25.96	42.91	68.20	-25.29 Peak	46.85	13.34	39.70
2 11574.000	VERTICAL	25.78	45.30	74.00	-28.70 Peak	47.84	15.84	40.58
3 12611.000	VERTICAL	26.46	46.67	74.00	-27.33 Peak	47.95	18.01	39.52



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 52
Power : 19
Rate : 6M
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Limit Level	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant Factor
MHz		dBuV/H	dBuV/H	dB		dB	dB	dB/m
1 11591.000	HORIZONTAL	26.46	45.99	74.00	-28.01 Peak	47.85	15.89	40.53
2 12917.000	HORIZONTAL	27.42	48.12	68.20	-20.08 Peak	48.41	18.47	40.48
3 13478.000	HORIZONTAL	26.72	52.08	68.20	-16.12 Peak	48.26	21.50	41.42



Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 52
Power : 19
Rate : 6M
Note : IMEI:358028660010991

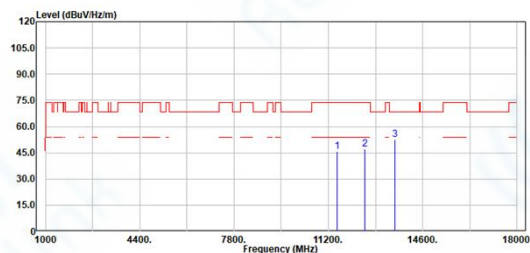
Freq	Pol/Phase	Read Level	Limit Level	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant Factor
MHz		dBuV/H	dBuV/H	dB		dB	dB	dB/m
1 11438.000	VERTICAL	25.95	45.60	74.00	-28.40 Peak	47.75	15.53	40.99
2 12577.000	VERTICAL	26.87	47.22	74.00	-26.78 Peak	47.90	17.96	39.33
3 13529.000	VERTICAL	26.58	52.31	68.20	-15.89 Peak	48.24	21.71	41.43

Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

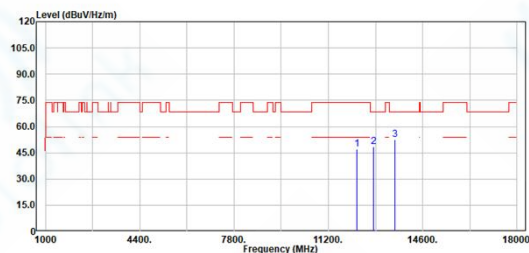
11n(20M)_TX_CH_60_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 60
Power : 19
Rate : 6M
Note : IMEI:358028660010991

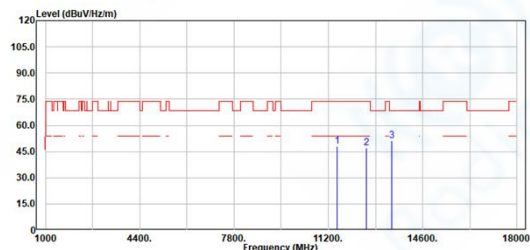
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1 11523.000	HORIZONTAL	26.10	45.60	74.00	-28.40	Peak	47.83	15.71	40.73
2 12509.000	HORIZONTAL	26.27	47.09	74.00	-26.91	Peak	47.79	17.06	39.13
3 13597.000	HORIZONTAL	27.00	52.66	68.20	-15.54	Peak	48.22	21.89	41.50

11n(20M)_TX_CH_60_Vertical



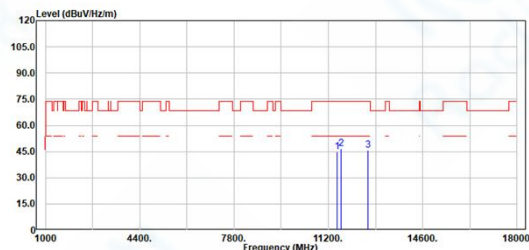
Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 60
Power : 19
Rate : 6M
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1 12237.000	VERTICAL	26.56	47.00	74.00	-27.00	Peak	47.87	17.38	39.36
2 12832.000	VERTICAL	27.62	48.50	68.20	-19.70	Peak	48.28	18.34	40.26
3 13597.000	VERTICAL	27.00	52.66	68.20	-15.54	Peak	48.22	21.89	41.50



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 64
Power : 19
Rate : 6M
Note : IMEI:358028660010991

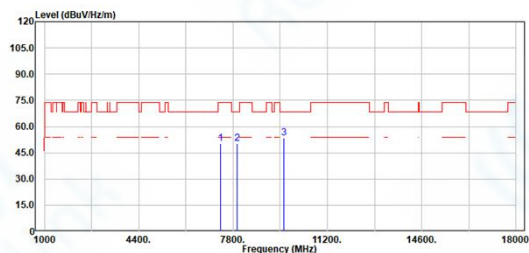
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1 11526.000	Horizontal	28.57	48.08	74.00	-25.92	Peak	47.83	15.72	40.73
2 12583.000	Horizontal	26.95	47.27	74.00	-26.73	Peak	47.90	17.97	39.35
3 13486.000	Horizontal	25.50	50.99	68.20	-17.21	Peak	48.26	21.54	41.41



Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 64
Power : 19
Rate : 6M
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1 11523.000	Vertical	25.40	44.90	74.00	-29.10	Peak	47.83	15.71	40.73
2 11653.000	Vertical	27.04	46.85	74.00	-27.15	Peak	47.86	16.05	39.97
3 12638.000	Vertical	25.69	45.92	74.00	-28.08	Peak	47.99	18.05	39.82

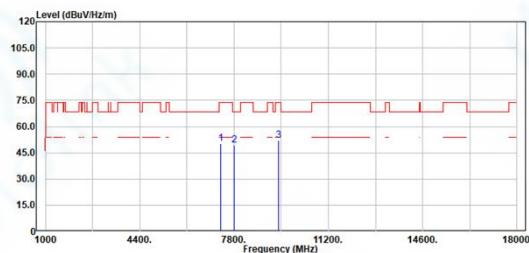
11n(20M)_TX_CH_100_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 100
Power : 19
Rate : MCS0
Note : IMEI:358028660010991

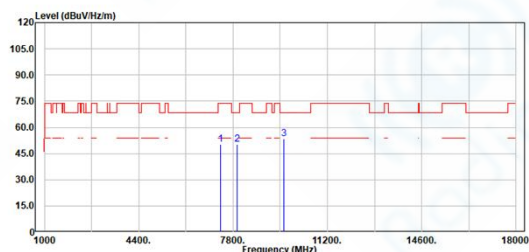
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1	7341.000 HORIZONTAL	37.27	50.17	74.00	-23.83	Peak	47.58	11.14	37.47
2	7953.000 HORIZONTAL	36.25	50.04	68.20	-18.16	Peak	47.31	11.92	37.49
3	9636.000 HORIZONTAL	36.64	53.32	68.20	-14.88	Peak	46.87	13.35	39.79

11n(20M)_TX_CH_100_Vertical



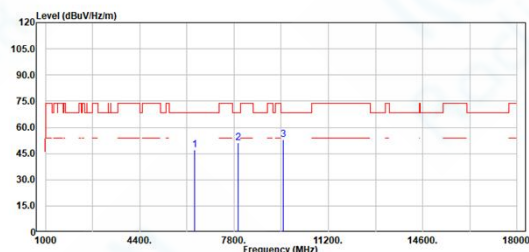
Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 100
Power : 19
Rate : MCS0
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1	7324.000 VERTICAL	38.12	50.36	74.00	-23.64	Peak	47.58	11.10	37.02
2	7080.000 VERTICAL	36.67	48.56	68.20	-18.64	Peak	47.43	11.80	36.79
3	9398.000 VERTICAL	36.06	52.00	74.00	-22.00	Peak	46.82	13.05	39.42



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 116
Power : 19
Rate : MCS0
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1	7341.000 HORIZONTAL	37.27	50.17	74.00	-23.83	Peak	47.58	11.14	37.47
2	7953.000 HORIZONTAL	36.25	50.04	68.20	-18.16	Peak	47.31	11.92	37.49
3	9636.000 HORIZONTAL	36.64	53.32	68.20	-14.88	Peak	46.87	13.35	39.79

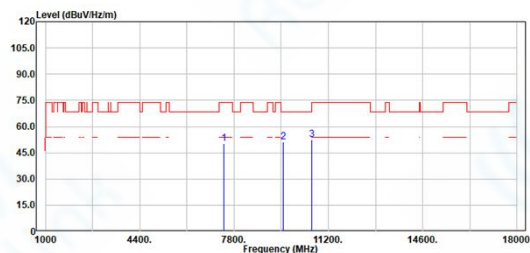


Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 116
Power : 19
Rate : MCS0
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1	6372.000 VERTICAL	39.57	46.91	68.20	-21.29	Peak	47.27	8.98	34.73
2	7953.000 VERTICAL	37.61	51.40	68.20	-16.80	Peak	47.51	11.92	37.49
3	9505.000 VERTICAL	36.00	53.07	68.20	-15.13	Peak	46.80	13.32	39.58



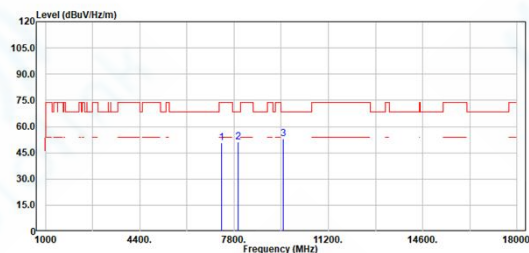
11n(20M)_TX_CH_140_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 140
Power : 19
Rate : MCS0
Note : IMEI:358028660010991

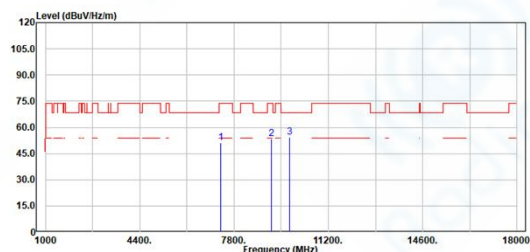
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1 7443.000	HORIZONTAL	37.84	50.48	74.00	-23.52	Peak	47.63	11.41	37.27
2 9589.000	HORIZONTAL	34.80	51.87	68.20	-17.13	Peak	46.80	13.32	39.58
3 18695.000	HORIZONTAL	34.10	52.74	74.00	-21.26	Peak	47.82	14.81	39.91

11n(20M)_TX_CH_140_Vertical



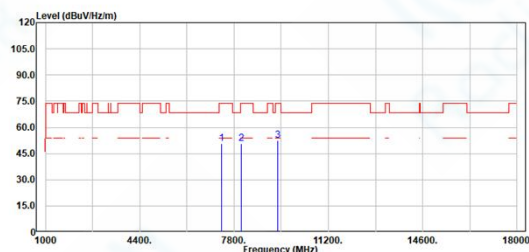
Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 140
Power : 19
Rate : MCS0
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1 7341.000	VERTICAL	37.83	50.73	74.00	-23.27	Peak	47.58	11.14	37.47
2 7953.000	VERTICAL	37.61	51.40	68.20	-16.80	Peak	47.31	11.92	37.49
3 9595.000	VERTICAL	36.80	52.87	68.20	-15.13	Peak	46.80	13.32	39.58



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 149
Power : 19
Rate : MCS0
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1 7324.000	HORIZONTAL	38.81	51.05	74.00	-22.95	Peak	47.58	11.10	37.02
2 9143.000	HORIZONTAL	37.61	53.60	74.00	-20.40	Peak	47.17	12.53	38.97
3 9806.000	HORIZONTAL	36.97	54.35	68.20	-13.85	Peak	47.11	13.46	39.99



Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 149
Power : 19
Rate : MCS0
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1 7341.000	VERTICAL	37.82	50.72	74.00	-23.28	Peak	47.58	11.14	37.47
2 8055.000	VERTICAL	36.88	50.50	74.00	-23.50	Peak	47.25	11.96	37.88
3 9381.000	VERTICAL	36.46	52.44	74.00	-21.56	Peak	46.84	13.02	39.63

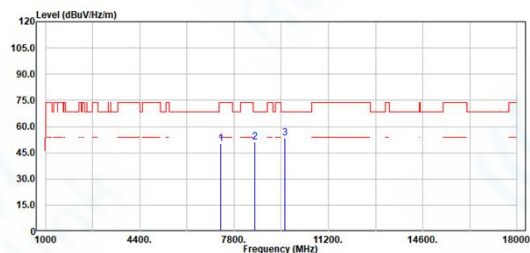
Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694



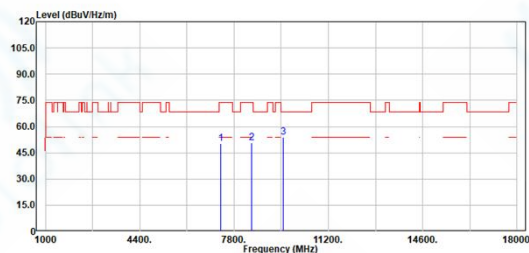
11n(20M)_TX_CH_157_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 157
Power : 19
Rate : MCS0
Note : IMEI:358028660010991

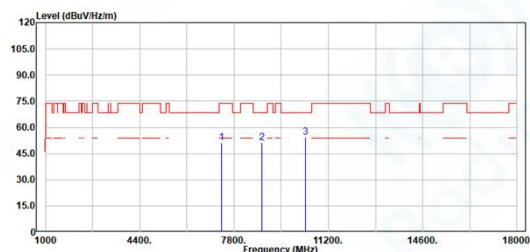
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1	7324.000 HORIZONTAL	38.14	50.38	74.00	-23.62	Peak	47.58	11.10	37.02
2	8546.000 HORIZONTAL	37.16	51.11	68.20	-17.09	Peak	47.00	11.98	38.38
3	9618.000 HORIZONTAL	36.54	53.50	68.20	-14.70	Peak	46.05	13.34	39.79

11n(20M)_TX_CH_157_Vertical



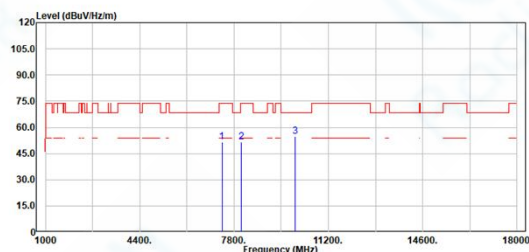
Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 157
Power : 19
Rate : MCS0
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1	7324.000 HORIZONTAL	38.06	50.30	74.00	-23.70	Peak	47.58	11.10	37.02
2	8436.000 HORIZONTAL	37.49	50.65	74.00	-23.35	Peak	47.00	11.95	37.69
3	9582.000 HORIZONTAL	36.95	51.98	68.20	-14.22	Peak	46.79	13.31	39.56



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 165
Power : 19
Rate : MCS0
Note : IMEI:358028660010991

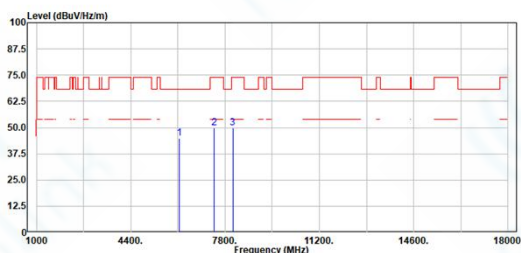
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1	7341.000 HORIZONTAL	38.05	50.95	74.00	-23.05	Peak	47.58	11.14	37.47
2	8803.000 HORIZONTAL	36.83	51.26	68.20	-16.94	Peak	47.24	12.13	38.52
3	10367.000 HORIZONTAL	36.93	54.43	68.20	-13.77	Peak	47.81	14.51	39.93



Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11n20_TX_CH 165
Power : 19
Rate : MCS0
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss Factor	Ant
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1	7358.000 VERTICAL	38.29	51.45	74.00	-22.55	Peak	47.59	11.19	37.51
2	8055.000 VERTICAL	38.07	51.69	74.00	-22.31	Peak	47.25	11.96	37.88
3	9993.000 VERTICAL	37.61	54.61	68.20	-13.59	Peak	47.37	13.59	39.26

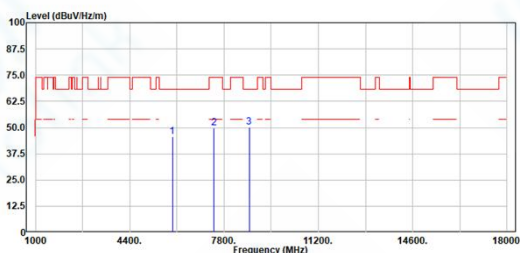
11n(40M)_TX_CH_38_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11n40_TX_CH 38
Power : 18.5
Rate : MCS0
Note : IMEI:358028660010991

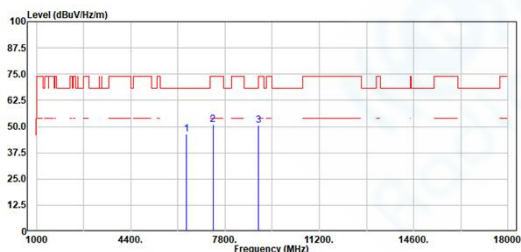
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1	6134.000 HORIZONTAL	38.35	45.06	68.20	-23.14	Peak	47.21	9.67	33.77
2	7392.000 HORIZONTAL	36.73	49.77	74.00	-24.23	Peak	47.47	11.43	36.69
3	8072.000 HORIZONTAL	36.64	49.81	74.00	-24.19	Peak	47.44	11.90	37.81

11n(40M)_TX_CH_38_Vertical



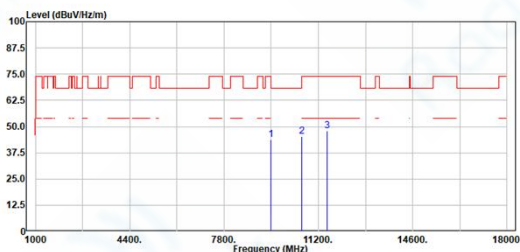
Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11n40_TX_CH 38
Power : 18.5
Rate : MCS0
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1	5930.000 VERTICAL	39.21	45.56	68.20	-22.64	Peak	47.12	9.56	33.26
2	7426.000 VERTICAL	36.92	49.90	74.00	-24.10	Peak	47.42	11.49	36.97
3	8701.000 VERTICAL	35.50	50.37	68.20	-17.83	Peak	47.29	12.21	38.49



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11n40_TX_CH 46
Power : 18.5
Rate : MCS0
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1	6486.000 HORIZONTAL	37.99	46.27	68.20	-21.93	Peak	47.19	9.33	34.86
2	7358.000 HORIZONTAL	37.43	50.85	74.00	-23.15	Peak	47.51	11.37	37.51
3	8990.000 HORIZONTAL	35.83	50.67	68.20	-17.53	Peak	47.11	12.79	38.74

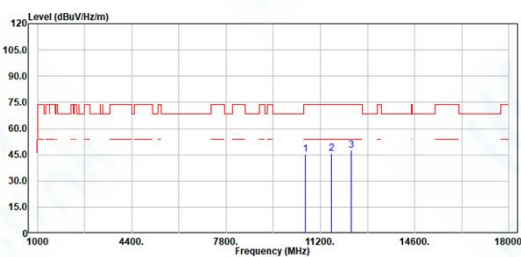


Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11n40_TX_CH 46
Power : 18.5
Rate : MCS0
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1	9500.000 VERTICAL	26.89	43.93	68.20	-24.27	Peak	47.48	14.97	39.50
2	10695.000 VERTICAL	26.26	45.26	74.00	-28.74	Peak	47.67	15.82	39.91
3	11506.000 VERTICAL	28.38	47.86	74.00	-26.14	Peak	48.48	16.30	40.78



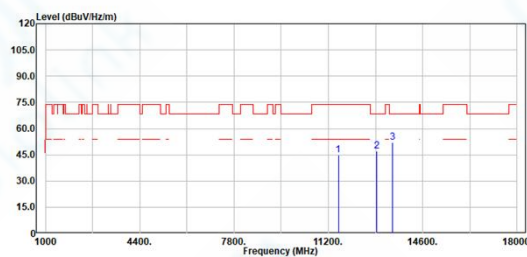
11n(40M)_TX_CH_54_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11n40_TX_CH 54
Power : 18.5
Rate : MCS0
Note : IMEI:358028660010991

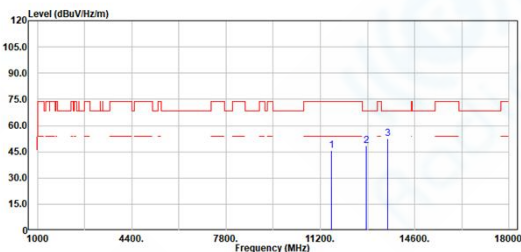
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1 10656.000	HORIZONTAL	26.83	45.18	74.00	-28.82	Peak	47.75	14.79	39.96
2 11591.000	HORIZONTAL	26.32	45.85	74.00	-28.15	Peak	47.85	15.89	40.53
3 12322.000	HORIZONTAL	27.14	47.67	74.00	-26.33	Peak	47.84	17.53	39.49

11n(40M)_TX_CH_54_Vertical



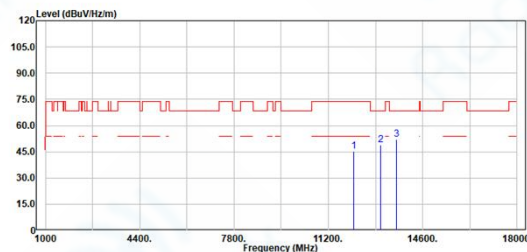
Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11n40_TX_CH 54
Power : 18.5
Rate : MCS0
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1 11557.000	VERTICAL	25.31	44.83	74.00	-29.17	Peak	47.84	15.80	40.63
2 12951.000	VERTICAL	26.50	47.31	68.20	-20.89	Peak	48.46	18.52	40.24
3 13512.000	VERTICAL	26.51	52.24	68.20	-15.96	Peak	48.25	21.66	41.41



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11n40_TX_CH 62
Power : 18.5
Rate : MCS0
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1 11608.000	HORIZONTAL	26.25	45.70	74.00	-28.30	Peak	47.85	15.93	40.42
2 12849.000	HORIZONTAL	27.77	48.60	68.20	-19.60	Peak	48.30	18.37	40.34
3 13631.000	HORIZONTAL	26.80	52.66	68.20	-15.54	Peak	48.21	21.98	41.31



Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11n40_TX_CH 62
Power : 18.5
Rate : MCS0
Note : IMEI:358028660010991

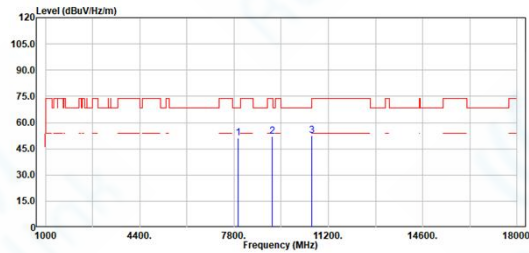
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB	dB/m
1 12101.000	VERTICAL	25.09	45.22	74.00	-28.78	Peak	47.92	17.14	39.50
2 13087.000	VERTICAL	27.18	48.79	68.20	-19.41	Peak	48.48	19.12	40.34
3 13648.000	VERTICAL	26.20	52.18	68.20	-16.02	Peak	48.20	22.02	41.21

Radiolink Testing (Shenzhen) Co., Ltd.

Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

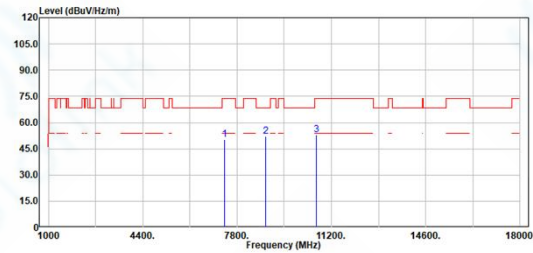
11n(40M)_TX_CH_102_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11n40_TX_CH 102
Power : 18.5
Rate : MCS0
Note : IMEI:358028660010991

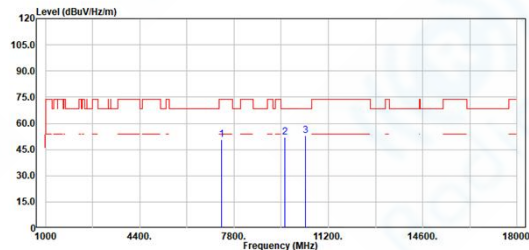
Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1 7953.000	HORIZONTAL	37.61	51.40	68.20	-16.80	Peak	47.31	11.92	37.49
2 9160.000	HORIZONTAL	35.95	52.04	74.00	-21.96	Peak	47.15	12.57	39.00
3 10605.000	HORIZONTAL	34.10	52.74	74.00	-21.26	Peak	47.02	14.81	39.91

11n(40M)_TX_CH_102_Vertical



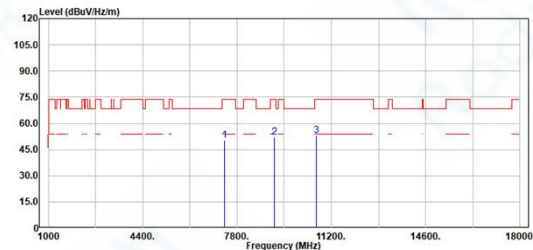
Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11n40_TX_CH 102
Power : 18.5
Rate : MCS0
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1 7341.000	VERTICAL	37.35	50.25	74.00	-23.75	Peak	47.58	11.14	37.47
2 8837.000	VERTICAL	37.37	51.90	68.20	-16.22	Peak	47.27	12.15	38.72
3 10656.000	VERTICAL	34.54	52.89	74.00	-21.11	Peak	47.75	14.79	39.96



Site : chamber
Condition: 3m HORIZONTAL
EUT : VTL-202502
Mode : WIFI 5G_11n40_TX_CH 110
Power : 18.5
Rate : MCS0
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1 7341.000	HORIZONTAL	37.99	50.89	74.00	-23.11	Peak	47.58	11.14	37.47
2 9636.000	HORIZONTAL	35.47	52.15	68.20	-16.05	Peak	46.87	13.35	39.70
3 10367.000	HORIZONTAL	35.26	52.76	68.20	-15.44	Peak	47.81	14.51	39.93



Site : chamber
Condition: 3m VERTICAL
EUT : VTL-202502
Mode : WIFI 5G_11n40_TX_CH 110
Power : 18.5
Rate : MCS0
Note : IMEI:358028660010991

Freq	Pol/Phase	Read Level	Level	Limit Line	Over Limit	Remark	Preamp Factor	Cable Loss	Ant Factor
MHz		dBuV/H	dBuV/H	dBuV/H	dB		dB	dB/m	
1 7341.000	VERTICAL	37.35	50.25	74.00	-23.75	Peak	47.58	11.14	37.47
2 9143.000	VERTICAL	36.19	52.18	74.00	-21.82	Peak	47.17	12.53	38.97
3 10656.000	VERTICAL	34.54	52.89	74.00	-21.11	Peak	47.75	14.79	39.96