

TEST REPORT

Application No.: FYCR2607000367TL
Applicant: TELTONIKA NETWORKS, UAB
Address of Applicant: K. Barsausko st. 66, Kaunas LT-51436 Lithuania
Manufacturer: TELTONIKA NETWORKS, UAB
Address of Manufacturer: K. Baršausko st. 66, LT-51436, Kaunas, Lithuania
Factory: TELTONIKA EMS, UAB
Address of Factory: Paluokesos st. 11, LT-33133, Molėtai, Lithuania
Equipment Under Test (EUT):
EUT Name: LTE Cat 4 Router
Model No.: RUT281
Trade Mark: TELTONIKA
FCC ID: 2AET4RUT281
Standard(s) : 47 CFR Part 15, Subpart C 15.247
Date of Receipt: 2026-07-31
Date of Test: 2026-08-07 to 2026-08-22
Date of Issue: 2026-09-04

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.



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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2026-09-04		Original

Authorized for issue by:				
		Byron Liang		
		Byron Liang/Project Engineer		
		Tree Zhan		
		Tree Zhan/Reviewer		



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2 Test Summary

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.247	ANSI C63.10-2020+Cor.1-2023 Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass
Radiated Emissions which fall in the restricted bands		ANSI C63.10-2020+Cor.1-2023 Section 6.10.5 & 11.12	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Spurious Emissions Below 1GHz		ANSI C63.10-2020+Cor.1-2023 Section 6.4,6.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Spurious Emissions Above 1GHz		ANSI C63.10-2020+Cor.1-2023 Section 6.6 & 11.12	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass

Remark:

Model No.: RUT281

This test report (Ref. No.: FYCR260700036701) is only valid with the original test report (Ref. No.: SZCR250900401802).

According to the applicant's declaration, the models covered in this report are identical to those in the original report, with an additional derivative version. The only difference is the replacement of a new cellular module. Details are shown below:

Original	New
Model: LE910C4-WWXD FCC ID: RI7LE910CXWWX	Model: LE910C4-NFXD FCC ID: RI7LE910CXNF

Considering to the difference, pre-scan were performed on the sample in this report to find the items which can be influential to the result in the original test report for fully retest.

Therefore in this report item 2 were fully retested on model and shown the data in this report, other tests please refer to original report SZCR250900401802.



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4 General Information

4.1 Details of E.U.T.

Power Supply:	Adapter Model No.: ASSA107A-090100 Input: AC 100-240V, 50/60Hz, 0.45A Output: DC 9.0V, 1.0A, 9.0W
Cable(s):	DC cable from Adapter 200cm unshielded; LAN cable 150cm unshielded; 1 pcs WiFi antenna 19.5cm 2 pcs Mobile antenna 19.5cm
Operation Frequency:	802.11b/g/n(HT20): 2412MHz to 2462MHz; 802.11n(HT40): 2422MHz to 2452MHz
Modulation Type:	802.11b: DSSS (DBPSK, DQPSK, CCK); 802.11g/n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
Number of Channels:	802.11b/g/n(HT20):11; 802.11n(HT40):7
Channel Spacing:	5MHz
Antenna Type:	RP-SMA Dipole Antenna
Antenna Gain:	5dBi

Remark:The information in this section is provided by the applicant or manufacturer, CCS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
--	--	--	--
The EUT has been tested as an independent unit.			



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4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	$\pm 3.2\text{dB}$
Radiated Emissions which fall in the restricted bands	$\pm 4.7\text{dB}$
Radiated Spurious Emissions Below 1GHz	$\pm 5.7\text{dB}$
Radiated Spurious Emissions Above 1GHz	$\pm 4.7\text{dB}$ (1-18GHz); $\pm 4.7\text{dB}$ (18-40GHz)

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



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4.4 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc. Shenzhen branch.

Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China

Tel: +86 755 8866 3988 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• **A2LA (Certificate No. 6606.01)**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6606.01.

• **FCC –Designation Number: CN1322**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized as an accredited testing laboratory.

Designation Number: CN1322. Test Firm Registration Number: 718073

• **Innovation, Science and Economic Development Canada**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0129.

IC#: 28189.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	CRT	N/A	SEM001-14	2025/10/13	2028/10/12
EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-01	2026/2/5	2027/2/4
Two-Line V-Network	Rohde & Schwarz	ENV216	SEM007-24	2026/2/5	2027/2/4
Two-Line V-Network	Rohde & Schwarz	ESH3-Z5	SEM007-22	2026/2/5	2027/2/4
Coaxial Cable	CCS	N/A	SEM033-02	2026/5/12	2027/5/11
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A

Radiated Emissions which fall in the restricted bands					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Anechoic Chamber	CRT	N/A	SEM001-13	2025/10/13	2028/10/12
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-54	2025/5/24	2027/5/23
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-23	2026/2/5	2027/2/4
Coaxial Cable	CCS	N/A	SEM035-02	2026/5/12	2027/5/11
Pre-amplifier	TST PASS	LNA04080G30	SEM005-27	2026/2/5	2027/2/4
Pre-amplifier	TST PASS	LNA10180G45	SEM005-28	2026/2/5	2027/2/4
Signal Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2026/3/4	2027/3/3
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A

Radiated Spurious Emissions Below 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Anechoic Chamber	CRT	N/A	SEM001-13	2025/10/13	2028/10/12
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-26	2025/8/29	2027/8/28
Loop Antenna	ETS-LINDGREN	6502	SEM003-43	2025/6/16	2027/6/15
MXE EMI receiver	Agilent	N9038A	SEM004-05	2026/7/03	2027/7/02
Pre-amplifier	HP	8447D	SEM005-02	2026/7/07	2027/7/06
Coaxial Cable	CCS	N/A	SEM035-01	2026/5/12	2027/5/11
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A



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Radiated Spurious Emissions Above 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Anechoic Chamber	CRT	N/A	SEM001-13	2025/10/13	2028/10/12
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2025/7/29	2027/7/28
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-54	2025/5/24	2027/5/23
Pre-amplifier	TST PASS	LNA180400G40	SEM005-39	2026/4/29	2027/4/28
Pre-amplifier	TST PASS	LNA10180G60	SEM005-32	2026/4/4	2027/4/3
Coaxial Cable	CCS	N/A	SEM035-02	2026/5/12	2027/5/11
Coaxial Cable	CCS	N/A	SEM035-03	2026/5/12	2027/5/11
Pre-amplifier	TST PASS	LNA04080G30	SEM005-27	2026/2/5	2027/2/4
Pre-amplifier	TST PASS	LNA10180G45	SEM005-28	2026/2/5	2027/2/4
Signal Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2026/3/4	2027/3/3
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A

General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-52	2026/7/8	2027/7/7
Humidity/ Temperature Indicator	deli	8838	SEM002-53	2026/7/8	2027/7/7
Barometer	DUMAI	DYM3	SEM002-24	2026/7/10	2027/7/9



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6 Radio Spectrum Matter Test Results

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

Test Requirement 47 CFR Part 15, Subpart C 15.207
 Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.2
 Test Engineer: Fly Yan

Limit:

Frequency of emission(MHz)	Conducted limit(dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz

6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.3 °C Humidity: 48.5 % RH Atmospheric Pressure: 1000 mbar

6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.



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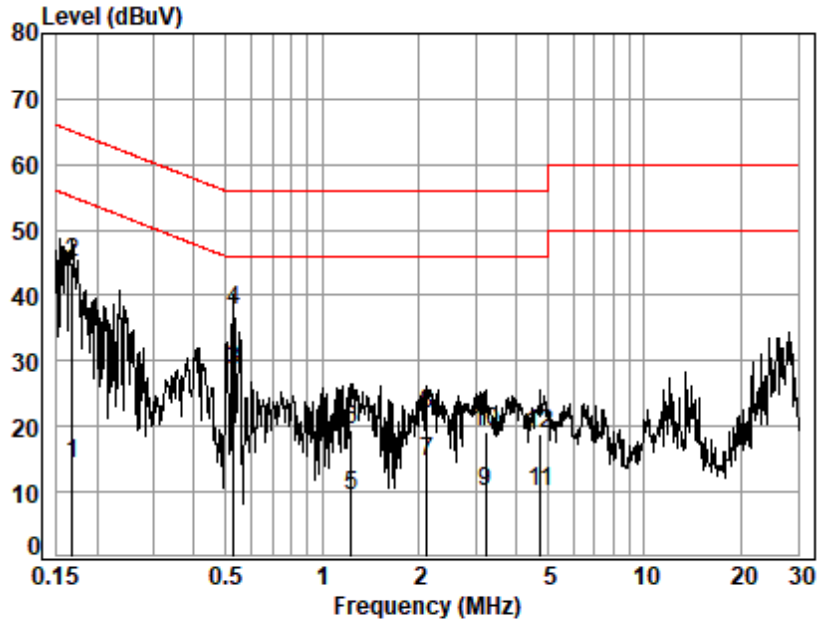
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Test Mode: 01; Line: Live line



Site : Shielding Room
Condition: Line
Job No. : 00367TL/00368TL
Test mode: 01

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1677	0.02	9.78	4.35	14.15	55.08	-40.93	Average
2	0.1677	0.02	9.78	35.18	44.98	65.08	-20.10	QP
3	0.5293	0.06	9.82	18.62	28.50	46.00	-17.50	Average
4	0.5293	0.06	9.82	27.82	37.70	56.00	-18.30	QP
5	1.2291	0.04	9.86	-0.46	9.44	46.00	-36.56	Average
6	1.2291	0.04	9.86	9.66	19.56	56.00	-36.44	QP
7	2.1213	0.04	9.83	4.69	14.56	46.00	-31.44	Average
8	2.1213	0.04	9.83	11.95	21.82	56.00	-34.18	QP
9	3.2069	0.04	9.79	0.20	10.03	46.00	-35.97	Average
10	3.2069	0.04	9.79	9.41	19.24	56.00	-36.76	QP
11	4.7464	0.05	9.84	0.04	9.93	46.00	-36.07	Average
12	4.7464	0.05	9.84	8.91	18.80	56.00	-37.20	QP



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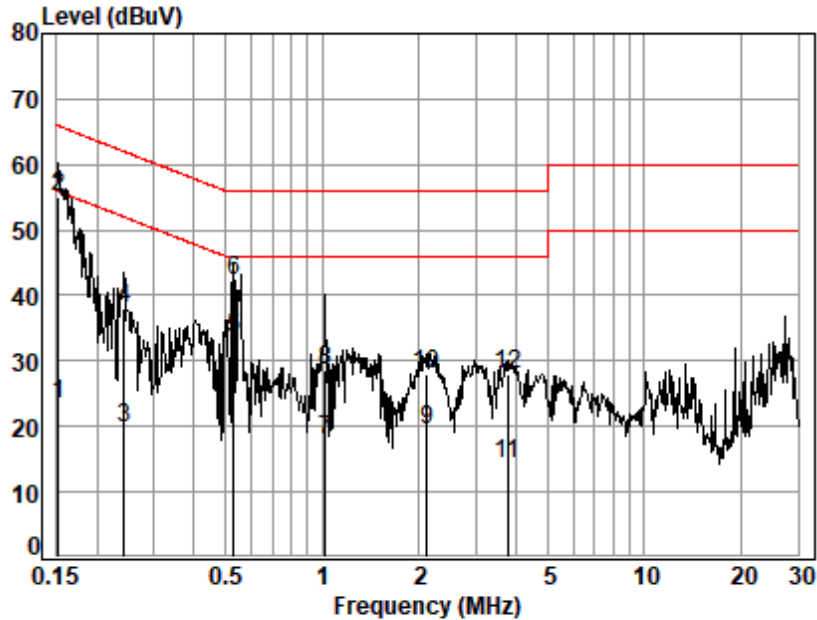
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Test Mode: 01; Line: Neutral Line



Site : Shielding Room
Condition: Neutral
Job No. : 00367TL/00368TL
Test mode: 01

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1516	0.02	9.65	13.69	23.36	55.91	-32.55	Average
2	0.1516	0.02	9.65	45.43	55.10	65.91	-10.81	QP
3	0.2429	0.03	9.60	10.08	19.71	52.00	-32.29	Average
4	0.2429	0.03	9.60	28.47	38.10	62.00	-23.90	QP
5	0.5293	0.06	9.73	23.52	33.31	46.00	-12.69	Average
6	0.5293	0.06	9.73	32.38	42.17	56.00	-13.83	QP
7	1.0211	0.04	9.66	8.10	17.80	46.00	-28.20	Average
8	1.0211	0.04	9.66	18.77	28.47	56.00	-27.53	QP
9	2.1213	0.04	9.81	9.66	19.51	46.00	-26.49	Average
10	2.1213	0.04	9.81	18.12	27.97	56.00	-28.03	QP
11	3.7594	0.05	9.76	4.34	14.15	46.00	-31.85	Average
12	3.7594	0.05	9.76	18.25	28.06	56.00	-27.94	QP



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6.2 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209
 Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.10.5 & 11.12
 Measurement Distance: 3m
 Test Engineer: Rex Liu

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

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.

6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 20.3 °C Humidity: 51.4 % RH Atmospheric Pressure: 1000 mbar



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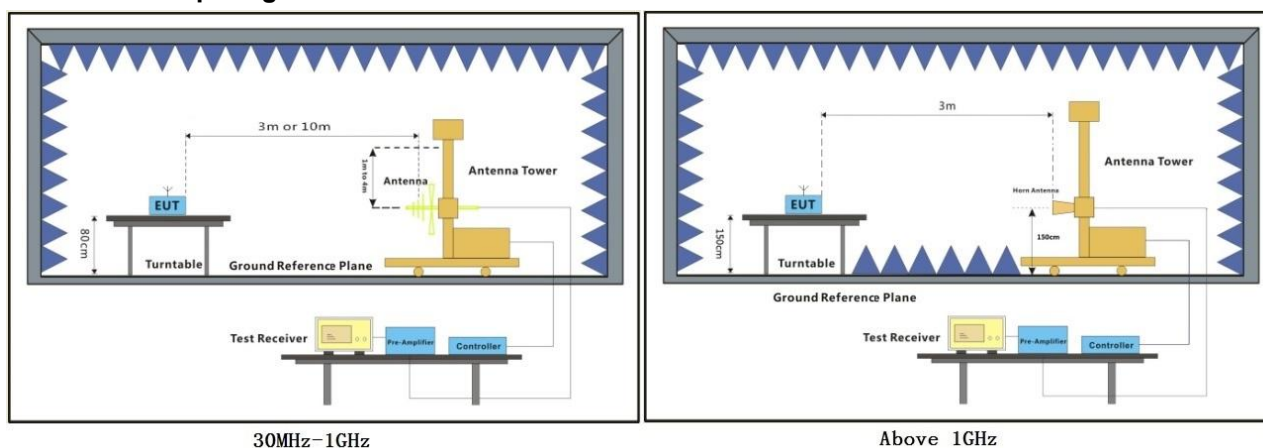
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6.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	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 @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

6.2.3 Test Setup Diagram



30MHz-1GHz

Above 1GHz

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6.2.4 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 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. 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.
- c. 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.
- d. 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.
- e. 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.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. 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, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. 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.
- j. Repeat above procedures until all frequencies measured was complete.

Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: 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.

Remark 3: 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.

Remark 4: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.



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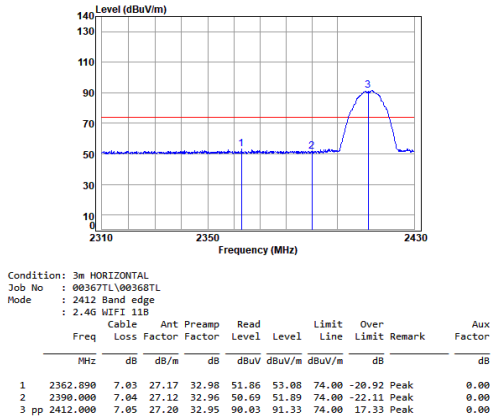
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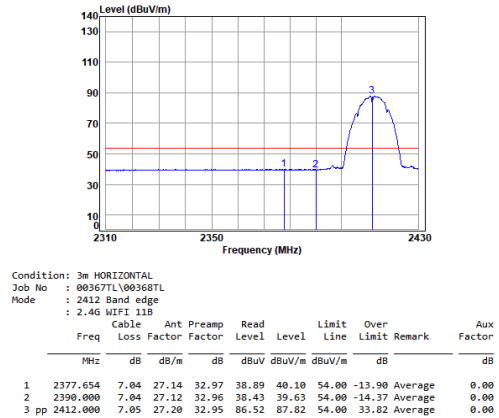
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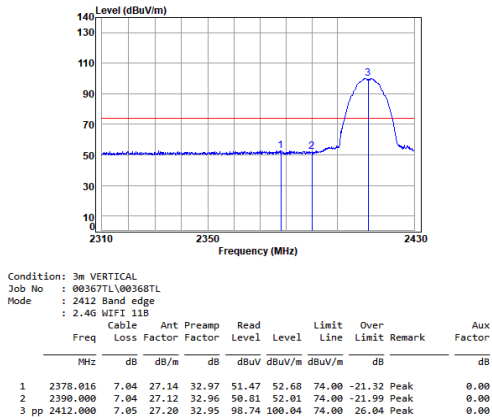
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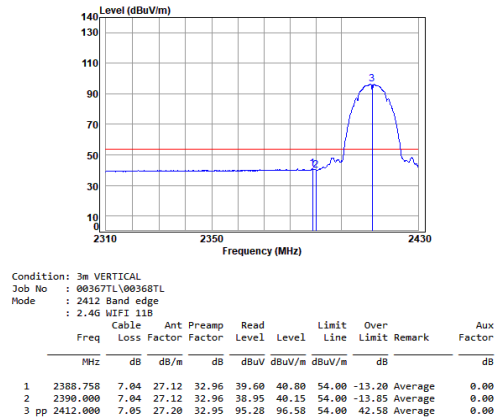
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11b_TX_CH_01_Vertical-Peak



11b_TX_CH_01_Vertical-Avg



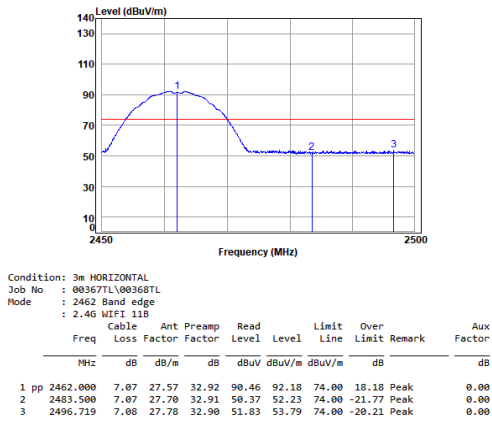
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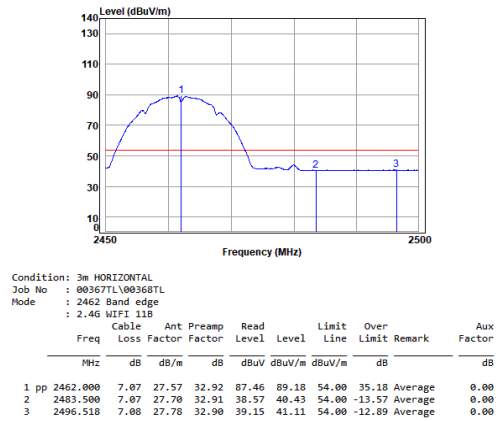
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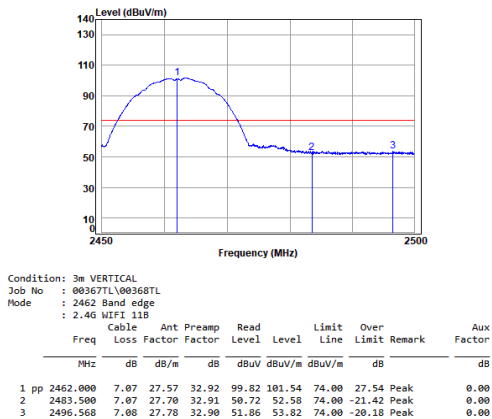
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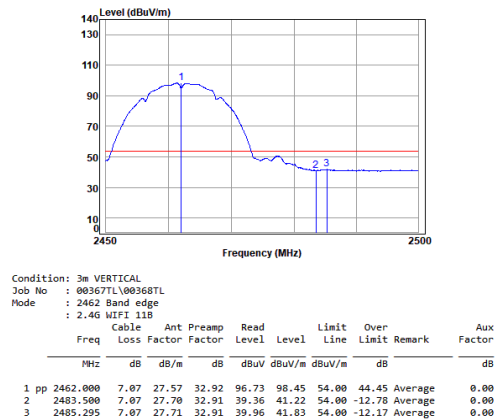
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11b_TX_CH_11_Vertical-Peak



11b_TX_CH_11_Vertical-Avg



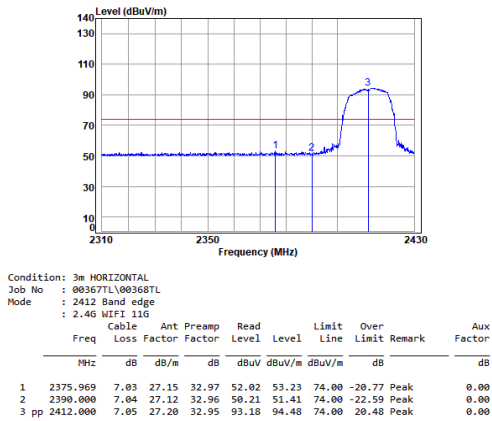
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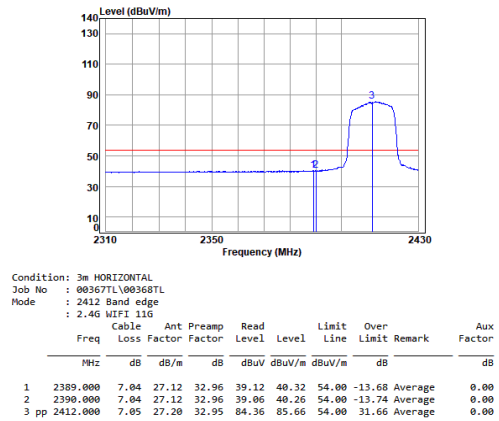
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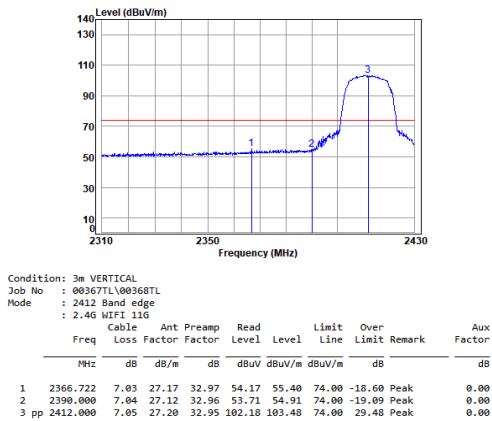
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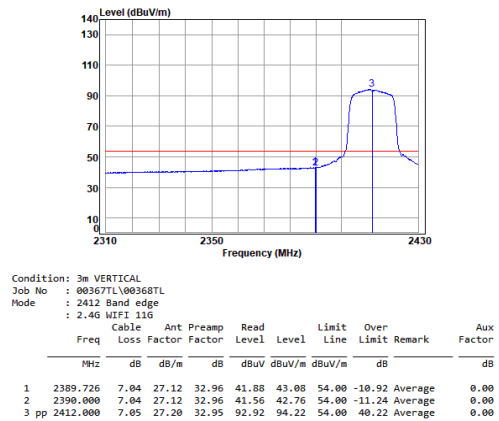
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11g_TX_CH_01_Vertical-Peak



11g_TX_CH_01_Vertical-Avg



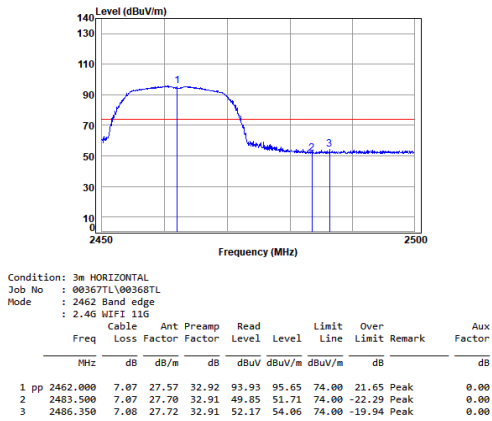
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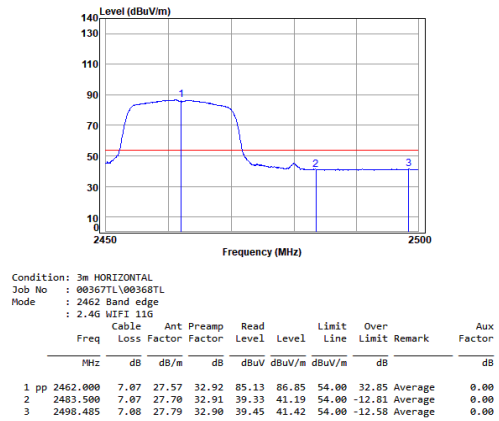
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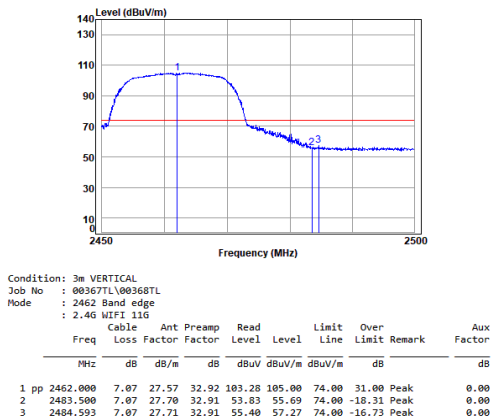
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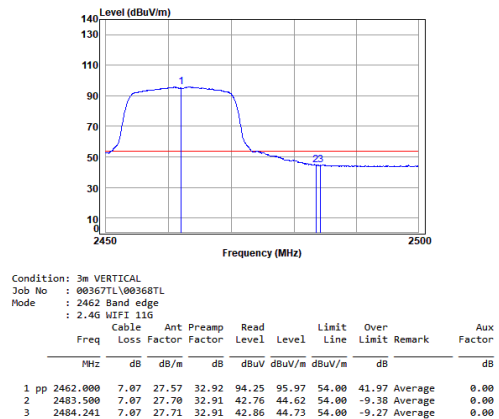
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11g_TX_CH_11_Vertical-Peak



11g_TX_CH_11_Vertical-Avg



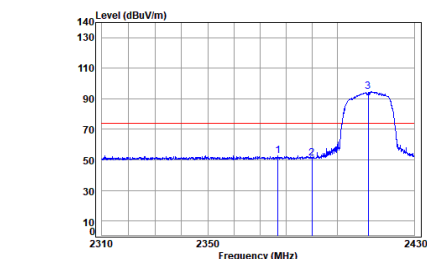
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11n_HT(20M)_TX_CH_01_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00367TL00368TL
Mode : 2412 Band edge
: 2.4G WIFI 11N20

2.4G WFT 11N20

Cable

Loss

Ant

Preamp

Read

Level

Limit

Over

Remark

Aux

Freq

dB

dB/m

dB

dBuV

dBuV/m

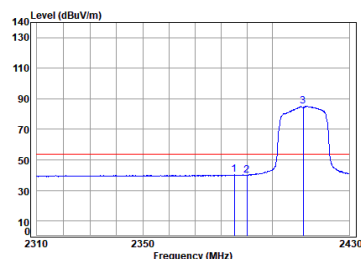
dBuV/m

dB

dB

1	2376.932	7.03	27.15	32.97	51.75	52.96	74.00	-21.04	Peak	0.00
2	2390.000	7.04	27.12	32.96	49.94	51.14	74.00	-22.86	Peak	0.00
3	2412.000	7.05	27.20	32.95	93.37	94.67	74.00	20.67	Peak	0.00

11n_HT(20M)_TX_CH_01_Horizontal-Avg

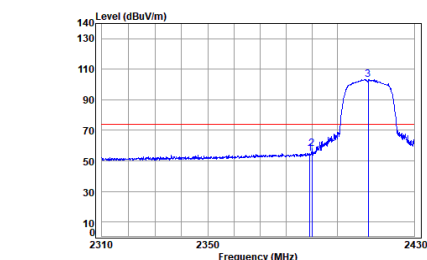


Condition: 3m HORIZONTAL
Job No : 00367TL00368TL
Mode : 2412 Band edge
: 2.4G WIFI 11N20

2.46 WiFi 11220

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	2385.252	7.04	27.13	32.96	39.07	40.28	54.00	-13.72 Average	0.00
2	2390.000	7.04	27.12	32.96	38.88	40.08	54.00	-13.92 Average	0.00
3	2412.000	7.05	27.20	32.95	83.90	85.20	54.00	31.20 Average	0.00

11n_HT(20M)_TX_CH_01_Vertical-Peak

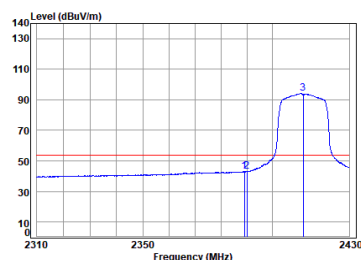


Condition: 3m VERTICAL
Job No : 00367TL00368TL
Mode : 2412 Band edge
: 2.4G WIFI 11N20

2.46 WiFi Line2

	Cable	Ant	Preamp	Read	Level	Limit	Over		Aux
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	Factor
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	2389.242	7.04	27.12	32.96	53.54	54.74	74.00	-19.26 Peak	0.00
2	2390.000	7.04	27.12	32.96	56.74	57.94	74.00	-16.06 Peak	0.00
3	2412.000	7.05	27.20	32.95	101.93	103.23	74.00	29.23 Peak	0.00

11n_HT(20M)_TX_CH_01_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00367TL00368TL
Mode : 2412 Band edge
: 2.4G WIFI 11N20

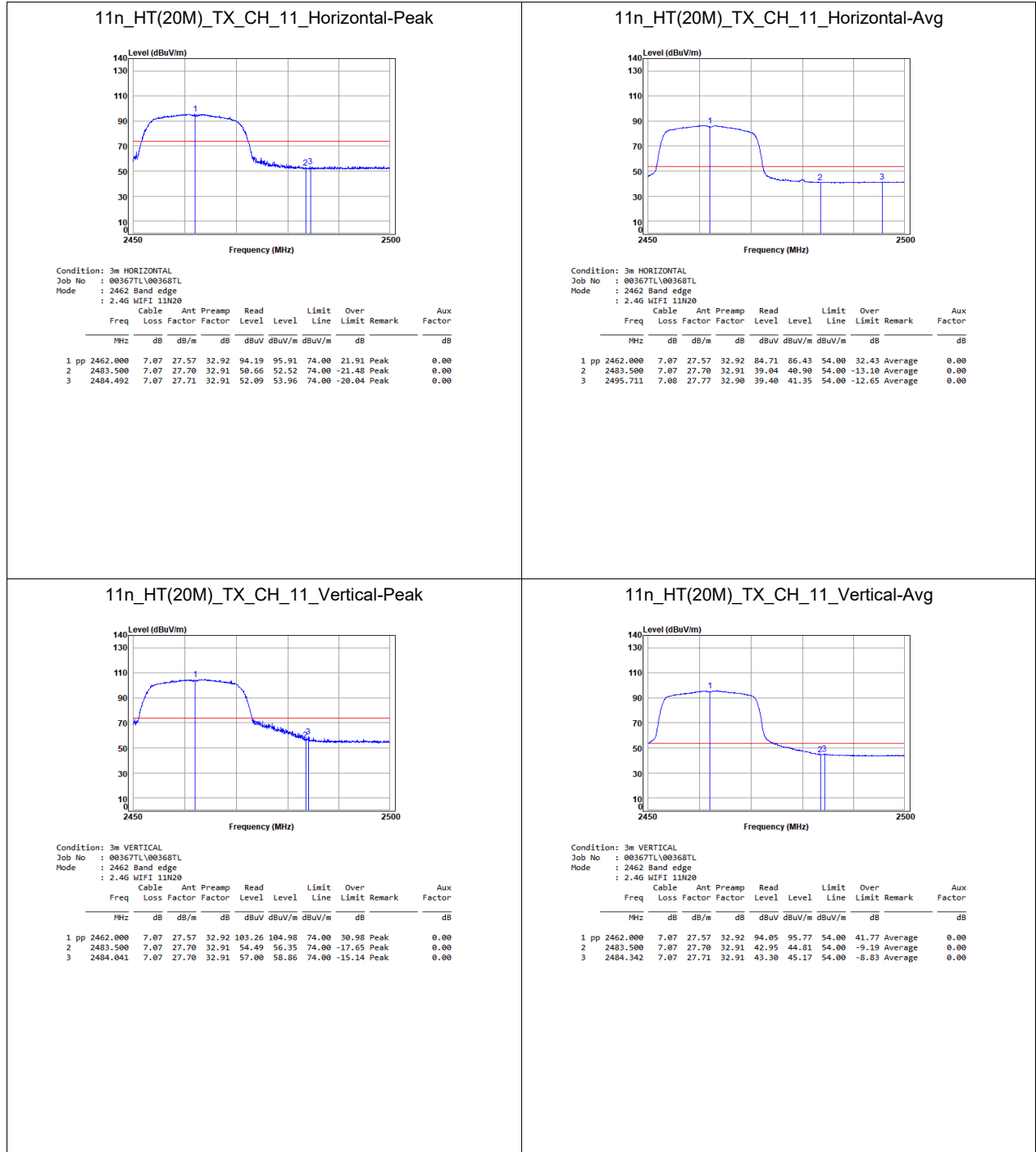
: 2.40 MHz Line2									
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.121	7.04	27.12	32.96	41.80	43.00	54.00	-11.00 Average	0.00
2	2390.000	7.04	27.12	32.96	41.94	43.14	54.00	-10.86 Average	0.00
3 po	2412.000	7.05	27.20	32.95	93.10	94.40	54.00	40.40 Average	0.00

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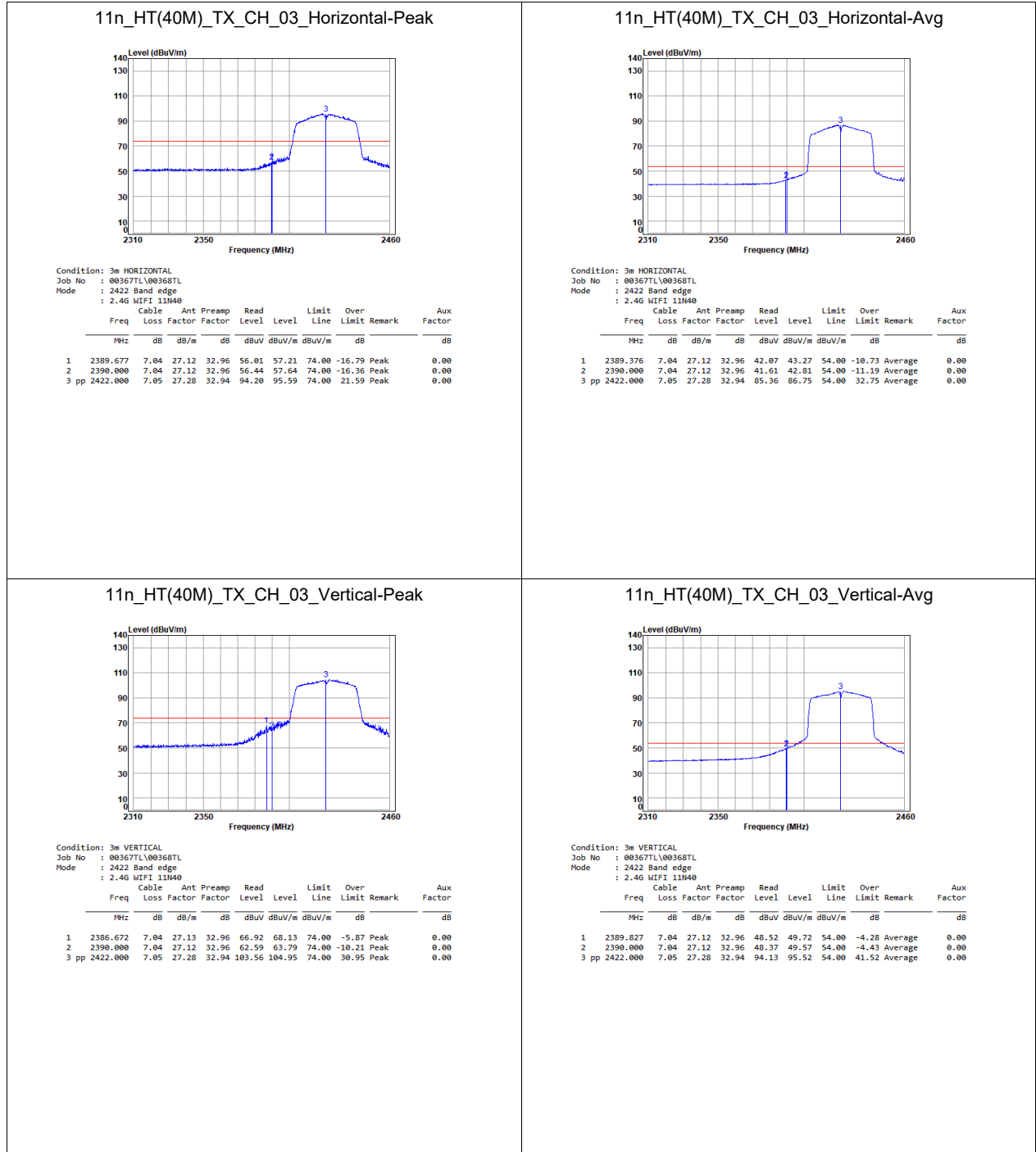
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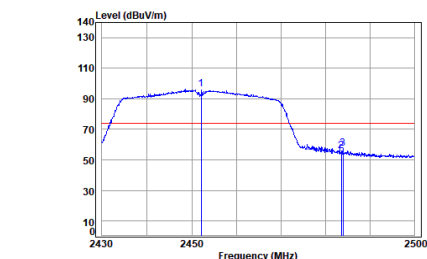
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11n_HT(40M)_TX_CH_09_Horizontal-Peak



Condition: 3m HORIZONTAL

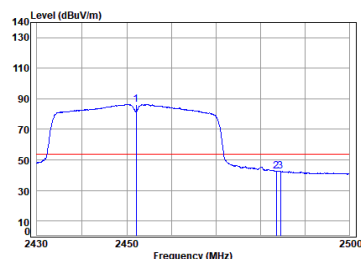
Job No : 00367TL00368TL

Mode : 2452 Band edge

: 2.4G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp 2452.000	7.06	27.51	32.93	94.74	96.38	74.00	22.38	Peak	0.00
2 2483.500	7.07	27.70	32.91	54.03	55.89	74.00	-18.11	Peak	0.00
3 2483.865	7.07	27.70	32.91	55.63	57.49	74.00	-16.51	Peak	0.00

11n_HT(40M)_TX_CH_09_Horizontal-Avg



Condition: 3m HORIZONTAL

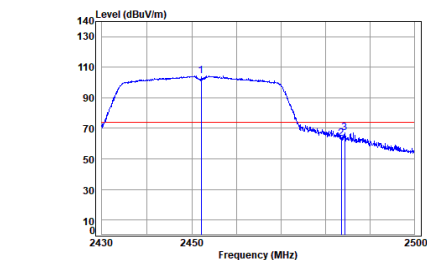
Job No : 00367TL00368TL

Mode : 2452 Band edge

: 2.4G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp 2452.000	7.06	27.51	32.93	64.65	86.29	54.00	32.29	Average	0.00
2 2483.500	7.07	27.70	32.91	48.02	49.88	54.00	-4.12	Average	0.00
3 2484.429	7.07	27.71	32.91	48.95	42.82	54.00	-11.18	Average	0.00

11n_HT(40M)_TX_CH_09_Vertical-Peak



Condition: 3m VERTICAL

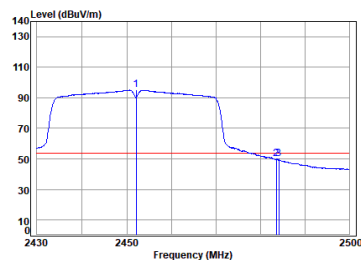
Job No : 00367TL00368TL

Mode : 2452 Band edge

: 2.4G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp 2452.000	7.06	27.51	32.93	102.74	104.38	74.00	30.38	Peak	0.00
2 2483.500	7.07	27.70	32.91	61.52	63.38	74.00	-10.62	Peak	0.00
3 2484.217	7.07	27.71	32.91	65.20	67.07	74.00	-6.93	Peak	0.00

11n_HT(40M)_TX_CH_09_Vertical-Avg



Condition: 3m VERTICAL

Job No : 00367TL00368TL

Mode : 2452 Band edge

: 2.4G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp 2452.000	7.06	27.51	32.93	93.39	95.03	54.00	41.03	Average	0.00
2 2483.500	7.07	27.70	32.91	48.02	49.88	54.00	-4.12	Average	0.00
3 2484.076	7.07	27.71	32.91	48.02	49.89	54.00	-4.11	Average	0.00

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6.3 Radiated Spurious Emissions Below 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209
 Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.4,6.5
 Measurement Distance: 3m
 Test Engineer: Rex Liu

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

Note

1: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

2. At frequencies below 1GHz, measurements may be performed at a distance different to specified in the regulations.

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

EX. Below 30MHz, Aux Factor = 40 dB/decade of distance, the aux factor is $40\log(3/300) = -80\text{dB}$ (for 3m test distance).

EX. Above 30MHz, Aux Factor = 20 dB/decade of distance, the aux factor is $20\log(10/3) = 10.46\text{dB}$ (for 10m test distance).

6.3.1 E.U.T. Operation

Operating Environment:

Temperature: 22.3 °C Humidity: 48.6 % RH Atmospheric Pressure: 1000 mbar



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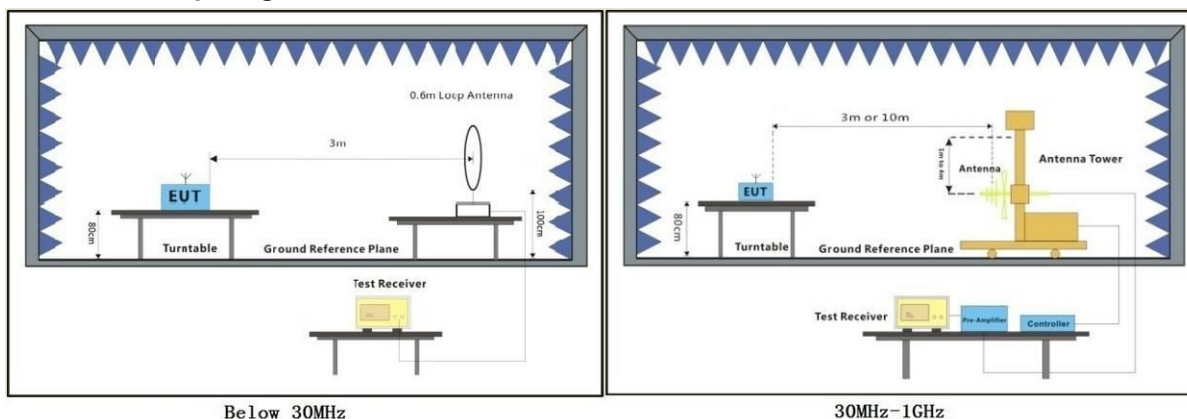
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6.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	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 @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

6.3.3 Test Setup Diagram



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6.3.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8m above the ground at a semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3m or 10m away from the interference-receiving antenna, which was mounted on the variable-height antenna tower.
- c. The antenna height is varied from 1m to 4m 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 1m to 4m (for the test frequency of below 30MHz, the antenna was tuned to heights 1m) 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 Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
2. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the worst-case test curve is displayed.



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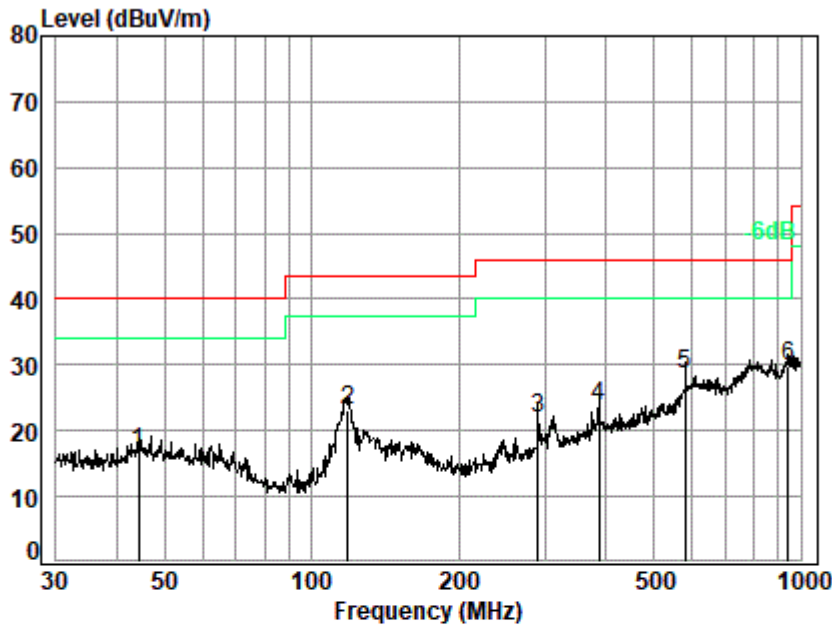
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Test Mode: 00; Polarity: Horizontal



Site : chamber

Condition: 3m HORIZONTAL

Job No : 00367TL/00368TL

Mode : 00

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	44.28	0.53	17.59	26.11	24.78	16.79	40.00	-23.21	QP
2	118.60	1.38	15.01	25.79	32.45	23.05	43.50	-20.45	QP
3	290.02	0.40	17.26	25.22	29.50	21.94	46.00	-24.06	QP
4	386.63	1.53	19.51	25.90	28.52	23.66	46.00	-22.34	QP
5	580.70	2.65	23.46	26.57	28.93	28.47	46.00	-17.53	QP
6	942.13	2.73	28.11	26.35	25.25	29.74	46.00	-16.26	QP



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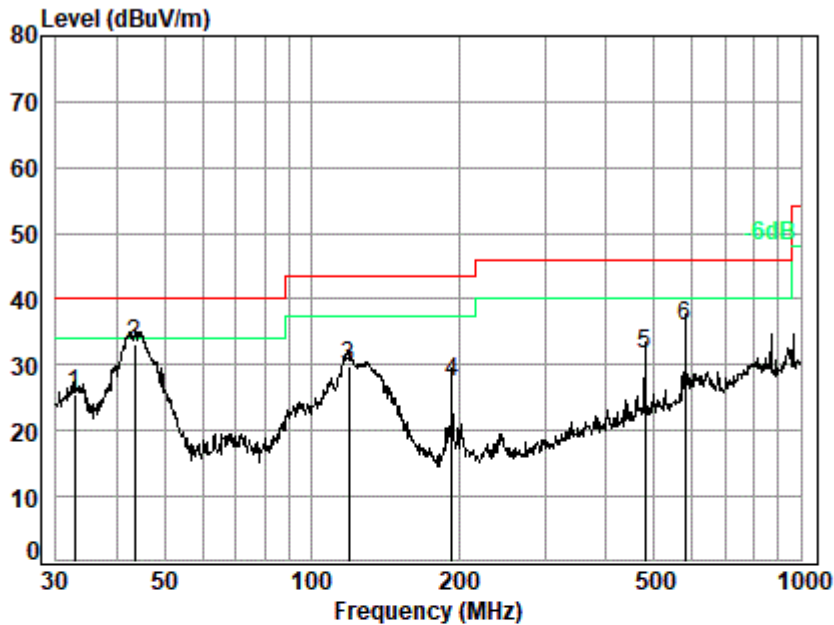
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Test Mode: 00; Polarity: Vertical



Site : chamber

Condition: 3m VERTICAL

Job No : 00367TL/00368TL

Mode : 00

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	32.75	0.62	16.64	26.13	34.48	25.61	40.00	-14.39	QP
2	43.51	0.48	17.54	26.11	41.37	33.28	40.00	-6.72	QP
3	119.02	1.39	15.05	25.79	39.25	29.90	43.50	-13.60	QP
4	193.09	1.06	14.23	25.48	37.59	27.40	43.50	-16.10	QP
5	480.53	1.27	21.41	26.49	35.29	31.48	46.00	-14.52	QP
6	580.70	2.65	23.46	26.57	36.23	35.77	46.00	-10.23	QP



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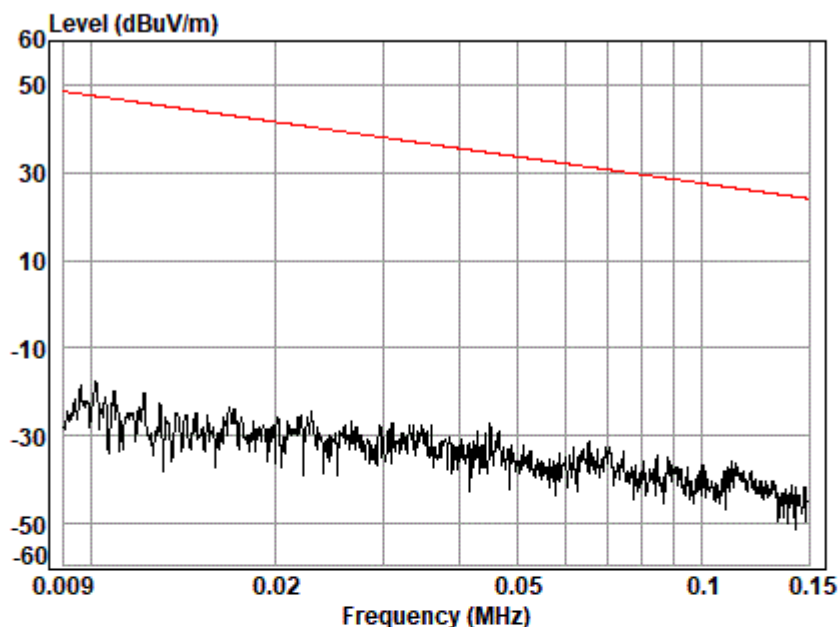
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Test Mode: 00; Polarity: Coaxial



Site : chamber
Condition: 3m
Job No. : 00367TL
Test Mode: 00
Polarity : coaxial



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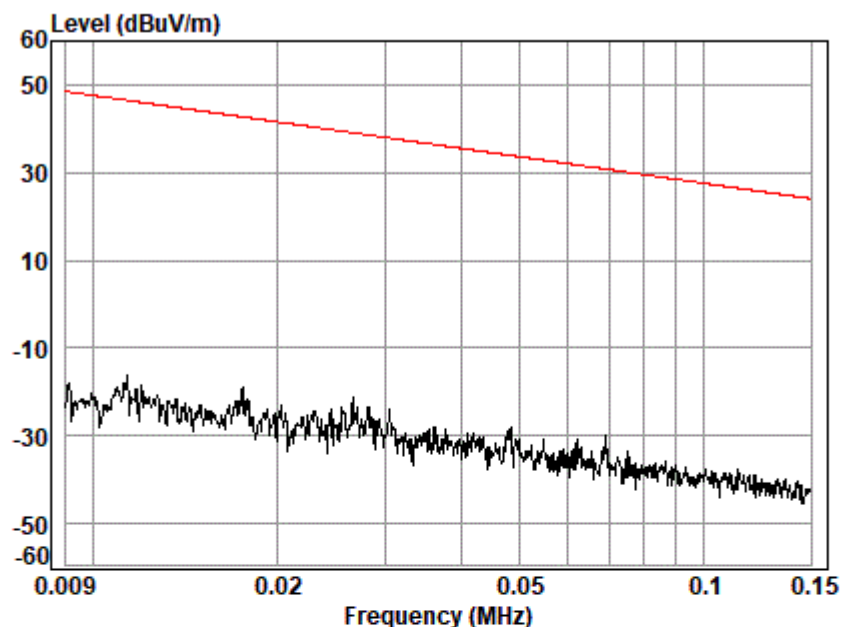
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.:FYCR260700036701

Page: 31 of 43

Test Mode: 00; Polarity: Coplanar



Site : chamber
Condition: 3m
Job No. : 00367TL
Test Mode: 00
Polarity : coplanar



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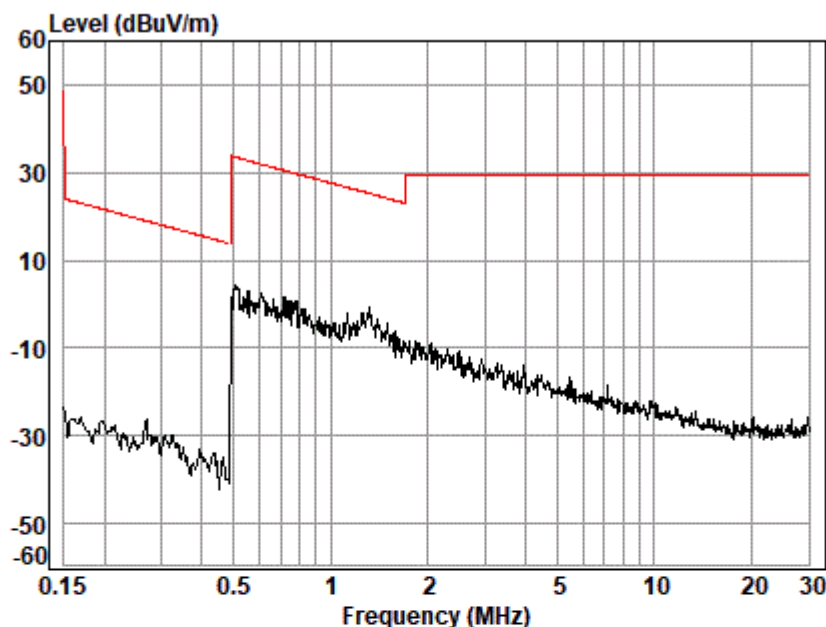
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.:FYCR260700036701

Page: 32 of 43

Test Mode: 00; Polarity: Coaxial



Site : chamber
Condition: 3m
Job No. : 00367TL
Test Mode: 00
Polarity : coaxial



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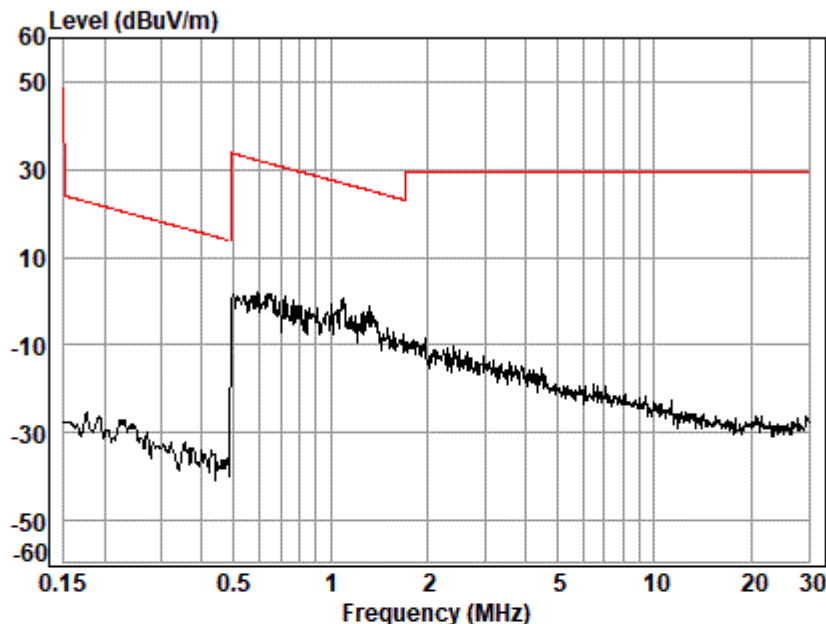
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.:FYCR260700036701

Page: 33 of 43

Test Mode: 00; Polarity: Coaxial



Site : chamber
Condition: 3m
Job No. : 00367TL
Test Mode: 00
: coplanar



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6.4 Radiated Spurious Emissions Above 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209
 Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.6 & 11.12
 Measurement Distance: 3m
 Test Engineer: Rex Liu

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1000	500	3

Note:

At Above 18GHz, measurements may be performed at a distance shorter than that specified in the regulations

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

EX. Above 18GHz, Aux Factor = 20 dB/decade of distance, the aux factor is $20\log(1/3) = -9.54\text{dB}$ (for 1m test distance).

6.4.1 E.U.T. Operation

Operating Environment:

Temperature: 22.3 °C Humidity: 51.4 % RH Atmospheric Pressure: 1000 mbar

6.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	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 @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

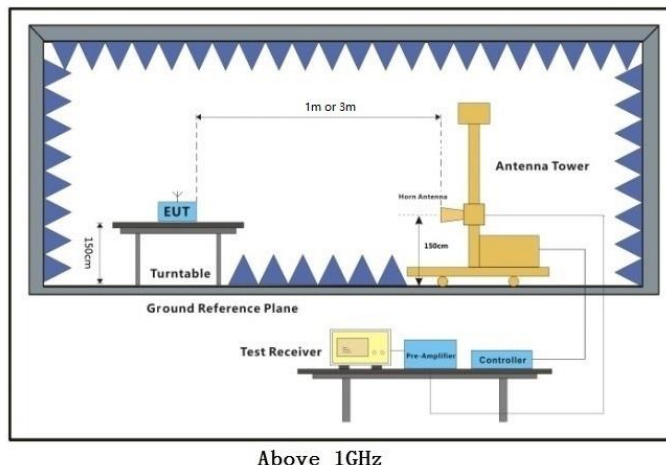


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6.4.3 Test Setup Diagram



6.4.4 Measurement Procedure and Data

- For above 1GHz, the EUT was placed on the top of a rotating table 1.5m above the ground at a 3m fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3m away from the interference-receiving antenna from 1GHz to 18GHz, and 1m away from the interference-receiving antenna above 18GHz.
- The interference-receiving antenna was mounted on the variable-height antenna tower, with its boresight facing the EUT throughout the test.
- The antenna height is varied from 1m to 4m 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.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1m to 4m and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- Test the EUT in the lowest channel, the middle channel, the Highest channel.
- 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.
- Repeat above procedures until all frequencies measured was complete.

Remark:

- Scan from 1GHz to 10th harmonic of the highest frequency or 40 GHz, whichever is lower.
- 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.
- For the frequency above 18GHz, testing had been executed under all test modes, only the worst-case test curve is displayed in the report.
- For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s).



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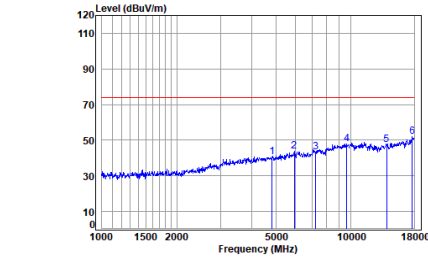
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Remark: Only retain the data of the worst-case 11b and 11n modes.

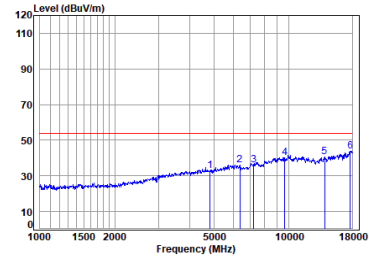
11b_TX_CH_01_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00367TL\00368TL
Mode : 2412 TX RSE
: 2.4G WIFI 11B

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4824.000	8.27	31.86	53.15	53.42	40.40	74.00	-33.60	Peak	0.00
2 5932.638	8.28	33.62	53.29	55.21	43.82	74.00	-30.18	Peak	0.00
3 7236.000	8.87	36.36	53.45	51.54	43.32	74.00	-30.68	Peak	0.00
4 9648.000	11.92	38.60	54.03	51.53	48.02	74.00	-25.98	Peak	0.00
5 13957.530	10.71	40.66	53.91	49.96	47.42	74.00	-26.58	Peak	0.00
6 pp17698.530	14.45	40.06	51.56	48.99	51.94	74.00	-22.06	Peak	0.00

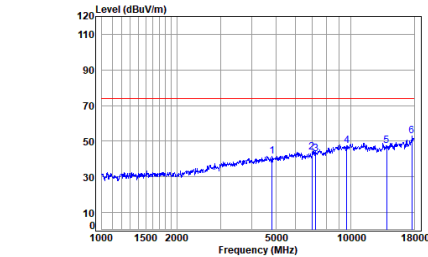
11b_TX_CH_01_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00367TL\00368TL
Mode : 2412 TX RSE
: 2.4G WIFI 11B

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4824.000	8.27	31.86	53.15	46.05	33.03	54.00	-20.97	Average	0.00
2 6358.789	8.59	34.81	53.26	46.06	36.20	54.00	-17.80	Average	0.00
3 7236.000	8.87	36.36	53.45	44.23	36.81	54.00	-17.99	Average	0.00
4 9648.000	11.92	38.60	54.03	43.53	40.02	54.00	-13.98	Average	0.00
5 13957.530	10.71	40.66	53.91	43.16	40.62	54.00	-13.38	Average	0.00
6 pp17698.530	14.45	40.06	51.56	41.05	44.00	54.00	-10.00	Average	0.00

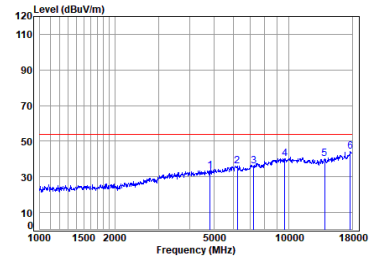
11b_TX_CH_01_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00367TL\00368TL
Mode : 2412 TX RSE
: 2.4G WIFI 11B

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4824.000	8.27	31.86	53.15	54.51	41.49	74.00	-32.51	Peak	0.00
2 6995.172	8.55	36.01	53.20	52.59	43.95	74.00	-30.05	Peak	0.00
3 7236.000	8.87	36.36	53.45	51.11	42.89	74.00	-31.11	Peak	0.00
4 9648.000	11.92	38.60	54.03	51.01	47.50	74.00	-26.50	Peak	0.00
5 13957.530	10.71	40.66	53.91	49.86	47.32	74.00	-26.68	Peak	0.00
6 pp17698.530	14.45	39.86	51.57	50.08	52.82	74.00	-21.18	Peak	0.00

11b_TX_CH_01_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00367TL\00368TL
Mode : 2412 TX RSE
: 2.4G WIFI 11B

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4824.000	8.27	31.86	53.15	46.52	33.50	54.00	-20.50	Average	0.00
2 6213.441	8.45	34.41	53.28	46.46	36.04	54.00	-17.96	Average	0.00
3 7236.000	8.87	36.36	53.45	44.43	36.21	54.00	-17.79	Average	0.00
4 9648.000	11.92	38.60	54.03	43.87	40.36	54.00	-13.64	Average	0.00
5 13957.530	10.71	40.66	53.91	42.68	40.14	54.00	-13.86	Average	0.00
6 pp17698.530	14.45	40.06	51.56	41.25	44.20	54.00	-9.80	Average	0.00



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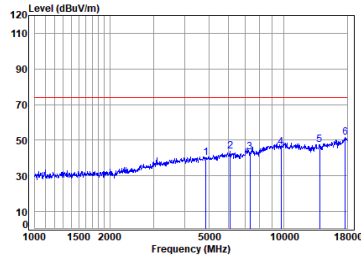
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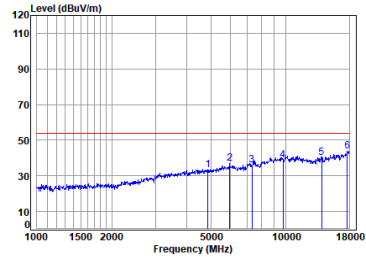
11b_TX_CH_06_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00367TL00368TL
Mode : 2437 TX RSE
: 2.4G WIFI 11B

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4874.000	8.29	31.99	53.17	53.14	40.25	74.00	-33.75	Peak	0.00
2 6088.991	8.32	33.09	53.29	54.90	43.82	74.00	-30.18	Peak	0.00
3 7311.000	8.97	36.12	53.53	51.61	43.17	74.00	-30.83	Peak	0.00
4 9748.000	11.90	38.29	54.05	49.96	46.10	74.00	-27.90	Peak	0.00
5 13957.530	10.71	40.66	53.91	49.77	47.23	74.00	-26.77	Peak	0.00
6 pp17690.530	14.45	40.06	51.56	48.52	51.47	74.00	-22.53	Peak	0.00

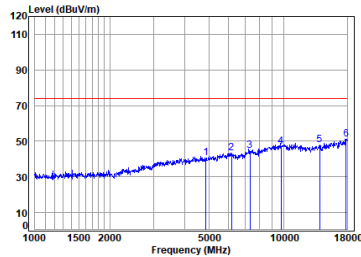
11b_TX_CH_06_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00367TL00368TL
Mode : 2437 TX RSE
: 2.4G WIFI 11B

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4874.000	8.29	31.99	53.17	46.18	33.29	54.00	-20.71	Average	0.00
2 5949.811	8.26	33.90	53.30	48.10	36.96	54.00	-17.04	Average	0.00
3 7311.000	8.97	36.12	53.53	44.35	35.91	54.00	-18.09	Average	0.00
4 9748.000	11.90	38.29	54.05	42.45	38.59	54.00	-15.41	Average	0.00
5 13957.530	10.71	40.66	53.91	42.77	40.23	54.00	-13.77	Average	0.00
6 pp17690.530	14.45	40.06	51.56	41.05	44.00	54.00	-10.00	Average	0.00

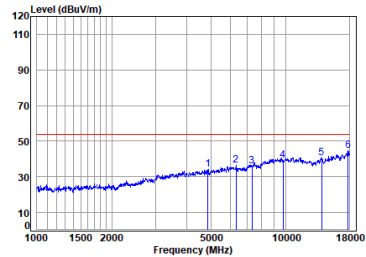
11b_TX_CH_06_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00367TL00368TL
Mode : 2437 TX RSE
: 2.4G WIFI 11B

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4874.000	8.29	31.99	53.17	53.29	40.40	74.00	-33.60	Peak	0.00
2 6159.797	8.39	34.06	53.28	54.24	43.41	74.00	-30.59	Peak	0.00
3 7311.000	8.97	36.12	53.53	53.08	44.64	74.00	-29.36	Peak	0.00
4 9748.000	11.90	38.29	54.05	50.84	46.98	74.00	-27.02	Peak	0.00
5 13957.530	10.71	40.66	53.91	50.53	47.99	74.00	-26.01	Peak	0.00
6 pp17793.090	14.47	40.19	51.54	48.16	51.28	74.00	-22.72	Peak	0.00

11b_TX_CH_06_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00367TL00368TL
Mode : 2437 TX RSE
: 2.4G WIFI 11B

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4874.000	8.29	31.99	53.17	46.90	34.01	54.00	-19.99	Average	0.00
2 6322.135	8.56	34.30	53.27	46.78	36.37	54.00	-17.63	Average	0.00
3 7311.000	8.97	36.12	53.53	44.64	36.20	54.00	-17.80	Average	0.00
4 9748.000	11.90	38.29	54.05	43.20	39.34	54.00	-14.66	Average	0.00
5 13957.530	10.71	40.66	53.91	43.06	40.52	54.00	-13.48	Average	0.00
6 pp17793.090	14.47	40.19	51.54	41.48	44.00	54.00	-9.40	Average	0.00



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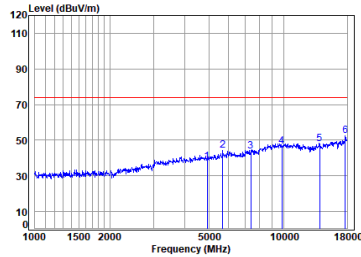
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Report No.:FYCR260700036701

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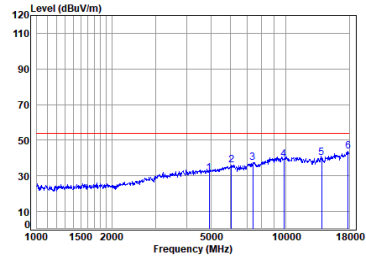
11b_TX_CH_11_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00367TL\00368TL
Mode : 2462 TX RSE
: 2.4G WIFI 11b

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4924.000	8.31	32.20	53.18	50.70	38.03	74.00	-35.97	Peak	0.00
2 5697.365	8.44	33.11	53.27	55.92	44.20	74.00	-29.80	Peak	0.00
3 7386.000	9.07	36.70	53.60	51.67	43.84	74.00	-30.16	Peak	0.00
4 9848.000	11.88	38.59	54.07	50.23	46.63	74.00	-27.37	Peak	0.00
5 13957.530	10.71	40.66	53.91	50.62	48.08	74.00	-25.92	Peak	0.00
6 pp17690.538	14.45	40.06	51.56	49.45	52.40	74.00	-21.60	Peak	0.00

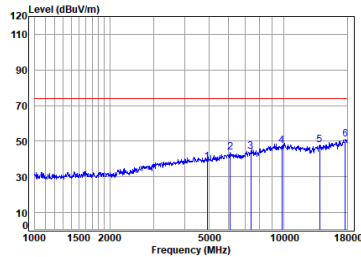
11b_TX_CH_11_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00367TL\00368TL
Mode : 2462 TX RSE
: 2.4G WIFI 11b

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4924.000	8.31	32.20	53.18	43.98	31.31	54.00	-22.69	Average	0.00
2 5697.365	8.29	33.54	53.29	47.64	36.18	54.00	-17.82	Average	0.00
3 7386.000	9.07	36.70	53.60	45.45	37.62	54.00	-16.38	Average	0.00
4 9848.000	11.88	38.59	54.07	42.85	39.25	54.00	-14.75	Average	0.00
5 13957.530	10.71	40.66	53.91	42.79	40.25	54.00	-13.75	Average	0.00
6 pp17793.090	14.47	40.19	51.54	40.63	43.75	54.00	-10.25	Average	0.00

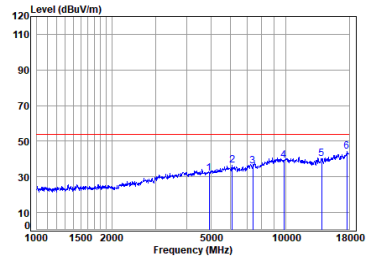
11b_TX_CH_11_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00367TL\00368TL
Mode : 2462 TX RSE
: 2.4G WIFI 11b

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4924.000	8.31	32.20	53.18	50.00	38.13	74.00	-35.87	Peak	0.00
2 5697.365	8.34	34.00	53.29	54.70	43.75	74.00	-30.25	Peak	0.00
3 7386.000	9.07	36.70	53.60	52.30	44.47	74.00	-29.53	Peak	0.00
4 9848.000	11.88	38.59	54.07	51.12	47.52	74.00	-26.48	Peak	0.00
5 13957.530	10.71	40.66	53.91	50.37	47.83	74.00	-26.17	Peak	0.00
6 pp17690.538	14.45	40.06	51.56	48.04	50.99	74.00	-23.01	Peak	0.00

11b_TX_CH_11_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00367TL\00368TL
Mode : 2462 TX RSE
: 2.4G WIFI 11b

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4924.000	8.31	32.20	53.18	44.72	32.05	54.00	-21.95	Average	0.00
2 5697.365	8.32	33.89	53.29	47.55	36.47	54.00	-17.53	Average	0.00
3 7386.000	9.07	36.70	53.60	43.92	36.09	54.00	-17.91	Average	0.00
4 9848.000	11.88	38.59	54.07	42.83	39.23	54.00	-14.77	Average	0.00
5 13957.530	10.71	40.66	53.91	42.86	40.32	54.00	-13.68	Average	0.00
6 pp17639.470	14.45	39.86	51.57	41.36	44.10	54.00	-9.90	Average	0.00



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Shenzhen Branch

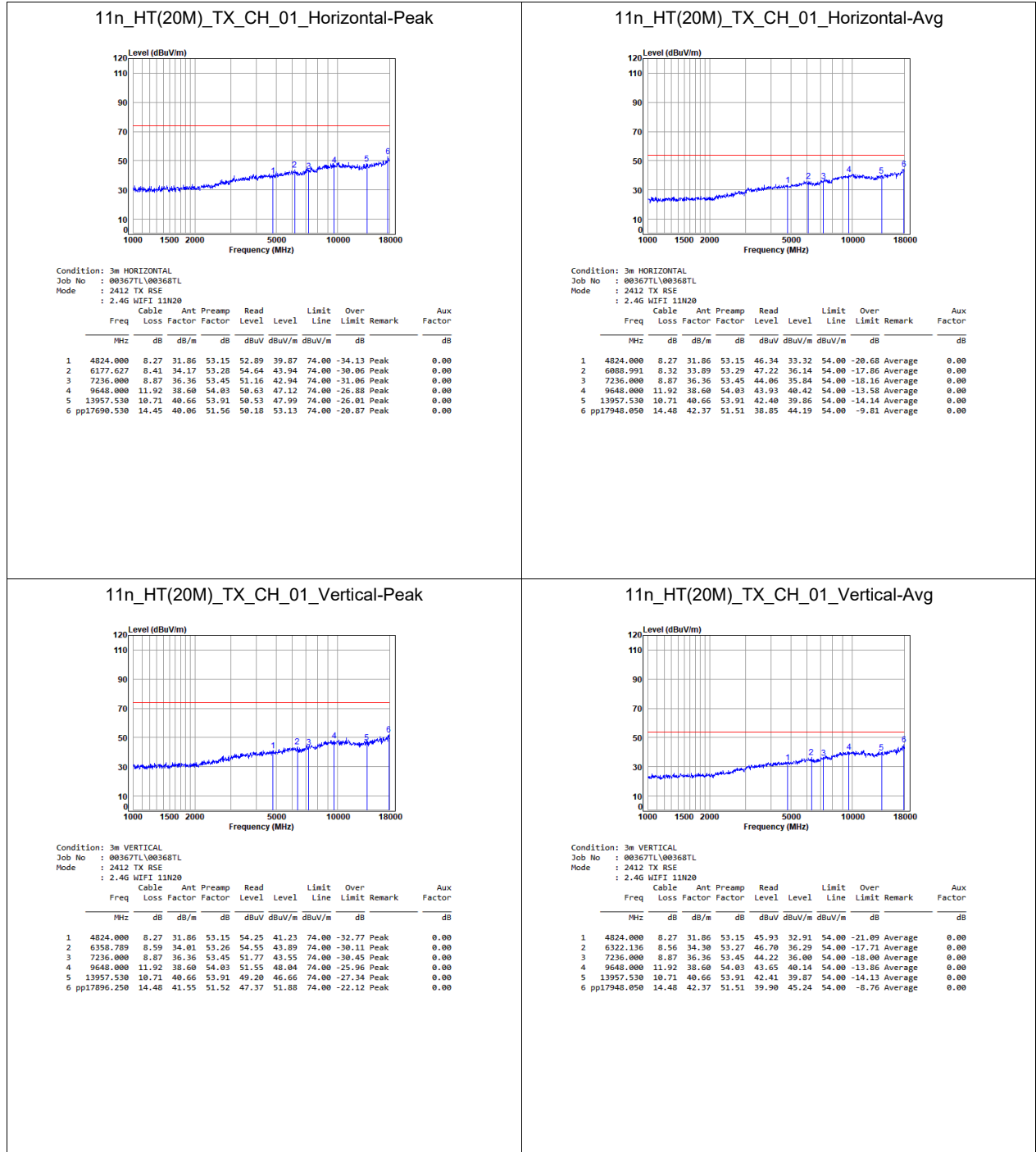
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SZCCS-TRF-01 Rev. A/2

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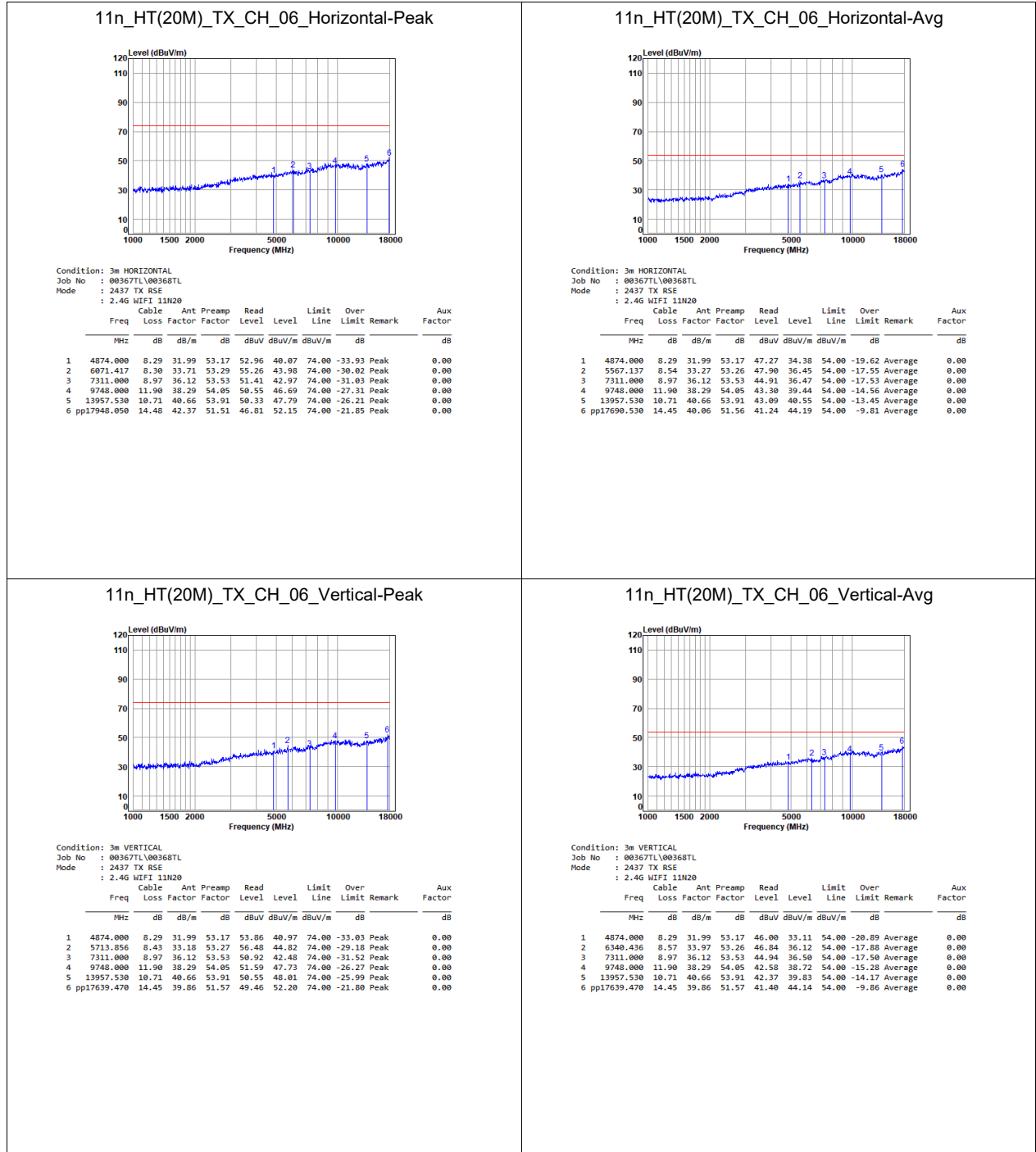
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Report No.:FYCR260700036701

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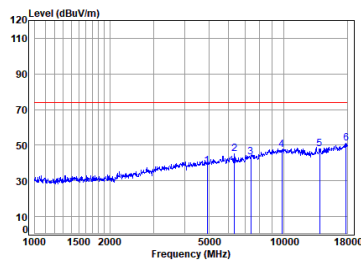
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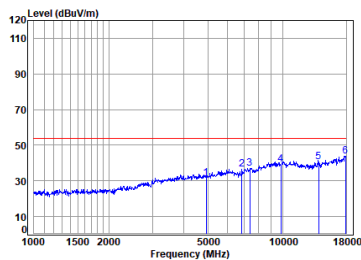
11n_HT(20M)_TX_CH_11_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00367TL\00368TL
Mode : 2462 TX RSE
: 2.4G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4924.000	8.31	32.20	53.18	51.18	38.51	74.00	-35.49	Peak	0.00
2 6340.436	8.57	33.97	53.26	55.77	45.05	74.00	-28.95	Peak	0.00
3 7386.000	9.07	36.70	53.60	51.12	43.29	74.00	-30.71	Peak	0.00
4 9848.000	11.88	38.59	54.07	50.91	47.31	74.00	-26.69	Peak	0.00
5 13957.530	10.71	40.66	53.91	50.29	47.75	74.00	-26.25	Peak	0.00
6 pp17844.598	14.47	48.83	51.53	47.43	51.20	74.00	-22.80	Peak	0.00

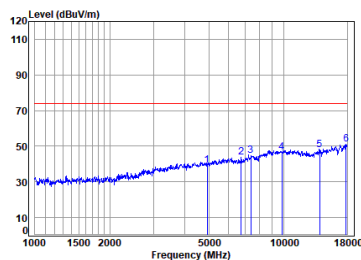
11n_HT(20M)_TX_CH_11_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00367TL\00368TL
Mode : 2462 TX RSE
: 2.4G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4924.000	8.31	32.20	53.18	44.22	31.55	54.00	-22.45	Average	0.00
2 6340.436	8.60	35.31	53.21	45.08	36.38	54.00	-17.70	Average	0.00
3 7386.000	9.07	36.70	53.60	44.67	36.84	54.00	-17.16	Average	0.00
4 9848.000	11.88	38.59	54.07	42.84	39.24	54.00	-14.76	Average	0.00
5 13957.530	10.71	40.66	53.91	43.07	40.53	54.00	-13.47	Average	0.00
6 pp17896.250	14.48	41.55	51.52	39.24	43.75	54.00	-10.25	Average	0.00

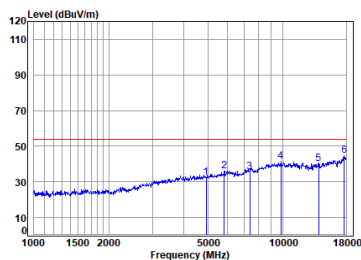
11n_HT(20M)_TX_CH_11_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00367TL\00368TL
Mode : 2462 TX RSE
: 2.4G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4924.000	8.31	32.20	53.18	51.87	39.20	74.00	-34.80	Peak	0.00
2 6756.708	8.64	35.30	53.22	53.06	43.78	74.00	-30.22	Peak	0.00
3 7386.000	9.07	36.70	53.60	52.43	44.60	74.00	-29.40	Peak	0.00
4 9848.000	11.88	38.59	54.07	50.36	46.76	74.00	-27.24	Peak	0.00
5 13957.530	10.71	40.66	53.91	50.66	48.12	74.00	-25.88	Peak	0.00
6 pp17793.098	14.47	48.19	51.54	47.95	51.07	74.00	-22.93	Peak	0.00

11n_HT(20M)_TX_CH_11_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00367TL\00368TL
Mode : 2462 TX RSE
: 2.4G WIFI 11N20

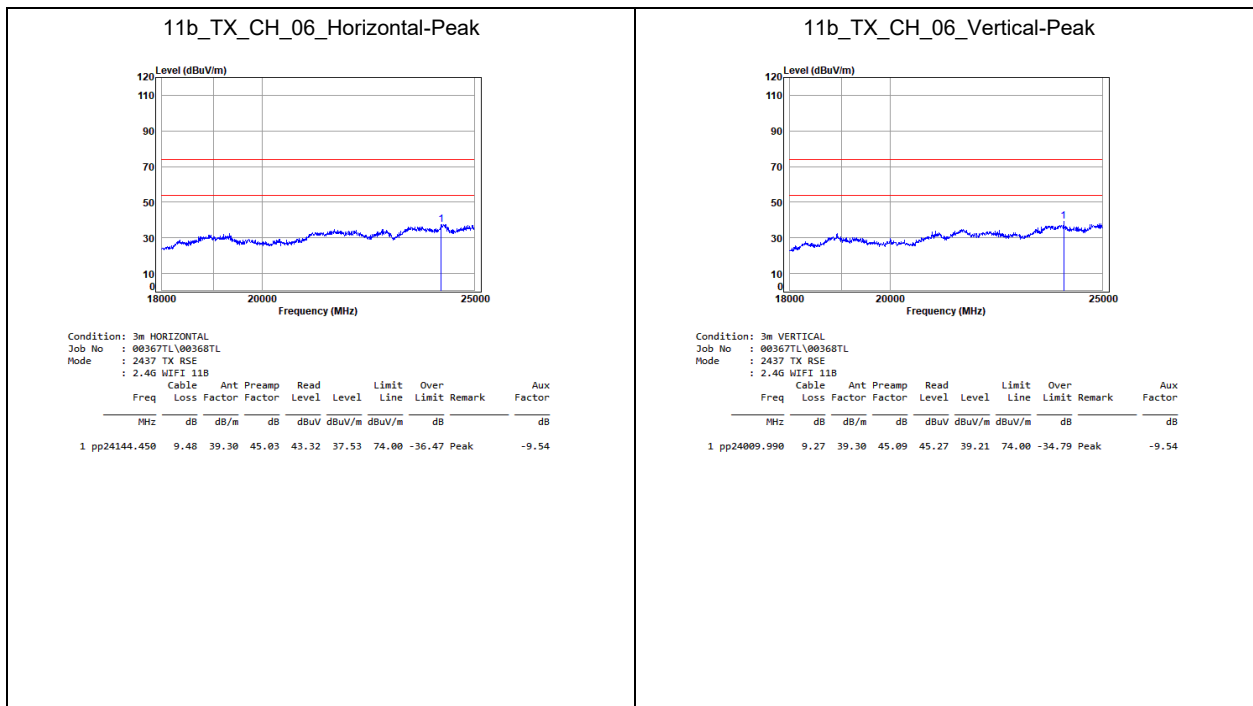
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4924.000	8.31	32.20	53.18	45.20	32.53	54.00	-21.47	Average	0.00
2 5830.640	8.35	33.82	53.28	48.12	36.21	54.00	-17.79	Average	0.00
3 7386.000	9.07	36.70	53.60	43.54	35.71	54.00	-18.29	Average	0.00
4 9848.000	11.88	38.59	54.07	44.97	41.37	54.00	-12.63	Average	0.00
5 13957.530	10.71	40.66	53.91	42.47	39.93	54.00	-14.07	Average	0.00
6 pp17698.530	14.45	48.06	51.56	41.91	44.86	54.00	-9.14	Average	0.00

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7 Test Setup Photo

Refer to Appendix - Test Setup Photo for FYCR2607000367TL

8 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for FYCR2607000367TL

- End of the Report -



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