



Project No.: Report No.:

TM-2305000465P TMWK2305001705KR FCC ID: 2AGBW9290035625X Page: 1 / 107

Rev.: 03

# **RADIO TEST REPORT** FCC 47 CFR PART 15 SUBPART C

Test Standard	FCC Part 15.247
Product name	Digital Device
Brand Name	Philips
Model No.	9290035625, 9290035626
Test Result	Pass
Statements of Conformity	Determination of compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

The test Result was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were given in ANSI C63.10: 2013 and compliance standards.

The test results of this report relate only to the tested sample (EUT) identified in this report.

The test Report of full or partial shall not copy. Without written approval of Compliance Certification Services Inc. (Wugu Laboratory)

Approved by:

and 1

Shawn Wu Supervisor

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

No.11, Wugong 6th Rd., Wugu Dist., New Taipei City , Taiwan /新北市五股區五工六路 11 號 t:(886-2) 2299-9720 f:(886-2) 2299-9721 www.sgs.com.tw



Page: 2 / 107 Rev.: 03

#### Report No.: TMWK2305001705KR

## **Revision History**

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	August 2, 2023	Initial Issue	ALL	Doris Chu
01	August 14, 2023	See the following Note Rev. (01)	P.5, P.8, P.18-19, P.35, P.53, P.12, P.4	Doris Chu
02	August 17, 2023	See the following Note Rev. (02)	P.12, P.42, P.4	Doris Chu
03	August 18, 2023	See the following Note Rev. (03)	P.4	Doris Chu

Rev. (01)

1. Modify antenna type to Monopole in section 1.3.

2. Modify 966D Equipment to EXA Signal Analyzer in section 1.6.

3. Add 240V Conduction data in section 4.1.4.

4. Modify Test Procedure in section 4.4.2.

5. Modify Band Edge in section 4.5.4.

6. Modify test mode in section 3.2.

7. Add Serial Number and modify Model Discrepancy in section 1.1. Rev. (02)

1. Modify remark in section 3.2.

2. Modify test date in section 4.5.4.

3. Modify Serial Number in section 1.1.

Rev. (03)

1. Remove HW Version in section 1.1.



Page: 3 / 107 Rev.: 03

## Table of contents

1.	GENERAL INFORMATION
1.1	EUT INFORMATION
1.2	EUT CHANNEL INFORMATION5
1.3	ANTENNA INFORMATION
1.4	MEASUREMENT UNCERTAINTY6
1.5	FACILITIES AND TEST LOCATION7
1.6	INSTRUMENT CALIBRATION 8
1.7	SUPPORT AND EUT ACCESSORIES EQUIPMENT9
1.8	TEST METHODOLOGY AND APPLIED STANDARDS9
2.	TEST SUMMARY 10
3.	DESCRIPTION OF TEST MODES11
3.1	THE WORST MODE OF OPERATING CONDITION 11
3.2	THE WORST MODE OF MEASUREMENT 12
3.3	EUT DUTY CYCLE
4.	TEST RESULT 15
4.1	AC POWER LINE CONDUCTED EMISSION
4.2	6DB BANDWIDTH AND OCCUPIED BANDWIDTH (99%) 20
4.3	OUTPUT POWER MEASUREMENT
4.4	POWER SPECTRAL DENSITY
4.5	CONDUCTED BANDEDGE AND SPURIOUS EMISSION
4.6	RADIATION BANDEDGE AND SPURIOUS EMISSION
APP	ENDIX 1 - PHOTOGRAPHS OF EUTA-1



## 1. GENERAL INFORMATION

## **1.1 EUT INFORMATION**

<b>.</b>	Signify (China) Investment Co., Ltd.						
Applicant	Building no.9, Lane 888, Haniin Road, Minnang District, Shanghai, 200233, China						
	Signify (China) Investment Co. Ltd						
Manufacturer	Building no.9. L	_ane 888. Tianlin Road. Minhang District. Shanghai.					
	200233, China						
Equipment	Digital Device						
Model Name	9290035625, 9	290035626					
	Model	Difference					
		1.without Battery components					
	9290035625	2. without level shift IC					
Model Discrepancy		3. Zigbee Antenna model: RFFPA203007IMAB402 WiFi Antenna model: RFFPA203006IMLB403					
		1. with Battery components					
	9290035626	2.with level shift IC					
	9290035020	3. Zigbee Antenna model: RFFPA203007IMAB401					
		WiFi Antenna model: RFFPA203006IMLB402					
Brand Name	Philips						
Received Date	June 2, 2023						
Date of Test	June 9 ~ August 8, 2023						
	1. Power from	Power Adapter.					
Power Supply	I/P: 100-240VAC, 0.6A, 50-60Hz						
	O/P: 12.0VDC, 2.0A, 24.0W						
	2. Power from	Battery. (DC 3.7V) (for 9290035626)					
SW Version	V1.0.02R25						
	Radiated:						
	9290035625: E53080						
	9290035626: 0	DF5C2					
Serial Number	Conducted						
	9290035625: F	B2287					
	Conduction						
	9290035626: 74F6BF						

#### Remark:

1. For more details, please refer to the User's manual of the EUT.

- 2. Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.
- **3.** Disclaimer: The variant model numbers / trademarks are assessed as identical in hardware and software to each other, hence all variants are fully covered by the test results in this test report without further verification test.



Page: 5 / 107 Rev.: 03

٦

#### Report No.: TMWK2305001705KR

## **1.2 EUT CHANNEL INFORMATION**

Frequency Range         802.11b/g/n HT20 / ac VHT20: 2412 MHz ~ 2462 M           802.11n HT40/ ac VHT40: 2422 MHz ~ 2452 MHz			
Modulation Type	<ol> <li>IEEE 802.11b mode: DSSS</li> <li>IEEE 802.11g mode: OFDM</li> <li>IEEE 802.11n HT20 mode: OFDM</li> <li>IEEE 802.11n HT40 mode: OFDM</li> <li>IEEE 802.11ac VHT20 mode: OFDM</li> <li>IEEE 802.11ac VHT40 mode: OFDM</li> </ol>		
Number of channels	<ol> <li>IEEE 802.11b mode: 11 Channels</li> <li>IEEE 802.11g mode: 11 Channels</li> <li>IEEE 802.11n HT20 mode: 11 Channels</li> <li>IEEE 802.11n HT40 mode: 7 Channels</li> <li>IEEE 802.11ac VHT20 mode: 11 Channels</li> <li>IEEE 802.11ac VHT40 mode: 7 Channels</li> </ol>		

#### **Remark:**

Refer as ANSI C63.10: 2013 clause 5.6.1 Table 4 for test channels

Number of frequencies to be tested				
Frequency range in which device operates	Number of frequencies	Location in frequency range of operation		
☐ 1 MHz or less	1	Middle		
☐ 1 MHz to 10 MHz	2	1 near top and 1 near bottom		
🛛 More than 10 MHz	3	1 near top, 1 near middle, and 1 near bottom		

## **1.3 ANTENNA INFORMATION**

Antenna Type	🛛 Monopole 🗌 PCB 🗌 Dipole 🗌 Coils
Antenna Gain	9290035625: Gain: 1.45 dBi 9290035626: Gain: 1.81 dBi
Antenna connector	I-PEX

#### Notes:

1. The antenna(s) of the EUT are permanently attached and there are no provisions for connection to an external antenna. So the EUT complies with the requirements of §15.203.



Page: 6 / 107 Rev.: 03

## **1.4 MEASUREMENT UNCERTAINTY**

PARAMETER	UNCERTAINTY
AC Powerline Conducted Emission	± 2.213 dB
Channel Bandwidth	± 2.7 %
RF output power (Power Meter + Power sensor)	± 0.243 dB
Power Spectral density	± 2.739 dB
Conducted Bandedge	± 2.739 dB
Conducted Spurious Emission	± 2.742 dB
Radiated Emission_9kHz-30MHz	± 3.115 dB
Radiated Emission_30MHz-200MHz	± 4.071 dB
Radiated Emission_200MHz-1GHz	± 4.419 dB
Radiated Emission_1GHz-6GHz	± 5.023 dB
Radiated Emission_6GHz-18GHz	± 5.068 dB
Radiated Emission_18GHz-26GHz	± 3.349 dB
Radiated Emission_26GHz-40GHz	± 3.229 dB

#### Remark:

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

2. ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report.



Page: 7 / 107 Rev.: 03

## 1.5 FACILITIES AND TEST LOCATION

All measurement facilities used to collect the measurement data are located at

AC Powerline Conducted Emission and Conducted:

No.11, Wugong 6th Rd., Wugu Dist., New Taipei City, Taiwan.

Radiated emission 9kHz to 40GHz:

No.11, Wugong 6th Rd., Wugu Dist., New Taipei City, Taiwan.

No. 12, Ln. 116, Wugong 3rd Rd., Wugu Dist., New Taipei City, Taiwan 24803

CAB identifier: TW1309

Test site	Test Engineer	Remark
AC Conduction Room	Tony Chao	-
Radiation	Czerny Lin	-
RF Conducted	Allen Shen	-

**Remark:** The lab has been recognized as the FCC accredited lab. under the KDB 974614 D01 and is listed in the FCC pubic Access Link (PAL) database, FCC Registration No. :444940, the FCC Designation No.:TW1309



Page: 8 / 107 Rev.: 03

#### Report No.: TMWK2305001705KR

## **1.6 INSTRUMENT CALIBRATION**

RF Conducted Test Site							
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due		
Bower Sensor	Apritou	MA2411B	4044200	2022-08-08	2023-08-07		
Fower Sensor	Annisu	MA2411B	1911300	2023-07-25	2024-07-24		
Power Sensor	Anritsu	MA2411B	1911387	2022-08-08	2023-08-07		
				2023-07-25	2024-07-24		
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200716	2022-10-13	2023-10-12		
Power Meter	Anritsu	ML2496A	2136002	2022-11-24	2023-11-23		
Software	Radio Test Software Ver. 21 & E3-Ver: 6.11-20180413 LTE Measurement_Power-Ver.21						

Wugu 966 Chamber D							
Name of Equipment	Manufacturer	Model	Serial Number	<b>Calibration Date</b>	<b>Calibration Due</b>		
Antenna	SHWARZBECK	VULB 9168	1277	2023-01-13	2024-01-12		
Pre-Amplifier	EMCI	EMC118A4 5SE	980820	2022-12-23	2023-12-22		
Pre-Amplifier	EMCI	EMC330N	980853	2022-12-23	2023-12-22		
Coaxial Cable	EMC	EMC101G- KM-KM-900 0	220407+21122 8+230205	2023-03-21	2024-03-20		
EXA Signal Analyzer	Agilent	N9010A	MY52220817	2023-03-09	2024-03-08		
Coaxial Cable	EMC	EMCCFD4 00	211212+211222 +211020	2023-03-21	2024-03-20		
High Pass Filter	TITAN	T04H30001 800070S01	211215-7-1	2023-02-02	2024-02-01		
Thermo-Hygro Meter	EDSDS	EDS-A49	966D1	2023-05-11	2024-05-10		
Pre-Amplifier	EMCI	EMC18404 5SE	980872	2023-01-03	2024-01-02		
Horn Antenna	RF SPIN	DRH18-E	210301A18ES	2023-02-03	2024-02-02		
Horn Antenna	SHWARZBECK	BBHA 9170	1134	2022-12-30	2023-12-29		
Loop Antenna	SCHWARZBEC K	FMZB 1513-60	1513-60-028	2022-12-27	2023-12-26		
Software	e3 V9-210616c						

AC Conducted Emissions Test Site					
Equipment	Manufacturer	Model	S/N	Cal Date	Cal Due
EMI Test Receiver	R&S	ESCI	100064	2023-06-07	2024-06-06
LISN	TESEQ	LN2-16N	22012	2023-03-08	2024-03-07
Cabla	EMCI		CEDE	2022-06-27	2023-06-26
Cable	EIVICI	CFD300-NL	GERF	2023-06-27	2024-06-26
Software	EZ-EMC(CCS-3A1-CE-WUGU)				

#### Remark:

1. Each piece of equipment is scheduled for calibration once a year.

2. N.C.R. = No Calibration Required.



Page: 9 / 107 Rev.: 03

## **1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT**

EUT Accessories Equipment								
No. Equipment Brand Model Series No. FCC ID IC								
	N/A							

Support Equipment								
No.	No. Equipment Brand Model Series No. FCC ID							
1	1 NB(E) Lenovo		T460	N/A	N/A			

## **1.8 TEST METHODOLOGY AND APPLIED STANDARDS**

The test methodology, setups and results comply with all requirements in accordance with ANSI C63.10:2013, FCC Part 2, FCC Part 15.247, KDB 662911 and KDB 558074.



Page: 10 / 107 Rev.: 03

#### Report No.: TMWK2305001705KR

## 2. TEST SUMMARY

FCC Standard Section	Report Section	Test Item	Result
15.203	1.3	Antenna Requirement	Pass
15.207(a)	4.1	AC Conducted Emission	Pass
15.247(a)(2)	4.2	6 dB Bandwidth	Pass
-	4.2	Occupied Bandwidth (99%)	Pass
15.247(b)	4.3	Output Power Measurement	Pass
15.247(e)	4.4	Power Spectral Density	Pass
15.247(d)	4.5	Conducted Band Edge	Pass
15.247(d)	4.5	Conducted Spurious Emission	Pass
15.247(d)	4.6	Radiation Band Edge	Pass
15.247(d)	4.6	Radiation Spurious Emission	Pass



Page: 11 / 107 Rev.: 03

## 3. DESCRIPTION OF TEST MODES

## 3.1 THE WORST MODE OF OPERATING CONDITION

	IEEE 802.11b mode:1Mbps			
	IEEE 802.11g mode:6Mbps			
Operation mode	IEEE 802.11n HT20 mode: MCS0			
	IEEE 802.11n HT40 mode: MCS0			
	IEEE 802.11ac VHT20 mode: MCS0			
	IEEE 802.11ac VHT40 mode: MCS0			
	IEEE 802.11b mode: 1T1R			
	IEEE 802.11g mode: 1T1R			
Operation Transmitter	IEEE 802.11n HT20 mode: 1T1R			
	IEEE 802.11n HT40 mode: 1T1R			
	IEEE 802.11ac VHT20 mode: 1T1R			
	IEEE 802.11ac VHT20 mode: 1T1R			
	IEEE 802.11b mode:			
	1. Lowest Channel: 2412 MHz			
	2. Middle Channel: 2437MHz			
	3. Highest Channel: 2462 MHz			
	IEEE 802.11g mode :			
	1. Lowest Channel: 2412 MHz			
	2. Middle Channel: 2437MHz			
	3. Highest Channel: 2462 MHz			
	IEEE 802.11n HT20 mode :			
	1. Lowest Channel: 2412 MHz			
	2. Middle Channel: 2437MHz			
Test Channel Frequencies	3. Highest Channel: 2462 MHz			
	IEEE 802.11ac VHT20 mode :			
	1. Lowest Channel: 2412 MHz			
	2. Middle Channel: 2437MHz			
	3. Highest Channel: 2462 MHz			
	IEEE 802.11n HT40 mode :			
	1. Lowest Channel: 2422 MHz			
	2. Middle Channel: 2437MHz			
	3. Highest Channel: 2452 MHz			
	IEEE 802.11ac VHT40 mode :			
	1. Lowest Channel: 2422 MHz			
	2. Middle Channel: 2437MHz			
	3. Highest Channel: 2452 MHz			

#### Remark:

1. EUT pre-scanned data rate of output power for each mode, the worst data rate were recorded in this report.

2. The mode IEEE 802.11ac VHT20 and VHT40 are only different in control messages with IEEE 802.11n 20 MHz and HT40, and have same power setting. Therefore, the highest power(IEEE 802.11n 20 MHz and HT40) were test conducted and radiated measurement and recorded in this report.



Page: 12 / 107 Rev.: 03

## **3.2 THE WORST MODE OF MEASUREMENT**

AC Power Line Conducted Emission					
<b>Test Condition</b>	AC Power line conducted emission for line and neutral				
Power supply Mode	Mode 1: EUT (Model: 9290035626) Power by Adapter-1.5m(S024CSM1200200) Mode 2: EUT (Model: 9290035625) Power by Adapter-1.5m(S024CSM1200200)				
Worst Mode	Mode 1 🗌 Mode 2 🗌 Mode 3 🗌 Mode 4				

Radiated Emission Measurement Above 1G					
<b>Test Condition</b>	Radiated Emission Above 1G				
Power supply Mode	Mode 1: EUT (Model: 9290035626) Power by Adapter-1.5m(S024CSM1200200) Mode 2: EUT (Model: 9290035625) Power by Adapter-1.5m(S024CSM1200200)				
Worst Mode	Mode 1 🗌 Mode 2 🗌 Mode 3 🗌 Mode 4				
Worst Position	<ul> <li>Placed in fixed position.</li> <li>Placed in fixed position at X-Plane (E2-Plane)</li> <li>Placed in fixed position at Y-Plane (E1-Plane)</li> <li>Placed in fixed position at Z-Plane (H-Plane)</li> </ul>				

Radiated Emission Measurement Below 1G						
Test Condition	Test Condition Radiated Emission Below 1G					
Power supply Mode	Mode 1: EUT (Model: 9290035626) Power by Adapter-1.5m(S024CSM1200200) Mode 2: EUT (Model: 9290035625) Power by Adapter-1.5m(S024CSM1200200)					
Worst Mode	☐ Mode 1 ⊠ Mode 2 ☐ Mode 3 ☐ Mode 4					

Remark:

1. The worst mode was record in this test report.

2. EUT pre-scanned in three axis ,X,Y, Z and two polarity, for radiated measurement. The worst case(Z-Plane) were recorded in this report

3. AC power line conducted emission and for below 1G radiation emission were performed the EUT transmit at the highest band edge and Harmonics channel as worse case.



Page: 13 / 107 Rev.: 03

## **3.3 EUT DUTY CYCLE**

Temperature:	<b>22.3 ~ 25.4</b> ℃	Test date:	June 9 ~ 16, 2023
Humidity:	57 ~ 61% RH	Tested by:	Allen Shen

Duty Cycle								
Configuration Duty Cycle (%)		Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)				
802.11b	99.69	0.01	0.19	0.01				
802.11g	98.76	0.05	0.48	0.01				
802.11n_20	98.67	0.06	0.52	0.01				
802.11n_40	97.23	0.12	1.06	2.00				
802.11ac_20	98.67	0.06	0.52	0.01				
802.11ac_40	97.24	0.12	1.05	2.00				



#### Page: 14 / 107 Rev.: 03





Page: 15 / 107 Rev.: 03

## 4. TEST RESULT

## **4.1 AC POWER LINE CONDUCTED EMISSION**

### 4.1.1 Test Limit

According to §15.207(a)(2)

Frequency Range	Limits(dBµV)				
(MHz)	Quasi-peak	Average			
0.15 to 0.50	66 to 56*	56 to 46*			
0.50 to 5	56	46			
5 to 30	60	50			

\* Decreases with the logarithm of the frequency.

### 4.1.2 Test Procedure

Test method Refer as ANSI C63.10: 2013 clause 6.2,

- 1. The EUT was placed on a non-conducted table, which is 0.8m above horizontal ground plane and 0.4m above vertical ground plane.
- 2. EUT connected to the line impedance stabilization network (LISN)
- 3. Receiver set RBW of 9kHz and Detector Peak, and note as quasi-peak and average.
- 4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 5. Recorded Line for Neutral and Line.

### 4.1.3 Test Setup



## 4.1.4 Test Result

### <u>Pass.</u>



## <u>Test Data</u>

Test Mode:			Mode 1		-	Temp/Hum			24.8(°C)/ 57%RH		
Pha	ase:		Line			Test Date			June 19, 2023		
Test Vo	-	120Vac, (	60Hz	Te	est Engir	neer	Т	ony Cha	0		
80.0 d	Bu¥		3			5	6	Limit			
-20 0.150		0.5			4Hz)	5	*	M. M. Wardenak	30.000		
Frequency (MHz)	Quasi Peak reading (dBuV)	Average reading (d uV)	Correction factor (dB)	Quasi Peak result (dBuV)	Average result (dBuV)	Quasi Peak limit (dBuV)	Average limit (dBuV)	Quasi Peak margin (dB)	Average margin (dB)	Remark	
0.1820	39.01	25.13	0.15	39.16	25.28	64.39	54.39	-25.23	-29.11	Pass	
0.4100	36.43	35.65	0.15	36.58	35.80	57.65	47.65	-21.07	-11.85	Pass	
0.6300	18.25	13.07	0.15	18.40	13.22	56.00	46.00	-37.60	-32.78	Pass	
1.8100	29.01	25.10	0.20	29.21	25.30	56.00	46.00	-26.79	-20.70	Pass	
3.6860	26.94	16.92	0.25	27.19	17.17	56.00	46.00	-28.81	-28.83	Pass	
7.2820	28.35	18.55	0.31	28.66	18.86	60.00	50.00	-31.34	-31.14	Pass	

**Note:** 1. Correction factor = LISN loss + Cable loss.



Test Mode:			Mode 1		-	Temp/Hum			24.8(°∁)/ 57%RH		
Phase:			Neutral			Test Date			June 19, 2023		
Test Vo	oltage:	-	120Vac, (	60Hz	Te	est Engir	neer	T	Tony Chao		
80.0 d								Limit			
-20 0.150		0.5		(h	4Hz)	5			30.000		
Frequency (MHz)	Quasi Peak reading dBuV)	Average reading (dBuV)	Correction factor (dB)	Quasi Peak result (dBuV)	Average result (dBuV)	Quasi Peak limit (dBuV)	Average limit (dBuV)	Quasi Peak margin (dB)	Average margin (dB)	Remark	
0.1780	44.25	30.40	0.20	44.45	30.60	64.58	54.58	-20.13	-23.98	Pass	
0.2500	34.32	26.25	0.19	34.51	26.44	61.76	51.76	-27.25	-25.32	Pass	
0.4140	33.84	31.19	0.19	34.03	31.38	57.57	47.57	-23.54	-16.19	Pass	
1.8100	28.70	26.07	0.24	28.94	26.31	56.00	46.00	-27.06	-19.69	Pass	
9.2860	24.98	16.92	0.37	25.35	17.29	60.00	50.00	-34.65	-32.71	Pass	
17.4140	19.25	10.18	0.47	19.72	10.65	60.00	50.00	-40.28	-39.35	Pass	

**Note:** 1. Correction factor = LISN loss + Cable loss.



Page: 18 / 107 Rev.: 03



**Note:** 1. Correction factor = LISN loss + Cable loss.



Test Mo	de:		Mode	1	-	Temp/Hu	ım	24.3	(°C)/ 529	%RH
Phase	e:		Neutra	al		Test Da	te	Aug	ust 8, 2	023
Test Volt	age:		240Vac, 9	50Hz	Te	est Engir	neer	T	ony Cha	0
80.0 dBu\	80.0 dBuV									
								Limit Limit	1: <u> </u>	
, Å	2	3								
30	'YAAPMA	MATA .	ellili	4 Vilao Jililia I	يلاير بله	5 A A	Munan	Ani		
		- W	w m		MAN	MW	* 7444	VY MAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	ma	
					¥_!				VV	
-20										
0.150		0.5		4)	(Hz)	5			30.000	
Frequency (MHz) r	Quasi Peak reading dBuV)	Average reading (dBuV)	Correction factor (dB)	Quasi Peak result (dBuV)	Average result (dBuV)	Quasi Peak limit (dBuV)	Average limit (dBuV)	Quasi Peak margin (dB)	Average margin (dB)	Remark
0.1860	40.58	27.83	0.20	40.78	28.03	64.21	54.21	-23.43	-26.18	Pass
0.2340	38.54	25.89	0.19	38.73	26.08	62.31	52.31	-23.58	-26.23	Pass
0.4380	35.66	32.85	0.19	35.85	33.04	57.10	47.10	-21.25	-14.06	Pass
1.6100 2	25.55	18.85	0.24	25.79	19.09	56.00	46.00	-30.21	-26.91	Pass
3.5020 2	28.89	24.12	0.30	29.19	24.42	56.00	46.00	-26.81	-21.58	Pass
6.7700 2	29.80	21.31	0.34	30.14	21.65	60.00	50.00	-29.86	-28.35	Pass

**Note:** 1. Correction factor = LISN loss + Cable loss.



Page: 20 / 107 Rev.: 03

## 4.26dB BANDWIDTH AND OCCUPIED BANDWIDTH (99%)

### 4.2.1 Test Limit

According to §15.247(a)(2)

#### 6 dB Bandwidth :

Limit

Shall be at least 500kHz

**Occupied Bandwidth(99%)** : For reporting purposes only.

### 4.2.2 Test Procedure

Test method Refer as ANSI C63.10: 2013,

- 1. The EUT RF output connected to the spectrum analyzer by RF cable.
- 2. Setting maximum power transmit of EUT
- 3. SA set RBW = 100kHz, VBW = 300kHz and Detector = Peak, to measurement 6 dB Bandwidth.
- 4. SA set RBW = 1% ~ 5% OBW, VBW = three times the RBW and Detector = Peak, to measurement 99% Bandwidth
- 5. Measure and record the result of 6 dB Bandwidth and 99% Bandwidth. in the test report.

### 4.2.3 Test Setup





Page: 21 / 107 Rev.: 03

### 4.2.4 Test Result

Temperature:	<b>22.3 ~ 25.4</b> ℃	Test date:	June 9 ~ 16, 2023
Humidity:	57 ~ 61% RH	Tested by:	Allen Shen

Test mode: IEEE 802.11b mode / 2412-2462 MHz								
Channel	Frequency (MHz)	6dB BW (kHz)	6dB limit (kHz)					
1	2412	13.150	9080.00					
6	2437	13.077	9095.00	≥500				
11	2462	13.032	9064.00					

Test mode: IEEE 802.11g mode / 2412-2462 MHz								
Channel	Frequency (MHz)	6dB BW (kHz)	6dB limit (kHz)					
1	2412	17.550	16340.00					
6	2437	17.589	16320.00	≥500				
11	2462	17.546	16340.00					

Test mode: IEEE 802.11n HT20 mode / 2412-2462 MHz								
Channel	I Frequency OBW (99%) (MHz) (MHz)		6dB BW (kHz)	6dB limit (kHz)				
1	2412	18.435	17580.00					
6	2437	18.502	17570.00	≥500				
11	2462	18.529	17570.00					

Test mode: IEEE 802.11n HT40 mode / 2422-2452 MHz								
Channel	nel Frequency OBW (99%) 6dB BW 6dB limit (MHz) (MHz) (kHz) (kHz)							
3	2422	36.906	36410.00					
6	2437	36.999	36410.00	≥500				
9	2452	36.978	36400.00					



Page: 22 / 107 Rev.: 03

#### Report No.: TMWK2305001705KR

## <u>Test Data</u> 6dB BANDWIDTH





Page: 23 / 107 Rev.: 03





Page: 24 / 107 Rev.: 03





Page: 25 / 107 Rev.: 03





#### Page: 26 / 107 Rev.: 03

## Test Data BANDWIDTH 99%





Page: 27 / 107 Rev.: 03





Page: 28 / 107 Rev.: 03





Page: 29 / 107 Rev.: 03





Page: 30 / 107 Rev.: 03

## **4.3 OUTPUT POWER MEASUREMENT**

### 4.3.1 Test Limit

According to §15.247(b)

#### Peak output power :

For systems using digital modulation in the 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt(30 dBm) and the e.i.r.p. shall not exceed 4Watt(36 dBm), base on the use of antennas with directional gain not exceed 6 dBi If transmitting antennas of directional gain greater than 6dBi are used the peak output power the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

Antenna not exceed 6 dBi : 30dBm
Antenna with DG greater than 6 dBi :
[Limit = 30 - (DG - 6)]
Point-to-point operation :

**Average output power** : For reporting purposes only.

### 4.3.2 Test Procedure

Test method Refer as ANSI C63.10:2013.

- 1. The EUT RF output connected to the power meter by RF cable.
- 2. Setting maximum power transmit of EUT.
- 3. The path loss was compensated to the results for each measurement.
- 4. Measure and record the result of Peak output power and Average output power. in the test report.

### 4.3.3 Test Setup





Page: 31 / 107 Rev.: 03

### 4.3.4 Test Result

Temperature:	<b>22.3 ~ 25.4</b> ℃	Test date:	June 9 ~ 16, 2023
Humidity:	57 ~ 61% RH	Tested by:	Allen Shen

#### **Peak Output Power**

802.11b Ch0								
СН	Freq. (MHz)	Data Rate	Power set	Peak Output Power (dBm)	Limit (dBm)	RESULT		
1	2412	1	72	21.01	30.00	PASS		
6	2437	1	76	22.02	30.00	PASS		
11	2462	1	69	19.76	30.00	PASS		

#### 802.11g Ch0

СН	Freq. (MHz)	Data Rate	Power set	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	6	55	23.20	30.00	PASS
6	2437	6	73	23.51	30.00	PASS
11	2462	6	58	23.13	30.00	PASS

### 802.11n\_HT\_20M Ch0

СН	Freq. (MHz)	Data Rate	Power set	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	53	23.02	30.00	PASS
6	2437	MCS0	73	23.59	30.00	PASS
11	2462	MCS0	57	23.11	30.00	PASS

#### 802.11n\_HT\_40M Ch0

••=									
СН	Freq. (MHz)	Data Rate	Power set	Peak Output Power (dBm)	Limit (dBm)	RESULT			
3	2422	MCS0	44	21.46	30.00	PASS			
6	2437	MCS0	54	22.37	30.00	PASS			
9	2452	MCS0	48	21.94	30.00	PASS			



Page: 32 / 107 Rev.: 03

802.11ac_VHT_20M Ch0									
СН	Freq. (MHz)	Data Rate	Power set	Peak Output Power (dBm)	Limit (dBm)	RESULT			
1	2412	MCS0	53	22.94	30.00	PASS			
6	2437	MCS0	73	23.51	30.00	PASS			
11	2462	MCS0	57	23.04	30.00	PASS			

802.11ac_VHT_40M Ch0									
СН	Freq.DataPower(MHz)Rateset		Peak Output Power (dBm)	Limit (dBm)	RESULT				
3	2422	MCS0	44	21.41	30.00	PASS			
6	2437	MCS0	54	22.29	30.00	PASS			
9	2452	MCS0	48	21.63	30.00	PASS			



#### Average Output Power

802.11b Ch0									
СН	Freq. (MHz)	Data Rate	Power set	Avg. Output Power (dBm)	Limit (dBm)	RESULT			
1	2412	1	72	18.31	30.00	PASS			
6	2437	1	76	19.65	30.00	PASS			
11	2462	1	69	17.12	30.00	PASS			

#### 802.11g Ch0

002.1									
СН	Freq. (MHz)	Data Rate	Power set	Avg. Output Power (dBm)	Limit (dBm)	RESULT			
1	2412	6	55	14.14	30.00	PASS			
6	2437	6	73	18.36	30.00	PASS			
11	2462	6	58	14.48	30.00	PASS			

#### 802.11n\_HT\_20M Ch0

СН	Freq. (MHz)	Data Rate	Power set	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	53	13.56	30.00	PASS
6	2437	MCS0	73	18.33	30.00	PASS
11	2462	MCS0	57	14.27	30.00	PASS

#### 802.11n\_HT\_40M Ch0

СН	Freq. (MHz)	Data Rate	Power set	Avg. Output Power (dBm)	Limit (dBm)	RESULT			
3	2422	MCS0	44	11.43	30.00	PASS			
6	2437	MCS0	54	13.47	30.00	PASS			
9	2452	MCS0	48	12.13	30.00	PASS			



Page: 34 / 107 Rev.: 03

802.11ac_VHT_20M Ch0									
СН	Freq. (MHz)	Data Rate	Power set	Avg. Output Power (dBm)	Limit (dBm)	RESULT			
1	2412	MCS0	53	13.48	30.00	PASS			
6	2437	MCS0	73	17.95	30.00	PASS			
11	2462	MCS0	57	14.19	30.00	PASS			

802.1	302.11ac_VHT_40M Ch0									
СН	Freq. (MHz)	Data Rate	Power set	Avg. Output Power (dBm)	Limit (dBm)	RESULT				
3	2422	MCS0	44	11.33	30.00	PASS				
6	2437	MCS0	54	13.45	30.00	PASS				
9	2452	MCS0	48	12.10	30.00	PASS				



Page: 35 / 107 Rev.: 03

## 4.4 POWER SPECTRAL DENSITY

### 4.4.1 Test Limit

According to §15.247(e)

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

	Antenna not exceed 6 dBi : 8dBm
Limit	Antenna with DG greater than 6 dBi :
	[Limit = 8 - (DG - 6)]
	Point-to-point operation :

### 4.4.2 Test Procedure

Test method Refer as ANSI C63.10:2013,

- 1. The EUT RF output connected to the spectrum analyzer by RF cable.
- 2. Setting maximum power transmit of EUT
- 3. SA set RBW = 3kHz, VBW = 10kHz, Span = 1.5 times DTS Bandwidth (6 dB BW), Detector = Peak, Sweep Time = Auto and Trace = Max hold.
- 4. The path loss were compensated to the results for each measurement by SA.
- 5. Mark the maximum level.
- 6. Measure and record the result of power spectral density. in the test report.

### 4.4.3 Test Setup





Page: 36 / 107 Rev.: 03

### 4.4.4 Test Result

Temperature:	<b>22.3 ~ 25.4</b> ℃	Test date:	June 9 ~ 16, 2023
Humidity:	57 ~ 61% RH	Tested by:	Allen Shen

POWER DENSITY 802.11b									
Freq. (MHz)	Ch0 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result					
2412	-4.32	-4.32	8.00	PASS					
2437	-1.79	-1.79	8.00	PASS					
2462	-5.44	-5.44	8.00	PASS					

POWER DENSITY 802.11g									
Freq. (MHz)	Ch0 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result					
2412	-10.044	-10.044	8.00	PASS					
2437	-3.68	-3.68	8.00	PASS					
2462	-9.13	-9.13	8.00	PASS					

POWER DENSITY 802.11n HT20					
Freq. (MHz)	Ch0 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result	
2412	-10.257	-10.257	8.00	PASS	
2437	-3.85	-3.85	8.00	PASS	
2462	-10.03	-10.03	8.00	PASS	

POWER DENSITY 802.11n HT40					
Freq. (MHz)	Ch0 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result	
2422	-16.02	-16.02	8.00	PASS	
2437	-14.99	-14.99	8.00	PASS	
2452	-15.65	-15.65	8.00	PASS	



### **Test Data:**





Page: 38 / 107 Rev.: 03





Page: 39 / 107 Rev.: 03





Page: 40 / 107 Rev.: 03





Page: 41 / 107 Rev.: 03

## 4.5 CONDUCTED BANDEDGE AND SPURIOUS EMISSION

### 4.5.1Test Limit

According to §15.247(d),

In any 100 kHz bandwidth outside the authorized frequency band,

Non-restricted bands shall be attenuated at least 20 dB/30 dB relative to the maximum PSD level in 100 kHz by RF conducted or a radiated measurement which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

### 4.5.2 Test Procedure

Test method Refer as ANSI C63.10:2013.

1. EUT RF output port connected to the SA by RF cable, and the path loss was compensated to result.

2. SA setting, RBW=100kHz, VBW=300kHz, Detector=Peak, Trace mode = max hold, SWT = Auto.

3. In any 100 kHz bandwidth outside the authorized frequency band, shall be attenuated at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when conducted power procedure is used. f the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

### 4.5.3 Test Setup





Page: 42 / 107 Rev.: 03

### 4.5.4 Test Result

Temperature:	<b>22.3 ~ 25.4</b> ℃	Test date:	June 9 ~ August 8, 2023
Humidity:	57 ~ 61% RH	Tested by:	Allen Shen

### Test Data

Reference Level		Band Edge			
Krysight Spectrum Analyzer - Swept SA     Set Sense: DrT ALIGN AUTO 111:48:01 PM     Ref 20 Ω 0C Sense: DrT ALIGN AUTO 111:48:01 PM     Constant France 2.04120(00:00,00) CH     Sense: DrT Version Characteristics	Jun 09, 2023 Frequency	Keysight Spectrum Analyzer - Swept SA     RL RF 50 Ω DC     Constor From 2 40000000	SENSE:INT	ALIGN AUTO 11:49:27 PM Jun 09, 2023	Frequency
PNO: Fast Free Run Trig: Free Run Hatten: 30 dB	PNNNN	Center Fred 2.4000000	PN0: Fast ++ Trig: Free Run IFGain:Low #Atten: 30 dB	TYPE NWWWWW DET P NN NN N	
Ref Offset 11.07 dB Mkr1 2.410 0	Auto Tune	Ref Offset 11.07 d	в	Mkr3 2.397 0 GHz -17.55 dBm	Auto Tune
	Center Freq			/1 M Muta	Center Freq
and the second second	2.412000000 GHz	0.00		0.1-7.34 (89)	2.400000000 GHz
	Start Freq	-10.0	And A	M <sub>r</sub>	Start Fred
-30.0	2.405184750 GHz	-30.0	Mart What	N. Mar	2.35000000 GHz
	Ston Free	-50.0 20000000000000000000000000000000000	mmwh	A way was	Ston Fred
-80.0	2.418815250 GHz	-60.0			2.45000000 GHz
Center 2.412000 GHz Span 13	.63 MHz CF Step	Center 2.40000 GHz		Span 100.0 MHz	CF Step
#Res BW 100 kHz #VBW 300 kHz Sweep 1.090 ms (1	364 pts) 1.363050 MHz Auto Man	#Res BW 100 kHz	#VBW 300 kHz	Sweep 1.000 ms (1001 pts)	10.000000 MHz Auto Man
1         N         1         f         (Δ)         2.410 00 GHz         (Δ)         12.66 dBm         2		1 N 1 f (Δ) 2 N 1 f	2.410 5 GHz (Δ) 12.90 dBm 2.400 0 GHz -27.30 dBm	TON FORCTON WOTH FUNCTION WELLE	
3 4 5	= 0 Hz	3 Ν 1 f (Δ) 4 5	2.397 0 GHz (Δ) -17.55 dBm		0 Hz
6 7	Scale Type	6 7			Scale Type
9 10	Log Lin	9 10			Log Lin
11 		11 K	п.	*	
Spurious Emission 30MHz	-25GHz				
Spurious Emission 30MHz	2-25GHz	-			
Spurious Emission 30MHz	2-25GHz	-			
Spurious Emission 30MHz           Roget Sector Moder: Sector           No. W 1940 B0           No. Trig: Free Run Registrice 30 d0	2-25GHz				
Spurious Emission 30MHz           Kypet Sectors Maker - Segrit & Soci.pt/ 4 40 40 50 200         Soci.pt/ 4 50 200         Aug Type Log-Par PloC fast - Trig: Free Run PloC fast - Trig: Free Run Battern: 80 d0         Aug Type Log-Par Aug Type Log-Par PloC fast - Trig: Free Run Battern: 80 d0         Aug Type Log-Par PloC fast - Trig: Free Run Battern: 80 d0         Aug Type Log-Par PloC fast - Trig: Free Run Battern: 80 d0         Aug Type Log-Par PloC fast - Trig: Free Run Battern: 80 d0         Migr 2.35 - 200	2-25GHz				
Spurious Emission 30MHz           Knight Statute Maker: Med 54         Statute Maker: Med 54           Knight Statute Maker: Med 54         Statute Maker: Med 54           Knight Statute Maker: Med 54         Statute Maker: Med 54           Knight Statute Maker: Med 54         Maker: Med 54           Knight Statute Maker: Med 54         Maker: Med 54           Marker: Mid 54         Maker: Mid 54           Marker: Mid 54         Marker: Mid 54	2-25GHz Frequency Bag GHz 3 dBm Center Freq				
Spurious Emission 30MHz	2-25GHz				
Spurious Emission 30MHz	2-25GHz				
Spurious Emission 30MHz	2-25GHz				
Spurious Emission 30MHz	2-25GHz				
Spurious Emission 30MHz	2-25GHz				
Spurious Emission 30MHz	2-25GHz				
Spurious Emission 30MHz	2-25GHz				
Spurious Emission 30MHz	2-25GHz				
Spurious Emission 30MHz	2-25GHz				
Spurious Emission 30MHz	2-25GHz				



Reference Level	Spurious Emissie	Spurious Emission 30MHz-25GHz		
Rengit/Spectrum Andyor - Server 3A         550045 (2011)         4,100 an/10         1133/39140An/R3,2020           NL         Server 3A         Avg Type: Log-Pur         Thereal [1::::::::::::::::::::::::::::::::::::	Ling Stand Standard S	x.00 x800         113200 MMx/08 2023           Avg Type: Log-Pwr         Trict[]::::::::::::::::::::::::::::::::::::		
Ref Offset 11.07 dB Mkr1 2.435 500 GHz 0 dB/dW Ref 20.00 dBm 13.037 dBm 13.037 dBm	Ref Offset 11.07 dB 10 dB/div Ref 20.00 dBm	Mkr4 24.415 GHz -40.51 dBm		
100 m m m m m m m m m m m m m m m m m m	200000 GHz 00000 GHZ 0000 GHZ 00000 GHZ 0000 GHZ 00000 GHZ 0000 GHZ 00000 GHZ 0000 GHZ 00000 GHZ 0000 GHZ 00000 GHZ 000000 GHZ 00000 GHZ 00000 GHZ 00000 GHZ 00000 GHZ 00000 GHZ 000000 GHZ 000000 GHZ 000000 GHZ 00000 GHZ 00000000 GHZ 00000 GHZ 000000 GHZ 00000 GHZ 00000000 GHZ 0000000000			
	Start Freq 200	Start Freq 30.000000 MHz		
	500	Stop Freq 25.00000000 GHz		
Center 2.437000 GHz Span 13.64 MHz Res BW 100 kHz #VBW 300 kHz Sweep 1.000 ms (1365 pts)	CF Step 64250 MHz #VBW 300 kHz Man	Span 24.97 GHz Sweep 81.57 ms (24971 pts) 249700000 GHz Auto Mar		
Νορ Μαρί της Ιολ.         X         Y         Fauction         Fauction water         Fau	1         N         1         K         1         M         1	Freq Offset		
6 7 8 9	Cale Type 9	Scale Type		
	11 e 1	filestatus		



Page: 44 / 107 Rev.: 03





Page: 45 / 107 Rev.: 03





Reference Level	Spurious Emission 30MHz-25GH
November Sensets         SENSE 2011         ALDIN APTO 1014113 PM Jun 05, 2021           Nu         91.0         SC         SENSE 2011         ALDIN APTO 101413 PM Jun 05, 2021           Center Freq 2.2337000000 GHz         The Final Ann         Ang Type: Log-Perr         Novel [] 2.3.3.5	Image: Second
To debidiv      Ref 20.00 dBm	Auto Tune Ref Orivet 10 (10 km store) 4Attain: 30 dB collection 4Attain: 30 dB Attain:
100 100 100 100 100 100 100 100	Center Freq 200 012 25500000 GHz 255000000 GHZ 2550000000 GHZ 2550000000 GHZ 2550000000 GHZ 25500000000 GHZ 2550000000 GHZ 2550000000000 GHZ 25500000000000000000000000000000000000
300 Ween Ween Ween Ween Ween Ween Ween We	Start Freq
400	Stop Freq         00         Stop
Center 2.43700 GHz         Span 24.48 MHz           #Res BW 100 kHz         #VBW 300 kHz         Sweep 1.142 ms (2449 pts)           000 0xx00 first 5x1         x         Y         Future for the second	2.450 bits         Span 24.97 GHz         Span 24.97 GHz         Span 24.97 GHz         2.970000           do         Mm         Center 12.52 GHz         #VBW 300 kHz         Sweep 81.57 ms (2497 pts)         2.9570000           do         Mm         Center 10.52 GHz         x         Autocom         Autocom         Autocom
N 1 f (Δ) 2.430 74 GHz (Δ) 8.90 dBm 3 4 5	Freq Offset         1         N         f         (JA)         2.248 GHz         (JA) dBm         (JA)
9 10	Scale Type 3 Scale g Lin 10 Log



Page: 47 / 107 Rev.: 03





Page: 48 / 107 Rev.: 03





Reference Level		Spurious Emission 30MHz-25GHz		
Knjugit Spectrum Ankjon: Swept SA         SDNS (2011         ALDM AUTO         (19/23+65 PPC) m (8, 2022)           # AL         47         590 and 0         Trig: Free Run         Avg Type: Log-Per         TMACE[1: 3: 4: 5: 6: 7: 100]           ECenter Freg 2.437000000 GHz         Trig: Free Run         Avg Type: Log-Per         TMACE[1: 3: 4: 5: 6: 7: 100]           FR0: Free Run         Avg Type: Log-Per         TMACE[1: 3: 4: 5: 6: 7: 100]         TMACE[1: 3: 4: 5: 6: 7: 100]	Frequency	Prysight Spectrum Analyzer - Swart SA     Structure     M	ALIGN AUTO 10:30:46 PH Jun 69, 2023 Avg Type: Log-Pwr TRACE []: 3 4 5 6 TRACE []: 1 4 5 6 TRACE []: 1 4 5 6	Frequency
Ref Offset 11.07 dB Mkr1 2.430 751 GHz 10 dBidiv Ref 20.00 dBm 8.88 dBm	Auto Tune	Ref Offset 11.07 dB 10 dB/div Ref 20.00 dBm	Mkr4 24.144 GHz -40.83 dBm	Auto Tur
	Center Freq 2.437000000 GHz	100 000		Center Fre 12.515000000 GH
320 Weet/Weet	Start Freq 2.423822500 GHz	400 Q2 Q3	<b>↓</b>	Start Fre 30.000000 M⊦
400	Stop Freq 2.450177500 GHz	600		Stop Fre 25.000000000 GF
Center 2.43700 GHz         Span 26.36 MHz           #Res BW 100 kHz         #VBW 300 kHz         Sweep 1.054 ms (2637 pts)           Model Mad Res         x         Public on the sector state of the sector	CF Step 2.635500 MHz uto Man	Center 12.52 GHz #Res BW 100 kHz #VBW 300 kHz	Span 24.97 GHz Sweep 81.57 ms (24971 pts)	CF Ste 2.497000000 GH uto Ma
N 1 T (Δ) 2.430 /31 GH2 (Δ) 8.88 0Bm 3 4 5 6	Freq Offset 0 Hz	1         N         1         f         (Δ)         2.430 GHz         Δ)         6.96 dBm           2         N         1         f         4.874 GHz         .45.10 dBm           3         N         1         f         (Δ)         7.311 GHz         (Δ)         4.922 dBm           3         N         1         f         (Δ)         7.311 GHz         (Δ)         4.922 dBm           3         N         1         f         24.144 GHz         40.83 dBm         5		Freq Offs 0 ⊦
7	Scale Type	6 7 8		Scale Typ
11		10	- L	og L
MSG to STATUS		King History H	,	



Page: 50 / 107 Rev.: 03

