

FCC Test Report

FCC ID : MXF-MHB100

Equipment : Tabs Mini Hub

Model No. : TBMH100

Brand Name : Tabs

Applicant : Gemtek Technology Co., Ltd.

Address : No. 15-1 Zhonghua Road, Hsinchu Industrial

Park, Hukou, Hsinchu, Taiwan, 30352.

Standard : 47 CFR FCC Part 15.247

Received Date : Nov. 20, 2018

Tested Date : Nov. 28 ~ Dec. 20, 2018

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by: Approved by:

Along Chen / Assistant Manager Gary Chang / Manager

TAF

Testing Laboratory

Report No.: FR8N2002 Page: 1 of 35



Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information	
1.2	Local Support Equipment List	
1.3	Test Setup Chart	
1.4	The Equipment List	
1.5	Test Standards	
1.6	Deviation from Test Standard and Measurement Procedure	g
1.7	Measurement Uncertainty	g
2	TEST CONFIGURATION	10
2.1	Testing Condition	10
2.2	The Worst Test Modes and Channel Details	10
3	TRANSMITTER TEST RESULTS	11
3.1	Conducted Emissions	11
3.2	6dB and Occupied Bandwidth	16
3.3	RF Output Power	19
3.4	Power Spectral Density	21
3.5	Unwanted Emissions into Restricted Frequency Bands	23
3.6	Emissions in Non-Restricted Frequency Bands	33
4	TEST LABORATORY INFORMATION	35



Release Record

Report No.	Version	Description	Issued Date
FR8N2002	Rev. 01	Initial issue	Jan. 10, 2019

Report No.: FR8N2002 Page: 3 of 35



Summary of Test Results

FCC Rules	Test Items	Measured	Result
		[dBuV]: 0.708MHz 52.40 (Margin -3.60dB) - QP	Pass
15.247(d)	Radiated Emissions	[dBuV/m at 3m]: 60.07MHz	Pass
15.209	Radiated Effissions	35.87 (Margin -4.13dB) - PK	F 455
15.247(b)(3) Maximum Output Power Max Power [dBm]: 26.26		Max Power [dBm]: 26.26	Pass
15.247(a)(2)	6dB Bandwidth	Meet the requirement of limit	Pass
15.247(e)	Power Spectral Density	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared values of gain for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of the gain.

Report No.: FR8N2002 Page: 4 of 35



General Description 1

Information 1.1

1.1.1 **Specification of the Equipment under Test (EUT)**

	RF General Information						
Frequency Range (MHz)	Ch. Freq. (MHz)	Channel Number	Data Rate (bit/sec)	Spread Factor	Channel Bandwidth (kHz)		
902 ~ 928	923.3 ~ 927.5	1 ~ 8 [8]	980 ~ 21900	12 ~ 7	500		

Note 1: RF output power specifies that Maximum Conducted (Average) Output Power. Note 2: The device uses CSS modulation.

1.1.2 Antenna Details

Ant. No.	Туре	Connector	Gain (dBi)
1	PIFA	IPEX	0

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	100-240Vac , 5Vdc / 2A
-------------------	------------------------

1.1.4 Accessories

	Accessories				
No.	No. Equipment Description				
1	USB cable	1m shielded without core			

Report No.: FR8N2002 Page: 5 of 35



1.1.5 Channel List

Channel	Frequency(MHz)
1	923.3
2	923.9
3	924.5
4	925.1
5	925.7
6	926.3
7	926.9
8	927.5

1.1.6 Test Tool and Duty Cycle

Test Tool	PUTTY, V0.60	
Duty Cycle and Duty Factor	Duty Cycle (%)	Duty Factor (dB)
Duty Cycle and Duty Factor	98.47%	0.07

1.1.7 Power Index of Test Tool

Modulation Mode	Test Frequency (MHz)	
	923.3	927.5
CSS	27	27

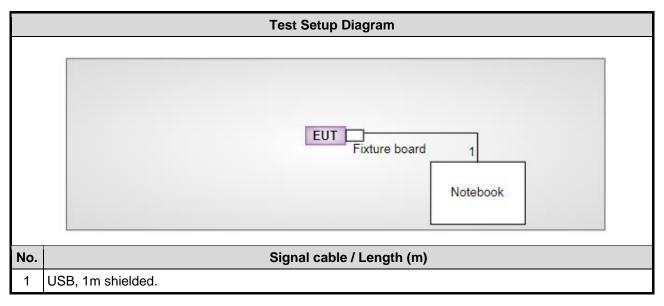
Report No.: FR8N2002 Page: 6 of 35



1.2 Local Support Equipment List

	Support Equipment List						
No. Equipment Brand Model FCC ID Remarks							
1	Notebook	DELL	Latitude E6430	DoC			
2	Fixture board				Provided by applicant.		

1.3 Test Setup Chart



Report No.: FR8N2002 Page: 7 of 35



1.4 The Equipment List

Test Item	Conducted Emission	Conducted Emission					
Test Site	Test Site Conduction room 1 / (CO01-WS)						
Tested Date Dec. 07, 2018							
Instrument Manufacturer Model No. Serial No. Calibration Date Calib							
Receiver	R&S	ESR3	101657	Jan. 05, 2018	Jan. 04, 2019		
LISN	SCHWARZBECK	Schwarzbeck 8127	8127-667	Nov. 05, 2018	Nov. 04, 2019		
RF Cable-CON	EMC	EMCCFD300-BM-B M-6000	50821	Dec. 18, 2017	Dec. 17, 2018		
Measurement Software	AUDIX	e3	6.120210k	NA	NA		
Note: Calibration Interval of instruments listed above is one year.							

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03Cl	H01-WS)			
Tested Date	Nov. 28, 2018				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101498	Dec. 04, 2017	Dec. 03, 2018
Receiver	Agilent	N9038A	MY53290044	Sep. 17, 2018	Sep. 16, 2019
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jul. 18, 2018	Jul. 17, 2019
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Dec. 20, 2017	Dec. 19, 2018
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 15, 2018	Nov. 14, 2019
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 09, 2018	Nov. 08, 2019
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 08, 2018	Oct. 07, 2019
Preamplifier	EMC	EMC02325	980225	Jul. 20, 2018	Jul. 19, 2019
Preamplifier	Agilent	83017A	MY39501308	Oct. 04, 2018	Oct. 03, 2019
Preamplifier	EMC	EMC184045B	980192	Aug. 09, 2018	Aug. 08, 2019
RF Cable	EMC	EMC104-SM-SM-80 00	181106	Oct. 08, 2018	Oct. 07, 2019
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Oct. 08, 2018	Oct. 07, 2019
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16014/4	Oct. 08, 2018	Oct. 07, 2019
LF cable 1M	EMC	EMCCFD400-NM-N M-1000	16052	Oct. 08, 2018	Oct. 07, 2019
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 08, 2018	Oct. 07, 2019
LF cable 10M	Woken	CFD400NL-LW	CFD400NL-002	Oct. 08, 2018	Oct. 07, 2019
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Inter	rval of instruments liste	d above is one year.			

Report No.: FR8N2002 Page: 8 of 35



Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Dec. 20, 2018				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101063	Apr. 16, 2018	Apr. 15, 2019
Spectrum Analyzer	R& S	FSV40	101499	Jan. 03, 2018	Jan. 02, 2019
Power Meter	Anritsu	ML2495A	1241002	Oct. 09, 2018	Oct. 08, 2019
Power Sensor	Anritsu	MA2411B	1207366	Oct. 09, 2018	Oct. 08, 2019
DC POWER SOURCE	GW INSTEK	GPC-6030D	EM892433	Oct. 25, 2018	Oct. 24, 2019
AC POWER SOURCE	APC	AFC-500W	F312060012	Nov. 29, 2018	Nov. 28, 2019
Measurement Software	Sporton	Sporton_1	1.3.30	NA	NA
Note: Calibration Inte	rval of instruments liste	d above is one year.	•	•	

1.5 Test Standards

According to the specification of EUT, the EUT must comply with following standards and KDB documents.

47 CFR FCC Part 15.247

ANSI C63.10-2013

FCC KDB 558074 D01 15.247 Meas Guidance v05

1.6 Deviation from Test Standard and Measurement Procedure

None

1.7 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Measurement Uncertainty	
Parameters	Uncertainty
Bandwidth	±34.134 Hz
Conducted power	±0.808 dB
Power density	±0.463 dB
Conducted emission	±2.670 dB
AC conducted emission	±2.90 dB
Radiated emission ≤ 1GHz	±3.66 dB
Radiated emission > 1GHz	±5.63 dB

Report No.: FR8N2002 Page: 9 of 35



2 Test Configuration

2.1 Testing Condition

Test Item	Test Site	Ambient Condition	Tested By
AC Conduction	CO01-WS	24°C / 58%	Steve Chin
Radiated Emissions	03CH01-WS	22°C / 66%	Akun Chung
RF Conducted	TH01-WS	22°C / 66%	Aska Huang

FCC Designation No.: TW2732
 FCC site registration No.: 181692
 IC site registration No.: 10807A-1

2.2 The Worst Test Modes and Channel Details

Test item	Test Frequency (MHz)	Channel Bandwidth (kHz)	Modulation / SF
Conducted Emissions			
Maximum Output Power			
6dB Bandwidth			
Power Spectral Density	923.3 / 927.5	500	CSS / 12
Radiated Emissions ≤1GHz			
Radiated Emissions >1GHz			
Conducted Emissions			

NOTE:

The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement -X, Y, and Z-plane. The Y-plane results were found as the worst case and were shown in this report.

Report No.: FR8N2002 Page: 10 of 35



3 Transmitter Test Results

3.1 Conducted Emissions

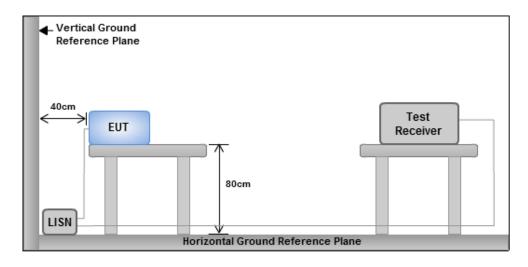
3.1.1 Limit of Conducted Emissions

	Conducted Emissions Limit	
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarith	nm of the frequency.	

3.1.2 Test Procedures

- 1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
- 2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
- 3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
- 4. This measurement was performed with AC 120V / 60Hz.

3.1.3 Test Setup



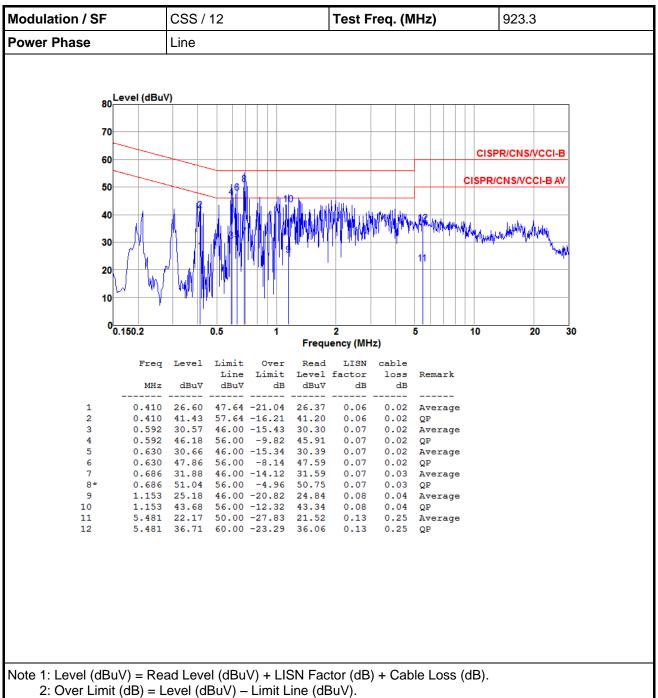
Note: 1. Support units were connected to second LISN.

Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

Report No.: FR8N2002 Page: 11 of 35

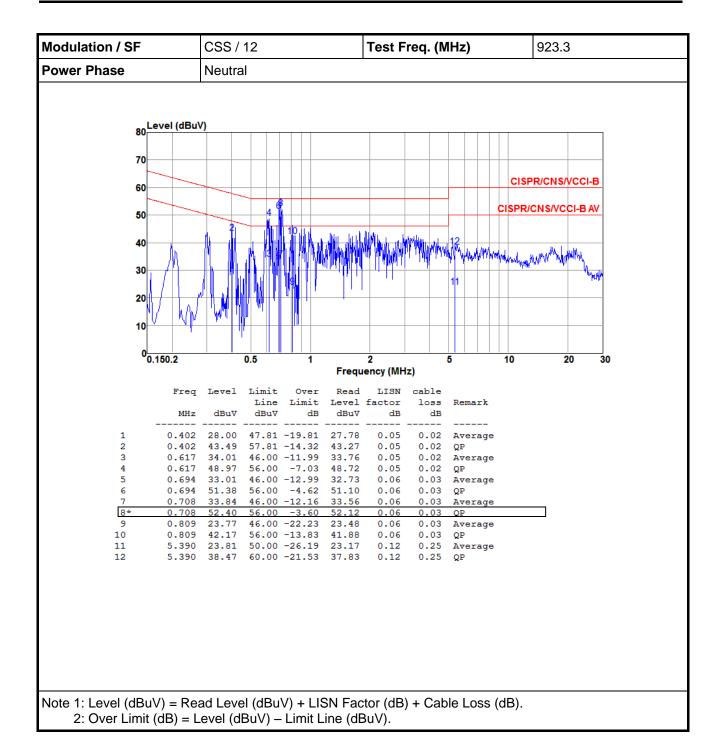


3.1.4 **Test Result of Conducted Emissions**



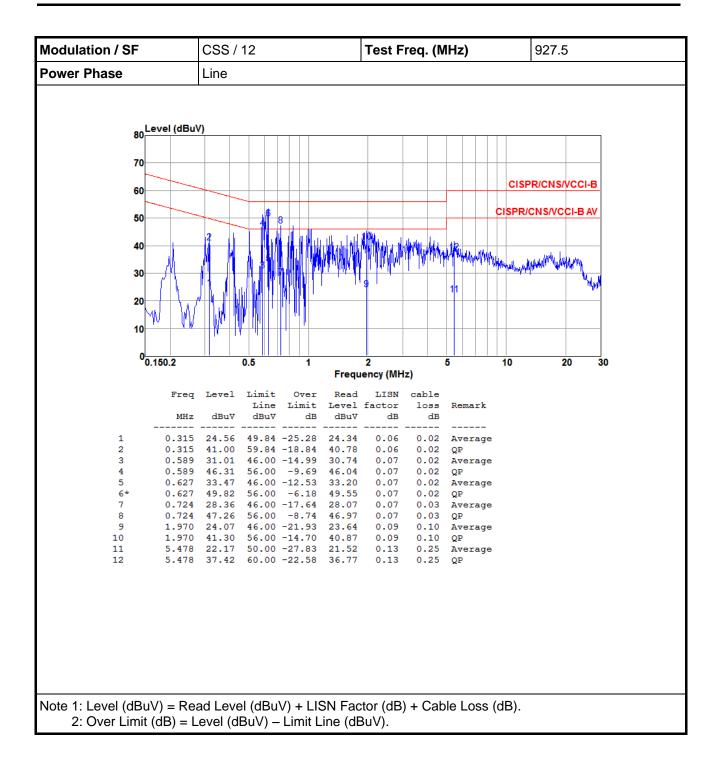
Report No.: FR8N2002 Page: 12 of 35





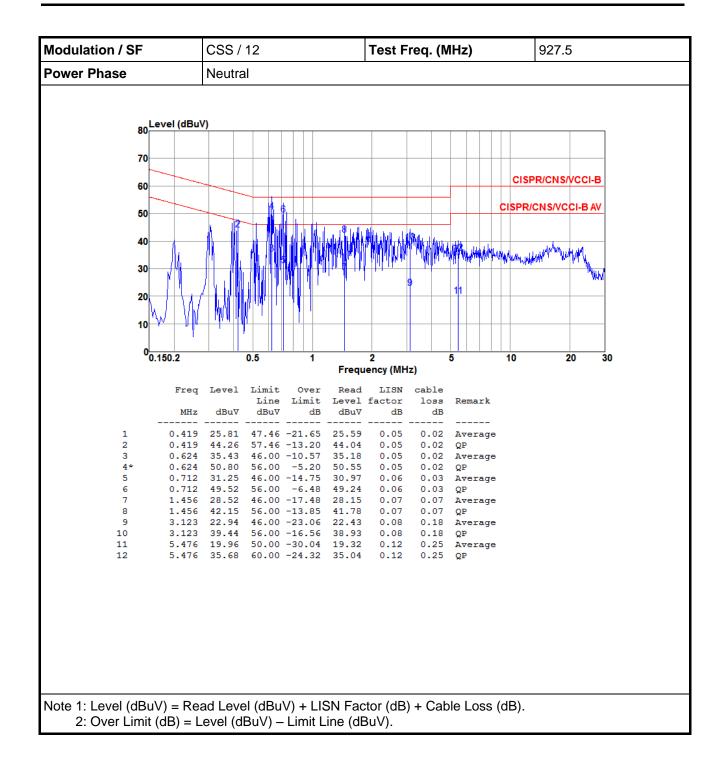
Report No.: FR8N2002 Page: 13 of 35





Report No.: FR8N2002 Page: 14 of 35





Report No.: FR8N2002 Page: 15 of 35



3.2 6dB and Occupied Bandwidth

3.2.1 Limit of 6dB Bandwidth

The minimum 6dB bandwidth shall be at least 500 kHz.

3.2.2 Test Procedures

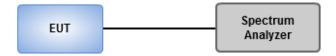
6dB Bandwidth

- 1. Set resolution bandwidth (RBW) = 100 kHz, Video bandwidth = 300 kHz.
- 2. Detector = Peak, Trace mode = max hold.
- 3. Sweep = auto couple, Allow the trace to stabilize.
- 4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6dB relative to the maximum level measured in the fundamental emission.

Occupied Bandwidth

- 1. Set resolution bandwidth (RBW) = 10kHz, Video bandwidth = 30kHz.
- 2. Detector = Sample, Trace mode = max hold.
- 3 Sweep = auto couple, Allow the trace to stabilize.
- 4. Use the OBW measurement function of spectrum analyzer to measure the occupied bandwidth.

3.2.3 Test Setup

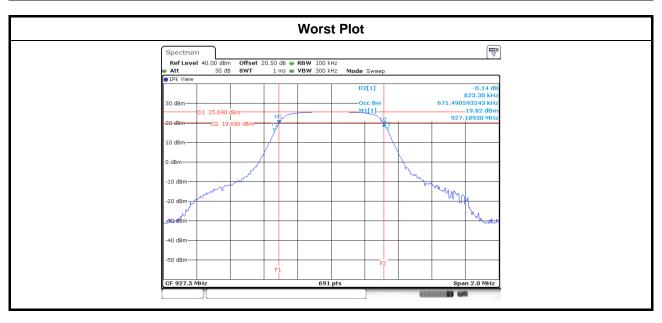


Report No.: FR8N2002 Page: 16 of 35



3.2.4 Test Result of 6dB and Occupied Bandwidth

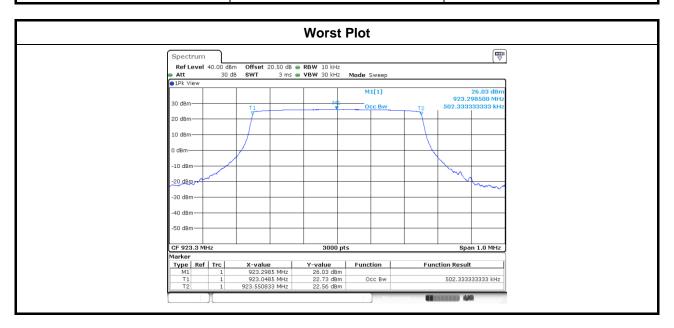
Modulation / SF	Freq. (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
CSS / 12	923.3	0.628	0.5
CSS / 12	927.5	0.623	0.5



Report No.: FR8N2002 Page: 17 of 35



Modulation / SF	Freq. (MHz)	99% Occupied Bandwidth (MHz)
CSS / 12	923.3	0.502
CSS / 12	927.5	0.502



Report No.: FR8N2002 Page: 18 of 35



3.3 RF Output Power

3.3.1 Limit of RF Output Power

Conducted power shall not exceed 1Watt. Antenna gain <= 6dBi, no any corresponding reduction is in output power limit.</p> ☐ Antenna gain > 6dBi Transmitting antennas of directional gain greater than 6 dBi are used, 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 3.3.2 **Test Procedures** Maximum Peak Conducted Output Power □ Spectrum analyzer Set RBW = 1MHz, VBW = 3MHz, Detector = Peak. Sweep time = auto, Trace mode = max hold, Allow trace to fully stabilize. Use the spectrum analyzer channel power measurement function with the band limits set equal to the DTS bandwidth edges. Power meter A broadband Peak RF power meter is used for output power measurement. The video bandwidth of power meter is greater than DTS bandwidth of EUT. If duty cycle of test signal is not 100 %, trigger and gating function of power meter will be enabled to capture transmission burst for measuring output power. Maximum Conducted Output Power Nower meter A broadband Average RF power meter is used for output power measurement. The video bandwidth of power meter is greater than DTS bandwidth of EUT. If duty cycle of test signal is

3.3.3 Test Setup

burst for measuring output power.



not 100 %, trigger and gating function of power meter will be enabled to capture transmission

Report No.: FR8N2002 Page: 19 of 35



3.3.4 Test Result of Maximum Output Power

Modulation / SF	Freq. (MHz)	Output Power (mW)	Output Power (dBm)	Limit (dBm)
CSS / 12	923.3	422.6686	26.26	30
CSS / 12	927.5	387.2576	25.88	30

Report No.: FR8N2002 Page: 20 of 35



3.4 Power Spectral Density

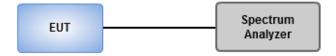
3.4.1 Limit of Power Spectral Density

Power spectral density shall not be greater than 8 dBm in any 3 kHz band.

3.4.2 Test Procedures

- Maximum peak conducted output power was used to demonstrate compliance to the fundamental output power limit.
 - Set the RBW = 3kHz, VBW = 10kHz.
 - Detector = Peak, Sweep time = auto couple.
 - 3. Trace mode = max hold, allow trace to fully stabilize.
 - 4. Use the peak marker function to determine the maximum amplitude level.
- Maximum (average) conducted output power was used to demonstrate compliance to the fundamental output power limit.
 - 1. Set the RBW = 3kHz, VBW = 10 kHz.
 - 2. Detector = RMS, Sweep time = auto couple.
 - 3. Employ trace averaging (RMS) mode over a minimum of 100 traces
 - 4. Use the peak marker function to determine the maximum amplitude level.

3.4.3 Test Setup

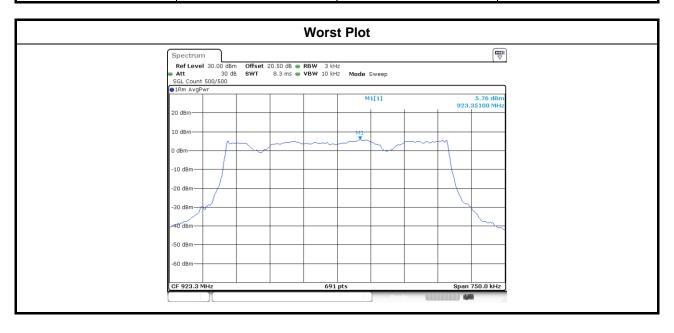


Report No.: FR8N2002 Page: 21 of 35



3.4.4 Test Result of Power Spectral Density

Modulation / SF	Freq. (MHz)	Total Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)
CSS / 12	923.3	5.76	8.00
CSS / 12	927.5	5.04	8.00



Report No.: FR8N2002 Page: 22 of 35



3.5 Unwanted Emissions into Restricted Frequency Bands

3.5.1 Limit of Unwanted Emissions into Restricted Frequency Bands

Restricted Band Emissions Limit							
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)				
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300				
0.490~1.705	24000/F(kHz)	33.8 - 23	30				
1.705~30.0	30	29	30				
30~88	100	40	3				
88~216	150	43.5	3				
216~960	200	46	3				
Above 960	500	54	3				

Note 1:

Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit **Note 2**:

Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

3.5.2 Test Procedures

- 1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
- 2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
- 3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

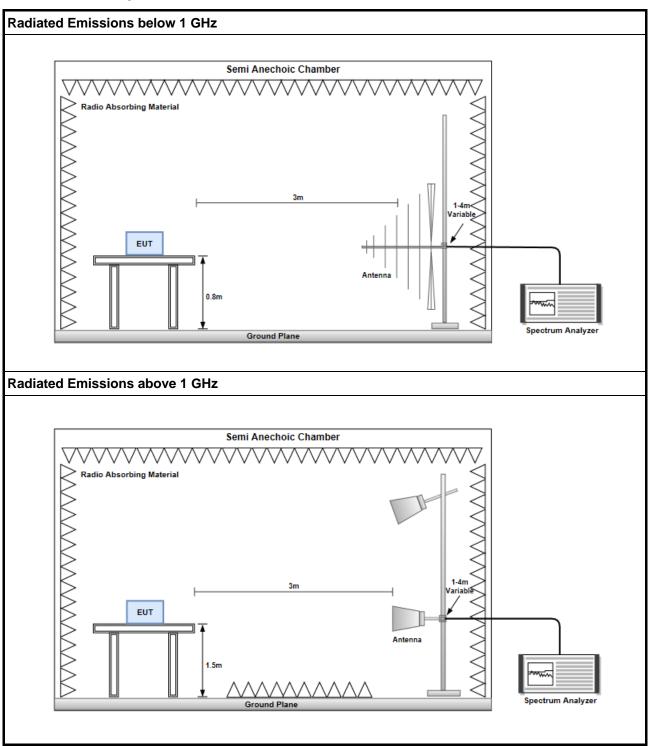
Note:

- 1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
- 2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
- RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

Report No.: FR8N2002 Page: 23 of 35



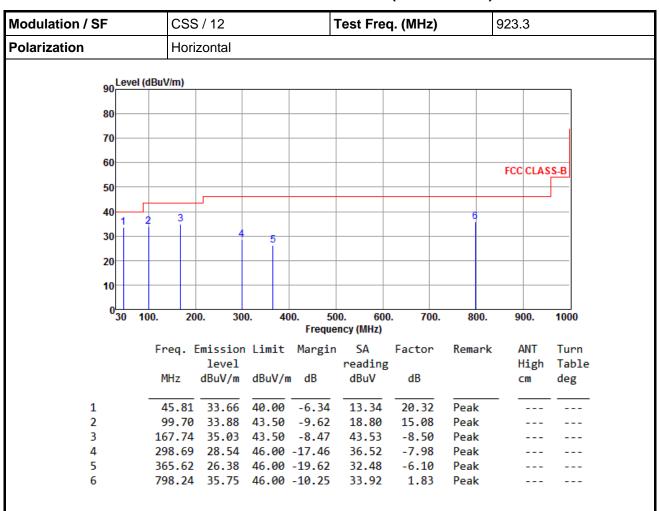
3.5.3 Test Setup



Report No.: FR8N2002 Page: 24 of 35



3.5.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)



Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

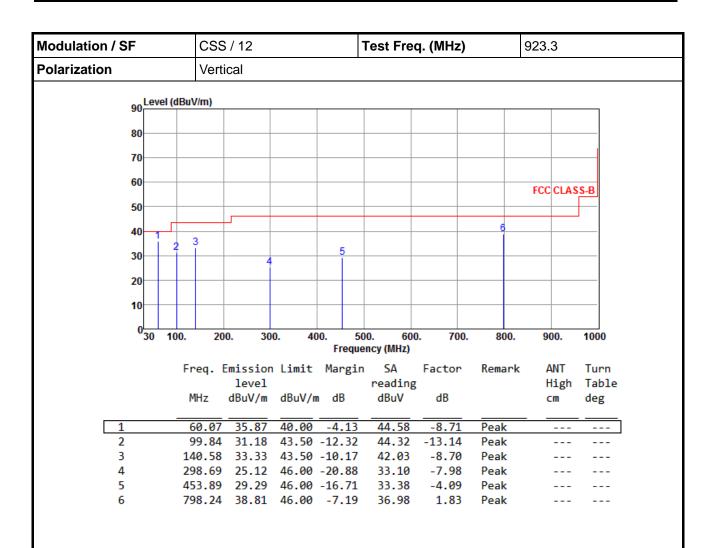
*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Report No.: FR8N2002 Page: 25 of 35





Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Report No.: FR8N2002 Page: 26 of 35



Modulation / SF	CSS / 12		Test Fred	q. (MHz)	!	927.5	
Polarization	Horizontal				•		
90 Level (dBu	V/m)						
90							
80							
70							
70							
60						FCC CLAS	
50						FCC CLAS	2-В
50							
40	3				6		
30							
30		4 1					
20							
10							
10							
0 30 100.	200. 30		00. 600 ency (MHz)	. 700.	800.	900.	1000
_	noa Emission	Limit Margi		Factor	Remark	ANT	Turn
Г	level	CIMIC Margin	reading		Kelliark	High	Table
I		dBuV/m dB	dBuV	dB		cm	deg
_	45.81 33.66	40.00 -6.34	13.34	20.32	Peak		
	99.70 33.88	43.50 -9.62	18.80	15.08	Peak		
_	67.74 35.03		43.53	-8.50	Peak		
		46.00 -20.80 46.00 -18.89		-7.59 -4.66	Peak Peak		
	24.79 27.11 38.01 34.85	46.00 -18.89	31.77 32.21	2.64	Peak Peak		

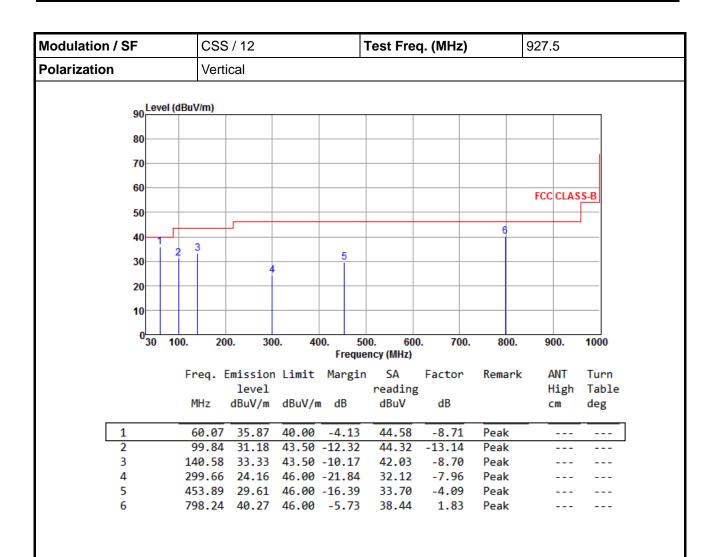
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
 *Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Report No.: FR8N2002 Page: 27 of 35





Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

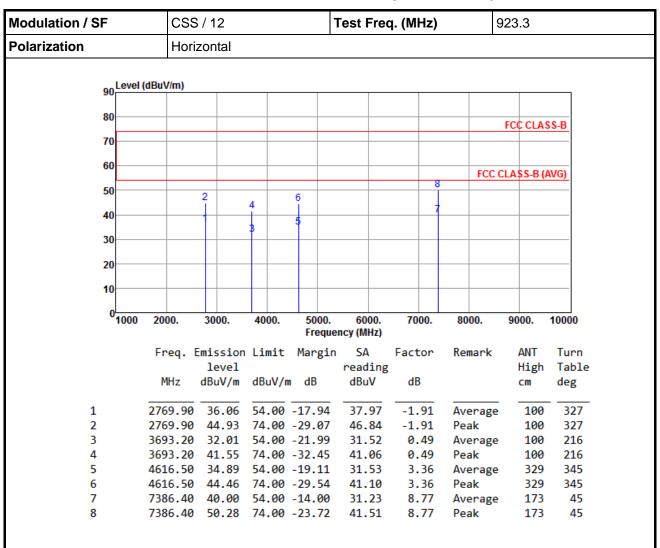
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Report No.: FR8N2002 Page: 28 of 35



3.5.5 Transmitter Radiated Unwanted Emissions (Above 1GHz)



Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Report No.: FR8N2002 Page: 29 of 35



Modulation / SF Polarization		CSS / 12			-	Test Freq. (MHz)			923.3	
		Vertical								
	90 Level	l (dBuV/m)								
	80								FCC CLA	SS-B
	70									
	60							FCC (CLASS-B (AVG)
	50		2		6		8			
	40		Ī	4	ĭ		1			
	40		1	3	5					
	30			+-						
	20									
	20									
	10									
	0									
	1000	2000.	3000.	4000.	5000. Freque	6000. ency (MHz)	7000.	8000.	9000.	10000
		Frea.	Emission	Limit			Factor	Remark	ANT	Turn
			level			reading			High	
		MHz	dBuV/m	dBuV/r	n dB	dBuV	dB		cm	deg
1	L	2769.90	35.34	54.00	-18.66	37.25	-1.91	Average	189	162
2	2	2769.90	45.54	74.00	-28.46	47.45	-1.91	Peak	189	162
3		3693.20			-22.06	31.45	0.49	Average		
4		3693.20			-32.00	41.51	0.49	Peak	100	
-		4616.50			-19.12	31.52	3.36	Average		186
6		4616.50 7386.40			-29.27 -12.90	41.37 32.33	3.36 8.77	Peak Average	236 100	186 228
,		7300.40	41.10	34.00	-12.50	32.33	0.77	Average	100	220

Peak

228

100

8.77

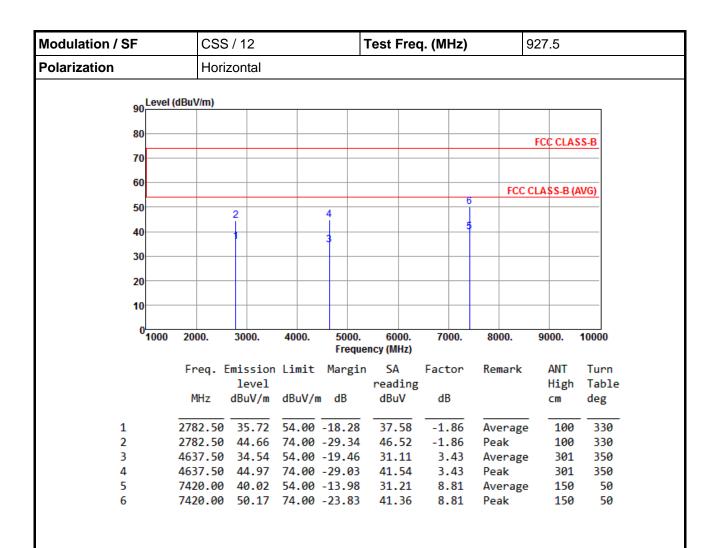
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

7386.40 50.88 74.00 -23.12 42.11

*Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Report No.: FR8N2002 Page: 30 of 35





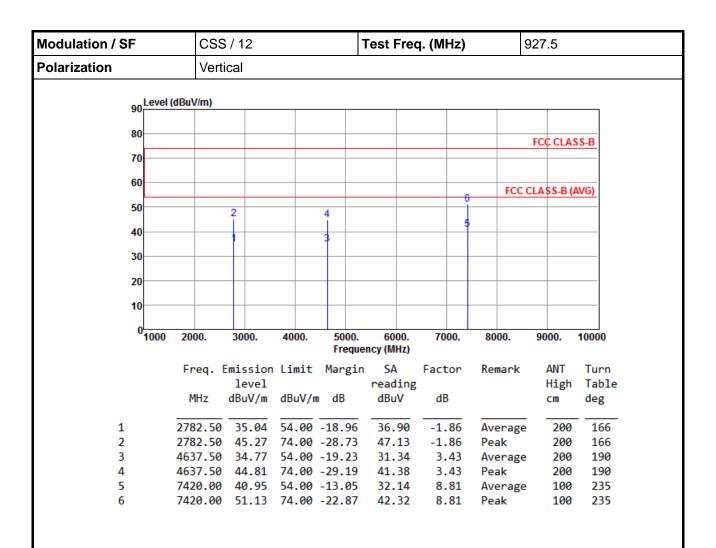
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Report No.: FR8N2002 Page: 31 of 35





Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Report No.: FR8N2002 Page: 32 of 35



3.6 Emissions in Non-Restricted Frequency Bands

3.6.1 Emissions in Non-Restricted Frequency Bands Limit

Peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz

3.6.2 Test Procedures

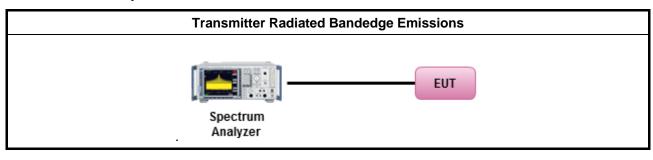
Reference level measurement

- 1. Set RBW=100kHz, VBW = 300kHz, Detector = Peak, Sweep time = Auto
- 2. Trace = max hold, Allow Trace to fully stabilize
- 3. Use the peak marker function to determine the maximum PSD level

Emission level measurement

- 1. Set RBW=100kHz, VBW = 300kHz, Detector = Peak, Sweep time = Auto
- Trace = max hold , Allow Trace to fully stabilize
- 3. Scan Frequency range is up to 10GHz
- 4. Use the peak marker function to determine the maximum amplitude level

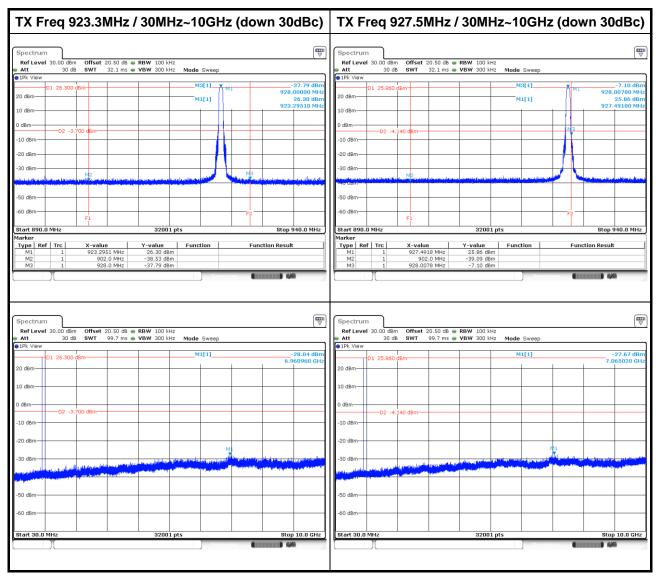
3.6.3 Test Setup



Report No.: FR8N2002 Page: 33 of 35



3.6.4 Unwanted Emissions into Non-Restricted Frequency Bands



Report No.: FR8N2002 Page: 34 of 35



4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website http://www.icertifi.com.tw.

Linkou

Tel: 886-2-2601-1640 No. 30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan, R.O.C.

Kwei Shan

Tel: 886-3-271-8666 No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.

Kwei Shan Site II

Tel: 886-3-271-8640 No. 14-1, Lane 19, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666 Fax: 886-3-318-0155

Email: ICC_Service@icertifi.com.tw

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Report No.: FR8N2002 Page: 35 of 35