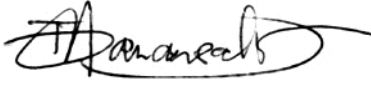


RF TEST REPORT



Report No.: FCC_RF_SL16012101-SOL-001_UNII
Supersede Report No.: None

Applicant	:	Compex Systems Pte Ltd.
Product Name	:	SkyWay Excel/Access System
Model No.	:	AS5810/XL5810
Test Standard	:	47 CFR 15.407
Test Method	:	ANSI C63.10: 2013 789033 D02 General UNII Test Procedures New Rules v01
FCC ID	:	TK4WLM200N5-23ESD
Dates of test	:	03/04/2016 – 04/13/2016
Issue Date	:	04/14/2016
Test Result	:	☒ Pass ☐ Fail
Equipment complied with the specification [X] Equipment did not comply with the specification []		

This Test Report is Issued Under the Authority of:	
	
Teody Manansala	Chen Ge
Test Engineer	Engineer Reviewer
This test report may be reproduced in full only Test result presented in this test report is applicable to the tested sample only	

Issued By:
SIEMIC Laboratories
775 Montague Expressway, Milpitas, 95035 CA



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Laboratory Introduction

SIEMIC, headquartered in the heart of Silicon Valley, with superior facilities in US and Asia, is one of the leading independent testing and certification facilities providing customers with one-stop shop services for Compliance Testing and Global Certifications.



In addition to testing and certification, SIEMIC provides initial design reviews and compliance management throughout a project. Our extensive experience with China, Asia Pacific, North America, European, and International compliance requirements, assures the fastest, most cost effective way to attain regulatory compliance for the global markets.

Accreditations for Conformity Assessment

Country/Region	Accreditation Body	Scope
USA	FCC, A2LA	EMC, RF/Wireless, Telecom
Canada	IC, A2LA, NIST	EMC, RF/Wireless, Telecom
Taiwan	BSMI, NCC, NIST	EMC, RF, Telecom, Safety
Hong Kong	OFTA, NIST	RF/Wireless, Telecom
Australia	NATA, NIST	EMC, RF, Telecom, Safety
Korea	KCC/RRA, NIST	EMI, EMS, RF, Telecom, Safety
Japan	VCCI, JATE, TELEC, RFT	EMI, RF/Wireless, Telecom
Mexico	NOM, COFETEL, Caniety	Safety, EMC, RF/Wireless, Telecom
Europe	A2LA, NIST	EMC, RF, Telecom, Safety
Israel	MOC, NIST	EMC, RF, Telecom, Safety

Accreditations for Product Certifications

Country	Accreditation Body	Scope
USA	FCC TCB, NIST	EMC, RF, Telecom
Canada	IC FCB, NIST	EMC, RF, Telecom
Singapore	iDA, NIST	EMC, RF, Telecom
EU	NB	EMC & R&TTE Directive
Japan	MIC (RCB 208)	RF, Telecom
Hong Kong	OFTA (US002)	RF, Telecom

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1 Report Revision History

Report No.	Report Version	Description	Issue Date
FCC_RF_SL16012101-SOL-001_UNII	None	Original	04/14/2016

2 Executive Summary

The purpose of this test program was to demonstrate compliance of following product

Company: Compex Systems Pte Ltd.
Product: SkyWay Excel/Access System
Model: AS5810/XL5810

against the current Stipulated Standards. The specified model product stated above has demonstrated compliance with the Stipulated Standard listed on 1st page.

3 Customer information

Applicant Name	Compex Systems Pte Ltd.
Applicant Address	No.9 Harrison Road, Harrison Industrial Building, 369651 Singapore.
Manufacturer Name	Compex Systems Pte Ltd.
Manufacturer Address	No.9 Harrison Road, Harrison Industrial Building, 369651 Singapore.

4 Test site information

Lab performing tests	SIEMIC Laboratories
Lab Address	775 Montague Expressway, Milpitas, CA 95035
FCC Test Site No.	881796
IC Test Site No.	4842D-2
VCCI Test Site No.	A0133

5 Modification

Index	Item	Description	Note
-	-	-	-

6 EUT Information

6.1 EUT Description

Product Name	SkyWay Excel/Access System
Model No.	AS5810/XL5810
Trade Name	SkyWay
Serial No.	N/A
Host Model No.	N/A
Input Power	100-240VDC, 50/60Hz 0.7A
Output Power	48VDC 0.7A
Power Adapter Manu/Model	Solectek PoE Power Supply/1584301
Power Adapter SN	N/A
Product Hardware version	V3.0
Product Software version	V4.8.0
Radio Hardware version	V3.0
Radio Software version	N/A
Test Software version	N/A
Date of EUT received	02/10/2016
Equipment Class/ Category	UNII
Port/Connectors	Ethernet

6.2 Radio Description

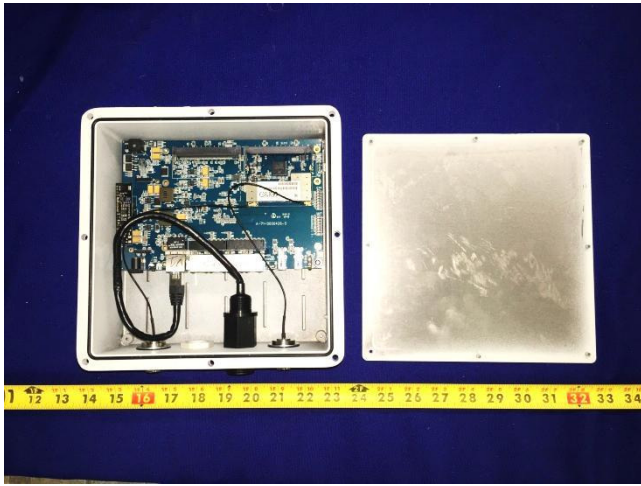
Radio Type	10MHz Bandwidth	20MHz Bandwidth	40MHz Bandwidth
Operating Frequency	5160-5240MHz 5745-5825MHz	5170-5240MHz 5755-5815MHz	5190-5230MHz 5745-5825MHz
Modulation	OFDM (BPSK, QPSK, 16QAM, 64QAM)	OFDM (BPSK, QPSK, 16QAM, 64QAM)	OFDM (BPSK, QPSK, 16QAM, 64QAM)
Channel Spacing	10MHz	20MHz (5GHz)	40MHz
Number of Channels	6 (5GHz)	6 (5GHz)	6 (5GHz)
Antenna Type	Panel Antenna		
Antenna Gain	23dBi		
Antenna Connector Type	N-Type Female		

EUT Power Settings

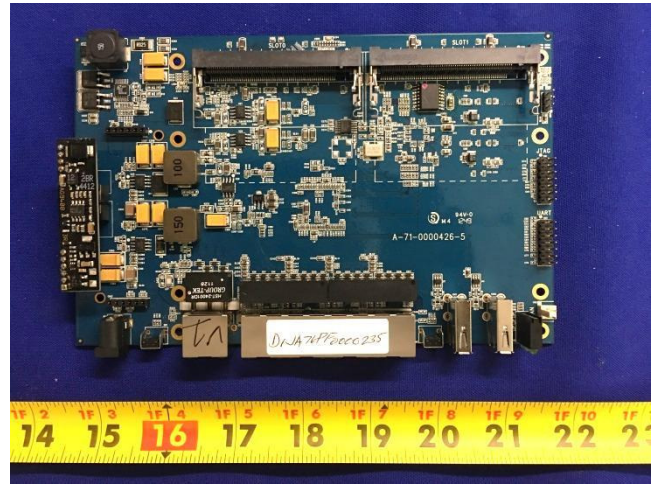
Band 1			
Test mode	Freq(MHz)	CH	Power settings
10MHz Bandwidth	5160	Low	10
	5200	Mid	20
	5240	High	10
20MHz Bandwidth	5170	Low	10
	5210	Mid	20
	5230	High	10
40MHz Bandwidth	5190	Low	10
	5230	Mid	10

Band 4			
Test mode	Freq(MHz)	CH	Power settings
10MHz Bandwidth	5735	Low	12
	5775	Mid	20
	5825	High	12
20MHz Bandwidth	5755	Low	12
	5795	Mid	20
	5815	High	12
40MHz Bandwidth	5745	Low	12
	5785	High	20
	5825	Mid	12

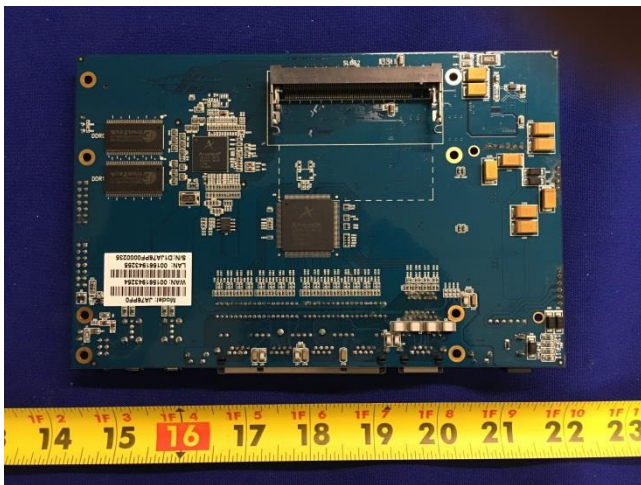
6.3 EUT Photos



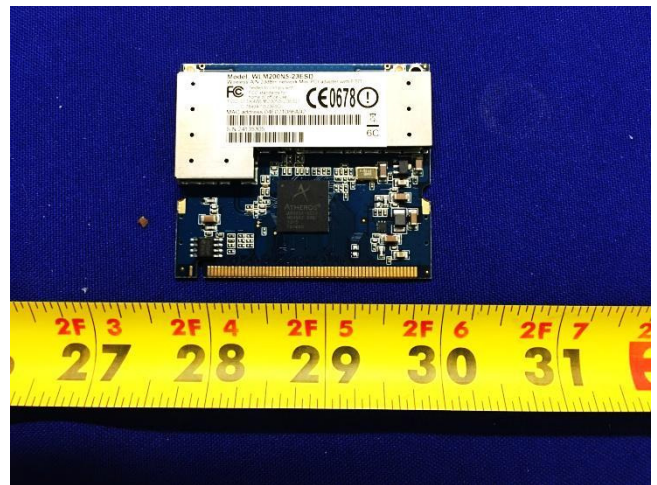
PCBA Bottom View



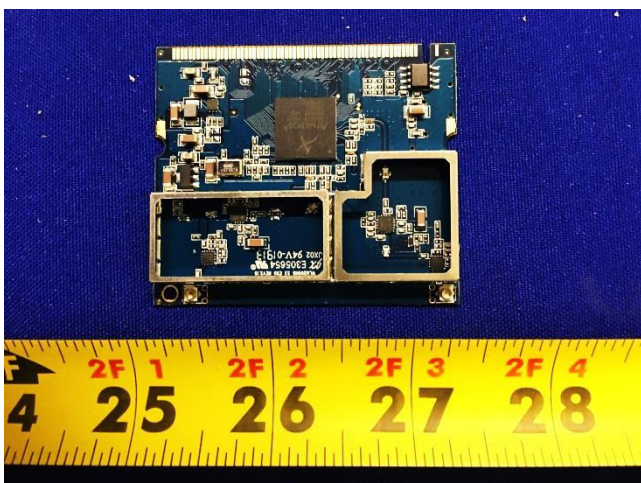
PCBA Top View



PCBA Bottom View



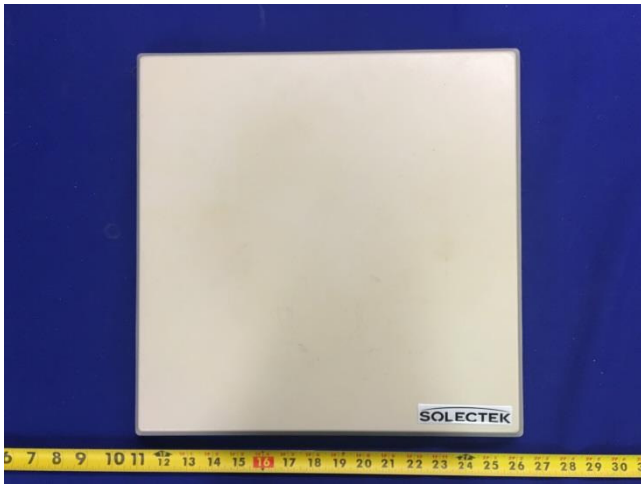
EUT Radio with Shielding Top View



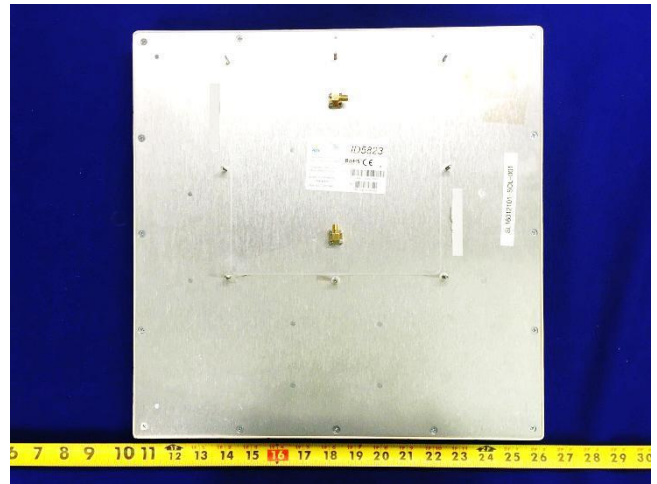
EUT Radio without Shielding Top View



EUT Radio Bottom View



Antenna Front View



Antenna Rear View

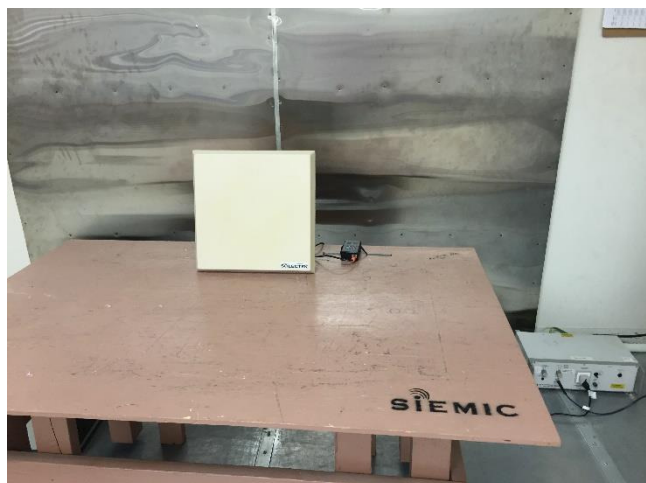


PoE Top View



PoE Bottom View

6.4 EUT Test Setup Photos



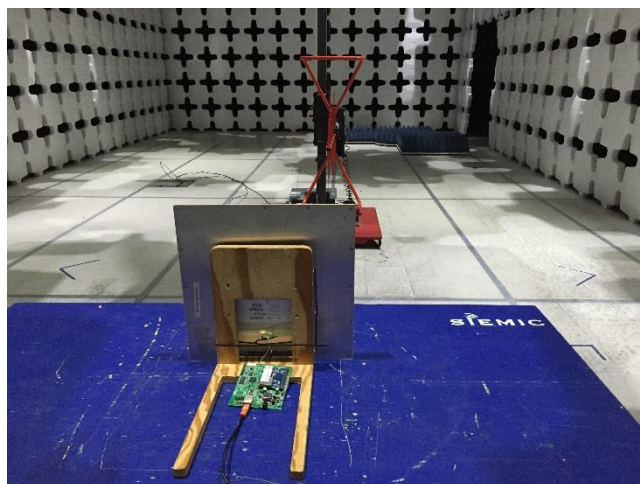
AC Line Conducted Emissions – Front View



AC Line Conducted Emissions – Rear View



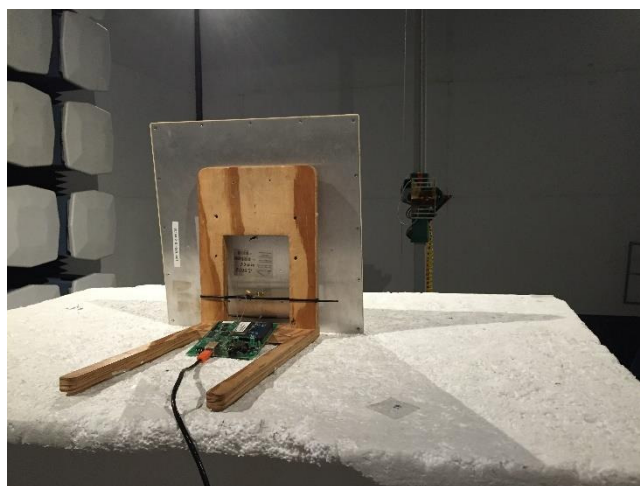
Radiated Emissions (<1GHz) – Front View



Radiated Emissions (<1GHz) – Rear View



Radiated Emissions (>1GHz) – Front View



Radiated Emissions (>1GHz) – Rear View

7 Supporting Equipment/Software and cabling Description

7.1 Supporting Equipment

Item	Supporting Equipment Description	Model	Serial Number	Manufacturer	Note
1	Laptop	P05F Latitude E5410	N/A	Dell	-

7.2 Cabling Description

Name	Connection Start		Connection Stop		Length / shielding Info		Note
	From	I/O Port	To	I/O Port	Length (m)	Shielding	
-	EUT	Ethernet	PoE	Ethernet	2	Unshielded	-
-	PoE	Ethernet	Laptop	Ethernet	2	Unshielded	

7.3 Test Software Description

Test Item	Software	Description
RF Testing	Internet Explorer	Set the EUT to transmit continuously in diferent test mode

8 Test Summary

Test Item	Test standard		Test Method/Procedure	Pass / Fail
Restricted Band of Operation	FCC	15.205	ANSI C63.10: 2013 789033 D02 General UNII Test Procedures New Rules v01	☒ Pass ☐ N/A
AC Conducted Emissions Voltage	FCC	15.207(a)	ANSI C63.10: 2013	☒ Pass ☐ N/A

Test Item	Test standard		Test Method/Procedure	Pass / Fail
26 & 6 dB Emission Bandwidth	FCC	15.407 (a)(2)	789033 D02 General UNII Test Procedures New Rules v01	☒ Pass ☐ N/A
99% Occupied Bandwidth	FCC	15.407(a)(2)	789033 D02 General UNII Test Procedures New Rules v01	☒ Pass

				☐ N/A
Maximum conducted Output Power	FCC	15.407 (a)(2)	789033 D02 General UNII Test Procedures New Rules v01	☒ Pass ☐ N/A
Power reduction (Antenna Gain > 6 dBi)	FCC	15.407 (a)(2)	-	☐ Pass ☒ N/A
Band Edge and Radiated Spurious Emissions	FCC	15.407(b)(2), 15.407(b)(6)	ANSI C63.10: 2013 789033 D02 General UNII Test Procedures New Rules v01	☒ Pass ☐ N/A
Power Spectral Density	FCC	15.407 (a)(2)	789033 D02 General UNII Test Procedures New Rules v01	☒ Pass ☐ N/A
Remark	- All measurement uncertainties are not taken into consideration for all presented test result. - The applicant shall ensure frequency stability by showing that an emission is maintained within the band of operation under all normal operating conditions as specified in the user's manual.			

9 Measurement Uncertainty

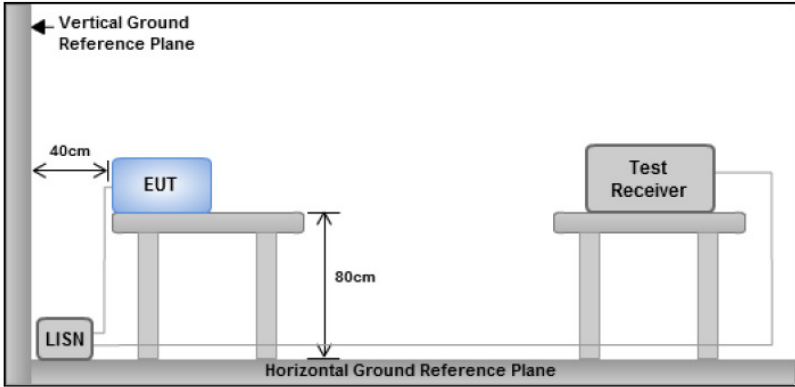
Emissions			
Test Item	Frequency Range	Description	Uncertainty
AC Conducted Emissions Voltage	150KHz – 30MHz	Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2	±3.5dB
Band Edge and Radiated Spurious Emissions	30MHz – 1GHz	Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2 (for EUTs < 0.5m X 0.5m X 0.5m)	+5.6dB/-4.5dB
Band Edge and Radiated Spurious Emissions	1GHz – 40GHz	Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2 (for EUTs < 0.5m X 0.5m X 0.5m)	+4.3dB/-4.1dB

10 Measurements, Examination and Derived Results

10.1 Conducted Emissions

Conducted Emission Limit

Frequency ranges (MHz)	Limit (dBuV)	
	QP	Average
0.15 ~ 0.5	66 – 56	56 – 46
0.5 ~ 5	56	46
5 ~ 30	60	50

Spec	Item	Requirement	Applicable
47CFR§15.207	a)	For Low-power radio-frequency devices that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). The lower limit applies at the boundary between the frequency ranges.	☒
Test Setup		 Note: 1. Support units were connected to second LISN. 2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes	
Procedure		- The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table, as shown in Annex B. - The power supply for the EUT was fed through a 50Ω/50μH EUT LISN, connected to filtered mains. - The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss coaxial cable. - All other supporting equipment was powered separately from another main supply.	
Remark		EUT was tested at 120VAC, 60Hz	
Result		☒ Pass ☐ Fail	

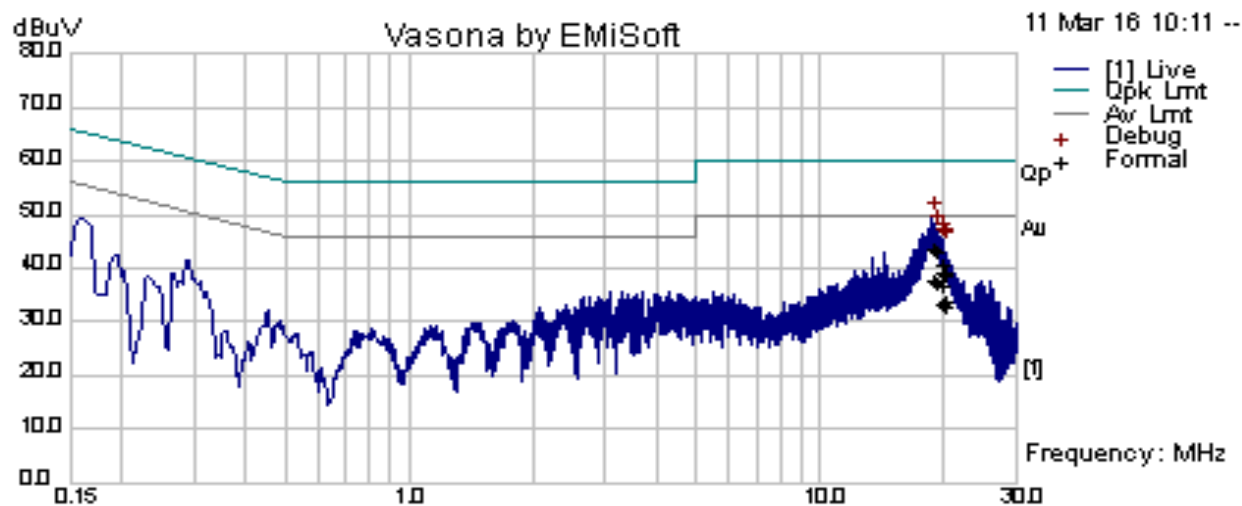
Test Data ☒ Yes ☐ N/A

Test Plot ☒ Yes (See below) ☐ N/A

Test was done by Teody Manansala at Conducted Emission test site.

Conducted Emission Test Results

Test specification:	Conducted Emissions			
Environmental Conditions:	Temp(°C):	21	Result:	☒ Pass ☐ Fail
	Humidity (%):	42		
	Atmospheric(mbar):	1021		
Mains Power:	120Vac, 60Hz			
Tested by:	Teody Manansala			
Test Date:	03/11/2016			
Remarks	AC Line @ Line			

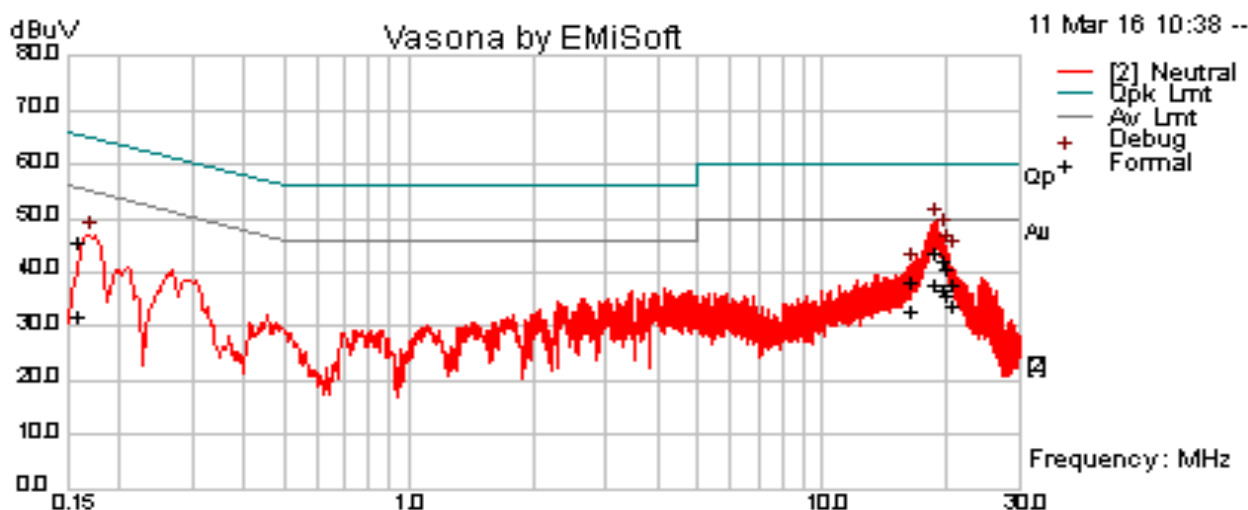


Line Plot at 120Vac, 60Hz

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	Factors (dB)	Level (dBuV)	Measurement Type	Line	Limit (dBuV)	Margin (dB)	Pass /Fail
18.74	33.14	10.07	0.67	43.88	Quasi Peak	Live	60.00	-16.12	Pass
19.08	32.59	10.07	0.68	43.33	Quasi Peak	Live	60.00	-16.67	Pass
19.69	29.74	10.07	0.69	40.49	Quasi Peak	Live	60.00	-19.51	Pass
20.00	28.36	10.07	0.69	39.12	Quasi Peak	Live	60.00	-20.88	Pass
19.97	28.45	10.07	0.69	39.21	Quasi Peak	Live	60.00	-20.79	Pass
20.05	27.91	10.07	0.69	38.67	Quasi Peak	Live	60.00	-21.33	Pass
18.74	27.07	10.07	0.67	37.80	Average	Live	50.00	-12.20	Pass
19.08	26.73	10.07	0.68	37.47	Average	Live	50.00	-12.53	Pass
19.69	25.93	10.07	0.69	36.69	Average	Live	50.00	-13.31	Pass
20.00	23.02	10.07	0.69	33.78	Average	Live	50.00	-16.22	Pass
19.97	22.48	10.07	0.69	33.24	Average	Live	50.00	-16.76	Pass
20.05	22.09	10.07	0.69	32.85	Average	Live	50.00	-17.15	Pass

Conducted Emission Test Results

Test specification:	Conducted Emissions			
Environmental Conditions:	Temp(°C):	21	Result:	☒ Pass ☐ Fail
	Humidity (%):	42		
	Atmospheric(mbar):	1021		
Mains Power:	120Vac, 60Hz			
Tested by:	Teody Manansala			
Test Date:	03/11/2016			
Remarks	AC Line @ Neutral			



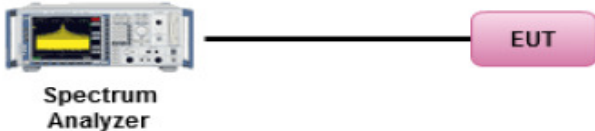
Neutral Plot at 120Vac, 60Hz

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	Factors (dB)	Level (dBuV)	Measurement Type	Line	Limit (dBuV)	Margin (dB)	Pass /Fail
18.57	33.07	10.07	0.67	43.80	Quasi Peak	Neutral	60.00	-16.20	Pass
19.40	31.43	10.07	0.68	42.18	Quasi Peak	Neutral	60.00	-17.82	Pass
19.79	29.70	10.07	0.69	40.46	Quasi Peak	Neutral	60.00	-19.54	Pass
20.38	27.17	10.07	0.70	37.93	Quasi Peak	Neutral	60.00	-22.07	Pass
0.16	33.86	10.00	1.70	45.56	Quasi Peak	Neutral	65.58	-20.01	Pass
16.23	27.61	10.06	0.62	38.29	Quasi Peak	Neutral	60.00	-21.71	Pass
18.57	27.17	10.07	0.67	37.90	Average	Neutral	50.00	-12.10	Pass
19.40	26.06	10.07	0.68	36.81	Average	Neutral	50.00	-13.19	Pass
19.79	24.96	10.07	0.69	35.72	Average	Neutral	50.00	-14.28	Pass
20.38	23.01	10.07	0.70	33.78	Average	Neutral	50.00	-16.22	Pass
0.16	20.37	10.00	1.70	32.07	Average	Neutral	55.58	-23.50	Pass
16.23	22.29	10.06	0.62	32.98	Average	Neutral	50.00	-17.02	Pass

Note: The results above show only the worst case.

10.2 26 dB Bandwidth & 6 dB Bandwidth

Requirement(s):

Spec	Item	Requirement	Applicable
§ 15.407	-	26 dB Emission BW: Report only for reference.	☒
	a) (2)	26 dB Emission BW: Report only for power limit calculation.	☐
	e)	Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.	☒
Test Setup			
Test Procedure	789033 D02 General UNII Test Procedures New Rules v01 <u>26dB Emission bandwidth measurement procedure (Other than 5.725-5.85 GHz)</u> - Allow the trace to stabilize. - Use the spectrum analyzer built-in measurement function to determine the 26dB BW. - o Set RBW = around 1% of emission bandwidth - o Set VBW > RBW - o Detector = Peak - o Trace mode = max hold - Capture the plot. - Repeat above steps for different test channel and other modulation type. <u>6 dB Minimum emission bandwidth measurement procedure (for 5.725-5.85 GHz)</u> - Allow the trace to stabilize. - Use the spectrum analyzer built-in measurement function to determine the 6dB BW. - o Set RBW = 100 KHz - o Set VBW ≥ 3 x RBW - o Detector = Peak - o Trace mode = max hold - o Sweep = auto couple - Capture the plot. - Repeat above steps for different test channel and other modulation type.		
Test Date	03/04/2015	Environmental condition	Temperature 22°C Relative Humidity 38% Atmospheric Pressure 1020mbar
Remark	None		
Result	☒ Pass ☐ Fail		

Test Data ☒ Yes ☐ N/A

Test Plot ☒ Yes ☐ N/A

Test was done by Teody Manansala at RF test site.

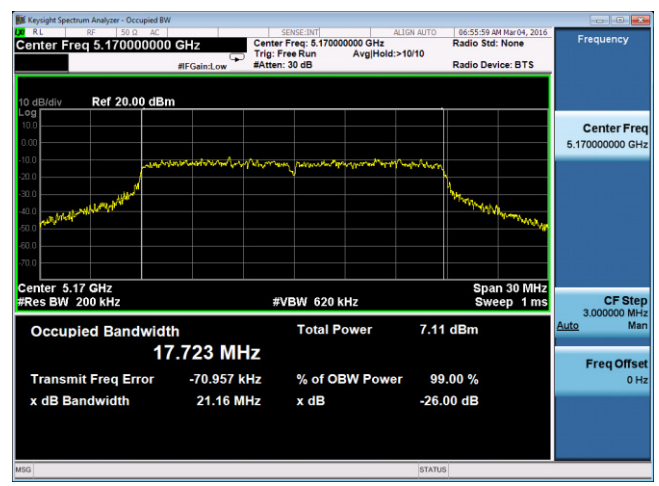
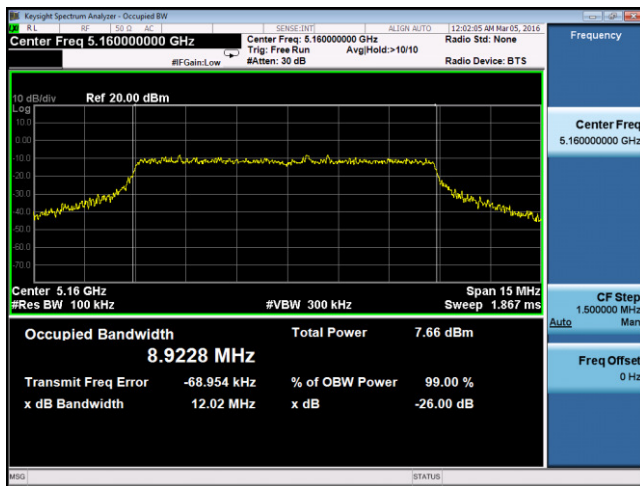
26dB and 99% Bandwidth measurement result for 5.2GHz

Test mode	Freq (MHz)	CH	Result (MHz)		Limit (MHz)
			26dB	99%	
10MHz Bandwidth	5160	Low	12.02	8.923	-
	5200	Mid	12.16	8.941	-
	5240	High	11.82	8.943	-
20MHz Bandwidth	5170	Low	21.16	17.723	-
	5210	Mid	22.39	17.819	-
	5230	High	22.64	17.821	-
40MHz Bandwidth	5190	Low	42.83	36.830	-
	5230	High	45.44	37.014	-

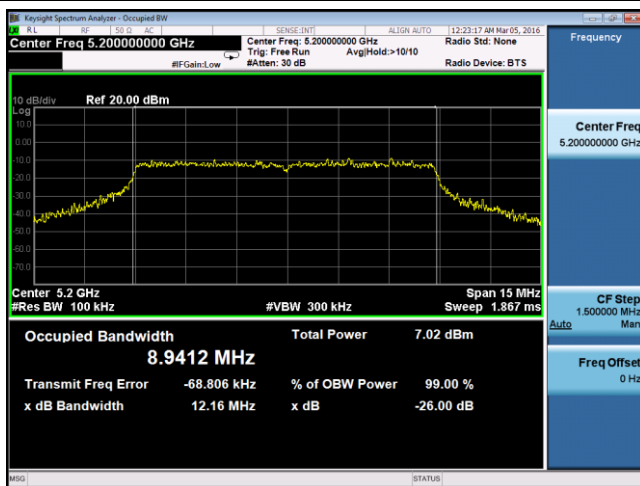
6dB and 99% Bandwidth measurement result for 5.8GHz

Test mode	Freq (MHz)	CH	Result (MHz)		Limit (6dB) (MHz)	Result
			6dB	99%		
10MHz Bandwidth	5735	Low	8.82	8.977	>0.5	pass
	5775	Mid	8.82	8.955	>0.5	pass
	5825	High	8.86	8.912	>0.5	pass
20MHz Bandwidth	5755	Low	17.55	17.659	>0.5	pass
	5795	Mid	17.58	17.664	>0.5	pass
	5815	High	17.60	17.665	>0.5	pass
40MHz Bandwidth	5745	Low	36.07	36.166	>0.5	pass
	5785	High	35.70	36.598	>0.5	pass
	5775	Mid	36.31	36.515	>0.5	pass

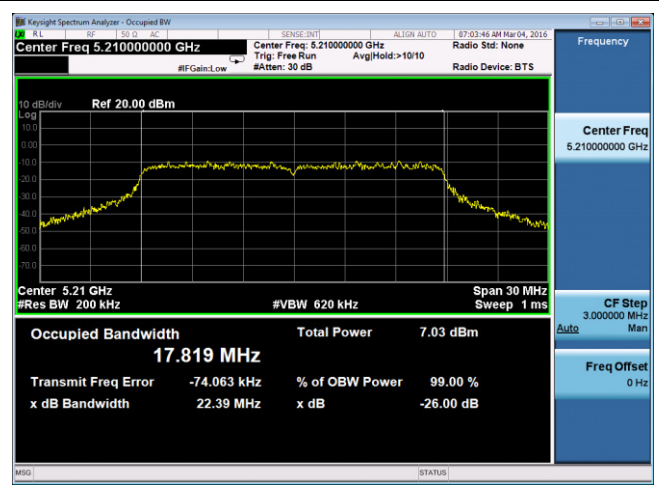
26dB & 99% Bandwidth Test Plots



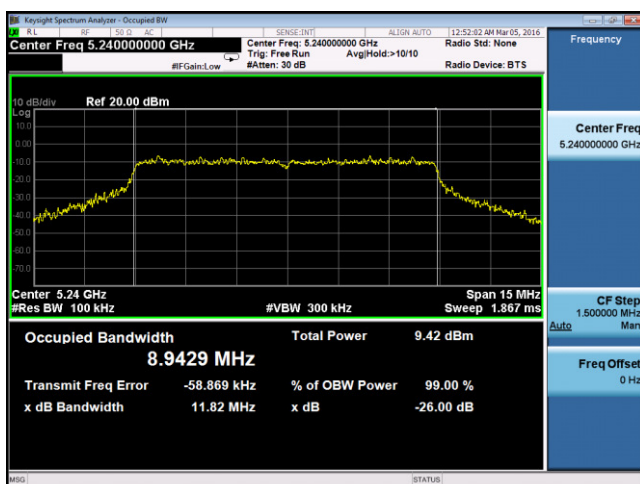
26dB & 99% BW – 10M 5160MHz



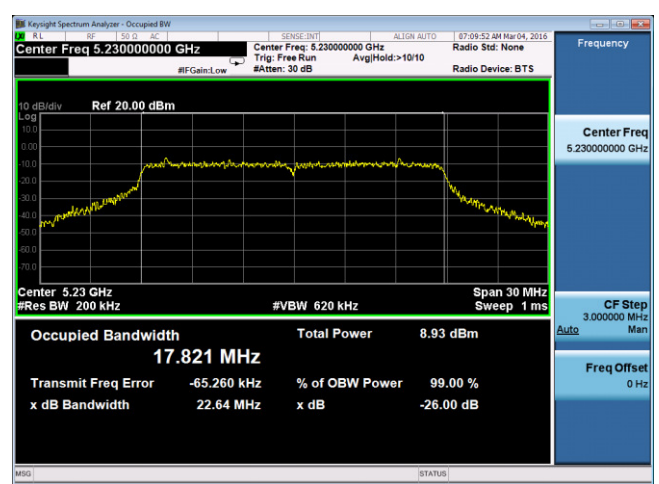
26dB & 99% BW – 20M 5170MHz



26dB & 99% BW – 10M 5200MHz

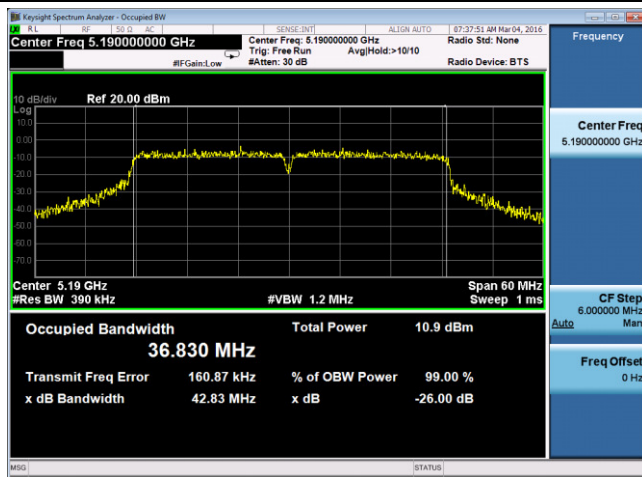


26dB & 99% BW – 20M 5210MHz

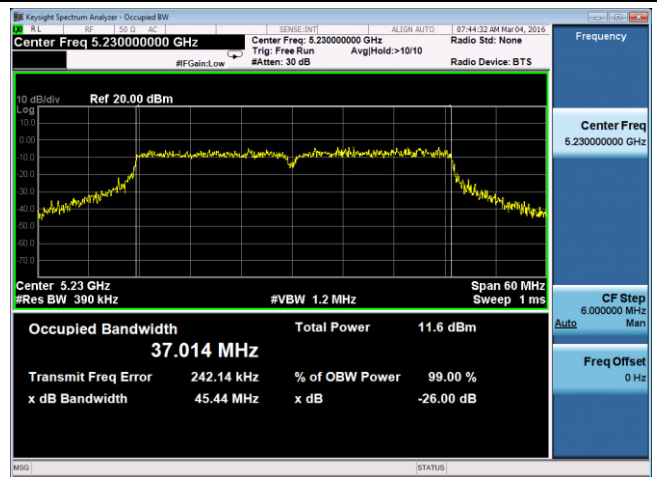


26dB & 99% BW – 10M 5240MHz

26dB & 99% BW – 20M 5230MHz

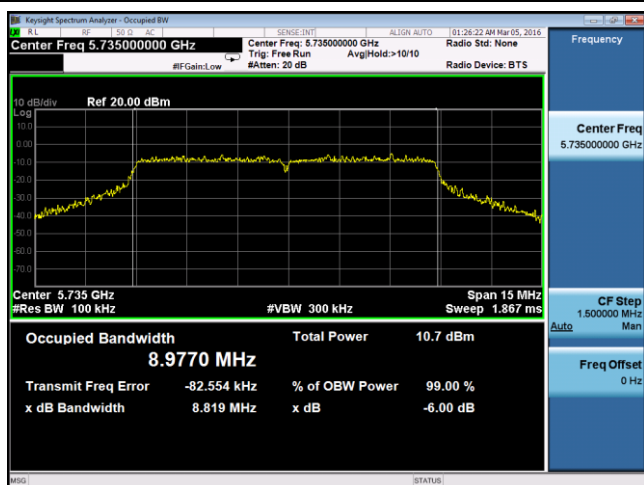


26dB & 99% BW – 40M 5190MHz

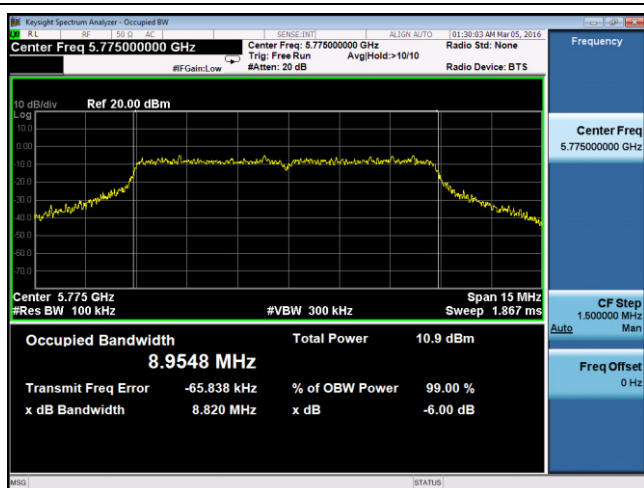


26dB & 99% BW – 40M 5230MHz

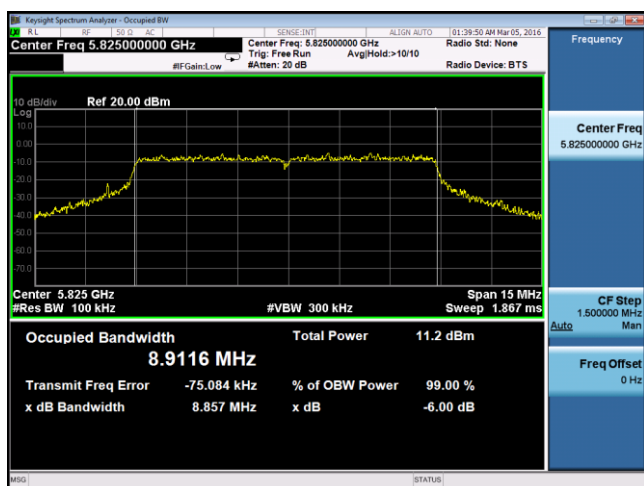
6dB Bandwidth Test Plots



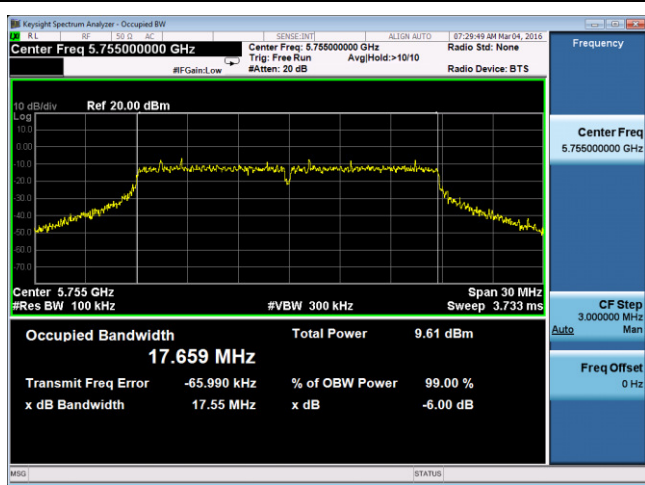
99% & 6dB BW – 10M 5735MHz



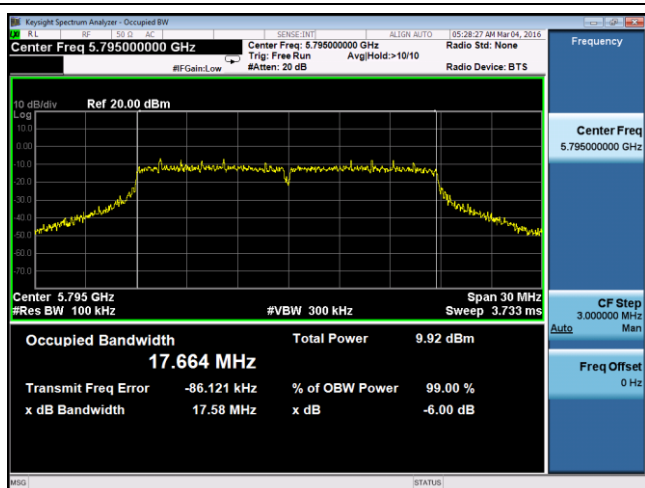
99% & 6dB BW – 10M 5775MHz



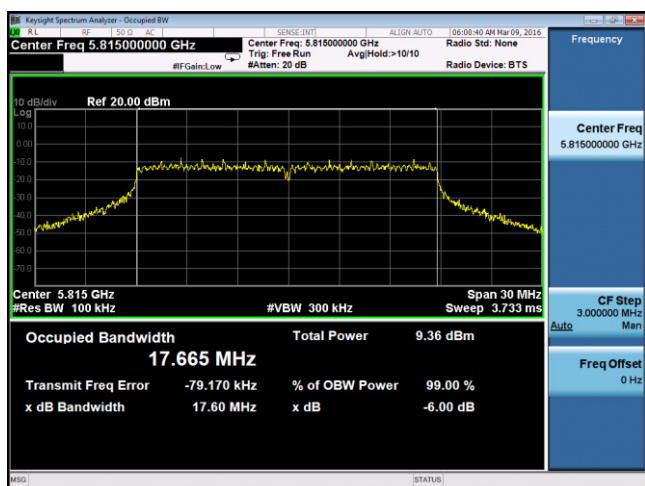
99% & 6dB BW – 10M 5825MHz



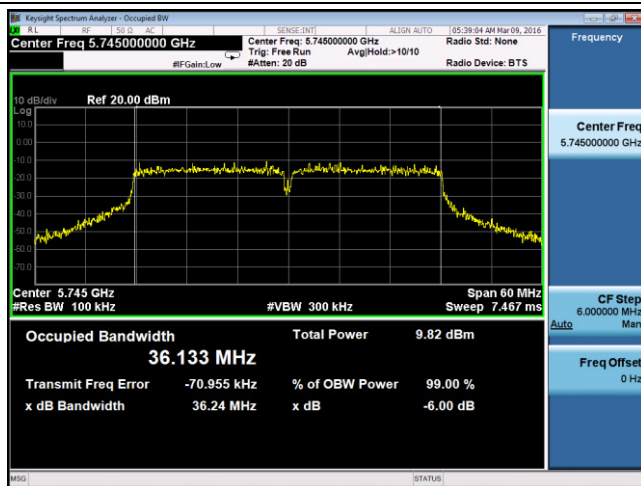
99% & 6dB BW – 20M 5755MHz



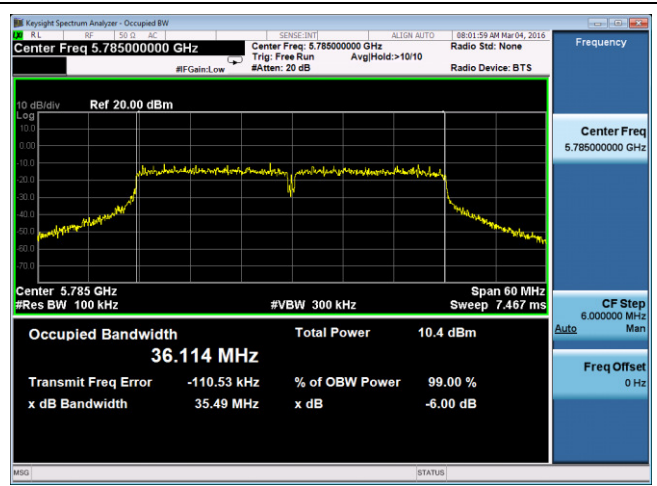
99% & 6dB BW – 20M 5795MHz



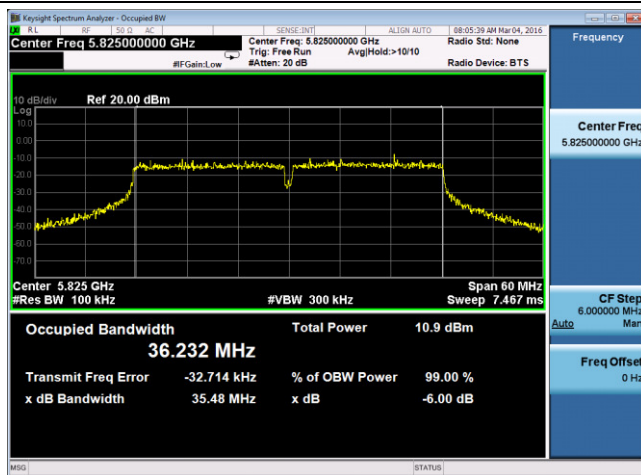
99% & 6dB BW – 20M 5815MHz



99% & 6dB BW – 40M 5745MHz



99% & 6dB BW – 40M 5785MHz



99% & 6dB BW – 40M 5825MHz

10.3 Output Power

Requirement(s):

Spec	Item	Requirement	Applicable
§ 15.407	a)(1)(i)	For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).	☒
	a)(1)(ii)	For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi.	☐
	a)(1)(iii)	For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi.	☐
	a)(1)(iv)	For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi.	☐
	a)(2)	For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.	☐
	a)(3)	For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.	☒

Test Setup



Test Procedure

789033 D02 General UNII Test Procedures New Rules v01

Measurement using a Power Meter (PM)

Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

- Connect EUT's RF output power to power meter
- Set EUT to be continuous transmission mode
- Measurement the average output power using power meter and record the result
- Repeat above steps for different test channel and other modulation type.

Test Date

03/04/2015

Environmental
condition

Temperature 21°C
Relative Humidity 40%
Atmospheric Pressure 1019mbar

Remark

N/A

Result

☒ Pass ☐ Fail

Test Data ☒ Yes

☐ N/A

Test Plot ☐ Yes (See below)

☒ N/A

Test was done by Teody Manansala at RF test site.

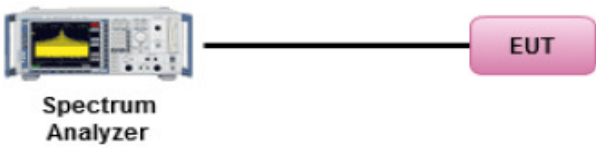
Output Power measurement result :

Band 1							
Test mode	Freq(MHz)	CH	Conducted Power (dBm)			Limit (dBm)	Result
			Chain 1	Chain 2	Combined		
10MHz Bandwidth	5160	Low	6.21	1.07	7.37	30	Pass
	5200	Mid	20.28	19.77	23.04	30	Pass
	5240	High	8.11	2.40	9.14	30	Pass
20MHz Bandwidth	5170	Low	6.13	1.37	7.38	30	Pass
	5210	Mid	20.23	19.84	23.04	30	Pass
	5230	High	8.26	2.55	9.29	30	Pass
40MHz Bandwidth	5190	Low	7.16	3.31	8.66	30	Pass
	5230	High	9.45	4.47	10.65	30	Pass

Band 4							
Test mode	Freq(MHz)	CH	Conducted Power (dBm)			Limit (dBm)	Result
			Chain 1	Chain 2	Combined		
10MHz Bandwidth	5735	Low	9.91	9.23	12.59	30	Pass
	5775	Mid	19.33	19.95	22.66	30	Pass
	5825	High	10.63	9.54	13.13	30	Pass
20MHz Bandwidth	5755	Low	9.31	9.27	12.30	30	Pass
	5775	Mid	19.82	20.23	23.04	30	Pass
	5815	High	9.76	9.65	12.72	30	Pass
40MHz Bandwidth	5745	Low	10.96	9.74	13.40	30	Pass
	5785	Mid	20.08	19.74	22.92	30	Pass
	5825	High	10.54	10.28	13.42	30	Pass

10.4 Peak Spectral Density

Requirement(s):

Spec	Item	Requirement	Applicable
§ 15.407	a)(1)(i)	For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.	☒
	a)(1)(ii)	For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.	☒
	a)(2)	For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.	☒
	a)(3)	For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.	☒
Test Setup			
Test Procedure	789033 D02 General UNII Test Procedures New Rules v01, II.F. Method SA-1 <u>Maximum spectral density measurement procedure</u> - Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal. - Set RBW = 1 MHz - Set VBW ≥ 3 MHz - Detector = RMS. - Sweep time = auto couple. - Trace mode = max hold. - Trace average at least 100 traces in power averaging - Use the peak marker function to determine the maximum amplitude level within the RBW. Apply correction to the result if different RBW is used.		
Test Date	03/05/2016	Environmental condition	Temperature 22°C Relative Humidity 42% Atmospheric Pressure 1020mbar
Remark	-		
Result	☒ Pass ☐ Fail		

Test Data ☒ Yes ☐ N/A

Test Plot ☒ Yes (See below) ☐ N/A

Test was done by Teody Manansala at RF test site.