

FCC 47 CFR PART 15 SUBPART E ISED RSS-247 ISSUE 2

CERTIFICATION TEST REPORT

For

LED Projector

MODEL NUMBER: S2

FCC ID: MSQ-S2 IC: 3568A-S2

REPORT NUMBER: 4788623965.3-2

ISSUE DATE: September 5, 2018

Prepared for

ASUSTek Computer Inc. 4F,NO.150,Li-Te Rd. Peitou,Taipei Taiwan

Prepared by

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch
Building 10, Innovation Technology Park, No. 1, Li Bin Road,
Song Shan Lake Hi-Tech Development Zone, Dongguan, People's Republic of China

Tel: +86 769-22038881 Fax: +86 769 33244054 Website: www.ul.com Website: www.ul.com

The results reported herein have been performed in accordance with the laboratory's terms of accreditation. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products. This report does not imply that the product(s) has met the criteria for certification.



REPORT NO.: 4788623965.3-2 Page 2 of 267

Revision History

Rev.	Issue Date	Revisions	Revised By
	09/05/2018	Initial Issue	



Summary of Test Results			
Clause	Test Items	FCC/IC Rules	Test Results
1	6dB/26dB Bandwidth	FCC 15.407 (a)&(e) RSS-247 Clause 6.2	PASS
2	99% Bandwidth	RSS-Gen Clause 6.6	PASS
3	Maximum Conducted Output Power	FCC 15.407 (a) RSS-247 Clause 6.2	PASS
4	Power Spectral Density	FCC 15.407 (a) RSS-247 Clause 6.2	PASS
5	Antenna Conducted Spurious Emission	FCC 15.407 (b) RSS-247 Clause 6.2	PASS
6	Radiated Bandedge and Spurious Emission	FCC 15.407 (a) FCC 15.209 FCC 15.205 RSS-247 Clause 6.2 RSS-GEN Clause 8.9	PASS
7	Conducted Emission Test For AC Power Port	FCC 15.207 RSS-GEN Clause 8.8	PASS
8	Antenna Requirement	FCC 15.203 RSS-GEN Clause 8.3	PASS
9	Frequency Stability	FCC 15.407 (g)	PASS
10	Dynamic Frequency Selection	FCC 15.407 (h) IC RSS-247 Clause 6.3	PASS



TABLE OF CONTENTS

1.	AT	TESTATION OF TEST RESULTS	6
2.	TES	ST METHODOLOGY	7
3.	FA	CILITIES AND ACCREDITATIO	7
4.	CA	LIBRATION AND UNCERTAINTY	8
	4.1.	MEASURING INSTRUMENT CALIBRATION	8
	4.2.	MEASUREMENT UNCERTAINTY	8
5.	EQ	UIPMENT UNDER TEST	9
	5.1.	DESCRIPTION OF EUT	g
,	5.2.	CHANNEL LIST	10
	5.3.	DESCRIPTION OF AVAILABLE ANTENNAS	12
	5. <i>4</i> .	TEST ENVIRONMENT	12
	5.5.	WORST-CASE CONFIGURATIONS	13
	5.6.	DESCRIPTION OF TEST SETUP	14
÷	5.7.	MEASURING INSTRUMENT AND SOFTWARE USED	15
6.	AN [°]	TENNA PORT TEST RESULTS	16
(6.1.	ON TIME AND DUTY CYCLE	16
(6.2.	6dB/26dB/99% dB BANDWIDTH	
	6.2		
	6.2 6.2		
	6.3.	MAXIMUM CONDUCTED AV OUTPUT POWER	
	6. <i>4</i> .	POWER SPECTRAL DENSITY	
	6.4		
	6.4	.2. 802.11n20	
	0.4	.5. 602.111140	43
		DIATED TEST RESULTS	
	7.1. 7.1.	802.11a MODE .1. UNII-1 BAND	
	7.1		
	7.1	.3. UNII-2C BAND	83
	7.1		
		802.11n HT20 MODE .1. UNII-1 BAND	
		.2. UNII-1 BAND	



11. ANTENNA REQUIREMENTS	267
10. DYNAMIC FREQUENCY SELECTION	262
9. FREQUENCY STABILITY	260
8.1. 802.11n20 CDD MODE	258
8. AC POWER LINE CONDUCTED EMISSIONS	257
7.8. RADATED TEST DATA WITH ALL ACCESSORIES	247
7.7.1. 802.11a MODE	243
7.6.1. 802.11a MODE	
7.6. SPURIOUS EMISSIONS 30M ~ 1 GHz	
7.5.1. 802.11a MODE	
7.4.1. 802.11a MODE	
7.4. SPURIOUS EMISSIONS 18~26GHz	
7.3.3. UNII-2C BAND	207
7.3.1. UNII-1 BAND	183
7.3. 802.11n HT40 MODE	183
7.2.3. UNII-2C BAND	



REPORT NO.: 4788623965.3-2

Page 6 of 267

1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: ASUSTek Computer Inc.

Address: 4F,NO.150,Li-Te Rd. Peitou,Taipei Taiwan

Manufacturer Information

Company Name: ASUSTek Computer Inc.

4F,NO.150,Li-Te Rd. Peitou,Taipei Taiwan Address:

EUT Description

Product Name LED Projector

Model Name S2

Series model S2E, S2C, S2M, S2Z

Model difference The schematic and structure of each model is same, the only

difference is that the name of the model is different, but it will not

affect the test result.

Date Tested August 16~ September 1, 2018

APPLICABLE STANDARDS

STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart E	PASS
ISED RSS-247 Issue 2	Pass

ISED RSS-GEN Issue 5 **Pass**

Tested By: Checked By:

Kebo Zhang Engineer

kelo. Thung.

Approved By:

Shawn Wen

Laboratory Leader

Shemy les

Stephen Guo

Laboratory Manager

REPORT NO.: 4788623965.3-2

Page 7 of 267

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10-2013, FCC CFR 47 Part 2, FCC CFR 47 Part 15, KDB 789033 D02 v02r01, RSS-GEN Issue 5, RSS-247 Issue 2, KDB414788 D01 Radiated Test Site v01, KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 and 905462 D03 Client Without DFS New Rules v01r02.

3. FACILITIES AND ACCREDITATIO

FACILITIES AND ACCREDITATIO		
Accreditation Certificate	A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. IAS (Lab Code: TL-702) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has demonstrated compliance with ISO/IEC Standard 17025:2005, General requirements for the competence of testing and calibration laboratories FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Delcaration of Conformity (DoC) and Certification rules IC(Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with Industry Canada. The Company Number is 21320. VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber D, the VCCI registration No. is G-20019 and R-20004 Shielding Room B, the VCCI registration No. is C-20012 and T-20011	

Note 1: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China

Note 2: The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3: For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30MHz had been correlated to measurements performed on an OATS.



4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

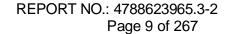
The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognize national standards.

4.2. **MEASUREMENT UNCERTAINTY**

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty	
Uncertainty for Conduction emission test	2.90dB	
Uncertainty for Radiation Emission test(include Fundamental emission) (9KHz-30MHz)	2.2dB	
Uncertainty for Radiation Emission test(include Fundamental emission) (30MHz-1GHz)	4.52dB	
	5.04dB(1-6GHz)	
Uncertainty for Radiation Emission test (1GHz to 26GHz)(include Fundamental emission)	5.30dB (6GHz-18Gz)	
	5.23dB (18GHz-26Gz)	
,	5.64dB (26GHz-40Gz)	
Note: This uncertainty represents an expanded uncertainty expressed at		

approximately the 95% confidence level using a coverage factor of k=2.





5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

Equipment	LED Projector
Model Name	S2
Series model	S2E, S2C,S2M,S2Z
Model difference	The schematic and structure of each model is same, the only difference is that the name of the model is different, but it will not affect the test result.
Radio Technology	IEEE802.11a/n HT20/n HT40
Operation frequency	UNII-1/UNII-2A/UNII-2C/UNII-3
Modulation	OFDM(BPSK,QPSK,16QAM,64QAM)
Power Supply	AC120V/60Hz



5.2. CHANNEL LIST

20 MHz Bandwidth Channel frequencies				
Band	Channel	Frequency (MHz)		
	36	5180		
UNII-1	40	5200		
OINII-1	44	5220		
	48	5240		
	52	5260		
UNII-2A	56	5280		
UNII-ZA	60	5300		
	64	5320		
	100	5500		
	104	5520		
	108	5540		
	112	5560		
	116	5580		
UNII-2C	120	5600		
	124	5620		
	128	5640		
	132	5660		
	136	5680		
	140	5700		
	149	5745		
	153	5765		
UNII-3	157	5785		
	161	5805		
	165	5825		



40 MHz Bandwidth Channel frequencies		
Band	Channel Frequency (MHz)	
UNII-1	38	5190
OINII-1	46	5230
	54	5270
UNII-2	62	5310
	102	5510
	110	5550
UNII-2C	118	5590
	126	5630
	134	5670
UNII-3	151	5755
OIVII-3	159	5795



5.3. DESCRIPTION OF AVAILABLE ANTENNAS

Ant.	Frequency (MHz)	Antenna Type	Antenna Gain (dBi)
	5150-5250	FPCB	3.4
^	5250-5350	FPCB	3.4
A	5470-5725	FPCB	2.2
	5725-5825	FPCB	2.2

Test Mode	Transmit and Receive Mode	Description
802.11a	1TX, 1RX	Antenna A can be can be used as transmitting/receiving antenna.
802.11n HT20	1TX, 1RX	Antenna A can be can be used as transmitting/receiving antenna.
802.11n HT40	1TX, 1RX	Antenna A can be can be used as transmitting/receiving antenna.

5.4. TEST ENVIRONMENT

Environment Parameter	Selected Values During Tests			
Relative Humidity	55	~ 65%		
Atmospheric Pressure:	1025Pa			
	TL	0°C		
Temperature:	TN	23 ~ 28°C		
	TH	40°C		
	VL	AC 102V/60Hz		
Voltage :	VN	AC 120V/60Hz		
	VH	AC 138V/60Hz		

Note: VL= Lower Extreme Test Voltage

VN= Nominal Voltage

VH= Upper Extreme Test Voltage

TN= Normal Temperature



REPORT NO.: 4788623965.3-2 Page 13 of 267

5.5. WORST-CASE CONFIGURATIONS

IEE Std. 802.11	Modulation Technology	Modulation Type	Data Rate (Mbps)	Worst Case (Mbps)
а	OFDM	BPSK,QPSK,16QAM, 64QAM	54/48/36/24/18/12/9/6	6

	802.11n HT20/HT40							
		1	002	2.1111 11 12 12 17	7140	ı		
Antenna MCS		Modulation	HT20 Data Rate(Mbps)		HT40 Data Rate(Mbps)			
			GI=800ns	GI=400ns	GI=800ns	GI=400ns	(Mbps)	
	0	BPSK	6.5	7.2	13.5	15.0	MCS0	
	1	QPSK	13.0	14.2	27.0	30.0	MCS0	
	2	QPSK	19.5	21.7	40.5	45.0	MCS0	
1x1	3	16-QAM	26.0	28.9	54.0	60.0	MCS0	
IXI	4	16-QAM	39.0	43.3	81.0	90.0	MCS0	
	5	64-QAM	52.0	57.8	108.0	120.0	MCS0	
	6	64-QAM	58.5	65.0	121.5	135.0	MCS0	
	7	64-QAM	65.0	72.2	135.0	150.0	MCS0	

Note: This device can work in master mode, but only support 2.4G frequency band in master mode.

REPORT NO.: 4788623965.3-2

Page 14 of 267

5.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	P/N
1	Laptop	ThinkPad	T460S	SL10K24796 JS

I/O CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	USB	N/A	N/A	0.5	N/A

ACCESSORY

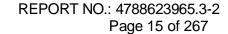
Item	Accessory	Brand Name	Model Name	Description
1	AC ADAPTER	ASUS	ADP-65GD D	Input: 100-240 Vac, 50/60 Hz, 1.5A Output: 19Vdc, 3.42A

TEST SETUP

The EUT can work in engineering mode with a software through a Laptop.

SETUP DIAGRAM FOR TESTS







5.7. MEASURING INSTRUMENT AND SOFTWARE USED

	Conducted Emissions								
Used	Equipment	Manufacturer	Мо	del 1	No.	Seria	al No.	Last Cal.	Next Cal.
V	EMI Test Receiver	R&S	E	ESR3		101	961	Dec.12,2017	Dec.11,2018
Ø	Two-Line V- Network	R&S	Εl	NV2	16	101	983	Dec.12,2017	Dec.11,2018
			Sof	ftwar	e				
Used	Des	cription			Manu	ıfactu	rer	Name	Version
V	Test Software for C	Conducted distu	rbanc	е		UL		Antenna port	Ver. 7.2
		Rad	iated	Emi	issio	ns			
Used	Equipment	Manufacturer	Мо	del 1	No.	Seria	al No.	Last Cal.	Next Cal.
V	MXE EMI Receiver	KESIGHT	N9	9038	BA		6400 36	Dec.12,2017	Dec.11,2018
V	Hybrid Log Periodic Antenna	TDK	HLF	P-300	03C	130	960	Jan.09, 2016	Jan.09, 2019
V	Preamplifier	HP	8	447[D		A090 9	Dec.12,2017	Dec.11,2018
V	EMI Measurement Receiver	R&S	Е	SR2	26	101	377	Dec.12,2017	Dec.11,2018
V	Horn Antenna	TDK	HR	N-01	118	130	939	Jan. 09, 2016	Jan. 09, 2019
V	High Gain Horn Antenna	Schwarzbeck	BBH	HA-9	170	6:	91	Jan.06, 2016	Jan.06, 2019
V	Preamplifier	TDK	PA-	02-0	118		-305- 066	Dec.12,2017	Dec.11,2018
V	Preamplifier	TDK	P/	A-02	-2		-307- 003	Dec.12,2017	Dec.11,2018
\checkmark	Loop antenna	Schwarzbeck	1	519E	В	00008 Mar. 26, 2016		Mar. 26, 2019	
			Sof	ftwar	e				
Used	Descr	iption		Man	ufact	urer		Name	Version
\checkmark	Test Software for Ra	adiated disturba	nce	F	Farac	I		EZ-EMC	Ver. UL-3A1
		Oth	er in	stru	men	ts			
Used	Equipment	Manufacturer	Мо	Model No.		Seria	al No.	Last Cal.	Next Cal.
V	Spectrum Analyzer	Keysight	N9030A			5410 12	Dec.12,2017	Dec.11,2018	
V	Power Meter	Keysight	N9031A			5416 24	Dec.12,2017	Dec.11,2018	
V	Power Sensor	Keysight	N	9323	3A		5440 13	Dec.12,2017	Dec.11,2018
V	Power Sensor	Keysight	U2	2021	XA		7030 04	Dec.12,2017	Dec.11,2018



REPORT NO.: 4788623965.3-2

Page 16 of 267

6. ANTENNA PORT TEST RESULTS

6.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

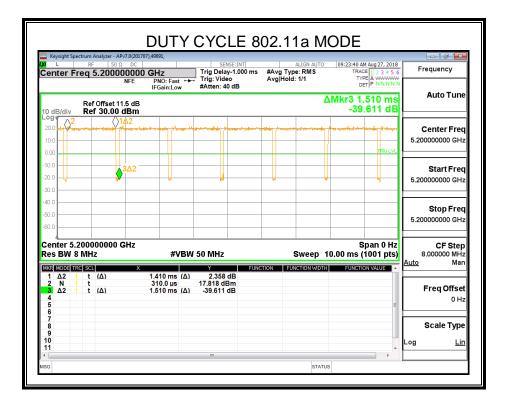
RESULTS

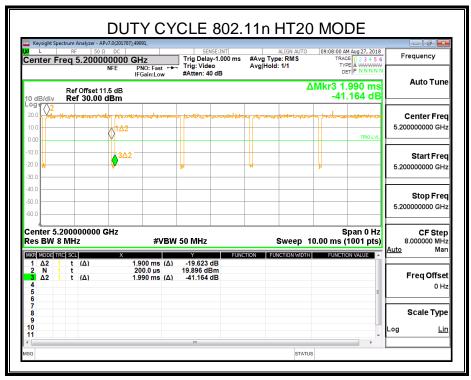
Mode	ON Time (ms)	Period (ms)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (KHz)
11a	1.410	1.510	0.9338	93.38%	0.30	1
11n HT20	1.900	1.990	0.9548	95.48%	0.20	1
11n HT40	0.920	1.010	0.9109	91.09%	0.41	2

Note: Duty Cycle Correction Factor=10log(1/x).

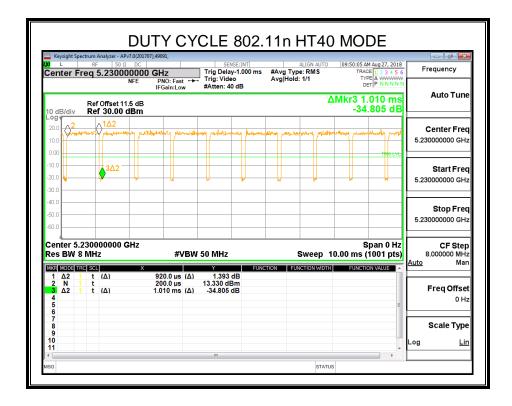
Where: x is Duty Cycle(Linear)













6.2. 6dB/26dB/99% dB BANDWIDTH

LIMITS

FCC Part15, Subpart E/ RSS-247						
Test Item	Frequency Rang					
	26 dB Bandwidth	5150-5250				
	26 dB Bandwidth	5250-5350				
	26 dB Bandwidth	For FCC:5470-5725				
Bandwidth		For IC:5470-5600				
		5650-5725				
	Minimum 500kHz 6dB	5725-5850				
	Bandwidth	3725-5650				

RSS-247 ISSUE 2				
RSS-Gen Clause 6.6	99% Bandwidth	For reporting purposes only.	2400-2483.5	

TEST PROCEDUREC

Connect the UUT to the spectrum analyser and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	Peak
	For 6dB Bandwidth: RBW=100kHz
RBW	For 26dB Bandwidth: approximately 1% of the emission bandwidth.
	For 99dB Bandwidth: approximately 1%~5% of the emission bandwidth.
	For 6dB Bandwidth : VBW=300kHz
VBW	For 26dB Bandwidth: >3RBW
	For 99%dB Bandwidth: >3RBW
Trace	Max hold
Sweep	Auto couple

Allow the trace to stabilize and measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6/26/99% dB relative to the maximum level measured in the fundamental emission.

TEST SETUP



RESULTS



6.2.1. 802.11a MODE

6.2.1.1. UNII-1 BAND

Channel	Frequency (MHz)	26 dB BW (MHz)	99% BW (MHz)
Low	5180	23.43	16.923
Mid	5200	21.49	16.875
High	5240	21.49	16.957





6.2.1.1. UNII-2A BAND

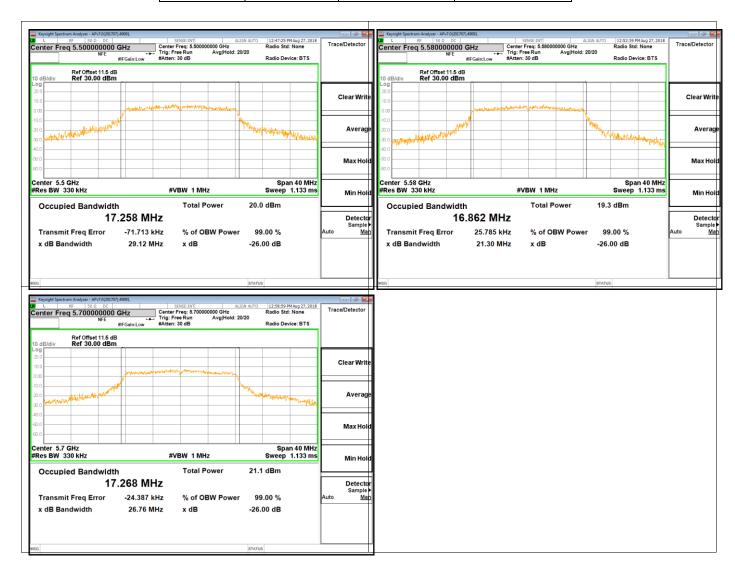
Channel	Frequency (MHz)	26 dB BW (MHz)	99% BW (MHz)
Low	5260	21.47	16.878
Mid	5300	23.27	16.892
High	5320	21.40	17.028





6.2.1.2. UNII-2C BAND

Channel	Frequency (MHz)	26 dB BW (MHz)	99% BW (MHz)
Low	5500	29.12	17.258
Mid	5580	21.30	16.862
High	5700	26.76	17.268



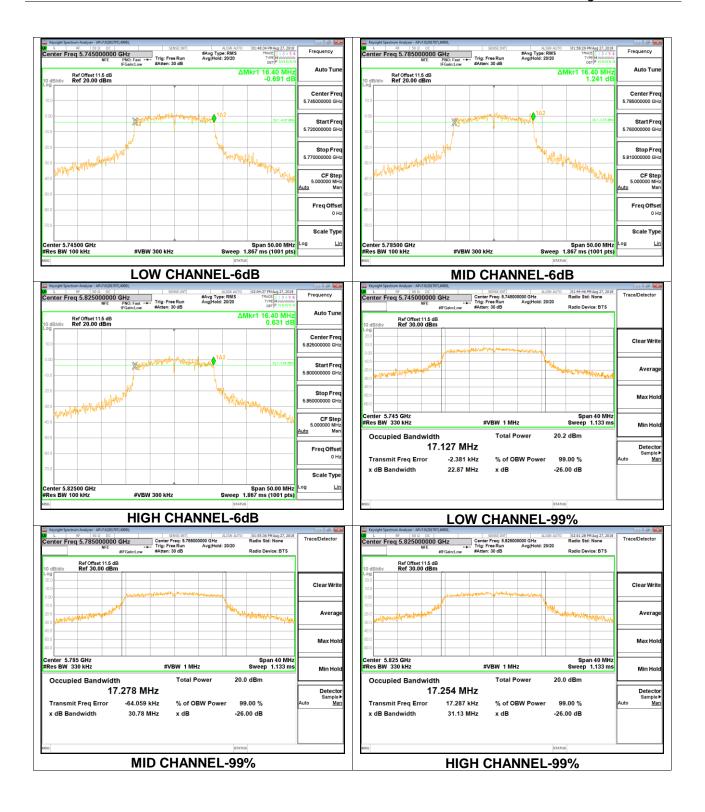


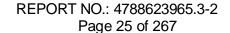
6.2.1.3. UNII-3 BAND

Channel	Frequency (MHz)	6 dB BW (MHz)	Limit (KHz)	Result
Low	5745	16.40	500	PASS
Mid	5785	16.40	500	PASS
High	5825	16.40	500	PASS

Channel	Frequency	99% BW	
	(MHz)	(MHz)	
Low	5745	17.127	
Mid	5785	17.278	
High	5825	17.254	





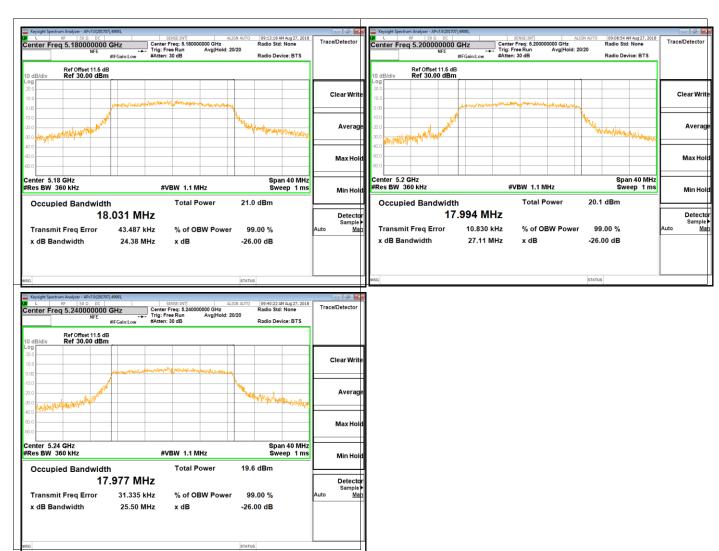




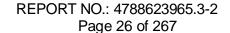
6.2.2. 802.11n HT20 MODE

6.2.2.1. UNII-1 BAND

Channel	Frequency (MHz)	26 dB BW (MHz)	99% BW (MHz)
Low	5180	24.38	18.031
Mid	5200	27.11	17.994
High	5240	25.50	17.977



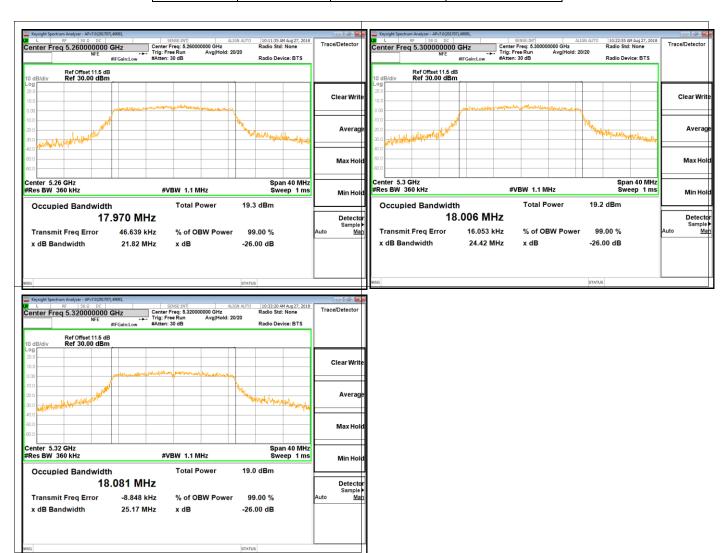
The results reported herein have been performed in accordance with the laboratory's terms of accreditation. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products. This report does not imply that the product(s) has met the criteria for certification.

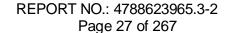




6.2.2.2. UNII-2A BAND

Channel	Frequency (MHz)	26 dB BW (MHz)	99% BW (MHz)
Low	5260	21.82	17.970
Mid	5300	24.42	18.006
High	5320	25.17	18.081

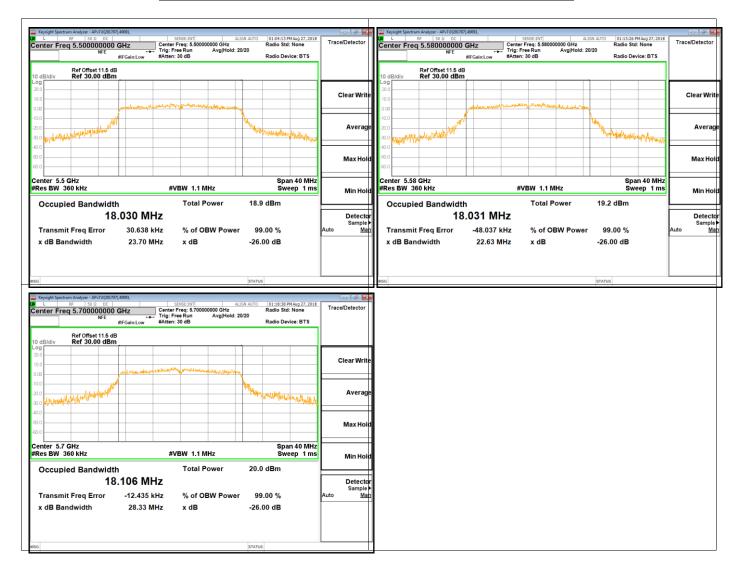






6.2.2.3. UNII-2C BAND

Channel	Frequency (MHz)	26 dB BW (MHz)	99% BW (MHz)
Low	5500	23.70	18.030
Mid	5580	22.63	18.031
High	5700	28.33	18.106



The results reported herein have been performed in accordance with the laboratory's terms of accreditation. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products. This report does not imply that the product(s) has met the criteria for certification.



6.2.2.4. UNII-3 BAND

Channel	Frequency (MHz)	6 dB BW (MHz)	Limit (KHz)	Result
Low	5745	17.70	500	PASS
Mid	5785	17.60	500	PASS
High	5825	16.80	500	PASS

Channel	Frequency (MHz)	99% BW (MHz)
Low	5745	18.220
Mid	5785	18.158
High	5825	18.080



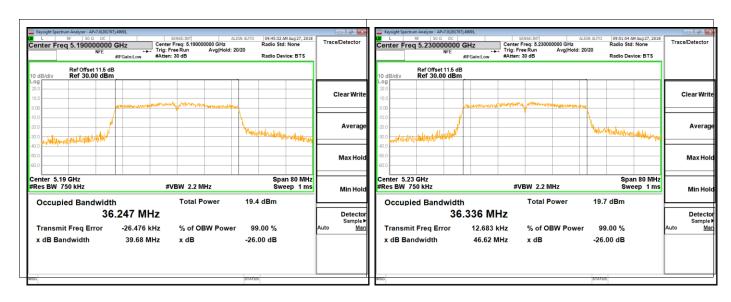




6.2.3. 802.11n HT40 MODE

6.2.3.1. UNII-1 BAND

Channel	Frequency (MHz)	26 dB BW (MHz)	99% BW (MHz)
Low	5190	39.68	36.247
High	5230	46.62	36.336





6.2.3.2. UNII-2A BAND

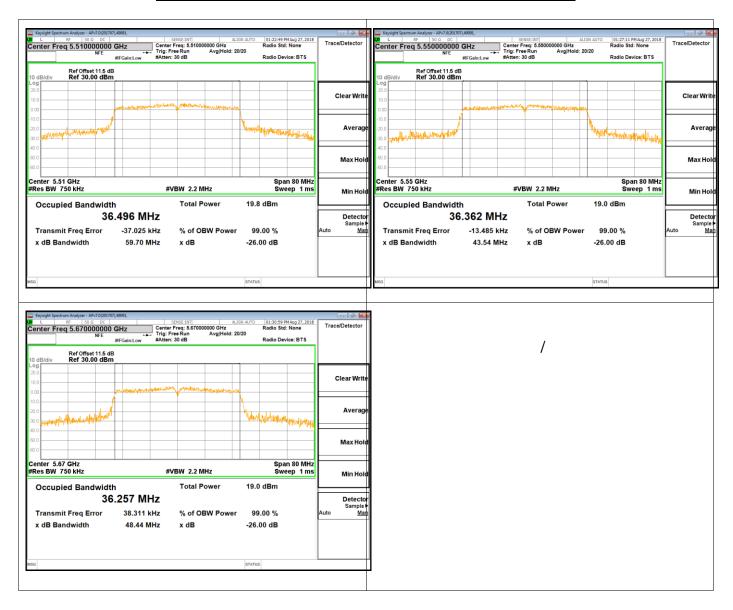
Channel	Frequency (MHz)	26 dB BW (MHz)	99% BW (MHz)
Low	5270	50.59	36.344
High	5310	45.25	36.402



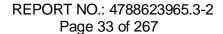


6.2.3.3. UNII-2C BAND

Channel	Frequency (MHz)	26 dB BW (MHz)	99% BW (MHz)
Low	5510	59.70	36.496
Mid	5550	43.54	36.362
High	5670	48.44	36.257



Page 40 of 267

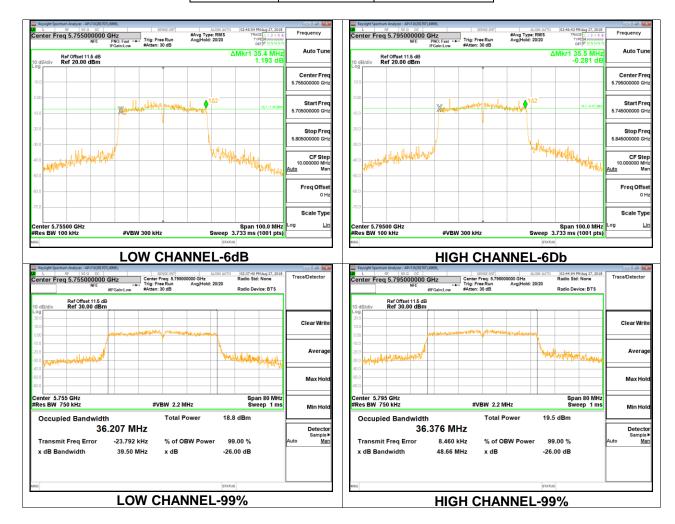




6.2.3.4. UNII-3 BAND

	Frequency	6 dB BW	Limit	Result
Channel	(MHz)	(MHz)	(KHz)	
Low	5755	35.40	500	PASS
High	5795	35.50	500	PASS

Channel	Frequency (MHz)	99% BW (MHz)	
Low	5755	36.207	
High	5795	36.376	





6.3. MAXIMUM CONDUCTED AV OUTPUT POWER

LIMITS

FCC Part15, Subpart E/ RSS-247						
Test Item	Limit	Frequency Range (MHz)				
Conducted Output Power	For FCC client devices :250mW (24dBm)	5150-5250				
	For RSS:e.i.r.p. power: not exceed 200 mW(23dBm) or 10 + 10 log10 B					
	250mW (24dBm)	5250-5350				
	250mW (24dBm)	For FCC:5470-5725 For IC:5470-5600 5650-5725				
	1 Watt (30dBm)	5725-5850				

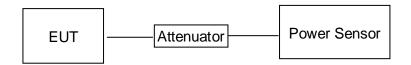
Note: If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

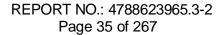
TEST PROCEDURE

Refer to KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Measurement using an RF average power meter.

Connect the EUT to the a broadband average RF power meter, the power meter shall have a video bandwidth that is greater than or equal to the bandwidth and shall utilize a fast-responding diode detector.

TEST SETUP







RESULTS

Mode	Channel	Conducted AV Power (dBm)	Limit
802.11a	5180	15.69	24
	5200	15.45	24
	5240	15.61	24
	5260	15.39	24
	5300	15.76	24
	5320	15.38	24
	5500	15.71	24
	5580	15.52	24
	5700	15.79	24
	5745	15.51	30
	5785	15.36	30
	5825	15.81	30
	5180	15.31	24
	5200	15.11	24
	5240	15.22	24
	5260	14.91	24
	5300	15.38	24
802.11n HT20	5320	15.11	24
002.111111120	5500	14.82	24
	5580	14.92	24
	5700	15.29	24
	5745	14.91	30
	5785	15.07	30
	5825	14.71	30
	5190	14.01	24
	5230	14.02	24
802.11n HT40	5270	14.04	24
	5310	14.32	24
	5510	14.12	24
	5590	14.01	24
	5670	13.78	30
	5755	13.76	30
	5795	14.16	30

Note: The test result has taking into account the duty factor.