

Test Report

Report No.:	MTi240424012-55E2
Date of issue:	2024-10-17
Applicant:	SHENZHEN POWEROAK NEWENER CO., LTD
Product name:	Portable Power Station
Model(s):	Elite 200 V2
FCC ID:	2AYT3-ELITE200V2

Shenzhen Microtest Co., Ltd. http://www.mtitest.cn

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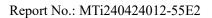




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•			



Test Result Certification			
Applicant: SHENZHEN POWEROAK NEWENER CO., LTD			
Address:	F19, BLD No.1, Kaidaer, Tongsha Rd No.168, Xili Street, Nanshan, Shenzhen, China		
Manufacturer:	SHENZHEN POWEROAK NEWENER CO., LTD		
Address:	F19, BLD No.1, Kaidaer, Tongsha Rd No.168, Xili Street, Nanshan, Shenzhen, China		
Product description			
Product name:	Portable Power Station		
Trademark:	BLUETTI		
Model name:	Elite 200 V2		
Series Model(s):	N/A		
Standards:	47 CFR Part 15.247		
Test Method:	ANSI C63.10-2013 KDB 558074 D01 15.247 Meas Guidance v05r02		
Date of Test			
Date of test:	2024-09-19 to 2024-10-13		
Test result:	Pass		

Test Engineer	•	James Qin
		(James Qin)
Reviewed By	•••	Dowid. Cee
		(David Lee)
Approved By	:	leon chen
		(Leon Chen)



1 General Description

1.1 Description of the EUT

Product name:	Portable Power Station	
Model name:	Elite 200 V2	
Series Model(s):	N/A	
Model difference:	N/A	
Electrical rating:	Input: AC: 120V 50/60Hz, 15A Max. DC/PV: DC12-60V 20A, 1000W Output: AC: 120V 50/60Hz, 2600W Total USB-A: DC5V3A, 15W Each port USB-C: DC5/9/12/15/20V 3A; DC20V5A Each Port (With E-Marker chip built in) Cigarette Lighter Port: DC12V10A AC & DC Output: 2800W Total Battery Capacity: 2073.6Wh, DC38.4V 54Ah	
Accessories:	N/A	
Hardware version:	19.0601.0740	
Software version:	2069-06	
Test sample(s) number:	MTi240424012-55S1001	
RF specification		
Operating frequency range:	802.11b/g/n20:2412~2462 MHz 802.11n40:2422~2452 MHz	
Channel number:	11	
Modulation type:	IEEE 802.11b : DSSS (DBPSK, DQPSK, CCK) IEEE 802.11g/n (HT20/HT40) : OFDM (64QAM, 16QAM, QPSK, BPSK)	
Antenna(s) type:	PCB ANT	
Antenna(s) gain:	3.37dBi	

1.2 Description of test modes

No.	Emission test modes	
Mode1	TX-802.11b	
Mode2	TX-802.11g	
Mode3	TX-802.11n(HT20)	
Mode4	TX-802.11n(HT40)	



1.2.1 Operation channel list

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	5	2432	9	2452
2	2417	6	2437	10	2457
3	2422	7	2442	11	2462
4	2427	8	2447	/	/

Test Channel List Operation Band: 2400-2483.5 MHz

Bandwidth	Lowest Channel (LCH)	Middle Channel (MCH)	Highest Channel (HCH)
(MHz)	(MHz)	(MHz)	(MHz)
20	2412	2437	2462
40	2422	2437	2452

Note: The test software provided by manufacturer is used to control EUT for working in engineering mode, that enables selectable channel, and capable of continuous transmitting mode.

Test Software: EspRFTestTool

For power setting, refer to below table.

Mode	2412MHz	2437MHz	2462MHz
802.11b	10	10	10
802.11g	15	15	15
802.11n(HT20)	15	15	15
/	2422MHz	2437MHz	2452MHz
802.11n(HT40)	15	15	15



1.3 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15°C ~ 35°C
Humidity:	20% RH ~ 75% RH
Atmospheric pressure:	98 kPa ~ 101 kPa

1.4 Description of support units

Support equipment list					
Description	Model	Serial No.	Manufacturer		
1	1	/	/		
Support cable list					
Description	Length (m)	From	То		
1	1	1	/		

1.5 Measurement uncertainty

Measurement	Uncertainty
Occupied channel bandwidth	±3 %
RF output power, conducted	±1 dB
Power Spectral Density, conducted	±1 dB
Unwanted Emissions, conducted	±1 dB
Radiated spurious emissions (above 1GHz)	±5.3dB
Radiated spurious emissions (9kHz~30MHz)	±4.3dB
Radiated spurious emissions (30MHz~1GHz)	±4.7dB
Temperature	±1 °C
Humidity	± 5 %

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





2 Summary of Test Result

No.	Item	Standard	Requirement	Result
1	Antenna requirement	47 CFR Part 15.247	47 CFR 15.203	Pass
2	Conducted Emission at AC power line	47 CFR Part 15.247	47 CFR 15.207(a)	Pass
3	Occupied Bandwidth	47 CFR Part 15.247	47 CFR 15.247(a)(2)	Pass
4	Maximum Conducted Output Power	47 CFR Part 15.247	47 CFR 15.247(b)(3)	Pass
5	Power Spectral Density	47 CFR Part 15.247	47 CFR 15.247(e)	Pass
6	RF conducted spurious emissions and band edge measurement	47 CFR Part 15.247	47 CFR 15.247(d), 15.209, 15.205	Pass
7	Band edge emissions (Radiated)	47 CFR Part 15.247	47 CFR 15.247(d), 15.209, 15.205	Pass
8	Radiated emissions (below 1GHz)	47 CFR Part 15.247	47 CFR 15.247(d), 15.209, 15.205	Pass
9	Radiated emissions (above 1GHz)	47 CFR Part 15.247	47 CFR 15.247(d), 15.209, 15.205	Pass



3 Test Facilities and accreditations

3.1 Test laboratory

Test laboratory:	Shenzhen Microtest Co., Ltd.					
Test site location:	101, No.7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China					
Telephone: (86-755)88850135						
Fax:	(86-755)88850136					
CNAS Registration No.:	CNAS L5868					
FCC Registration No.:	448573					
IC Registration No.:	21760					
CABID:	CN0093					



4 List of test equipment

No.	Equipment	Manufacturer	Model	Serial No.	Cal. date	Cal. Due
		Conducted En	nission at AC po	wer line		
1	EMI Test Receiver	Rohde&schwarz	ESCI3	101368	2024-03-20	2025-03-19
2	Artificial mains network	Schwarzbeck	NSLK 8127	183	2024-03-21	2025-03-20
3	Artificial Mains Network	Rohde & Schwarz	ESH2-Z5	100263	2024-03-20	2025-03-19
	RF cond	Maximum Co	B Bandwidth nducted Output Spectral Density issions and band	1	ent	
1	Wideband Radio Communication Tester	Rohde&schwarz	CMW500	149155	2024-03-20	2025-03-19
2	ESG Series Analog Ssignal Generator	Agilent	E4421B	GB40051240	2024-03-21	2025-03-20
3	PXA Signal Analyzer	Agilent	N9030A	MY51350296	2024-03-21	2025-03-20
4	Synthesized Sweeper	Agilent	83752A	3610A01957	2024-03-21	2025-03-20
5	MXA Signal Analyzer	Agilent	N9020A	MY50143483	2024-03-21	2025-03-20
6	RF Control Unit	Tonscend	JS0806-1	19D8060152	2024-03-21	2025-03-20
7	Band Reject Filter Group	Tonscend	JS0806-F	19D8060160	2024-03-21	2025-03-20
8	ESG Vector Signal Generator	Agilent	N5182A	MY50143762	2024-03-20	2025-03-19
9	DC Power Supply	Agilent	E3632A	MY40027695	2024-03-21	2025-03-20
			emissions (Radi iissions (above 1			
1	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2024-03-20	2025-03-19
2	Double Ridged Broadband Horn Antenna	schwarabeck	BBHA 9120 D	2278	2023-06-17	2025-06-16
3	Amplifier	Agilent	8449B	3008A01120	2024-03-20	2025-03-19
4	MXA signal analyzer	Agilent	N9020A	MY54440859	2024-03-21	2025-03-20
5	PXA Signal Analyzer	Agilent	N9030A	MY51350296	2024-03-21	2025-03-20
6	Horn antenna	Schwarzbeck	BBHA 9170	00987	2023-06-17	2025-06-16
7	Pre-amplifier Space-Dtronics		EWLAN1840 G	210405001	2024-03-21	2025-03-20
		Radiated em	issions (below [,]	1GHz)		
1	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2024-03-20	2025-03-19
2	TRILOG Broadband Antenna	schwarabeck	VULB 9163	9163-1338	2023-06-11	2025-06-10
3	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00066	2024-03-23	2025-03-22
4	Amplifier	Hewlett-Packard	8447F	3113A06184	2024-03-20	2025-03-19



5 Evaluation Results (Evaluation)

5.1 Antenna requirement

Test Requirement:	Refer to 47 CFR Part 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be
	considered sufficient to comply with the provisions of this section.

5.1.1 Conclusion:

The antenna of the EUT is permanently attached. The EUT complies with the requirement of FCC PART 15.203.



6 Radio Spectrum Matter Test Results (RF)

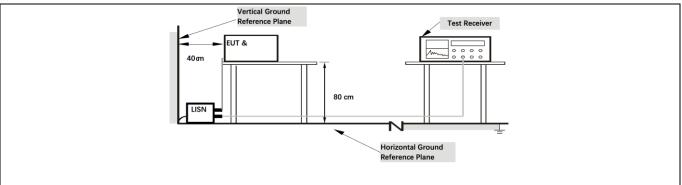
6.1 Conducted Emission at AC power line

Test Requirement:	Refer to 47 CFR 15.207(a), Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator 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).						
Test Limit:	Frequency of emission (MHz) Conducted limit (dBµV)						
		Quasi-peak	Average				
	0.15-0.5	66 to 56*	56 to 46*				
	0.5-5	56	46				
	5-30 60 50						
	*Decreases with the logarithm of	the frequency.					
Test Method:	ANSI C63.10-2013 section 6.2						
Procedure:	Refer to ANSI C63.10-2013 section 6.2, standard test method for ac power- line conducted emissions from unlicensed wireless devices						

6.1.1 E.U.T. Operation:

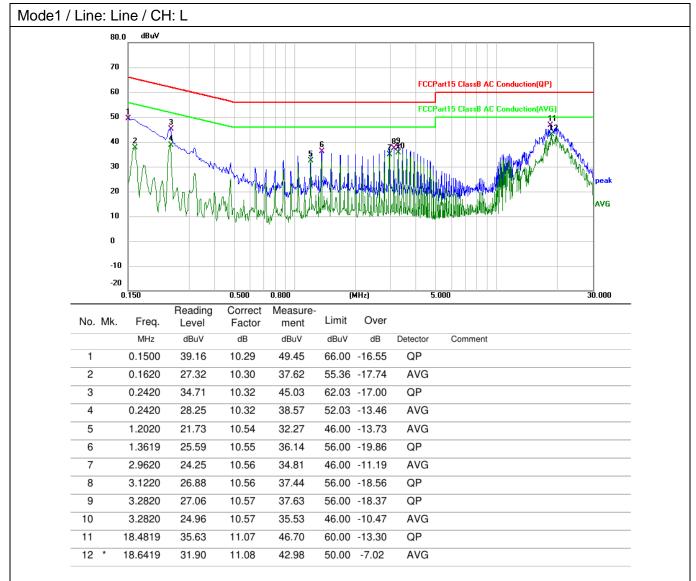
Operating Environment:								
Temperature: 25.9 °C			Humidity:	44 %	Atmospheric Pressure:	101 kPa		
Pre test mode:		Mode1, Mode2, Mode3, Mode4						
Final test mode		•	re-test mode w ded in the repo	vere tested, only the data o ort	of the worst mode			

6.1.2 Test Setup Diagram:

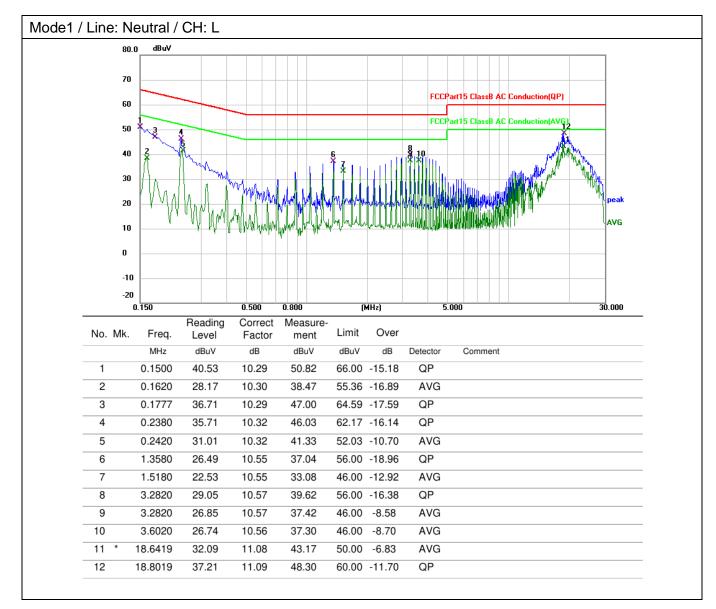




6.1.3 Test Data:







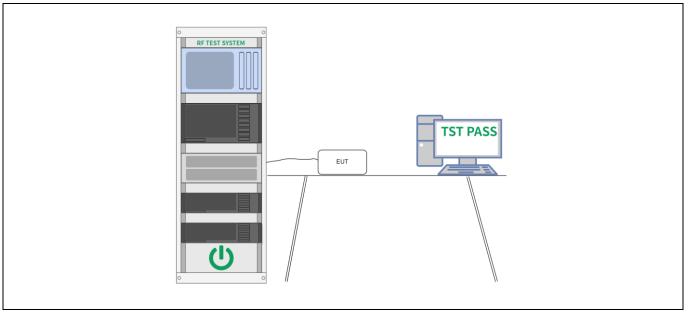
6.2 6dB Bandwidth

Test Requirement:	47 CFR 15.247(a)(2)
Test Limit:	Refer to 47 CFR 15.247(a)(2), Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Test Method:	ANSI C63.10-2013, section 11.8 KDB 558074 D01 15.247 Meas Guidance v05r02
Procedure:	 a) Set RBW = 100 kHz. b) Set the VBW >= [3 × RBW]. c) Detector = peak. d) Trace mode = max hold. e) Sweep = auto couple. f) Allow the trace to stabilize. g) 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 dB relative to the maximum level measured in the fundamental emission.

6.2.1 E.U.T. Operation:

Operating Environment:								
Temperature: 25.4 °C			Humidity:	67.5 %	Atmospheric Pressure:	100 kPa		
Pre test mode:		Mode	e1, Mode2, I	Mode3, Mode4				
Final test mode:		Mode	e1, Mode2, I	Mode3, Mode4				

6.2.2 Test Setup Diagram:



6.2.3 Test Data:



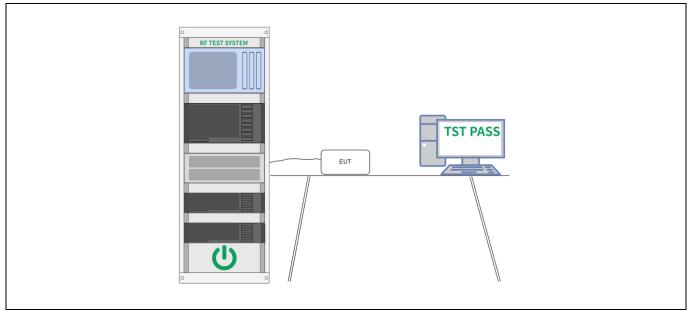
6.3 Maximum Conducted Output Power

Test Requirement:	47 CFR 15.247(b)(3)
Test Limit:	Refer to 47 CFR 15.247(b)(3), For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Test Method:	ANSI C63.10-2013, section 11.9.1 KDB 558074 D01 15.247 Meas Guidance v05r02
Procedure:	ANSI C63.10-2013, section 11.9.1 Maximum peak conducted output power

6.3.1 E.U.T. Operation:

Operating Environment:								
Temperature:25.4 °CHumidity:67.5 %Atmospheric Pressure:100 kPa					100 kPa			
Pre test mode:	Mode	e1, Mode2,	Mode3, Mode4					
Final test mode:		Mode	e1, Mode2,	Mode3, Mode4				

6.3.2 Test Setup Diagram:



6.3.3 Test Data:



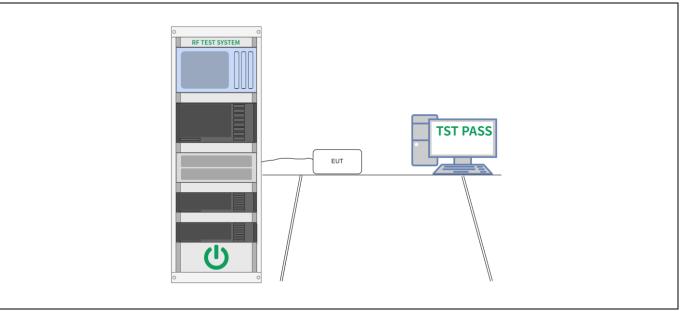
6.4 Power Spectral Density

Test Requirement:	47 CFR 15.247(e)
Test Limit:	Refer to 47 CFR 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. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.
Test Method:	ANSI C63.10-2013, section 11.10 KDB 558074 D01 15.247 Meas Guidance v05r02
Procedure:	ANSI C63.10-2013, section 11.10, Maximum power spectral density level in the fundamental emission

6.4.1 E.U.T. Operation:

Operating Envi	Operating Environment:								
Temperature: 25.4 °C			Humidity:	67.5 %	Atmospheric Pressure:	100 kPa			
Pre test mode:	Mode	e1, Mode2,	Mode3, Mode	4					
Final test mode:		Mode	e1, Mode2,	Mode3, Mode	4				

6.4.2 Test Setup Diagram:



6.4.3 Test Data:



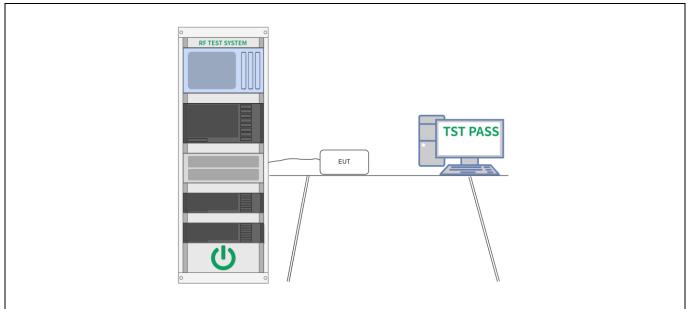
6.5 RF conducted spurious emissions and band edge measurement

Test Requirement:	47 CFR 15.247(d), 15.209, 15.205
Test Limit:	Refer to 47 CFR 15.247(d), In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required.
Test Method:	ANSI C63.10-2013 section 11.11 KDB 558074 D01 15.247 Meas Guidance v05r02
Procedure:	ANSI C63.10-2013 Section 11.11.1, Section 11.11.2, Section 11.11.3

6.5.1 E.U.T. Operation:

Operating Environment:								
Temperature:	Temperature:25.4 °CHumidity:67.5 %Atmospheric Pressure:100 kPa							
Pre test mode:		Mode	e1, Mode2,	Mode3, Mode4	1			
Final test mode	e:	Mode	e1, Mode2,	Mode3, Mode4	4			

6.5.2 Test Setup Diagram:



6.5.3 Test Data:



6.6 Band edge emissions (Radiated)

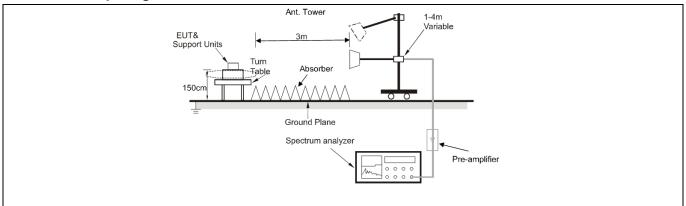
Test Requirement:	restricted bands, as de	7(d), In addition, radiated em fined in § 15.205(a), must als s specified in § 15.209(a)(see	so comply with the			
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)			
	0.009-0.490	2400/F(kHz)	300			
	0.490-1.705	24000/F(kHz)	30			
	1.705-30.0	30	30			
	30-88	100 **	3			
	88-216	150 **	3			
	216-960	200 **	3			
	Above 960	500	3			
	 ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in th frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under othe sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurement employing a CISPR quasi-peak detector except for the frequency bands § kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector 					
Test Method:	ANSI C63.10-2013 sec KDB 558074 D01 15.2	tion 6.10 47 Meas Guidance v05r02				
Procedure:	ANSI C63.10-2013 sec	ction 6.10.5.2				

6.6.1 E.U.T. Operation:

Operating Environment:							
Temperature:	26°C		Humidity:	54 %	Atmospheric Pressure:	101 kPa	
Pre test mode:		Mod	e1, Mode2,	Mode3, Mode4			
Final test mode	e:			re-test mode w ded in the repo	vere tested, only the data only the data on the data of the data o	of the worst mode	
Note:							

The amplitude of spurious emissions which are attenuated more than 20 dB below the limits are not reported.

6.6.2 Test Setup Diagram:





6.6.3 Test Data:

Mode4 /	Polari	zatic	on: Horizont	al / CH: L					
	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
	1		2310.000	53.66	-4.83	48.83	74.00	-25.17	peak
	2		2310.000	44.12	-4.83	39.29	54.00	-14.71	AVG
	3		2390.000	67.34	-4.31	63.03	74.00	-10.97	peak
	4	*	2390.000	55.01	-4.31	50.70	54.00	-3.30	AVG

Mode4 / Polarization: Vertical / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		2310.000	51.65	-4.83	46.82	74.00	-27.18	peak
2		2310.000	41.42	-4.83	36.59	54.00	-17.41	AVG
3		2390.000	61.63	-4.31	57.32	74.00	-16.68	peak
4	*	2390.000	50.90	-4.31	46.59	54.00	-7.41	AVG

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		2483.500	66.74	-4.21	62.53	74.00	-11.47	peak
2	*	2483.500	51.88	-4.21	47.67	54.00	-6.33	AVG
3		2500.000	55.91	-4.10	51.81	74.00	-22.19	peak
4		2500.000	46.18	-4.10	42.08	54.00	-11.92	AVG

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		2483.500	62.19	-4.21	57.98	74.00	-16.02	peak
2	*	2483.500	47.41	-4.21	43.20	54.00	-10.80	AVG
3		2500.000	53.12	-4.10	49.02	74.00	-24.98	peak
4		2500.000	42.94	-4.10	38.84	54.00	-15.16	AVG



Radiated emissions (below 1GHz) 6.7

Test Requirement:	restricted bands, as de	7(d), In addition, radiated em fined in § 15.205(a), must als s specified in § 15.209(a)(see	so comply with the			
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)			
	0.009-0.490	2400/F(kHz)	300			
	0.490-1.705	24000/F(kHz)	30			
	1.705-30.0	30	30			
	30-88	100 **	3			
	88-216	150 **	3			
	216-960	200 **	3			
	Above 960	500	3			
	 ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MH However, operation within these frequency bands is permitted under oth sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measureme employing a CISPR quasi-peak detector except for the frequency bands kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in the three bands are based on measurements employing an average detector. 					
Test Method:	ANSI C63.10-2013 sec KDB 558074 D01 15.2	ction 6.6.4 47 Meas Guidance v05r02				
Procedure:	ANSI C63.10-2013 sec	ction 6.6.4				

6.7.1 E.U.T. Operation:

Operating Environment:								
Temperature: 26	0°C	Humidity:	54 %	Atmospheric Pressure:	101 kPa			
Pre test mode: Mode1, Mode2, Mode3, Mode4								
Final test mode:All of the listed pre-test mode were tested, only the data of the worst mode (Mode1) is recorded in the report								
Noto:								

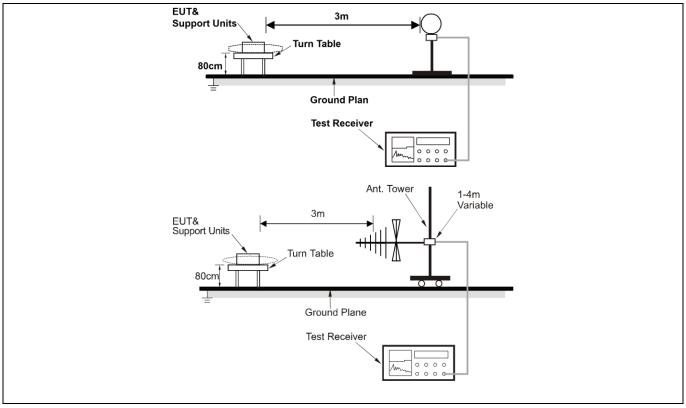
Note:

The amplitude of spurious emissions which are attenuated more than 20 dB below the limits are not reported.

All modes of operation of the EUT were investigated, and only the worst-case results are reported. There were no emissions found below 30MHz within 20dB of the limit.

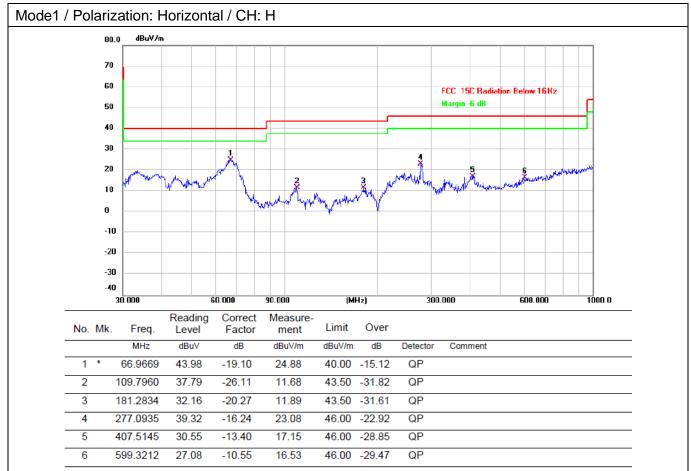


6.7.2 Test Setup Diagram:



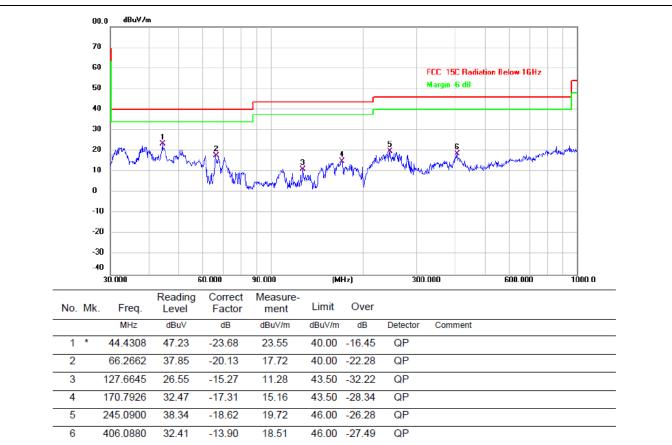


6.7.3 Test Data:





Mode1 / Polarization: Vertical / CH: H





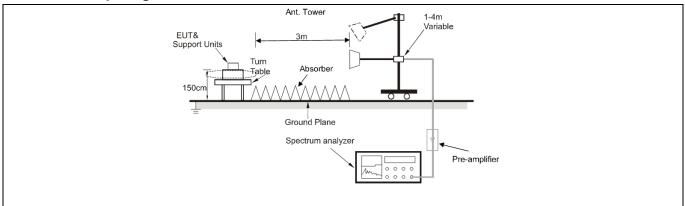
6.8 Radiated emissions (above 1GHz)

Test Requirement:	-	nissions which fall in the rest comply with the radiated em 5(c)).`	-
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30	30
	30-88	100 **	3
	88-216	150 **	3
	216-960	200 **	3
	Above 960	500	3
	intentional radiators op frequency bands 54-72 However, operation wit sections of this part, e. In the emission table a The emission limits sho employing a CISPR qu kHz, 110–490 kHz and	n paragraph (g), fundamenta erating under this section sh 2 MHz, 76-88 MHz, 174-216 thin these frequency bands is g., §§ 15.231 and 15.241. bove, the tighter limit applies own in the above table are ba asi-peak detector except for above 1000 MHz. Radiated on measurements employing	all not be located in the MHz or 470-806 MHz. s permitted under other at the band edges. ased on measurements the frequency bands 9–90 emission limits in these
Test Method:	ANSI C63.10-2013 sec KDB 558074 D01 15.2	tion 6.6.4 47 Meas Guidance v05r02	
Procedure:	ANSI C63.10-2013 sec	ction 6.6.4	

6.8.1 E.U.T. Operation:

Operating Env	ironment					
Temperature:	26 °C		Humidity:	54 %	Atmospheric Pressure:	101kPa
Pre test mode: Mode1, Mode2, Mode3, Mode4						
Final test mode: All of the listed pre-test mode were tested, only the data of the worst mode (Mode1) is recorded in the report						
Note: Test frequency are from 1GHz to 25GHz, the amplitude of spurious emissions which are attenuated more than 20 dB below the limits are not reported. All modes of operation of the EUT were investigated, and only the worst-case results are reported.						

6.8.2 Test Setup Diagram:





6.8.3 Test Data:

Mode1 /	Mode1 / Polarization: Horizontal / CH: L												
	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over					
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector				
	1		4824.000	52.15	0.52	52.67	74.00	-21.33	peak				
	2	*	4824.000	50.48	0.52	51.00	54.00	-3.00	AVG				
	3		7236.000	46.67	7.63	54.30	74.00	-19.70	peak				
	4		7236.000	40.99	7.63	48.62	54.00	-5.38	AVG				
	5		9648.000	44.48	8.99	53.47	74.00	-20.53	peak				
	6		9648.000	39.70	8.99	48.69	54.00	-5.31	AVG				

Mode1 /	Polarizat	ion: Vertical /	CH: L					
	No. M	lk. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
	1	4824.000	51.76	0.52	52.28	74.00	-21.72	peak
	2 *	4824.000	50.31	0.52	50.83	54.00	-3.17	AVG
	3	7236.000	45.71	7.63	53.34	74.00	-20.66	peak
	4	7236.000	39.99	7.63	47.62	54.00	-6.38	AVG
	5	9648.000	47.28	8.99	56.27	74.00	-17.73	peak
	6	9648.000	41.65	8.99	50.64	54.00	-3.36	AVG
				2.00				



Mode1 / Polari	Iode1 / Polarization: Horizontal / CH: M									
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector		
1		4874.000	51.56	0.55	52.11	74.00	-21.89	peak		
2	*	4874.000	49.79	0.55	50.34	54.00	-3.66	AVG		
3		7311.000	46.74	7.46	54.20	74.00	-19.80	peak		
4		7311.000	40.90	7.46	48.36	54.00	-5.64	AVG		
5		9748.000	45.09	9.32	54.41	74.00	-19.59	peak		
6		9748.000	39.42	9.32	48.74	54.00	-5.26	AVG		

No. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	4874.000	52.43	0.55	52.98	74.00	-21.02	peak
2 *	4874.000	50.38	0.55	50.93	54.00	-3.07	AVG
3	7311.000	44.81	7.46	52.27	74.00	-21.73	peak
4	7311.000	39.29	7.46	46.75	54.00	-7.25	AVG
5	9748.000	45.20	9.32	54.52	74.00	-19.48	peak
6	9748.000	39.35	9.32	48.67	54.00	-5.33	AVG



Mode1 / Polarization: Horizontal / CH: H									
_	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
_			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
	1		4924.000	50.81	0.59	51.40	74.00	-22.60	peak
	2	*	4924.000	49.09	0.59	49.68	54.00	-4.32	AVG
_	3		7386.000	46.88	7.93	54.81	74.00	-19.19	peak
	4		7386.000	40.72	7.93	48.65	54.00	-5.35	AVG
	5		9848.000	44.34	9.00	53.34	74.00	-20.66	peak
	6		9848.000	38.59	9.00	47.59	54.00	-6.41	AVG

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4924.000	51.96	0.59	52.55	74.00	-21.45	peak
2	*	4924.000	50.30	0.59	50.89	54.00	-3.11	AVG
3		7386.000	46.27	7.93	54.20	74.00	-19.80	peak
4		7386.000	40.69	7.93	48.62	54.00	-5.38	AVG
5		9848.000	44.02	9.00	53.02	74.00	-20.98	peak
6		9848.000	38.32	9.00	47.32	54.00	-6.68	AVG



Photographs of the test setup

Refer to Appendix - Test Setup Photos



Photographs of the EUT

Refer to Appendix - EUT Photos

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Appendix

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Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	Limit [MHz]	Verdict
		2412	9.080	0.5	PASS
11B	Ant1	2437	9.080	0.5	PASS
		2462	9.520	0.5	PASS
11G		2412	16.360	0.5	PASS
	Ant1	2437	16.480	0.5	PASS
		2462	16.280	0.5	PASS
11N20SISO		2412	17.560	0.5	PASS
	Ant1	2437	17.640	0.5	PASS
		2462	17.720	0.5	PASS
		2422	32.560	0.5	PASS
11N40SISO	Ant1	2437	31.280	0.5	PASS
		2452	32.560	0.5	PASS



Test Graphs

