Test Report

Report No.	:	**MTi260420016-0305E1**
Date of issue	:	**2026-06-05**
Applicant	:	**Dongguan Chuangjie Electronics Co., Ltd.**
Product	:	**3 in 1 Wireless Charger**
Model(s)	:	**A07**
FCC ID	:	**2BDOG-A07**

Shenzhen Microtest Co., Ltd.

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Test Result Certification	
Applicant	Dongguan Chuangjie Electronics Co., Ltd.
Applicant Address	No.8, Jinxing Road, Jinfenghuang Industrial District, Fenggang Town, Dongguan City, China.
Manufacturer	Dongguan Chuangjie Electronics Co., Ltd.
Manufacturer Address	No.8 Jinxing Road, Fenggang Town, Dongguan City, Guangdong Province
Factory	Dongguan Chuangjie Electronics Co., Ltd.
Factory Address	No.8 Jinxing Road, Fenggang Town, Dongguan City, Guangdong Province
Product description	
Product name	3 in 1 Wireless Charger
Trademark	N/A
Model name	A07
Series Model(s)	N/A
Standards	47 CFR Part 15C
Test Method	ANSI C63.10-2020 + Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024
Testing Information	
Date of test	2026-05-24 to 2026-06-04
Test result	Pass

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Reviewed by:	David Lee	David. Lee
Approved by:	Lewis Lian	Lewis Lian

TEST REPORT

Report No.: MTi260420016-0305E1

1 General Description

1.1 Description of the EUT

Product name:	3 in 1 Wireless Charger
Model name:	A07
Series Model(s):	N/A
Model difference:	N/A
Electrical rating:	Input: 9V⎓3A Wireless Output Phone: 5W/ 7.5W/ 10W/ 15W Wireless Output Earphone: 5W Wireless Output Watch: 2.5W
Accessories:	N/A
Hardware version:	Mainboard: CJ-A07 Watch: CJ-A08
Software version:	Mainboard: CJ-A07 V1.0 Watch: CJ-A08 V1.0
Test sample(s) number:	MTi260420016-03-R001
RF specification	
Operating frequency range:	Coil 1&2 (Phone): 115-205kHz Coil 3 (Earphone): 115-205kHz Coil 4 (Watch): 320-330kHz
Modulation type:	ASK
Antenna(s) type:	Coil

1.2 Description of test modes

No.	Emission test modes
Mode1	Wireless Output Phone(Coil1: 5W)+Earphone(5W)+Watch(2.5W)
Mode2	Wireless Output Phone(Coil1: 7.5W)+Earphone(5W)+Watch(2.5W)
Mode3	Wireless Output Phone(Coil1: 10W)+Earphone(5W)+Watch(2.5W)
Mode4	Wireless Output Phone(Coil1: 15W)+Earphone(5W)+Watch(2.5W)
Mode5	Wireless Output Phone(Coil2: 5W)+Earphone(5W)+Watch(2.5W)
Mode6	Wireless Output Phone(Coil2: 7.5W)+Earphone(5W)+Watch(2.5W)
Mode7	Wireless Output Phone(Coil2: 10W)+Earphone(5W)+Watch(2.5W)
Mode8	Wireless Output Phone(Coil2: 15W)+Earphone(5W)+Watch(2.5W)
Mode9	Wireless Output Phone(Coil1: 5W)+Earphone(5W)
Mode10	Wireless Output Phone(Coil1: 7.5W)+Earphone(5W)
Mode11	Wireless Output Phone(Coil1: 10W)+Earphone(5W)
Mode12	Wireless Output Phone(Coil1: 15W)+Earphone(5W)
Mode13	Wireless Output Phone(Coil1: 5W)+Watch(2.5W)
Mode14	Wireless Output Phone(Coil1: 7.5W)+Watch(2.5W)

Mode15	Wireless Output Phone(Coil1: 10W)+Watch(2.5W)
Mode16	Wireless Output Phone(Coil1: 15W)+Watch(2.5W)
Mode17	Wireless Output Phone(Coil2: 5W)+Earphone(5W)
Mode18	Wireless Output Phone(Coil2: 7.5W)+Earphone(5W)
Mode19	Wireless Output Phone(Coil2: 10W)+Earphone(5W)
Mode20	Wireless Output Phone(Coil2: 15W)+Earphone(5W)
Mode21	Wireless Output Phone(Coil2: 5W) +Watch(2.5W)
Mode22	Wireless Output Phone(Coil2: 7.5W)+Watch(2.5W)
Mode23	Wireless Output Phone(Coil2: 10W)+Watch(2.5W)
Mode24	Wireless Output Phone(Coil2: 15W)+Watch(2.5W)
Mode25	Wireless Output Earphone(5W)+Watch(2.5W)
Mode26	Wireless Output Phone(Coil1: 5W)
Mode27	Wireless Output Phone(Coil1: 7.5W)
Mode28	Wireless Output Phone(Coil1: 10W)
Mode29	Wireless Output Phone(Coil1: 15W)
Mode30	Wireless Output Phone(Coil2: 5W)
Mode31	Wireless Output Phone(Coil2: 7.5W)
Mode32	Wireless Output Phone(Coil2: 10W)
Mode33	Wireless Output Phone(Coil2: 15W)
Mode34	Wireless Output Earphone(5W)
Mode35	Wireless Output +Watch(2.5W)
Mode36	stand by

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
HUAWEI QUICK CHARGE(65W)	HW-200200ZP1	JN67LSN7N03451	HUAWEI
wireless charging load	YBZ2.1	/	YBZ
wireless charging load	HC-RX-20231001	/	HAN CAI ELECTRON
wireless charging load	YBZ(V2.0.4)	/	YBZ
Support cable list			
Description	Length (m)	From	To
/	/	/	/

1.5 Measurement uncertainty

Measurement	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	±3.1dB
Occupied channel bandwidth	±3 %
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 15C	47 CFR Part 15.203	Pass
2	Conducted Emission at AC power line	47 CFR Part 15C	47 CFR Part 15.207(a)	Pass
3	20dB Occupied Bandwidth	47 CFR Part 15C	47 CFR Part 15.215(c)	Pass
4	Emissions in frequency bands (below 30MHz)	47 CFR Part 15C	47 CFR Part 15.209	Pass
5	Emissions in frequency bands (30MHz - 1GHz)	47 CFR Part 15C	47 CFR Part 15.209	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 Emission at AC power line						
1	EMI Test Receiver	Rohde&schwarz	ESCI3	101368	2026-03-10	2027-03-09
2	Artificial mains network	Schwarzbeck	NSLK 8127	183	2026-03-11	2027-03-10
3	Artificial Mains Network	Rohde & Schwarz	ESH2-Z5	100263	2026-03-10	2027-03-09
4	EMI Test Software	Farad	EZ-EMC	Ver. EMEC-3A1	/	/
20dB Occupied Bandwidth						
1	Wideband Radio Communication Tester	Rohde&schwarz	CMW500	149155	2026-03-09	2027-03-08
2	ESG Series Analog Ssignal Generator	Agilent	E4421B	GB40051240	2026-03-09	2027-03-08
3	PXA Signal Analyzer	Agilent	N9030A	MY51350296	2026-03-10	2027-03-09
4	Synthesized Sweeper	Agilent	83752A	3610A01957	2026-03-10	2027-03-09
5	MXA Signal Analyzer	Agilent	N9020A	MY50143483	2026-03-09	2027-03-08
6	RF Control Unit	Tonscend	JS0806-1	19D8060152	2026-03-11	2027-03-10
7	Band Reject Filter Group	Tonscend	JS0806-F	19D8060160	2026-03-11	2027-03-10
8	ESG Vector Signal Generator	Agilent	N5182A	MY50143762	2026-03-10	2027-03-09
9	DC Power Supply	Agilent	E3632A	MY40027695	2026-03-09	2027-03-08
10	RF Test System	Tonscend	JS1120-3 Test System	V3.6.21	/	/
Emissions in frequency bands (below 30MHz)						
1	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2026-03-10	2027-03-09
2	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00066	2026-03-08	2028-03-07
3	Amplifier	Hewlett-Packard	8447F	3113A06184	2026-03-10	2027-03-09
4	EMI Test Software	Farad	EZ-EMC	Ver. EMEC-3A1	/	/
Emissions in frequency bands (30MHz - 1GHz)						
1	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2026-03-10	2027-03-09
2	TRILOG Broadband Antenna	schwarabeck	VULB 9163	9163-1338	2025-05-23	2027-05-22
3	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00066	2026-03-08	2028-03-07

No.	Equipment	Manufacturer	Model	Serial No.	Cal. date	Cal. Due
4	Amplifier	Hewlett-Packard	8447F	3113A06184	2026-03-10	2027-03-09
5	EMI Test Software	Farad	EZ-EMC	Ver. EMEC-3A1	/	/

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)

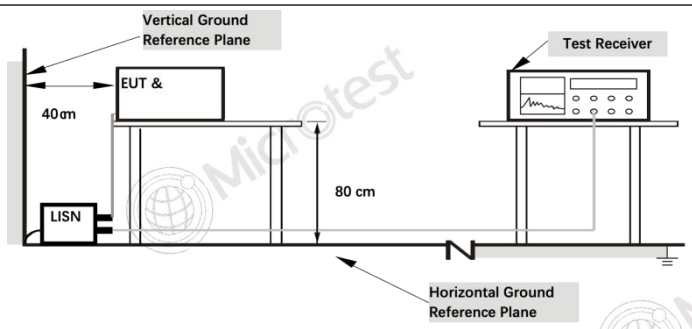
6.1 Conducted Emission at AC power line

Test Requirement:	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 μH/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 C63.10-2020 + Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024 section 6.2
Procedure:	Refer to ANSI C63.10-2020 + Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024 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:	28 °C	Humidity:	63 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10, Mode11, Mode12, Mode13, Mode14, Mode15, Mode16, Mode17, Mode18, Mode19, Mode20, Mode21, Mode22, Mode23, Mode24, Mode25, Mode26, Mode27, Mode28, Mode29, Mode30, Mode31, Mode32, Mode33, Mode34, Mode35, Mode36				
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				

6.1.2 Test Setup Diagram:

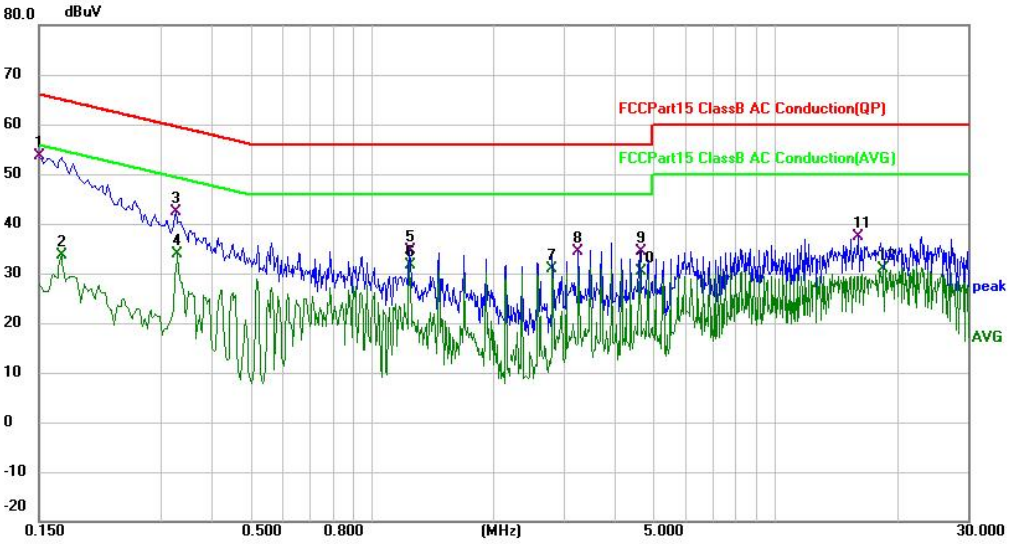


6.1.3 Test Data:

Calculation formula:

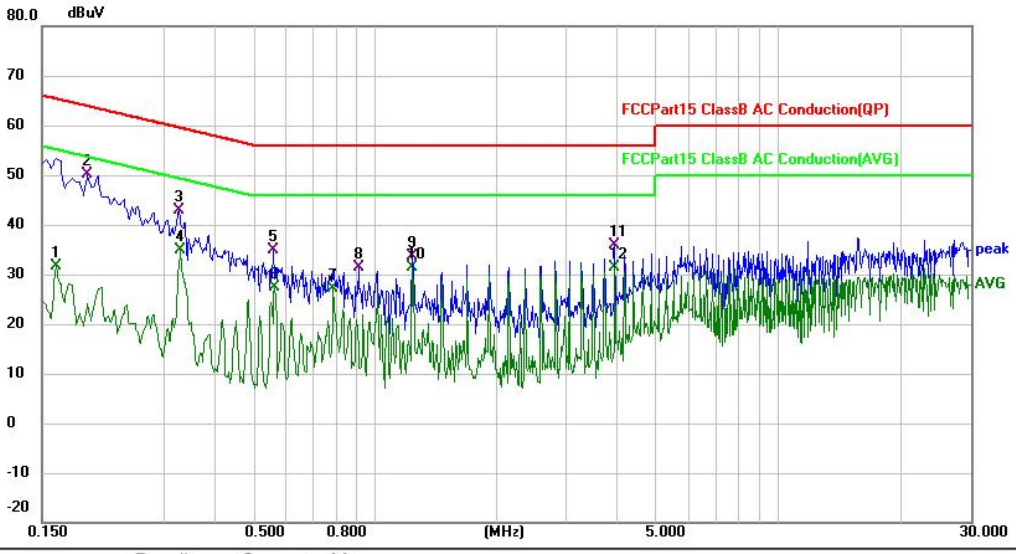
Measurement (dBμV) = Reading Level (dBμV) + Correct Factor (dB)
Correct Factor (dB)= LISN Factor + Cable Loss + Pulse Limiter Factor
Over (dB) = Measurement (dBμV) – Limit (dBμV)

Mode1 / Line: Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1500	43.10	10.46	53.56	66.00	-12.44	QP	
2		0.1700	23.27	10.48	33.75	54.96	-21.21	AVG	
3		0.3260	31.83	10.53	42.36	59.55	-17.19	QP	
4		0.3300	23.36	10.53	33.89	49.45	-15.56	AVG	
5		1.2420	24.00	10.66	34.66	56.00	-21.34	QP	
6		1.2420	20.96	10.66	31.62	46.00	-14.38	AVG	
7		2.8220	20.06	10.78	30.84	46.00	-15.16	AVG	
8		3.2740	23.50	10.78	34.28	56.00	-21.72	QP	
9		4.6260	23.49	10.79	34.28	56.00	-21.72	QP	
10		4.6260	19.48	10.79	30.27	46.00	-15.73	AVG	
11		16.1100	26.27	11.01	37.28	60.00	-22.72	QP	
12		18.5020	19.76	11.06	30.82	50.00	-19.18	AVG	

Mode1 / Line: Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1620	21.13	10.49	31.62	55.36	-23.74	AVG	
2	*	0.1940	39.62	10.49	50.11	63.86	-13.75	QP	
3		0.3260	32.36	10.53	42.89	59.55	-16.66	QP	
4		0.3300	24.40	10.53	34.93	49.45	-14.52	AVG	
5		0.5620	24.30	10.57	34.87	56.00	-21.13	QP	
6		0.5660	16.77	10.57	27.34	46.00	-18.66	AVG	
7		0.7900	16.44	10.61	27.05	46.00	-18.95	AVG	
8		0.9100	20.81	10.62	31.43	56.00	-24.57	QP	
9		1.2420	23.00	10.65	33.65	56.00	-22.35	QP	
10		1.2420	20.65	10.65	31.30	46.00	-14.70	AVG	
11		3.9500	25.11	10.77	35.88	56.00	-20.12	QP	
12		3.9500	20.70	10.77	31.47	46.00	-14.53	AVG	

6.2 20dB Occupied Bandwidth

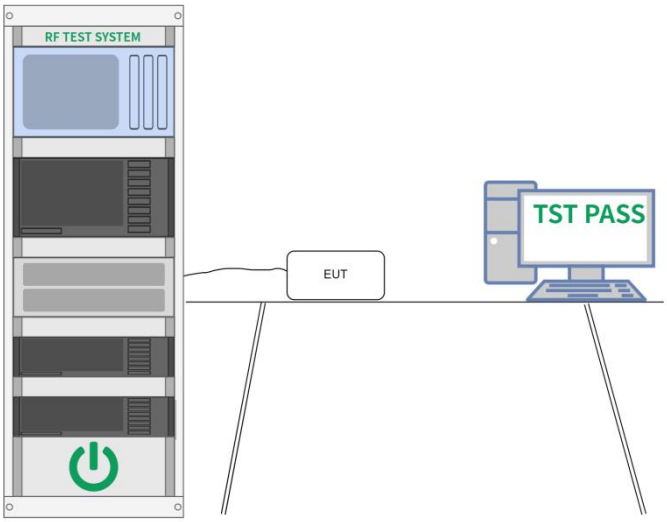
Test Requirement:	47 CFR Part 15.215(c)
Test Limit:	Refer to 47 CFR 15.215(c), intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.
Test Method:	ANSI C63.10-2020 + Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024, section 6.9.2
Procedure:	a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the EMI receiver or spectrum analyzer shall be between two times and five times the OBW. b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video bandwidth (VBW) shall be approximately three times RBW, unless otherwise specified by the applicable requirement. c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2. d) Steps a) through c) might require iteration to adjust within the specified tolerances. e) The dynamic range of the instrument at the selected RBW shall be more than 10 dB below the target “−xx dB down” requirement; that is, if the requirement calls for measuring the −20 dB OBW, the instrument noise floor at the selected RBW shall be at least 30 dB below the reference value. f) Set detection mode to peak and trace mode to max hold. g) Determine the reference value: Set the EUT to transmit an unmodulated carrier or modulated signal, as applicable. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value). h) Determine the “−xx dB down amplitude” using [(reference value) − xx]. Alternatively, this calculation may be made by using the marker-delta function of the instrument. i) If the reference value is determined by an unmodulated carrier, then turn the EUT modulation ON, and either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise, the trace from step g) shall be used for step j). j) Place two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-xx dB down amplitude” determined in step h). If a marker is below this “−xx dB down amplitude” value, then it shall be as close as possible to this value. The occupied bandwidth is the frequency difference between the two markers. Alternatively, set a marker at the lowest frequency of the envelope of the spectral display, such that the marker is at or slightly below the “-xx dB down amplitude” determined in step h). Reset the marker-delta function and move the marker to the other side of the emission until the delta marker amplitude is at the same level as the reference marker amplitude. The marker-delta frequency reading at this point is the specified emission bandwidth.

	k) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

6.2.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23 °C	Humidity:	45 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10, Mode11, Mode12, Mode13, Mode14, Mode15, Mode16, Mode17, Mode18, Mode19, Mode20, Mode21, Mode22, Mode23, Mode24, Mode25, Mode26, Mode27, Mode28, Mode29, Mode30, Mode31, Mode32, Mode33, Mode34, Mode35, Mode36				
Final test mode:	All of the listed pre-test mode were tested, only the data of the worst mode (Mode29, Mode33, Mode34, Mode35) is recorded in the report				

6.2.2 Test Setup Diagram:

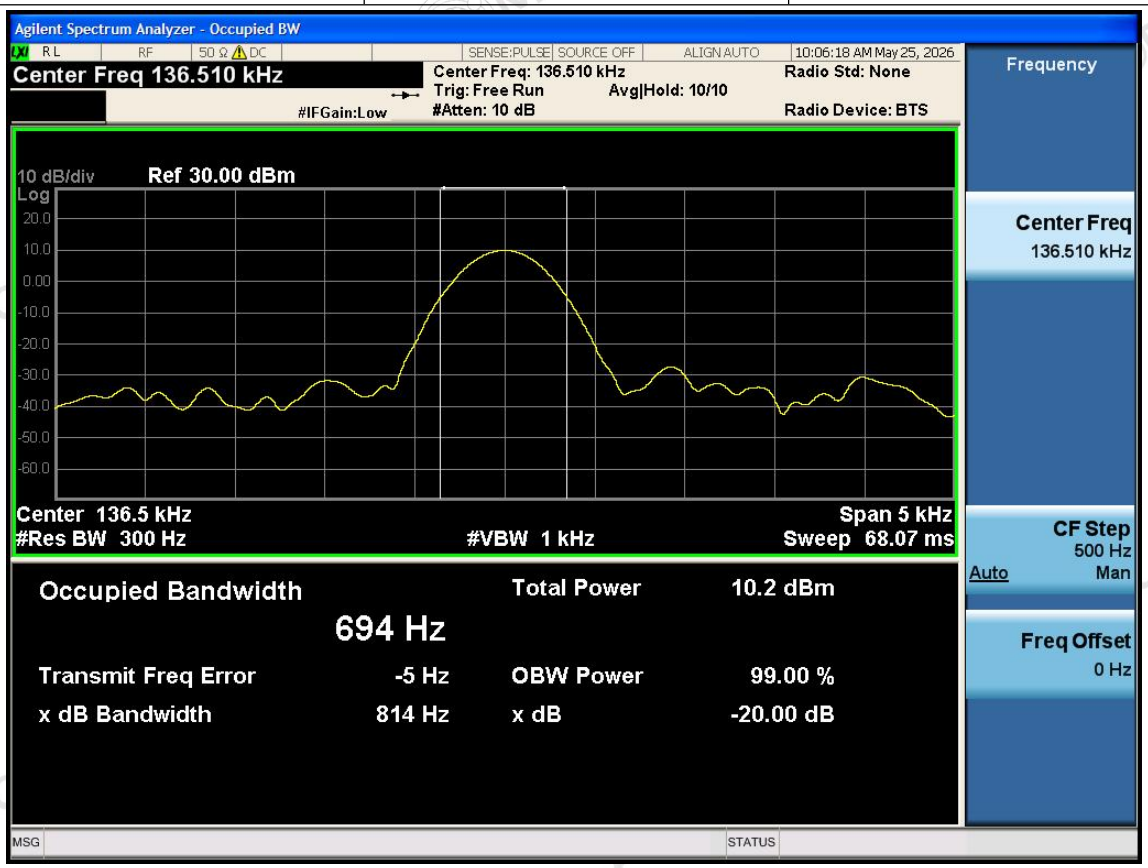


6.2.3 Test Data:

Note: Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measurement bandwidth will always follow the RBW. The RBW is set to 300 Hz to perform the occupied bandwidth test.

Mode29

Frequency kHz	20 dB occupied bandwidth Hz	99% occupied bandwidth Hz
136.510	814	694



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Note: Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measurement bandwidth will always follow the RBW. The RBW is set to 300 Hz to perform the occupied bandwidth test.

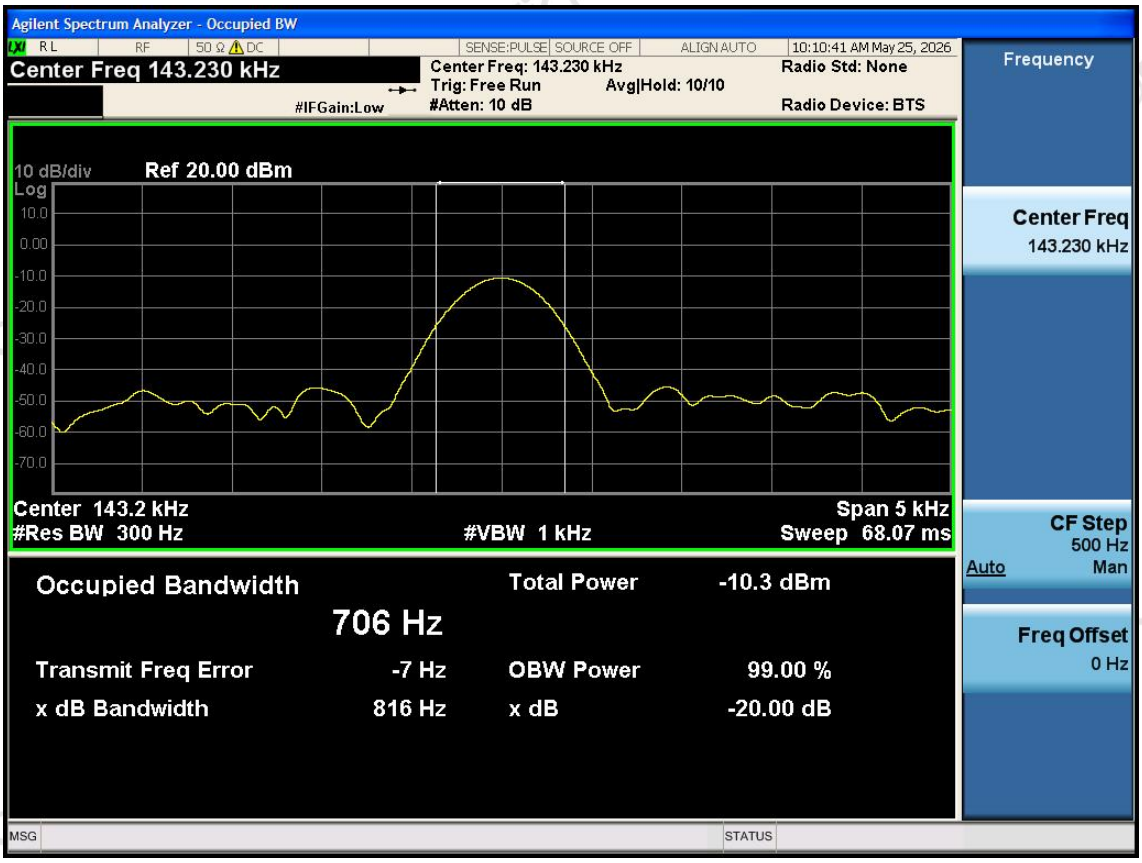
Mode33

Frequency kHz	20 dB occupied bandwidth Hz	99% occupied bandwidth Hz
147.130	835	714

Note: Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measurement bandwidth will always follow the RBW. The RBW is set to 300 Hz to perform the occupied bandwidth test.

Mode34

Frequency kHz	20 dB occupied bandwidth Hz	99% occupied bandwidth Hz
143.230	816	706



Note: Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measurement bandwidth will always follow the RBW. The RBW is set to 300 Hz to perform the occupied bandwidth test.

Mode35

Frequency kHz	20 dB occupied bandwidth Hz	99% occupied bandwidth Hz
327.180	948	856

6.3 Emissions in frequency bands (below 30MHz)

Test Requirement:	47 CFR Part 15.209
Test Limit:	See table below

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

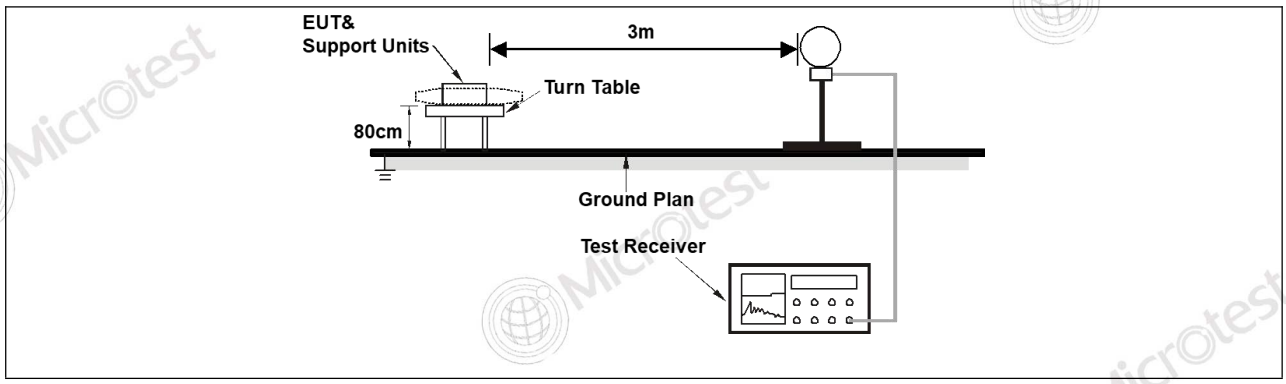
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this 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 measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
As shown in § 15.35(b), for frequencies above 1000 MHz, the field strength limits in paragraphs (a)and (b)of this section are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For point-to-point operation under paragraph (b)of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth.

Test Method:	ANSI C63.10-2020 + Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024 section 6.4
Procedure:	ANSI C63.10-2020 + Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024 section 6.4

6.3.1 E.U.T. Operation:

Operating Environment:					
Temperature:	25 °C	Humidity:	61 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10, Mode11, Mode12, Mode13, Mode14, Mode15, Mode16, Mode17, Mode18, Mode19, Mode20, Mode21, Mode22, Mode23, Mode24, Mode25, Mode26, Mode27, Mode28, Mode29, Mode30, Mode31, Mode32, Mode33, Mode34, Mode35, Mode36				
Final test mode:	All of the listed pre-test mode were tested, only the data of the worst mode (Mode4) is recorded in the report				

6.3.2 Test Setup Diagram:



6.3.3 Test Data:

Calculation formula:

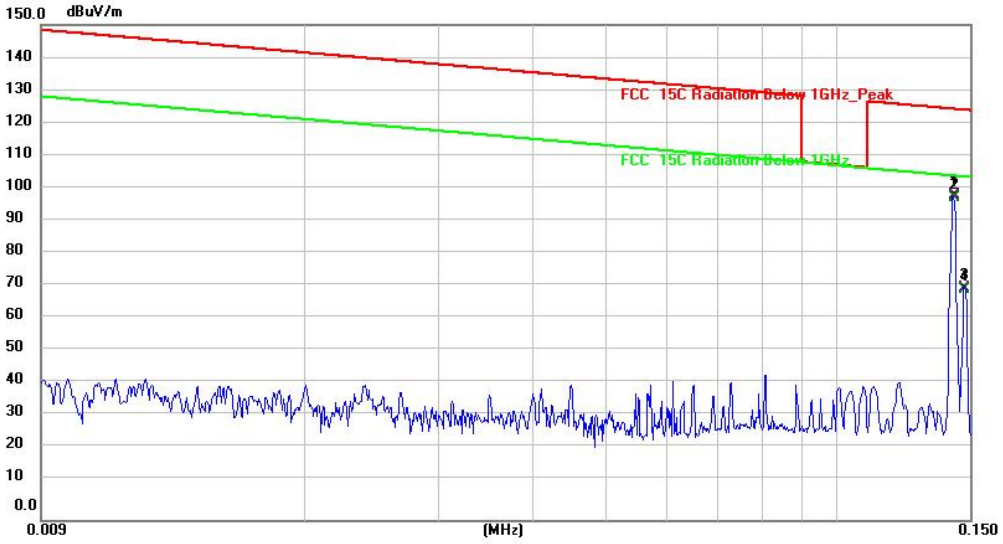
For 9 kHz – 150kHz:

Measurement (dBμV/m) = Reading Level (dBμV) + Correct Factor (dB)
Correct Factor (dB)=Antenna Factor+ Cable Loss- Preamplifier Factor
Over (dB) = Measurement (dBμV/m) – Limit (dBμV/m)

For 150kHz – 30MHz:

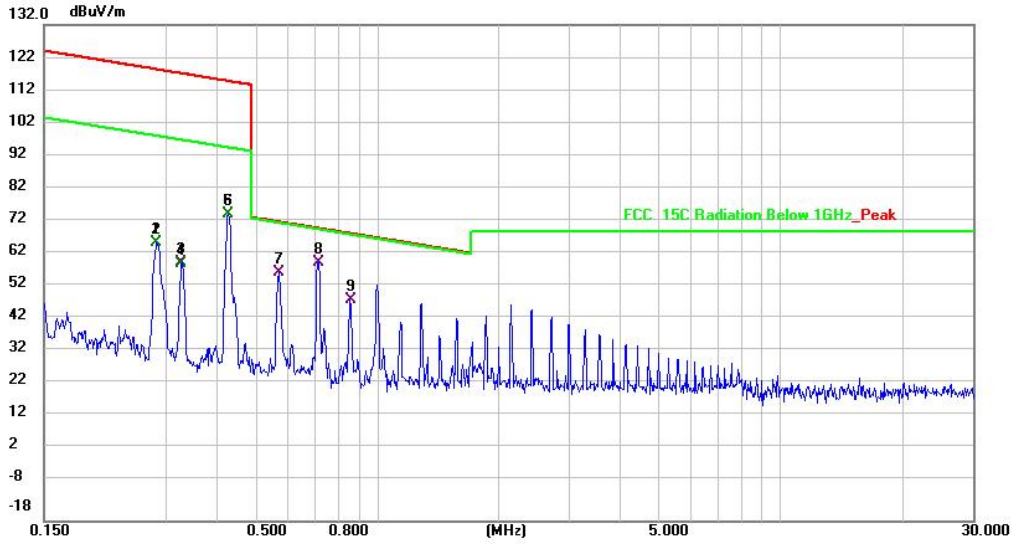
Measurement (dBμV/m) = Reading Level (dBμV) + Correct Factor (dB)
Correct Factor (dB)=Antenna Factor+ Cable Loss- Preamplifier Factor
Over (dB) = Measurement (dBμV/m) – Limit (dBμV/m)

Mode4 / Polarization: Coaxial



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1426	79.57	18.99	98.56	124.54	-25.98	QP	
2	*	0.1426	78.60	18.99	97.59	104.54	-6.95	AVG	
3		0.1474	50.84	19.40	70.24	124.25	-54.01	QP	
4		0.1474	50.49	19.40	69.89	104.25	-34.36	AVG	

Mode4 / Polarization: Coaxial



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2847	46.62	19.48	66.10	118.52	-52.42	QP	
2		0.2847	46.62	19.48	66.10	98.52	-32.42	AVG	
3		0.3266	40.75	19.59	60.34	117.33	-56.99	QP	
4		0.3266	40.04	19.59	59.63	97.33	-37.70	AVG	
5		0.4282	54.93	19.92	74.85	114.97	-40.12	QP	
6		0.4282	54.93	19.92	74.85	94.97	-20.12	AVG	
7		0.5701	36.67	20.41	57.08	72.49	-15.41	QP	
8	*	0.7122	39.71	20.66	60.37	70.56	-10.19	QP	
9		0.8573	28.36	20.69	49.05	68.95	-19.90	QP	

6.4 Emissions in frequency bands (30MHz - 1GHz)

Test Requirement:	47 CFR Part 15.209
Test Limit:	See table below

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

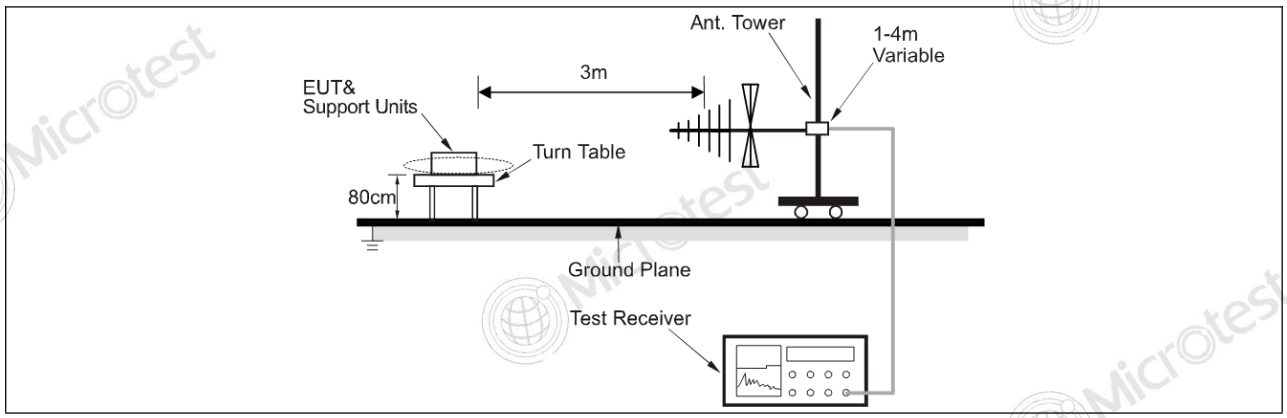
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this 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 measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
As shown in § 15.35(b), for frequencies above 1000 MHz, the field strength limits in paragraphs (a)and (b)of this section are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For point-to-point operation under paragraph (b)of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth.

Test Method:	ANSI C63.10-2020 + Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024 section 6.5
Procedure:	ANSI C63.10-2020 + Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024 section 6.5

6.4.1 E.U.T. Operation:

Operating Environment:					
Temperature:	24.6 °C	Humidity:	49 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10, Mode11, Mode12, Mode13, Mode14, Mode15, Mode16, Mode17, Mode18, Mode19, Mode20, Mode21, Mode22, Mode23, Mode24, Mode25, Mode26, Mode27, Mode28, Mode29, Mode30, Mode31, Mode32, Mode33, Mode34, Mode35, Mode36				
Final test mode:	All of the listed pre-test mode were tested, only the data of the worst mode (Mode3) is recorded in the report				

6.4.2 Test Setup Diagram:



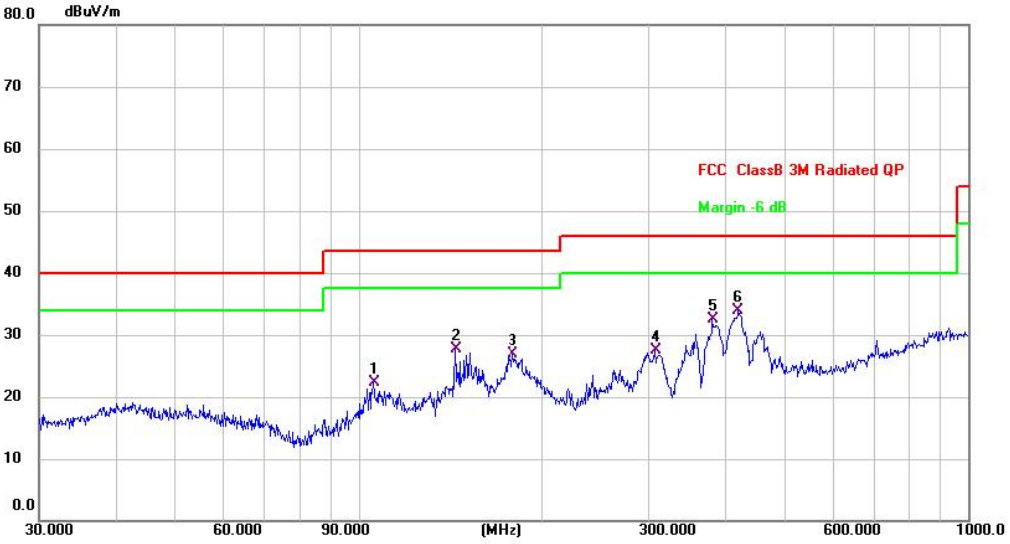
6.4.3 Test Data:

Calculation formula:

For 30 MHz – 1000 MHz:

Measurement (dBμV/m) = Reading Level (dBμV) + Correct Factor (dB)
Correct Factor (dB)=Antenna Factor+ Cable Loss- Preamplifier Factor
Over (dB) = Measurement (dBμV/m) – Limit (dBμV/m)

Mode3 / Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		105.6415	31.52	-9.27	22.25	43.50	-21.25	QP	
2		143.8295	40.64	-12.89	27.75	43.50	-15.75	QP	
3		179.3863	38.11	-11.30	26.81	43.50	-16.69	QP	
4		306.7537	33.84	-6.36	27.48	46.00	-18.52	QP	
5		381.2487	36.20	-3.74	32.46	46.00	-13.54	QP	
6	*	420.5803	36.52	-2.64	33.88	46.00	-12.12	QP	

Mode3 / Polarization: Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	34.8823	41.64	-10.65	30.99	40.00	-9.01	QP	
2		53.1313	34.35	-8.27	26.08	40.00	-13.92	QP	
3		105.6415	30.90	-9.27	21.63	43.50	-21.87	QP	
4		143.8295	41.36	-12.89	28.47	43.50	-15.03	QP	
5		306.7537	29.75	-6.36	23.39	46.00	-22.61	QP	
6		455.9058	37.86	-2.57	35.29	46.00	-10.71	QP	

Photographs of the test setup

Refer to Appendix - Test Setup Photos

Photographs of the EUT

Refer to Appendix - EUT Photos

Statement

1. This report is invalid without the seal and signature of the laboratory.

2. The test results of this report are only responsible for the samples submitted.Client shall be responsible for representativeness of the sample and authenticity of the material.
3. The report shall not be partially reproduced without the written consent of the Laboratory.
4. This report is invalid if transferred, altered or tampered with in any form without authorization.
5. The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.
6. Any objection to this report shall be submitted to the laboratory within 15 days from the date of receipt of the report.

****** END OF REPORT ******