

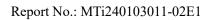
Test Report

Report No.:	MTi240103011-02E1
Date of issue:	2024-03-27
Applicant:	Dongguan Lingdu Electronic Technology Co.,Ltd
Product:	Dash Cam
Model(s):	D600, D500, D200, D100, LD01, A12, A14, M350, M360
FCC ID:	2BEAP-D600

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

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Test Result Certification			
Applicant: Dongguan Lingdu Electronic Technology Co.,Ltd			
Address:	No.1, Longcheng Street, Qingxi Town, Dongguan City, Guangdong Province, China		
Manufacturer:	Dongguan Lingdu Electronic Technology Co.,Ltd		
Address:	No.1, Longcheng Street, Qingxi Town, Dongguan City, Guangdong Province, China		
Product description			
Product name:	Dash Cam		
Trade mark:	N/A		
Model name:	D600		
Series Model(s):	D500, D200, D100, LD01, A12, A14, M350, M360		
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:	2024-03-13 to 2024-03-22		
Test result:	Pass		

Test Engineer	•	Yamice Xie
		(Yanice.Xie)
Reviewed By	:	(con chen
		(Leon Chen)
Approved By	••	Tom Xue
		(Tom Xue)



1 General Description

1.1 Description of the EUT

Product name:	Dash Cam		
Model name:	D600		
Series Model(s):	D500, D200, D100, LD01, A12, A14, M350, M360		
Model difference:	All the models are the same circuit and module, except the model name.		
Electrical rating:	Input:DC 12-24V Output:DC 5V/2.5A		
Accessories:	1. Rear camera(6m/20ft) *12. Car charger*13. Micro USB Power cable(3.5M/12ft)*14. Cable clips*55. Pry tool*1		
Test sample(s) number:	MTi240103011-02S1001		
RF specification			
Operating frequency range:	aency 802.11b/g/n20:2412~2462 MHz 802.11n40:2422~2452 MHz		
Channel number:	er: 11		
Modulation type:	IEEE 802.11b : DSSS (DBPSK, DQPSK, CCK) IEEE 802.11g/n (HT20/HT40) : OFDM (64QAM, 16QAM, QPSK, BPSK)		
Antenna(s) type:	FPC Antenna		
Antenna(s) gain:	3.14 dBi		

1.2 Description of test modes

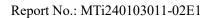
No.	Emission test modes	
Mode1	TX-802.11b	
Mode2	TX-802.11g	
Mode3	TX-802.11N20	
Mode4	TX-802.11N40	

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:

For power setting, refer to below table.

Mode	2412MHz	2437MHz	2462MHz
802.11b	40	40	40
802.11g	40	40	40
802.11n20	40	40	40
Mode	2422MHz	2437MHz	2452MHz
802.11n40	40	40	40



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			
Accumulator	Accumulator 6-QW-45(370)-L / Camzel Group Co.					
Support cable list						
Description	Length (m)	From	То			
/	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	Occupied Bandwidth	47 CFR Part 15.247	47 CFR 15.247(a)(2)	Pass
3	Maximum Conducted Output Power	47 CFR Part 15.247	47 CFR 15.247(b)(3)	Pass
4	Power Spectral Density	47 CFR Part 15.247	47 CFR 15.247(e)	Pass
5	RF conducted spurious emissions and band edge measurement	47 CFR Part 15.247	47 CFR 15.247(d), 15.209, 15.205	Pass
6	Band edge emissions (Radiated)	47 CFR Part 15.247	47 CFR 15.247(d), 15.209, 15.205	Pass
7	Radiated emissions (below 1GHz)	47 CFR Part 15.247	47 CFR 15.247(d), 15.209, 15.205	Pass
8	Radiated emissions (above 1GHz)	47 CFR Part 15.247	47 CFR 15.247(d), 15.209, 15.205	Pass
9	Conducted Emission at AC power line	47 CFR Part 15.247	47 CFR 15.207(a)	N/A

Notes:

1.N/A means not applicable.

Since the EUT power by DC supply, therefore AC power line conducted emissions test is not required.



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, Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, C							
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				
Occupied Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in non-restricted frequency bands										
1	Wideband Radio Communication Tester	Rohde&schwarz	CMW500	149155	2023-04-26	2024-04-25				
2	ESG Series Analog Ssignal Generator	Agilent	E4421B	GB40051240	2023-04-25	2024-04-24				
3	PXA Signal Analyzer	Agilent	N9030A	MY51350296	2023-04-25	2024-04-24				
4	Synthesized Sweeper	Agilent	83752A	3610A01957	2023-04-25	2024-04-24				
5	MXA Signal Analyzer	Agilent	N9020A	MY50143483	2023-04-26	2024-04-25				
6	RF Control Unit	Tonscend	JS0806-1	19D8060152	2023-04-26	2024-04-25				
7	Band Reject Filter Group	Tonscend	JS0806-F	19D8060160	2023-05-05	2024-05-04				
8	ESG Vector Signal Generator	Agilent	N5182A	MY50143762	2023-04-25	2024-04-24				
9	DC Power Supply	Agilent	E3632A	MY40027695	2023-05-05	2024-05-04				
		Band edge Emissions in frequ	emissions (Radi uency bands (ab							
1	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2023-04-26	2024-04-25				
2	Double Ridged Broadband Horn Antenna	schwarabeck	BBHA 9120 D	2278	2023-06-17	2025-06-16				
3	Amplifier	Agilent	8449B	3008A01120	2023-06-26	2024-06-25				
4	Multi-device Controller	TuoPu	TPMDC	/	2023-05-04	2024-05-03				
5	MXA signal analyzer	Agilent	N9020A	MY54440859	2023-06-01	2024-05-31				
		Emissions in freq	uency bands (be	low 1GHz)						
1	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2023-04-26	2024-04-25				
2	TRILOG Broadband Antenna	schwarabeck	VULB 9163	9163-1338	2023-06-11	2025-06-10				
3	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00066	2023-06-11	2025-06-10				
4	Amplifier	Hewlett-Packard	8447F	3113A06184	2023-04-25	2024-04-24				
5	Multi-device Controller	TuoPu	TPMDC	/	2023-05-04	2024-05-03				



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)

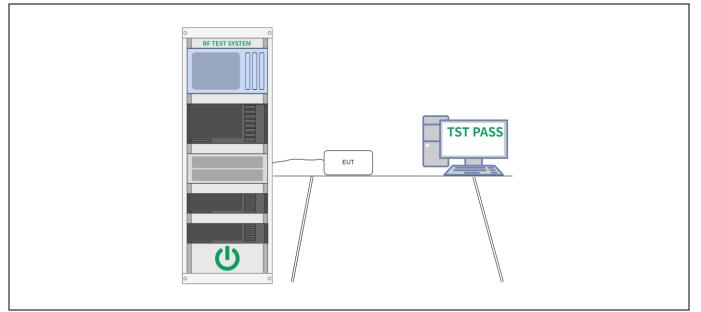
6.1 Occupied Bandwidth

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.

6.1.1 E.U.T. Operation:

Operating Environment:								
Temperature:	Temperature: 25 °C Humidity: 59 % Atmospheric Pressure: 100 kPa							
Pre test mode:	Pre test mode: Mode1, Mode2, Mode3, Mode4							
Final test mode: Mo		Mode	e1, Mode2,	Mode3, Mode4	4			

6.1.2 Test Setup Diagram:



6.1.3 Test Data:



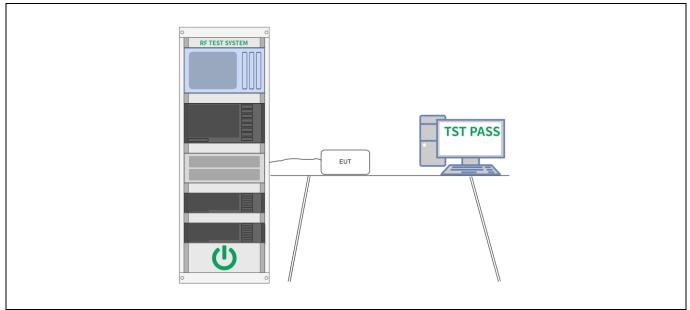
6.2 Maximum Conducted Output Power

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 11.9.1.3 KDB 558074 D01 15.247 Meas Guidance v05r02
Procedure:	ANSI C63.10-2013, section 11.9.1.3 Maximum peak conducted output power

6.2.1 E.U.T. Operation:

Operating Environment:								
Temperature:	Temperature:25 °CHumidity:59 %Atmospheric Pressure:100 kPa							
Pre test mode:	Mode	e1, Mode2,	Mode3, Mode4					
Final test mode:		Mode	e1, Mode2,	Mode3, Mode4				

6.2.2 Test Setup Diagram:



6.2.3 Test Data:



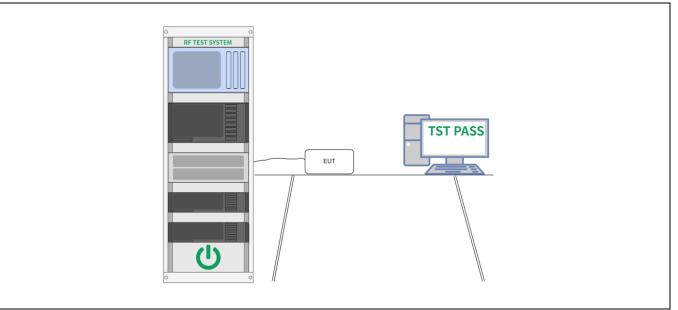
6.3 Power Spectral Density

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

6.3.1 E.U.T. Operation:

Operating Environment:								
Temperature:	Temperature: 25 °C Humidity: 59 % Atmospheric Pressure: 100 kPa						100 kPa	
Pre test mode:	Pre test mode: Mode1, Mode2, Mode3, Mode4							
Final test mode:		Mode	e1, Mode2,	Mode3, I	Mode4			

6.3.2 Test Setup Diagram:



6.3.3 Test Data:



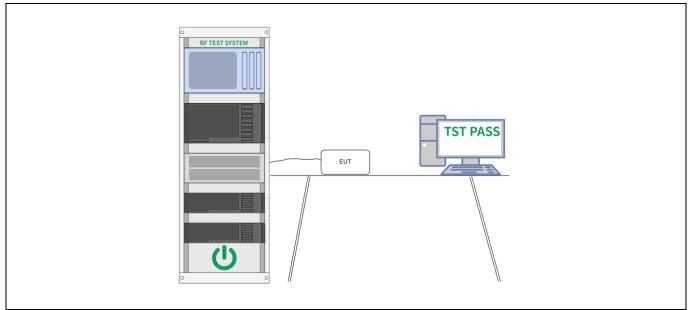
6.4 RF conducted spurious emissions and band edge measurement

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

6.4.1 E.U.T. Operation:

Operating Environment:								
Temperature:	Temperature:25 °CHumidity:59 %Atmospheric Pressure:100 kPa						100 kPa	
Pre test mode: Mode1, Mode2, Mode3, Mode4								
Final test mode:		Mode	e1, Mode2,	Mode3, Mod	de4			

6.4.2 Test Setup Diagram:



6.4.3 Test Data:



6.5 Band edge emissions (Radiated)

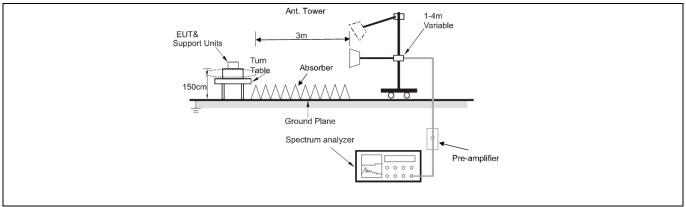
Test Requirement:	restricted bands, as de	7(d), In addition, radiated em fined in § 15.205(a), must als s specified in § 15.209(a)(see	so comply with the
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measuremen t distance (meters)
	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	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 employin	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	ction 6.10 47 Meas Guidance v05r02	
Procedure:	ANSI C63.10-2013 sec	ction 6.10.5.2	

6.5.1 E.U.T. Operation:

Operating Envir	ronment					
Temperature:	24 °C		Humidity:	54 %	Atmospheric Pressure:	101 kPa
Pre test mode:		Mode	e1, Mode2,	Mode3, Mode4	1	
Final test mode	:		•	ore-test mode v ded in the repo	vere tested, only the data ort	of the worst mode
Note:			•	•		

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

6.5.2 Test Setup Diagram:





6.5.3 Test Data:

Mode1 /	Polari	zatio	n: Horizonta	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	53.56	-12.83	40.73	74.00	-33.27	peak
	2		2310.000	44.16	-12.83	31.33	54.00	-22.67	AVG
	3		2390.000	63.80	-12.42	51.38	74.00	-22.62	peak
	4	*	2390.000	52.00	-12.42	39.58	54.00	-14.42	AVG

Mode1 /	Polarizati	ion: Vertical	/ CH: L					
	No. Mł	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
	1	2310.000	53.53	-12.83	40.70	74.00	-33.30	peak
	2	2310.000	43.95	-12.83	31.12	54.00	-22.88	AVG
	3	2390.000	60.11	-12.42	47.69	74.00	-26.31	peak
	4 *	2390.000	50.55	-12.42	38.13	54.00	-15.87	AVG



Mode1 /	Polari	zatio	n: Horizonta	al / CH: H					
	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
	1		2483.500	59.13	-12.44	46.69	74.00	-27.31	peak
	2	*	2483.500	46.64	-12.44	34.20	54.00	-19.80	AVG
	3		2500.000	55.44	-12.35	43.09	74.00	-30.91	peak
	4		2500.000	44.55	-12.35	32.20	54.00	-21.80	AVG

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		2483.500	59.09	-12.44	46.65	74.00	-27.35	peak
2	*	2483.500	48.83	-12.44	36.39	54.00	-17.61	AVG
3		2500.000	55.86	-12.35	43.51	74.00	-30.49	peak
4		2500.000	45.52	-12.35	33.17	54.00	-20.83	AVG



6.6 Radiated emissions (below 1GHz)

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)	Measuremen t 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 I hin 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	tion 6.6.4	

6.6.1 E.U.T. Operation:

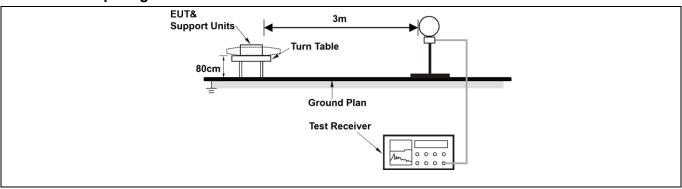
Operating Environment	
Temperature: 24 °C	Humidity: 54 % Atmospheric Pressure: 101 kPa
Pre test mode:	Mode1, Mode2, Mode3, Mode4
Final test mode:	All of the listed pre-test mode were tested, only the data of the worst mode (Mode1) is recorded in the report
Nata	

Note:

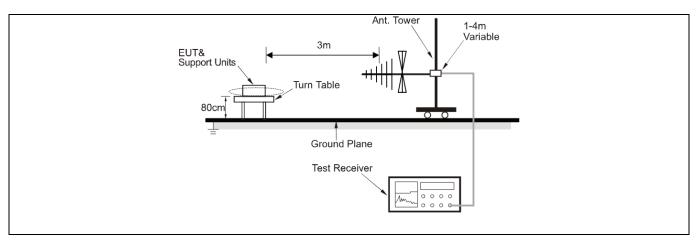
The amplitude of spurious emissions which are attenuated more than 20 dB below the limits are not reported.

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.

6.6.2 Test Setup Diagram:

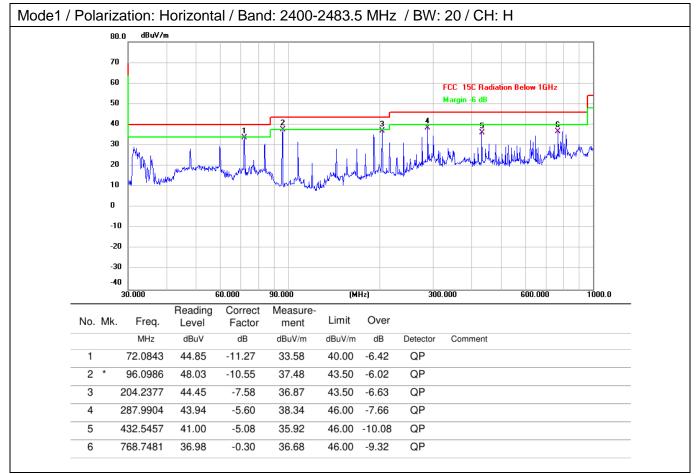




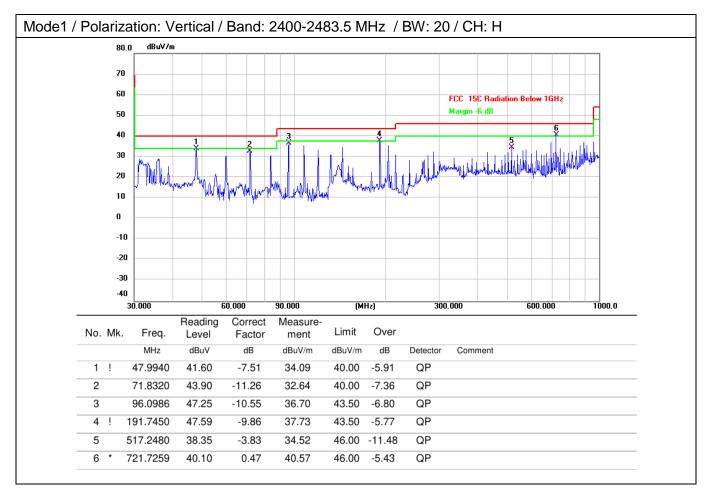




6.6.3 Test Data:









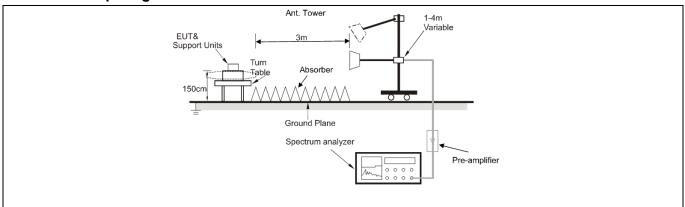
6.7 Radiated emissions (above 1GHz)

Test Requirement:		nissions which fall in the rest comply with the radiated em 5(c)).`	
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measuremen t 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 hin 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 employin	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	tion 6.6.4	

6.7.1 E.U.T. Operation:

Operating Envi	ronment:						
Temperature:	24 °C		Humidity:	54 %	Atmospheric Pressure:	101 kPa	
Pre test mode:		Mode	e1, Mode2, I	Mode3, Mode4			
Final test mode		All of	the listed p	re-test mode w	ere tested, only the data	of the worst mode	
	5.	(Mode1) is recorded in the report					
Note: Test freq	uency are	e from	1GHz to 25	GHz, the ampl	itude of spurious emissior	ns which are	
attenuated mor	re than 20) dB b	elow the lim	nits are not repo	orted.		
All modes of op	peration c	of the I	EUT were in	vestigated, and	d only the worst-case resu	ults are reported.	

6.7.2 Test Setup Diagram:





6.7.3 Test Data:

	No. Mł	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
-		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
-	1	4824.000	52.48	-7.42	45.06	74.00	-28.94	peak
-	2	4824.000	46.67	-7.42	39.25	54.00	-14.75	AVG
-	3	7236.000	47.70	0.75	48.45	74.00	-25.55	peak
-	4	7236.000	41.41	0.75	42.16	54.00	-11.84	AVG
	5	9648.000	49.61	2.34	51.95	74.00	-22.05	peak
	6 *	9648.000	43.50	2.34	45.84	54.00	-8.16	AVG



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No	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4824.000	50.33	-7.42	42.91	74.00	-31.09	peak
2		4824.000	44.26	-7.42	36.84	54.00	-17.16	AVG
3		7236.000	48.85	0.75	49.60	74.00	-24.40	peak
4		7236.000	42.51	0.75	43.26	54.00	-10.74	AVG
5		9648.000	49.42	2.34	51.76	74.00	-22.24	peak
6	*	9648.000	43.04	2.34	45.38	54.00	-8.62	AVG



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No	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4874.000	52.50	-7.44	45.06	74.00	-28.94	peak
2		4874.000	46.56	-7.44	39.12	54.00	-14.88	AVG
3		7311.000	47.41	0.70	48.11	74.00	-25.89	peak
4		7311.000	41.42	0.70	42.12	54.00	-11.88	AVG
5		9748.000	48.27	3.03	51.30	74.00	-22.70	peak
6	*	9748.000	42.35	3.03	45.38	54.00	-8.62	AVG



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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4874.000	51.99	-7.44	44.55	74.00	-29.45	peak
2		4874.000	46.09	-7.44	38.65	54.00	-15.35	AVG
3		7311.000	48.94	0.70	49.64	74.00	-24.36	peak
4		7311.000	42.65	0.70	43.35	54.00	-10.65	AVG
5		9748.000	49.27	3.03	52.30	74.00	-21.70	peak
6	*	9748.000	43.48	3.03	46.51	54.00	-7.49	AVG



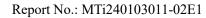
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No	. Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4924.000	51.64	-7.37	44.27	74.00	-29.73	peak
2		4924.000	45.93	-7.37	38.56	54.00	-15.44	AVG
3		7386.000	46.63	1.06	47.69	74.00	-26.31	peak
4		7386.000	41.41	1.06	42.47	54.00	-11.53	AVG
5		9848.000	48.07	2.75	50.82	74.00	-23.18	peak
6	*	9848.000	41.93	2.75	44.68	54.00	-9.32	AVG



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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4924.000	52.55	-7.37	45.18	74.00	-28.82	peak
2		4924.000	46.49	-7.37	39.12	54.00	-14.88	AVG
3		7368.000	48.54	1.04	49.58	74.00	-24.42	peak
4		7368.000	42.32	1.04	43.36	54.00	-10.64	AVG
5		9848.000	47.98	2.75	50.73	74.00	-23.27	peak
6	*	9848.000	41.90	2.75	44.65	54.00	-9.35	AVG





Photographs of the test setup

Refer to Appendix - Test Setup Photos for MTi240103011-02E1.docx



Photographs of the EUT

Refer to Appendix - EUT Photos

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Appendix

Address: 101, No. 7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Tel: (86-755)88850135Fax: (86-755)88850136Web: www.mtitest.comE-mail: mti@51mti.com



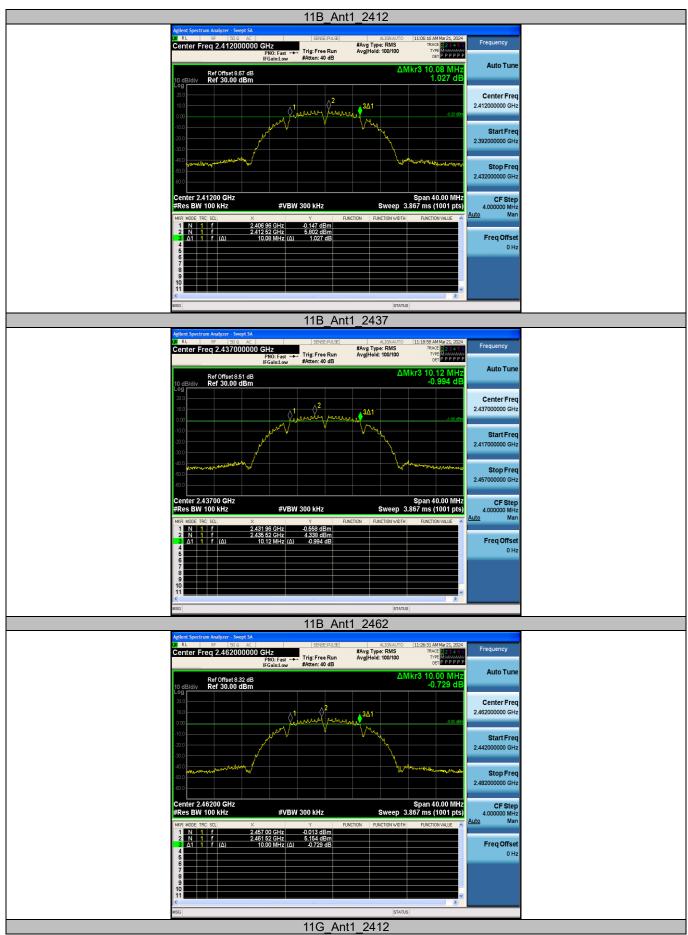
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	Limit [MHz]	Verdict
		2412	10.080	0.5	PASS
11B	Ant1	2437	10.120	0.5	PASS
		2462	10.000	0.5	PASS
		2412	16.280	0.5	PASS
11G	Ant1	2437	16.280	0.5	PASS
		2462	16.280	0.5	PASS
	Ant1	2412	17.080	0.5	PASS
11N20SISO		2437	17.040	0.5	PASS
		2462	16.880	0.5	PASS
		2422	35.440	0.5	PASS
11N40SISO	Ant1	2437	35.280	0.5	PASS
		2452	35.280	0.5	PASS



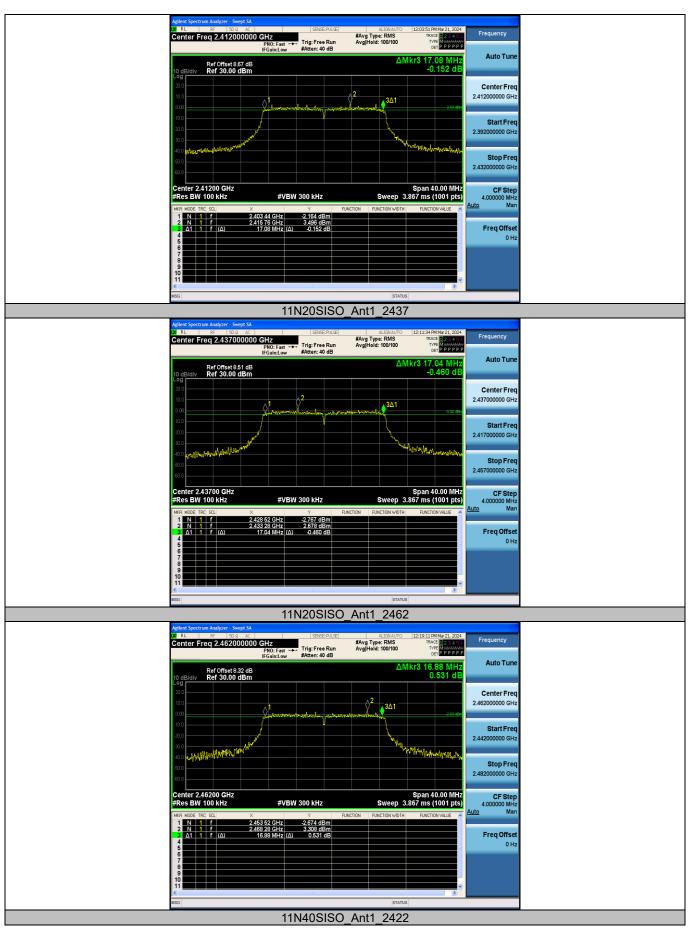
Test Graphs



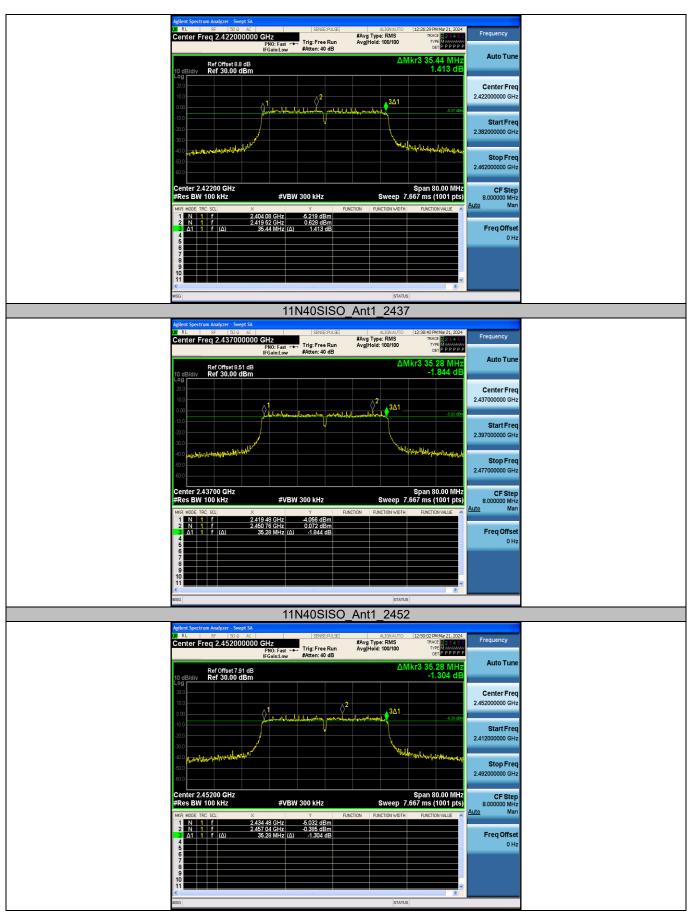














Appendix B: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Peak Power [dBm]	Conducted Limit [dBm]	Verdict
		2412	15.45	≤30.00	PASS
11B	Ant1	2437	14.25	≤30.00	PASS
		2462	14.41	≤30.00	PASS
	Ant1	2412	9.78	≤30.00	PASS
11G		2437	9.40	≤30.00	PASS
		2462	9.61	≤30.00	PASS
11N20SISO	Ant1	2412	14.40	≤30.00	PASS
		2437	14.12	≤30.00	PASS
		2462	13.47	≤30.00	PASS
		2422	15.10	≤30.00	PASS
11N40SISO	Ant1	2437	14.40	≤30.00	PASS
		2452	13.55	≤30.00	PASS



Appendix C: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3-100kHz]	Limit [dBm/3kHz]	Verdict
		2412	-16.72	≤8.00	PASS
11B	Ant1	2437	-17.45	≤8.00	PASS
		2462	-17.57	≤8.00	PASS
	Ant1 Ant1	2412	-20.87	≤8.00	PASS
11G		2437	-22.08	≤8.00	PASS
		2462	-22.12	≤8.00	PASS
		2412	-16.64	≤8.00	PASS
11N20SISO		2437	-17.51	≤8.00	PASS
		2462	-16.13	≤8.00	PASS
		2422	-19.23	≤8.00	PASS
11N40SISO	Ant1	2437	-18.95	≤8.00	PASS
		2452	-19.83	≤8.00	PASS



Test Graphs

