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Product	:	Video Security System	
Trade mark Model/Type reference	:	Guardzilla GZ501W, GZ502B	
Serial number	:	N/A	
Ratings	:	AC 100-240V, 50/60Hz	
FCC ID	1:	Z63-IPC962	
Report number	4	EESZG11100007	
Date	:	Nov. 20, 2014	
Regulations	:	See below	
t Standards			Results

Prepared for: SHENZHEN AONI ELECTRONIC INDUSTRY CO., LTD No.5 Bldg, Honghui Industrial park, 2nd liuxian Road, Xinan street, Baoan District, Shenzhen, China Prepared by: **Centre Testing International (Shenzhen) Corporation** Hongwei Industrial Zone, 70 Area, Bao'an District, Shenzhen, Guangdong, China TEL: +86-755-3368 3668 FAX: +86-755-3368 3385 Reviewed by: Tested by: Date: Nov. 20, 2014 Approved by: Jimmy Li Lab manager Check No.: 1702048915







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N/A means not applicable.





1. CERTIFICATION INFORMATION

Applicant:

Manufacturer:

SHENZHEN AONI ELECTRONIC INDUSTRY CO., LTD No.5 Bldg, Honghui Industrial park, 2nd liuxian Road, Xinan street, Baoan District, Shenzhen, China

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SHENZHEN AONI ELECTRONIC INDUSTRY CO., LTD No.5 Bldg, Honghui Industrial park, 2nd liuxian Road, Xinan street, Baoan District, Shenzhen, China

Equipment authorization:	Certification
FCC ID:	Z63-IPC962
Product:	Video Security System
Model/Type reference:	GZ501W, GZ502B
Trade Name:	Guardzilla
Serial Number:	N/A
Report Number:	EESZG11100007
Sample Received Date:	Nov. 12, 2014
Sample tested Date:	Nov. 12, 2014 to Nov. 20, 2014

The above equipment was tested by Centre Testing International (Shenzhen) Corporation for compliance with the requirements set forth in the FCC Rules and Regulations Part 15, Subpart C and the measurement procedure according to ANSI C63.4:2009.

2. TEST SUMMARY

No.	Test Item	Rule	Result
1	6dB Bandwidth	15.247(a)(2)	PASS
2	Peak Output Power	15.247(b)(3)	PASS
3	Power Spectral Density	15.247(e)	PASS
4	Bandedge Emission	15.247(d)	PASS
5	Spurious RF Conducted Emission	15.247(d)	PASS
6	Radiated Emission	15.247(d)	PASS
7	Conducted Emission	15.207	PASS
8	Antenna requirements	15.203	PASS (See Notes)

Notes: The product uses a Internal integral antenna which in accordance with Section 15.203 is considered sufficient to comply with the provisions of this section.







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3. MEASUREMENT UNCERTAINTY

Where relevant, the following test uncertainty levels have been estimated for tests performed on the product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Test item	Value (dB)
Conducted disturbance	3.0
Radiated disturbance	4.9

4. PRODUCT INFORMATION

Model difference:

All models are same except outer color. The test model is GZ502B and the test results are applicable to others.

Items	Description					
Rating	AC 100-240V, 50/60Hz					
Transmit Data Rate	IEEE 802.11b: 1Mbps, 2Mbps, 5.5Mbps, 11Mbps IEEE 802.11g: 6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps IEEE 802.11n HT20: MCS0, MCS1, MCS2, MCS3, MCS4, MCS5, MCS6, MCS7 IEEE 802.11n HT40: MCS0, MCS1, MCS2, MCS3, MCS4, MCS5, MCS6, MCS7					
Type of Modulation	IEEE 802.11b: DSSS (CCK, QPSK, BPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20/40: OFDM (64QAM, 16QAM, QPSK, BPSK)					
Antenna Type	Integral antenna					
Connector	fixed on board					
Gain	0dBi					

Technical Specification of WiFi module (802.11b/g/n)

ltem	Description				
item	IEEE 802.11b	IEEE 802.11g	IEEE 8	302.11n	
Operating Frequency band	2412-2462MHz for 8 2422-2452MHz for 8	•		\bigcirc	
Channel Number	11	11	11	7	
Channel Bandwidth (MHz)	20	20	20	40	

Technical Specification of Carrier Frequency

Frequency Band	Channel No.	Frequency	Channel No.	Frequency	Channel No.	Frequency
	1	2412 MHz	6	2437 MHz	11	2462 MHz
2412-2462MHz (802.11b/g/n HT20)	2	2417 MHz	7	2442 MHz		<u>s</u>
	3	2422 MHz	8	2447 MHz		
	4	2427 MHz	9	2452 MHz		
	5	2432 MHz	10	2457 MHz		







Frequency Band	Channel No.	Frequency	Channel No.	Frequency	Channel No.	Frequency
67)	1	2422 MHz	4	2437 MHz	7	2452 MHz
2422-2452MHz (802.11n HT40)	2	2427 MHz	5	2442 MHz		
	3	2432 MHz	6	2447 MHz		

5. SYSTEM TEST CONFIGURATION

For emissions testing, the equipment under test (EUT) setup to transmit continuously to simplify the measurement methodology. Care was taken to ensure proper power supply voltages during testing. During testing, all cables were manipulated to produce worst case emissions. It was powered by 5DC from 100-240V AC input adaptor. Only the worst case data were recorded in this test report.

The signal is maximized through rotation and placement in the three orthogonal axes. The antenna height and polarization are varied during the search for maximum signal level. The antenna height is varied from 1 to 4 meters. Radiated emissions are taken at three meters unless the signal level is too low for measurement at that distance. If necessary, a pre-amplifier is used and/or the test is conducted at a closer distance.

All readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance. Analyzer resolution is 100 kHz or greater for frequencies below 1000 MHz. The resolution is 1 MHz or greater for frequencies above 1000 MHz. The spurious emissions more than 20 dB below the permissible value are not reported.

Radiated emission measurement were performed the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

6. IESI EQUIPIN	IENT LIST			()	
Equipment	Equipment Manufacturer Model N		Serial Number	Due Date	
3M Chamber & Accessory Equipment	TDK	SAC-3		06/01/2016	
Spectrum Analyzer	Agilent	E4443A	MY45300910	01/15/2015	
Spectrum Analyzer	R&S	FSP40	100416	07/06/2015	
Receiver	R&S	ESCI	100435	07/19/2015	
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	618	06/25/2015	
Multi device Controller	ETS-LINGREN	2090	00057230	N/A	
Horn Antenna	ETS-LINGREN	3117	00057407	07/07/2015	
Microwave Preamplifier	Agilent	8449B	3008A02425	04/16/2015	
Receiver	R&S	ESCI	100009	07/19/2015	
LISN	schwarzbeck	NNLK8121	8121-529	07/19/2015	

6. TEST EQUIPMENT LIST

7. SUPPORT EQUIPMENT LIST

No.	Device Type	Brand	Model	Series No.	Certification Type
1.					
2.	/	··· ·			63
57)	(S)	(3)	(G))	(G)



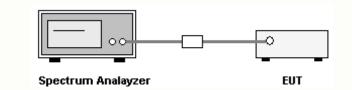


8. 6DB BANDWIDTH MEASUREMENT

8.1.LIMITS

Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

8.2. BLOCK DIAGRAM OF TEST SETUP



8.3. TEST PROCEDURE

1. The transmitter output (antenna port) was connected to the spectrum analyzer.

2. Set spectrum analyzer's RBW and VBW to applicable value with Peak in Max Hold.

3. A PEAK output reading was taken, a DISPLAY line was drawn 6 dB lower than PEAK level.

4. The 6dB bandwidth was determined from where the channel output spectrum intersected the display line.

8.4. TEST RESULT

The test data of worst case are below:

802.11b, 1Mbps

Frequency (MHz)	Measured Value (MHz)	Result
2412	10.06	PASS
2437	9.98	PASS
2462	10	PASS

802.11g, 6Mbps

Frequency (MHz)	Measured Value (MHz)	Result
2412	16.44	PASS
2437	16.46	PASS
2462	16.32	PASS







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802.11n HT20, MSC0

Frequency (MHz)	Measured Value (MHz)	Result
2412	17.24	PASS
2437	17.02	PASS
2462	17.22	PASS

802.11n HT40, MCS0

Frequency (MHz)	Measured Value (MHz)	Result
2422	35.64	PASS
2437	35.72	PASS
2452	35.76	PASS



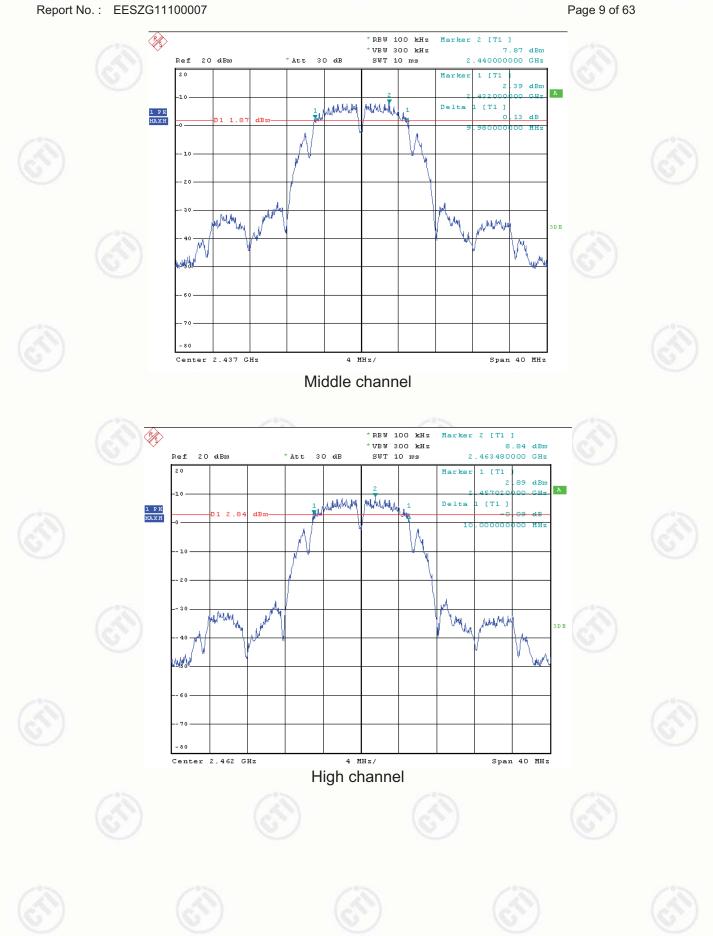


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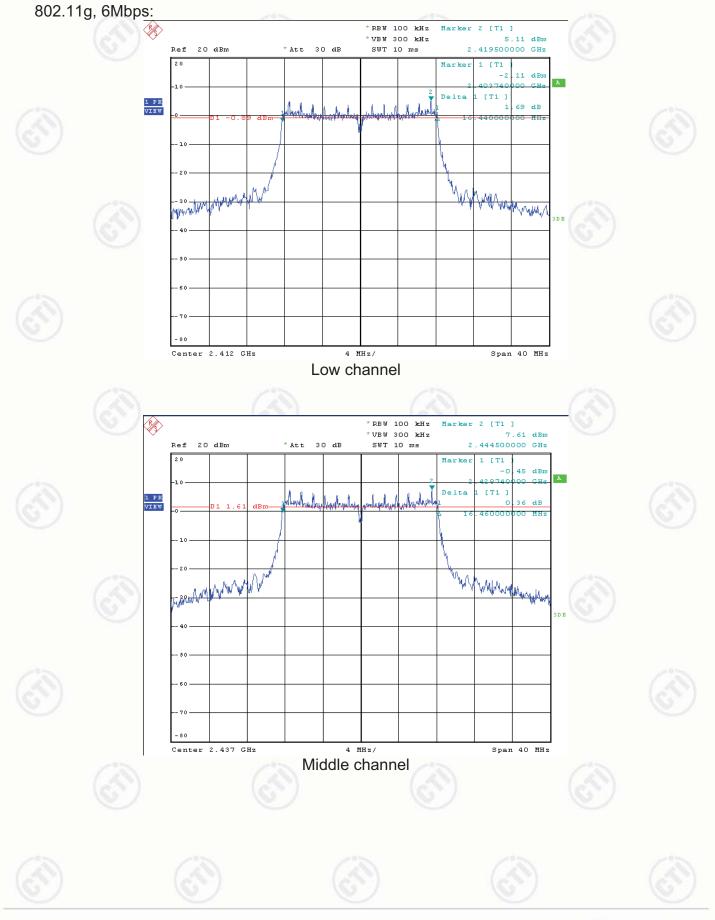
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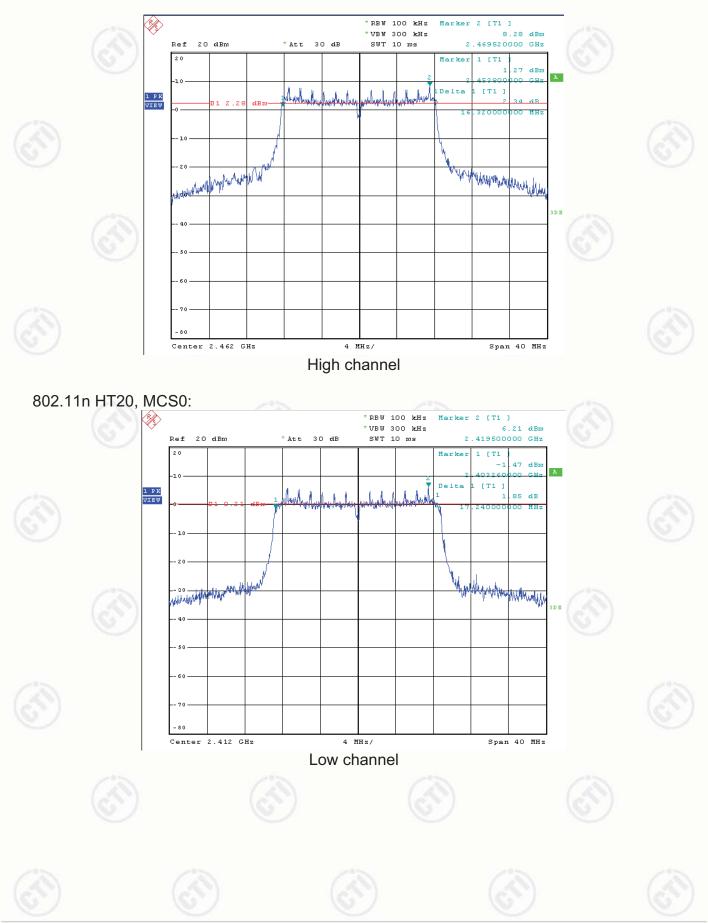






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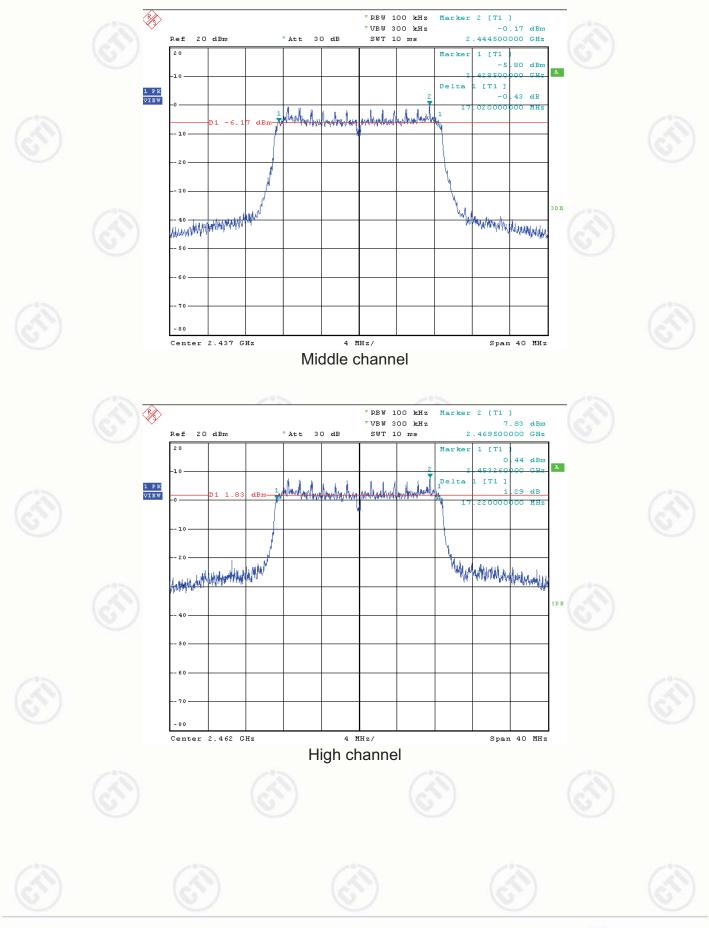
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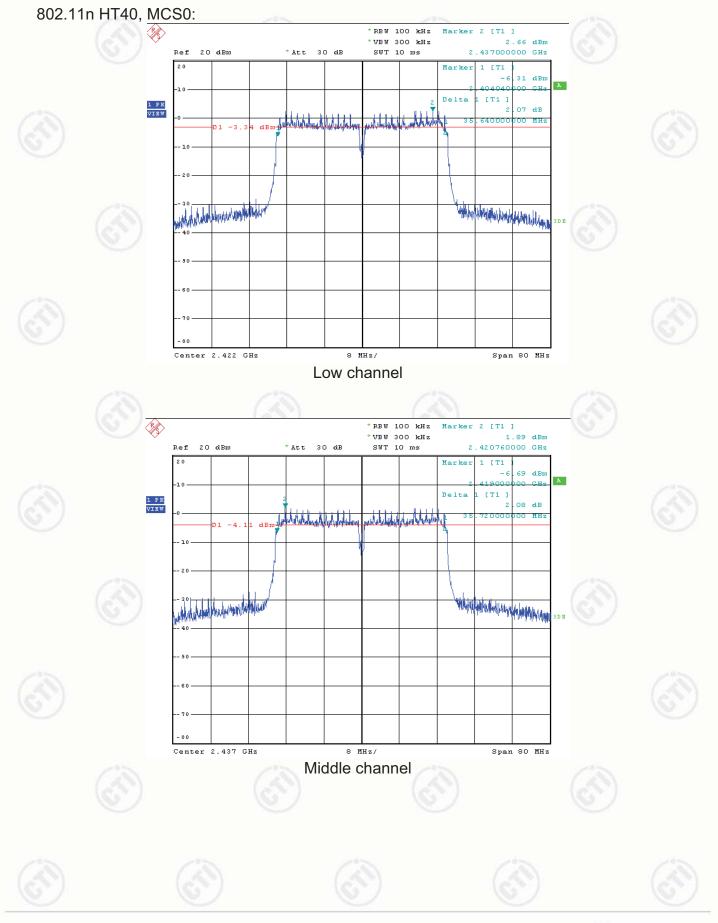








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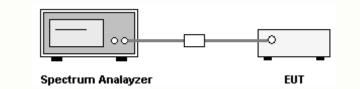


9. POWER SPECTRAL DENSITY

9.1. LIMITS

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.

9.2. BLOCK DIAGRAM OF TEST SETUP



9.3. TEST PROCEDURE

1. The transmitter output (antenna port) was connected to the spectrum analyzer.

2. Set spectrum analyzer's RBW and VBW to applicable and set span wide enough to capture the whole plot, record the frequency of the max emission in the plot.

3. Set the frequency as center frequency, and set RBW = 3 kHz, VBW >RBW, sweep= (SPAN/3 kHz) with Peak detector in Max Hold mode.

4. Read the output peak data from the spectrum analyzer directly.

9.4. TEST RESULT

The test data of worst case are below:

802.11b, 1Mbps

Frequency (MHz)	Measured Value (dBm)	Result
2412	-9.03	PASS
2437	-11.42	PASS
2462	-10.44	PASS

802.11g, 6Mbps

Frequency (MHz)	Measured Value (MHz)	Result
2412	-10.17	PASS
2437	-9.77	PASS
2462	-9.12	PASS





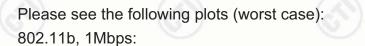


802.11n HT20, MSC0

Frequency (MHz)	Measured Value (MHz)	Result
2412	-8.33	PASS
2437	-9.64	PASS
2462	-8.81	PASS

802.11n HT40, MCS0

Frequency (MHz)	Measured Value (MHz)	Result
2422	-8.50	PASS
2437	-8.07	PASS
2452	-8.15	PASS

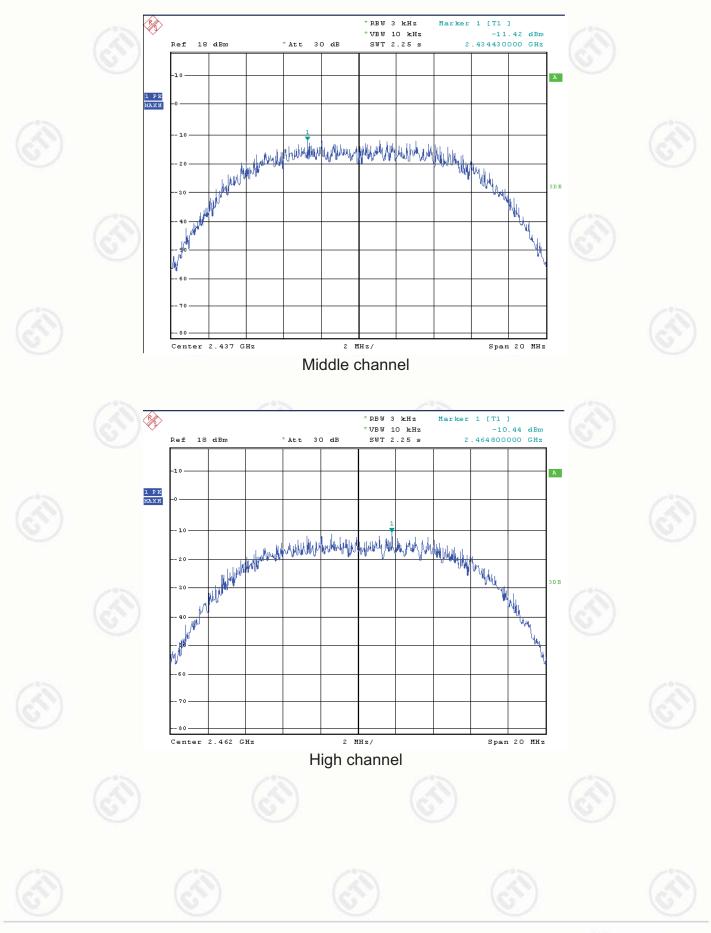








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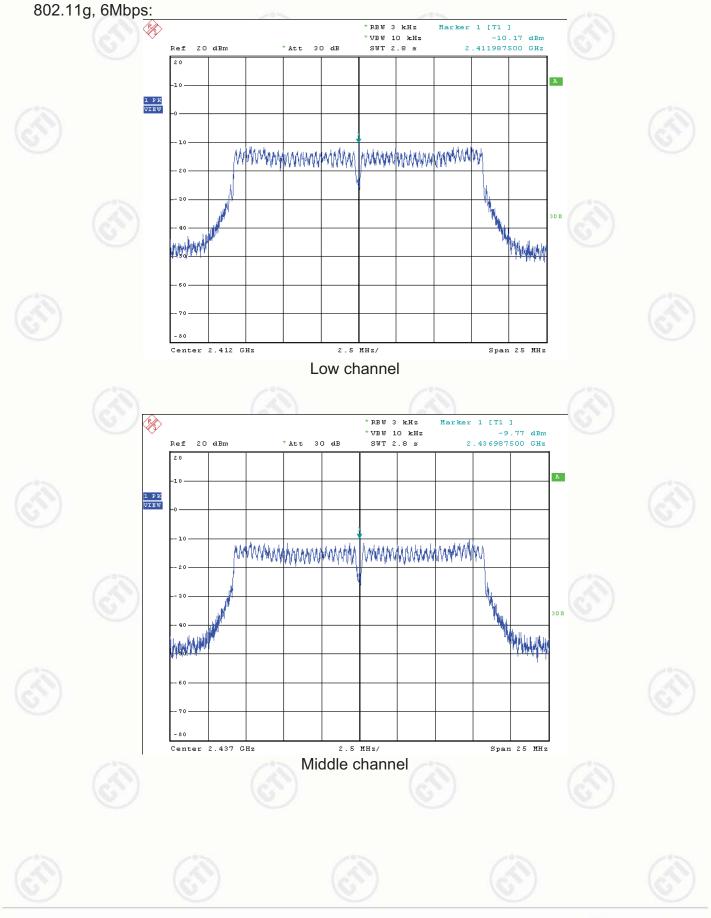








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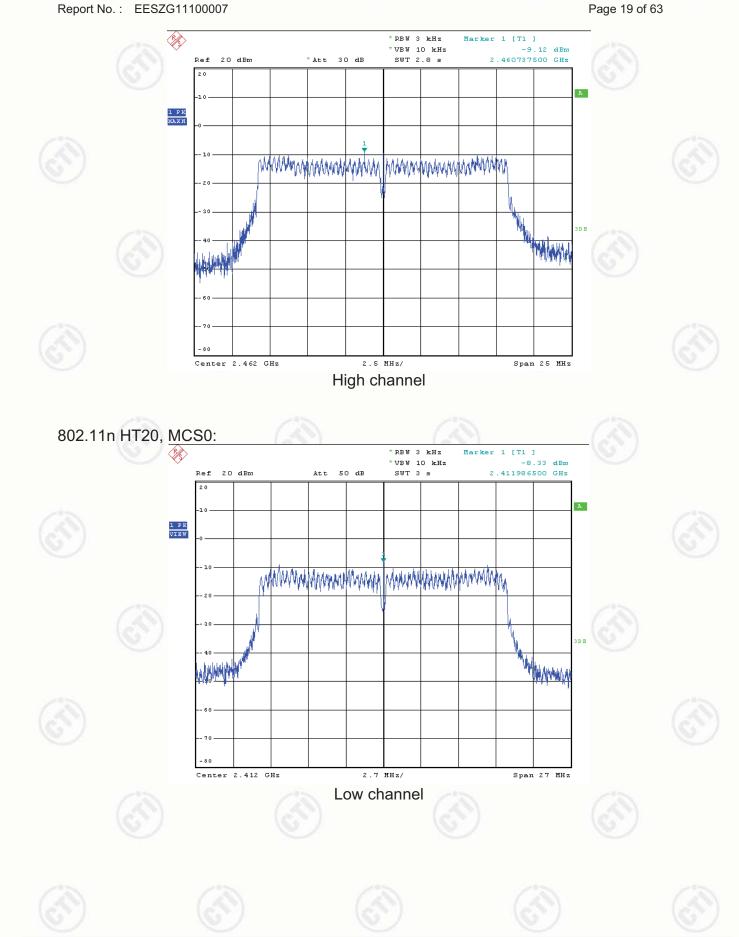
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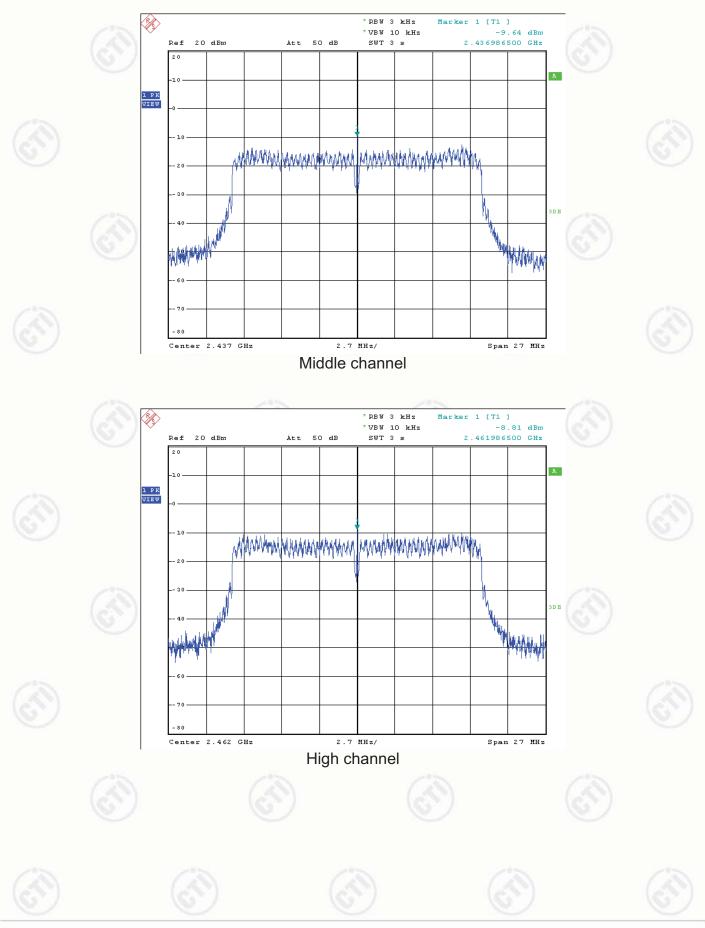
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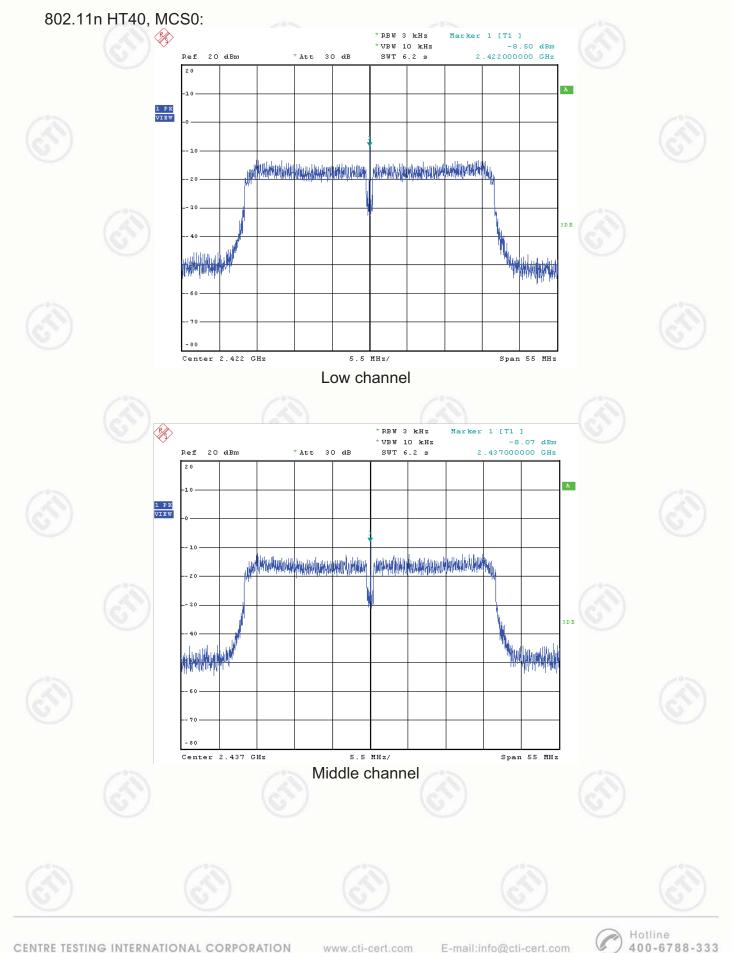








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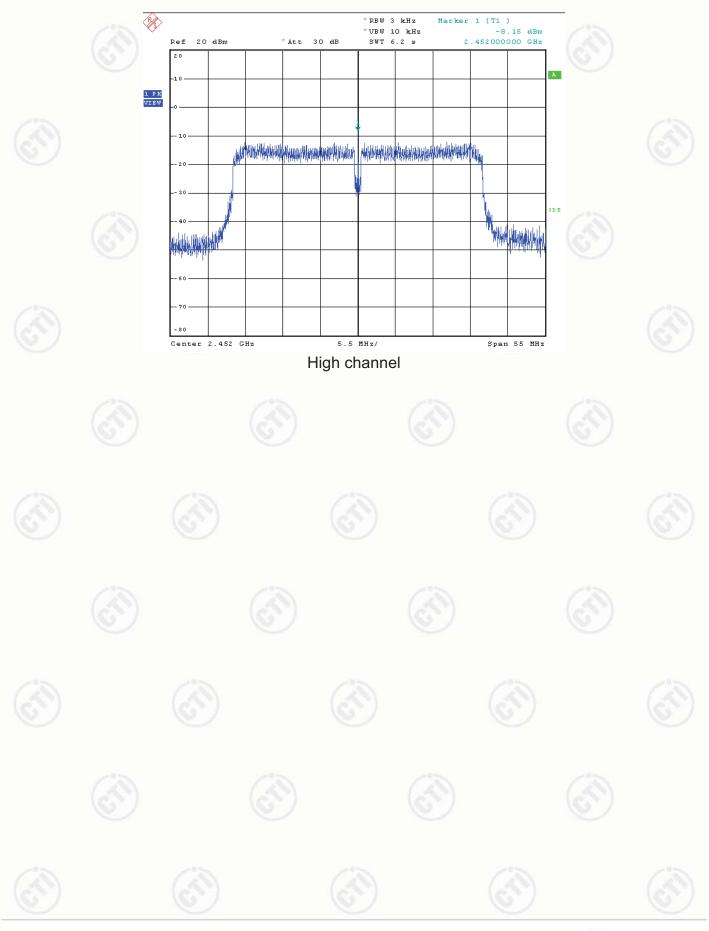


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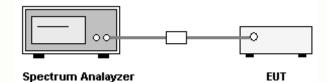
10. MAXIMUM PEAK CONDUCTED OUTPUT POWER MEASUREMENT

10.1. LIMITS

The maximum peak conducted output power of the intentional radiator shall not exceed the following:

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt (30dBm).

10.2. BLOCK DIAGRAM OF TEST SETUP



10.3. TEST PROCEDURE

- 1. The transmitter output is connected to the Spectrum analyzer. The Spectrum analyzer is set to the peak power detection.
- 2. Set spectrum analyzer's RBW and VBW to applicable and set span wide enough to capture the whole plot, record the frequency of the max emission in the plot.
- 3. Set the frequency as center frequency, and set RBW = 1 MHz, VBW >RBW, sweep= auto with Peak detector in Max Hold mode.

10.4. TEST RESULT

Frequency (MHz)	Data rate (Mbps)	Result (dBm)	Limit (dBm)
	1	19.66	30
Low Channel: 2412	5.5	19.52	30
	11	18.96	30
	1	20.71	30
Middle Channel: 2437	5.5	19.99	30
	11	20.09	30
	1	21.17	30
High Channel: 2462	5.5	20.98	30
(25)	11	21.05	30

802.11b:

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802.11g:

Frequency (MHz)	Data rate (Mbps)	Result (dBm)	Limit (dBm)
	6	22.79	30
Low Channel: 2412	18	22.05	30
	54	21.98	30
	6	24.70	30
Middle Channel: 2437	18	23.69	30
	54	23.58	30
High Channel: 2462	6	24.90	30
	18	24.58	30
	54	24.52	30

802.11n HT20:	
002.11111120.	

Frequency (MHz)	Data rate (Mbps)	Result (dBm)	Limit (dBm)
	MCS0	25.48	30
Low Channel: 2412	MCS3	24.25	30
(25)	MCS7	25.04	30
Middle Channel: 2437	MCS0	24.46	30
	MCS3	24.46	30
	MCS7	23.96	30
High Channel: 2462	MCS0	22.34	30
	MCS3	21.96	30
	MCS7	22.03	30

802.11n HT40:

Frequency (MHz)	Data rate (Mbps)	Result (dBm)	Limit (dBm)
Low Channel: 2422	MCS0	24.62	30
	MCS3	23.63	30
	MCS7	24.09	30
Middle Channel: 2437	MCS0	25.64	30
	MCS3	24.23	30
	MCS7	24.85	30
High Channel: 2452	MCS0	21.02	30
	MCS3	19.99	30
	MCS7	19.89	30





Please see the following plots (worst case):



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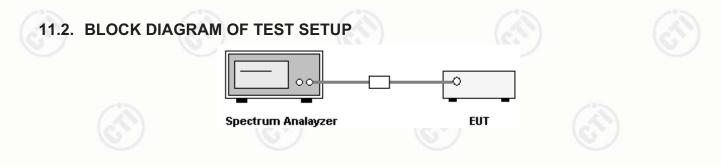


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11. BAND EDGE EMISSION MEASUREMENT

11.1. LIMITS

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. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).



11.3. TEST PROCEDURE

a) Set to the maximum power setting and enable the EUT transmit continuously.

b) Set RBW = 100 kHz, VBW = 300 kHz (\geq RBW). Band edge emissions must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100 kHz RBW.

c) Enable hopping function of the EUT and then repeat step a and b.

d) Measure and record the results in the test report.

11.4. TEST RESULT

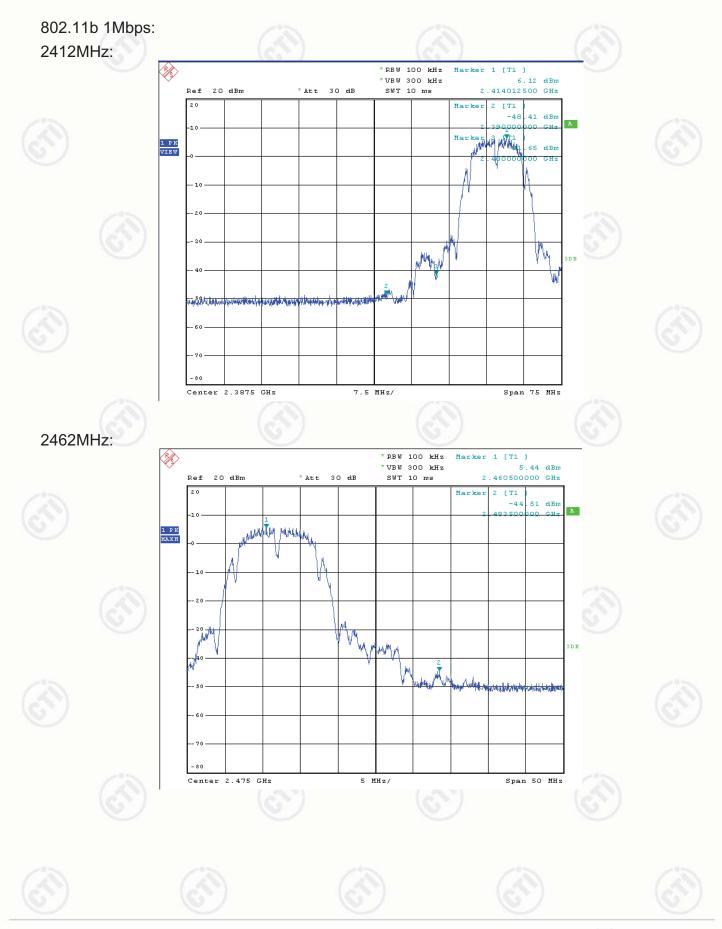
Worst case data attached.---please see the following plots.

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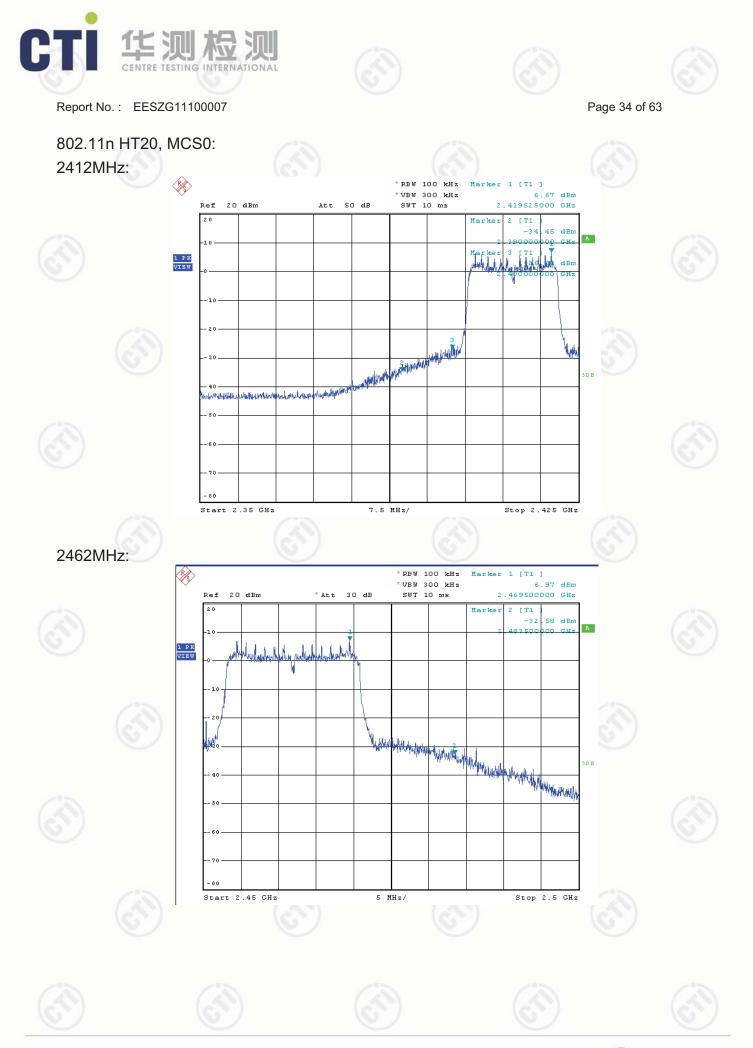


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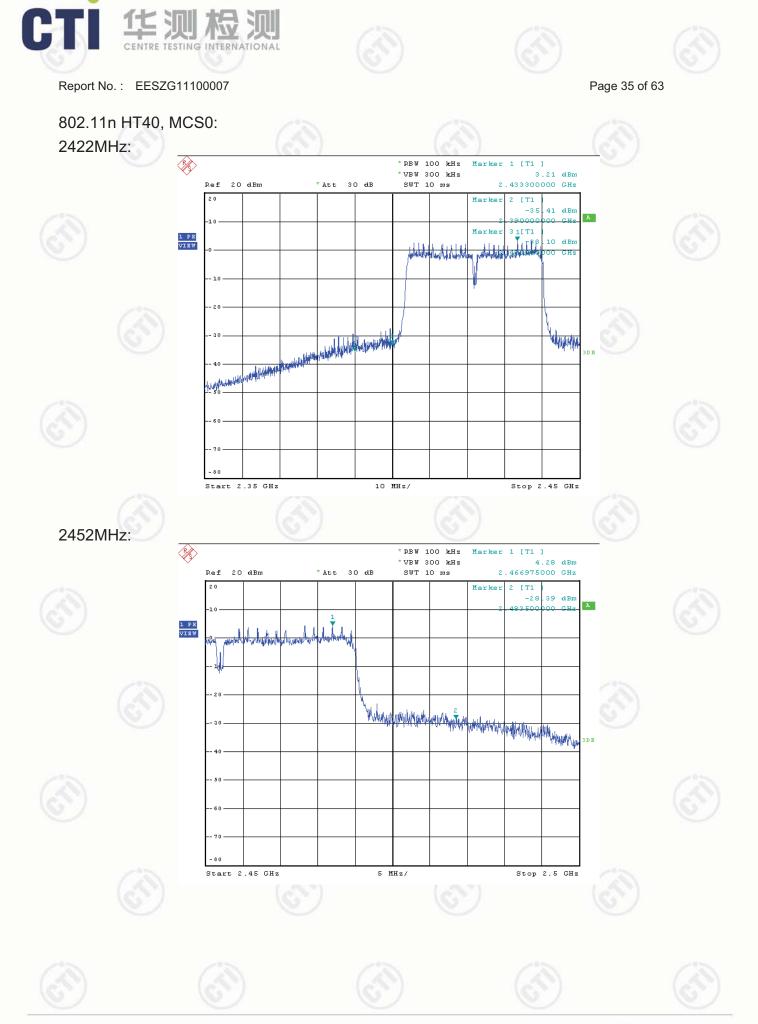








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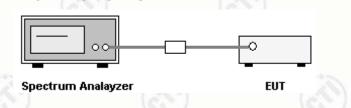
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12. SPURIOUS RF CONDUCTED EMISSIONS MEASUREMENT

12.1. LIMITS

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.

12.2. BLOCK DIAGRAM OF TEST SETUP



12.3. TEST PROCEDURE

- 1. The transmitter output (antenna port) was connected to the spectrum analyzer.
- 2. Set spectrum analyzer's RBW and VBW to applicable value with Peak in Max Hold.

3. Record the peak level of the in-band emission and all spurious emissions from the lowest frequency generated in the product up through the 10th harmonic.

12.4. TEST RESULT

Worst case data---Please see the following plots.











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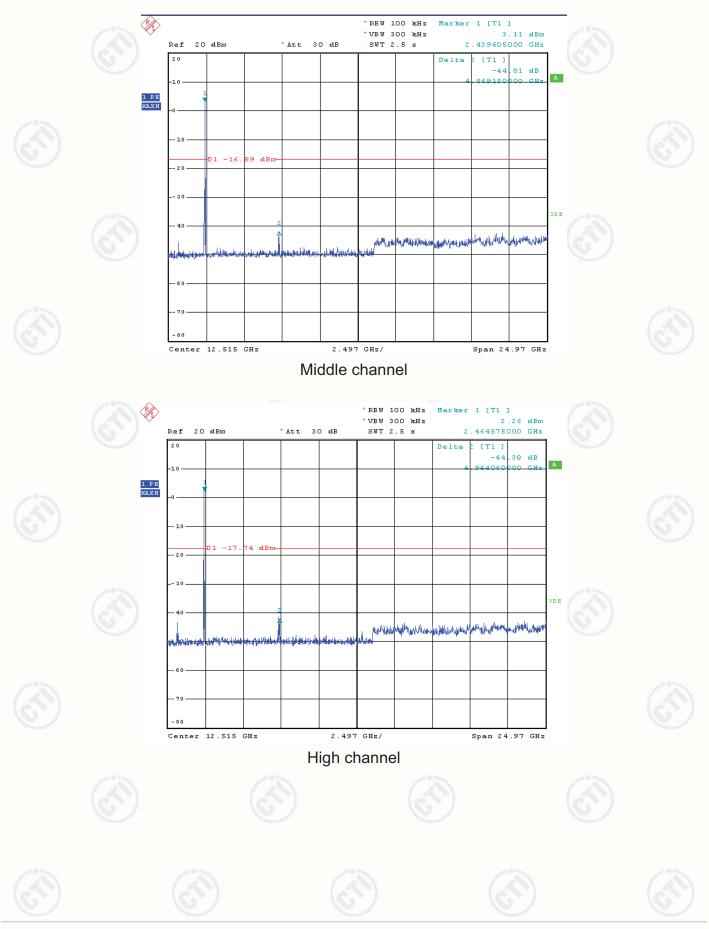
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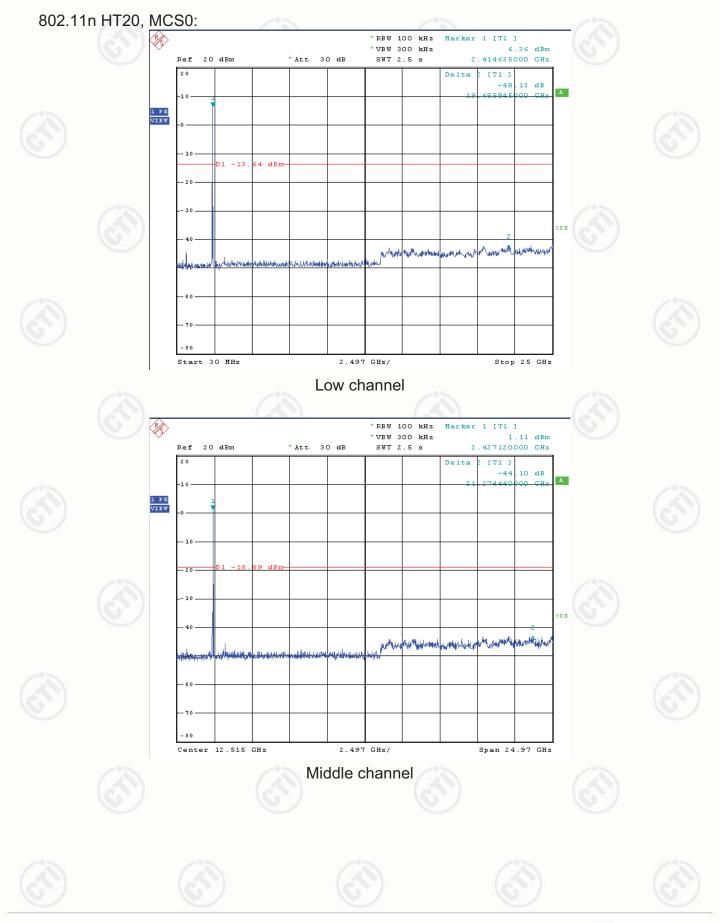
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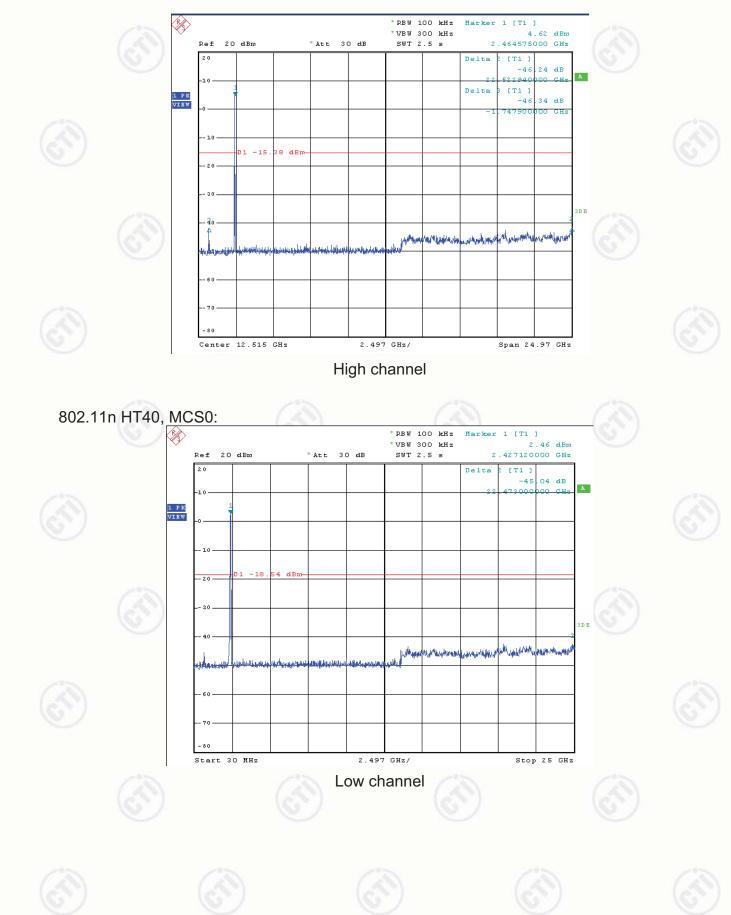






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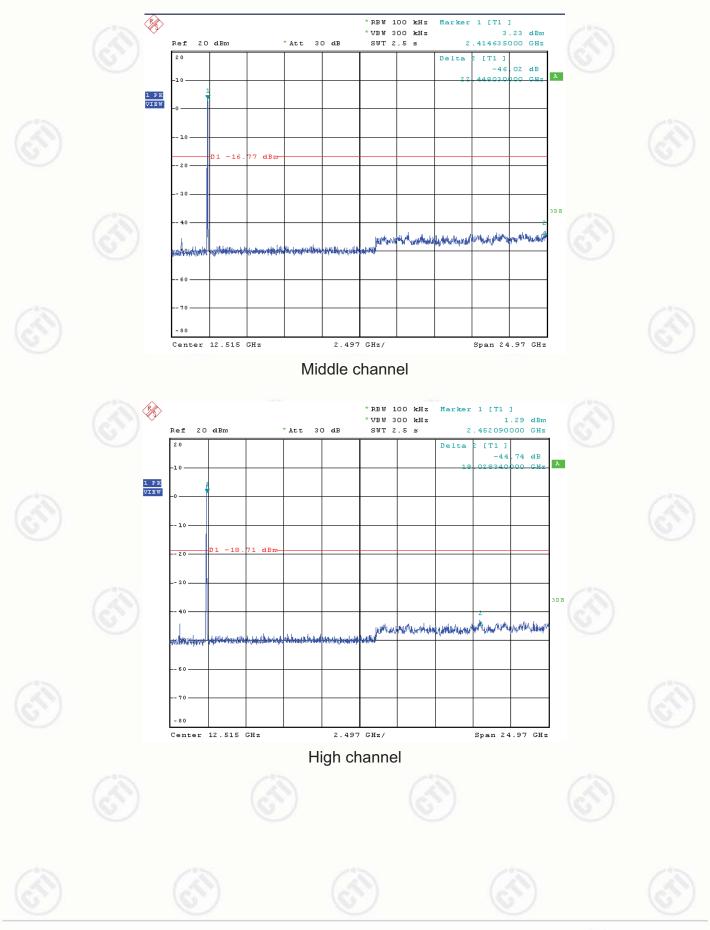
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13. RADIATED EMISSIONS MEASUREMENT

13.1. LIMITS

The field strength of any emissions, which appear outside of operating frequency band and restricted band specified on 15.205(a), shall not exceed the general radiated emission limits as below.

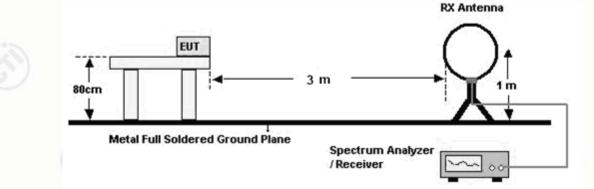
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Frequency (MHz)	Field strength (μV/m)	Distance (m)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

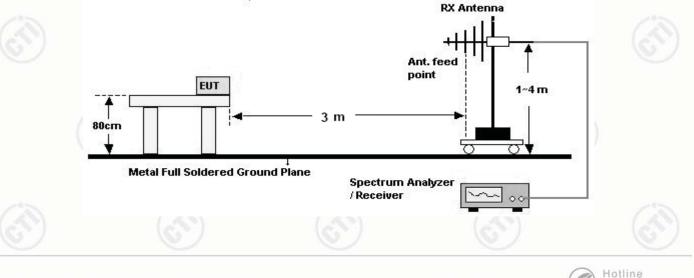
Note: the tighter limit applies at the band edges.

13.2. BLOCK DIAGRAM OF TEST SETUP

For radiated emissions from 9kHz to 30MHz

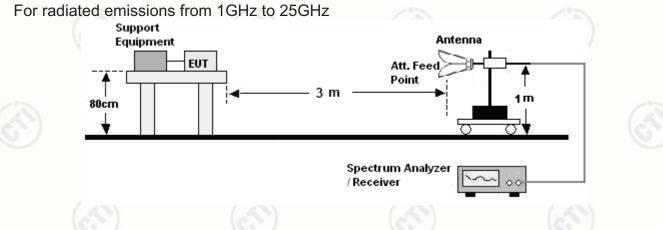


For radiated emissions from 30 - 1000MHz





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13.3. TEST PROCEDURE

Below 30MHz:

a. The product is placed on a turntable 0.8 meters above the ground in the chamber, 1 meter away from the antenna (loop antenna). The maximum values of the field strength are recorded by adjusting the polarizations of the test antenna and rotating the turntable.

b. For each suspected emission, the product was arranged to its worst case and then turn table was turned from 0 degrees to 360 degrees to find the maximum reading.

c. The test frequency analyzer system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

30MHz ~ 1GHz:

a. The Product was placed on the non-conductive turntable 0.8m above the ground at a chamber.

b. Set the spectrum analyzer/receiver in Peak detector, Max Hold mode, and 100 kHz RBW. Record the maximum field strength of all the pre-scan process in the full band when the antenna is varied between 1~4 m in both horizontal and vertical, and the turntable is rotated from 0 to 360 degrees.

c. For each frequency whose maximum record was higher or close to limit, measure its QP value (120 kHz RBW): vary the antenna's height and rotate the turntable from 0 to 360 degrees to find the height and degree where Product radiated the maximum emission, then set the test frequency analyzer/receiver to QP Detector and specified bandwidth with Maximum Hold Mode, and record the maximum value.

Above 1GHz:

a. The EUT was placed on the non-conductive turntable 0.8 m above the ground at a chamber.

b. Set the spectrum analyzer/receiver in Peak detector, Max Hold mode, and 1MHz RBW. Record the maximum field strength of all the pre-scan process in the full band when the antenna is varied in both horizontal and vertical, and the turntable is rotated from 0 to 360 degrees.

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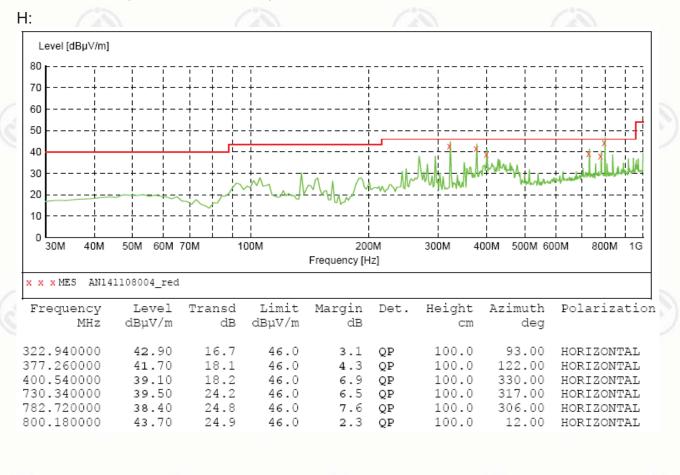
13.4. TEST RESULT

Below 30MHz:

No emissions were found higher than the background below 30MHz and background is lower than the limit, so it deems to compliance with the limit without recorded.

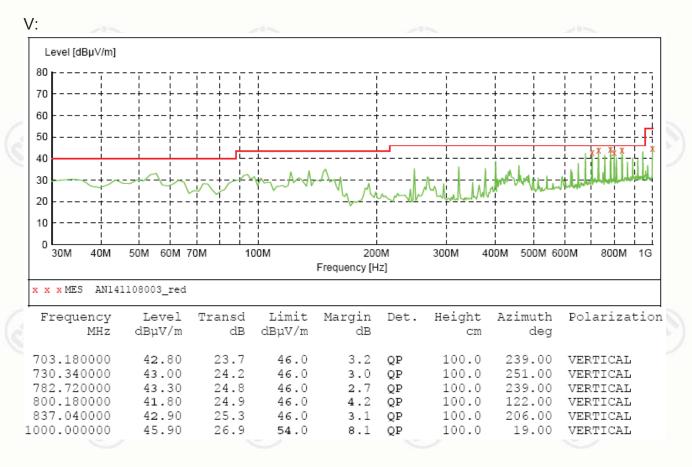
$30 \text{MHz} \sim 1 \text{GHz}$:

The test data of low channel, middle channel and high channel in IEEE 802.11b/g/n are almost same in frequency bands 30MHz to 1GHz and the data of low channel in IEEE 802.11b of 1Mbps are chosen as representative in below:





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Above 1GHz:

The test data of worst case are below:

IEEE 802.11b, 1Mbps:

Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limit (dBuV/m)	Detector Type	Antenna (H/V)	Result (P/F)
<u>(</u>)	(25)	2)	Low channel (24	412MHz)	(2)		(5)
2390.0	34.68	1.99	36.67	74	PK	Н	Р
2400.0	48.97	2.01	50.98	74	PK	Н	Р
4824.0	40.00	5.69	45.69	74	PK	н	Р
2390.0	34.98	1.99	36.97	74	PK	V	Р
2400.0	48.44	2.01	50.45	74	PK	V	Р
4824.0	41.00	5.69	46.69	74	PK	V	Р
12	200		Middle channel (2	2437MHz)	235		215
4874.0	39.48	6.15	45.63	74	PK	Н	Р
4874.0	40.14	6.15	46.29	74	PK	V	Р
	•		High channel (2-	462MHz)			
2483.5	42.07	2.18	44.25	74	PK	Н	Р
4924.0	33.82	11.8	45.62	74	PK	H	Р
2483.5	44.18	2.18	46.36	74	PK	V	Р
4924.0	34.42	11.8	46.22	74	PK	V	Р

















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IEEE 802.11g, 6Mbps:

Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limit (dBuV/m)	Detector Type	Antenna (H/V)	Result (P/F)
			Low channel (24	412MHz)			
2390.0	34.13	1.99	36.12	74	PK	Н	Р
2400.0	48.11	2.01	50.12	74	PK	Н	Р
4824.0	39.57	5.69	45.26	74	PK	Н	Р
2390.0	35.00	1.99	36.99	74	PK	V	Р
2400.0	48.7	2.01	50.71	74	PK	V	Р
4824.0	40.56	5.69	46.25	74	PK	V	Р
			Middle channel (2	2437MHz)			
4874.0	40.11	6.15	46.26	74	PK	Н	Р
4874.0	39.14	6.15	45.29	74	PK	V	Р
5)	6	9	High channel (24	462MHz)	67)		6
2483.5	43.14	2.18	45.32	74	PK	Н	Р
4924.0	34.27	11.8	46.07	74	PK	Н	Р
2483.5	43.73	2.18	45.91	74	PK	V	Р
4924.0	34.12	11.8	45.92	74	PK	V	Р

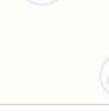
























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IEEE 802.11n HT20, MCS0:

Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limit (dBuV/m)	Detector Type	Antenna (H/V)	Result (P/F)
			Low channel (24	412MHz)			
2390.0	34.18	1.99	36.17	74	PK	Н	Р
2400.0	48.13	2.01	50.14	74	PK	Н	Р
4824.0	39.52	5.69	45.21	74	PK	Н	Р
2390.0	35.11	1.99	37.10	74	PK	V	Р
2400.0	48.11	2.01	50.12	74	PK	V	Р
4824.0	41.67	5.69	47.36	74	PK	V	Р
			Middle channel (2	2437MHz)			
4874.0	40.10	6.15	46.25	74	PK	Н	Р
4874.0	39.74	6.15	45.89	74	PK	V	Р
57	(C)	9	High channel (24	462MHz)	67		6
2483.5	43.51	2.18	45.69	74	PK	Н	Р
4924.0	35.45	11.8	47.25	74	PK	Н	Р
2483.5	43.94	2.18	46.12	74	PK	V	Р
4924.0	35.11	11.8	46.91	74	PK	V	Р





















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IEEE 802.11n HT40, MCS0:

Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limit (dBuV/m)	Detector Type	Antenna (H/V)	Result (P/F)
			Low channel (24	422MHz)			
2390.0	34.26	1.99	36.25	74	PK	Н	P
2400.0	49.03	2.01	51.04	74	PK	Н	Р
4844.0	40.98	5.71	46.69	74	PK	Н	Р
2390.0	35.97	1.99	37.96	74	PK	V	Р
2400.0	48.98	2.01	50.99	74	PK	V	Р
4844.0	42.65	5.71	48.36	74	PK	V	Р
			Middle channel (2	2437MHz)			
4874.0	42.11	6.15	48.26	74	PK	Н	Р
4874.0	41.10	6.15	47.25	74	PK	V	Р
5)	6	9	High channel (24	452MHz)	67)		6
2483.5	44.21	2.18	46.39	74	PK	Н	Р
4904.0	37.39	11.6	48.99	74	PK	Н	Р
2483.5	43.05	2.18	45.23	74	PK	V	Р
4904.0	35.61	11.6	47.21	74	PK	V	Р

Remark:

1. The above tables show that the frequencies peak data are all below the average limit, so the

average data of these frequencies are deems to fulfill the average limits and not reported.No emission found from 18GHz to 25GHz.

3. All outside of operating frequency band and restricted band specified are below 15.209.

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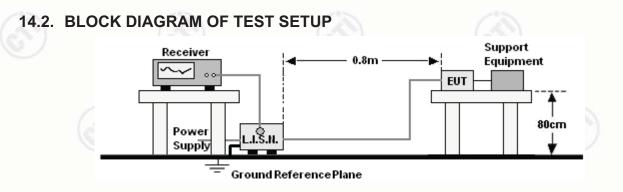
14. CONDUCTED EMISSION TEST

14.1. LIMITS

Frequency range	Limits dB(μV)					
(MHz)	Quasi-peak	Average				
0,15 to 0,50	66 to 56	56 to 46				
0,50 to 5	56	46				
5 to 30	60	50				

NOTE: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz.



14.3. PROCEDURE OF CONDUCTED EMISSION TEST

a. The Product was placed on a nonconductive table above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).

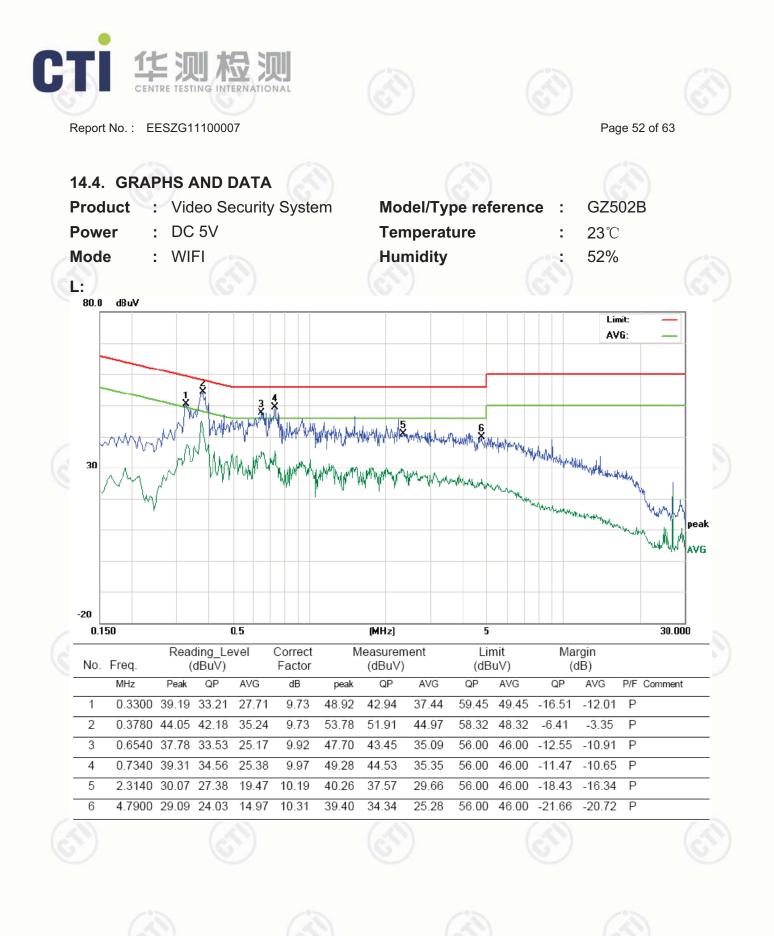
b. The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak and AVG detector in Max Hold mode. Run the receiver's pre-scan to record the maximum disturbance generated from Product in all power lines in the full band.

c. For each frequency whose maximum record was higher or close to limit, measure its QP and AVG values and record.





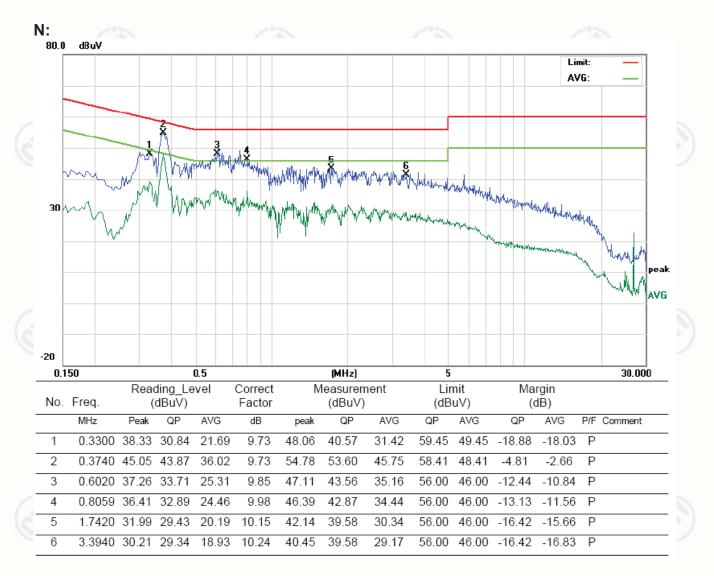








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TEST SETUP OF RADIATED EMISSION (above 1GHz)











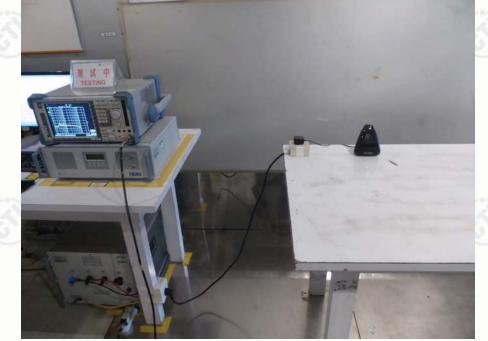




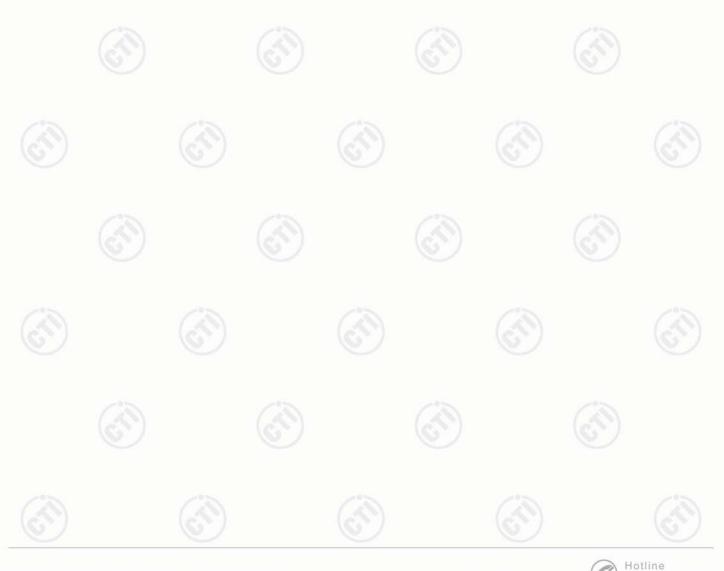








TEST SETUP OF CONDUCTED EMISSION



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External View of product-3





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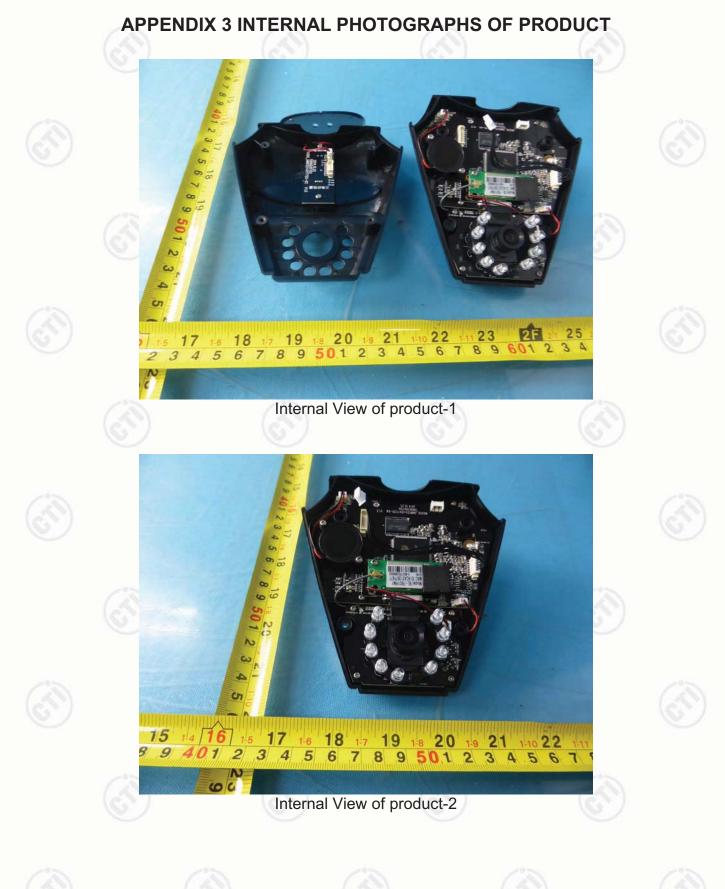
External View of product-7



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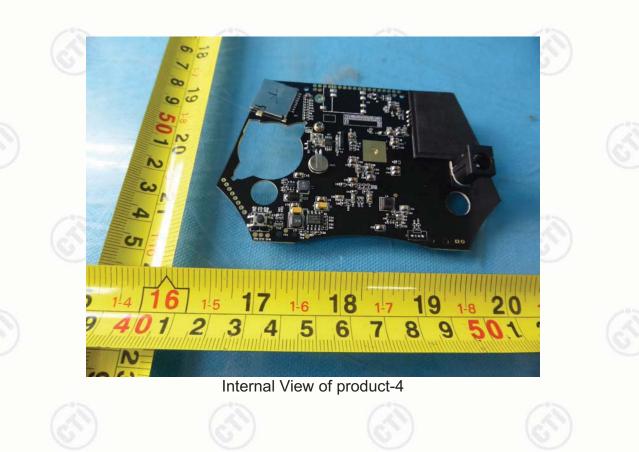




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Internal View of product-3









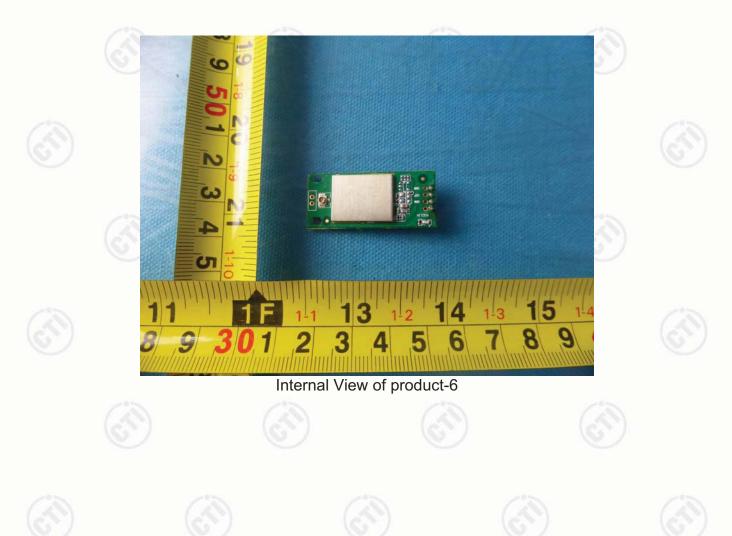




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Internal View of product-5





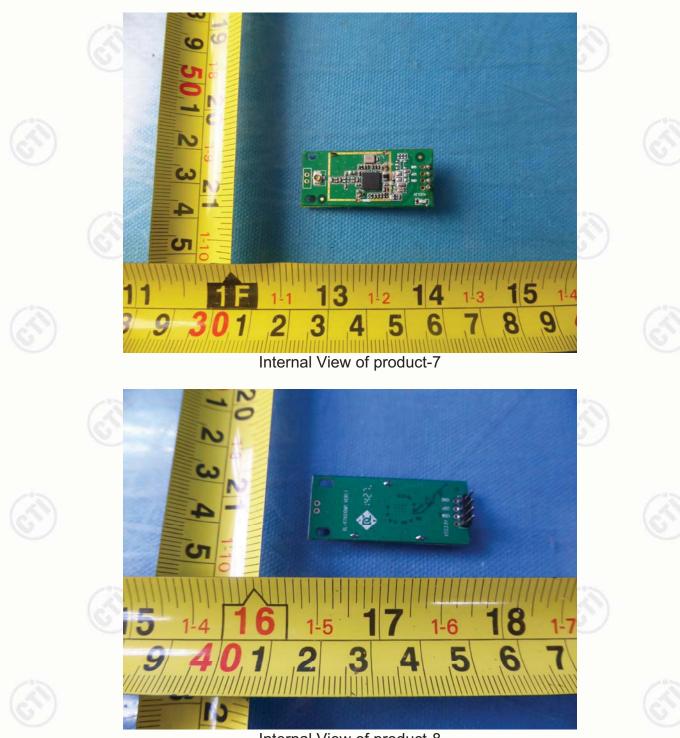








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Internal View of product-8

*** End of Report ***

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