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Nu.			
EUT	Four-Channel Wireless Digital Surverillance System	Model Name	GD7006
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2412MHZ	Antenna	Horizontal

PK



AV



RESULT: PASS

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Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2462MHZ	Antenna	Horizontal

PK



AV



RESULT: PASS

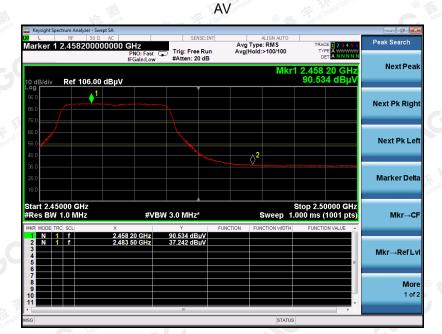
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Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2462MHZ	Antenna	Vertical





RESULT: PASS

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EUT	Four-Channel Wireless Digital Surverillance System	Model Name	GD7006
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2412MHZ	Antenna	Horizontal

PK



AV



RESULT: PASS

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EUT	Four-Channel Wireless Digital Surverillance System	Model Name	GD7006
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2412MHZ	Antenna	Vertical

PK



AV



RESULT: PASS

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	Four-Channel Wireless Digital		C. F. and Coba Co
EUT	Surverillance System	Model Name	GD7006
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2462MHZ	Antenna	Horizontal

PK



AV



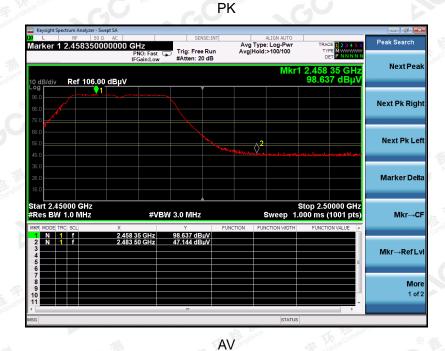
RESULT: PASS

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EUT	Four-Channel Wireless Digital Surverillance System	Model Name	GD7006
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2462MHZ	Antenna	Vertical



larker 1 2.458450000000 GHz ALIGN AUTO Avg Type: RMS Avg|Hold:>100/100 Peak Search Trig: Free Run #Atten: 20 dB NextPe 2.458 45 GH 90.652 dBu Ref 106.00 dBµV Next Pk Righ Next Pk Lo Marker Delt Stop 2.50000 GHz 1.000 ms (1001 pts) t 2.45000 GHz s BW 1.0 MHz #VBW 3.0 MHz* Sweep Mkr→CF 2.458 45 GHz 2.483 50 GHz 90.634 dBµV 36.987 dBµV Mkr→RefL More

RESULT: PASS

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Alle		Malor	
EUT	Four-Channel Wireless Digital Surverillance System	Model Name	GD7006
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 40 with data rate 13.5 2422MHZ	Antenna	Horizontal

ΡK



AV



RESULT: PASS

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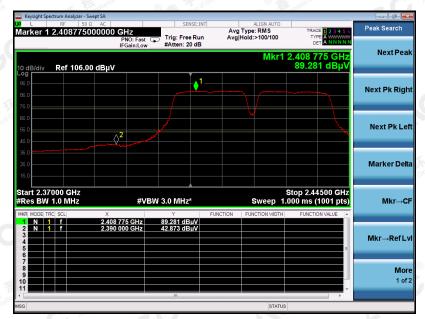
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EUT	Four-Channel Wireless Digital Surverillance System	Model Name	GD7006
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 40 with data rate 13.5 2422MHZ	Antenna	Vertical

ΡK



AV



RESULT: PASS

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		M NO	Collina Collina
EUT	Four-Channel Wireless Digital Surverillance System	Model Name	GD7006
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 40with data rate 13.5 2452MHZ	Antenna	Horizontal

ΡK



AV



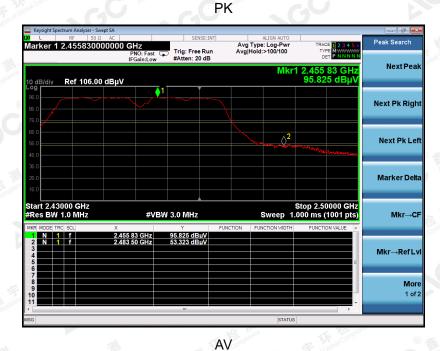
RESULT: PASS

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Temperature	25°C	Relative Humidity	55.4%
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Test Mode	802.11n 40 with data rate 13.5 2452MHZ	Antenna	Vertical



arker 1 2.448480000000 GHz ALIGN AUTO Avg Type: RMS Avg|Hold:>100/100 Peak Search Trig: Free Run #Atten: 20 dB NextPe Mkr1 2.448 48 GH 87.587 dBµ Ref 106.00 dBµV Next Pk Righ Next Pk Lo Marker Delt Stop 2.50000 GHz 1.000 ms (1001 pts) rt 2.43000 GHz s BW 1.0 MHz #VBW 3.0 MHz* Sweep Mkr→CF 2.448 48 GHz 2.483 50 GHz 87.612 dBµV 40.269 dBµV Mkr→RefL More

RESULT: PASS

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13. FCC LINE CONDUCTED EMISSION TEST

13.1. LIMITS OF LINE CONDUCTED EMISSION TEST

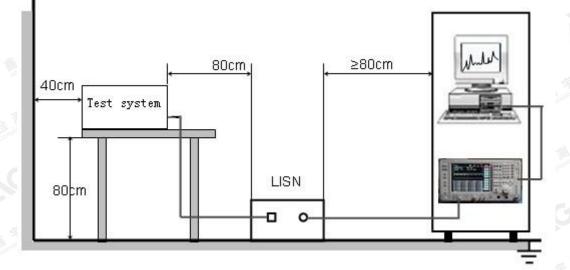
Freeman	Maximum RF Line Voltage					
Frequency	Q.P.(dBuV)	Average(dBuV)				
150kHz-500kHz	66-56	56-46				
500kHz-5MHz	56	46				
5MHz-30MHz	60 60	50				

Note:

1. The lower limit shall apply at the transition frequency.

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

13.2. BLOCK DIAGRAM OF TEST SETUP



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13.3. PROCEDURE OF LINE CONDUCTED EMISSION TEST

- (1) The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- (2) Support equipment, if needed, was placed as per ANSI C63.10.
- (3) All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- (4) The EUT received DC 5V power from adapter which received AC120V/60Hz power from a LISN.
- (5) The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- (6) Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- (7) During the above scans, the emissions were maximized by cable manipulation.
- (8) A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions.
- (9) Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less –2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.

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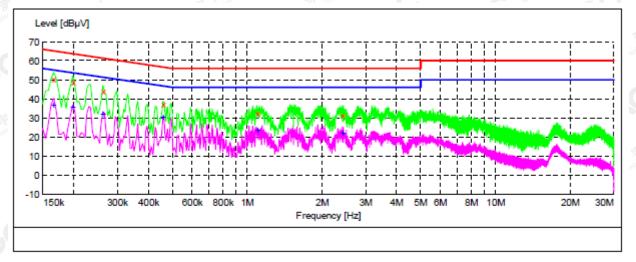




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13.4. TEST RESULT OF LINE CONDUCTED EMISSION TEST

LINE CONDUCTED EMISSION TEST-L1



MEASUREMENT RESULT: "TEST fin"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.166000 0.198000 0.262000 0.458000 1.098000 2.414000	50.70 49.00 44.20 37.10 32.80 31.70	10.3 10.2 10.3 10.4 10.4	65 64 61 57 56 56	14.5 14.7 17.2 19.6 23.2 24.3	QP QP QP QP QP QP	L1 L1 L1 L1 L1 L1	FLO FLO FLO FLO FLO FLO

MEASUREMENT RESULT: "TEST fin2"

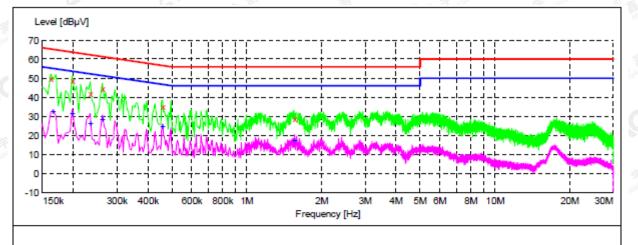
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.166000 0.198000 0.262000 0.458000 1.098000 2.414000	37.00 35.60 31.80 30.40 23.40 21.80	10.3 10.2 10.3 10.4 10.4	55 54 51 47 46 46	18.1 19.6	AV AV AV AV AV AV	L1 L1 L1 L1 L1 L1	FLO FLO FLO FLO FLO FLO

RESULT: PASS

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MEASUREMENT RESULT: "TEST fin"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.162000	49.90	10.3	65	15.5	QP	N	FLO
0.198000	48.50	10.3	64	15.2	QP	N	FLO
0.234000	42.30	10.3	62	20.0	OP	N	FLO
0.262000	44.50	10.3	61	16.9	QP	N	FLO
0.458000	35.30	10.3	57	21.4	QP	N	FLO
1.558000	28.80	10.4	56	27.2	QP	N	FLO

MEASUREMENT RESULT: "TEST fin2"

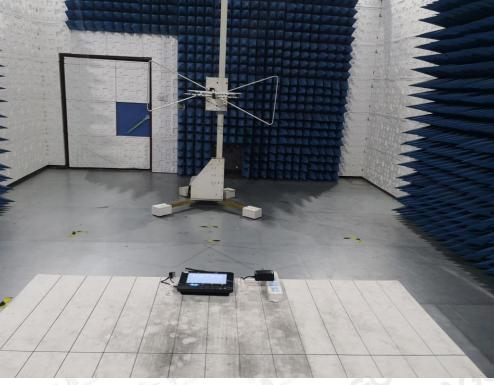
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.166000	32.60	10.3	55	22.6	AV	N	FLO
0.198000	31.30	10.3	54	22.4	AV	N	FLO
0.234000	26.20	10.3	52	26.1	AV	N	FLO
0.262000	28.30	10.2	51	23.1	AV	N	FLO
0.458000	24.90	10.3	47	21.8	AV	N	FLO
1.558000	17.50	10.4	46	28.5	AV	N	FLO

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APPENDIX A: PHOTOGRAPHS OF TEST SETUP FCC RADIATED EMISSION TEST SETUP BELOW 1GHZ



FCC RADIATED EMISSION TEST SETUP ABOVE 1GHZ



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FCC CONDUCTED EMISSION TEST SETUP



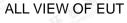
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APPENDIX B: PHOTOGRAPHS OF EUT





100 80 80 000 40 06 00L 01 10 500 09 08 02 08 50 30 07 09 09 OL 06 **001** 01 50 30 07 02

TOP VIEW OF EUT

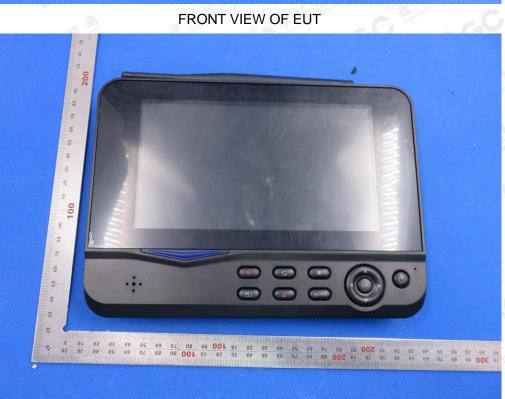
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BOTTOM VIEW OF EUT





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BACK VIEW OF EUT



LEFT VIEW OF EUT



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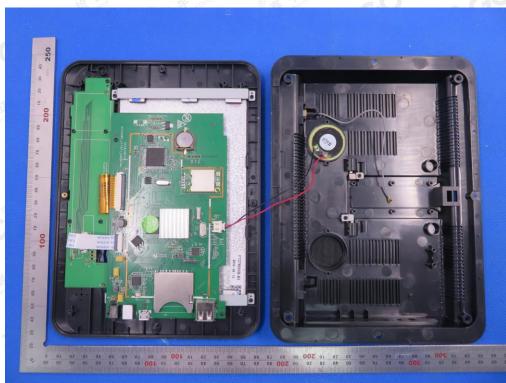


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RIGHT VIEW OF EUT



OPEN VIEW OF EUT-1



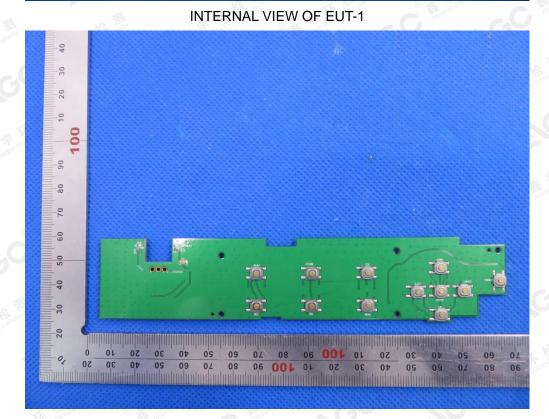
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OPEN VIEW OF EUT-2

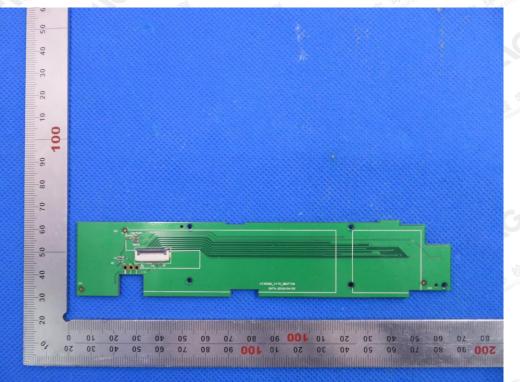




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INTERNAL VIEW OF EUT-2

INTERNAL VIEW OF EUT-3



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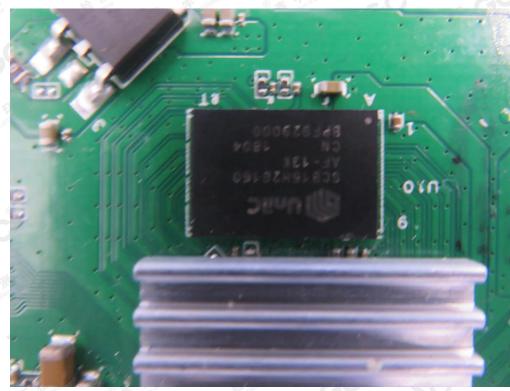


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INTERNAL VIEW OF EUT-4



INTERNAL VIEW OF EUT-5

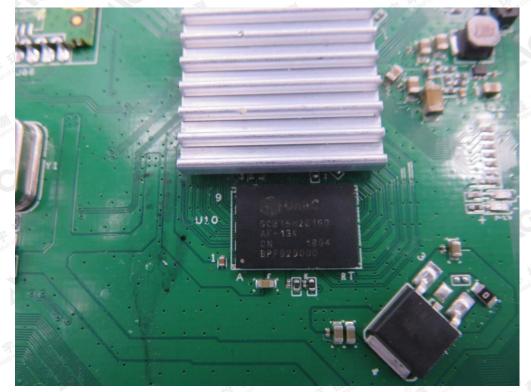


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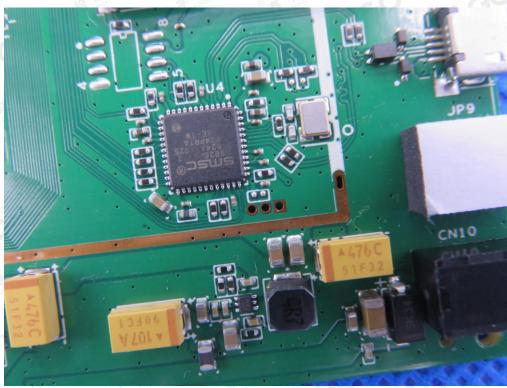


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INTERNAL VIEW OF EUT-6



INTERNAL VIEW OF EUT-7



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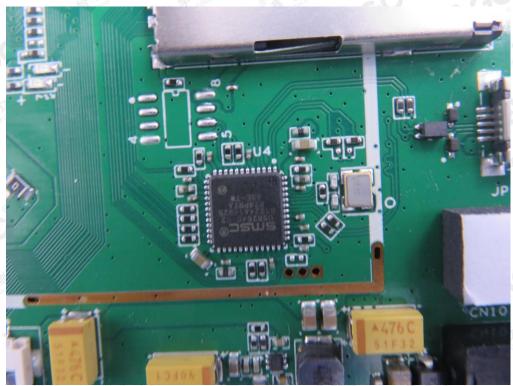


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INTERNAL VIEW OF EUT-8

INTERNAL VIEW OF EUT-9

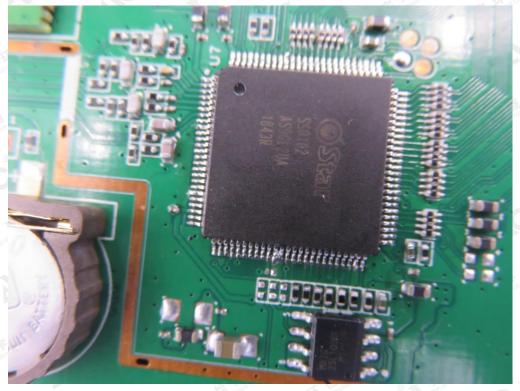


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INTERNAL VIEW OF EUT-10



INTERNAL VIEW OF EUT-11



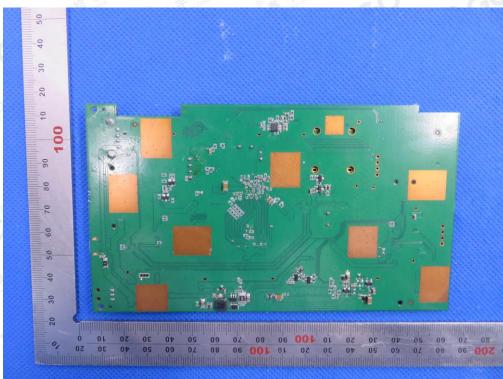
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INTERNAL VIEW OF EUT-12

INTERNAL VIEW OF EUT-13



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VIEW OF ANTENNA CONNECTOR



----END OF REPORT----

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