

g/Inspection
The test results
the test report.



EUT	Tablet	Model Name	GS61016
Temperature	21.8°C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 40 with data rate 13.5 2422MHZ	Antenna	Vertical

PΚ

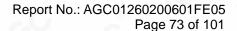


ΑV



RESULT: PASS

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the stedicated restriction is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuance of Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



The test results



EUT	Tablet	Model Name	GS61016
Temperature	21.8°C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 40with data rate 13.5 2452MHZ	Antenna	Horizontal

PΚ

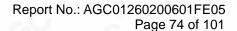


ΑV



RESULT: PASS

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13. FCC LINE CONDUCTED EMISSION TEST

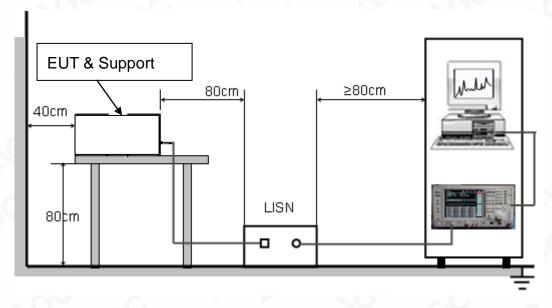
13.1. LIMITS OF LINE CONDUCTED EMISSION TEST

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

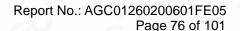
Note:

- 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 0.50 MHz.

13.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



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13.3. PRELIMINARY 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. All support equipments received AC120V/60Hz power from a LISN, if any.
- 5. The EUT received DC 24V power from adapter which received AC120V/60Hz power from a LISN.
- 6. The 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.
- 7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- 8. During the above scans, the emissions were maximized by cable manipulation.
- 9. The test mode(s) were scanned during the preliminary test.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

13.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

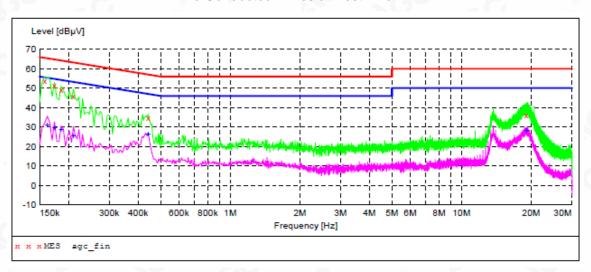
- 1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
- 2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were 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.
- 3. The test data of the worst case condition(s) was reported on the Summary Data page.

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13.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

Line Conducted Emission Test Line 1-L



MEASUREMENT RESULT: "agc fin"

202	20/8/26 11:	02					
	Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
	0.158000	53.80	9.3	66	11.8	QP	L1
	0.174000	51.60	9.3	65	13.2	QP	L1
	0.186000	49.20	9.3	64	15.0	QP	L1
	0.210000	45.70	9.3	63	17.5	QP	L1
	0.442000	34.70	9.3	57	22.3	QP	L1
	19.046000	36.20	11.2	60	23.8	QP	L1

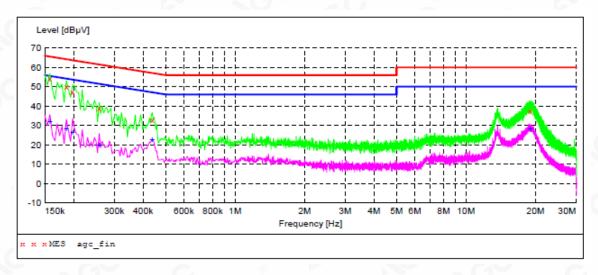
MEASUREMENT RESULT: "agc fin2"

2020/8/26 11	:02					
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.162000	30.80	9.3	55	24.6	AV	L1
0.174000	29.80	9.3	55	25.0		L1
0.186000	28.50	9.3	54	25.7		L1
0.210000	25.60	9.3	53	27.6	AV	L1
0.442000	26.20	9.3	47	20.8	AV	L1
19.046000	28.00	11.2	50	22.0	AV	L1

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Line Conducted Emission Test Line 2-N



MEASUREMENT RESULT: "agc fin"

2020/8/26 10: Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line
0.158000 0.186000 0.198000 0.258000 0.438000 18.946000	54.20 49.90 47.50 39.00 33.00 37.40	9.3 9.3 9.3 9.3 11.2	66 64 64 62 57	11.4 14.3 16.2 22.5 24.1 22.6	QP QP	N N N N N

MEASUREMENT RESULT: "agc_fin2"

2020/8/26 10:58							
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	
0.158000	31.80	9.3	56	23.8	AV	N	
0.186000	28.20	9.3	54	26.0	AV	N	
0.198000	26.50	9.3	54	27.2	AV	N	
0.258000	19.90	9.3	52	31.6	AV	N	
0.438000	22.50	9.3	47	24.6	AV	N	
18.954000	28.30	11.2	50	21.7	AV	N	

RESULT: PASS

Note: All the test modes had been tested, the mode 1 was the worst case. Only the data of the worst case would be record in this test report.

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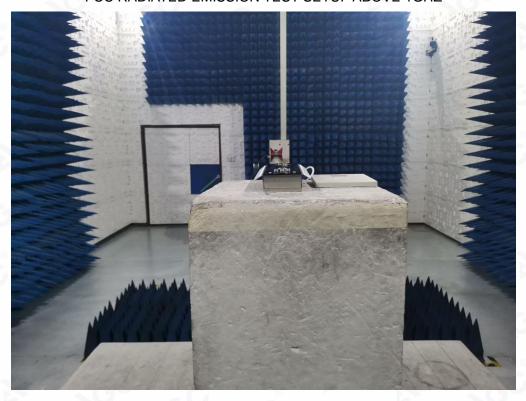


APPENDIX A: PHOTOGRAPHS OF TEST SETUP

FCC RADIATED EMISSION TEST SETUP BELOW 1GHZ



FCC RADIATED EMISSION TEST SETUP ABOVE 1GHZ



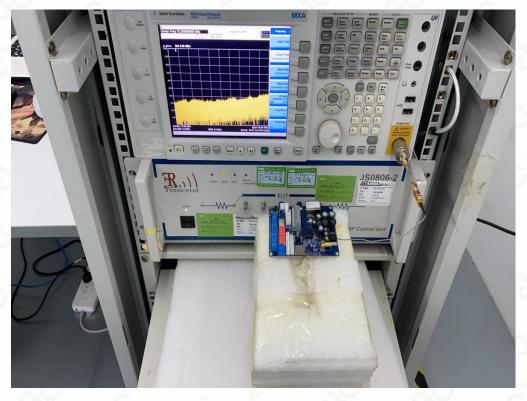
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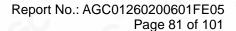
CONDUCTED EMISSION TEST SETUP



CONDUCTED TEST SETUP



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APPENDIX B: PHOTOGRAPHS OF EUT

ALL VIEW OF EUT



Test model: PRAET(long shape)

TOTAL VIEW OF EUT



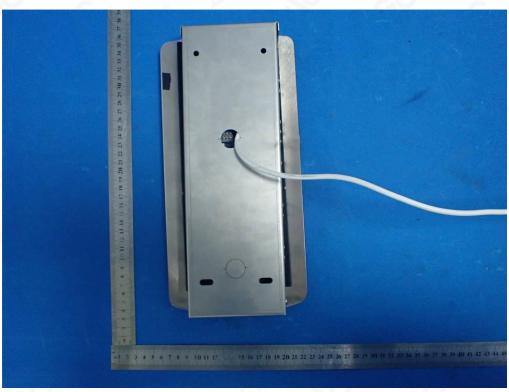
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TOP VIEW OF EUT



BOTTOM VIEW OF EUT



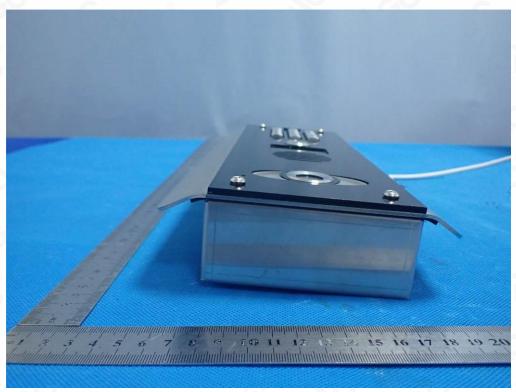
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FRONT VIEW OF EUT



BACK VIEW OF EUT



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LEFT VIEW OF EUT



RIGHT VIEW OF EUT



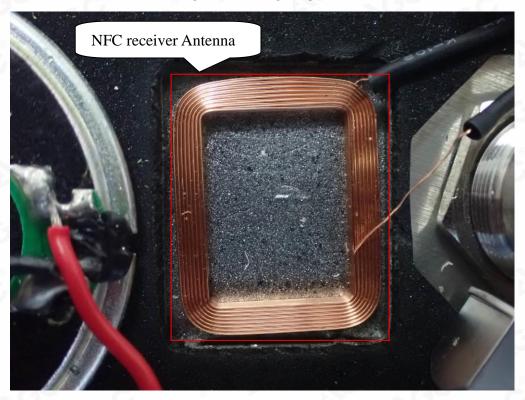
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OPEN VIEW OF EUT-1



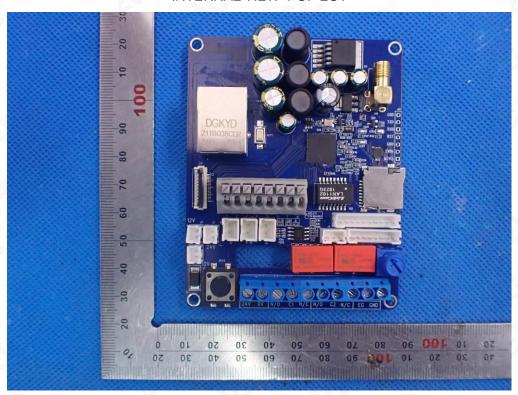
OPEN VIEW OF EUT-2



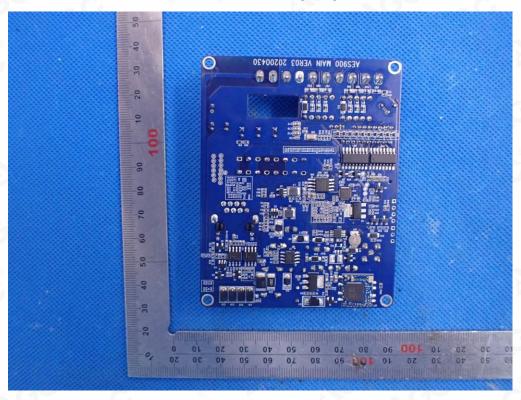
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INTERNAL VIEW-1 OF EUT



INTERNAL VIEW-2 OF EUT



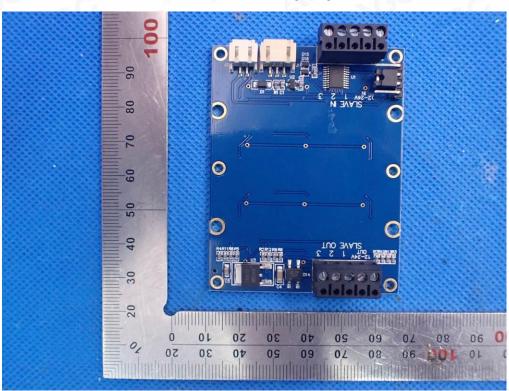
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INTERNAL VIEW-3 OF EUT



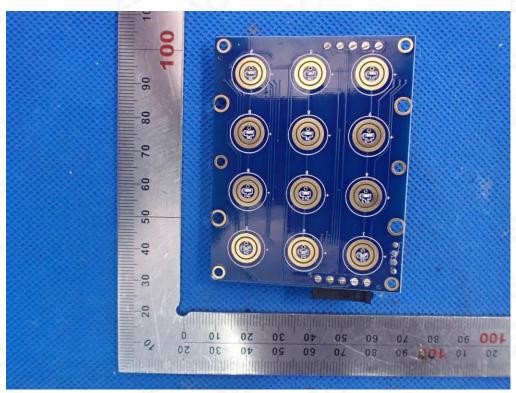
INTERNAL VIEW-4 OF EUT



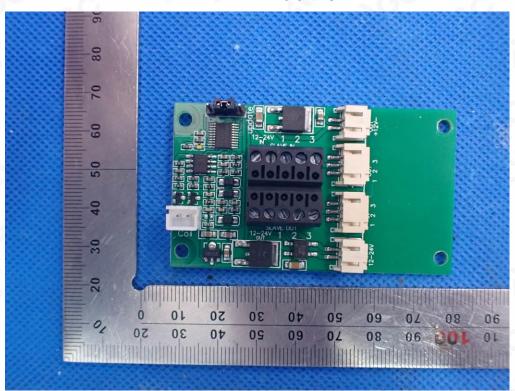
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INTERNAL VIEW-5 OF EUT



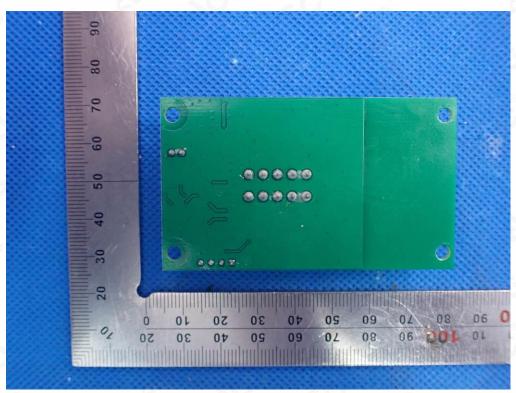
INTERNAL VIEW-6 OF EUT



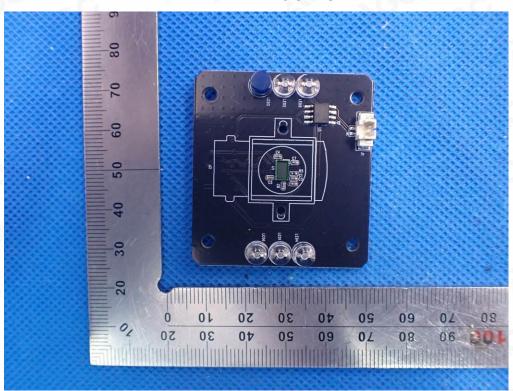
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INTERNAL VIEW-7 OF EUT



INTERNAL VIEW-8 OF EUT



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