

EUT	VAVA Chroma 4K UST Triple Laser Projector	Model Name	VA-SP003
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ac80 5530MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS

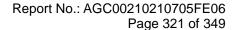


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Note:

- 1. All the antennas have been pre-tested, and all modes of each antenna are tested. All the 20MHz bandwidth modulation had been tested, the antenna 1 in 802.11a20 at 5180MHz was the worst case and record in his test report. All the 40MHz bandwidth modulation had been tested, the antenna 1+2 in 802.11N40 at 5190MHz was the worst case and record in his test report. All the 80MHz bandwidth modulation had been tested, the antenna 1+2 in 802.11AC80 at 5210MHz was the worst case and record in his test report.
- 2. The factor had been edited in the "Input Correction" of the Spectrum Analyzer.
- Only the data of band edge emission at the restricted band 4.5GHz-5.15GHz and 5.35GHz-5.46GHz
 record in the report. Other restricted band 7.25GHz-7.77GHz were considered as ambient noise. No
 recording in the test report.
- 4. The sideband standard of Band 4 frequency band is not defined, the transmitted signal does not fall in the restricted band, and the edge signal is far away from the edge of other restricted bands, and it is not recorded in the report.





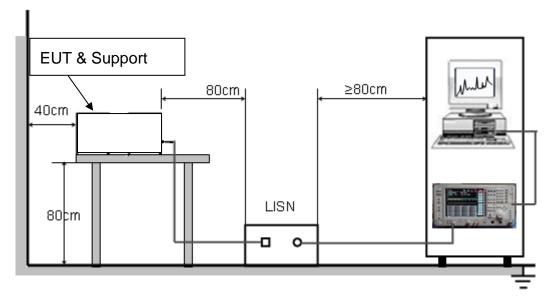
12.1. LIMITS OF LINE CONDUCTED EMISSION TEST

F	Maximum RF	Line Voltage
Frequency	Q.P (dBµV)	Average (dBμV)
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 0.50MHz.

12.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST





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12.3. 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 equipment received AC120V/60Hz power from a LISN, if any.
- 5. The EUT received charging voltage by adapter which received 120V/60Hzpower by 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.

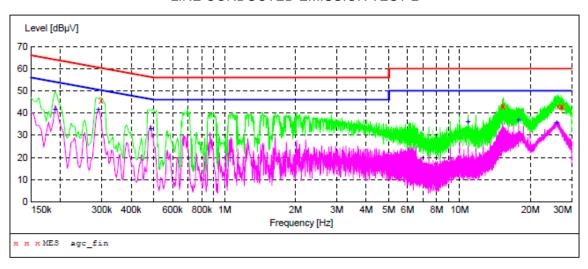
12.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

- 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 was reported on the Summary Data page.



12.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

Power board A at 802.11a20 5180MHz LINE CONDUCTED EMISSION TEST-L



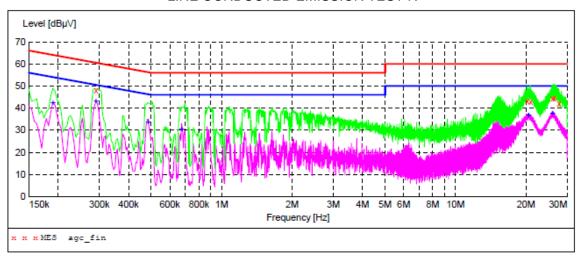
MEASUREMENT RESULT: "agc_fin"

2021/7/20 0:2 Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line
0.298000 15.230000 15.358000 26.294000 27.050000 27.490000	45.70 43.40 42.70 42.70 43.00 42.70	6.0 8.3 8.4 9.3 9.3	60 60 60 60 60	14.6 16.6 17.3 17.3 17.0	QP	L1 L1 L1 L1 L1

MEASUREMENT RESULT: "agc_fin2"

2021/7/20	0:25					
Frequenc MH	-	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.19000	0 41.70	6.6	54	12.3	AV	L1
0.29000	0 41.70	6.1	51	8.8	AV	L1
0.48600	0 33.10	5.4	46	13.1	AV	L1
10.87800	0 36.00	7.2	50	14.0	AV	L1
17.83800	0 36.70	8.6	50	13.3	AV	L1
25.97800	0 35.60	9.2	50	14.4	AV	L1





MEASUREMENT RESULT: "agc_fin"

Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
47.90	6.1	61	12.6	QP	N
43.20	8.8	60	16.8	QP	N
42.80	8.9	60	17.2	QP	N
44.60	9.3	60	15.4	QP	N
44.60	9.3	60	15.4	QP	N
42.10	9.4	60	17.9	QP	N
	Level dBµV 47.90 43.20 42.80 44.60 44.60	Level Transd dB	Level Transd Limit dBμV dB dBμV 47.90 6.1 61 43.20 8.8 60 42.80 8.9 60 44.60 9.3 60 44.60 9.3 60	Level dBμV Transd dB dBμV Limit dBμV Margin dB 47.90 6.1 61 12.6 43.20 8.8 60 16.8 42.80 8.9 60 17.2 44.60 9.3 60 15.4 44.60 9.3 60 15.4	Level dBμV Transd dB dBμV Limit dBμV Margin dB Detector dB 47.90 6.1 61 12.6 QP 43.20 8.8 60 16.8 QP 42.80 8.9 60 17.2 QP 44.60 9.3 60 15.4 QP 44.60 9.3 60 15.4 QP

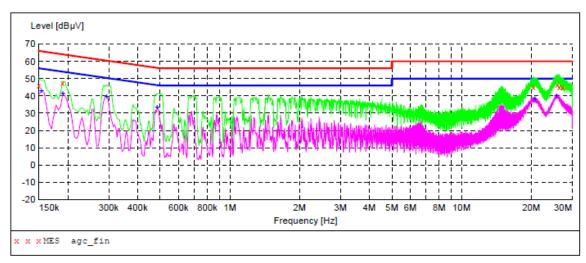
MEASUREMENT RESULT: "agc_fin2"

2021/7/20	0:33					
Frequen M	cy Level Hz dBµ\		Limit dBµV	Margin dB	Detector	Line
0.1900	00 42.60	6.6	54	11.4	AV	N
0.2900	00 43.40	6.1	51	7.1	AV	N
0.4860	00 33.70	5.4	46	12.5	AV	N
0.6740	00 30.70	5.4	46	15.3	AV	N
20.5380	00 36.90	8.8	50	13.1	AV	N
25.9820	00 37.50	9.2	50	12.5	AV	N

RESULT: PASS



Power board A at 802.11a20 5200MHz LINE CONDUCTED EMISSION TEST-L



MEASUREMENT RESULT: "agc_fin"

2021/7/20 21:33

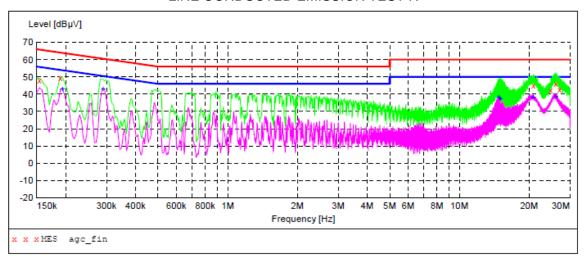
2021/1/20 21:	33					
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.150000	46.20	6.9	66	19.8	QP	L1
0.190000	47.40	6.6	64	16.6	QP	L1
20.410000	44.90	8.8	60	15.1	QP	L1
25.838000	46.60	9.2	60	13.4	QP	L1
26.406000	45.20	9.3	60	14.8	QP	L1
27.338000	45.10	9.4	60	14.9	QP	L1

MEASUREMENT RESULT: "agc fin2"

2021/7/20 21:33

2021/1/20 21.	55					
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154000	43.10	6.9	56	12.7	AV	L1
0.190000	41.60	6.6	54	12.4	AV	L1
0.294000	39.70	6.1	50	10.7	AV	L1
0.486000	33.50	5.4	46	12.7	AV	L1
20.670000	38.60	8.9	50	11.4	AV	L1
25.582000	40.40	9.2	50	9.6	AV	L1





MEASUREMENT RESULT: "agc_fin"

2021/7/20 21:	52					
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154000	48.00	6.9	66	17.8	QP	N
0.190000	49.40	6.6	64	14.6	QP	N
20.874000	44.90	8.9	60	15.1	QP	N
24.782000	42.30	9.1	60	17.7	QP	N
26.030000	45.80	9.3	60	14.2	QP	N
27.078000	42.90	9.3	60	17.1	QP	N

MEASUREMENT RESULT: "agc fin2"

2021/7/20	21:52					
-	-	vel Transo BµV di		_	Detector	Line
0.1940	000 43	.00 6.0	6 54	10.9	AV	N
0.2900	000 43.	.20 6.3	1 51	7.3	AV	N
14.8020	000 38.	.50 8.3	3 50	11.5	AV	N
14.9900	00 37.	.70 8.3	3 50	12.3	AV	N
20.7380	000 38.	.50 8.9	9 50	11.5	AV	N
26.0020	000 39.	.10 9.3	3 50	10.9	AV	N

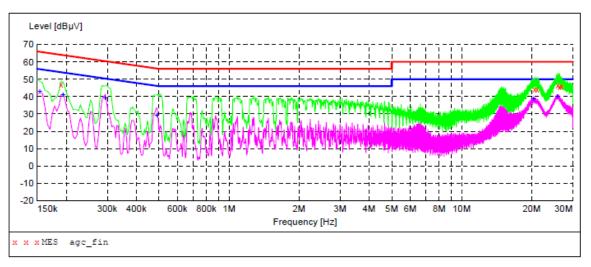
RESULT: PASS

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Power board A at 802.11a20 5240MHz LINE CONDUCTED EMISSION TEST-L



MEASUREMENT RESULT: "agc fin"

202	1/7/	20	21	:3	7
	_				

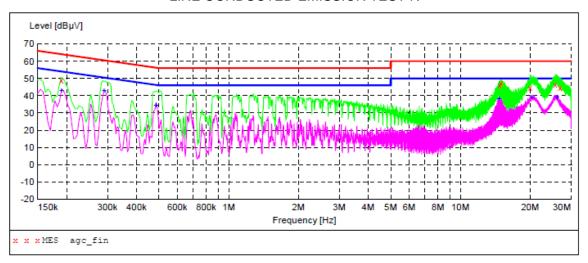
202.	1/1/20 21.	3 /					
1	Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
	0.190000	47.00	6.6	64	17.0	QP	L1
2	20.590000	44.00	8.8	60	16.0	QP	L1
2	21.074000	44.10	8.9	60	15.9	QP	L1
7	25.878000	46.50	9.2	60	13.5	QP	L1
2	26.326000	45.60	9.3	60	14.4	QP	L1
2	26.826000	45.90	9.3	60	14.1	QP	L1

MEASUREMENT RESULT: "agc fin2"

-	 21/		-	_	C 10	0.0
-	, ,	, ,			/	: 37

Freque	ency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154	4000	43.10	6.9	56	12.7	AV	L1
0.194	4000	41.40	6.6	54	12.5	AV	L1
0.294	4000	39.30	6.1	50	11.1	AV	L1
0.490	0000	29.60	5.4	46	16.6	AV	L1
20.358	3000	38.90	8.8	50	11.1	AV	L1
25.710	0000	40.30	9.2	50	9.7	AV	L1





MEASUREMENT RESULT: "agc_fin"

2	021/7/20 21:	55					
	Frequency MHz	Level dBµV			Margin dB	Detector	Line
	0.190000	49.10	6.6	64	14.9	QP	N
	14.798000	46.10	8.3		13.9	QP	N
	14.990000	47.60	8.3	60	12.4	QP	N
	19.978000	44.80	8.8	60	15.2	QP	N
	25.638000	46.40	9.2	60	13.6	QP	N
	26.918000	44.60	9.3	60	15.4	OP	N

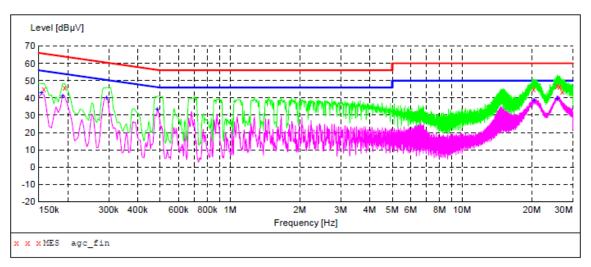
MEASUREMENT RESULT: "agc fin2"

2021/7/20 21	:55					
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.190000	43.20	6.6	54	10.8	AV	N
0.290000	43.40	6.1	51	7.1	AV	N
0.486000	34.70	5.4	46	11.5	AV	N
14.674000	38.30	8.2	50	11.7	AV	N
20.354000	39.60	8.8	50	10.4	AV	N
26.066000	39.20	9.3	50	10.8	AV	N

RESULT: PASS



Power board A at 802.11a20 5260MHz LINE CONDUCTED EMISSION TEST-L



MEASUREMENT RESULT: "agc_fin"

2021/7/20 21:41

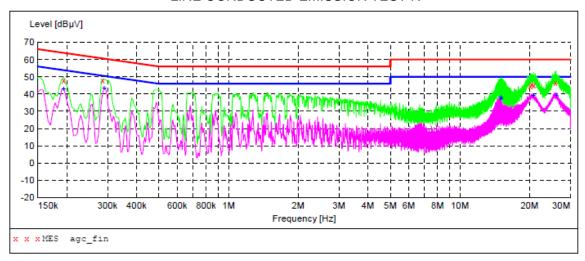
2021/1/20 21:	41					
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.158000	44.90	6.8	66	20.7	QP	L1
0.194000	46.10	6.6	64	17.8	QP	L1
20.294000	45.10	8.8	60	14.9	QP	L1
25.710000	46.90	9.2	60	13.1	QP	L1
26.346000	46.50	9.3	60	13.5	QP	L1
26.990000	43.50	9.3	60	16.5	QP	L1

MEASUREMENT RESULT: "agc_fin2"

2021/7/20 21:41

2021/1/20 21:	41					
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154000	43.20	6.9	56	12.6	AV	L1
0.190000	41.20	6.6	54	12.8	AV	L1
0.294000	40.20	6.1	50	10.2	AV	L1
0.486000	33.50	5.4	46	12.7	AV	L1
20.414000	38.90	8.8	50	11.1	AV	L1
25.686000	40.00	9.2	50	10.0	AV	L1





MEASUREMENT RESULT: "agc_fin"

2	021/7/20 21:	58					
	Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
	0.194000	48.10	6.6	64	15.8	QP	N
	0.286000	47.90	6.1	61	12.7	QP	N
	20.166000	44.80	8.8	60	15.2	QP	N
	20.426000	45.70	8.8	60	14.3	QP	N
	20.886000	45.10	8.9	60	14.9	QP	N
	25.834000	46.60	9.2	60	13.4	QP	N

MEASUREMENT RESULT: "agc fin2"

2021/7/20 21	L:58					
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.194000	43.20	6.6	54	10.7	AV	N
0.290000	43.60	6.1	51	6.9	AV	N
14.990000	38.30	8.3	50	11.7	AV	N
15.054000	37.50	8.3	50	12.5	AV	N
20.730000	39.30	8.9	50	10.7	AV	N
26.026000	39.30	9.3	50	10.7	AV	N

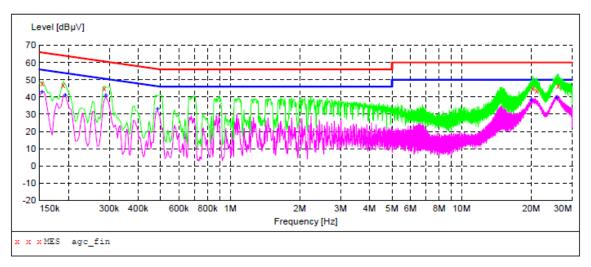
RESULT: PASS

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Power board A at 802.11a20 5300MHz LINE CONDUCTED EMISSION TEST-L



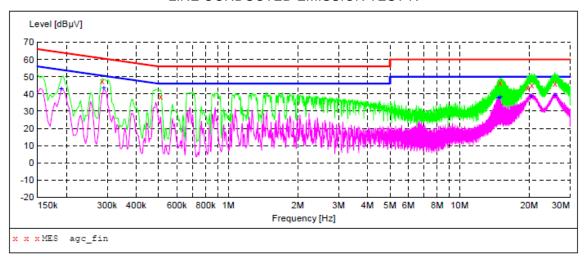
MEASUREMENT RESULT: "agc fin"

2021/7/20 21:	44					
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154000	47.70	6.9	66	18.1	QP	L1
0.190000	46.90	6.6	64	17.1	QP	L1
0.286000	45.20	6.1	61	15.4	QP	L1
20.286000	45.20	8.8	60	14.8	QP	L1
21.094000	43.60	8.9	60	16.4	QP	L1
26.086000	46.50	9.3	60	13.5	QP	L1

MEASUREMENT RESULT: "agc_fin2"

2021/7/20	21:44					
Frequenc M	-	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.15400 0.19400 0.29000 0.48600 19.96600 25.62200	00 41.30 00 41.10 00 33.00 00 38.30	6.9 6.6 6.1 5.4 8.8 9.2	56 54 51 46 50 50	12.8 12.6 9.4 13.2 11.7	AV AV AV	L1 L1 L1 L1 L1





MEASUREMENT RESULT: "agc_fin"

2	021/7/20 22:	01					
	Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
	0.286000	47.60	6.1	61	13.0	QP	N
	0.510000	38.50	5.4	56	17.5	QP	N
	14.990000	46.70	8.3	60	13.3	QP	N
	19.646000	43.70	8.8	60	16.3	QP	N
	20.526000	45.20	8.8	60	14.8	QP	N
	25.806000	46.00	9.2	60	14.0	QP	N

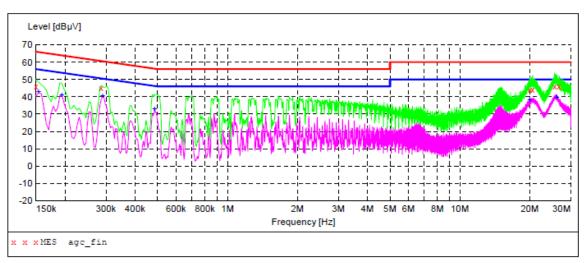
MEASUREMENT RESULT: "agc_fin2"

2021/7/20	22:01					
-	cy Level Hz dBµV		Limit dBµV	Margin dB	Detector	Line
0.1900	00 43.30	6.6	54		AV	N
0.2900	00 43.60	6.1	51	6.9	AV	N
14.7380	00 38.20	8.3	50	11.8	AV	N
14.99000	00 38.40	8.3	50	11.6	AV	N
20.3100	00 38.90	8.8	50	11.1	AV	N
25.80600	00 39.40	9.2	50	10.6	AV	N

RESULT: PASS



Power board A at 802.11a20 5320MHz LINE CONDUCTED EMISSION TEST-L



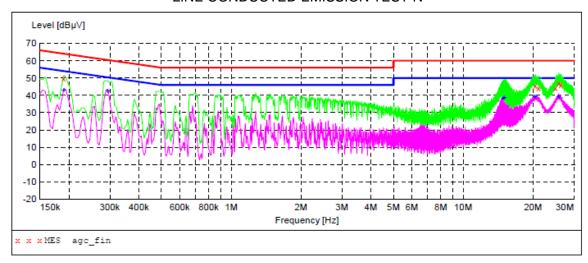
MEASUREMENT RESULT: "agc_fin"

2021/7/20	21:47					
Frequenc Mi	cy Level Hz dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.15000	00 46.00	6.9	66	20.0	QP	L1
0.28600	00 45.00	6.1	61	15.6	QP	L1
20.03800	00 44.20	8.8	60	15.8	QP	L1
20.53000	00 44.10	8.8	60	15.9	QP	L1
25.56200	00 46.20	9.2	60	13.8	QP	L1
26.69800	00 46.20	9.3	60	13.8	QP	L1

MEASUREMENT RESULT: "agc fin2"

2021/7/20 21:	47					
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154000	43.10	6.9	56	12.7	AV	L1
0.194000	41.40	6.6	54	12.5	AV	L1
0.290000	41.00	6.1	51	9.5	AV	L1
0.486000	33.30	5.4	46	12.9	AV	L1
19.966000	38.30	8.8	50	11.7	AV	L1
26.090000	39.90	9.3	50	10.1	AV	L1





MEASUREMENT RESULT: "agc_fin"

2021/7/20 22:03

-	121/1/20 22.	03					
	Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
	0.190000	50.00	6.6	64	14.0	QP	N
	20.402000	45.50	8.8	60	14.5	QP	N
	21.094000	44.30	8.9	60	15.7	QP	N
	24.974000	44.10	9.2	60	15.9	QP	N
	25.766000	46.80	9.2	60	13.2	QP	N
	26.342000	45.90	9.3	60	14.1	QP	N

MEASUREMENT RESULT: "agc_fin2"

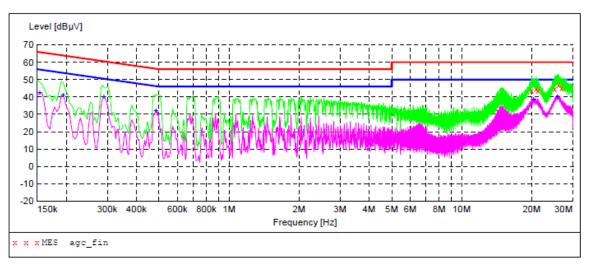
2021/7/20 22:03

_	721/1/20 22.	0.0					
	Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
	0.190000	43.20	6.6	54	10.8	AV	N
	0.294000	42.70	6.1	50	7.7	AV	N
	14.862000	38.50	8.3	50	11.5	AV	N
	14.990000	38.70	8.3	50	11.3	AV	N
	20.350000	39.50	8.8	50	10.5	AV	N
	25.710000	39.50	9.2	50	10.5	AV	N

RESULT: PASS



Power board A at 802.11a20 5500MHz LINE CONDUCTED EMISSION TEST-L



MEASUREMENT RESULT: "agc_fin"

2021/7/20 21:49

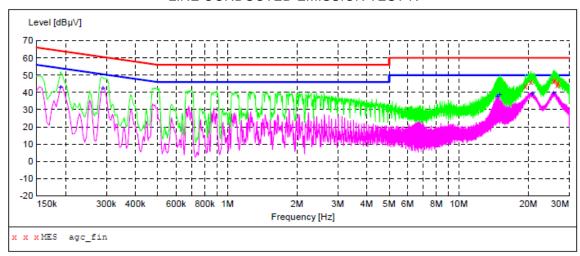
021/1/20 21.	10					
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
19.986000	43.60	8.8	60	16.4	QP	L1
20.870000	44.80	8.9	60	15.2	QP	L1
21.238000	43.60	8.9	60	16.4	QP	L1
25.102000	44.70	9.2	60	15.3	QP	L1
26.026000	47.00	9.3	60	13.0	QP	L1
26.858000	45.10	9.3	60	14.9	QP	ь1

MEASUREMENT RESULT: "agc_fin2"

2021/7/20 21:49

2021/1/20 21:	49					
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154000	42.90	6.9	56	12.9	AV	L1
0.194000	41.20	6.6	54	12.7	AV	L1
0.290000	40.30	6.1	51	10.2	AV	L1
0.486000	32.30	5.4	46	13.9	AV	L1
20.350000	39.00	8.8	50	11.0	AV	L1
25.770000	40.10	9.2	50	9.9	AV	L1





MEASUREMENT RESULT: "agc_fin"

2021/7/20 22:06

_	21/1/20 22.	0.0					
	Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
	19.390000	43.70	8.7	60	16.3	QP	N
	20.478000	45.90	8.8	60	14.1	QP	N
	25.706000	46.30	9.2	60	13.7	QP	N
	25.962000	47.00	9.2	60	13.0	QP	N
	26.622000	44.20	9.3	60	15.8	QP	N
	26.854000	45.40	9.3	60	14.6	QP	N

MEASUREMENT RESULT: "agc fin2"

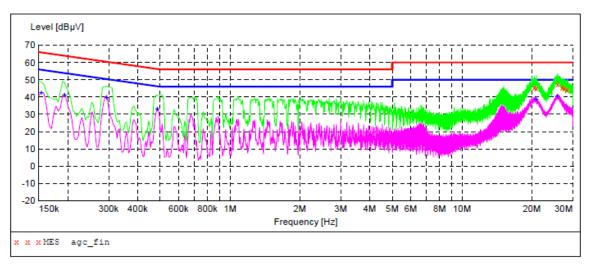
2021/7/20 22:06

_	, , ,						
	Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
	0.190000	43.30	6.6	54	10.7	AV	N
	0.290000	42.70	6.1	51	7.8	AV	N
	14.670000	37.80	8.2	50	12.2	AV	N
	14.990000	38.90	8.3	50	11.1	AV	N
	20.794000	39.20	8.9	50	10.8	AV	N
	25.642000	39.70	9.2	50	10.3	AV	N

RESULT: PASS



Power board A at 802.11a20 5600MHz LINE CONDUCTED EMISSION TEST-L



MEASUREMENT RESULT: "agc fin"

2021/7/20 22:29

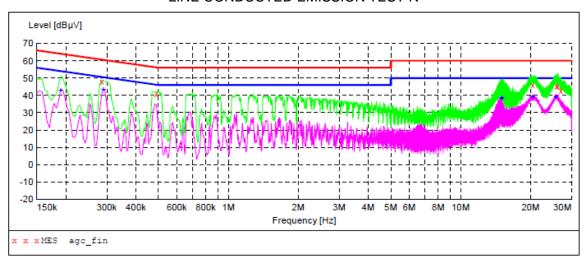
202	21/1/20 22:	49					
	Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
	20.470000	45.50	8.8	60	14.5	QP	L1
	20.858000	45.10	8.9	60	14.9	QP	L1
	25.766000	47.30	9.2	60	12.7	QP	L1
	26.978000	45.60	9.3	60	14.4	QP	L1
	27.554000	44.90	9.4	60	15.1	QP	L1
	28.378000	44.30	9.5	60	15.7	QP	L1

MEASUREMENT RESULT: "agc fin2"

2021/7/20 22:29

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154000 0.194000 0.294000 0.486000 20.858000 25.766000	42.90 41.30 39.90 33.30 39.10 40.80	6.9 6.6 6.1 5.4 8.9 9.2	56 54 50 46 50	12.9 12.6 10.5 12.9 10.9 9.2	AV AV AV	L1 L1 L1 L1 L1





MEASUREMENT RESULT: "agc_fin"

2021/7/20 22:11									
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line			
0.286000	47.90	6.1	61	12.7	QP	N			
0.490000	40.70	5.4	56	15.5	QP	N			
20.410000	46.00	8.8	60	14.0	QP	N			
25.878000	45.70	9.2	60	14.3	QP	N			
26.158000	44.90	9.3	60	15.1	QP	N			
26.962000	42.50	9.3	60	17.5	QP	N			

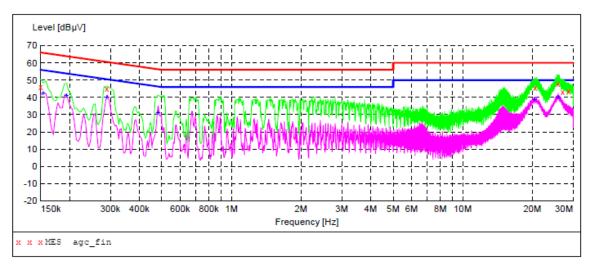
MEASUREMENT RESULT: "agc_fin2"

20	21/7/20 22:	11					
	Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
	0.190000	43.30	6.6	54	10.7	AV	N
	0.290000	43.60	6.1	51	6.9	AV	N
	14.990000	38.90	8.3	50	11.1	AV	N
	15.054000	38.30	8.3	50	11.7	AV	N
	20.418000	39.20	8.8	50	10.8	AV	N
	25.642000	39.60	9.2	50	10.4	AV	N

RESULT: PASS



Power board A at 802.11a20 5700MHz LINE CONDUCTED EMISSION TEST-L



MEASUREMENT RESULT: "agc_fin"

2021/7/20 22:33

2021/1/20	22.	33					
Freque:	ncy MHz	Level dBµV	Transd dB		Margin dB	Detector	Line
0.150	000	45.80	6.9	66	20.2	QP	L1
0.290	000	45.20	6.1	61	15.3	QP	L1
20.514	000	45.40	8.8	60	14.6	QP	L1
25.742	000	47.80	9.2	60	12.2	QP	L1
26.986	000	43.00	9.3	60	17.0	QP	L1
28.654	000	43.60	9.5	60	16.4	QP	L1

MEASUREMENT RESULT: "agc fin2"

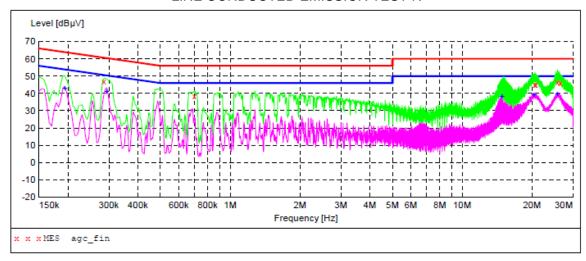
2021/7/20 22:33

4	121/1/20 22:	33					
	Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
	0.154000	42.90	6.9	56	12.9	AV	L1
	0.194000	41.30	6.6	54	12.6	AV	L1
	0.290000	40.20	6.1	51	10.3	AV	L1
	0.482000	31.20	5.4	46	15.1	AV	L1
	20.342000	39.00	8.8	50	11.0	AV	L1
	25.830000	40.30	9.2	50	9.7	AV	L1

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MEASUREMENT RESULT: "agc_fin"

2021/7/20 22:	14					
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.286000	47.10	6.1	61	13.5	QP	N
0.702000	38.40	5.4	56	17.6	QP	N
20.538000	45.30	8.8	60	14.7	QP	N
20.766000	45.30	8.9	60	14.7	QP	N
25.702000	46.60	9.2	60	13.4	QP	N
26.466000	45.80	9.3	60	14.2	QP	N

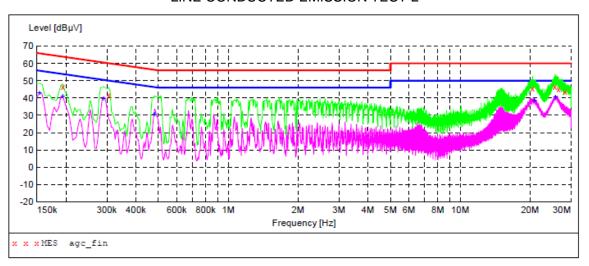
MEASUREMENT RESULT: "agc_fin2"

2021/7/20	22:14					
-	cy Level Hz dBµV		Limit dBµV	Margin dB	Detector	Line
0.1940	00 43.20	6.6	54	10.7	AV	N
0.2940	00 41.40	6.1	50	9.0	AV	N
14.7980	00 38.60	8.3	50	11.4	AV	N
14.8620	00 38.50	8.3	50	11.5	AV	N
20.3580	00 39.40	8.8	50	10.6	AV	N
25.7020	00 39.80	9.2	50	10.2	AV	N

RESULT: PASS



Power board A at 802.11a20 5745MHz LINE CONDUCTED EMISSION TEST-L



MEASUREMENT RESULT: "agc_fin"

20	021/7/20 22:	36					
	Frequency MHz	Level dBµV		Limit dBµV	Margin dB	Detector	Line
	0.194000	46.60	6.6	64	17.3	QP	L1
	0.306000	42.00	6.0	60	18.1	QP	L1
	20.502000	45.50	8.8	60	14.5	QP	L1
	25.578000	46.50	9.2	60	13.5	QP	L1

60

60

14.8

QP

QP

9.3

9.4

MEASUREMENT RESULT: "agc fin2"

45.20

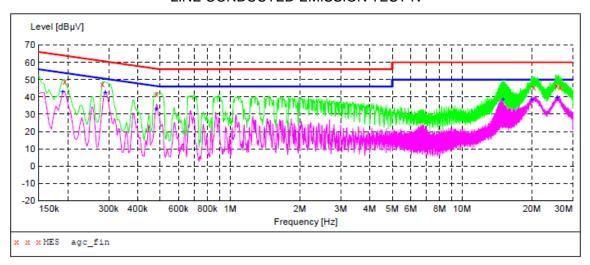
43.60

26.470000

28.250000

2021/7/20 22:	36					
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154000 0.194000 0.290000 0.482000 20.854000 25.638000	43.20 41.30 40.00 30.80 39.10 40.70	6.9 6.6 6.1 5.4 8.9 9.2	56 54 51 46 50 50		AV AV AV	L1 L1 L1 L1 L1





MEASUREMENT RESULT: "agc_fin"

2021/7/20 22:17									
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line			
0.194000	48.90	6.6	64	15.0	QP	N			
0.282000	47.40	6.1	61	13.4	QP	N			
0.482000	41.80	5.4	56	14.5	QP	N			
20.338000	45.50	8.8	60	14.5	QP	N			
25.578000	46.30	9.2	60	13.7	QP	N			
26.470000	45.60	9.3	60	14.4	QP	N			

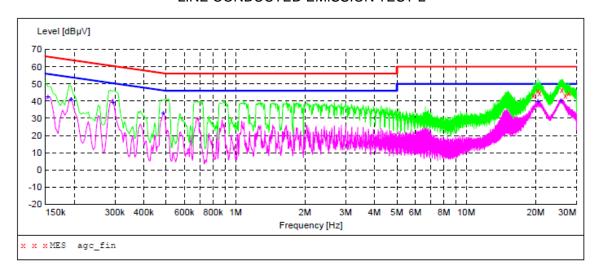
MEASUREMENT RESULT: "agc_fin2"

Line
N
N
N
N
N
N

RESULT: PASS



Power board A at 802.11a20 5785MHz LINE CONDUCTED EMISSION TEST-L



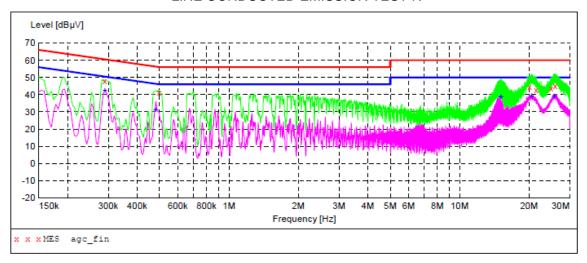
MEASUREMENT RESULT: "agc_fin"

2	021/7/20 22:	39					
	Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
	19.574000	43.10	8.8	60	16.9	QP	L1
	20.410000	46.00	8.8	60	14.0	QP	L1
	20.762000	44.70	8.9	60	15.3	QP	L1
	25.934000	46.60	9.2	60	13.4	QP	L1
	26.858000	43.30	9.3	60	16.7	QP	L1
	27.826000	44.50	9.4	60	15.5	QP	L1

MEASUREMENT RESULT: "agc_fin2"

2021/7/20	22:39						
-	-	evel Tra dBµV		nit Mar BµV	gin I dB	Detector	Line
0.1540	00 42	2.80	6.9	56 1	3.0 1	AV	L1
0.1940	00 41	L.40			2.5	VA	L1
0.2940	00 39	9.50	6.1	50 1	0.9	ΑV	L1
0.4860	00 33	3.10	5.4	46 1	3.1 2	VA	L1
20.4100	00 39	9.80	8.8	50 1	0.2	AV	L1
25.7620	00 40	.40	9.2	50	9.6	AV	L1





MEASUREMENT RESULT: "agc_fin"

2021/7/20 22:20

_	021///20 22.						
	Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
	0.290000	47.80	6.1	61	12.7	QP	N
	0.498000	41.50	5.4	56	14.5	QP	N
	20.098000	44.80	8.8	60	15.2	QP	N
	21.434000	42.70	8.9	60	17.3	QP	N
	24.874000	43.60	9.2	60	16.4	QP	N
	25.910000	45.30	9.2	60	14.7	QP	N

MEASUREMENT RESULT: "agc_fin2"

2021/7/20 22:20

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.290000	42.60	6.1	51	7.9	AV	N
0.482000	31.50	5.4	46	14.8	AV	N
14.990000	39.00	8.3	50	11.0	AV	N
15.118000	38.70	8.3	50	11.3	AV	N
20.474000	39.20	8.8	50	10.8	AV	N
25.638000	39.50	9.2	50	10.5	AV	N

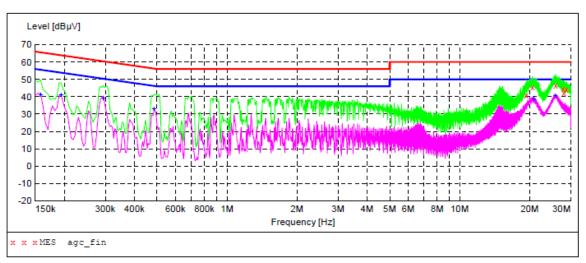
RESULT: PASS

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Power board A at 802.11a20 5825MHz LINE CONDUCTED EMISSION TEST-L



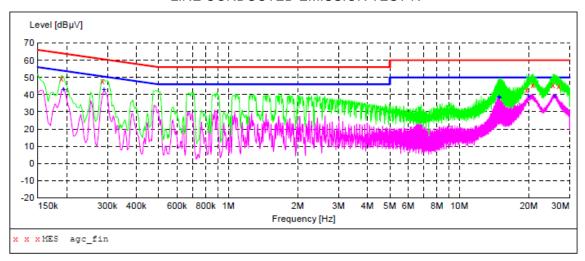
MEASUREMENT RESULT: "agc_fin"

2	021/7/20 22:	46					
	Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
	19.350000	41.00	8.7	60	19.0	QP	L1
	20.514000	45.40	8.8	60	14.6	QP	L1
	25.850000	46.50	9.2	60	13.5	QP	L1
	27.782000	44.70	9.4	60	15.3	QP	L1
	28.022000	42.40	9.4	60	17.6	QP	L1
	28.758000	44.30	9.5	60	15.7	QP	L1

MEASUREMENT RESULT: "agc fin2"

20	021/7/20 22:	46					
	Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
	0.158000	41.50	6.8	56	14.1	AV	L1
	0.194000	41.30	6.6	54	12.6	AV	L1
	0.294000	39.60	6.1	50	10.8	AV	L1
	0.486000	33.20	5.4	46	13.0	AV	L1
	20.854000	39.10	8.9	50	10.9	AV	L1
	25.762000	40.60	9.2	50	9.4	AV	L1





MEASUREMENT RESULT: "agc fin"

2	021/7/20 22:	24					
	Frequency MHz	Level dBµV			Margin dB	Detector	Line
	0.190000	49.40	6.6	64	14.6	QP	N
	0.286000	47.70	6.1		12.9	QP	N
	19.542000	42.80	8.8	60	17.2	QP	N
	20.802000	45.40	8.9	60	14.6	QP	N
	25.418000	45.60	9.2	60	14.4	QP	N
	26.914000	44.90	9.3	60	15.1	OP	N

MEASUREMENT RESULT: "agc_fin2"

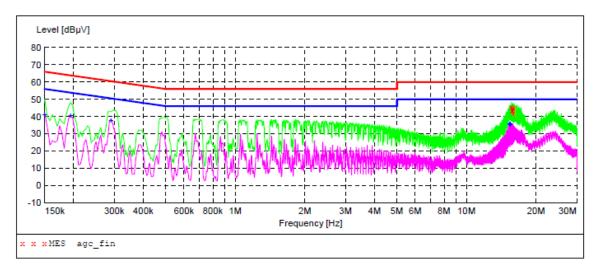
-	22:24 cy Level Hz dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.1940	00 43.20	6.6	54	10.7	AV	N
0.2900	00 43.20	6.1	51	7.3	AV	N
14.8620	00 38.70	8.3	50	11.3	AV	N
14.9260	00 38.30	8.3	50	11.7	AV	N
19.9660	00 39.20	8.8	50	10.8	AV	N
25.8100	00 39.50	9.2	50	10.5	AV	N

RESULT: PASS

Note: All the antennas have been pre-tested, and all modes of each antenna are tested. The antenna 1 of 802.11a20 mode is the worst case and is recorded in the test report.



Power board B at 802.11a20 5240MHz LINE CONDUCTED EMISSION TEST-L



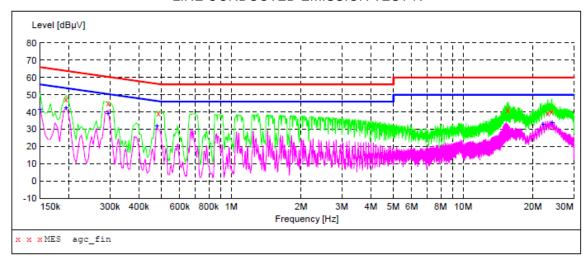
MEASUREMENT RESULT: "agc_fin"

2022/3/9 17:00 Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line
15.658000 15.722000 15.790000 15.858000	45.40 43.70 45.10 43.40	8.4 8.4 8.4	60 60 60	14.9 16.6	QP QP QP	L1 L1 L1
15.922000 15.986000	41.80 44.90	8.4 8.4	60 60	18.2 15.1	QP QP	L1 L1

MEASUREMENT RESULT: "agc fin2"

2022/3/9 Frequen			Transd dB	Limit dBµV	Margin dB	Detector	Line
0.1500 0.1940	00	41.40 40.70	6.9 6.6	56 54		AV	L1 L1
0.2900 15.3380		37.80 35.70	6.1 8.4	51 50	12.7 14.3		L1 L1
15.4020 15.4660		35.50 35.70	8.4 8.4	50 50	14.5 14.3		L1 L1





MEASUREMENT RESULT: "agc_fin"

2022/3/9 16:57 Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line
0.194000	47.20	6.6	64	16.7	QP	N
0.294000	45.10	6.1	60	15.3		N
0.486000	39.30	5.4	56	16.9		N
15.594000	41.40	8.4	60	18.6	QP	N
23.170000	39.30	9.0	60	20.7	QP	N
24.086000	40.10	9.1	60	19.9	QP	N

MEASUREMENT RESULT: "agc fin2"

2022/3/9 16:5 Frequency MHz		Transd dB		Margin dB	Detector	Line
0.150000	41.50	6.9	56	14.5	AV	N
0.194000	42.50	6.6	54	11.4	AV	N
0.294000	39.30	6.1	50	11.1	AV	N
0.478000	32.10	5.5	46	14.3	AV	N
22.074000	33.10	9.0	50	16.9	AV	N
24.198000	33.90	9.1	50	16.1	AV	N

RESULT: PASS

Note: All the antennas have been pre-tested, and all modes of each antenna are tested. The antenna 1 of 802.11a20 at 5240MHz mode is the worst case and is recorded in the test report.



APPENDIX A: PHOTOGRAPHS OF TEST SETUP

Refer to the Report No.: AGC00210210705AP02

APPENDIX B: PHOTOGRAPHS OF EUT

Refer to the Report No.: AGC00210210705AP04

----END OF REPORT----



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