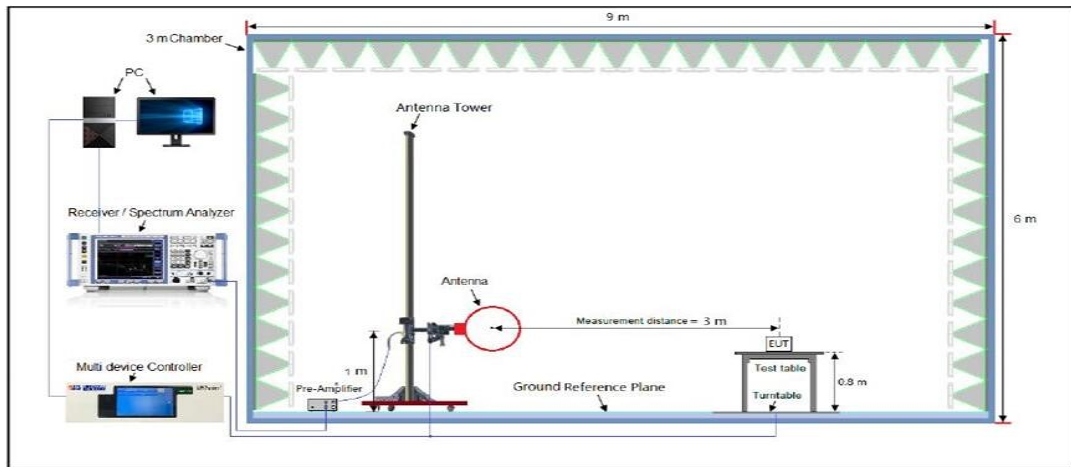
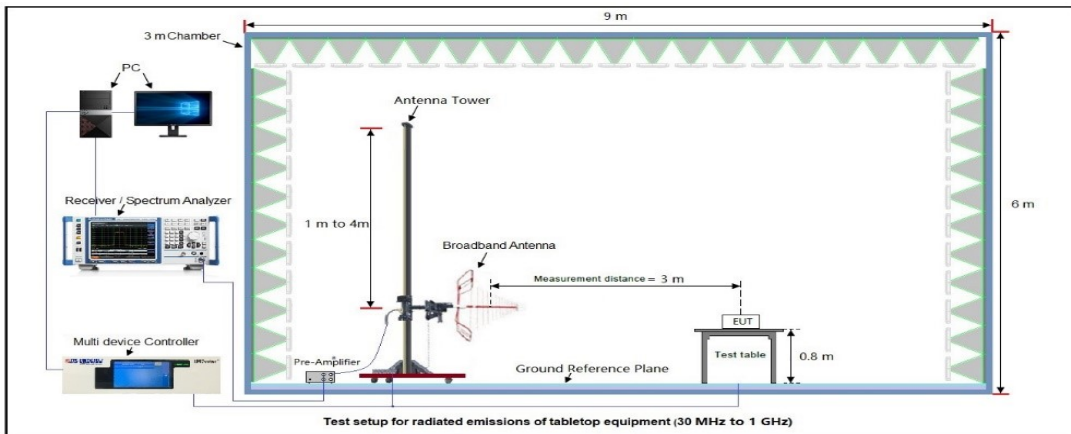


11.3 Measurement Setup (Block Diagram of Configuration)

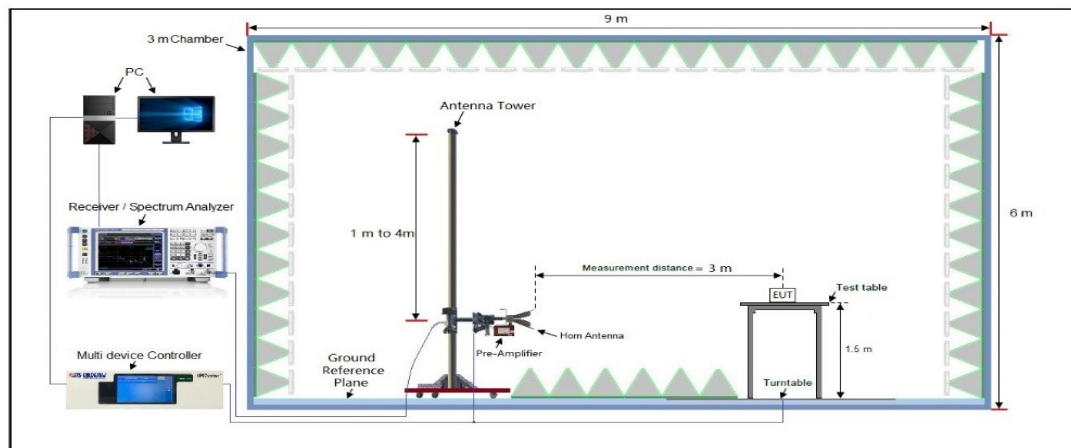
Radiated Emission Test Setup 9kHz-30MHz



Radiated Emission Test Setup 30MHz-1000MHz



Radiated Emission Test Setup Above 1000MHz



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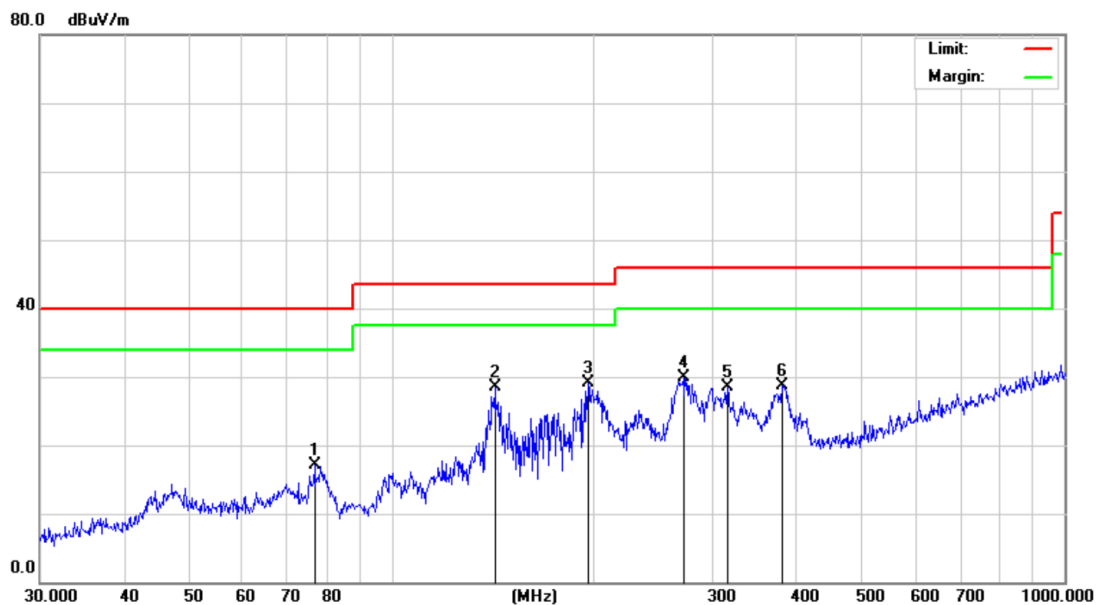
11.4 Measurement Result

Radiated Emission at 9kHz-30MHz

The amplitude of spurious emissions from 9kHz to 30MHz which are attenuated more than 20 dB below the permissible value need not be reported.

Radiated Emission Test Results at 30MHz-1GHz

EUT Name	Smart Diagnostic System	Model Name	F530
Temperature	20.6°C	Relative Humidity	51.1%
Pressure	960hPa	Test Voltage	DC 3.6V by battery
Test Mode	Mode 7	Antenna Polarity	Horizontal
Battery Model 1	XBL18650-3150		

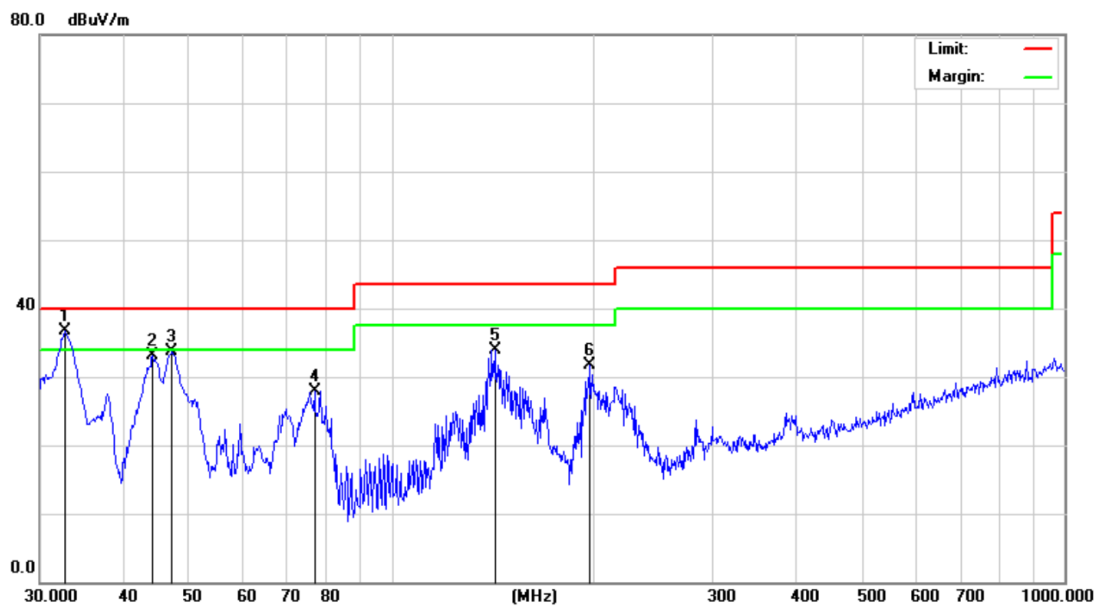


Final Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	76.7808	17.06	-25.93	40.00	22.94	100	74	Horizontal
2	142.3243	28.49	-20.94	43.50	15.01	100	112	Horizontal
3	195.8220	29.01	-23.24	43.50	14.49	100	136	Horizontal
4	271.3246	29.94	-20.28	46.00	16.06	100	205	Horizontal
5	315.4808	28.44	-19.11	46.00	17.56	100	109	Horizontal
6	379.9141	28.62	-17.68	46.00	17.38	100	123	Horizontal

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Radiated Emission Test Results at 30MHz-1GHz			
EUT Name	Smart Diagnostic System	Model Name	F530
Temperature	20.6°C	Relative Humidity	51.1%
Pressure	960hPa	Test Voltage	DC 3.6V by battery
Test Mode	Mode 7	Antenna Polarity	Vertical
Battery Model 1	XBL18650-3150		



Final Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	32.7486	36.65	-23.23	40.00	3.35	100	180	Vertical
2	44.1202	33.03	-21.49	40.00	6.97	100	120	Vertical
3	47.1599	33.68	-21.35	40.00	6.32	100	214	Vertical
4	76.7808	27.84	-24.45	40.00	12.16	100	52	Vertical
5	142.3243	34.00	-20.01	43.50	9.5	100	116	Vertical
6	197.2001	31.69	-22.37	43.50	11.81	100	123	Vertical

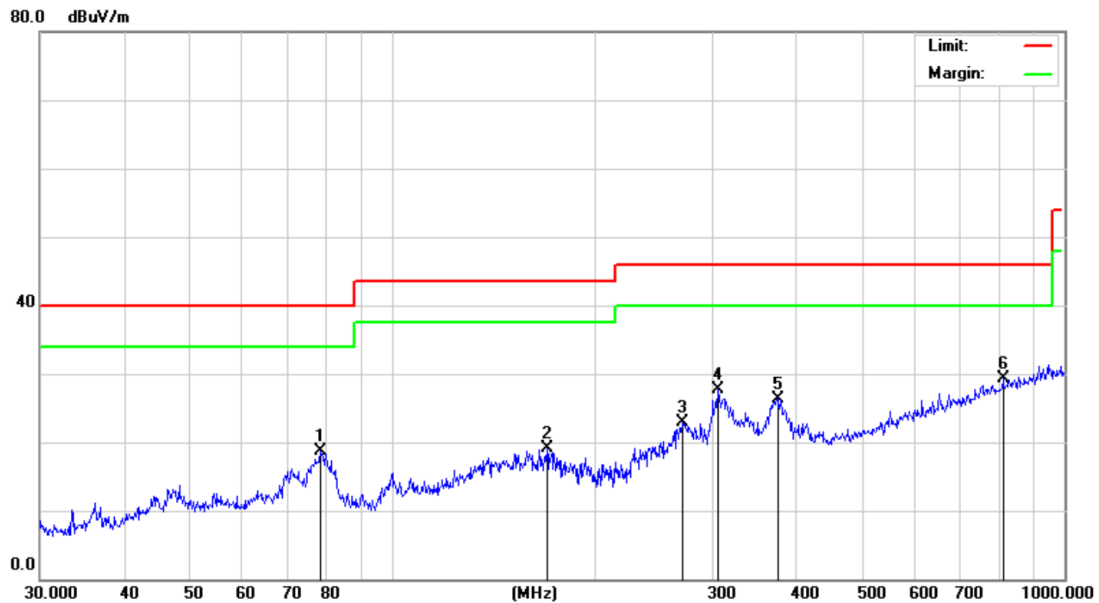
RESULT: Pass

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Radiated Emission Test Results at 30MHz-1GHz

EUT Name	Smart Diagnostic System	Model Name	F530
Temperature	20.6°C	Relative Humidity	51.1%
Pressure	960hPa	Test Voltage	DC 3.6V by battery
Test Mode	Mode 7	Antenna Polarity	Horizontal
Battery Model 2	01DQ0180-03		



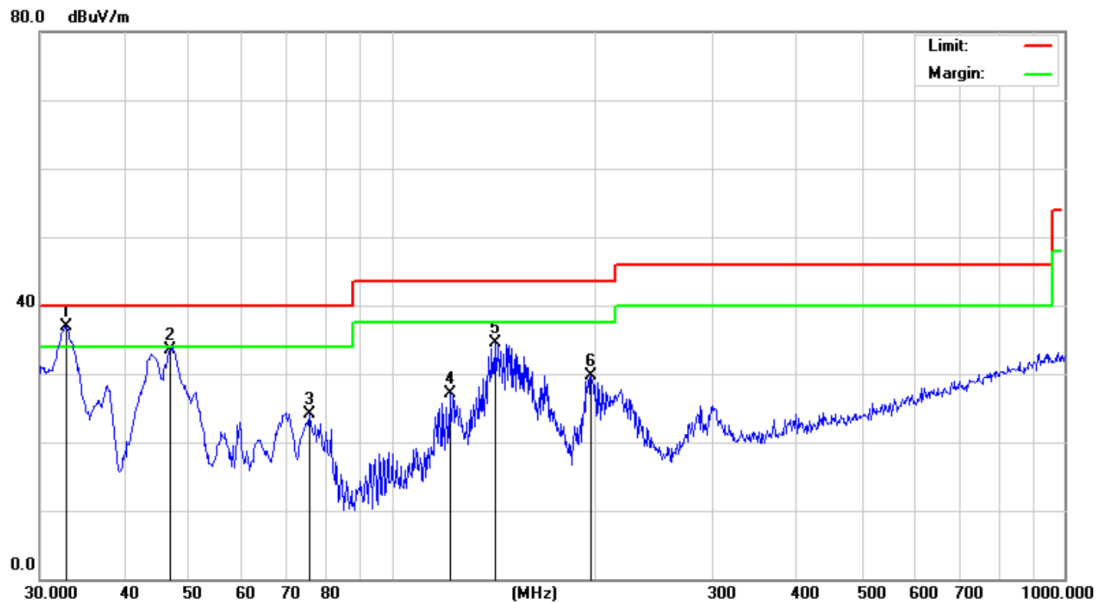
Final Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	78.4133	18.64	-26.27	40.00	21.36	100	104	Horizontal
2	170.1948	19.10	-21.28	43.50	24.4	100	123	Horizontal
3	270.3748	22.88	-20.31	46.00	23.12	100	215	Horizontal
4	305.6800	27.64	-19.45	46.00	18.36	100	116	Horizontal
5	374.6225	26.29	-17.82	46.00	19.71	100	96	Horizontal
6	810.2654	29.21	-9.66	46.00	16.79	100	145	Horizontal

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Radiated Emission Test Results at 30MHz-1GHz

EUT Name	Smart Diagnostic System	Model Name	F530
Temperature	20.6°C	Relative Humidity	51.1%
Pressure	960hPa	Test Voltage	DC 3.6V by battery
Test Mode	Mode 7	Antenna Polarity	Vertical
Battery Model 2	01DQ0180-03		



Final Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	32.8637	36.85	-23.23	40.00	3.15	100	69	Vertical
2	46.8303	33.54	-21.38	40.00	6.46	100	214	Vertical
3	75.4464	24.20	-24.12	40.00	15.8	100	108	Vertical
4	121.9755	27.03	-22.54	43.50	16.47	100	58	Vertical
5	142.3243	34.55	-20.01	43.50	8.95	100	147	Vertical
6	197.8928	29.71	-22.35	43.50	13.79	100	126	Vertical

RESULT: Pass

Note: 1. Factor=Antenna Factor + Cable loss– Pre-amplifier., Margin= Limit-Level.

2. All test modes had been pre-tested. The mode 7 is the worst case and recorded in the report.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the “Dedicated Testing/Inspection Stamp” 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. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

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Radiated Emissions Test Results above 1 GHz

EUT Name	Smart Diagnostic System	Model Name	F530
Temperature	20.6°C	Relative Humidity	51.1%
Pressure	960hPa	Test Voltage	DC 3.6V by battery
Test Mode	Mode 7	Antenna Polarity	Horizontal
Battery Model 1	XBL18650-3150		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4824.000	45.32	0.08	45.4	74	-28.6	peak
4824.000	36.85	0.08	36.93	54	-17.07	AVG
7236.000	42.17	2.21	44.38	74	-29.62	peak
7236.000	33.29	2.21	35.5	54	-18.5	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	Smart Diagnostic System	Model Name	F530
Temperature	20.6°C	Relative Humidity	51.1%
Pressure	960hPa	Test Voltage	DC 3.6V by battery
Test Mode	Mode 7	Antenna Polarity	Vertical
Battery Model 1	XBL18650-3150		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4824.000	46.27	0.08	46.35	74	-27.65	peak
4824.000	37.45	0.08	37.53	54	-16.47	AVG
7236.000	43.31	2.21	45.52	74	-28.48	peak
7236.000	32.65	2.21	34.86	54	-19.14	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

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Radiated Emissions Test Results above 1GHz

EUT Name	Smart Diagnostic System	Model Name	F530
Temperature	20.6°C	Relative Humidity	51.1%
Pressure	960hPa	Test Voltage	DC 3.6V by battery
Test Mode	Mode 8	Antenna Polarity	Horizontal
Battery Model 1	XBL18650-3150		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4874.000	45.65	0.14	45.79	74	-28.21	peak
4874.000	37.49	0.14	37.63	54	-16.37	AVG
7311.000	42.54	2.36	44.9	74	-29.1	peak
7311.000	33.32	2.36	35.68	54	-18.32	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	Smart Diagnostic System	Model Name	F530
Temperature	20.6°C	Relative Humidity	51.1%
Pressure	960hPa	Test Voltage	DC 3.6V by battery
Test Mode	Mode 8	Antenna Polarity	Vertical
Battery Model 1	XBL18650-3150		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4874.000	46.85	0.14	46.99	74	-27.01	peak
4874.000	36.39	0.14	36.53	54	-17.47	AVG
7311.000	42.14	2.36	44.5	74	-29.5	peak
7311.000	33.27	2.36	35.63	54	-18.37	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

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Radiated Emissions Test Results above 1GHz

EUT Name	Smart Diagnostic System	Model Name	F530
Temperature	20.6°C	Relative Humidity	51.1%
Pressure	960hPa	Test Voltage	DC 3.6V by battery
Test Mode	Mode 9	Antenna Polarity	Horizontal
Battery Model 1	XBL18650-3150		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4924.000	47.87	0.22	48.09	74	-25.91	peak
4924.000	37.54	0.22	37.76	54	-16.24	AVG
7386.000	42.46	2.64	45.1	74	-28.9	peak
7386.000	33.38	2.64	36.02	54	-17.98	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	Smart Diagnostic System	Model Name	F530
Temperature	20.6°C	Relative Humidity	51.1%
Pressure	960hPa	Test Voltage	DC 3.6V by battery
Test Mode	Mode 9	Antenna Polarity	Vertical
Battery Model 1	XBL18650-3150		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4924.000	46.95	0.22	47.17	74	-26.83	peak
4924.000	36.84	0.22	37.06	54	-16.94	AVG
7386.000	43.31	2.64	45.95	74	-28.05	peak
7386.000	32.57	2.64	35.21	54	-18.79	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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Radiated Emissions Test Results above 1 GHz

EUT Name	Smart Diagnostic System	Model Name	F530
Temperature	20.6°C	Relative Humidity	51.1%
Pressure	960hPa	Test Voltage	DC 3.6V by battery
Test Mode	Mode 7	Antenna Polarity	Horizontal
Battery Model 2	01DQ0180-03		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4824.000	45.27	0.08	45.35	74	-28.65	peak
4824.000	36.69	0.08	36.77	54	-17.23	AVG
7236.000	42.12	2.21	44.33	74	-29.67	peak
7236.000	33.14	2.21	35.35	54	-18.65	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	Smart Diagnostic System	Model Name	F530
Temperature	20.6°C	Relative Humidity	51.1%
Pressure	960hPa	Test Voltage	DC 3.6V by battery
Test Mode	Mode 7	Antenna Polarity	Vertical
Battery Model 2	01DQ0180-03		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4824.000	46.29	0.08	46.37	74	-27.63	peak
4824.000	37.36	0.08	37.44	54	-16.56	AVG
7236.000	43.17	2.21	45.38	74	-28.62	peak
7236.000	32.45	2.21	34.66	54	-19.34	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

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Radiated Emissions Test Results above 1GHz

EUT Name	Smart Diagnostic System	Model Name	F530
Temperature	20.6°C	Relative Humidity	51.1%
Pressure	960hPa	Test Voltage	DC 3.6V by battery
Test Mode	Mode 8	Antenna Polarity	Horizontal
Battery Model 2	01DQ0180-03		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4874.000	45.53	0.14	45.67	74	-28.33	peak
4874.000	37.29	0.14	37.43	54	-16.57	AVG
7311.000	42.44	2.36	44.8	74	-29.2	peak
7311.000	33.18	2.36	35.54	54	-18.46	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	Smart Diagnostic System	Model Name	F530
Temperature	20.6°C	Relative Humidity	51.1%
Pressure	960hPa	Test Voltage	DC 3.6V by battery
Test Mode	Mode 8	Antenna Polarity	Vertical
Battery Model 2	01DQ0180-03		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4874.000	46.24	0.14	46.38	74	-27.62	peak
4874.000	36.28	0.14	36.42	54	-17.58	AVG
7311.000	42.07	2.36	44.43	74	-29.57	peak
7311.000	33.16	2.36	35.52	54	-18.48	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

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Radiated Emissions Test Results above 1GHz

EUT Name	Smart Diagnostic System	Model Name	F530
Temperature	20.6°C	Relative Humidity	51.1%
Pressure	960hPa	Test Voltage	DC 3.6V by battery
Test Mode	Mode 9	Antenna Polarity	Horizontal
Battery Model 2	01DQ0180-03		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4924.000	47.79	0.22	48.01	74	-25.99	peak
4924.000	37.45	0.22	37.67	54	-16.33	AVG
7386.000	42.32	2.64	44.96	74	-29.04	peak
7386.000	33.21	2.64	35.85	54	-18.15	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	Smart Diagnostic System	Model Name	F530
Temperature	20.6°C	Relative Humidity	51.1%
Pressure	960hPa	Test Voltage	DC 3.6V by battery
Test Mode	Mode 9	Antenna Polarity	Vertical
Battery Model 2	01DQ0180-03		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4924.000	46.86	0.22	47.08	74	-26.92	peak
4924.000	36.74	0.22	36.96	54	-17.04	AVG
7386.000	43.23	2.64	45.87	74	-28.13	peak
7386.000	32.45	2.64	35.09	54	-18.91	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

Note:

- The amplitude of other spurious emissions from 1G to 25 GHz which are attenuated more than 20 dB below the permissible value need not be reported.
- Factor = Antenna Factor + Cable loss – Pre-amplifier gain, Margin = Emission Level - Limit.
- The "Factor" value can be calculated automatically by software of measurement system.
- All test modes had been pre-tested. The 802.11n20 is the worst case and recorded in the report.

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Band Edge Emission Test Results for Restricted Bands

EUT Name	Smart Diagnostic System	Model Name	F530
Temperature	24.4°C	Relative Humidity	40.0%
Pressure	960hPa	Test Voltage	DC 3.6V by battery

802.11b_TX CH01_2412 MHz										
Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2390.00	45.14	29.99	30.21	8.35	53.267	74	-20.73	Peak	Horizontal
2	2390.00	36.08	29.99	30.21	8.35	44.211	54	-9.79	AV	Horizontal
3	2390.00	41.52	29.99	30.21	8.35	49.646	74	-24.35	Peak	Vertical
4	2390.00	33.25	29.99	30.21	8.35	41.375	54	-12.63	AV	Vertical
802.11b_TX CH11_2462 MHz										
Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2483.50	41.81	30.25	30.25	8.5	50.312	74	-23.69	Peak	Horizontal
2	2483.50	33.96	30.25	30.25	8.5	42.464	54	-11.54	AV	Horizontal
3	2483.50	40.04	30.25	30.25	8.5	48.536	74	-25.46	Peak	Vertical
4	2483.50	32.05	30.25	30.25	8.5	40.553	54	-13.45	AV	Vertical

802.11g_TX CH01_2412 MHz										
Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2390.00	52.69	29.99	30.21	8.35	60.818	74	-13.18	Peak	Horizontal
2	2390.00	39.21	29.99	30.21	8.35	47.337	54	-6.66	AV	Horizontal
3	2390.00	49.33	29.99	30.21	8.35	57.46	74	-16.54	Peak	Vertical
4	2390.00	34.20	29.99	30.21	8.35	42.326	54	-11.67	AV	Vertical
802.11g_TX CH11_2462 MHz										
Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2483.50	55.84	30.25	30.25	8.5	64.34	74	-9.66	Peak	Horizontal
2	2483.50	38.05	30.25	30.25	8.5	46.547	54	-7.45	AV	Horizontal
3	2483.50	53.57	30.25	30.25	8.5	62.072	74	-11.93	Peak	Horizontal
4	2483.50	35.75	30.25	30.25	8.5	44.252	54	-9.75	AV	Vertical

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802.11n-HT20_TX CH01_2412 MHz										
Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2390.00	54.42	29.99	30.21	8.35	62.553	74	-11.45	Peak	Horizontal
2	2390.00	39.11	29.99	30.21	8.35	47.238	54	-6.76	AV	Horizontal
3	2390.00	53.75	29.99	30.21	8.35	61.876	74	-12.12	Peak	Vertical
4	2390.00	37.73	29.99	30.21	8.35	45.861	54	-8.14	AV	Vertical

802.11n-HT20_TX CH11_2462 MHz										
Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2483.50	59.01	30.25	30.25	8.5	67.51	74	-6.49	Peak	Horizontal
2	2483.50	38.05	30.25	30.25	8.5	46.552	54	-7.45	AV	Horizontal
3	2483.50	57.55	30.25	30.25	8.5	66.046	74	-7.95	Peak	Vertical
4	2483.50	37.36	30.25	30.25	8.5	45.856	54	-8.14	AV	Vertical

802.11n-HT40_TX CH03_2422 MHz										
Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2390.00	57.65	29.99	30.21	8.35	65.781	74	-8.22	Peak	Horizontal
2	2390.00	37.97	29.99	30.21	8.35	46.103	54	-7.90	AV	Horizontal
3	2390.00	53.55	29.99	30.21	8.35	61.684	74	-12.32	Peak	Vertical
4	2390.00	34.67	29.99	30.21	8.35	42.796	54	-11.20	AV	Vertical

802.11n-HT40_TX CH09_2452 MHz										
Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2483.50	56.77	30.25	30.25	8.5	65.274	74	-8.73	Peak	Horizontal
2	2483.50	40.63	30.25	30.25	8.5	49.131	54	-4.87	AV	Horizontal
3	2483.50	55.65	30.25	30.25	8.5	64.151	74	-9.85	Peak	Vertical
4	2483.50	38.06	30.25	30.25	8.5	46.558	54	-7.44	AV	Vertical

Remark:

1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. The other emission levels were very low against the limit.
3. Margin = Limit - Emission Level.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. Detector AV is setting spectrum/receiver. RBW=1MHz/VBW=3MHz/Sweep time=Auto/Detector=Average.

RESULT: Pass

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12. AC Power Line Conducted Emission

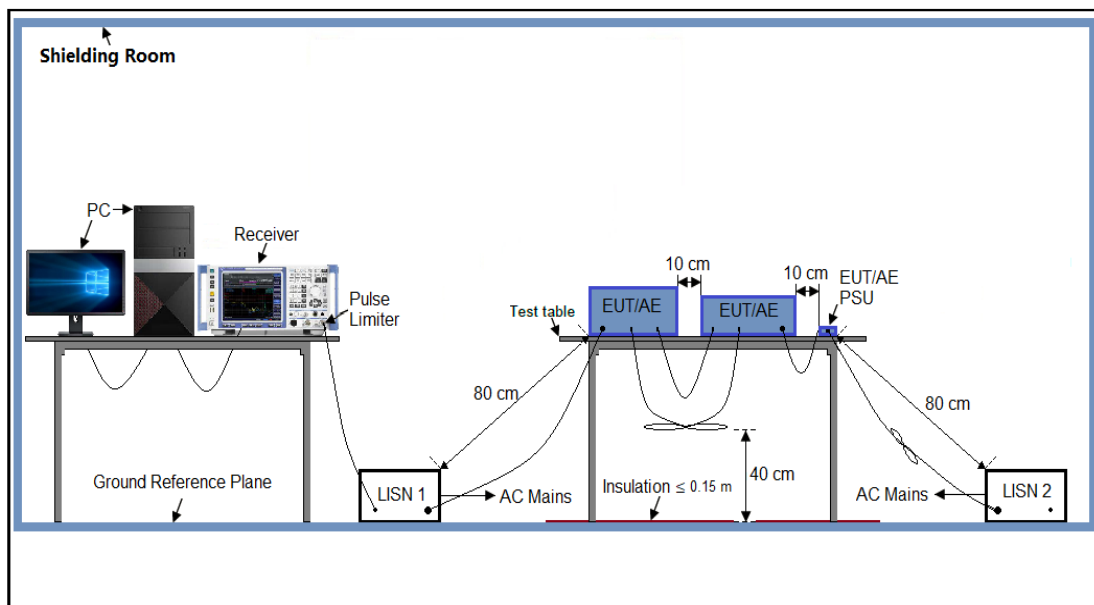
12.1 Measurement Limits

Frequency	Maximum RF Line Voltage	
	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 0.50 MHz.

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/60Hz power 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).
7. 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.
8. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
9. During the above scans, the emissions were maximized by cable manipulation.
10. 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

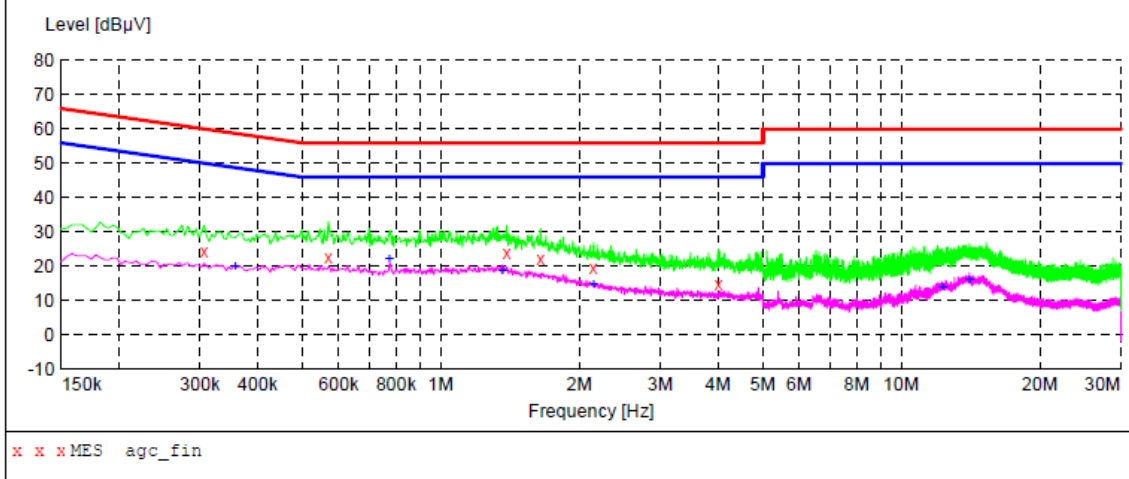
1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used 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.
4. A conducted emission is calculated by the following equation:
 - Measurement Level (dBμV) = Receiver reading (dBμV) + Transd (dB)
 - Transd (dB) = AMN Factor(dB) + Cable Loss(dB) + Attenuation(dB)
 - Margin = Limit - Level

12.5 Test Result of Line Conducted Emission Test

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AC Power Line Conducted Emission Test

Test Mode	Mode 1	LISN Line	Hot Side
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MEASUREMENT RESULT: "agc_fin"

2025/8/21 14:33

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line
0.306000	24.50	9.9	60	35.6	QP	L1
0.570000	22.60	9.9	56	33.4	QP	L1
1.390000	23.90	9.9	56	32.1	QP	L1
1.646000	22.30	9.9	56	33.7	QP	L1
2.146000	19.50	9.9	56	36.5	QP	L1
4.010000	15.00	10.0	56	41.0	QP	L1

MEASUREMENT RESULT: "agc_fin2"

2025/8/21 14:33

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line
0.358000	19.90	9.9	49	28.9	AV	L1
0.774000	22.40	9.9	46	23.6	AV	L1
1.362000	18.80	9.9	46	27.2	AV	L1
2.146000	14.80	9.9	46	31.2	AV	L1
12.270000	14.00	10.4	50	36.0	AV	L1
14.054000	16.00	10.5	50	34.0	AV	L1

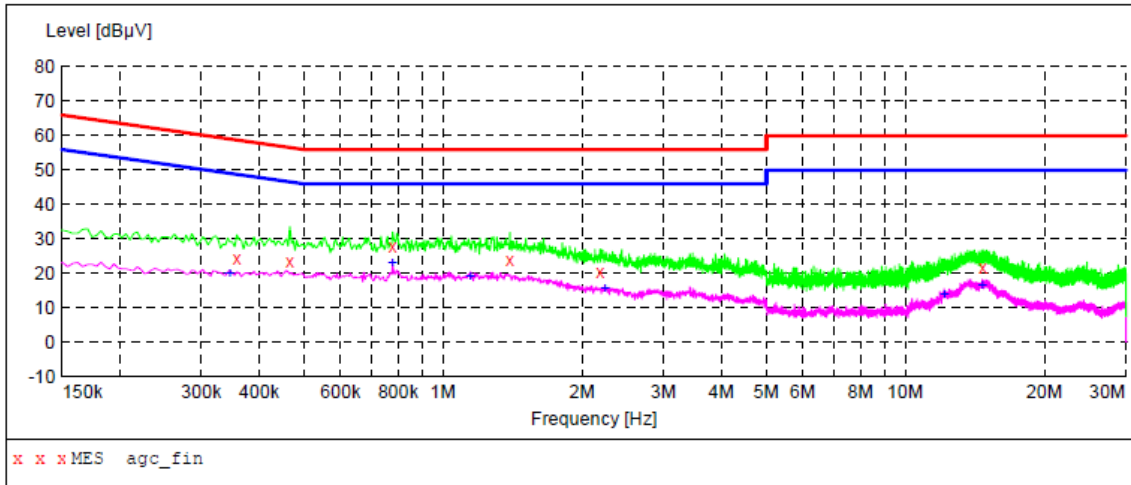
RESULT: Pass

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AC Power Line Conducted Emission Test

Test Mode	Mode 1	LISN Line	Neutral Side
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MEASUREMENT RESULT: "agc_fin"

2025/8/21 14:30

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line
0.358000	24.20	9.9	59	34.6	QP	N
0.466000	23.50	9.9	57	33.1	QP	N
0.778000	28.00	9.9	56	28.0	QP	N
1.394000	23.90	9.9	56	32.1	QP	N
2.186000	20.60	9.9	56	35.4	QP	N
14.710000	21.80	10.5	60	38.2	QP	N

MEASUREMENT RESULT: "agc_fin2"

2025/8/21 14:30

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line
0.346000	20.10	9.9	49	29.0	AV	N
0.778000	23.30	9.9	46	22.7	AV	N
1.146000	19.20	9.9	46	26.8	AV	N
2.238000	15.60	9.9	46	30.4	AV	N
12.122000	14.00	10.4	50	36.0	AV	N
14.670000	16.70	10.5	50	33.3	AV	N

RESULT: Pass

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Appendix I: Photographs of Test Setup

Refer to the Report No.: AGC16626250804AP02

Appendix II: Photographs of Test EUT

Refer to the Report No.: AGC16626250804AP03

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3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

-----End of Report-----

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