2995.6	45.15	1.7	43.45	H
4153.4	44.58	1.2	43.38	H
6139.2	43.8	2.7	41.1	H
6822.0	45.36	3.4	41.96	H
7032.2	44.41	4.4	40.01	H
7322.8	46.2	4	42.2	H

Channel 100(8GHz ~ 18GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
9457.2	44.93	5.6	39.33	V
11229.4	48.67	8	40.67	V
12773.4	49.94	10.9	39.04	V
14427.6	51.06	12.4	38.66	V
15682.6	52.94	14.6	38.34	V
17134.2	54.88	17.4	37.48	H

Channel 100(8GHz ~ 18GHz)(average)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
17134.2	43.54	17.4	26.14	H

Channel 100(18GHz ~ 26.5GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
19047.2	42.38	-4.4	46.78	H
20447.2	42.94	-3.1	46.04	V
21726.4	46.22	-2.6	48.82	V
22878.2	47.15	-0.7	47.85	H
24125.1	48.57	-0.1	48.67	V
25257.3	48.21	0.4	47.81	V

Channel 100(26.5GHz ~ 40GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
27937.8	36.87	-0.5	37.37	V
30238.2	36.6	1	35.6	V
32448.1	38.15	3.2	34.95	V
34493.4	40.33	4.5	35.83	H
36967.9	45.57	8.3	37.27	H
38909.2	48.37	11.7	36.67	V

Channel 102(30MHz ~1GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
32.2	11.07	-14.3	25.37	H
68.3	7.97	-15.1	23.07	V
114.9	8.54	-14.1	22.64	V
264.7	10.85	-11.4	22.25	H
411.3	14.79	-7.8	22.59	V
532.5	17.37	-5.4	22.77	H

Channel 102(1GHz ~ 8GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
2994.2	49.9	1.8	48.1	H
3817.2	46.64	1.8	44.84	H
6284.2	44.1	2.9	41.2	H
6638.0	45.12	3.4	41.72	H
7018.0	45.75	4.3	41.45	H
7307.8	44.98	4	40.98	H

Channel 102(8GHz ~ 18GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
9871.4	46.75	5.6	41.15	V
11487.2	48.93	9.2	39.73	V
12819.0	49.74	11	38.74	H
14123.0	49.66	12.4	37.26	V
15248.2	51.73	14.2	37.53	V
16309.4	52.65	16.1	36.55	H

Channel 102(18GHz ~ 26.5GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
19093.1	41.54	-4.4	45.94	H
20530.4	43.51	-3.1	46.61	V
21934.6	46.33	-2.2	48.53	V
23442.6	46.67	-1.1	47.77	V
24749.0	49.01	0.6	48.41	H
25947.5	49.73	-0.5	50.23	H

Channel 102(26.5GHz ~ 40GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
28001.2	36.18	0	36.18	H
30269.2	35.94	1	34.94	H
32029.6	37.96	2.1	35.86	H
34069.4	40	4.3	35.7	V
35858.2	43.23	6.4	36.83	H
38883.6	48.97	11.6	37.37	H

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Channel 106(30MHz ~1GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
32.2	11.86	-14.3	26.16	H
75.0	6.1	-16.9	23	H
122.7	13.67	-15.3	28.97	H
324.7	12.57	-9.7	22.27	H
442.4	17.04	-7.6	24.64	V
518.9	16.99	-5.7	22.69	V

Channel 106(1GHz ~ 8GHz)(peak)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
2998.6	45.29	1.7	43.59	H
5945.8	44.08	2.2	41.88	H
6263.0	44.87	2.8	42.07	H
6515.0	45.90	3.0	42.9	H
7151.2	45.06	4.1	40.96	H
7445.4	44.57	3.5	41.07	H

Channel 106(1GHz ~ 8GHz)(average)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
3192	43.44	1.7	41.74	V
5867.4	28.95	3.1	25.85	V
6417.6	30.25	3.5	26.75	V
6794.8	30.24	4.1	26.14	V
7076.4	30.61	4.9	25.71	H
7449.4	30.11	4.2	25.91	V

Channel 106 (8GHz ~ 18GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
9287.6	45.8	5.2	40.6	H
10710.8	48.05	7.5	40.55	V
12245.6	49.4	10.8	38.6	V
13796.0	51.26	11.8	39.46	H
15018.8	51.74	13.7	38.04	H
16339.4	52.31	16.2	36.11	V

Channel 106 (18GHz ~ 26.5GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
19213.8	41.86	-4.7	46.56	V
20623.1	42.49	-3.8	46.29	H
21820.8	45.07	-2.5	47.57	V
23136.6	46.29	-1.7	47.99	V
24624.0	49.69	0.1	49.59	V
25823.4	49.01	0.5	48.51	H

Channel106(26.5GHz ~ 40GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
27974.2	36.03	-0.2	36.23	H
30362.4	37.72	1.1	36.62	V
32739.7	38.2	3.9	34.3	H
34829.5	38.97	3.6	35.37	H
36850.4	45.15	8.5	36.65	H
38902.4	48.48	11.6	36.88	V

6.7. Frequency Stability

Manufacturers ensured the EUT meet the requirement of frequency stability, such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

7. Test Equipment List

7.1. Conducted Test System

Item	Equipment Name	Type	Serial Number	Manufacturer	Cal. Date	Cal. interval
1	Vector Signal Analyzer	FSQ26	101091	R&S	2020-05-11 2021-05-10	1 year
2	DC Power Supply	ZUP60-14	LOC-220Z006-0007	TDL-Lambda	2020-05-11 2021-05-10	1 year
3	Eagle Test Software	Eagle V3.1 FCC BT/WIFI	N/A	ECIT	N/A	N/A

7.2. Radiated Emission Test System

Item	Equipment Name	Type	Serial Number	Manufacturer	Cal. Date	Cal. interval
1	Universal Radio Communication Tester	CMU200	123123	R&S	2020-05-11 2021-05-10	1 year
2	EMI Test Receiver	ESU40	100307	R&S	2021-03-03	1 year
3	TRILOG Broadband Antenna	VULB9163	VULB9163-515	Schwarzbeck	2021-02-03	2 years
4	Double- ridged Waveguide Antenna	ETS-3117	00135890	ETS	2020-02-28	3 years
5	Universal Radio Communication Tester	CMW500	104178	R&S	2020-05-11 2021-05-10	1 year
6	EMI Test Software	EMC32 V 9.15.00	N/A	R&S	N/A	N/A

Anechoic chamber

Fully anechoic chamber by ETS.Measurement Uncertainty

Measurement uncertainty for all the testing in this report are within the limit specified in 3IN documents . The detailed measurement uncertainty is defined in 3IN documents.

Measurement Items	Range	Confidence Level	Calculated Uncertainty
Peak Output Power-Conducted	5100MHz-5875MHz	95%	1.024dB
Peak Power Spectral Density	5100MHz-5875MHz	95%	1.024dB/MHz
Conducted Emission	30MHz-2GHz	95%	0.90dB
Conducted Emission	2GHz-3.6GHz	95%	0.88dB
Conducted Emission	3.6GHz-8GHz	95%	0.96dB
Conducted Emission	8GHz-20GHz	95%	0.94dB
Conducted Emission	20GHz-22GHz	95%	0.88dB
Conducted Emission	22GHz-26GHz	95%	0.86dB
Transmitter Spurious Emission-Radiated	9KHz-30MHz	95%	5.66dB
Transmitter Spurious Emission-Radiated	30MHz-1000MHz	95%	4.98dB
Transmitter Spurious Emission-Radiated	1000MHz -18000MHz	95%	5.06dB
Transmitter Spurious Emission-Radiated	18000MHz -40000MHz	95%	5.20dB
AC Power line Conducted Emission	0.15MHz-30MHz	95%	3.66 dB

Annex A: Accreditation Certificate

Accredited Laboratory

A2LA has accredited

INDUSTRIAL INTERNET INNOVATION CENTER (SHANGHAI) CO., LTD.

Shanghai, People's Republic of China

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 12th day of April 2021.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3682.01
Valid to February 28, 2023

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

************END OF REPORT************