

WIFI5GB4-A-Low channel-Vertical-TX-Chain 2

Test result

Project Number: Certification

Test Time: 2023-06-10_15.20.27

EUT Name: N.A

Manufacturer: N.A

Model: UT55

Temp.(oC): 24.1

Hum.: 52%

Test Engineer: LYG

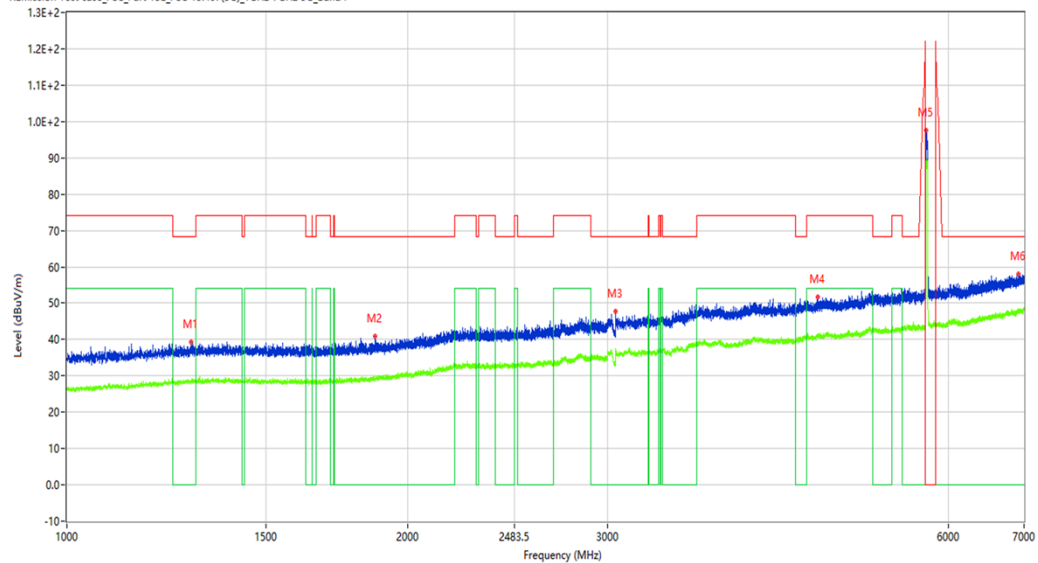
Test Standard: FCC Part 15E

Work Addition: TX

Load: Full load

Remark: E22110043-02#01

REmission Test case_FCC_Part 15E_FCC 15.407(5G)_1GHz-7GHz_5G_Band4



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1288.000	39.28	-14.49	68.2	28.92	Peak	207.30	100	Vertical	Pass
1**	1288.000	28.32	-14.49	—	-28.32	AV	207.30	100	Vertical	N/A
2	1871.250	40.84	-13.99	68.2	27.36	Peak	270.60	100	Vertical	Pass
2**	1871.250	28.95	-13.99	—	-28.95	AV	270.60	100	Vertical	N/A
3	3051.000	47.86	-4.90	68.2	20.34	Peak	262.60	100	Vertical	Pass
3**	3051.000	37.06	-4.90	—	-37.06	AV	262.60	100	Vertical	N/A
4	4602.500	51.67	-0.59	74.0	22.33	Peak	21.80	100	Vertical	Pass
4**	4602.500	40.54	-0.59	54.0	13.46	AV	21.80	100	Vertical	Pass
5	5740.000	97.52	1.81	—	53.38	Peak	150.90	100	Vertical	Pass
5**	5740.000	88.99	1.81	—	-88.99	AV	150.90	100	Vertical	N/A
6	6917.500	57.92	5.07	68.2	10.28	Peak	360.00	100	Vertical	Pass
6**	6917.500	48.48	5.07	—	-48.48	AV	360.00	100	Vertical	N/A

Test result

Project Number: Certification

Test Time: 2023-06-10_17.44.04

EUT Name: N.A

Test Engineer: LYG

Manufacturer: N.A

Test Standard: FCC Part 15E

Model: UT55

Work Addition: TX

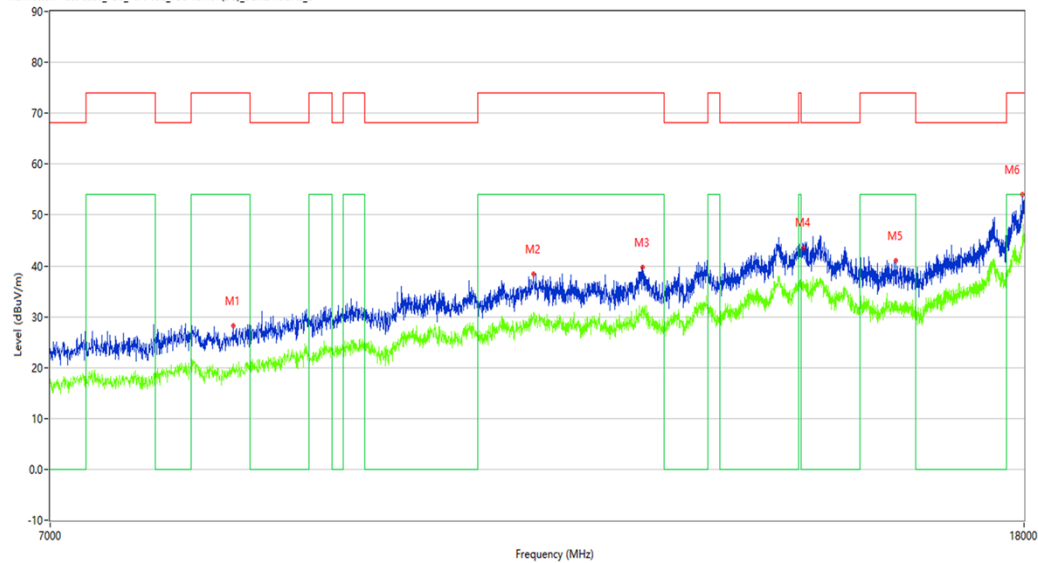
Temp.(oC): 24.1

Load: Full load

Hum.: 52%

Remark: E22110043-02#01

REmission Test case_FCC_Part 15E_FCC 15.407(5G)_6GHz-18GHz_B4



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	8358.500	28.23	8.82	74.0	45.77	Peak	0.00	100	Vertical	Pass
1**	8358.500	20.69	8.82	54.0	33.31	AV	0.00	100	Vertical	Pass
2	11185.500	38.44	16.14	74.0	35.56	Peak	0.00	100	Vertical	Pass
2**	11185.500	30.94	16.14	54.0	23.06	AV	0.00	100	Vertical	Pass
3	12431.250	39.63	17.41	74.0	34.37	Peak	1.08	100	Vertical	Pass
3**	12431.250	31.83	17.41	54.0	22.17	AV	1.08	100	Vertical	Pass
4	14532.250	43.55	22.46	68.2	24.65	Peak	0.00	100	Vertical	Pass
4**	14532.250	36.11	22.46	—	-36.11	AV	0.00	100	Vertical	N/A
5	15896.250	41.00	17.79	74.0	33.00	Peak	0.00	100	Vertical	Pass
5**	15896.250	33.11	17.79	54.0	20.89	AV	0.00	100	Vertical	Pass
6	17977.999	53.97	31.56	74.0	20.03	Peak	1.08	100	Vertical	Pass
6**	17977.999	45.42	31.56	54.0	8.58	AV	1.08	100	Vertical	Pass

WIFI5GB4-AC20-Low channel-Horizontal-TX-MIMO

Test result

Project Number: Certification

Test Time: 2023-06-10_15.31.01

EUT Name: N.A

Test Engineer: LYG

Manufacturer: N.A

Test Standard: FCC Part 15E

Model: UT55

Work Addition: TX

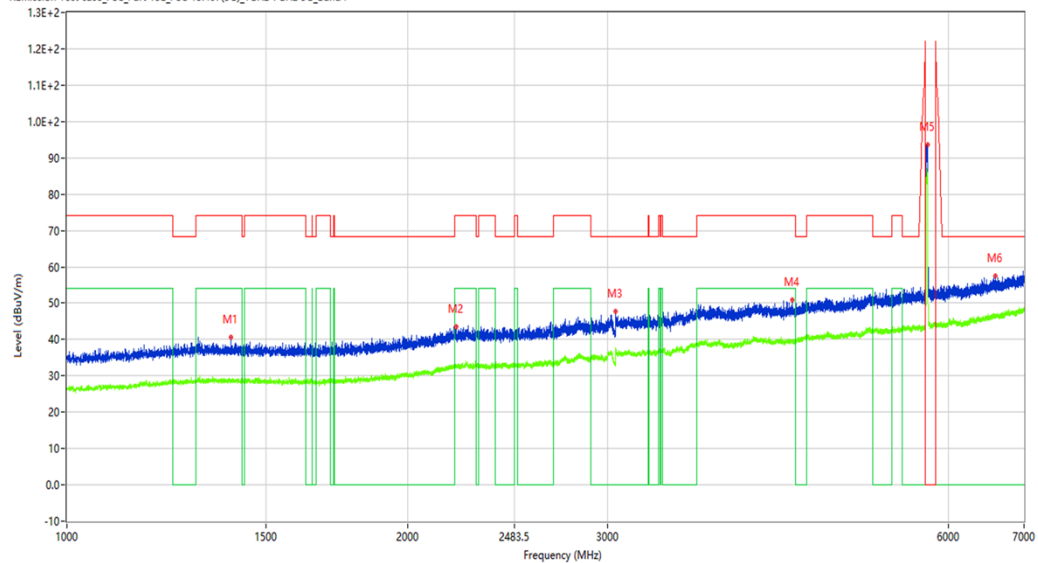
Temp.(oC): 24.1

Load: Full load

Hum.: 52%

Remark: E22110043-02#01

REmission Test case_FCC_Part 15E_FCC 15.407(5G)_1GHz-7GHz_5G_Band4



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1395.500	40.73	-14.36	74.0	33.27	Peak	186.10	100	Horizontal	Pass
1**	1395.500	28.87	-14.36	54.0	25.13	AV	186.10	100	Horizontal	Pass
2	2205.750	43.57	-10.36	74.0	30.43	Peak	0.00	100	Horizontal	Pass
2**	2205.750	32.69	-10.36	54.0	21.31	AV	0.00	100	Horizontal	Pass
3	3050.500	47.83	-4.89	68.2	20.37	Peak	79.10	100	Horizontal	Pass
3**	3050.500	37.70	-4.89	—	-37.70	AV	79.10	100	Horizontal	N/A
4	4368.500	50.90	-1.50	74.0	23.10	Peak	188.50	100	Horizontal	Pass
4**	4368.500	39.49	-1.50	54.0	14.51	AV	188.50	100	Horizontal	Pass
5	5750.500	93.73	1.98	—	45.97	Peak	139.70	100	Horizontal	N/A
5**	5750.500	85.80	1.98	—	-85.80	AV	139.70	100	Horizontal	N/A
6	6605.500	57.45	4.35	68.2	10.75	Peak	319.90	100	Horizontal	Pass
6**	6605.500	46.82	4.35	—	-46.82	AV	319.90	100	Horizontal	N/A

Test result

Project Number: Certification

Test Time: 2023-06-10_17.47.55

EUT Name: N.A

Test Engineer: LYG

Manufacturer: N.A

Test Standard: FCC Part 15E

Model: UT55

Work Addition: TX

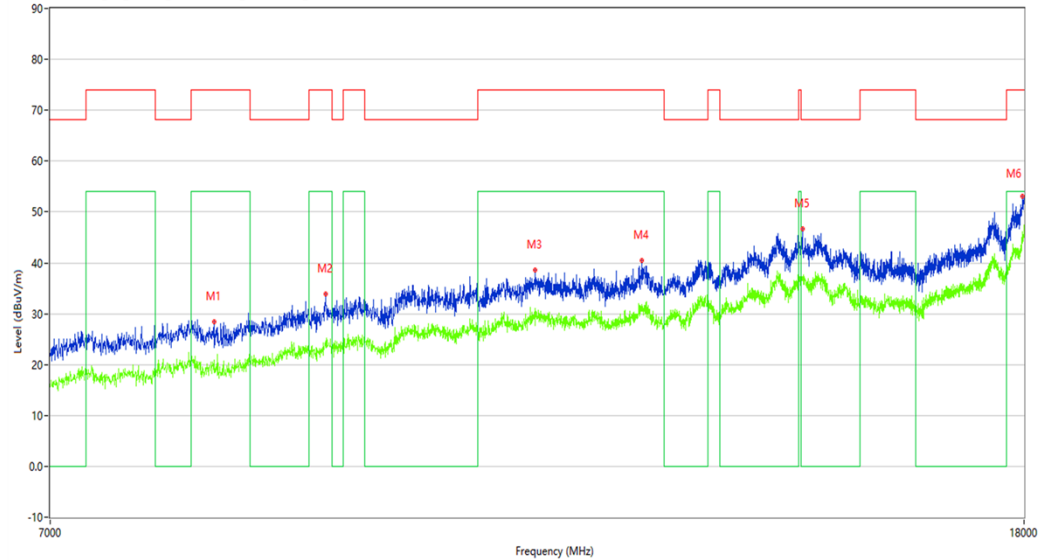
Temp.(oC): 24.1

Load: Full load

Hum.: 52%

Remark: E22110043-02#01

REmission Test case FCC_Part 15E_FCC 15.407(5G)_6GHz-18GHz_B4



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	8210.000	28.34	8.81	74.0	45.66	Peak	2.16	100	Horizontal	Pass
1**	8210.000	19.99	8.81	54.0	34.01	AV	2.16	100	Horizontal	Pass
2	9142.250	33.82	12.20	74.0	40.18	Peak	0.00	100	Horizontal	Pass
2**	9142.250	24.58	12.20	54.0	29.42	AV	0.00	100	Horizontal	Pass
3	11202.000	38.61	16.28	74.0	35.39	Peak	0.00	100	Horizontal	Pass
3**	11202.000	31.03	16.28	54.0	22.97	AV	0.00	100	Horizontal	Pass
4	12425.750	40.51	17.38	74.0	33.49	Peak	1.44	100	Horizontal	Pass
4**	12425.750	31.42	17.38	54.0	22.58	AV	1.44	100	Horizontal	Pass
5	14524.000	46.69	22.53	68.2	21.51	Peak	0.00	100	Horizontal	Pass
5**	14524.000	37.32	22.53	—	-37.32	AV	0.00	100	Horizontal	N/A
6	17977.999	53.11	31.56	74.0	20.89	Peak	2.16	100	Horizontal	Pass
6**	17977.999	45.08	31.56	54.0	8.92	AV	2.16	100	Horizontal	Pass

WIFI5GB4-AC20-Low channel-Vertical-TX-MIMO

Test result

Project Number: Certification

Test Time: 2023-06-10_15.23.26

EUT Name: N.A

Manufacturer: N.A

Model: UT55

Temp.(oC): 24.1

Hum.: 52%

Test Engineer: LYG

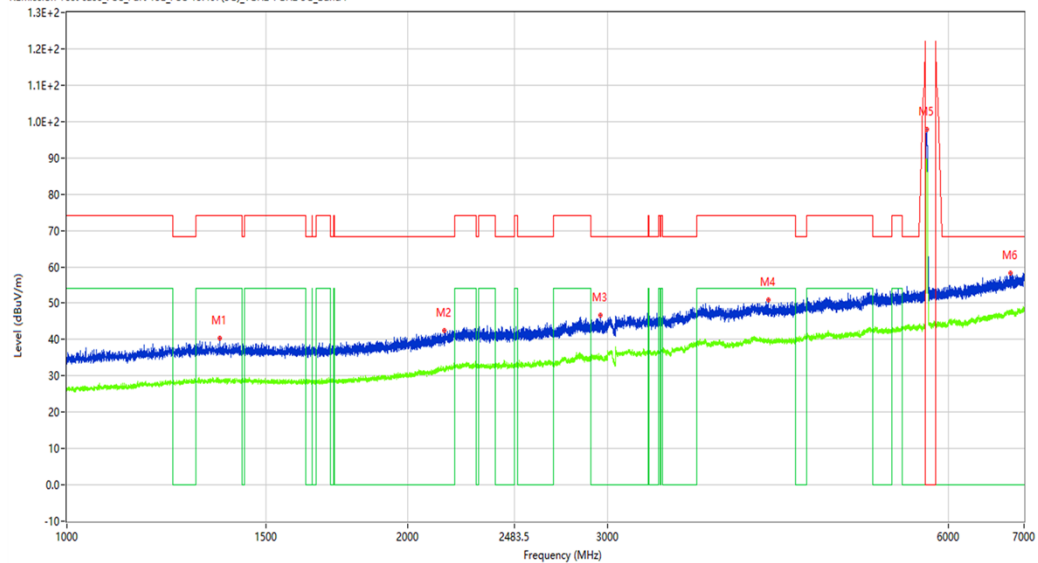
Test Standard: FCC Part 15E

Work Addition: TX

Load: Full load

Remark: E22110043-02#01

REmission Test case_FCC_Part 15E_FCC 15.407(5G)_1GHz-7GHz_5G_Band4



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1364.000	40.39	-14.41	74.0	33.61	Peak	157.80	100	Vertical	Pass
1**	1364.000	28.69	-14.41	54.0	25.31	AV	157.80	100	Vertical	Pass
2	2153.250	42.57	-11.04	68.2	25.63	Peak	224.00	100	Vertical	Pass
2**	2153.250	31.91	-11.04	—	-31.91	AV	224.00	100	Vertical	N/A
3	2960.000	46.72	-6.46	68.2	21.48	Peak	344.20	100	Vertical	Pass
3**	2960.000	35.61	-6.46	—	-35.61	AV	344.20	100	Vertical	N/A
4	4163.000	50.83	-1.37	74.0	23.17	Peak	262.90	100	Vertical	Pass
4**	4163.000	39.33	-1.37	54.0	14.67	AV	262.90	100	Vertical	Pass
5	5741.000	97.92	1.83	—	54.08	Peak	152.00	100	Vertical	N/A
5**	5741.000	89.59	1.83	—	-89.59	AV	152.00	100	Vertical	N/A
6	6808.000	58.26	5.14	68.2	9.94	Peak	360.00	100	Vertical	Pass
6**	6808.000	47.18	5.14	—	-47.18	AV	360.00	100	Vertical	N/A

Test result

Project Number: Certification

Test Time: 2023-06-10_17.46.15

EUT Name: N.A

Test Engineer: LYG

Manufacturer: N.A

Test Standard: FCC Part 15E

Model: UT55

Work Addition: TX

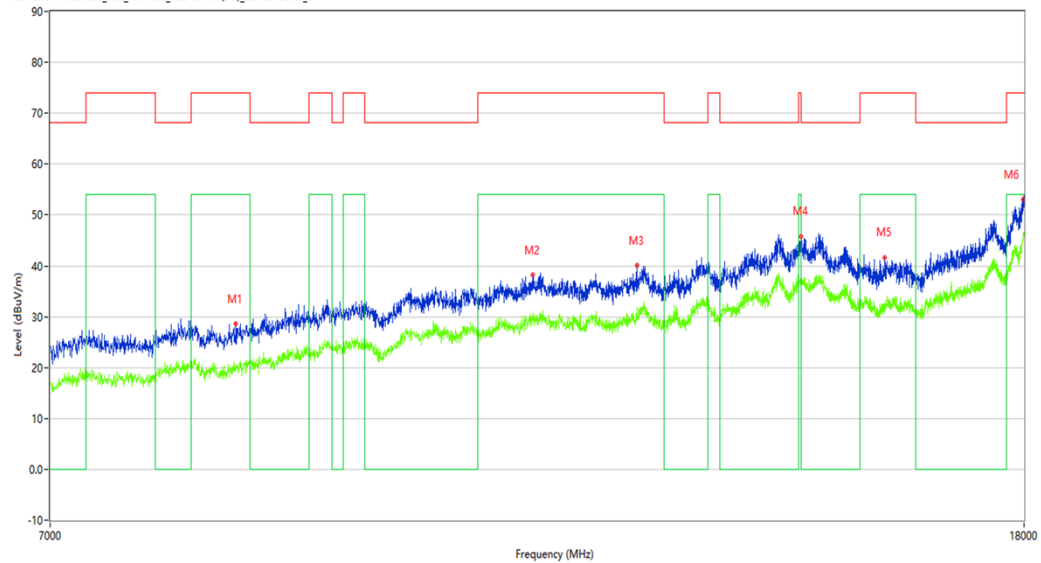
Temp.(oC): 24.1

Load: Full load

Hum.: 52%

Remark: E22110043-02#01

REmission Test case FCC_Part 15E_FCC 15.407(5G)_6GHz-18GHz_B4



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	8380.500	28.64	8.91	74.0	45.36	Peak	2.52	100	Vertical	Pass
1**	8380.500	20.69	8.91	54.0	33.31	AV	2.52	100	Vertical	Pass
2	11174.500	38.21	16.05	74.0	35.79	Peak	2.52	100	Vertical	Pass
2**	11174.500	29.35	16.05	54.0	24.65	AV	2.52	100	Vertical	Pass
3	12365.250	40.04	17.03	74.0	33.96	Peak	2.16	100	Vertical	Pass
3**	12365.250	31.82	17.03	54.0	22.18	AV	2.16	100	Vertical	Pass
4	14502.000	45.67	22.69	68.2	22.53	Peak	0.00	100	Vertical	Pass
4**	14502.000	37.26	22.69	—	-37.26	AV	0.00	100	Vertical	N/A
5	15723.000	41.51	16.58	74.0	32.49	Peak	1.08	100	Vertical	Pass
5**	15723.000	32.14	16.58	54.0	21.86	AV	1.08	100	Vertical	Pass
6	17991.750	53.10	32.41	74.0	20.90	Peak	2.16	100	Vertical	Pass
6**	17991.750	46.40	32.41	54.0	7.60	AV	2.16	100	Vertical	Pass

WIFI5GB4-N40-High channel-Horizontal-TX-MIMO

Test result

Project Number: Certification

Test Time: 2023-06-10_15.52.13

EUT Name: N.A

Test Engineer: LYG

Manufacturer: N.A

Test Standard: FCC Part 15E

Model: UT55

Work Addition: TX

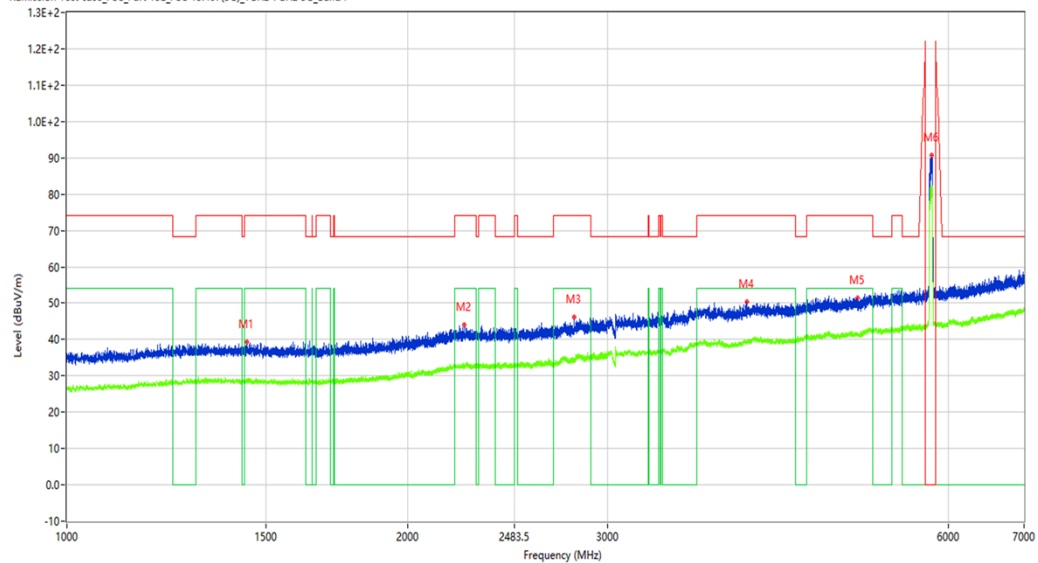
Temp.(oC): 24.1

Load: Full load

Hum.: 52%

Remark: E22110043-02#01

REmission Test case_FCC_Part 15E_FCC 15.407(5G)_1GHz-7GHz_5G_Band4



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.750	39.26	-14.40	74.0	34.74	Peak	246.40	100	Horizontal	Pass
1**	1442.750	29.13	-14.40	54.0	24.87	AV	246.40	100	Horizontal	Pass
2	2244.500	44.14	-10.15	74.0	29.86	Peak	0.00	100	Horizontal	Pass
2**	2244.500	33.20	-10.15	54.0	20.80	AV	0.00	100	Horizontal	Pass
3	2806.500	46.08	-7.00	74.0	27.92	Peak	0.00	100	Horizontal	Pass
3**	2806.500	34.64	-7.00	54.0	19.36	AV	0.00	100	Horizontal	Pass
4	3984.500	50.28	-1.29	74.0	23.72	Peak	360.00	100	Horizontal	Pass
4**	3984.500	39.41	-1.29	54.0	14.59	AV	360.00	100	Horizontal	Pass
5	4987.500	51.42	0.05	74.0	22.58	Peak	10.60	100	Horizontal	Pass
5**	4987.500	41.46	0.05	54.0	12.54	AV	10.60	100	Horizontal	Pass
6	5805.500	90.64	2.38	—	-20.44	Peak	70.20	100	Horizontal	N/A
6**	5805.500	81.89	2.38	—	-81.89	AV	70.20	100	Horizontal	N/A

Test result

Project Number: Certification

Test Time: 2023-06-10_17.48.31

EUT Name: N.A

Test Engineer: LYG

Manufacturer: N.A

Test Standard: FCC Part 15E

Model: UT55

Work Addition: TX

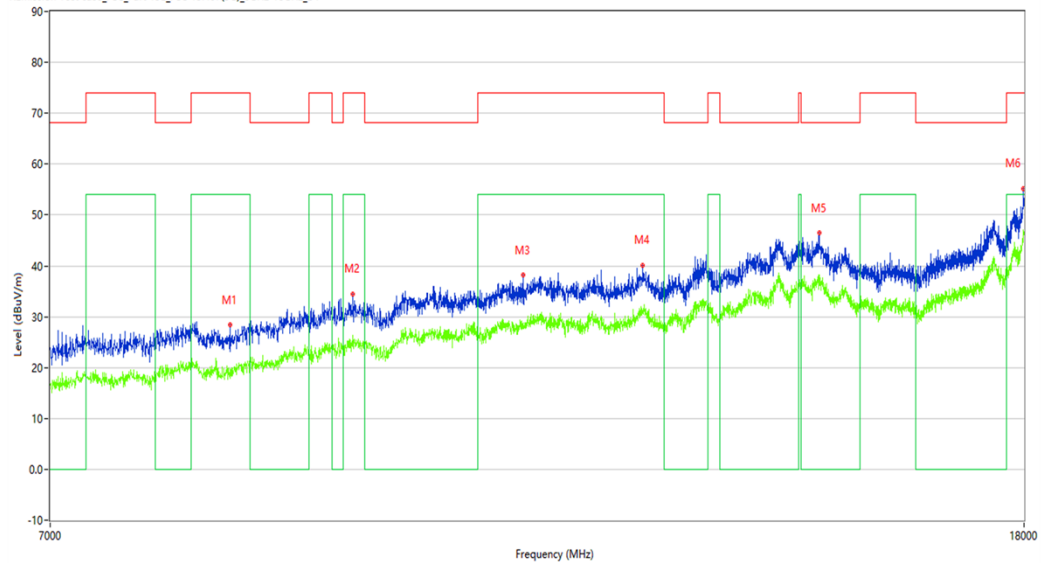
Temp.(oC): 24.1

Load: Full load

Hum.: 52%

Remark: E22110043-02#01

REmission Test case_FCC_Part 15E_FCC 15.407(5G)_6GHz-18GHz_B4



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	8333.750	28.41	8.59	74.0	45.59	Peak	2.16	100	Horizontal	Pass
1**	8333.750	19.78	8.59	54.0	34.22	AV	2.16	100	Horizontal	Pass
2	9389.750	34.39	12.66	74.0	39.61	Peak	1.44	100	Horizontal	Pass
2**	9389.750	26.30	12.66	54.0	27.70	AV	1.44	100	Horizontal	Pass
3	11072.750	38.23	15.21	74.0	35.77	Peak	0.00	100	Horizontal	Pass
3**	11072.750	28.76	15.21	54.0	25.24	AV	0.00	100	Horizontal	Pass
4	12436.750	40.05	17.44	74.0	33.95	Peak	0.00	100	Horizontal	Pass
4**	12436.750	31.27	17.44	54.0	22.73	AV	0.00	100	Horizontal	Pass
5	14757.750	46.48	23.80	68.2	21.72	Peak	0.00	100	Horizontal	Pass
5**	14757.750	38.12	23.80	—	-38.12	AV	0.00	100	Horizontal	N/A
6	17986.251	55.13	32.07	74.0	18.87	Peak	0.00	100	Horizontal	Pass
6**	17986.251	46.07	32.07	54.0	7.93	AV	0.00	100	Horizontal	Pass

WIFI5GB4-N40-High channel-Vertical-TX-MIMO

Test result

Project Number: Certification

Test Time: 2023-06-10_15.49.31

EUT Name: N.A

Test Engineer: LYG

Manufacturer: N.A

Test Standard: FCC Part 15E

Model: UT55

Work Addition: TX

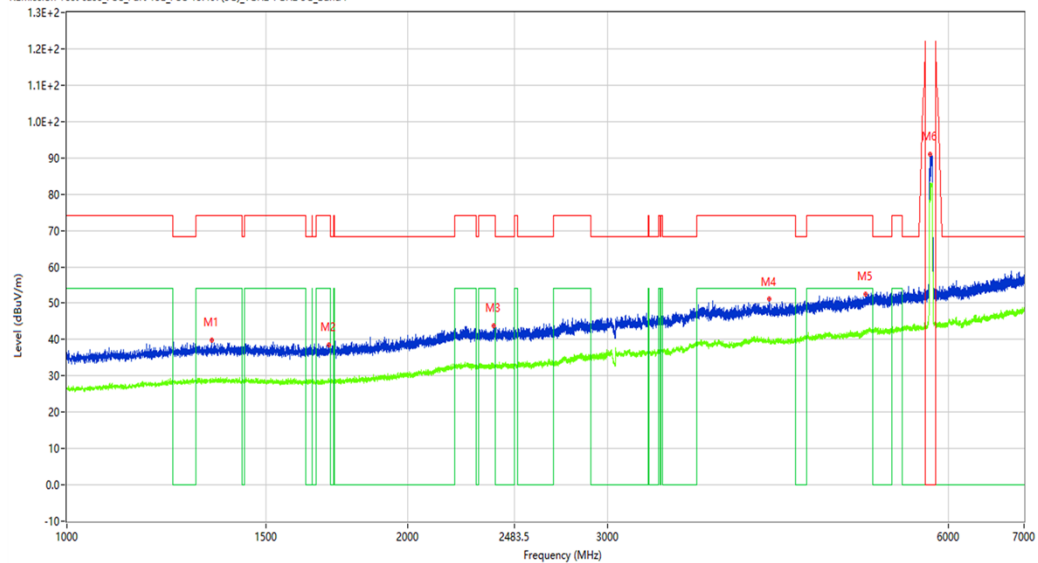
Temp.(oC): 24.1

Load: Full load

Hum.: 52%

Remark: E22110043-02#01

REmission Test case_FCC_Part 15E_FCC 15.407(5G)_1GHz-7GHz_5G_Band4



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1343.000	39.89	-14.38	74.0	34.11	Peak	204.30	100	Vertical	Pass
1**	1343.000	28.79	-14.38	54.0	25.21	AV	204.30	100	Vertical	Pass
2	1703.750	38.50	-14.71	74.0	35.50	Peak	300.60	100	Vertical	Pass
2**	1703.750	28.53	-14.71	54.0	25.47	AV	300.60	100	Vertical	Pass
3	2380.250	43.75	-10.10	74.0	30.25	Peak	237.40	100	Vertical	Pass
3**	2380.250	32.62	-10.10	54.0	21.38	AV	237.40	100	Vertical	Pass
4	4173.000	51.04	-1.46	74.0	22.96	Peak	301.60	100	Vertical	Pass
4**	4173.000	39.53	-1.46	54.0	14.47	AV	301.60	100	Vertical	Pass
5	5071.500	52.38	0.91	74.0	21.62	Peak	120.80	100	Vertical	Pass
5**	5071.500	42.60	0.91	54.0	11.40	AV	120.80	100	Vertical	Pass
6	5783.500	91.05	2.46	—	29.75	Peak	120.80	100	Vertical	Pass
6**	5783.500	83.15	2.46	—	-83.15	AV	120.80	100	Vertical	N/A

Test result

Project Number: Certification

Test Time: 2023-06-10_17.42.55

EUT Name: N.A

Test Engineer: LYG

Manufacturer: N.A

Test Standard: FCC Part 15E

Model: UT55

Work Addition: TX

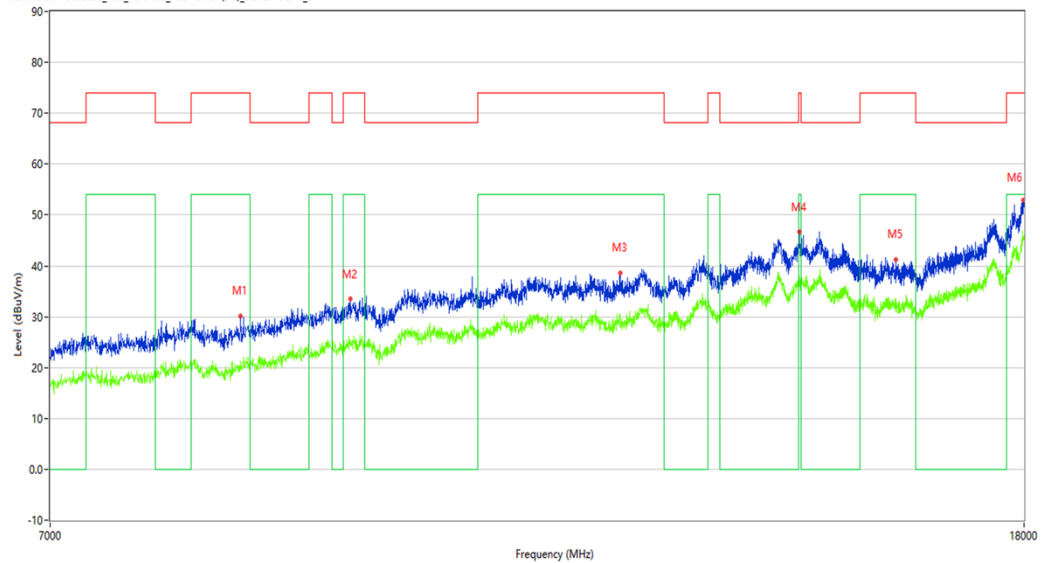
Temp.(oC): 24.1

Load: Full load

Hum.: 52%

Remark: E22110043-02#01

R Emission Test case FCC_Part 15E_FCC 15.407(5G)_6GHz-18GHz_B4



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	8421.750	30.06	8.71	74.0	43.94	Peak	2.16	100	Vertical	Pass
1**	8421.750	20.88	8.71	54.0	33.12	AV	2.16	100	Vertical	Pass
2	9362.250	33.52	12.56	74.0	40.48	Peak	2.16	100	Vertical	Pass
2**	9362.250	24.35	12.56	54.0	29.65	AV	2.16	100	Vertical	Pass
3	12167.250	38.68	16.17	74.0	35.32	Peak	0.00	100	Vertical	Pass
3**	12167.250	30.37	16.17	54.0	23.63	AV	0.00	100	Vertical	Pass
4	14474.500	46.62	22.88	74.0	27.38	Peak	1.44	100	Vertical	Pass
4**	14474.500	37.96	22.88	54.0	16.04	AV	1.44	100	Vertical	Pass
5	15899.000	41.16	17.81	74.0	32.84	Peak	2.52	100	Vertical	Pass
5**	15899.000	33.15	17.81	54.0	20.85	AV	2.52	100	Vertical	Pass
6	17983.500	52.93	31.90	74.0	21.07	Peak	1.44	100	Vertical	Pass
6**	17983.500	45.38	31.90	54.0	8.62	AV	1.44	100	Vertical	Pass