

WIFI5GB1-AC40-Low channel-Horizontal-TX-MIMO

Test result

Project Number: Certification

Test Time: 2023-06-10_14.20.16

EUT Name: N.A

Test Engineer: LYG

Manufacturer: N.A

Test Standard: FCC Part 15E

Model: UT55

Work Addition: TX

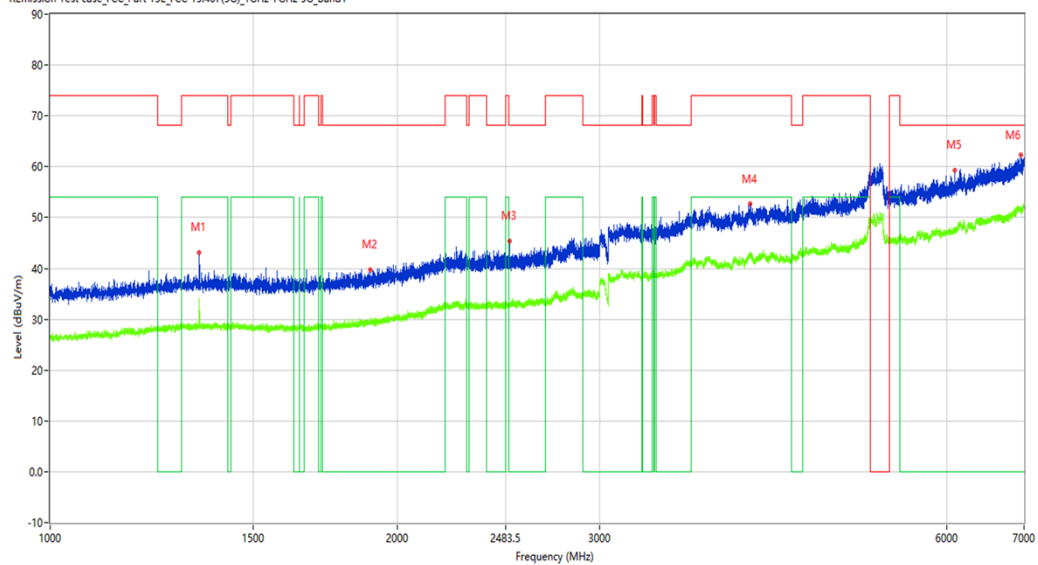
Temp.(oC): 24.1

Load: Full load

Hum.: 52%

Remark: E22110043-02#01

REmission Test case_FCC_Part 15E_FCC 15.407(5G)_1GHz-7GHz 5G_Band1



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1347.500	43.10	-14.40	74.0	30.90	Peak	229.20	100	Horizontal	Pass
1**	1347.500	34.12	-14.40	54.0	19.88	AV	229.20	100	Horizontal	Pass
2	1895.750	39.79	-13.78	68.2	28.41	Peak	183.80	100	Horizontal	Pass
2**	1895.750	29.58	-13.78	—	-29.58	AV	183.80	100	Horizontal	N/A
3	2505.250	45.40	-9.45	68.2	22.80	Peak	245.90	100	Horizontal	Pass
3**	2505.250	32.88	-9.45	—	-32.88	AV	245.90	100	Horizontal	N/A
4	4046.500	52.70	2.33	74.0	21.30	Peak	235.00	100	Horizontal	Pass
4**	4046.500	42.63	2.33	54.0	11.37	AV	235.00	100	Horizontal	Pass
5	6091.000	59.26	6.56	68.2	8.94	Peak	319.90	100	Horizontal	Pass
5**	6091.000	47.69	6.56	—	-47.69	AV	319.90	100	Horizontal	N/A
6	6954.500	62.27	9.80	68.2	5.93	Peak	235.00	100	Horizontal	Pass
6**	6954.500	52.06	9.80	—	-52.06	AV	235.00	100	Horizontal	N/A

Test result

Project Number: Certification

Test Time: 2023-06-10_16.52.38

EUT Name: N.A

Test Engineer: LYG

Manufacturer: N.A

Test Standard: FCC Part 15E

Model: UT55

Work Addition: TX

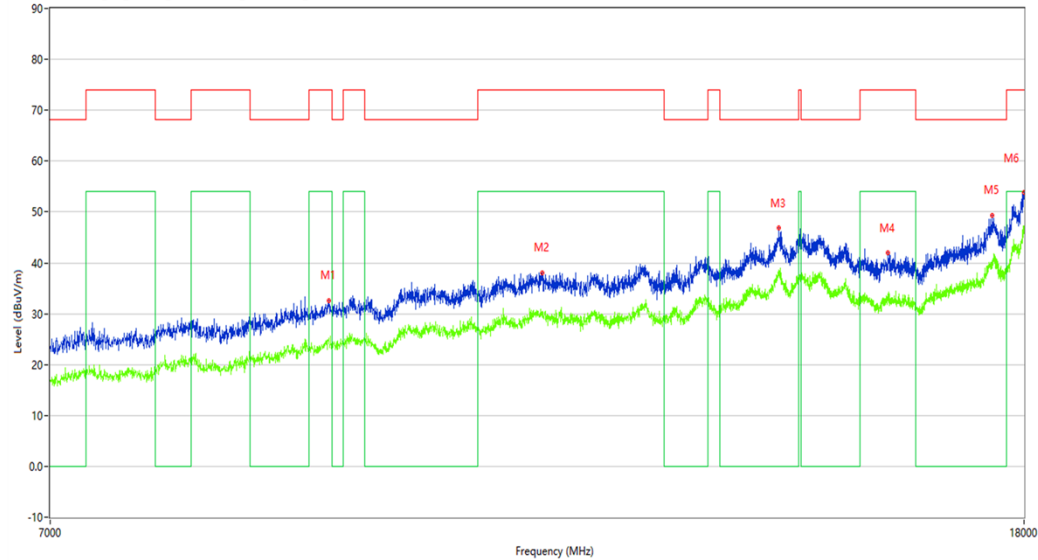
Temp.(oC): 24.1

Load: Full load

Hum.: 52%

Remark: E22110043-02#01

R/Emission Test case FCC_Part 15E_FCC 15.407(5G)_6GHz-18GHz_B1



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9175.250	32.57	12.22	74.0	41.43	Peak	3.96	100	Horizontal	Pass
1**	9175.250	24.84	12.22	54.0	29.16	AV	3.96	100	Horizontal	Pass
2	11284.500	38.09	17.34	74.0	35.91	Peak	0.00	100	Horizontal	Pass
2**	11284.500	29.39	17.34	54.0	24.61	AV	0.00	100	Horizontal	Pass
3	14194.000	46.81	24.63	68.2	21.39	Peak	1.80	100	Horizontal	Pass
3**	14194.000	38.51	24.63	—	-38.51	AV	1.80	100	Horizontal	N/A
4	15778.000	41.91	16.69	74.0	32.09	Peak	3.96	100	Horizontal	Pass
4**	15778.000	32.55	16.69	54.0	21.45	AV	3.96	100	Horizontal	Pass
5	17458.250	49.29	26.03	68.2	18.91	Peak	3.24	100	Horizontal	Pass
5**	17458.250	40.52	26.03	—	-40.52	AV	3.24	100	Horizontal	N/A
6	17997.251	53.92	32.75	74.0	20.08	Peak	2.52	100	Horizontal	Pass
6**	17997.251	46.70	32.75	54.0	7.30	AV	2.52	100	Horizontal	Pass

WIFI5GB1-AC40-Low channel-Vertical-TX-MIMO

Test result

Project Number: Certification

Test Time: 2023-06-10_14.29.49

EUT Name: N.A

Manufacturer: N.A

Model: UT55

Temp.(oC): 24.1

Hum.: 52%

Test Engineer: LYG

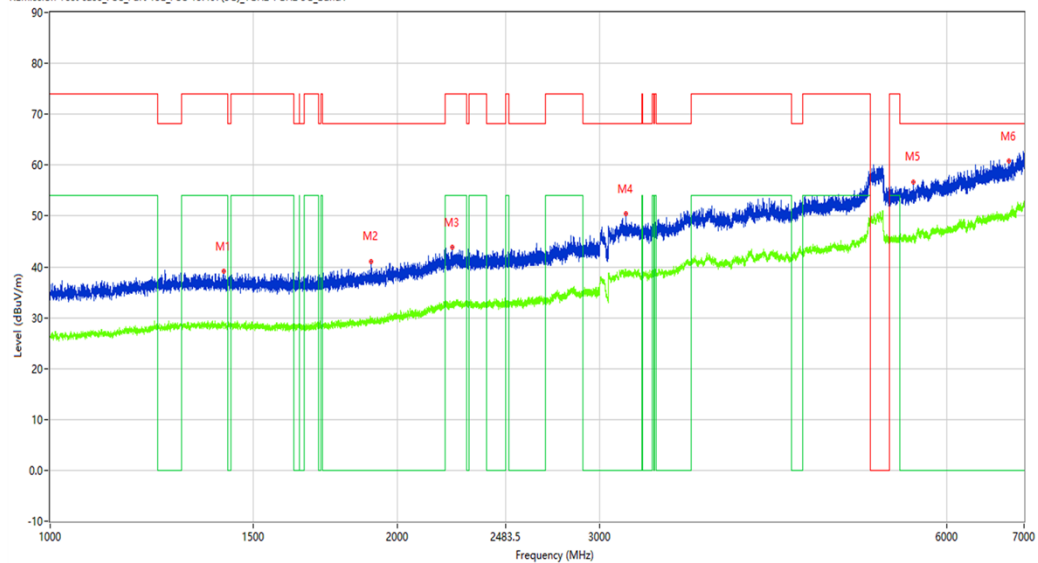
Test Standard: FCC Part 15E

Work Addition: TX

Load: Full load

Remark: E22110043-02#01

REmission Test case_FCC_Part 15E_FCC 15.407(5G)_1GHz-7GHz 5G_Band1



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1413.500	39.12	-14.46	74.0	34.88	Peak	236.70	100	Vertical	Pass
1**	1413.500	29.14	-14.46	54.0	24.86	AV	236.70	100	Vertical	Pass
2	1900.250	41.04	-13.76	68.2	27.16	Peak	299.20	100	Vertical	Pass
2**	1900.250	29.48	-13.76	—	-29.48	AV	299.20	100	Vertical	N/A
3	2232.750	43.83	-10.34	74.0	30.17	Peak	44.70	100	Vertical	Pass
3**	2232.750	32.59	-10.34	54.0	21.41	AV	44.70	100	Vertical	Pass
4	3158.500	50.43	-1.79	68.2	17.77	Peak	318.00	100	Vertical	Pass
4**	3158.500	39.60	-1.79	—	-39.60	AV	318.00	100	Vertical	N/A
5	5615.000	56.76	5.01	68.2	11.44	Peak	220.10	100	Vertical	Pass
5**	5615.000	45.91	5.01	—	-45.91	AV	220.10	100	Vertical	N/A
6	6791.000	60.82	8.60	68.2	7.38	Peak	102.20	100	Vertical	Pass
6**	6791.000	50.29	8.60	—	-50.29	AV	102.20	100	Vertical	N/A

Test result

Project Number: Certification

Test Time: 2023-06-10_16.56.13

EUT Name: N.A

Test Engineer: LYG

Manufacturer: N.A

Test Standard: FCC Part 15E

Model: UT55

Work Addition: TX

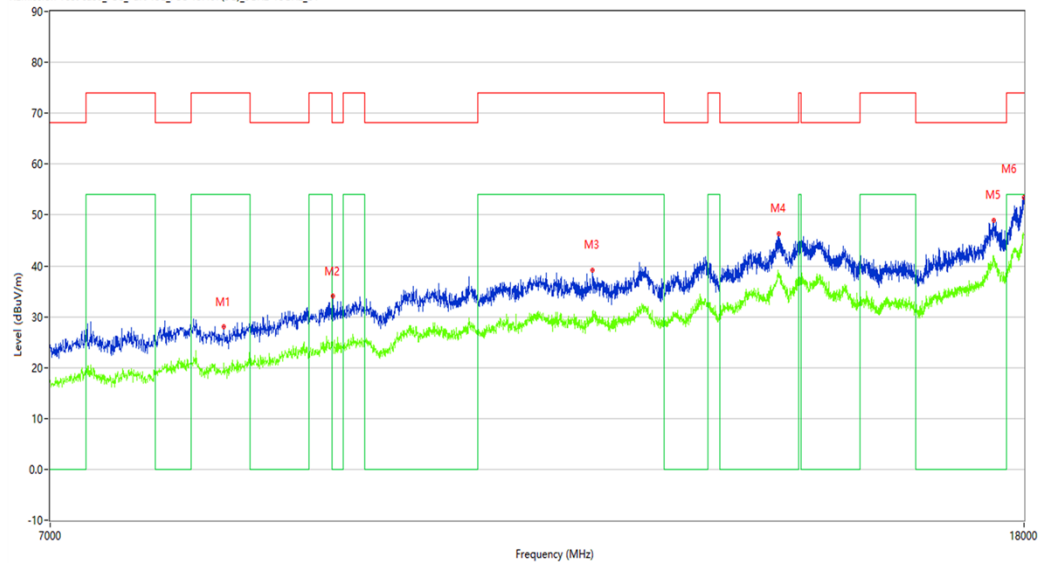
Temp.(oC): 24.1

Load: Full load

Hum.: 52%

Remark: E22110043-02#01

REmission Test case FCC_Part 15E_FCC 15.407(5G)_6GHz-18GHz_B1



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	8281.500	27.95	8.07	74.0	46.05	Peak	2.88	100	Vertical	Pass
1**	8281.500	19.03	8.07	54.0	34.97	AV	2.88	100	Vertical	Pass
2	9211.000	34.05	11.74	68.2	34.15	Peak	4.32	100	Vertical	Pass
2**	9211.000	24.81	11.74	—	-24.81	AV	4.32	100	Vertical	N/A
3	11845.500	39.24	16.76	74.0	34.76	Peak	3.60	100	Vertical	Pass
3**	11845.500	30.97	16.76	54.0	23.03	AV	3.60	100	Vertical	Pass
4	14194.000	46.38	24.63	68.2	21.82	Peak	4.32	100	Vertical	Pass
4**	14194.000	38.04	24.63	—	-38.04	AV	4.32	100	Vertical	N/A
5	17474.750	48.90	26.34	68.2	19.30	Peak	3.60	100	Vertical	Pass
5**	17474.750	41.31	26.34	—	-41.31	AV	3.60	100	Vertical	N/A
6	17997.251	53.53	32.75	74.0	20.47	Peak	4.32	100	Vertical	Pass
6**	17997.251	46.15	32.75	54.0	7.85	AV	4.32	100	Vertical	Pass

WIFI5GB1-AC80-Low channel-Horizontal-TX-MIMO

Test result

Project Number: Certification

Test Time: 2023-06-10_14.22.25

EUT Name: N.A

Manufacturer: N.A

Model: UT55

Temp.(oC): 24.1

Hum.: 52%

Test Engineer: LYG

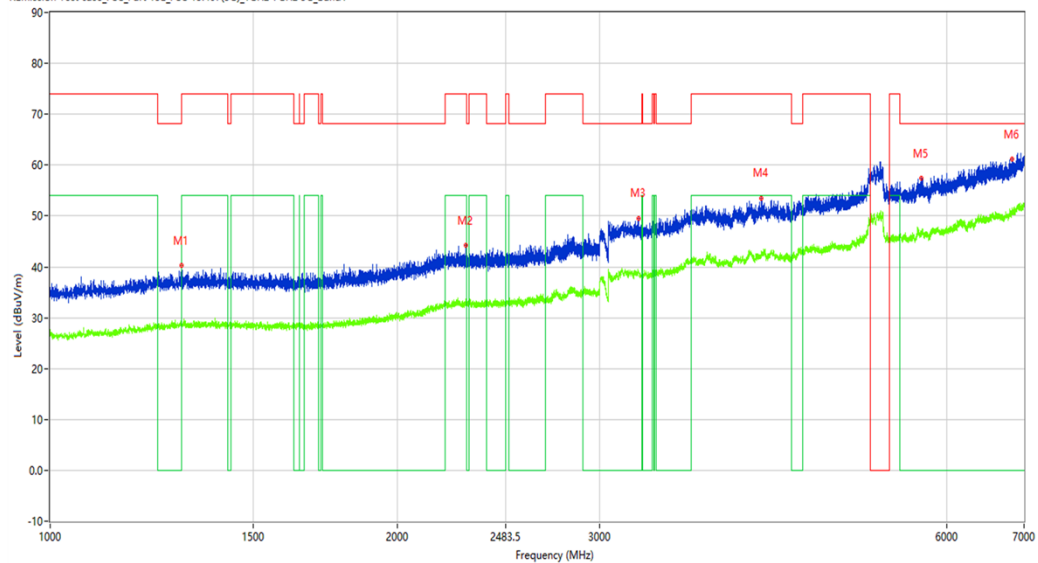
Test Standard: FCC Part 15E

Work Addition: TX

Load: Full load

Remark: E22110043-02#01

REmission Test case_FCC_Part 15E_FCC 15.407(5G)_1GHz-7GHz_5G_Band1



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1299.250	40.24	-14.42	68.2	27.96	Peak	273.20	100	Horizontal	Pass
1**	1299.250	28.57	-14.42	—	-28.57	AV	273.20	100	Horizontal	N/A
2	2295.250	44.19	-9.99	74.0	29.81	Peak	129.90	100	Horizontal	Pass
2**	2295.250	33.61	-9.99	54.0	20.39	AV	129.90	100	Horizontal	Pass
3	3241.500	49.53	-1.85	68.2	18.67	Peak	56.00	100	Horizontal	Pass
3**	3241.500	38.87	-1.85	—	-38.87	AV	56.00	100	Horizontal	N/A
4	4143.000	53.47	2.31	74.0	20.53	Peak	56.00	100	Horizontal	Pass
4**	4143.000	43.03	2.31	54.0	10.97	AV	56.00	100	Horizontal	Pass
5	5698.500	57.37	5.50	68.2	10.83	Peak	1.10	100	Horizontal	Pass
5**	5698.500	46.96	5.50	—	-46.96	AV	1.10	100	Horizontal	N/A
6	6834.500	61.15	8.96	68.2	7.05	Peak	289.30	100	Horizontal	Pass
6**	6834.500	51.64	8.96	—	-51.64	AV	289.30	100	Horizontal	N/A

Test result

Project Number: Certification

Test Time: 2023-06-10_16.51.49

EUT Name: N.A

Test Engineer: LYG

Manufacturer: N.A

Test Standard: FCC Part 15E

Model: UT55

Work Addition: TX

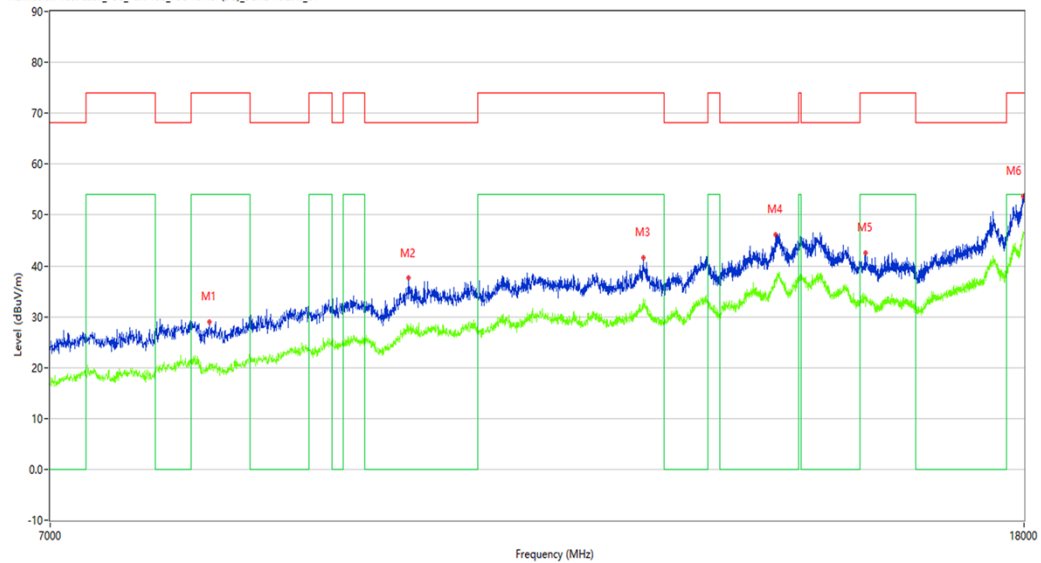
Temp.(oC): 24.1

Load: Full load

Hum.: 52%

Remark: E22110043-02#01

REmission Test case FCC_Part 15E_FCC 15.407(5G)_6GHz-18GHz_B1



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	8171.500	28.91	8.25	74.0	45.09	Peak	10.08	100	Horizontal	Pass
1**	8171.500	19.83	8.25	54.0	34.17	AV	10.08	100	Horizontal	Pass
2	9912.250	37.68	14.88	68.2	30.52	Peak	5.04	100	Horizontal	Pass
2**	9912.250	28.01	14.88	—	-28.01	AV	5.04	100	Horizontal	N/A
3	12445.000	41.56	17.48	74.0	32.44	Peak	3.60	100	Horizontal	Pass
3**	12445.000	33.42	17.48	54.0	20.58	AV	3.60	100	Horizontal	Pass
4	14144.500	46.09	23.36	68.2	22.11	Peak	10.08	100	Horizontal	Pass
4**	14144.500	37.00	23.36	—	-37.00	AV	10.08	100	Horizontal	N/A
5	15431.500	42.49	18.30	74.0	31.51	Peak	2.88	100	Horizontal	Pass
5**	15431.500	33.86	18.30	54.0	20.14	AV	2.88	100	Horizontal	Pass
6	17991.750	53.56	32.41	74.0	20.44	Peak	2.16	100	Horizontal	Pass
6**	17991.750	46.29	32.41	54.0	7.71	AV	2.16	100	Horizontal	Pass

WIFI5GB1-AC80-Low channel-Vertical-TX-MIMO

Test result

Project Number: Certification

Test Time: 2023-06-10_14.32.14

EUT Name: N.A

Manufacturer: N.A

Model: UT55

Temp.(oC): 24.1

Hum.: 52%

Test Engineer: LYG

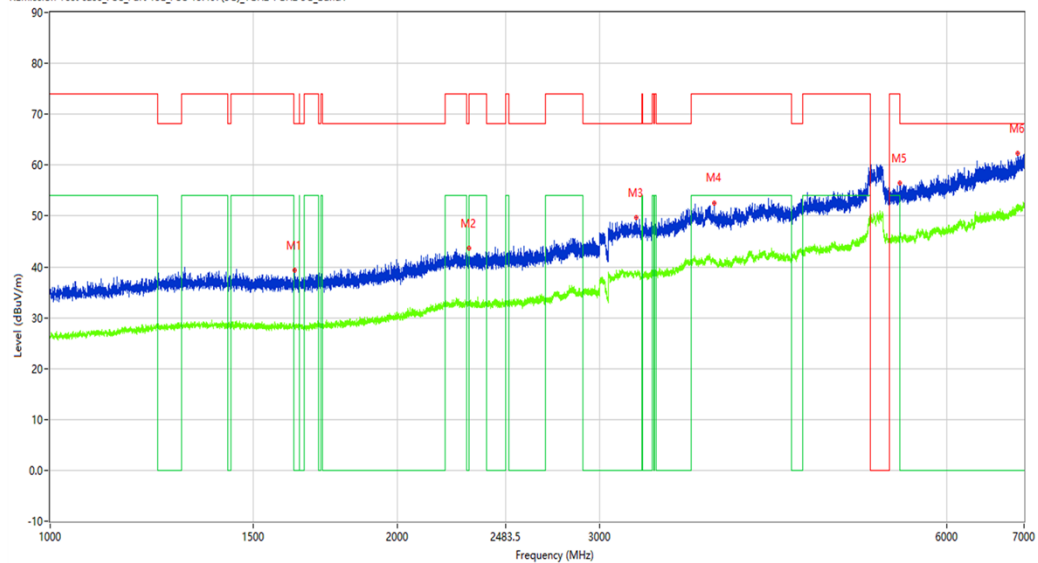
Test Standard: FCC Part 15E

Work Addition: TX

Load: Full load

Remark: E22110043-02#01

REmission Test case_FCC_Part 15E_FCC 15.407(5G)_1GHz-7GHz_5G_Band1



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1628.750	39.41	-14.88	68.2	28.79	Peak	358.80	100	Vertical	Pass
1**	1628.750	28.36	-14.88	—	-28.36	AV	358.80	100	Vertical	N/A
2	2310.000	43.65	-10.13	74.0	30.35	Peak	360.00	100	Vertical	Pass
2**	2310.000	32.59	-10.13	54.0	21.41	AV	360.00	100	Vertical	Pass
3	3223.000	49.64	-1.88	68.2	18.56	Peak	302.70	100	Vertical	Pass
3**	3223.000	38.58	-1.88	—	-38.58	AV	302.70	100	Vertical	N/A
4	3771.500	52.52	0.81	74.0	21.48	Peak	33.70	100	Vertical	Pass
4**	3771.500	41.24	0.81	54.0	12.76	AV	33.70	100	Vertical	Pass
5	5463.500	56.50	4.75	68.2	11.70	Peak	178.50	100	Vertical	Pass
5**	5463.500	46.50	4.75	—	-46.50	AV	178.50	100	Vertical	N/A
6	6916.000	62.23	9.79	68.2	5.97	Peak	178.50	100	Vertical	Pass
6**	6916.000	51.92	9.79	—	-51.92	AV	178.50	100	Vertical	N/A

Test result

Project Number: Certification

Test Time: 2023-06-10_16.55.10

EUT Name: N.A

Test Engineer: LYG

Manufacturer: N.A

Test Standard: FCC Part 15E

Model: UT55

Work Addition: TX

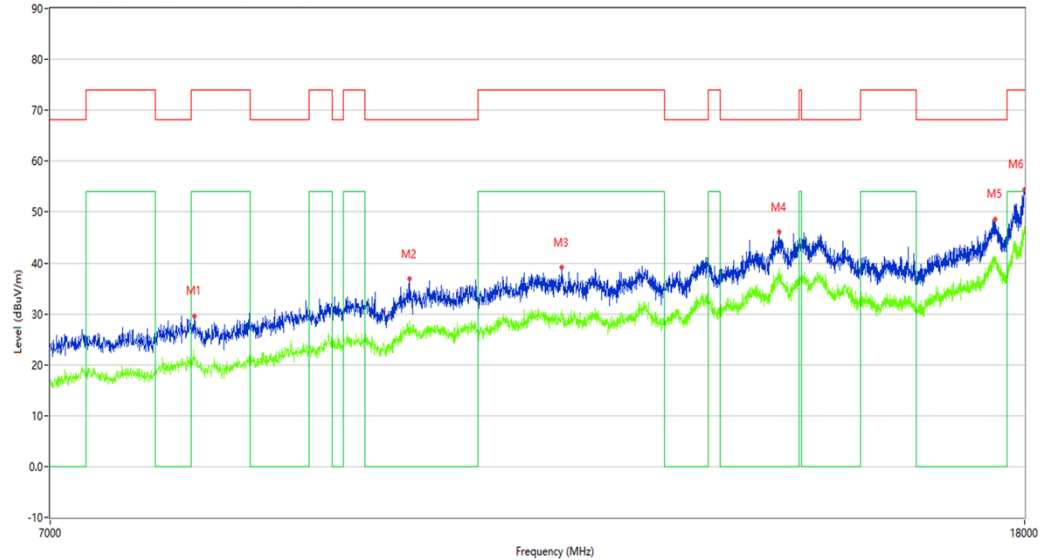
Temp.(oC): 24.1

Load: Full load

Hum.: 52%

Remark: E22110043-02#01

REmission Test case FCC_Part 15E_FCC 15.407(5G)_6GHz-18GHz_B1



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	8050.500	29.52	9.49	74.0	44.48	Peak	3.24	100	Vertical	Pass
1**	8050.500	21.19	9.49	54.0	32.81	AV	3.24	100	Vertical	Pass
2	9917.750	36.85	14.92	68.2	31.35	Peak	1.08	100	Vertical	Pass
2**	9917.750	28.64	14.92	—	-28.64	AV	1.08	100	Vertical	N/A
3	11490.750	39.07	16.89	74.0	34.93	Peak	2.52	100	Vertical	Pass
3**	11490.750	30.68	16.89	54.0	23.32	AV	2.52	100	Vertical	Pass
4	14188.500	46.09	24.75	68.2	22.11	Peak	1.08	100	Vertical	Pass
4**	14188.500	37.80	24.75	—	-37.80	AV	1.08	100	Vertical	N/A
5	17496.750	48.56	26.27	68.2	19.64	Peak	0.00	100	Vertical	Pass
5**	17496.750	39.93	26.27	—	-39.93	AV	0.00	100	Vertical	N/A
6	17997.251	54.43	32.75	74.0	19.57	Peak	2.52	100	Vertical	Pass
6**	17997.251	45.66	32.75	54.0	8.34	AV	2.52	100	Vertical	Pass

WIFI5GB4-A-Low channel-Horizontal-TX-Chain2

Test result

Project Number: Certification

Test Time: 2023-06-10_15.27.52

EUT Name: N.A

Manufacturer: N.A

Model: UT55

Temp.(oC): 24.1

Hum.: 52%

Test Engineer: LYG

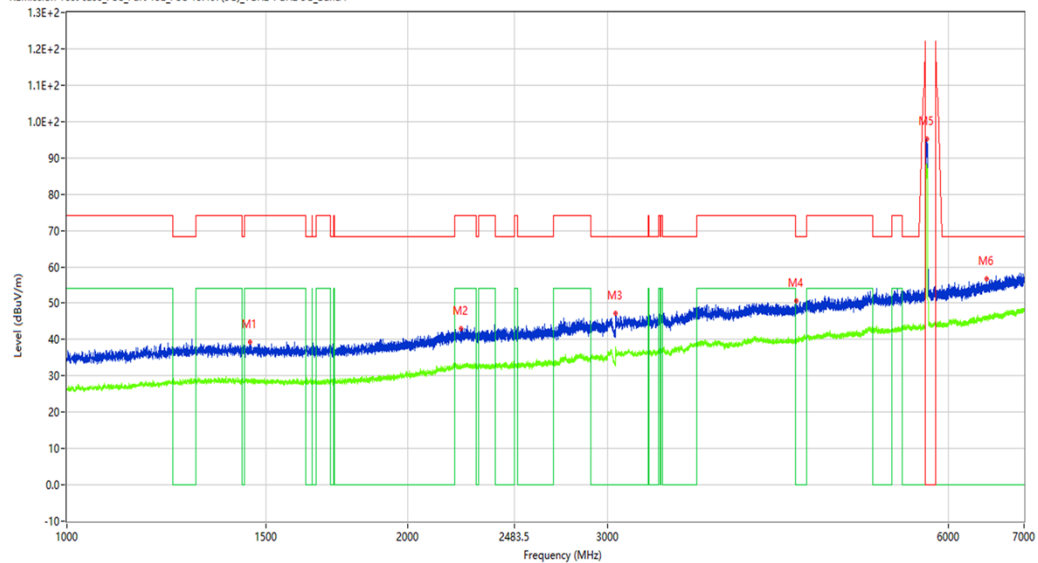
Test Standard: FCC Part 15E

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	1451.500	39.37	-14.51	74.0	34.63	Peak	293.00	100	Horizontal	Pass
1**	1451.500	28.46	-14.51	54.0	25.54	AV	293.00	100	Horizontal	Pass
2	2228.750	43.04	-10.33	74.0	30.96	Peak	165.70	100	Horizontal	Pass
2**	2228.750	32.19	-10.33	54.0	21.81	AV	165.70	100	Horizontal	Pass
3	3052.500	47.23	-4.95	68.2	20.97	Peak	229.10	100	Horizontal	Pass
3**	3052.500	37.53	-4.95	—	-37.53	AV	229.10	100	Horizontal	N/A
4	4405.500	50.53	-1.36	68.2	17.67	Peak	229.10	100	Horizontal	Pass
4**	4405.500	39.95	-1.36	—	-39.95	AV	229.10	100	Horizontal	N/A
5	5741.500	95.17	1.84	—	-57.37	Peak	37.80	100	Horizontal	N/A
5**	5741.500	87.94	1.84	—	-87.94	AV	37.80	100	Horizontal	N/A
6	6492.000	56.64	3.86	68.2	11.56	Peak	291.20	100	Horizontal	Pass
6**	6492.000	46.40	3.86	—	-46.40	AV	291.20	100	Horizontal	N/A

Test result

Project Number: Certification

Test Time: 2023-06-10_18.06.48

EUT Name: N.A

Test Engineer: LYG

Manufacturer: N.A

Test Standard: FCC Part 15E

Model: UT55

Work Addition: TX

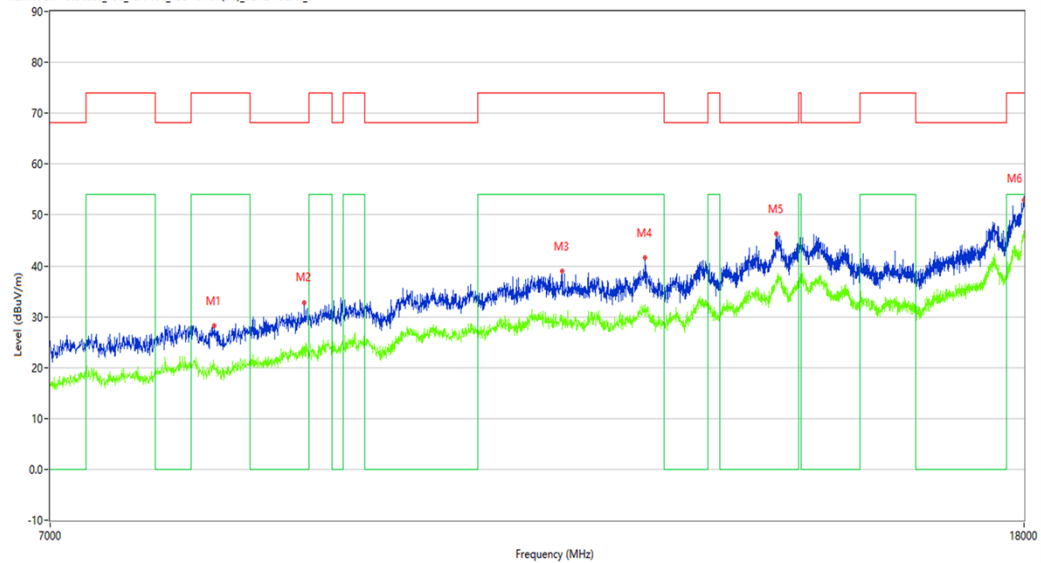
Temp.(oC): 24.1

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	8207.250	28.26	8.83	74.0	45.74	Peak	1.80	100	Horizontal	Pass
1**	8207.250	20.11	8.83	54.0	33.89	AV	1.80	100	Horizontal	Pass
2	8955.250	32.67	12.32	68.2	35.53	Peak	2.52	100	Horizontal	Pass
2**	8955.250	24.08	12.32	—	-24.08	AV	2.52	100	Horizontal	N/A
3	11499.000	38.93	16.93	74.0	35.07	Peak	3.24	100	Horizontal	Pass
3**	11499.000	29.92	16.93	54.0	24.08	AV	3.24	100	Horizontal	Pass
4	12467.000	41.66	17.54	74.0	32.34	Peak	3.24	100	Horizontal	Pass
4**	12467.000	32.37	17.54	54.0	21.63	AV	3.24	100	Horizontal	Pass
5	14152.750	46.23	23.64	68.2	21.97	Peak	0.00	100	Horizontal	Pass
5**	14152.750	37.34	23.64	—	-37.34	AV	0.00	100	Horizontal	N/A
6	17997.251	52.97	32.75	74.0	21.03	Peak	3.24	100	Horizontal	Pass
6**	17997.251	45.61	32.75	54.0	8.39	AV	3.24	100	Horizontal	Pass