A1. Conducted Test Results

Test Engineer:	Jiang Jun	Temperature:	21~25	°C
Test Date:	2024.4.22~2024.6.12	Relative Humidity:	51~54	%

Report Number : FR432101A

CDD 1S2T

TEST RESULTS DATA
Average Output Power

2.4GHz Band MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant1	Ant2	Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
11b	1Mbps	2	1	2412	0.85	0.91	15.03	15.64	18.36	30.00		5.11		23.47		36.00		Pass
11b	1Mbps	2	2	2417	0.85	0.91	18.60	17.40	21.05	30.00		5.11		26.16		36.00		Pass
11b	1Mbps	2	3	2422	0.85	0.91	20.61	19.40	23.06	30.00		5.11		28.17		36.00		Pass
11b	1Mbps	2	6	2437	0.85	0.91	21.24	22.73	25.06	30.00		5.11		30.17		36.00		Pass
11b	1Mbps	2	9	2452	0.85	0.91	19.94	18.98	22.50	30.00		5.11		27.61		36.00		Pass
11b	1Mbps	2	10	2457	0.85	0.91	18.11	16.88	20.55	30.00		5.11		25.66		36.00		Pass
11b	1Mbps	2	11	2462	0.85	0.91	14.24	15.27	17.80	30.00		5.11		22.91		36.00		Pass
11g	6Mbps	2	1	2412	0.04	0.04	21.36	21.81	24.60	30.00		5.11		29.71		36.00		Pass
11g	6Mbps	2	6	2437	0.04	0.04	21.50	22.42	24.99	30.00		5.11		30.10		36.00		Pass
11g	6Mbps	2	10	2457	0.04	0.04	21.56	20.84	24.23	30.00		5.11		29.34		36.00		Pass
11g	6Mbps	2	11	2462	0.04	0.04	16.86	18.11	20.54	30.00		5.11		25.65		36.00		Pass
HT20	MCS0	2	1	2412	0.05	0.09	20.27	20.89	23.60	30.00		5.11		28.71		36.00		Pass
HT20	MCS0	2	6	2437	0.05	0.09	20.23	21.03	23.66	30.00		5.11		28.77		36.00		Pass
HT20	MCS0	2	11	2462	0.05	0.09	17.81	19.01	21.46	30.00		5.11		26.57		36.00		Pass
HT40	MCS0	2	3	2422	0.04	0.06	18.43	19.03	21.75	30.00		5.11		26.86		36.00		Pass
HT40	MCS0	2	6	2437	0.04	0.06	19.12	19.79	22.48	30.00		5.11		27.59		36.00		Pass
HT40	MCS0	2	9	2452	0.04	0.06	17.43	18.43	20.97	30.00		5.11		26.08		36.00		Pass

Setting	
Ant1	Ant2
15.50	
18.00	
20.00	
22.00	
20.00	
18.00	
15.00	
22.00	
23.00	
22.00	
18.00	
21.00	
21.50	
19.00	
20.50	
20.00	
19.00	

Note: Measured power (dBm) has offset with cable loss.

TEST RESULTS DATA
Average Output Power

2.4GHz Band MIMO																			
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
						Ant1	Ant2	Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
HE20	MCS0	2	1	2412	Full	0.13	0.15	20.80	21.40	24.12	30.00		5.11		29.23		36.00		Pass
HE20	MCS0	2	1	2412	4*52RU	0.46	0.44	18.45	17.65	21.08	30.00		5.11		26.19		36.00		Pass
HE20	MCS0	2	6	2437	Full	0.13	0.15	20.75	21.57	24.19	30.00		5.11		29.30		36.00		Pass
HE20	MCS0	2	6	2437	4*52RU	0.46	0.44	20.84	19.83	23.37	30.00		5.11		28.48		36.00		Pass
HE20	MCS0	2	11	2462	Full	0.13	0.15	18.34	19.54	21.99	30.00		5.11		27.10		36.00		Pass
HE20	MCS0	2	11	2462	4*52RU	0.46	0.44	18.42	17.47	20.98	30.00		5.11		26.09		36.00		Pass
HE40	MCS0	2	3	2422	Full	0.07	0.09	18.97	19.54	22.27	30.00		5.11		27.38		36.00		Pass
HE40	MCS0	2	3	2422	242/61	0.27	0.28	17.60	18.20	20.92	30.00		5.11		26.03		36.00		Pass
HE40	MCS0	2	6	2437	Full	0.07	0.09	19.65	20.32	23.01	30.00		5.11		28.12		36.00		Pass
HE40	MCS0	2	6	2437	242/61	0.27	0.28	18.22	18.92	21.59	30.00		5.11		26.70		36.00		Pass
HE40	MCS0	2	9	2452	Full	0.07	0.09	17.95	18.94	21.48	30.00		5.11		26.59		36.00		Pass
HE40	MCS0	2	9	2452	242/62	0.27	0.28	16.52	17.48	20.04	30.00		5.11		25.15		36.00		Pass

Setting	
Ant1	Ant2
21.50	
Gain 33	
22.00	
Gain 35	
19.50	
Gain 33	
21.00	
19.00	
20.50	
18.50	
19.50	
17.50	

Note: Measured power (dBm) has offset with cable loss.

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TEST RESULTS DATA
Average Output Power

2.4GHz Band MIMO																			
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
						Ant1	Ant2	Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
EHT20	MCS0	2	1	2412	Full	0.06	0.03	20.85	21.42	24.15	30.00		5.11		29.26		36.00		Pass
EHT20	MCS0	2	1	2412	4*52RU	0.29	0.27	18.56	17.67	21.15	30.00		5.11		26.26		36.00		Pass
EHT20	MCS0	2	6	2437	Full	0.06	0.03	20.78	21.61	24.23	30.00		5.11		29.34		36.00		Pass
EHT20	MCS0	2	6	2437	4*52RU	0.29	0.27	20.90	19.88	23.43	30.00		5.11		28.54		36.00		Pass
EHT20	MCS0	2	11	2462	Full	0.06	0.03	18.38	19.59	22.04	30.00		5.11		27.15		36.00		Pass
EHT20	MCS0	2	11	2462	4*52RU	0.29	0.27	18.48	17.50	21.03	30.00		5.11		26.14		36.00		Pass
EHT40	MCS0	2	3	2422	Full	0.11	0.04	19.04	19.60	22.34	30.00		5.11		27.45		36.00		Pass
EHT40	MCS0	2	3	2422	8*52RU	0.52	0.51	17.67	18.27	20.99	30.00		5.11		26.10		36.00		Pass
EHT40	MCS0	2	6	2437	Full	0.11	0.04	19.70	20.39	23.07	30.00		5.11		28.18		36.00		Pass
EHT40	MCS0	2	6	2437	8*52RU	0.52	0.51	18.28	18.95	21.64	30.00		5.11		26.75		36.00		Pass
EHT40	MCS0	2	9	2452	Full	0.11	0.04	17.98	18.96	21.51	30.00		5.11		26.62		36.00		Pass
EHT40	MCS0	2	9	2452	8*52RU	0.52	0.51	16.57	17.54	20.09	30.00		5.11		25.20		36.00		Pass

Setting	
Ant1	Ant2
21.50	
Gain 33	
22.00	
Gain 35	
19.50	
Gain 33	
21.00	
19.00	
20.50	
18.50	
19.50	
17.50	

Note: Measured power (dBm) has offset with cable loss.

TX Beamforming

Report Number : FR432101A

TEST RESULTS DATA
Average Output Power

2.4GHz Band MIMO																			
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
						Ant1	Ant2	Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
HE20	MCS0	2	1	2412	Full	0.13	0.15	16.13	15.20	18.70	30.00		3.92		22.62		36.00		Pass
HE20	MCS0	2	2	2417	Full	0.13	0.15	18.89	17.41	21.22	30.00		3.92		25.14		36.00		Pass
HE20	MCS0	2	3	2422	Full	0.13	0.15	20.46	19.12	22.85	30.00		3.92		26.77		36.00		Pass
HE20	MCS0	2	6	2437	Full	0.13	0.15	20.31	19.16	22.78	30.00		3.92		26.70		36.00		Pass
HE20	MCS0	2	10	2457	Full	0.13	0.15	19.23	18.26	21.78	30.00		3.92		25.70		36.00		Pass
HE20	MCS0	2	11	2462	Full	0.13	0.15	15.94	15.20	18.60	30.00		3.92		22.52		36.00		Pass
HE40	MCS0	2	3	2422	Full	0.07	0.09	17.65	19.89	21.92	30.00		3.92		25.84		36.00		Pass
HE40	MCS0	2	6	2437	Full	0.07	0.09	19.59	19.96	22.79	30.00		3.92		26.71		36.00		Pass
HE40	MCS0	2	9	2452	Full	0.07	0.09	17.74	18.63	21.22	30.00		3.92		25.14		36.00		Pass

Setting	
Ant1	Ant2
19.00	
21.00	
24.00	
24.00	
22.00	
19.00	
22.00	
23.00	
22.00	

Note: Measured power (dBm) has offset with cable loss.

Report Number : FR432101A

TEST RESULTS DATA
Average Output Power

2.4GHz Band MIMO																			
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
						Ant1	Ant2	Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
EHT20	MCS0	2	1	2412	Full	0.14	0.20	16.15	15.23	18.72	30.00		3.92		22.64		36.00		Pass
EHT20	MCS0	2	2	2417	Full	0.13	0.15	18.92	17.47	21.27	30.00		3.92		25.19		36.00		Pass
EHT20	MCS0	2	3	2422	Full	0.13	0.15	20.50	19.16	22.89	30.00		3.92		26.81		36.00		Pass
EHT20	MCS0	2	6	2437	Full	0.14	0.20	20.35	19.18	22.81	30.00		3.92		26.73		36.00		Pass
EHT20	MCS0	2	10	2457	Full	0.13	0.15	19.27	18.30	21.82	30.00		3.92		25.74		36.00		Pass
EHT20	MCS0	2	11	2462	Full	0.14	0.20	16.00	15.23	18.64	30.00		3.92		22.56		36.00		Pass
EHT40	MCS0	2	3	2422	Full	0.21	0.13	17.67	17.93	20.81	30.00		3.92		24.73		36.00		Pass
EHT40	MCS0	2	6	2437	Full	0.21	0.13	19.63	20.00	22.83	30.00		3.92		26.75		36.00		Pass
EHT40	MCS0	2	9	2452	Full	0.21	0.13	17.79	18.67	21.26	30.00		3.92		25.18		36.00		Pass

Setting	
Ant1	Ant2
19.00	
21.00	
24.00	
24.00	
22.00	
19.00	
22.00	
23.00	
22.00	

Note: Measured power (dBm) has offset with cable loss.