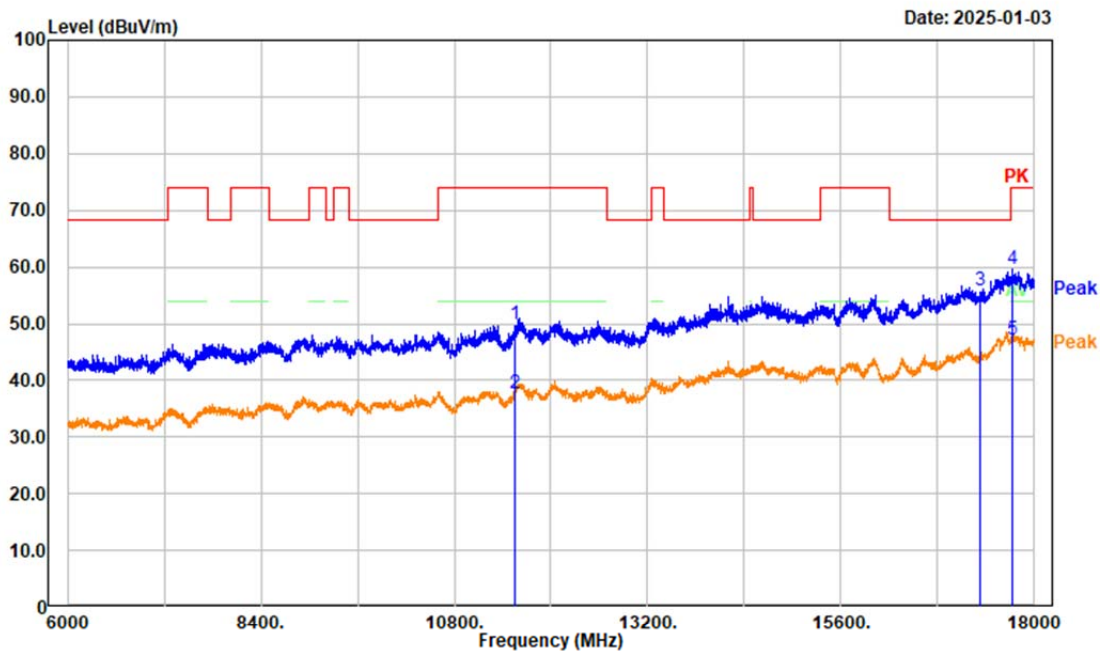


Project No.: 2403Z104805E-RF
Tester: Tao Zhu
Condition: RBW:1000 kHz VBW:3000 kHz SWT:0.3 sec
Polarization: vertical
Note: ax80 RU26-0 Middle Channel 5775MHz Band4



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	11550.000	34.79	15.07	49.86	74.00	24.14	Peak
2	11550.000	22.63	15.07	37.70	54.00	16.30	Average
3	17325.000	34.68	21.27	55.95	68.20	12.25	Peak
4	17726.400	33.87	25.87	59.74	74.00	14.26	Peak
5	17726.400	21.41	25.87	47.28	54.00	6.72	Average

4.3 Maximum Conducted Output Power

Serial Number:	2UGN-2	Test Date:	2024/12/9-2024/12/25
Test Site:	RF	Test Mode:	Transmitting
Tester:	Chin Qin	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.3-25.7	Relative Humidity: (%)	47-50	ATM Pressure: (kPa)	101.3-101.8
----------------------	-----------	---------------------------	-------	------------------------	-------------

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
Agilent	USB Average Power Sensor	U2001H	MY50000380	2024/4/1	2025/3/31

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

5150-5250 MHz:

Test Modes	Test Frequency (MHz)	RU Config.	Max. Conducted Average Output Power (dBm)			
			Chain 0	Chain 1	Total	Limit
802.11a	5180	/	11.52	12.35	14.97	24.00
	5200	/	11.68	12.21	14.96	24.00
	5240	/	11.16	12.21	14.73	24.00
802.11n ht20	5180	/	10.57	10.77	13.68	24.00
	5200	/	10.58	10.87	13.74	24.00
	5240	/	11.21	11.39	14.31	24.00
802.11n ht40	5190	/	10.75	11.02	13.90	24.00
	5230	/	11.18	11.35	14.28	24.00
802.11ac vht80	5210	/	10.42	10.41	13.43	24.00
802.11ax hew20	5180	26/0	11.62	11.74	14.69	24.00
		52/37	11.37	11.58	14.49	24.00
		106/53	11.29	11.63	14.47	24.00
		Full	11.32	11.62	14.48	24.00
	5200	26/0	11.48	11.94	14.73	24.00
		52/37	11.33	11.98	14.68	24.00
		106/53	11.26	12.02	14.67	24.00
		Full	11.47	12.03	14.77	24.00
	5240	26/8	11.74	12.08	14.92	24.00
		52/40	11.53	11.95	14.76	24.00
		106/54	11.56	11.98	14.79	24.00
		Full	11.51	12.02	14.78	24.00
802.11ax hew40	5190	26/0	11.31	11.48	14.41	24.00
		52/37	11.34	11.62	14.49	24.00
		106/53	11.29	11.64	14.48	24.00
		242/61	11.22	11.57	14.41	24.00
		Full	11.26	11.54	14.41	24.00
	5230	26/17	10.81	11.35	14.10	24.00
		52/44	10.92	11.38	14.17	24.00
		106/56	10.73	11.28	14.02	24.00
		242/62	10.75	11.26	14.02	24.00
		Full	10.89	11.31	14.12	24.00
802.11ax hew80	5210	26/0	10.51	9.93	13.24	24.00
		52/37	10.59	9.81	13.23	24.00
		106/53	10.63	9.85	13.27	24.00
		242/61	10.44	9.78	13.13	24.00
		484/65	10.47	9.83	13.17	24.00
		Full	10.54	9.94	13.26	24.00

Note:

The device is a client unit.

The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$

So Directional gain = 1.5 dBi

5250-5350 MHz:

Test Modes	Test Frequency (MHz)	RU Config.	Max. Conducted Average Output Power (dBm)			
			Chain 0	Chain 1	Total	FCC Limit
802.11a	5260	/	9.58	12.31	14.17	24.00
	5280	/	9.76	12.43	14.31	24.00
	5320	/	9.36	11.97	13.87	24.00
802.11n ht20	5260	/	8.86	11.15	13.16	24.00
	5280	/	8.86	11.18	13.18	24.00
	5320	/	8.36	10.81	12.77	24.00
802.11n ht40	5270	/	8.64	11.03	13.01	24.00
	5310	/	8.51	10.92	12.89	24.00
802.11ac vht80	5290	/	8.17	10.69	12.62	24.00
802.11ax hew20	5260	26/0	8.64	11.54	13.34	24.00
		52/37	8.63	11.55	13.34	24.00
		106/53	8.55	11.63	13.37	24.00
		Full	8.59	11.57	13.34	24.00
	5280	26/0	8.76	11.88	13.60	24.00
		52/37	8.82	11.84	13.60	24.00
		106/53	8.73	11.93	13.63	24.00
		Full	8.71	11.94	13.63	24.00
	5320	26/8	8.76	12.02	13.70	24.00
		52/40	8.81	12.15	13.80	24.00
		106/54	8.80	12.07	13.75	24.00
		Full	8.85	12.13	13.80	24.00
802.11ax hew40	5270	26/0	8.42	10.85	12.81	24.00
		52/37	8.41	10.86	12.82	24.00
		106/53	8.33	10.74	12.71	24.00
		242/61	8.36	10.83	12.78	24.00
		Full	8.37	10.84	12.79	24.00
	5310	26/17	8.51	10.90	12.88	24.00
		52/44	8.56	10.87	12.88	24.00
		106/56	8.47	10.78	12.79	24.00
		242/62	8.43	10.95	12.88	24.00
		Full	8.55	10.92	12.91	24.00
802.11ax hew80	5290	26/0	8.72	10.21	12.54	24.00
		52/37	8.69	10.26	12.56	24.00
		106/53	8.81	10.27	12.61	24.00
		242/61	8.80	10.33	12.64	24.00
		484/65	8.75	10.18	12.53	24.00
		Full	8.84	10.23	12.60	24.00
802.11ax hew160	5250	26/0	8.81	10.02	12.47	24.00
		52/37	8.86	9.97	12.46	24.00
		106/53	8.79	10.01	12.45	24.00
		242/61	8.77	9.85	12.35	24.00
		484/65	8.75	9.88	12.36	24.00
		Full	8.82	9.93	12.42	24.00

Note:

The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$

So Directional gain=1.5dBi

5470-5725 MHz:

Test Modes	Test Frequency (MHz)	RU Config.	Max. Conducted Average Output Power (dBm)			
			Chain 0	Chain 1	Total	FCC Limit
802.11a	5500	/	10.87	11.49	14.20	24.00
	5580	/	10.06	11.40	13.79	24.00
	5700	/	10.41	11.42	13.95	24.00
	5720	/	10.93	11.21	14.08	24.00
802.11n ht20	5500	/	8.87	9.11	12.00	24.00
	5580	/	9.33	9.36	12.36	24.00
	5700	/	9.34	8.09	11.77	24.00
	5720	/	10.01	8.90	12.50	24.00
802.11n ht40	5510	/	9.18	9.39	12.30	24.00
	5550	/	9.47	9.50	12.50	24.00
	5670	/	9.23	8.30	11.80	24.00
	5710	/	10.06	8.74	12.46	24.00
802.11ac vht80	5530	/	8.75	8.90	11.84	24.00
	5610	/	8.73	8.22	11.49	24.00
	5690	/	9.30	8.48	11.92	24.00
802.11ax hew20	5500	26/0	9.21	10.21	12.75	24.00
		52/37	9.18	10.28	12.78	24.00
		106/53	9.25	10.36	12.85	24.00
		Full	9.24	10.24	12.78	24.00
	5580	26/0	9.22	10.23	12.76	24.00
		52/37	9.20	10.15	12.71	24.00
		106/53	9.17	9.98	12.60	24.00
		Full	9.23	10.02	12.65	24.00
	5700	26/8	9.65	9.47	12.57	24.00
		52/40	9.66	9.56	12.62	24.00
		106/54	9.63	9.44	12.55	24.00
		Full	9.74	9.48	12.62	24.00
	5720	26/8	9.60	9.44	12.53	24.00
		52/40	9.58	9.38	12.49	24.00
		106/54	9.67	9.52	12.61	24.00
		Full	9.62	9.34	12.49	24.00
802.11ax hew40	5510	26/0	8.79	9.89	12.39	24.00
		52/37	8.83	9.81	12.36	24.00
		106/53	8.76	9.74	12.29	24.00
		242/61	8.80	9.77	12.32	24.00
		Full	8.84	9.86	12.39	24.00
	5550	26/17	8.41	9.77	12.15	24.00
		52/44	8.52	9.81	12.22	24.00
		106/56	8.56	9.69	12.17	24.00
		242/62	8.53	9.73	12.18	24.00
		Full	8.46	9.72	12.15	24.00
	5670	26/17	8.74	9.32	12.05	24.00
		52/44	8.72	9.18	11.97	24.00
		106/56	8.83	9.24	12.05	24.00
		242/62	8.76	9.19	11.99	24.00
		Full	8.81	9.21	12.02	24.00
	5710	26/17	9.01	8.97	12.00	24.00
		52/44	9.11	8.91	12.02	24.00
		106/56	9.06	8.88	11.98	24.00
		242/62	9.08	8.79	11.95	24.00
		Full	9.04	8.93	12.00	24.00

Test Modes	Test Frequency (MHz)	RU Config.	Max. Conducted Average Output Power (dBm)			
			Chain 0	Chain 1	Total	FCC Limit
802.11ax hew80	5530	26/0	8.53	9.46	12.03	24.00
		52/37	8.50	9.42	11.99	24.00
		106/53	8.42	9.53	12.02	24.00
		242/61	8.46	9.45	11.99	24.00
		484/65	8.39	9.38	11.92	24.00
		Full	8.49	9.47	12.02	24.00
	5610	26/0	8.58	8.52	11.56	24.00
		52/37	8.62	8.56	11.60	24.00
		106/53	8.61	8.43	11.53	24.00
		242/61	8.55	8.19	11.38	24.00
		484/65	8.49	8.24	11.38	24.00
		Full	8.54	8.33	11.45	24.00
	5690	26/0	8.81	8.19	11.52	24.00
		52/37	8.92	8.16	11.57	24.00
		106/53	8.96	8.26	11.63	24.00
		242/61	8.79	8.08	11.46	24.00
		484/65	8.77	8.23	11.52	24.00
		Full	8.87	8.12	11.52	24.00
802.11ax hew160	5570	26/0	7.88	8.85	11.40	24.00
		52/37	8.02	8.53	11.29	24.00
		106/53	8.06	8.61	11.35	24.00
		242/61	8.00	8.59	11.32	24.00
		484/65	7.96	8.81	11.42	24.00
		Full	7.92	8.74	11.36	24.00

Note:

The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$

So Directional gain=1.5dBi

5725-5850 MHz:

Test Modes	Test Frequency (MHz)	RU Config.	Max. Conducted Average Output Power (dBm)			
			Chain 0	Chain 1	Total	Limit
802.11a	5745	/	11.47	8.5	13.24	30.00
	5785	/	11.74	8.69	13.49	30.00
	5825	/	11.37	8.99	13.35	30.00
802.11n ht20	5745	/	11.62	8.16	13.24	30.00
	5785	/	11.94	8.68	13.62	30.00
	5825	/	11.35	8.6	13.20	30.00
802.11n ht40	5755	/	11.6	8.11	13.21	30.00
	5795	/	11.87	8.31	13.46	30.00
802.11ac vht80	5775	/	11.56	8.49	13.30	30.00
802.11ax hew20	5745	26/0	11.83	8.18	13.39	30.00
		52/37	11.92	8.32	13.49	30.00
		106/53	11.84	8.15	13.39	30.00
		Full	11.78	8.23	13.37	30.00
	5785	26/0	11.58	7.99	13.16	30.00
		52/37	11.53	8.03	13.13	30.00
		106/53	11.66	7.91	13.19	30.00
		Full	11.62	7.94	13.17	30.00
	5825	26/8	11.69	7.75	13.16	30.00
		52/40	11.74	7.92	13.25	30.00
		106/54	11.73	7.93	13.24	30.00
		Full	11.67	7.83	13.17	30.00
802.11ax hew40	5755	26/0	11.02	7.55	12.63	30.00
		52/37	10.76	7.68	12.50	30.00
		106/53	10.83	7.51	12.49	30.00
		242/61	10.85	7.65	12.55	30.00
		Full	10.89	7.62	12.57	30.00
	5795	26/17	10.92	7.37	12.51	30.00
		52/44	10.78	7.44	12.43	30.00
		106/56	10.76	7.32	12.38	30.00
		242/62	10.82	7.48	12.47	30.00
		Full	10.91	7.38	12.50	30.00
802.11ax hew80	5775	26/0	10.53	7.32	12.23	30.00
		52/37	10.65	7.41	12.34	30.00
		106/53	10.51	7.36	12.22	30.00
		242/61	10.49	7.28	12.19	30.00
		484/65	10.62	7.29	12.28	30.00
		Full	10.57	7.34	12.26	30.00

Note:

The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$

So Directional gain=1.5dBi

4.4 Other RF Conducted Data

Please refer to Annex "2403Z104805E-RF-00D Appendix A" for detail test data.

5. EUT PHOTOGRAPHS

Please refer to the attachment 2403Z104805E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2403Z104805E-RF-INP EUT INTERNAL PHOTOGRAPHS

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2403Z104805E-RF-00D-TSP TEST SETUP PHOTOGRAPHS.

===== END OF REPORT =====