

# FCC TEST REPORT

**Name of Sample:** Mobile Cellular Phone  
**Model of Sample:** XT2403-4; XT2403-5  
**Applicant:** Motorola Mobility LLC  
**Issue Date:** 2024-02-18



**ADR TEST AND CERTIFICATION CENTER**  
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<b>Name of Client</b>	Motorola Mobility LLC		
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<b>Trademark</b>	Motorola	<b>Type Name or ID</b>	FCC ID: IHDT56AQ6
<b>Applicant No.</b>	RF174380	<b>Sample No.</b>	1#: NMQJ290101
<b>Delivering Date</b>	2023-12-18	<b>Test Date</b>	2023-12-18 to 2024-02-18
<b>Sample Illustration</b>	None		
<b>Standard</b>	47 CFR Part 2; 47 CFR Part 22; 47 CFR Part 24; 47 CFR Part 27; KDB484596 D01 Referencing Test Data v02r02;		
<b>Conclusion</b>	Pass		
<b>Remarks</b>	N/A		

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### Revision History

Report No.	Version	Description	Issued Date
TR-24ADRTCC7003	Rev.01	Initial issue of report	2024-02-04
TR-24ADRTCC7003	Rev.02	Remove the difference description between ROW SKU and JP SKU. The detailed difference can refer to the PED file.	2024-02-04
TR-24ADRTCC7003	Rev.03	Add 5G NR conducted power spot check data	2024-02-18
TR-24ADRTCC7003	Rev.04	Add detailed n77/n78 power. Add KDB 484596 D01 reference. Add data re-use description.	2024-02-18

Summary of 5G NR Power Spot Check

Test Item	Mode	Worst Mode Test Result		Deviation (dB)	Limit (dB)
		IHDT56AQ5	IHDT56AQ6		
Conducted Power	n5	23.20	23.28	-0.08	3
	n41	23.78	23.71	0.07	3
	n66A	23.72	23.46	0.26	3
	n77 (3700-3980)	26.43	23.93	2.50	3
	n78 (3700-3800)	26.23	23.93	2.30	3

Effective Isotropic Radiated Power for n77 (3700-3980)

SCS	Bandwidth	Channel	Modulation	Conducted Result (dBm)			Max EIRP (dBm)	Limit (dBm)	Verdict
				Inner_1RB_Left	Inner_1RB_Right	Inner_Full			
30KHz	10MHz	LCH	DFT-Pi2BPSK	23.18	23.32	23.39	19.09	30.00	Pass
30KHz	10MHz	LCH	DFT-QPSK	23.16	23.25	23.27	18.97	30.00	Pass
30KHz	10MHz	LCH	DFT-16QAM	22.20	22.27	22.32	18.02	30.00	Pass
30KHz	10MHz	LCH	DFT-64QAM	20.84	20.90	20.86	16.60	30.00	Pass
30KHz	10MHz	LCH	DFT-256QAM	18.75	18.83	18.81	14.53	30.00	Pass
30KHz	10MHz	LCH	CP-QPSK	21.78	21.81	21.80	17.51	30.00	Pass
30KHz	10MHz	MCH	DFT-Pi2BPSK	23.49	23.66	23.62	19.36	30.00	Pass
30KHz	10MHz	MCH	DFT-QPSK	23.51	23.57	23.62	19.32	30.00	Pass
30KHz	10MHz	MCH	DFT-16QAM	22.55	22.60	22.47	18.30	30.00	Pass
30KHz	10MHz	MCH	DFT-64QAM	21.13	21.24	21.15	16.94	30.00	Pass
30KHz	10MHz	MCH	DFT-256QAM	19.10	19.23	19.12	14.93	30.00	Pass
30KHz	10MHz	MCH	CP-QPSK	21.98	22.09	22.11	17.81	30.00	Pass
30KHz	10MHz	HCH	DFT-Pi2BPSK	23.72	23.71	23.73	19.43	30.00	Pass
30KHz	10MHz	HCH	DFT-QPSK	23.69	23.74	23.76	19.46	30.00	Pass
30KHz	10MHz	HCH	DFT-16QAM	22.76	22.73	22.70	18.46	30.00	Pass
30KHz	10MHz	HCH	DFT-64QAM	21.27	21.31	21.26	17.01	30.00	Pass
30KHz	10MHz	HCH	DFT-256QAM	19.21	19.24	19.21	14.94	30.00	Pass
30KHz	10MHz	HCH	CP-QPSK	22.19	22.20	22.27	17.97	30.00	Pass
30KHz	15MHz	LCH	DFT-Pi2BPSK	23.38	23.46	23.42	19.16	30.00	Pass
30KHz	15MHz	LCH	DFT-QPSK	23.44	23.42	23.37	19.14	30.00	Pass
30KHz	15MHz	LCH	DFT-16QAM	22.42	22.42	22.54	18.24	30.00	Pass
30KHz	15MHz	LCH	DFT-64QAM	20.96	20.98	20.99	16.69	30.00	Pass
30KHz	15MHz	LCH	DFT-256QAM	18.91	18.95	19.06	14.76	30.00	Pass
30KHz	15MHz	LCH	CP-QPSK	21.97	22.01	21.94	17.71	30.00	Pass
30KHz	15MHz	MCH	DFT-Pi2BPSK	23.64	23.86	23.76	19.56	30.00	Pass
30KHz	15MHz	MCH	DFT-QPSK	23.61	23.79	23.76	19.49	30.00	Pass
30KHz	15MHz	MCH	DFT-16QAM	22.70	22.90	22.73	18.60	30.00	Pass
30KHz	15MHz	MCH	DFT-64QAM	21.25	21.43	21.24	17.13	30.00	Pass
30KHz	15MHz	MCH	DFT-256QAM	19.15	19.39	19.29	15.09	30.00	Pass
30KHz	15MHz	MCH	CP-QPSK	22.06	22.37	22.30	18.07	30.00	Pass
30KHz	15MHz	HCH	DFT-Pi2BPSK	23.77	23.92	23.86	19.62	30.00	Pass
30KHz	15MHz	HCH	DFT-QPSK	23.76	23.91	23.80	19.61	30.00	Pass
30KHz	15MHz	HCH	DFT-16QAM	22.81	22.85	22.78	18.55	30.00	Pass
30KHz	15MHz	HCH	DFT-64QAM	21.27	21.37	21.26	17.07	30.00	Pass
30KHz	15MHz	HCH	DFT-256QAM	19.27	19.37	19.36	15.07	30.00	Pass
30KHz	15MHz	HCH	CP-QPSK	22.36	22.30	22.35	18.06	30.00	Pass
30KHz	20MHz	LCH	DFT-Pi2BPSK	23.39	23.40	23.43	19.13	30.00	Pass
30KHz	20MHz	LCH	DFT-QPSK	23.34	23.38	23.44	19.14	30.00	Pass
30KHz	20MHz	LCH	DFT-16QAM	22.50	22.54	22.48	18.24	30.00	Pass
30KHz	20MHz	LCH	DFT-64QAM	21.01	21.05	20.90	16.75	30.00	Pass
30KHz	20MHz	LCH	DFT-256QAM	18.96	19.06	18.90	14.76	30.00	Pass
30KHz	20MHz	LCH	CP-QPSK	21.85	21.89	21.89	17.59	30.00	Pass

30KHz	20MHz	MCH	DFT-Pi2BPSK	23.59	23.86	23.81	19.56	30.00	Pass
30KHz	20MHz	MCH	DFT-QPSK	23.65	23.88	23.79	19.58	30.00	Pass
30KHz	20MHz	MCH	DFT-16QAM	22.60	22.96	22.75	18.66	30.00	Pass
30KHz	20MHz	MCH	DFT-64QAM	21.16	21.45	21.25	17.15	30.00	Pass
30KHz	20MHz	MCH	DFT-256QAM	19.19	19.44	19.27	15.14	30.00	Pass
30KHz	20MHz	MCH	CP-QPSK	22.09	22.36	22.31	18.06	30.00	Pass
30KHz	20MHz	HCH	DFT-Pi2BPSK	23.80	23.91	23.76	19.61	30.00	Pass
30KHz	20MHz	HCH	DFT-QPSK	23.73	23.90	23.82	19.60	30.00	Pass
30KHz	20MHz	HCH	DFT-16QAM	22.82	22.96	22.81	18.66	30.00	Pass
30KHz	20MHz	HCH	DFT-64QAM	21.36	21.49	21.30	17.19	30.00	Pass
30KHz	20MHz	HCH	DFT-256QAM	19.28	19.50	19.29	15.20	30.00	Pass
30KHz	20MHz	HCH	CP-QPSK	22.30	22.47	22.30	18.17	30.00	Pass
30KHz	30MHz	LCH	DFT-Pi2BPSK	23.44	23.55	23.60	19.30	30.00	Pass
30KHz	30MHz	LCH	DFT-QPSK	23.49	23.60	23.55	19.30	30.00	Pass
30KHz	30MHz	LCH	DFT-16QAM	22.41	22.71	22.48	18.41	30.00	Pass
30KHz	30MHz	LCH	DFT-64QAM	21.09	21.21	21.05	16.91	30.00	Pass
30KHz	30MHz	LCH	DFT-256QAM	18.88	19.07	19.08	14.78	30.00	Pass
30KHz	30MHz	LCH	CP-QPSK	22.04	22.16	22.06	17.86	30.00	Pass
30KHz	30MHz	MCH	DFT-Pi2BPSK	23.70	23.91	23.77	19.61	30.00	Pass
30KHz	30MHz	MCH	DFT-QPSK	23.61	23.93	23.77	19.63	30.00	Pass
30KHz	30MHz	MCH	DFT-16QAM	22.66	22.95	22.72	18.65	30.00	Pass
30KHz	30MHz	MCH	DFT-64QAM	21.22	21.48	21.18	17.18	30.00	Pass
30KHz	30MHz	MCH	DFT-256QAM	19.19	19.48	19.23	15.18	30.00	Pass
30KHz	30MHz	MCH	CP-QPSK	22.23	22.39	22.31	18.09	30.00	Pass
30KHz	30MHz	HCH	DFT-Pi2BPSK	23.92	23.89	23.84	19.62	30.00	Pass
30KHz	30MHz	HCH	DFT-QPSK	23.91	23.84	23.81	19.61	30.00	Pass
30KHz	30MHz	HCH	DFT-16QAM	22.85	22.89	22.78	18.59	30.00	Pass
30KHz	30MHz	HCH	DFT-64QAM	21.46	21.47	21.28	17.17	30.00	Pass
30KHz	30MHz	HCH	DFT-256QAM	19.43	19.39	19.27	15.13	30.00	Pass
30KHz	30MHz	HCH	CP-QPSK	22.45	22.31	22.34	18.15	30.00	Pass
30KHz	40MHz	LCH	DFT-Pi2BPSK	23.56	23.65	23.51	19.35	30.00	Pass
30KHz	40MHz	LCH	DFT-QPSK	23.60	23.61	23.59	19.31	30.00	Pass
30KHz	40MHz	LCH	DFT-16QAM	22.67	22.74	22.58	18.44	30.00	Pass
30KHz	40MHz	LCH	DFT-64QAM	21.02	21.12	20.99	16.82	30.00	Pass
30KHz	40MHz	LCH	DFT-256QAM	19.17	19.26	19.01	14.96	30.00	Pass
30KHz	40MHz	LCH	CP-QPSK	22.14	22.17	22.09	17.87	30.00	Pass
30KHz	40MHz	MCH	DFT-Pi2BPSK	23.85	23.92	23.78	19.62	30.00	Pass
30KHz	40MHz	MCH	DFT-QPSK	23.77	23.91	23.73	19.61	30.00	Pass
30KHz	40MHz	MCH	DFT-16QAM	22.77	22.99	22.80	18.69	30.00	Pass
30KHz	40MHz	MCH	DFT-64QAM	21.40	21.50	21.23	17.20	30.00	Pass
30KHz	40MHz	MCH	DFT-256QAM	19.33	19.41	19.33	15.11	30.00	Pass
30KHz	40MHz	MCH	CP-QPSK	22.27	22.50	22.29	18.20	30.00	Pass
30KHz	40MHz	HCH	DFT-Pi2BPSK	23.92	23.91	23.93	19.63	30.00	Pass
30KHz	40MHz	HCH	DFT-QPSK	23.91	23.91	23.89	19.61	30.00	Pass
30KHz	40MHz	HCH	DFT-16QAM	22.93	22.89	22.91	18.63	30.00	Pass
30KHz	40MHz	HCH	DFT-64QAM	21.44	21.48	21.39	17.18	30.00	Pass
30KHz	40MHz	HCH	DFT-256QAM	19.44	19.46	19.42	15.16	30.00	Pass
30KHz	40MHz	HCH	CP-QPSK	22.49	22.47	22.45	18.19	30.00	Pass
30KHz	50MHz	LCH	DFT-Pi2BPSK	23.28	23.31	23.37	19.07	30.00	Pass
30KHz	50MHz	LCH	DFT-QPSK	23.19	23.31	23.35	19.05	30.00	Pass
30KHz	50MHz	LCH	DFT-16QAM	22.29	22.37	22.37	18.07	30.00	Pass
30KHz	50MHz	LCH	DFT-64QAM	20.75	20.86	20.93	16.63	30.00	Pass
30KHz	50MHz	LCH	DFT-256QAM	18.85	18.97	18.82	14.67	30.00	Pass
30KHz	50MHz	LCH	CP-QPSK	21.83	21.89	21.91	17.61	30.00	Pass
30KHz	50MHz	MCH	DFT-Pi2BPSK	23.64	23.93	23.52	19.63	30.00	Pass
30KHz	50MHz	MCH	DFT-QPSK	23.55	23.83	23.64	19.53	30.00	Pass
30KHz	50MHz	MCH	DFT-16QAM	22.58	22.84	22.54	18.54	30.00	Pass
30KHz	50MHz	MCH	DFT-64QAM	21.11	21.33	21.08	17.03	30.00	Pass
30KHz	50MHz	MCH	DFT-256QAM	19.09	19.41	19.01	15.11	30.00	Pass
30KHz	50MHz	MCH	CP-QPSK	22.07	22.27	22.10	17.97	30.00	Pass
30KHz	50MHz	HCH	DFT-Pi2BPSK	23.85	23.73	23.65	19.55	30.00	Pass
30KHz	50MHz	HCH	DFT-QPSK	23.76	23.69	23.69	19.46	30.00	Pass
30KHz	50MHz	HCH	DFT-16QAM	22.88	22.82	22.63	18.58	30.00	Pass

30KHz	50MHz	HCH	DFT-64QAM	21.36	21.24	21.24	17.06	30.00	Pass
30KHz	50MHz	HCH	DFT-256QAM	19.26	19.18	19.08	14.96	30.00	Pass
30KHz	50MHz	HCH	CP-QPSK	22.32	22.32	22.09	18.02	30.00	Pass
30KHz	60MHz	LCH	DFT-Pi2BPSK	23.20	23.33	23.34	19.04	30.00	Pass
30KHz	60MHz	LCH	DFT-QPSK	23.20	23.38	23.39	19.09	30.00	Pass
30KHz	60MHz	LCH	DFT-16QAM	22.19	22.33	22.32	18.03	30.00	Pass
30KHz	60MHz	LCH	DFT-64QAM	20.79	20.91	20.88	16.61	30.00	Pass
30KHz	60MHz	LCH	DFT-256QAM	18.83	18.93	18.83	14.63	30.00	Pass
30KHz	60MHz	LCH	CP-QPSK	21.78	21.85	21.90	17.60	30.00	Pass
30KHz	60MHz	MCH	DFT-Pi2BPSK	23.60	23.85	23.53	19.55	30.00	Pass
30KHz	60MHz	MCH	DFT-QPSK	23.50	23.79	23.55	19.49	30.00	Pass
30KHz	60MHz	MCH	DFT-16QAM	22.48	22.80	22.64	18.50	30.00	Pass
30KHz	60MHz	MCH	DFT-64QAM	21.02	21.24	21.09	16.94	30.00	Pass
30KHz	60MHz	MCH	DFT-256QAM	19.24	19.17	19.08	14.94	30.00	Pass
30KHz	60MHz	MCH	CP-QPSK	22.09	22.28	22.07	17.98	30.00	Pass
30KHz	60MHz	HCH	DFT-Pi2BPSK	23.72	23.69	23.60	19.42	30.00	Pass
30KHz	60MHz	HCH	DFT-QPSK	23.68	23.57	23.63	19.38	30.00	Pass
30KHz	60MHz	HCH	DFT-16QAM	22.66	22.65	22.57	18.36	30.00	Pass
30KHz	60MHz	HCH	DFT-64QAM	21.32	21.25	21.13	17.02	30.00	Pass
30KHz	60MHz	HCH	DFT-256QAM	19.33	19.04	19.15	15.03	30.00	Pass
30KHz	60MHz	HCH	CP-QPSK	22.31	22.13	22.08	18.01	30.00	Pass
30KHz	70MHz	LCH	DFT-Pi2BPSK	23.02	23.26	23.25	18.96	30.00	Pass
30KHz	70MHz	LCH	DFT-QPSK	23.12	23.20	23.23	18.93	30.00	Pass
30KHz	70MHz	LCH	DFT-16QAM	22.10	22.27	22.20	17.97	30.00	Pass
30KHz	70MHz	LCH	DFT-64QAM	20.66	20.80	20.79	16.50	30.00	Pass
30KHz	70MHz	LCH	DFT-256QAM	18.63	18.84	18.74	14.54	30.00	Pass
30KHz	70MHz	LCH	CP-QPSK	21.67	21.82	21.70	17.52	30.00	Pass
30KHz	70MHz	MCH	DFT-Pi2BPSK	23.55	23.54	23.39	19.25	30.00	Pass
30KHz	70MHz	MCH	DFT-QPSK	23.47	23.52	23.42	19.22	30.00	Pass
30KHz	70MHz	MCH	DFT-16QAM	22.45	22.46	22.50	18.20	30.00	Pass
30KHz	70MHz	MCH	DFT-64QAM	20.95	21.08	20.97	16.78	30.00	Pass
30KHz	70MHz	MCH	DFT-256QAM	18.93	19.19	18.92	14.89	30.00	Pass
30KHz	70MHz	MCH	CP-QPSK	21.84	22.02	21.98	17.72	30.00	Pass
30KHz	70MHz	HCH	DFT-Pi2BPSK	23.52	23.58	23.65	19.35	30.00	Pass
30KHz	70MHz	HCH	DFT-QPSK	23.47	23.54	23.62	19.32	30.00	Pass
30KHz	70MHz	HCH	DFT-16QAM	22.51	22.57	22.65	18.35	30.00	Pass
30KHz	70MHz	HCH	DFT-64QAM	21.05	21.17	21.19	16.89	30.00	Pass
30KHz	70MHz	HCH	DFT-256QAM	19.00	19.03	19.12	14.82	30.00	Pass
30KHz	70MHz	HCH	CP-QPSK	21.98	22.16	22.17	17.87	30.00	Pass
30KHz	80MHz	LCH	DFT-Pi2BPSK	23.02	23.43	23.27	19.13	30.00	Pass
30KHz	80MHz	LCH	DFT-QPSK	23.00	23.35	23.24	19.05	30.00	Pass
30KHz	80MHz	LCH	DFT-16QAM	22.09	22.45	22.21	18.15	30.00	Pass
30KHz	80MHz	LCH	DFT-64QAM	20.60	20.98	20.77	16.68	30.00	Pass
30KHz	80MHz	LCH	DFT-256QAM	18.60	18.96	18.72	14.66	30.00	Pass
30KHz	80MHz	LCH	CP-QPSK	21.63	21.92	21.76	17.62	30.00	Pass
30KHz	80MHz	MCH	DFT-Pi2BPSK	23.53	23.54	23.43	19.24	30.00	Pass
30KHz	80MHz	MCH	DFT-QPSK	23.41	23.48	23.36	19.18	30.00	Pass
30KHz	80MHz	MCH	DFT-16QAM	22.34	22.42	22.43	18.13	30.00	Pass
30KHz	80MHz	MCH	DFT-64QAM	20.97	21.03	20.94	16.73	30.00	Pass
30KHz	80MHz	MCH	DFT-256QAM	18.89	19.09	18.98	14.79	30.00	Pass
30KHz	80MHz	MCH	CP-QPSK	21.93	22.01	21.88	17.71	30.00	Pass
30KHz	80MHz	HCH	DFT-Pi2BPSK	23.25	23.52	23.67	19.37	30.00	Pass
30KHz	80MHz	HCH	DFT-QPSK	23.27	23.53	23.56	19.26	30.00	Pass
30KHz	80MHz	HCH	DFT-16QAM	22.23	22.47	22.58	18.28	30.00	Pass
30KHz	80MHz	HCH	DFT-64QAM	20.83	21.07	21.03	16.77	30.00	Pass
30KHz	80MHz	HCH	DFT-256QAM	18.77	19.04	19.10	14.80	30.00	Pass
30KHz	80MHz	HCH	CP-QPSK	21.71	21.98	22.00	17.70	30.00	Pass
30KHz	90MHz	LCH	DFT-Pi2BPSK	23.05	23.67	23.34	19.37	30.00	Pass
30KHz	90MHz	LCH	DFT-QPSK	23.00	23.68	23.20	19.38	30.00	Pass
30KHz	90MHz	LCH	DFT-16QAM	22.13	22.59	22.25	18.29	30.00	Pass
30KHz	90MHz	LCH	DFT-64QAM	20.65	21.14	20.70	16.84	30.00	Pass
30KHz	90MHz	LCH	DFT-256QAM	18.58	19.07	18.77	14.77	30.00	Pass
30KHz	90MHz	LCH	CP-QPSK	21.63	22.09	21.76	17.79	30.00	Pass

30KHz	90MHz	MCH	DFT-Pi2BPSK	23.49	23.49	23.44	19.19	30.00	Pass
30KHz	90MHz	MCH	DFT-QPSK	23.46	23.57	23.40	19.27	30.00	Pass
30KHz	90MHz	MCH	DFT-16QAM	22.29	22.51	22.48	18.21	30.00	Pass
30KHz	90MHz	MCH	DFT-64QAM	20.96	21.15	20.93	16.85	30.00	Pass
30KHz	90MHz	MCH	DFT-256QAM	18.87	19.12	18.91	14.82	30.00	Pass
30KHz	90MHz	MCH	CP-QPSK	21.87	22.05	21.94	17.75	30.00	Pass
30KHz	90MHz	HCH	DFT-Pi2BPSK	23.09	23.60	23.48	19.30	30.00	Pass
30KHz	90MHz	HCH	DFT-QPSK	23.09	23.53	23.61	19.31	30.00	Pass
30KHz	90MHz	HCH	DFT-16QAM	22.15	22.50	22.53	18.23	30.00	Pass
30KHz	90MHz	HCH	DFT-64QAM	20.73	21.01	21.00	16.71	30.00	Pass
30KHz	90MHz	HCH	DFT-256QAM	18.70	19.08	19.00	14.78	30.00	Pass
30KHz	90MHz	HCH	CP-QPSK	21.67	22.02	22.09	17.79	30.00	Pass
30KHz	100MHz	LCH	DFT-Pi2BPSK	22.91	23.65	23.25	19.35	30.00	Pass
30KHz	100MHz	LCH	DFT-QPSK	22.97	23.58	23.17	19.28	30.00	Pass
30KHz	100MHz	LCH	DFT-16QAM	22.08	22.72	22.19	18.42	30.00	Pass
30KHz	100MHz	LCH	DFT-64QAM	20.52	21.26	20.75	16.96	30.00	Pass
30KHz	100MHz	LCH	DFT-256QAM	18.55	19.21	18.72	14.91	30.00	Pass
30KHz	100MHz	LCH	CP-QPSK	21.58	22.18	21.73	17.88	30.00	Pass
30KHz	100MHz	MCH	DFT-Pi2BPSK	23.51	23.55	23.49	19.25	30.00	Pass
30KHz	100MHz	MCH	DFT-QPSK	23.38	23.60	23.39	19.30	30.00	Pass
30KHz	100MHz	MCH	DFT-16QAM	22.45	22.59	22.38	18.29	30.00	Pass
30KHz	100MHz	MCH	DFT-64QAM	20.90	21.09	20.97	16.79	30.00	Pass
30KHz	100MHz	MCH	DFT-256QAM	18.90	19.09	18.91	14.79	30.00	Pass
30KHz	100MHz	MCH	CP-QPSK	21.84	22.11	21.95	17.81	30.00	Pass
30KHz	100MHz	HCH	DFT-Pi2BPSK	23.15	23.67	23.59	19.37	30.00	Pass
30KHz	100MHz	HCH	DFT-QPSK	23.17	23.59	23.60	19.30	30.00	Pass
30KHz	100MHz	HCH	DFT-16QAM	22.25	22.65	22.61	18.35	30.00	Pass
30KHz	100MHz	HCH	DFT-64QAM	20.76	21.16	21.03	16.86	30.00	Pass
30KHz	100MHz	HCH	DFT-256QAM	18.81	19.06	19.07	14.77	30.00	Pass
30KHz	100MHz	HCH	CP-QPSK	21.75	22.12	22.07	17.82	30.00	Pass

Effective Isotropic Radiated Power for n78 (3700-3800)

SCS	Bandwidth	Channel	Modulation	Conducted Result (dBm)			Max EIRP (dBm)	Limit (dBm)	Verdict
				Inner_1RB_Left	Inner_1RB_Right	Inner_Full			
30KHz	10MHz	LCH	DFT-Pi2BPSK	23.28	23.32	23.35	18.85	30.00	Pass
30KHz	10MHz	LCH	DFT-QPSK	23.22	23.30	23.30	18.80	30.00	Pass
30KHz	10MHz	LCH	DFT-16QAM	22.32	22.37	22.28	17.87	30.00	Pass
30KHz	10MHz	LCH	DFT-64QAM	20.91	20.91	20.88	16.41	30.00	Pass
30KHz	10MHz	LCH	DFT-256QAM	18.75	18.80	18.88	14.38	30.00	Pass
30KHz	10MHz	LCH	CP-QPSK	21.78	21.89	21.92	17.42	30.00	Pass
30KHz	10MHz	MCH	DFT-Pi2BPSK	23.23	23.35	23.36	18.86	30.00	Pass
30KHz	10MHz	MCH	DFT-QPSK	23.26	23.33	23.39	18.89	30.00	Pass
30KHz	10MHz	MCH	DFT-16QAM	22.38	22.37	22.31	17.88	30.00	Pass
30KHz	10MHz	MCH	DFT-64QAM	20.92	20.96	20.89	16.46	30.00	Pass
30KHz	10MHz	MCH	DFT-256QAM	18.89	18.95	18.87	14.45	30.00	Pass
30KHz	10MHz	MCH	CP-QPSK	21.96	21.95	21.88	17.46	30.00	Pass
30KHz	10MHz	HCH	DFT-Pi2BPSK	23.57	23.57	23.57	19.07	30.00	Pass
30KHz	10MHz	HCH	DFT-QPSK	23.47	23.56	23.59	19.09	30.00	Pass
30KHz	10MHz	HCH	DFT-16QAM	22.47	22.65	22.55	18.15	30.00	Pass
30KHz	10MHz	HCH	DFT-64QAM	21.13	21.17	21.06	16.67	30.00	Pass
30KHz	10MHz	HCH	DFT-256QAM	19.09	19.09	19.08	14.59	30.00	Pass
30KHz	10MHz	HCH	CP-QPSK	21.99	22.00	22.15	17.65	30.00	Pass
30KHz	15MHz	LCH	DFT-Pi2BPSK	23.40	23.52	23.48	19.02	30.00	Pass
30KHz	15MHz	LCH	DFT-QPSK	23.42	23.47	23.39	18.97	30.00	Pass
30KHz	15MHz	LCH	DFT-16QAM	22.45	22.45	22.51	18.01	30.00	Pass
30KHz	15MHz	LCH	DFT-64QAM	21.00	21.04	20.96	16.54	30.00	Pass
30KHz	15MHz	LCH	DFT-256QAM	19.01	19.07	18.94	14.57	30.00	Pass
30KHz	15MHz	LCH	CP-QPSK	22.05	22.07	21.90	17.57	30.00	Pass
30KHz	15MHz	MCH	DFT-Pi2BPSK	23.50	23.42	23.49	19.00	30.00	Pass
30KHz	15MHz	MCH	DFT-QPSK	23.44	23.46	23.52	19.02	30.00	Pass
30KHz	15MHz	MCH	DFT-16QAM	22.51	22.70	22.49	18.20	30.00	Pass

30KHz	15MHz	MCH	DFT-64QAM	21.18	21.26	20.98	16.76	30.00	Pass
30KHz	15MHz	MCH	DFT-256QAM	19.06	19.07	19.04	14.57	30.00	Pass
30KHz	15MHz	MCH	CP-QPSK	21.99	22.03	21.98	17.53	30.00	Pass
30KHz	15MHz	HCH	DFT-Pi2BPSK	23.54	23.68	23.51	19.18	30.00	Pass
30KHz	15MHz	HCH	DFT-QPSK	23.59	23.65	23.59	19.15	30.00	Pass
30KHz	15MHz	HCH	DFT-16QAM	22.70	22.73	22.58	18.23	30.00	Pass
30KHz	15MHz	HCH	DFT-64QAM	21.03	21.22	21.03	16.72	30.00	Pass
30KHz	15MHz	HCH	DFT-256QAM	19.11	19.25	19.15	14.75	30.00	Pass
30KHz	15MHz	HCH	CP-QPSK	22.07	22.20	22.08	17.70	30.00	Pass
30KHz	20MHz	LCH	DFT-Pi2BPSK	23.40	23.48	23.44	18.98	30.00	Pass
30KHz	20MHz	LCH	DFT-QPSK	23.40	23.38	23.51	19.01	30.00	Pass
30KHz	20MHz	LCH	DFT-16QAM	22.42	22.47	22.50	18.00	30.00	Pass
30KHz	20MHz	LCH	DFT-64QAM	20.98	20.95	20.94	16.48	30.00	Pass
30KHz	20MHz	LCH	DFT-256QAM	18.91	19.02	18.93	14.52	30.00	Pass
30KHz	20MHz	LCH	CP-QPSK	21.86	21.96	21.96	17.46	30.00	Pass
30KHz	20MHz	MCH	DFT-Pi2BPSK	23.51	23.52	23.46	19.02	30.00	Pass
30KHz	20MHz	MCH	DFT-QPSK	23.52	23.46	23.48	19.02	30.00	Pass
30KHz	20MHz	MCH	DFT-16QAM	22.58	22.43	22.53	18.08	30.00	Pass
30KHz	20MHz	MCH	DFT-64QAM	21.04	21.12	21.07	16.62	30.00	Pass
30KHz	20MHz	MCH	DFT-256QAM	19.13	19.11	18.93	14.63	30.00	Pass
30KHz	20MHz	MCH	CP-QPSK	21.95	22.05	22.00	17.55	30.00	Pass
30KHz	20MHz	HCH	DFT-Pi2BPSK	23.44	23.68	23.63	19.18	30.00	Pass
30KHz	20MHz	HCH	DFT-QPSK	23.54	23.68	23.48	19.18	30.00	Pass
30KHz	20MHz	HCH	DFT-16QAM	22.49	22.68	22.62	18.18	30.00	Pass
30KHz	20MHz	HCH	DFT-64QAM	21.06	21.32	21.08	16.82	30.00	Pass
30KHz	20MHz	HCH	DFT-256QAM	19.12	19.29	19.07	14.79	30.00	Pass
30KHz	20MHz	HCH	CP-QPSK	22.15	22.26	22.08	17.76	30.00	Pass
30KHz	30MHz	LCH	DFT-Pi2BPSK	23.29	23.65	23.45	19.15	30.00	Pass
30KHz	30MHz	LCH	DFT-QPSK	23.39	23.65	23.54	19.15	30.00	Pass
30KHz	30MHz	LCH	DFT-16QAM	22.46	22.68	22.56	18.18	30.00	Pass
30KHz	30MHz	LCH	DFT-64QAM	21.00	21.19	21.08	16.69	30.00	Pass
30KHz	30MHz	LCH	DFT-256QAM	19.06	19.25	19.00	14.75	30.00	Pass
30KHz	30MHz	LCH	CP-QPSK	22.01	22.14	22.07	17.64	30.00	Pass
30KHz	30MHz	MCH	DFT-Pi2BPSK	23.71	23.61	23.63	19.21	30.00	Pass
30KHz	30MHz	MCH	DFT-QPSK	23.62	23.53	23.52	19.12	30.00	Pass
30KHz	30MHz	MCH	DFT-16QAM	22.76	22.72	22.55	18.26	30.00	Pass
30KHz	30MHz	MCH	DFT-64QAM	21.14	21.22	21.06	16.72	30.00	Pass
30KHz	30MHz	MCH	DFT-256QAM	19.22	19.19	19.11	14.72	30.00	Pass
30KHz	30MHz	MCH	CP-QPSK	22.18	22.21	22.02	17.71	30.00	Pass
30KHz	30MHz	HCH	DFT-Pi2BPSK	23.48	23.71	23.58	19.21	30.00	Pass
30KHz	30MHz	HCH	DFT-QPSK	23.44	23.75	23.69	19.25	30.00	Pass
30KHz	30MHz	HCH	DFT-16QAM	22.55	22.75	22.66	18.25	30.00	Pass
30KHz	30MHz	HCH	DFT-64QAM	21.07	21.29	21.11	16.79	30.00	Pass
30KHz	30MHz	HCH	DFT-256QAM	19.01	19.28	19.17	14.78	30.00	Pass
30KHz	30MHz	HCH	CP-QPSK	21.99	22.31	22.14	17.81	30.00	Pass
30KHz	40MHz	LCH	DFT-Pi2BPSK	23.56	23.75	23.56	19.25	30.00	Pass
30KHz	40MHz	LCH	DFT-QPSK	23.54	23.62	23.59	19.12	30.00	Pass
30KHz	40MHz	LCH	DFT-16QAM	22.74	22.91	22.59	18.41	30.00	Pass
30KHz	40MHz	LCH	DFT-64QAM	21.23	21.39	20.96	16.89	30.00	Pass
30KHz	40MHz	LCH	DFT-256QAM	19.10	19.36	19.14	14.86	30.00	Pass
30KHz	40MHz	LCH	CP-QPSK	22.07	22.22	22.13	17.72	30.00	Pass
30KHz	40MHz	MCH	DFT-Pi2BPSK	23.61	23.79	23.65	19.29	30.00	Pass
30KHz	40MHz	MCH	DFT-QPSK	23.62	23.70	23.68	19.20	30.00	Pass
30KHz	40MHz	MCH	DFT-16QAM	22.62	22.71	22.67	18.21	30.00	Pass
30KHz	40MHz	MCH	DFT-64QAM	21.20	21.34	21.03	16.84	30.00	Pass
30KHz	40MHz	MCH	DFT-256QAM	19.20	19.31	19.27	14.81	30.00	Pass
30KHz	40MHz	MCH	CP-QPSK	22.03	22.21	22.08	17.71	30.00	Pass
30KHz	40MHz	HCH	DFT-Pi2BPSK	23.58	23.91	23.65	19.41	30.00	Pass
30KHz	40MHz	HCH	DFT-QPSK	23.59	23.93	23.65	19.43	30.00	Pass
30KHz	40MHz	HCH	DFT-16QAM	22.65	22.84	22.62	18.34	30.00	Pass
30KHz	40MHz	HCH	DFT-64QAM	21.17	21.49	21.11	16.99	30.00	Pass
30KHz	40MHz	HCH	DFT-256QAM	19.20	19.41	19.20	14.91	30.00	Pass
30KHz	40MHz	HCH	CP-QPSK	22.14	22.39	22.07	17.89	30.00	Pass



30KHz	50MHz	LCH	DFT-Pi2BPSK	23.32	23.25	23.35	18.85	30.00	Pass
30KHz	50MHz	LCH	DFT-QPSK	23.33	23.42	23.35	18.92	30.00	Pass
30KHz	50MHz	LCH	DFT-16QAM	22.39	22.32	22.43	17.93	30.00	Pass
30KHz	50MHz	LCH	DFT-64QAM	20.83	20.90	20.94	16.44	30.00	Pass
30KHz	50MHz	LCH	DFT-256QAM	18.84	18.94	18.85	14.44	30.00	Pass
30KHz	50MHz	LCH	CP-QPSK	21.85	21.93	21.85	17.43	30.00	Pass
30KHz	50MHz	MCH	DFT-Pi2BPSK	23.23	23.48	23.34	18.98	30.00	Pass
30KHz	50MHz	MCH	DFT-QPSK	23.19	23.38	23.45	18.95	30.00	Pass
30KHz	50MHz	MCH	DFT-16QAM	22.22	22.45	22.38	17.95	30.00	Pass
30KHz	50MHz	MCH	DFT-64QAM	20.86	20.99	20.95	16.49	30.00	Pass
30KHz	50MHz	MCH	DFT-256QAM	18.84	18.94	18.84	14.44	30.00	Pass
30KHz	50MHz	MCH	CP-QPSK	21.81	21.90	21.88	17.40	30.00	Pass
30KHz	50MHz	HCH	DFT-Pi2BPSK	23.19	23.46	23.40	18.96	30.00	Pass
30KHz	50MHz	HCH	DFT-QPSK	23.14	23.42	23.40	18.92	30.00	Pass
30KHz	50MHz	HCH	DFT-16QAM	22.27	22.53	22.42	18.03	30.00	Pass
30KHz	50MHz	HCH	DFT-64QAM	20.73	21.10	20.93	16.60	30.00	Pass
30KHz	50MHz	HCH	DFT-256QAM	18.86	19.00	18.92	14.50	30.00	Pass
30KHz	50MHz	HCH	CP-QPSK	21.83	21.99	21.92	17.49	30.00	Pass
30KHz	60MHz	LCH	DFT-Pi2BPSK	23.22	23.46	23.39	18.96	30.00	Pass
30KHz	60MHz	LCH	DFT-QPSK	23.16	23.42	23.39	18.92	30.00	Pass
30KHz	60MHz	LCH	DFT-16QAM	22.24	22.49	22.38	17.99	30.00	Pass
30KHz	60MHz	LCH	DFT-64QAM	20.81	20.98	20.83	16.48	30.00	Pass
30KHz	60MHz	LCH	DFT-256QAM	18.68	18.95	18.83	14.45	30.00	Pass
30KHz	60MHz	LCH	CP-QPSK	21.72	21.92	21.95	17.45	30.00	Pass
30KHz	60MHz	MCH	DFT-Pi2BPSK	23.17	23.57	23.43	19.07	30.00	Pass
30KHz	60MHz	MCH	DFT-QPSK	23.18	23.49	23.36	18.99	30.00	Pass
30KHz	60MHz	MCH	DFT-16QAM	22.26	22.59	22.41	18.09	30.00	Pass
30KHz	60MHz	MCH	DFT-64QAM	20.68	21.12	20.87	16.62	30.00	Pass
30KHz	60MHz	MCH	DFT-256QAM	18.68	19.01	18.90	14.51	30.00	Pass
30KHz	60MHz	MCH	CP-QPSK	21.69	22.02	21.90	17.52	30.00	Pass
30KHz	60MHz	HCH	DFT-Pi2BPSK	23.12	23.58	23.43	19.08	30.00	Pass
30KHz	60MHz	HCH	DFT-QPSK	23.10	23.55	23.41	19.05	30.00	Pass
30KHz	60MHz	HCH	DFT-16QAM	22.23	22.64	22.39	18.14	30.00	Pass
30KHz	60MHz	HCH	DFT-64QAM	20.74	21.03	20.91	16.53	30.00	Pass
30KHz	60MHz	HCH	DFT-256QAM	18.79	19.15	18.89	14.65	30.00	Pass
30KHz	60MHz	HCH	CP-QPSK	21.81	22.11	21.87	17.61	30.00	Pass
30KHz	70MHz	LCH	DFT-Pi2BPSK	22.99	23.20	23.23	18.73	30.00	Pass
30KHz	70MHz	LCH	DFT-QPSK	22.99	23.20	23.20	18.70	30.00	Pass
30KHz	70MHz	LCH	DFT-16QAM	22.15	22.31	22.22	17.81	30.00	Pass
30KHz	70MHz	LCH	DFT-64QAM	20.63	20.83	20.82	16.33	30.00	Pass
30KHz	70MHz	LCH	DFT-256QAM	18.66	18.83	18.80	14.33	30.00	Pass
30KHz	70MHz	LCH	CP-QPSK	21.64	21.87	21.78	17.37	30.00	Pass
30KHz	70MHz	MCH	DFT-Pi2BPSK	23.13	23.33	23.22	18.83	30.00	Pass
30KHz	70MHz	MCH	DFT-QPSK	23.03	23.44	23.19	18.94	30.00	Pass
30KHz	70MHz	MCH	DFT-16QAM	22.15	22.43	22.24	17.93	30.00	Pass
30KHz	70MHz	MCH	DFT-64QAM	20.66	20.95	20.73	16.45	30.00	Pass
30KHz	70MHz	MCH	DFT-256QAM	18.58	19.06	18.77	14.56	30.00	Pass
30KHz	70MHz	MCH	CP-QPSK	21.57	22.07	21.76	17.57	30.00	Pass
30KHz	70MHz	HCH	DFT-Pi2BPSK	23.17	23.58	23.22	19.08	30.00	Pass
30KHz	70MHz	HCH	DFT-QPSK	23.14	23.55	23.26	19.05	30.00	Pass
30KHz	70MHz	HCH	DFT-16QAM	22.17	22.54	22.29	18.04	30.00	Pass
30KHz	70MHz	HCH	DFT-64QAM	20.67	21.17	20.77	16.67	30.00	Pass
30KHz	70MHz	HCH	DFT-256QAM	18.71	19.04	18.76	14.54	30.00	Pass
30KHz	70MHz	HCH	CP-QPSK	21.68	22.07	21.80	17.57	30.00	Pass
30KHz	80MHz	LCH	DFT-Pi2BPSK	23.01	23.42	23.26	18.92	30.00	Pass
30KHz	80MHz	LCH	DFT-QPSK	23.00	23.45	23.24	18.95	30.00	Pass
30KHz	80MHz	LCH	DFT-16QAM	22.06	22.46	22.28	17.96	30.00	Pass
30KHz	80MHz	LCH	DFT-64QAM	20.66	20.88	20.77	16.38	30.00	Pass
30KHz	80MHz	LCH	DFT-256QAM	18.68	19.04	18.75	14.54	30.00	Pass
30KHz	80MHz	LCH	CP-QPSK	21.63	21.99	21.71	17.49	30.00	Pass
30KHz	80MHz	MCH	DFT-Pi2BPSK	22.97	23.54	23.23	19.04	30.00	Pass
30KHz	80MHz	MCH	DFT-QPSK	23.09	23.52	23.22	19.02	30.00	Pass
30KHz	80MHz	MCH	DFT-16QAM	22.15	22.62	22.26	18.12	30.00	Pass

30KHz	80MHz	MCH	DFT-64QAM	20.63	20.98	20.80	16.48	30.00	Pass
30KHz	80MHz	MCH	DFT-256QAM	18.60	19.07	18.76	14.57	30.00	Pass
30KHz	80MHz	MCH	CP-QPSK	21.57	22.02	21.72	17.52	30.00	Pass
30KHz	80MHz	HCH	DFT-Pi2BPSK	23.11	23.55	23.22	19.05	30.00	Pass
30KHz	80MHz	HCH	DFT-QPSK	23.03	23.51	23.20	19.01	30.00	Pass
30KHz	80MHz	HCH	DFT-16QAM	22.00	22.61	22.24	18.11	30.00	Pass
30KHz	80MHz	HCH	DFT-64QAM	20.62	21.06	20.70	16.56	30.00	Pass
30KHz	80MHz	HCH	DFT-256QAM	18.59	19.18	18.74	14.68	30.00	Pass
30KHz	80MHz	HCH	CP-QPSK	21.55	22.06	21.66	17.56	30.00	Pass
30KHz	90MHz	LCH	DFT-Pi2BPSK	23.08	23.68	23.24	19.18	30.00	Pass
30KHz	90MHz	LCH	DFT-QPSK	23.00	23.69	23.31	19.19	30.00	Pass
30KHz	90MHz	LCH	DFT-16QAM	22.05	22.63	22.35	18.13	30.00	Pass
30KHz	90MHz	LCH	DFT-64QAM	20.70	21.17	20.77	16.67	30.00	Pass
30KHz	90MHz	LCH	DFT-256QAM	18.68	19.22	18.80	14.72	30.00	Pass
30KHz	90MHz	LCH	CP-QPSK	21.68	22.25	21.83	17.75	30.00	Pass
30KHz	90MHz	MCH	DFT-Pi2BPSK	23.00	23.56	23.25	19.06	30.00	Pass
30KHz	90MHz	MCH	DFT-QPSK	22.93	23.56	23.30	19.06	30.00	Pass
30KHz	90MHz	MCH	DFT-16QAM	22.06	22.60	22.27	18.10	30.00	Pass
30KHz	90MHz	MCH	DFT-64QAM	20.60	21.05	20.72	16.55	30.00	Pass
30KHz	90MHz	MCH	DFT-256QAM	18.62	19.10	18.82	14.60	30.00	Pass
30KHz	90MHz	MCH	CP-QPSK	21.59	22.11	21.67	17.61	30.00	Pass
30KHz	90MHz	HCH	DFT-Pi2BPSK	23.03	23.59	23.26	19.09	30.00	Pass
30KHz	90MHz	HCH	DFT-QPSK	22.92	23.61	23.31	19.11	30.00	Pass
30KHz	90MHz	HCH	DFT-16QAM	22.04	22.67	22.21	18.17	30.00	Pass
30KHz	90MHz	HCH	DFT-64QAM	20.56	21.21	20.73	16.71	30.00	Pass
30KHz	90MHz	HCH	DFT-256QAM	18.54	19.06	18.73	14.56	30.00	Pass
30KHz	90MHz	HCH	CP-QPSK	21.52	22.08	21.66	17.58	30.00	Pass
30KHz	100MHz	MCH	DFT-Pi2BPSK	23.03	23.63	23.28	19.13	30.00	Pass
30KHz	100MHz	MCH	DFT-QPSK	22.98	23.75	23.28	19.25	30.00	Pass
30KHz	100MHz	MCH	DFT-16QAM	22.14	22.66	22.22	18.16	30.00	Pass
30KHz	100MHz	MCH	DFT-64QAM	20.51	21.22	20.65	16.72	30.00	Pass
30KHz	100MHz	MCH	DFT-256QAM	18.58	19.20	18.78	14.70	30.00	Pass
30KHz	100MHz	MCH	CP-QPSK	21.48	22.27	21.73	17.77	30.00	Pass

This application re-uses data collected on a similar device. The subject device of this application (Model: XT2403-4, XT2403-5, FCC ID: IHDT56AQ6) is electrically identical to the reference device (Model: XT2403-1, XT2403-2, FCC ID: IHDT56AQ5) for the portions of the circuitry corresponding to the data being re-used. Based on their similarity. The FCC Part 22, 24, 27 referencing the original model's result and do spot check, following the FCC KDB484596 D01 Referencing Test Data v02r02.

**Model difference information**

The main difference between FCC ID: IHDT56AQ5 and FCC ID: IHDT56AQ6 is as below:

- Remove LTE B13/20/32/43/48 and 5G NR n2/n7/n20/n26/n38/n40.
- Add LTE B11.

Other difference and all the details of similarity and difference can be found in the confidential documents (XT2403-4, XT2403-5\_Operational Description of Product Equality Declaration).

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**1. Test Summary****1.1. 5G NR Band n5**

Test Item	Rule No.	Requirements	Verdict
Conducted Power	§2.1046	Report Only	Pass
Effective Radiated Power	§22.913(a)(5)	ERP < 7W	

**1.2. 5G NR Band n41**

Test Item	Rule No.	Requirements	Verdict
Conducted Power	§2.1046	Report Only	Pass
Effective Isotropic Radiated Power	§27.50(h) (2)	EIRP < 2W	

**1.3. 5G NR Band n66**

Test Item	Rule No.	Requirements	Verdict
Conducted Power	§2.1046	Report Only	Pass
Effective Isotropic Radiated Power	§27.50(d)	EIRP < 1W	

**1.4. 5G NR Band n77 (3700-3980)/n78 (3700-3800)**

Test Item	Rule No.	Requirements	Verdict
Conducted Power	§2.1046	Report Only	Pass
Effective Isotropic Radiated Power	§27.50(j) (3)	EIRP < 1W	

Remark:

- Only 5G NR Bands conducted test performed and the data displayed in this report, the radiated spurious emission refer to the report (FG3D1818I).

## 2. General Information

### 2.1. General Description of EUT

EUT Description:	Mobile Cellular Phone
Brand Name:	Motorola
Model Name:	XT2403-4; XT2403-5
FCC ID:	IHDT56AQ6
IMEI Code:	1#: 350950830008654/350950830008662 (Conducted);
Hardware Version:	DVT2
Software Version:	U2UM34.9
NR Modulation:	DFT-s-OFDM: <input checked="" type="checkbox"/> Pi/2BPSK; <input checked="" type="checkbox"/> QPSK; <input checked="" type="checkbox"/> 16QAM; <input checked="" type="checkbox"/> 64QAM; <input checked="" type="checkbox"/> 256QAM; CP-OFDM: <input checked="" type="checkbox"/> QPSK; <input checked="" type="checkbox"/> 16QAM; <input checked="" type="checkbox"/> 64QAM; <input checked="" type="checkbox"/> 256QAM;
Sample Type:	<input checked="" type="checkbox"/> Portable Device, <input type="checkbox"/> Module
Antenna Type:	<input type="checkbox"/> External, <input checked="" type="checkbox"/> Integrated
Antenna Gain:	n5: -4.80dBi (Ant0); -5.30dBi (Ant1); n41: -6.80dBi (Ant0); -3.30dBi (Ant1); -3.80dBi (Ant2); -6.80dBi (Ant10); n66: -3.80dBi (Ant1); -2.90dBi (Ant2); n77: -5.50dBi (Ant4); -6.20dBi (Ant5); -4.30dBi (Ant7); -9.20dBi (Ant8); n78: -5.80dBi (Ant4); -6.80dBi (Ant5); -4.50dBi (Ant7); -9.70dBi (Ant8);

#### Remark

- The information above was declared by manufacture. Please refer to the specifications or user manual for more detailed description.

### 2.2. Test Environment

Relative Humidity:	52.0% - 62.0%	
Atmospheric Pressure:	101.32 KPa	
Temperature:	NT (normal temperature)	25.0 °C – 27.5 °C
Voltage:	LV (Low voltage)	3.60V
	NV (Nominal voltage)	3.80V
	HV (High voltage)	4.50V

### 2.3. Specification of Accessories

Accessory	Brand Name	Model Name
AC Adapter 1	Motorola(Chenyang)	MC-1251
AC Adapter 2	Motorola(Chenyang)	MC-1252
Battery 1	Motorola (ATL)	QM45
USB Cable 1	Saibao	SC18D71644
USB Cable 2	Luxshare	SC18E08104

### 3. Test Configuration of Equipment Under Test

#### 3.1. Test Frequencies

##### 3.1.1. 5G NR System

##### 3.1.1.1. NR Band n5 (824-849)

##### 3.1.1.1.1. SCS=15KHz

Bandwidth	LCH		MCH		HCH	
	Arfcn	Freq	Arfcn	Freq	Arfcn	Freq
5MHz	165300	826.5	167300	836.5	169300	846.5
10MHz	165800	829.0	167300	836.5	168800	844.0
15MHz	166300	831.5	167300	836.5	168300	841.5
20MHz	166800	834.0	167300	836.5	167800	839.0

##### 3.1.1.2. NR Band n41 (2496-2690)

##### 3.1.1.2.1. SCS=30KHz

Bandwidth	LCH		MCH		HCH	
	Arfcn	Freq	Arfcn	Freq	Arfcn	Freq
10MHz	500202	2501.01	518598	2592.99	537000	2685.00
15MHz	500700	2503.50	518598	2592.99	536496	2682.48
20MHz	501204	2506.02	518598	2592.99	535998	2679.99
30MHz	502200	2511.00	518598	2592.99	534996	2674.98
40MHz	503202	2516.01	518598	2592.99	534000	2670.00
50MHz	504204	2521.02	518598	2592.99	532998	2664.99
60MHz	505200	2526.00	518598	2592.99	531996	2659.98
70MHz	506202	2531.01	518598	2592.99	531000	2655.00
80MHz	507204	2536.02	518598	2592.99	529998	2649.99
90MHz	508200	2541.00	518598	2592.99	528996	2644.98
100MHz	509202	2546.01	518598	2592.99	528000	2640.00

##### 3.1.1.3. NR Band n66 (1710-1780)

##### 3.1.1.3.1. SCS=15KHz

Bandwidth	LCH		MCH		HCH	
	Arfcn	Freq	Arfcn	Freq	Arfcn	Freq
5MHz	342500	1712.5	349000	1745.0	355500	1777.5
10MHz	343000	1715.0	349000	1745.0	355000	1775.0
15MHz	343500	1717.5	349000	1745.0	354500	1772.5
20MHz	344000	1720.0	349000	1745.0	354000	1770.0
25MHz	344500	1722.5	349000	1745.0	353500	1767.5
30MHz	345000	1725.0	349000	1745.0	353000	1765.0
35MHz	345500	1727.5	349000	1745.0	352500	1762.5
40MHz	346000	1730.0	349000	1745.0	352000	1760.0

**3.1.1.4. NR Band N77 (3700-3980)**

**3.1.1.4.1. SCS=30KHz**

Bandwidth	LCH		MCH		HCH	
	Arfcn	Freq	Arfcn	Freq	Arfcn	Freq
10MHz	647000	3705.00	656000	3840.00	665000	3975.00
15MHz	647168	3707.52	656000	3840.00	664832	3972.48
20MHz	647334	3710.01	656000	3840.00	664666	3969.99
30MHz	647668	3715.02	656000	3840.00	664332	3964.98
40MHz	648000	3720.00	656000	3840.00	664000	3960.00
50MHz	648334	3725.01	656000	3840.00	663666	3954.99
60MHz	648668	3730.02	656000	3840.00	663332	3949.98
70MHz	649000	3735.00	656000	3840.00	663000	3945.00
80MHz	649334	3740.01	656000	3840.00	662666	3939.99
90MHz	649668	3745.02	656000	3840.00	662332	3934.98
100MHz	650000	3750.00	656000	3840.00	662000	3930.00

**3.1.1.5. NR Band N78 (3700-3800)**

**3.1.1.5.1. SCS=30KHz**

Bandwidth	LCH		MCH		HCH	
	Arfcn	Freq	Arfcn	Freq	Arfcn	Freq
10MHz	647000	3705.00	650000	3750.00	653000	3795.00
15MHz	647168	3707.52	650000	3750.00	652832	3792.48
20MHz	647334	3710.01	650000	3750.00	652666	3789.99
30MHz	647668	3715.02	650000	3750.00	652332	3784.98
40MHz	648000	3720.00	650000	3750.00	652000	3780.00
50MHz	648334	3725.01	650000	3750.00	651666	3774.99
60MHz	648668	3730.02	650000	3750.00	651332	3769.98
70MHz	649000	3735.00	650000	3750.00	651000	3765.00
80MHz	649334	3740.01	650000	3750.00	650666	3759.99
90MHz	649668	3745.02	650000	3750.00	650332	3754.98
100MHz	650000	3750.00	650000	3750.00	650000	3750.00

**4. Description of Tests**

**4.1. Conducted Output Power Measurement**

**4.1.1. Description of Conducted Output Power Measurement**

A base station simulator was used to establish communication with the EUT, Its parameters were set to transmit the maximum power on the EUT. The measured power in the radio frequency on the transmitter output terminals shall be reported.

**4.1.2. Test Procedures**

- 1, The testing follows ANSI C63.26 Section 5.2.
- 2, The transmitter output port was connected to the system simulator.
- 3, Set EUT at maximum power through the system simulator.
- 4, Select lowest, Middle, Highest channels for each band and each modulation.
- 5, Record the reading power from the system simulator.

**4.2. Effective (Isotropic) Radiated Power**

Measurement Procedure: ANSI C63.26

Calculate power in dBm by the following formula:

ERP (dBm) = Conducted Power (dBm) + antenna gain (dBd)

EIRP (dBm) = Conducted Power (dBm) + antenna gain (dBi)

EIRP=ERP+2.15dB

**5. List of Measuring Equipment**

Equipment	Model	Manufacture	Device No.	Cal Date	Cal Due
Radio Communication Analyzer	MT8000A	Anritsu	6272478367	2023-12-07	2024-12-06
	MT8821C	Anritsu	6272498303	2023-12-07	2024-12-06
Spectrum Analyzer (50Hz-40GHz)	FSV	R&S	101046	2023-12-07	2024-12-06
Power Supply	2036	Keithley	4058748	2023-12-07	2024-12-06
Temperature Chamber	C/64/40/3	Weiss	56246017780020	2023-04-07	2024-04-06
Power Divider	-	WOKEN	0120A04051801O	NCR	
Power Divider	-	WOKEN	0120A02056002D	NCR	

Remark:

- 1, For equipment listed above that has a calibration date or calibration due date that falls within the test date range, and the equipment was used after calibrate date and before calibrate due date.
- 2, "NCR" means no calibration required.

**6. Measurement Uncertainty**

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26. All the measurement uncertainties value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be directly to specified limit to determine compliance.

**6.1. Uncertainty of Conducted Measurement**

Contribution	Expanded Uncertainty
Conducted Power	± 0.77

The End