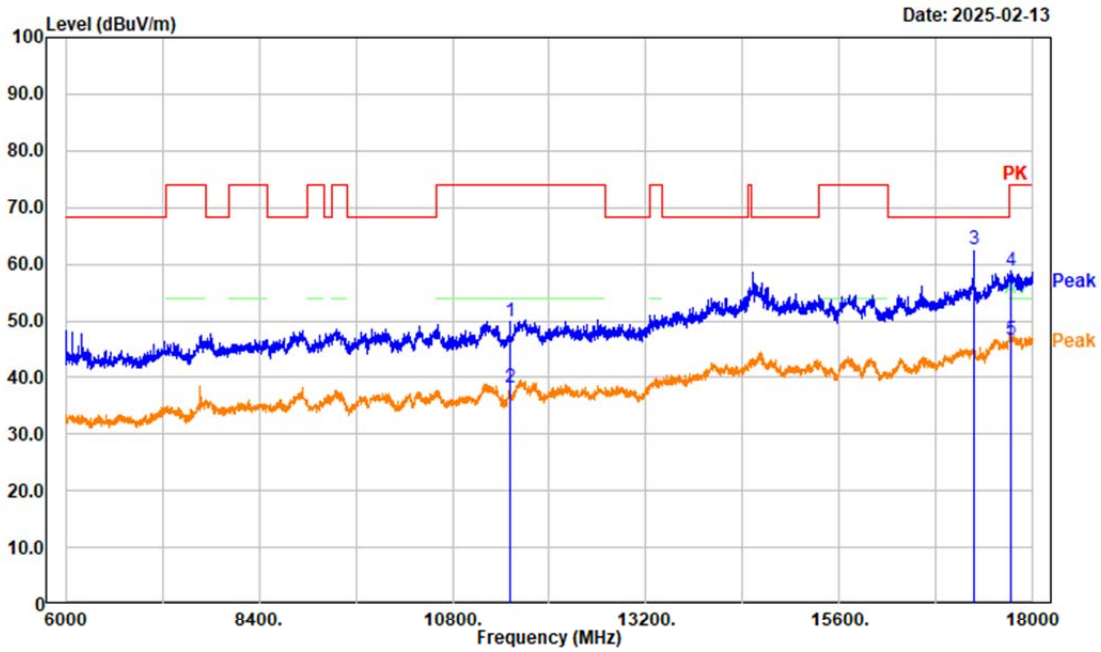
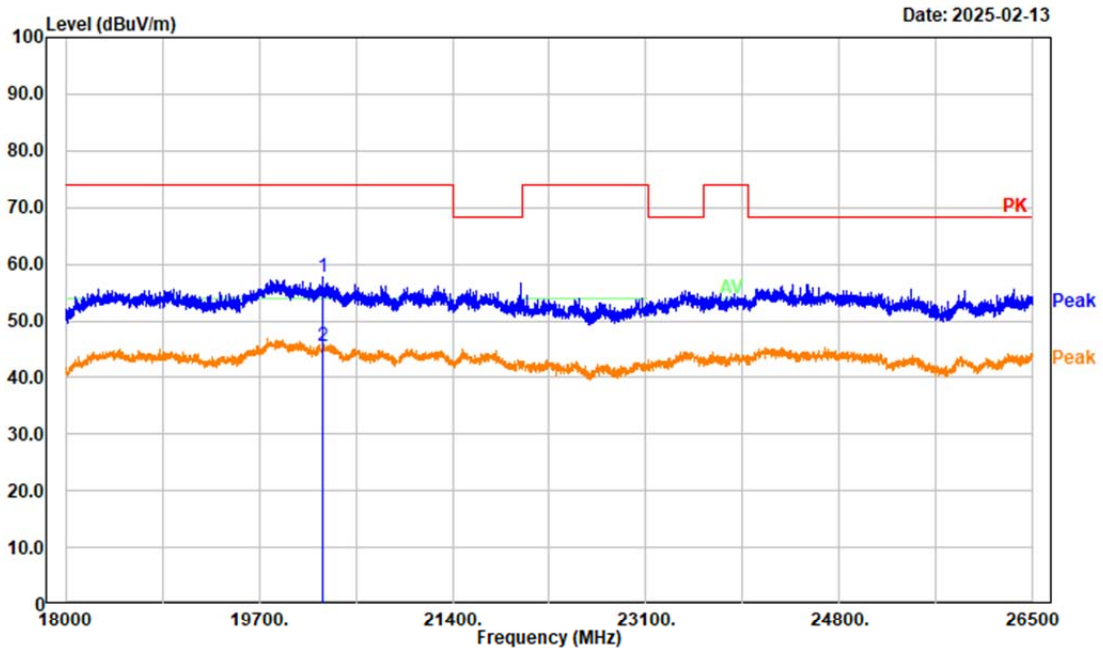
Project No.: 2503P40909E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
Note: n40 Low Channel 5755MHz band4



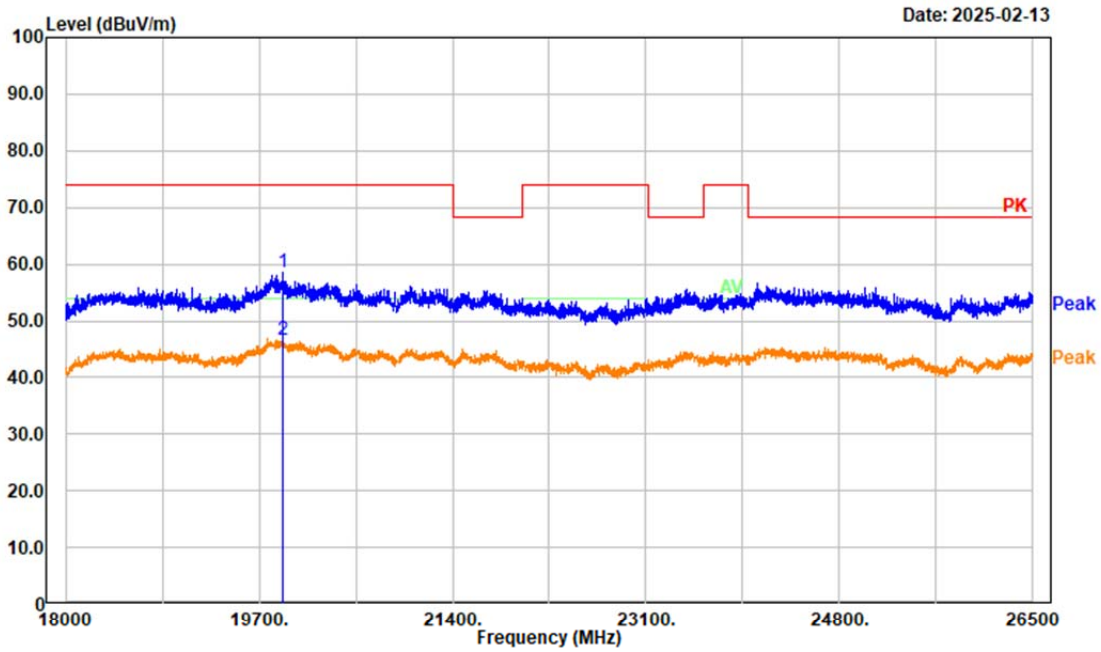
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	11510.000	35.52	14.45	49.97	74.00	24.03	Peak
2	11510.000	23.66	14.45	38.11	54.00	15.89	Average
3	17265.000	41.26	21.44	62.70	68.20	5.50	Peak
4	17728.800	32.94	25.82	58.76	74.00	15.24	Peak
5	17728.800	20.84	25.82	46.66	54.00	7.34	Average

Project No.: 2503P40909E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Horizontal
Note: n40 Low Channel 5755MHz band4



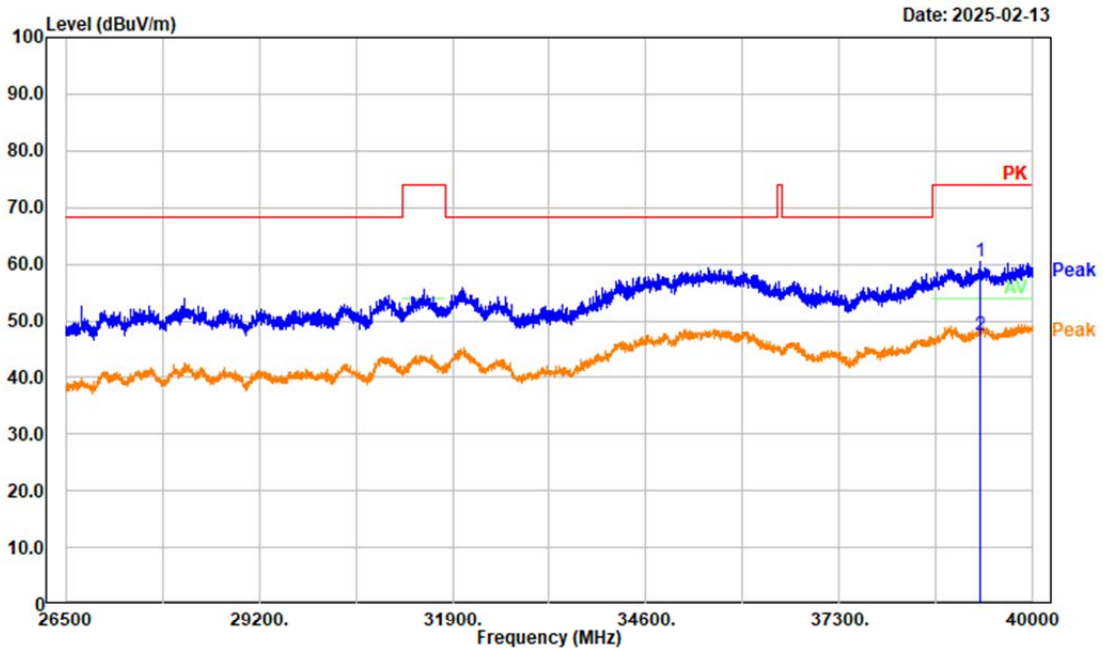
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	20257.600	51.29	6.34	57.63	74.00	16.37	Peak
2	20257.600	39.18	6.34	45.52	54.00	8.48	Average

Project No.: 2503P40909E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Vertical
Note: n40 Low Channel 5755MHz band4



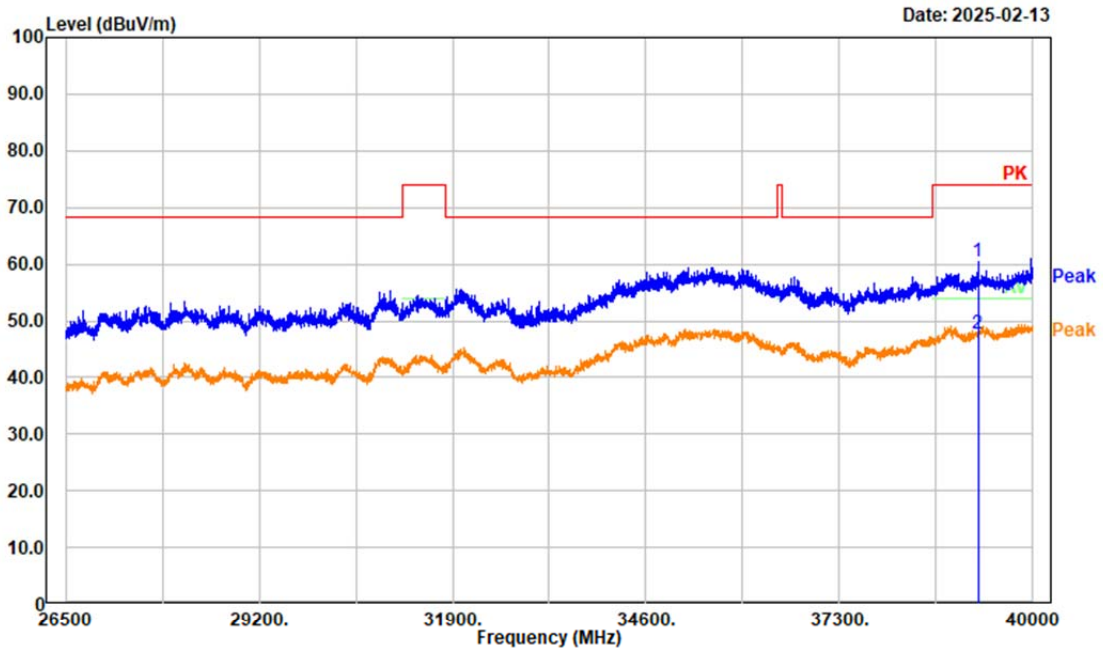
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	19907.400	50.56	7.94	58.50	74.00	15.50	Peak
2	19907.400	38.73	7.94	46.67	54.00	7.33	Average

Project No.: 2503P40909E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Horizontal
Note: n40 Low Channel 5755MHz band4



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	39254.800	52.17	8.22	60.39	74.00	13.61	Peak
2	39254.800	39.19	8.22	47.41	54.00	6.59	Average

Project No.: 2503P40909E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Vertical
Note: n40 Low Channel 5755MHz band4



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	39230.500	52.13	8.32	60.45	74.00	13.55	Peak
2	39230.500	39.31	8.32	47.63	54.00	6.37	Average

4.3 RF Conducted Data

Please refer to Annex "2503P40909E-RF-00A _Appendix A" for detail test data.

5. RF EXPOSURE EVALUATION

5.1 RF EXPOSURE EVALUATION-MAXIMUM PERMISSIBLE EXPOSURE (MPE)

5.1.1 Applicable Standard

According to subpart 15.407(f)and subpart §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	**Electric Field Strength (V/m)**	**Magnetic Field Strength (A/m)**	**Power Density (mW/cm^2)**	**Averaging Time (minutes)**
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f = frequency in MHz; * = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

5.1.2 Calculation formula:

Prediction of power density at the distance of the applicable MPE limit
S = PG/4□R² = power density (in appropriate units, e.g. mW/cm^2);
P = power input to the antenna (in appropriate units, e.g., mW);
G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;
R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

5.1.3 Calculated Data:

Frequency (MHz)	**Antenna Gain**		**Conducted output power including Tune-up Tolerance**		**Evaluation Distance (cm)**	**Power Density (mW/cm^2)**	**MPE Limit (mW/cm^2)**
	(dBi)	**(numeric)**	**(dBm)**	**(mW)**			
5180-5240	8.78	7.55	17	50.12	20	0.0753	1
5745-5825	7.56	5.7	23.5	223.87	20	0.2539	1

Note:
1. The Conducted output power including Tune-up Tolerance provided by manufacturer

Result: The device meet FCC MPE at 20 cm distance

6. EUT PHOTOGRAPHS

Please refer to the attachment 2503P40909E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2503P40909E-RF-INP EUT INTERNAL PHOTOGRAPHS

7. TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2503P40909E-RF-00A-TSP TEST SETUP PHOTOGRAPHS.

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