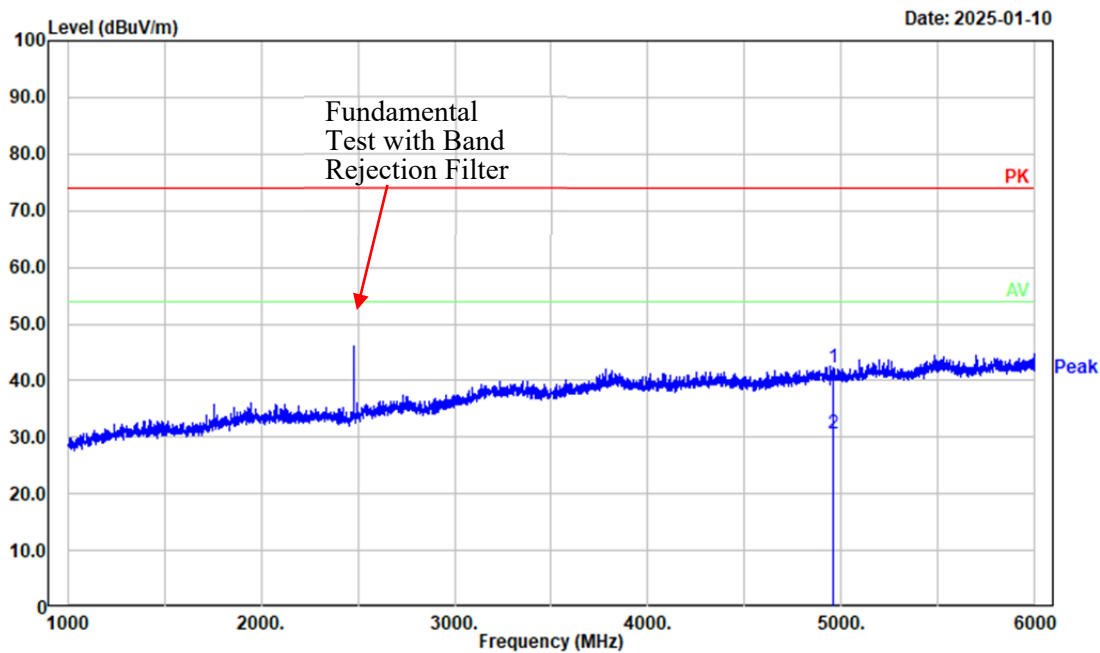


Worst radiation spurious emissions margin test plots for each mode

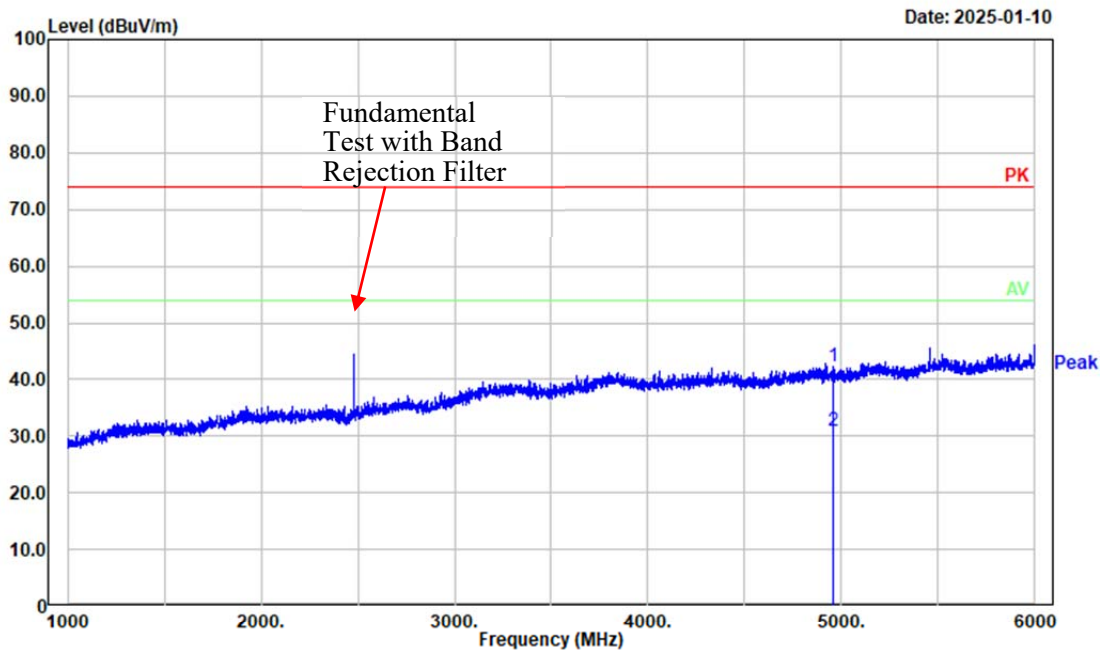
Note: for 18 – 25 GHz range, only report the worst case mode

Project No.: 2403Z104805E-RF
Tester: Tao Zhu
Condition: RBW:1000 kHz VBW:3000 kHz SWT:0.3 sec
Polarization: horizontal
Note: BDR High Channel 2480MHz



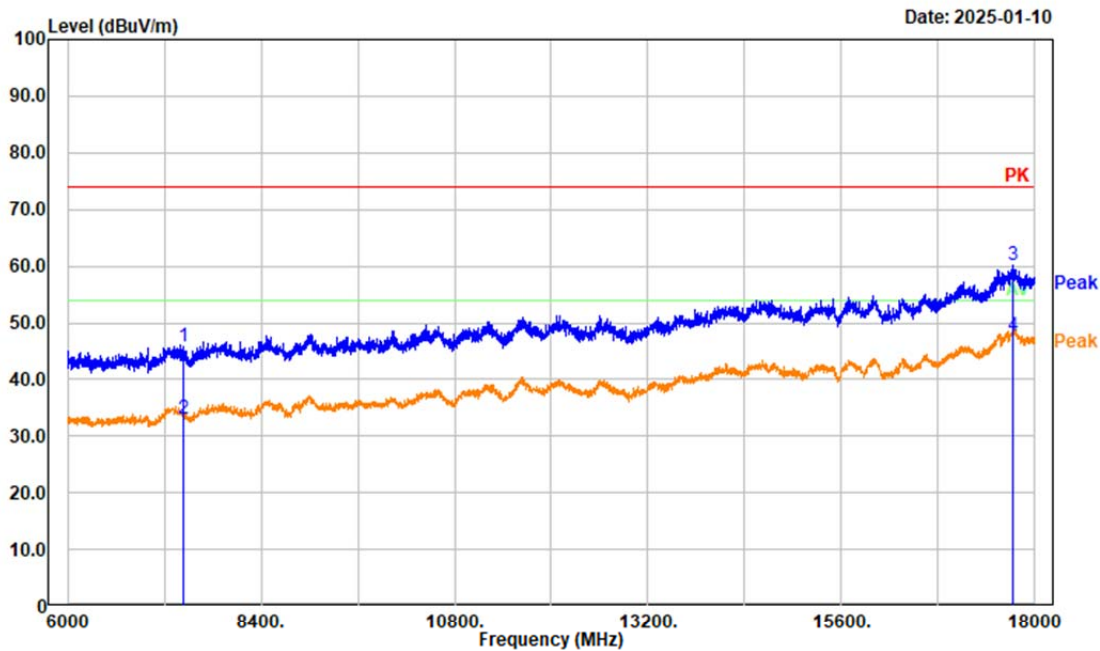
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	4960.000	33.60	8.80	42.40	74.00	31.60	Peak
2	4960.000	21.75	8.80	30.55	54.00	23.45	Average

Project No.: 2403Z104805E-RF
Tester: Tao Zhu
Condition: RBW:1000 kHz VBW:3000 kHz SWT:0.3 sec
Polarization: vertical
Note: BDR High Channel 2480MHz



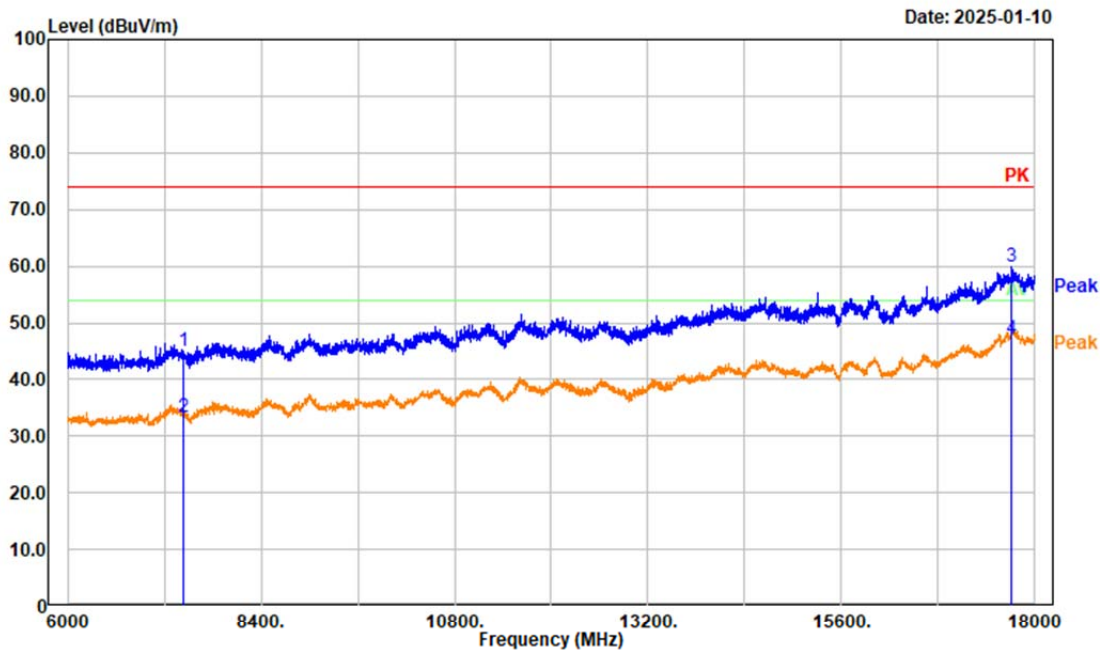
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	4960.000	33.44	8.80	42.24	74.00	31.76	Peak
2	4960.000	22.04	8.80	30.84	54.00	23.16	Average

Project No.: 2403Z104805E-RF
Tester: Tao Zhu
Condition: RBW:1000 kHz VBW:3000 kHz SWT:0.3 sec
Polarization: horizontal
Note: BDR High Channel 2480MHz



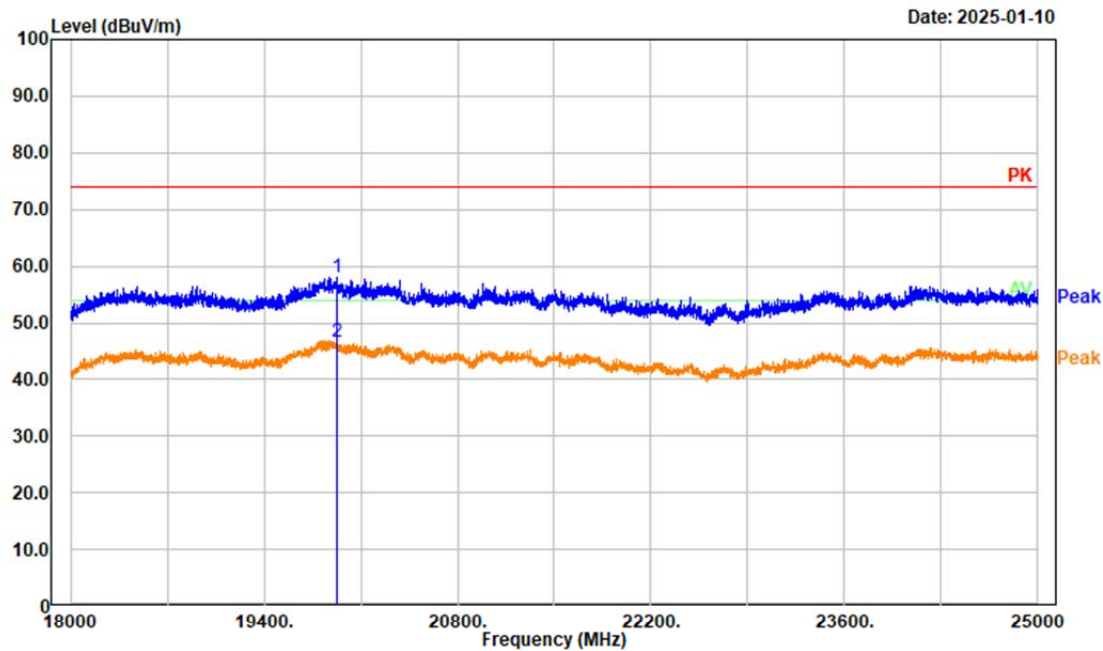
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	7440.000	34.34	11.47	45.81	74.00	28.19	Peak
2	7440.000	21.63	11.47	33.10	54.00	20.90	Average
3	17724.000	34.28	25.87	60.15	74.00	13.85	Peak
4	17724.000	21.87	25.87	47.74	54.00	6.26	Average

Project No.: 2403Z104805E-RF
Tester: Tao Zhu
Condition: RBW:1000 kHz VBW:3000 kHz SWT:0.3 sec
Polarization: vertical
Note: BDR High Channel 2480MHz



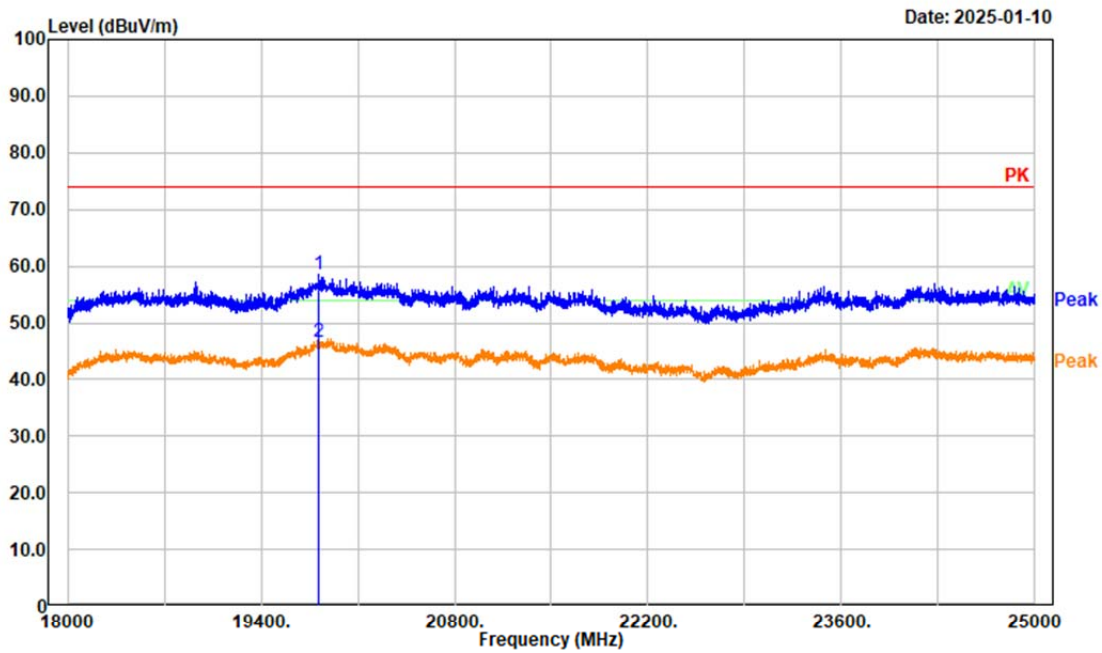
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	7440.000	33.60	11.47	45.07	74.00	28.93	Peak
2	7440.000	21.89	11.47	33.36	54.00	20.64	Average
3	17709.600	33.91	25.89	59.80	74.00	14.20	Peak
4	17709.600	21.36	25.89	47.25	54.00	6.75	Average

Project No.: 2403Z104805E-RF
Tester: Tao Zhu
Condition: RBW:1000 kHz VBW:3000 kHz SWT:0.3 sec
Polarization: Horizontal
Note: BDR High Channel 2480MHz



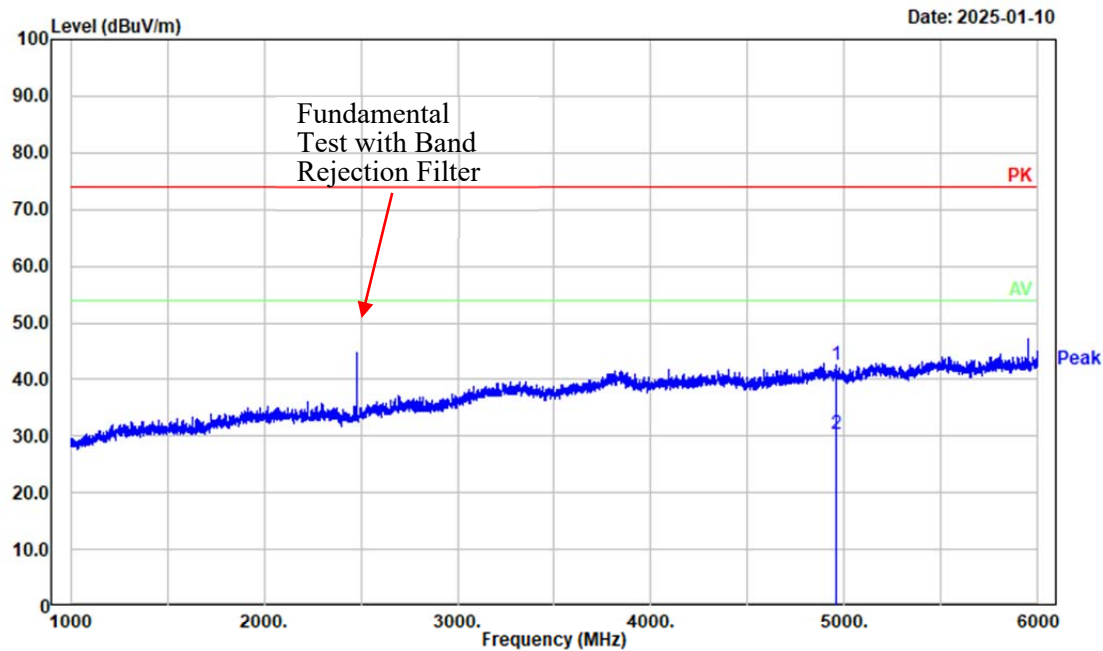
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	19926.400	50.19	7.84	58.03	74.00	15.97	Peak
2	19926.400	38.68	7.84	46.52	54.00	7.48	Average

Project No.: 2403Z104805E-RF
Tester: Tao Zhu
Condition: RBW:1000 kHz VBW:3000 kHz SWT:0.3 sec
Polarization: vertical
Note: BDR High Channel 2480MHz



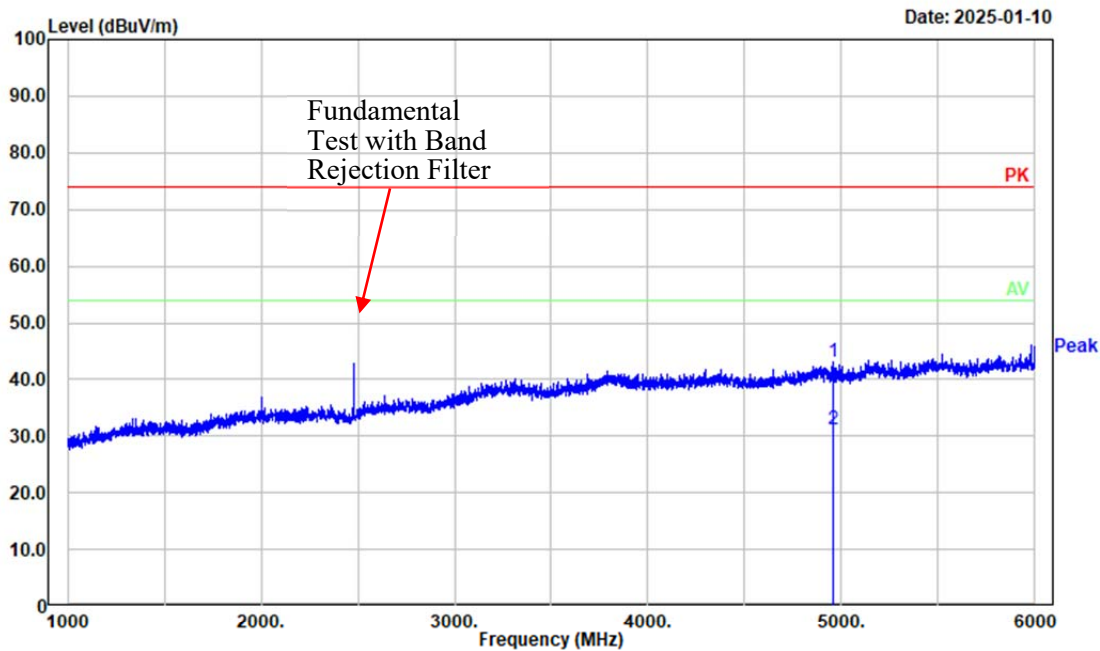
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	19818.600	50.59	7.95	58.54	74.00	15.46	Peak
2	19818.600	38.57	7.95	46.52	54.00	7.48	Average

Project No.: 2403Z104805E-RF
Tester: Tao Zhu
Condition: RBW:1000 kHz VBW:3000 kHz SWT:0.3 sec
Polarization: horizontal
Note: EDR High Channel 2480MHz



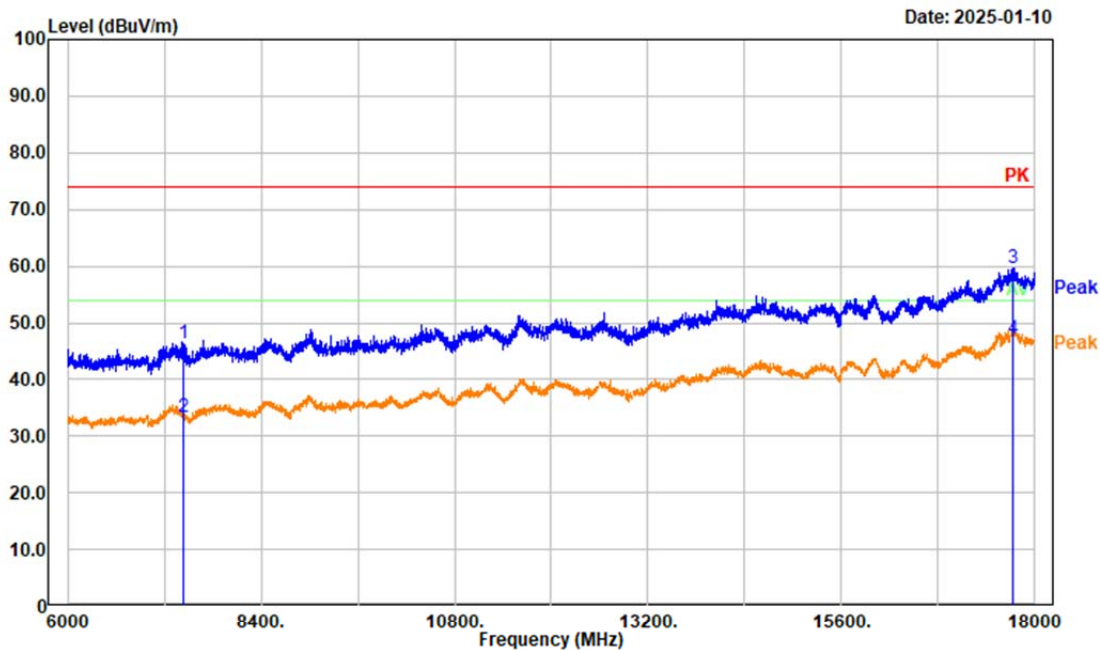
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	4960.000	33.70	8.80	42.50	74.00	31.50	Peak
2	4960.000	21.51	8.80	30.31	54.00	23.69	Average

Project No.: 2403Z104805E-RF
Tester: Tao Zhu
Condition: RBW:1000 kHz VBW:3000 kHz SWT:0.3 sec
Polarization: vertical
Note: EDR High Channel 2480MHz



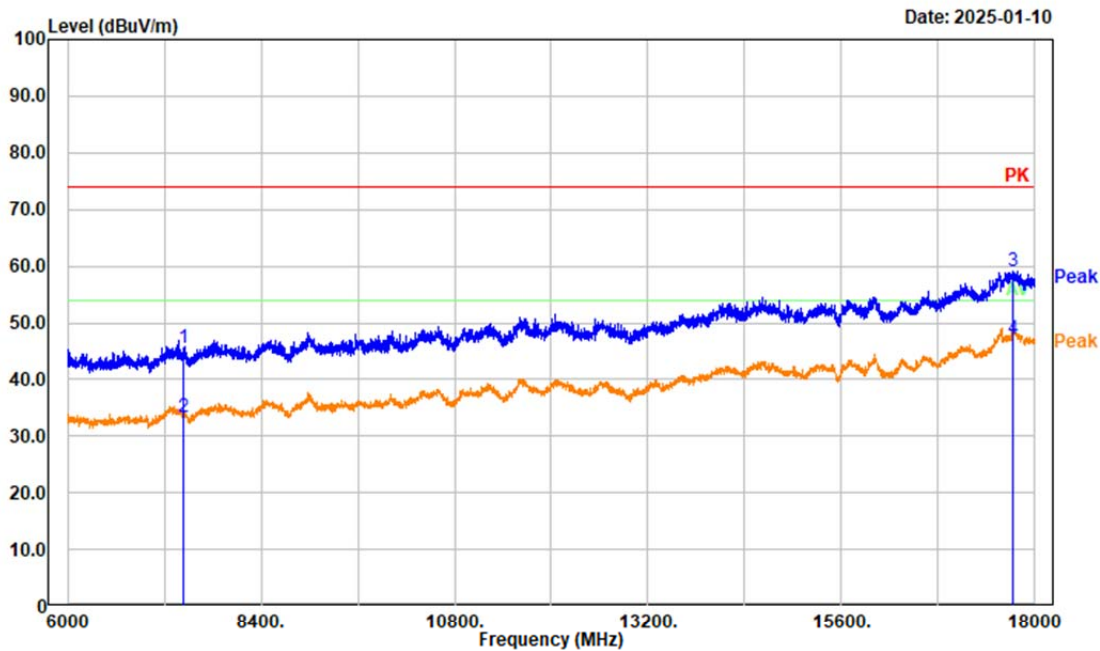
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	4960.000	34.29	8.80	43.09	74.00	30.91	Peak
2	4960.000	22.40	8.80	31.20	54.00	22.80	Average

Project No.: 2403Z104805E-RF
Tester: Tao Zhu
Condition: RBW:1000 kHz VBW:3000 kHz SWT:0.3 sec
Polarization: horizontal
Note: EDR High Channel 2480MHz



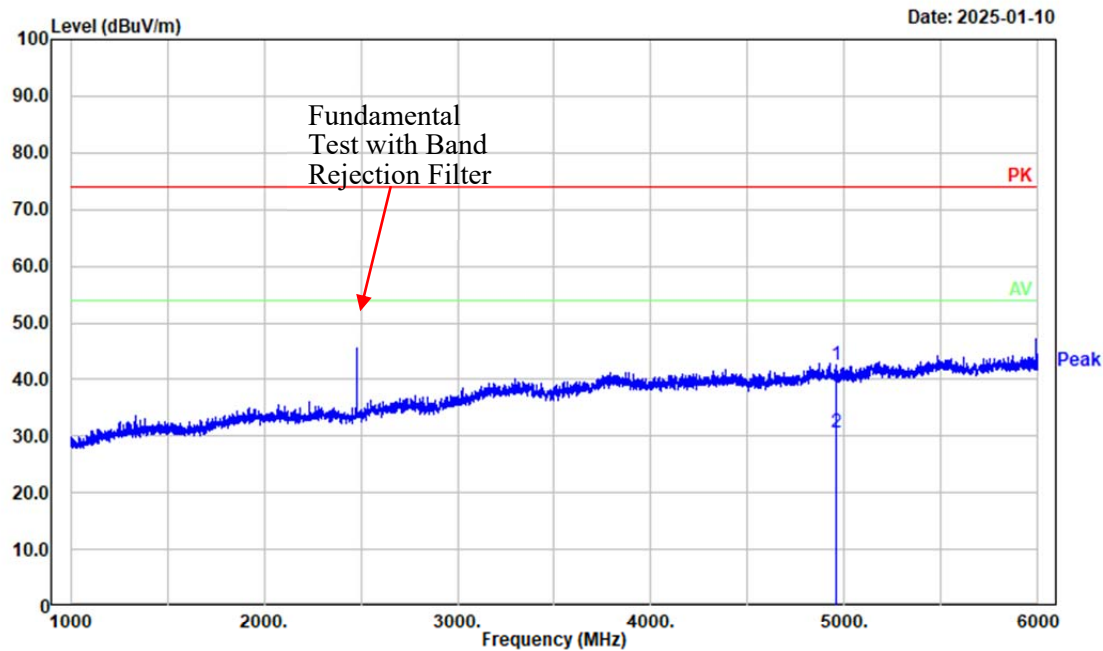
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	7440.000	34.80	11.47	46.27	74.00	27.73	Peak
2	7440.000	21.78	11.47	33.25	54.00	20.75	Average
3	17719.200	33.79	25.89	59.68	74.00	14.32	Peak
4	17719.200	21.37	25.89	47.26	54.00	6.74	Average

Project No.: 2403Z104805E-RF
Tester: Tao Zhu
Condition: RBW:1000 kHz VBW:3000 kHz SWT:0.3 sec
Polarization: vertical
Note: EDR High Channel 2480MHz



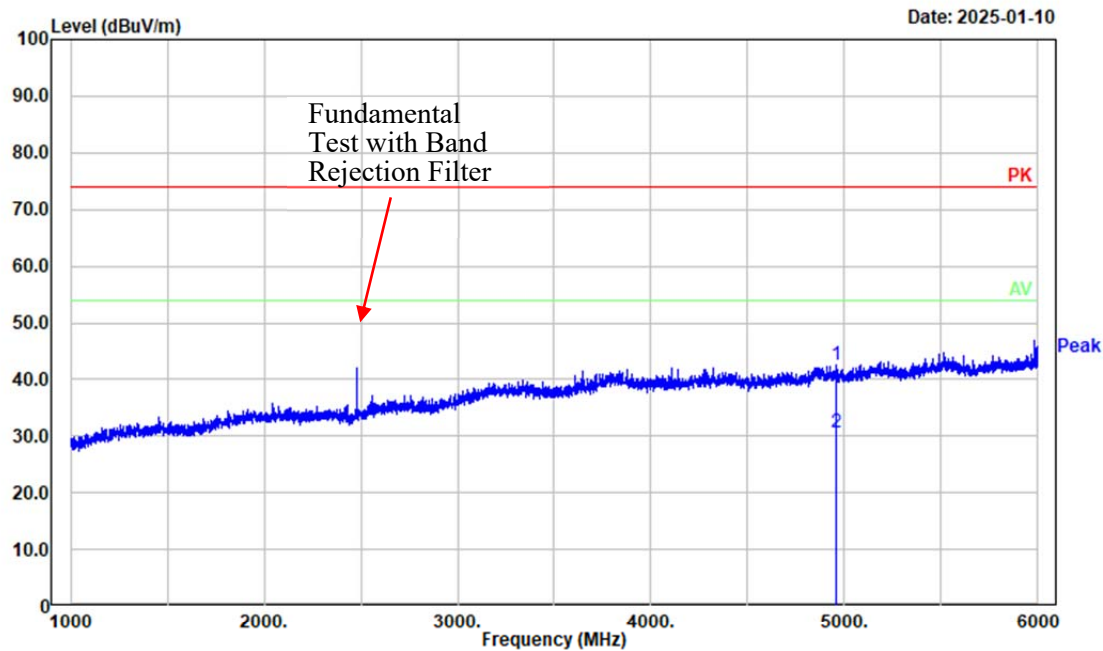
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	7440.000	34.10	11.47	45.57	74.00	28.43	Peak
2	7440.000	21.87	11.47	33.34	54.00	20.66	Average
3	17719.200	33.28	25.89	59.17	74.00	14.83	Peak
4	17719.200	21.39	25.89	47.28	54.00	6.72	Average

Project No.: 2403Z104805E-RF
Tester: Tao Zhu
Condition: RBW:1000 kHz VBW:3000 kHz SWT:0.3 sec
Polarization: horizontal
Note: 2EDR High Channel 2480MHz



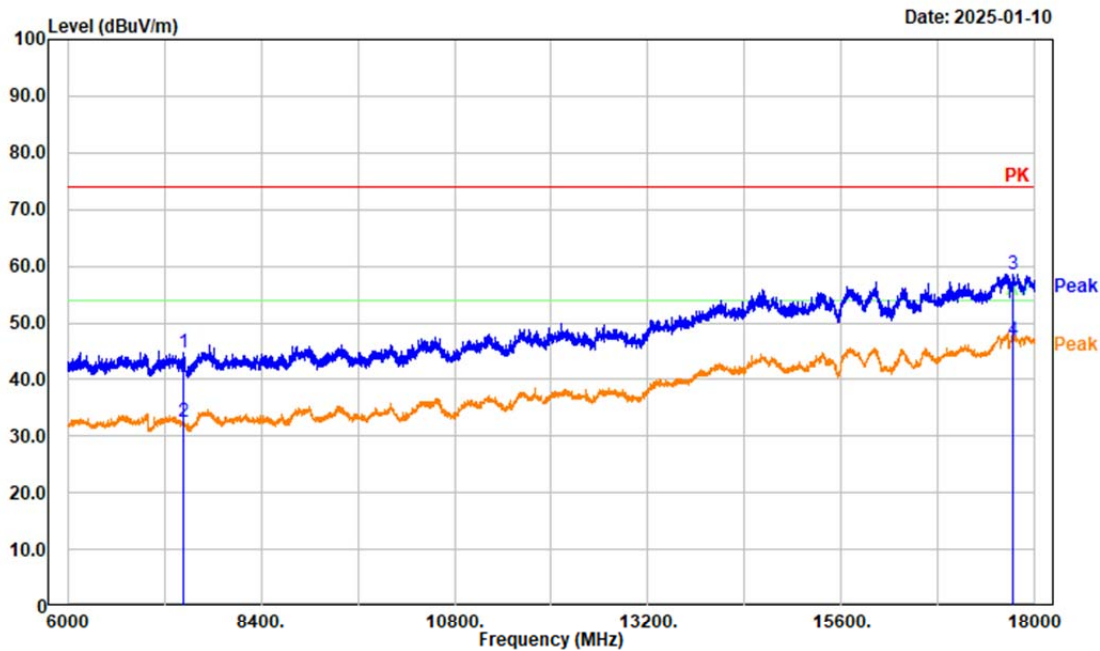
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	4960.000	33.64	8.80	42.44	74.00	31.56	Peak
2	4960.000	21.72	8.80	30.52	54.00	23.48	Average

Project No.: 2403Z104805E-RF
Tester: Tao Zhu
Condition: RBW:1000 kHz VBW:3000 kHz SWT:0.3 sec
Polarization: vertical
Note: 2EDR High Channel 2480MHz



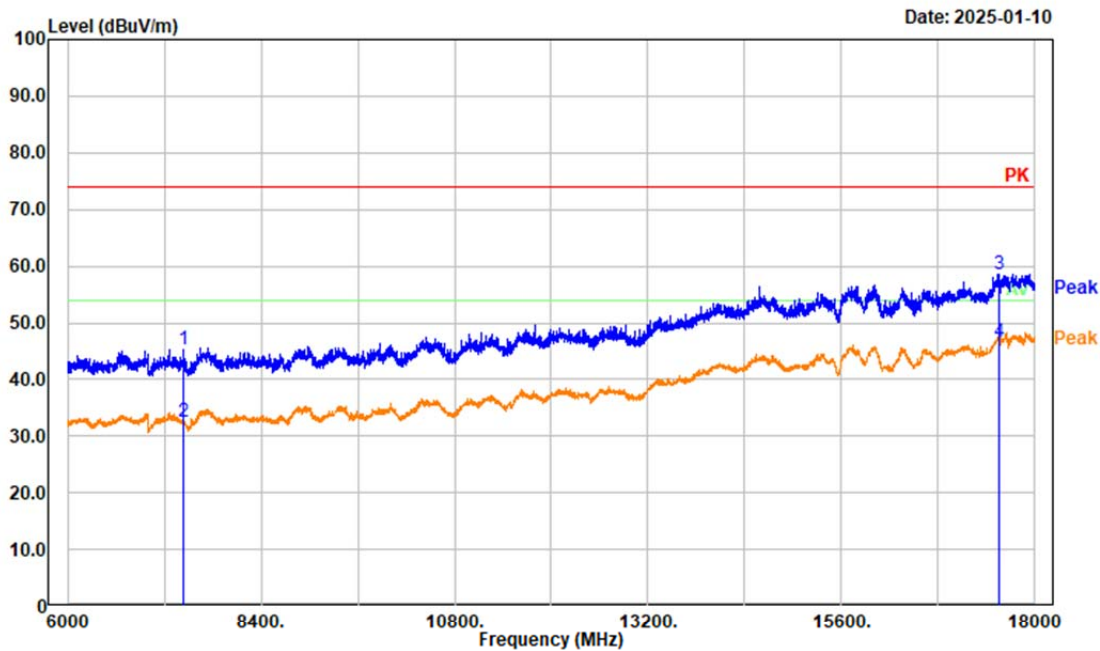
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	4960.000	33.79	8.80	42.59	74.00	31.41	Peak
2	4960.000	21.74	8.80	30.54	54.00	23.46	Average

Project No.: 2403Z104805E-RF
Tester: Tao Zhu
Condition: RBW:1000 kHz VBW:3000 kHz SWT:0.3 sec
Polarization: horizontal
Note: 2EDR High Channel 2480MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	7440.000	33.35	11.47	44.82	74.00	29.18	Peak
2	7440.000	21.08	11.47	32.55	54.00	21.45	Average
3	17719.200	32.73	25.89	58.62	74.00	15.38	Peak
4	17719.200	20.89	25.89	46.78	54.00	7.22	Average

Project No.: 2403Z104805E-RF
Tester: Tao Zhu
Condition: RBW:1000 kHz VBW:3000 kHz SWT:0.3 sec
Polarization: vertical
Note: 2EDR High Channel 2480MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	7440.000	33.71	11.47	45.18	74.00	28.82	Peak
2	7440.000	21.11	11.47	32.58	54.00	21.42	Average
3	17560.800	34.81	23.79	58.60	74.00	15.40	Peak
4	17560.800	22.72	23.79	46.51	54.00	7.49	Average

4.3 RF Conducted Data

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

5. RF EXPOSURE EVALUATION

5.1 Applicable Standard

According to §15.247(i) and §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB447498 D01 General RF Exposure Guidance v06:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot$

$[\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

5.2 Measurement Result

Frequency (MHz)	Conducted Output Power Including Tolerance		Distance (mm)	Calculated value	Threshold (1-g)	SAR Test Exclusion
	(dBm)	(mW)				
2402-2480	7	5.01	5	1.6	3	Yes

Note: The Maximum Conducted Power including Tune-up Tolerance was declared by manufacturer.

Result: Compliant. The stand-alone SAR evaluation is not necessary.

6. EUT PHOTOGRAPHS

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

7. TEST SETUP PHOTOGRAPHS

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

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