

|           |                               |                   |                   |
|-----------|-------------------------------|-------------------|-------------------|
| Client:   | XPLOER                        | PR Number:        | PR185702          |
| Model:    | DELLFMFHP                     | T-Log Number:     | TL185702-RA-HF2-  |
| Contact:  | Huong Monnier                 | Project Manager:  | Christine Krebill |
| Standard: | FCC Part 15, RSS-210, RSS-247 | Project Engineer: | David Bare        |
|           |                               | Class:            | -                 |

## SAR Exclusion / Total Exposure Ratio

### Specific Details

Objective: Evaluate the RF Exposure requirements per FCC 1.1310, 2.1091, 2.1093 and RSS-102.

Date of Test: 3/18/2025

Test Engineer: David Bare

### General Test Configuration

SAR exclusion calculation formula is from FCC KDB 447498 D01 section 4.3:

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

Where:  $f_{\text{(GHz)}}$  is the RF transmit channel frequency

### Summary of Results

|                                                       |     |
|-------------------------------------------------------|-----|
| Device complies with SAR exclusion at 5mm separation: | Yes |
|-------------------------------------------------------|-----|

### Deviations From The Standard

No deviations were made from the requirements of the standard.

### FCC SAR Exclusion Calculation (KDB 447498 D01 v6)

| Freq.<br>MHz | EUT @<br>Power |     | Cable Loss<br>Loss<br>dB | Ant<br>Gain<br>dBi | Power<br>at Ant<br>dBm | EIRP<br>mW | Separation<br>Distance<br>(mm) | SAR<br>Exclusion<br>Calc. | SAR Exclusion Limit |
|--------------|----------------|-----|--------------------------|--------------------|------------------------|------------|--------------------------------|---------------------------|---------------------|
| 2404         | -2.5           | 0.6 | 0                        | -2.9               | -2.5                   | 0.29       | 5.0                            | 0.17                      | 3.0                 |
| 2404         | -2.8           | 0.5 | 0                        | -1.1               | -2.8                   | 0.41       | 5.0                            | 0.16                      | 3.0                 |
| 2404         | -3.4           | 0.5 | 0                        | 0.5                | -3.4                   | 0.51       | 5.0                            | 0.14                      | 3.0                 |

@ Power adjusted for stated 34% maximum duty cycle in use

Combined exposure from both radios (highest contribution from each radio) as a percentage of the corresponding limit

|         |       |                                              |
|---------|-------|----------------------------------------------|
| 2.4 GHz | 5.8%  | % of SAR exclusion limit                     |
| 120 kHz | 93.3% | % of RF exposure limit (see separate report) |
| Total   | 99.1% | TER is < 100%                                |