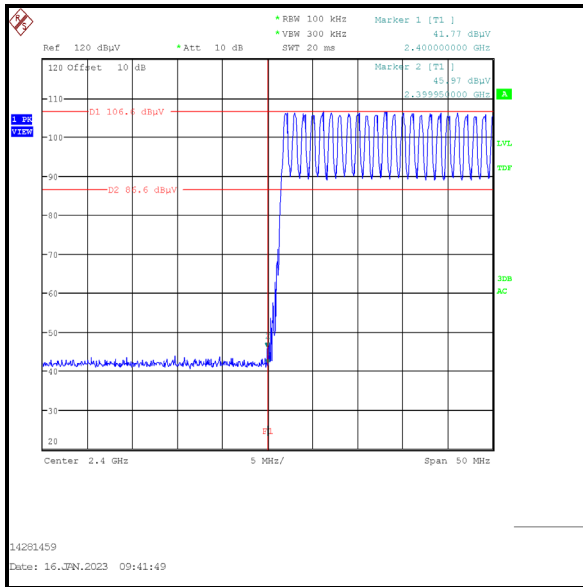
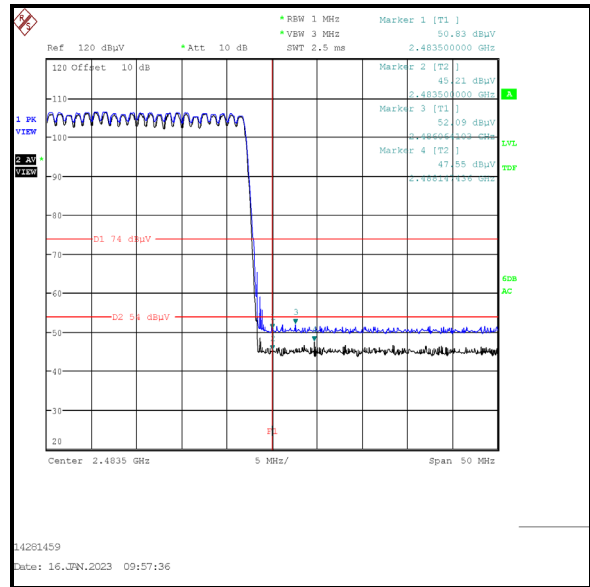


### Transmitter Band Edge Radiated Emissions (continued)

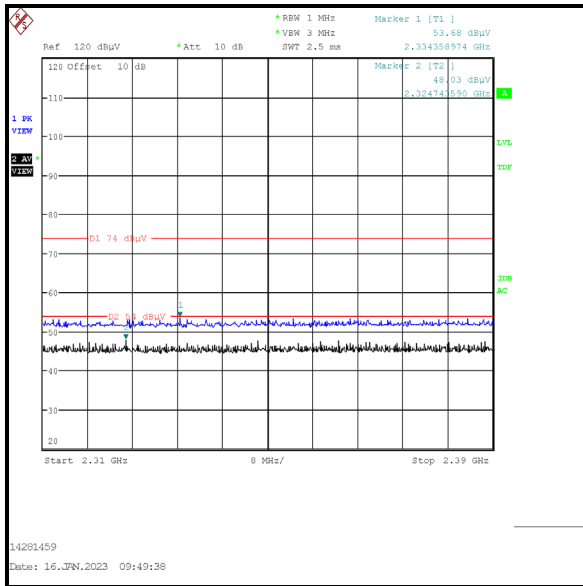
#### Results: Hopping Mode / DH5 / SISO / Core 2



Lower Band Edge



Upper Band Edge



2310 MHz to 2390 MHz Restricted Band

**Transmitter Band Edge Radiated Emissions (continued)****Results: Static Mode / 2DH5 / SISO / Core 2**

Frequency (MHz)	Antenna Polarity	Peak Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2399.950	Horizontal	46.6	82.6*	36.0	Complied
2400.0	Horizontal	46.2	82.6*	36.4	Complied
2483.5	Horizontal	50.9	74.0	23.1	Complied
2490.311	Horizontal	52.6	74.0	21.4	Complied

Frequency (MHz)	Antenna Polarity	Average Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2483.5	Horizontal	31.9**	54.0	22.1	Complied

**Results: 2310 MHz to 2390 MHz Restricted Band / Peak**

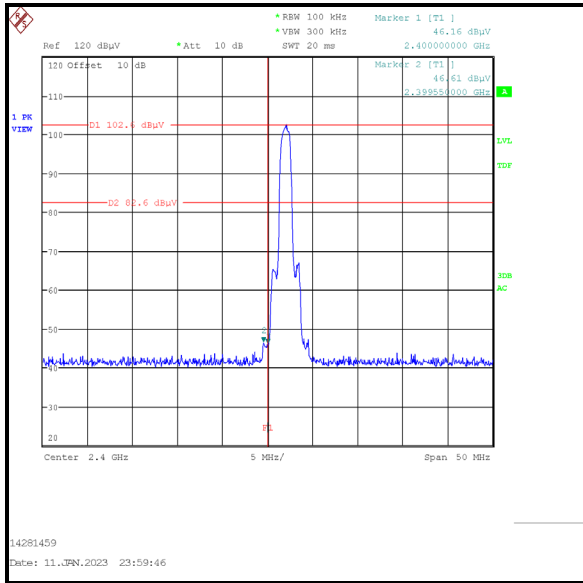
Frequency (MHz)	Antenna Polarity	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2382.436	Horizontal	53.8	74.0	20.2	Complied

**Results: 2310 MHz to 2390 MHz Restricted Band / Average**

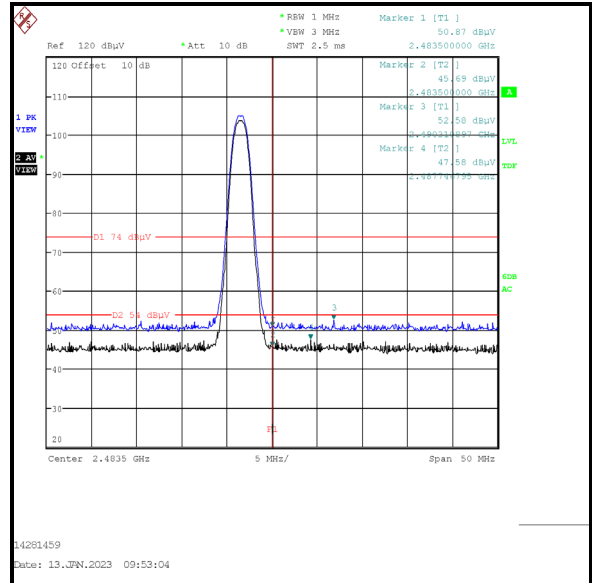
Frequency (MHz)	Antenna Polarity	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2349.615	Horizontal	47.5	54.0	6.5	Complied

### Transmitter Band Edge Radiated Emissions (continued)

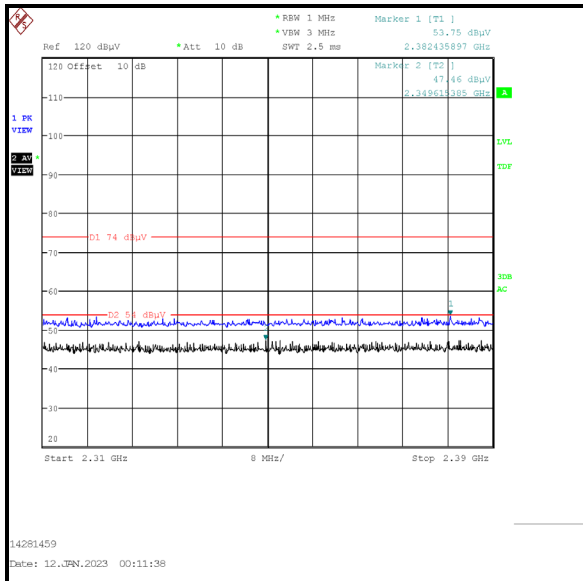
#### Results: Static Mode / 2DH5 / SISO / Core 2



Lower Band Edge



Upper Band Edge



2310 MHz to 2390 MHz Restricted Band

**Transmitter Band Edge Radiated Emissions (continued)****Results: Hopping Mode / 2DH5 / SISO / Core 2**

Frequency (MHz)	Antenna Polarity	Peak Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2399.900	Horizontal	46.2	83.6*	37.4	Complied
2400.0	Horizontal	45.9	83.6*	37.7	Complied
2483.5	Horizontal	50.5	74.0	23.5	Complied
2490.311	Horizontal	52.0	74.0	22.0	Complied

Frequency (MHz)	Antenna Polarity	Average Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2483.5	Horizontal	31.5**	54.0	22.5	Complied

**Results: 2310 MHz to 2390 MHz Restricted Band / Peak**

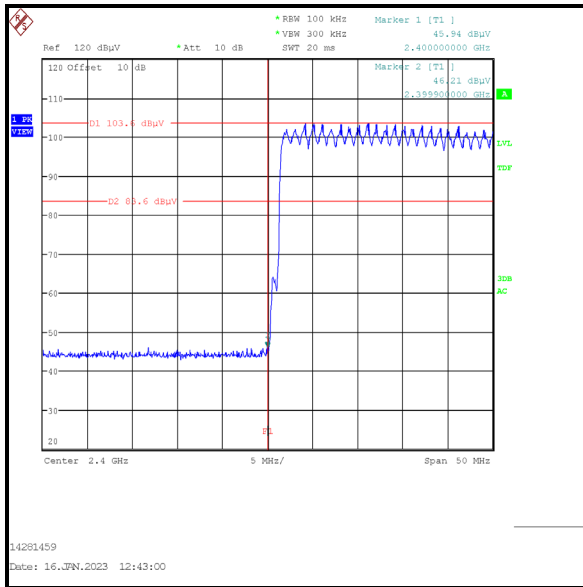
Frequency (MHz)	Antenna Polarity	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2384.744	Horizontal	53.6	74.0	20.4	Complied

**Results: 2310 MHz to 2390 MHz Restricted Band / Average**

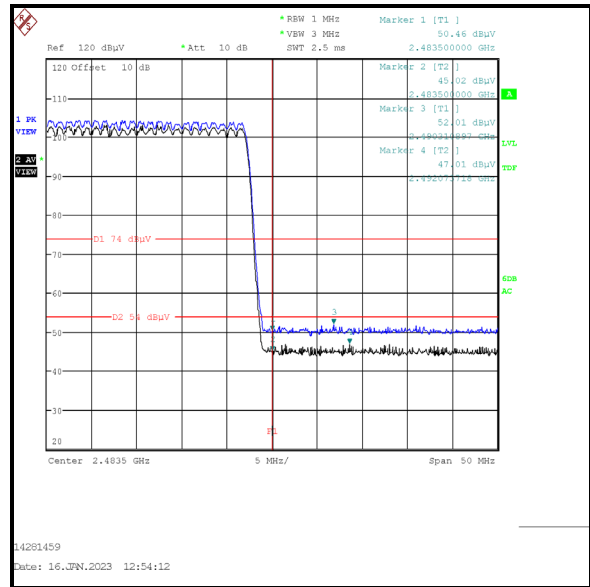
Frequency (MHz)	Antenna Polarity	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2376.410	Horizontal	48.0	54.0	6.0	Complied

### Transmitter Band Edge Radiated Emissions (continued)

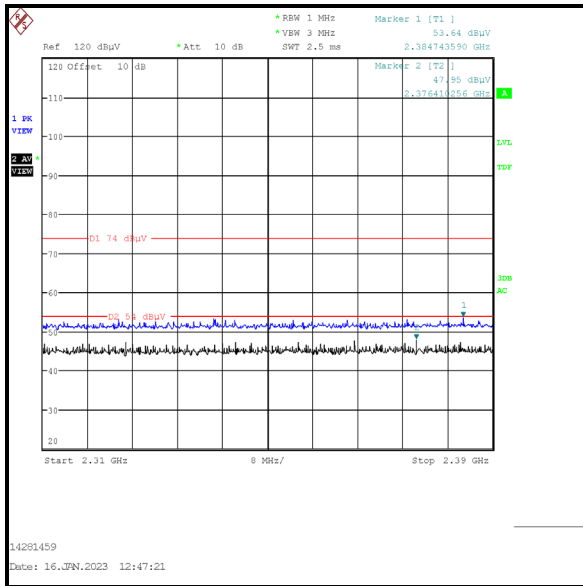
#### Results: Hopping Mode / 2DH5 / SISO / Core 2



Lower Band Edge



Upper Band Edge



2310 MHz to 2390 MHz Restricted Band

**Transmitter Band Edge Radiated Emissions (continued)****Results: Static Mode / 3DH5 / SISO / Core 2**

Frequency (MHz)	Antenna Polarity	Peak Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2399.800	Horizontal	46.7	82.6*	35.9	Complied
2400.0	Horizontal	45.4	82.6*	37.2	Complied
2483.5	Horizontal	50.5	74.0	23.5	Complied
2495.240	Horizontal	51.8	74.0	22.2	Complied

Frequency (MHz)	Antenna Polarity	Average Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2483.5	Horizontal	31.5**	54.0	22.5	Complied

**Results: 2310 MHz to 2390 MHz Restricted Band / Peak**

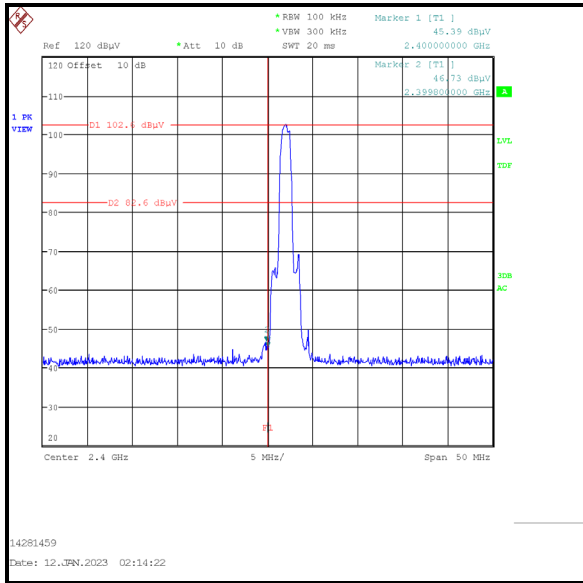
Frequency (MHz)	Antenna Polarity	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2372.564	Horizontal	53.6	74.0	20.4	Complied

**Results: 2310 MHz to 2390 MHz Restricted Band / Average**

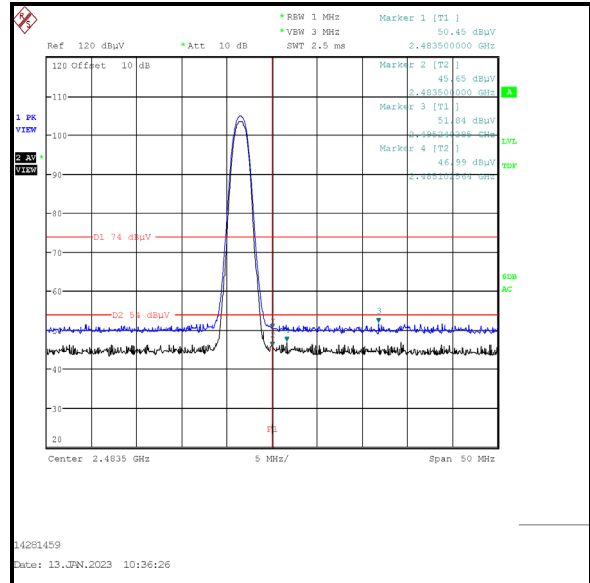
Frequency (MHz)	Antenna Polarity	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2316.154	Horizontal	48.4	54.0	5.6	Complied

### Transmitter Band Edge Radiated Emissions (continued)

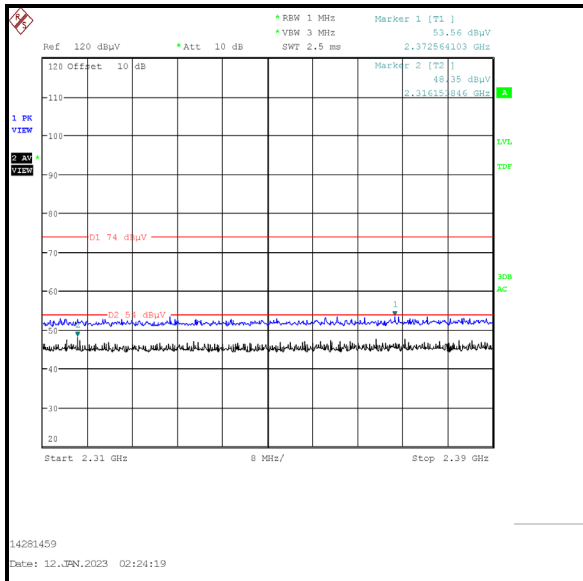
#### Results: Static Mode / 3DH5 / SISO / Core 2



Lower Band Edge



Upper Band Edge



2310 MHz to 2390 MHz Restricted Band

**Transmitter Band Edge Radiated Emissions (continued)****Results: Hopping Mode / 3DH5 / SISO / Core 2**

Frequency (MHz)	Antenna Polarity	Peak Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2399.600	Horizontal	44.2	83.7*	39.5	Complied
2400.0	Horizontal	43.2	83.7*	40.5	Complied
2483.5	Horizontal	50.5	74.0	23.5	Complied
2498.564	Horizontal	53.6	74.0	20.4	Complied

Frequency (MHz)	Antenna Polarity	Average Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2483.5	Horizontal	31.5**	54.0	22.5	Complied

**Results: 2310 MHz to 2390 MHz Restricted Band / Peak**

Frequency (MHz)	Antenna Polarity	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2353.077	Horizontal	53.4	74.0	20.6	Complied

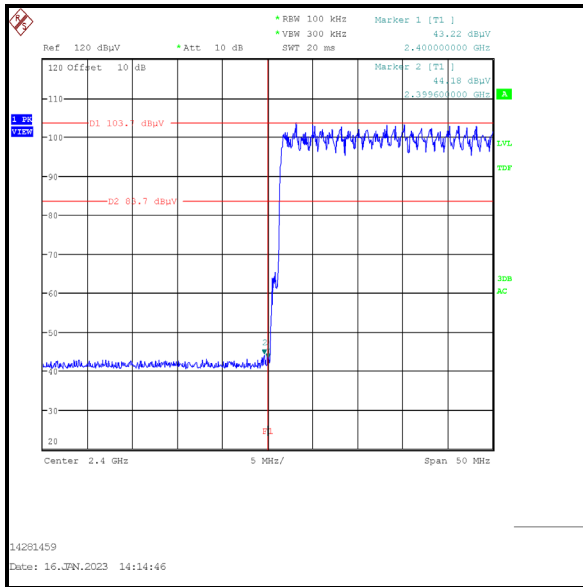
**Results: 2310 MHz to 2390 MHz Restricted Band / Average**

Frequency (MHz)	Antenna Polarity	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2381.923	Horizontal	47.6	54.0	6.4	Complied

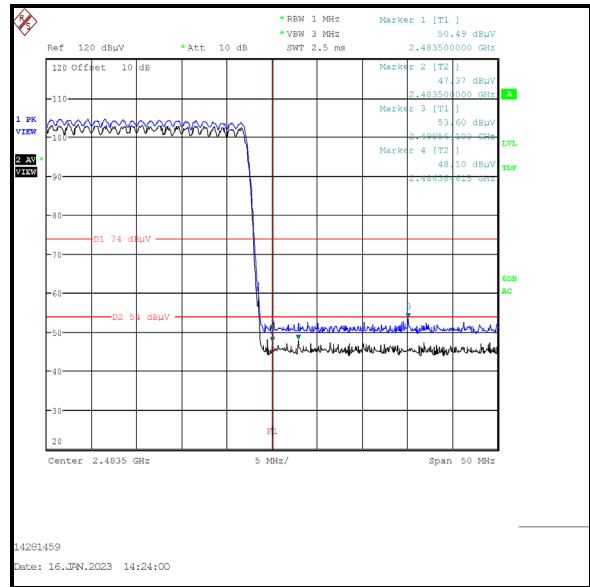


### Transmitter Band Edge Radiated Emissions (continued)

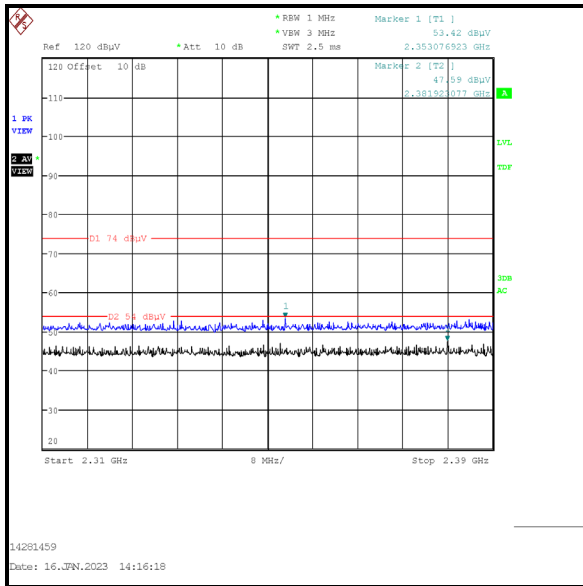
### Results: Hopping Mode / 3DH5 / SISO / Core 2



Lower Band Edge



Upper Band Edge



2310 MHz to 2390 MHz Restricted Band

**Transmitter Band Edge Radiated Emissions (continued)****Results: Static Mode / DH5 / Beamforming / Core 0 + Core 1**

Frequency (MHz)	Antenna Polarity	Peak Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2399.600	Horizontal	45.3	91.1*	45.8	Complied
2400.0	Horizontal	44.5	91.1*	46.6	Complied
2483.5	Horizontal	53.1	74.0	20.9	Complied
2493.917	Horizontal	54.3	74.0	19.7	Complied

Frequency (MHz)	Antenna Polarity	Average Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2483.5	Horizontal	34.1**	54.0	19.9	Complied

**Results: 2310 MHz to 2390 MHz Restricted Band / Peak**

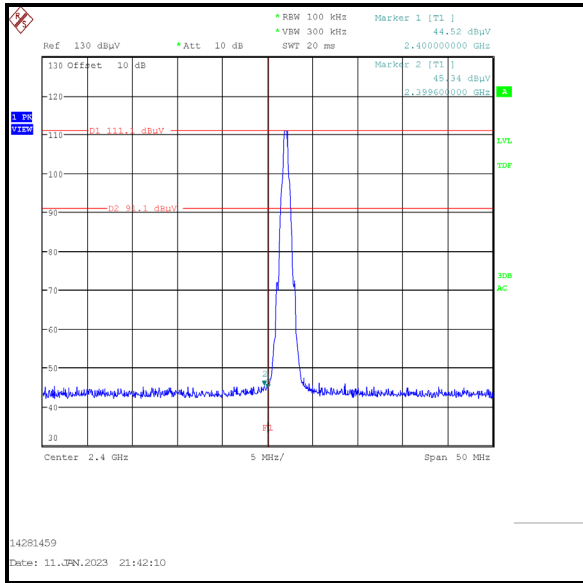
Frequency (MHz)	Antenna Polarity	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2388.846	Horizontal	53.8	74.0	20.2	Complied

**Results: 2310 MHz to 2390 MHz Restricted Band / Average**

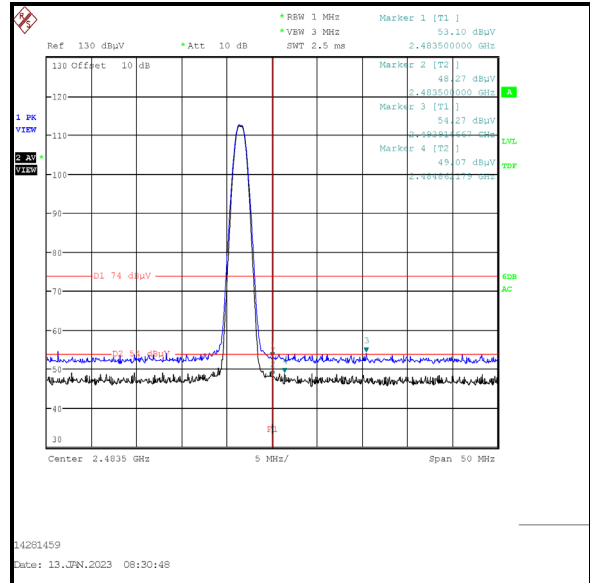
Frequency (MHz)	Antenna Polarity	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2359.359	Horizontal	47.6	54.0	6.4	Complied

**Transmitter Band Edge Radiated Emissions (continued)**

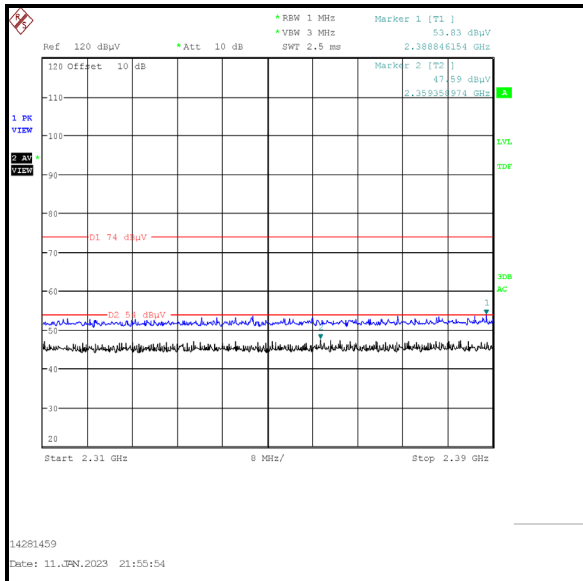
**Results: Static Mode / DH5 / Beamforming / Core 0 + Core 1**



**Lower Band Edge**



**Upper Band Edge**



**2310 MHz to 2390 MHz Restricted Band**

**Transmitter Band Edge Radiated Emissions (continued)****Results: Hopping Mode / DH5 / Beamforming / Core 0 + Core 1**

Frequency (MHz)	Antenna Polarity	Peak Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2399.950	Horizontal	49.3	91.4*	42.1	Complied
2400.0	Horizontal	44.7	91.4*	46.7	Complied
2483.5	Horizontal	52.6	74.0	21.4	Complied
2499.606	Horizontal	54.5	74.0	19.5	Complied

Frequency (MHz)	Antenna Polarity	Average Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2483.5	Horizontal	33.6**	54.0	20.4	Complied

**Results: 2310 MHz to 2390 MHz Restricted Band / Peak**

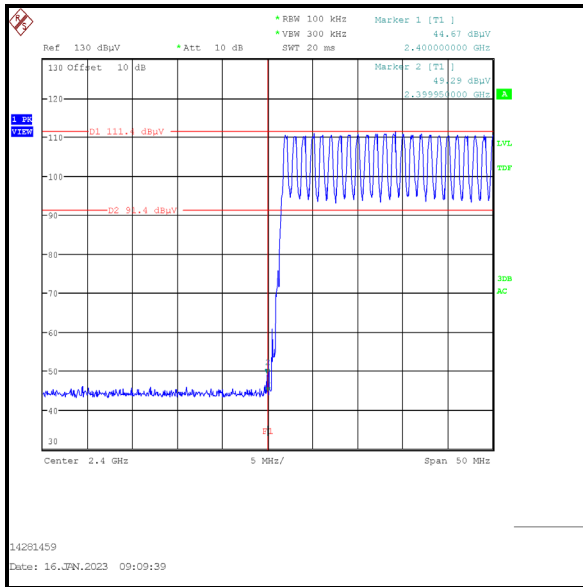
Frequency (MHz)	Antenna Polarity	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2334.487	Horizontal	53.2	74.0	20.8	Complied

**Results: 2310 MHz to 2390 MHz Restricted Band / Average**

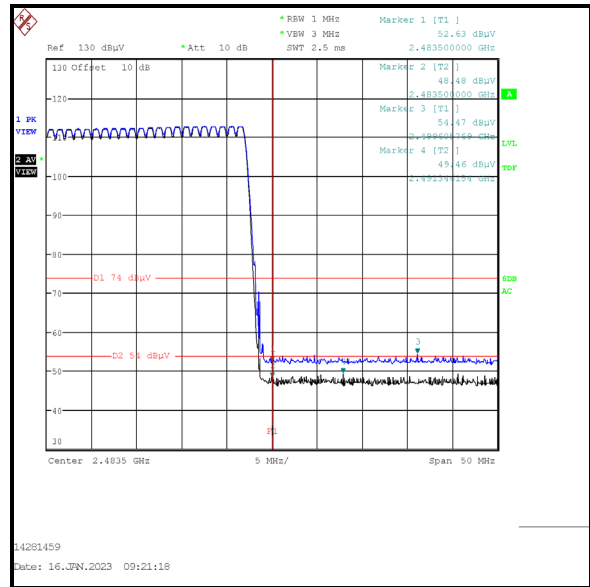
Frequency (MHz)	Antenna Polarity	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2346.795	Horizontal	48.0	54.0	6.0	Complied

**Transmitter Band Edge Radiated Emissions (continued)**

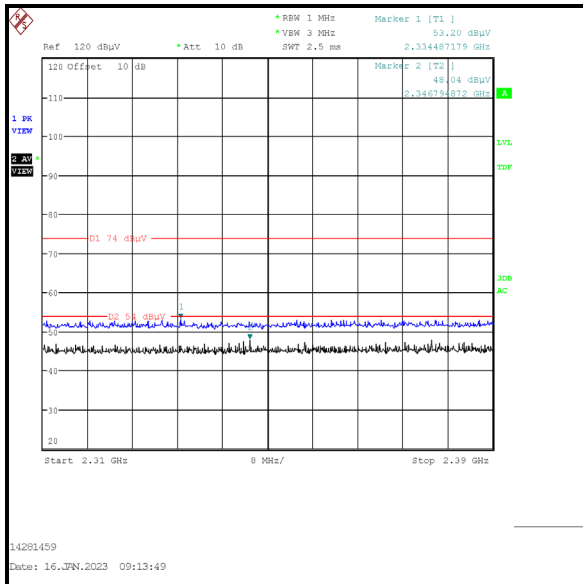
**Results: Hopping Mode / DH5 / Beamforming / Core 0 + Core 1**



**Lower Band Edge**



**Upper Band Edge**



**2310 MHz to 2390 MHz Restricted Band**

**Transmitter Band Edge Radiated Emissions (continued)****Results: Static Mode / 2DH5 / Beamforming / Core 0 + Core 1**

Frequency (MHz)	Antenna Polarity	Peak Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2400.0	Horizontal	51.1	87.7*	36.6	Complied
2483.5	Horizontal	52.8	74.0	21.2	Complied
2492.795	Horizontal	54.3	74.0	19.7	Complied

Frequency (MHz)	Antenna Polarity	Average Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2483.5	Horizontal	33.8**	54.0	20.2	Complied

**Results: 2310 MHz to 2390 MHz Restricted Band / Peak**

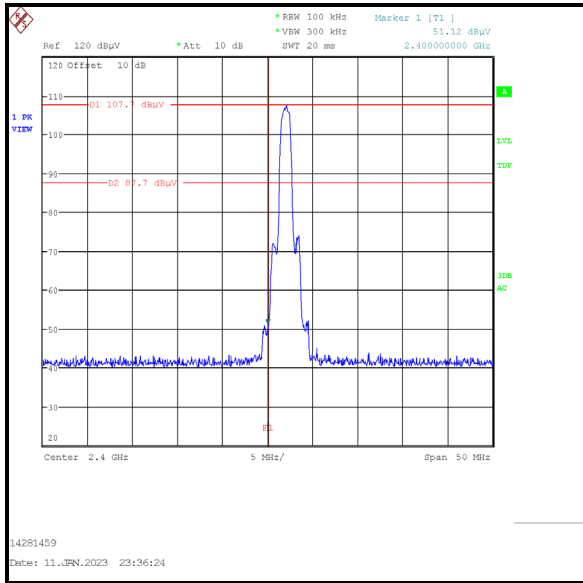
Frequency (MHz)	Antenna Polarity	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2313.590	Horizontal	54.3	74.0	19.7	Complied

**Results: 2310 MHz to 2390 MHz Restricted Band / Average**

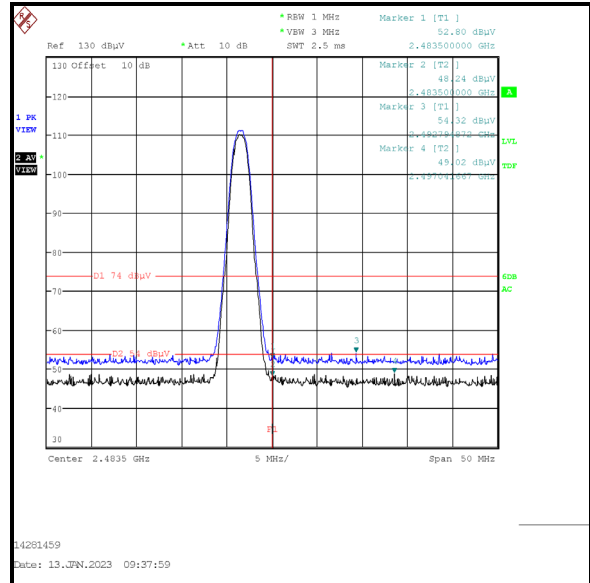
Frequency (MHz)	Antenna Polarity	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2388.590	Horizontal	47.7	54.0	6.3	Complied

**Transmitter Band Edge Radiated Emissions (continued)**

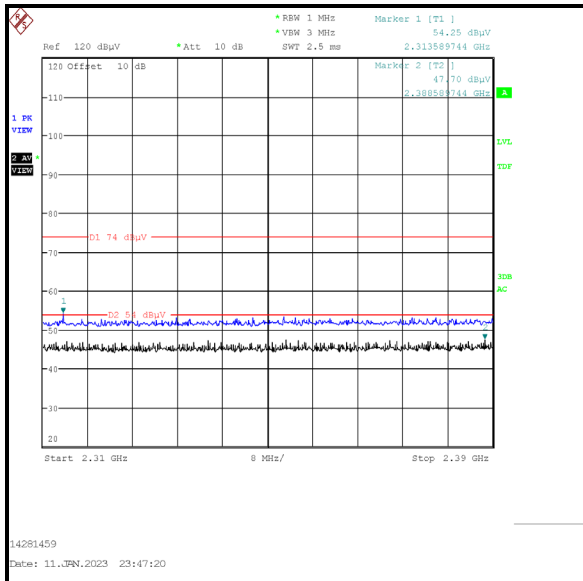
**Results: Static Mode / 2DH5 / Beamforming / Core 0 + Core 1**



**Lower Band Edge**



**Upper Band Edge**



**2310 MHz to 2390 MHz Restricted Band**

**Transmitter Band Edge Radiated Emissions (continued)****Results: Hopping Mode / 2DH5 / Beamforming / Core 0 + Core 1**

Frequency (MHz)	Antenna Polarity	Peak Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2399.700	Horizontal	50.5	87.8*	37.3	Complied
2400.0	Horizontal	47.7	87.8*	40.1	Complied
2483.5	Horizontal	52.5	74.0	21.5	Complied
2490.551	Horizontal	54.8	74.0	19.2	Complied

Frequency (MHz)	Antenna Polarity	Average Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2483.5	Horizontal	33.5**	54.0	20.5	Complied

**Results: 2310 MHz to 2390 MHz Restricted Band / Peak**

Frequency (MHz)	Antenna Polarity	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2361.923	Horizontal	53.9	74.0	20.1	Complied

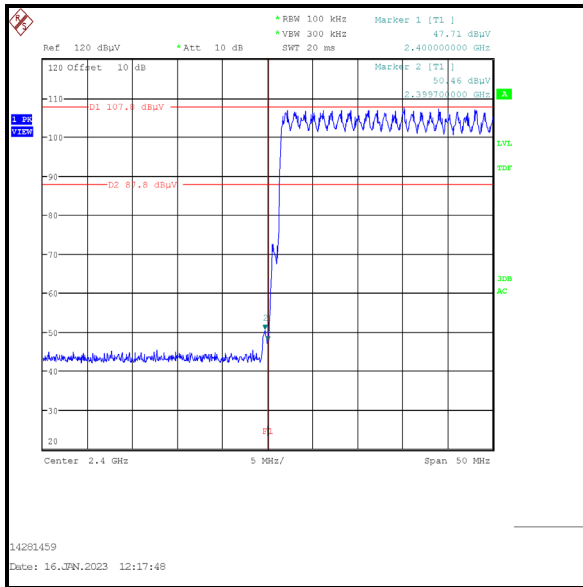
**Results: 2310 MHz to 2390 MHz Restricted Band / Average**

Frequency (MHz)	Antenna Polarity	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2379.872	Horizontal	47.8	54.0	6.2	Complied

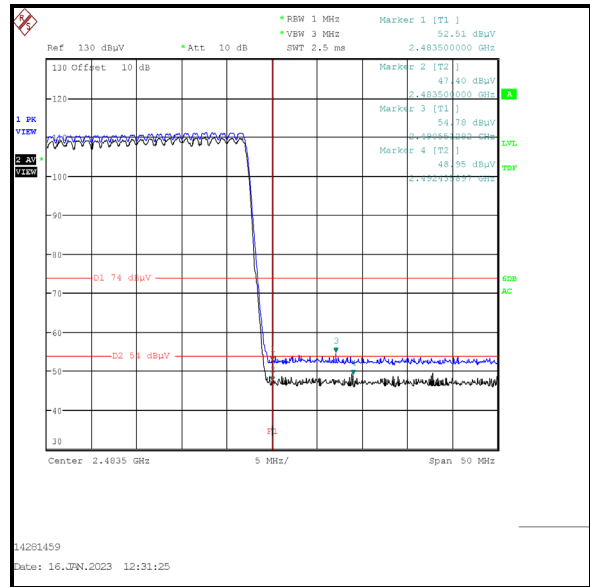


**Transmitter Band Edge Radiated Emissions (continued)**

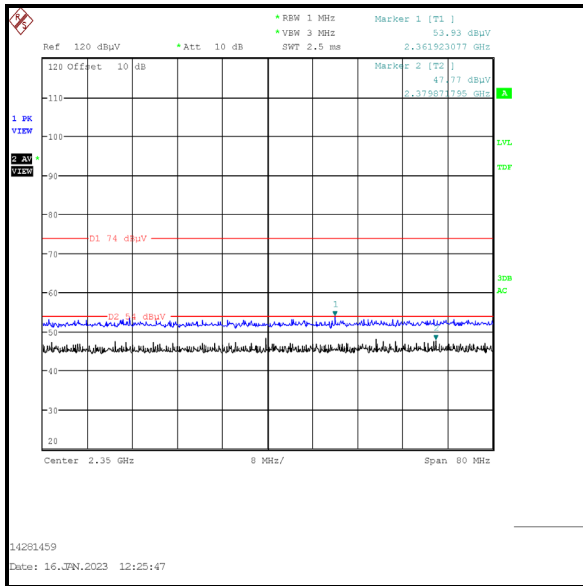
**Results: Hopping Mode / 2DH5 / Beamforming / Core 0 + Core 1**



**Lower Band Edge**



**Upper Band Edge**



**2310 MHz to 2390 MHz Restricted Band**

**Transmitter Band Edge Radiated Emissions (continued)****Results: Static Mode / 3DH5 / Beamforming / Core 0 + Core 1**

Frequency (MHz)	Antenna Polarity	Peak Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2399.800	Horizontal	51.4	87.8*	36.4	Complied
2400.0	Horizontal	49.9	87.8*	37.9	Complied
2483.5	Horizontal	53.5	74.0	20.5	Complied
2497.483	Horizontal	54.0	74.0	20.0	Complied

Frequency (MHz)	Antenna Polarity	Average Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2483.5	Horizontal	34.5**	54.0	19.5	Complied

**Results: 2310 MHz to 2390 MHz Restricted Band / Peak**

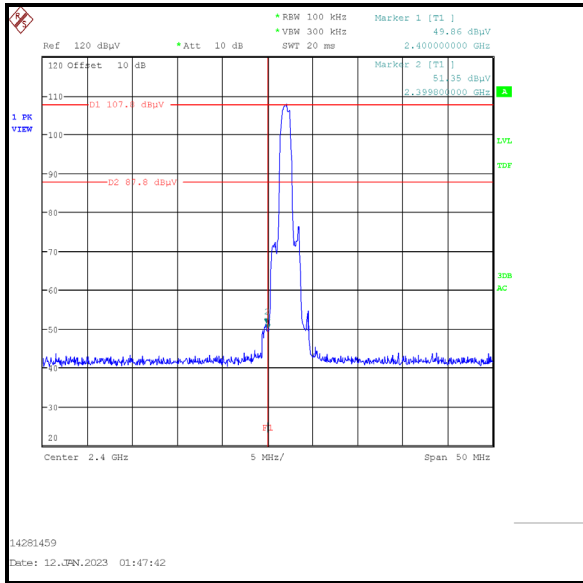
Frequency (MHz)	Antenna Polarity	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2363.462	Horizontal	53.7	74.0	20.3	Complied

**Results: 2310 MHz to 2390 MHz Restricted Band / Average**

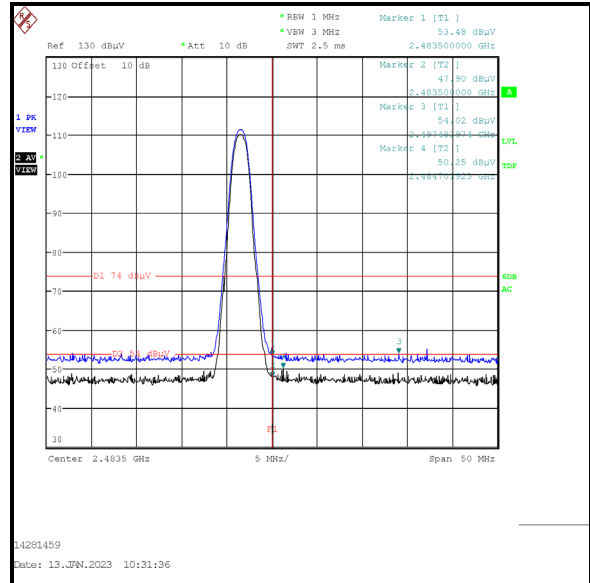
Frequency (MHz)	Antenna Polarity	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2318.205	Horizontal	48.1	54.0	5.9	Complied

**Transmitter Band Edge Radiated Emissions (continued)**

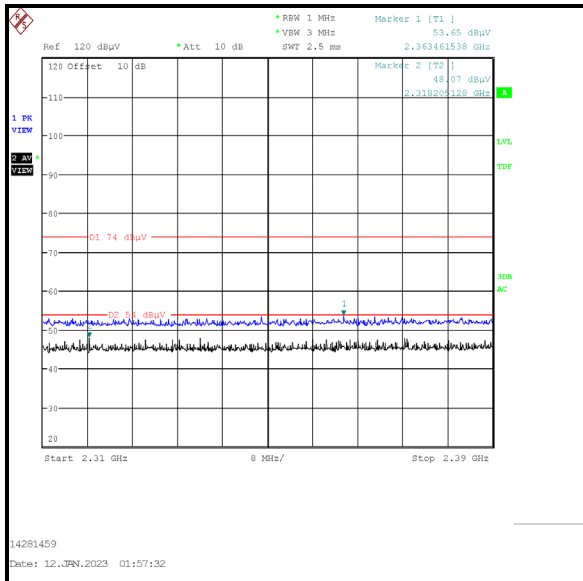
**Results: Static Mode / 3DH5 / Beamforming / Core 0 + Core 1**



**Lower Band Edge**



**Upper Band Edge**



**2310 MHz to 2390 MHz Restricted Band**

**Transmitter Band Edge Radiated Emissions (continued)****Results: Hopping Mode / 3DH5 / Beamforming / Core 0 + Core 1**

Frequency (MHz)	Antenna Polarity	Peak Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2399.750	Horizontal	50.6	87.9*	37.3	Complied
2400.0	Horizontal	49.0	87.9*	38.9	Complied
2483.5	Horizontal	52.1	74.0	21.9	Complied
2499.359	Horizontal	53.5	74.0	20.5	Complied

Frequency (MHz)	Antenna Polarity	Average Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2483.5	Horizontal	33.1**	54.0	20.9	Complied

**Results: 2310 MHz to 2390 MHz Restricted Band / Peak**

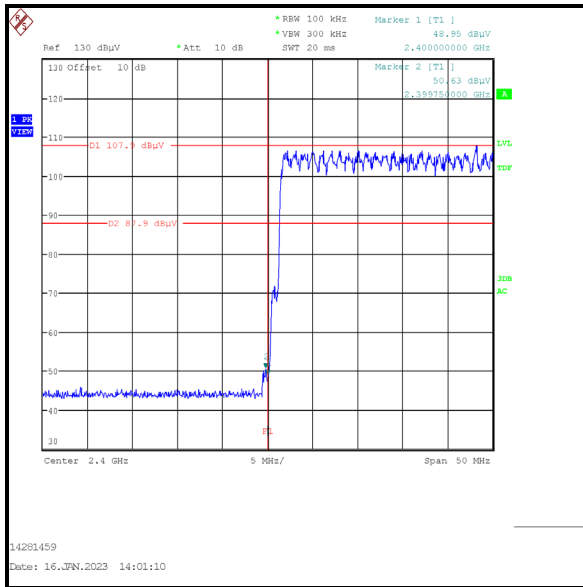
Frequency (MHz)	Antenna Polarity	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2356.282	Horizontal	54.1	74.0	19.9	Complied

**Results: 2310 MHz to 2390 MHz Restricted Band / Average**

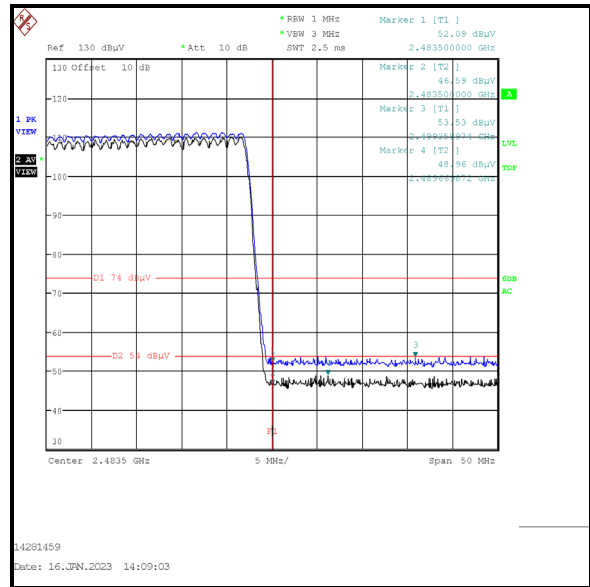
Frequency (MHz)	Antenna Polarity	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
2369.231	Horizontal	48.6	54.0	5.4	Complied

**Transmitter Band Edge Radiated Emissions (continued)**

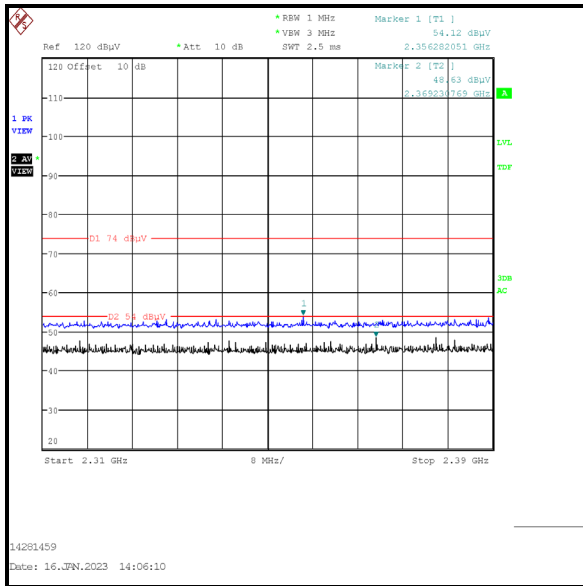
**Results: Hopping Mode / 3DH5 / Beamforming / Core 0 + Core 1**



**Lower Band Edge**



**Upper Band Edge**



**2310 MHz to 2390 MHz Restricted Band**

## **Appendix 1**

### **FHSS Duty Cycle Correction Factor Calculation**

In accordance with KDB 558074 section 9 and ANSI C63.10 section 7.5, a duty cycle correction factor may be applied to calculate the average radiated field strength emission levels for an FHSS device.

The following values were taken from the *Bluetooth* Core Specification V5.0 to give the worst case correction:

Modulation	DH5, 2DH5 and 3DH5
Channel Hopping Rate (Hops/s)	1600
Tx Timeslots	5
Rx Timeslots	1
Adjusted Hopping Rate for Adaptive Frequency Hopping (Hops/s)	266.667
Time per Hop (ms)	3.75
Minimum Number of Channels	20
Time per Hop Sequence (ms)	75
Maximum Number of Hops on One Channel in any 100 ms Observation Period	3
Maximum Dwell Time on One Channel in any 100 ms Observation Period (ms)	11.25
Calculated Duty cycle correction factor applied (dB)	19.0
Maximum Duty cycle correction factor applied (dB)	19.0

The duty cycle correction factor was calculated based on the above values:

$$DH5, 2DH5 \text{ and } 3DH5: 20 * \text{Log}(11.25 \text{ ms} / 100 \text{ ms}) = 19.0 \text{ dB}$$

**--- END OF REPORT ---**