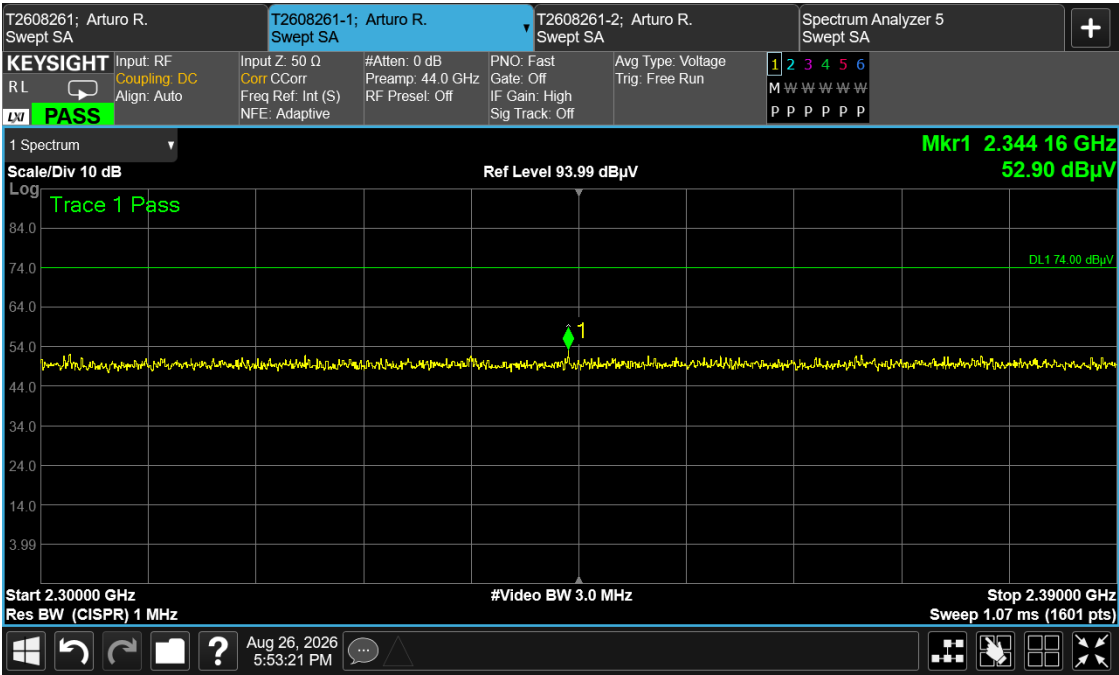


Annex E – FCC §15.209 Band Edges Measurement

*correction factor = Antenna Factor + Cable Loss

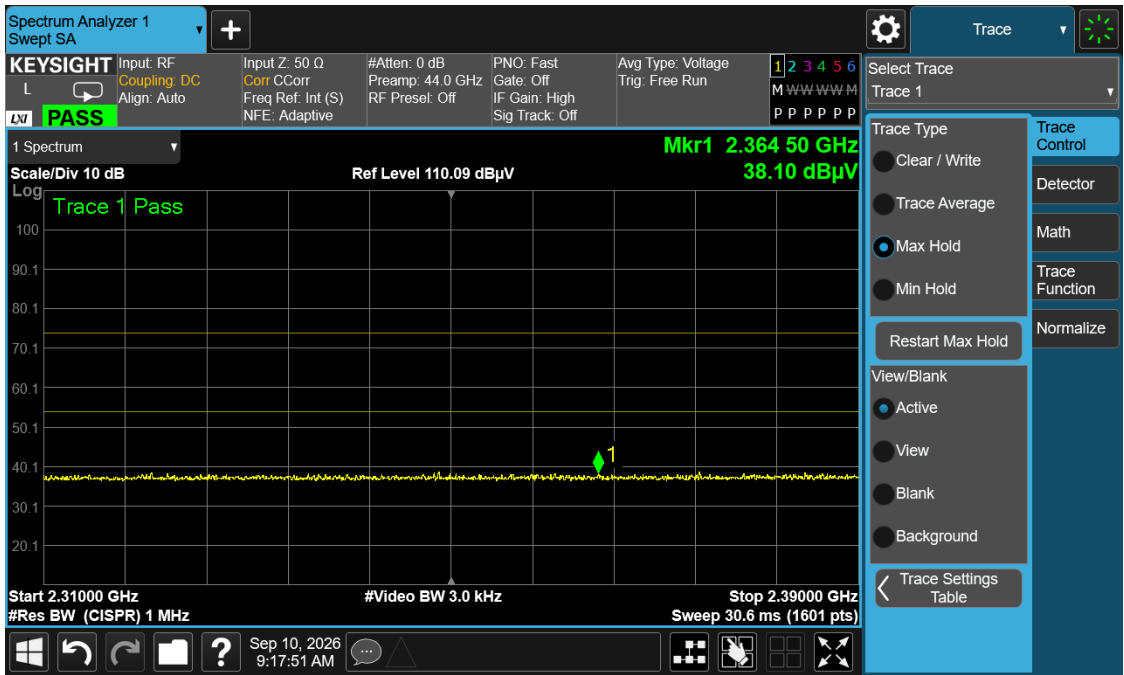
BLE 1M PHY mode

Low Channel (2402 MHz), Lower Band Edge, Peak Measurement



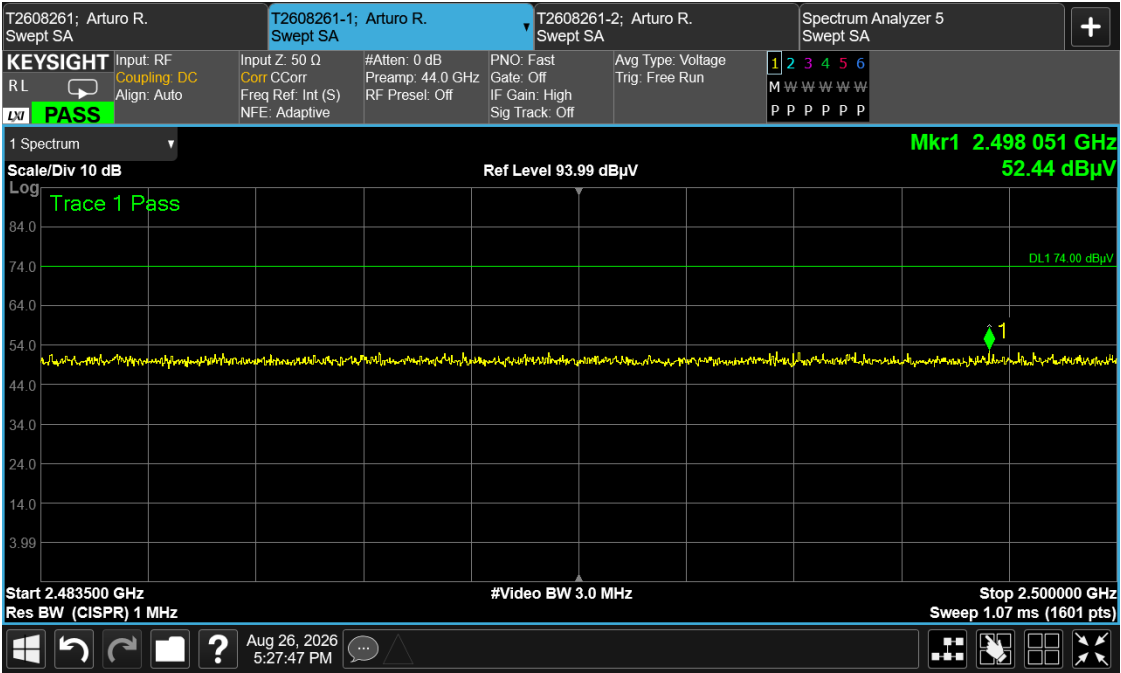
Frequency (MHz)	S.A. Reading (dBμV)	Correction Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
2344.16	15.623	37.277	52.9	74	-21.1	Peak

Low Channel (2402 MHz), Lower Band Edge, Average Measurement



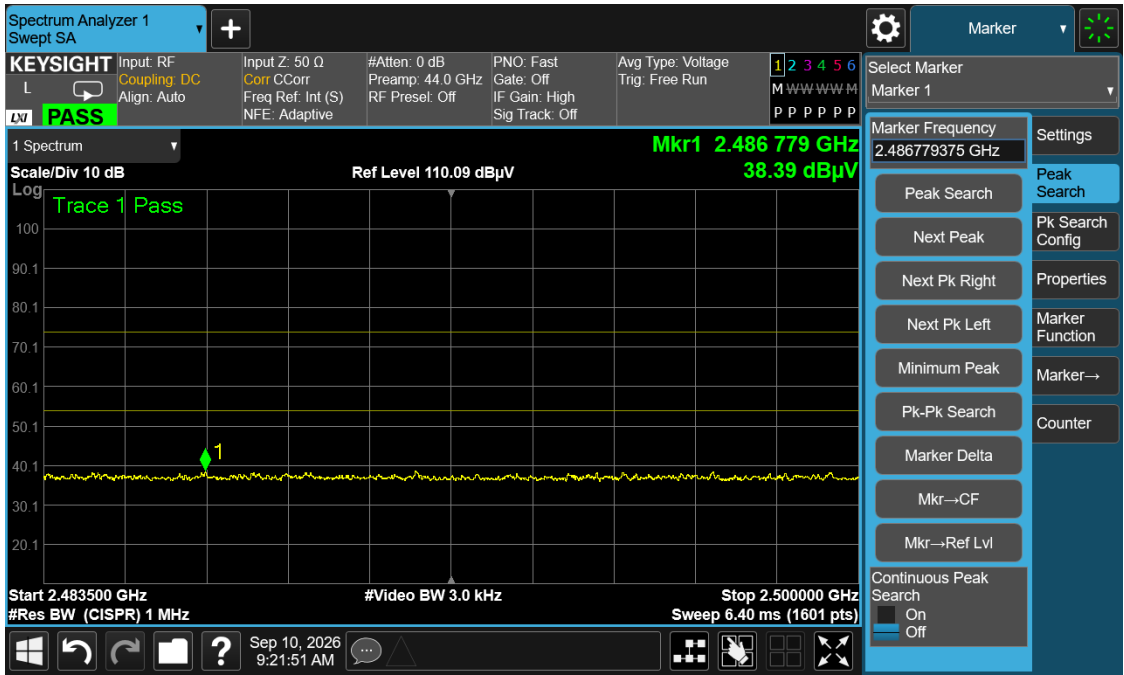
Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
2364.5	0.443	37.657	38.1	54	-15.9	Avg

High Channel (2480 MHz), Upper Band Edge, Peak Measurement



Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
2498.051	14.466	37.974	52.44	74	-21.56	Peak

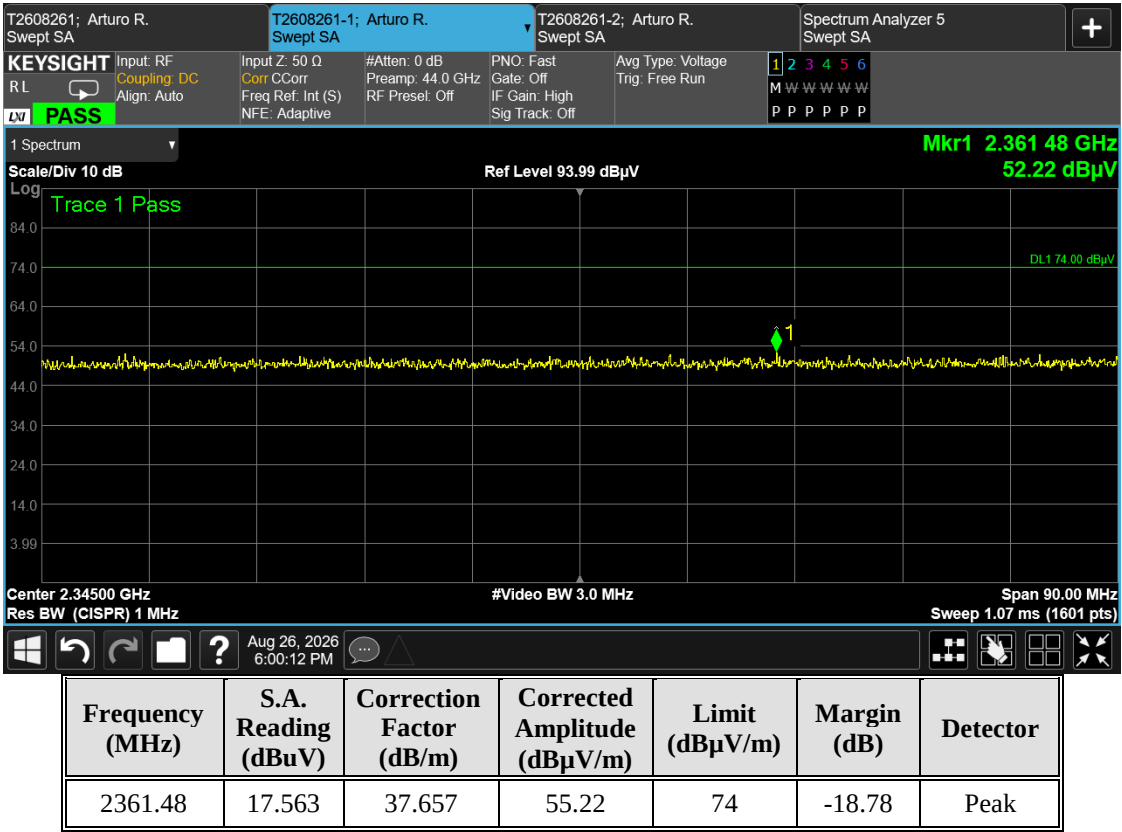
High Channel (2480 MHz), Upper Band Edge, Average Measurement



Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
2486.779	0.416	37.974	38.39	54	-15.61	Avg

BLE 2M PHY mode

Low Channel (2402 MHz), Lower Band Edge, Peak Measurement



Spectrum Analyzer 1 Swept SA

KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corr: CCorr Freq Ref: Int (S) NFE: Adaptive #Atten: 0 dB Preamp: 44.0 GHz RF Preset: Off PNO: Fast Gate: Off IF Gain: High Sig Track: Off Avg Type: Voltage Trig: Free Run

1 Spectrum Scale/Div 10 dB Ref Level 110.09 dBμV

Trace 1 Pass

Mkr1 2.346 60 GHz 39.76 dBμV

Start 2.31000 GHz #Res BW (CISPR) 1 MHz #Video BW 5.1 kHz Stop 2.39000 GHz Sweep 18.0 ms (1601 pts)

Select Marker Marker 1

Marker Frequency 2.346600000 GHz

Peak Search

Next Peak

Next Pk Right

Next Pk Left

Minimum Peak

Pk-Pk Search

Marker Delta

Mkr→CF

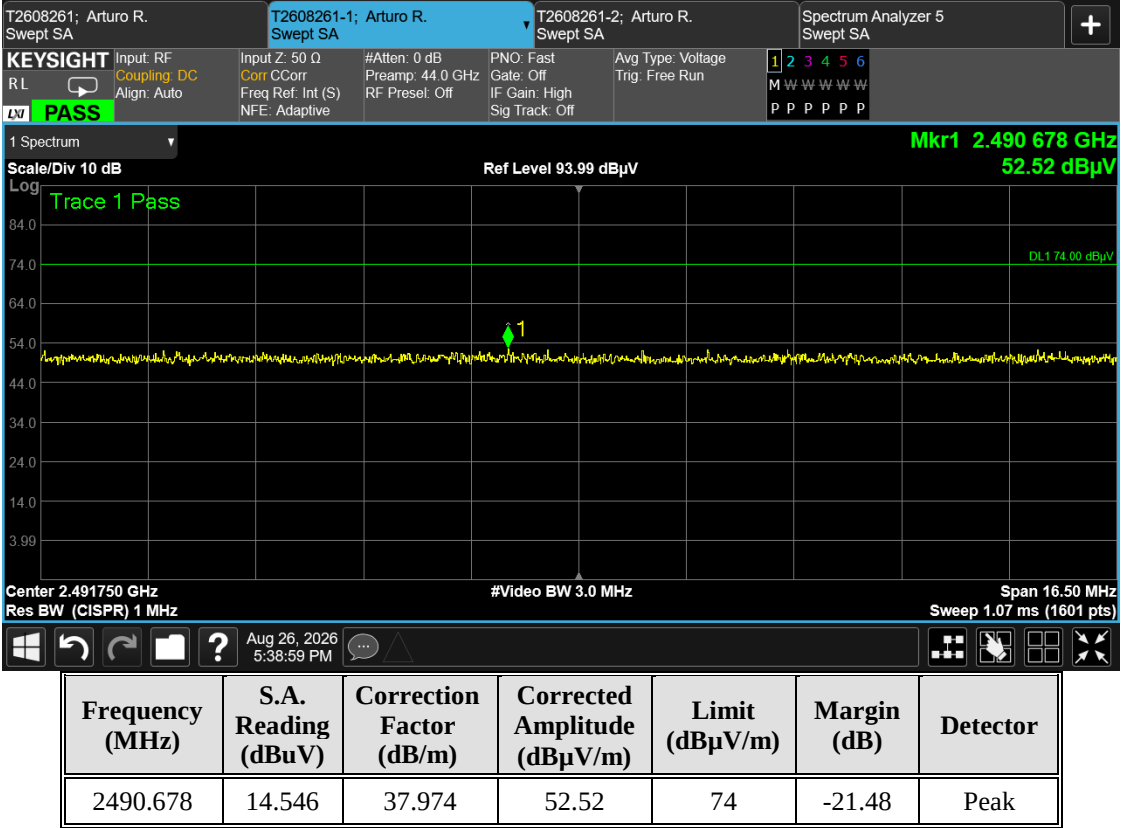
Mkr→Ref Lvl

Continuous Peak Search On

Settings

Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
2346.6	2.483	37.277	39.76	54	-14.24	Avg

High Channel (2478 MHz), Upper Band Edge, Peak Measurement



Frequency (MHz)	S.A. Reading (dBμV)	Correction Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
2490.678	14.546	37.974	52.52	74	-21.48	Peak

Keysight Spectrum Analyzer 1 Swept SA

Input Z: 50 Ω
Coupling: DC
Align: Auto

Input Z: 50 Ω
Corr: CCorr
Freq Ref: Int (S)
NFE: Adaptive

#Atten: 0 dB
Preamp: 44.0 GHz
RF Preset: Off

PNO: Fast
Gate: Off
IF Gain: High
Sig Track: Off

Avg Type: Voltage
Trng: Free Run

1 2 3 4 5 6
M W W W W M
P P P P P P

Select Marker
Marker 1

Marker Frequency
2.498071563 GHz

Settings

Peak Search

Next Peak

Next Pk Right

Next Pk Left

Minimum Peak

Pk-Pk Search

Marker Delta

Mkr→CF

Mkr→Ref Lvl

Continuous Peak Search
Search
On
Off

1 Spectrum

Scale/Div 10 dB

Ref Level 110.09 dBμV

Mkr1 2.498 072 GHz
40.33 dBμV

Trace 1 Pass

Start 2.483500 GHz
#Res BW (CISPR) 1 MHz

#Video BW 5.1 kHz

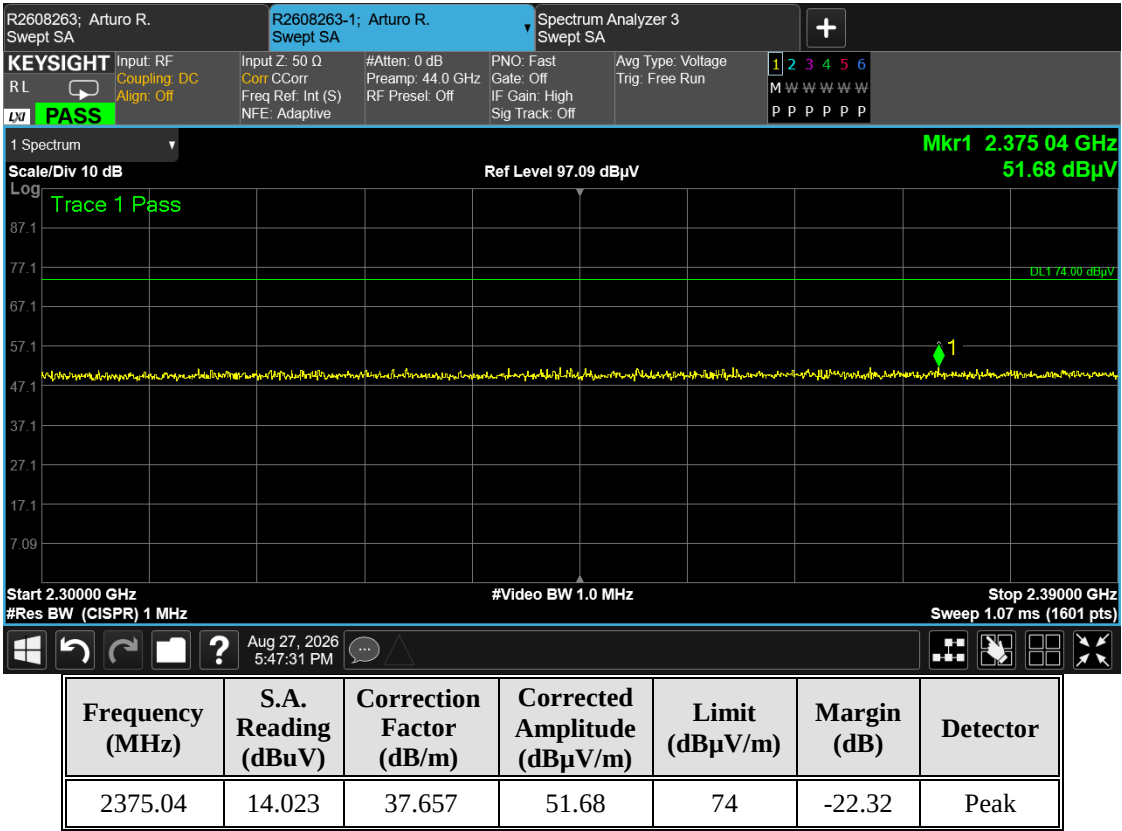
Stop 2.500000 GHz
Sweep 3.73 ms (1601 pts)

Sep 10, 2026
9:31:48 AM

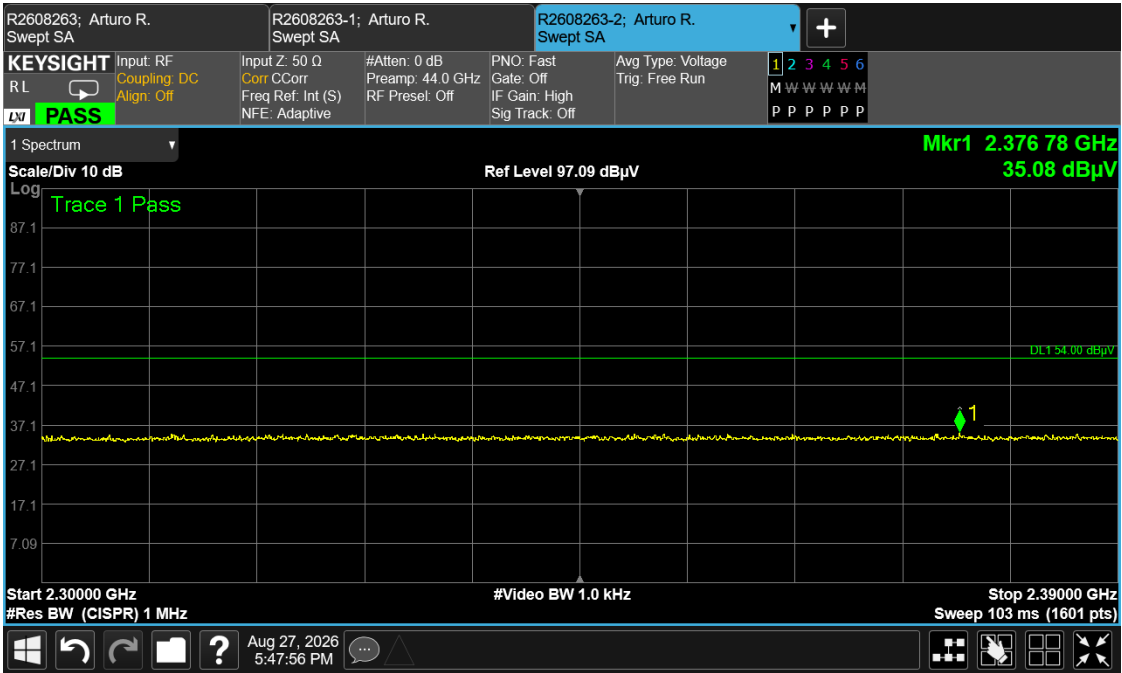
Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
2498.072	2.356	37.974	40.33	54	-13.67	Avg

802.15.4 Zigbee Mode

Low Channel (2405 MHz), Lower Band Edge, Peak Measurement

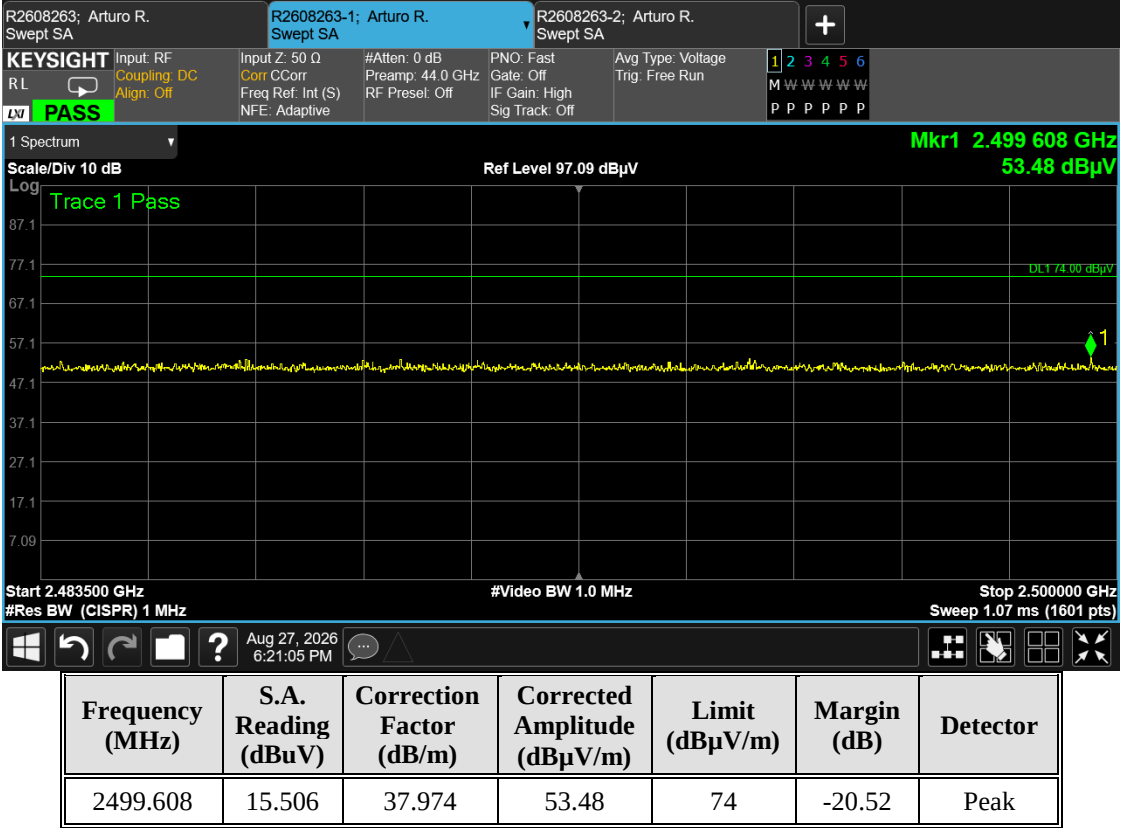


Low Channel (2405 MHz), Lower Band Edge, Average Measurement



Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
2376.78	-2.577	37.657	35.08	54	-18.92	Avg

High Channel (2480 MHz), Upper Band Edge, Peak Measurement



Frequency (MHz)	S.A. Reading (dBμV)	Correction Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
2499.608	15.506	37.974	53.48	74	-20.52	Peak

High Channel (2480 MHz), Upper Band Edge, Average Measurement

