

Annex C – Radiated Emissions Above 40GHz

Naming Convention

Frequency Range (GHz) Sample (LR, W, UW), Measurement (Peak, Average)

Note: LR= Long Range, W=Wide, UW= Ultra-Wide

Note: The correction factors have been considered in the reference level offset as shown in the following measurement screenshots.

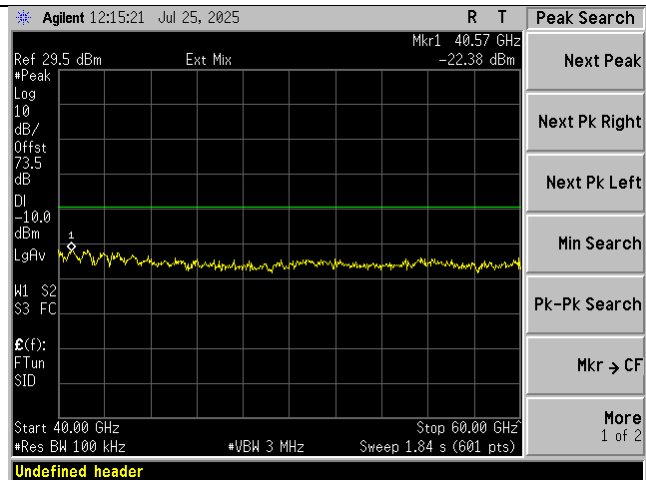
*Note: The correction factors have been considered in the reference level offset as shown in the following measurement screenshots. Offset (dB) = 106.99dB + Antenna Factor (dB/m) + External Mixer Conversion Loss (dB) + 20*log (Xmeters) – 104.8dB. Please note dBm = dBuV – 106.99dB and EIRP (dBm) = E(dBuV/m) + 20log(measurement distance) -104.8dB.*

Note: Reduced RBW was used to show that noise floor indeed meets required limits.

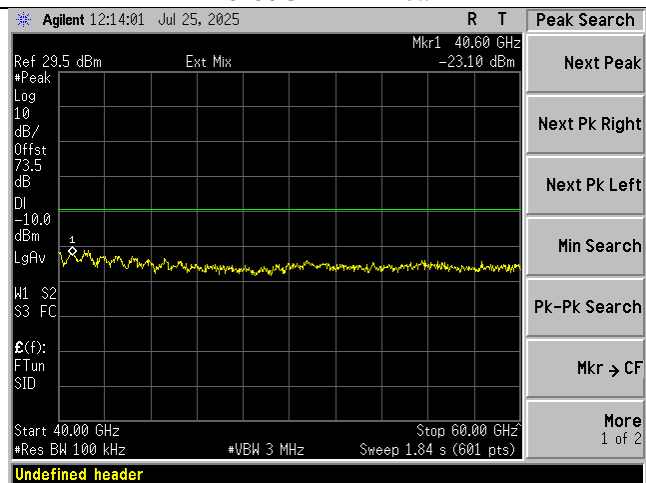
Note: Note stricter limits shown in some cases to show worst-case compliance as testing was also used to evaluate to other domains standard requirements.

Note: per ANSI C63.26-2015, section 5.2.7: dBuV/m = dBm -20log(Distance) +104.8

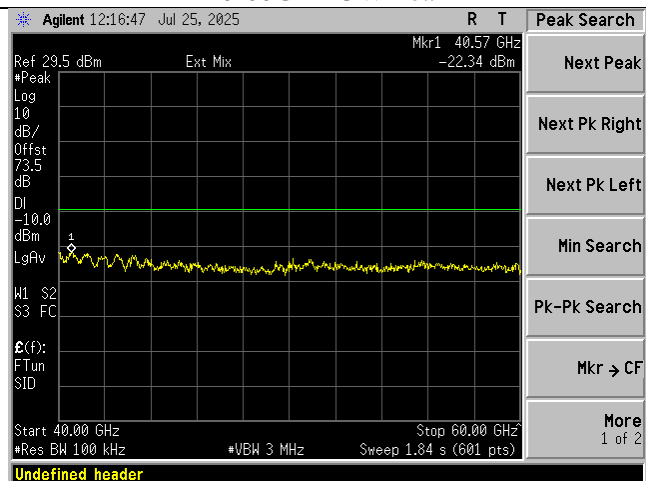
Frequency Range (GHz)	FCC Limit	
	(pW/cm ²) @ 3m	(dBm)
40-76	600	-1.69
81-162	600	-1.69
162-200	600	-1.69
200-231	1000	0.53



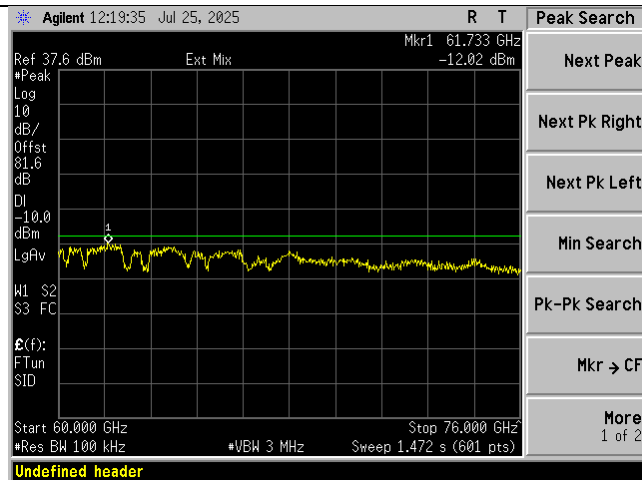
40-60GHz LR Peak



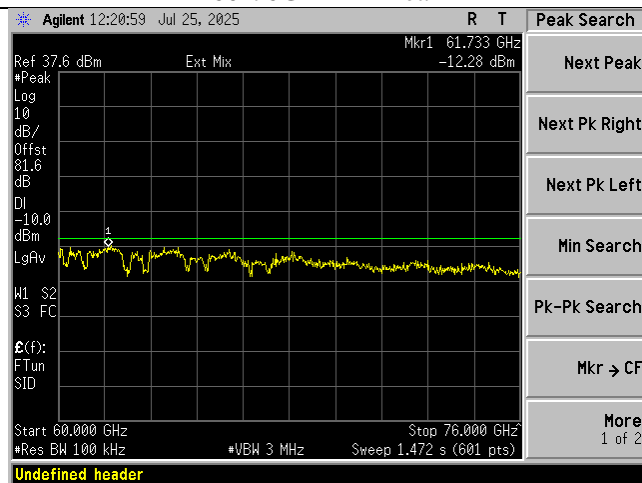
40-60GHz UW Peak



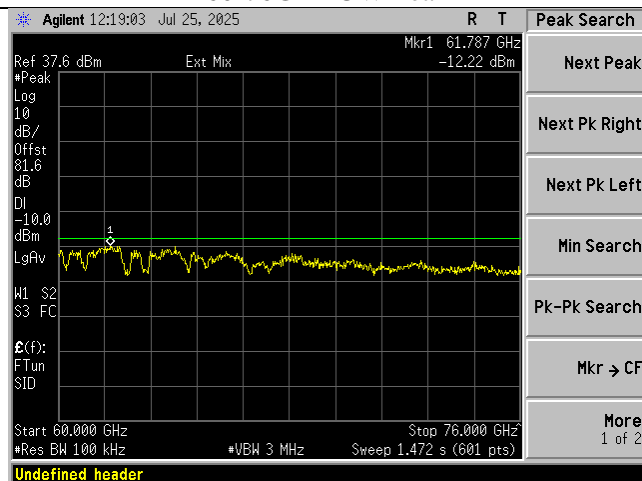
40-60GHz W Peak



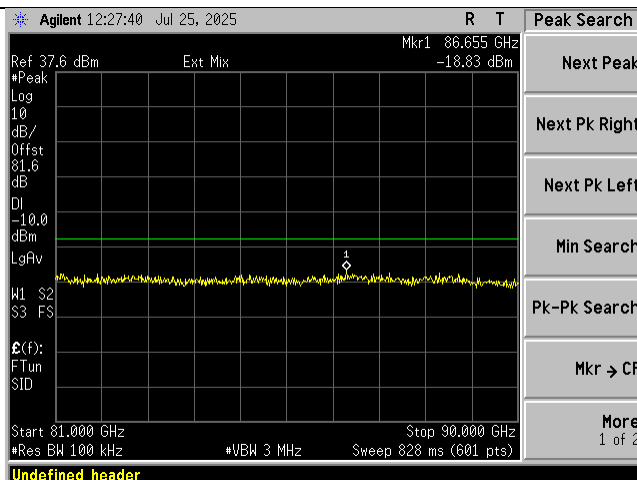
60-76GHz LR Peak



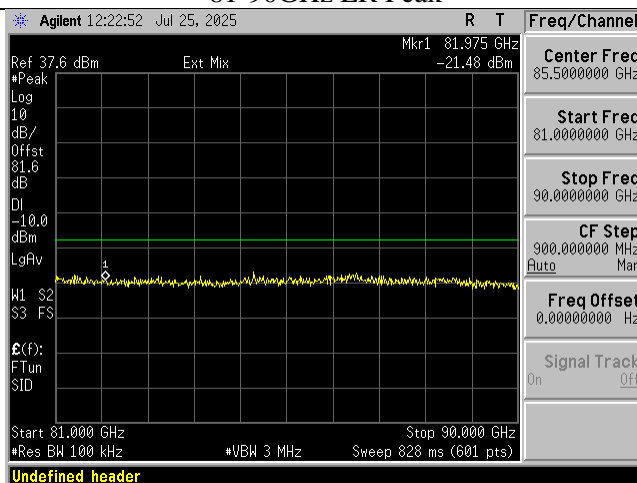
60-76GHz UW Peak



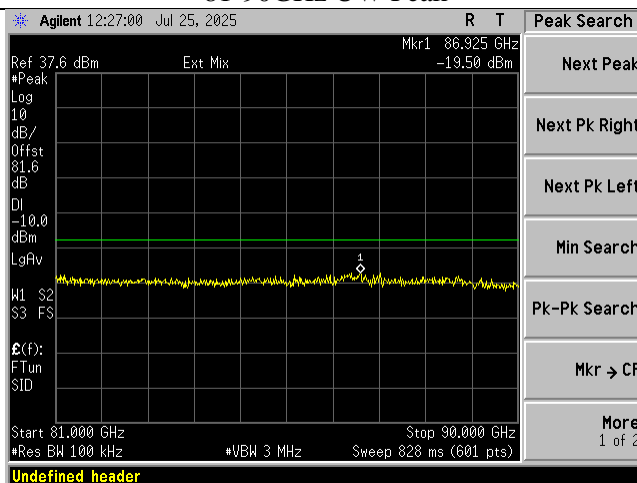
60-76GHz W Peak



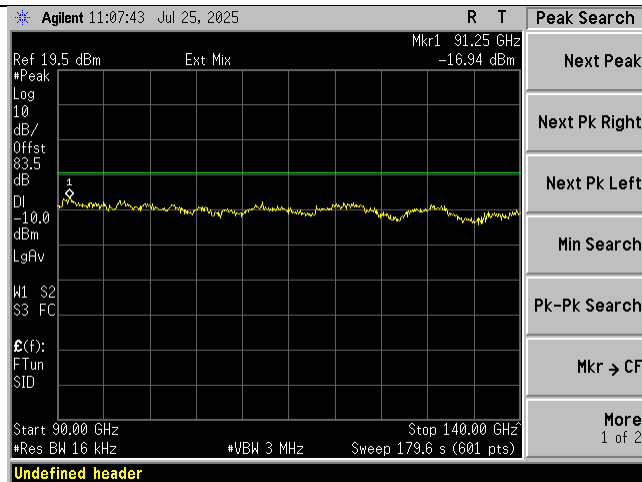
81-90GHz LR Peak



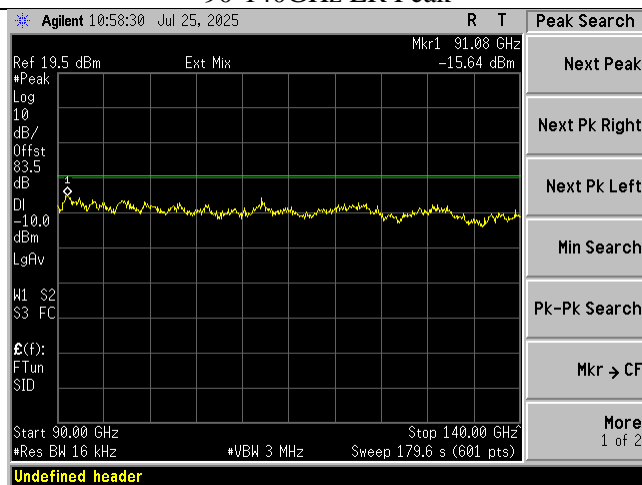
81-90GHz UW Peak



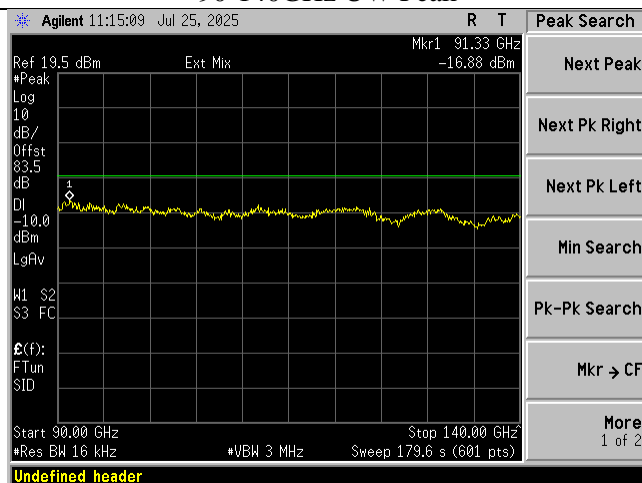
81-90GHz W Peak



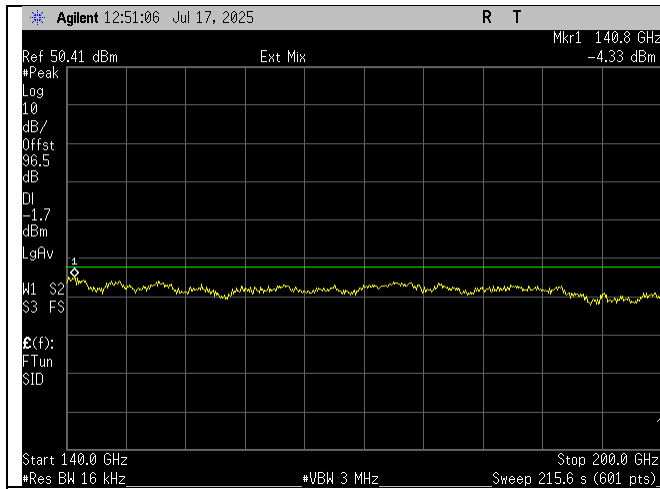
90-140GHz LR Peak



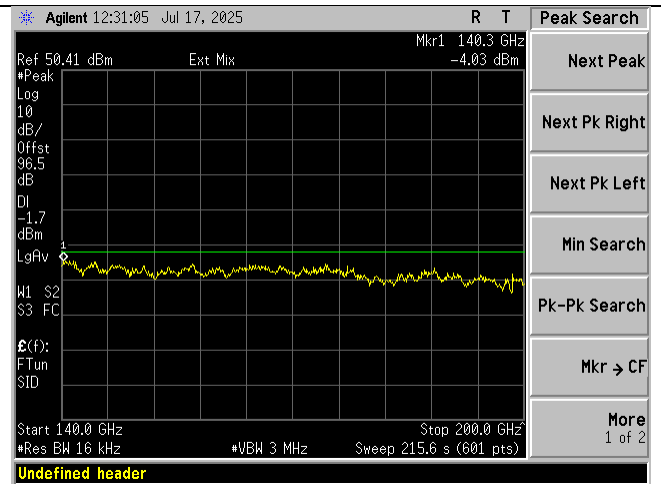
90-140GHz UW Peak



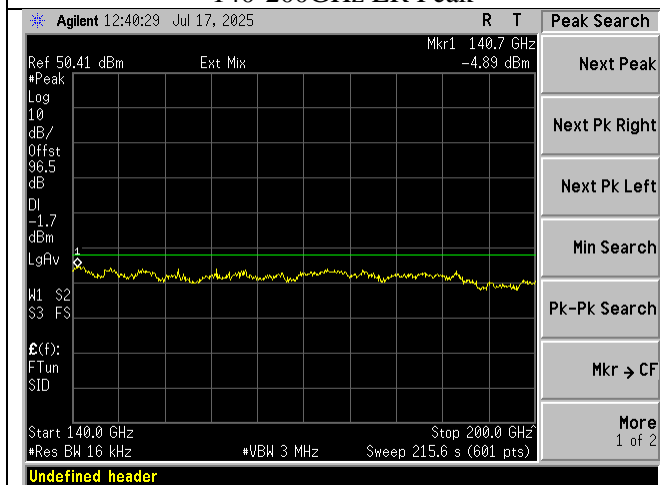
90-140GHz W Peak



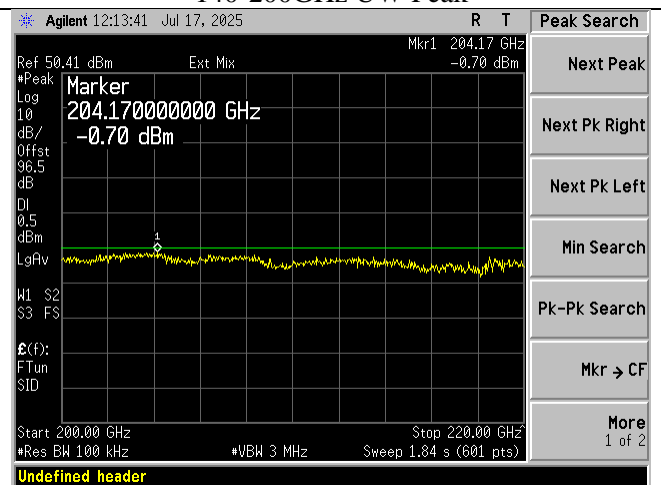
140-200GHz LR Peak



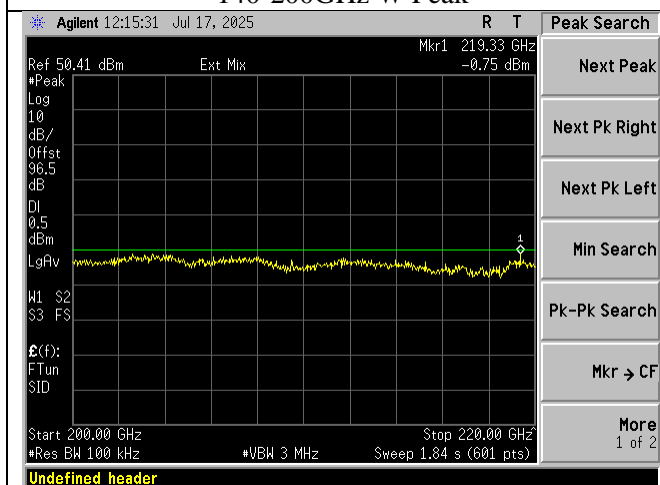
140-200GHz UW Peak



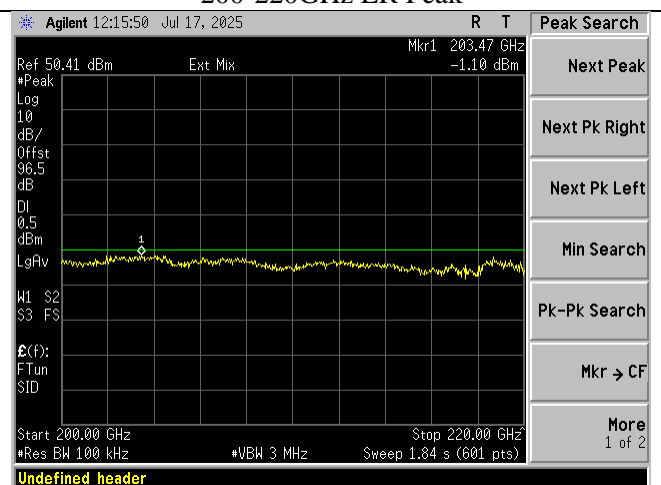
140-200GHz W Peak



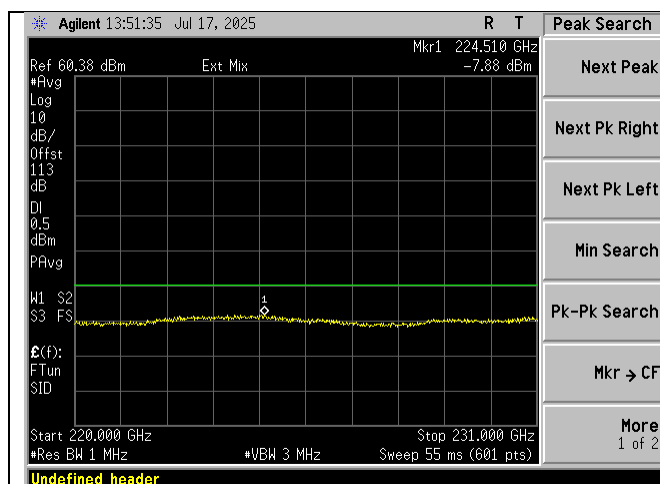
200-220GHz LR Peak



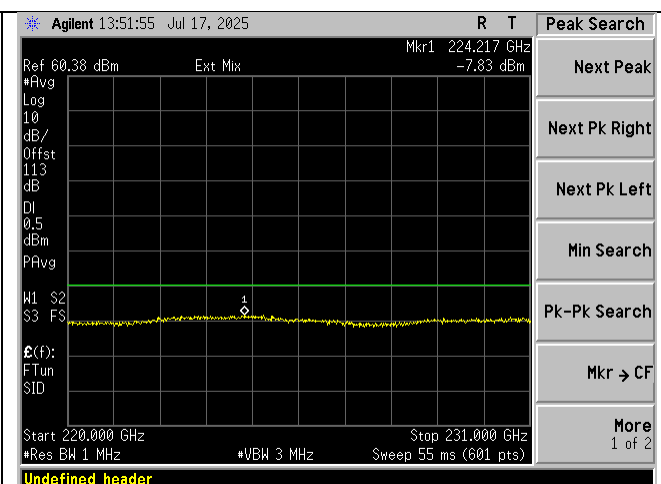
200-220GHz UW Peak



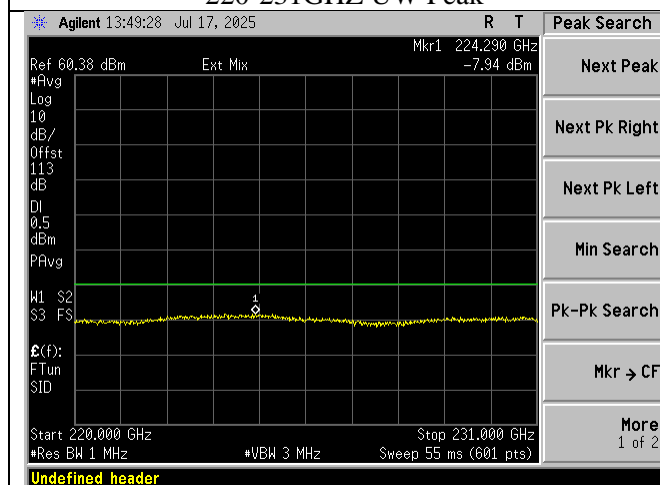
200-220GHz W Peak



220-231GHZ UW Peak



220-231GHZ W Peak



220-231GHZ LR Peak