

RF Exposure Evaluation Report

1 RF EXPOSURE

Product Name	MultispeQ
Model No.	MultispeQ 2.0,MultispeQ 2.x (“x”=1-100)
FCC ID	2AMP8MULTISPEQ20

1.1 LIMITS

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:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot \sqrt{f(\text{GHz})} \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

The result is rounded to one decimal place for comparison

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 is applied to determine SAR test exclusio

1.2 EUT RF EXPOSURE EVALUATION

Operational Mode: GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power (dBm)	Maximum tune-up Power (mW)	Calculated value	Exclusion threshold
2402MHz	-7.06	± 1	-6.06	0.248	0.077	3
2441MHz	-7.21	± 1	-6.21	0.239	0.075	3
2480MHz	-4.60	± 1	-3.60	0.437	0.1375	3
Conclusion: the calculated value ≤ 3.0 , SAR is exempted.						