

Client:	XPLOER	PR Number:	PR185733
Model:	ICON Remote Control	T-Log Number:	PR185733-RA-RC
Contact:	Huong Monnier	Project Manager:	Christine Krebill
Standard:	FCC Part 15, RSS-247	Project Engineer:	David Bare
		Class:	N/A

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: 5/2/2025

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
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Deviations From The Standard

No deviations were made from the requirements of the standard.

FCC SAR Exclusion Calculation (KDB 447498 D01 v6)

Freq. MHz	EUT @ Power		Cable Loss Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Separation Distance (mm)	SAR Exclusion Calc.	SAR Exclusion Limit
2404	-5.2	0.3	0	0.2	-5.2	0.32	5.0	0.09	3.0
2404	-6.0	0.3	0	-0.8	-6.0	0.21	5.0	0.08	3.0
2404	-7.0	0.2	0	-1.7	-7.0	0.14	5.0	0.06	3.0

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

ISED Canada SAR Exclusion Calculation (Highest of output power or EIRP)

Freq. MHz	EUT @ Power		Cable Loss Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Separation Distance (mm)	Maximum Power or EIRP (mW)	SAR Exclusion Limit (mW)
2404	-5.2	0.3	0	0.2	-5.2	0.32	5.0	0.32	3.0
2440	-6.0	0.3	0	-0.8	-6.0	0.21	5.0	0.25	3.0
2476	-7.0	0.2	0	-1.7	-7.0	0.14	5.0	0.20	3.0