

COACHCOMM, LLC

SAR EXEMPTION

REPORT

SCOPE OF WORK

SAR EXEMPTION CALCULATIONS - CP2560

REPORT NUMBER

106507617ATL-003

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02 June 2026

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17 June 2026

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SAR EXEMPTION TEST REPORT

Report Number: 106507617ATL-003

Project Number: G106507617

Report Revision Date: 17 June 2026

PMN: X-System Player Mini

Model/HVIN: CP2560

FCC ID: 2AX9C-XPM900

IC: 30796-XPM900

Standards: FCC Title 47 CFR Part 1.1307, 2.1093
RSS-102, Issue 6

Test Location

Intertek
1950 Evergreen Blvd., Suite 100
Duluth, GA 30096 USA
FCC Designation: US1046
CAB Designator: US0128

Client

CoachComm, LLC
205 Technology Pkwy
Auburn, AL 36830-0500 USA

Report prepared by:



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Report reviewed by



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Introduction and Conclusion

SAR exemption calculations were performed on the product constructed as described in Section 3. Information provided by the client including maximum output power, antenna gain(s), and minimum separation distance(s) was used to determine if the product under evaluation was exempt from SAR. Any change in these stated values may invalidate these results. No additions, deviations, or exclusions have been made from the standard(s) unless specifically noted.

Based on the results of our investigation, we have concluded the product under evaluation is exempt from SAR requirements for each of the standard(s) indicated. The results obtained in this test report pertain only to the item(s) evaluated. Intertek does not make any claims of compliance for samples or variants which were not evaluated.

1 Evaluation Summary

Section	Test full name	Result
4	FCC SAR Exemption Criteria (FCC Title 47 CFR Part 1.1307, 2.1093)	Exempt from SAR
5	ISED SAR Exemption Criteria (RSS-102 Issue 6)	Exempt from SAR

2 Client Information

This evaluation was performed at the request of:

Client: CoachComm, LLC
205 Technology Pkwy
Auburn, AL 36830-0500 USA

Contact: Bob Kean

Email: bob.kean@coachcomm.com

3 Description of Equipment Under Test and Variant Models

Manufacturer: CoachComm, LLC
205 Technology Pkwy
Auburn, AL 36830-0500 USA

Equipment Under Test			
Description	Manufacturer	Model Number	Serial Number
Radio Module	CoachComm LLC	CP2560	00097

Receive Date:	02 April 2026
Received Condition:	Good
Type:	Production

Description of Equipment Under Test (provided by client)

The DUT was a sub-GHz wireless module intended for integration into a wireless audio headset for installation in sports helmets.

Radio/Receiver Characteristics	
Frequency Band(s)	903 – 927MHz
Data Rate / Modulation Type(s)	362kbps / FSK
Channel Separation:	1.85MHz
Maximum Conducted Output Power:	22.07dBm (161.1mW)
Equipment Type	Portable – 1.0cm Separation Distance
Antenna Type and Gain	Wire Whip (2.42dBi Peak Gain) <i>Note: (From antenna report - Intertek takes no responsibility for the accuracy of this information.)</i>

- 1) Refer to Intertek report number 106507617ATL-001 for conducted power measurements results.

4 FCC SAR Exemption Criteria

FCC Title 47 CFR Part 1.1307(b)(3)(i)

For single RF sources (i.e., any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if:

- (A) The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A);
- (B) Or the available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold P_{th} (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by:

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

Where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right) \text{ and } f \text{ is in GHz;}$$

and

$$ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases}$$

d = the separation distance (cm);

Frequency (MHz)	Measured Conducted Power (dBm)	Measured Conducted Power (mW)	Duty Cycle (%)	Time-Averaged Power (mW)	Separation Distance (cm)	P_{th} (mW)	Exempt?
903	17.14	51.760	8.1%	4.19	1	22.87	Yes ¹
904.9	21.14	130.020	8.1%	10.53	1	22.83	Yes ¹
916	21.54	142.560	8.1%	11.55	1	22.56	Yes ¹
925.2	22.07	161.060	8.1%	13.05	1	22.35	Yes ¹
927	17.73	59.290	8.1%	4.80	1	22.31	Yes ¹

1) Exempt per 1.1307(b)(3)(i)(B)

5 ISED SAR Exemption Criteria

RSS-102 Issue 6 § 6.3: SAR exemption limits

Devices operating at or below the applicable output power levels (adjusted for tune-up tolerance) specified in table 11, based on the separation distance, are exempt from SAR evaluation. The separation distance, defined as the distance between the user and/or bystander and the antenna and/or radiating element of the device or the outer surface of the device, shall be less than or equal to 20 cm for these exemption limits to apply.

Table 11: Power limits for exemption from routine SAR evaluation based on the separation distance

Frequency (MHz)	≤ 5 mm (mW)	10 mm (mW)	15 mm (mW)	20 mm (mW)	25 mm (mW)	30 mm (mW)	35 mm (mW)	40 mm (mW)	45 mm (mW)	> 50 mm (mW)
≤ 300	45	116	139	163	189	216	246	280	319	362
450	32	71	87	104	124	147	175	208	248	296
835	21	32	41	54	72	96	129	172	228	298
1900	6	10	18	33	57	92	138	194	257	323
2450	3	7	16	32	56	89	128	170	209	245
3500	2	6	15	29	50	72	94	114	134	158
5800	1	5	13	23	32	41	54	74	102	128

The exemption limits in Table 11 are based on measurements and simulations of half-wave dipole antennas at separation distances of 5 mm to 50 mm from a flat phantom, which provides a SAR value of approximately 0.4 W/kg for 1 g of tissue.

For limb-worn devices where the 10 gram of tissue applies, the exemption limits for routine evaluation in Table 11 are multiplied by a factor of 2.5.

For controlled-use devices where the 8 W/kg for 1 gram of tissue applies, the exemption limits for routine evaluation in table 11 Table 11 are multiplied by a factor of 5.

When the operating frequency of the device is between two frequencies located in Table 11, linear interpolation shall be applied for the applicable separation distance. If the separation distance of the device is between two distances located in table 11, linear interpolation may be applied for the applicable frequency. Alternatively, the limit corresponding to the smaller distance may be employed. For example, in case of a 7 mm separation distance, either use the exception value for a 5 mm separation distance or interpolate between the limits corresponding to 5 mm and 10 mm separation distances

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Frequency (MHz)	Measured Conducted Power (dBm)	Measured Conducted Power (mW)	Duty Cycle (%)	Time-Averaged Power (mW)	Separation Distance (cm)	Exemption Limit (mW)	Exempt?
903	17.14	51.76	8.1%	4.19	1	30.60	Yes
904.9	21.14	130.02	8.1%	10.53	1	30.56	Yes
916	21.54	142.56	8.1%	11.55	1	30.33	Yes
925.2	22.07	161.06	8.1%	13.05	1	30.14	Yes
927	17.73	59.29	8.1%	4.80	1	30.10	Yes

6 Revision History

Revision Level	Date	Prepared By	Reviewed By	Notes
0	02 June 2026	JOP	US	Original Issue
1	11 June 2026	JOP	US	• Corrected separation distance from 5mm to 2.5cm
2	11 June 2026	JOP	US	• Updated separation distances and calculations to 1.0cm

END OF REPORT