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EVALUATION REPORT

Applicant Name:

Harris Corporation
221 Jefferson Ridge Parkway
Lynchburg, VA 24501
United States

FCC ID: BV8BBPBM214

APPLICANT: HARRIS CORPORATION

TEST DATA RE-USE GUIDANCE, FCC OET Laboratory Division, May 23 2016 Version 4

a) Introduction Section

- 1) FCC ID: BV8BBPBM214
Equipment Class(es): TNB
Rule Part(s): 2, 27
- 2) Attestation: The applicant takes full responsibility that the test data referenced below represents compliance for this FCC ID

b) Difference Section

- 1) The product variant in this C2PC filing is a PTT Radio that integrates the LTE Module FCC ID: BV8BBPBM214 and associated hardware and antennas into the PLMRS Radio addressed in FCC ID: OWDTR-0133-E. The label on the final product will include both FCC IDs. The LMR, Bluetooth, and WLAN hardware and software part of this device are identical to that in FCC ID: OWDTR-0133-E. The original PCB components for the LMR, Bluetooth and WLAN operations is identical to the FCC ID: OWDTR-0133-E. For this BV8BBPBM214 C2PC application, an additional circuit board was added with the LTE module and all associated components. This filing addresses the LTE SAR of the end product variant and also addresses the simultaneous transmission compliance of multiple transmitters. Select SAR measurements for each band, mode and exposure condition for the LMR and Bluetooth/WLAN operations were performed by the original lab on the final end product to determine that the SAR results in the OWDTR-0133-E filing are representative of the results for those bands and modes in the final product integration.

c) Spot Check Verification Data Section

- 1) Summary of spot check test data Results

Category	Band / Mode	Verdict
SAR:	UHF	SAR data share (Head & Body-Worn)
	VHF	SAR data share (Head & Body-Worn)
	LMR 700 MHz	SAR data share (Head & Body-Worn)
	LMR 800 MHz	SAR data share (Head & Body-Worn)
	2.4 GHz WLAN	SAR data share (Head & Body-Worn)
	5 GHz WLAN	SAR data share (Head & Body-Worn)
	2.4 GHz Bluetooth	SAR data share (Head & Body-Worn)

c) Spot Check Verification Data Section (Continued)

2) Supporting Spot-check Data

Exposure Condition	Mode / Band	Frequency (MHz)	OWDTR-0133-E Report Reference	LMR Radio SAR (W/kg) OWDTR-0133-E		LMR Radio with LTE Hardware SAR (W/kg) OWDTR-0133-E & BV8BBPBM214	
				100% PTT Duty Cycle	50% PTT Duty Cycle	100% PTT Duty Cycle	50% PTT Duty Cycle
Head	VHF	162	121814OWD-1302-S Table 7.9	3.000	1.500	2.940	1.470
	UHF	406	121814OWD-1302-S Table 7.0	3.750	1.875	3.960	1.980
	700	768	121814OWD-1302-S Table 7.2	2.730	1.365	2.620	1.310
	800	856	121814OWD-1302-S Table 7.3	1.880	0.940	1.780	0.890
Body-Worn	VHF	156.8	121814OWD-1302-S Table 7.11	10.400	5.200	9.980	4.990
	UHF	406	121814OWD-1302-S Table 7.12	9.340	4.670	9.310	4.655
	700	776	121814OWD-1302-S Table 7.5	4.890	2.445	4.510	2.255
	800	851	060515OWD-1328-S Table 7.0	6.730	3.365	6.020	3.010

Note - The worst case configuration across each band and exposure condition was evaluated. There was no change in SAR distribution due to the addition of the LTE components in the device. SAR Results were within expected measurement uncertainty and device variability limits.

Exposure Condition	Mode / Band	Frequency (MHz)	OWDTR-0133-E Report Reference	LMR Radio SAR (W/kg) OWDTR-0133-E	LMR Radio with LTE Hardware SAR (W/kg) OWDTR-0133-E & BV8BBPBM214
Head	2.4 GHz 802.11 Band	2412	031315OWD-1302-S Table 6.0	0.004	0.006
	5 GHz 802.11 Band	5240	031315OWD-1302-S Table 6.4	0.02	0.0003
Body-Worn	2.4 GHz 802.11 Band	2437	031315OWD-1302-S Table 6.2	0.005	0.004
	5 GHz 802.11 Band	5260	031315OWD-1302-S Table 6.5	0.031	0.005

Note - The worst case configuration across each band and exposure condition was evaluated. There was no change in SAR distribution due to the addition of the LTE components in the device. Based on the SAR levels of the transmitters, SAR Results were within expected measurement uncertainty.

3) Each rule Part and Band was considered for head and body-worn evaluation

d) Reference Detail Section:

Equipment Class	Reference FCC ID	Type Grant / Permissive Change	Report Date	Folder Test/RF Exposure	Report Title/Section
TNF	OWDTR-0133-E	Original Equipment	10/4/2016	SAR Report	121814OWD-1302-S, Rev 1.2 Sections 4 & 7
DTS	OWDTR-0133-E	Original Equipment	10/5/2016	SAR Report	031315OWD-1302-S, Rev 1.3 Section 6
	OWDTR-0133-E	Original Equipment	8/4/2015	SAR Report	060515OWD-1328-S, Rev 1.1 Sections 4 & 7
NII	OWDTR-0133-E	Original Equipment	10/5/2016	SAR Report	031315OWD-1302-S, Rev 1.3 Section 6
	OWDTR-0133-E	Original Equipment	8/6/2015	SAR Report	060515OWD-1328-S, Rev 1.1 Sections 4 & 7
DSS	OWDTR-0133-E	Original Equipment	10/5/2016	SAR Report	031315OWD-1302-S, Rev 1.3 Section 6
	OWDTR-0133-E	Original Equipment	8/5/2015	SAR Report	060515OWD-1328-S, Rev 1.1 Sections 4 & 7

FCC ID BV8BBPBM214		SAR EVALUATION REPORT		Reviewed by: Quality Manager
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