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RF Exposure Statement

SAR Exclusion Worksheet

DNB Job Number:	86022	Date:	28 Dec 2017	Conformance Standard 47 CFR 2.1091 (Mobile) 47 CFR 2.1093 (Portable)
Customer:	Orbit Irrigation Products			
Model Number:	BH1	FCC ID: ML6-BH1		
Description:	WiFi Transmitter			Guidance Document KDB 447498 D01

SAR EXCLUSION CALCULATIONS per Clause 4.3.1		
Step 1	SAR test exclusion thresholds for 100MHz to 6GHz at test separation distances \leq 50mm	
	Powered allowed at numeric threshold for a distance of 50mm	96
	Maximum test separation distance from step 1 in mm	50
	Frequency in GHz	2.462
	Threshold calculation =	3
	Is the threshold calculation below (3.0) the 1-g SAR for head and body	YES
	Is the threshold calculation below (7.5) the 10-g SAR for extremity	YES
Step 2	SAR test exclusion thresholds for 100MHz to 6GHz at test separation distances $>$ 50mm	
2a	Test separation distance in mm	80
2b	Maximum power of EUT in mW (including production tolerances)	302
2c	Calculated maximum allowed power at test separation distance in mW	396
2d	If 2b is less than 2c EUT meets the requirements of clause 4.3.1 (PASS or FAIL)	PASS

SAR EXCLUSION Comparison to Appendix B		
	SAR test exclusion thresholds for 100MHz to 6GHz from Appendix B	
	Maximum Power of Channel, including tune up tolerance in mW	302
	Maximum allowed power in Appendix B at specified test distance of 80mm	596
	Is the Maximum Channel Power below the Appendix A threshold for head and body	YES
	Is the Maximum Channel Power below the Appendix A threshold for extremity	YES

CONCLUSIONS		
EUT is compliant with the SAR Exclusion per Clause 4.3.1 and per Appendix B - No further SAR or MPE measurements or calculations are required.		

Printed Name	Signature	Date
C.L. Payne III		28 Dec 2017