Testing the Future LABORATORIES, INC.

Walt Disney Parks and Resorts US, Inc.

TEST REPORT FOR

V1 Model: Radionode

Tested to The Following Standards:

FCC Part 15 Subpart C Section(s)

15.247 (DTS 2400-2483.5 MHz)

Report No.: 101978-15

Date of issue: January 23, 2019





Test Certificate # 803.02

This test report bears the accreditation symbol indicating that the testing performed herein meets the test and reporting requirements of ISO/IEC 17025 under the applicable scope of testing for CKC Laboratories, Inc.

We strive to create long-term, trust based relationships by providing sound, adaptive, customer first testing services. We embrace each of our customers' unique EMC challenges, not as an interruption to set processes, but rather as the reason we are in business.

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ADMINISTRATIVE INFORMATION

Test Report Information

REPORT PREPARED FOR:

REPORT PREPARED BY:

Terri Rayle

Walt Disney Parks and Resorts US, Inc. PO Box 10000

CKC Laboratories, Inc. Lake Buena Vista, FL 32830 5046 Sierra Pines Drive Mariposa, CA 95338

Representative:

Synapse Product Development Inc. - Brian Piquette

Customer Reference Number: C-009498

Project Number: 101978

DATE OF EQUIPMENT RECEIPT: December 14, 2018

DATE(S) OF TESTING: December 14-25, 2018 and January 1-3, 2019

Report Authorization

The test data contained in this report documents the observed testing parameters pertaining to and are relevant for only the equipment provided by the client, tested in the agreed upon operational mode(s) and configuration(s) as identified herein. Compliance assessment remains the client's responsibility. This report may not be used to claim product endorsement by A2LA or any government agencies. This test report has been authorized for release under quality control from CKC Laboratories, Inc.

Steve Behm

Steve of Below

Director of Quality Assurance & Engineering Services CKC Laboratories, Inc.

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Test Facility Information



Our laboratories are configured to effectively test a wide variety of product types. CKC utilizes first class test equipment, anechoic chambers, data acquisition and information services to create accurate, repeatable and affordable test results.

TEST LOCATION(S): CKC Laboratories, Inc. 110 Olinda Place Brea, CA 92823

Software Versions

CKC Laboratories Proprietary Software	Version
EMITest Emissions	5.03.11

Site Registration & Accreditation Information

Location	NIST CB #	TAIWAN	CANADA	FCC	JAPAN
Brea D, CA	US0060	SL2-IN-E-1146R	3082D-2	US1025	A-0147

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SUMMARY OF RESULTS

Standard / Specification: FCC Part 15 Subpart C - 15.247 (DTS)

Test Procedure	Description	Modifications	Results
15.247(a)(2)	6dB Bandwidth	NA	NP
15.247(b)(3)	Output Power	NA	NP
15.247(e)	Power Spectral Density	NA	NP
15.247(d)	RF Conducted Emissions & Band Edge	NA	NP
15.247(d)	Radiated Emissions & Band Edge	NA	Pass

NA = Not Applicable

NP = CKC Laboratories was not contracted to perform test.

ISO/IEC 17025 Decision Rule

The declaration of pass or fail herein is based upon assessment to the specification(s) listed above, including where applicable, assessment of measurement uncertainties. For performance related tests, equipment was monitored for specified criteria identified in that section of testing.

Modifications During Testing

This list is a summary of the modifications made to the equipment during testing.

Summary of Conditions

No modifications were made during testing.

Modifications listed above must be incorporated into all production units.

Conditions During Testing

This list is a summary of the conditions noted to the equipment during testing.

Summary	of	Cond	litions

None

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EQUIPMENT UNDER TEST (EUT)

During testing, numerous configurations may have been utilized. The configurations listed below support compliance to the standard(s) listed in the Summary of Results section.

Configuration 1

Equipment Tested:

Device	Manufacturer	Model #	S/N
V1	Walt Disney Parks and	Radionode	E52
	Resorts US, Inc.		

Support Equipment:

Device	Manufacturer	Model #	S/N
POE Power Supply	Netgear	UA3-8504240-011	NA
Gigabit Switch	Netgear	GS108PP	58617ADUA11A9
Laptop	HP	ProBook	SYNA0267

General Product Information:

Product Information	Manufacturer-Provided Details
Equipment Type:	Stand-Alone Equipment
Type of Wideband System:	BLE, DTS Proprietary
Operating Frequency Range:	2402-2480MHz, 2482MHz
Modulation Type(s):	BLE, DTS Proprietary
Maximum Duty Cycle:	98
Number of TX Chains:	2
Antenna Type(s) and Gain:	Antenna 1: PA2x2, 8dBi + 2 x 10ft Pasternack RG223/ U 2 with 6dB loss at 2440MHz Antenna 2: MA510, 3.9dBi, integrated cable. Antenna 3: MA673, 4.1 dBi, integrated cable. Antenna 4: HG2458, 13dBi + 2 x 10ft Pasternack RG223/ U 2 with 6dB loss at 2440MHz
Beamforming Type:	NA
Antenna Connection Type:	External Connector
Nominal Input Voltage:	120/60 POE
Firmware / Software used for Test:	0.10.4-125

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FCC Part 15 Subpart C

15.247(d) Radiated Emissions & Band Edge

Test Setup / Conditions / Data

Test Location: CKC Laboratories, Inc. • 110 N. Olinda Place • Brea, CA 92823 • 714 993-6112

Walt Disney Parks and Resorts US, Inc. Customer:

15.247(d) / 15.209 Radiated Spurious Emissions Specification:

Work Order #: 101978 Date: 12/20/2018 **Radiated Scan** Test Type: Time: 13:42:59

Tested By: E. Wong Sequence#: 3

Software: EMITest 5.03.11

Equipment Tested:

Device	Manufacturer	Model #	S/N	
Configuration 1				

Support Equipment:

Device	Manufacturer	Model #	S/N	
Configuration 1				

Test Conditions / Notes:

The EUT is placed on the Styrofoam block. ETHO is connected to remotely located support POE, Switch and laptop. ETH1 is connected to a section of UTP, USB ports are connected to section of USB cable, GPIO ports are terminated to simulated loads. RX port connects to a Dipole antenna. Micro USB Service port left unpopulated

Remote laptop runs test software to set the EUT into test mode.

Evaluation for Permissive Change II equipment authorization process with various antenna type and configurations. FCCID: 2AJS4-RN-R1G1

Radio port 7 and radio port 8 are connected to the antenna in accordance with available configuration.

Protocol:

BLE, 2402MHz, 2440MHz, 2480MHz DTS (proprietary): 2482MHz single channel

Ant1: PA2X2, 8dBi + 2 x 10ft Pasternack RG223/ U 2 with 6dB loss at 2440MHz

Ant2: MA510, 3.9dBi Ant3:MA673, 4.1 dBi

Ant4: HG2458, 13dBi + 2 x 10ft Pasternack RG223/ U 2 with 6dB loss at 2440MHz

Firmware power setting 0 dBm

Antenna under investigation: PA2x2

Frequency range of measurement = 9 kHz- 25 GHz.

9 kH -150 kHz;RBW=200 Hz,VBW=200 Hz;150 kHz-30 MHz;RBW=9 kHz,VBW=9 kHz;30 MHz-1000 MHz;RBW=120 kHz,VBW=120 kHz,1000 MHz-25000MHz MHz;RBW=1 MHz,VBW=1 MHz.

Test environment conditions:

Temperature: 17.3°C, Relative Humidity: 54%, Pressure: 100.8kPa

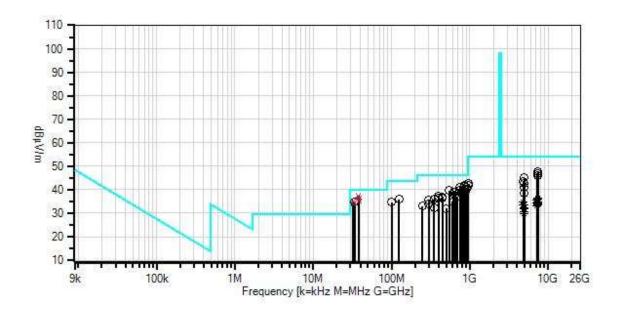
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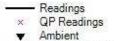


Test method in accordance with FCC document: 558074 558074 D01 15.247 Meas Guidance v05. Investigation in all orientation, worst case orientation presented.

Site D ANSI C63.10-2013

> Walt Disney Parks and Resorts US, Inc. WO#: 101978 Sequence#; 3 Date: 12/20/2018 15.247(d) / 15.209 Radiated Spurious Emissions Test Distance: 3 Meters Vert





1 - 15.247(d) / 15.209 Radiated Spurious Emissions

O Peak Readings

* Average Readings
Software Version: 5.03.11



Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
T1	AN02869	Spectrum Analyzer	E4440A	8/10/2018	8/10/2019
T2	AN01646	Horn Antenna	3115	3/14/2018	3/14/2020
T3	ANP07247	Cable	32022-29094K-	7/5/2018	7/5/2020
			29094K-24TC		
T4	AN00787	Preamp	83017A	6/9/2017	6/9/2019
T5	ANP07138	Cable	ANDL1-	3/1/2017	3/1/2019
			PNMNM-60		
T6	ANP04382	Cable	LDF-50	6/2/2018	6/2/2020
T7	AN03385	High Pass Filter	11SH10-	6/2/2017	6/2/2019
			3000/T10000-		
			0/0		
T8	AN01994	Biconilog Antenna	CBL6111C	4/23/2018	4/23/2020
Т9	ANP05283	Attenuator	ATT-0218-06-	4/5/2018	4/5/2020
			NNN-02		
T10	ANP01911	Cable-Amplitude +15C	RG214/U	1/8/2018	1/8/2020
		to +45C (dB)			
T11	AN00010	Preamp	8447D	2/19/2018	2/19/2020
T12	ANP06978	Cable	Sucoflex 104A	3/31/2018	3/31/2020
	AN00314	Loop Antenna	6502	5/13/2018	5/13/2020
	AN01413	Horn Antenna-ANSI	84125-80008	10/17/2018	10/17/2020
		C63.5 (dB/m)			
	AN03367	Horn Antenna-ANSI	62-GH-62-25.	8/24/2017	8/24/2019
		C63.5 Calibration			

Measu	rement Data:	Re	eading lis	ted by ma	argin.	Test Distance: 3 Meters					
#	Freq	Rdng	T1	T2	Т3	T4	Dist	Corr	Spec	Margin	Polar
			T5	T6	T7	T8					
			T9	T10	T11	T12					
	MHz	dΒμV	dB	dB	dB	dB	Table	$dB\mu V/m$	$dB\muV/m$	dB	Ant
1	38.075M	43.3	+0.0	+0.0	+0.0	+0.0	+0.0	37.4	40.0	-2.6	Vert
	QP		+0.0	+0.6	+0.0	+14.2			R7_A1_PA	A2X2_BL	
			+5.8	+0.6	-27.1	+0.0			E_LMH,R	7_A1_P	
									A2X2_DT	S,	
									R7_A1_PA	A2X2_BL	
									E_L_L		
^	38.075M	44.1	+0.0	+0.0	+0.0	+0.0	+0.0	38.2	40.0	-1.8	Vert
			+0.0	+0.6	+0.0	+14.2			R7_A1_PA	A2X2_BL	
			+5.8	+0.6	-27.1	+0.0			E_LMH,R	7_A1_P	
									A2X2_DT	S,	
									R7_A1_PA	A2X2_BL	
									E_L_L		
3	950.012M	33.0	+0.0	+0.0	+0.0	+0.0	+0.0	42.5	46.0	-3.5	Horiz
			+0.0	+3.4	+0.0	+24.0			R7_A1_PA	A2X2_BL	
			+5.9	+3.3	-27.4	+0.3			E_LMH,R	7_A1_P	
									A2X2_DT	S,	
									R7_A1_PA	A2X2_BL	
									E_L_L2		

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4	38.823M QP	42.7	+0.0 +0.0 +5.8	+0.0 +0.6 +0.6	+0.0 +0.0 -27.1	+0.0 +13.8 +0.0	+0.0	36.4	40.0 -3.6 R7_A1_PA2X2_BL E_LMH,R7_A1_P A2X2_DTS, R7_A1_PA2X2_BL	Vert
^	38.823M	43.2	+0.0 +0.0 +5.8	+0.0 +0.6 +0.6	+0.0 +0.0 -27.1	+0.0 +13.8 +0.0	+0.0	36.9	E_L_L2 40.0 -3.1 R7_A1_PA2X2_BL E_LMH,R7_A1_P A2X2_DTS, R7_A1_PA2X2_BL	Vert
6	37.820M QP	41.9	+0.0 +0.0 +5.8	+0.0 +0.6 +0.6	+0.0 +0.0 -27.1	+0.0 +14.3 +0.0	+0.0	36.1	E_L_L2 40.0 -3.9 R7_A1_PA2X2_BL E_LMH,R7_A1_P A2X2_DTS, R7_A1_PA2X2_BL E_L_L2	Vert
۸	37.820M	42.5	+0.0 +0.0 +5.8	+0.0 +0.6 +0.6	+0.0 +0.0 -27.1	+0.0 +14.3 +0.0	+0.0	36.7	40.0 -3.3 R7_A1_PA2X2_BL E_LMH,R7_A1_P A2X2_DTS, R7_A1_PA2X2_BL E_L_L2	Vert
8	850.004M	34.0	+0.0 +0.0 +5.9	+0.0 +3.2 +3.0	+0.0 +0.0 -27.6	+0.0 +23.0 +0.3	+0.0	41.8	46.0 -4.2 R7_A1_PA2X2_BL E_LMH,R7_A1_P A2X2_DTS, R7_A1_PA2X2_BL E_L_L2	Horiz
9	950.012M	32.2	+0.0 +0.0 +5.9	+0.0 +3.4 +3.3	+0.0 +0.0 -27.4	+0.0 +24.0 +0.3	+0.0	41.7	46.0 -4.3 R7_A1_PA2X2_BL E_LMH,R7_A1_P A2X2_DTS, R7_A1_PA2X2_BL E_L_L2	Vert
10	850.003M	33.7	+0.0 +0.0 +5.9	+0.0 +3.2 +3.0	+0.0 +0.0 -27.6	+0.0 +23.0 +0.3	+0.0	41.5	46.0 -4.5 R7_A1_PA2X2_BL E_LMH,R7_A1_P A2X2_DTS, R7_A1_PA2X2_BL E_L_L2	Vert
11	750.003M	35.5	+0.0 +0.0 +5.9	+0.0 +2.9 +2.8	+0.0 +0.0 -27.8	+0.0 +21.6 +0.3	+0.0	41.2	46.0 -4.8 R7_A1_PA2X2_BL E_LMH,R7_A1_P A2X2_DTS, R7_A1_PA2X2_BL E_L_L2	Vert



12 20 5 55 1	41.4	. 0. 0	. 0. 0	. 0. 0	. 0. 0	. 0. 0	25.2	40.0	T.7 .
12 38.565M	41.4	+0.0	+0.0	+0.0	+0.0	+0.0	35.2	40.0 -4.8	Vert
QP		+0.0	+0.6	+0.0	+13.9			R7_A1_PA2X2_BL	
		+5.8	+0.6	-27.1	+0.0			E_LMH,R7_A1_P	
								A2X2_DTS,	
								R7_A1_PA2X2_BL	
								E_L_L2	
^ 38.565M	42.9	+0.0	+0.0	+0.0	+0.0	+0.0	36.7	40.0 -3.3	Vert
		+0.0	+0.6	+0.0	+13.9			R7_A1_PA2X2_BL	
		+5.8	+0.6	-27.1	+0.0			E_LMH,R7_A1_P	
								A2X2_DTS,	
								R7_A1_PA2X2_BL	
								E_L_L2	
14 32.306M	38.0	+0.0	+0.0	+0.0	+0.0	+0.0	35.0	40.0 -5.0	Vert
QP		+0.0	+0.5	+0.0	+17.3			R7_A1_PA2X2_BL	
		+5.8	+0.5	-27.1	+0.0			E_LMH,R7_A1_P	
								A2X2_DTS,	
								R7 A1 PA2X2 BL	
								E L L2	
^ 32.306M	38.4	+0.0	+0.0	+0.0	+0.0	+0.0	35.4	40.0 -4.6	Vert
0 = 10 0 0 = 1		+0.0	+0.5	+0.0	+17.3			R7_A1_PA2X2_BL	
		+5.8	+0.5	-27.1	+0.0			E_LMH,R7_A1_P	
								A2X2_DTS,	
								R7_A1_PA2X2_BL	
								E_L_L2	
16 900.003M	32.6	+0.0	+0.0	+0.0	+0.0	+0.0	41.0	46.0 -5.0	Vert
10 9001000111	02.0	+0.0	+3.2	+0.0	+23.4	. 0.0		R7_A1_PA2X2_BL	, 510
		+5.9	+3.1	-27.5	+0.3			E_LMH,R7_A1_P	
				27.0	. 0.0			A2X2_DTS,	
								R7_A1_PA2X2_BL	
								E_L_L2	
17 33.811M	38.7	+0.0	+0.0	+0.0	+0.0	+0.0	34.9	40.0 -5.1	Vert
33.01111	30.7	+0.0	+0.5	+0.0	+16.5	10.0	31.7	R7_A1_PA2X2_BL	VOIT
		+5.8	+0.5	-27.1	+0.0			E_LMH,R7_A1_P	
		13.0	10.5	-27.1	10.0			A2X2 DTS,	
								R7_A1_PA2X2_BL	
								E_L_L2	
18 34.063M	38.2	+0.0	+0.0	+0.0	+0.0	+0.0	34.3	40.0 -5.7	Vert
	30.2	+0.0 +0.0	+0.0	+0.0	+0.0 +16.4	+0.0	54.5	40.0 -3.7 R7_A1_PA2X2_BL	v ert
QP				+0.0 -27.1				E_LMH,R7_A1_P	
		+5.8	+0.5	-4/.1	+0.0				
								A2X2_DTS, R7 A1 PA2X2 BL	
A 2406235	20.0	.0.0	.0.0	.00	. 0. 0	.0.0	25.1	E_L_L2	X7 .
^ 34.063M	39.0	+0.0	+0.0	+0.0	+0.0	+0.0	35.1	40.0 -4.9	Vert
		+0.0	+0.5	+0.0	+16.4			R7_A1_PA2X2_BL	
		+5.8	+0.5	-27.1	+0.0			E_LMH,R7_A1_P	
								A2X2_DTS,	
								R7_A1_PA2X2_BL	
								E_L_L2	



	000 00 == =	21 -	0.0	0.0		0.0	0.0	40.0	160	TT .
20	900.006M	31.6	+0.0 +0.0	+0.0 +3.2	+0.0 +0.0	+0.0 +23.4	+0.0	40.0	46.0 -6.0 R7_A1_PA2X2_BL	Horiz
			+5.9	+3.1	-27.5	+0.3			E_LMH,R7_A1_P A2X2_DTS,	
									R7_A1_PA2X2_BL	
									E_L_L2	
21	750.003M	34.1	+0.0	+0.0	+0.0	+0.0	+0.0	39.8	46.0 -6.2	Horiz
			+0.0 +5.9	$+2.9 \\ +2.8$	+0.0 -27.8	+21.6 +0.3			R7_A1_PA2X2_BL E_LMH,R7_A1_P	
			13.7	12.0	27.0	10.5			A2X2_DTS,	
									R7_A1_PA2X2_BL	
22	22.059M	37.2	+0.0	+0.0	+0.0	+0.0	٠,0,0	22.0	E_L_L2 40.0 -6.2	Vert
22	33.058M QP	31.2	+0.0 +0.0	$+0.0 \\ +0.5$	$+0.0 \\ +0.0$	+0.0 +16.9	+0.0	33.8	40.0 -6.2 R7_A1_PA2X2_BL	vert
	ζ.		+5.8	+0.5	-27.1	+0.0			E_LMH,R7_A1_P	
									A2X2_DTS,	
									R7_A1_PA2X2_BL	
٨	33.058M	38.1	+0.0	+0.0	+0.0	+0.0	+0.0	34.7	E_L_L2 40.0 -5.3	Vert
	22.02.01.1	2011	+0.0	+0.5	+0.0	+16.9	. 0.0	<i>0</i> ,	R7_A1_PA2X2_BL	, 510
			+5.8	+0.5	-27.1	+0.0			E_LMH,R7_A1_P	
									A2X2_DTS, R7 A1 PA2X2 BL	
									E_L_L2	
24	800.000M	32.8	+0.0	+0.0	+0.0	+0.0	+0.0	39.7	46.0 -6.3	Horiz
			+0.0	+3.0	+0.0	+22.5			R7_A1_PA2X2_BL	
			+5.9	+2.9	-27.7	+0.3			E_LMH,R7_A1_P A2X2_DTS,	
									R7_A1_PA2X2_BL	
									E_L_L2	
25	550.001M	37.5	+0.0	$+0.0 \\ +2.5$	+0.0	+0.0 +19.2	+0.0	39.6	46.0 -6.4	Horiz
			+0.0 +5.8	+2.3	+0.0 -28.0	+19.2			R7_A1_PA2X2_BL E_LMH,R7_A1_P	
					20.0	. 0.2			A2X2_DTS,	
									R7_A1_PA2X2_BL	
26	7446.187M	31.6	+0.0	+36.4	+0.2	-39.7	+0.0	47.5	E_L_L2 54.0 -6.5	Vert
20	/ 1 1 0 . 1 0 / IVI	31.0	+0.0 +7.7	+30.4	+0.2	-39.7 +0.0	+0.0	41.3	R7 A1 R8 A2 PA	v ei i
			+0.0	+0.0	+0.0	+0.0			2X2_DTS_BLE_H	
27	CO 4 0003 F	25.2	.0.0	.0.0	.00	.00	.0.0	20.0	2	X7 .
27	624.999M	35.3	$+0.0 \\ +0.0$	$+0.0 \\ +2.7$	$+0.0 \\ +0.0$	+0.0 +20.4	+0.0	39.0	46.0 -7.0 R7_A1_PA2X2_BL	Vert
			+5.8	+2.7	-28.0	+0.3			E_LMH,R7_A1_P	
									A2X2_DTS,	
									R7_A1_PA2X2_BL	
28	649.999M	35.1	+0.0	+0.0	+0.0	+0.0	+0.0	39.0	E_L_L2 46.0 -7.0	Horiz
20	J 17.777111	55.1	+0.0	+2.7	+0.0	+20.5	10.0	37.0	R7_A1_PA2X2_BL	TIOTIZ
			+5.8	+2.6	-28.0	+0.3			E_LMH,R7_A1_P	
									A2X2_DTS,	
									R7_A1_PA2X2_BL E_L_L2	
L									1/_1/_1/2	



29 73	320.575M	31.8	+0.0	+36.2	+0.1	-39.8	+0.0	46.9	54.0 -7.1	Vert
			+7.6	+10.8	+0.2	+0.0			R7_A1_R8_A2_PA	
			+0.0	+0.0	+0.0	+0.0			2X2_BLE_M_M	
30 1	24.999M	43.2	+0.0	+0.0	+0.0	+0.0	+0.0	35.9	43.5 -7.6	Vert
			+0.0	+1.1	+0.0	+11.6			R7_A1_PA2X2_BL	
			+5.8	+1.0	-26.9	+0.1			E_LMH,R7_A1_P	
									A2X2_DTS,	
									R7_A1_PA2X2_BL	
									E_L_L2	
31 8	800.001M	31.4	+0.0	+0.0	+0.0	+0.0	+0.0	38.3	46.0 -7.7	Vert
			+0.0	+3.0	+0.0	+22.5			R7_A1_PA2X2_BL	
			+5.9	+2.9	-27.7	+0.3			E_LMH,R7_A1_P	
									A2X2_DTS,	
									R7_A1_PA2X2_BL	
									E_L_L2	
32 73	320.765M	31.0	+0.0	+36.2	+0.1	-39.8	+0.0	46.1	54.0 -7.9	Horiz
			+7.6	+10.8	+0.2	+0.0			R7_A1_R8_A2_PA	
			+0.0	+0.0	+0.0	+0.0			2X2_BLE_M_M	
33 74	428.550M	30.1	+0.0	+36.4	+0.2	-39.7	+0.0	46.0	54.0 -8.0	Vert
			+7.7	+11.1	+0.2	+0.0			R7_A1_R8_A2_PA	
			+0.0	+0.0	+0.0	+0.0			2X2_DTS_BLE_H	
									2	
34 6	550.004M	33.7	+0.0	+0.0	+0.0	+0.0	+0.0	37.6	46.0 -8.4	Vert
			+0.0	+2.7	+0.0	+20.5			R7_A1_PA2X2_BL	
			+5.8	+2.6	-28.0	+0.3			E_LMH,R7_A1_P	
									A2X2_DTS,	
									R7_A1_PA2X2_BL	
									E_L_L2	
35 4	100.003M	38.6	+0.0	+0.0	+0.0	+0.0	+0.0	37.4	46.0 -8.6	Vert
			+0.0	+2.1	+0.0	+16.0			R7_A1_PA2X2_BL	
			+5.8	+2.0	-27.3	+0.2			E_LMH,R7_A1_P	
									A2X2_DTS,	
									R7_A1_PA2X2_BL	
									E_L_L2	
36 1	.00.001M	43.7	+0.0	+0.0	+0.0	+0.0	+0.0	34.6	43.5 -8.9	Vert
			+0.0	+1.0	+0.0	+10.1			R7_A1_PA2X2_BL	
			+5.8	+0.9	-27.0	+0.1			E_LMH,R7_A1_P	
									A2X2_DTS,	
									R7_A1_PA2X2_BL	
									E_L_L2	
37 7	700.011M	32.6	+0.0	+0.0	+0.0	+0.0	+0.0	37.1	46.0 -8.9	Horiz
			+0.0	+2.8	+0.0	+20.7			R7_A1_PA2X2_BL	
			+5.9	+2.7	-27.9	+0.3			E_LMH,R7_A1_P	
									A2X2_DTS,	
									R7_A1_PA2X2_BL	
									E_L_L2	
38 49	951.543M	35.9	+0.0	+33.5	+0.4	-39.6	+0.0	45.0	54.0 -9.0	Horiz
			+6.1	+8.4	+0.3	+0.0			R7_A1_R8_A2_PA	
			+0.0	+0.0	+0.0	+0.0			2X2_DTS_BLE_H	
									2	

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39	450.007M	37.1	+0.0	+0.0	+0.0	+0.0	+0.0	36.9	46.0 -9.1	Horiz
			+0.0	+2.2	+0.0	+17.1			R7_A1_PA2X2_BL	
			+5.8	+2.1	-27.6	+0.2			E_LMH,R7_A1_P	
									A2X2_DTS,	
									R7_A1_PA2X2_BL E_L_L2	
40	449.993M	36.7	+0.0	+0.0	+0.0	+0.0	+0.0	36.5	46.0 -9.5	Vert
40	449.993IVI	30.7	+0.0	+2.2	+0.0	+17.1	+0.0	30.3	R7_A1_PA2X2_BL	VCI
			+5.8	+2.1	-27.6	+0.2			E_LMH,R7_A1_P	
									A2X2_DTS,	
									R7_A1_PA2X2_BL	
									E_L_L2	
41	400.003M	37.6	+0.0	+0.0	+0.0	+0.0	+0.0	36.4	46.0 -9.6	Horiz
			+0.0	+2.1	+0.0	+16.0			R7_A1_PA2X2_BL	
			+5.8	+2.0	-27.3	+0.2			E_LMH,R7_A1_P	
									A2X2_DTS,	
									R7_A1_PA2X2_BL	
- 10	250 0053 5	20.2	0.0	0.0		0.0	0.0	27.0	E_L_L2	** .
42	350.005M	38.2	+0.0	+0.0	+0.0	+0.0	+0.0	35.9	46.0 -10.1	Horiz
			+0.0	+1.9	+0.0	+14.8			R7_A1_PA2X2_BL	
			+5.8	+1.8	-26.8	+0.2			E_LMH,R7_A1_P A2X2_DTS,	
									R7_A1_PA2X2_BL	
									E_L_L2	
43	300.004M	39.5	+0.0	+0.0	+0.0	+0.0	+0.0	35.8	46.0 -10.2	Vert
			+0.0	+1.8	+0.0	+13.4			R7_A1_PA2X2_BL	
			+5.8	+1.6	-26.5	+0.2			E_LMH,R7_A1_P	
									A2X2_DTS,	
									R7_A1_PA2X2_BL	
									E_L_L2	
44	4803.600M	35.5	+0.0	+33.2	+0.4	-39.8	+0.0	43.7	54.0 -10.3	Horiz
			+6.1	+8.0	+0.3	+0.0			R7_A2_PA2X2_BL	
4.5	4052 55714	22.7	+0.0	+0.0	+0.0	+0.0	. 0. 0	42.0	E_L	X 74
45	4952.557M	33.7	+0.0	+33.5	+0.4	-39.6	+0.0	42.8	54.0 -11.2	Vert
			+6.1 +0.0	$+8.4 \\ +0.0$	+0.3 +0.0	$^{+0.0}_{+0.0}$			R7_A1_R8_A2_PA 2X2_DTS_BLE_H	
			+0.0	+0.0	+0.0	+0.0			2A2_D13_BEE_11 2	
46	600.006M	31.5	+0.0	+0.0	+0.0	+0.0	+0.0	34.8	46.0 -11.2	Vert
	222.0001.1	22.0	+0.0	+2.6	+0.0	+20.3	. 0.0	20	R7_A1_PA2X2_BL	. 526
			+5.8	+2.4	-28.0	+0.2			E_LMH,R7_A1_P	
									A2X2_DTS,	
									R7_A1_PA2X2_BL	
									E_L_L2	
47	4880.566M	34.3	+0.0	+33.2	+0.4	-39.7	+0.0	42.8	54.0 -11.2	Vert
			+6.1	+8.2	+0.3	+0.0			R7_A1_R8_A2_PA	
			+0.0	+0.0	+0.0	+0.0			2X2_BLE_M_M	
48	4964.293M	33.4	+0.0	+33.5	+0.4	-39.6	+0.0	42.5	54.0 -11.5	Horiz
			+6.1	+8.4	+0.3	+0.0			R7_A1_R8_A2_PA	
			+0.0	+0.0	+0.0	+0.0			2X2_DTS_BLE_H	
									2	



49	300.002M	37.6	+0.0	+0.0	+0.0	+0.0	+0.0	33.9	46.0 -12.1	Horiz
			+0.0	+1.8	+0.0	+13.4			R7_A1_PA2X2_BL	
			+5.8	+1.6	-26.5	+0.2			E_LMH,R7_A1_P A2X2_DTS,	
									R7_A1_PA2X2_BL	
									E_L_L2	
50	4959.483M	32.0	+0.0	+33.5	+0.4	-39.6	+0.0	41.1	54.0 -12.9	Horiz
			+6.1	+8.4	+0.3	+0.0			R7_A1_PA2x2_BL	
			+0.0	+0.0	+0.0	+0.0			E_H	
51	250.007M	38.2	+0.0	+0.0	+0.0	+0.0	+0.0	32.9	46.0 -13.1	Vert
			+0.0	+1.6	+0.0	+12.2			R7_A1_PA2X2_BL	
			+5.8	+1.5	-26.5	+0.1			E_LMH,R7_A1_P	
									A2X2_DTS,	
									R7_A1_PA2X2_BL E_L_L2	
52	350.008M	34.4	+0.0	+0.0	+0.0	+0.0	+0.0	32.1	46.0 -13.9	Vert
32	330.006WI	34.4	+0.0	+0.0	+0.0	+14.8	+0.0	32.1	R7_A1_PA2X2_BL	v ert
			+5.8	+1.8	-26.8	+0.2			E_LMH,R7_A1_P	
									A2X2_DTS,	
									R7_A1_PA2X2_BL	
									E_L_L2	
53	500.002M	31.2	+0.0	+0.0	+0.0	+0.0	+0.0	31.9	46.0 -14.1	Vert
			+0.0	+2.4	+0.0	+18.0			R7_A1_PA2X2_BL	
			+5.8	+2.2	-27.9	+0.2			E_LMH,R7_A1_P	
									A2X2_DTS,	
									R7_A1_PA2X2_BL E_L_L2	
54	4964.297M	29.5	+0.0	+33.5	+0.4	-39.6	+0.0	38.6	54.0 -15.4	Vert
	1901.297141	27.3	+6.1	+8.4	+0.3	+0.0	10.0	30.0	R7_A1_R8_A2_PA	VOIT
			+0.0	+0.0	+0.0	+0.0			2X2_DTS_BLE_H	
									2	
55	7320.467M	21.2	+0.0	+36.2	+0.1	-39.8	+0.0	36.3	54.0 -17.7	Horiz
	Ave		+7.6	+10.8	+0.2	+0.0			R8_A2_PA2X2_BL	
			+0.0	+0.0	+0.0	+0.0			E_M	
^	7320.467M	35.1	+0.0	+36.2	+0.1	-39.8	+0.0	50.2	54.0 -3.8	Horiz
			+7.6	+10.8	+0.2	+0.0			R8_A2_PA2X2_BL	
57	7427.377M	20.4	+0.0	+0.0	+0.0	+0.0 -39.7	+0.0	36.3	E_M 54.0 -17.7	Horiz
37	Ave	20.4	+0.0 +7.7	+30.4 +11.1	+0.2	-39.7 +0.0	+0.0	50.5	R7_A1_R8_A2_PA	110112
	1110		+0.0	+0.0	+0.2	+0.0			2X2_DTS_BLE_H	
			. 5.0	. 3.0	. 0.0	. 0.0			2	
٨	7427.377M	33.2	+0.0	+36.4	+0.2	-39.7	+0.0	49.1	54.0 -4.9	Horiz
			+7.7	+11.1	+0.2	+0.0			R7_A1_R8_A2_PA	
			+0.0	+0.0	+0.0	+0.0			2X2_DTS_BLE_H	
<u> </u>									2	
59	7446.000M	20.3	+0.0	+36.4	+0.2	-39.7	+0.0	36.2	54.0 -17.8	Horiz
	Ave		+7.7	+11.1	+0.2	+0.0			R7_A1_PA2X2_D	
(0)	7440 000 4	20.2	+0.0	+0.0	+0.0	+0.0	ι Ο Ο	26.2	TS 17.8	Ho::-
60	7440.000M	20.3	$+0.0 \\ +7.7$	+36.4 +11.1	+0.2 +0.2	-39.7 +0.0	+0.0	36.2	54.0 -17.8	Horiz
	Ave		+7.7	+11.1 +0.0	+0.2	+0.0			R8_A2_PA2X2_BL E_H	
			10.0	10.0	10.0	10.0			₽_11	

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(1 7445 007) (20.2	. 0. 0	. 26.4	. 0. 0	20.7	. 0. 0	26.1	540 170	TT .
61 7445.227M	20.2	+0.0	+36.4	+0.2	-39.7	+0.0	36.1	54.0 -17.9	Horiz
Ave		$+7.7 \\ +0.0$	$+11.1 \\ +0.0$	+0.2 +0.0	$^{+0.0}_{+0.0}$			R8_A2_PA2X2_D TS-X	
^ 7445.227M	32.2	+0.0	+36.4	+0.0	-39.7	+0.0	48.1	54.0 -5.9	Horiz
· /443.22/1VI	32.2	+0.0 +7.7	+30.4	+0.2	-39.7 +0.0	+0.0	46.1	R8_A2_PA2X2_D	попх
		+0.0	+0.0	+0.2	+0.0 +0.0			TS-X	
63 7206.917M	20.8	+0.0	+35.8	+0.1	-39.6	+0.0	35.5	54.0 -18.5	Horiz
Ave	20.0	+7.5	+10.7	+0.1	+0.0	+0.0	33.3	R8_A2_PA2X2_BL	110112
7110		+0.0	+0.0	+0.0	+0.0			E_L	
64 7439.350M	18.9	+0.0	+36.4	+0.2	-39.7	+0.0	34.8	54.0 -19.2	Horiz
Ave	10.7	+7.7	+11.1	+0.2	+0.0	10.0	31.0	R7_A1_PA2x2_BL	HOHE
		+0.0	+0.0	+0.0	+0.0			Е Н	
^ 7439.350M	31.3	+0.0	+36.4	+0.2	-39.7	+0.0	47.2	54.0 -6.8	Horiz
		+7.7	+11.1	+0.2	+0.0			R7_A1_PA2x2_BL	
		+0.0	+0.0	+0.0	+0.0			E_H	
66 4804.617M	26.4	+0.0	+33.2	+0.4	-39.8	+0.0	34.6	54.0 -19.4	Horiz
Ave		+6.1	+8.0	+0.3	+0.0			R8_A2_PA2X2_BL	
		+0.0	+0.0	+0.0	+0.0			E_L	
67 7440.550M	18.7	+0.0	+36.4	+0.2	-39.7	+0.0	34.6	54.0 -19.4	Horiz
Ave		+7.7	+11.1	+0.2	+0.0			R8_A1_PA2X2_BL	
		+0.0	+0.0	+0.0	+0.0			E_H	
^ 7440.550M	31.8	+0.0	+36.4	+0.2	-39.7	+0.0	47.7	54.0 -6.3	Horiz
		+7.7	+11.1	+0.2	+0.0			R8_A1_PA2X2_BL	
		+0.0	+0.0	+0.0	+0.0			E_H	
69 7445.600M	18.6	+0.0	+36.4	+0.2	-39.7	+0.0	34.5	54.0 -19.5	Horiz
Ave		+7.7	+11.1	+0.2	+0.0			R8_A1_PA2X2_D	
		+0.0	+0.0	+0.0	+0.0			TS_X	
^ 7445.600M	32.4	+0.0	+36.4	+0.2	-39.7	+0.0	48.3	54.0 -5.7	Horiz
		+7.7	+11.1	+0.2	+0.0			R8_A1_PA2X2_D	
. 5445.5453.5	20.7	+0.0	+0.0	+0.0	+0.0			TS_X	** .
^ 7445.517M	29.7	+0.0	+36.4	+0.2	-39.7	+0.0	45.6	54.0 -8.4	Horiz
		+7.7	+11.1	+0.2	+0.0			R7_A1_R8_A2_PA	
		+0.0	+0.0	+0.0	+0.0			2X2_DTS_BLE_H	
72 7206.800M	19.8	+0.0	+35.8	+0.1	-39.6	+0.0	34.5	54.0 -19.5	Horiz
Ave	17.0	+0.0 +7.5	+33.8	+0.1	-39.0 +0.0	+0.0	54.5	R7_A1_PA2x2_BL	HOHZ
7110		+0.0	+0.0	+0.2	+0.0			E L	
73 7320.000M	19.4		+36.2	+0.1	-39.8	+0.0	34.5	54.0 -19.5	Horiz
Ave	17.7	+7.6	+10.8	+0.1	+0.0	10.0	ر.۳.	R7_A1_PA2x2_BL	110112
		+0.0	+0.0	+0.0	+0.0			E_M	
74 7319.950M	19.1	+0.0	+36.2	+0.1	-39.8	+0.0	34.2	54.0 -19.8	Horiz
Ave	-/	+7.6	+10.8	+0.2	+0.0		- ·· -	R8_A1_PA2X2_BL	
		+0.0	+0.0	+0.0	+0.0			E_M	
75 7440.000M	18.3	+0.0	+36.4	+0.2	-39.7	+0.0	34.2	54.0 -19.8	Horiz
Ave		+7.7	+11.1	+0.2	+0.0			R7_A2_PA2X2_BL	
		+0.0	+0.0	+0.0	+0.0			E_H	
^ 7440.000M	32.1	+0.0	+36.4	+0.2	-39.7	+0.0	48.0	54.0 -6.0	Horiz
		+7.7	+11.1	+0.2	+0.0			R7_A2_PA2X2_BL	
		+0.0	+0.0	+0.0	+0.0			E_H	
^ 7440.000M	31.3	+0.0	+36.4	+0.2	-39.7	+0.0	47.2	54.0 -6.8	Horiz
		+7.7	+11.1	+0.2	+0.0			R8_A2_PA2X2_BL	
		+0.0	+0.0	+0.0	+0.0			E_H	
									



70	7206 950M	10.5	.00	125.0	ι Ο 1	20.6	.00	24.2	540	10.0	II a ai a
/8	7206.850M	19.5	$+0.0 \\ +7.5$	$+35.8 \\ +10.7$	$+0.1 \\ +0.2$	-39.6 +0.0	+0.0	34.2	54.0 R8_A1_PA2		Horiz
	Ave		+0.0	+10.7	+0.2	+0.0 +0.0			E L	AZ_BL	
	7206.917M	34.1	+0.0	+35.8	+0.1	-39.6	+0.0	48.8	54.0	-5.2	Horiz
	/200.91/WI	34.1	+7.5	+33.8	+0.1	+0.0	+0.0	40.0	R8_A2_PA2		110112
				+0.0	+0.2	+0.0			E_L	AZ_DL	
^	7206.800M	33.0	+0.0	+35.8	+0.1	-39.6	+0.0	47.7		-6.3	Horiz
	7200.000IVI	33.0	+7.5	+10.7	+0.1	+0.0	10.0	77.7	R7_A1_PA2		110112
				+0.0	+0.0	+0.0			E_L	.x2_bL	
^	7206.850M	32.8	+0.0	+35.8	+0.1	-39.6	+0.0	47.5	54.0	-6.5	Horiz
	7200.030W	32.0	+7.5	+10.7	+0.1	+0.0	10.0	47.5	R8_A1_PA2		HOHZ
				+0.0	+0.0	+0.0			E_L	<u></u>	
82	7446.000M	18.2	+0.0	+36.4	+0.2	-39.7	+0.0	34.1	54.0	-19.9	Horiz
	Ave	10.2	+7.7	+11.1	+0.2	+0.0	10.0	5	R7_A2_PA2		TIOTIE
	11,0			+0.0		+0.0			TS_X		
^	7446.000M	34.4	+0.0	+36.4	+0.2	-39.7	+0.0	50.3	54.0	-3.7	Horiz
			+7.7	+11.1	+0.2	+0.0			R7_A1_PA2		
				+0.0		+0.0			TS	_	
^	7446.000M	32.0	+0.0	+36.4	+0.2	-39.7	+0.0	47.9	54.0	-6.1	Horiz
			+7.7	+11.1	+0.2	+0.0			R7_A2_PA2		-
				+0.0	+0.0	+0.0			TS_X	_	
85	7320.000M	18.5	+0.0	+36.2	+0.1	-39.8	+0.0	33.6	54.0	-20.4	Horiz
	Ave		+7.6	+10.8	+0.2	+0.0			R7_A2_PA2	X2 BL	
			+0.0	+0.0	+0.0	+0.0			E_M		
^	7320.000M	33.5	+0.0	+36.2	+0.1	-39.8	+0.0	48.6	54.0	-5.4	Horiz
			+7.6	+10.8	+0.2	+0.0			R7_A1_PA2	2x2_BL	
			+0.0	+0.0	+0.0	+0.0			E_M		
^	7319.950M	32.6	+0.0	+36.2	+0.1	-39.8	+0.0	47.7	54.0	-6.3	Horiz
			+7.6	+10.8	+0.2	+0.0			R8_A1_PA2	X2_BL	
			+0.0	+0.0	+0.0	+0.0			E_M		
^	7320.000M	32.5	+0.0	+36.2	+0.1	-39.8	+0.0	47.6	54.0	-6.4	Horiz
			+7.6	+10.8	+0.2	+0.0			R7_A2_PA2	X2_BL	
				+0.0	+0.0	+0.0			E_M		
89	4964.000M	24.5	+0.0	+33.5	+0.4	-39.6	+0.0	33.6	54.0	-20.4	Horiz
	Ave			+8.4		+0.0			R8_A2_PA2	2X2_D	
				+0.0		+0.0			TS-X		
^	4964.000M	37.0	+0.0	+33.5	+0.4	-39.6	+0.0	46.1	54.0	-7.9	Horiz
					+0.3				R8_A2_PA2	2X2_D	
			+0.0	+0.0	+0.0	+0.0			TS-X		
_ ^	4964.000M	34.8	+0.0	+33.5	+0.4	-39.6	+0.0	43.9	54.0	-10.1	Horiz
			+6.1	+8.4	+0.3	+0.0			R7_A1_PA2	2X2_D	
		<u> </u>	+0.0	+0.0	+0.0	+0.0			TS		
^	4964.000M	34.7	+0.0	+33.5	+0.4	-39.6	+0.0	43.8	54.0	-10.2	Horiz
			+6.1	+8.4	+0.3	+0.0			R7_A2_PA2	2X2_D	
			+0.0	+0.0	+0.0	+0.0			TS_X		



02	4060 000M	24.3	ι Ο Ο	+33.5	+0.4	20.6	ι Ο Ο	33.4	54.0 -20.6	Uori-
	4960.000M	24.5	+0.0 +6.1		+0.4 +0.3	-39.6	+0.0	33.4	54.0 -20.6 R8_A2_PA2X2_BL	Horiz
	Ave		+0.1 +0.0	$+8.4 \\ +0.0$	+0.5 +0.0	+0.0 +0.0			K8_A2_PA2X2_BL E_H	
٨	4960.000M	37.6	+0.0	+33.5	+0.0	-39.6	+0.0	46.7	54.0 -7.3	Horiz
	4900.000M	37.0	+0.0 +6.1	+33.3 +8.4	+0.4	-39.0 +0.0	+0.0	40.7	74.0 -7.3 R8_A2_PA2X2_BL	HOHZ
			+0.1	+0.4	+0.5 +0.0	+0.0 +0.0			E H	
٨	4960.000M	33.9	+0.0	+33.5	+0.4	-39.6	+0.0	43.0	54.0 -11.0	Horiz
	4900.000W	33.9	+6.1	+33.3	+0.4	+0.0	+0.0	43.0	R7_A2_PA2X2_BL	110112
			+0.1	+0.0	+0.0	+0.0			E_H	
96	4804.567M	25.2	+0.0	+33.2	+0.4	-39.8	+0.0	33.4	54.0 -20.6	Horiz
	Ave	23.2	+6.1	+8.0	+0.3	+0.0	10.0	33.4	R8_A1_PA2X2_BL	HOHZ
	1110		+0.0	+0.0	+0.0	+0.0			E_L	
٨	4804.617M	40.0	+0.0	+33.2	+0.4	-39.8	+0.0	48.2	54.0 -5.8	Horiz
	.001.01/141	10.0	+6.1	+8.0	+0.3	+0.0	10.0	10.2	R8_A2_PA2X2_BL	110112
			+0.0	+0.0	+0.0	+0.0			E_L	
٨	4804.567M	38.5	+0.0	+33.2	+0.4	-39.8	+0.0	46.7	54.0 -7.3	Horiz
	.0007111	20.0	+6.1	+8.0	+0.3	+0.0	. 0.0	,	R8_A1_PA2X2_BL	
			+0.0	+0.0	+0.0	+0.0			E_L	
٨	4804.533M	34.6	+0.0	+33.2	+0.4	-39.8	+0.0	42.8	54.0 -11.2	Horiz
			+6.1	+8.0	+0.3	+0.0			R7_A1_PA2x2_BL	
			+0.0	+0.0	+0.0	+0.0			E_L	
100	7205.400M	18.6	+0.0	+35.8	+0.1	-39.6	+0.0	33.3	54.0 -20.7	Horiz
	Ave		+7.5	+10.7	+0.2	+0.0			R7_A2_PA2X2_BL	
			+0.0	+0.0	+0.0	+0.0			E_L	
٨	7205.400M	32.1	+0.0	+35.8	+0.1	-39.6	+0.0	46.8	54.0 -7.2	Horiz
			+7.5	+10.7	+0.2	+0.0			R7_A2_PA2X2_BL	
			+0.0	+0.0	+0.0	+0.0			E_L	
102	4879.967M	23.8	+0.0	+33.2	+0.4	-39.7	+0.0	32.3	54.0 -21.7	Horiz
	Ave		+6.1	+8.2	+0.3	+0.0			R8_A1_PA2X2_BL	
			+0.0	+0.0	+0.0	+0.0			E_M	
٨	4879.967M	36.0	+0.0	+33.2	+0.4	-39.7	+0.0	44.5	54.0 -9.5	Horiz
			+6.1	+8.2	+0.3	+0.0			R8_A1_PA2X2_BL	
			+0.0	+0.0	+0.0	+0.0			E_M	
٨	4880.000M	35.1	+0.0	+33.2	+0.4	-39.7	+0.0	43.6	54.0 -10.4	Horiz
			+6.1	+8.2	+0.3	+0.0			R7_A1_PA2x2_BL	
			+0.0	+0.0	+0.0	+0.0			E_M	
٨	4880.000M	34.2	+0.0	+33.2	+0.4	-39.7	+0.0	42.7	54.0 -11.3	Horiz
				+8.2		+0.0			R7_A2_PA2X2_BL	
			+0.0	+0.0	+0.0	+0.0			E_M	
	4880.467M	23.5	+0.0	+33.2	+0.4	-39.7	+0.0	32.0	54.0 -22.0	Horiz
	Ave		+6.1	+8.2	+0.3	+0.0			R8_A2_PA2X2_BL	
			+0.0	+0.0	+0.0	+0.0			E_M	
٨	4880.467M	36.9	+0.0	+33.2	+0.4	-39.7	+0.0	45.4	54.0 -8.6	Horiz
			+6.1	+8.2	+0.3	+0.0			R8_A2_PA2X2_BL	
	4000 5503.5	25.0	+0.0	+0.0	+0.0	+0.0	0.0	444	E_M	** .
٨	4880.553M	35.9	+0.0	+33.2	+0.4	-39.7	+0.0	44.4	54.0 -9.6	Horiz
			+6.1	+8.2	+0.3	+0.0			R7_A1_R8_A2_PA	
			+0.0	+0.0	+0.0	+0.0			2X2_BLE_M_M	



109 4960.367M	21.7	+0.0	+33.5	+0.4	-39.6	+0.0	30.8	54.0	-23.2	Horiz
Ave		+6.1	+8.4	+0.3	+0.0			R8_A1_PA	2X2_BL	
		+0.0	+0.0	+0.0	+0.0			E_H		
^ 4960.367M	35.6	+0.0	+33.5	+0.4	-39.6	+0.0	44.7	54.0	-9.3	Horiz
		+6.1	+8.4	+0.3	+0.0			R8_A1_PA	2X2_BL	
		+0.0	+0.0	+0.0	+0.0			E_H		
111 4963.733M	21.6	+0.0	+33.5	+0.4	-39.6	+0.0	30.7	54.0	-23.3	Horiz
Ave		+6.1	+8.4	+0.3	+0.0			R8_A1_PA	^2X2_D	
		+0.0	+0.0	+0.0	+0.0			TS_X		
^ 4963.733M	35.9	+0.0	+33.5	+0.4	-39.6	+0.0	45.0	54.0	-9.0	Horiz
		+6.1	+8.4	+0.3	+0.0			R8_A1_PA	^2X2_D	
		+0.0	+0.0	+0.0	+0.0			TS_X		
113 4963.733M	20.7	+0.0	+33.5	+0.4	-39.6	+0.0	29.8	54.0	-24.2	Vert
Ave		+6.1	+8.4	+0.3	+0.0			R8_A2_PA	^2X2_D	
		+0.0	+0.0	+0.0	+0.0			TS_X		
^ 4963.733M	33.5	+0.0	+33.5	+0.4	-39.6	+0.0	42.6	54.0	-11.4	Vert
		+6.1	+8.4	+0.3	+0.0			R8_A2_PA	^2X2_D	
		+0.0	+0.0	+0.0	+0.0			TS X		

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Test Location: CKC Laboratories, Inc. • 110 N. Olinda Place • Brea, CA 92823 • 714 993-6112

Customer: Walt Disney Parks and Resorts US, Inc.

Specification: 15.247(d) / 15.209 Radiated Spurious Emissions

 Work Order #:
 101978
 Date:
 12/14/2018

 Test Type:
 Radiated Scan
 Time:
 11:39:11

 Tested By:
 E. Wong
 Sequence#:
 2

Software: EMITest 5.03.11

Equipment Tested:

Device	Manufacturer	Model #	S/N	
Configuration 1				

Support Equipment:

Device	Manufacturer	Model #	S/N	
Configuration 1				

Test Conditions / Notes:

The EUT is placed on the Styrofoam block. ETHO is connected to remotely located support POE, Switch and laptop. ETH1 is connected to a section of UTP, USB ports are connected to section of USB cable, GPIO ports are terminated to simulated loads. RX port connects to a Dipole antenna. Micro USB Service port left unpopulated

Remote laptop runs test software to set the EUT into test mode.

Evaluation for Permissive Change II equipment authorization process with various antenna type and configurations. FCCID: 2AJS4-RN-R1G1

Radio port 7 and radio port 8 are connected to the antenna in accordance with available configuration.

Protocol:

BLE, 2402MHz, 2440MHz, 2480MHz DTS (proprietary): 2482MHz single channel

Ant1: PA2X2, 8dBi + 2 x 10ft Pasternack RG223/ U 2 with 6dB loss at 2440MHz

Ant2: MA510, 3.9dBi Ant3:MA673, 4.1 dBi

Ant4: HG2458, 13dBi + 2 x 10ft Pasternack RG223/ U 2 with 6dB loss at 2440MHz

Firmware power setting 0 dBm

Antenna under investigation: MA510

Frequency range of measurement = 9 kHz- 25 GHz.

9 kH -150 kHz;RBW=200 Hz,VBW=200 Hz;150 kHz-30 MHz;RBW=9 kHz,VBW=9 kHz;30 MHz-1000 MHz;RBW=120 kHz,VBW=120 kHz,1000 MHz-25000MHz MHz;RBW=1 MHz,VBW=1 MHz.

Test environment conditions:

Temperature: 17.3°C, Relative Humidity: 54%, Pressure: 100.8kPa

Test method in accordance with FCC document: 558074 558074 D01 15.247 Meas Guidance v05. Investigation in all orientation, worst case orientation presented.

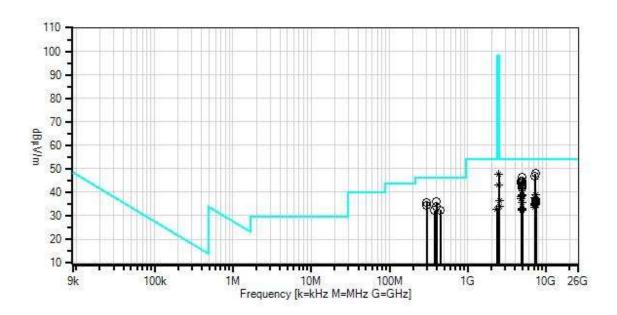
Site D

ANSI C63.10-2013

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Walt Disney Parks and Resorts US, Inc. WO#: 101978 Sequence#; 2 Date: 12/14/2018 15.247(d) / 15.209 Radiated Spurious Emissions Test Distance: 3 Meters Horiz



----- Readings

× QP Readings
 ▼ Ambient

--- 1 - 15.247(d) / 15.209 Radiated Spurious Emissions

O Peak Readings

Average Readings Software Version: 5.03.11

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Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
T1	AN02869	Spectrum Analyzer	E4440A	8/10/2018	8/10/2019
T2	AN01646	Horn Antenna	3115	3/14/2018	3/14/2020
T3	ANP07247	Cable	32022-29094K-	7/5/2018	7/5/2020
			29094K-24TC		
T4	AN00787	Preamp	83017A	6/9/2017	6/9/2019
T5	ANP07138	Cable	ANDL1-	3/1/2017	3/1/2019
			PNMNM-60		
T6	ANP04382	Cable	LDF-50	6/2/2018	6/2/2020
T7	AN03385	High Pass Filter	11SH10-	6/2/2017	6/2/2019
			3000/T10000-		
			0/0		
T8	AN01994	Biconilog Antenna	CBL6111C	4/23/2018	4/23/2020
Т9	ANP05283	Attenuator	ATT-0218-06-	4/5/2018	4/5/2020
			NNN-02		
T10	ANP01911	Cable-Amplitude +15C	RG214/U	1/8/2018	1/8/2020
		to +45C (dB)			
T11	AN00010	Preamp	8447D	2/19/2018	2/19/2020
T12	ANP06978	Cable	Sucoflex 104A	3/31/2018	3/31/2020
	AN00314	Loop Antenna	6502	5/13/2018	5/13/2020
	AN01413	Horn Antenna-ANSI	84125-80008	10/17/2018	10/17/2020
		C63.5 (dB/m)			
	AN03367	Horn Antenna-ANSI	62-GH-62-25.	8/24/2017	8/24/2019
		C63.5 Calibration			

Measu	rement Data:	R	eading lis	ted by ma	argin.		Te	est Distanc	e: 3 Meters		
#	Freq	Rdng	T1	T2	Т3	T4	Dist	Corr	Spec	Margin	Polar
			T5	T6	T7	T8					
			T9	T10	T11	T12					
	MHz	dΒμV	dB	dB	dB	dB	Table	$dB\mu V/m$	$dB\mu V/m$	dB	Ant
1	7320.033M	32.8	+0.0	+36.2	+0.1	-39.8	+0.0	47.9	54.0	-6.1	Vert
			+7.6	+10.8	+0.2	+0.0			R7_A1_M	A510_B	
			+0.0	+0.0	+0.0	+0.0			LE_M		
2	2487.970M	49.5	+0.0	+28.5	+0.3	-40.2	+0.0	47.7	54.0	-6.3	Horiz
	Ave		+4.1	+5.5	+0.0	+0.0			R7_A1_R8	3_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_BLE	E_H2_DT	
									S		
3	7206.850M	32.3	+0.0	+35.8	+0.1	-39.6	+0.0	47.0	54.0	-7.0	Horiz
			+7.5	+10.7	+0.2	+0.0			R7_A1_M	A510_B	
			+0.0	+0.0	+0.0	+0.0			LE_L		
4	4952.050M	37.4	+0.0	+33.5	+0.4	-39.6	+0.0	46.5	54.0	-7.5	Horiz
			+6.1	+8.4	+0.3	+0.0			R7_A1_R8	3_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_DTS	S_BLE_	
									H2		
5	4952.000M	35.8	+0.0	+33.5	+0.4	-39.6	+0.0	44.9	54.0	-9.1	Horiz
			+6.1	+8.4	+0.3	+0.0			R7_A1_R8	3_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_BLE	E_H2_DT	
									S		

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6	4811.930M	36.4	+0.0	+33.2	+0.4	-39.8	+0.0	44.6	54.0 -9.4	Horiz
			+6.1	+8.0	+0.3	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_BLE_L_L2	
7	4960.250M	34.9	+0.0	+33.5	+0.4	-39.6	+0.0	44.0	54.0 -10.0	Horiz
			+6.1	+8.4	+0.3	+0.0			R7_A2_MA510_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
8	4804.167M	35.7	+0.0	+33.2	+0.4	-39.8	+0.0	43.9	54.0 -10.1	Horiz
			+6.1	+8.0	+0.3	+0.0			R7_A2_MA510_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
9	400.000M	37.1	+0.0	+0.0	+0.0	+0.0	+0.0	35.9	46.0 -10.1	Vert
			+0.0	+2.1	+0.0	+16.0			R8_A2_MA510_B	
			+5.8	+2.0	-27.3	+0.2			LE_H	
10	300.000M	39.4	+0.0	+0.0	+0.0	+0.0	+0.0	35.7		Horiz
			+0.0	+1.8	+0.0	+13.4			R8_A2_MA510_B	
			+5.8	+1.6	-26.5	+0.2			LE_H	
11	2487.953M	45.0	+0.0	+28.5	+0.3	-40.2	+0.0	43.2	54.0 -10.8	Horiz
	Ave		+4.1	+5.5	+0.0	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_DTS_BLE_	
									H2	
^	2487.970M	65.5	+0.0	+28.5	+0.3	-40.2	+0.0	63.7	54.0 +9.7	Horiz
			+4.1	+5.5	+0.0	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_BLE_H2_DT	
									S	
٨	2487.953M	62.9	+0.0	+28.5	+0.3	-40.2	+0.0	61.1	54.0 +7.1	Horiz
			+4.1	+5.5	+0.0	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_DTS_BLE_	
									H2	
14	4964.680M	34.0	+0.0	+33.5	+0.4	-39.6	+0.0	43.1	54.0 -10.9	Horiz
			+6.1	+8.4	+0.3	+0.0			R7_A1_MA510_D	
			+0.0	+0.0	+0.0	+0.0			TS	
15	4951.333M	33.7	+0.0	+33.5	+0.4	-39.6	+0.0	42.8	54.0 -11.2	Horiz
			+6.1	+8.4	+0.3	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_BLE_H_H2	
16	4964.000M	33.4	+0.0	+33.5	+0.4	-39.6	+0.0	42.5	54.0 -11.5	Horiz
	Ave		+6.1	+8.4	+0.3	+0.0			R8_A1_MA510_	
			+0.0	+0.0	+0.0	+0.0			DTS X	
^	4964.000M	44.0	+0.0	+33.5	+0.4	-39.6	+0.0	53.1	54.0 -0.9	Horiz
				+8.4		+0.0			R8_A1_MA510_	
			+0.0	+0.0	+0.0	+0.0			DTS X	
18	300.003M	38.2	+0.0	+0.0	+0.0	+0.0	+0.0	34.5	46.0 -11.5	Vert
			+0.0	+1.8	+0.0	+13.4			R8_A2_MA510_B	
			+5.8	+1.6	-26.5	+0.2			LE_H	
19	399.920M	35.3	+0.0	+0.0	+0.0	+0.0	+0.0	34.1	46.0 -11.9	Horiz
			+0.0	+2.1	+0.0	+16.0			R8_A2_MA510_B	
			+5.8	+2.0	-27.3	+0.2			LE_H	
20	4879.983M	33.2	+0.0	+33.2	+0.4	-39.7	+0.0	41.7	54.0 -12.3	Vert
		/-	+6.1	+8.2	+0.3	+0.0			R7_A1_MA510_B	
			+0.0	+0.0	+0.0	+0.0			LE_M	
21	449.080M	32.6	+0.0	+0.0	+0.0	+0.0	+0.0	32.3	46.0 -13.7	Horiz
1			+0.0	+2.2	+0.0	+17.0			R8_A2_MA510_B	
			+5.8	+2.1	-27.6	+0.2			LE_H	
					_,,,				 -	



22	374.970M	33.9	+0.0	+0.0	+0.0	+0.0	+0.0	32.1	46.0 -13.9	Vert
			+0.0	+2.0	+0.0	+15.4			R8_A2_MA510_B	
			+5.8	+1.9	-27.1	+0.2			LE_H	
23	4880.000M	30.6	+0.0	+33.2	+0.4	-39.7	+0.0	39.1		Horiz
	Ave		+6.1	+8.2	+0.3	+0.0			R8_A1_MA510_	
			+0.0	+0.0	+0.0	+0.0			BLE_M	
^	4880.000M	42.4	+0.0	+33.2	+0.4	-39.7	+0.0	50.9	54.0 -3.1	Horiz
			+6.1	+8.2	+0.3	+0.0			R8_A1_MA510_	
			+0.0	+0.0	+0.0	+0.0			BLE_M	
^	4879.983M	35.4	+0.0	+33.2	+0.4	-39.7	+0.0	43.9		Horiz
			+6.1	+8.2	+0.3	+0.0			R7_A1_MA510_B	
				+0.0	+0.0	+0.0			LE_M	
^	4880.000M	35.1	+0.0	+33.2	+0.4	-39.7	+0.0	43.6	54.0 -10.4	Horiz
			+6.1	+8.2	+0.3	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_BLE_M_M	
27	7445.333M	23.2	+0.0	+36.4	+0.2	-39.7	+0.0	39.1	54.0 -14.9	Horiz
	Ave		+7.7	+11.1	+0.2	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_BLE_H2_DT	
									S	
^	7445.333M	36.0	+0.0	+36.4	+0.2	-39.7	+0.0	51.9	54.0 -2.1	Horiz
			+7.7	+11.1	+0.2	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_BLE_H2_DT	
									S	
29	7319.600M	23.9	+0.0	+36.2	+0.1	-39.8	+0.0	39.0	54.0 -15.0	Vert
	Ave		+7.6	+10.8	+0.2	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_BLE_M_M	
^	7319.600M	35.5	+0.0	+36.2	+0.1	-39.8	+0.0	50.6	54.0 -3.4	Vert
			+7.6	+10.8	+0.2	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_BLE_M_M	
31	4959.483M	29.7	+0.0	+33.5	+0.4	-39.6	+0.0	38.8	54.0 -15.2	Horiz
	Ave		+6.1	+8.4	+0.3	+0.0			R8_A2_MA510_B	
				+0.0	+0.0	+0.0			LE_H	
^	4959.483M	43.6	+0.0	+33.5	+0.4	-39.6	+0.0	52.7	54.0 -1.3	Horiz
			+6.1	+8.4	+0.3	+0.0			R8_A2_MA510_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
33	7320.000M	23.7	+0.0	+36.2	+0.1	-39.8	+0.0	38.8	54.0 -15.2	Horiz
	Ave		+7.6	+10.8	+0.2	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_BLE_M_M	
^	7320.000M	38.1	+0.0	+36.2	+0.1	-39.8	+0.0	53.2	54.0 -0.8	Horiz
			+7.6	+10.8	+0.2	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_BLE_M_M	
35	4964.367M	29.4	+0.0	+33.5	+0.4	-39.6	+0.0	38.5	54.0 -15.5	Horiz
	Ave		+6.1	+8.4	+0.3	+0.0			R8_A2_MA510_D	
			+0.0	+0.0	+0.0	+0.0			TS X	



26	4002 7001 4	20.0	. 0. 0	. 22. 2	. 0. 4	20.0	. 0. 0	20.0	540 160	TT .
	4803.700M	29.8	+0.0	+33.2	+0.4	-39.8	+0.0	38.0	54.0 -16.0	Horiz
	Ave		+6.1	+8.0	+0.3	+0.0			R8_A2_MA510_B	
	4002 7001 4	12.1	+0.0	+0.0	+0.0	+0.0	. 0. 0	50.6	LE_L	77 '
^	4803.700M	42.4	+0.0	+33.2	+0.4	-39.8	+0.0	50.6	54.0 -3.4	Horiz
			+6.1	+8.0	+0.3	+0.0			R8_A2_MA510_B	
	1002 5503 5	20.1	+0.0	+0.0	+0.0	+0.0	0.0	4.5.0	LE_L	** .
^	4803.770M	38.1	+0.0	+33.2	+0.4	-39.8	+0.0	46.3	54.0 -7.7	Horiz
			+6.1	+8.0	+0.3	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_BLE_L_L2	
	7218.500M	22.8	+0.0	+35.9	+0.1	-39.6	+0.0	37.6	54.0 -16.4	Horiz
	Ave		+7.5	+10.7	+0.2	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_BLE_L_L2	
^	7218.500M	36.1	+0.0	+35.9	+0.1	-39.6	+0.0	50.9	54.0 -3.1	Horiz
			+7.5	+10.7	+0.2	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_BLE_L_L2	
	7439.717M	21.4	+0.0	+36.4	+0.2	-39.7	+0.0	37.3	54.0 -16.7	Horiz
	Ave		+7.7	+11.1	+0.2	+0.0			R8_A2_MA510_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
٨	7439.717M	34.9	+0.0	+36.4	+0.2	-39.7	+0.0	50.8	54.0 -3.2	Horiz
			+7.7	+11.1	+0.2	+0.0			R8_A2_MA510_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
43	4804.483M	28.9	+0.0	+33.2	+0.4	-39.8	+0.0	37.1	54.0 -16.9	Horiz
	Ave		+6.1	+8.0	+0.3	+0.0			R8_A1_MA510_	
			+0.0	+0.0	+0.0	+0.0			BLE_L	
^	4804.483M	42.4	+0.0	+33.2	+0.4	-39.8	+0.0	50.6	54.0 -3.4	Horiz
			+6.1	+8.0	+0.3	+0.0			R8_A1_MA510_	
			+0.0	+0.0	+0.0	+0.0			BLE_L	
٨	4804.417M	34.7	+0.0	+33.2	+0.4	-39.8	+0.0	42.9		Horiz
			+6.1	+8.0	+0.3	+0.0			R7_A1_MA510_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
46	7319.300M	21.6	+0.0	+36.2	+0.1	-39.8	+0.0	36.7	54.0 -17.3	Horiz
	Ave		+7.6	+10.8	+0.2	+0.0			R8_A1_MA510_	
			+0.0	+0.0	+0.0	+0.0			BLE_M	
^	7319.300M	36.2	+0.0	+36.2	+0.1	-39.8	+0.0	51.3	54.0 -2.7	Horiz
			+7.6	+10.8	+0.2	+0.0			R8_A1_MA510_	
			+0.0	+0.0	+0.0	+0.0			BLE_M	
48	2520.620M	38.4	+0.0	+28.5	+0.3	-40.2	+0.0	36.6	54.0 -17.4	Horiz
	Ave		+4.1	+5.5	+0.0	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_DTS_BLE_	
									H2	
٨	2520.620M	51.0	+0.0	+28.5	+0.3	-40.2	+0.0	49.2	54.0 -4.8	Horiz
			+4.1	+5.5	+0.0	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_DTS_BLE_	
									H2	
50	7320.600M	21.4	+0.0	+36.2	+0.1	-39.8	+0.0	36.5	54.0 -17.5	Horiz
	Ave		+7.6	+10.8	+0.2	+0.0			R8_A2_MA510_B	
			+0.0	+0.0	+0.0	+0.0			LE_M	
٨	7320.600M	34.9	+0.0	+36.2	+0.1	-39.8	+0.0	50.0	54.0 -4.0	Horiz
			+7.6	+10.8	+0.2	+0.0			R8_A2_MA510_B	
			+0.0	+0.0	+0.0	+0.0			LE_M	

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52 7446 550M	20.2	. 0. 0	126.4	.0.2	20.7	.00	26.1	540 170	II
52 7446.550M	20.2	+0.0 +7.7	+36.4	+0.2 +0.2	-39.7	+0.0	36.1	54.0 -17.9 R8_A2_MA510_D	Horiz
Ave		+0.0	$+11.1 \\ +0.0$	+0.2	+0.0 +0.0			TS X	
53 7446.000M	20.1	+0.0	+36.4	+0.2	-39.7	+0.0	36.0	54.0 -18.0	Horiz
Ave	20.1	+0.0 +7.7	+11.1	+0.2	+0.0	+0.0	30.0	R8_A1_MA510_	110112
Ave		+0.0	+0.0	+0.0	+0.0			DTS X	
^ 7446.000M	34.6	+0.0	+36.4	+0.2	-39.7	+0.0	50.5	54.0 -3.5	Horiz
7440.000141	34.0	+7.7	+11.1	+0.2	+0.0	10.0	30.3	R8_A1_MA510_	HOHZ
		+0.0	+0.0	+0.0	+0.0			DTS X	
55 7439.500M	20.0	+0.0	+36.4	+0.2	-39.7	+0.0	35.9	54.0 -18.1	Horiz
Ave	20.0	+7.7	+11.1	+0.2	+0.0		22.5	R7_A1_MA510_B	110112
		+0.0	+0.0	+0.0	+0.0			LE_H	
^ 7439.500M	33.2	+0.0	+36.4	+0.2	-39.7	+0.0	49.1	54.0 -4.9	Horiz
		+7.7	+11.1	+0.2	+0.0			R7_A1_MA510_B	
		+0.0	+0.0	+0.0	+0.0			LE_H	
57 7428.953M	20.0	+0.0	+36.4	+0.2	-39.7	+0.0	35.9	54.0 -18.1	Horiz
Ave		+7.7	+11.1	+0.2	+0.0			R7_A1_R8_A2_M	
		+0.0	+0.0	+0.0	+0.0			A510_DTS_BLE_	
								H2	
^ 7428.953M	34.9	+0.0	+36.4	+0.2	-39.7	+0.0	50.8	54.0 -3.2	Horiz
		+7.7	+11.1	+0.2	+0.0			R7_A1_R8_A2_M	
		+0.0	+0.0	+0.0	+0.0			A510_DTS_BLE_	
								H2	
59 7440.683M	20.0	+0.0	+36.4	+0.2	-39.7	+0.0	35.9		Horiz
Ave		+7.7	+11.1	+0.2	+0.0			R7_A2_MA510_B	
		+0.0	+0.0	+0.0	+0.0			LE_H	
^ 7440.683M	32.8	+0.0	+36.4	+0.2	-39.7	+0.0	48.7	54.0 -5.3	Horiz
		+7.7	+11.1	+0.2	+0.0			R7_A2_MA510_B	
54 5320 2503 6	20.5	+0.0	+0.0	+0.0	+0.0	0.0		LE_H	** .
61 7320.250M	20.6	+0.0	+36.2	+0.1	-39.8	+0.0	35.7	54.0 -18.3	Horiz
Ave		+7.6	+10.8	+0.2	+0.0			R7_A1_MA510_B	
A 7220 250M	24.4	+0.0	+0.0	+0.0	+0.0	. 0. 0	10.5	LE_M 54.0 -4.5	TT
^ 7320.250M	34.4	+0.0	+36.2	+0.1	-39.8	+0.0	49.5		Horiz
		+7.6	+10.8	+0.2	+0.0			R7_A1_MA510_B	
63 4960.000M	26.5	+0.0	+0.0	+0.0	+0.0 -39.6	+0.0	35.6	LE_M 54.0 -18.4	Horiz
Ave	20.3	+0.0 +6.1	+33.5 +8.4	+0.4	-39.6 +0.0	+0.0	55.0	R8_A1_MA510_	HOHZ
Ave			+0.4		+0.0 +0.0			BLE_H	
^ 4960.000M	38.3	+0.0	+33.5	+0.4	-39.6	+0.0	47.4	54.0 -6.6	Horiz
+700.000WI	50.5	+6.1	+8.4	+0.4	+0.0	10.0	→ / . →	R8_A1_MA510_	110112
		+0.0	+0.0	+0.0	+0.0			BLE_H	
65 7445.233M	19.6	+0.0	+36.4	+0.2	-39.7	+0.0	35.5	54.0 -18.5	Vert
Ave	-2.0	+7.7	+11.1	+0.2	+0.0			R8_A2_MA510_B	. 520
		+0.0	+0.0	+0.0	+0.0			LE_H	
^ 7445.233M	33.8	+0.0	+36.4	+0.2	-39.7	+0.0	49.7	54.0 -4.3	Vert
		+7.7	+11.1	+0.2	+0.0			R8_A2_MA510_B	
		+0.0	+0.0	+0.0	+0.0			LE_H	
67 7440.000M	19.5	+0.0	+36.4	+0.2	-39.7	+0.0	35.4	54.0 -18.6	Horiz
Ave		+7.7	+11.1	+0.2	+0.0			R8_A1_MA510_	
		+0.0	+0.0	+0.0	+0.0			BLE_H	



68 7440.000M	19.3	+0.0	+36.4	+0.2	-39.7	+0.0	35.2	54.0 -18.8	Horiz
Ave		+7.7	+11.1	+0.2	+0.0			R7_A1_R8_A2_M	
		+0.0	+0.0	+0.0	+0.0			A510_BLE_H_H2	
^ 7440.000M	33.6	+0.0	+36.4	+0.2	-39.7	+0.0	49.5	54.0 -4.5	Horiz
		+7.7	+11.1	+0.2	+0.0			R8_A1_MA510_	
		+0.0	+0.0	+0.0	+0.0			BLE_H	
^ 7440.000M	33.1	+0.0	+36.4	+0.2	-39.7	+0.0	49.0	54.0 -5.0	Horiz
		+7.7	+11.1	+0.2	+0.0			R7_A1_R8_A2_M	
		+0.0	+0.0	+0.0	+0.0			A510_BLE_H_H2	
71 7206.500M	20.3	+0.0	+35.8	+0.1	-39.6	+0.0	35.0	54.0 -19.0	Horiz
Ave		+7.5	+10.7	+0.2	+0.0			R8_A2_MA510_B	
		+0.0	+0.0	+0.0	+0.0			LE_L	
72 7206.500M	20.2	+0.0	+35.8	+0.1	-39.6	+0.0	34.9	54.0 -19.1	Horiz
Ave		+7.5	+10.7	+0.2	+0.0			R7_A1_R8_A2_M	
		+0.0	+0.0	+0.0	+0.0			A510_BLE_L_L2	
73 7446.550M	18.8	+0.0	+36.4	+0.2	-39.7	+0.0	34.7	54.0 -19.3	Horiz
Ave	10.0	+7.7	+11.1	+0.2	+0.0	. 0.0	0	R7_A2_MA510_D	110112
1110		+0.0	+0.0	+0.0	+0.0			TS X	
^ 7446.550M	34.9	+0.0	+36.4	+0.2	-39.7	+0.0	50.8	54.0 -3.2	Horiz
7 1 10.330111	31.7	+7.7	+11.1	+0.2	+0.0	10.0	50.0	R8_A2_MA510_D	HOHE
		+0.0	+0.0	+0.0	+0.0			TS X	
^ 7446.550M	32.3	+0.0	+36.4	+0.2	-39.7	+0.0	48.2	54.0 -5.8	Horiz
7440.330W	34.3	+7.7	+11.1	+0.2	+0.0	+0.0	40.2	R7_A2_MA510_D	110112
		+0.0	+0.0	+0.2	+0.0			TS X	
76 7445.560M	18.8	+0.0	+36.4	+0.0	-39.7	+0.0	34.7		Horiz
Ave	10.0	+0.0 +7.7	+30.4	+0.2	-39.7 +0.0	+0.0	34.7	R7_A1_MA510_D	попи
Ave		+0.0	+0.0	+0.2	+0.0 +0.0			TS	
A 7445 5 COM	32.7		+36.4	+0.0		.00	48.6		II
^ 7445.560M	32.1	+0.0		+0.2	-39.7 +0.0	+0.0	48.0		Horiz
		+7.7	+11.1					R7_A1_MA510_D	
70 7210 ((7))	10.5	+0.0	+0.0	+0.0	+0.0	. 0. 0	24.6	TS	TT .
78 7319.667M	19.5	+0.0	+36.2	+0.1	-39.8	+0.0	34.6	54.0 -19.4	Horiz
Ave		+7.6	+10.8	+0.2	+0.0			R7_A2_MA510_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
^ 7319.667M	34.0	+0.0	+36.2	+0.1	-39.8	+0.0	49.1	54.0 -4.9	Horiz
		+7.6	+10.8	+0.2	+0.0			R7_A2_MA510_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
80 7206.483M	19.5	+0.0	+35.8	+0.1	-39.6	+0.0	34.2	54.0 -19.8	Horiz
Ave			+10.7					R8_A1_MA510_	
		+0.0	+0.0	+0.0	+0.0			BLE_L	
^ 7206.500M	35.7	+0.0	+35.8	+0.1	-39.6	+0.0	50.4	54.0 -3.6	Horiz
		+7.5	+10.7	+0.2	+0.0			R8_A2_MA510_B	
		+0.0	+0.0	+0.0	+0.0			LE_L	
^ 7206.500M	33.3	+0.0	+35.8	+0.1	-39.6	+0.0	48.0	54.0 -6.0	Horiz
		+7.5	+10.7	+0.2	+0.0			R7_A1_R8_A2_M	
		+0.0	+0.0	+0.0	+0.0			A510_BLE_L_L2	
^ 7206.483M	32.4	+0.0	+35.8	+0.1	-39.6	+0.0	47.1	54.0 -6.9	Horiz
		+7.5	+10.7	+0.2	+0.0			R8_A1_MA510_	
		+0.0	+0.0	+0.0	+0.0			BLE_L	
L								-	



84	2517.800M	35.7	+0.0	+28.5	+0.3	-40.2	+0.0	33.9	54.0 -20.1	Horiz
	Ave		+4.1	+5.5	+0.0	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_BLE_H_H2	
٨	2517.800M	48.2	+0.0	+28.5	+0.3	-40.2	+0.0	46.4	54.0 -7.6	Horiz
			+4.1	+5.5	+0.0	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_BLE_H_H2	
86	7206.950M	18.9	+0.0	+35.8	+0.1	-39.6	+0.0	33.6	54.0 -20.4	Horiz
	Ave		+7.5	+10.7	+0.2	+0.0			R7_A1_MA510_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
87	7206.250M	18.7	+0.0	+35.8	+0.1	-39.6	+0.0	33.4	54.0 -20.6	Horiz
	Ave		+7.5	+10.7	+0.2	+0.0			R7_A2_MA510_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
٨	7206.250M	32.4	+0.0	+35.8	+0.1	-39.6	+0.0	47.1	54.0 -6.9	Horiz
			+7.5	+10.7	+0.2	+0.0			R7_A2_MA510_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
89	4879.633M	24.5	+0.0	+33.2	+0.4	-39.7	+0.0	33.0	54.0 -21.0	Horiz
	Ave		+6.1	+8.2	+0.3	+0.0			R8_A2_MA510_B	
			+0.0	+0.0	+0.0	+0.0			LE_M	
^	4879.633M	38.4	+0.0	+33.2	+0.4	-39.7	+0.0	46.9	54.0 -7.1	Horiz
			+6.1	+8.2	+0.3	+0.0			R8_A2_MA510_B	
			+0.0	+0.0	+0.0	+0.0			LE_M	
91	4963.517M	23.4	+0.0	+33.5	+0.4	-39.6	+0.0	32.5	54.0 -21.5	Vert
	Ave		+6.1	+8.4	+0.3	+0.0			R8 A2 MA510 B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
^	4963.517M	37.2	+0.0	+33.5	+0.4	-39.6	+0.0	46.3	54.0 -7.7	Vert
			+6.1	+8.4	+0.3	+0.0			R8_A2_MA510_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
93	2364.400M	34.3	+0.0	+28.4	+0.3	-39.9	+0.0	32.5	54.0 -21.5	Horiz
	Ave		+4.0	+5.4	+0.0	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_BLE_L_L2	
^	2364.400M	49.9	+0.0	+28.4	+0.3	-39.9	+0.0	48.1	54.0 -5.9	Horiz
			+4.0	+5.4	+0.0	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A510_BLE_L_L2	
95	4964.367M	23.3	+0.0	+33.5	+0.4	-39.6	+0.0	32.4	54.0 -21.6	Horiz
, ,	Ave	20.0	+6.1	+8.4	+0.3	+0.0	. 0.0	02	R7_A2_MA510_D	110112
	1110		+0.0	+0.0	+0.0	+0.0			TS X	
^	4964.367M	42.4	+0.0	+33.5	+0.4	-39.6	+0.0	51.5	54.0 -2.5	Horiz
	.,01.30/111	.2. 1		+8.4		+0.0	. 0.0	51.5	R8_A2_MA510_D	110112
			+0.0	+0.0	+0.0	+0.0			TS X	
^	4964.367M	36.7	+0.0	+33.5	+0.4	-39.6	+0.0	45.8	54.0 -8.2	Horiz
	.,01.30/111	20.7	+6.1	+8.4	+0.3	+0.0	. 0.0	15.0	R7_A2_MA510_D	110112
			+0.0	+0.0	+0.0	+0.0			TS X	
98	4959.750M	23.1	+0.0	+33.5	+0.4	-39.6	+0.0	32.2	54.0 -21.8	Horiz
	Ave	23.1	+6.1	+8.4	+0.3	+0.0	10.0	52.2	R7_A1_MA510_B	110112
	1110		+0.0	+0.0	+0.0	+0.0			LE_H	
^	4959.750M	36.6	+0.0	+33.5	+0.4	-39.6	+0.0	45.7	54.0 -8.3	Horiz
	1,557.150141	20.0	+6.1	+8.4	+0.3	+0.0	10.0	13.7	R7_A1_MA510_B	110112
			+0.0	+0.0	+0.0	+0.0			LE_H	
			10.0	10.0	10.0	10.0			PD_11	



Test Location: CKC Laboratories, Inc. • 110 N. Olinda Place • Brea, CA 92823 • 714 993-6112

Customer: Walt Disney Parks and Resorts US, Inc.

Specification: 15.247(d) / 15.209 Radiated Spurious Emissions

Work Order #: 101978 Date: 12/20/2018
Test Type: Radiated Scan Time: 13:35:55
Tested By: S. Yamamoto Sequence#: 4

Software: EMITest 5.03.11

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 1			

Support Equipment:

Device	Manufacturer	Model #	S/N	
Configuration 1				

Test Conditions / Notes:

The EUT is placed on the Styrofoam block. ETHO is connected to remotely located support POE, Switch and laptop. ETH1 is connected to a section of UTP, USB ports are connected to section of USB cable, GPIO ports are terminated to simulated loads. RX port connects to a Dipole antenna. Micro USB Service port left unpopulated

Remote laptop runs test software to set the EUT into test mode.

Evaluation for Permissive Change II equipment authorization process with various antenna type and configurations. FCCID: 2AJS4-RN-R1G1

Radio port 7 and radio port 8 are connected to the antenna in accordance with available configuration.

Protocol:

BLE, 2402MHz, 2440MHz, 2480MHz DTS (proprietary): 2482MHz single channel

Ant1: PA2X2, 8dBi + 2 x 10ft Pasternack RG223/ U 2 with 6dB loss at 2440MHz

Ant2: MA510, 3.9dBi Ant3:MA673, 4.1 dBi

Ant4: HG2458, 13dBi + 2 x 10ft Pasternack RG223/ U 2 with 6dB loss at 2440MHz

Firmware power setting 0 dBm

Antenna under investigation: MA673

Frequency range of measurement = 9 kHz- 25 GHz.

9 kH -150 kHz;RBW=200 Hz,VBW=200 Hz;150 kHz-30 MHz;RBW=9 kHz,VBW=9 kHz;30 MHz-1000 MHz;RBW=120 kHz,VBW=120 kHz,1000 MHz-25000MHz MHz;RBW=1 MHz,VBW=1 MHz.

Test environment conditions:

Temperature: 18°C, Relative Humidity: 55%, Pressure: 99kPa

Test method in accordance with FCC document: 558074 558074 D01 15.247 Meas Guidance v05. Investigation in all orientation, worst case orientation presented.

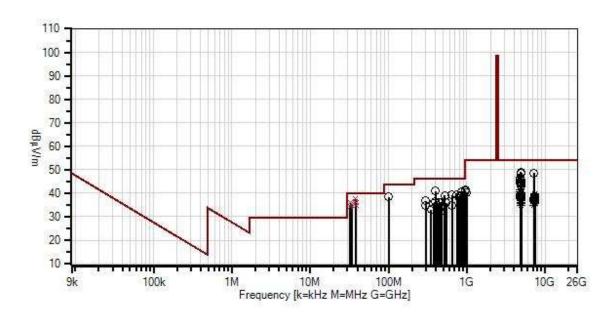
Site D

ANSI C63.10-2013

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Walt Disney Parks and Resorts US, Inc. WO#: 101978 Sequence#: 4 Date: 12/20/2018 15.247(d) / 15.209 Radiated Spurious Emissions Test Distance: 3 Meters Vert



Readings
 QP Readings

▼ Ambient

1 - 15.247(d) / 15.209 Radiated Spurious Emissions

O Peak Readings

 Average Readings Software Version: 5.03.11



Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
T1	AN02869	Spectrum Analyzer	E4440A	8/10/2018	8/10/2019
T2	ANP04382	Cable	LDF-50	6/2/2018	6/2/2020
T3	ANP07138	Cable	ANDL1-	3/1/2017	3/1/2019
			PNMNM-60		
T4	AN00787	Preamp	83017A	6/9/2017	6/9/2019
T5	ANP07247	Cable	32022-29094K-	7/5/2018	7/5/2020
			29094K-24TC		
T6	AN01646	Horn Antenna	3115	3/14/2018	3/14/2020
T7	AN03385	High Pass Filter	11SH10-	6/2/2017	6/2/2019
			3000/T10000-		
			0/0		
T8	AN01994	Biconilog Antenna	CBL6111C	4/23/2018	4/23/2020
Т9	ANP05283	Attenuator	ATT-0218-06-	4/5/2018	4/5/2020
			NNN-02		
T10	ANP01911	Cable-Amplitude	RG214/U	1/8/2018	1/8/2020
		+15C to +45C (dB)			
T11	AN00010	Preamp	8447D	2/19/2018	2/19/2020
T12	ANP06978	Cable	Sucoflex 104A	3/31/2018	3/31/2020
	AN00314	Loop Antenna	6502	5/13/2018	5/13/2020
	AN01413	Horn Antenna-ANSI	84125-80008	10/17/2018	10/17/2020
		C63.5 (dB/m)			
	AN03367	Horn Antenna-ANSI	62-GH-62-25.	8/24/2017	8/24/2019
		C63.5 Calibration			

Measur	ement Data:	Re	eading lis	ted by ma	argin.		Te	est Distanc	e: 3 Meters	1	
#	Freq	Rdng	T1	T2	Т3	T4	Dist	Corr	Spec	Margin	Polar
			T5	T6	T7	T8					
			T9	T10	T11	T12					
	MHz	dΒμV	dB	dB	dB	dB	Table	$dB\mu V/m$	$dB\mu V/m$	dB	Ant
1	38.065M	43.4	+0.0	+0.6	+0.0	+0.0	+0.0	37.5	40.0	-2.5	Vert
	QP		+0.0	+0.0	+0.0	+14.2			R7_A1_M	A673_B	
			+5.8	+0.6	-27.1	+0.0			LE_LMH,	R7_A1_	
									MA673_D	TS	
٨	38.065M	44.1	+0.0	+0.6	+0.0	+0.0	+0.0	38.2	40.0	-1.8	Vert
			+0.0	+0.0	+0.0	+14.2			R7_A1_M	A673_B	
			+5.8	+0.6	-27.1	+0.0			LE_LMH,	R7_A1_	
									MA673_D	TS	
3	37.808M	42.4	+0.0	+0.6	+0.0	+0.0	+0.0	36.6	40.0	-3.4	Vert
	QP		+0.0	+0.0	+0.0	+14.3			R7_A1_M	A673_B	
			+5.8	+0.6	-27.1	+0.0			LE_LMH,	R7_A1_	
									MA673_D	TS	
٨	37.808M	42.6	+0.0	+0.6	+0.0	+0.0	+0.0	36.8	40.0	-3.2	Vert
			+0.0	+0.0	+0.0	+14.3			R7_A1_M	A673_B	
			+5.8	+0.6	-27.1	+0.0			LE_LMH,	R7_A1_	
									MA673_D	TS	

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5 38.800M	42.5	+0.0	+0.6	+0.0	+0.0	+0.0	36.2	40.0 -3.8	Vert
QP		+0.0	+0.0	+0.0	+13.8			R7_A1_MA673_B	
		+5.8	+0.6	-27.1	+0.0			LE_LMH,R7_A1_	
								MA673_DTS	
^ 38.800M	42.9	+0.0	+0.6	+0.0	+0.0	+0.0	36.6	40.0 -3.4	Vert
		+0.0	+0.0	+0.0	+13.8			R7_A1_MA673_B	
		+5.8	+0.6	-27.1	+0.0			LE_LMH,R7_A1_	
								MA673_DTS	
7 33.052M	39.3	+0.0	+0.5	+0.0	+0.0	+0.0	35.9	40.0 -4.1	Vert
QP		+0.0	+0.0	+0.0	+16.9			R7_A1_MA673_B	
		+5.8	+0.5	-27.1	+0.0			LE_LMH,R7_A1_	
								MA673_DTS	
^ 33.052M	40.3	+0.0	+0.5	+0.0	+0.0	+0.0	36.9	40.0 -3.1	Vert
		+0.0	+0.0	+0.0	+16.9			R7_A1_MA673_B	
		+5.8	+0.5	-27.1	+0.0			LE_LMH,R7_A1_	
								MA673_DTS	
9 33.792M	39.2	+0.0	+0.5	+0.0	+0.0	+0.0	35.4	40.0 -4.6	Vert
QP		+0.0	+0.0	+0.0	+16.5			R7_A1_MA673_B	
		+5.8	+0.5	-27.1	+0.0			LE_LMH,R7_A1_	
								MA673_DTS	
10 33.792M	39.2	+0.0	+0.5	+0.0	+0.0	+0.0	35.4	40.0 -4.6	Vert
QP		+0.0	+0.0	+0.0	+16.5			R7_A1_MA673_B	
		+5.8	+0.5	-27.1	+0.0			LE_LMH,R7_A1_	
								MA673_DTS	
^ 33.792M	40.3	+0.0	+0.5	+0.0	+0.0	+0.0	36.5	40.0 -3.5	Vert
		+0.0	+0.0	+0.0	+16.5			R7_A1_MA673_B	
		+5.8	+0.5	-27.1	+0.0			LE_LMH,R7_A1_	
								MA673_DTS	
12 949.977M	31.8	+0.0	+3.4	+0.0	+0.0	+0.0	41.3	46.0 -4.7	Horiz
		+0.0	+0.0	+0.0	+24.0			R7_A1_MA673_B	
		+5.9	+3.3	-27.4	+0.3			LE_LMH,R7_A1_	
								MA673_DTS	
13 4879.610M	40.5	+0.0	+8.2	+6.1	-39.7	+0.0	49.0	54.0 -5.0	Vert
		+0.4	+33.2	+0.3	+0.0			R8_A3_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
14 100.001M	47.6	+0.0	+1.0	+0.0	+0.0	+0.0	38.5	43.5 -5.0	Vert
		+0.0	+0.0	+0.0	+10.1			R7_A1_MA673_B	
		+5.8	+0.9	-27.0	+0.1			LE_LMH,R7_A1_	
								MA673_DTS	
15 400.003M	42.1	+0.0	+2.1	+0.0	+0.0	+0.0	40.9	46.0 -5.1	Horiz
		+0.0	+0.0	+0.0	+16.0			R7_A1_MA673_B	
		+5.8	+2.0	-27.3	+0.2			LE_LMH,R7_A1_	
								MA673_DTS	
16 4963.630M	39.7	+0.0	+8.4	+6.1	-39.6	+0.0	48.8	54.0 -5.2	Vert
		+0.4	+33.5	+0.3	+0.0			R8_A3_MA673_D	
		+0.0	+0.0	+0.0	+0.0			TS	
17 950.015M	31.3	+0.0	+3.4	+0.0	+0.0	+0.0	40.8	46.0 -5.2	Vert
		+0.0	+0.0	+0.0	+24.0			R7_A1_MA673_B	
		+5.9	+3.3	-27.4	+0.3			LE_LMH,R7_A1_	
								MA673_DTS	
-									



18 38.554M	41.0	+0.0	+0.6	+0.0	+0.0	+0.0	34.8	40.0 -5.2	Vert
QP		+0.0	+0.0	+0.0	+13.9			R7_A1_MA673_B	
		+5.8	+0.6	-27.1	+0.0			LE_LMH,R7_A1_	
								MA673_DTS	
^ 38.554M	41.8	+0.0	+0.6	+0.0	+0.0	+0.0	35.6	40.0 -4.4	Vert
		+0.0	+0.0	+0.0	+13.9			R7_A1_MA673_B	
		+5.8	+0.6	-27.1	+0.0			LE_LMH,R7_A1_	
								MA673_DTS	
20 34.084M	38.7	+0.0	+0.5	+0.0	+0.0	+0.0	34.8	40.0 -5.2	Vert
QP		+0.0	+0.0	+0.0	+16.4			R7_A1_MA673_B	
		+5.8	+0.5	-27.1	+0.0			LE_LMH,R7_A1_	
								MA673_DTS	
^ 34.084M	41.8	+0.0	+0.5	+0.0	+0.0	+0.0	37.9	40.0 -2.1	Vert
		+0.0	+0.0	+0.0	+16.4			R7_A1_MA673_B	
		+5.8	+0.5	-27.1	+0.0			LE_LMH,R7_A1_	
								MA673_DTS	
22 850.012M	32.9	+0.0	+3.2	+0.0	+0.0	+0.0	40.7	46.0 -5.3	Vert
		+0.0	+0.0	+0.0	+23.0			R7_A1_MA673_B	
		+5.9	+3.0	-27.6	+0.3			LE_LMH,R7_A1_	
								MA673_DTS	
23 7205.674M	33.9	+0.0	+10.7	+7.5	-39.6	+0.0	48.6	54.0 -5.4	Vert
		+0.1	+35.8	+0.2	+0.0			R7_A3_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_L	
24 32.296M	37.4	+0.0	+0.5	+0.0	+0.0	+0.0	34.4	40.0 -5.6	Vert
QP		+0.0	+0.0	+0.0	+17.3			R7_A1_MA673_B	
		+5.8	+0.5	-27.1	+0.0			LE_LMH,R7_A1_	
								MA673_DTS	
^ 32.296M	38.0	+0.0	+0.5	+0.0	+0.0	+0.0	35.0	40.0 -5.0	Vert
		+0.0	+0.0	+0.0	+17.3			R7_A1_MA673_B	
		+5.8	+0.5	-27.1	+0.0			LE_LMH,R7_A1_	
								MA673_DTS	
26 4963.948M	39.2	+0.0	+8.4	+6.1	-39.6	+0.0	48.3	54.0 -5.7	Horiz
		+0.4	+33.5	+0.3	+0.0			R8_A3_MA673_D	
		+0.0	+0.0	+0.0	+0.0			TS	
27 750.004M	33.8	+0.0	+2.9	+0.0	+0.0	+0.0	39.5	46.0 -6.5	Vert
		+0.0	+0.0	+0.0	+21.6			R7_A1_MA673_B	
		+5.9	+2.8	-27.8	+0.3			LE_LMH,R7_A1_	
20 - 170 - 1 - 1								MA673_DTS	** :
28 650.000M	35.4	+0.0	+2.7	+0.0	+0.0	+0.0	39.3	46.0 -6.7	Horiz
		+0.0	+0.0	+0.0	+20.5			R7_A1_MA673_B	
		+5.8	+2.6	-28.0	+0.3			LE_LMH,R7_A1_	
20 550 00435	22.5	0.0	2.0			0.0	20.0	MA673_DTS	** '
29 750.001M	33.6	+0.0	+2.9	+0.0	+0.0	+0.0	39.3	46.0 -6.7	Horiz
		+0.0	+0.0	+0.0	+21.6			R7_A1_MA673_B	
		+5.9	+2.8	-27.8	+0.3			LE_LMH,R7_A1_	
20 727 2217 -	25.5					0.0	2001	MA673_DTS	**
30 525.001M	37.7	+0.0	+2.5	+0.0	+0.0	+0.0	39.1	46.0 -6.9	Vert
		+0.0	+0.0	+0.0	+18.6			R7_A1_MA673_B	
		+5.8	+2.3	-28.0	+0.2			LE_LMH,R7_A1_	
								MA673_DTS	

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31 849.998M 31.3 +0.0							
	+3.2	+0.0	+0.0	+0.0	39.1	46.0 -6.9	Horiz
+0.0	+0.0	+0.0	+23.0			R7_A1_MA673_B	
+5.9	+3.0	-27.6	+0.3			LE_LMH,R7_A1_	
						MA673_DTS	
32 900.025M 30.7 +0.0	+3.2	+0.0	+0.0	+0.0	39.1	46.0 -6.9	Vert
+0.0	+0.0	+0.0	+23.4			R7_A1_MA673_B	
+5.9	+3.1	-27.5	+0.3			LE_LMH,R7_A1_	
						MA673_DTS	
33 900.017M 30.4 +0.0	+3.2	+0.0	+0.0	+0.0	38.8	46.0 -7.2	Horiz
+0.0	+0.0	+0.0	+23.4			R7_A1_MA673_B	
+5.9	+3.1	-27.5	+0.3			LE_LMH,R7_A1_	
						MA673_DTS	
34 799.991M 31.8 +0.0	+3.0	+0.0	+0.0	+0.0	38.7	46.0 -7.3	Horiz
+0.0	+0.0	+0.0	+22.5			R7_A1_MA673_B	
+5.9	+2.9	-27.7	+0.3			LE_LMH,R7_A1_	
						MA673_DTS	
35 4804.415M 38.3 +0.0	+8.0	+6.1	-39.8	+0.0	46.5	54.0 -7.5	Vert
+0.4	+33.2	+0.3	+0.0			R7_A2_MA673_B	
+0.0	+0.0	+0.0	+0.0			LE_L	
36 4804.108M 37.6 +0.0	+8.0	+6.1	-39.8	+0.0	45.8	54.0 -8.2	Vert
+0.4	+33.2	+0.3	+0.0			R7_A1_R8_A2_M	
+0.0	+0.0	+0.0	+0.0			A673_BLE_L_L2	
37 4952.691M 36.5 +0.0	+8.4	+6.1	-39.6	+0.0	45.6	54.0 -8.4	Horiz
+0.4	+33.5	+0.3	+0.0			R7_A1_R8_A2_M	
+0.0	+0.0	+0.0	+0.0			A673_BLE_H2_DT	
						S	
38 4960.400M 36.5 +0.0	+8.4	+6.1	-39.6	+0.0	45.6	54.0 -8.4	Vert
+0.4	+33.5	+0.3	+0.0			R7_A2_MA673_B	
+0.0	+0.0	+0.0	+0.0			LE_H	
39 800.018M 30.7 +0.0	+3.0	+0.0	+0.0	+0.0	37.6	46.0 -8.4	Vert
+0.0	+0.0	+0.0	+22.5			R7_A1_MA673_B	
+5.9	+2.9	-27.7	+0.3			LE_LMH,R7_A1_	
						MA673_DTS	
40 4951.470M 35.8 +0.0	+8.4	+6.1	-39.6	+0.0	44.9	54.0 -9.1	Vert
+0.4	+33.5	+0.3	+0.0			R7_A1_R8_A2_M	
+0.0	+0.0	+0.0	+0.0			A673_BLE_H2_DT	
						S	
41 300.004M 40.5 +0.0	+1.8	+0.0	+0.0	+0.0	36.8	46.0 -9.2	Horiz
+0.0	+0.0	+0.0	+13.4			R7_A1_MA673_B	
+5.8	+1.6	-26.5	+0.2			LE_LMH,R7_A1_	
10.1000.0101					=	MA673_DTS	
42 4803.912M 36.5 +0.0	+8.0	+6.1	-39.8	+0.0	44.7	54.0 -9.3	Horiz
+0.4	+33.2	+0.3	+0.0			R7_A3_MA673_B	
+0.0	+0.0	+0.0	+0.0	0.0		LE_L	**
43 4804.782M 36.5 +0.0	+8.0	+6.1	-39.8	+0.0	44.7	54.0 -9.3	Vert
+0.4	+33.2	+0.3	+0.0			R7_A3_MA673_B	
+0.0	+0.0	+0.0	+0.0			LE_L	• •
44 399.991M 37.6 +0.0	+2.1	+0.0	+0.0	+0.0	36.4	46.0 -9.6	Vert
+0.0	+0.0	+0.0	+16.0			R7_A1_MA673_B	
+5.8	+2.0	-27.3	+0.2			LE_LMH,R7_A1_ MA673_DTS	



15	4880.275M	35.8	+0.0	+8.2	+6.1	-39.7	+0.0	44.3	54.0 -9.7	Horiz
43	4000.275W	33.0	+0.4	+33.2	+0.1	+0.0	+0.0	44.3	R7_A2_MA673_B	110112
			+0.0	+0.0	+0.0	+0.0			LE_M	
16	4804.100M	36.0	+0.0	+8.0	+6.1	-39.8	+0.0	44.2	54.0 -9.8	Horiz
70	4004.100IVI	30.0	+0.4	+33.2	+0.3	+0.0	10.0	77.2	R7_A1_R8_A2_M	HOHZ
			+0.0	+0.0	+0.0	+0.0			A673_BLE_L_L2	
17	4964.223M	35.1	+0.0	+8.4	+6.1	-39.6	+0.0	44.2	54.0 -9.8	Vert
47	4904.223W	33.1	+0.4	+33.5	+0.1	+0.0	+0.0	44.2	R7_A2_MA673_D	VCIT
			+0.0	+0.0	+0.0	+0.0			TS	
18	4962.921M	35.1	+0.0	+8.4	+6.1	-39.6	+0.0	44.2	54.0 -9.8	Horiz
70	4702.721W	33.1	+0.4	+33.5	+0.3	+0.0	10.0	77.2	R7_A3_MA673_D	HOHZ
			+0.0	+0.0	+0.0	+0.0			TS	
49	4963.655M	35.0	+0.0	+8.4	+6.1	-39.6	+0.0	44.1	54.0 -9.9	Horiz
7/	+703.033IVI	33.0	+0.4	+33.5	+0.3	+0.0	10.0	77.1	R7_A2_MA673_D	HOHZ
			+0.0	+0.0	+0.0	+0.0			TS	
50	475.002M	35.9	+0.0	+2.3	+0.0	+0.0	+0.0	36.1	46.0 -9.9	Vert
30	175.002111	33.7	+0.0	+0.0	+0.0	+17.5	10.0	30.1	R7_A1_MA673_B	V 011
			+5.8	+2.2	-27.8	+0.2			LE_LMH,R7_A1_	
					27.0	. 0.2			MA673_DTS	
51	450.009M	36.2	+0.0	+2.2	+0.0	+0.0	+0.0	36.0	46.0 -10.0	Vert
	150.005111	30.2	+0.0	+0.0	+0.0	+17.1	10.0	30.0	R7_A1_MA673_B	, 010
			+5.8	+2.1	-27.6	+0.2			LE_LMH,R7_A1_	
					27.0	. 0.2			MA673_DTS	
52	550.011M	33.9	+0.0	+2.5	+0.0	+0.0	+0.0	36.0	46.0 -10.0	Horiz
02	000011111	22.5	+0.0	+0.0	+0.0	+19.2	. 0.0	20.0	R7_A1_MA673_B	110112
			+5.8	+2.4	-28.0	+0.2			LE_LMH,R7_A1_	
									MA673_DTS	
53	375.008M	37.6	+0.0	+2.0	+0.0	+0.0	+0.0	35.8	46.0 -10.2	Vert
			+0.0	+0.0	+0.0	+15.4			R7_A1_MA673_B	
			+5.8	+1.9	-27.1	+0.2			LE_LMH,R7_A1_	
									MA673_DTS	
54	4962.939M	34.1	+0.0	+8.4	+6.1	-39.6	+0.0	43.2	54.0 -10.8	Vert
			+0.4	+33.5	+0.3	+0.0			R7_A3_MA673_D	
			+0.0	+0.0	+0.0	+0.0			TS	
55	4880.723M	34.5	+0.0	+8.2	+6.1	-39.7	+0.0	43.0	54.0 -11.0	Horiz
			+0.4	+33.2	+0.3	+0.0			R7_A3_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_M	
56	299.999M	38.4	+0.0	+1.8	+0.0	+0.0	+0.0	34.7	46.0 -11.3	Vert
			+0.0	+0.0	+0.0	+13.4			R7_A1_MA673_B	
			+5.8	+1.6	-26.5	+0.2			LE_LMH,R7_A1_	
									MA673_DTS	
57	650.003M	30.7	+0.0	+2.7	+0.0	+0.0	+0.0	34.6	46.0 -11.4	Vert
			+0.0	+0.0	+0.0	+20.5			R7_A1_MA673_B	
			+5.8	+2.6	-28.0	+0.3			LE_LMH,R7_A1_	
									MA673_DTS	
58	424.990M	35.3	+0.0	+2.2	+0.0	+0.0	+0.0	34.6	46.0 -11.4	Vert
			+0.0	+0.0	+0.0	+16.5			R7_A1_MA673_B	
			+5.8	+2.1	-27.5	+0.2			LE_LMH,R7_A1_	
									MA673_DTS	
	· · · · · · · · · · · · · · · · · · ·									



59	4804.553M	33.1	+0.0	+8.0	+6.1	-39.8	+0.0	41.3	54.0 -12.7	Vert
	Ave		+0.4	+33.2	+0.3	+0.0			R8_A2_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
^	4804.553M	45.6	+0.0	+8.0	+6.1	-39.8	+0.0	53.8	54.0 -0.2	Vert
			+0.4	+33.2	+0.3	+0.0			R8_A2_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
61	350.002M	35.2	+0.0	+1.9	+0.0	+0.0	+0.0	32.9	46.0 -13.1	Horiz
			+0.0	+0.0	+0.0	+14.8			R7_A1_MA673_B	
			+5.8	+1.8	-26.8	+0.2			LE_LMH,R7_A1_	
									MA673_DTS	
62	450.011M	33.1	+0.0	+2.2	+0.0	+0.0	+0.0	32.9	46.0 -13.1	Horiz
			+0.0	+0.0	+0.0	+17.1			R7_A1_MA673_B	
			+5.8	+2.1	-27.6	+0.2			LE_LMH,R7_A1_	
	1001 7 (5) 1	22.7	0.0	0.0		20.0	0.0	40.5	MA673_DTS	** .
63	4804.567M	32.5	+0.0	+8.0	+6.1	-39.8	+0.0	40.7	54.0 -13.3	Horiz
	Ave		+0.4	+33.2	+0.3	+0.0			R8_A2_MA673_B	
	000 0001 5	20.0	+0.0	+0.0	+0.0	+0.0		40.2	LE_L	**
64	999.998M	30.0	+0.0	+3.5	+0.0	+0.0	+0.0	40.3	54.0 -13.7	Vert
			+0.0	+0.0	+0.0	+24.5			R7_A1_MA673_B	
			+5.9	+3.4	-27.3	+0.3			LE_LMH,R7_A1_	
	4050 02514	21.7	0.0	0.2	<i>-</i> 1	20.7	0.0	40.0	MA673_DTS	TT .
65	4879.837M	31.7	+0.0	+8.2	+6.1	-39.7	+0.0	40.2	54.0 -13.8	Horiz
	Ave		+0.4	+33.2	+0.3	+0.0			R7_A1_R8_A2_M	
<u> </u>	4050 0253 (44.1	+0.0	+0.0	+0.0	+0.0	0.0	50.6	A673_BLE_M_M	TT .
	4879.837M	44.1	+0.0	+8.2	+6.1	-39.7	+0.0	52.6	54.0 -1.4	Horiz
			+0.4	+33.2	+0.3	+0.0			R7_A1_R8_A2_M	
	4070 00714	20.0	+0.0	+0.0	+0.0	+0.0	. 0. 0	47.4	A673_BLE_M_M	TT .
	4879.887M	38.9	+0.0	+8.2	+6.1	-39.7	+0.0	47.4	54.0 -6.6	Horiz
			+0.4	+33.2	+0.3	+0.0			R7_A1_MA673_B	
	474.00014	21.0	+0.0	+0.0	+0.0	+0.0	. 0. 0	20.1	LE_M	TT
68	474.998M	31.9	+0.0	+2.3	+0.0	+0.0	+0.0	32.1	46.0 -13.9	Horiz
			+0.0	+0.0	+0.0	+17.5			R7_A1_MA673_B	
			+5.8	+2.2	-27.8	+0.2			LE_LMH,R7_A1_	
60	7440 600M	24.0	+0.0	.11.1	.77	20.7	+ O O	20.0	MA673_DTS	Homin
09	7440.690M	24.0	+0.0 +0.2	+11.1 +36.4	+7.7 +0.2	-39.7 +0.0	+0.0	39.9	54.0 -14.1 R8_A3_MA673_B	Horiz
	Ave		+0.2 +0.0	+30.4	+0.2 $+0.0$	+0.0			LE_H	
_	7440 60014	27 /					+0.0	52.2	54.0 -0.7	Цота
	7440.690M	37.4	+0.0 +0.2	+11.1 +36.4	+7.7 +0.2	-39.7 +0.0	+0.0	53.3	R8_A3_MA673_B	Horiz
			+0.2 $+0.0$	+30.4	+0.2 $+0.0$	+0.0 +0.0			LE_H	
71	7319.279M	24.7	+0.0	+10.8	+7.6	-39.8	+0.0	39.8	54.0 -14.2	Vert
'1	7319.279M Ave	∠ 4. /	+0.0	+10.8	+0.2	-39.8 +0.0	+0.0	37.0	R7_A1_R8_A2_M	v ert
	1110		+0.1	+0.0	+0.2	+0.0			A673_BLE_M_M	
	7319.279M	38.6	+0.0	+10.8	+7.6	-39.8	+0.0	53.7	54.0 -0.3	Vert
	1317.417111	50.0	+0.0	+36.2	+0.2	+0.0	±0.0	55.1	R7_A1_R8_A2_M	v ert
			+0.1	+0.0	+0.2	+0.0			A673_BLE_M_M	
73	7445.209M	23.8	+0.0	+11.1	+7.7	-39.7	+0.0	39.7	54.0 -14.3	Horiz
'3	Ave	23.0	+0.0	+36.4	+0.2	+0.0	10.0	33.1	R8_A3_MA673_D	TIOHE
	1110		+0.2	+0.0	+0.2	+0.0			TS	
	7445.209M	38.0	+0.0	+11.1	+7.7	-39.7	+0.0	53.9	54.0 -0.1	Horiz
	/ ++ J.2U7IVI	30.0	+0.0	+11.1	+0.2	+0.0	±0.0	55.7	R8_A3_MA673_D	110112
			+0.2	+30.4	+0.2	+0.0			TS	
1			±0.0	±0.0	±0.0	±0.0			10	

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75 4880.314M 31.2 +0.0 +8.2 +6.1 -39.7 +0.0 39.7 54.0 -14 Ave +0.4 +33.2 +0.3 +0.0 R8_A2_MA673 +0.0 +0.0 +0.0 +0.0 LE_M ^ 4880.314M 43.6 +0.0 +8.2 +6.1 -39.7 +0.0 52.1 54.0 -14 +0.4 +33.2 +0.3 +0.0 R8_A2_MA673	
+0.0 +0.0 +0.0 +0.0 LE_M ^ 4880.314M 43.6 +0.0 +8.2 +6.1 -39.7 +0.0 52.1 54.0 -1	'R
^ 4880.314M	
	0 17
	-R
+0.0 +0.0 +0.0 +0.0 LE_M	7
	.7 Vert
+0.4 +33.2 +0.3 +0.0 R7_A1_MA673	-B
+0.0 +0.0 +0.0 +0.0 LE_M	4 11 :
78 4811.500M 31.4 +0.0 +8.0 +6.1 -39.8 +0.0 39.6 54.0 -1	
Ave +0.4 +33.2 +0.3 +0.0 R7_A1_R8_A2_	
+0.0 +0.0 +0.0 +0.0 A673_BLE_L_I	
	.5 Horiz
+0.4 +33.2 +0.3 +0.0 R7_A1_R8_A2_	
+0.0 +0.0 +0.0 +0.0 A673_BLE_L_I	
80 4803.547M 31.2 +0.0 +8.0 +6.1 -39.8 +0.0 39.4 54.0 -14	
Ave +0.4 +33.2 +0.3 +0.0 R8_A1_MA673	B.
+0.0 +0.0 +0.0 +0.0 LE_L	0 17
	.8 Vert
+0.4 +33.2 +0.3 +0.0 R8_A1_MA673	B.
+0.0 +0.0 +0.0 +0.0 LE_L	- ···
82 7440.898M 23.4 +0.0 +11.1 +7.7 -39.7 +0.0 39.3 54.0 -1	
Ave +0.2 +36.4 +0.2 +0.0 R7_A3_MA673	_B
+0.0 +0.0 +0.0 +0.0 LE_H	
83 4952.440M 30.1 +0.0 +8.4 +6.1 -39.6 +0.0 39.2 54.0 -1	
Ave +0.4 +33.5 +0.3 +0.0 R7_A1_R8_A2_	
+0.0 +0.0 +0.0 +0.0 A673_BLE_H_I	
	.5 Horiz
+0.4 +33.5 +0.3 +0.0 R7_A1_R8_A2_	
+0.0 +0.0 +0.0 +0.0 A673_BLE_H_1	
85 7445.948M 23.1 +0.0 +11.1 +7.7 -39.7 +0.0 39.0 54.0 -13	
Ave +0.2 +36.4 +0.2 +0.0 R7_A3_MA673	ַט
+0.0 +0.0 +0.0 TS	
	.6 Horiz
+0.2 +36.4 +0.2 +0.0 R7_A3_MA673	_D
+0.0 +0.0 +0.0 +0.0 TS	1 77 1
87 4804.556M 30.7 +0.0 +8.0 +6.1 -39.8 +0.0 38.9 54.0 -1	
Ave +0.4 +33.2 +0.3 +0.0 R8_A1_MA673	_B
+0.0 +0.0 +0.0 +0.0 LE_L	
	.3 Horiz
+0.4 +33.2 +0.3 +0.0 R8_A2_MA673	_B
+0.0 +0.0 +0.0 +0.0 LE_L	1 77 1
89 4879.540M 30.4 +0.0 +8.2 +6.1 -39.7 +0.0 38.9 54.0 -1	
Ave +0.4 +33.2 +0.3 +0.0 R8_A2_MA673	_B
+0.0 +0.0 +0.0 +0.0 LE_M	
90 7446.680M 22.8 +0.0 +11.1 +7.7 -39.7 +0.0 38.7 54.0 -1	
Ave +0.2 +36.4 +0.2 +0.0 R8_A2_MA673	ַט
+0.0 +0.0 +0.0 TS	
	.4 Horiz
+0.2 +36.4 +0.2 +0.0 R8_A2_MA673	ַט
+0.0 +0.0 +0.0 TS	



92 4951.743M	29.5	+0.0	+8.4	+6.1	-39.6	+0.0	38.6	54.0 -15.4	Vert
Ave		+0.4	+33.5	+0.3	+0.0			R7_A1_R8_A2_M	
		+0.0	+0.0	+0.0	+0.0			A673_BLE_H_H2	
^ 4951.743M	42.0	+0.0	+8.4	+6.1	-39.6	+0.0	51.1	54.0 -2.9	Vert
		+0.4	+33.5	+0.3	+0.0			R7_A1_R8_A2_M	
		+0.0	+0.0	+0.0	+0.0			A673_BLE_H_H2	
94 4811.501M	30.4	+0.0	+8.0	+6.1	-39.8	+0.0	38.6	54.0 -15.4	Vert
Ave		+0.4	+33.2	+0.3	+0.0			R7_A1_R8_A2_M	
		+0.0	+0.0	+0.0	+0.0			A673_BLE_L_L2	
^ 4811.501M	43.4	+0.0	+8.0	+6.1	-39.8	+0.0	51.6	54.0 -2.4	Vert
		+0.4	+33.2	+0.3	+0.0			R7_A1_R8_A2_M	
		+0.0	+0.0	+0.0	+0.0			A673_BLE_L_L2	
96 4804.458M	30.4	+0.0	+8.0	+6.1	-39.8	+0.0	38.6	54.0 -15.4	Horiz
Ave		+0.4	+33.2	+0.3	+0.0			R8_A3_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_L	
^ 4804.556M	43.8	+0.0	+8.0	+6.1	-39.8	+0.0	52.0	54.0 -2.0	Horiz
		+0.4	+33.2	+0.3	+0.0			R8_A1_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_L	
^ 4804.458M	42.9	+0.0	+8.0	+6.1	-39.8	+0.0	51.1	54.0 -2.9	Horiz
		+0.4	+33.2	+0.3	+0.0			R8_A3_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_L	
99 4880.487M	30.0	+0.0	+8.2	+6.1	-39.7	+0.0	38.5	54.0 -15.5	Vert
Ave		+0.4	+33.2	+0.3	+0.0			R7_A1_R8_A2_M	
		+0.0	+0.0	+0.0	+0.0			A673_BLE_M_M	
^ 4880.487M	42.6	+0.0	+8.2	+6.1	-39.7	+0.0	51.1	54.0 -2.9	Vert
		+0.4	+33.2	+0.3	+0.0			R7_A1_R8_A2_M	
		+0.0	+0.0	+0.0	+0.0			A673_BLE_M_M	
^ 4880.542M	35.6	+0.0	+8.2	+6.1	-39.7	+0.0	44.1	54.0 -9.9	Vert
		+0.4	+33.2	+0.3	+0.0			R7_A3_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
102 7319.420M	23.2	+0.0	+10.8	+7.6	-39.8	+0.0	38.3	54.0 -15.7	Horiz
Ave		+0.1	+36.2	+0.2	+0.0			R8_A2_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
103 4879.837M	29.7	+0.0	+8.2	+6.1	-39.7	+0.0	38.2	54.0 -15.8	Vert
Ave		+0.4	+33.2	+0.3	+0.0			R8_A1_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
^ 4879.837M	41.6	+0.0	+8.2	+6.1	-39.7	+0.0	50.1	54.0 -3.9	Vert
			+33.2					R8_A1_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
^ 4879.792M	36.5	+0.0	+8.2	+6.1	-39.7	+0.0	45.0	54.0 -9.0	Vert
		+0.4	+33.2	+0.3	+0.0			R7_A2_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
106 7320.802M	23.1	+0.0	+10.8	+7.6	-39.8	+0.0	38.2	54.0 -15.8	Vert
Ave		+0.1	+36.2	+0.2	+0.0			R8_A2_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
107 7445.288M	22.2	+0.0	+11.1	+7.7	-39.7	+0.0	38.1	54.0 -15.9	Vert
Ave		+0.2	+36.4	+0.2	+0.0			R8_A3_MA673_D	
		+0.0	+0.0	+0.0	+0.0			TS	

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108 480	3.703M	29.9	+0.0	+8.0	+6.1	-39.8	+0.0	38.1	54.0 -15.9	Vert
Ave			+0.4	+33.2	+0.3	+0.0			R8_A3_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
^ 480	3.703M	42.8	+0.0	+8.0	+6.1	-39.8	+0.0	51.0	54.0 -3.0	Vert
			+0.4	+33.2	+0.3	+0.0			R8_A3_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
^ 480	3.750M	39.3	+0.0	+8.0	+6.1	-39.8	+0.0	47.5	54.0 -6.5	Vert
			+0.4	+33.2	+0.3	+0.0			R7_A1_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
111 744	6.780M	22.2	+0.0	+11.1	+7.7	-39.7	+0.0	38.1	54.0 -15.9	Vert
Ave			+0.2	+36.4	+0.2	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A673_BLE_H2_DT	
									S	
112 742	7.467M	22.1	+0.0	+11.1	+7.7	-39.7	+0.0	38.0	54.0 -16.0	Horiz
Ave			+0.2	+36.4	+0.2	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A673_BLE_H_H2	
^ 742	7.467M	36.0	+0.0	+11.1	+7.7	-39.7	+0.0	51.9	54.0 -2.1	Horiz
			+0.2	+36.4	+0.2	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A673_BLE_H_H2	
114 744	5.316M	22.0	+0.0	+11.1	+7.7	-39.7	+0.0	37.9	54.0 -16.1	Vert
Ave			+0.2	+36.4	+0.2	+0.0			R8_A2_MA673_D	
			+0.0	+0.0	+0.0	+0.0			TS	
^ 744	5.288M	35.6	+0.0	+11.1	+7.7	-39.7	+0.0	51.5	54.0 -2.5	Vert
			+0.2	+36.4	+0.2	+0.0			R8_A3_MA673_D	
			+0.0	+0.0	+0.0	+0.0			TS	
^ 744	5.316M	35.3	+0.0	+11.1	+7.7	-39.7	+0.0	51.2	54.0 -2.8	Vert
			+0.2	+36.4	+0.2	+0.0			R8_A2_MA673_D	
			+0.0	+0.0	+0.0	+0.0			TS	
117 495	9.888M	28.8	+0.0	+8.4	+6.1	-39.6	+0.0	37.9	54.0 -16.1	Vert
Ave			+0.4	+33.5	+0.3	+0.0			R8_A1_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
^ 495	9.888M	40.7	+0.0	+8.4	+6.1	-39.6	+0.0	49.8	54.0 -4.2	Vert
			+0.4	+33.5	+0.3	+0.0			R8_A1_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
119 732	0.810M	22.8	+0.0	+10.8	+7.6	-39.8	+0.0	37.9	54.0 -16.1	Vert
Ave			+0.1	+36.2	+0.2	+0.0			R8_A1_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_M	
120 744	6.807M	22.0	+0.0	+11.1	+7.7	-39.7	+0.0	37.9	54.0 -16.1	Vert
Ave			+0.2	+36.4	+0.2	+0.0			R7_A1_MA673_D	
			+0.0	+0.0	+0.0	+0.0			TS	

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121 7446.849M	22.0	+0.0	+11.1	+7.7	-39.7	+0.0	37.9	54.0 -16.1	Vert
Ave	22.0	+0.2	+36.4	+0.2	+0.0	10.0	37.5	R7_A2_MA673_D	, 010
7100			+0.0	+0.0	+0.0			TS	
^ 7446.807M	35.5	+0.0	+11.1	+7.7	-39.7	+0.0	51.4		Vert
,	55.5	+0.2	+36.4	+0.2	+0.0	. 0.0	011.	R7_A1_MA673_D	, 010
			+0.0		+0.0			TS	
^ 7446.780M	35.2	+0.0	+11.1	+7.7	-39.7	+0.0	51.1	54.0 -2.9	Vert
		+0.2	+36.4	+0.2	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0			A673_BLE_H2_DT	
								S	
^ 7446.849M	34.4	+0.0		+7.7	-39.7	+0.0	50.3	54.0 -3.7	Vert
		+0.2	+36.4	+0.2	+0.0			R7_A2_MA673_D	
			+0.0		+0.0			TS	
125 7321.027M	22.8	+0.0	+10.8	+7.6	-39.8	+0.0	37.9		Horiz
Ave		+0.1	+36.2	+0.2	+0.0			R8_A3_MA673_B	
			+0.0		+0.0			LE_M	
^ 7321.027M	37.9	+0.0	+10.8	+7.6	-39.8	+0.0	53.0		Horiz
		+0.1	+36.2	+0.2	+0.0			R8_A3_MA673_B	
			+0.0	+0.0	+0.0			LE_M	
127 7319.500M	22.8	+0.0	+10.8	+7.6	-39.8	+0.0	37.9		Horiz
Ave		+0.1	+36.2	+0.2	+0.0			R7_A2_MA673_B	
			+0.0	+0.0	+0.0			LE_M	
^ 7319.500M	36.9	+0.0	+10.8	+7.6	-39.8	+0.0	52.0		Horiz
		+0.1	+36.2	+0.2	+0.0			R7_A2_MA673_B	
			+0.0	+0.0	+0.0			LE_M	
129 7320.917M	22.8	+0.0	+10.8	+7.6	-39.8	+0.0	37.9		Horiz
Ave		+0.1	+36.2	+0.2	+0.0			R7_A1_R8_A2_M	
. 5220 0453 (20.4		+0.0		+0.0	0.0		A673_BLE_M_M	** '
^ 7320.917M	38.4	+0.0	+10.8	+7.6	-39.8	+0.0	53.5		Horiz
		+0.1	+36.2	+0.2	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0			A673_BLE_M_M	
131 7206.845M	23.2	+0.0	+10.7	+7.5	-39.6	+0.0	37.9		Horiz
Ave		+0.1	+35.8	+0.2	+0.0			R8_A3_MA673_B	
100 7445 2007 5	21.0		+0.0		+0.0	0.0	27.0	LE_L	** .
132 7445.399M	21.9	+0.0		+7.7	-39.7	+0.0	37.8		Horiz
Ave		+0.2	+36.4		+0.0			R7_A1_MA673_D	
A 7445 200N5	25.0		+0.0		+0.0		510		II.
^ 7445.399M	35.9				-39.7	+0.0	51.8	54.0 -2.2	Horiz
		+0.2	+36.4	$+0.2 \\ +0.0$	+0.0			R7_A1_MA673_D	
124 4064 57014	20.7	+0.0	+0.0		+0.0	+0.0	27.0	TS 16.2	Homiss
134 4964.570M	28.7	+0.0	+8.4	+6.1	-39.6	+0.0	37.8	54.0 -16.2	Horiz
Ave		+0.4 +0.0	+33.5	$+0.3 \\ +0.0$	+0.0			R8_A1_MA673_D	
A 4064 570M	/1 O	+0.0	+0.0		+0.0	+0.0	50.9	TS 54.0 -3.1	Цота
^ 4964.570M	41.8	$+0.0 \\ +0.4$	+8.4 +33.5	+6.1 +0.3	-39.6 +0.0	+0.0	30.9	54.0 -3.1 R8_A1_MA673_D	Horiz
		+0.4 +0.0							
		+∪.∪	+0.0	+0.0	+0.0			TS	



136	4964.417M	28.7	+0.0	+8.4	+6.1	-39.6	+0.0	37.8	54.0 -16.2	Horiz
l l	Ave	2017	+0.4	+33.5	+0.3	+0.0	. 0.0	0,10	R7_A1_R8_A2_M	110112
	11,0		+0.0	+0.0	+0.0	+0.0			A673_BLE_H2_DT	
			. 0.0	. 0.0	. 0.0	. 0.0			S	
^	4964.417M	41.4	+0.0	+8.4	+6.1	-39.6	+0.0	50.5	54.0 -3.5	Horiz
			+0.4	+33.5	+0.3	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A673_BLE_H2_DT	
									S	
138	7428.370M	21.9	+0.0	+11.1	+7.7	-39.7	+0.0	37.8	54.0 -16.2	Vert
	Ave		+0.2	+36.4	+0.2	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A673_BLE_H_H2	
^	7428.370M	36.5	+0.0	+11.1	+7.7	-39.7	+0.0	52.4	54.0 -1.6	Vert
			+0.2	+36.4	+0.2	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A673_BLE_H_H2	
140	4879.547M	29.3	+0.0	+8.2	+6.1	-39.7	+0.0	37.8	54.0 -16.2	Horiz
	Ave		+0.4	+33.2	+0.3	+0.0			R8_A1_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_M	
٨	4879.540M	43.5	+0.0	+8.2	+6.1	-39.7	+0.0	52.0	54.0 -2.0	Horiz
			+0.4	+33.2	+0.3	+0.0			R8_A2_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_M	
٨	4879.547M	42.3	+0.0	+8.2	+6.1	-39.7	+0.0	50.8		Horiz
			+0.4	+33.2	+0.3	+0.0			R8_A1_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_M	
143	4959.535M	28.7	+0.0	+8.4	+6.1	-39.6	+0.0	37.8	54.0 -16.2	Horiz
	Ave		+0.4	+33.5	+0.3	+0.0			R8_A2_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
٨	4959.535M	41.9	+0.0	+8.4	+6.1	-39.6	+0.0	51.0	54.0 -3.0	Horiz
			+0.4	+33.5	+0.3	+0.0			R8_A2_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
^	4959.595M	38.7	+0.0	+8.4	+6.1	-39.6	+0.0	47.8		Horiz
			+0.4	+33.5	+0.3	+0.0			R8_A3_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
٨	4959.550M	38.5	+0.0	+8.4	+6.1	-39.6	+0.0	47.6		Horiz
			+0.4	+33.5	+0.3	+0.0			R7_A1_MA673_B	
				+0.0		+0.0			LE_H	
٨	4959.569M	36.3		+8.4	+6.1		+0.0	45.4		Horiz
			+0.4	+33.5	+0.3	+0.0			R7_A2_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
٨	4959.587M	35.8	+0.0	+8.4	+6.1	-39.6	+0.0	44.9	54.0 -9.1	Horiz
			+0.4	+33.5	+0.3	+0.0			R7_A1_R8_A2_M	
			+0.0	+0.0	+0.0	+0.0			A673_BLE_H_H2	
٨	4959.550M	35.3	+0.0	+8.4	+6.1	-39.6	+0.0	44.4	54.0 -9.6	Horiz
			+0.4	+33.5	+0.3	+0.0			R7_A3_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
									_	



	4803.543M	29.6	+0.0	+8.0	+6.1	-39.8	+0.0	37.8	54.0 -16.2	Horiz
	Ave		+0.4	+33.2	+0.3	+0.0			R7_A2_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
^	4803.543M	43.6	+0.0	+8.0	+6.1	-39.8	+0.0	51.8	54.0 -2.2	Horiz
			+0.4	+33.2	+0.3	+0.0			R7_A2_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
^	4803.553M	39.1	+0.0	+8.0	+6.1	-39.8	+0.0	47.3	54.0 -6.7	Horiz
			+0.4	+33.2	+0.3	+0.0			R7_A1_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
153	4959.529M	28.6	+0.0	+8.4	+6.1	-39.6	+0.0	37.7		Vert
	Ave		+0.4	+33.5	+0.3	+0.0			R8_A2_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
^	4959.529M	42.3	+0.0	+8.4	+6.1	-39.6	+0.0	51.4	54.0 -2.6	Vert
			+0.4	+33.5	+0.3	+0.0			R8_A2_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
^	4959.541M	39.6	+0.0	+8.4	+6.1	-39.6	+0.0	48.7	54.0 -5.3	Vert
			+0.4	+33.5	+0.3	+0.0			R8_A3_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
156	7319.348M	22.6	+0.0	+10.8	+7.6	-39.8	+0.0	37.7	54.0 -16.3	Horiz
	Ave		+0.1	+36.2	+0.2	+0.0			R7_A3_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_M	
157	7446.844M	21.8	+0.0	+11.1	+7.7	-39.7	+0.0	37.7	54.0 -16.3	Horiz
	Ave		+0.2	+36.4	+0.2	+0.0			R8_A1_MA673_D	
			+0.0	+0.0	+0.0	+0.0			TS	
٨	7446.844M	35.4	+0.0	+11.1	+7.7	-39.7	+0.0	51.3	54.0 -2.7	Horiz
			+0.2	+36.4	+0.2	+0.0			R8_A1_MA673_D	
			+0.0	+0.0	+0.0	+0.0			TS	
^	7446.807M	33.9	+0.0	+11.1	+7.7	-39.7	+0.0	49.8	54.0 -4.2	Horiz
			+0.2	+36.4	+0.2	+0.0			R7_A2_MA673_D	
			+0.0	+0.0	+0.0	+0.0			TS	
160	7445.559M	21.8	+0.0	+11.1	+7.7	-39.7	+0.0	37.7	54.0 -16.3	Vert
	Ave		+0.2	+36.4	+0.2	+0.0			R7_A3_MA673_D	
			+0.0	+0.0	+0.0	+0.0			TS	
٨	7445.559M	35.7	+0.0	+11.1	+7.7	-39.7	+0.0	51.6	54.0 -2.4	Vert
			+0.2	+36.4	+0.2	+0.0			R7_A3_MA673_D	
			+0.0	+0.0	+0.0	+0.0			TS	
162	7320.900M	22.5	+0.0	+10.8	+7.6	-39.8	+0.0	37.6	54.0 -16.4	Vert
	Ave		+0.1	+36.2		+0.0			R7_A2_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_M	
^	7320.900M	36.2	+0.0	+10.8	+7.6	-39.8	+0.0	51.3	54.0 -2.7	Vert
			+0.1	+36.2	+0.2	+0.0			R7_A2_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_M	
164	4960.559M	28.5	+0.0	+8.4	+6.1	-39.6	+0.0	37.6	54.0 -16.4	Horiz
	Ave		+0.4	+33.5	+0.3	+0.0			R8_A1_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
^	4960.559M	42.3	+0.0	+8.4	+6.1	-39.6	+0.0	51.4	54.0 -2.6	Horiz
			+0.4	+33.5	+0.3	+0.0			R8_A1_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
166	7440.835M	21.7	+0.0	+11.1	+7.7	-39.7	+0.0	37.6	54.0 -16.4	Horiz
	Ave		+0.2	+36.4	+0.2	+0.0			R8_A2_MA673_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
									_	



Ave	167	7206 772M	22.0	+Ω.Ω	+10.7	.75	20.6	ι Ο Ο	27.6	54.0 -16.4	Homin
168 7206.793M 22.8			22.9	+0.0	+10.7	+7.5	-39.6	+0.0	37.0		Horiz
168 7206.793M 22.8 +0.0 +10.7 +7.5 -39.6 +0.0 37.5 54.0 -16.5 Vert		Ave									
Ave +0.1 b.00 b.00 b.00 b.00 b.00 b.00 b.00 b	160	7206 702M	22.8					+0.0	27.5	_	Vont
^ 7206.793M 36.5 +0.0 +10.7 +7.5 -39.6 +0.0 51.2 54.0 -2.8 Vert 170 7440.843M 21.6 +0.0 +11.1 +7.7 -39.7 +0.0 37.5 54.0 -16.5 Vert Ave +0.2 +36.4 +0.2 +0.0 +0.0 18.2 54.0 -16.5 Vert Ave +0.0 +0.0 +0.0 +0.0 57.5 54.0 -16.5 Vert Ave +0.0 +0.0 +0.0 +0.0 57.5 54.0 -16.5 Vert Ave +0.0 +11.1 +7.7 -39.7 +0.0 37.5 54.0 -16.5 Vert Ave +0.0 +0.0 +0.0 +0.0 51.9 54.0 -2.1 Vert Ave +0.2 +36.4 +0.2 +0.0 51.9 54.0 -2.1 Vert Ave +0.2 +36.4 +0.2 +0.0 87.4			22.8					+0.0	37.3		vert
^ 7206.793M 36.5 +0.0 +10.7 +7.5 -39.6 +0.0 51.2 \$54.0 -2.8 Vert R8_A2_MA673_B Vert +0.0 +0.0		Ave									
Holi	_	7206 702M	26.5					+0.0	51.2	_	Vont
170 7440.843M		/200./93IVI	30.3					+0.0	31.2		vert
170 7440.843M											
Ave +0.2 +0.0 +0.0 +0.0 +0.0 +0.0 +0.0 +0.0	170	7440 942M	21.6					+0.0	27.5	_	Vort
171 7428.557M			21.0					+0.0	31.3		VEIL
171 7428.557M		Ave									
Ave	171	7428 557M	21.6					±0.0	37.5		Vort
+0.0			21.0					+0.0	31.3		VEIL
A 7428.557M		Avc									
^ 7428.557M				10.0	10.0	10.0	10.0				
Hole	^	7428 557M	36.0	+0.0	+11 1	+7 7	-39 7	+0.0	51.9		Vert
Hole		7420.337W	30.0					10.0	31.7		VCIT
173 7440.857M											
173 7440.857M				10.0	10.0	10.0	10.0				
Ave +0.2 +36.4 +0.2 +0.0 +0.0 +0.0 +0.0 +0.0 LE_H ^ 7440.898M 37.0 +0.0 +11.1 +7.7 -39.7 +0.0 52.9 54.0 -1.1 Horiz +0.2 +36.4 +0.2 +0.0 +0.0 EP. R7_A3_MA673_B LE_H ^ 7440.835M 36.1 +0.0 +11.1 +7.7 -39.7 +0.0 52.0 54.0 -2.0 Horiz +0.2 +36.4 +0.2 +0.0 -8.0 -8.2 54.0 -2.0 Horiz +0.2 +36.4 +0.2 +0.0 -8.0 -8.0 -8.2 Horiz * 7440.857M 35.9 +0.0 +11.1 +7.7 -39.7 +0.0 51.8 54.0 -2.2 Horiz * 40.2 +36.4 +0.2 +0.0 51.8 54.0 -2.2 Horiz * 40.0 +0.0 +0.0 +0.0 +0.0 *1.0 *1.0	173	7440 857M	21.5	+0.0	+11 1	+7 7	-39 7	+0.0	37.4		Horiz
+0.0			21.5					10.0	37.1		110112
^ 7440.898M 37.0 +0.0 +11.1 +7.7 -39.7 +0.0 52.9 54.0 -1.1 Horiz +0.0 +0.0 +0.0 +0.0 +0.0 +0.0 R7_A3_MA673_B LE_H ^ 7440.835M 36.1 +0.0 +11.1 +7.7 -39.7 +0.0 52.0 54.0 -2.0 Horiz +0.2 +36.4 +0.2 +0.0 +0.0 EB_A2_MA673_B LE_H -7440.857M 35.9 +0.0 +11.1 +7.7 -39.7 +0.0 51.8 54.0 -2.2 Horiz -7440.857M 35.9 +0.0 +11.1 +7.7 -39.7 +0.0 51.8 54.0 -2.2 Horiz -0.0 +0.0 +0.0 +0.0 +0.0 51.8 54.0 -2.2 Horiz -0.0 +0.0 +0.0 +0.0 37.4 54.0 -16.6 Vert -0.0 +0.0 +0.0 +0.0 37.4 54.0 -16.6 <td></td> <td>11,0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		11,0									
+0.2	^	7440.898M	37.0					+0.0	52.9	_	Horiz
+0.0 +0.0 +0.0 +0.0 +0.0 52.0 54.0 -2.0 Horiz ^ 7440.835M 36.1 +0.0 +11.1 +7.7 -39.7 +0.0 52.0 54.0 -2.0 Horiz +0.2 +36.4 +0.2 +0.0 +0.0 EL_H 12.5 Horiz ^ 7440.857M 35.9 +0.0 +11.1 +7.7 -39.7 +0.0 51.8 54.0 -2.2 Horiz +0.2 +36.4 +0.2 +0.0 +0.0 +0.0 ER_A1_MA673_B LE_H 177 7440.867M 21.5 +0.0 +11.1 +7.7 -39.7 +0.0 37.4 54.0 -2.2 Horiz Ave +0.2 +36.4 +0.2 +0.0 87.4 54.0 -16.6 Vert Ave +0.0 +0.0 +0.0 +0.0 40.0 87.4 54.0 -16.6 Vert Ave +0.1 +35.9 +0.2 +0.0 87.4		,	27.0					. 0.0	02.5		110112
^ 7440.835M 36.1 +0.0 +11.1 +7.7 -39.7 +0.0 52.0 54.0 -2.0 Horiz +0.2 +36.4 +0.2 +0.0 +0.0 ER8_A2_MA673_B LE_H ^ 7440.857M 35.9 +0.0 +11.1 +7.7 -39.7 +0.0 51.8 54.0 -2.2 Horiz +0.2 +36.4 +0.2 +0.0 +0.0 51.8 54.0 -2.2 Horiz 177 7440.867M 21.5 +0.0 +11.1 +7.7 -39.7 +0.0 37.4 54.0 -16.6 Vert Ave +0.2 +36.4 +0.2 +0.0 +0.0 -16.6 Vert Ave +0.2 +36.4 +0.2 +0.0 37.4 54.0 -16.6 Vert Ave +0.1 +35.9 +0.2 +0.0 37.4 54.0 -16.6 Vert Ave +0.1 +35.9 +0.2 +0.0 37.4 54.0 -2.9 Vert Ave +0.1 +35.9 +0.2 +0.0 51.1											
+0.2	^	7440.835M	36.1					+0.0	52.0		Horiz
+0.0 +0.0 +0.0 +0.0 +0.0 LE_H ^ 7440.857M 35.9 +0.0 +11.1 +7.7 -39.7 +0.0 51.8 54.0 -2.2 Horiz +0.2 +36.4 +0.2 +0.0 R7_A1_MA673_B R7_A3_MA673_B R7_A3_MA673_B											
^ 7440.857M 35.9 +0.0 +11.1 +7.7 -39.7 +0.0 51.8 54.0 -2.2 Horiz +0.2 +36.4 +0.2 +0.0 +0.0 ER7_A1_MA673_B RT_A1_MA673_B Horiz 177 7440.867M 21.5 +0.0 +11.1 +7.7 -39.7 +0.0 37.4 54.0 -16.6 Vert Ave +0.2 +36.4 +0.2 +0.0 +0.0 +0.0 A673_BLE_H_H2 Vert 178 7218.782M 22.6 +0.0 +10.7 +7.5 -39.6 +0.0 37.4 54.0 -16.6 Vert Ave +0.1 +35.9 +0.2 +0.0 37.4 54.0 -16.6 Vert A 7218.782M 36.3 +0.0 +10.7 +7.5 -39.6 +0.0 51.1 54.0 -2.9 Vert +0.1 +35.9 +0.2 +0.0 51.1 54.0 -2.9 Vert +0.1 +35.9 +0.2 +0.0 87.4 54.0 -16.6 Vert Ave <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>											
+0.2	^	7440.857M	35.9					+0.0	51.8		Horiz
Ho				+0.2	+36.4	+0.2	+0.0				
177 7440.867M 21.5 +0.0 +11.1 +7.7 -39.7 +0.0 37.4 54.0 -16.6 Vert Ave +0.2 +36.4 +0.2 +0.0 +0.0 Ac673_BLE_H_H2 Pert 178 7218.782M 22.6 +0.0 +10.7 +7.5 -39.6 +0.0 37.4 54.0 -16.6 Vert Ave +0.1 +35.9 +0.2 +0.0 R7_A1_R8_A2_M Ac673_BLE_L_L2 ^ 7218.782M 36.3 +0.0 +10.7 +7.5 -39.6 +0.0 51.1 54.0 -2.9 Vert +0.1 +35.9 +0.2 +0.0 87_A1_R8_A2_M Pert				+0.0	+0.0	+0.0	+0.0				
Ave +0.2 +36.4 +0.2 +0.0 R7_A1_R8_A2_M R7_A1_R8_A2_M 178 7218.782M 22.6 +0.0 +10.7 +7.5 -39.6 +0.0 37.4 54.0 -16.6 Vert Ave +0.1 +35.9 +0.2 +0.0 R7_A1_R8_A2_M R7_A1_R8_A2_M Vert ^ 7218.782M 36.3 +0.0 +10.7 +7.5 -39.6 +0.0 51.1 54.0 -2.9 Vert +0.1 +35.9 +0.2 +0.0 R7_A1_R8_A2_M R7_A1_R8_A2_M R7_A1_R8_A2_M R7_A1_R8_A2_M P0.0 P0.0<	177	7440.867M	21.5					+0.0	37.4		Vert
+0.0				+0.2	+36.4	+0.2	+0.0			R7_A1_R8_A2_M	
178 7218.782M 22.6 +0.0 +10.7 +7.5 -39.6 +0.0 37.4 54.0 -16.6 Vert Ave +0.1 +35.9 +0.2 +0.0 R7_A1_R8_A2_M R7_A1_R8_A2_M +0.0 +0.0 +0.0 +0.0 51.1 54.0 -2.9 Vert +0.1 +35.9 +0.2 +0.0 R7_A1_R8_A2_M R7_A1_R8_A2_M A673_BLE_L_L2 180 7440.713M 21.5 +0.0 +11.1 +7.7 -39.7 +0.0 37.4 54.0 -16.6 Vert Ave +0.2 +36.4 +0.2 +0.0 R7_A3_MA673_B LE_H ^ 7440.713M 35.7 +0.0 +11.1 +7.7 -39.7 +0.0 51.6 54.0 -2.4 Vert - 7440.713M 35.7 +0.0 +11.1 +7.7 -39.7 +0.0 51.6 54.0 -2.4 Vert - 7440.713M 35.7 +0.0 +11.1 +7.7 -39.7	1			+0.0							
+0.0 +0.0 +0.0 +0.0 +0.0 A673_BLE_L_L2 ^ 7218.782M 36.3 +0.0 +10.7 +7.5 -39.6 +0.0 51.1 54.0 -2.9 Vert +0.1 +35.9 +0.2 +0.0 R7_A1_R8_A2_M A673_BLE_L_L2 180 7440.713M 21.5 +0.0 +11.1 +7.7 -39.7 +0.0 37.4 54.0 -16.6 Vert Ave +0.2 +36.4 +0.2 +0.0 R7_A3_MA673_B LE_H ^ 7440.713M 35.7 +0.0 +11.1 +7.7 -39.7 +0.0 51.6 54.0 -2.4 Vert +0.2 +36.4 +0.2 +0.0 ER_TA3_MA673_B R7_A3_MA673_B F7_A3_MA673_B	178	7218.782M	22.6					+0.0	37.4		Vert
+0.0 +0.0 +0.0 +0.0 A673_BLE_L_L2 ^ 7218.782M 36.3 +0.0 +10.7 +7.5 -39.6 +0.0 51.1 54.0 -2.9 Vert +0.1 +35.9 +0.2 +0.0 R7_A1_R8_A2_M A673_BLE_L_L2 180 7440.713M 21.5 +0.0 +11.1 +7.7 -39.7 +0.0 37.4 54.0 -16.6 Vert Ave +0.2 +36.4 +0.2 +0.0 R7_A3_MA673_B LE_H ^ 7440.713M 35.7 +0.0 +11.1 +7.7 -39.7 +0.0 51.6 54.0 -2.4 Vert +0.2 +36.4 +0.2 +0.0 51.6 54.0 -2.4 Vert +0.2 +36.4 +0.2 +0.0 51.6 54.0 -2.4 Vert +0.2 +36.4 +0.2 +0.0 R7_A3_MA673_B R7_A3_MA673_B	1	Ave		+0.1	+35.9					R7_A1_R8_A2_M	
^ 7218.782M 36.3 +0.0 +10.7 +7.5 -39.6 +0.0 51.1 54.0 -2.9 Vert +0.1 +35.9 +0.2 +0.0 +0.0 R7_A1_R8_A2_M R7_A1_R8_A2_M R7_A1_R8_A2_M R7_A3_BLE_L_L2 R7_A3_BLE_L_L2 R7_A3_MA673_B R7_A3_MA673				+0.0	+0.0	+0.0	+0.0				
+0.1 +35.9 +0.2 +0.0 R7_A1_R8_A2_M +0.0 +0.0 +0.0 +0.0 A673_BLE_L_L2 180 7440.713M 21.5 +0.0 +11.1 +7.7 -39.7 +0.0 37.4 54.0 -16.6 Vert Ave +0.2 +36.4 +0.2 +0.0 R7_A3_MA673_B LE_H ^ 7440.713M 35.7 +0.0 +11.1 +7.7 -39.7 +0.0 51.6 54.0 -2.4 Vert +0.2 +36.4 +0.2 +0.0 R7_A3_MA673_B R7_A3_MA673_B R7_A3_MA673_B	^	7218.782M	36.3						51.1		Vert
180 7440.713M 21.5 +0.0 +11.1 +7.7 -39.7 +0.0 37.4 54.0 -16.6 Vert Ave +0.2 +36.4 +0.2 +0.0 R7_A3_MA673_B +0.0 +0.0 +0.0 +0.0 +0.0 LE_H ^ 7440.713M 35.7 +0.0 +11.1 +7.7 -39.7 +0.0 51.6 54.0 -2.4 Vert +0.2 +36.4 +0.2 +0.0 R7_A3_MA673_B	1			+0.1	+35.9	+0.2	+0.0			R7_A1_R8_A2_M	
Ave				+0.0	+0.0	+0.0	+0.0			A673_BLE_L_L2	
+0.0 +0.0 +0.0 +0.0 LE_H ^ 7440.713M 35.7 +0.0 +11.1 +7.7 -39.7 +0.0 51.6 54.0 -2.4 Vert +0.2 +36.4 +0.2 +0.0 R7_A3_MA673_B	180	7440.713M	21.5	+0.0	+11.1	+7.7	-39.7	+0.0	37.4	54.0 -16.6	Vert
^ 7440.713M 35.7 +0.0 +11.1 +7.7 -39.7 +0.0 51.6 54.0 -2.4 Vert +0.2 +36.4 +0.2 +0.0 R7_A3_MA673_B	1	Ave		+0.2	+36.4	+0.2	+0.0			R7_A3_MA673_B	
+0.2 +36.4 +0.2 +0.0 R7_A3_MA673_B				+0.0	+0.0	+0.0	+0.0			LE_H	
	^	7440.713M	35.7	+0.0	+11.1	+7.7	-39.7	+0.0	51.6	54.0 -2.4	Vert
	1			+0.2	+36.4	+0.2	+0.0			R7_A3_MA673_B	
+0.0 +0.0 +0.0 +0.0 LE_H				+0.0	+0.0	+0.0	+0.0			LE_H	



100	40.62.540 M	20.2	. 0. 0	. 0. 4	1	20.6	. 0. 0	27.2	540 167	TT
182	4963.540M	28.2	+0.0	+8.4	+6.1	-39.6	+0.0	37.3	54.0 -16.7	Horiz
	Ave		+0.4	+33.5	+0.3	+0.0			R8_A2_MA673_D TS	
	40.62.5403.4	40.0	+0.0	+0.0	+0.0	+0.0	. 0. 0	50.0		TT
,	4963.540M	40.9	+0.0	+8.4	+6.1	-39.6	+0.0	50.0	54.0 -4.0	Horiz
			+0.4	+33.5	+0.3	+0.0			R8_A2_MA673_D	
	40.62.6073.4	27.6	+0.0	+0.0	+0.0	+0.0	. 0. 0	467	TS	77 '
	4963.607M	37.6	+0.0	+8.4	+6.1	-39.6	+0.0	46.7	54.0 -7.3	Horiz
			+0.4	+33.5	+0.3	+0.0			R7_A1_MA673_D	
105	7446 21014	21.2	+0.0	+0.0	+0.0	+0.0	. 0. 0	27.2	TS	X 7 .
185	7446.318M	21.3	+0.0	+11.1	+7.7	-39.7	+0.0	37.2	54.0 -16.8	Vert
	Ave		+0.2	+36.4	+0.2	+0.0			R8_A1_MA673_D	
	7446 21014	25.6	+0.0	+0.0	+0.0	+0.0	. 0. 0	<i>51.5</i>	TS 2.5	X 74
,	7446.318M	35.6	+0.0	+11.1	+7.7	-39.7	+0.0	51.5	54.0 -2.5	Vert
			+0.2	+36.4	+0.2	+0.0			R8_A1_MA673_D	
107	7220 74214	22.1	+0.0	+0.0	+0.0	+0.0	. 0. 0	27.2	TS 16.8	X 74
18/	7320.742M	22.1	+0.0	+10.8	+7.6	-39.8	+0.0	37.2	54.0 -16.8	Vert
	Ave		+0.1	+36.2	+0.2	+0.0			R7_A1_MA673_B	
100	7440 01234	21.2	+0.0	+0.0	+0.0	+0.0	. 0. 0	27.2	LE_M	X 74
	7440.913M	21.3	+0.0	+11.1	+7.7	-39.7	+0.0	37.2	54.0 -16.8	Vert
	Ave		+0.2	+36.4	+0.2	+0.0			R8_A1_MA673_B	
	7440.06734	26.0	+0.0	+0.0	+0.0	+0.0	. 0. 0	50.1	LE_H	X 74
	7440.867M	36.2	+0.0	+11.1	+7.7	-39.7	+0.0	52.1	54.0 -1.9	Vert
			+0.2	+36.4	+0.2	+0.0			R7_A1_R8_A2_M	
	7440 04234	26.0	+0.0	+0.0	+0.0	+0.0	. 0. 0	50.1	A673_BLE_H_H2	X 74
,	7440.843M	36.2	+0.0	+11.1	+7.7	-39.7	+0.0	52.1	54.0 -1.9	Vert
			+0.2	+36.4	+0.2	+0.0			R8_A2_MA673_B	
101	7439.458M	21.2	+0.0	+0.0	+0.0	+0.0	. 0. 0	27.1	LE_H	II
191		21.2	$+0.0 \\ +0.2$	+11.1 +36.4	+7.7	-39.7	+0.0	37.1	54.0 -16.9	Horiz
	Ave				+0.2 +0.0	+0.0			R8_A1_MA673_B	
102	7207 79014	22.4	+0.0	+0.0	+7.5	+0.0	+0.0	37.1	LE_H 54.0 -16.9	II
192	7206.780M	22.4	+0.0 +0.1		+7.5	-39.6	+0.0	37.1		Horiz
	Ave		+0.1 +0.0	+35.8	+0.2	+0.0			R8_A2_MA673_B LE_L	
	7206.845M	26.5	+0.0	+0.0	+7.5	+0.0	+0.0	51.2	54.0 -2.8	Horiz
,	/200.843IVI	36.5	+0.0	+10.7	+7.3	-39.6 +0.0	+0.0	31.2		HOLIZ
						+0.0 +0.0			R8_A3_MA673_B LE_L	
104	7439.317M	21.2	+0.0	+0.0	+0.0 +7.7	-39.7	+0.0	37.1	54.0 -16.9	Vert
	/439.31/M Ave	21.2		+11.1 +36.4		-39.7 +0.0	+0.0	37.1	R7_A1_MA673_B	v eft
	AVC		+0.2 $+0.0$	+30.4	+0.2	+0.0 +0.0			LE_H	
^	7439.317M	35.3	+0.0	+11.1	+7.7	-39.7	+0.0	51.2	54.0 -2.8	Vert
	/437.31/IVI	55.5	+0.0	+11.1	+0.2	-39.7 +0.0	+0.0	31.2	R7_A1_MA673_B	v er t
			+0.2 $+0.0$	+30.4	+0.2	+0.0 +0.0			LE_H	
106	7439.384M	21.1	+0.0	+11.1	+7.7	-39.7	+0.0	37.0	54.0 -17.0	Horiz
170	Ave	41.1	+0.0	+11.1	+0.2	+0.0	10.0	37.0	R7_A2_MA673_B	110112
	1100		+0.2	+0.0	+0.2	+0.0 +0.0			LE_H	
٨	7439.458M	35.2	+0.0	+11.1	+7.7	-39.7	+0.0	51.1	54.0 -2.9	Horiz
	, TJ/.TJ01 V1	33.4	+0.0	+36.4	+0.2	+0.0	10.0	51.1	R8_A1_MA673_B	110112
			+0.2	+0.0	+0.2	+0.0			LE_H	
^	7439.384M	35.0	+0.0	+11.1	+7.7	-39.7	+0.0	50.9	54.0 -3.1	Horiz
	1 T37.30 TIVI	55.0	+0.0	+36.4	+0.2	+0.0	10.0	50.9	R7_A2_MA673_B	110112
			+0.2	+0.0	+0.2	+0.0			LE_H	
			10.0	10.0	10.0	10.0				



199 7205.445M	22.2	+0.0	+10.7	+7.5	-39.6	+0.0	36.9	54.0 -17.1	Vert
Ave	22.2	+0.1	+35.8	+0.2	+0.0	10.0	30.7	R7_A2_MA673_B	V 011
1210			+0.0	+0.0	+0.0			LE_L	
^ 7205.445M	35.5	+0.0	+10.7	+7.5	-39.6	+0.0	50.2	_	Vert
7203.113111	33.5	+0.1	+35.8	+0.2	+0.0	10.0	30.2	R7_A2_MA673_B	V 011
			+0.0		+0.0			LE_L	
201 7217.168M	22.1	+0.0	+10.7	+7.5	-39.6	+0.0	36.9	_	Horiz
Ave	22.1	+0.1	+35.9	+0.2	+0.0	10.0	30.7	R7_A1_R8_A2_M	HOHE
			+0.0		+0.0			A673_BLE_L_L2	
^ 7217.168M	36.8	+0.0	+10.7	+7.5	-39.6	+0.0	51.6		Horiz
,, , ,,		+0.1	+35.9	+0.2	+0.0			R7_A1_R8_A2_M	
			+0.0		+0.0			A673_BLE_L_L2	
203 7320.800M	21.7		+10.8	+7.6	-39.8	+0.0	36.8		Horiz
Ave		+0.1	+36.2	+0.2	+0.0			R7_A1_MA673_B	
			+0.0		+0.0			LE_M	
^ 7320.800M	35.3			+7.6	-39.8		50.4		Horiz
		+0.1	+36.2	+0.2	+0.0			R7_A1_MA673_B	
			+0.0		+0.0			LE_M	
205 4964.574M	27.7	+0.0	+8.4	+6.1	-39.6		36.8		Vert
Ave		+0.4	+33.5	+0.3	+0.0			R8_A1_MA673_D	
			+0.0	+0.0	+0.0			TS	
206 7439.451M	20.9	+0.0	+11.1	+7.7	-39.7	+0.0	36.8		Vert
Ave		+0.2	+36.4	+0.2	+0.0			R8_A3_MA673_B	
			+0.0	+0.0	+0.0			LE_H	
^ 7439.451M	34.9	+0.0	+11.1	+7.7	-39.7	+0.0	50.8		Vert
		+0.2	+36.4	+0.2	+0.0			R8_A3_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_H	
208 7206.657M	22.0	+0.0	+10.7	+7.5	-39.6	+0.0	36.7		Vert
Ave		+0.1	+35.8	+0.2	+0.0			R7_A1_R8_A2_M	
		+0.0	+0.0	+0.0	+0.0			A673_BLE_L_L2	
^ 7206.657M	36.3	+0.0	+10.7	+7.5	-39.6	+0.0	51.0	54.0 -3.0	Vert
		+0.1	+35.8	+0.2	+0.0			R7_A1_R8_A2_M	
		+0.0	+0.0		+0.0			A673_BLE_L_L2	
210 7447.137M	20.8	+0.0	+11.1	+7.7	-39.7	+0.0	36.7		Horiz
Ave		+0.2	+36.4		+0.0			R7_A1_R8_A2_M	
		+0.0	+0.0	+0.0	+0.0			A673_BLE_H2_DT	
								S	
^ 7447.137M	35.3	+0.0	+11.1	+7.7	-39.7	+0.0	51.2	54.0 -2.8	Horiz
		+0.2	+36.4	+0.2	+0.0			R7_A1_R8_A2_M	
		+0.0	+0.0	+0.0	+0.0			A673_BLE_H2_DT	
								S	
212 7206.019M	22.0	+0.0	+10.7	+7.5	-39.6	+0.0	36.7	54.0 -17.3	Horiz
Ave		+0.1	+35.8	+0.2	+0.0			R7_A3_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_L	
^ 7206.019M	36.3	+0.0	+10.7	+7.5	-39.6	+0.0	51.0	54.0 -3.0	Horiz
		+0.1	+35.8	+0.2	+0.0			R7_A3_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_L	
Ave		+0.1 +0.0 +0.0 +0.1	+35.8 +0.0 +10.7 +35.8	+0.2 +0.0 +7.5 +0.2	+0.0 +0.0 -39.6 +0.0			R7_A3_MA673_B LE_L 54.0 -3.0 R7_A3_MA673_B	

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214 7440.587M	20.8	+0.0	+11.1	+7.7	-39.7	+0.0	36.7	54.0 -17.3	Horiz
Ave	20.8	+0.0	+36.4	+0.2	+0.0	+0.0	30.7	R7_A1_R8_A2_M	110112
Ave		+0.2	+0.0	+0.2	+0.0 +0.0			A673_BLE_H_H2	
^ 7440.587M	34.6	+0.0	+11.1	+7.7	-39.7	+0.0	50.5	54.0 -3.5	Horiz
7 1 10.507141	31.0	+0.2	+36.4	+0.2	+0.0	10.0	30.3	R7 A1 R8 A2 M	HOHE
		+0.0	+0.0	+0.0	+0.0			A673_BLE_H_H2	
216 7319.360M	21.5	+0.0	+10.8	+7.6	-39.8	+0.0	36.6	54.0 -17.4	Horiz
Ave		+0.1	+36.2	+0.2	+0.0			R8_A1_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
^ 7319.420M	36.9	+0.0	+10.8	+7.6	-39.8	+0.0	52.0	54.0 -2.0	Horiz
		+0.1	+36.2	+0.2	+0.0			R8_A2_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
^ 7319.348M	36.8	+0.0	+10.8	+7.6	-39.8	+0.0	51.9	54.0 -2.1	Horiz
		+0.1	+36.2	+0.2	+0.0			R7_A3_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
^ 7319.360M	35.1	+0.0	+10.8	+7.6	-39.8	+0.0	50.2	54.0 -3.8	Horiz
		+0.1	+36.2	+0.2	+0.0			R8_A1_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
220 7428.992M	20.6	+0.0	+11.1	+7.7	-39.7	+0.0	36.5	54.0 -17.5	Horiz
Ave		+0.2	+36.4	+0.2	+0.0			R7_A1_R8_A2_M	
		+0.0	+0.0	+0.0	+0.0			A673_BLE_H2_DT	
								S	
^ 7428.992M	34.9	+0.0	+11.1	+7.7	-39.7	+0.0	50.8	54.0 -3.2	Horiz
		+0.2	+36.4	+0.2	+0.0			R7_A1_R8_A2_M	
		+0.0	+0.0	+0.0	+0.0			A673_BLE_H2_DT	
								S	
222 7205.593M	21.8	+0.0	+10.7	+7.5	-39.6	+0.0	36.5	54.0 -17.5	Horiz
Ave		+0.1	+35.8	+0.2	+0.0			R7_A1_R8_A2_M	
. 5005 5003 5	27.0		+0.0	+0.0	+0.0	0.0		A673_BLE_L_L2	** .
^ 7205.593M	35.8	+0.0	+10.7	+7.5	-39.6	+0.0	50.5	54.0 -3.5	Horiz
		+0.1	+35.8	+0.2	+0.0			R7_A1_R8_A2_M	
224 7206 26514	21.7	+0.0	+0.0	+0.0	+0.0	. 0. 0	26.4	A673_BLE_L_L2	X7 .
224 7206.265M	21.7	+0.0	+10.7	+7.5	-39.6	+0.0	36.4	54.0 -17.6	Vert
Ave		+0.1	+35.8	+0.2	+0.0			R8_A1_MA673_B	
225 7205 15014	21.7	+0.0	+0.0	+0.0	+0.0	+0.0	26 1	LE_L	Vont
225 7205.158M	21.7	+0.0	+10.7	+7.5	-39.6	+0.0	36.4	54.0 -17.6	Vert
Ave		+0.1	+35.8	$+0.2 \\ +0.0$	+0.0			R7_A1_MA673_B	
^ 7205.158M	35.7	+0.0	$+0.0 \\ \hline +10.7$	+7.5	+0.0 -39.6	+0.0	50.4	LE_L 54.0 -3.6	Vert
7203.136WI	55.1	+0.0	+10.7	+7.3	-39.0 +0.0	+0.0	50.4	R7_A1_MA673_B	v ert
		+0.1	+33.8	+0.2	+0.0 +0.0			LE_L	
227 7206.677M	21.6	+0.0	+10.7	+7.5	-39.6	+0.0	36.3	54.0 -17.7	Horiz
Ave	21.0	+0.0	+35.8	+0.2	+0.0	+0.0	30.3	R8_A1_MA673_B	110112
Ave		+0.1	+0.0	+0.2	+0.0			LE_L	
		+0.0	+0.0	+0.0	+0.0			LL_L	



228 7206.687M	21.6	+0.0	+10.7	+7.5	-39.6	+0.0	36.3	54.0 -17.7	Horiz
Ave		+0.1	+35.8	+0.2	+0.0			R7_A1_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_L	
^ 7206.773M	37.5	+0.0	+10.7	+7.5	-39.6	+0.0	52.2	54.0 -1.8	Horiz
		+0.1	+35.8	+0.2	+0.0			R7_A2_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_L	
^ 7206.780M	36.9	+0.0	+10.7	+7.5	-39.6	+0.0	51.6	54.0 -2.4	Horiz
		+0.1	+35.8	+0.2	+0.0			R8_A2_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_L	
^ 7206.687M	36.6	+0.0	+10.7	+7.5	-39.6	+0.0	51.3	54.0 -2.7	Horiz
		+0.1	+35.8	+0.2	+0.0			R7_A1_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_L	
^ 7206.677M	35.2	+0.0	+10.7	+7.5	-39.6	+0.0	49.9	54.0 -4.1	Horiz
		+0.1	+35.8	+0.2	+0.0			R8_A1_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_L	
233 4964.567M	27.1	+0.0	+8.4	+6.1	-39.6	+0.0	36.2	54.0 -17.8	Vert
Ave		+0.4	+33.5	+0.3	+0.0			R8_A2_MA673_D	
		+0.0	+0.0	+0.0	+0.0			TS	
234 7320.795M	20.8	+0.0	+10.8	+7.6	-39.8	+0.0	35.9	54.0 -18.1	Vert
Ave	20.0	+0.1	+36.2	+0.2	+0.0	10.0	33.7	R8_A3_MA673_B	, 611
7140		+0.0	+0.0	+0.0	+0.0			LE_M	
^ 7320.810M	37.0	+0.0	+10.8	+7.6	-39.8	+0.0	52.1	54.0 -1.9	Vert
7320.0101	37.0	+0.1	+36.2	+0.2	+0.0	10.0	32.1	R8_A1_MA673_B	VCIT
		+0.0	+0.0	+0.0	+0.0			LE_M	
^ 7320.802M	36.7	+0.0	+10.8	+7.6	-39.8	+0.0	51.8	54.0 -2.2	Vert
7 320.802IVI	30.7	+0.0	+36.2	+0.2	+0.0	+0.0	31.0	R8_A2_MA673_B	VCI
		+0.1	+30.2	+0.2	+0.0 +0.0			LE_M	
^ 7320.742M	35.2	+0.0	+10.8	+7.6	-39.8	+0.0	50.3	54.0 -3.7	Vert
/320.742IVI	33.2	+0.0	+36.2	+0.2	+0.0	+0.0	30.3	R7_A1_MA673_B	Vert
		+0.1	+0.0	+0.2	+0.0 +0.0			LE_M	
A 7220 705M	247	+0.0				.00	49.8	54.0 -4.2	Vert
^ 7320.795M	34.7		+10.8	+7.6	-39.8	+0.0	49.8		vert
		+0.1	+36.2	+0.2	+0.0			R8_A3_MA673_B	
220 7441 00014	10.0	+0.0	+0.0	+0.0	+0.0	0.0	25.0	LE_M	¥7 .
239 7441.000M	19.9	+0.0	+11.1	+7.7	-39.7	+0.0	35.8	54.0 -18.2	Vert
Ave		+0.2	+36.4	+0.2	+0.0			R7_A2_MA673_B	
A 7440 0403 5	25.2	+0.0	+0.0	+0.0	+0.0	0.0	F. 1	LE_H	X7 ·
^ 7440.913M	35.2	+0.0	+11.1	+7.7	-39.7	+0.0	51.1	54.0 -2.9	Vert
			+36.4		+0.0			R8_A1_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_H	
^ 7441.000M	34.7	+0.0	+11.1	+7.7	-39.7	+0.0	50.6	54.0 -3.4	Vert
		+0.2	+36.4	+0.2	+0.0			R7_A2_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_H	
242 7319.428M	20.6	+0.0	+10.8	+7.6	-39.8	+0.0	35.7	54.0 -18.3	Vert
Ave		+0.1	+36.2	+0.2	+0.0			R7_A3_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
^ 7319.428M	34.9	+0.0	+10.8	+7.6	-39.8	+0.0	50.0	54.0 -4.0	Vert
		+0.1	+36.2	+0.2	+0.0			R7_A3_MA673_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	



100 100	244 4880.594M	26.9	+0.0	+8.2	+6.1	-39.7	+0.0	35.4		Horiz
A 4880.594M	Ave		+0.4	+33.2					R8_A3_MA673_B	
+0.4 +33.2 +0.3 +0.0			+0.0	+0.0	+0.0	+0.0				
100 100	^ 4880.594M	40.2	+0.0	+8.2	+6.1	-39.7	+0.0	48.7	54.0 -5.3	Horiz
Ave			+0.4	+33.2	+0.3	+0.0			R8_A3_MA673_B	
Ave			+0.0	+0.0	+0.0	+0.0			LE_M	
+0.0	246 7206.314M	20.1	+0.0	+10.7	+7.5	-39.6	+0.0	34.8	54.0 -19.2	Vert
^ 7206.265M	Ave		+0.1	+35.8	+0.2	+0.0			R8_A3_MA673_B	
+0.1			+0.0	+0.0	+0.0	+0.0			LE_L	
+0.0	^ 7206.265M	35.9	+0.0	+10.7	+7.5	-39.6	+0.0	50.6	54.0 -3.4	Vert
^ 7206.314M 34.6 +0.0 +10.7 +7.5 -39.6 +0.0 49.3 54.0 -4.7 Vert +0.1 +35.8 +0.0 +0.0 +0.0 R8_A3_MA673_B LE_L 249 4960.567M 25.7 +0.0 +8.4 +6.1 -39.6 +0.0 34.8 54.0 -19.2 Vert Ave +0.4 +33.5 +0.3 +0.0 R7_A1_MA673_B LE_H ^ 4960.567M 39.9 +0.0 +8.4 +6.1 -39.6 +0.0 49.0 54.0 -5.0 Vert +0.0 +0.0 +0.0 +0.0 49.0 54.0 -5.0 Vert * 4960.507M 36.4 +0.0 +8.4 +6.1 -39.6 +0.0 45.5 54.0 -8.5 Vert * 4960.513M 35.1 +0.0 +8.4 +6.1 -39.6 +0.0 44.2 54.0 -9.8 Vert * 4960.513M 35.1 +0.0 +8.4 +6.1 <			+0.1	+35.8	+0.2	+0.0			R8_A1_MA673_B	
Ho.1			+0.0	+0.0	+0.0	+0.0			LE_L	
+0.0	^ 7206.314M	34.6	+0.0	+10.7	+7.5	-39.6	+0.0	49.3	54.0 -4.7	Vert
249 4960.567M 25.7 +0.0 +8.4 +6.1 -39.6 +0.0 34.8 54.0 -19.2 Vert Ave +0.4 +33.5 +0.3 +0.0 R7_A1_MA673_B LE_H ^ 4960.567M 39.9 +0.0 +8.4 +6.1 -39.6 +0.0 49.0 54.0 -5.0 Vert +0.4 +33.5 +0.3 +0.0 Head +0.0 +0.0 Head Head </td <td></td> <td></td> <td>+0.1</td> <td>+35.8</td> <td>+0.2</td> <td>+0.0</td> <td></td> <td></td> <td>R8_A3_MA673_B</td> <td></td>			+0.1	+35.8	+0.2	+0.0			R8_A3_MA673_B	
Ave +0.4 +33.5 +0.0 +0.0 +0.0 +0.0 +0.0 R7_A1_MA673_B LE_H ^ 4960.567M 39.9 +0.0 +8.4 +6.1 -39.6 +0.0 +0.0 +0.0 +0.0 +0.0 +0.0 +0.0 +0			+0.0	+0.0	+0.0	+0.0			LE_L	
+0.0	249 4960.567M	25.7	+0.0	+8.4	+6.1	-39.6	+0.0	34.8	54.0 -19.2	Vert
^ 4960.567M 39.9 +0.0 +8.4 +6.1 -39.6 +0.0 49.0 54.0 -5.0 Vert +0.4 +33.5 +0.0 +0.0 +0.0 R7_A1_MA673_B LE_H ^ 4960.507M 36.4 +0.0 +8.4 +6.1 -39.6 +0.0 45.5 54.0 -8.5 Vert +0.4 +33.5 +0.3 +0.0 +0.0 A673_BLE_H_H2 A673_BLE_H_H2 ^ 4960.513M 35.1 +0.0 +8.4 +6.1 -39.6 +0.0 44.2 54.0 -9.8 Vert +0.0 +0.0 +0.0 +0.0 40.0 44.2 54.0 -9.8 Vert +0.0 +0.0 +0.0 +0.0 44.2 54.0 -9.8 Vert 4964.607M 25.6 +0.0 +8.4 +6.1 -39.6 +0.0 34.7 54.0 -19.3 Vert A 4964.574M 40.7 +0.0 +8.4 +6.1 -39.6 +0.0 <td< td=""><td>Ave</td><td></td><td>+0.4</td><td>+33.5</td><td>+0.3</td><td>+0.0</td><td></td><td></td><td>R7_A1_MA673_B</td><td></td></td<>	Ave		+0.4	+33.5	+0.3	+0.0			R7_A1_MA673_B	
+0.4 +33.5 +0.3 +0.0			+0.0	+0.0	+0.0	+0.0			LE_H	
+0.0	^ 4960.567M	39.9	+0.0	+8.4	+6.1	-39.6	+0.0	49.0	54.0 -5.0	Vert
^ 4960.507M 36.4 +0.0 +8.4 +6.1 -39.6 +0.0 45.5 54.0 -8.5 Vert +0.4 +33.5 +0.0 +0.0 +0.0 A673_BLE_H_H2 -8.5 Vert ^ 4960.513M 35.1 +0.0 +8.4 +6.1 -39.6 +0.0 44.2 54.0 -9.8 Vert +0.4 +33.5 +0.3 +0.0 B. R7_A3_MA673_B LE_H -9.8 Vert -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0			+0.4	+33.5	+0.3	+0.0			R7_A1_MA673_B	
+0.4 +33.5 +0.3 +0.0 R7_A1_R8_A2_M RA673_BLE_H_H2 ^ 4960.513M 35.1 +0.0 +8.4 +6.1 -39.6 +0.0 44.2 54.0 -9.8 Vert +0.4 +33.5 +0.0 +0.0 +0.0 44.2 54.0 -9.8 Vert +0.4 +33.5 +0.3 +0.0 BR7_A3_MA673_B LE_H Vert 253 4964.607M 25.6 +0.0 +8.4 +6.1 -39.6 +0.0 34.7 54.0 -19.3 Vert Ave +0.4 +33.5 +0.3 +0.0 34.7 54.0 -19.3 Vert Ave +0.4 +33.5 +0.3 +0.0 TS 87_A1_MA673_D Vert A4964.574M 40.7 +0.0 +8.4 +6.1 -39.6 +0.0 49.8 54.0 -4.2 Vert A4964.567M 40.5 +0.0 +8.4 +6.1 -39.6 +0.0 49.6 54.0 -4.4 Vert A4964.513M 40.1 +0.0 +8.4 +6.1 -39.6			+0.0	+0.0	+0.0	+0.0			LE_H	
+0.0 +0.0 +0.0 +0.0 +0.0 A673_BLE_H_H2 ^ 4960.513M 35.1 +0.0 +8.4 +6.1 -39.6 +0.0 44.2 54.0 -9.8 Vert +0.4 +33.5 +0.3 +0.0 EE_H 253 4964.607M 25.6 +0.0 +8.4 +6.1 -39.6 +0.0 34.7 54.0 -19.3 Vert Ave +0.4 +33.5 +0.3 +0.0 R7_A1_MA673_D +0.0 +0.0 +0.0 +0.0 +0.0 TS ^ 4964.574M 40.7 +0.0 +8.4 +6.1 -39.6 +0.0 49.8 54.0 -4.2 Vert +0.4 +33.5 +0.3 +0.0 R8_A1_MA673_D +0.0 +0.0 +0.0 +0.0 +0.0 TS ^ 4964.567M 40.5 +0.0 +8.4 +6.1 -39.6 +0.0 49.8 54.0 -4.4 Vert +0.4 +33.5 +0.3 +0.0 R8_A1_MA673_D +0.0 +0.0 +0.0 +0.0 +0.0 TS ^ 4964.567M 40.5 +0.0 +8.4 +6.1 -39.6 +0.0 49.6 54.0 -4.4 Vert +0.4 +33.5 +0.3 +0.0 R8_A2_MA673_D +0.0 +0.0 +0.0 +0.0 +0.0 TS ^ 4964.513M 40.1 +0.0 +8.4 +6.1 -39.6 +0.0 49.2 54.0 -4.8 Vert +0.4 +33.5 +0.3 +0.0 R7_A1_R8_A2_M +0.0 +0.0 +0.0 +0.0 +0.0 A673_BLE_H2_DT	^ 4960.507M	36.4	+0.0	+8.4	+6.1	-39.6	+0.0	45.5	54.0 -8.5	Vert
^ 4960.513M 35.1 +0.0 +8.4 +6.1 -39.6 +0.0 44.2 54.0 -9.8 Vert +0.4 +33.5 +0.0 +0.0 +0.0 Ho.0 +0.0 EE_H 253 4964.607M 25.6 +0.0 +8.4 +6.1 -39.6 +0.0 34.7 54.0 -19.3 Vert Ave +0.4 +33.5 +0.3 +0.0 R7_A1_MA673_D TS ^ 4964.574M 40.7 +0.0 +8.4 +6.1 -39.6 +0.0 49.8 54.0 -4.2 Vert +0.4 +33.5 +0.3 +0.0 Ho.0			+0.4	+33.5	+0.3	+0.0			R7_A1_R8_A2_M	
+0.4 +33.5 +0.3 +0.0			+0.0	+0.0	+0.0	+0.0			A673_BLE_H_H2	
+0.0 +0.0 +0.0 +0.0 +0.0 LE_H 253 4964.607M 25.6 +0.0 +8.4 +6.1 -39.6 +0.0 34.7 54.0 -19.3 Vert Ave	^ 4960.513M	35.1	+0.0	+8.4	+6.1	-39.6	+0.0	44.2	54.0 -9.8	Vert
253 4964.607M			+0.4	+33.5	+0.3	+0.0			R7_A3_MA673_B	
Ave			+0.0	+0.0	+0.0	+0.0			LE_H	
+0.0 +0.0 +0.0 +0.0 TS ^ 4964.574M	253 4964.607M	25.6	+0.0	+8.4	+6.1	-39.6	+0.0	34.7	54.0 -19.3	Vert
^ 4964.574M 40.7 +0.0 +8.4 +6.1 -39.6 +0.0 49.8 54.0 -4.2 Vert +0.4 +33.5 +0.3 +0.0 R8_A1_MA673_D R8_A1_MA673_D TS ^ 4964.567M 40.5 +0.0 +8.4 +6.1 -39.6 +0.0 49.6 54.0 -4.4 Vert +0.4 +33.5 +0.3 +0.0 R8_A2_MA673_D TS ^ 4964.513M 40.1 +0.0 +8.4 +6.1 -39.6 +0.0 49.2 54.0 -4.8 Vert +0.4 +33.5 +0.3 +0.0 R7_A1_R8_A2_M R7_A1_R8_A2_M A673_BLE_H2_DT	Ave		+0.4	+33.5	+0.3	+0.0			R7_A1_MA673_D	
+0.4 +33.5 +0.3 +0.0			+0.0	+0.0	+0.0	+0.0			TS	
+0.0 +0.0 +0.0 +0.0 TS ^ 4964.567M	^ 4964.574M	40.7	+0.0	+8.4	+6.1	-39.6	+0.0	49.8	54.0 -4.2	Vert
^ 4964.567M 40.5 +0.0 +8.4 +6.1 -39.6 +0.0 49.6 54.0 -4.4 Vert +0.4 +33.5 +0.3 +0.0 R8_A2_MA673_D +0.0 +0.0 +0.0 TS ^ 4964.513M 40.1 +0.0 +8.4 +6.1 -39.6 +0.0 49.2 54.0 -4.8 Vert +0.4 +33.5 +0.3 +0.0 R7_A1_R8_A2_M +0.0 +0.0 +0.0 +0.0 A673_BLE_H2_DT			+0.4	+33.5	+0.3	+0.0			R8_A1_MA673_D	
+0.4 +33.5 +0.3 +0.0 R8_A2_MA673_D +0.0 +0.0 +0.0 +0.0 TS ^ 4964.513M 40.1 +0.0 +8.4 +6.1 -39.6 +0.0 49.2 54.0 -4.8 Vert +0.4 +33.5 +0.3 +0.0 R7_A1_R8_A2_M +0.0 +0.0 +0.0 +0.0 +0.0 A673_BLE_H2_DT			+0.0	+0.0	+0.0	+0.0			TS	
+0.4 +33.5 +0.3 +0.0 R8_A2_MA673_D +0.0 +0.0 +0.0 +0.0 TS ^ 4964.513M 40.1 +0.0 +8.4 +6.1 -39.6 +0.0 49.2 54.0 -4.8 Vert +0.4 +33.5 +0.3 +0.0 R7_A1_R8_A2_M +0.0 +0.0 +0.0 +0.0 +0.0 A673_BLE_H2_DT	^ 4964.567M	40.5	+0.0	+8.4		-39.6	+0.0	49.6	54.0 -4.4	Vert
+0.0 +0.0 +0.0 +0.0 TS ^ 4964.513M			+0.4	+33.5	+0.3	+0.0			R8_A2_MA673_D	
+0.4 +33.5 +0.3 +0.0 R7_A1_R8_A2_M +0.0 +0.0 +0.0 +0.0 A673_BLE_H2_DT			+0.0	+0.0	+0.0	+0.0				
+0.0 +0.0 +0.0 +0.0 A673_BLE_H2_DT	^ 4964.513M	40.1	+0.0	+8.4	+6.1	-39.6	+0.0	49.2	54.0 -4.8	Vert
+0.0 +0.0 +0.0 +0.0 A673_BLE_H2_DT			+0.4	+33.5	+0.3	+0.0			R7_A1_R8_A2_M	
S			+0.0	+0.0	+0.0	+0.0				
~									S	
^ 4964.607M	^ 4964.607M	39.1	+0.0	+8.4	+6.1	-39.6	+0.0	48.2	54.0 -5.8	Vert
+0.4 +33.5 +0.3 +0.0 R7_A1_MA673_D			+0.4	+33.5	+0.3	+0.0				
+0.0 +0.0 +0.0 +0.0 TS			+0.0	+0.0	+0.0	+0.0			TS	



Test Location: CKC Laboratories, Inc. • 110 N. Olinda Place • Brea, CA 92823 • 714 993-6112

Customer: Walt Disney Parks and Resorts US, Inc.

Specification: 15.247(d) / 15.209 Radiated Spurious Emissions

Work Order #: 101978 Date: 12/25/2018
Test Type: Radiated Scan Time: 13:30:23
Tested By: S. Yamamoto Sequence#: 5

Software: EMITest 5.03.11

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 1			

Support Equipment:

Device	Manufacturer	Model #	S/N	
Configuration 1				

Test Conditions / Notes:

The EUT is placed on the Styrofoam block. ETHO is connected to remotely located support POE, Switch and laptop. ETH1 is connected to a section of UTP, USB ports are connected to section of USB cable, GPIO ports are terminated to simulated loads. RX port connects to a Dipole antenna. Micro USB Service port left unpopulated

Remote laptop runs test software to set the EUT into test mode.

Evaluation for Permissive Change II equipment authorization process with various antenna type and configurations. FCCID: 2AJS4-RN-R1G1

Radio port 7 and radio port 8 are connected to the antenna in accordance with available configuration.

Protocol:

BLE, 2402MHz, 2440MHz, 2480MHz DTS (proprietary): 2482MHz single channel

Ant1: PA2X2, 8dBi + 2 x 10ft Pasternack RG223/ U 2 with 6dB loss at 2440MHz

Ant2: MA510, 3.9dBi Ant3:MA673, 4.1 dBi

Ant4: HG2458, 13dBi + 2 x 10ft Pasternack RG223/ U 2 with 6dB loss at 2440MHz

Firmware power setting 0 dBm

Antenna under investigation: HG2458

Frequency range of measurement = 9 kHz - 25 GHz.

9 kH -150 kHz;RBW=200 Hz,VBW=200 Hz;150 kHz-30 MHz;RBW=9 kHz,VBW=9 kHz;30 MHz-1000 MHz;RBW=120 kHz,VBW=120 kHz,1000 MHz-25000MHz MHz;RBW=1 MHz,VBW=1 MHz.

Test environment conditions:

Temperature: 18°C, Relative Humidity: 53%, Pressure: 99kPa

Test method in accordance with FCC document: 558074 558074 D01 15.247 Meas Guidance v05. Investigation in all orientation, worst case orientation presented.

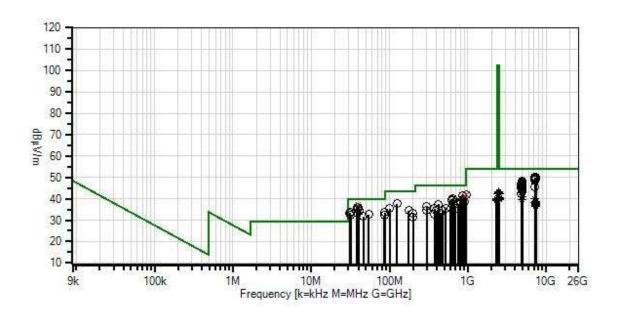
Site D

ANSI C63.10-2013

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Walt Disney Parks and Resorts US, Inc. WO#: 101978 Sequence#: 5 Date: 12/25/2018 15.247(d) / 15.209 Radiated Spurious Emissions Test Distance: 3 Meters Horiz



- × QP Readings
 ▼ Ambient
- 1 15.247(d) / 15.209 Radiated Spurious Emissions
- O Peak Readings
- Average Readings Software Version: 5.03.11



Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
T1	AN02869	Spectrum Analyzer	E4440A	8/10/2018	8/10/2019
T2	ANP04382	Cable	LDF-50	6/2/2018	6/2/2020
T3	ANP07138	Cable	ANDL1-	3/1/2017	3/1/2019
			PNMNM-60		
T4	AN00787	Preamp	83017A	6/9/2017	6/9/2019
T5	ANP07247	Cable	32022-29094K-	7/5/2018	7/5/2020
			29094K-24TC		
T6	AN01646	Horn Antenna	3115	3/14/2018	3/14/2020
T7	AN03385	High Pass Filter	11SH10-	6/2/2017	6/2/2019
			3000/T10000-		
			0/0		
T8	AN01994	Biconilog Antenna	CBL6111C	4/23/2018	4/23/2020
Т9	ANP05283	Attenuator	ATT-0218-06-	4/5/2018	4/5/2020
			NNN-02		
T10	ANP01911	Cable-Amplitude +15C	RG214/U	1/8/2018	1/8/2020
		to +45C (dB)			
T11	AN00010	Preamp	8447D	2/19/2018	2/19/2020
T12	ANP06978	Cable	Sucoflex 104A	3/31/2018	3/31/2020
T13	AN03430	Attenuator	75A-10-12	12/19/2017	12/19/2019
	AN00314	Loop Antenna	6502	5/13/2018	5/13/2020
	AN01413	Horn Antenna-ANSI	84125-80008	10/17/2018	10/17/2020
		C63.5 (dB/m)			
	AN03367	Horn Antenna-ANSI	62-GH-62-25.	8/24/2017	8/24/2019
		C63.5 Calibration			

Measu	irement Data:	Re	eading lis	ted by ma	argin.		Те	est Distanc	e: 3 Meters		
#	Freq	Rdng	T1	T2	Т3	T4	Dist	Corr	Spec	Margin	Polar
			T5	T6	T7	T8					
			T9	T10	T11	T12					
			T13								
	MHz	dΒμV	dB	dB	dB	dB	Table	$dB\mu V/m$	$dB\mu V/m$	dB	Ant
1		43.9	+0.0	+0.6	+0.0	+0.0	+0.0	37.2	40.0	-2.8	Vert
	QP		+0.0	+0.0	+0.0	+13.4			R7_A1_H0	G2458_B	
			+5.8	+0.6	-27.1	+0.0			LE_LMH,	R7_A1_	
			+0.0						HG2458_I	DTS	
^	39.567M	44.5	+0.0	+0.6	+0.0	+0.0	+0.0	37.8	40.0	-2.2	Vert
			+0.0	+0.0	+0.0	+13.4			R7_A1_H0	G2458_B	
			+5.8	+0.6	-27.1	+0.0			LE_LMH,l	R7_A1_	
			+0.0						HG2458_I	DTS	
3	7445.514M	34.1	+0.0	+11.1	+7.7	-39.7	+0.0	50.0	54.0	-4.0	Horiz
			+0.2	+36.4	+0.2	+0.0			R7_A2_H0	G2458_D	
			+0.0	+0.0	+0.0	+0.0			TS		
			+0.0								
4	950.004M	32.5	+0.0	+3.4	+0.0	+0.0	+0.0	42.0	46.0	-4.0	Horiz
			+0.0	+0.0	+0.0	+24.0			R7_A1_H0	G2458_B	
			+5.9	+3.3	-27.4	+0.3			LE_LMH,	R7_A1_	
			+0.0						HG2458_I	DTS	

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5	40.319M	43.1	+0.0	+0.6	+0.0	+0.0	+0.0	36.0	40.0 -4.0	Vert
3	40.319101	43.1	+0.0	+0.0	+0.0	+13.0	+0.0	30.0	R7_A1_HG2458_B	vert
			+5.8	+0.6	-27.1	+13.0 $+0.0$			LE_LMH,R7_A1_	
			+0.0	+0.0	-2/.1	+0.0			HG2458_DTS	
	7210 (27) (25.0		. 10.7	.7.5	20.6	. 0. 0	50.0		TT'
6	7218.627M	35.2	+0.0	+10.7	+7.5	-39.6	+0.0	50.0	54.0 -4.0	Horiz
			+0.1	+35.9	+0.2	+0.0			R7_A1_R8_A2_H	
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_L_L2	
	7440 7503 6	24.0	+0.0	11.1		20.7	0.0	10.0	540 41	T. 7 .
7	7440.758M	34.0	+0.0	+11.1	+7.7	-39.7	+0.0	49.9	54.0 -4.1	Vert
			+0.2	+36.4	+0.2	+0.0			R7_A4_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
			+0.0							
8	38.808M	42.2	+0.0	+0.6	+0.0	+0.0	+0.0	35.9	40.0 -4.1	Vert
			+0.0	+0.0	+0.0	+13.8			R7_A1_HG2458_B	
			+5.8	+0.6	-27.1	+0.0			LE_LMH,R7_A1_	
			+0.0						HG2458_DTS	
9	950.002M	32.3	+0.0	+3.4	+0.0	+0.0	+0.0	41.8	46.0 -4.2	Vert
	QP		+0.0	+0.0	+0.0	+24.0			R7_A1_HG2458_B	
			+5.9	+3.3	-27.4	+0.3			LE_LMH,R7_A1_	
			+0.0						HG2458_DTS	
^	950.002M	33.0	+0.0	+3.4	+0.0	+0.0	+0.0	42.5	46.0 -3.5	Vert
			+0.0	+0.0	+0.0	+24.0			R7_A1_HG2458_B	
			+5.9	+3.3	-27.4	+0.3			LE_LMH,R7_A1_	
			+0.0						HG2458_DTS	
11	7445.433M	33.8	+0.0	+11.1	+7.7	-39.7	+0.0	49.7	54.0 -4.3	Vert
			+0.2	+36.4	+0.2	+0.0			R7_A4_HG2458_D	
			+0.0	+0.0	+0.0	+0.0			TS	
			+0.0							
12	7320.653M	34.6	+0.0	+10.8	+7.6	-39.8	+0.0	49.7	54.0 -4.3	Vert
			+0.1	+36.2	+0.2	+0.0			R7_A3_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_M	
			+0.0						_	
13	7440.275M	33.8	+0.0	+11.1	+7.7	-39.7	+0.0	49.7	54.0 -4.3	Horiz
			+0.2	+36.4	+0.2	+0.0			R7_A1_R8_A2_H	
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_H_H2	
			+0.0	. 0.0	. 0.0	. 0.0				
14	7320.765M	34.5	+0.0	+10.8	+7.6	-39.8	+0.0	49.6	54.0 -4.4	Horiz
•	. 2 2 3 . 7 3 2 1 . 1	2 1.0	+0.1	+36.2	+0.2	+0.0	. 0.0	.,.0	R8_A1_HG2458_B	110112
			+0.0	+0.0	+0.0	+0.0			LE_M	
			+0.0	. 0.0	. 0.0	. 0.0				
15	7441.000M	33.7	+0.0	+11.1	+7.7	-39.7	+0.0	49.6	54.0 -4.4	Vert
13	, ++1.0001/1	23.1	+0.0	+36.4	+0.2	+0.0	10.0	77.0	R8_A3_HG2458_B	V C11
			+0.2	+0.0	+0.2	+0.0			LE_H	
			+0.0	10.0	10.0	10.0			DD_11	
16	7446.193M	33.6	+0.0	+11.1	+7.7	-39.7	+0.0	49.5	54.0 -4.5	Horiz
10	/440.193W	33.0					+0.0	49.3		HOHZ
			+0.2	+36.4	+0.2	+0.0			R7_A1_R8_A2_H	
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_H2_D	
			+0.0						TS	



	00.015M	33.0	+0.0	+3.2	+0.0	+0.0	+0.0	41.4	46.0 -4.6	Vert
QP			+0.0	+0.0	+0.0	+23.4			R7_A1_HG2458_B	
			+5.9	+3.1	-27.5	+0.3			LE_LMH,R7_A1_	
	000155		+0.0						HG2458_DTS	
^ 90	00.015M	34.7	+0.0	+3.2	+0.0	+0.0	+0.0	43.1	46.0 -2.9	Vert
			+0.0	+0.0	+0.0	+23.4			R7_A1_HG2458_B	
			+5.9	+3.1	-27.5	+0.3			LE_LMH,R7_A1_	
10.74	40.00014	22.4	+0.0	, 11 1	.77	20.7	100	40.2	HG2458_DTS	II'
19 /44	40.969M	33.4	+0.0	+11.1 +36.4	+7.7 +0.2	-39.7 +0.0	+0.0	49.3	54.0 -4.7	Horiz
			+0.2 +0.0	+30.4	+0.2	+0.0			R8_A1_HG2458_B LE_H	
			+0.0 +0.0	+0.0	+0.0	+0.0			LE_N	
20. 74	45.530M	33.4	+0.0	+11.1	+7.7	-39.7	+0.0	49.3	54.0 -4.7	Vert
20 /4	43.330W	33.4	+0.0	+36.4	+0.2	+0.0	+0.0	49.3	R7_A3_HG2458_D	VCIT
			+0.2	+30.4	+0.2	+0.0 +0.0			TS	
			+0.0	10.0	10.0	10.0				
21 85	50.004M	33.5	+0.0	+3.2	+0.0	+0.0	+0.0	41.3	46.0 -4.7	Vert
21 00	2 2.00 1111	33.3	+0.0	+0.0	+0.0	+23.0	. 0.0	.1.5	R7_A1_HG2458_B	, 511
			+5.9	+3.0	-27.6	+0.3			LE_LMH,R7_A1_	
			+0.0		,				HG2458_DTS	
22 720	07.021M	34.5	+0.0	+10.7	+7.5	-39.6	+0.0	49.2	54.0 -4.8	Horiz
			+0.1	+35.8	+0.2	+0.0			R7_A1_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
			+0.0							
23 720	06.603M	34.5	+0.0	+10.7	+7.5	-39.6	+0.0	49.2	54.0 -4.8	Horiz
			+0.1	+35.8	+0.2	+0.0			R7_A1_R8_A2_H	
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_L_L2	
			+0.0							
24 74	46.782M	33.3	+0.0	+11.1	+7.7	-39.7	+0.0	49.2	54.0 -4.8	Horiz
			+0.2	+36.4	+0.2	+0.0			R8_A2_HG2458_D	
			+0.0	+0.0	+0.0	+0.0			TS	
25.5:	20.2027	22.2	+0.0	11.1		20.5	0.0	40.4	540	** .
25 742	28.398M	33.2	+0.0	+11.1	+7.7	-39.7	+0.0	49.1	54.0 -4.9	Horiz
			+0.2	+36.4	+0.2	+0.0			R7_A1_R8_A2_H	
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_H_H2	
26 2	20.21714	41.7	+0.0	10.6	100	100	100	25 1	40.0 4.0	Vant
26 3	39.317M	41.7	+0.0	+0.6	+0.0	+0.0	+0.0	35.1	40.0 -4.9	Vert
			+0.0 +5.8	$+0.0 \\ +0.6$	+0.0 -27.1	+13.5 +0.0			R7_A1_HG2458_B LE_LMH,R7_A1_	
			+3.8	+0.0	-2/.1	+0.0			HG2458_DTS	
27 743	39.435M	33.1	+0.0	+11.1	+7.7	-39.7	+0.0	49.0	54.0 -5.0	Vert
2/ /4.	J/.TJJ1V1	JJ.1	+0.0	+36.4	+0.2	+0.0	10.0	₹2.0	R8_A4_HG2458_B	v CI t
			+0.0	+0.0	+0.0	+0.0			LE_H	
			+0.0	. 0.0	. 0.0	. 0.0			<u>-</u> -	
28 74	46.560M	33.1	+0.0	+11.1	+7.7	-39.7	+0.0	49.0	54.0 -5.0	Vert
			+0.2	+36.4	+0.2	+0.0		.,.0	R8_A4_HG2458_D	. 320
			+0.0	+0.0	+0.0	+0.0			TS	
			+0.0							
29 74	45.305M	33.1	+0.0	+11.1	+7.7	-39.7	+0.0	49.0	54.0 -5.0	Vert
			+0.2	+36.4	+0.2	+0.0			R8_A3_HG2458_D	
			+0.0	+0.0	+0.0	+0.0			TS	
			+0.0							
·										

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20	7206.883M	24.1	+ O O	+10.7	.7.5	20.6	+0.0	40.0	540 52	IIi.
30	/200.883WI	34.1	+0.0	+10.7	+7.5	-39.6	+0.0	48.8	54.0 -5.2	Horiz
			$+0.1 \\ +0.0$	+35.8	+0.2	+0.0			R8_A1_HG2458_B	
			+0.0 +0.0	+0.0	+0.0	+0.0			LE_L	
31	41.043M	42.1	+0.0	+0.6	+0.0	+0.0	+0.0	34.7	40.0 -5.3	Vert
31	41.045WI	42.1	+0.0	+0.0	+0.0 +0.0	+12.7	+0.0	34.7	R7_A1_HG2458_B	vert
			+5.8	+0.6	-27.1	+0.0			LE_LMH,R7_A1_	
			+0.0	10.0	-27.1	10.0			HG2458_DTS	
32	7205.430M	34.0	+0.0	+10.7	+7.5	-39.6	+0.0	48.7	54.0 -5.3	Vert
			+0.1	+35.8	+0.2	+0.0			R7_A4_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
			+0.0						_	
33	4951.585M	39.2	+0.0	+8.4	+6.1	-39.6	+0.0	48.3	54.0 -5.7	Horiz
			+0.4	+33.5	+0.3	+0.0			R7_A1_R8_A2_H	
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_H2_D	
			+0.0						TS	
34	40.572M	41.4	+0.0	+0.6	+0.0	+0.0	+0.0	34.2	40.0 -5.8	Vert
			+0.0	+0.0	+0.0	+12.9			R7_A1_HG2458_B	
			+5.8	+0.6	-27.1	+0.0			LE_LMH,R7_A1_	
			+0.0						HG2458_DTS	
35	649.995M	36.3	+0.0	+2.7	+0.0	+0.0	+0.0	40.2	46.0 -5.8	Horiz
			+0.0	+0.0	+0.0	+20.5			R7_A1_HG2458_B	
			+5.8	+2.6	-28.0	+0.3			LE_LMH,R7_A1_	
			+0.0						HG2458_DTS	
36	125.001M	45.0	+0.0	+1.1	+0.0	+0.0	+0.0	37.7	43.5 -5.8	Vert
			+0.0	+0.0	+0.0	+11.6			R7_A1_HG2458_B	
			+5.8	+1.0	-26.9	+0.1			LE_LMH,R7_A1_	
	40.50 (20) 5	20.0	+0.0	0.4		20.5	0.0	45.0	HG2458_DTS	** '
37	4959.620M	38.8	+0.0	+8.4	+6.1	-39.6	+0.0	47.9	54.0 -6.1	Horiz
			+0.4	+33.5	+0.3	+0.0			R7_A1_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
38	625.008M	26.0	+0.0	+2.7	+0.0	+0.0	+0.0	39.7	46.0 -6.3	Horiz
38	625.008M	36.0	+0.0			+0.0	+0.0	39.7		HOUZ
			+0.0 +5.8	+0.0 +2.5	+0.0 -28.0	+20.4 +0.3			R7_A1_HG2458_B LE_LMH,R7_A1_	
			+0.0	<i>⊤∠.</i> J	-20.0	+0.3			HG2458_DTS	
39	850.007M	31.8	+0.0	+3.2	+0.0	+0.0	+0.0	39.6	46.0 -6.4	Horiz
	0.50.00/1 v 1	21.0	+0.0	+0.0	+0.0	+23.0	10.0	37.0	R7_A1_HG2458_B	110112
			+5.9	+3.0	-27.6	+0.3			LE_LMH,R7_A1_	
			+0.0		_,,,	. 0.0			HG2458_DTS	
40	87.487M	44.3	+0.0	+0.9	+0.0	+0.0	+0.0	33.5	40.0 -6.5	Vert
			+0.0	+0.0	+0.0	+8.5			R7_A1_HG2458_B	•
			+5.8	+0.9	-27.0	+0.1			LE_LMH,R7_A1_	
			+0.0						HG2458_DTS	
41	31.550M	36.2	+0.0	+0.4	+0.0	+0.0	+0.0	33.5	40.0 -6.5	Vert
			+0.0	+0.0	+0.0	+0.0			R7_A1_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_LMH,R7_A1_	
			+0.0						HG2458_DTS	
42	4880.457M	39.0	+0.0	+8.2	+6.1	-39.7	+0.0	47.5	54.0 -6.5	Vert
			+0.4	+33.2	+0.3	+0.0			R7_A3_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_M	
			+0.0							

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43	31.300M	35.9	+0.0	+0.4	+0.0	+0.0	+0.0	33.4	40.0 -6.6	Vert
			+0.0	+0.0	+0.0	+17.9			R7_A1_HG2458_B	
			+5.8	+0.5	-27.1	+0.0			LE_LMH,R7_A1_	
			+0.0						HG2458_DTS	
44	38.583M	39.6	+0.0	+0.6	+0.0	+0.0	+0.0	33.4	40.0 -6.6	Vert
			+0.0	+0.0	+0.0	+13.9			R7_A1_HG2458_B	
			+5.8	+0.6	-27.1	+0.0			LE_LMH,R7_A1_	
			+0.0						HG2458_DTS	
45	4959.585M	38.2	+0.0	+8.4	+6.1	-39.6	+0.0	47.3	54.0 -6.7	Vert
			+0.4	+33.5	+0.3	+0.0			R7_A3_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
4.5	10 5 1 70 23 5	20.2	+0.0	0.4		20.6		47.0		**
46	4964.503M	38.2	+0.0	+8.4	+6.1	-39.6	+0.0	47.3	54.0 -6.7	Vert
			+0.4	+33.5	+0.3	+0.0			R7_A4_HG2458_D	
			+0.0	+0.0	+0.0	+0.0			TS	
	1000 5503 5	20. 1	+0.0	0.2		20.7	0.0	47.1	540 5 2	T 7
47	4880.773M	38.6	+0.0	+8.2	+6.1	-39.7	+0.0	47.1	54.0 -6.9	Vert
			+0.4	+33.2	+0.3	+0.0			R7_A4_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_M	
40	1000 1053 5	27.0	+0.0	.0.4	1	20. 6	.0.0	47.0	540 7.0	TT .
48	4960.485M	37.9	+0.0	+8.4	+6.1	-39.6	+0.0	47.0	54.0 -7.0	Horiz
			+0.4	+33.5	+0.3	+0.0			R7_A1_R8_A2_H	
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_H_H2	
40	(25,002) (25.2	+0.0	2.7	0.0	0.0	0.0	20.0	460 70	T 7 .
49	625.002M	35.3	+0.0	+2.7	+0.0	+0.0	+0.0	39.0	46.0 -7.0	Vert
			+0.0	+0.0	+0.0	+20.4			R7_A1_HG2458_B	
			+5.8	+2.5	-28.0	+0.3			LE_LMH,R7_A1_	
	4004.5223.6	20.0	+0.0	0.0	1	20.0	0.0	47.0	HG2458_DTS	T 7 .
50	4804.533M	38.8	+0.0	+8.0	+6.1	-39.8	+0.0	47.0	54.0 -7.0	Vert
			+0.4	+33.2	+0.3	+0.0			R7_A3_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
<i>5</i> 1	000 01214	20.5	+0.0	.2.2	.00	.00	. 0. 0	20.0	460 7.1	TT'
51	900.012M	30.5	+0.0	+3.2	+0.0	+0.0	+0.0	38.9	46.0 -7.1	Horiz
			+0.0	+0.0	+0.0	+23.4			R7_A1_HG2458_B	
			+5.9	+3.1	-27.5	+0.3			LE_LMH,R7_A1_ HG2458_DTS	
F2	1062 1051 1	27.0	+0.0	1 O A	1	20.6	100	160	_	Vart
32	4963.485M	37.8	+0.0	+8.4	+6.1	-39.6	+0.0	46.9	54.0 -7.1	Vert
			+0.4	+33.5	+0.3	+0.0			R7_A3_HG2458_D TS	
			+0.0 +0.0	+0.0	+0.0	+0.0			10	
52	1063 517M	37 7		101	ı 6 1	20.6	+0.0	46.8	54.0 -7.2	Horiz
33	4963.547M	37.7	$+0.0 \\ +0.4$	+8.4 +33.5	+6.1 +0.3	-39.6	+0.0	40.8		Horiz
			+0.4 +0.0	+33.3	+0.5	$+0.0 \\ +0.0$			R7_A1_HG2458_D TS	
			+0.0 +0.0	+0.0	+0.0	+0.0			10	
54	800.006M	31.9	+0.0	+3.0	+0.0	+0.0	+0.0	38.8	46.0 -7.2	Horiz
34	000.000101	31.9	+0.0 +0.0		+0.0	+22.5	+0.0	30.0		HOHZ
				+0.0					R7_A1_HG2458_B	
			+5.9 +0.0	+2.9	-27.7	+0.3			LE_LMH,R7_A1_ HG2458_DTS	
55	4050 612M	37.6		ı O 1	161	20 6	ΙΩΩ	167	54.0 -7.3	Vant
33	4959.613M	37.0	+0.0	+8.4	+6.1	-39.6	+0.0	46.7		Vert
			$+0.4 \\ +0.0$	+33.5	+0.3	+0.0			R7_A4_HG2458_B	
				+0.0	+0.0	+0.0			LE_H	
			+0.0							

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	10.00 5003.5	25.7	6.0			200 -	0.0			** .
56	4959.690M	37.5	+0.0	+8.4	+6.1	-39.6	+0.0	46.6	54.0 -7.4	Horiz
			+0.4	+33.5	+0.3	+0.0			R7_A2_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
57	54.255M	45.5	+0.0	+0.7	+0.0	+0.0	+0.0	32.6	40.0 -7.4	Vert
31	34.233WI	43.3	$+0.0 \\ +0.0$	+0.7	+0.0	+0.0 +7.1	+0.0	32.0	R7_A1_HG2458_B	vert
			+5.8	+0.6	-27.1	+0.0			LE_LMH,R7_A1_	
			+0.0	+0.0	-27.1	+0.0			HG2458 DTS	
58	31.800M	35.1	+0.0	+0.4	+0.0	+0.0	+0.0	32.3	40.0 -7.7	Vert
50	31.00011	33.1	+0.0	+0.0	+0.0	+17.6	10.0	32.3	R7_A1_HG2458_B	V 01 t
			+5.8	+0.5	-27.1	+0.0			LE_LMH,R7_A1_	
			+0.0						HG2458_DTS	
59	4804.550M	38.0	+0.0	+8.0	+6.1	-39.8	+0.0	46.2	54.0 -7.8	Horiz
			+0.4	+33.2	+0.3	+0.0			R7_A1_R8_A2_H	
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_L_L2	
			+0.0							
60	4804.605M	38.0	+0.0	+8.0	+6.1	-39.8	+0.0	46.2	54.0 -7.8	Vert
			+0.4	+33.2	+0.3	+0.0			R7_A4_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
			+0.0							
61	86.096M	43.2	+0.0	+0.9	+0.0	+0.0	+0.0	32.2	40.0 -7.8	Vert
			+0.0	+0.0	+0.0	+8.3			R7_A1_HG2458_B	
			+5.8	+0.9	-27.0	+0.1			LE_LMH,R7_A1_	
(2)	1070 55134	27.6	+0.0	.0.2	1	20.7	100	1 1	HG2458_DTS	II'
62	4879.551M	37.6	+0.0	+8.2	+6.1	-39.7	+0.0	46.1	54.0 -7.9	Horiz
			$+0.4 \\ +0.0$	+33.2 +0.0	+0.3 +0.0	$+0.0 \\ +0.0$			R7_A2_HG2458_B LE_M	
			+0.0	+0.0	+0.0	+0.0			LL_WI	
63	4811.838M	37.8	+0.0	+8.0	+6.1	-39.8	+0.0	46.0	54.0 -8.0	Vert
03	4011.030W	37.0	+0.4	+33.2	+0.3	+0.0	10.0	40.0	R7_A1_R8_A2_H	VCIT
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_L_L2	
			+0.0						0-100	
64	4803.621M	37.8	+0.0	+8.0	+6.1	-39.8	+0.0	46.0	54.0 -8.0	Horiz
			+0.4	+33.2	+0.3	+0.0			R7_A2_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
			+0.0							
65	800.004M	31.0	+0.0	+3.0	+0.0	+0.0	+0.0	37.9	46.0 -8.1	Vert
			+0.0	+0.0	+0.0	+22.5			R7_A1_HG2458_B	
			+5.9	+2.9	-27.7	+0.3			LE_LMH,R7_A1_	
			+0.0						HG2458_DTS	
66	100.001M	44.5	+0.0	+1.0	+0.0	+0.0	+0.0	35.4	43.5 -8.1	Vert
			+0.0	+0.0	+0.0	+10.1			R7_A1_HG2458_B	
			+5.8	+0.9	-27.0	+0.1			LE_LMH,R7_A1_	
67	16 502N	41.0	+0.0	10.7	100	10.0	ι Ο Ο	21.0	HG2458_DTS	Vant
67	46.593M	41.9	+0.0	+0.7	+0.0	+0.0	+0.0	31.8	40.0 -8.2	Vert
			+0.0	+0.0	+0.0 -27.1	+9.9			R7_A1_HG2458_B	
			+5.8 +0.0	+0.6	-2/.1	+0.0			LE_LMH,R7_A1_ HG2458_DTS	
68	4803.377M	37.5	+0.0	+8.0	+6.1	-39.8	+0.0	45.7	54.0 -8.3	Vert
UO	+0U3.3//WI	51.5	+0.0	+33.2	+0.1	-39.8 +0.0	+0.0	43.7	R7_A2_HG2458_B	v ei i
			+0.4 +0.0	+33.2	+0.3	+0.0 +0.0			К/_A2_HG2438_B LE_L	
			+0.0	10.0	10.0	10.0			<i></i>	
			10.0							

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69 750.005M	32.0	+0.0	+2.9	+0.0	+0.0	+0.0	37.7	46.0 -8.3	Horiz
		+0.0	+0.0	+0.0	+21.6			R7_A1_HG2458_B	
		+5.9	+2.8	-27.8	+0.3			LE_LMH,R7_A1_	
7 0 4062 7 123 7	0.7.7	+0.0						HG2458_DTS	** .
70 4963.712M	36.6	+0.0	+8.4	+6.1	-39.6	+0.0	45.7	54.0 -8.3	Horiz
		+0.4	+33.5	+0.3	+0.0			R7_A2_HG2458_D	
		+0.0	+0.0	+0.0	+0.0			TS	
		+0.0							
71 750.004M	31.9	+0.0	+2.9	+0.0	+0.0	+0.0	37.6	46.0 -8.4	Vert
		+0.0	+0.0	+0.0	+21.6			R7_A1_HG2458_B	
		+5.9	+2.8	-27.8	+0.3			LE_LMH,R7_A1_	
72 4004 00014	27.2	+0.0	0.0	1	20.0	0.0	45.5	HG2458_DTS	T.7 .
72 4804.000M	37.3	+0.0	+8.0	+6.1	-39.8	+0.0	45.5	54.0 -8.5	Vert
Ave		+0.4	+33.2	+0.3	+0.0			R8_A4_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_L	
72 404 0053 5	20.2	+0.0	. 2 2	.0.0	. 0. 0	. 0. 0	27.5	460 0 7	X7 ·
73 424.995M	38.2	+0.0	+2.2	+0.0	+0.0	+0.0	37.5	46.0 -8.5	Vert
		+0.0	+0.0	+0.0	+16.5			R7_A1_HG2458_B	
		+5.8	+2.1	-27.5	+0.2			LE_LMH,R7_A1_	
74 4904 (05) 4	27.2	+0.0	ΙΟ Λ	₁ < 1	20.0	100	15 1	HG2458_DTS	IIo::!-
74 4804.605M	37.2	+0.0	+8.0	+6.1	-39.8	+0.0	45.4	54.0 -8.6	Horiz
		+0.4	+33.2	+0.3	+0.0			R8_A3_HG2458_B LE L	
		+0.0	+0.0	+0.0	+0.0			LC_L	
75 7206.005M	30.7	+0.0	10.7	175	20 6	+0.0	45.4	54.0 -8.6	Uori-
73 /200.003M	30.7	+0.0 +0.1	+10.7 $+35.8$	+7.5 +0.2	-39.6 +0.0	+0.0	43.4	54.0 -8.6 R7_A3_HG2458_B	Horiz
		+0.1	+33.8	+0.2 +0.0	+0.0 +0.0			К/_A3_HG2438_B LE_L	
		+0.0	+0.0	+0.0	+0.0			LE_L	
76 4804.000M	37.2	+0.0	+8.0	+6.1	-39.8	+0.0	45.4	54.0 -8.6	Vert
Ave	31.2	+0.0	+33.2	+0.1	-39.8 +0.0	+0.0	43.4	R8_A3_HG2458_B	vert
Ave		+0.4	+0.0	+0.0	+0.0			LE_L	
		+0.0	+0.0	+0.0	+0.0			LL_L	
^ 4804.000M	47.8	+0.0	+8.0	+6.1	-39.8	+0.0	56.0	54.0 +2.0	Vert
4004.000IVI	47.0	+0.4	+33.2	+0.1	+0.0	+0.0	30.0	R8_A4_HG2458_B	VCIT
		+0.4	+0.0	+0.0	+0.0			LE_L	
		+0.0	10.0	10.0	10.0			<i>⊷</i> ∟∟	
^ 4804.000M	47.6	+0.0	+8.0	+6.1	-39.8	+0.0	55.8	54.0 +1.8	Vert
1000.700111	F7.U	+0.4	+33.2	+0.1	+0.0	10.0	22.0	R8_A3_HG2458_B	v 01 t
		+0.0	+0.0	+0.0	+0.0			LE_L	
		+0.0	. 0.0	10.0	. 0.0				
79 4951.993M	36.0	+0.0	+8.4	+6.1	-39.6	+0.0	45.1	54.0 -8.9	Vert
17 1751.775141	50.0	+0.4	+33.5	+0.1	+0.0	10.0	ਜ ੁ.1	R7_A1_R8_A2_H	v 01 t
		+0.0	+0.0	+0.0	+0.0			G2458_BLE_H_H2	
		+0.0	. 0.0	. 0.0	. 0.0			22.00_222_11_112	
80 650.002M	33.2	+0.0	+2.7	+0.0	+0.0	+0.0	37.1	46.0 -8.9	Vert
55 55 55 55 55	33.2	+0.0	+0.0	+0.0	+20.5	. 0.0	57.1	R7_A1_HG2458_B	. 010
		+5.8	+2.6	-28.0	+0.3			LE_LMH,R7_A1_	
		+0.0	. 2.0	20.0	10.5			HG2458_DTS	
81 4879.404M	36.6	+0.0	+8.2	+6.1	-39.7	+0.0	45.1	54.0 -8.9	Vert
01 1077.101111	20.0	+0.4	+33.2	+0.3	+0.0		.5.1	R7_A1_R8_A2_H	, 010
		+0.0	+0.0	+0.0	+0.0			G2458_BLE_M_M	
		+0.0	. 0.0	. 0.0					
		, 0.0							

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00	40.00.0003.4	25.0	.00	. 0. 4	1	20.6	.00	450	540	T7
	4960.000M	35.9	+0.0	+8.4	+6.1	-39.6	+0.0	45.0	54.0 -9.0	Vert
	Ave		$+0.4 \\ +0.0$	+33.5	+0.3	+0.0			R8_A3_HG2458_B	
			+0.0 +0.0	+0.0	+0.0	+0.0			LE_H	
83	175.008M	43.4	+0.0	+1.3	+0.0	+0.0	+0.0	34.4	43.5 -9.1	Vert
65	175.006WI	43.4	+0.0	+0.0	+0.0	+9.3	+0.0	34.4	R7_A1_HG2458_B	VCIT
			+5.8	+1.2	-26.7	+0.1			LE_LMH,R7_A1_	
			+0.0		20.7				HG2458_DTS	
84	4804.000M	36.7	+0.0	+8.0	+6.1	-39.8	+0.0	44.9	54.0 -9.1	Horiz
	Ave		+0.4	+33.2	+0.3	+0.0			R8_A2_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
			+0.0							
85	4804.000M	36.6	+0.0	+8.0	+6.1	-39.8	+0.0	44.8	54.0 -9.2	Horiz
	Ave		+0.4	+33.2	+0.3	+0.0			R8_A1_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
	4004.000**	46.7	+0.0	0.0	- 4	20.0	0.0		540	** '
۸	4804.000M	46.7	+0.0	+8.0	+6.1	-39.8	+0.0	54.9	54.0 +0.9	Horiz
			+0.4	+33.2	+0.3	+0.0			R8_A1_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
	4804.000M	46.3	+0.0	+8.0	+6.1	-39.8	+0.0	54.5	54.0 +0.5	Horiz
	4004.000WI	40.5	+0.0	+33.2	+0.1	+0.0	+0.0	34.3	R8_A2_HG2458_B	110112
			+0.4	+0.0	+0.0	+0.0			LE_L	
			+0.0	10.0	10.0	10.0			EE_E	
٨	4803.978M	38.4	+0.0	+8.0	+6.1	-39.8	+0.0	46.6	54.0 -7.4	Horiz
	.0021770111	20	+0.4	+33.2	+0.3	+0.0			R7_A1_HG2458_B	110112
			+0.0	+0.0	+0.0	+0.0			LE_L	
			+0.0						_	
89	4960.000M	35.5	+0.0	+8.4	+6.1	-39.6	+0.0	44.6	54.0 -9.4	Horiz
	Ave		+0.4	+33.5	+0.3	+0.0			R8_A1_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
			+0.0							
	4960.000M	35.3	+0.0	+8.4	+6.1	-39.6	+0.0	44.4	54.0 -9.6	Vert
	Ave		+0.4	+33.5	+0.3	+0.0			R8_A4_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
	40.00.0003.5	16.4	+0.0	.0.4	1	20. 6	.0.0		740 17	T7 .
٨	4960.000M	46.4	+0.0	+8.4	+6.1	-39.6	+0.0	55.5	54.0 +1.5	Vert
			+0.4	+33.5	+0.3	+0.0			R8_A3_HG2458_B	
			+0.0 +0.0	+0.0	+0.0	+0.0			LE_H	
٨	4960.000M	46.2	+0.0	ι Ο Λ	ı 6 1	20.6	10.0	55.2	54.0 +1.3	Vert
	4700.000M	40.2	+0.0 $+0.4$	+8.4 +33.5	+6.1 +0.3	-39.6 +0.0	+0.0	55.3	54.0 +1.3 R8_A4_HG2458_B	vert
			+0.4 +0.0	+33.3	+0.3	+0.0 +0.0			К6_A4_HG2436_B LE_H	
			+0.0	10.0	10.0	10.0			11	
93	4880.000M	35.8	+0.0	+8.2	+6.1	-39.7	+0.0	44.3	54.0 -9.7	Vert
	Ave	33.0	+0.4	+33.2	+0.3	+0.0		5	R8_A3_HG2458_B	, 511
	· ·		+0.0	+0.0	+0.0	+0.0			LE_M	
			+0.0	. 0.0	. 0.0					
94	300.001M	39.9	+0.0	+1.8	+0.0	+0.0	+0.0	36.2	46.0 -9.8	Horiz
			+0.0	+0.0	+0.0	+13.4			R7_A1_HG2458_B	
			+5.8	+1.6	-26.5	+0.2			LE_LMH,R7_A1_	
			+0.0						HG2458_DTS	

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05 40C4 000M	24.0	.00	+0.4	1	20.6	.0.0	44.0	540 100	II
95 4964.000M	34.9	$+0.0 \\ +0.4$	+8.4	+6.1 +0.3	-39.6	+0.0	44.0	54.0 -10.0	Horiz
Ave		+0.4	+33.5 +0.0	+0.3 +0.0	$^{+0.0}_{+0.0}$			R8_A1_HG2458_D TS	
		+0.0	+0.0	+0.0	+0.0			15	
96 200.008M	42.3	+0.0	+1.4	+0.0	+0.0	+0.0	33.3	43.5 -10.2	Vert
200.000IVI	12.3	+0.0	+0.0	+0.0	+9.0	10.0	33.3	R7_A1_HG2458_B	VOIT
		+5.8	+1.3	-26.6	+0.1			LE_LMH,R7_A1_	
		+0.0						HG2458_DTS	
97 699.973M	31.1	+0.0	+2.8	+0.0	+0.0	+0.0	35.6	46.0 -10.4	Horiz
		+0.0	+0.0	+0.0	+20.7			R7_A1_HG2458_B	
		+5.9	+2.7	-27.9	+0.3			LE_LMH,R7_A1_	
		+0.0						HG2458_DTS	
98 4964.000M	34.5	+0.0	+8.4	+6.1	-39.6	+0.0	43.6	54.0 -10.4	Vert
Ave		+0.4	+33.5	+0.3	+0.0			R8_A3_HG2458_D	
		+0.0	+0.0	+0.0	+0.0			TS	
		+0.0							
99 525.000M	34.1	+0.0	+2.5	+0.0	+0.0	+0.0	35.5	46.0 -10.5	Vert
		+0.0	+0.0	+0.0	+18.6			R7_A1_HG2458_B	
		+5.8	+2.3	-28.0	+0.2			LE_LMH,R7_A1_	
100 4000 000 4	25.0	+0.0	. 0. 2	1	20.7	. 0. 0	12.5	HG2458_DTS	TT'
100 4880.000M	35.0	+0.0	+8.2	+6.1	-39.7	+0.0	43.5	54.0 -10.5	Horiz
Ave		+0.4 +0.0	+33.2 +0.0	+0.3 +0.0	$^{+0.0}_{+0.0}$			R8_A1_HG2458_B LE_M	
		+0.0	+0.0	+0.0	+0.0			LL_WI	
101 4960.000M	34.3	+0.0	+8.4	+6.1	-39.6	+0.0	43.4	54.0 -10.6	Horiz
Ave	54.5	+0.4	+33.5	+0.3	+0.0	10.0	73.7	R8_A2_HG2458_B	HOHZ
7100		+0.0	+0.0	+0.0	+0.0			LE_H	
		+0.0	10.0	10.0	10.0			<i>EE_</i> 11	
^ 4960.000M	46.2	+0.0	+8.4	+6.1	-39.6	+0.0	55.3	54.0 +1.3	Horiz
		+0.4	+33.5	+0.3	+0.0			R8_A1_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_H	
		+0.0							
^ 4960.000M	45.3	+0.0	+8.4	+6.1	-39.6	+0.0	54.4	54.0 +0.4	Horiz
		+0.4	+33.5	+0.3	+0.0			R8_A2_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_H	
		+0.0							
104 4964.000M	34.2	+0.0	+8.4	+6.1	-39.6	+0.0	43.3	54.0 -10.7	Vert
Ave		+0.4	+33.5	+0.3	+0.0			R8_A4_HG2458_D	
		+0.0	+0.0	+0.0	+0.0			TS	
A 4054 00035	45.1	+0.0	0.4		20. 1	0.0		540	*7
^ 4964.000M	45.1	+0.0	+8.4	+6.1	-39.6	+0.0	54.2	54.0 +0.2	Vert
		+0.4	+33.5	+0.3	+0.0			R8_A3_HG2458_D	
		+0.0	+0.0	+0.0	+0.0			TS	
^ 4964.000M	110	+0.0	₁ O A	₁ ∠ 1	20.6	10.0	52.0	540 01	Vont
^ 4904.UUUM	44.8	$+0.0 \\ +0.4$	+8.4	+6.1 +0.3	-39.6 +0.0	+0.0	53.9	54.0 -0.1	Vert
		+0.4	$+33.5 \\ +0.0$	+0.5	+0.0 +0.0			R8_A4_HG2458_D TS	
		+0.0	+0.0	+0.0	+0.0			10	
^ 4964.002M	36.1	+0.0	+8.4	+6.1	-39.6	+0.0	45.2	54.0 -8.8	Vert
770 7. 0021 0 1	50.1	+0.4	+33.5	+0.1	+0.0	10.0	73.2	R7_A1_R8_A2_H	V C11
		+0.0	+0.0	+0.0	+0.0			G2458_BLE_H2_D	
		+0.0	. 0.0	. 0.0				TS	
		. 0.0						-~	

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100 500 000 5	22.0	.0.0	12.6	.0.0	.00	.0.0	25.2	460 107	TT- "
108 599.999M	32.0	$+0.0 \\ +0.0$	+2.6 +0.0	$+0.0 \\ +0.0$	+0.0 +20.3	+0.0	35.3	46.0 -10.7	Horiz
		+5.8	+0.0	-28.0	+20.3			R7_A1_HG2458_B LE_LMH,R7_A1_	
		+0.0	±2 .4	-20.0	+0.2			HG2458_DTS	
109 375.006M	37.1	+0.0	+2.0	+0.0	+0.0	+0.0	35.3	46.0 -10.7	Vert
109 373.000WI	37.1	+0.0	+0.0	+0.0	+15.4	+0.0	33.3	R7_A1_HG2458_B	VEIL
		+5.8	+1.9	-27.1	+0.2			LE_LMH,R7_A1_	
		+0.0	11.7	27.1	10.2			HG2458_DTS	
110 2484.910M	34.9	+0.0	+5.5	+4.1	-40.2	+0.0	43.3	54.0 -10.7	Horiz
Ave		+0.3	+28.5	+0.0	+0.0			R7_A1_R8_A2_H	
		+0.0	+0.0	+0.0	+0.0			G2458_BLE_M_M	
		+10.2							
^ 2484.910M	45.1	+0.0	+5.5	+4.1	-40.2	+0.0	53.5	54.0 -0.5	Horiz
		+0.3	+28.5	+0.0	+0.0			R7_A1_R8_A2_H	
		+0.0	+0.0	+0.0	+0.0			G2458_BLE_M_M	
		+10.2							
112 4880.090M	34.7	+0.0	+8.2	+6.1	-39.7	+0.0	43.2	54.0 -10.8	Vert
Ave		+0.4	+33.2	+0.3	+0.0			R8_A4_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
		+0.0							
^ 4880.000M	45.9	+0.0	+8.2	+6.1	-39.7	+0.0	54.4	54.0 +0.4	Vert
		+0.4	+33.2	+0.3	+0.0			R8_A3_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
A 4000 000M	45.2	+0.0	.02	. (1	20.7	+0.0	527	5 4.0 0.2	Mont
^ 4880.090M	45.2	+0.0	+8.2 +33.2	+6.1	-39.7	+0.0	53.7	54.0 -0.3	Vert
		$+0.4 \\ +0.0$	+33.2	+0.3 +0.0	$+0.0 \\ +0.0$			R8_A4_HG2458_B LE_M	
		+0.0	+0.0	+0.0	+0.0			LE_IVI	
115 4879.700M	34.5	+0.0	+8.2	+6.1	-39.7	+0.0	43.0	54.0 -11.0	Horiz
Ave	34.3	+0.4	+33.2	+0.3	+0.0	10.0	43.0	R7_A1_R8_A2_H	HOHZ
11,0		+0.0	+0.0	+0.0	+0.0			G2458_BLE_M_M	
		+0.0	. 0.0	. 0.0	. 0.0			02 100_555_171_171	
^ 4879.700M	47.5	+0.0	+8.2	+6.1	-39.7	+0.0	56.0	54.0 +2.0	Horiz
		+0.4	+33.2	+0.3	+0.0			R7_A1_R8_A2_H	
		+0.0	+0.0	+0.0	+0.0			G2458_BLE_M_M	
		+0.0							
117 2504.017M	34.6	+0.0	+5.5	+4.1	-40.2	+0.0	43.0	54.0 -11.0	Horiz
Ave		+0.3	+28.5	+0.0	+0.0			R7_A1_R8_A2_H	
		+0.0	+0.0	+0.0	+0.0			G2458_BLE_M_M	
		+10.2							
^ 2504.017M	45.4	+0.0	+5.5	+4.1	-40.2	+0.0	53.8	54.0 -0.2	Horiz
		+0.3	+28.5	+0.0	+0.0			R7_A1_R8_A2_H	
		+0.0	+0.0	+0.0	+0.0			G2458_BLE_M_M	
110 4011 5403	247	+10.2	.0.0	1	20.0	.0.0	42.0	540 111	TT .
119 4811.546M	34.7	+0.0	+8.0	+6.1	-39.8	+0.0	42.9	54.0 -11.1	Horiz
Ave		+0.4	+33.2	+0.3	+0.0			R7_A1_R8_A2_H	
		+0.0	+0.0	+0.0	+0.0			G2458_BLE_L_L2	
^ 4811.546M	47.0	+0.0	100	₁ ∠ 1	20.0	+0.0	55.2	54.0 +1.2	Llowin
~ 4011.340IVI	47.0	$+0.0 \\ +0.4$	+8.0 +33.2	+6.1 +0.3	-39.8 +0.0	+0.0	33.2	54.0 +1.2 R7_A1_R8_A2_H	Horiz
		+0.4 +0.0	+33.2	+0.5	+0.0			G2458_BLE_L_L2	
		+0.0	FU.U	-0.0	±0.0			02 7 30_DLE_L_L2	
		+0.0							

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101	4064.0003.4	22.7	.0.0	.0.4	1	20. 6	.0.0	42.0	740 112	
	4964.000M	33.7	+0.0	+8.4	+6.1	-39.6	+0.0	42.8	54.0 -11.2	Horiz
	Ave		+0.4 +0.0	+33.5 +0.0	+0.3 +0.0	$^{+0.0}_{+0.0}$			R8_A2_HG2458_D TS	
			+0.0 +0.0	+0.0	+0.0	+0.0			10	
٨	4964.000M	45.5	+0.0	+8.4	+6.1	-39.6	+0.0	54.6	54.0 +0.6	Horiz
	1701.00011	15.5	+0.4	+33.5	+0.3	+0.0	10.0	31.0	R8_A1_HG2458_D	HOHE
			+0.0	+0.0	+0.0	+0.0			TS	
			+0.0							
٨	4964.000M	44.6	+0.0	+8.4	+6.1	-39.6	+0.0	53.7	54.0 -0.3	Horiz
			+0.4	+33.5	+0.3	+0.0			R8_A2_HG2458_D	
			+0.0	+0.0	+0.0	+0.0			TS	
			+0.0							
124	474.992M	34.5	+0.0	+2.3	+0.0	+0.0	+0.0	34.7	46.0 -11.3	Vert
			+0.0	+0.0	+0.0	+17.5			R7_A1_HG2458_B	
			+5.8	+2.2	-27.8	+0.2			LE_LMH,R7_A1_	
105	4000 0003 4	24.1	+0.0	.0.2	1	20.7	.0.0	42.6	HG2458_DTS	TT:
	4880.000M	34.1	$+0.0 \\ +0.4$	+8.2 +33.2	+6.1	-39.7	+0.0	42.6	54.0 -11.4 R8_A2_HG2458_B	Horiz
	Ave		+0.4	+33.2	+0.3 +0.0	$+0.0 \\ +0.0$			ко_A2_нG2436_b LE_M	
			+0.0 +0.0	+0.0	+0.0	+0.0			LL_IVI	
٨	4880.000M	45.4	+0.0	+8.2	+6.1	-39.7	+0.0	53.9	54.0 -0.1	Horiz
	4000.0001	75.7	+0.4	+33.2	+0.3	+0.0	10.0	33.7	R8_A1_HG2458_B	HOHZ
			+0.0	+0.0	+0.0	+0.0			LE_M	
			+0.0						_	
٨	4880.000M	42.9	+0.0	+8.2	+6.1	-39.7	+0.0	51.4	54.0 -2.6	Horiz
			+0.4	+33.2	+0.3	+0.0			R8_A2_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_M	
			+0.0							
٨	4880.059M	37.8	+0.0	+8.2	+6.1	-39.7	+0.0	46.3	54.0 -7.7	Horiz
			+0.4	+33.2	+0.3	+0.0			R7_A1_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_M	
100	200 00 53 5	20.2	+0.0	1.0	0.0	0.0	0.0	24.7	450 44.5	**
129	300.005M	38.2	+0.0	+1.8	+0.0	+0.0	+0.0	34.5	46.0 -11.5	Vert
			+0.0	+0.0	+0.0	+13.4			R7_A1_HG2458_B	
			+5.8	+1.6	-26.5	+0.2			LE_LMH,R7_A1_ HG2458_DTS	
130	400.005M	35.6	+0.0	+2.1	+0.0	+0.0	+0.0	34.4	46.0 -11.6	Horiz
130	+00.003WI	55.0	+0.0	+2.1		+16.0	+0.0	34.4	R7_A1_HG2458_B	110112
			+5.8	+0.0	-27.3	+10.0			LE_LMH,R7_A1_	
			+0.0	12.0	27.5	10.2			HG2458_DTS	
131	2520.877M	33.9	+0.0	+5.5	+4.1	-40.2	+0.0	42.3	54.0 -11.7	Horiz
	Ave	20.7	+0.3	+28.5	+0.0	+0.0	. 0.0	.2.5	R7_A1_R8_A2_H	
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_H2_D	
			+10.2						TS	
٨	2520.877M	45.3	+0.0	+5.5	+4.1	-40.2	+0.0	53.7	54.0 -0.3	Horiz
			+0.3	+28.5	+0.0	+0.0			R7_A1_R8_A2_H	
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_H2_D	
			+10.2						TS	
133	4803.870M	34.1	+0.0	+8.0	+6.1	-39.8	+0.0	42.3	54.0 -11.7	Horiz
			+0.4	+33.2	+0.3	+0.0			R7_A3_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
			+0.0							



134 2376.102M	34.1	+0.0	+5.4	+4.0	-39.9	+0.0	42.3	54.0 -11.7	Horiz
Ave	34.1	+0.0	+28.3	+0.0	+0.0	+0.0	42.3	R7_A1_R8_A2_H	110112
Ave		+0.5	+0.0	+0.0	+0.0 +0.0			G2458_BLE_M_M	
		+10.1	+0.0	+0.0	+0.0			U2436_DLE_IVI_IVI	
135 200.010M	40.5	+0.0	+1.4	+0.0	+0.0	+0.0	31.5	43.5 -12.0	Horiz
133 200.010141	10.5	+0.0	+0.0	+0.0	+9.0	10.0	31.3	R7_A1_HG2458_B	HOHE
		+5.8	+1.3	-26.6	+0.1			LE_LMH,R7_A1_	
		+0.0	11.5	20.0	10.1			HG2458_DTS	
136 450.006M	33.5	+0.0	+2.2	+0.0	+0.0	+0.0	33.3	46.0 -12.7	Horiz
130 430.000141	33.3	+0.0	+0.0	+0.0	+17.1	10.0	33.3	R7_A1_HG2458_B	HOHZ
		+5.8	+2.1	-27.6	+0.2			LE LMH,R7 A1	
		+0.0	12.1	27.0	10.2			HG2458_DTS	
137 4963.440M	32.0	+0.0	+8.4	+6.1	-39.6	+0.0	41.1	54.0 -12.9	Horiz
Ave	32.0	+0.4	+33.5	+0.3	+0.0	10.0	71.1	R7_A1_R8_A2_H	HOHZ
Ave		+0.0	+0.0	+0.0	+0.0			G2458_BLE_H2_D	
		+0.0	10.0	10.0	10.0			TS	
^ 4963.440M	45.2	+0.0	+8.4	+6.1	-39.6	+0.0	54.3	54.0 +0.3	Horiz
4703.440IVI	73.2	+0.4	+33.5	+0.3	+0.0	10.0	37.3	R7_A1_R8_A2_H	HOHZ
		+0.0	+0.0	+0.0	+0.0			G2458_BLE_H2_D	
		+0.0	+0.0	+0.0	+0.0			TS	
139 375.003M	34.5	+0.0	+2.0	+0.0	+0.0	+0.0	32.7	46.0 -13.3	Horiz
139 373.003141	34.3	+0.0	+0.0	+0.0	+15.4	+0.0	32.1	R7_A1_HG2458_B	110112
		+5.8	+1.9	-27.1	+0.2			LE_LMH,R7_A1_	
		+0.0	11.7	-27.1	10.2			HG2458_DTS	
140 2524.913M	31.9	+0.0	+5.5	+4.1	-40.2	+0.0	40.4	54.0 -13.6	Horiz
Ave	31.7	+0.3	+28.6	+0.0	+0.0	10.0	40.4	R7_A1_HG2458_B	HOHZ
Ave		+0.0	+0.0	+0.0	+0.0			LE_H	
		+10.2	10.0	10.0	10.0			DD_II	
^ 2524.913M	44.2	+0.0	+5.5	+4.1	-40.2	+0.0	52.7	54.0 -1.3	Horiz
2324.713111	77.2	+0.3	+28.6	+0.0	+0.0	10.0	32.1	R7_A1_HG2458_B	HOHZ
		+0.0	+0.0	+0.0	+0.0			LE_H	
		+10.2	10.0	10.0	10.0			DD_II	
142 2520.419M	32.0	+0.0	+5.5	+4.1	-40.2	+0.0	40.4	54.0 -13.6	Horiz
Ave	32.0	+0.3	+28.5	+0.0	+0.0	10.0	-∵	R7_A1_HG2458_D	110112
1110		+0.0	+0.0	+0.0	+0.0			TS	
		+10.2	10.0	10.0	10.0			1.5	
^ 2520.419M	44.8	+0.0	+5.5	+4.1	-40.2	+0.0	53.2	54.0 -0.8	Horiz
2520.7171	17.0	+0.3	+28.5	+0.0	+0.0	10.0	33.2	R7_A1_HG2458_D	110112
		+0.0	+0.0	+0.0	+0.0			TS	
		+10.2	. 0.0	. 0.0	. 0.0				
144 2526.730M	31.7	+0.0	+5.5	+4.1	-40.2	+0.0	40.2	54.0 -13.8	Horiz
Ave	51.7	+0.3	+28.6	+0.0	+0.0	10.0	10.2	R7_A1_HG2458_D	110112
11,0		+0.0	+0.0	+0.0	+0.0			TS	
		+10.2	10.0	10.0	10.0			1.5	
^ 2526.730M	42.8	+0.0	+5.5	+4.1	-40.2	+0.0	51.3	54.0 -2.7	Horiz
2320.7301	72.0	+0.3	+28.6	+0.0	+0.0	10.0	51.5	R7_A1_HG2458_D	110112
		+0.0	+0.0	+0.0	+0.0			TS	
		+10.2	10.0	10.0	10.0			1.0	
		⊤10.∠							



1/16	2366.906M	31.8	+0.0	+5.4	+4.0	-39.9	+0.0	40.1	54.0 -13.9	Horiz
	Ave	31.0	+0.0	+28.4	+4.0	+0.0	+0.0	40.1	R7_A1_R8_A2_H	110112
	Ave		+0.3	+20.4	+0.0	+0.0 +0.0			G2458_BLE_L_L2	
			+10.1	+0.0	+0.0	+0.0			G2436_BLE_L_L2	
٨	2366.906M	45.2	+0.0	+5.4	+4.0	-39.9	+0.0	53.5	54.0 -0.5	Horiz
	2300.700111	13.2	+0.3	+28.4	+0.0	+0.0	10.0	33.3	R7_A1_R8_A2_H	HOHE
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_L_L2	
			+10.1	10.0	10.0	10.0			02430_BLE_E_B2	
148	7205.295M	25.3	+0.0	+10.7	+7.5	-39.6	+0.0	40.0	54.0 -14.0	Vert
	Ave	20.0	+0.1	+35.8	+0.2	+0.0	10.0	10.0	R8_A3_HG2458_B	, 611
	11,0		+0.0	+0.0	+0.0	+0.0			LE L	
			+0.0	10.0	10.0	10.0			EE_E	
^	7205.295M	38.0	+0.0	+10.7	+7.5	-39.6	+0.0	52.7	54.0 -1.3	Vert
			+0.1	+35.8	+0.2	+0.0			R8_A3_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
			+0.0						_	
150	2515.032M	31.5	+0.0	+5.5	+4.1	-40.2	+0.0	39.9	54.0 -14.1	Horiz
	Ave		+0.3	+28.5	+0.0	+0.0			R7_A1_R8_A2_H	
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_H2_D	
			+10.2						TS	
٨	2515.032M	44.4	+0.0	+5.5	+4.1	-40.2	+0.0	52.8	54.0 -1.2	Horiz
			+0.3	+28.5	+0.0	+0.0			R7_A1_R8_A2_H	
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_H2_D	
			+10.2						TS	
152	2363.717M	31.5	+0.0	+5.4	+4.0	-39.9	+0.0	39.8	54.0 -14.2	Horiz
	Ave		+0.3	+28.4	+0.0	+0.0			R7_A1_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
			+10.1							
^	2363.717M	44.5	+0.0	+5.4	+4.0	-39.9	+0.0	52.8	54.0 -1.2	Horiz
			+0.3	+28.4	+0.0	+0.0			R7_A1_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
			+10.1							
154	2518.728M	31.4	+0.0	+5.5	+4.1	-40.2	+0.0	39.8	54.0 -14.2	Horiz
	Ave		+0.3	+28.5	+0.0	+0.0			R7_A1_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
			+10.2							
^	2518.728M	44.5	+0.0	+5.5	+4.1	-40.2	+0.0	52.9	54.0 -1.1	Horiz
			+0.3	+28.5	+0.0	+0.0			R7_A1_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_H	
			+10.2							
	2342.200M	31.7	+0.0	+5.3	+3.9	-39.9	+0.0	39.8	54.0 -14.2	Horiz
	Ave		+0.3	+28.4	+0.0	+0.0			R7_A1_R8_A2_H	
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_L_L2	
			+10.1							
^	2342.200M	44.2	+0.0	+5.3	+3.9	-39.9	+0.0	52.3	54.0 -1.7	Horiz
			+0.3	+28.4	+0.0	+0.0			R7_A1_R8_A2_H	
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_L_L2	
			+10.1							

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1.70	0510 0503 5	21.2	0.0		. 4 4	40.2	.0.0	20.7	54.0 11.C	TT .
	2518.870M	31.3	+0.0	+5.5	+4.1	-40.2	+0.0	39.7	54.0 -14.3	Horiz
	Ave		+0.3	+28.5	+0.0	+0.0			R7_A1_R8_A2_H	
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_H_H2	
^	2518.870M	44.5	+10.2	+5.5	+4.1	-40.2	+0.0	52.9	54.0 -1.1	Uori-
	2318.870W	44.3	+0.0	+3.5	+4.1 +0.0	-40.2 +0.0	+0.0	32.9	R7 A1 R8 A2 H	Horiz
			+0.3	+28.3	+0.0	+0.0			G2458_BLE_H_H2	
			+10.2	10.0	10.0	10.0			02430_DLL_II_II2	
160	2540.000M	31.2	+0.0	+5.5	+4.1	-40.2	+0.0	39.7	54.0 -14.3	Horiz
	Ave	01.2	+0.3	+28.6	+0.0	+0.0	. 0.0	0,,,	R7_A1_R8_A2_H	110112
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_H2_D	
			+10.2						TS	
^	2540.000M	43.5	+0.0	+5.5	+4.1	-40.2	+0.0	52.0	54.0 -2.0	Horiz
			+0.3	+28.6	+0.0	+0.0			R7_A1_R8_A2_H	
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_H2_D	
			+10.2						TS	
	2515.314M	31.3	+0.0	+5.5	+4.1	-40.2	+0.0	39.7	54.0 -14.3	Horiz
	Ave		+0.3	+28.5	+0.0	+0.0			R7_A1_R8_A2_H	
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_H_H2	
	2515.314M	45.0	+10.2		, / 1	40.2	.0.0	F2 4	540	II.
Α.	2515.314M	45.0	+0.0 +0.3	+5.5 +28.5	+4.1	-40.2	+0.0	53.4	54.0 -0.6	Horiz
			+0.3 +0.0	+28.5	$^{+0.0}_{+0.0}$	+0.0 +0.0			R7_A1_R8_A2_H G2458_BLE_H_H2	
			+10.2	+0.0	+0.0	+0.0			02436_DLE_II_II2	
164	4951.387M	30.3	+0.0	+8.4	+6.1	-39.6	+0.0	39.4	54.0 -14.6	Horiz
	Ave	50.5	+0.4	+33.5	+0.3	+0.0	10.0	57.7	R7_A1_R8_A2_H	HOHE
	11.0		+0.0	+0.0	+0.0	+0.0			G2458_BLE_H_H2	
			+0.0							
^	4951.387M	44.0	+0.0	+8.4	+6.1	-39.6	+0.0	53.1	54.0 -0.9	Horiz
			+0.4	+33.5	+0.3	+0.0			R7_A1_R8_A2_H	
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_H_H2	
			+0.0							
	2338.025M	31.3	+0.0	+5.3	+3.9	-39.9	+0.0	39.3	54.0 -14.7	Horiz
	Ave		+0.3	+28.3	+0.0	+0.0			R7_A1_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_L	
	2220 0253 5	45.4	+10.1	. 5.0	. 2.0	20.0	.0.0	<i>50.4</i>	540 O 5	TT .
^	2338.025M	45.4	+0.0	+5.3	+3.9	-39.9	+0.0	53.4	54.0 -0.6	Horiz
			+0.3	+28.3		+0.0			R7_A1_HG2458_B LE L	
			$+0.0 \\ +10.1$	+0.0	+0.0	+0.0			<u> </u>	
168	2376.066M	31.0	+10.1	+5.4	+4.0	-39.9	+0.0	39.2	54.0 -14.8	Horiz
	Ave	31.0	+0.0	+3.4	+4.0 +0.0	-39.9 +0.0	+0.0	37.4	R7_A1_HG2458_B	110112
	1110		+0.0	+0.0	+0.0	+0.0			LE_M	
			+10.1	. 0.0	. 3.0	. 0.0			··	
٨	2376.102M	45.4	+0.0	+5.4	+4.0	-39.9	+0.0	53.6	54.0 -0.4	Horiz
			+0.3	+28.3	+0.0	+0.0			R7_A1_R8_A2_H	
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_M_M	
			+10.1						_ 	
٨	2376.066M	44.8	+0.0	+5.4	+4.0	-39.9	+0.0	53.0	54.0 -1.0	Horiz
			+0.3	+28.3	+0.0	+0.0			R7_A1_HG2458_B	
			+0.0	+0.0	+0.0	+0.0			LE_M	
			+10.1							



171 7319.487M	23.4	+0.0	+10.8	+7.6	-39.8	+0.0	38.5	54.0 -15.5	Horiz
Ave	2011	+0.1	+36.2	+0.2	+0.0		00.0	R7_A1_R8_A2_H	110112
		+0.0	+0.0	+0.0	+0.0			G2458_BLE_M_M	
		+0.0							
^ 7319.487M	37.3	+0.0	+10.8	+7.6	-39.8	+0.0	52.4	54.0 -1.6	Horiz
		+0.1	+36.2	+0.2	+0.0			R7_A1_R8_A2_H	
		+0.0	+0.0	+0.0	+0.0			G2458_BLE_M_M	
		+0.0							
173 7206.790M	23.6	+0.0	+10.7	+7.5	-39.6	+0.0	38.3	54.0 -15.7	Vert
Ave		+0.1	+35.8	+0.2	+0.0			R8_A4_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_L	
		+0.0							
^ 7206.790M	36.6	+0.0	+10.7	+7.5	-39.6	+0.0	51.3	54.0 -2.7	Vert
		+0.1	+35.8	+0.2	+0.0			R8_A4_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_L	
		+0.0							
^ 7206.872M	34.6	+0.0	+10.7	+7.5	-39.6	+0.0	49.3	54.0 -4.7	Vert
		+0.1	+35.8	+0.2	+0.0			R7_A3_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_L	
		+0.0							
176 7319.353M	23.2	+0.0	+10.8	+7.6	-39.8	+0.0	38.3	54.0 -15.7	Vert
Ave		+0.1	+36.2	+0.2	+0.0			R7_A4_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
		+0.0							
177 7205.453M	23.5	+0.0	+10.7	+7.5	-39.6	+0.0	38.2	54.0 -15.8	Horiz
Ave		+0.1	+35.8	+0.2	+0.0			R8_A2_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_L	
		+0.0							
^ 7205.453M	35.9	+0.0	+10.7	+7.5	-39.6	+0.0	50.6	54.0 -3.4	Horiz
		+0.1	+35.8	+0.2	+0.0			R8_A2_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_L	
		+0.0						_	
^ 7205.410M	34.4	+0.0	+10.7	+7.5	-39.6	+0.0	49.1	54.0 -4.9	Horiz
		+0.1	+35.8	+0.2	+0.0			R7_A2_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_L	
		+0.0						_	
180 7440.650M	21.8	+0.0	+11.1	+7.7	-39.7	+0.0	37.7	54.0 -16.3	Vert
Ave		+0.2	+36.4	+0.2	+0.0			R7_A3_HG2458_B	-
		+0.0	+0.0	+0.0	+0.0			LE_H	
		+0.0						_	
^ 7440.650M	34.2	+0.0	+11.1	+7.7	-39.7	+0.0	50.1	54.0 -3.9	Vert
		+0.2	+36.4	+0.2	+0.0			R7_A3_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_H	
		+0.0						_	
L									



182 7319.335M	22.6	+0.0	+10.8	+7.6	-39.8	+0.0	37.7	54.0 -16.3	Vert
Ave		+0.1	+36.2	+0.2	+0.0			R8_A3_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
		+0.0							
^ 7319.353M	36.2	+0.0	+10.8	+7.6	-39.8	+0.0	51.3	54.0 -2.7	Vert
		+0.1	+36.2	+0.2	+0.0			R7_A4_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
		+0.0							
^ 7319.335M	35.5	+0.0	+10.8	+7.6	-39.8	+0.0	50.6	54.0 -3.4	Vert
		+0.1	+36.2	+0.2	+0.0			R8_A3_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
		+0.0							
185 7440.816M	21.5	+0.0	+11.1	+7.7	-39.7	+0.0	37.4	54.0 -16.6	Horiz
Ave		+0.2	+36.4	+0.2	+0.0			R7_A2_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_H	
		+0.0							
^ 7440.816M	35.7	+0.0	+11.1	+7.7	-39.7	+0.0	51.6	54.0 -2.4	Horiz
		+0.2	+36.4	+0.2	+0.0			R7_A2_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_H	
		+0.0						_	
^ 7440.735M	33.6	+0.0	+11.1	+7.7	-39.7	+0.0	49.5	54.0 -4.5	Horiz
		+0.2	+36.4	+0.2	+0.0			R8_A2_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_H	
		+0.0							
188 7319.283M	22.2	+0.0	+10.8	+7.6	-39.8	+0.0	37.3	54.0 -16.7	Horiz
Ave		+0.1	+36.2	+0.2	+0.0			R7_A1_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_M	
		+0.0						_	
189 7440.593M	21.4	+0.0	+11.1	+7.7	-39.7	+0.0	37.3	54.0 -16.7	Horiz
Ave		+0.2	+36.4	+0.2	+0.0			R7_A1_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_H	
		+0.0						_	
^ 7440.593M	34.7	+0.0	+11.1	+7.7	-39.7	+0.0	50.6	54.0 -3.4	Horiz
,		+0.2	+36.4	+0.2	+0.0		2 2.0	R7_A1_HG2458_B	
		+0.0	+0.0	+0.0	+0.0			LE_H	
		+0.0	. 0.0		. 3.0				
191 7446.592M	21.3	+0.0	+11.1	+7.7	-39.7	+0.0	37.2	54.0 -16.8	Horiz
Ave		+0.2	+36.4	+0.2	+0.0		- · · · -	R7_A1_HG2458_D	
		+0.0	+0.0	+0.0	+0.0			TS	
		+0.0						•	
^ 7446.592M	34.3	+0.0	+11.1	+7.7	-39.7	+0.0	50.2	54.0 -3.8	Horiz
, . 10.5,2111	2 1.0	+0.2	+36.4	+0.2	+0.0		20.2	R7_A1_HG2458_D	110112
		+0.0	+0.0	+0.0	+0.0			TS	
		+0.0	. 0.0	. 5.0	. 3.0				
		10.0							



193	7319.323M	22.0	+0.0	+10.8	+7.6	-39.8	+0.0	37.1	54.0 -16	5.9 Horiz
	Ave		+0.1	+36.2	+0.2	+0.0			R8_A2_HG2458	S_B
			+0.0	+0.0	+0.0	+0.0			LE_M	
			+0.0							
^	7319.323M	35.0	+0.0	+10.8	+7.6	-39.8	+0.0	50.1	54.0 -3	.9 Horiz
			+0.1	+36.2	+0.2	+0.0			R8_A2_HG2458	S_B
			+0.0	+0.0	+0.0	+0.0			LE_M	
			+0.0							
^	7319.283M	34.9	+0.0	+10.8	+7.6	-39.8	+0.0	50.0	54.0 -4	.0 Horiz
			+0.1	+36.2	+0.2	+0.0			R7_A1_HG2458	S_B
			+0.0	+0.0	+0.0	+0.0			LE_M	
			+0.0							
^	7319.412M	34.2	+0.0	+10.8	+7.6	-39.8	+0.0	49.3	54.0 -4	.7 Horiz
			+0.1	+36.2	+0.2	+0.0			R7_A2_HG2458	S_B
			+0.0	+0.0	+0.0	+0.0			LE_M	
			+0.0							
197	7321.035M	21.7	+0.0	+10.8	+7.6	-39.8	+0.0	36.8	54.0 -17	7.2 Vert
	Ave		+0.1	+36.2	+0.2	+0.0			R8_A4_HG2458	S_B
			+0.0	+0.0	+0.0	+0.0			LE_M	
			+0.0							
^	7321.035M	35.3	+0.0	+10.8	+7.6	-39.8	+0.0	50.4	54.0 -3	.6 Vert
			+0.1	+36.2	+0.2	+0.0			R8_A4_HG2458	S_B
			+0.0	+0.0	+0.0	+0.0			LE_M	
			+0.0							
199	7427.835M	20.5	+0.0	+11.1	+7.7	-39.7	+0.0	36.4	54.0 -17	7.6 Horiz
	Ave		+0.2	+36.4	+0.2	+0.0			R7_A1_R8_A2_	Н
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_H2	_D
			+0.0						TS	
^	7427.835M	35.0	+0.0	+11.1	+7.7	-39.7	+0.0	50.9	54.0 -3	.1 Horiz
			+0.2	+36.4	+0.2	+0.0			R7_A1_R8_A2_	Н
			+0.0	+0.0	+0.0	+0.0			G2458_BLE_H2	_D
			+0.0						TS	



Band Edge

	Band Edge Summary – Antenna 1										
Frequency (MHz)	Modulation	Ant. Type	Field Strength (dBuV/m @3m)	Limit (dBuV/m @3m)	Results						
2390.0	BLE	PA2x2	38.1 pk	<54	Pass						
2400.0	BLE	PA2x2	64.6 pk	<76.8	Pass						
2483.5	BLE	PA2x2	31.5 ave	<54	Pass						
2483.5	DTS	PA2x2	51.3 Pk*	<74	Pass						
2483.5	DTS	PA2x2	45.3 ave	<54	Pass						
2390	BLE + BLE (L, L+2)	PA2x2	43.0 pk	<54	Pass						
2400	BLE + BLE (L, L+2)	PA2x2	64.2 pk	<76.8	Pass						
2483.5	BLE+BLE (H, H-2)	PA2x2	36.2 ave	<54	Pass						
2483.5	BLE(H-2) + DTS	PA2x2	52.3 pk *	<74	Pass						
2483.5	BLE(H-2) + DTS	PA2x2	49.3 ave	<54	Pass						

^{*}delta marker corrected

	В	and Edge Summary	/ – Antenna 2		
Frequency (MHz)	Modulation	Ant. Type	Field Strength (dBuV/m @3m)	Limit (dBuV/m @3m)	Results
2390.0	BLE	MA510 R7	43.2 pk	<54	Pass
2400.0	BLE	MA510 R7	68.5 pk	<76.8	Pass
2483.5	BLE	MA510 R7	32.1 ave	<54	Pass
2483.5	DTS	MA510 R7	52.9 pk*	<74	Pass
2483.5	DTS	MA510 R7	46.6 ave	<54	Pass
2390.0	BLE + BLE (L, L+2)	MA510 R7 R8	44.8 pk	<54	Pass
2400.0	BLE + BLE (L, L+2)	MA510 R7 R8	66.5 pk	<76.8	Pass
2483.5	BLE+BLE (H, H-2)	MA510 R7 R8	41.7 ave	<54	Pass
2483.5	BLE(H-2) + DTS	MA510 R7 R8	50.2 pk*	<74	Pass
2483.5	BLE(H-2) + DTS	MA510 R7 R8	48.5 ave	<54	Pass

^{*}delta marker corrected (100kHz)

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	В	and Edge Summary	/ – Antenna 3		
Frequency (MHz)	Modulation	Ant. Type	Field Strength (dBuV/m @3m)	Limit (dBuV/m @3m)	Results
2390.0	BLE	MA673 R7A1	42.5pk	<54	Pass
2400.0	BLE	MA673 R7A1	69.1pk	<78.5	Pass
2483.5	BLE	MA673 R7A1	33.1ave	<54	Pass
2483.5	BLE	MA673 R7A1	58.6pk	<74	Pass
2483.5	DTS	MA673 R7A1	47.5ave	<54	Pass
2483.5	DTS	MA673 R7A1	51.1pk*	<74	Pass
2390.0	BLE + BLE (L, L+2)	MA673 R7A1R8A2	50.3pk	<54	Pass
2400.0	BLE + BLE (L, L+2)	MA673 R7A1R8A2	68.3pk	<78.5	Pass
2483.5	BLE+BLE (H, H-2)	MA673 R7A1R8A2	34.5ave	<54	Pass
2483.5	BLE(H-2) + DTS	MA673 R7A1R8A2	49.7pk*	<74	Pass
2483.5	BLE(H-2) + DTS	MA673 R7A1R8A2	47.5 ave	<54	Pass

^{*}delta marker corrected

	В	and Edge Summary	/ – Antenna 4		
Frequency (MHz)	Modulation	Ant. Type	Field Strength (dBuV/m @3m)	Limit (dBuV/m @3m)	Results
2390.0	BLE	HG2458 R7A1	45.6pk	<54	Pass
2400.0	BLE	HG2458 R7A1	72.4pk	<82.9	Pass
2483.5	BLE	HG2458 R7A1	35.6ave	<54	Pass
2483.5	BLE	HG2458 R7A1	63.5pk	<74	Pass
2483.5	DTS	HG2458 R7A1	50.1ave	<54	Pass
2483.5	DTS	HG2458 R7A1	50.8pk*	<74	Pass
2390.0	BLE + BLE (L, L+2)	HG2458 R7A1R8A2	46.1 pk	<54	Pass
2400.0	BLE + BLE (L, L+2)	HG2458 R7A1R8A2	72.1 pk	<82.9	Pass
2483.5	BLE+BLE (H, H-2)	HG2458 R7A1R8A2	37.8 ave	<54	Pass
2483.5	BLE(H-2) + DTS	HG2458 R7A1R8A2	52.1pk*	<74	Pass
2483.5	BLE(H-2) + DTS	HG2458 R7A1R8A2	52.2ave	<54	Pass

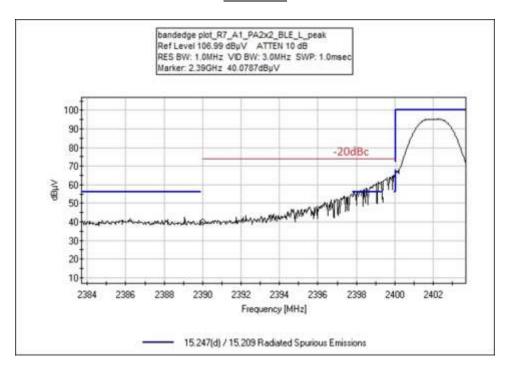
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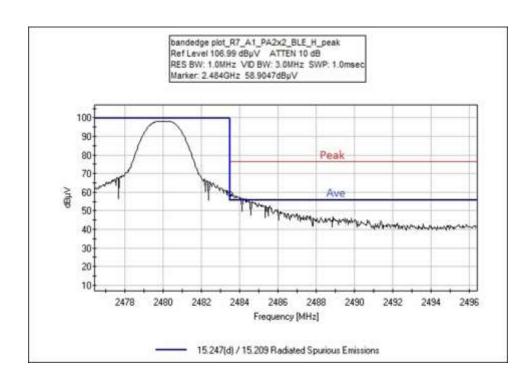
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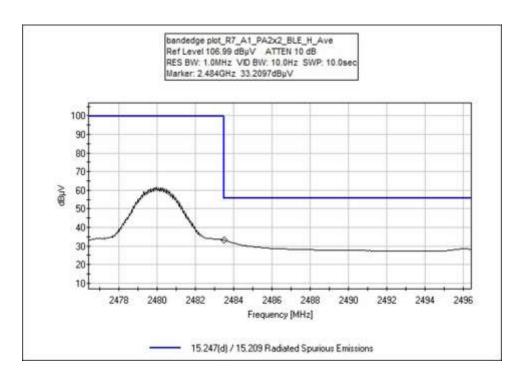
Band Edge Plots

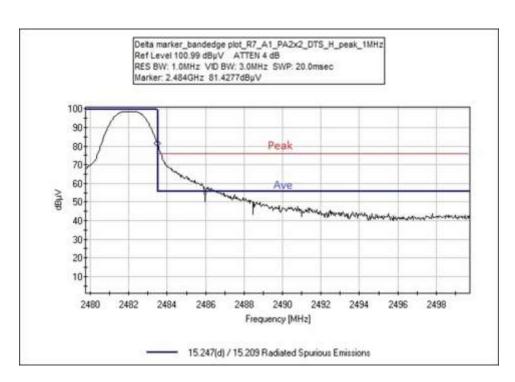
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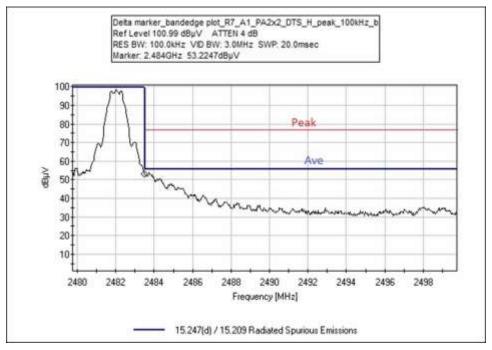


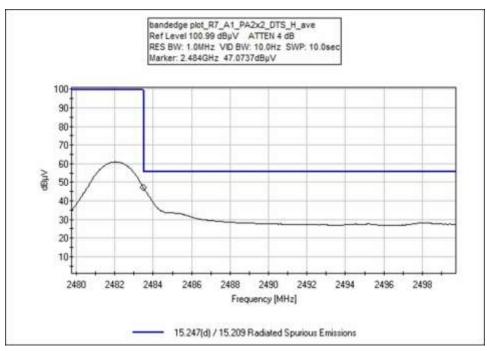




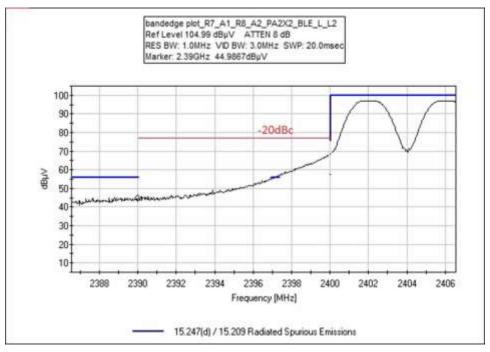


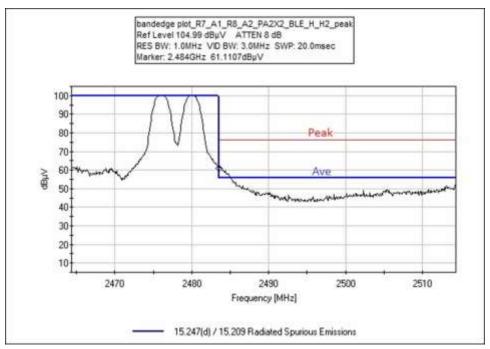




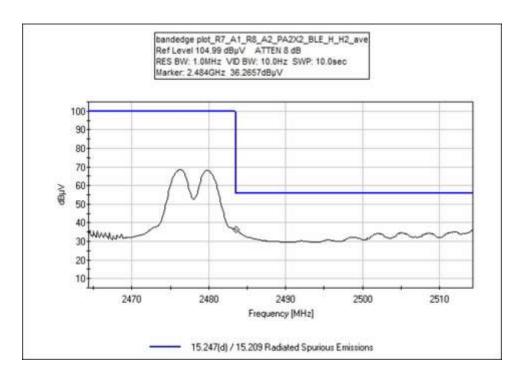


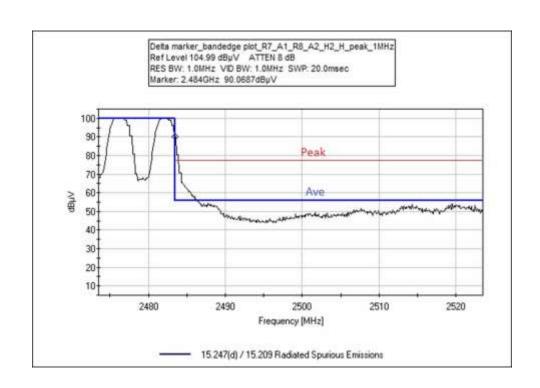




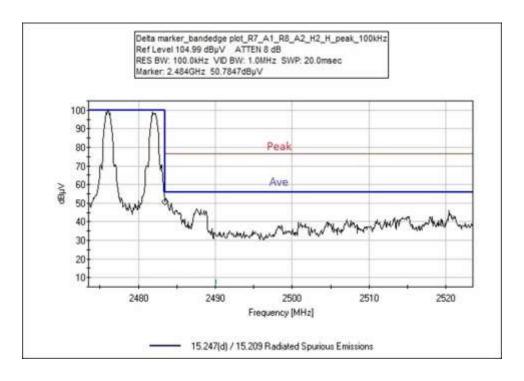


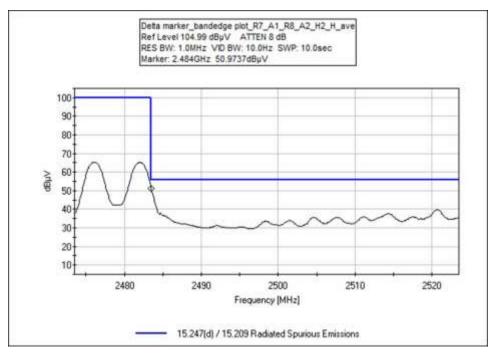






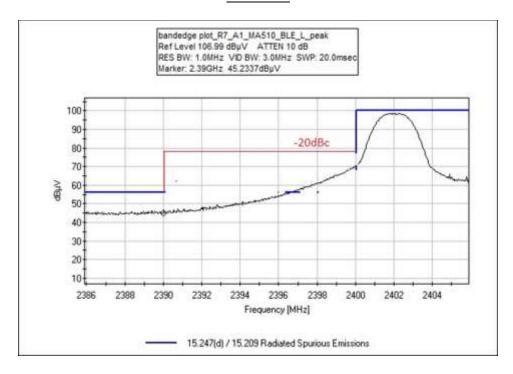


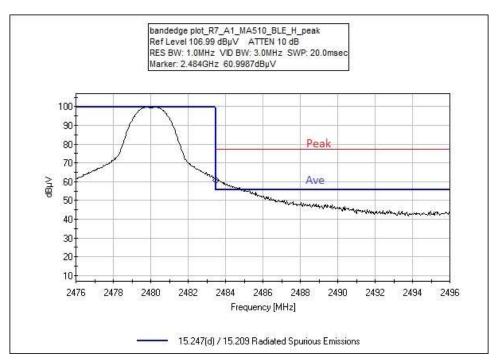




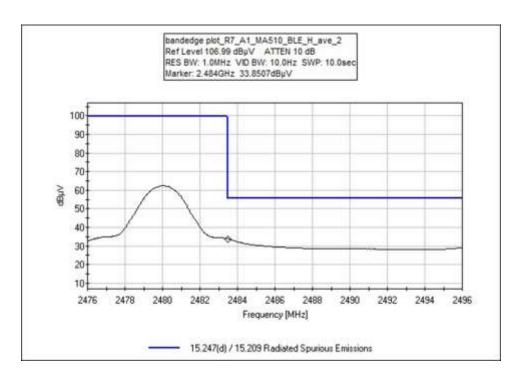


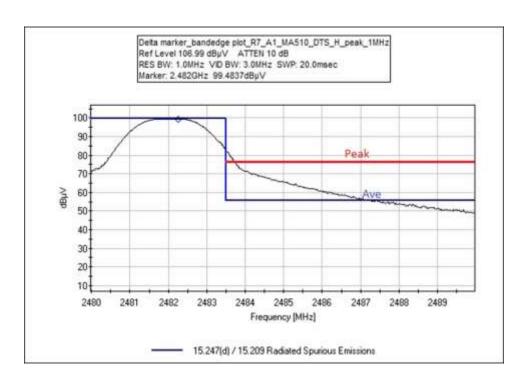
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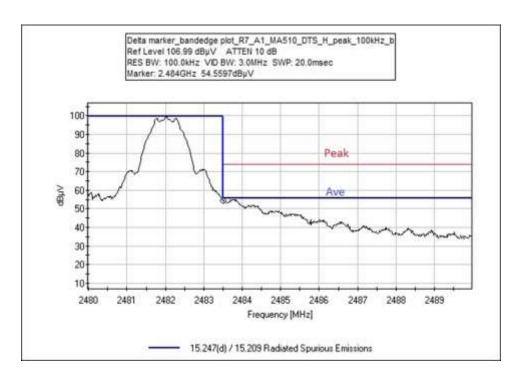


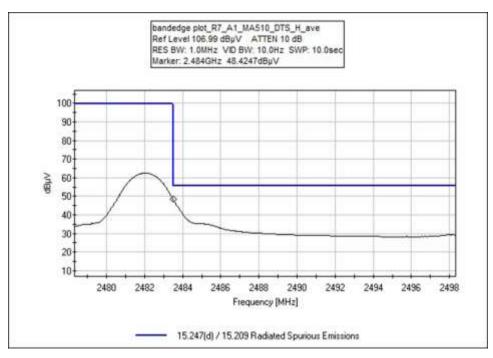




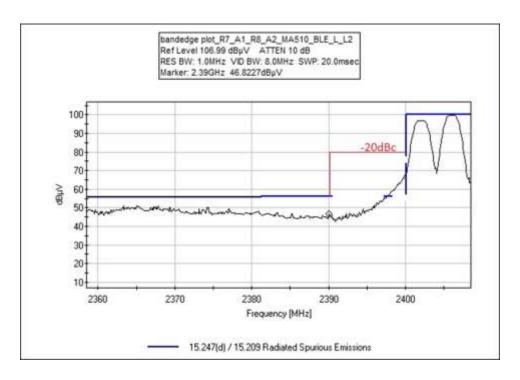


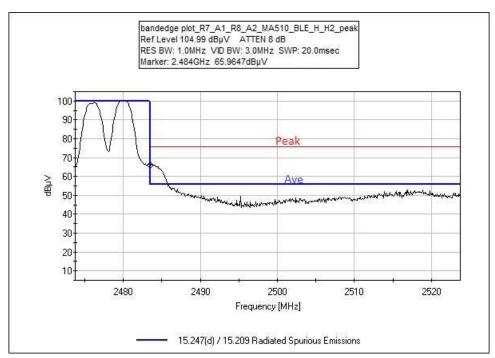




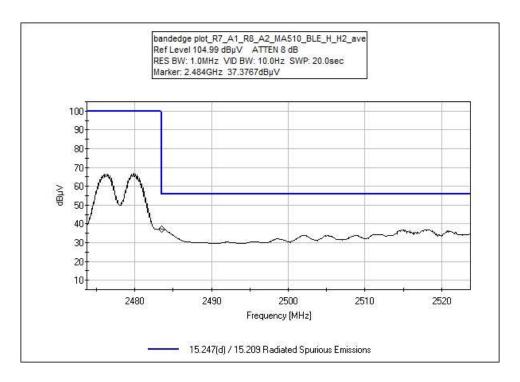


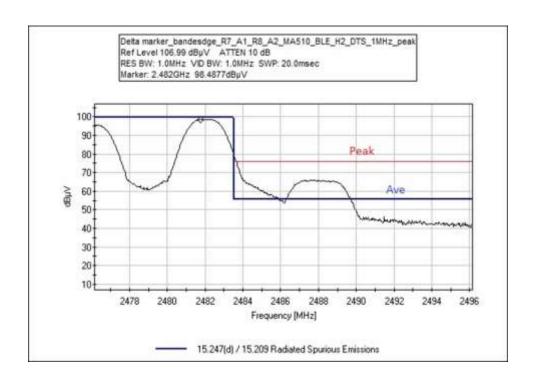




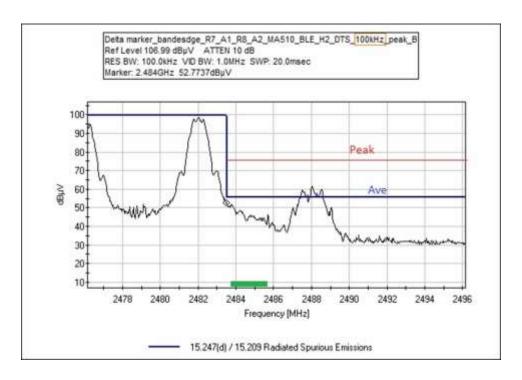


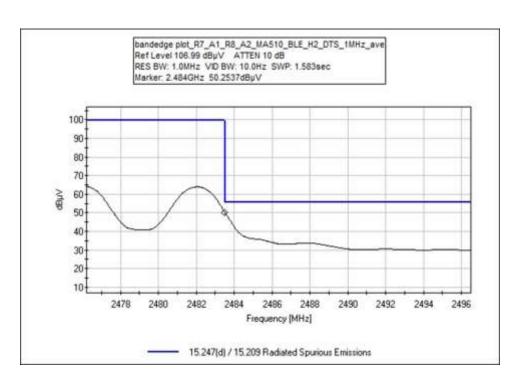






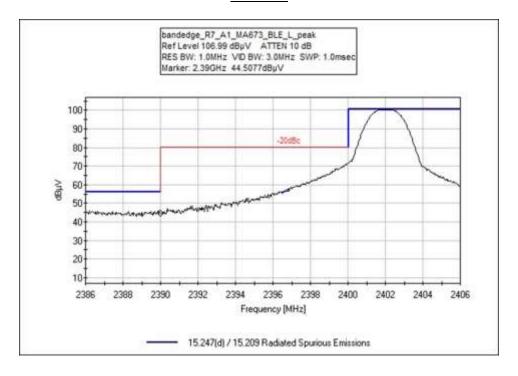


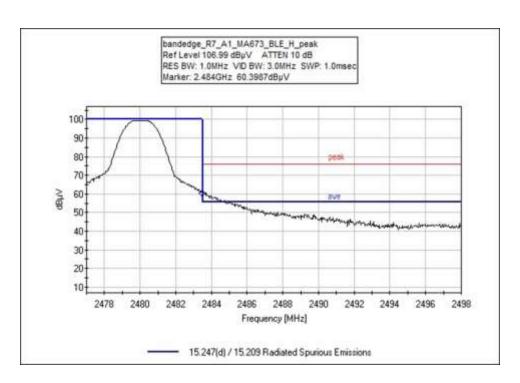




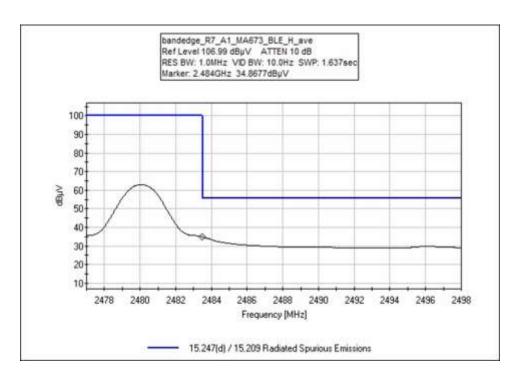


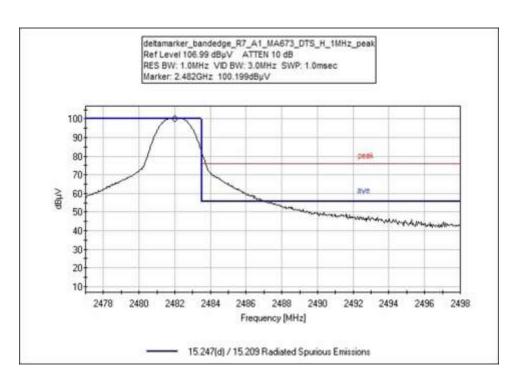
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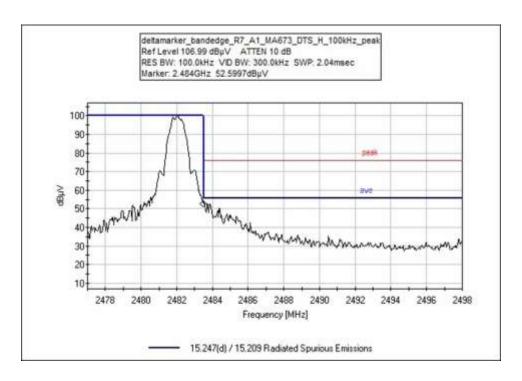


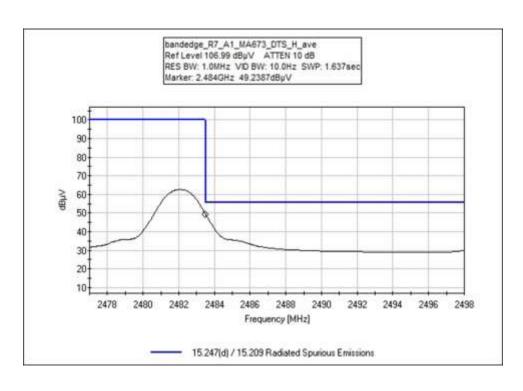




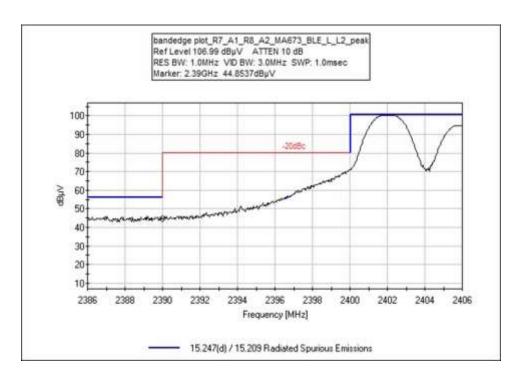


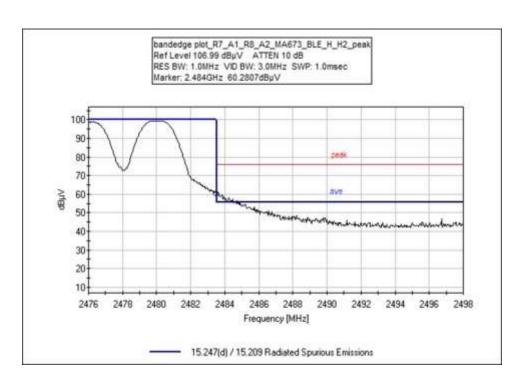




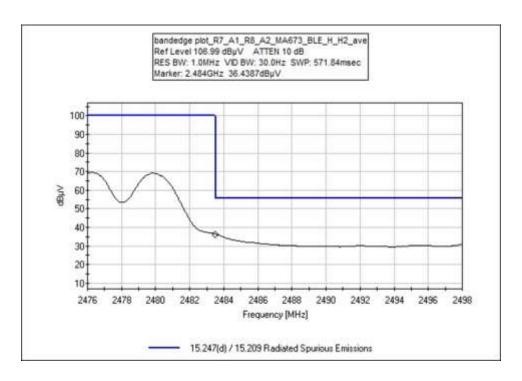


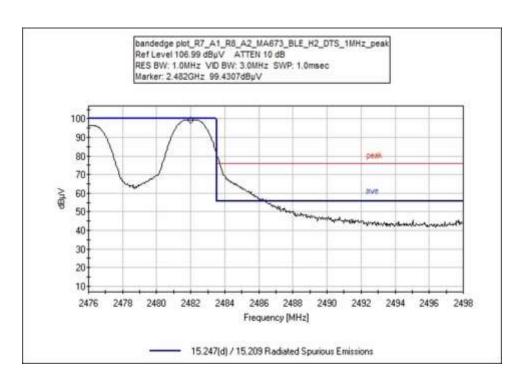




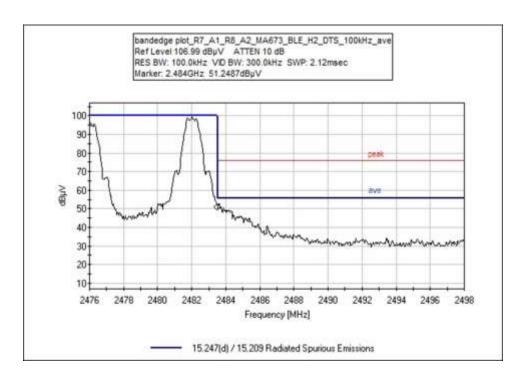


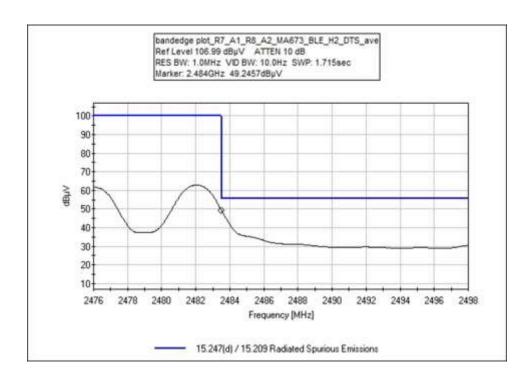






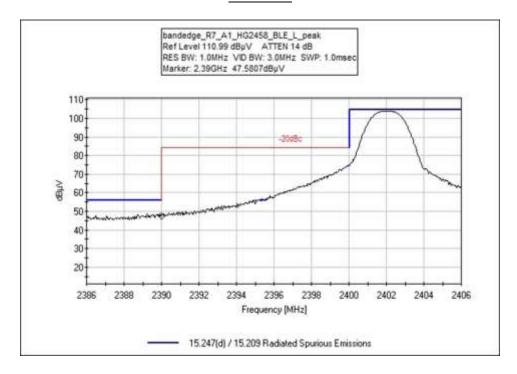


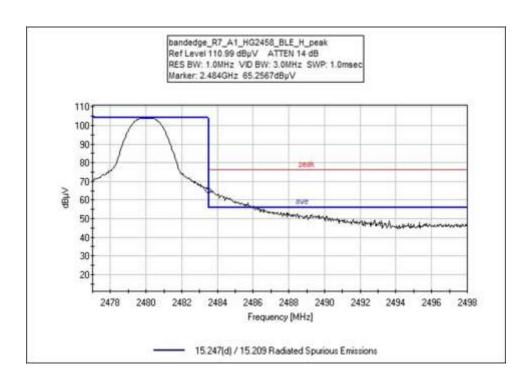




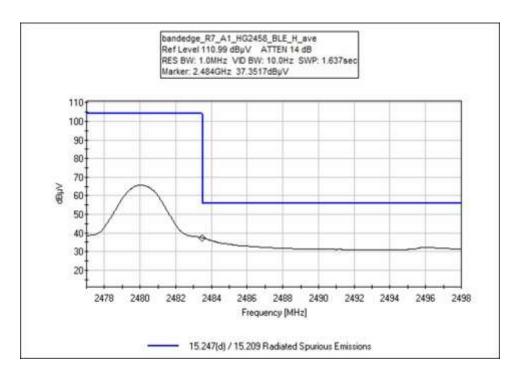


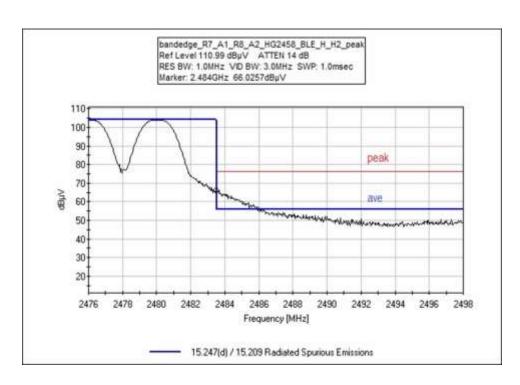
Antenna 4



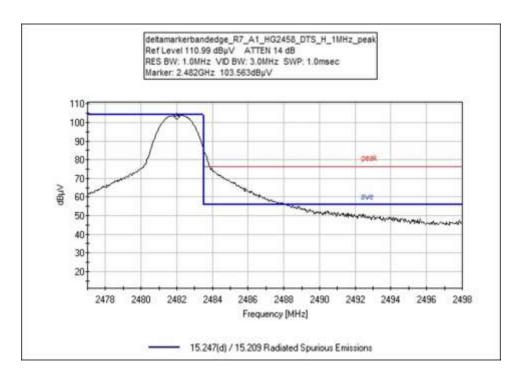


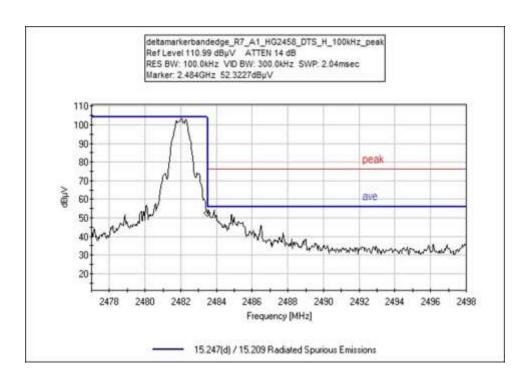




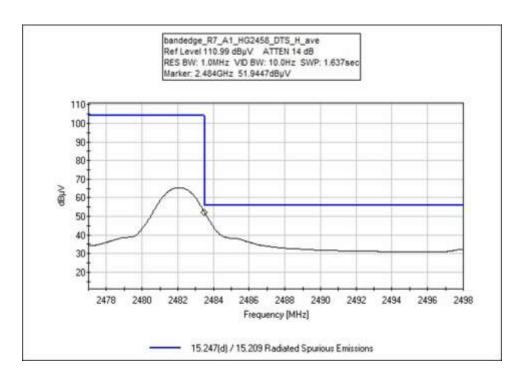




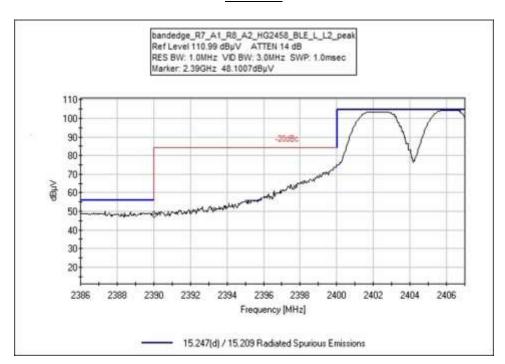




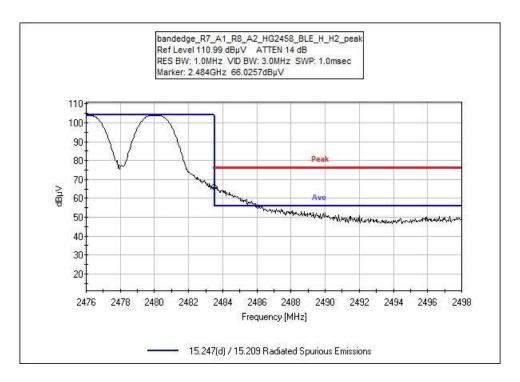


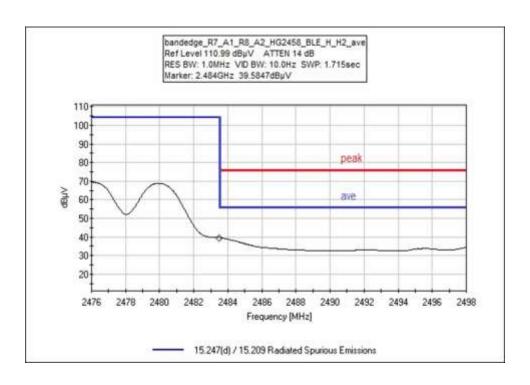


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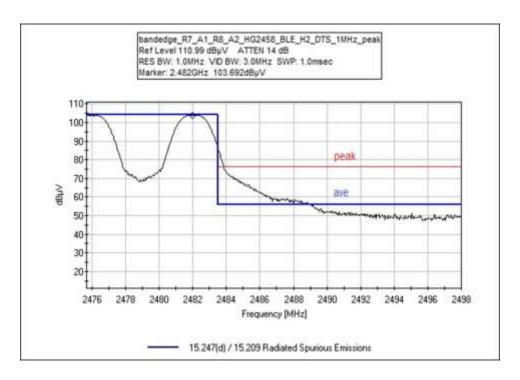


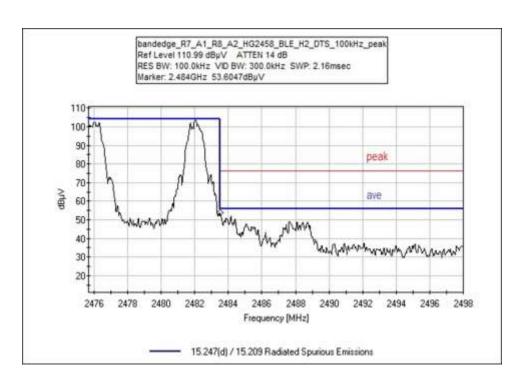




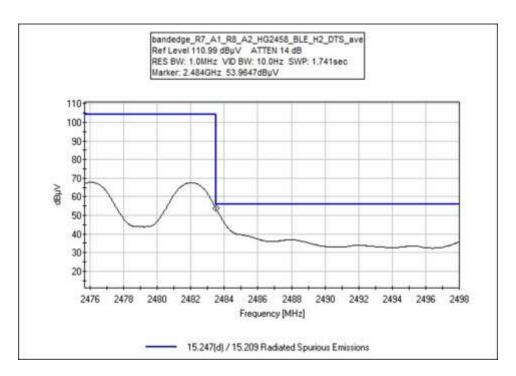














Test Setup / Conditions / Data

Test Location: CKC Laboratories, Inc. • 110 N. Olinda Place • Brea, CA 92823 • 714 993-6112

Customer: Walt Disney Parks and Resorts US, Inc.

Specification: 15.247(d) / 15.209 Radiated Spurious Emissions

 Work Order #:
 101978
 Date:
 1/2/2019

 Test Type:
 Radiated Scan
 Time:
 15:46:54

Tested By: E. Wong Sequence#: 3

Software: EMITest 5.03.11

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 1			

Support Equipment:

Device	Manufacturer	Model #	S/N	
Configuration 1				

Test Conditions / Notes:

The EUT is placed on the Styrofoam block. ETHO is connected to remotely located support POE, Switch and laptop. ETH1 is connected to a section of UTP, USB ports are connected to section of USB cable, GPIO ports are terminated to simulated loads. RX port connects to a Dipole antenna. Micro USB Service port left unpopulated

Remote laptop runs test software to set the EUT into test mode.

Evaluation for Permissive Change II equipment authorization process with various antenna type and configurations. FCCID: 2AJS4-RN-R1G1

Radio port 7 and radio port 8 are connected to the antenna in accordance with available configuration.

Protocol:

BLE, 2402MHz, 2440MHz, 2480MHz DTS (proprietary): 2482MHz single channel

Ant1: PA2X2, 8dBi + 2 x 10ft Pasternack RG223/ U 2 with 6dB loss at 2440MHz

Ant2: MA510, 3.9dBi Ant3:MA673, 4.1 dBi

Ant4: HG2458, 13dBi + 2 x 10ft Pasternack RG223/ U 2 with 6dB loss at 2440MHz

Firmware power setting 0 dBm

Antenna under investigation: PA2x2

Frequency range of measurement = 2.39-2.4835 GHz. RBW=1 MHz,VBW=1 MHz unless otherwise noted.

Test environment conditions:

Temperature: 17.3°C, Relative Humidity: 54%, Pressure: 100.8kPa

Test method in accordance with FCC document: 558074 558074 D01 15.247 Meas Guidance v05. Investigation in all orientation, worst case orientation presented.

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ID	Asset #	Description	Model	Calibration Date	Cal Due Date
T1	AN02869	Spectrum Analyzer	E4440A	8/10/2018	8/10/2019
T2	AN01646	Horn Antenna	3115	3/14/2018	3/14/2020
T3	ANP07247	Cable	32022-29094K-	7/5/2018	7/5/2020
			29094K-24TC		
T4	AN00787	Preamp	83017A	6/9/2017	6/9/2019
T5	ANP07138	Cable	ANDL1-	3/1/2017	3/1/2019
			PNMNM-60		
T6	ANP04382	Cable	LDF-50	6/2/2018	6/2/2020

	rement Data:		eading list	ted by ma	argin.		Те	est Distanc	e: 3 Meters		
#	Freq	Rdng	T1 T5	T2 T6	T3	T4	Dist	Corr	Spec	Margin	Polar
	MHz	dΒμV	dB	dB	dB	dB	Table	$dB\mu V/m$	$dB\muV/m$	dB	Ant
1	2483.500M	51.1	+0.0	+28.5	+0.3	-40.2	+0.0	49.3	54.0	-4.7	Horiz
	Ave		+4.1	+5.5					bandedge		
									plot_R7_A 2_H2_X_a	ve	
2	2483.500M	47.1	+0.0	+28.5	+0.3	-40.2	+0.0	45.3	54.0	-8.7	Horiz
	Ave		+4.1	+5.5					bandedge	1.7.10	
									plot_R7_A		
	2492 50014	47.1	. 0. 0	. 20 5	.0.2	40.2	.00	45.2	2_DTS_H_	•	TT
3	2483.500M Ave	47.1	+0.0 +4.1	+28.5 +5.5	+0.3	-40.2	+0.0	45.3	54.0 bandedge	-8.7	Horiz
	Ave		+ 4 .1	+3.3					plot_R7_A	1 PΔ2v	
									2_DTS	11_1 \(\Lambda 2 \lambda \)	
4	2390.000M	45.0	+0.0	+28.3	+0.3	-40.0	+0.0	43.0	54.0	-11.0	Horiz
			+4.0	+5.4					bandedge_		
									R8_A2_PA	A2X2_L_	
5	2400.000M	66.6	+0.0	+28.3	+0.3	-40.0	+0.0	64.6	76.8	-12.2	Horiz
			+4.0	+5.4					bandedge		
									plot_R7_A 2_BLE	.1_PA2x	
6	2400.000M	66.2	+0.0	+28.3	+0.3	-40.0	+0.0	64.2	76.8	-12.6	Horiz
			+4.0	+5.4					bandedge_		
									R8_A2_PA L2	A2X2_L_	
7	2390.000M	40.1	+0.0	+28.3	+0.3	-40.0	+0.0	38.1	54.0	-15.9	Horiz
			+4.0	+5.4					bandedge_		
									PA2X2_B		
8	2483.500M	38.0	+0.0	+28.5	+0.3	-40.2	+0.0	36.2	54.0	-17.8	Horiz
	Ave		+4.1	+5.5					bandedge		
									plot_R7_A		
									2_PA2X2_ H2	RLE_H_	
									п2		

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9 2483.500M	33.3	+0.0	+28.5	+0.3	-40.2	+0.0	31.5	54.0	-22.5	Horiz
Ave		+4.1	+5.5					bandedge		
								plot_R7_A	1 PA2x	
								2 BLE		
^ 2483.500M	60.7	+0.0	+28.5	+0.3	-40.2	+0.0	58.9	74.0	-15.1	Horiz
		+4.1	+5.5					bandedge		
								plot_R7_A	1 PA2v	
								2_BLE	1_1 / 12/	
^ 2483.500M	53.1	+0.0	+28.5	+0.3	-40.2	+0.0	51.3	74.0	-22.7	Horiz
		+4.1	+5.5					Delta		
								marker_R7	_A1_PA	
								$2X2_DTS_$	X_corre	
								cted 0.1dB		
^ 2483.500M	51.1	+0.0	+28.5	+0.3	-40.2	+0.0	49.3	74.0	-24.7	Horiz
		+4.1	+5.5					Delta		
								marker_bar	ndedge	
								plot_R7_A	_	
								2_H2_X_p		
								kHz_correc	tea	
								0.3dB		



Test Location: CKC Laboratories, Inc. • 110 N. Olinda Place • Brea, CA 92823 • 714 993-6112

Customer: Walt Disney Parks and Resorts US, Inc.

Specification: 15.247(d) / 15.209 Radiated Spurious Emissions

Work Order #: 101978 Date: 12/14/2018
Test Type: Radiated Scan Time: 11:39:11
Tested By: E. Wong Sequence#: 2

Software: EMITest 5.03.11

Equipment Tested:

Device	Manufacturer	Model #	S/N	
Configuration 1				

Support Equipment:

Device	Manufacturer	Model #	S/N	
Configuration 1				

Test Conditions / Notes:

The EUT is placed on the Styrofoam block. ETHO is connected to remotely located support POE, Switch and laptop. ETH1 is connected to a section of UTP, USB ports are connected to section of USB cable, GPIO ports are terminated to simulated loads. RX port connects to a Dipole antenna. Micro USB Service port left unpopulated

Remote laptop runs test software to set the EUT into test mode.

Evaluation for Permissive Change II equipment authorization process with various antenna type and configurations. FCCID: 2AJS4-RN-R1G1

Radio port 7 and radio port 8 are connected to the antenna in accordance with available configuration.

Protocol:

BLE, 2402MHz, 2440MHz, 2480MHz DTS (proprietary): 2482MHz single channel

Ant1: PA2X2, 8dBi + 2 x 10ft Pasternack RG223/ U 2 with 6dB loss at 2440MHz

Ant2: MA510, 3.9dBi Ant3:MA673, 4.1 dBi

Ant4: HG2458, 13dBi + 2 x 10ft Pasternack RG223/ U 2 with 6dB loss at 2440MHz

Firmware power setting 0 dBm

Antenna under investigation: MA510

Frequency range of measurement = 2.39-2.4835 GHz. RBW=1 MHz,VBW=1 MHz unless otherwise noted.

Test environment conditions:

Temperature: 17.3°C, Relative Humidity: 54%, Pressure: 100.8kPa

Test method in accordance with FCC document: 558074 558074 D01 15.247 Meas Guidance v05. Investigation in all orientation, worst case orientation presented.

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ID	Asset #	Description	Model	Calibration Date	Cal Due Date
T1	AN02869	Spectrum Analyzer	E4440A	8/10/2018	8/10/2019
T2	AN01646	Horn Antenna	3115	3/14/2018	3/14/2020
T3	ANP07247	Cable	32022-29094K-	7/5/2018	7/5/2020
			29094K-24TC		
T4	AN00787	Preamp	83017A	6/9/2017	6/9/2019
T5	ANP07138	Cable	ANDL1-	3/1/2017	3/1/2019
			PNMNM-60		
T6	ANP04382	Cable	LDF-50	6/2/2018	6/2/2020

Measu	rement Data:	Re	eading lis	ted by ma	argin.		Те	est Distanc	e: 3 Meters		
#	Freq	Rdng	T1	T2	T3	T4	Dist	Corr	Spec	Margin	Polar
			T5	T6							
	MHz	dΒμV	dB	dB	dB	dB	Table	$dB\mu V/m$	$dB\mu V/m$	dB	Ant
1	2483.500M	48.4	+0.0	+28.5	+0.3	-40.2	+0.0	46.6	54.0	-7.4	Horiz
	Ave		+4.1	+5.5					$Bandedge_$	R7_A1_	
									MA510_D	TS	
2	2400.000M	70.5	+0.0	+28.3	+0.3	-40.0	+0.0	68.5	76.8	-8.3	Horiz
			+4.0	+5.4					R7_A1_M	A510_B	
									LE		
3	2390.000M	46.8	+0.0	+28.3	+0.3	-40.0	+0.0	44.8	54.0	-9.2	Horiz
			+4.0	+5.4					R7_A1_R8	3_A2_M5	
									10_BLE_L	_L2	
4	2400.000M	68.5	+0.0	+28.3	+0.3	-40.0	+0.0	66.5	76.8	-10.3	Horiz
			+4.0	+5.4					R7_A1_R8		
									10_BLE_L	_L2	
5	2390.000M	45.2	+0.0	+28.3	+0.3	-40.0	+0.0	43.2	54.0	-10.8	Horiz
			+4.0	+5.4					R7_A1_M	A510_B	
									LE		
6	2483.500M	43.5	+0.0	+28.5	+0.3	-40.2	+0.0	41.7	54.0	-12.3	Horiz
	Ave		+4.1	+5.5					R7_A1_R8		
									A510_BLE	E_H_H2	
7	2483.500M	33.9	+0.0	+28.5	+0.3	-40.2	+0.0	32.1	54.0	-21.9	Horiz
	Ave		+4.1	+5.5					Bandedge_		
									MA510_B	LE	

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-22.4 Horiz
edge_R7_A1_
2_MA510_B
Z_DTS
-3.8 Horiz
sdge_R7_A1_
2_MA510_B
2_DTS_100k
eltam marker
eted 0.5
-5.5 Horiz
dge
R7_A1_R8_A
A510_BLE_H
S_1MHz_ave
0 -14.4 Horiz
edge_R7_A1_
10_BLE
4.0 -21.1 Horiz
edge_R7_A1_
10_DTS_100k
elta marker
added

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Test Location: CKC Laboratories, Inc. • 110 N. Olinda Place • Brea, CA 92823 • 714 993-6112

Customer: Walt Disney Parks and Resorts US, Inc.

Specification: 15.247(d) / 15.209 Radiated Spurious Emissions

Work Order #: 101978 Date: 1/3/2019
Test Type: Radiated Scan
Tested By: S. Yamamoto Sequence#: 4

Tested By: S. Yamamoto Sequence#: Software: EMITest 5.03.11

Equipment Tested:

Device Manufacturer Model # S/N
Configuration 1

Support Equipment:

Device	Manufacturer	Model #	S/N	
Configuration 1				

Test Conditions / Notes:

The EUT is placed on the Styrofoam block. ETHO is connected to remotely located support POE, Switch and laptop. ETH1 is connected to a section of UTP, USB ports are connected to section of USB cable, GPIO ports are terminated to simulated loads. RX port connects to a Dipole antenna. Micro USB Service port left unpopulated

Remote laptop runs test software to set the EUT into test mode.

Evaluation for Permissive Change II equipment authorization process with various antenna type and configurations. FCCID: 2AJS4-RN-R1G1

Radio port 7 and radio port 8 are connected to the antenna in accordance with available configuration.

Protocol:

BLE, 2402MHz, 2440MHz, 2480MHz DTS (proprietary): 2482MHz single channel

Ant1: PA2X2, 8dBi + 2 x 10ft Pasternack RG223/ U 2 with 6dB loss at 2440MHz

Ant2: MA510, 3.9dBi Ant3:MA673, 4.1 dBi

Ant4: HG2458, 13dBi + 2 x 10ft Pasternack RG223/ U 2 with 6dB loss at 2440MHz

Firmware power setting 0 dBm

Antenna under investigation: MA673

Frequency range of measurement = 2.39-2.4835 GHz. RBW=1 MHz,VBW=1 MHz unless otherwise noted.

Test environment conditions:

Temperature: 18°C, Relative Humidity: 53%, Pressure: 99kPa

Test method in accordance with FCC document: 558074 558074 D01 15.247 Meas Guidance v05. Investigation in all orientation, worst case orientation presented.

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ID	Asset #	Description	Model	Calibration Date	Cal Due Date
T1	AN02869	Spectrum Analyzer	E4440A	8/10/2018	8/10/2019
T2	ANP04382	Cable	LDF-50	6/2/2018	6/2/2020
T3	ANP07138	Cable	ANDL1-	3/1/2017	3/1/2019
			PNMNM-60		
T4	AN00787	Preamp	83017A	6/9/2017	6/9/2019
T5	ANP07247	Cable	32022-29094K-	7/5/2018	7/5/2020
			29094K-24TC		
T6	AN01646	Horn Antenna	3115	3/14/2018	3/14/2020

	rement Data:		Reading listed by margin.				Тє	est Distanc	e: 3 Meters		
#	Freq	Rdng	T1	T2	Т3	T4	Dist	Corr	Spec	Margin	Polar
	MHz	dΒμV	T5 dB	T6 dB	dB	dB	Table	dBuV/m	dBμV/m	dB	Ant
1	2390.000M	44.9	+0.0	+5.4	+0.0	+0.0	+0.0	50.3	54.0	-3.7	Vert
			+0.0	+0.0					bandedge		
									plot_R7_A	1 R8 A	
									2_MA673_		
									L2_peak		
2	2483.500M	49.3	+0.0	+5.5	+4.1	-40.2	+0.0	47.5	54.0	-6.5	Vert
	Ave		+0.3	+28.5					bandedge_	R7_A1_	
									MA673_D	TS_H_av	
									e		
	2483.500M	49.3	+0.0	+5.5	+4.1	-40.2	+0.0	47.5	54.0	-6.5	Vert
	Ave		+0.3	+28.5					bandedge		
									plot_R7_A		
									2_MA673_		
									2_DTS_av		
4	2400.000M	71.1	+0.0	+5.4	+4.0	-40.0	+0.0	69.1	78.5	-9.4	Vert
			+0.3	+28.3					bandedge_		
									MA673_B	LE_L_pe	
	- 100 0007 7	=0.0				40.0			ak	10.5	
5	2400.000M	70.3	+0.0	+5.4	+4.0	-40.0	+0.0	68.3	78.5	-10.2	Vert
			+0.3	+28.3					bandedge	1 DO 4	
									plot_R7_A		
									2_MA673_	_DLC_L_	
-	2390.000M	44.5	+0.0	+5.4	+4.0	-40.0	+0.0	42.5	L2_peak 54.0	-11.5	Vert
0	2390.000M	44.3	+0.0	+3.4	+4.0	-40.0	+0.0	42.3	bandedge_		vert
			+0.5	±20.3					MA673_B		
									ak	LL_L_pc	
7	2483.500M	36.3	+0.0	+5.5	+4.1	-40.2	+0.0	34.5	54.0	-19.5	Vert
	Ave		+0.3	+28.5					bandedge	-,	
									plot_R7_A	1 R8 A	
									2_MA673		
									_H2_ave	_	

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8 2483.5	00M 34.9	+0.0	+5.5	+4.1	-40.2	+0.0	33.1	54.0	-20.9	Vert
Ave	54.7	+0.3	+28.5	17.1	70.2	10.0	33.1	bandedge_l		VCIT
Avc		10.5	120.3					MA673_Bl		
								e	11_av_11_	
^ 2483.5	001/1 52.0	.00	. 5 5	. 4.1	40.2	.00	<i>5</i> 1 1		2.0	XI a set
^ 2483.5	00M 52.9	+0.0	+5.5	+4.1	-40.2	+0.0	51.1	54.0	-2.9	Vert
		+0.3	+28.5					deltamarke		
								ge_R7_A1		
								_DTS_H_1		
								peak correc	eted	
								0.3dB		
^ 2483.5	00M 51.5	+0.0	+5.5	+4.1	-40.2	+0.0	49.7	54.0	-4.3	Vert
		+0.3	+28.5					deltamarke	r_banded	
								ge		
								plot_R7_A	1_R8_A	
								2_MA673_	BLE_H	
								2_DTS_10	0kHz_pe	
								ak_correcte	ed 0.3dB	
^ 2483.5	00M 60.4	+0.0	+5.5	+4.1	-40.2	+0.0	58.6	74.0	-15.4	Vert
		+0.3	+28.5					bandedge_]	R7 A1	
								MA673_BI		
								ak	r	
^ 2483.5	00M 60.3	+0.0	+5.5	+4.1	-40.2	+0.0	58.5	74.0	-15.5	Vert
		+0.3	+28.5					bandedge		
								plot_R7_A	1 R8 A	
								2_MA673_		
								_H2_peak		
								_112_pcak		

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Test Location: CKC Laboratories, Inc. • 110 N. Olinda Place • Brea, CA 92823 • 714 993-6112

Customer: Walt Disney Parks and Resorts US, Inc.

Specification: 15.247(d) / 15.209 Radiated Spurious Emissions

Work Order #: 101978 Date: 12/25/2018
Test Type: Radiated Scan Time: 13:30:23
Tested By: S. Yamamoto Sequence#: 5

Software: EMITest 5.03.11

Equipment Tested:

Device	Manufacturer	Model #	S/N	
Configuration 1				

Support Equipment:

Device	Manufacturer	Model #	S/N	
Configuration 1				

Test Conditions / Notes:

The EUT is placed on the Styrofoam block. ETHO is connected to remotely located support POE, Switch and laptop. ETH1 is connected to a section of UTP, USB ports are connected to section of USB cable, GPIO ports are terminated to simulated loads. RX port connects to a Dipole antenna. Micro USB Service port left unpopulated

Remote laptop runs test software to set the EUT into test mode.

Evaluation for Permissive Change II equipment authorization process with various antenna type and configurations. FCCID: 2AJS4-RN-R1G1

Radio port 7 and radio port 8 are connected to the antenna in accordance with available configuration.

Protocol:

BLE, 2402MHz, 2440MHz, 2480MHz DTS (proprietary): 2482MHz single channel

Ant1: PA2X2, 8dBi + 2 x 10ft Pasternack RG223/ U 2 with 6dB loss at 2440MHz

Ant2: MA510, 3.9dBi Ant3:MA673, 4.1 dBi

Ant4: HG2458, 13dBi + 2 x 10ft Pasternack RG223/ U 2 with 6dB loss at 2440MHz

Firmware power setting 0 dBm

Antenna under investigation: HG2458

Frequency range of measurement = 2.39-2.4835 GHz. RBW=1 MHz,VBW=1 MHz unless otherwise noted.

Test environment conditions:

Temperature: 18°C, Relative Humidity: 53%, Pressure: 99kPa

Test method in accordance with FCC document: 558074 558074 D01 15.247 Meas Guidance v05. Investigation in all orientation, worst case orientation presented.

Site D

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ID	Asset #	Description	Model	Calibration Date	Cal Due Date
T1	AN02869	Spectrum Analyzer	E4440A	8/10/2018	8/10/2019
T2	ANP04382	Cable	LDF-50	6/2/2018	6/2/2020
T3	ANP07138	Cable	ANDL1-	3/1/2017	3/1/2019
			PNMNM-60		
T4	AN00787	Preamp	83017A	6/9/2017	6/9/2019
T5	ANP07247	Cable	32022-29094K-	7/5/2018	7/5/2020
			29094K-24TC		
T6	AN01646	Horn Antenna	3115	3/14/2018	3/14/2020

Measu	rement Data:	Re	eading lis	ted by ma	argin.		Те	est Distanc	e: 3 Meters	S	
#	Freq	Rdng	T1	T2	T3	T4	Dist	Corr	Spec	Margin	Polar
			T5	T6						4	
	MHz	dΒμV	dB	dB	dB	dB		•	dBµV/m	dB	Ant
1	2483.500M	54.0	+0.0	+5.5	+4.1	-40.2	+0.0	52.2	54.0	-1.8	Horiz
	Ave		+0.3	+28.5					bandedge_		
									R8_A2_H	_	
									LE_H2_D		
2	2483.500M	51.9	+0.0	+5.5	+4.1	-40.2	+0.0	50.1	54.0	-3.9	Horiz
	Ave		+0.3	+28.5					bandedge_		
									HG2458_I	DTS_H_a	
									ve		
3	2390.000M	48.1	+0.0	+5.4	+4.0	-40.0	+0.0	46.1	54.0	-7.9	Horiz
			+0.3	+28.3					bandedge_		
									R8_A2_H		
									LE_L_L2_		
4	2390.000M	47.6	+0.0	+5.4	+4.0	-40.0	+0.0	45.6	54.0	-8.4	Horiz
			+0.3	+28.3					bandedge_		
									HG2458_I	BLE_L_p	
									eak		
5	2400.000M	74.4	+0.0	+5.4	+4.0	-40.0	+0.0	72.4	82.9	-10.5	Horiz
			+0.3	+28.3					bandedge_		
									HG2458_I	BLE_L_p	
									eak		
6	2400.000M	74.1	+0.0	+5.4	+4.0	-40.0	+0.0	72.1	82.9	-10.8	Horiz
			+0.3	+28.3					bandedge_		
									R8_A2_H		
									LE_L_L2_		
7	2483.500M	39.6	+0.0	+5.5	+4.1	-40.2	+0.0	37.8	54.0	-16.2	Horiz
	Ave		+0.3	+28.5					bandedge_		
									R8_A2_H		
									LE_H_H2	_ave	

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8 2483.500M	37.4	+0.0	+5.5	+4.1	-40.2	+0.0	35.6	54.0	-18.4	Horiz
Ave		+0.3	+28.5					bandedge_1	R7_A1_	
								HG2458_B	LE_H_a	
								ve		
^ 2483.500M	65.3	+0.0	+5.5	+4.1	-40.2	+0.0	63.5	74.0	-10.5	Horiz
		+0.3	+28.5					bandedge_1	R7_A1_	
								HG2458_B		
								eak	1	
^ 2483.500M	53.9	+0.0	+5.5	+4.1	-40.2	+0.0	52.1	74.0	-21.9	Horiz
		+0.3	+28.5					deltamarke	r banded	
								ge_R7_A1		
								HG2458		
								_DTS_100		
								k corrected		
^ 2483.500M	52.6	+0.0	+5.5	+4.1	-40.2	+0.0	50.8	74.0	-23.2	Horiz
		+0.3	+28.5					deltamarke	rbandedg	
								e_R7_A1_1	_	
								_DTS_H_1		
								peak_corre		
								B		
								-		

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Test Setup Photo(s)



Antenna 1



Antenna 1



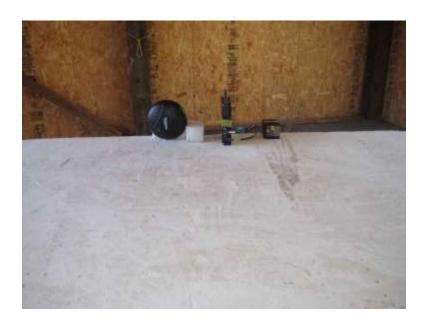


Antenna 2



Antenna 2





Antenna 3



Antenna 3





Antenna 4



Antenna 4





Above 1GHz, Cone placement



Above 1GHz, Cone placement



SUPPLEMENTAL INFORMATION

Measurement Uncertainty

Uncertainty Value	Parameter
4.73 dB	Radiated Emissions
3.34 dB	Mains Conducted Emissions
3.30 dB	Disturbance Power

Uncertainties reported are worst case for all CKC Laboratories' sites and represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k=2. Compliance is deemed to occur provided measurements are below the specified limits.

Emissions Test Details

TESTING PARAMETERS

Unless otherwise indicated, the following configuration parameters are used for equipment setup: The cables were routed consistent with the typical application by varying the configuration of the test sample. Interface cables were connected to the available ports of the test unit. The effect of varying the position of the cables was investigated to find the configuration that produced maximum emissions. Cables were of the type and length specified in the individual requirements. The length of cable that produced maximum emissions was selected.

The equipment under test (EUT) was set up in a manner that represented its normal use, as shown in the setup photographs. Any special conditions required for the EUT to operate normally are identified in the comments that accompany the emissions tables.

The emissions data was taken with a spectrum analyzer or receiver. Incorporating the applicable correction factors for distance, antenna, cable loss and amplifier gain, the data was reduced as shown in the table below. The corrected data was then compared to the applicable emission limits. Preliminary and final measurements were taken in order to ensure that all emissions from the EUT were found and maximized.

CORRECTION FACTORS

The basic spectrum analyzer reading was converted using correction factors as shown in the highest emissions readings in the tables. For radiated emissions in $dB\mu V/m$, the spectrum analyzer reading in $dB\mu V$ was corrected by using the following formula. This reading was then compared to the applicable specification limit. Individual measurements were compared with the displayed limit value in the margin column. The margin was calculated based on subtracting the limit value from the corrected measurement value; a positive margin represents a measurement exceeding the limit, while a negative margin represents a measurement less than the limit.

	SAMPLE CALCULATIONS									
	Meter reading (dBμV)									
+	Antenna Factor	(dB/m)								
+	Cable Loss	(dB)								
-	Distance Correction	(dB)								
-	Preamplifier Gain	(dB)								
=	Corrected Reading	(dBμV/m)								

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TEST INSTRUMENTATION AND ANALYZER SETTINGS

The test instrumentation and equipment listed were used to collect the emissions data. A spectrum analyzer or receiver was used for all measurements. Unless otherwise specified, the following table shows the measuring equipment bandwidth settings that were used in designated frequency bands. For testing emissions, an appropriate reference level and a vertical scale size of 10 dB per division were used.

MEASURING EQUIPMENT BANDWIDTH SETTINGS PER FREQUENCY RANGE									
TEST	BEGINNING FREQUENCY	ENDING FREQUENCY	BANDWIDTH SETTING						
CONDUCTED EMISSIONS	150 kHz	30 MHz	9 kHz						
RADIATED EMISSIONS	9 kHz	150 kHz	200 Hz						
RADIATED EMISSIONS	150 kHz	30 MHz	9 kHz						
RADIATED EMISSIONS	30 MHz	1000 MHz	120 kHz						
RADIATED EMISSIONS	1000 MHz	>1 GHz	1 MHz						

SPECTRUM ANALYZER/RECEIVER DETECTOR FUNCTIONS

The notes that accompany the measurements contained in the emissions tables indicate the type of detector function used to obtain the given readings. Unless otherwise noted, all readings were made in the "positive peak" detector mode. Whenever a "quasi-peak" or "average" reading was recorded, the measurement was annotated with a "QP" or an "Ave" on the appropriate rows of the data sheets. In cases where quasi-peak or average limits were employed and data exists for multiple measurement types for the same frequency then the peak measurement was retained in the report for reference, however the numbering for the affected row was removed and an arrow or caret ("^") was placed in the far left-hand column indicating that the row above takes precedence for comparison to the limit. The following paragraphs describe in more detail the detector functions and when they were used to obtain the emissions data.

Peak

In this mode, the spectrum analyzer or receiver recorded all emissions at their peak value as the frequency band selected was scanned. By combining this function with another feature called "peak hold," the measurement device had the ability to measure intermittent or low duty cycle transient emission peak levels. In this mode the measuring device made a slow scan across the frequency band selected and measured the peak emission value found at each frequency across the band.

Quasi-Peak

Quasi-peak measurements were taken using the quasi-peak detector when the true peak values exceeded or were within 2 dB of a quasi-peak specification limit. Additional QP measurements may have been taken at the discretion of the operator.

Average

Average measurements were taken using the average detector when the true peak values exceeded or were within 2 dB of an average specification limit. Additional average measurements may have been taken at the discretion of the operator. If the specification or test procedure requires trace averaging, then the averaging was performed using 100 samples or as required by the specification. All other average measurements are performed using video bandwidth averaging. To make these measurements, the test engineer reduces the video bandwidth on the measuring device until the modulation of the signal is filtered out. At this point, the measuring device is set into the linear mode and the scan time is reduced.

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