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FCC Part 15 Report of Measurements

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#### Unity Remote

Customer Name:	Deka Research and Development
Customer P.O:	DEKA 132937
Date of Report Rev:	June 18, 2020
Test Report No:	R-6508N-2, Rev. A
Test Start Date:	March 23, 2020
Test Finish Date:	March 24, 2020
Test Technician:	M. Seamans
Approved By:	T. Hannemann
Report Rev Prepared By:	T. Hannemann
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Technical Information				
Report Number:	R-6508N-2, Rev. A			
Customer:	Deka Research and Development			
Address:	340 Commercial St.			
_	Manchester, NH 03101			
Manufacturer:	Deka Research and Development			
Manufacturer Address:	340 Commercial St.			
_	Manchester, NH 03101			
Test Sample:	Unity Remote			
Model Number:	DKPI-21088-001			
Serial Number:	200130009			
FCC ID Number:	2ATGA02			
Antenna Type:	Planar Monopole Antenna Gain -10dB			
Power Requirements:	5 VDC via one (1) Lithium Ion Battery, which is charged via a 120 VAC, 60 Hz USB power adapter			
Frequency of Operation:	2.400 GHz to 2.4835 GHz			
Tested Frequencies: _	(3) Lowest channel, mid-band channel and highest channel			

#### **Test Specification:**

FCC Rules and Regulations Part 15, Subpart C, Section 15.249

#### Test Procedure:

ANSI C63.4:2014 ANSI C63.10:2013

#### **Test Facility:**

Retlif Testing Laboratories 101 New Boston Road Goffstown, NH 03045

FCC Designation Number: US5327



## **Tests Performed**

The test methods performed on the EUT are shown below:

Testing Dates	Test Method	Test Results
March 23, 2020	15.249 (a) Fundamental & Harmonic Emissions	Complied
March 23, 2020	15.249 (d) Out of Band/Bandedge Emissions	Complied
March 23, 2020	15.249 (e) Peak Field Strength	Complied
March 24, 2020	15.207 (a) Conducted Emissions	Complied

#### Test Sample Description:

The Unity Remote provides a means of programming / controlling the insulin pump and viewing data logs. The Remote is powered by an operator chargeable – rechargeable battery. The Remote connects to a 120 VAC to 5VDC USB adapter for charging the battery. The Remote uses Bluetooth to communicate with the Pump, communication includes commands, status, configuration info, and history logs.

The Unity Infusion Pump was manufactured by Deka Research & Development Corporation of Manchester, NH 03101.

#### Support Equipment:

Description	Manufacturer	Part Number	Model Number	Serial Number
Laptop Computer	Compaq	N/A	Presario CQ62	N/A
AC Adapter	Deka / FOS Power	DKPI-40033- 001	Aogek GPE161- 050340-Z	ACEBW20200320



#### **Certification and Signatures**

We certify that this report is a true representation of the results obtained from the tests of the equipment stated. We further certify that the measurements shown in this report were made in accordance with the procedures indicated and vouch for the qualifications of all Retlif Testing Laboratories personnel taking them.

Todd Hannemann EMC Test Engineer iNARTE Certified Technician ATL-0255-T

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Scott Wentworth Branch Manager

#### **Non-Warranty Provision**

The testing services have been performed, findings obtained and reports prepared in accordance with generally accepted laboratory principles and practices. This warranty is in lieu of all others, either expressed or implied.

#### Non-Endorsement

This test report contains only findings and results arrived at after employing the specific test procedures and standards listed herein. It is not intended to constitute a recommendation, endorsement or certification of the product or material tested. This report must not be used by the client to claim product endorsement by ANSI National Accreditation Board (ANAB).



#### **Revision History**

Revisions to this document are listed below; the latest revised document supersedes all previous issues of this document.

Revision	Date	Pages Affected
-	June 9, 2020	Original Release
А	June 18, 2020	Global Changes:
		<ul> <li>Test Report No. R-6508N-1to R-6508N-1, Rev. A</li> <li>7:</li> </ul>
		<ul> <li>Added RF exposure calculations</li> <li>17:</li> </ul>
		Added Conducted Emissions Test Setup Photo



#### Measurement Procedures:

# 15.249 (a/d) Field Strength of Fundamental, Harmonic and Out of Band/Band Edge Emissions (Radiated Emissions)

The field strength of the fundamental, harmonic and out of band/bandedge emissions were measured in the frequency range of 30 MHz to 25 GHz. The EUT was placed on a 80cm high wooden test stand located 3 meters from the test antenna on a FCC listed open area test site. Emissions from the EUT were maximized and the field strength of each observed emission was measured, recorded and compared to the specified limits of 15.249 (a)/(d)/(e)/15.209 as appropriate. Peak field strength of emissions were measured, recorded and verified to meet the specified limit (limit corresponds to 20dB above the maximum permitted average limit). When necessary, the marker/delta method was used to verify bandedge compliance.

Table 1 - Field Strength of Emissions, Limits
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Fundamental Frequency	Field Strength of Fundamental (millivolts/meter)	Field Strength of Harmonics (microvolts/meter)
2400 – 2483.5 MHz	50	500

#### FCC Part 15, Subpart C, Section 15.207(a), Conducted Emissions

The limits shown in Table 2 were used to determine compliance of the EUT.

Frequency (MHz)	Quasi-Peak (dBµV)	Average (dBµV)
0.15 to 0.5	66 to 56*	56 to 46*
0.5 to 5	56	46
5 to 30	60	50

#### Table 2 -Conducted Emissions, Test Limits

\*Decreases with the logarithm of the frequency.



#### **RF Exposure Limits**

Transmitters operating under 15.249 must be operated in a manner that ensures the public is not exposed to RF energy levels in access of the commission's guidelines. Based on the transmitter power and maximum antenna gain (see calculation below) the minimum separation distance was calculated to determine the distance for acceptable MPE power density levels to meet both the Occupational/Controlled Exposure and the General Population/Uncontrolled Exposure requirements of FCC Part 1.1310. The calculation below uses the more stringent General Population MPE Limits.

Field strength to power calculations from ANSI C63.10

E= Measured Electric Field Strength = 79.55 dBuV/M d = Radiated test Measurement Distance = 3 Meters

EIRP Log = E + 20log(d) -104.7 EIRP Log= 79.55+ 20log(3) -104.7 EIRP Log = -15.61 dBm EIRP Linear = 0.000027 W

Gain = Max Power Gain of Antenna = -10 dBi = 0.1 Numeric Power = EIRP Linear / Gain Numeric Power = 0.000027/0.1 Power = Max Power Input to Antenna = 0.03mW D = Minimum Separation Distance in cm S = Max allowed Power Density in mW/cmsg

Per 1.1310 For the Frequency of 2400 MHz S = 1 mW/cmsq

 $1 \text{ mW/cmsq} = \frac{0.03 \times 0.1}{4 \times (3.14) \times D^{2}} = \frac{0.003}{12.56 \times D^{2}}$ 

 $D^{2} = \frac{0.003}{12.56 \times 1}$ 

D =  $\sqrt{0.000239} = 0.015$  cm



#### **Equipment Lists**

#### **Field Strength of Emissions**

EN	Manufacturer	Description	Range	Model No.	Cal Date	Due Date
1232	AGILENT / HP	PRE-AMPLIFIER	1 - 26.5 GHz	8449B	5/24/2019	5/31/2020
3258	ETS / EMCO	ANTENNA, DOUBLE RIDGED GUIDE	1 - 18 GHz	3115	12/2/2019	6/30/2021
4029B	RETLIF	OPEN AREA TEST SITE, ATTENUATION	3 / 10 Meters	RNH	9/30/2019	9/30/2021
5070	ROHDE & SCHWARZ	RECEIVER, EMI	20 Hz - 40 GHz	ESIB40	1/23/2020	1/31/2021
5179B	MICRO-COAX	CABLE, COAXIAL	10 kHz - 18 GHz	UFB311A-1- 036050U50U	11/6/2019	11/30/2020
5242	TELEDYNE MICROWAVE	CABLE, COAXIAL	10 kHz - 6 GHz	PR90-195-1275, 106'	9/12/2019	9/30/2020

#### **Out of Band/Bandedge Emissions**

EN	Manufacturer	Description	Range	Model No.	Cal Date	Due Date
1232	AGILENT / HP	PRE-AMPLIFIER	1 - 26.5 GHz	8449B	5/24/2019	5/31/2020
3258	ETS / EMCO	ANTENNA, DOUBLE RIDGED GUIDE	1 - 18 GHz	3115	12/2/2019	6/30/2021
3427B	ETS / EMCO	ANTENNA, BICONICAL	20 - 200 MHz	3104	4/25/2019	10/31/2020
3430	MCS	ANTENNA, HORN	18 - 26.5 GHz	K-5039	No Calibration R	lequired
4029B	RETLIF	OPEN AREA TEST SITE, ATTENUATION	3 / 10 Meters	RNH	9/30/2019	9/30/2021
443	ELECTRO-METRICS	ANTENNA, LOG PERIODIC	200 MHz - 1000 MHz	LPA-25	12/13/2019	6/29/2021
5070	ROHDE & SCHWARZ	RECEIVER, EMI	20 Hz - 40 GHz	ESIB40	1/23/2020	1/31/2021
5179B	MICRO-COAX	CABLE, COAXIAL	10 kHz - 18 GHz	UFB311A-1- 036050U50U	11/6/2019	11/30/2020
5234	PASTERNACK	CABLE, COAXIAL	10 kHz - 18 GHz	PE302-230	8/14/2019	8/31/2020
5242	TELEDYNE MICROWAVE	CABLE, COAXIAL	10 kHz - 6 GHz	PR90-195-1275, 106'	9/12/2019	9/30/2020

#### **Field Strength of Harmonics**

EN	Manufacturer	Description	Range	Model No.	Cal Date	Due Date
1232	AGILENT / HP	PRE-AMPLIFIER	1 - 26.5 GHz	8449B	5/24/2019	5/31/2020
3258	ETS / EMCO	ANTENNA, DOUBLE RIDGED GUIDE	1 - 18 GHz	3115	12/2/2019	6/30/2021
3430	MCS	ANTENNA, HORN	18 - 26.5 GHz	K-5039	No Calibration	n Required
4029B	RETLIF	OPEN AREA TEST SITE, ATTENUATION	3 / 10 Meters	RNH	9/30/2019	9/30/2021
5070	ROHDE & SCHWARZ	RECEIVER, EMI	20 Hz - 40 GHz	ESIB40	1/23/2020	1/31/2021
5179B	MICRO-COAX	CABLE, COAXIAL	10 kHz - 18 GHz	UFB311A-1- 036050U50U	11/6/2019	11/30/2020
5229	FLORIDA RS TECHNOLOGY	CABLE, COAXIAL	DC - 40 GHz	FLRST-2.92 (102ö)	11/1/2019	11/30/2020
5234	PASTERNACK	CABLE, COAXIAL	10 kHz - 18 GHz	PE302-230	8/14/2019	8/31/2020



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#### **Conducted Emissions**

EN	Manufacturer	Description	Range	Model No.	Cal Date	Due Date
5070	ROHDE & SCHWARZ	RECEIVER, EMI	20 Hz - 40 GHz	ESIB40	1/23/2020	1/31/2021
5134	NARDA MICROWAVE	ATTENUATOR, COAXIAL	10 dB, DC - 12.4 GHz, 2 W	757C-10	12/13/2019	12/31/2020
5209	SOLAR ELECTRONICS	LISN	50 uH, 150 kHz - 30 MHz	21106-50-BP-25-BNC	5/16/2019	5/31/2020
5210	SOLAR ELECTRONICS	LISN	50 uH, 150 kHz - 30 MHz	21106-50-BP-25-BNC	5/16/2019	5/31/2020
5218	COM-POWER	GENERATOR, COMB	100 kHz - 400 MHz	CGC-510E	8/20/2019	8/31/2020
5250	DIGI-SENSE	HYGROMETER	0 - 50 deg. c, 10 - 90 % RH	20250-30	10/7/2019	10/31/2020



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Test Setup Photographs



### Test Setup Photographs Field Strength of Emissions



Horizontal Antenna Polarization



Vertical Antenna Polarization



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EUT Configuration





30 to 200 MHz, Horizontal Antenna Polarization



30 to 200 MHz, Vertical Antenna Polarization





200 MHz to 1 GHz, Horizontal Antenna Polarization



200 MHz to 1 GHz, Vertical Antenna Polarization





1 to 18 GHz, Horizontal Antenna Polarization



1 to 18 GHz, Vertical Antenna Polarization





18 to 26.5 GHz, Horizontal Antenna Polarization



18 to 26.5 GHz, Vertical Antenna Polarization



#### Test Setup Photographs Conducted Emissions



Test Setup



FCC Section 15.249(a) Field Strength of Emissions Test Data



## **RETLIF TESTING LABORATORIES**

	EMISSIONS TEST DATA SHEET
Test Method	Field Strength of Emissions - Fundamental Field Strength
Customer	DEKA Research and Development
Job Number	R-6508N-2
Test Sample	Unity Remote
Part Number	DKPI-21088-001
Serial Number	200130009
Test Specification	FCC Part 15, Subpart C Paragraph: 15.249(a)
<b>Operating Mode</b>	Transmitting Bluetooth Signal
Technician	M. Seamans
Date	March 23 <sup>rd</sup> , 2020
Notes: Test Distance: 3 m	eters Detector: Peak Resolution BW: 1MHz
$\mathbf{N} = \mathbf{D} + \mathbf{C} + \mathbf{I} + \mathbf{C}$	the second state of the Deal Deal in a DITT with the tensor it since the tensor is the tensor is the second state of the secon

No Duty Cycle Correction applied to the Peak Reading, EUT unable to transmit single pulse train at a defined Frequency.

			TEST PA	RAMETE	RS			
Frequency	Antenna Position	Measured level	Correction Factor	Corrected Peak Reading	Duty Cycle Factor	Peak Reading	Converted Peak Reading	Average Limit at 3m
MHz	H/V	dBuV	dB	dBuV/m	dB	dBuV/m	mV/m	mV/m
2402	V	77.92	1.63	79.55	0.00	79.55	9.495	50
2440	V	73.12	2.56	75.68	0.00	75.68	6.081	50
2480	V	73.34	3.52	76.86	0.00	76.86	6.966	50

			TEST PA	RAMETERS	5		
Frequency	Antenna Position	Measured level	Correction Factor	Corrected Peak Reading		Converted Peak Reading	Peak Limit at 3m
MHz	H/V	dBuV	dB	dBuV/m		mV/m	mV/m
2402	V	77.92	1.63	79.55		9.495	500
2440	V	73.12	2.56	75.68		6.081	500
2480	V	73.34	3.52	76.86		6.966	500

Peak Limit is 20dB higher than the Average limit.



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FCC Section 15.249(a) Field Strength of Harmonics Test Data



# **RETLIF TESTING LABORATORIES**

	EMISSIONS TEST DATA SHEET
Test Method	Field Strength of Harmonics
Customer	DEKA Research and Development
Job Number	R-6508N-2
Test Sample	Unity Remote
Part Number	DKPI-21088-001
Serial Number	200130009
Test Specification	FCC Part 15, Subpart C Paragraph: 15.249(a)
<b>Operating Mode</b>	Transmitting Bluetooth Signal
Technician	M. Seamans
Date	March 23 <sup>rd</sup> , 2020
Notes: Test Distance: 3 m	eters Detector: Peak (Ambient Measurements use Average Detector)
No Duty Cycle Co	mustion applied to the Deal Deading EUT unable to transmit single pulse train at a defined

No Duty Cycle Correction applied to the Peak Reading, EUT unable to transmit single pulse train at a defined Frequency.

			TEST ]	PARAMETH	ERS		
Test Frequency	Antenna Position	EUT Orientation	Peak Reading	Duty Cycle Correction	Corrected Reading	Converted Peak Reading	Average Limit at 3M
MHz	(H/V)	X/Y/Z	dBuV	dB	dBuV/m	uV/m	uV/m
1000.00	-	-	-	-	-	-	500.00
ĺ	-	-	-	-	-	-	
I	-	-	-	-	-	-	
4804.00*	Н	Y	35.21	-	35.21	57.61	
7206.00*	Н	Y	39.27	-	39.27	91.94	
9608.00*	Н	Y	42.30	-	42.30	130.32	
12010.00*	Н	Y	46.06	-	46.06	213.80	
14412.00*	Н	Y	49.84	-	49.84	310.46	
16814.00*	Н	Y	50.65	-	50.65	340.80	
19216.00*	Н	Y	28.55	-	28.55	26.76	
21618.00*	Н	Y	28.41	-	28.41	26.33	
24020.00*	Н	Y	29.20	-	29.20	28.84	
	-	-	-	-	-	-	
	-	-	-	-	-	-	
25000.00	-	-	-	-	-	-	500.00

frequency spectrum. \* Indicates Ambient Reading (Average Detector)

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FCC Section 15.249(d) Out of Band/Bandedge Emissions Test Data



	RETLIF TESTING LABORATORIES
	EMISSIONS TEST DATA SHEET
Test Method	Out of Band/Bandedge Emissions 30 MHz to 1 GHz
Customer	DEKA Research and Development
Job Number	R-6508N-2
Test Sample	Unity Remote
Part Number	DKPI-21088-001
Serial Number	200130009
<b>Test Specification</b>	FCC Part 15, Subpart C Paragraph: 15.249(d), 15.209
Operating Mode	Transmitting Bluetooth Signal
Technician	M. Seamans
Date	March 23 <sup>rd</sup> , 2020
Notes: Test Distance: 3 m	eters Detector: Quasi-Peak

			TEST	PARAMETH	ERS		
Frequency	Antenna Position	EUT Orientation	Meter Reading	Correction Factor	Corrected Reading		Limit at 3M
MHz	(H/V) / Height	Degrees	dBuV	dB	dBuV/m		dBuV/m
30.00	-	-	-	-	-		40.0
	-	-	-	-	-		
38.00*	V-1m	0.0	11.75	12.35	24.10	*	
	-	-	-	-	-		
88.00	-	-	-	-	-		40.0
88.00	-	-	-	-	-		43.5
	-	-	-	-	-		
115.00*	V-1m	0.0	8.34	14.56	22.90	*	
130.00*	V-1m	0.0	6.53	14.67	21.20	*	
170.00*	V-1m	0.0	8.24	17.26	25.50	*	
	-	-	-	-	-		
216.00	-	-	-	-	-		43.5
216.00	-	-	-	-	-		46.0
	-	-	-	-	-		
611.00*	V-1m	0.0	6.81	23.49	30.30	*	
	-	-	-	-	-		
960.00	-	-	-	-	-		46.0
960.00	-	-	-	-	-		54.0
	-	-	-	-	-		
975.00*	V-1m	0.0	7.89	29.71	37.60	*	
	-	-	-	-	-		
1000.00	-	-	-	-	-		54.0

EUT emissions within 10 dB of the specified test limit were evaluated at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).



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	EMISSIONS TEST DATA SHEET	
Test Method	Out of Band/Bandedge Emissions 1 GHz to 25 GHz	
Customer	DEKA Research and Development	
Job Number	R-6508N-2	
Test Sample	Unity Remote	
Part Number	DKPI-21088-001	
Serial Number	200130009	
Test Specification	FCC Part 15, Subpart C	Paragraph: 15.249(d), 15.209
<b>Operating</b> Mode	Transmitting Bluetooth Signal	
Technician	M. Seamans	
Date	March 23 <sup>rd</sup> , 2020	
Notes: Test Distance: 3	B meters Detector: Average	

Emissions at the band edges were measured to be more than 10 dB below the specified limit in 15.209.

Frequency	Antenna Position	EUT Orientation	Meter Reading	Correction Factor	Corrected Reading			Average Limit at 3M
MHz	(H/V) / Height	Degrees	dBuV	dB	dBuV/m			dBuV/n
1000.00	-	-	-	-	-			54.0
	-	-	-	-	-			
	-	-	-	-	-			
7206.00*	Н	0.0	32.02	7.25	39.27	*		
9608.00*	Н	0.0	32.19	10.11	42.30	*		
12010.00*	Н	0.0	32.41	13.65	46.06	*		
14412.00*	Н	0.0	32.76	17.08	49.84	*		
	-	-	-	-	-			
	-	-	-	-	-			
	-	-	-	-	-			
	-	-	-	-	-			
	-	-	-	-	-			
25000.00	-	-	-	-	-			54.0
EUT emissio requency sp Noise Floor	ns within 10 ectrum. * Th ).	dB of the specifie is emission is not	ed test limit we from the EUT	re evaluated at t . It is a measure	he specified test ment of minimu	distance the m measurer	roughout the generation of the second s	given ensitivity

Conducted Emissions 150 kHz to 30 MHz Test Data



Test	Specification:	FCC Part 15, Subpart	C, Section 15.20	7(a), Conducted Emi	ssions	
	Method:	ANSI C63.4. Section	7., AC power-line	e conducted emission	n measurements	
Job Numb	per/Customer:	R-6508N-2 / DEKA	Research and Dev	elopment		
Test Sample:		Unity Remote		1		
Part Number:		DKPI-21088-001				
S	erial Number:	200130009				
<b>Operating Mode:</b>		Transmitting Bluetoo	th signal, AC Ada	pter charging Remo	te and two batteries	S
Technician:		M. Seamans				
	Date(s):	March 24 <sup>th</sup> , 2020				
	Temperature:	21.4 °C				
Relat	ive Humidity:	25.0 %				
	Lead Tested:	120 VAC 60 Hz				
Frequency	Lead Tested	Peak Meter Reading	Quasi-Peak Meter Reading	Average Meter Reading	Quasi-Peak Limit	Average Limit
MHz		dBuV	dBuv	dBuV	dBuV	dBuV
0.228	Hot	35.67	34.80	31.10	62.56	52.56
0.150	Neutral	39.13	38.30	33.60	66.00	56.00
						17 (2
0.411	II.at	16.06	16.90	42.00	57 (2	
0.411	Hot	46.96	46.80	42.90	57.63	47.03
0.411 0.411	Hot Neutral	46.96 44.89	46.80 43.60	42.90 38.80	57.63 57.63	47.63
0.411 0.411	Hot Neutral Hot	46.96 44.89 35.44	46.80 43.60 34.20	42.90 38.80 30.50	57.63 57.63 56	47.63
0.411 0.411 0.538 0.506	Hot Neutral Hot Neutral	46.96 44.89 35.44 36.30	46.80 43.60 34.20 34.90	42.90 38.80 30.50 31.40	57.63 57.63 56 56	47.63
0.411 0.411 0.538 0.506	Hot Neutral Hot Neutral	46.96 44.89 35.44 36.30	46.80 43.60 34.20 34.90	42.90 38.80 30.50 31.40	57.63 57.63 56 56 56	47.63 47.63 46 46
0.411 0.411 0.538 0.506 0.808	Hot Neutral Hot Neutral Hot	46.96 44.89 35.44 36.30 36.90	46.80 43.60 34.20 34.90 34.30	42.90 38.80 30.50 31.40 31.30	57.63 57.63 56 56 56 56	47.63 47.63 46 46 46
0.411 0.411 0.538 0.506 0.808 0.664	Hot Neutral Hot Neutral Hot Neutral	46.96 44.89 35.44 36.30 36.90 35.80	46.80 43.60 34.20 34.90 34.30 32.60	42.90 38.80 30.50 31.40 31.30 28.70	57.63 57.63 56 56 56 56 56 56	47.63 47.63 46 46 46 46 46
0.411 0.411 0.538 0.506 0.808 0.664	Hot Neutral Hot Neutral Hot Neutral	46.96 44.89 35.44 36.30 36.90 35.80	46.80 43.60 34.20 34.90 34.30 32.60	42.90 38.80 30.50 31.40 31.30 28.70	57.63 57.63 56 56 56 56 56	47.63 47.63 46 46 46 46 46
0.411 0.411 0.538 0.506 0.808 0.664 1.184	Hot Neutral Hot Neutral Hot Neutral Hot Hot	46.96 44.89 35.44 36.30 36.90 35.80 34.80	46.80 43.60 34.20 34.90 34.30 32.60 33.40	42.90 38.80 30.50 31.40 31.30 28.70 29.20	57.63 57.63 56 56 56 56 56 56	47.63 47.63 46 46 46 46 46 46
0.411 0.411 0.538 0.506 0.808 0.664 1.184 9.748	Hot Neutral Hot Neutral Hot Neutral Hot Hot Neutral	46.96 44.89 35.44 36.30 36.90 35.80 34.80 31.11	46.80 43.60 34.20 34.90 34.30 32.60 33.40 30.20	42.90 38.80 30.50 31.40 31.30 28.70 29.20 24.00	57.63 57.63 56 56 56 56 56 56 56 60	47.63 47.63 46 46 46 46 46 46 46 50
0.411 0.411 0.538 0.506 0.808 0.664 1.184 9.748	Hot Neutral Hot Neutral Hot Neutral Hot Neutral	46.96 44.89 35.44 36.30 36.90 35.80 34.80 31.11	46.80 43.60 34.20 34.90 34.30 32.60 33.40 30.20	42.90 38.80 30.50 31.40 31.30 28.70 29.20 24.00	57.63 57.63 56 56 56 56 56 56 56 60	$   \begin{array}{r}     47.63 \\     47.63 \\     46 \\     46 \\     46 \\     46 \\     46 \\     50 \\   \end{array} $
0.411 0.411 0.538 0.506 0.808 0.664 1.184 9.748 9.721	Hot Neutral Hot Neutral Hot Neutral Hot Neutral Hot Neutral Hot	46.96 44.89 35.44 36.30 36.90 35.80 34.80 31.11 29.11	46.80 43.60 34.20 34.90 34.30 32.60 33.40 30.20 26.60	42.90 38.80 30.50 31.40 31.30 28.70 29.20 24.00 22.80	57.63 57.63 56 56 56 56 56 56 60 60	$   \begin{array}{r}     47.63 \\     47.63 \\     46 \\     46 \\     46 \\     46 \\     46 \\     50 \\     50 \\     50 \\   \end{array} $

