



Page 1 of 34

TEST REPORT

RGB Speaker PAR38 Lamp Product N/A Trade mark LED+14DPAR38M/WWRGBSPK Model/Type reference LED+14DPAR38M/DLRGBSPK N/A Serial Number : **Report Number** EED32N81004702 FCC ID PUU-LEDX14DPAR38M Date of Issue Dec. 02, 2021 **Test Standards** 47 CFR Part 15 Subpart C Test result PASS

Prepared for:

Savant Technologies LLC dba GE Lighting, a Savant company 1975 Noble Road Cleveland Ohio United States 44112

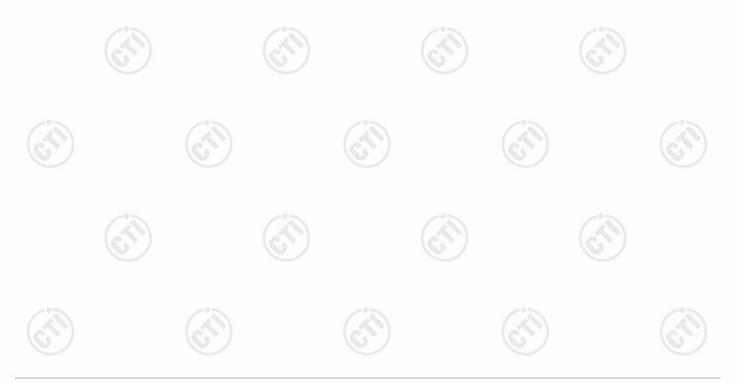
Prepared by: Centre Testing International Group Co., Ltd. Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China TEL: +86-755-3368 3668 FAX: +86-755-3368 3385 mark chen. Reviewed by: Compiled by: Mark Chen Aaron Ma David Wang Dec. 02, 2021 Date: David Wang Check No.: 2011121021 Report Seal





Page 2 of 34

1 CONTENT			
2 VERSION			
3 TEST SUMMARY			
4 GENERAL INFORMATION			
 4.2 GENERAL DESCRIPTION OF EUT 4.3 PRODUCT SPECIFICATION SUBJEC 4.4 TEST CONFIGURATION 4.5 TEST ENVIRONMENT 4.6 DESCRIPTION OF SUPPORT UNITS 4.7 TEST LOCATION 4.8 MEASUREMENT UNCERTAINTY (95) 	TIVE TO THIS STANDARD	9	<u>.</u>
5 EQUIPMENT LIST		,	
6 TEST RESULTS AND MEASUREM	ENT DATA		
 6.1 ANTENNA REQUIREMENT 6.2 AC POWER LINE CONDUCTED EM 6.3 MAXIMUM CONDUCTED OUTPUT F 6.4 DTS BANDWIDTH 6.5 MAXIMUM POWER SPECTRAL DEM 6.6 BAND EDGE MEASUREMENTS AND 6.7 RADIATED SPURIOUS EMISSION & 	NISSION POWER NSITY CONDUCTED SPURIOUS EM	ISSION	Ì
7 APPENDIX A			
PHOTOGRAPHS OF TEST SETUP			
PHOTOGRAPHS OF EUT CONSTRU			

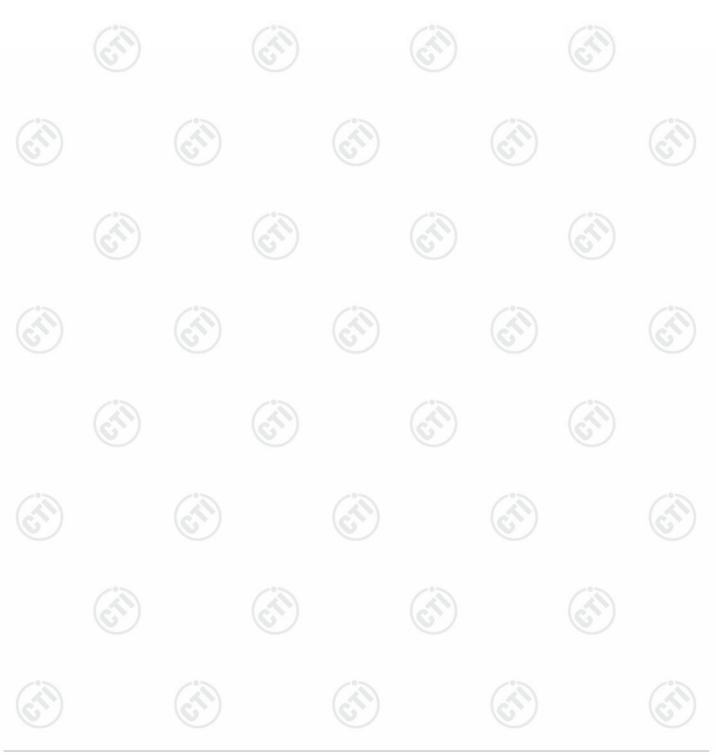




2 Version

Page 3 of 34

	Version No.	Date	1	Description	
	00	Dec. 02, 2021		Original	
5	/	1	12	2°2	12
		S)	(\mathcal{E}^{S})		



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3 Test Summary



Page 4 of 34

Test Item	Test Requirement	Result	
Antenna Requirement	47 CFR Part 15 Subpart C Section 15.203/15.247 (c)	PASS	
AC Power Line Conducted Emission	47 CFR Part 15 Subpart C Section 15.207	PASS	
DTS Bandwidth	47 CFR Part 15 Subpart C Section 15.247 (a)(2)	PASS	
Maximum Conducted Output Power	47 CFR Part 15 Subpart C Section 15.247 (b)(3)	PASS	
Maximum Power Spectral Density	47 CFR Part 15 Subpart C Section 15.247 (e)	PASS	
Band Edge Measurements	47 CFR Part 15 Subpart C Section 15.247(d)	PASS	
Conducted Spurious Emissions	47 CFR Part 15 Subpart C Section 15.247(d)	PASS	
Radiated Spurious Emission & Restricted bands	47 CFR Part 15 Subpart C Section 15.205/15.209	PASS	

Remark:

Company Name and Address shown on Report, the sample(s) and sample Information were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.

Model/Type reference:LED+14DPAR38M/WWRGBSPK,LED+14DPAR38M/DLRGBSPK

Only the model LED+14DPAR38M/WWRGBSPK was tested, the difference between each model is only for the model name is different, the color temperature is different, the rest circuit principle, the internal structure, the PCB Layout and the safety key parts are the same, does not affect the EMC and RF test.





4 General Information

4.1 Client Information

Applicant:	Savant Technologies LLC dba GE Lighting, a Savant company
Address of Applicant:	1975 Noble Road Cleveland Ohio United States 44112
Manufacturer:	Savant Technologies LLC dba GE Lighting, a Savant company
Address of Manufacturer:	1975 Noble Road Cleveland Ohio United States 44112
Factory:	Shenzhen H&T Intelligent Lighting Co., Ltd
Address of Factory:	H&T Industrial Park,NO.18 Bao Shan Road,Tian Liao Community, Guangming New District,Shenzhen, Guangdong ,China. P.R.C 518106

Page 5 of 34

4.2 General Description of EUT

Product Name:	RGB Speaker PAR38 Lamp			
Model No.(EUT):	LED+14DPAR38M/WWRGBSPK			
Trade mark:	N/A	(°>>		13
EUT Supports Radios application:	5731MHz to 5795MHz	(S)		(S)
Power Supply:	120V 60Hz 130mA			
Test Voltage:	120V 60Hz 130mA	2		
Sample Received Date:	Oct. 15, 2021		(\mathcal{C})	
Sample tested Date:	Oct. 15, 2021 to Nov. 05, 2021		\sim	

4.3 **Product Specification subjective to this standard**

	/ /			
Operation Frequency:	5731MHz to 5795MHz			
Modulation Type:	GFSK	67)		6
Number of Channel:	33	\bigcirc		\smile
Test Power Grade:	Default			
Software Version:	N/A	(3)		
Antenna Type and Gain:	Type: FPC Antenna Gain: 3.91dBi	(S)	(\mathcal{C})	





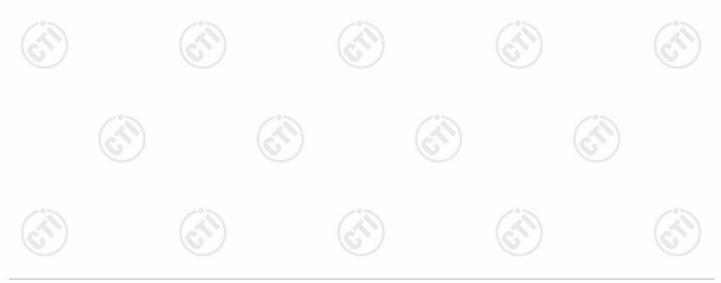
Page 6 of 34

Operation F	-requency eac	h of channe	1	(c))	63)
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	5731MHz	10	5751MHz	20	5771MHz	30	5791MHz
1	5733MHz	11	5753MHz	21	5773MHz	31	5793MHz
2	5735MHz	12	5755MHz	22	5775MHz	32	5795MHz
3	5737MHz	13	5757MHz	23	5777MHz		
4	5739MHz	14	5759MHz	24	5779MHz		
5	5741MHz	15	5761MHz	25	5781MHz	12	
6	5743MHz	16	5763MHz	26	5783MHz	G)
7	5745MHz	17	5765MHz	27	5785MHz		
8	5747MHz	18	5767MHz	28	5787MHz		
9	5749MHz	19	5769MHz	29	5789MHz		

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The lowest channel (CH0)	5731MHz
The middle channel (CH18)	5767MHz
The highest channel (CH32)	5795MHz







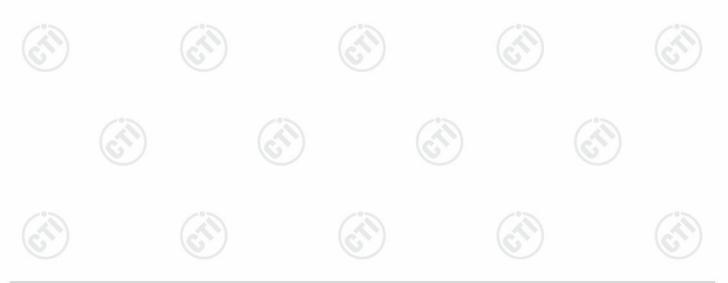
Page 7 of 34

4.4 Test Configuration

EUT Test Software	Settings:						
Software:	N/A	-0-	-0-	154			
EUT Power Grade:	Class2 (Po selected)	Class2 (Power level is built-in set parameters and cannot be changed and selected)					
Use test software to transmitting of the EU	set the lowest frequency JT.	/, the middle freque	ncy and the highest f	frequency keep			
Test Mode	Modulation	Rate	Channel	Frequency(MHz)			
Mode a	GFSK	1Mbps	СН0	5731			
Mode b	GFSK	1Mbps	CH18	5767			
Mode c	GFSK	1Mbps	CH32	5795			

4.5 Test Environment

	Operating Environment	::					
	Radiated Spurious Emi	ssions:					
	Temperature:	22~25.0 °C					
	Humidity:	50~55 % RH					
	Atmospheric Pressure:	1010mbar		(\mathcal{C})		(\mathcal{O})	
	RF Conducted:	·					
	Temperature:	22~25.0 °C					
1	Humidity:	50~55 % RH	20		13		13
2)	Atmospheric Pressure:	1010mbar	<u>(</u> 2)		(\sim)		(2)
	Conducted Emissions:						
	Temperature:	22~25.0 °C					
	Humidity:	50~55 % RH		-		-	
-	Atmospheric Pressure:	1010mbar					
	6	67		67		67	







Page 8 of 34

Report No.: EED32N81004702

4.6 Description of Support Units

The EUT has been tested with associated equipment below.

4.7 Test Location



All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385 No tests were sub-contracted. FCC Designation No.: CN1164

4.8 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9 x 10 ⁻⁸
2		0.46dB (30MHz-1GHz)
2	RF power, conducted	0.55dB (1GHz-18GHz)
3		3.3dB (9kHz-30MHz)
	Padiated Spurious omission test	4.3dB (30MHz-1GHz)
	Radiated Spurious emission test	4.5dB (1GHz-18GHz)
		3.4dB (18GHz-40GHz)
4	Conduction emission	3.5dB (9kHz to 150kHz)
4	Conduction emission	3.1dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%







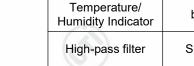


5 Equipment List

Conducted disturbance Test						
Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)	
Receiver	R&S	ESCI	100435	04-15-2021	04-14-2022	
Temperature/ Humidity Indicator	Defu	TH128	/		(6	
LISN	R&S	ENV216	100098	03-04-2021	03-03-2022	
Barometer	changchun	DYM3	1188			

		RF test s	ystem					
Equipment	Manufacturer	ufacturer Mode No.		Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)			
Spectrum Analyzer	Keysight	N9010A	MY54510339	12-28-2020	12-27-2021			
Signal Generator	Keysight	N5182B	MY53051549	12-28-2020	12-27-2021			
Spectrum Analyzer	R&S	FSV40	101200	08-26-2021	08-25-2022			
Temperature/ Humidity Indicator	biaozhi HM10		1804186	06-24-2021	06-23-2022			
High-pass filter	Sinoscite	FL3CX03WG18 NM12-0398-002	(<u>~</u>)	(<u>(</u>)			
High-pass filter	MICRO- TRONICS	SPA-F-63029-4						
DC Power	Keysight	E3642A	MY56376072	12-28-2020	12-27-2021			
Power unit	R&S	OSP120	101374	12-28-2020	12-27-2021			
RF control unit	JS Tonscend	JS0806-2	158060006	12-28-2020	12-27-2021			
BT&WI-FI Automatic test software	JS Tonscend	JS1120-3						
		9		(1			

Equipment	Manufacturer Model No. TDK SAC-3		Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy) 05-23-2022 05-15-2022	
3M Chamber & Accessory Equipment				05-24-2019		
TRILOG Broadband Antenna	Schwarzbeck	Schwarzbeck VULB9163		05-16-2021		
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04-15-2021	04-14-2024 10-13-2022	
Receiver	R&S	ESCI7	100938-003	10-14-2021		
Multi device Controller	maturo	NCD/070/10711 112		(<u> </u>	
Temperature/ Humidity Indicator	Shanghai qixiang	HM10	1804298	06-24-2021	06-23-2022	
Cable line	Fulai(7M)	SF106	5219/6A			
Cable line	Fulai(6M)	SF106	5220/6A			
Cable line	Fulai(3M)	SF106	5216/6A	2°37	/	
Cable line	Fulai(3M)	SF106	5217/6A		()	













Page 10 of 34

3M full-anechoic Chamber								
Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)			
RSE Automatic test software	JS Tonscend	JS36-RSE	10166					
Receiver	Keysight	N9038A	MY57290136	03-04-2021	03-03-2022			
Spectrum Analyzer	Keysight	N9020B	MY57111112	03-04-2021	03-03-2022			
Spectrum Analyzer	Keysight	N9030B	MY57140871	03-04-2021	03-03-2022			
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-28-2021	04-27-2024			
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-15-2021	04-14-2024			
Horn Antenna	ETS- LINDGREN	3117	00057407	07-04-2021	07-03-2024			
Preamplifier	EMCI	EMC184055SE	980597	05-20-2021	05-19-2022			
Preamplifier	EMCI	EMC001330	980563	04-15-2021	04-14-2022			
Preamplifier	JS Tonscend	980380	EMC051845 SE	12-31-2020	12-30-2021			
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	04-16-2021	04-15-2022			
Fully Anechoic Chamber	ТДК	FAC-3		01-09-2021	01-08-2024			
Cable line	Times	SFT205-NMSM- 2.50M	394812-0001	(S)			
Cable line	Times	SFT205-NMSM- 2.50M	394812-0002					
Cable line	Times	SFT205-NMSM- 2.50M	394812-0003	<'>	/			
Cable line	Times	SFT205-NMSM- 2.50M	393495-0001		(c			
Cable line	Times	EMC104-NMNM- 1000	SN160710					
Cable line	Times	SFT205-NMSM- 3.00M	394813-0001					
Cable line	Times	SFT205-NMNM- 1.50M	381964-0001	(- (2)			
Cable line	Times	SFT205-NMSM- 7.00M	394815-0001	(9			
Cable line	Times	HF160-KMKM- 3.00M	393493-0001					















6 Test results and Measurement Data

6.1 Antenna Requirement

Standard requirement: 47 CFR Part 15C Section 15.203 /247(c)

15.203 requirement:

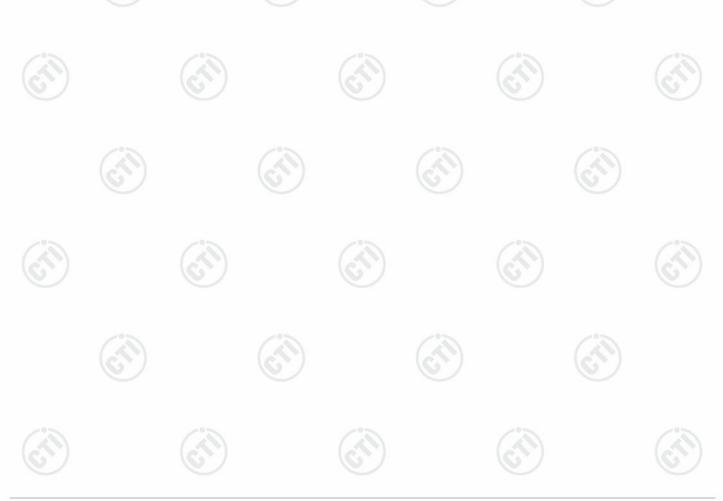
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:	Please see Internal photos	
The enterna is EPC Antenn	a. The best case gain of the antenna is 3 01dRi	

The antenna is FPC Antenna. The best case gain of the antenna is 3.91dBi.







Page 12 of 34

6.2 AC Power Line Conducted Emission

	Test Requirement:	47 CFR Part 15C Section 15	.207					
	Test Method:	ANSI C63.10: 2013						
10	Test Frequency Range:	150kHz to 30MHz						
6	Receiver setup:	RBW=9 kHz, VBW=30 kHz,	Sweep time=auto					
6	Limit:		Limit ((dBuV)				
		Frequency range (MHz)	Quasi-peak	Average				
		0.15-0.5	66 to 56*	56 to 46*				
		0.5-5	56	46				
		5-30	60	50				
		* Decreases with the logarith	m of the frequency.					
	Test Setup:	-2						
S.		Shielding Room	AE	Test Receiver				
		AC Mains	80km					
(č–	Test Procedure:	 The mains terminal distures room. The EUT was connected 	-					
Ś		 impedance. The power ca connected to a second LI reference plane in the sam measured. A multiple soc power cables to a single I exceeded. 3) The tabletop EUT was place 	ables of all other units of SN 2, which was bond me way as the LISN 1 ket outlet strip was use LISN provided the ratin aced upon a non-metal	ed to the ground for the unit being ed to connect multiple g of the LISN was not lic table 0.8m above the				
(S		 ground reference plane. A placed on the horizontal g 4) The test was performed w of the EUT shall be 0.4 m vertical ground reference reference plane. The LISI unit under test and bonder mounted on top of the group between the closest point the EUT and associated e 5) In order to find the maxim 	ground reference plane with a vertical ground re- plane was bonded to t N 1 was placed 0.8 m f d to a ground reference ound reference plane. T is of the LISN 1 and the equipment was at least	eference plane. The rear nd reference plane. The he horizontal ground from the boundary of the e plane for LISNs This distance was e EUT. All other units of 0.8 m from the LISN 2.				







Page 13 of 34

		nt and all of th 3.10: 2013 on		changed acc	ording to
Exploratory Test Mode		g transmitting the lowest, m		lation and all	kind of
Test Results:	Pass				

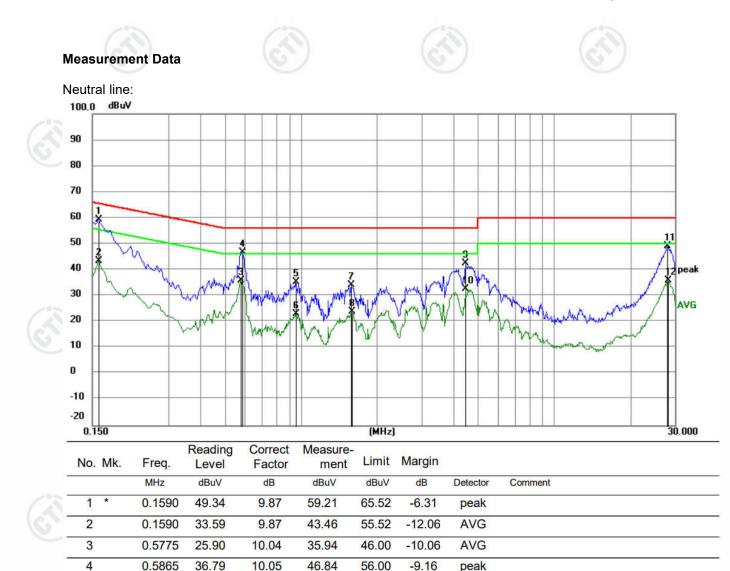
Hotline:400-6788-333 www.cti-cert.com E-mail:info@cti-cert.com Complaint call:0755-33681700 Complaint E-mail:complaint@cti-cert.com







Page 14 of 34



Remark:

5

6

7

8

9

10

11

12

1. The following Quasi-Peak and Average measurements were performed on the EUT:

35.21

23.01

34.06

24.05

42.56

32.65

49.11

35.96

56.00

46.00

56.00

46.00

56.00

46.00

60.00

50.00

-20.79

-22.99

-21.94

-21.95

-13.44

-13.35

-10.89

-14.04

peak

AVG

peak

AVG

peak

AVG

peak

AVG

2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

9.84

9.84

9.81

9.81

9.78

9.78

10.02

10.02

25.37

13.17

24.25

14.24

32.78

22.87

39.09

25.94

0.9555

0.9555

1.5809

1.5900

4.4699

4.4699

27.9915

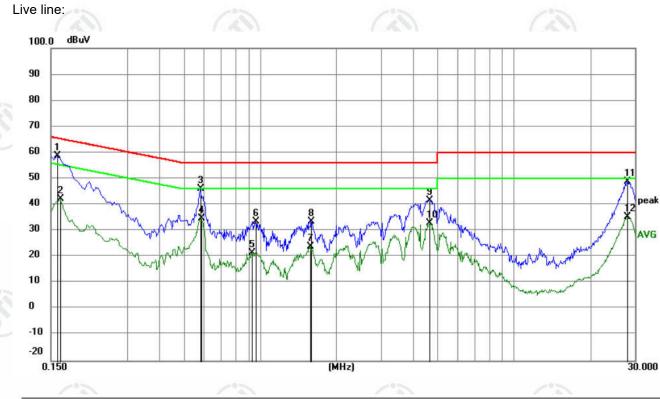
28.0995

3. If the Peak value under Average limit, the Average value is not recorded in the report.





Page 15 of 34

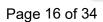


No. N	1k.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *		0.1590	48.97	9.87	58.84	65.52	-6.68	peak	
2		0.1635	32.33	9.87	42.20	55.28	-13.08	AVG	
3		0.5820	36.11	10.05	46.16	56.00	-9.84	peak	
4		0.5865	24.66	10.05	34.71	46.00	-11.29	AVG	
5		0.9240	11.73	9.85	21.58	46.00	-24.42	AVG	
6		0.9600	23.72	9.84	33.56	56.00	-22.44	peak	
7		1.5765	14.13	9.81	23.94	46.00	-22.06	AVG	
8		1.5900	23.64	9.81	33.45	56.00	-22.55	peak	
9		4.6455	31.77	9.78	41.55	56.00	-14.45	peak	
10		4.6590	23.21	9.78	32.99	46.00	-13.01	AVG	
11		27.9870	38.93	10.02	48.95	60.00	-11.05	peak	
12		27.9870	25.36	10.02	35.38	50.00	-14.62	AVG	
			52		_				×

Remark:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
- 3. If the Peak value under Average limit, the Average value is not recorded in the report.





6.3 Maximum Conducted Output Power

	Test Requirement:	47 CFR Part 15C Section 15.247 (b)(3)					
	Test Method:	ANSI C63.10 2013					
Ś	Test Setup:		(A)				
		Control Computer Power Suppy TEMPERATURE CABNET Table					
		Remark: Offset=Cable loss+ attenuation factor.					
	Test Procedure:	 a) Set the RBW ≥ DTS bandwidth. b) Set VBW ≥ 3 × RBW. c) Set span ≥ 3 x RBW d) Sweep time = auto couple. e) Detector = peak. f) Trace mode = max hold. g) Allow trace to fully stabilize. h) Use peak marker function to determine the peak amplitude level. 					
	Limit:	30dBm					
6	Test Mode:	Refer to clause 5.3	67				
	Test Results:	Refer to Appendix C					







6.4 DTS Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(2)
Test Method:	ANSI C63.10 2013
Test Setup:	
	Control Computer Power Supply TemPERATURE CABNET Table
	Remark: Offset=Cable loss+ attenuation factor.
Test Procedure:	 a) Set RBW = 100 kHz. b) Set the VBW ≥[3 × RBW]. c) Detector = peak. d) Trace mode = max hold. e) Sweep = auto couple. f) Allow the trace to stabilize. g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.
Limit:	≥ 500 kHz
Test Mode:	Refer to clause 5.3
Test Results:	Refer to Appendix A



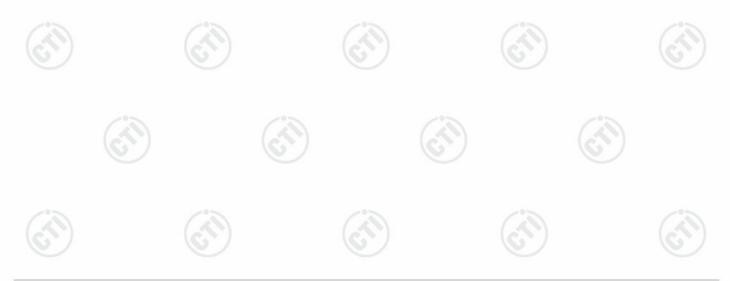




Page 18 of 34

6.5 Maximum Power Spectral Density

	Test Requirement:	47 CFR Part 15C Section 15.247 (e)
	Test Method:	ANSI C63.10 2013
3	Test Setup:	
		Control Computer Computer Suppr Power Suppr TemPerature cabnet Table
		Remark: Offset=Cable loss+ attenuation factor.
	Test Procedure:	 a) Set analyzer center frequency to DTS channel center frequency. b) Set the span to 1.5 times the DTS bandwidth. c) Set the RBW to 3 kHz < RBW < 100 kHz. d) Set the VBW > [3 × RBW]. e) Detector = peak. f) Sweep time = auto couple. g) Trace mode = max hold. h) Allow trace to fully stabilize. i) Use the peak marker function to determine the maximum amplitude level within the RBW. j) If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.
	Limit:	≤8.00dBm/3kHz
	Test Mode:	Refer to clause 5.3
	Test Results:	Refer to Appendix D







Page 19 of 34

6.6 Band Edge measurements and Conducted Spurious Emission

	100						
	Test Requirement:	47 CFR Part 15C Section 15.247 (d)					
	Test Method:	ANSI C63.10 2013					
Ś	Test Setup:	Control Control Control Power Supply TemPERATURE CABNET Table					
		Remark: Offset=Cable loss+ attenuation factor.					
ć	Test Procedure:	 a) Set RBW =100KHz. b) Set VBW = 300KHz. c) Sweep time = auto couple. d) Detector = peak. e) Trace mode = max hold. f) Allow trace to fully stabilize. g) Use peak marker function to determine the peak amplitude level. 					
a	Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.					
6	Test Mode:	Refer to clause 5.3					
	Test Results:	Refer to Appendix E and F					







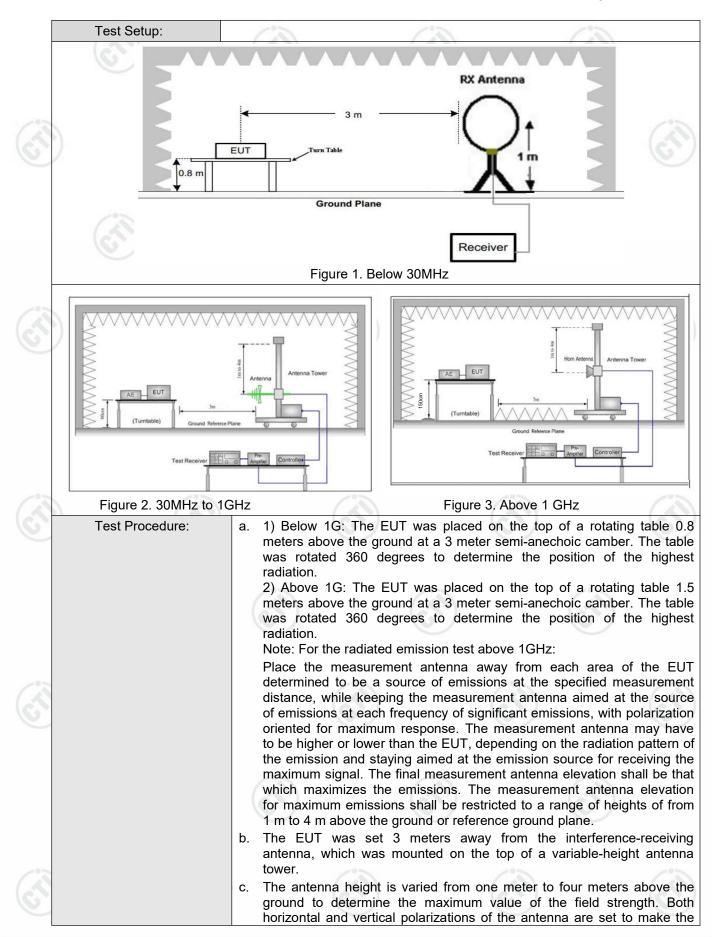
Page 20 of 34

6.7 Radiated Spurious Emission & Restricted bands

	Test Requirement:	47 CFR Part 15C Section	ion 15	.209 and 15	.205		U	/		
	Test Method:	ANSI C63.10 2013								
	Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)								
	Receiver Setup:	Frequency		Detector	RBW	VE	W	Remark		
9		0.009MHz-0.090MH	łz	Peak	10kHz	z 30k	κHz	Peak		
		0.009MHz-0.090MH	łz	Average	10kHz	z 30k	Hz	Average		
		0.090MHz-0.110MH	łz	Quasi-peak	10kHz	z 30k	κHz	Quasi-peak		
		0.110MHz-0.490MH	łz	Peak	10kHz	z 30k	Hz	Peak		
		0.110MHz-0.490MH	łz	Average	10kHz	z 30k	Hz	Average		
		0.490MHz -30MHz	z	Quasi-peak	10kHz	z 30k	Hz	Quasi-peak		
		30MHz-1GHz		Quasi-peak	100 kH	lz 300	300kHz Quasi-			
13				Peak	1MHz	3M	Hz	Peak		
S I		Above 1GHz	S) [Peak	1MHz	: 10k	κHz	Average		
	Limit:	Frequency		d strength ovolt/meter)	Limit (dBuV/m)	Remark		Measuremer distance (m		
		0.009MHz-0.490MHz	240	00/F(kHz)	-	-	12	300		
		0.490MHz-1.705MHz	240	00/F(kHz)	-			30		
		1.705MHz-30MHz		30	-			30		
		30MHz-88MHz		100	40.0	Quasi-	peak	3		
		88MHz-216MHz		150	43.5	Quasi-	peak	3		
		216MHz-960MHz	9	200	46.0	Quasi-	peak	3		
(C)		960MHz-1GHz		500	54.0	Quasi-	peak	3		
		Above 1GHz		500	54.0	Avera	age	3		
		Note: 15.35(b), frequency emissions is limit applicable to the e peak emission level rac	s 20dB equipn	above the nent under t	maximum est. This p	permitte	d ave	erage emission		





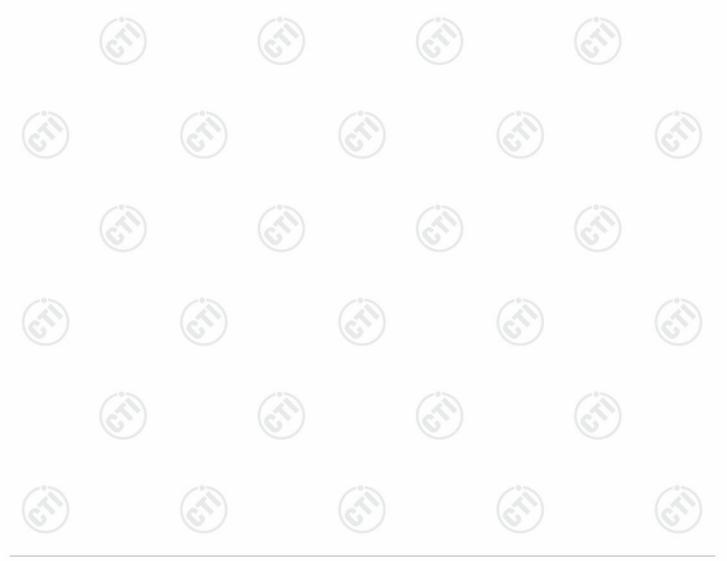






Page 22 of 34

		measurement.
		d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
a		e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
		f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
		g. Test the EUT in the lowest channel (2402MHz),the middle channel (2440MHz),the Highest channel (2480MHz)
		h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
		i. Repeat above procedures until all frequencies measured was complete.
6	Test Mode:	Refer to clause 5.3
	Test Results:	Pass





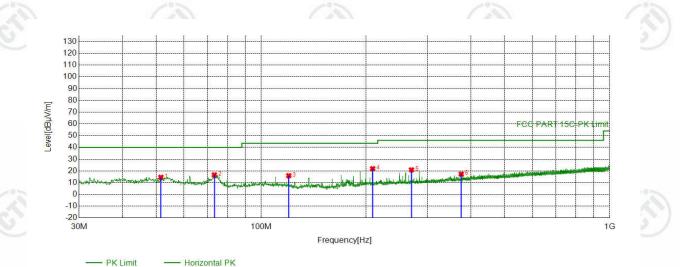
Page 23 of 34

Report No.: EED32N81004702

Radiated Spurious Emission below 1GHz:

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes, only the worst case highest channel of 5.8G was recorded in the report.

Test Graph



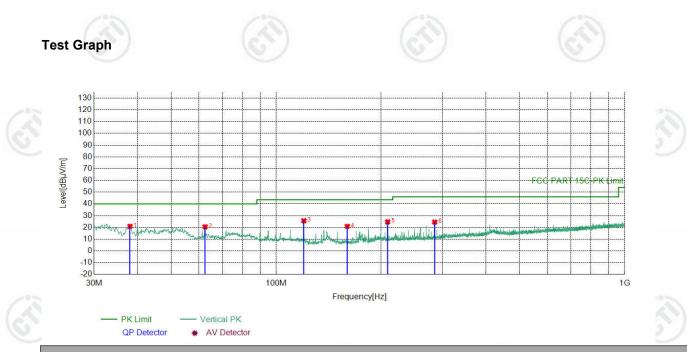
T I'V LITTIC	Thomas of the first
QP Detector	AV Detector

N	C	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1		51.5362	-17.38	32.00	14.62	40.00	25.38	PASS	Horizontal	PK
2		73.3633	-21.39	38.03	16.64	40.00	23.36	PASS	Horizontal	PK
3		120.0250	-20.08	36.01	15.93	43.50	27.57	PASS	Horizontal	PK
4		208.8859	-17.63	39.56	21.93	43.50	21.57	PASS	Horizontal	PK
5		270.0020	-16.15	37.05	20.90	46.00	25.10	PASS	Horizontal	PK
6		375.0635	-13.45	30.75	17.30	46.00	28.70	PASS	Horizontal	PK



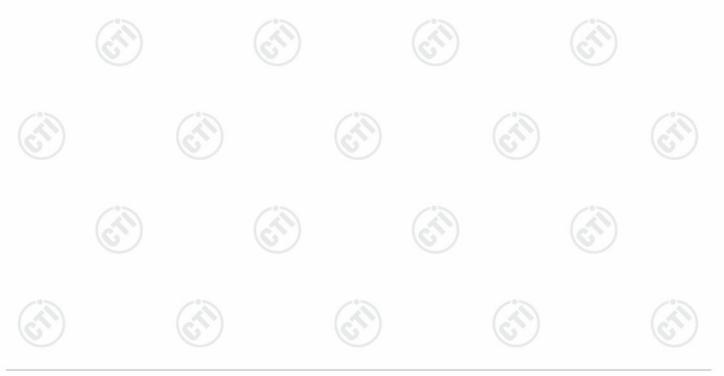


Page 24 of 34



Suspected List

	Juspecie		-							
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
đ	1	38.0518	-18.64	39.58	20.94	40.00	19.06	PASS	Vertical	PK
F	-	00.0010	-10.04	00.00	20.04	+0.00	10.00	17,00	Vertiour	11
	2	62.4983	-19.07	39.58	20.51	40.00	19.49	PASS	Vertical	PK
	3	120.0250	-20.08	45.77	25.69	43.50	17.81	PASS	Vertical	PK
3	4	159.9930	-21.15	42.10	20.95	43.50	22.55	PASS	Vertical	PK
	5	208.8859	-17.63	42.35	24.72	43.50	18.78	PASS	Vertical	PK
-	6	285.0385	-15.83	40.39	24.56	46.00	21.44	PASS	Vertical	PK





Radiated Spurious Emission above 1GHz:

	Mode	:		5.8G transmittir	ng	Channel:		5731 MHz		
3	NO	Freq. [MHz]	Facto [dB]	r Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1331.1331	1.70	42.95	44.65	68.20	23.55	Pass	Н	PK
	2	2298.6799	4.61	41.82	46.43	68.20	21.77	Pass	Н	PK
	3	3496.6997	8.36	39.77	48.13	68.20	20.07	Pass	н	PK
	4	8373.0915	-10.76	53.87	43.11	68.20	25.09	Pass	Н	PK
	5	11460.6640	-5.97	57.24	51.27	68.20	16.93	Pass	Н	PK
	6	14386.4591	0.49	49.61	50.10	68.20	18.10	Pass	Н	PK
	7	1577.0077	2.52	41.75	44.27	68.20	23.93	Pass	V	PK
3	8	2100.6601	5.62	41.66	47.28	68.20	20.92	Pass	V	PK
	9	3338.8339	8.25	40.22	48.47	68.20	19.73	Pass	V	PK
_	10	8968.0645	-8.68	52.60	43.92	68.20	24.28	Pass	V	PK
Ī	11	11462.9642	-5.96	55.43	49.47	68.20	18.73	Pass	V	PK
	12	14397.9599	0.62	49.88	50.50	68.20	17.70	Pass	V	PK
							6	6	0	

_							- 1	1.0	1 N 1		
	Mode	:		5.8G transmittir	ng	Channel:		5767 MHz	2		
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
0	1	1421.8922	1.84	43.03	44.87	68.20	23.33	Pass	н	PK	
	2	2297.0297	4.60	41.83	46.43	68.20	21.77	Pass	н	PK	
	3	3858.6359	9.56	39.54	49.10	68.20	19.10	Pass	Н	PK	
ſ	4	9154.3770	-8.15	53.01	44.86	68.20	23.34	Pass	Н	PK	
Ī	5	11532.7355	-6.02	56.51	50.49	68.20	17.71	Pass	Н	PK	
	6	14205.5137	-0.82	50.91	50.09	68.20	18.11	Pass	Н	PK	
Ī	7	1317.3817	1.67	43.06	44.73	68.20	23.47	Pass	V	PK	
	8	2538.5039	5.54	42.19	47.73	68.20	20.47	Pass	V	PK	
	9	3807.4807	9.39	40.13	49.52	68.20	18.68	Pass	V	PK	
3	10	8378.4586	-10.74	54.17	43.43	68.20	24.77	Pass	V	PK	
	11	11532.7355	-6.02	56.14	50.12	68.20	18.08	Pass	V	PK	
-	12	17299.2199	3.85	51.69	55.54	68.20	12.66	Pass	V	PK	
	13	17299.9867	3.85	41.96	45.81	54.00	8.19	Pass	V	AV	











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Page 25 of 34









Page 26 of 34

		1200		1000		1000		1	20		
	Mode	:		5.8G transmittir	ng		Channel:		5795 MHz	2	
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
-	1	1539.6040	2.23	42.11	44.34	68.20	23.86	Pass	Н	PK	
~	2	2066.0066	5.44	41.61	47.05	68.20	21.15	Pass	Н	PK	
2	3	3311.3311	8.30	40.48	48.78	68.20	19.42	Pass	Н	PK	
	4	8884.4923	-9.25	52.93	43.68	68.20	24.52	Pass	Н	PK	
	5	11588.7059	-6.40	61.42	55.02	68.20	13.18	Pass	Н	PK	
	6	11589.4726	-6.41	55.65	49.24	54.00	4.76	Pass	Н	AV	
	7	15903.7936	0.12	51.34	51.46	68.20	16.74	Pass	Н	PK	
	8	1542.9043	2.25	42.15	44.40	68.20	23.80	Pass	V	PK	
	9	2421.8922	4.99	41.52	46.51	68.20	21.69	Pass	V	PK	
	10	3802.5303	9.38	39.51	48.89	68.20	19.31	Pass	V	PK	
13	11	9129.8420	-8.38	54.21	45.83	68.20	22.37	Pass	V	PK	
	12	12468.8979	-4.19	53.65	49.46	68.20	18.74	Pass	V	PK	
-	13	15899.9600	0.13	51.20	51.33	68.20	16.87	Pass	V	PK	

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Factor

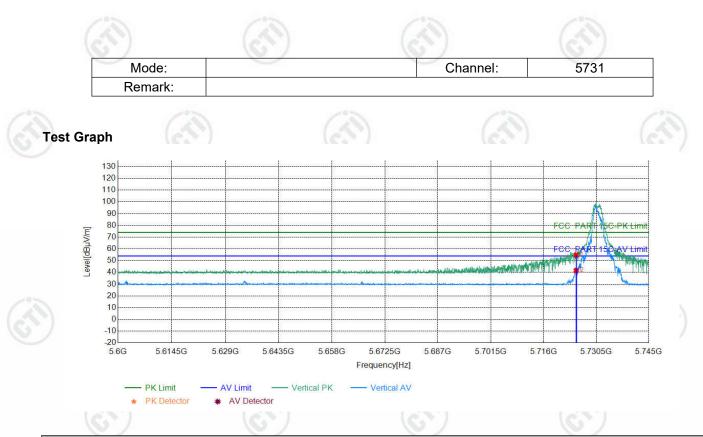
- Factor=Antenna Factor + Cable Factor Preamplifier Factor
- 2) Scan from 9kHz to 40GHz, the disturbance above 18GHz and below 30MHz was very low. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.







Page 28 of 34

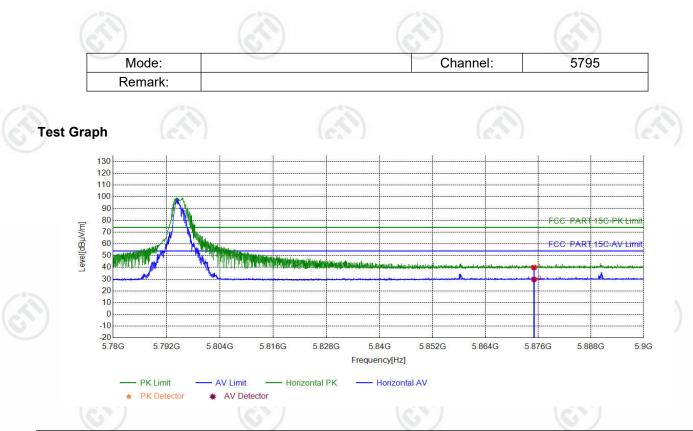


	Suspe	cted List								
(K)	NO	Freq.	Factor	Reading	Level	Limit	Margin	Result	Delarity	Remark
	NO	[MHz]	[dB]	[dBµV]	[dBµV/m]	[dBµV/m]	[dB]	Result	Polarity	Remark
	1	5725.0000	-13.83	68.66	54.83	74.00	19.17	PASS	Vertical	PK
	2	5725.0000	-13.83	55.34	41.51	54.00	12.49	PASS	Vertical	AV





Page 29 of 34

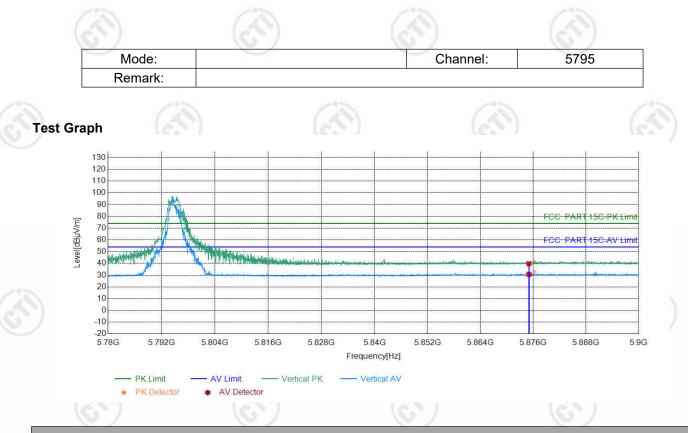


	Suspec	ted List	_			-				
(3	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
6	1	5875.0000	-13.60	53.52	39.92	74.00	34.08	PASS	Horizontal	PK
\sim	2	5875.0000	-13.60	43.41	29.81	54.00	24.19	PASS	Horizontal	AV





Page 30 of 34



	Suspec	ted List								
S.	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	5875.0000	-13.60	53.37	39.77	74.00	34.23	PASS	Vertical	PK
	2	5875.0000	-13.60	44.24	30.64	54.00	23.36	PASS	Vertical	AV

Note:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Factor

Factor=Antenna Factor + Cable Factor – Preamplifier Factor

