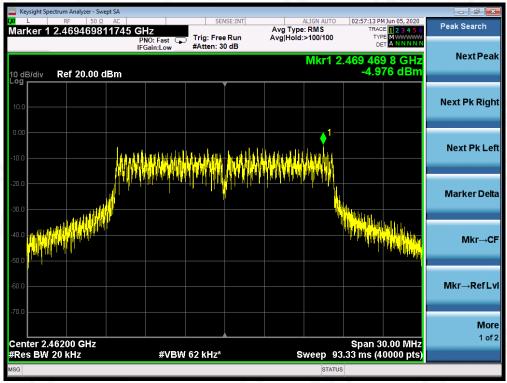


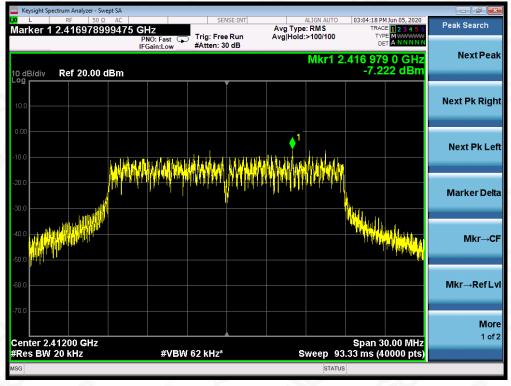
TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL

TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL



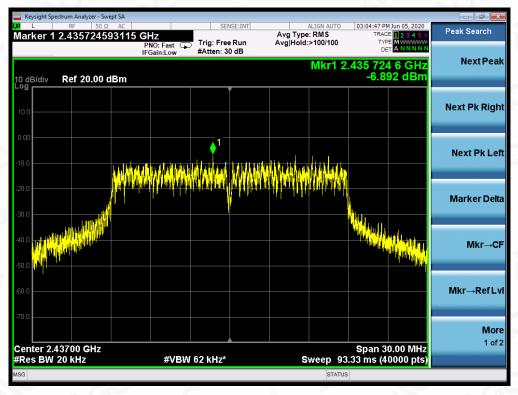
Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written aphorization of AGE. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuence of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.





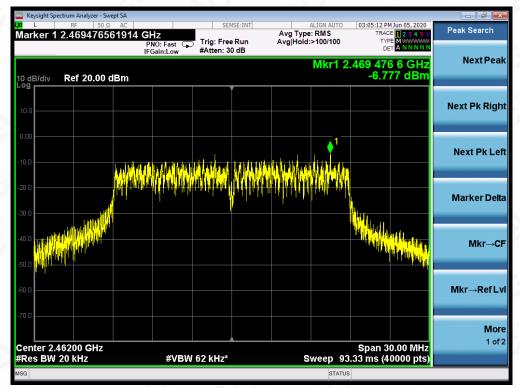
802.11n 20 TEST RESULT TEST PLOT OF SPECTRAL DENSITY FOR LOW CHANNEL

TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL



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TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL

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11. RADIATED EMISSION

11.1. MEASUREMENT PROCEDURE

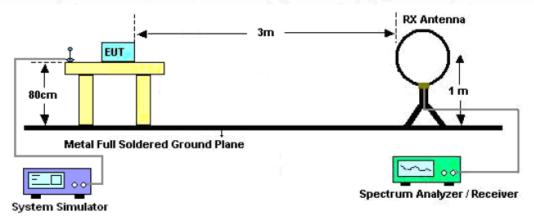
- 1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz RBW and 3MHz VBW for peak reading. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
- 8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

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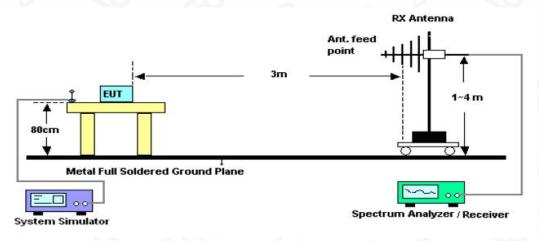


11.2. TEST SETUP

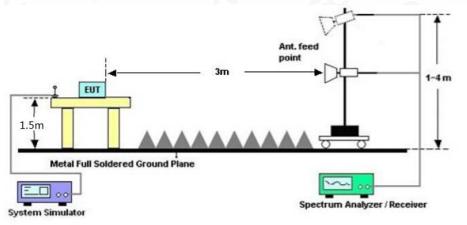
Radiated Emission Test-Setup Frequency Below 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz



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Attestation of Global Compliance(Shenzhen)Co., Ltd Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Web: http://cn.agc-cert.com/

11.3. LIMITS AND MEASUREMENT RESULT

15.209(a) Limit in the below table has to be followed

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note: All modes were tested For restricted band radiated emission,

the test records reported below are the worst result compared to other modes.

11.4. TEST RESULT

RADIATED EMISSION BELOW 30MHZ

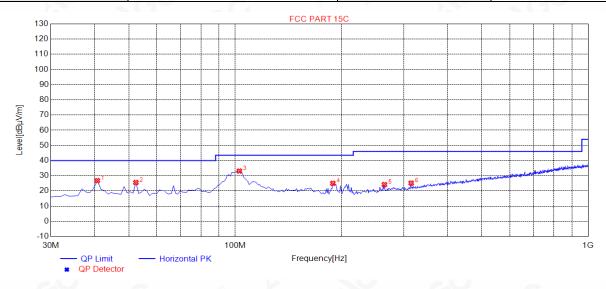
The amplitude of spurious emissions from 9kHz to 30MHz which are attenuated more than 20 dB below the permissible value need not be reported.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the stamp of t



RADIATED EMISSION BELOW 1GHZ

EUT	Smart LED Light Strip	Model Name	SLS-SLB-WG01
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2412MHZ	Antenna	Horizontal



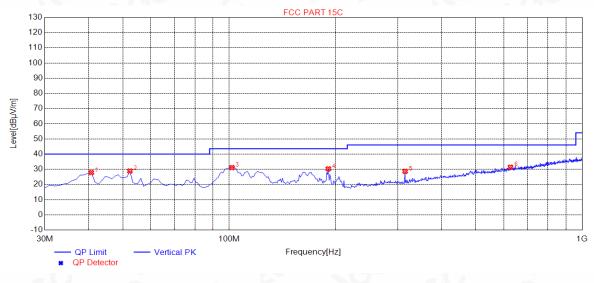
1	۷0	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
	1	40.6700	26.79	11.91	40.00	13.21	100	45	Horizontal
	2	52.3100	25.57	11.49	40.00	14.43	200	242	Horizontal
	3	102.7500	33.12	11.66	43.50	10.38	200	202	Horizontal
	4	189.0800	25.01	12.57	43.50	18.49	200	1	Horizontal
	5	264.7400	24.18	14.96	46.00	21.82	100	330	Horizontal
	6	315.1800	25.20	16.48	46.00	20.80	200	335	Horizontal

RESULT: PASS

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EUT	Smart LED Light Strip	Model Name	SLS-SLB-WG01
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2412MHZ	Antenna	Vertical



NO	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	40.6700	27.83	11.91	40.00	12.17	100	120	Vertical
2	52.3100	28.85	11.49	40.00	11.15	100	322	Vertical
3	101.7800	31.10	11.56	43.50	12.40	100	301	Vertical
4	191.0200	30.28	12.48	43.50	13.22	100	266	Vertical
5	315.1800	28.66	16.48	46.00	17.34	100	40	Vertical
6	626.5500	31.37	24.79	46.00	14.63	100	205	Vertical

RESULT: PASS

Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.

3. All test modes had been pre-tested. The 802.11b at low channel is the worst case and recorded in the report.

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EUT	Smart LED Light Strip	Model Name	SLS-SLB-WG01			
Temperature	25°C	Relative Humidity	55.4%			
Pressure	960hPa	Test Voltage	Normal Voltage			
Test Mode	802.11b with date rate 1 2412MHZ	Antenna	Horizontal			

RADIATED EMISSION ABOVE 1GHZ

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4824.000	55.23	0.08	55.31	74	-18.69	peak
4824.000	48.16	0.08	48.24	54	-5.76	AVG
7236.000	50.47	2.21	52.68	74	-21.32	peak
7236.000	40.62	2.21	42.83	54	-11.17	AVG
	C					×
<u> </u>		0				C
Remark:						
	enna Factor + C	able Loss – F	Pre-amplifier.	8		

EUT	Smart LED Light Strip	Model Name	SLS-SLB-WG01
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2412MHZ	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
4824.000	56.48	0.08	56.56	74	-17.44	peak
4824.000	45.13	0.08	45.21	54	-8.79	AVG
7236.000	51.27	2.21	53.48	74	-20.52	peak
7236.000	41.49	2.21	43.7	54	-10.3	AVG
20					C.	8
		®				
emark:			®			
actor = Ante	enna Factor + Ca	ble Loss – P	re-amplifier.			

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EUT	Smart LED Light Strip	Model Name	SLS-SLB-WG01
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2437MHZ	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
4874.000	56.28	0.14	56.42	74	-17.58	peak
4874.000	45.37	0.14	45.51	54	-8.49	AVG
7311.000	51.94	2.36	o 54.3	74	-19.7	peak
7311.000	40.33	2.36	42.69	54	-11.31	AVG
Pomork:					0	
Remark:						
actor = Ante	enna Factor + Ca	ble Loss –	Pre-amplifier.			

EUT	Smart LED Light Strip	Model Name	SLS-SLB-WG01
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2437MHZ	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4874.000	57.01	0.14	57.15	74	-16.85	peak
4874.000	47.26	0.14	47.4	54	-6.6	AVG
7311.000	53.49	2.36	55.85	74	-18.15	peak
7311.000	42.32	2.36	44.68	54	-9.32	AVG
0				C .	C	
					C	8
emark:		8				G
actor = Ante	enna Factor + Ca	ble Loss –	Pre-amplifier.			

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Report No.: AGC09264200501FE05 Page 51 of 77

EUT	Smart LED Light Strip	Model Name	SLS-SLB-WG01
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2462MHZ	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
4924.000	56.27	0.22	56.49	74	-17.51	peak
4924.000	42.37	0.22	42.59	54	-11.41	AVG
7386.000	51.56	2.64	54.2	74	-19.8	peak
7386.000	40.38	2.64	43.02	54	-10.98	AVG
®			1	C		
a.C.						
Remark:						
-actor = Ante	enna Factor + C	able Loss –	Pre-amplifier.			

EUT	Smart LED Light Strip	Model Name	SLS-SLB-WG01
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2462MHZ	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
4924.000	56.46	0.22	56.68	74	-17.32	peak
4924.000	45.82	0.22	46.04	54	-7.96	AVG
7386.000	51.29	2.64	53.93	74	-20.07	peak
7386.000	40.68	2.64	43.32	54	-10.68	AVG
		69	6	©)		0
emark:				.0		
actor = Ante	enna Factor + Ca	ible Loss – F	Pre-amplifier.			

RESULT: PASS

Note:

The amplitude of other spurious emissions from 1G to 25 GHz which are attenuated more than 20 dB below the permissible value need not be reported.

Factor = Antenna Factor + Cable loss - Amplifier gain, Over=Measure-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

All test modes had been pre-tested. The 802.11b mode is the worst case and recorded in the report.

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12. BAND EDGE EMISSION

12.1. MEASUREMENT PROCEDURE

Radiated restricted band edge measurements

The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting

12.2. TEST SET-UP

same as 11.2

Note:

1. Factor=Antenna Factor + Cable loss - Amplifier gain. Field Strength=Factor + Reading level

2. The factor had been edited in the "Input Correction" of the Spectrum Analyzer. So the Amplitude of test plots is equal to Reading level plus the Factor in dB. Use the A dB(μ V) to represent the Amplitude. Use the F dB(μ V/m) to represent the Field Strength. So A=F.

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12.3. TEST RESULT

EUT	Smart LED Light Strip	Model Name	SLS-SLB-WG01
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2412MHZ	Antenna	Horizontal

ΡK



AV



RESULT: PASS

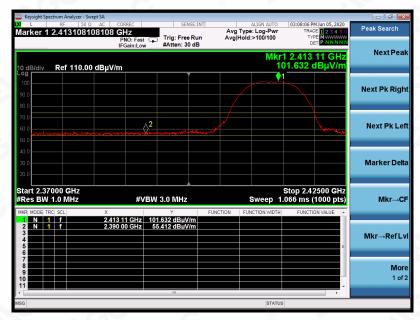
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Report No.: AGC09264200501FE05 Page 54 of 77

EUT	Smart LED Light Strip	Model Name	SLS-SLB-WG01
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2412MHZ	Antenna	Vertical

ΡK



AV

	trum Analyzer - S		orwer t	er.		00.00.00.000.00	
larker 1	RF 50 2.4131081	Ω AC CORREC 108108 GHz PNO: Fast IFGain:Lov		Avg Typ	ALIGN AUTO be: RMS d:>100/100	03:08:11 PM Jun 05, TRACE 1 2 3 TYPE A WW DET A NN	456 Peak Searc
0 dB/div	Ref 110.0	0 dBµV/m				1 2.413 11 G 88.336 dBµV	
90.0						1	Next Pk R
80.0 70.0 60.0 50.0							Next Pk
40.0			Y				Marker
tart 2.37 Res BW	1.0 MHz	#\	BW 3.0 MHz*		Sweep 1	Stop 2.42500 (.066 ms (1000)	pts) Mkr-
MKR MODE TR	f	× 2.413 11 GHz 2.390 00 GHz	Y 88.293 dBµV/m 46.739 dBµV/m	FUNCTION FU	INCTION WIDTH	FUNCTION VALUE	Mkr→Re
4 5 6 7							
8 9 10							

RESULT: PASS

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Report No.: AGC09264200501FE05 Page 55 of 77

EUT	Smart LED Light Strip	Model Name	SLS-SLB-WG01
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2462MHZ	Antenna	Horizontal

ΡK



AV



RESULT: PASS

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Report No.: AGC09264200501FE05 Page 56 of 77

EUT	Smart LED Light Strip	Model Name	SLS-SLB-WG01
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2462MHZ	Antenna	Vertical

ΡK

Avg Type: Log-Pwr Avg|Hold:>100/100 Peak Searc 1 2.463313313313 GH Trig: Free Run Next Pea Ref 110.00 dBµV/m Next Pk Righ Next Pk Lef Marker Delta Start 2.45000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep Mkr→C 2.463 31 GHz 101.662 dBµV 2.483 50 GHz 56.673 dBµV Mkr→RefLv More 1 of 2

AV



RESULT: PASS

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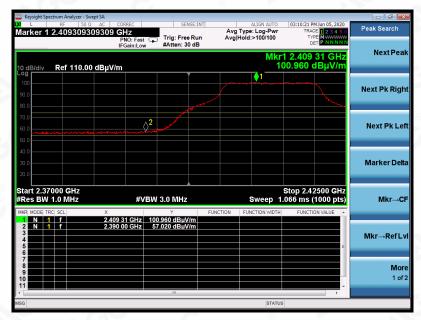
Attestation of Global Compliance(Shenzhen)Co., Ltd Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Web: http://cn.agc-cert.com/



Report No.: AGC09264200501FE05 Page 57 of 77

EUT	Smart LED Light Strip	Model Name	SLS-SLB-WG01
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2412MHZ	Antenna	Horizontal

ΡK



AV

	PM Jun 05, 2020 CE 1 2 3 4 5 6 Peak Search
Fast Trig: Free Run AvglHold:>100/100	
Mkr1 2.416 81.026	91 GHz NextPe dBµV/m
	Next Pk Rig
and a second	~
	Next Pk L
	Marker De
Stop 2.4	2500 GHz
#VBW 3.0 MHz* Sweep 1.066 ms	(1000 pts) Mkr→
	ION VALUE
GHz 80.983 dBµV/m GHz 46.549 dBµV/m	
	Mkr→RefL
	=
	Mo
	- 10

RESULT: PASS

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Report No.: AGC09264200501FE05 Page 58 of 77

EUT	Smart LED Light Strip	Model Name	SLS-SLB-WG01
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2412MHZ	Antenna	Vertical

ΡK



AV

		M Jun 05, 20		ALIGN AUTO		E:INT	SEN	REC		Analyzer - Sw 50 Ω	RF	L
Peak Search	56		TRA		Avg Type Avg Hold	Dun	Trig: Free		3393 G	183933	1 2.4	arker
	NN	ANNN	D	2100/100	Avginoid		#Atten: 30	NO:Fast 🖵 Gain:Low				
NextPe	12	39 GH	1 2.418	Mkr								
			30.342						dBµV/m	f 110.00	/ Re	dB/di
Next Pk Rig												00
												0.0
		4	- Marana and a second	۲۰۰٬ _{۲۰۱٬۱} ۹۲								0.0
		4										0.0
Next Pk L		- Yu				Malakari						0.0
	nn,	- PAP				niyaya (m						0.0
												0.0
Marker De												0.0
												0.0
	ΗZ	2500 GH	Stop 2.4								37000	
Mkr→	is)	1000 pt	066 ms (Sweep 1			3.0 MHz'	#VBW		MHz	W 1.0 I	₹es B
	-	ON VALUE	FUNCTI	ICTION WIDTH	ON FUI	FUNC	Y		Х		TRC SCL	
						n n	.299 dBµV .458 dBµV	9 GHz 80 0 GHz 46			1 f 1 f	
Mkr→Refl												3
	E											5
												6 7
Mo												8
1 c	-											9
	-											1

RESULT: PASS

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Report No.: AGC09264200501FE05 Page 59 of 77

EUT	Smart LED Light Strip	Model Name	SLS-SLB-WG01
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2462MHZ	Antenna	Horizontal

ΡK



AV

L RF 50 Ω AC Iarker 1 2.45620620620	CORREC SENSE:I 5 GHZ PNO: Fast IFGain:Low #Atten: 30 dE	Avg Type: RMS n Avg Hold:>100/100	03:11:32 PM Jun 05, 2020 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A N N N N N	Peak Search
0 dB/div Ref 110.00 dBµ	I Guilleow	Mkı	1 2.456 21 GHz 82.677 dBµV/m	Next Pe
100 90.0 80.0	prover and the second sec			Next Pk Rig
70.0 60.0 50.0	William Contraction			Next Pk L
40.0 30.0 20.0				Marker De
Start 2.45000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz*	Sweep 1	Stop 2.50000 GHz 1.066 ms (1000 pts)	Mkr→0
1 N 1 f 2.4 2 N 1 f 2.4 3 4 - - - 5 - 6 - -	156 21 GHz 82.677 dBµV/m 183 50 GHz 46.840 dBµV/m		E	Mkr→RefL
7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9				M c 1 c

RESULT: PASS

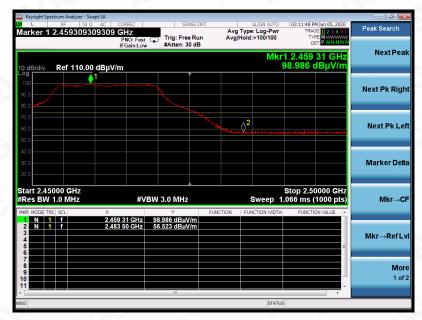
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Report No.: AGC09264200501FE05 Page 60 of 77

EUT	Smart LED Light Strip	Model Name	SLS-SLB-WG01
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2462MHZ	Antenna	Vertical

ΡK



AV

L RF 50 Ω Marker 1 2.46941941	AC CORREC 9419 GHz PNO: Fast IEGain: Lov		Avg Type: RMS	TRACE 1 2 3 4 5 6	Peak Search
0 dB/div Ref 110.00		wAtten: 30 dB	М	kr1 2.469 42 GHz 78.612 dBµV/m	Next Pe
• 9 100 90.0 80.0 80.0 	ىرىلىلىرى ئېرىرىيى بىرىرىي				Next Pk Rig
70.0 60.0 50.0		MANA CARA	\$ ²		Next Pk L
40.0					Marker De
Start 2.45000 GHz Res BW 1.0 MHz	#V	'BW 3.0 MHz*		Stop 2.50000 GHz 1.066 ms (1000 pts)	Mkr⊸
1 N 1 f 2 N 1 f 3 4 5 5 6 5 5 5	2.469 42 GHz 2.483 50 GHz	78.569 dBµV/m 47.099 dBµV/m			Mkr→Refl
7 8 9					M c 1 c

RESULT: PASS

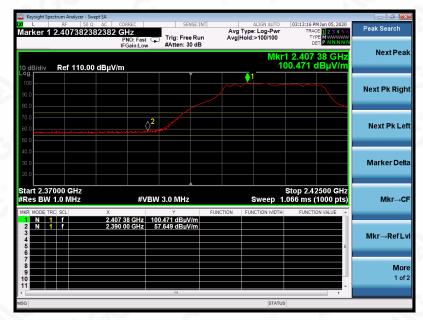
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EUT	Smart LED Light Strip	Model Name	SLS-SLB-WG01
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2412MHZ	Antenna	Horizontal

ΡK



AV

	20	M Jun 05, 20	03:13:22 F	ALIGN AUTO		E:INT	SEN:	ORREC		Analyzer - Si	Ri	L
Peak Search	5 6		TRA	:RMS :>100/100	Avg Typ	.	Trig: Free		95696 (156956	1 2.4	arkei
	N N	ANNN		:>100/100	Avginoid		#Atten: 30	PNO: Fast 🖵 Gain:Low				
NextPe	17	70 GF	1 2.415	Mk								
			82.371						dBu\//r	f 110.0	, Da	dB/di
		· ·							- aspen	1 110.0	- 110	
Next Pk Rig												100
Next PK Rig			⊢_ _1—									0.0
		a.,	and a stand and a stand a									0.0
		7										0.0
Next Pk L		\				لى ا						0.0
	ų,	leys-				Million and All						
							and a state of the second second		·			
												0.0
Marker De												0.0
												0.0
		2500 CL	Stop 2.4							CH7	37000	
Mkr→	ś	1000 of	.066 ms	Sween '			3.0 MHz*	#VBW			W 1.0	
	-	ON VALUE		NCTION WIDTH		FUN	Y		Х		TRC SC	
	ń	ON VALUE	FONCT		HON PO	n	328 dBµV/		2.415		1 f	1 N
						n	.684 dBµV/	00 GHz 40	2.390		1 f	2 N 3
Mkr→RefL												4
	E											5
												7
Mo											\vdash	8
10												0
	-	- ·				_	m					1

RESULT: PASS

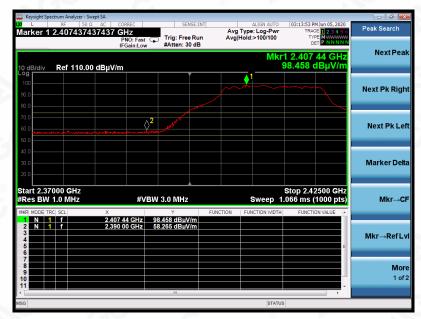
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EUT	Smart LED Light Strip	Model Name	SLS-SLB-WG01
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2412MHZ	Antenna	Vertical

ΡK



AV

L Narker 1 2.4098	50 Ω AC CORREC 59859860 GHz	SENSE:INT	ALIGN AUTO Avg Type: RMS Avg Hold:>100/100	03:13:58 PM Jun 05, 2020 TRACE 1 2 3 4 5 6 TYPE A MINIMUM	Peak Search
0 dB/div Ref 1 1	PNO: Fas IFGain:Lo 10.00 dBµV/m		Mkr	1 2.409 86 GHz 76.897 dBµV/m	NextPe
			1		Next Pk Rig
60.0 50.0			۵٬۰۰۰ میلین کاری می کند می در ایند می در این می در این م این می در این می		Next Pk L
40.0					Marker De
tart 2.37000 GH Res BW 1.0 MH	z #\ ×		Sweep 1	Stop 2.42500 GHz .066 ms (1000 pts)	Mkr→
1 N 1 f 2 N 1 f 3 4 5 6	2.409 86 GHz 2.390 00 GHz			E	Mkr→RefL
7 8 9					M c 1 c

RESULT: PASS

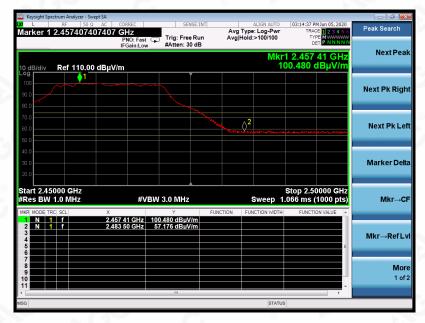
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EUT	Smart LED Light Strip	Model Name	SLS-SLB-WG01
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2462MHZ	Antenna	Horizontal

ΡK



AV

Keysight Spectrum Ana	50 Ω AC CORREC	SENSE:INT	ALIGN AUTO	03:14:42 PM Jun 05, 2020	
	204204204 GHz	ast 😱 Trig: Free Run	Avg Type: RMS Avg Hold:>100/100	TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A N N N N	Peak Search
dB/div Ref	10.00 dBµV/m			1 2.454 20 GHz 80.630 dBµV/m	Next Pe
°g 100 30.0 30.0					Next Pk Rig
70.0 60.0		Minda	\$ ²		Next Pk L
10.0 10.0 10.0					Marker De
tart 2.45000 G Res BW 1.0 MI		#VBW 3.0 MHz*	Sweep 1	Stop 2.50000 GHz .066 ms (1000 pts)	Mkr→
IKR MODE TRC SCL	× 2.454 20 Gi 2.483 50 Gi	Iz 80.586 dBµV/m	UNCTION FUNCTION WIDTH	FUNCTION VALUE	
3 4 5 6	2.400 00 01			E	Mkr→Refl
7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9					Mo 1 o

RESULT: PASS

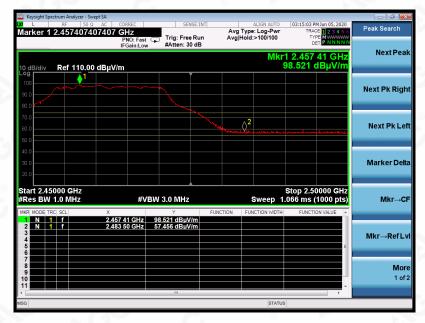
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EUT	Smart LED Light Strip	Model Name	SLS-SLB-WG01
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2462MHZ	Antenna	Vertical

ΡK



AV

Keysight Spectrum Analyzer - Swept S L RF 50 Ω A	ALIGN AUTO 03:15:08 PM Jun 05.2020	ALIGN ALITO
arker 1 2.458508508	g Type: RMS TRACE 23456 Peak Search g Hold:>100/100 Type A	Avg Type: RMS Avg Hold:>100/100
dB/div Ref 110.00 dE	Mkr1 2.458 51 GHz 79.778 dBµV/m	Mk
	Next Pk Rig	
	o ² Next Pk L	
0.0	Marker De	
tart 2.45000 GHz Res BW 1.0 MHz	Stop 2.50000 GHz Sweep 1.066 ms (1000 pts) Mkr→	
KR MODE TRC SCL	FUNCTION WIDTH FUNCTION VALUE	UNCTION FUNCTION WIDT
	Mkr→Ref I	
7	M	
8	10	

RESULT: PASS

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13. FCC LINE CONDUCTED EMISSION TEST

13.1. LIMITS OF LINE CONDUCTED EMISSION TEST

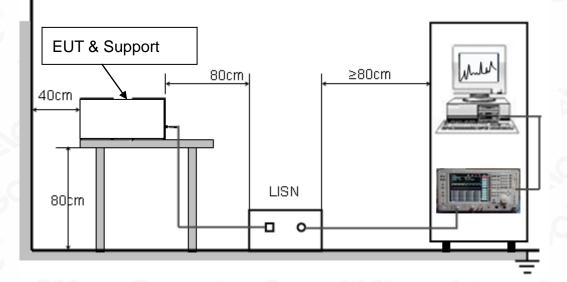
Francisco	Maximum RF Line Voltage				
Frequency	Q.P.(dBuV)	Average(dBuV)			
150kHz~500kHz	66-56	56-46			
500kHz~5MHz	56	46			
5MHz~30MHz	60	50			

Note:

1. The lower limit shall apply at the transition frequency.

2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

13.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



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13.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

- The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- 2. Support equipment, if needed, was placed as per ANSI C63.10.
- 3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- 4. All support equipments received AC120V/60Hz power from a LISN, if any.
- 5. The EUT received DC 24V power from adapter which received AC120V/60Hz power from a LISN.
- 6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- 8. During the above scans, the emissions were maximized by cable manipulation.
- 9. The test mode(s) were scanned during the preliminary test.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

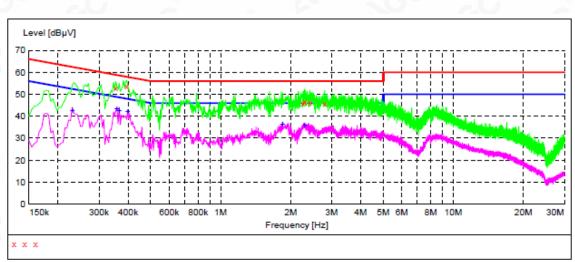
13.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

- 1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
- A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less –2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
- 3. The test data of the worst case condition(s) was reported on the Summary Data page.

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13.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST



Line Conducted Emission Test Line 1-L

MEASUREMENT RESULT

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.354000 0.394000 2.258000 2.294000 2.414000 2.802000	52.90 53.50 45.90 46.70 46.10 45.70	10.3 10.3 10.3 10.3 10.4 10.4	59 58 56 56 56	6.0 4.5 10.1 9.3 9.9 10.3	QP QP QP QP QP	L1 L1 L1 L1 L1 L1

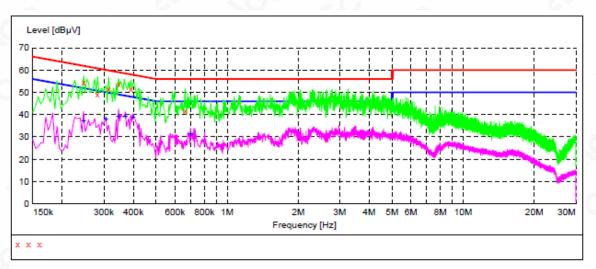
MEASUREMENT RESULT

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.230000 0.358000 0.366000 0.398000 1.846000 2.294000	42.60 43.20 42.70 42.00 36.40 36.00	10.3 10.3 10.3 10.3 9.8 10.3	52 49 48 46 46	9.8 5.6 5.9 9.6 10.0	AV AV AV AV AV AV	L1 L1 L1 L1 L1 L1

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Attestation of Global Compliance(Shenzhen)Co., Ltd Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Web: http://cn.agc-cert.com/





Line Conducted Emission Test Line 2-N

MEASUREMENT RESULT

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.246000	54.50	10.3	62	7.4	QP	N
0.282000	49.20	10.3	61	11.6	QP	N
0.314000	51.60	10.3	60	8.3	QP	N
0.346000	53.50	10.3	59	5.6	QP	N
0.390000	51.70	10.3	58	6.4	QP	N
0.662000	41.70	10.3	56	14.3	QP	N

MEASUREMENT RESULT

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.246000 0.306000 0.346000 0.370000 0.398000 0.698000	37.40 38.00 39.30 39.40 38.80 31.50	10.3 10.3 10.3 10.3 10.3 10.3	52 50 49 48 48	14.5 12.1 9.8 9.1 9.1 14.5	AV AV AV AV AV AV	N N N N N

RESULT: PASS

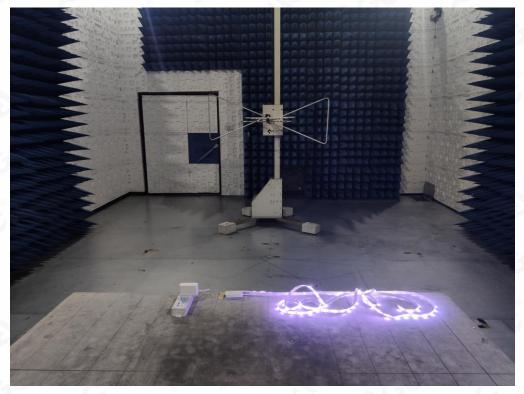
Note: All the test modes had been tested, the mode 1 was the worst case. Only the data of the worst case would be record in this test report.

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APPENDIX A: PHOTOGRAPHS OF TEST SETUP FCC RADIATED EMISSION TEST SETUP BELOW 1GHZ



FCC RADIATED EMISSION TEST SETUP ABOVE 1GHZ



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CONDUCTED EMISSION TEST SETUP

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APPENDIX B: PHOTOGRAPHS OF EUT ALL VIEW OF EUT

TOP VIEW OF EUT



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