

FCC Test Report

Report No.: FCC_SL19060603-SLX-017_Co-location

WUW-22135255B

FCC ID: WUW-22135255

9613A-22135255B

IC: 9613A-22135255

Test Model: NSC-100

Series Model: N/A

Received Date: 9/16/2019

Test Date: 9/16/2019 -9/24/2019

Issued Date: 9/30/2019

Applicant: Viavi Solutions, Inc.

Address: 6001 America Center Drive, 6th Floor, San Jose, CA 95002

Issued By: Bureau Veritas Consumer Products Services, Inc.

Test Location: 775 Montague Expressway, Milpitas, CA 95035, USA

FCC Test Site Reg No.: 540430

IC Test Site No: 4842D





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Release Control Record

Issue No.	Description	Date Issued
FCC_SL19060603-SLX-017_Co-location	Original release	09/30/2019



1 Certificate of Conformity

Product: Network & Service Companion

Brand: Viavi

Test Model: NSC-100

Series Model: N/A

Sample Status: Engineer Sample

Applicant: Viavi Solutions, Inc.

Test Date: 9/16/2019 – 9/24/2019

Standards: 47 CFR FCC Part 15, Subpart C (Section 15.247)

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ANSI C63.10: 2013

The above equipment has been tested by **Bureau Veritas Consumer Products Services**, **Inc. Milpitas Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by : _	Deon Dai / Test Engineer	, Date:	09/30/2019	
Approved by:	Chen Ge / Engineer Reviewer	, Date:	09/30/2019	



2 Summary of Test Results

47 CFR FCC Part 15, Subpart C (Section 15.247)							
FCC Clause	Test Item	Result	Remarks				
15.207	AC Power Conducted Emission	PASS	N/A				
15.205 / 15.209 / 15.247(d)	Radiated Emissions Measurement	PASS	Meet the requirement of limit. Minimum passing margin is -9.37dB at 750.02MHz.				
15.247(d)	Antenna Port Emission	PASS	N/A				
15.247(a)(2)	6dB bandwidth	PASS	N/A				
15.247(b)	15.247(b) Conducted power		N/A				
15.247(e)	Power Spectral Density	PASS	N/A				
15.203	Antenna Requirement	PASS	Antenna connector is U.FL. (WLAN) Antenna is permanently attached. (BT)				

Note:

N/A - For details, see original FCC and IC Test reports under FCC ID: N6C-SXPCEACDB, IC: 4908A-SXPCEACDB (WLAN) and FCC ID: SQGBT850, IC: 3147A-BT850 (BT).

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Expanded Uncertainty (k=2) (±)
Conducted Emissions at mains ports	150kHz ~ 30MHz	3.51dB
Radiated Emissions up to 1 GHz	30MHz ~ 1GHz	3.73dB
Tradition Emissions up to 1 Griz	1GHz ~ 6GHz	4.64dB
Radiated Emissions above 1 GHz	6GHz ~ 18GHz	4.82dB
	18GHz ~ 40GHz	4.91dB

2.2 Modification Record

There were no modifications required for compliance.



3 General Information

3.1 General Description of EUT

Product	Network & Service Companion		
Brand	Viavi		
Test Model	NSC-100		
Series Model	N/A		
Model Difference	N/A		
Status of EUT	Engineer Sample		
Power Supply Rating	100-240VAC,1.2A, 50-60Hz		
GFSK, π /4DQPSK,8DPSK Modulation Type CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM			
Modulation Technology	FHSS,DSSS,OFDM		
Transfer Rate	BDR/EDR: 1/2/3Mbps BT_LE:1Mbps 802.11b: up to 11Mbps 802.11g: up to 54Mbps 802.11n: up to 300Mbps 802.11a: 54/48/36/24/18/12/9/6Mbps 802.11n: up to 1200Mbps 802.11ac: up to 3466.4Mbps		
Operating Frequency	2402 ~ 2480MHz 2412 ~ 2462MHz 5150 ~ 5350MHz, 5470 ~ 5725MHz, 5745 ~ 5825MHz		
Antenna Type	PIFA Antenna- 2.4GHz: 2.7dBi, 5GHz: 4.4dBi, Chip Antenna: 0.5dBi (BT)		
Antenna Connector	U.FL Connector (WLAN)		

Note:

1. The EUT uses following adapter.

Brand	FSP
Model	FSP045-D3MR3
Input Power	100-240V,1.2A, 50-60Hz
Output Davis	5.0V/9.0V/12.0V/15.0V 3.0A
Output Power	20.0V 2.25A
Power Line	1.2m

2. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.



3.2 Description of Test Modes

11 channels are provided for 802.11b, 802.11g and 802.11n (HT20):

Channel	Frequency	Channel	Frequency
1	1 2412MHz 7		2442MHz
2	2417MHz	8	2447MHz
3	2422MHz	9	2452MHz
4	2427MHz	10	2457MHz
5	2432MHz	11	2462MHz
6	2437MHz		

7 channels are provided for 802.11n (HT40):

Channel	Frequency	Channel	Frequency
3	2422MHz	7	2442MHz
4	2427MHz	8	2447MHz
5	2432MHz	9	2452MHz
6	2437MHz		

40 channels are for BLE:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480



79 channels are for BDR EDR:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2422	40	2442	60	2462
1	2403	21	2423	41	2443	61	2463
2	2404	22	2424	42	2444	62	2464
3	2405	23	2425	43	2445	63	2465
4	2406	24	2426	44	2446	64	2466
5	2407	25	2427	45	2447	65	2467
6	2408	26	2428	46	2448	66	2468
7	2409	27	2429	47	2449	67	2469
8	2410	28	2430	48	2450	68	2470
9	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460	78	2480
19	2421	39	2441	59	2461	79	



FOR 5180 ~ 5240MHz

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency	Channel	Frequency
36	5180 MHz	44	5220 MHz
40	5200 MHz	48	5240 MHz

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency	Channel	Frequency	
38	5190 MHz	46	5230 MHz	

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency
42	5210MHz

FOR 5260 ~ 5320MHz

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency	Channel	Frequency	
52	5260 MHz	60	5300 MHz	
56	5280 MHz	64	5320 MHz	

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency	Channel	Frequency	
54	5270 MHz	62	5310 MHz	

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency
58	5290MHz



FOR 5500 ~ 5700MHz

11 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency	requency Channel Frequency	
100	5500 MHz 124		5620 MHz
104	5520 MHz	5520 MHz 128 5640 MH	
108	5540 MHz	5540 MHz 132	
112	5560 MHz	5560 MHz 136 5680 N	
116	5580 MHz	5580 MHz 140 5700	
120	5600 MHz		

5 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency	Channel	Frequency	
102	5510 MHz	126	5630 MHz	
110	5550 MHz	134	5670 MHz	
118	5590 MHz			

2 channels are provided for 802.11ac (VHT80):

Channel	Frequency	Channel	Frequency	
106	5530MHz	122	5610 MHz	

FOR 5745 ~ 5825MHz:

5 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency	Channel	Frequency	
149	5745MHz	161	5805MHz	
153	5765MHz	165	5825MHz	
157	5785MHz			

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
Channel	Frequency	Channel	Frequency
151	5755MHz	159	5795MHz

1 channel is provided for 802.11ac (VHT80):

	()
Channel	Frequency
155	5775MHz



3.2.1 Test Mode Applicability and Tested Channel Detail

EUT CONFIGURE	ALL LICABLE TO			DESCRIPTION	
MODE	RE≥1G	RE<1G	PLC APCM		DESCRIPTION
-	√	$\sqrt{}$	=	-	-

Where

RE≥1G: Radiated Emission above 1GHz &

Bandedge Measurement

RE<1G: Radiated Emission below 1GHz

PLC: Power Line Conducted Emission

APCM: Antenna Port Conducted Measurement

NOTE: The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on Y-plane.

NOTE: "-"means no effect.

Radiated Emission Test (Above 1GHz):

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	1		MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	
-	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1	
-	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6	
-	802.11n (HT20)	1 to 11	1, 6, 11	OFDM	BPSK	6.5	
-	- 802.11n (HT40)		3, 6, 9	OFDM	BPSK	13.5	

Radiated Emission Test (Below 1GHz):

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
-	802.11n (20MHz)	1 to 11	6	OFDM	BPSK	6.5

Power Line Conducted Emission Test:

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
-	802.11n (HT20)	1 to 11	6	OFDM	BPSK	6.5



Antenna Port Conducted Measurement:

L	_ Tr	nis iten	n inclu	udes all	test	value o	t each	mode,	, but	only	includes	spectrum	i plot	of worst	value	of e	each
	m	ode.															
_	_																

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE			MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	
-	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1	
-	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6	
-	802.11n (HT20)	1 to 11	1, 6, 11	OFDM	BPSK	6.5	
-	- 802.11n (HT40)		3, 6, 9	OFDM	BPSK	13.5	

Test Condition:

APPLICABLE TO	APPLICABLE TO ENVIRONMENTAL CONDITIONS		TESTED BY		
RE≥1G 25deg. C, 65%RH		120Vac, 60Hz	Deon Dai		
RE<1G	25deg. C, 65%RH	120Vac, 60Hz	Deon Dai		
PLC	25deg. C, 68%RH	120Vac, 60Hz	-		
APCM	21deg. C, 60%RH	120Vac, 60Hz	-		



3.3 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
Α.	Switch	TP-LINK	TL-WR841HP	2151802000460	TE7WR841HPV1	N/A
В.	Laptop	Acer	Aspire A315-51	N/A	N/A	N/A
C.	Power Supply(Laptop)	LITEON	PA-1450-26	N/A	N/A	N/A
D.	Laptop	Acer	Aspire A315-51	N/A	N/A	N/A
E.	Switching Power Adapter for Switch	Zebra	FSP025-DYAA3	N/A	N/A	N/A
F.	Switching Power Adapter for EUT	FSP	FSP045-D3MR3	H00000093	N/A	N/A
G.	USB Drive	SanDisk	Ultra	N/A	N/A	N/A

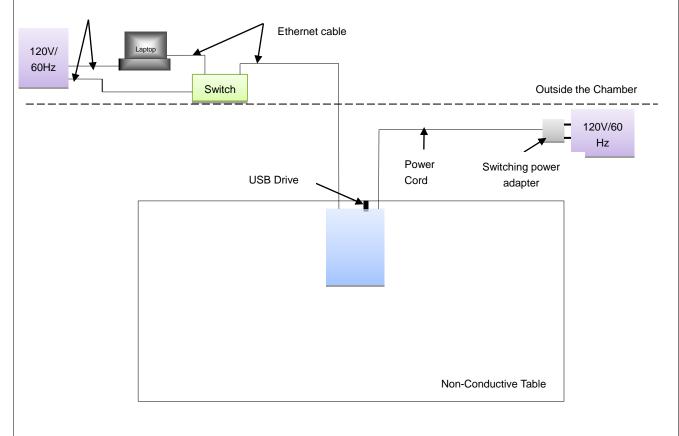
Note:

- 1. All power cords of the above support units are non-shielded (1.8m).
- 2. Items E~F acted as communication partners to transfer data.

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	Ethernet	1	3m	No	0	Connect from EUT to Switch
2.	Switching power adapter	1	2.4m	No	0	Use for power
3.						

Note: The core(s) is(are) originally attached to the cable(s).

3.3.1 Configuration of System under Test





3.4 General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

47 CFR FCC Part 15, Subpart C (Section 15.247)
RSS 247 Issue2, February 2017
RSS Gen Issue5, March 2019
KDB 558074 D01 15.247 Meas Guidance v05r01
KDB 662911 D01 Multiple Transmitter Output v02r01
ANSI C63.10-2013

All test items have been performed and recorded as per the above standards.



4 Test Types and Results

4.1 Radiated Emission Measurement

4.1.1 Limits of Radiated Emission Measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB (power peak measurement) or 30dB (power Ave.measurement) below the highest level of the desired power:

Frequencies (MHz)	Field Strength (microvolts/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:

- 1. The lower limit shall apply at the transition frequencies.
- 2. Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.
- 3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.



4.1.2 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	MODEL NO. SERIAL NO.		DUE DATE OF CALIBRATION
50GHz Spectrum Analyzer	N9030B (PXA)	MY57140597	6/5/2019	6/5/2020
Biconilog Antenna Sunol	JB1	A030702	3/9/2018	3/9/2020
Pre-Amplifier RF Bay, Inc.	LPA-6-30	11170601	4/27/2019	4/27/2020
Horn Antenna ETS-Lindgren	3117	218554	11/22/2017	11/22/2019
Pre-Amplifier RF-Lambda	RAMP00M50GA	17032300048	6/18/2019	6/18/2020



4.1.3 Test Procedures

For Radiated emission below 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

For Radiated emission above 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the 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 and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
- 3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.
- 4. All modes of operation were investigated and the worst-case emissions are reported.

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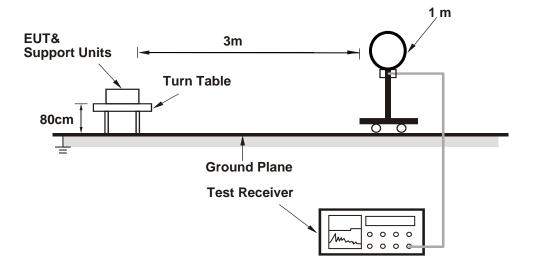


4.1.4 Deviation from Test Standard

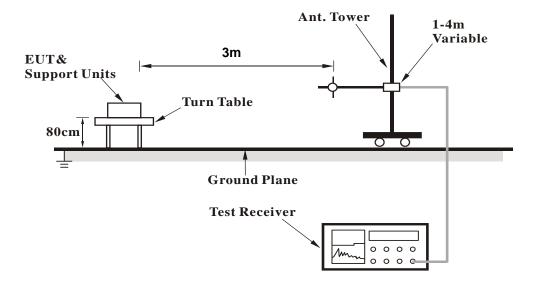
No deviation.

4.1.5 Test Setup

For Radiated emission below 30MHz

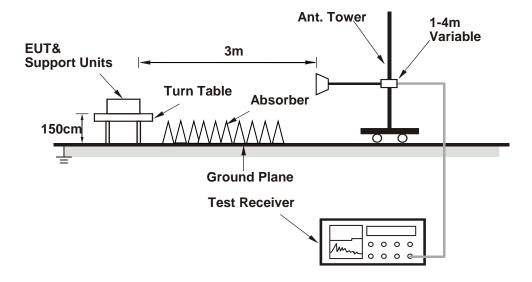


For Radiated emission 30MHz to 1GHz





For Radiated emission above 1GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).



4.1.6 EUT Operating Conditions

- a. Placed the EUT on the testing table.
- b. Prepared notebooks to act as communication partner and placed it outside of testing area.
- c. The communication partner connected with EUT via a RJ45 cable and ran a test program (provided by manufacturer) to enable EUT under transmission condition continuously at specific channel frequency.
- d. The communication partner sent data to EUT by command "PING".
- e. The necessary accessories enable the system in full functions.



4.1.7 Test Results

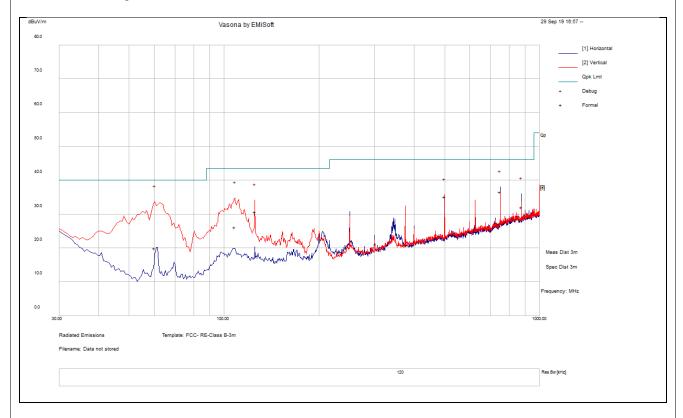
BELOW 1GHz WORST-CASE DATA:

CHANNEL	BT and WLAN transmit simultaneous mode	DETECTOR	Quasi Peak
FREQUENCY RANGE	30MHz – 1GHz	FUNCTION	

	ANTENNA POLARITY & test distance: HORIZONTAL& VERTICAL at 3 m												
No	Freq.	Raw	Cale Loss	AF	Level	Measurement Type	Pol	Hgt	Azt	Limit	Margin	Pass /Fail	
	[MHz]	(dBuV)	(dB)	(dB/m)	(dBuV/m)	Туре		(cm)	Deg	(dBuV/m)	(dB)	/I all	
1	750.02	35.84	15.28	-14.49	36.63	Quasi Max	Η	201	230	46	-9.37	Pass	
2	125.02	41.44	12.12	-22.87	30.69	Quasi Max	V	103	112	43.5	-12.81	Pass	
3	875.02	29.86	15.79	-13.55	32.1	Quasi Max	Η	163	295	46	-13.9	Pass	
4	500.01	39.41	14.17	-18.46	35.11	Quasi Max	V	107	272	46	-10.89	Pass	
5	60.17	35.91	11.51	-27.42	20	Quasi Max	V	174	173	40	-20.01	Pass	
6	108.13	38.11	11.94	-23.8	26.26	Quasi Max	V	112	190	43.5	-17.25	Pass	

REMARKS:

- 1. Emission level (dBuV/m) = Raw Value (dBuV) + Cable Loss (dB) + AF (dB)
- 2. AF (dB/m) = Antenna Factor (dB/m) Preamplifier Gain (dB).
- 3. The emission levels of other frequencies were less than 20dB margin against the limit.
- 4. Margin value = Emission level Limit value.





Above 1GHz Test Data:

Above 1GHz-40GHz – Co-location

	ANTENNA POLARITY & test distance: HORIZONTAL& VERTICAL at 3 m											
No	Freq.	Raw	Cale Loss	AF	Level	Measurement Type	Pol	Hgt	Azt	Limit	Margin	Pass /Fail
	[MHz]	(dBuV)	(dB)	(dB/m)	(dBuV/m)			(cm)	Deg	(dBuV/m)	(dB)	
1	3126.05	57.54	3.48	-13.74	47.28	Peak Max	V	192	135	74	-26.72	Pass
2	4824.55	52.62	4.12	-10.92	45.82	Peak Max	٧	228	158	74	-28.18	Pass
3	8314.25	50.93	5.4	-7.06	49.27	Peak Max	Ι	182	211	74	-24.73	Pass
4	3126.05	42.4	3.48	-13.74	32.14	Average Max	V	192	135	54	-21.86	Pass
5	4824.55	38.36	4.12	-10.92	31.56	Average Max	V	228	158	54	-22.44	Pass
6	8314.25	37.03	5.4	-7.06	35.37	Average Max	Η	182	211	54	-18.63	Pass



5 Pictures of Test Arrangements											
Please refer to the attached file (Test Setup Photo).											

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Appendix - Information on the Testing Laboratories

Bureau Veritas is a global leader in testing, inspection and certification (TIC) services. We help businesses improve safety, sustainability and productivity; and our clients include the majority of leading brands in retail, manufacturing and other industries. With a presence in every major country around the world, our quality assurance and compliance solutions are vital in helping our customers enhance product quality and concept-to-consumer journeys. We also assist with increasing speed to market, profitability and brand equity throughout the supply chain. Bureau Veritas is a leading wireless/IoT testing, inspection, audit and certification provider, with a global network of test laboratories to support the IoT industry in areas of connectivity, security, interoperability as well as quality, health & safety, and environmental/chemical requirements.

If you have any comments, please feel free to contact us at the following:

Milpitas EMC/RF/Safety/Telecom Lab

775 Montague Expressway, Milpitas, CA 95035

Tel: +1 408 526 1188

Sunnyvale OTA/Bluetooth Lab

1293 Anvilwood Avenue, Sunnyvale, CA 94089

Tel: +1 669 600 5293

Littleton EMC/RF/Safety/Environmental Lab

1 Distribution Center Cir #1, Littleton, MA 01460

Tel: +1 978 486 8880

Irvine OTA/PTCRB/Bluetooth/V2X Lab

15 Musick, Irvine, CA 92618

Tel: +1 949 716 6512

Email: sales.eaw@us.bureauveritas.com
Web Site: www.cpsusa-bureauveritas.com

The address and road map of all our labs can be found in our web site also.

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