

Test Report

Report No.: MTi220607011-05E2

Date of issue: 2022-07-15

Applicant: Guangdong Wangjia Intelligent Robot Co., Ltd.

Product: Robotic Vacuum Cleaner

Model(s): S600

FCC ID: 2AVYJ-S600

Shenzhen Microtest Co., Ltd. http://www.mtitest.com

Instructions

- 1. This test report shall not be partially reproduced without the written consent of the laboratory.
- The test results in this test report are only responsible for the samples submitted
- 3. This test report is invalid without the seal and signature of the laboratory.
- 4. This test report is invalid if transferred, altered, or tampered with in any form without authorization.
- 5. Any objection to this test report shall be submitted to the laboratory within 15 days from the date of receipt of the report.



Contents

1	General Description	5
	1.1 Description of EUT	
	1.2 Description of test modes	5
	1.3 Measurement uncertainty	
2	Summary of Test Result	7
3	Test Facilities and Accreditations	8
	3.1 Test laboratory	8
4	Equipment List	9
5	Test Result	10
	5.1 Antenna requirement	10
	5.2 AC power line conducted emissions	11
	5.3 6dB occupied bandwidth	20
	5.4 Conducted peak output power	22
	5.5 Power spectral density test	
	5.6 Conducted emissions at the band edge	26
	5.7 Conducted spurious emissions	28
	5.8 Duty Cycle	31
	5.9 Radiated spurious emission	32
Ρ	Photographs of the Test Setup	41
Ρ	Photographs of the EUT	42



Test Result Certification				
Applicant:	Guangdong Wangjia Intelligent Robot Co., Ltd.			
Address:	Room 301, The Fifth Building No.1 Junma Road, Humen Town 523900 Dongguan, Guangdong PEOPLE'S REPUBLIC OF CHINA			
Manufacturer:	Guangdong Wangjia Intelligent Robot Co., Ltd.			
Address:	Room 301, The Fifth Building No.1 Junma Road, Humen Town 523900 Dongguan, Guangdong PEOPLE'S REPUBLIC OF CHINA			
Product description				
Product name:	Robotic Vacuum Cleaner			
Trademark:	N/A			
Model name:	S600			
Serial Model:	N/A			
Standards:	FCC 47 CFR Part 15 Subpart C			
Test method:	ANSI C63.10-2013			
Date of Test				
Date of test:	2022-06-10 ~2022-06-25			
Test result: Pass				

Test Engineer	:	Servid.
		(David Lee)
Reviewed By:	:	leon chen
		(Leon Chen)
Approved By:	:	Tom Xue
		(Tom Xue)



1 General Description

1.1 Description of EUT

Product name:	Robotic Vacuum Cleaner
Model name:	S600
Series Model:	N/A
Model difference:	N/A
Electrical rating:	Input: AC 100V-240V 50/60Hz Battery: DC 14.4V 3000mAh 43.2Wh
Hardware version:	S600_V1.7
Software version:	V6.0.30
Accessories:	Adapter 1: Model: NLB060190W1A5S58 Input: 100-240V~ 50/60Hz 0.35A Max Output: 19V=600mA Adapter 2: Model: CZH013190060USWP Input: 100-240V~ 50/60Hz 0.4A Max Output: 19V=600mA
EUT serial number:	MTi220607011-05-S0001
RF specification:	
Bluetooth version:	V4.2
Operation frequency:	2402 MHz ~ 2480 MHz
Modulation type:	GFSK
Antenna designation:	PCB antenna, antenna Gain: 2.5dBi
Max. peak conducted output power:	2.38 dBm

1.2 Description of test modes

1.2.1 Operation channel list

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	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



1.2.2 Test channels

Chanel	Frequency	
Lowest (CH0)	2402MHz	
Middle (CH19)	2440MHz	
Highest (CH39)	2480MHz	

Note: The test software has been used to control EUT for working in engineering mode, that enables selectable channel, and capable of continuous transmitting mode.

1.2.3 Description of support units

Support equipment list						
Description	Model	Serial No.	Manufacturer			
/	/	/	/			

1.3 Measurement uncertainty

Parameter	Measurement uncertainty	
AC power line conducted emission (9 kHz~30 MHz)	±2.5 dB	
Occupied Bandwidth	±3 %	
Conducted RF output power	±0.16 dB	
Conducted spurious emissions	±0.21 dB	
Radiated emission (9 kHz ~ 30 MHz)	±4.0 dB	
Radiated emission (30 MHz~1 GHz)	±4.2 dB	
Radiated emission (above 1 GHz)	±4.3 dB	

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



2 Summary of Test Result

No.	FCC reference	Description of test	Result
1	§ 15.203	Antenna requirement	Pass
2	§ 15.207	AC power line conducted emissions	Pass
3	15.247(a)(2)	6dB occupied bandwidth	Pass
4	15.247(b)(3)	Conducted peak output power	Pass
5	15.247(e)	Power Spectral Density	Pass
6	15.247(d)	Conducted emission at the band edge	Pass
7	15.247(d)	Conducted spurious emissions	Pass
8	/	Duty Cycle	Pass
9	9 15.247(d) Radiated spurious emissions		Pass

Note: N/A means not applicable.



3 Test Facilities and Accreditations

3.1 Test laboratory

Test laboratory:	Shenzhen Microtest Co., Ltd.
Test site location:	101, No. 7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Telephone:	(86-755)88850135
Fax:	(86-755)88850136
CNAS Registration No.:	CNAS L5868
FCC Registration No.:	448573



4 Equipment List

No.	Equipment	Manufacturer	Model	Serial No.	Cal. date	Cal. Due
MTi-E002	EMI Test Receiver	R&S	ESCI3	101368	2022/05/05	2023/05/04
MTi-E023	Artificial power network	Schwarzbeck	NSLK8127	NSLK8127# 841	2022/05/05	2023/05/04
MTi-E025	Artificial power network	Schwarzbeck	NSLK8127	8127183	2022/05/05	2023/05/04
MTI-E043	EMI test receiver	R&S	ESCI7	101166	2022/05/05	2023/05/04
MTI-E046	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00044	2021/05/30	2023/05/29
MTI-E044	Broadband antenna	Schwarzbeck	VULB9163	9163-1338	2021/05/30	2023/05/29
MTI-E045	Horn antenna	Schwarzbeck	BBHA9120D	9120D-2278	2021/05/30	2023/05/29
MTI-E047	Pre-amplifier	Hewlett-Packard	8447F	3113A06184	2022/05/05	2023/05/04
MTI-E048	Pre-amplifier	Agilent	8449B	3008A01120	2022/05/05	2023/05/04
MTi-E120	Broadband antenna	Schwarzbeck	VULB9163	9163-1419	2021/05/30	2023/05/29
MTi-E121	Pre-amplifier	Hewlett-Packard	8447D	2944A09365	2022/04/15	2023/04/14
MTi-E123	Pre-amplifier	Agilent	8449B	3008A04723	2022/05/05	2023/05/04
MTi-E135	Horn antenna	Schwarzbeck	BBHA 9170	00987	2021/05/30	2023/05/29
MTi-E136	Pre-amplifier	Space-Dtronics	EWLAN1840G -G45	210405001	2022/05/05	2023/05/04
MTi-E062	PXA Signal Analyzer	Agilent	N9030A	MY51350296	2022/05/05	2023/05/04
MTi-E067	RF Control Unit	Tonscend	JS0806-1	19D8060152	2022/05/05	2023/05/04
MTi-E068	RF Control Unit	Tonscend	JS0806-2	19D8060153	2022/05/05	2023/05/04
MTi-E069	Band Reject Filter Group	Tonscend	JS0806-F	19D8060160	2022/05/05	2023/05/04
MTI-E010S	EMI Measurement Software	Farad	EZ-EMC Ver. EMEC-3A1	/	/	/
MTI-E014S	RF Test System	Tonscend	TS®JS1120 V2.6.88.0330	/	/	/



5 Test Result

5.1 Antenna requirement

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 shall be considered sufficient to comply with the provisions of this section. 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. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

Description of the antenna of EUT

The antenna of EUT is PCB antenna (Antenna Gain: 2.5 dBi). which is no consideration of replacement.

5.2 AC power line conducted emissions

5.2.1 Limits

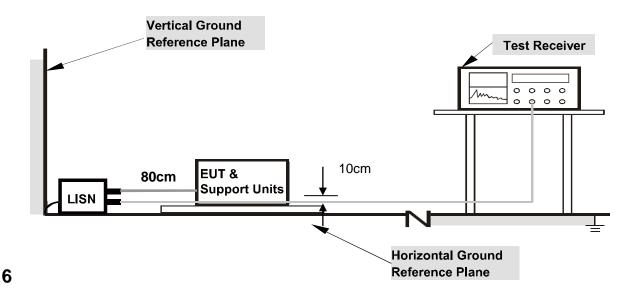
Frequency (MHz)	Detector type / Bandwidth	Limit-Quasi-peak dBµV	Limit-Average dBµV
0.15 -0.5	Average / 9 kHz	66 to 56	56 to 46
0.5 -5		56	46
5 -30		60	50

Note 1: the limit decreases with the logarithm of the frequency in the range of 0.15 MHz to 0.5 MHz.

5.2.2 Test Procedures

- a) The test setup is refer to the standard ANSI C63.10-2013.
- b) The EUT is connected to the main power through a line impedance stabilization network (LISN). All support equipment is powered from additional LISN(s).
- c) Emissions were measured on each current carrying line of the EUT using an EMI test receiver connected to the LISN powering the EUT.
- d) The test receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes described in Item 1.2.
- e) The test data of the worst-case condition(s) was recorded.

5.2.3 Test setup



For the actual test configuration, please refer to the related item – Photographs of the test setup.

6.1.1 Test Result

Notes:

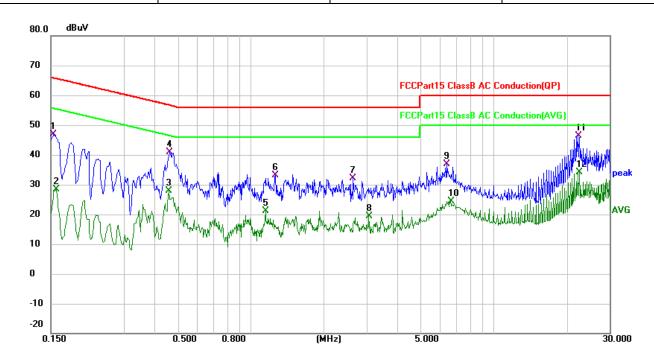
All modes of operation of the EUT were investigated, and only the worst-case results are reported.

Calculation formula:

Measurement ($dB\mu V$) = Reading Level ($dB\mu V$) + Correct Factor (dB) Over (dB) = Measurement (dB μ V) – Limit (dB μ V)

Adapter 1:

Test mode:	Charging+TX	Phase:	L
Power supply:	Power by AC/DC adapter (AC 120V/60Hz)	Test site:	CE chamber 1



k Fred	Reading	Correct	Measure-	Limit	Over	
MHz	dBuV	dB	dBuV	dBuV	dB	Detector
0.1539	35.83	10.99	46.82	65.79	-18.97	QP
0.1580	17.49	10.99	28.48	55.57	-27.09	AVG
0.4580	16.91	11.03	27.94	46.73	-18.79	AVG
0.4620	29.89	11.02	40.91	56.66	-15.75	QP
1.1500	7.46	13.59	21.05	46.00	-24.95	AVG
1.2660	19.23	13.86	33.09	56.00	-22.91	QP
2.6500	20.63	11.40	32.03	56.00	-23.97	QP
3.0660	8.11	11.39	19.50	46.00	-26.50	AVG
6.4060	25.19	11.57	36.76	60.00	-23.24	QP
6.6580	12.84	11.59	24.43	50.00	-25.57	AVG
22.2460	34.56	11.82	46.38	60.00	-13.62	QP
22.6259	22.38	11.81	34.19	50.00	-15.81	AVG
	0.1580 0.4580 0.4620 1.1500 1.2660 2.6500 3.0660 6.4060 6.6580 22.2460	MHz dBuV 0.1539 35.83 0.1580 17.49 0.4580 16.91 0.4620 29.89 1.1500 7.46 1.2660 19.23 2.6500 20.63 3.0660 8.11 6.4060 25.19 6.6580 12.84 22.2460 34.56	MHz dBuV dB 0.1539 35.83 10.99 0.1580 17.49 10.99 0.4580 16.91 11.03 0.4620 29.89 11.02 1.1500 7.46 13.59 1.2660 19.23 13.86 2.6500 20.63 11.40 3.0660 8.11 11.39 6.4060 25.19 11.57 6.6580 12.84 11.59 22.2460 34.56 11.82	MHz dBuV dB dBuV 0.1539 35.83 10.99 46.82 0.1580 17.49 10.99 28.48 0.4580 16.91 11.03 27.94 0.4620 29.89 11.02 40.91 1.1500 7.46 13.59 21.05 1.2660 19.23 13.86 33.09 2.6500 20.63 11.40 32.03 3.0660 8.11 11.39 19.50 6.4060 25.19 11.57 36.76 6.6580 12.84 11.59 24.43 22.2460 34.56 11.82 46.38	MHz dBuV dB dBuV dBuV 0.1539 35.83 10.99 46.82 65.79 0.1580 17.49 10.99 28.48 55.57 0.4580 16.91 11.03 27.94 46.73 0.4620 29.89 11.02 40.91 56.66 1.1500 7.46 13.59 21.05 46.00 1.2660 19.23 13.86 33.09 56.00 2.6500 20.63 11.40 32.03 56.00 3.0660 8.11 11.39 19.50 46.00 6.4060 25.19 11.57 36.76 60.00 6.6580 12.84 11.59 24.43 50.00 22.2460 34.56 11.82 46.38 60.00	MHz dBuV dB dBuV dBuV dB 0.1539 35.83 10.99 46.82 65.79 -18.97 0.1580 17.49 10.99 28.48 55.57 -27.09 0.4580 16.91 11.03 27.94 46.73 -18.79 0.4620 29.89 11.02 40.91 56.66 -15.75 1.1500 7.46 13.59 21.05 46.00 -24.95 1.2660 19.23 13.86 33.09 56.00 -22.91 2.6500 20.63 11.40 32.03 56.00 -23.97 3.0660 8.11 11.39 19.50 46.00 -26.50 6.4060 25.19 11.57 36.76 60.00 -23.24 6.6580 12.84 11.59 24.43 50.00 -25.57 22.2460 34.56 11.82 46.38 60.00 -13.62

30.000



-20

Test mode	:	Char	ging-	+TX		Phas	e:					N	N	
Power sup	pply:	Powe (AC 1	r by 20V	AC/ //60I	/DC adapter Hz)	Test	site:					CE cham	CE chamber 1	
80.0	dBu∀													,
70	_													
60								FCCI	Part15	Clas	sB AC	Conduction(QP)		
50								FCCI	art1	Clas	sB AC	Conduction(AVG)	11	
40	MAMMA	4	14	N/N.	5	no bacilir.	8 	hata	12.22.21.24.44	10		اللس.	12	peak
30 2	2 T 4		WN	And In	E WINNERS	handradhadhe	ባ/ሌሥዘነም 7	Andhu	100	9 %.	чили.			AVG
20	V MANAMA	VY VW	~~\^^\\ \	property partition	Carlord Acres for	whenha	Kudapl.	Aleka K	had product	Park M.	MALL.		Na	Ava
10	ν γ γ													
0														
-10														

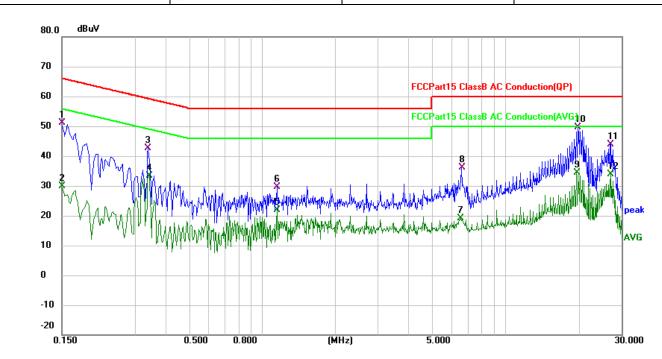
(MHz)

0.800

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1580	37.59	10.98	48.57	65.57	-17.00	QP
2	0.1580	17.78	10.98	28.76	55.57	-26.81	AVG
3	0.4780	32.09	10.89	42.98	56.37	-13.39	QP
4	0.4780	21.67	10.89	32.56	46.37	-13.81	AVG
5	1.1500	23.90	13.52	37.42	56.00	-18.58	QP
6	1.1500	10.67	13.52	24.19	46.00	-21.81	AVG
7	3.0660	11.96	11.37	23.33	46.00	-22.67	AVG
8	3.4540	24.97	11.37	36.34	56.00	-19.66	QP
9	6.3420	13.57	11.39	24.96	50.00	-25.04	AVG
10	6.4340	27.86	11.40	39.26	60.00	-20.74	QP
11 *	22.2420	34.88	11.82	46.70	60.00	-13.30	QP
12	22.2420	20.20	11.82	32.02	50.00	-17.98	AVG

Adapter 2:

Test mode:	Charging+TX	Phase:	L
Power supply:	Power by AC/DC adapter (AC 120V/60Hz)	Test site:	CE chamber 1



No. MI	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1500	40.04	10.99	51.03	66.00	-14.97	QP
2	0.1500	18.95	10.99	29.94	56.00	-26.06	AVG
3	0.3379	31.59	10.98	42.57	59.25	-16.68	QP
4	0.3420	22.40	10.98	33.38	49.15	-15.77	AVG
5	1.1500	8.39	13.59	21.98	46.00	-24.02	AVG
6	1.1539	16.16	13.59	29.75	56.00	-26.25	QP
7	6.5900	7.54	11.59	19.13	50.00	-30.87	AVG
8	6.6060	24.42	11.59	36.01	60.00	-23.99	QP
9	19.5620	22.66	11.83	34.49	50.00	-15.51	AVG
10 *	19.9420	37.88	11.84	49.72	60.00	-10.28	QP
11	27.2300	32.17	11.75	43.92	60.00	-16.08	QP
12	27.2300	22.15	11.75	33.90	50.00	-16.10	AVG

30.000



-10 -20

0.150

0.500

0.800

Test mod	e:		Char	ging	j+T>	(Phas	e:					N			
Power su	ipply:		Powe (AC 1	er by 120\	/ AC //60	/DC adapter Hz)	Test	site:					CE chaml	CE chamber 1		
80.0	dBu∀											_			ı	
70																
60		_							FCCI	Part15	Class	B AC	Conduction(QP)			
50	1 X								FCCI	art15	Class	B AC	Conduction(AVG)	12		
40	M _M	3				_					8		, , , , , , , , , , , , , , , , , , ,			
30	<u>₹</u> '\\\	Maik	Ma		1	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			<u>.</u> .	HW						
20	<u> </u>		Marketta.		Marrie	ANAMAN MANAMATAN MANAMATAN ANAMATAN MANAMATAN ANAMATAN MANAMATAN ANAMATAN MANAMATAN ANAMATAN MANAMATAN ANAMATAN	ATHAIR LAND		ANAL.		MUM Mum				peak	
10	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\\\\	MMwJ,	W	"V""VM	Manbellike, ikk a rake sak a	. 411	· Y ·							AVG	
0																

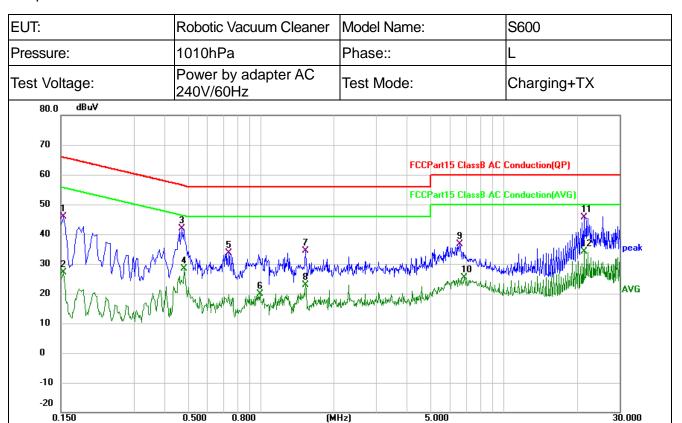
(MHz)

5.000

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1700	36.62	10.96	47.58	64.96	-17.38	QP
2		0.1700	18.37	10.96	29.33	54.96	-25.63	AVG
3		0.3420	30.58	10.90	41.48	59.15	-17.67	QP
4	*	0.3420	26.04	10.90	36.94	49.15	-12.21	AVG
5		1.9180	18.19	15.22	33.41	56.00	-22.59	QP
6		1.9180	9.83	15.22	25.05	46.00	-20.95	AVG
7		5.7540	11.34	11.38	22.72	50.00	-27.28	AVG
8		6.5900	25.25	11.39	36.64	60.00	-23.36	QP
9		19.9460	31.43	11.85	43.28	60.00	-16.72	QP
10		19.9460	21.04	11.85	32.89	50.00	-17.11	AVG
11		27.2340	21.31	11.73	33.04	50.00	-16.96	AVG
12		27.6180	32.18	11.73	43.91	60.00	-16.09	QP



Adapter 1:



No. N	1k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1539	34.89	10.99	45.88	65.79	-19.91	QP
2	0.1539	16.23	10.99	27.22	55.79	-28.57	AVG
3	0.4737	30.82	11.04	41.86	56.45	-14.59	QP
4	0.4818	17.21	11.06	28.27	46.31	-18.04	AVG
5	0.7419	22.63	11.11	33.74	56.00	-22.26	QP
6	0.9939	6.53	13.26	19.79	46.00	-26.21	AVG
7	1.5339	20.01	14.41	34.42	56.00	-21.58	QP
8	1.5339	8.41	14.41	22.82	46.00	-23.18	AVG
9	6.6219	24.99	11.59	36.58	60.00	-23.42	QP
10	6.9019	13.70	11.60	25.30	50.00	-24.70	AVG
11 *	21.4780	33.85	11.82	45.67	60.00	-14.33	QP
12	21.4780	22.37	11.82	34.19	50.00	-15.81	AVG

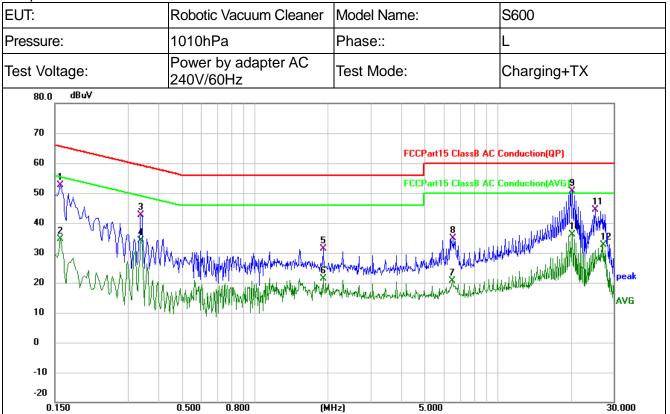


JT:		Robo	otic V	acu/	ıum Cleaner	Mode	Nan	ne:				S600			
essure:		1010	hPa			Phase	э::					N	N		
est Voltage:		Power by adapter AC 240V/60Hz Test Mode: Charging			Power by adapter AC 240V/60Hz			Test Mode:			Charging+	Charging+TX			
80.0 dBuV															
70															
60	-							FCCF	art1	ClassB	AC	Conduction(QP)			
50								FCCF	art1	i ClassB	AC	Conduction(AVG)	1,2		
40		Å			5 *	7		K.mat /	and the state of t	10 X		للالين		peak	
30 2 7		MW	MANA	an Mari	ev Nava A	_{¶/} [ሢለለ ት /ኂ 8	MMM	Marahan	W I · ·	9 M	Ju,				
20		N YW	MWM	Aleksel Lad	wall wall my want	7.// ~	hindaylo	e proportion	ndigend	They you have	WU		Allinas, sites.	AVG	
10	MM. I			, v	, , , , , , , , , , , , , , , , , , ,										
0															
-10															
-20															
0.150		0.500	0	.800	(MI	Hz)		5.	000				30	0.000	

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1500	33.63	10.99	44.62	66.00	-21.38	QP
2		0.1779	16.35	10.94	27.29	54.58	-27.29	AVG
3	*	0.4778	32.13	10.89	43.02	56.38	-13.36	QP
4		0.4818	21.75	10.90	32.65	46.31	-13.66	AVG
5		1.5339	21.98	14.36	36.34	56.00	-19.66	QP
6		1.5339	10.21	14.36	24.57	46.00	-21.43	AVG
7		2.2940	18.55	15.96	34.51	56.00	-21.49	QP
8		2.6859	11.97	11.38	23.35	46.00	-22.65	AVG
9		6.4259	13.62	11.40	25.02	50.00	-24.98	AVG
10		6.5217	26.10	11.39	37.49	60.00	-22.51	QP
11		21.8618	21.75	11.82	33.57	50.00	-16.43	AVG
12		22.2500	33.63	11.82	45.45	60.00	-14.55	QP



Adapter 2:



MHz dBuV dB dBuV dB uV dB uV<	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
2 0.1580 23.63 10.99 34.62 55.57 -20.95 AVG 3 0.3379 31.73 10.98 42.71 59.25 -16.54 QP 4 0.3379 23.14 10.98 34.12 49.25 -15.13 AVG 5 1.9177 16.22 15.25 31.47 56.00 -24.53 QP 6 1.9177 6.25 15.25 21.50 46.00 -24.50 AVG 7 6.5179 8.99 11.58 20.57 50.00 -29.43 AVG 8 6.5777 23.28 11.59 34.87 60.00 -25.13 QP 9 * 20.3260 38.81 11.83 50.64 60.00 -9.36 QP 10 20.3260 24.26 11.83 36.09 50.00 -13.91 AVG 11 25.3140 32.72 11.78 44.50 60.00 -15.50 QP			MHz	dBuV	dB	dBuV	dBuV	dB	Detector
3 0.3379 31.73 10.98 42.71 59.25 -16.54 QP 4 0.3379 23.14 10.98 34.12 49.25 -15.13 AVG 5 1.9177 16.22 15.25 31.47 56.00 -24.53 QP 6 1.9177 6.25 15.25 21.50 46.00 -24.50 AVG 7 6.5179 8.99 11.58 20.57 50.00 -29.43 AVG 8 6.5777 23.28 11.59 34.87 60.00 -25.13 QP 9 * 20.3260 38.81 11.83 50.64 60.00 -9.36 QP 10 20.3260 24.26 11.83 36.09 50.00 -13.91 AVG 11 25.3140 32.72 11.78 44.50 60.00 -15.50 QP	1		0.1580	41.62	10.99	52.61	65.57	-12.96	QP
4 0.3379 23.14 10.98 34.12 49.25 -15.13 AVG 5 1.9177 16.22 15.25 31.47 56.00 -24.53 QP 6 1.9177 6.25 15.25 21.50 46.00 -24.50 AVG 7 6.5179 8.99 11.58 20.57 50.00 -29.43 AVG 8 6.5777 23.28 11.59 34.87 60.00 -25.13 QP 9 * 20.3260 38.81 11.83 50.64 60.00 -9.36 QP 10 20.3260 24.26 11.83 36.09 50.00 -13.91 AVG 11 25.3140 32.72 11.78 44.50 60.00 -15.50 QP	2		0.1580	23.63	10.99	34.62	55.57	-20.95	AVG
5 1.9177 16.22 15.25 31.47 56.00 -24.53 QP 6 1.9177 6.25 15.25 21.50 46.00 -24.50 AVG 7 6.5179 8.99 11.58 20.57 50.00 -29.43 AVG 8 6.5777 23.28 11.59 34.87 60.00 -25.13 QP 9 * 20.3260 38.81 11.83 50.64 60.00 -9.36 QP 10 20.3260 24.26 11.83 36.09 50.00 -13.91 AVG 11 25.3140 32.72 11.78 44.50 60.00 -15.50 QP	3		0.3379	31.73	10.98	42.71	59.25	-16.54	QP
6 1.9177 6.25 15.25 21.50 46.00 -24.50 AVG 7 6.5179 8.99 11.58 20.57 50.00 -29.43 AVG 8 6.5777 23.28 11.59 34.87 60.00 -25.13 QP 9 * 20.3260 38.81 11.83 50.64 60.00 -9.36 QP 10 20.3260 24.26 11.83 36.09 50.00 -13.91 AVG 11 25.3140 32.72 11.78 44.50 60.00 -15.50 QP	4		0.3379	23.14	10.98	34.12	49.25	-15.13	AVG
7 6.5179 8.99 11.58 20.57 50.00 -29.43 AVG 8 6.5777 23.28 11.59 34.87 60.00 -25.13 QP 9 * 20.3260 38.81 11.83 50.64 60.00 -9.36 QP 10 20.3260 24.26 11.83 36.09 50.00 -13.91 AVG 11 25.3140 32.72 11.78 44.50 60.00 -15.50 QP	5		1.9177	16.22	15.25	31.47	56.00	-24.53	QP
8 6.5777 23.28 11.59 34.87 60.00 -25.13 QP 9 * 20.3260 38.81 11.83 50.64 60.00 -9.36 QP 10 20.3260 24.26 11.83 36.09 50.00 -13.91 AVG 11 25.3140 32.72 11.78 44.50 60.00 -15.50 QP	6		1.9177	6.25	15.25	21.50	46.00	-24.50	AVG
9 * 20.3260 38.81 11.83 50.64 60.00 -9.36 QP 10 20.3260 24.26 11.83 36.09 50.00 -13.91 AVG 11 25.3140 32.72 11.78 44.50 60.00 -15.50 QP	7		6.5179	8.99	11.58	20.57	50.00	-29.43	AVG
10 20.3260 24.26 11.83 36.09 50.00 -13.91 AVG 11 25.3140 32.72 11.78 44.50 60.00 -15.50 QP	8		6.5777	23.28	11.59	34.87	60.00	-25.13	QP
11 25.3140 32.72 11.78 44.50 60.00 -15.50 QP	9	*	20.3260	38.81	11.83	50.64	60.00	-9.36	QP
	10		20.3260	24.26	11.83	36.09	50.00	-13.91	AVG
12 27.2257 20.99 11.75 32.74 50.00 -17.26 AVG	11		25.3140	32.72	11.78	44.50	60.00	-15.50	QP
	12		27.2257	20.99	11.75	32.74	50.00	-17.26	AVG



JT:			Robotic Vacuum Cleaner		Mode	Model Name:			S600						
essure	e:		1010hPa Pr		Phas	Phase::			N	N					
st Vol	tage:		Power by adapter AC 240V/60Hz Test Mode: Charging+TX												
80.0	dBu∀												1		
70									FCCF	Part1!	ō ClassB	AC	Conduction(QP)		
60	1	-	_												
50	Å	3	_						FLLI	art I	LlassB	AL	Conduction(AVG)	_	
40	\$ WWW.	li Lelle	1			, 5	. 1				8 M			12	
30	/\\.		Mornall	Mulmhild	distance of the	Mary Mary Mary Mary Mary Mary Mary Mary	my har willer	while	May Apr	wild M	z luh	July	Wednesday.	M	
20	, Marthill	// <u>//</u> ////	M~M				andrique de la company	hoteley),	n kuntu			d de		peak	
10				+		<u> </u>						+		AVG	i
0															
-10												+			
-20															
0. ⁵	150		0.50	0 (0.800	(M	Hz)		5	.000				30.000)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	*	0.1580	42.82	10.98	53.80	65.57	-11.77	QP
2		0.1620	22.29	10.98	33.27	55.36	-22.09	AVG
3		0.3379	34.22	10.90	45.12	59.25	-14.13	QP
4		0.3379	25.40	10.90	36.30	49.25	-12.95	AVG
5		1.5339	20.38	14.36	34.74	56.00	-21.26	QP
6		1.5339	11.87	14.36	26.23	46.00	-19.77	AVG
7		6.5217	12.72	11.39	24.11	50.00	-25.89	AVG
8		6.6459	26.13	11.39	37.52	60.00	-22.48	QP
9		19.5619	21.14	11.84	32.98	50.00	-17.02	AVG
10		20.3300	31.78	11.84	43.62	60.00	-16.38	QP
11		25.7020	30.84	11.76	42.60	60.00	-17.40	QP
12		26.8460	20.74	11.74	32.48	50.00	-17.52	AVG



6.2 6dB occupied bandwidth

6.2.1 Limits

Systems using digital modulation techniques may operate in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

6.2.2 Test setup

EUT	Spectrum
	Analyzer

6.2.3 Test procedures

- a) Test method: ANSI C63.10-2013 Section 11.8.2.
- b) The transmitter output of EUT is connected to the spectrum analyzer.
- c) Spectrum analyzer setting: RBW = 100 kHz, VBW = 300 kHz, detector = Peak

6.2.4 Test results

Mode	Test channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
	CH0	2402	0.6624	≥ 0.5
BLE 1Mbps	CH19	2440	0.6512	≥ 0.5
	CH39	2480	0.6620	≥ 0.5



6dB occupied bandwidth

CH₀



CH19



CH39





6.3 Conducted peak output power

6.3.1 Limits

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt.

6.3.2 Test setup

EUT	Spectrum
E01	Analyzer

6.3.3 Test procedure

- a) Test method: ANSI C63.10-2013 Section 11.9.1.1.
- b) The EUT was set to continuously transmitting in the max power during the test.
- c) The transmitter output of EUT is connected to the spectrum analyzer.
- d) Spectrum analyzer setting: RBW ≥ 6dB occupied bandwidth, VBW ≥ 3 x RBW, detector = Peak

6.3.4 Test results

Mode	Test channel	Frequency (MHz)	Conducted peak output power (dBm)	Limit (dBm)
	CH0	2402	2.38	≤ 30
BLE 1Mbps	CH19	2440	1.84	≤ 30
	CH39	2480	2.38	≤ 30



Peak conducted output power

CH₀



CH19



CH39





6.4 Power spectral density test

6.4.1 Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

6.4.2 Test setup



6.4.3 Test Procedure

- a) Test method: ANSI C63.10-2013 Section 11.10.2.
- b) The EUT was set to continuously transmitting in the max power during the test.
- c) The transmitter output of EUT is connected to the spectrum analyzer.
- d) Spectrum analyzer setting: RBW = 3 kHz, VBW = 10 kHz, detector = Peak

6.4.4 Test Results

Mode	Test channel	Frequency (MHz)	Power spectral density (dBm/3kHz)	Limit (dBm/3kHz)
	CH0	2402	-13.01	≤ 8
BLE 1Mbps	CH19	2440	-13.71	≤ 8
	CH39	2480	-13.28	≤ 8



Power spectral density

CH₀



CH19



CH39





6.5 Conducted emissions at the band edge

6.5.1 Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

6.5.2 Test setup



6.5.3 Test procedure

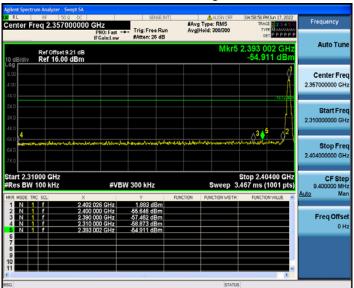
- a) Test method: ANSI C63.10-2013 Section 11.13
- b) The EUT was set to continuously transmitting in the max power during the test.
- c) The transmitter output of EUT is connected to the spectrum analyzer.
- d) Spectrum analyzer setting: RBW = 100 kHz, VBW = 300 kHz, Detector = Peak.

6.5.4 Test results

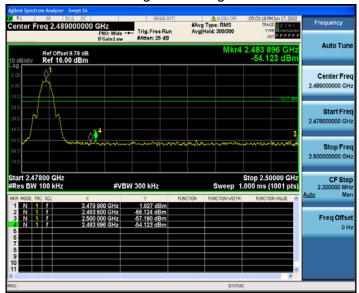


BLE 1Mbps - conducted emissions at the band edge

Low band-edge



High band-edge





6.6 Conducted spurious emissions

6.6.1 Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

6.6.2 Test setup



6.6.3 Test procedure

- a) Test method: ANSI C63.10-2013 Section 11.11 & 11.12.
- b) The EUT was set to continuously transmitting in the max power during the test.
- c) The transmitter output of EUT is connected to the spectrum analyzer.
- d) Spectrum analyzer setting: RBW = 100 kHz, VBW = 300 kHz, Detector = Peak.

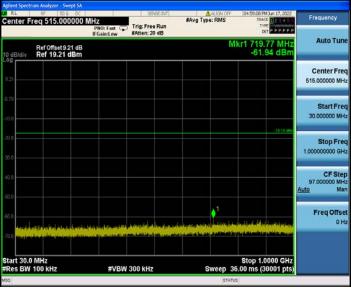
6.6.4 Test results

Page 29 of 42 Report No.: MTi220607011-05E2

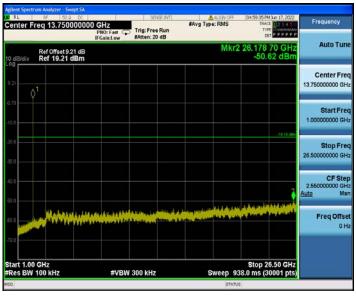
BLE 1Mbps - conducted spurious emissions





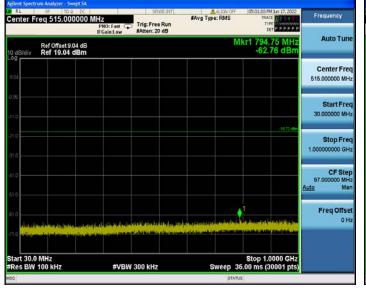


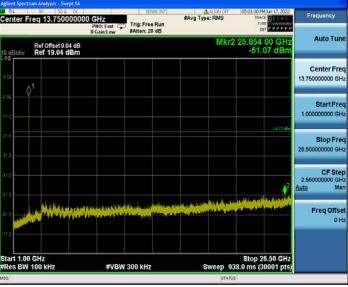
CH₀ **CH19**





CH19 CH19



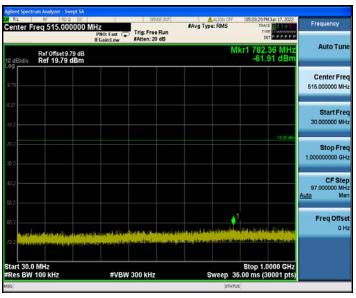




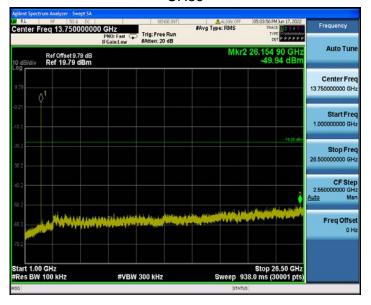
BLE 1Mbps - conducted spurious emissions

CH39 CH39





CH39





6.7 Duty Cycle

6.7.1 Conformance Limit

None, for reporting purposes only.

6.7.2 Test setup



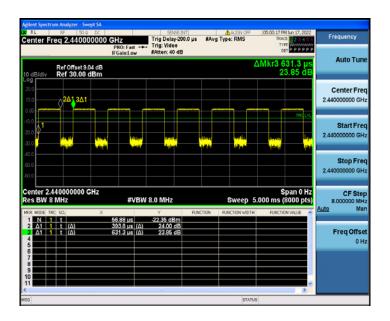
6.7.3 Test procedure

- a) Test method: KDB 558074 Zero-span spectrum analyzer method.
- b) The EUT was set to continuously transmitting in the max power during the test.
- c) The transmitter output of EUT is connected to the spectrum analyzer.
- d) Spectrum analyzer setting: RBW = 100 kHz, VBW = 300 kHz, Detector = Peak.

6.7.4 Test Results

TestMode	Transmission Duration (ms]	Transmission Period (ms]	Duty Cycle (%)
BLE 1Mbps	0.3938	0.6313	62.38

BLE 1Mbps





6.8 Radiated spurious emission

6.8.1 Limits

§ 15.247 (d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

§ 15.209 Radiated emission limits at restricted bands:

Frequency (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 tighter limit applies at the band edges.

Note 2: the emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector

§ 15.35 (b) requirements:

When average radiated emission measurements are specified in this part, including average emission measurements below 1000 MHz, there also is a limit on the peak level of the radio frequency emissions. Unless otherwise specified, e.g., see §§ 15.250, 15.252, 15.253(d), 15.255, 15.256, and 15.509 through 15.519, the limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit applicable to the equipment under test.



According to ANSI C63.10-2013, the tests shall be performed in the frequency range shown in the following table:

Frequency range of measurements for unlicensed wireless device

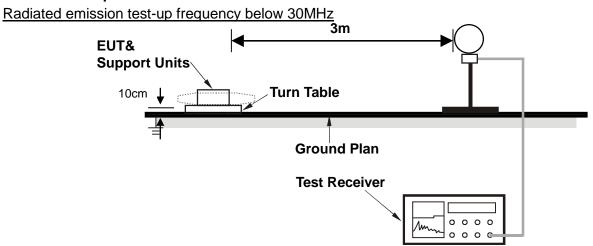
Lowest frequency generated in the device	Upper frequency range of measurement
9 kHz to below 10 GHz	10th harmonic of highest fundamental frequency or to 40 GHz, whichever is lower
At or above 10 GHz to below 30 GHz	5th harmonic of highest fundamental frequency or to 100 GHz, whichever is lower
At or above 30 GHz	5th harmonic of highest fundamental frequency or to 200 GHz, whichever is lower, unless otherwise specified

Frequency range of measurements for unlicensed wireless device with digital device

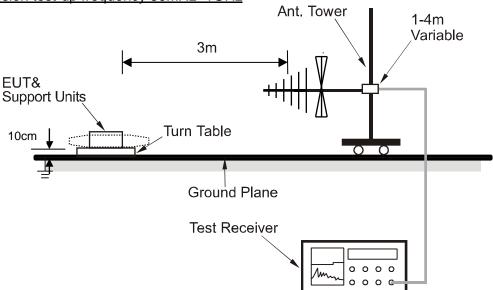
Highest frequency generated or used in the device or on which the device operates or tunes	Upper frequency range of measurement
Below 1.705 MHz	30 MHz
1.705 MHz to 108 MHz	1000 MHz
108 MHz to 500 MHz	2000 MHz
500 MHz to 1000 MHz	5000 MHz
Above 1000 MHz	5th harmonic of the highest frequency or 40 GHz, whichever is lower



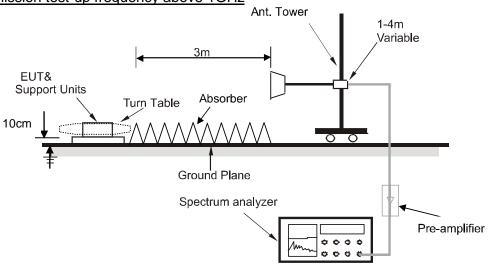
6.8.2 Test setup



Radiated emission test-up frequency 30MHz~1GHz



Radiated emission test-up frequency above 1GHz



For the actual test configuration, please refer to the related item – Photographs of the test setup.



6.8.3 Test procedure

- a) Test method: ANSI C63.10-2013 Section 6.3, 6.4, 6.5, 6.6, 11.11, 11.12, 11.13.
- b) The EUT is placed on an on-conducting table 0.1 meters above the ground plane for measurement below 1GHz, 0.1 meters above the ground plane for measurement above 1GHz.
- c) Emission blew 18 GHz were measured at a 3 meters test distance, above 18 GHz were measured at 1-meter test distance with the application of a distance correction factor
- d) The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

Test instrument setup

Frequency	Test receiver / Spectrum analyzer setting
9 kHz ~ 150 kHz	Quasi Peak / RBW: 200 Hz
150 kHz ~ 30 MHz	Quasi Peak / RBW: 9 kHz
30 MHz ~ 1 GHz	Quasi Peak / RBW: 120 kHz
Above 1 GHz	Peak / RBW: 1 MHz, VBW: 3MHz, Peak detector AVG / RBW: 1 MHz, VBW: 3MHz, Average detector

6.8.4 Test results

Notes:

The amplitude of spurious emissions which are attenuated more than 20 dB below the limits are not reported.

All modes of operation of the EUT were investigated, and only the worst-case results are reported. There were no emissions found below 30MHz within 20dB of the limit.

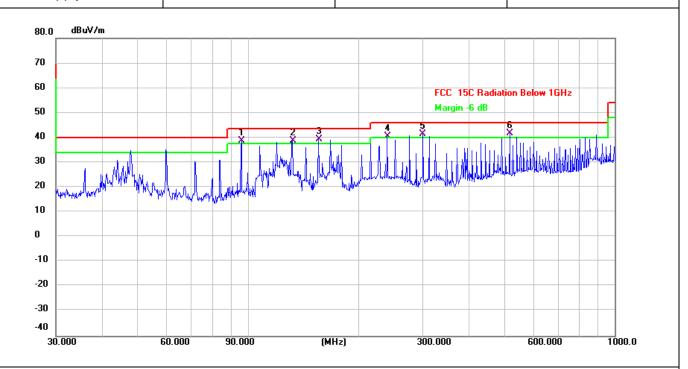
Calculation formula:

Measurement ($dB\mu V/m$) = Reading Level ($dB\mu V$) + Correct Factor (dB/m) Over (dB) = Measurement ($dB\mu V/m$) – Limit ($dB\mu V/m$)



Radiated emissions between 30MHz - 1GHz

Test mode:	TX	Polarization:	Horizontal
Power supply:	DC 19V	Test site:	RE chamber 2

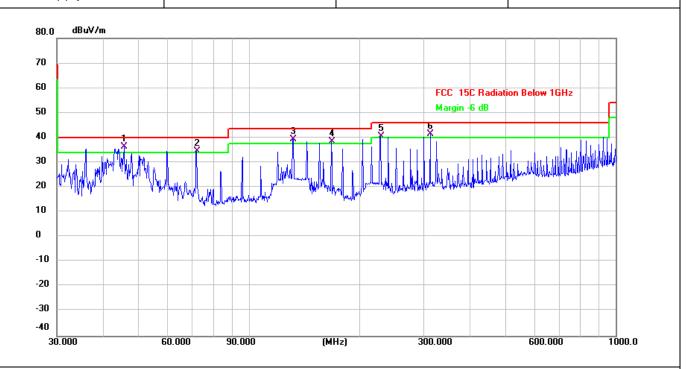


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	İ	96.0986	47.32	-8.66	38.66	43.50	-4.84	QP
2	İ	132.2206	49.64	-10.81	38.83	43.50	-4.67	QP
3	*	155.9101	49.49	-10.05	39.44	43.50	-4.06	QP
4	İ	239.9874	46.84	-6.30	40.54	46.00	-5.46	QP
5	ļ	300.3672	47.29	-5.86	41.43	46.00	-4.57	QP
6	ļ	517.2480	43.91	-2.30	41.61	46.00	-4.39	QP



Radiated emissions between 30MHz - 1GHz

Test mode:	TX	Polarization:	Vertical
Power supply:	DC 19V	Test site:	RE chamber 2



No.	Mk	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	45.6948	43.64	-7.41	36.23	40.00	-3.77	QP
2	ļ	72.0843	44.59	-10.04	34.55	40.00	-5.45	QP
3	ļ	131.7577	50.17	-10.81	39.36	43.50	-4.14	QP
4	ļ	167.8243	48.22	-9.66	38.56	43.50	-4.94	QP
5	ļ	228.4904	47.51	-6.84	40.67	46.00	-5.33	QP
6	ļ	312.1794	46.72	-5.22	41.50	46.00	-4.50	QP



Radiated emissions 1 GHz ~ 25 GHz

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector	Polarization		
(MHz)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(dB)	Peak/AVG	H/V		
	BLE 1Mbps - 2402 MHz TX mode								
4804	40.77	1.52	42.29	74.00	-31.71	Peak	V		
4804	36.17	1.52	37.69	54.00	-16.31	AVG	V		
7206	40.75	5.46	46.21	74.00	-27.79	Peak	V		
7206	35.90	5.46	41.36	54.00	-12.64	AVG	V		
9608	41.07	6.33	47.40	74.00	-26.60	Peak	V		
9608	36.32	6.33	42.65	54.00	-11.35	AVG	V		
4804	41.00	1.52	42.52	74.00	-31.48	Peak	Н		
4804	36.17	1.52	37.69	54.00	-16.31	AVG	Н		
7206	40.59	5.46	46.05	74.00	-27.95	Peak	Н		
7206	35.79	5.46	41.25	54.00	-12.75	AVG	Н		
9608	41.69	6.33	48.02	74.00	-25.98	Peak	Н		
9608	37.25	6.33	43.58	54.00	-10.42	AVG	Н		
		BLE	E 1Mbps - 244	10 MHz TX m	ode				
4880	41.59	1.68	43.27	74.00	-30.73	Peak	V		
4880	36.01	1.68	37.69	54.00	-16.31	AVG	V		
7320	46.07	5.45	51.52	74.00	-22.48	Peak	V		
7320	41.44	5.45	46.89	54.00	-7.11	AVG	V		
9760	40.83	6.37	47.20	74.00	-26.80	Peak	V		
9760	36.21	6.37	42.58	54.00	-11.42	AVG	V		
4880	40.13	1.68	41.81	74.00	-32.19	Peak	Н		
4880	34.53	1.68	36.21	54.00	-17.79	AVG	Н		
7320	39.69	5.45	45.14	74.00	-28.86	Peak	Н		
7320	34.69	5.45	40.14	54.00	-13.86	AVG	Н		
9760	40.53	6.37	46.90	74.00	-27.10	Peak	Н		
9760	35.50	6.37	41.87	54.00	-12.13	AVG	Н		



Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector	Polarization		
(MHz)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(dB)	Peak/AVG	H/V		
	BLE 1Mbps - 2480 MHz TX mode								
4960	40.34	1.83	42.17	74.00	-31.83	Peak	V		
4960	35.71	1.83	37.54	54.00	-16.46	AVG	V		
7440	39.76	5.43	45.19	74.00	-28.81	Peak	V		
7440	34.85	5.43	40.28	54.00	-13.72	AVG	V		
9920	41.00	6.41	47.41	74.00	-26.59	Peak	V		
9920	36.44	6.41	42.85	54.00	-11.15	AVG	V		
4960	40.52	1.83	42.35	74.00	-31.65	Peak	Н		
4960	35.82	1.83	37.65	54.00	-16.35	AVG	Н		
7440	40.90	5.43	46.33	74.00	-27.67	Peak	Н		
7440	35.80	5.43	41.23	54.00	-12.77	AVG	Н		
9920	41.22	6.41	47.63	74.00	-26.37	Peak	Н		
9920	36.17	6.41	42.58	54.00	-11.42	AVG	Н		



Radiated emissions at band edge

Reading Level	Correct Factor	Measurement	Limits	Over	Detector	Polarization
(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(dB)	Peak/AVG	H/V
	F	BLE 1Mbps – L	ow band-edg	е		
(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(dB)	Peak/AVG	H/V
48.36	-6.60	41.76	74.00	-32.24	Peak	V
38.58	-6.60	31.98	54.00	-22.02	AVG	V
49.01	-6.23	42.78	74.00	-31.22	Peak	V
39.36	-6.23	33.13	54.00	-20.87	AVG	V
49.46	-6.60	42.86	74.00	-31.14	Peak	Н
38.33	-6.60	31.73	54.00	-22.27	AVG	Н
50.34	-6.23	44.11	74.00	-29.89	Peak	Н
40.54	-6.23	34.31	54.00	-19.69	AVG	Н
	E	BLE 1Mbps – F	ligh band-edg	е		
48.98	-5.79	43.19	74.00	-30.81	Peak	V
39.06	-5.79	33.27	54.00	-20.73	AVG	V
49.96	-5.72	44.24	74.00	-29.76	Peak	V
38.96	-5.72	33.24	54.00	-20.76	AVG	V
51.79	-5.79	46.00	74.00	-28.00	Peak	Н
39.55	-5.79	33.76	54.00	-20.24	AVG	Н
48.56	-5.72	42.84	74.00	-31.16	Peak	Н
38.85	-5.72	33.13	54.00	-20.87	AVG	Н
	Level (dBµV) 48.36 38.58 49.01 39.36 49.46 38.33 50.34 40.54 48.98 39.06 49.96 38.96 51.79 39.55 48.56	Level Factor (dBμV) (dB/m) (dBμV) (dB/m) 48.36 -6.60 38.58 -6.60 49.01 -6.23 39.36 -6.23 49.46 -6.60 38.33 -6.60 50.34 -6.23 40.54 -6.23 48.98 -5.79 39.06 -5.79 49.96 -5.72 51.79 -5.79 48.56 -5.72	Level Factor Measurement (dBμV/m) (dBμV) (dB/m) (dBμV/m) 48.36 -6.60 41.76 38.58 -6.60 31.98 49.01 -6.23 42.78 39.36 -6.23 33.13 49.46 -6.60 42.86 38.33 -6.60 31.73 50.34 -6.23 44.11 40.54 -6.23 34.31 BLE 1Mbps - F 48.98 -5.79 43.19 39.06 -5.79 33.27 49.96 -5.72 44.24 38.96 -5.72 33.24 51.79 -5.79 46.00 39.55 -5.79 33.76 48.56 -5.72 42.84	Level (dBμV) Factor (dB/m) Measurement (dBμV/m) Limits (dBμV/m) BLE 1Mbps – Low band-edg (dBμV) (dB/m) (dBμV/m) (dBμV/m) 48.36 -6.60 41.76 74.00 38.58 -6.60 31.98 54.00 49.01 -6.23 42.78 74.00 39.36 -6.23 33.13 54.00 49.46 -6.60 42.86 74.00 38.33 -6.60 31.73 54.00 50.34 -6.23 44.11 74.00 40.54 -6.23 34.31 54.00 48.98 -5.79 43.19 74.00 39.06 -5.79 33.27 54.00 49.96 -5.72 44.24 74.00 38.96 -5.72 33.24 54.00 51.79 -5.79 33.76 54.00 48.56 -5.72 42.84 74.00	Level (dBμV) Factor (dBμV/m) Measurement (dBμV/m) Limits (dBμV/m) Over (dBμV/m) BLE 1Mbps – Low band-edge (dBμV) (dB/m) (dBμV/m) (dBμV/m) (dBμV/m) (dBμV/m) 48.36 -6.60 41.76 74.00 -32.24 38.58 -6.60 31.98 54.00 -22.02 49.01 -6.23 42.78 74.00 -31.22 39.36 -6.23 33.13 54.00 -20.87 49.46 -6.60 42.86 74.00 -31.14 38.33 -6.60 31.73 54.00 -22.27 50.34 -6.23 44.11 74.00 -29.89 40.54 -6.23 34.31 54.00 -19.69 BLE 1Mbps – High band-edge 48.98 -5.79 33.27 54.00 -20.73 49.96 -5.72 44.24 74.00 -29.76 38.96 -5.72 33.24 54.00 -20.76 51.79 -5.79	Level (dBμV) Factor (dBμV/m) Measurement (dBμV/m) Limits Over (dBμV/m) Detector Detector BLE 1Mbps – Low band-edge (dBμV) (dB/m) (dBμV/m) (dBμV/m) (dBμV/m) (dB) Peak/AVG 48.36 -6.60 41.76 74.00 -32.24 Peak 38.58 -6.60 31.98 54.00 -22.02 AVG 49.01 -6.23 42.78 74.00 -31.22 Peak 39.36 -6.23 33.13 54.00 -20.87 AVG 49.46 -6.60 42.86 74.00 -31.14 Peak 38.33 -6.60 31.73 54.00 -22.27 AVG 50.34 -6.23 44.11 74.00 -29.89 Peak 40.54 -6.23 34.31 54.00 -19.69 AVG BLE 1Mbps - High band-edge 48.98 -5.79 43.19 74.00 -30.81 Peak 39.06 -5.72 44.24



Photographs of the Test Setup

See the Appendix – Test Setup Photos.



Photographs of the EUT

See the appendix - EUT Photos.

----End of Report----