

TEST REPORT

Report No.:	BCTC2307123633-3E						
Applicant:	SHENZHEN NST INDUSTRY AND TRADE CO., LTD						
Product Name:	10.1 inch tablet PC						
Model/Type reference:	T10Pro						
Tested Date:	2023-07-31 to 2023-08-07						
Issued Date:	2023-08-07						
She	enzhen BCTC Testing Co., Ltd.						
No.: BCTC/RF-EMC-005	Page: 1 of 79 Edition: B.0						



FCC ID: 2AAMS-T10PRO

Product Name:	10.1 inch tablet PC
Trademark:	N/A
Model/Type reference:	T10Pro M1045T
Prepared For:	SHENZHEN NST INDUSTRY AND TRADE CO., LTD
Address:	3-4/F, Bldg 1, Hongbang Intelligent Technology Park,No.30 Cuibao Road, Baolong Street, Longgang District, Shenzhen China
Manufacturer:	SHENZHEN NST INDUSTRY AND TRADE CO., LTD
Address:	3-4/F, Bldg 1, Hongbang Intelligent Technology Park,No.30 Cuibao Road, Baolong Street, Longgang District, Shenzhen China
Prepared By:	Shenzhen BCTC Testing Co., Ltd.
Address:	1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Sample Received Date:	2023-07-31
Sample tested Date:	2023-07-31 to 2023-08-07
Issue Date:	2023-08-07
Report No.:	BCTC2307123633-3E
Test Standards:	FCC Part15.247 ANSI C63.10-2013
Test Results:	PASS
Remark:	This is WIFI-2.4GHz band radio test report.

Tested by:

P

Brave Zeng/ Project Handler

Approved by:

Zero Zhou/Reviewer

The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Testing Co., Ltd, this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client.

Page: 2 of 79



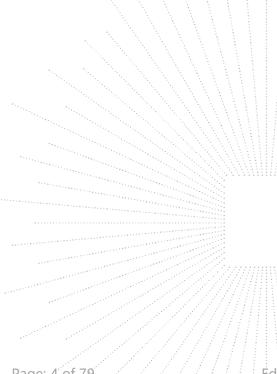
Table Of Content

Test	t Report Declaration	Page
1.	Version	5
2.	Test Summary	
3.	Measurement Uncertainty	7
4.	Product Information And Test Setup	
4.1	Product Information	8
4.2	Test Setup Configuration	9
4.3	Support Equipment	
4.4	Channel List	10
4.5	Test Mode	
4.6	Table Of Parameters Of Text Software Setting	11
5.	Test Facility And Test Instrument Used	12
5.1	Test Facility	
5.2	Test Instrument Used	
6.	Conducted Emissions	
6.1	Block Diagram Of Test Setup	
6.2	Limit	
6.3	Test procedure	14
6.4	EUT operating Conditions	14
6.5	Test Result	
7.	Radiated Emissions	
7.1	Block Diagram Of Test Setup	
7.2	Limit	
7.3	Test procedure	
7.4	EUT Operating Conditions	20
7.5	Test Result	
8.	Radiated Band Emission Measurement And Restricted Bands Of Operation	
8.1	Block Diagram Of Test Setup	25
8.2	Limit	
8.3	Test procedure	
8.4	EUT Operating Conditions	
8.5	Test Result	27
9.	Power Spectral Density Test Block Diagram Of Test Setup	29
9.1	Block Diagram Of Test Setup	29
9.2	Limit	29
9.3	Test procedure	
9.4	EUT Operating Conditions	29
9.5	Test Result	30
10.	Bandwidth Test	37
10.1	Test Result Bandwidth Test Block Diagram Of Test Setup	37
10.2		37
10.3	3 Test procedure	37
10.4	EUT Operating Conditions	37
10.5	5 Test Result	38
11.	Peak Output Power Test	45
11.1	Block Diagram Of Test Setup	45
11.2	2 Limit	45



11.3 Test Procedure	
11.4 EUT Operating Conditions	45
11.5 Test Result	46
12. 100 kHz Bandwidth Of Frequency Band Edge	47
12.1 Block Diagram Of Test Setup	
12.2 Limit	47
12.3 Test Procedure	
12.4 EUT Operating Conditions	47
12.5 Test Result	
13. Duty Cycle Of Test Signal	68
13.1 Standard Requirement	68
13.2 Formula	68
13.3 Test Procedure	68
13.4 Test Result	68
14. Antenna Requirement	75
14.1 Limit	75
14.1 Test Result	75
15. EUT Photographs	76
16. EUT Test Setup Photographs	77

(Note: N/A Means Not Applicable)



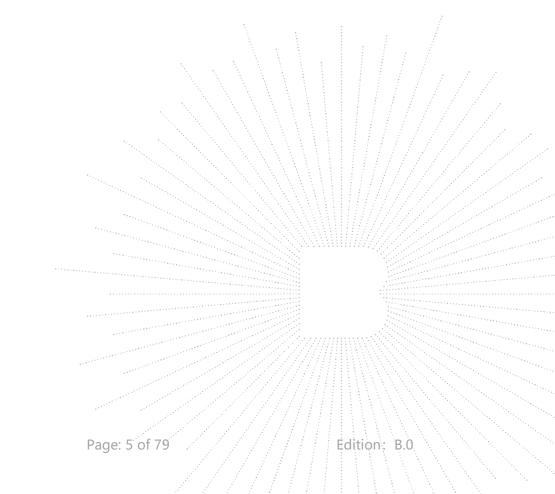
No.: BCTC/RF-EMC-005

Page: 4 of 79



1. Version

Report No.	Issue Date	Description	Approved	
BCTC2307123633-3E	2023-08-07	Original	Valid	



No.: BCTC/RF-EMC-005





2. Test Summary

The Product has been tested according to the following specifications:

No.	Test Parameter	Clause No.	Results
1	Conducted Emission	15.207	PASS
2	6dB Bandwidth	15.247 (a)(2)	PASS
3	Peak Output Power	15.247 (b)	PASS
4	Radiated Spurious Emission	15.247 (d)	PASS
5	Power Spectral Density	15.247 (e)	PASS
6	Restricted Band of Operation	15.205	PASS
7	Band Edge (Out of Band Emissions)	15.247 (d)	PASS
8	Antenna Requirement	15.203	PASS

No.: BCTC/RF-EMC-005

Page: 6 of 79



3. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

No.	Item	Uncertainty
1	3m chamber Radiated spurious emission(30MHz-1GHz)	U=4.3dB
2	3m chamber Radiated spurious emission(9KHz-30MHz)	U=3.7dB
3	3m chamber Radiated spurious emission(1GHz-18GHz)	U=4.5dB
4	3m chamber Radiated spurious emission(18GHz-40GHz)	U=3.34dB
5	Conducted Emission (150kHz-30MHz)	U=3.20dB
6	Conducted Adjacent channel power	U=1.38dB
7	Conducted output power uncertainty Above 1G	U=1.576dB
8	Conducted output power uncertainty below 1G	U=1.28dB
9	humidity uncertainty	U=5.3%
10	Temperature uncertainty	U=0.59°C



4. Product Information And Test Setup

4.1 Product Information

Model/Type reference:	T10Pro M1045T
Model differences:	All the model are the same circuit and RF module, except model names.
Hardware Version:	P863 WT_P863_W_8183_BJJ_MB_WIFI_V2.2_20230509
Software Version:	N/A
Operation Frequency:	802.11b/g/n20MHz:2412~2462 MHz 802.11n40MHz:2422~2452 MHz
Bit Rate of Transmitter:	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6Mbps 802.11n Up to 150Mbps
Type of Modulation:	WIFI: OFDM/DSSS
Number Of Channel:	802.11b/g/n20MHz:11 CH 802.11n40MHz: 7 CH
Antenna installation:	Internal antenna
Antenna Gain:	1.09 dBi
Ratings:	DC 5V from adapter
Adapter:	MOEDL: MK050200-T10USU INPUT: 100-240V ~50-60Hz 0.6A OUTPUT: 5.0V === 2.0A 10W

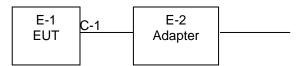
Page: 8 of 79



4.2 Test Setup Configuration

See test photographs attached in *EUT TEST SETUP PHOTOGRAPHS* for the actual connections between Product and support equipment.

Conducted Emission:



Radiated Spurious Emission



4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	10.1 inch tablet PC	N/A	T10Pro	M1045T	EUT
E-2	Adapter	N/A	MK050200-T10USU	N/A	Auxiliary

ltem	Shielded Type	Ferrite Core	Length		Note		1	2
C-1	N/A	N/A	0.3M		 DC cable unshielded			

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.

2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

Page: 9 of 79



4.4 Channel List

Channel List for 802.11b/g/n(20)								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)			
01	2412	02	2417	03	2422			
04	2427	05	2432	06	2437			
07	2442	08	2447	09	2452			
10	2457	11	2462					

Channel List for 802.11n(40)								
Channel Frequency (MHz) Channel Frequency (MHz) Frequency (MHz) (MHz) Channel (MHz)								
03	2422	04	2427	05	2432			
06	2437	07	2442	08	2447			
09	2452							

4.5 Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

For All Mode	Description	Modulation Type
Mode 1	CH 01	
Mode 2	CH 06	802.11b
Mode 3	CH 11	
Mode 4	CH 01	
Mode 5	CH 06	802.11g
Mode 6	CH 11	
Mode 7	CH 01	$X \times X \times M = H + H + H + H$
Mode 8	CH 06	802.11n20
Mode 9	CH 11	N N N N N N N N N N
Mode 10	CH 03	. N N N N N H H H H / / / /
Mode 11	CH 06	802.11n40
Mode 12	CH 09	NNNNN 1177777
Mode 13	Link mode (Conducted Emi	ssion & Radiated emission)

Notes:

1. The measurements are performed at the highest, middle, lowest available channels.

2. The measurements are performed at all Bit Rate of Transmitter, the worst data was reported

3. According to ANSI C63.10 standards, the test results are both the "worst case" and "worst setup" 11Mbps for 802.11b,6Mbps for 802.11g,13Mbps for 802.11n(H20), 54Mbps for 802.11n(H40)



4.6 Table Of Parameters Of Text Software Setting

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters

Test software Version	BK7231N-test tool					
Frequency	2412 MHz	2437 MHz	2462 MHz			
Parameters	DEF	DEF	DEF			
Frequency	2422MHz	2437MHz	2452MHz			
Parameters	DEF	DEF	DEF			



Page: 11 of 79



5. Test Facility And Test Instrument Used

5.1 Test Facility

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Testing Co., Ltd. Address:1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards. FCC Test Firm Registration Number: 712850 FCC Designation Number: CN1212

ISED Registered No.: 23583

ISED CAB identifier: CN0017

5.2 Test Instrument Used

Conducted Emissions Test									
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.				
Receiver	R&S	ESR3	102075	May 15, 2023	May 14, 2024				
LISN	R&S	ENV216	101375	May 15, 2023	May 14, 2024				
Software	Frad	EZ-EMC	EMC-CON 3A1	/	/				
Attenuator	/	10dB DC-6GHz	1650	May 15, 2023	May 14, 2024				

RF Conducted Test								
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.			
Power Metter	Keysight	E4419		May 15, 2023	May 14, 2024			
Power Sensor (AV)	Keysight	E9300A		May 15, 2023	May 14, 2024			
Signal Analyzer20kH z-26.5GHz	Keysight	N9020A	MY49100060	May 15, 2023	May 14, 2024			
Spectrum Analyzer9kHz- 40GHz	R&S	FSP40	100363	May 15, 2023	May 14, 2024			
Radio frequency control box	MAIWEI	MW100-RFC B		\ \				
Software	MAIWEI	MTS 8310						



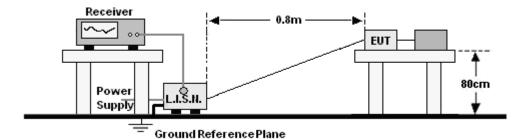
Radiated Emissions Test (966 Chamber02)								
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.			
966 chamber	SKET	966 Room	966	Nov. 02. 2021	Nov. 01.2024			
Receiver	R&S	ESR3	102075	May 15, 2023	May 14, 2024			
Receiver	R&S	ESRI7	100010	Nov. 08. 2022	Nov. 07.2023			
Amplifier	SKET	LNPA-30M01 G-30	SK202108200 4	Nov. 08. 2022	Nov. 07.2023			
TRILOG Broadband Antenna	Schwarzbeck	VULB9168	1323	Mar. 06, 2022	Mar. 05, 2024			
Loop Antenna(9KHz -30MHz)	Schwarzbeck	FMZB1519B	00014	May 31, 2023	May 30, 2024			
Amplifier	SKET	LAPA_01G18 G-45dB	١	May 15, 2023	May 14, 2024			
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 31, 2023	May 30, 2024			
Amplifier(18G Hz-40GHz)	MITEQ	TTA1840-35- HG	2034381	May 15, 2023	May 14, 2024			
Horn Antenn(18GH z-40GHz)	Schwarzbeck	BBHA9170	00822	May 31, 2023	May 30, 2024			
Spectrum Analyzer9kHz- 40GHz	R&S	FSP40	100363	May 15, 2023	May 14, 2024			
Software	Frad	EZ-EMC	FA-03A2 RE	\				

Page: 13 of 79



6. Conducted Emissions

6.1 Block Diagram Of Test Setup



6.2 Limit

Fraguanay (MHz)	Limit (d	dBuV)
Frequency (MHz)	Quas-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

2. The lower limit shall apply at the transition frequencies.

6.3 Test procedure

Setting				
10 dB				
0.15 MHz				
30 MHz				
9 kHz				

a. The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).

b. The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak and AVG detector in Max Hold mode. Run the receiver's pre-scan to record the maximum disturbance generated from Product in all power lines in the full band.

c. For each frequency whose maximum record was higher or close to limit, measure its QP and AVG values and record.

6.4 EUT operating Conditions

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.



6.5 Test Result

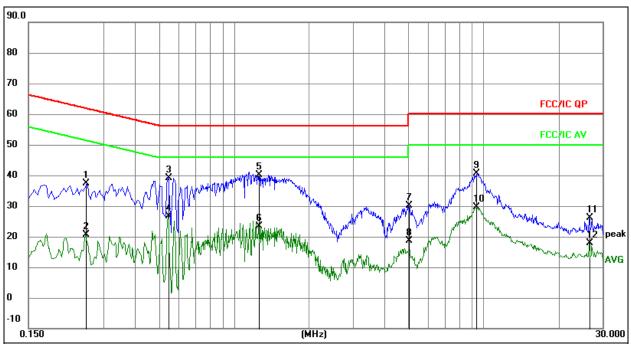
Temp	perature:		26 ℃			Relative H	umidity	: 54%	6	
Press	sure:		101KPa			Phase :		L		
Test	Mode:		Mode	13		Test Voltag	e:	AC	AC 120V/60Hz	
90.0										
Γ										
80 -										
70										
-									FC	C/IC QP
60							╞╼┍╸			
50 -		+			5					
40	<u> </u>		MŇ	A	MM HANNA			Z m	My .	<u>1</u>
	\sim	MM	/ Mill	MMM4"		W	MM	/YYII	10 h/w/w/w/**	M _u
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										[™] AVG
0 – -10										
0.1	50				(M	Hz)				30.000
Rem		0								
	readings a				erage values. 3.					
3. Me	easuremer	it = Read	ding Le	evel + Co	rrect Factor					
4. OV	/er = Meas	urement		nt Readin	g Corre	ct Mea	sure-			
N	o. Mk.	Free		Level		or n	nent	Limit	Over	
-		MHz	2		dB	dBu	uV	dBuV	dB	Detector
	1	0.23	803	33.76	9.61	1 43.3	37	62.44	-19.07	QP
	2	0.23	303	16.05	9.61	1 25.0	66	52.44	-26.78	AVG
	3	0.57	'92	33.56	9.62	2 43.	18	56.00	-12.82	QP
	4	0.57	' 92	15.96	9.62	2 25.	58	46.00	-20.42	AVG
	5 *	1.55	599	34.05	9.73	3 43.	78	56.00	-12.22	QP
	6	1.55	599	17.86	9.73	3 27.	59	46.00	-18.41	AVG
	7	6.21	89	28.92	9.77	7 38.	69	60.00	-21.31	QP
	8	6.21	89	13.12	9.77	7 22.8	89	50.00	-27.11	AVG
	9	9.86		37.54				60.00	-12.80	QP
	0	9.86		20.15				50.00	-20.19	AVG
	1	18.82		28.82				60.00	-21.43	QP
	2	18.82		9.35	9.75			50.00	-30.90	AVG
	-	10.02		0.00	0.10			00.00	00.00	

No.: BCTC/RF-EMC-005

Page: 15 of 79



Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC120V/60Hz
Test Mode:	Mode 13	Polarization :	Ν



Remark:

All readings are Quasi-Peak and Average values.
 Factor = Insertion Loss + Cable Loss.
 Measurement = Reading Level + Correct Factor

4. Over =	Measurement	-	Limit

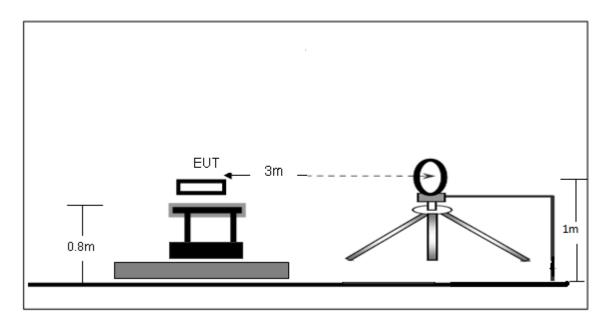
4. Over	= measu	rement - Lin	III					1
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.2535	27.87	9.61	37.48	61.64	-24.16	QP
2		0.2535	11.10	9.61	20.71	51.64	-30.93	AVG
3		0.5460	29.41	9.62	39.03	56.00	-16.97	QP
4		0.5460	17.11	9.62	26.73	46.00	-19.27	AVG
5	*	1.2570	30.49	9.73	40.22	56.00	-15.78	QP
6		1.2570	13.55	9.73	23.28	46.00	-22.72	AVG
7		5.0235	20.28	9.81	30.09	60.00	-29.91	QP
8		5.0235	8.79	9.81	18.60	50.00	-31.40	AVG
9		9.3885	30.88	9.68	40.56	60.00	-19.44	QP
10		9.3885	19.90	9.68	29.58	50.00	-20.42	AVG
11		26.6100	16.35	9.73	26.08	60.00	-33.92	QP
12		26.6100	8.24	9.73	17.97	50.00	-32.03	AVG



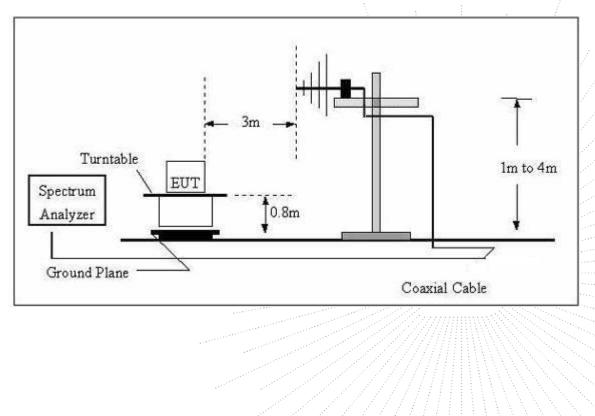
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

(A) Radiated Emission Test-Up Frequency Below 30MHz

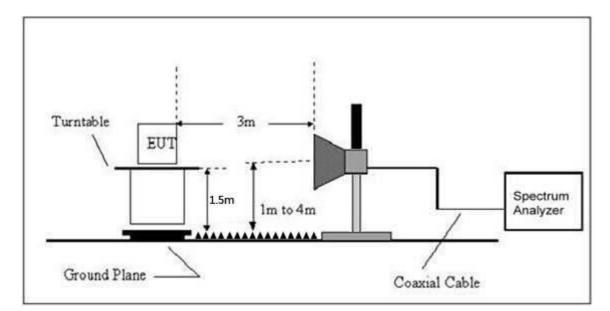


(B) Radiated Emission Test-Up Frequency 30MHz~1GHz





(C) Radiated Emission Test-Up Frequency Above 1GHz



7.2 Limit

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequency	Field Strength	Distance	Field Strength Limit at 3m Distance			
(MHz)	uV/m	(m)	uV/m	dBuV/m		
0.009 ~ 0.490	2400/F(kHz)	300	10000 * 2400/F(kHz)	20log ^{(2400/F(kHz))} + 80		
0.490 ~ 1.705	24000/F(kHz)	30	100 * 24000/F(kHz)	20log ^{(24000/F(kHz))} + 40		
1.705 ~ 30	30	30	100 * 30	20log ⁽³⁰⁾ + 40		
30 ~ 88	100	3	100	20log ⁽¹⁰⁰⁾		
88 ~ 216	150	3.	150	20log ⁽¹⁵⁰⁾		
216 ~ 960	200	3	200	20log ⁽²⁰⁰⁾		
Above 960	500	3	500	20log ⁽⁵⁰⁰⁾		

Limits Of Radiated Emission Measurement (Above 1000MHz)

Frequency (MHz)	Limit (dBuV/m) (at 3M)			
	Peak	Average		
Above 1000	74	54		

Notes:

(1)The limit for radiated test was performed according to FCC PART 15C.

(2)The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

Page: 18 of 79



Frequency Range Of Radiated Measurement

(a) For an intentional radiator the spectrum shall be investigated from the lowest radio frequency signal generated in the device, without going below 9 kHz, up to at least the frequency shown in this paragraph:

(1) If the intentional radiator operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

(2) If the intentional radiator operates at or above 10 GHz and below 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.

(3) If the intentional radiator operates at or above 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 200 GHz, whichever is lower, unless specified otherwise elsewhere in the rules.

(4) If the intentional radiator operates at or above 95 GHz: To the third harmonic of the highest fundamental frequency or to 750 GHz, whichever is lower, unless specified otherwise elsewhere in the rules.

(5) If the intentional radiator contains a digital device, regardless of whether this digital device controls the functions of the intentional radiator or the digital device is used for additional control or function purposes other than to enable the operation of the intentional radiator, the frequency range shall be investigated up to the range specified in paragraphs (a) (1)through (4) of this section or the range applicable to the digital device, as shown in paragraph (b)(1) of this section, whichever is the higher frequency range of investigation.

7.3 Test procedure

Receiver Parameter	Setting
Attenuation	Auto
9kHz~150kHz	RBW 200Hz for QP
150kHz~30MHz	RBW 9kHz for QP
30MHz~1000MHz	RBW 120kHz for QP

Spectrum Parameter	Setting	
1-25GHz	RBW 1 MHz /VBW 1 MHz for Peak, RBW 1 MHz / VBW 10Hz for Average	

Below 1GHz test procedure as below:

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. 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 antenna height 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.



Above 1GHz test procedure as below:

a. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. 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 antenna height 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 rota table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

g. Test the EUT in the lowest channel, the middlest channel, the Highest channel. Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

7.4 EUT Operating Conditions

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

No.: BCTC/RF-EMC-005

Page: 20 of 79



7.5 Test Result

Below 30MHz

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 13	Polarization:	

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
				PASS
				PASS

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the

permissible value has no need to be reported.

Distance extrapolation factor =40 log (specific distance/test distance)(dB);

Limit line = specific limits(dBuv) + distance extrapolation factor.

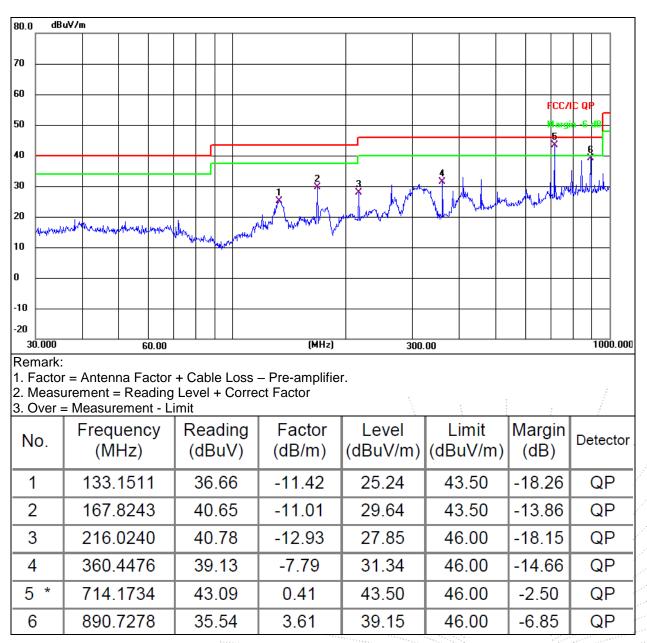
No.: BCTC/RF-EMC-005

Page: 21 of 79



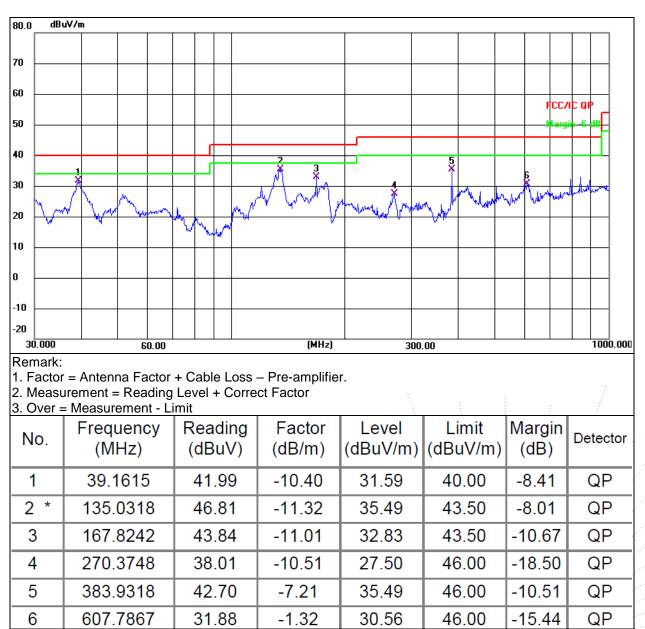
Between 30MHz - 1GHz

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 13	Test Voltage:	AC 120V/60Hz





Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC120V/60Hz
Test Mode:	Mode 13	Polarization :	Vertical





Between 1GHz – 25GHz

			802.11g				
Polar (H/V)	Frequency	Reading Level	Correct Factor	Measure- ment	Limits	Over (dB)	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/ m)		
		Lo	w channel:24	412MHz			
V	4824.00	54.25	-19.95	34.30	74.00	-39.70	PK
V	4824.00	43.72	-19.95	23.77	54.00	-30.23	AV
V	7236.00	44.49	-14.14	30.35	74.00	-43.65	PK
V	7236.00	35.42	-14.14	21.28	54.00	-32.72	AV
Н	4824.00	51.05	-19.95	31.10	74.00	-42.90	PK
Н	4824.00	40.08	-19.95	20.13	54.00	-33.87	AV
Н	7236.00	42.08	-14.14	27.94	74.00	-46.06	PK
Н	7236.00	34.23	-14.14	20.09	54.00	-33.91	AV
		Mid	dle channel:	2437MHz	•		•
V	4874.00	51.50	-19.85	31.65	74.00	-42.35	PK
V	4874.00	45.46	-19.85	25.61	54.00	-28.39	AV
V	7311.00	41.34	-13.93	27.41	74.00	-46.59	PK
V	7311.00	33.10	-13.93	19.17	54.00	-34.83	AV
Н	4874.00	49.76	-19.85	29.91	74.00	-44.09	PK
Н	4874.00	39.87	-19.85	20.02	54.00	-33.98	AV
Н	7311.00	39.25	-13.93	25.32	74.00	-48.68	PK
Н	7311.00	31.20	-13.93	17.27	54.00	-36.73	AV
		Hi	gh channel:2 [,]	462MHz			
V	4924.00	53.13	-19.75	33.38	74.00	-40.62	PK
V	4924.00	43.53	-19.75	23.78	54.00	-30.22	AV
V	7386.00	46.90	-13.72	33.18	74.00	-40.82	PK
V	7386.00	36.51	-13.72	22.79	54.00	-31.21	AV
Н	4924.00	50.98	-19.75	31.23	74.00	-42.77	PK
Н	4924.00	41.14	-19.75	21.39	54.00	-32.61	AV
Н	7386.00	45.33	-13.72	31.61	74.00	-42.39	PK
Н	7386.00	36.98	-13.72	23.26	54.00	-30.74	AV

Remark:

1.Emission Level = Meter Reading + Factor,

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Over= Emission Level - Limit

2.If peak below the average limit, the average emission was no test.

3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

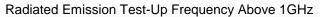
5.All the Modulation are test, the worst mode is 802.11g, the data recording in the report.

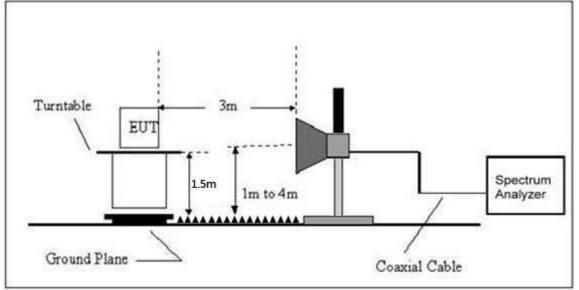
No.: BCTC/RF-EMC-005



8. Radiated Band Emission Measurement And Restricted Bands Of Operation

8.1 Block Diagram Of Test Setup





8.2 Limit

FCC Part15 C Section 15.209 and 15.205

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

No.: BCTC/RF-EMC-005



Limits Of Radiated Emission Measurement (Above 1000MHz)

Frequency (MHz)	Limit (dBuV/m) (at 3M)		
Frequency (MHz)	Peak	Average	
Above 1000	74	54	

Notes:

(1)The limit for radiated test was performed according to FCC PART 15C.

(2)The tighter limit applies at the band edges.

(3)Emission level (dBuV/m)=20log Emission level (uV/m).

8.3 Test procedure

Receiver Parameter	Setting
Attenuation	Auto
Start Frequency	2300MHz
Stop Frequency	2520
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average

Above 1GHz test procedure as below:

a. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. 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 antenna height 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 rota table was turned from 0 degrees to 360 degrees to find the maximum reading.

e.The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

g. Test the EUT in the lowest channel, the Highest channel. Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

8.4 EUT Operating Conditions

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.



8.5 Test Result

Test mode	Polar (H/V)	Frequency (MHz)	Reading Level	Level Factor		Limits (dBuV/m)		Result	
	(, ,	((dBuV/m)	(dB)	PK	РК	AV		
			Lo	w Channel 2	412MHz				
	Н	2390.00	52.47	-19.46	33.01	74.00	54.00	PASS	
	Н	2400.00	56.53	-19.42	37.11	74.00	54.00	PASS	
	V	2390.00	51.90	-19.46	32.44	74.00	54.00	PASS	
802.11b	V	2400.00	52.95	-19.42	33.53	74.00	54.00	PASS	
002.110	High Channel 2462MHz								
	Н	2483.50	50.75	-19.05	31.70	74.00	54.00	PASS	
	Н	2485.00	49.37	-18.98	30.39	74.00	54.00	PASS	
	V	2483.50	50.30	-19.05	31.25	74.00	54.00	PASS	
	V	2485.00	45.58	-18.95	26.63	74.00	54.00	PASS	
			Lo	w Channel 2 [,]	412MHz				
	Н	2390.00	52.89	-19.46	33.43	74.00	54.00	PASS	
	Н	2400.00	57.80	-19.42	38.38	74.00	54.00	PASS	
	V	2390.00	53.78	-19.46	34.32	74.00	54.00	PASS	
802.11g	V	2400.00	53.74	-19.42	34.32	74.00	54.00	PASS	
002.11g			Hig	h Channel 2	462MHz				
	Н	2483.50	51.14	-19.05	32.09	74.00	54.00	PASS	
	Н	2485.00	49.39	-18.98	30.41	74.00	54.00	PASS	
	V	2483.50	53.57	-19.05	34.52	74.00	54.00	PASS	
	V	2485.00	50.41	-18.95	31.46	74.00	54.00	PASS	

Remark:

1. Emission Level = Meter Reading + Factor,

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Over= Emission Level – Limit

2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.

3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

No.: BCTC/RF-EMC-005

Page: 27 of 79



Test mode	Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)		Result	
					РК	PK	AV		
	Low Channel 2412MHz								
802.11n20	Н	2390.00	53.40	-19.46	33.94	74.00	54.00	PASS	
	Н	2400.00	56.46	-19.42	37.04	74.00	54.00	PASS	
	V	2390.00	53.78	-19.46	34.32	74.00	54.00	PASS	
	V	2400.00	55.30	-19.42	35.88	74.00	54.00	PASS	
	High Channel 2462MHz								
	Н	2483.50	52.09	-19.05	33.04	74.00	54.00	PASS	
	Н	2500.00	49.50	-18.98	30.52	74.00	54.00	PASS	
	V	2483.50	52.71	-19.05	33.66	74.00	54.00	PASS	
	V	2500.00	48.52	-18.95	29.57	74.00	54.00	PASS	
	Low Channel 2422MHz								
802.11n40	Н	2390.00	52.74	-19.46	33.28	74.00	54.00	PASS	
	Н	2400.00	56.04	-19.42	36.62	74.00	54.00	PASS	
	V	2390.00	51.99	-19.46	32.53	74.00	54.00	PASS	
	V	2400.00	52.13	-19.42	32.71	74.00	54.00	PASS	
	High Channel 2452MHz								
	Н	2483.50	51.01	-19.05	31.96	74.00	54.00	PASS	
	Н	2500.00	48.81	-18.98	29.83	74.00	54.00	PASS	
	V	2483.50	50.24	-19.05	31.19	74.00	54.00	PASS	
	V	2500.00	45.49	-18.95	26.54	74.00	54.00	PASS	

Remark:

1. Emission Level = Meter Reading + Factor,

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Over= Emission Level - Limit

2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.

3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Page: 28 of 79



9. Power Spectral Density Test

9.1 Block Diagram Of Test Setup



9.2 Limit

FCC Part15 (15.247) , Subpart C							
Section	Test Item	Limit	Frequency Range (MHz)	Result			
15.247	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS			

Limits Of Radiated Emission Measurement (Above 1000MHz)

9.3 Test procedure

- 1. Set analyzer center frequency to DTS channel center frequency.
- 2. Set the span to 1.5 times the DTS bandwidth.
- 3. Set the RBW to: 3 kHz
- 4. Set the VBW \geq 3 x RBW.
- 5. Detector = peak.
- 6. Sweep time = auto couple.
- 7. Trace mode = max hold.
- 8. Allow trace to fully stabilize.
- 9. Use the peak marker function to determine the maximum amplitude level within the RBW.

10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

9.4 EUT Operating Conditions

The EUT tested system was configured as the statements of 4.6 Unless otherwise a special operating condition is specified in the follows during the testing. Note: Power Spectral Density(dBm)=Reading+Cable Loss

No.: BCTC/RF-EMC-005

Page: 29 of 79



9.5 Test Result

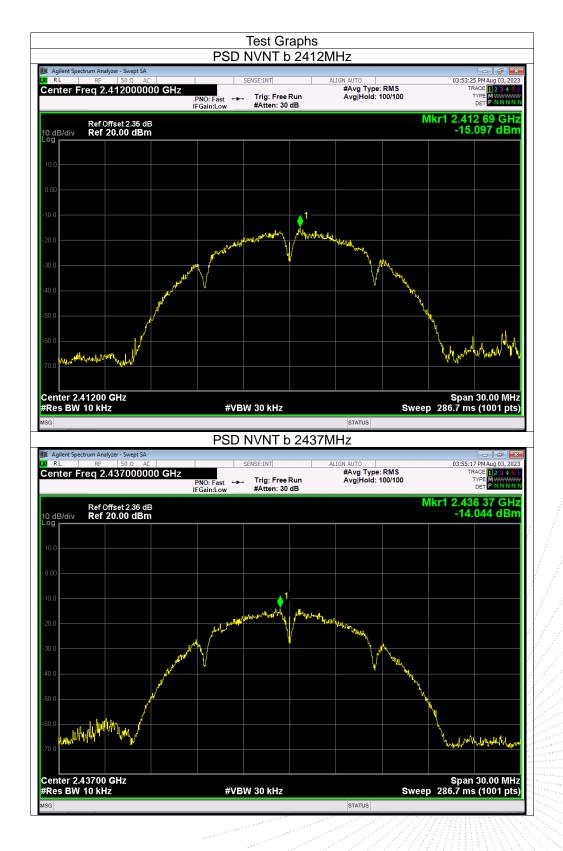
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz

Test Mode	Frequency	Power Spectral Density (dBm/10kHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
TX b Mode	2412 MHz	-15.10	-20.33	8	PASS
	2437 MHz	-14.04	-19.27	8	PASS
	2462 MHz	-15.24	-20.47	8	PASS
TX g Mode	2412 MHz	-15.39	-20.62	8	PASS
	2437 MHz	-14.71	-19.94	8	PASS
	2462 MHz	-14.34	-19.57	8	PASS
TX n Mode(20M)	2412 MHz	-15.24	-20.47	8	PASS
	2437 MHz	-15.26	-20.49	8	PASS
	2462 MHz	-14.33	-19.56	8	PASS
TX n Mode(40M)	2422 MHz	-18.29	-23.52	8	PASS
	2437 MHz	-16.37	-21.60	8	PASS
	2452 MHz	-19.29	-24.52	8	PASS

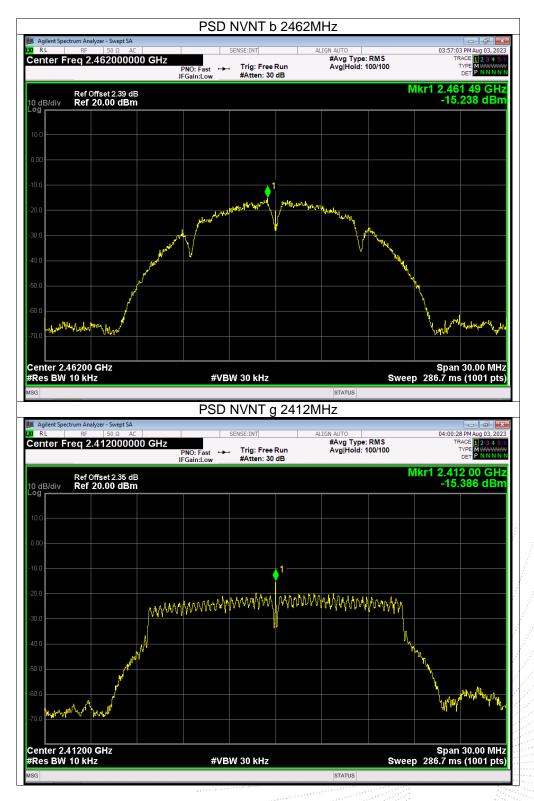
Note: Correction Factor = 10log(3KHz/RBW in measurement) =-5.23 Power Spectral Density (dBm/3kHz= Power Spectral Density (dBm/10kHz)-5.23







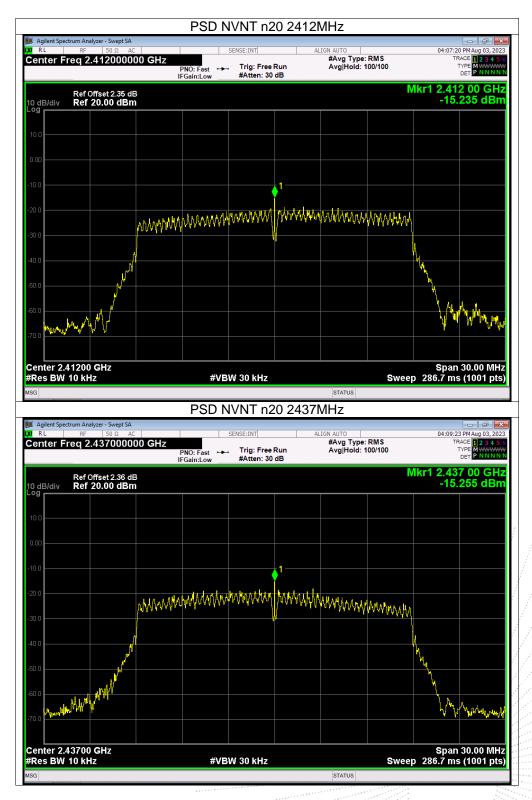








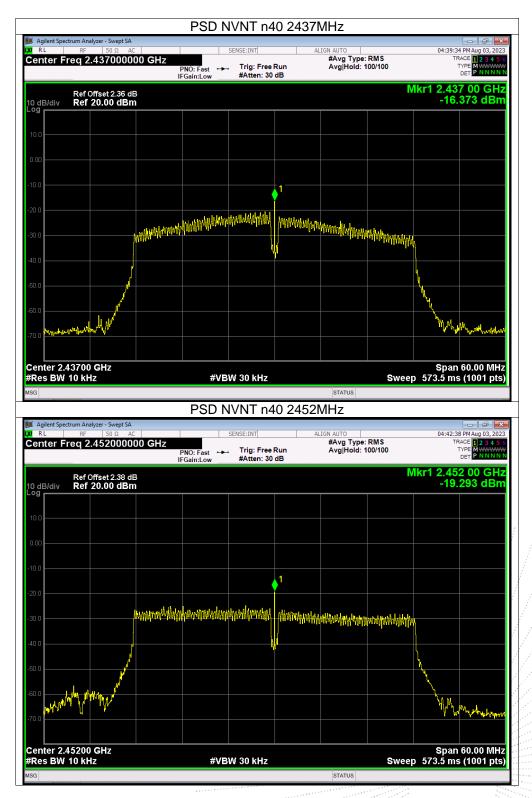














10. Bandwidth Test

10.1 Block Diagram Of Test Setup



10.2 Limit

FCC Part15 (15.247), Subpart C						
Section	Test Item	Limit	Frequency Range (MHz)	Result		
15.247(a)(2)	Bandwidth	>= 500KHz (-6dB bandwidth)	2400-2483.5	PASS		

10.3 Test procedure

- 1. Set RBW = 100 kHz.
- 2. Set the video bandwidth (VBW) \ge 3 x RBW.
- 3. Detector = Peak.
- 4. Trace mode = max hold.
- 5. Sweep = auto couple.
- 6. Allow the trace to stabilize.

7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

10.4 EUT Operating Conditions

The EUT tested system was configured as the statements of 4.6 Unless otherwise a special operating condition is specified in the follows during the testing.

Note: Power Spectral Density(dBm)=Reading+Cable Loss

No.: BCTC/RF-EMC-005

Page: 37 of 79 .



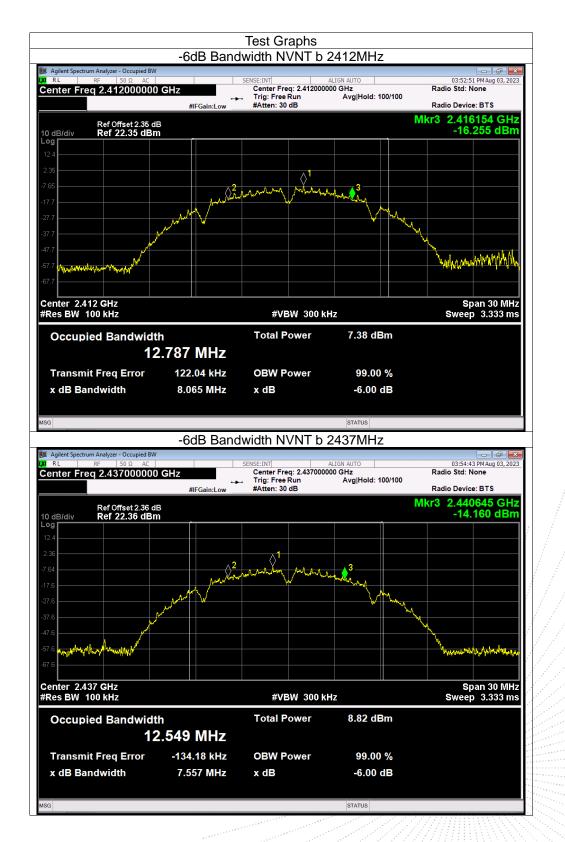
10.5 Test Result

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz

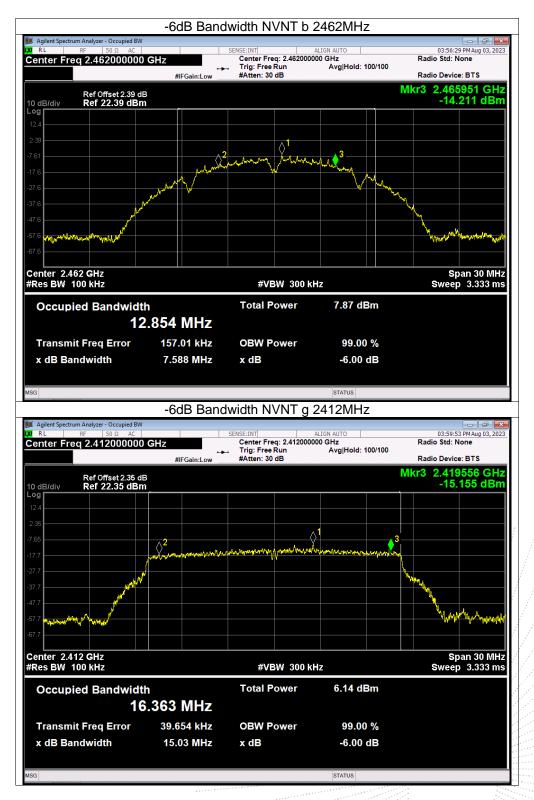
Test Mode	Frequency (MHz)	-6dB bandwidth (MHz)	Limit (kHz)	Result
	2412	8.065	500	Pass
TX b Mode	2437	7.557	500	Pass
	2462	7.588	500	Pass
	2412	15.032	500	Pass
TX g Mode	2437	11.721	500	Pass
	2462	15.686	500	Pass
	2412	17.614	500	Pass
TX n Mode(20M)	2437	16.703	500	Pass
	2462	17.661	500	Pass
	2422	27.706	500	Pass
TX n Mode(40M)	2437	28.032	500	Pass
	2452	36.356	500	Pass



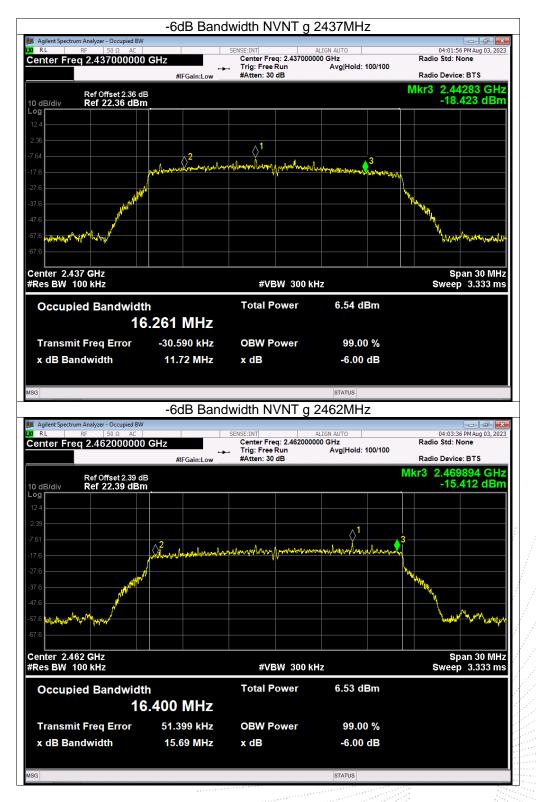




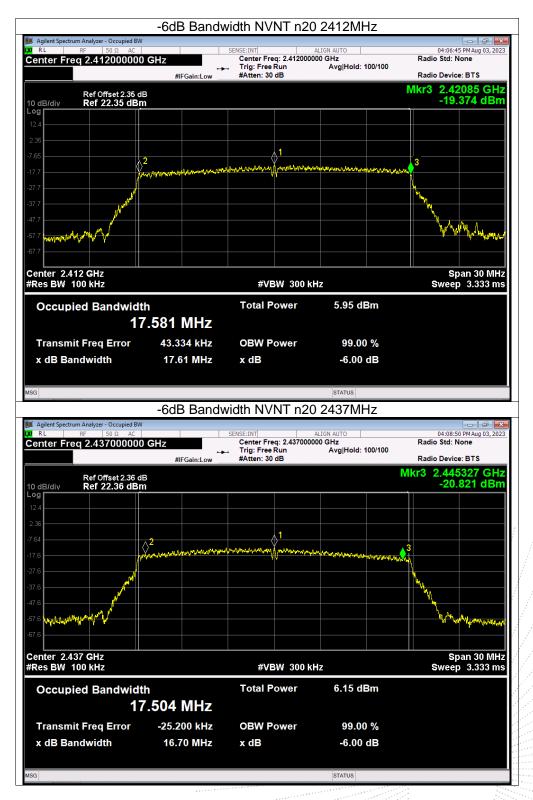




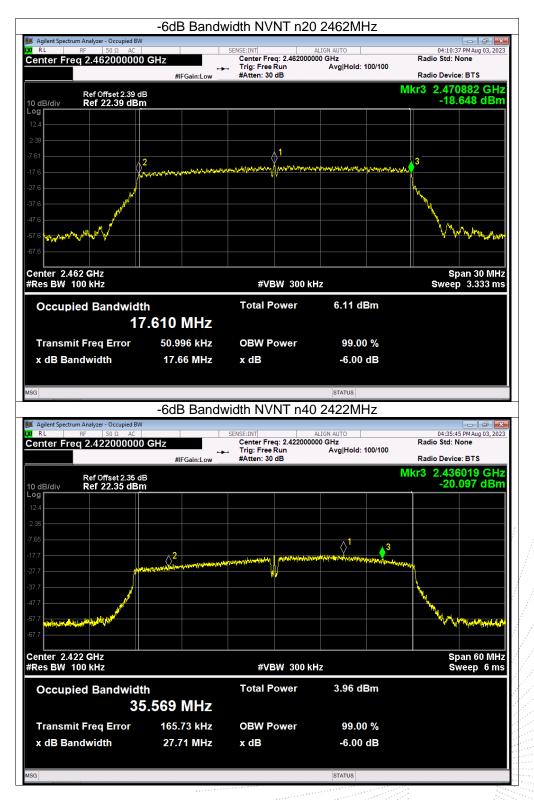




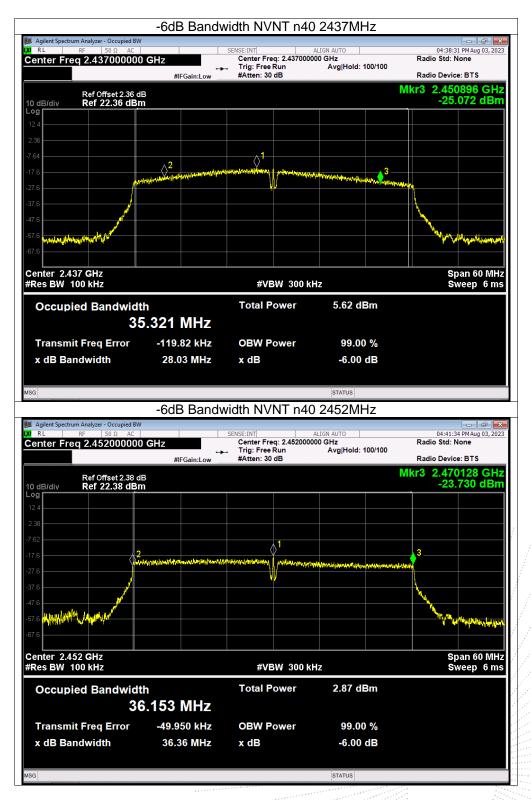














11. Peak Output Power Test

11.1 Block Diagram Of Test Setup



11.2 Limit

		FCC Part15 (15.247) ,	Subpart C	
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS

11.3 Test Procedure

a. The EUT was directly connected to the Power meter

11.4 EUT Operating Conditions

The EUT tested system was configured as the statements of 4.6 Unless otherwise a special operating condition is specified in the follows during the testing. Note: Power Spectral Density(dBm)=Reading+Cable Loss

No.: BCTC/RF-EMC-005

Page: 45 of 79



11.5 Test Result

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz

Test Mode	Frequency(MHz)	Maximum Conducted Output Power(PK) (dBm)	Limit (dBm)
	2412	1.36	30
802.11b	2437	2.54	30
	2462	1.50	30
	2412	0.24	30
802.11g	2437	0.62	30
	2462	0.50	30
	2412	0.42	30
802.11n20	2437	0.66	30
	2462	0.49	30
	2422	-1.67	30
802.11n40	2437	-0.02	30
	2452	-2.77	30

No.: BCTC/RF-EMC-005

Page: 46 of 79



12. 100 kHz Bandwidth Of Frequency Band Edge

12.1 Block Diagram Of Test Setup



12.2 Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

12.3 Test Procedure

Using the following spectrum analyzer setting:

- a) Set the RBW = 100KHz.
- b) Set the VBW = 300KHz.
- c) Sweep time = auto couple.
- d) Detector function = peak.
- e) Trace mode = max hold.
- f) Allow trace to fully stabilize..

12.4 EUT Operating Conditions

The EUT tested system was configured as the statements of 4.6 Unless otherwise a special operating condition is specified in the follows during the testing. Note: Power Spectral Density(dBm)=Reading+Cable Loss

No.: BCTC/RF-EMC-005

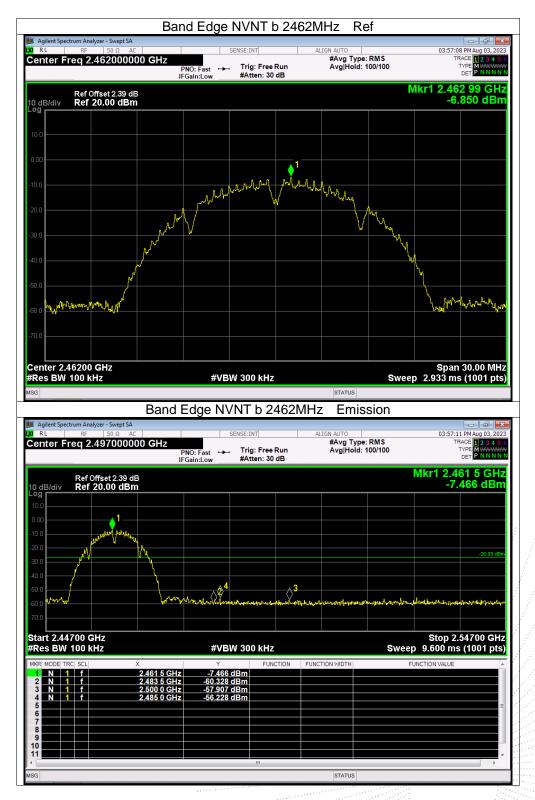
Page: 47 of 79



12.5 Test Result



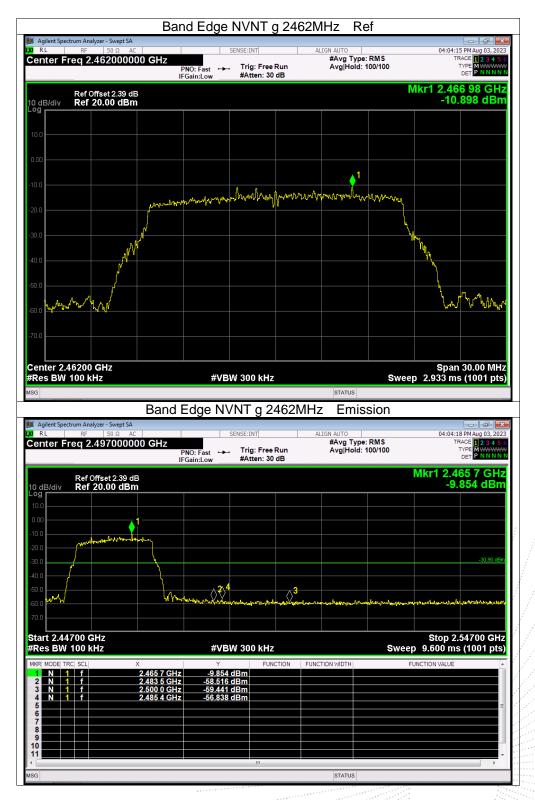




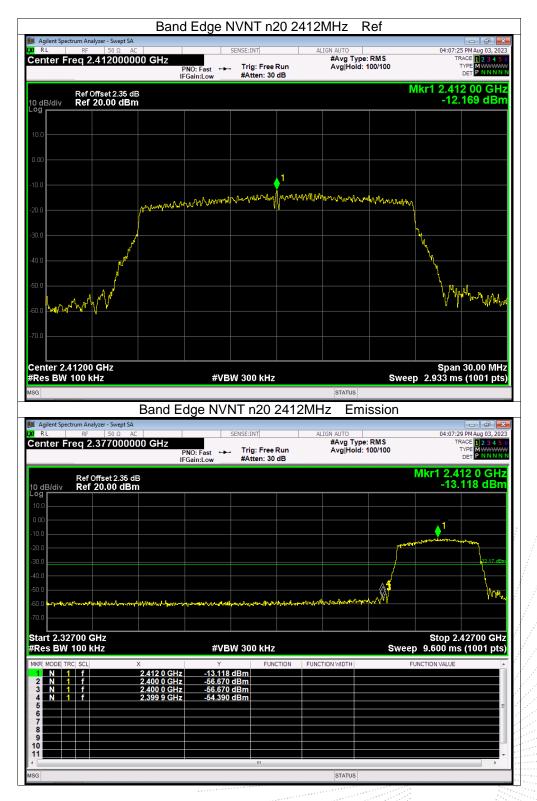












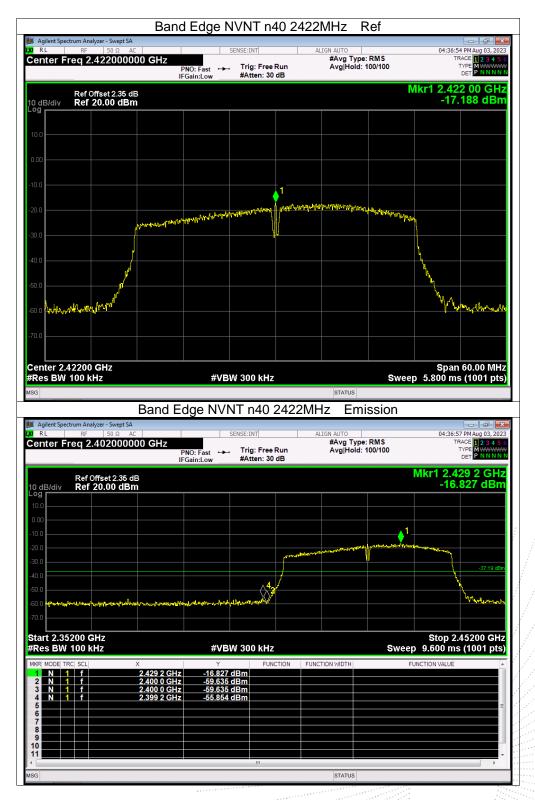




Edition: B.0

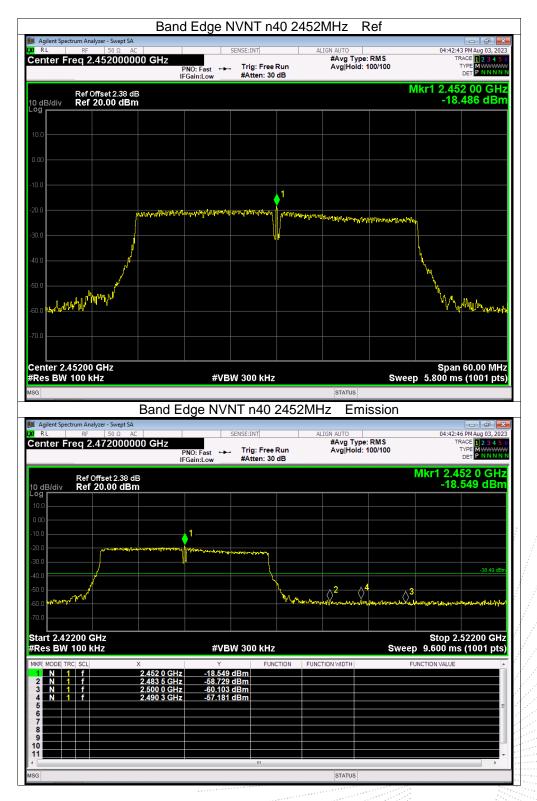
Page: 53 of 79





Page: 54 of 79

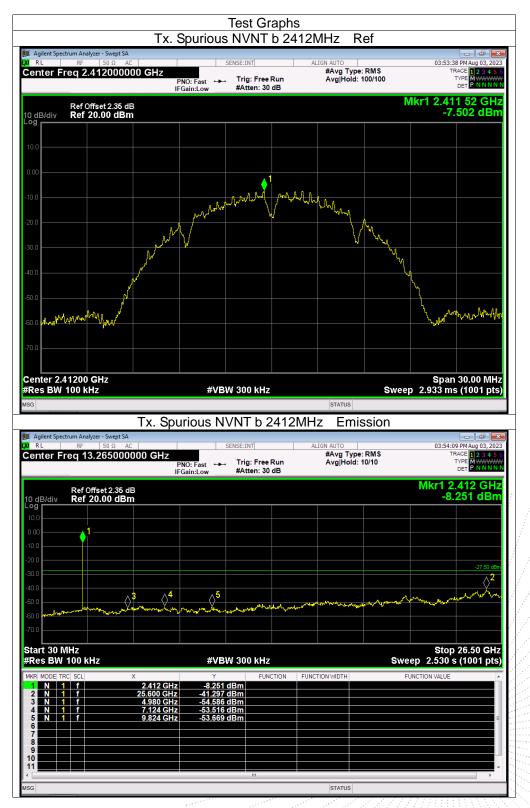




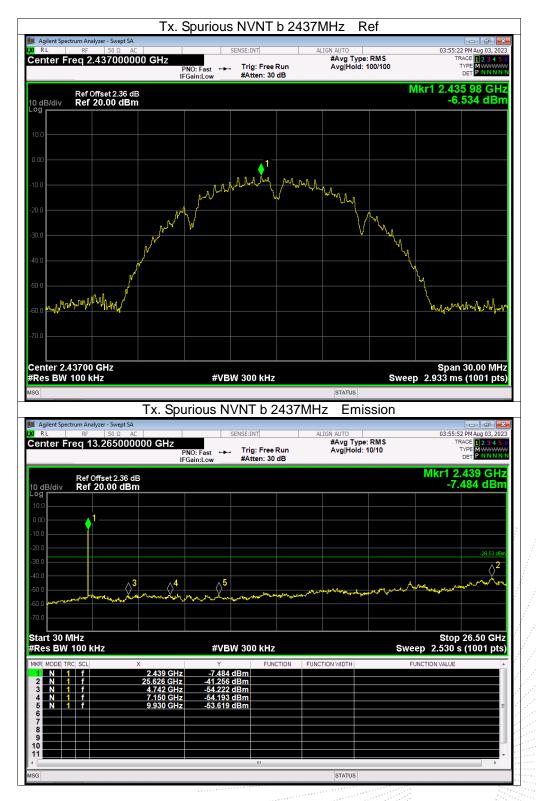
Page: 55 of 79



Conducted Emission Measurement

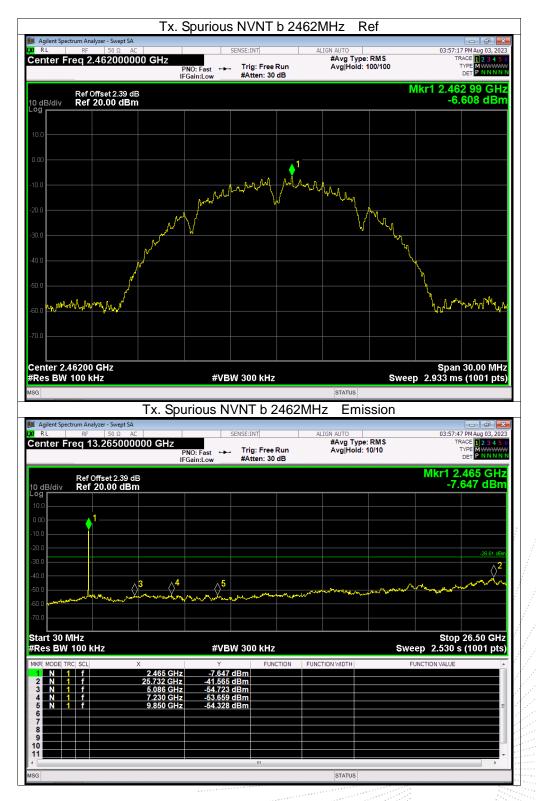




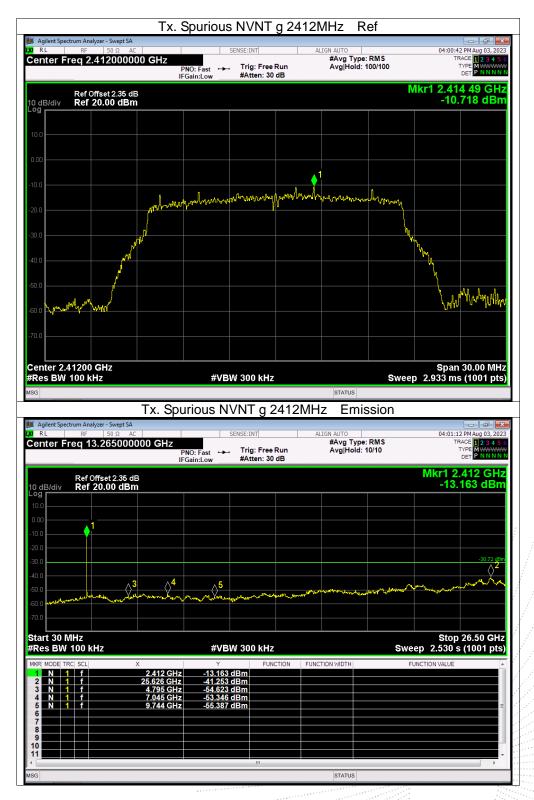


Page: 57 of 79

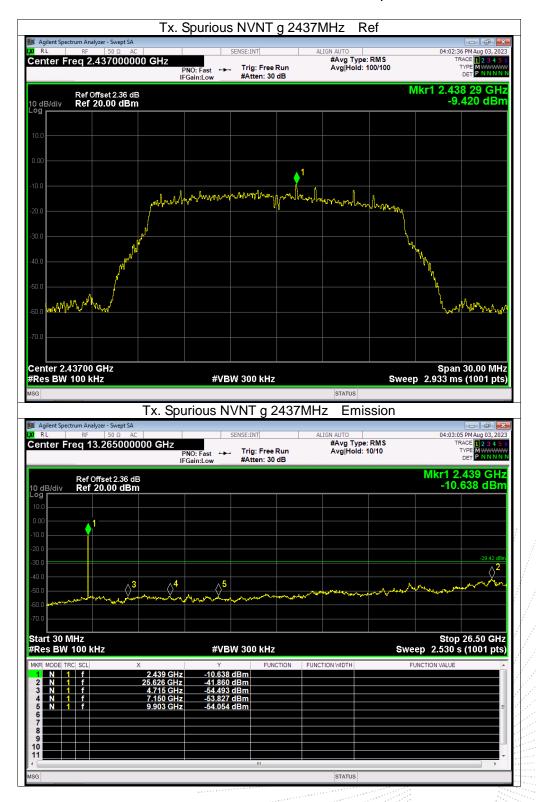




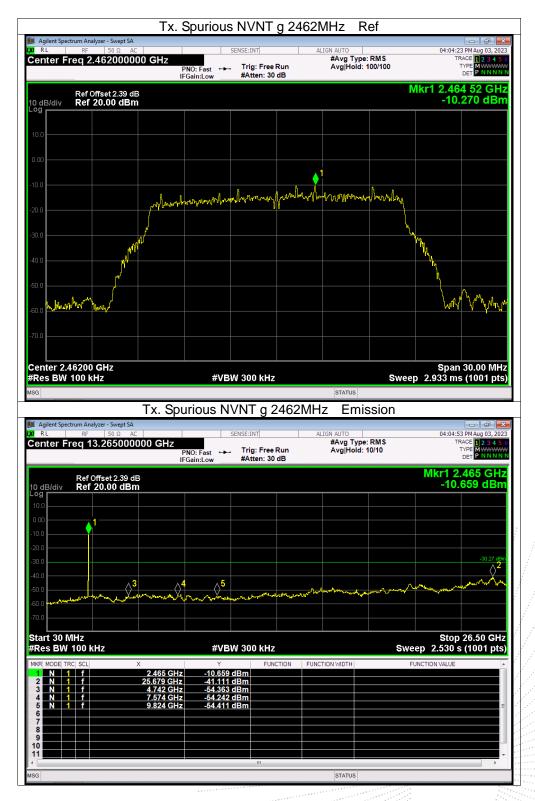




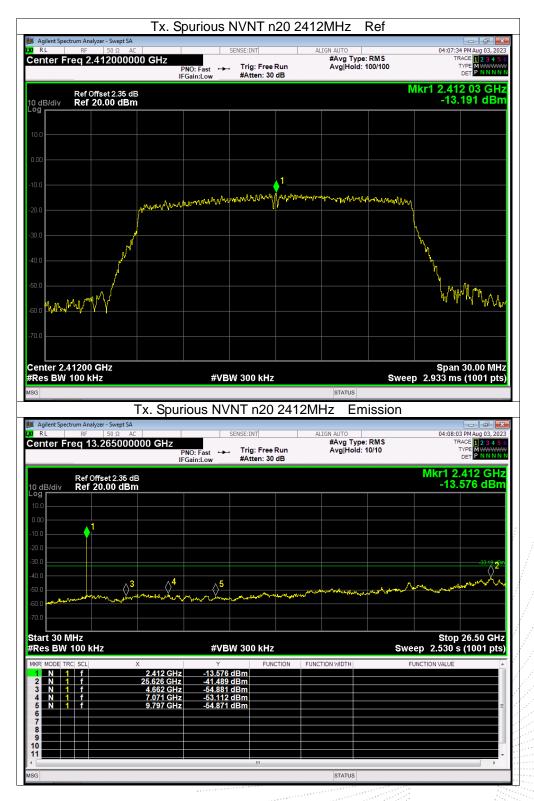








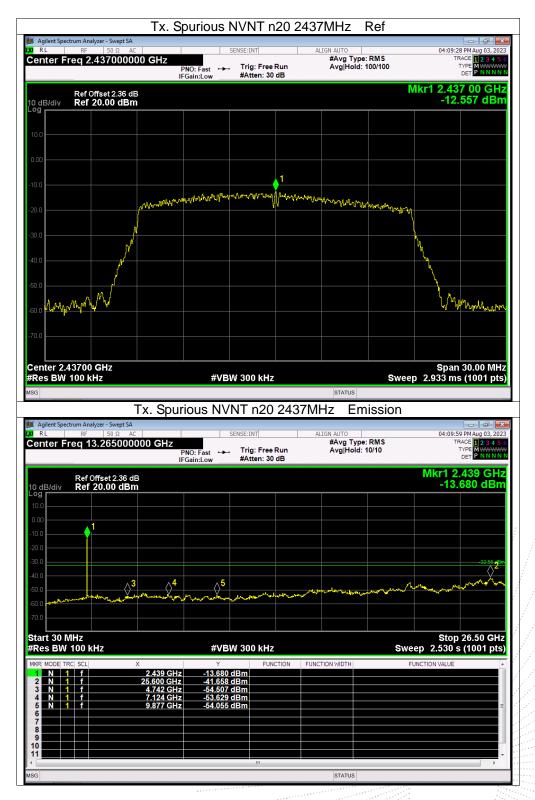




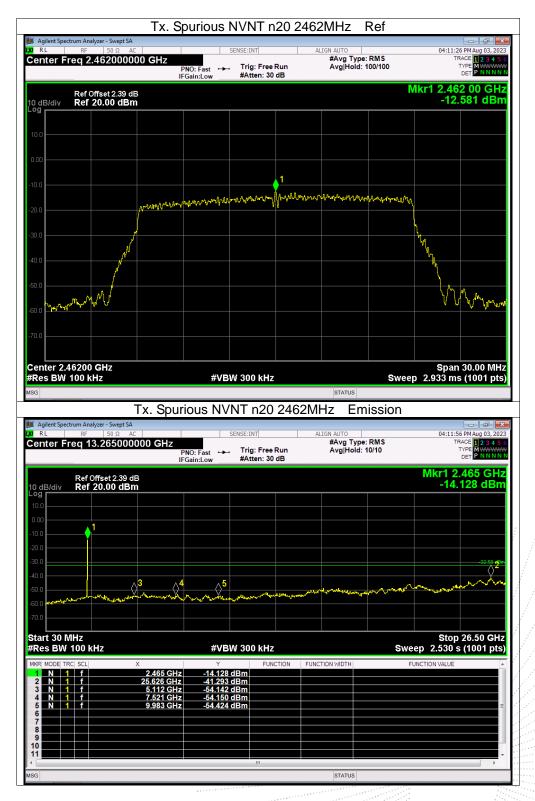
Edition: B.0

Page: 62 of 79





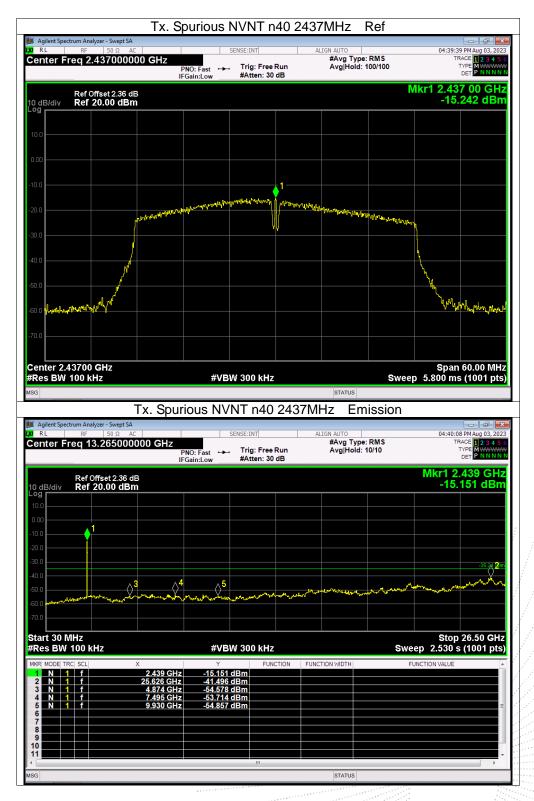


















13. Duty Cycle Of Test Signal

13.1 Standard Requirement

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle.

All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percentage.

13.2 Formula

Duty Cycle = Ton / (Ton+Toff)

13.3 Test Procedure

- 1.Set span = Zero
- 2. RBW = 10MHz
- 3. VBW = 10MHz,
- 4. Detector = Peak

13.4 Test Result

Duty Cycle	Duty Fator (dB)
100	0
100	0
100	0
100	0
100	0
100	0
100	0
100	0
100	0
100	0
100	0
100	0
	100 100 100 100 100 100 100 100 100 100

No.: BCTC/RF-EMC-005

Page: 68 of 79



Agilent Spectrum Analyzer - Sw		uty Cycle N	: Graphs IVNT b 2	412MHz			
RL RF 50	Ω AC	SENSE:IN	Г	ALIGN AUTO	DMG	04:46:02	2 PM Aug 03, 202
enter Freq 2.4120	PN		Free Run en: 30 dB	#Avg Typ	e: KMS		ACE 12345 TYPE WWWWW DET PNNNN
Ref Offset 2 dB/div Ref 20.00	.35 dB d B m					Mkr1 { -0	50.00 ms).28 dBn
9 3.0			1				
00							
).0							
).0).0							
).0							
).0).0							
enter 2.412000000	GHz						Span 0 H:
es BW 8 MHz		#VBW 8.0				100.0 ms ((10001 pts
IR MODE TRC SCL 1 N 1 t 2	× 50.00 ms	Y -0.28 dBm	FUNCTION F	UNCTION WIDTH	FI	JNCTION VALUE	
3 4							
5 6 7							
B							
0 1							
3				STATUS			•
		uty Cycle N					
Agilent Spectrum Analyzer - Sw R L RF 50 :	rept SA Ω AC		IVNT b 24	437MHz	e: RMS	04:46:40 TR	0 PM Aug 03, 202
Agilent Spectrum Analyzer - Sw	rept SA Ω AC 000000 GHz PN0		IVNT b 24	437MHz	e: RMS	04:46:41 TR 1	0 PM Aug 03, 202
Agilent Spectrum Analyzer - Sw RL RF 50 enter Freq 2.4370 Ref Offset 2	rept SA Ω AC 000000 GHz PNC FGa :36 dB		IVNT b 24	437MHz	e: RMS	۳۳ ۱ Mkr1	D PM Aug 03, 202 ACE 1 2 3 4 5 TYPE P NNNN 50.00 ms
Agilent Spectrum Analyzer - Sw RL RF 50 : enter Freq 2.4370	rept SA Ω AC 000000 GHz PNC FGa :36 dB		IVNT b 24	437MHz	e: RMS	۳۳ ۱ Mkr1	D PM Aug 03, 202 ACE 1 2 3 4 5 TYPE P NNNN 50.00 ms
Agilent Spectrum Analyzer - Sw RL RF 50. enter Freq 2.4370 Ref Offset 2 dB/div Ref 20.00	rept SA Ω AC 000000 GHz PNC FGa :36 dB		IVNT b 2 Free Run en: 30 dB	437MHz	e: RMS	۳۳ ۱ Mkr1	D PM Aug 03, 202 D PM Aug 03, 202 TYPE VYPE VYPE D T P NNNN 50.00 ms 1.98 d Bm
Agilent Spectrum Analyzer - Sw RL RF 50. enter Freq 2.4370 Ref Offset 2 dB/div Ref 20.00	rept SA Ω AC 000000 GHz PNC FGa :36 dB		IVNT b 2 Free Run en: 30 dB	437MHz	e: RMS	۳۳ ۱ Mkr1	D PM Aug 03, 202 ACE 1 2 3 4 5 TYPE P NNNN 50.00 ms
Agilent Spectrum Analyzer - Sw RL RF 500 enter Freq 2.4370 dB/div Ref Offset 2 dB/div Ref 20.00	rept SA Ω AC 000000 GHz PNC FGa :36 dB		IVNT b 2 Free Run en: 30 dB	437MHz	e: RMS	۳۳ ۱ Mkr1	D PM Aug 03, 202 ACE 1 2 3 4 5 TYPE P NNNN 50.00 ms
Agilent Spectrum Analyzer - Sw RL RF 500 enter Freq 2.4370 dB/div Ref Offset 2 dB/div Ref 20.00	rept SA Ω AC 000000 GHz PNC FGa :36 dB		IVNT b 2 Free Run en: 30 dB	437MHz	e: RMS	۳۳ ۱ Mkr1	D PM Aug 03, 202 ACE 1 2 3 4 5 TYPE P NNNN 50.00 ms
Agilent Spectrum Analyzer - Sw RL RF 500 enter Freq 2.4370 dB/div Ref Offset 2 dB/div Ref 20.00	rept SA Ω AC 000000 GHz PNC FGa :36 dB		IVNT b 2 Free Run en: 30 dB	437MHz	e: RMS	۳۳ ۱ Mkr1	D PM Aug 03, 202 ACE 1 2 3 4 5 TYPE P NNNN 50.00 ms
Agilent Spectrum Analyzer - Sw RL RF 50: enter Freq 2.4370 GB/div Ref 20.00 00 00 00 00 00 00 00 00 00	eet SA Ω AC PN0 100000 GHz PN0 FGa 3.36 dB dBm 1 1 1 1 1 1 1 1 1 1 1 1 1		IVNT b 2 Free Run en: 30 dB	437MHz	e: RMS	TR -0	9 PMAU9 03, 202 ACE 11, 23, 4, 5 TYPE WWWWW DET P NNNN 50.00 ms 0.98 dBm
Agilent Spectrum Analyzer - Sw RL RF 50: enter Freq 2.4370 dB/div Ref Offset 2 dB/div Ref 20.00 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	eet SA Ω AC PN0 100000 GHz PN0 FGa 3.36 dB dBm 1 1 1 1 1 1 1 1 1 1 1 1 1		IVNT b 2 Free Run an: 30 dB	437MHz		TR -0	D PMAU9 03, 202 AGE [] 2 3 4 5 TYPE WINN N DET P NNNN 50.00 ms .98 dBm
Agilent Spectrum Analyzer - Sw RL RF 50: enter Freq 2.4370 Ref Offset 2 dB/div Ref 20.00 9 0 0 0 0 0 0 0 0 0 0 0 0 0	eet SA Ω AC PN0 100000 GHz PN0 FGa 3.36 dB dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	Uty Cycle N SENSE:IN D: Fast ↔ Trig: ain:Low	IVNT b 2 Free Run an: 30 dB	437MHz	Sweep	TR -0	D PMAU9 03, 202 AGE [] 2 3 4 5 TYPE WINN N DET P NNNN 50.00 ms .98 dBm
Agilent Spectrum Analyzer - Sw RL RF 50: enter Freq 2.4370 GB/div Ref 20.00 GB/div Ref 20.00 GB/d	AC INTRO- CARACTERISTICS ACTION OF A	Uty Cycle N SENSE:IN O: Fast + Trig: ain:Low #Atte	IVNT b 2 Free Run an: 30 dB	437MHz Align Auto #Avg Typ	Sweep	TR Mkr1 (-0	D PMAU9 03, 202 AGE [] 2 3 4 5 TYPE WINN N DET P NNNN 50.00 ms .98 dBm
Agilent Spectrum Analyzer - Sw RL RF 50: enter Freq 2.4370 Ref Offset 2 dB/div Ref 20.00 9 0 0 0 0 0 0 0 0 0 0 0 0 0	AC INTRO- CARACTERISTICS ACTION OF A	Uty Cycle N SENSE:IN O: Fast + Trig: ain:Low #Atte	IVNT b 2 Free Run an: 30 dB	437MHz Align Auto #Avg Typ	Sweep	TR Mkr1 (-0	D PMAU9 03, 202 AGE [] 2 3 4 5 TYPE WINN N DET P NNNN 50.00 ms .98 dBm
Agilent Spectrum Analyzer - Sw RL RF 50: enter Freq 2.4370 GB/div Ref 20.00 GB/div Ref 20.00 GB/d	AC INTRO- CARACTERISTICS ACTION OF A	Uty Cycle N SENSE:IN O: Fast + Trig: ain:Low #Atte	IVNT b 2 Free Run an: 30 dB	437MHz Align Auto #Avg Typ	Sweep	TR Mkr1 (-0	2PM 4up (3, 2023 ACE 12 3 4 5 APPE WHAT N 50.00 ms .98 dBn
Agilent Spectrum Analyzer - Sw RL RF 50: enter Freq 2.4370 Body Ref 0ffset 2 dB/div Ref 20.00 00 00 00 00 00 00 00 00 00	AC INTRO- CARACTERISTICS ACTION OF A	Uty Cycle N SENSE:IN O: Fast + Trig: ain:Low #Atte	IVNT b 2 Free Run an: 30 dB	437MHz Align Auto #Avg Typ	Sweep	TR Mkr1 (-0	D PMAU9 03, 202 AGE [] 2 3 4 5 TYPE WINN N DET P NNNN 50.00 ms .98 dBm



Agilent Spectrum Analyzer - Swe							
RL RF 50 S enter Freq 2.4620		SENSE:I	T	ALIGN AUTO #Avg Typ	RMS	Т	L8 PM Aug 03, 20 RACE 1 2 3 4 5
51101 FT0Q 214020	PNO: Fas IFGain:Lo		j: Free Run ten: 30 dB				
		w write	ten: oo ub				50.00 m
Ref Offset 2. dB/div Ref 20.00						-	1.76 dBn
9 0.0							
.00			↓ ¹				
0.0							
0.0							
0.0							
enter 2.462000000	GHz						Span 0 H
es BW 8 MHz		#VBW 8.0				100.0 ms	(10001 pt
R MODE TRC SCL	× 50.00 ms	Y -1.76 dBm	FUNCTION	FUNCTION WIDTH	FL	JNCTION VALUE	
2							
4 5							
6 7							
8							
9							
1			III				Þ
3				STATUS			
	Duty	Cycle N	NVNT g	2412MHz			
Agilent Spectrum Analyzer - Swe		CENCE II				04-47-0	
enter Freq 2.4120	00000 GHz	SENSE:II		ALIGN AUTO #Avg Typ	RMS	Т	58 PM Aug 03, 20 RACE 1 2 3 4 5
	PNO: Fas IFGain:Lo		j: Free Run ten: 30 dB				
Ref Offset 2.	35 dB						50.00 m
dB/div Ref 20.00	dBm					-4	4.26 dBr
0.0							
.00	واللومين ومرجوع ومرجوع والمرجوع والمرجوع والمرجوع والمرجوع	Spagt and in the distance of the state of the		أستحارب المراجع المجارب أرقع الماري	a as a shah tala shahila panga	a di stantini a patrica	والمعادية والمتلح والمعادية
	and the set of particular of the second s	ahlinendet og settigte og so	and the second		in an an ann an tha an	and an a state of the second secon	in provide designed and the set
0.0							
0.0							
1.0							
0.0							
	GHZ	#VBW 8.0	MHz		Sween	100.0 ms	Span 0 H (10001 pt)
			FUNCTION	FUNCTION WIDTH		JNCTION VALUE	frees. br
es BW 8 MHz	X	Y					
R MODE TRC SCL	× 50.00 ms	Ƴ -4.26 dBm					
2		Y -4.26 dBm					
R MODE TRC SCL 1 N 1 t 2 3 - - 4 - - - 5 - - -		Y -4.26 dBm					
N 1 t 1 N 1 t 2 3 4 4 5 5 5 5 6 4 4 4		Y -4.26 dBm					
N 1 t 1 N 1 t 2 3 - - 3 - - - 4 - - - - 5 - - - - 6 - - - - 7 - - - - 9 - - - -		Y -4.26 dBm					
BW 8 MHz R MODE TRC SCI 1 1 1 1 2 3 - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - -		Y -4.26 dBm					

Page: 70 of 79



Agilent Spectrum Analyzer - Swept R L RF 50 Ω	AC	SENSE:	INT	ALIGN AUTO		04:48:3	4 PM Aug 03, 202
enter Freq 2.437000	P		ig: Free Run	#Avg Typ	e: RMS	TF	TYPE WWWWWW
		Gain:Low #A	tten: 30 dB				50.00 m
Ref Offset 2.36 dB/div Ref 20.00 dl	odB Bm						4.90 dBn
)g 0.0							
.00 dtf Mangaratha (wij ar porsent Separated	Horn so that is been layers	an an daga palasin taga na p <mark>ilikasi kewa</mark>	1	and the provide a difference on problem to be	and up to a source for a solution	en an an an Anna an An	henry das das <mark>Dationesse</mark>
		and the Law and the Law And the Law Constant	alizzi Mana di Alizzaria B	interiorenti feritikati ilmitikatu	ener, aktologija je je se	and the local difference of th	and the second secon
D.0							
0.0							
J.O							
							0
enter 2.437000000 GI es BW 8 MHz	ĦZ	#VBW 8.	0 MHz		Sweep	100.0 ms	Span 0 H (10001 pts
R MODE TRC SCL	× 50.00 ms	۲ - 4.90 dBm	FUNCTION	FUNCTION WIDTH	Fl	JNCTION VALUE	
2	30.00 1115	-4.50 dBill					
4 5							
6 6 7 6							
8							
1							4
3				STATUS			
]	Duty Cycle	NVNT g	2462MHz			
Agilent Spectrum Analyzer - Swept RL RF 50 Ω	SA AC	SENSE:	INT	ALIGN AUTO		04:49:2	5 PM Aug 03, 20
enter Freq 2.462000		NO:Fast Tri	ig: Free Run	#Avg Typ	e: RMS	TF	TYPE WWWWW
		Gain:Low #A	tten: 30 dB				50.00 m
	9 dB					-6	6.07 dBn
Ref Offset 2.39 dB/div Ref 20.00 dl	Bm						
dB/div Ref 20.00 dl	Bm						
1 dB/div Ref 20.00 dl	Bm	ومحر والجمع المتروب والمراقع	1	n tek kana kana ang mana kana ang mana kana sa kana sa	and the spectra of the property of the		Support Albert and Albert
d B/div Ref 20.00 dl 99 0.0 0.0 00 1000000000000000000000000	Bm	. <mark>Hillingte, nag-stellengte,</mark> indel <mark>iget bester</mark> Vergens beginnt gesteren an indeliget bestere	stratikkenter <mark>vikakente</mark> k	na na lagona y na filida tagona na kapana kapana kata na kapana Na na kapana kapana kapana kapana kata kaba	neddaetyw bydfietraetych		tissen av det televiser i states andre states av det states i states av det states av de
d B/div Ref 20.00 dl 9 0 0 0 0 0 0 0 0 0 0 0 0	Bm	. (Mellinarjan argumetany) (k. (n. k. k. (n.	ar an New York () a feasibility	in an de fama (y falle tragmentari de se	ne di bai ya ku di kasina su shin na da ku		n server provent de Valence a la server de Valence a la server de Valence a la server de Valence de Valence de La server de Valence de
d B/div Ref 20.00 dl 9 00 00 00 00 00 00 00	Bm	gillerge og selenste hat selekter og		ta a la fara (a 1976), a ta ta para de la casa de la ca Casa de la casa de la c	neddaetae (tyd Gaetae ar ydd		n organ ywr y fel Llwy (mae'r y Sfan y mae'r affer yn organ ywr a conseilau fel ym ar ywr ywr a conseilau fel ywr ywr a conseilau fel ywr ywr a conseilau fel ywr a ym a conseilau fel ywr a conseil
i dB/div Ref 20.00 dl 9 00 00 00 00 00 00 00 00 00	Bm	giller par en skonst han bet here er			neddol yw Condigen yw Ch		soya per di Alba Tarel (i des per un del gran dan de la
dB/div Ref 20.00 dl 9	Bm						
dB/div Ref 20.00 dl 29							
dB/div Ref 20.00 dl 9		illen ander he allen a					Span 0 H
dB/div Ref 20.00 dl 99		#VBW 8.	O MHz	FUNCTION W/DTH	Sweep		Span 0 H
dB/div Ref 20.00 dl 29	Bm	#VBW 8.	O MHz		Sweep	100.0 ms	Span 0 H
eB/div Ref 20.00 dl 29		#VBW 8.	O MHz		Sweep	100.0 ms	Span 0 H
Rel/div Ref 20.00 dl P Ref 20.0		#VBW 8.	O MHz		Sweep	100.0 ms	Span 0 H
Beldiv Ref 20.00 dl COME Come COME Com COME		#VBW 8.	O MHz		Sweep	100.0 ms	Span 0 H

Page: 71 of 79



Agilent Spectrum Analyzer - Sv R L RF 50		- one on	INT	ALICE AUTO		04:50:02 DM Aug 02, 200
RL RF 50 enter Freq 2.4120	Ω AC 000000 GHz	SENSE		ALIGN AUTO #Avg Type	e: RMS	04:50:03 PM Aug 03, 202 TRACE 1 2 3 4 5
	PN		rig: Free Run Atten: 30 dB			DET PNNN
Ref Offset 2	2 35 dB					Mkr1 50.00 m
dB/div Ref 20.00						-9.56 dBn
0.0						
.00			1_			
	i al mini a provi i l'arrente di sec	فالتقيد ومانجة المانان والمته			<mark>h lind a lind a standard and a</mark>	i i speti i pli i stani i strani i pli privi i i i si privi i i
0.0						
0.0						
0.0						
0.0						
0.0						
						0
enter 2.412000000 es BW 8 MHz	GHZ	#VBW 8.	0 MHz		Sweep '	Span 0 H 00.0 ms (10001 pts)
R MODE TRC SCL	x	Y	FUNCTION	FUNCTION WIDTH		CTION VALUE
1 N 1 t 2	50.00 ms	-9.56 dBm				
3 4						
5 6 						
7						
9						
1						F.
3				STATUS		
	Du	ity Cycle N	IVNT n2	0 2437MHz	·	
Agilent Spectrum Analyzer - Sv	vept SA					- ¢
RL RF 50 enter Freq 2.4370	Ω AC 000000 GHz	SENSE		ALIGN AUTO #Avg Type	e: RMS	04:50:22 PM Aug 03, 20 TRACE 1 2 3 4 5
	PN		rig: Free Run Atten: 30 dB			DET PNNN
Ref Offset	2 36 dB					
Ref Offset 2 dB/div Ref 20.00						
dB/div Ref 20.00						
0 dB/div Ref 20.00) dBm		11		ind on heat of the	-6.94 dBr
0 dB/div Ref 20.00		y and land for the state of the state of the		Negagan Kang di katentari kalan sana	h balan tina la dalarsia santa bat	
dB/div Ref 20.00 9) dBm	para serejinak la dine analysi Internetinak ang para serejinak		Norseguera de spilit de la destila da const el casa de la destila de seconda	stadio a traditi di Stadio di S	-6.94 dBr
dB/div Ref 20.00 00) dBm			Lenner IV. Johnsen für Linner	Lada 2000 July and a south for	-6.94 dBr
dB/div Ref 20.00 00) dBm	pone penetrati kan penetrat		kenne kolsta er tik lande		-6.94 dBr
dB/div Ref 20.00 00) dBm	pone services, in the constant			t tak a teo katar karak ka	-6.94 dBr
dB/div Ref 20.00 00) dBm					Mkr1 50.00 m -6.94 dBn
dB/div Ref 20.00 9) dBm Alexani areatanna area I leanni areatanna areatan areatanna areatanna a					-6.94 dBr
dB/div Ref 20.00 99) dBm Alexani areatanna area I leanni areatanna areatan areatanna areatanna a	#VBW 8.				-6.94 dBr
dB/div Ref 20.00 99) dBm Aliental generation (Mirror and and and and and and and and and and and	#VBW 8.	O MHz		Sweep /	-6.94 dBn
dB/div Ref 20.00 99	O dBm		O MHz		Sweep /	-6.94 dBr
dB/div Ref 20.00 99) dBm Aliental generation (Mirror and and and and and and and and and and and	#VBW 8.	O MHz		Sweep /	-6.94 dBr
dB/div Ref 20.00 99) dBm Aliental generation (Mirror and and and and and and and and and and and	#VBW 8.	O MHz		Sweep /	-6.94 dBr
dB/div Ref 20.00 29) dBm Aliental generation (Mirror and and and and and and and and and and and	#VBW 8.	O MHz		Sweep /	-6.94 dBn
dB/div Ref 20.00 29) dBm Aliental generation (Mirror and and and and and and and and and and and	#VBW 8.	O MHz		Sweep /	-6.94 dBr
Heat Ref 20.00 99) dBm Aliental generation (Mirror and and and and and and and and and and and	#VBW 8.	O MHz		Sweep /	-6.94 dBr

Page: 72 of 79



Agilent Spectrum Analyzer - Swept S RL RF 50 Ω			NSE:INT	1	2462MH		04-50-5	🗖 🗗 🗾
enter Freq 2.462000	000 GHz					pe: RMS	Т	RACE 1 2 3 4 5
		O: Fast ↔→ ain:Low	Trig: Free F #Atten: 30					
Ref Offset 2.39							Mkr1	50.00 ms
OdB/div Ref 20.00 dE	3m							6.25 dBm
10.0				.1				
).00 Hullehaarskiiteartiikelaiteatearteart 0.0	den binterele kirili e	de de la complete	iddan (Jak) (r		وبالغاب واجتز والغراب	القاربة والانجار والإيرية والغائد	en la de La lateinal de	in i di bice estat de la
20.0								
0.0								
0.0								
0.0								
0.0								
enter 2.462000000 GH es BW 8 MHz	z	#VBW	8.0 MHz			Sweep	100.0 ms	Span 0 Hz (10001 pts
KR MODE TRC SCL	Х	Y	FUNC	TION	FUNCTION WIDTH		JNCTION VALUE	
1 N 1 t 2	50.00 ms	-6.25 dl	Bm					
3 4								
5								
8								
9								
			m					· · ·
G					STATUS			
		ty Cycle	NVNT	n40	2422MH	Z		
Agilent Spectrum Analyzer - Swept S R L RF 50 Ω	AC	SE	NSE:INT		ALIGN AUTO			53 PM Aug 03, 202
enter Freq 2.422000	PN	O: Fast ↔→→	Trig: Free F	Run	#Avg Ty	pe: RMS	Т	RACE 12345 TYPE WWWWWW DET PNNNN
		ain:Low	#Atten: 30	dB				50.00 ms
Ref Offset 2.35 dB/div Ref 20.00 dE							-1	1.24 dBn
og 10.0								
).00				1				
0.0 <mark>Millioner de trabaixe ensiste endere</mark>	in Hangili ishi somuta buda t	lan tê li bên êdermîn Dêr	n de la facta de la cale		identin destabilities dest		ele a da da sister	<mark>en de la stille de minet</mark>
0.0								
0.0								
0.0								
0.0								
50.0 50.0 70.0								
0.0	z							Span 0 Hz
enter 2.422000000 GH es BW 8 MHz		#VBW	8.0 MHz					Span 0 Hz (10001 pts
enter 2.422000000 GH es BW 8 MHz KR MODE TRC SCL 1 N 1 t	z 50.00 ms	#VBW Y -11.24 dl	FUNC		FUNCTION WIDTH		100.0 ms	Span 0 Hz (10001 pts
enter 2.422000000 GH es BW 8 MHz	X	Y	FUNC	TION	FUNCTION WIDTH			Span 0 Hz (10001 pts
0.0	X	Y	FUNC	TION	FUNCTION WIDTH			Span 0 Hz (10001 pts
0.0	X	Y	FUNC	TION	FUNCTION WIDTH			(10001 pts
0.0	X	Y	FUNC	TION	FUNCTION WIDTH			(10001 pts
0.0 enter 2.422000000 GH es BW 8 MHz KR MODE TRC SCL 1 N 1 t 2 3 4 5 5 5 6 7 8 8	X	Y	FUNC	TION	FUNCTION WIDTH			(10001 pts



Agilent Spectrum Analyzer - Swe				0 2437MHz			
enter Freq 2.4370		SE	NSE:INT	ALIGN AUTO #Avg Typ	e: RMS	TF	2 PM Aug 03, 202 RACE 1 2 3 4 5
	P	NO: Fast ↔↔ Gain:Low	Trig: Free Run #Atten: 30 dB				
Ref Offset 2	36 dB						50.00 ms
0 dB/div Ref 20.00	dBm					-1().28 dBm
10.0							
).00			1				
0.0 <mark>Helington den Highlighten den </mark>							
80.0							
0.0							
0.0							
0.0							
0.0							
enter 2.437000000	GHz	-43 (D) M	0.0.0411-		0	100.0	Span 0 Hz
R MODE TRC SCL	×	#VBW	8.0 MHz	FUNCTION WIDTH		100.0 ms	(10001 pts
1 N 1 t 2	× 50.00 ms	-10.28 df		FORCHOR WIDTH	FL	SING TION VALUE	
3							
4 5 6							
7 8							
9							
1							
G				STATUS			
		-					
	D	uty Cycle	NVNT n4	0 2452MHz	2		
	ept SA				<u></u>	04.55	
RL RF 50 S	ept SA Ω AC 00000 GHz	SEI	NSE:INT	0 2452MHz Align auto #Avg Typ		TF	2 PM Aug 03, 202
RL RF 50 S	ept SA Ω AC 100000 GHz P			ALIGN AUTO		TF	2 PM Aug 03, 202 RACE 1 2 3 4 5 TYPE WWWWWW DET P N N N N
RL RF 50 S enter Freq 2.4520 Ref Offset 2	ept SA Ω AC 000000 GHz P IF .38 dB	SEI PNO: Fast ↔	NSE:INT	ALIGN AUTO		TF Mkr1	2 PM Aug 03, 202 RACE 1 2 3 4 5 TYPE WWWWW DET P NNNN
RL RF 50 S enter Freq 2.4520 Ref Offset 2 0 dB/div Ref 20.00	ept SA Ω AC 000000 GHz P IF .38 dB	SEI PNO: Fast ↔	NSE:INT	ALIGN AUTO		TF Mkr1	2 PM Aug 03, 202 RACE 1 2 3 4 5 TYPE WWWWW DET P NNNN
RL RF 50.4 enter Freq 2.4520 Ref Offset 2 0 dB/div Ref Offset 2 0 g 0	ept SA Ω AC 000000 GHz P IF .38 dB	SEI PNO: Fast ↔	NSE:INT	ALIGN AUTO		TF Mkr1	2 PM Aug 03, 202 RACE 2 3 4 5 TYPE WWWWW DET P NNNN
RL RF 50.2 enter Freq 2.4520 Ref Offset 2 0 dB/div Ref Offset 2 0 dB/div Ref 20.00 90 1 100 1	ept SA Ω AC 000000 GHz P IF .38 dB	SEI PNO: Fast ↔	NSE:INT	ALIGN AUTO		TF Mkr1	2 PM Aug 03, 202 RACE 2 3 4 5 TYPE WWWWW DET P NNNN
RL RF 50.0 enter Freq 2.4520 Ref Offset 2 0 dB/div Ref 20.00 0 0 Ref 20.00	ept SA Ω AC 000000 GHz P IF .38 dB	SEI PNO: Fast ↔	NSE:INT	ALIGN AUTO		TF Mkr1	2 PM Aug 03, 202 RACE 2 3 4 5 TYPE WWWWW DET P NNNN
RL RF 50.0 enter Freq 2.4520 Ref Offset 2 D dB/div Ref 20.00 0.0 Ref 20.00 0.0 Ref 20.00 0.0 Ref 20.00 0.0 Ref 20.00	ept SA Ω AC 000000 GHz P IF .38 dB	SEI PNO: Fast ↔	NSE:INT	ALIGN AUTO		TF Mkr1	2 PM Aug 03, 202 RACE 2 3 4 5 TYPE WWWWW DET P NNNN
RL RF 50.0 enter Freq 2.4520 Ref Offset 2 D dB/div Ref 20.00 0 0 Ref 20.00	ept SA Ω AC 000000 GHz P IF .38 dB	SEI PNO: Fast ↔	NSE:INT	ALIGN AUTO		TF Mkr1	2 PM Aug 03, 202 RACE 2 3 4 5 TYPE WWWWW DET P NNNN
RL RF 50.0 enter Freq 2.4520 Ref Offset 2 0 dB/div Ref 20.00 0 0 Ref 20.00	ept SA Ω AC 000000 GHz P IF .38 dB	SEI PNO: Fast ↔	NSE:INT	ALIGN AUTO		TF Mkr1	2 PM Aug 03, 202 RACE 2 3 4 5 TYPE WWWWW DET P NNNN
RL RF 50.0 enter Freq 2.4520 Ref Offset 2 0 dB/div Ref 20.00 0 0 Ref 20.00	ept SA Ω AC 000000 GHz P IF .38 dB	SEI PNO: Fast ↔	NSE:INT	ALIGN AUTO		TF Mkr1	2 PM Aug 03, 202 2 PM Aug 03, 202 12 3 4 5 9 N N N N Det 9 N N N N 50.00 ms 0.84 dBm
RL RF 50.2 enter Freq 2.4520 Ref Offset 2 0 dB/div Ref 20.00 0 0	ept SA 2 AC P 000000 GHz 338 dB dBm 40m 40m 40m 40m 40m 40m 40m 40	SEI PNO: Fast ↔	NSE:INT	ALIGN AUTO		TF Mkr1	2 PMAU9 03, 202 4462 2 3 4 5 TYPE WINN N 50.00 ms 0.84 dBm
RL RF 50.0 enter Freq 2.4520 Ref Offset 2 0 dB/div Ref 20.00 00	ept SA 2 AC P 000000 GHz 38 dB dBm 40m	PNO: Fast Gain:Low	Trig: Free Run #Atten: 30 dB	ALIGN AUTO	e: RMS	TF Mkr1 -10	2 PMAUg 03, 202 ACC 11 2 3 4 5 TYPE VALUE 50.00 ms 3.84 dBm 4.45 dBm 50.00 ms 50.00 ms 5
RL RF 50.0 enter Freq 2.4520 Ref Offset 2 0 dB/div Ref 20.00 0 0	ept SA 2 AC P 000000 GHz 38 dB dBm 40m	PNO: Fast Gain:Low	NSE:INT	ALIGN AUTO	e: RMS	TF Mkr1	2 PMAUg 03, 202 ACC 11 2 3 4 5 TYPE VALUE 50.00 ms 3.84 dBm 4.45 dBm 50.00 ms 50.00 ms 5
RL PF 50.2 enter Freq 2.4520 Ref Offset 2 0 dB/div Ref 20.00 0 0	ept SA 2 AC P 100000 GHz 3.38 dB dBm 40m 500000 GHz 100000 GHZ 1000000 GHZ 1000000000000000000000000000000000000	SEP CGain:Low Second 10 A State Second 10 A Sta	NSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO #Avg Typ	e: RMS	TF Mkr1 -10 -10 -10 -100.0 ms	2 PMAUg 03, 202 ACC 11 2 3 4 5 TYPE VALUE 50.00 ms 3.84 dBm 4.45 dBm 50.00 ms 50.00 ms 5
RL PF 50 / 2 enter Freq 2.4520 Ref Offset 2 0 dE/div Ref 20.00 0 0	ept SA 2. AC 3.38 dB dBm dBm dBm dBm dBm dBm dBm d	SEP Cain:Low Second Page 114 22 Second Page 114 2 Second Page 114 2	NSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO #Avg Typ	e: RMS	TF Mkr1 -10 -10 -10 -100.0 ms	2 PMAUg 03, 202 ACC 11 2 3 4 5 TYPE VALUE 50.00 ms 3.84 dBm 4.45 dBm 50.00 ms 50.00 ms 5
RL RF 50.0 enter Freq 2.4520 Ref Offset 2 0 dB/div Ref 20.00 0 0 Ref 20.00 <td>ept SA 2. AC 3.38 dB dBm dBm dBm dBm dBm dBm dBm d</td> <td>SEP Cain:Low Second Page 114 22 Second Page 114 2 Second Page 114 2</td> <td>NSE:INT Trig: Free Run #Atten: 30 dB</td> <td>ALIGN AUTO #Avg Typ</td> <td>e: RMS</td> <td>TF Mkr1 -10 -10 -10 -100.0 ms</td> <td>2 PMAUg 03, 202 ACC 11 2 3 4 5 TYPE VALUE 50.00 ms 3.84 dBm 4.45 dBm 50.00 ms 50.00 ms 5</td>	ept SA 2. AC 3.38 dB dBm dBm dBm dBm dBm dBm dBm d	SEP Cain:Low Second Page 114 22 Second Page 114 2 Second Page 114 2	NSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO #Avg Typ	e: RMS	TF Mkr1 -10 -10 -10 -100.0 ms	2 PMAUg 03, 202 ACC 11 2 3 4 5 TYPE VALUE 50.00 ms 3.84 dBm 4.45 dBm 50.00 ms 50.00 ms 5
RL RF 50.0 enter Freq 2.4520 Ref Offset 2 0 dB/div Ref 20.00 0 0	ept SA 2. AC 3.38 dB dBm dBm dBm dBm dBm dBm dBm d	SEP Cain:Low Second Page 114 22 Second Page 114 2 Second Page 114 2	NSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO #Avg Typ	e: RMS	TF Mkr1 -10 -10 -10 -100.0 ms	2 PMAug 03, 202 MACE [] 2 3 4 5 TYPE WARNING 50.00 ms 0.84 dBm 50.00 ms 1.84 dBm (10001 pts
Ref Offset 2 0 dB/div Ref 20.00 99	ept SA 2. AC 3.38 dB dBm dBm dBm dBm dBm dBm dBm d	SEP Cain:Low Second Page 114 22 Second Page 114 2 Second Page 114 2	NSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO #Avg Typ	e: RMS	TF Mkr1 -10 -10 -10 -100.0 ms	2 PMAug 03, 202 MACE [] 2 3 4 5 TYPE WARNING 50.00 ms 0.84 dBm 50.00 ms 1.84 dBm (10001 pts
RL RF 50.2 enter Freq 2.4520 Ref Offset 2 GB/div 0 GB/div	ept SA 2. AC 3.38 dB dBm dBm dBm dBm dBm dBm dBm d	SEP Cain:Low Second Page 114 22 Second Page 114 2 Second Page 114 2	NSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO #Avg Typ	e: RMS	TF Mkr1 -10 -10 -10 -100.0 ms	2 PMAug 03, 202 MACE [] 2 3 4 5 TYPE WARNING 50.00 ms 0.84 dBm 50.00 ms 1.84 dBm (10001 pts



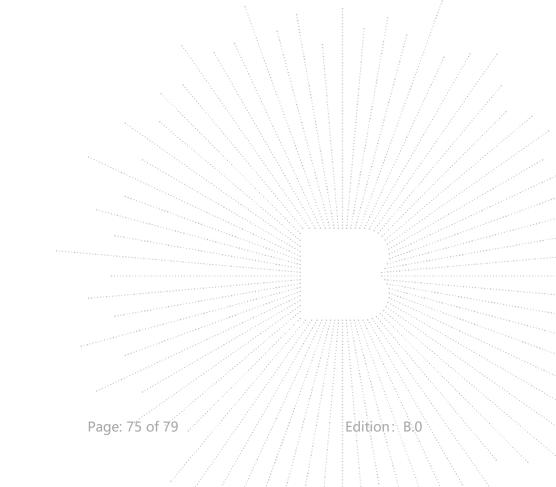
14. Antenna Requirement

14.1 Limit

15.203 requirement: For intentional device, according to 15.203: 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.

14.1 Test Result

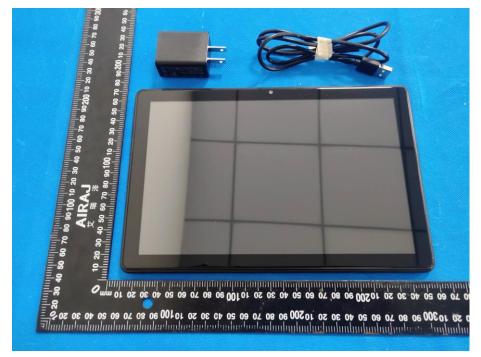
The EUT antenna is Internal antenna, fulfill the requirement of this section.





15. EUT Photographs

EUT Photo



NOTE: Appendix-Photographs Of EUT Constructional Details

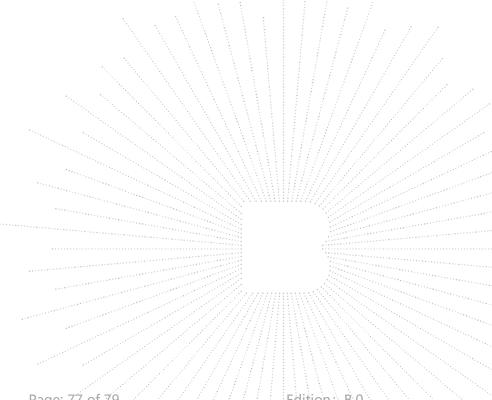
Page: 76 of 79 Edition: B.0



16. EUT Test Setup Photographs

Conducted Measurement Photos



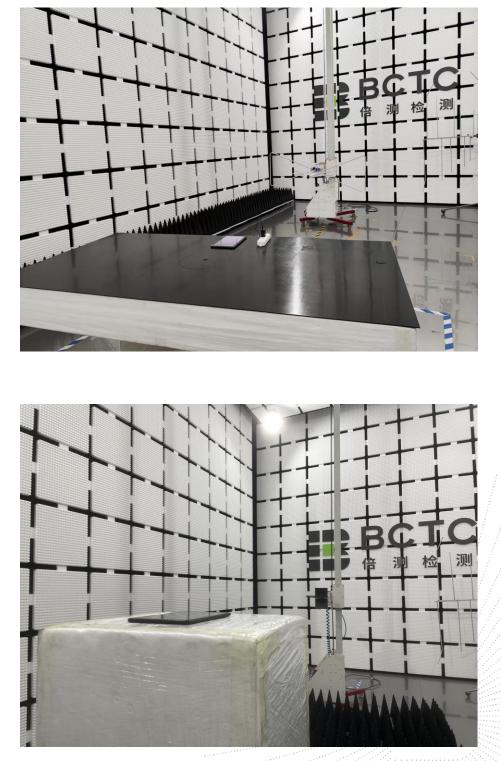


No.: BCTC/RF-EMC-005

Page: 77 of 79



Radiated Measurement Photos



No.: BCTC/RF-EMC-005

Page: 78 of 79



STATEMENT

- 1. The equipment lists are traceable to the national reference standards.
- 2. The test report can not be partially copied unless prior written approval is issued from our lab.
- 3. The test report is invalid without the "special seal for inspection and testing".
- 4. The test report is invalid without the signature of the approver.
- 5. The test process and test result is only related to the Unit Under Test.

6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.

7. The quality system of our laboratory is in accordance with ISO/IEC17025.

8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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***** END *****

No.: BCTC/RF-EMC-005

Page: 79 of 79