

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC151386

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FCC Radio Test Report FCC ID: 2AK77-C1

Original Grant

Report No. : TB-FCC151386

Applicant : Shenzhen Yuetu Network Technology Ltd.

Equipment Under Test (EUT)

EUT Name : DVR

Model No. : C1

Series No. : Please see the page of 4

Brand Name : N/A

Receipt Date : 2017-02-08

Test Date : 2017-02-09 to 2017-02-21

Issue Date : 2017-02-22

Standards : FCC Part 15, Subpart C (15.247:2016)

Test Method : ANSI C63.10: 2013

Conclusions : PASS

In the configuration tested, the EUT complied with the standards specified above,

The EUT technically complies with the FCC and IC requirements

Test/Witness Engineer :

Approved& :

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

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1. General Information about EUT

1.1 Client Information

Applicant: Shenzhen Yuetu Network Technology Ltd.

Address: Wearnes Science and Technology Mansion 310, Kefa RD NO10,

Nanshan, Shenzhen, China.

Manufacturer : Shenzhen Yuetu Network Technology Ltd.

Address: Wearnes Science and Technology Mansion 310, Kefa RD NO10,

Nanshan, Shenzhen, China.

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	DVR					
	•						
Models No.	:	C1, C1plus, C2, T1, T2, X1, X2, X3, M1, M2					
Model Difference			All models are identical in the same PCB layout interior structure and electrical circuits, The only difference is model name for commercial purpose.				
		Operation Frequency:	802.11b/g/n(HT20): 2412MHz~2462MHz 802.11n(HT40): 2422MHz~2452MHz				
		Number of Channel:	802.11b/g/n(HT20):11 channels see note(3) 802.11n(HT40): 7 channels see note(3)				
		RF Output Power:	802.11b: 9.15dBm 802.11g: 8.99 dBm				
Product Description		De la lace	802.11n (HT20): 8.43 dBm 802.11n (HT40): 8.01 dBm				
Description		Antenna Gain:	0.75 dBi FPC Antenna				
		Modulation Type:	802.11b: DSSS(CCK, QPSK, BPSK) 802.11g: OFDM 802.11n: OFDM				
		Bit Rate of Transmitter:	802.11b: 11/5.5/2/1 Mbps 802.11g: 54/48/36/24/18/12/9/6 Mbps 802.11n:up to 150Mbps				
Power		DC Voltage Supplied from the Host System.					
Supply		DC Voltage Supply by the Battery.					
Power Rating		DC 5.0 V from the PC by th DC 3.7 V~200mAh by the I	ne USB Cable.				
Connecting I/O Port(S)	:	Please refer to the User's Manual					



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Note:

- (1) This Test Report is FCC Part 15.247 for 802.11b/g/n, the test procedure follows the FCC KDB 558074 D01 DTS Meas Guidance v03r05.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- (3) Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452
02	2417	06	2437	10	2457
03	2422	07	2442	11	2462
04	2427	80	2447		

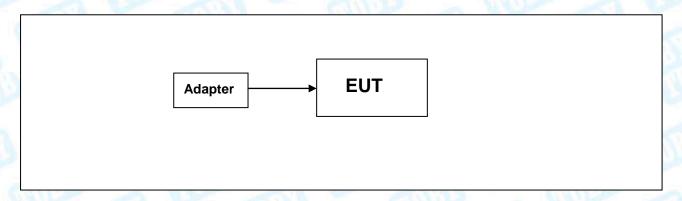
Note: CH 01~CH 11 for 802.11b/g/n(HT20) CH 03~CH 09 for 802.11n(HT40)

(4) Antenna information

Antenna	Brand	Model Name	Туре	Antenna Gain(dBi)
ANT1	N/A	N/A	FPC	0.75

1.3 Block Diagram Showing the Configuration of System Tested

TX+Charging

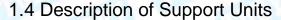


TX Mode





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Equipment Information					
Name Model S/N Manufacturer Used "-					
AC Adapter	TEKA012-0502000UK		N/A	1	

1.5 Description of 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 follow was evaluated respectively.

For Conducted Test				
Final Test Mode	Description			
Mode 1	TX B Mode			

For Radiated Test				
Final Test Mode Description				
Mode 2 TX Mode B Mode Channel 01/06/11				
Mode 3 TX Mode G Mode Channel 01/06/11				
Mode 4	TX Mode N(HT20) Mode Channel 01/06/11			
Mode 5 TX Mode N(HT40) Mode Channel 03/06/09				

Note:

(1) For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.

According to ANSI C63.10 standards, the measurements are performed at the highest, middle, lowest available channels, and the worst case data rate as follows:

802.11b Mode: CCK (1 Mbps) 802.11g Mode: OFDM (6 Mbps)

802.11n (HT20) Mode: MCS 0 (6.5 Mbps) 802.11n (HT40) Mode: MCS 0 (13 Mbps)

- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a fixed unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.



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1.6 Description of Test 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 of WLAN.

33	MODE	Test Sot		
CITE S	Test Mode: Continuously transmitting			
Mode	Doto Boto	Channel	Parameters	
Mode	Data Rate	Channel	ANT	
	CCK/ 1Mbps	01	DEF	
802.11b	CCK/ 1Mbps	06	DEF	
- 1	CCK/ 1Mbps	11	DEF	
THE	OFDM/ 6Mbps	01	DEF	
802.11g	OFDM/ 6Mbps	06	DEF	
7 W	OFDM/ 6Mbps	11	DEF	
100	MCS 0	01	DEF	
802.11n(20)	MCS 0	06	DEF	
a W	MCS 0	11	DEF	
	MCS 0	03	DEF	
302.11n(40)	MCS 0	06	DEF	
The same	MCS 0	09	DEF	



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1.7 Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

Test Item	Parameters	Expanded Uncertainty (U _{Lab})
Conducted Emission	Level Accuracy: 9kHz~150kHz 150kHz to 30MHz	±3.42 dB ±3.42 dB
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	±4.60 dB
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	±4.40 dB
Radiated Emission	d Emission Level Accuracy: Above 1000MHz ±4.20 dB	

1.8 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

FCC List No.: (811562)

The Laboratory is listed in the United States of American Federal Communications Commission (FCC), and the registration number is 811562.

IC Registration No.: (11950A-1)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A-1.



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2. Test Summary

	FCC Part 15 Subpart C(15.247)/ RSS 247 Issue 1					
Standa	rd Section	Test Item	ludamont	Damada		
FCC	IC	lest item	Judgment	Remark		
15.203		Antenna Requirement	PASS	N/A		
15.207	RSS-GEN 7.2.4	Conducted Emission	PASS	N/A		
15.205	RSS-GEN 7.2.2	Restricted Bands	PASS	N/A		
15.247(a)(2)	RSS 247 5.2 (1)	6dB Bandwidth	PASS	N/A		
15.247(b)	RSS 247 5.4 (4)	Peak Output Power	PASS	N/A		
15.247(e)	RSS 247 5.2 (2)	Power Spectral Density	PASS	N/A		
15.247(d)	RSS 247 5.5	Band Edge	PASS	N/A		
15.247(d)& 15.209	RSS 247 5.5	Transmitter Radiated Spurious Emission	PASS	N/A		

Note: "/" for no requirement for this test item.

N/A is an abbreviation for Not Applicable.



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Conducte	d Emission Te	st			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jul. 22, 2016	Jul. 21, 2017
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jul. 22, 2016	Jul. 21, 2017
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jul. 22, 2016	Jul. 21, 2017
LISN	Rohde & Schwarz	ENV216	101131	Jul. 22, 2016	Jul. 21, 2017
Radiation	Emission Tes	t			Col Duo
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 22, 2016	Jul. 21, 2017
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul. 22, 2016	Jul. 21, 2017
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Mar. 20, 2016	Mar. 19, 2017
Bilog Antenna	ETS-LINDGREN	3142E	00117542	Mar. 20, 2016	Mar. 19, 2017
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar. 19, 2016	Mar. 18, 2017
Horn Antenna	ETS-LINDGREN	3117	00143209	Mar. 19, 2016	Mar. 18, 2017
Pre-amplifier	Sonoma	310N	185903	Mar. 20, 2016	Mar. 19, 2017
Pre-amplifier	HP	8447B	3008A00849	Mar. 26, 2016	Mar. 25, 2017
Loop Antenna	Laplace instrument	RF300	0701	Mar. 19, 2016	Mar. 18, 2017
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar. 26, 2016	Mar. 25, 2017
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna C	Conducted Em	ission			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 22, 2016	Jul. 21, 2017
Spectrum Analyzer	Rohde & Schwarz	ESCI	100321	Jul. 22, 2016	Jul. 21, 2017
Power Meter	Anritsu	ML2495A	25406005	Jul. 22, 2016	Jul. 21, 2017
Power Sensor	Anritsu	ML2411B	25406005	Jul. 22, 2016	Jul. 21, 2017



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4. Conducted Emission Test

4.1 Test Standard and Limit

4.1.1Test Standard FCC Part 15.207

4.1.2 Test Limit

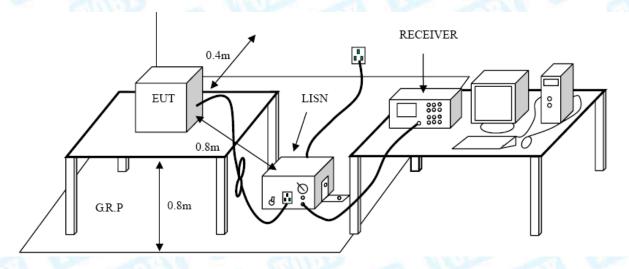
Conducted Emission Test Limit

Fraguency	Maximum RF Line	e Voltage (dBμV)
Frequency	Quasi-peak Level	Average Level
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
500kHz~5MHz	56	46
5MHz~30MHz	60	50

Notes:

- (1) *Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2 Test Setup



4.3 Test Procedure

The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/50uH of coupling impedance for the measuring instrument.

Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back



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I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

LISN at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9kHz, and the test frequency band is from 0.15MHz to 30MHz.

4.4 EUT Operating Mode

Please refer to the description of test mode.

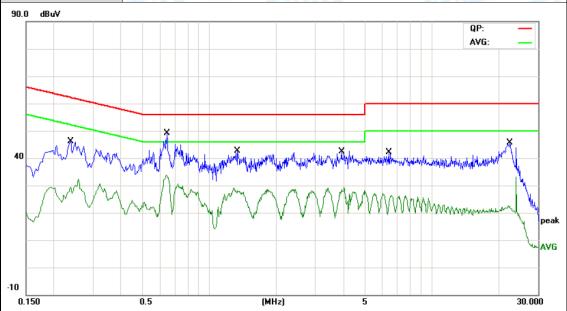
4.5 Test Data

Please see the next page.



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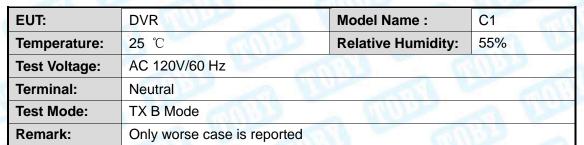
EUT:	DVR	Model Name :	C1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz					
Terminal:	Line		1100			
Test Mode:	TX B Mode					
Remark:	Only worse case is reported	non I				

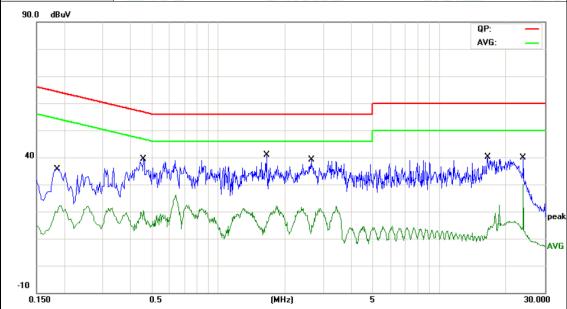


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBu∀	dBu∀	dB	Detector
1		0.2380	21.21	10.02	31.23	62.16	-30.93	QP
2		0.2380	8.73	10.02	18.75	52.16	-33.41	AVG
3		0.6460	22.86	10.09	32.95	56.00	-23.05	QP
4	*	0.6460	12.88	10.09	22.97	46.00	-23.03	AVG
5		1.3380	20.56	10.06	30.62	56.00	-25.38	QP
6		1.3380	9.35	10.06	19.41	46.00	-26.59	AVG
7		3.9260	19.13	10.00	29.13	56.00	-26.87	QP
8		3.9260	8.43	10.00	18.43	46.00	-27.57	AVG
9		6.4100	13.96	10.03	23.99	60.00	-36.01	QP
10		6.4100	1.68	10.03	11.71	50.00	-38.29	AVG
11		22.4460	20.38	10.16	30.54	60.00	-29.46	QP
12		22.4460	3.29	10.16	13.45	50.00	-36.55	AVG



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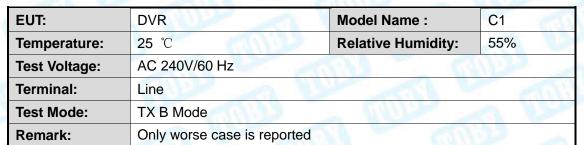


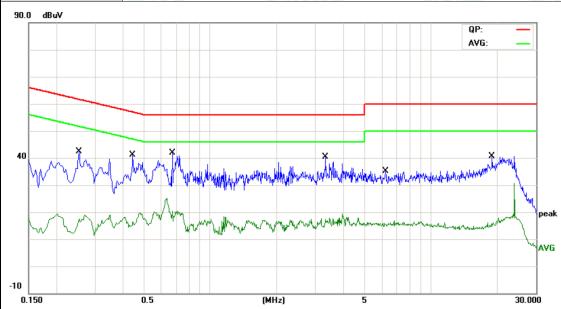


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB	dBu∀	dBu∀	dB	Detector
1		0.1860	19.00	9.99	28.99	64.21	-35.22	QP
2		0.1860	9.99	9.99	19.98	54.21	-34.23	AVG
3		0.4580	21.45	10.02	31.47	56.73	-25.26	QP
4		0.4580	7.59	10.02	17.61	46.73	-29.12	AVG
5		1.6500	15.46	10.06	25.52	56.00	-30.48	QP
6		1.6500	4.72	10.06	14.78	46.00	-31.22	AVG
7		2.6340	16.29	10.04	26.33	56.00	-29.67	QP
8		2.6340	1.46	10.04	11.50	46.00	-34.50	AVG
9		16.5380	14.39	10.23	24.62	60.00	-35.38	QP
10		16.5380	3.95	10.23	14.18	50.00	-35.82	AVG
11		24.0020	25.67	10.16	35.83	60.00	-24.17	QP
12	*	24.0020	19.70	10.16	29.86	50.00	-20.14	AVG



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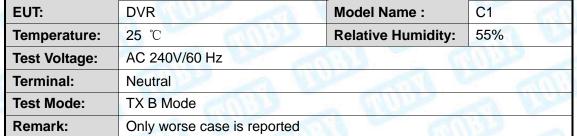


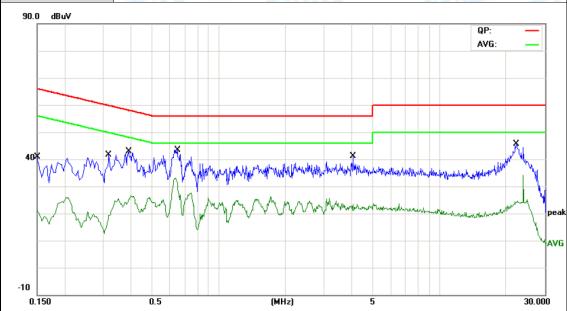


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBu∀	dBu∀	dB	Detector
1		0.2540	23.73	10.10	33.83	61.62	-27.79	QP
2		0.2540	5.56	10.10	15.66	51.62	-35.96	AVG
3	*	0.4460	20.41	10.04	30.45	56.95	-26.50	QP
4		0.4460	4.45	10.04	14.49	46.95	-32.46	AVG
5		0.6740	17.54	10.02	27.56	56.00	-28.44	QP
6		0.6740	6.87	10.02	16.89	46.00	-29.11	AVG
7		3.3420	16.05	10.06	26.11	56.00	-29.89	QP
8		3.3420	4.77	10.06	14.83	46.00	-31.17	AVG
9		6.2220	12.81	10.06	22.87	60.00	-37.13	QP
10		6.2220	3.81	10.06	13.87	50.00	-36.13	AVG
11		18.9900	16.13	10.06	26.19	60.00	-33.81	QP
12		18.9900	3.26	10.06	13.32	50.00	-36.68	AVG



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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBu∀	dB	Detector
1		0.1500	23.75	9.92	33.67	65.99	-32.32	QP
2		0.1500	10.67	9.92	20.59	55.99	-35.40	AVG
3		0.3180	22.88	10.02	32.90	59.76	-26.86	QP
4		0.3180	7.56	10.02	17.58	49.76	-32.18	AVG
5		0.3899	25.51	10.02	35.53	58.06	-22.53	QP
6		0.3899	15.22	10.02	25.24	48.06	-22.82	AVG
7		0.6500	27.24	10.09	37.33	56.00	-18.67	QP
8	*	0.6500	19.47	10.09	29.56	46.00	-16.44	AVG
9		4.0660	19.76	9.99	29.75	56.00	-26.25	QP
10		4.0660	11.16	9.99	21.15	46.00	-24.85	AVG
11		22.2780	25.22	10.16	35.38	60.00	-24.62	QP
12		22.2780	12.52	10.16	22.68	50.00	-27.32	AVG



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5. Radiated Emission Test

5.1 Test Standard and Limit

5.1.1 Test Standard FCC Part 15.209

5.1.2 Test Limit

Radiated Emission Limits (9kHz~1000MHz)

Frequency (MHz	Field Strength (microvolt/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

Radiated Emission Limit (Above 1000MHz)

Frequency	Distance Me	ters(at 3m)
(MHz)	Peak (dBuV/m)	Average (dBuV/m)
Above 1000	74	54

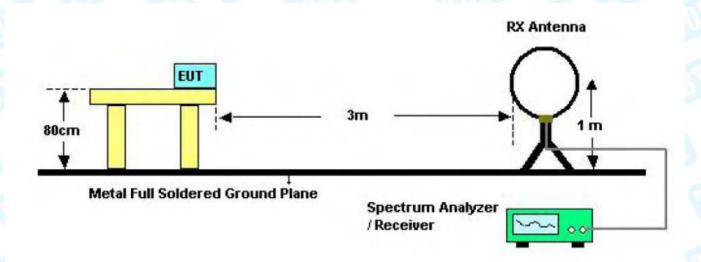
Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission Level (dBuV/m)=20log Emission Level(uV/m)

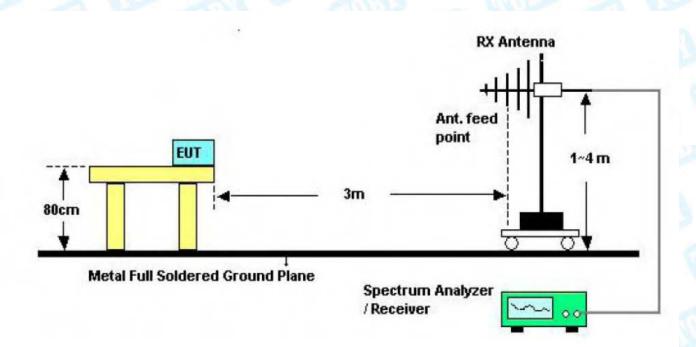


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5.2 Test Setup



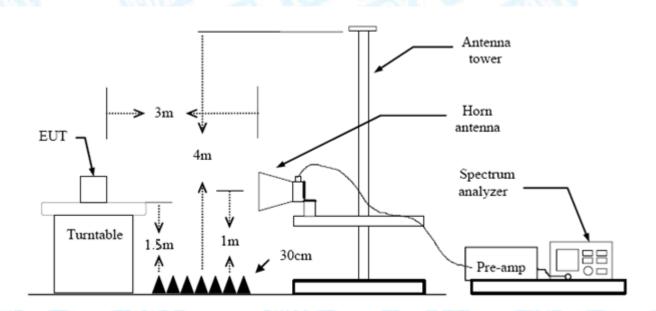
Below 30MHz Test Setup



Below 1000MHz Test Setup



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Above 1GHz Test Setup

5.3 Test Procedure

- (1) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (2) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (3) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (4) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (5) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (6) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (7) For the actual test configuration, please see the test setup photo.



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5.4 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

5.5 Test Data

Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

Test data please refer the following pages.



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9 KHz~30 MHz

From 9 KHz to 30 MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB

below the permissible value has no need to be reported.

30MHz~1GHz

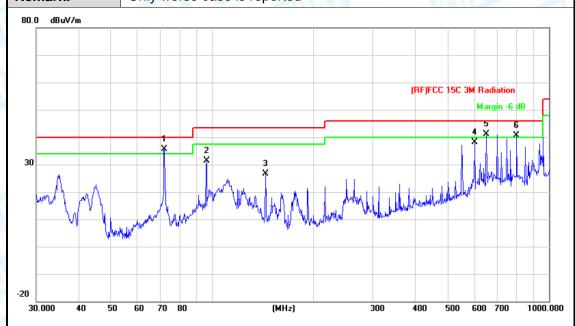
EUT:				DVF	?			Model:		C1	
Гетр	erat	ure:		25 °	Č.	* 11.77		Relative	Humidity	/: 55°	%
Test V	/olta	age:		AC '	120	V/60 Hz		ر دوا	$\sim \chi$		
Ant. P	ol.			Hori	zon	ıtal		Total N	33		
Test N	/lod	e:		TX E	3 M	ode 2412N	1Hz	1 12	- A		
Rema	rk:			Only	/ WC	orse case is	s reported		180		
30	dBuV∕		h with early	n descriptions	1 X	and the second of the second o	~~\\\	2 X X	(RF)FCC 1!	5C 3M Radiati	
-20 30.00	0	40	50	60	70	80	(MHz)	300	400 50	00 600 70	0 1000.0
	No.	Mk.	F	- req		Reading Level	Correct Factor	Measure- ment	Limit	Over	
			1	MHz		dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
			71.	831	9	51.24	-23.63	27.61	40.00	-12.39	peak
1			250	.301	11	40.72	-17.69	23.03	46.00	-22.97	peak
2				031	18	40.63	-13.41	27.22	46.00	-18.78	peak
			383	.95					40.00	40.50	
2				.947	79	44.92	-9.50	35.42	46.00	-10.58	peak
3			550			44.92 46.40	-9.50 -8.67	35.42 37.73	46.00	-10.58 -8.27	peak peak

^{*:}Maximum data x:Over limit !:over margin



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EUT:	DVR	Model:	C1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		THIS -
Ant. Pol.	Vertical		THE STATE OF
Test Mode:	TX B Mode 2412MHz	E CITE OF	13 By
Remark:	Only worse case is reported	0.0	CO.



N	o. Mk	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	72.0841	59.13	-23.61	35.52	40.00	-4.48	peak
2		96.0986	53.50	-22.20	31.30	43.50	-12.20	peak
3		143.8294	48.21	-21.51	26.70	43.50	-16.80	peak
4		601.4265	46.92	-8.67	38.25	46.00	-7.75	peak
5	į	651.9416	49.03	-7.78	41.25	46.00	-4.75	peak
6	į	801.7862	45.82	-5.27	40.55	46.00	-5.45	peak

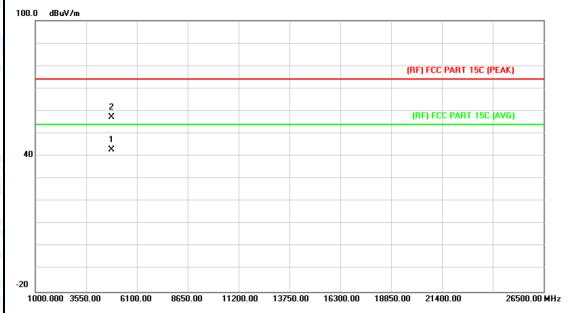
^{*:}Maximum data x:Over limit !:over margin



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Above 1GHz

EUT:	DVR Model: C1					
Temperature:	25 °C Relative Humidity: 55%					
Test Voltage:	DC 3.7 V					
Ant. Pol.	Horizontal					
Test Mode:	TX B Mode 2412MHz		2011			
Remark:	No report for the emission which limit.	ch more than 10 dB bel	ow the prescribed			

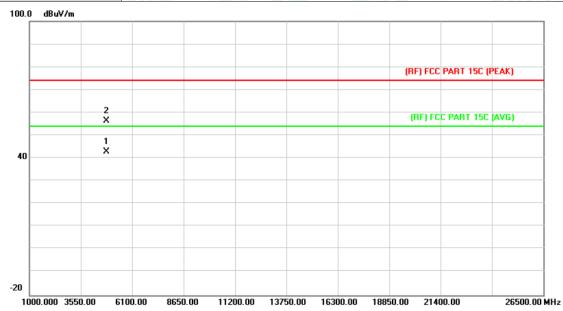


No	o. Mk	. Freq.			Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.040	29.23	13.56	42.79	54.00	-11.21	AVG
2		4823.538	43.75	13.56	57.31	74.00	-16.69	peak



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DVR	Model:	C1				
25 ℃	25 °C Relative Humidity: 55%					
DC 3.7 V		111100				
Vertical		1100				
TX B Mode 2412MHz						
No report for the emission which more than 10 dB below the						
prescribed limit.						
	25 °C DC 3.7 V Vertical TX B Mode 2412MHz No report for the emission which	25 °C Relative Humidity: DC 3.7 V Vertical TX B Mode 2412MHz No report for the emission which more than 10 dB bel				

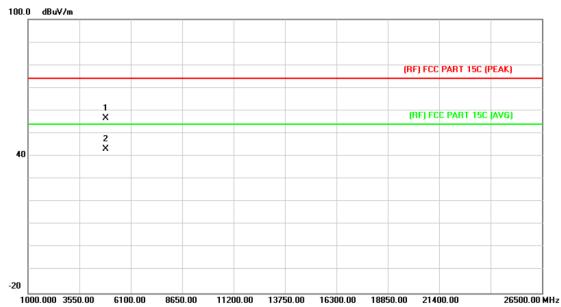


No	o. Mk	c. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.836	29.17	13.56	42.73	54.00	-11.27	AVG
2		4824.082	42.89	13.56	56.45	74.00	-17.55	peak



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EUT:	DVR	Model:	C1				
Temperature:	25 ℃	25 °C Relative Humidity: 55%					
Test Voltage:	DC 3.7 V	1813 T. G	MIDS				
Ant. Pol.	Horizontal		Times .				
Test Mode:	TX B Mode 2437MHz	- MILLS	CJ 132				
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.						



No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.374	42.89	13.86	56.75	74.00	-17.25	peak
2	*	4873.928	29.32	13.86	43.18	54.00	-10.82	AVG



Page: 26 of 91

EUT:	DVR	Model:	C1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7 V	CAR C					
Ant. Pol.	Vertical		Hills:				
Test Mode:	TX B Mode 2437MHz	CALLES -	J 120				
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.						

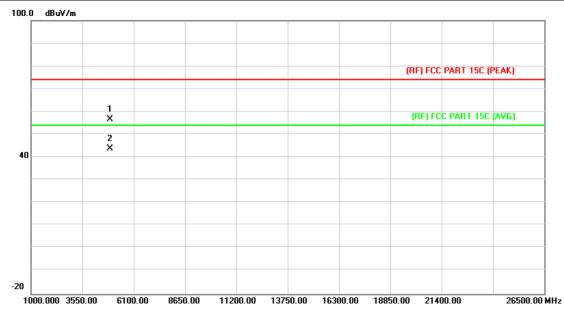


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.080	43.39	13.86	57.25	74.00	-16.75	peak
2	*	4874.434	29.37	13.86	43.23	54.00	-10.77	AVG



Page: 27 of 91

EUT:	DVR	Model:	C1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7 V					
Ant. Pol.	Horizontal		1100			
Test Mode:	TX B Mode 2462MHz		CI PIL			
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					



No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.556	42.40	14.15	56.55	74.00	-17.45	peak
2	*	4924.778	29.67	14.15	43.82	54.00	-10.18	AVG



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EUT:	DVR	Model:	C1			
Temperature:	25 ℃	25 ℃ Relative Humidity: 55%				
Test Voltage:	DC 3.7 V		100			
Ant. Pol.	Vertical		100			
Test Mode:	TX B Mode 2462MHz		a W			
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					



No	. Mk	. Freq.			Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.168	43.46	14.15	57.61	74.00	-16.39	peak
2	*	4924.718	29.66	14.15	43.81	54.00	-10.19	AVG



Page: 29 of 91

EUT:	DVR	Model:	C1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7 V						
Ant. Pol.	Horizontal		The same				
Test Mode:	TX G Mode 2412MHz	CHILLIAN -	9 B				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						

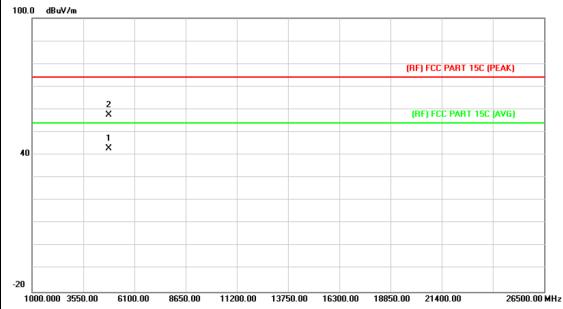


N	o. M	k. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.242	29.21	13.56	42.77	54.00	-11.23	AVG
2		4824.956	43.96	13.56	57.52	74.00	-16.48	peak



Page: 30 of 91

EUT:	DVR	Model:	C1				
Temperature:	25 ℃	Relative Humidity: 55%					
Test Voltage:	DC 3.7 V	DC 3.7 V					
Ant. Pol.	Vertical		TITLE .				
Test Mode:	TX G Mode 2412MHz	THE PARTY OF	J. 12				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						

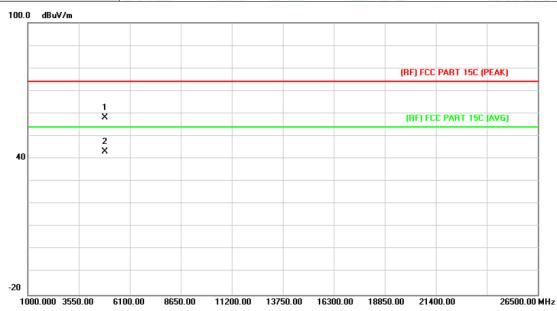


N	0.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	ŧ	4824.156	29.18	13.56	42.74	54.00	-11.26	AVG
2			4824.188	43.89	13.56	57.45	74.00	-16.55	peak



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EUT:	DVR	Model:	C1					
Temperature:	25 ℃	Relative Humidity: 55%						
Test Voltage:	DC 3.7 V	DC 3.7 V						
Ant. Pol.	Horizontal		Hills:					
Test Mode:	TX G Mode 2437MHz	THE PARTY OF	J 120					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.							

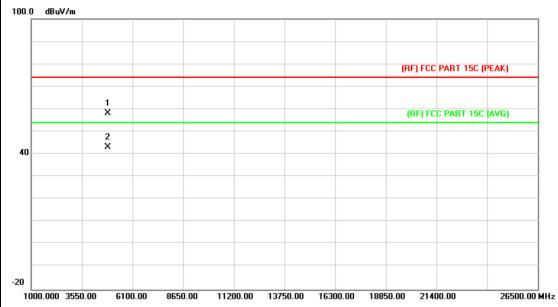


No	o. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.444	44.25	13.86	58.11	74.00	-15.89	peak
2	*	4874.554	29.35	13.86	43.21	54.00	-10.79	AVG



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EUT:	DVR	Model:	C1					
Temperature:	25 ℃ Relative Humidity: 55%							
Test Voltage:	DC 3.7 V	DC 3.7 V						
Ant. Pol.	Vertical		Time.					
Test Mode:	TX G Mode 2437MHz	HIII .	J. 17.					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.							

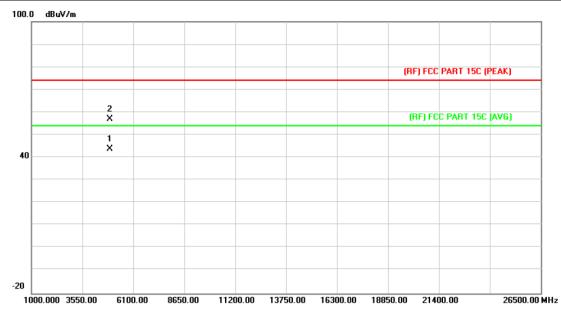


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.680	44.39	13.86	58.25	74.00	-15.75	peak
2	*	4874.838	29.37	13.86	43.23	54.00	-10.77	AVG



Page: 33 of 91

DVR	Model:	C1					
25 ℃	Relative Humidity: 55%						
DC 3.7 V	DC 3.7 V						
Horizontal		1100					
TX G Mode 2462MHz		O Br					
No report for the emission which more than 10 dB below the prescribed limit.							
	25 °C DC 3.7 V Horizontal TX G Mode 2462MHz No report for the emission where the emis	25 °C Relative Humidity: DC 3.7 V Horizontal TX G Mode 2462MHz No report for the emission which more than 10 dB belo					



No	٥.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4924.516	29.68	14.15	43.83	54.00	-10.17	AVG
2			4924.538	42.92	14.15	57.07	74.00	-16.93	peak



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EUT:	DVR	Model:	C1			
Temperature:	25 ℃	Relative Humidity: 55%				
Test Voltage:	DC 3.7 V		1100			
Ant. Pol.	Vertical		100			
Test Mode:	TX G Mode 2462MHz		A 12			
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					

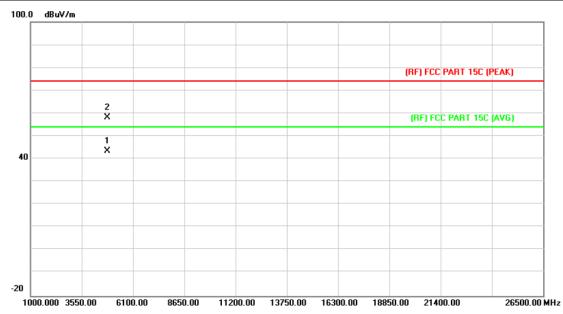


No	. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4924.554	43.85	14.15	58.00	74.00	-16.00	peak
2	*	4924.720	29.65	14.15	43.80	54.00	-10.20	AVG



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DVR	Model:	C1					
25 ℃	Relative Humidity: 55%						
DC 3.7 V	DC 3.7 V						
Horizontal		Time:					
TX N(HT20) Mode 2412MHz	CALL DE	CJ 8300					
No report for the emission which more than 10 dB below the							
prescribed limit.							
	25 ℃ DC 3.7 V Horizontal TX N(HT20) Mode 2412MHz No report for the emission which	25 °C Relative Humidity: DC 3.7 V Horizontal TX N(HT20) Mode 2412MHz No report for the emission which more than 10 dB below					



No.	Mk.	. Freq.			Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.738	29.83	13.56	43.39	54.00	-10.61	AVG
2		4824.164	44.72	13.56	58.28	74.00	-15.72	peak



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EUT:	DVR	Model:	C1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7 V					
Ant. Pol.	Vertical					
Test Mode:	TX N(HT20) Mode 2412MHz					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					



No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.312	42.78	13.56	56.34	74.00	-17.66	peak
2	*	4823.888	29.96	13.56	43.52	54.00	-10.48	AVG



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EUT:	DVR	Model:	C1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7 V					
Ant. Pol.	Horizontal		Time:			
Test Mode:	TX N(HT20) Mode 2437MHz	- Ullin	CJ 8300			
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					

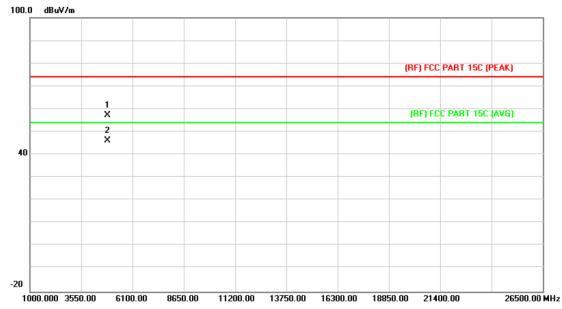


No	o. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.682	41.13	13.86	54.99	74.00	-19.01	peak
2	*	4874.516	29.36	13.86	43.22	54.00	-10.78	AVG



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EUT:	DVR	Model:	C1				
Temperature:	25 ℃	55%					
Test Voltage:	DC 3.7 V	DC 3.7 V					
Ant. Pol.	Vertical		THE STATE OF				
Test Mode:	TX N(HT20) Mode 2437MHz	CONT.	C 130				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						



No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.442	43.53	13.86	57.39	74.00	-16.61	peak
2	*	4874.720	32.21	13.86	46.07	54.00	-7.93	AVG



Page: 39 of 91

EUT:	DVR	Model:	C1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7 V						
Ant. Pol.	Horizontal		Time.				
Test Mode:	TX N(HT20) Mode 2462MHz	THE PERSON NAMED IN	43 Br				
Remark:	No report for the emission which more than 10 dB below the prescribed						
	limit.						

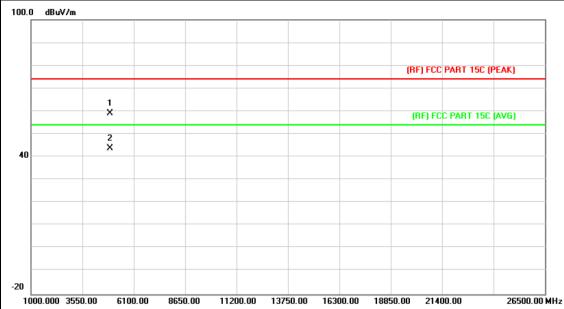


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.278	43.43	14.15	57.58	74.00	-16.42	peak
2	*	4924.708	29.62	14.15	43.77	54.00	-10.23	AVG



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EUT:	DVR	Model:	C1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7 V						
Ant. Pol.	Vertical		100				
Test Mode:	TX N(HT20) Mode 2462MHz	WILLS .	43 B				
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.						

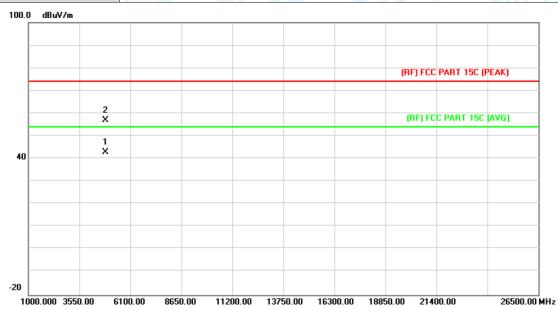


N	o. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4924.142	44.78	14.15	58.93	74.00	-15.07	peak
2	*	4924.374	29.66	14.15	43.81	54.00	-10.19	AVG



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DVR	Model:	C1				
25 ℃	Relative Humidity: 55%					
DC 3.7 V	DC 3.7 V					
Horizontal						
TX N(HT40) Mode 2422MHz	- CILLE	4 B				
No report for the emission which more than 10 dB below the prescribed limit.						
	25 ℃ DC 3.7 V Horizontal TX N(HT40) Mode 2422MHz No report for the emission which	25 °C Relative Humidity: DC 3.7 V Horizontal TX N(HT40) Mode 2422MHz No report for the emission which more than 10 dB below				

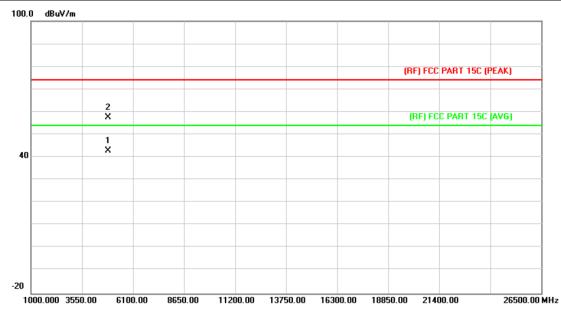


N	0.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	4	k	4843.200	29.31	13.68	42.99	54.00	-11.01	AVG
2			4843.476	43.16	13.68	56.84	74.00	-17.16	peak



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EUT:	DVR	Model:	C1					
Temperature:	25 ℃	5 °C Relative Humidity: 55%						
Test Voltage:	DC 3.7 V	DC 3.7 V						
Ant. Pol.	Vertical		TIME .					
Test Mode:	TX N(HT40) Mode 2422MHz	- GIVE	a W					
Remark:	No report for the emission whi	No report for the emission which more than 10 dB below the						
	prescribed limit.							
	prescribed limit.							



N	o. M	lk.	Freq.	_		Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4	1843.768	29.31	13.68	42.99	54.00	-11.01	AVG
2		4	1844.928	43.80	13.68	57.48	74.00	-16.52	peak



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EUT:	DVR	OVR Model:				
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7 V					
Ant. Pol.	Horizontal		100			
Test Mode:	TX N(HT40) Mode 2437MHz	- CILLIA	CI ATT			
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					



No	. Mk	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.012	43.41	13.86	57.27	74.00	-16.73	peak
2	*	4874.354	29.36	13.86	43.22	54.00	-10.78	AVG



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EUT:	DVR	Model: C1				
Temperature:	25 ℃	Relative Humidity: 55%				
Test Voltage:	DC 3.7 V		May			
Ant. Pol.	Vertical		THE STATE OF			
Test Mode:	TX N(HT40) Mode 2437MHz	THE PARTY OF	43 B			
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					



No	o. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.682	41.13	13.86	54.99	74.00	-19.01	peak
2	*	4874.516	29.36	13.86	43.22	54.00	-10.78	AVG



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EUT:	DVR	Model:	C1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7 V					
Ant. Pol.	Horizontal		1100			
Test Mode:	TX N(HT40) Mode 2452MHz	GILLER	CJ 122			
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					

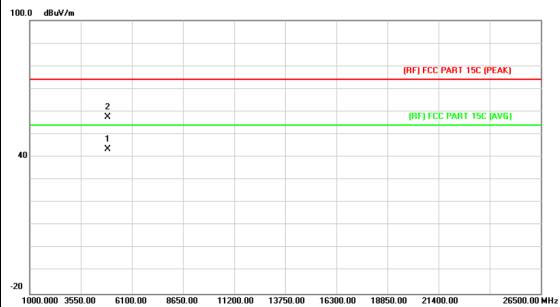


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4903.130	43.82	14.03	57.85	74.00	-16.15	peak
2	*	4904.586	29.32	14.03	43.35	54.00	-10.65	AVG



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EUT:	DVR	Model:	C1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7 V		1100			
Ant. Pol.	Vertical					
Test Mode:	TX N(HT40) Mode 2452MHz	CHILL	J 120			
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					



N	lo. I	Иk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*		4903.788	29.36	14.03	43.39	54.00	-10.61	AVG
2			4903.878	43.66	14.03	57.69	74.00	-16.31	peak



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6. Restricted Bands Requirement

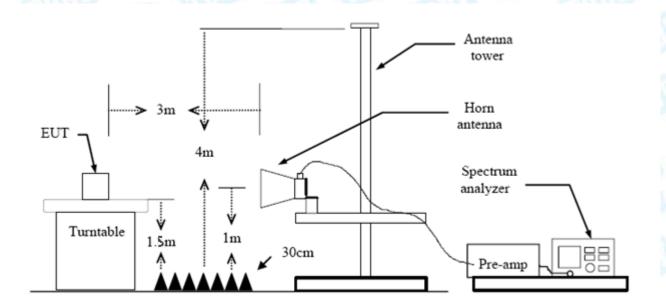
6.1 Test Standard and Limit

6.1.1 Test Standard FCC Part 15.209 FCC Part 15.205

6.1.2 Test Limit

Restricted Frequency	Distance Me	eters(at 3m)
Band (MHz)	Peak (dBuV/m)	Average (dBuV/m)
2310 ~2390	74	54
2483.5 ~2500	74	54

6.2 Test Setup

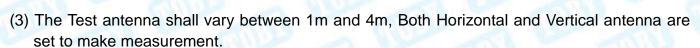


6.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.



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- (4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.

6.4 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

6.5 Test Data

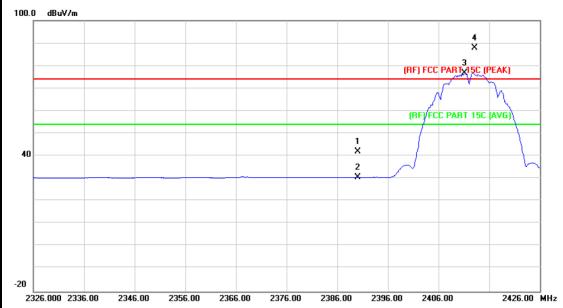
Please see the next page.



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(1) Radiation Test

EUT:	DVR	Model:	C1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7 V		1111
Ant. Pol.	Horizontal	all Direction	- 13V
Test Mode:	TX B Mode 2412MHz	The same	(4:1)
Remark:	N/A		

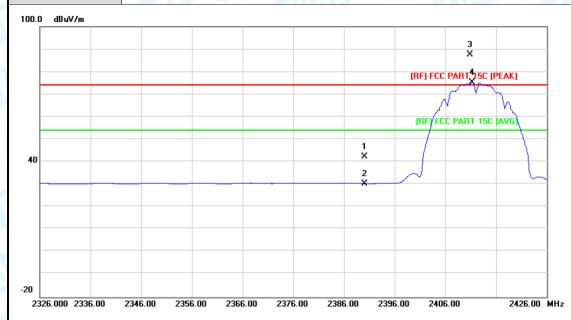


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	41.24	0.77	42.01	74.00	-31.99	peak
2		2390.000	29.77	0.77	30.54	54.00	-23.46	AVG
3	*	2411.200	75.85	0.86	76.71	Fundamental	Frequency	AVG
4	X	2413.100	87.05	0.86	87.91	Fundamental	Frequency	peak



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EUT:	DVR	Model:	C1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7 V	77 T	1100
Ant. Pol.	Vertical		TIME .
Test Mode:	TX B Mode 2412MHz	THE PARTY OF	3 Fr
Remark:	N/A	AL TO THE REAL PROPERTY OF THE PERTY OF THE	



	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1			2390.000	41.49	0.77	42.26	74.00	-31.74	peak
2			2390.000	29.59	0.77	30.36	54.00	-23.64	AVG
3		X	2410.900	86.70	0.86	87.56	Fundamental	Frequency	peak
4		*	2411.300	74.42	0.86	75.28	Fundamental	Frequency	AVG



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EUT:	DVR Model:		C1		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	DC 3.7 V				
Ant. Pol.	Horizontal		TIME .		
Test Mode: TX B Mode 2462MHz					
Remark:	N/A				

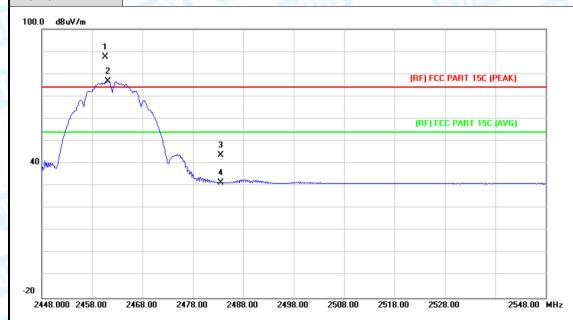


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2462.700	76.69	1.08	77.77	Fundamental	Frequency	AVG
2	Χ	2463.000	88.38	1.08	89.46	Fundamental	Frequency	peak
3		2483.500	40.61	1.17	41.78	74.00	-32.22	peak
4		2483.500	29.95	1.17	31.12	54.00	-22.88	AVG



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EUT:	DVR	Model:	C1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7 V		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2462MHz		S AND
Remark:	N/A		13:12

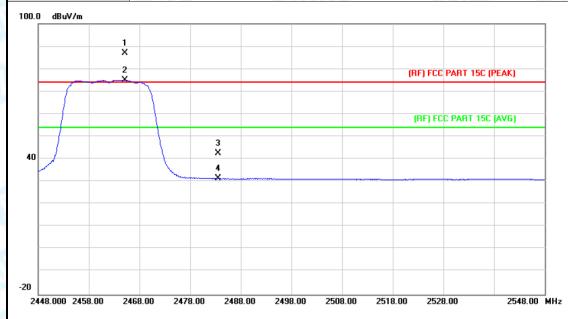


No. Mk.		Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		Χ	2460.600	86.43	1.06	87.49	Fundamental	Frequency	peak
2		*	2461.200	75.67	1.07	76.74	Fundamental	Frequency	AVG
3			2483.500	42.61	1.17	43.78	74.00	-30.22	peak
4			2483.500	30.29	1.17	31.46	54.00	-22.54	AVG



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EUT:	DVR	Model:	C1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7 V		MD ST
Ant. Pol.	Horizontal		Times .
Test Mode:	TX G Mode 2412MHz		J. 122
Remark:	N/A	000	

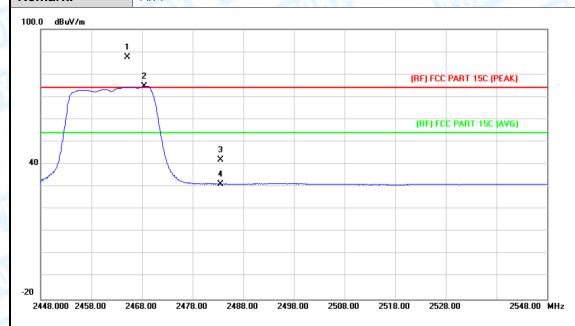


No. Mk. Fr		. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2465.100	85.90	1.09	86.99	Fundamental Frequency		peak
2	*	2465.200	73.90	1.09	74.99	Fundamental Frequency		AVG
3		2483.500	41.32	1.17	42.49	74.00	-31.51	peak
4		2483.500	30.21	1.17	31.38	54.00	-22.62	AVG



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EUT:	DVR	Model:	C1		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	est Voltage: DC 3.7 V				
Ant. Pol.	Vertical		TIME .		
Test Mode:	TX G Mode 2412MHz		J. 12		
Remark:	N/A	0.11			

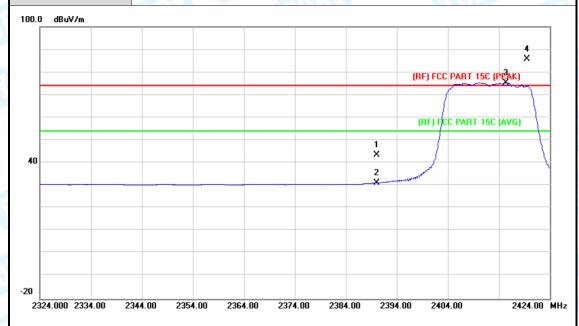


1	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		X	2465.200	86.57	1.09	87.66	Fundamenta	l Frequency	peak
2		*	2468.500	73.56	1.11	74.67	Fundamenta	I Frequency	AVG
3			2483.500	40.72	1.17	41.89	74.00	-32.11	peak
4			2483.500	30.09	1.17	31.26	54.00	-22.74	AVG



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EUT:	DVR	Model:	C1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7 V		1
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2462MHz	E GILLE	J 120
Remark:	N/A	600	

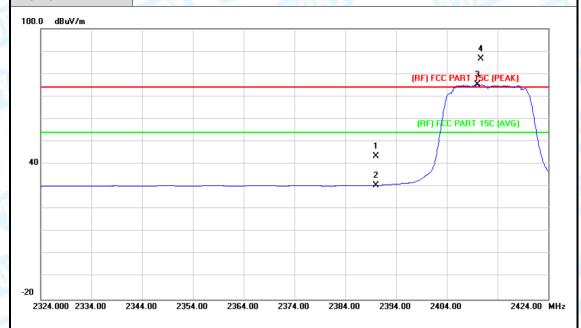


١	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1			2390.000	42.59	0.77	43.36	74.00	-30.64	peak
2			2390.000	30.39	0.77	31.16	54.00	-22.84	AVG
3		*	2415.400	74.42	0.88	75.30	Fundamental Frequency		AVG
4		X	2419.500	84.79	0.89	85.68	Fundament	al Frequency	peak



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EUT:	DVR	Model:	C1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7 V		11173
Ant. Pol.	Vertical		1100
Test Mode:	TX G Mode 2462MHz		CI 1300
Remark:	N/A	ON THE REAL PROPERTY.	1:30

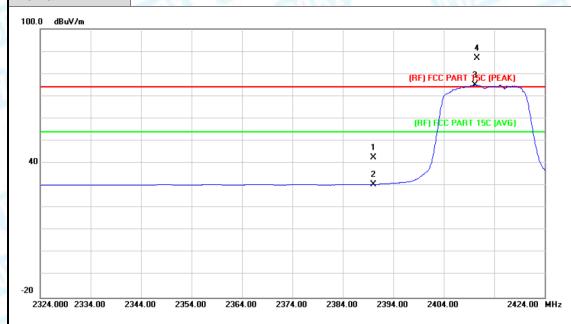


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	42.58	0.77	43.35	74.00	-30.65	peak
2		2390.000	29.75	0.77	30.52	54.00	-23.48	AVG
3	*	2410.000	74.40	0.85	75.25	Fundamental Frequency		AVG
4	Χ	2410.689	85.73	0.86	86.59	Fundamental	Frequency	peak



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EUT:	DVR	Model:	C1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7 V		11/10/21
Ant. Pol.	Horizontal		1000
Test Mode:	TX N(HT20) Mode 2412MHz		4 Am
Remark:	N/A	ALL STORY	

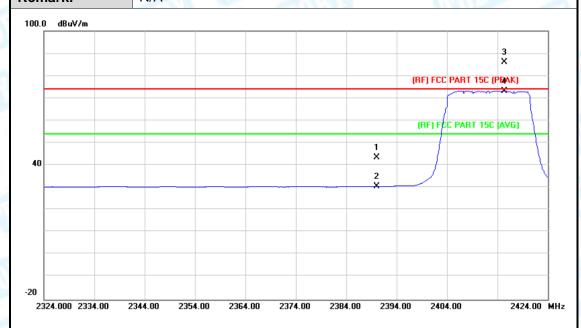


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	41.65	0.77	42.42	74.00	-31.58	peak
2		2390.000	29.78	0.77	30.55	54.00	-23.45	AVG
3	*	2410.200	74.09	0.85	74.94	Fundamental Frequency		AVG
4	Χ	2410.665	86.11	0.86	86.97	Fundamental Frequency		peak



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EUT:	DVR	Model:	C1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7 V	DC 3.7 V					
Ant. Pol.	Vertical		Times .				
Test Mode:	TX N(HT20) Mode 2412MHz	TX N(HT20) Mode 2412MHz					
Remark:	N/A	200					

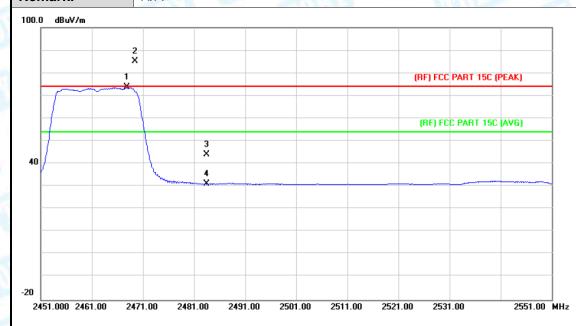


N	lo. I	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1			2390.000	42.75	0.77	43.52	74.00	-30.48	peak
2			2390.000	29.69	0.77	30.46	54.00	-23.54	AVG
3)	X	2415.400	85.25	0.88	86.13	Fundamental Frequency		peak
4	*	k	2415.400	72.39	0.88	73.27	Fundamenta	l Frequency	AVG



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EUT:	DVR	Model:	C1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7 V		MID ST				
Ant. Pol.	Horizontal		100				
Test Mode:	TX N(HT20) Mode 2462MHz	TX N(HT20) Mode 2462MHz					
Remark:	N/A	the second					

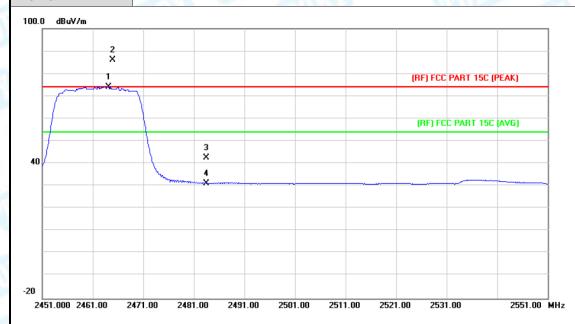


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2467.900	72.53	1.10	73.63	Fundamental Frequency		AVG
2	Χ	2469.400	84.05	1.11	85.16	Fundamental F	requency	peak
3		2483.500	42.75	1.17	43.92	74.00	-30.08	peak
4		2483.500	29.87	1.17	31.04	54.00	-22.96	AVG



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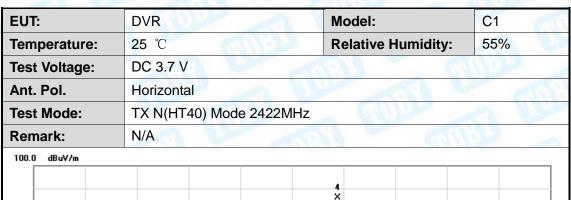
EUT:	DVR	Model:	C1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7 V		1100
Ant. Pol.	Vertical		100
Test Mode:	TX N(HT20) Mode 2462MHz		CI FIN
Remark:	N/A	Mary Mary	

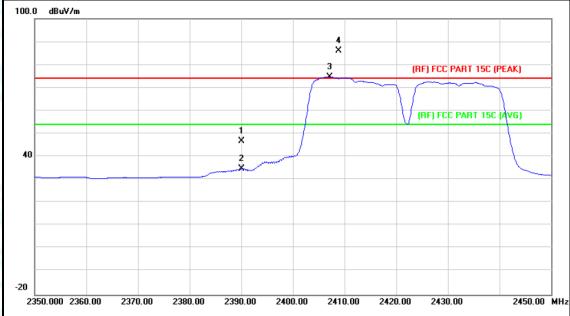


N	lo.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	2464.100	72.91	1.08	73.99	Fundamental Frequency		AVG
2		X	2464.900	84.92	1.09	86.01	Fundamenta	Frequency	peak
3			2483.500	41.39	1.17	42.56	74.00	-31.44	peak
4			2483.500	29.96	1.17	31.13	54.00	-22.87	AVG



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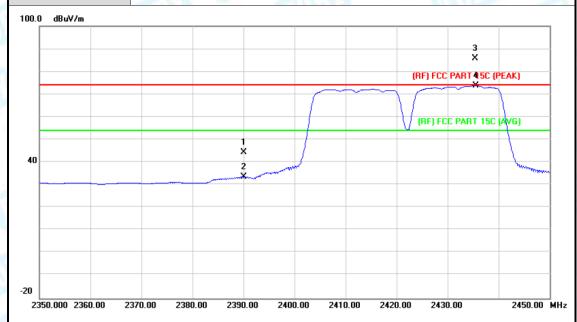


No.	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	46.06	0.77	46.83	74.00	-27.17	peak
2		2390.000	33.89	0.77	34.66	54.00	-19.34	AVG
3	*	2407.100	73.79	0.85	74.64	Fundamental Frequency		AVG
4	Χ	2408.800	85.06	0.85	85.91	Fundamental Frequency		peak



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EUT:	DVR	Model:	C1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7 V		111100
Ant. Pol.	Vertical		1000
Test Mode:	TX N(HT40) Mode 2422MHz	W/Dr	43 PM
Remark:	N/A		1,30

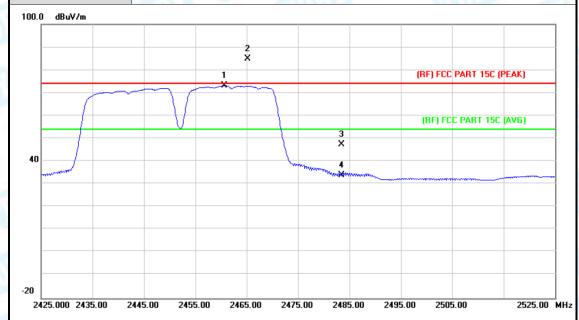


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	43.61	0.77	44.38	74.00	-29.62	peak
2		2390.000	32.81	0.77	33.58	54.00	-20.42	AVG
3	X	2435.400	84.77	0.97	85.74	Fundamental Frequency		peak
4	*	2435.500	72.89	0.97	73.86	Fundamental Frequency		AVG



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EUT:	DVR	Model:	C1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7 V		
Ant. Pol.	Horizontal		100
Test Mode:	TX N(HT40) Mode 2452MHz	GILLER	CI BY
Remark:	N/A		

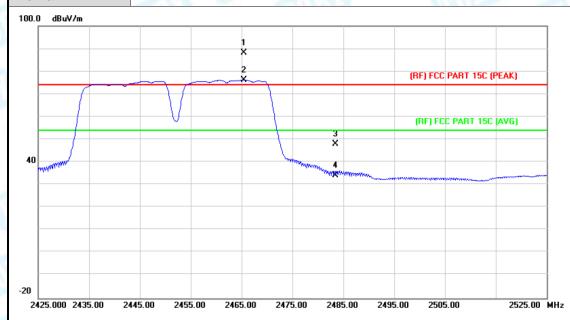


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2460.700	72.01	1.06	73.07	Fundamenta	l Frequency	AVG
2	X	2465.200	83.65	1.09	84.74	Fundamenta	I Frequency	peak
3		2483.500	46.25	1.17	47.42	74.00	-26.58	peak
4		2483.500	32.76	1.17	33.93	54.00	-20.07	AVG



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EUT:	DVR	Model:	C1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7 V		11/10/21
Ant. Pol.	Vertical		1000
Test Mode:	TX N(HT40) Mode 2452MHz		4 Am
Remark:	N/A	The second	



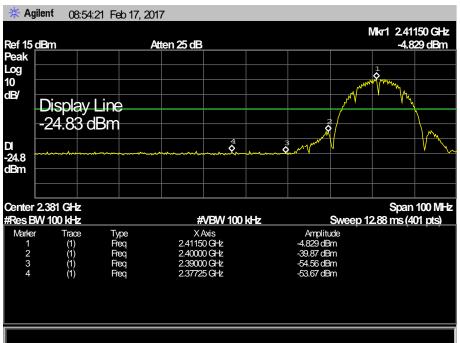
Nc	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2465.400	86.97	1.09	88.06	Fundamental	Frequency	peak
2	*	2465.400	75.21	1.09	76.30	Fundamental	Frequency	AVG
3		2483.500	46.79	1.17	47.96	74.00	-26.04	peak
4		2483.500	33.03	1.17	34.20	54.00	-19.80	AVG

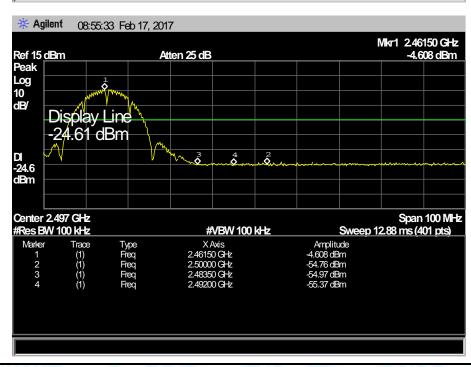


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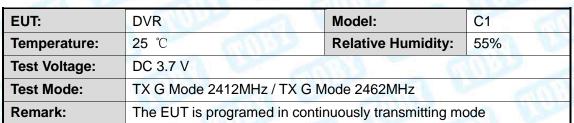
EUT:	DVR	Model:	C1	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	DC 3.7 V			
Test Mode:	TX B Mode 2412MHz / TX B Mode 2462MHz			
Remark:	The EUT is programed in conti	The EUT is programed in continuously transmitting mode		

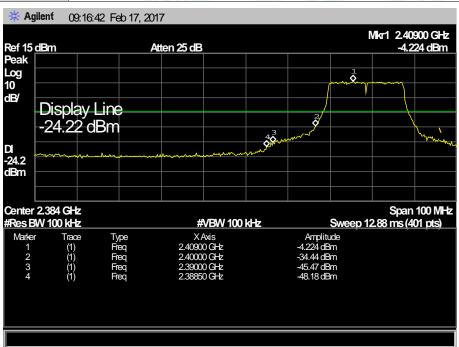


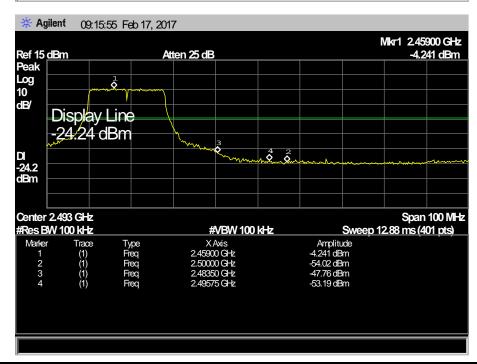




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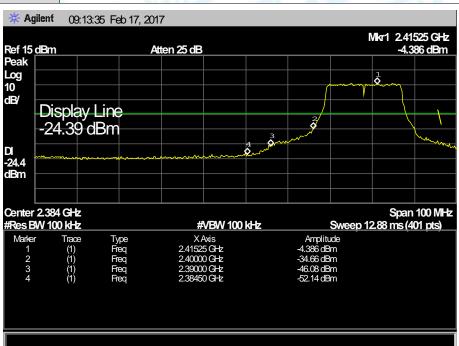


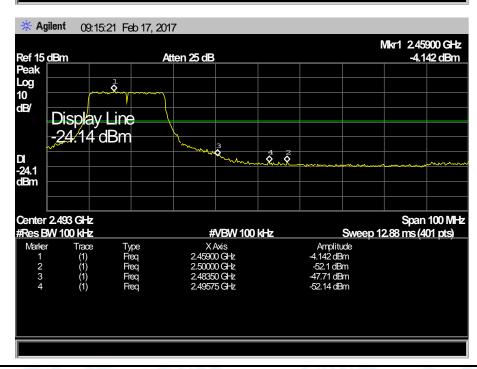




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EUT:	DVR	Model:	C1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7 V		
Test Mode:	TX N(HT20) Mode 2412MHz / TX N(HT20) Mode 2462MHz		
Remark:	The EUT is programed in continu	uously transmitting mod	de

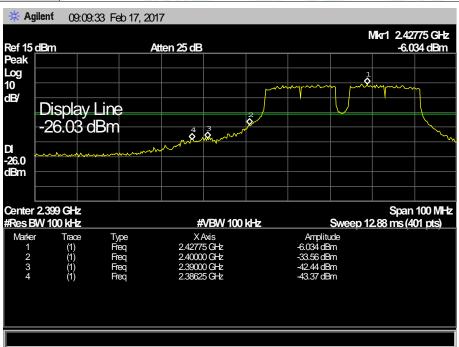


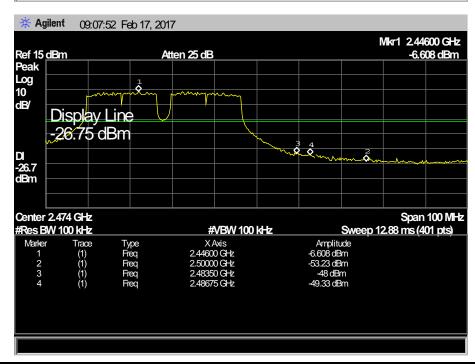




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7. Bandwidth Test

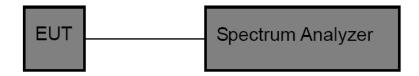
7.1 Test Standard and Limit

7.1.1 Test Standard FCC Part 15.247 (a)(2)

7.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-210					
Test Item	Test Item Limit Frequency Range(MHz				
Bandwidth	>=500 KHz (6dB bandwidth)	2400~2483.5			

7.2 Test Setup



7.3 Test Procedure

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) The bandwidth is measured at an amplitude level reduced 6dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst –case (i.e the widest) bandwidth.
- (3)Measure the channel separation the spectrum analyzer was set to Resolution Bandwidth:100 kHz, and Video Bandwidth:300 kHz, Detector: Peak, Sweep Time set auto.

7.4 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, middle and high channel for the test.



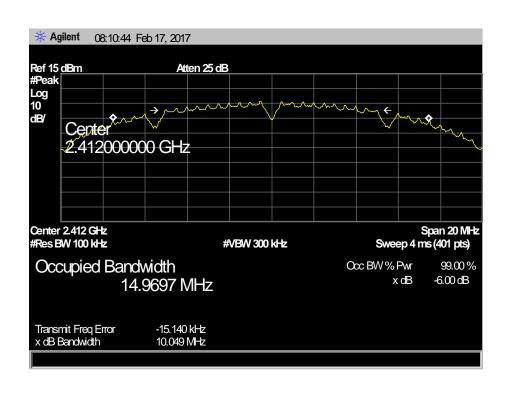
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EUT:	DVR	Model:	C1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7 V		100
Test Mode:	TX 802.11B Mode		
Channel frequence	cy 6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2412	10.049	14.9697	
2437	10.081	14.9405	>=0.5
2462	10.072	14.9163	

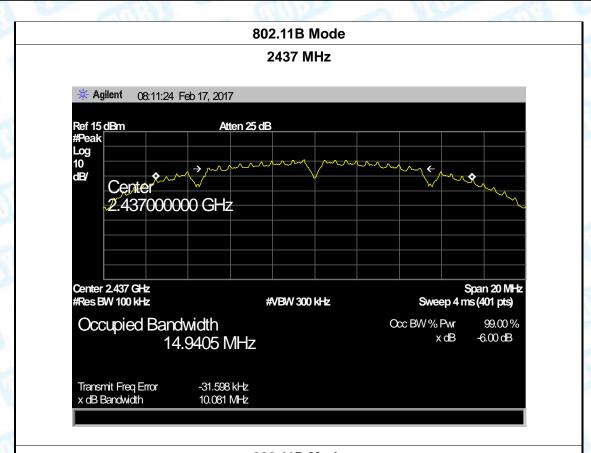
802.11B Mode

2412 MHz



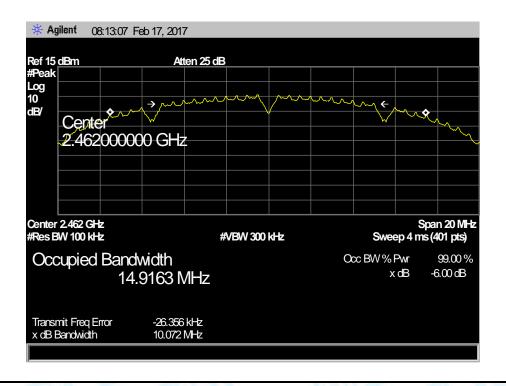


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802.11B Mode

2462 MHz



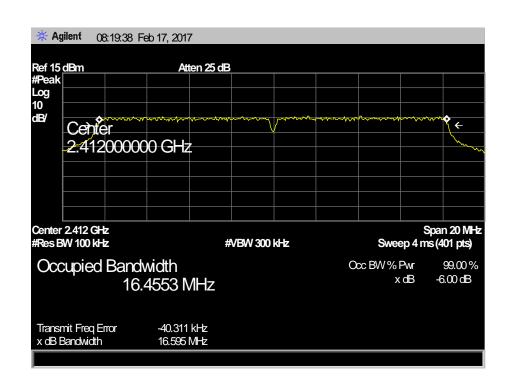


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EUT:	DVF	3	Model:	C1
Temperature:	25	${\mathbb C}$	Relative Humidity:	55%
Test Voltage:	DC	3.7 V		All V
Test Mode:	TX 8	802.11G Mode		All Des
Channel frequency		6dB Bandwidth	99% Bandwidth	Limit
(MHz)		(MHz)	(MHz)	(MHz)
2412		16.595	16.4553	
2437		16.587	16.4513	>=0.5
2462		16.566	16.4458	

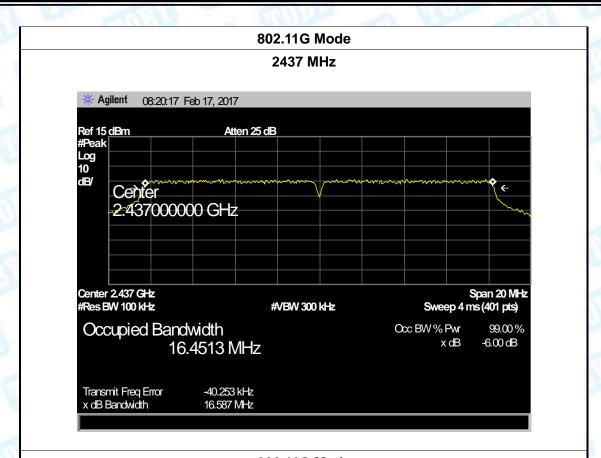
802.11G Mode

2412 MHz

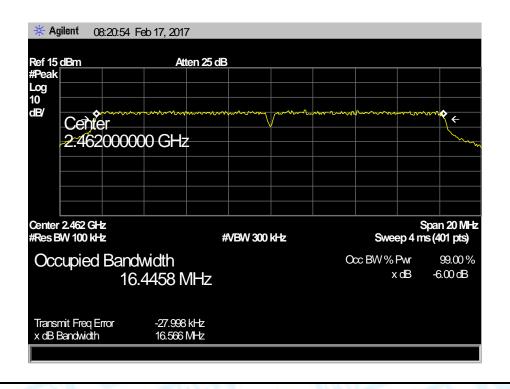




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802.11G Mode



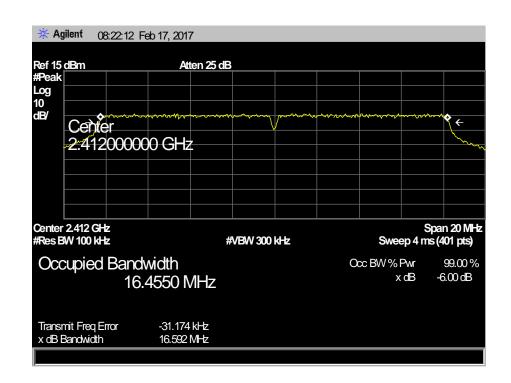


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EUT:	DVR	Model:	C1	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	DC 3.7 V			
Test Mode:	TX 802 11N(HT20) Mode			

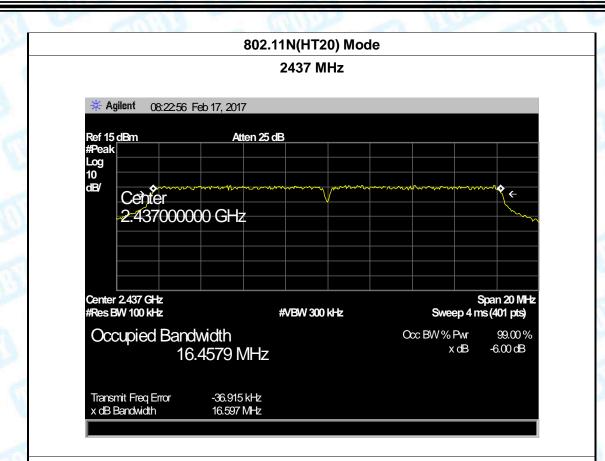
Channel frequency	6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2412	16.592	16.4550	
2437	16.597	16.4579	>=0.5
2462	16.576	16.4447	

802.11N(HT20) Mode

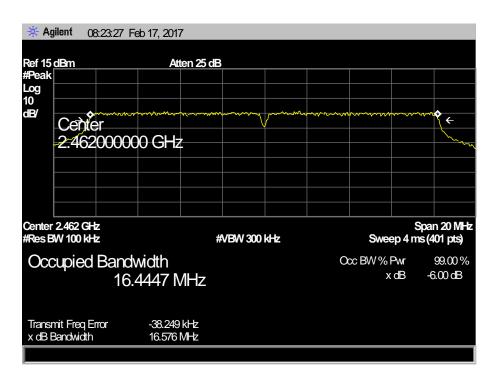




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802.11N(HT20) Mode





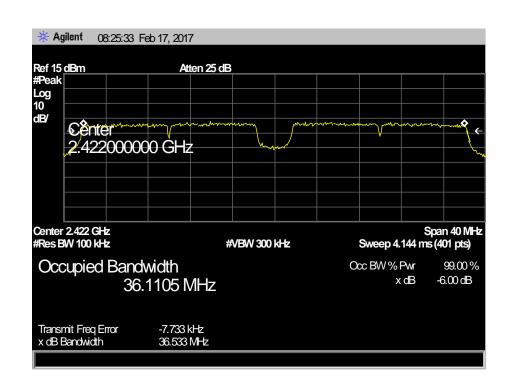
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EUT:	DVR	Model:	C1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7 V		ALL DE

Test Mode: TX 802.11N(HT40) Mode

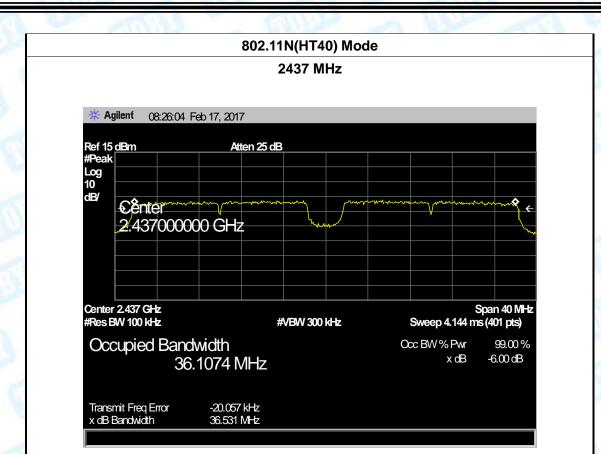
	100=11111(11110)11110		
Channel frequency	6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2422	36.533	36.1105	
2437	36.531	36.1074	>=0.5
2452	36.501	36.0924	

802.11N(HT40) Mode

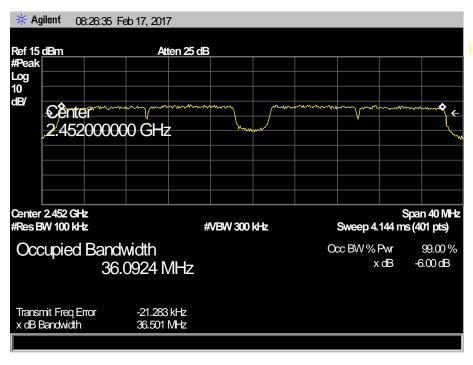




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802.11N(HT40) Mode





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8. Peak Output Power Test

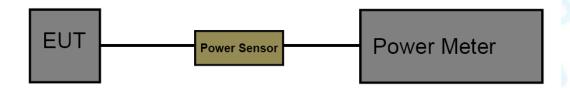
8.1 Test Standard and Limit

8.1.1 Test Standard FCC Part 15.247 (b)

8.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-210			
Test Item Limit Frequency Range(MHz)			
Peak Output Power	1 Watt or 30 dBm	2400~2483.5	

8.2 Test Setup



8.3 Test Procedure

The measurement is according to section 9.1.2 of KDB 558074 D01 DTS Meas Guidance v03r05.

The EUT was connected to RF power meter via a broadband power sensor as show the block above. The power sensor video bandwidth is greater or equal to the DTS bandwidth of the equipment.

8.4 EUT Operating Condition

The EUT was set to continuously transmitting in the max power during the test.



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8.5 Test Data

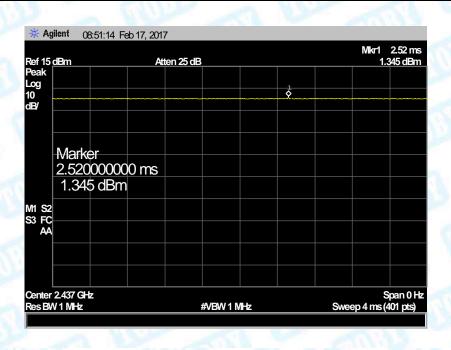
EUT:	DVR	Model:	C1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7 V		6711
Mode	Channel frequency	Test Result	Limit
WIOGE	(MHz)	(dBm)	(dBm)
	2412	9.11	
802.11b	2437	9.15	
	2462	9.07	
802.11g	2412	8.99	
	2437	8.88	
	2462	8.96	30
802.11n	2412	8.27	30
(HT20)	2437	8.36	
(11120)	2462	8.43	
802.11n	2422	8.01	
(HT40)	2437	7.81	
	2452	7.94	
	Result:	PASS	



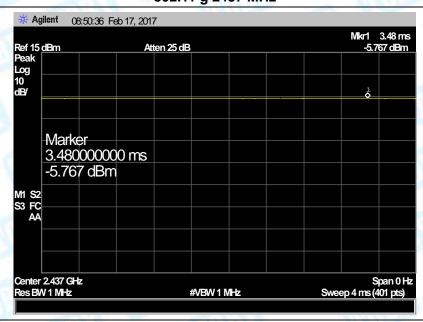
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Test Mode	Duty cycle
802.11 b	
802.11 g	000/
802.11 n(HT20)	>98%
802.11 n(HT40)	
Please see the next plots.	CHILDREN TO HISTORY

802.11 b 2437 MHz

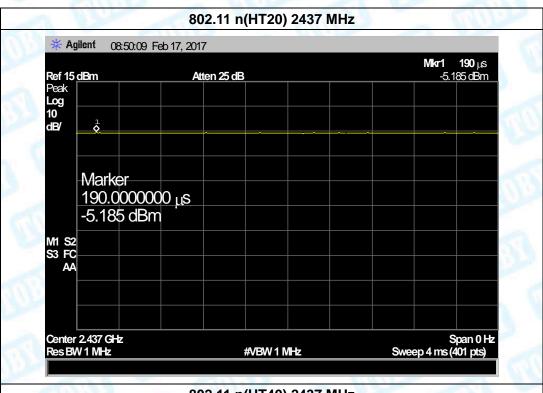


802.11 g 2437 MHz

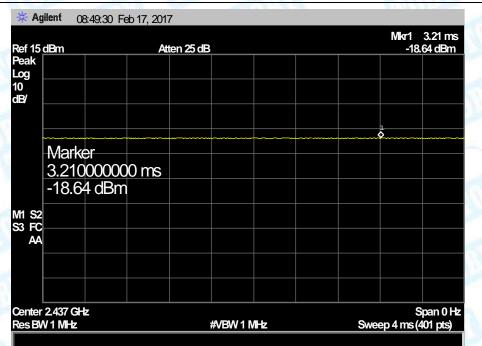




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9. Power Spectral Density Test

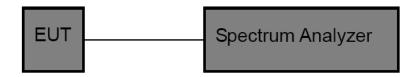
9.1 Test Standard and Limit

9.1.1 Test Standard FCC Part 15.247 (e)

9.1.2 Test Limit

FCC Part 15 Subpart C(15.247)			
Test Item Limit Frequency Range(MHz)			
Power Spectral Density	8dBm(in any 3 kHz)	2400~2483.5	

9.2 Test Setup



9.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v03r05.

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyser center frequency to DTS channel center frequency.
- (3) Set the span to 1.5 times the DTS bandwidth.
- (4) Set the RBW to: 3 kHz(5) Set the VBW to: 10 kHz
- (6) Detector: peak(7) Sweep time: auto
- (8) Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

9.4 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, middle and high channel for the test.



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2412

2437

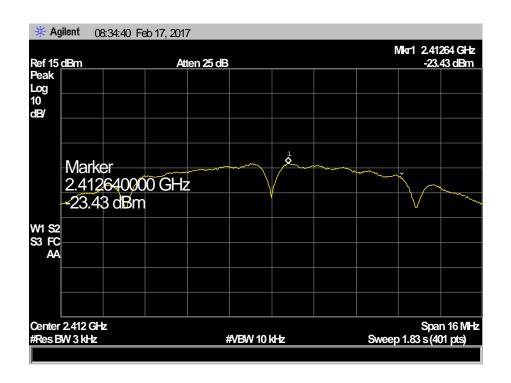
2462

EUT:	DVR		Model:	C1
Temperature:	25 ℃	1 5	Relative Humidity:	55%
Test Voltage:	DC 3.7 V			100
Test Mode:	TX 802.11B Mode			
Channel Frequency Power		ver Density	Limit	
(MHz)		(3	kHz/dBm)	(dBm)

802.11B Mode

-23.43 -23.14

-22.92

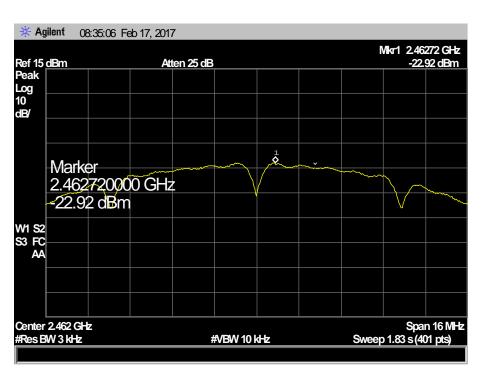




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802.11B Mode





2437

2462

Report No.: TB-FCC151386

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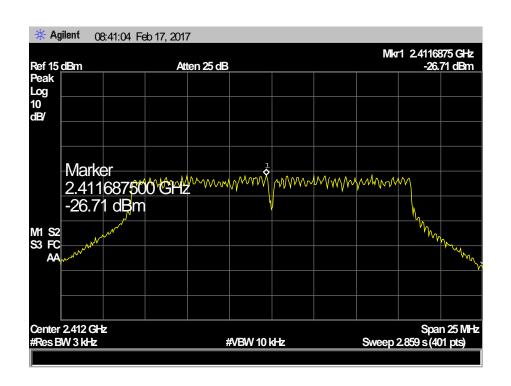
EUT:	DVR	Model:	C1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7 V		CHILD'S
Test Mode:	TX 802.11G Mode	MATTER STATE OF THE PARTY OF TH	

17002:11010	1000	
Channel Frequency	Power Density	Limit
(MHz)	(3 kHz/dBm)	(dBm)
2412	-26.71	

802.11G Mode

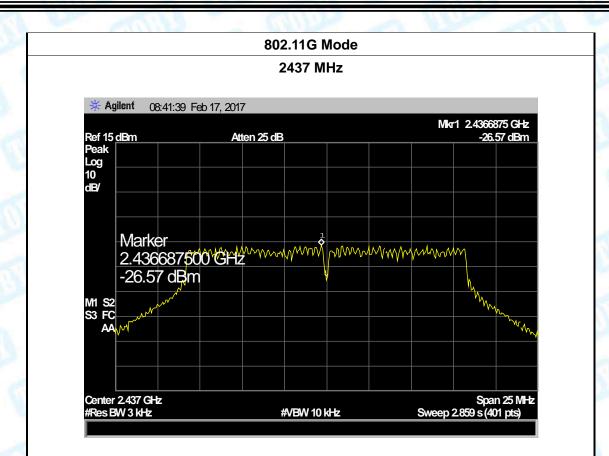
-26.57

-26.48

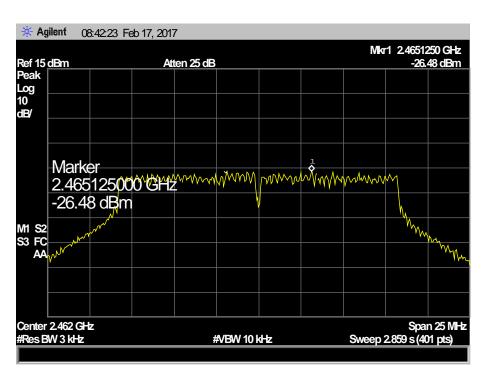




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802.11G Mode





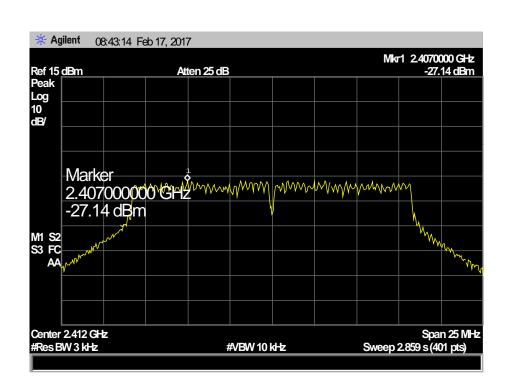
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EUT:	DVR	Model:	C1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7 V	an Plant	WHIP S

Test Mode: TX 802.11N(HT20) Mode

Channel Frequency	Power Density	Limit
(MHz)	(3 kHz/dBm)	(dBm)
2412	-27.14	
2437	-26.96	8
2462	-26.92	

802.11N(HT20) Mode

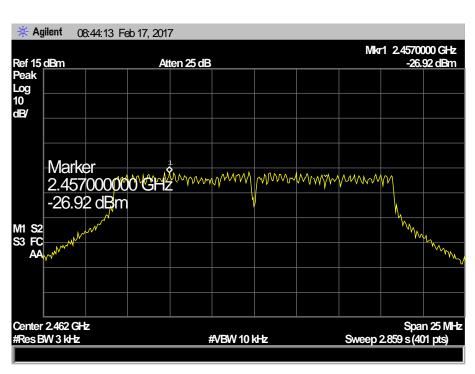




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802.11N(HT20) Mode





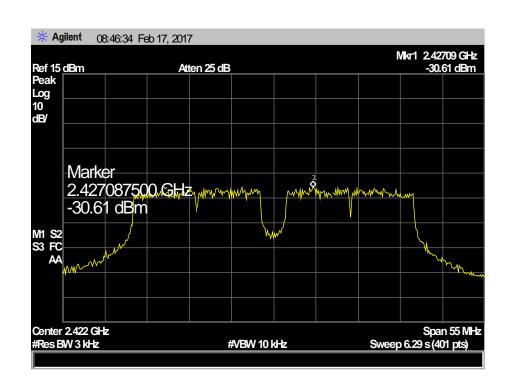
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Temperature:25 ℃Relative Humidity:55%	3
Test Voltage: DC 3.7 V	نے الاو

Test Mode: TX 802.11N(HT40) Mode

Channel Frequency	Power Density	Limit
(MHz)	(3 kHz/dBm)	(dBm)
2422	-30.61	
2437	-30.49	8
2452	-30.45	

802.11N(HT40) Mode

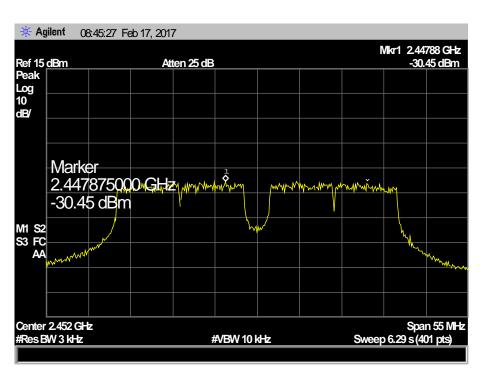




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802.11N(HT40) Mode





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10.1 Standard Requirement

10.1.1 Standard FCC Part 15.203

10.1.2 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.

10.2 Antenna Connected Construction

The directional gains of the antenna used for transmitting is 0.75 dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

Result

The EUT antenna is a FPC Antenna. It complies with the standard requirement.

Antenna Type				
	▶ Permanent attached antenna			
1	□ Unique connector antenna			
MODU	□ Professional installation antenna			

----END OF REPORT----