

RADIO TEST REPORT FCC ID: 2AEZV-ICI156T

Product: DIGITAL ADVERTISEMENT SCREEN

Trade Name: ICI

Model No.: ICI156T

Serial Model: N/A

Report No.: NTEK-2016NT0303816F2

Issue Date: 25 Mar. 2016

Prepared for

ICI TECHNOLOGY SHENZHEN CO., LTD.

2A826,Xinludao Building, Nanshan Street and Guimiao Road,
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Prepared by

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1 TEST RESULT CERTIFICATION

Applicant's name:	ICI Technology Shenzhen Co., Ltd.
Address:	2A826,Xinludao Building, Nanshan Street and Guimiao Road, Nanshan District, Shenzhen, China.
Manufacture's Name:	ICI Technology Shenzhen Co., Ltd.
Address:	2A826,Xinludao Building, Nanshan Street and Guimiao Road, Nanshan District, Shenzhen, China.
Product description	
Product name:	DIGITAL ADVERTISEMENT SCREEN
Model and/or type reference:	ICI156T
Serial Model:	N/A

Measurement Procedure Used:

	Measurement i roccaure oscu.		
APPLICABLE STANDARDS			
STANDARD/ TEST PROCEDURE	TEST RESULT		
FCC 47 CFR Part 2, Subpart J:2015 FCC 47 CFR Part 15, Subpart C:2015 KDB 174176 D01 Line Conducted FAQ v01r01 ANSI C63.10-2013 DA 00-705	Complied		

This device described above has been tested by NTEK Testing Technology Co., Ltd., and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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The test results of this report relate only to the tested sample identified in this report.

Date of Test	· :	03 Mar. 2016 ~ 25 Mar. 2016
Testing Engineer	:	Eileen Wu.
		(Eileen Liu)
Technical Manager	:	Jason chen
		(Jason Chen)
Authorized Signatory	:	San. Chen
		(Sam Chen)



2 SUMMARY OF TEST RESULTS

FCC Part15 (15.247), Subpart C					
Standard Section Test Item Verdict Remark					
15.207	Conducted Emission	PASS			
15.247(c)	Radiated Spurious Emission	PASS			
15.247(a)(1)	Hopping Channel Separation	PASS			
15.247(b)(1)	Peak Output Power	PASS			
15.247(a)(iii)	Number of Hopping Frequency	PASS			
15.247(a)(iii)	Dwell Time	PASS			
15.247(a)(1)	Bandwidth	PASS			
15.205	Band Edge Emission	PASS			
15.203	Antenna Requirement	PASS			

Remark

- 1. "N/A" denotes test is not applicable in this Test Report.
- 2. All test items were verified and recorded according to the standards and without any deviation during the test.
- 3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



3 FACILITIES AND ACCREDITATIONS

3.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen P.R. China

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR Publication 22.

3.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

EMC Lab. : Accredited by CNAS, 2014.09.04

The certificate is valid until 2017.09.03

The Laboratory has been assessed and proved to be in compliance with

CNAS-CL01:2006 (identical to ISO/IEC 17025:2005) The Certificate Registration Number is L5516.

Accredited by FCC, September 6, 2013

The Certificate Registration Number is 238937.

Accredited by Industry Canada, August 29, 2012 The Certificate Registration Number is 9270A-1.

Name of Firm : NTEK Testing Technology Co., Ltd

Site Location : 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang

Street, Bao'an District, Shenzhen P.R. China.

3.3 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y±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 %.

No.	Item	Uncertainty	
1	Conducted Emission Test	±1.38dB	
2	RF power, conducted	±0.16dB	
3	Spurious emissions, conducted	±0.21dB	
4	All emissions, radiated(<1G)	±4.68dB	
5	All emissions, radiated(>1G)	±4.89dB	
6	Temperature	±0.5°C	
7	Humidity	±2%	



4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification				
Equipment	DIGITAL ADVERTISEMENT SCREEN			
Trade Name	ICI			
FCC ID	2AEZV-ICI156T			
Model No.	ICI156T			
Serial Model	N/A			
Model Difference	N/A			
Operating Frequency	2402MHz~2480MHz			
Modulation	GFSK, π/4-DQPSK, 8DPSK			
Number of Channels	79 Channels			
Antenna Type	External Antenna			
Antenna Gain	1 dBi			
	☑DC supply: DC 12V 2A			
Power supply	☐Adapter supply: Model: Input: Output:			
HW Version	N/A			
SW Version	N/A			

Note: Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.



Revision History

Report No.	Version	Description	Issued Date
NTEK-2016NT0303816F2	Rev.01	Initial issue of report	Mar 25, 2016



5 DESCRIPTION OF TEST MODES

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.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Those data rates (1Mbps for GFSK modulation; 2Mbps for $\pi/4$ -DQPSK modulation; 3Mbps for 8DPSK modulation) were used for all test.

The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement –X, Y, and Z-plane. The Y-plane results were found as the worst case and were shown in this report.

Carrier Frequency and Channel list:

Channel	Frequency(MHz)
0	2402
1	2403
39	2441
40	2442
	•••
77	2479
78	2480

Note: $fc=2402MHz+k\times 1MHz$ k=0 to 78

The following summary table is showing all test modes to demonstrate in compliance with the standard.

For AC Conducted Emission	
Final Test Mode Description	
Mode 1	normal link mode

Note: AC power line Conducted Emission was tested under maximum output power.

For Radiated Test Cases		
Final Test Mode	Description	
Mode 2	CH00(2402MHz)	
Mode 3	CH39(2441MHz)	
Mode 4	CH78(2480MHz)	

Note: For radiated test cases, the worst mode data rate 1Mbps was reported only, because this data rate has the highest RF output power at preliminary tests, and no other significantly frequencies found in conducted spurious emission.

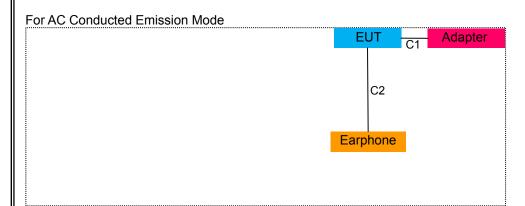
For Conducted Test Cases		
Final Test Mode Description		
Mode 5	CH00(2402MHz)	
Mode 6	CH39(2441MHz)	
Mode 7	CH78(2480MHz)	
Mode 8	Hopping	

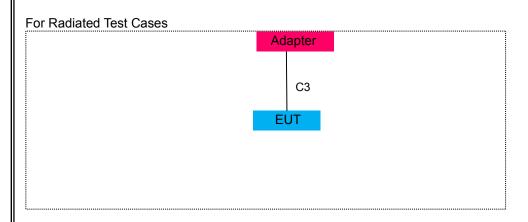
Note: The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode.

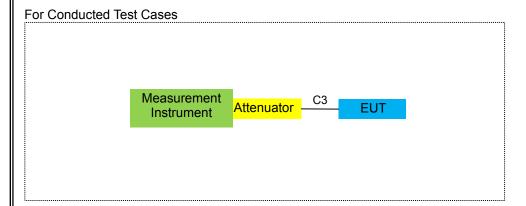


6 SETUP OF EQUIPMENT UNDER TEST

6.1 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM









6.2 SUPPORT EQUIPMENT

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

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Note
E-1	DIGITAL ADVERTISEMENT SCREEN	ICI	ICI156T	2AEZV-ICI156T	EUT
E-2	Adapter	N/A	N/A	N/A	Peripherals
E-3	Earphone	N/A	N/A	N/A	Peripherals
		•			

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	USB Cable	NO	NO	1.0m
C-2	Earphone	NO	NO	0.8m
C-3	RF Cable	NO	NO	0.5m

Notes:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in <code>[Length]</code> column.
- (3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".



6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Agilent	E4407B	MY45108040	2015.07.06	2016.07.05	1 year
2	Test Receiver	R&S	ESPI	101318	2015.06.07	2016.06.06	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2015.07.06	2016.07.05	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	2015.06.07	2016.06.06	1 year
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2015.06.07	2016.06.06	1 year
6	Horn Antenna	EM	EM-AH-1018 0	2011071402	2015.07.06	2016.07.05	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2015.07.06	2016.07.05	1 year
8	Amplifier	EM	EM-30180	060538	2015.07.06	2016.07.05	1 year
9	Loop Antenna	ARA	PLA-1030/B	1029	2015.06.08	2016.06.07	1 year
10	Power Meter	R&S	NRVS	100696	2015.07.06	2016.07.05	1 year
11	Power Sensor	R&S	URV5-Z4	0395.1619.0 5	2015.07.06	2016.07.05	1 year
12	Test Cable	N/A	R-01	N/A	2015.07.06	2016.07.05	1 year
13	Test Cable	N/A	R-02	N/A	2015.07.06	2016.07.05	1 year
14	Test Receiver	R&S	ESCI	101160	2015.06.06	2016.06.05	1 year
15	LISN	R&S	ENV216	101313	2015.08.24	2016.08.23	1 year
16	LISN	EMCO	3816/2	00042990	2015.08.24	2016.08.23	1 year
17	50Ω Coaxial Switch	Anritsu	MP59B	6200264417	2015.06.07	2016.06.06	1 year
18	Passive Voltage Probe	R&S	ESH2-Z3	100196	2015.06.07	2016.06.06	1 year
19	Absorbing clamp	R&S	MOS-21	100423	2015.06.08	2016.06.07	1 year
20	Test Cable	N/A	C01	N/A	2015.06.08	2016.06.07	1 year
21	Test Cable	N/A	C02	N/A	2015.06.08	2016.06.07	1 year
22	Test Cable	N/A	C03	N/A	2015.06.08	2016.06.07	1 year
23	Attenuation	MCE	24-10-34	BN9258	2015.06.08	2016.06.07	1 year

Note: Each piece of equipment is scheduled for calibration once a year.



7 TEST REQUIREMENTS

7.1 CONDUCTED EMISSIONS TEST

7.1.1 Applicable Standard

According to FCC Part 15.207(a) and KDB 174176 D01 Line Conducted FAQ v01r01

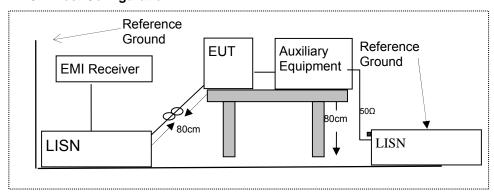
7.1.2 Conformance Limit

Fraguanov(MHz)	Conducted	I Emission Limit	
Frequency(MHz)	Quasi-peak	Average	
0.15-0.5	66-56*	56-46*	
0.5-5.0	56	46	
5.0-30.0	60	50	

Note: 1. *Decreases with the logarithm of the frequency

- 2. The lower limit shall apply at the transition frequencies
- 3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

7.1.3 Test Configuration



7.1.4 Test Procedure

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 Conducted emissions the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.

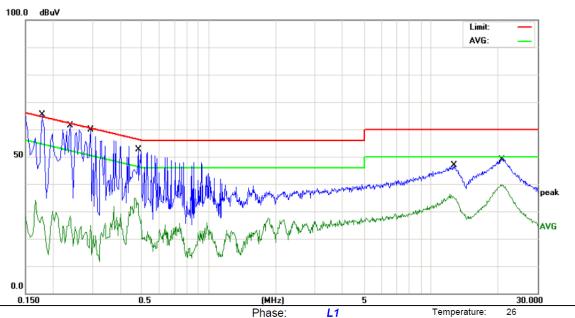
- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room.
- 2. The EUT was placed on a table which is 0.8m above ground plane.
- 3. Connect EUT to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- 4. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40cm long.
- 5. 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.
- 6. LISN at least 80 cm from nearest part of EUT chassis.
- 7. The frequency range from 150KHz to 30MHz was searched.
- 8. Set the test-receiver system to Peak Detect Function and specified bandwidth(IF bandwidth=9KHz) with Maximum Hold Mode
- 9. For the actual test configuration, please refer to the related Item –EUT Test Photos.

7.1.5 Test Results

Pass







Mode: Mode1

Power: AC 120V/60Hz 56 %

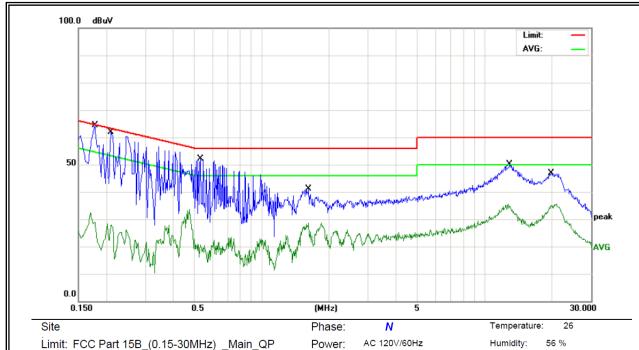
Humidity:

Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1779	48.77	10.13	58.90	64.58	-5.68	QP	
2	0.1779	23.90	10.13	34.03	54.58	-20.55	AVG	
3	0.2379	47.27	10.13	57.40	62.17	-4.77	QP	
4	0.2379	18.21	10.13	28.34	52.17	-23.83	AVG	
5	0.2938	42.16	10.14	52.30	60.41	-8.11	QP	
6	0.2938	14.64	10.14	24.78	50.41	-25.63	AVG	
7 *	0.4818	42.76	9.84	52.60	56.31	-3.71	QP	
8	0.4818	24.94	9.84	34.78	46.31	-11.53	AVG	
9	12.7097	37.03	9.82	46.85	60.00	-13.15	QP	
10	12.7097	26.51	9.82	36.33	50.00	-13.67	AVG	
11	20.4860	39.31	9.94	49.25	60.00	-10.75	QP	
12	20.4860	29.84	9.94	39.78	50.00	-10.22	AVG	

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





Mode: Mode 1

Note:

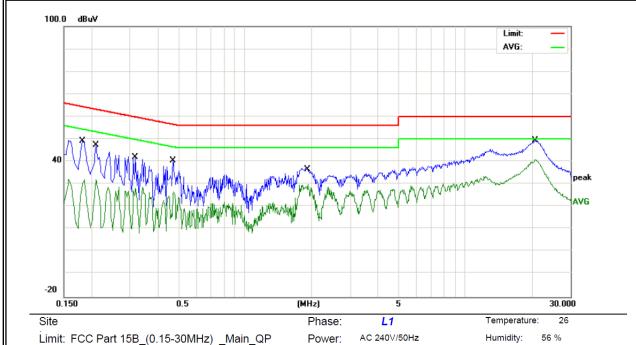
No. N	Иk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1779	48.27	10.13	58.40	64.58	-6.18	QP	
2		0.1779	22.24	10.13	32.37	54.58	-22.21	AVG	
3		0.2099	46.67	10.13	56.80	63.21	-6.41	QP	
4		0.2099	18.33	10.13	28.46	53.21	-24.75	AVG	
5 '	*	0.5299	42.29	9.80	52.09	56.00	-3.91	QP	
6		0.5299	23.94	9.80	33.74	46.00	-12.26	AVG	
7		1.6220	31.33	9.78	41.11	56.00	-14.89	QP	
8		1.6220	18.72	9.78	28.50	46.00	-17.50	AVG	
9		12.9219	40.20	9.83	50.03	60.00	-9.97	QP	
10		12.9219	25.84	9.83	35.67	50.00	-14.33	AVG	
11		19.9258	36.91	9.94	46.85	60.00	-13.15	QP	
12		19.9258	25.63	9.94	35.57	50.00	-14.43	AVG	

Power:

AC 120V/60Hz

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





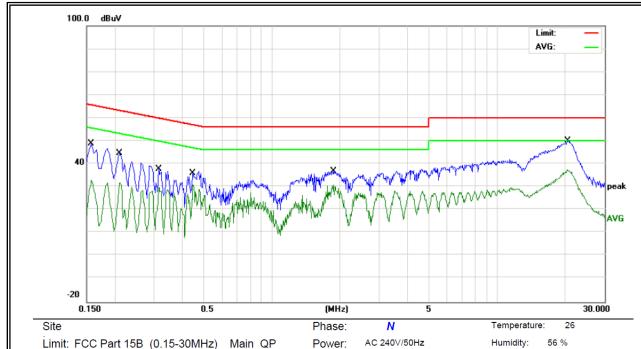
Mode: Mode 1

Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1819	38.95	10.13	49.08	64.39	-15.31	QP	
2	0.1819	21.86	10.13	31.99	54.39	-22.40	AVG	
3	0.2099	37.13	10.13	47.26	63.21	-15.95	QP	
4	0.2099	21.81	10.13	31.94	53.21	-21.27	AVG	
5	0.3180	31.69	10.12	41.81	59.76	-17.95	QP	
6	0.3180	18.71	10.12	28.83	49.76	-20.93	AVG	
7	0.4699	30.59	9.87	40.46	56.52	-16.06	QP	
8	0.4699	16.71	9.87	26.58	46.52	-19.94	AVG	
9	1.9299	27.42	9.74	37.16	56.00	-18.84	QP	
10	1.9299	20.20	9.74	29.94	46.00	-16.06	AVG	
11	20.7939	39.51	9.95	49.46	60.00	-10.54	QP	
12 *	20.7939	30.95	9.95	40.90	50.00	-9.10	AVG	

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





Mode: Mode 1

Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1580	38.67	10.12	48.79	65.56	-16.77	QP	
2	0.1580	22.71	10.12	32.83	55.56	-22.73	AVG	
3	0.2099	34.59	10.13	44.72	63.21	-18.49	QP	
4	0.2099	21.60	10.13	31.73	53.21	-21.48	AVG	
5	0.3140	27.65	10.13	37.78	59.86	-22.08	QP	
6	0.3140	19.93	10.13	30.06	49.86	-19.80	AVG	
7	0.4460	27.06	9.93	36.99	56.95	-19.96	QP	
8	0.4460	21.05	9.93	30.98	46.95	-15.97	AVG	
9	1.8779	27.23	9.74	36.97	56.00	-19.03	QP	
10	1.8779	21.10	9.74	30.84	46.00	-15.16	AVG	
11 *	20.5100	40.19	9.94	50.13	60.00	-9.87	QP	
12	20.5100	27.52	9.94	37.46	50.00	-12.54	AVG	

Power:

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



7.2 RADIATED SPURIOUS EMISSION

7.2.1 **Applicable Standard**

According to FCC Part 15.247(d) and 15.209 and DA 00-705

7.2.2 Conformance Limit

According to FCC Part 15.247(d): radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

According to FCC Part15.205, Restricted bands

7 toooraing to 1 00 1 art 10.20	recording to 1 GG 1 art 13.203, restricted bands				
MHz	MHz	MHz	GHz		
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15		
10.495-0.505	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	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					

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.

	101200(01), 011011 0110 101200	(-)	
Restricted Frequency(MHz)	Field Strength (µV/m)	Field Strength (dBµV/m)	Measurement Distance
0.009~0.490	2400/F(KHz)	20 log (uV/m)	300
0.490~1.705	2400/F(KHz)	20 log (uV/m)	30
1.705~30.0	30	29.5	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

Limits of Radiated Emission Measurement(Above 1000MHz)

Fraguancy/MHz)	Class B (dBuV	/m) (at 3M)
Frequency(MHz)	PEAK	AVERAGE
Above 1000	74	54

Remark :1. Emission level in dBuV/m=20 log (uV/m)

- 2. Measurement was performed at an antenna to the closed point of EUT distance of meters.
- 3. Distance extrapolation factor =40log(Specific distance/ test distance)(dB); Limit line=Specific limits(dBuV) + distance extrapolation factor.

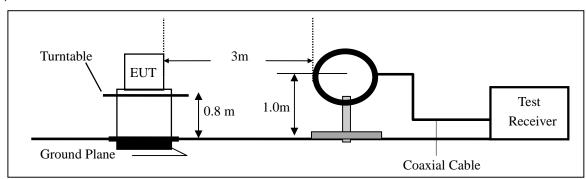
7.2.3 **Measuring Instruments**

The Measuring equipment is listed in the section 6.3 of this test report.

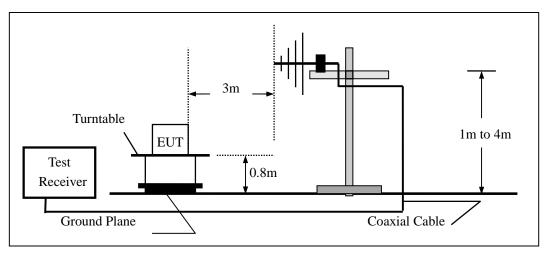


7.2.4 Test Configuration

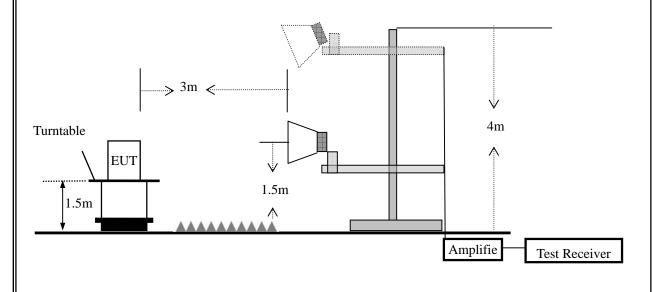
(a) For radiated emissions below 30MHz



(b) For radiated emissions from 30MHz to 1000MHz



(c) For radiated emissions above 1000MHz





7.2.5 Test Procedure

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10-2013. The test distance is 3m.The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 and CAN/CSA-CEI/IEC CISPR 22.

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT.

Use the following spectrum analyzer settings:

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average

Receiver Parameter	Setting			
Attenuation	Auto			
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP			
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP			
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP			

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation
- c. The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. 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.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note

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

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Above 1000	Peak	1 MHz	1 MHz
Above 1000	Average	1 MHz	10 Hz

Note: for the frequency ranges below 30 MHz, a narrower RBW is used for these ranges but the measured value should add a RBW correction factor (RBWCF) where RBWCF [dB] =10*lg(100 [kHz]/narrower RBW [kHz]). , the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.



7.2.6 Test Results

■ Spurious Emission below 30MHz (9KHz to 30MHz)

EUT:	DIGITAL ADVERTISEMENT SCREEN	Model No.:	ICI156T
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Eileen Liu

Freq.	Ant.Pol.	Emission L	evel(dBuV/m)	Limit 3	m(dBuV/m)	Over(dB)		
(MHz)	H/V	PK AV		PK	AV	PK	AV	

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

Distance extrapolation factor =20log(Specific distance/ test distance)(dB);

Limit line=Specific limits(dBuV) + distance extrapolation factor

Temperature:

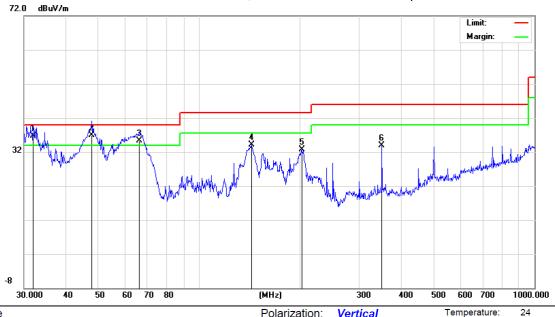
50 %

Humidity:



Spurious Emission below 1GHz (30MHz to 1GHz)

All the modulation modes have been tested, and the worst result was report as below:



Polarization:

Power:

Vertical

AC 120V/60Hz

Site Limit: FCC_PART15_B_03m_QP

Mode: High Channel

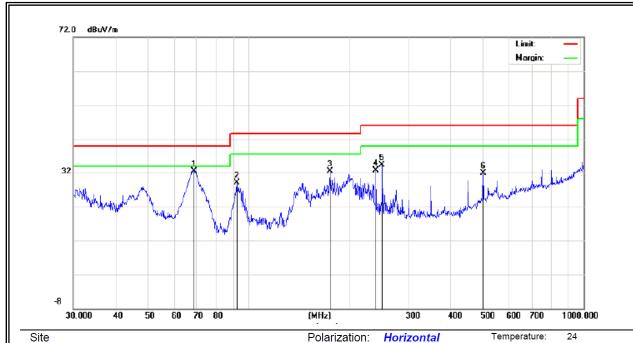
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBu∀	dB	dBu∀/m	dBuV/m	dB	Detector	cm	degree	Comment
1	ļ	31.9546	17.93	18.87	36.80	40.00	-3.20	QP			
2	*	47.8260	27.05	9.95	37.00	40.00	-3.00	QP			
3	İ	66.2662	28.82	6.58	35.40	40.00	-4.60	QP			
4		143.3261	22.91	11.19	34.10	43.50	-9.40	QP			
5		202.1005	21.10	11.51	32.61	43.50	-10.89	QP			
6		350.4768	19.82	14.12	33.94	46.00	-12.06	QP			

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

Humidity: 50 %





Limit: FCC_PART15_B_03m_QP Mode: High Channel

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBu∨	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	68.8721	24.09	8.45	32.54	40.00	-7.46	QP			
2		92.1388	19.09	9.93	29.02	43.50	-14.48	QP			
3		175.0367	20.12	12.31	32.43	43.50	-11.07	QP			
4	2	239.9874	21.93	10.73	32.66	46.00	-13.34	QP			
5	2	250.3011	23.45	10.88	34.33	46.00	-11.67	QP			
6		501.1789	14.49	17.42	31.91	46.00	-14.09	QP			

Power: AC 120V/60Hz

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



■ Spurious Emission Above 1GHz (1GHz to 25GHz)

EUT: DIGITAL ADVERTISEMENT Model No.: ICI156T
SCREEN

Temperature: 20 °C Relative Humidity: 48%

Test Mode: Mode2/Mode3/Mode4 Test By: Eileen Liu

All the modulation modes have been tested, and the worst result was report as below:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remar	Commont			
(MHz)	(MHz) (dBµV)		(dBµV/m)	(dBµV/m)	(dB)	k	Comment			
Low Channel (2402 MHz)-Above 1G										
4804.131	59.86	-3.64	56.22	74.00	-17.78	Pk	Vertical			
4804.131	41.17	-3.64	37.53	54.00	-16.47	AV	Vertical			
7206.224	59.86	-0.95	58.91	74.00	-15.09	Pk	Vertical			
7206.224	40.32	-0.95	39.37	54.00	-14.63	AV	Vertical			
4804.387	61.24	-3.64	57.60	74.00	-16.40	Pk	Horizontal			
4804.387	42.59	-3.64	38.95	54.00	-15.05	AV	Horizontal			
7206.412	61.02	-0.95	60.07	74.00	-13.93	Pk	Horizontal			
7206.412	42.97	-0.95	42.02	54.00	-11.98	AV	Horizontal			
		Mid Chan	nel (2441 MHz)-Abo	ove 1G						
4882.269	60.51	-3.68	56.83	74.00	-17.17	Pk	Vertical			
4882.269	44.96	-3.68	41.28	54.00	-12.72	AV	Vertical			
7323.346	60.32	-0.82	59.50	74.00	-14.50	Pk	Vertical			
7323.346	42.16	-0.82	41.34	54.00	-12.66	AV	Vertical			
4882.178	60.42	-3.68	56.74	74.00	-17.26	Pk	Horizontal			
4882.178	44.32	-3.68	40.64	54.00	-13.36	AV	Horizontal			
7323.967	60.91	-0.82	60.09	74.00	-13.91	Pk	Horizontal			
7323.967	43.54	-0.82	42.72	54.00	-11.28	AV	Horizontal			
	,	High Chan	nel (2480 MHz)- Ab	ove 1G						
4960.135	60.19	-3.59	56.60	74.00	-17.40	Pk	Vertical			
4960.135	42.64	-3.59	39.05	54.00	-14.95	AV	Vertical			
7440.102	59.86	-0.68	59.18	74.00	-14.82	Pk	Vertical			
7440.102	41.75	-0.68	41.07	54.00	-12.93	AV	Vertical			
4960.647	60.33	-3.59	56.74	74.00	-17.26	Pk	Horizontal			
4960.647	41.69	-3.59	38.10	54.00	-15.90	AV	Horizontal			
7440.203	60.28	-0.68	59.60	74.00	-14.40	Pk	Horizontal			
7440.203	42.32	-0.68	41.64	54.00	-12.36	AV	Horizontal			

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).

(2) Emission Level= Reading Level+Probe Factor +Cable Loss.

(3)All other emissions more than 20dB below the limit.



■ Spurious Emission in Restricted Band 2310-2390MHz and 2483.5-2500MHz

EUT:	DIGITAL ADVERTISEMENT SCREEN	Model No.:	ICI156T
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Eileen Liu

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	Comment			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type	Comment			
1Mbps Non-hopping										
2390	60.23	-13.06	47.17	74.00	-26.83	peak	Vertical			
2390	59.94	-13.06	46.88	74.00	-27.12	peak	Horizonta			
2483.5	59.11	-12.78	46.33	74.00	-27.67	peak	Vertical			
2483.5	60.25	-12.78	47.47	74.00	-26.53	peak	Horizonta			
			1Mbps ho	pping		T				
2390	60.31	-13.06	47.25	74.00	-26.75	peak	Vertical			
2390	60.24	-13.06	47.18	74.00	-26.82	peak	Horizonta			
2483.5	58.96	-12.78	46.18	74.00	-27.82	peak	Vertical			
2483.5	60.35	-12.78	47.57	74.00	-26.43	peak	Horizonta			
			2Mbps Non-	hopping		r	Ţ			
2390	58.97	-13.06	45.91	74.00	-28.09	peak	Vertical			
2390	59.62	-13.06	46.56	74.00	-27.44	peak	Horizonta			
2483.5	61.32	-12.78	48.54	74.00	-25.46	peak	Vertical			
2483.5	60.29	-12.78	47.51	74.00	-26.49	peak	Horizonta			
			2Mbps ho	pping		r	Ţ			
2390	60.98	-13.06	47.92	74.00	-26.08	peak	Vertical			
2390	60.35	-13.06	47.29	74.00	-26.71	peak	Horizonta			
2483.5	59.87	-12.78	47.09	74.00	-26.91	peak	Vertical			
2483.5	59.41	-12.78	46.63	74.00	-27.37	peak	Horizonta			
	, , ,		3Mbps Non-	hopping		ı	1			
2390	58.95	-13.06	45.89	74.00	-28.11	peak	Vertical			
2390	60.34	-13.06	47.28	74.00	-26.72	peak	Horizonta			
2483.5	59.66	-12.78	46.88	74.00	-27.12	peak	Vertical			
2483.5	59.84	-12.78	47.06	74.00	-26.94	peak	Horizonta			
	, , , , , , , , , , , , , , , , , , , ,		3Mbps ho	opping		T				
2390	59.61	-13.06	46.55	74.00	-27.45	peak	Vertical			
2390	60.24	-13.06	47.18	74.00	-26.82	peak	Horizonta			
2483.5	59.55	-12.78	46.77	74.00	-27.23	peak	Vertical			
2483.5	60.33	-12.78	47.55	74.00	-26.45	peak	Horizonta			



7.3 NUMBER OF HOPPING CHANNEL

7.3.1 Applicable Standard

According to FCC Part 15.247(a)(1) (iii)and DA 00-705

7.3.2 Conformance Limit

Frequency hopping systems in the 2400-2483.5MHz band shall use at least 15 channels.

7.3.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.3.4 Test Setup

Please refer to Section 6.1 of this test report.

7.3.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.3

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT must have its hopping function enabled.

Use the following spectrum analyzer settings:

Span = the frequency band of operation

RBW ≥ 1% of the span

 $VBW \geq RBW$

Sweep = auto

Detector function = peak

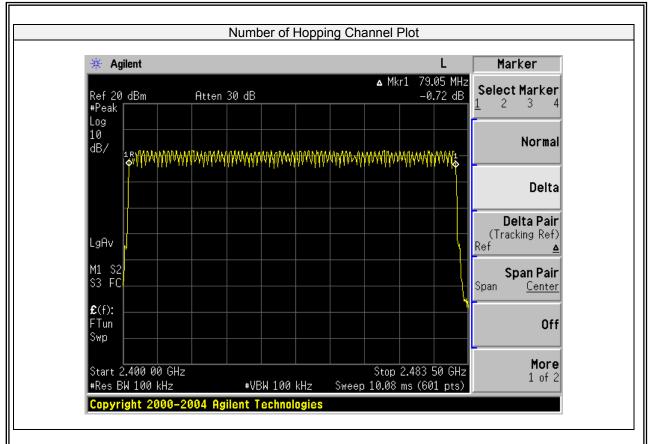
Trace = max hold

7.3.6 Test Results

EUT:	DIGITAL ADVERTISEMENT SCREEN	Model No.:	ICI156T
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode 8	Test By:	Eileen Liu

Number of Hopping (Channel)	Adaptive Frequency hopping (Channel)	limit	Verdict
79	20	≥15	Pass







7.4 HOPPING CHANNEL SEPARATION MEASUREMENT

7.4.1 Applicable Standard

According to FCC Part 15.247(a)(1) and DA 00-705

7.4.2 Conformance Limit

Frequency hopping systems operating in the 2400-2483.5MHz band shall have hopping channel carrier frequencies that are separated by 25kHz or two-thirds of the 20dB bandwidth of the hopping channel, whichever is greater.

7.4.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.4.4 Test Setup

Please refer to Section 6.1 of this test report.

7.4.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.2

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT was operating in controlled its channel.

Use the following spectrum analyzer settings:

Span = Measurement Bandwidth or Channel Separation

 $RBW \geq 30 KHz \\$

 $VBW \ge 3*RBW$

Sweep = auto

Detector function = peak

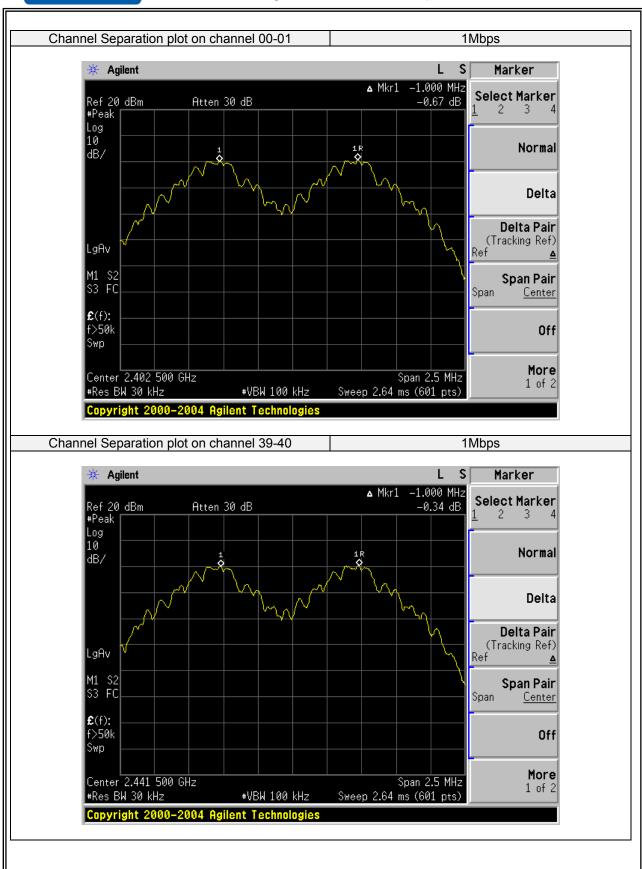
Trace = max hold

7.4.6 Test Results

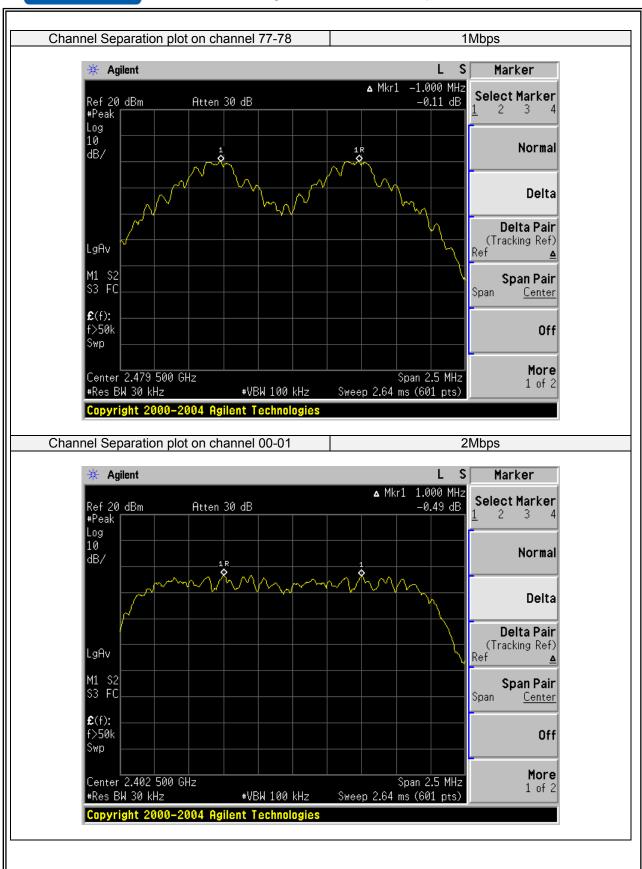
EUT:	DIGITAL ADVERTISEMENT SCREEN	Model No.:	ICI156T
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode5/Mode6/Mode7	Test By:	Eileen Liu

Modulation Mode	Channel Number	Channel Frequency	Measurement Bandwidth	Limit (kHz)		Verdict
		(MHz)	(kHz)	`		
GFSK	0	2402	1000.00	>877.170	20dB BW	PASS
	39	2441	1000.00	>872.117	20dB BW	PASS
	78	2480	1000.00	>883.567	20dB BW	PASS
π/4-DQPSK	0	2402	1000.00	>912.667	2/3 of 20dB BW	PASS
	39	2441	1000.00	>914.000	2/3 of 20dB BW	PASS
	78	2480	1000.00	>914.667	2/3 of 20dB BW	PASS
8DPSK	0	2402	1000.00	>871.333	2/3 of 20dB BW	PASS
	39	2441	1000.00	>872.667	2/3 of 20dB BW	PASS
	78	2480	1000.00	>872.000	2/3 of 20dB BW	PASS

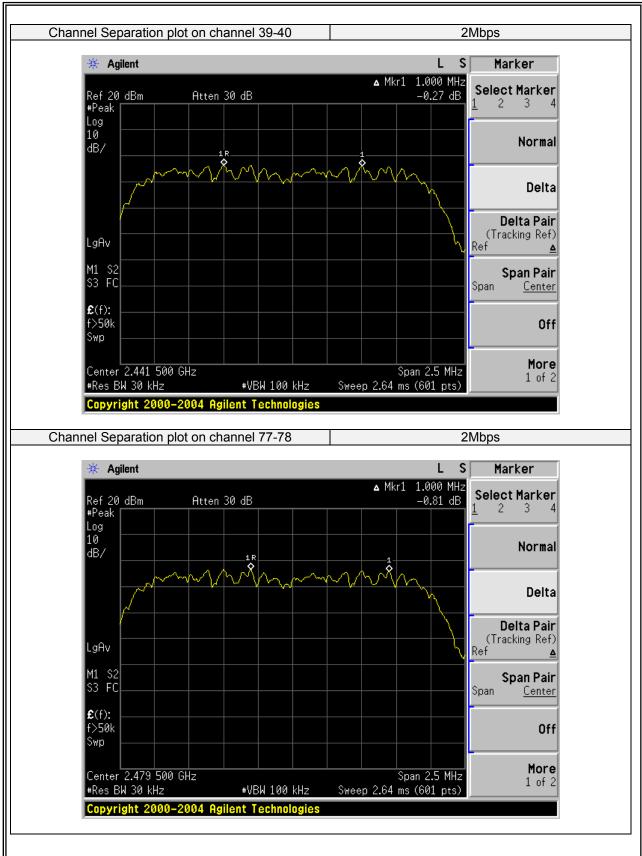








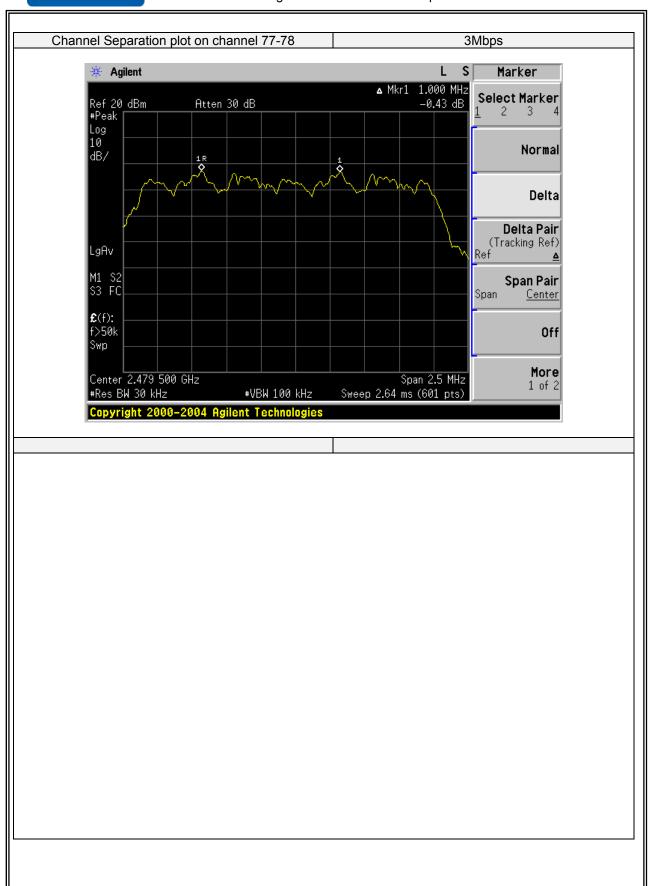














7.5 AVERAGE TIME OF OCCUPANCY (DWELL TIME)

7.5.1 Applicable Standard

According to FCC Part 15.247(a)(1)(iii) and DA 00-705

7.5.2 Conformance Limit

The average time of occupancy on any channel shall not be greater than 0.4s within a period of 0.4s multiplied by the number of hopping channels employed.

7.5.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.5.4 Test Setup

Please refer to Section 6.1 of this test report.

7.5.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.4

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT must have its hopping function enabled.

Use the following spectrum analyzer settings:

Span = zero span, centered on a hopping channel

 $RBW \ge 1MHz$

 $\mathsf{VBW} \geq \mathsf{RBW}$

Sweep = as necessary to capture the entire dwell time per hopping channel

Detector function = peak

Trace = max hold

Measure the maximum time duration of one single pulse.

Set the EUT for DH5, DH3 and DH1 packet transmitting.

Measure the maximum time duration of one single pulse.



7.5.6 Test Results

EUT:	DIGITAL ADVERTISEMENT SCREEN	Model No.:	ICI156T
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode 8	Test By:	Eileen Liu

Modulation Mode	Channel Number	Packet type	Mode	Hops Over Occupancy Time (ms)	Pulse width (ms)	dwell time (ms)	Limit (ms)	Verdict
GFSK	39	בות	Normal	320.00	0.452	144.640	<400	PASS
	39	DH1	AFH	160.00	0.452	72.320	<400	PASS
	39	DH3	Normal	160.00	1.682	269.120	<400	PASS
	39		AFH	80.00	1.682	134.560	<400	PASS
	39	DH5	Normal	106.67	3.026	322.783	<400	PASS
	39		AFH	53.33	3.026	161.377	<400	PASS
π/4-DQPSK	39	2DH1	Normal	320.00	0.467	149.440	<400	PASS
	39		AFH	160.00	0.467	74.720	<400	PASS
	39	2DH3	Normal	160.00	1.707	273.120	<400	PASS
	39	20113	AFH	80.00	1.707	136.560	<400	PASS
	39	2DH5	Normal	106.67	2.973	317.130	<400	PASS
	39		AFH	53.33	2.973	158.550	<400	PASS
8DPSK	39	3DH1	Normal	320.00	0.440	140.800	<400	PASS
	39	וווטנ	AFH	160.00	0.440	70.400	<400	PASS
	39	3DH3	Normal	160.00	1.720	275.200	<400	PASS
	39	טווט	AFH	80.00	1.720	137.600	<400	PASS
	39	3DH5	Normal	106.67	2.954	315.103	<400	PASS
	39		AFH	53.33	2.954	157.537	<400	PASS

Note:

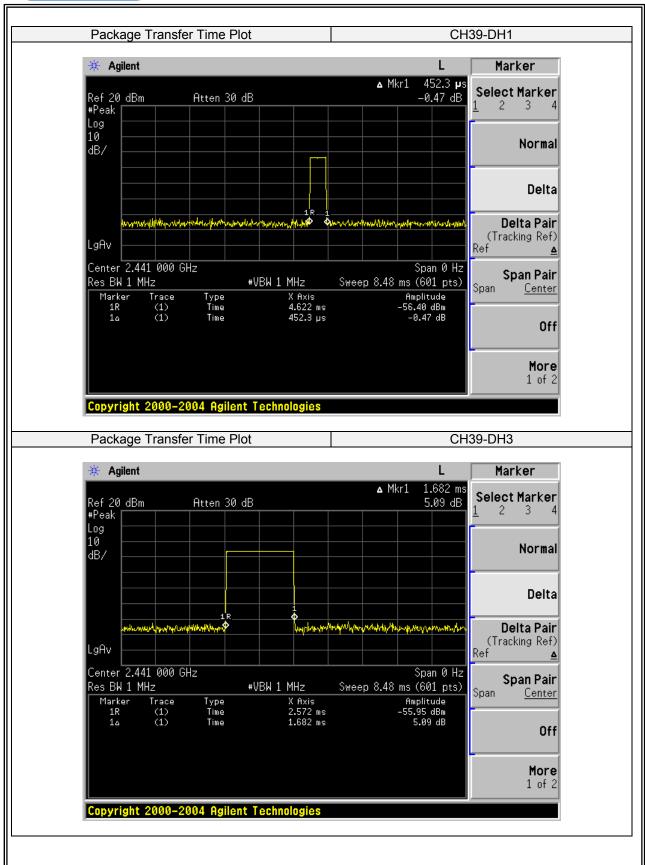
A Period Time = (channel number)*0.4

DH1 Time Slot: Reading * (1600/2)*31.6/(channel number)
DH3 Time Slot: Reading * (1600/4)*31.6/(channel number)
DH5 Time Slot: Reading * (1600/6)*31.6/(channel number)

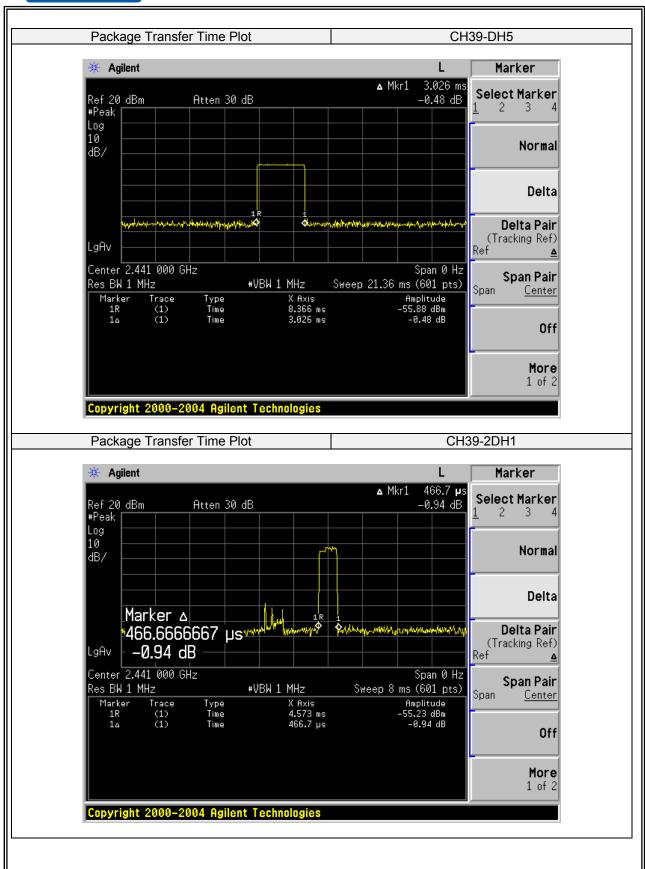
For Example:

- 1. In normal mode, hopping rate is 1600 hops/s with 6 slots in 79 hopping channels. With channel hopping rate (1600 / 6 / 79) in Occupancy Time Limit (0.4 x 79) (s), Hops Over Occupancy Time comes to (1600 / 6 / 79) x (0.4 x 79) = 106.67 hops.
- 2. In AFH mode, hopping rate is 800 hops/s with 6 slots in 20 hopping channels. With channel hopping rate (800 / 6 / 20) in Occupancy Time Limit (0.4×20) (s), Hops Over Occupancy Time comes to $(800 / 6 / 20) \times (0.4 \times 20) = 53.33$ hops.
- 3. Dwell Time(s) = Hops Over Occupancy Time (hops) x Package Transfer Time

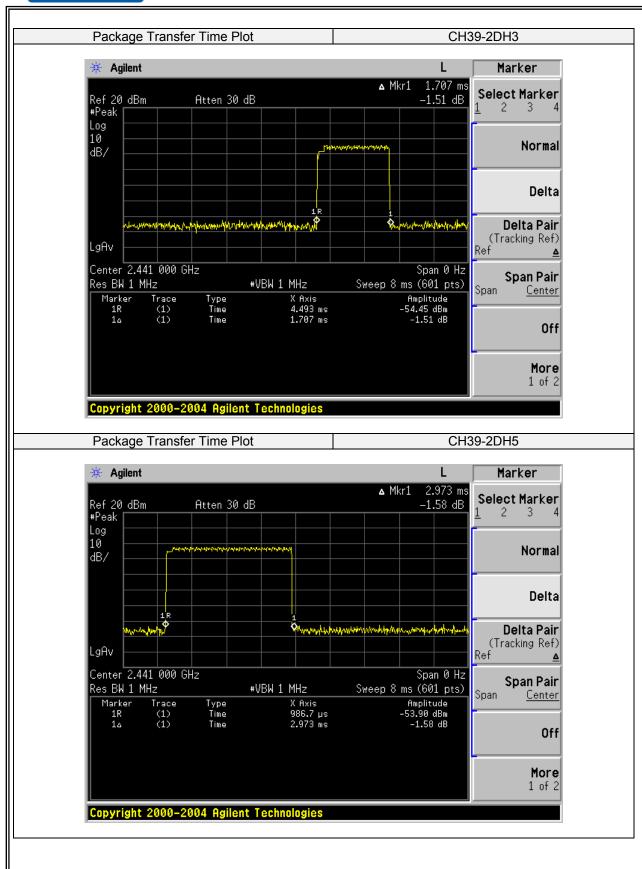




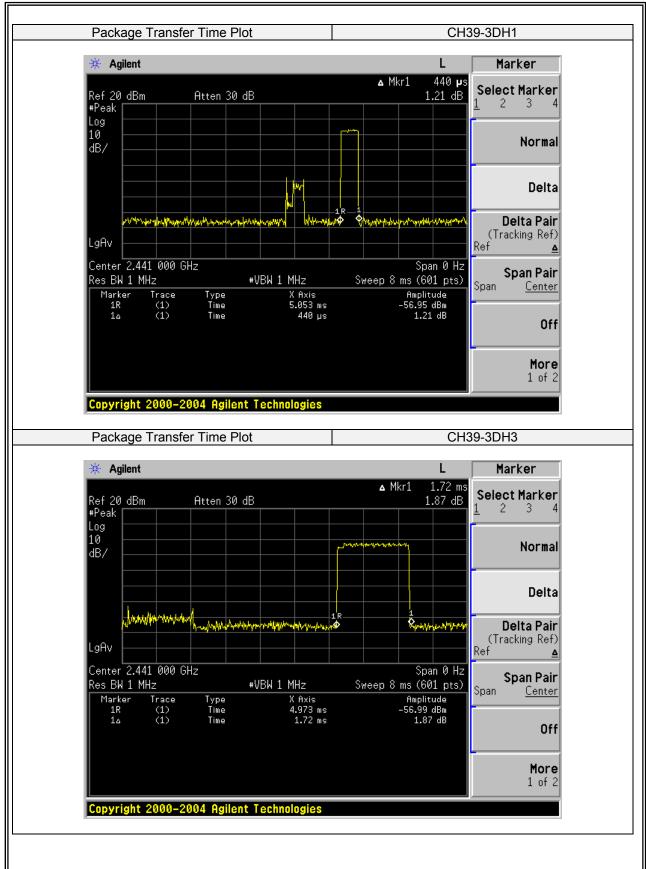




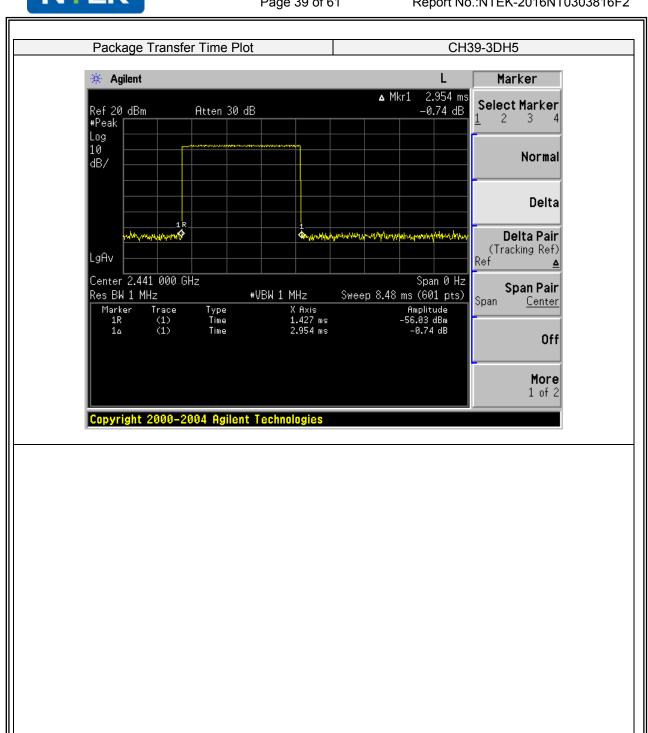














7.6 20DB BANDWIDTH TEST

7.6.1 Applicable Standard

According to FCC Part 15.247(a)(1) and DA 00-705

7.6.2 Conformance Limit

No limit requirement.

7.6.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.6.4 Test Setup

Please refer to Section 6.1 of this test report.

7.6.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 6.9.2

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT was operating in controlled its channel.

Use the following spectrum analyzer settings:

Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel

RBW ≥ 1% of the 20 dB bandwidth

VBW ≥ RBW Sweep = auto

Detector function = peak

Trace = max hold

7.6.6 Test Results

EUT:	DIGITAL ADVERTISEMENT SCREEN	Model No.:	ICI156T
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode5/Mode6/Mode7	Test By:	Eileen Liu

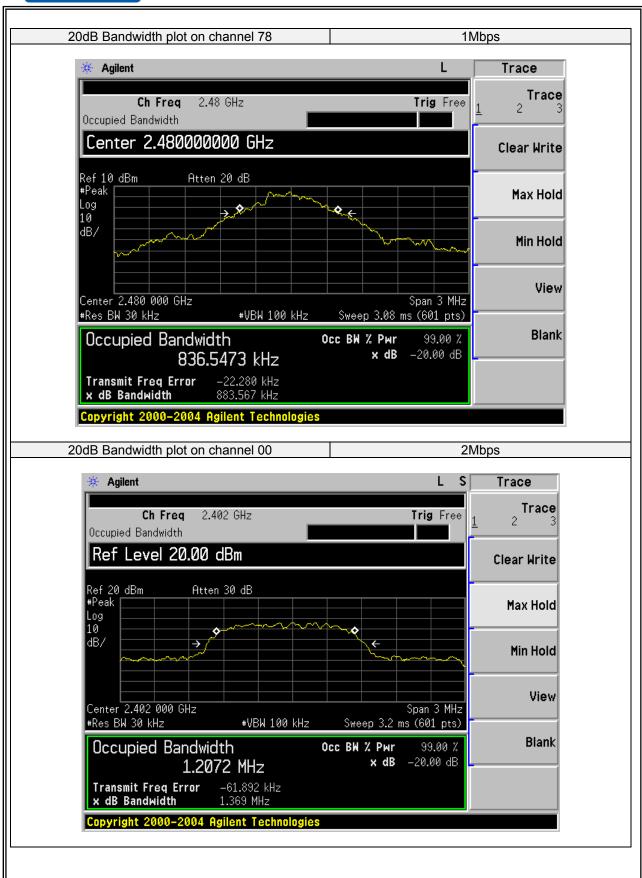
Test Channel	Frequency	Measurement	Limit	Verdict	
	(MHz)	Bandwidth (KHz)	(kHz)	verdict	
		1Mbps			
00	2402	877.170	N/A	PASS	
39	2441	872.117	N/A	PASS	
78	2480	883.567	N/A	PASS	
2Mbps					
00	2402	1369.000	N/A	PASS	
39	2441	1371.000	N/A	PASS	
78	2480	1372.000	N/A	PASS	
3Mbps					
00	2402	1307.000	N/A	PASS	
39	2441	1309.000	N/A	PASS	
78	2480	1308.000	N/A	PASS	

Note: N/A (Not Applicable)

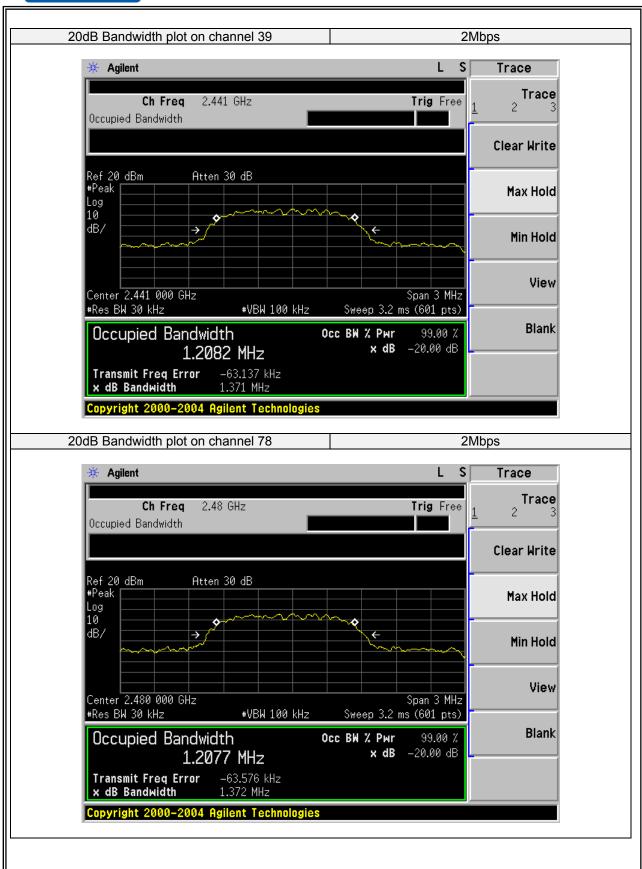




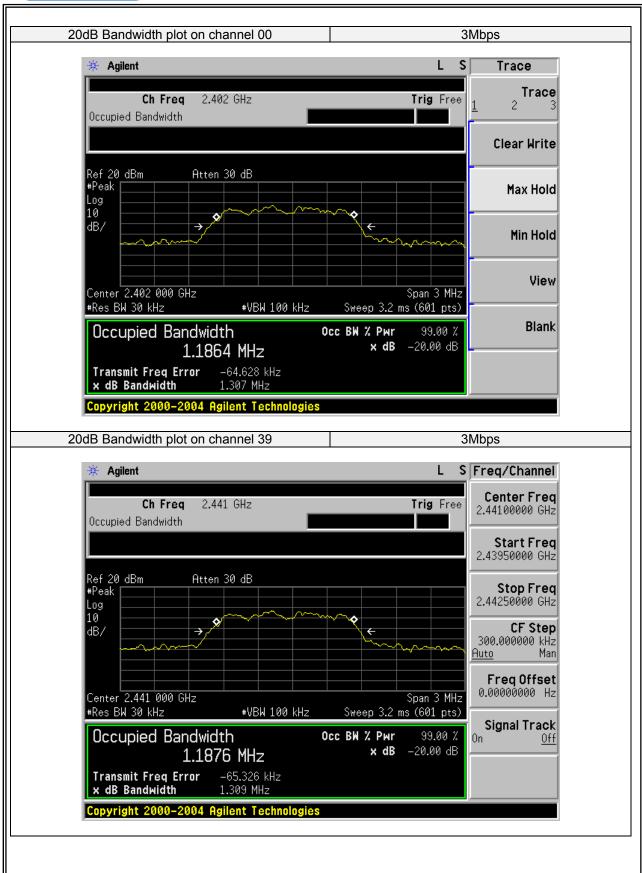




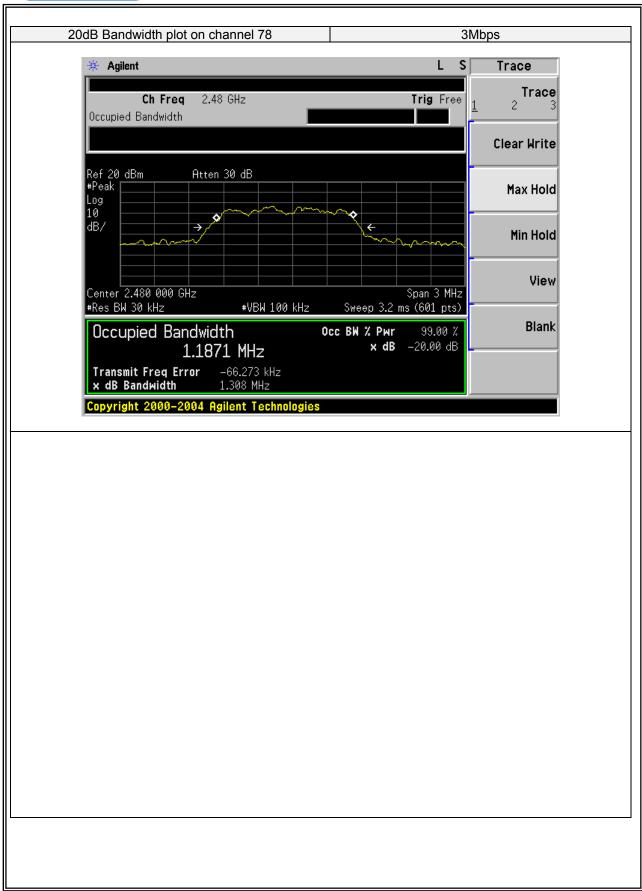














7.7 PEAK OUTPUT POWER

7.7.1 Applicable Standard

According to FCC Part 15.247(b)(1) and DA 00-705

7.7.2 Conformance Limit

The maximum peak conducted output power of the intentional radiator shall not exceed the following: (1) For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band 0.125 watts.

7.7.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.7.4 Test Setup

Please refer to Section 6.1 of this test report.

7.7.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.5.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT was operating in controlled its channel.

Use the following spectrum analyzer settings:

Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel

RBW \geq the 20 dB bandwidth of the emission being measured

 $VBW \geq RBW$

Sweep = auto

Detector function = peak

Trace = max hold

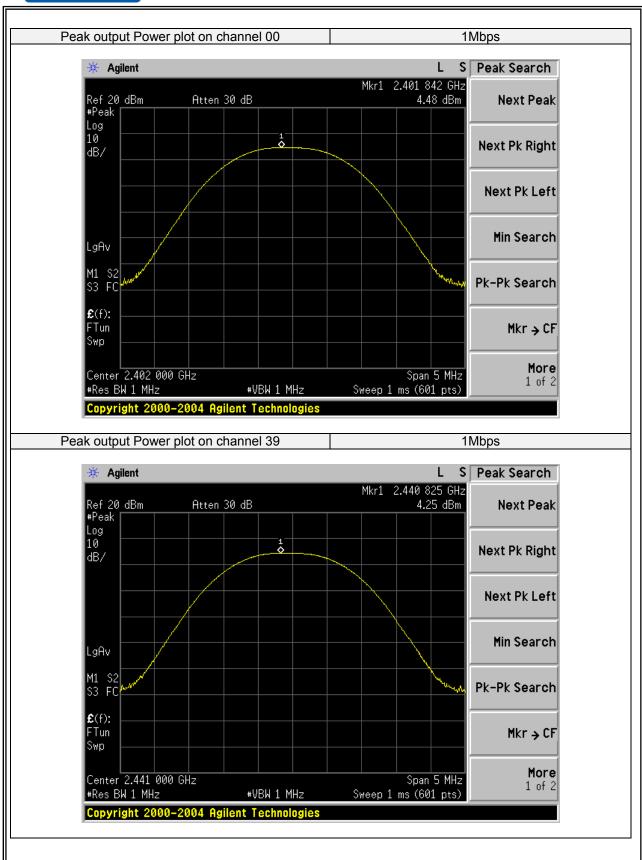
7.7.6 Test Results

EUT:	DIGITAL ADVERTISEMENT SCREEN	Model No.:	ICI156T
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode5/Mode6/Mode7	Test By:	Eileen Liu

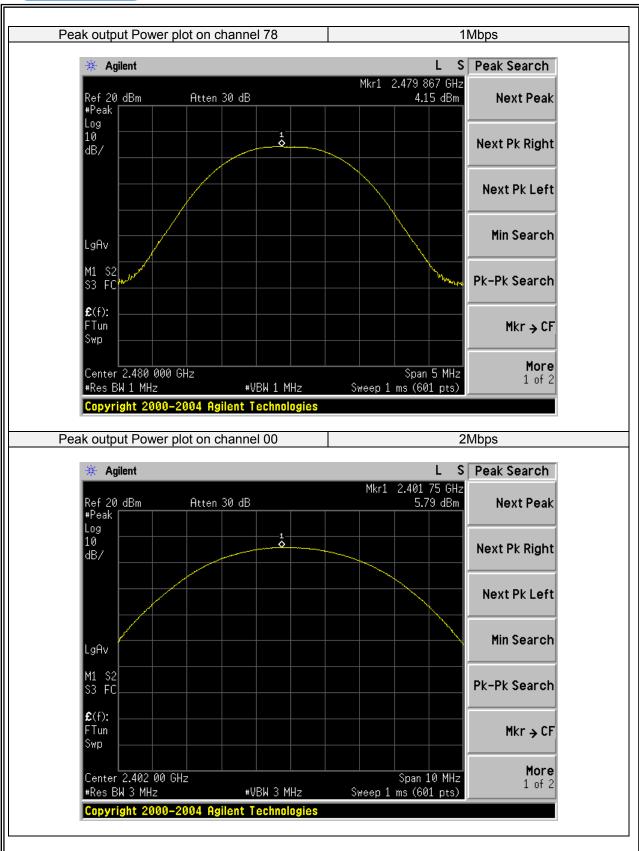


Test Channel	Frequency	Power Setting	Peak Output Power	LIMIT	Verdict	
Test Charmer	(MHz)	Fower Setting	(dBm)	(dBm)	Verdict	
			1Mbps			
00	2402	Default	4.48	30	PASS	
39	2441	Default	4.25	30	PASS	
78	2480	Default	4.15	30	PASS	
	2Mbps					
00	2402	Default	5.79	20.97	PASS	
39	2441	Default	5.57	20.97	PASS	
78	2480	Default	5.53	20.97	PASS	
	3Mbps					
00	2402	Default	5.91	20.97	PASS	
39	2441	Default	5.73	20.97	PASS	
78	2480	Default	5.66	20.97	PASS	

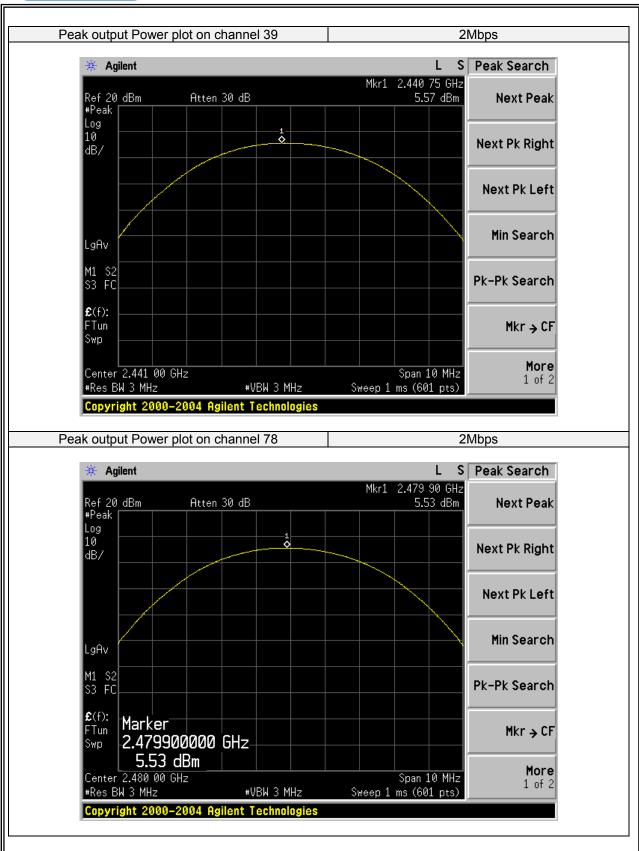




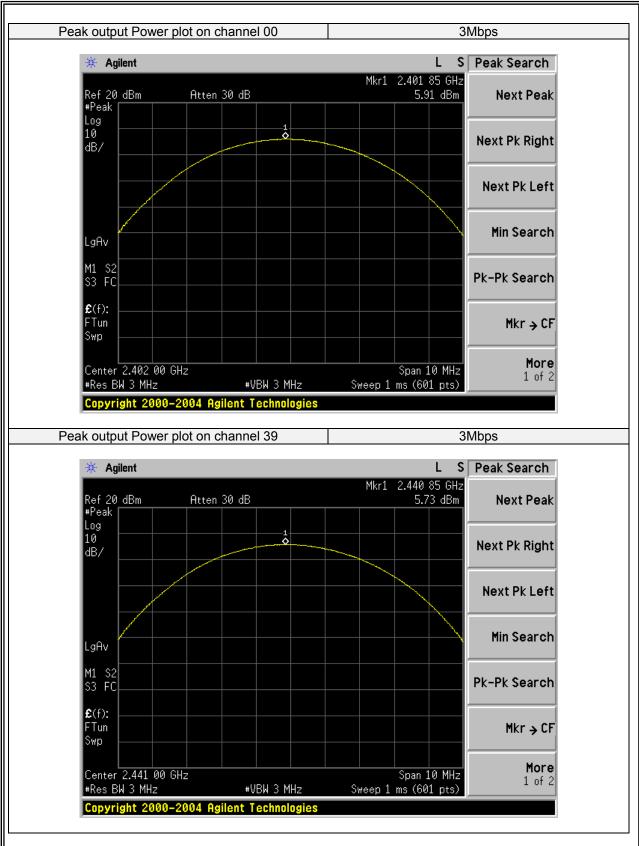




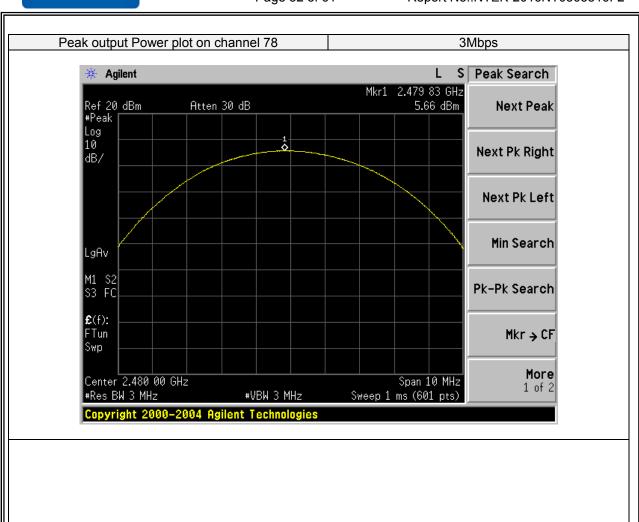














7.8 CONDUCTED BAND EDGE MEASUREMENT

7.8.1 Applicable Standard

According to FCC Part 15.247(d) and DA 00-705

7.8.2 Conformance Limit

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

7.8.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.8.4 Test Setup

Please refer to Section 6.1 of this test report.

7.8.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.6.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT must have its hopping function enabled.

Use the following spectrum analyzer settings:

Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel

RBW = 100KHz

VBW = 300KHz

Band edge emissions must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100kHz RBW. The attenuation shall be 30 dB instead of 20 dB when RMS conducted output power procedure is used.

Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.

Repeat above procedures until all measured frequencies were complete.



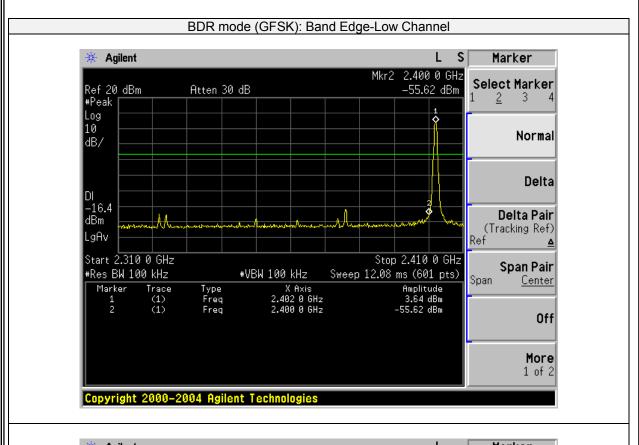
7.8.6 Test Results

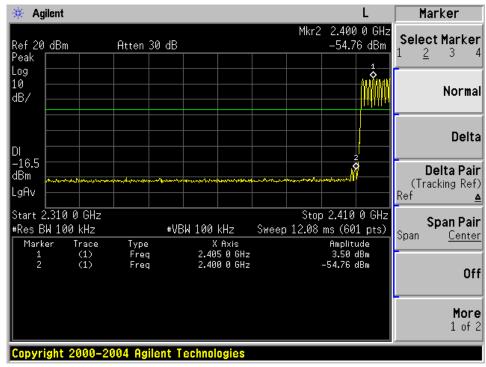
IF() :	DIGITAL SCREEN	ADVERTISEMENT	Model No.:	ICI156T
Temperature:	20 ℃		Relative Humidity:	48%
Test Mode:	Mode5/Mode6	/Mode7/Mode8	Test By:	Eileen Liu

Frequency Band	Delta Peak to band emission(dBc)	>Limit(dBc)	Verdict				
1Mbps Non-hopping							
2400	59.62	20	Pass				
2483.5	64.66	20	Pass				
	2Mbps Non-hopping						
2400	49.97	20	Pass				
2483.5	61.04	20	Pass				
	3Mbps Non-hopping						
2400	50.99	20	Pass				
2483.5	59.94	20	Pass				
	1Mbps hopping						
2400	58.26	20	Pass				
2483.5	48.11	20	Pass				
	2Mbps hopping						
2400	49.05	20	Pass				
2483.5	55.36	20	Pass				
3Mbps hopping							
2400	61.16	20	Pass				
2483.5	58.33	20	Pass				

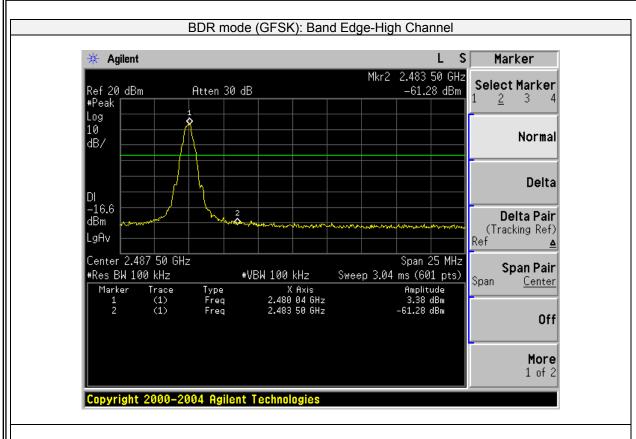
Note: Hopping enabled and disabled have evaluated, and the wortest data was reported

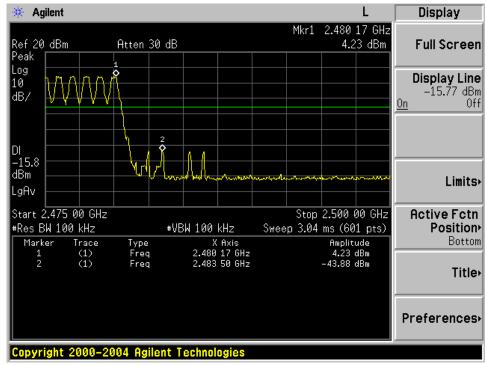




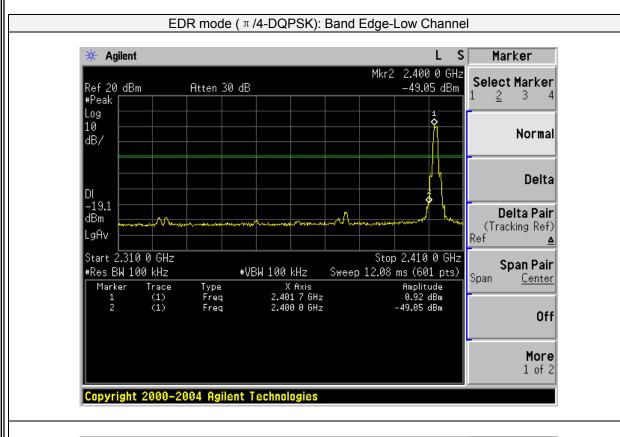


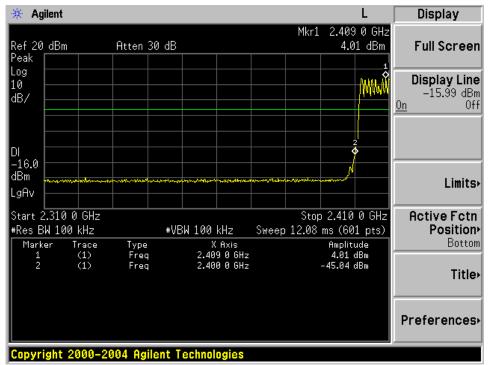




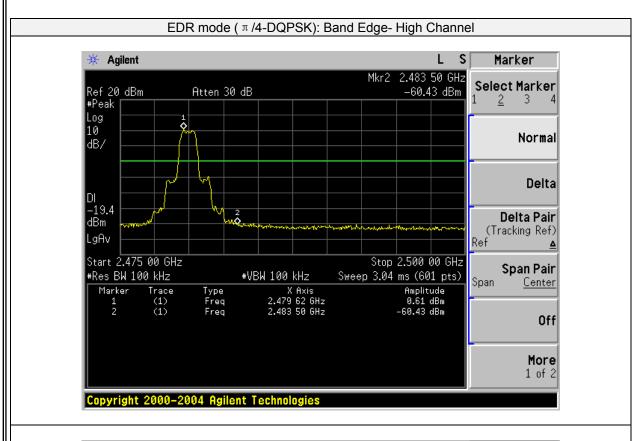


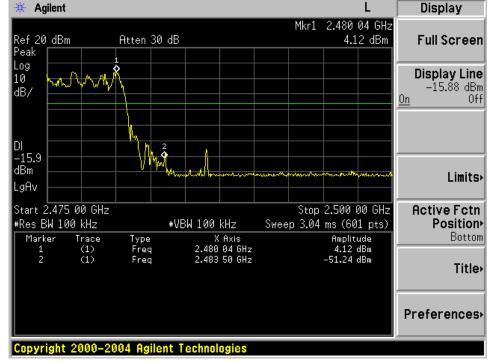




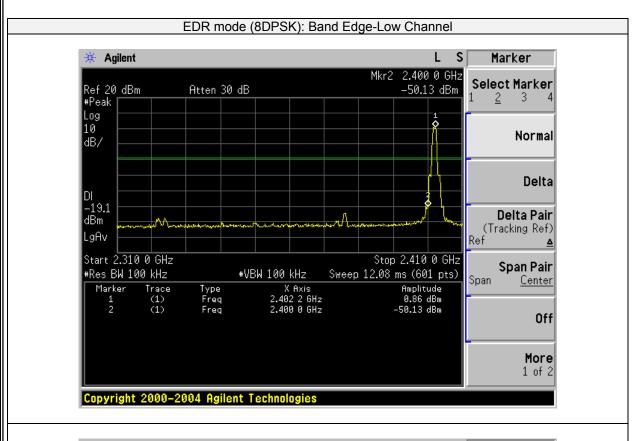


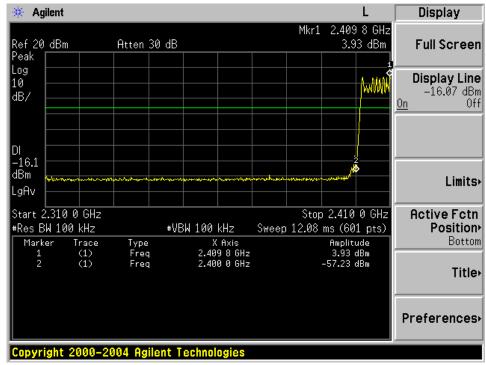




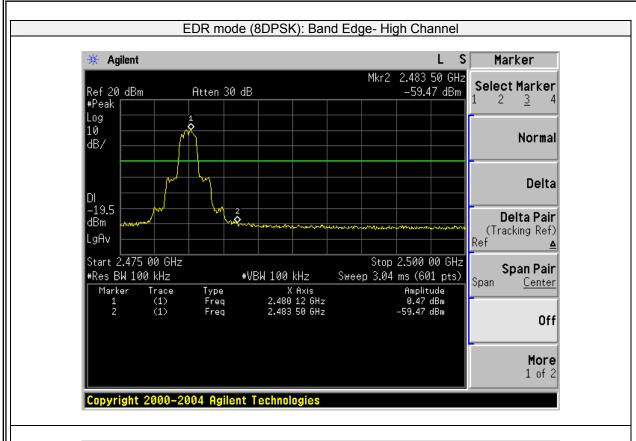


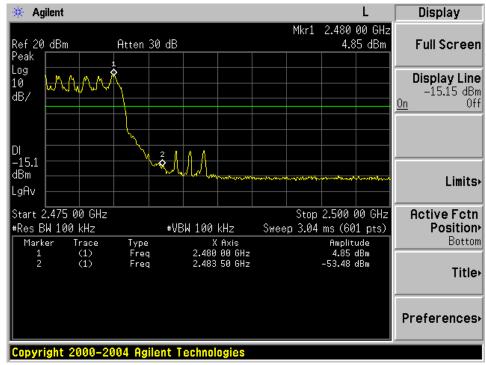














7.9 ANTENNA APPLICATION

7.9.1 Antenna Requirement

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 partyshall be used with the device.

7.9.2 **Result**

The EUT antenna is permanent attached antenna. It comply with the standard requirement.

END OF REPORT