



FCC RADIO TEST REPORT

FCC ID: OLEU830

Of

Product Name: 3G MOBILE PHONE

Brand Name: unnecto™

Model No.: U-830-2

Series Model: N/A

Test Report Number: STS140739F02

Issued for

PARKTEL FZE

**WARE HOUSE NO: FF01,ROUND ABOUT NO: 05,JEBEL ALI FREEZONE DUBAI
U.A.E**

Issued by

Shenzhen STS Test Services Co., Ltd.

**1/F, Building 2, Zhuoke Science Park, Chongqing Road, Fuyong,
Baoan District, Shenzhen, China**

TEL: +86-755 6119 6328

FAX: +86-755 6119 6328

E-mail: sts@stsapp.com

This test report may be reproduced in full only.

All Test Data Presented in this report is only applicable to presented Test sample.

TEST RESULT CERTIFICATION

Applicant's name PARKTEL FZE
Address..... WARE HOUSE NO: FF01,ROUND ABOUT NO: 05,JEBEL ALI
 FREEZONE DUBAI U.A.E
Manufacture's Name RUNSHENG MANAGEMENT COMPANY LIMITED
Address..... ROOM 901, FOOK LEE COMMERCIAL CENTRE, 33 LOCKHART
 ROAD, WANCHAI, HONG KONG

Product description

Product name 3G MOBILE PHONE
Band name unnecto TM
Model and/or type reference U-830-2
Ratings..... DC 5V/0.55A

Standards FCC Part15.247

Test procedure ANSI C63.10-2003

This device described above has been tested by STS, 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.

This report shall not be reproduced except in full, without the written approval of STS, this document may be altered or revised by STS, personal only, and shall be noted in the revision of the document.

Date of Test

Date (s) of performance of tests.. Sep 03, 2014 ~Sep 11, 2014

Date of Issue..... Sep 12, 2014

Test Result **Pass**

Testing Engineer :



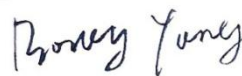
(Tony Liu)

Technical Manager :



(Vita Li)

Authorized Signatory :



(Bovey Yang)



Table of Contents	Page
1 . SUMMARY OF TEST RESULTS	5
1.1 TEST FACILITY	6
1.2 MEASUREMENT UNCERTAINTY	6
2 . GENERAL INFORMATION	7
2.1 GENERAL DESCRIPTION OF EUT	7
2.2 DESCRIPTION OF TEST MODES	9
2.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING	9
2.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	10
2.5 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)	10
2.6 EQUIPMENTS LIST FOR ALL TEST ITEMS	11
3 . EMC EMISSION TEST	12
3.1 CONDUCTED EMISSION MEASUREMENT	12
3.1.1 POWER LINE CONDUCTED EMISSION LIMITS	12
3.1.2 TEST PROCEDURE	13
3.1.3 DEVIATION FROM TEST STANDARD	13
3.1.4 TEST SETUP	13
3.1.5 EUT OPERATING CONDITIONS	13
3.1.6 TEST RESULTS	14
3.2 RADIATED EMISSION MEASUREMENT	16
3.2.1 RADIATED EMISSION LIMITS	16
3.2.2 TEST PROCEDURE	17
3.2.3 DEVIATION FROM TEST STANDARD	17
3.2.4 TEST SETUP	18
3.2.5 EUT OPERATING CONDITIONS	19
3.2.6 TEST RESULTS (BELOW 30 MHZ)	20
3.2.7 TEST RESULTS (BETWEEN 30M – 1000 MHZ)	21
3.2.8 TEST RESU LTS (ABOVE 1000 MHZ)	23
4. CONDUCTED SPURIOUS EMISSIONS	25
4.1 REQUIREMENT	25
4.1.2 TEST PROCEDURE	25
4.1.2 DEVIATION FROM STANDARD	25
4.1.3 TEST SETUP	25
4.1.4 EUT OPERATION CONDITIONS	25
4.1.5 TEST RESULTS	26
5. NUMBER OF HOPPING CHANNEL	35
5.1 APPLIED PROCEDURES / LIMIT	35
5.1.1 TEST PROCEDURE	35

Table of Contents	Page
5.1.2 DEVIATION FROM STANDARD	35
5.1.3 TEST SETUP	35
5.1.4 EUT OPERATION CONDITIONS	35
5.1.5 TEST RESULTS	36
6. AVERAGE TIME OF OCCUPANCY	37
6.1 APPLIED PROCEDURES / LIMIT	37
6.1.1 TEST PROCEDURE	37
6.1.2 DEVIATION FROM STANDARD	37
6.1.3 TEST SETUP	37
6.1.4 EUT OPERATION CONDITIONS	37
6.1.5 TEST RESULTS	38
7. HOPPING CHANNEL SEPARATION MEASUREMEN	44
7.1 APPLIED PROCEDURES / LIMIT	44
7.1.1 TEST PROCEDURE	44
7.1.2 DEVIATION FROM STANDARD	44
7.1.3 TEST SETUP	44
7.1.4 EUT OPERATION CONDITIONS	44
7.1.4 TEST RESULTS	45
8. BANDWIDTH TEST	51
8.1 APPLIED PROCEDURES / LIMIT	51
8.1.1 TEST PROCEDURE	51
8.1.2 DEVIATION FROM STANDARD	51
8.1.3 TEST SETUP	51
8.1.4 EUT OPERATION CONDITIONS	51
8.1.5 TEST RESULTS	52
9. PEAK OUTPUT POWER TEST	58
9.1 APPLIED PROCEDURES / LIMIT	58
9.1.1 TEST PROCEDURE	58
9.1.2 DEVIATION FROM STANDARD	58
9.1.3 TEST SETUP	58
9.1.4 EUT OPERATION CONDITIONS	58
9.1.5 TEST RESULTS	59
10. ANTENNA REQUIREMENT	60
10.1 STANDARD REQUIREMENT	60
10.2 EUT ANTENNA	60
APPENDIX-PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS	

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 (15.247) , Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.247(a)(1)	Hopping Channel Separation	PASS	
15.247(b)(1)	Peak Output Power	PASS	
15.247(c)	Radiated Spurious Emission	PASS	
15.247(d)	Conducted Spurious Emission	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	

NOTE:

(1)" N/A" denotes test is not applicable in this Test Report

1.1 TEST FACILITY

BZT Testing Technology Co., Ltd

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

FCC Registration No.: 701733

1.2 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 %** .

No.	Item	Uncertainty
1	Conducted Emission Test	$\pm 1.38\text{dB}$
2	RF power,conducted	$\pm 0.16\text{dB}$
3	Spurious emissions,conducted	$\pm 0.21\text{dB}$
4	All emissions,radiated(<1G)	$\pm 4.68\text{dB}$
5	All emissions,radiated(>1G)	$\pm 4.89\text{dB}$
6	Temperature	$\pm 0.5^{\circ}\text{C}$
7	Humidity	$\pm 2\%$

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	3G MOBILE PHONE
Trade Name	unnecto TM
Model Name	U-830-2
Serial Model	N/A
Model Difference	Only difference in model name
Channel List	Please refer to the Note 2.
Bluetooth	Frequency:2402 – 2480 MHz Modulation: GFSK(1Mbps), $\pi/4$ -DQPSK(2Mbps), 8-DPSK(3Mbps)
Adapter	Input:AC 100-240V,50/60Hz,0.15A Output:DC 5V,550mA
Battery	Rated Voltage: 3.7V Charge Limit: 4.2V capacity :2000mAh
Hardware version number	A80B_MB_ V1.1
Software versioning number	GST_A80_M20_W982P_324_V01
Connecting I/O Port(s)	Please refer to the User's Manual

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2.

Channel List					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	27	2429	54	2456
01	2403	28	2430	55	2457
02	2404	29	2431	56	2458
03	2405	30	2432	57	2459
04	2406	31	2433	58	2460
05	2407	32	2434	59	2461
06	2408	33	2435	60	2462
07	2409	34	2436	61	2463
08	2410	35	2437	62	2464
09	2411	36	2438	63	2465
10	2412	37	2439	64	2466
11	2413	38	2440	65	2467
12	2414	39	2441	66	2468
13	2415	40	2442	67	2469
14	2416	41	2443	68	2470
15	2417	42	2444	69	2471
16	2418	43	2445	70	2472
17	2419	44	2446	71	2473
18	2420	45	2447	72	2474
19	2421	46	2448	73	2475
20	2422	47	2449	74	2476
21	2423	48	2450	75	2477
22	2424	49	2451	76	2478
23	2425	50	2452	77	2479
24	2426	51	2453	78	2480
25	2427	52	2454		
26	2428	53	2455		

3.

Table for Filed Antenna

Ant .	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	N/A	PIFA Antenna	NA	0	BT Antenna

The EUT antenna is integral Antenna. no antenna other than that furnished by the responsible party shall be used with the device.

2.2 DESCRIPTION OF TEST MODES

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

Pretest Mode	Description
Mode 1	CH00
Mode 2	CH39
Mode 3	CH78

For Conducted Emission	
Final Test Mode	Description
Mode4	Charging

For Radiated Emission	
Final Test Mode	Description
Mode 1	CH00
Mode 2	CH39
Mode 3	CH78

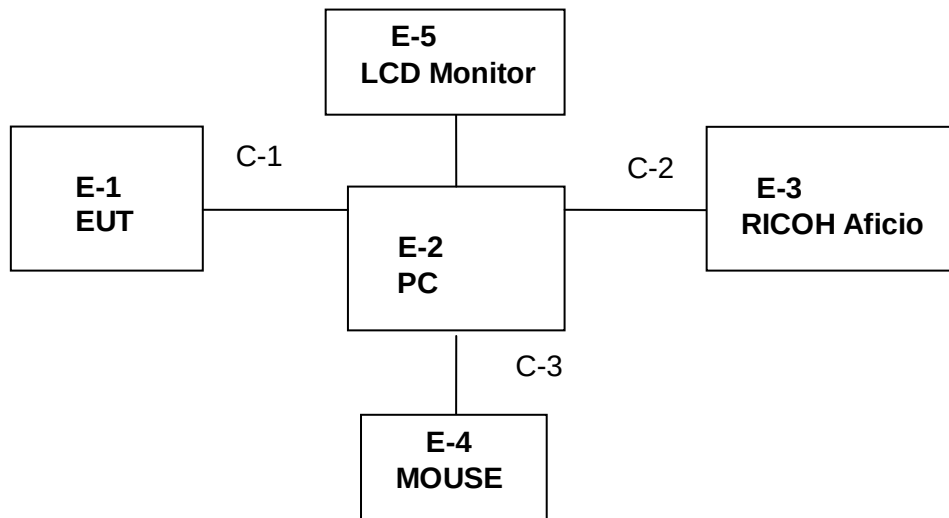
Note:

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

2.3 TABLE OF PARAMETERS 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 FHSS

Test software Version	Test program: N/A		
Frequency	2402 MHz	2441 MHz	2480 MHz
Parameters(1Mbps)	DEF	DEF	DEF

2.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED**2.5 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)**

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.	Series No.	Note
E-1	3G MOBILE PHONE	unnecto ™	U-830-2	N/A	EUT
E-2	PC	Lenovo	Eraser X310	i54460	
E-3	RICOH Aficio	LI GUANG	3025 PCL 6	125471	
E-4	MOUSE	SteelSeries	Kinzu v2 Pro	584667	
E-5	LCD Monitor	DELL	E178W FPC	CN-OWY 564-64180-7C4-2SQH	
E-6					

Item	From /Port	To	Length	Note
Shielding D detachable USB Cable	Host	Mouse	1.5m	
Shielding D detachable K/B Cable	Host	Keyboard	1.5m	
Shielding D detachable VG A Cable	Host	LCD Monitor	1.5m	
Shielding D detachable USB Cable	EUT	PC	1.0m	

Note:

- (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 『Length』 column.

2.6 EQUIPMENTS LIST FOR ALL TEST ITEMS**Radiation Test equipment**

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Agilent	E4407B	MY45108040	2014.07.06	2015.07.05	1 year
2	Test Receiver	R&S	ESPI	101318	2014.06.08	2015.06.07	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2014.07.06	2015.07.05	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	2014.06.06	2015.06.06	1 year
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2014.06.06	2015.06.06	1 year
6	Horn Antenna	EM	EM-AH-10180	2011071402	2014.07.06	2015.07.05	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2014.07.06	2015.07.05	1 year
8	Amplifier	EM	EM-30180	060538	2013.12.22	2014.12.21	1 year
9	Loop Antenna	ARA	PLA-1030/B	1029	2014.06.08	2015.06.07	1 year
10	Power Meter	R&S	NRVS	100696	2014.07.06	2015.07.05	1 year
11	Power Sensor	R&S	URV5-Z4	0395.1619.05	2014.07.06	2015.07.05	1 year

Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2014.06.06	2015.06.05	1 year
2	LISN	R&S	ENV216	101313	2014.08.24	2015.08.23	1 year
3	LISN	EMCO	3816/2	00042990	2014.08.24	2015.08.23	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264417	2014.06.06	2015.06.06	1 year
5	Passive Voltage Probe	R&S	ESH2-Z3	100196	2014.06.06	2015.06.06	1 year
6	Absorbing clamp	R&S	MOS-21	100423	2014.06.08	2015.06.07	1 year

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)		Standard
	Quasi-peak	Average	Quasi-peak	Average	
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	CISPR
0.50 -5.0	73.00	60.00	56.00	46.00	CISPR
5.0 -30.0	73.00	60.00	60.00	50.00	CISPR

0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	73.00	60.00	56.00	46.00	FCC
5.0 -30.0	73.00	60.00	60.00	50.00	FCC

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

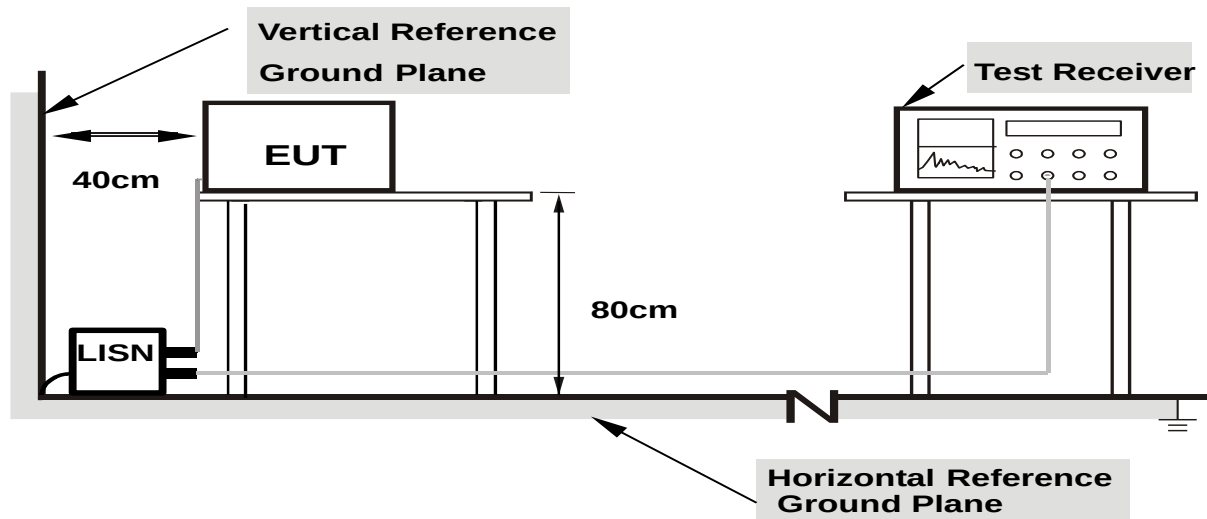
3.1.2 TEST PROCEDURE

- The EUT was placed 0.4 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 and forth in the center forming a bundle 30 to 40 cm long.
- 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.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.5 EUT OPERATING CONDITIONS

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

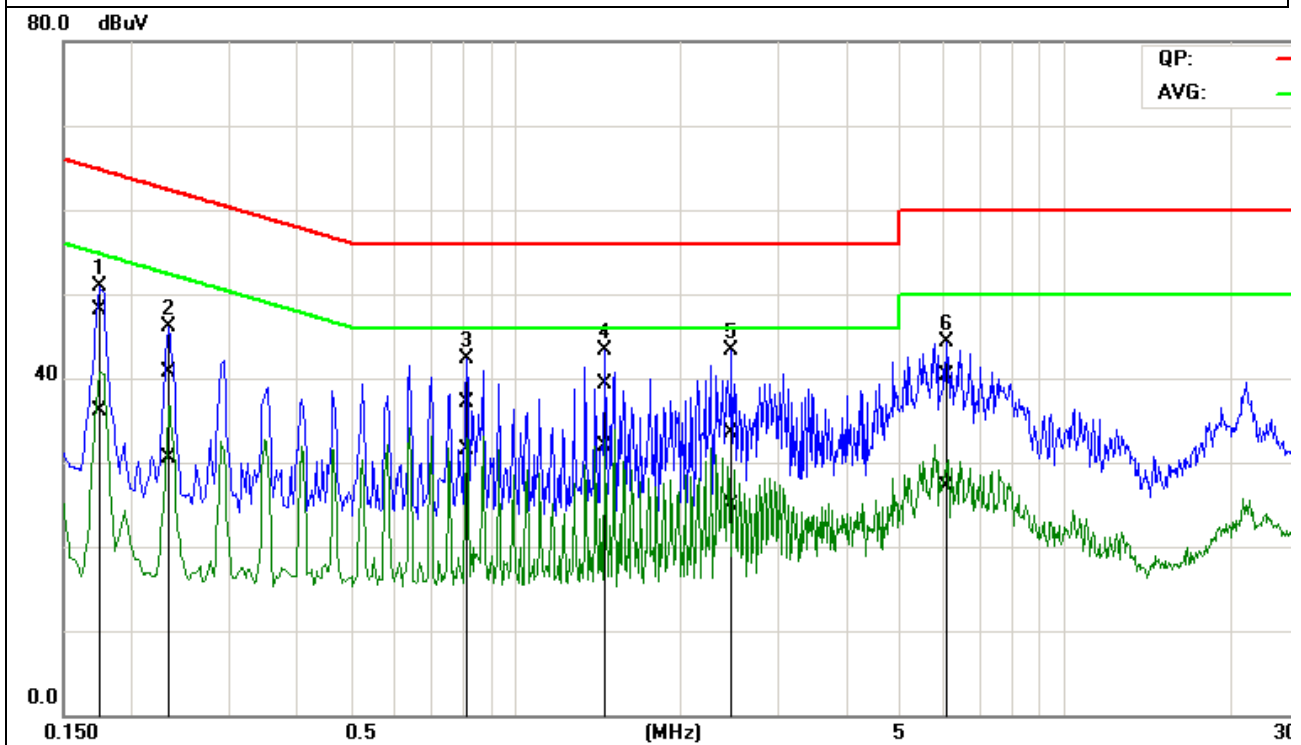
3.1.6 TEST RESULTS

EUT :	3G MOBILE PHONE	Model Name. :	U-830-2
Temperature :	23 °C	Relative Humidity :	50%
Pressure :	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode :	Link Mode

Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
0.1722	28.43	15.26	19.71	43.69	34.97	65.03	55.03	-21.34	-20.06	Pass
0.2312	21.21	13.34	19.62	34.55	32.96	59.74	49.74	-25.19	-16.78	Pass
0.8134	17.23	12.67	19.84	29.9	32.51	57.01	47.01	-27.11	-14.5	Pass
1.4523	19.43	1.15	19.88	39.31	21.03	56	46	-16.69	-24.97	Pass
2.4925	13.23	-0.54	19.99	33.22	19.45	56	46	-22.78	-26.55	Pass
6.1413	19.12	5.72	20.41	39.53	26.13	60	50	-20.47	-23.87	Pass

Remark:

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

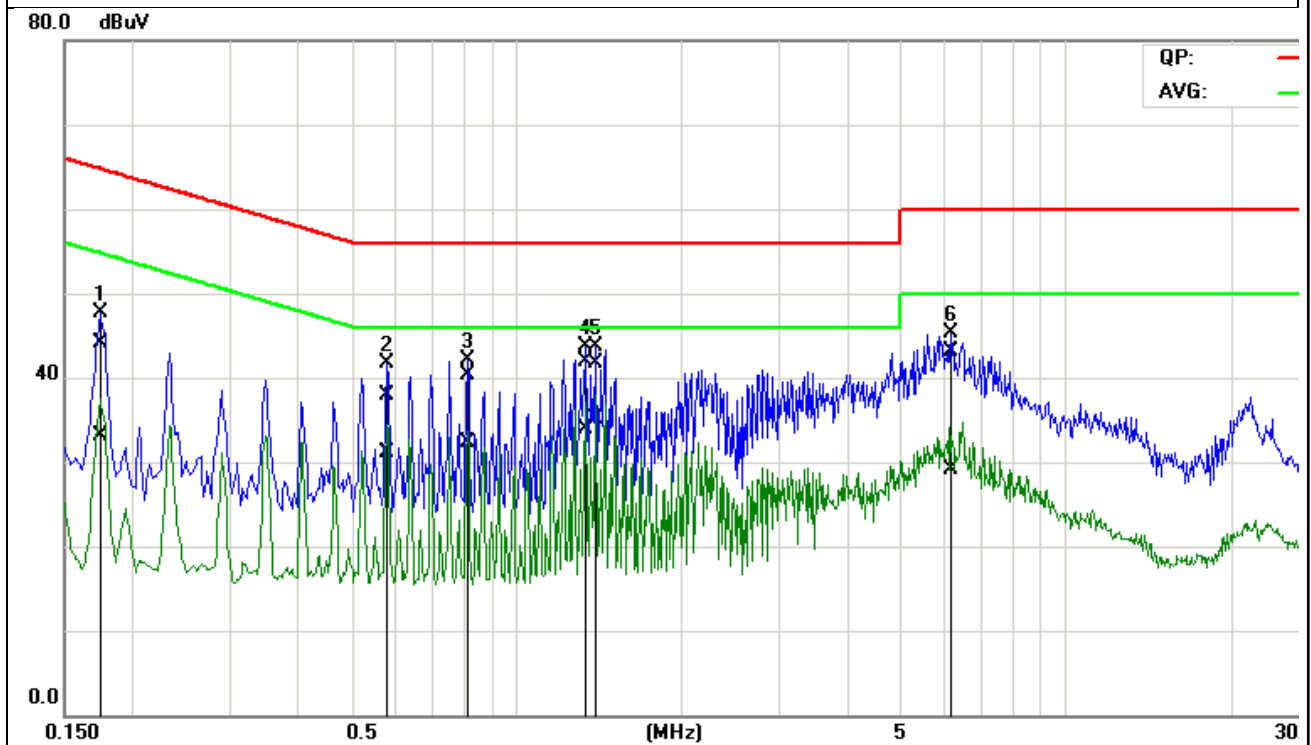


EUT :	3G MOBILE PHONE	Model Name. :	U-830-2
Temperature :	23 °C	Relative Humidity :	50%
Pressure :	1010hPa	Phase :	N
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode :	Link Mode

Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
0.1723	24.23	13.43	19.69	43.92	33.12	65.07	55.08	-21.15	-21.96	Pass
0.5754	18.12	11.25	19.85	37.97	31.1	64.09	54.09	-26.12	-22.99	Pass
0.8112	20.34	12.12	19.83	40.17	31.95	59.95	49.95	-19.78	-18	Pass
1.3345	22.32	14.15	19.87	42.19	34.02	56.83	46.83	-14.64	-12.81	Pass
1.3923	21.24	15.24	19.88	41.12	35.12	56	46	-14.88	-10.88	Pass
6.1845	22.12	8.74	20.42	42.54	29.16	60	50	-17.46	-20.84	Pass

Remark:

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



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

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.

Frequencies (MHz)	Field Strength (micorvolts/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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Class A (dBuV/m) (at 3M)		Class B (dBuV/m) (at 3M)	
	PEAK	AVERAGE	PEAK	AVERAGE
Above 1000	80	60	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

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

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

3.2.2 TEST PROCEDURE

- 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.
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment or of the substitution antenna shall be 0.8 m; 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.
- 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.
- 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.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

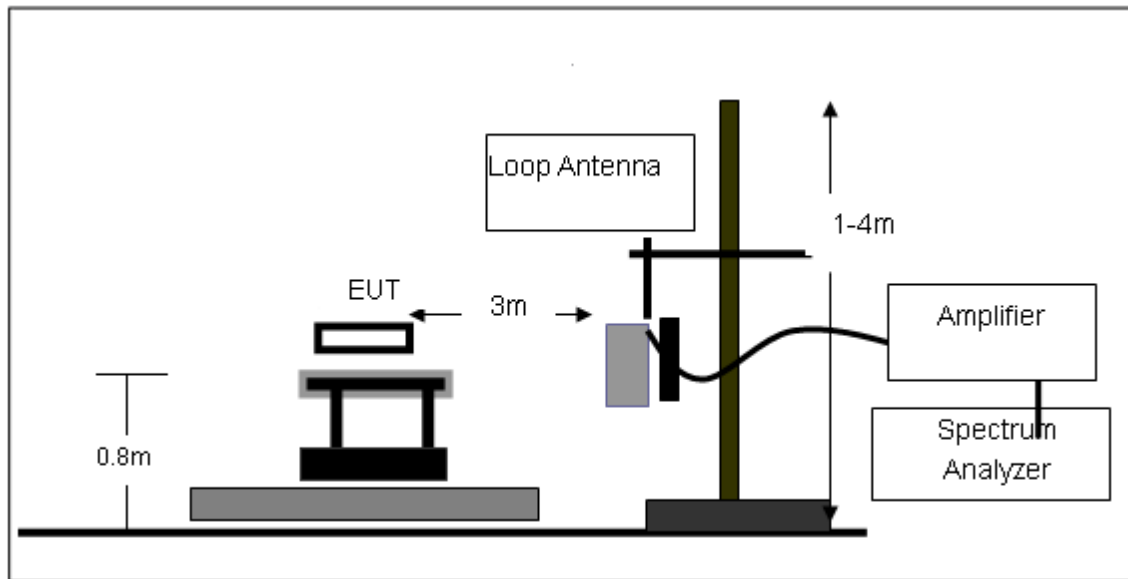
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

3.2.3 DEVIATION FROM TEST STANDARD

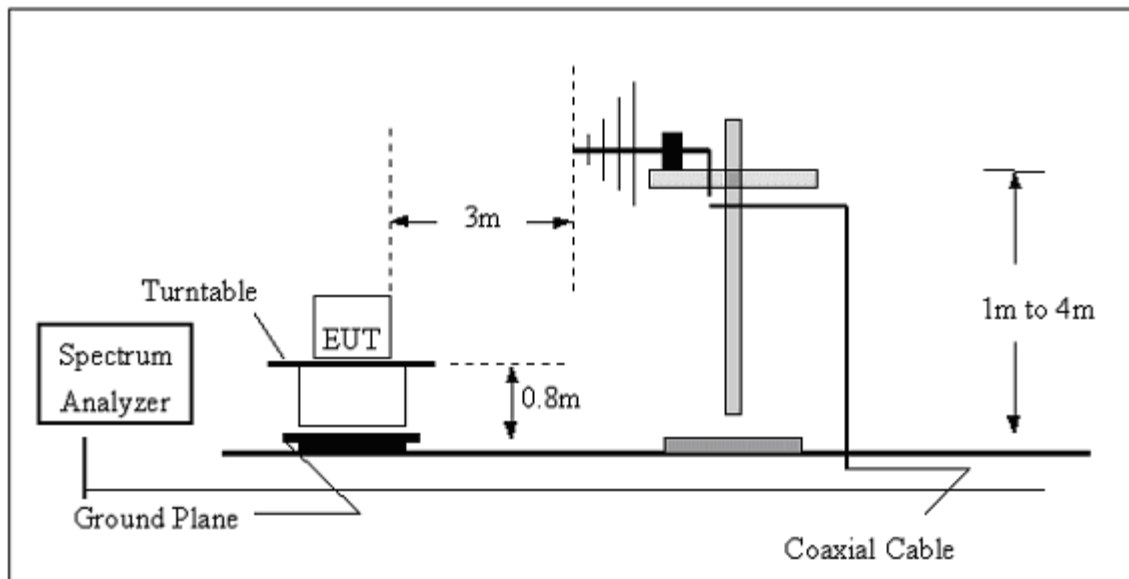
No deviation

3.2.4 TEST SETUP

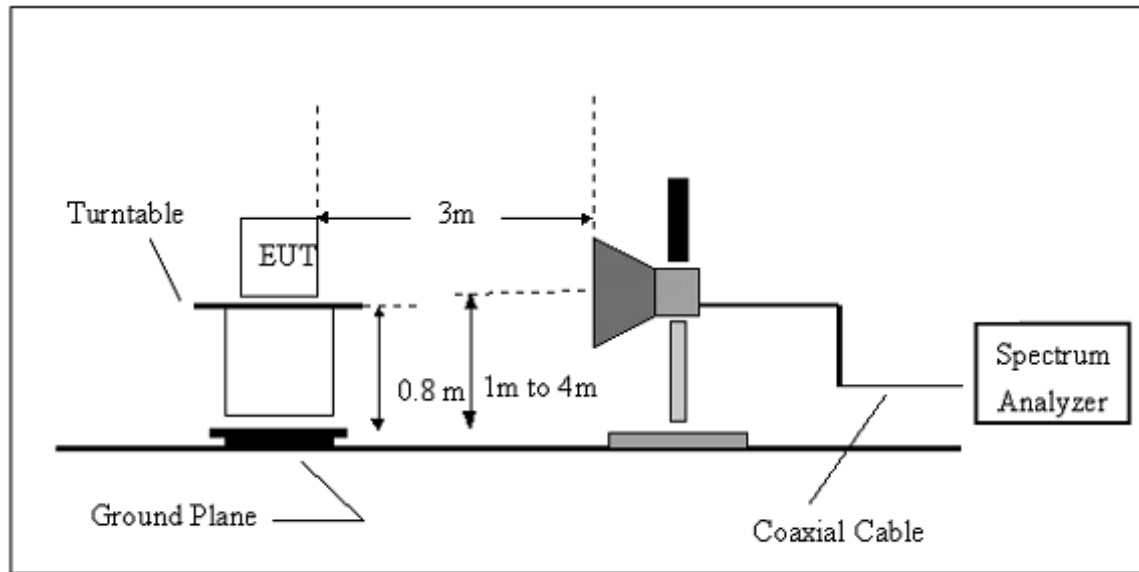
(A) Radiated Emission Test-Up Frequency Below 30MHz



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



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

**3.2.5 EUT OPERATING CONDITIONS**

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

3.2.6 TEST RESULTS (BELOW 30 MHZ)

EUT :	3G MOBILE PHONE	Model Name. :	U-830-2
Temperature :	23 °C	Relative Humidity :	50%
Pressure :	1010 hPa	Polarization :	---
Test Voltage :	AC 120V		
Test Mode :	TX Mode		

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

NOTE:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor = $40 \log (\text{specific distance}/\text{test distance})$ (dB);

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

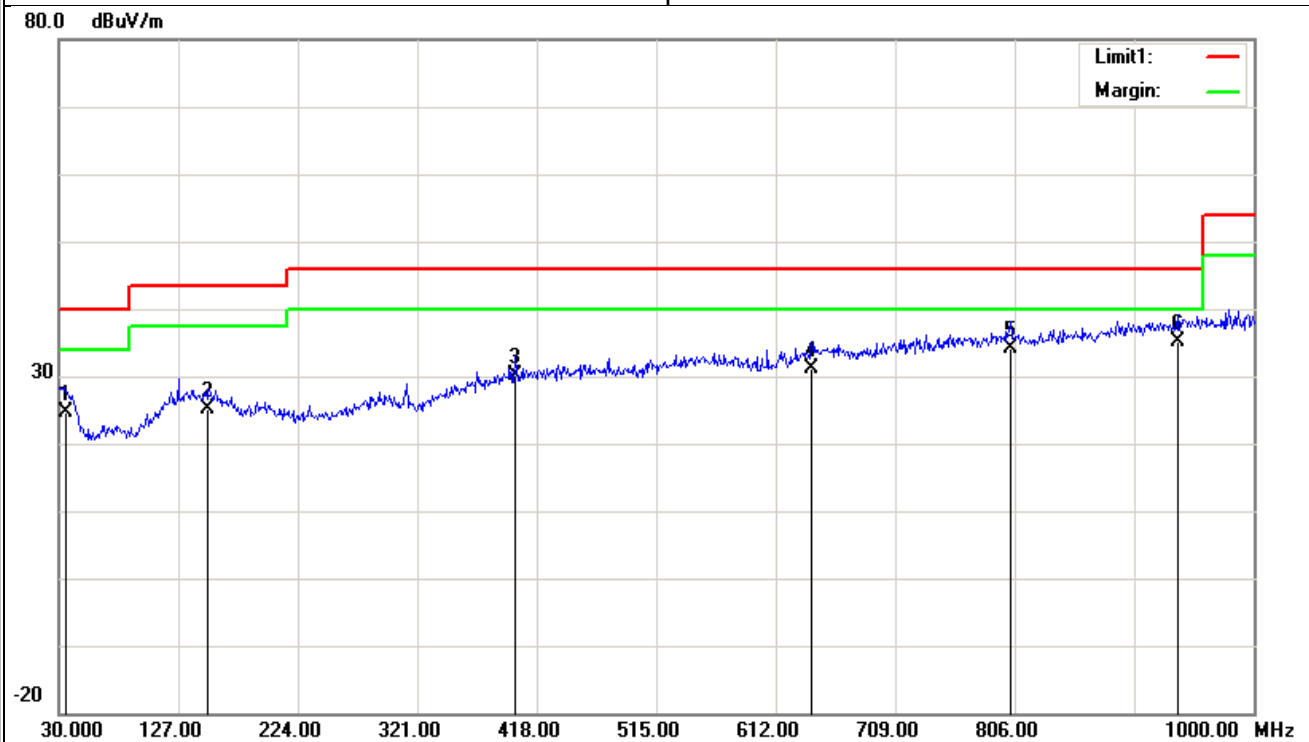
3.2.7 TEST RESULTS (BETWEEN 30M – 1000 MHZ)

EUT :	3G MOBILE PHONE	Model Name. :	U-830-2
Temperature :	23 °C	Relative Humidity :	50%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Voltage :	AC 120V		
Test Mode :	TX Mode		

Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
35.34	9.45	14.66	24.11	40	-15.89	100	19	QP
151.22	10.43	14.56	24.99	43.5	-18.51	200	84	QP
400.32	11.35	18.14	29.49	43.5	-14.01	100	134	QP
641.14	9.24	21.48	30.72	46	-15.28	100	155	QP
803.21	10.44	23.41	33.85	46	-12.15	100	95	QP
937.35	10.54	24.97	35.51	46	-10.49	100	169	QP

Remark:

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

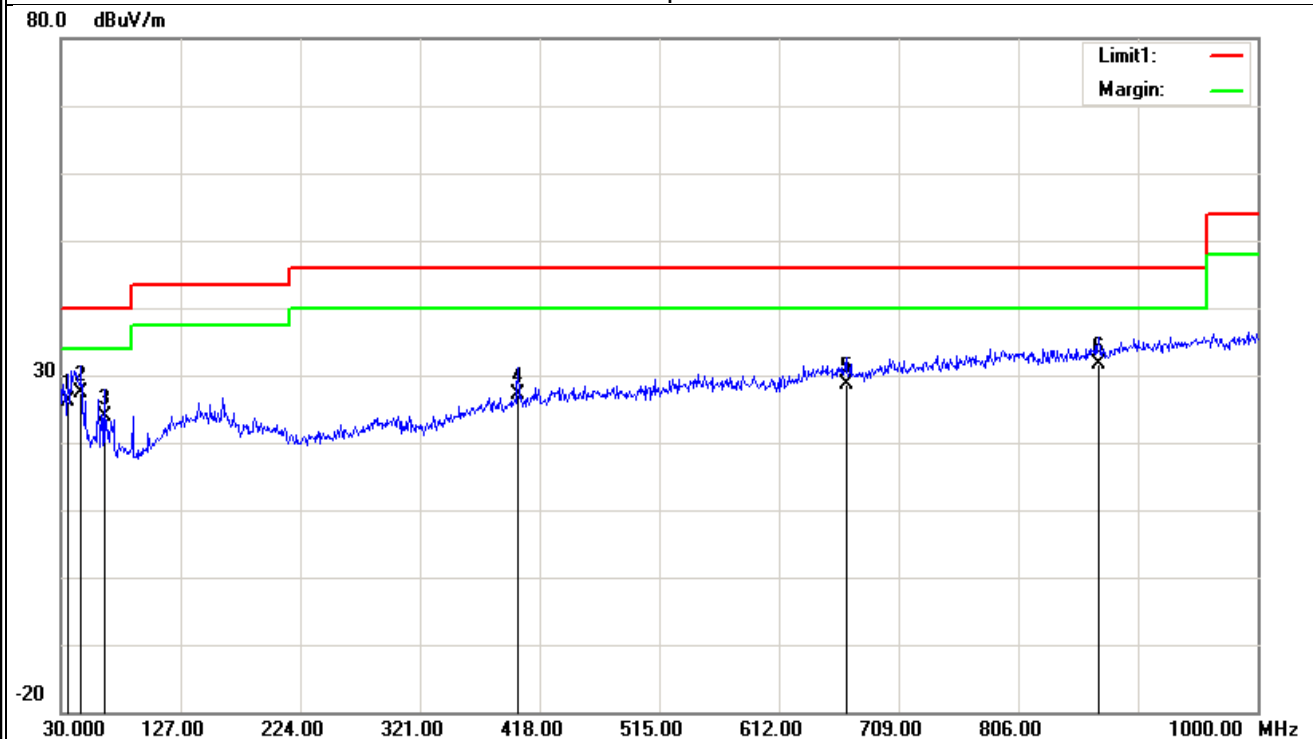


EUT :	3G MOBILE PHONE	Model Name. :	U-830-2
Temperature :	23 °C	Relative Humidity :	50%
Pressure :	1010 hPa	Polarization :	Vertical
Test Voltage :	AC 120V		
Test Mode :	TX Mode		

Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
35.43	11.34	14.66	26	40	-14	100	20	QP
46.34	16.23	10.38	26.61	40	-13.39	200	85	QP
64.34	15.54	8.63	24.17	43.5	-19.33	100	133	QP
400.23	9.23	18.14	27.37	46	-18.63	100	155	QP
666.45	7.45	21.55	29	46	-17	100	95	QP
870.23	8.43	23.63	32.06	46	-13.94	100	170	QP

Remark:

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



3.2.8 TEST RESU LTS (ABOVE 1000 MHZ)

Radiated Spurious Emission (Transmitting)

30MHz~25GHz:(Scan with GFSK, $\pi/4$ -DQPSK,8DPSK,the worst casw is GFSK Mode

Remark:

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

Emission Level = Meter Reading + Factor

Margin = Limit - Emission Level

3.2.8 TEST RESULTS (ABOVE 1000 MHZ)

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
Low Channel (2402 MHz)							
4804.199	55.23	-3.62	51.61	74	-22.39	Pk	Vertical
4804.261	47.43	-3.62	43.81	54	-10.19	AV	Vertical
7206.116	54.22	-0.9	53.32	74	-20.68	pk	Vertical
7206.090	43.23	-0.9	42.33	54	-11.67	AV	Vertical
4803.984	56.42	-3.64	52.78	74	-21.22	Pk	Horizontal
4804.028	46.23	-3.64	42.59	54	-11.41	AV	Horizontal
Mid Channel (2441 MHz)							
4882.117	56.34	-3.65	52.69	74	-21.31	Pk	Vertical
4882.122	48.23	-3.65	44.58	54	-9.42	AV	Vertical
7323.192	53.45	-0.82	52.63	74	-21.37	Pk	Vertical
7323.192	46.23	-0.82	45.41	54	-8.59	AV	Vertical
4882.124	56.43	-3.68	52.75	74	-21.25	Pk	Horizontal
4882.097	47.42	-3.68	43.74	54	-10.26	AV	Horizontal
High Channel (2480 MHz)							
4960.303	55.24	-3.59	51.65	74	-22.35	pk	Vertical
4960.252	45.45	-3.59	41.86	54	-12.14	AV	Vertical
4960.237	54.27	-3.59	50.68	74	-23.32	pk	Horizontal
4960.207	47.56	-3.59	43.97	54	-10.03	AV	Horizontal

Radiated band edge

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
GFSK							
2399.9	70.54	-12.99	57.55	74	-16.45	peak	Vertical
2399.9	70.21	-12.99	57.22	74	-16.78	peak	Horizontal
2483.6	71.21	-12.78	58.43	74	-15.57	peak	Vertical
2483.6	71.25	-12.78	58.52	74	-15.48	peak	Horizontal
π/4-DQPSK							
2399.9	71.24	-12.99	58.25	74	-15.75	peak	Vertical
2399.9	71.22	-12.99	58.23	74	-15.77	peak	Horizontal
2483.6	71.34	-12.78	58.56	74	-15.44	peak	Vertical
2483.6	71.25	-12.78	58.47	74	-15.53	peak	Horizontal
8DPSK							
2399.9	71.23	-12.99	58.24	74	-15.76	peak	Vertical
2399.9	71.23	-12.99	58.24	74	-15.76	peak	Horizontal
2483.6	71.24	-12.78	58.46	74	-15.54	peak	Vertical
2483.6	71.32	-12.78	58.54	74	-15.46	peak	Horizontal

NOTE: The result(PK) less than AV limite,No need shown AV result.

Hopping

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
GFSK							
2390	65.23	-12.99	52.24	74	-21.76	peak	Vertical
2390	65.21	-12.99	52.22	74	-21.78	peak	Horizontal
2483.5	66.24	-12.78	53.46	74	-20.54	peak	Vertical
2483.5	65.32	-12.78	52.54	74	-21.46	peak	Horizontal
π/4-DQPSK							
2390	65.25	-12.99	52.26	74	-21.74	peak	Vertical
2390	67.34	-12.99	54.35	74	-19.65	peak	Horizontal
2483.5	66.52	-12.78	53.74	74	-20.26	peak	Vertical
2483.5	66.23	-12.78	53.45	74	-20.55	peak	Horizontal
8DPSK							
2390	65.45	-12.99	52.46	74	-21.54	peak	Vertical
2390	65.24	-12.99	52.25	74	-21.75	peak	Horizontal
2483.5	67.21	-12.78	54.43	74	-19.57	peak	Vertical
2483.5	66.35	-12.78	53.57	74	-20.43	peak	Horizontal

4. CONDUCTED SPURIOUS EMISSIONS

4.1 REQUIREMENT

According to FCC section 15.247(d), in any 100kHz 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 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

4.1.2 TEST PROCEDURE

Spectrum Parameter	Setting
Detector	Peak
Start Frequency	30 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	100 KHz/300 KHz
Trace-Mode:	Max hold

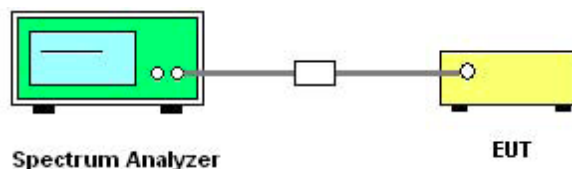
For Band edge

Spectrum Parameter	Setting
Attenuation	Auto
Start/Stop Frequency	Lower Band Edge: 2310 – 2404 MHz Upper Band Edge: 2478 – 2500 MHz
RB / VB (emission in restricted band)	100 KHz/300 KHz
Trace-Mode:	Max hold

4.1.2 DEVIATION FROM STANDARD

No deviation.

4.1.3 TEST SETUP



The EUT which is powered by the Battery, is coupled to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. Make the measurement with the spectrum analyzer's resolution bandwidth(RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW.

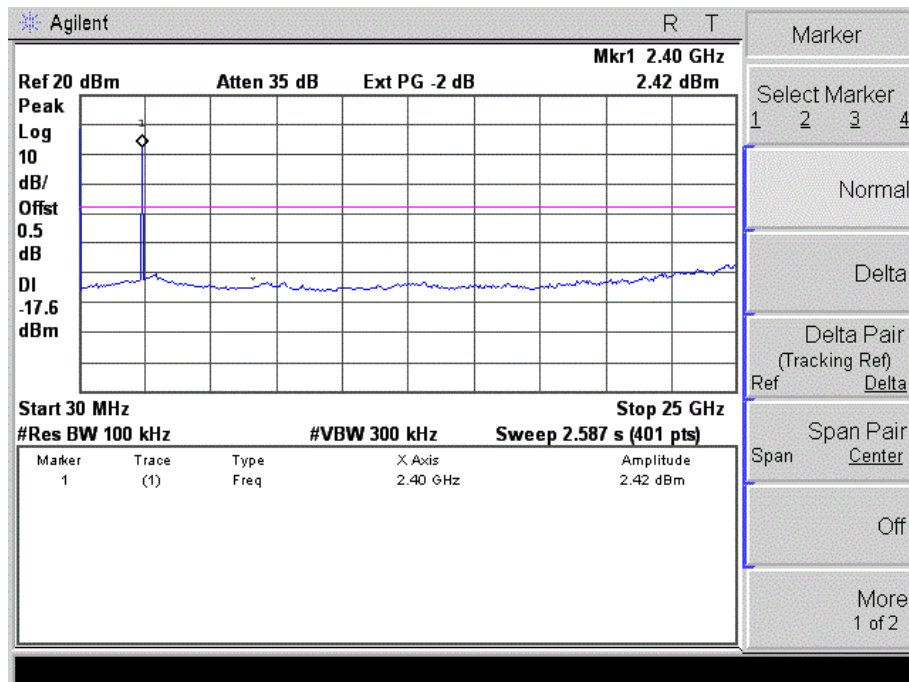
4.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

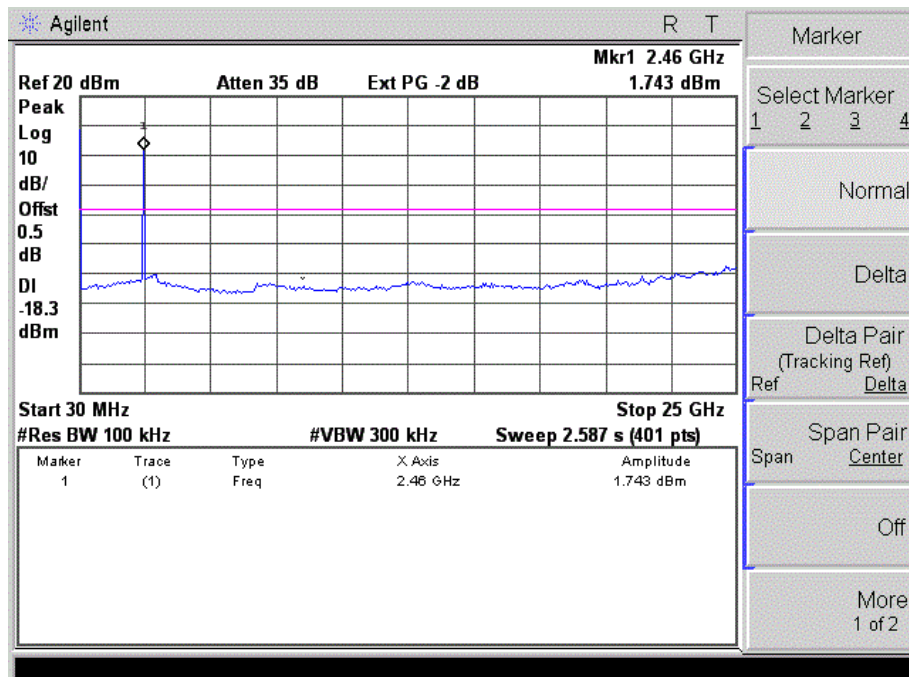
4.1.5 TEST RESULTS

EUT :	3G MOBILE PHONE	Model Name :	U-830-2
Temperature :	25 °C	Relative Humidity :	50%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	GFSK(1Mbps)-00/39/78 CH		

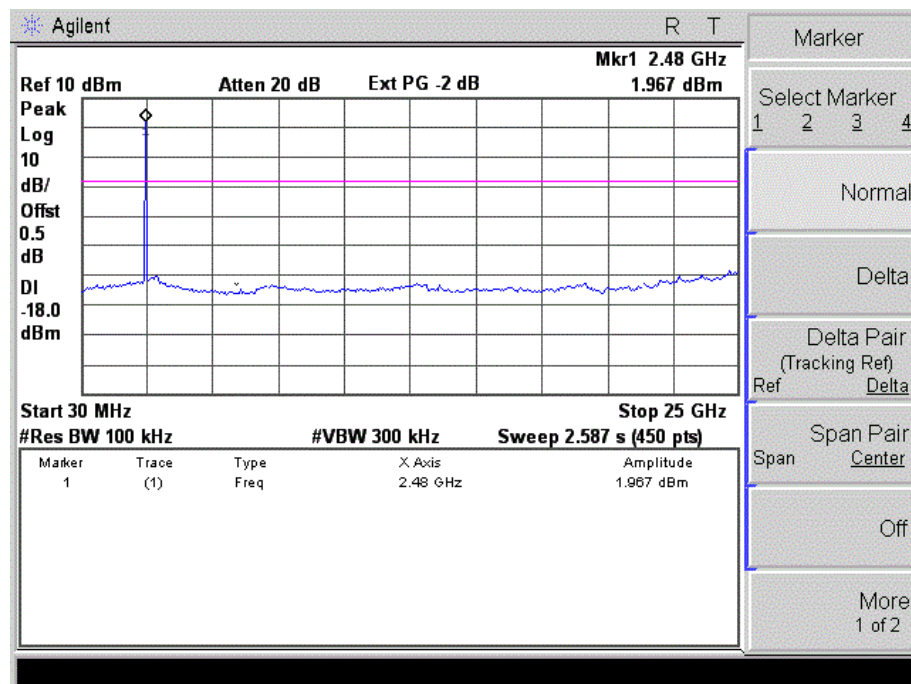
0 Channel



39 Channel

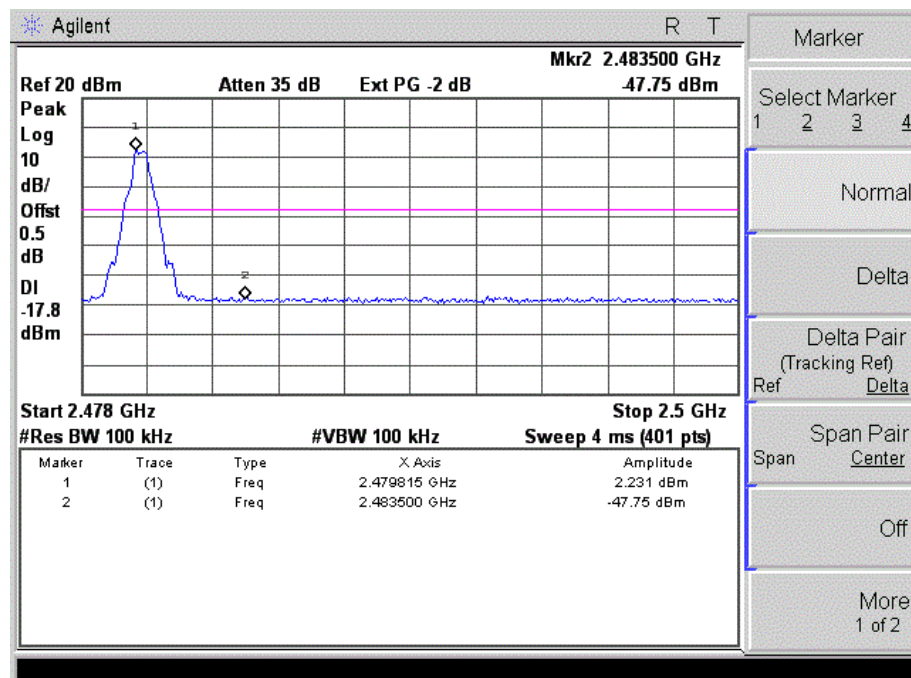


78 Channel

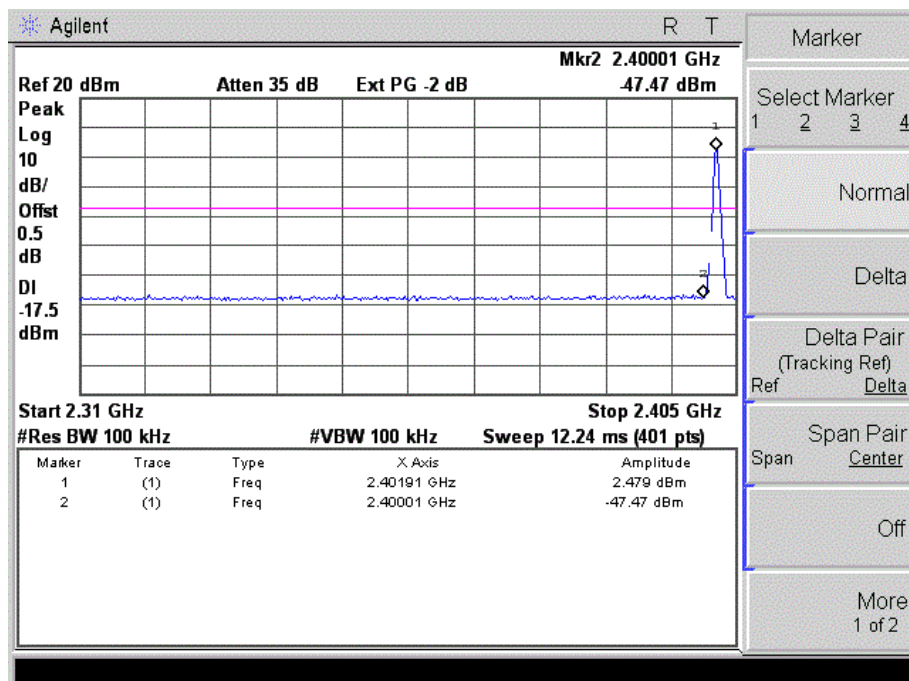


For Band edge

0 Channel

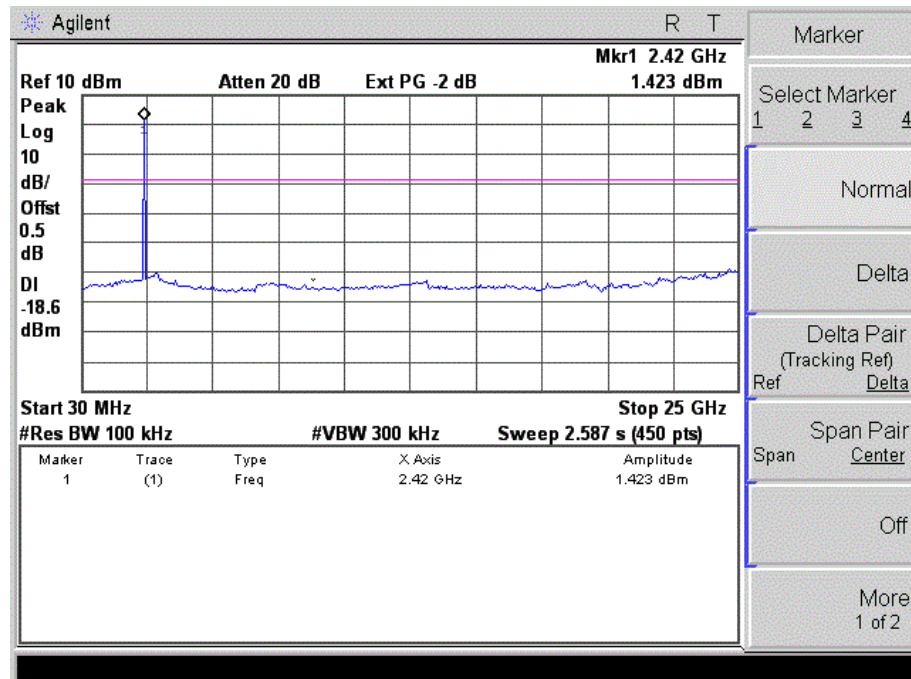


79 CH

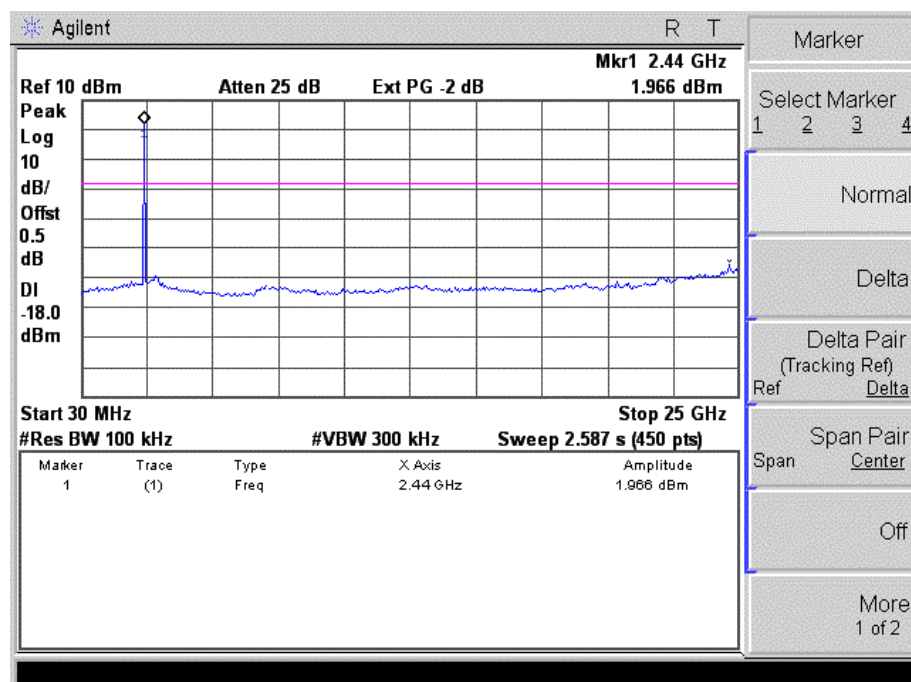


EUT :	3G MOBILE PHONE	Model Name :	U-830-2
Temperature :	25 °C	Relative Humidity :	50%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	$\pi/4$ -DQPSK(2Mbps) -00/39/78 CH		

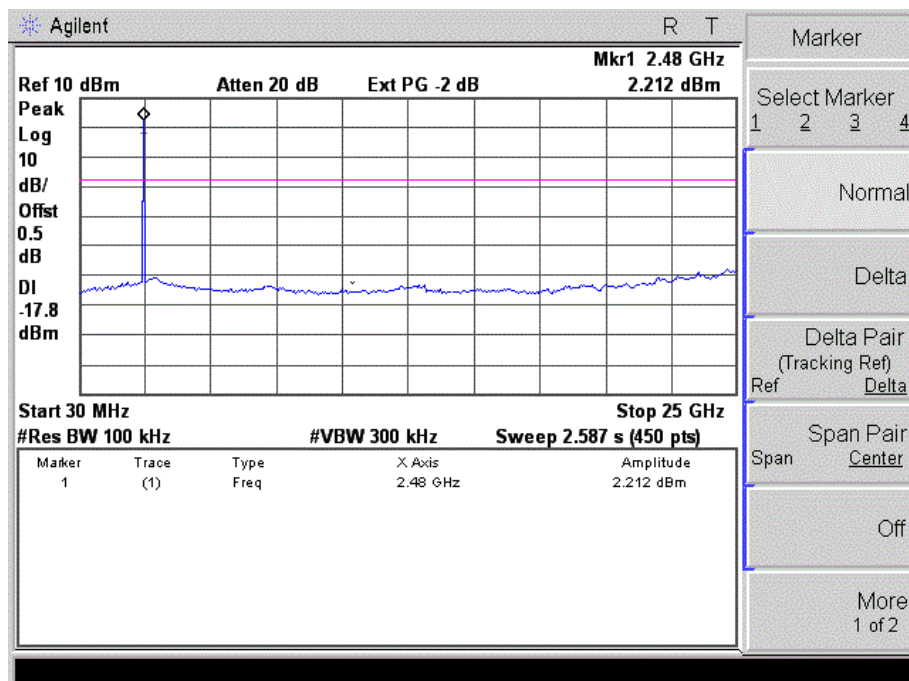
0 CH



39 CH

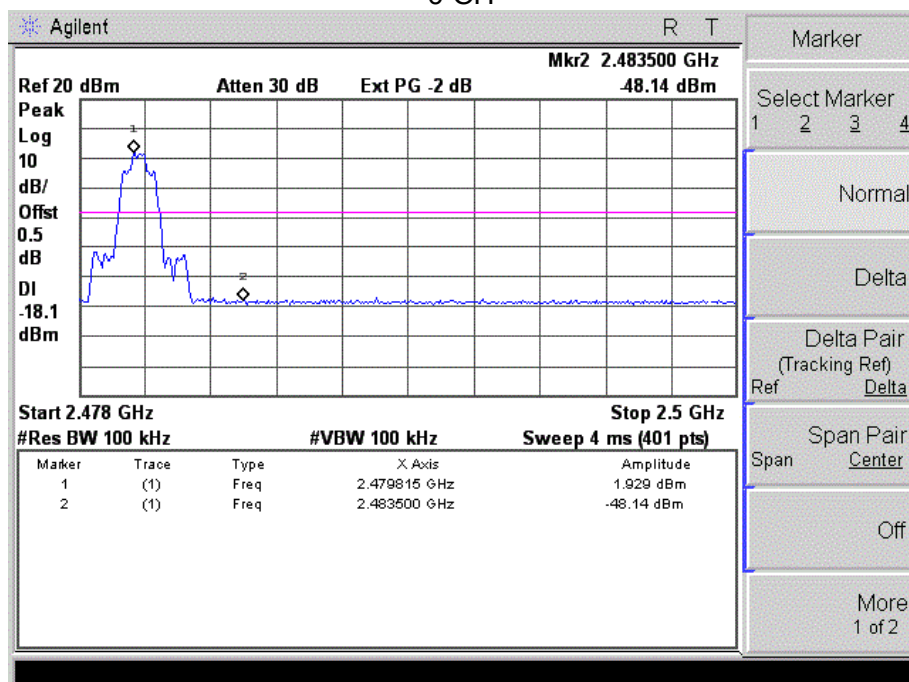


78 CH

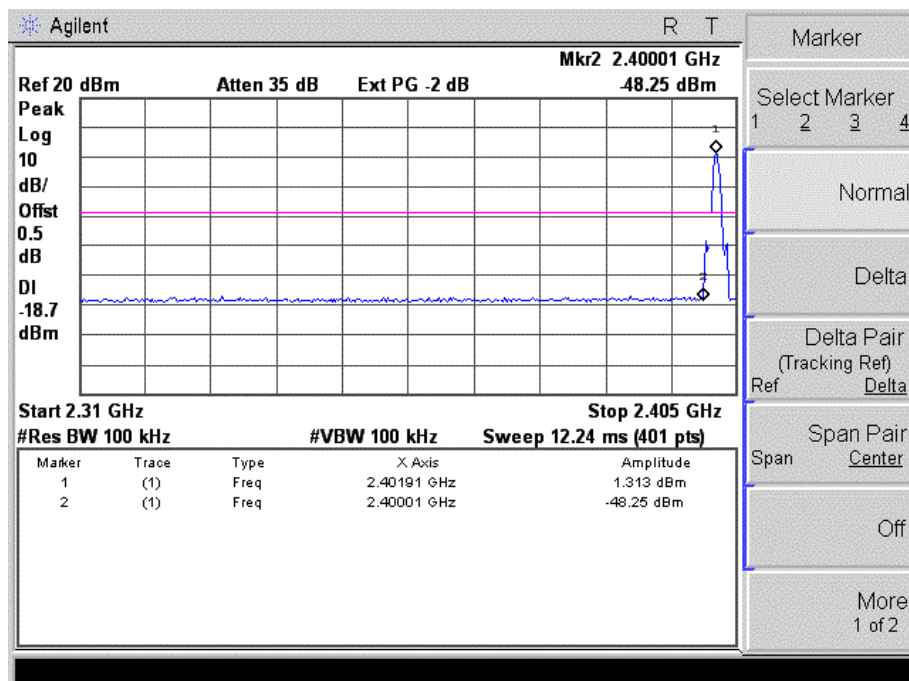


Band edge

0 CH

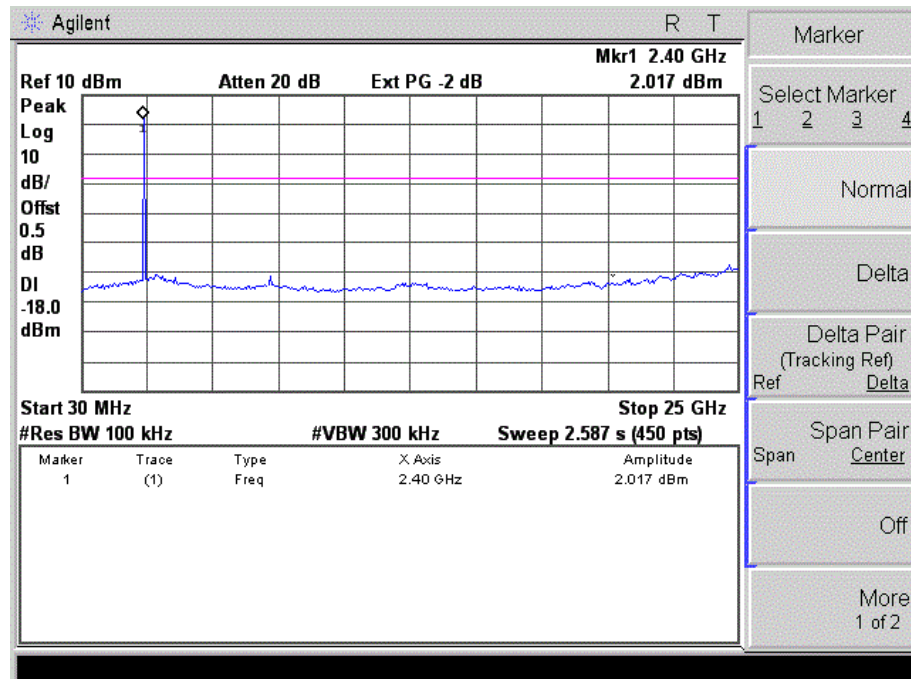


78 CH

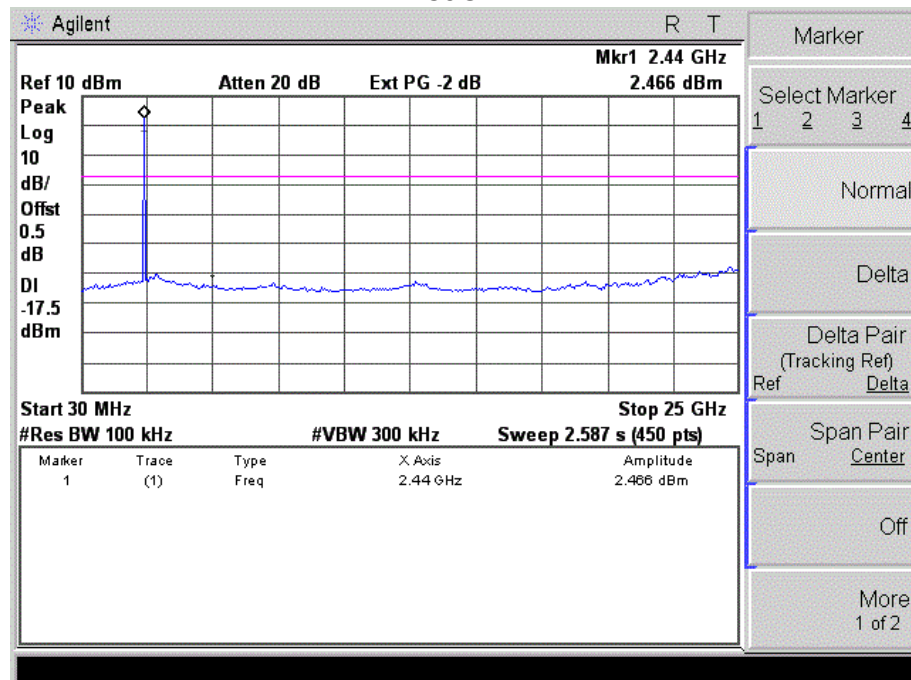


EUT:	3G MOBILE PHONE	Model Name :	U-830-2
Temperature :	25 °C	Relative Humidity :	50%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	8-DPSK(3Mbps) -00/39/78 CH		

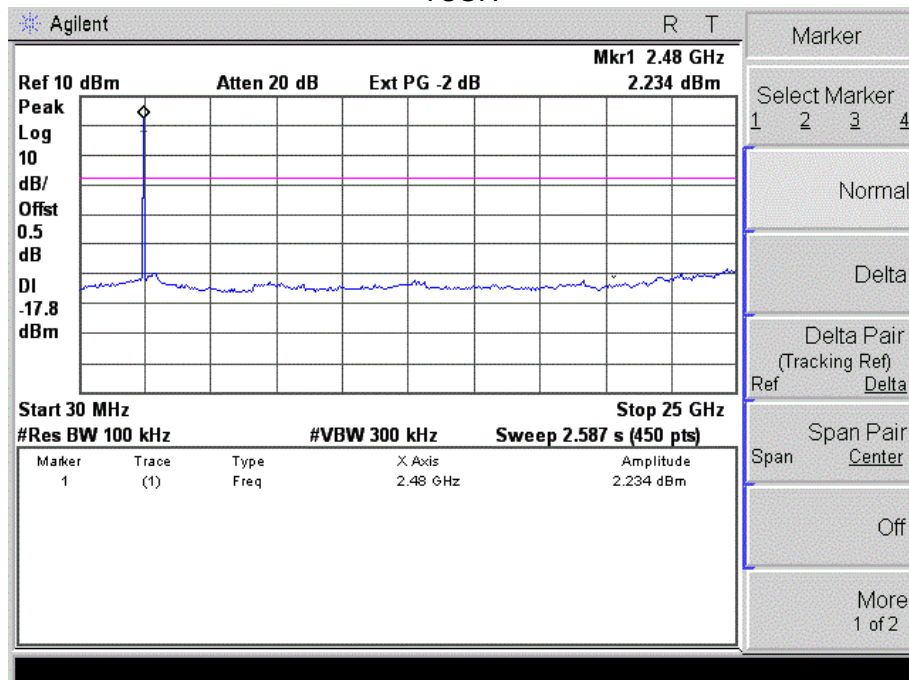
0 CH



39CH

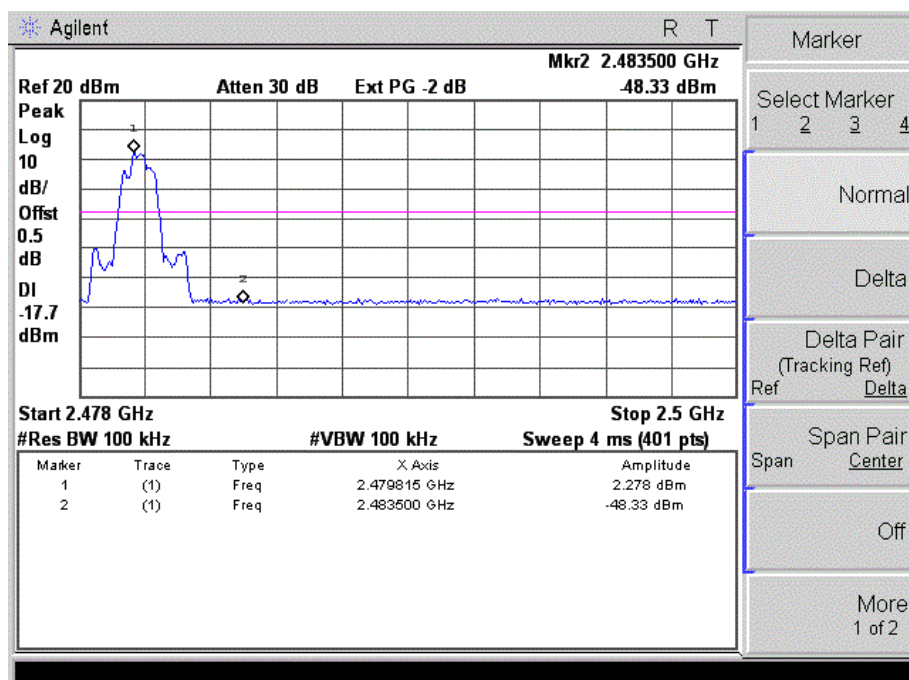


78CH

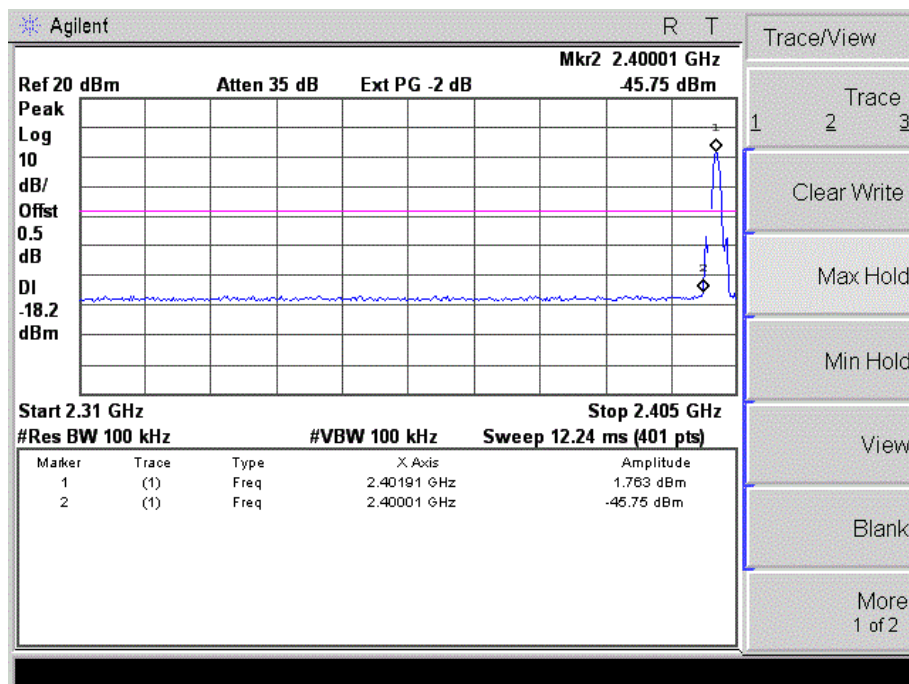


For Band edge

0 CH



78 CH



5. NUMBER OF HOPPING CHANNEL

5.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247 (a)(1)(iii)	Number of Hopping Channel	≥15	2400-2483.5	PASS

Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> Operating Frequency Range
RB	100 kHz
VB	100 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.1.1 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting : RBW= 100KHz, VBW=100KHz, Sweep time = Auto.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



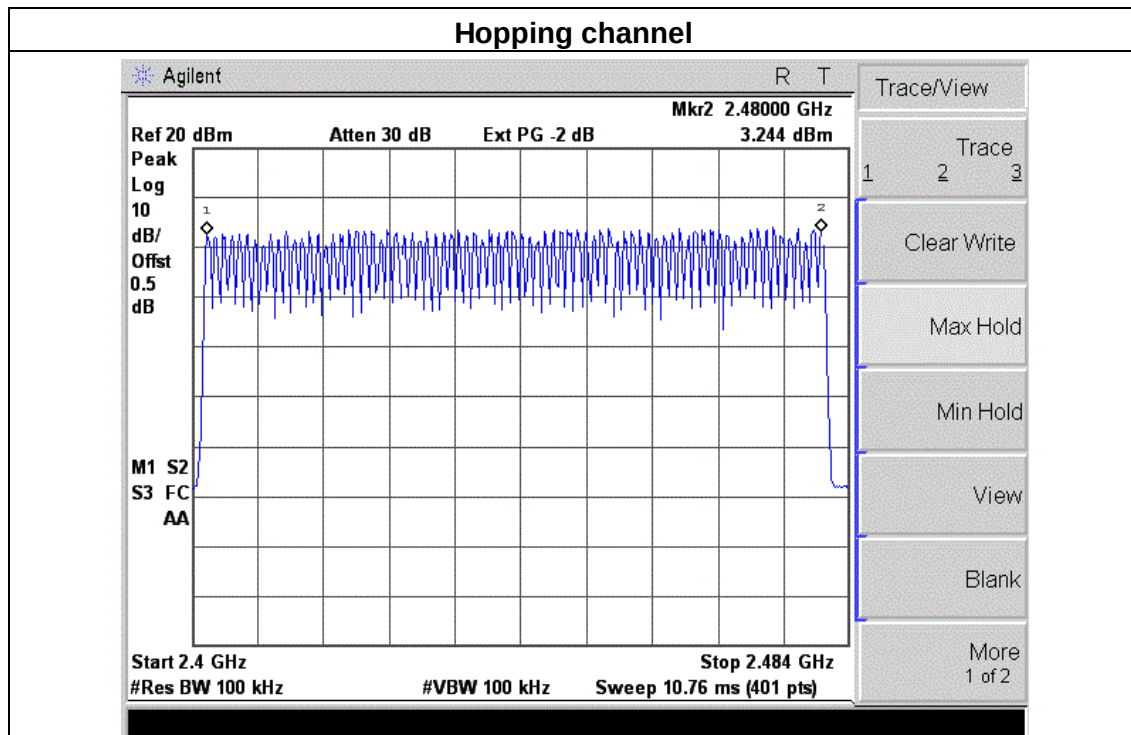
5.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

5.1.5 TEST RESULTS

EUT :	3G MOBILE PHONE	Model Name :	U-830-2
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1015 hPa	Test Voltage :	DC 3.7V
Test Mode :	Hopping Mode		

Number of Hopping Channel	79
---------------------------	----



6. AVERAGE TIME OF OCCUPANCY

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247 (a)(1)(iii)	Average Time of Occupancy	0.4sec	2400-2483.5	PASS

6.1.1 TEST PROCEDURE

- The transmitter output (antenna port) was connected to the spectrum analyzer
- Set RBW of spectrum analyzer to 1MHz and VBW to 1MHz.
- Use a video trigger with the trigger level set to enable triggering only on full pulses.
- Sweep Time is more than once pulse time.
- Set the center frequency on any frequency would be measure and set the frequency span to zero span.
- 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.
- DH5 Packet permit maximum $1600 / 79 / 6 = 3.37$ hops per second in each channel (5 time slots RX, 1 time slot TX). So, the dwell time is the time duration of the pulse times $3.37 \times 31.6 = 106.6$ within 31.6 seconds.
- DH3 Packet permit maximum $1600 / 79 / 4 = 5.06$ hops per second in each channel (3 time slots RX, 1 time slot TX). So, the dwell time is the time duration of the pulse times $5.06 \times 31.6 = 160$ within 31.6 seconds.
- DH1 Packet permit maximum $1600 / 79 / 2 = 10.12$ hops per second in each channel (1 time slot RX, 1 time slot TX). So, the dwell time is the time duration of the pulse times $10.12 \times 31.6 = 320$ within 31.6 seconds.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



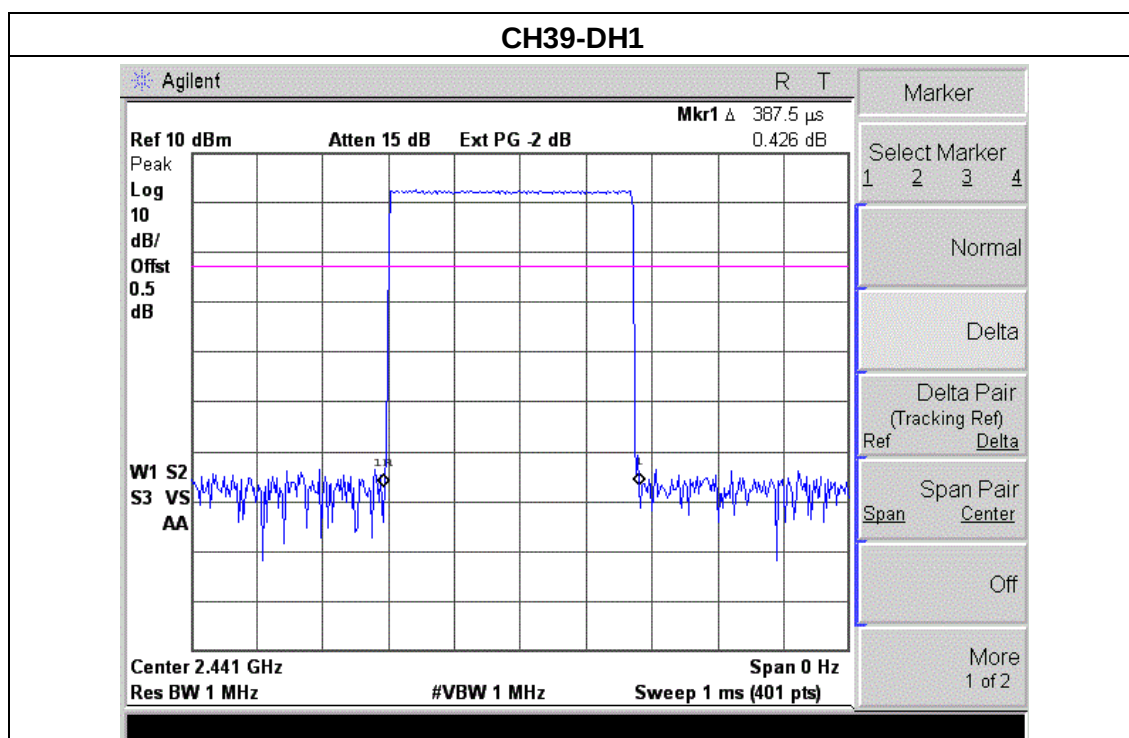
6.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

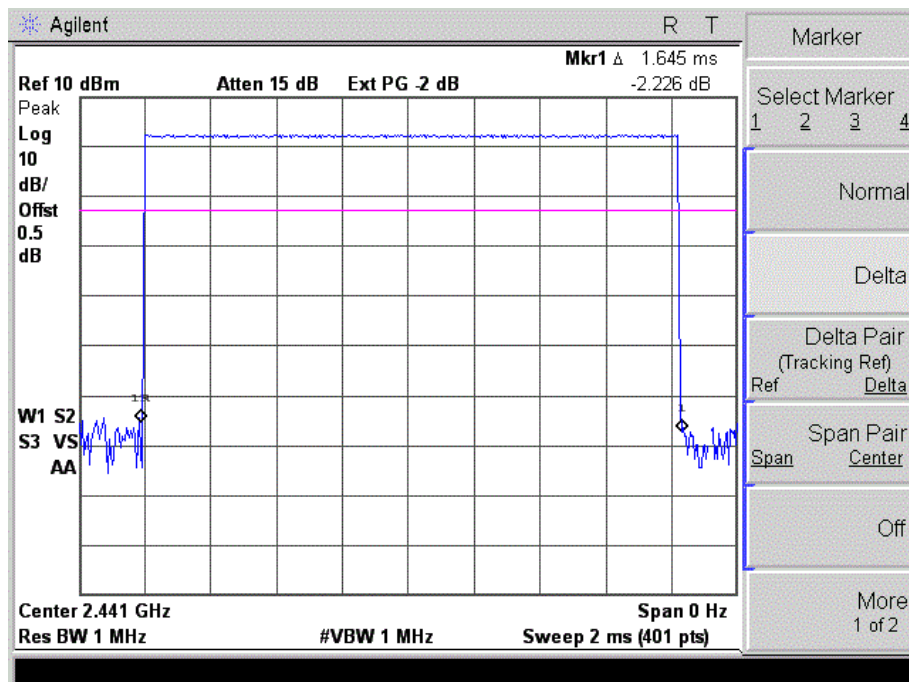
6.1.5 TEST RESULTS

EUT :	3G MOBILE PHONE	Model Name :	U-830-2
Temperature :	25 °C	Relative Humidity :	50%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	GFSK(1Mbps)-DH1/DH3/DH5		

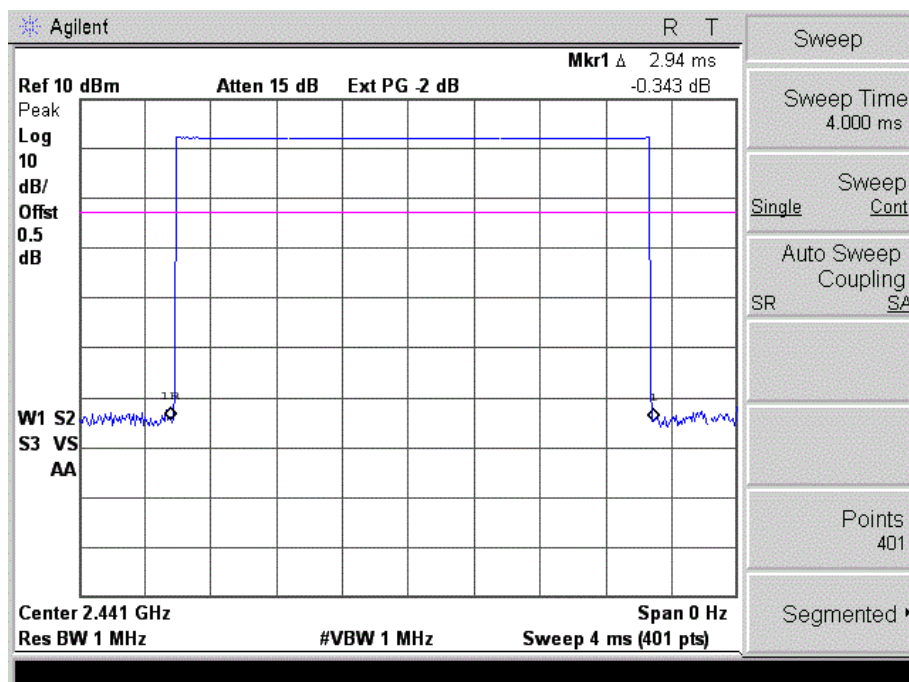
Data Packet	Frequency	Pulse Duration (ms)	Dwell Time (s)	Limits (s)
DH1	2441 MHz	0.387	0.12	0.4
DH3	2441 MHz	1.645	0.26	0.4
DH5	2441 MHz	2.940	0.31	0.4



CH39-DH3

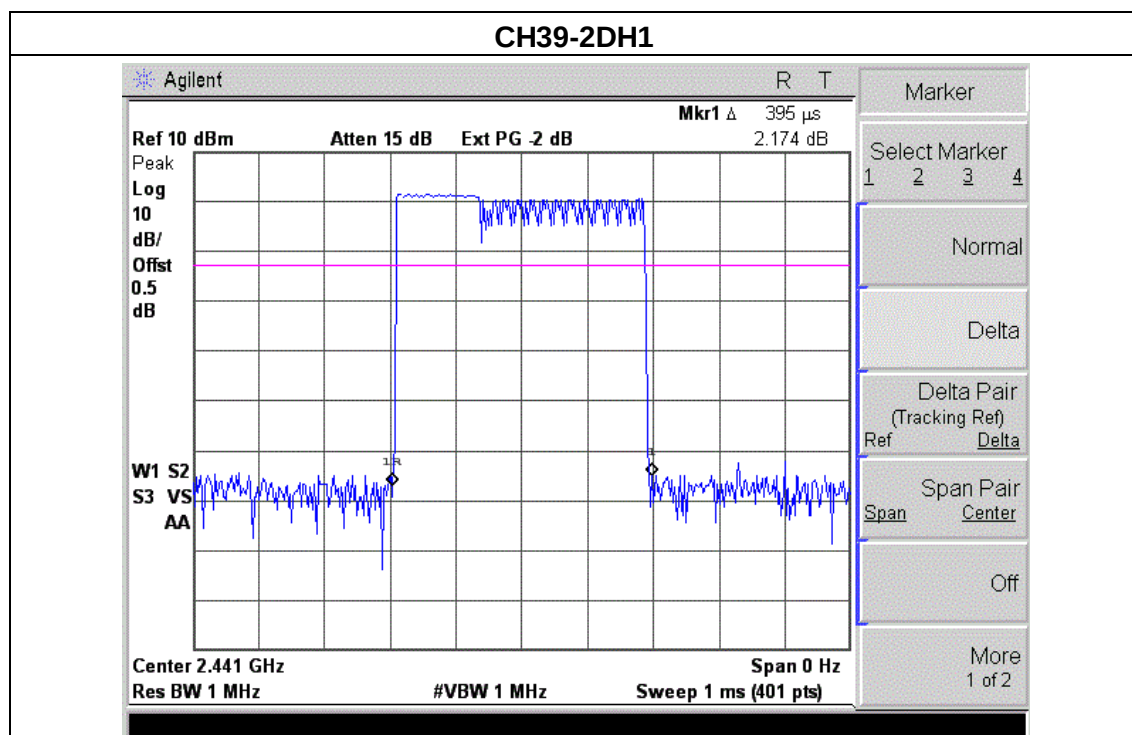


CH39-DH5

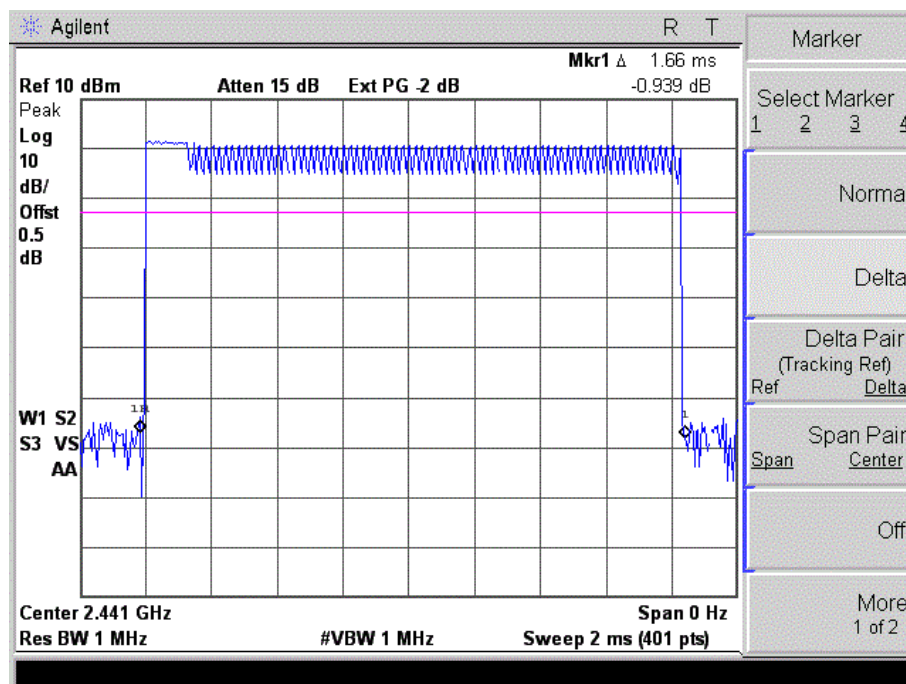


EUT :	3G MOBILE PHONE	Model Name :	U-830-2
Temperature :	25 °C	Relative Humidity :	50%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	$\pi/4$ -DQPSK(2Mbps) -2DH1/2DH3/2DH5		

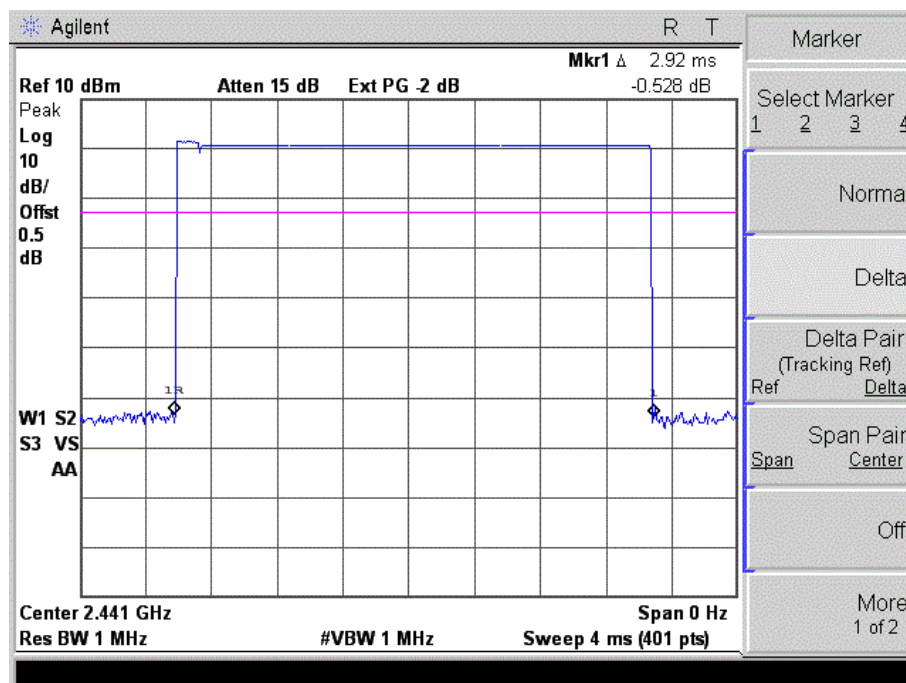
Data Packet	Frequen cy	Pulse Duration (ms)	Dwell Time (s)	Limits (s)
2DH1	2441 MHz	0.395	0.13	0.4
2DH3	2441 MHz	1.660	0.27	0.4
2DH5	2441 MHz	2.920	0.31	0.4



CH39-2DH3

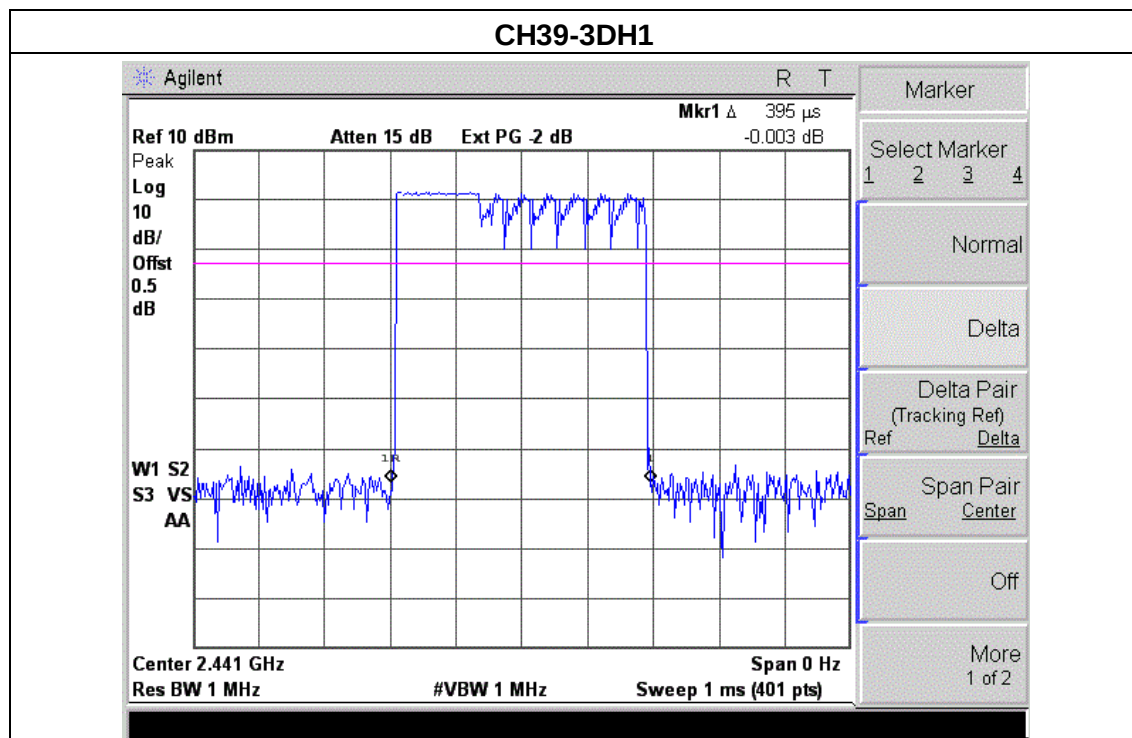


CH39-2DH5

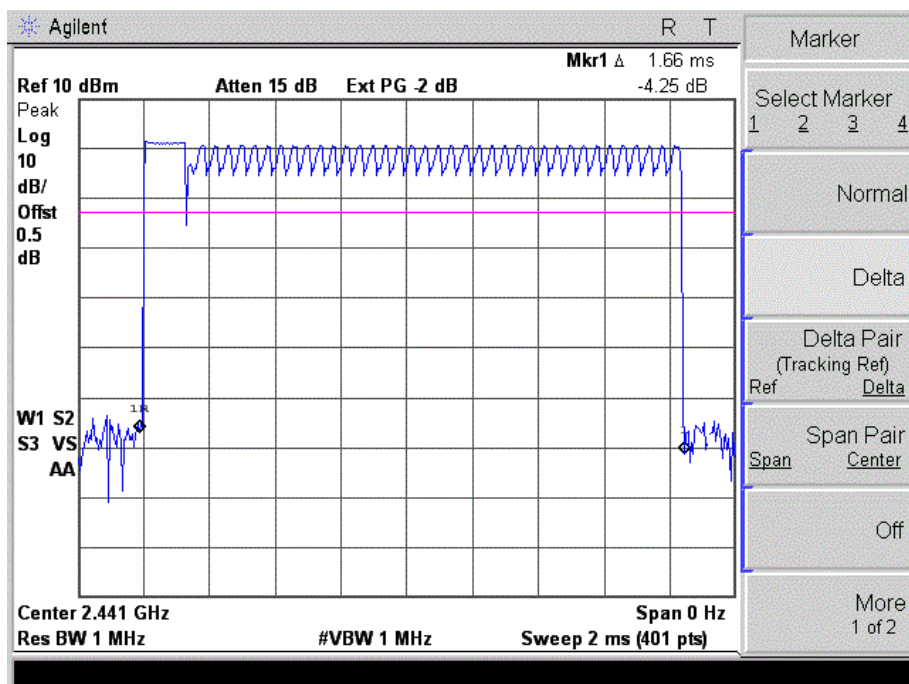


EUT :	3G MOBILE PHONE	Model Name :	U-830-2
Temperature :	25 °C	Relative Humidity :	50%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	8DPSK(2Mbps) -3DH1/3DH3/3DH5		

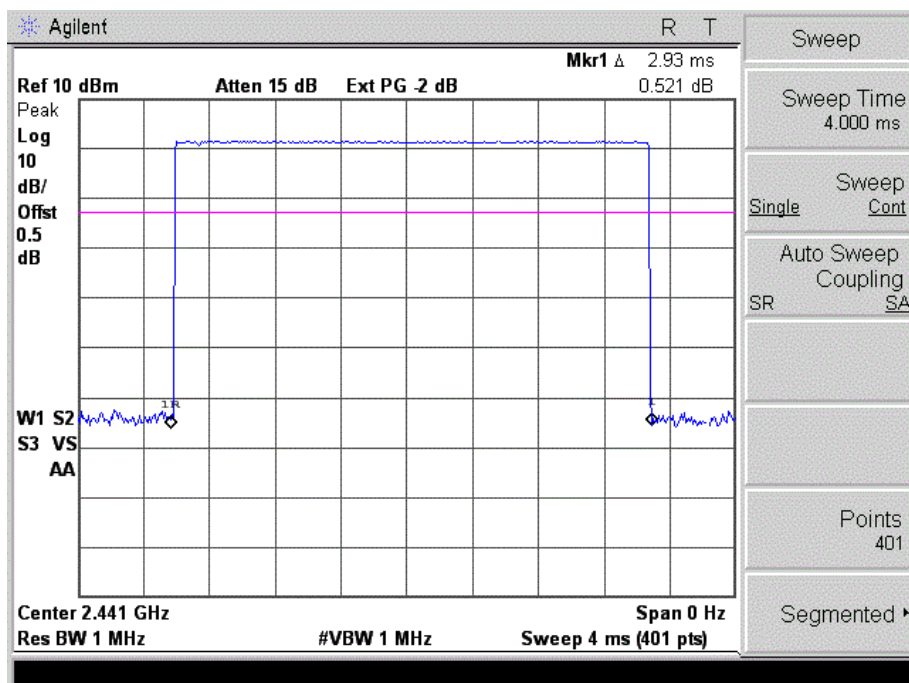
Data Packet	Frequen cy	Pulse Duration (ms)	Dwell Time (s)	Limits (s)
3DH1	2441 MHz	0.395	0.13	0.4
3DH3	2441 MHz	1.660	0.27	0.4
3DH5	2441 MHz	2.930	0.31	0.4



CH39-3DH3



CH39-3DH5



7. HOPPING CHANNEL SEPARATION MEASUREMENT

7.1 APPLIED PROCEDURES / LIMIT

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

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth or Channel Separation
RB	30 kHz (20dB Bandwidth) / 30 kHz (Channel Separation)
VB	100 kHz (20dB Bandwidth) / 100 kHz (Channel Separation)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

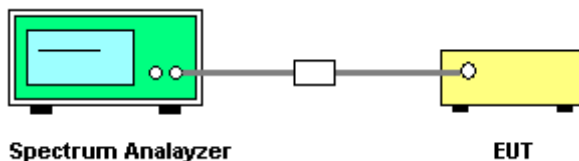
7.1.1 TEST PROCEDURE

- The transmitter output (antenna port) was connected to the spectrum analyser in peak hold mode.
- The resolution bandwidth of 30 kHz and the video bandwidth of 100 kHz were utilised for 20 dB bandwidth measurement.
- The resolution bandwidth of 30 kHz and the video bandwidth of 100 kHz were utilised for channel separation measurement.

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

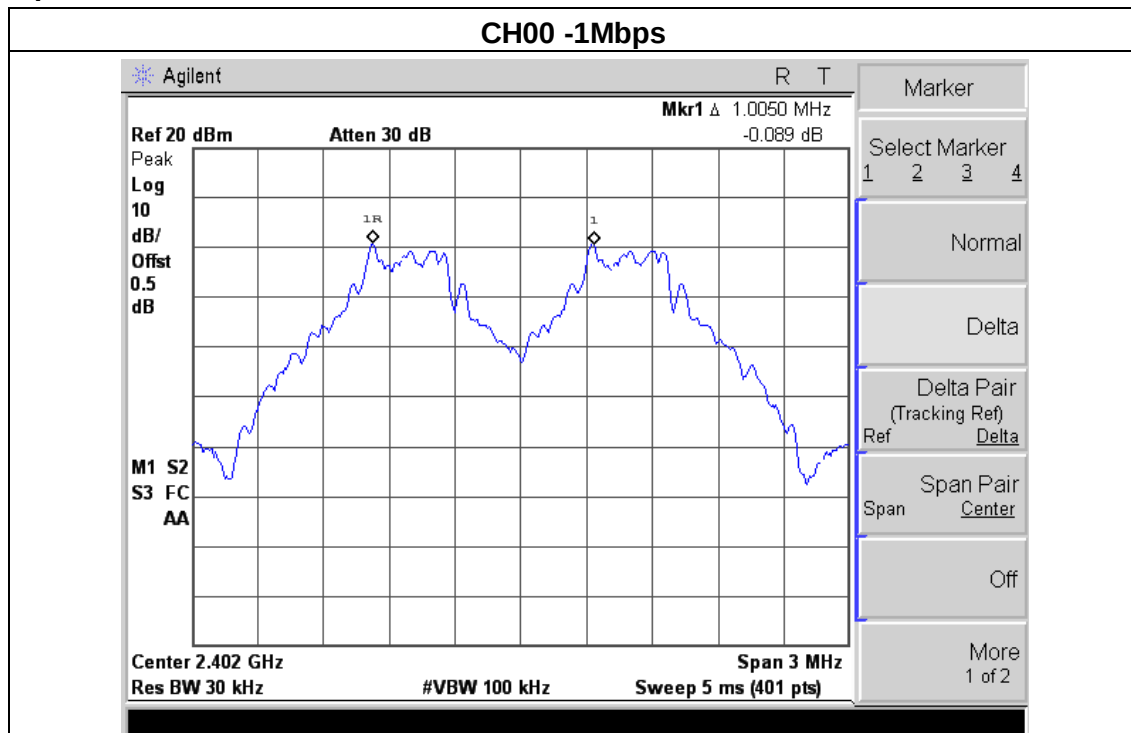
7.1.4 TEST RESULTS

EUT :	3G MOBILE PHONE	Model Name :	U-830-2
Temperature :	25 °C	Relative Humidity :	50%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH00 / CH39 /CH78 (GFSK(1Mbps) Mode)		

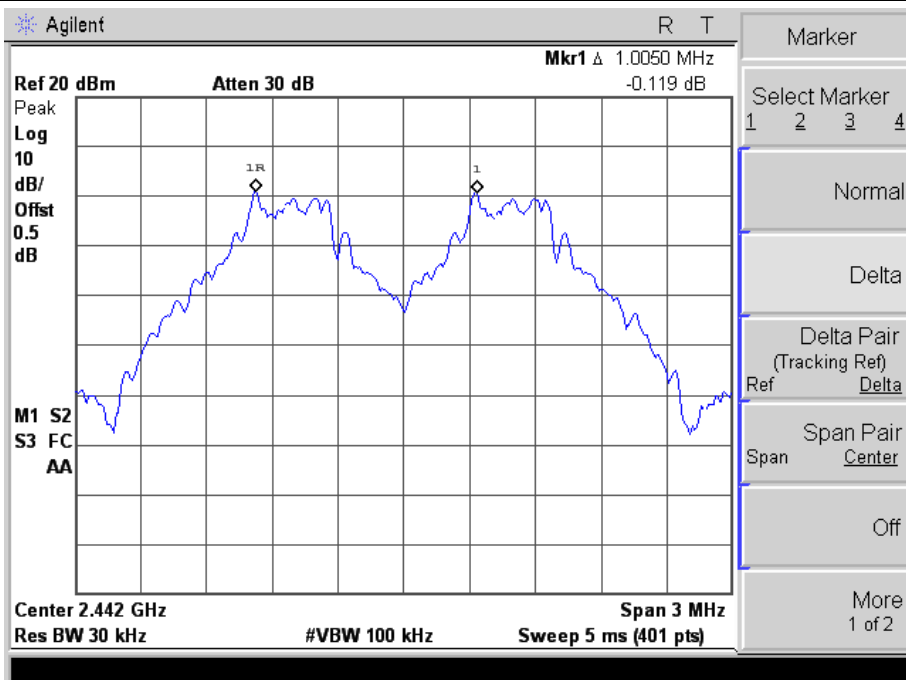
Frequency	Ch. Separation (MHz)	Result
2402 MHz	1.005	Complies
2441 MHz	1.005	Complies
2480 MHz	1.005	Complies

For GFSK:

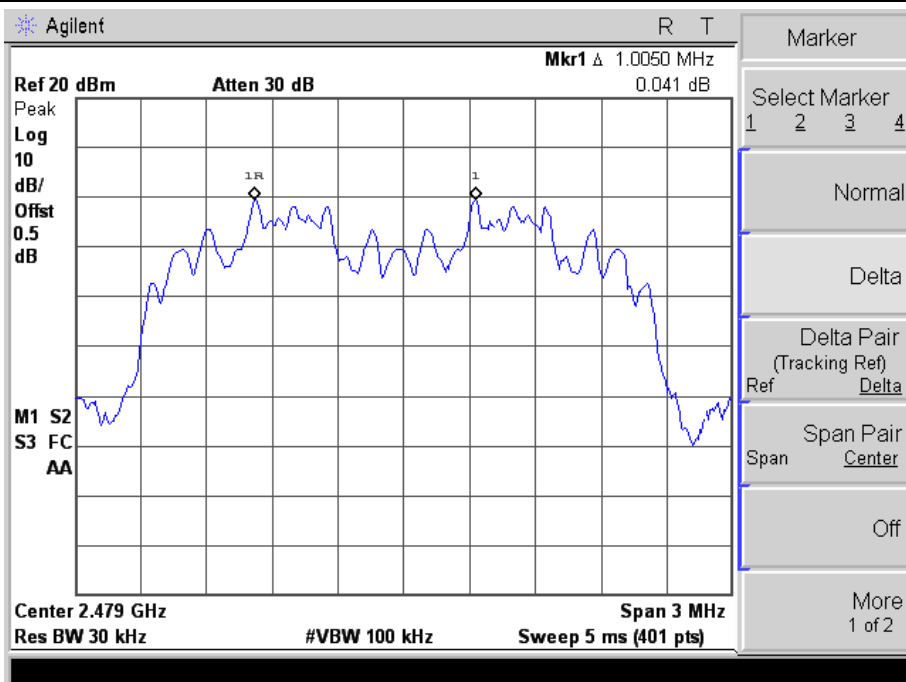
Ch. Separation Limits: > 20dB bandwidth



CH39 -1Mbps



CH78 -1Mbps

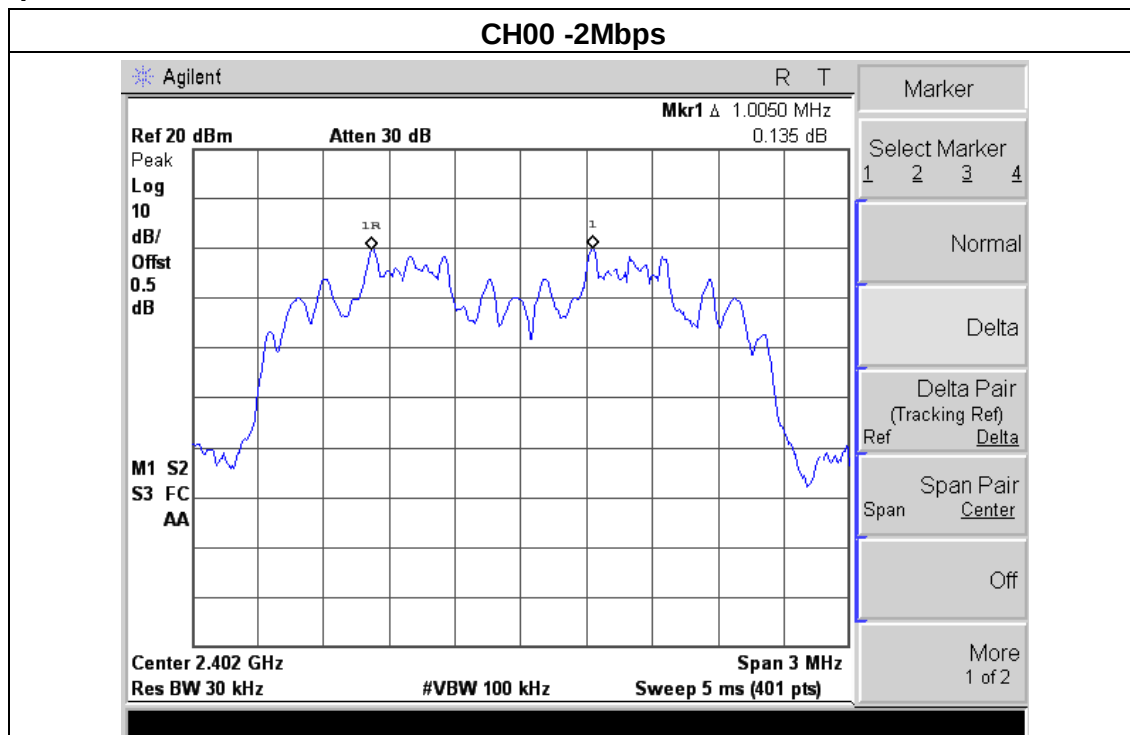


EUT :	3G MOBILE PHONE	Model Name :	U-830-2
Temperature :	25 °C	Relative Humidity :	50%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH00 / CH39 /CH78 ($\pi/4$ -DQPSK(2Mbps) Mode)		

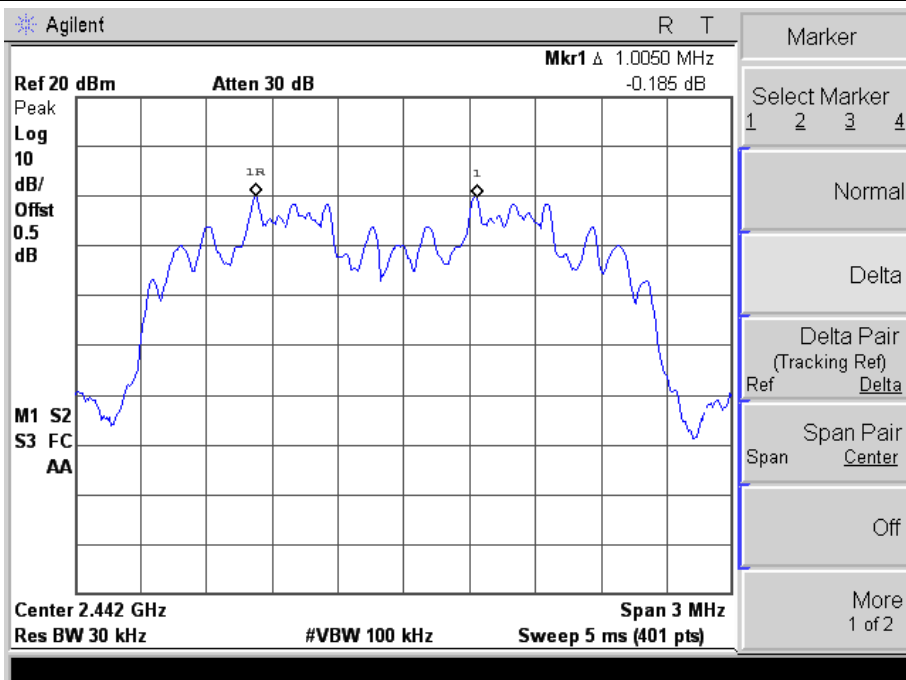
Frequency	Ch. Separation (MHz)	Result
2402 MHz	1.005	Complies
2441 MHz	1.005	Complies
2480 MHz	1.005	Complies

For $\pi/4$ -DQPSK(2Mbps):

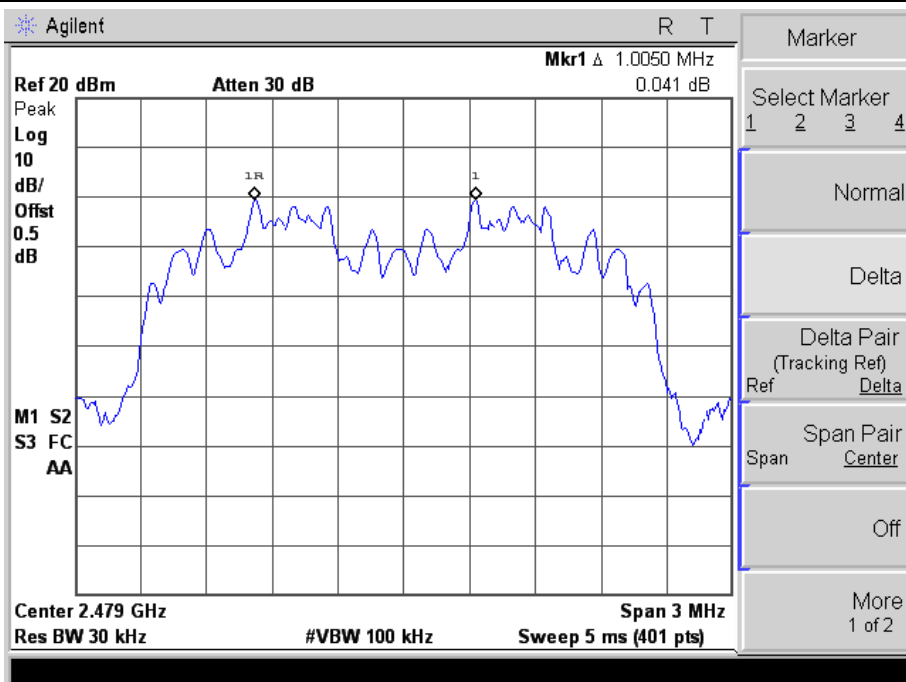
Ch. Separation Limits: > two-thirds 20dB bandwidth



CH39 -2Mbps



CH78 -2Mbps

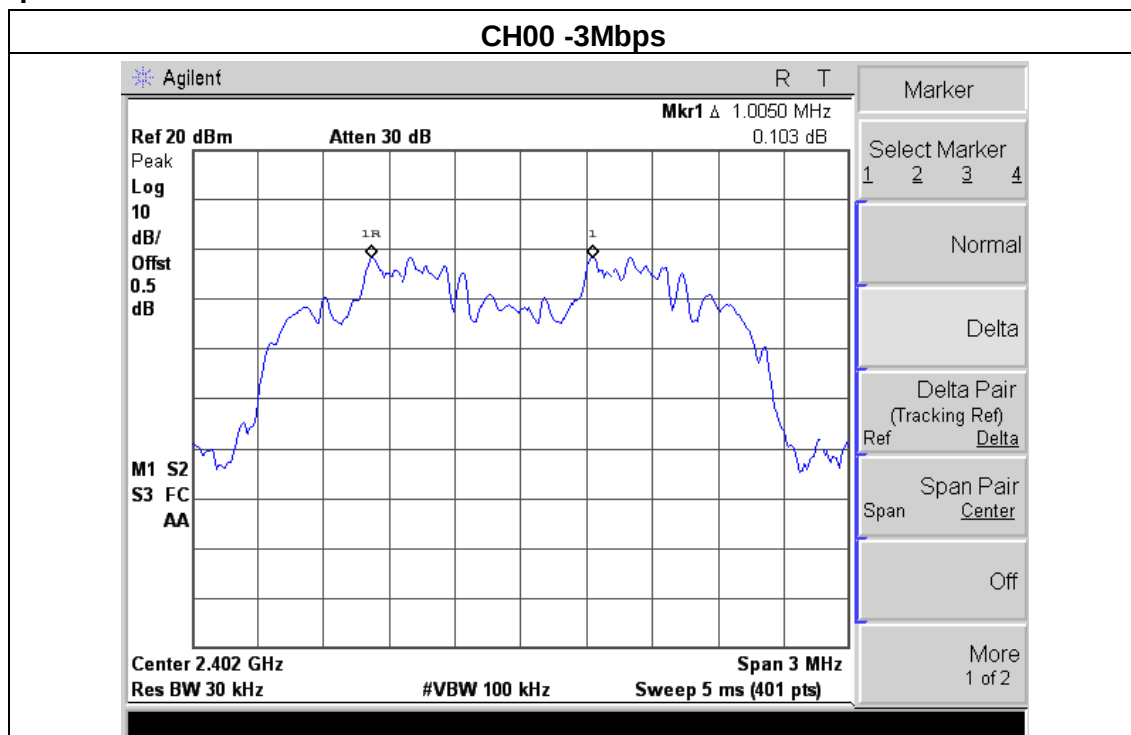


EUT :	3G MOBILE PHONE	Model Name :	U-830-2
Temperature :	25 °C	Relative Humidity :	50%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH00 / CH39 /CH78 (8-DPSK(3Mbps)Mode)		

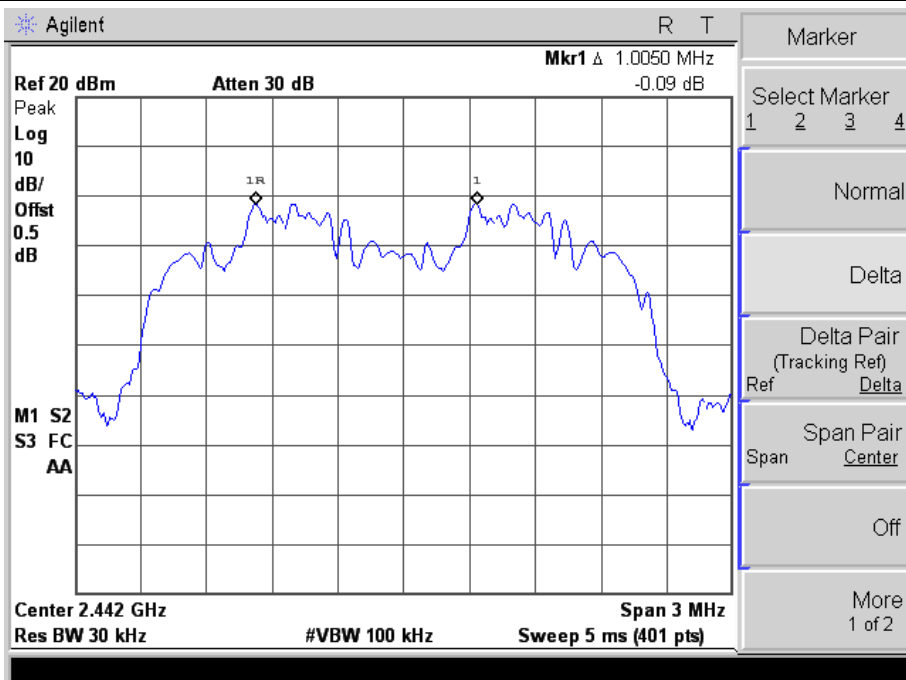
Frequency	Ch. Separation (MHz)	Result
2402 MHz	1.005	Complies
2441 MHz	1.005	Complies
2480 MHz	1.005	Complies

For 8-DPSK(3Mbps):

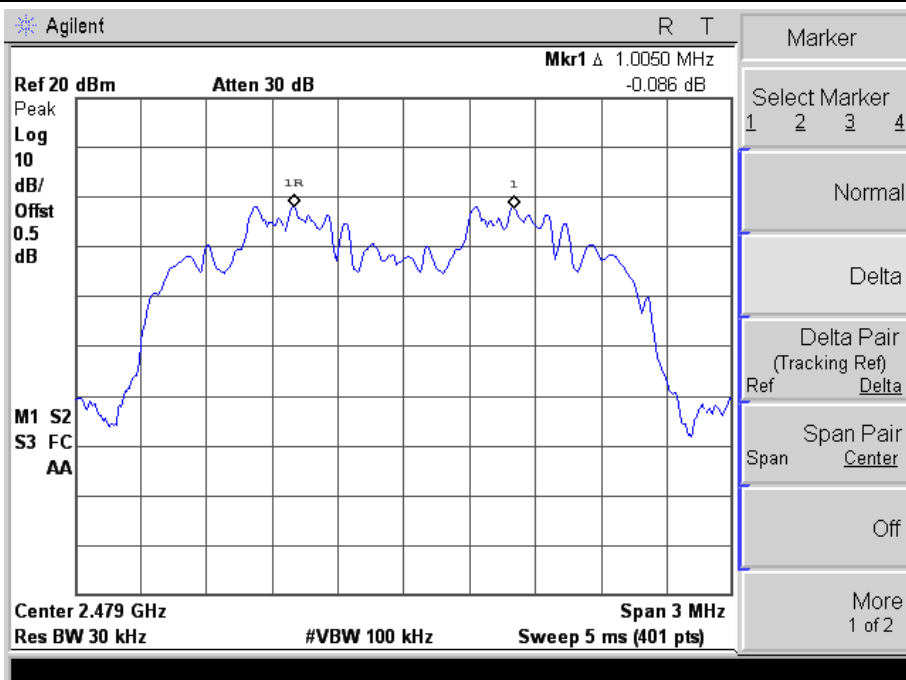
Ch. Separation Limits: > two-thirds 20dB bandwidth



CH39 -3Mbps



CH78 -3Mbps



8. BANDWIDTH TEST

8.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247 (a)(1)	Bandwidth	(20dB bandwidth)	2400-2483.5	PASS

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth or Channel Separation
RB	30 kHz (20dB Bandwidth) / 30 kHz (Channel Separation)
VB	100 kHz (20dB Bandwidth) / 100 kHz (Channel Separation)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

8.1.1 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting : RBW= 30KHz, VBW=100KHz, Sweep time = Auto.

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



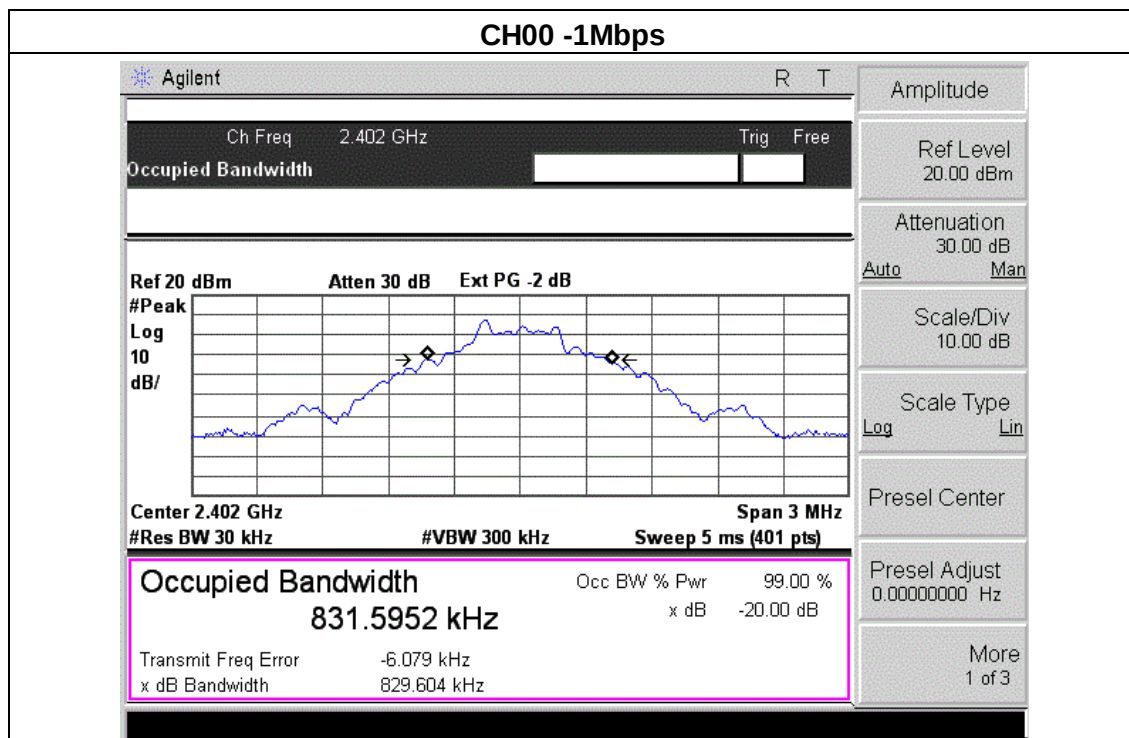
8.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

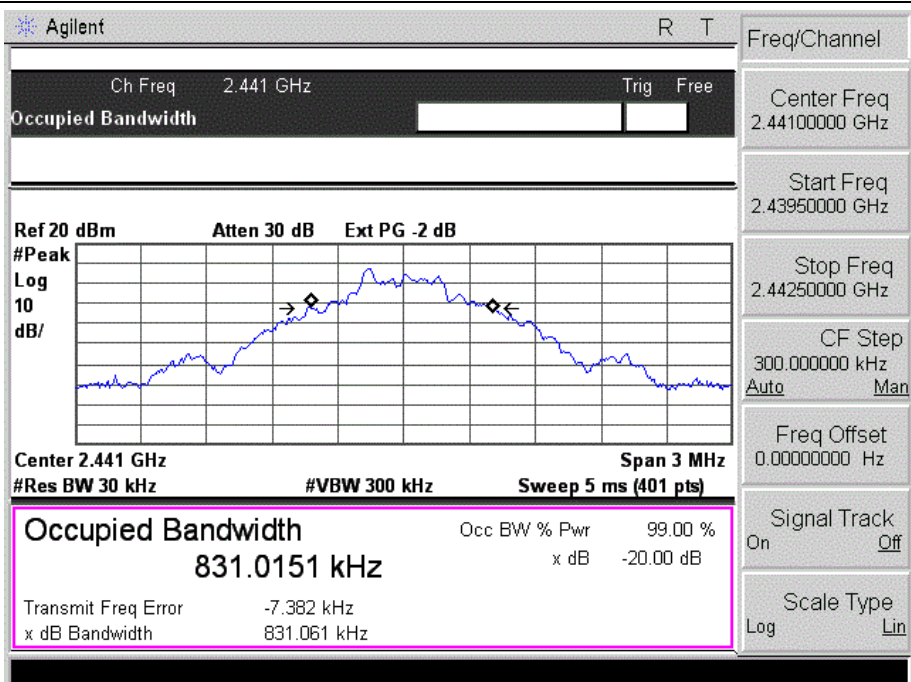
8.1.5 TEST RESULTS

EUT :	3G MOBILE PHONE	Model Name :	U-830-2
Temperature :	25 °C	Relative Humidity :	50%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	GFSK(1Mbps)CH00 / CH39 /C78		

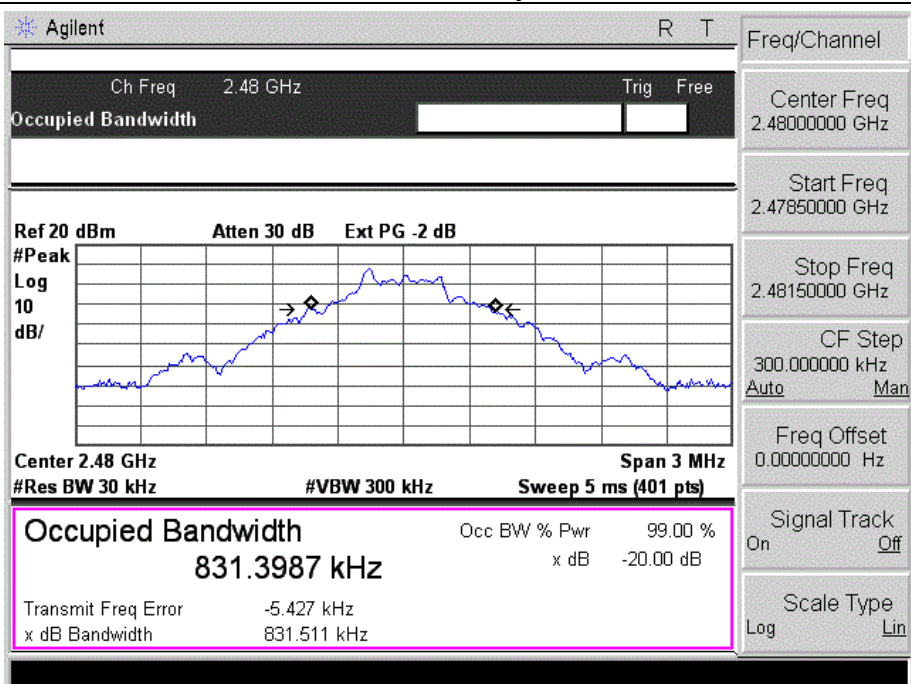
Frequency	20dB Bandwidth (kHz)	Result
2402 MHz	829.604	PASS
2441 MHz	831.061	PASS
2480 MHz	831.511	PASS



CH39 -1Mbps

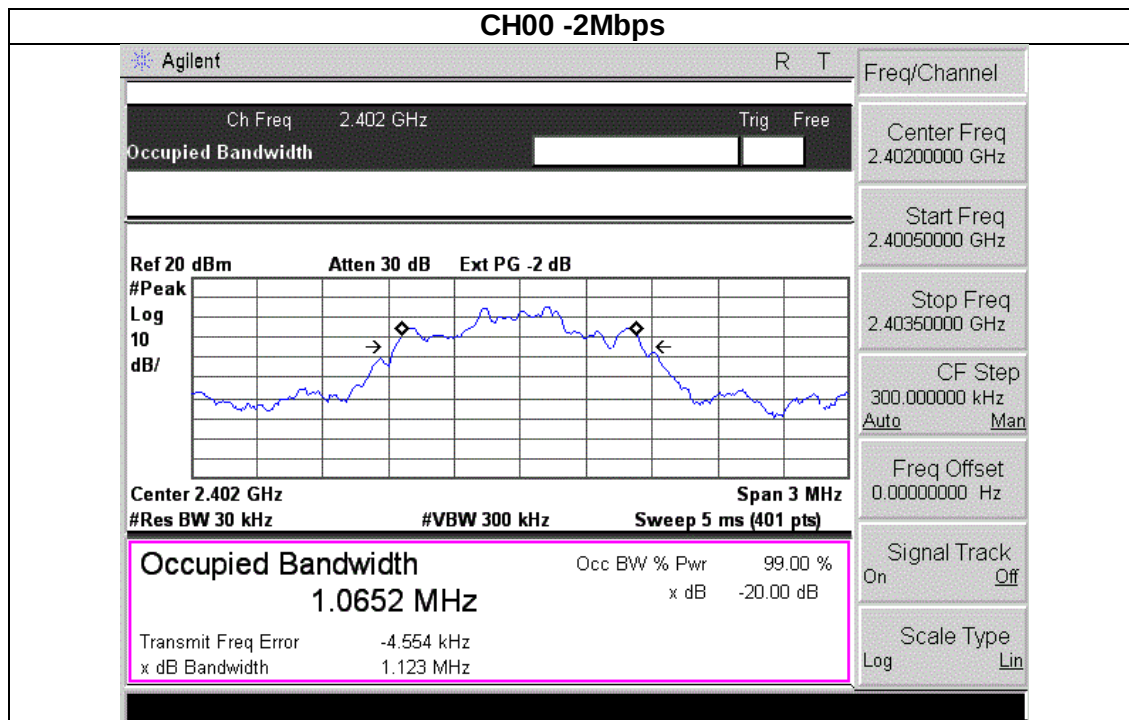


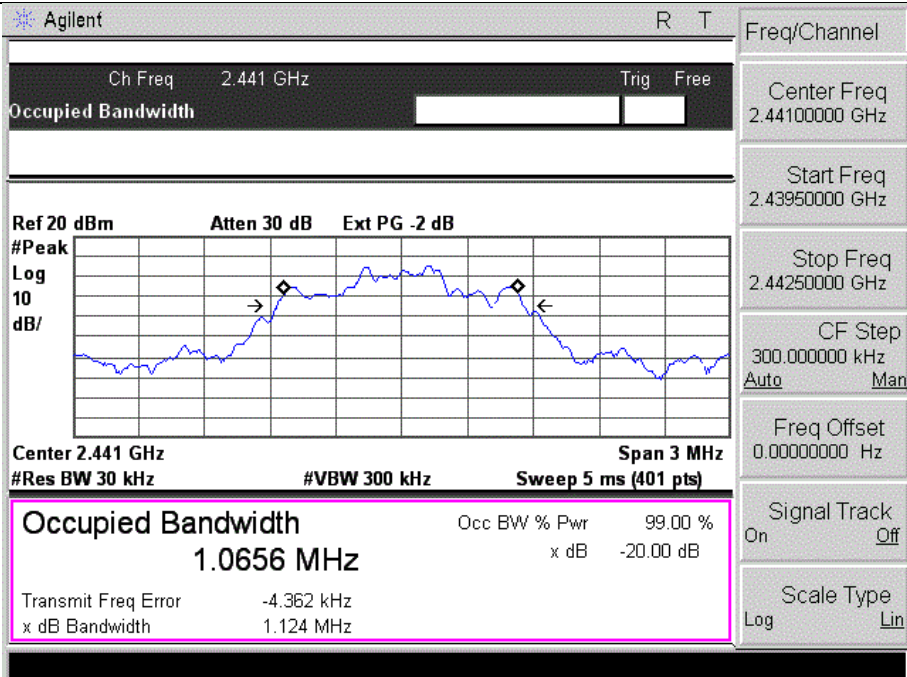
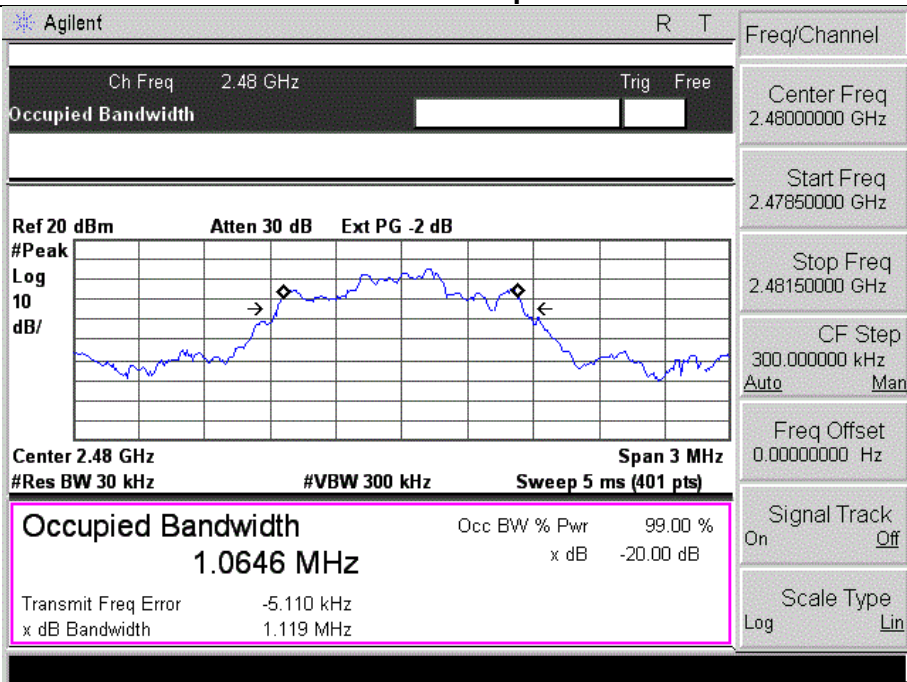
CH78 -1Mbps



EUT:	3G MOBILE PHONE	Model Name :	U-830-2
Temperature:	25 °C	Relative Humidity:	50%
Pressure:	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	$\pi/4$ -DQPSK(2Mbps)CH00 / CH39 /C78		

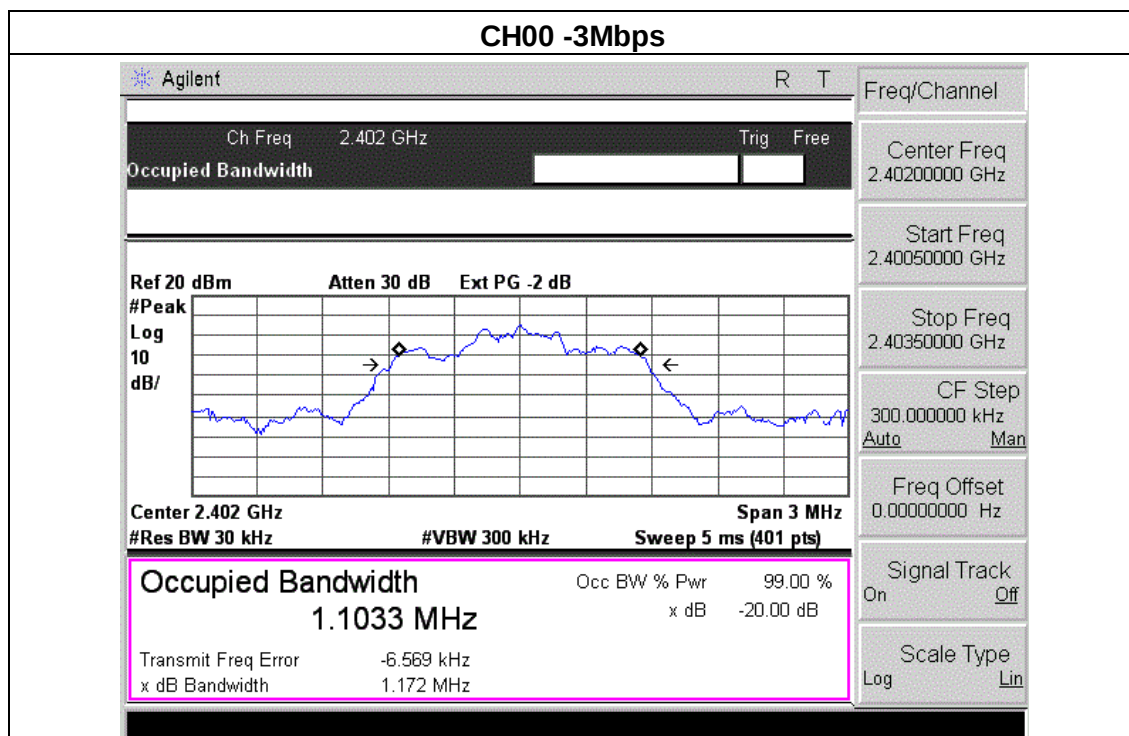
Frequency	20dB Bandwidth(kHz)	Result
2402 MHz	1.123	PASS
2441 MHz	1.124	PASS
2480 MHz	1.119	PASS



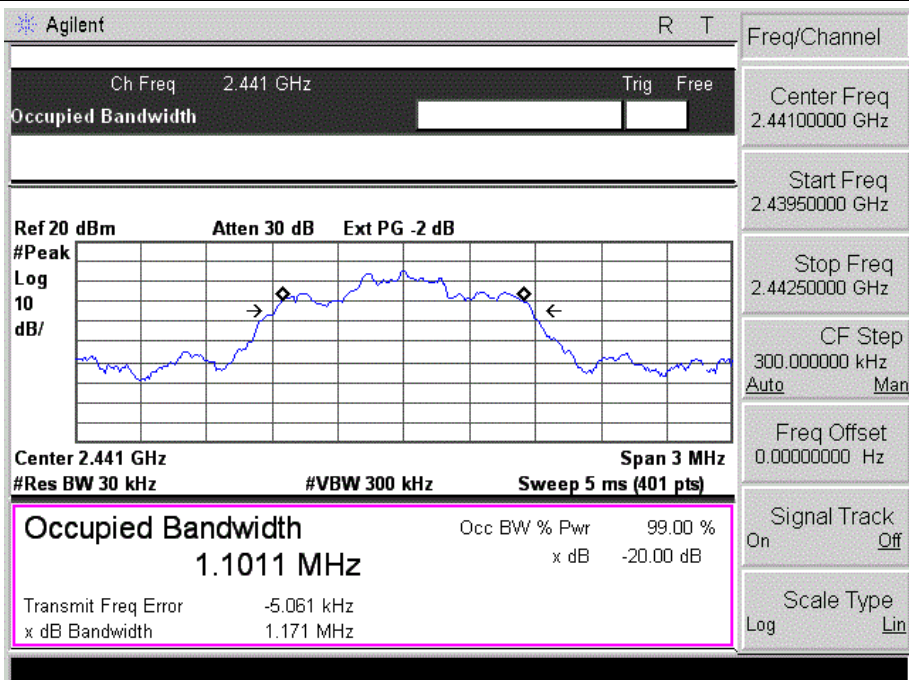
CH39 -2Mbps**CH78 -2Mbps**

EUT :	3G MOBILE PHONE	Model Name :	U-830-2
Temperature :	25 °C	Relative Humidity :	50%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	8-DPSK(3Mbps)CH00 / CH39 /C78		

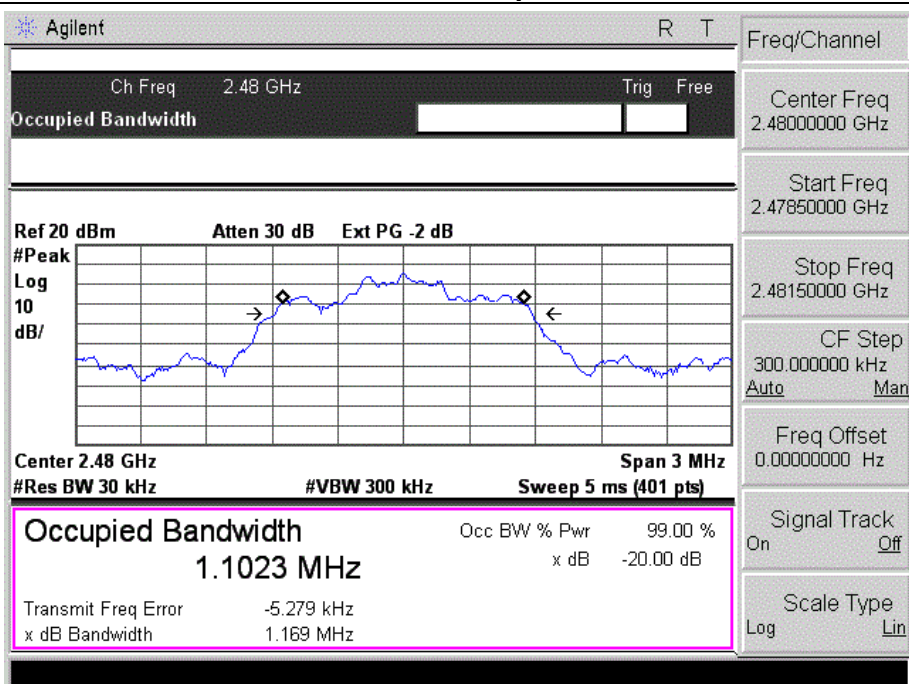
Frequency	20dB Bandwidth (kHz)	Result
2402 MHz	1.172	PASS
2441 MHz	1.172	PASS
2480 MHz	1.169	PASS



CH39 -3Mbps



CH78 -3Mbps



9. PEAK OUTPUT POWER TEST

9.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247 (b)(i)	Peak Output Power	1 W or 30dBm	2400-2483.5	PASS
		Or if channel separation > 2/3 bandwidth provided the systems operate with an output power no greater than 125 mW (20.96dBm)		

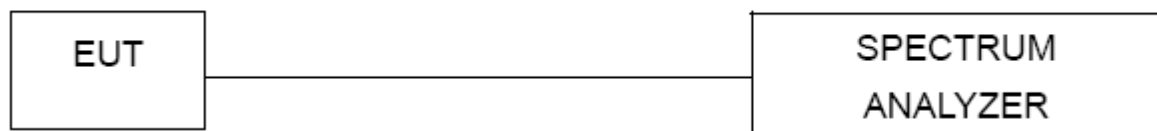
9.1.1 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting : RBW= 1MHz, VBW= 1MHz, Sweep time = Auto.

9.1.2 DEVIATION FROM STANDARD

No deviation.

9.1.3 TEST SETUP



9.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

9.1.5 TEST RESULTS

EUT :	3G MOBILE PHONE	Model Name :	U-830-2
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH00/ CH39 /CH78 GFSK(1Mbps)		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)
CH00	2402	0.34	30
CH39	2441	0.43	30
CH78	2480	0.56	30

EUT :	3G MOBILE PHONE	Model Name :	U-830-2
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH00/ CH39 /CH78 $\pi/4$ -DQPSK(2Mbps)		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)
CH00	2402	-1.32	20.96
CH39	2441	-1.24	20.96
CH78	2480	-1.23	20.96

Note : the channel separation $>2/3$ bandwidth

EUT:	3G MOBILE PHONE	Model Name :	U-830-2
Temperature:	25 °C	Relative Humidity:	60%
Pressure:	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH00/ CH39 /CH78 8-DPSK(3Mbps)		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)
CH00	2402	-1.76	20.96
CH39	2441	-1.83	20.96
CH78	2480	-1.96	20.96

NOTE: THE CHANNEL SEPARATION $>2/3$ BANDWIDTH

10. ANTENNA REQUIREMENT

10.1 STANDARD REQUIREMENT

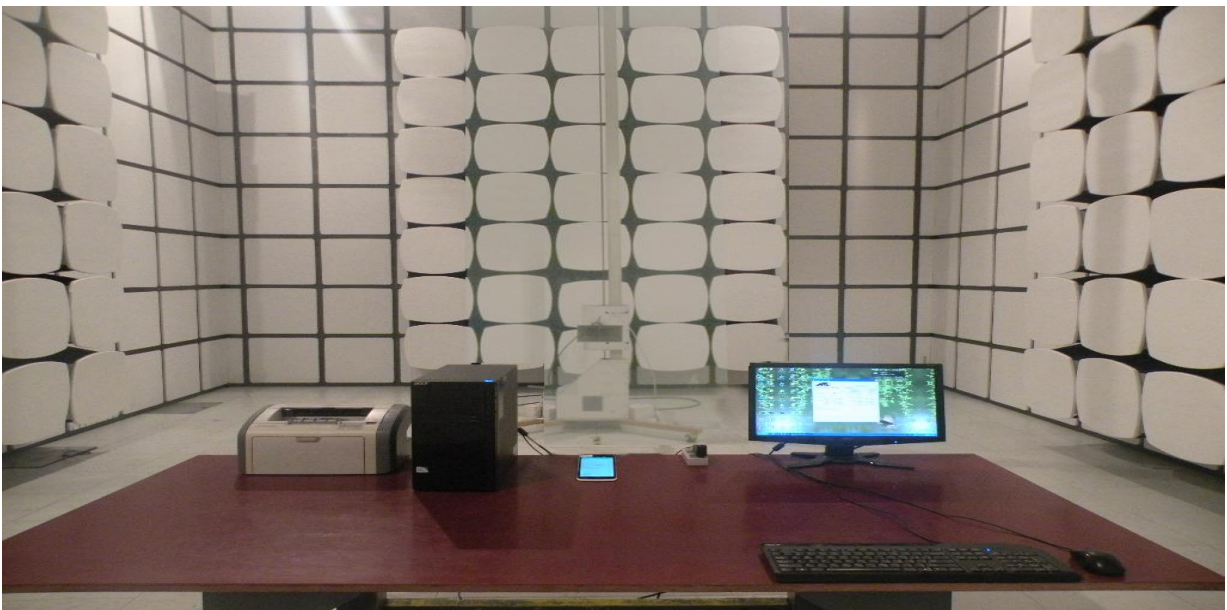
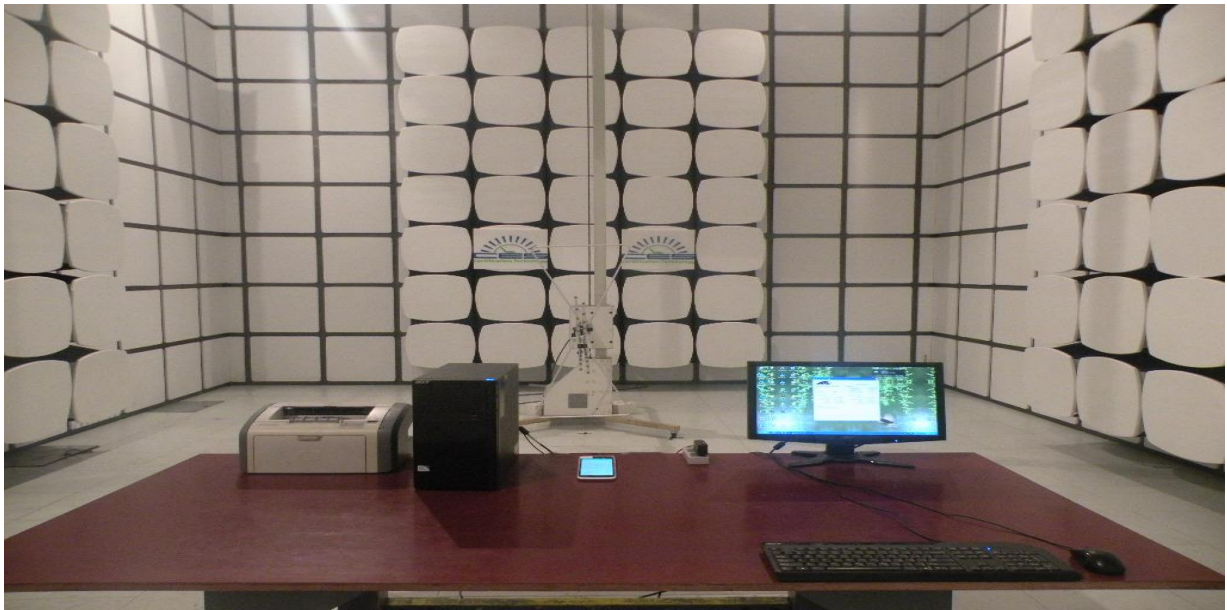
15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

10.2 EUT ANTENNA

The EUT antenna is integral Antenna. It comply with the standard requirement.

TEST SETUP

Radiated Measurement Photos



Conducted Measurement Photos

