STSLAB-Radio Test Report

FCC RADIO TEST REPORT

FCC ID: 2ADBRK968

Of

Product Name:	**smart mobile phone**
Brand Name:	**KALIHO, K-CEL, K-TEN**
Model No.:	**K968**
Series Model:	**A600**
Test Report Number:	**STS1410012F03**

Issued for

Shenzhen Kaliho Technology Development Limited
Rm1901, Block A, The Stars Plaza, Huaqiang North Rd., Futian District, Shenzhen,China

Issued by

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TEST RESULT CERTIFICATION

Applicant's name	:	Shenzhen Kaliho Technology Development Limited
Address	:	Rm1901, Block A, The Stars Plaza, Huaqiang North Rd., Futian District, Shenzhen,China
Manufacture's Name	:	Shenzhen Kaliho Technology Development Limited
Address	:	Floor 4, Flat F, XingHui Technology industrial park, Huaning West Rd., Dalang Street, Longhua, Baoan district, Shenzhen

Product description

Product name	:	smart mobile phone
Model and/or type reference	:	K968
Serial Model	:	A600
Standards	:	FCC Part15.247
Test procedure		ANSI C63.10-2009

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.

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Date of Test	:	
Date (s) of performance of tests	:	08 Oct. 2014 ~16 Oct. 2014
Date of Issue	:	17 Oct. 2014
Test Result	:	**Pass**

Testing Engineer **:** (Tony Liu)

Technical Manager **:** (Vita Li)

Authorized Signatory **:** (Bovey Yang)

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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)(2)	6dB Bandwidth	PASS	
15.247 (b) (reference KDB 558074 d05 v02. /9.1.2)	Peak Output Power	PASS	
15.247 (c)	Radiated Spurious Emission	PASS	
15.247 (d)	Conducted Spurious Emission	PASS	
15.247 (e)	Power Spectral Density	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 TEST FACILITY

Shenzhen STS Test Services Co., Ltd.
Add. : 1/F, Building 2, Zhuoke Science Park, Chongqing Road, Fuyong, Baoan District, Shenzhen, China.
FCC Registration No.: 842334

2 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%

1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF EUT

Equipment	smart mobile phone	
Trade Name	KALIHO, K-CEL, K-TEN	
Model Name	K968	
Serial Model	A600	
Model Difference	Only difference in model name	
Product Description	The EUT is a smart mobile phone	
	Operation Frequency:	802.11b/g/n 20: 2412~2462 MHz 802.11n 40: 2422~2452MHz
	Modulation Type:	CCK/OFDM/DBPSK/DAPSK
	Bit Rate of Transmitter	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6Mbps 802.11n(20/40MHz):300/150/144.44/130/117/115.56/104/86.67/78/52/6.5Mbps
	Number Of Channel	802.11b/g/n20: 11CH 802.11n 40: 7CH
	Antenna Designation:	Please see Note 3.
	Antenna Gain (dBi)	0 dbi
Channel List	Please refer to the Note 2.	
Ratings	DC 3.7V from battery	
Adapter	Power supply and ADP（rating）： Input:100-240V AC,50/60Hz 0.2A Output:5.0V,500mA	
Battery	Rated Voltage: 3.7V Charge Limit: 4.2V capacity :1000mAh	
Hardware version number	--	
Software versioning number	--	
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 for 802.11b/g/n(20MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

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

3.

Table for Filed Antenna

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

1.2 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.

Pretest Mode	Description
Mode 1	802.11b CH1/ CH6/ CH11
Mode 2	802.11g CH1/ CH6/ CH11
Mode 3	802.11n(20)CH1/ CH6/ CH11
Mode 4	802.11n(40) CH3/ CH6/ CH9
Mode 5	Link Mode

For Conducted Emission	
Final Test Mode	Description
Mode 5	Link Mode

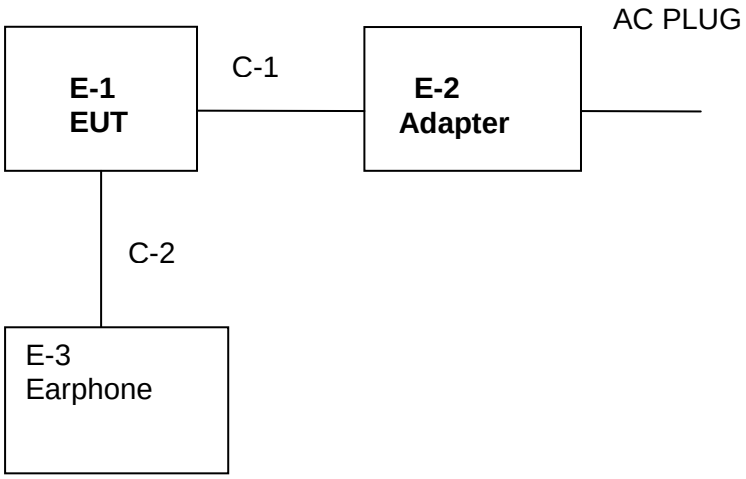
For Radiated Emission	
Final Test Mode	Description
Mode 1	802.11b CH1/ CH6/ CH11
Mode 2	802.11g CH1/ CH6/ CH11
Mode 3	802.11n CH1/ CH6/ CH11
Mode 4	802.11n(40) CH3/ CH6/ CH9
Mode 5	Link Mode

Note:

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

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

1.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



1.4 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	smart mobile phone	KALIHO, K-CEL, K-TEN	K968	N/A	EUT
E-2	Adapter	N/A	A600	N/A	
E-3	Earphone	N/A	N/A	N/A	

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	YES	1.5m	
C-2	NO	NO	1.2m	

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.

1.5 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	2014.06.07	2015.06.06	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2014.07.06	2015.07.05	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	2014.06.07	2015.06.06	1 year
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2014.06.07	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	Agilent	5738A	11290	2014.10.25	2015.10.24	1 year
11	Power Sensor	R&S	NRP-Z21	103971	2014.10.25	2015.10.24	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	2014.06.07	2015.06.06	1 year
5	Passive Voltage Probe	R&S	ESH2-Z3	100196	2014.06.07	2015.06.06	1 year
6	Absorbing clamp	R&S	MOS-21	100423	2014.06.08	2015.06.07	1 year

2. EMC EMISSION TEST

2.1 CONDUCTED EMISSION MEASUREMENT

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

operating frequency band. In case the emission fall within the restricted band specified on Part 15.247&207(a) limit in the table below has to be followed.

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

0.15 -0.5	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	56.00	46.00	FCC
5.0 -30.0	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.

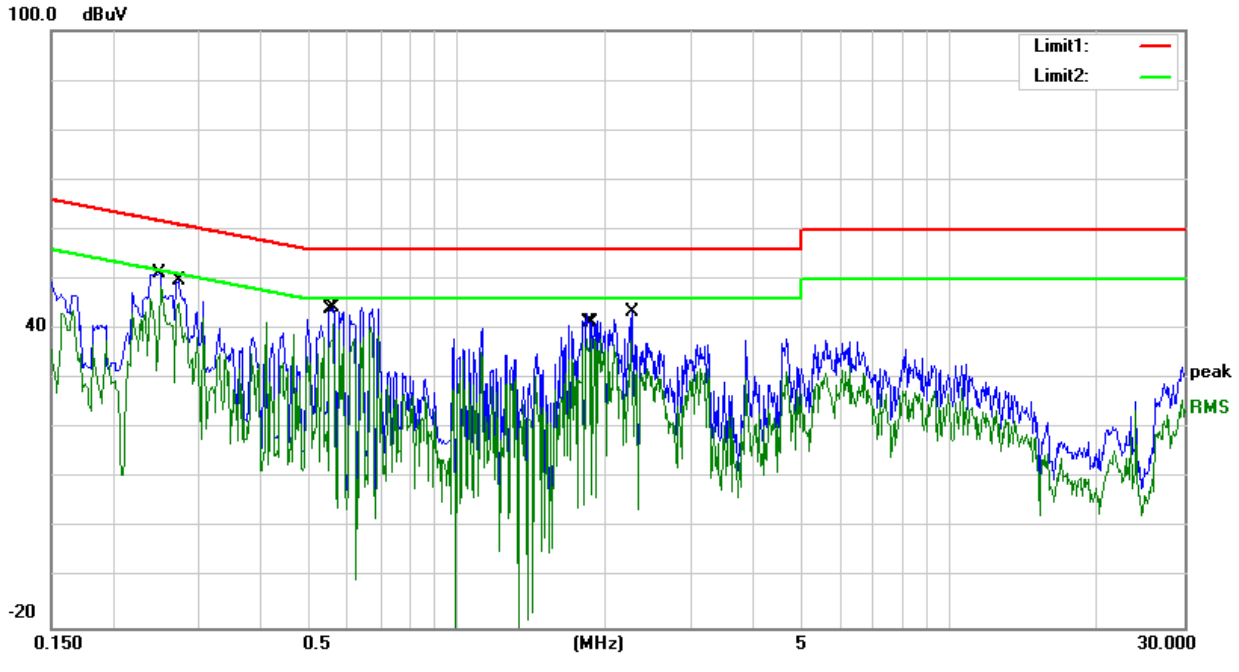
The following table is the setting of the receiver

2.1.2 TEST RESULTS

EUT：	smart mobile phone	Model Name. ：	K968
Temperature：	23 ℃	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)	
0.1678	29.27	16.21	19.71	45.48	35.92	65.03	55.03	-19.55	-19.11	Pass
0.2054	21.92	11.32	19.62	33.24	30.94	59.74	49.74	-26.5	-18.8	Pass
0.8107	16.78	11.26	19.84	28.04	31.1	57.01	47.01	-28.97	-15.91	Pass
1.4323	19.51	11.32	19.88	39.39	31.2	56	46	-16.61	-14.8	Pass
2.4571	13.56	4.71	19.99	33.55	24.7	56	46	-22.45	-21.3	Pass
6.1446	19.07	6.59	20.41	39.48	27	60	50	-20.52	-23	Pass

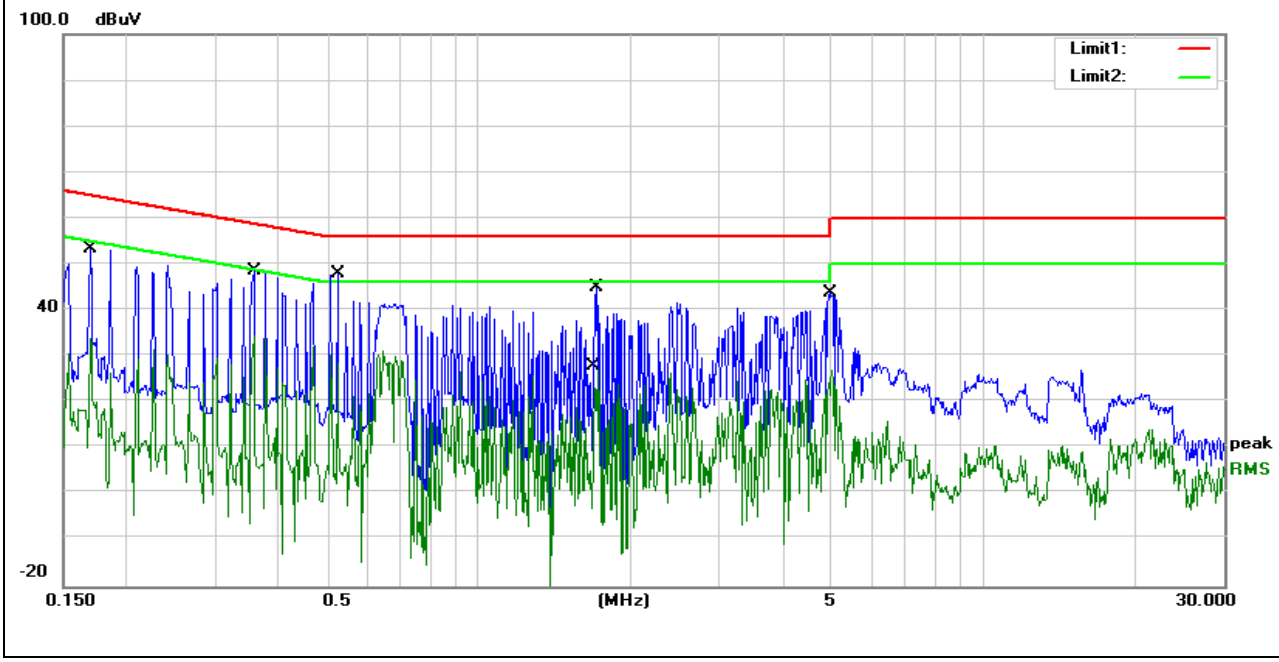
Remark:
1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	smart mobile phone	Model Name. ：	K968
Temperature：	23 ℃	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)	
0.174	23.28	13.64	19.69	42.97	33.33	65.07	55.08	-22.1	-21.75	Pass
0.5654	18.29	11.63	19.85	38.14	31.48	64.09	54.09	-25.95	-22.61	Pass
0.8123	21.53	12.12	19.83	41.36	31.95	59.95	49.95	-18.59	-18	Pass
1.3345	21.32	14.37	19.87	41.19	34.24	56.83	46.83	-15.64	-12.59	Pass
1.3923	21.54	15.22	19.88	41.42	35.1	56	46	-14.58	-10.9	Pass
6.1865	22.73	8.23	20.42	43.15	28.65	60	50	-16.85	-21.35	Pass

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



2.2 RADIATED EMISSION MEASUREMENT

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

6 dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on Part 15.247&205(a), then the Part 15.247&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 B (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

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

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

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

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

2.2.2 TEST PROCEDURE

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 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.
c. 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.
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:

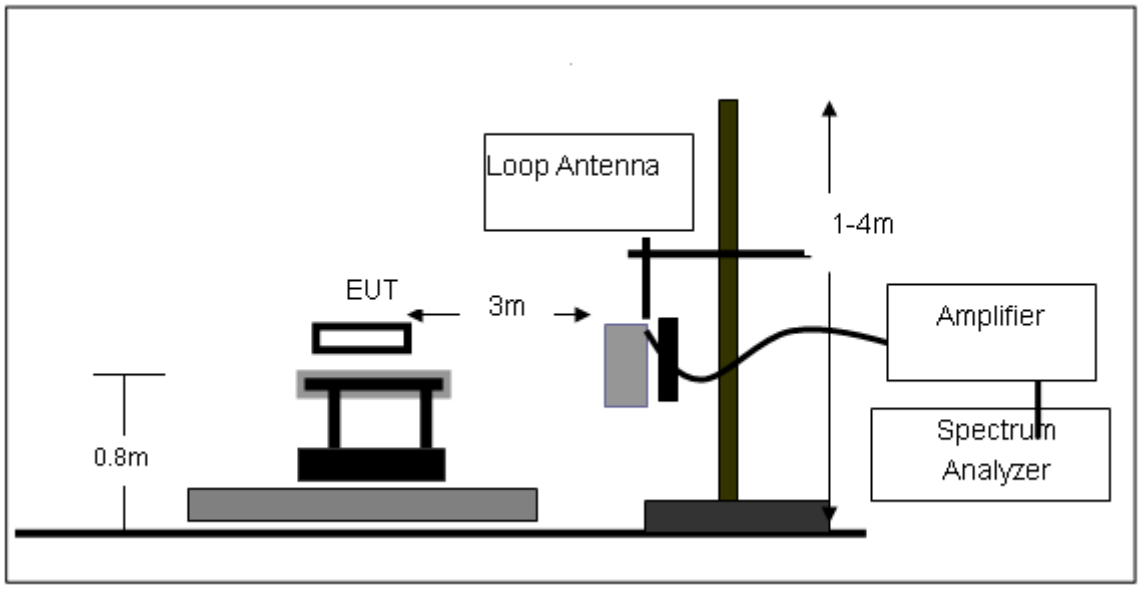
Both horizontal and vertical antenna polarities were tested
and performed pretest to three orthogonal axis. The worst case emissions were reported

2.2.3 DEVIATION FROM TEST STANDARD

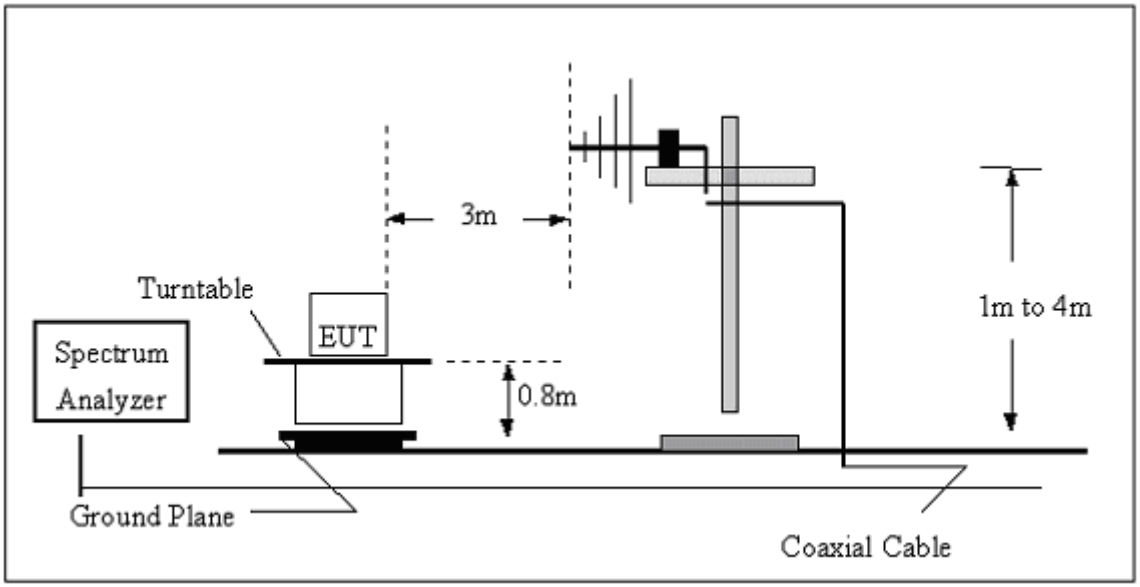
No deviation

2.2.4 TEST SETUP

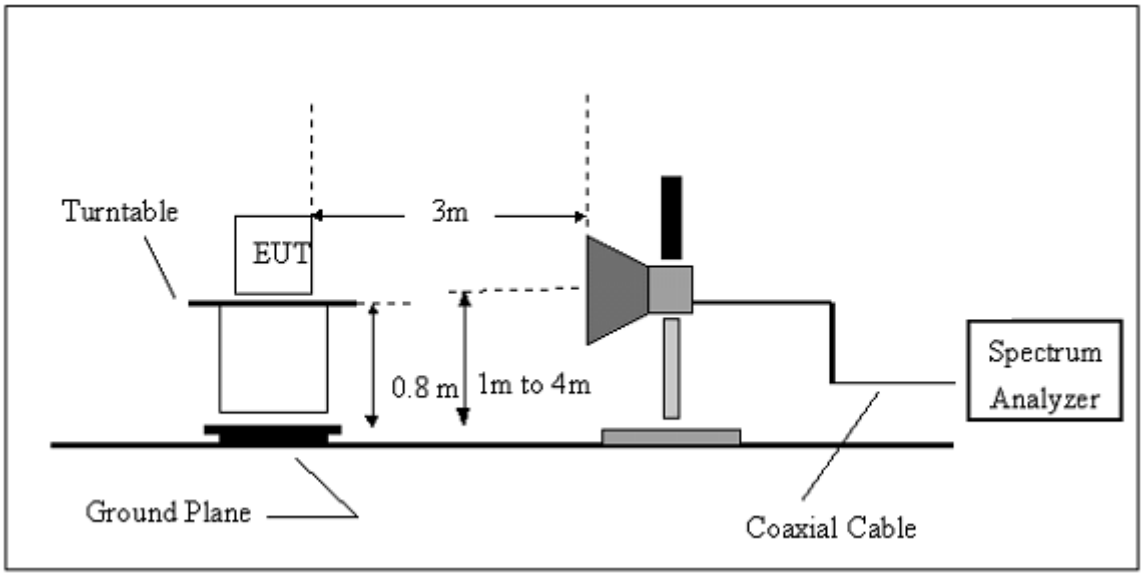
（A）Radiated Emission Test-Up Frequency Below 30MHz



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



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



2.2.5 EUT OPERATING 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.

2.2.6 TEST RESULTS (BETWEEN 9KHZ – 30 MHZ)

EUT：	smart mobile phone	Model Name. ：	K968
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	Link mode	Polarization :	--

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

NOTE:

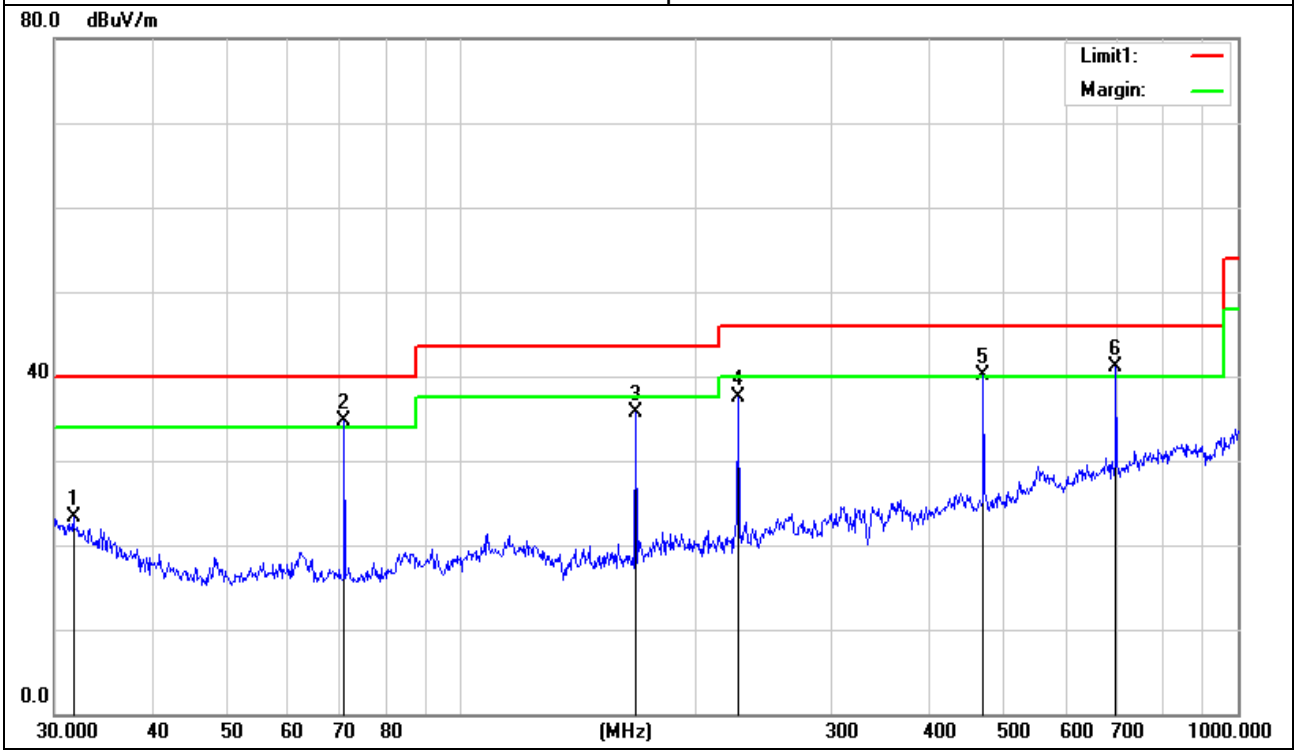
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
Distance extrapolation factor =40 log (specific distance/test distance)(dB);
Limit line = specific limits(dBuv) + distance extrapolation factor.

2.2.7 TEST RESULTS (BETWEEN 30MHZ – 1GHZ)

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	Link mode	Polarization :	Horizontal

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
31.7313	5.33	18.05	23.38	40.00	-16.62	100	20	QP
70.8315	27.99	6.62	34.61	40.00	-5.39	200	85	QP
167.8240	24.70	11.06	35.76	43.50	-7.74	100	134	QP
227.6904	26.38	11.12	37.50	46.00	-8.50	100	156	QP
470.5230	19.91	20.21	40.12	46.00	-5.88	100	95	QP
696.8567	17.13	24.03	41.16	46.00	-4.84	100	169	QP

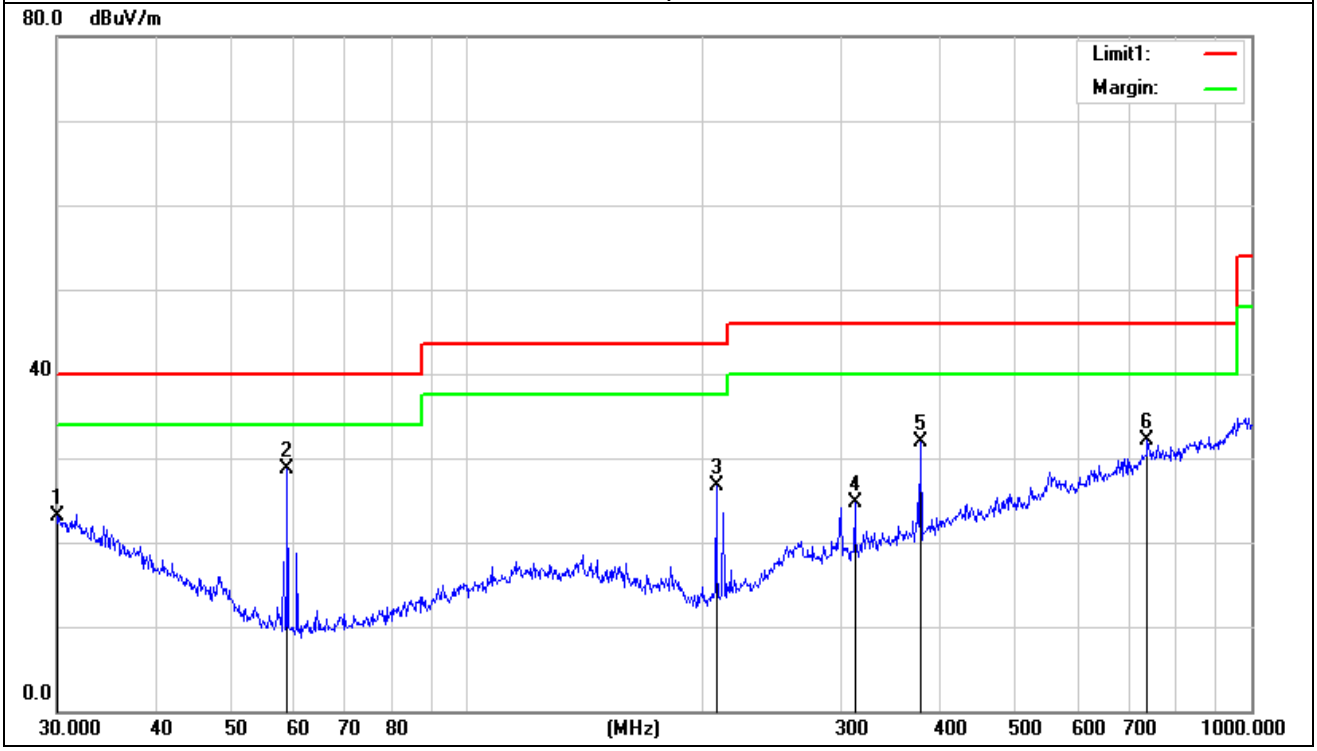
Remark:
1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	Link mode	Polarization :	Vertical

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
30.1051	4.19	18.89	23.08	40.00	-16.92	100	20	QP
59.0251	22.86	5.83	28.69	40.00	-11.31	200	84	QP
207.8501	16.75	9.90	26.65	43.50	-16.85	100	134	QP
312.1794	8.91	15.71	24.62	46.00	-21.38	100	155	QP
378.5843	14.17	17.65	31.82	46.00	-14.18	100	96	QP
737.0714	6.05	25.98	32.03	46.00	-13.97	100	170	QP

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



2.2.8 TEST RESULTS (ABOVE 1000 MHZ)

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH1 (802.11b Mode)/2412	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4824.147	46.89	10.44	57.33	74	-16.67	peak
4824.101	31.43	10.44	41.87	54	-12.13	AVG
7236.127	43.21	12.39	55.6	74	-18.4	peak
7236.146	33.73	12.39	46.12	54	-7.88	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH1 (802.11b Mode)/2412	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4874.129	56.93	10.4	67.33	74	-6.67	peak
4874.133	32.45	10.4	42.85	54	-11.15	AVG
7311.156	48.64	12.75	61.39	74	-12.61	peak
7311.155	29.25	12.75	42	54	-12	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH6 (802.11b Mode)/2437	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4874.147	48.34	10.4	58.74	74	-15.26	peak
4874.143	32.58	10.4	42.98	54	-11.02	AVG
7311.110	45.36	12.75	58.11	74	-15.89	peak
7311.083	31.27	12.75	44.02	54	-9.98	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH6 (802.11b Mode)/2437	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4924.098	50.78	10.39	61.17	74	-12.83	peak
4934.079	33.67	10.44	44.11	54	-9.89	AVG
7386.077	47.18	12.68	59.86	74	-14.14	peak
7386.076	33.59	12.68	46.27	54	-7.73	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						
No emission detected above 18GHz						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH11 (802.11b Mode)/2462	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4924.092	48.09	10.39	58.48	74	-15.52	peak
4924.078	33.14	10.39	43.53	54	-10.47	AVG
7386.072	45.23	12.68	57.91	74	-16.09	peak
7386.110	28.34	12.68	41.02	54	-12.98	AVG

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. No emission detected above 18GHz

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH11 (802.11b Mode)/2462	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4924.056	49.12	10.39	59.51	74	-14.49	peak
4924.113	35.34	10.39	45.73	54	-8.27	AVG
7386.060	47.52	12.68	60.2	74	-13.8	peak
7386.054	32.13	12.68	44.81	54	-9.19	AVG

Remark:

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

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH1 (802.11g Mode)/2412	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4824.157	45.21	10.44	55.65	74	-18.35	peak
4824.149	36.85	10.44	47.29	54	-6.71	AVG
7236.209	46.63	12.39	59.02	74	-14.98	peak
7236.174	30.54	12.39	42.93	54	-11.07	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH1 (802.11g Mode)/2412	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4824.105	55.32	10.44	65.76	74	-8.24	peak
4824.101	32.71	10.44	43.15	54	-10.85	AVG
7236.092	44.69	12.39	57.08	74	-16.92	peak
7236.132	32.54	12.39	44.93	54	-9.07	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH6 (802.11g Mode)/2437	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4874.087	45.21	10.4	55.61	74	-18.39	peak
4874.126	26.56	10.4	36.96	54	-17.04	AVG
7311.147	44.75	12.75	57.5	74	-16.5	peak
7311.147	25.78	12.75	38.53	54	-15.47	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH6 (802.11g Mode)/2437	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4874.133	48.19	10.4	58.59	74	-15.41	peak
4874.113	35.21	10.4	45.61	54	-8.39	AVG
7311.086	48.26	12.75	61.01	74	-12.99	peak
7311.127	33.43	12.75	46.18	54	-7.82	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH11 (802.11g Mode)/2462	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4924.056	49.43	10.39	59.82	74	-14.18	peak
4924.123	33.43	10.39	43.82	54	-10.18	AVG
7386.093	48.21	12.68	60.89	74	-13.11	peak
7386.055	30.82	12.68	43.5	54	-10.5	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH11(802.11g Mode)/2462	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4924.057	46.78	10.39	57.17	74	-16.83	peak
4924.145	34.52	10.39	44.91	54	-9.09	AVG
7386.097	46.49	12.68	59.17	74	-14.83	peak
7386.066	33.91	12.68	46.59	54	-7.41	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH1(802.11n Mode)/20MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4824.139	46.21	10.44	56.65	74	-17.35	peak
4824.051	36.51	10.44	46.95	54	-7.05	AVG
7236.070	42.35	12.39	54.74	74	-19.26	peak
7236.030	28.21	12.39	40.6	54	-13.4	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH1(802.11n Mode)/20MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4824.052536	46.75	10.44	57.19	74	-16.81	peak
4824.140888	37.21	10.44	47.65	54	-6.35	AVG
7236.05833	51.43	12.39	63.82	74	-10.18	peak
7236.055301	31.12	12.39	43.51	54	-10.49	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH6(802.11n Mode)/20MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874.147	51.32	10.4	61.72	74	-12.28	peak
4874.103	32.35	10.4	42.75	54	-11.25	AVG
7311.037	48.54	12.75	61.29	74	-12.71	peak
7311.070	27.43	12.75	40.18	54	-13.82	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH6(802.11n Mode)/20MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874.069	48.23	10.4	58.63	74	-15.37	peak
4874.158	32.59	10.4	42.99	54	-11.01	AVG
7311.124	47.45	12.75	60.2	74	-13.8	peak
7311.114	26.62	12.75	39.37	54	-14.63	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH11(802.11n Mode)/20MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4924.041298	1	10.39	11.39	74	-62.61	peak
4924.07753	35.15	10.39	45.54	54	-8.46	AVG
7386.134819	43.82	12.68	56.5	74	-17.5	peak
7386.166996	31.32	12.68	44	54	-10	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH11(802.11n Mode)/20MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4924.115157	51.56	10.39	61.95	74	-12.05	peak
4924.086749	35.69	10.39	46.08	54	-7.92	AVG
7386.143925	42.32	12.68	55	74	-19	peak
7386.093345	28.54	12.68	41.22	54	-12.78	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH3(802.11n Mode)/40MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4844.131	47.87	10.5	58.37	74	-15.63	peak
4844.152	31.63	10.5	42.13	54	-11.87	AVG
7266.242	48.43	12.5	60.93	74	-13.07	peak
7266.236	31.23	12.5	43.73	54	-10.27	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH3(802.11n Mode)/40MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4844.230522	47.23	10.5	57.73	74	-16.27	peak
4844.3049	30.64	10.5	41.14	54	-12.86	AVG
7266.203423	48.97	12.5	61.47	74	-12.53	peak
7266.182332	29.41	12.5	41.91	54	-12.09	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH6(802.11n Mode)/40MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874.170274	48.95	10.4	59.35	74	-14.65	peak
4874.156093	33.54	10.4	43.94	54	-10.06	AVG
7311.069605	47.23	12.75	59.98	74	-14.02	peak
7311.152429	32.54	12.75	45.29	54	-8.71	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH6(802.11n Mode)/40MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874.438	47.43	10.4	57.83	74	-16.17	peak
4874.465	34.56	10.4	44.96	54	-9.04	AVG
7311.588	46.71	12.75	59.46	74	-14.54	peak
7311.612	35.32	12.75	48.07	54	-5.93	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH9(802.11n Mode)/40MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4904.288	49.23	10.29	59.52	74	-14.48	peak
4904.297	35.89	10.29	46.18	54	-7.82	AVG
7356.205	48.45	12.79	61.24	74	-12.76	peak
7356.159	31.56	12.79	44.35	54	-9.65	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	CH9(802.11n Mode)/40MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4904.104	50.34	10.29	60.63	74	-13.37	peak
4904.112	34.56	10.29	44.85	54	-9.15	AVG
7356.421	48.54	12.79	61.33	74	-12.67	peak
7356.387	32.21	12.79	45	54	-9	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

2.2.9 TEST RESULTS (BAND EDGE)

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V FROM ADAPTER WITH AC 120V/60HZ
Test Mode ：	CH1(802.11b Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
2399.9	80.25	-13	67.25	74	-6.75	peak
2399.9	61.45	-13	48.45	54	-5.54	AVG
2400	82.32	-12.99	69.33	74	-4.41	peak
2400	61.24	-12.99	48.25	54	-5.74	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V FROM ADAPTER WITH AC 120V/60HZ
Test Mode ：	CH1(802.11b Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
2399.9	81.43	-13	68.43	74	-5.57	peak
2399.9	61.23	-13	48.23	54	-5.77	AVG
2400	78.45	-12.99	65.46	74	-8.54	peak
2400	59.43	-12.99	46.44	54	-7.56	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V FROM ADAPTER WITH AC 120V/60HZ
Test Mode ：	CH11(802.11b Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
2483.5	78.54	-12.78	65.76	74	-8.24	peak
2483.5	60.32	-12.78	47.54	54	-6.46	AVG
2483.6	79.56	-12.77	66.79	74	-7.21	peak
2483.6	60.54	-12.78	47.76	54	-6.24	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V FROM ADAPTER WITH AC 120V/60HZ
Test Mode ：	CH11(802.11b Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
2483.5	77.54	-12.78	64.76	74	-9.24	peak
2483.5	60.32	-12.78	47.54	54	-6.46	AVG
2483.6	78.54	-12.77	65.77	74	-8.23	peak
2483.6	59.45	-12.77	46.68	54	-7.32	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V FROM ADAPTER WITH AC 120V/60HZ
Test Mode ：	CH1(802.11g Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
2399.9	76.21	-13	63.21	74	-10.79	peak
2399.9	59.43	-13	46.43	54	-7.57	AVG
2400	78.19	-12.99	65.2	74	-8.8	peak
2400	58.47	-12.99	45.48	54	-8.52	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V FROM ADAPTER WITH AC 120V/60HZ
Test Mode ：	CH1(802.11gMode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
2399.9	77.23	-13	64.23	74	-9.77	peak
2399.9	60.21	-13	47.21	54	-6.79	AVG
2400	78.94	-12.99	65.95	74	-8.05	peak
2400	62.24	-12.99	49.25	54	-4.75	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V FROM ADAPTER WITH AC 120V/60HZ
Test Mode ：	CH11(802.11g Mode)	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	77.56	-12.78	64.78	74	-9.22	peak
2483.5	63.23	-12.78	50.45	54	-3.55	AVG
2483.6	76.46	-12.77	63.69	74	-10.31	peak
2483.6	61.64	-12.77	48.87	54	-5.13	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V FROM ADAPTER WITH AC 120V/60HZ
Test Mode ：	CH11(802.11g Mode)	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	76.54	-12.78	63.76	74	-10.24	peak
2483.5	60.43	-12.78	47.65	54	-6.35	AVG
2483.6	75.93	-12.77	63.16	74	-10.84	peak
2483.6	61.34	-12.77	48.57	54	-5.43	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V FROM ADAPTER WITH AC 120V/60HZ
Test Mode ：	CH1(802.11n Mode)/20MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2399.9	76.45	-13	63.45	74	-10.55	peak
2399.9	58.26	-13	45.26	54	-8.74	AVG
2400	78.22	-12.99	65.23	74	-8.77	peak
2400	58.54	-12.99	45.55	54	-8.45	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V FROM ADAPTER WITH AC 120V/60HZ
Test Mode ：	CH1(802.11n Mode)/20M	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2399.9	77.32	-13	64.32	74	-9.68	peak
2399.9	58.34	-13	45.34	54	-8.66	AVG
2400	76.35	-12.99	63.36	74	-10.64	peak
2400	59.45	-12.99	46.46	54	-7.54	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V FROM ADAPTER WITH AC 120V/60HZ
Test Mode ：	CH11(802.11n Mode)/20MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	77.43	-12.78	64.65	74	-9.35	peak
2483.5	56.75	-12.78	43.97	54	-10.03	AVG
2483.6	75.32	-12.77	62.55	74	-11.45	peak
2483.6	57.35	-12.77	44.58	54	-9.42	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V FROM ADAPTER WITH AC 120V/60HZ
Test Mode ：	CH11(802.11n Mode)/20MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	73.19	-12.78	60.45	74	-13.55	peak
2483.5	59.54	-12.78	46.84	54	-7.16	AVG
2483.6	73.62	-12.78	60.45	74	-13.55	peak
2483.6	59.54	-12.78	46.84	54	-7.16	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V FROM ADAPTER WITH AC 120V/60HZ
Test Mode ：	CH3(802.11n Mode)/40M	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2399.9	77.23	-13	64.23	74	-9.77	peak
2399.9	58.21	-13	45.21	54	-8.79	AVG
2400	77.34	-12.99	64.35	74	-9.65	peak
2400	59.54	-12.99	46.55	54	-7.45	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V FROM ADAPTER WITH AC 120V/60HZ
Test Mode ：	CH3(802.11n Mode)/40MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2399.9	80.62	-13	67.62	74	-6.38	peak
2399.9	55.54	-13	42.54	54	-11.46	AVG
2400	78.34	-12.99	65.35	74	-8.65	peak
2400	55.46	-12.99	42.47	54	-11.53	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V FROM ADAPTER WITH AC 120V/60HZ
Test Mode ：	CH9(802.11n Mode)/40MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	76.32	-12.78	63.54	74	-10.46	peak
2483.5	59.14	-12.78	46.36	54	-7.64	AVG
2483.6	77.23	-12.77	64.46	74	-9.54	peak
2483.6	61.14	-12.77	48.37	54	-5.63	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V FROM ADAPTER WITH AC 120V/60HZ
Test Mode ：	CH9(802.11n Mode)/40MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	77.34	-12.78	64.56	74	-9.44	peak
2483.5	60.41	-12.78	47.63	54	-6.37	AVG
2483.6	78.26	-12.78	65.48	74	-8.52	peak
2483.6	59.36	-12.78	46.58	54	-7.42	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

4. CONDUCTED SPURIOUS EMISSIONS

4.1 APPLIED PROCEDURES / 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. Attenuation below the general limits specified in Section 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)).

4.1.1 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

.

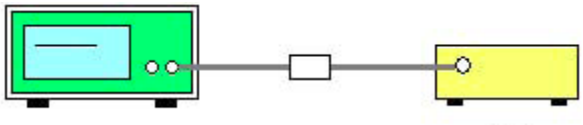
For Band edge

Spectrum Parameter	Setting
Attenuation	Auto
Start/Stop Frequency	Lower Band Edge: 2300 – 2430 MHz Upper Band Edge: 2450 – 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.

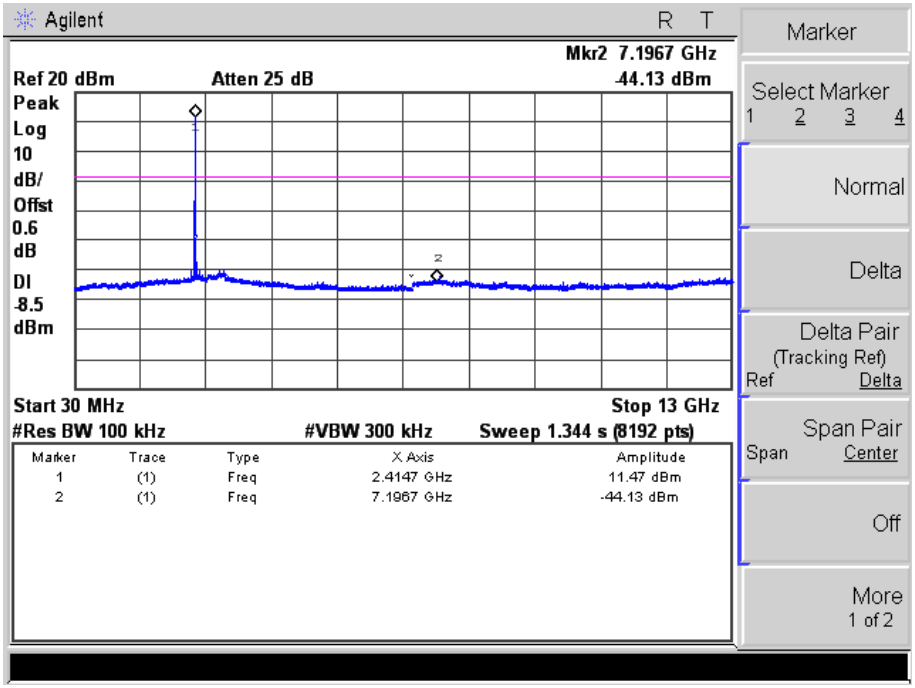
4.1.4 EUT OPERATION CONDITIONS

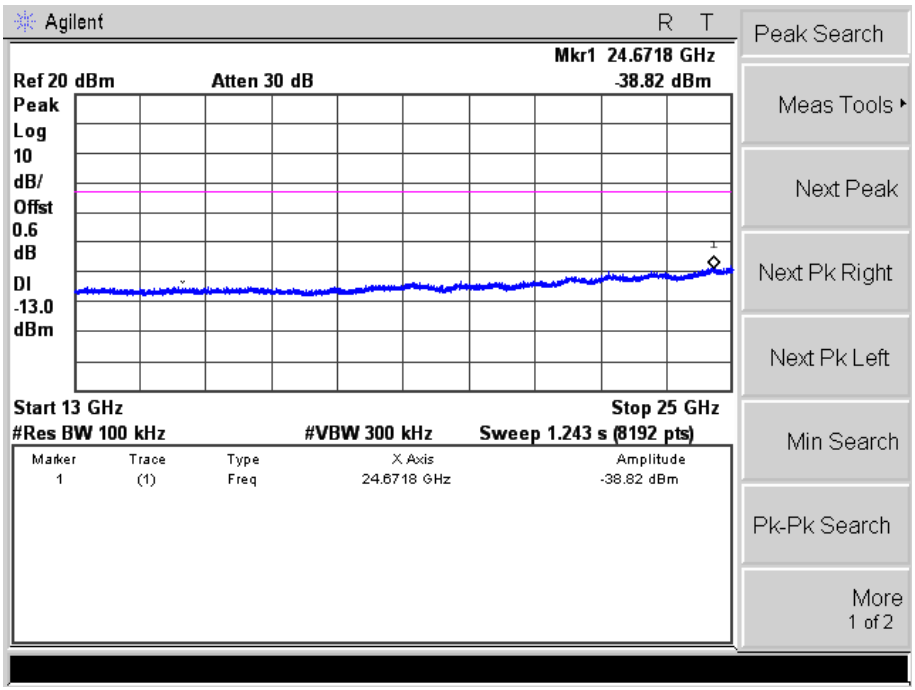
The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

4.1.5 TEST RESULTS

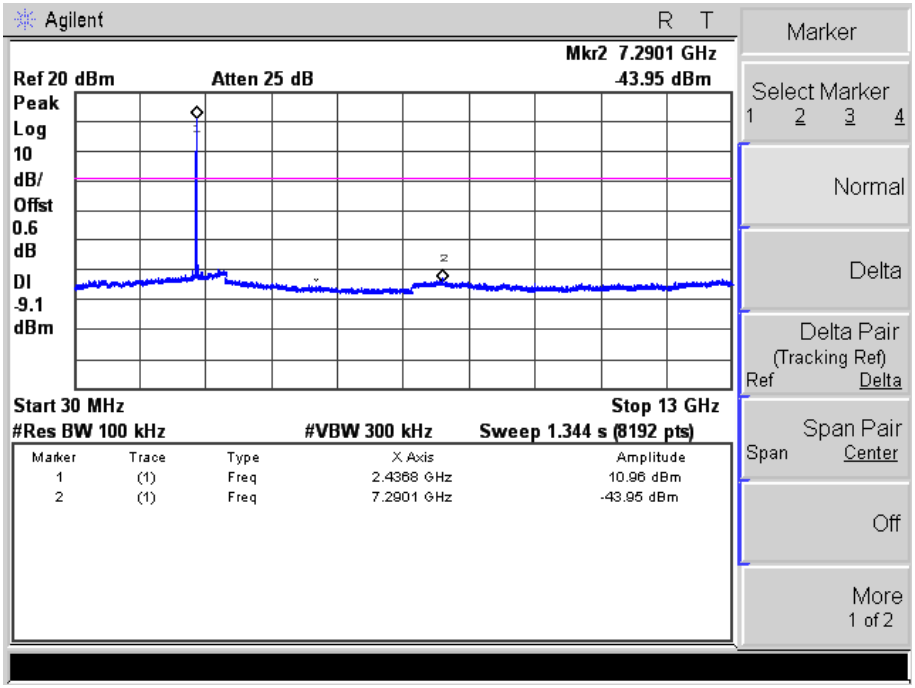
EUT：	smart mobile phone	Model Name ：	K968
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1015 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	TX b Mode /CH01, CH06, CH11		

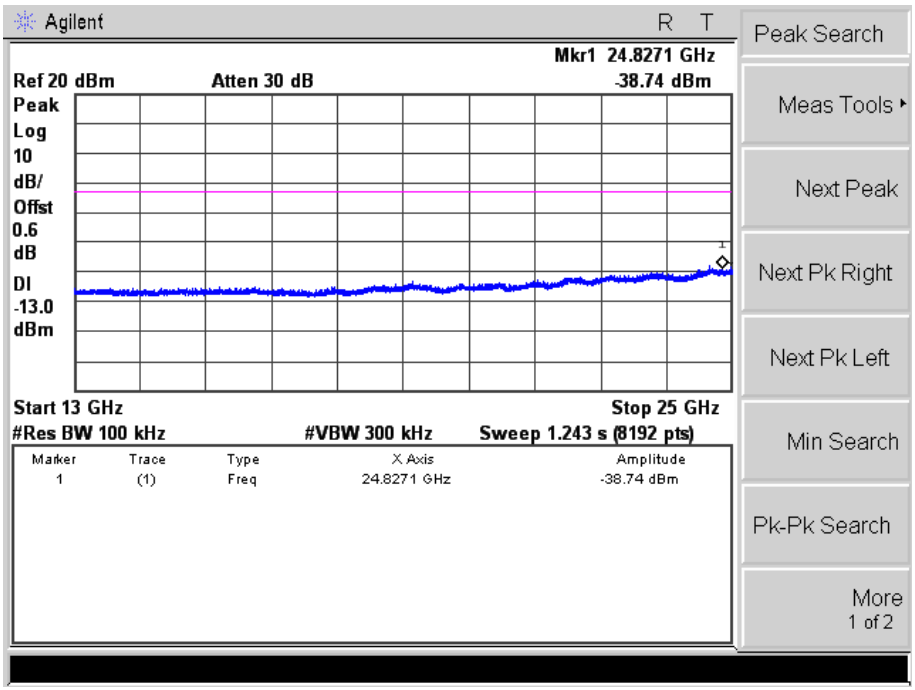
CH 01



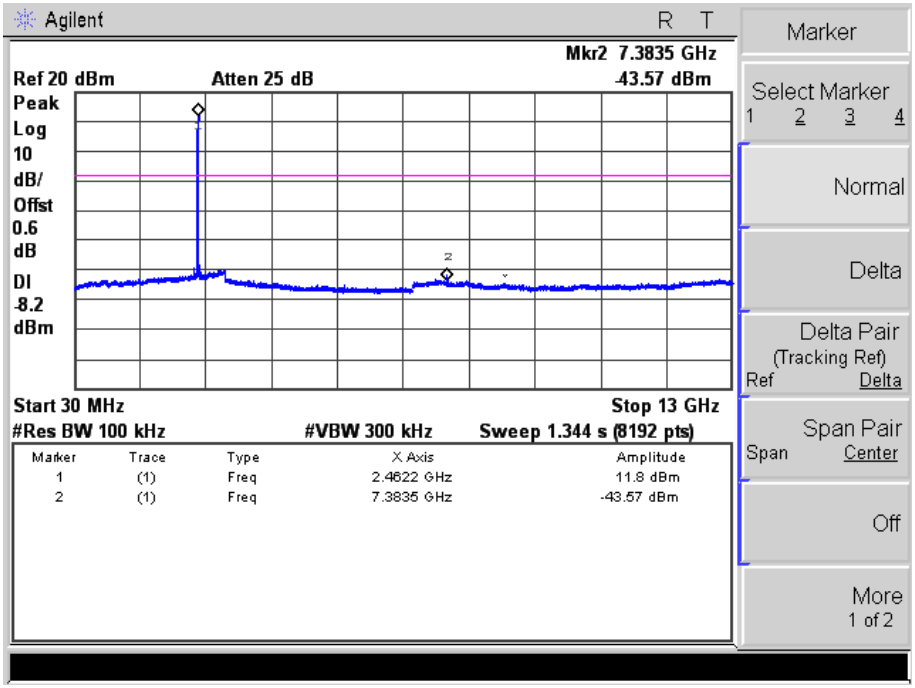


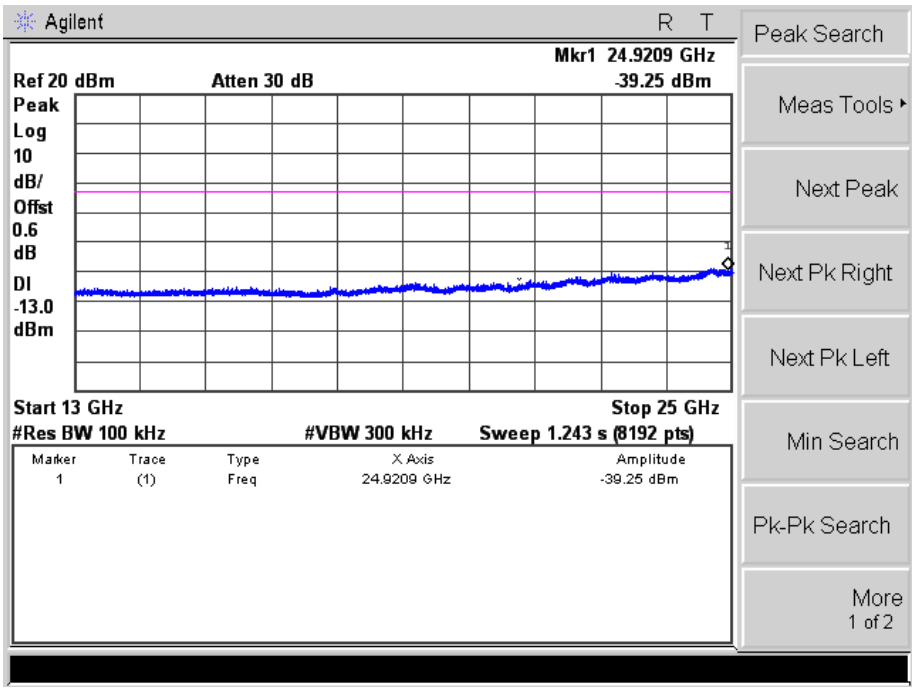
CH 06


Agilent
R T
Mkr2 7.2901 GHz
Ref 20 dBm
Atten 25 dB
-43.95 dBm
Peak
Log
10
dB/
Offst
0.6
dB
Dl
-9.1
dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 13 GHz
Sweep 1.344 s (8192 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.4368 GHz 10.96 dBm
2 (1) Freq 7.2901 GHz -43.95 dBm
Marker
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref Delta
Span Pair
Span Center
Off
More
1 of 2


Agilent
R T
Mkr1 24.8271 GHz
Ref 20 dBm
Atten 30 dB
-38.74 dBm
Peak
Log
10
dB/
Offst
0.6
dB
Dl
-13.0
dBm
Start 13 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 25 GHz
Sweep 1.243 s (8192 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 24.8271 GHz -38.74 dBm
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

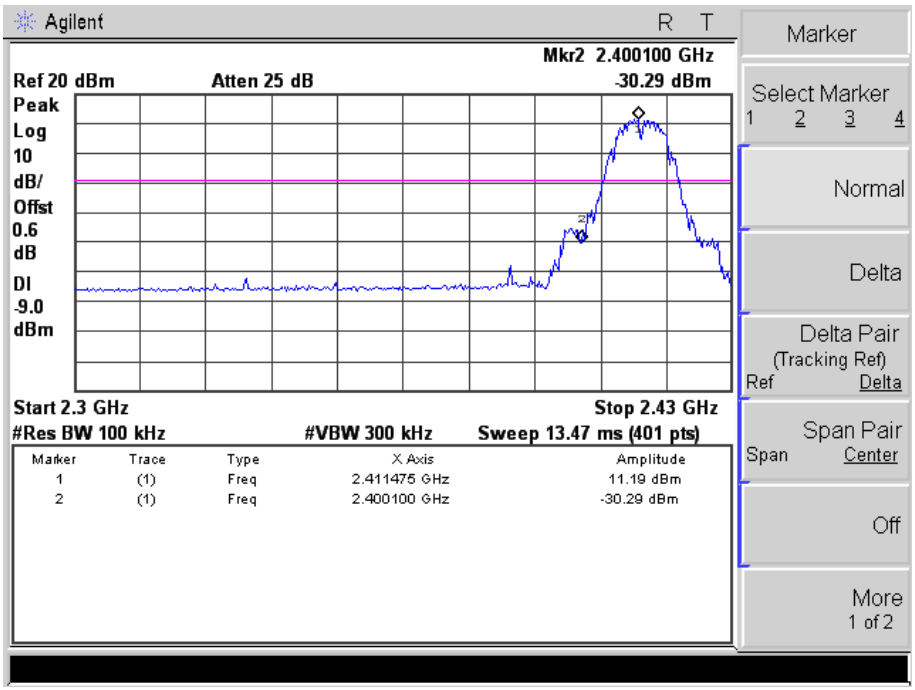
CH 11


Agilent
R T
Mkr2 7.3835 GHz
Ref 20 dBm
Atten 25 dB
-43.57 dBm
Peak
Log
10
dB/
Offst
0.6
dB
Dl
-8.2
dBm
Start 30 MHz
Stop 13 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.344 s (8192 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.4622 GHz 11.8 dBm
2 (1) Freq 7.3835 GHz -43.57 dBm
Marker
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref Delta
Span Pair
Span Center
Off
More
1 of 2

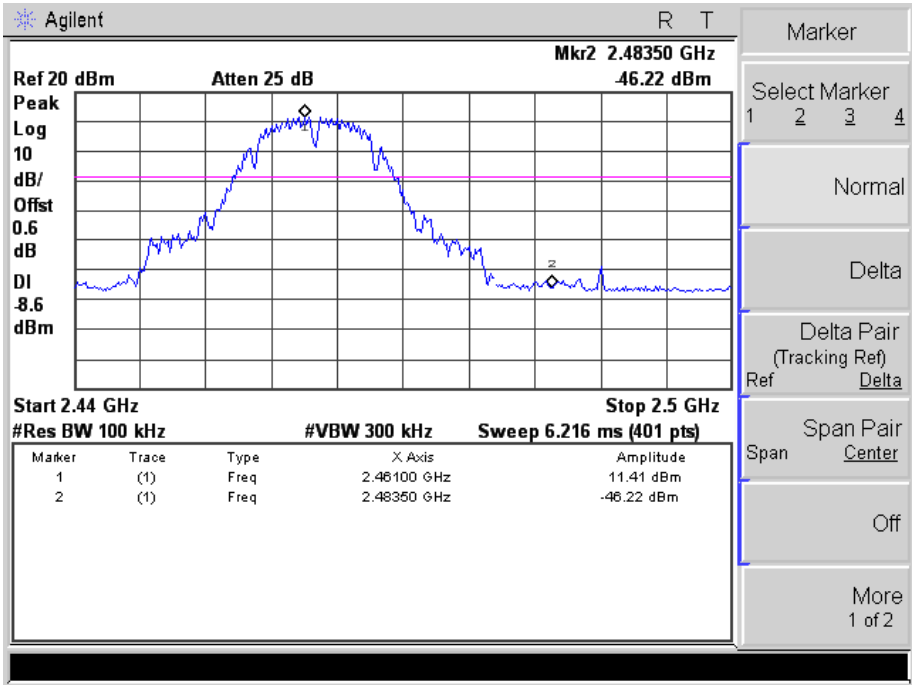

Agilent
R T
Mkr1 24.9209 GHz
Ref 20 dBm
Atten 30 dB
-39.25 dBm
Peak
Log
10
dB/
Offst
0.6
dB
Dl
-13.0
dBm
Start 13 GHz
Stop 25 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.243 s (8192 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 24.9209 GHz -39.25 dBm
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

Band edge

CH 01

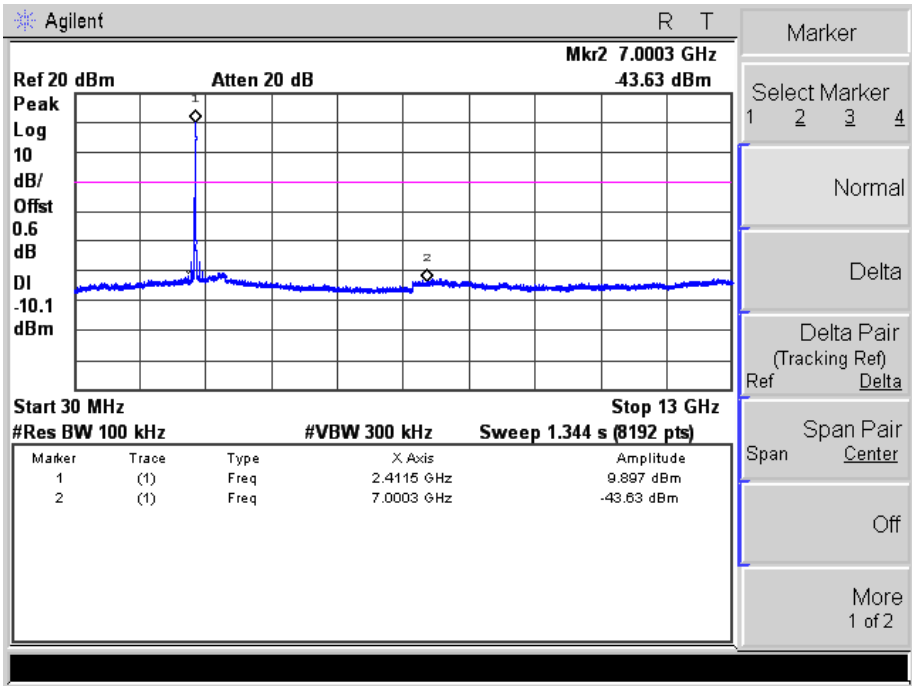


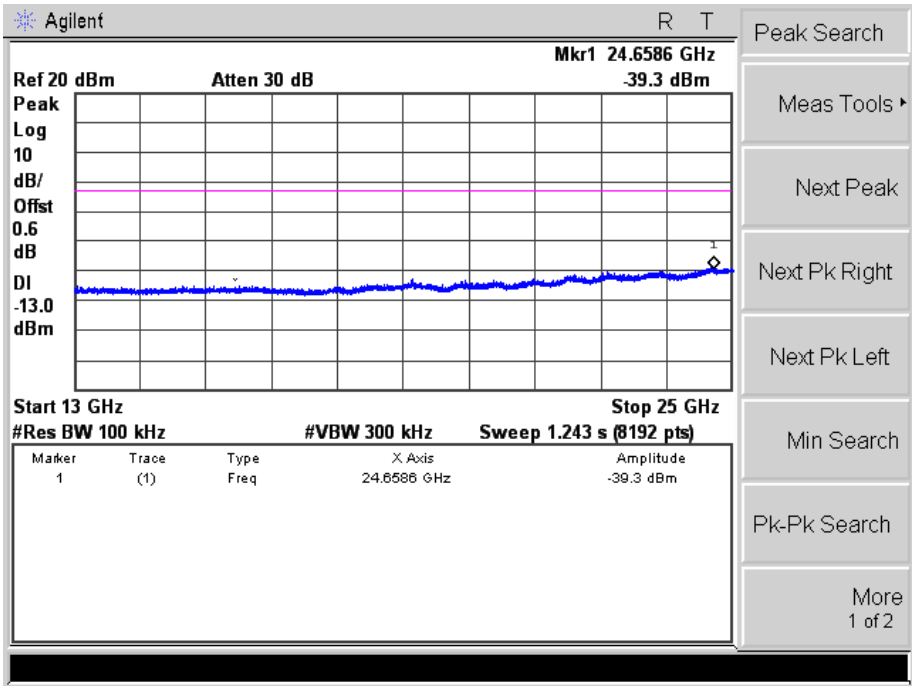
CH 11



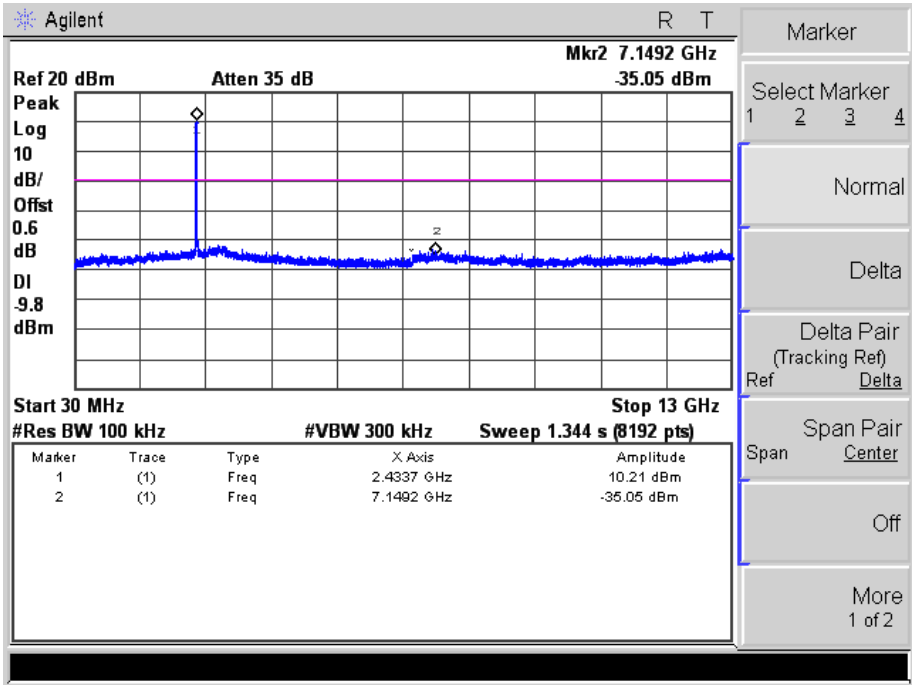
EUT：	smart mobile phone	Model Name ：	K968
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1015 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	TX g Mode /CH01, CH06, CH11		

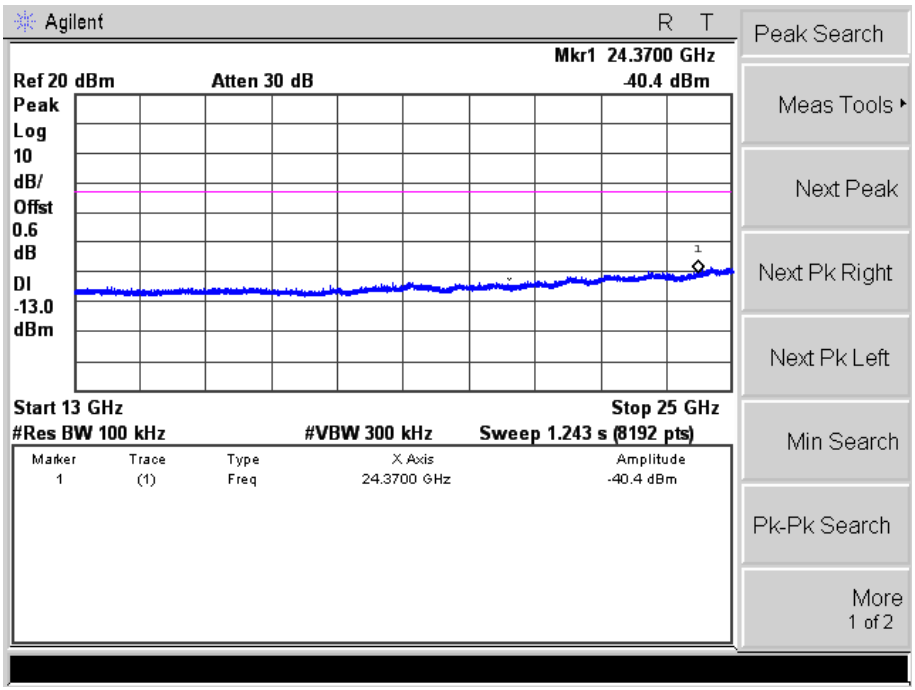
CH 01



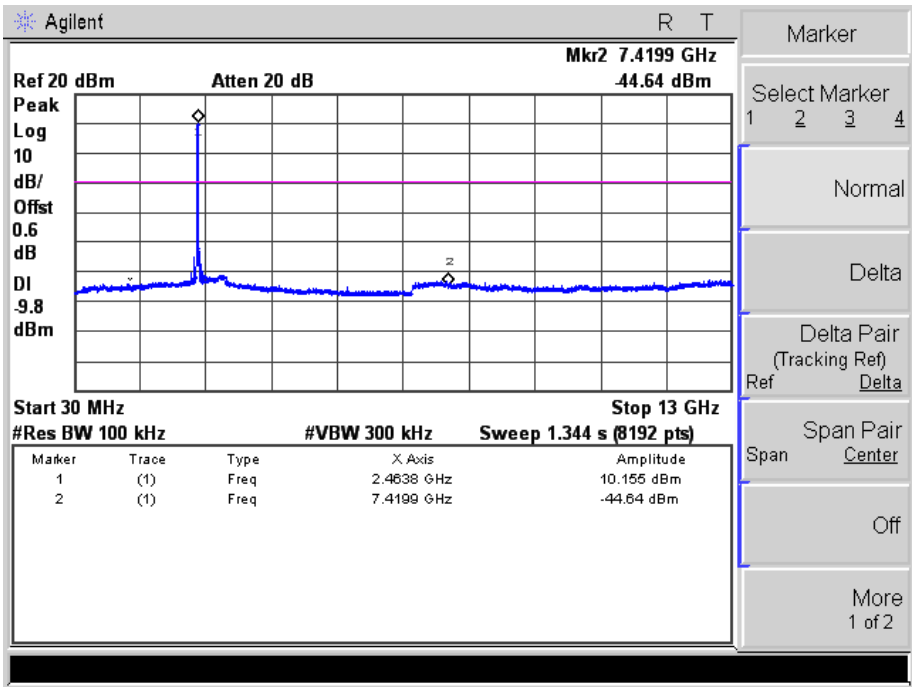


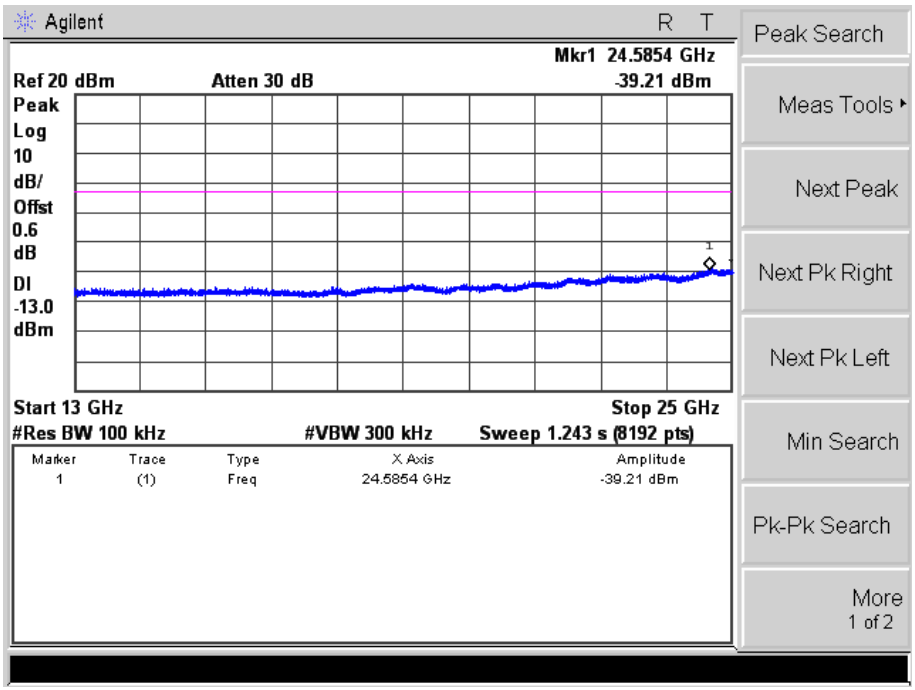
CH 06


Agilent
R T
Mkr2 7.1492 GHz
Ref 20 dBm
Atten 35 dB
-35.05 dBm
Peak
Log
10
dB/
Offst
0.6
dB
Dl
-9.8
dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 13 GHz
Sweep 1.344 s (8192 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.4337 GHz 10.21 dBm
2 (1) Freq 7.1492 GHz -35.05 dBm
Marker
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref Delta
Span Pair
Span Center
Off
More
1 of 2


Agilent
R T
Mkr1 24.3700 GHz
Ref 20 dBm
Atten 30 dB
-40.4 dBm
Peak
Log
10
dB/
Offst
0.6
dB
Dl
-13.0
dBm
Start 13 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 25 GHz
Sweep 1.243 s (8192 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 24.3700 GHz -40.4 dBm
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

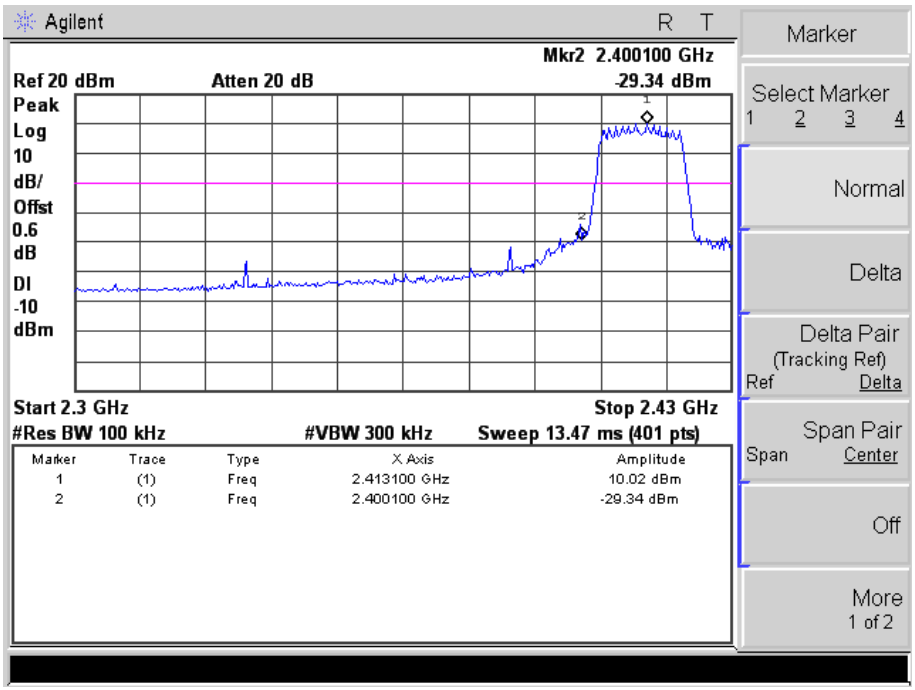
CH 11


Agilent
R T
Mkr2 7.4199 GHz
Ref 20 dBm
Atten 20 dB
-44.64 dBm
Peak
Log
10
dB/
Offst
0.6
dB
Dl
-9.8
dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 13 GHz
Sweep 1.344 s (8192 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.4638 GHz 10.155 dBm
2 (1) Freq 7.4199 GHz -44.64 dBm
Marker
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref Delta
Span Pair
Span Center
Off
More
1 of 2

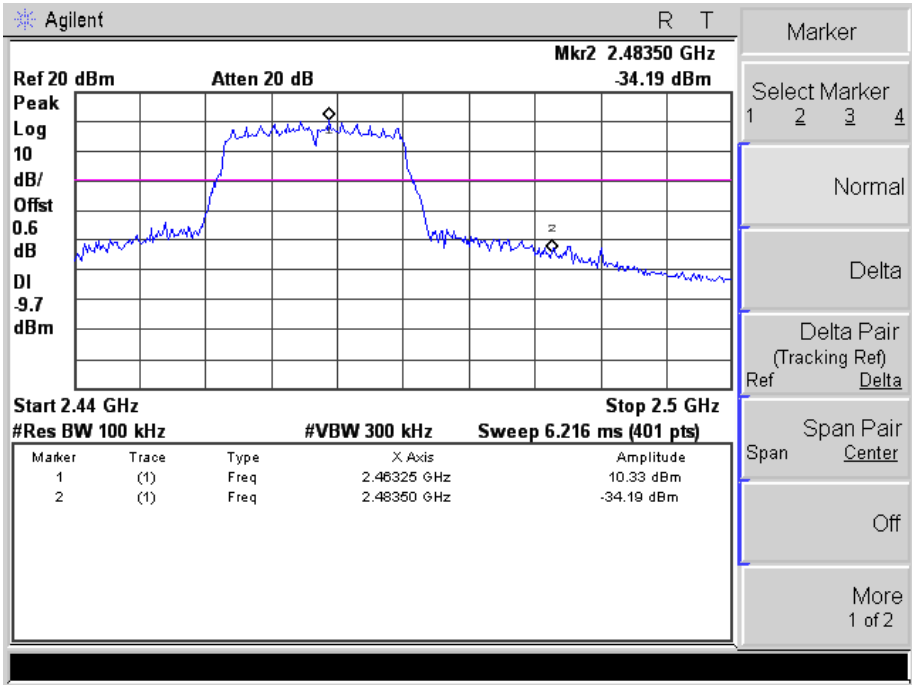

Agilent
R T
Mkr1 24.5854 GHz
Ref 20 dBm
Atten 30 dB
-39.21 dBm
Peak
Log
10
dB/
Offst
0.6
dB
Dl
-13.0
dBm
Start 13 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 25 GHz
Sweep 1.243 s (8192 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 24.5854 GHz -39.21 dBm
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

Band edge

CH 01

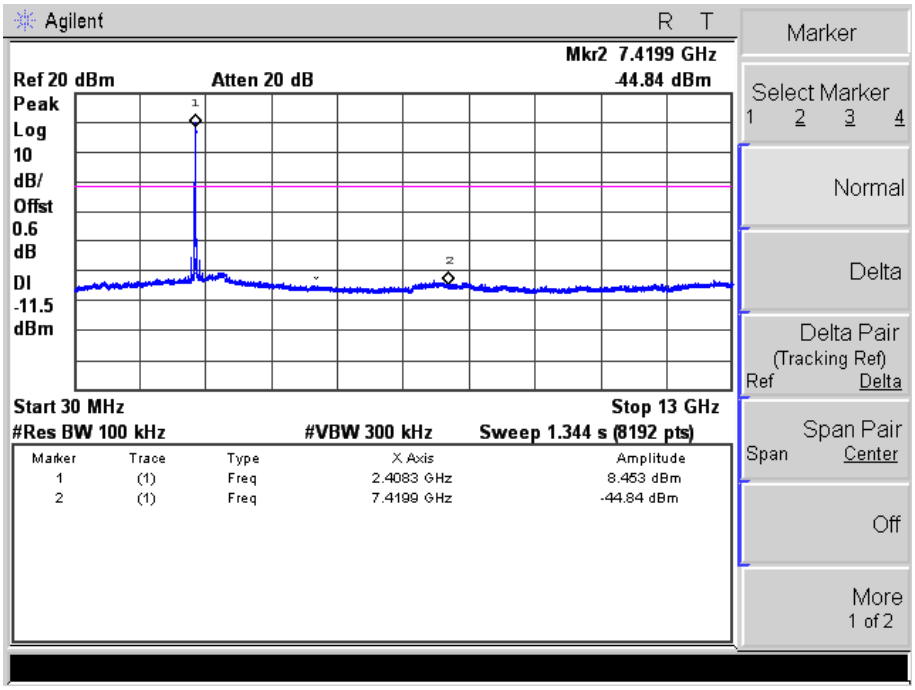


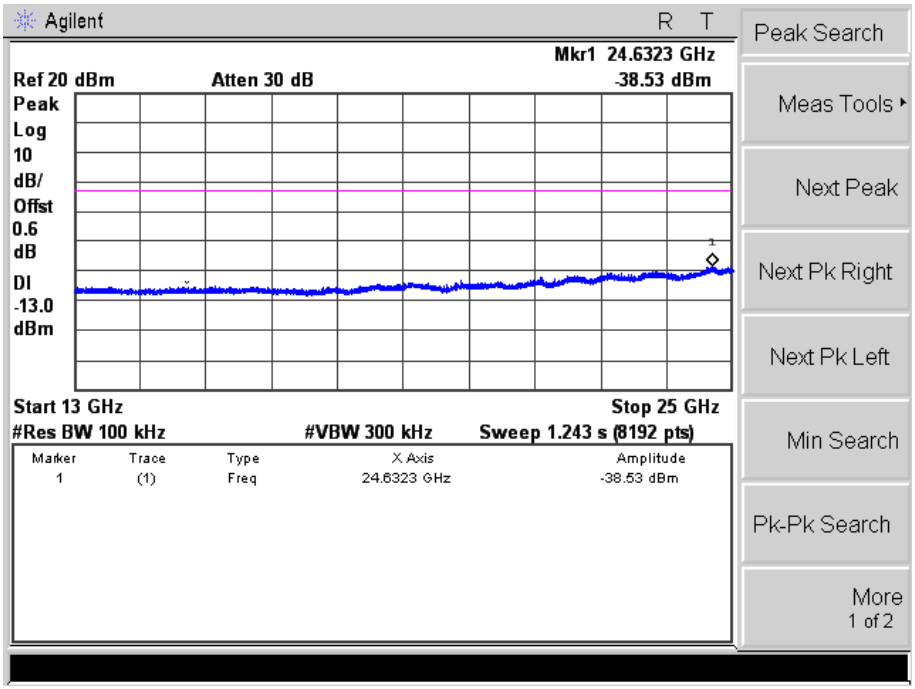
CH11



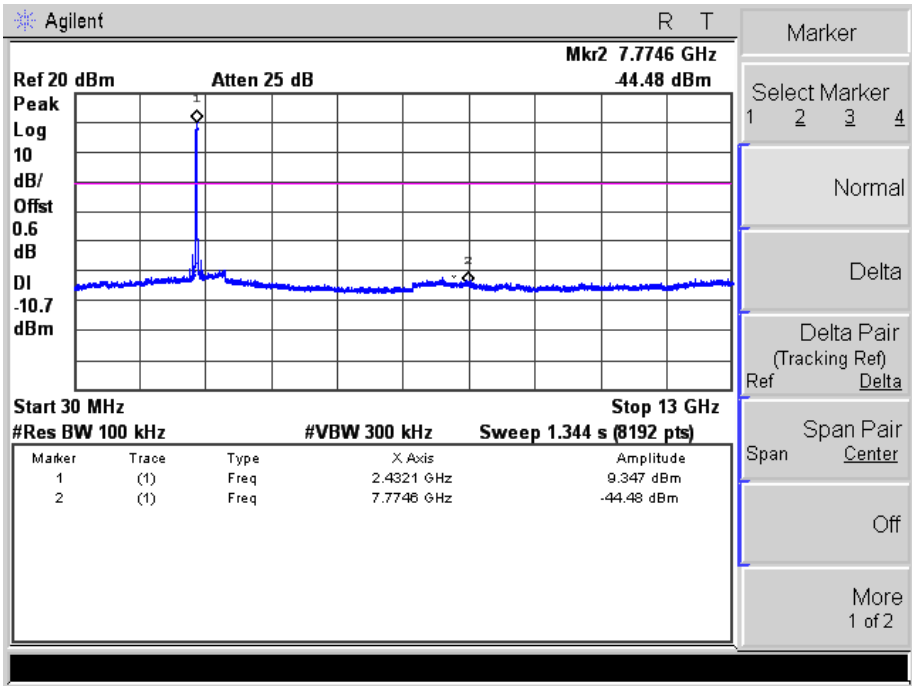
EUT：	smart mobile phone	Model Name ：	K968
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1015 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	TX n Mode(20M) /CH01, CH06, CH11		

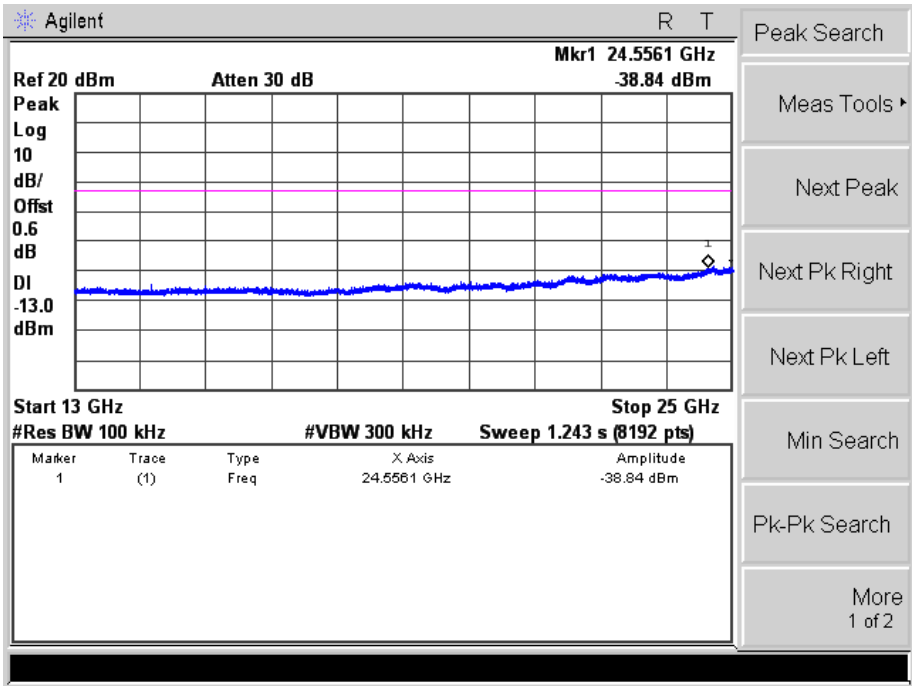
CH 01



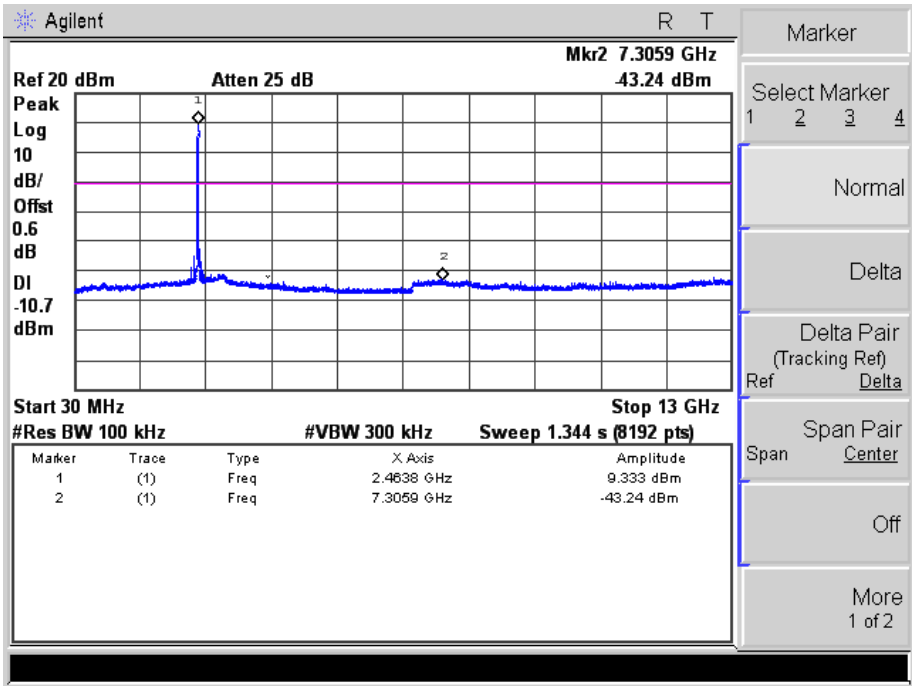


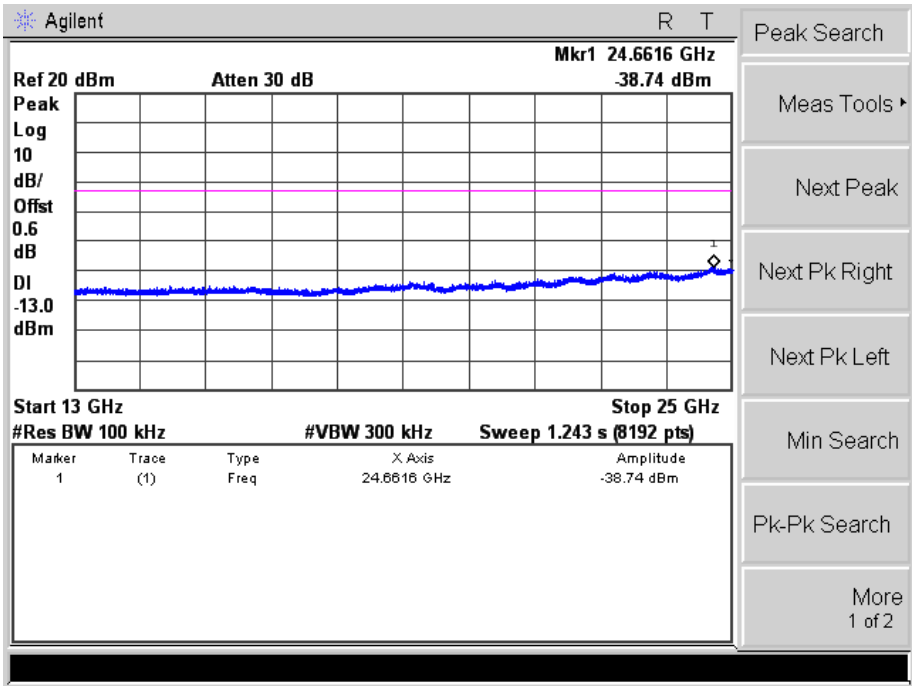
CH 06


Agilent
R T
Mkr2 7.7746 GHz
Ref 20 dBm
Atten 25 dB
-44.48 dBm
Peak
Log
10
dB/
Offst
0.6
dB
Dl
-10.7
dBm
Start 30 MHz
Stop 13 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.344 s (8192 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.4321 GHz 9.347 dBm
2 (1) Freq 7.7746 GHz -44.48 dBm
Marker
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref Delta
Span Pair
Span Center
Off
More
1 of 2


Agilent
R T
Mkr1 24.5561 GHz
Ref 20 dBm
Atten 30 dB
-38.84 dBm
Peak
Log
10
dB/
Offst
0.6
dB
Dl
-13.0
dBm
Start 13 GHz
Stop 25 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.243 s (8192 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 24.5561 GHz -38.84 dBm
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

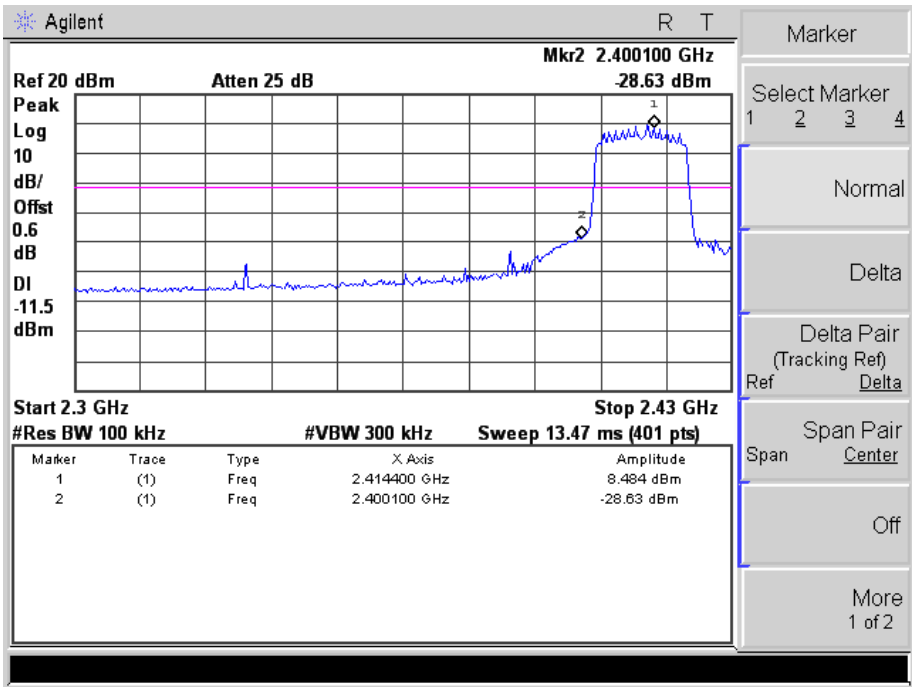
CH 11


Agilent
R T
Mkr2 7.3059 GHz
Ref 20 dBm
Atten 25 dB
-43.24 dBm
Peak
Log
10
dB/
Offst
0.6
dB
Dl
-10.7
dBm
Start 30 MHz
Stop 13 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.344 s (8192 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.4638 GHz 9.333 dBm
2 (1) Freq 7.3059 GHz -43.24 dBm
Marker
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref Delta
Span Pair
Span Center
Off
More
1 of 2

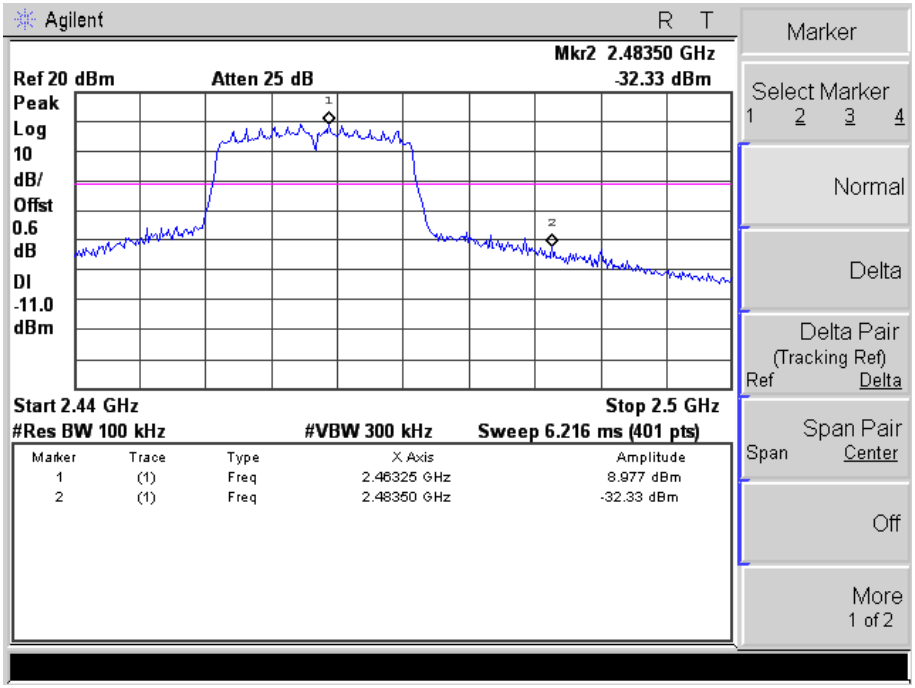

Agilent
R T
Mkr1 24.6616 GHz
Ref 20 dBm
Atten 30 dB
-38.74 dBm
Peak
Log
10
dB/
Offst
0.6
dB
Dl
-13.0
dBm
Start 13 GHz
Stop 25 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.243 s (8192 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 24.6616 GHz -38.74 dBm
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

Band edge

CH 01

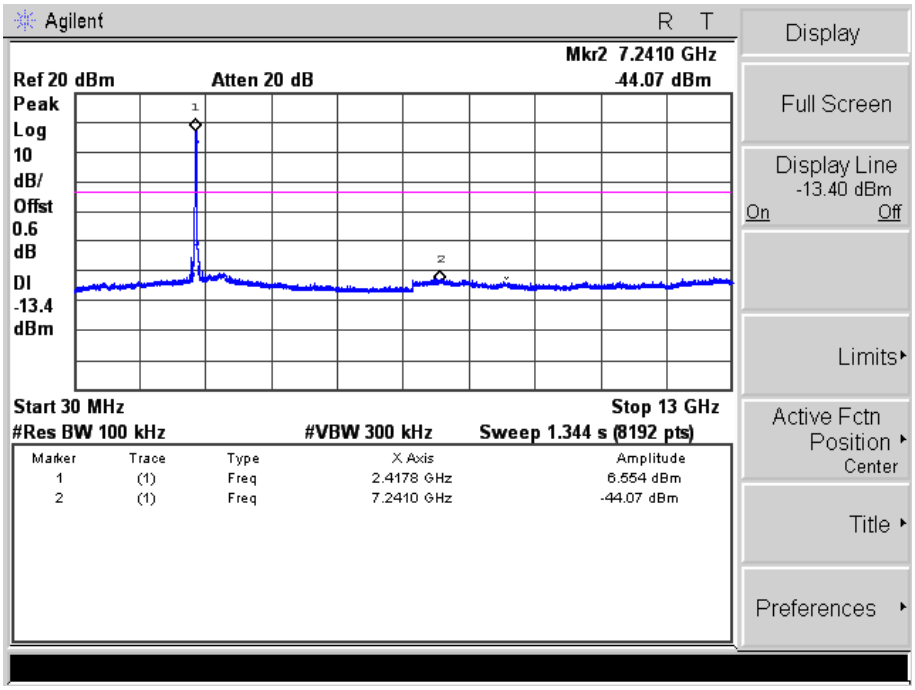


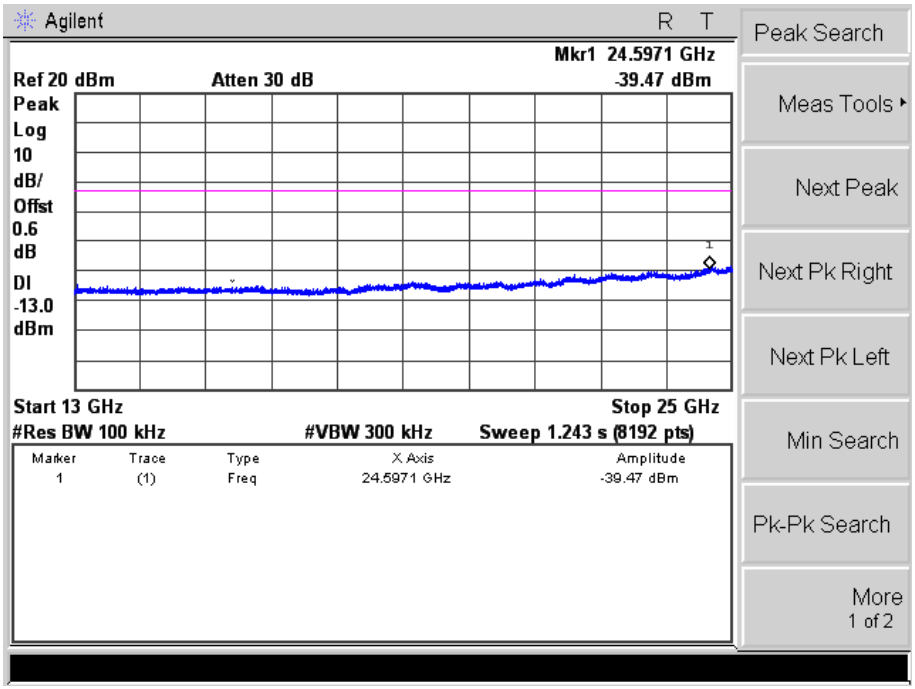
CH 11



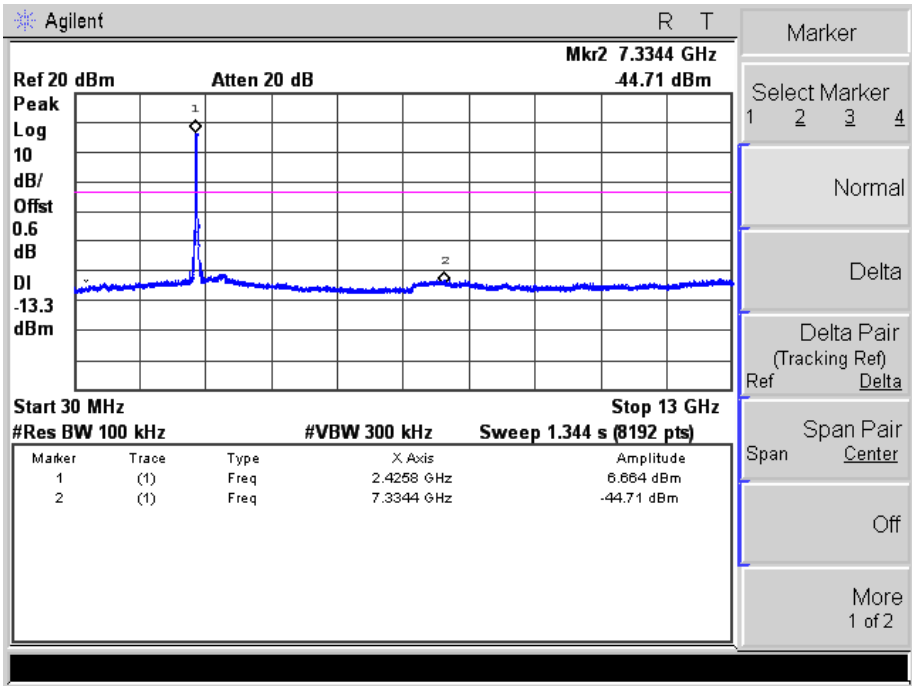
EUT：	smart mobile phone	Model Name ：	K968
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1015 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	TX n Mode(40M) /CH03, CH06, CH09		

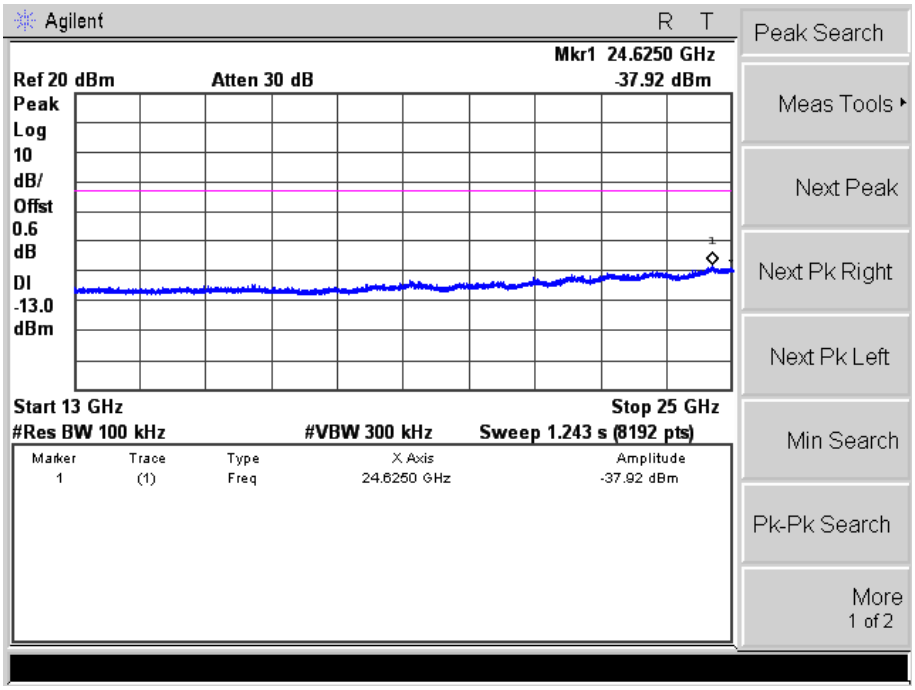
CH 03



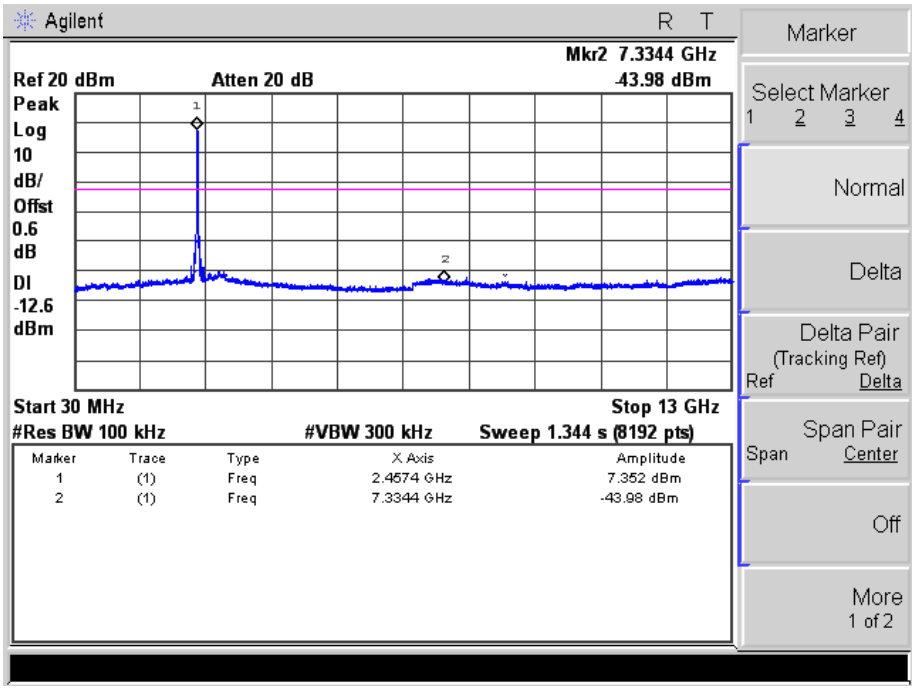


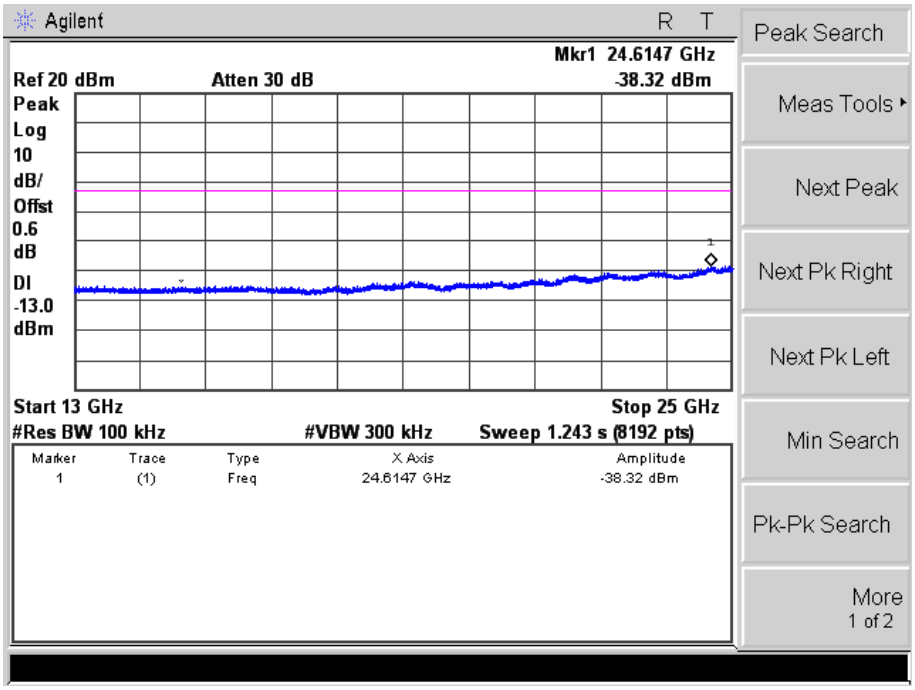
CH06


Agilent
R T
Mkr2 7.3344 GHz
Ref 20 dBm
Atten 20 dB
-44.71 dBm
Peak
Log
10
dB/
Offst
0.6
dB
Dl
-13.3
dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 13 GHz
Sweep 1.344 s (8192 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.4258 GHz 6.664 dBm
2 (1) Freq 7.3344 GHz -44.71 dBm
Marker
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref Delta
Span Pair
Span Center
Off
More
1 of 2


Agilent
R T
Mkr1 24.6250 GHz
Ref 20 dBm
Atten 30 dB
-37.92 dBm
Peak
Log
10
dB/
Offst
0.6
dB
Dl
-13.0
dBm
Start 13 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 25 GHz
Sweep 1.243 s (8192 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 24.6250 GHz -37.92 dBm
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

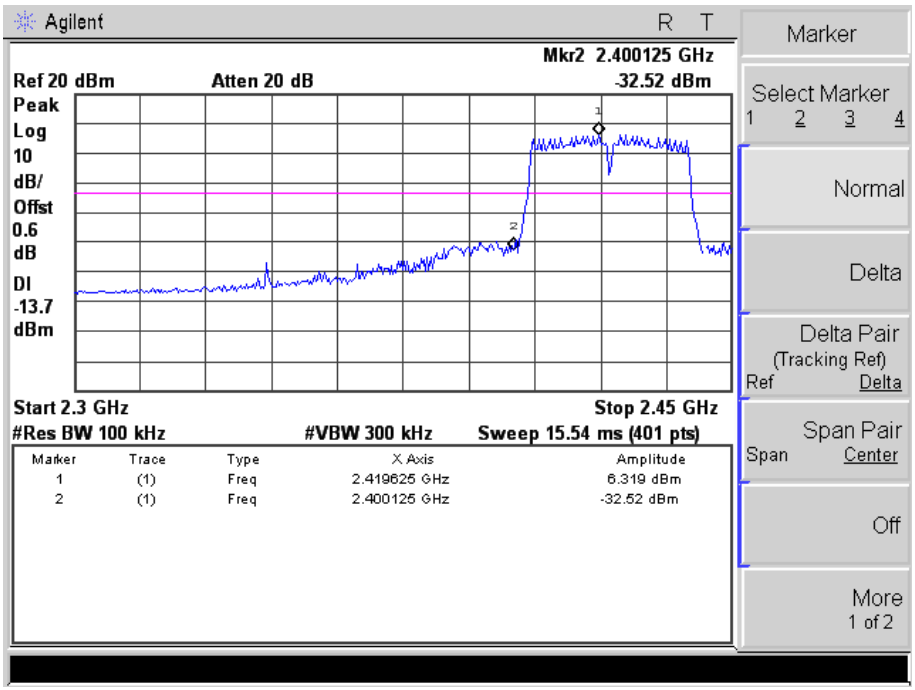
CH09


Agilent
R T
Mkr2 7.3344 GHz
Ref 20 dBm
Atten 20 dB
-43.98 dBm
Peak
Log
10
dB/
Offst
0.6
dB
Dl
-12.6
dBm
Start 30 MHz
Stop 13 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.344 s (8192 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.4674 GHz 7.352 dBm
2 (1) Freq 7.3344 GHz -43.98 dBm
Marker
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref Delta
Span Pair
Span Center
Off
More
1 of 2

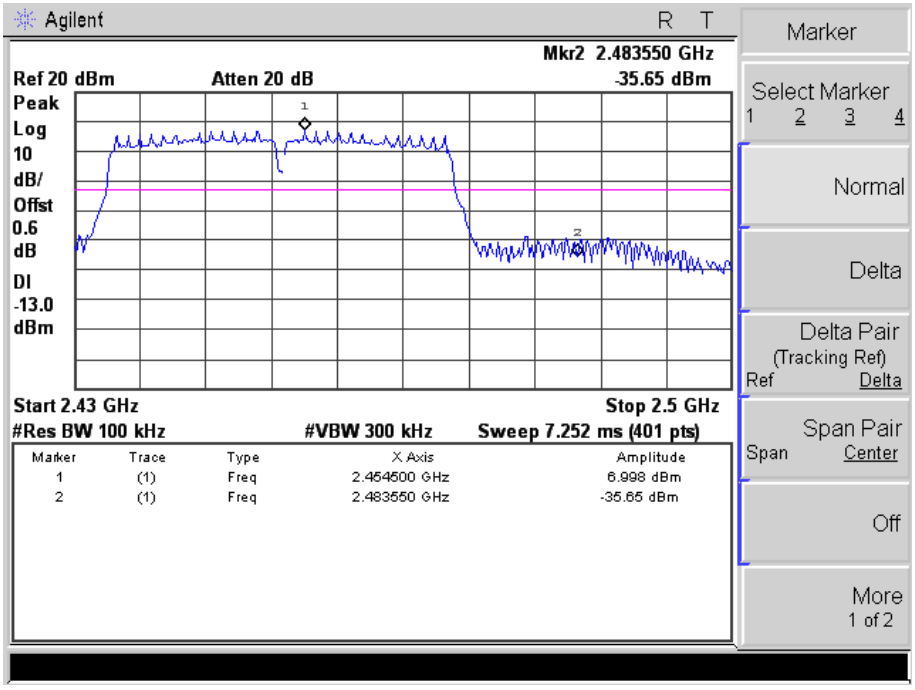

Agilent
R T
Mkr1 24.6147 GHz
Ref 20 dBm
Atten 30 dB
-38.32 dBm
Peak
Log
10
dB/
Offst
0.6
dB
Dl
-13.0
dBm
Start 13 GHz
Stop 25 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.243 s (8192 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 24.6147 GHz -38.32 dBm
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

Band edge

CH03



CH 09



5. POWER SPECTRAL DENSITY TEST

5.1 APPLIED PROCEDURES / LIMIT

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

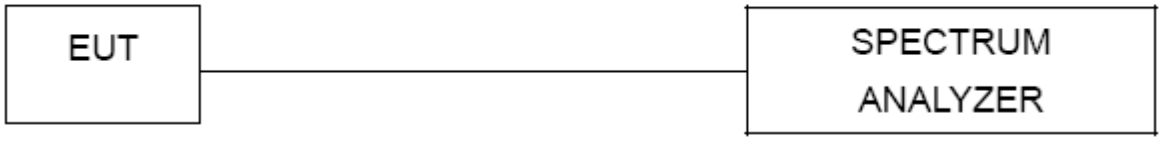
5.1.1 TEST PROCEDURE

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS channel bandwidth.
3. Set the RBW ≥ 3 kHz.
4. Set the VBW ≥ 3 x RBW.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

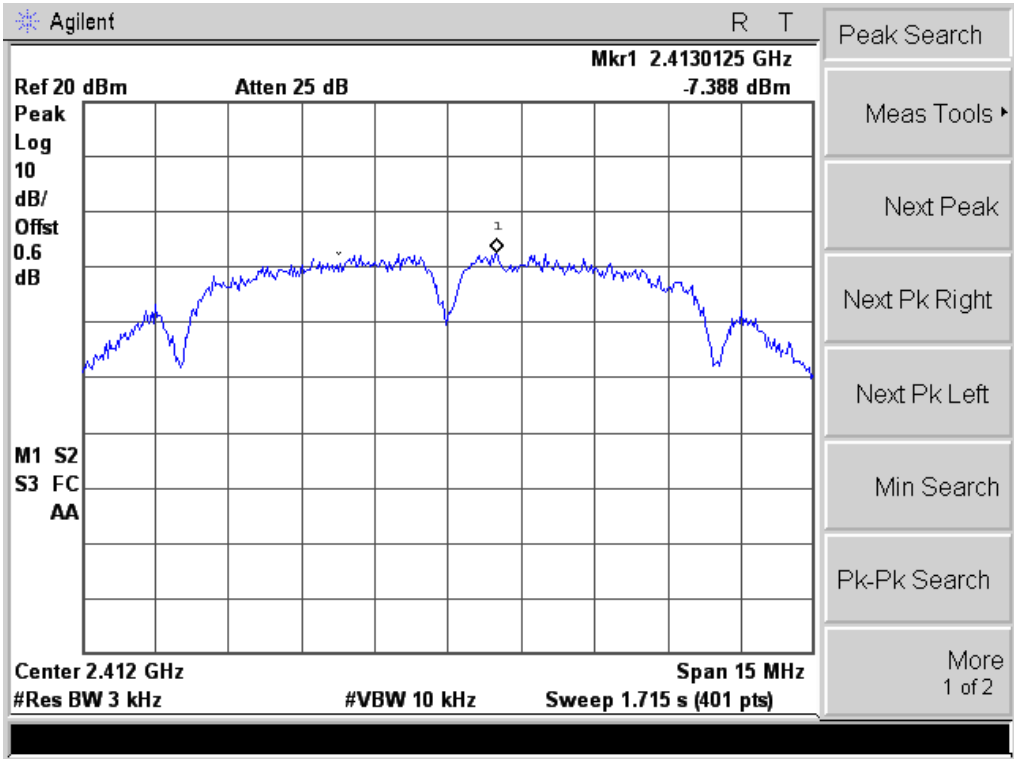
The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

5.1.5 TEST RESULTS

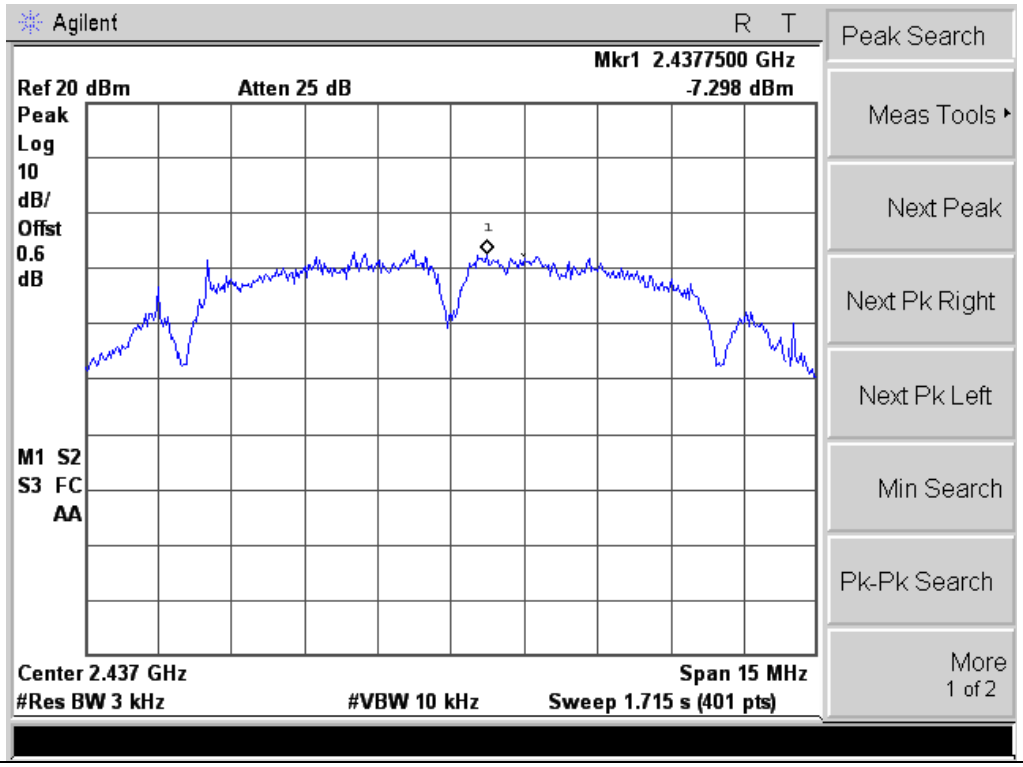
EUT：	smart mobile phone	Model Name ：	K968
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1015 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	TX b Mode /CH01, CH06, CH11		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	-7.388	8	**PASS**
2437 MHz	-7.298	8	**PASS**
2462 MHz	-7.184	8	**PASS**

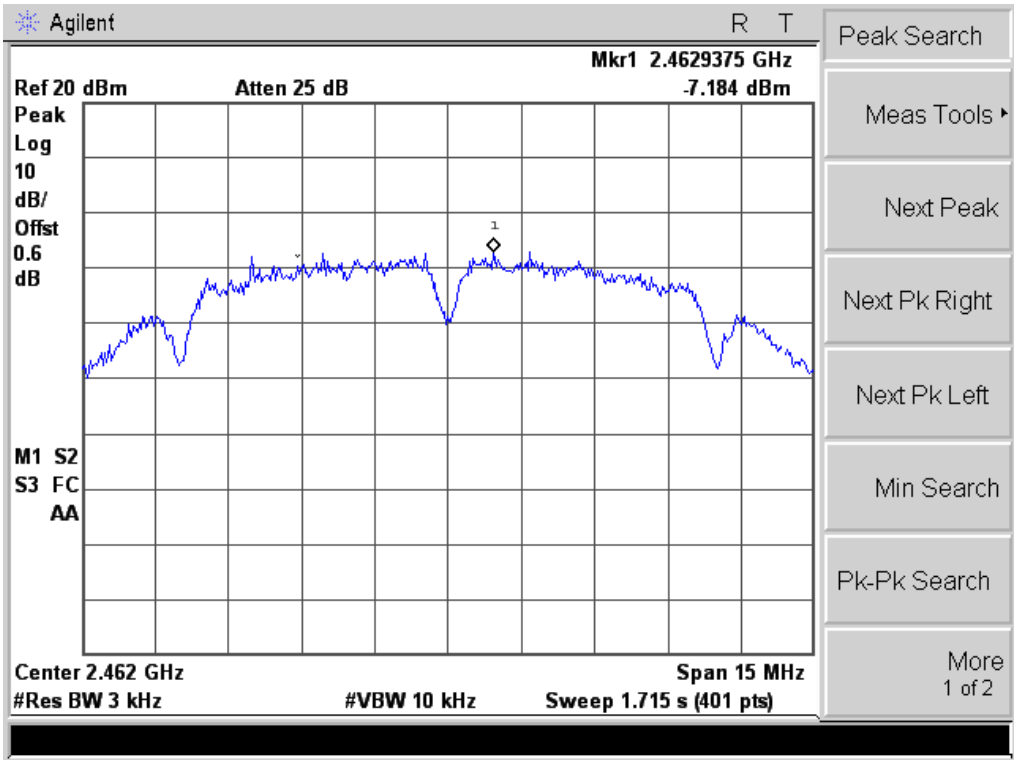
TX CH01



TX CH06



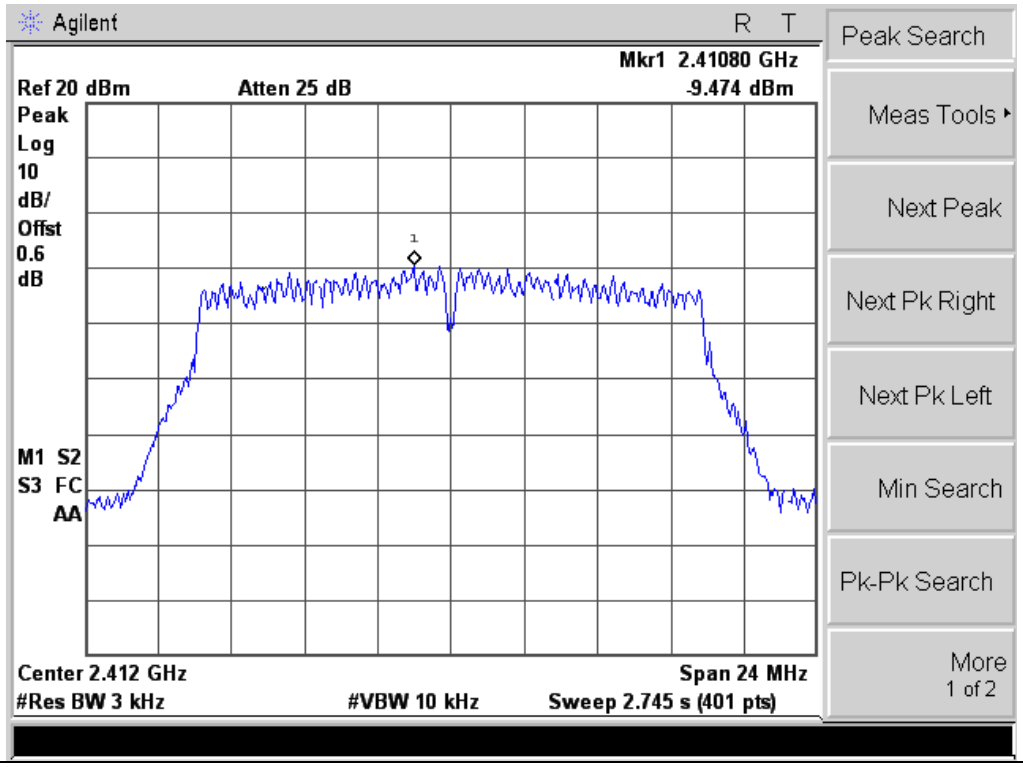
TX CH11



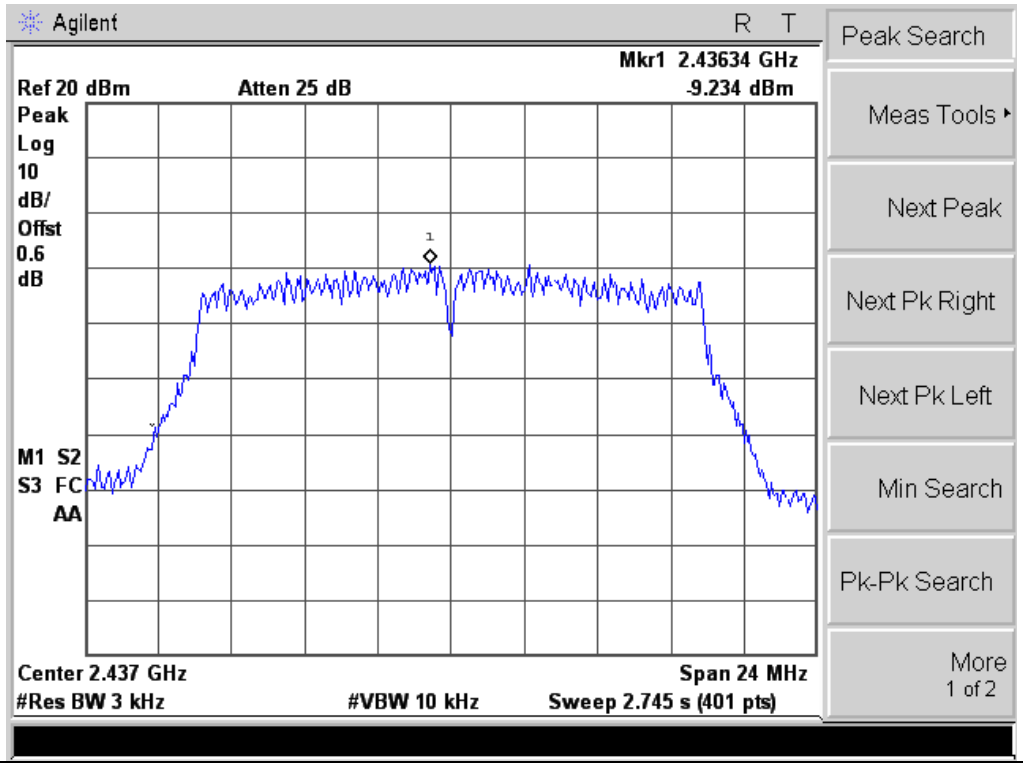
EUT：	smart mobile phone	Model Name ：	K968
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1015 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	TX g Mode /CH01, CH06, CH11		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	-9.474	8	**PASS**
2437 MHz	-9.234	8	**PASS**
2462 MHz	-9.641	8	**PASS**

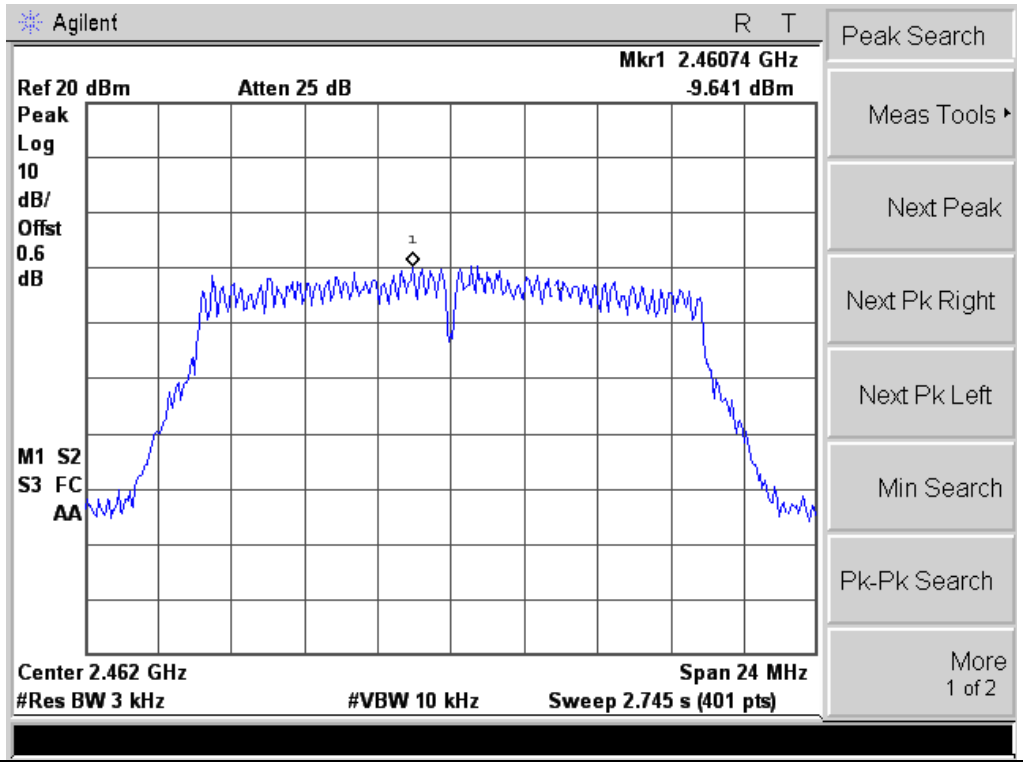
TX CH01



TX CH06



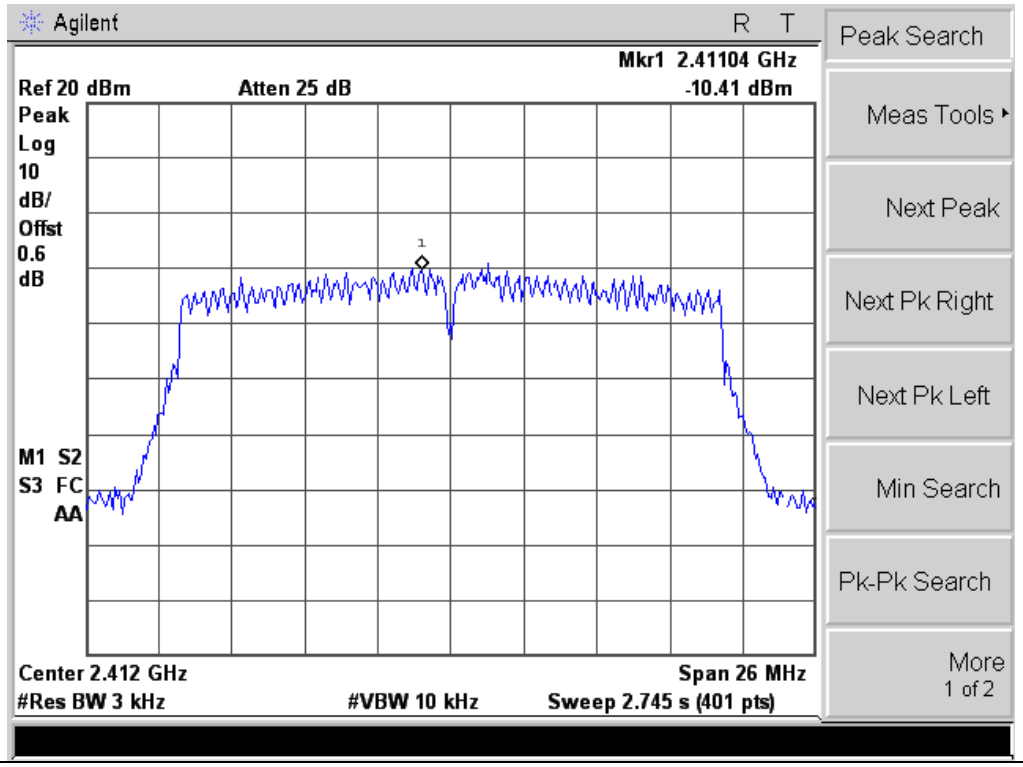
TX CH11



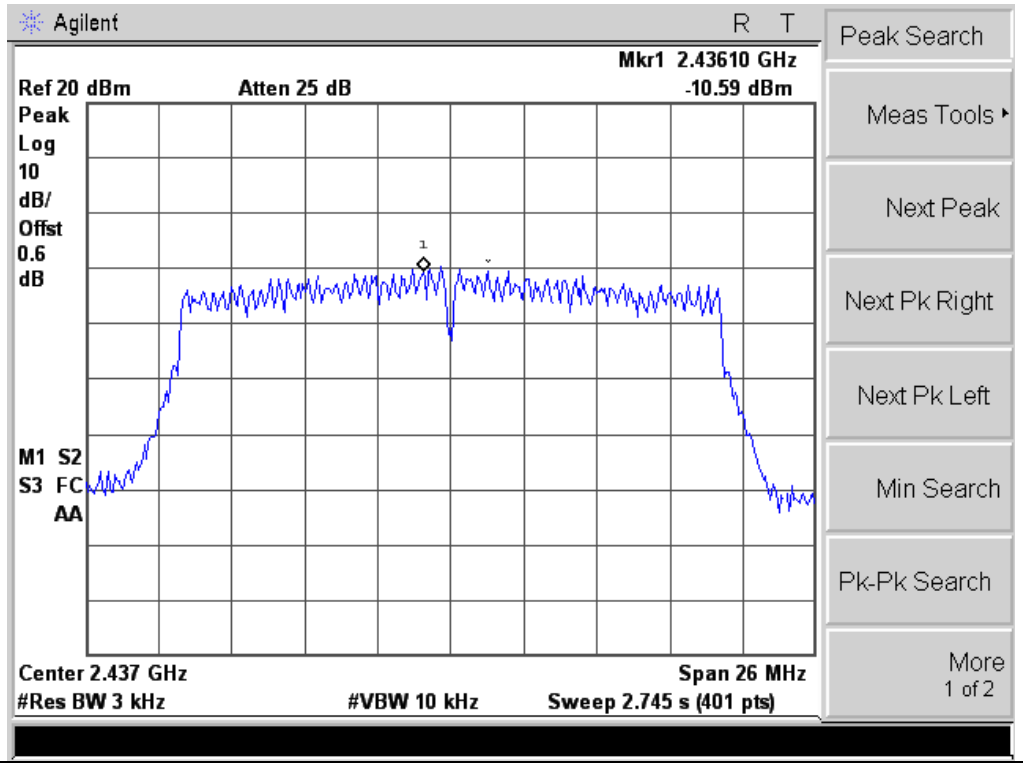
EUT：	smart mobile phone	Model Name ：	K968
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1015 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	TX n Mode(20M) /CH01, CH06, CH11		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	-10.41	8	**PASS**
2437 MHz	-10.59	8	**PASS**
2462 MHz	-10.19	8	**PASS**

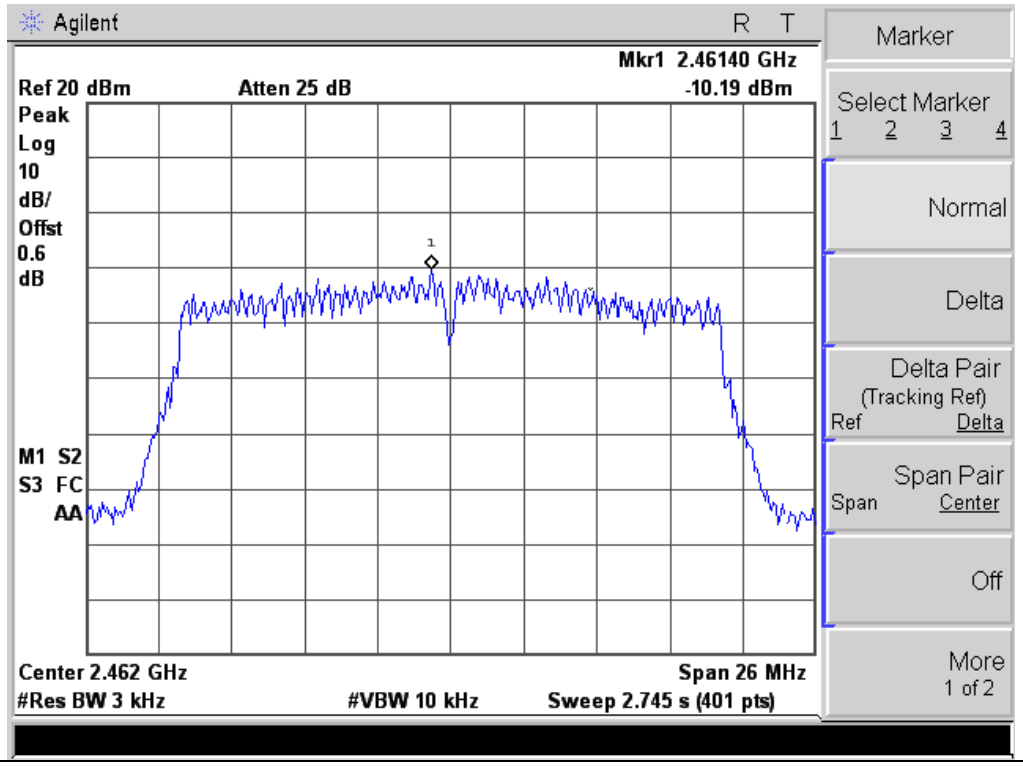
TX CH01



TX CH06



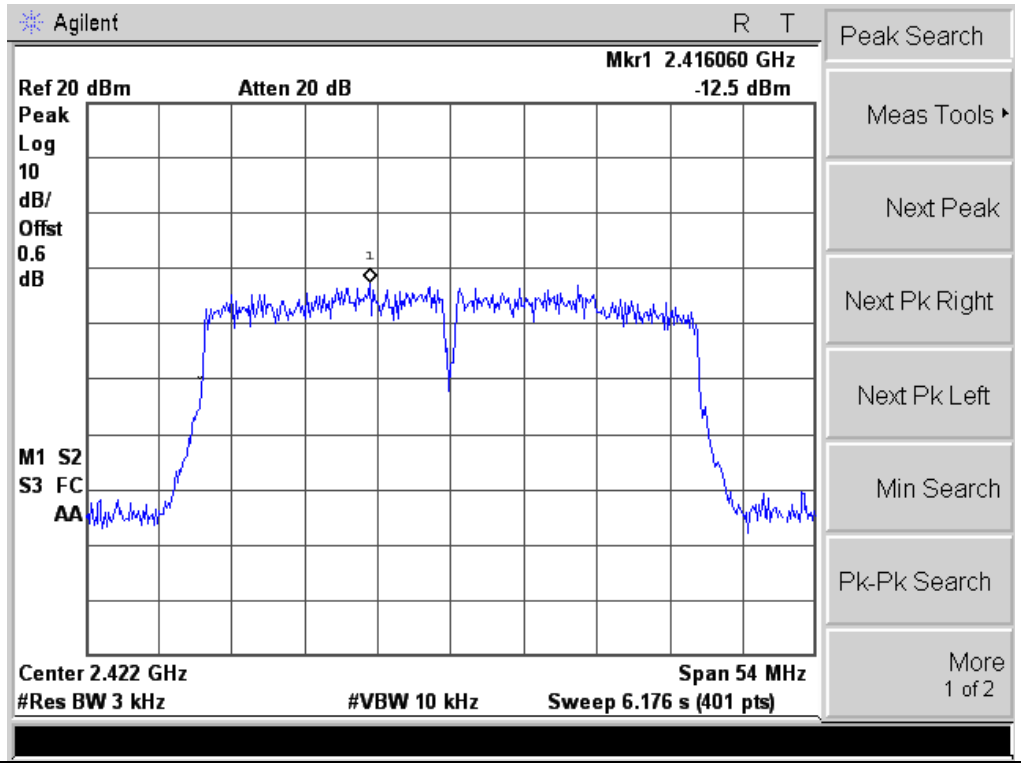
TX CH11



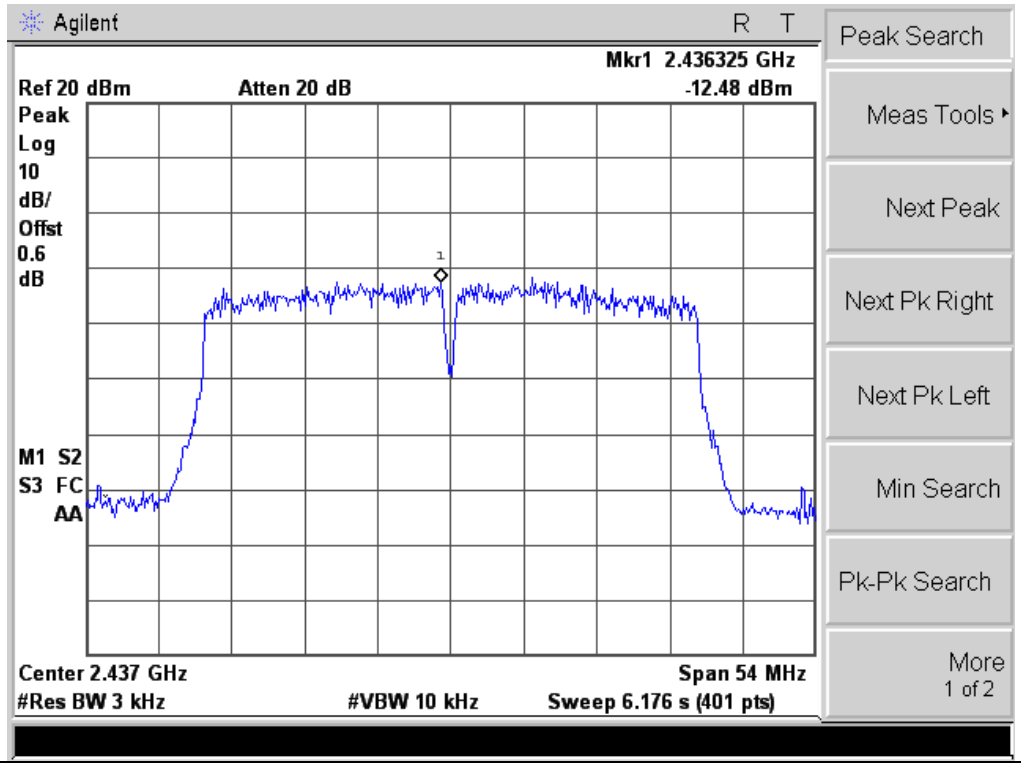
EUT：	smart mobile phone	Model Name ：	K968
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1015 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	TX n Mode(40M) /CH03, CH06, CH09		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2422 MHz	-12.50	8	PASS
2437 MHz	-12.48	8	PASS
2452 MHz	-12.25	8	PASS

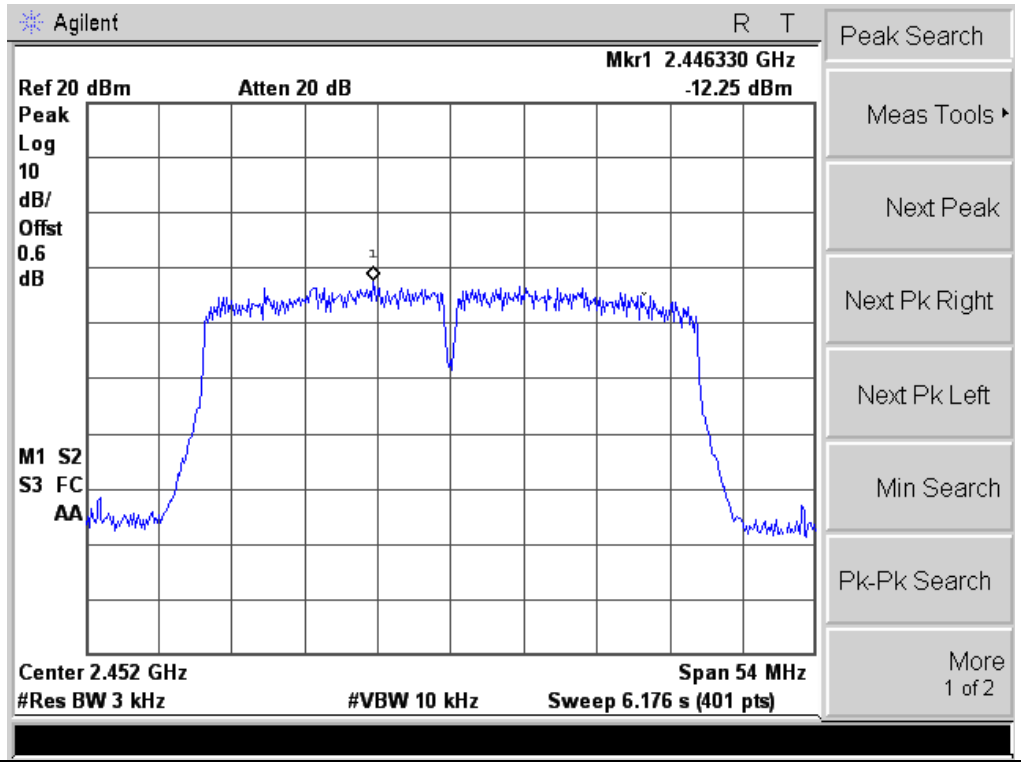
TX CH03



TX CH06



TX CH09



6. BANDWIDTH TEST

6.1 APPLIED PROCEDURES / LIMIT

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

6.1.1 TEST PROCEDURE

1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) ≥ 3 ´ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7.Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 d B relative to the maximum level measured in the fundamental emission.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP

6.1.4 EUT OPERATION CONDITIONS

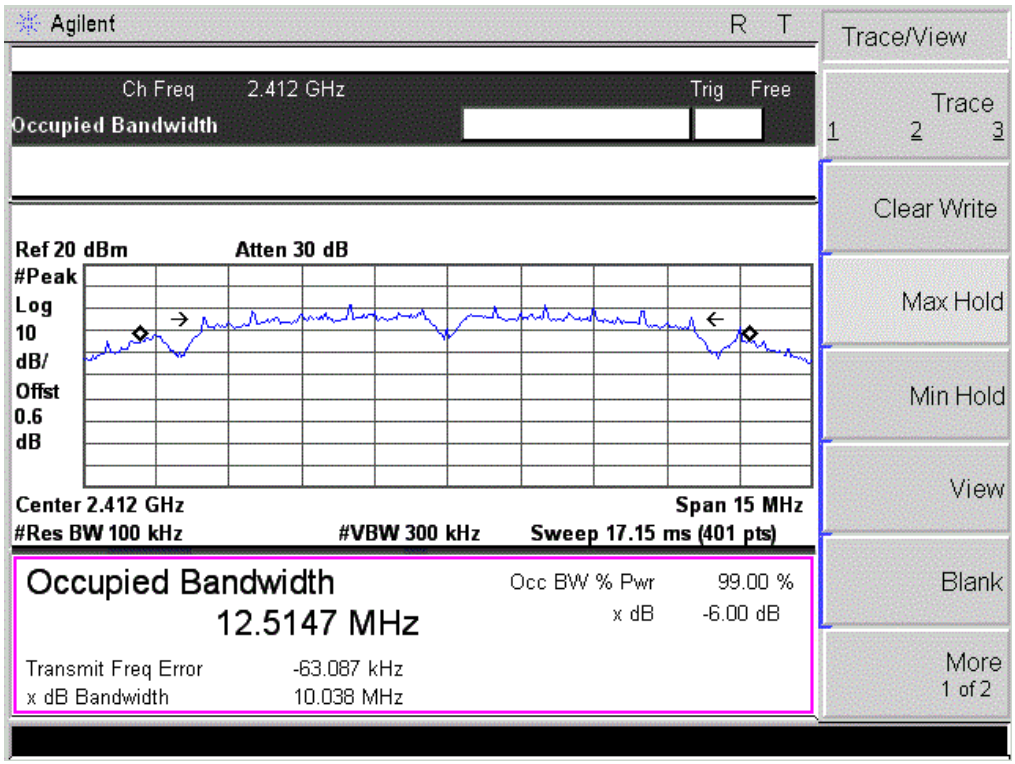
The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

6.1.5 TEST RESULTS

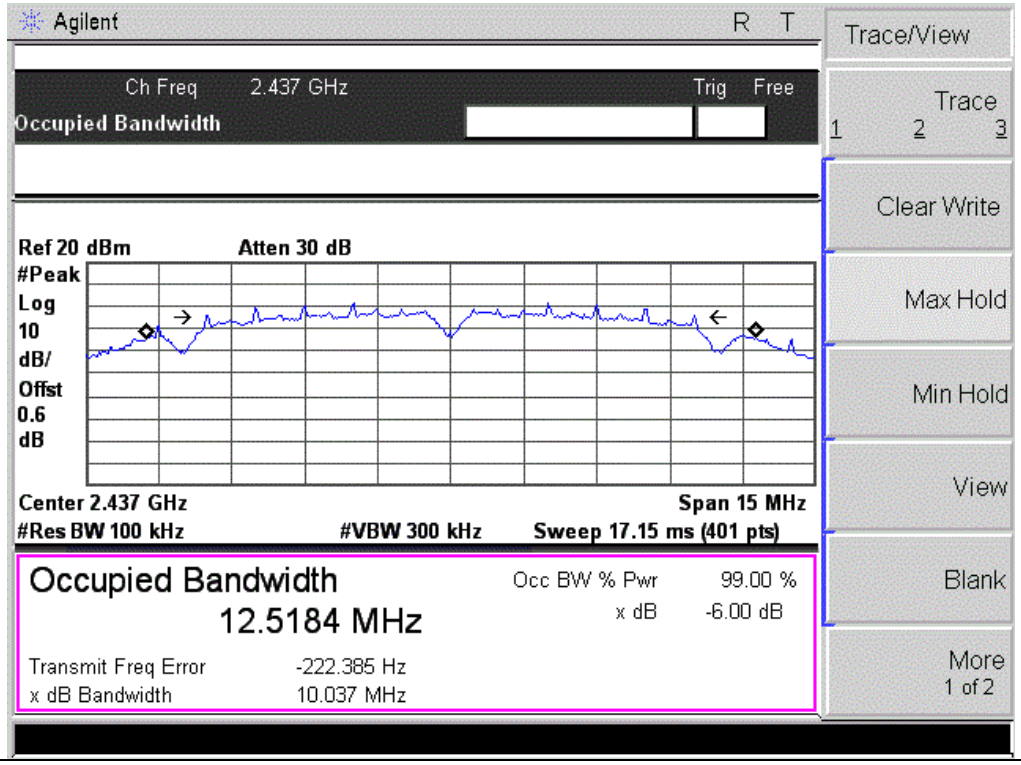
EUT：	smart mobile phone	Model Name ：	K968
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	TX b Mode /CH01, CH06, CH11		

Frequency	6dB Bandwidth (MHz)	Channel Separation (MHz)	Result
2412 MHz	10.038	>=500KHz	**PASS**
2437 MHz	10.037	>=500KHz	**PASS**
2462 MHz	10.055	>=500KHz	**PASS**

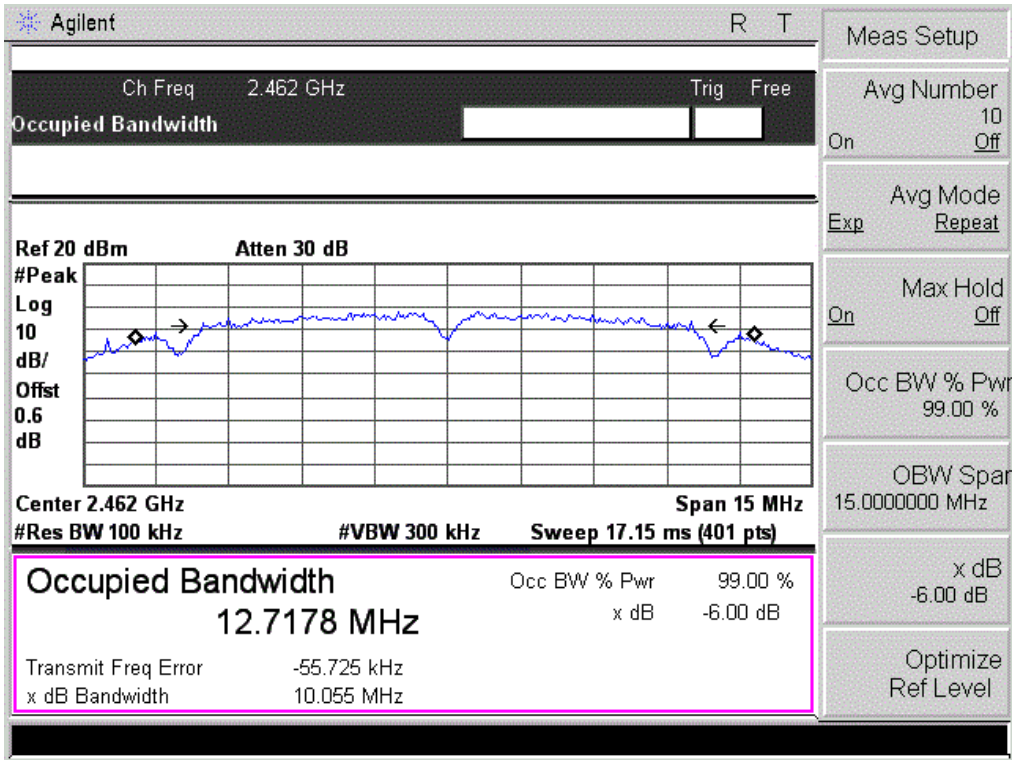
TX CH 01



TX CH 06



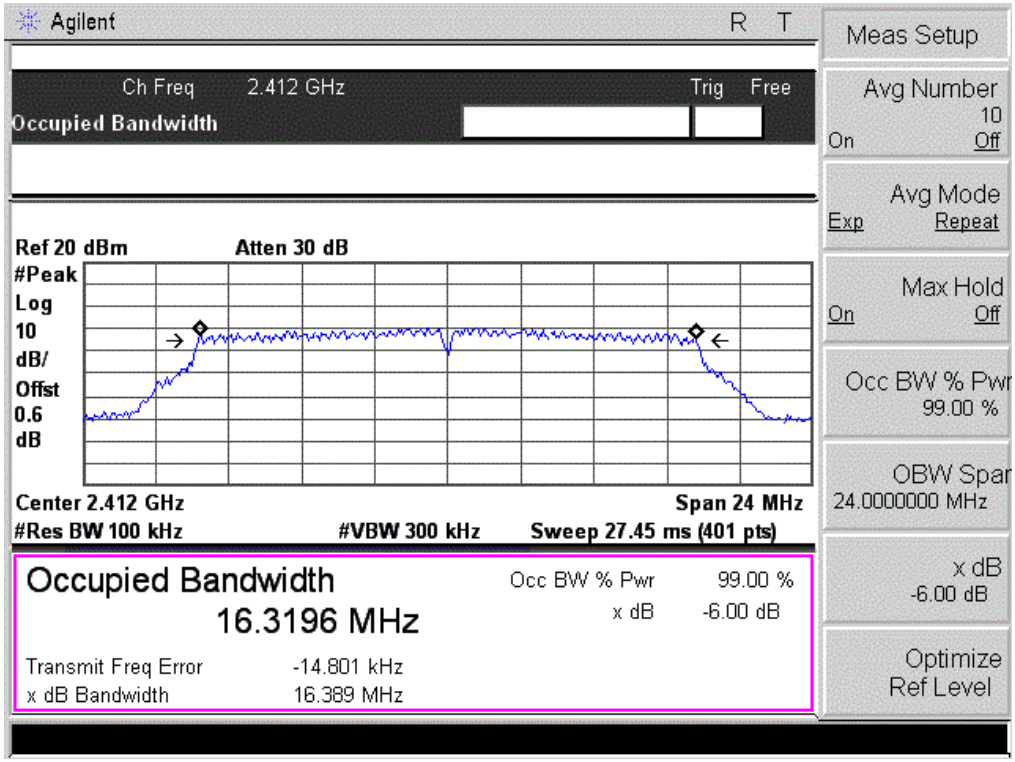
TX CH 11



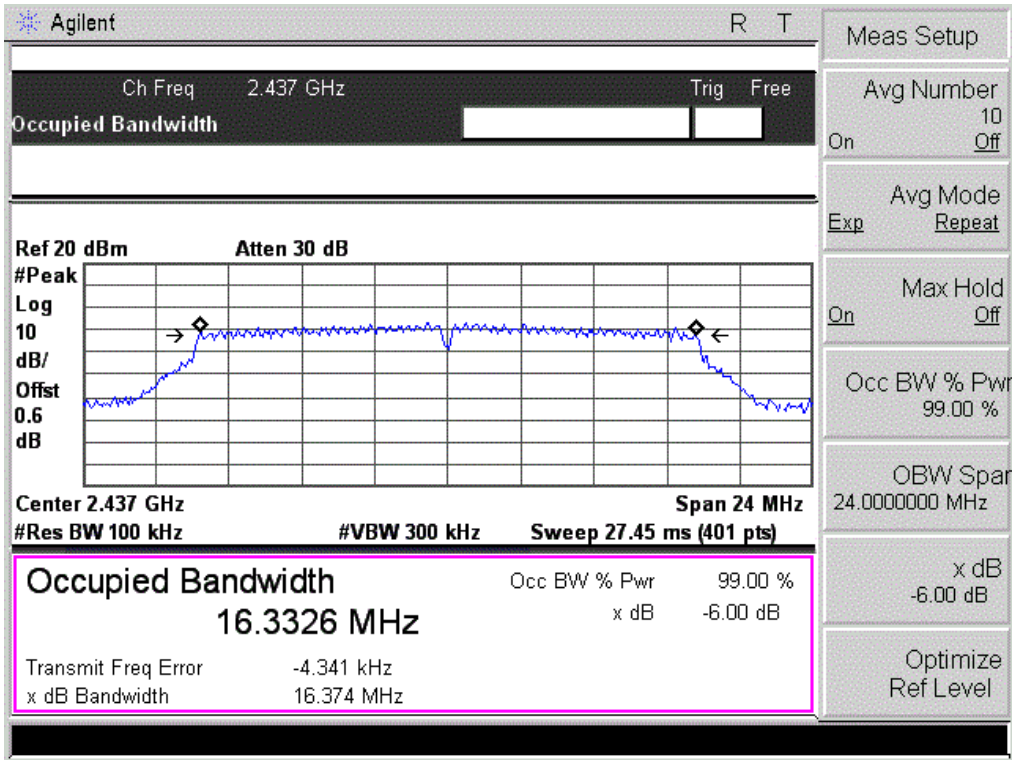
EUT：	smart mobile phone	Model Name ：	K968
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	TX g Mode /CH01, CH06, CH11		

Frequency	6dB Bandwidth (MHz)	Channel Separation (MHz)	Result
2412 MHz	16.389	>=500KHz	**PASS**
2437 MHz	16.374	>=500KHz	**PASS**
2462 MHz	16.380	>=500KHz	**PASS**

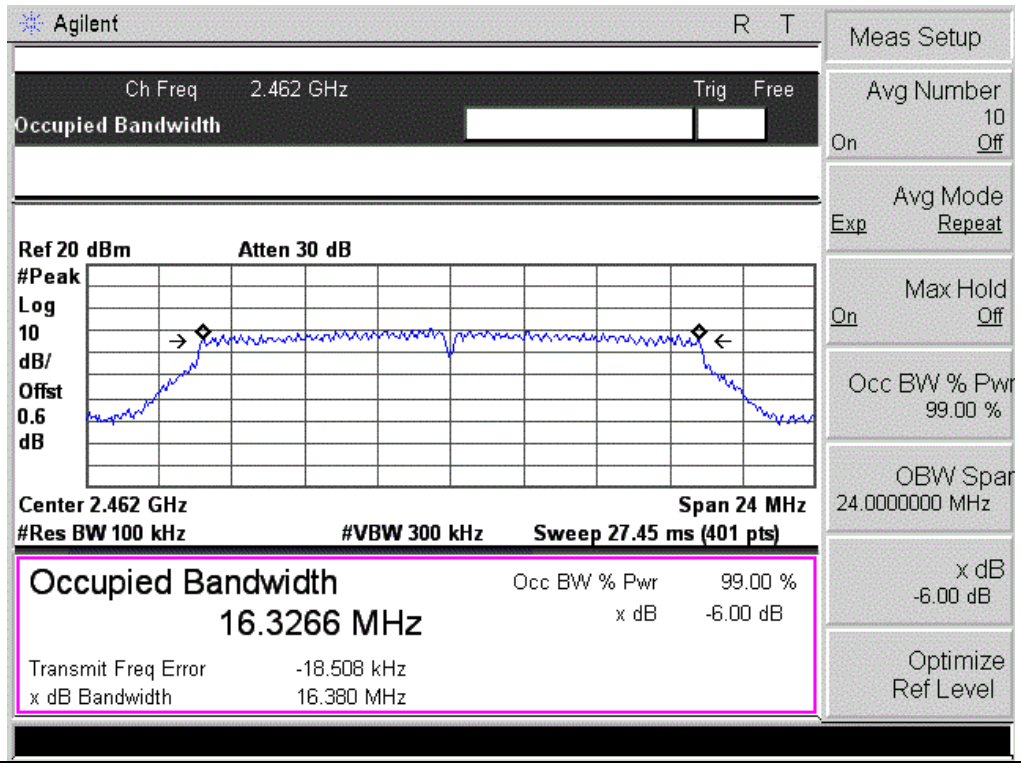
TX CH 01



TX CH 06



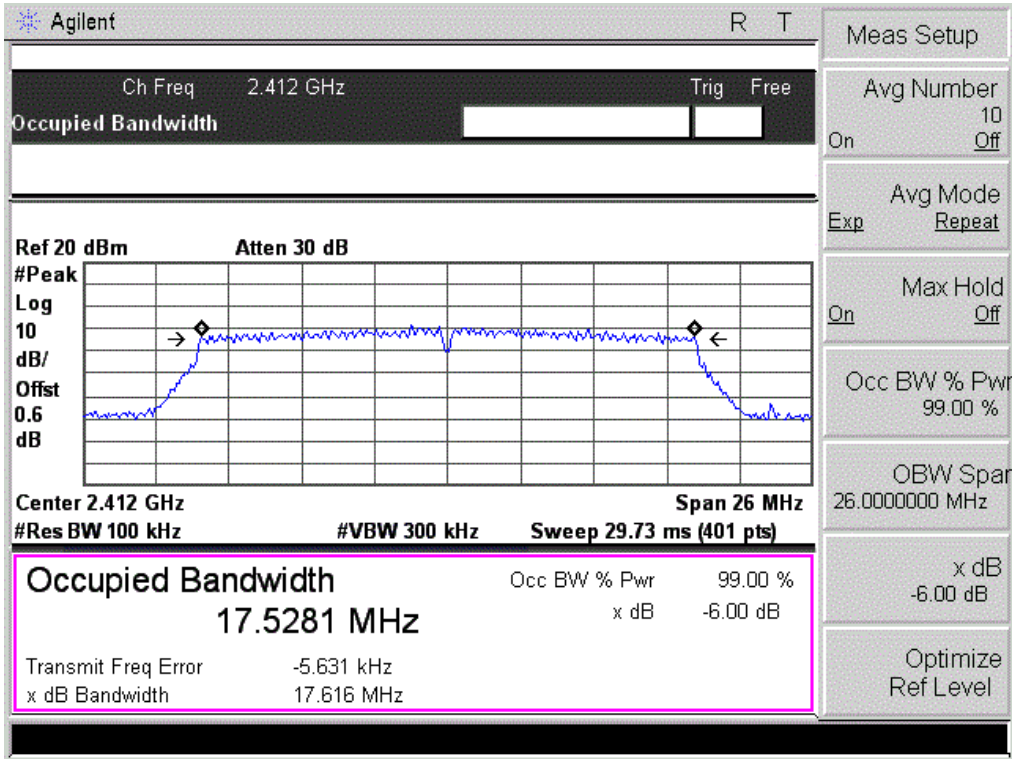
TX CH 11



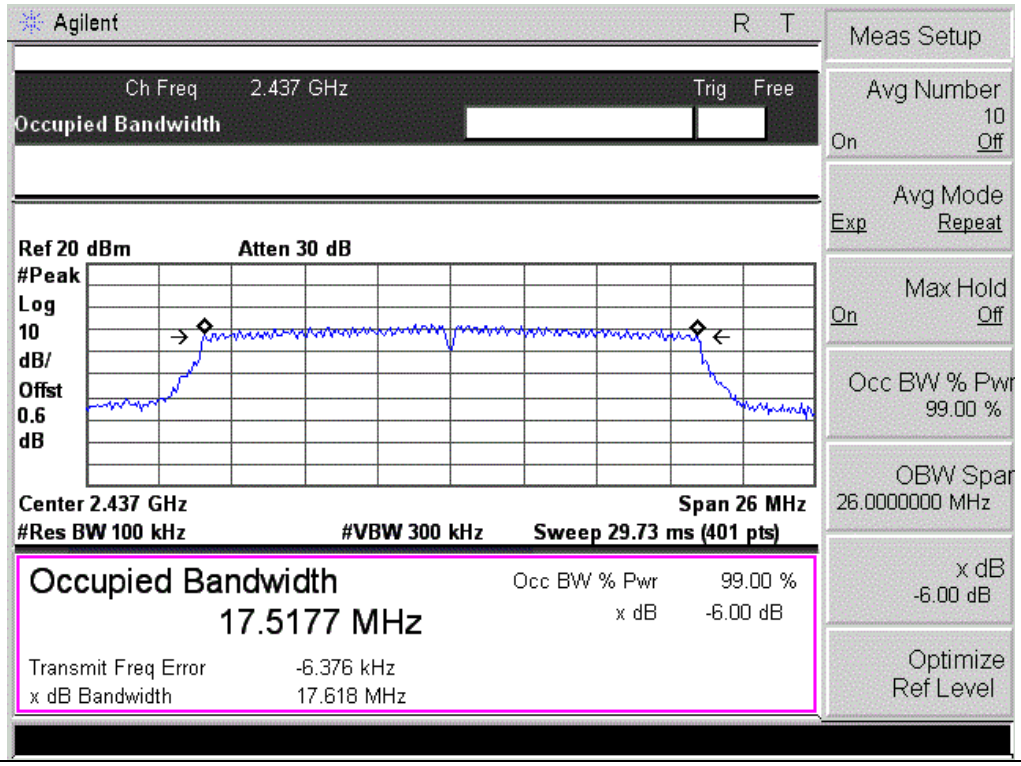
EUT：	smart mobile phone	Model Name ：	K968
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	TX n Mode(20M) /CH01, CH06, CH11		

Frequency	6dB Bandwidth (MHz)	Channel Separation (MHz)	Result
2412 MHz	17.616	>=500KHz	**PASS**
2437 MHz	17.618	>=500KHz	**PASS**
2462 MHz	17.595	>=500KHz	**PASS**

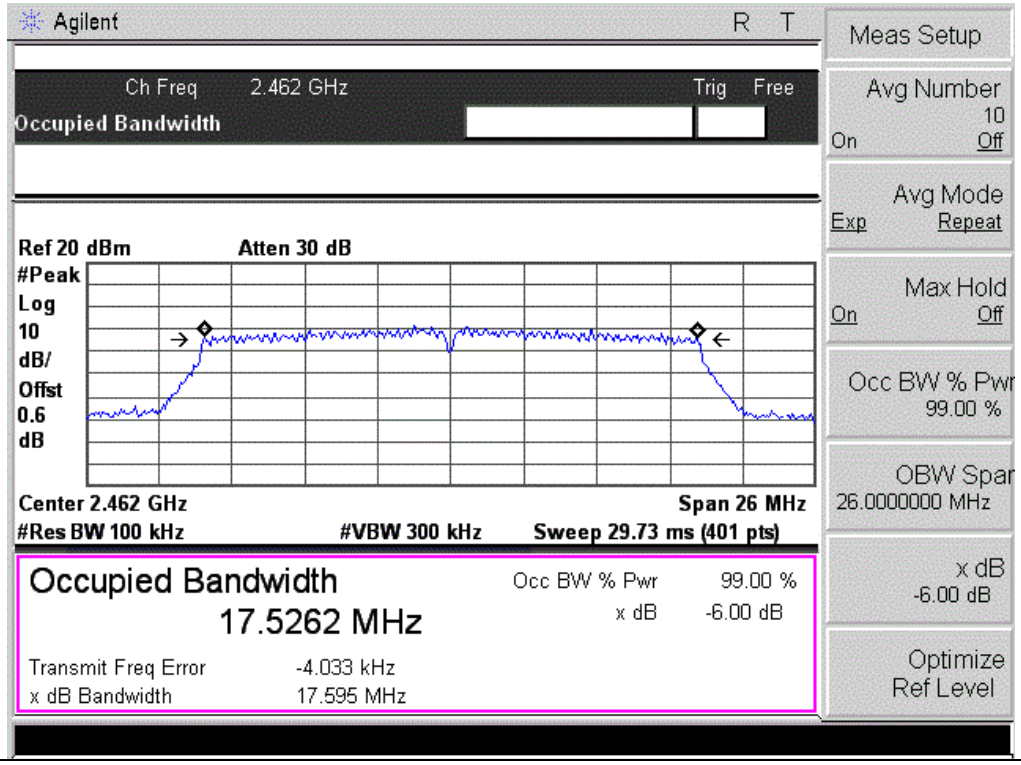
TX CH 01



TX CH 06



TX CH 11

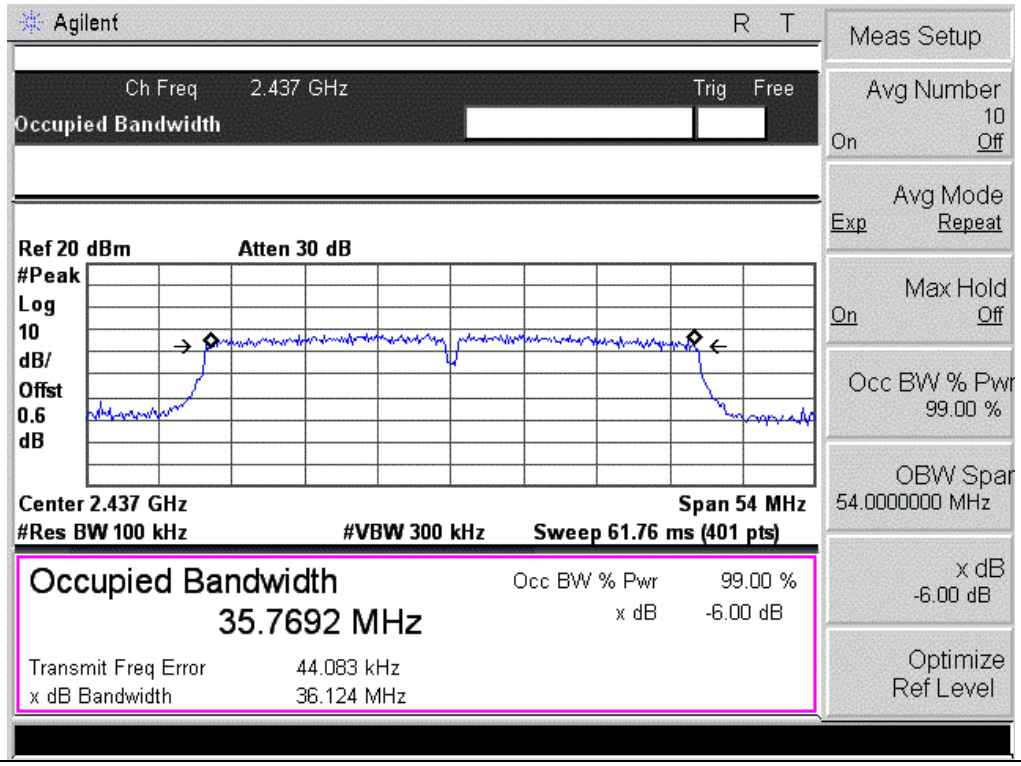


EUT：	smart mobile phone	Model Name ：	K968
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	TX n Mode(40M) /CH03, CH06, CH09		

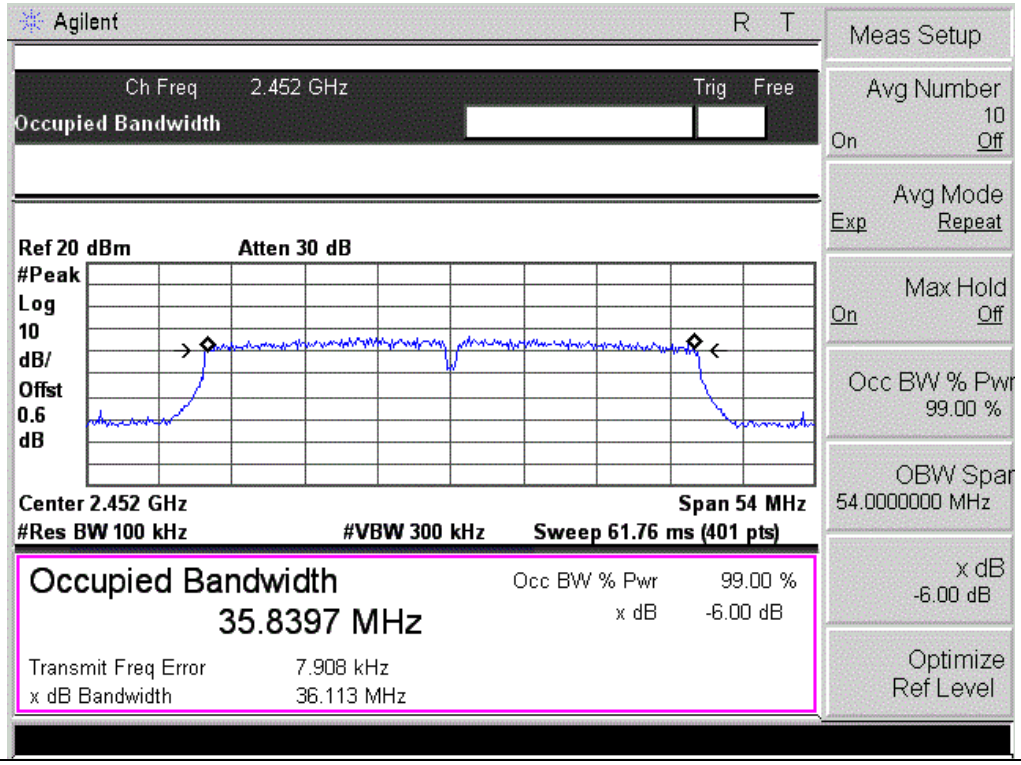
Frequency	6dB Bandwidth (MHz)	Channel Separation (MHz)	Result
2422 MHz	36.406	>=500KHz	**PASS**
2437 MHz	36.124	>=500KHz	**PASS**
2452 MHz	36.113	>=500KHz	**PASS**

TX CH 03

TX CH 06



TX CH 09



7. PEAK OUTPUT POWER TEST

7.1 APPLIED PROCEDURES / LIMIT

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

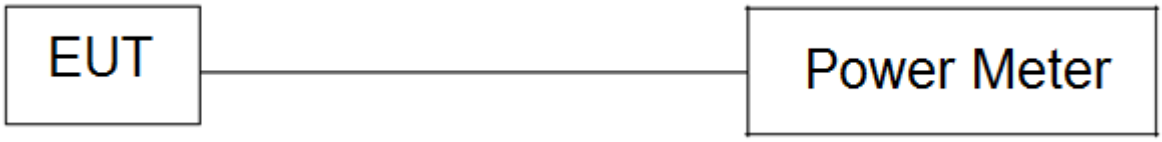
7.1.1 TEST PROCEDURE

a. The EUT was directly connected to the Power Sensor&Power meter

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 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.

7.1.5 TEST RESULTS

EUT：	smart mobile phone	Model Name ：	K968
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 5V from Adapter with AC 120V/60Hz
Test Mode ：	TX b/g/n(20M,40M) Mode /CH01, CH06, CH11		

TX 802.11b Mode			
Test Channe	Frequency (MHz)	Peak Conducted Output Power (dBm)	LIMIT dBm
CH01	2412	11.61	30
CH06	2437	11.44	30
CH11	2462	11.88	30

TX 802.11g Mode			
Test Channe	Frequency (MHz)	Peak Conducted Output Power (dBm)	LIMIT dBm
CH01	2412	9.808	30
CH06	2437	10.41	30
CH11	2462	10.10	30

TX 802.11n20 Mode			
Test Channe	Frequency (MHz)	Peak Conducted Output Power (dBm)	LIMIT dBm
CH01	2412	8.869	30
CH06	2437	9.284	30
CH11	2462	9.397	30

TX 802.11n40 Mode			
Test Channe	Frequency (MHz)	Peak Conducted Output Power (dBm)	LIMIT dBm
CH03	2422	6.71	30
CH06	2437	6.92	30
CH09	2452	7.28	30

8. ANTENNA REQUIREMENT

8.1 STANDARD REQUIREMENT

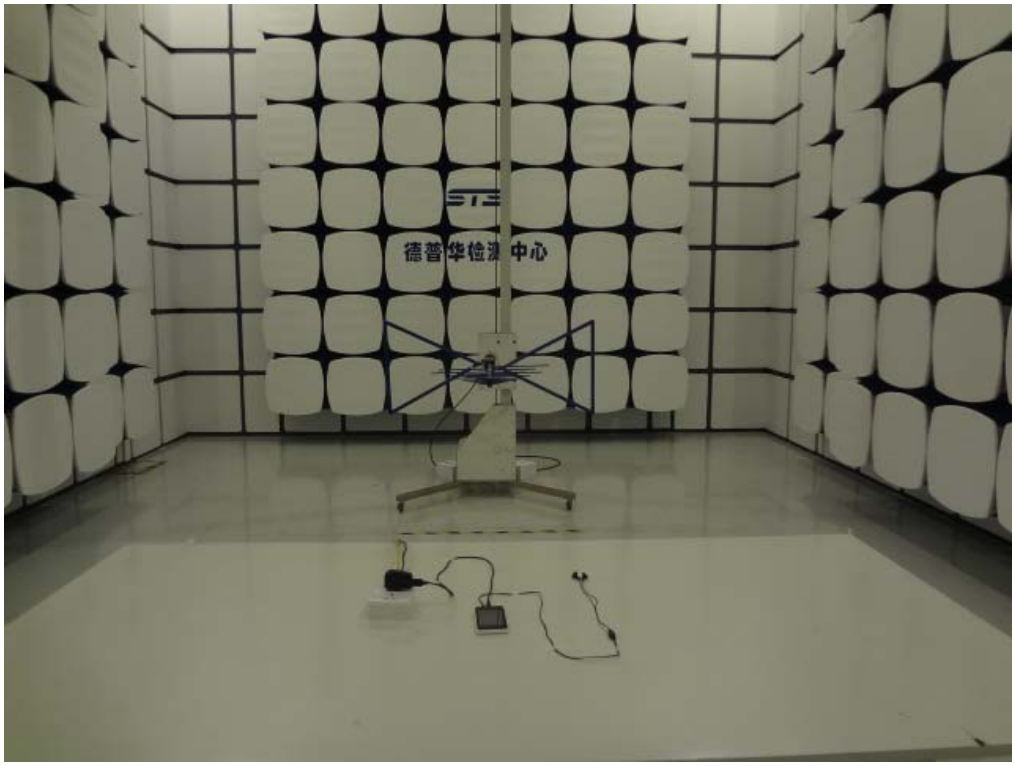
15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

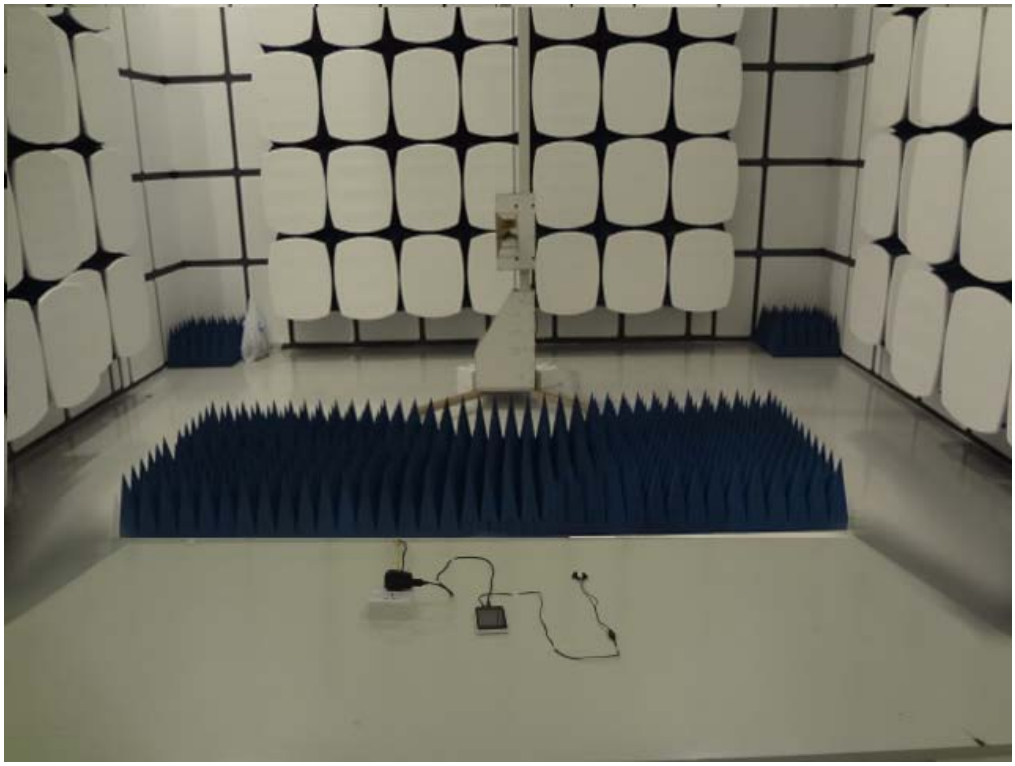
8.2 EUT ANTENNA

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

EUT TEST PHOTO

Radiated Measurement Photos





Conducted Measurement Photos