Prüfbericht-Nr.: *Test Report No.:*	**50074759 001**	**Auftrags-Nr.:** *Order No.:*	164057921	Seite 1 von 102 *Page 1 of 102*
Kunden-Referenz-Nr.: *Client Reference No.:*	N/A	**Auftragsdatum:** *Order date:*	14.03.2016	
Auftraggeber: *Client:*	Yealink (Xiamen) Network Technology Co., Ltd., 309, 3th Floor, No. 16, Yun Ding North Road, Huli District, Xiamen City, Fujian, P.R. China			
Prüfgegenstand: *Test item:*	Smart Media Phone			
Bezeichnung / Typ-Nr.: *Identification / Type No.:*	SIP-T56A, SIP-T58A, SIP-T58V (Yealink)			
Auftrags-Inhalt: *Order content:*	FCC/IC Certification			
Prüfgrundlage: *Test specification:*	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 RSS-247 Issue 1 May 2015 RSS-Gen Issue 4 November 2014			
Wareneingangsdatum: *Date of receipt:*	10.01.2017			
Prüfmuster-Nr.: *Test sample No.:*	A000480416-001 ~ 015			
Prüfzeitraum: *Testing period:*	18.01.2017 - 24.02.2017			
Ort der Prüfung: *Place of testing:*	BTL Inc.			
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: *Test result*:*	Pass			

geprüft von / *tested by:*			**kontrolliert von** / *reviewed by:*		
31.03.2017	Andy Yan/Project Manager		31.03.2017	Owen Tian/Technical Certifier	
Datum *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*	**Datum** *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*

Sonstiges / *Other:* FCC ID: T2C-T56A, T2C-T58A, T2C-T58V
IC: 10741A-T56A, 10741A-T58A, 10741A-T58V

Zustand des Prüfgegenstandes bei Anlieferung: Prüfmuster vollständig und unbeschädigt
Condition of the test item at delivery: *Test item complete and undamaged*

* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhaft
	P(ass) = entspricht o.g. Prüfgrundlage(n)		F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
Legend:	*1 = very good*	*2 = good*	*3 = satisfactory*	*4 = sufficient*	*5 = poor*
	P(ass) = passed a.m. test specification(s)		*F(ail) = failed a.m. test specification(s)*	*N/A = not applicable*	*N/T = not tested*

Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.
This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.
V04

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT
RESULT: Pass

5.1.2 PEAK OUTPUT POWER
RESULT: Pass

5.1.3 20DB BANDWIDTH AND 99% BANDWIDTH
RESULT: Pass

5.1.4 6DB BANDWIDTH AND 99% BANDWIDTH
RESULT: Pass

5.1.5 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100KHZ BANDWIDTH
RESULT: Pass

5.1.6 POWER SPECTRAL DENSITY
RESULT: Pass

5.1.7 SPURIOUS EMISSION
RESULT: Pass

5.1.8 FREQUENCY SEPARATION
RESULT: Pass

5.1.9 NUMBER OF HOPPING FREQUENCY
RESULT: Pass

5.1.10 TIME OF OCCUPANCY
RESULT: Pass

5.1.11 CONDUCTED EMISSIONS
RESULT: Pass

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1. General Remarks

1.1 Complementary Materials

None.

2. Test Sites

2.1 Test Facilities

BTL Inc.

(FCC Registration No.: 319330)
(Test site Industry Canada No.: 4428B)

Building C, No.3, Jinshagang 1st Road, Shixia, Dalang
Dongguan, Guangdong, China

The tests at the test site have been conducted under the supervision of a TÜV engineer.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Peak Output Power				
P-series Power meter	Agilent	N1911A	MY45100473	2017-10-25
Wireband Power sensor	Agilent	N1921A	MY51100041	2017-10-25
Power Spectral Density				
Spectrum Analyzer	R&S	FSP 40	100185	2017-10-10
Occupied Channel Bandwidth, Frequency Separation & Hopping frequency				
Spectrum Analyzer	R&S	FSP 40	100185	2017-10-10
Conducted Spurious Emission				
Spectrum Analyzer	R&S	FSP 40	100185	2017-10-10
Transmitter Spurious Emission (Radiated Measurement)				
Antenna	Schwarbeck	VULB9160	9160-3232	2017-03-27
Amplifier	HP	8447D	2944A09673	2016-11-08
Receiver	AGILENT	N9038A	MY52130039	2016-10-10
Test Cable	emci	LMR-400(30MHz-1GHz)	C-01	2017-06-25
Control	CT	SC100	N/A	N/A
Position Control	MF	MF-7802	MF780208416	N/A
Antenna	ETS	3115	00075789	2017-03-27
Amplifier	Agilent	8449B	3008A02274	2016-11-01
Receiver	AGILENT	N9038A	MY52130039	2016-10-10
Test Cable	emci	EMC104-SM-SM-10000(1GHz－26.5GHz)	C-68	2017-06-25
Controller	CT	SC100	N/A	N/A
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	2017-04-22
Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	2017-03-27
Active Loop Antenna	R&S	HFH2-Z2	830749/020	2017-09-05
Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
Conducted Emission				
EMI Test Receiver	R&S	ESCI	100382	2017-03-27
LISN	EMCO	3816/2	52765	2017-03-27
LISN	R&S	ENV216	101447	2017-03-27
50Ω Terminator	SHX	TF2-3G-A	8122901	2017-03-27
Two-Line V-Network	R&S	ENV216	101447	2017-03-27
Cable	emci	RG223(9KHz-30MHz)(5m)	N/A	2017-03-10
Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
RF Current Probe	FCC	F-33-4	78	2017-03-27
Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basics using in house standards or comparisons.

2.5 Measurement Uncertainty

Table 2: Measurement Uncertainty

Parameter	Uncertainty
Radio Frequency	±1x10^-5
Maximum Peak Output Power Test	±1.0dB
Conducted Emissions Test	±2.0dB
Radiated Emission Test	±2.0dB
Power Density	±2.0dB
Occupied Bandwidth Test	±1.0dB
Band Edge Test	±3dB
All emission, radiated	±3dB
Antenna Port Emission	±3dB
Temperature	±0.5℃
Humidity	±3%

2.6 Location of Original Data

The original copies of all test data taken during actual testing were retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

BTL Inc. test facility located at Building C, No.3, Jinshagang 1st Road, Shixia, Dalang, Dongguan, Guangdong, China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3. General Product Information

3.1 Product Function and Intended Use

The EUTs are smart media phone with Wi-Fi & Bluetooth function, they operate at 2.4GHz ISM frequency band.
The models have the same Bluetooth / Wi-Fi module & circuit, the difference is only that model SIP-T58V with camera, the model SIP-T58A without camera, and model SIP-T56A without camera & USB connector.
For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of Bluetooth (Low Energy mode)

Technical Specification	Value
Kind of Equipment	Smart Media Phone
Type Designation	SIP-T56A, SIP-T58A, SIP-T58V
Operating Frequency band	2400 – 2483.5MHz
Operating Frequency	2402 – 2480MHz
Channel separation	2MHz
Extreme Temperature Range	-30~+85℃
Operation Voltage	DC 5V (via marketed AC/DC adapter)
	DC 48V (via POE)
Modulation	GFSK
Bluetooth version	4.0, Dual Mode
Antenna Gain	1dBi

Table 4: RF channel and frequency of Bluetooth (Low Energy mode)

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402.00	11	2424.00	22	2446.00	33	2468.00
1	2404.00	12	2426.00	23	2448.00	34	2470.00
2	2406.00	13	2428.00	24	2450.00	35	2472.00
3	2408.00	14	2430.00	25	2452.00	36	2474.00
4	2410.00	15	2432.00	26	2454.00	37	2476.00
5	2412.00	16	2434.00	27	2456.00	38	2478.00
6	2414.00	17	2436.00	28	2458.00	39	2480.00
7	2416.00	18	2438.00	29	2460.00		
8	2418.00	19	2440.00	30	2462.00		
9	2420.00	20	2442.00	31	2464.00		
10	2422.00	21	2444.00	32	2466.00		

Table 5: Technical Specification of Bluetooth (BDR & EDR mode)

Technical Specification	Value
Kind of Equipment	Smart Media Phone
Type Designation	SIP-T56A, SIP-T58A, SIP-T58V
Operating Frequency band	2402 – 2480MHz
Channel separation	1MHz
Extreme Temperature Range	-30~+85℃
Operation Voltage	DC 5V (via marketed AC/DC adapter)
	DC 48V (via POE)
Modulation	FHSS (GFSK, 8DPSK, π/4DQPSK)
Bluetooth version	4.0, Dual Mode
Antenna Gain	1dBi

Table 6: RF channel and frequency of Bluetooth (BDR & EDR mode)

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402.00	21	2423.00	42	2444.00	63	2465.00
1	2403.00	22	2424.00	43	2445.00	64	2466.00
2	2404.00	23	2425.00	44	2446.00	65	2467.00
3	2405.00	24	2426.00	45	2447.00	66	2468.00
4	2406.00	25	2427.00	46	2448.00	67	2469.00
5	2407.00	26	2428.00	47	2449.00	68	2470.00
6	2408.00	27	2429.00	48	2450.00	69	2471.00
7	2409.00	28	2430.00	49	2451.00	70	2472.00
8	2410.00	29	2431.00	50	2452.00	71	2473.00
9	2411.00	30	2432.00	51	2453.00	72	2474.00
10	2412.00	31	2433.00	52	2454.00	73	2475.00
11	2413.00	32	2434.00	53	2455.00	74	2476.00
12	2414.00	33	2435.00	54	2456.00	75	2477.00
13	2415.00	34	2436.00	55	2457.00	76	2478.00
14	2416.00	35	2437.00	56	2458.00	77	2479.00
15	2417.00	36	2438.00	57	2459.00	78	2480.00
16	2418.00	37	2439.00	58	2460.00		
17	2419.00	38	2440.00	59	2461.00		
18	2420.00	39	2441.00	60	2462.00		
19	2421.00	40	2442.00	61	2463.00		
20	2422.00	41	2443.00	62	2464.00		

3.3 Independent Operation Modes

The basic operation modes are:

A. On
   1. Bluetooth mode (BDR & EDR mode)
      a. Tansmitting
         i. Low Channel
         ii. Middle Channel
         iii. High Channel
      b. Receiving
   2. Bluetooth mode (Low Energy mode)
      a. Tansmitting
         i. Low Channel
         ii. Middle Channel
         iii. High Channel
      b. Receiving
B. Standby
C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Bill of Material
- Circuit Diagram
- PCB Layout
- Instruction Manual
- Photo Document
- Rating Label

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.10: 2013.

4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

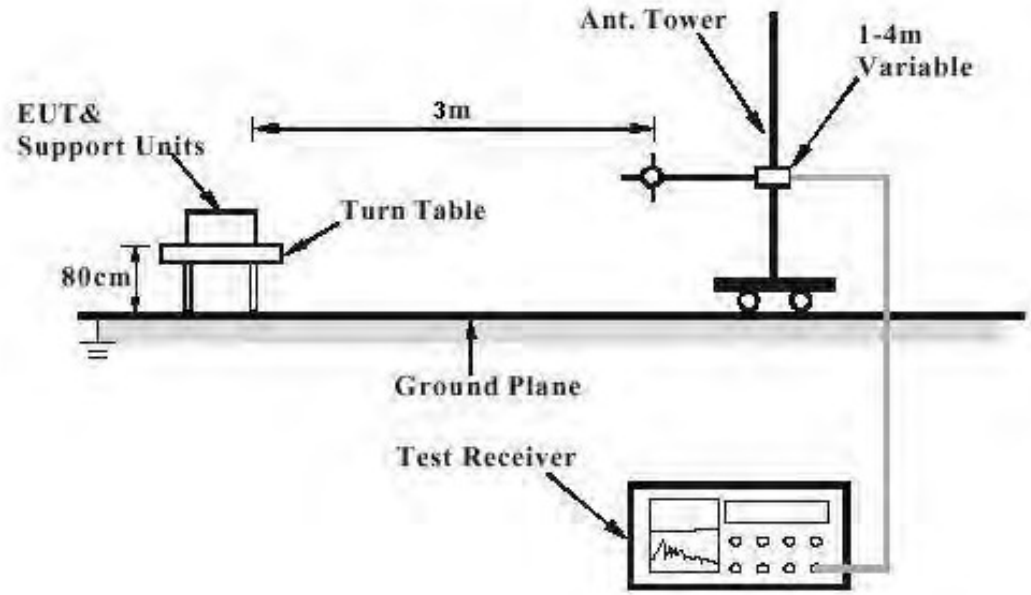
Description	Manufacturer	Part No.	Rating
Power adapter	Dongguan Oriental Hero Electrical Factory	YLPS052000B-EU	Input: AC 100-240, 50/60Hz, 0.35A; Output: DC 5V, 2A

4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test



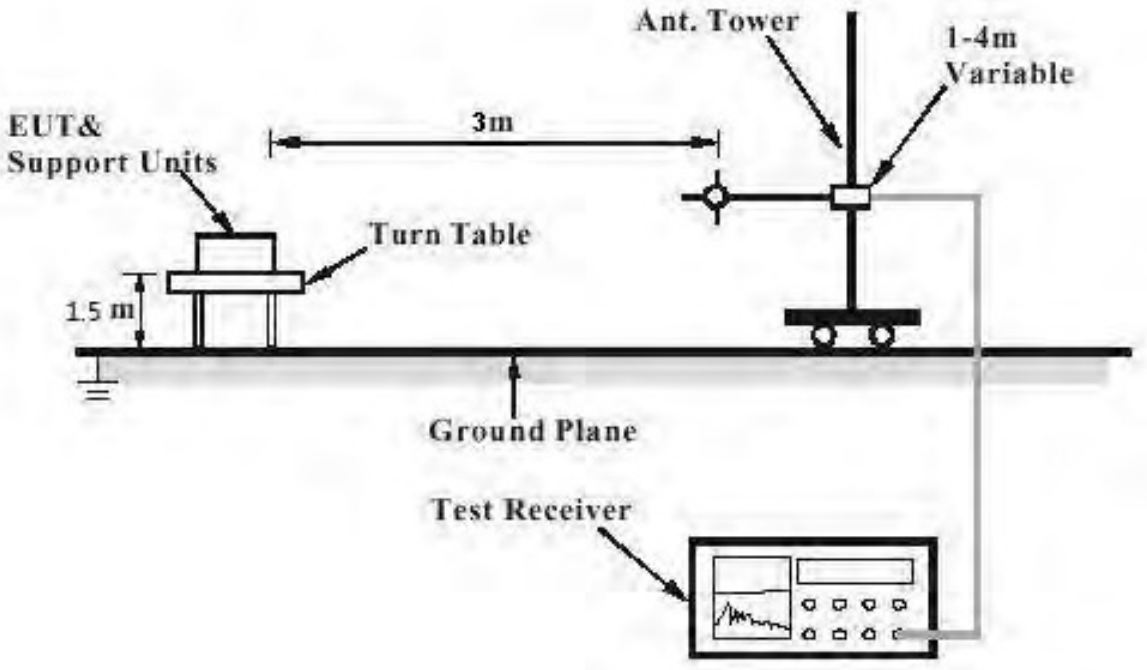


Diagram of Measurement Equipment Configuration for Conduction Measurement

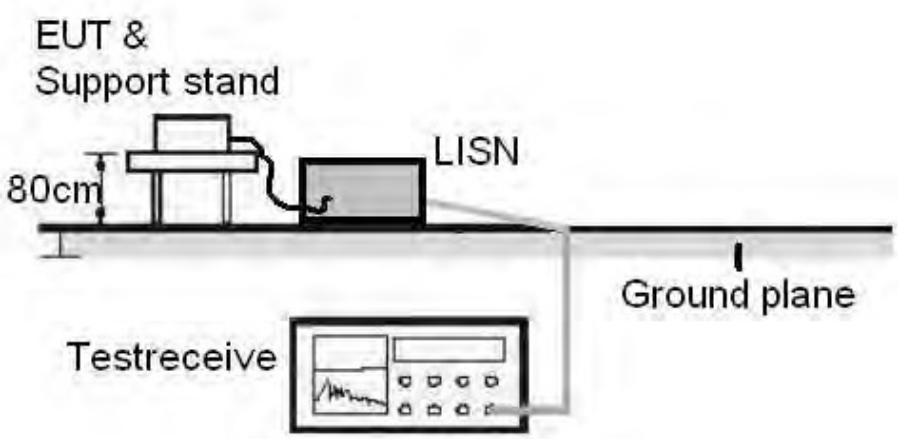
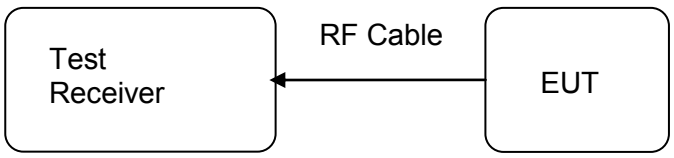


Diagram of Measurement Equipment Configuration for Transmitter Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT: **Pass**

Test standard	:	Part 15.203 RSS-Gen Clause 8.3
Limit		The use of antennas with directional gains that do not exceed 6dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 1dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

5.1.2 Peak Output Power

RESULT: **Pass**

Test date	:	2017-02-24
Test standard	:	FCC Part 15.247(b)(1) FCC Part 15.247(b)(3) RSS-247 clause 5.4(2) RSS-247 clause 5.4(4)
Basic standard	:	ANSI C63.10: 2013 Clause 9.1 of KDB 558074 v03r01
Limit	:	1W
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a, A.2.a
Ambient temperature	:	25℃
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

Table 7: Test result of Peak Output Power of Buletooth (BDR mode)

Channel	Channel Frequency (MHz)	Peak Output Power (dBm)	Limit (dBm)
Low Channel	2402	7.42	30
Middle Channel	2441	7.35	30
High Channel	2480	6.51	30

Table 8: Test result of Peak Output Power of Bluetooth (EDR mode)

Channel	Channel Frequency (MHz)	Peak Output Power (dBm)	Limit (dBm)
Low Channel	2402	6.56	30
Middle Channel	2441	5.64	30
High Channel	2480	4.03	30

Table 9: Test result of Peak Output Power of Bluetooth (Low Energy mode)

Channel	Channel Frequency (MHz)	Peak Output Power (dBm)	Limit (dBm)
Low Channel	2402	9.15	30
Middle Channel	2440	9.04	30
High Channel	2480	8.33	30

5.1.3 20dB Bandwidth and 99% Bandwidth

RESULT: **Pass**

Date of testing	:	2017-02-24
Test standard	:	FCC Part 15.247(a)(1) RSS-247 clause 5.1(2) RSS-Gen clause 6.6
Basic standard	:	ANSI C63.10: 2013 Clause 8 of KDB 558074 v03r01
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a
Ambient temperature	:	25℃
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

Table 10: Test result of 20dB and 99% Bandwidth of BDR mode

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2402	1.010	0.916
Mid Channel	2441	0.927	0.896
High Channel	2480	1.012	0.912

Table 11: Test result of 20dB and 99% Bandwidth of EDR mode

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2402	1.306	1.216
Mid Channel	2441	1.324	1.224
High Channel	2480	1.324	1.220

5.1.4 6dB Bandwidth and 99% Bandwidth

RESULT: **Pass**

Date of testing	:	2017-02-24
Test standard	:	FCC Part 15.247(a)(2) RSS-247 clause 5.2(1) RSS-Gen clause 6.6
Basic standard	:	ANSI C63.10: 2013 Clause 8 of KDB 558074 v03r01
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.2.a
Ambient temperature	:	25℃
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

Table 12: Test result of 6dB Bandwidth and 99% Bandwidth of Bluetooth, Low Energy mode

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	Limit of 6dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2402	0.70	≥0.5	1.08
Mid Channel	2440	0.70	≥0.5	1.08
High Channel	2480	0.68	≥0.5	1.08

5.1.5 Conducted Spurious Emissions measured in 100kHz Bandwidth

RESULT: **Pass**

Date of testing	:	2017-02-13
Test standard	:	FCC part 15.247(d) RSS-247 clause 5.5
Basic standard	:	ANSI C63.10: 2013
Limit	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power);
Kind of test site	:	Shield room

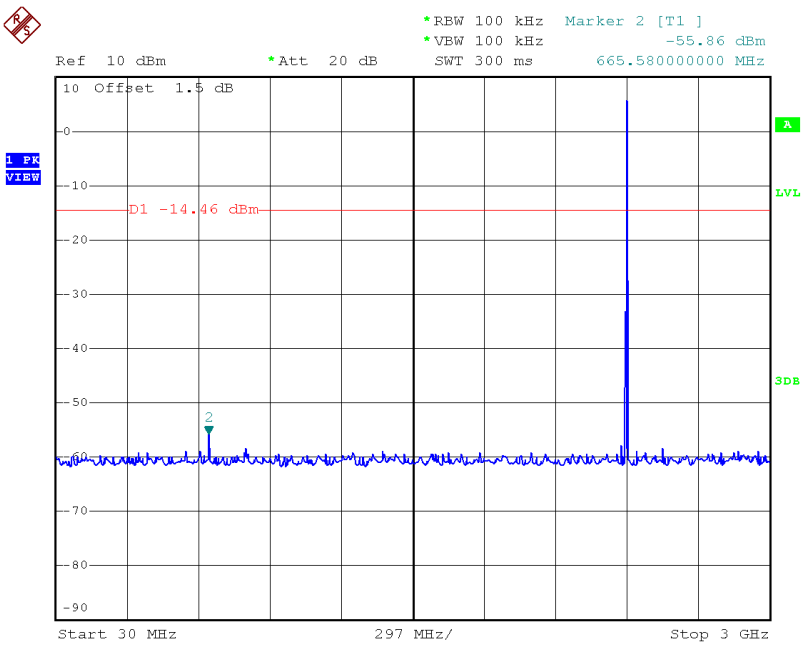
Test setup

Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1.a, A.2.a
Ambient temperature	:	25℃
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of BDR mode

Low Channel



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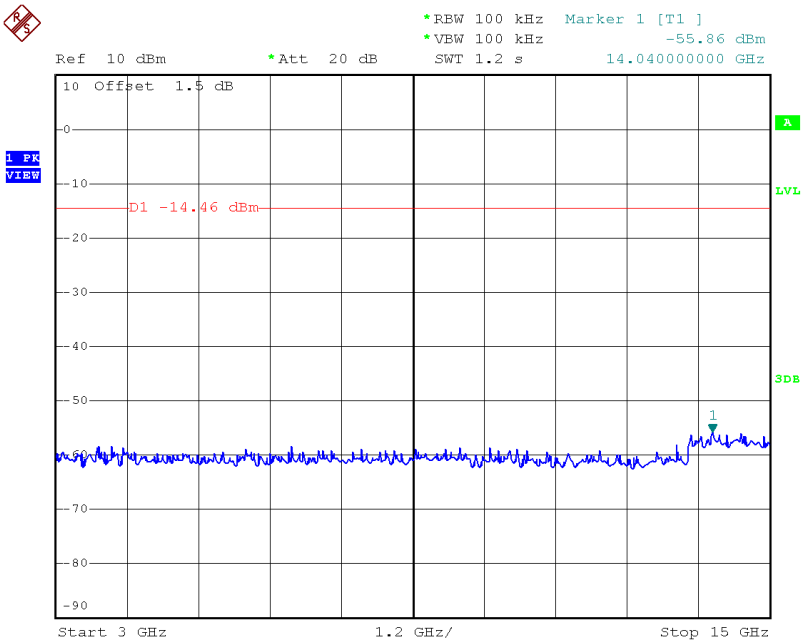

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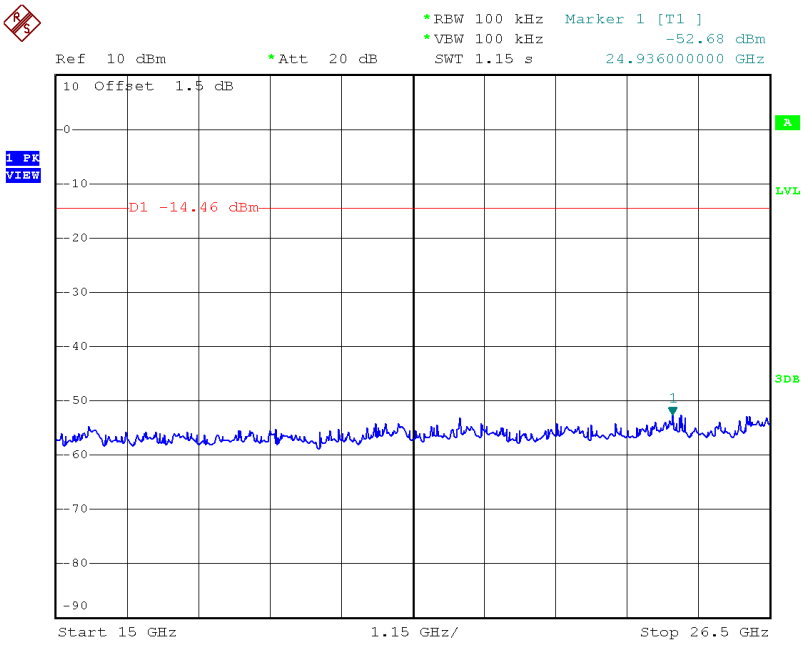

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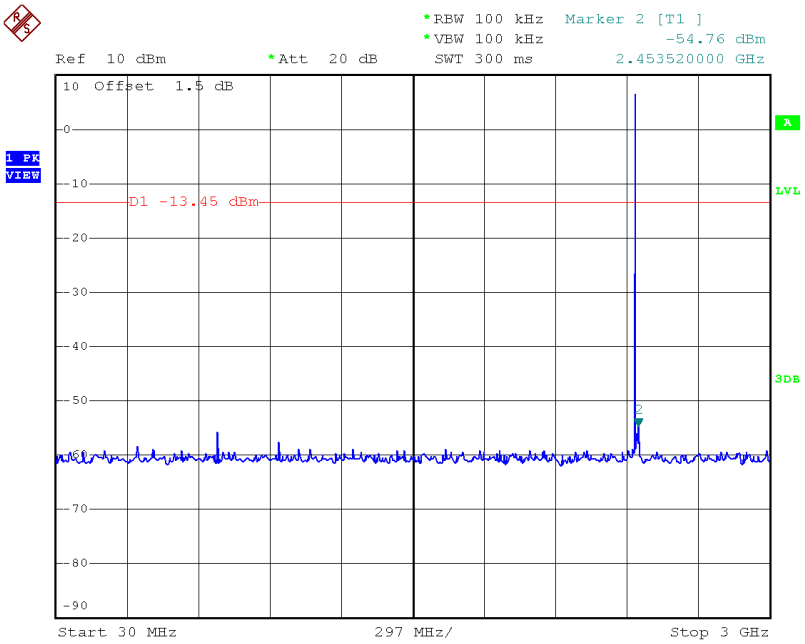
Middle Channel



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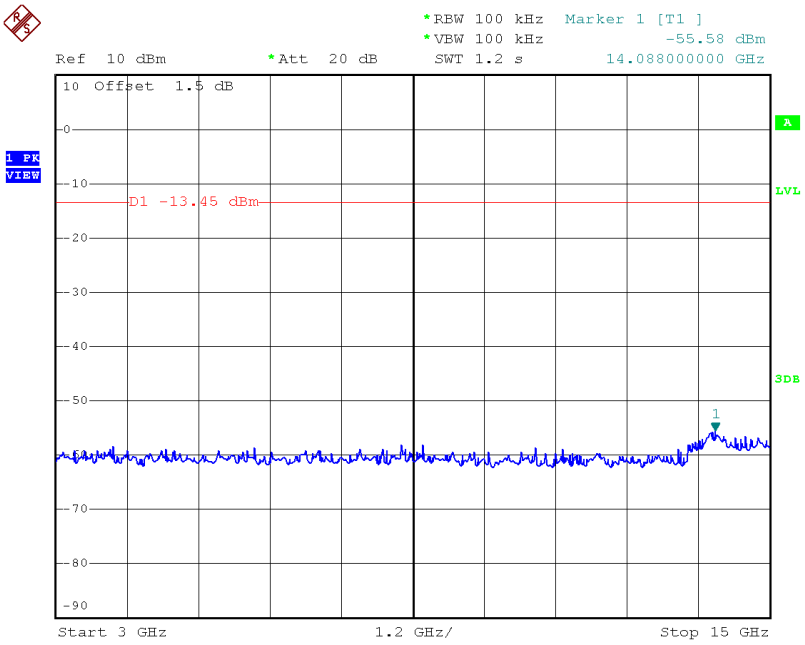

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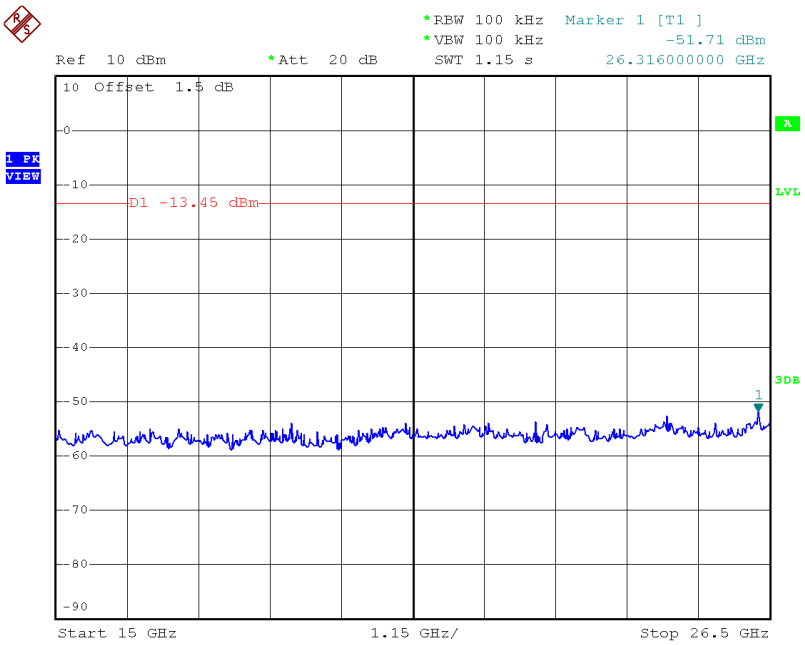

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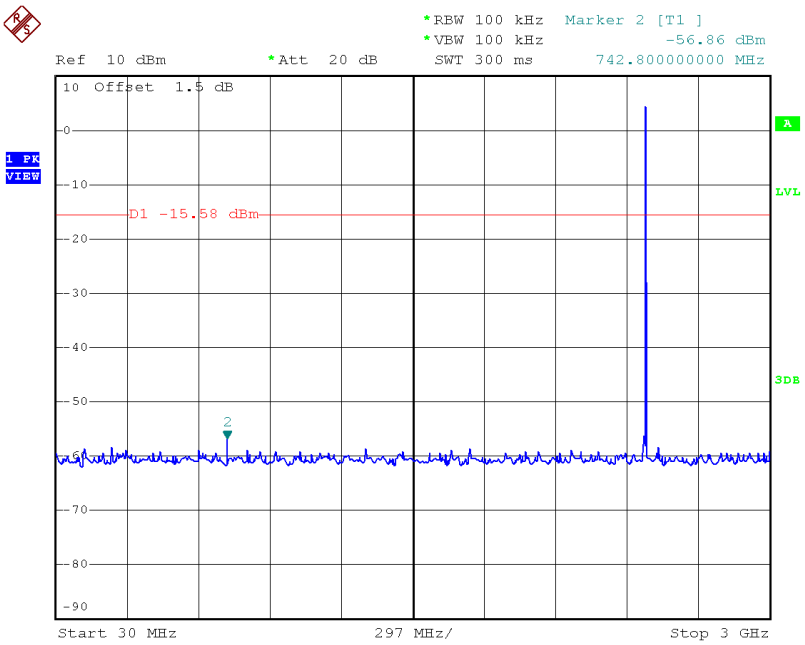
High Channel



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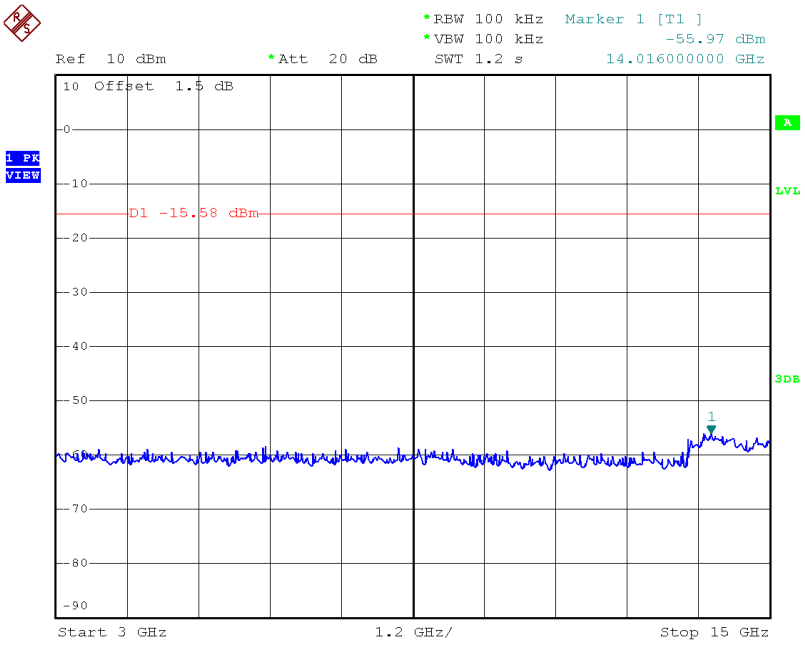
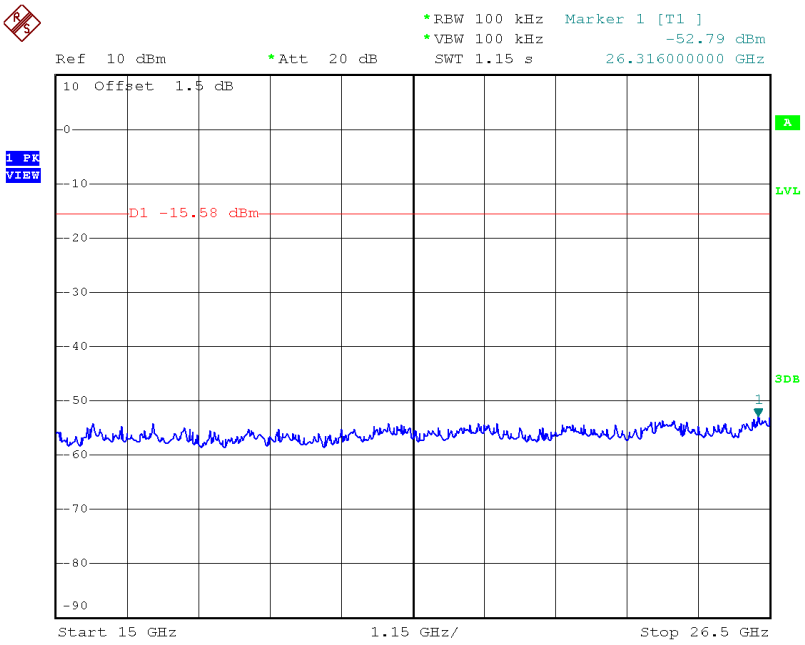
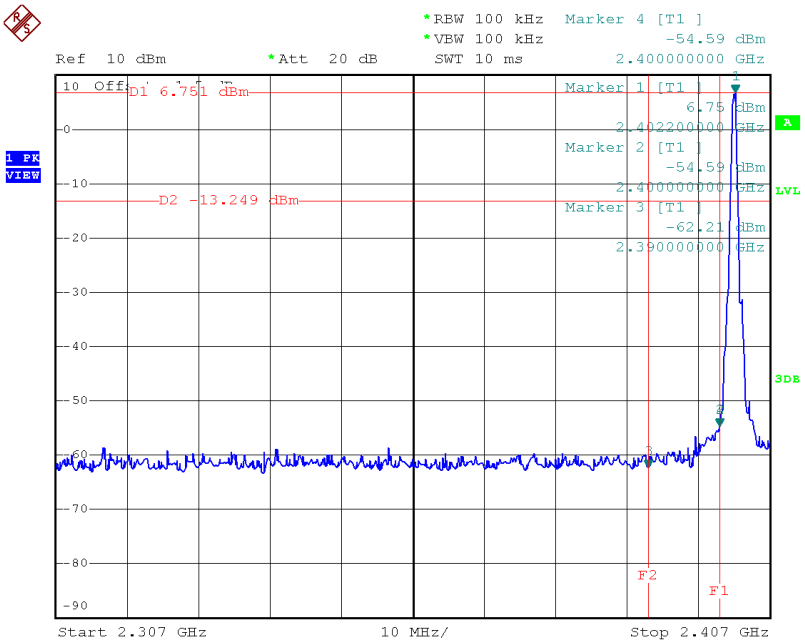


Date: 13.FEB.2017 18:37:32

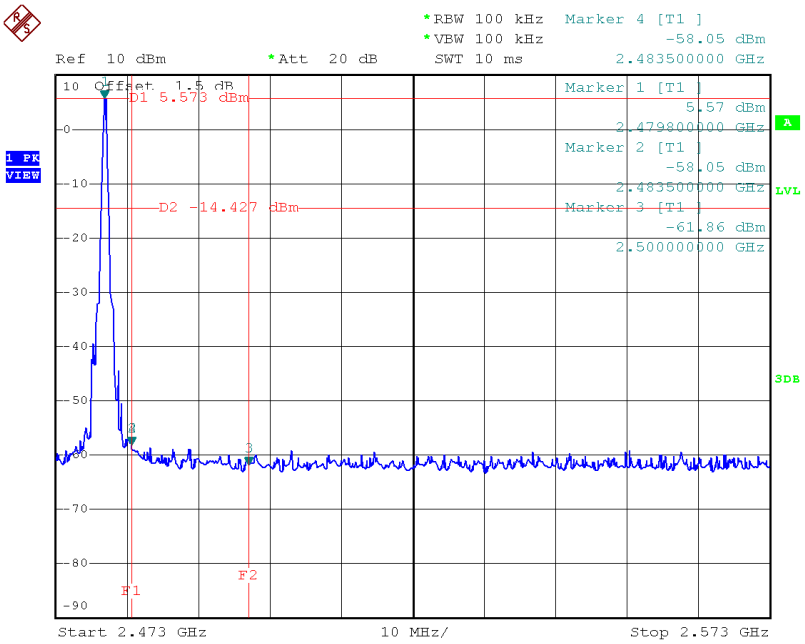


Date: 13.FEB.2017 18:37:40

Band Edge



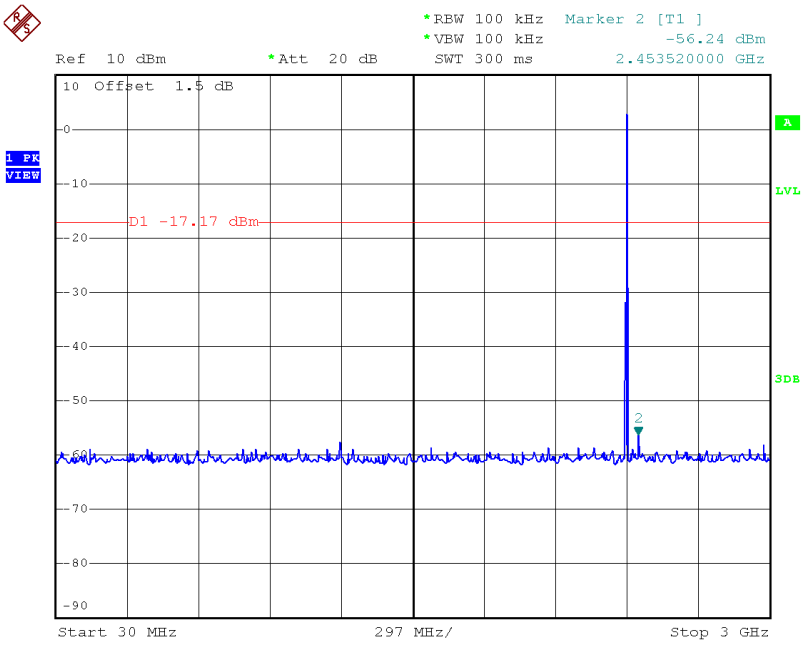
Date: 13.FEB.2017 18:32:31



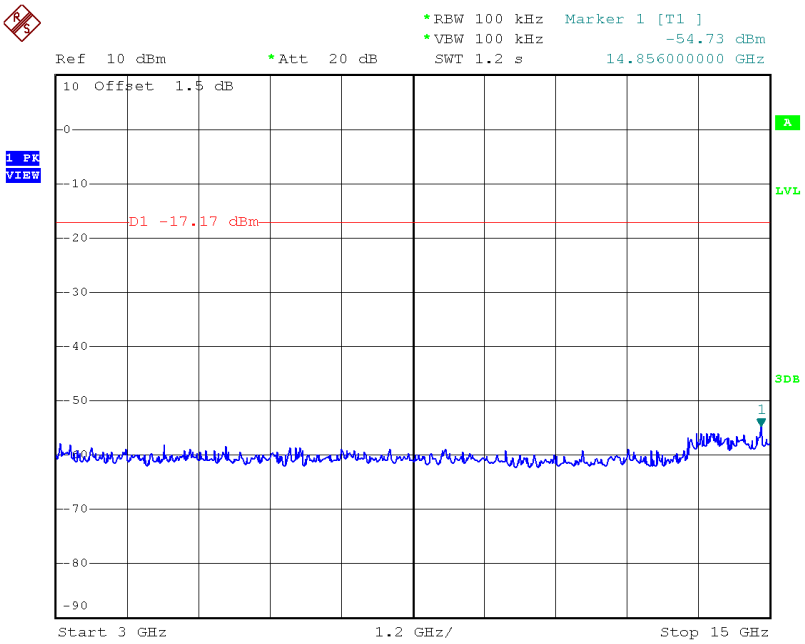
Date: 13.FEB.2017 18:36:45

Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of EDR mode

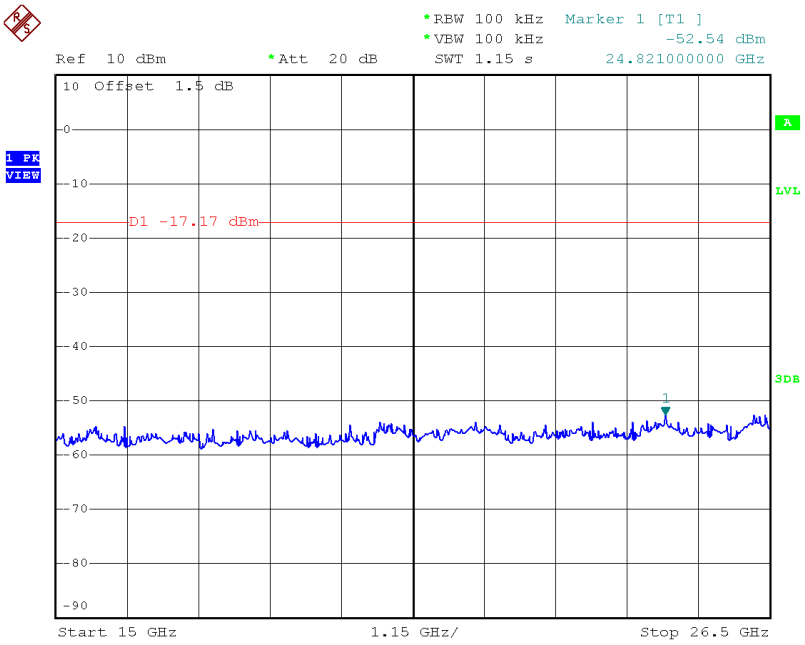
Low Channel



Date: 13.FEB.2017 19:19:23

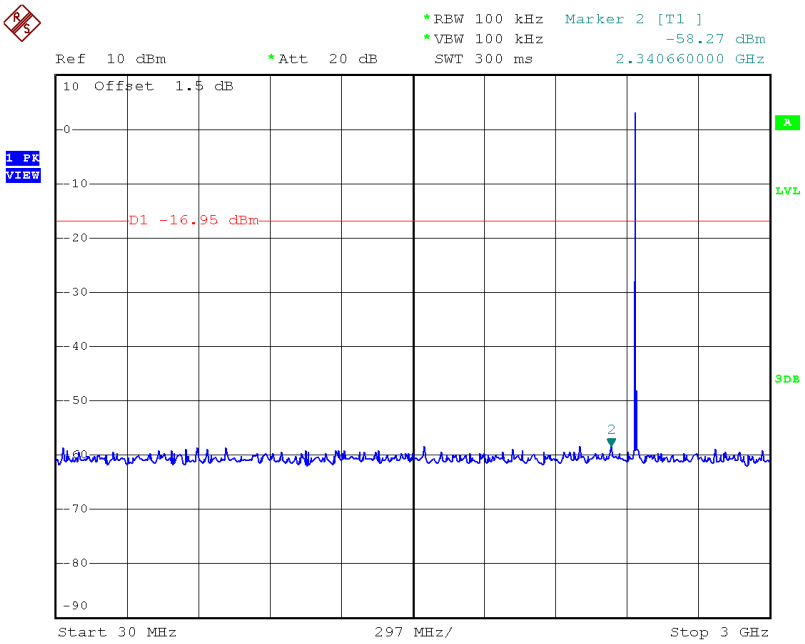


Date: 13.FEB.2017 19:19:31

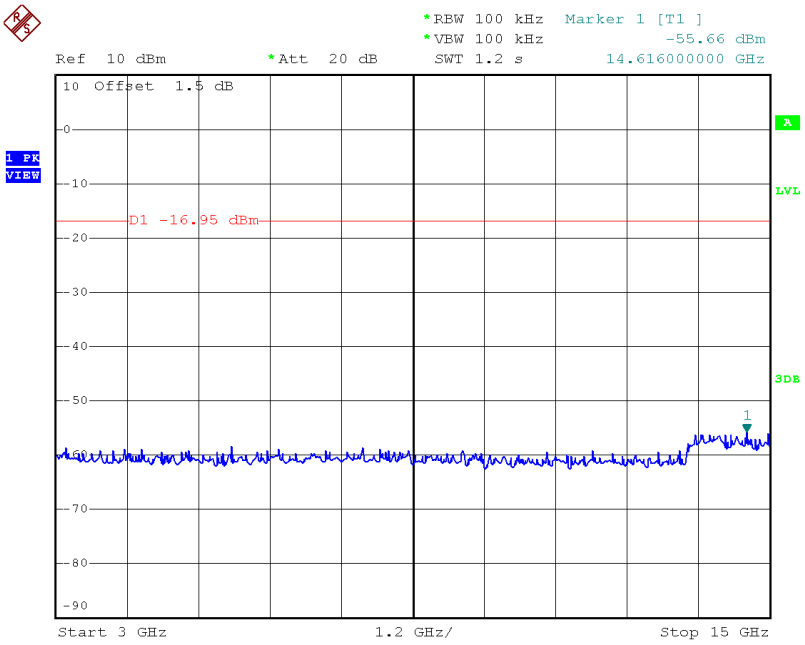


Date: 13.FEB.2017 19:19:40

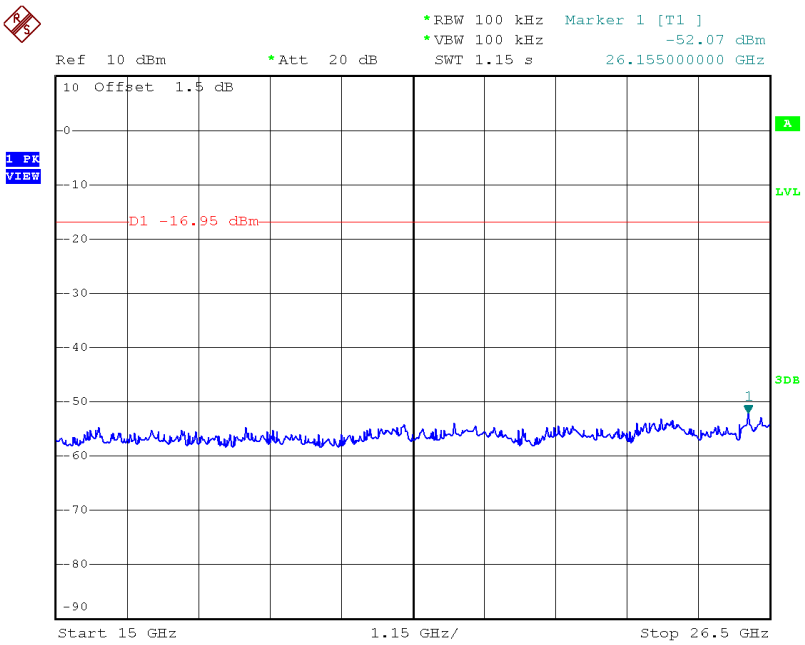
Middle Channel



Date: 13.FEB.2017 19:26:58

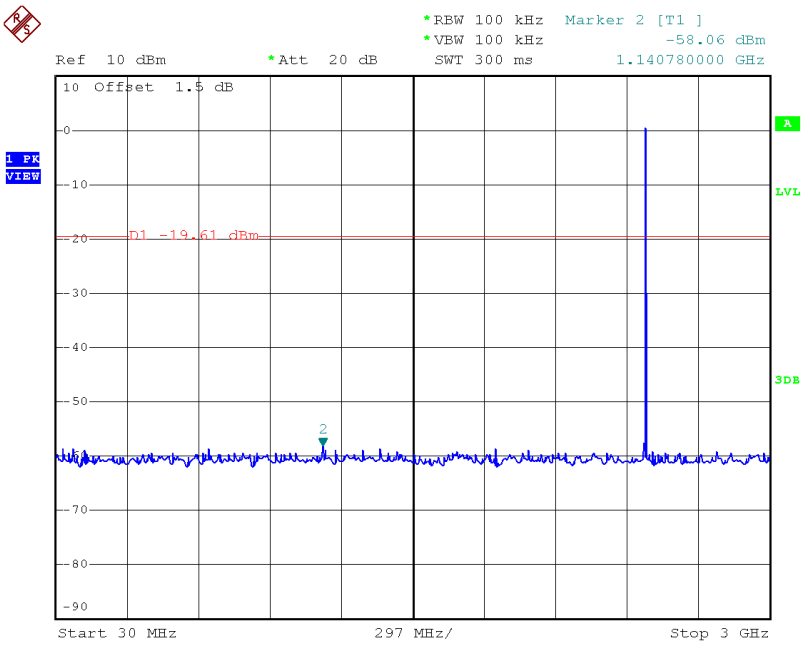


Date: 13.FEB.2017 19:27:07

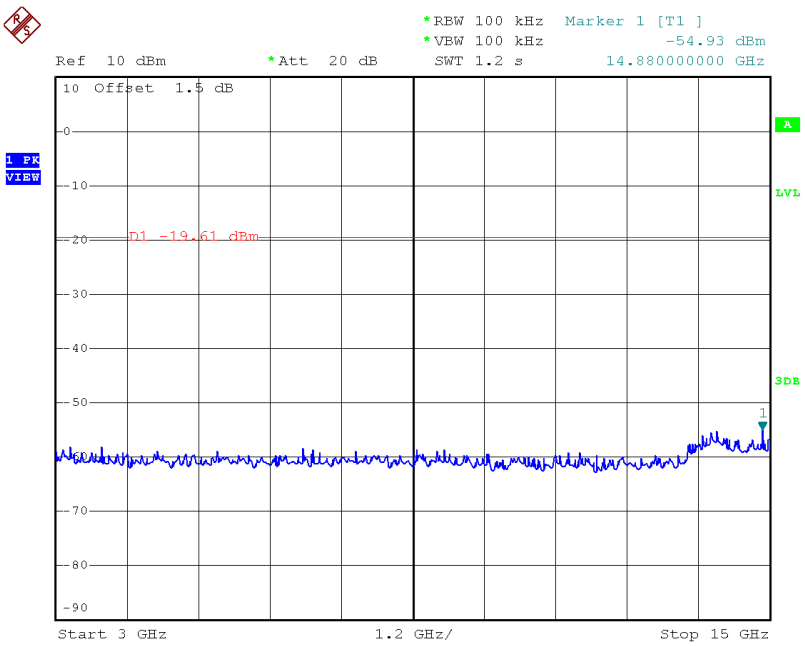


Date: 13.FEB.2017 19:27:15

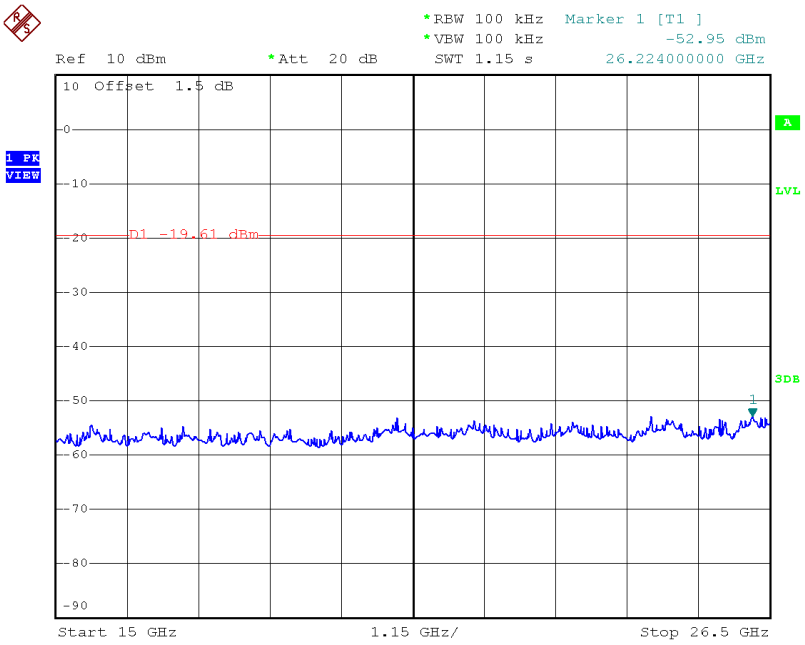
High Channel



Date: 13.FEB.2017 19:28:52

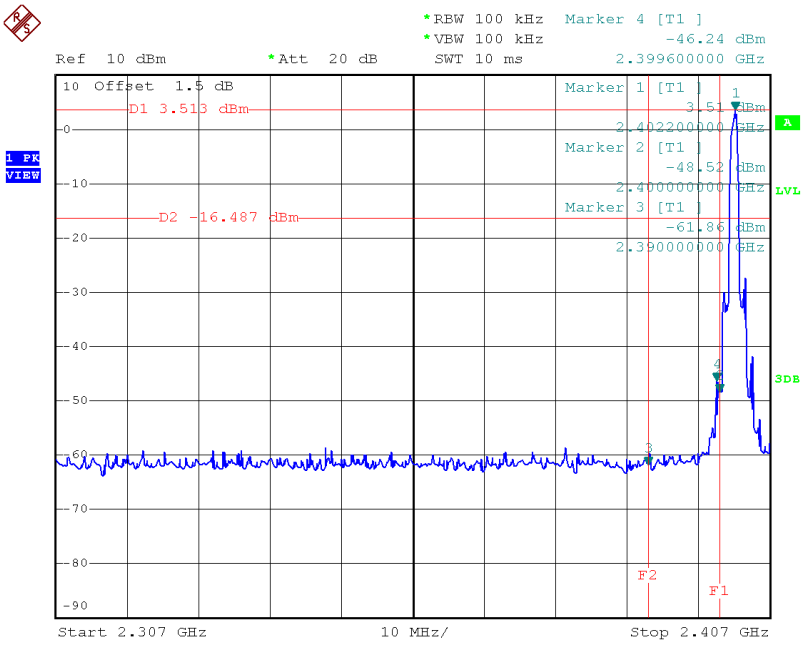


Date: 13.FEB.2017 19:29:00

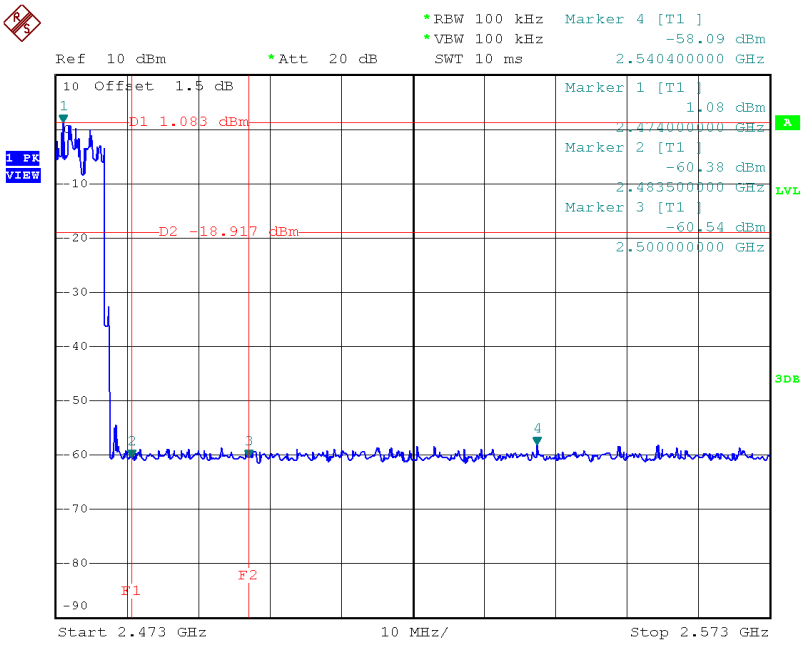


Date: 13.FEB.2017 19:29:09

Band Edge



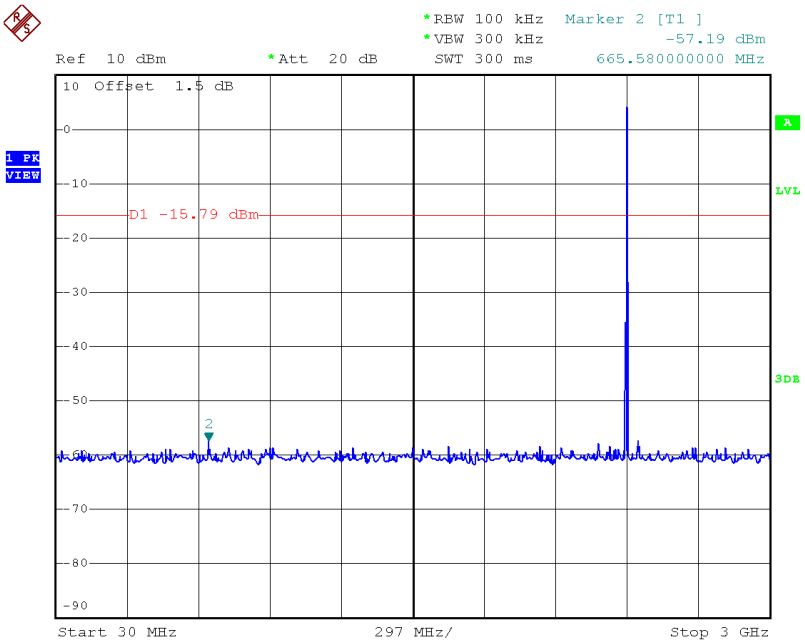
Date: 13.FEB.2017 19:18:49



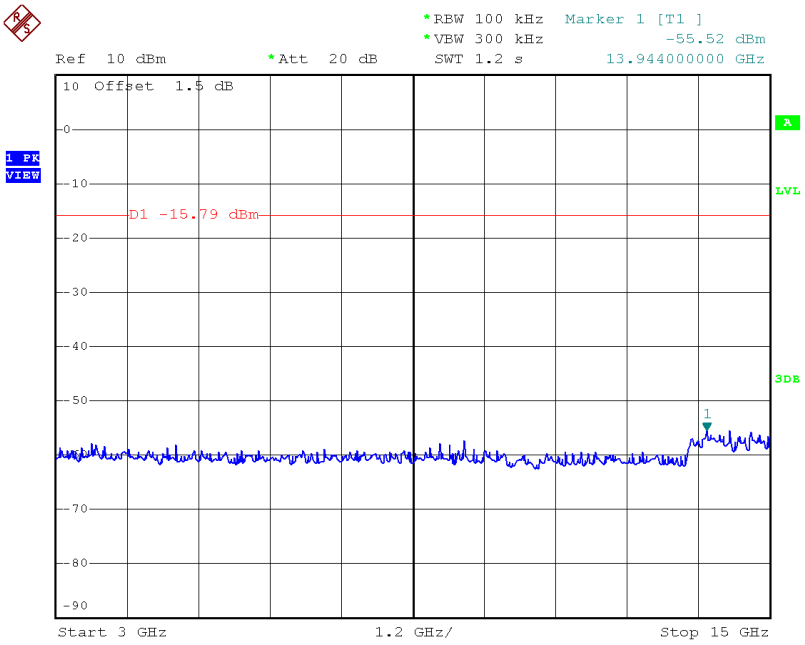
Date: 13.FEB.2017 19:38:32

Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of Low Energy mode

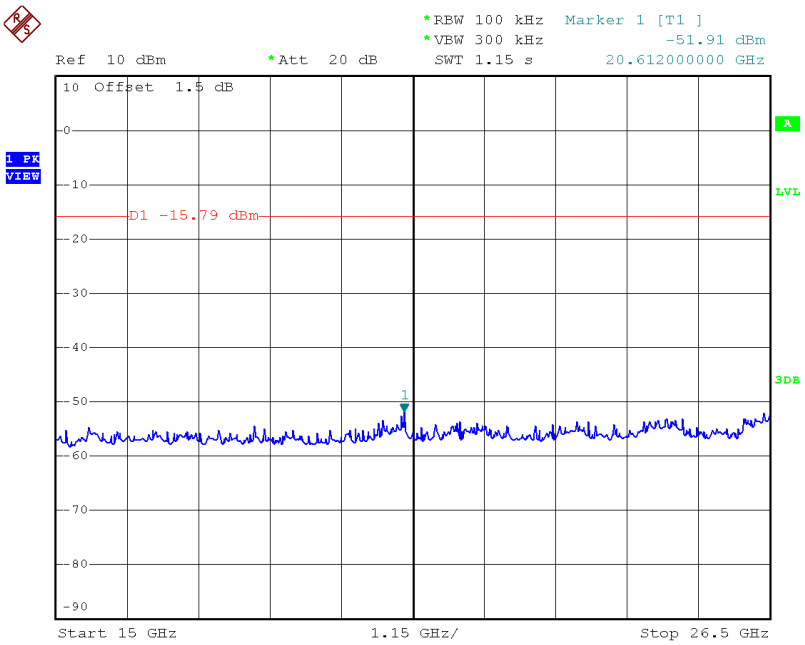
Low Channel



Date: 13.FEB.2017 19:47:42

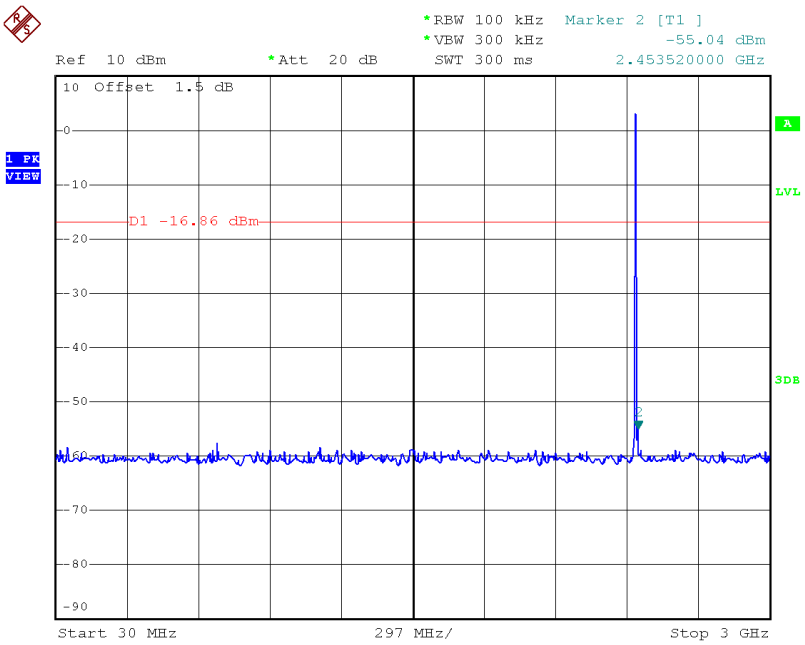


Date: 13.FEB.2017 19:47:51

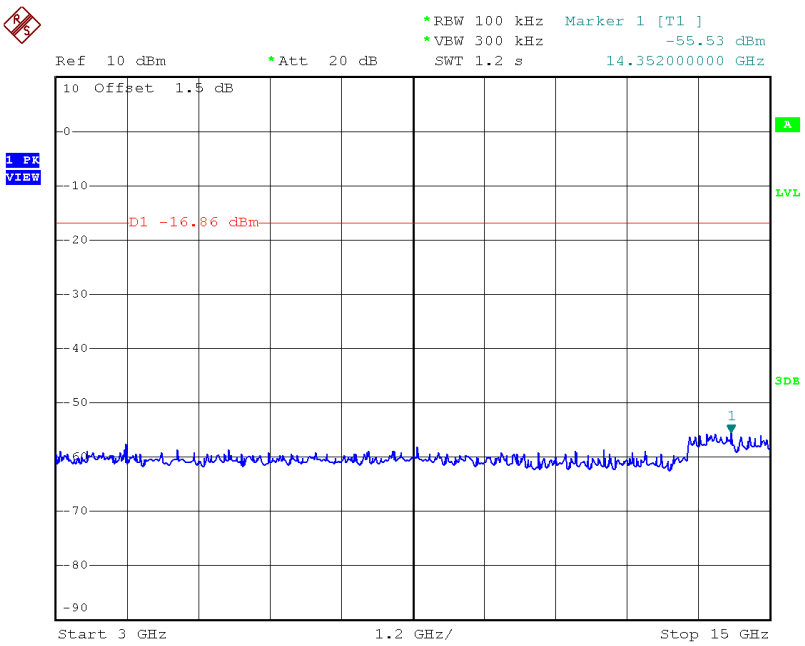


Date: 13.FEB.2017 19:47:59

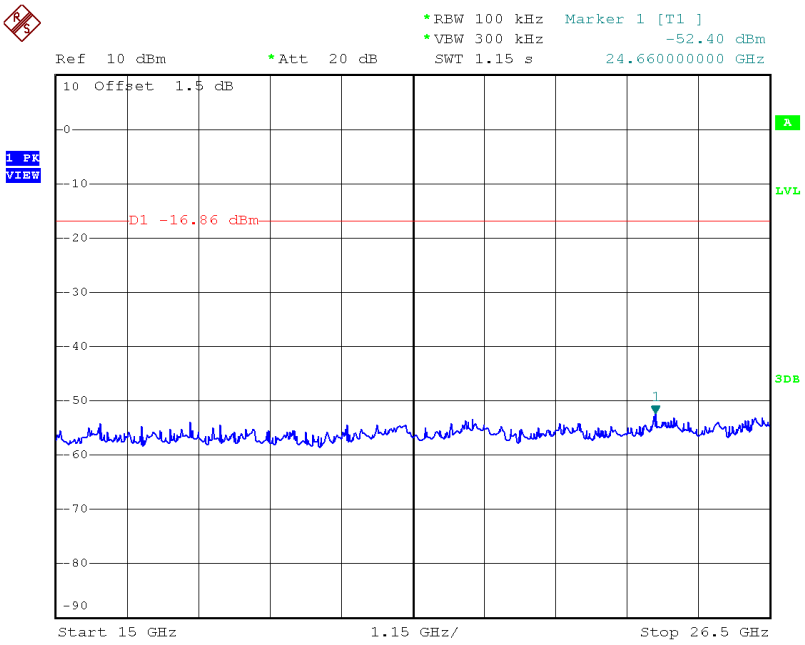
Middle Channel



Date: 13.FEB.2017 19:49:42

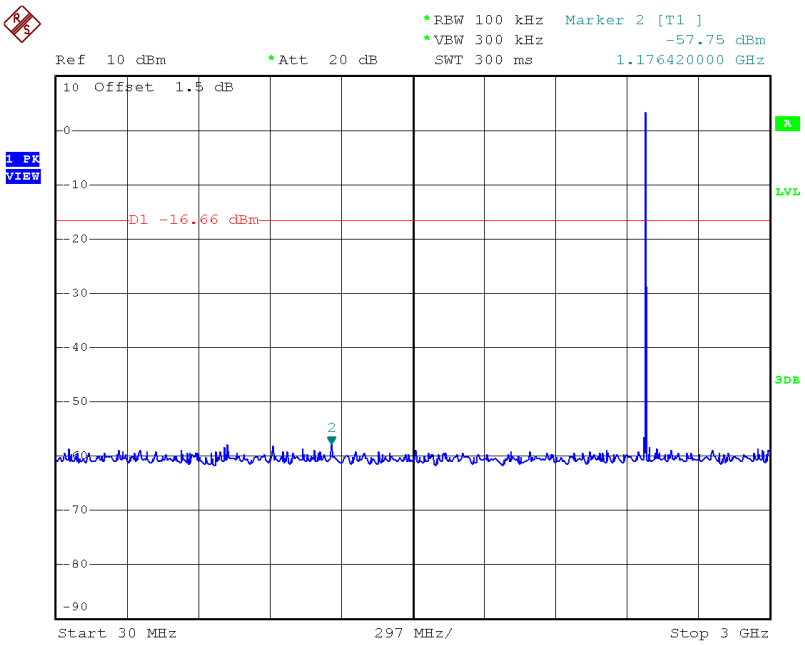


Date: 13.FEB.2017 19:49:50

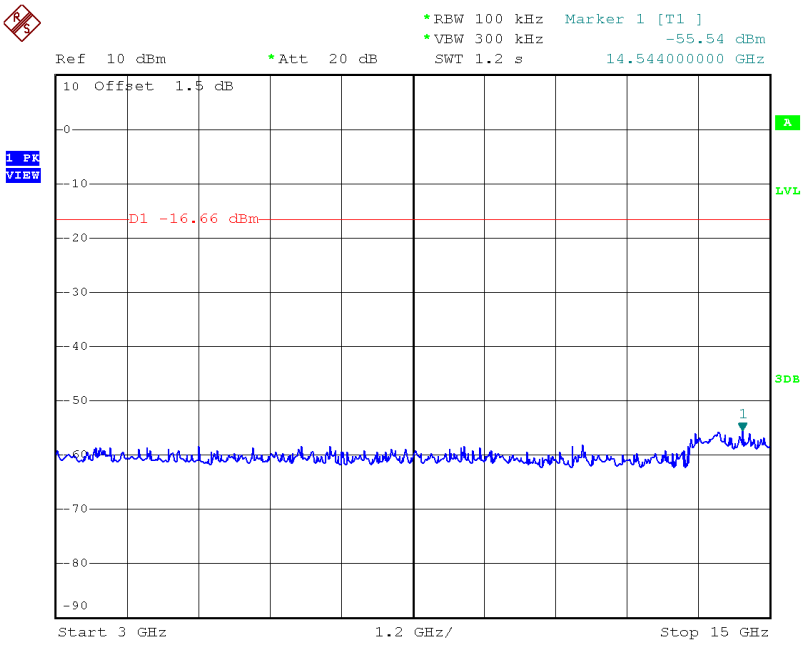


Date: 13.FEB.2017 19:49:59

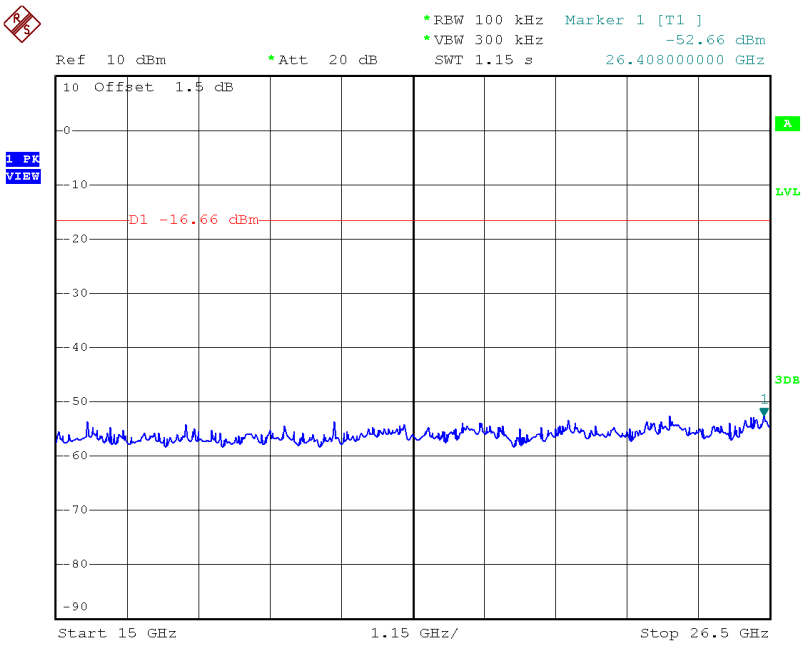
High Channel



Date: 13.FEB.2017 19:51:34

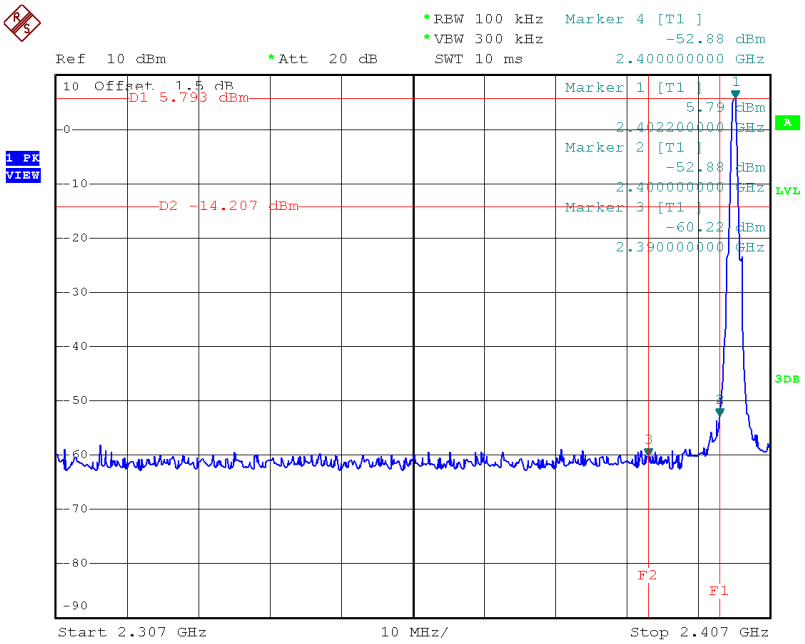


Date: 13.FEB.2017 19:51:43

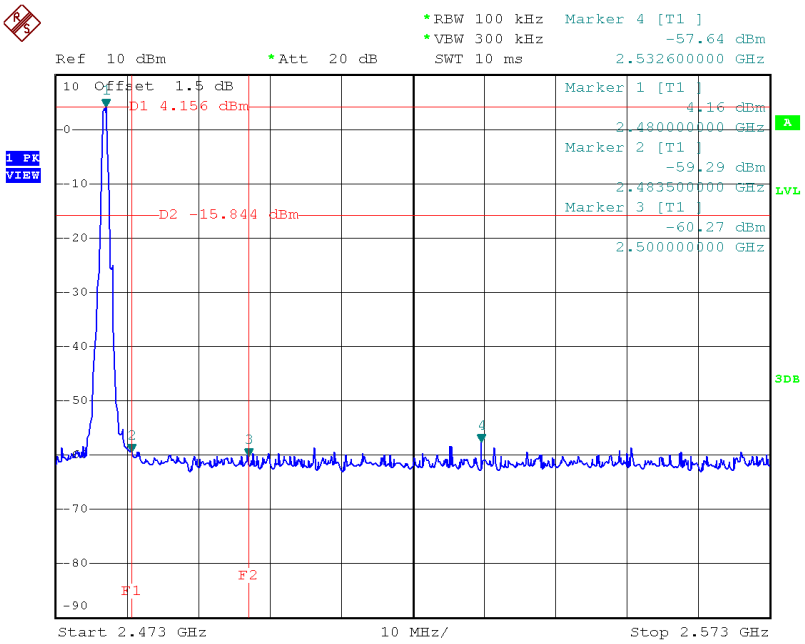


Date: 13.FEB.2017 19:51:51

Band Edge



Date: 13.FEB.2017 19:47:29



Date: 13.FEB.2017 19:51:20

5.1.6 Power spectral density

RESULT: **Pass**

Date of testing	:	2017-02-24
Test standard	:	FCC part 15.247(e) RSS-247 clause 5.2(2)
Basic standard	:	ANSI C63.10: 2013 Clause 10 of KDB 558074 v03r01
Limit	:	8dBm/3kHz
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation mode	:	A.2.a
Ambient temperature	:	25℃
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

Table 13: Test result of power spectral density

Mode	Channel (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Conclusion
Bluetooth LE mode	2402	-9.60	8	Pass
	2440	-8.47	8	Pass
	2480	-9.63	8	Pass

5.1.7 Spurious Emission

RESULT: **Pass**

Date of testing	:	2017-01-18 to 2017-02-15
Test standard	:	FCC part 15.247(d) RSS-Gen
Basic standard	:	ANSI C63.10: 2013 Clause 11 of KDB 558074 v03r01
Limits	:	FCC part 15.209(a)
Kind of test site	:	3m Semi-Anechoic Chamber & Anechoic Chamber

Test setup

Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1.a, A.2.a
Ambient temperature	:	25℃
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

The frequency range of testing is 9kMHz to 26.5GHz, and no any emissions were found from 9kHz to 1GHz, hence for the radiated emission from 9kHz to 1GHz, only the worst case were recorded.

For details refer to following test plot.

Test Plot of BDR & EDR

BTL Inc.
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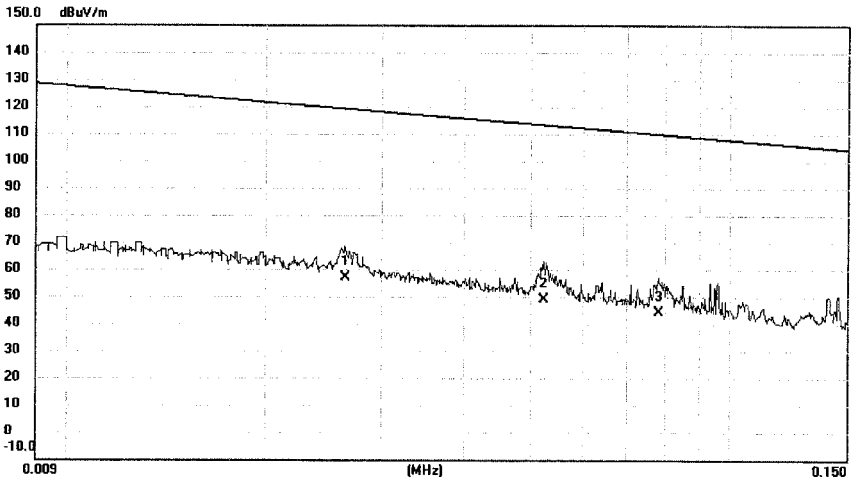
Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com

Site:	DG-CB01	Polarization:	Temperature: 25 (C)
Limit:	FCC 15.209_3m(QP&AVG)_new	Power: AC 120V/60Hz	Humidity: 60 %
EUT:	Smart Media Phone	Distance: 3m	
M/N:	SIP-T58V	Mode: TX_0_1	
Note:			

Radiated Emission Measurement

File :FCCP_9KTO30M Data :#1 Date: 2017-1-18 Time: 15:01:07



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0264	34.20	22.73	56.93	119.17	-62.24	AVG	
2		0.0524	29.30	19.79	49.09	113.22	-64.13	AVG	
3		0.0781	24.80	19.39	44.19	109.75	-65.56	AVG	

*:Maximum data x:Over limit !:over margin 〈Reference Only

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No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com

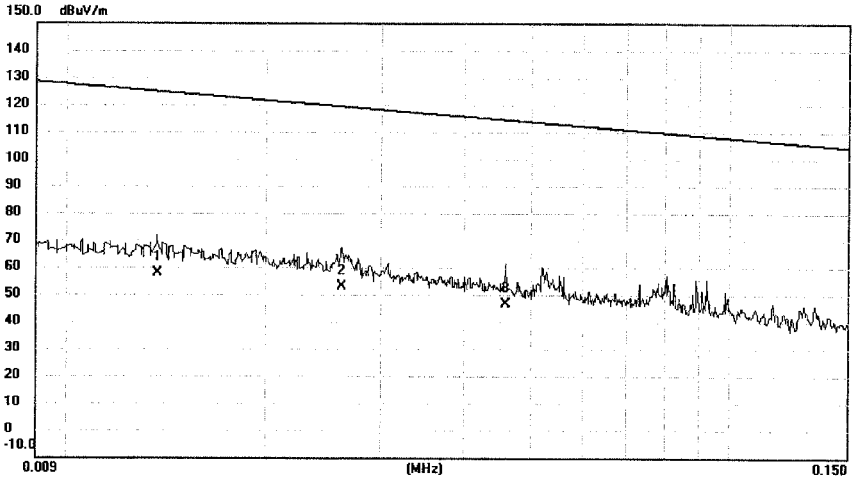
Site: DG-CB01
Limit: FCC 15.209_3m(QP&AVG)_new
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization:
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_90_1

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_9KTO30M Data :#3 Date: 2017-1-18 Time: 15:11:14



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0138	33.90	23.89	57.79	124.81	-67.02	AVG	
2	*	0.0261	30.10	22.77	52.87	119.27	-66.40	AVG	
3		0.0460	26.10	20.31	46.41	114.35	-67.94	AVG	

*:Maximum data x:Over limit !:over margin ⟨Reference Only

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Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com

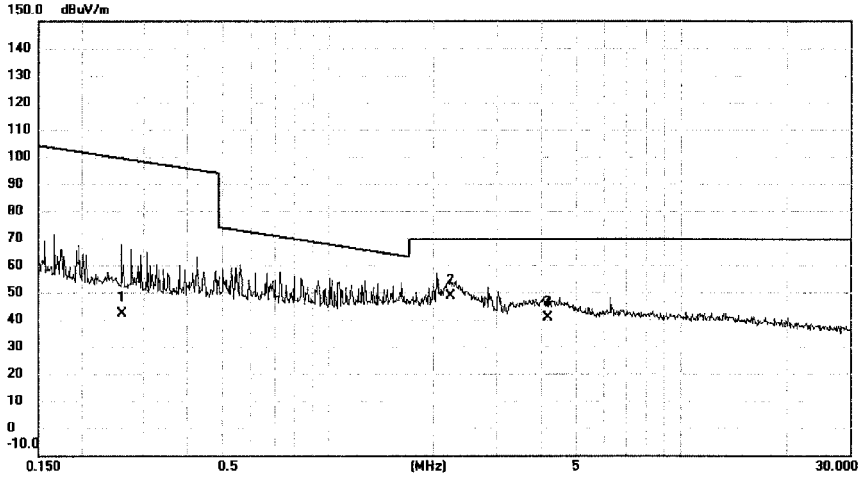
Site: DG-CB01
Limit: FCC 15.209_3m(QP&AVG)_new
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization:
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_0_2

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_9KTO30M Data :#2 Date: 2017-1-18 Time: 15:04:11



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2603	23.60	18.64	42.24	99.30	-57.06	AVG	
2	*	2.2367	31.10	17.60	48.70	69.54	-20.84	QP	
3		4.1574	22.00	18.43	40.43	69.54	-29.11	QP	

*:Maximum data x:Over limit !:over margin 〈Reference Only

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www.newbtl.com

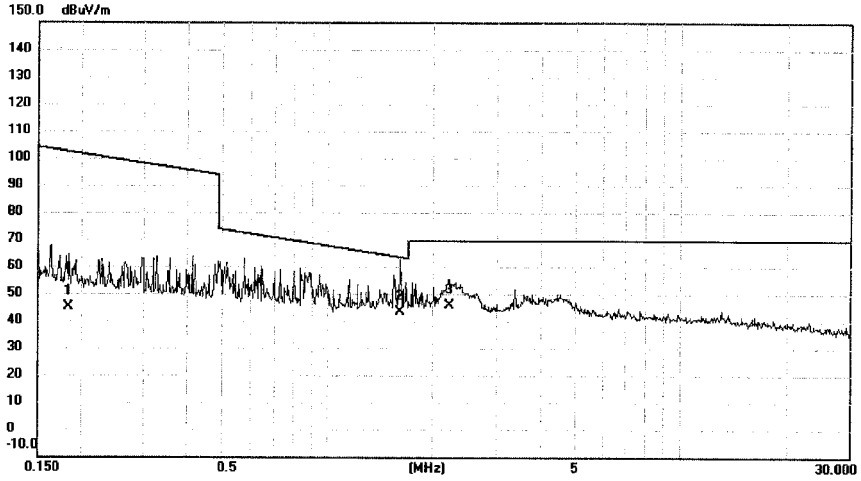
Site: DG-CB01
Limit: FCC 15.209_3m(QP&AVG)_new
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization:
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_90_2

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_9KTO30M Data :#4 Date: 2017-1-18 Time: 15:07:54



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1835	26.20	18.71	44.91	102.33	-57.42	AVG	
2	*	1.6190	25.60	17.82	43.42	63.42	-20.00	QP	
3		2.2132	28.00	17.63	45.63	69.54	-23.91	QP	

*:Maximum data x:Over limit !:over margin 〈Reference Only

BTL Inc.
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Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com

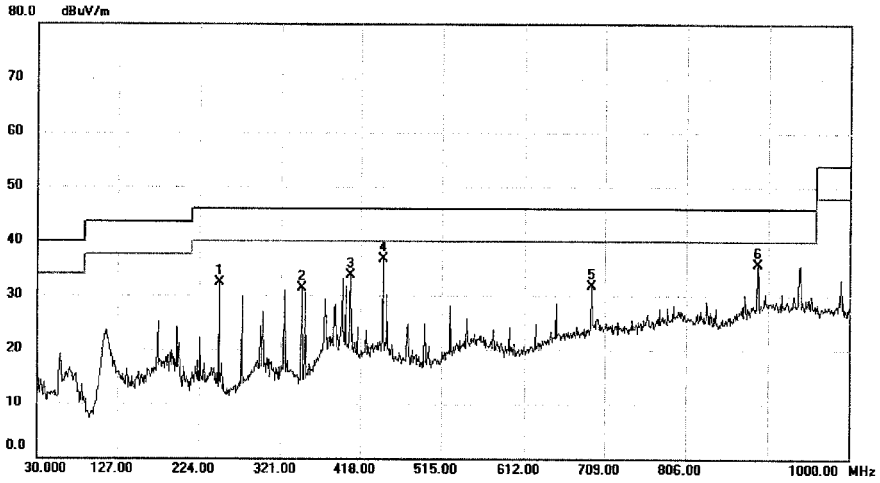
Site: DG-CB03
Limit: FCC Class B 3m Radiation
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_1M_2402

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BELOW1G_1 Data :#1 Date: 2017-2-14 Time: 20:22:30



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		247.280	46.34	-14.08	32.26	46.00	-13.74	peak	
2		346.705	42.45	-11.15	31.30	46.00	-14.70	peak	
3		405.390	41.45	-7.80	33.65	46.00	-12.35	peak	
4	*	445.645	44.62	-7.98	36.64	46.00	-9.36	peak	
5		692.995	34.06	-2.39	31.67	46.00	-14.33	peak	
6		890.875	33.68	1.93	35.61	46.00	-10.39	peak	

*:Maximum data x:Over limit !:over margin 〈Reference Only

File :FCCP_BELOW1G_1\Data :#1 *Page: 1* Test engineer : Welly

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Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com

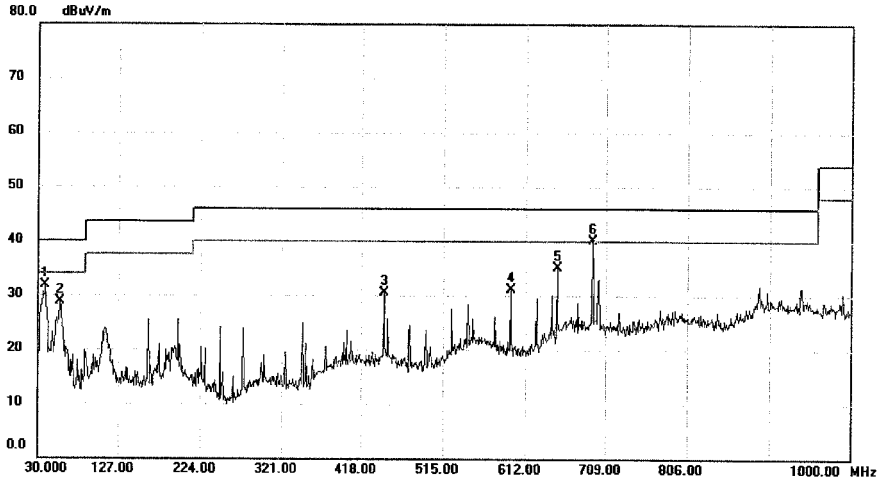
Site: DG-CB03
Limit: FCC Class B 3m Radiation
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_1M_2402

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BELOW1G_1 Data :#4 Date: 2017-2-14 Time: 20:29:06



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		38.730	45.84	-14.06	31.78	40.00	-8.22	peak	
2		56.675	42.06	-13.45	28.61	40.00	-11.39	peak	
3		445.645	38.44	-7.98	30.46	46.00	-15.54	peak	
4		594.055	37.85	-6.76	31.09	46.00	-14.91	peak	
5		649.830	39.22	-4.19	35.03	46.00	-10.97	peak	
6	*	692.995	42.49	-2.39	40.10	46.00	-5.90	peak	

*:Maximum data x:Over limit !:over margin 〈Reference Only

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Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com

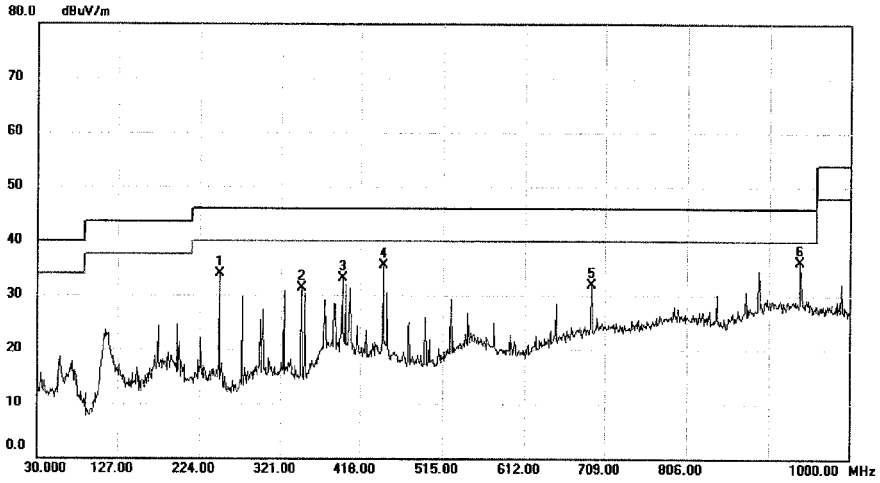
Site: DG-CB03
Limit: FCC Class B 3m Radiation
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_1M_2441

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BELOW1G_1 Data :#2 Date: 2017-2-14 Time: 20:24:00



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		247.765	48.10	-14.10	34.00	46.00	-12.00	peak	
2		346.705	42.47	-11.15	31.32	46.00	-14.68	peak	
3		396.175	41.12	-8.04	33.08	46.00	-12.92	peak	
4		445.645	43.52	-7.98	35.54	46.00	-10.46	peak	
5		692.995	34.37	-2.39	31.98	46.00	-14.02	peak	
6	*	940.345	33.55	2.49	36.04	46.00	-9.96	peak	

*:Maximum data x:Over limit !:over margin 〈Reference Only

File :FCCP_BELOW1G_1\Data :#2 *Page: 1* Test engineer : Welly

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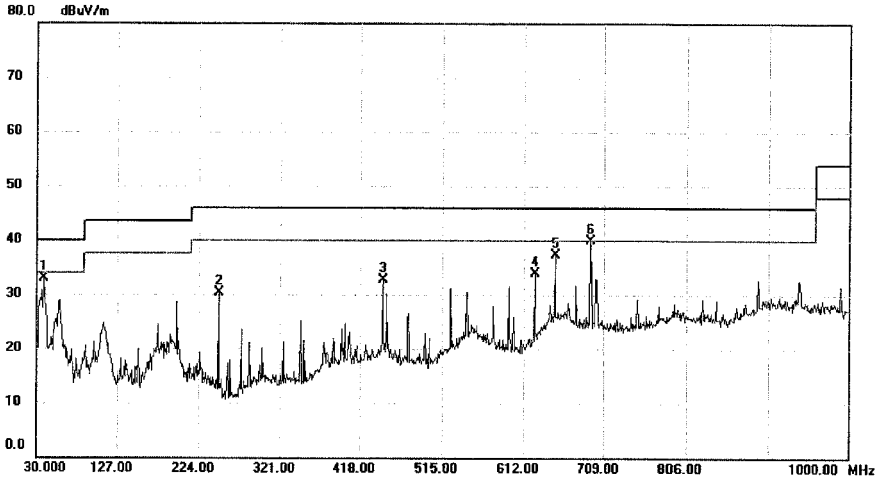
Site: DG-CB03
Limit: FCC Class B 3m Radiation
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_1M_2441

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BELOW1G_1 Data :#5 Date: 2017-2-14 Time: 20:31:43



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		38.730	46.90	-14.06	32.84	40.00	-7.16	peak	
2		247.280	44.42	-14.08	30.34	46.00	-15.66	peak	
3		445.645	40.68	-7.98	32.70	46.00	-13.30	peak	
4		625.095	39.53	-5.61	33.92	46.00	-12.08	peak	
5		649.830	41.47	-4.19	37.28	46.00	-8.72	peak	
6	*	692.995	42.24	-2.39	39.85	46.00	-6.15	peak	

*:Maximum data x:Over limit !:over margin (Reference Only

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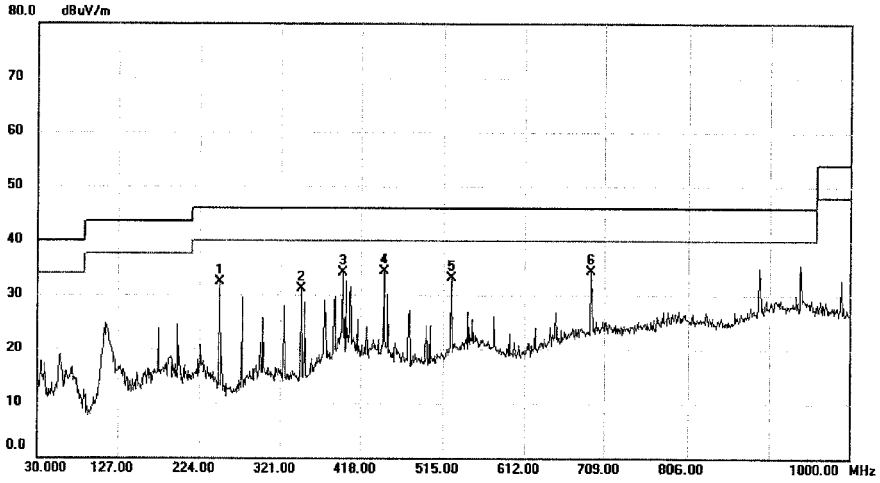
Site: DG-CB03
Limit: FCC Class B 3m Radiation
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_1M_2480

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BELOW1G_1 Data :#3 Date: 2017-2-14 Time: 20:26:22



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		247.280	46.31	-14.08	32.23	46.00	-13.77	peak	
2		346.705	42.20	-11.15	31.05	46.00	-14.95	peak	
3		396.175	42.14	-8.04	34.10	46.00	-11.90	peak	
4	*	445.645	42.32	-7.98	34.34	46.00	-11.66	peak	
5		525.185	40.27	-7.11	33.16	46.00	-12.84	peak	
6		692.995	36.66	-2.39	34.27	46.00	-11.73	peak	

*:Maximum data x:Over limit !:over margin (Reference Only

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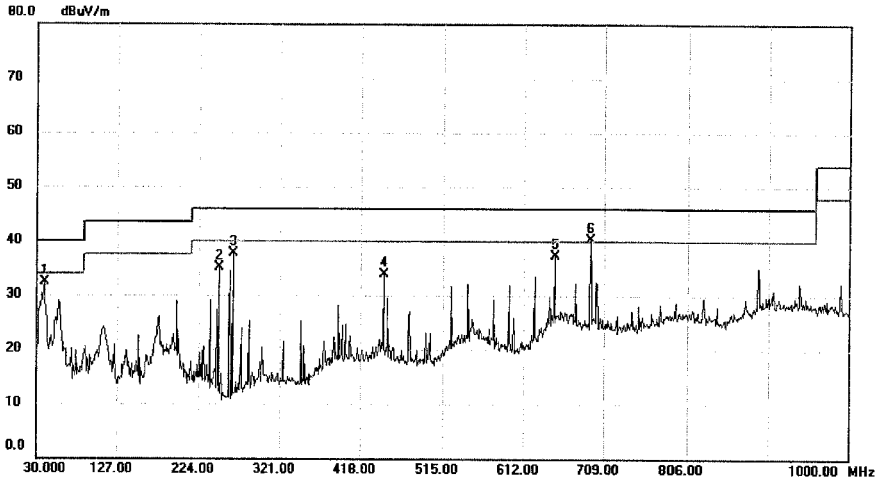
Site: DG-CB03
Limit: FCC Class B 3m Radiation
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_1M_2480

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BELOW1G_1 Data :#6 Date: 2017-2-14 Time: 20:34:31



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		39.215	46.39	-14.01	32.38	40.00	-7.62	peak	
2		247.280	49.14	-14.08	35.06	46.00	-10.94	peak	
3		264.255	51.57	-13.87	37.70	46.00	-8.30	peak	
4		445.645	41.86	-7.98	33.88	46.00	-12.12	peak	
5		649.830	41.57	-4.19	37.38	46.00	-8.62	peak	
6	*	692.995	42.70	-2.39	40.31	46.00	-5.69	peak	

*:Maximum data x:Over limit !:over margin (Reference Only

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Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
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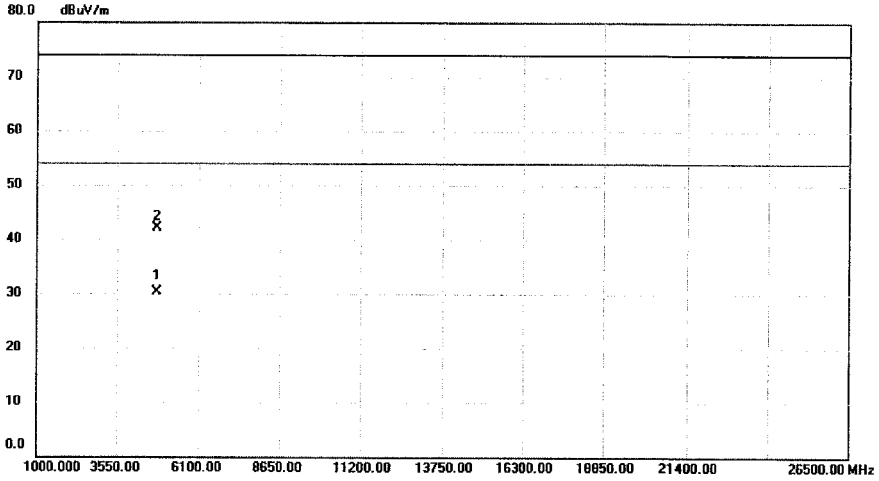
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_1M_2402

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_ABOVE1G Data :#1 Date: 2017-2-15 Time: 20:43:26



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4803.991	25.50	4.77	30.27	54.00	-23.73	AVG	
2		4804.018	37.29	4.77	42.06	74.00	-31.94	peak	

*:Maximum data x:Over limit !:over margin (Reference Only

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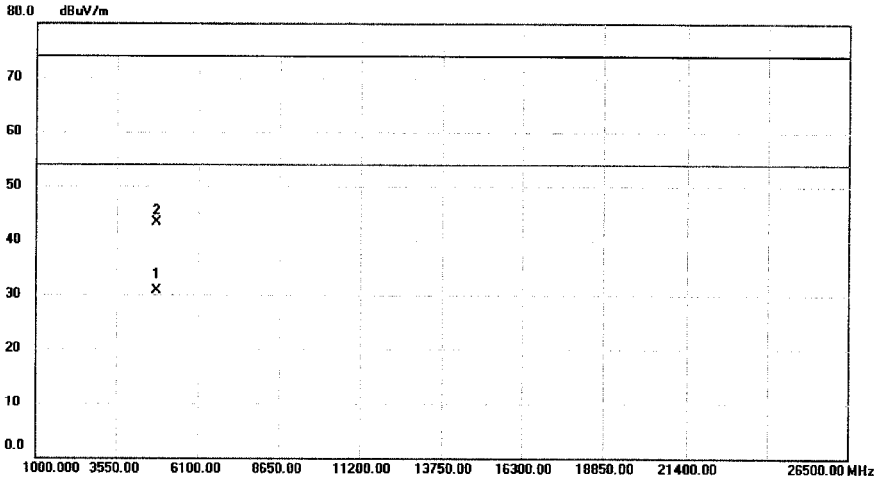
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_1M_2402

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_ABOVE1G Data :#2 Date: 2017-2-15 Time: 20:44:27



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4804.320	25.87	4.77	30.64	54.00	-23.36	AVG	
2		4804.250	38.56	4.77	43.33	74.00	-30.67	peak	

*:Maximum data x:Over limit !:over margin 〈Reference Only

File :FCCP_ABOVE1G\Data :#2 *Page: 1* Test engineer : Welly

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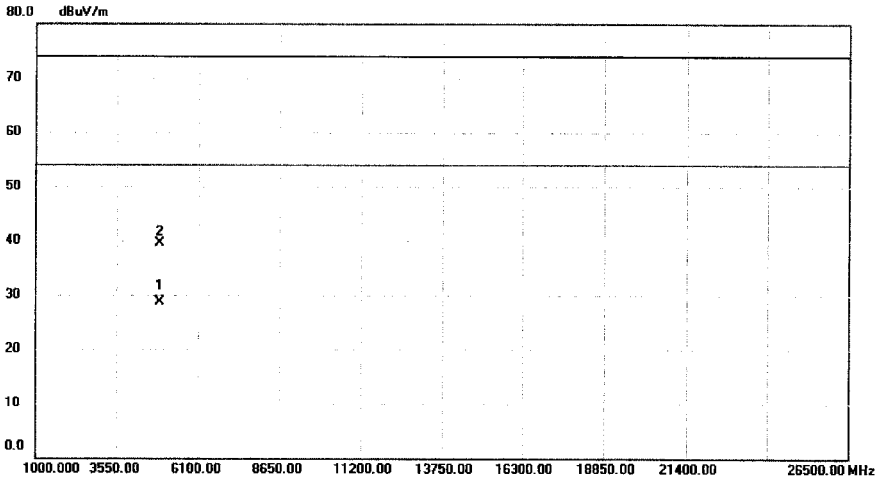
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_1M_2441

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_ABOVE1G Data :#8 Date: 2017-2-15 Time: 20:52:18



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4881.240	23.63	5.10	28.73	54.00	-25.27	AVG	
2		4882.323	34.42	5.10	39.52	74.00	-34.48	peak	

*:Maximum data x:Over limit !:over margin (Reference Only

File :FCCP_ABOVE1G\Data :#8 *Page: 1* Test engineer : Welly

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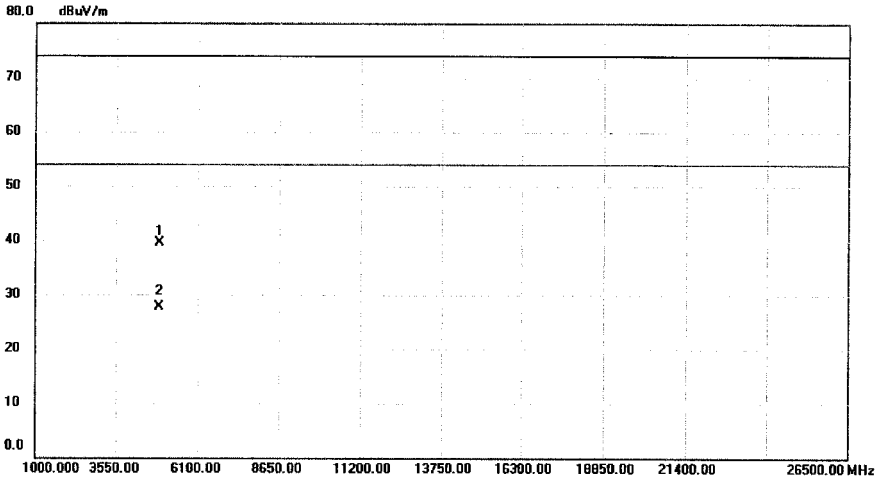
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_1M_2441

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_ABOVE1G Data :#7 Date: 2017-2-15 Time: 20:51:50



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4880.892	34.38	5.10	39.48	74.00	-34.52	peak	
2	*	4883.135	22.58	5.10	27.68	54.00	-26.32	AVG	

*:Maximum data x:Over limit !:over margin 〈Reference Only

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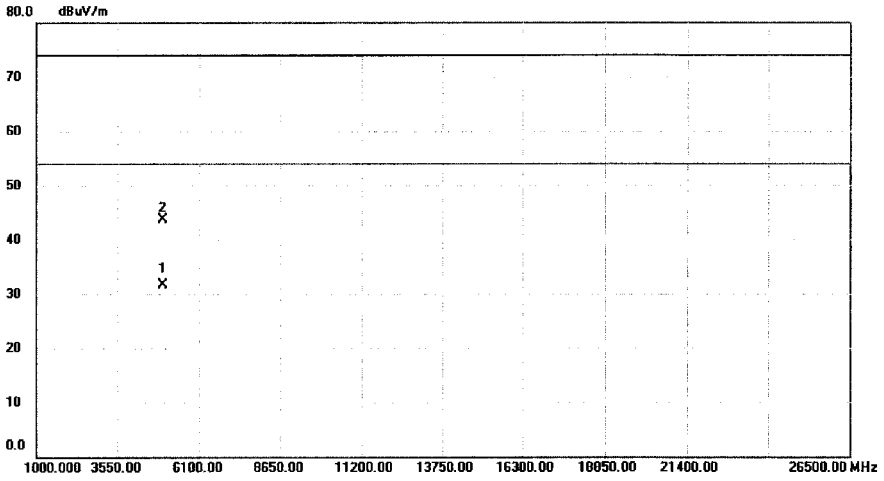
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_1M_2480

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_ABOVE1G Data :#9 Date: 2017-2-15 Time: 20:54:33



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4960.328	26.17	5.44	31.61	54.00	-22.39	AVG	
2		4960.117	38.21	5.43	43.64	74.00	-30.36	peak	

*:Maximum data x:Over limit !:over margin (Reference Only

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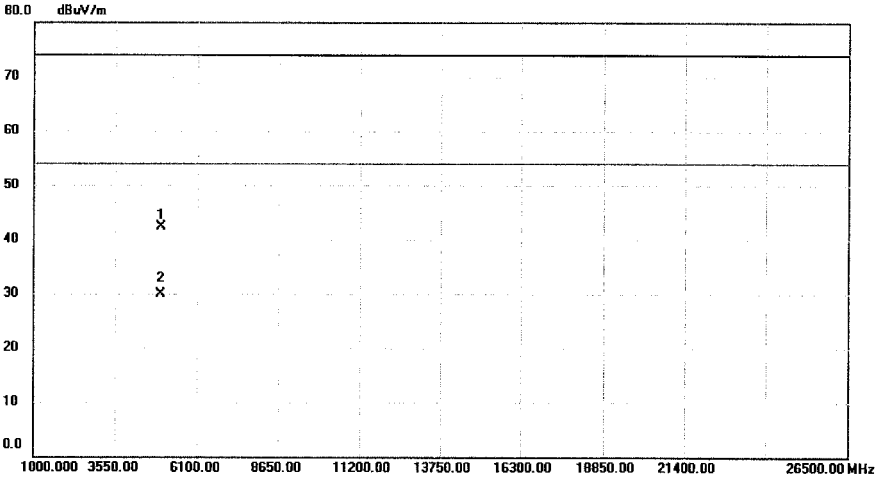
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_1M_2480

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_ABOVE1G Data :#10 Date: 2017-2-15 Time: 20:56:51



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4960.326	36.87	5.44	42.31	74.00	-31.69	peak	
2	*	4960.238	24.39	5.43	29.82	54.00	-24.18	AVG	

*:Maximum data x:Over limit !:over margin (Reference Only

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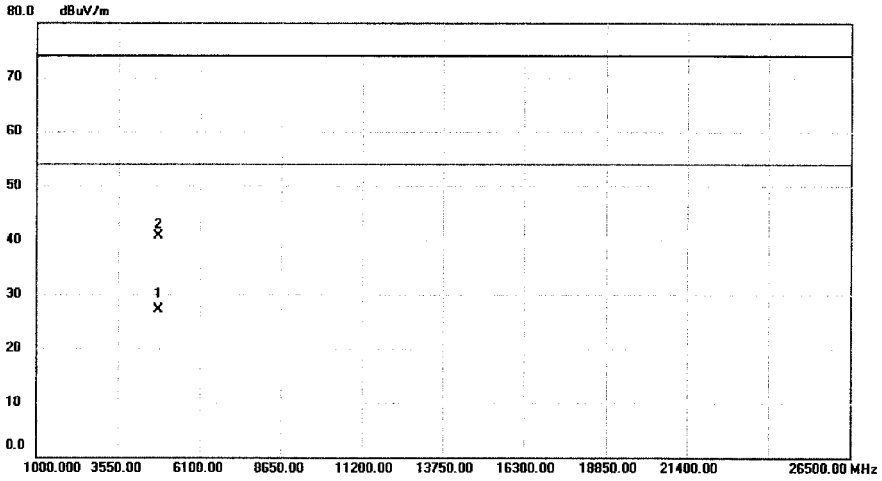
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_3M_2402

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_ABOVE1G Data :#4 Date: 2017-2-15 Time: 20:47:00



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4803.680	22.38	4.77	27.15	54.00	-26.85	AVG	
2		4803.752	35.91	4.77	40.68	74.00	-33.32	peak	

*:Maximum data x:Over limit !:over margin (Reference Only

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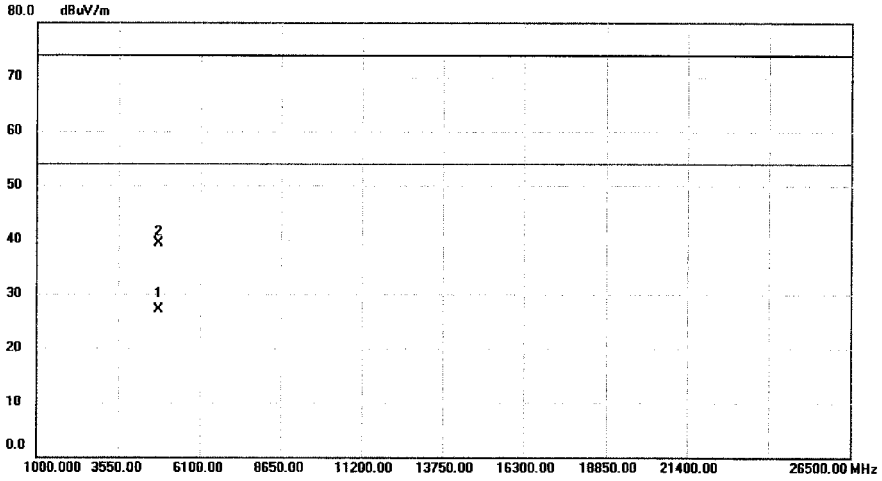
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_3M_2402

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_ABOVE1G Data :#3 Date: 2017-2-15 Time: 20:45:36



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4801.600	22.31	4.77	27.08	54.00	-26.92	AVG	
2		4805.445	34.53	4.78	39.31	74.00	-34.69	peak	

*:Maximum data x:Over limit !:over margin (Reference Only

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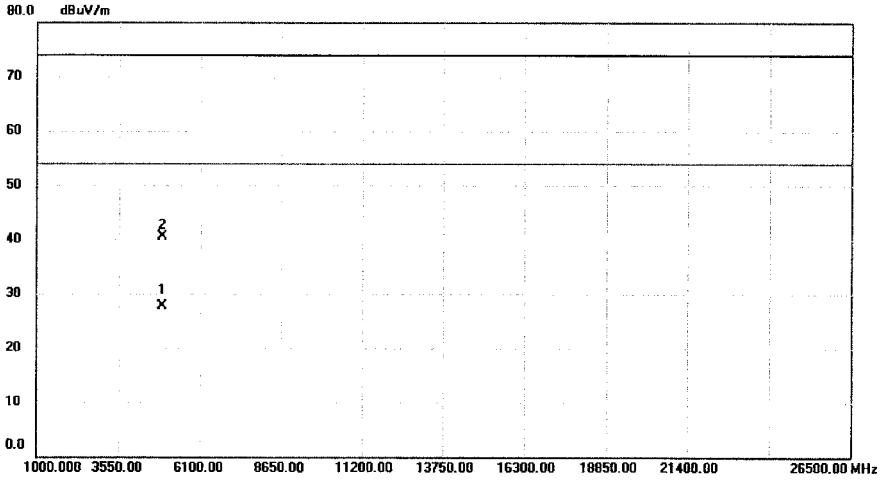
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_3M_2441

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_ABOVE1G Data :#5 Date: 2017-2-15 Time: 20:47:54



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4882.755	22.54	5.10	27.64	54.00	-26.36	AVG	
2		4884.480	35.44	5.11	40.55	74.00	-33.45	peak	

*:Maximum data x:Over limit !:over margin 〈Reference Only

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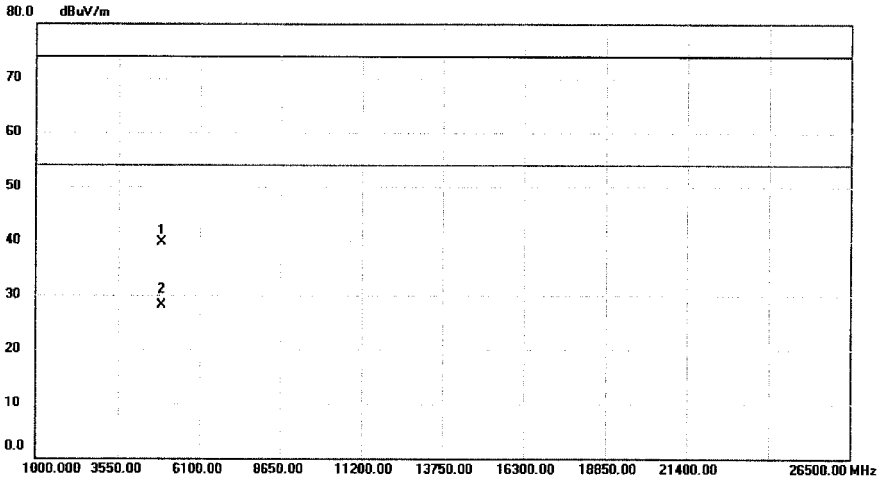
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_3M_2441

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_ABOVE1G Data :#6 Date: 2017-2-15 Time: 20:49:34



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4880.910	34.65	5.10	39.75	74.00	-34.25	peak	
2	*	4881.972	23.10	5.10	28.20	54.00	-25.80	AVG	

*:Maximum data x:Over limit !:over margin (Reference Only

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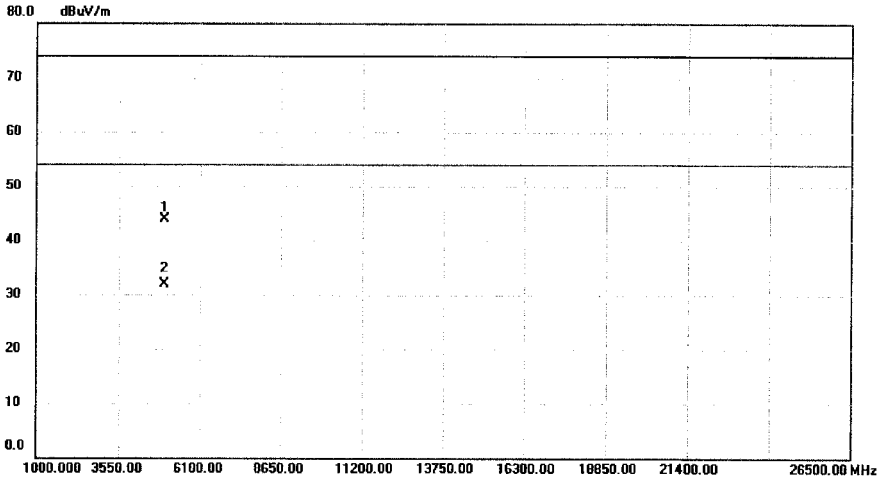
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_3M_2480

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_ABOVE1G Data :#12 Date: 2017-2-15 Time: 21:03:11



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4959.217	38.55	5.43	43.98	74.00	-30.02	peak	
2	*	4959.221	26.48	5.43	31.91	54.00	-22.09	AVG	

*:Maximum data x:Over limit !:over margin (Reference Only

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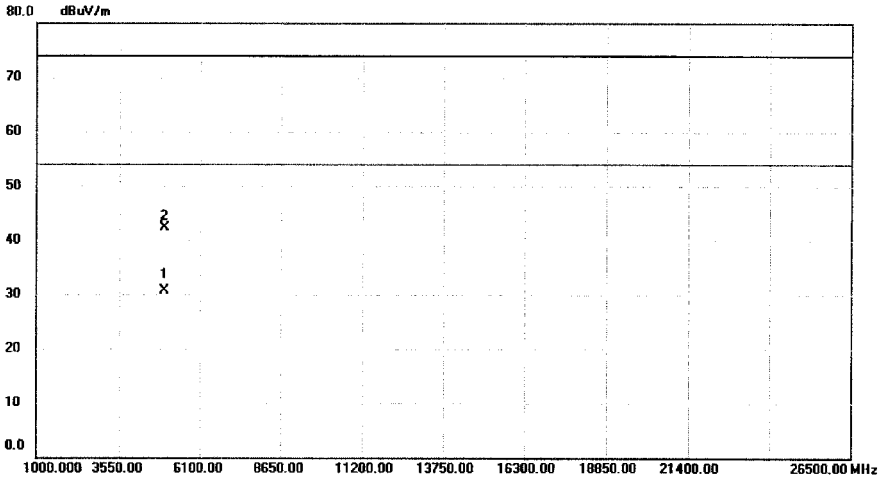
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_3M_2480

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_ABOVE1G Data :#11 Date: 2017-2-15 Time: 20:59:14



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4959.979	25.19	5.43	30.62	54.00	-23.38	AVG	
2		4959.932	36.82	5.43	42.25	74.00	-31.75	peak	

*:Maximum data x:Over limit !:over margin (Reference Only

Test Plot of Band Edge

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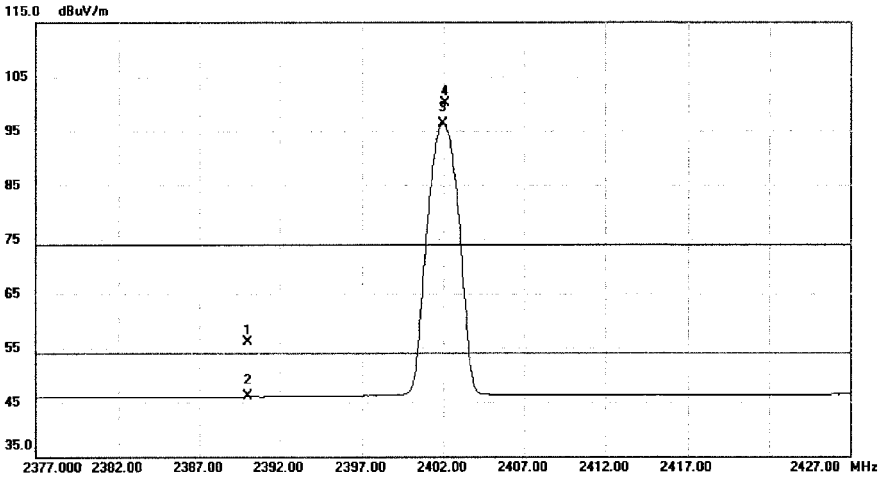
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_1M_2402

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BANDEDGE Data :#12 Date: 2017-2-14 Time: 21:28:12



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	23.08	33.01	56.09	74.00	-17.91	peak	
2		2390.000	13.00	33.01	46.01	54.00	-7.99	AVG	
3	*	2401.975	63.29	33.06	96.35	54.00	42.35	AVG	No Limit
4	X	2402.125	67.11	33.06	100.17	74.00	26.17	peak	No Limit

*:Maximum data x:Over limit !:over margin (Reference Only

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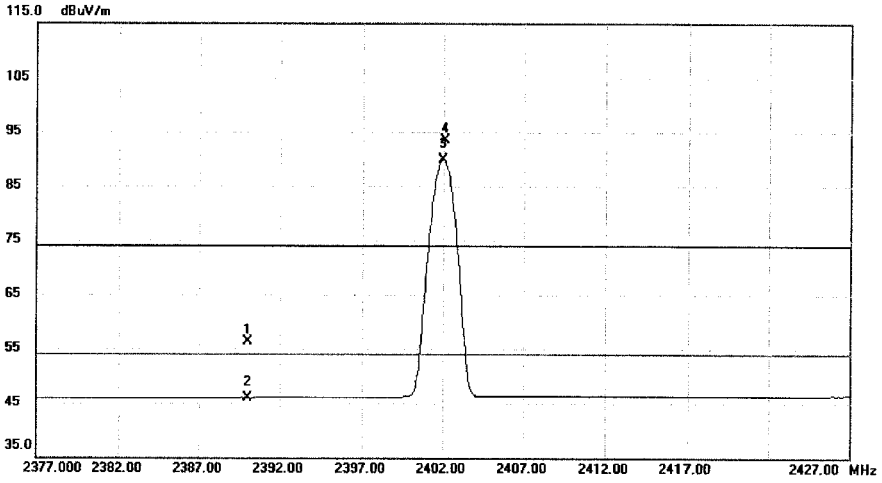
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_1M_2402

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BANDEDGE Data :#1 Date: 2017-2-14 Time: 21:05:57



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	23.22	33.01	56.23	74.00	-17.77	peak	
2		2390.000	12.98	33.01	45.99	54.00	-8.01	AVG	
3	*	2401.975	56.89	33.06	89.95	54.00	35.95	AVG	No Limit
4	X	2402.125	60.50	33.06	93.56	74.00	19.56	peak	No Limit

*:Maximum data x:Over limit !:over margin (Reference Only

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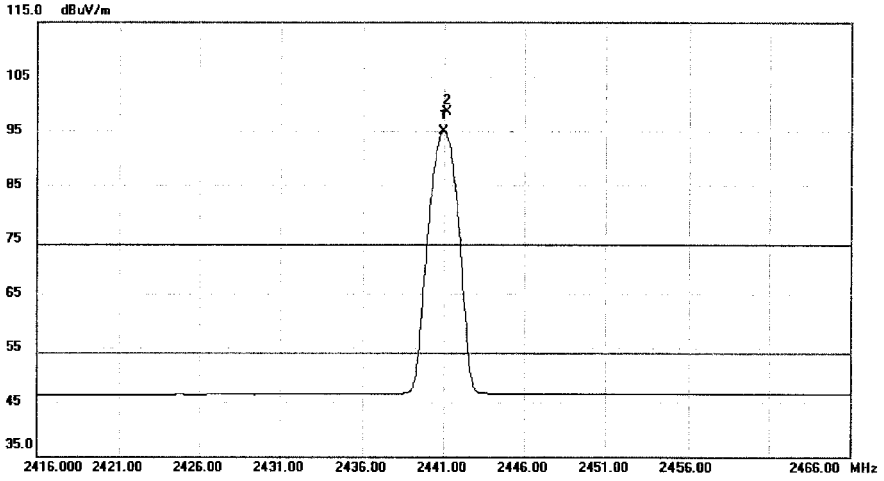
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_1M_2441

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BANDEDGE Data :#11 Date: 2017-2-14 Time: 21:27:03



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2440.975	61.75	33.22	94.97	54.00	40.97	AVG	No Limit
2	X	2441.150	65.29	33.22	98.51	74.00	24.51	peak	No Limit

*:Maximum data x:Over limit !:over margin (Reference Only

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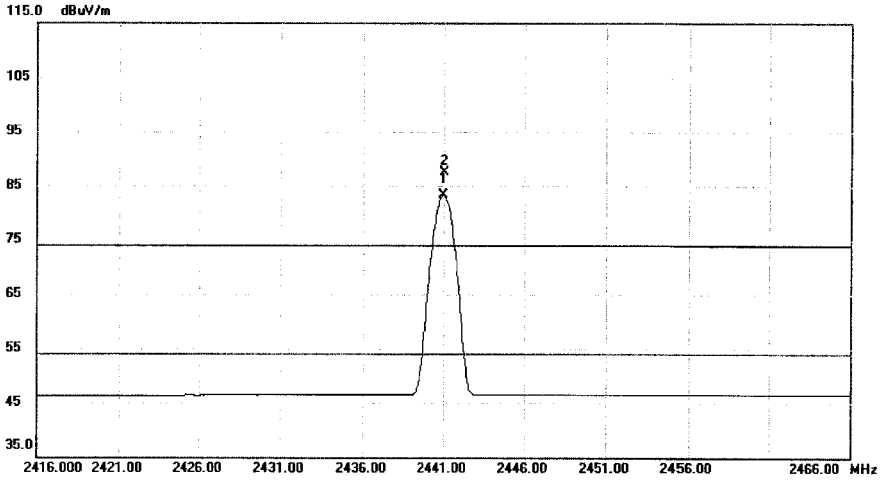
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_1M_2441

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BANDEDGE Data :#2 Date: 2017-2-14 Time: 21:07:36



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2440.975	50.17	33.22	83.39	54.00	29.39	AVG	No Limit
2	X	2441.000	54.28	33.22	87.50	74.00	13.50	peak	No Limit

*:Maximum data x:Over limit !:over margin (Reference Only

File :FCCP_BANDEDGE\Data :#2 *Page: 1* Test engineer : Welly

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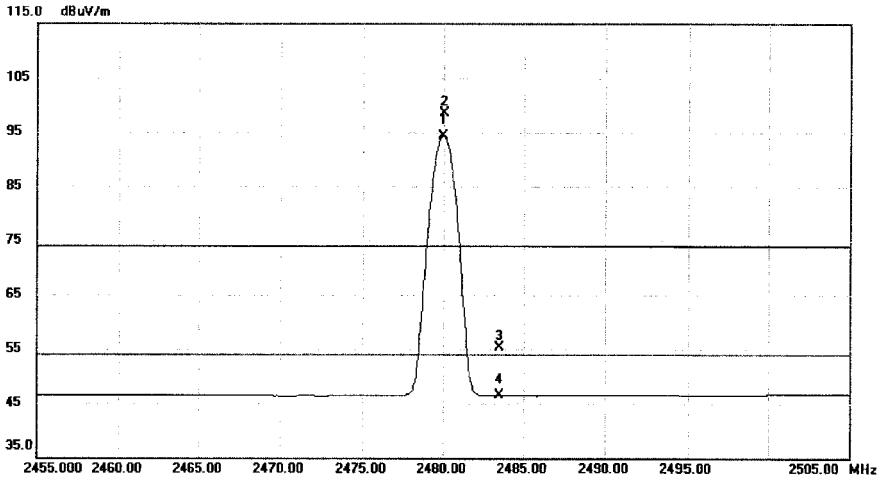
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_1M_2480

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BANDEDGE Data :#10 Date: 2017-2-14 Time: 21:24:55



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2479.975	60.93	33.39	94.32	54.00	40.32	AVG	No Limit
2	X	2480.000	65.08	33.39	98.47	74.00	24.47	peak	No Limit
3		2483.500	21.80	33.40	55.20	74.00	-18.80	peak	
4		2483.500	13.05	33.40	46.45	54.00	-7.55	AVG	

*:Maximum data x:Over limit !:over margin (Reference Only

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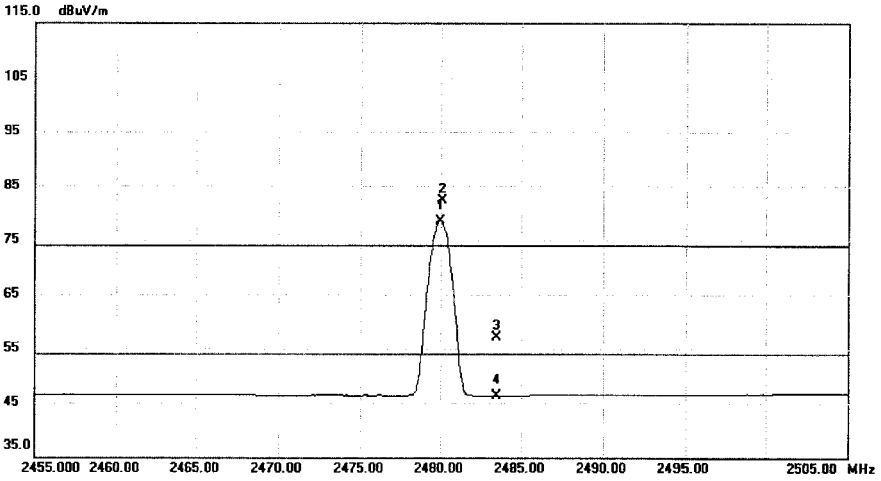
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_1M_2480

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BANDEDGE Data :#3 Date: 2017-2-14 Time: 21:09:24



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2479.975	45.21	33.39	78.60	54.00	24.60	AVG	No Limit
2	X	2480.100	48.96	33.39	82.35	74.00	8.35	peak	No Limit
3		2483.500	23.70	33.40	57.10	74.00	-16.90	peak	
4		2483.500	12.99	33.40	46.39	54.00	-7.61	AVG	

*:Maximum data x:Over limit !:over margin (Reference Only

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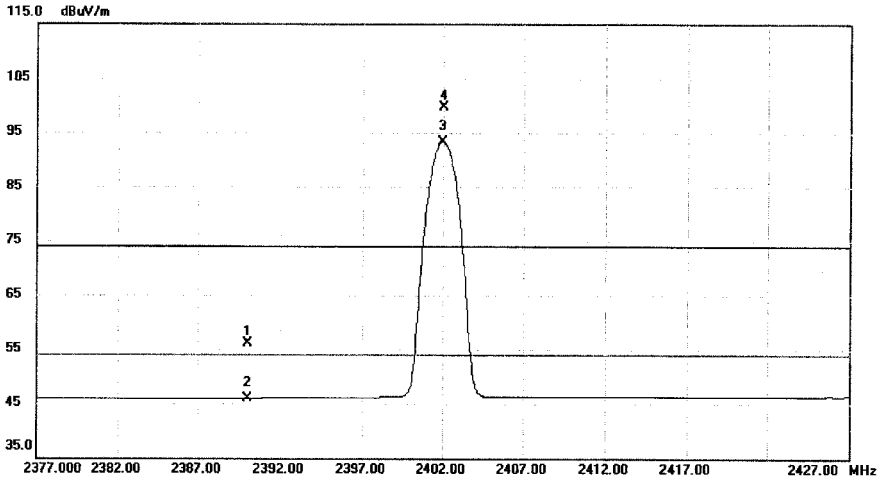
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_3M_2402

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BANDEDGE Data :#7 Date: 2017-2-14 Time: 21:20:24



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	23.05	33.01	56.06	74.00	-17.94	peak	
2		2390.000	12.98	33.01	45.99	54.00	-8.01	AVG	
3	*	2401.975	60.33	33.06	93.39	54.00	39.39	AVG	No Limit
4	X	2402.000	66.67	33.06	99.73	74.00	25.73	peak	No Limit

*:Maximum data x:Over limit !:over margin (Reference Only

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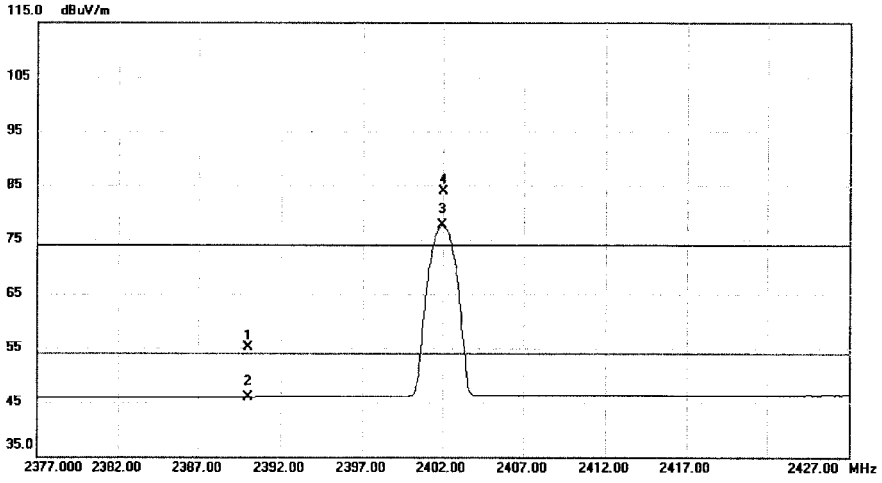
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_3M_2402

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BANDEDGE Data :#6 Date: 2017-2-14 Time: 21:15:38



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	22.09	33.01	55.10	74.00	-18.90	peak	
2		2390.000	12.98	33.01	45.99	54.00	-8.01	AVG	
3	*	2401.975	44.57	33.06	77.63	54.00	23.63	AVG	No Limit
4	X	2402.000	50.92	33.06	83.98	74.00	9.98	peak	No Limit

*:Maximum data x:Over limit !:over margin 〈Reference Only

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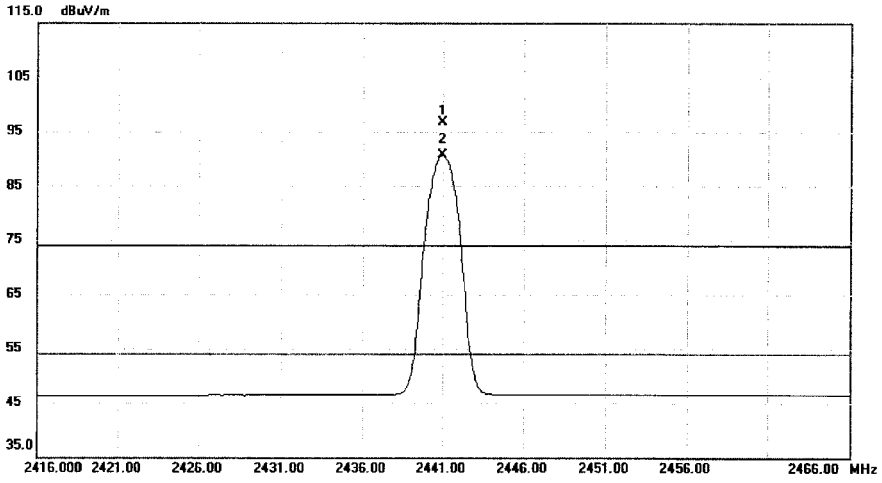
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_3M_2441

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BANDEDGE Data :#8 Date: 2017-2-14 Time: 21:21:42



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2440.975	63.56	33.22	96.78	74.00	22.78	peak	No Limit
2	*	2440.975	57.44	33.22	90.66	54.00	36.66	AVG	No Limit

*:Maximum data x:Over limit !:over margin 〈Reference Only

File :FCCP_BANDEDGE\Data :#8 *Page: 1* Test engineer : Welly

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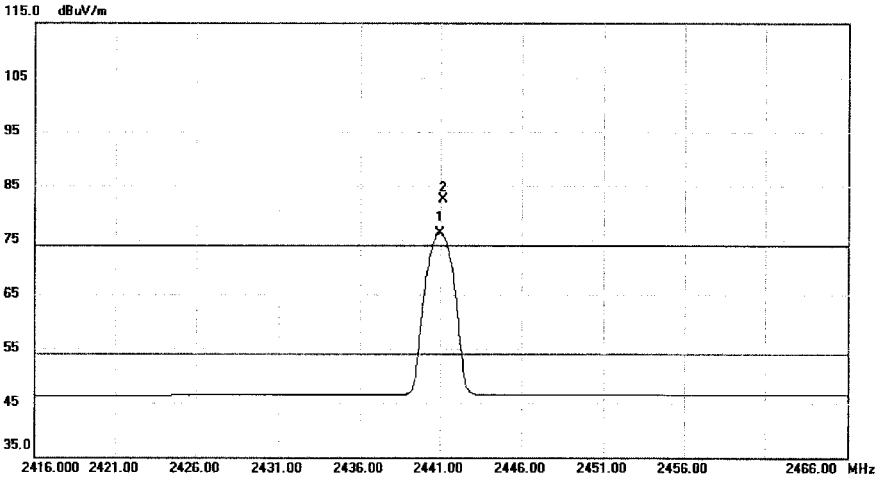
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_3M_2441

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BANDEDGE Data :#5 Date: 2017-2-14 Time: 21:14:12



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2440.975	43.04	33.22	76.26	54.00	22.26	AVG	No Limit
2	X	2441.150	49.21	33.22	82.43	74.00	8.43	peak	No Limit

*:Maximum data x:Over limit !:over margin (Reference Only

File :FCCP_BANDEDGE\Data :#5 *Page: 1* Test engineer : Welly

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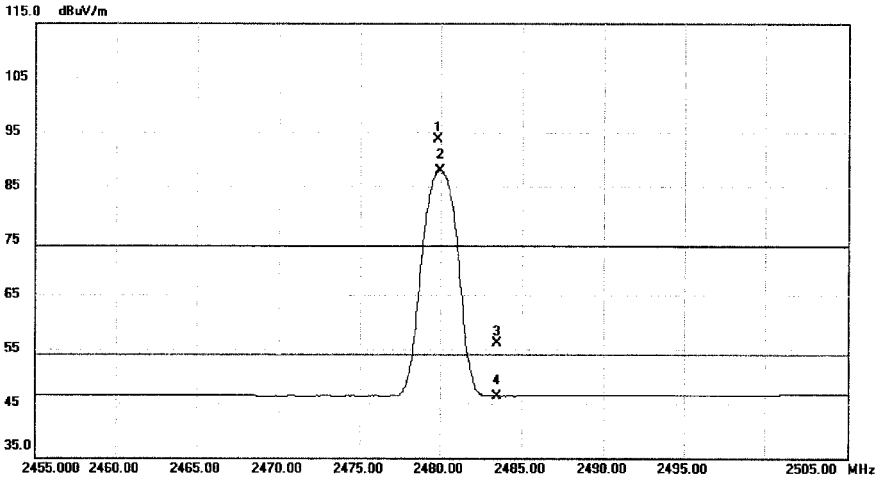
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_3M_2480

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BANDEDGE Data :#9 Date: 2017-2-14 Time: 21:23:05



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2479.825	60.38	33.39	93.77	74.00	19.77	peak	No Limit
2	*	2479.975	54.58	33.39	87.97	54.00	33.97	AVG	No Limit
3		2483.500	22.64	33.40	56.04	74.00	-17.96	peak	
4		2483.500	13.00	33.40	46.40	54.00	-7.60	AVG	

*:Maximum data x:Over limit !:over margin (Reference Only

File :FCCP_BANDEDGE\Data :#9 *Page: 1* Test engineer : Welly

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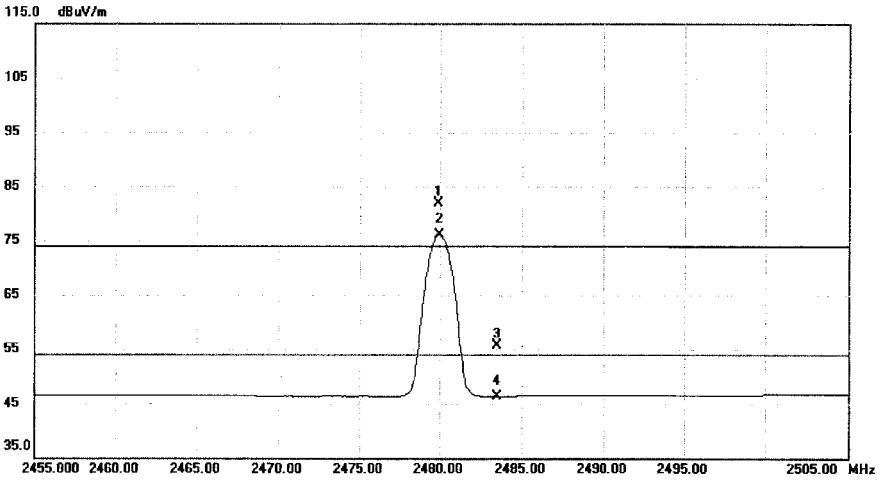
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: *Vertical*
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_3M_2480

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BANDEDGE Data :#4 Date: 2017-2-14 Time: 21:12:32



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2479.925	48.58	33.39	81.97	74.00	7.97	peak	No Limit
2	*	2479.975	42.72	33.39	76.11	54.00	22.11	AVG	No Limit
3		2483.500	22.35	33.40	55.75	74.00	-18.25	peak	
4		2483.500	12.99	33.40	46.39	54.00	-7.61	AVG	

*:Maximum data x:Over limit !:over margin (Reference Only

Test Plot of Low Energy

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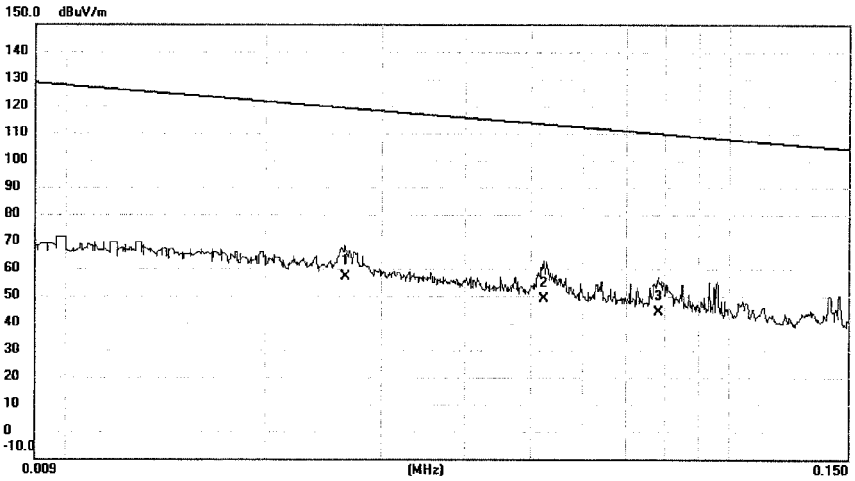
Site: DG-CB01
Limit: FCC 15.209_3m(QP&AVG)_new
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization:
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_0_1

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_9KTO30M Data :#1 Date: 2017-1-18 Time: 15:01:07



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0264	34.20	22.73	56.93	119.17	-62.24	AVG	
2		0.0524	29.30	19.79	49.09	113.22	-64.13	AVG	
3		0.0781	24.80	19.39	44.19	109.75	-65.56	AVG	

*:Maximum data x:Over limit !:over margin (Reference Only

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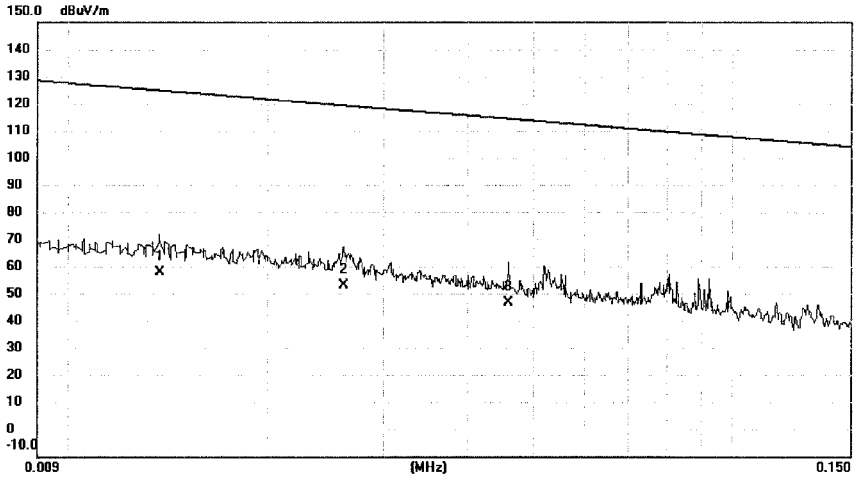
Site: DG-CB01
Limit: FCC 15.209_3m(QP&AVG)_new
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization:
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_90_1

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_9KTO30M Data :#3 Date: 2017-1-18 Time: 15:11:14



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0138	33.90	23.89	57.79	124.81	-67.02	AVG	
2	*	0.0261	30.10	22.77	52.87	119.27	-66.40	AVG	
3		0.0460	26.10	20.31	46.41	114.35	-67.94	AVG	

*:Maximum data x:Over limit !:over margin 〈Reference Only

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www.newbtl.com

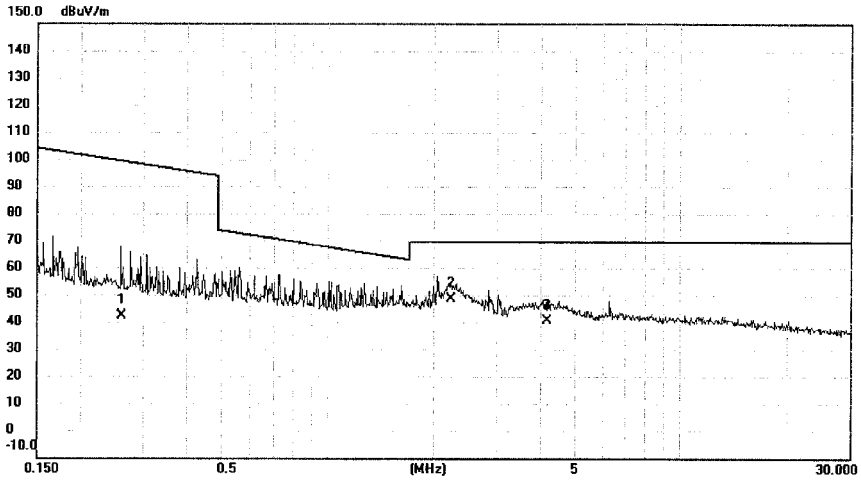
Site: DG-CB01
Limit: FCC 15.209_3m(QP&AVG)_new
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization:
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_0_2

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_9KTO30M Data :#2 Date: 2017-1-18 Time: 15:04:11



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2603	23.60	18.64	42.24	99.30	-57.06	AVG	
2	*	2.2367	31.10	17.60	48.70	69.54	-20.84	QP	
3		4.1574	22.00	18.43	40.43	69.54	-29.11	QP	

*:Maximum data x:Over limit !:over margin (Reference Only

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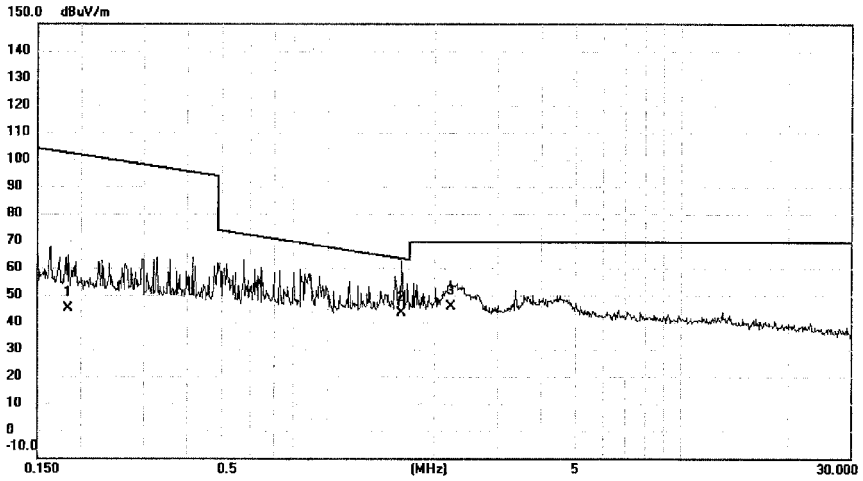
Site: DG-CB01
Limit: FCC 15.209_3m(QP&AVG)_new
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization:
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_90_2

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_9KTO30M Data :#4 Date: 2017-1-18 Time: 15:07:54



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1835	26.20	18.71	44.91	102.33	-57.42	AVG	
2	*	1.6190	25.60	17.82	43.42	63.42	-20.00	QP	
3		2.2132	28.00	17.63	45.63	69.54	-23.91	QP	

*:Maximum data x:Over limit !:over margin (Reference Only

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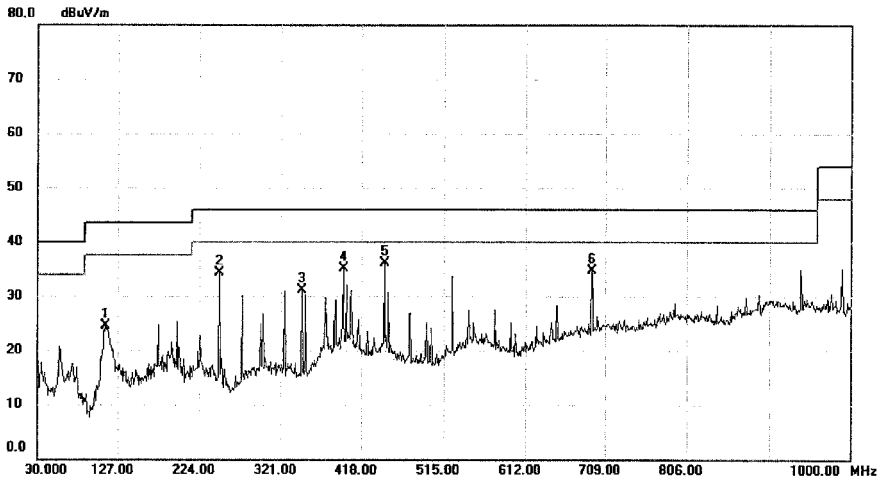
Site: DG-CB03
Limit: FCC Class B 3m Radiation
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_2402

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BELOW1G_1 Data :#6 Date: 2017-2-14 Time: 20:27:51



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		111.480	38.96	-14.48	24.48	43.50	-19.02	peak	
2		247.280	48.33	-14.08	34.25	46.00	-11.75	peak	
3		346.705	42.34	-11.15	31.19	46.00	-14.81	peak	
4		396.175	43.12	-8.04	35.08	46.00	-10.92	peak	
5	*	445.645	43.99	-7.98	36.01	46.00	-9.99	peak	
6		692.995	37.04	-2.39	34.65	46.00	-11.35	peak	

*:Maximum data x:Over limit !:over margin 〈Reference Only

File :FCCP_BELOW1G_1\Data :#6 *Page: 1* Test engineer : Welly

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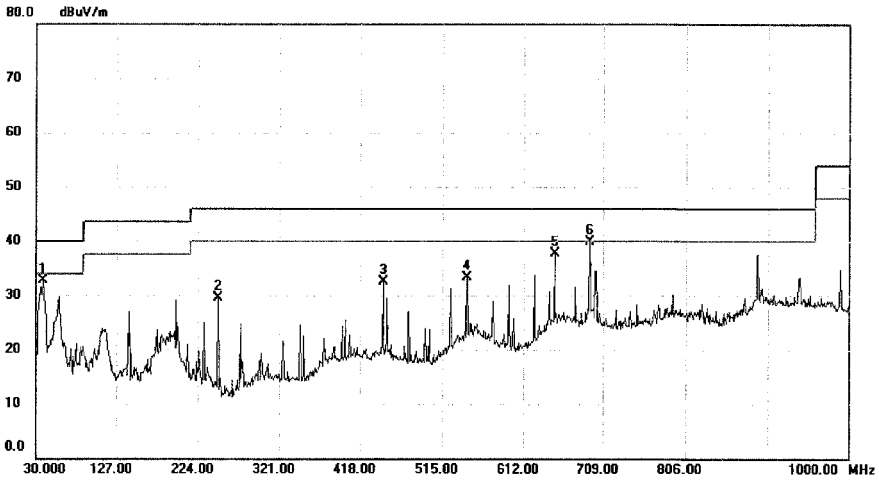
Site: DG-CB03
Limit: FCC Class B 3m Radiation
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_2402

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BELOW1G_1 Data :#1 Date: 2017-2-14 Time: 20:13:18



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		38.730	46.84	-14.06	32.78	40.00	-7.22	peak	
2		247.765	43.57	-14.10	29.47	46.00	-16.53	peak	
3		445.645	40.42	-7.98	32.44	46.00	-13.56	peak	
4		544.585	38.40	-5.10	33.30	46.00	-12.70	peak	
5		649.830	41.98	-4.19	37.79	46.00	-8.21	peak	
6	*	692.995	42.29	-2.39	39.90	46.00	-6.10	peak	

*:Maximum data x:Over limit !:over margin (Reference Only

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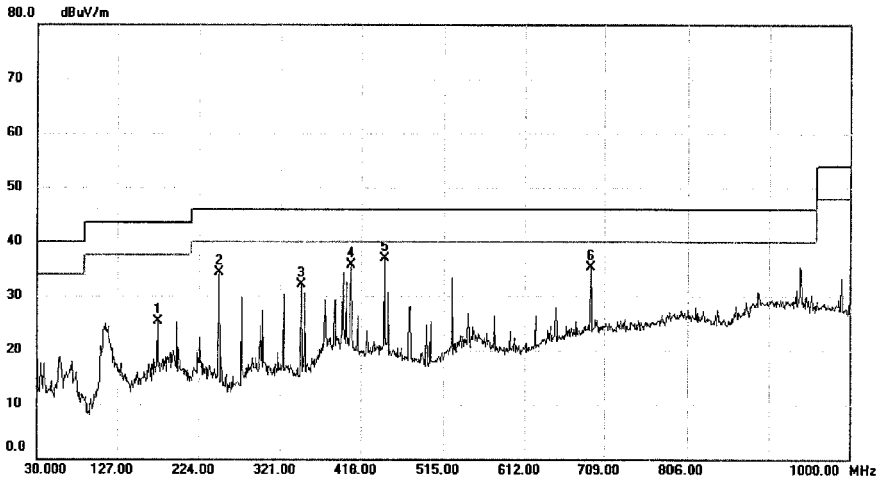
Site: DG-CB03
Limit: FCC Class B 3m Radiation
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_2440

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BELOW1G_1 Data :#5 Date: 2017-2-14 Time: 20:24:49



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		175.015	37.77	-12.54	25.23	43.50	-18.27	peak	
2		247.280	48.45	-14.08	34.37	46.00	-11.63	peak	
3		346.705	43.22	-11.15	32.07	46.00	-13.93	peak	
4		405.390	43.41	-7.80	35.61	46.00	-10.39	peak	
5	*	445.645	44.92	-7.98	36.94	46.00	-9.06	peak	
6		692.995	37.78	-2.39	35.39	46.00	-10.61	peak	

*:Maximum data x:Over limit !:over margin (Reference Only

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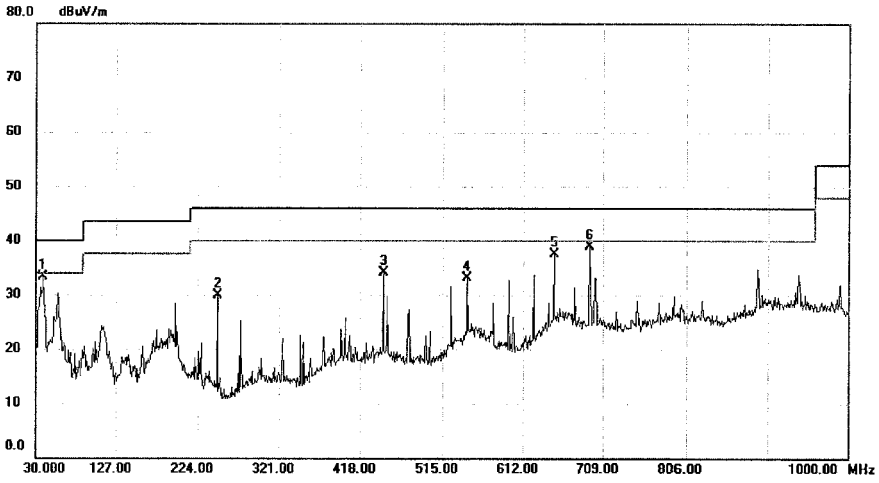
Site: DG-CB03
Limit: FCC Class B 3m Radiation
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_2440

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BELOW1G_1 Data :#2 Date: 2017-2-14 Time: 20:15:04



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	38.730	47.27	-14.06	33.21	40.00	-6.79	peak	
2		247.280	44.01	-14.08	29.93	46.00	-16.07	peak	
3		445.645	42.01	-7.98	34.03	46.00	-11.97	peak	
4		544.585	38.15	-5.10	33.05	46.00	-12.95	peak	
5		649.830	41.76	-4.19	37.57	46.00	-8.43	peak	
6		692.995	41.35	-2.39	38.96	46.00	-7.04	peak	

*:Maximum data x:Over limit !:over margin (Reference Only

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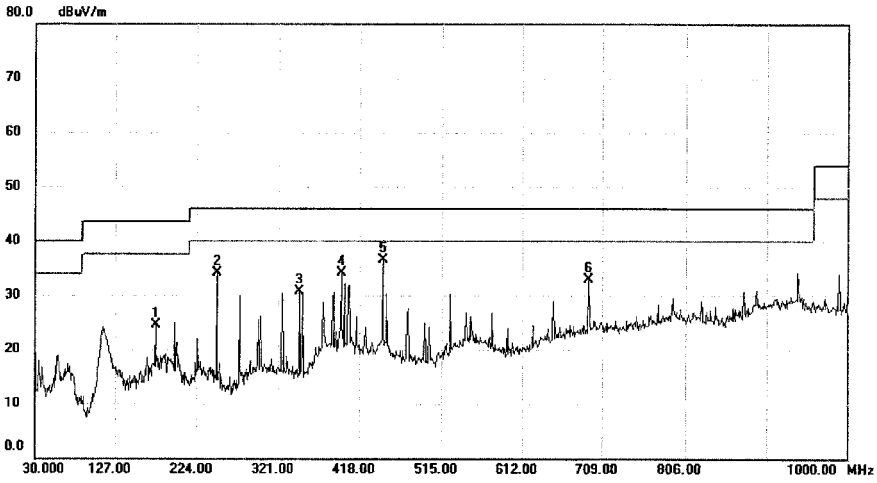
Site: DG-CB03
Limit: FCC Class B 3m Radiation
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_2480

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BELOW1G_1 Data :#4 Date: 2017-2-14 Time: 20:20:41



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		175.015	37.13	-12.54	24.59	43.50	-18.91	peak	
2		247.280	48.23	-14.08	34.15	46.00	-11.85	peak	
3		346.705	41.88	-11.15	30.73	46.00	-15.27	peak	
4		396.175	42.11	-8.04	34.07	46.00	-11.93	peak	
5	*	445.645	44.51	-7.98	36.53	46.00	-9.47	peak	
6		692.995	35.21	-2.39	32.82	46.00	-13.18	peak	

*:Maximum data x:Over limit !:over margin (Reference Only

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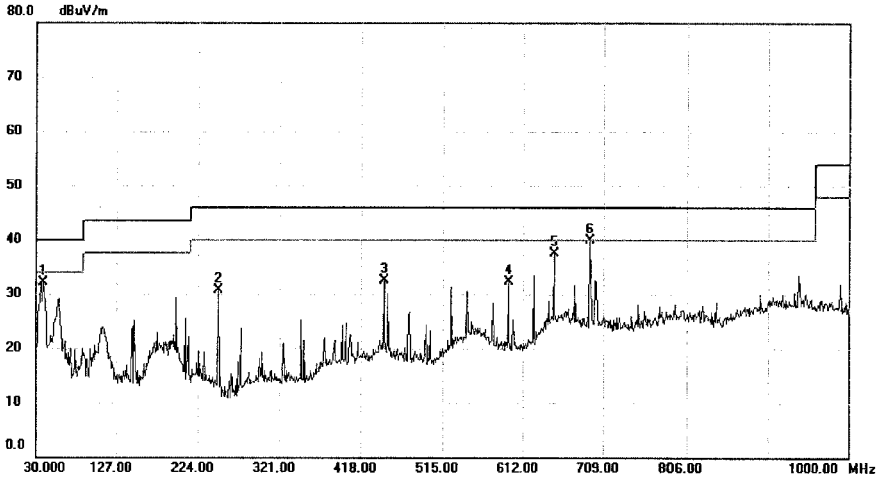
Site: DG-CB03
Limit: FCC Class B 3m Radiation
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_2480

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BELOW1G_1 Data :#3 Date: 2017-2-14 Time: 20:17:48



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		38.730	46.24	-14.06	32.18	40.00	-7.82	peak	
2		247.765	44.86	-14.10	30.76	46.00	-15.24	peak	
3		445.645	40.39	-7.98	32.41	46.00	-13.59	peak	
4		594.055	39.08	-6.76	32.32	46.00	-13.68	peak	
5		649.830	41.78	-4.19	37.59	46.00	-8.41	peak	
6	*	692.995	42.38	-2.39	39.99	46.00	-6.01	peak	

*:Maximum data x:Over limit !:over margin (Reference Only

File :FCCP_BELOW1G_1\Data :#3 *Page: 1* Test engineer : Welly

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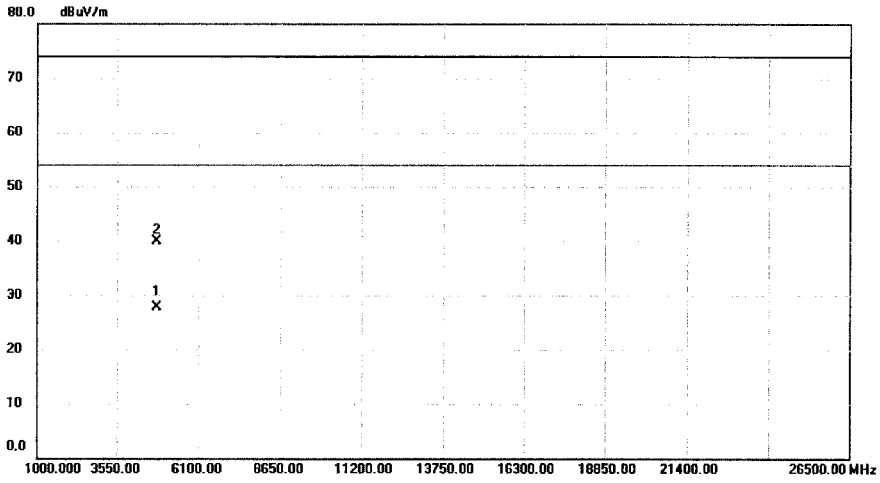
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_2402

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_ABOVE1G Data :#6 Date: 2017-2-15 Time: 20:39:50



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4803.460	22.90	4.77	27.67	54.00	-26.33	AVG	
2		4803.715	35.13	4.77	39.90	74.00	-34.10	peak	

*:Maximum data x:Over limit !:over margin (Reference Only

File :FCCP_ABOVE1G\Data :#6 *Page: 1* Test engineer : Welly

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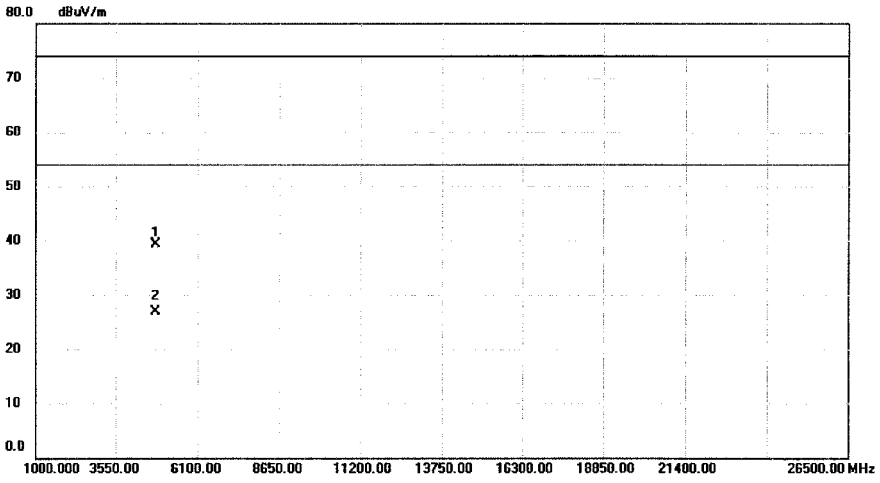
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_2402

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_ABOVE1G Data :#1 Date: 2017-2-15 Time: 20:27:31



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4804.573	34.57	4.78	39.35	74.00	-34.65	peak	
2	*	4805.748	22.20	4.77	26.97	54.00	-27.03	AVG	

*:Maximum data x:Over limit !:over margin ⟨Reference Only

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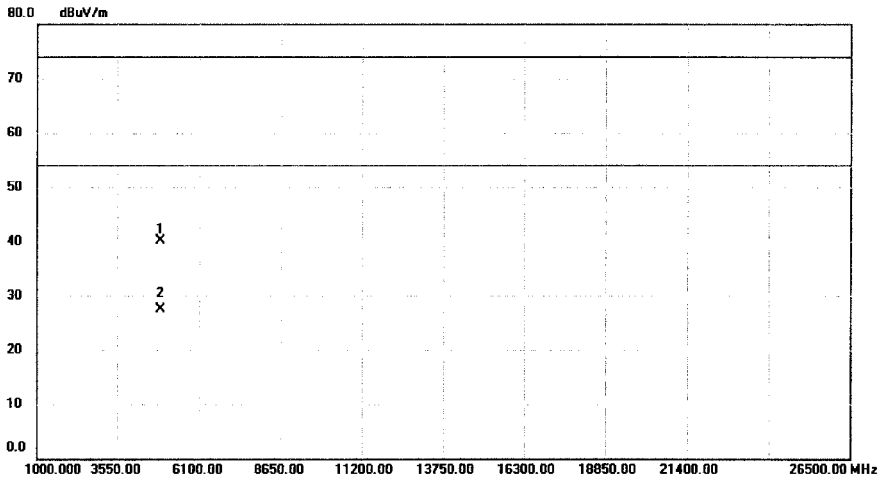
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_2440

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_ABOVE1G Data :#5 Date: 2017-2-15 Time: 20:38:40



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4881.033	35.01	5.10	40.11	74.00	-33.89	peak	
2	*	4881.038	22.49	5.10	27.59	54.00	-26.41	AVG	

*:Maximum data x:Over limit !:over margin (Reference Only

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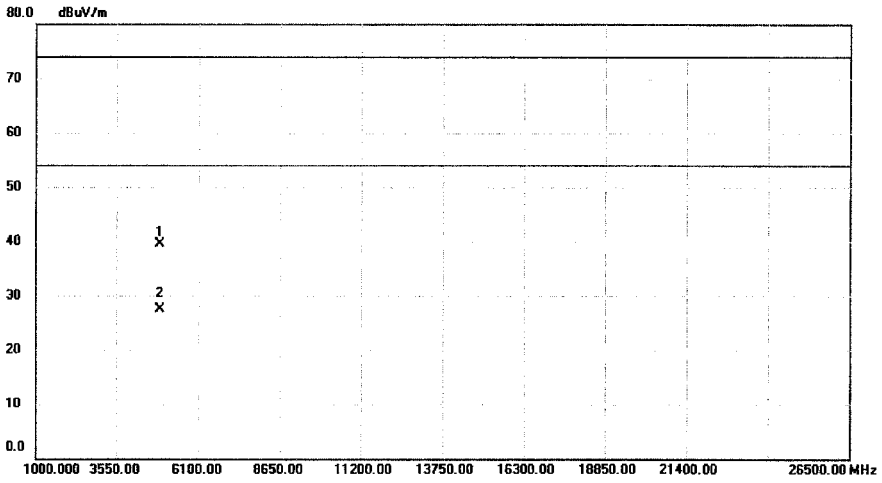
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_2440

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_ABOVE1G Data :#2 Date: 2017-2-15 Time: 20:32:51



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4879.645	34.45	5.09	39.54	74.00	-34.46	peak	
2	*	4880.007	22.37	5.09	27.46	54.00	-26.54	AVG	

*:Maximum data x:Over limit !:over margin 〈Reference Only

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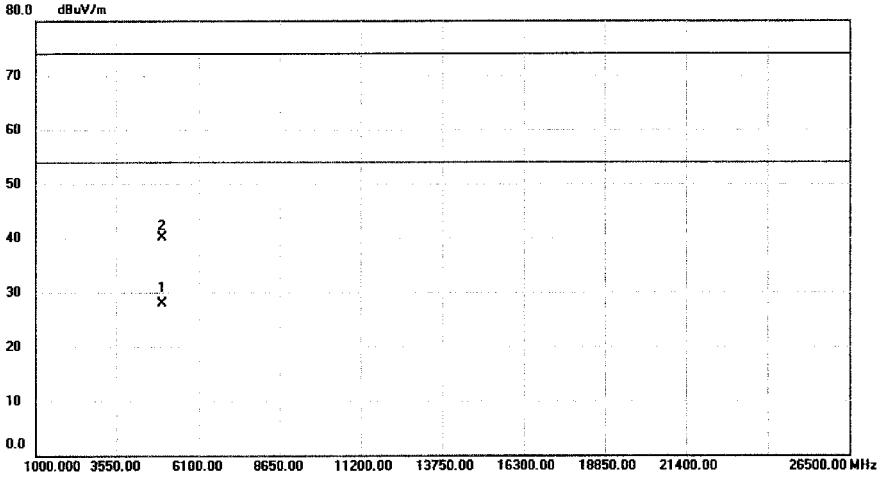
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_2480

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_ABOVE1G Data :#4 Date: 2017-2-15 Time: 20:35:39



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4957.578	22.45	5.43	27.88	54.00	-26.12	AVG	
2		4961.355	34.74	5.44	40.18	74.00	-33.82	peak	

*:Maximum data x:Over limit !:over margin (Reference Only

File :FCCP_ABOVE1G\Data :#4 *Page: 1* Test engineer : Welly

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www.newbtl.com

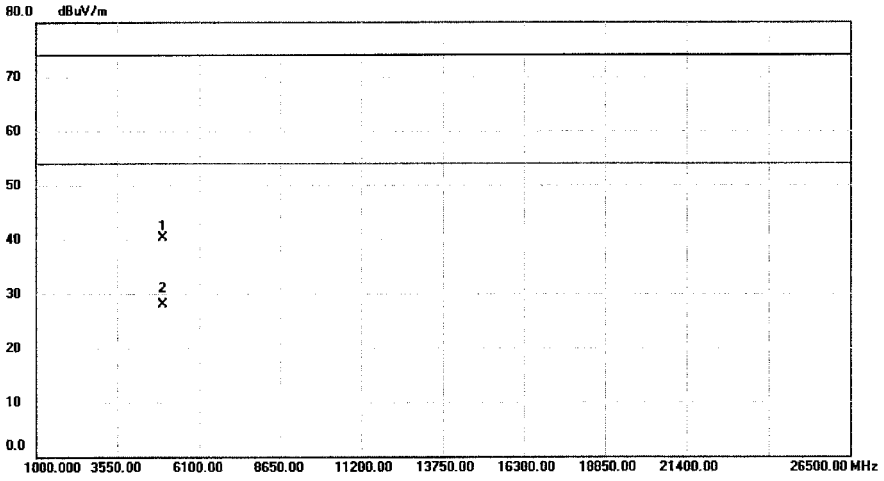
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_2480

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_ABOVE1G Data :#3 Date: 2017-2-15 Time: 20:34:02



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4957.677	34.85	5.43	40.28	74.00	-33.72	peak	
2	*	4959.667	22.75	5.43	28.18	54.00	-25.82	AVG	

*:Maximum data x:Over limit !:over margin 〈Reference Only

Test Plot of Band Edge of Low Energy

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Tel: (0769)-8318-3000 Fax:(0769)-8319-6000 Post Code: 523792
www.newbtl.com

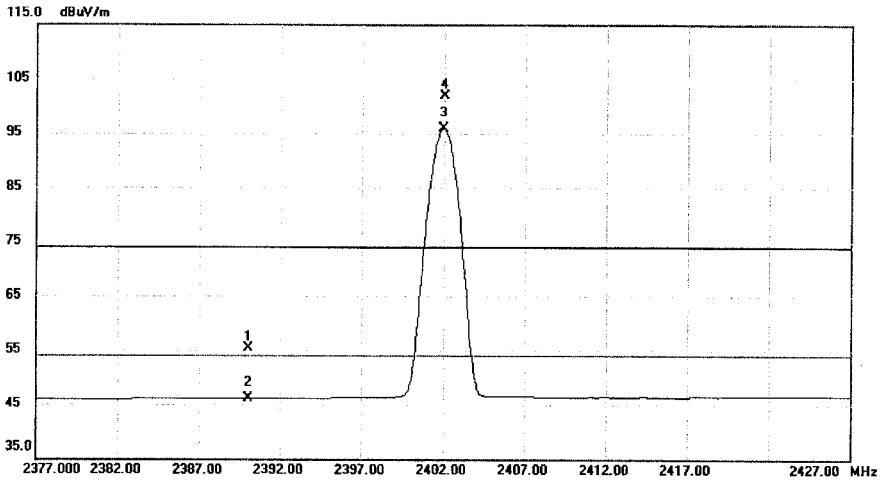
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_2402

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BANDEDGE Data :#1 Date: 2017-2-14 Time: 20:49:06



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	22.30	33.01	55.31	74.00	-18.69	peak	
2		2390.000	13.07	33.01	46.08	54.00	-7.92	AVG	
3	*	2401.975	62.88	33.06	95.94	54.00	41.94	AVG	No Limit
4	X	2402.000	68.91	33.06	101.97	74.00	27.97	peak	No Limit

*:Maximum data x:Over limit !:over margin 〈Reference Only

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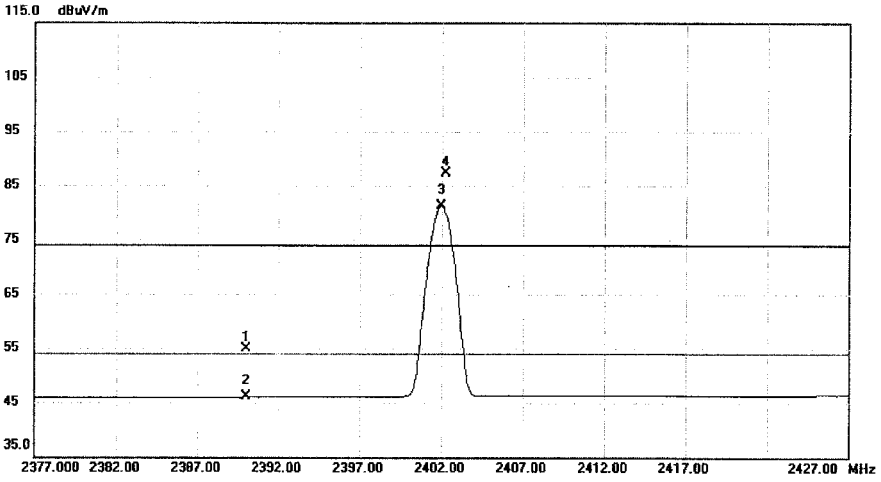
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_2402

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BANDEDGE Data :#6 Date: 2017-2-14 Time: 20:59:54



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	21.93	33.01	54.94	74.00	-19.06	peak	
2		2390.000	13.01	33.01	46.02	54.00	-7.98	AVG	
3	*	2401.975	48.18	33.06	81.24	54.00	27.24	AVG	No Limit
4	X	2402.250	54.32	33.06	87.38	74.00	13.38	peak	No Limit

*:Maximum data x:Over limit !:over margin 〈Reference Only

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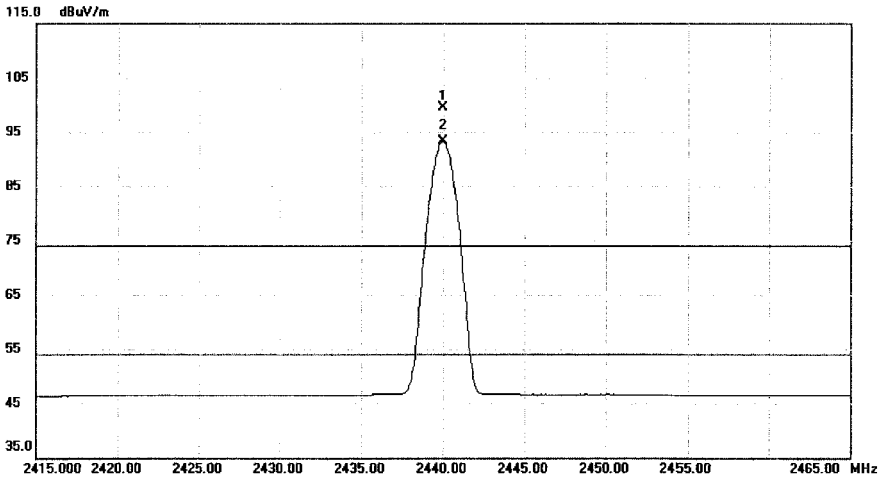
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_2440

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BANDEDGE Data :#2 Date: 2017-2-14 Time: 20:50:52



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2439.975	66.30	33.22	99.52	74.00	25.52	peak	No Limit
2	*	2439.975	60.07	33.22	93.29	54.00	39.29	AVG	No Limit

*:Maximum data x:Over limit !:over margin (Reference Only

File :FCCP_BANDEDGE\Data :#2 *Page: 1* Test engineer : Welly

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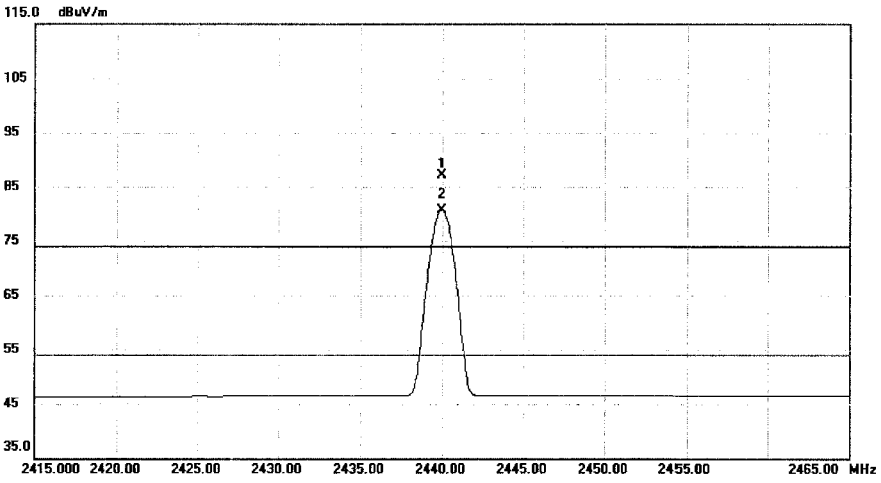
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_2440

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BANDEDGE Data :#5 Date: 2017-2-14 Time: 20:58:29



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2439.950	53.79	33.22	87.01	74.00	13.01	peak	No Limit
2	*	2439.975	47.55	33.22	80.77	54.00	26.77	AVG	No Limit

*:Maximum data x:Over limit !:over margin (Reference Only

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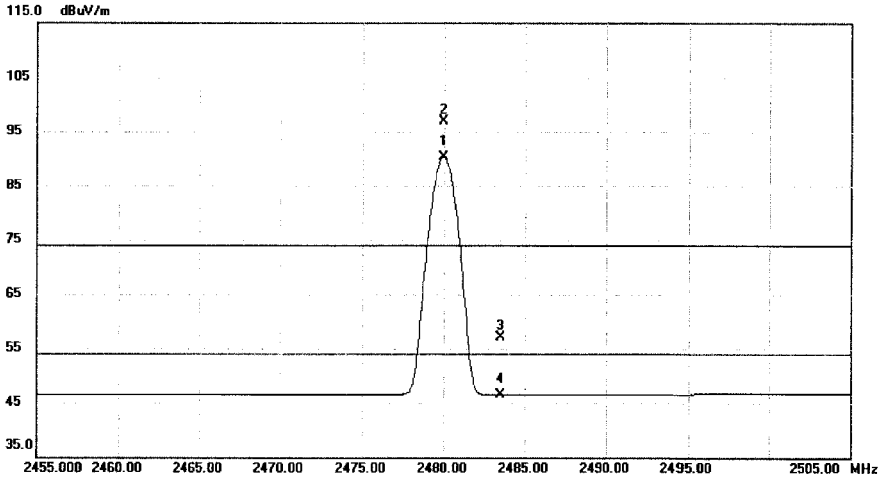
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Horizontal***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_2480

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BANDEDGE Data :#3 Date: 2017-2-14 Time: 20:52:34



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2479.950	56.99	33.39	90.38	54.00	36.38	AVG	No Limit
2	X	2479.975	63.44	33.39	96.83	74.00	22.83	peak	No Limit
3		2483.500	23.64	33.40	57.04	74.00	-16.96	peak	
4		2483.500	13.10	33.40	46.50	54.00	-7.50	AVG	

*:Maximum data x:Over limit !:over margin (Reference Only

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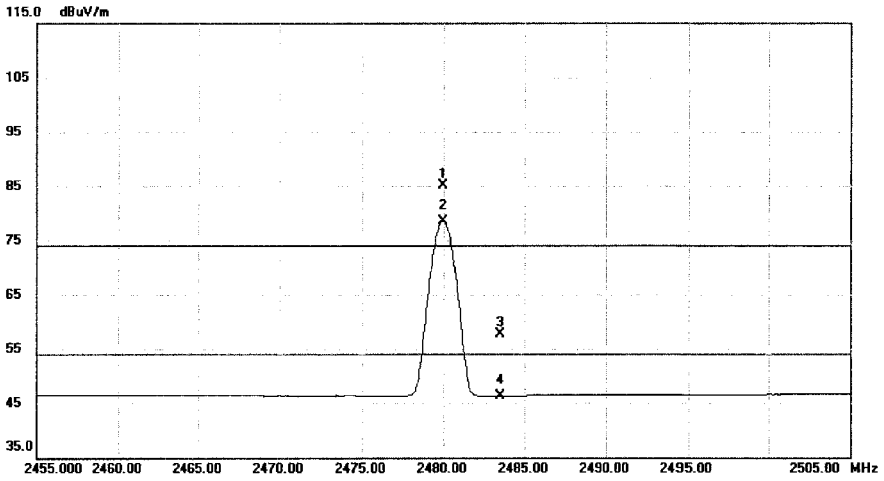
Site: DG-CB03
Limit: FCC RF_15.247_3M_(Peak)
EUT: Smart Media Phone
M/N: SIP-T58V
Note:

Polarization: ***Vertical***
Power: AC 120V/60Hz
Distance: 3m
Mode: TX_2480

Temperature: 25 (C)
Humidity: 60 %

Radiated Emission Measurement

File :FCCP_BANDEDGE Data :#4 Date: 2017-2-14 Time: 20:56:52



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2479.975	51.62	33.39	85.01	74.00	11.01	peak	No Limit
2	*	2479.975	45.20	33.39	78.59	54.00	24.59	AVG	No Limit
3		2483.500	24.22	33.40	57.62	74.00	-16.38	peak	
4		2483.500	13.00	33.40	46.40	54.00	-7.60	AVG	

*:Maximum data x:Over limit !:over margin 〈Reference Only

File :FCCP_BANDEDGE\Data :#4 *Page: 1* Test engineer : Welly

5.1.8 Frequency Separation

RESULT: **Pass**

Date of testing	:	2017-02-24
Test standard	:	FCC part 15.247(a)(1) RSS-247 clause 5.1(2)
Basic standard	:	ANSI C63.10: 2013
Limit	:	≥ 25kHz or two-thirds of 20dB bandwidth, whichever is greater
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a
Ambient temperature	:	25℃
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

Table 14: Test result of Frequency Separation of BDR

Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Low Channel	2402	1.012	0.673	Pass
Adjacency Channel	2403			
Mid Channel	2441	1.002	0.618	Pass
Adjacency Channel	2442			
High Channel	2479	0.936	0.675	Pass
Adjacency Channel	2480			

Table 15: Test result of Frequency Separation of EDR

Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Low Channel	2402	1.102	0.871	Pass
Adjacency Channel	2403			
Mid Channel	2441	1.010	0.883	Pass
Adjacency Channel	2442			
High Channel	2479	1.080	0.883	Pass
Adjacency Channel	2480			

5.1.9 Number of hopping frequency

RESULT: **Pass**

Date of testing	:	2017-02-24
Test standard	:	FCC part 15.247(a)(1)(iii) RSS-247 clause 5.1(4)
Basic standard	:	ANSI C63.10: 2013
Limits	:	≥ 15 non-overlapping channels
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a
Ambient temperature	:	25℃
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

Table 16: Test result of Number of hopping frequency

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
2402 to 2480MHz	79	≥15	Pass

5.1.10 Time of Occupancy

RESULT: **Pass**

Date of testing	:	2017-02-24
Test standard	:	FCC part 15.247(a)(1)(iii) RSS-247 clause 5.1(4)
Basic standard	:	ANSI C63.10: 2013
Limits	:	0.4s
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a
Ambient temperature	:	25℃
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

Table 17: Test result of Time of Occupancy of BDR

Data Packet	Frequency	Pulse Duration (ms)	Dwell Time (s)	Limits (s)	Test Result
DH5	2402MHz	2.9200	0.3115	0.4000	Paass
DH3	2402MHz	1.6600	0.2656	0.4000	Paass
DH1	2402MHz	0.3850	0.1232	0.4000	Paass
DH5	2441MHz	2.9200	0.3115	0.4000	Paass
DH3	2441MHz	1.6600	0.2656	0.4000	Paass
DH1	2441MHz	0.3850	0.1232	0.4000	Paass
DH5	2480MHz	2.8800	0.3072	0.4000	Paass
DH3	2480MHz	1.6600	0.2656	0.4000	Paass
DH1	2480MHz	0.3900	0.1248	0.4000	Paass

Table 18: Test result of Time of Occupancy of EDR

Data Packet	Frequency	Pulse Duration (ms)	Dwell Time (s)	Limits (s)	Test Result
DH5	2402MHz	2.8800	0.3072	0.4000	Paass
DH3	2402MHz	1.6800	0.2688	0.4000	Paass
DH1	2402MHz	0.3900	0.1248	0.4000	Paass
DH5	2441MHz	2.9200	0.3115	0.4000	Paass
DH3	2441MHz	1.6400	0.2624	0.4000	Paass
DH1	2441MHz	0.3900	0.1248	0.4000	Paass
DH5	2480MHz	2.9200	0.3115	0.4000	Paass
DH3	2480MHz	1.6400	0.2624	0.4000	Paass
DH1	2480MHz	0.3900	0.1248	0.4000	Paass

5.1.11 Conducted emissions

RESULT: **Pass**

Date of testing	:	2017-01-18
Test standard	:	FCC Part 15.207 RSS-Gen Clause 8.8
Basic standard	:	ANSI C63.10: 2013
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.207 Table 3 of RSS-Gen
Kind of test site	:	Shield room

Test setup

Input Voltage	:	AC 120V, 60Hz
Operation Mode	:	A
Earthing	:	Not Connected
Ambient temperature	:	24℃
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

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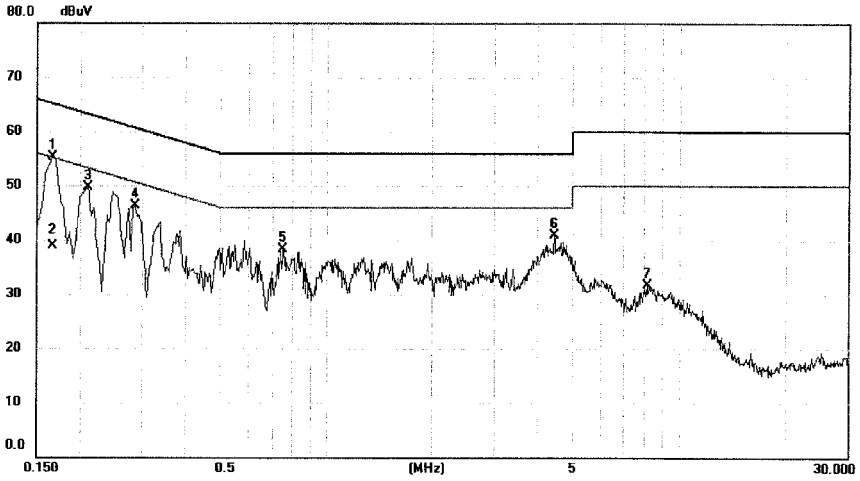
Site: DG-C02 | Phase: *L1* | Temperature: 24 (C)
Limit: FCC Class B Conduction(QP) | Power: AC 120V/60Hz | Humidity: 60 %
EUT: Smart Media Phone | Distance:
M/N: SIP-T58V | Mode: TX
Note:

Conducted Emission Measurement

File :FCCP_COND_1 Data :#1 Date: 2017-1-18 Time: 9:45:50



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1660	45.75	9.57	55.32	65.16	-9.84	peak	
2		0.1660	29.43	9.57	39.00	55.16	-16.16	AVG	
3		0.2100	40.14	9.57	49.71	63.21	-13.50	peak	
4		0.2860	36.63	9.58	46.21	60.64	-14.43	peak	
5		0.7500	28.60	9.76	38.36	56.00	-17.64	peak	
6		4.4460	30.52	10.32	40.84	56.00	-15.16	peak	
7		8.1340	21.23	10.43	31.66	60.00	-28.34	peak	

*:Maximum data x:Over limit !:over margin 〈Reference Only

File :FCCP_COND_1\Data :#1 *Page: 1* Test engineer : Winnie

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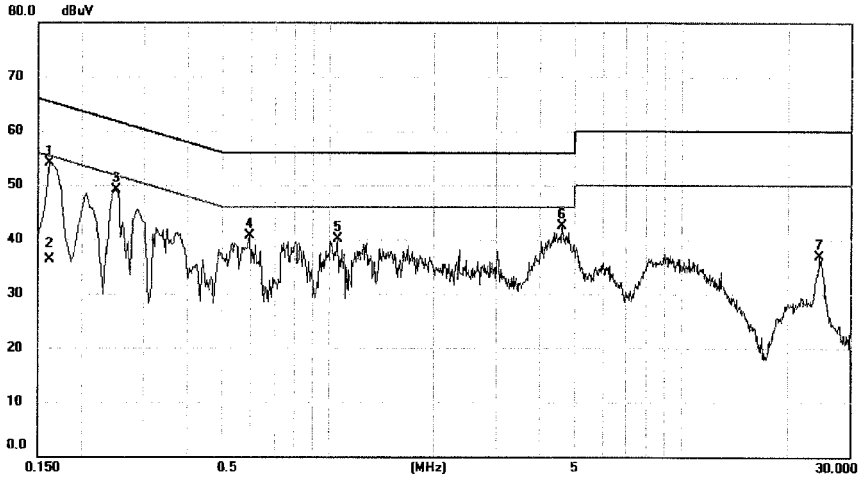
Site:	DG-C02	Phase:	*N*	Temperature:	24 (C)
Limit:	FCC Class B Conduction(QP)	Power:	AC 120V/60Hz	Humidity:	60 %
EUT:	Smart Media Phone	Distance:			
M/N:	SIP-T58V	Mode:	TX		
Note:					

Conducted Emission Measurement

File :FCCP_COND_1 Data :#2 Date: 2017-1-18 Time: 9:48:44



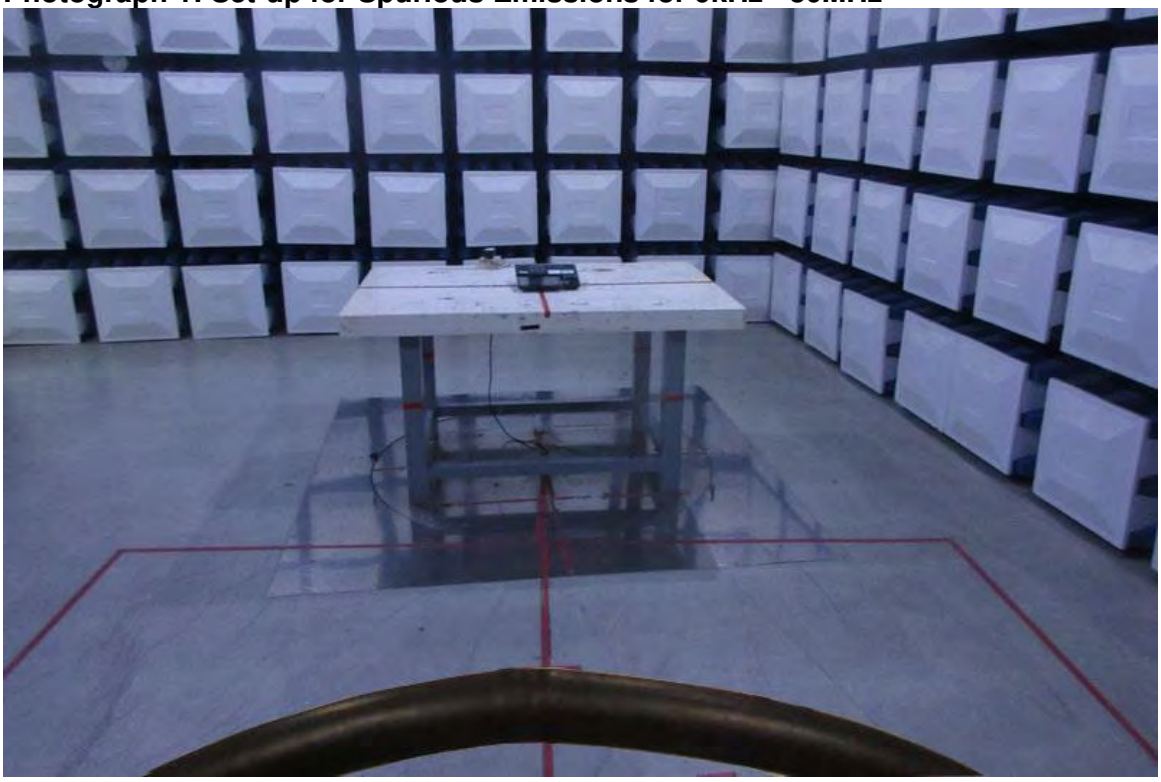
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1620	44.67	9.51	54.18	65.36	-11.18	peak	
2		0.1620	26.70	9.51	36.21	55.36	-19.15	AVG	
3		0.2500	39.56	9.57	49.13	61.76	-12.63	peak	
4		0.5980	31.16	9.50	40.66	56.00	-15.34	peak	
5		1.0580	30.46	9.74	40.20	56.00	-15.80	peak	
6		4.5980	32.25	10.18	42.43	56.00	-13.57	peak	
7		24.5780	25.91	10.98	36.89	60.00	-23.11	peak	

*:Maximum data x:Over limit !:over margin 〈Reference Only

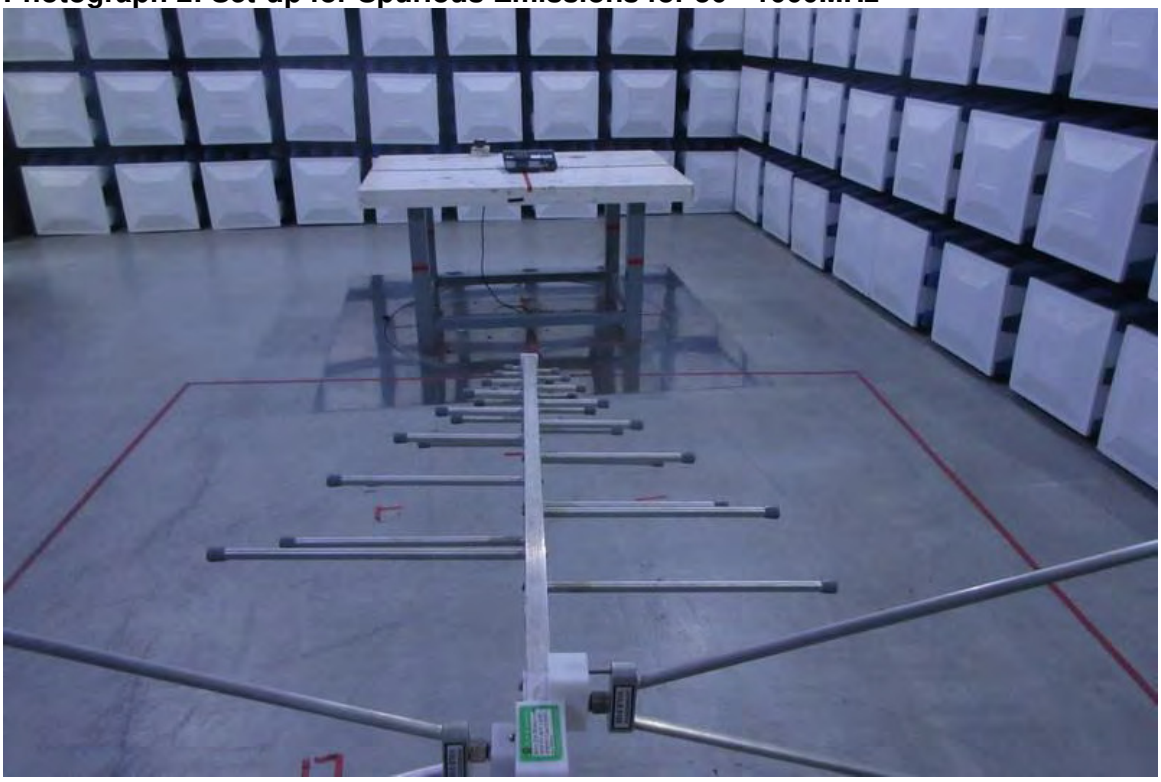
File :FCCP_COND_1\Data :#2 *Page: 1* Test engineer : Winnie

6. Photographs of the Test Set-Up

Photograph 1: Set-up for Spurious Emissions for 9kHz - 30MHz



Photograph 2: Set-up for Spurious Emissions for 30 - 1000MHz



Photograph 3: Set-up for Spurious Emissions for 1 - 26.5GHz

Photograph 4: Set-up for Spurious Conducted Emissions

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