

FCC Test Report

(PART 22)

Report No.: RF150722C10A-6

FCC ID: 2AFD7-P3302

Test Model: P3302

Received Date: Jul. 22, 2015

Test Date: Sep. 15, 2015 ~ Sep. 30, 2015

Issued Date: Oct. 06, 2015

Applicant: Poynt Co.

Address: 490 S California Avenue Suite 200 Palo Alto, CA 94306 USA

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

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Test Location (1): No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.



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Release Control Record

Issue No.	Description	Date Issued
RF150722C10A-6	Original Release	Oct. 06, 2015

1 Certificate of Conformity

Product: POS

Brand: POYNT

Test Model: P3302

Sample Status: Production Unit

Applicant: Poynt Co.

Test Date: Sep. 15, 2015 ~ Sep. 30, 2015

Standards: FCC Part 22, Subpart H

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by :



Date:

Oct. 06, 2015

Ivonne Wu / Supervisor

Approved by :



Date:

Oct. 06, 2015

Kay Wu / Supervisor

2 Summary of Test Results

Applied Standard: FCC Part 22 & Part 2			
FCC Clause	Test Item	Result	Remarks
2.1046 22.913 (a)	Effective radiated power	PASS	Meet the requirement of limit.
---	Peak To Average Ratio	PASS	Meet the requirement of limit.
2.1055 22.355	Frequency Stability	PASS	Meet the requirement of limit.
2.1049	Occupied Bandwidth	PASS	Meet the requirement of limit.
22.917	Band Edge Measurements	PASS	Meet the requirement of limit.
2.1051 22.917	Conducted Spurious Emissions	PASS	Meet the requirement of limit.
2.1053 22.917	Radiated Spurious Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -26.24dB at 1672.80MHz.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Expanded Uncertainty (k=2) ($\pm$)
Conducted Emissions at mains ports	150kHz ~ 30MHz	2.44 dB
Radiated Emissions up to 1 GHz	30MHz ~ 200MHz	2.93 dB
	200MHz ~1000MHz	2.95 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	2.26 dB
	18GHz ~ 40GHz	1.94 dB



A D T

2.2 Test Site And Instruments

Description & Manufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Test Receiver Agilent	N9038A	MY51210203	Jan. 21, 2015	Jan. 21, 2016
Spectrum Analyzer Agilent	N9010A	MY52220314	Sep. 03, 2015	Sep. 02, 2016
Spectrum Analyzer ROHDE & SCHWARZ	FSU43	101261	Dec. 10, 2014	Dec. 09, 2015
BILOG Antenna SCHWARZBECK	VULB9168	9168-472	Feb. 04, 2015	Feb. 04, 2016
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-969	Feb. 09, 2015	Feb. 09, 2016
HORN Antenna SCHWARZBECK	BBHA 9170	9170-480	Feb. 04, 2015	Feb. 04, 2016
Loop Antenna	EM-6879	269	Jul. 31, 2015	Jul. 30, 2016
Preamplifier EMCI	EMC 012645	980115	Dec. 12, 2014	Dec. 11, 2015
Preamplifier EMCI	EMC 184045	980116	Jan. 09, 2015	Jan. 08, 2016
Preamplifier EMCI	EMC 330H	980112	Dec. 27, 2014	Dec. 26, 2015
Power Meter Anritsu	ML2495A	1012010	Aug. 21, 2015	Aug. 20, 2016
Power Sensor Anritsu	MA2411B	1315050	Aug. 21, 2015	Aug. 20, 2016
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	309219/4 2950114	Oct. 18, 2014	Oct. 17, 2015
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	250130/4	Oct. 18, 2014	Oct. 17, 2015
RF Coaxial Cable Worken	8D-FB	Cable-Ch10-01	Nov. 07, 2014	Nov. 06, 2015
Software BV ADT	E3 6.120103	NA	NA	NA
Antenna Tower MF	MFA-440H	NA	NA	NA
Turn Table MF	MFT-201SS	NA	NA	NA
Antenna Tower & Turn Table Controller MF	MF-7802	NA	NA	NA
Communications Tester-Wireless Agilent	8960 Series 10	MY53201073	Jul. 03, 2015	Jul. 02, 2017

- Note: 1. The calibration interval of the above test instruments is 12 / 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HwaYa Chamber 10.
3. The horn antenna and preamplifier (model: EMC 184045) are used only for the measurement of emission frequency above 1GHz if tested.
4. The FCC Site Registration No. is 690701.
5. The IC Site Registration No. is IC7450F-10.

3 General Information

3.1 General Description of EUT

Product	POS	
Brand	POYNT	
Test Model	P3302	
Status of EUT	Production Unit	
Power Supply Rating	5.0Vdc (adapter or host equipment) 3.7Vdc (Li-ion battery)	
Modulation Type	GPRS	GMSK
	EDGE	GMSK, 8PSK
	WCDMA	BPSK
Frequency Range	GPRS/EDGE	824.2 ~ 848.8 MHz
	WCDMA	826.4 ~ 846.6 MHz
Max. ERP Power	GPRS	674.53mW
	EDGE	155.17mW
	WCDMA	48.96mW
Emission Designator	GPRS	243KGXW
	EDGE	247KG7W
	WCDMA	4M07F9W
Antenna Type	Fixed Internal Antenna	
Accessory Device	Refer to Note as below	
Data Cable Supplied	Refer to Note as below	

Note:

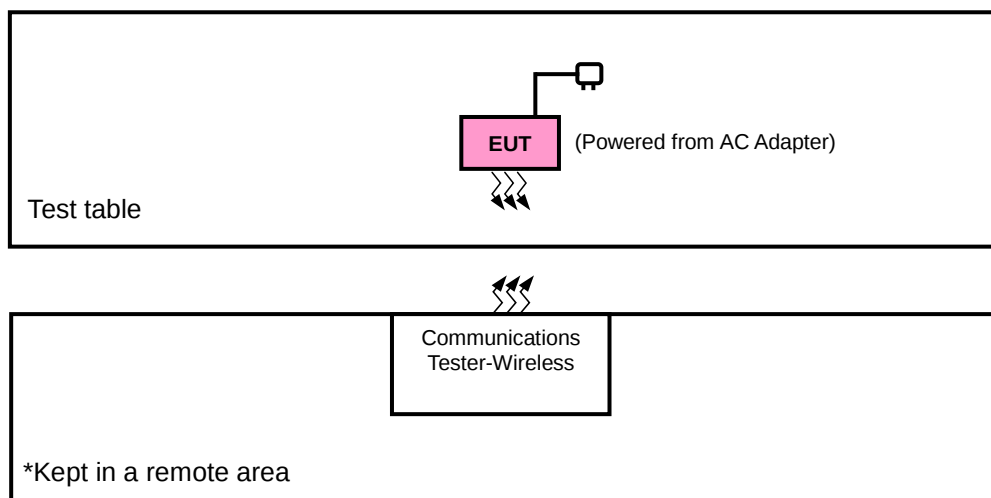
1. The EUT contains following accessory devices.

Product	Brand	Model	Description
Adapter	FSP GROUP INC.	FSP040-RHBN2	I/P: 100-240Vac, 50/60Hz, 1.5A O/P: 12Vdc, 3.33A 1.2m shielded cable with one core
Battery	Formosa Electronic Industries IN	P61	3.7Vdc, 14.8Wh
LCD Panel 1	LG	LD070WX7-SMN4	7"
LCD Panel 2	LG	LH430WV1-SD07	4.3"
Photo Camera	LITE-ON CORP.	5BA502T2A	--
Video Camera	NingBo Sunny Opotech	Q034C-200	--
Main Board	Quanta	DA0P61MBAB0	--
eMMC	kingston	EMMC16G-V100-C50	16GB
CPU	nV	T40s	--
WLAN Module	Azurewave	AW-AH640	--
WWAN Module	HUAWEI	MU736	--
Docking	Quanta	DA0P61TB6B0	--

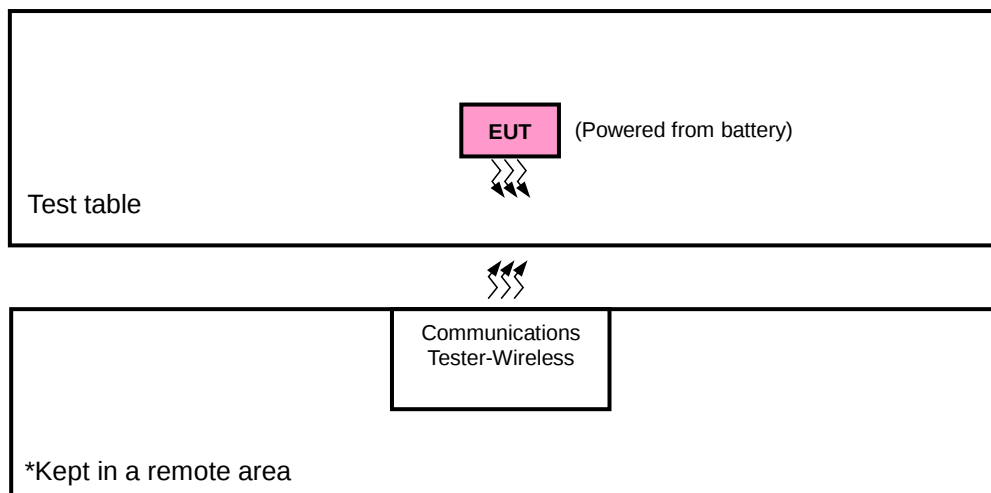
2. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3.2 Configuration of System Under Test

<Radiated Emission Test>



<E.R.P. Test>



3.2.1 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units.

3.3 Test Mode Applicability and Tested Channel Detail

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports

The worst case was found when positioned as the table below. Following channel(s) was (were) selected for the final test as listed below:

Band	ERP	Radiated Emission
GPRS	X-plane	Y-axis
EDGE	X-plane	Y-axis
WCDMA	X-plane	Y-axis

GPRS MODE

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Mode
-	ERP	128 to 251	128, 189, 251	GPRS, EDGE
-	Frequency Stability	128 to 251	189	GPRS, EDGE
-	Occupied Bandwidth	128 to 251	128, 189, 251	GPRS, EDGE
-	Band Edge	128 to 251	128, 251	GPRS, EDGE
-	Peak to Average Ratio	128 to 251	128, 189, 251	GPRS, EDGE
-	Conducuted Emission	128 to 251	189	GPRS, EDGE
-	Radiated Emission	128 to 251	189	GPRS, EDGE

WCDMA MODE

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Mode
-	ERP	4132 to 4233	4132, 4182, 4233	WCDMA
-	Frequency Stability	4132 to 4233	4182	WCDMA
-	Occupied Bandwidth	4132 to 4233	4132, 4182, 4233	WCDMA
-	Band Edge	4132 to 4233	4132, 4233	WCDMA
-	Peak to Average Ratio	4132 to 4233	4132, 4182, 4233	WCDMA
-	Conducuted Emission	4132 to 4233	4182	WCDMA
-	Radiated Emission	4132 to 4233	4182	WCDMA

Test Condition:

Test Item	Environmental Conditions	Input Power	Tested By
ERP	25deg. C, 65%RH	3.7Vdc	Karl Lee
Frequency Stability	25deg. C, 65%RH	3.7Vdc	Carlos Chen
Occupied Bandwidth	25deg. C, 65%RH	3.7Vdc	Carlos Chen
Band Edge	25deg. C, 65%RH	3.7Vdc	Carlos Chen
Peak to Average Ratio	25deg. C, 65%RH	3.7Vdc	Carlos Chen
Conducuted Emission	25deg. C, 65%RH	3.7Vdc	Carlos Chen
Radiated Emission	25deg. C, 65%RH	120Vac, 60Hz	Karl Lee

3.4 EUT Operating Conditions

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency.

3.5 General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC 47 CFR Part 2

FCC 47 CFR Part 22

ANSI/TIA/EIA-603-C 2004

NOTE: All test items have been performed and recorded as per the above standards.

4 Test Types and Results

4.1 Output Power Measurement

4.1.1 Limits of Output Power Measurement

Mobile / Portable station are limited to 7 watts e.r.p.

4.1.2 Test Procedures

EIRP / ERP Measurement:

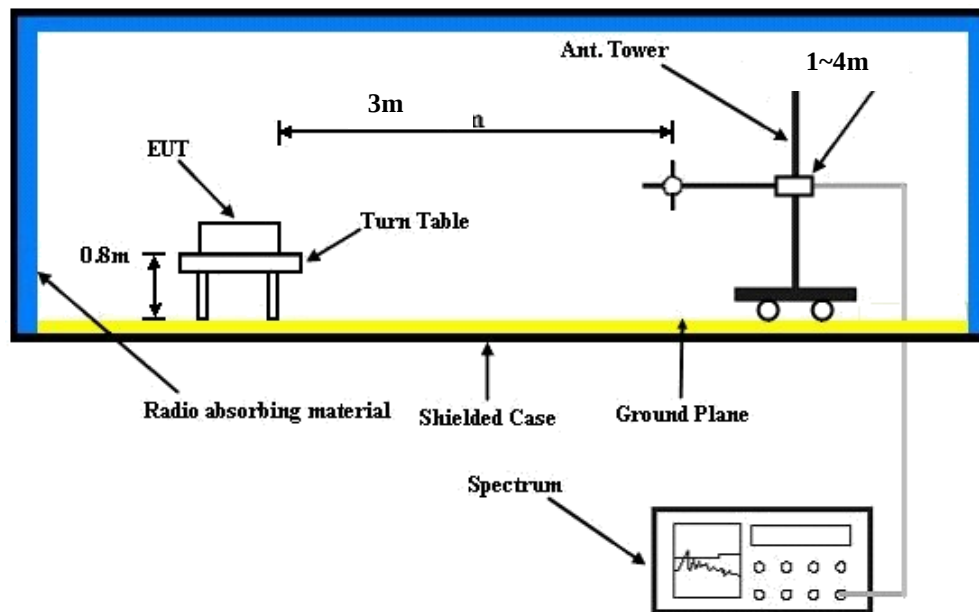
- a. All measurements were done at low, middle and high operational frequency range. RBW and VBW is 1MHz for GPRS & EDGE, and 5MHz for WCDMA mode.
- b. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- c. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a tx cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step b. Record the power level of S.G
- d. $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, $E.R.P \text{ power} = E.I.P.R \text{ power} - 2.15\text{dBi}$.

Conducted Power Measurement:

The EUT was set up for the maximum power with GPRS, EDGE, and WCDMA link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

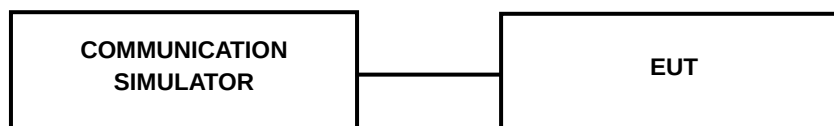
4.1.3 Test Setup

EIRP / ERP MEASUREMENT:



For the actual test configuration, please refer to the attached file (Test Setup Photo).

CONDUCTED POWER MEASUREMENT:



4.1.4 Test Results

CONDUCTED OUTPUT POWER (dBm)

Band	GPRS850		
Channel	128	189	251
Frequency (MHz)	824.2	836.4	848.8
GPRS 8	31.75	31.79	31.92
GPRS 10	29.31	29.35	29.48
GPRS 11	27.85	27.89	28.02
GPRS 12	26.37	26.41	26.54
EDGE 8	25.84	25.88	26.01
EDGE 10	23.58	23.62	23.75
EDGE 11	22.13	22.17	22.30
EDGE 12	20.69	20.73	20.86

Band	WCDMA V		
Channel	4132	4182	4233
Frequency (MHz)	826.4	836.4	846.6
RMC 12.2K	23.48	23.19	22.96
HSDPA Subtest-1	23.25	22.96	22.73
HSDPA Subtest-2	22.28	21.99	21.76
HSDPA Subtest-3	22.03	21.74	21.51
HSDPA Subtest-4	21.77	21.48	21.25
HSUPA Subtest-1	22.25	21.96	21.73
HSUPA Subtest-2	20.20	19.91	19.68
HSUPA Subtest-3	21.01	20.72	20.49
HSUPA Subtest-4	20.54	20.25	20.02
HSUPA Subtest-5	22.36	22.07	21.84

ERP POWER (dBm)

GPRS							
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)
X	128	824.2	-1.01	31.208	28.05	637.97	H
	189	836.4	-0.86	31.3	28.29	674.53	
	251	848.8	-0.97	31.222	28.10	645.95	
	128	824.2	-4.37	31.504	24.98	315.06	V
	189	836.4	-4.61	31.117	24.36	272.71	
	251	848.8	-5.06	31.922	24.71	295.94	

EDGE							
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)
X	128	824.2	-7.15	31.208	21.91	155.17	H
	189	836.4	-7.87	31.3	21.28	134.28	
	251	848.8	-7.46	31.222	21.61	144.94	
	128	824.2	-11.43	31.504	17.92	62.00	V
	189	836.4	-11.11	31.117	17.86	61.05	
	251	848.8	-12.35	31.922	17.42	55.23	

WCDMA							
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)
X	4132	826.4	-12.16	31.208	16.90	48.96	H
	4182	836.4	-12.42	31.3	16.73	47.10	
	4233	846.6	-12.44	31.222	16.63	46.05	
	4132	826.4	-16.76	31.504	12.59	18.17	V
	4182	836.4	-16.29	31.117	12.68	18.52	
	4233	846.6	-17.12	31.922	12.65	18.42	

4.2 Frequency Stability Measurement

4.2.1 Limits of Frequency Stability Measurement

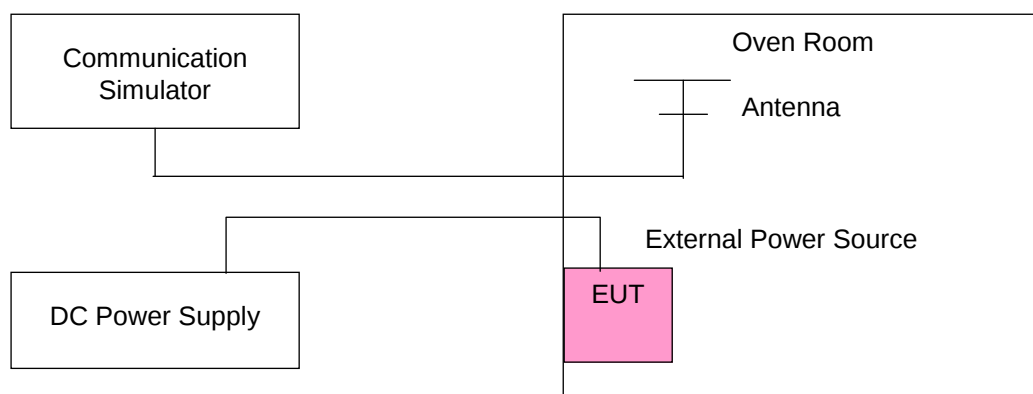
1.5 ppm is for base and fixed station. 2.5 ppm is for mobile station.

4.2.2 Test Procedure

- Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
- EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the ± 0.5 °C during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

NOTE: The frequency error was recorded frequency error from the communication simulator.

4.2.3 Test Setup



4.2.4 Test Results

Frequency Error vs. Voltage

Voltage (Volts)	Frequency Error (ppm)			Limit (ppm)
	GPRS	EDGE	WCDMA	
3.7	0.0019	0.0002	0.0020	2.5
3.33	0.0007	0.0035	0.0016	2.5
4.255	0.0033	0.0019	0.0018	2.5

NOTE: The applicant defined the normal working voltage of the battery is from 3.33Vdc to 4.255Vdc.

Frequency Error vs. Temperature

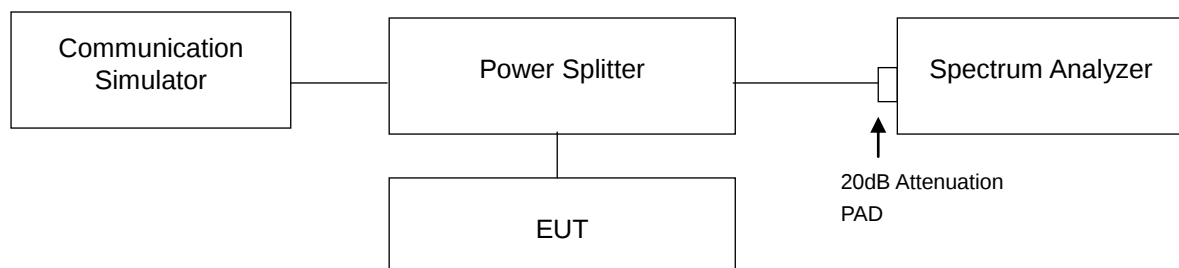
Temp. (°C)	Frequency Error (ppm)			Limit (ppm)
	GPRS	EDGE	WCDMA	
-30	0.002	0.004	0.002	2.5
-20	0.003	0.002	0.000	2.5
-10	0.001	0.002	0.002	2.5
0	0.000	0.004	0.002	2.5
10	0.004	0.003	0.003	2.5
20	-0.001	-0.002	-0.005	2.5
30	-0.004	0.000	-0.002	2.5
40	-0.002	-0.001	0.000	2.5
50	-0.003	-0.001	-0.003	2.5

4.3 Occupied Bandwidth Measurement

4.3.1 Test Procedure

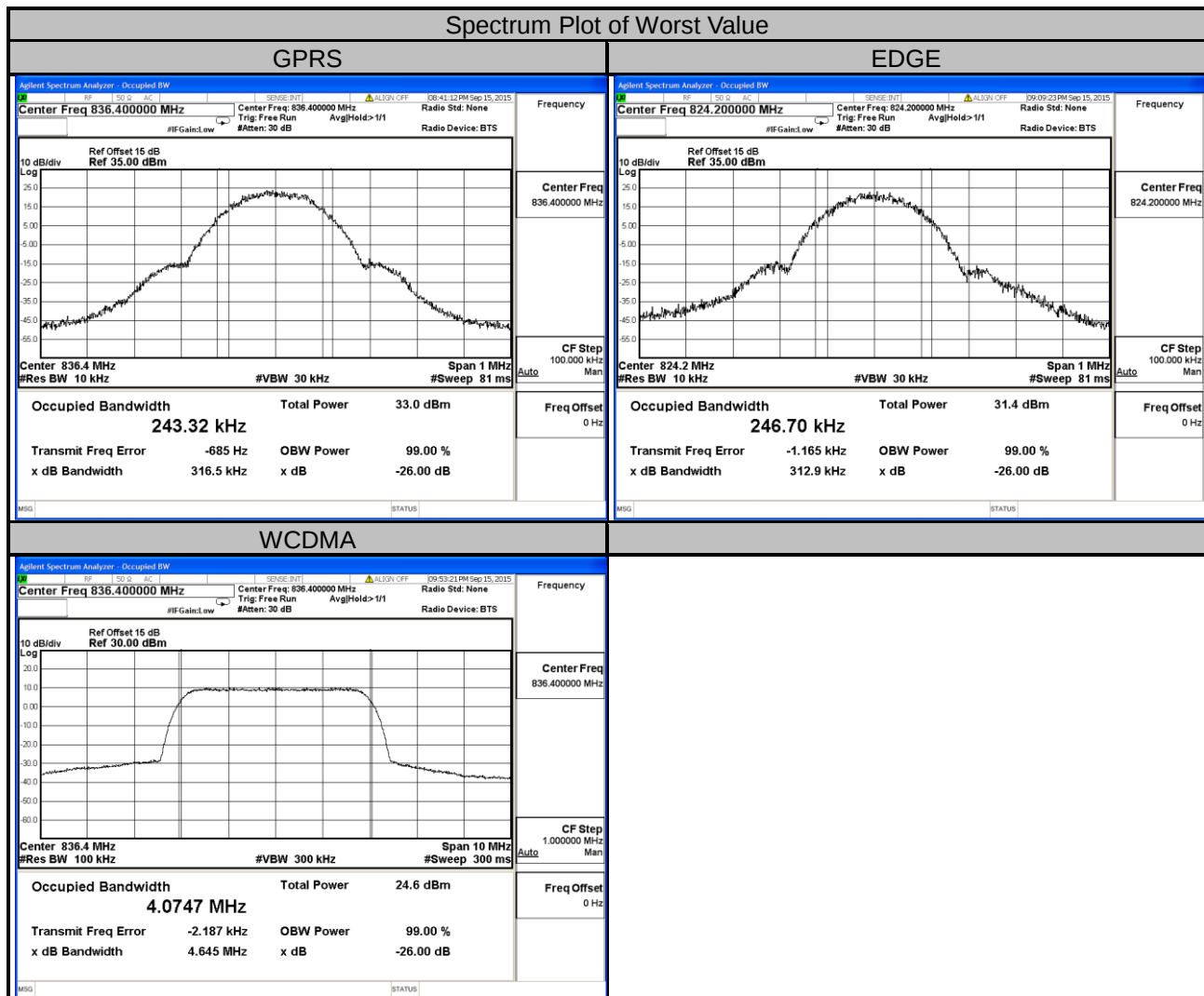
The EUT makes a call to the communication simulator. All measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

4.3.2 Test Setup



4.3.3 Test Result

Channel	Frequency (MHz)	99% Occupied Bandwidth (kHz)		Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
		GPRS	EDGE			
128	824.2	242.65	246.70	4132	826.4	4.0598
189	836.4	243.32	242.35	4182	836.4	4.0747
251	848.8	242.59	246.70	4233	846.6	4.0702
Channel	Frequency (MHz)	26dB Bandwidth (kHz)		Channel	Frequency (MHz)	26dB Bandwidth (MHz)
		GPRS	EDGE			
128	824.2	315.10	312.90	4132	826.4	4.619
189	836.4	316.50	305.60	4182	836.4	4.645
251	848.8	317.80	314.90	4233	846.6	4.628

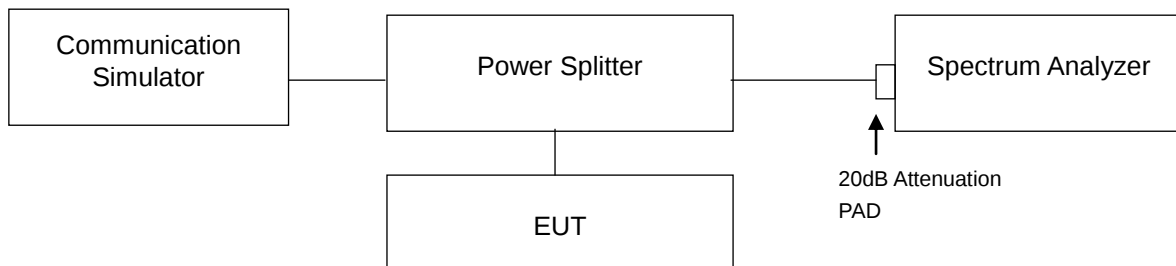


4.4 Band Edge Measurement

4.4.1 Limits of Band Edge Measurement

Power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

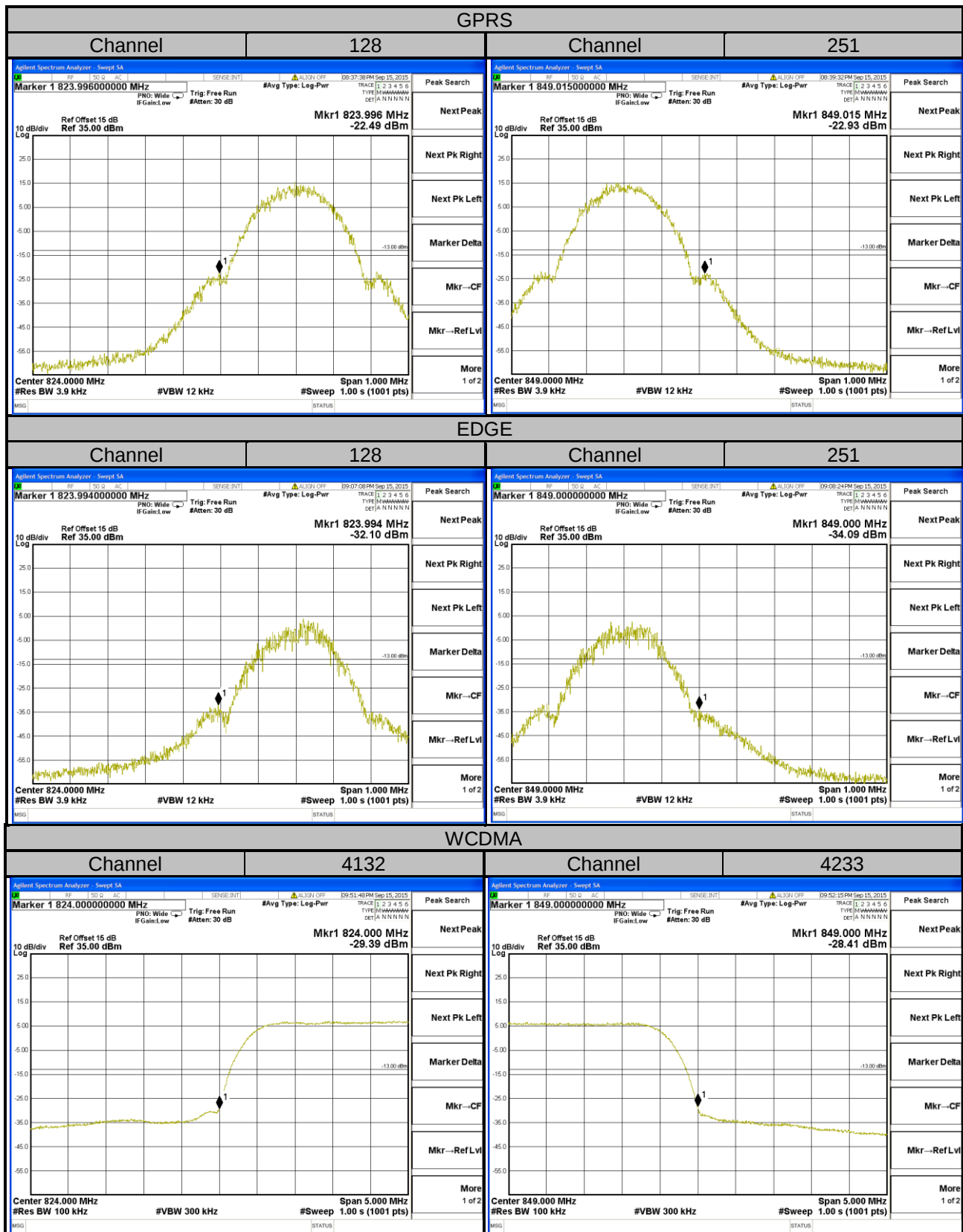
4.4.2 Test Setup



4.4.3 Test Procedures

- All measurements were done at low and high operational frequency range.
- The center frequency of spectrum is the band edge frequency and span is 1MHz. RB of the spectrum is 3.9kHz and VB of the spectrum is 12kHz (GPRS/EDGE).
- The center frequency of spectrum is the band edge frequency and span is 5MHz. RB of the spectrum is 100kHz and VB of the spectrum is 300kHz (WCDMA).
- Record the max trace plot into the test report.

4.4.4 Test Results

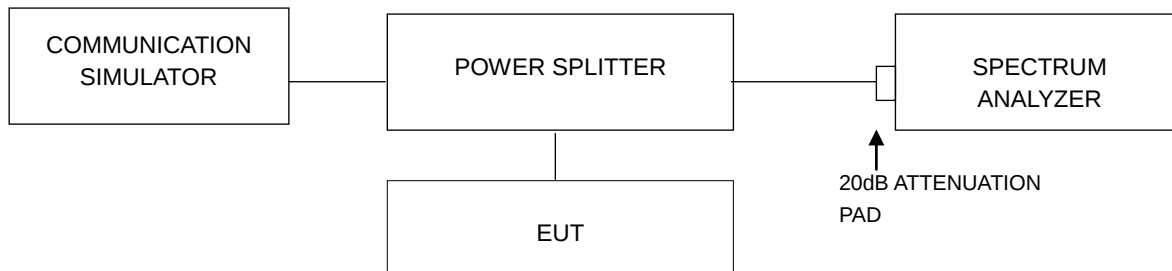


4.5 Peak To Average Ratio

4.5.1 Limits of Peak To Average Ratio Measurement

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

4.5.2 Test Setup

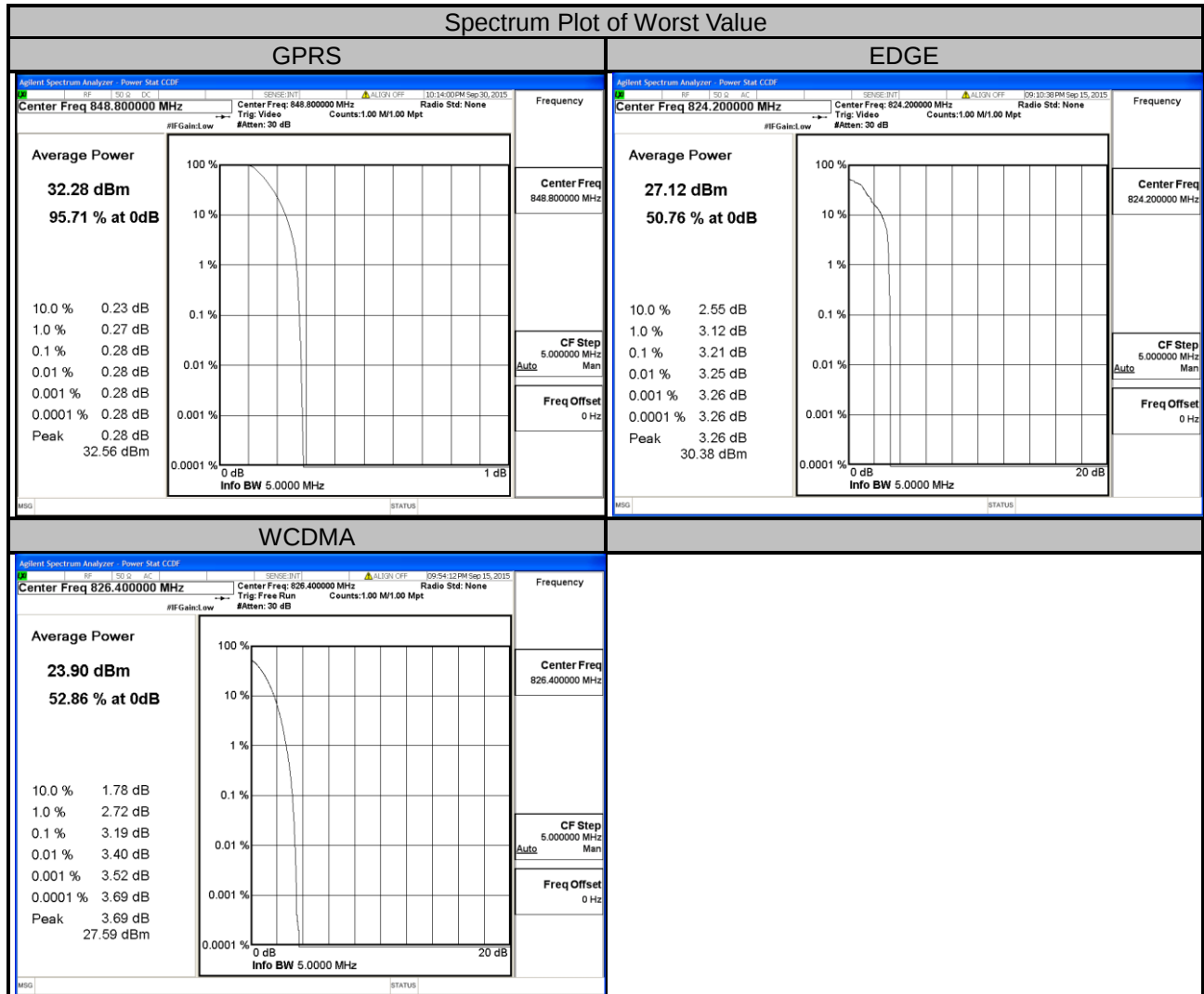


4.5.3 Test Procedures

1. Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.

4.5.4 Test Results

Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)
		GPRS	EDGE			
128	824.2	0.27	3.21	4132	826.4	3.19
189	836.4	0.27	3.19	4182	836.4	3.06
251	848.8	0.28	3.19	4233	846.6	3.07

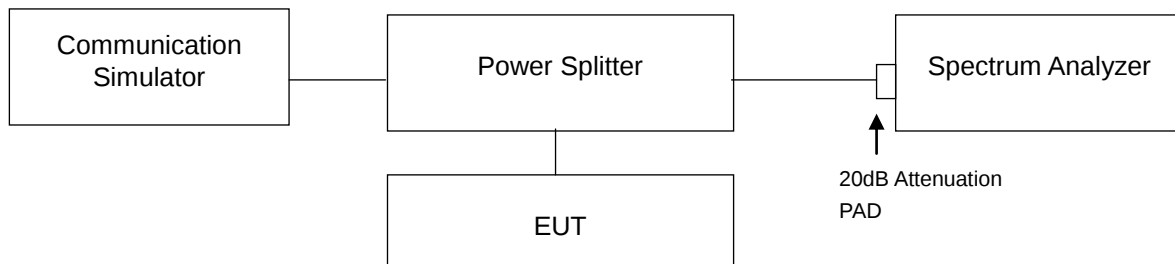


4.6 Conducted Spurious Emissions

4.6.1 Limits of Conducted Spurious Emissions Measurement

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13dBm .

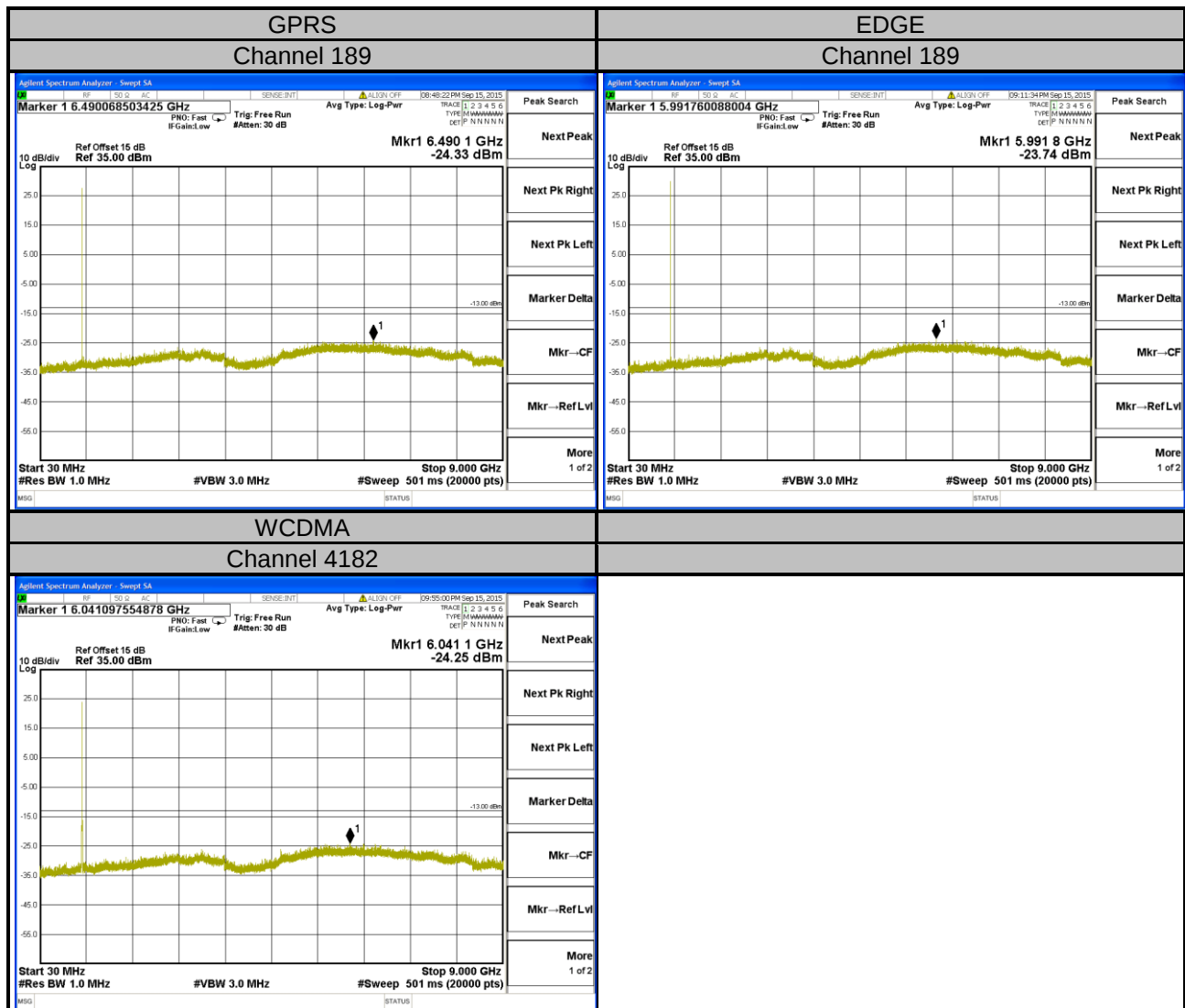
4.6.2 Test Setup



4.6.3 Test Procedure

- The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- Measuring frequency range is from 9 kHz to 9GHz. 20dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

4.6.4 Test Results



4.7 Radiated Emission Measurement

4.7.1 Limits of Radiated Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13dBm .

4.7.2 Test Procedure

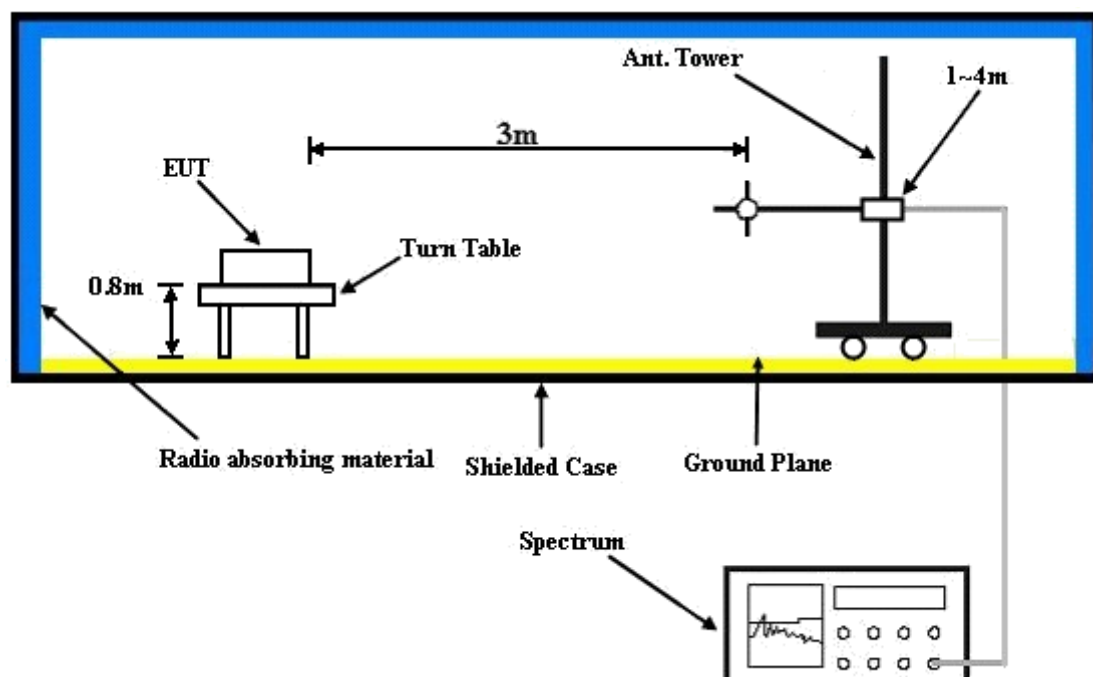
- Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G
- $\text{EIRP} = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}.$
- E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, $\text{E.R.P power} = \text{E.I.P.R power} - 2.15\text{dBi}.$

NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

4.7.3 Deviation from Test Standard

No deviation.

4.7.4 Test Setup



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.7.5 Test Results

GPRS:

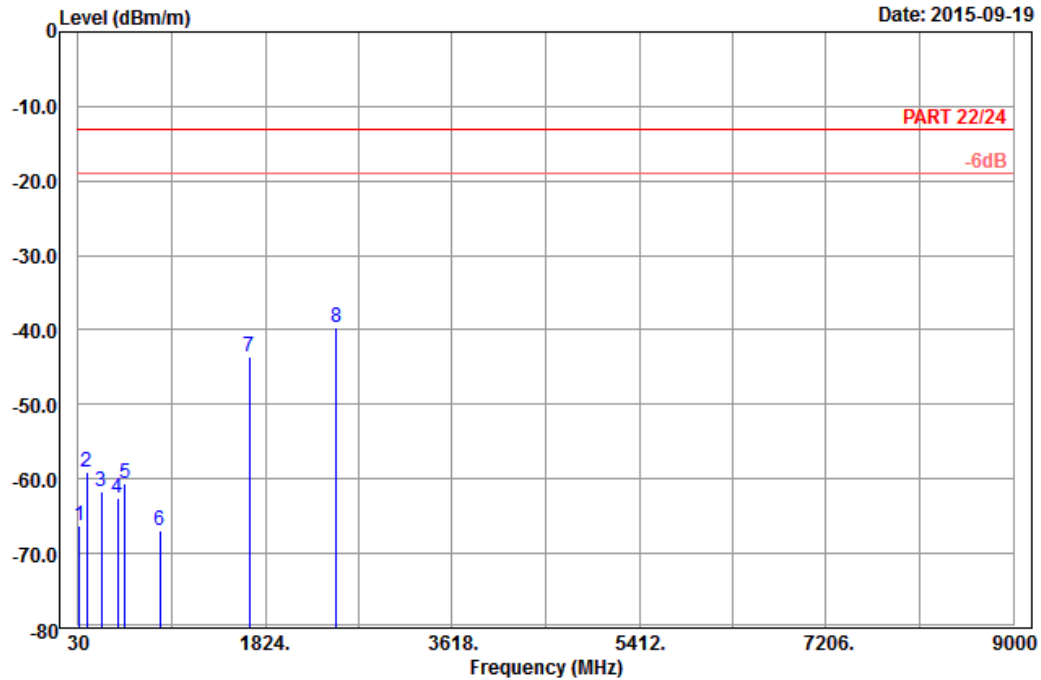


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Data: 9

Date: 2015-09-19



Site : 966 chamber 1
Condition: PART 22/24 3m Horizontal
Remark : GPRS 850_Link_CH189
Tested by: Karl Lee
Plane : Y

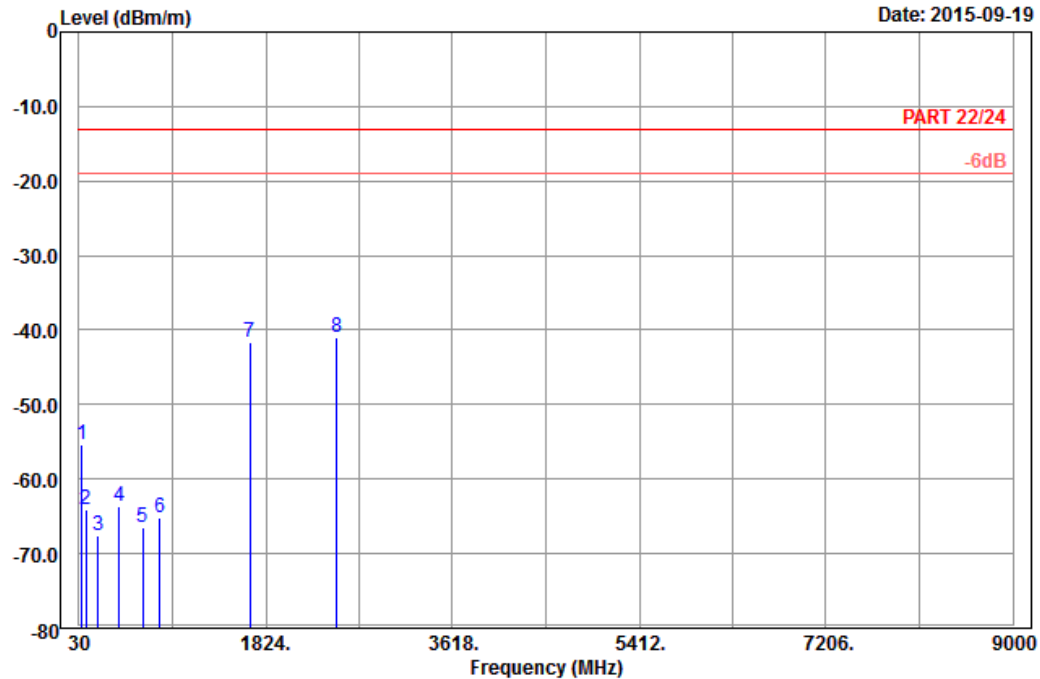
			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	44.04	-66.22	-54.64	-13.00	-53.22	-11.58	Peak
2	111.27	-59.05	-50.23	-13.00	-46.05	-8.82	Peak
3	250.05	-61.64	-56.13	-13.00	-48.64	-5.51	Peak
4	405.70	-62.59	-59.72	-13.00	-49.59	-2.87	Peak
5	479.90	-60.58	-55.88	-13.00	-47.58	-4.70	Peak
6	813.80	-67.02	-68.88	-13.00	-54.02	1.86	Peak
7	1672.80	-43.64	-51.55	-13.00	-30.64	7.91	Peak
8 pp	2509.20	-39.58	-50.86	-13.00	-26.58	11.28	Peak



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Data: 10



Site : 966 chamber 1
Condition: PART 22/24 3m Vertical
Remark : GPRS 850_Link_CH189
Tested by: Karl Lee
Plane : Y

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	54.30	-55.30	-41.24	-13.00	-42.30	-14.06	Peak
2	95.07	-64.09	-53.69	-13.00	-51.09	-10.40	Peak
3	213.33	-67.67	-61.67	-13.00	-54.67	-6.00	Peak
4	418.30	-63.67	-60.53	-13.00	-50.67	-3.14	Peak
5	644.40	-66.53	-66.46	-13.00	-53.53	-0.07	Peak
6	807.50	-65.26	-67.18	-13.00	-52.26	1.92	Peak
7	1672.80	-41.54	-49.45	-13.00	-28.54	7.91	Peak
8 pp	2509.20	-41.05	-52.33	-13.00	-28.05	11.28	Peak

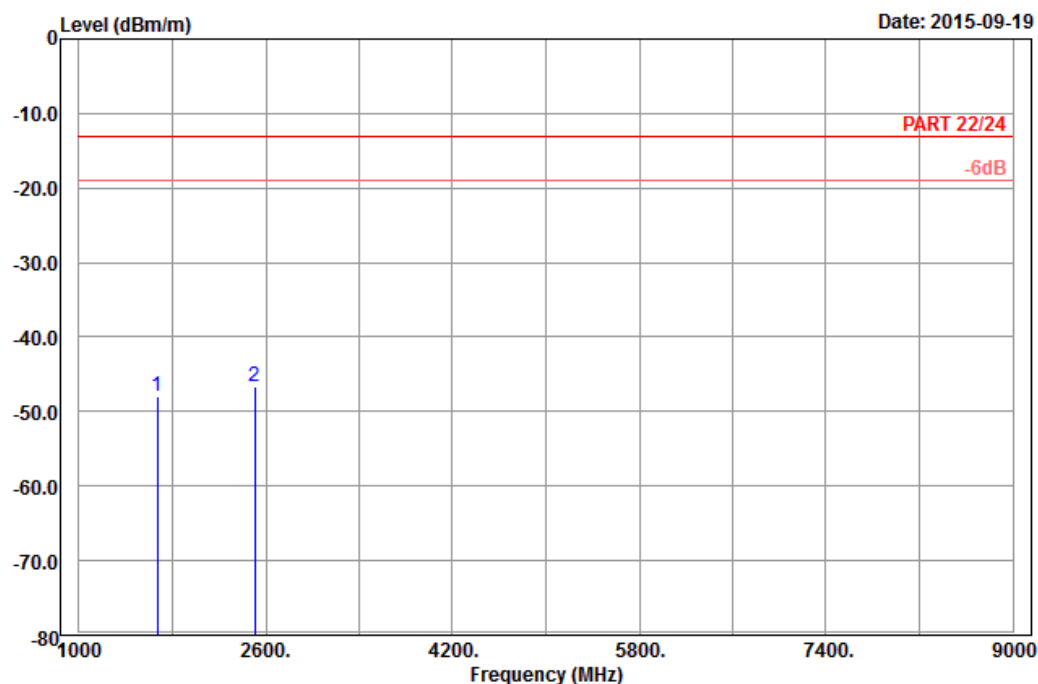
EDGE:



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Data: 5



Site : 966 chamber 1
Condition: PART 22/24 3m Horizontal
Remark : EDGE 850_Link_CH189
Tested by: Karl Lee
Plane : Y

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	1672.80	-48.01	-55.92	-13.00	-35.01	7.91	Peak
2	2509.20	-46.58	-57.86	-13.00	-33.58	11.28	Peak

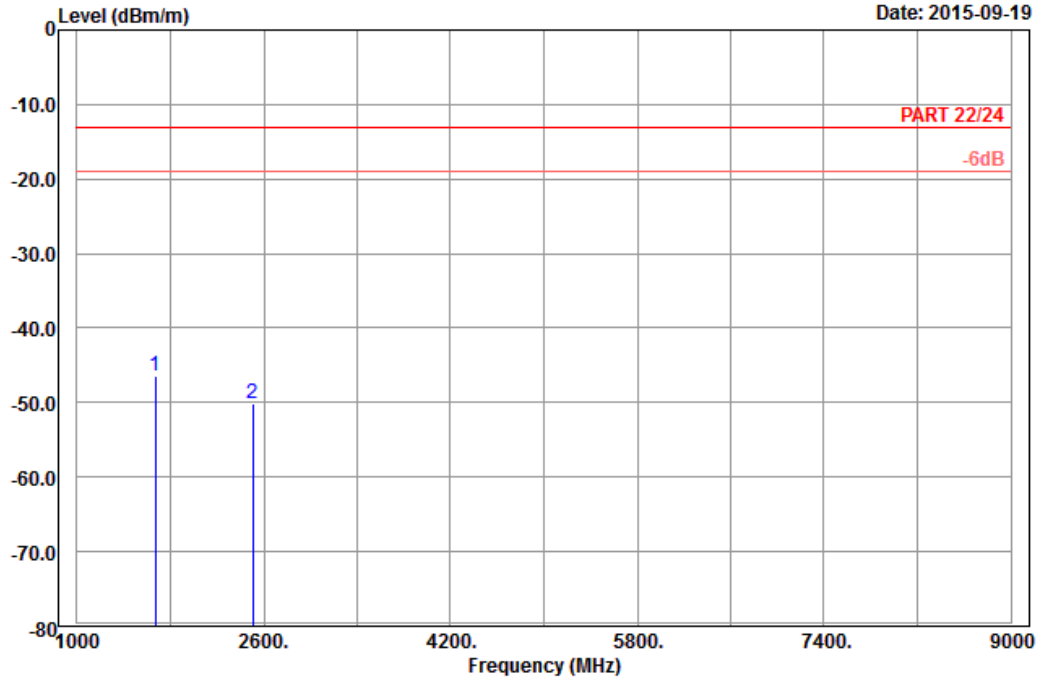


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Data: 6

Date: 2015-09-19



Site : 966 chamber 1
 Condition: PART 22/24 3m Vertical
 Remark : EDGE 850_Link_CH189
 Tested by: Karl Lee
 Plane : Y

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1 pp	1672.80	-46.52	-54.43	-13.00	-33.52	7.91	Peak
2	2509.20	-50.22	-61.50	-13.00	-37.22	11.28	Peak

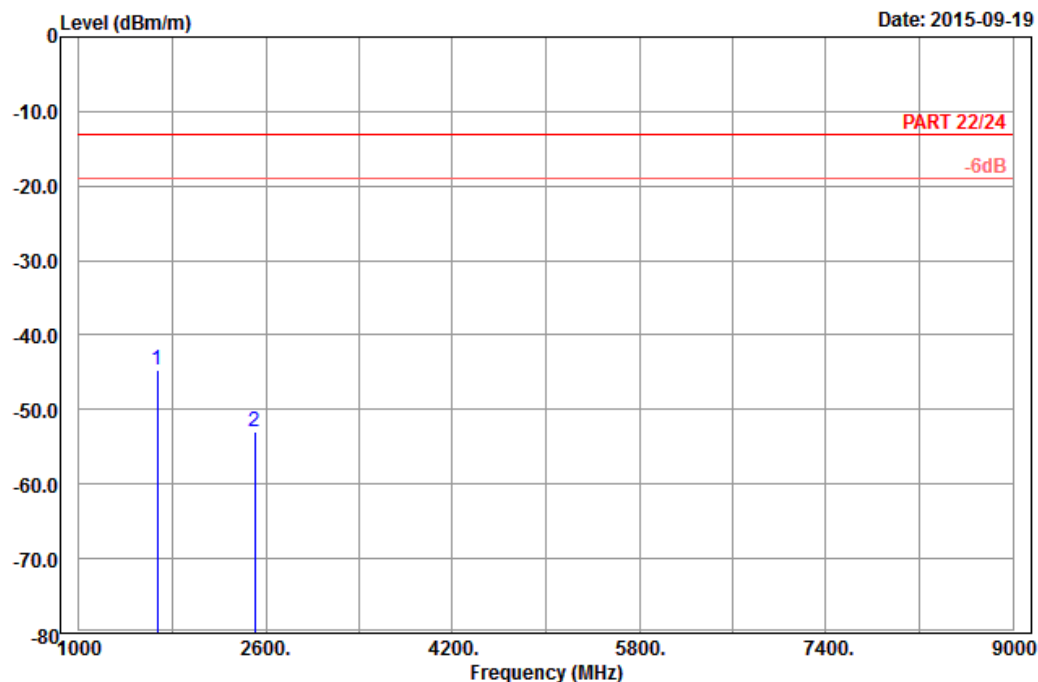
WCDMA:



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Data: 5



Site : 966 chamber 1
Condition: PART 22/24 3m Horizontal
Remark : Band V_Link_CH4182
Tested by: Karl Lee
Plane : Y

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	pp	1672.80	-44.74	-52.65	-13.00	-31.74	7.91 Peak
2		2509.20	-52.89	-64.17	-13.00	-39.89	11.28 Peak

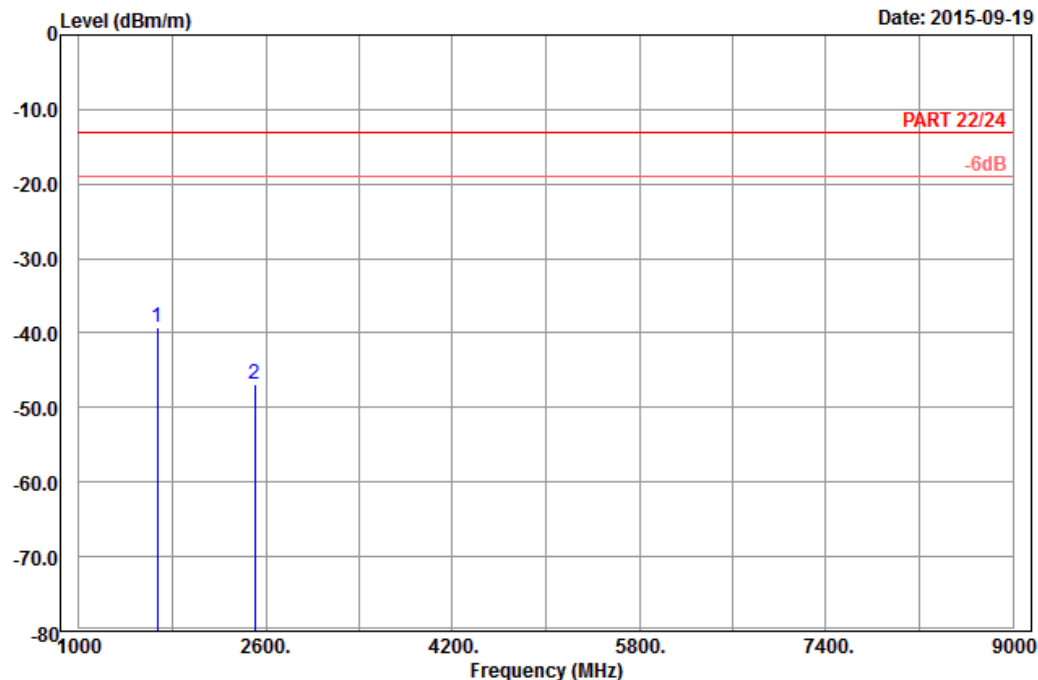


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2015-09-19



Site : 966 chamber 1
Condition: PART 22/24 3m Vertical
Remark : Band V_Link_CH4182
Tested by: Karl Lee
Plane : Y

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1 pp	1672.80	-39.24	-47.15	-13.00	-26.24	7.91	Peak
2	2509.20	-46.88	-58.16	-13.00	-33.88	11.28	Peak

5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Appendix – Information on the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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Fax: 886-2-26051924

Hsin Chu EMC/RF Lab/Telecom Lab

Tel: 886-3-5935343

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Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

The address and road map of all our labs can be found in our web site also.

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