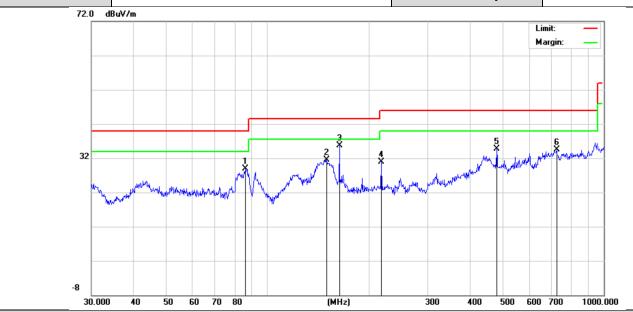


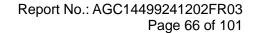
Radiated Emission Test Results at 30MHz-1GHz					
EUT Name	Phone	Model Name	W635C		
Temperature	18.5℃	Relative Humidity	56.1%		
Pressure	960hPa	Test Voltage	DC 3.87V by battery		
Test Mode	Mode 3	Antenna Polarity	Vertical		



Final	Data	List

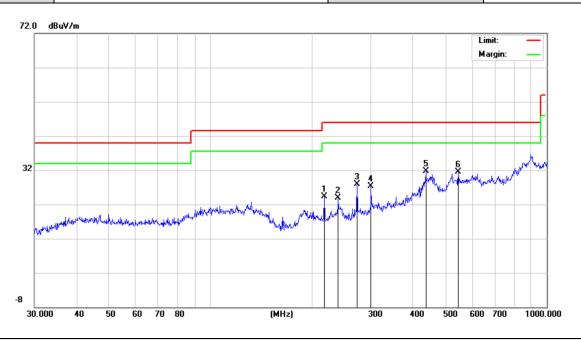
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	86.2001	28.97	16.06	40.00	11.03	100	200	Vertical
2	150.0108	31.48	18.20	43.50	12.02	100	290	Vertical
3	163.7550	35.64	18.26	43.50	7.86	100	80	Vertical
4	218.3085	30.86	16.53	46.00	15.14	100	210	Vertical
5	480.5276	34.66	23.81	46.00	11.34	100	180	Vertical
6	724.2611	34.46	28.40	46.00	11.54	100	110	Vertical

**RESULT: Pass** 





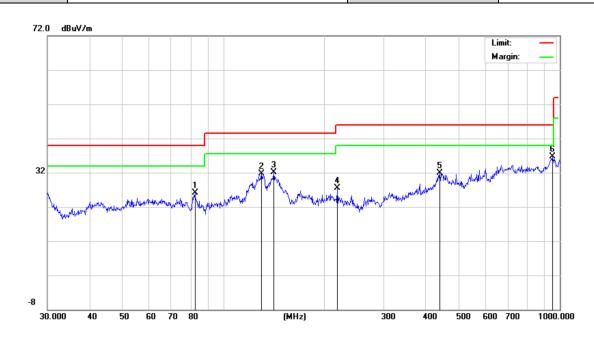
Radiated Emission Test Results at 30MHz-1GHz						
EUT Name	Phone	Model Name	W635C-S			
Temperature	18.5℃	Relative Humidity	56.1%			
Pressure	960hPa	Test Voltage	DC 3.87V by battery			
Test Mode	Mode 3	Antenna Polarity	Horizontal			



Peak D	Peak Data List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	218.3085	24.39	14.41	46.00	21.61	100	240	Horizontal
2	239.9874	23.81	15.40	46.00	22.19	100	170	Horizontal
3	273.2341	27.88	14.87	46.00	18.12	100	50	Horizontal
4	300.3672	27.39	16.50	46.00	18.61	100	220	Horizontal
5	437.1199	31.61	24.48	46.00	14.39	100	170	Horizontal
6	545.1826	31.57	23.98	46.00	14.43	100	110	Horizontal



Radiated Emission Test Results at 30MHz-1GHz					
EUT Name	Phone	Model Name	W635C-S		
Temperature	18.5℃	Relative Humidity	56.1%		
Pressure	960hPa	Test Voltage	DC 3.87V by battery		
Test Mode	Mode 3	Antenna Polarity	Vertical		



Final D	Data List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	82.3588	26.15	16.58	40.00	13.85	100	100	Vertical
2	129.9226	31.76	17.95	43.50	11.74	100	190	Vertical
3	141.3298	32.14	18.20	43.50	11.36	100	60	Vertical
4	218.3085	27.46	16.53	46.00	18.54	100	270	Vertical
5	440.1963	31.99	26.09	46.00	14.01	100	120	Vertical
6	952.0937	36.72	30.52	46.00	9.28	100	170	Vertical

## **RESULT: Pass**

Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. All test modes had been pre-tested. The mode 3 is the worst case and recorded in the report.



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#### **Radiated Emissions Test Results above 1 GHz**

EUT Name	Phone	Model Name	W635C
Temperature	18.5℃	Relative Humidity	56.1%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	Mode 1	Antenna Polarity	Horizontal

Meter Reading	Factor	Emission Level	Limits	Margin	Value
(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
49.62	0.08	49.70007	74.00	-24.30	peak
41.38	0.08	41.4649	54.00	-12.54	AVG
50.36	2.21	52.57316	74.00	-21.43	peak
41.54	2.21	43.75095	54.00	-10.25	AVG
	Reading (dBµV) 49.62 41.38 50.36	Reading     Factor       (dBμV)     (dB)       49.62     0.08       41.38     0.08       50.36     2.21	Reading         Factor         Level           (dBµV)         (dB)         (dBµV/m)           49.62         0.08         49.70007           41.38         0.08         41.4649           50.36         2.21         52.57316	Reading         Level         Limits           (dBμV)         (dB)         (dBμV/m)         (dBμV/m)           49.62         0.08         49.70007         74.00           41.38         0.08         41.4649         54.00           50.36         2.21         52.57316         74.00	Reading         Factor         Level         Limits         Margin           (dBμV)         (dB)         (dBμV/m)         (dBμV/m)         (dB)           49.62         0.08         49.70007         74.00         -24.30           41.38         0.08         41.4649         54.00         -12.54           50.36         2.21         52.57316         74.00         -21.43

Remark:

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

EUT Name	Phone	Model Name	W635C
Temperature	18.5℃	Relative Humidity	56.1%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	Mode 1	Antenna Polarity	Vertical

Meter Reading	Factor	Emission Level	Limits	Margin	Value
(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type
50.21	80.0	50.28974	74.00	-23.71	peak
40.15	0.08	40.22745	54.00	-13.77	AVG
50.54	2.21	52.75322	74.00	-21.25	peak
40.91	2.21	43.11968	54.00	-10.88	AVG
	Reading (dBµV) 50.21 40.15 50.54	Reading       Factor         (dBμV)       (dB)         50.21       0.08         40.15       0.08         50.54       2.21	Reading         Factor         Level           (dBμV)         (dB)         (dBμV/m)           50.21         0.08         50.28974           40.15         0.08         40.22745           50.54         2.21         52.75322	Reading         Factor         Level         Limits           (dBμV)         (dB)         (dBμV/m)         (dBμV/m)           50.21         0.08         50.28974         74.00           40.15         0.08         40.22745         54.00           50.54         2.21         52.75322         74.00	Reading         Level         Limits         Margin           (dBμV)         (dB)         (dBμV/m)         (dBμV/m)         (dB)           50.21         0.08         50.28974         74.00         -23.71           40.15         0.08         40.22745         54.00         -13.77           50.54         2.21         52.75322         74.00         -21.25

Remark:

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

## **RESULT: Pass**



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#### Radiated Emissions Test Results above 1GHz

EUT Name	Phone	Model Name	W635C
Temperature	18.5℃	Relative Humidity	56.1%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	Mode 2	Antenna Polarity	Horizontal

Meter Reading	Factor	Emission Level	Limits	Margin	Value
(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type
50.35	0.14	50.49	74.00	-23.51	peak
39.65	0.14	39.79	54.00	-14.21	AVG
49.54	2.36	51.90	74.00	-22.10	peak
41.36	2.36	43.72	54.00	-10.28	AVG
	Reading (dBµV) 50.35 39.65 49.54	Reading     Factor       (dBμV)     (dB)       50.35     0.14       39.65     0.14       49.54     2.36	Reading     Factor     Level       (dBμV)     (dB)     (dBμV/m)       50.35     0.14     50.49       39.65     0.14     39.79       49.54     2.36     51.90	Reading         Factor         Level         Limits           (dBμV)         (dB)         (dBμV/m)         (dBμV/m)           50.35         0.14         50.49         74.00           39.65         0.14         39.79         54.00           49.54         2.36         51.90         74.00	Reading         Factor         Level         Limits         Margin           (dBμV)         (dB)         (dBμV/m)         (dBμV/m)         (dB)           50.35         0.14         50.49         74.00         -23.51           39.65         0.14         39.79         54.00         -14.21           49.54         2.36         51.90         74.00         -22.10

Remark:

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

EUT Name	Phone	Model Name	W635C
Temperature	18.5℃	Relative Humidity	56.1%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	Mode 2	Antenna Polarity	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type
4874.000	49.25	0.14	49.39	74.00	-24.61	peak
4874.000	40.98	0.14	41.12	54.00	-12.88	AVG
7311.000	49.47	2.36	51.83	74.00	-22.17	peak
7311.000	40.07	2.36	42.43	54.00	-11.57	AVG

Remark:

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

## **RESULT: Pass**



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## **Radiated Emissions Test Results above 1GHz**

EUT Name	Phone	Model Name	W635C
Temperature	18.5℃	Relative Humidity	56.1%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	Mode 3	Antenna Polarity	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type
4924.000	48.84	0.22	49.06	74.00	-24.94	peak
4924.000	42.09	0.22	42.31	54.00	-11.69	AVG
7386.000	49.04	2.64	51.68	74.00	-22.32	peak
7386.000	40.96	2.64	43.60	54.00	-10.40	AVG

Remark:

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

EUT Name	Phone	Model Name	W635C
Temperature	18.5℃	Relative Humidity	56.1%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	Mode 3	Antenna Polarity	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type
4924.000	49.51	0.22	49.73	74.00	-24.27	peak
4924.000	42.32	0.22	42.54	54.00	-11.46	AVG
7386.000	48.88	2.64	51.52	74.00	-22.48	peak
7386.000	41.24	2.64	43.88	54.00	-10.12	AVG

Remark:

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

## **RESULT: Pass**



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#### **Radiated Emissions Test Results above 1 GHz**

EUT Name	Phone	Model Name	W635C
Temperature	18.5℃	Relative Humidity	56.1%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	Mode 1	Antenna Polarity	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type
4824.000	50.82	0.08	50.90	74.00	-23.10	peak
4824.000	41.06	0.08	41.14	54.00	-12.86	AVG
7236.000	49.92	2.21	52.13	74.00	-21.87	peak
7236.000	40.67	2.21	42.88	54.00	-11.12	AVG

Remark:

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

EUT Name	Phone	Model Name	W635C
Temperature	18.5℃	Relative Humidity	56.1%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	Mode 1	Antenna Polarity	Vertical

Meter Reading	Factor	Emission Level	Limits	Margin	Value
(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type
49.33	80.0	49.41	74.00	-24.59	peak
41.09	0.08	41.17	54.00	-12.83	AVG
50.20	2.21	52.41	74.00	-21.59	peak
40.95	2.21	43.16	54.00	-10.84	AVG
	Reading (dBµV) 49.33 41.09 50.20	Reading     Factor       (dBμV)     (dB)       49.33     0.08       41.09     0.08       50.20     2.21	Reading         Factor         Level           (dBμV)         (dB)         (dBμV/m)           49.33         0.08         49.41           41.09         0.08         41.17           50.20         2.21         52.41	Reading         Factor         Level         Limits           (dBμV)         (dB)         (dBμV/m)         (dBμV/m)           49.33         0.08         49.41         74.00           41.09         0.08         41.17         54.00           50.20         2.21         52.41         74.00	Reading         Factor         Level         Limits         Margin           (dBμV)         (dB)         (dBμV/m)         (dBμV/m)         (dB)           49.33         0.08         49.41         74.00         -24.59           41.09         0.08         41.17         54.00         -12.83           50.20         2.21         52.41         74.00         -21.59

Remark:

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

## **RESULT: Pass**



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#### Radiated Emissions Test Results above 1GHz

EUT Name	Phone	Model Name	W635C
Temperature	18.5℃	Relative Humidity	56.1%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	Mode 2	Antenna Polarity	Horizontal

Meter Reading	Factor	Emission Level	Limits	Margin	Value
(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
50.93	0.14	51.07	74.00	-22.93	peak
41.42	0.14	41.56	54.00	-12.44	AVG
49.61	2.36	51.97	74.00	-22.03	peak
41.45	2.36	43.81	54.00	-10.19	AVG
	(dBµV) 50.93 41.42 49.61	Reading       (dBµV)     (dB)       50.93     0.14       41.42     0.14       49.61     2.36	Reading     Level       (dBμV)     (dB)     (dBμV/m)       50.93     0.14     51.07       41.42     0.14     41.56       49.61     2.36     51.97	Reading     Level       (dBμV)     (dB)     (dBμV/m)     (dBμV/m)       50.93     0.14     51.07     74.00       41.42     0.14     41.56     54.00       49.61     2.36     51.97     74.00	Reading     Level       (dBμV)     (dB)     (dBμV/m)     (dBμV/m)     (dB)       50.93     0.14     51.07     74.00     -22.93       41.42     0.14     41.56     54.00     -12.44       49.61     2.36     51.97     74.00     -22.03

Remark:

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

EUT Name	Phone	Model Name	W635C
Temperature	18.5℃	Relative Humidity	56.1%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	Mode 2	Antenna Polarity	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
4874.000	49.03	0.14	49.17	74.00	-24.83	peak
4874.000	39.54	0.14	39.68	54.00	-14.32	AVG
7311.000	49.17	2.36	51.53	74.00	-22.47	peak
7311.000	40.80	2.36	43.16	54.00	-10.84	AVG

Remark:

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

## **RESULT: Pass**



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#### Radiated Emissions Test Results above 1GHz

EUT Name	Phone	Model Name	W635C
Temperature	18.5℃	Relative Humidity	56.1%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	Mode 3	Antenna Polarity	Horizontal

		Level	Limits	Margin	Value
(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
49.82	0.22	50.04	74.00	-23.96	peak
41.59	0.22	41.81	54.00	-12.19	AVG
50.74	2.64	53.38	74.00	-20.62	peak
39.57	2.64	42.21	54.00	-11.79	AVG
	49.82 41.59 50.74	49.82     0.22       41.59     0.22       50.74     2.64	49.82     0.22     50.04       41.59     0.22     41.81       50.74     2.64     53.38	49.82     0.22     50.04     74.00       41.59     0.22     41.81     54.00       50.74     2.64     53.38     74.00	49.82     0.22     50.04     74.00     -23.96       41.59     0.22     41.81     54.00     -12.19       50.74     2.64     53.38     74.00     -20.62

Remark:

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

EUT Name	Phone	Model Name	W635C
Temperature	18.5℃	Relative Humidity	56.1%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	Mode 3	Antenna Polarity	Vertical

Meter Reading	Factor	Emission Level	Limits	Margin	Value
(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
50.02	0.22	50.24	74.00	-23.76	peak
41.05	0.22	41.27	54.00	-12.73	AVG
50.36	2.64	53.00	74.00	-21.00	peak
41.01	2.64	43.65	54.00	-10.35	AVG
	Reading (dBµV) 50.02 41.05 50.36	Reading     Factor       (dBμV)     (dB)       50.02     0.22       41.05     0.22       50.36     2.64	Reading         Factor         Level           (dBμV)         (dB)         (dBμV/m)           50.02         0.22         50.24           41.05         0.22         41.27           50.36         2.64         53.00	Reading         Factor         Level         Limits           (dBμV)         (dB)         (dBμV/m)         (dBμV/m)           50.02         0.22         50.24         74.00           41.05         0.22         41.27         54.00           50.36         2.64         53.00         74.00	Reading         Factor         Level         Limits         Margin           (dBμV)         (dB)         (dBμV/m)         (dBμV/m)         (dB)           50.02         0.22         50.24         74.00         -23.76           41.05         0.22         41.27         54.00         -12.73           50.36         2.64         53.00         74.00         -21.00

Remark:

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

#### **RESULT: Pass**

- The amplitude of other spurious emissions from 1G to 25 GHz which are attenuated more than 20 dB below the permissible value need not be reported.
- 2. Factor = Antenna Factor + Cable loss Pre-amplifier gain, Margin = Emission Level-Limit.
- 3. The "Factor" value can be calculated automatically by software of measurement system.
- 4. All test modes had been pre-tested. The 802.11b is the worst case and recorded in the report.



## Test result for band edge emission at restricted bands

EUT	Phone	Model Name	W635C
Temperature	20.7°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	802.11b with data rate 1 2412MHz	Antenna	Horizontal

## Test Graph for Peak Measurement



Test Graph for Average Measurement



**RESULT: PASS** 



EUT	Phone	Model Name	W635C
Temperature	20.7°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	802.11b with data rate 1 2412MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement





EUT	Phone	Model Name	W635C
Temperature	20.7°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	802.11b with data rate 1 2462MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement





EUT	Phone	Model Name	W635C
Temperature	20.7°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	802.11b with data rate 1 2462MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



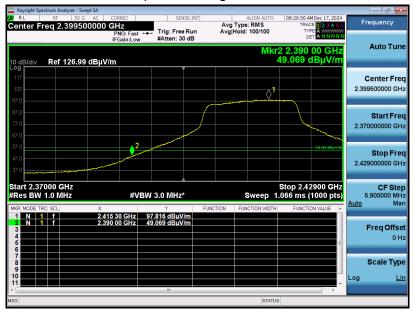


EUT	Phone	Model Name	W635C
Temperature	20.7°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	802.11g with data rate 6 2412MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



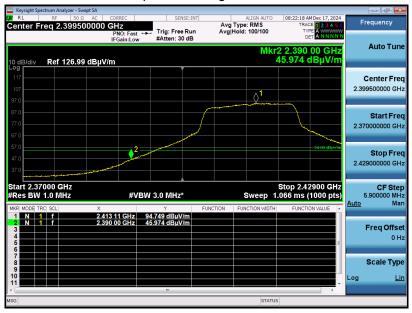


EUT	Phone	Model Name	W635C
Temperature	20.7°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	802.11g with data rate 6 2412MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement





EUT	Phone	Model Name	W635C
Temperature	20.7°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	802.11g with data rate 6 2462MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement





EUT	Phone	Model Name	W635C
Temperature	20.7°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	802.11g with data rate 6 2462MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement





EUT	Phone	Model Name	W635C
Temperature	20.7°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	802.11n20 with data rate 6.5 2412MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



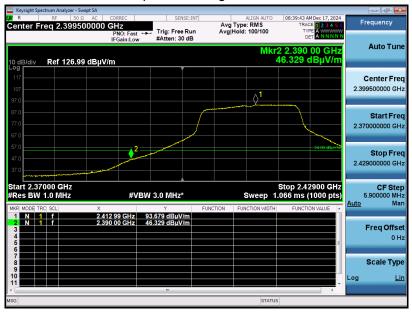


EUT	Phone	Model Name	W635C
Temperature	20.7°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	802.11n20 with data rate 6.5 2412MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement





EUT	Phone	Model Name	W635C
Temperature	20.7°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	802.11n20 with data rate 6.5 2462MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement





EUT	Phone	Model Name	W635C
Temperature	20.7°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	802.11n20 with data rate 6.5 2462MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



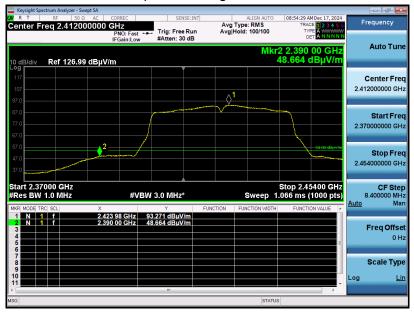


EUT	Phone	Model Name	W635C
Temperature	20.7°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	802.11n40 with data rate 13.5 2422MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement





EUT	Phone	Model Name	W635C
Temperature	20.7°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	802.11n40 with data rate 13.5 2422MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



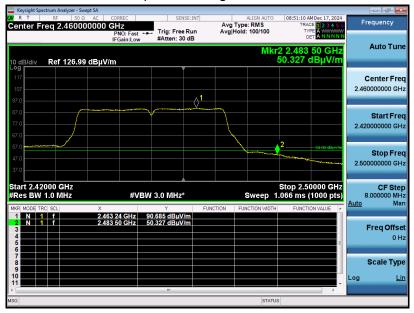


EUT	Phone	Model Name	W635C
Temperature	20.7°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	802.11n40 with data rate 13.5 2452MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



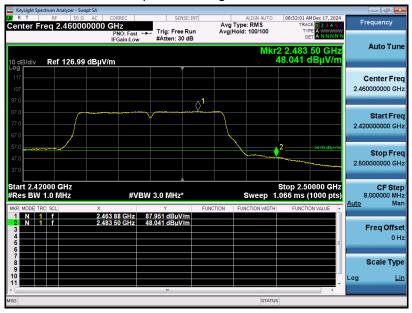


EUT	Phone	Model Name	W635C
Temperature	20.7°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 3.87V by battery
Test Mode	802.11n40 with data rate 13.5 2452MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement





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## 12. AC Power Line Conducted Emission

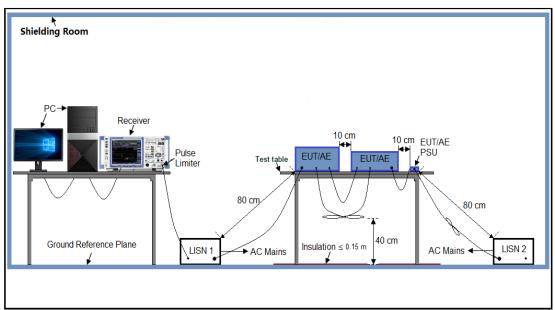
#### 12.1 Measurement Limits

Francisco	Maximum RF Line Voltage		
Frequency	Q.P (dBµV)	Average (dBμV)	
150kHz~500kHz	66-56	56-46	
500kHz~5MHz	56	46	
5MHz~30MHz	60	50	

#### Note:

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

## 12.2 Block Diagram of Line Conducted Emission Test





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## 12.3 Preliminary Procedure of Line Conducted Emission Test

- 1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- 2. Support equipment, if needed, was placed as per ANSI C63.10.
- 3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- 4. All support equipment received AC120V/60Hz power from a LISN, if any.
- 5. The EUT received DC 5V power from adapter which received AC120V/60Hz power from a LISN.
- 6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side).
- 7. Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 Ohm load; the second scan had Line 1 connected to a 50 Ohm load and Line 2 connected to the Analyzer / Receiver.
- 8. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- 9. During the above scans, the emissions were maximized by cable manipulation.
- 10. The test mode(s) were scanned during the preliminary test.

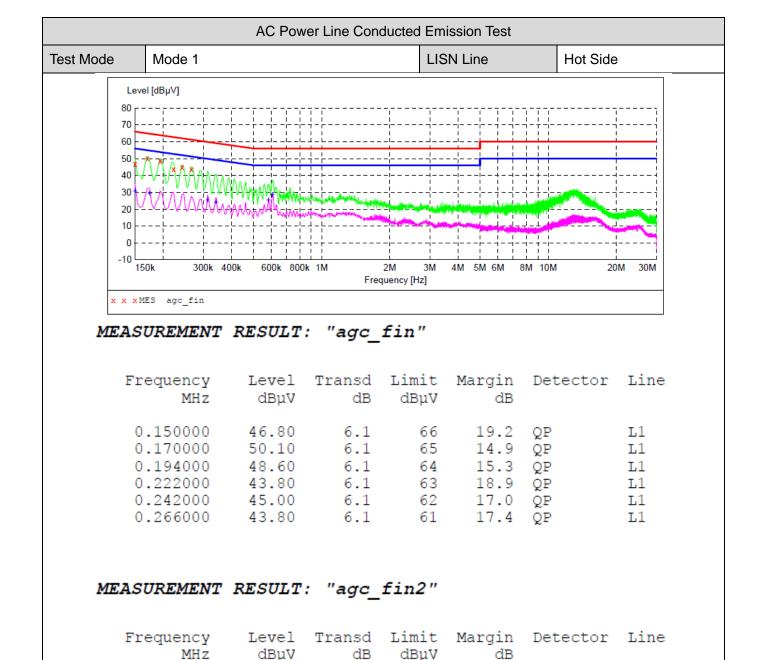
Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

### 12.4 Final Procedure of Line Conducted Emission Test

- 1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
- 2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less – 2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
- 3. The test data of the worst case was reported on the Summary Data page.

#### 12.5 Test Result of Line Conducted Emission Test





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6.1

6.1

6.1

6.1

6.2

6.2

56

55

50

49

46

46

25.1

25.1

24.4

25.0

20.7

17.4

ΑV

ΑV

ΑV

VA

ΑV

ΑV

L1

L1

L1

L1

L1

L1

0.150000

0.174000

0.314000

0.342000

0.582000

0.606000

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30.90

29.70

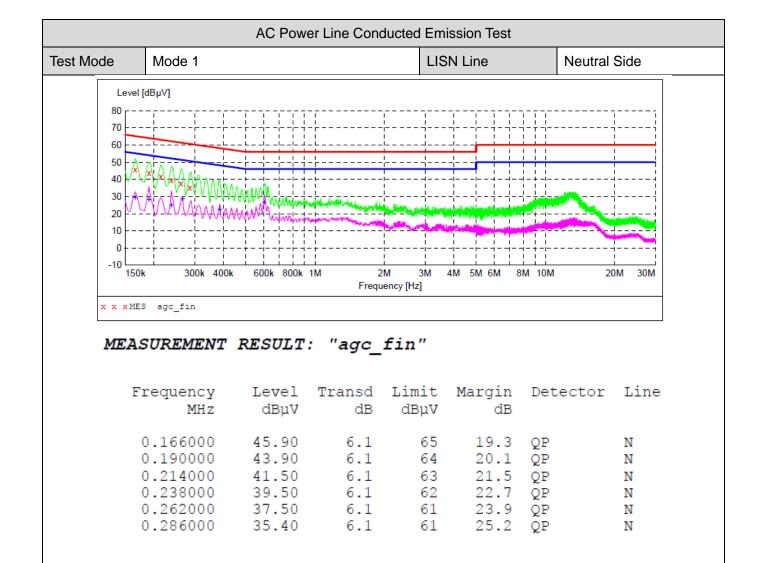
25.50

24.20

25.30

28.60



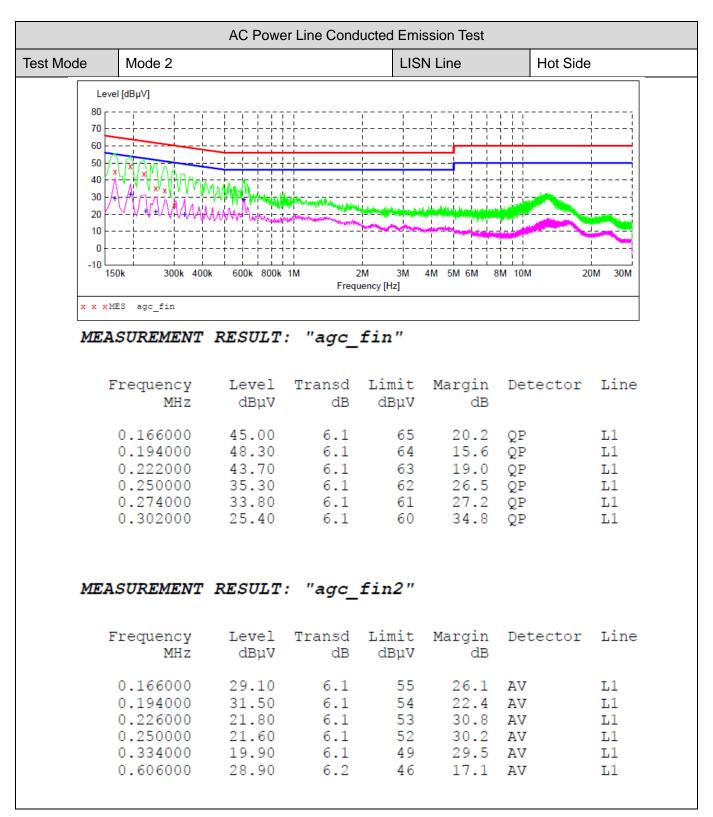


# MEASUREMENT RESULT: "agc\_fin2"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.166000 0.190000 0.238000 0.266000 0.386000 0.602000	29.70 28.20 25.10 28.90 22.50 26.80	6.1 6.1 6.1 6.1 6.2	55 54 52 51 48 46	27.1	AV AV AV	N N N N N

#### **RESULT: PASS**

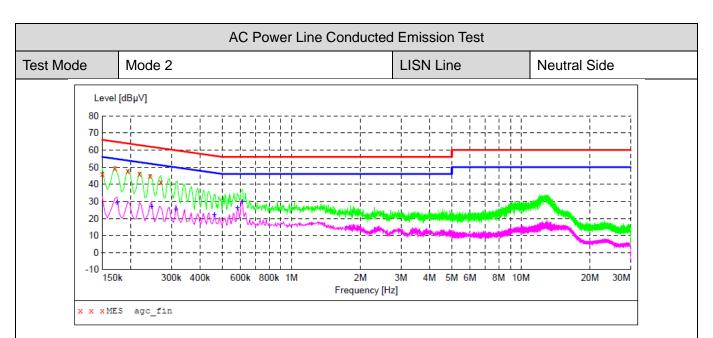




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# MEASUREMENT RESULT: "agc\_fin"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.150000	46.30	6.1	66	19.7	QP	N
0.170000	49.30	6.1	65	15.7	QP	N
0.194000	47.70	6.1	64	16.2	QP	N
0.218000	46.20	6.1	63	16.7	QP	N
0.242000	44.80	6.1	62	17.2	QP	N
0.270000	41.40	6.1	61	19.7	QP	N

# MEASUREMENT RESULT: "agc\_fin2"

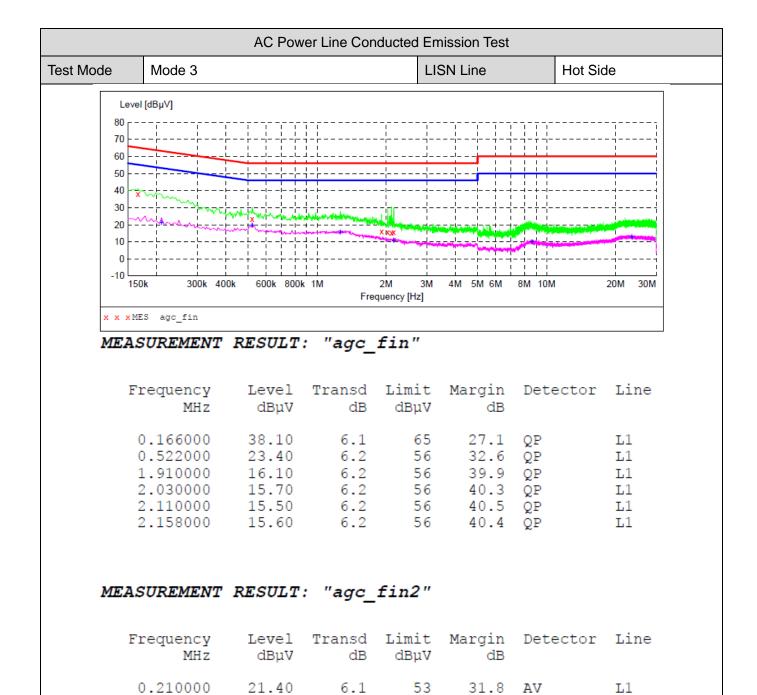
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.174000	29.30	6.1	55	25.5	VA	N
0.246000	27.10	6.1	52	24.8	VA	N
0.314000	25.50	6.1	50	24.4	VA	N
0.462000	22.20	6.1	47	24.5	VA	N
0.582000	26.40	6.2	46	19.6	VA	N
0.610000	30.10	6.2	46	15.9	VA	N

#### **RESULT: PASS**

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0.522000

1.262000

2.158000

8.622000

23.506000

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6.2

6.2

6.2

6.6

7.7

26.1

30.2

35.0

40.1

37.3

ΑV

ΑV

ΑV

ΑV

ΑV

46

46

46

50

50

L1

L1

L1

L1

L1

19.90

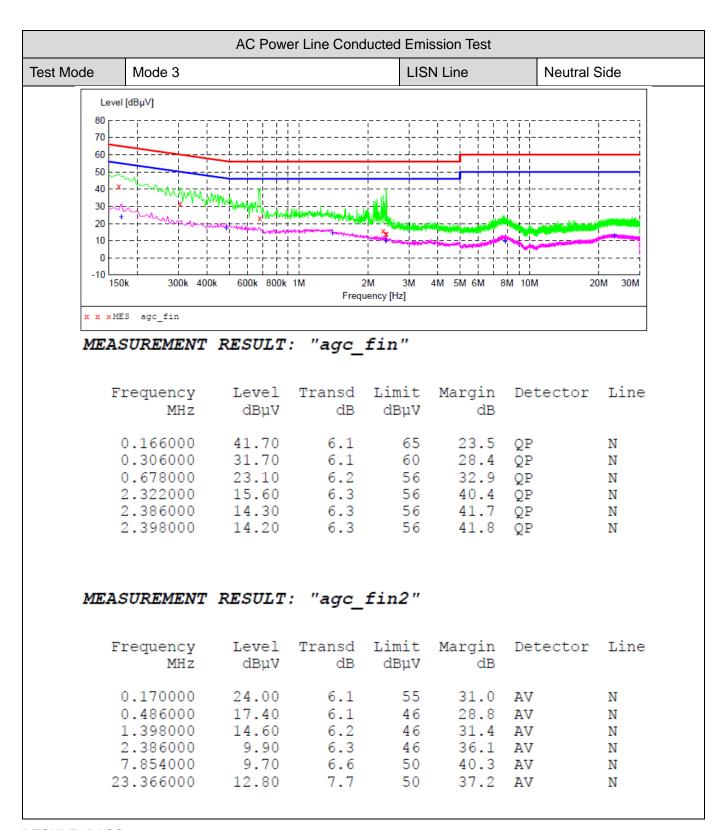
15.80

11.00

9.90

12.70

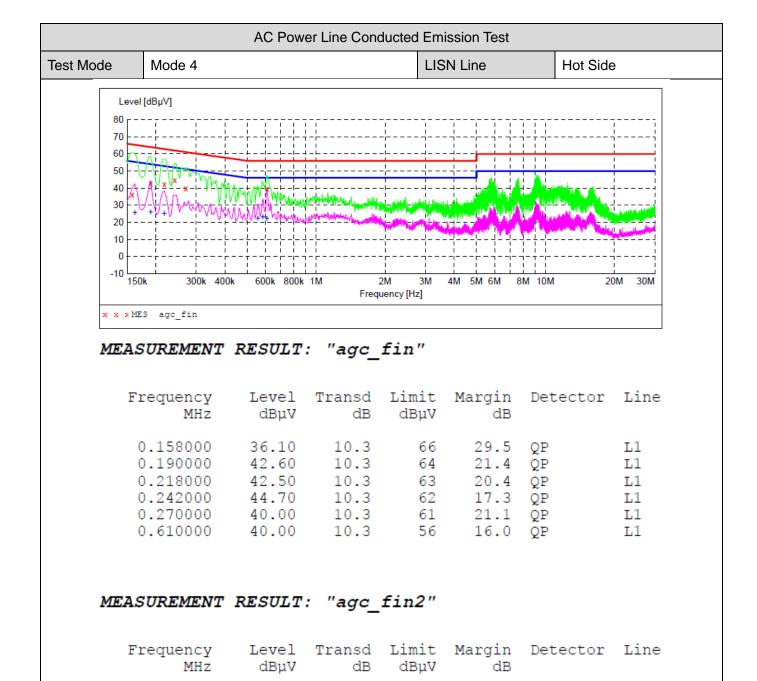




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10.3

10.3

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10.3

10.3

10.3

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46

29.6

28.0

27.7

23.5

22.8

23.4

ΑV

ΑV

ΑV

ΑV

ΑV

ΑV

L1

L1

L1

L1

L1

L1

0.162000

0.190000

0.218000

0.558000

0.586000

0.610000

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25.80

26.00

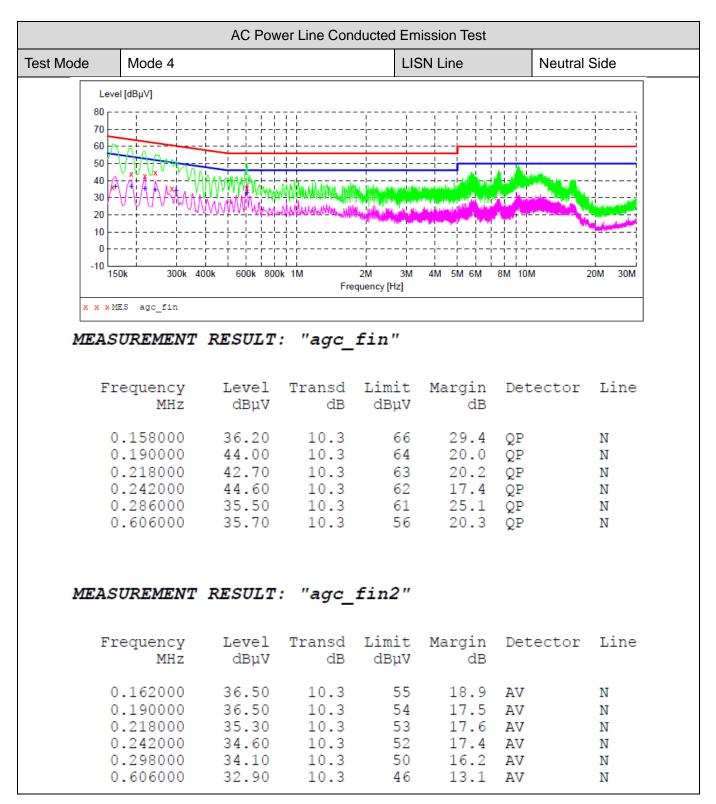
25.20

22.50

23.20

22.60





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# **Appendix I: Photographs of Test Setup**

Refer to the Report No.: AGC14499241202AP01

**Appendix II: Photographs of Test EUT** 

Refer to the Report No.: AGC14499241202AP02



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## Conditions of Issuance of Test Reports

- 1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").
- 2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.

  3.The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
- 4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
- 5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
- 6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations. 7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
- 8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
- 9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

----End of Report----