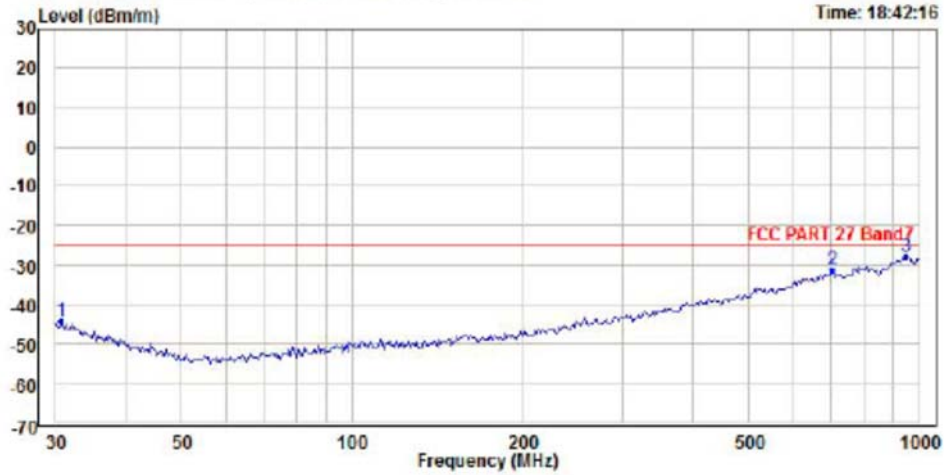


LTE Band 7; Bandwidth 20 MHz; Modulation: QPSK; RB:1;Mid Channel: 21100/2535MHz_Horizontal



File: F:\Test Template\Mobile Phone\3_02847.EMI

Time: 18:42:16



Condition : limit\FCC\FCC PART 27 Band7.csv 3m Horizontal
 Temp.(C)/Hum.(%): 24.3(C) / 58%
 Press : 100.29kPa
 Product : Mobile Phone
 Model No. : 2016102
 Power Rating : 3.85V@Battery
 Test Engineer : Kevin Liang
 Test Mode : LTE_Band7_20MBW_QPSK_Mid_1RB50

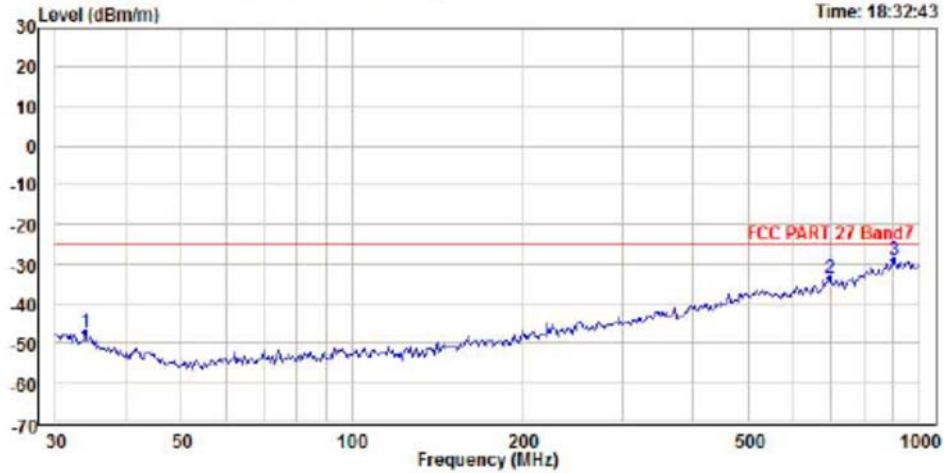
	Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	30.639160	-70.69	16.25	10.39	-44.05	-25.00	-19.05	Peak	Horizontal
2	703.73140	-67.29	22.81	13.41	-31.07	-25.00	-6.07	Peak	Horizontal
3	PP952.00010	-66.83	25.04	14.11	-27.68	-25.00	-2.68	Peak	Horizontal

LTE Band 7; Bandwidth 20 MHz; Modulation: QPSK; RB:1; Mid Channel: 21100/2535MHz_Verical



File: F:\Test Template\Mobile Phonee3_02840.EMI

Time: 18:32:43

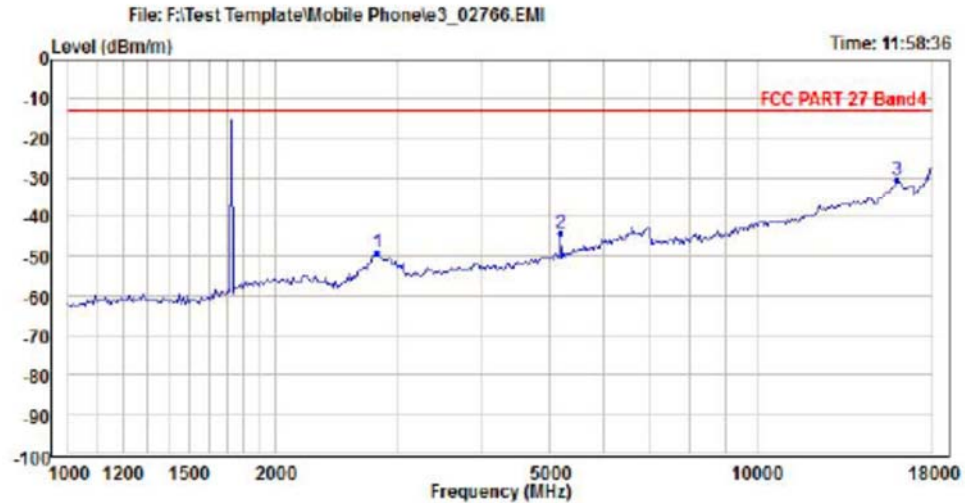


Condition : limit\FCC\FCC PART 27 Band7.csv 3m Vertical
 Temp.(C)/Hum.(%): 24.3(C) / 58%
 Press : 100.29kPa
 Product : Mobile Phone
 Model No. : 2016102
 Power Rating : 3.85V@Battery
 Test Engineer : Kevin Liang
 Test Mode : LTE_Band7_20MBW_QPSK_Mid_1RB50

	Read Freq	Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	33.806710	-71.05	13.54	10.44	-47.07	-25.00	-22.07	Peak	Vertical
2	693.91010	-68.14	21.08	13.39	-33.67	-25.00	-8.67	Peak	Vertical
3	PP906.30410	-66.72	23.75	13.98	-28.99	-25.00	-3.99	Peak	Vertical

5.7.4 Spurious Emission Test Data (1 GHz ~ 18 GHz)

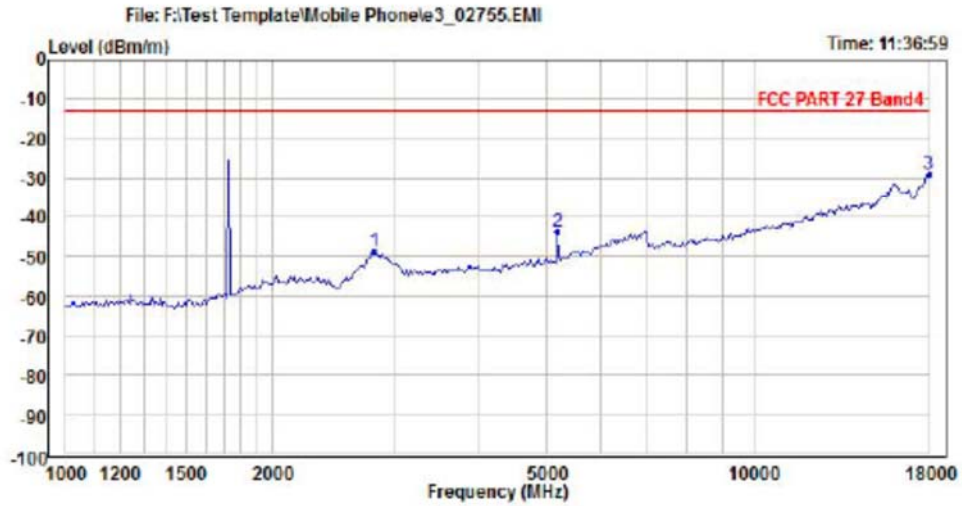
LTE Band 4; Bandwidth 1.4MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Horizontal



Condition : limit\FCC\FCC PART 27 Band4.csv 3m Horizontal
 Temp.(C)/Hum.(%): 24.3(C) / 58%
 Press : 100.29kPa
 Product : Mobile Phone
 Model No. : 2016102
 Power Rating : 3.85V@Battery
 Test Engineer : Kevin Liang
 Test Mode : LTE_Band4_1.4MBW_QPSK_Mid_1RB2
 Remark : Y

	Read Freq	Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	2803.9650	-56.09	-13.74	20.61	-49.22	-13.00	-36.22	Peak	Horizontal
2	5181.1200	-51.03	-9.49	16.34	-44.18	-13.00	-31.18	Peak	Horizontal
3	PP16031.010	-55.53	-3.07	28.17	-30.43	-13.00	-17.43	Peak	Horizontal

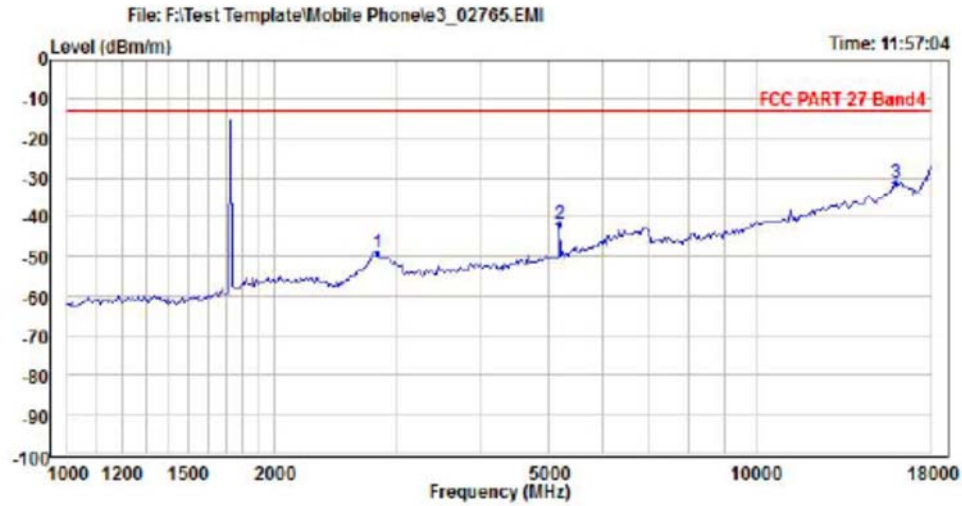
LTE Band 4; Bandwidth 1.4MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Vertical



Condition : limit\FCC\FCC PART 27 Band4.csv 3m Vertical
 Temp.(C)/Hum.(%): 24.3(C) / 58%
 Press : 100.29kPa
 Product : Mobile Phone
 Model No. : 2016102
 Power Rating : 3.85V@Battery
 Test Engineer : Kevin Liang
 Test Mode : LTE_Band4_1.4MBW_QPSK_Mid_1RB2
 Remark : Y

	Read Freq	Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	2803.9650	-55.29	-14.09	20.61	-48.77	-13.00	-35.77	Peak	Vertical
2	5181.1200	-49.47	-10.54	16.34	-43.67	-13.00	-30.67	Peak	Vertical
3	PP18000.000	-55.74	0.20	26.72	-28.82	-13.00	-15.82	Peak	Vertical

LTE Band 4; Bandwidth 3MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Horizontal



Condition : limit\FCC\FCC PART 27 Band4.csv 3m Horizontal
 Temp.(C)/Hum.(%): 24.3(C) / 58%
 Press : 100.29kPa
 Product : Mobile Phone
 Model No. : 2016102
 Power Rating : 3.85V@Battery
 Test Engineer : Kevin Liang
 Test Mode : LTE_Band4_3MBW_QPSK_Mid_1RB7
 Remark : Y

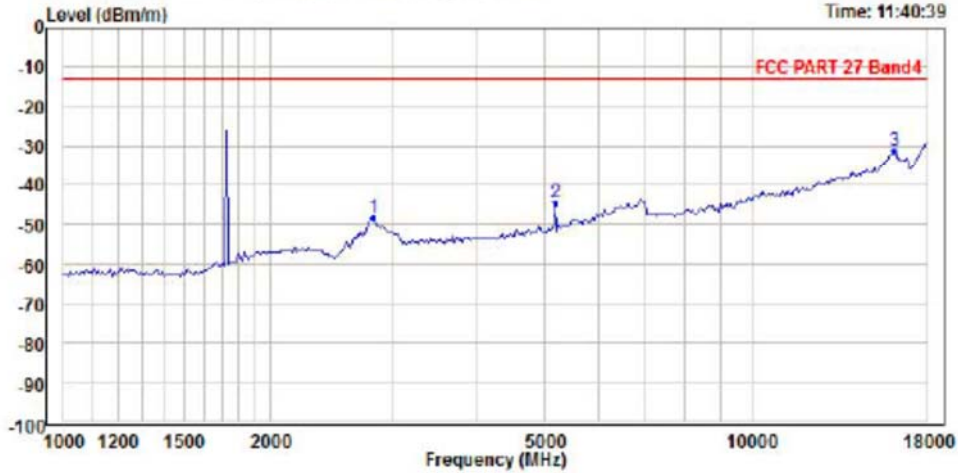
	Read Freq	Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	2820.2530	-55.66	-13.72	20.38	-49.00	-13.00	-36.00	Peak	Horizontal
2	5181.1200	-48.60	-9.49	16.34	-41.75	-13.00	-28.75	Peak	Horizontal
3	PP16031.010	-56.11	-3.07	28.17	-31.01	-13.00	-18.01	Peak	Horizontal

LTE Band 4; Bandwidth 3MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Verical



File: F:\Test Template\Mobile Phone\3_02756.EMI

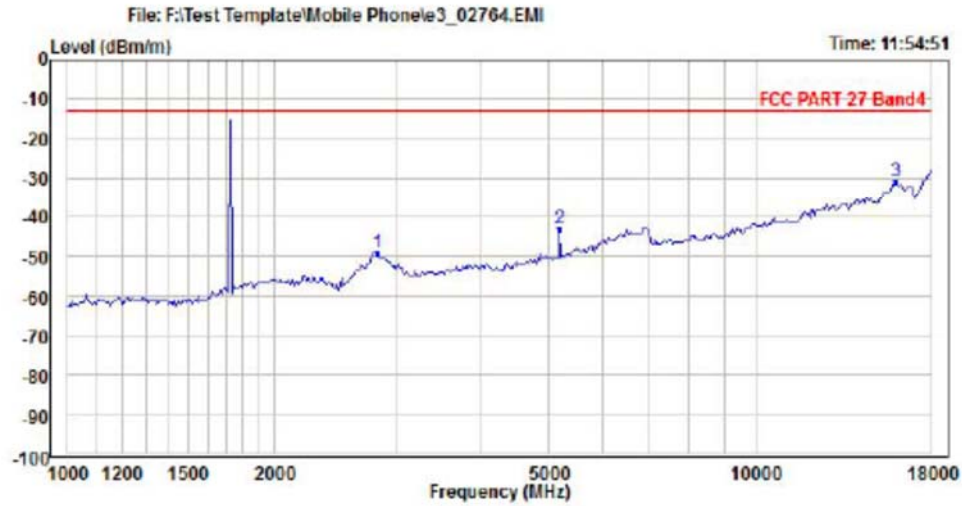
Time: 11:40:39



Condition : limit\FCC\FCC PART 27 Band4.csv 3m Vertical
 Temp.(C)/Hum.(%): 24.3(C) / 58%
 Press : 100.29kPa
 Product : Mobile Phone
 Model No. : 2016102
 Power Rating : 3.85V@Battery
 Test Engineer : Kevin Liang
 Test Mode : LTE_Band4_3MBW_QPSK_Mid_1RB7
 Remark : Y

	Read Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	2820.2530	-54.72	-14.06	20.38	-48.40	-13.00	-35.40	Peak	Vertical
2	5181.1200	-50.42	-10.54	16.34	-44.62	-13.00	-31.62	Peak	Vertical
3	PP16124.140	-54.62	-4.50	27.85	-31.27	-13.00	-18.27	Peak	Vertical

LTE Band 4; Bandwidth 5MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Horizontal



Condition : limit\FCC\FCC PART 27 Band4.csv 3m Horizontal
 Temp.(C)/Hum.(%): 24.3(C) / 58%
 Press : 100.29kPa
 Product : Mobile Phone
 Model No. : 2016102
 Power Rating : 3.85V@Battery
 Test Engineer : Kevin Liang
 Test Mode : LTE_Band4_5MBW_QPSK_Mid_1RB12
 Remark : Y

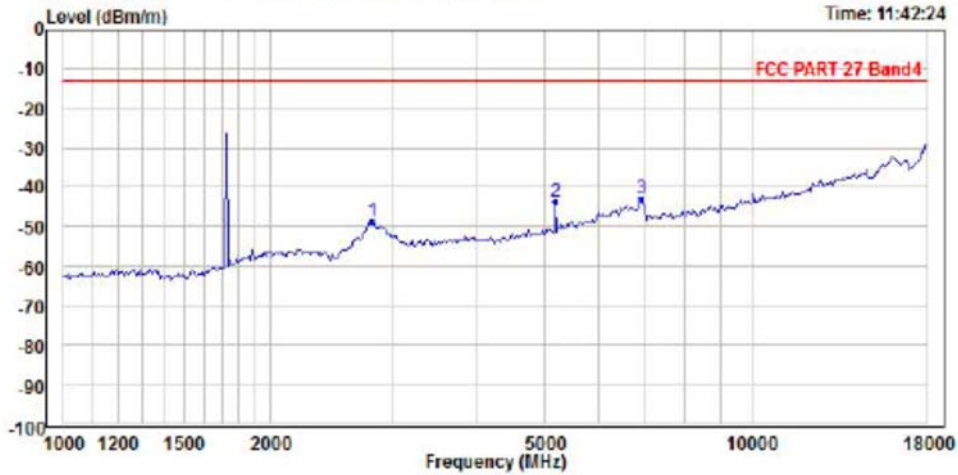
	Read Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	2820.2530	-55.53	-13.72	20.38	-48.87	-13.00	-35.87	Peak	Horizontal
2	5181.1200	-49.66	-9.49	16.34	-42.81	-13.00	-29.81	Peak	Horizontal
3	PP16031.010	-55.99	-3.07	28.17	-30.89	-13.00	-17.89	Peak	Horizontal

LTE Band 4; Bandwidth 5MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Verical



File: F:\Test Template\Mobile Phonee3_02757.EMI

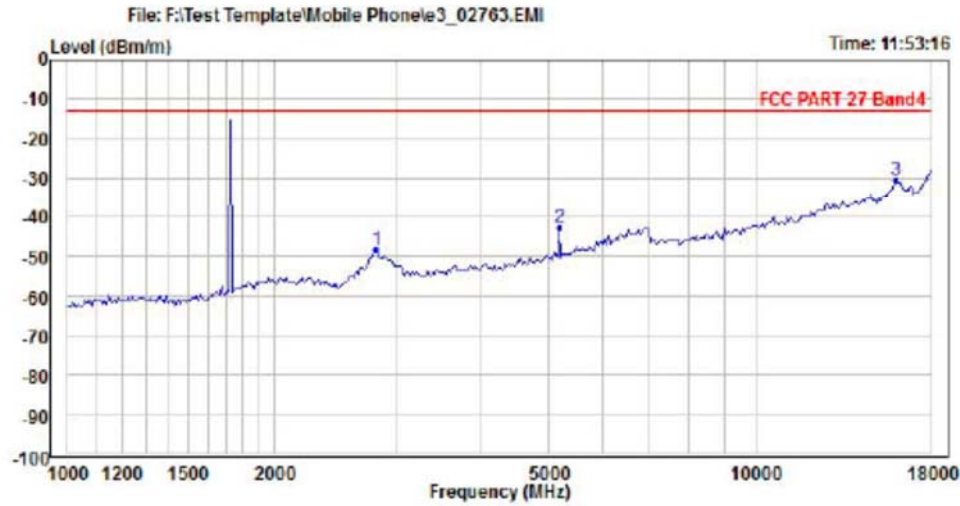
Time: 11:42:24



Condition : limit\FCC\FCC PART 27 Band4.csv 3m Vertical
 Temp.(C)/Hum.(%): 24.3(C) / 58%
 Press : 100.29kPa
 Product : Mobile Phone
 Model No. : 2016102
 Power Rating : 3.85V@Battery
 Test Engineer : Kevin Liang
 Test Mode : LTE_Band4_5MBW_QPSK_Mid_1RB12
 Remark : Y

	Read Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	2803.9650	-55.23	-14.09	20.61	-48.71	-13.00	-35.71	Peak	Vertical
2	5181.1200	-49.44	-10.54	16.34	-43.64	-13.00	-30.64	Peak	Vertical
3	PP6921.5350	-52.04	-9.30	18.34	-43.00	-13.00	-30.00	Peak	Vertical

LTE Band 4; Bandwidth 10MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Horizontal



```

Condition       : limit\FCC\FCC PART 27 Band4.csv 3m Horizontal
Temp.(C)/Hum.(%) : 24.3(C) / 58%
Press          : 100.29kPa
Product        : Mobile Phone
Model No.      : 2016102
Power Rating   : 3.85V@Battery
Test Engineer  : Kevin Liang
Test Mode      : LTE_Band4_10MBW_QPSK_Mid_1RB24
Remark        : Y
    
```

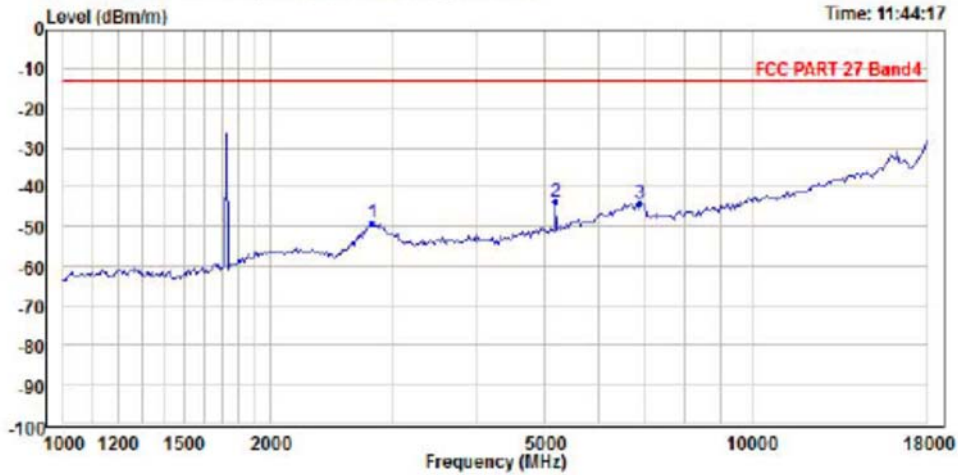
	Read Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	2803.9650	-55.08	-13.74	20.61	-48.21	-13.00	-35.21	Peak	Horizontal
2	5181.1200	-49.56	-9.49	16.34	-42.71	-13.00	-29.71	Peak	Horizontal
3	PP16031.010	-55.60	-3.07	28.17	-30.50	-13.00	-17.50	Peak	Horizontal

LTE Band 4; Bandwidth 10MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Vertical



File: F:\Test Template\Mobile Phonee3_02758.EMI

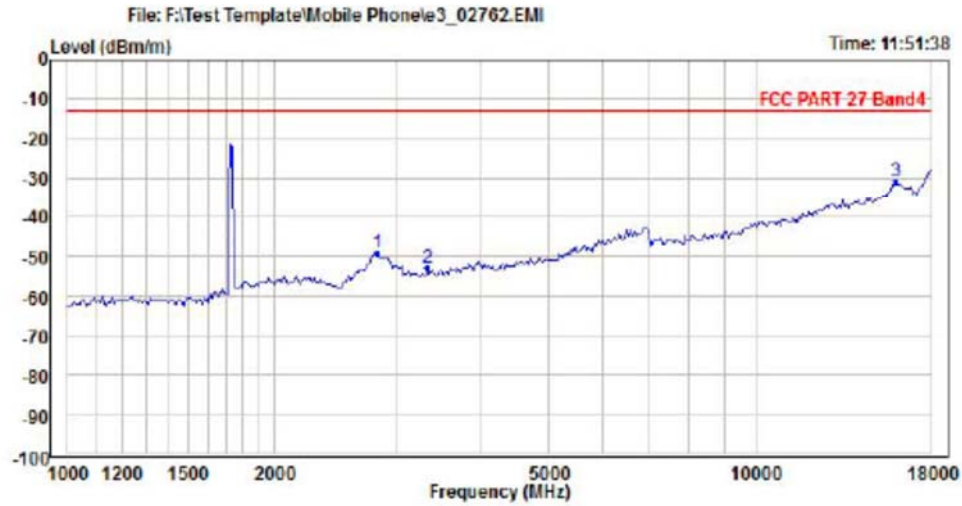
Time: 11:44:17



Condition : limit\FCC\FCC PART 27 Band4.csv 3m Vertical
 Temp.(C)/Hum.(%): 24.3(C) / 58%
 Press : 100.29kPa
 Product : Mobile Phone
 Model No. : 2016102
 Power Rating : 3.85V@Battery
 Test Engineer : Kevin Liang
 Test Mode : LTE_Band4_10MBW_QPSK_Mid_1RB24
 Remark : Y

	Read Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	2803.9650	-55.63	-14.09	20.61	-49.11	-13.00	-36.11	Peak	Vertical
2	PPS181.1200	-49.45	-10.54	16.34	-43.65	-13.00	-30.65	Peak	Vertical
3	6881.5600	-53.08	-9.30	18.31	-44.07	-13.00	-31.07	Peak	Vertical

LTE Band 4; Bandwidth 15MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Horizontal



```

Condition       : limit\FCC\FCC PART 27 Band4.csv 3m Horizontal
Temp.(C)/Hum.(%) : 24.3(C) / 58%
Press          : 100.29kPa
Product        : Mobile Phone
Model No.      : 2016102
Power Rating   : 3.85V@Battery
Test Engineer  : Kevin Liang
Test Mode      : LTE_Band4_15MBW_QPSK_Mid_1RB37
Remark        : Y
    
```

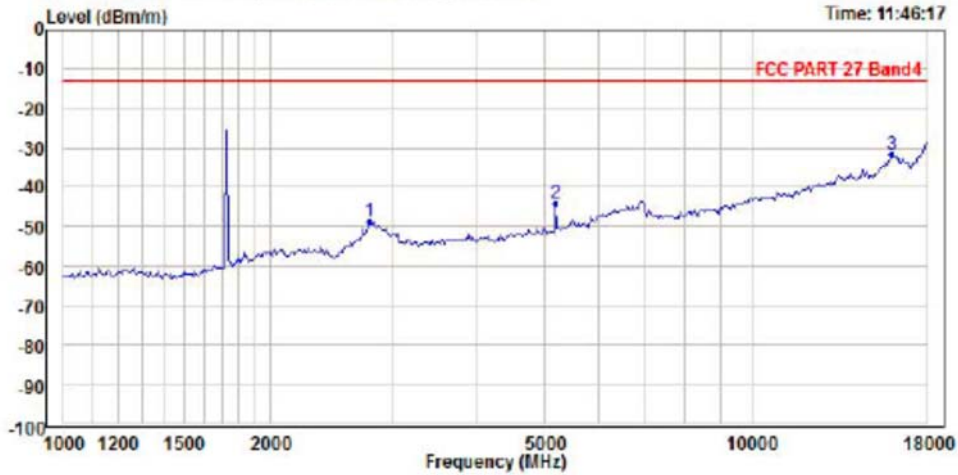
	Read Freq	Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	2820.2530	-55.83	-13.72	20.38	-49.17	-13.00	-36.17	Peak	Horizontal
2	3336.1060	-56.02	-12.72	16.03	-52.71	-13.00	-39.71	Peak	Horizontal
3	PP16031.010	-55.74	-3.07	28.17	-30.64	-13.00	-17.64	Peak	Horizontal

LTE Band 4; Bandwidth 15MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Vertical



File: F:\Test Template\Mobile Phone\3_02759.EMI

Time: 11:46:17

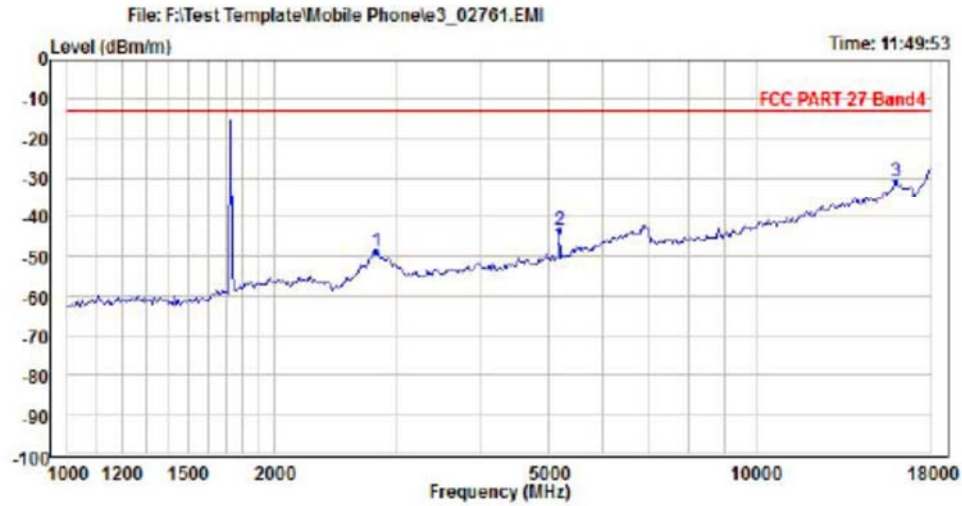


```

Condition       : limit\FCC\FCC PART 27 Band4.csv 3m Vertical
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press          : 100.29kPa
Product        : Mobile Phone
Model No.      : 2016102
Power Rating   : 3.85V@Battery
Test Engineer  : Kevin Liang
Test Mode      : LTE_Band4_15MBW_QPSK_Mid_1RB37
Remark        : Y
    
```

	Read Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	2787.7700	-54.97	-14.12	20.38	-48.71	-13.00	-35.71	Peak	Vertical
2	5181.1200	-50.07	-10.54	16.34	-44.27	-13.00	-31.27	Peak	Vertical
3	PP16031.010	-55.36	-4.35	28.17	-31.54	-13.00	-18.54	Peak	Vertical

LTE Band 4; Bandwidth 20MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Horizontal



Condition : limit\FCC\FCC PART 27 Band4.csv 3m Horizontal
 Temp.(C)/Hum.(%): 24.3(C) / 58%
 Press : 100.29kPa
 Product : Mobile Phone
 Model No. : 2016102
 Power Rating : 3.85V@Battery
 Test Engineer : Kevin Liang
 Test Mode : LTE_Band4_20MBW_QPSK_Mid_1RB50
 Remark : Y

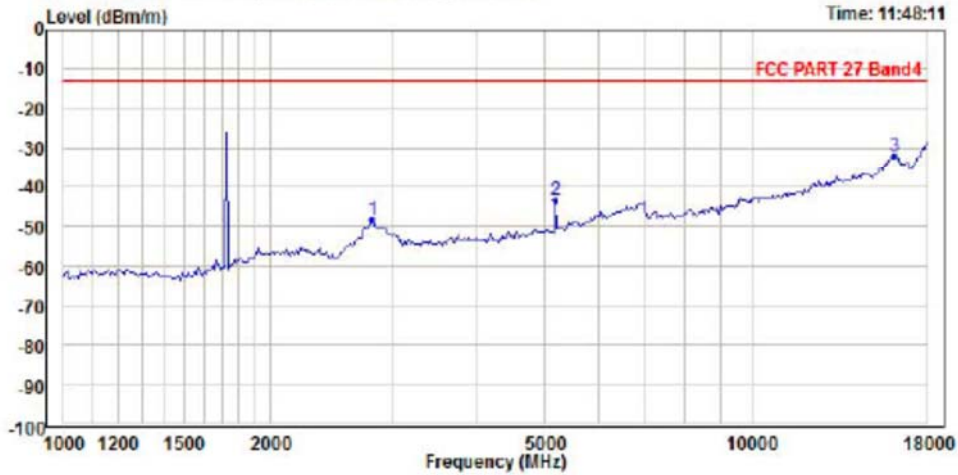
	Read Freq	Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	2803.9650	-55.41	-13.74	20.61	-48.54	-13.00	-35.54	Peak	Horizontal
2	5181.1200	-50.20	-9.49	16.34	-43.35	-13.00	-30.35	Peak	Horizontal
3	PP16031.010	-55.84	-3.07	28.17	-30.74	-13.00	-17.74	Peak	Horizontal

LTE Band 4; Bandwidth 20MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Vertical



File: F:\Test Template\Mobile Phone\3_02760.EMI

Time: 11:48:11

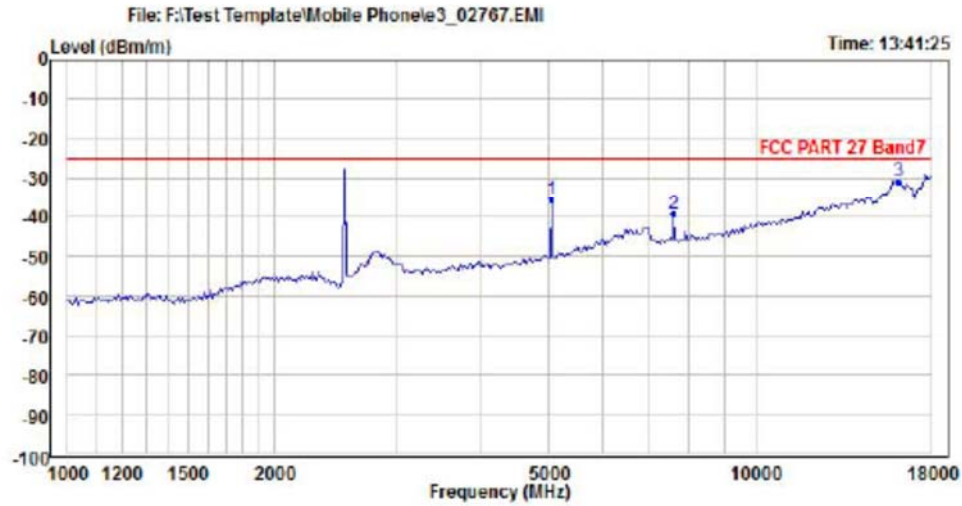


```

Condition       : limit\FCC\FCC PART 27 Band4.csv 3m Vertical
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press          : 100.29kPa
Product        : Mobile Phone
Model No.      : 2016102
Power Rating   : 3.85V@Battery
Test Engineer  : Kevin Liang
Test Mode      : LTE_Band4_20MBW_QPSK_Mid_1RB50
Remark        : Y
    
```

	Read Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	2803.9650	-54.95	-14.09	20.61	-48.43	-13.00	-35.43	Peak	Vertical
2	5181.1200	-49.21	-10.54	16.34	-43.41	-13.00	-30.41	Peak	Vertical
3	PP16124.140	-55.22	-4.50	27.85	-31.87	-13.00	-18.87	Peak	Vertical

LTE Band 7; Bandwidth 5.0 MHz; Modulation: QPSK; RB:1;Mid Channel: 21100/2535MHz_Horizontal



Condition : limit\FCC\FCC PART 27 Band7.csv 3m Horizontal
 Temp.(C)/Hum.(%): 24.3(C) / 58%
 Press : 100.29kPa
 Product : Mobile Phone
 Model No. : 2016102
 Power Rating : 3.85V@Battery
 Test Engineer : Kevin Liang
 Test Mode : LTE_Band7_5MBW_QPSK_Mid_1RB12
 Remark : Y

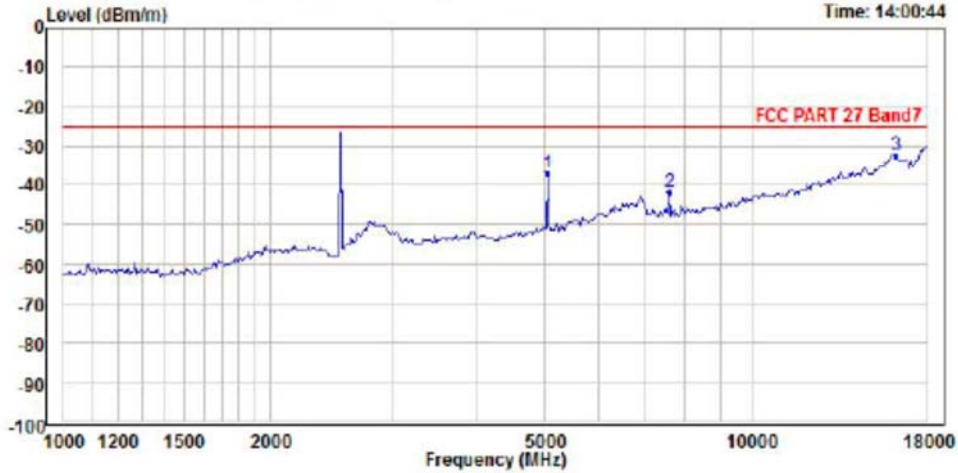
	Read Freq	Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	5062.4570	-42.15	-9.83	16.44	-35.54	-25.00	-10.54	Peak	Horizontal
2	7593.6690	-49.34	-8.04	18.32	-39.06	-25.00	-14.06	Peak	Horizontal
3	PP16124.140	-55.18	-3.30	27.85	-30.63	-25.00	-5.63	Peak	Horizontal

LTE Band 7; Bandwidth 5.0 MHz; Modulation: QPSK; RB:1; Mid Channel: 21100/2535MHz_Vertical



File: F:\Test Template\Mobile Phone\3_02774.EMI

Time: 14:00:44

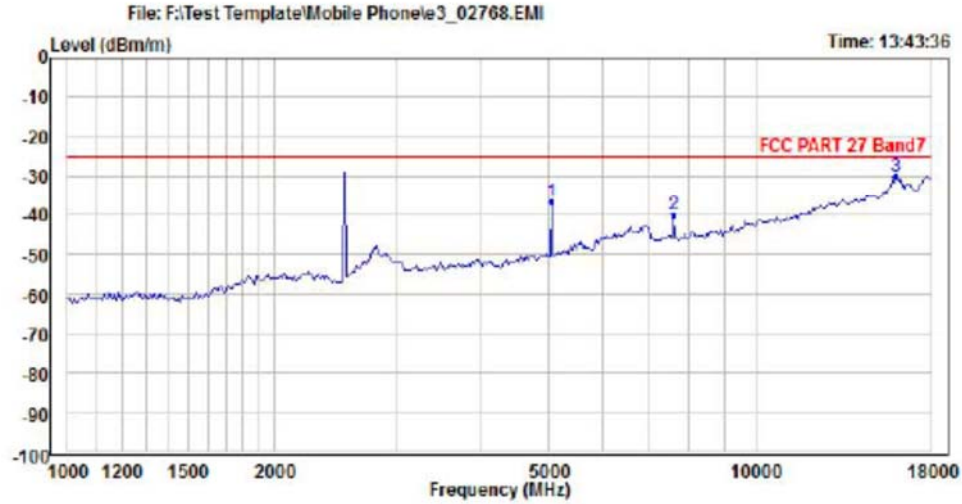


```

Condition       : limit\FCC\FCC PART 27 Band7.csv 3m Vertical
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press          : 100.29kPa
Product        : Mobile Phone
Model No.      : 2016102
Power Rating   : 3.85V@Battery
Test Engineer  : Kevin Liang
Test Mode      : LTE_Band7_5MBW_QPSK_Mid_1RB12
Remark        : Y
    
```

	Read Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	5062.4570	-42.63	-10.78	16.44	-36.97	-25.00	-11.97	Peak	Vertical
2	7593.6690	-50.72	-9.24	18.32	-41.64	-25.00	-16.64	Peak	Vertical
3	PP16217.810	-55.07	-4.65	27.54	-32.18	-25.00	-7.18	Peak	Vertical

LTE Band 7; Bandwidth 10 MHz; Modulation: QPSK; RB:1;Mid Channel: 21100/2535MHz_Horizontal



```

Condition       : limit\FCC\FCC PART 27 Band7.csv 3m Horizontal
Temp.(C)/Hum.(%) : 24.3(C) / 58%
Press          : 100.29kPa
Product        : Mobile Phone
Model No.      : 2016102
Power Rating   : 3.85V@Battery
Test Engineer  : Kevin Liang
Test Mode      : LTE_Band7_10MBW_QPSK_Mid_1RB24
Remark        : Y
    
```

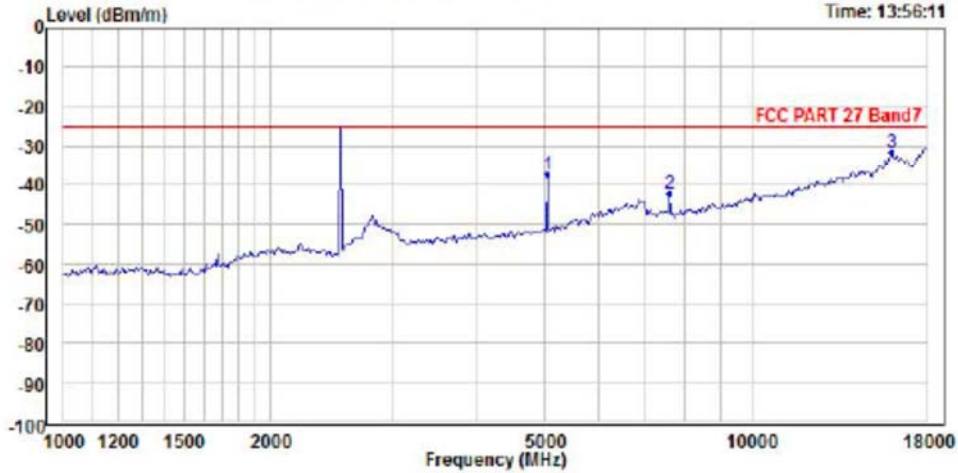
	Read Freq	Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	5062.4570	-43.25	-9.83	16.44	-36.64	-25.00	-11.64	Peak	Horizontal
2	7593.6690	-50.14	-8.04	18.32	-39.86	-25.00	-14.86	Peak	Horizontal
3	PP16031.010	-55.15	-3.07	28.17	-30.05	-25.00	-5.05	Peak	Horizontal

LTE Band 7; Bandwidth 10 MHz; Modulation: QPSK; RB:1; Mid Channel: 21100/2535MHz_Verical



File: F:\Test Template\Mobile Phone\3_02773.EMI

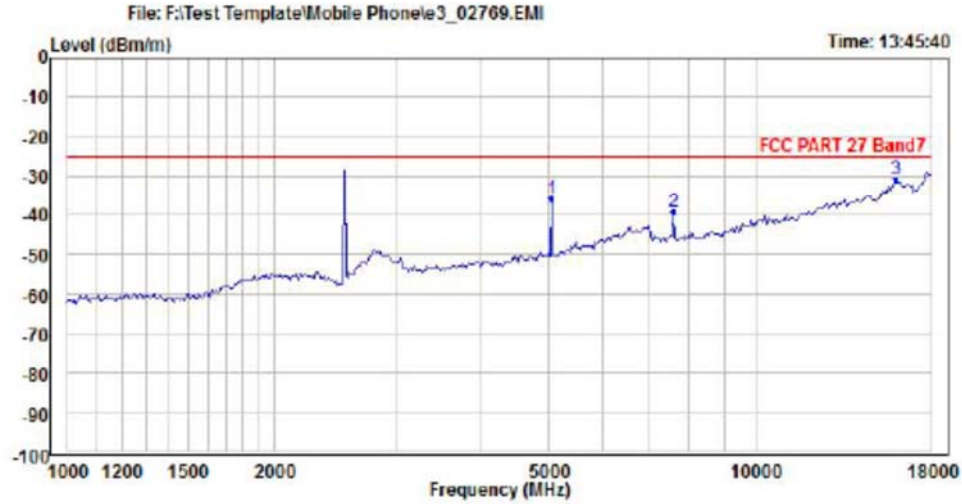
Time: 13:56:11



Condition : limit\FCC\FCC PART 27 Band7.csv 3m Vertical
 Temp.(C)/Hum.(%): 24.3(C) / 58%
 Press : 100.29kPa
 Product : Mobile Phone
 Model No. : 2016102
 Power Rating : 3.85V@Battery
 Test Engineer : Kevin Liang
 Test Mode : LTE_Band7_10MBW_QPSK_Mid_1RB24
 Remark : Y

	Read Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	5062.4570	-42.76	-10.78	16.44	-37.10	-25.00	-12.10	Peak	Vertical
2	7593.6690	-51.24	-9.24	18.32	-42.16	-25.00	-17.16	Peak	Vertical
3	PP16031.010	-55.38	-4.35	28.17	-31.56	-25.00	-6.56	Peak	Vertical

LTE Band 7; Bandwidth 15 MHz; Modulation: QPSK; RB:1;Mid Channel: 21100/2535MHz_Horizontal



Condition : limit\FCC\FCC PART 27 Band7.csv 3m Horizontal
 Temp.(C)/Hum.(%): 24.3(C) / 58%
 Press : 100.29kPa
 Product : Mobile Phone
 Model No. : 2016102
 Power Rating : 3.85V@Battery
 Test Engineer : Kevin Liang
 Test Mode : LTE_Band7_15MBW_QPSK_Mid_1RB37
 Remark : Y

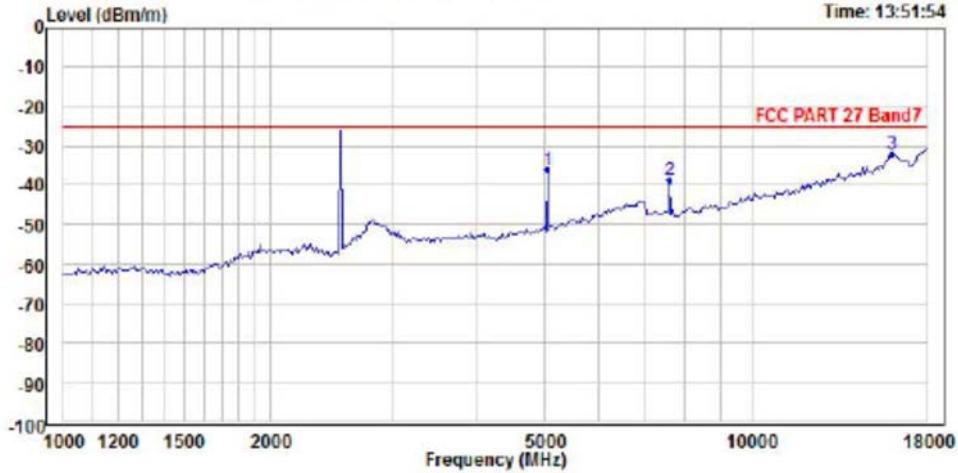
	Read Freq	Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	5062.4570	-42.51	-9.83	16.44	-35.90	-25.00	-10.90	Peak	Horizontal
2	7593.6690	-49.53	-8.04	18.32	-39.25	-25.00	-14.25	Peak	Horizontal
3	PP16031.010	-56.03	-3.07	28.17	-30.93	-25.00	-5.93	Peak	Horizontal

LTE Band 7; Bandwidth 15 MHz; Modulation: QPSK; RB:1; Mid Channel: 21100/2535MHz_Verical



File: F:\Test Template\Mobile Phone\3_02772.EMI

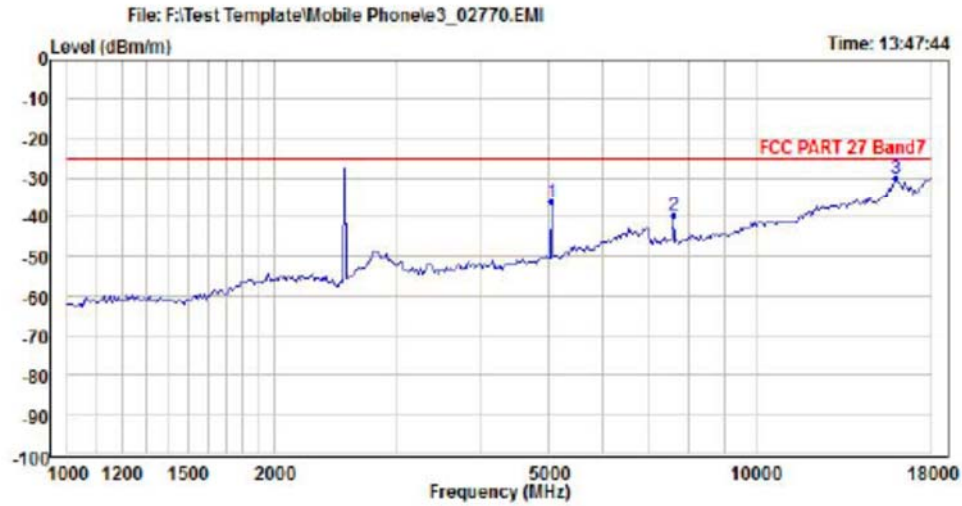
Time: 13:51:54



Condition : limit\FCC\FCC PART 27 Band7.csv 3m Vertical
 Temp.(C)/Hum.(%): 24.3(C) / 58%
 Press : 100.29kPa
 Product : Mobile Phone
 Model No. : 2016102
 Power Rating : 3.85V@Battery
 Test Engineer : Kevin Liang
 Test Mode : LTE_Band7_15MBW_QPSK_Mid_1RB37
 Remark : Y

	Read Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	5062.4570	-41.64	-10.78	16.44	-35.98	-25.00	-10.98	Peak	Vertical
2	7593.6690	-47.68	-9.24	18.32	-38.60	-25.00	-13.60	Peak	Vertical
3	PP16031.010	-55.83	-4.35	28.17	-32.01	-25.00	-7.01	Peak	Vertical

LTE Band 7; Bandwidth 20 MHz; Modulation: QPSK; RB:1;Mid Channel: 21100/2535MHz_Horizontal



Condition : limit\FCC\FCC PART 27 Band7.csv 3m Horizontal
 Temp.(C)/Hum.(%): 24.3(C) / 58%
 Press : 100.29kPa
 Product : Mobile Phone
 Model No. : 2016102
 Power Rating : 3.85V@Battery
 Test Engineer : Kevin Liang
 Test Mode : LTE_Band7_20MBW_QPSK_Mid_1RB50
 Remark : Y

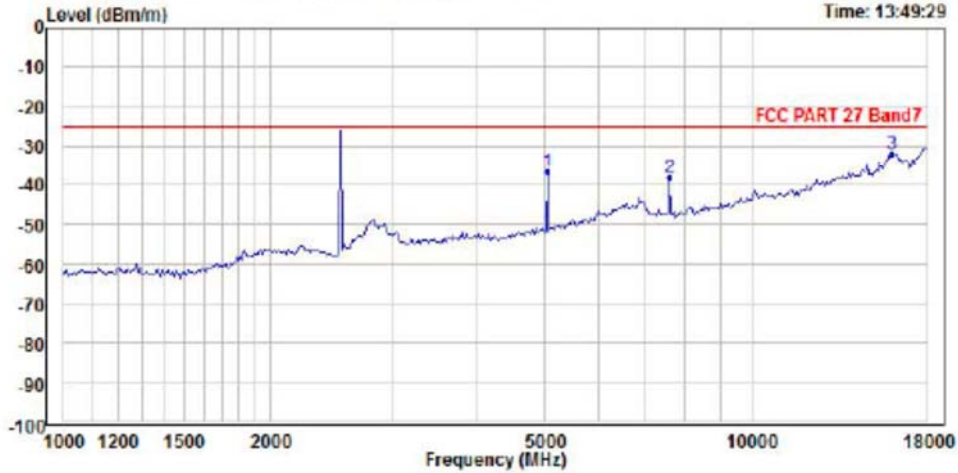
	Read Freq	Ant Level	Cable Factor	Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	5062.4570	-42.90	-9.83	16.44	-36.29	-25.00	-11.29	Peak	Horizontal
2	7593.6690	-49.66	-8.04	18.32	-39.38	-25.00	-14.38	Peak	Horizontal
3	PP16031.010	-55.18	-3.07	28.17	-30.08	-25.00	-5.08	Peak	Horizontal

LTE Band 7; Bandwidth 20 MHz; Modulation: QPSK; RB:1; Mid Channel: 21100/2535MHz_Verical



File: F:\Test Template\Mobile Phone\3_02771.EMI

Time: 13:49:29



Condition : limit\FCC\FCC PART 27 Band7.csv 3m Vertical
 Temp.(C)/Hum.(%): 24.3(C) / 58%
 Press : 100.29kPa
 Product : Mobile Phone
 Model No. : 2016102
 Power Rating : 3.85V@Battery
 Test Engineer : Kevin Liang
 Test Mode : LTE_Band7_20MBW_QPSK_Mid_1RB50
 Remark : Y

	Read Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	5062.4570	-42.28	-10.78	16.44	-36.62	-25.00	-11.62	Peak	Vertical
2	7593.6690	-47.29	-9.24	18.32	-38.21	-25.00	-13.21	Peak	Vertical
3	PP16031.010	-55.94	-4.35	28.17	-32.12	-25.00	-7.12	Peak	Vertical

5.8 Frequency stability

Test Requirement: FCC 47 CFR Part 2.1055 & Part 24.235
Test Method: ANSI/TIA/EIA-603-D 2010 & KDB 971168 D01v02r02
Limit: The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.
Test Procedure:

- 1) Use CMW 500 or CMU 200 with Frequency Error measurement capability.
 - a) Temp. = -30° to +50°C
 The applicant declared that the normal operating temperature of the EUT is from -30° to +50°C. The EUT would shut down automatically as below -10°C.
 - b) Voltage = low voltage, 3.6Vdc, Normal, 3.84Vdc and High voltage, 4.35Vdc.
 The applicant defined the normal working voltage of the battery is from 3.6 ~ 4.4Vdc.
- 2) Frequency Stability vs Temperature:
 The EUT is place inside a temperature chamber. The temperature is set to 20°C and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured. The temperature is increased by 10 degrees, allowed to stabilize and soak, and then the measurement is repeated. This is repeated until +50°C is reached.
- 3) Frequency Stability vs Voltage:
 The peak frequency error is recorded (worst-case).

Test Setup: Refer to section 4.1.1(3) for details.
Instruments Used: Refer to section 3 for details
Test Mode: Link mode
Test Results: Pass
Test Data:

Modulation	Channel/Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/Fail
LTE Band 4; Channel Bandwidth: 20 MHz							
QPSK	20175/1732.5	3.6	Normal	7	0.0040	± 2.5	PASS
		3.85		4	0.0023	± 2.5	PASS
		4.4		9	0.0052	± 2.5	PASS
		3.85	50	12	0.0069	± 2.5	PASS
			40	14	0.0081	± 2.5	PASS
			30	11	0.0063	± 2.5	PASS
			20	6	0.0035	± 2.5	PASS
			20	4	0.0023	± 2.5	PASS
			0	7	0.0040	± 2.5	PASS
			-10	3	0.0017	± 2.5	PASS
			-20	6	0.0035	± 2.5	PASS
			-30	8	0.0046	± 2.5	PASS
			50	12	0.0069	± 2.5	PASS
			40	14	0.0081	± 2.5	PASS

Modulation	Channel/Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/Fail
LTE Band 7; Channel Bandwidth: 20 MHz							
QPSK	21100/2535	3.6	Normal	-5	-0.0020	± 2.5	PASS
		3.85		-9	-0.0036	± 2.5	PASS
		4.4		-5	-0.0020	± 2.5	PASS
	3.85	50	-14	-0.0055	± 2.5	PASS	
		40	-13	-0.0051	± 2.5	PASS	
		30	-10	-0.0039	± 2.5	PASS	
		20	-7	-0.0028	± 2.5	PASS	
		20	5	0.0020	± 2.5	PASS	
		0	3	0.0012	± 2.5	PASS	
		-10	7	0.0028	± 2.5	PASS	
		-20	3	0.0012	± 2.5	PASS	
		-30	6	0.0024	± 2.5	PASS	
		50	-14	-0.0055	± 2.5	PASS	
		40	-13	-0.0051	± 2.5	PASS	

APPENDIX 1 PHOTOGRAPHS OF TEST SETUP

See test photographs attached in Appendix 1 for the actual connections between Product and support equipment.

APPENDIX 2 PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT external and internal photographs.

*** End of Report ***

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