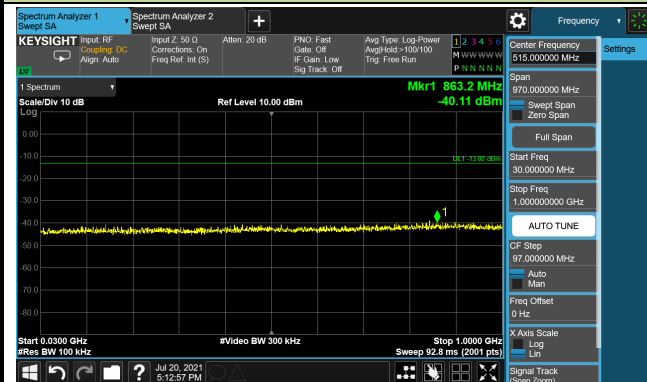
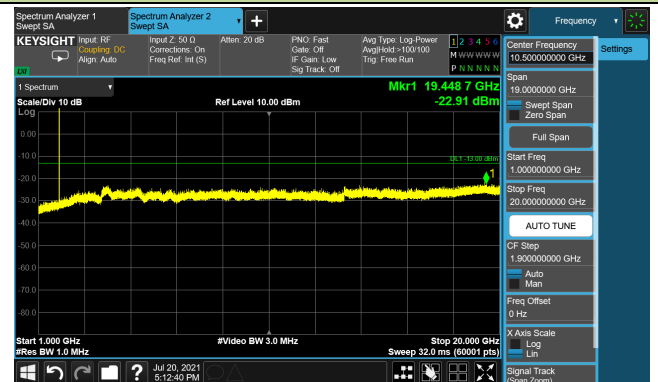


PCS 1900

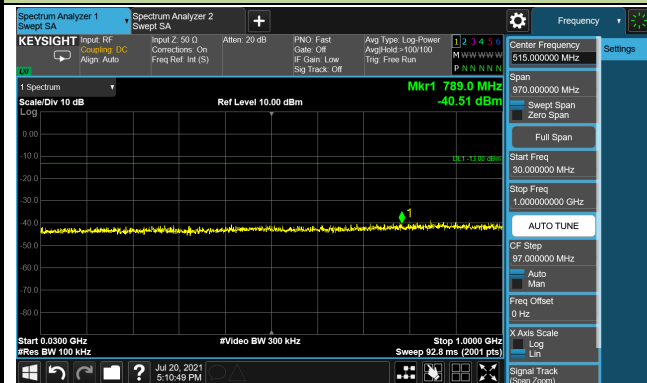
Low Channel 30 ~ 1000MHz



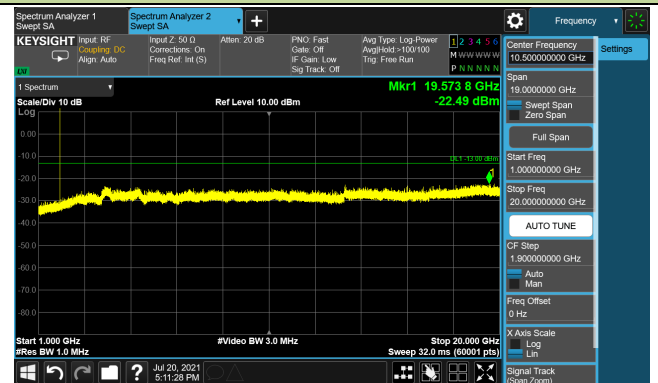
Low Channel 1000 ~ 20000MHz



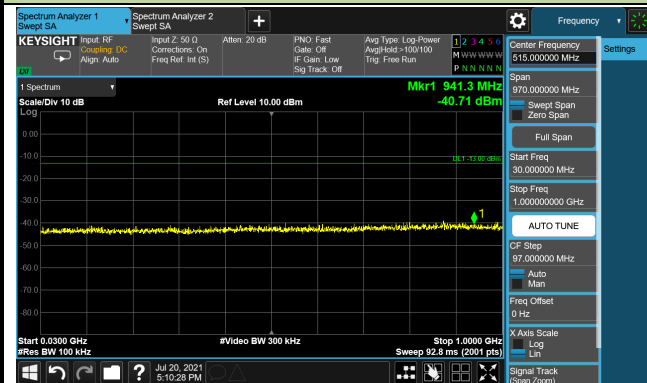
Middle Channel 30 ~ 1000MHz



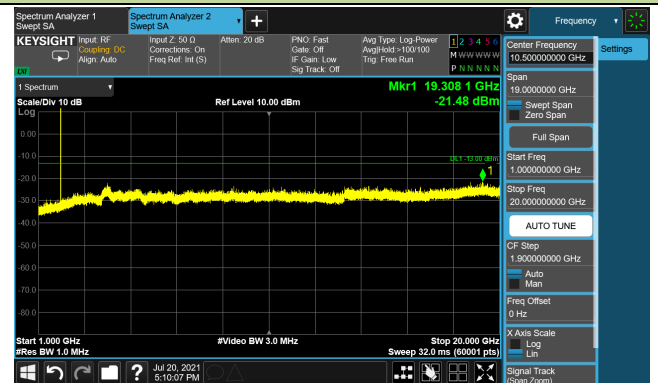
Middle Channel 1000 ~ 20000MHz



High Channel 30 ~ 1000MHz

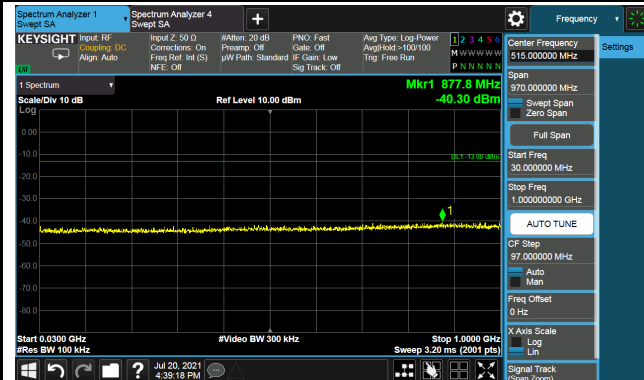


High Channel 1000 ~ 20000MHz

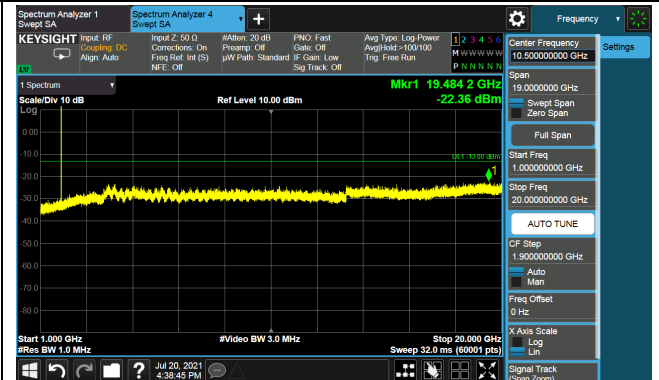


GPRS 1900

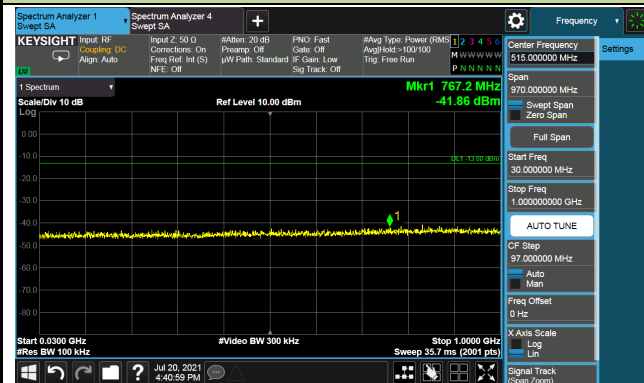
Low Channel 30 ~ 1000MHz



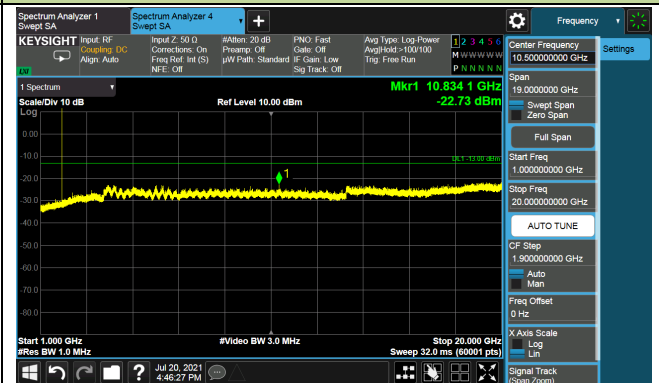
Low Channel 1000 ~ 20000MHz



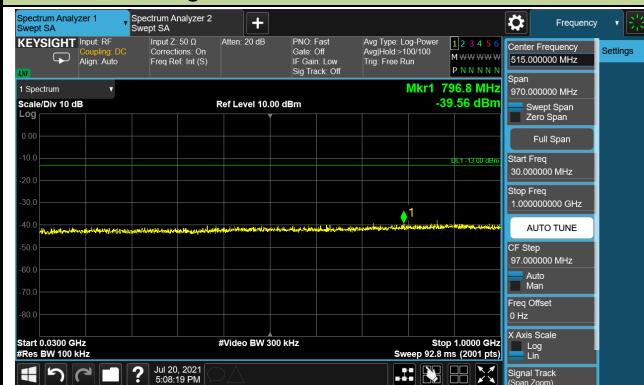
Middle Channel 30 ~ 1000MHz



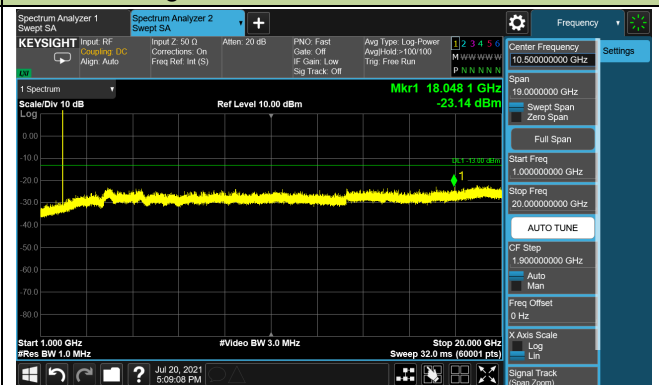
Middle Channel 1000 ~ 20000MHz



High Channel 30 ~ 1000MHz



High Channel 1000 ~ 20000MHz



5.8. Radiated Spurious Emission Measurement

5.8.1. Test Limit

Out of band emissions: 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.

$E \text{ (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20 \log D + 104.8$; where D is the measurement distance in meters. The emission limit equal to 82.3dB $\mu\text{V/m}$.

5.8.2. Test Procedure

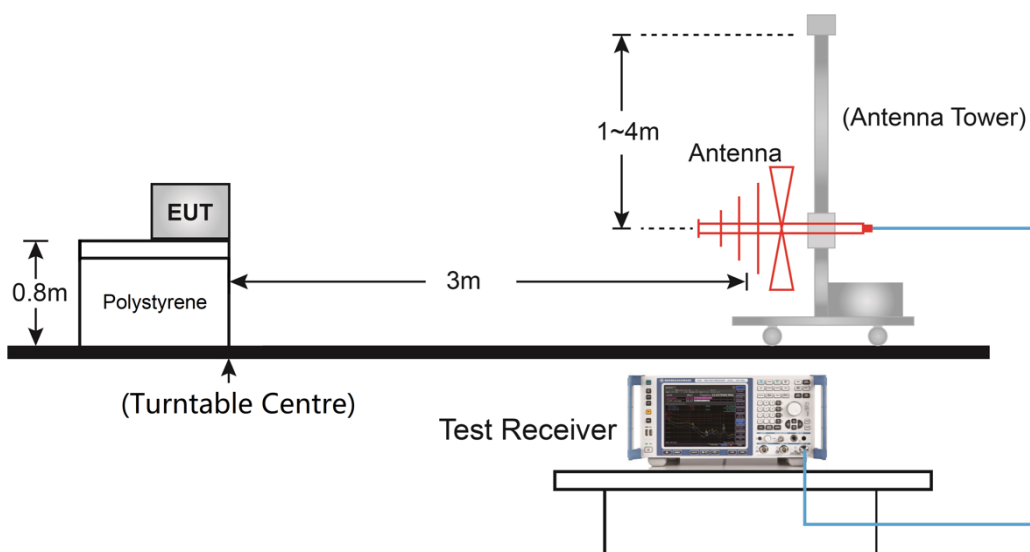
ANSI C63.26-2015 - Section 5.2.7 & 5.5

5.8.3. Test Setting

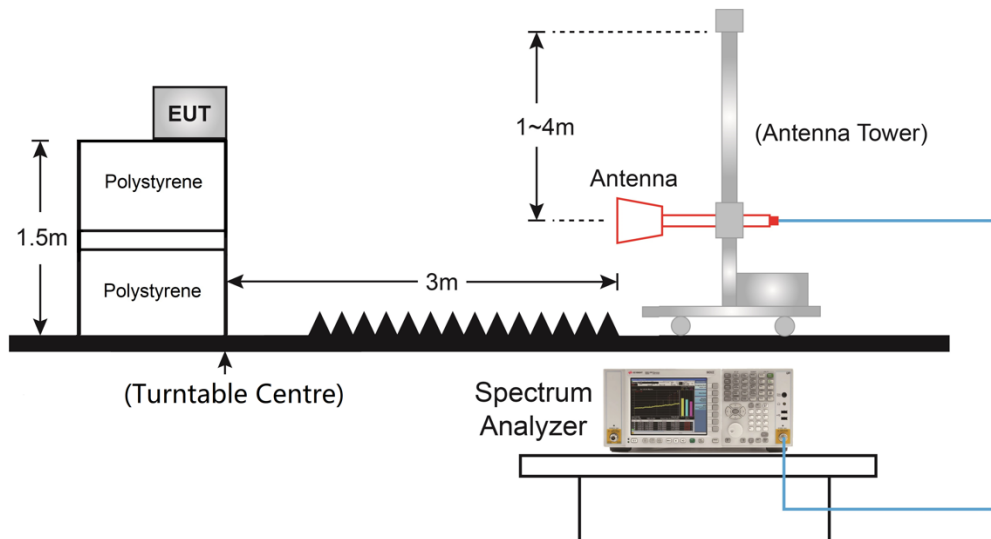
1. RBW = 1MHz
2. VBW $\geq 3 \times$ RBW
3. Sweep time $\geq 10 \times$ (number of points in sweep) $\times$ (transmission symbol period)
4. Detector = Peak
5. Trace mode = max hold
6. The trace was allowed to stabilize

5.8.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



5.8.5. Test Result

Product	LTE Module	Test Site	SIP-AC1
Test Engineer	White Wang	Test Date	2021/07/24 ~ 2021/07/27
Test Band	GSM 850		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level(dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
119.7	13.5	15.6	29.1	82.3	-53.2	Peak	Horizontal
876.3	12.3	28.3	40.6	82.3	-41.7	Peak	Horizontal
119.7	12.4	15.6	28.0	82.3	-54.3	Peak	Vertical
870.0	12.7	28.2	40.9	82.3	-41.4	Peak	Vertical
1646.0	64.5	-20.0	44.5	82.3	-37.8	Peak	Horizontal
2470.5	63.0	-16.7	46.3	82.3	-36.0	Peak	Horizontal
14651.0	48.8	0.8	49.6	82.3	-32.7	Peak	Vertical
17966.0	47.4	5.7	53.1	82.3	-29.2	Peak	Vertical
Middle Channel							
119.7	12.8	15.6	28.4	82.3	-53.9	Peak	Horizontal
881.7	12.8	28.4	41.2	82.3	-41.1	Peak	Horizontal
134.8	11.1	17.0	28.1	82.3	-54.2	Peak	Vertical
881.7	11.2	28.4	39.6	82.3	-42.7	Peak	Vertical
1671.5	67.5	-19.9	47.6	82.3	-34.7	Peak	Horizontal
2513.0	57.5	-16.5	41.0	82.3	-41.3	Peak	Horizontal
1901.0	60.0	-18.8	41.2	82.3	-41.1	Peak	Vertical
7111.5	52.9	-7.8	45.1	82.3	-37.2	Peak	Vertical
High Channel							
162.9	25.1	17.8	42.9	82.3	-39.4	Peak	Horizontal
678.0	26.3	25.9	52.2	82.3	-30.1	Peak	Horizontal
140.6	25.0	17.5	42.5	82.3	-39.8	Peak	Vertical
736.2	25.4	27.2	52.6	82.3	-29.7	Peak	Horizontal
1697.0	63.9	-19.9	44.0	82.3	-38.3	Peak	Horizontal
2547.0	58.1	-16.3	41.8	82.3	-40.5	Peak	Vertical
8446.0	51.2	-6.0	45.2	82.3	-37.1	Peak	Vertical
14855.0	48.7	0.9	49.6	82.3	-32.7	Peak	Horizontal

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Product	LTE Module	Test Site	SIP-AC1
Test Engineer	White Wang	Test Date	2021/07/24 ~ 2021/07/27
Test Band	PCS 1900		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level(dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
147.9	25.2	18.0	43.2	82.3	-39.1	Peak	Horizontal
608.1	26.2	25.2	51.4	82.3	-30.9	Peak	Horizontal
148.3	24.6	18.0	42.6	82.3	-39.7	Peak	Vertical
858.4	26.6	28.2	54.8	82.3	-27.5	Peak	Vertical
7825.5	51.5	-6.6	44.9	82.3	-37.4	Peak	Horizontal
9882.5	50.8	-5.2	45.6	82.3	-36.7	Peak	Horizontal
5556.0	54.8	-9.8	45.0	82.3	-37.3	Peak	Vertical
15127.0	49.3	0.8	50.1	82.3	-32.2	Peak	Vertical
Middle Channel							
153.2	24.2	18.1	42.3	82.3	-40.0	Peak	Horizontal
859.4	26.4	28.2	54.6	82.3	-27.7	Peak	Horizontal
147.4	24.1	18.0	42.1	82.3	-40.2	Peak	Vertical
763.8	25.9	27.6	53.5	82.3	-28.8	Peak	Vertical
7528.0	51.9	-7.3	44.6	82.3	-37.7	Peak	Horizontal
13758.5	49.2	-1.3	47.9	82.3	-34.4	Peak	Horizontal
5641.0	55.5	-9.8	45.7	82.3	-36.6	Peak	Vertical
13937.0	48.3	-0.7	47.6	82.3	-34.7	Peak	Vertical
High Channel							
149.8	24.4	18.1	42.5	82.3	-39.8	Peak	Horizontal
814.7	25.7	27.9	53.6	82.3	-28.7	Peak	Horizontal
144.0	24.6	17.8	42.4	82.3	-39.9	Peak	Vertical
707.1	26.4	26.4	52.8	82.3	-29.5	Peak	Vertical
9882.5	50.6	-5.2	45.4	82.3	-36.9	Peak	Horizontal
14957.0	48.8	0.8	49.6	82.3	-32.7	Peak	Horizontal
5726.0	54.7	-10.0	44.7	82.3	-37.6	Peak	Vertical
9542.5	50.7	-5.5	45.2	82.3	-37.1	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Product	LTE Module	Test Site	SIP-AC1
Test Engineer	White Wang	Test Date	2021/07/24 ~ 2021/07/27
Test Band	GPRS 850		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level(dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
359.8	10.1	19.5	29.6	82.3	-52.7	Peak	Horizontal
876.3	13.3	28.3	41.6	82.3	-40.7	Peak	Horizontal
119.7	12.6	15.6	28.2	82.3	-54.1	Peak	Vertical
876.3	12.4	28.3	40.7	82.3	-41.6	Peak	Vertical
1646.0	80.9	-20.0	60.9	82.3	-21.4	Peak	Horizontal
2470.5	65.3	-16.7	48.6	82.3	-33.7	Peak	Horizontal
1646.0	66.6	-20.0	46.6	82.3	-35.7	Peak	Vertical
2470.5	56.0	-16.7	39.3	82.3	-43.0	Peak	Vertical
Middle Channel							
359.8	10.2	19.5	29.7	82.3	-52.6	Peak	Horizontal
881.7	11.5	28.4	39.9	82.3	-42.4	Peak	Horizontal
59.6	11.1	17.0	28.1	82.3	-54.2	Peak	Vertical
881.7	12.3	28.4	40.7	82.3	-41.6	Peak	Vertical
1671.5	77.1	-19.9	57.2	82.3	-25.1	Peak	Horizontal
3346.0	63.2	-13.2	50.0	82.3	-32.3	Peak	Horizontal
1671.5	67.8	-19.9	47.9	82.3	-34.4	Peak	Vertical
3346.0	57.2	-13.2	44.0	82.3	-38.3	Peak	Vertical
High Channel							
144.5	24.5	17.8	42.3	82.3	-40.0	Peak	Horizontal
631.4	26.6	25.4	52.0	82.3	-30.3	Peak	Horizontal
163.9	24.6	17.7	42.3	82.3	-40.0	Peak	Vertical
727.9	26.3	27.0	53.3	82.3	-29.0	Peak	Horizontal
1697.0	77.1	-19.9	57.2	82.3	-25.1	Peak	Horizontal
2547.0	64.8	-16.3	48.5	82.3	-33.8	Peak	Vertical
1697.0	61.9	-19.9	42.0	82.3	-40.3	Peak	Vertical
2547.0	56.6	-16.3	40.3	82.3	-42.0	Peak	Horizontal

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Product	LTE Module	Test Site	SIP-AC1
Test Engineer	White Wang	Test Date	2021/07/24 ~ 2021/07/27
Test Band	GPRS 1900		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level(dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
148.8	25.2	18.0	43.2	82.3	-39.1	Peak	Horizontal
915.6	27.2	29.1	56.3	82.3	-26.0	Peak	Horizontal
143.5	25.0	17.7	42.7	82.3	-39.6	Peak	Vertical
938.9	26.7	29.2	55.9	82.3	-26.4	Peak	Vertical
3703.0	60.3	-12.3	48.0	82.3	-34.3	Peak	Horizontal
5556.0	68.0	-9.8	58.2	82.3	-24.1	Peak	Horizontal
3703.0	61.9	-12.3	49.6	82.3	-32.7	Peak	Vertical
5556.0	67.7	-9.8	57.9	82.3	-24.4	Peak	Vertical
Middle Channel							
152.7	24.8	18.1	42.9	82.3	-39.4	Peak	Horizontal
886.5	26.1	28.5	54.6	82.3	-27.7	Peak	Horizontal
159.5	23.7	18.0	41.7	82.3	-40.6	Peak	Vertical
923.4	26.2	29.1	55.3	82.3	-27.0	Peak	Vertical
3762.5	56.6	-12.0	44.6	82.3	-37.7	Peak	Horizontal
5641.0	64.5	-9.8	54.7	82.3	-27.6	Peak	Horizontal
3762.5	62.7	-12.0	50.7	82.3	-31.6	Peak	Vertical
5641.0	69.3	-9.8	59.5	82.3	-22.8	Peak	Vertical
High Channel							
145.9	25.5	17.9	43.4	82.3	-38.9	Peak	Horizontal
905.9	25.9	29.0	54.9	82.3	-27.4	Peak	Horizontal
168.2	24.8	17.5	42.3	82.3	-40.0	Peak	Vertical
942.8	26.4	29.2	55.6	82.3	-26.7	Peak	Vertical
3813.5	57.9	-11.9	46.0	82.3	-36.3	Peak	Horizontal
5726.0	63.5	-10.0	53.5	82.3	-28.8	Peak	Horizontal
3813.5	61.5	-11.9	49.6	82.3	-32.7	Peak	Vertical
5726.0	64.7	-10.0	54.7	82.3	-27.6	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

6. CONCLUSION

The data collected relate only the item(s) tested and show that unit is compliance with FCC Rules.

The End

Appendix A - Test Setup Photograph

Refer to "2107RSU045-UT" file.

Appendix B - EUT Photograph

Refer to "2107RSU045-UE" file.