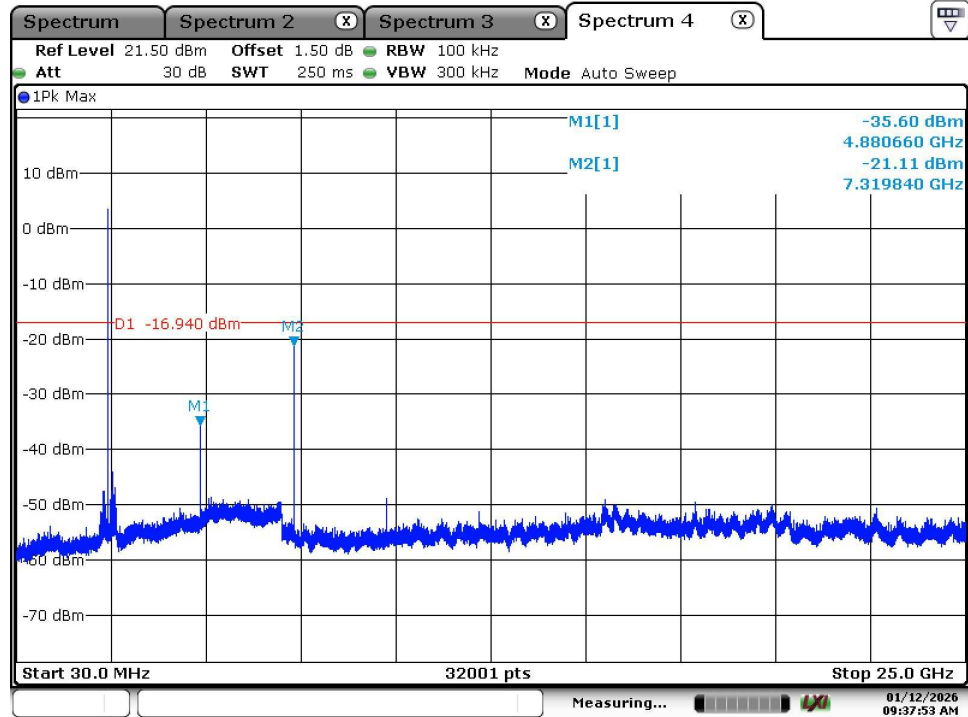
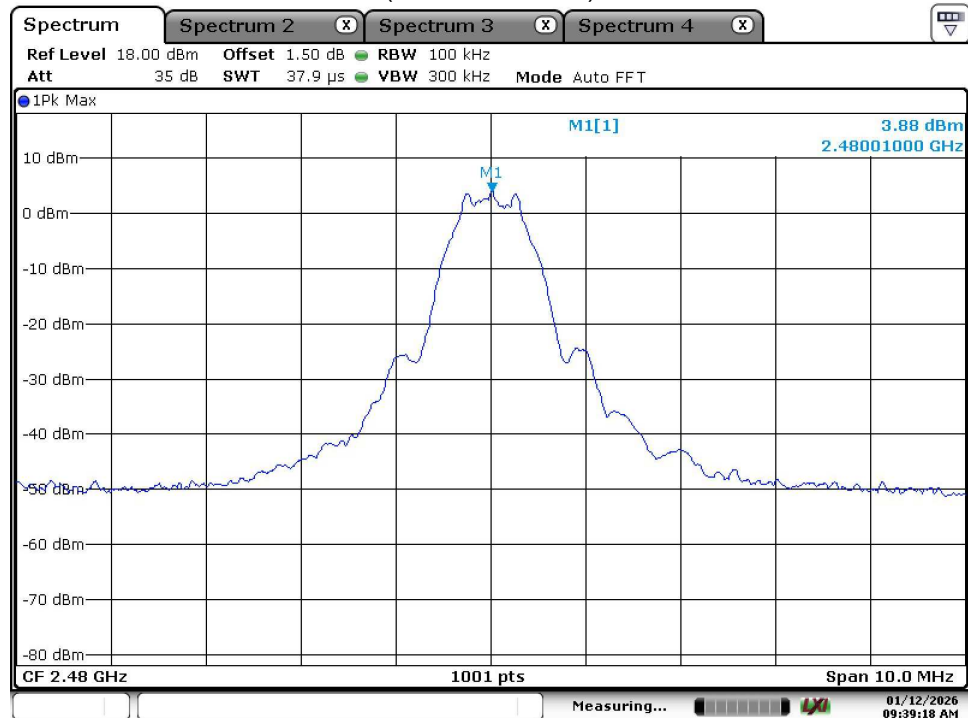


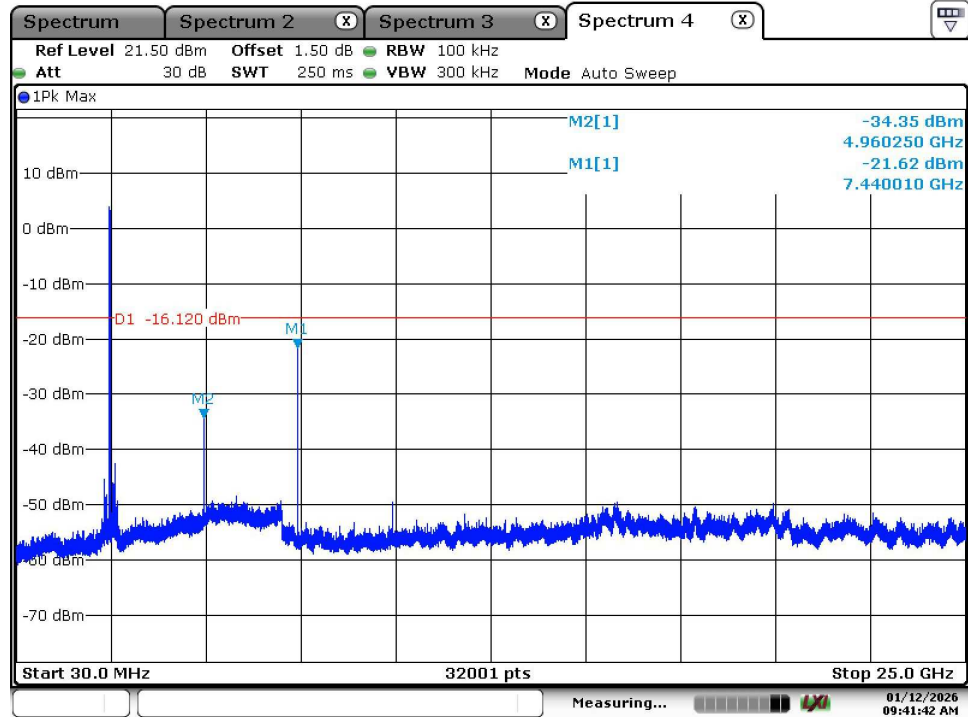


Date: 12.JAN.2026 09:37:53

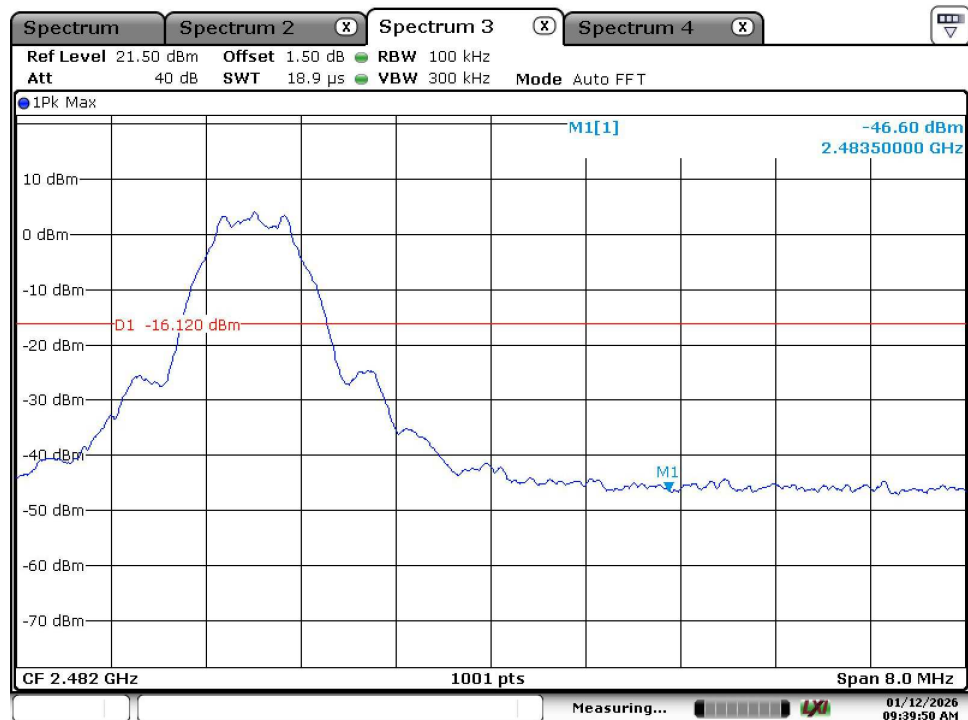
(Reference Level)



Date: 12.JAN.2026 09:39:17

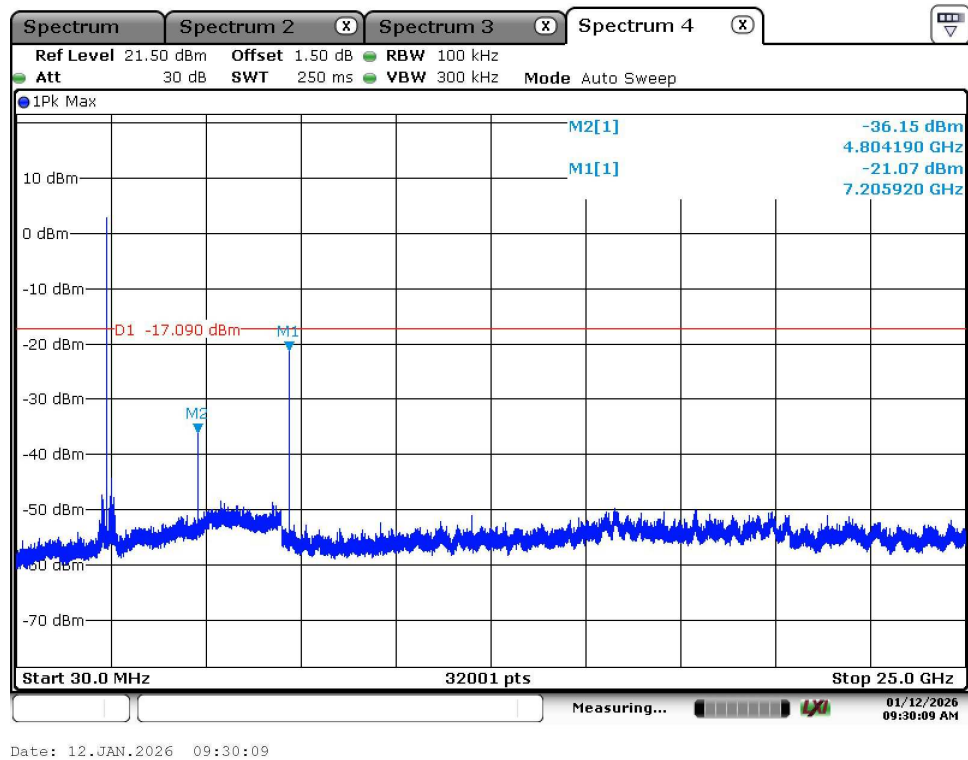
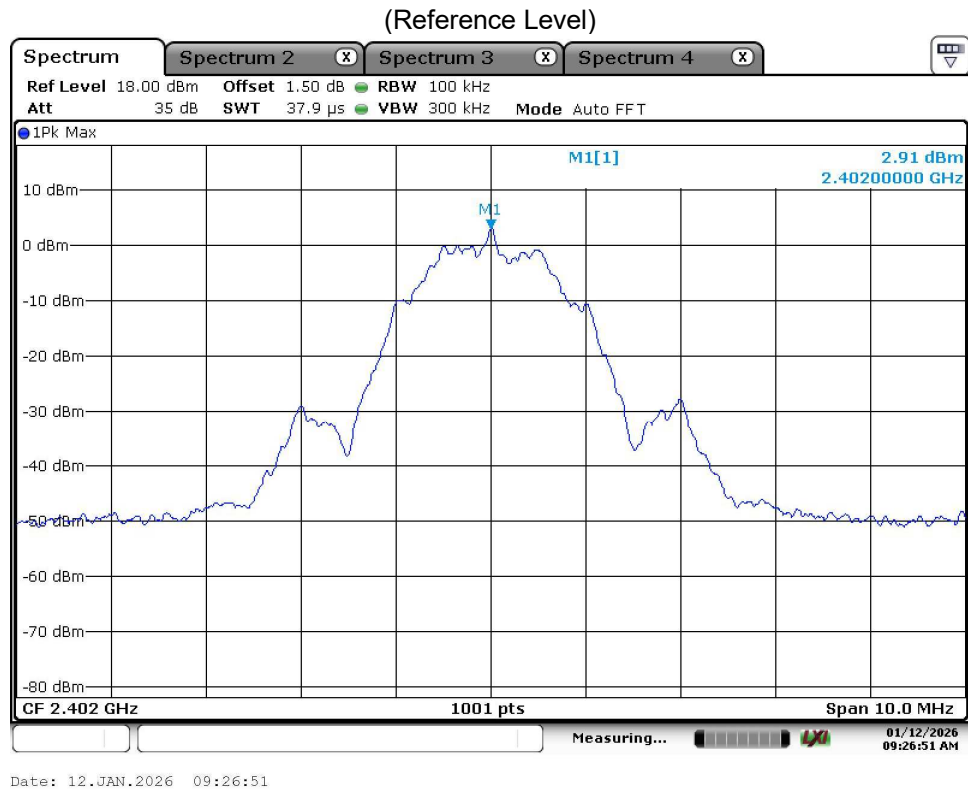


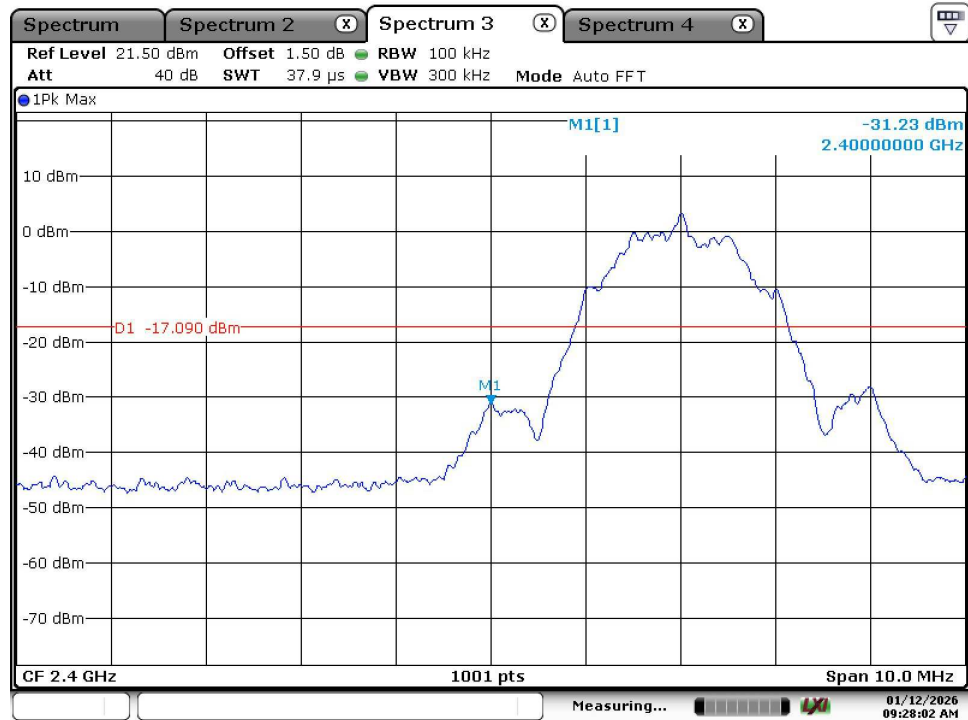
Date: 12.JAN.2026 09:41:41



Date: 12.JAN.2026 09:39:50

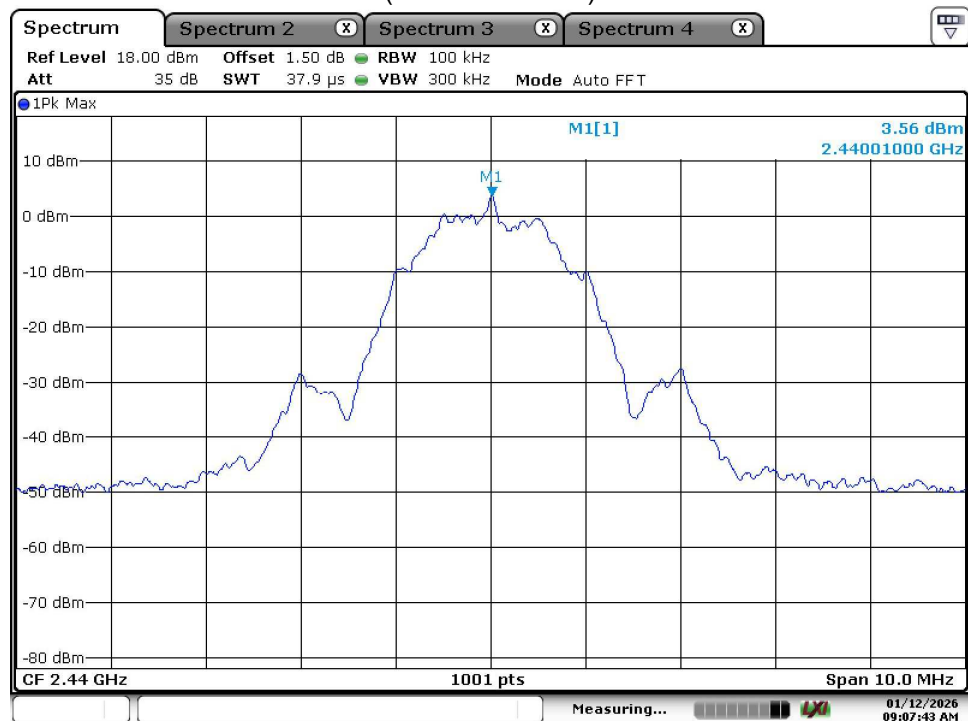
Bluetooth LE, 2Mbps



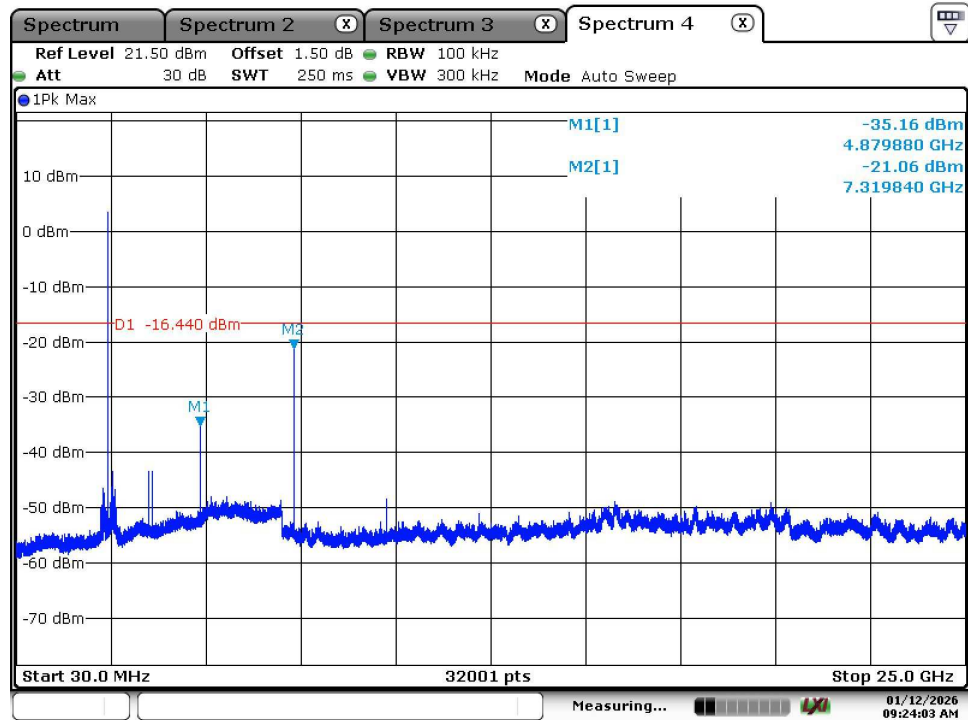


Date: 12.JAN.2026 09:28:02

(Reference Level)

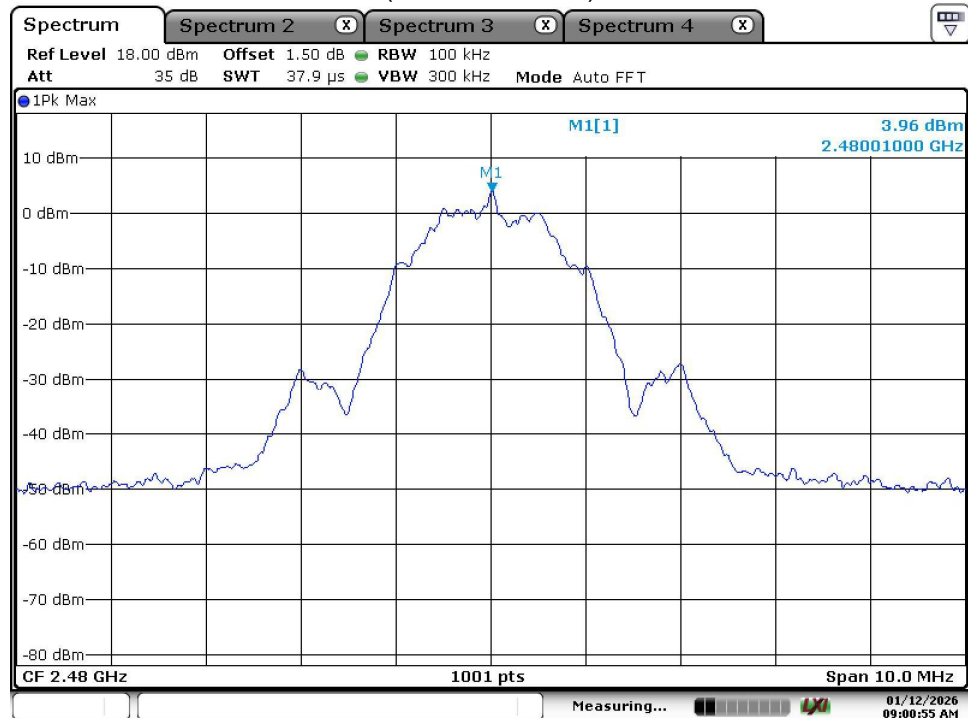


Date: 12.JAN.2026 09:07:43

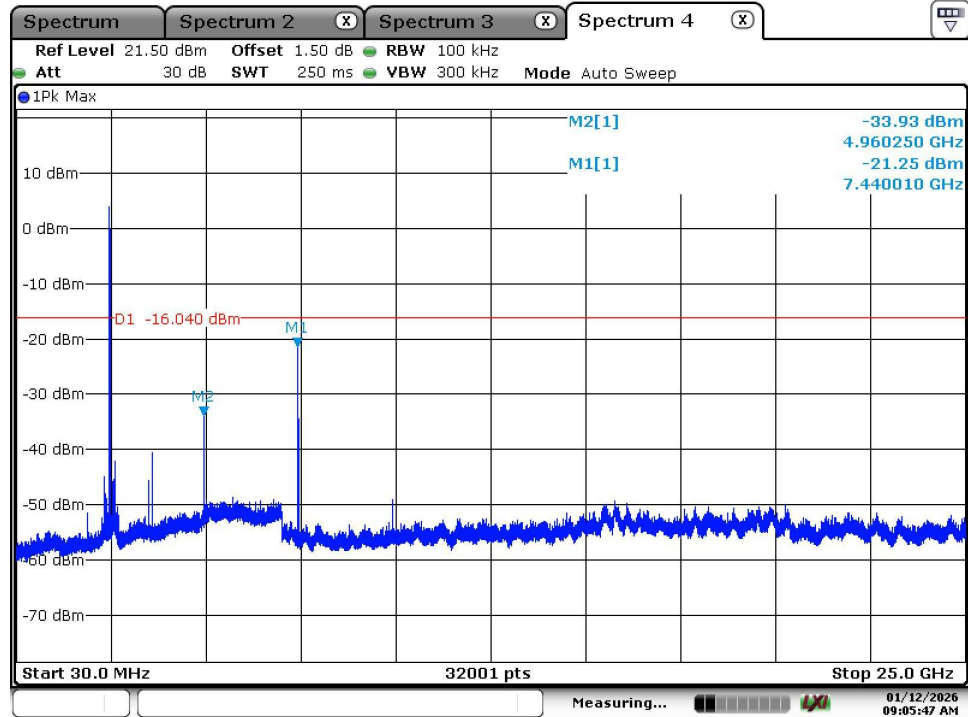


Date: 12.JAN.2026 09:24:03

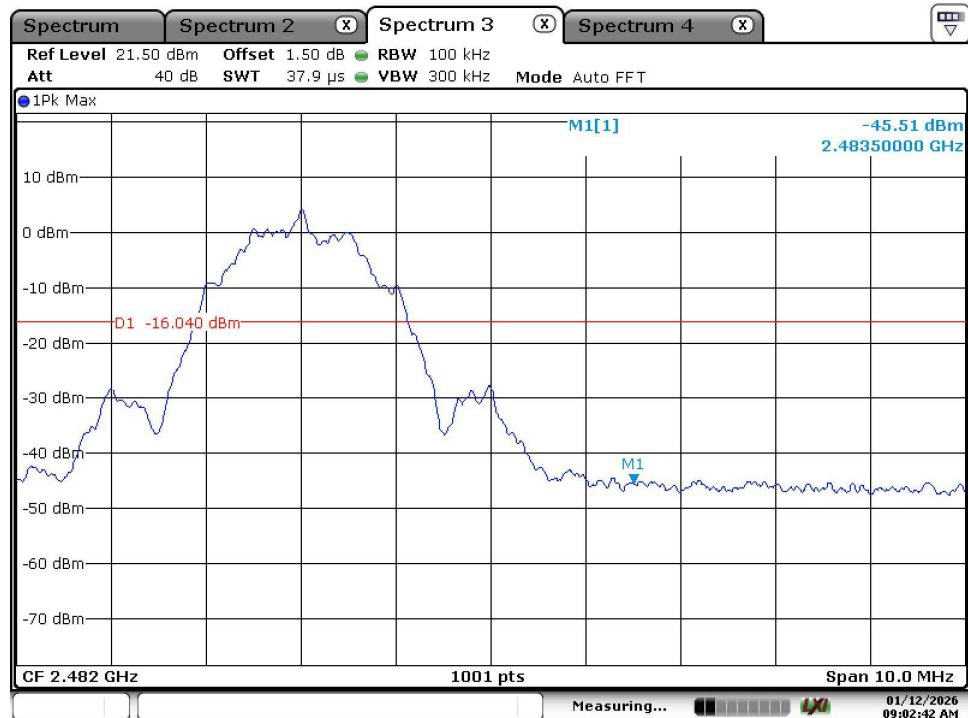
(Reference Level)



Date: 12.JAN.2026 09:00:56



Date: 12.JAN.2026 09:05:46



Date: 12.JAN.2026 09:02:43

Appendix A.5: Test Results of Radiated Spurious Emissions

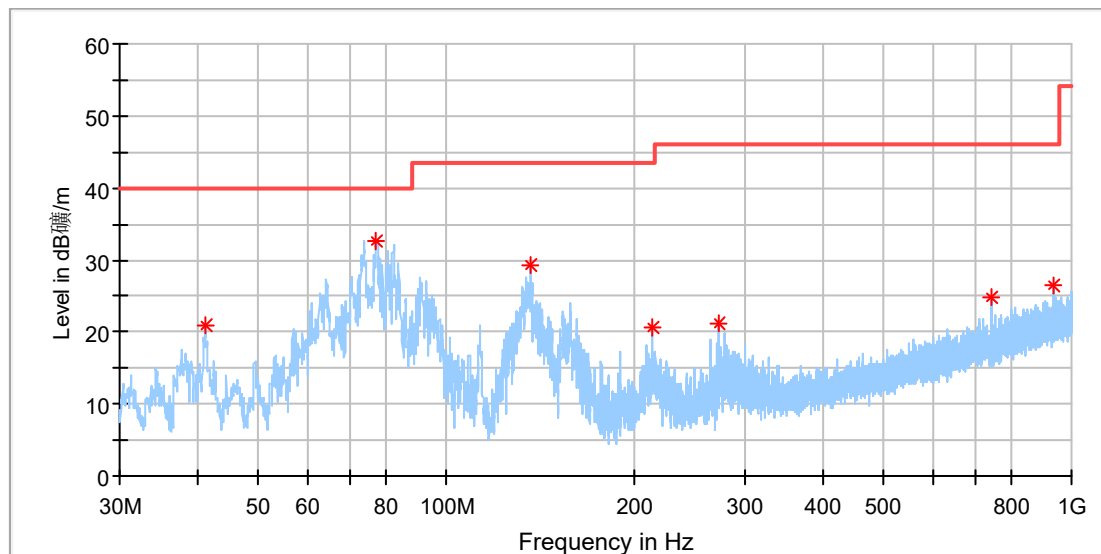
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168575881/A004163921-002
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

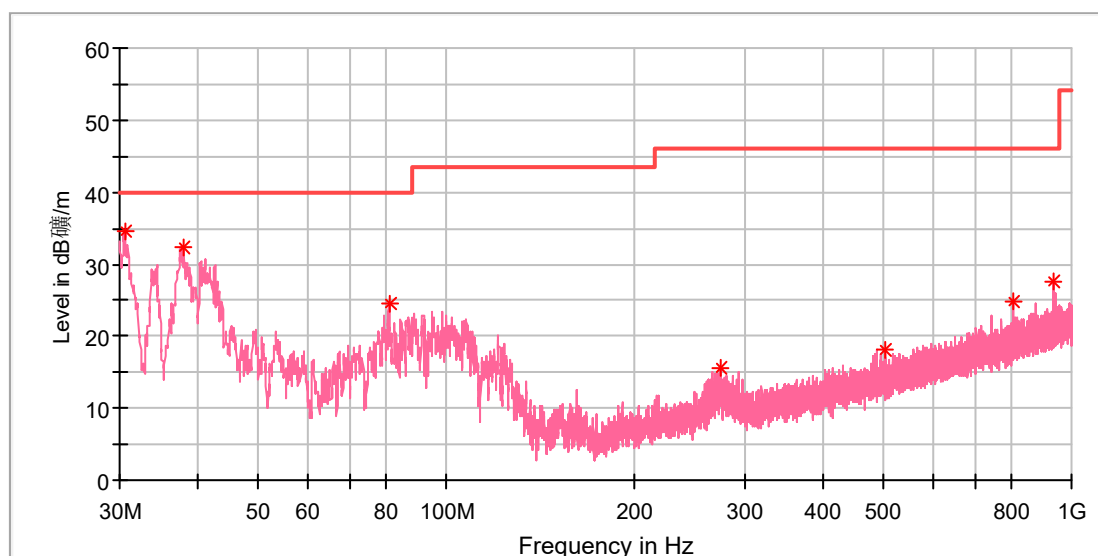
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.208889	20.90	40.00	19.10	100.0	H	207.0	-19.9
77.314444	32.73	40.00	7.27	100.0	H	254.0	-23.5
136.053333	29.36	43.50	14.14	100.0	H	38.0	-22.2
214.407778	20.59	43.50	22.91	100.0	H	287.0	-18.8
272.985000	21.17	46.00	24.83	100.0	H	302.0	-16.9
742.518889	24.76	46.00	21.24	100.0	H	0.0	-7.2
936.950000	26.41	46.00	19.59	100.0	H	137.0	-4.4

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: Cellular Connected Controller
 Model: SCS 800
 Test Mode: BLE 1M_Mid channel
 Order No/Sample No: 168575881/A004163921-002
 Test Voltage:: AC 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

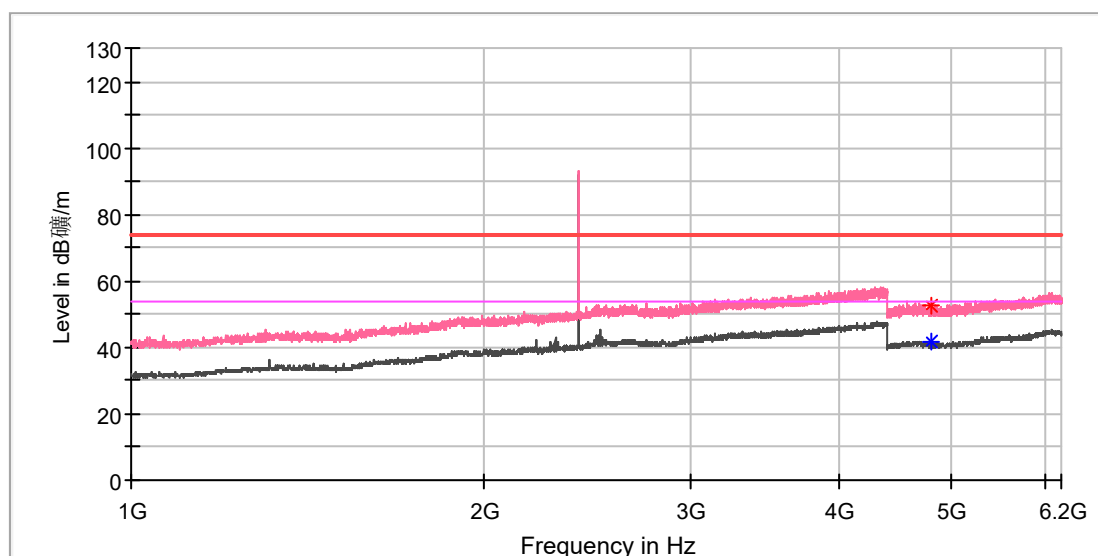
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.646667	34.61	40.00	5.39	100.0	V	150.0	-22.9
38.029444	32.51	40.00	7.49	100.0	V	165.0	-20.8
80.978889	24.47	40.00	15.53	100.0	V	285.0	-23.4
274.224444	15.73	46.00	30.27	100.0	V	62.0	-16.9
502.066667	18.17	46.00	27.83	100.0	V	359.0	-11.8
805.676667	24.82	46.00	21.18	100.0	V	338.0	-6.1
936.950000	27.57	46.00	18.43	100.0	V	105.0	-4.4

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168575881/A004163921-002
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

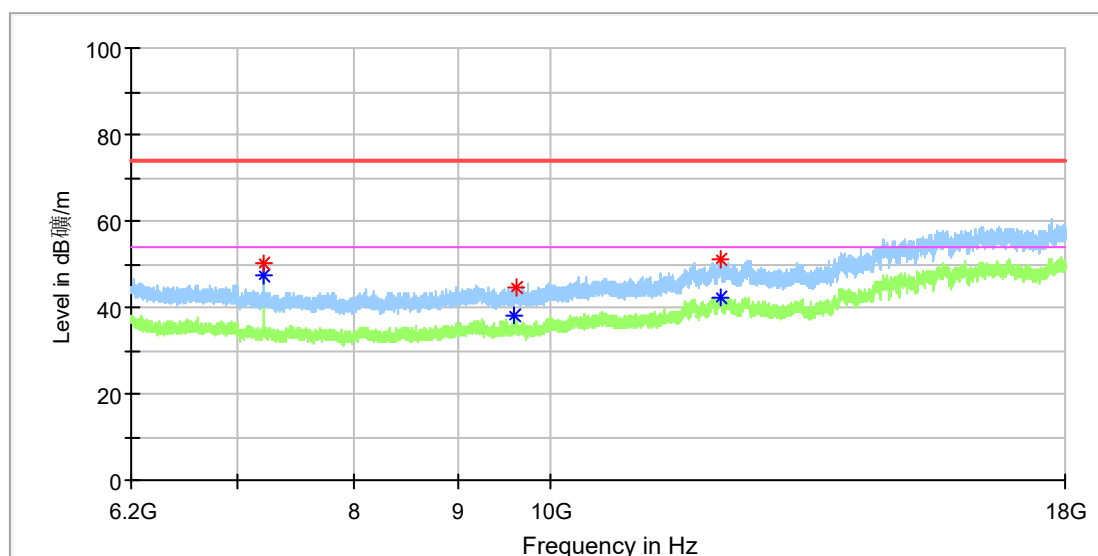
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4801.500000	---	41.93	54.00	12.07	150.0	V	237.0	13.3
4806.000000	52.60	---	74.00	21.40	150.0	V	188.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.0	118.0	118.0	0.0	100.0	0	0	0.0

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168575881/A004163921-002
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

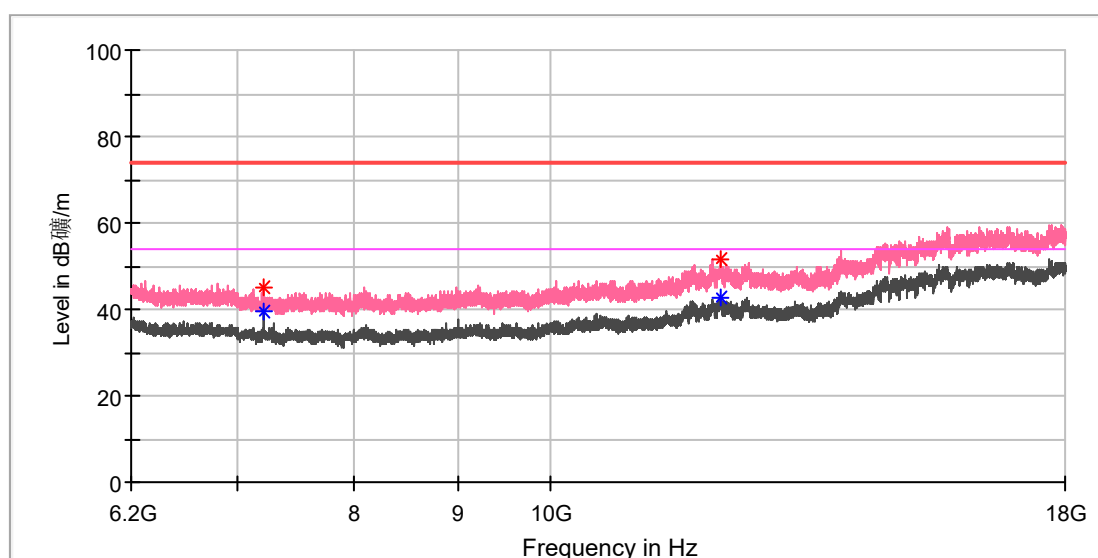
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7206.441667	50.33	---	74.00	23.67	150.0	H	241.0	8.8
7206.441667	---	47.33	54.00	6.67	150.0	H	241.0	8.8
9606.758333	---	38.19	54.00	15.81	150.0	H	345.0	10.4
9608.233333	44.79	---	74.00	29.21	150.0	H	323.0	10.4
12146.216667	50.95	---	74.00	23.05	150.0	H	0.0	16.6
12150.641667	---	42.24	54.00	11.76	150.0	H	130.0	16.7

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	100.000000

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168575881/A004163921-002
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

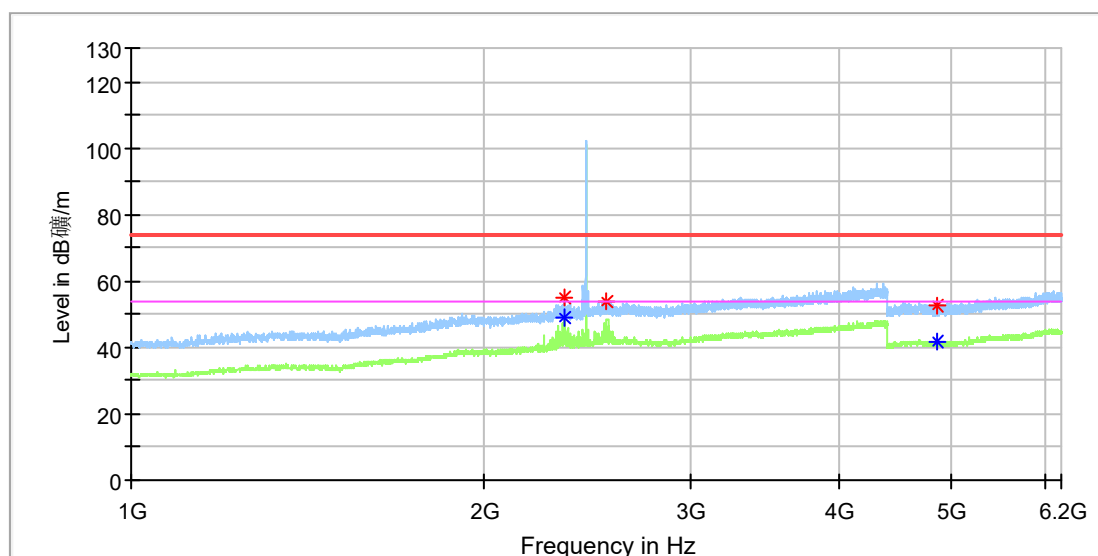
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
7205.950000	---	39.56	54.00	14.44	150.0	V	179.0	8.8
7206.441667	45.33	---	74.00	28.67	150.0	V	156.0	8.8
12147.691667	51.55	---	74.00	22.45	150.0	V	68.0	16.7
12158.016667	---	42.99	54.00	11.01	150.0	V	263.0	16.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	100.000000

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168575881/A004163921-002
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

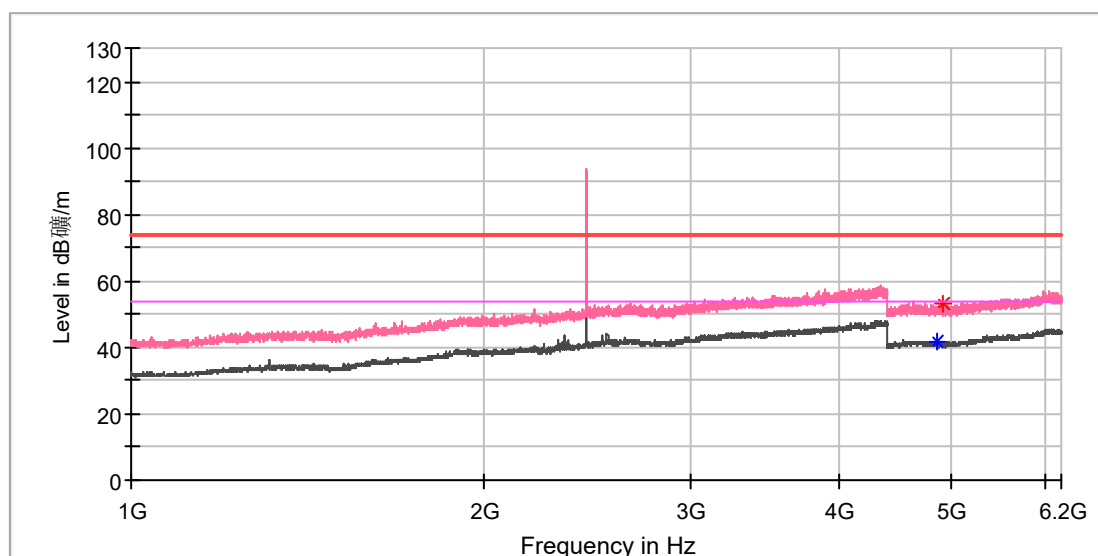
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2335.500000	---	48.74	54.00	5.26	150.0	H	158.0	8.4
2336.000000	55.14	---	74.00	18.86	150.0	H	99.0	8.4
2544.000000	54.02	---	68.20	14.18	150.0	H	80.0	9.4
4859.500000	52.57	---	74.00	21.43	150.0	H	212.0	13.3
4861.500000	---	41.55	54.00	12.45	150.0	H	47.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
----	----	----	----	----	----		----	-----

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168575881/A004163921-002
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

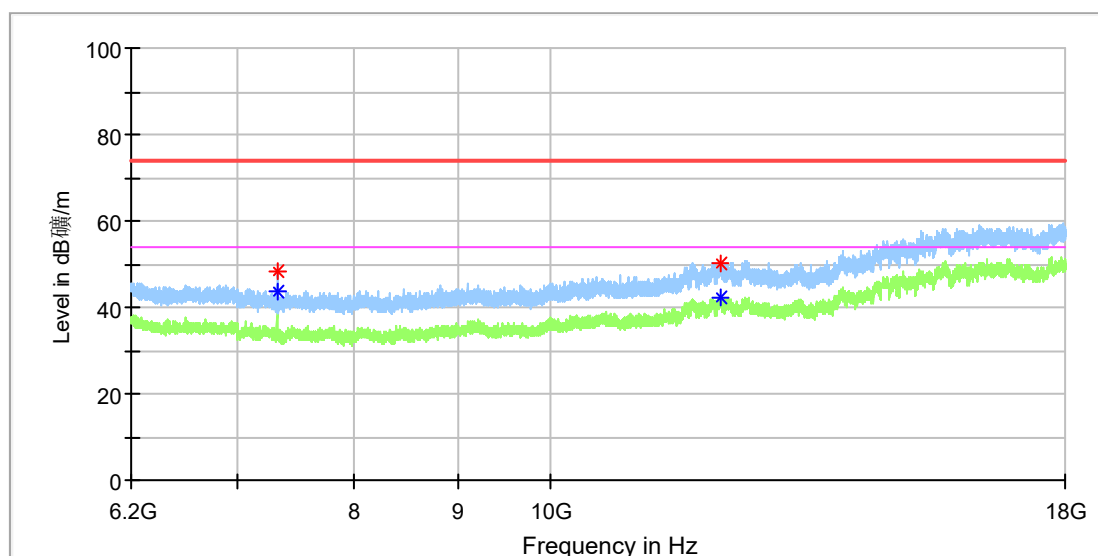
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4858.000000	---	41.49	54.00	12.51	150.0	V	25.0	13.3
4921.000000	53.19	---	74.00	20.81	150.0	V	100.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	118.0	118.0	118.0	0.0	100.0			

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168575881/A004163921-002
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

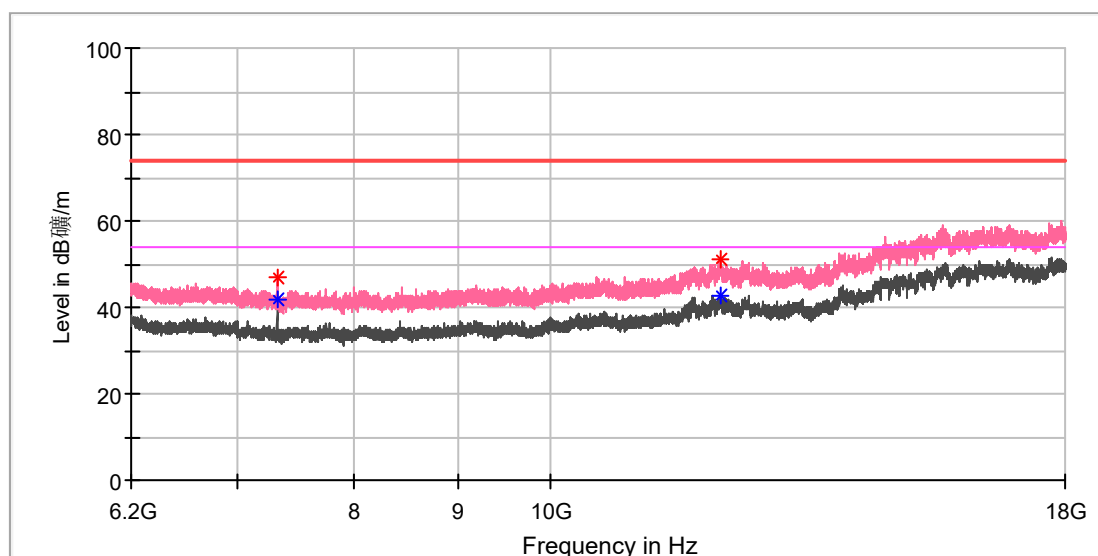
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
7319.033333	48.26	---	74.00	25.74	150.0	H	116.0	8.2
7320.016667	---	43.78	54.00	10.22	150.0	H	69.0	8.2
12146.216667	50.32	---	74.00	23.68	150.0	H	298.0	16.6
12150.641667	---	42.54	54.00	11.46	150.0	H	330.0	16.7

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	100.000000

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168575881/A004163921-002
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

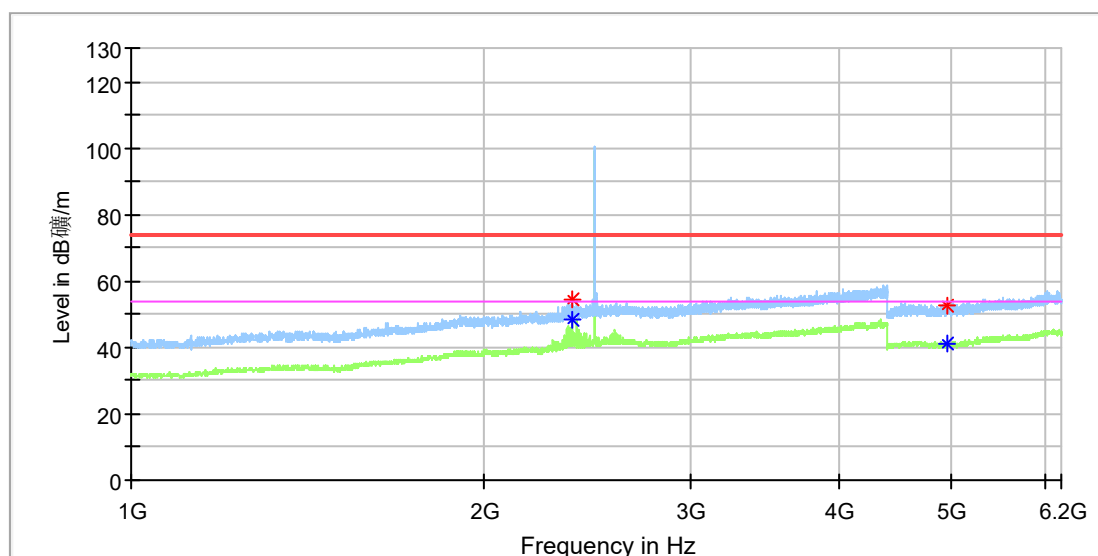
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
7319.033333	46.88	---	74.00	27.12	150.0	V	173.0	8.2
7319.033333	---	41.78	54.00	12.22	150.0	V	173.0	8.2
12150.150000	51.23	---	74.00	22.77	150.0	V	150.0	16.7
12150.150000	---	42.97	54.00	11.03	150.0	V	150.0	16.7

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	100.000000

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168575881/A004163921-002
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

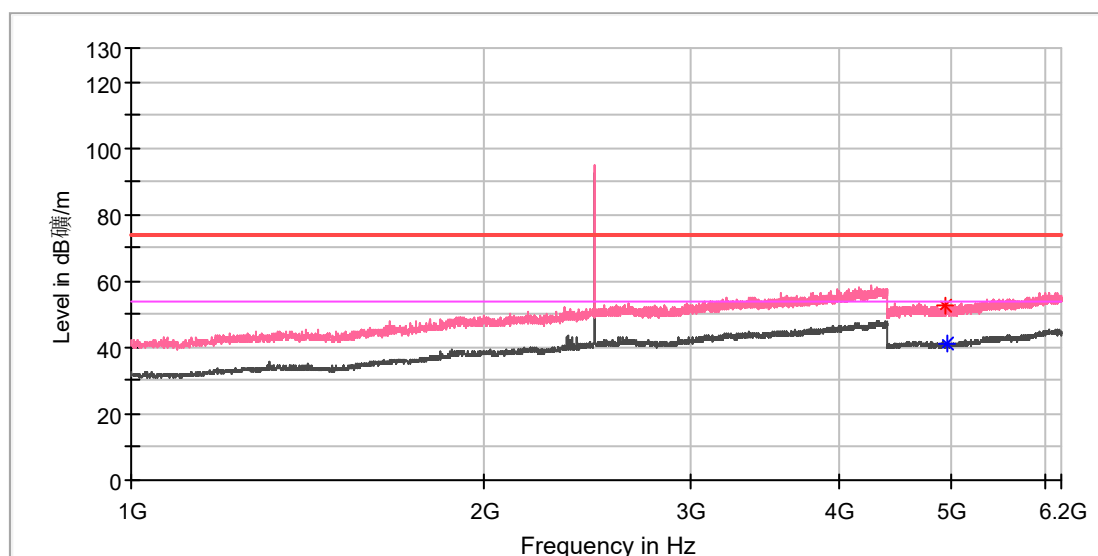
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
2375.500000	54.34	---	74.00	19.66	150.0	H	96.0	8.5
2375.500000	---	48.21	54.00	5.79	150.0	H	96.0	8.5
4949.500000	52.58	---	74.00	21.42	150.0	H	0.0	13.3
4954.000000	---	41.24	54.00	12.77	150.0	H	348.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
-----	-----	-----	-----	-----	-----		-----	-----

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168575881/A004163921-002
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

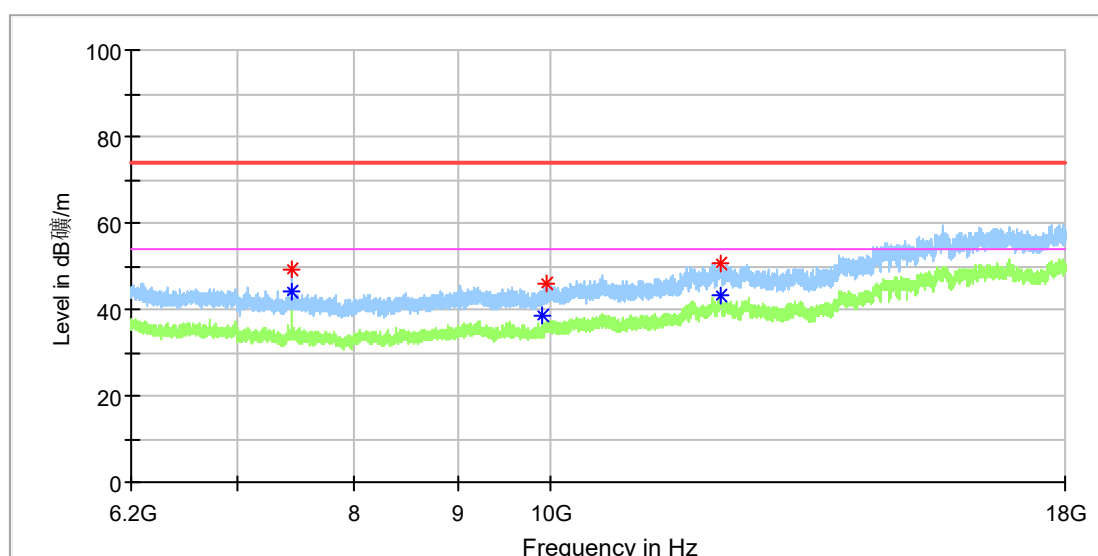
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4943.500000	52.50	---	74.00	21.50	150.0	V	350.0	13.3
4960.000000	---	41.41	54.00	12.59	150.0	V	355.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.75	120.0	110.0	120.0	0.0	100.0	0.0	0.0	0.0

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168575881/A004163921-002
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

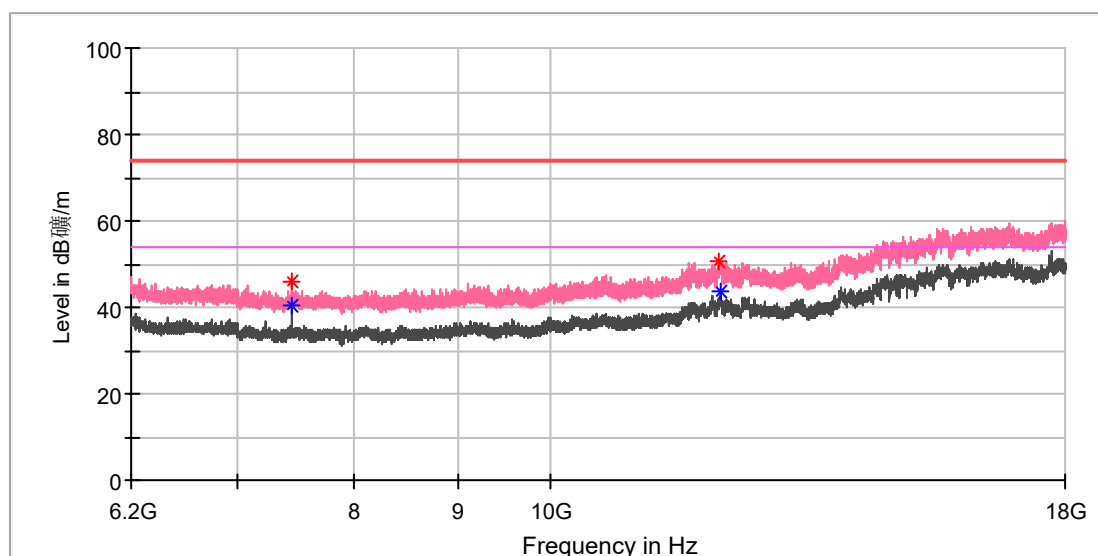
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7440.475000	---	44.29	54.00	9.71	150.0	H	285.0	8.4
7440.966667	49.47	---	74.00	24.53	150.0	H	241.0	8.4
9919.458333	---	38.77	54.00	15.24	150.0	H	329.0	10.8
9943.550000	45.83	---	74.00	28.17	150.0	H	231.0	10.9
12144.250000	50.82	---	74.00	23.18	150.0	H	285.0	16.6
12149.166667	---	43.42	54.00	10.58	150.0	H	196.0	16.7

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168575881/A004163921-002
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
7439.983333	---	40.32	54.00	13.68	150.0	V	185.0	8.4
7440.475000	45.82	---	74.00	28.18	150.0	V	164.0	8.4
12128.025000	50.64	---	74.00	23.36	150.0	V	106.0	16.2
12144.250000	---	43.85	54.00	10.15	150.0	V	94.0	16.6

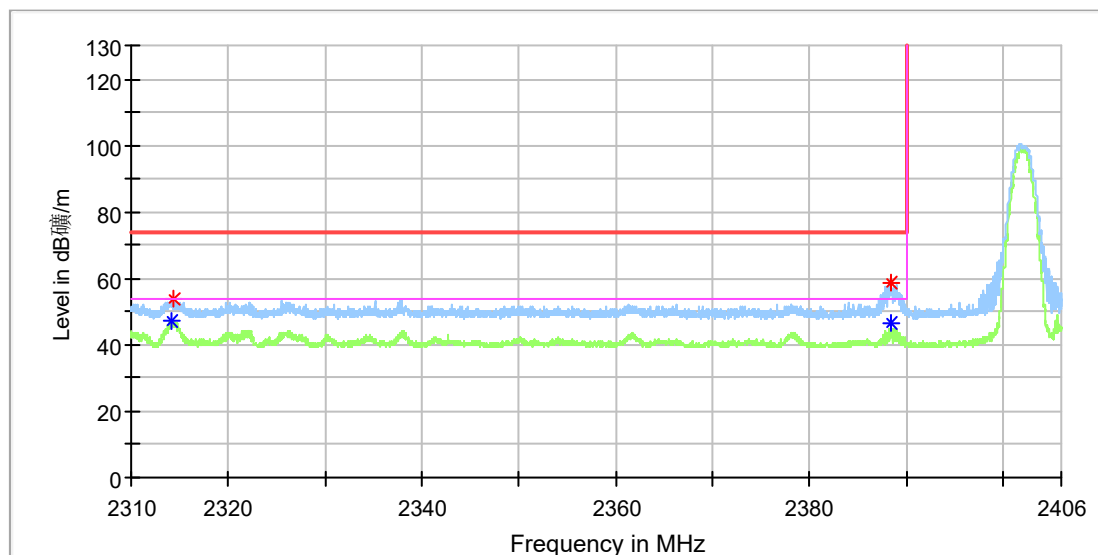
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	100.000000

Appendix A.6: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168575881/A004163921-002
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

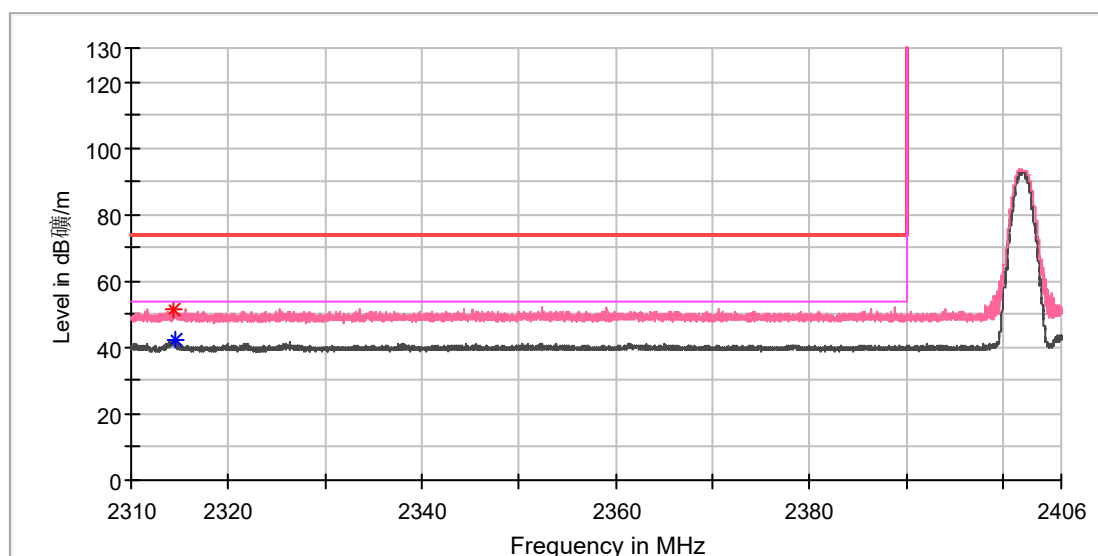
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2314.136471	---	47.29	54.00	6.71	150.0	H	88.0	8.1
2314.418824	53.90	---	74.00	20.10	150.0	H	88.0	8.1
2388.352941	58.36	---	74.00	15.64	150.0	H	153.0	8.5
2388.480000	---	46.30	54.00	7.70	150.0	H	153.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168575881/A004163921-002
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

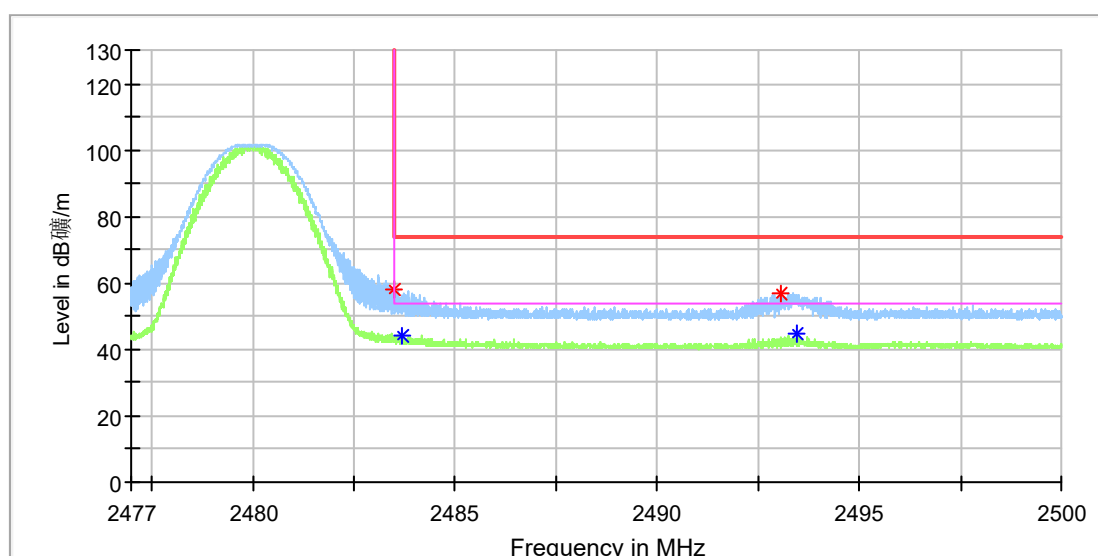
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2314.376471	51.17	---	74.00	22.83	150.0	V	163.0	8.1
2314.517647	---	42.55	54.00	11.45	150.0	V	133.0	8.1

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.75	120.0	110.0	120.0	0.0	100.0	0	0	0.0

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168575881/A004163921-002
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.507353	58.31	---	74.00	15.69	150.0	H	90.0	9.0
2483.676471	---	44.33	54.00	9.67	150.0	H	104.0	9.0
2493.066177	57.13	---	74.00	16.87	150.0	H	90.0	9.0
2493.437500	---	44.48	54.00	9.52	150.0	H	227.0	9.0

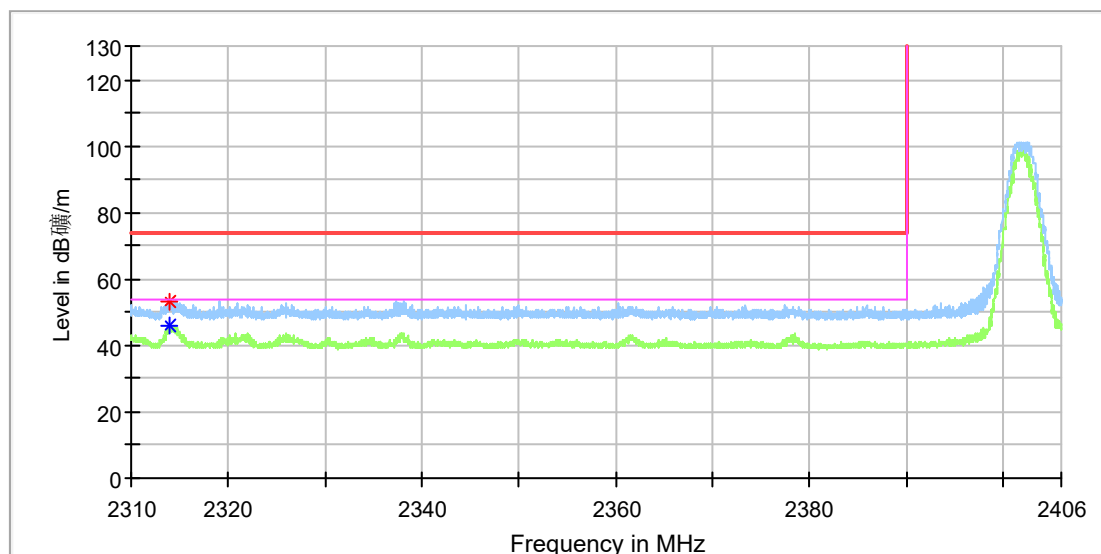
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	168575881/A004163921-002
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

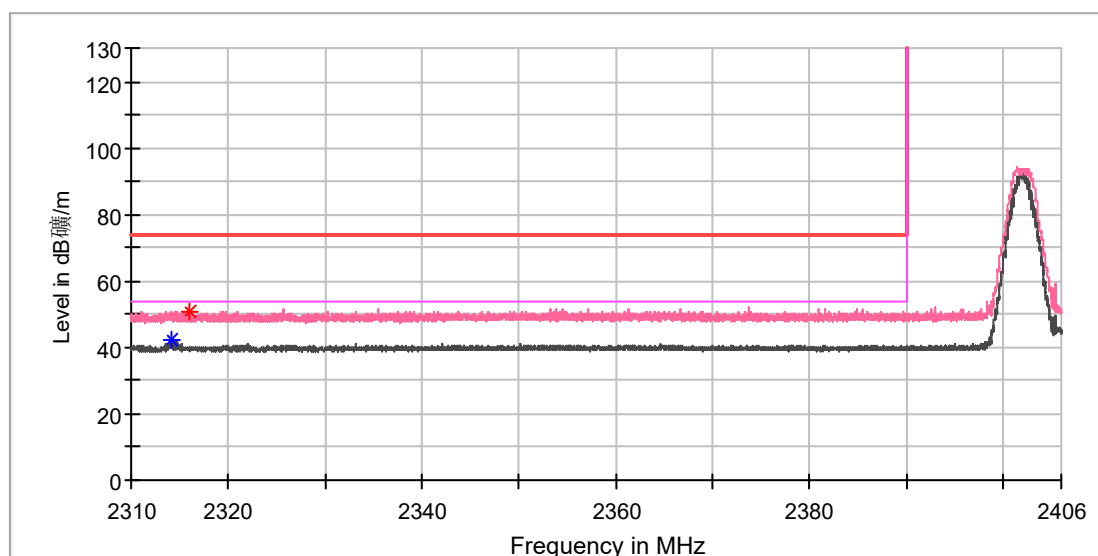
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2313.896471	---	45.81	54.00	8.19	150.0	H	106.0	8.1
2313.924706	53.19	---	74.00	20.81	150.0	H	100.0	8.1

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.75	120.00	110.00	120.00	0.00	30.00	00	000	0.00

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	168575881/A004163921-002
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

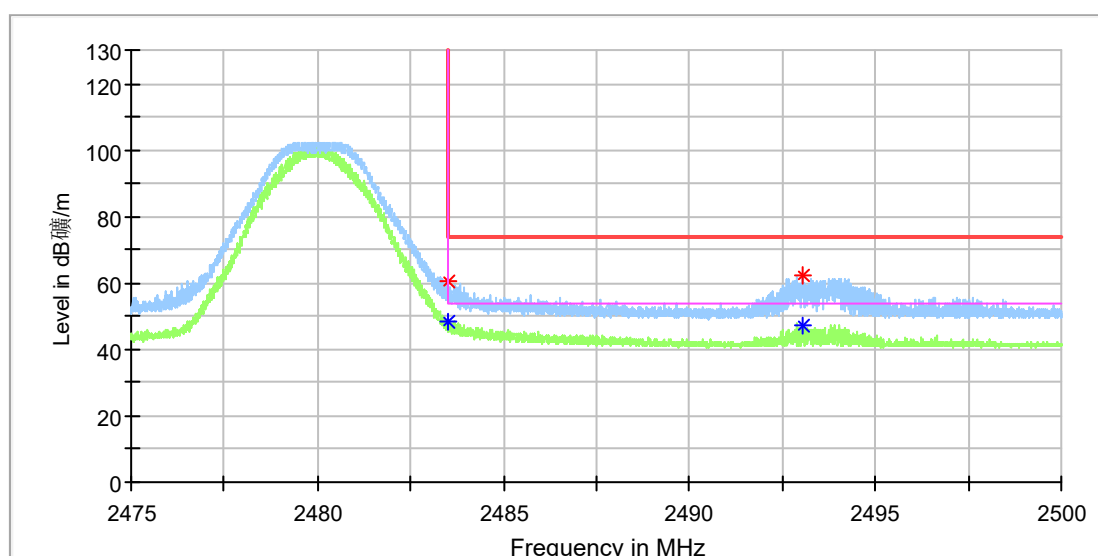
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2314.192941	---	42.12	54.00	11.88	150.0	V	174.0	8.1
2316.000000	50.94	---	74.00	23.06	150.0	V	34.0	8.2

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	118.0	118.0	118.0	0.0	100.0	0	0	0.0

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	BLE 2M_High channel
Order No/Sample No:	168575881/A004163921-002
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

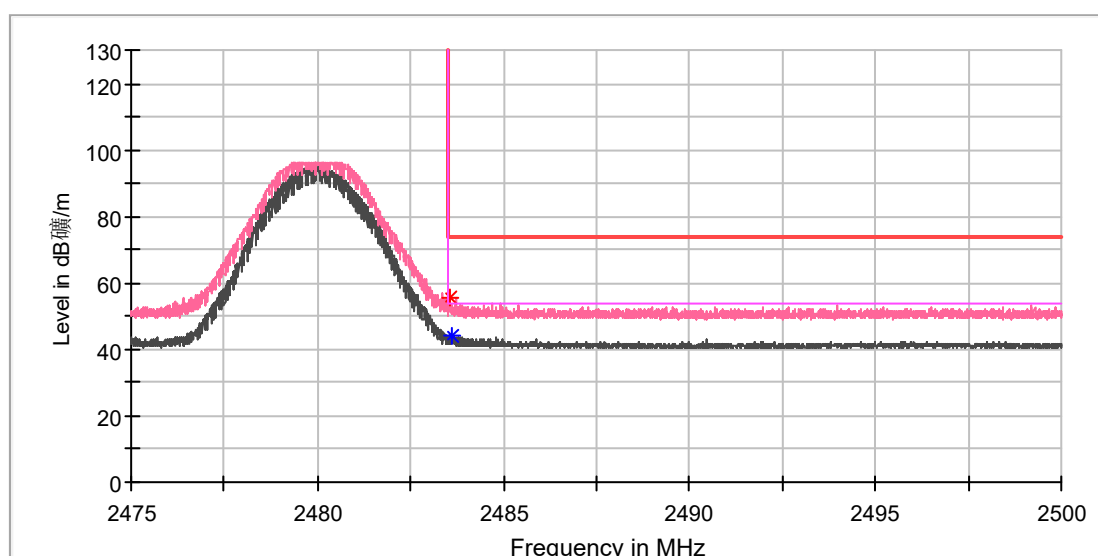
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.511030	---	48.62	54.00	5.38	150.0	H	94.0	9.0
2483.514706	60.56	---	74.00	13.44	150.0	H	94.0	9.0
2493.047794	---	47.16	54.00	6.84	150.0	H	100.0	9.0
2493.055147	62.33	---	74.00	11.67	150.0	H	86.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	BLE 2M_High channel
Order No/Sample No:	168575881/A004163921-002
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.584559	55.71	---	74.00	18.29	150.0	V	227.0	9.0
2483.621324	---	44.30	54.00	9.70	150.0	V	201.0	9.0

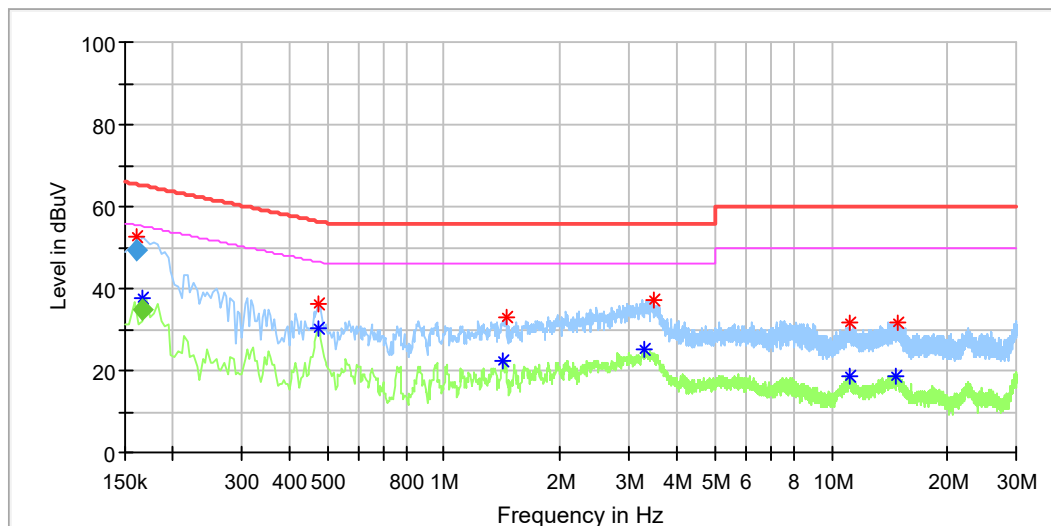
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	

Appendix A.7: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name: Cellular Connected Controller
Order Number: 168575881(P02100516)
Model: SCS 800
Test Mode: Wireless link
Test Voltage: AC 120V/60Hz
Test Standard: FCC Part 15
Test By./Review By: Aric Wang/Murphy Chen
Tem./Hum./Pressure: 24.3°C/51.0%/101kPa
Remark: SR 3



Critical Freqs

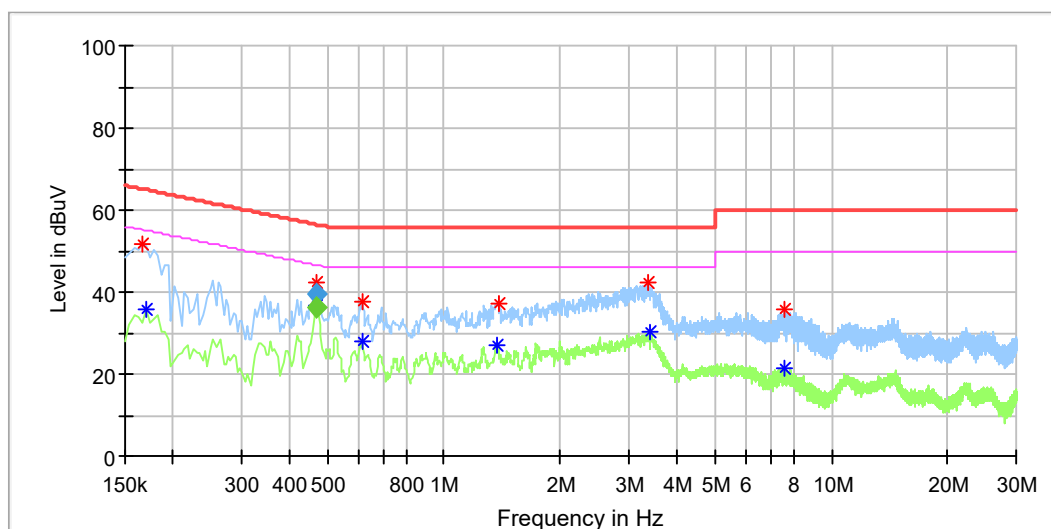
Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.162	52.6	---	65.16	12.52	L1	9.6
0.166	---	37.5	54.96	17.48	L1	9.6
0.474	---	30.4	46.44	16.02	L1	9.5
0.474	36.4	---	56.44	20.02	L1	9.5
1.418	---	22.4	46.00	23.59	L1	9.6
1.442	33.0	---	56.00	22.99	L1	9.6
3.302	---	25.3	46.00	20.70	L1	9.6
3.498	37.1	---	56.00	18.93	L1	9.7
11.074	31.7	---	60.00	28.27	L1	9.9
11.166	---	18.7	50.00	31.31	L1	9.9
14.682	---	18.7	50.00	31.29	L1	9.5
14.798	31.5	---	60.00	28.52	L1	9.5

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.162	49.2	---	65.39	16.21	1000.0	9.0	L1	9.6
0.166	---	35.1	55.18	20.08	1000.0	9.0	L1	9.6

EUT Information

EUT Name: Cellular Connected Controller
Order Number: 168575881(P02100516)
Model: SCS 800
Test Mode: Wireless link
Test Voltage: AC 120V/60Hz
Test Standard: FCC Part 15
Test By./Review By: Aric Wang/Murphy Chen
Tem./Hum./Pressure: 24.3°C/51.0%/101kPa
Remark: SR 3



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.166	51.5	---	65.16	13.67	N	9.8
0.170	---	36.0	54.96	18.96	N	9.8
0.470	---	36.8	46.51	9.74	N	9.9
0.470	42.2	---	56.59	14.40	N	9.9
0.614	37.5	---	56.00	18.47	N	9.9
0.614	---	28.1	46.00	17.94	N	9.9
1.370	---	27.2	46.00	18.83	N	9.9
1.390	37.4	---	56.00	18.59	N	9.9
3.382	42.4	---	56.00	13.57	N	9.7
3.402	---	30.2	46.00	15.79	N	9.7
7.526	36.0	---	60.00	24.03	N	9.8
7.526	---	21.3	50.00	28.74	N	9.8

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.470	---	36.3	46.52	10.21	1000.0	9.0	N	9.9
0.470	39.3	---	56.52	17.19	1000.0	9.0	N	9.9

Appendix B: Test Results of 2.4GHz Wi-Fi, LTE

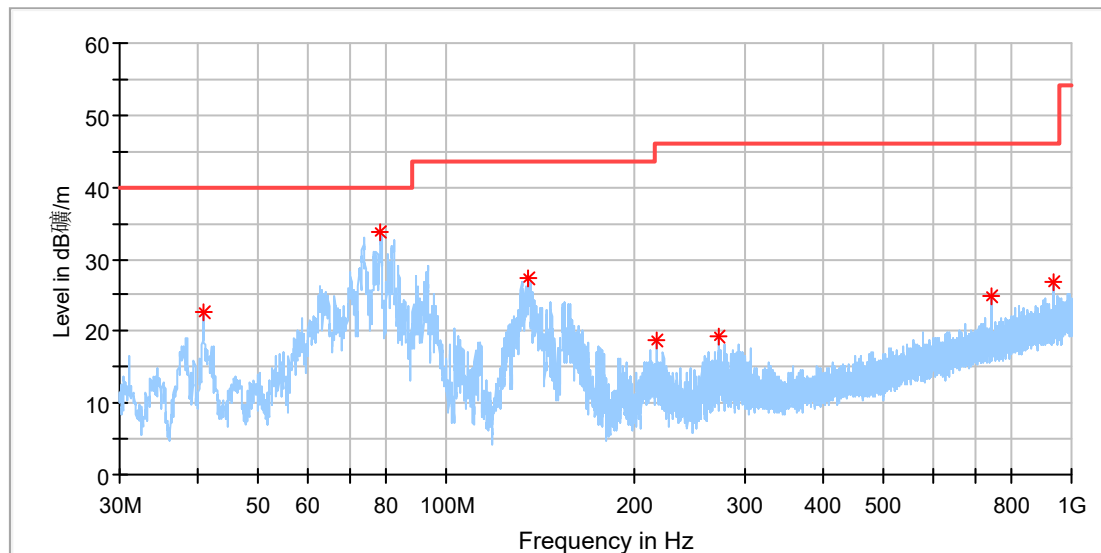
APPENDIX B: TEST RESULTS OF 2.4GHZ WI-FI, LTE.....	1
APPENDIX B.1: TEST RESULTS OF TRANSMITTER UNWANTED EMISSIONS IN THE SPURIOUS DOMAIN FOR 2.4GHZ WI-FI.....	2
<i>Radiated transmitter unwanted emissions, below 1GHz</i>	<i>2</i>
<i>Radiated transmitter unwanted emissions, above 1GHz</i>	<i>4</i>
APPENDIX B.2: TEST RESULTS OF TRANSMITTER UNWANTED EMISSIONS FOR LTE.....	26
<i>Radiated transmitter unwanted emissions, below 1GHz, with LTE Cat M1 & NB2 Module (M/N: BG96-M6) configuration.....</i>	<i>26</i>
<i>Radiated transmitter unwanted emissions, above 1GHz, with LTE Cat M1 & NB2 Module (M/N: BG96-M6) configuration.....</i>	<i>28</i>
<i>Radiated transmitter unwanted emissions, below 1GHz, with LTE Cat 1 bis Module (M/N: EG916Q-GL) configuration</i>	<i>32</i>
<i>Radiated transmitter unwanted emissions, above 1GHz, with LTE Cat 1 bis Module (M/N: EG916Q-GL) configuration</i>	<i>34</i>
APPENDIX B.3: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS.....	38

Appendix B.1: Test Results of Transmitter Unwanted Emissions in the Spurious Domain for 2.4GHz Wi-Fi

Radiated transmitter unwanted emissions, below 1GHz

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168575881/A004163921-001
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

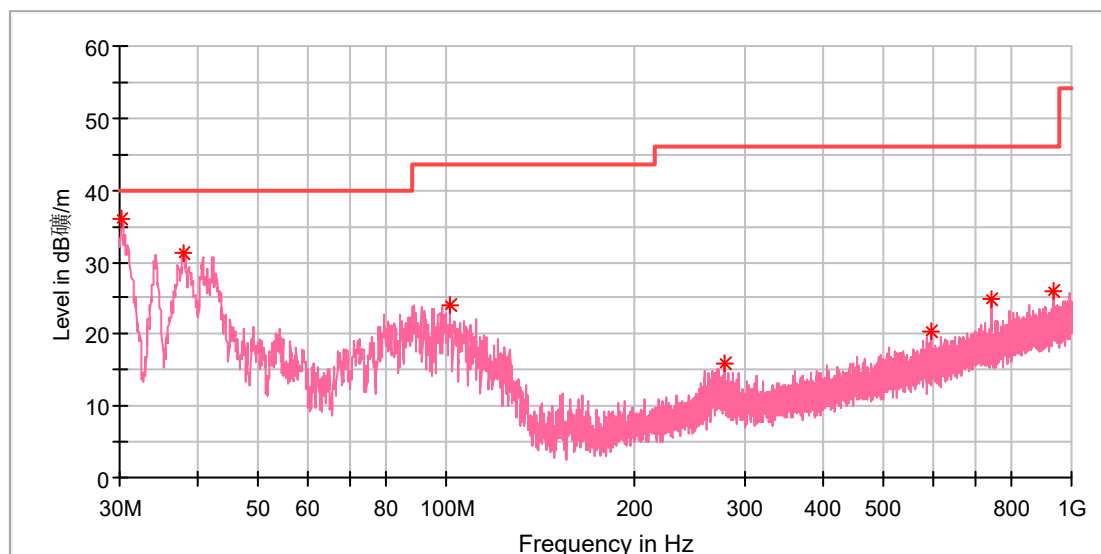
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
40.885556	22.71	40.00	17.29	100.0	H	295.0	-20.0
78.392222	33.65	40.00	6.35	100.0	H	67.0	-23.6
135.460556	27.36	43.50	16.14	100.0	H	59.0	-22.2
217.048333	18.65	46.00	27.35	100.0	H	288.0	-18.7
272.823333	19.31	46.00	26.69	100.0	H	271.0	-16.9
742.518889	24.83	46.00	21.17	100.0	H	202.0	-7.2
938.405000	26.77	46.00	19.23	100.0	H	75.0	-4.4

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Cellular Connected Controller
Model: SCS 800
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168575881/A004163921-001
Test Voltage:: AC 120V/60Hz
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.323333	35.98	40.00	4.02	100.0	V	250.0	-23.0
37.867778	31.19	40.00	8.81	100.0	V	124.0	-20.9
101.510556	24.09	43.50	19.41	100.0	V	69.0	-19.1
278.481667	15.77	46.00	30.23	100.0	V	131.0	-16.8
595.402222	20.48	46.00	25.52	100.0	V	258.0	-9.8
742.518889	24.71	46.00	21.29	100.0	V	86.0	-7.2
938.405000	25.86	46.00	20.14	100.0	V	77.0	-4.4

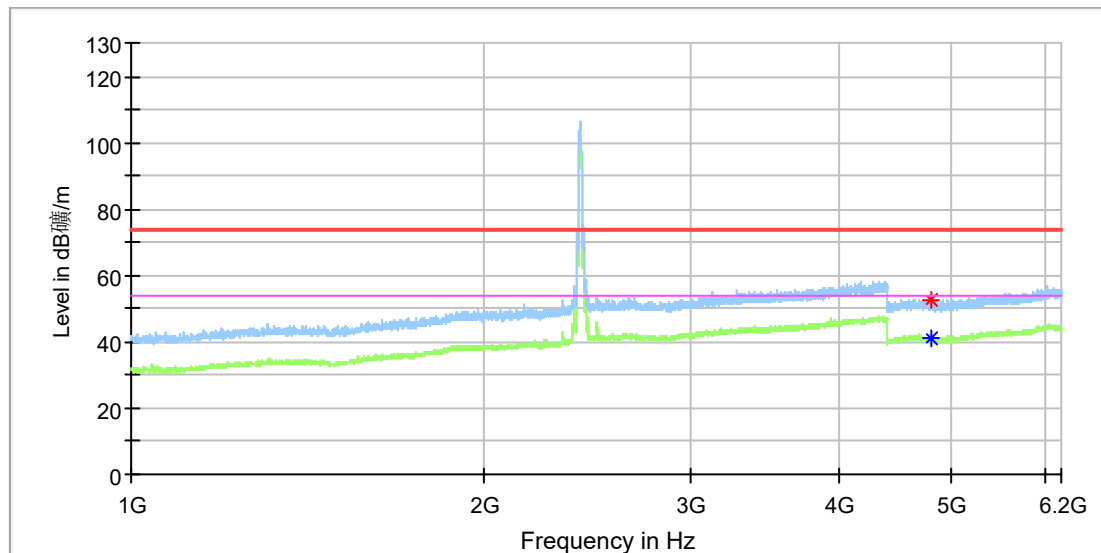
Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Radiated transmitter unwanted emissions, above 1GHz

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168575881/A004163921-001
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

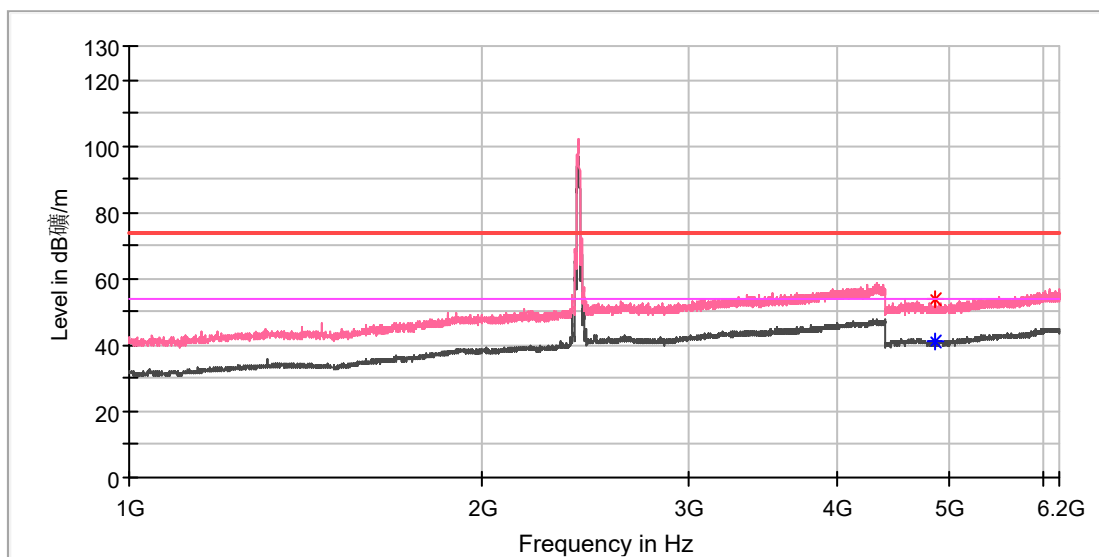
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.500000	---	41.26	54.00	12.74	150.0	H	257.0	13.3
4808.000000	52.62	---	74.00	21.38	150.0	H	250.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
----	----	----	----	----	----		----	

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168575881/A004163921-001
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

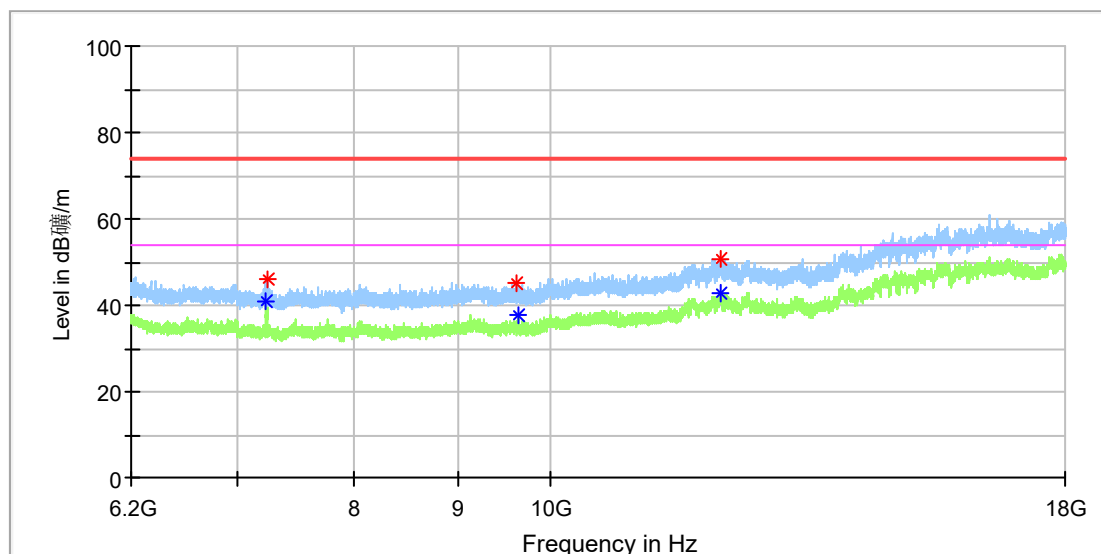
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4859.500000	---	41.21	54.00	12.79	150.0	V	134.0	13.3
4860.500000	53.95	---	74.00	20.05	150.0	V	201.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.75	120.00	110.00	110.00	0.00	30.00	00	000	0.00

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168575881/A004163921-001
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

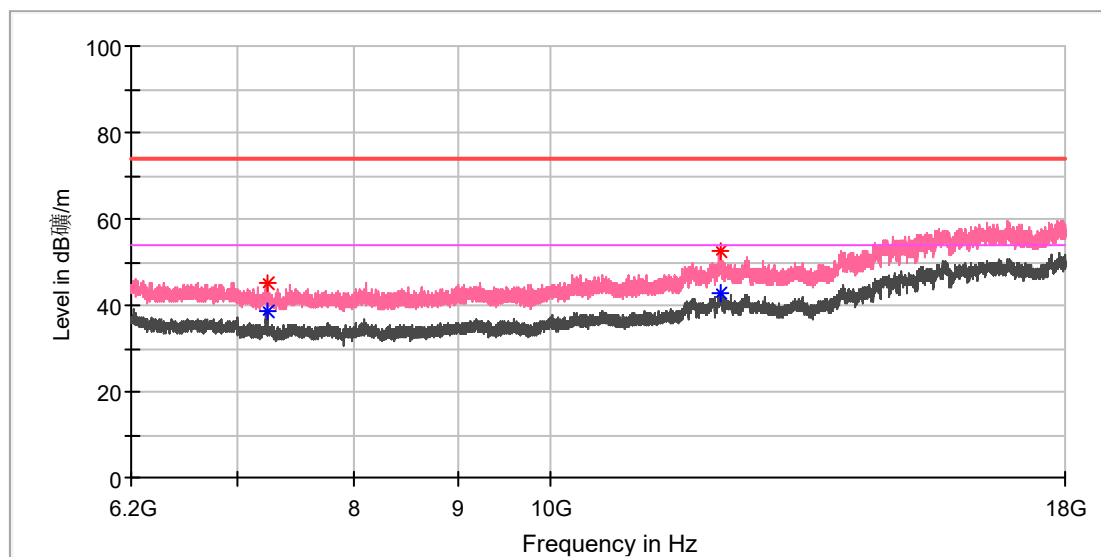
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7234.958333	---	41.05	54.00	12.95	150.0	H	256.0	8.6
7235.450000	45.90	---	74.00	28.10	150.0	H	256.0	8.6
9625.441667	45.11	---	74.00	28.89	150.0	H	324.0	10.4
9648.058333	---	37.69	54.00	16.31	150.0	H	156.0	10.4
12137.858333	---	42.89	54.00	11.11	150.0	H	324.0	16.4
12145.725000	50.71	---	74.00	23.29	150.0	H	279.0	16.6

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168575881/A004163921-001
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

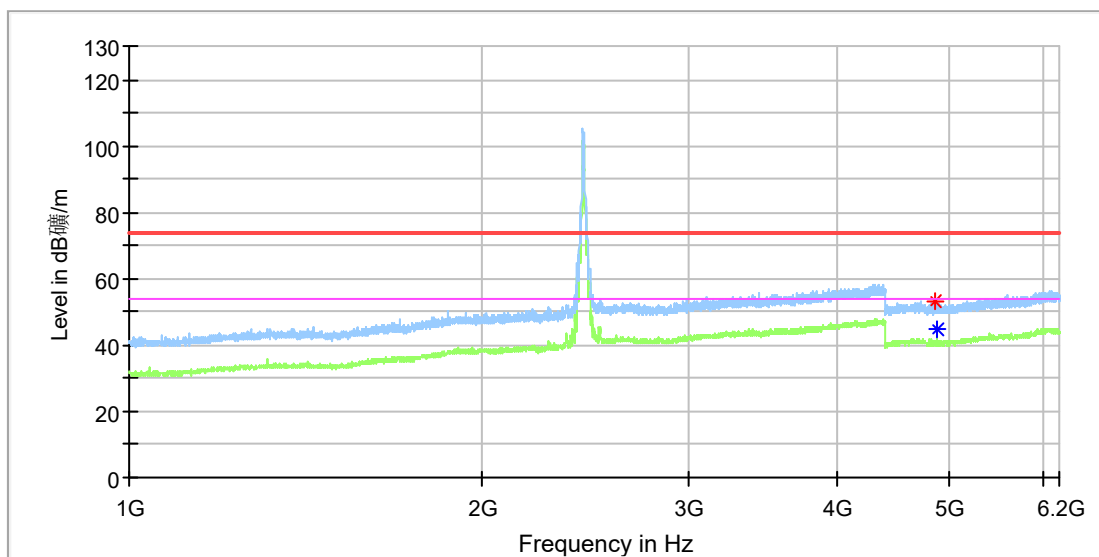
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7237.416667	44.93	---	74.00	29.07	150.0	V	22.0	8.6
7238.400000	---	38.62	54.00	15.38	150.0	V	22.0	8.6
12143.758333	52.51	---	74.00	21.49	150.0	V	175.0	16.6
12159.491667	---	42.60	54.00	11.40	150.0	V	283.0	16.2

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168575881/A004163921-001
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

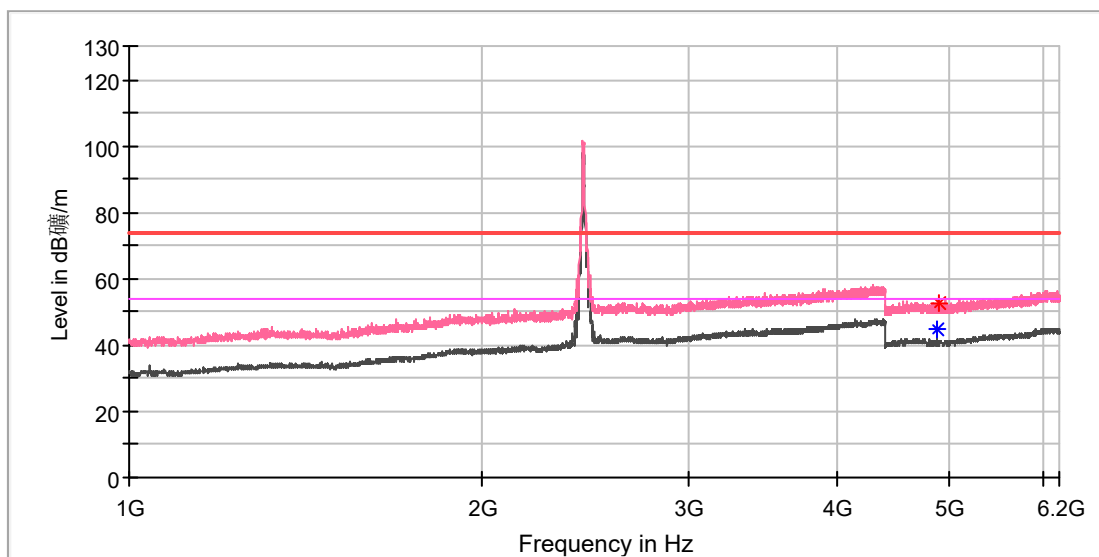
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4853.500000	52.96	---	74.00	21.04	150.0	H	176.0	13.3
4873.500000	---	44.61	54.00	9.39	150.0	H	237.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.75	122.0	118.0	120.0	2.0	30.0	V	0.0	0.0

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168575881/A004163921-001
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

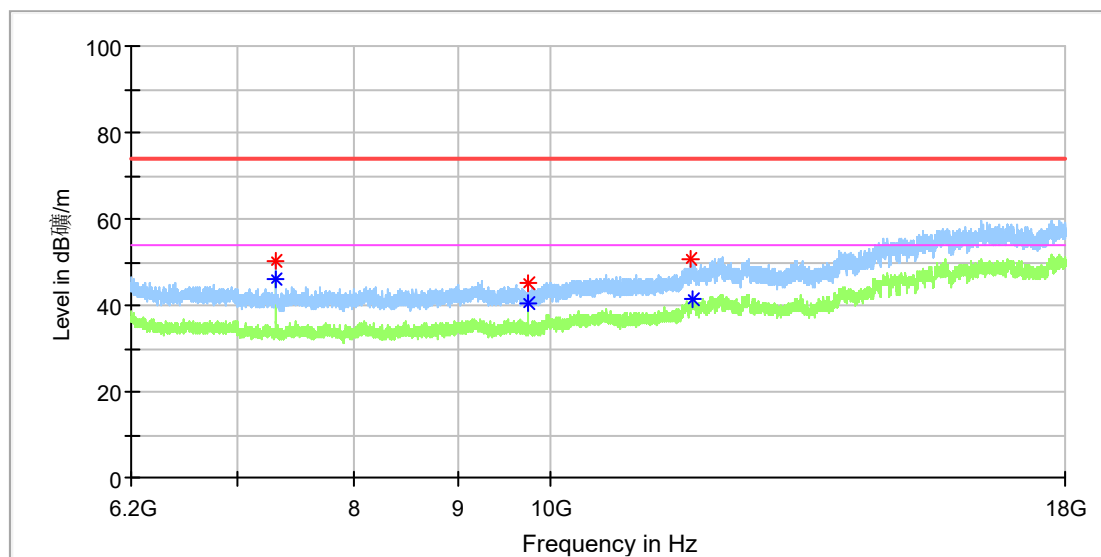
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	---	44.53	54.00	9.47	150.0	V	334.0	13.3
4896.000000	52.65	---	74.00	21.35	150.0	V	151.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168575881/A004163921-001
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

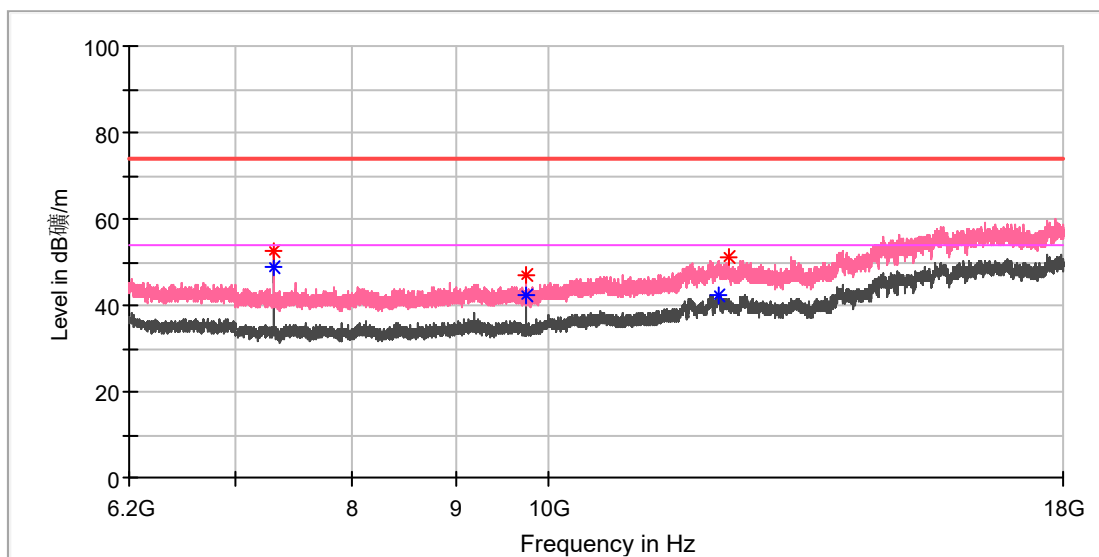
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7312.150000	---	45.98	54.00	8.02	150.0	H	307.0	8.2
7312.150000	50.26	---	74.00	23.74	150.0	H	307.0	8.2
9747.866667	45.32	---	74.00	28.68	150.0	H	252.0	10.4
9747.866667	---	40.64	54.00	13.36	150.0	H	252.0	10.4
11746.983333	50.67	---	74.00	23.33	150.0	H	296.0	15.3
11752.883333	---	41.58	54.00	12.42	150.0	H	167.0	15.5

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
----	----	----	----	----	----		----	----

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168575881/A004163921-001
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

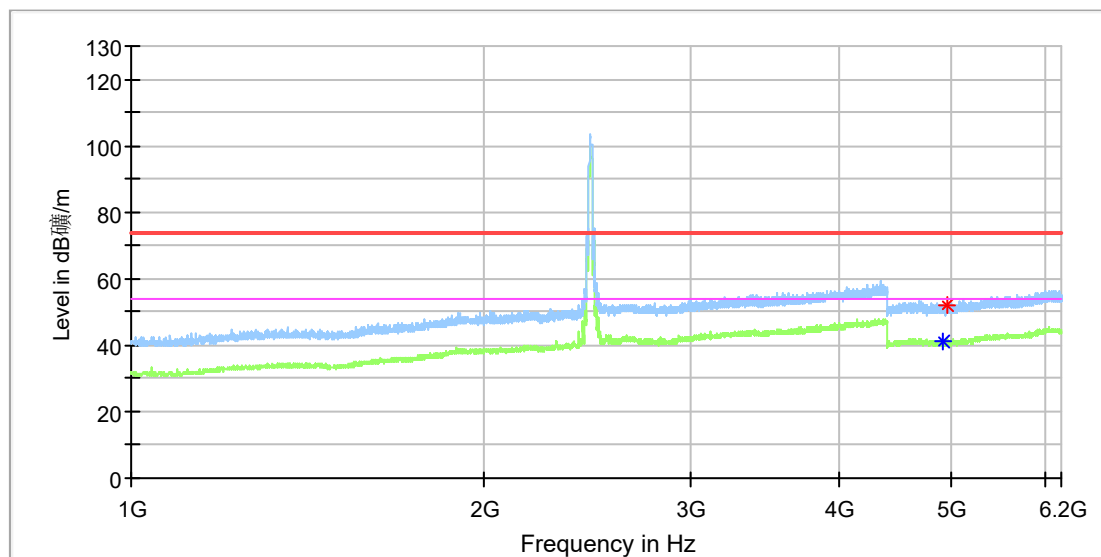
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
7309.691667	---	48.73	54.00	5.27	150.0	V	22.0	8.2
7310.675000	52.72	---	74.00	21.28	150.0	V	22.0	8.2
9747.375000	46.75	---	74.00	27.25	150.0	V	254.0	10.4
9747.866667	---	42.40	54.00	11.60	150.0	V	254.0	10.4
12156.050000	---	42.33	54.00	11.67	150.0	V	231.0	16.4
12277.983333	51.03	---	74.00	22.97	150.0	V	45.0	16.0

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
----	----	----	----	----	----		----	----

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168575881/A004163921-001
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

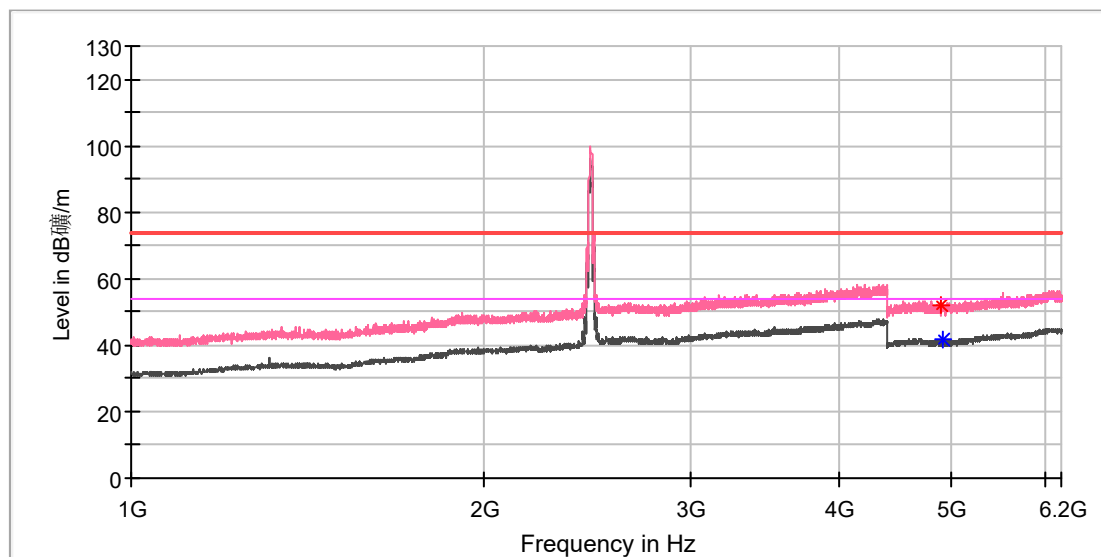
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4924.000000	---	41.34	54.00	12.66	150.0	H	235.0	13.3
4959.000000	52.19	---	74.00	21.81	150.0	H	202.0	13.3

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.5	122.5	122.5	0	100	h	135	0

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168575881/A004163921-001
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

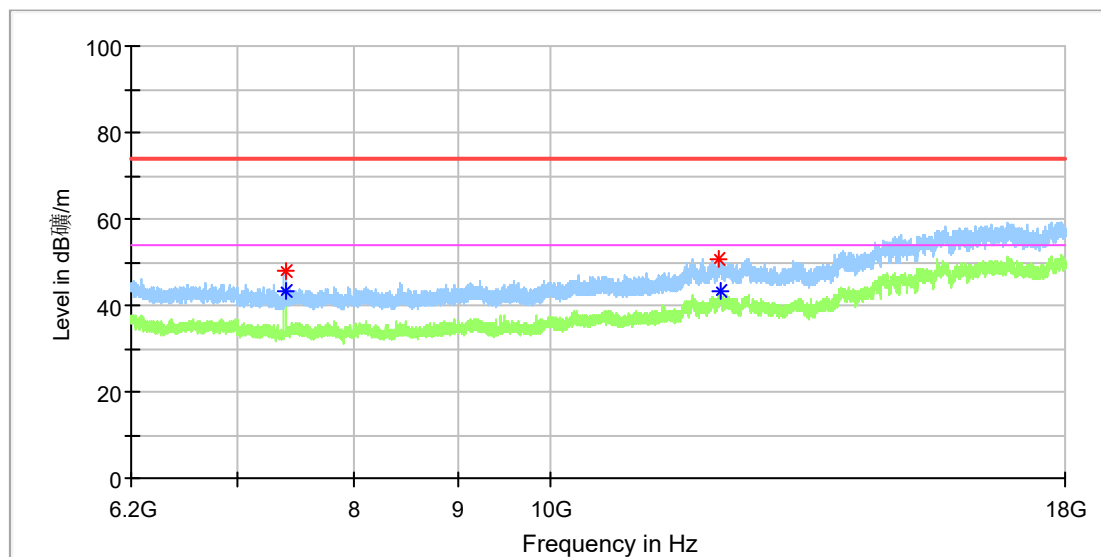
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
4902.000000	52.07	---	74.00	21.93	150.0	V	237.0	13.3
4924.000000	---	41.87	54.00	12.13	150.0	V	174.0	13.3

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.5	122.5	122.5	0.0	100	0	0	0

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168575881/A004163921-001
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

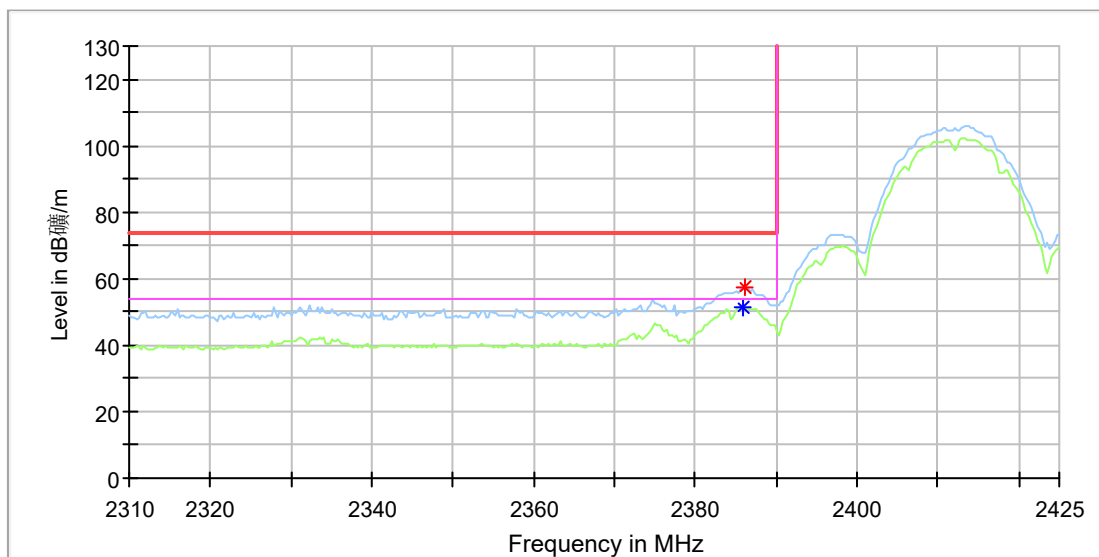
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7386.391667	---	43.30	54.00	10.70	150.0	H	309.0	8.2
7386.883333	47.92	---	74.00	26.08	150.0	H	309.0	8.2
12120.650000	50.61	---	74.00	23.39	150.0	H	179.0	16.0
12147.200000	---	43.43	54.00	10.57	150.0	H	43.0	16.7

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.0	118.0	120.0	2.0	30.0	V	135.0	0.0

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168575881/A004163921-001
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

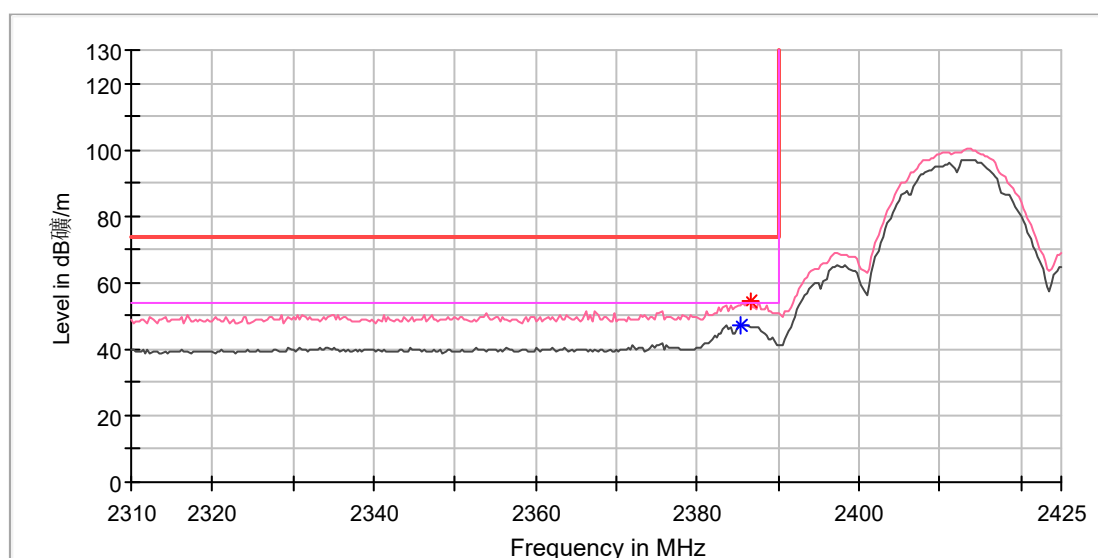
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.882353	---	51.69	54.00	2.31	150.0	H	298.0	8.5
2386.176471	57.24	---	74.00	16.76	150.0	H	298.0	8.5

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.5	122.5	122.5	0	100	h	135	0

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168575881/A004163921-001
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

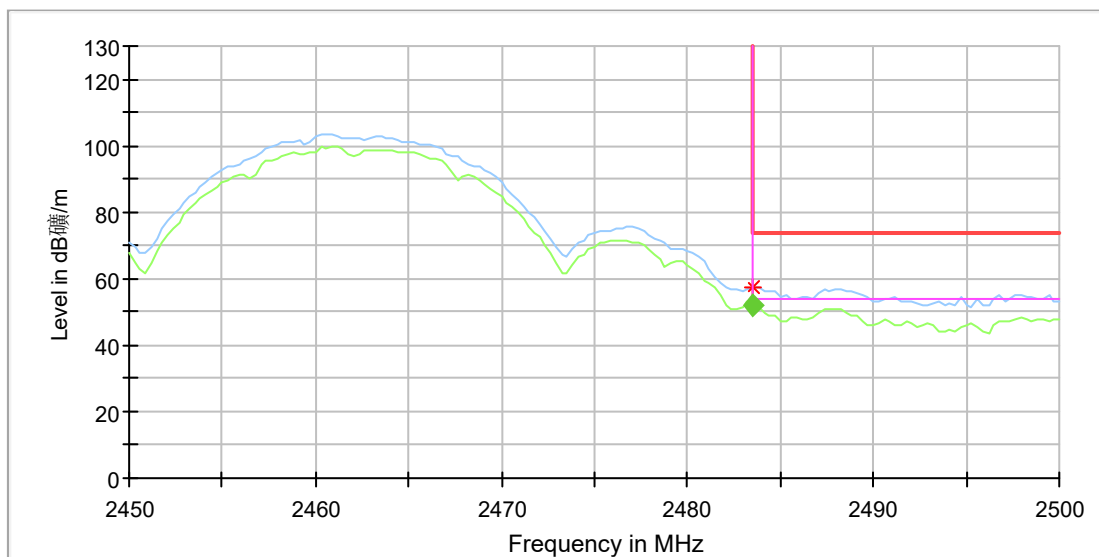
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.294118	---	47.43	54.00	6.57	150.0	V	205.0	8.5
2386.470588	54.22	---	74.00	19.78	150.0	V	205.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	-100.000000	-100.000000	-100.000000	0.000000	0.000000		0.000000	0.000000

EUT Information

EUT Name: Cellular Connected Controller
Model: SCS 800
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168575881/A004163921-001
Test Voltage:: AC 120V/60Hz
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

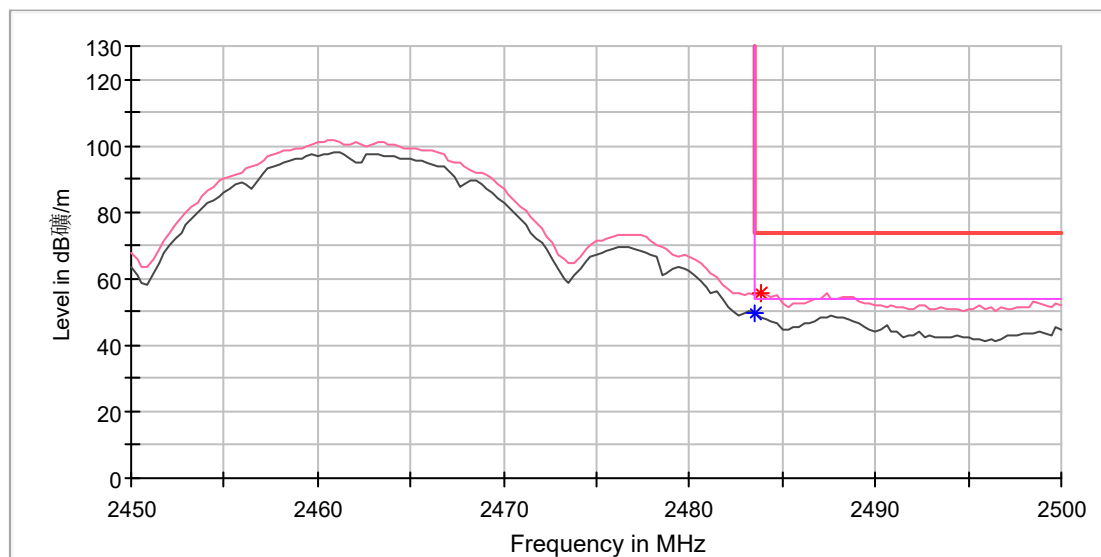
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	57.30	---	74.00	16.70	150.0	H	299.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	---	51.87	54.00	2.13	150.0	H	299.0	9.0

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168575881/A004163921-001
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

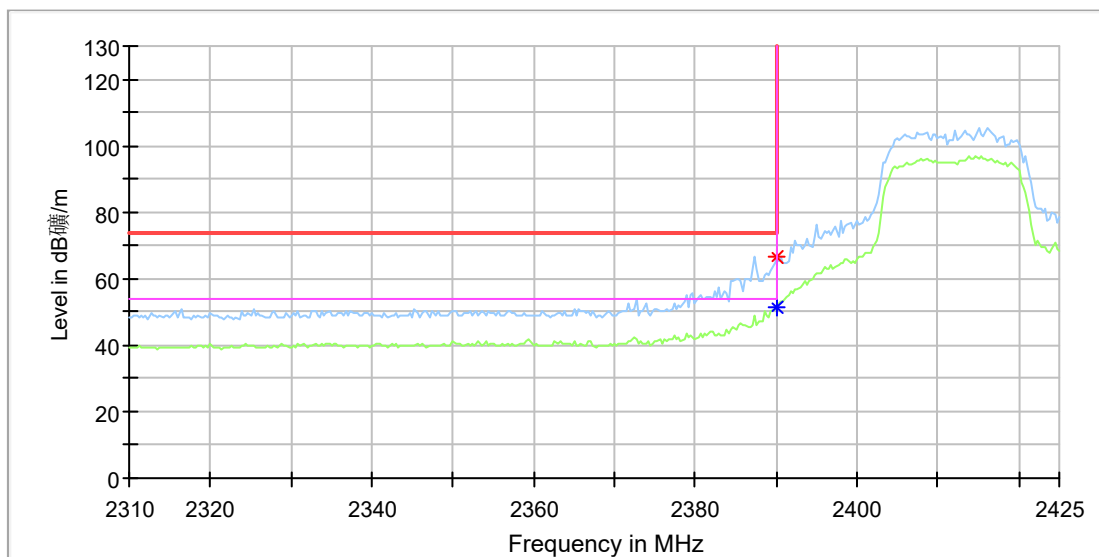
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
2483.529412	---	49.70	54.00	4.30	150.0	V	315.0	9.0
2483.823529	55.43	---	74.00	18.57	150.0	V	274.0	9.0

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.5	122.5	122.5	0.0	100.0	0	0	0

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168575881/A004163921-001
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

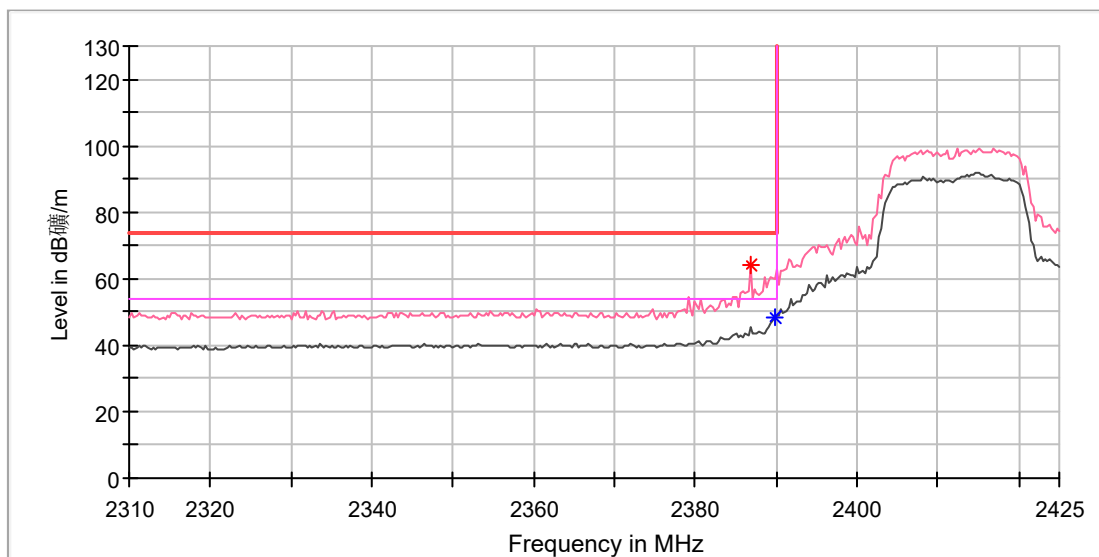
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.000000	---	51.47	54.00	2.53	150.0	H	158.0	8.5
2390.000000	66.76	---	74.00	7.24	150.0	H	158.0	8.5

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	59.5	59.5	59.5	0.0	100	h	135	0.0

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168575881/A004163921-001
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

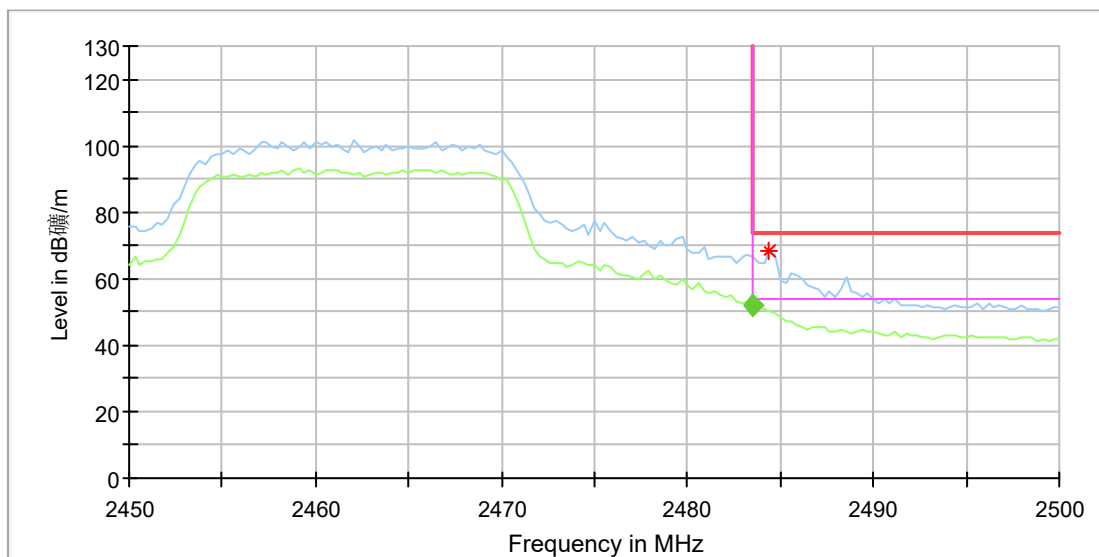
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.764706	64.10	---	74.00	9.90	150.0	V	198.0	8.5
2389.705882	---	48.60	54.00	5.40	150.0	V	198.0	8.5

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.5	122.5	122.5	0.0	100.0	0	0	0

EUT Information

EUT Name: Cellular Connected Controller
Model: SCS 800
Test Mode: WIFI 2.4G_11g_Ch11
Order No/Sample No: 168575881/A004163921-001
Test Voltage:: AC 120V/60Hz
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

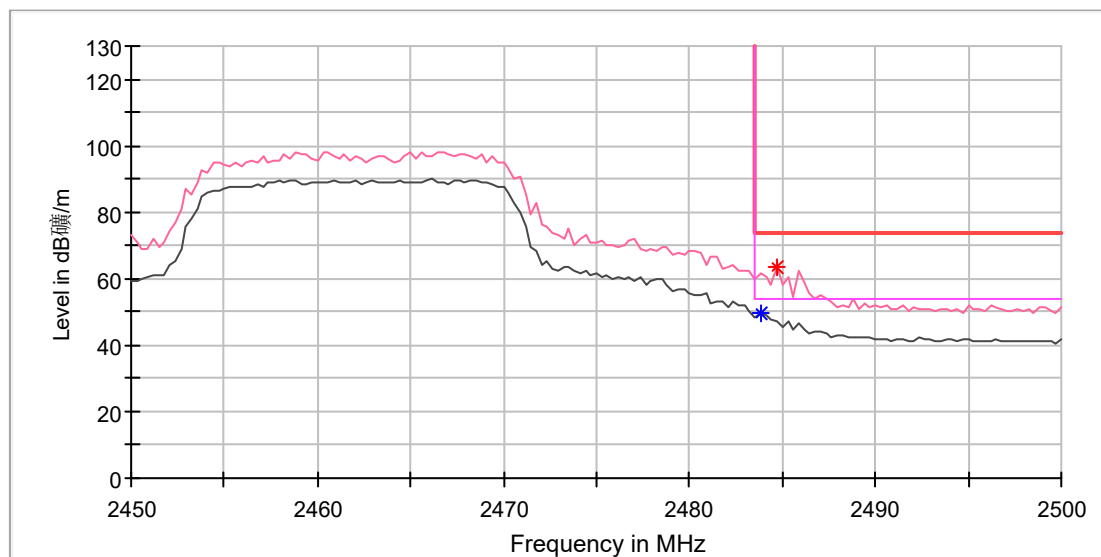
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.411765	68.40	---	74.00	5.60	150.0	H	300.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	---	51.92	54.00	2.08	150.0	H	300.0	9.0

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	WIFI 2.4G_11g_Ch11
Order No/Sample No:	168575881/A004163921-001
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

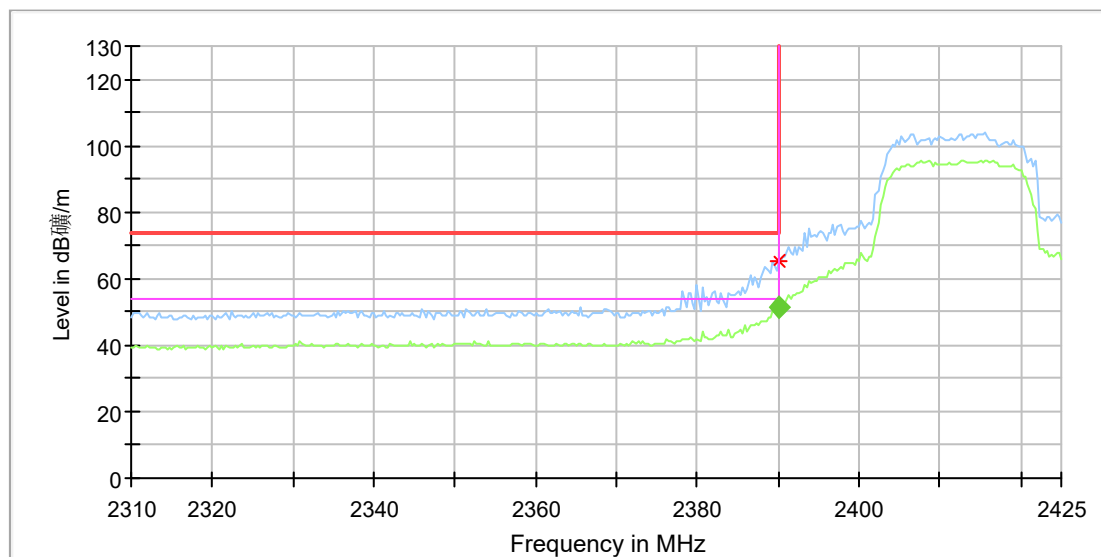
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
2483.823529	---	49.48	54.00	4.52	150.0	V	206.0	9.0
2484.705882	63.79	---	74.00	10.21	150.0	V	269.0	9.0

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.5	122.5	122.5	0.0	100	0	0	0

EUT Information

EUT Name: Cellular Connected Controller
Model: SCS 800
Test Mode: WIFI 2.4G_11n20_Ch1
Order No/Sample No: 168575881/A004163921-001
Test Voltage:: AC 120V/60Hz
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

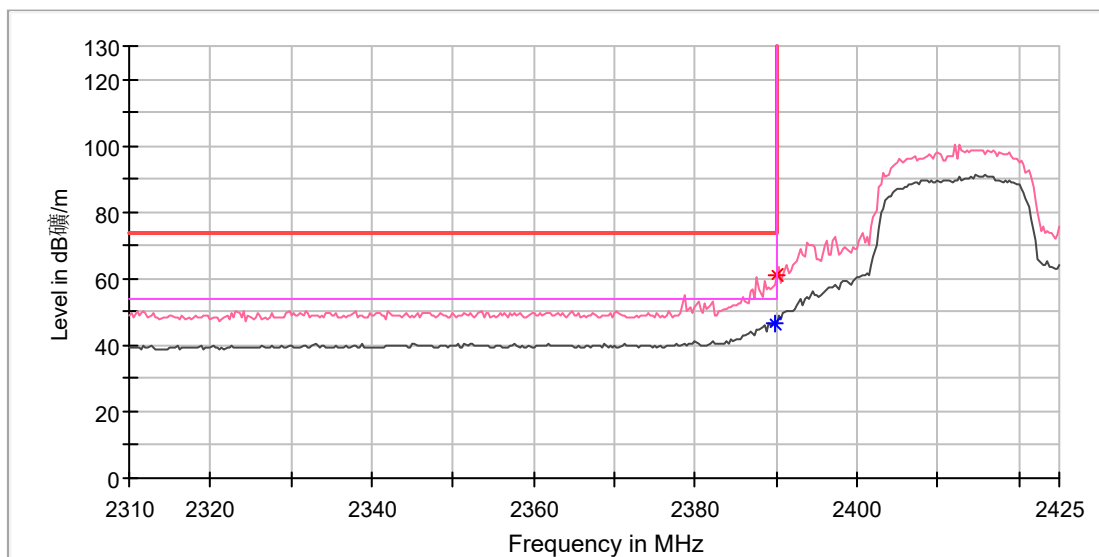
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.000000	65.53	---	74.00	8.47	150.0	H	214.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.000000	---	51.69	54.00	2.31	150.0	H	214.0	8.5

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	WIFI 2.4G_11n20_Ch1
Order No/Sample No:	168575881/A004163921-001
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

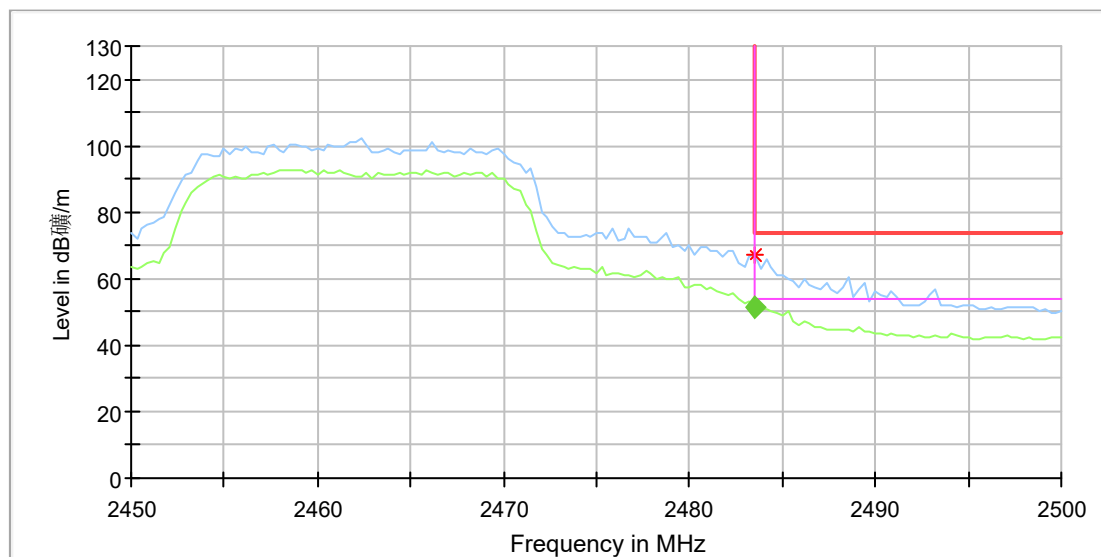
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
2389.705882	---	46.60	54.00	7.40	150.0	V	201.0	8.5
2390.000000	60.89	---	74.00	13.11	150.0	V	208.0	8.5

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.5	122.5	122.5	0.0	100	h	135	0.0

EUT Information

EUT Name: Cellular Connected Controller
Model: SCS 800
Test Mode: WIFI 2.4G_11n20_Ch11
Order No/Sample No: 168575881/A004163921-001
Test Voltage:: AC 120V/60Hz
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	66.96	---	74.00	7.04	150.0	H	163.0	9.0

Final Result

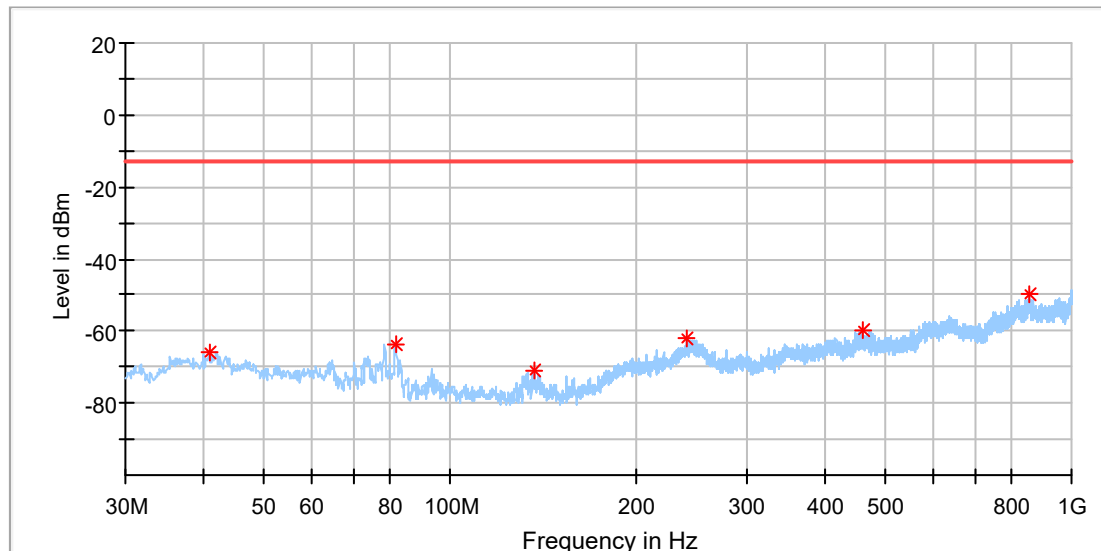
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	---	51.63	54.00	2.37	150.0	H	163.0	9.0

Appendix B.2: Test Results of Transmitter Unwanted Emissions for LTE

Radiated transmitter unwanted emissions, below 1GHz, with LTE Cat M1 & NB2 Module (M/N: BG96-M6) configuration

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	B2_5M_QPSK_Mid Channel
Order No/Sample No:	168575881/A004163921-004
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

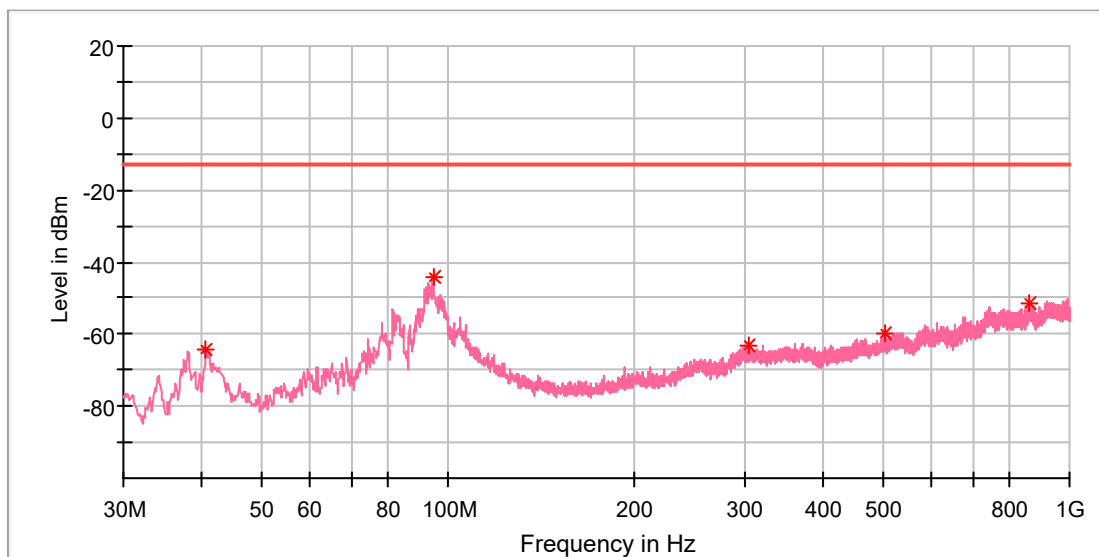


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
40.912500	-65.75	-13.00	52.75	100.0	H	81.0	-112.6
81.773750	-63.83	-13.00	50.83	100.0	H	61.0	-123.5
136.336250	-71.00	-13.00	58.00	100.0	H	45.0	-123.9
240.853750	-61.79	-13.00	48.79	100.0	H	229.0	-110.3
463.226250	-59.65	-13.00	46.65	100.0	H	70.0	-108.5
854.863750	-49.98	-13.00	36.98	100.0	H	165.0	-100.0

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	B2_5M_QPSK_Mid Channel
Order No/Sample No:	168575881/A004163921-004
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



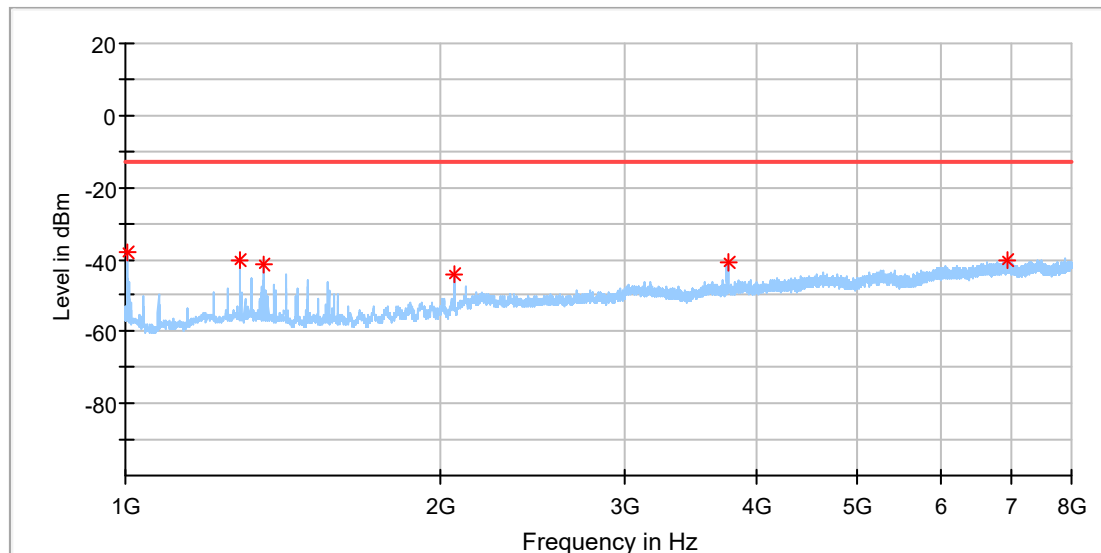
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
40.791250	-64.48	-13.00	51.48	100.0	V	65.0	-123.9
94.868750	-43.95	-13.00	30.95	100.0	V	183.0	-99.8
304.025000	-63.10	-13.00	50.10	100.0	V	243.0	-110.9
503.238750	-59.69	-13.00	46.69	100.0	V	304.0	-109.0
860.320000	-51.25	-13.00	38.25	100.0	V	304.0	-100.7

Radiated transmitter unwanted emissions, above 1GHz, with LTE Cat M1 & NB2 Module (M/N: BG96-M6) configuration

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	B2_5M_QPSK_Mid Channel
Order No/Sample No:	168575881/A004163921-004
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

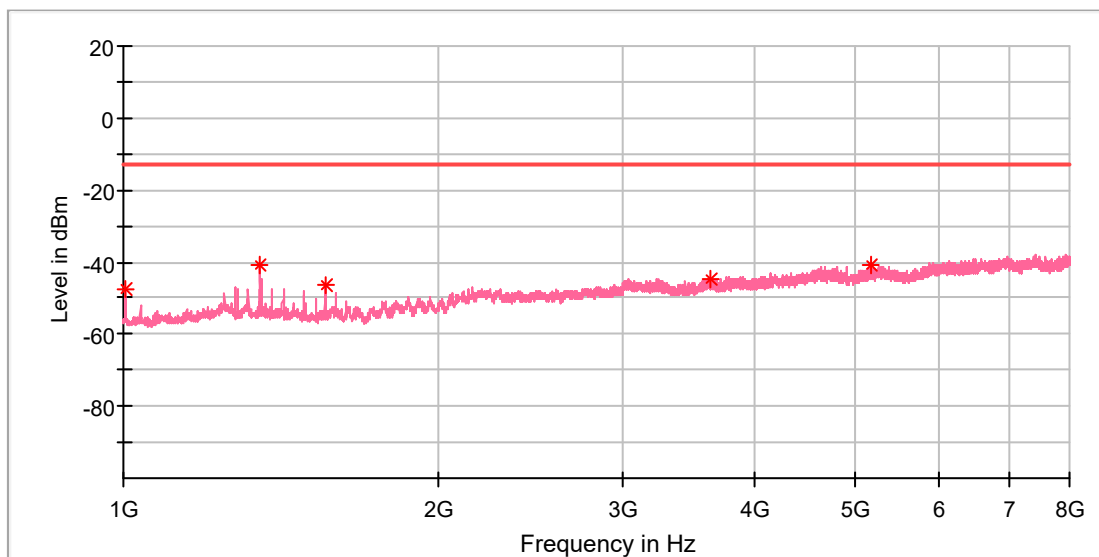


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1006.000000	-37.81	-13.00	24.81	150.0	H	12.0	-94.4
1284.000000	-40.02	-13.00	27.02	150.0	H	168.0	-92.7
1354.500000	-41.67	-13.00	28.67	150.0	H	324.0	-93.0
2061.500000	-44.03	-13.00	31.03	150.0	H	26.0	-90.0
3764.500000	-40.63	-13.00	27.63	150.0	H	270.0	-85.4
6956.000000	-40.13	-13.00	27.13	150.0	H	149.0	-79.1

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	B2_5M_QPSK_Mid Channel
Order No/Sample No:	168575881/A004163921-004
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

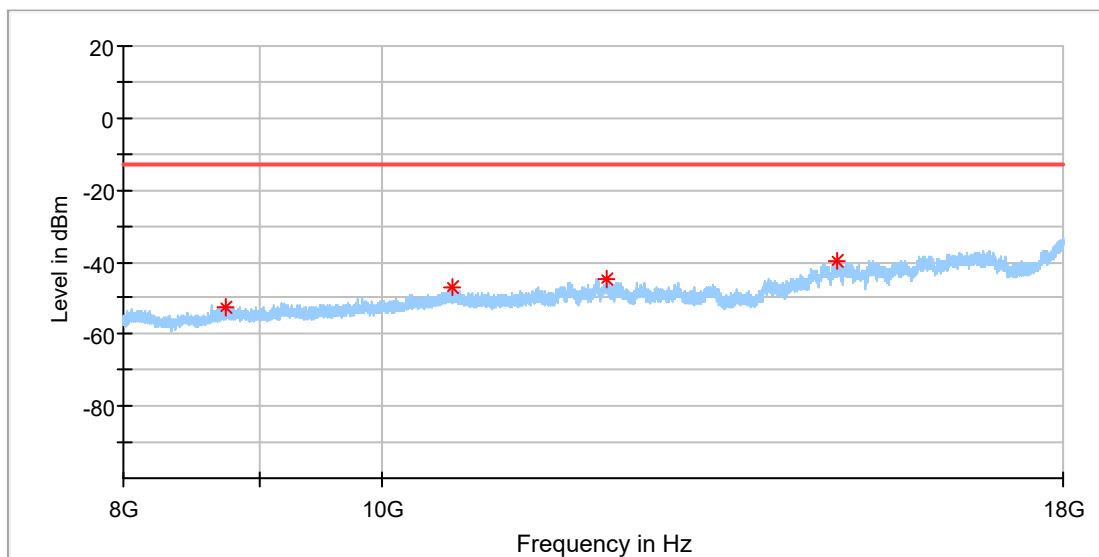


Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1005.000000	-47.72	-13.00	34.72	150.0	V	133.0	-93.8
1351.000000	-40.89	-13.00	27.89	150.0	V	249.0	-91.3
1558.000000	-46.63	-13.00	33.63	150.0	V	321.0	-91.7
3630.500000	-44.50	-13.00	31.50	150.0	V	204.0	-83.5
5180.500000	-40.89	-13.00	27.89	150.0	V	232.0	-80.3

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	B2_5M_QPSK_Mid Channel
Order No/Sample No:	168575881/A004163921-004
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

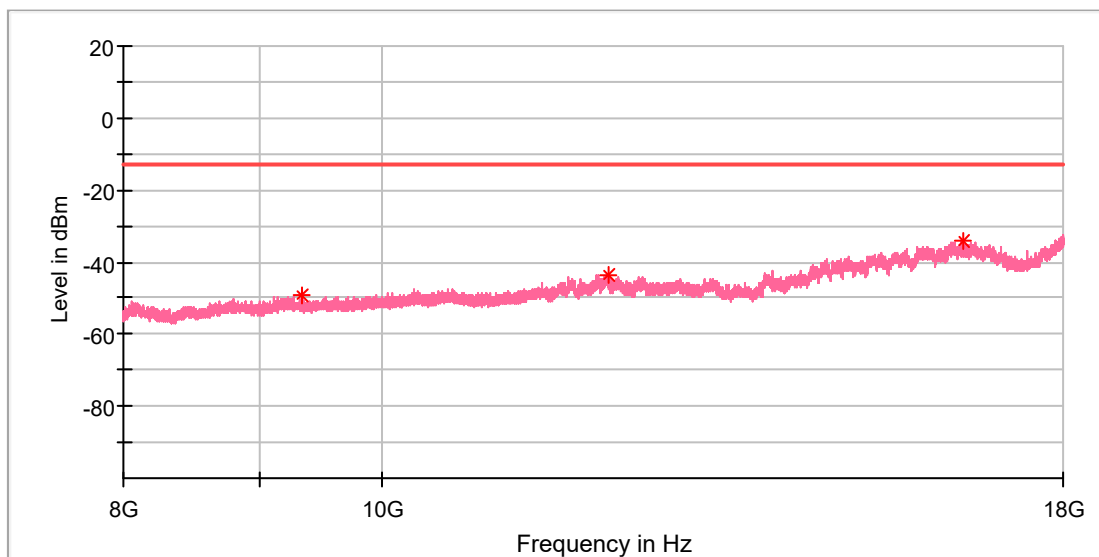


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
8731.000000	-52.31	-13.00	39.31	150.0	H	186.0	-86.7
10619.000000	-46.88	-13.00	33.88	150.0	H	73.0	-82.6
12138.500000	-44.78	-13.00	31.78	150.0	H	42.0	-79.8
14803.000000	-39.92	-13.00	26.92	150.0	H	265.0	-75.9

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	B2_5M_QPSK_Mid Channel
Order No/Sample No:	168575881/A004163921-004
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



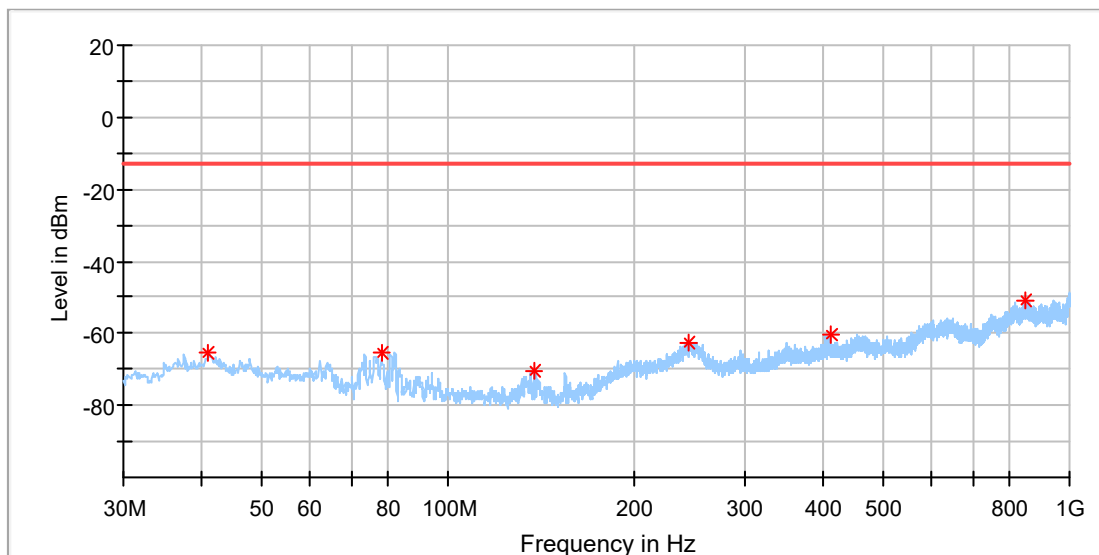
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
9338.500000	-49.44	-13.00	36.44	150.0	V	266.0	-84.4
12150.500000	-43.62	-13.00	30.62	150.0	V	358.0	-77.7
16499.500000	-34.31	-13.00	21.31	150.0	V	280.0	-70.7

Radiated transmitter unwanted emissions, below 1GHz, with LTE Cat 1 bis Module (M/N: EG916Q-GL) configuration

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	LTE B2_1.4M_QPSK_Mid Channel
Order No/Sample No:	168575881/A004163921-003
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

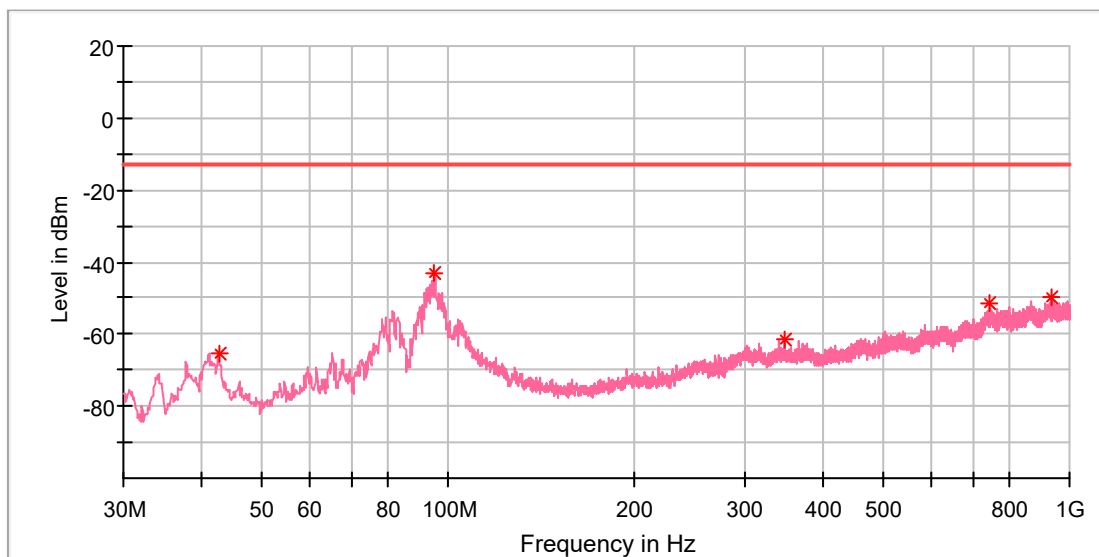


Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
41.033750	-65.56	-13.00	52.56	100.0	H	297.0	-112.5
78.136250	-65.20	-13.00	52.20	100.0	H	302.0	-124.2
138.033750	-70.59	-13.00	57.59	100.0	H	55.0	-123.5
243.885000	-62.80	-13.00	49.80	100.0	H	136.0	-110.0
412.665000	-60.47	-13.00	47.47	100.0	H	221.0	-109.5
851.468750	-50.90	-13.00	37.90	100.0	H	226.0	-99.8

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	LTE B2_1.4M_QPSK_Mid Channel
Order No/Sample No:	168575881/A004163921-003
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



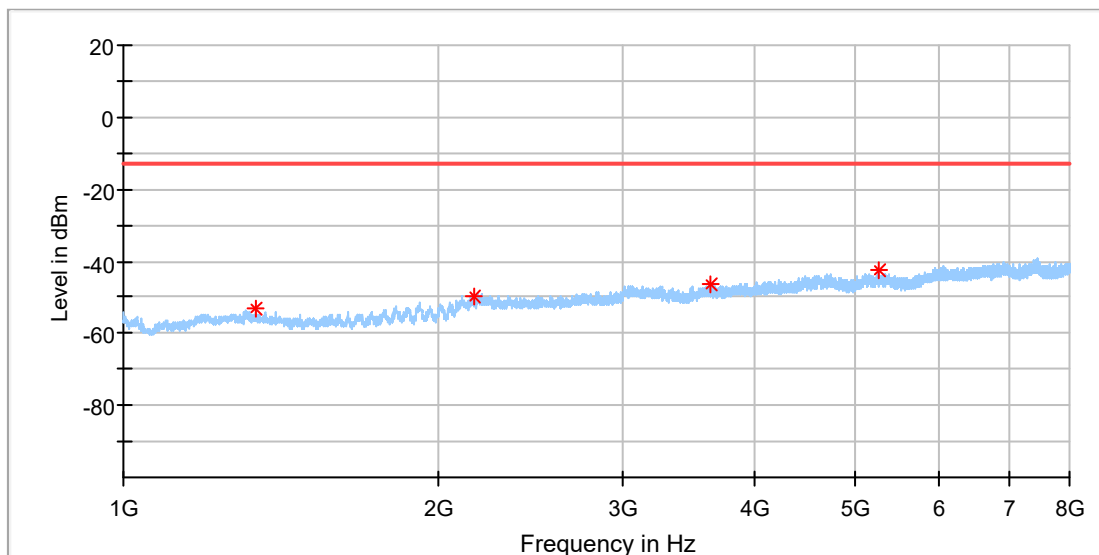
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
42.731250	-65.17	-13.00	52.17	100.0	V	256.0	-123.7
95.232500	-42.88	-13.00	29.88	100.0	V	193.0	-100.0
348.887500	-61.60	-13.00	48.60	100.0	V	145.0	-110.9
745.617500	-51.39	-13.00	38.39	100.0	V	354.0	-101.8
934.525000	-49.55	-13.00	36.55	100.0	V	354.0	-100.1

Radiated transmitter unwanted emissions, above 1GHz, with LTE Cat 1 bis Module (M/N: EG916Q-GL) configuration

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	LTE B2_1.4M_QPSK_Mid Channel
Order No/Sample No:	168575881/A004163921-003
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

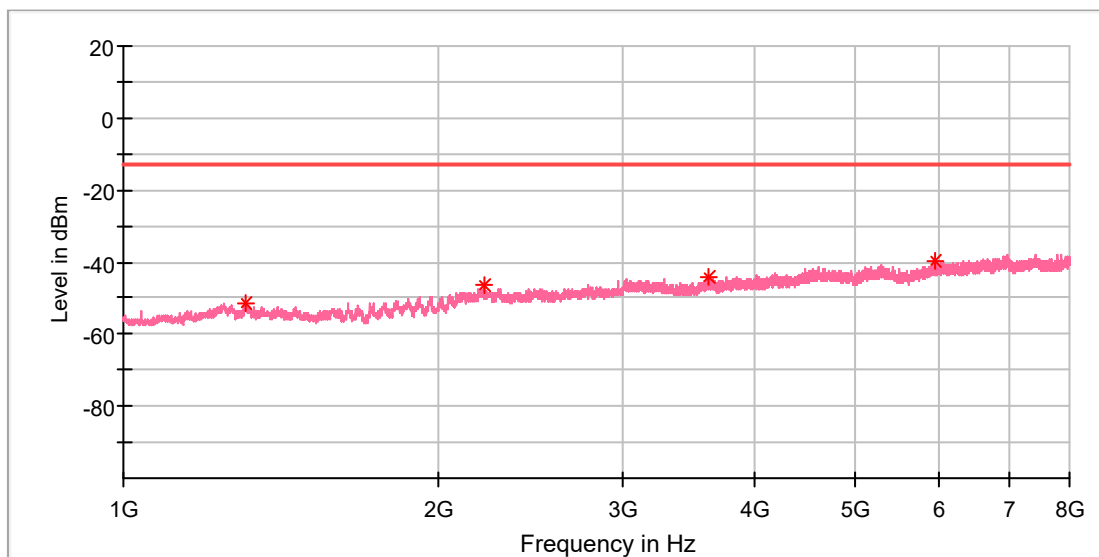


Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1336.500000	-53.12	-13.00	40.12	150.0	H	1.0	-92.8
2157.500000	-49.50	-13.00	36.50	150.0	H	3.0	-88.0
3635.500000	-46.32	-13.00	33.32	150.0	H	131.0	-85.7
5253.000000	-42.40	-13.00	29.40	150.0	H	61.0	-81.9

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	LTE B2_1.4M_QPSK_Mid Channel
Order No/Sample No:	168575881/A004163921-003
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

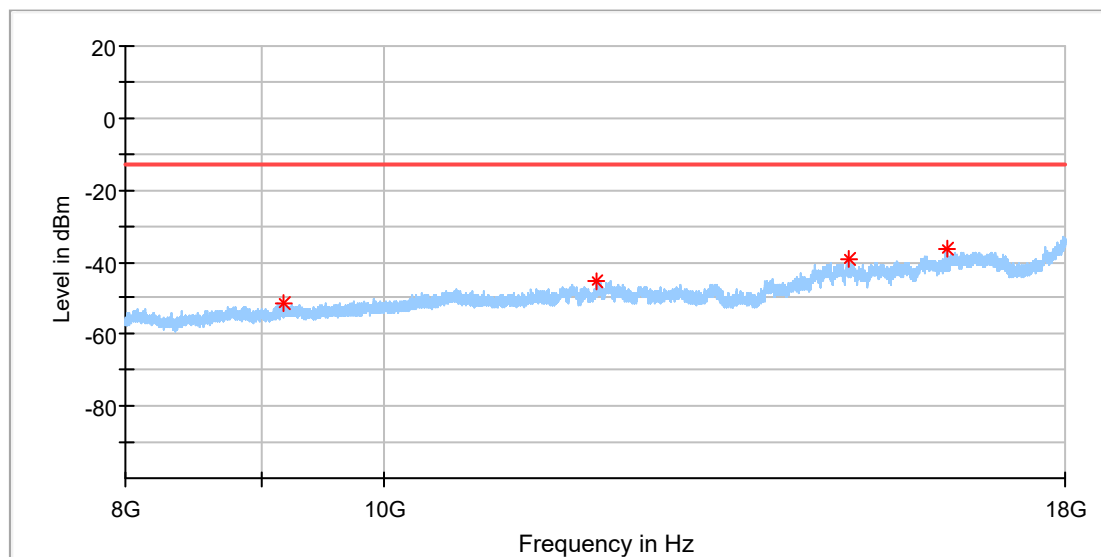


Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1308.500000	-51.70	-13.00	38.70	150.0	V	254.0	-90.1
2209.000000	-46.69	-13.00	33.69	150.0	V	144.0	-86.0
3617.000000	-43.91	-13.00	30.91	150.0	V	70.0	-83.6
5943.500000	-39.56	-13.00	26.56	150.0	V	6.0	-79.0

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	LTE B2_1.4M_QPSK_Mid Channel
Order No/Sample No:	168575881/A004163921-003
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

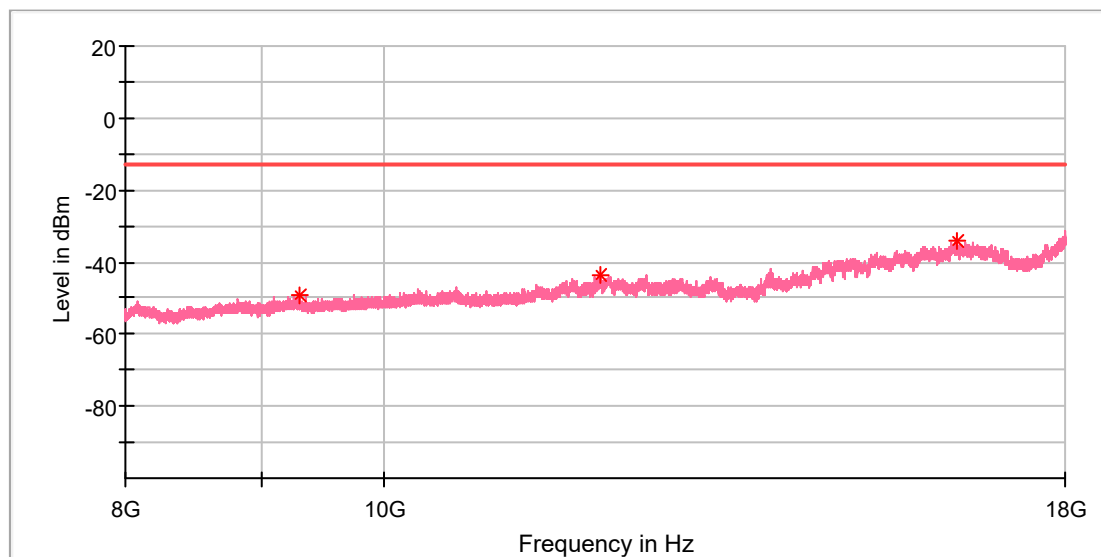


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
9176.000000	-51.46	-13.00	38.46	150.0	H	72.0	-86.1
12020.500000	-45.19	-13.00	32.20	150.0	H	350.0	-80.1
14931.500000	-39.18	-13.00	26.18	150.0	H	269.0	-75.9
16251.000000	-36.64	-13.00	23.64	150.0	H	288.0	-74.8

EUT Information

EUT Name:	Cellular Connected Controller
Model:	SCS 800
Test Mode:	LTE B2_1.4M_QPSK_Mid Channel
Order No/Sample No:	168575881/A004163921-003
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



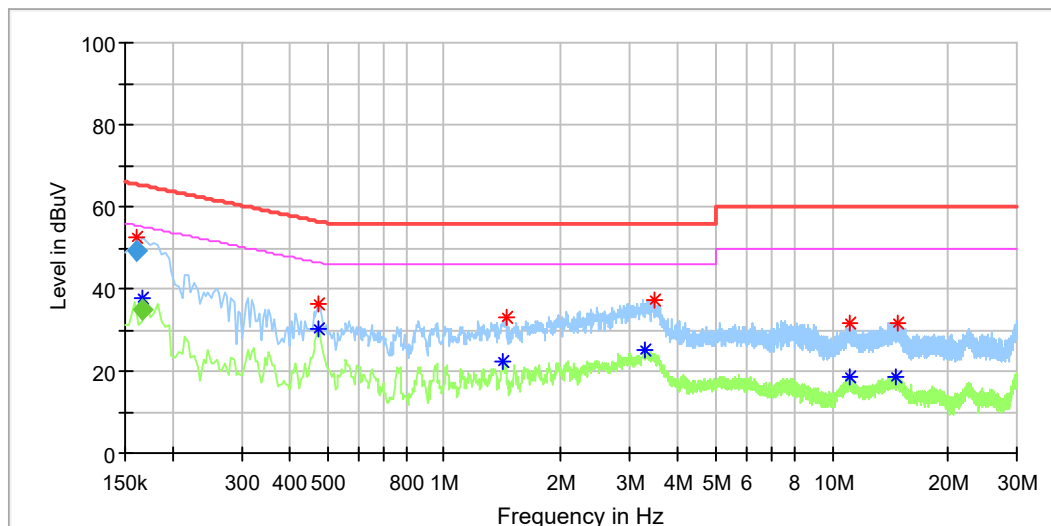
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
9295.000000	-49.06	-13.00	36.06	150.0	V	104.0	-84.1
12050.000000	-43.90	-13.00	30.90	150.0	V	137.0	-77.6
16392.500000	-34.02	-13.00	21.02	150.0	V	179.0	-70.7

Appendix B.3: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name: Cellular Connected Controller
Order Number: 168575881(P02100516)
Model: SCS 800
Test Mode: Wireless link
Test Voltage: AC 120V/60Hz
Test Standard: FCC Part 15
Test By:/Review By: Aric Wang/Murphy Chen
Tem./Hum./Pressure: 24.3°C/51.0%/101kPa
Remark: SR 3



Critical Freqs

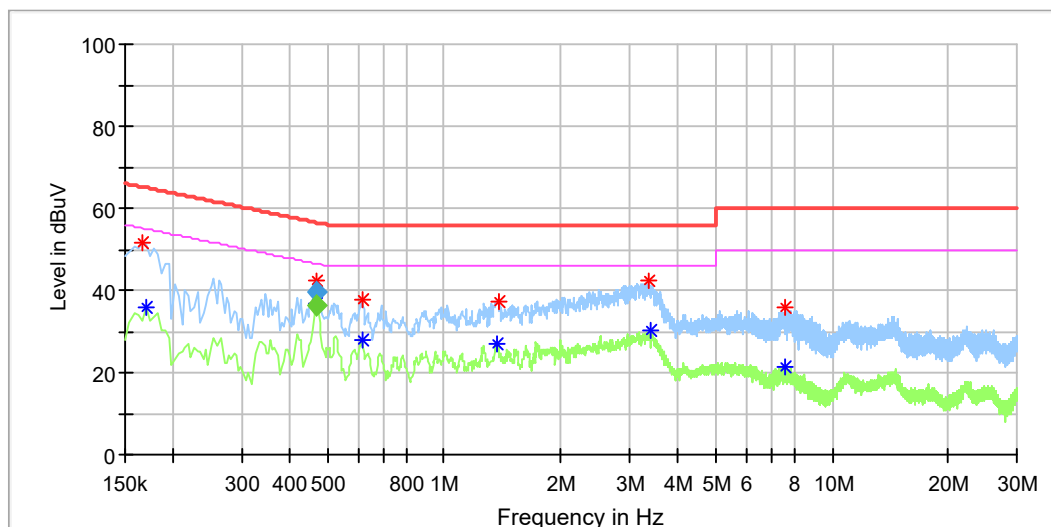
Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.162	52.6	---	65.16	12.52	L1	9.6
0.166	---	37.5	54.96	17.48	L1	9.6
0.474	---	30.4	46.44	16.02	L1	9.5
0.474	36.4	---	56.44	20.02	L1	9.5
1.418	---	22.4	46.00	23.59	L1	9.6
1.442	33.0	---	56.00	22.99	L1	9.6
3.302	---	25.3	46.00	20.70	L1	9.6
3.498	37.1	---	56.00	18.93	L1	9.7
11.074	31.7	---	60.00	28.27	L1	9.9
11.166	---	18.7	50.00	31.31	L1	9.9
14.682	---	18.7	50.00	31.29	L1	9.5
14.798	31.5	---	60.00	28.52	L1	9.5

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.162	49.2	---	65.39	16.21	1000.0	9.0	L1	9.6
0.166	---	35.1	55.18	20.08	1000.0	9.0	L1	9.6

EUT Information

EUT Name: Cellular Connected Controller
Order Number: 168575881(P02100516)
Model: SCS 800
Test Mode: Wireless link
Test Voltage: AC 120V/60Hz
Test Standard: FCC Part 15
Test By./Review By: Aric Wang/Murphy Chen
Tem./Hum./Pressure: 24.3°C/51.0%/101kPa
Remark: SR 3



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.166	51.5	---	65.16	13.67	N	9.8
0.170	---	36.0	54.96	18.96	N	9.8
0.470	---	36.8	46.51	9.74	N	9.9
0.470	42.2	---	56.59	14.40	N	9.9
0.614	37.5	---	56.00	18.47	N	9.9
0.614	---	28.1	46.00	17.94	N	9.9
1.370	---	27.2	46.00	18.83	N	9.9
1.390	37.4	---	56.00	18.59	N	9.9
3.382	42.4	---	56.00	13.57	N	9.7
3.402	---	30.2	46.00	15.79	N	9.7
7.526	36.0	---	60.00	24.03	N	9.8
7.526	---	21.3	50.00	28.74	N	9.8

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.470	---	36.3	46.52	10.21	1000.0	9.0	N	9.9
0.470	39.3	---	56.52	17.19	1000.0	9.0	N	9.9