

Appendix B: Test Results of General 2.4GHz

APPENDIX B: TEST RESULTS OF GENERAL 2.4GHZ.....	1
APPENDIX B.1: FUNDAMENTAL & HARMONICS RADIATED EMISSION	2
30MHz - 1GHz.....	2
1GHz - 18GHz.....	6
APPENDIX B.2: TEST RESULTS OF 20dB BANDWIDTH	12
APPENDIX B.3: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS	14

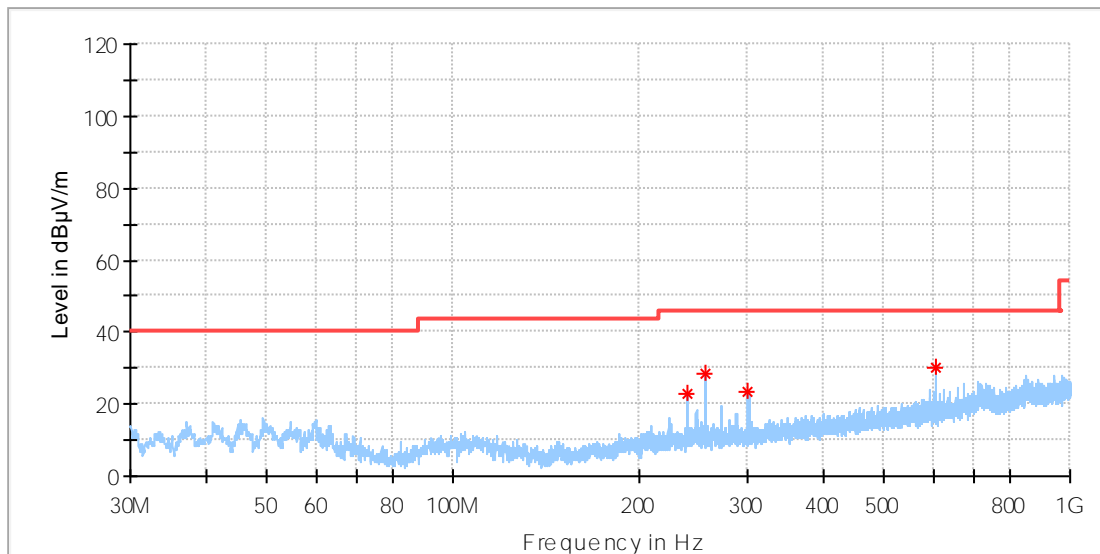
Appendix B.1: Fundamental & Harmonics Radiated Emission

30MHz - 1GHz

Test Report

EUT Information

EUT Name:	Remote Control
Model:	OMC01AIQI
Test Mode:	TX_Low CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

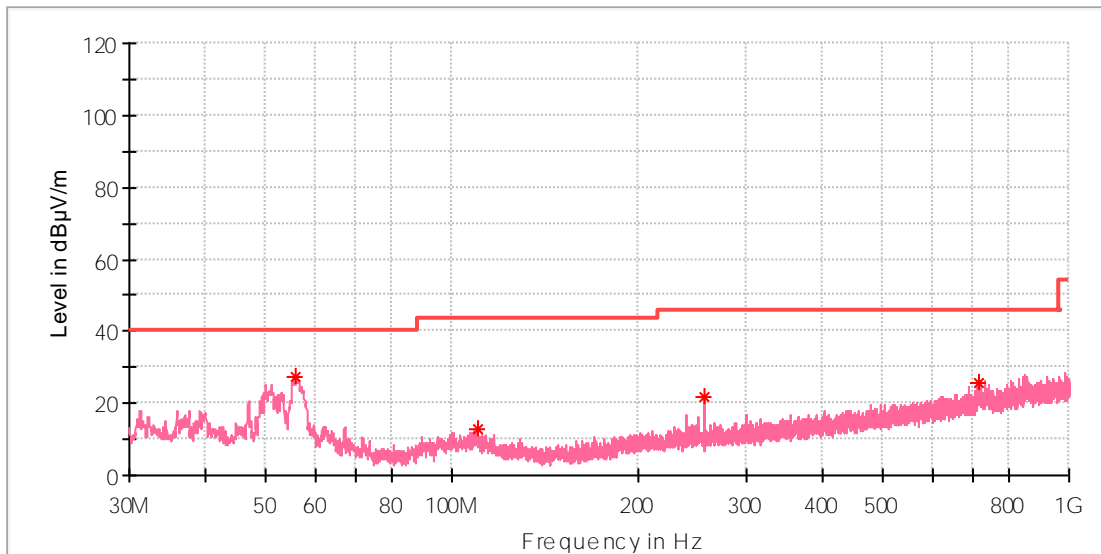
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
240.005000	22.80	--	46.00	23.20	100.0	H	166.0	-18.0
256.010000	28.40	--	46.00	17.60	100.0	H	356.0	-17.6
300.290500	23.33	--	46.00	22.67	100.0	H	149.0	-16.6
608.023000	30.25	--	46.00	15.75	100.0	H	4.0	-10.1

Produkte
 Products

Test Report

EUT Information

EUT Name:	Remote Control
Model:	OMC01AIQI
Test Mode:	TX_Low CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

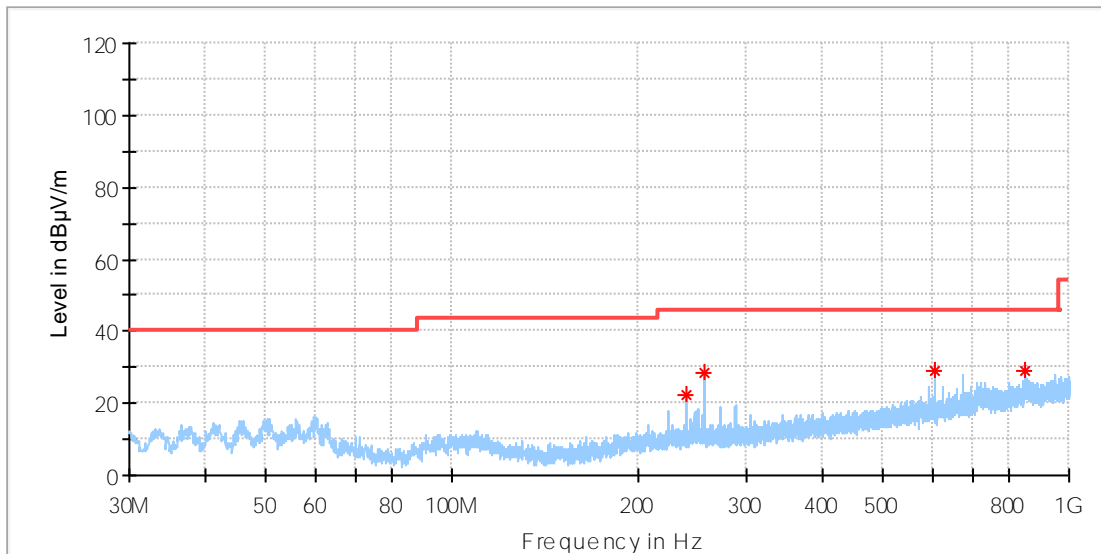
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
55.947500	27.43	--	40.00	12.57	100.0	V	233.0	-18.8
110.025000	13.11	--	43.50	30.39	100.0	V	94.0	-19.4
256.010000	21.66	--	46.00	24.34	100.0	V	274.0	-17.6
716.760000	25.92	--	46.00	20.08	100.0	V	292.0	-8.1

Produkte
 Products

Test Report

EUT Information

EUT Name:	Remote Control
Model:	OMC01AIQI
Test Mode:	TX_High CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

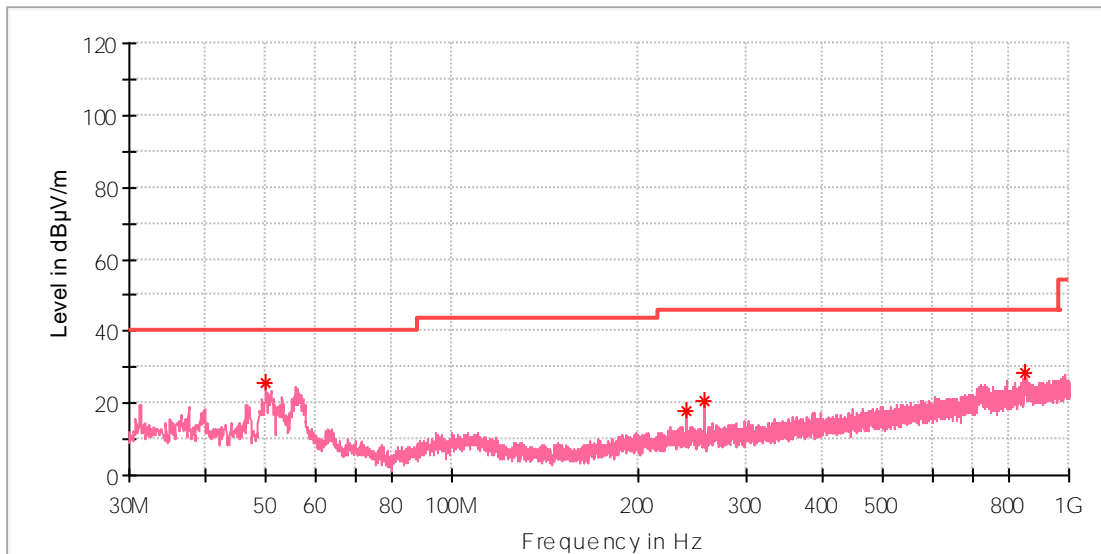
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
240.005000	22.50	--	46.00	23.50	100.0	H	3.0	-18.0
256.010000	28.52	--	46.00	17.48	100.0	H	178.0	-17.6
608.023000	29.11	--	46.00	16.89	100.0	H	186.0	-10.1
848.243500	29.15	--	46.00	16.85	100.0	H	219.0	-5.9

Produkte
 Products

Test Report

EUT Information

EUT Name:	Remote Control
Model:	OMC01AIQI
Test Mode:	TX_High CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
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)
49.982000	25.94	--	40.00	14.06	100.0	V	69.0	-18.6
240.005000	17.68	--	46.00	28.32	100.0	V	280.0	-18.0
256.010000	20.70	--	46.00	25.30	100.0	V	264.0	-17.6
846.061000	28.44	--	46.00	17.57	100.0	V	94.0	-6.0

Produkte

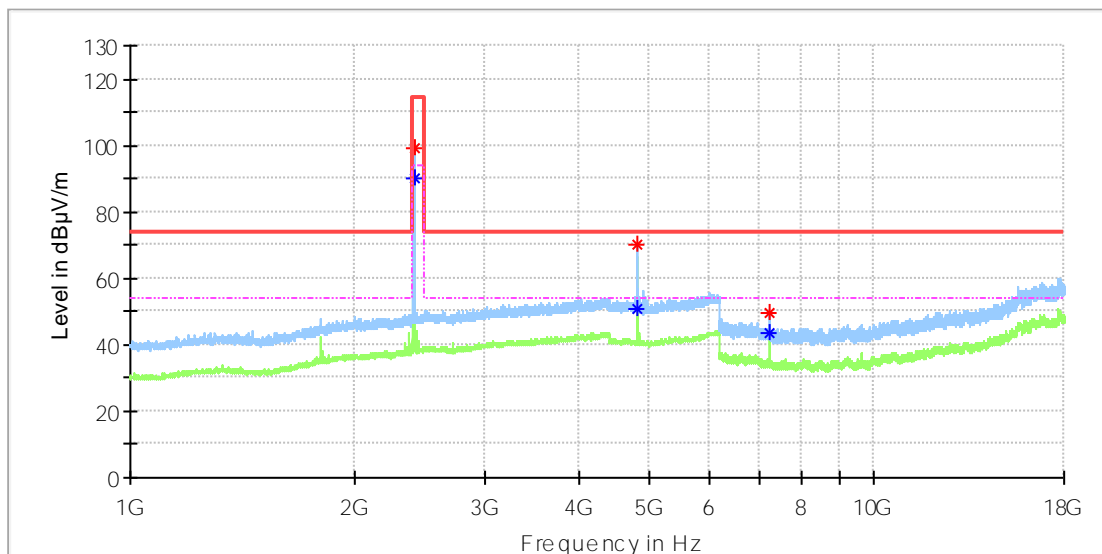
Products

1GHz - 18GHz

Test Report

EUT Information

EUT Name:	Remote Control
Model:	OMC01AIQI
Test Mode:	TX_Low CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

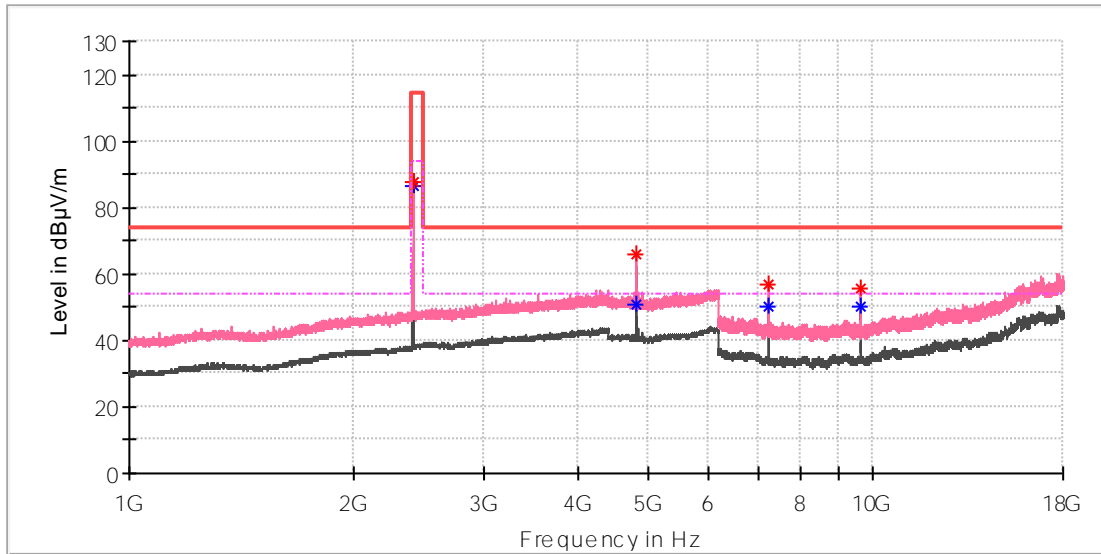
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2407.500000	98.86	--	114.00	15.14	100.0	H	56.0	7.1
2408.000000	--	90.13	94.00	3.87	100.0	H	56.0	7.1
4807.000000	--	50.95	54.00	3.05	100.0	H	46.0	13.6
4813.500000	69.97	--	74.00	4.03	100.0	H	64.0	13.6
7220.700000	--	43.78	54.00	10.22	100.0	H	224.0	8.7
7222.175000	49.85	--	74.00	24.15	100.0	H	224.0	8.7

Produkte
 Products

Test Report

EUT Information

EUT Name:	Remote Control
Model:	OMC01AIQI
Test Mode:	TX_Low CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



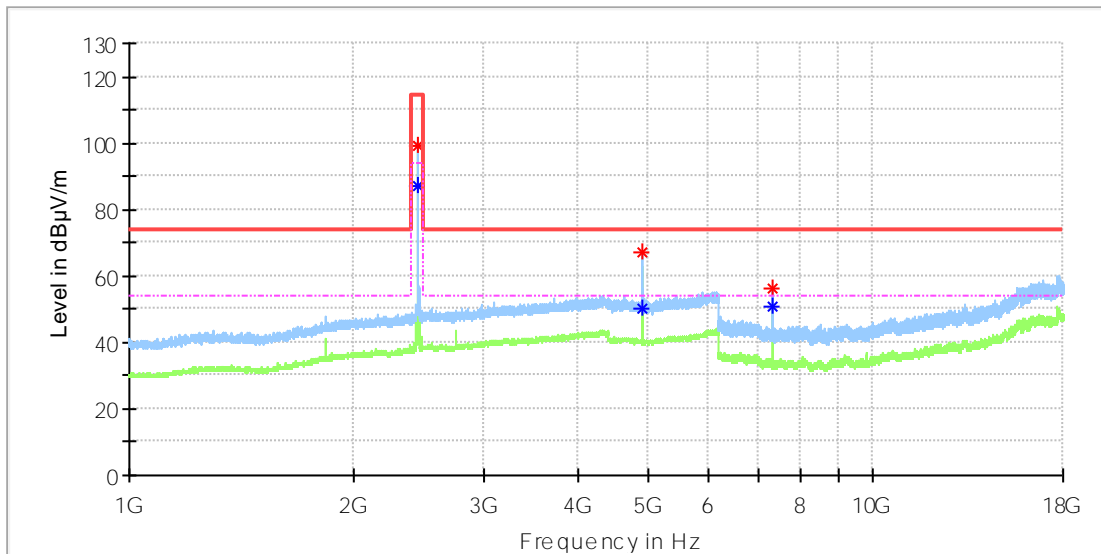
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2407.000000	—	86.65	94.00	7.35	100.0	V	219.0	7.0
2407.500000	87.70	—	114.00	26.30	100.0	V	219.0	7.1
4812.000000	—	50.80	54.00	3.20	100.0	V	86.0	13.6
4814.500000	65.90	—	74.00	8.10	100.0	V	96.0	13.6
7221.191667	—	50.11	54.00	3.89	100.0	V	89.0	8.7
7222.175000	56.90	—	74.00	17.10	100.0	V	89.0	8.7
9627.408333	55.40	—	74.00	18.60	100.0	V	0.0	10.4
9629.866667	—	49.95	54.00	4.05	100.0	V	0.0	10.4

Test Report

EUT Information

EUT Name:	Remote Control
Model:	OMC01AIQI
Test Mode:	TX_Mid CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

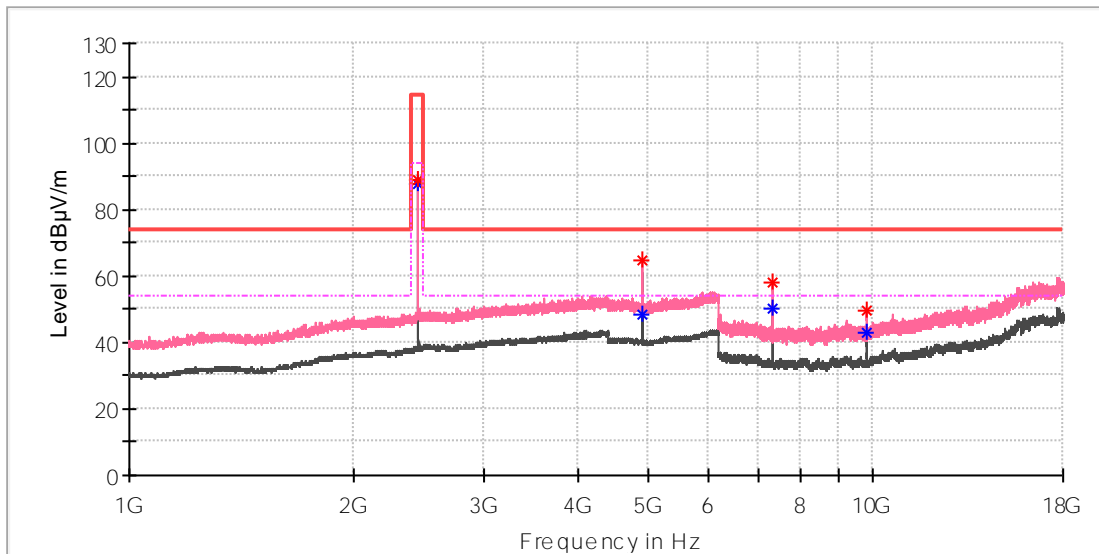
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2444.000000	--	86.92	94.00	7.08	100.0	H	60.0	7.4
2445.000000	99.05	--	114.00	14.95	100.0	H	41.0	7.4
4888.000000	--	50.28	54.00	3.72	100.0	H	251.0	13.3
4890.500000	67.01	--	74.00	6.99	100.0	H	223.0	13.3
7334.275000	56.26	--	74.00	17.74	100.0	H	294.0	8.1
7334.766667	--	51.07	54.00	2.93	100.0	H	294.0	8.1

Produkte
 Products

Test Report

EUT Information

EUT Name:	Remote Control
Model:	OMC01AIQI
Test Mode:	TX_Mid CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



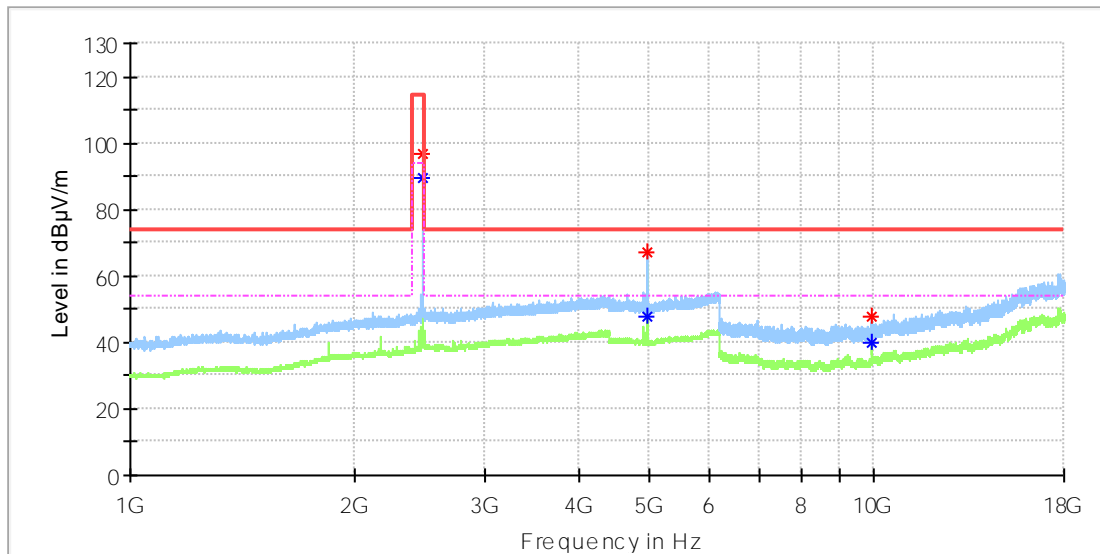
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2445.000000	--	87.92	94.00	6.08	100.0	V	235.0	7.4
2445.500000	89.02	--	114.00	24.98	100.0	V	235.0	7.4
4888.000000	--	48.28	54.00	5.72	100.0	V	76.0	13.3
4890.000000	64.45	--	74.00	9.55	100.0	V	179.0	13.3
7334.275000	57.81	--	74.00	16.19	100.0	V	90.0	8.1
7334.766667	--	50.03	54.00	3.97	100.0	V	111.0	8.1
9779.825000	--	42.83	54.00	11.17	100.0	V	265.0	10.4
9781.300000	49.81	--	74.00	24.19	100.0	V	265.0	10.4

Test Report

EUT Information

EUT Name:	Remote Control
Model:	OMC01AIQI
Test Mode:	TX_High CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



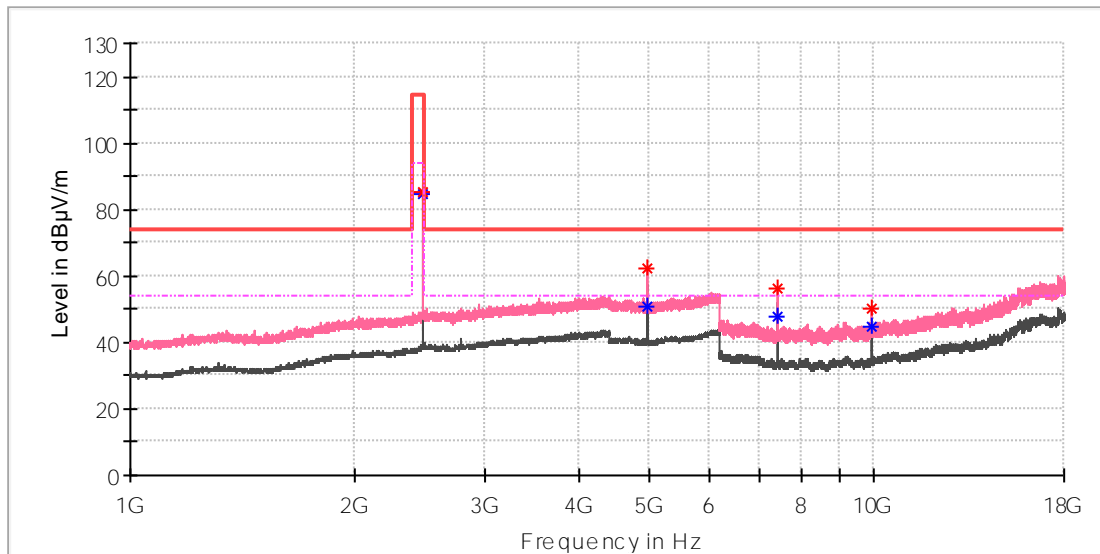
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2475.500000	96.61	--	114.00	17.39	100.0	H	24.0	7.4
2476.000000	--	89.46	94.00	4.54	100.0	H	24.0	7.4
4949.500000	67.33	--	74.00	6.67	100.0	H	49.0	13.2
4952.000000	--	47.90	54.00	6.10	100.0	H	49.0	13.2
9899.300000	--	39.88	54.00	14.12	100.0	H	46.0	10.8
9899.300000	47.50	--	74.00	26.50	100.0	H	46.0	10.8

Test Report

EUT Information

EUT Name:	Remote Control
Model:	OMC01AIQI
Test Mode:	TX_High CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
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)
2475.000000	--	84.42	94.00	9.58	100.0	V	31.0	7.4
2475.500000	85.41	--	114.00	28.59	100.0	V	31.0	7.4
4949.000000	--	50.80	54.00	3.20	100.0	V	353.0	13.2
4951.000000	62.26	--	74.00	11.74	100.0	V	101.0	13.2
7426.216667	56.52	--	74.00	17.48	100.0	V	136.0	8.4
7426.708333	--	47.78	54.00	6.22	100.0	V	136.0	8.4
9901.758333	50.02	--	74.00	23.98	100.0	V	94.0	10.8
9901.758333	--	44.86	54.00	9.14	100.0	V	94.0	10.8

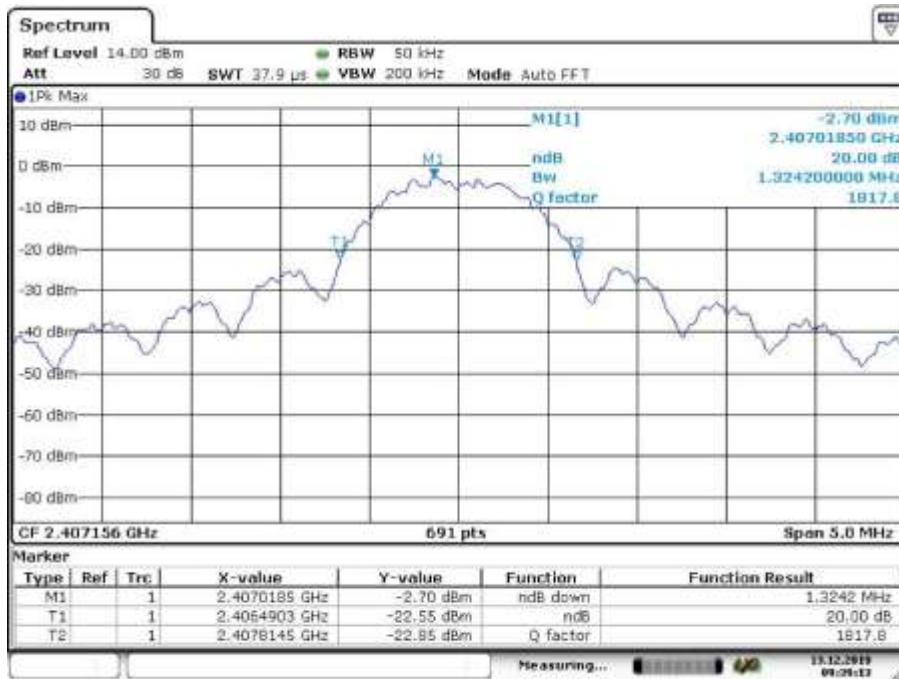
Note: Testing was carried out within frequency range 9 kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz -26.5GHz were observed to greater than 20dB margin to the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

Appendix B.2: Test Results of 20dB Bandwidth

Test Result of 20dB Bandwidth, General 2.4GHz

Test Mode Test Channel (MHz)	20dB Bandwidth (kHz)	Limit (MHz)
2407.156	1324.20	Within the assigned frequency band 2400~2483.5MHz
2445.156	1338.60	
2475.156	1353.10	
Maximum Measured Value	1353.10	

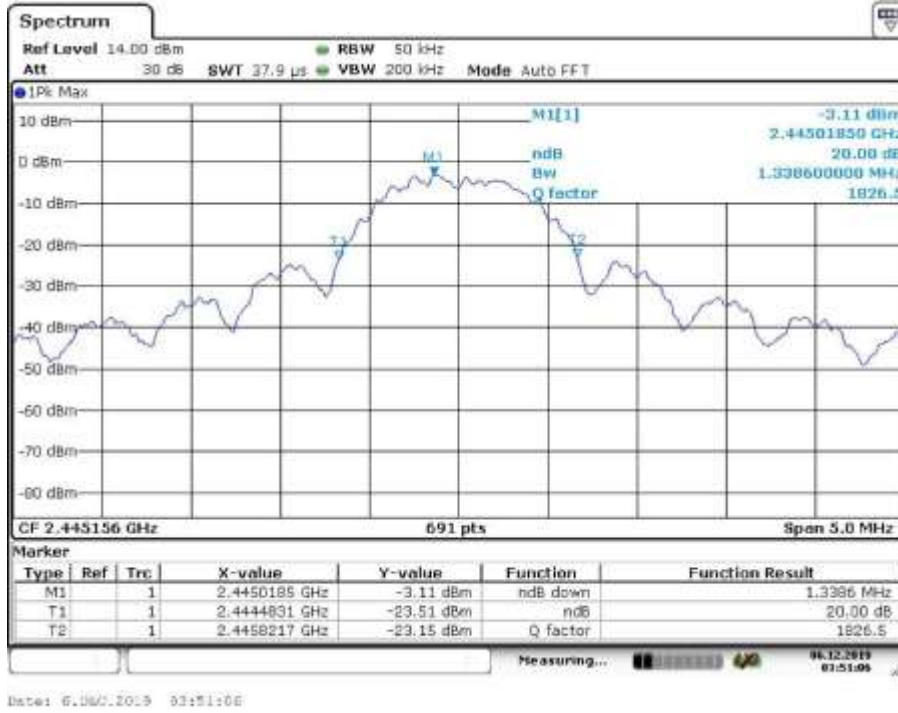
Low Channel



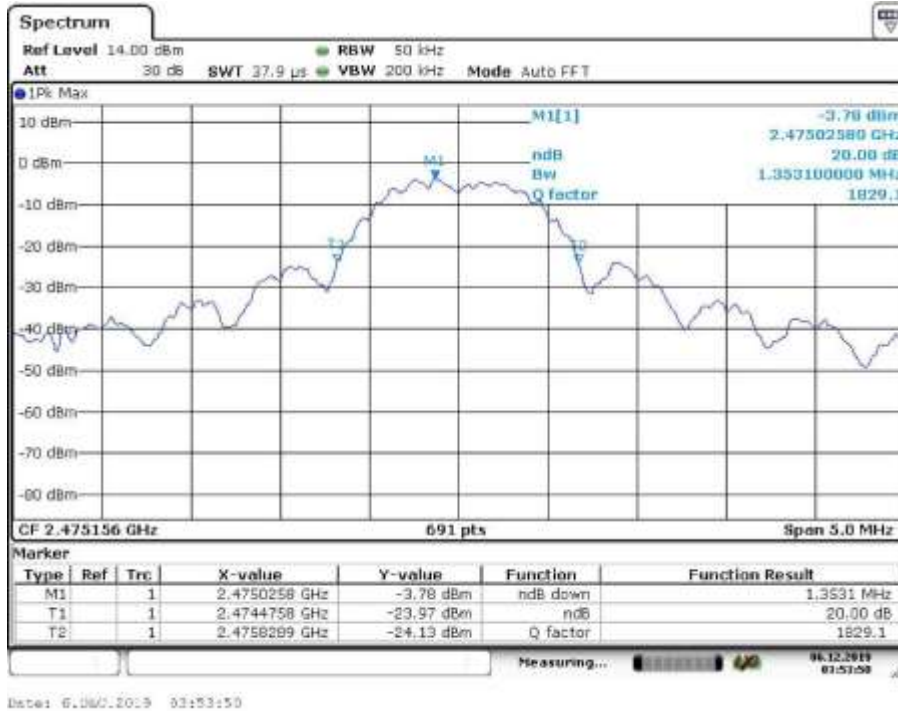
Date: 11.12.2019 09:39:14

Produkte
 Products

Middle Channel



High Channel

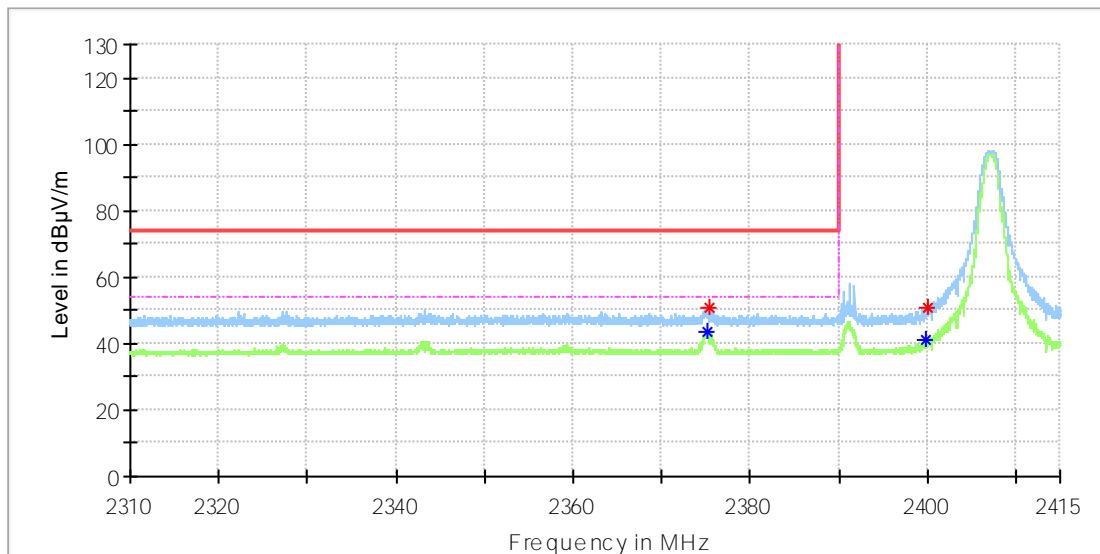


Appendix B.3: Test Results of Radiated Emissions in Restricted Bands

Test Report

EUT Information

EUT Name:	Remote Control
Model:	OMC01AIQI
Test Mode:	TX_Low CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



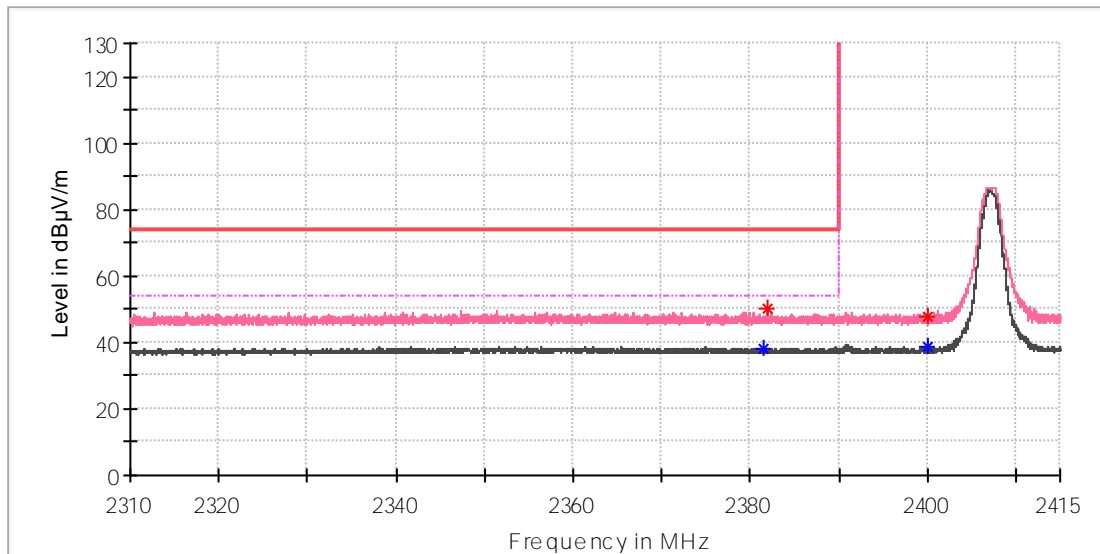
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2375.084559	—	43.82	54.00	10.18	100.0	H	48.0	6.9
2375.300735	50.65	—	74.00	23.35	100.0	H	48.0	6.9
2399.975735	50.73	—	78.86	28.13	100.0	H	33.0	7.0

Test Report

EUT Information

EUT Name:	Remote Control
Model:	OMC01AIQI
Test Mode:	TX_Low CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



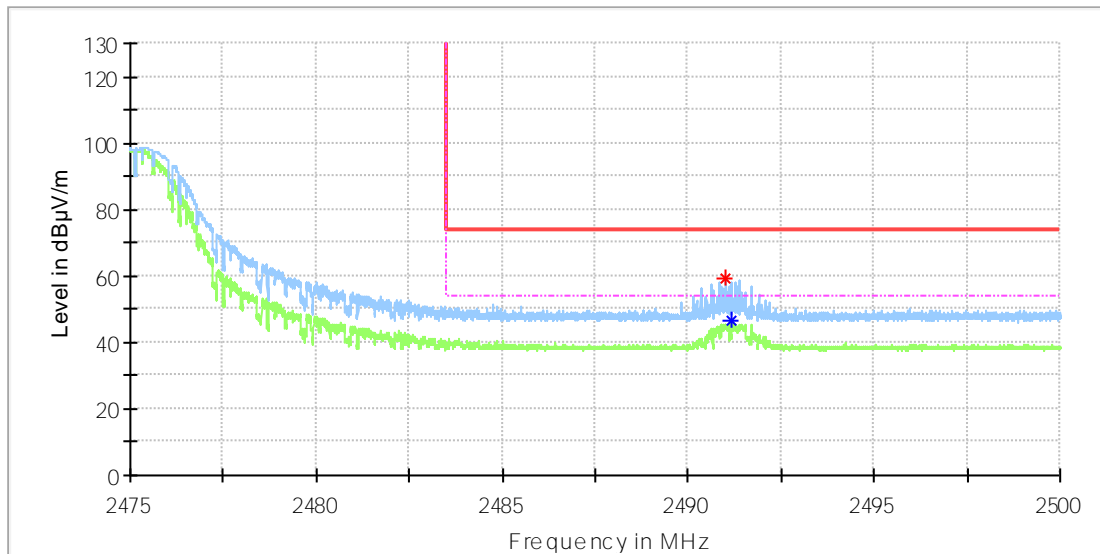
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2381.616177	—	38.29	54.00	15.71	100.0	V	50.0	7.0
2381.940441	50.12	—	74.00	23.88	100.0	V	22.0	7.0
2400.083824	47.96	—	67.70	19.74	100.0	V	113.0	7.0

Test Report

EUT Information

EUT Name:	Remote Control
Model:	OMC01AIQI
Test Mode:	TX_High CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



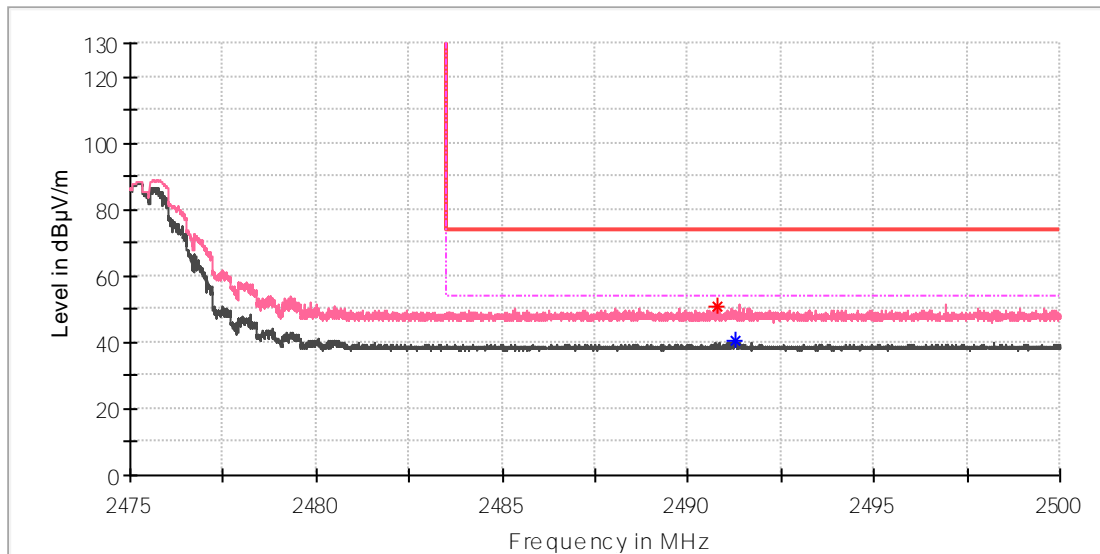
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2491.025735	59.17	---	74.00	14.83	100.0	H	73.0	7.4
2491.172794	---	46.74	54.00	7.26	100.0	H	80.0	7.4

Test Report

EUT Information

EUT Name:	Remote Control
Model:	OMC01AIQI
Test Mode:	TX_High CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
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)
2490.783088	50.59	---	74.00	23.41	100.0	V	79.0	7.4
2491.246324	---	40.48	54.00	13.52	100.0	V	211.0	7.4