

Appendix 1

Test Results

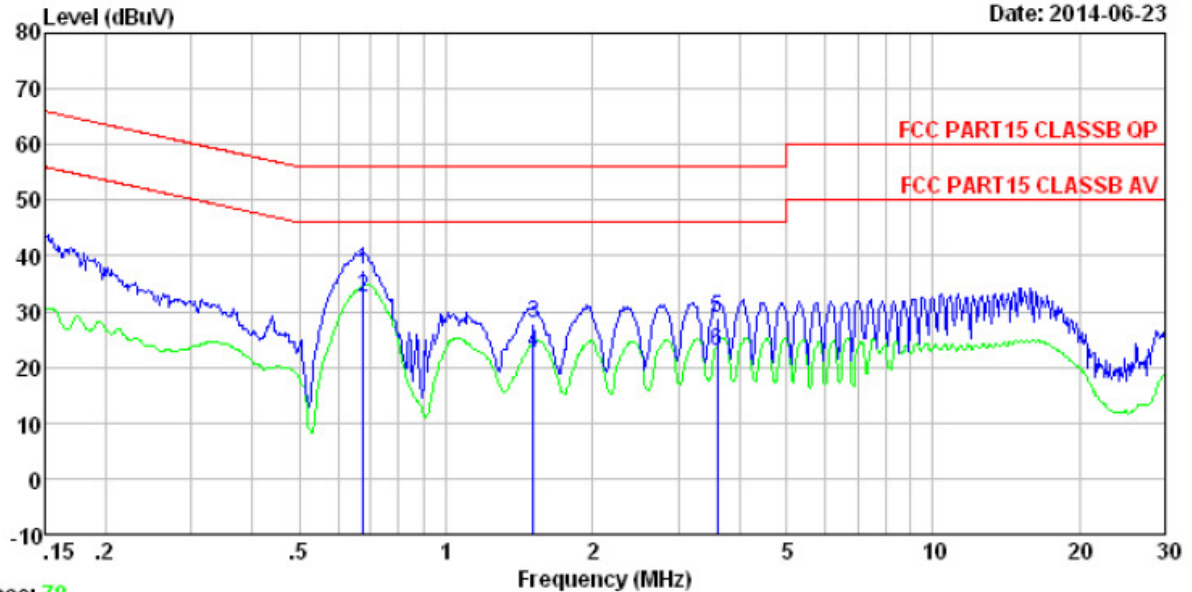
Conducted Emission

TX frequency: 908.42MHz
AC mains Neutral

Data: 77

File: \\Emcce\\test data-ce\\GTS project\\2014 GTS project\\T\\TUVHK\\conducted.EM6 (84)

Date: 2014-06-23



Trace: 78

Condition : FCC PART15 CLASSB QP LISN-2013 NEUTRAL
Appliance : 908MHz Transceiver
Model No. : ZXT-120
TUV Order No. : 144019485
Sample No. : A000071136-001
Test Mode : TX mode

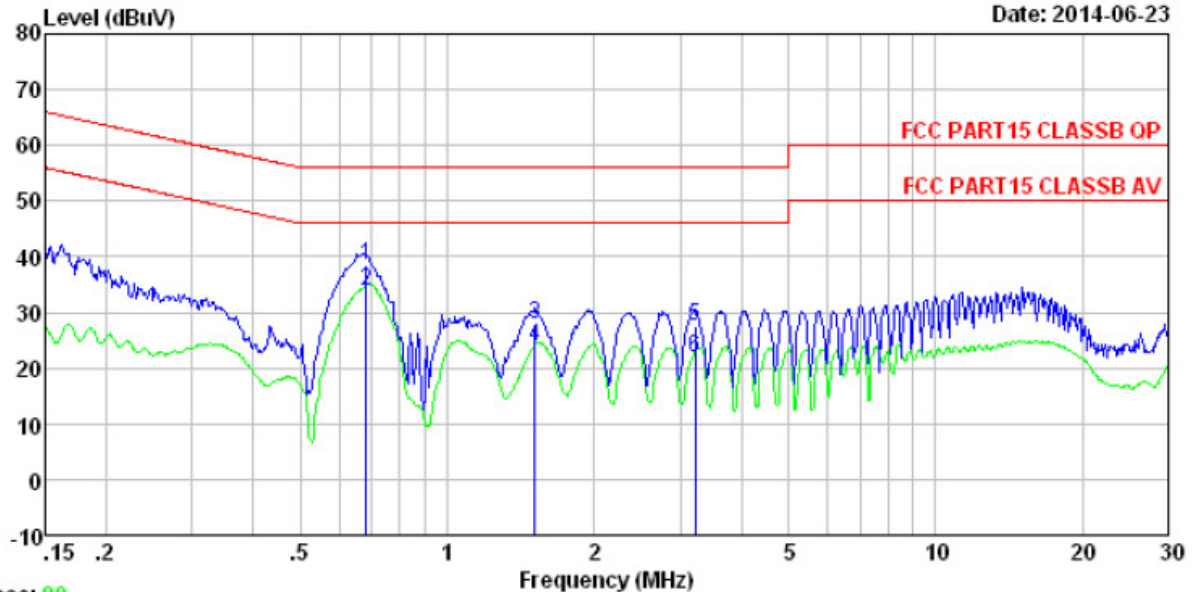
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.675	37.25	0.07	0.13	37.45	56.00	-18.55	QP
2	0.675	32.19	0.07	0.13	32.39	46.00	-13.61	Average
3	1.511	27.69	0.09	0.14	27.92	56.00	-28.08	QP
4	1.511	22.28	0.09	0.14	22.51	46.00	-23.49	Average
5	3.603	28.54	0.14	0.15	28.83	56.00	-27.17	QP
6	3.603	22.73	0.14	0.15	23.02	46.00	-22.98	Average

TX frequency: 908.42MHz
AC Mains Live

Data: 79

File: \\Emcce\test data-ce\GTS porject\2014 GTS project\TUVHK\conducted.EM6 (84)

Date: 2014-06-23



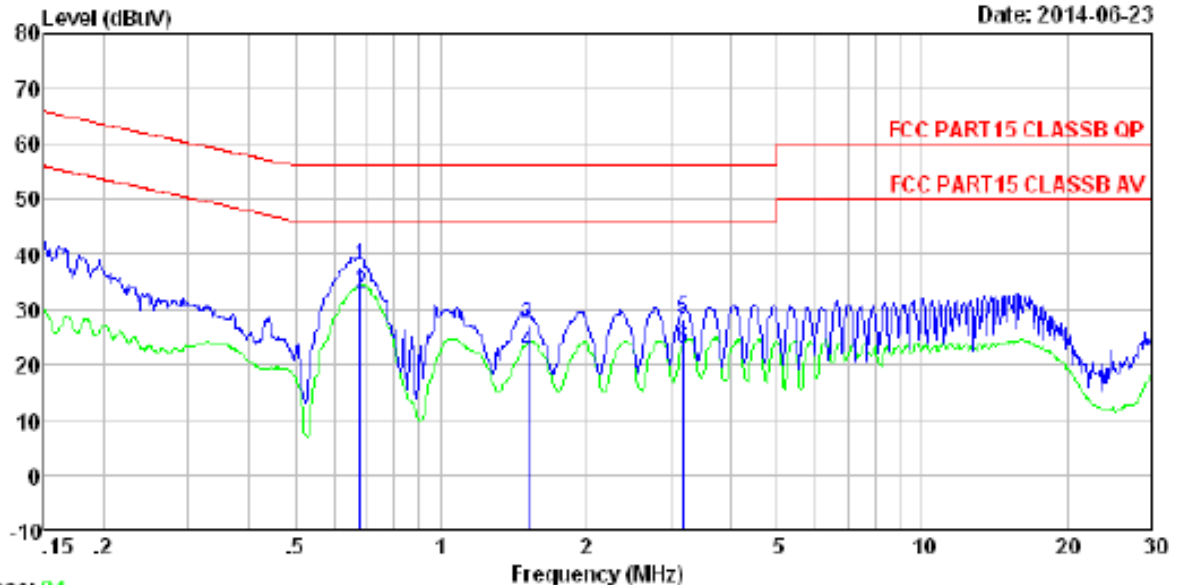
Trace: 80

Condition : FCC PART15 CLASSB QP LISN-2013 LINE
Appliance : 908MHz Transceiver
Model No. : ZXT-120
TUV Order No. : 144019485
Sample No. : A000071136-001
Test Mode : TX mode

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.683	38.36	0.14	0.13	38.63	56.00	-17.37	QP
2	0.683	33.69	0.14	0.13	33.96	46.00	-12.04	Average
3	1.511	27.45	0.12	0.14	27.71	56.00	-28.29	QP
4	1.511	23.50	0.12	0.14	23.76	46.00	-22.24	Average
5	3.224	27.09	0.17	0.15	27.41	56.00	-28.59	QP
6	3.224	21.60	0.17	0.15	21.92	46.00	-24.08	Average

RX Mode
AC Mains Neutral

Data: 83 File: \\Emcc\test data-ce\GTS project\2014 GTS project\TUV\HK\conducted\EM6 (84) Date: 2014-06-23

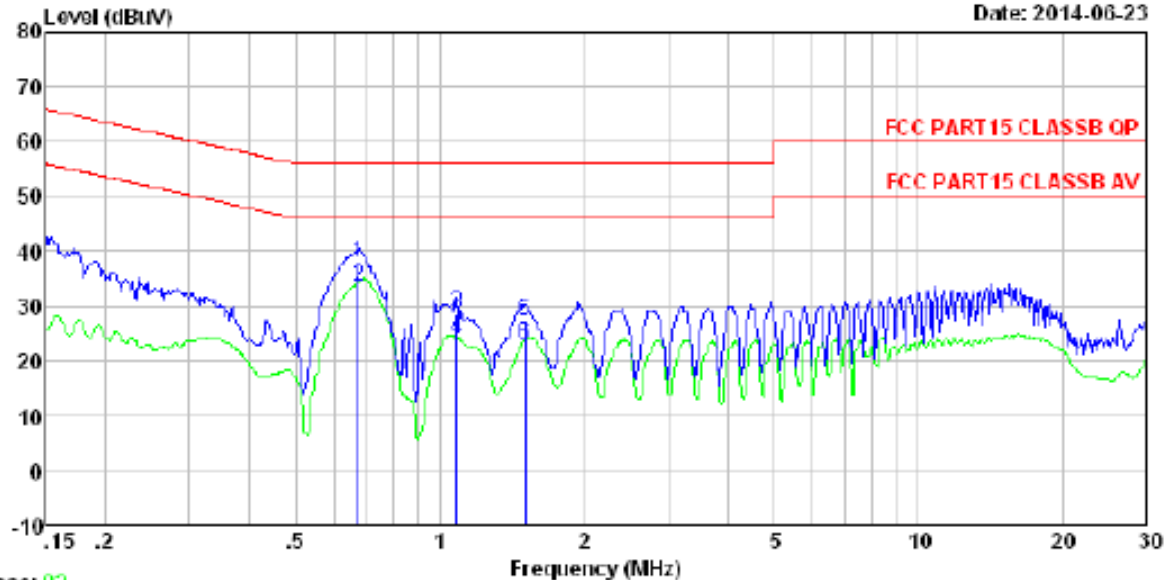


Condition : FCC PART15 CLASSB QP LISN-2013 NEUTRAL
Appliance : 908MHz Transceiver
Model No. : ZXT-120
TUV Order No. : 144019485
Sample No. : A000071136-002
Test Mode : RX mode

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.683	37.53	0.07	0.13	37.73	56.00	-18.27	QP
2	0.683	32.57	0.07	0.13	32.77	46.00	-13.23	Average
3	1.517	26.91	0.09	0.14	27.14	56.00	-28.86	QP
4	1.517	22.10	0.09	0.14	22.33	46.00	-23.67	Average
5	3.190	28.07	0.12	0.15	28.34	56.00	-27.66	QP
6	3.190	22.70	0.12	0.15	22.97	46.00	-23.03	Average

RX Mode
AC Mains Live

Data: 81 File: \\Emccotest\data-ce\GTS project\2014 GTS project\TUVHK\conducted_EM6 (84) Date: 2014.06.23



Trace: 02
Condition : FCC PART15 CLASSB 0P LISN-2013 LINE
Appliance : 908MHz Transceiver
Model No. : ZXT-120
TUV Order No. : 144019485
Sample No. : A000071136-002
Test Mode : RX mode

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.675	37.44	0.14	0.13	37.71	56.00	-18.29	QP
2	0.675	33.25	0.14	0.13	33.52	46.00	-12.48	Average
3	1.082	28.24	0.13	0.13	28.50	56.00	-27.50	QP
4	1.082	23.61	0.13	0.13	23.87	46.00	-22.13	Average
5	1.503	26.98	0.12	0.14	27.24	56.00	-28.76	QP
6	1.503	22.67	0.12	0.14	22.93	46.00	-23.07	Average

20dB Bandwidth

Tx frequency: 908.42MHz

**MARKER 3**

908.496 MHz

Ref -30.6 dBm

* Att 0 dB

* RBW 10 kHz

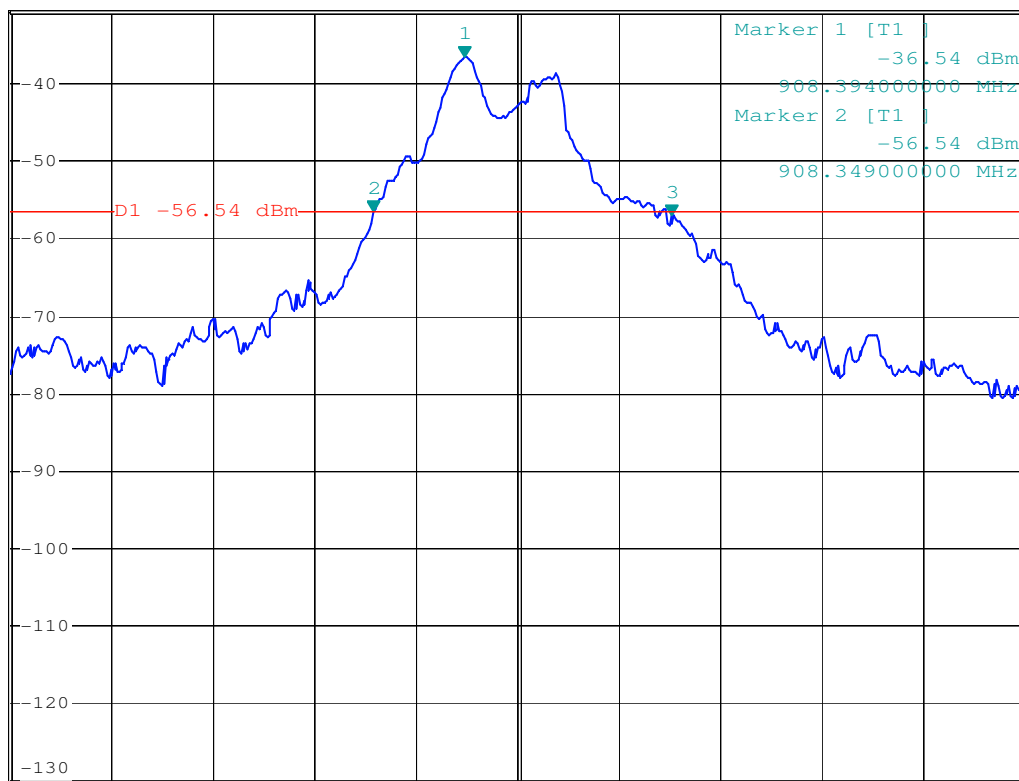
VBW 30 kHz

SWT 5 ms

Marker 3 [T1]

-57.11 dBm

908.496000000 MHz

**1 PK
VIEW**

Center 908.42 MHz

50 kHz/

Span 500 kHz

Date: 25.JUN.2014 15:19:48

Radiated Emission

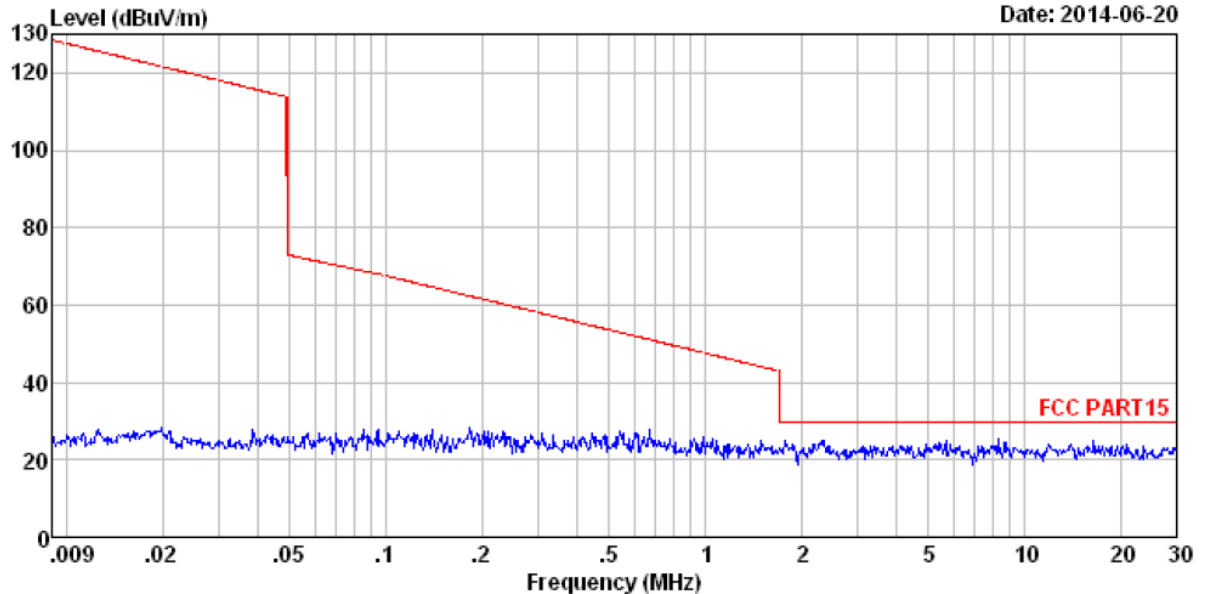
Tx frequency: 908.42MHz

9k – 30MHz

Data: 9

File: \\Gts023p\2014 GTS Project\T\TUV HK\1022RF\Test data.EM6 (9)

Date: 2014-06-20



Site : 3m chamber
Condition : FCC PART15 3m LOOP ANTENNA
EUT : 908MHz Transceiver
Model No. : ZTX-120
Sample No. : A000071136-001
TUV Order No: 144019485
Test Mode : TX on

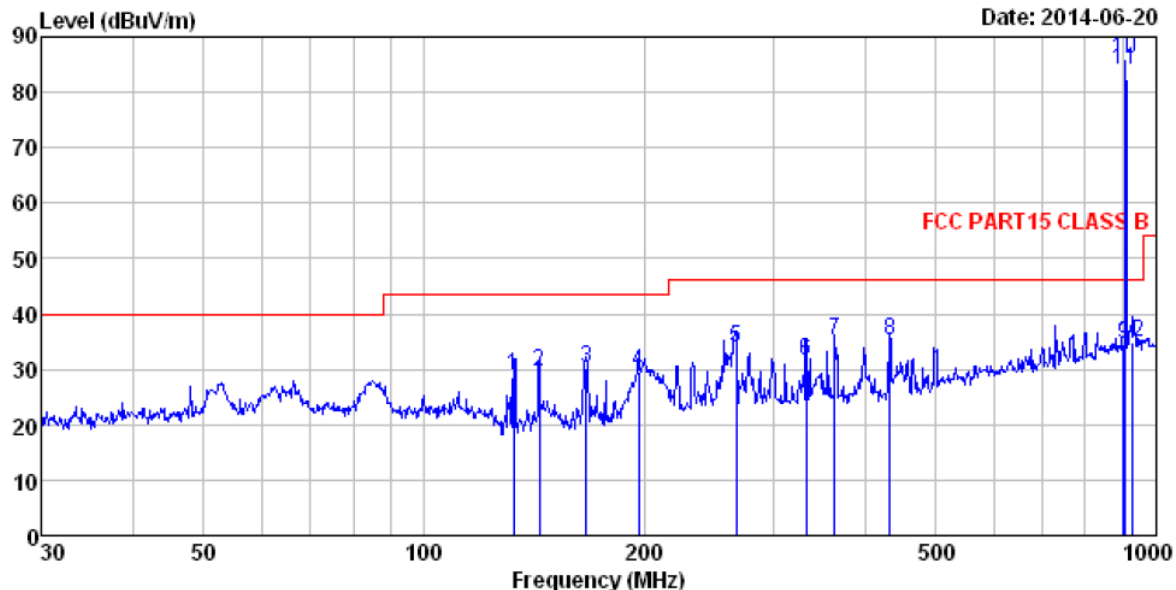
Tx frequency: 908.42MHz

30MHz – 1000MHz (Horizontal)

Data: 3

File: \\Gts023p\2014 GTS Project\TUV HK\1022RF\Test data.EM6 (9)

Date: 2014-06-20



Site : 3m chamber
 Condition : FCC PART15 CLASS B 3m VULB9163-2013M HORIZONTAL
 EUT : 908MHz Transceiver
 Model No. : ZXT-120
 Sample No. : A000071136-001
 TUV Order No: 144019485
 Test Mode : TX mode

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	-----MHz-----	-----dBuV-----	-----dB/m-----	-----dB-----	-----dB-----	dBuV/m	dBuV/m	-----dB-----	-----
1	132.685	48.77	10.72	1.45	31.91	29.03	43.50	-14.47	QP
2	143.830	49.72	10.22	1.53	31.96	29.51	43.50	-13.99	QP
3	166.651	49.67	10.87	1.67	32.04	30.17	43.50	-13.33	QP
4	196.510	47.26	12.57	1.82	32.13	29.52	43.50	-13.98	QP
5	266.609	49.46	14.26	2.21	32.17	33.76	46.00	-12.24	QP
6	332.519	45.14	15.86	2.53	32.08	31.45	46.00	-14.55	QP
7	364.260	47.95	16.46	2.69	31.99	35.11	46.00	-10.89	QP
8	432.546	46.36	17.53	3.01	31.78	35.12	46.00	-10.88	QP
9	902.000	37.80	23.12	4.87	31.18	34.61	46.00	-11.39	QP
10 *	908.400	89.14	23.15	4.88	31.19	85.98	46.00	39.98	Peak
11 *	908.400	87.13	23.15	4.88	31.19	83.97	46.00	37.97	QP
12	928.000	37.72	23.28	4.96	31.20	34.76	46.00	-11.24	QP

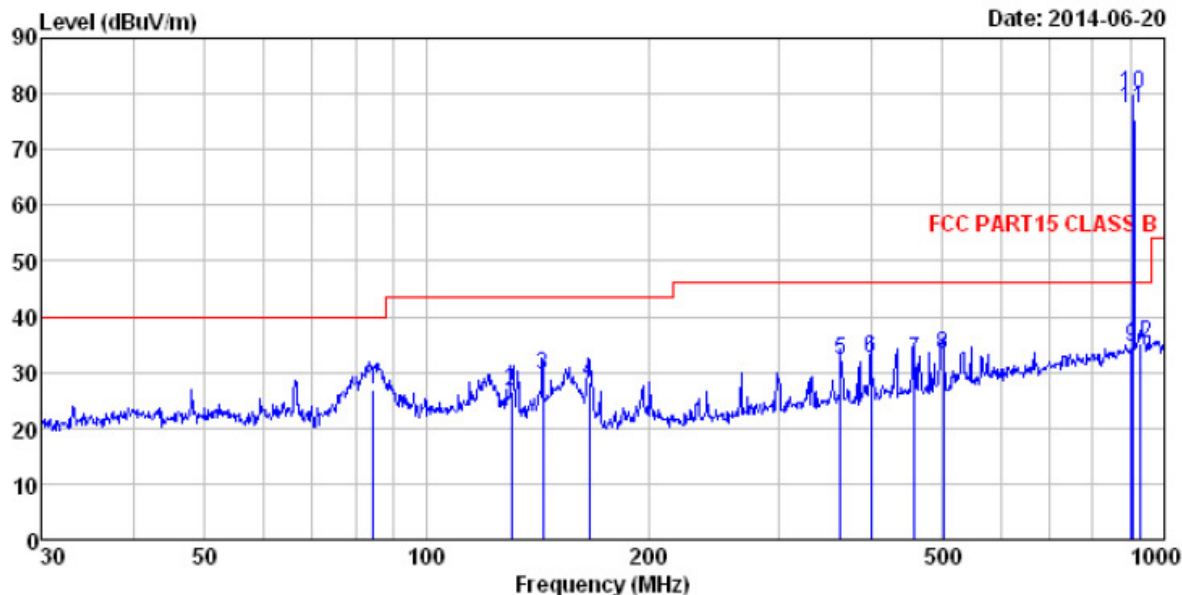
Tx frequency: 908.42MHz

30MHz – 1000MHz (Vertical)

Data: 4

File: \\Gts023p\2014 GTS Project\TUV HK\1022RF\Test data.EM6 (9)

Date: 2014-06-20



Site : 3m chamber
 Condition : FCC PART15 CLASS B 3m VULB9163-2013M VERTICAL
 EUT : 908MHz Transceiver
 Model No. : ZXT-120
 Sample No. : A000071136-001
 TUV Order No: 144019485
 Test Mode : TX mode

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Line	Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	84.702	45.42	12.16	1.07	31.74	26.91	40.00 -13.09 QP
2	130.379	45.96	10.93	1.44	31.90	26.43	43.50 -17.07 QP
3	143.830	49.82	10.22	1.53	31.96	29.61	43.50 -13.89 QP
4	166.068	47.79	10.85	1.66	32.04	28.26	43.50 -15.24 QP
5	364.260	45.19	16.46	2.69	31.99	32.35	46.00 -13.65 QP
6	400.432	44.41	17.10	2.85	31.89	32.47	46.00 -13.53 QP
7	459.114	43.06	17.59	3.13	31.69	32.09	46.00 -13.91 QP
8	501.179	42.97	18.63	3.31	31.56	33.35	46.00 -12.65 QP
9	902.000	37.70	23.12	4.87	31.18	34.51	46.00 -11.49 QP
10 *	908.400	83.15	23.15	4.88	31.19	79.99	46.00 33.99 Peak
11 *	908.400	80.54	23.15	4.88	31.19	77.38	46.00 31.38 QP
12	928.000	38.14	23.28	4.96	31.20	35.18	46.00 -10.82 QP

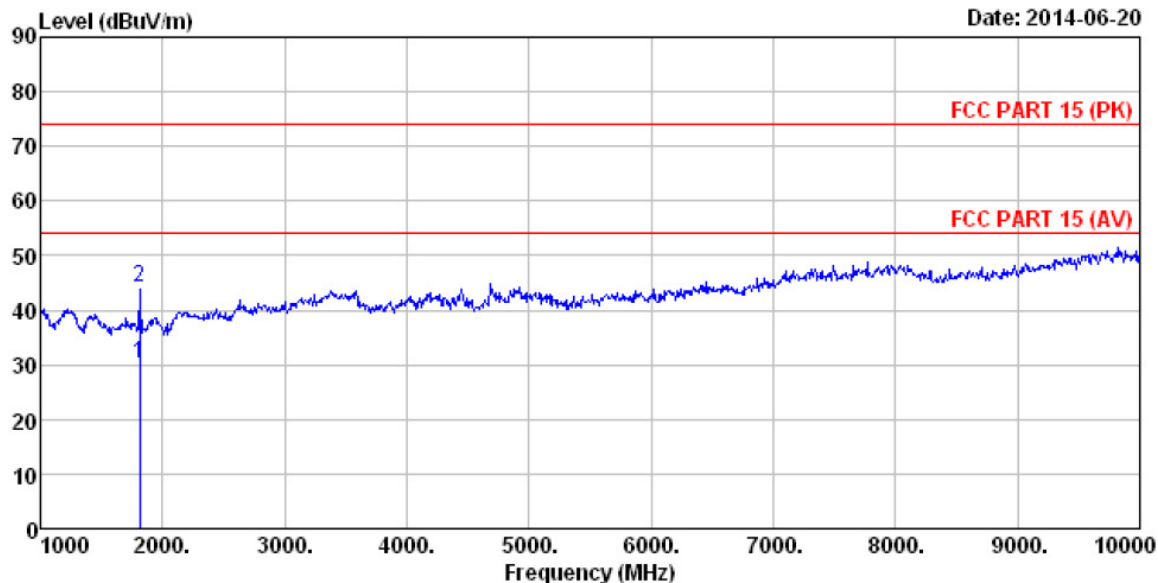
Tx frequency: 908.42MHz

1GHz – 10GHz (Horizontal)

Data: 5

File: \\Gts023p\2014 GTS Project\T\TUV HK\1022RF\Test data.EM6 (9)

Date: 2014-06-20



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120D ANT(>1GHZ) HORIZONTAL
 EUT : 908MHz Transceiver
 Model No. : ZXT-120
 Sample No. : A000071136-001
 TUV Order No: 144019485
 Test Mode : TX mode

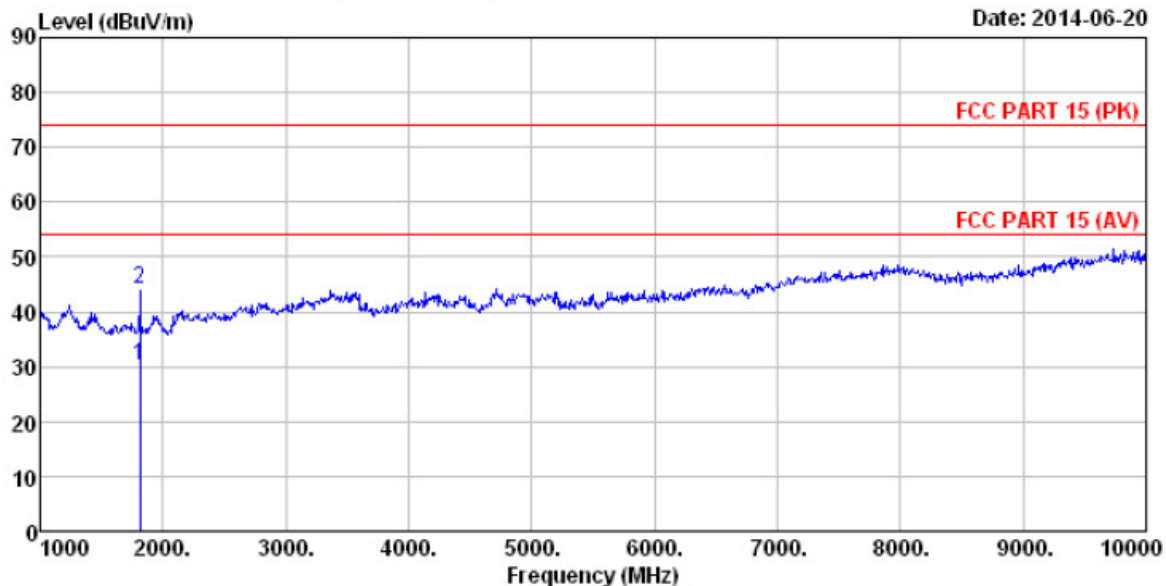
	Freq	Read Level	Antenna Factor	Cable Loss	Preamplifier	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1816.700	34.09	25.37	4.87	34.14	30.19	54.00	-23.81	Average
2	1816.700	48.23	25.37	4.87	34.14	44.33	74.00	-29.67	Peak

Tx frequency: 908.42MHz

1GHz – 10GHz (Vertical)

Data: 6 File: \\Gts023p\2014 GTS Project\T\TUV HK\1022RF\Test data.EM6 (9)

Date: 2014-06-20



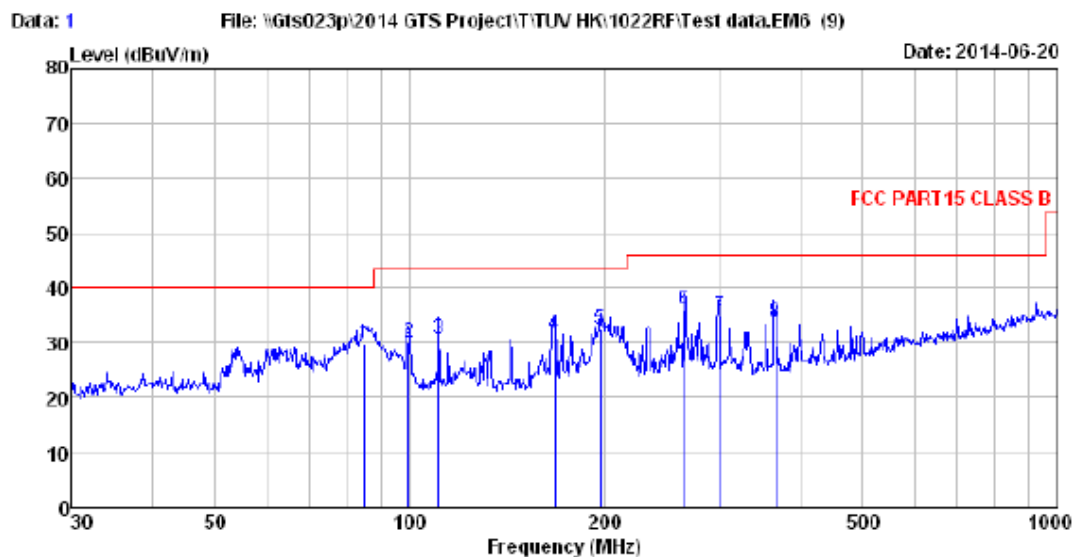
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120D ANT(>1GHZ) VERTICAL
 EUT : 908MHz Transceiver
 Model No. : ZXT-120
 Sample No. : A000071136-001
 TUV Order No: 144019485
 Test Mode : TX mode

	ReadAntenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m
1	1816.700	34.22	25.37	4.87	34.14	30.32
2	1816.700	48.00	25.37	4.87	34.14	44.10

Limit Line: 54.00 dB
 Over Limit: -23.68 dB (Average)
 Over Limit: -29.90 dB (Peak)

Rx mode

30MHz – 1GHz (Horizontal)

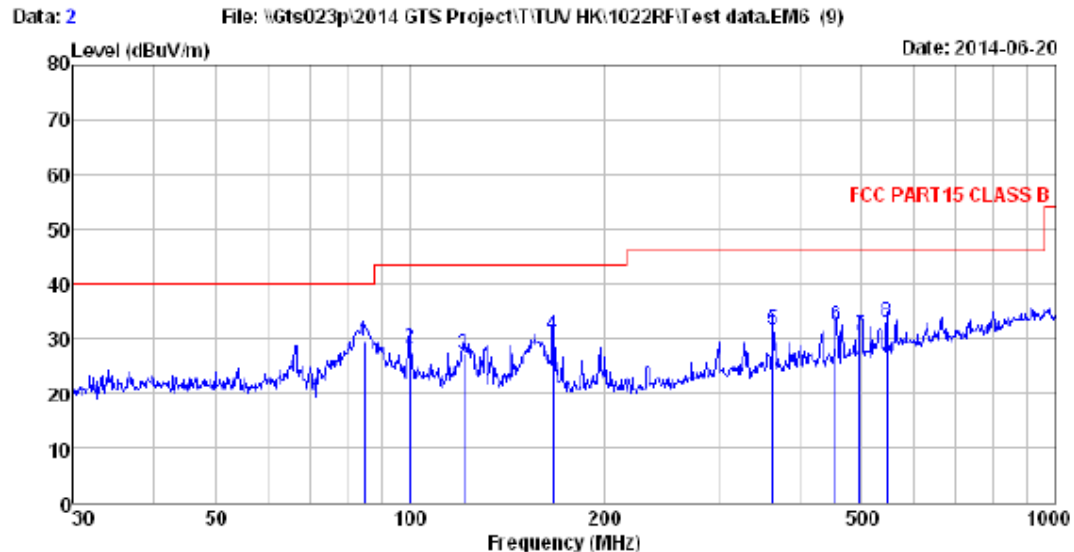


Site : 3m chamber
 Condition : FCC PART15 CLASS B 3m VULB9163-2013M HORIZONTAL
 EUT : 908MHz Transceiver
 Model No. : ZXT-120
 Sample No. : A000071136-002
 TUV Order No: 144019485
 Test Mode : RX mode

	Freq	Read	Antenna	Cable	Preamp	Level	Limit	Over	
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	84.999	48.31	12.31	1.07	31.74	29.95	40.00	-10.05	QP
2	99.528	45.56	15.13	1.19	31.76	30.12	43.50	-13.38	QP
3	110.569	47.03	14.15	1.28	31.81	30.65	43.50	-12.85	QP
4	167.237	51.21	10.87	1.67	32.04	31.71	43.50	-11.79	QP
5	196.510	50.31	12.57	1.82	32.13	32.57	43.50	-10.93	QP
6	265.676	51.64	14.26	2.20	32.17	35.93	46.00	-10.07	QP
7	300.367	49.45	15.06	2.36	32.17	34.70	46.00	-11.30	QP
8	366.823	46.40	16.48	2.70	31.98	33.60	46.00	-12.40	QP

Rx mode

30MHz – 1GHz (Vertical)

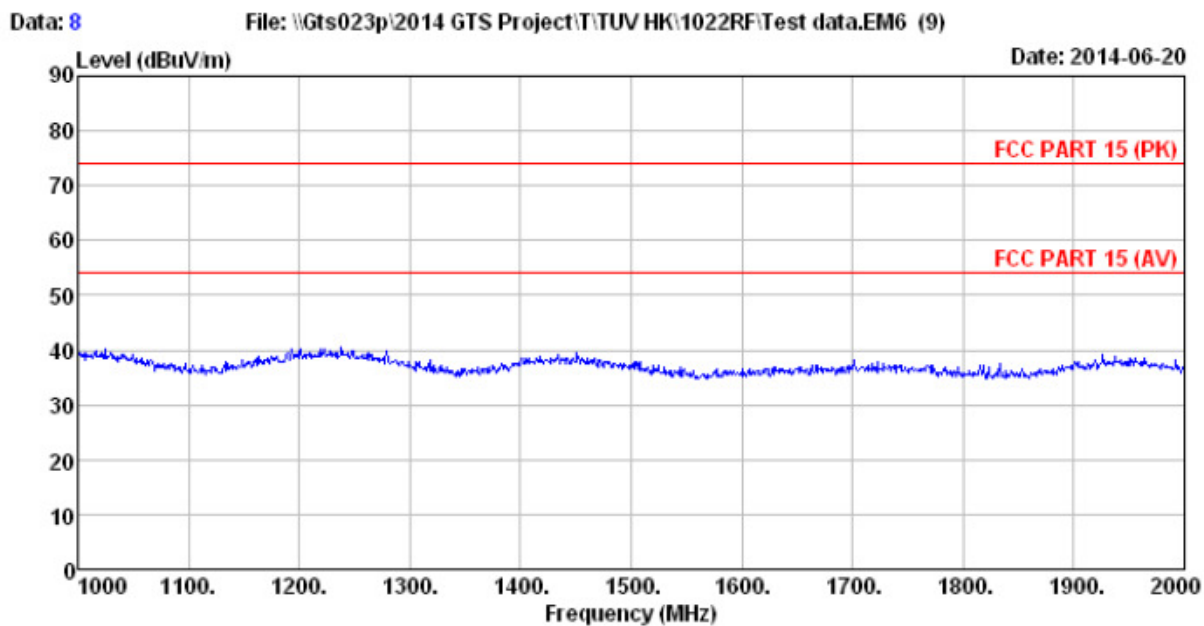


Site : 3m chamber
 Condition : FCC PART15 CLASS B 3m VULB9163-2013M VERTICAL
 EUT : 908MHz Transceiver
 Model No. : ZXT-120
 Sample No. : A000071136-002
 TUV Order No: 144019485
 Test Mode : RX mode

	Freq	ReadAntenna	Cable Preamp		Limit	Over	
	MHz	Level	Factor	Loss Factor	Level	Line	Limit Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m
1	84.999	47.89	12.31	1.07	31.74	29.53	40.00 -10.47 QP
2	99.878	43.85	15.16	1.19	31.76	28.44	43.50 -15.06 QP
3	120.699	45.18	12.38	1.37	31.86	27.07	43.50 -16.43 QP
4	166.068	50.33	10.85	1.66	32.04	30.80	43.50 -12.70 QP
5	364.260	44.42	16.46	2.69	31.99	31.58	46.00 -14.42 QP
6	455.906	43.35	17.58	3.11	31.70	32.34	46.00 -13.66 QP
7	497.677	40.34	18.52	3.29	31.57	30.58	46.00 -15.42 QP
8	547.098	41.22	19.51	3.51	31.30	32.94	46.00 -13.06 QP

Rx mode

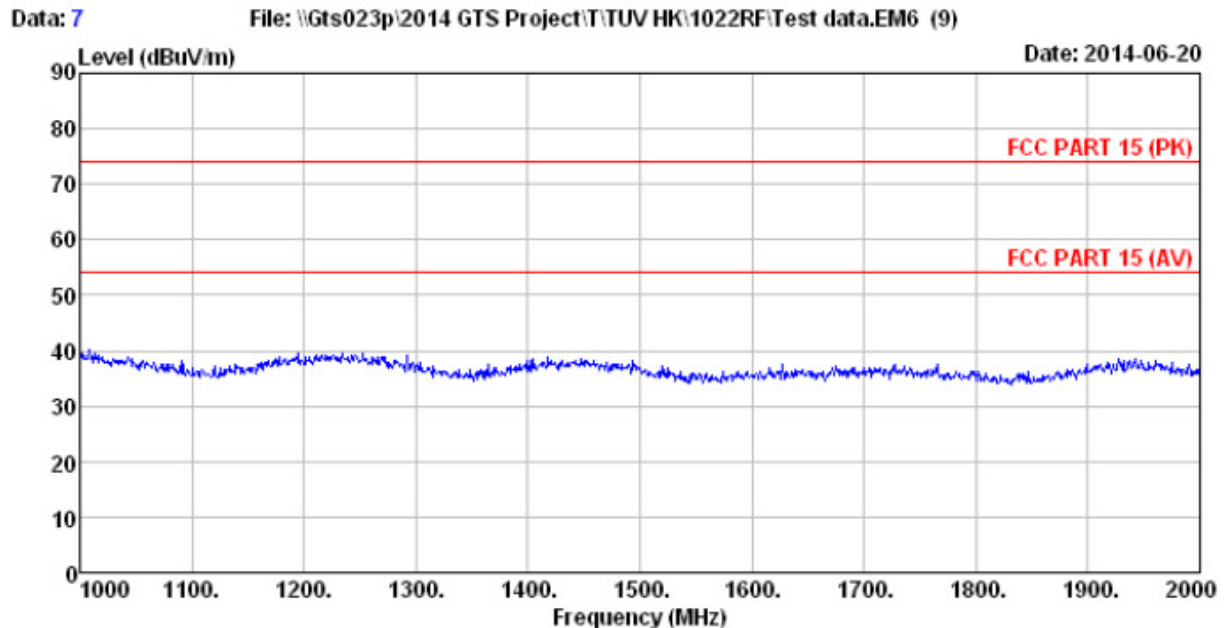
1GHz – 2GHz (Horizontal)



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120D ANT(>1GHZ) HORIZONTAL
 EUT : 908MHz Transceiver
 Model No. : ZXT-120
 Sample No. : A000071136-002
 TUV Order No: 144019485
 Test Mode : RX on

Rx mode

1GHz – 2GHz (Vertical)



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120D ANT(>1GHZ) VERTICAL
 EUT : 908MHz Transceiver
 Model No. : ZXT-120
 Sample No. : A000071136-002
 TUV Order No: 144019485
 Test Mode : RX on