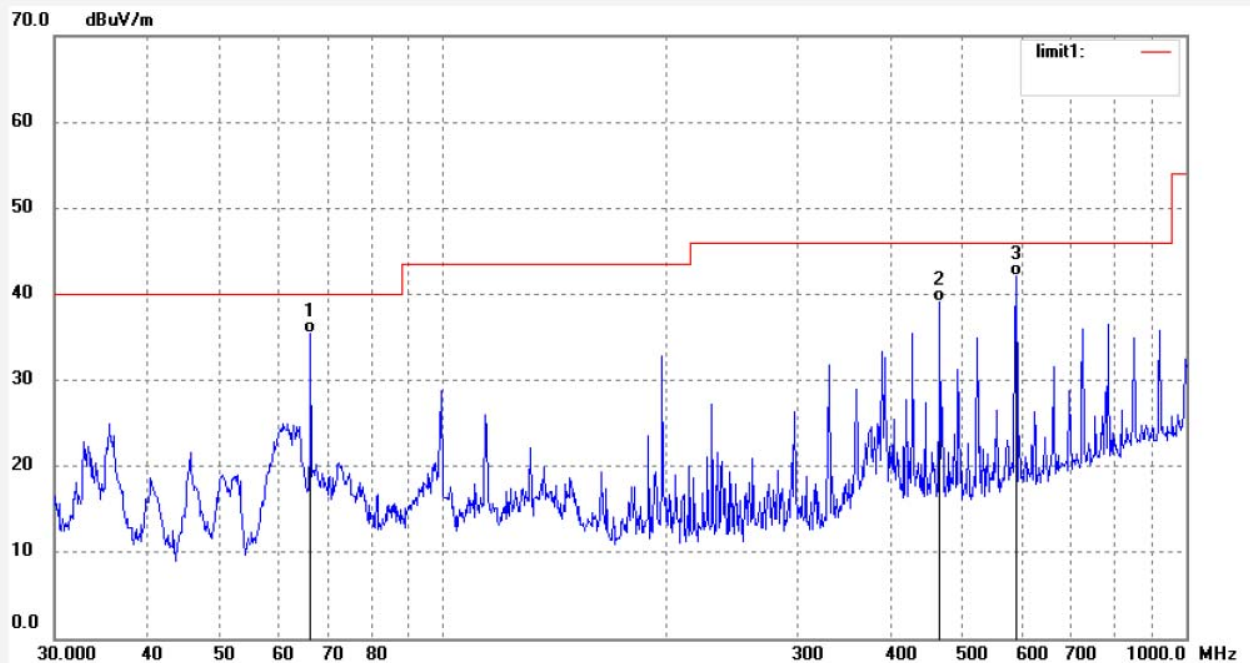


Job No.: STAR2015 #74
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 6(802.11b)
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/01/22/
Time: 9/18/18
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20150126

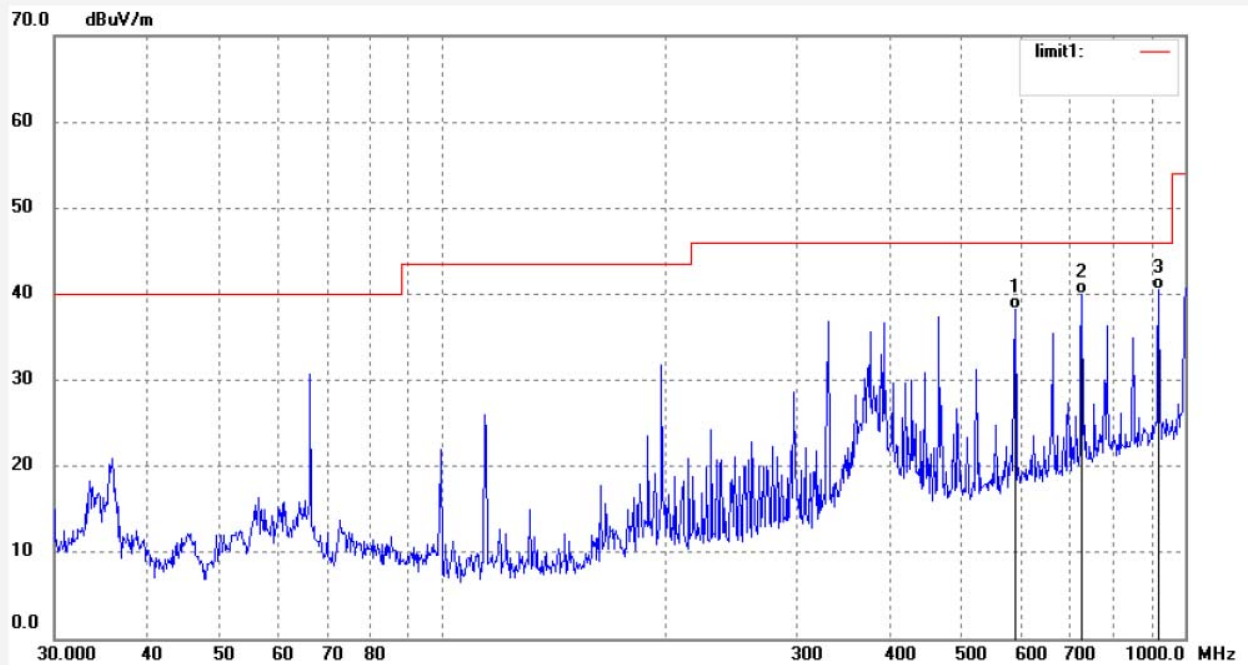


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	66.3714	56.60	-21.23	35.37	40.00	-4.63	QP			
2	466.5230	53.34	-14.30	39.04	46.00	-6.96	QP			
3	590.3511	53.97	-11.88	42.09	46.00	-3.91	QP			

Job No.: STAR2015 #76
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 11(802.11b)
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/01/22/
Time: 9/26/17
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20150126

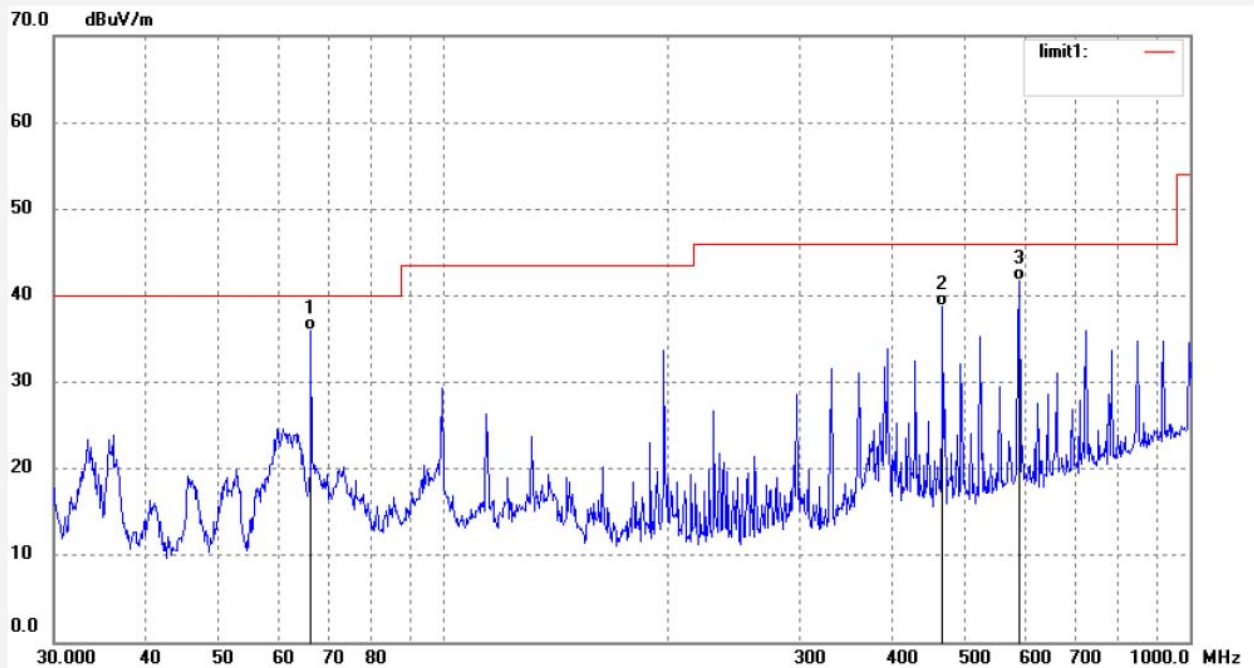


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	590.3510	50.08	-11.88	38.20	46.00	-7.80	QP			
2	726.3405	49.11	-9.17	39.94	46.00	-6.06	QP			
3	922.3667	46.33	-5.78	40.55	46.00	-5.45	QP			

Job No.: STAR2015 #77
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 11(802.11b)
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/01/22/
Time: 9/30/14
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20150126



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	66.3714	57.13	-21.23	35.90	40.00	-4.10	QP			
2	466.5230	53.06	-14.30	38.76	46.00	-7.24	QP			
3	590.3510	53.61	-11.88	41.73	46.00	-4.27	QP			

Above 1G



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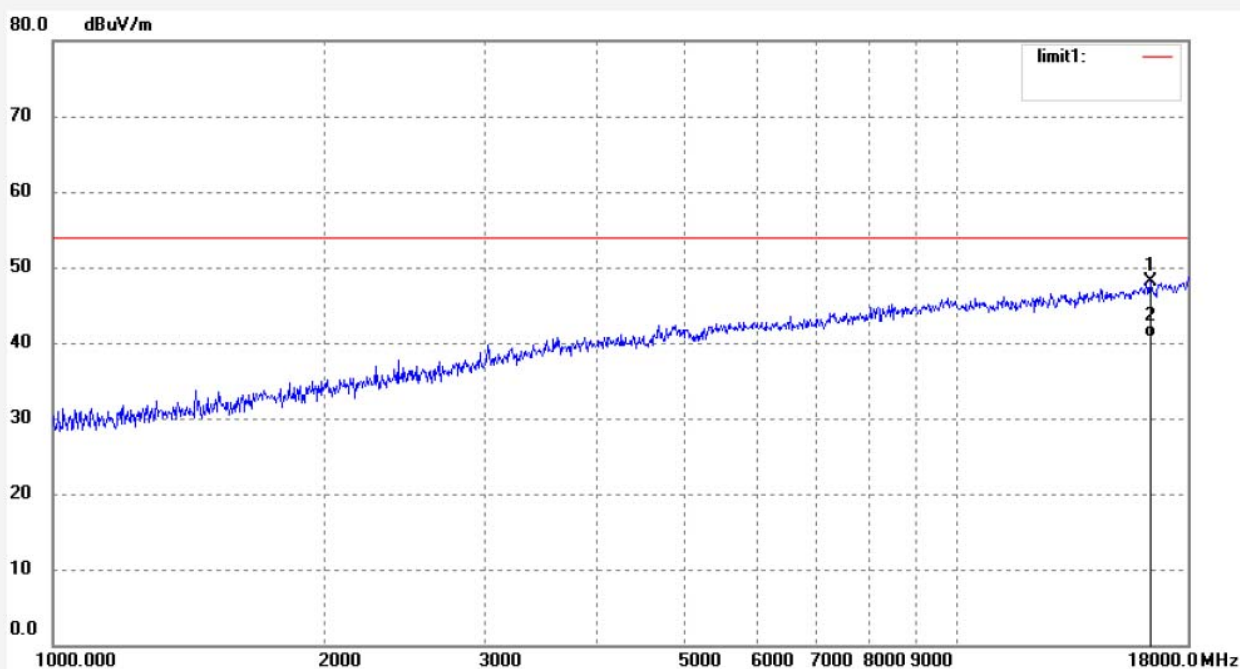
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: star2014 #586
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 1(802.11b)
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 9/53/36
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126

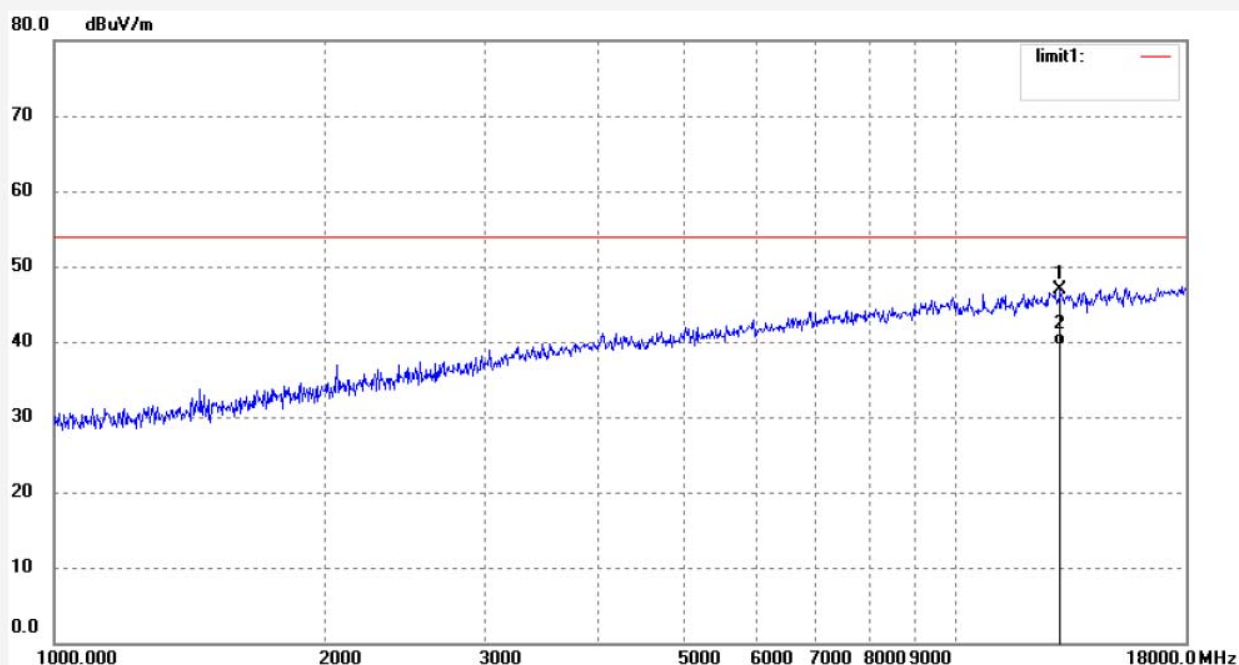


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	16362.457	36.10	12.01	48.11	74.00	-25.89	peak			
2	16362.457	28.63	12.01	40.64	54.00	-13.36	peak			

Job No.: star2014 #585
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 1(802.11b)
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 9/50/52
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126

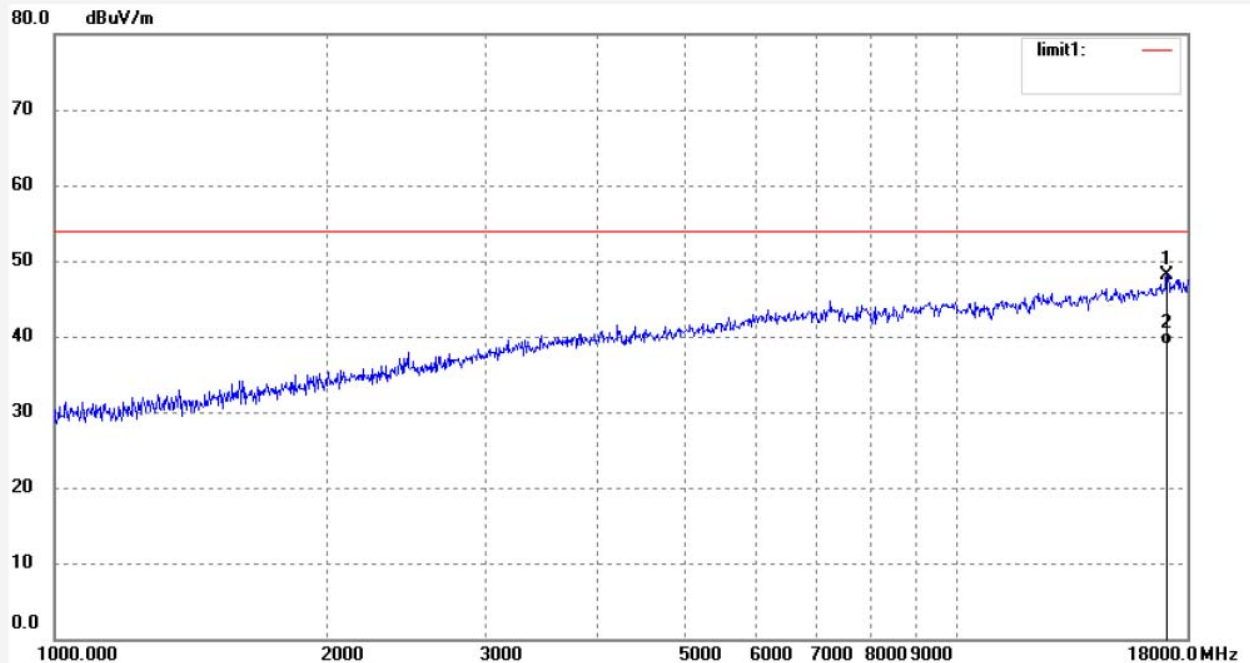


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	13059.822	38.98	8.02	47.00	74.00	-27.00	peak			
2	13059.822	31.47	8.02	39.49	54.00	-14.51	peak			

Job No.: star2014 #587
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 6(802.11b)
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 9/57/56
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126

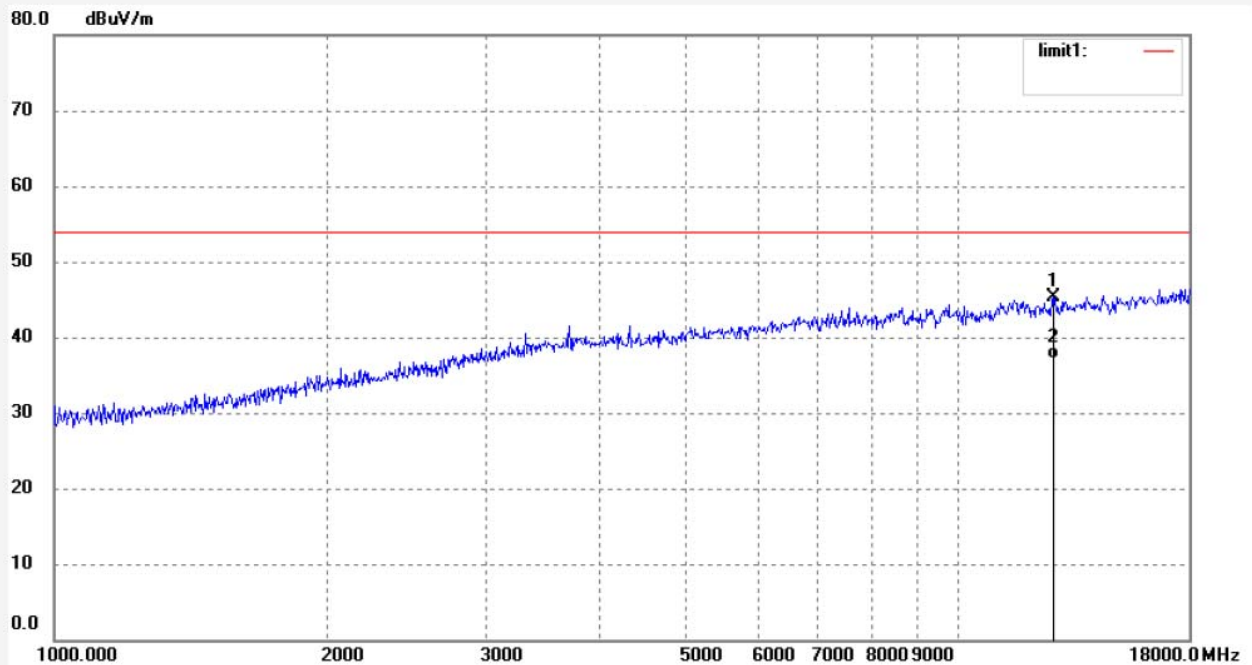


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	17087.464	33.87	14.19	48.06	74.00	-25.94	peak			
2	17087.464	24.70	14.19	38.89	54.00	-15.11	peak			

Job No.: star2014 #588
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 6(802.11b)
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 10/01/39
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126

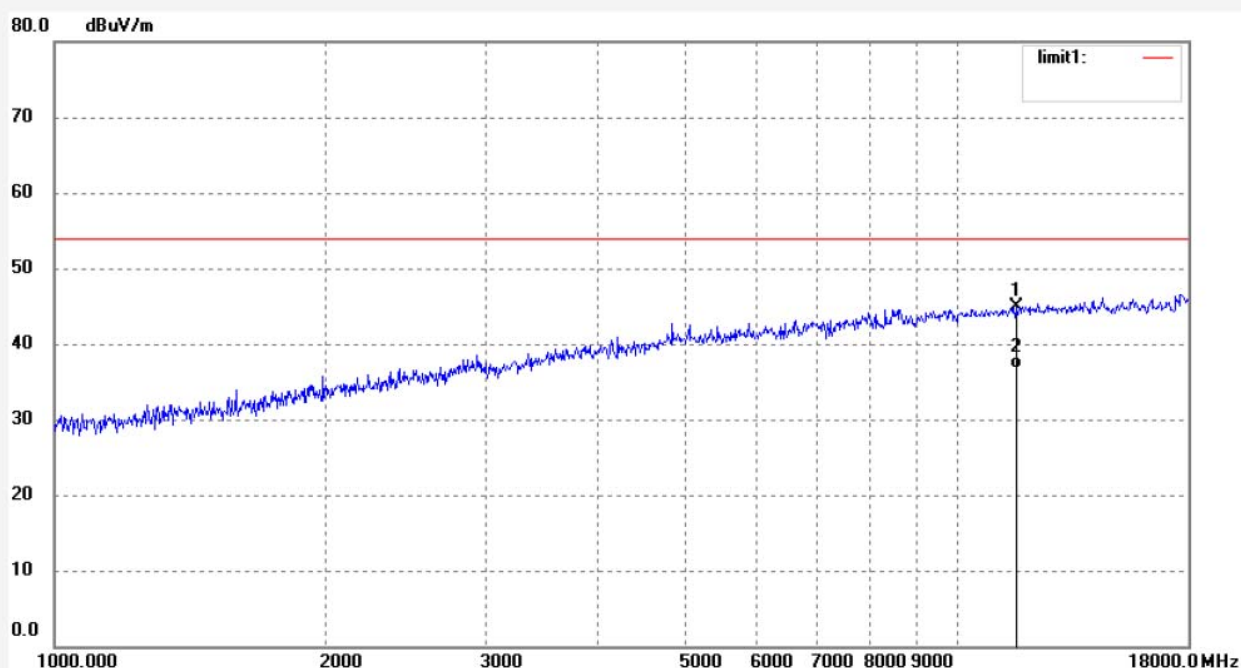


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12724.473	37.77	7.49	45.26	74.00	-28.74	peak			
2	12724.473	29.68	7.49	37.17	54.00	-16.83	peak			

Job No.: star2014 #590
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 11(802.11b)
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 10/07/56
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126

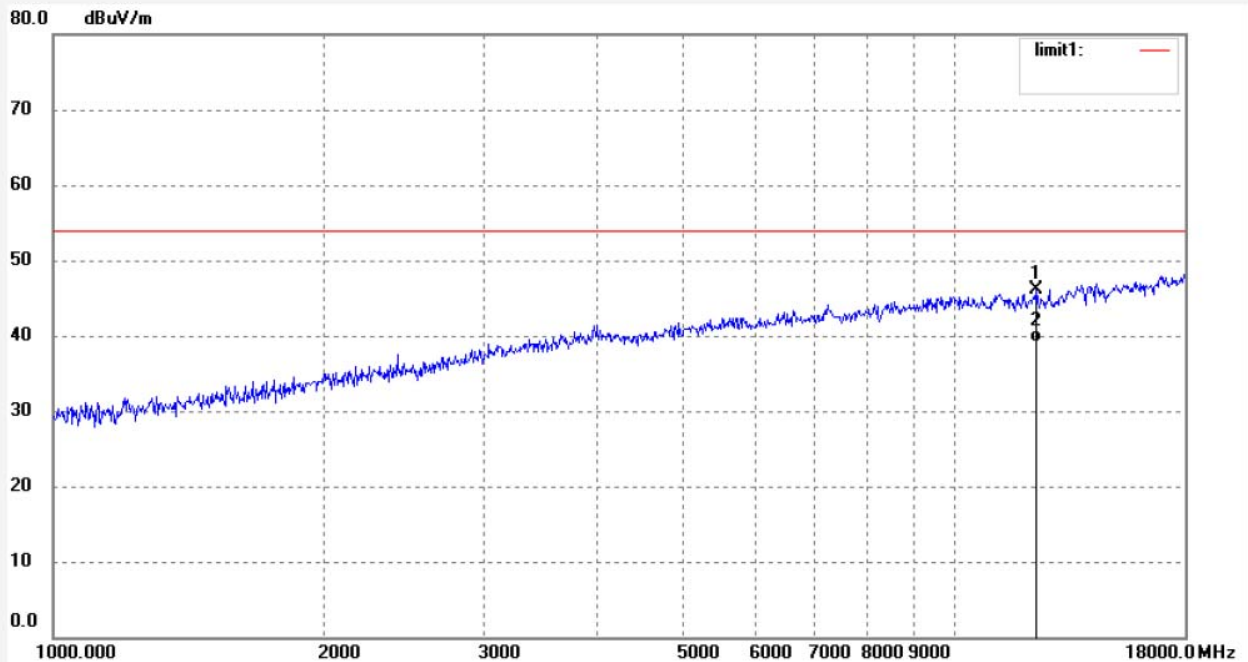


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11600.350	38.77	6.14	44.91	74.00	-29.09	peak			
2	11600.350	30.55	6.14	36.69	54.00	-17.31	peak			

Job No.: star2014 #589
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 11(802.11b)
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 10/04/22
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126

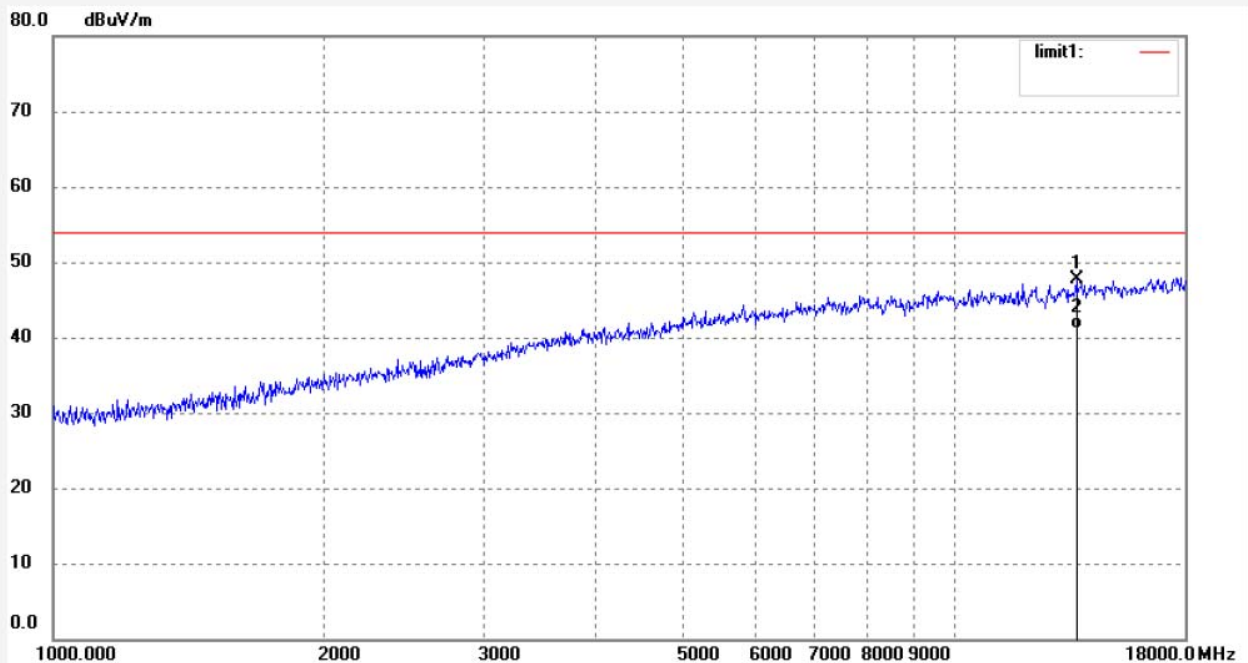


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12326.274	39.21	6.93	46.14	74.00	-27.86	peak			
2	12326.274	32.19	6.93	39.12	54.00	-14.88	peak			

Job No.: star2014 #591
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 1(802.11g)
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 10/11/47
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126

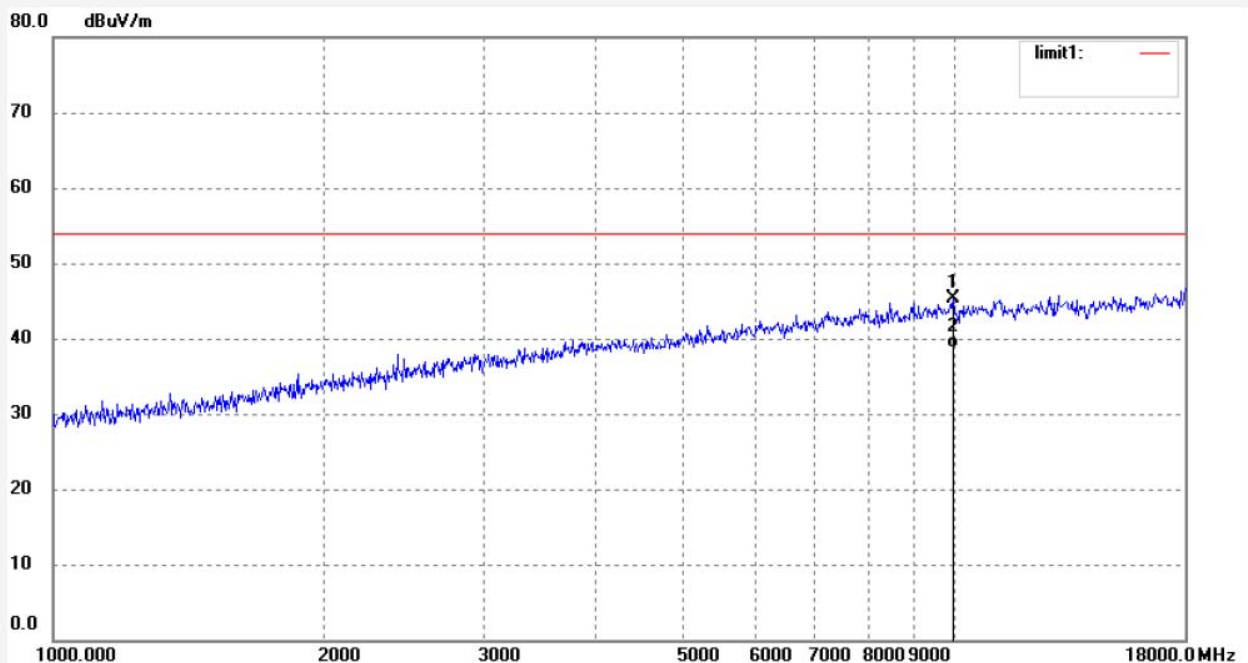


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	13638.492	38.23	9.43	47.66	74.00	-26.34	peak			
2	13638.492	31.67	9.43	41.10	54.00	-12.90	peak			

Job No.: star2014 #592
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 1(802.11g)
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 10/15/30
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126

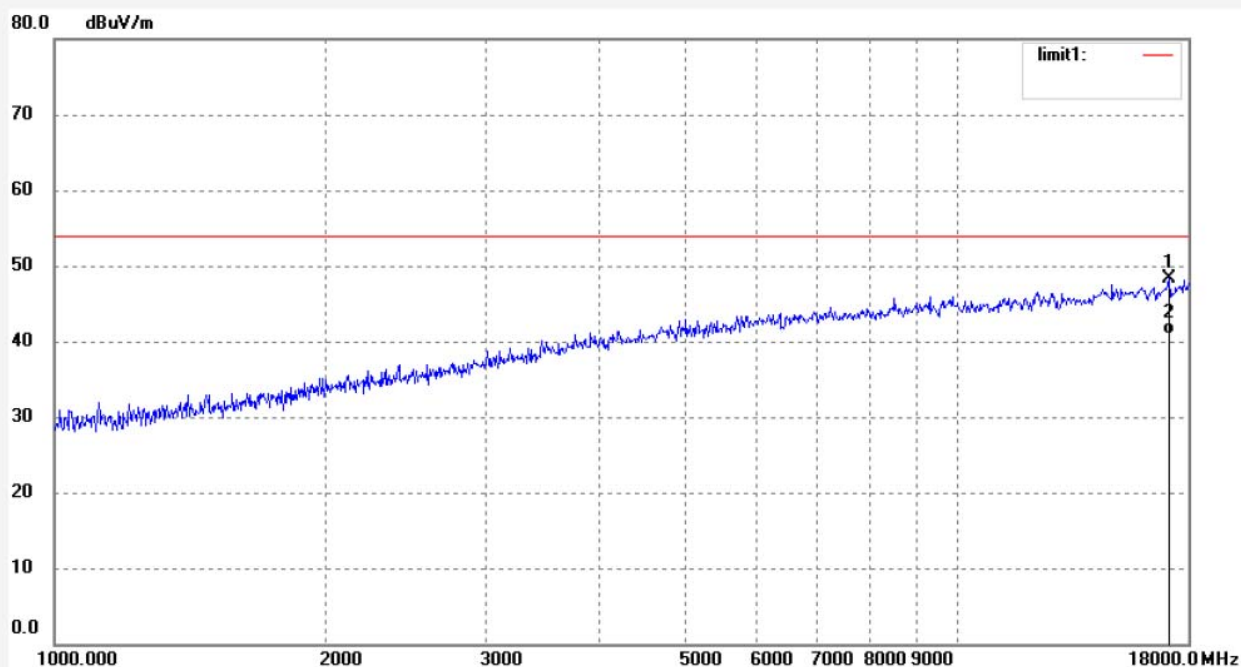


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	9952.717	40.10	5.27	45.37	74.00	-28.63	peak			
2	9952.717	33.47	5.27	38.74	54.00	-15.26	peak			

Job No.: star2014 #594
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 6(802.11g)
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 10/22/46
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	17136.924	33.81	14.42	48.23	74.00	-25.77	peak			
2	17136.924	26.40	14.42	40.82	54.00	-13.18	peak			



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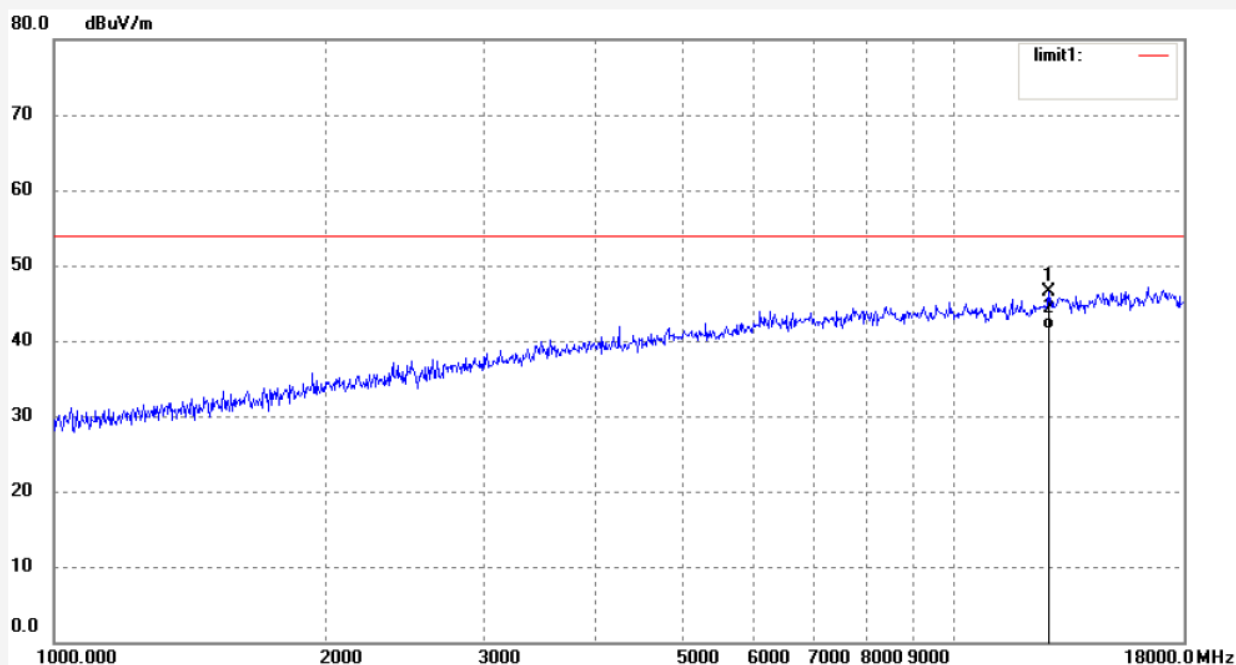
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: star2014 #593
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 6(802.11g)
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 10/18/10
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126

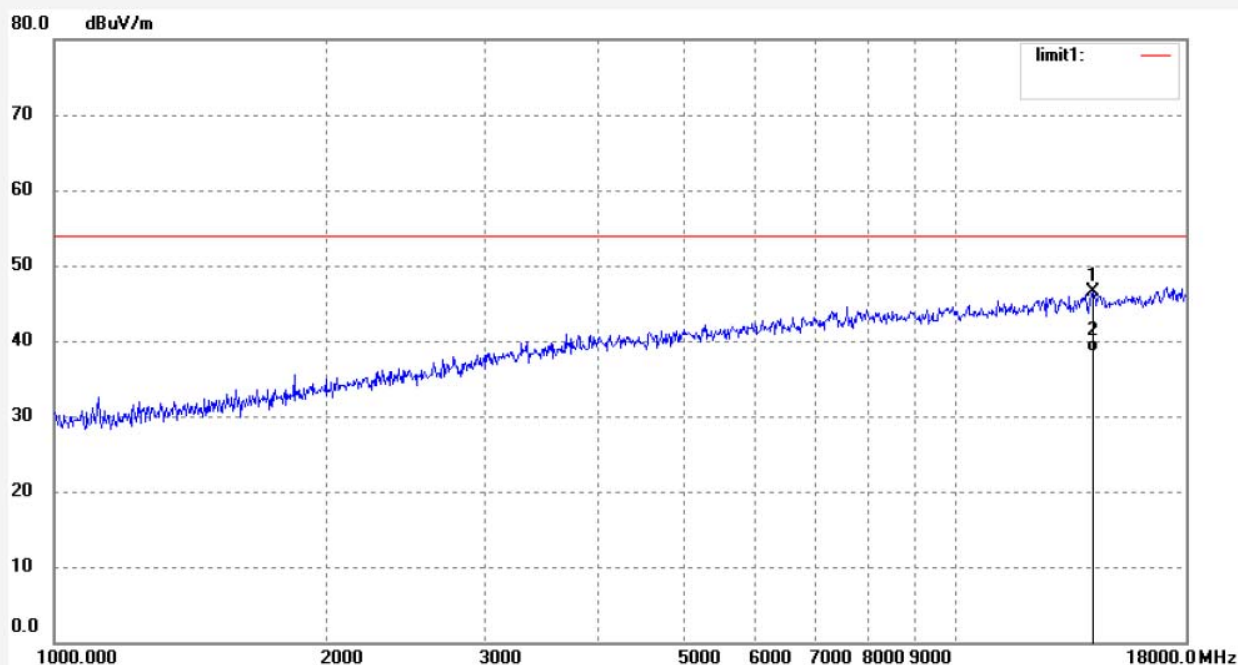


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12724.473	39.03	7.49	46.52	74.00	-27.48	peak			
2	12724.473	34.00	7.49	41.49	54.00	-12.51	peak			

Job No.: star2014 #595
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 11(802.11g)
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 10/26/23
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126

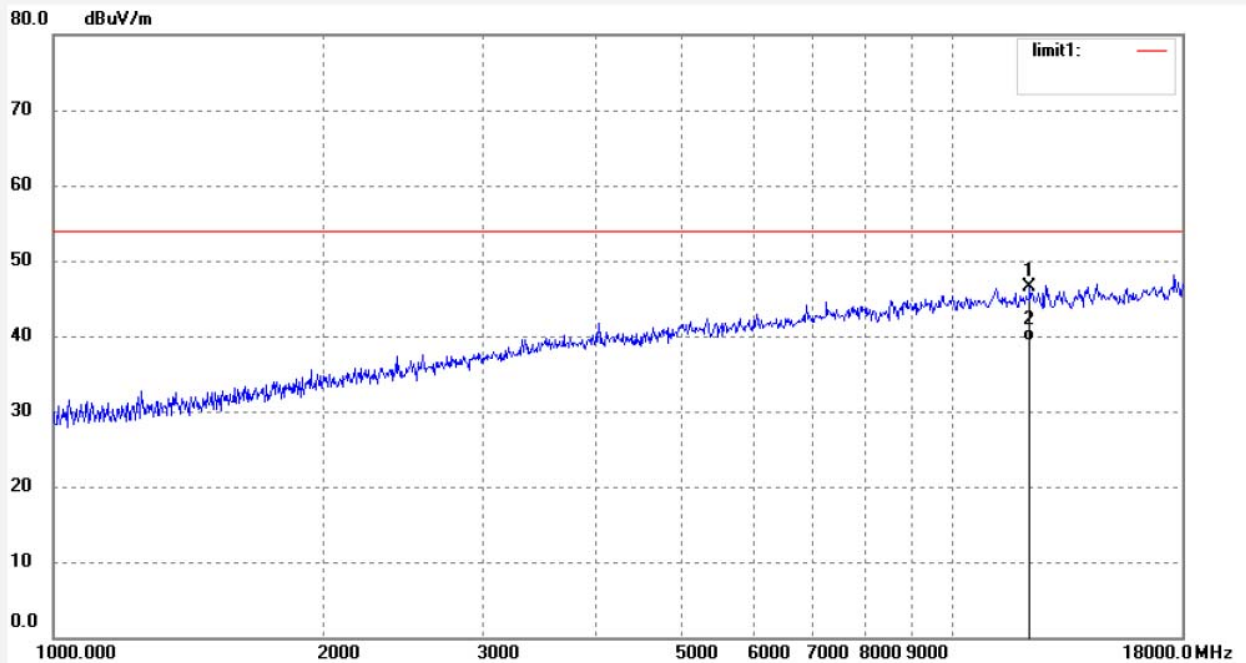


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	14201.694	34.99	11.45	46.44	74.00	-27.56	peak			
2	14201.694	26.96	11.45	38.41	54.00	-15.59	peak			

Job No.: star2014 #596
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 11(802.11g)
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 10/30/06
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12184.584	39.73	6.73	46.46	74.00	-27.54	peak			
2	12184.584	32.58	6.73	39.31	54.00	-14.69	peak			

Job No.: star2014 #598

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Mobile internet device

Mode: TX Channel 1(802.11n)20MHz

Model: S1S 591-00101

Manufacturer: Pipo

Polarization: Horizontal

Power Source: AC 120V/60Hz

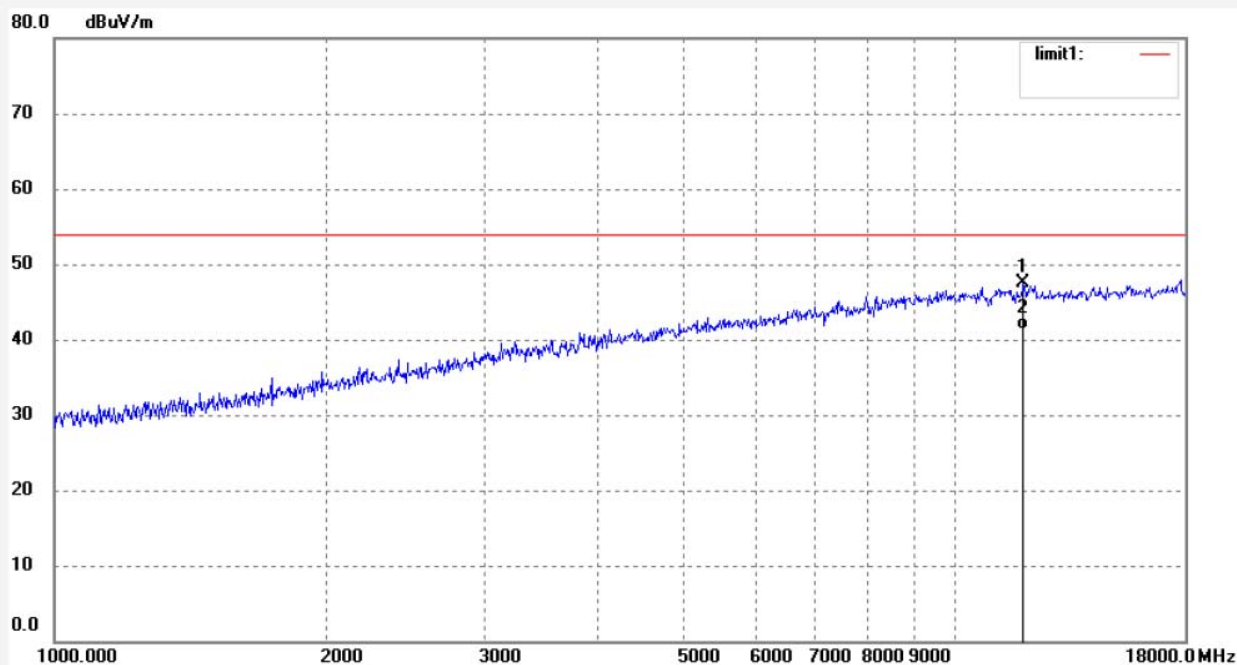
Date: 15/01/23/

Time: 10/37/11

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20150126



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11906.073	41.10	6.41	47.51	74.00	-26.49	peak			
2	11906.073	34.90	6.41	41.31	54.00	-12.69	peak			

Job No.: star2014 #597

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Mobile internet device

Mode: TX Channel 1(802.11n)20MHz

Model: S1S 591-00101

Manufacturer: Pipo

Polarization: Vertical

Power Source: AC 120V/60Hz

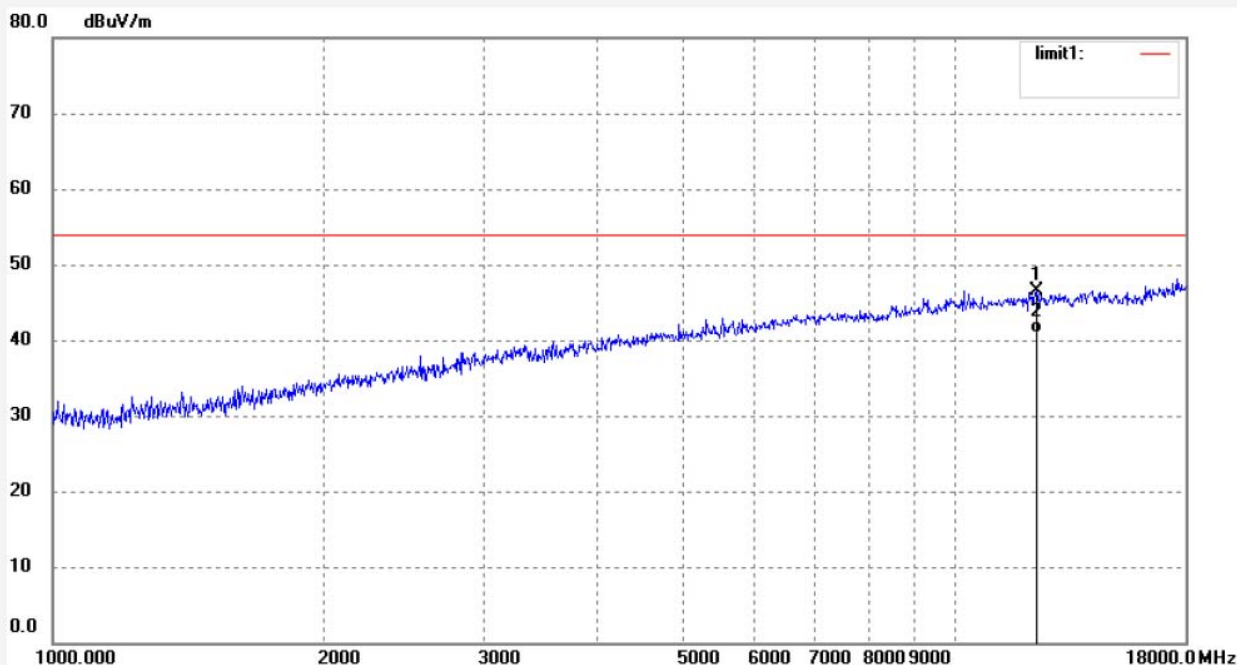
Date: 15/01/23/

Time: 10/33/04

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20150126

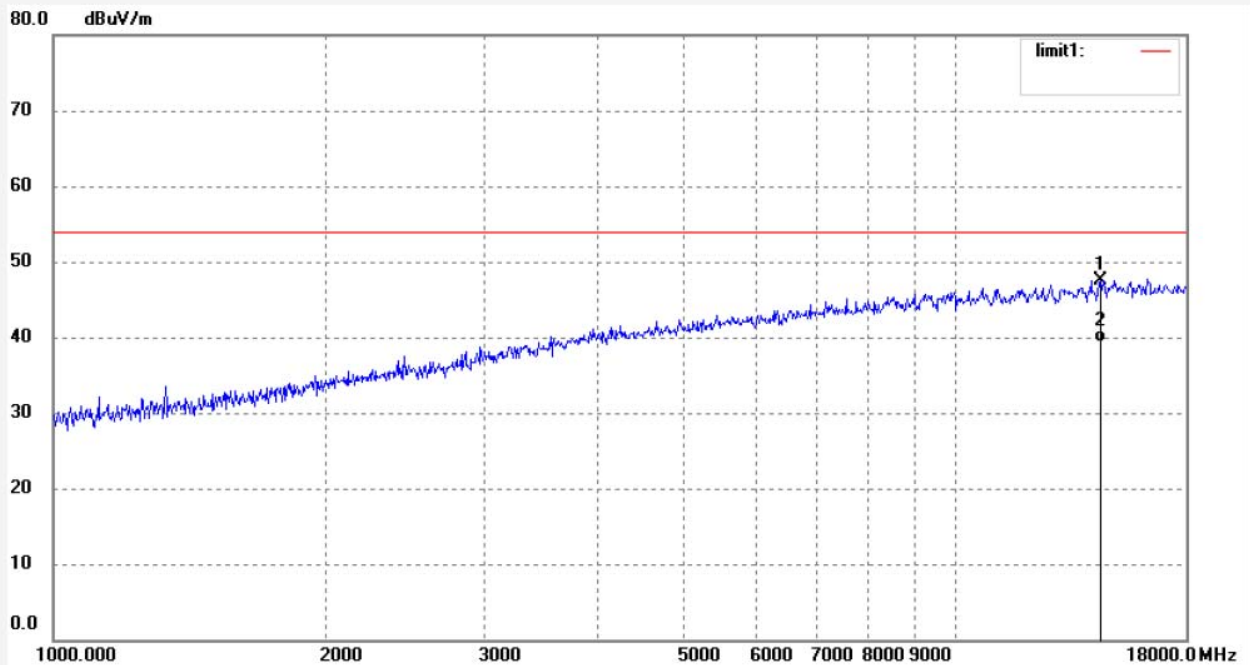


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12290.698	39.68	6.88	46.56	74.00	-27.44	peak			
2	12290.698	34.10	6.88	40.98	54.00	-13.02	peak			

Job No.: star2014 #599
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 6(802.11n)20MHz
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 10/41/59
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126

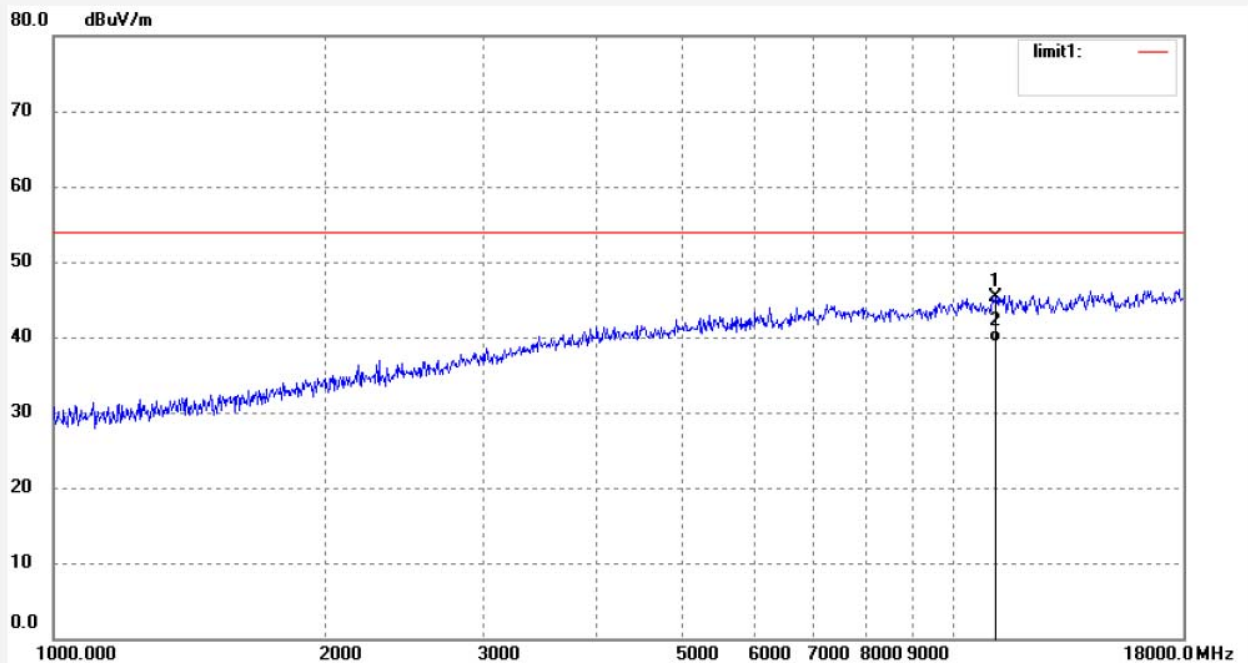


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	14491.958	34.55	12.95	47.50	74.00	-26.50	peak			
2	14491.958	26.39	12.95	39.34	54.00	-14.66	peak			

Job No.: star2014 #600
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 6(802.11n)20MHz
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 10/45/49
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126

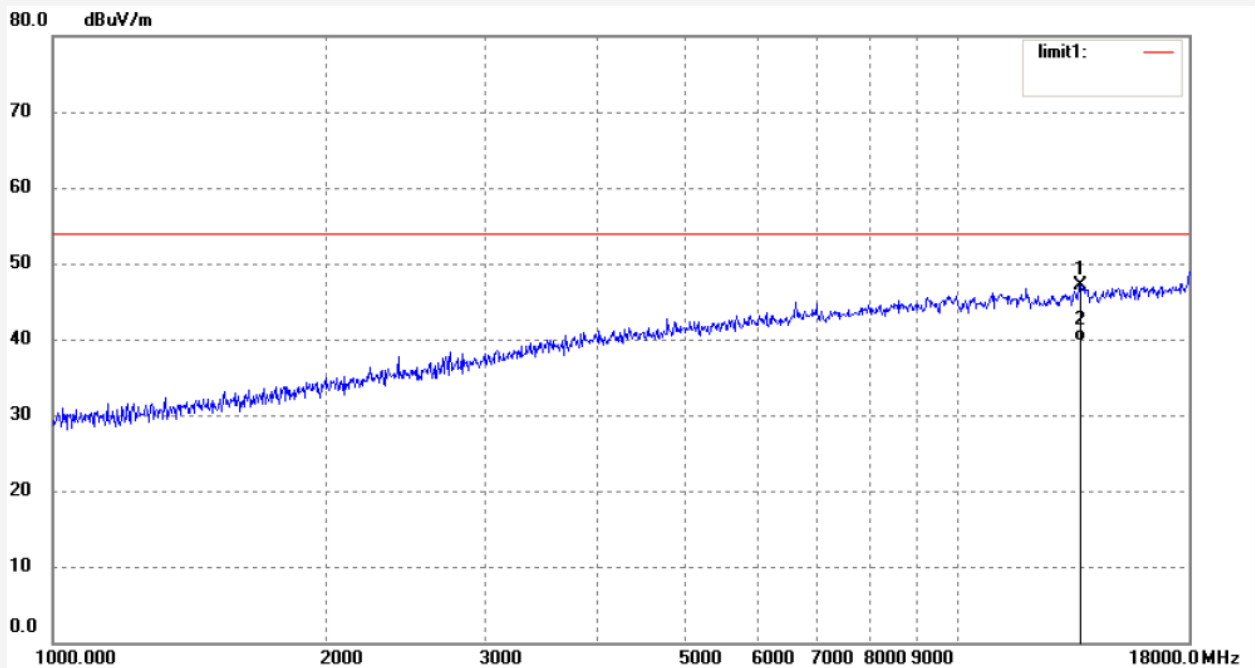


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11140.310	39.73	5.65	45.38	74.00	-28.62	peak			
2	11140.310	33.69	5.65	39.34	54.00	-14.66	peak			

Job No.: star2014 #601
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 11(802.11n)20MHz
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 10/49/38
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126

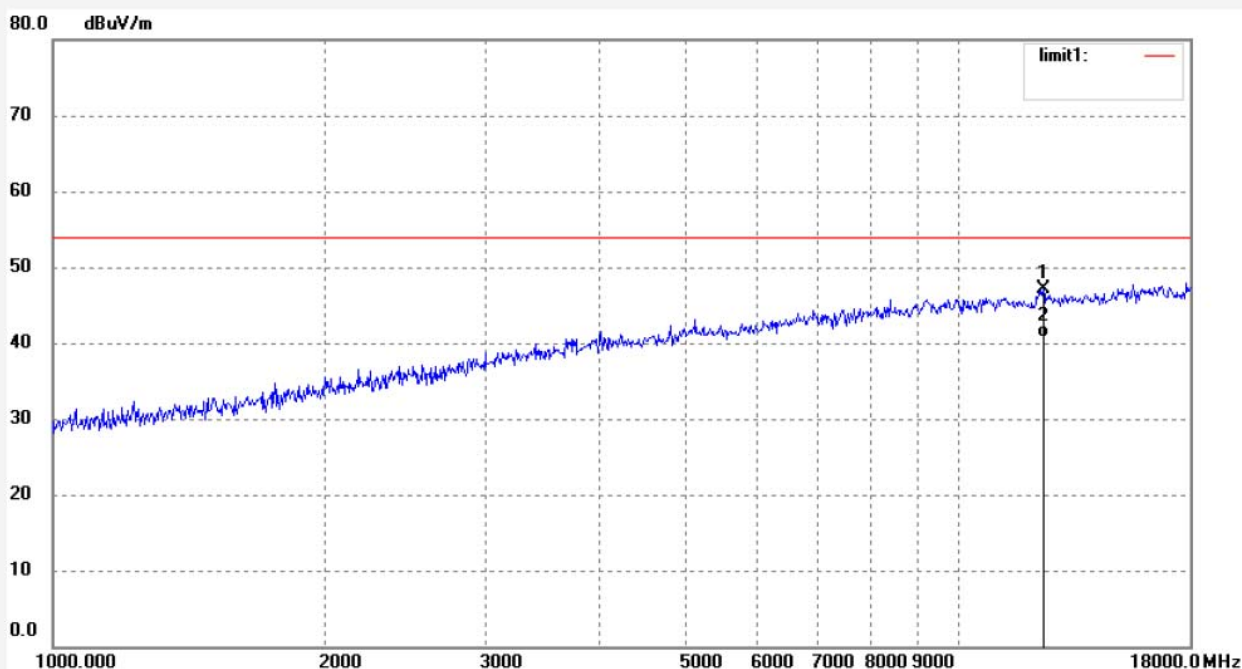


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	13638.492	37.75	9.43	47.18	74.00	-26.82	peak			
2	13638.492	30.20	9.43	39.63	54.00	-14.37	peak			

Job No.: star2014 #602
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 11(802.11n)20MHz
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 10/53/26
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126

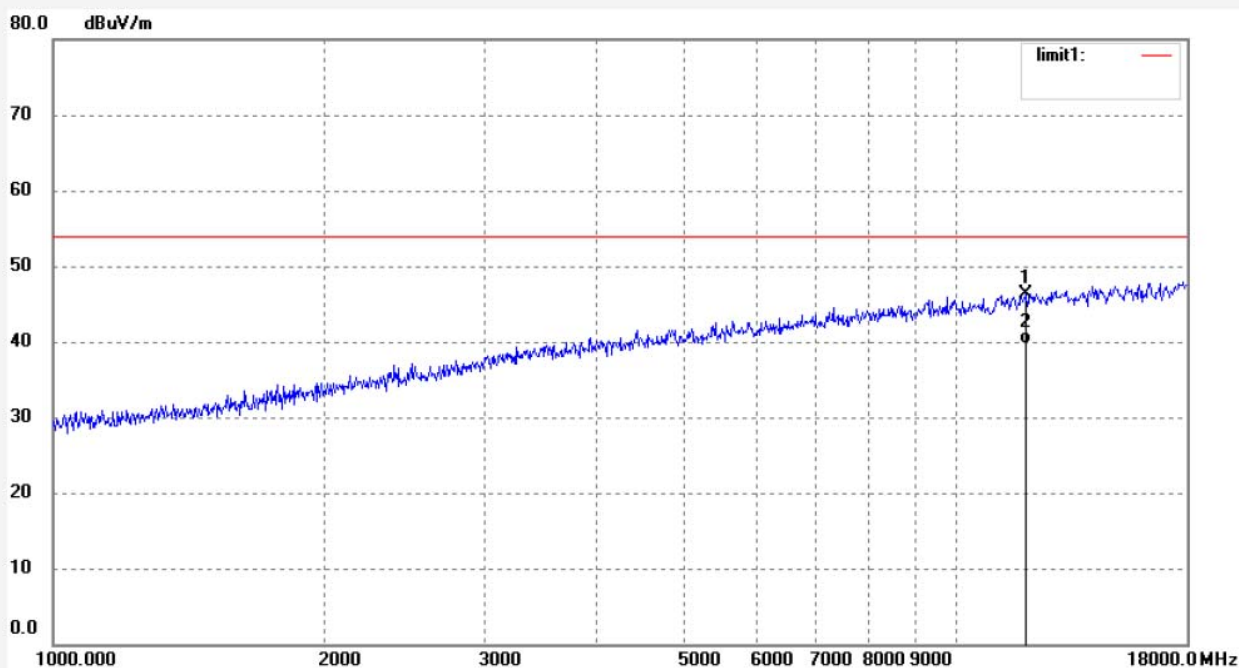


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12397.735	40.12	7.02	47.14	74.00	-26.86	peak			
2	12397.735	33.60	7.02	40.62	54.00	-13.38	peak			

Job No.: star2014 #604
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 3(802.11n)40MHz
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 10/59/03
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11940.535	39.97	6.43	46.40	74.00	-27.60	peak			
2	11940.535	33.25	6.43	39.68	54.00	-14.32	peak			

Job No.: star2014 #603

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Mobile internet device

Mode: TX Channel 3(802.11n)40MHz

Model: S1S 591-00101

Manufacturer: Pipo

Polarization: Vertical

Power Source: AC 120V/60Hz

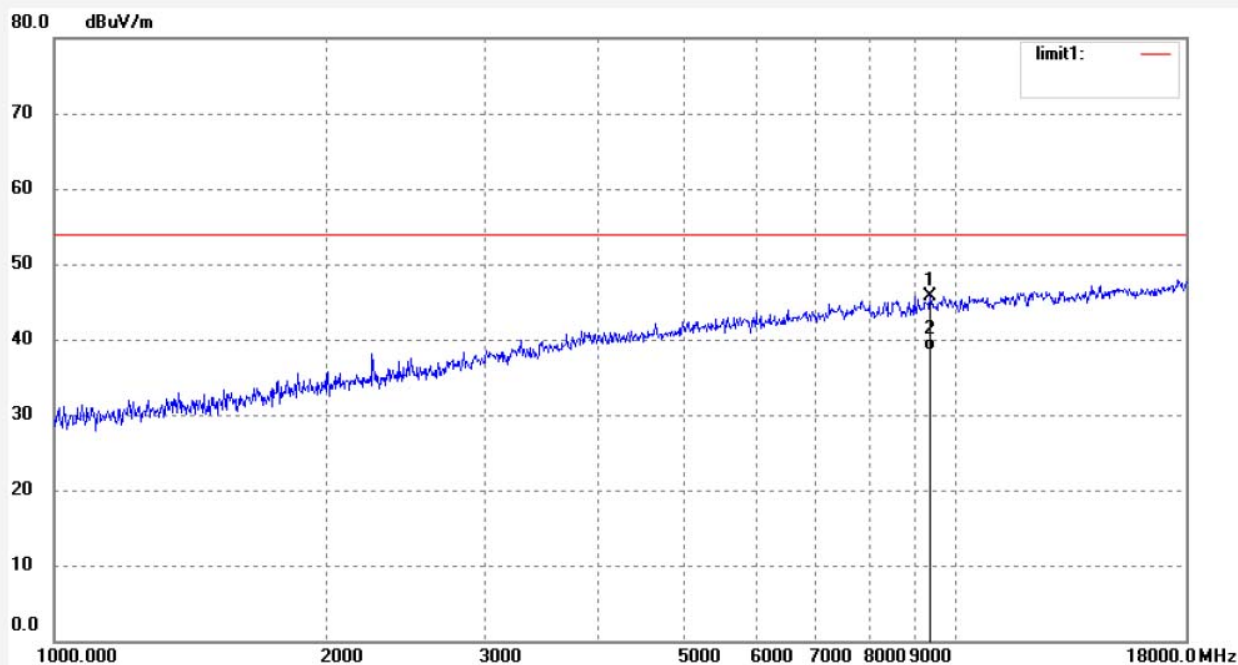
Date: 15/01/23/

Time: 10/56/25

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20150126

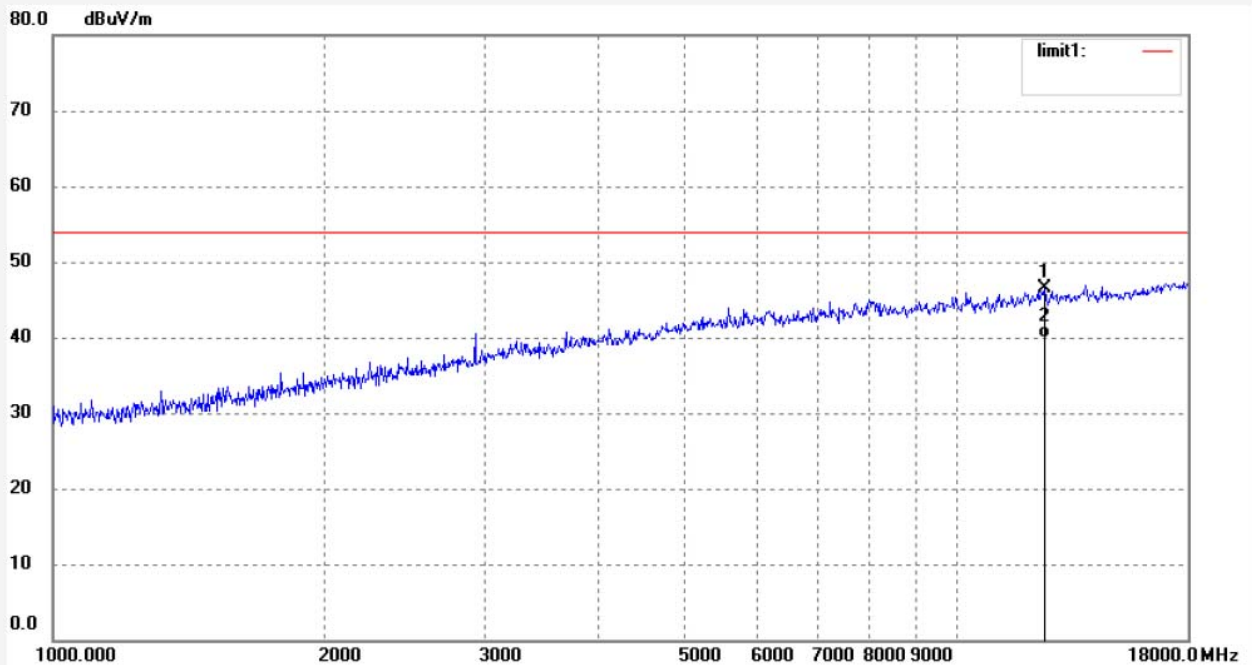


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	9366.577	41.36	4.44	45.80	74.00	-28.20	peak			
2	9366.577	34.16	4.44	38.60	54.00	-15.40	peak			

Job No.: star2014 #605
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 6(802.11n)40MHz
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 11/03/04
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126

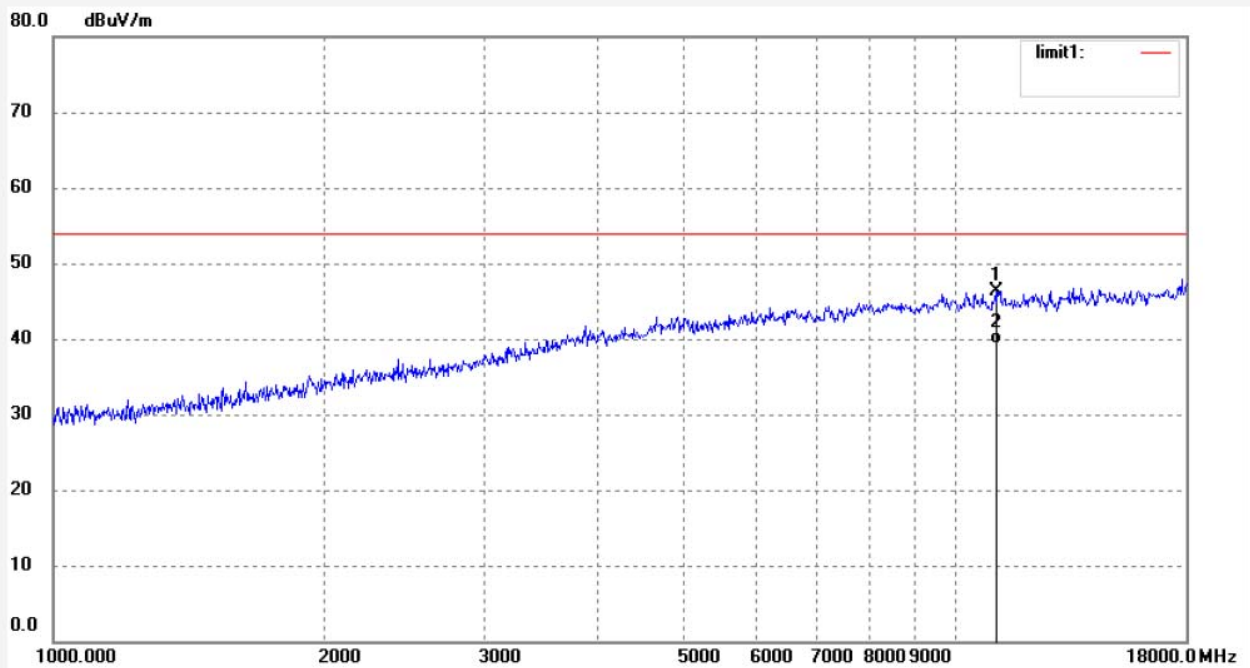


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12505.705	39.28	7.16	46.44	74.00	-27.56	peak			
2	12505.705	32.65	7.16	39.81	54.00	-14.19	peak			

Job No.: star2014 #606
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 6(802.11n)40MHz
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 11/08/22
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126

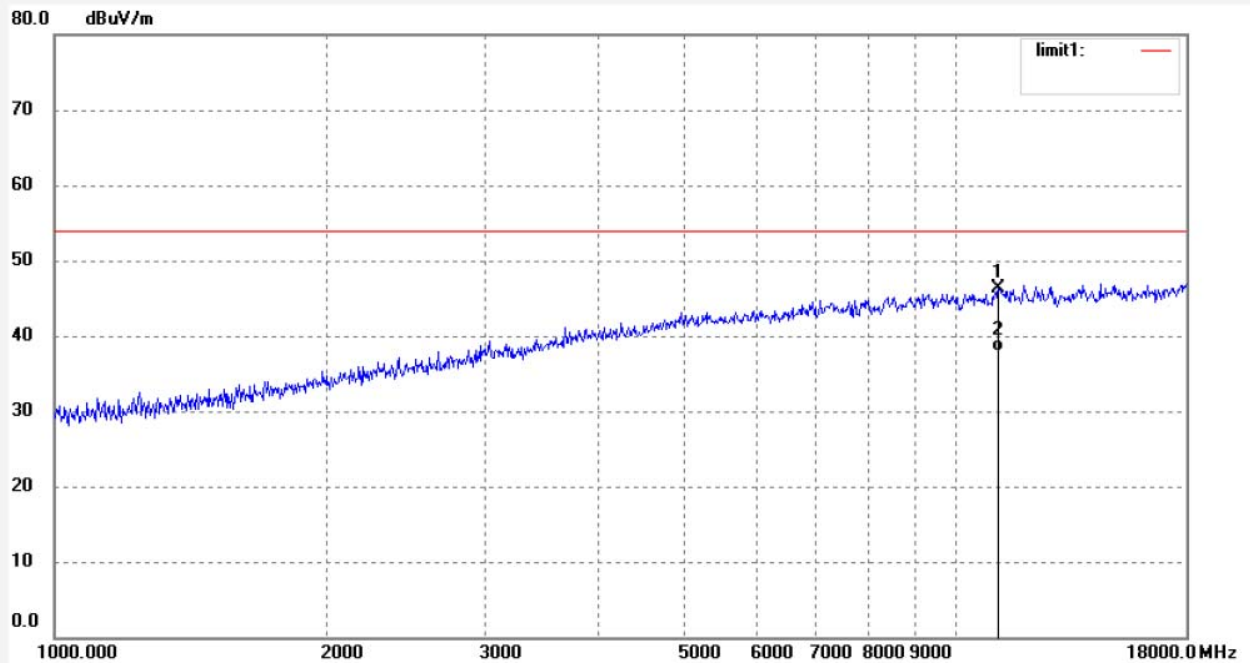


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11076.096	40.72	5.58	46.30	74.00	-27.70	peak			
2	11076.096	33.71	5.58	39.29	54.00	-14.71	peak			

Job No.: star2014 #608
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 9(802.11n)40MHz
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 11/16/17
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126

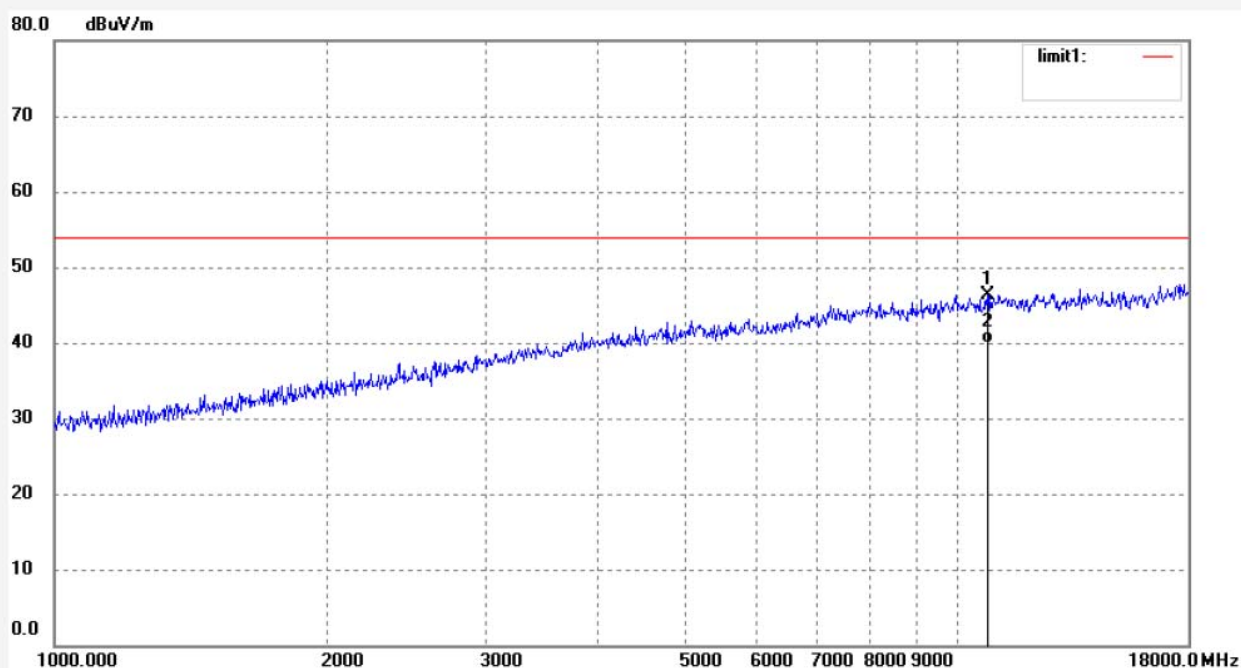


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11140.310	40.59	5.65	46.24	74.00	-27.76	peak			
2	11140.310	32.17	5.65	37.82	54.00	-16.18	peak			

Job No.: star2014 #607
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Mobile internet device
Mode: TX Channel 9(802.11n)40MHz
Model: S1S 591-00101
Manufacturer: Pipo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/01/23/
Time: 11/12/17
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20150126



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	10791.685	41.00	5.38	46.38	74.00	-27.62	peak			
2	10791.685	34.52	5.38	39.90	54.00	-14.10	peak			

11.CONDUCTED SPURIOUS EMISSION COMPLIANCE TEST

11.1.Block Diagram of Test Setup



11.2.The Requirement For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

11.3.EUT Configuration on Measurement

The equipment is installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

11.4.Operating Condition of EUT

11.4.1.Setup the EUT and simulator as shown as Section 11.1.

11.4.2.Turn on the power of all equipment.

11.4.3.Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.

11.5. Test Procedure

11.5.1. The transmitter output was connected to the spectrum analyzer via a low loss cable.

11.5.2. Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz.

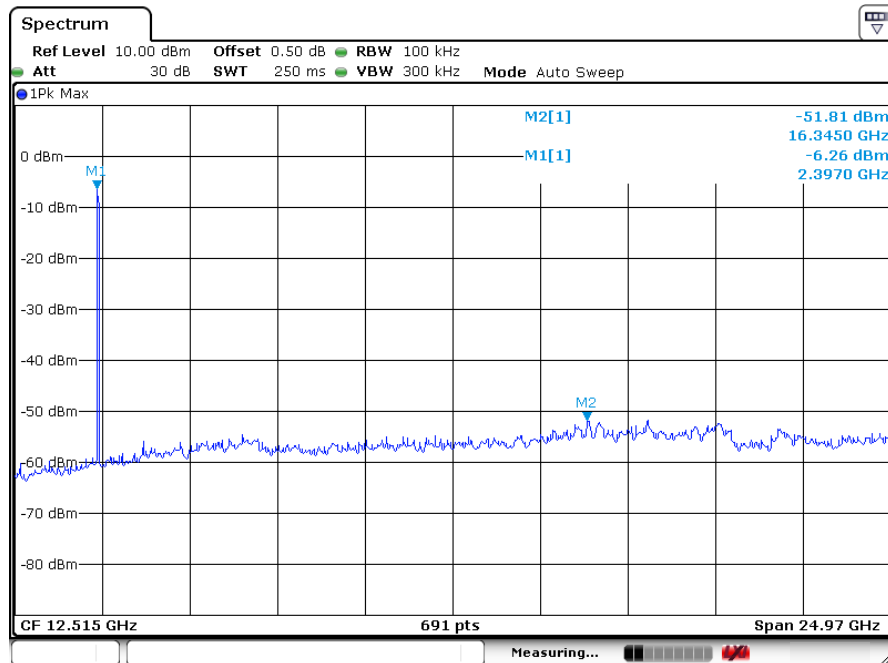
11.5.3. The Conducted Spurious Emission was measured and recorded.

11.6. Test Result

Pass.

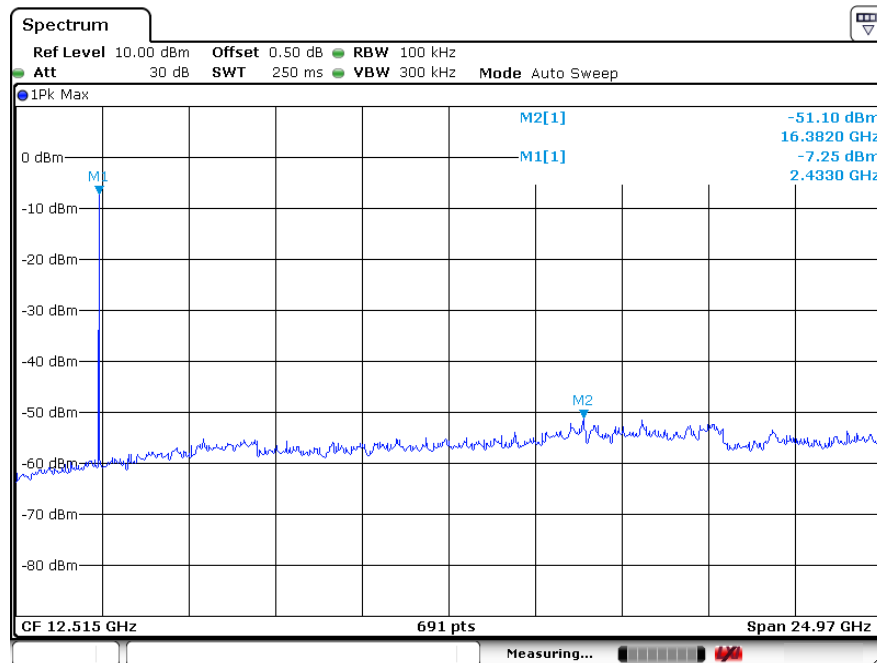
The spectrum analyzer plots are attached as below.

TX 802.11b Channel Low 2412MHz



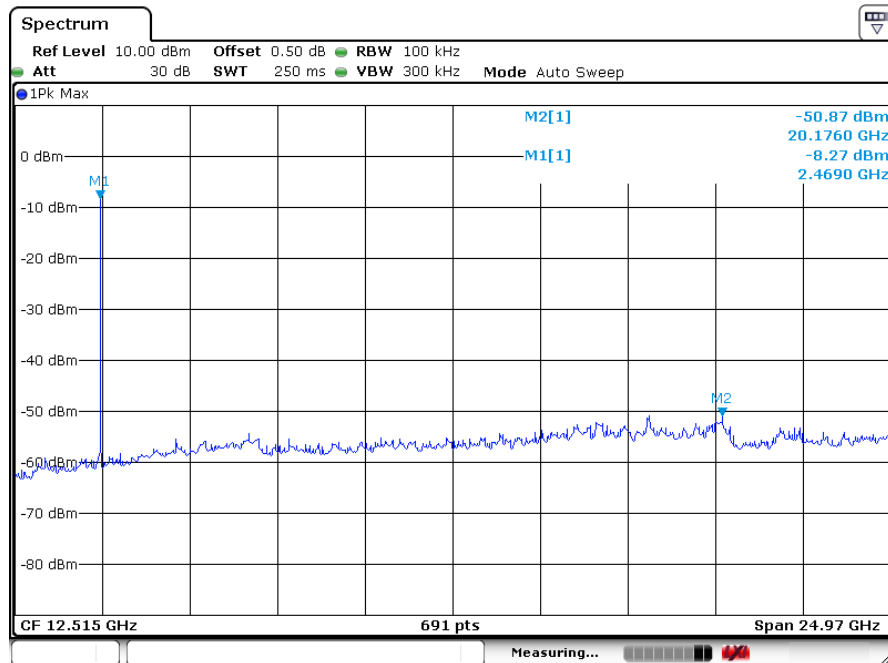
Date: 06.Jan.2015 10:48:13

TX 802.11b Channel Middle 2437MHz



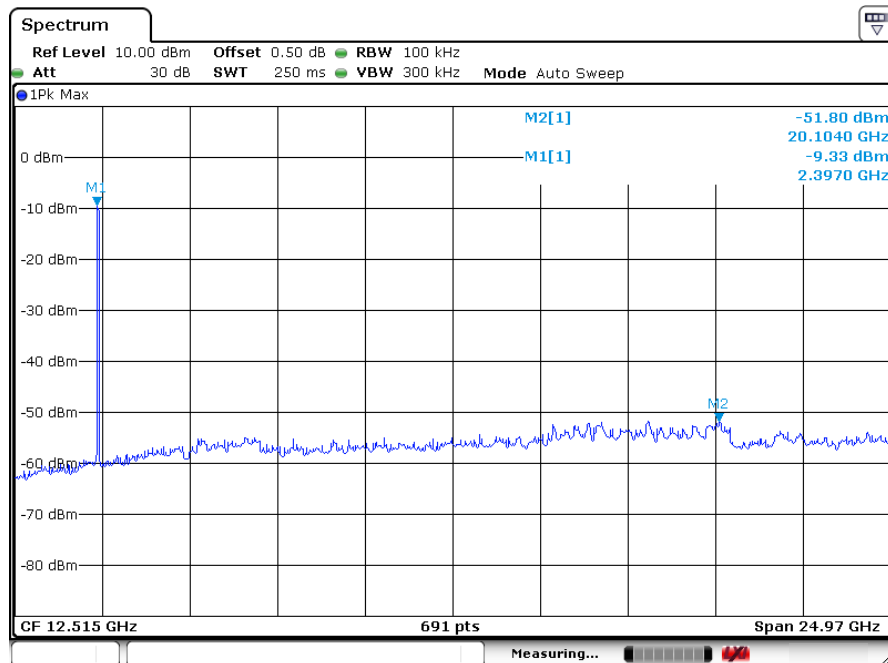
Date: 06.Jan.2015 10:47:00

TX 802.11b Channel High 2462MHz



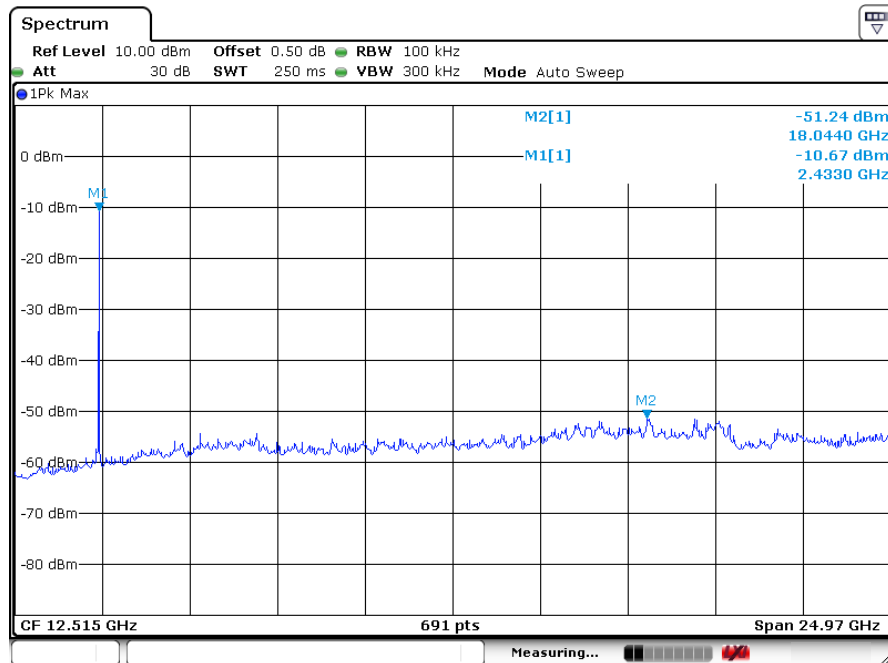
Date: 06.Jan.2015 10:49:12

TX 802.11g Channel Low 2412MHz



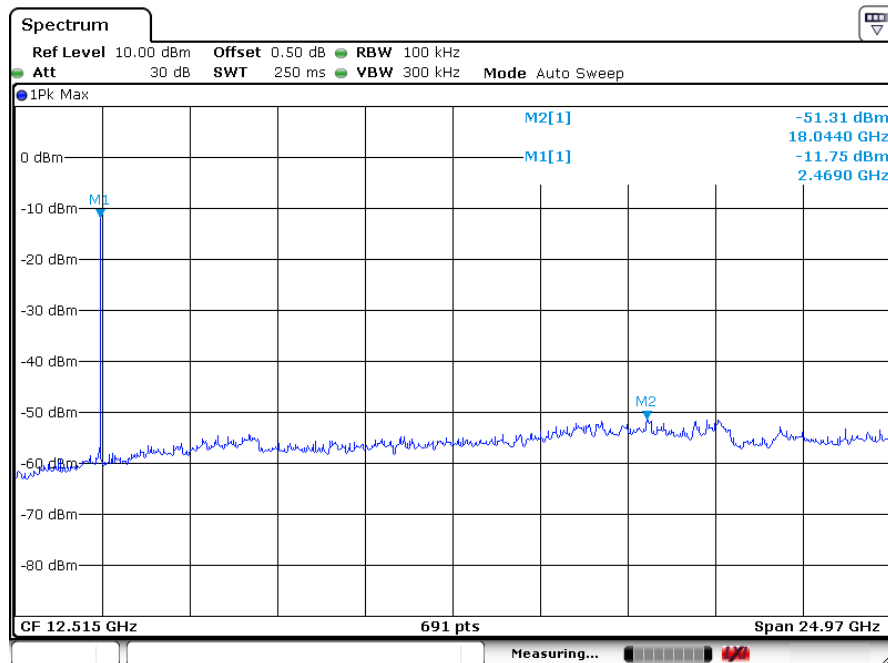
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TX 802.11g Channel Middle 2437MHz



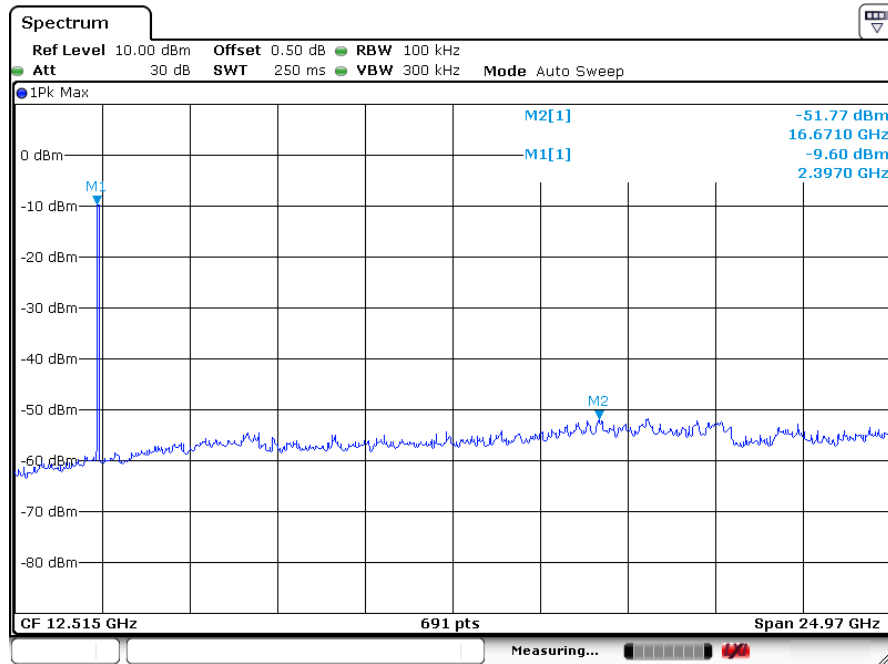
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TX 802.11g Channel High 2462MHz



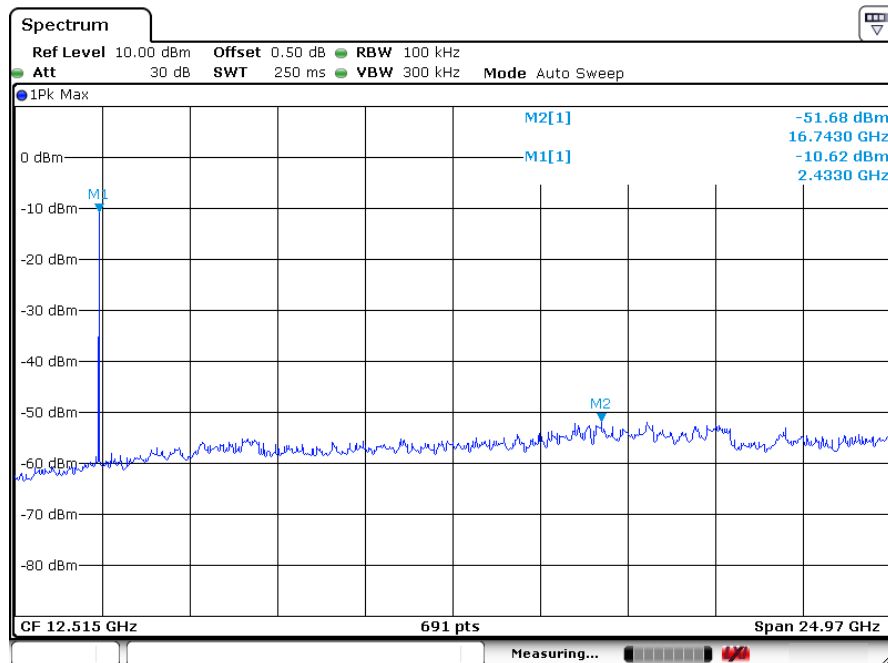
Date: 06.Jan.2015 10:52:12

TX 802.11n Channel Low 2412MHz (20MHz)



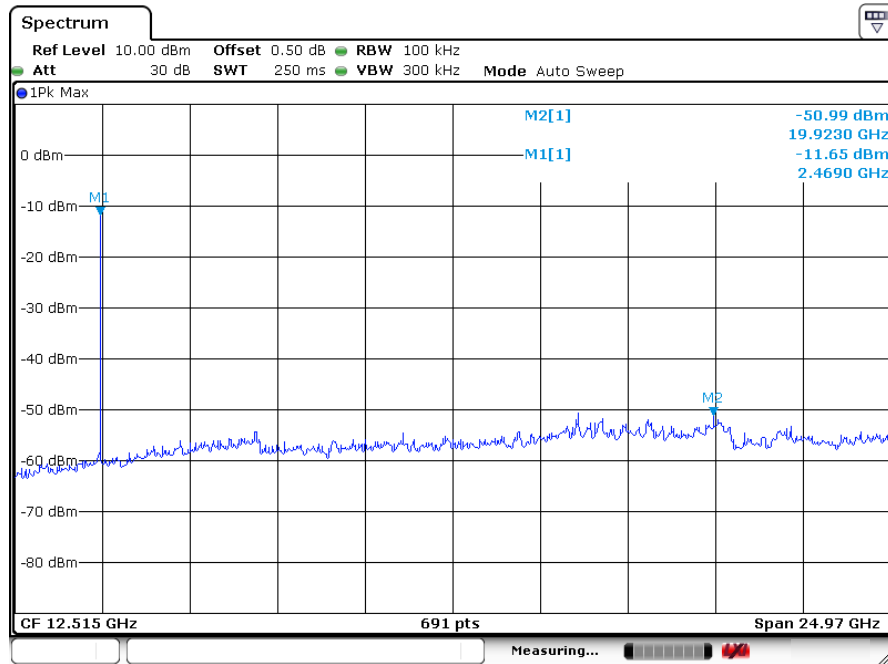
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TX 802.11n Channel Middle 2437MHz (20MHz)



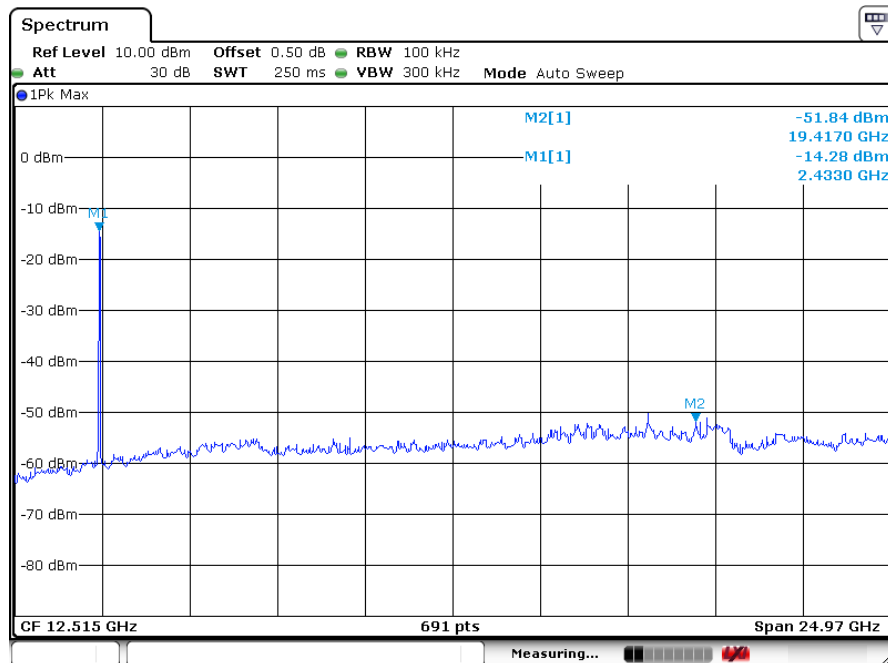
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TX 802.11n Channel High 2462MHz (20MHz)



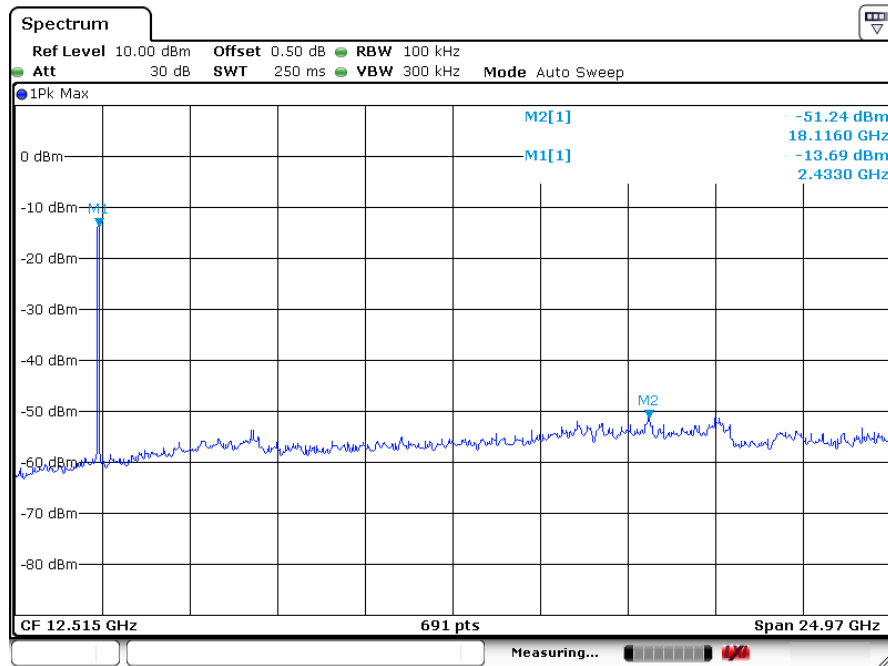
Date: 06.Jan.2015 10:59:15

TX 802.11n Channel Low 2422MHz (40MHz)



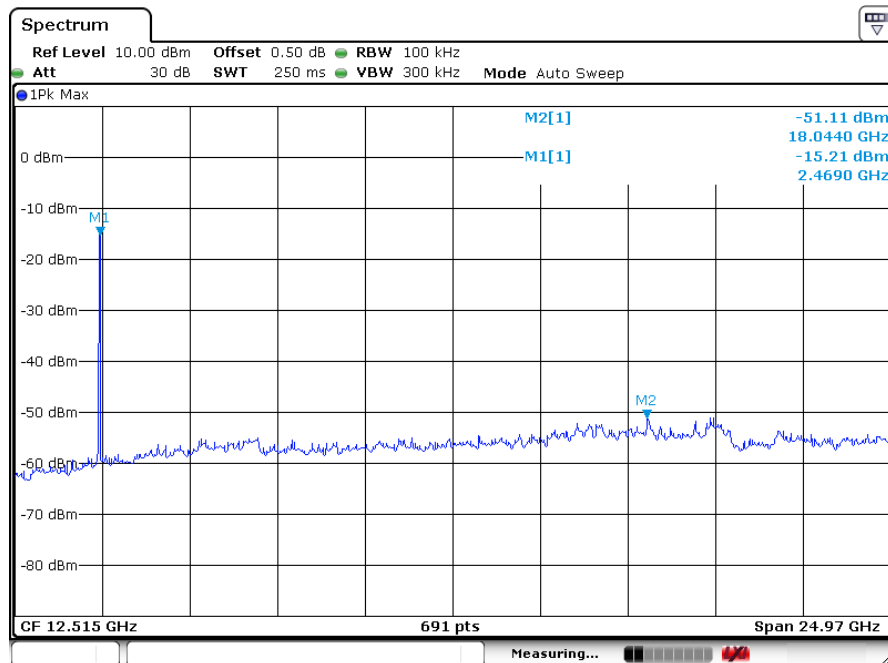
Date: 06.Jan.2015 11:02:38

TX 802.11n Channel Middle 2437MHz (40MHz)



Date: 06.Jan.2015 11:00:27

TX 802.11n Channel High 2452MHz (40MHz)



Date: 06.Jan.2015 11:03:35

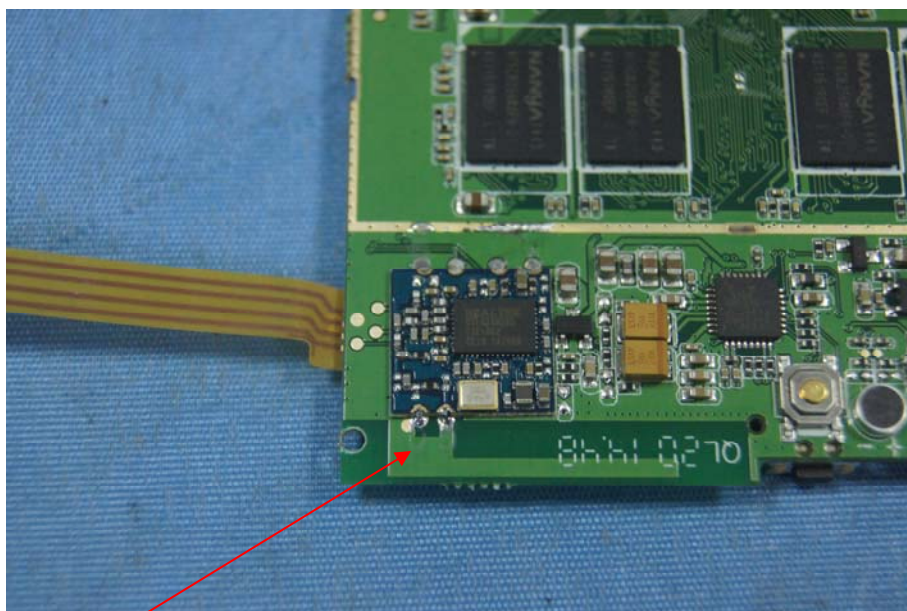
12.ANTENNA REQUIREMENT

12.1.The Requirement

According to Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

12.2.Antenna Construction

Device is equipped with permanent attached antenna, which isn't displaced by other antenna. Therefore, the equipment complies with the antenna requirement of Section 15.203.



Antenna