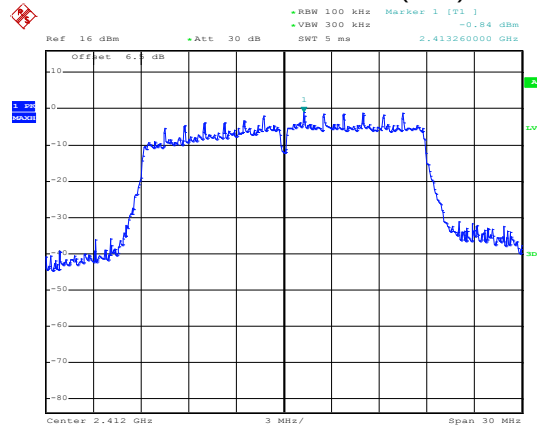
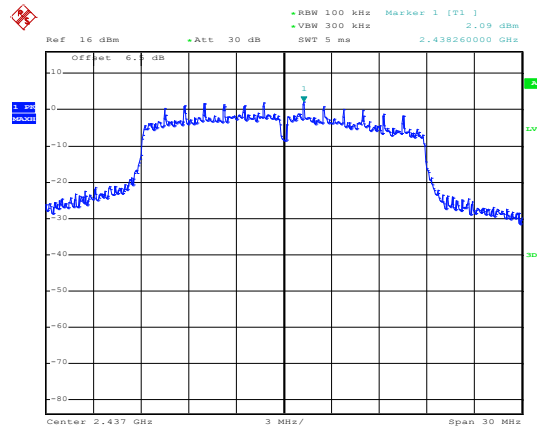


Test mode: 802.11n(H20)



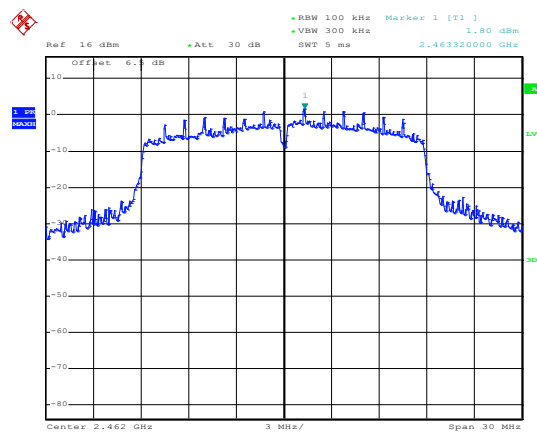
Date: 27.JUN.2017 17:00:56

Lowest channel



Date: 27.JUN.2017 17:01:14

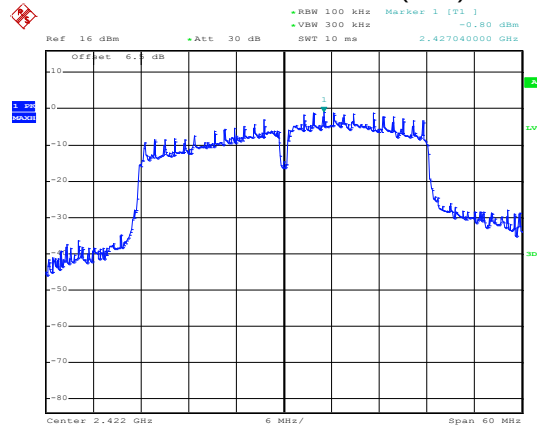
Middle channel



Date: 27.JUN.2017 17:01:31

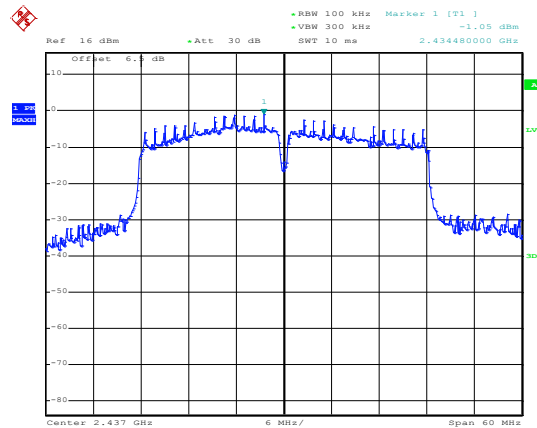
Highest channel

Test mode: 802.11n(H40)



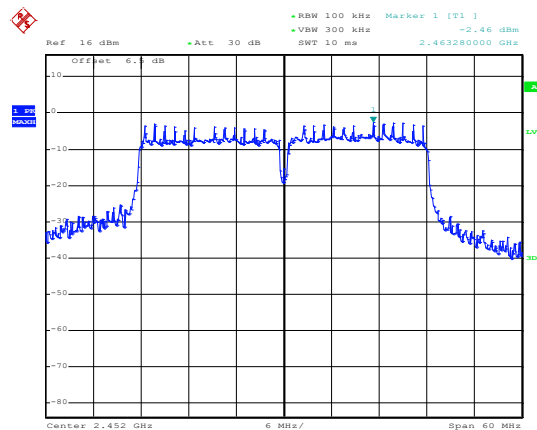
Date: 27.JUN.2017 17:02:00

Lowest channel



Date: 27.JUN.2017 17:02:17

Middle channel

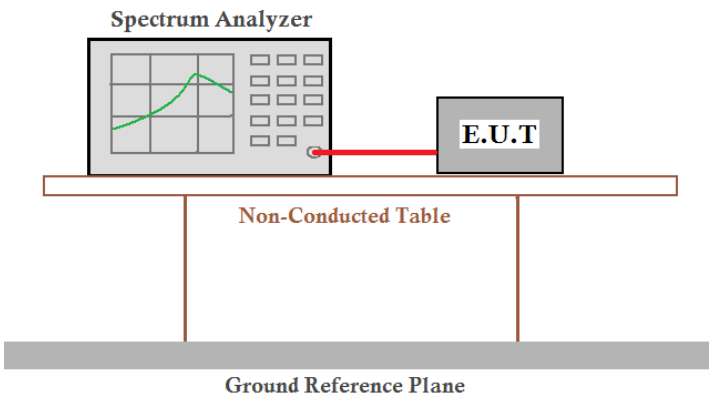


Date: 27.JUN.2017 17:02:41

Highest channel

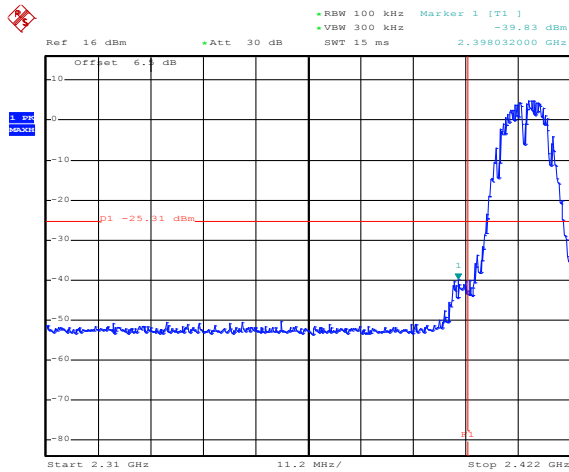
6.6 Band Edge

6.6.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v04 section 13
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 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.
Test setup:	 The diagram illustrates the test setup for conducted emission measurement. A Spectrum Analyzer is connected to an Equipment Under Test (E.U.T.) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by two vertical legs and sits on a Ground Reference Plane, which is represented by a thick grey bar at the bottom.
Test Instruments:	Refer to section 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

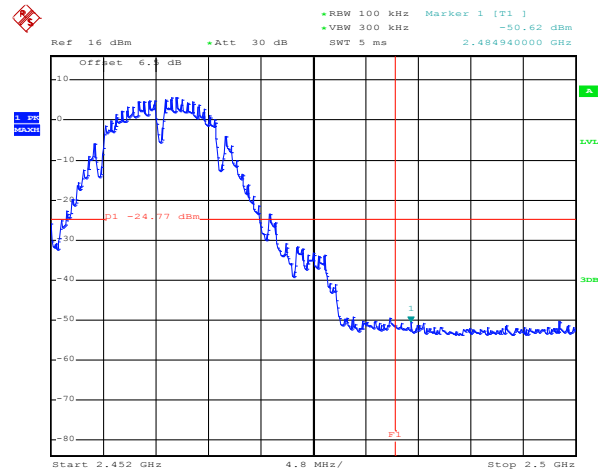
Test plot as follows:

802.11b



Date: 27.JUN.2017 17:11:29

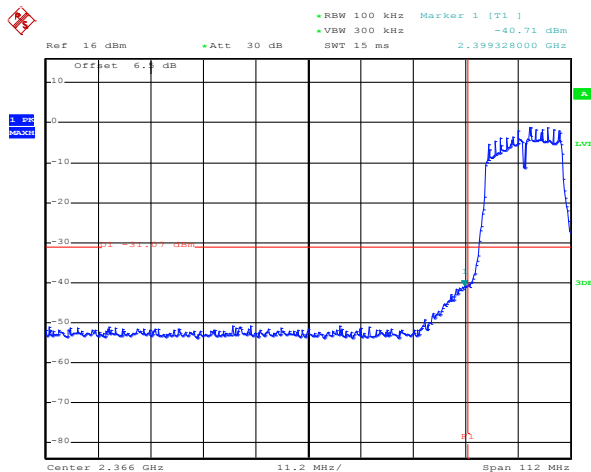
Lowest channel



Date: 27.JUN.2017 17:16:21

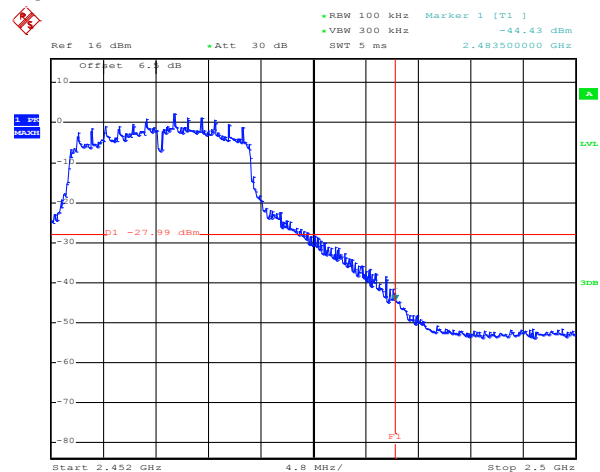
Highest channel

802.11g



Date: 27.JUN.2017 17:12:18

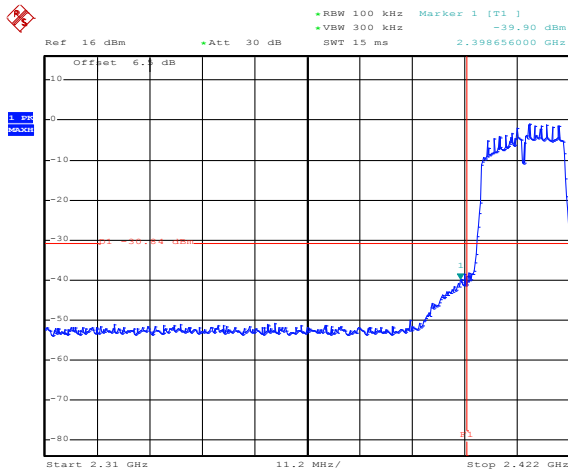
Lowest channel



Date: 27.JUN.2017 17:17:31

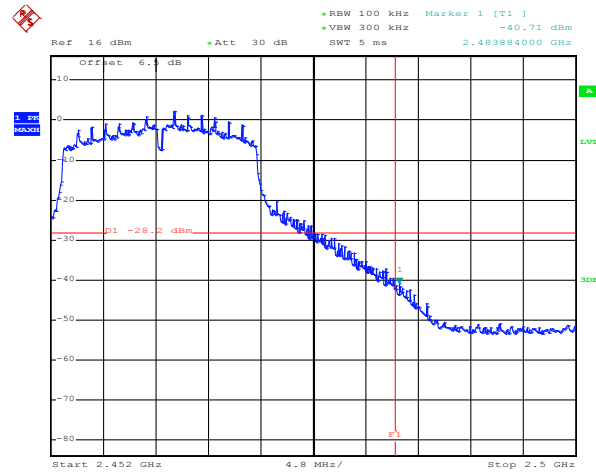
Highest channel

802.11n(H20)



Date: 27.JUN.2017 17:13:19

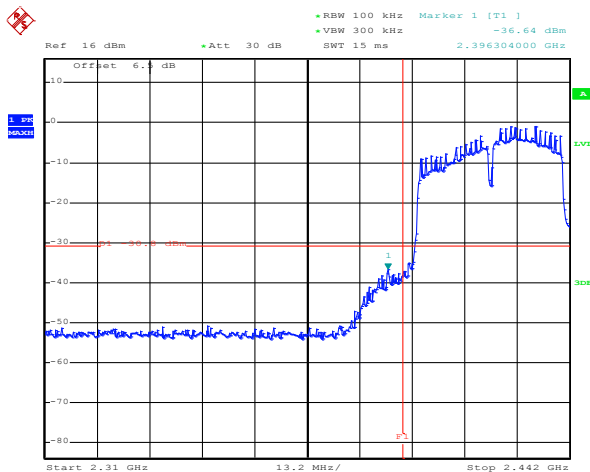
Lowest channel



Date: 27.JUN.2017 17:19:18

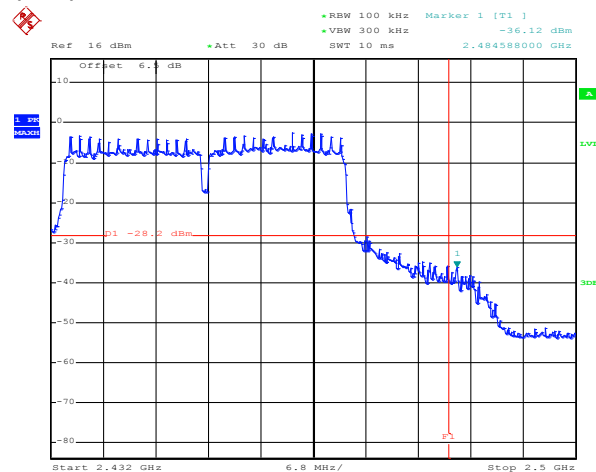
Highest channel

802.11n(H40)



Date: 27.JUN.2017 17:14:09

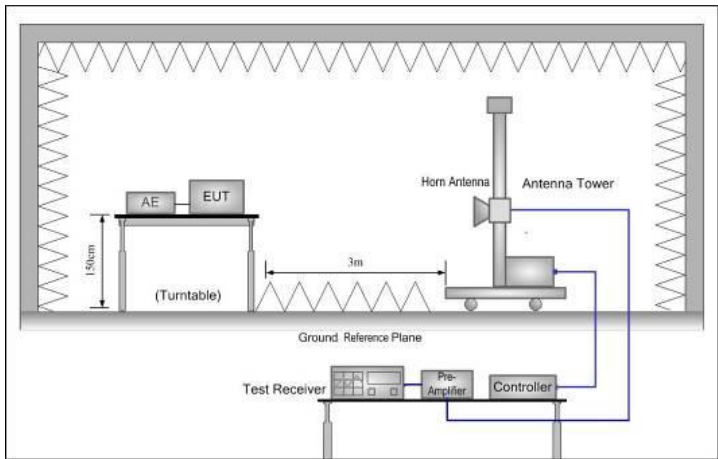
Lowest channel



Date: 27.JUN.2017 17:19:54

Highest channel

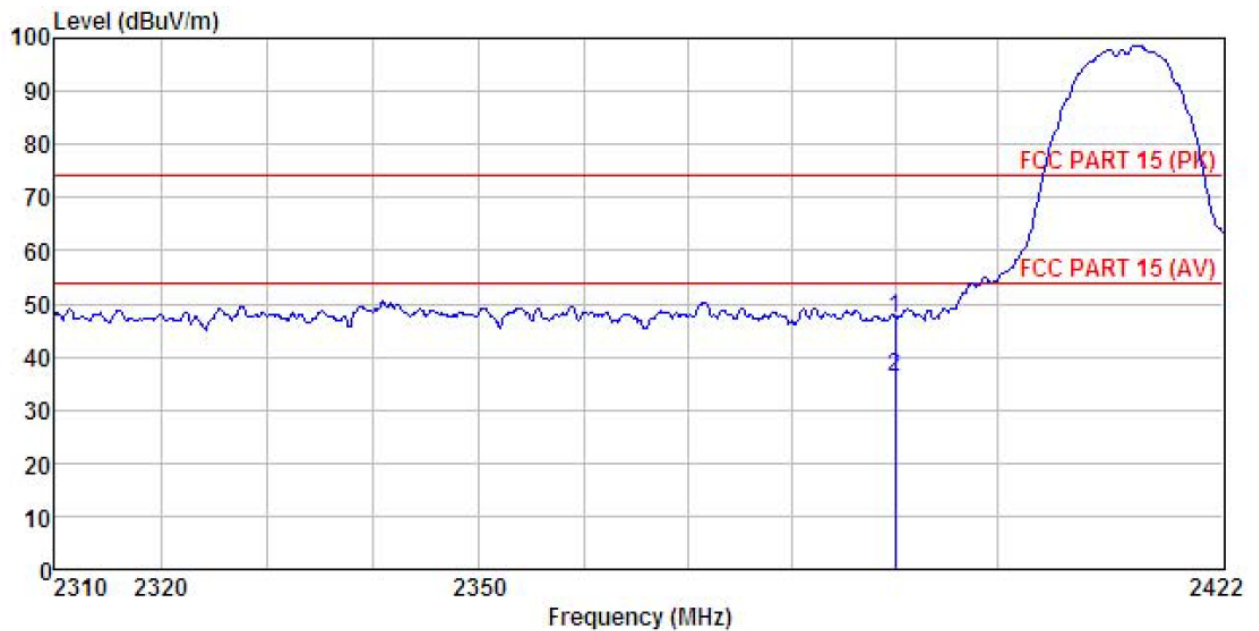
6.6.2 Radiated Emission Method

Test Requirement:	FCC Part 15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.10: 2013 and KDB558074 D01 DTS Meas Guidance v04 section 12.1				
Test Frequency Range:	2.3GHz to 2.5GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		RMS	1MHz	3MHz	Average Value
Limit:	Frequency	Limit (dBuV/m @3m)		Remark	
	Above 1GHz	54.00		Average Value	
		74.00		Peak Value	
Test Procedure:	1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.				
Test setup:					
Test Instruments:	Refer to section 5.6 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed				

802.11b

Test channel: Lowest

Horizontal:



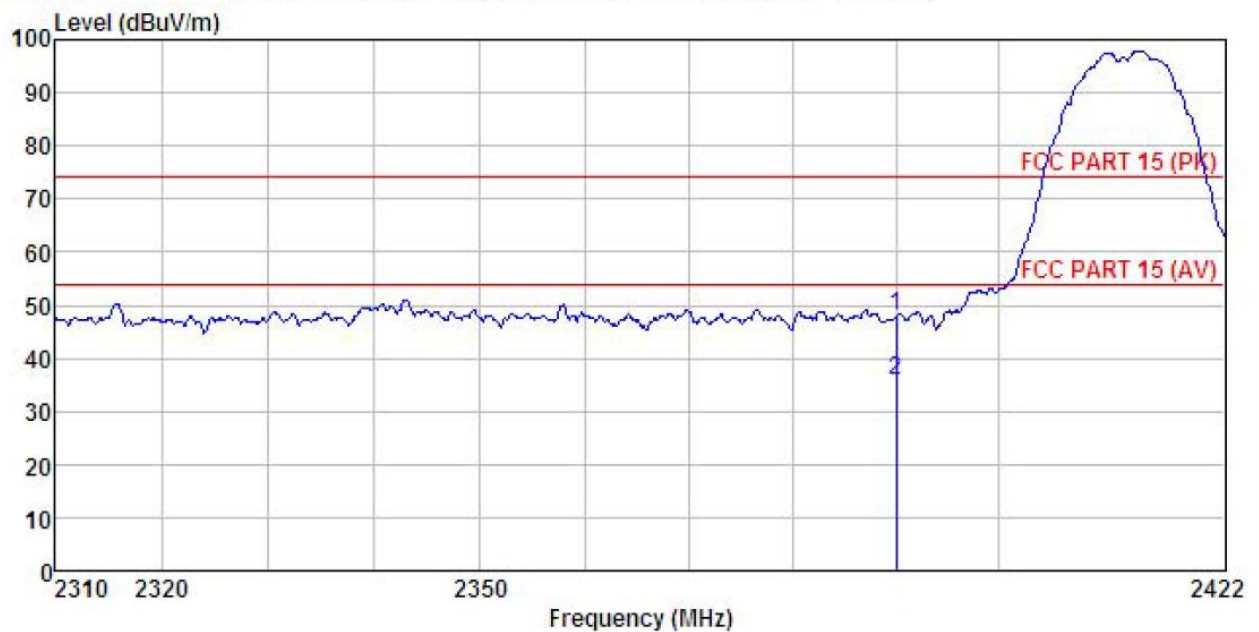
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : Ulefone MobilePhone
 Model : Armor 2
 Test mode : 802.11B-L mode
 Power Rating : AC120V / 60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: MT
 REMARK :

	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	2390.000	18.90	23.68	4.69	0.00	47.27	74.00	-26.73	Peak
2	2390.000	7.66	23.68	4.69	0.00	36.03	54.00	-17.97	Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : Ulefone MobilePhone
 Model : Armor 2
 Test mode : 802.11B-L mode
 Power Rating : AC120V / 60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: MT
 REMARK :

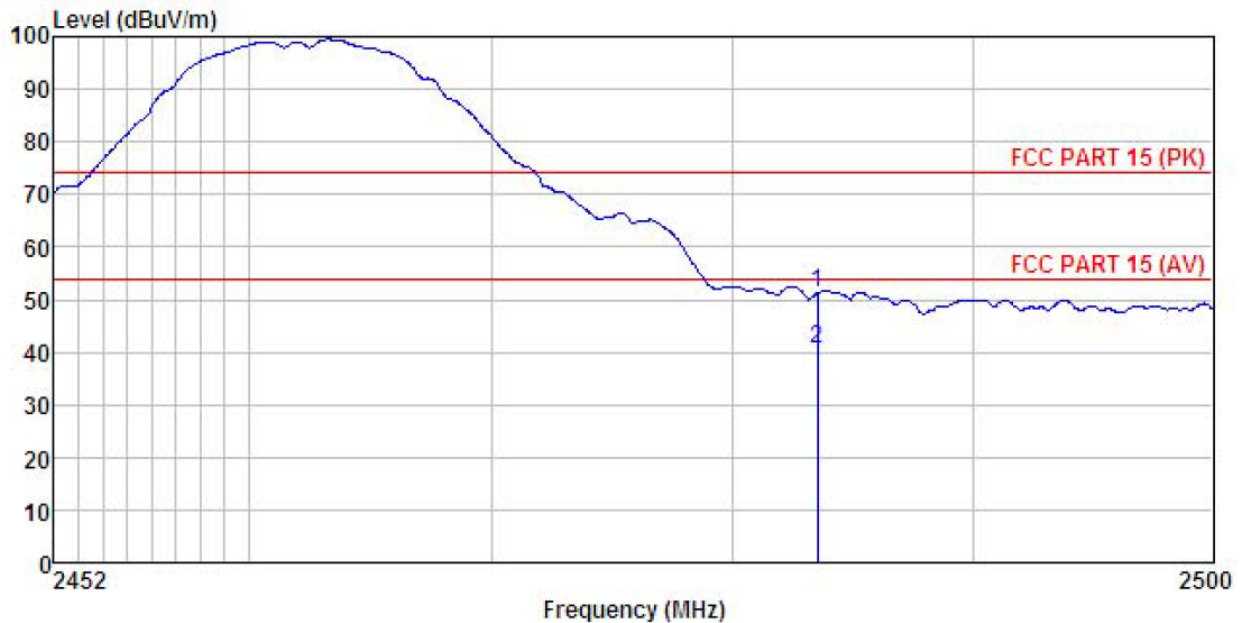
	Freq	Read	Antenna	Cable	Preamp	Level	Limit	Over	
	MHz	Level	Factor	Loss	Factor	dBuV/m	dBuV/m	Limit	Remark
		dBuV	dB/m	dB	dB			dB	
1	2390.000	19.74	23.68	4.69	0.00	48.11	74.00	-25.89	Peak
2	2390.000	7.55	23.68	4.69	0.00	35.92	54.00	-18.08	Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test channel: Highest

Horizontal:



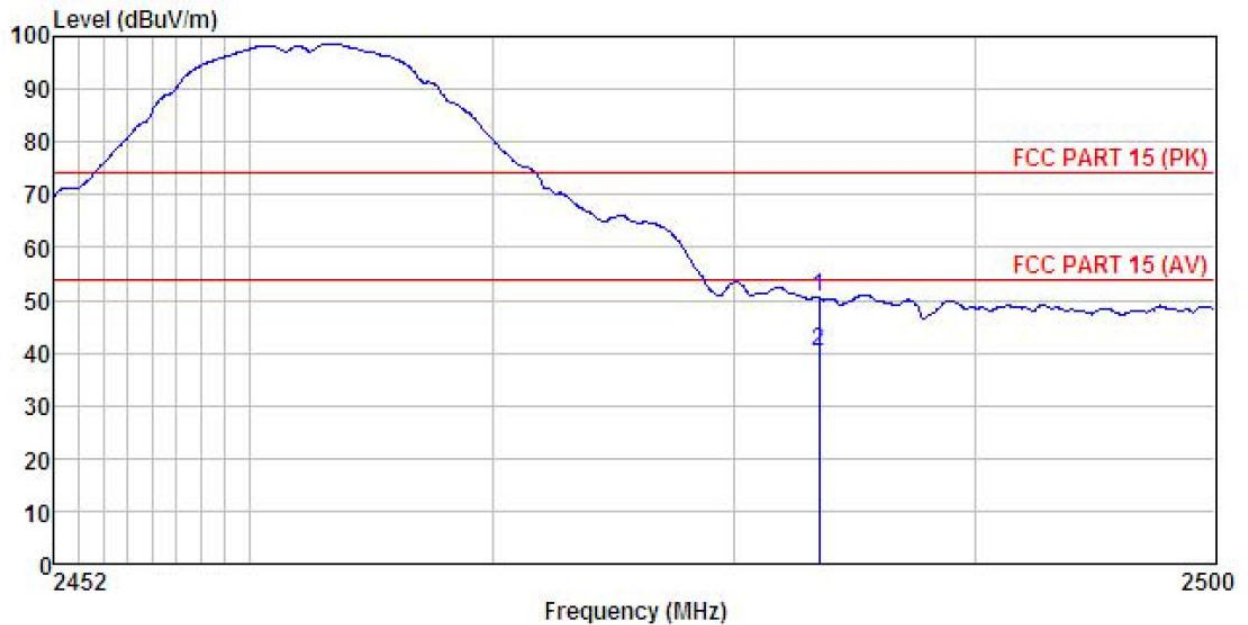
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : Ulefone MobilePhone
 Model : Armor 2
 Test mode : 802.11B-H mode
 Power Rating : AC120V / 60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: MT
 REMARK :

	Read	Antenna	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
-----	-----	-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 2483.500	22.74	23.70	4.81	0.00	51.25	74.00	-22.75	Peak
2 2483.500	11.96	23.70	4.81	0.00	40.47	54.00	-13.53	Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : Ulefone MobilePhone
 Model : Armor 2
 Test mode : 802.11B-H mode
 Power Rating : AC120V / 60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: MT
 REMARK :

	Freq	Read	Antenna	Cable	Preamp	Limit	Over	
		Level	Factor	Loss	Factor	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2483.500	21.98	23.70	4.81	0.00	50.49	74.00	-23.51 Peak
2	2483.500	11.57	23.70	4.81	0.00	40.08	54.00	-13.92 Average

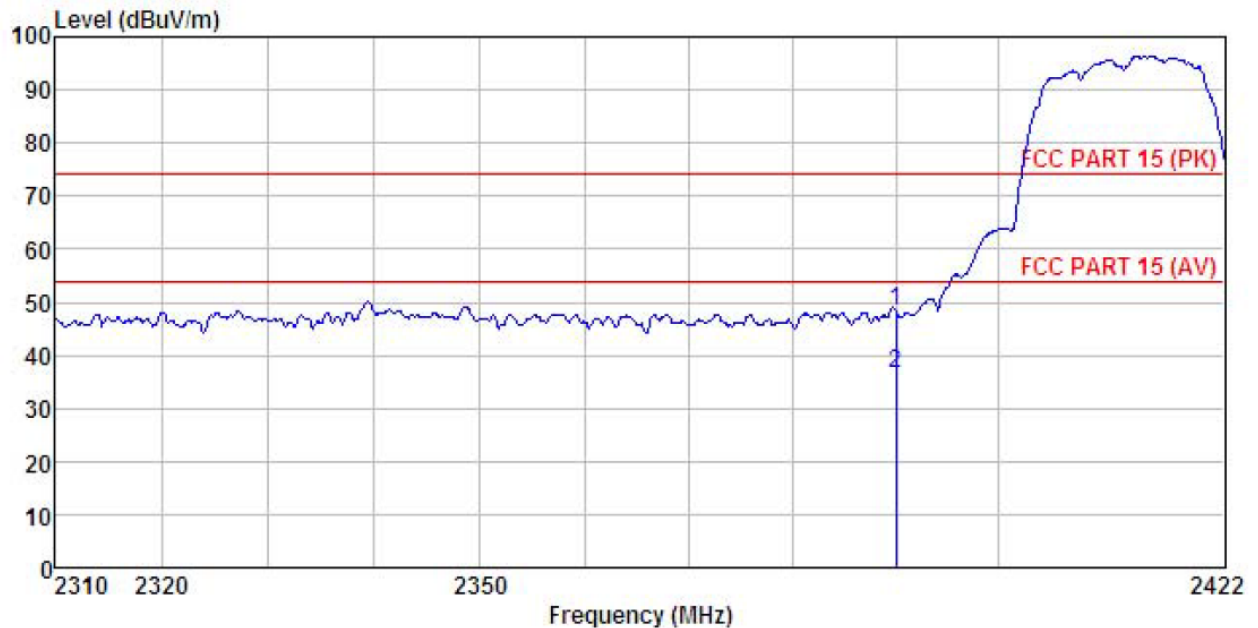
Remark:

1. Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

802.11g

Test channel: Lowest

Horizontal:



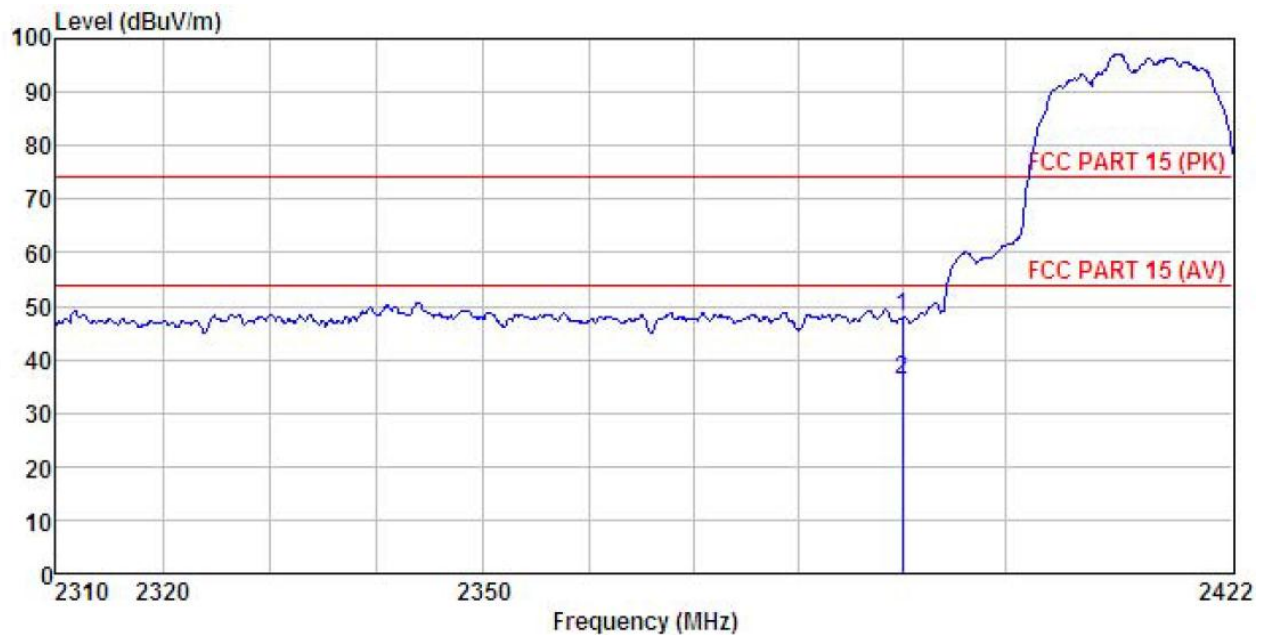
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : Ulefone MobilePhone
 Model : Armor 2
 Test mode : 802.11G-L mode
 Power Rating : AC120V / 60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: MT
 REMARK :

	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	2390.000	19.91	23.68	4.69	0.00	48.28	74.00	-25.72	Peak
2	2390.000	8.00	23.68	4.69	0.00	36.37	54.00	-17.63	Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : Ulefone MobilePhone
 Model : Armor 2
 Test mode : 802.11G-L mode
 Power Rating : AC120V / 60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: MT
 REMARK :

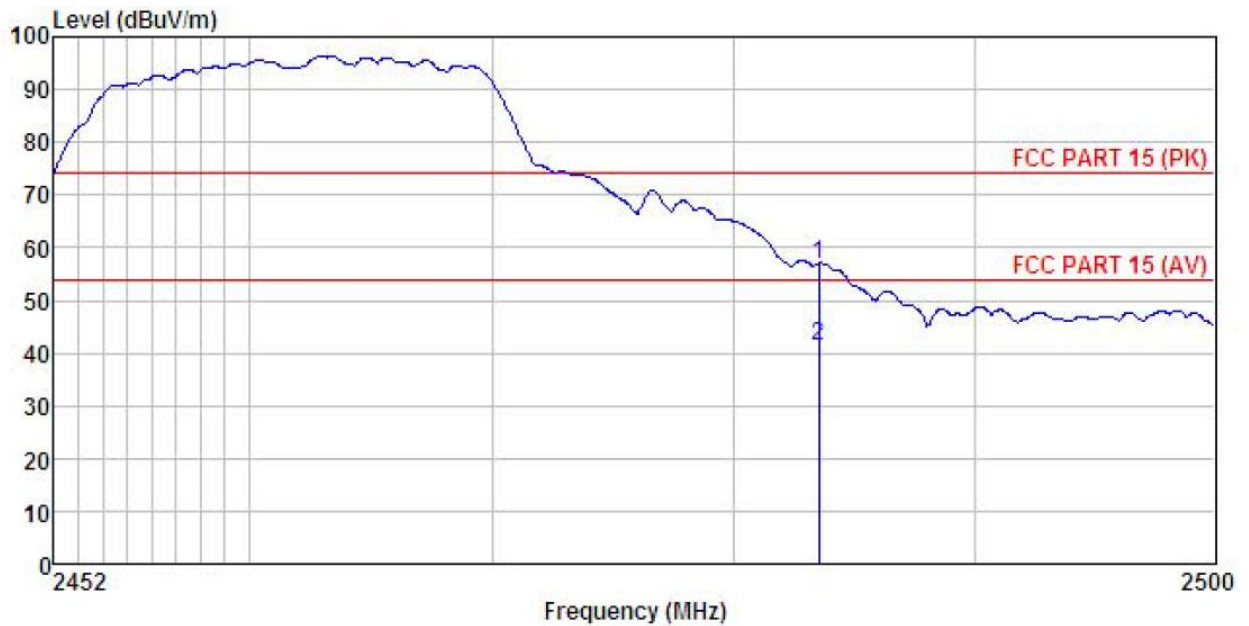
	Freq	Read	Antenna	Cable	Preamp	Level	Limit	Over	
		Level	Factor	Loss	Factor		Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2390.000	19.57	23.68	4.69	0.00	47.94	74.00	-26.06	Peak
2	2390.000	7.85	23.68	4.69	0.00	36.22	54.00	-17.78	Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test channel: Highest

Horizontal:



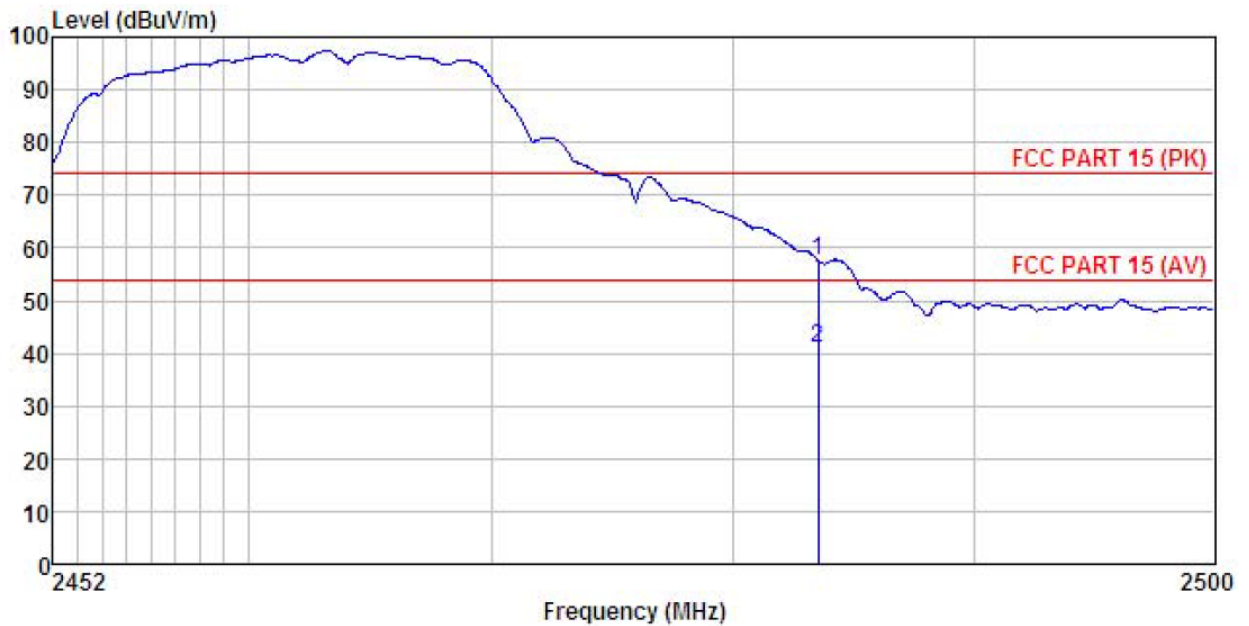
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : Ulefone MobilePhone
 Model : Armor 2
 Test mode : 802.11G-H mode
 Power Rating : AC120V / 60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: MT
 REMARK :

	Read	Antenna	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
-----	-----	-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 2483.500	28.47	23.70	4.81	0.00	56.98	74.00	-17.02	Peak
2 2483.500	12.79	23.70	4.81	0.00	41.30	54.00	-12.70	Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : Ulefone MobilePhone
 Model : Armor 2
 Test mode : 802.11G-H mode
 Power Rating : AC120V / 60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: MT
 REMARK :

		ReadAntenna	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
-----	-----	-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	28.88	23.70	4.81	0.00	57.39	74.00	-16.61 Peak
2	2483.500	12.55	23.70	4.81	0.00	41.06	54.00	-12.94 Average

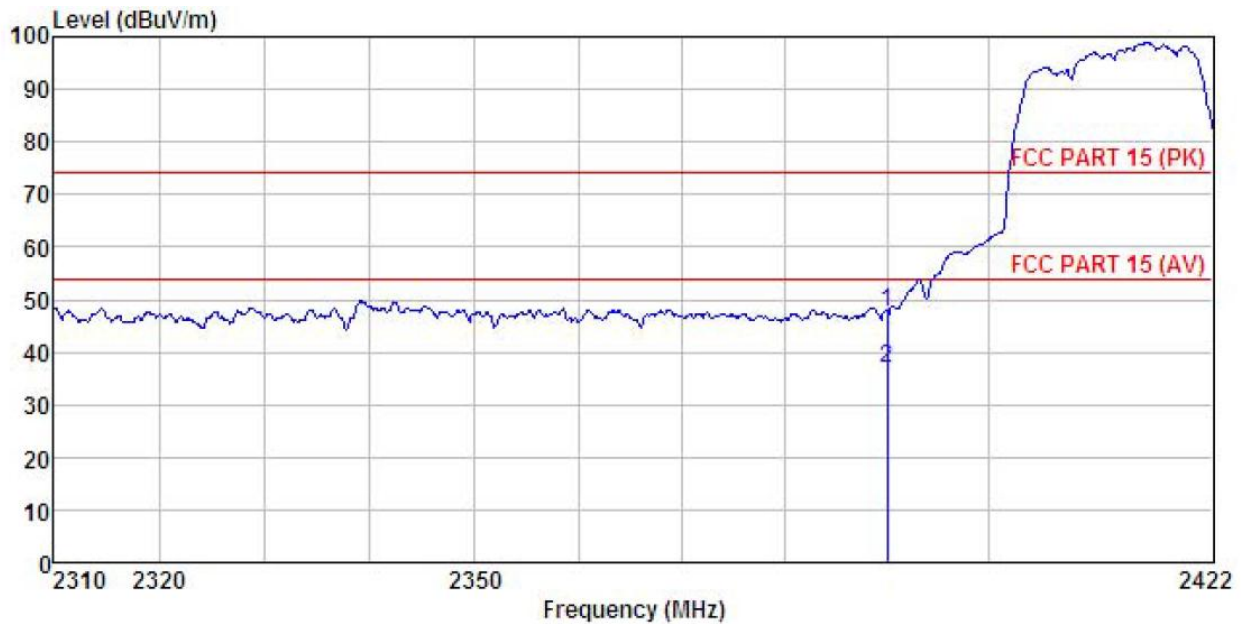
Remark:

1. Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

802.11n (H20)

Test channel: Lowest

Horizontal:



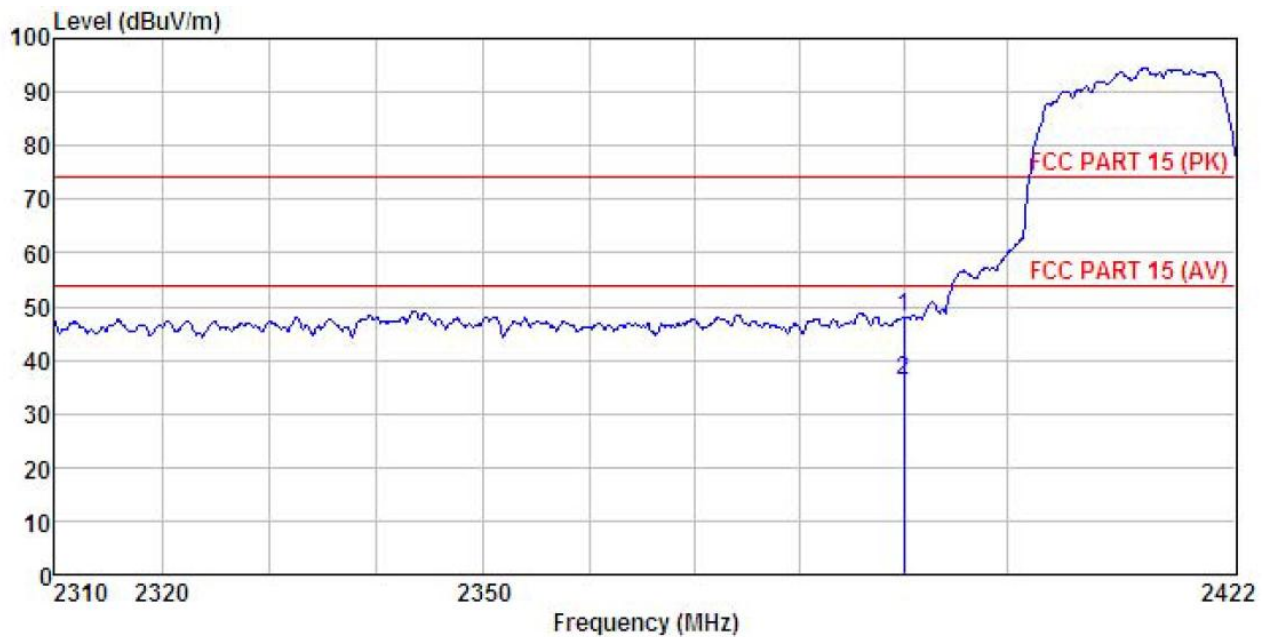
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : Ulefone MobilePhone
 Model : Armor 2
 Test mode : 802.11N20-L mode
 Power Rating : AC120V / 60Hz
 Environment : Temp:25.5'C Humi:55%
 Test Engineer: MT
 REMARK :

	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	2390.000	19.36	23.68	4.69	0.00	47.73	74.00	-26.27	Peak
2	2390.000	8.43	23.68	4.69	0.00	36.80	54.00	-17.20	Average

Remark:

1. Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : Ulefone MobilePhone
 Model : Armor 2
 Test mode : 802.11N20-L mode
 Power Rating : AC120V / 60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: MT
 REMARK :

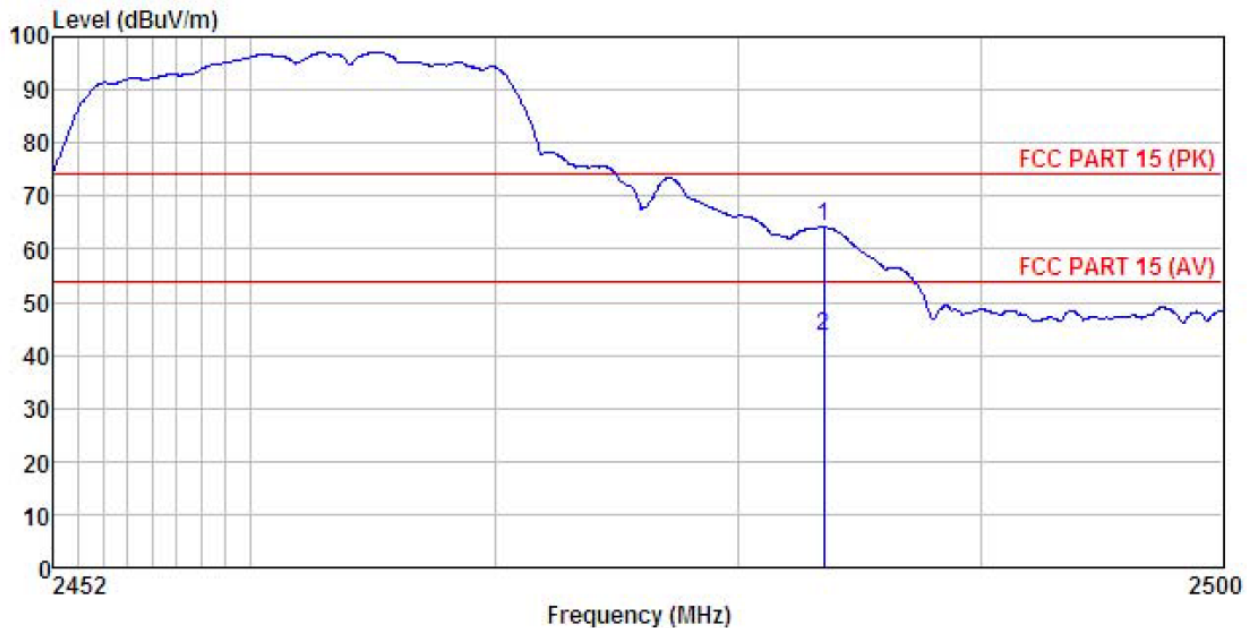
	Freq	ReadAntenna	Cable	Preamp		Limit	Over	
	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2390.000	19.65	23.68	4.69	0.00	48.02	74.00	-25.98 Peak
2	2390.000	7.94	23.68	4.69	0.00	36.31	54.00	-17.69 Average

Remark:

1. Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test channel: Highest

Horizontal:



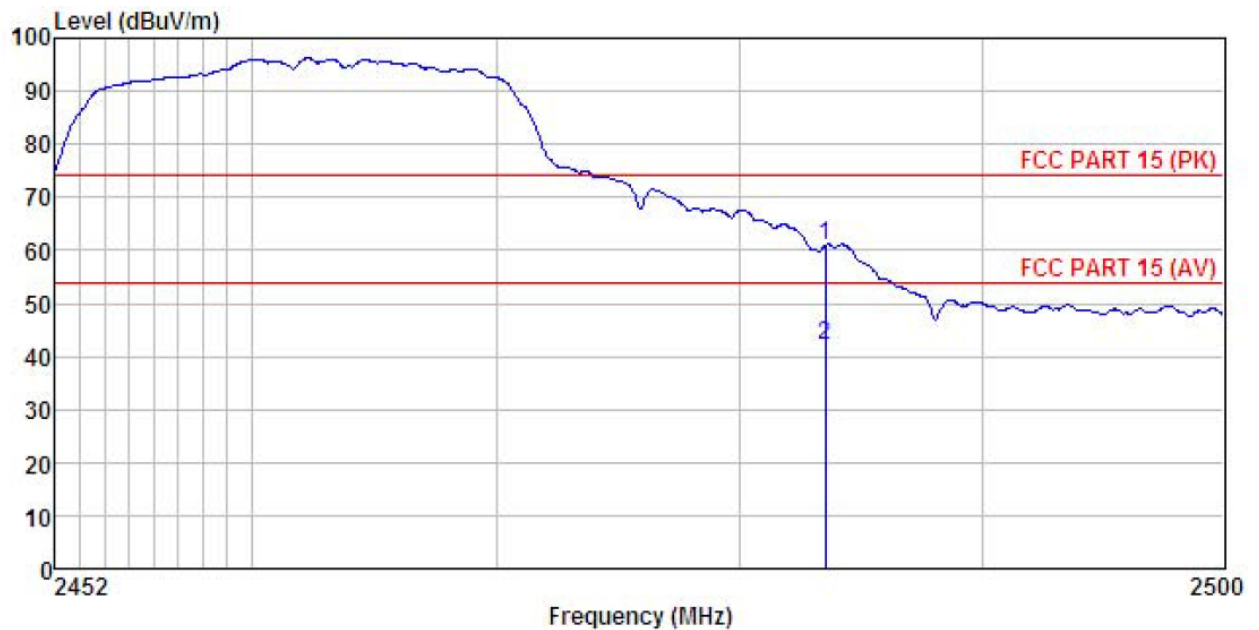
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : Ulefone MobilePhone
 Model : Armor 2
 Test mode : 802.11N20-H mode
 Power Rating : AC120V / 60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: MT
 REMARK :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamplifier Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	35.55	23.70	4.81	0.00	64.06	74.00	-9.94	Peak
2	2483.500	15.11	23.70	4.81	0.00	43.62	54.00	-10.38	Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : Ulefone MobilePhone
 Model : Armor 2
 Test mode : 802.11N20-H mode
 Power Rating : AC120V / 60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: MT
 REMARK :

		ReadAntenna	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
-----	-----	-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	32.43	23.70	4.81	0.00	60.94	74.00	-13.06 Peak
2	2483.500	13.49	23.70	4.81	0.00	42.00	54.00	-12.00 Average

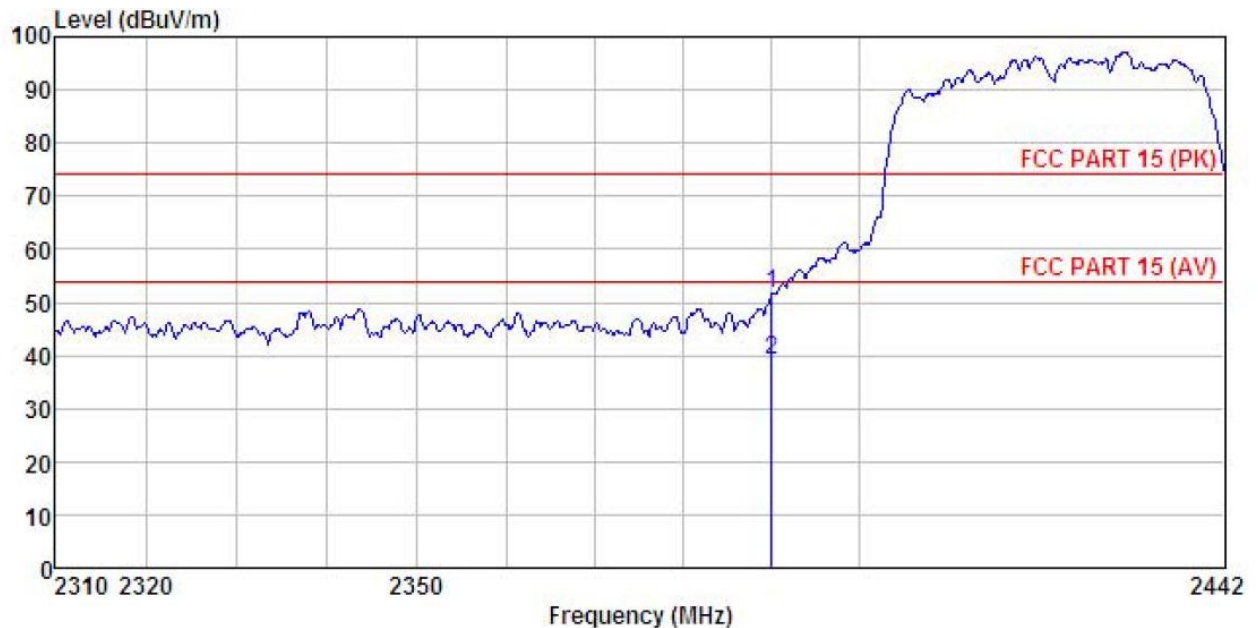
Remark:

1. Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

802.11n (H40)

Test channel: Lowest

Horizontal:



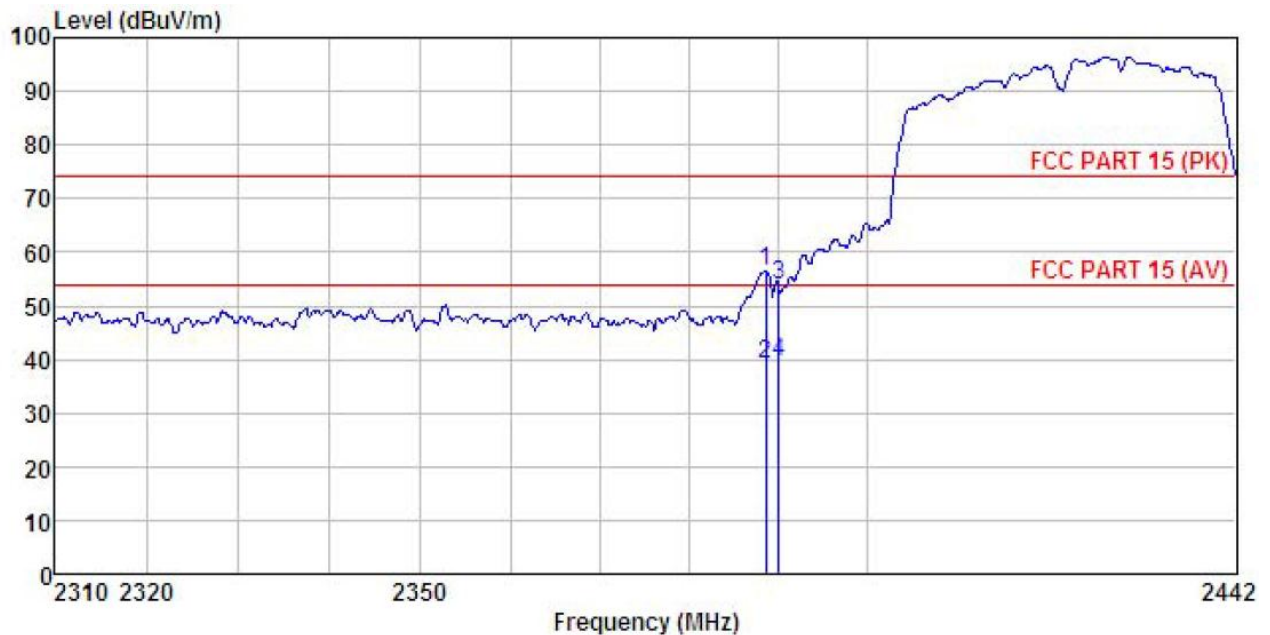
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : Ulefone MobilePhone
 Model : Armor 2
 Test mode : 802.11N40-L mode
 Power Rating : AC120V / 60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: MT
 REMARK :

	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	2390.000	23.11	23.68	4.69	0.00	51.48	74.00	-22.52	Peak
2	2390.000	10.92	23.68	4.69	0.00	39.29	54.00	-14.71	Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : Ulefone MobilePhone
 Model : Armor 2
 Test mode : 802.11N40-L mode
 Power Rating : AC120V / 60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: MT
 REMARK :

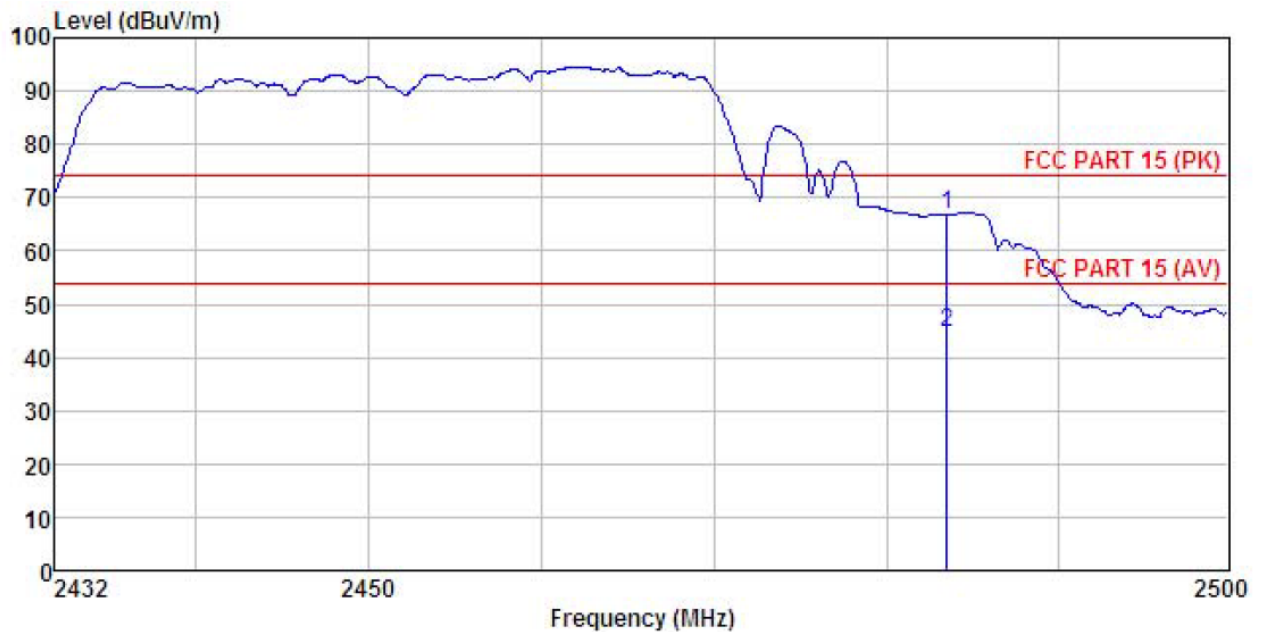
	Freq	Read	Antenna	Cable	Preamp	Level	Limit	Over	
	MHz	Level	Factor	Loss	Factor	dBuV/m	dBuV/m	Limit	Remark
		dBuV	dB/m	dB	dB			dB	
1	2388.584	28.18	23.68	4.69	0.00	56.55	74.00	-17.45	Peak
2	2388.584	10.82	23.68	4.69	0.00	39.19	54.00	-14.81	Average
3	2390.000	25.46	23.68	4.69	0.00	53.83	74.00	-20.17	Peak
4	2390.000	10.97	23.68	4.69	0.00	39.34	54.00	-14.66	Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test channel: Highest

Horizontal:



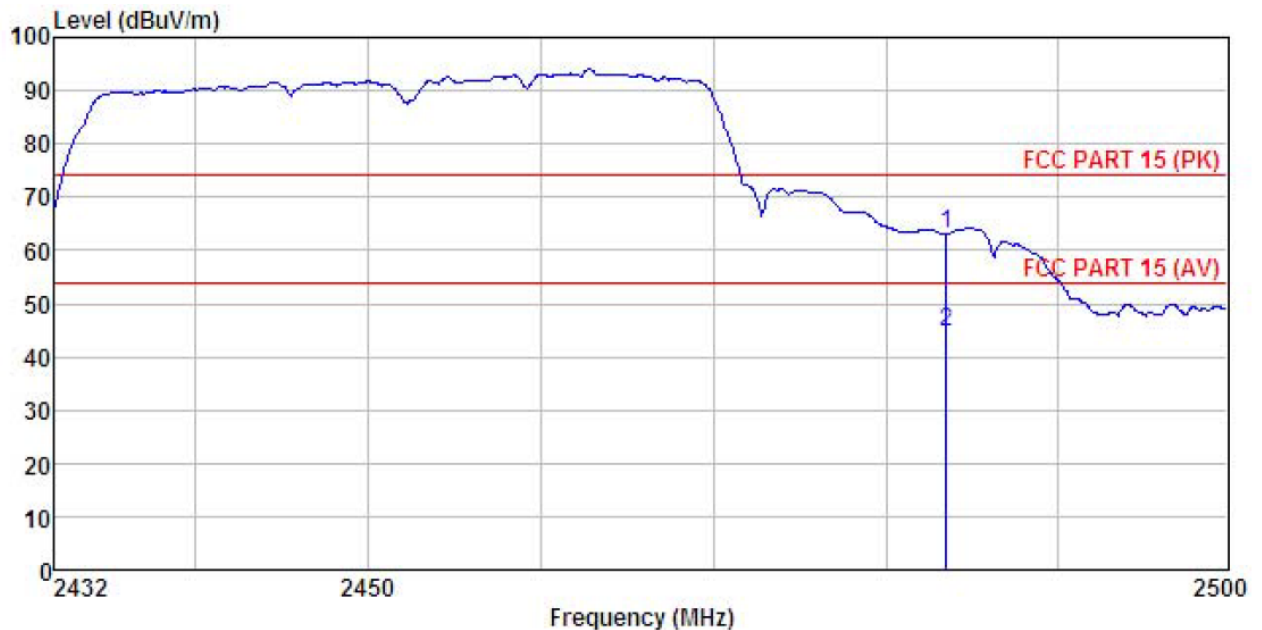
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : Ulefone MobilePhone
 Model : Armor 2
 Test mode : 802.11N40-H mode
 Power Rating : AC120V / 60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: MT
 REMARK :

	Freq	ReadAntenna	Cable	Preamp		Limit	Over	
		Level	Factor	Loss	Factor	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2483.500	38.32	23.70	4.81	0.00	66.83	74.00	-7.17 Peak
2	2483.500	16.21	23.70	4.81	0.00	44.72	54.00	-9.28 Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : Ulefone MobilePhone
 Model : Armor 2
 Test mode : 802.11N40-H mode
 Power Rating : AC120V / 60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: MT
 REMARK :

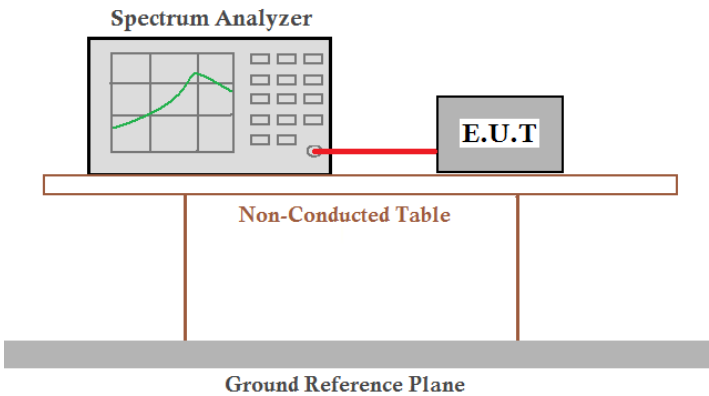
	Read	Antenna	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
-----MHz	-----dBuV	-----dB/m	-----dB	-----dB	-----dBuV/m	-----dBuV/m	-----dB	-----
1	2483.500	34.47	23.70	4.81	0.00	62.98	74.00	-11.02 Peak
2	2483.500	15.98	23.70	4.81	0.00	44.49	54.00	-9.51 Average

Remark:

1. Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

6.7 Spurious Emission

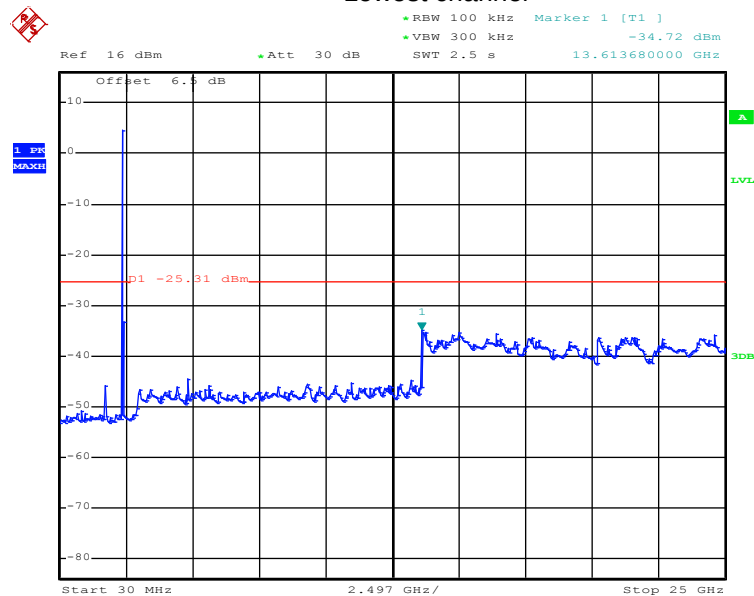
6.7.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v04 section 11
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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. 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.
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.
Test Instruments:	Refer to section 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Test plot as follows:

Test mode: 802.11b

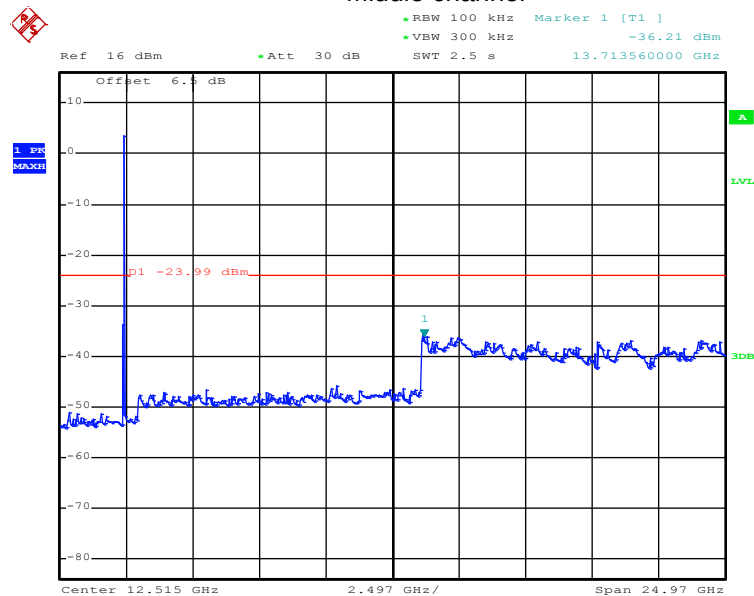
Lowest channel



Date: 27.JUN.2017 17:21:59

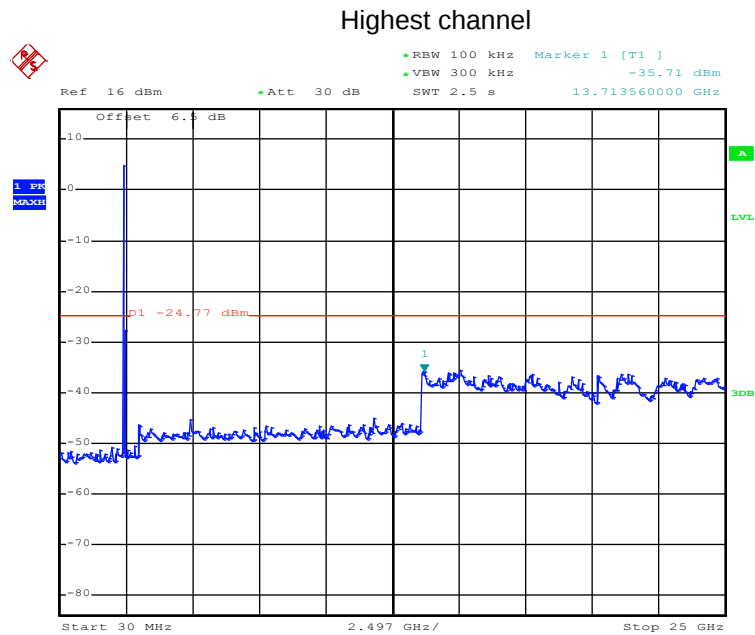
30MHz~25GHz

Middle channel



Date: 27.JUN.2017 17:22:27

30MHz~25GHz

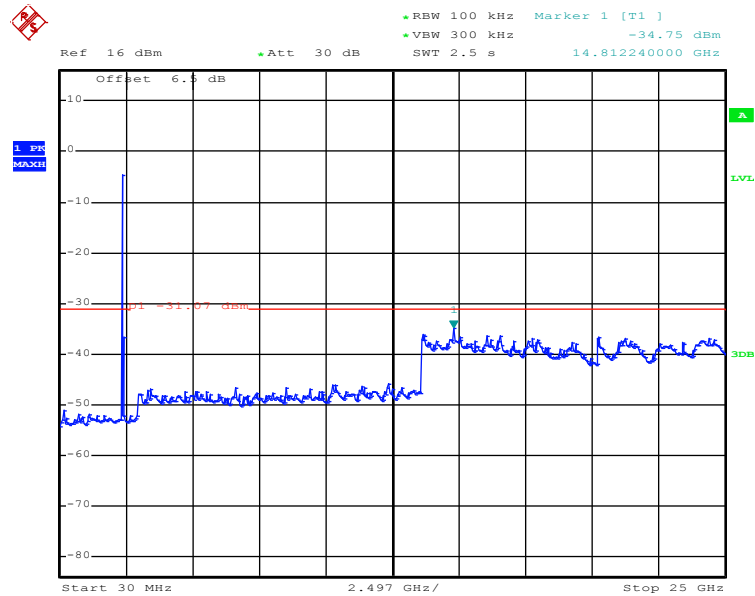


Date: 27.JUN.2017 17:23:10

30MHz~25GHz

Test mode: 802.11g

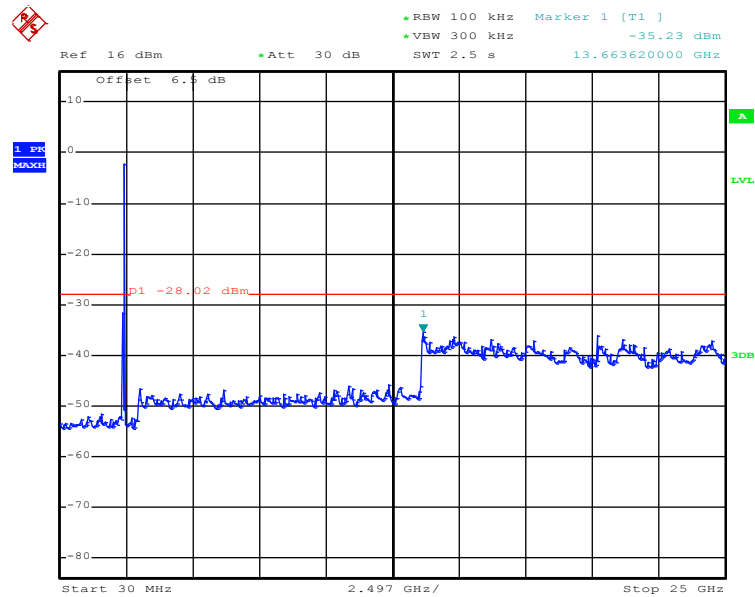
Lowest channel



Date: 27.JUN.2017 17:25:44

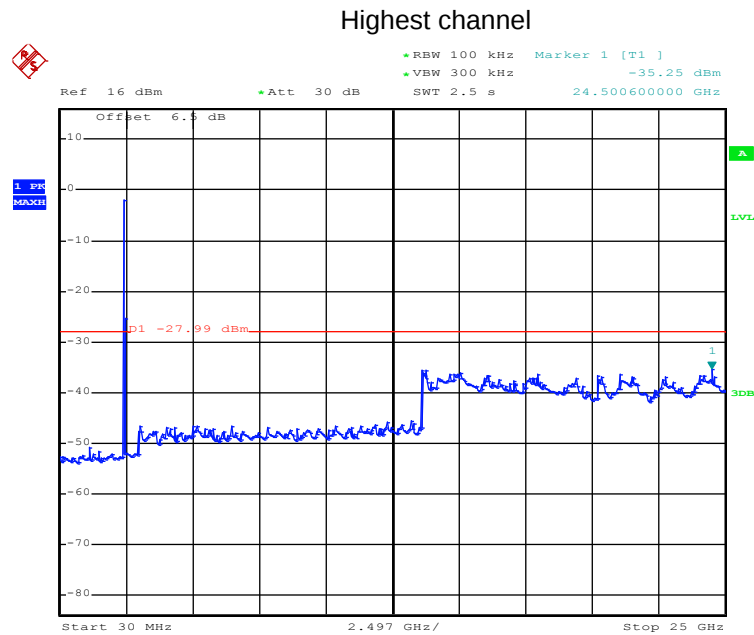
30MHz~25GHz

Middle channel



Date: 27.JUN.2017 17:25:07

30MHz~25GHz

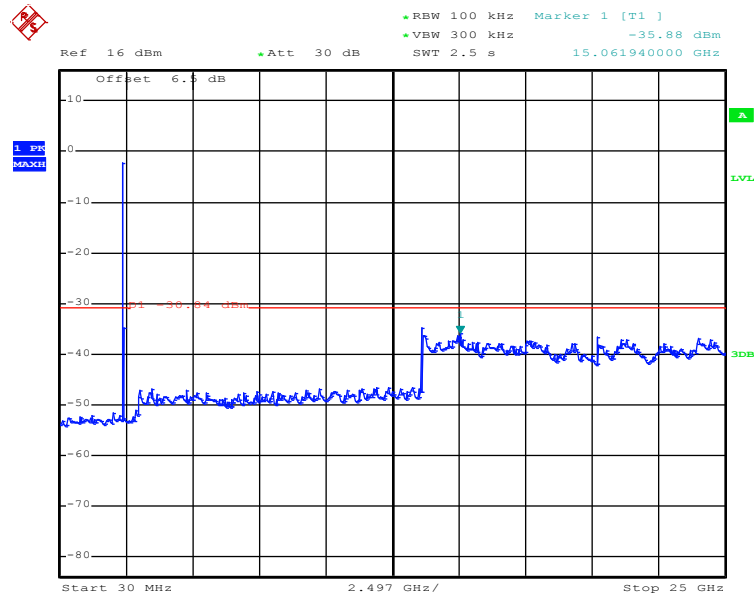


Date: 27.JUN.2017 17:26:32

30MHz~25GHz

Test mode: 802.11n(H20)

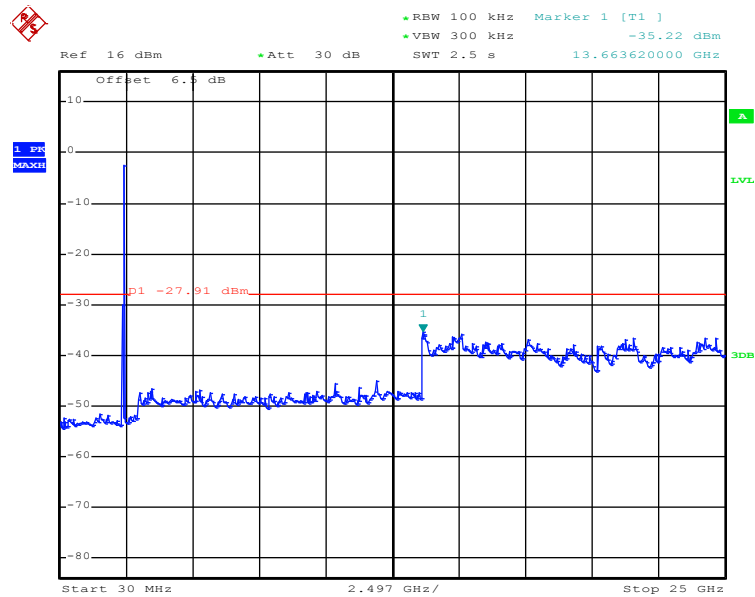
Lowest channel



Date: 27.JUN.2017 17:27:46

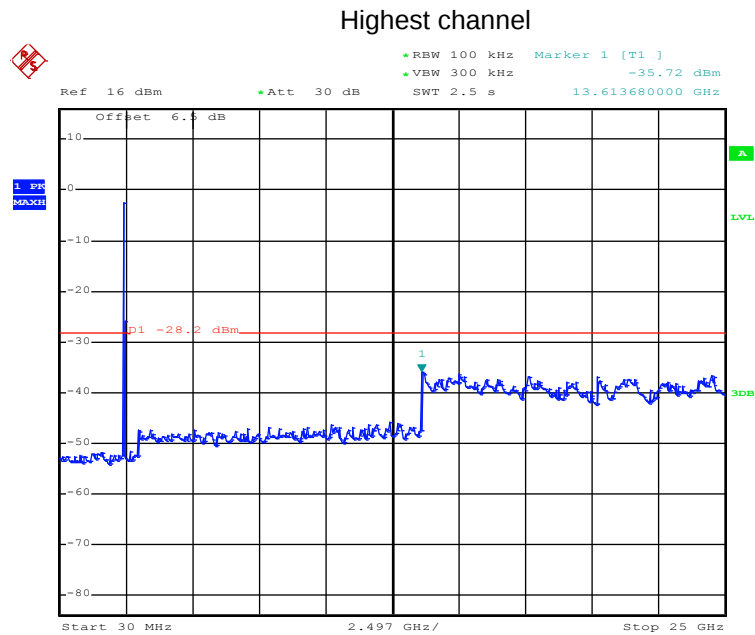
30MHz~25GHz

Middle channel



Date: 27.JUN.2017 17:29:37

30MHz~25GHz

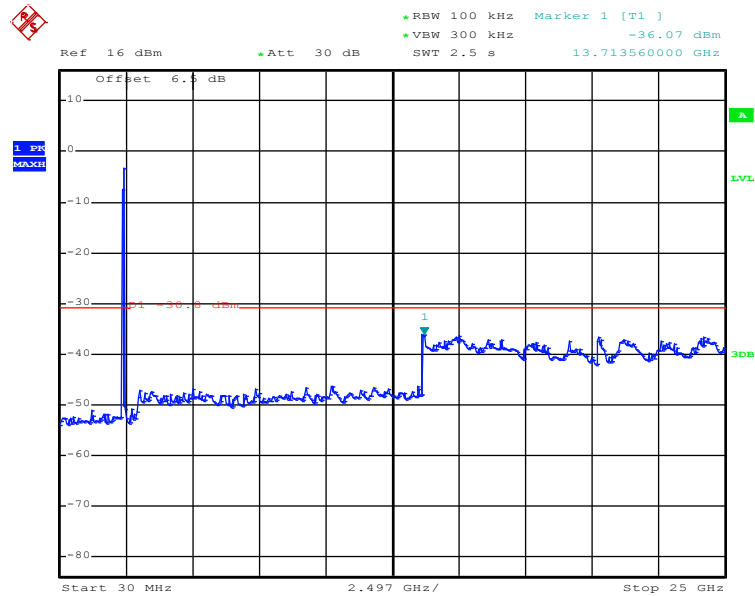


Date: 27.JUN.2017 17:30:09

30MHz~25GHz

Test mode: 802.11n(H40)

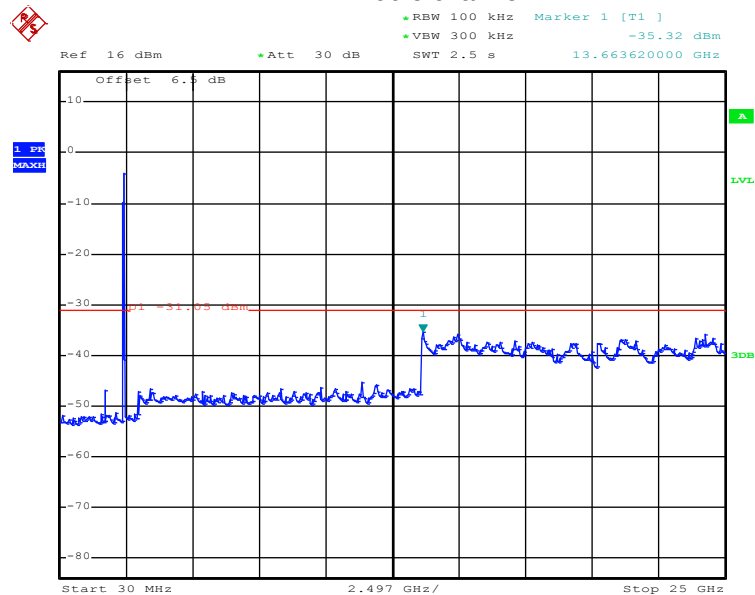
Lowest channel



Date: 27.JUN.2017 17:30:44

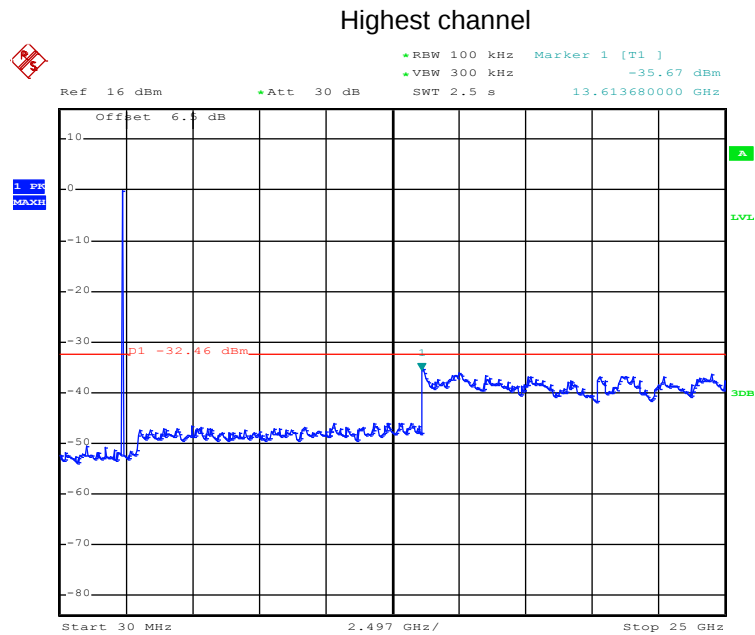
30MHz~25GHz

Middle channel



Date: 27.JUN.2017 17:31:22

30MHz~25GHz

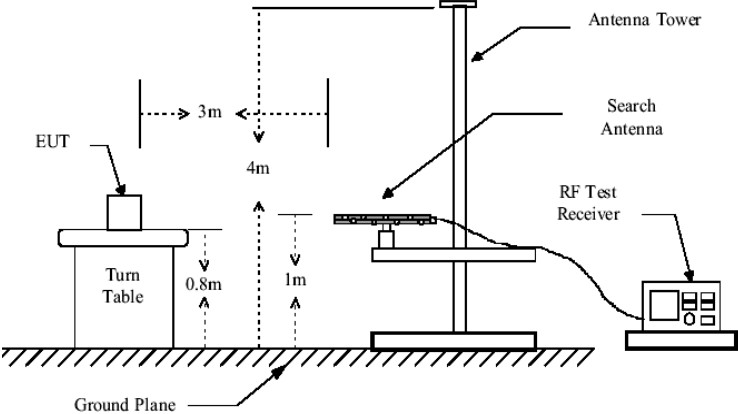
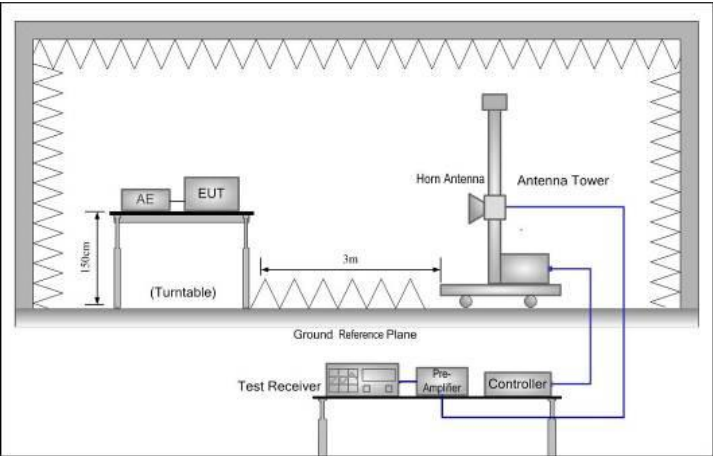


Date: 27.JUN.2017 17:34:29

30MHz~25GHz

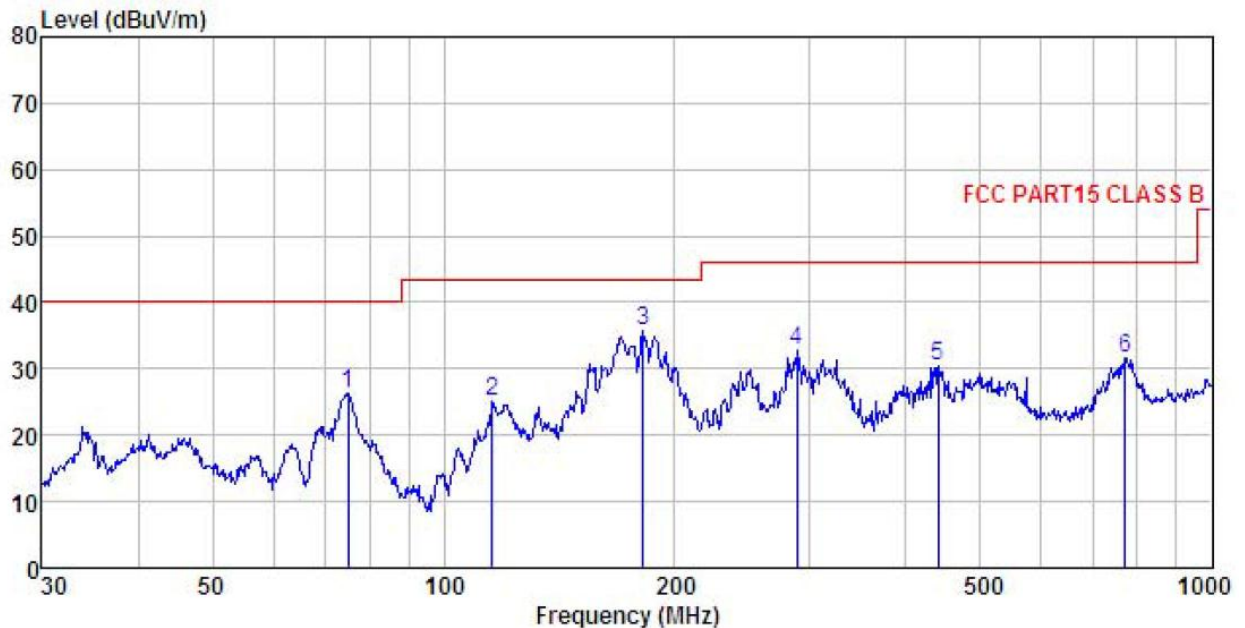
6.7.2 Radiated Emission Method

Test Requirement:	FCC Part 15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.10:2013				
Test Frequency Range:	9kHz to 25GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		RMS	1MHz	3MHz	Average Value
Limit:	Frequency		Limit (dBuV/m @3m)		Remark
	30MHz-88MHz		40.0		Quasi-peak Value
	88MHz-216MHz		43.5		Quasi-peak Value
	216MHz-960MHz		46.0		Quasi-peak Value
	960MHz-1GHz		54.0		Quasi-peak Value
	Above 1GHz		54.0		Average Value
			74.0		Peak Value
Test Procedure:	1. The EUT was placed on the top of a rotating table 0.8m(below 1GHz)/1.5m(above 1GHz) above the ground at a 3 meter chamber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.				

Test setup:	Below 1GHz  Above 1GHz 
Test Instruments:	Refer to section 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case. 2. 9 kHz to 30MHz is too low, so only shows the data of above 30MHz in this report.

Below 1GHz

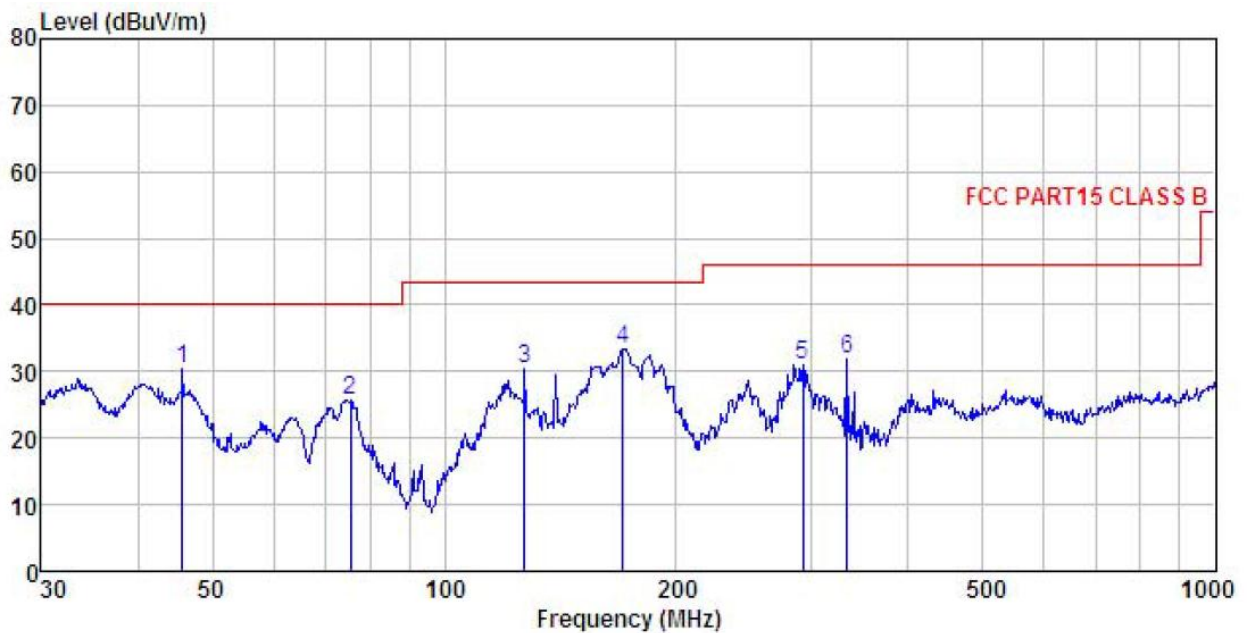
Horizontal:



Site : 3m chamber
 Condition : FCC PART15 CLASS B 3m VULB9163(30M3G) HORIZONTAL
 EUT : Ulefone MobilePhone
 Model : Armor 2
 Test mode : Wifi mode
 Power Rating : AC120V / 60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: MT
 REMARK :

	Freq	Read	Antenna	Cable	Preamp	Level	Limit	Over	
	MHz	Level	Factor	Loss	Factor	dBuV/m	dBuV/m	Limit	Remark
		dBuV	dB/m	dB	dB			dB	
1	75.182	48.05	6.30	1.63	29.68	26.30	40.00	-13.70	QP
2	115.726	41.08	11.17	2.12	29.42	24.95	43.50	-18.55	QP
3	181.920	52.72	9.28	2.74	28.96	35.78	43.50	-7.72	QP
4	287.990	46.02	12.27	2.91	28.47	32.73	46.00	-13.27	QP
5	440.196	39.80	16.14	3.18	28.85	30.27	46.00	-15.73	QP
6	771.449	35.23	20.49	4.36	28.36	31.72	46.00	-14.28	QP

Vertical:



Site : 3m chamber
 Condition : FCC PART15 CLASS B 3m VULB9163(30M3G) VERTICAL
 EUT : Ulefone MobilePhone
 Model : Armor 2
 Test mode : Wifi mode
 Power Rating : AC120V / 60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: MT
 REMARK :

	Freq	ReadAntenna	Cable Preamp		Limit	Over	
	Level	Factor	Loss	Factor	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m
1	45.695	41.64	17.28	1.29	29.85	30.36	40.00
2	75.446	47.45	6.31	1.63	29.68	25.71	40.00
3	127.218	45.28	12.18	2.25	29.35	30.36	43.50
4	170.195	50.03	9.80	2.66	29.05	33.44	43.50
5	292.058	44.26	12.36	2.92	28.46	31.08	46.00
6	332.519	43.67	13.63	3.04	28.52	31.82	46.00

Above 1GHz

Test mode: 802.11b			Test channel: Lowest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	50.27	36.06	6.81	41.82	51.32	74.00	-22.68	Vertical
4824.00	47.87	36.06	6.81	41.82	48.92	74.00	-25.08	Horizontal
Test mode: 802.11b			Test channel: Lowest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	41.56	36.06	6.81	41.82	42.61	54.00	-11.39	Vertical
4824.00	38.59	36.06	6.81	41.82	39.64	54.00	-14.36	Horizontal

Test mode: 802.11b			Test channel: Middle			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	50.92	36.32	6.85	41.84	52.25	74.00	-21.75	Vertical
4874.00	48.80	36.32	6.85	41.84	50.13	74.00	-23.87	Horizontal
Test mode: 802.11b			Test channel: Middle			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	42.03	36.32	6.85	41.84	43.36	54.00	-10.64	Vertical
4874.00	39.56	36.32	6.85	41.84	40.89	54.00	-13.11	Horizontal

Test mode: 802.11b			Test channel: Highest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4924.00	49.98	36.58	6.89	41.86	51.59	74.00	-22.41	Vertical
4924.00	49.01	36.58	6.89	41.86	50.62	74.00	-23.38	Horizontal
Test mode: 802.11b			Test channel: Highest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4924.00	40.25	36.58	6.89	41.86	41.86	54.00	-12.14	Vertical
4924.00	40.16	36.58	6.89	41.86	41.77	54.00	-12.23	Horizontal

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test mode: 802.11g			Test channel: Lowest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	50.13	36.06	6.81	41.82	51.18	74.00	-22.82	Vertical
4824.00	46.69	36.06	6.81	41.82	47.74	74.00	-26.26	Horizontal
Test mode: 802.11g			Test channel: Lowest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	41.03	36.06	6.81	41.82	42.08	54.00	-11.92	Vertical
4824.00	37.62	36.06	6.81	41.82	38.67	54.00	-15.33	Horizontal

Test mode: 802.11g			Test channel: Middle			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	49.69	36.32	6.85	41.84	51.02	74.00	-22.98	Vertical
4874.00	48.63	36.32	6.85	41.84	49.96	74.00	-24.04	Horizontal
Test mode: 802.11g			Test channel: Middle			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	39.25	36.32	6.85	41.84	40.58	54.00	-13.42	Vertical
4874.00	39.01	36.32	6.85	41.84	40.34	54.00	-13.66	Horizontal

Test mode: 802.11g			Test channel: Highest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4924.00	49.36	36.58	6.89	41.86	50.97	74.00	-23.03	Vertical
4924.00	48.15	36.58	6.89	41.86	49.76	74.00	-24.24	Horizontal
Test mode: 802.11g			Test channel: Highest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4924.00	38.15	36.58	6.89	41.86	39.76	54.00	-14.24	Vertical
4924.00	39.03	36.58	6.89	41.86	40.64	54.00	-13.36	Horizontal

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test mode: 802.11n(H20)			Test channel: Lowest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	49.68	36.06	6.81	41.82	50.73	74.00	-23.27	Vertical
4824.00	47.03	36.06	6.81	41.82	48.08	74.00	-25.92	Horizontal
Test mode: 802.11n(H20)			Test channel: Lowest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	40.25	36.06	6.81	41.82	41.30	54.00	-12.70	Vertical
4824.00	39.26	36.06	6.81	41.82	40.31	54.00	-13.69	Horizontal

Test mode: 802.11n(H20)			Test channel: Middle			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	50.01	36.32	6.85	41.84	51.34	74.00	-22.66	Vertical
4874.00	48.13	36.32	6.85	41.84	49.46	74.00	-24.54	Horizontal
Test mode: 802.11n(H20)			Test channel: Middle			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	41.12	36.32	6.85	41.84	42.45	54.00	-11.55	Vertical
4874.00	37.45	36.32	6.85	41.84	38.78	54.00	-15.22	Horizontal

Test mode: 802.11n(H20)			Test channel: Highest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4924.00	48.63	36.58	6.89	41.86	50.24	74.00	-23.76	Vertical
4924.00	49.03	36.58	6.89	41.86	50.64	74.00	-23.36	Horizontal
Test mode: 802.11n(H20)			Test channel: Highest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4924.00	38.17	36.58	6.89	41.86	39.78	54.00	-14.22	Vertical
4924.00	39.36	36.58	6.89	41.86	40.97	54.00	-13.03	Horizontal

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test mode: 802.11n(H40)			Test channel: Lowest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4844.00	49.53	36.06	6.81	41.82	50.58	74.00	-23.42	Vertical
4844.00	47.12	36.06	6.81	41.82	48.17	74.00	-25.83	Horizontal
Test mode: 802.11n(H40)			Test channel: Lowest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4844.00	40.11	36.06	6.81	41.82	41.16	54.00	-12.84	Vertical
4844.00	38.26	36.06	6.81	41.82	39.31	54.00	-14.69	Horizontal

Test mode: 802.11n(H40)			Test channel: Middle			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	49.69	36.32	6.85	41.84	51.02	74.00	-22.98	Vertical
4874.00	48.15	36.32	6.85	41.84	49.48	74.00	-24.52	Horizontal
Test mode: 802.11n(H40)			Test channel: Middle			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	39.75	36.32	6.85	41.84	41.08	54.00	-12.92	Vertical
4874.00	38.15	36.32	6.85	41.84	39.48	54.00	-14.52	Horizontal

Test mode: 802.11n(H40)			Test channel: Highest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4904.00	49.03	36.45	6.87	41.85	50.50	74.00	-23.50	Vertical
4904.00	48.73	36.45	6.87	41.85	50.20	74.00	-23.80	Horizontal
Test mode: 802.11n(H40)			Test channel: Highest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4904.00	39.02	36.45	6.87	41.85	40.49	54.00	-13.51	Vertical
4904.00	38.15	36.45	6.87	41.85	39.62	54.00	-14.38	Horizontal

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.