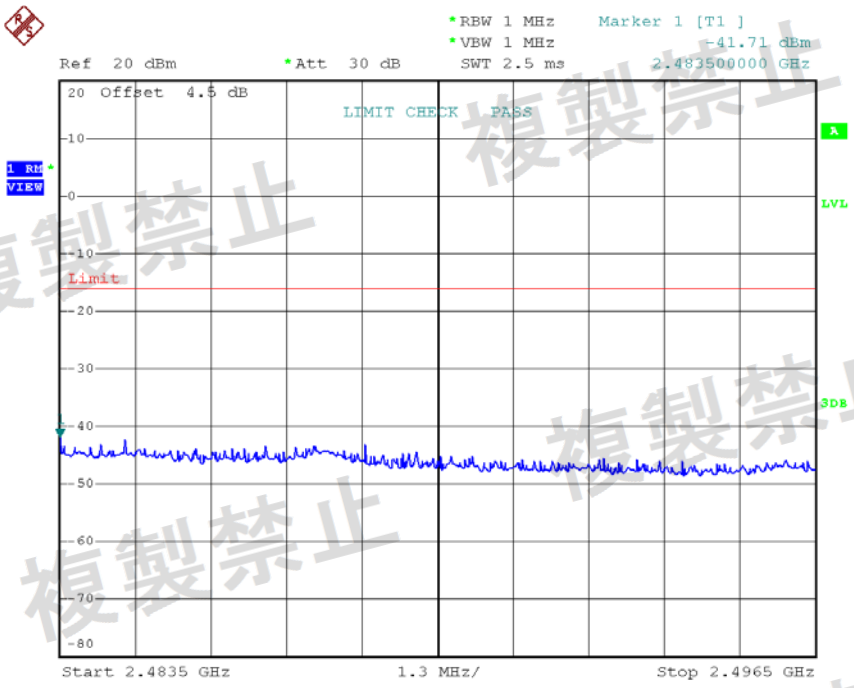
Normal Voltage

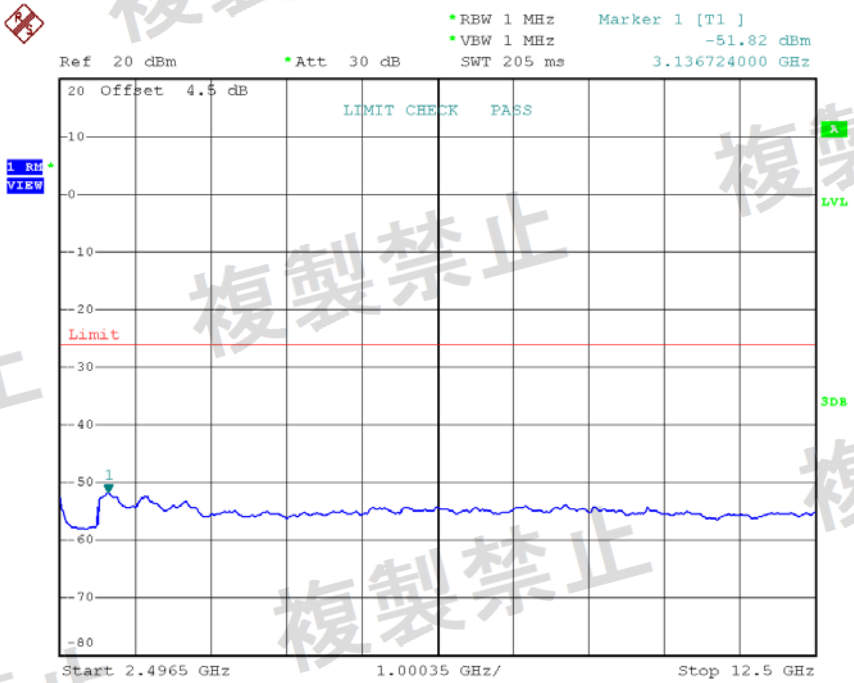
CH07 Frequency Band 4 (2483.5 MHz ≦ f < 2496.5 MHz)



Date: 24.JUL.2018 16:09:07

Normal Voltage

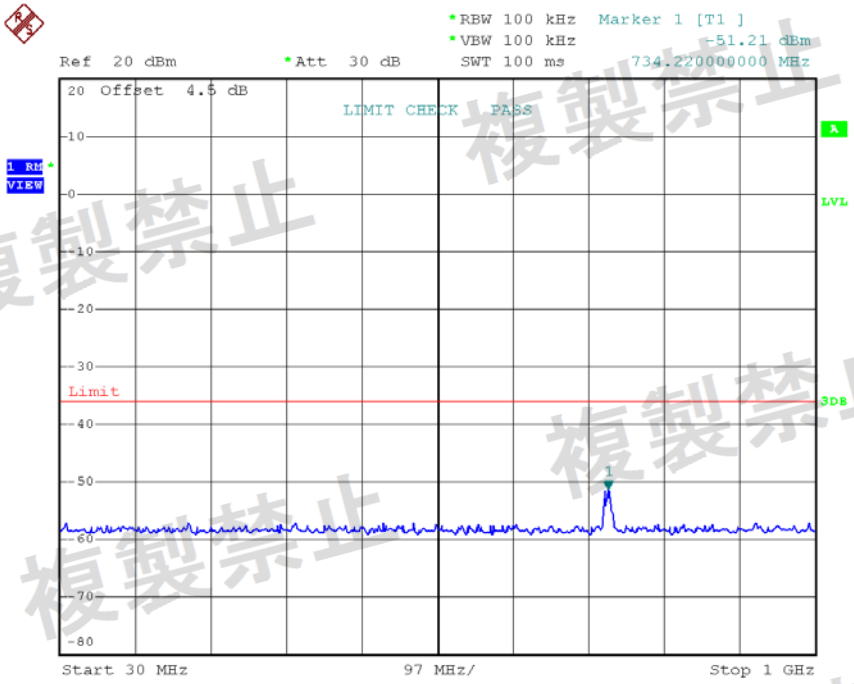
CH07 Frequency Band 5 (2496.5 MHz ≦ f <12.5 GHz)



Date: 24.JUL.2018 16:09:18

Normal Voltage

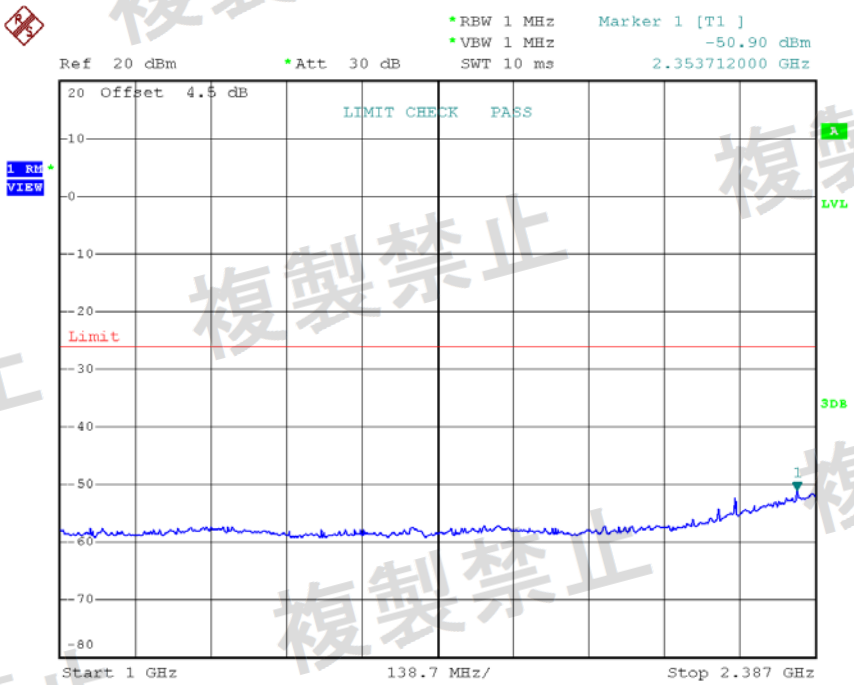
CH13 Frequency Band 1 (30 MHz ≦ f ≦ 1000 MHz)



Date: 24.JUL.2018 16:11:45

Normal Voltage

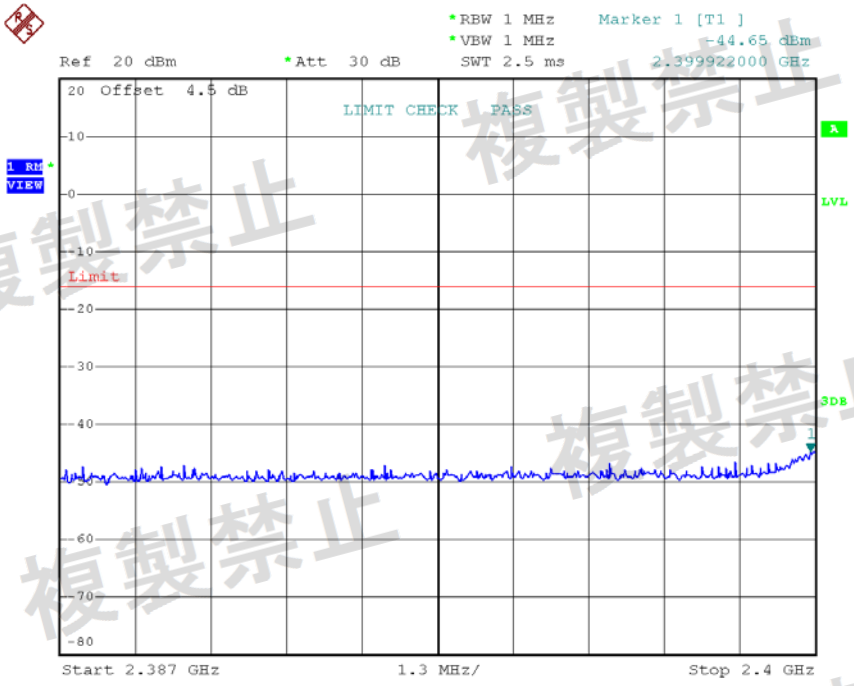
CH13 Frequency Band 2 (1000 MHz < f ≦ 2387 MHz)



Date: 24.JUL.2018 16:11:56

Normal Voltage

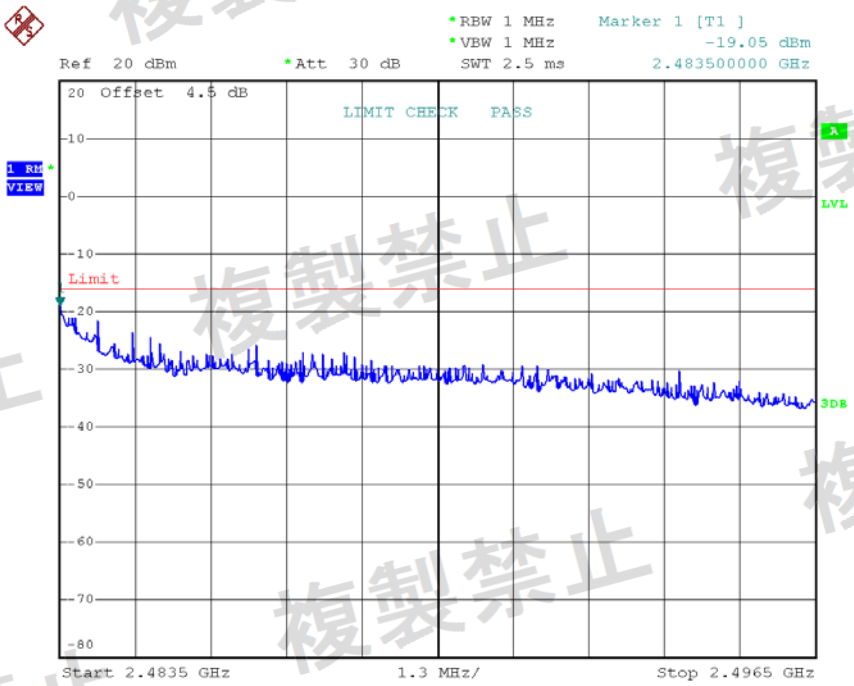
CH13 Frequency Band 3 (2387 MHz ≦ f < 2400 MHz)



Date: 24.JUL.2018 16:12:07

Normal Voltage

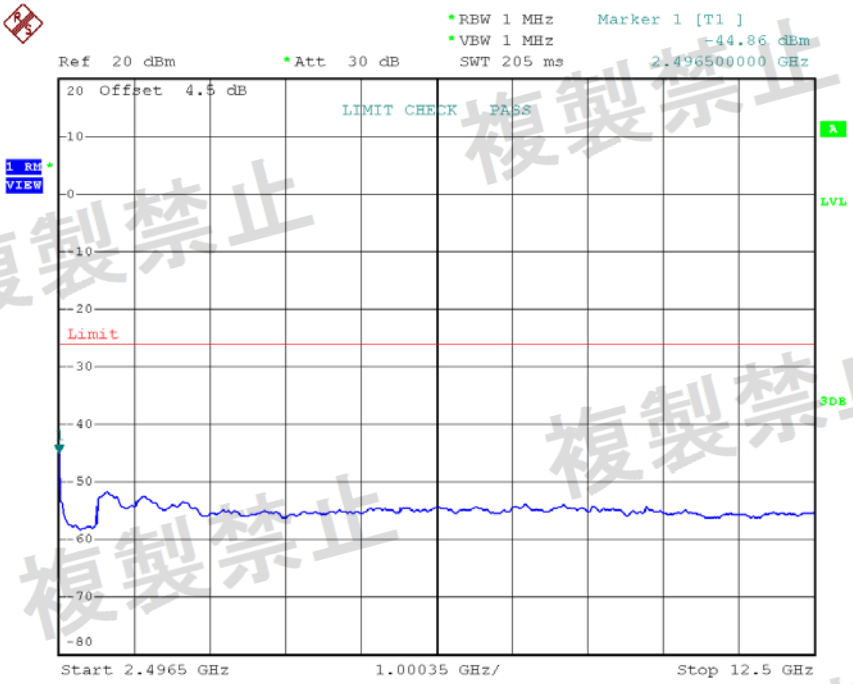
CH13 Frequency Band 4 (2483.5 MHz ≦ f < 2496.5 MHz)



Date: 24.JUL.2018 16:12:17

Normal Voltage

CH13 Frequency Band 5 (2496.5 MHz ≦ f <12.5 GHz)



Date: 24.JUL.2018 16:12:28

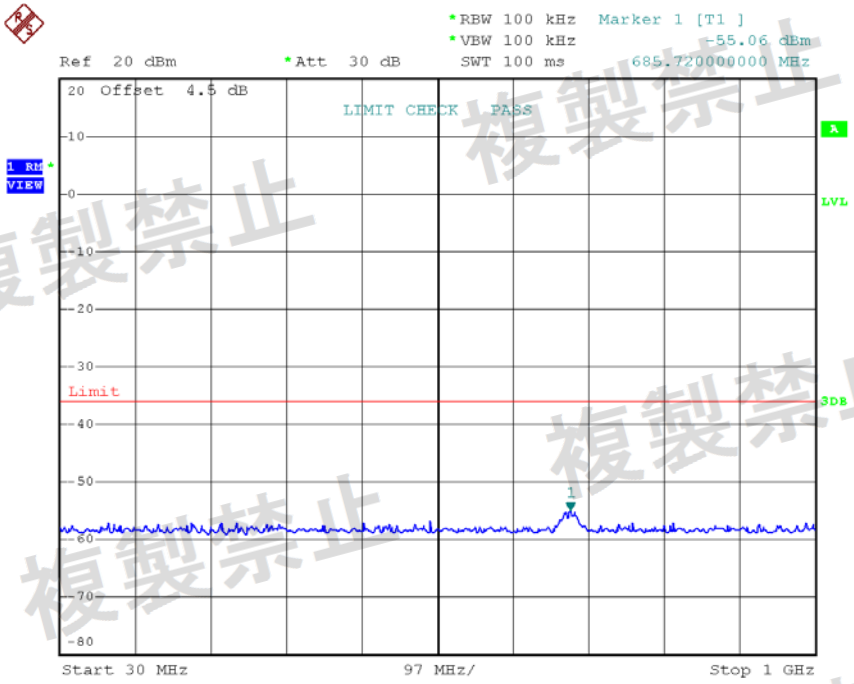
Test Mode:	802.11ac(VHT40)/CH03,CH07,CH11

Test Voltage		V	Normal Voltage			Remarks
Test Frequency		MHz	2422	2442	2462	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Power emission within1MHz bandwidth) (units: μW)	※1	μW/100kHz	0.0031	0.0044	0.0040	Limit ≦ 0.25 μW/100kHz (-36 dBm/100kHz)
	※2	μW/MHz	0.2805	0.0759	0.0240	Limit ≦ 2.5 μW/MHz (-26 dBm/MHz)
	※3	μW/MHz	1.7100	0.8492	0.1452	Limit ≦ 25 μW/MHz (-16 dBm/MHz)
	※4	μW/MHz	0.1057	1.0839	3.4914	Limit ≦ 25 μW/MHz (-16 dBm/MHz)
	※5	μW/MHz	0.0067	0.0238	0.1633	Limit ≦ 2.5 μW/MHz (-26 dBm/MHz)

Note:
Emission value = SA measurement value + Directional gain + cable loss
Directional gain = 10 log (Ant X)
X = the total number of antennas

Normal Voltage

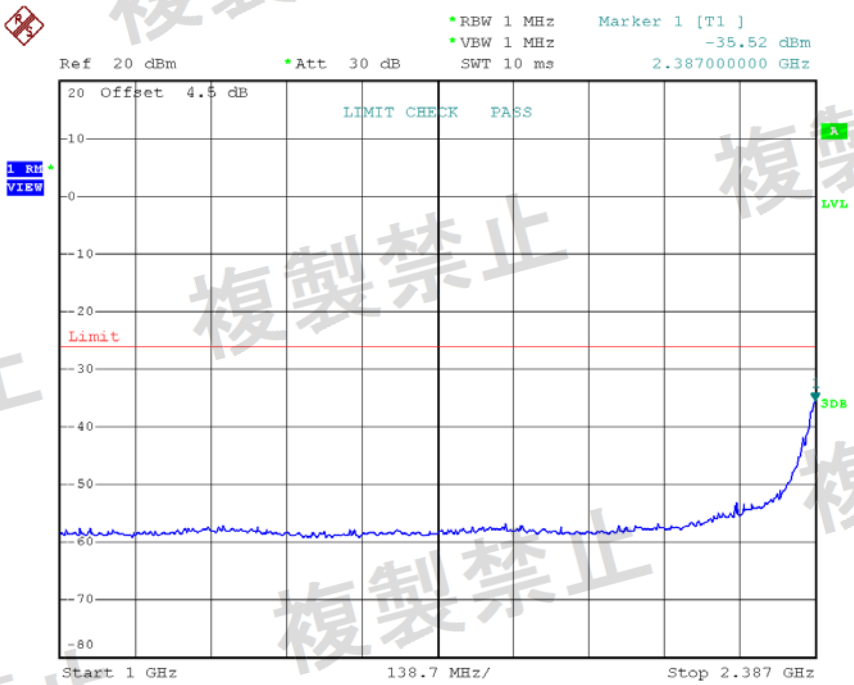
CH03 Frequency Band 1 (30 MHz ≦ f ≦ 1000 MHz)



Date: 24.JUL.2018 16:17:57

Normal Voltage

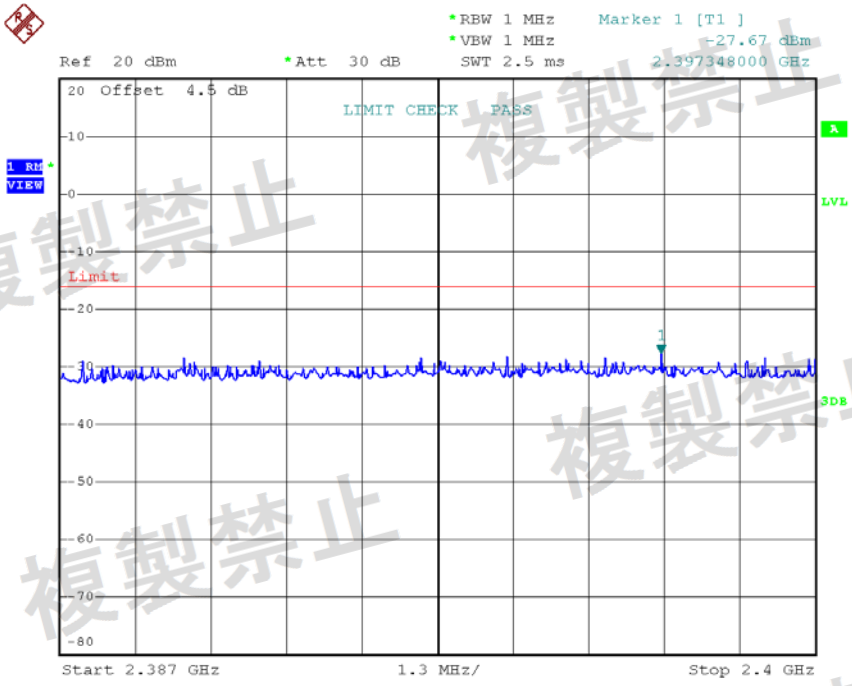
CH03 Frequency Band 2 (1000 MHz < f ≦ 2387 MHz)



Date: 24.JUL.2018 16:18:08

Normal Voltage

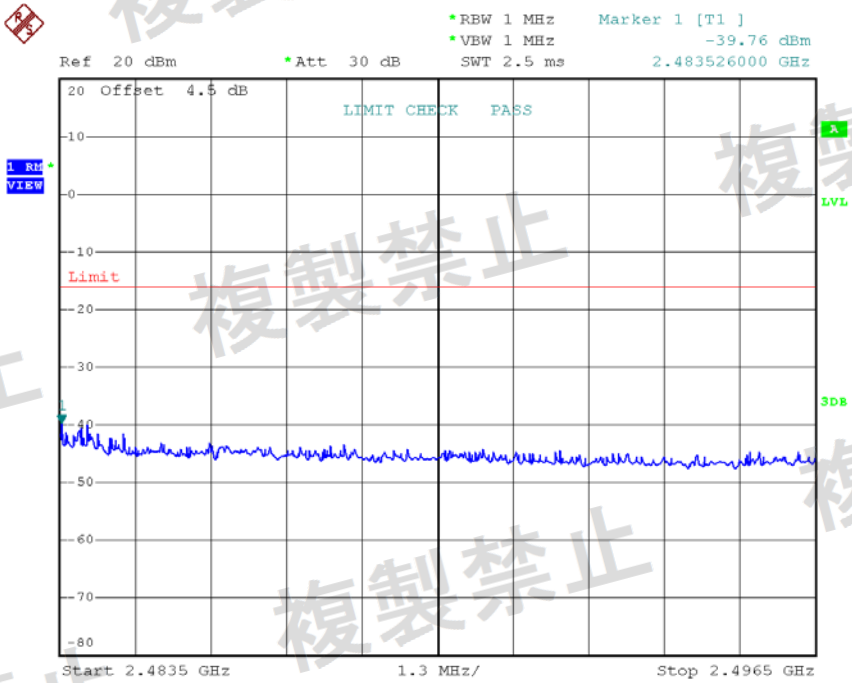
CH03 Frequency Band 3 (2387 MHz ≦ f < 2400 MHz)



Date: 24.JUL.2018 16:18:19

Normal Voltage

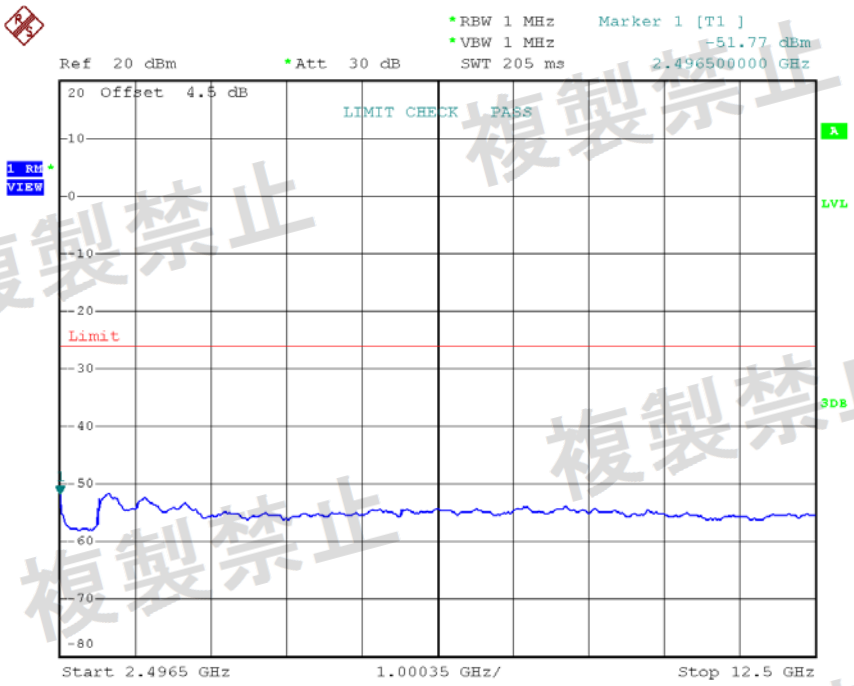
CH03 Frequency Band 4 (2483.5 MHz ≦ f < 2496.5 MHz)



Date: 24.JUL.2018 16:18:29

Normal Voltage

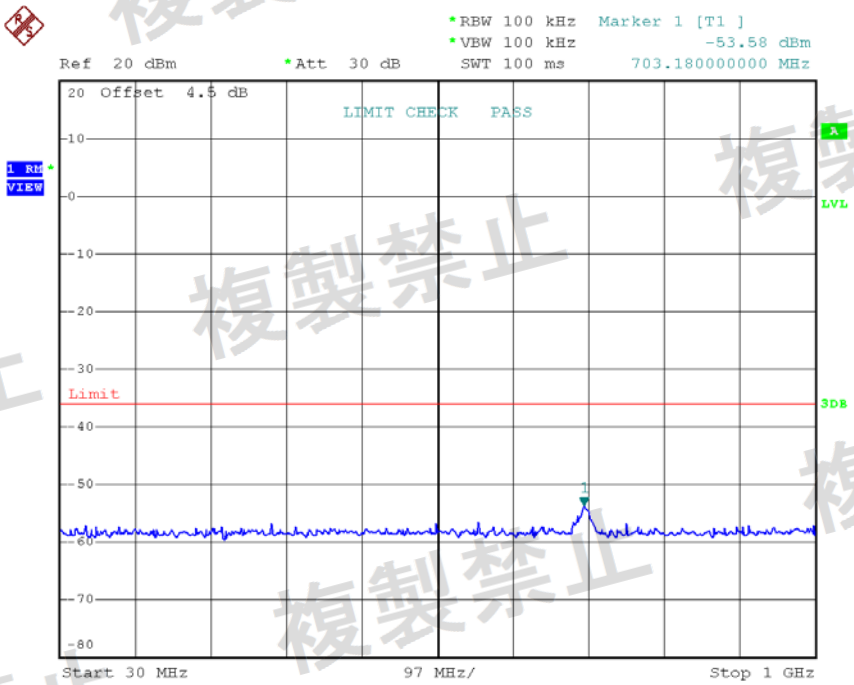
CH03 Frequency Band 5 (2496.5 MHz ≦ f <12.5 GHz)



Date: 24.JUL.2018 16:18:40

Normal Voltage

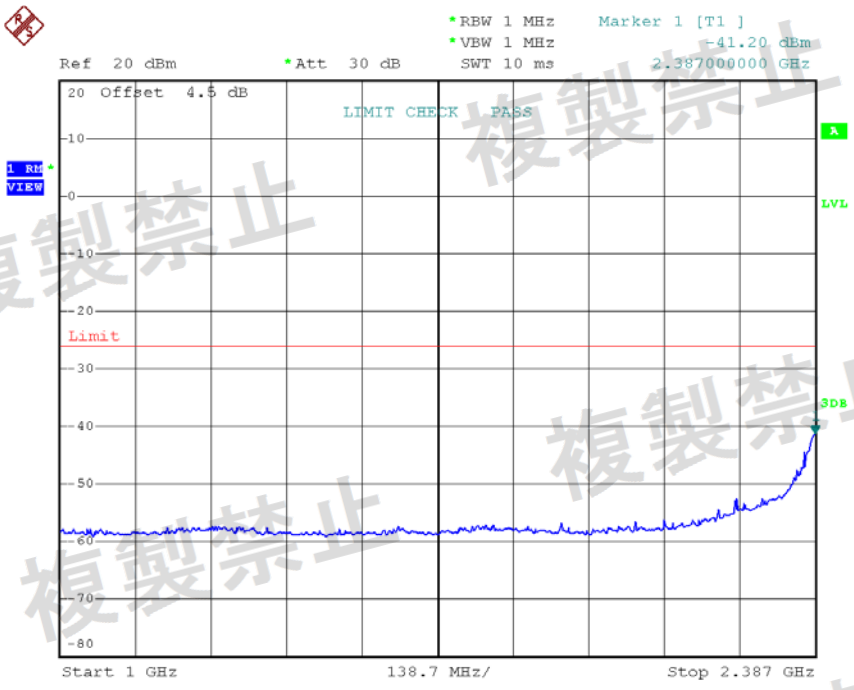
CH07 Frequency Band 1 (30 MHz ≦ f ≦ 1000 MHz)



Date: 24.JUL.2018 16:31:37

Normal Voltage

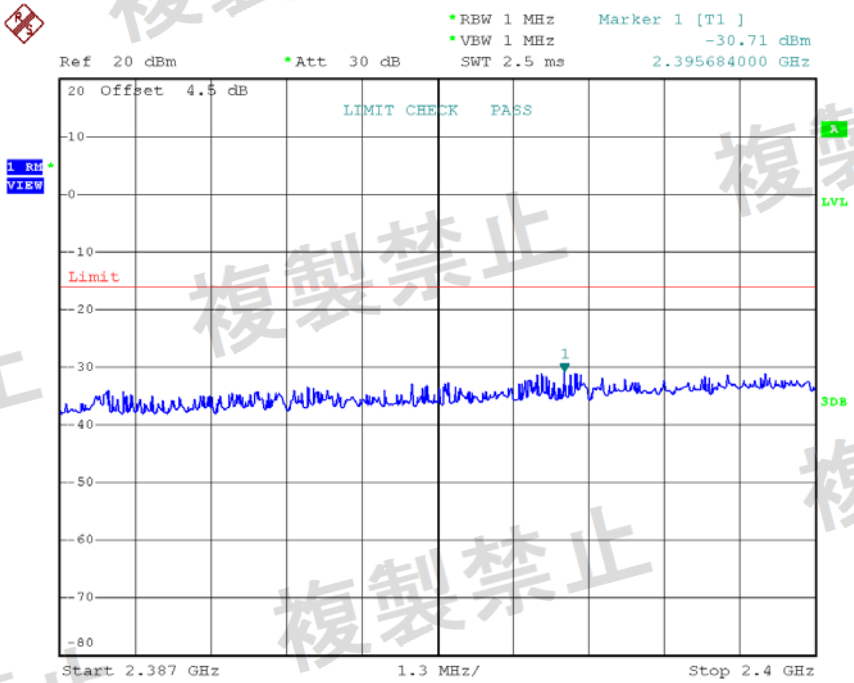
CH07 Frequency Band 2 (1000 MHz < f ≦ 2387 MHz)



Date: 24.JUL.2018 16:31:48

Normal Voltage

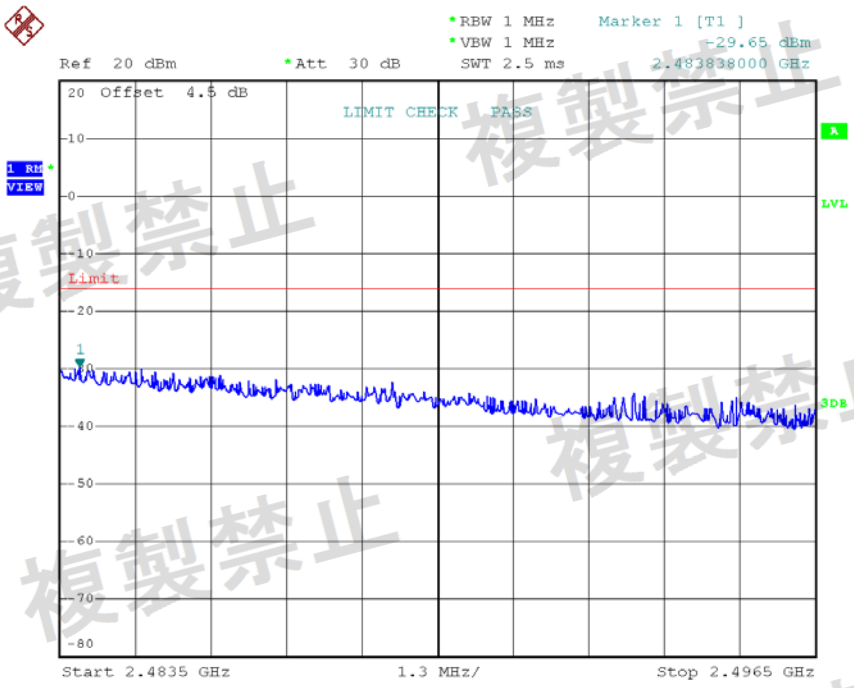
CH07 Frequency Band 3 (2387 MHz ≦ f < 2400 MHz)



Date: 24.JUL.2018 16:31:59

Normal Voltage

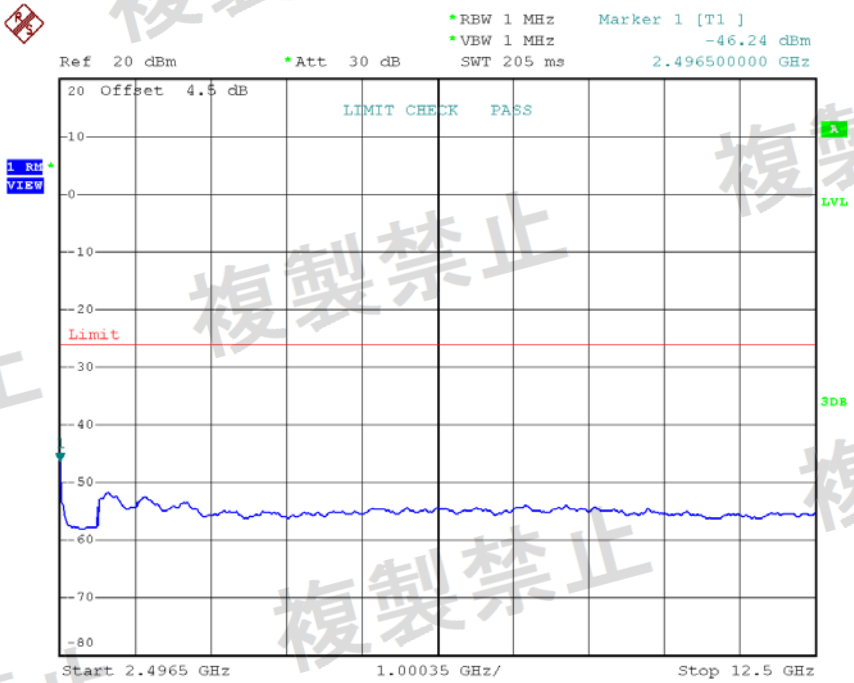
CH07 Frequency Band 4 (2483.5 MHz ≦ f < 2496.5 MHz)



Date: 24.JUL.2018 16:32:09

Normal Voltage

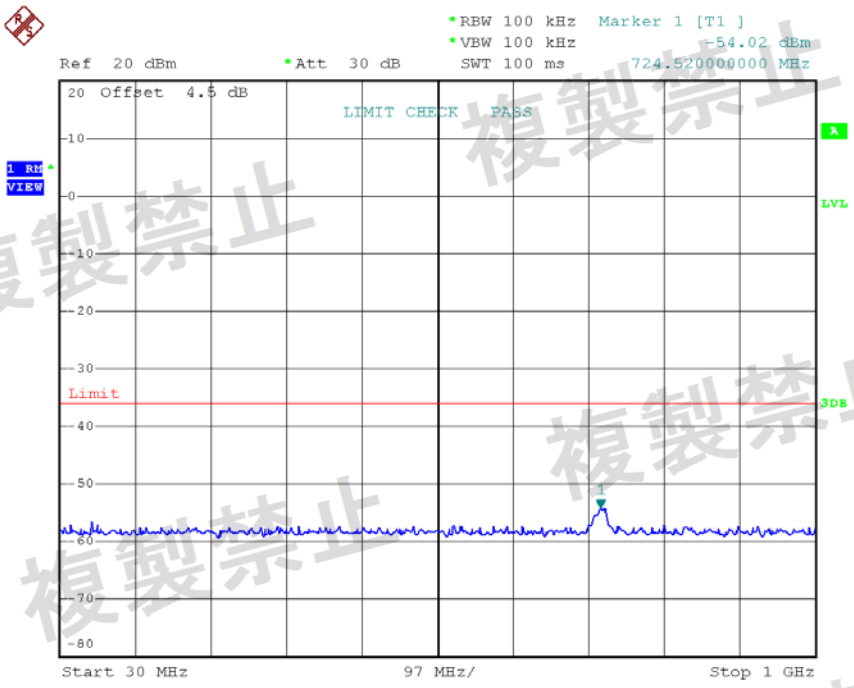
CH07 Frequency Band 5 (2496.5 MHz ≦ f <12.5 GHz)



Date: 24.JUL.2018 16:32:20

Normal Voltage

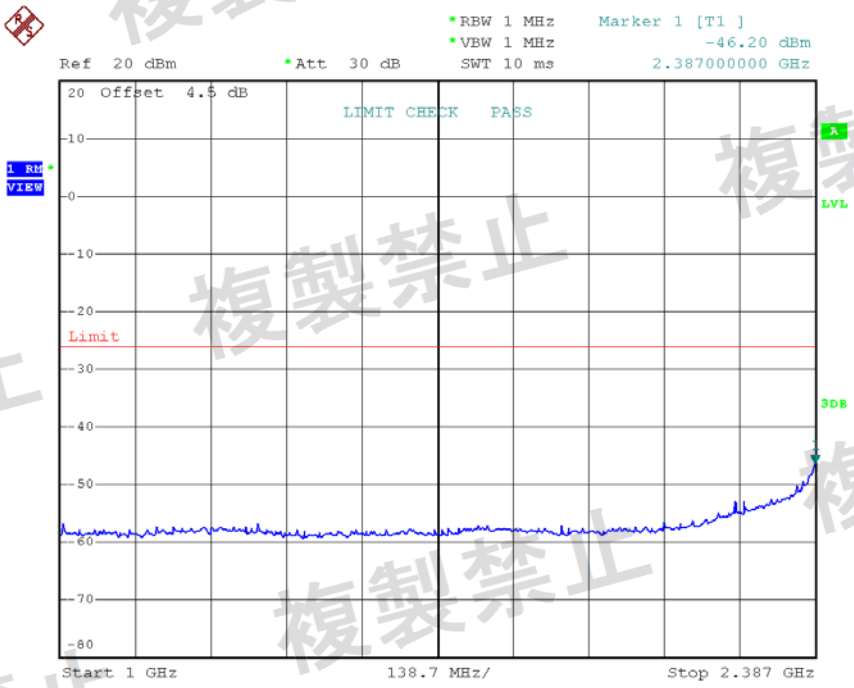
CH11 Frequency Band 1 (30 MHz ≦ f ≦ 1000 MHz)



Date: 24.JUL.2018 16:35:22

Normal Voltage

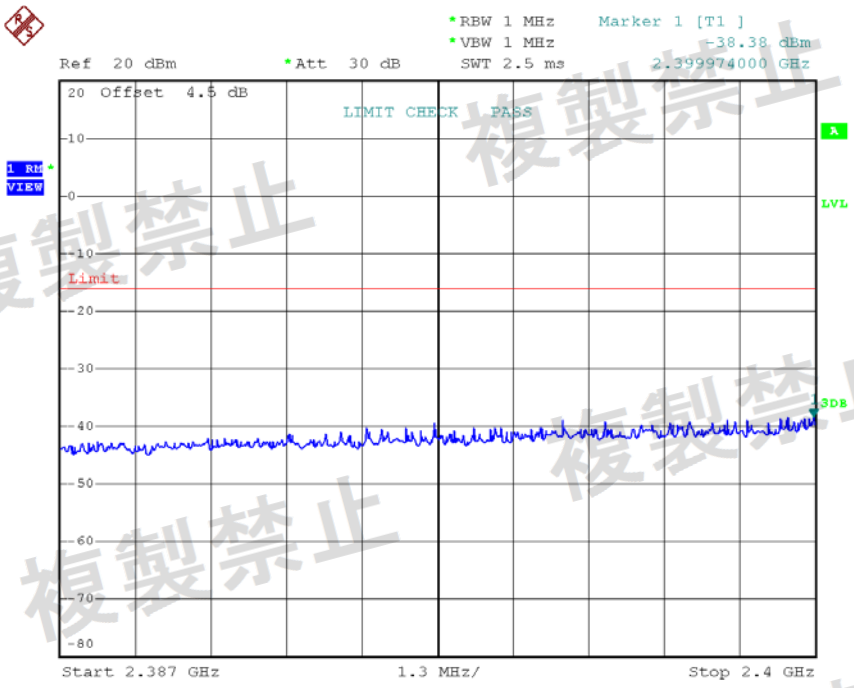
CH11 Frequency Band 2 (1000 MHz < f ≦ 2387 MHz)



Date: 24.JUL.2018 16:35:33

Normal Voltage

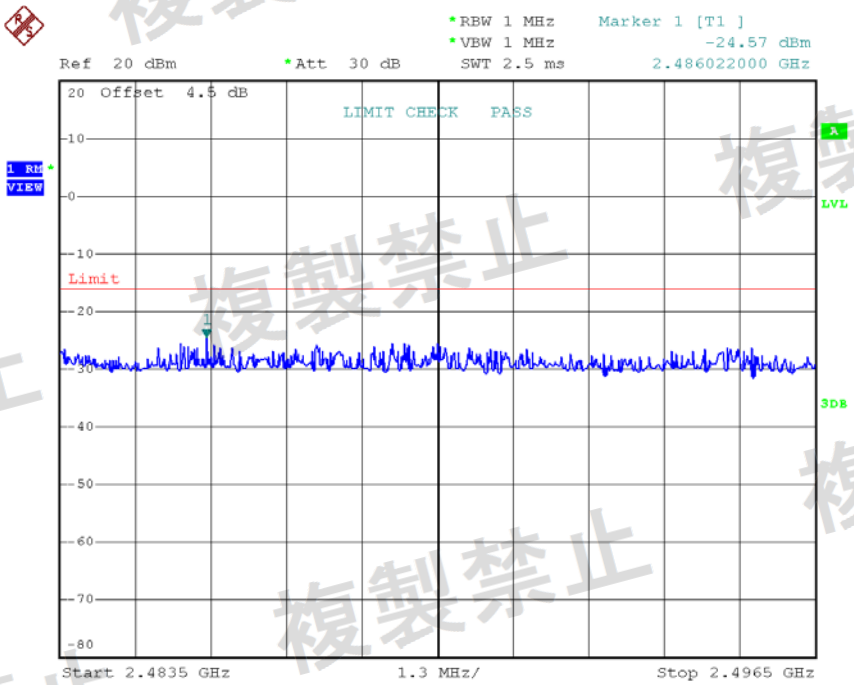
CH11 Frequency Band 3 (2387 MHz ≦ f < 2400 MHz)



Date: 24.JUL.2018 16:35:44

Normal Voltage

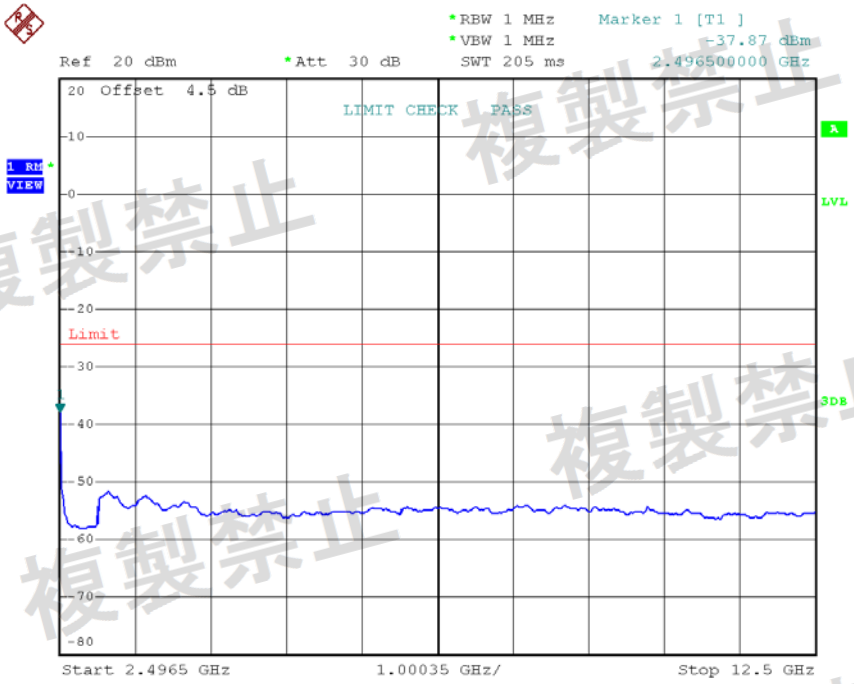
CH11 Frequency Band 4 (2483.5 MHz ≦ f < 2496.5 MHz)



Date: 24.JUL.2018 16:35:54

Normal Voltage

CH11 Frequency Band 5 (2496.5 MHz ≦ f <12.5 GHz)



Date: 24.JUL.2018 16:36:05

APPENDIX D - ANTENNA POWER ERROR

Test Mode:	802.11b/CH01,CH07,CH13

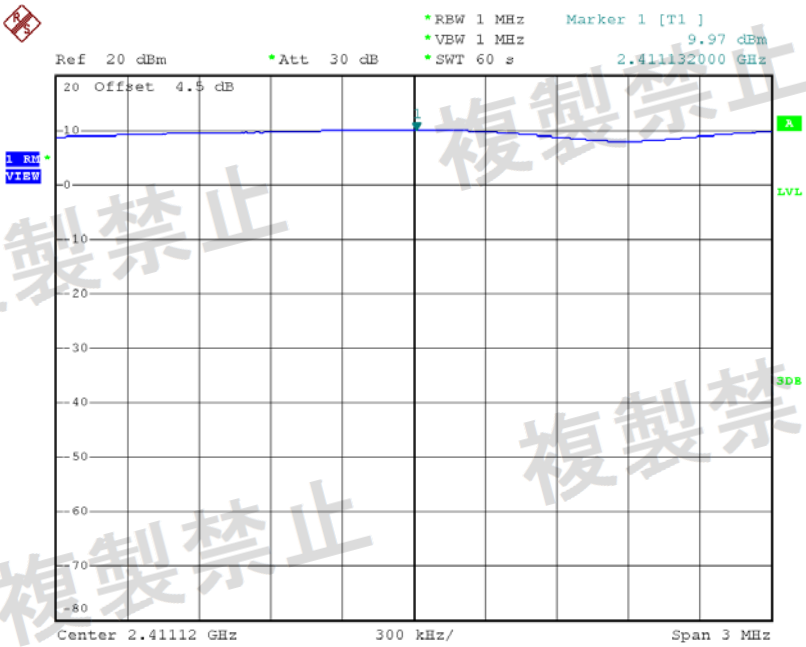
Test Voltage (V)	Normal Voltage			Remarks
Test Frequency (MHz)	2412	2442	2472	Low/Mid/High of test frequency range
Antenna Power (mW/MHz)	9.9312	9.8175	9.4406	-
Antenna Power Error (mW/MHz)	0.0012	-0.1125	-0.4894	-
Antenna Power Error (%)	0.01	-1.13	-4.93	Limit + 20% ~ - 80%

Note:
Antenna Power value = SA measurement value + Directional gain + cable loss
Directional gain = 10 log (Ant X)
X = the total number of antennas

複製禁止

Normal Voltage

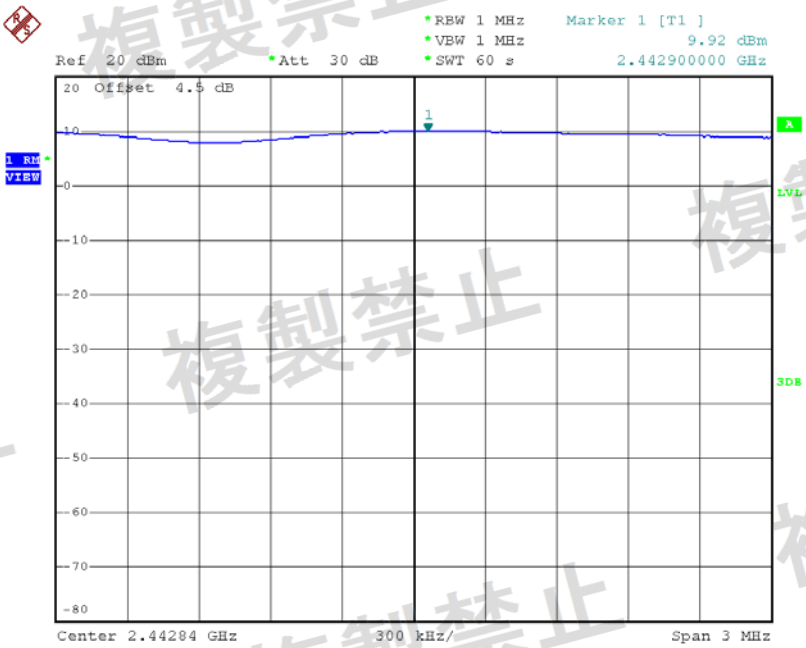
CH01



Date: 24.JUL.2018 15:11:52

Normal Voltage

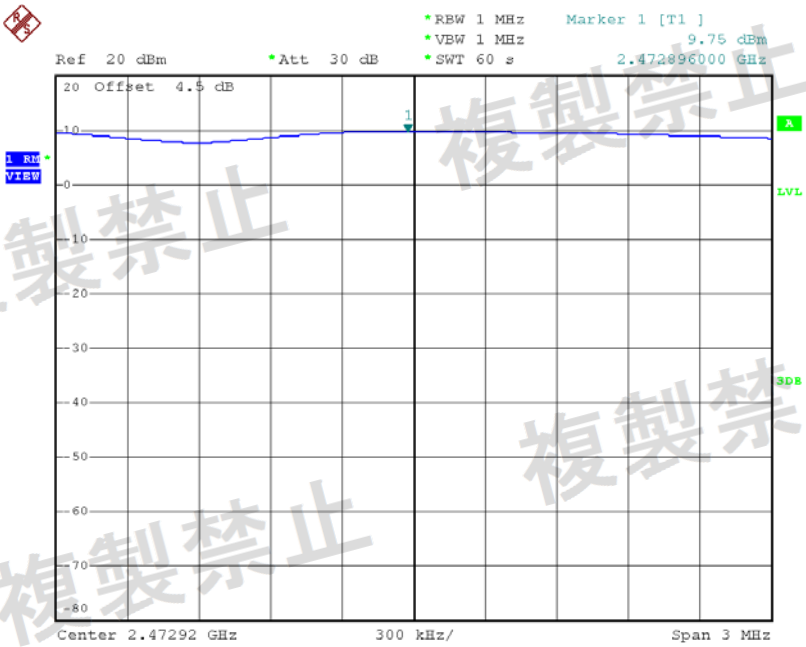
CH07



Date: 24.JUL.2018 15:00:20

Normal Voltage

CH13



Date: 24.JUL.2018 15:17:12

Test Mode:	802.11g/CH01,CH07,CH13

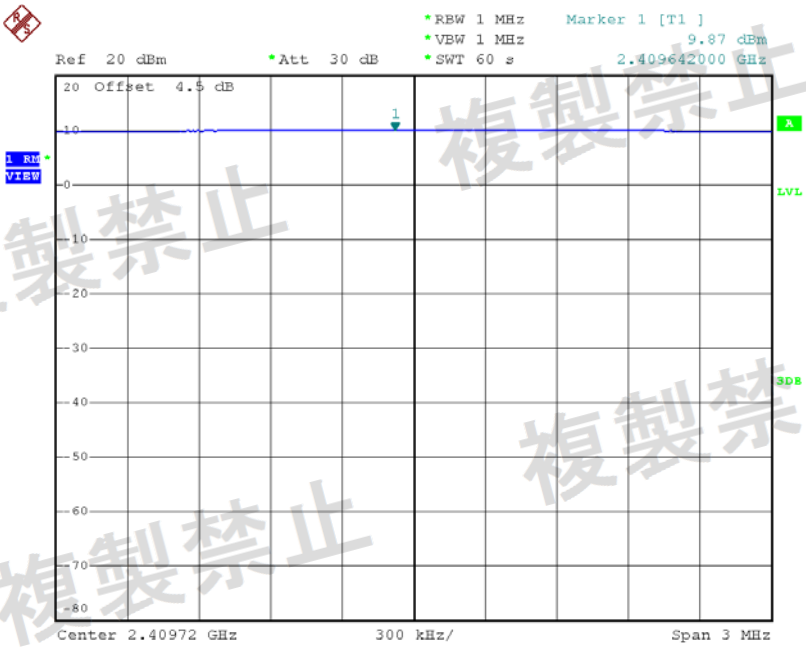
Test Voltage (V)	Normal Voltage			Remarks
Test Frequency (MHz)	2412	2442	2472	Low/Mid/High of test frequency range
Antenna Power (mW/MHz)	9.7051	9.3972	9.1201	-
Antenna Power Error (mW/MHz)	-0.0049	-0.3128	-0.5899	-
Antenna Power Error (%)	-0.05	-3.22	-6.08	Limit + 20% ~ - 80%

Note:
Antenna Power value = SA measurement value + Directional gain + cable loss
Directional gain = 10 log (Ant X)
X = the total number of antennas

複製禁止

Normal Voltage

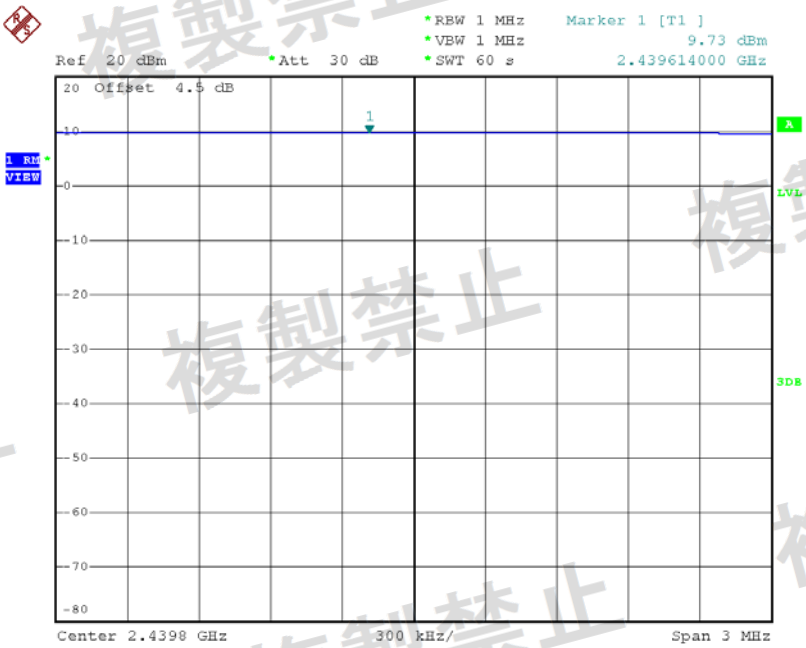
CH01



Date: 24.JUL.2018 15:21:12

Normal Voltage

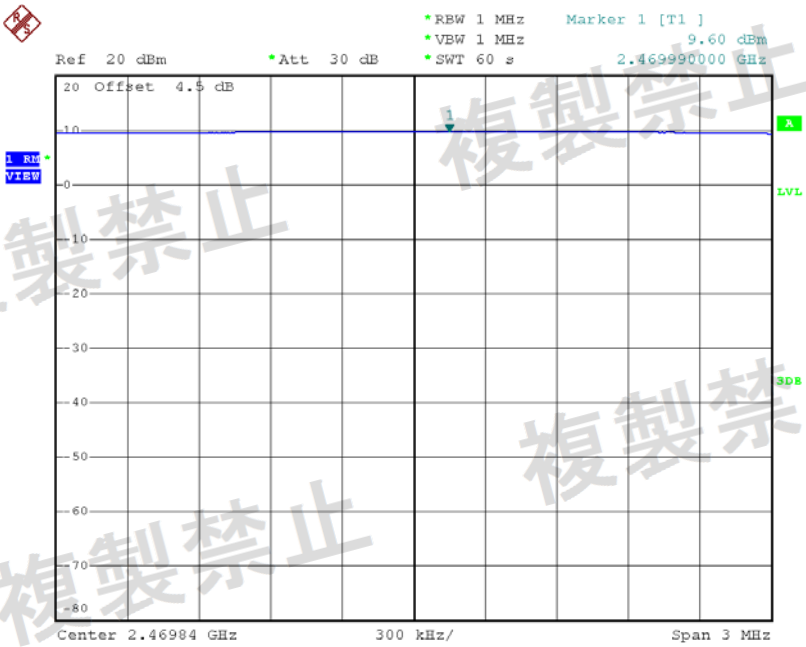
CH07



Date: 24.JUL.2018 15:25:01

Normal Voltage

CH13



Date: 24.JUL.2018 15:30:24

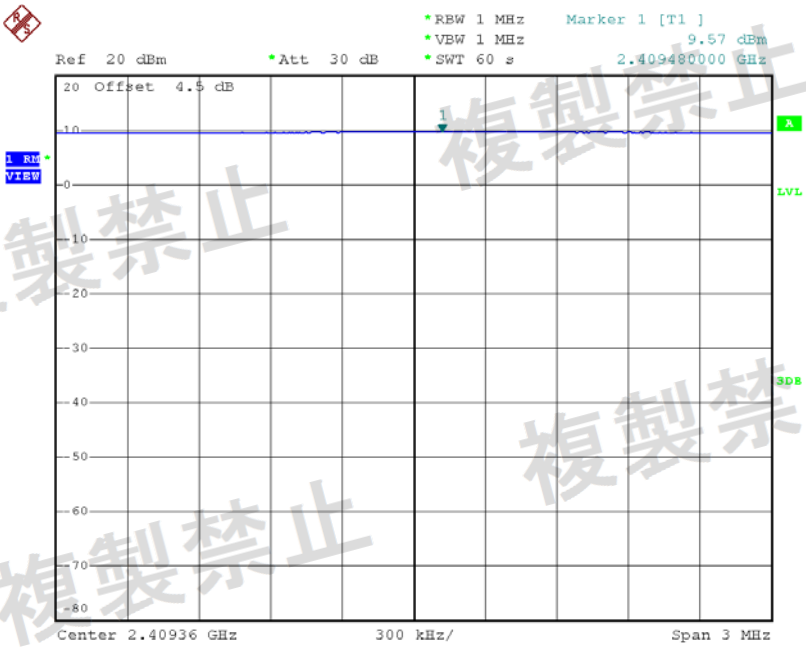
Test Mode:	802.11n(HT20)/CH01,CH07,CH13

Test Voltage (V)	Normal Voltage			Remarks
Test Frequency (MHz)	2412	2442	2472	Low/Mid/High of test frequency range
Antenna Power (mW/MHz)	9.0573	9.7724	9.8175	-
Antenna Power Error (mW/MHz)	-0.7627	-0.0476	-0.0025	-
Antenna Power Error (%)	-7.77	-0.49	-0.03	Limit + 20% ~ - 80%

Note:
Antenna Power value = SA measurement value + Directional gain + cable loss
Directional gain = 10 log (Ant X)
X = the total number of antennas

Normal Voltage

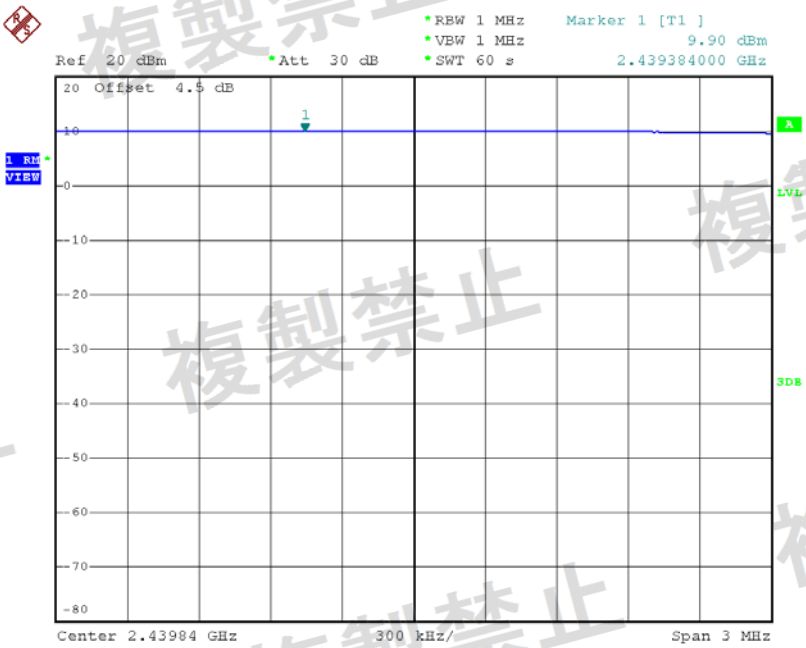
CH01



Date: 24.JUL.2018 15:35:03

Normal Voltage

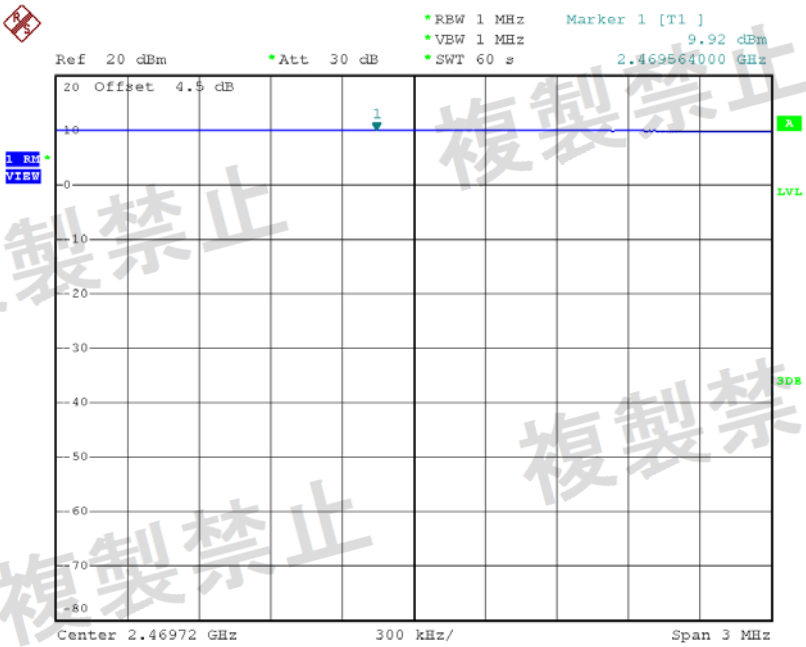
CH07



Date: 24.JUL.2018 15:39:52

Normal Voltage

CH13



Date: 24.JUL.2018 15:43:27

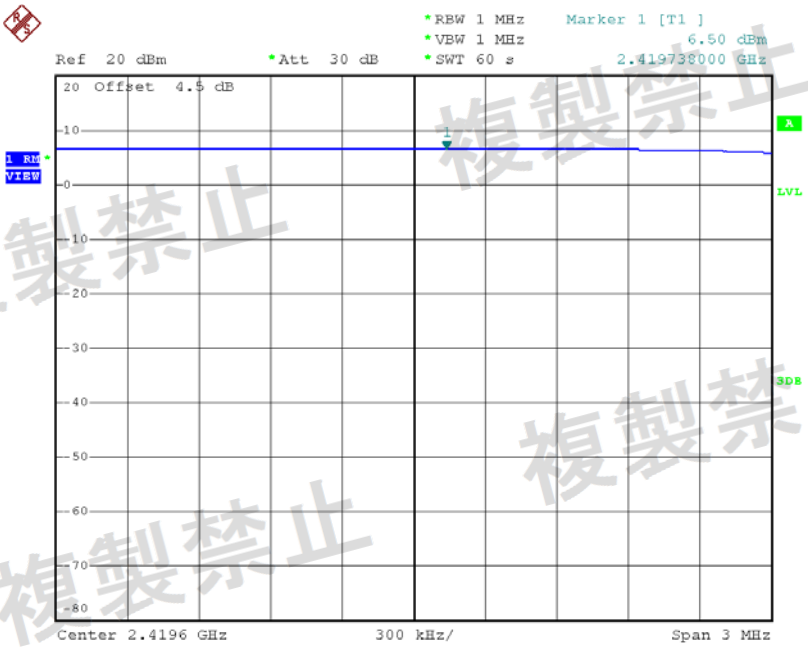
Test Mode:	802.11n(HT40)/CH03,CH07,CH11

Test Voltage (V)	Normal Voltage			Remarks
Test Frequency (MHz)	2422	2442	2462	Low/Mid/High of test frequency range
Antenna Power (mW/MHz)	4.4668	4.9545	4.8306	-
Antenna Power Error (mW/MHz)	-0.4832	0.0045	-0.1194	-
Antenna Power Error (%)	-9.76	0.09	-2.41	Limit + 20% ~ - 80%

Note:
Antenna Power value = SA measurement value + Directional gain + cable loss
Directional gain = 10 log (Ant X)
X = the total number of antennas

Normal Voltage

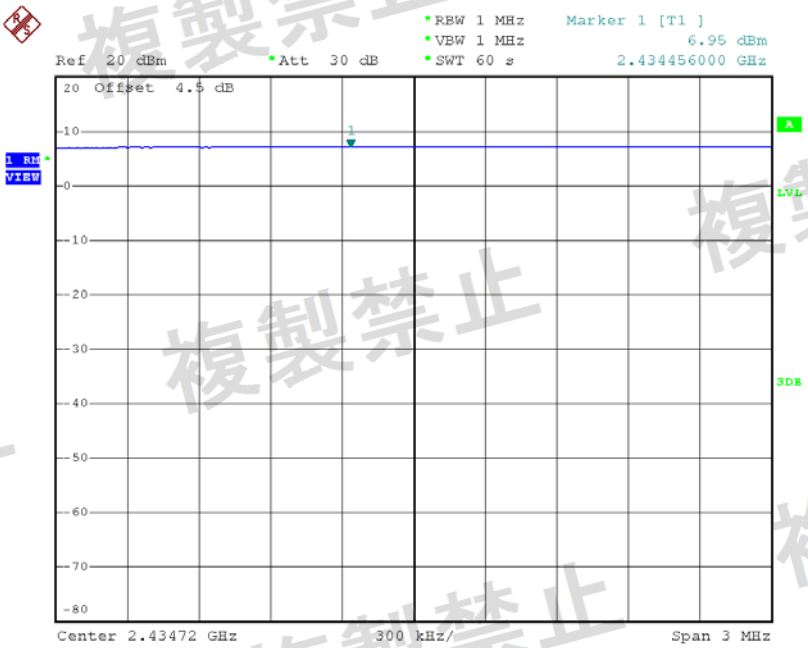
CH03



Date: 24.JUL.2018 15:50:12

Normal Voltage

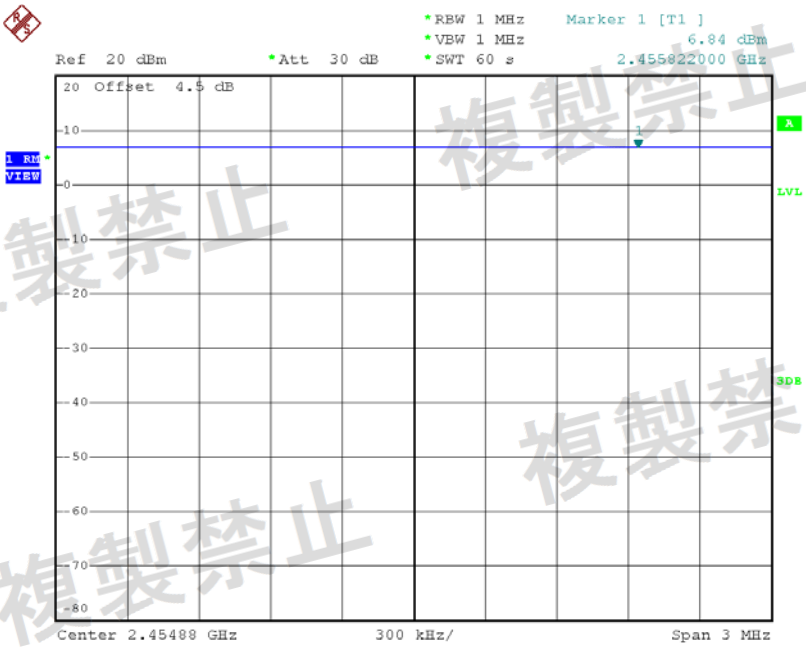
CH07



Date: 24.JUL.2018 15:53:47

Normal Voltage

CH11



Date: 24.JUL.2018 15:57:23

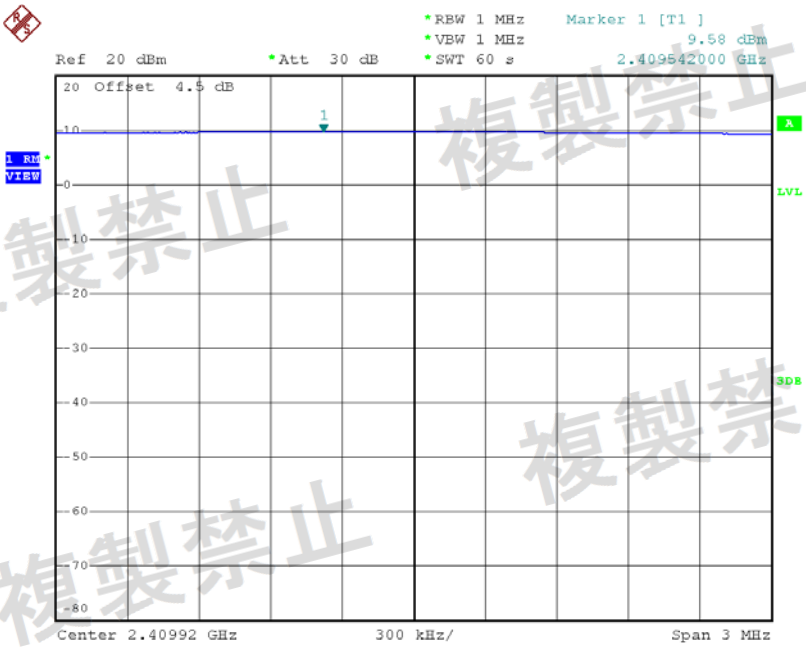
Test Mode:	802.11ac(VHT20)/CH01,CH07,CH13

Test Voltage (V)	Normal Voltage			Remarks
Test Frequency (MHz)	2412	2442	2472	Low/Mid/High of test frequency range
Antenna Power (mW/MHz)	9.0782	9.8855	9.7499	-
Antenna Power Error (mW/MHz)	-0.8118	-0.0045	-0.1401	-
Antenna Power Error (%)	-8.21	-0.05	-1.42	Limit + 20% ~ - 80%

Note:
Antenna Power value = SA measurement value + Directional gain + cable loss
Directional gain = 10 log (Ant X)
X = the total number of antennas

Normal Voltage

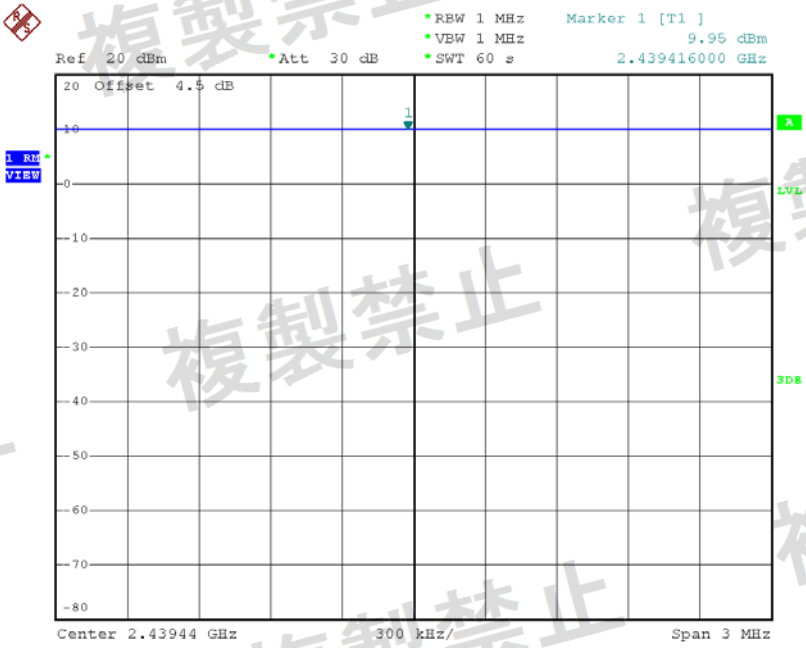
CH01



Date: 24.JUL.2018 16:05:03

Normal Voltage

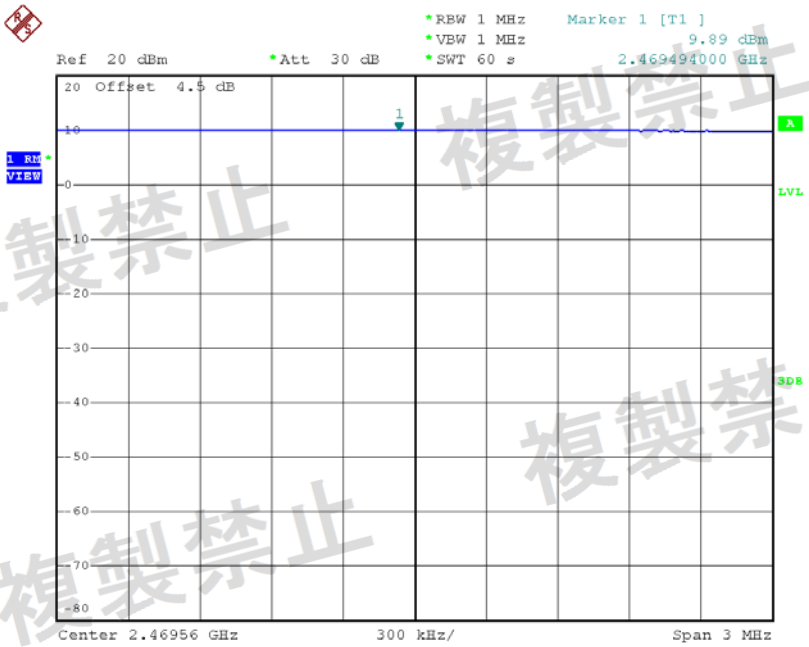
CH07



Date: 24.JUL.2018 16:08:24

Normal Voltage

CH13



Date: 24.JUL.2018 16:11:35

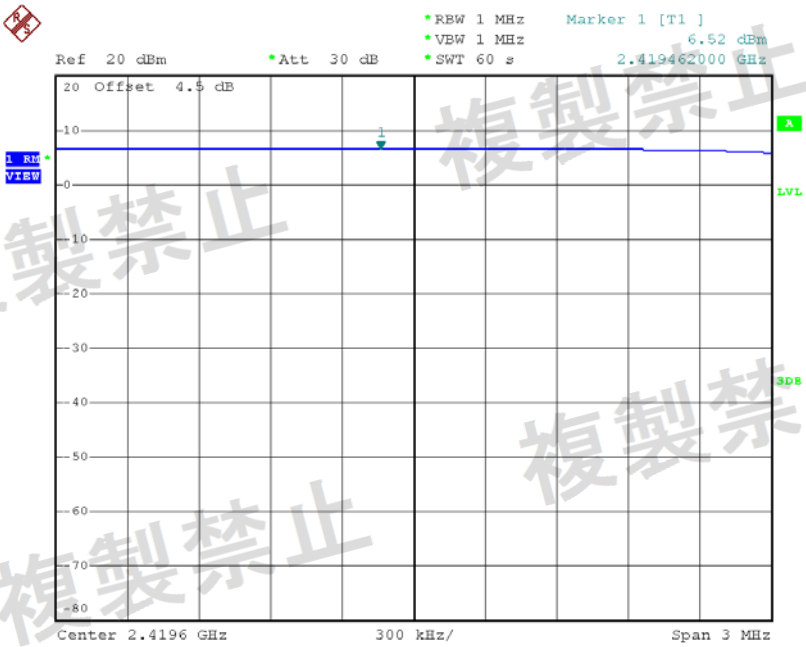
Test Mode:	802.11ac(VHT40)/CH03,CH07,CH11

Test Voltage (V)	Normal Voltage			Remarks
Test Frequency (MHz)	2422	2442	2462	Low/Mid/High of test frequency range
Antenna Power (mW/MHz)	4.4875	4.9431	4.7643	-
Antenna Power Error (mW/MHz)	-0.4525	0.0031	-0.1757	-
Antenna Power Error (%)	-9.16	0.06	-3.56	Limit + 20% ~ - 80%

Note:
Antenna Power value = SA measurement value + Directional gain + cable loss
Directional gain = 10 log (Ant X)
X = the total number of antennas

Normal Voltage

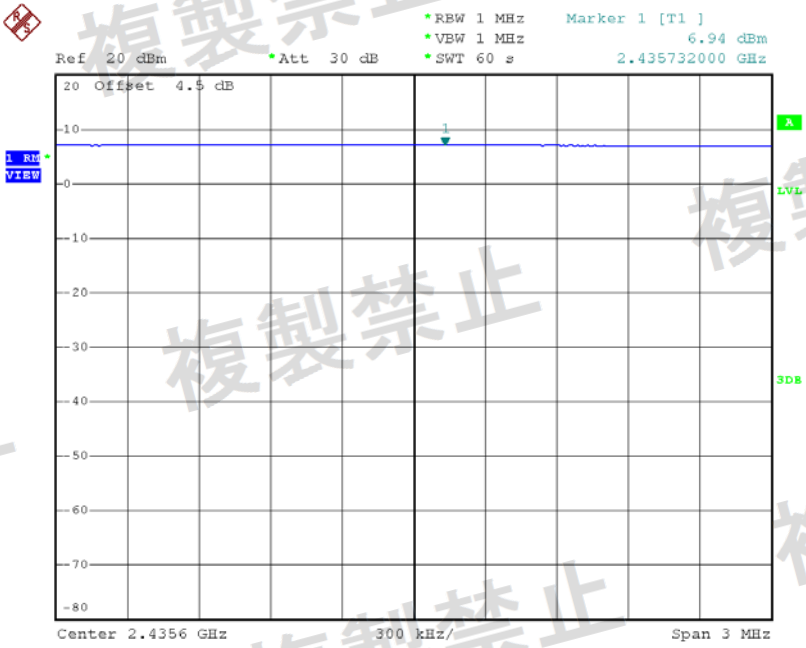
CH03



Date: 24.JUL.2018 16:17:46

Normal Voltage

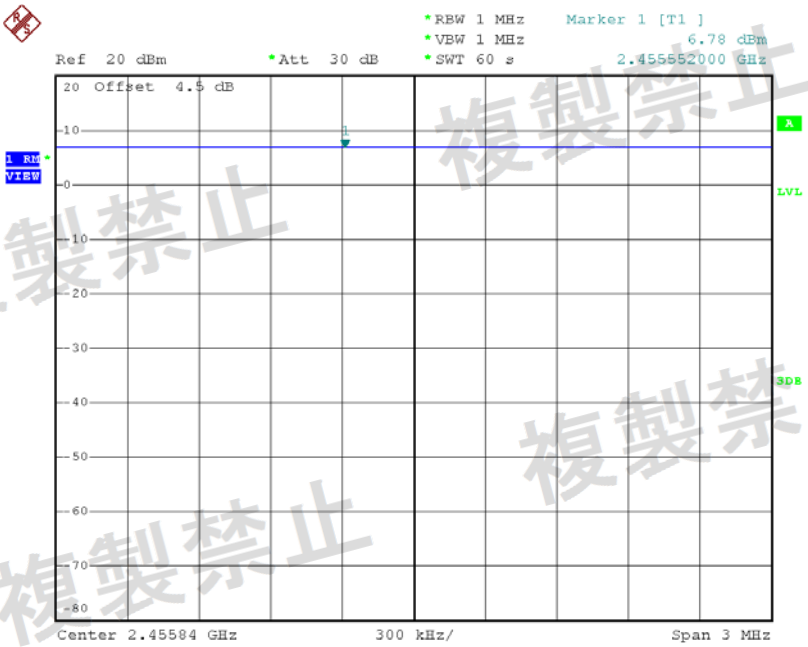
CH07



Date: 24.JUL.2018 16:31:27

Normal Voltage

CH11



Date: 24.JUL.2018 16:35:12

APPENDIX E - LIMITATION OF COLLATERAL EMISSION OF RECEIVER

複製禁止

Test Mode:	802.11b/CH01,CH07,CH13

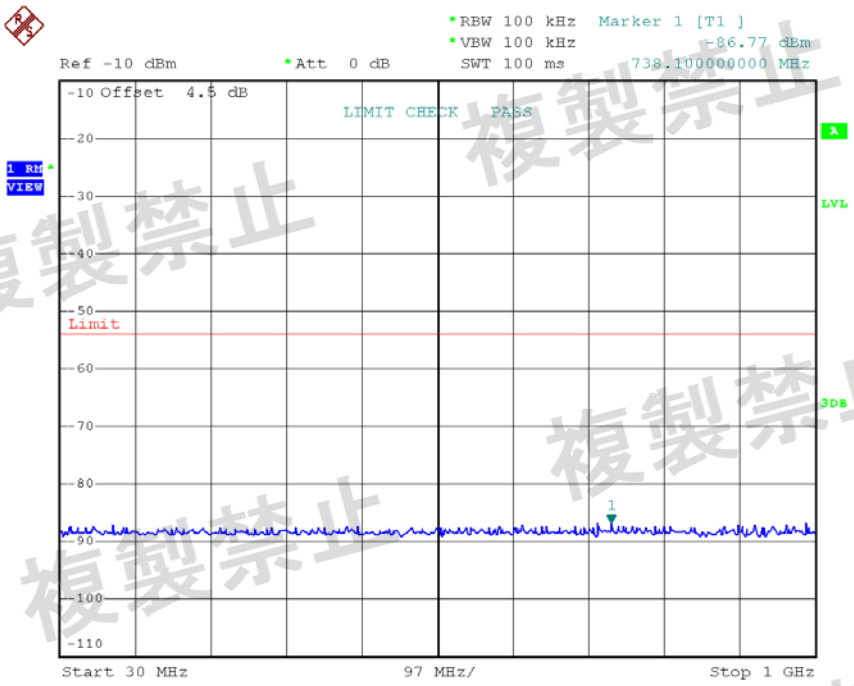
Test Voltage		V	Normal Voltage			Remarks
Test Frequency		MHz	2412	2442	2472	Low/Mid/Low of test frequency range
Limitation of Collateral Emission of Receiver	※6	nW	0.0021	0.0022	0.0020	Limit ≦ 4 nW (-54 dBm)
	※7	nW	0.0073	0.0072	0.0546	Limit ≦ 20 nW (-47 dBm)

Note:
Emission value = SA measurement value + Directional gain + cable loss
Directional gain = 10 log (Ant X)
X = the total number of antennas

複製禁止

Normal Voltage

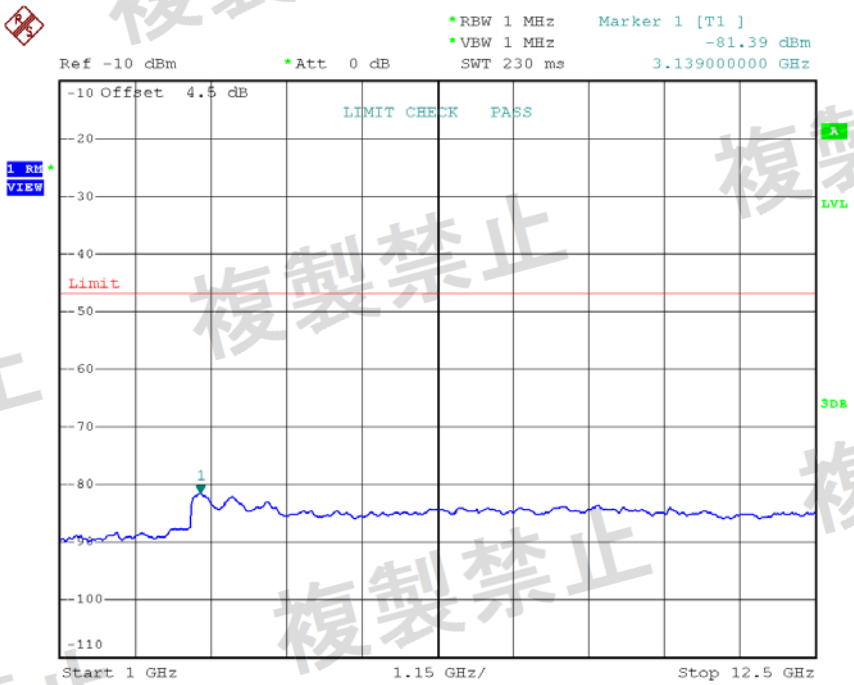
CH01- Frequency Band 6 (30 MHz ≦ f < 1000 MHz)



Date: 24.JUL.2018 16:59:08

Normal Voltage

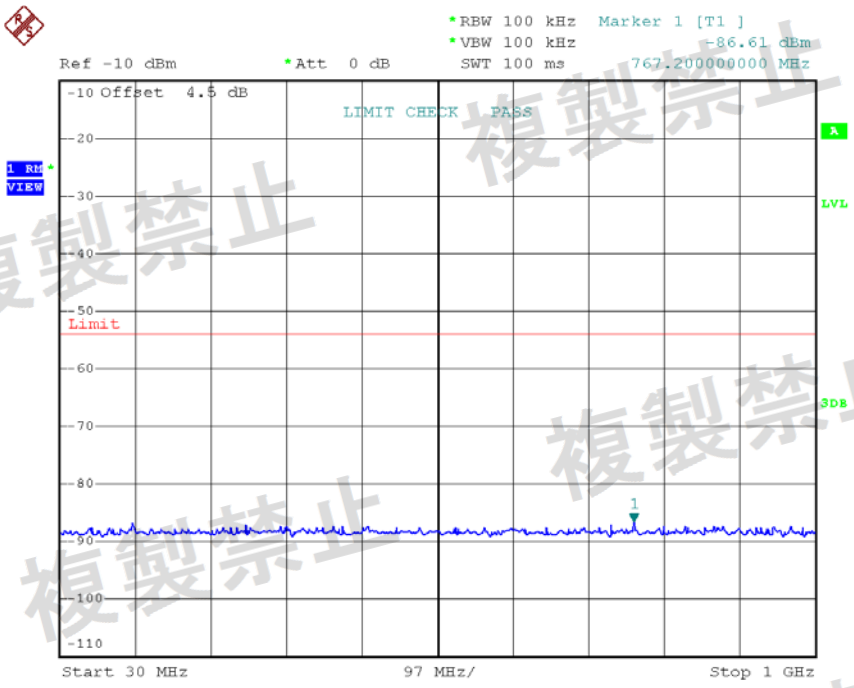
CH01- Frequency Band 7 (1000 MHz ≦ f < 12.5 GHz)



Date: 24.JUL.2018 16:59:19

Normal Voltage

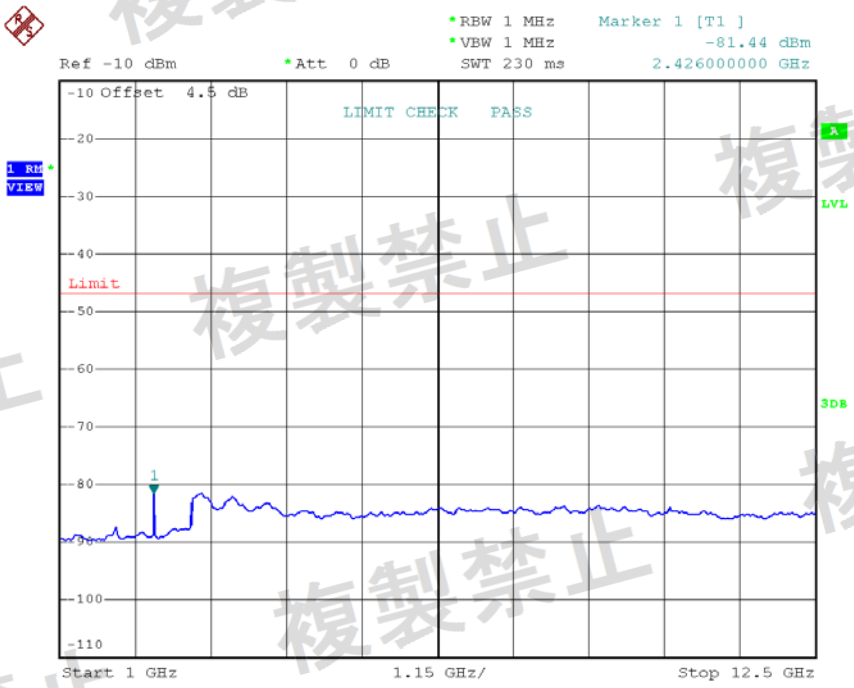
CH07- Frequency Band 6 (30 MHz ≦ f < 1000 MHz)



Date: 24.JUL.2018 16:59:46

Normal Voltage

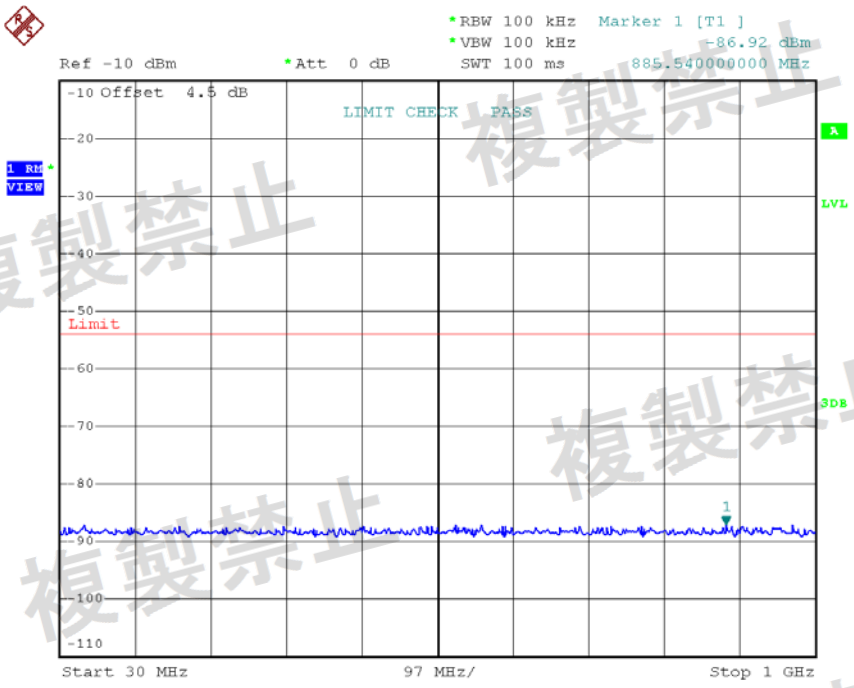
CH07- Frequency Band 7 (1000 MHz ≦ f < 12.5 GHz)



Date: 24.JUL.2018 16:59:57

Normal Voltage

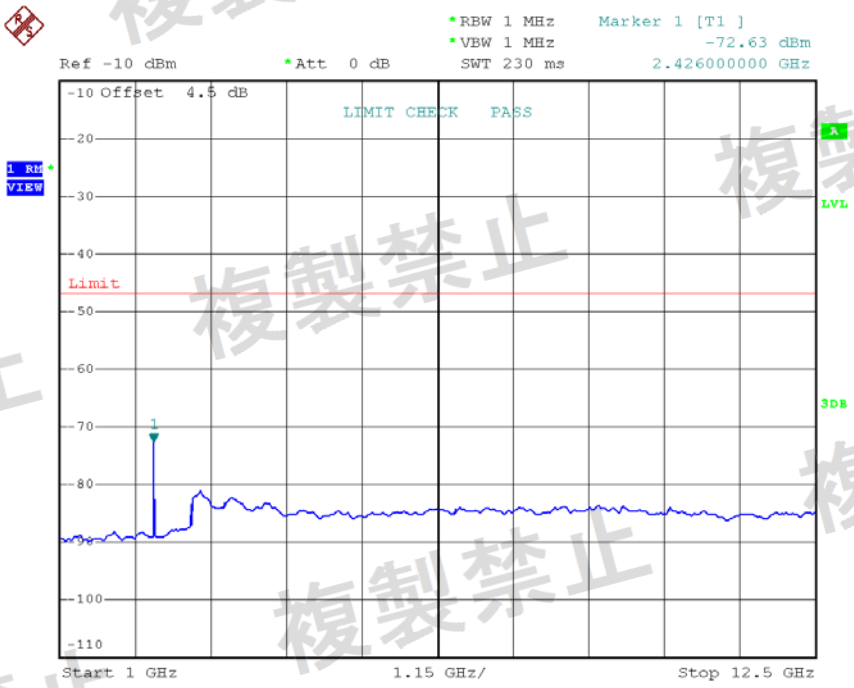
CH13- Frequency Band 6 (30 MHz ≦ f < 1000 MHz)



Date: 24.JUL.2018 17:00:15

Normal Voltage

CH13- Frequency Band 7 (1000 MHz ≦ f < 12.5 GHz)



Date: 24.JUL.2018 17:00:26

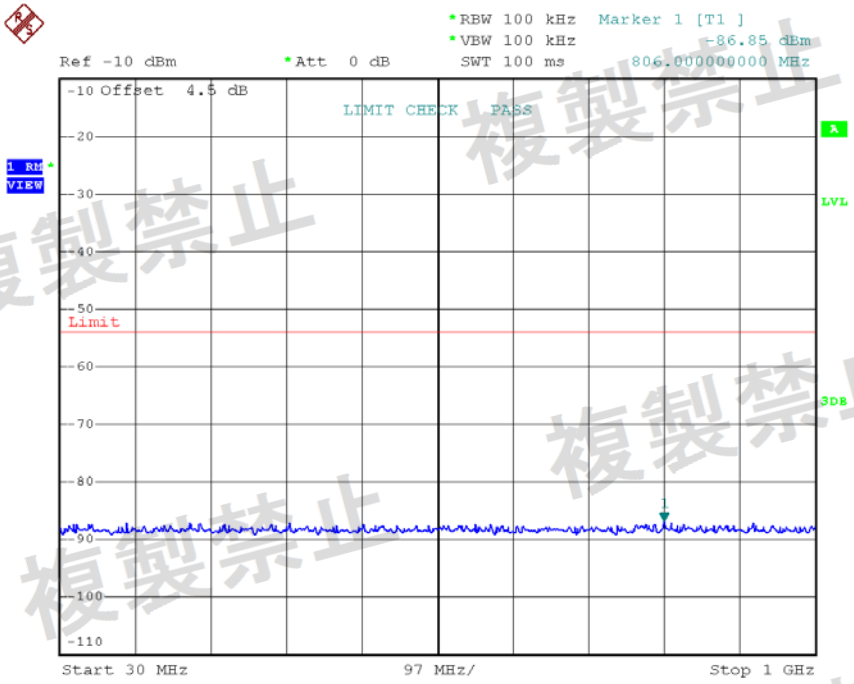
Test Mode:	802.11g/CH01,CH07,CH13

Test Voltage		V	Normal Voltage			Remarks
Test Frequency		MHz	2412	2442	2472	Low/Mid/Low of test frequency range
Limitation of Collateral	※6	nW	0.0021	0.0025	0.0021	Limit ≦ 4 nW (-54 dBm)
Emission of Receiver	※7	nW	0.0072	0.0474	0.0101	Limit ≦ 20 nW (-47 dBm)

Note:
Emission value = SA measurement value + Directional gain + cable loss
Directional gain = 10 log (Ant X)
X = the total number of antennas

Normal Voltage

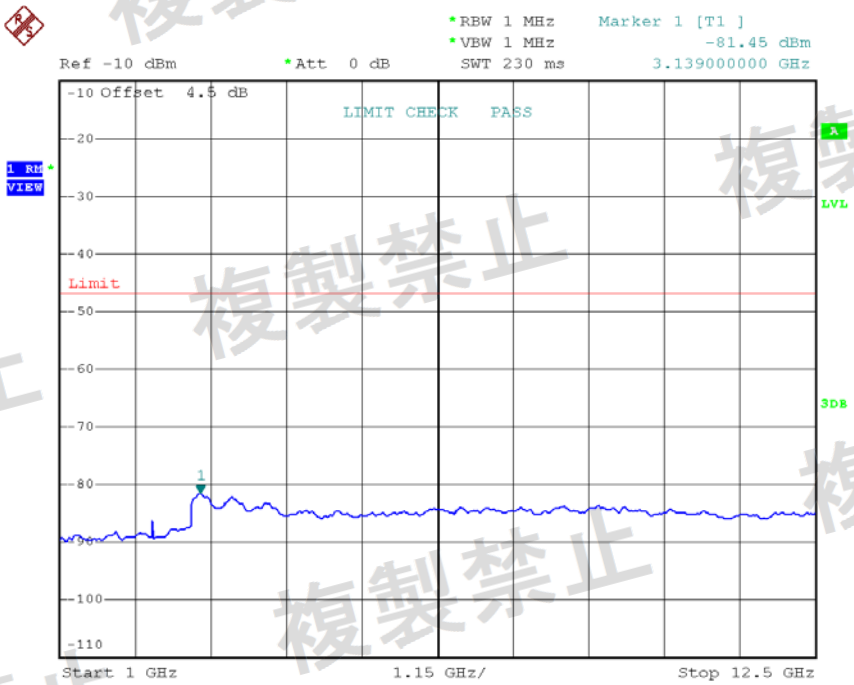
CH01- Frequency Band 6 (30 MHz ≦ f < 1000 MHz)



Date: 24.JUL.2018 17:00:42

Normal Voltage

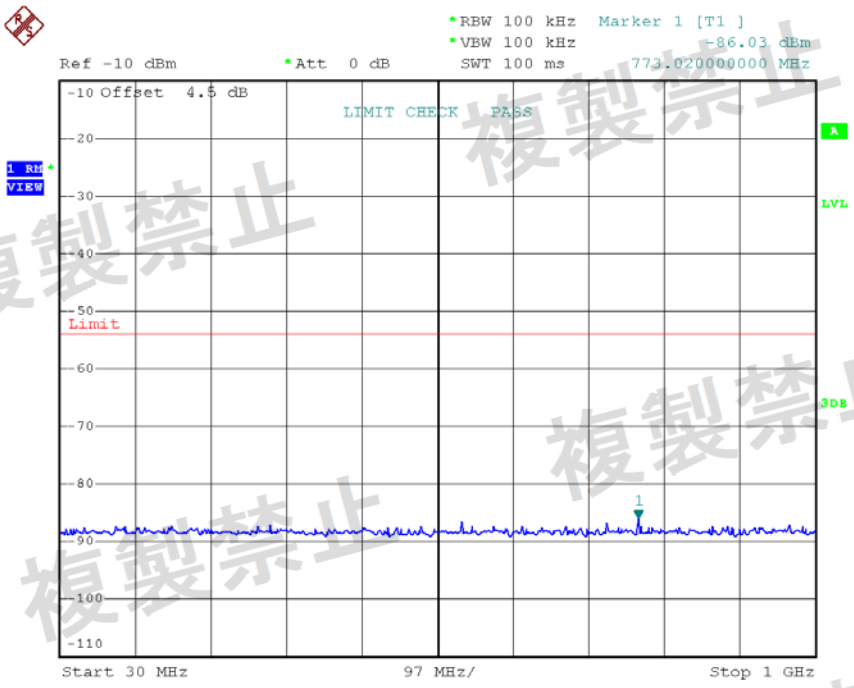
CH01- Frequency Band 7 (1000 MHz ≦ f < 12.5 GHz)



Date: 24.JUL.2018 17:00:53

Normal Voltage

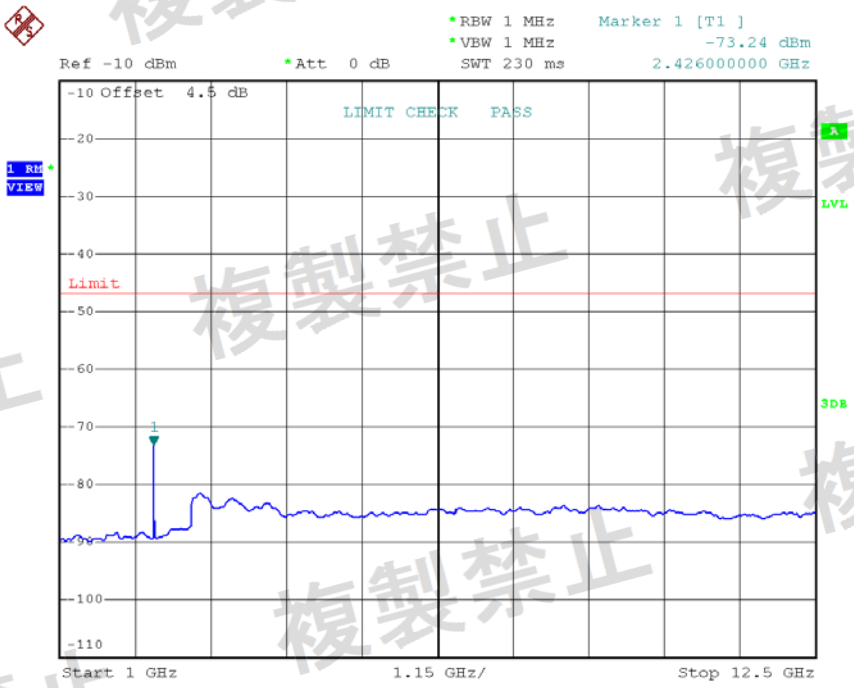
CH07- Frequency Band 6 (30 MHz ≦ f < 1000 MHz)



Date: 24.JUL.2018 17:01:13

Normal Voltage

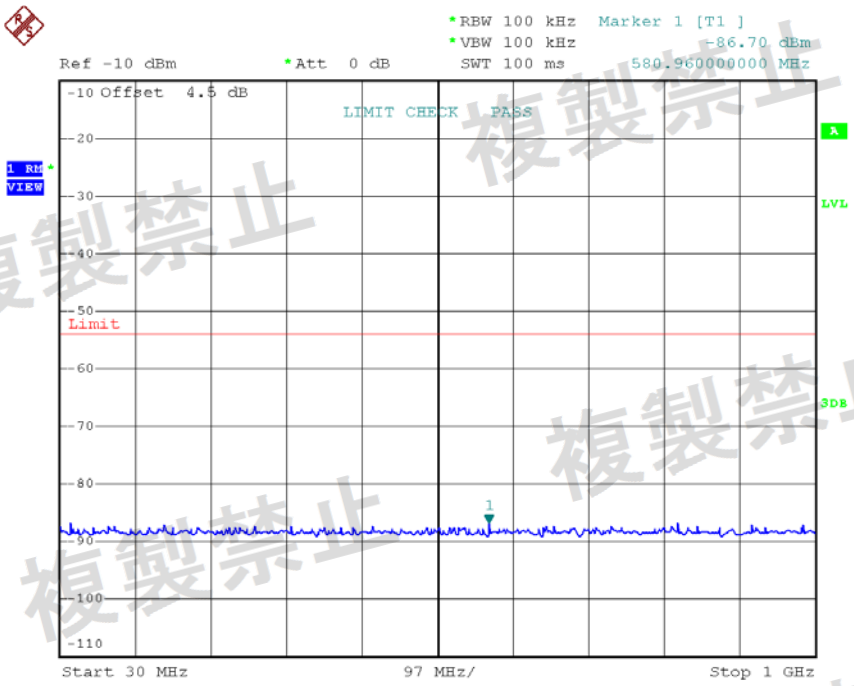
CH07- Frequency Band 7 (1000 MHz ≦ f < 12.5 GHz)



Date: 24.JUL.2018 17:01:24

Normal Voltage

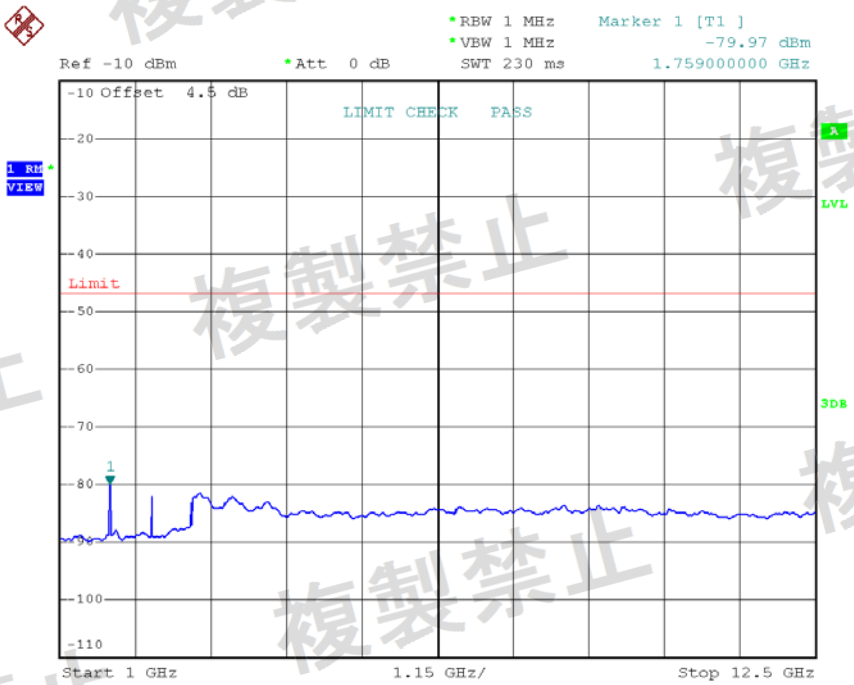
CH13- Frequency Band 6 (30 MHz ≦ f < 1000 MHz)



Date: 24.JUL.2018 17:01:51

Normal Voltage

CH13- Frequency Band 7 (1000 MHz ≦ f < 12.5 GHz)



Date: 24.JUL.2018 17:02:02

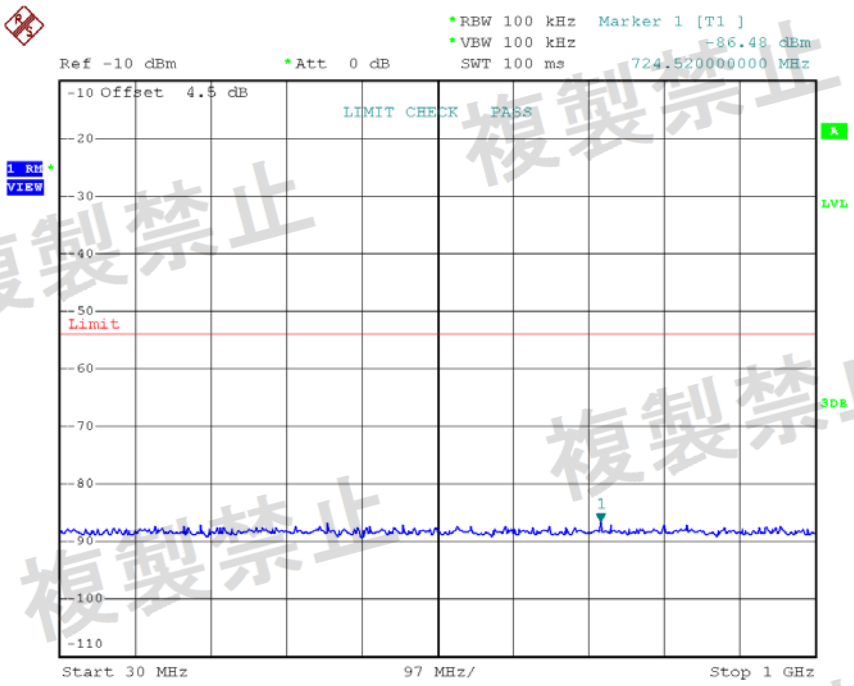
Test Mode:	802.11n(HT20)/CH01,CH07,CH13

Test Voltage		V	Normal Voltage			Remarks
Test Frequency		MHz	2412	2442	2472	Low/Mid/Low of test frequency range
Limitation of Collateral Emission of Receiver	※6	nW	0.0022	0.0021	0.0021	Limit ≦ 4 nW (-54 dBm)
	※7	nW	0.0074	0.0074	0.0072	Limit ≦ 20 nW (-47 dBm)

Note:
Emission value = SA measurement value + Directional gain + cable loss
Directional gain = 10 log (Ant X)
X = the total number of antennas

Normal Voltage

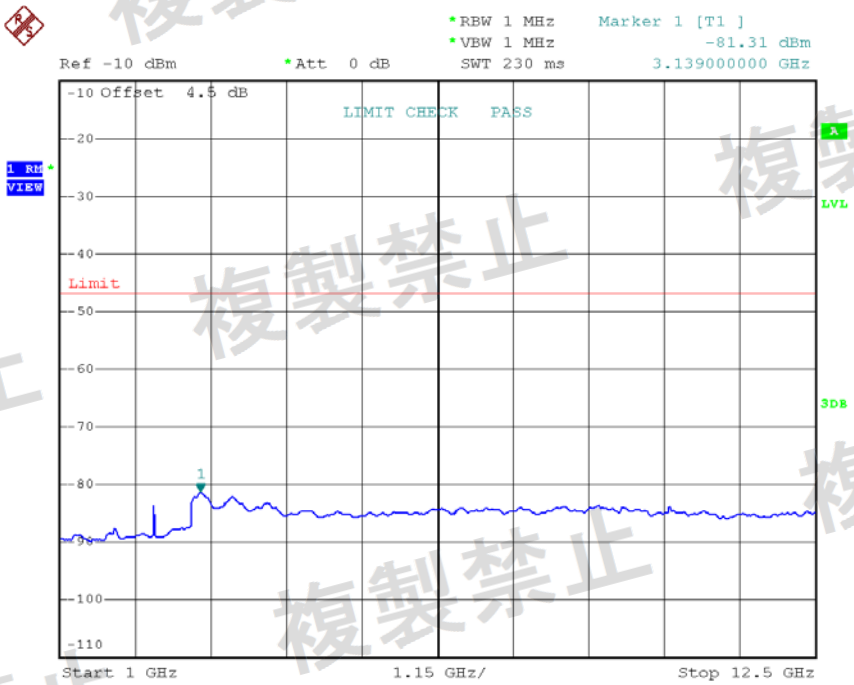
CH01- Frequency Band 6 (30 MHz ≦ f < 1000 MHz)



Date: 24.JUL.2018 17:02:28

Normal Voltage

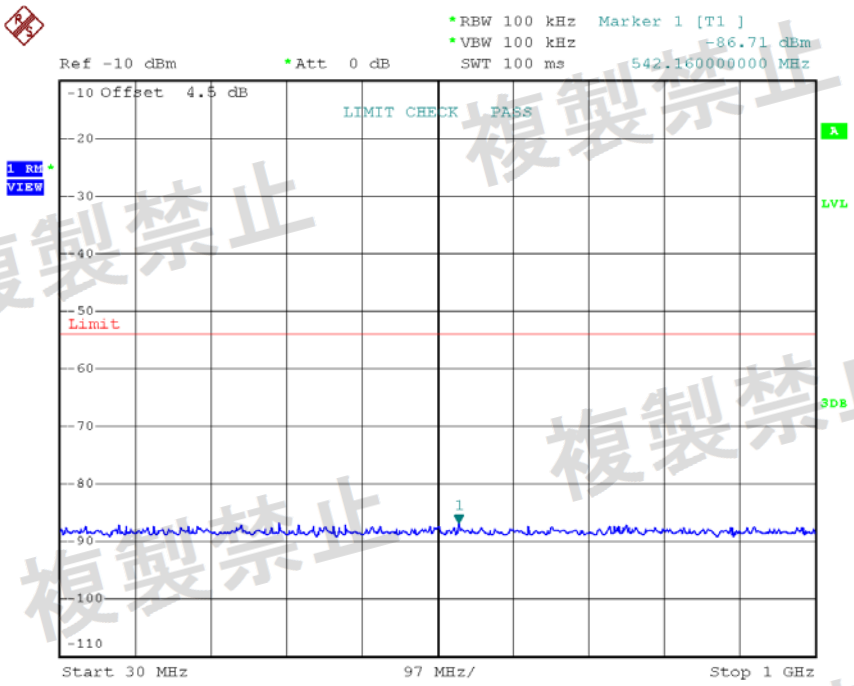
CH01- Frequency Band 7 (1000 MHz ≦ f < 12.5 GHz)



Date: 24.JUL.2018 17:02:39

Normal Voltage

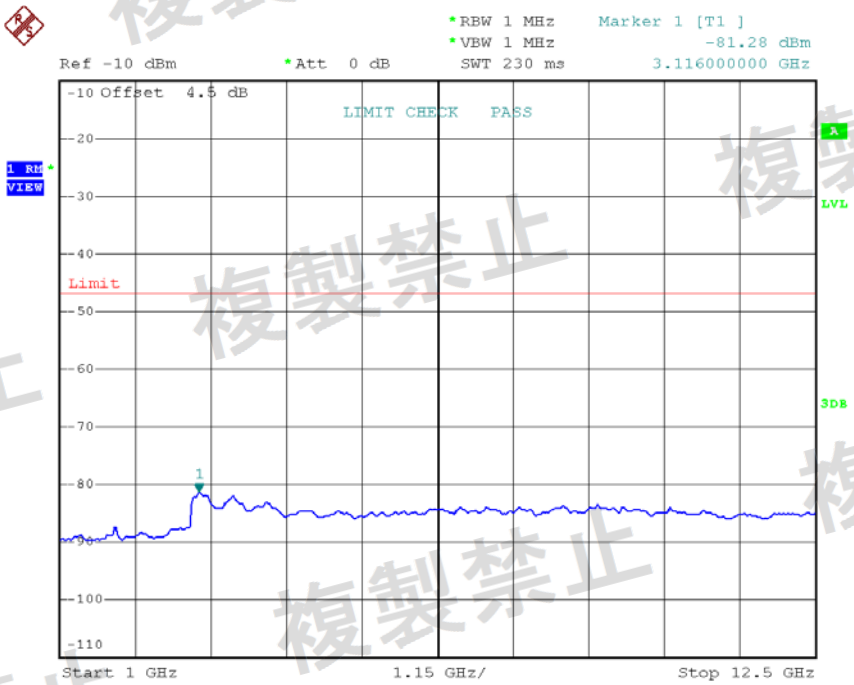
CH07- Frequency Band 6 (30 MHz ≦ f < 1000 MHz)



Date: 24.JUL.2018 17:03:02

Normal Voltage

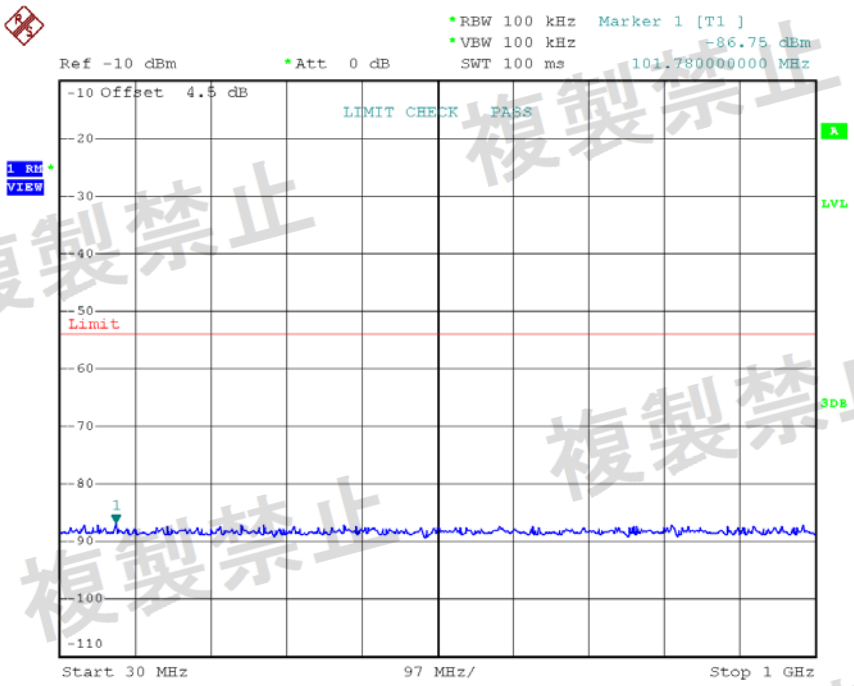
CH07- Frequency Band 7 (1000 MHz ≦ f < 12.5 GHz)



Date: 24.JUL.2018 17:03:13

Normal Voltage

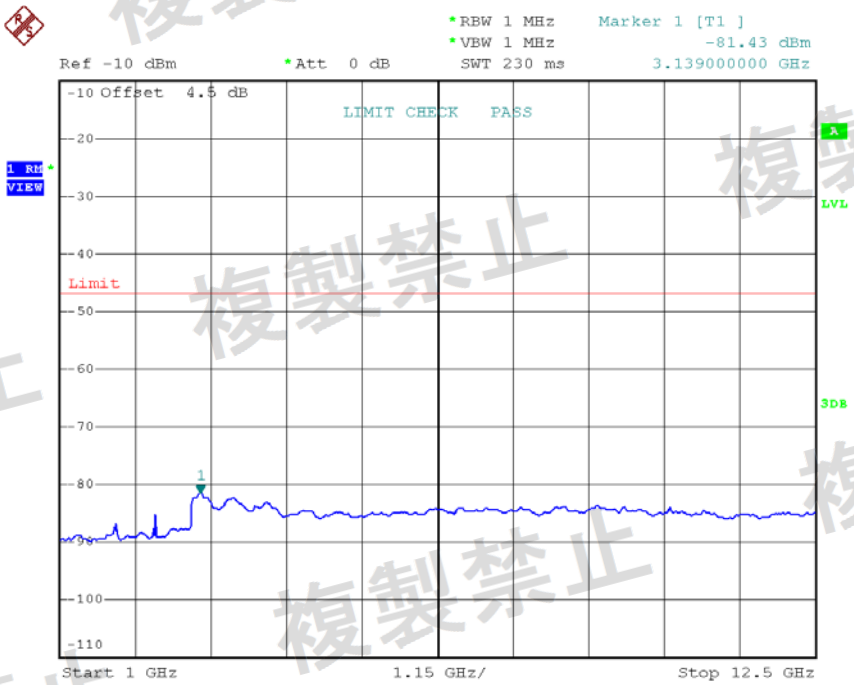
CH13- Frequency Band 6 (30 MHz ≦ f < 1000 MHz)



Date: 24.JUL.2018 17:03:47

Normal Voltage

CH13- Frequency Band 7 (1000 MHz ≦ f < 12.5 GHz)



Date: 24.JUL.2018 17:03:57

Test Mode:	802.11n(HT40)/CH03,CH07,CH11

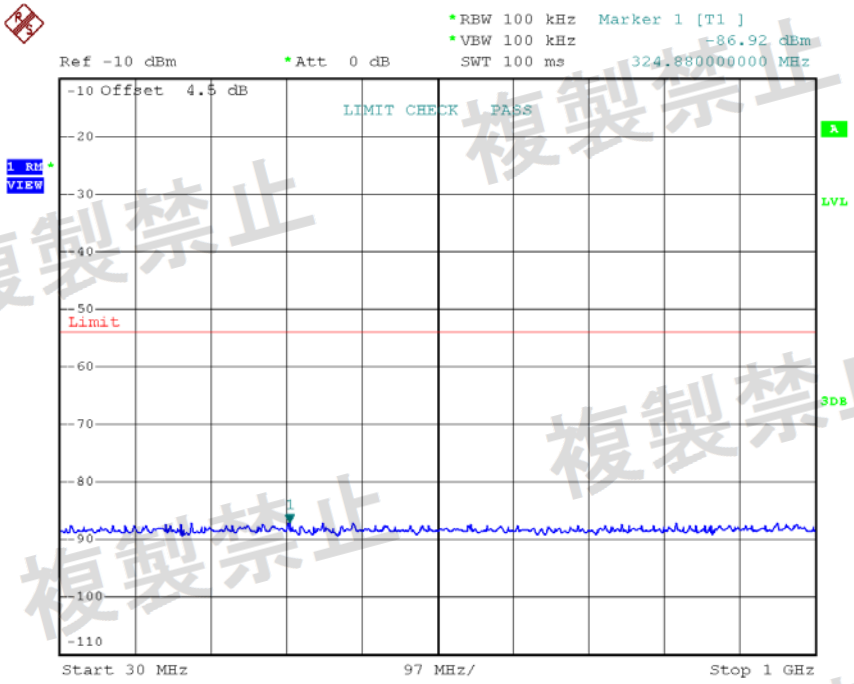
Test Voltage		V	Normal Voltage			Remarks
Test Frequency		MHz	2422	2442	2462	Low/Mid/Low of test frequency range
Limitation of Collateral Emission of Receiver	※6	nW	0.0020	0.0021	0.0020	Limit ≦ 4 nW (-54 dBm)
	※7	nW	0.0072	0.0072	0.0071	Limit ≦ 20 nW (-47 dBm)

Note:
Emission value = SA measurement value + Directional gain + cable loss
Directional gain = 10 log (Ant X)
X = the total number of antennas

複製禁止

Normal Voltage

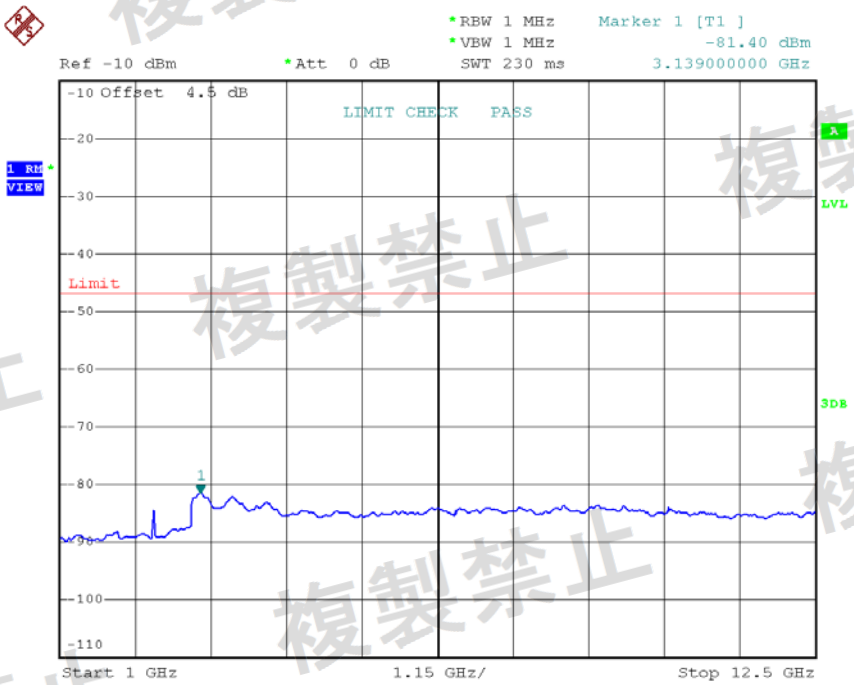
CH03- Frequency Band 6 (30 MHz ≦ f < 1000 MHz)



Date: 24.JUL.2018 17:04:30

Normal Voltage

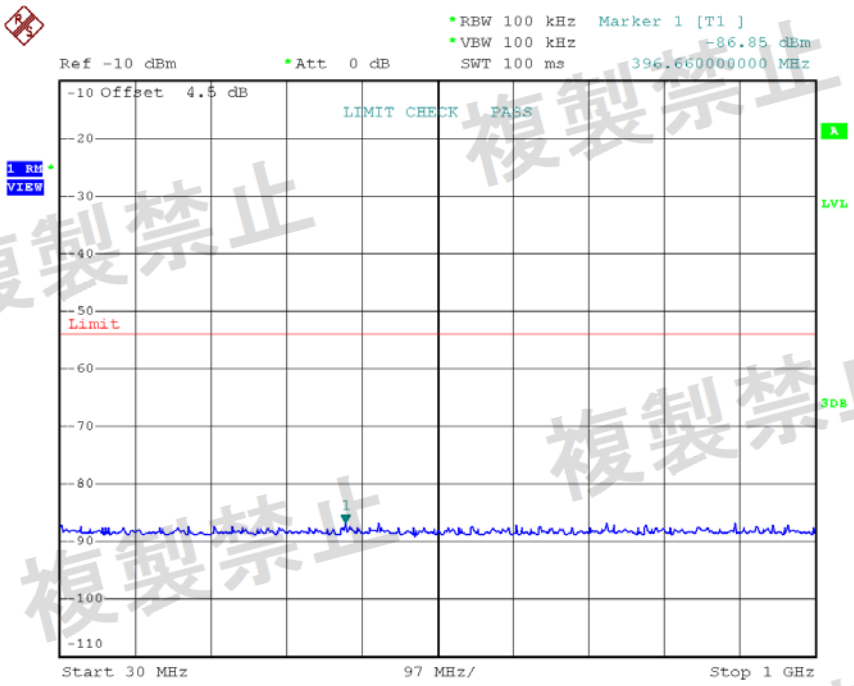
CH03- Frequency Band 7 (1000 MHz ≦ f < 12.5 GHz)



Date: 24.JUL.2018 17:04:40

Normal Voltage

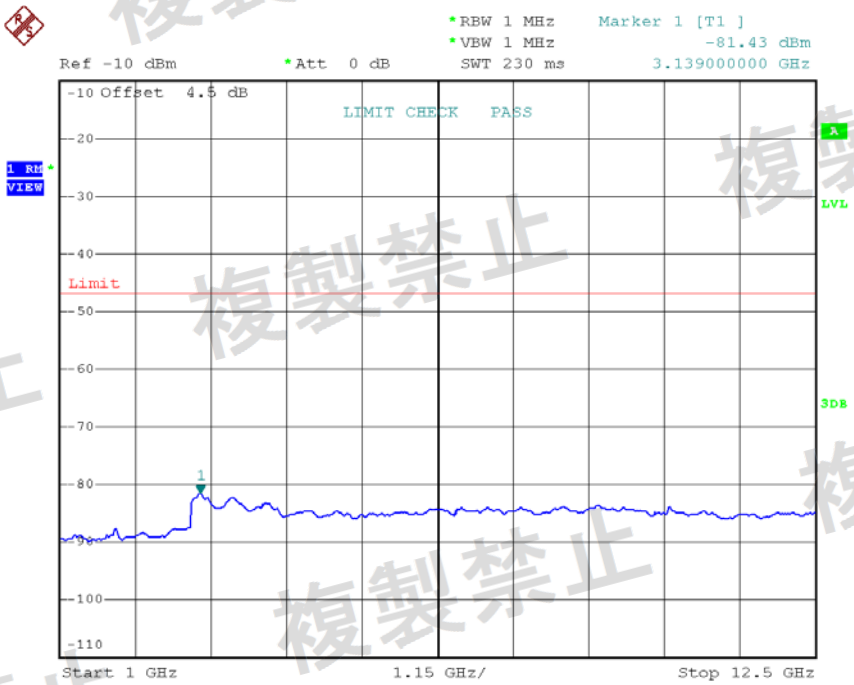
CH07- Frequency Band 6 (30 MHz ≦ f < 1000 MHz)



Date: 24.JUL.2018 17:05:02

Normal Voltage

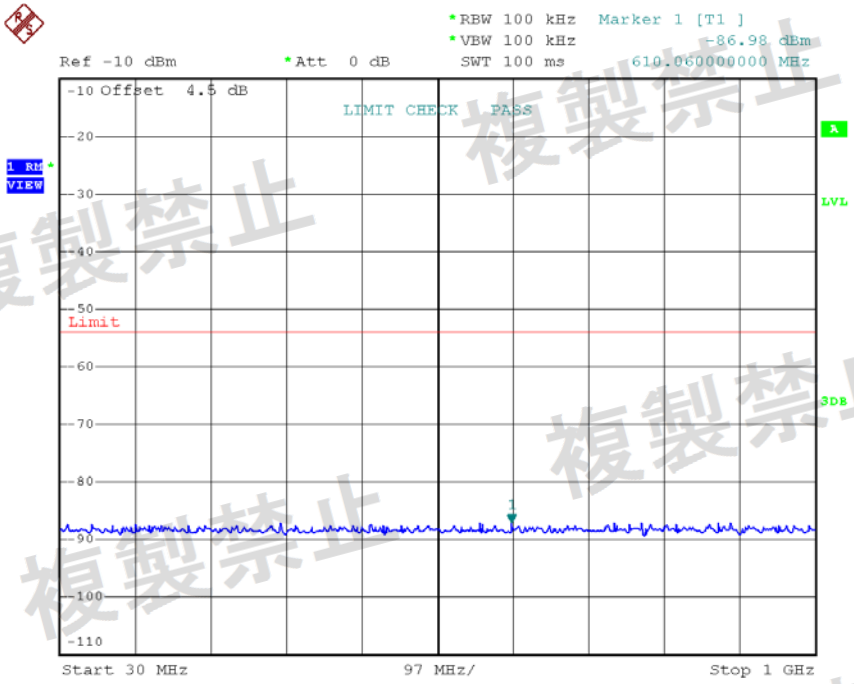
CH07- Frequency Band 7 (1000 MHz ≦ f < 12.5 GHz)



Date: 24.JUL.2018 17:05:13

Normal Voltage

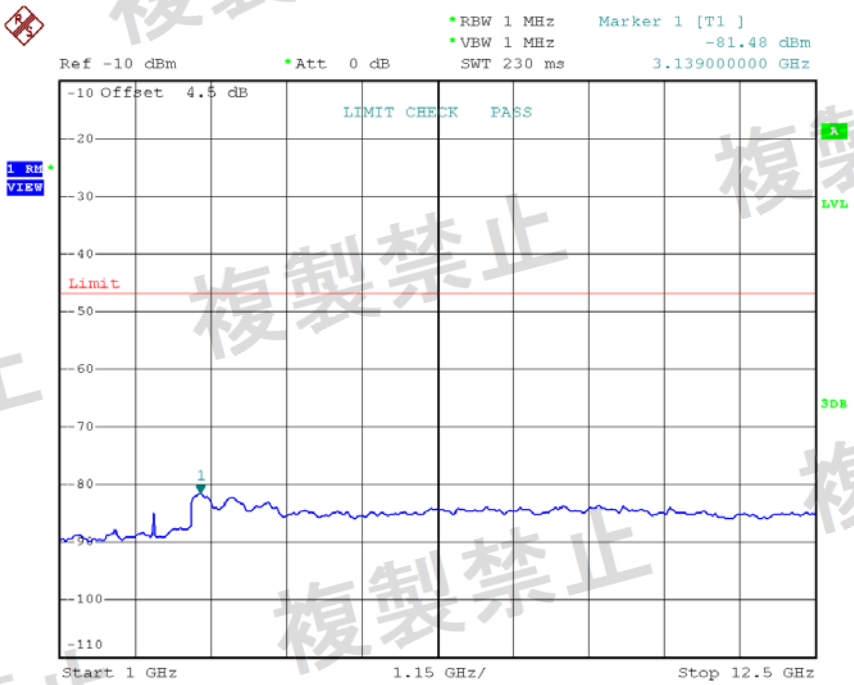
CH11- Frequency Band 6 (30 MHz ≦ f < 1000 MHz)



Date: 24.JUL.2018 17:05:33

Normal Voltage

CH11- Frequency Band 7 (1000 MHz ≦ f < 12.5 GHz)



Date: 24.JUL.2018 17:05:43

Test Mode:	802.11ac(VHT20)/CH01,CH07,CH13

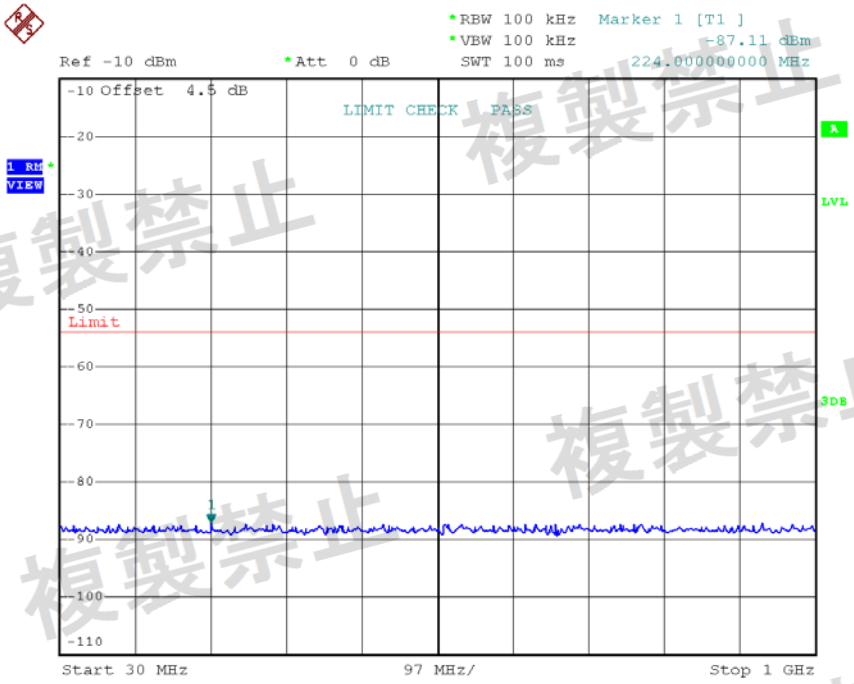
Test Voltage		V	Normal Voltage			Remarks
Test Frequency		MHz	2412	2442	2472	Low/Mid/Low of test frequency range
Limitation of Collateral Emission of Receiver	※6	nW	0.0019	0.0021	0.0022	Limit ≦ 4 nW (-54 dBm)
	※7	nW	0.0236	0.0074	0.0073	Limit ≦ 20 nW (-47 dBm)

Note:
Emission value = SA measurement value + Directional gain + cable loss
Directional gain = 10 log (Ant X)
X = the total number of antennas

複製禁止

Normal Voltage

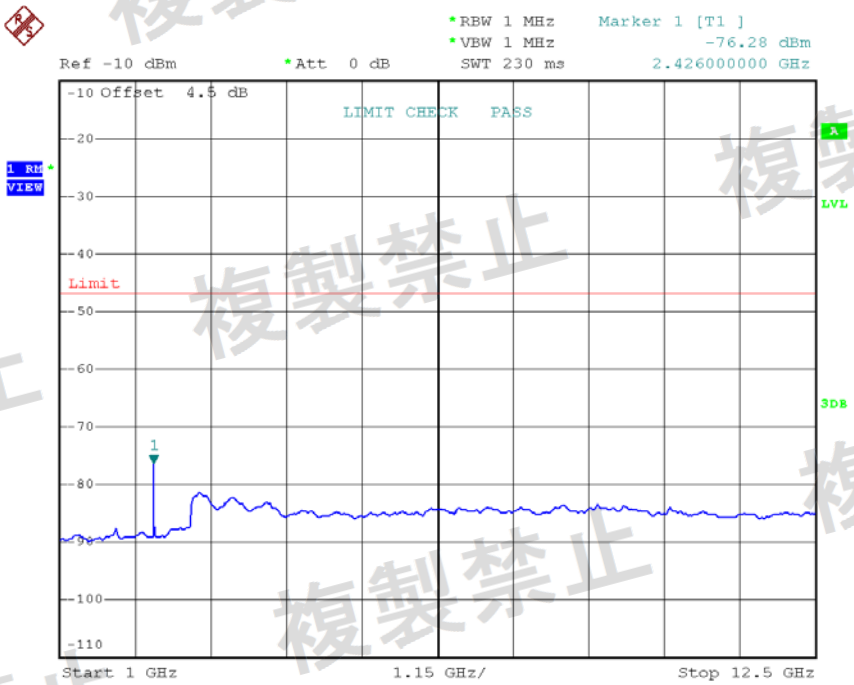
CH01- Frequency Band 6 (30 MHz ≦ f < 1000 MHz)



Date: 24.JUL.2018 17:06:29

Normal Voltage

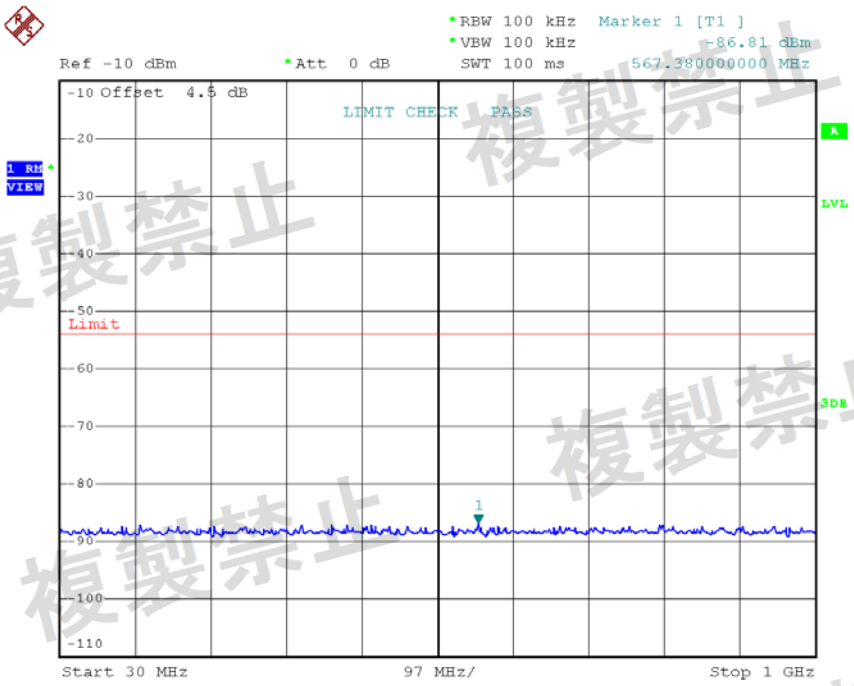
CH01- Frequency Band 7 (1000 MHz ≦ f < 12.5 GHz)



Date: 24.JUL.2018 17:06:38

Normal Voltage

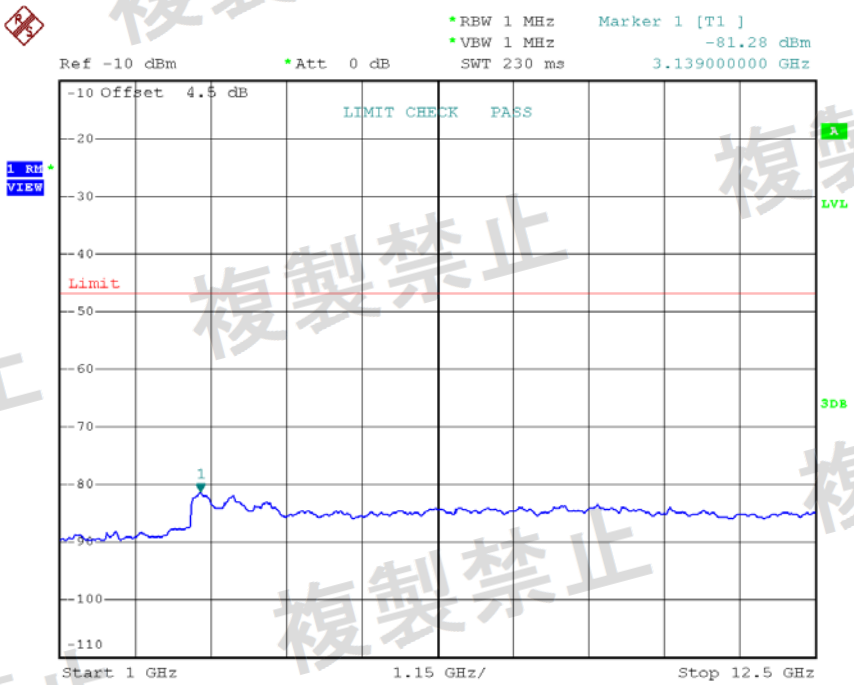
CH07- Frequency Band 6 (30 MHz ≦ f < 1000 MHz)



Date: 24.JUL.2018 17:06:55

Normal Voltage

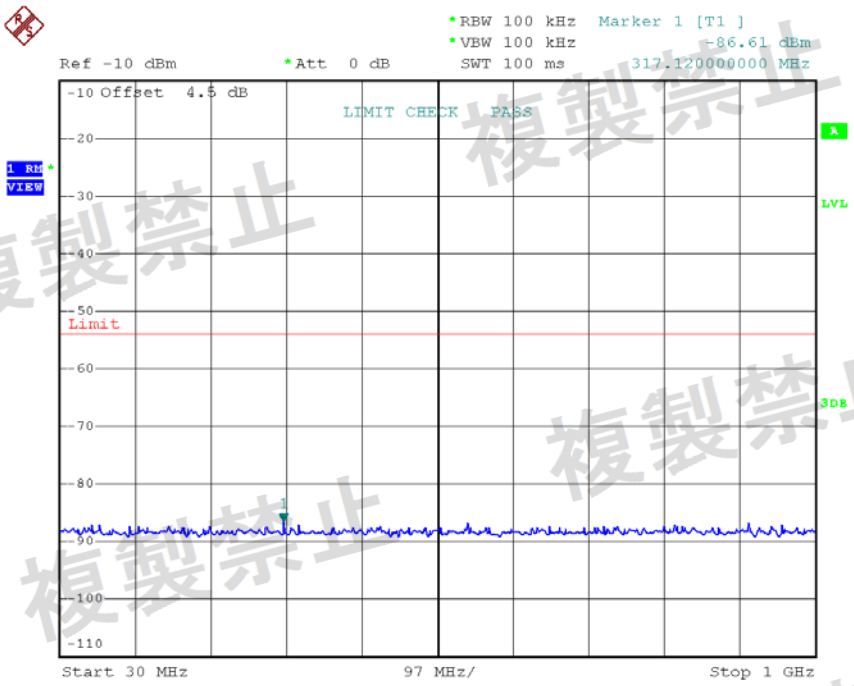
CH07- Frequency Band 7 (1000 MHz ≦ f < 12.5 GHz)



Date: 24.JUL.2018 17:07:04

Normal Voltage

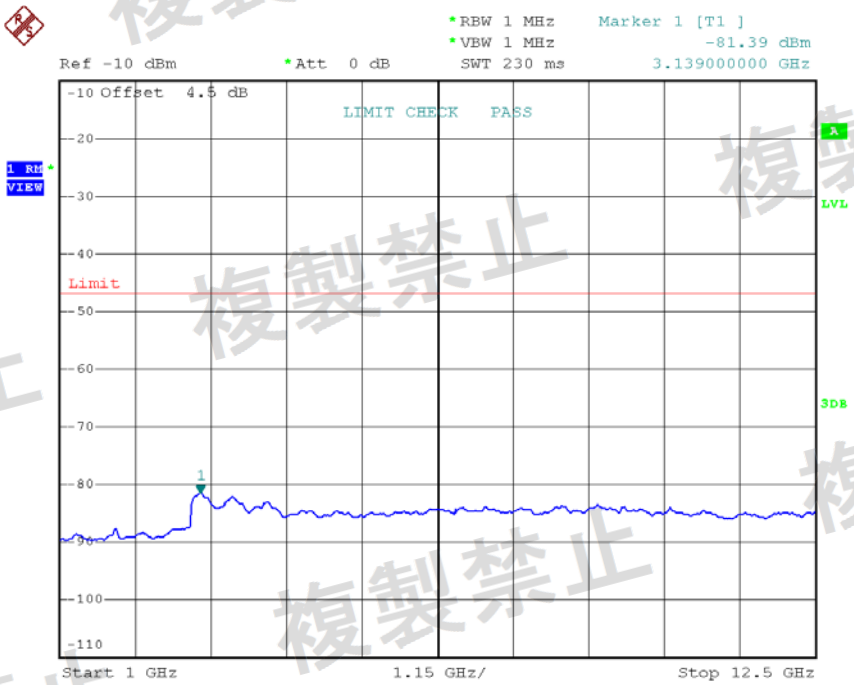
CH13- Frequency Band 6 (30 MHz ≦ f < 1000 MHz)



Date: 24.JUL.2018 17:07:19

Normal Voltage

CH13- Frequency Band 7 (1000 MHz ≦ f < 12.5 GHz)



Date: 24.JUL.2018 17:07:29

Test Mode:	802.11ac(VHT40)/CH03,CH07,CH11

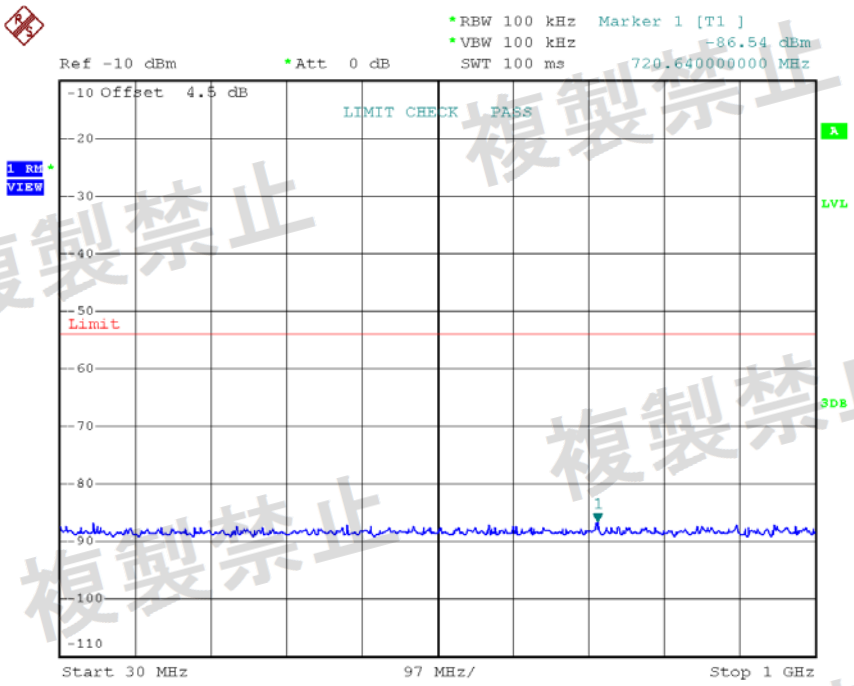
Test Voltage		V	Normal Voltage			Remarks
Test Frequency		MHz	2422	2442	2462	Low/Mid/Low of test frequency range
Limitation of Collateral	※6	nW	0.0022	0.0022	0.0022	Limit ≦ 4 nW (-54 dBm)
Emission of Receiver	※7	nW	0.0073	0.0071	0.0166	Limit ≦ 20 nW (-47 dBm)

Note:
Emission value = SA measurement value + Directional gain + cable loss
Directional gain = 10 log (Ant X)
X = the total number of antennas

複製禁止

Normal Voltage

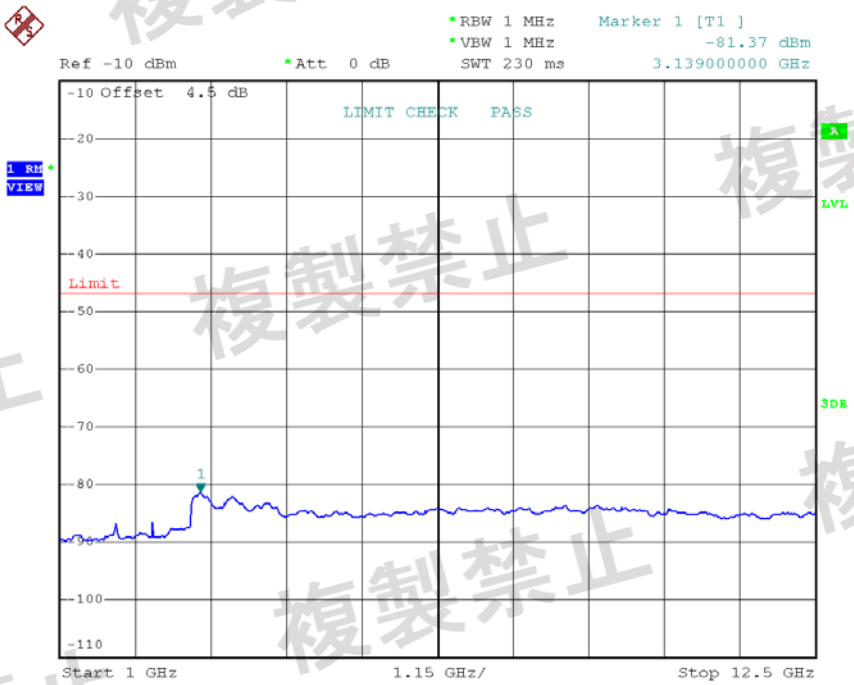
CH03- Frequency Band 6 (30 MHz ≦ f < 1000 MHz)



Date: 24.JUL.2018 17:08:44

Normal Voltage

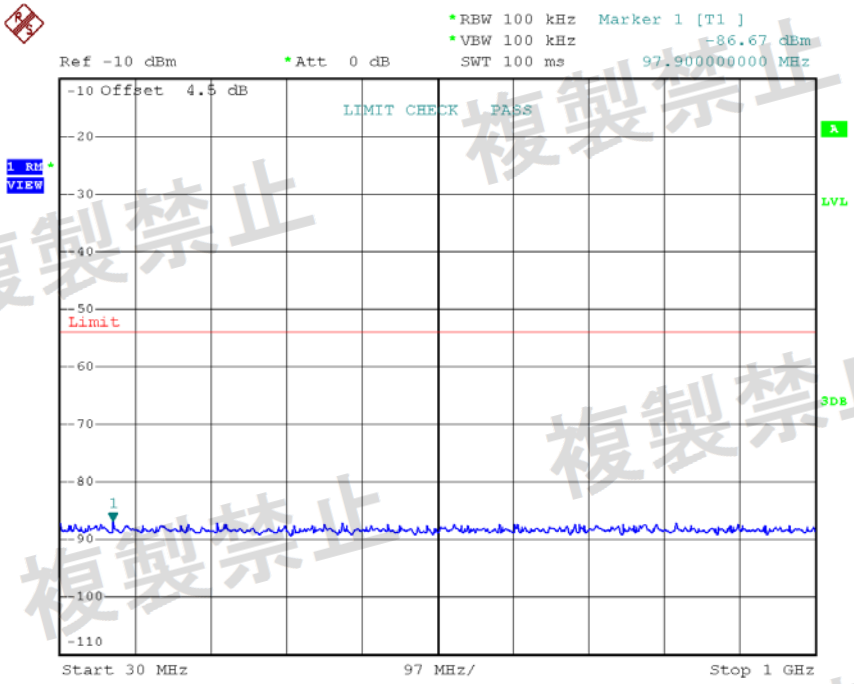
CH03- Frequency Band 7 (1000 MHz ≦ f < 12.5 GHz)



Date: 24.JUL.2018 17:08:55

Normal Voltage

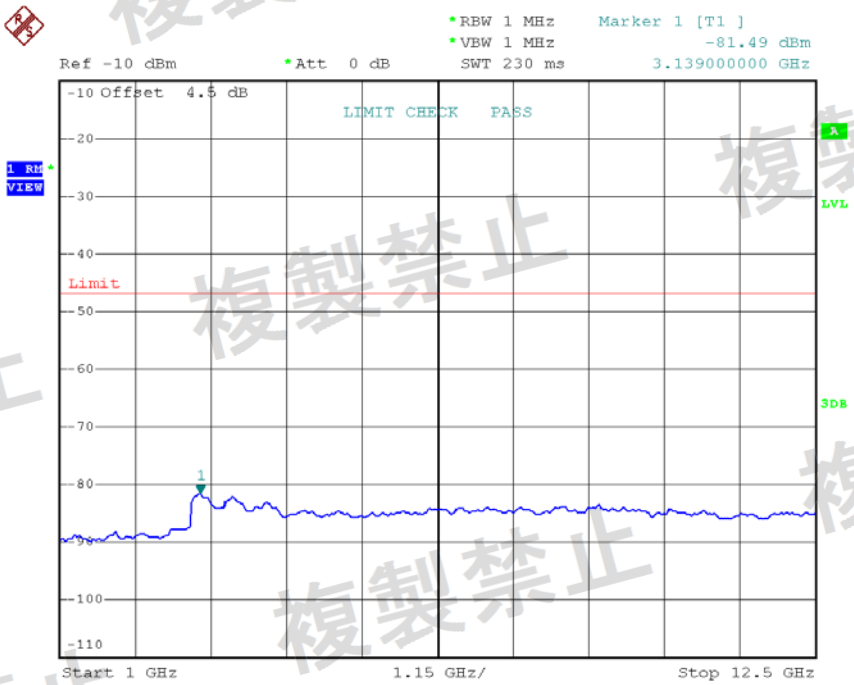
CH07- Frequency Band 6 (30 MHz ≦ f < 1000 MHz)



Date: 24.JUL.2018 17:09:17

Normal Voltage

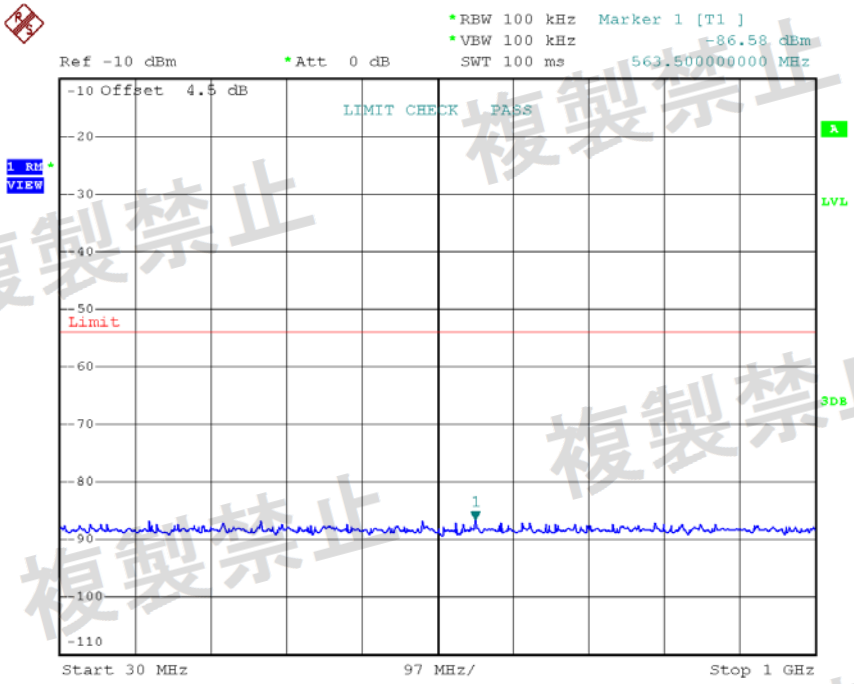
CH07- Frequency Band 7 (1000 MHz ≦ f < 12.5 GHz)



Date: 24.JUL.2018 17:09:28

Normal Voltage

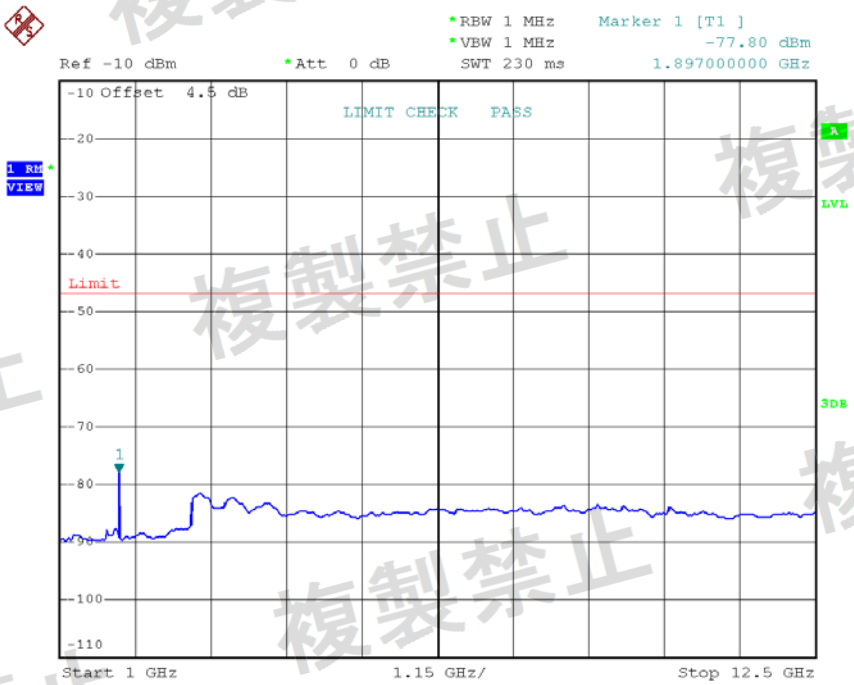
CH11- Frequency Band 6 (30 MHz ≦ f < 1000 MHz)



Date: 24.JUL.2018 17:09:47

Normal Voltage

CH11- Frequency Band 7 (1000 MHz ≦ f < 12.5 GHz)



Date: 24.JUL.2018 17:09:58