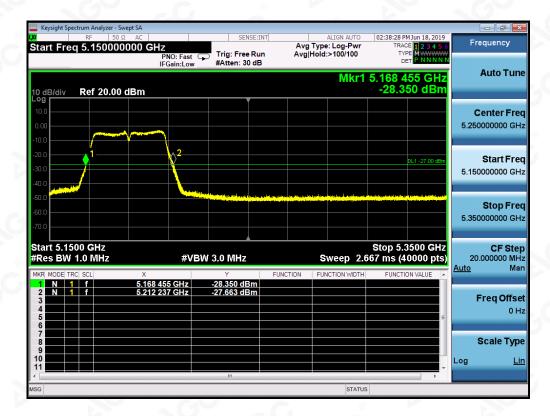
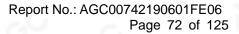
Report No.: AGC00742190601FE06 Page 71 of 125

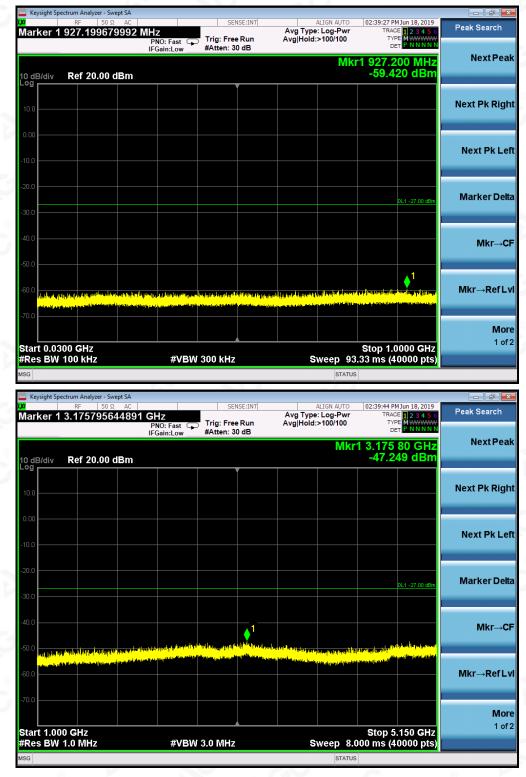




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Agilent S	Spectrum Analyzer	- Swept SA 50 Ω DC		SEN	SE:INT		ALIGN AUTO	07:23:00 PM	Jun 18, 2019	
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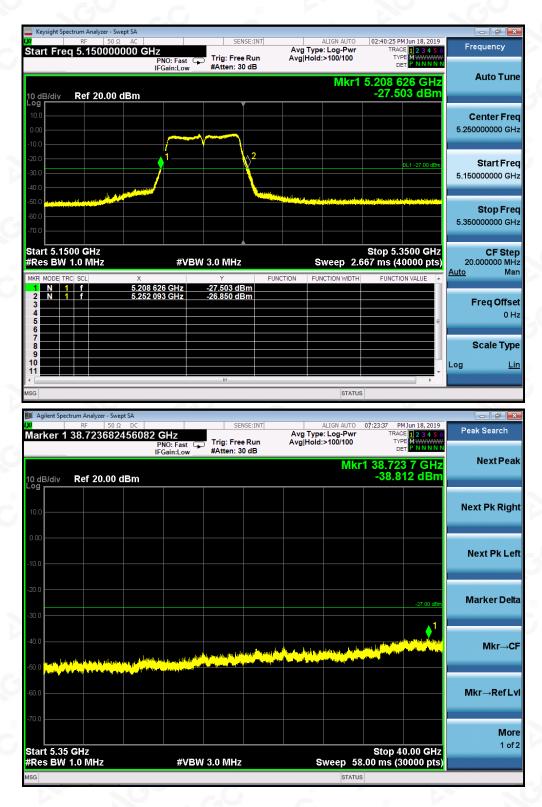
TEST PLOT OF OUT OF BAND EMISSIONS FOR MODULATION IN 5230MHz



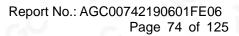
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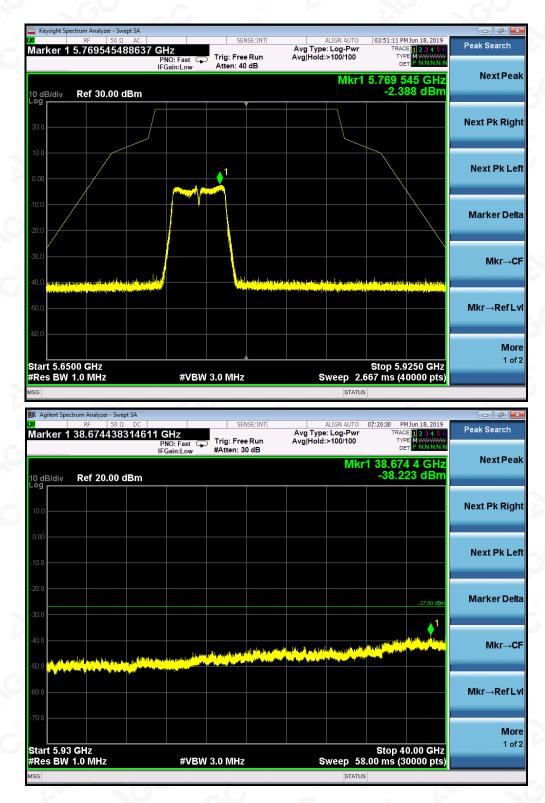
Keysight Spectr	RF 50 Ω	AC		SEI	NSE:INT		ALIGN AUTO	03:50:01 P	M Jun 18, 2019	
larker 1 8		7336 MH	IZ PNO: Fast ⊂ FGain:Low	Teles Free	e Run	Avg Type	e: Log-Pwr :>100/100	TRA	CE 1 2 3 4 5 6 PE M WWWWW ET P N N N N N	Peak Search
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Iarker 1 5 0 dB/div 0 g 0 0 0	00 kHz um Analyzer - Sw RE 50 Ω C6054751 Ref 20.00 (dBm	PNO: Fast FGain:Low	Trig: Free Atten: 30	vse:int e Run) dB	Avg Type Avg Hold	ALIGN AUTO 2: Log-Pwr >100/100 MKr	.33 ms (⁴	40000 pts) MJun 18, 2019 CE 1 2 3 4 5 6 P NN NN N 48 GHz 96 dBm 0L1 -27.00 dBm	Peak Search Next Pea
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Res BW 10 Keysight Spectr arker 1 5 arker	00 kHz RF 50 Ω 6054751: Ref 20.00 d	dBm	PNO: Fast FGain:Low	Trig: Free Atten: 30	VSE:INT		ALIGN AUTO : Log-Pwr >100/100 MKr	.33 ms (2 03:50:20 F TRA TY 1 5.605 -46.7	40000 pts) MJun 18, 2019 CE 1 2 3 4 5 6 P NN NN N 48 GHz 96 dBm 0L1 -27.00 dBm	Peak Search Next Pea Next Pk Rig Next Pk Lo Marker De Mkr→C

TEST PLOT OF OUT OF BAND EMISSIONS FOR MODULATION IN 5755MHz



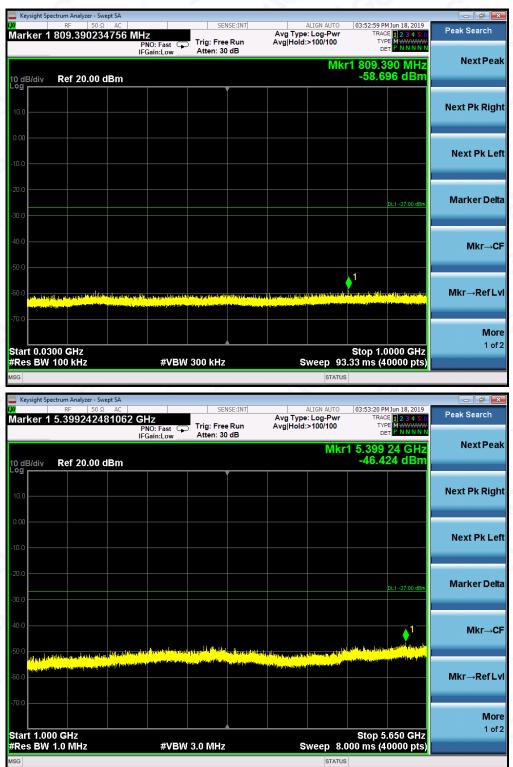
 $\label{eq:attestation} Attestation of Global Compliance (Shenzhen) Co., Ltd.$







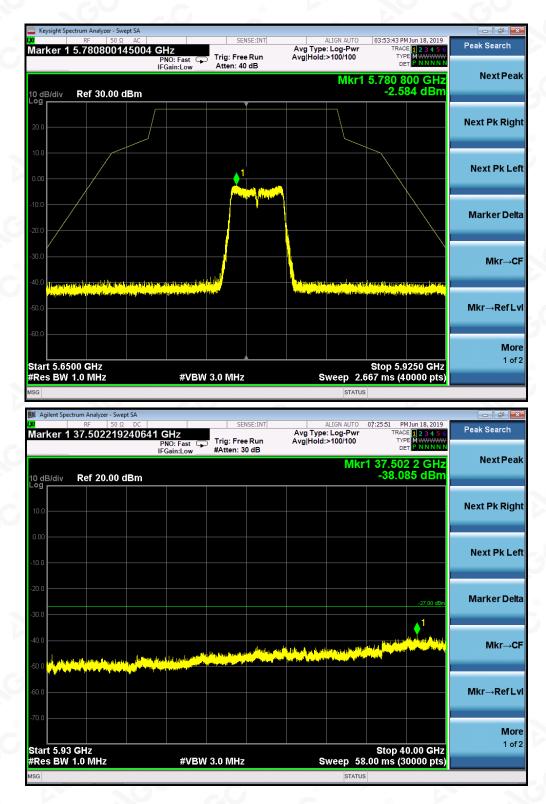




TEST PLOT OF OUT OF BAND EMISSIONS FOR MODULATION IN 5795MHz











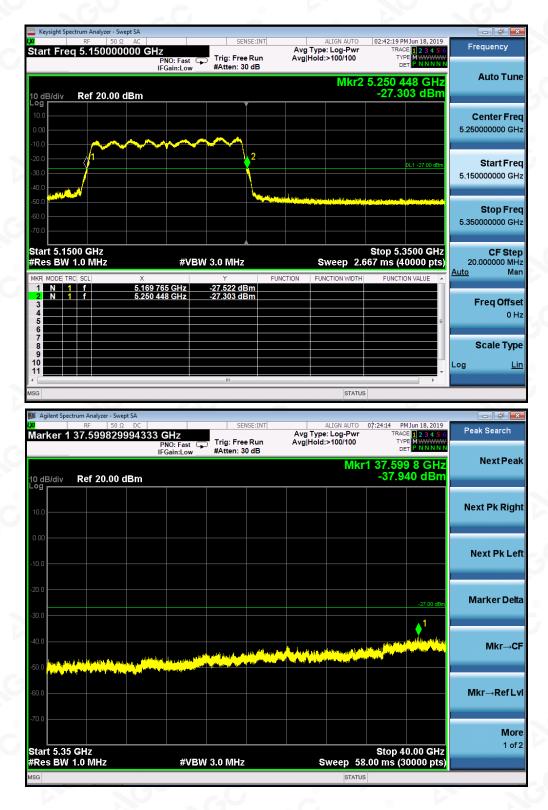
FOR 802.11AC80 MODULATION

TEST PLOT OF OUT OF BAND EMISSIONS FOR MODULATION IN 5210MHz

02:41:25 PM Jun 18, 2019 Peak Search Avg Type: Log-Pwr Avg|Hold:>100/100 1 2 3 4 5 Marker 1 697.522188055 MHz PNO: Fast Trig: Free Run IFGain:Low #Atten: 30 dB Next Peak 697.522 MHz -58.909 dBm Mkr1 10 dB/div Ref 20.00 dBm Next Pk Right Next Pk Left Marker Delta Mkr→CF Mkr→RefLvl More 1 of 2 Stop 1.0000 GHz Sweep 93.33 ms (40000 pts) Start 0.0300 GHz #Res BW 100 kHz #VBW 300 kHz STATUS Keysight Spectrum Analyzer - Swept SA un 18, 2019 Marker 1 5.120845521138 GHz Avg Type: Log-Pwr Avg|Hold:>100/100 **Peak Search** Trig: Free Run #Atten: 30 dB PNO: Fast IFGain:Low DI Next Peak Mkr1 5.120 85 GHz -43.614 dBm Ref 20.00 dBm 10 dB/div Next Pk Right Next Pk Left Marker Delta Mkr→CF Mkr→RefLvl More 1 of 2 Start 1.000 GHz #Res BW 1.0 MHz Stop 5.150 GHz Sweep 8.000 ms (40000 pts) #VBW 3.0 MHz

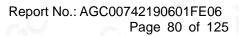








Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu, Xixiang, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail:agc@agc-cert.com





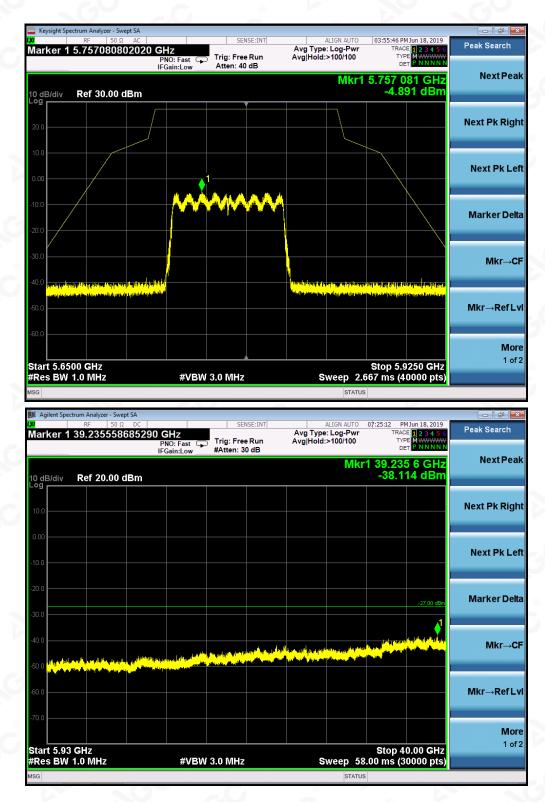
Keysight Spi	RF 50			SEN	SE:INT		ALIGN AUTO	03:55:05 P	M Jun 18, 2019	
larker 1	961.7810	44526 MH	Z PNO: Fast ⊂ Gain:Low	THEF	Run		e: Log-Pwr	TRAC		Peak Search
		11	Gain:Low	Atten: 00	ub.		Mkr		'81 MHz	NextPea
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°g										
10.0										Next Pk Righ
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ian 0.05	IUU GHZ							Stop 1.	JUUU GHZ	
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Res BW	100 kHz		#VBW	1 300 kHz		S	weep 93. Status	33 ms (4	0000 pts)	
SG		Swept SA	#VBW	/ 300 kHz		S		33 ms (4	.0000 pts)	
SG Keysight Sp	ectrum Analyzer - S RF 50	Ω AC		_	NSE:INT		STATUS	03:55:26 P	M Jun 18, 2019	@ Peak Search
SG Keysight Sp	ectrum Analyzer - S	Ω AC 168679 G	Hz PNO: Fast) Trig: Free	Run		STATUS	03:55:26 P TRAC	MJun 18, 2019 DE 112 3 4 5 6	Peak Search
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SG Image: SG Isrker 1 Image: SG Iarker 1 Image: SG 0 dB/div	ectrum Analyzer - 5 RF 50 5.636747 Ref 20.00	Ω AC 168679 G I dBm	HZ PNO: Fast Gain:Low	SEN Trig: Free Atten: 30		Avg Type Avg Hold	ALIGN AUTO :: Log-Pwr :>100/100 MIKT	03:55:26 P TRAC TVI DI 5.636 -46.2	MJun 18, 2019 E 2 3 4 5 6 E P NNNNN 75 GHz 00 dBm	Peak Search Next Pea Next Pk Rigi Next Pk Le Marker Def
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Go Keysight Spid Itarker 1 Image: Spid Itarker 1	ectrum Analyzer - 5 RF 50 5.636747 Ref 20.00	Ω AC 168679 G I dBm	HZ PNO: Fast Gain:Low	SEN Trig: Free Atten: 30		Avg Type Avg Hold	STATUS ALIGN AUTO :: Log-Pwr :>100/100	03:55:26 P TRAC TVI DI 5.636 -46.2	MJun 18, 2019 E 2 3 4 5 6 E MINIMIN 75 GHz 00 dBm	Peak Search Next Pea Next Pk Rigi Next Pk Le Marker Dei Mkr→C
G Keysight Spin Iarker 1 Iarker 1 0<	ectrum Analyzer - 5 RF 50 5.636747 Ref 20.00	Ω AC 168679 G I dBm	HZ PNO: Fast Gain:Low	SEN Trig: Free Atten: 30		Avg Type Avg Hold	STATUS ALIGN AUTO :: Log-Pwr :>100/100	03:55:26 P TRAC TVI DI 5.636 -46.2	MJun 18, 2019 E 2 3 4 5 6 E MINIMIN 75 GHz 00 dBm	Peak Search Next Pea Next Pk Righ Next Pk Le Marker Def MkrC MkrRef L
SG Image: second s	ectrum Analyzer - 5 RF 50 5.636747 Ref 20.00 	Ω AC 168679 G I dBm	HZ PNO: Fast Gain:Low	SEN Trig: Free Atten: 30		Avg Type Avg Hold	STATUS ALIGN AUTO :: Log-Pwr :>100/100	03:55:26 P TRAC TVI DI 5.636 -46.2	MJun 18, 2019 E 2 3 4 5 6 E M WWWW 75 GHz 00 dBm DL1 -27 00 dBm	Peak Search Next Pea Next Pk Rigi Next Pk Le Marker Dei Mkr→C Mkr→Ref L
36 Keysight Spin Iarker 1 0	ectrum Analyzer - 5 RF 50 5.636747 Ref 20.00 	Ω AC 168679 G I dBm	HE PNO: Fast Gain:Low	SEN Trig: Free Atten: 30			STATUS ALIGN AUTO :: Log-Pwr :>100/100	03:55:26 P TRAC TVI 5.636 -46.2	MJun 18, 2019 E 12 3 4 5 6 E M WWWWW 75 GHz 00 dBm	Peak Search Next Pea Next Pk Righ Next Pk Le Marker Def MkrC MkrRef L

TEST PLOT OF OUT OF BAND EMISSIONS FOR MODULATION IN 5775MHz



 $\label{eq:attestation} Attestation of Global Compliance (Shenzhen) Co., Ltd.$









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Note: All the 20MHz bandwidth modulation had been tested, the 802.11a20 was the worst case and record in his test report. All the 40MHz bandwidth modulation had been tested, the 802.11N40 was the worst case and record in his test report. All the 80MHz bandwidth modulation had been tested, the 802.11ac80 was the worst case and record in his test report.

Two transmit chains had been tested, the chain 0 was the worst case and record in the test report. The spurious emission at chain 0 is more than 6dB below the limits, so the MIMO results for the spurious emissions are comply with the requirement.





12. RADIATED EMISSION

9.1. MEASUREMENT PROCEDURE

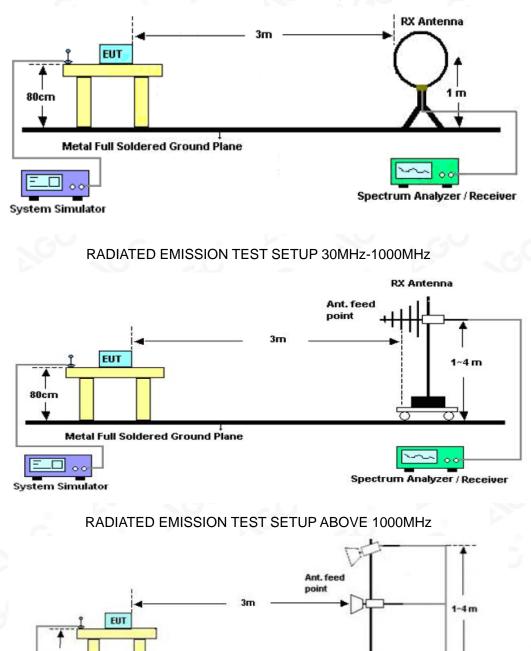
- 1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz RBW and 3M VBW for peak reading. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
- 8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.





9.2. TEST SETUP

Radiated Emission Test-Setup Frequency Below 30MHz





1.5m

System Simulator

Metal Full Soldered Ground Plane

Attestation of Global Compliance(Shenzhen)Co.,Ltd.

ctrum Analyzer / Rec

9.3. LIMITS AND MEASUREMENT RESULT

15.209(a) Limit in the below table has to be followed

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note: All modes were tested For restricted band radiated emission,

the test records reported below are the worst result compared to other modes.

9.4. TEST RESULT

RADIATED EMISSION BELOW 30MHZ

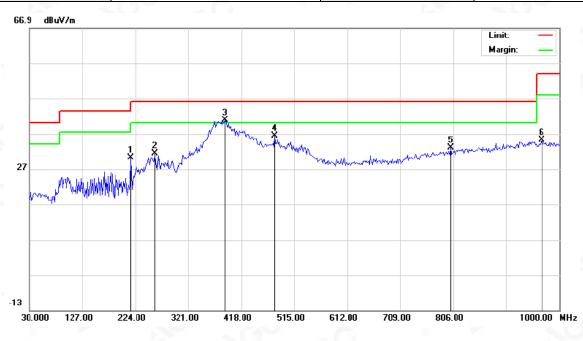
No emission found between lowest internal used/generated frequencies to 30MHz.





RADIATED EMISSION BELOW 1GHZ

EUT	Dual Band Wireless USB Adapter	Model Name	XHT-6B16
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5180MHz	Antenna	Horizontal



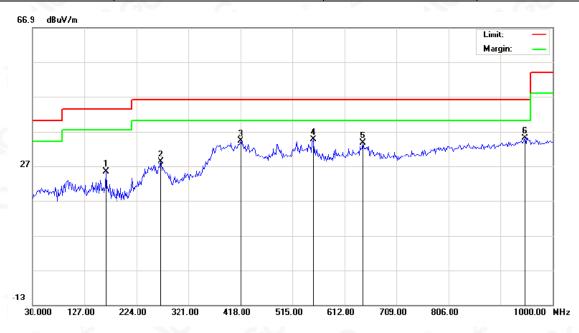
No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBuV	dB/m	dBu∨/m	dBu∀/m	dB		cm	degree	
1		215.9167	13.28	17.00	30.28	43.50	-13.22	peak			
2		259.5667	13.17	18.32	31.49	46.00	-14.51	peak			
3	*	388.9000	18.26	22.59	40.85	46.00	-5.15	peak			
4		479.4333	11.84	24.58	36.42	46.00	-9.58	peak			
5		801.1500	2.60	30.42	33.02	46.00	-12.98	peak			
6		967.6667	3.00	32.28	35.28	54.00	-18.72	peak			

RESULT: PASS





EUT	Dual Band Wireless USB Adapter	Model Name	XHT-6B16
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5180MHz	Antenna	Vertical



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	•	MHz	dBuV	dB/m	dBu∨/m	dBuV/m	dB		cm	degree	
1		167.4167	6.88	18.43	25.31	43.50	-18.19	peak			
2		269.2667	9.17	19.07	28.24	46.00	-17.76	peak			
3		418.0000	10.90	23.34	34.24	46.00	-11.76	peak			
4		553.8000	8.53	26.04	34.57	46.00	-11.43	peak			
5		645.9500	6.13	27.50	33.63	46.00	-12.37	peak			
6	*	948.2667	2.90	32.12	35.02	46.00	-10.98	peak			

RESULT: PASS

Note: All test channels had been tested. The 802.11a20 at 5180MHz is the worst case and recorded in the test report.

Factor = Antenna Factor + Cable loss - Amplifier gain, Margin= Limit-Level.

The "Factor" value can be calculated automatically by software of measurement system.



RADIATED EMISSION ABOVE 1GHZ

EUT	Dual Band Wireless USB Adapter	Model Name	XHT-6B16
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5180MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
10360.120	44.06	9.14	53.2	74	-20.8	peak
10360.120	36.45	9.14	45.59	54	-8.41	AVG
15540.180	41.28	10.22	51.5	74	-22.5	peak
15540.180	37.06	10.22	47.28	54	-6.72	AVG

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
10360.120	43.15	9.14	52.29	74	-21.71	peak
10360.120	40.22	9.14	49.36	54	-4.64	AVG
15540.180	41.91	10.22	52.13	74	-21.87	peak
15540.180	37.85	10.22	48.07	54	-5.93	AVG
Remark:			C		No.	
actor = Ante	enna Factor + Ca	ble Loss –	Pre-amplifier.	0		~0





EUT	Dual Band Wireless USB Adapter	Model Name	XHT-6B16
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5240MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	/ Margin	Value Tar
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
10480.120	41.28	9.27	50.55	74	-23.45	peak
10480.120	36.91	9.27	46.18	54	-7.82	AVG
15720.180	40.22	10.38	50.6	74	-23.4	peak
15720.180	35.63	10.38	46.01	54	-7.99	AVG

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
10480.120	42.91	9.27	52.18	74	-21.82	peak
10480.120	38.75	9.27	48.02	54	-5.98	AVG
15720.180	39.04	10.38	49.42	74	-24.58	peak
15720.180	36.17	10.38	46.55	54	-7.45	AVG
Remark:			C			
actor = Ante	enna Factor + Ca	ble Loss –	Pre-amplifier.	0		~0



 $\label{eq:attestation} Attestation of Global Compliance (Shenzhen) Co., Ltd.$



EUT	Dual Band Wireless USB Adapter	Model Name	XHT-6B16
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5745MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	 Value Type
11490.120	40.28	9.42	49.7	74	-24.3	peak
11490.120	36.41	9.42	45.83	54	-8.17	AVG
17235.180	39.52	10.51	50.03	74	-23.97	peak
17235.180	31.23	10.51	41.74	54	-12.26	AVG

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
11490.120	41.57	9.42	50.99	74	-23.01	peak
11490.120	36.11	9.42	45.53	54	-8.47	AVG
17235.180	37.24	10.51	47.75	74	-26.25	peak
17235.180	34.31	10.51	44.82	54	-9.18	AVG
Remark:	N.		r.		No.	
actor = Ante	enna Factor + Ca	ble Loss –	Pre-amplifier.	0		~0



 $\label{eq:attestation} Attestation of Global Compliance (Shenzhen) Co., Ltd.$



EUT	Dual Band Wireless USB Adapter	Model Name	XHT-6B16
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5825MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
11650.120	42.58	9.62	52.2	74	-21.8	peak
11650.120	39.54	9.62	49.16	54	-4.84	AVG
17475.180	36.87	10.75	47.62	74	-26.38	peak
17475.180	34.21	10.75	44.96	54	-9.04	AVG
Remark:	34.21	10.75	44.90	34	-9.04	
actor = Ante	enna Factor + C	able Loss -	Pre-amplifier.			

RADIATED EMISSION ABOVE 1GHZ-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
11650.120	40.99	9.62	50.61	74	-23.39	peak
11650.120	36.15	9.62	45.77	54	-8.23	AVG
17475.180	39.44	10.75	50.19	74	-23.81	peak
17475.180	31.59	10.75	42.34	54	-11.66	AVG
Remark:						
actor = Ante	enna Factor + Ca	ble Loss –	Pre-amplifier.			

Note: All the case had been tested. The 802.11a modulation is the worst case and recorded in the test report. Other frequencies radiation emission from 1GHz to 40GHz at least have 20dB margin and not recorded in the test report.

Factor = Antenna Factor + Cable loss - Amplifier gain, Margin= Limit-Level.

The "Factor" value can be calculated automatically by software of measurement system.





13. BAND EDGE EMISSION

13.1. MEASUREMENT PROCEDURE

1. The EUT operates at transmitting mode. The operate channel is tested to verify the largest transmission and spurious emissions power at the continuous transmission mode.

2. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission: (a) PEAK: RBW=1MHz, VBW=3MHz / Sweep=AUTO

(b) AVERAGE: RBW=1MHz ; VBW=1/on time(1KHz) / Sweep=AUTO

3. Other procedures refer to clause 11.2.

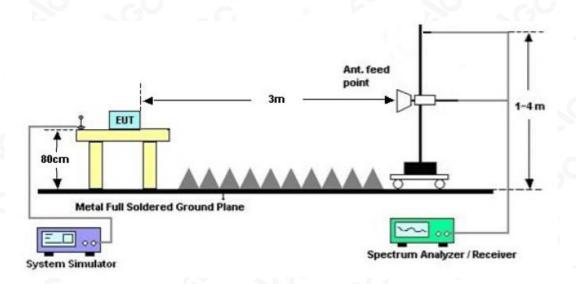
Note:

1. Factor=Antenna Factor + Cable loss - Amplifier gain. Field Strength=Factor + Reading level

2. The factor had been edited in the "Input Correction" of the Spectrum Analyzer. So the Amplitude of test plots is equal to Reading level plus the Factor in dB. Use the A dB(μ V) to represent the Amplitude. Use the F dB(μ V/m) to represent the Field Strength. So A=F.

3. Only the data of band edge emission at the restricted band 4.5GHz-5.15GHz record in the report. Other restricted band 5.35GHz-5.46GHz and 7.25GHz-7.77GHz were considered as ambient noise. No recording in the test report.

13.2. TEST SET-UP







13.3. TEST RESULT

EUT	Dual Band Wireless USB Adapter	Model Name	XHT-6B16
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5180MHz	Antenna	Horizontal



PK Value

AV Value







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EUT	Dual Band Wireless USB Adapter	Model Name	XHT-6B16
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5180MHz	Antenna	Vertical

PK Value



AV Value







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EUT	Dual Band Wireless USB Adapter	Model Name	XHT-6B16
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 5190MHz	Antenna	Horizontal

PK Value



AV Value







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EUT	Dual Band Wireless USB Adapter	Model Name	XHT-6B16
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 5190MHz	Antenna	Vertical

PK Value



AV Value







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EUT	Dual Band Wireless USB Adapter	Model Name	XHT-6B16
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ac80 5210MHz	Antenna	Horizontal



PK Value

AV Value







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EUT	Dual Band Wireless USB Adapter	Model Name	XHT-6B16
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ac80 5210MHz	Antenna	Vertical



PK Value

AV Value



RESULT: PASS

Note: All the 20MHz bandwidth modulation had been tested, the 802.11a20 was the worst case and record in his test report. All the 40MHz bandwidth modulation had been tested, the 802.11N40 was the worst case and record in his test report.



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

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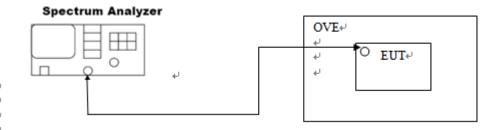


14. FREQUENCY STABILITY

14.1. MEASUREMENT PROCEDURE

- 1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 2. Set the EUT Work on the operation frequency.
- 3. Set SPA Centre Frequency = Operation Frequency. SPAN=enough to measure the emission is maintained within the band
- 4. Set SPA Trace 1 Max hold, then View.
- 5. Extreme temperature rule is -10°C~60°C.

14.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)







14.3. MEASUREMENT RESULTS

Test Mode	Temperature	Measurement Frequency (MHz)	Result	Conclusion
	- 10℃	5180	within the band	PASS
©	0 °C	5180	within the band	PASS
G _	10 ℃	5180	within the band	PASS
	20 ℃	5180	within the band	PASS
	30 ℃	5180	within the band	PASS
	40 ℃	5180	within the band	PASS
	50 ℃	5180	within the band	PASS
- 69	60 ℃	5180	within the band	PASS
	- 10℃	5240	within the band	PASS
Ó Ì	0 °C	5240	within the band	PASS
C.	10 ℃	5240	within the band	PASS
GC _	20 ℃	5240	within the band	PASS
	30 ℃	5240	within the band	PASS
0	40 ℃	5240	within the band	PASS
6	50 ℃	5240	within the band	PASS
002 110	60 ℃	5240	within the band	PASS
802.11a	- 10 ℃	5745	within the band	PASS
	0 °C	5745	within the band	PASS
	10 ℃	5745	within the band	PASS
- 60	20 ℃	5745	within the band	PASS
	30 ℃	5745	within the band	PASS
	40 ℃	5745	within the band	PASS
C.	50 ℃	5745	within the band	PASS
GU -	60 ℃	5240	within the band	PASS
	- 10℃	5825	within the band	PASS
0	0°C	5825	within the band	PASS
6	10 ℃	5825	within the band	PASS
	20 ℃	5825	within the band	PASS
	30 ℃	5825	within the band	PASS
	40 ℃	5825	within the band	PASS
0	50 ℃	5825	within the band	PASS
6.0	60 ℃	5825	within the band	PASS





Test Mode	Temperature	Measurement Frequency (MHz)	Result	Conclusion
	- 10°C	5180	within the band	PASS
0	0°C	5180	within the band	PASS
G	10 ℃	5180	within the band	PASS
	20 ℃	5180	within the band	PASS
	30 ℃	5180	within the band	PASS
	40 ℃	5180	within the band	PASS
	50 ℃	5180	within the band	PASS
- 60	60 ℃	5180	within the band	PASS
	- 10℃	5240	within the band	PASS
	0 °C	5240	within the band	PASS
	10 ℃	5240	within the band	PASS
GU	20 ℃	5240	within the band	PASS
	30 ℃	5240	within the band	PASS
	40 ℃	5240	within the band	PASS
C I	50 ℃	5240	within the band	PASS
802.11n20	60 ℃	5240	within the band	PASS
802.11120	- 10℃	5745	within the band	PASS
	0 °C	5745	within the band	PASS
0	10 ℃	5745	within the band	PASS
C.O	20 ℃	5745	within the band	PASS
Nº.	30 ℃	5745	within the band	PASS
	40 ℃	5745	within the band	PASS
~	50 ℃	5745	within the band	PASS
GU	60 ℃	5240	within the band	PASS
	- 10℃	5825	within the band	PASS
	0°C	5825	within the band	PASS
C .	10 ℃	5825	within the band	PASS
	20 ℃	5825	within the band	PASS
	30 ℃	5825	within the band	PASS
	40 ℃	5825	within the band	PASS
0	50 ℃	5825	within the band	PASS
- C	60 ℃	5825	within the band	PASS





Test Mode	Temperature	Measurement Frequency (MHz)	Result	Conclusion
	- 10℃	5180	within the band	PASS
0	0 °C	5180	within the band	PASS
G	10 ℃	5180	within the band	PASS
	20 ℃	5180	within the band	PASS
	30 ℃	5180	within the band	PASS
	40 ℃	5180	within the band	PASS
	50 ℃	5180	within the band	PASS
	60 °C	5180	within the band	PASS
	- 10℃	5240	within the band	PASS
	0 °C	5240	within the band	PASS
	10 ℃	5240	within the band	PASS
GU	20 ℃	5240	within the band	PASS
	30 °C	5240	within the band	PASS
	40 ℃	5240	within the band	PASS
C.	50 ℃	5240	within the band	PASS
802.11ac20	60 ℃	5240	within the band	PASS
002.118020	- 10 ℃	5745	within the band	PASS
	0 °C	5745	within the band	PASS
0	10 ℃	5745	within the band	PASS
C.C	20 ℃	5745	within the band	PASS
	30 ℃	5745	within the band	PASS
	40 ℃	5745	within the band	PASS
	50 ℃	5745	within the band	PASS
GU	60 ℃	5240	within the band	PASS
	- 10℃	5825	within the band	PASS
	0 °C	5825	within the band	PASS
C .	10 ℃	5825	within the band	PASS
	20 ℃	5825	within the band	PASS
	30 ℃	5825	within the band	PASS
	40 ℃	5825	within the band	PASS
0	50 ℃	5825	within the band	PASS
e.C	60 ℃	5825	within the band	PASS





-	•_	Measurement		
Test Mode	Temperature	Frequency (MHz)	Result	Conclusion
	- 10℃	5190	within the band	PASS
0	0 °C	5190	within the band	PASS
G	10 ℃	5190	within the band	PASS
	20 ℃	5190	within the band	PASS
	30 ℃	5190	within the band	PASS
	40 ℃	5190	within the band	PASS
	50 ℃	5190	within the band	PASS
- 60	60 ℃	5190	within the band	PASS
	- 10℃	5230	within the band	PASS
	0 ℃	5230	within the band	PASS
C.	10 ℃	5230	within the band	PASS
60	20 ℃	5230	within the band	PASS
	30 ℃	5230	within the band	PASS
	40 ℃	5230	within the band	PASS
0	50 ℃	5230	within the band	PASS
802.11n40	60 ℃	5230	within the band	PASS
002.111140	- 10 ℃	5755	within the band	PASS
	0 °C	5755	within the band	PASS
0	10 ℃	5755	within the band	PASS
C.C	20 ℃	5755	within the band	PASS
	30 ℃	5755	within the band	PASS
	40 ℃	5755	within the band	PASS
	50 ℃	5755	within the band	PASS
GU	60 ℃	5755	within the band	PASS
	- 10℃	5795	within the band	PASS
	0 °C	5795	within the band	PASS
C	10 ℃	5795	within the band	PASS
	20 ℃	5795	within the band	PASS
	30 ℃	5795	within the band	PASS
	40 ℃	5795	within the band	PASS
0	50 ℃	5795	within the band	PASS
-C	60 ℃	5795	within the band	PASS





Test Mode	Temperature	Measurement Frequency (MHz)	Result	Conclusion
	- 10℃	5190	within the band	PASS
	0 °C	5190	within the band	PASS
G	10 ℃	5190	within the band	PASS
	20 ℃	5190	within the band	PASS
	30 ℃	5190	within the band	PASS
	40 ℃	5190	within the band	PASS
	50 ℃	5190	within the band	PASS
	60 ℃	5190	within the band	PASS
	- 10℃	5230	within the band	PASS
	0 °C	5230	within the band	PASS
	10 ℃	5230	within the band	PASS
G	20 ℃	5230	within the band	PASS
	30 ℃	5230	within the band	PASS
	40 °C	5230	within the band	PASS
C	50 ℃	5230	within the band	PASS
902 11 2 2 10	60 °C	5230	within the band	PASS
802.11ac40	- 10 ℃	5755	within the band	PASS
	0 °C	5755	within the band	PASS
	10 ℃	5755	within the band	PASS
C.C	20 ℃	5755	within the band	PASS
	30 ℃	5755	within the band	PASS
	40 ℃	5755	within the band	PASS
	50 ℃	5755	within the band	PASS
60	60 ℃	5755	within the band	PASS
	- 10℃	5795	within the band	PASS
	0 °C	5795	within the band	PASS
C	10 ℃	5795	within the band	PASS
	20 ℃	5795	within the band	PASS
	30 ℃	5795	within the band	PASS
	40 ℃	5795	within the band	PASS
	50 ℃	5795	within the band	PASS
C	60 ℃	5795	within the band	PASS





Test Mode	Temperature	Measurement Frequency (MHz)	Result	Conclusion
	- 10℃	5210	within the band	PASS
0	0 °C	5210	within the band	PASS
G	10 ℃	5210	within the band	PASS
	20 °C	5210	within the band	PASS
	30 ℃	5210	within the band	PASS
	40 ℃	5210	within the band	PASS
	50 ℃	5210	within the band	PASS
902 11 90	60 °C	5210	within the band	PASS
802.11ac80	- 10℃	5775	within the band	PASS
	0 °C	5775	within the band	PASS
	10 ℃	5775	within the band	PASS
GU I	20 ℃	5775	within the band	PASS
	30 ℃	5775	within the band	PASS
	40 ℃	5775	within the band	PASS
	50 ℃	5775	within the band	PASS
	60 ℃	5775	within the band	PASS



 $\label{eq:attestation} Attestation of Global Compliance (Shenzhen) Co., Ltd.$