



6.6. Power Spectral Density

6.6.1. Test Specification

Test Requirement:	FCC Part15 E Section 15.407 (a)					
Test Method:	KDB662911 D01 Multiple Transmitter Output v02r01 KDB789033 D02 General UNII Test Procedures New Rules v01r03 Section F					
Limit:	≤17.00dBm/MHz for Band I 5150MHz-5250MHz ≤11.00dBm/MHz for Band II 5250MHz-5350MHz ≤11.00dBm/MHz for Band III 5450MHz-5725MHz ≤30.00dBm/500KHz for Band IV 5725MHz-5850MHz The e.i,r,p spectral density for Band I 5150MHz – 5250 MHz should not exceed 10dBm/MHz					
Test Setup:	Spectrum Analyzer EUT					
Test Mode:	Transmitting mode with modulation					
Test Procedure:	 Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth. Set RBW = 510 kHz/1 MHz, VBW ≥ 3*RBW, Sweep time = Auto, Detector = RMS. Allow the sweeps to continue until the trace stabilized 3. Use the peak marker function to determine the maximum amplitude level. 					
Test Result:	PASS					

6.6.2. Test Instruments

RF Test Room										
Equipment	Manufacturer	Model	Serial Number	Calibration Due						
Spectrum Analyzer	R&S	FSQ	200061	Aug. 12, 2017						
RF cable	TCT	RE-06	N/A	Aug. 12, 2017						
Antenna Connector	TCT	RFC-01	N/A	Aug. 12, 2017						

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

Page 62 of 117



6.6.3. Test data

Configuration Band I (5150 - 5250 MHz) / Antenna 0+Antenna 1+ Antenna 2										
Toot channel	Po	wer Spe	ctral Den	sity	Limit	J :				
rest channel	Ant0	Ant1	Ant2	Total	(dBm/MHz)	Result				
CH36	9.96	8.61	9.27	14.09	15.20	PASS				
CH44	9.15	8.72	8.58	13.59	15.20	PASS				
CH48	8.51	8.44	8.86	13.38	15.20	PASS				
CH36	8.45	8.84	8.45	13.36	15.20	PASS				
CH44	8.22	8.32	8.70	13.19	15.20	PASS				
CH48	8.04	7.38	7.42	12.40	15.20	PASS				
CH38	5.12	5.18	4.55	9.73	15.20	PASS				
CH46	3.95	4.69	3.39	8.81	15.20	PASS				
	Test channel CH36 CH44 CH48 CH36 CH44 CH48 CH48 CH38	Test channel Ant0 CH36 9.96 CH44 9.15 CH48 8.51 CH36 8.45 CH44 8.22 CH48 8.04 CH38 5.12	Test channel	Power Spectral Den Ant0 Ant0 Ant1 Ant2 CH36 9.96 8.61 9.27 CH44 9.15 8.72 8.58 CH48 8.51 8.44 8.86 CH36 8.45 8.84 8.45 CH44 8.22 8.32 8.70 CH48 8.04 7.38 7.42 CH38 5.12 5.18 4.55	Test channel Power Spectral Density Ant0 Ant1 Ant2 Total CH36 9.96 8.61 9.27 14.09 CH44 9.15 8.72 8.58 13.59 CH48 8.51 8.44 8.86 13.38 CH36 8.45 8.84 8.45 13.36 CH44 8.22 8.32 8.70 13.19 CH48 8.04 7.38 7.42 12.40 CH38 5.12 5.18 4.55 9.73	Test channel Power Spectral Density Limit (dBm/MHz) CH36 9.96 8.61 9.27 14.09 15.20 CH44 9.15 8.72 8.58 13.59 15.20 CH48 8.51 8.44 8.86 13.38 15.20 CH36 8.45 8.84 8.45 13.36 15.20 CH44 8.22 8.32 8.70 13.19 15.20 CH48 8.04 7.38 7.42 12.40 15.20 CH38 5.12 5.18 4.55 9.73 15.20				

Note: 1. All antennas have the same gain. G_{ANT} =3dBi, Array Gain=10log(N_{ANT}/N_{SS})=4.8dBi Directional Gain= G_{ANT} + Array Gain=7.8dBi, so limit=17-(7.8-6)=15.2 dBm/MHz

2. The total PSD method used the sum spectra maxima across the outputs.

Configuration Band IV (5725 - 5850 MHz) / Antenna 0+Antenna 1+ Antenna 2										
Mode	Test channel	Po	wer Spec	ctral Den	Limit	Posult				
Wiode	Test Chamilei	Ant0	Ant1	Ant2	Total	(dBm/MHz)	Result			
11a	CH149	7.74	7.49	7.72	12.42	28.20	PASS			
11a	CH157	8.13	7.55	7.37	12.47	28.20	PASS			
11a	CH165	7.46	7.47	7.58	12.27	28.20	PASS			
11n (HT20)	CH149	7.20	7.03	6.80	11.78	28.20	PASS			
11n (HT20)	CH157	8.37	7.64	8.04	12.80	28.20	PASS			
11n (HT20)	CH165	7.67	7.98	8.02	12.66	28.20	PASS			
11n (HT40)	CH151	4.05	3.64	4.20	8.74	28.20	PASS			
11n (HT40)	CH159	4.63	4.78	4.74	9.49	28.20	PASS			

Note: 1. All antennas have the same gain. G_{ANT} =3dBi, Array Gain=10log(N_{ANT} / N_{SS})=4.8dBi Directional Gain= G_{ANT} + Array Gain=7.8dBi, so limit=30-(7.8-6)=28.2 dBm/MHz

2. The total PSD method used the sum spectra maxima across the outputs.

Test plots as follows:

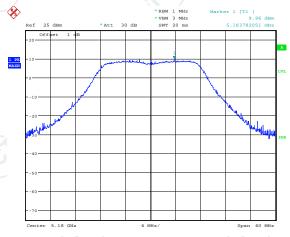




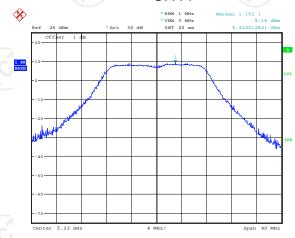
Band I (5150 - 5250 MHz)

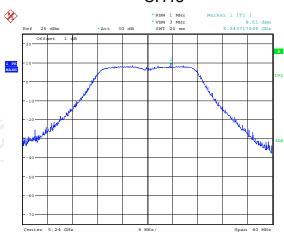
11a



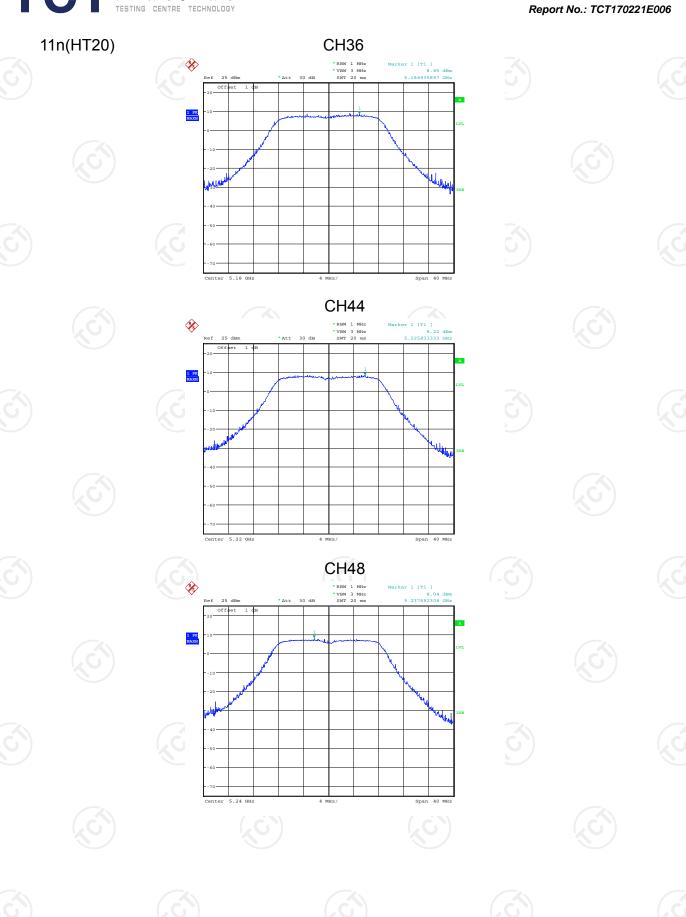


CH44









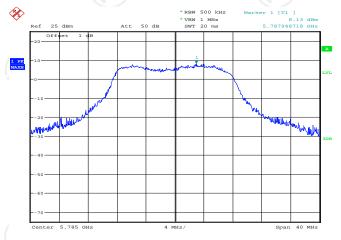


Band IV (5725 - 5850 MHz)

11a



CH157

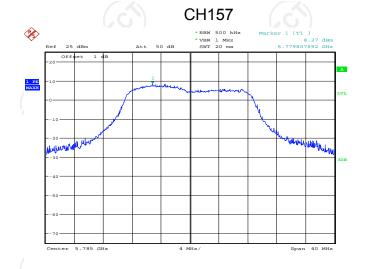


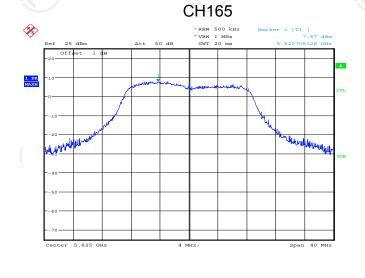




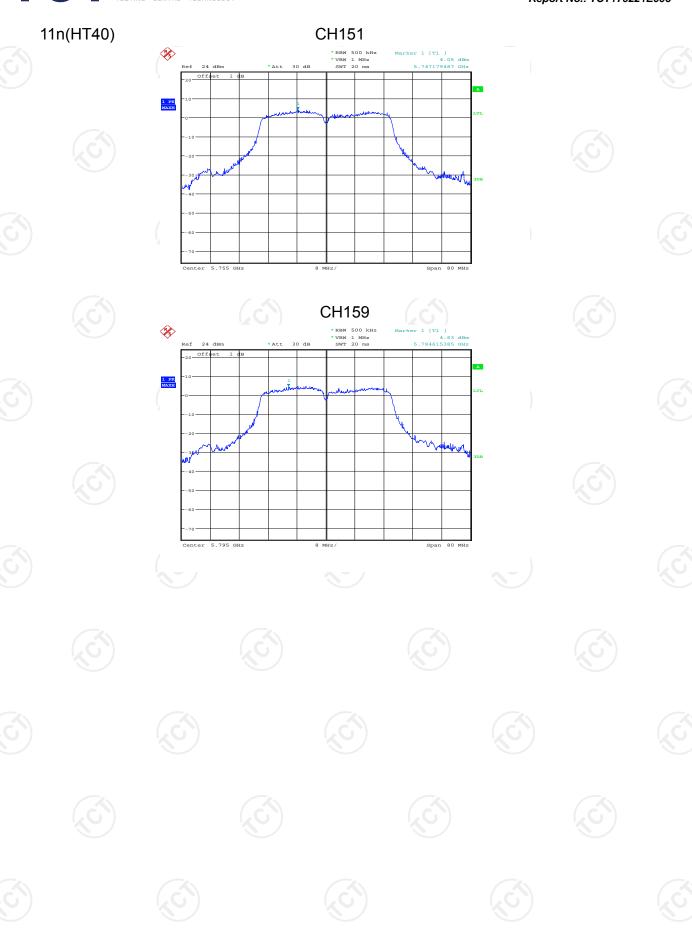
11n(HT20)











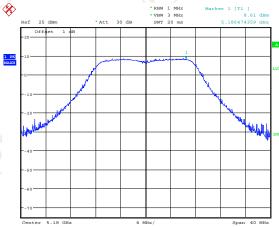


ANT 1

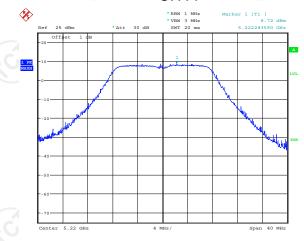
Band I (5150 - 5250 MHz)

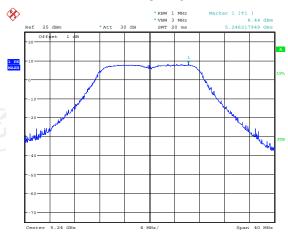
11a



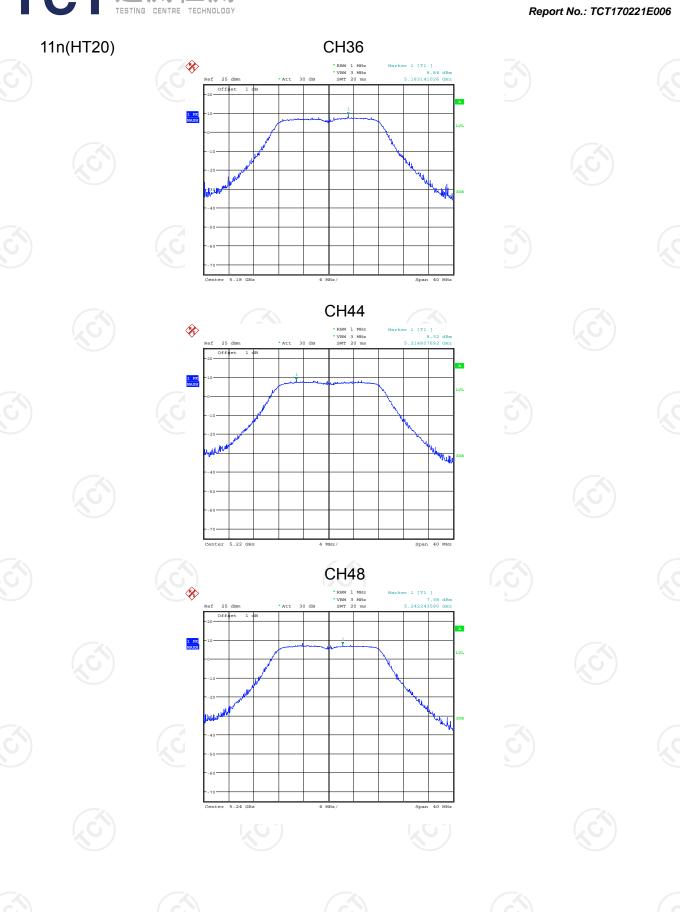


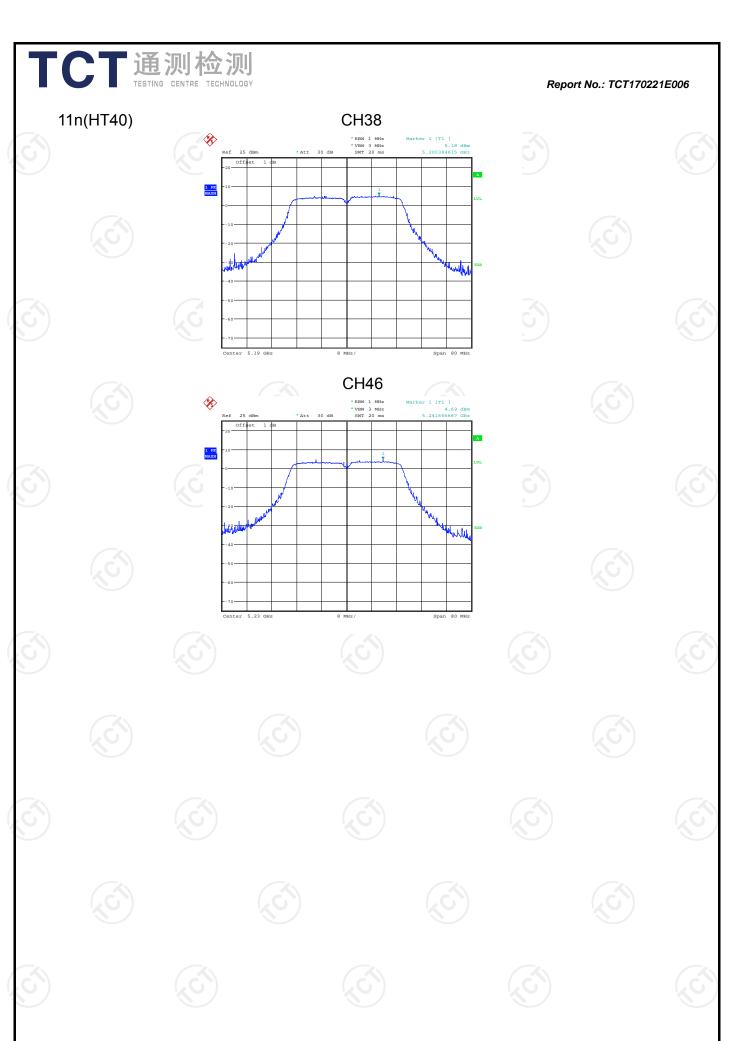
CH44











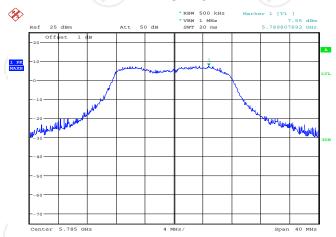


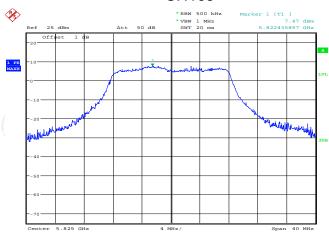
Band IV (5725 - 5850 MHz)

11a



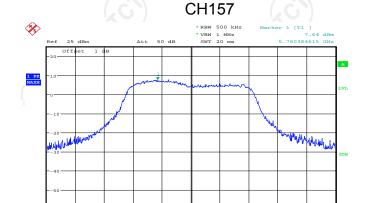
CH157

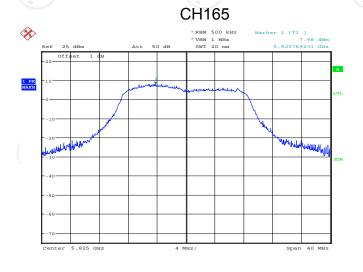




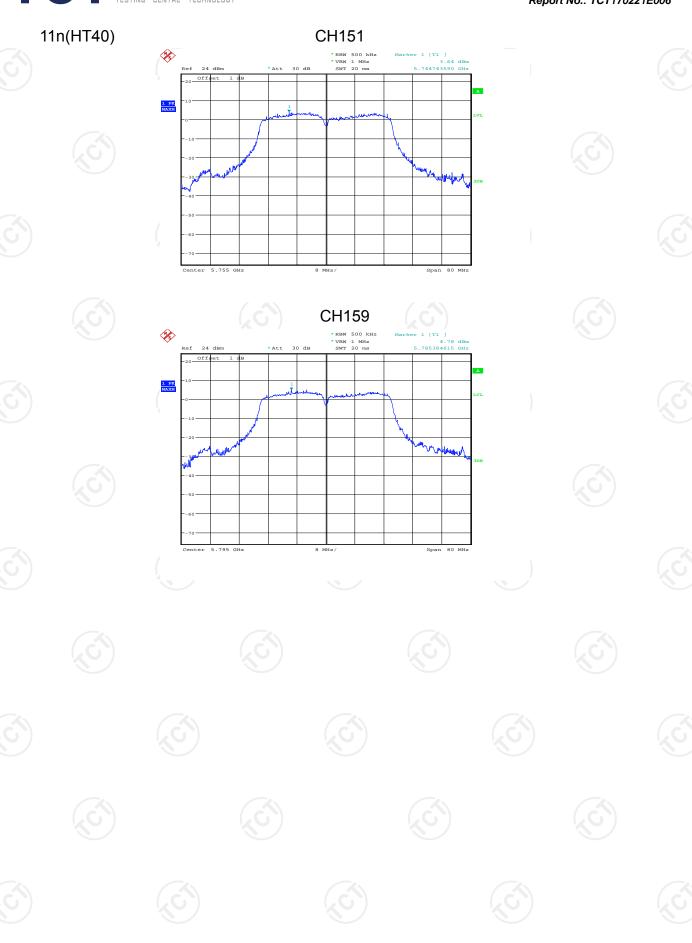


11n(HT20) CH149 *RBW 500 kHz Narker 1 [T1] *VBW 1 MHz 7.03 dBm Ref 25 dBm Att 50 dB SWT 20 ms 5.746410256 GHz Offset 1 dB 10 -20 -20 -40 -40 -50 -50









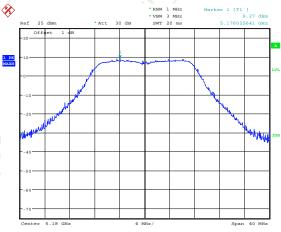


ANT 2

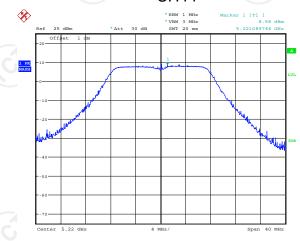
Band I (5150 – 5250 MHz)

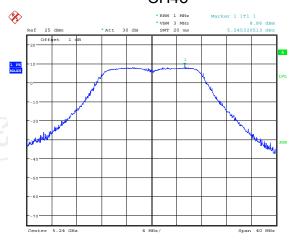
11a



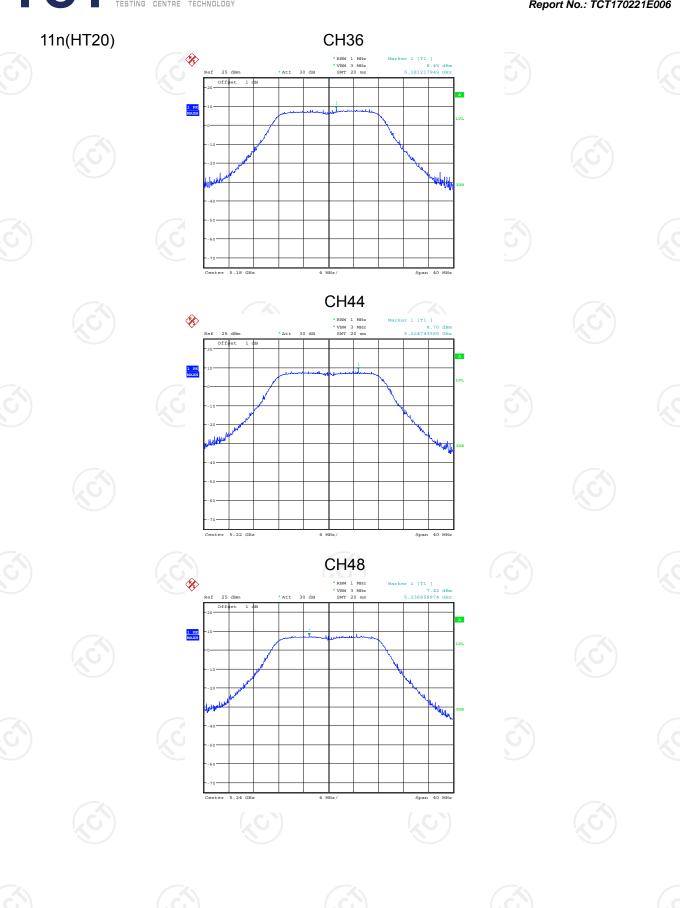


CH44







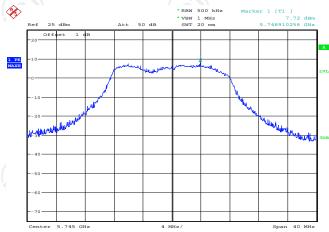




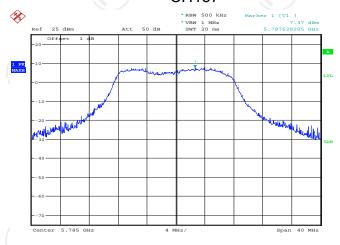
Band IV (5725 - 5850 MHz)

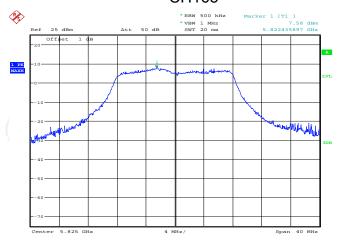
11a





CH157

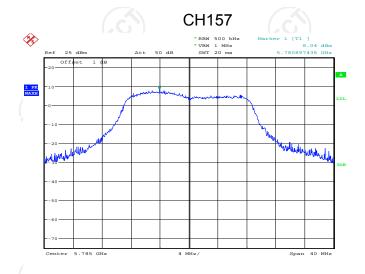


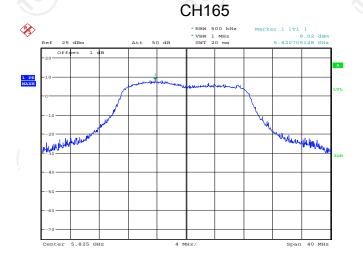




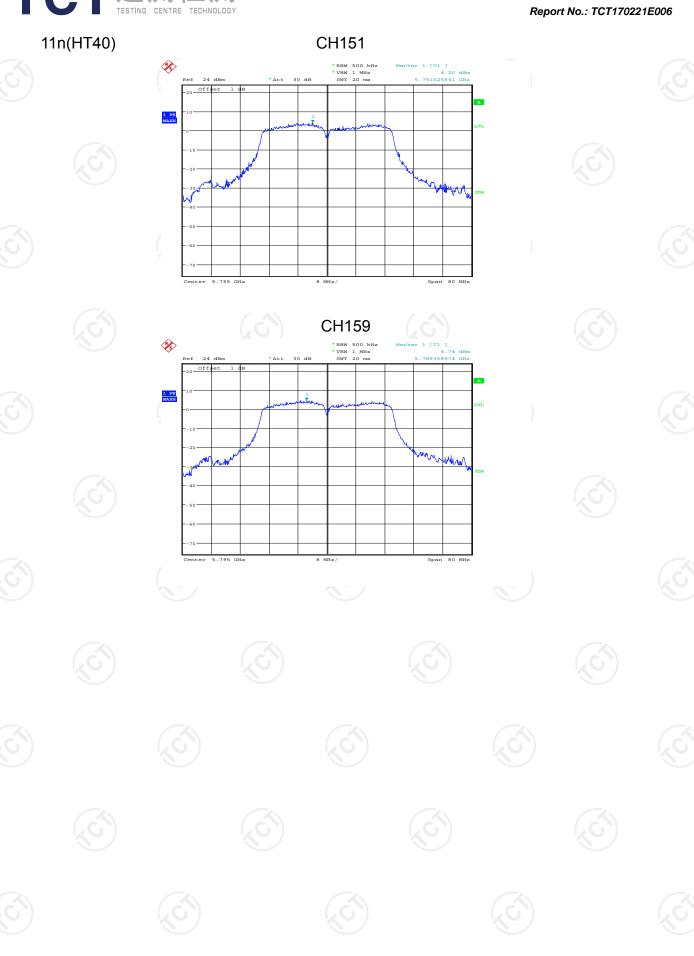
11n(HT20)

Report No.: TCT170221E006











6.7. Band edge

6.7.1. Test Specification

Test Requirement:	FCC CFR47 Part 15E Section 15.407								
Test Method:	ANSI C63.10 2013		(65)						
	Bands	Limit (dBuV/m @3m)	Remark						
	For band J&II&III	68.2	Peak Value						
	T or barra ramam	54.0	Average Value						
Limit:	For band IV	78.2 54.0	Peak Value Average Value						
	Remark: For band I&II&III, E[dE for EIRP(dBm)= -27dI For band IV, E[dBµV/r EIRP(dBm)= -17dBm	3m							
Test Setup:	Ground Reference Place Test Receiver 1 Artists Contollar								
Test Mode:	Transmitting mode	with modulation							
Test Procedure:	 The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 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. 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. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 								





Test Result: PASS C C C C C C C C C			10dB lostopped reporter 10dB no quasipo	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, quasipeak or average method as specified and then reported in a data sheet.						
	Tes	t Result:								

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com





6.7.2. Test Instruments

Radiated Emission Test Site (966)										
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due						
ESPI Test Receiver	ROHDE&SCHW ARZ	ESVD	100008	Aug. 11, 2017						
Spectrum Analyzer	ROHDE&SCHW ARZ	FSEM	848597/001	Aug. 11, 2017						
Spectrum Analyzer	ROHDE&SCHW ARZ	FSP40	100056	Aug. 11, 2017						
Spectrum Analyzer	R&S	FSQ	200061	Aug. 12, 2017						
Pre-amplifier	EM Electronics Corporation CO.,LTD	ion EM30265 07		Aug. 11, 2017						
Pre-amplifier	HP	HP 8447D		Aug. 11, 2017						
Loop antenna	ZHINAN	ZN30900A	12024	Aug. 13, 2017						
Broadband Antenna	Schwarzbeck	VULB9163	340	Aug. 13, 2017						
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Aug. 13, 2017						
Horn Antenna	Schwarzbeck	BBHA 9170	373	Aug. 13, 2017						
Coax cable	TCT	RE-low-01	N/A	Aug. 11, 2017						
Coax cable	тст	RE-high-02	N/A	Aug. 11, 2017						
Coax cable	TCT	RE-low-03	N/A	Aug. 11, 2017						
Coax cable	тст	RE-High-04	N/A	Aug. 11, 2017						
Antenna Mast	ccs	CC-A-4M	N/A	Aug. 12, 2017						
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A						
Semi anechoic chamber	SAEMC	Chamber-#1	DQM0274	Aug. 12, 2017						

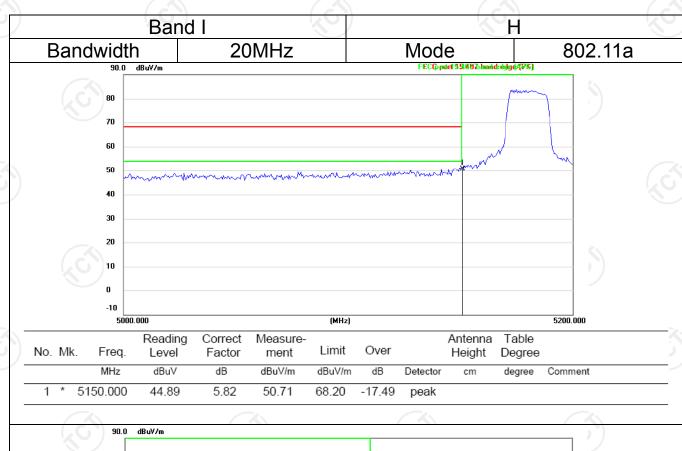
Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

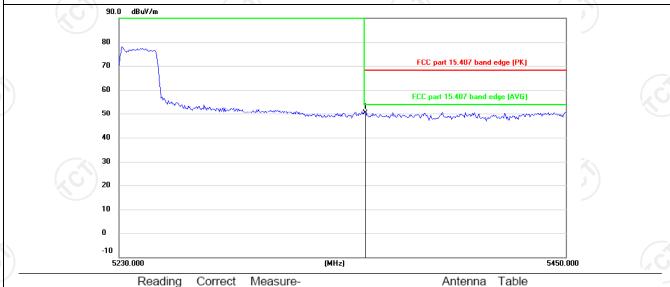
Page 84 of 117





6.7.3. Test Data

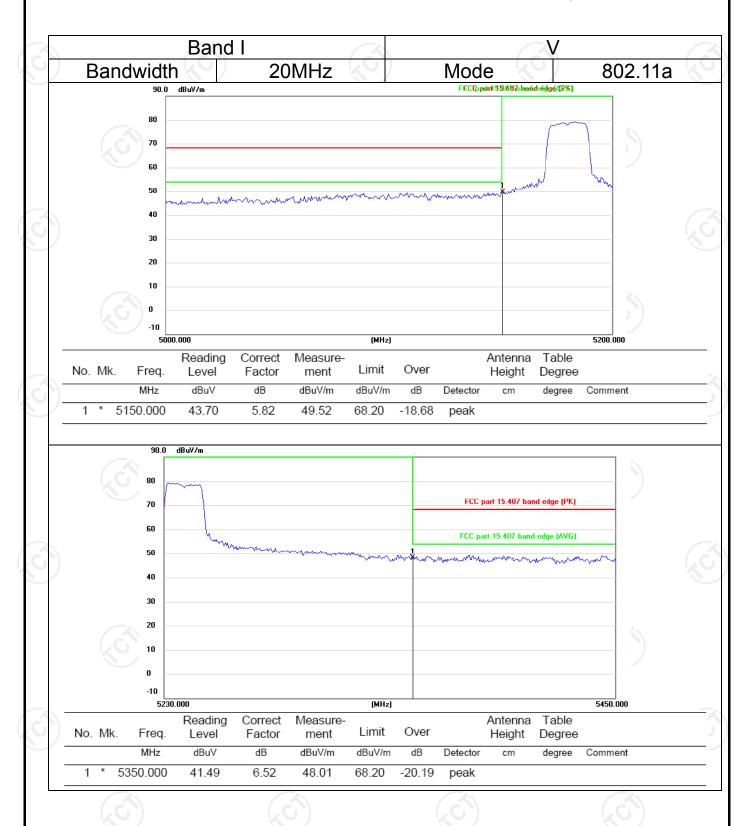




No. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1 *	5350.000	43.86	6.52	50.38	68.20	-17.82	peak			



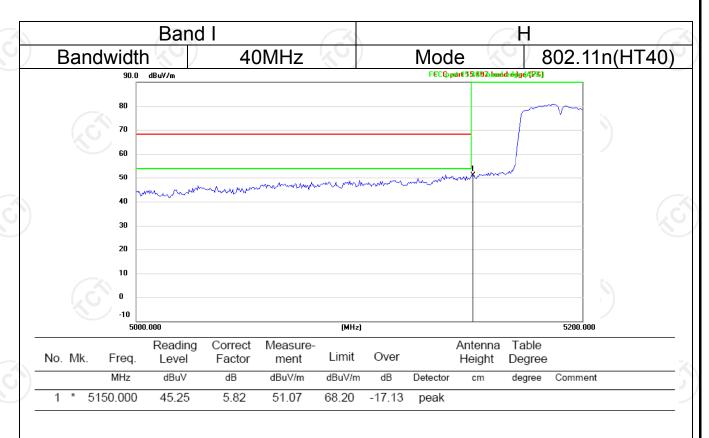


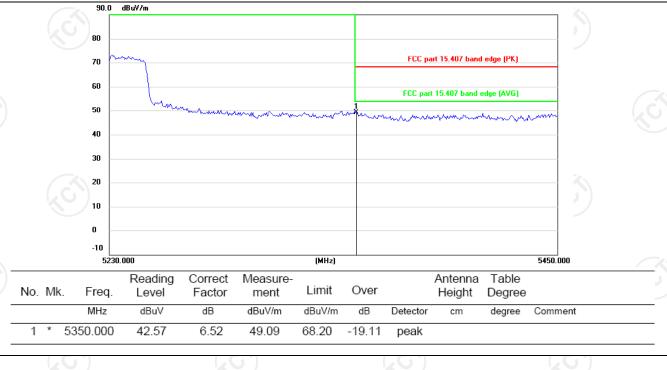


Note: All the 20MHz bandwidth modulation are tested, the 802.11a was the worst and record in the report.



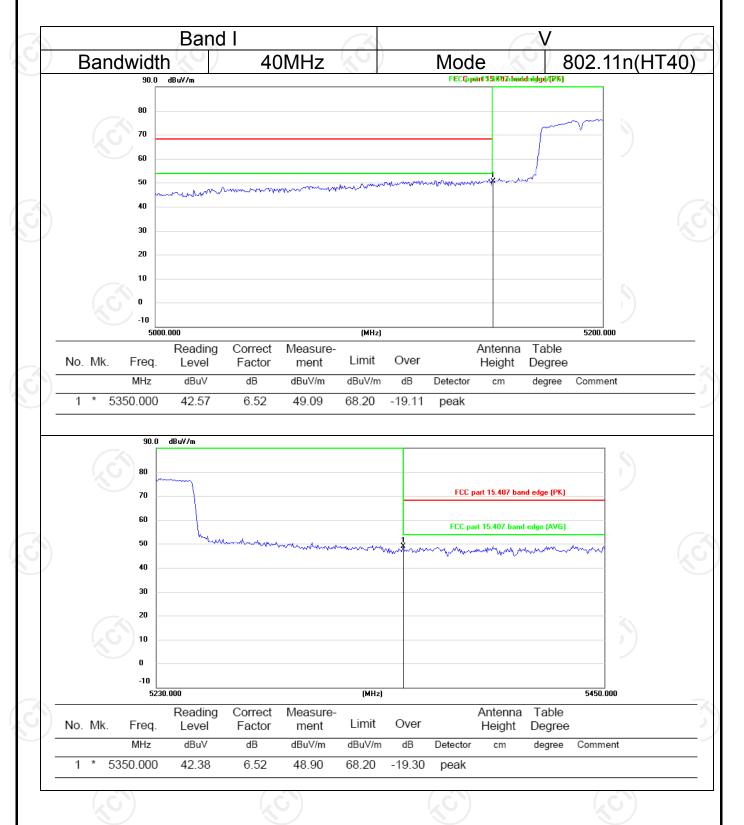






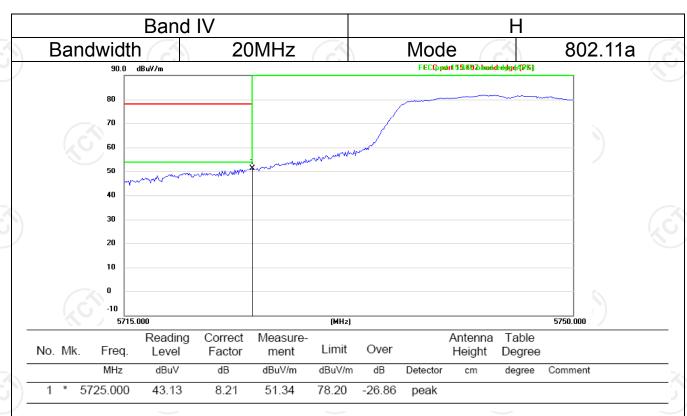


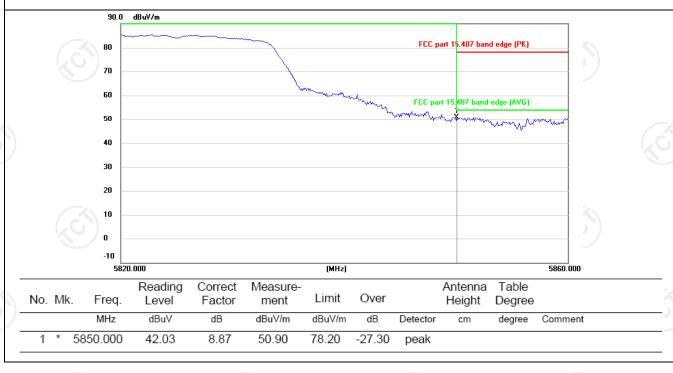




Note: All the 40MHz bandwidth modulation are tested, the 802.11n (HT40) was the worst and record in the report.

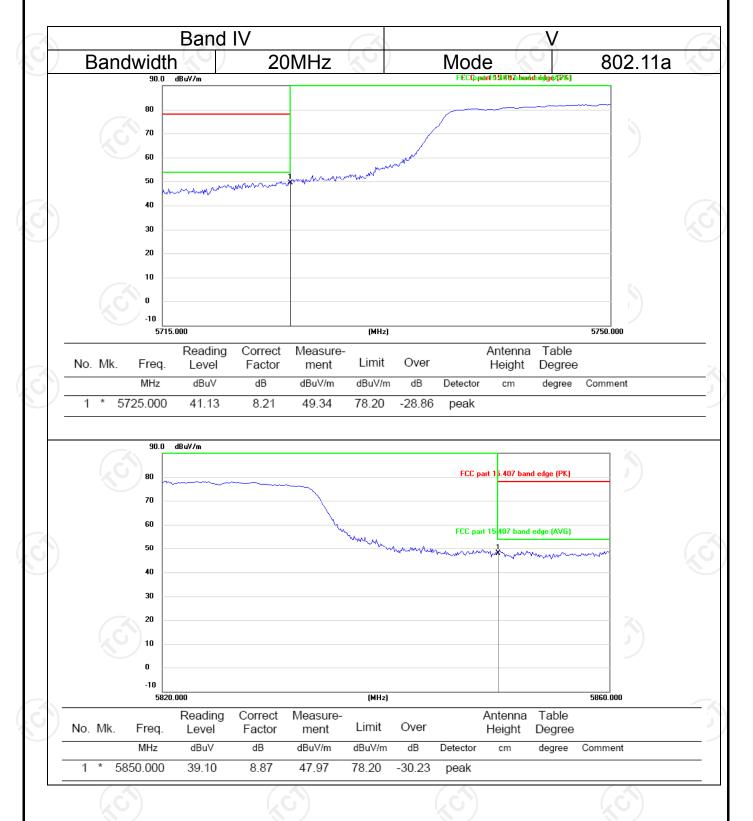








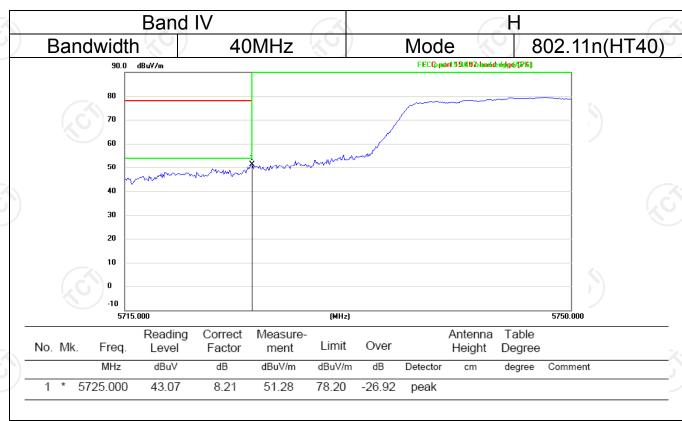


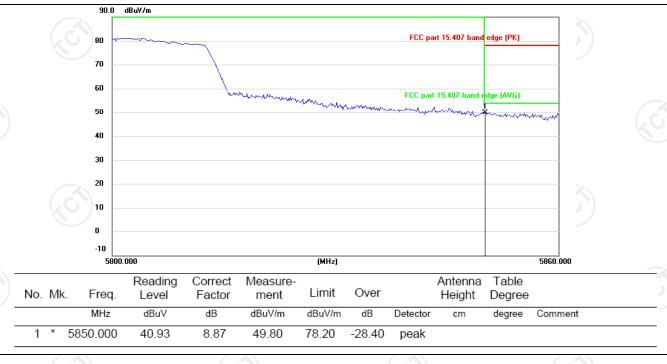


Note: All the 20MHz bandwidth modulation are tested, the 802.11a was the worst and record in the report.



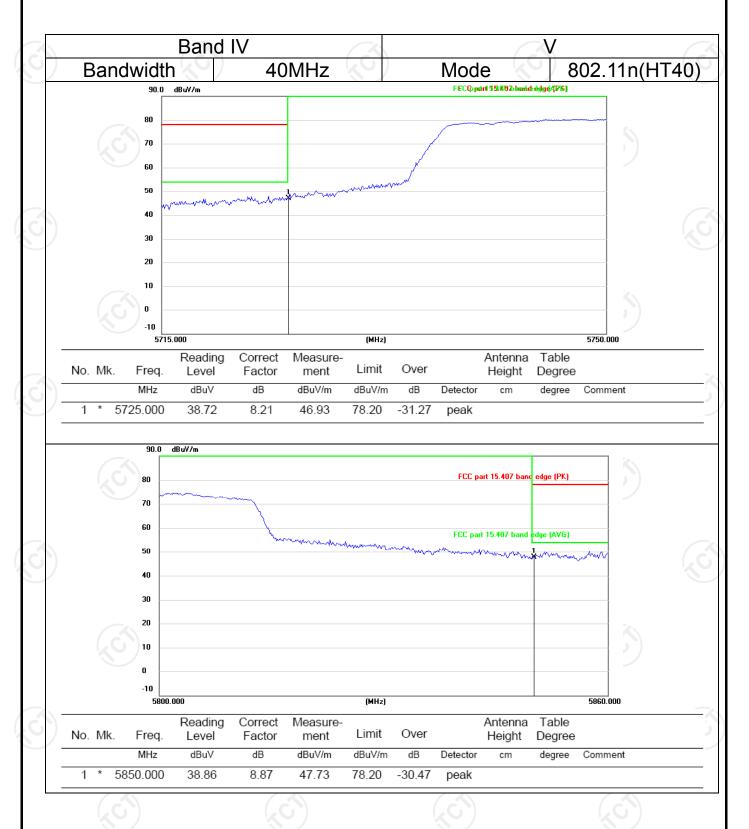








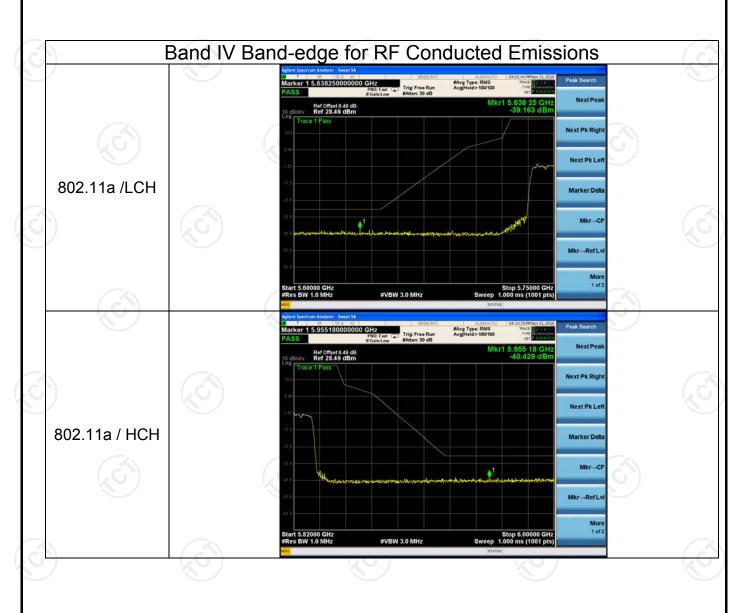




Note: All the 40MHz bandwidth modulation are tested, the 802.11n (HT40) was the worst and record in the report.







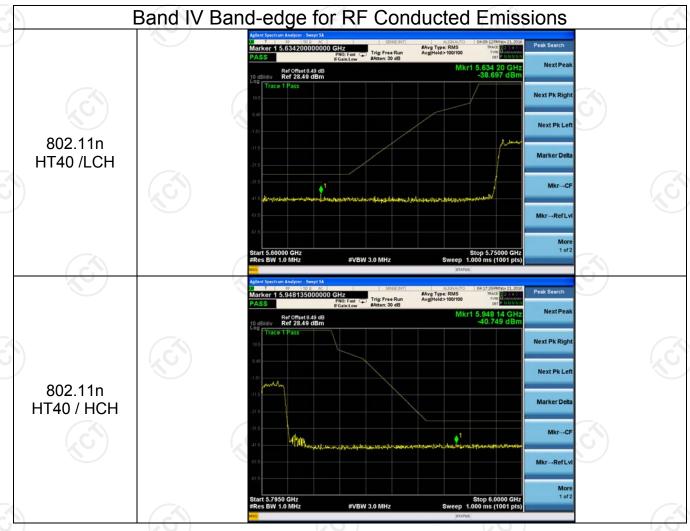












Note: The test of all antennas are tested, but only the worst (ANT0) is reported.





6.8. Spurious Emission

6.8.1. Restrict Bands Measurement

6.8.1.1. Test Specification

Test Requirement:	FCC CFR47 Part 15 Section 15.407 & 15.209 & 15.205							
Test Method:	KDB 789033	D02 v01r0)3					
Frequency Range:	Band I & II: 4 5.46GHz Band III &IV:			(.c.)	35GHz to			
Measurement Distance:	3 m							
Antenna Polarization:	Horizontal &	Vertical	K 1					
Operation mode:	Transmitting	mode with	modulat	ion	((0))			
Receiver Setup:	Frequency Detector RBW VBW Remark Above 1GHz Peak 1MHz 3MHz Peak Value RMS 1MHz 3MHz Average Value							
Limit:	Frequency Limit Remark (dBuV/m @3m)							
Test setup:	Above 1GHz Hern Antenna Tower Ground Reference Plane Test Receiver Test Receiver Test Receiver Test Receiver Test Receiver							
Test Procedure:	D02 Gene v01r03. Some as urer 2. For the replace the 1.5 meter area of the emissions while kee	eral UNII Te lection G) I ment. adiated em measurem above gro e EUT dete s at the spe	est Proce Jnwante nission te nent ante bund, whi ermined ecified m easurem	edures N d emission est above enna on a ich is awa to be a s easurem eent ante	e 1GHz: a turntable with ay from each ource of ent distance, nna aimed at			





Test results:	power control level for the tested mode of operation. (4) A 5.8GHz high –PASS filter is used druing radiated emissions above 1GHz measurement. PASS
	(3) Set RBW = 1 MHz, VBW= 3MHz for f>1 GHz for peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum
	 (1) Span shall wide enough to fully capture the emission being measured; (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW; Sweep = auto; Detector function = peak; Trace = max hold;
	level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported. 5. Use the following spectrum analyzer settings:
	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. 3. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level 4. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission
	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





6.8.1.1 Test Instruments

1 2	Radiated Emission Test Site (966)										
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due							
ESPI Test Receiver	ROHDE&SCHW ARZ	ESVD	100008	Aug. 11, 2017							
Spectrum Analyzer	ROHDE&SCHW ARZ	FSEM	848597/001	Aug. 11, 2017							
Spectrum Analyzer	ROHDE&SCHW ARZ	FSP40	100056	Aug. 11, 2017							
Spectrum Analyzer	R&S	FSQ	200061	Aug. 12, 2017							
Pre-amplifier	EM Electronics Corporation CO.,LTD	EM30265	07032613	Aug. 11, 2017							
Pre-amplifier	HP	8447D	2727A05017	Aug. 11, 2017							
Loop antenna	ZHINAN	ZN30900A	12024	Aug. 13, 2017							
Broadband Antenna	Schwarzbeck	VULB9163	340	Aug. 13, 2017							
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Aug. 13, 2017							
Horn Antenna	Schwarzbeck	BBHA 9170	373	Aug. 13, 2017							
Coax cable	тст	RE-low-01	N/A	Aug. 11, 2017							
Coax cable	тст	RE-high-02	N/A	Aug. 11, 2017							
Coax cable	тст	RE-low-03	N/A	Aug. 11, 2017							
Coax cable	тст	RE-High-04	N/A	Aug. 11, 2017							
Antenna Mast	ccs	CC-A-4M	N/A	Aug. 12, 2017							
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A							
Semi anechoic chamber	SAEMC	Chamber-#1	DQM0274	Aug. 12, 2017							

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

Page 98 of 117



6.8.1.2 Test Data

Restrict	hand	around	fundament	al
110311101	Dalla	aioulia	IUIIUUIIICII	.uı

			restric	11a CH36	: 5180MHz	incinai			
	Ant. Pol.	Peak	AV	Correction		n Level	Peak limit	AV limit	Marain
Frequency (MHz)	H/V	reading (dBµV)	reading (dBuV)	Factor (dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	Margin (dB)
5137.57	Н	49.07	(- c)	0.53	49.6	. 6. 7	74	54	-4.4
5187.19	Н	49.21		0.59	49.8	<i>-</i> /	74	54	-4.2
5186.28	Н	48.69		0.57	49.26		74	54	-4.74
5137.09	V	50.67		0.53	51.2		74	54	-2.8
5186.28	V	51.42		0.54	51.96		74	54	-2.04
5186.28	V	50.35		0.57	50.92		74	54	-3.08
			111	n (HT20) Cl	H36: 5180N	1Hz			
Frequency (MHz)	Ant. Pol. H/V	Peak reading (DbµV)	AV reading (dBuV)	Correction Factor (Db/m)	Emission Peak (DbµV/m)	AV (DbµV/m)	Peak limit (DbµV/m)	AV limit (DbµV/m)	Margin (Db)
5142.20	, GH	49.66	4-0	0.55	50.21	· (C -)	74	54	-3.79
5150.00	H	51.63		0.66	52.29		74	54	-1.71
5183.20	Н	48.62		0.86	49.48		74	54	-4.52
5150.00	Н	48.02		0.66	48.68		74	54	-5.32
5187.19	Н	47.96		0.85	48.81		74	54	-5.19
		(.G.)		(, 0			(.C)		(
5142.65	V	49.21		0.55	49.76		74	54	-4.24
5150.03	V	50.02		0.66	50.68		74	54	-3.32
5183.29	V	49.51		0.58	50.09		74	54	-3.91
5150.00	V	48.78		0.66	49.44		74	54	-4.56
5187.28	V	49.16	<i>fc</i>	0.57	49.73		74	54	-4.27
			11	n(HT40) Ch	138: 5190M				
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
5135.98	Н	49.32		0.57	49.89		74	54	-4.11
5207.33	Н	49.18		0.86	50.04		74	54	-3.96
5135.98	V	49.83		0.57	50.4		74	54	-3.6
5207.33	V	49.31		0.85	50.16		74	54	-3.84



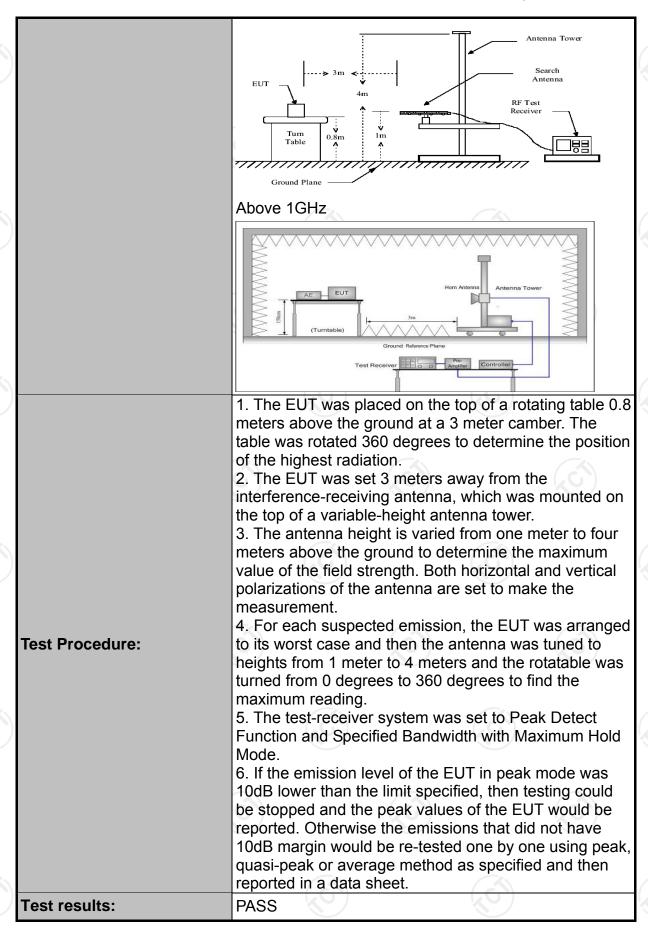
6.8.2. Unwanted Emissions out of the Restricted Bands

6.8.2.1. Test Specification

Test Requirement:	FCC CFR47	Part 15.9	Section 15	407 & 1	5.209 & 15.205		
Test Method:	KDB 789033						
Frequency Range:	9kHz to 40G	Hz	(0)		((0))		
Measurement Distance:	3 m						
Antenna Polarization:	Horizontal &	Vertical					
	Transmitting mode with modulation						
Operation mode:	Transmitting	mode wit	n modulat	ION			
	Frequency	Detector	RBW	VBW	Remark		
	9kHz- 150kHz	Quasi-peal	k 200Hz	1kHz	Quasi-peak Value		
Receiver Setup:	150kHz- 30MHz	Quasi-peal	k 9kHz	30kHz	Quasi-peak Value		
	30MHz-1GHz	Quasi-peal	k 100KHz	300KHz	Quasi-peak Value		
	Above 1CH-	Peak	1MHz	3MHz	Peak Value		
	Above 1GHz	Peak	1MHz	10Hz	Average Value		
	below table, Frequency		Field Strengtl (microvolts/m		Measurement Distance (meters)		
	0.009-0.490		2400/F(KHz) 24000/F(KHz		300		
	0.490-1.705	30					
Limit:	1.705-30		30		30		
	30-88 88-216		100 150		3		
	216-960		200		3		
	Above 960		500		3		
		_					
	Frequency		Limit (dBuV/r	m @3m)	Detector		
	Above 1G		74.0		Peak		
			54.0		Average		
Test setup:	For radiated	stance = 3m Turn table		Pre-A	Computer		









54 %

6.8.3. Test Data

Please refer to following diagram for individual Below 1GHz

Horizontal:



Site Chamber #2 Limit: FCC Part 15B Class B RE_3 m Polarization: *Horizontal* Temperature: Power: AC 120V/60Hz Humidity:

ķ	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
_			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
_	1		33.5700	39.73	-12.90	26.83	40.00	-13.17	QP			
-	2		99.7676	39.49	-11.20	28.29	43.50	-15.21	QP			
-	3	İ	200.0432	48.47	-9.82	38.65	43.50	-4.85	QP			
_	4	İ	371.2679	46.17	-5.18	40.99	46.00	-5.01	QP			
-	5	*	384.5446	46.15	-4.36	41.79	46.00	-4.21	QP			
	6		713.6916	35.65	3.64	39.29	46.00	-6.71	QP			



Vertical:



Site Chamber #2 Limit: FCC Part 15B Class B RE_3 m Polarization: Vertical

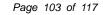
Temperature: 23

Power: AC 120V/60Hz Humidity: 54 %

_	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
_			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
_	1	*	32.4107	41.71	-12.69	29.02	40.00	-10.98	QP			
ζ-	2		49.0626	35.88	-9.71	26.17	40.00	-13.83	QP			
_	3		200.0432	36.88	-9.82	27.06	43.50	-16.44	QP			
_	4	;	371.2679	38.58	-5.18	33.40	46.00	-12.60	QP			
_	5	(607.1806	31.56	0.89	32.45	46.00	-13.55	QP			
_	6	-	734.0372	27.82	5.44	33.26	46.00	-12.74	QP			

Note: 1.The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

2. Measurements were conducted in all three channels (high, middle, low) and all modulation (802.11a, 802.11n), and the worst case Mode (Lowest channel and 802.11a) was submitted only.





			IV.	Modulation 7	5180MHz	<u> </u>			
		Peak	1	Correction		on Level			
requency (MHz)	Ant. Pol. H/V	reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Peak (dBµV/m)	AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
10360	Н	50.62		0.75	51.37		74	54	-2.63
15540	NH.	41.33	-/- (\)	9.87	51.2	(- -	74	54	-2.8
	OH		70			(0.7		70	
					-				
10360	V	49.57		0.75	50.32		74	54	-3.68
15540	V	41.42		9.87	51.29		74	54	-2.71
	V								/
			•	11a CH44:	5220MHz				
requency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
10440	H	49.51		0.97	50.48		74	54	-3.52
15660	Н	40.99	<i>4</i> ~ \	9.83	50.82		74	54	-3.18
	Н		KO,			() J		<u>K</u>	
10440	V	49.31		0.97	50.28		74	54	-3.72
15660	V	40.85		9.83	50.68		74	54	-3.32
	V								/
		(C)		11a CH48:	5240MHz				4
requency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
10480	Н	49.57	/.	1.18	50.75	7-	74	54	-3.25
15720	Н	39.65	(-c)	10.07	49.72	.C. 2 }	74	54	-4.28
	H					<u></u>		-	
							T		
10480	V	49.99		1.18	51.17		74	54	-2.83
15720	V	40.53		10.07	50.60		74	54	-3.40
<u></u>	V			(c					(
									X.
			111	n(HT20) CH					
	Ant Dal	Peak	^ \ / no o olino	Correction	Emissio	on Level	Dool limit	A \ / 1::4	N / : -

			11	n(HT20) CH	136: 5180M	Hz			
requency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Emissic Peak (dBµV/m)	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
10360	O H	49.42	120	1.18	50.6	(O)	74	54	-3.4
15540	H	39.56		10.07	49.63		74	54	-4.37
	Н								
10360	V	49.93		1.18	51.11		74	54	-2.89
15540	V	40.39		10.07	50.46		74	54	-3.54
/	V				<i></i>		<u></u>		\
			11:	n(HT20) CH	144: 5220M	Hz			
requency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
10440	H	47.99	KO	0.97	48.96	KO-7	74	54	-5.04
15660	Н	40.06		9.83	49.89		74	54	-4.11
	Н								
10440	V	47.2		0.97	48.17		74	54	-5.83
15660	V	40.49		9.83	50.32		74	54	-3.68



MHz H/V Reading (dBμV) (dBμV) (dBμV/m)	
Frequency (MHz)	
Trequency (MHz)	
15720	Margin (dB)
10480	-5.17
10480	-4.05
15720	
15720	
Trequency (MHz)	-6.33
Tan(HT40) CH38: 5190MHz Frequency (MHz)	-3.86
Frequency (MHz)	/
Trequency (MHz)	
10380 H 48.85 0.75 49.6 74 54 15570 H 40.41 9.87 50.28 74 54 H 10380 V 47.44 0.75 48.19 74 54 15570 V 40.1 9.87 49.97 74 54 15570 V 40.1 9.87 49.97 74 54 V 11n(HT40) CH46: 5230MHz Frequency (MHz) Ant. Pol. H/V reading (dBμV) (dBμV) (dBμV/m) (dBμV/m) (dBμV/m) (dBμV/m) (dBμV/m) 10460 H 47.14 0.97 48.11 74 54 15690 H 40.33 9.83 50.16 74 54	Margin (dB)
10380	-4.4
10380 V 47.44 0.75 48.19 74 54 15570 V 40.1 9.87 49.97 74 54 V 11n(HT40) CH46: 5230MHz Frequency (MHz) Ant. Pol. H/V (dBμV) (dBμV) (dBμV) (dBμV) (dBμV/m) (dBμV/	-3.72
15570 V 40.1 9.87 49.97 74 54 V 11n(HT40) CH46: 5230MHz Frequency (MHz)	
15570 V 40.1 9.87 49.97 74 54 V 11n(HT40) CH46: 5230MHz Frequency (MHz)	
V	-5.81
Trequency (MHz)	-4.03
Frequency (MHz)	/
Frequency (MHz) Ant. Pol. (MHz) reading (dBμV) AV reading (dBμV) Factor (dB/m) Peak (dBμV/m) AV (dBμV/m) Peak (dBμV/m) AV (dBμV/m) Peak (dBμV/m) AV (dBμV/m) Peak (dBμV/m) AV (dBμV/m)	
15690 H 40.33 9.83 50.16 74 54	Margin (dB)
	-5.89
H	-3.84
10460 V 47.33 0.97 48.3 74 54	<u> </u>
45000 1/ 00 70 1 000 10 01 71 51	-5.7 -4.39
Note:	(

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. $Margin (dB) = Emission Level (Peak) (dB\mu V/m)-Average limit (dB\mu V/m)$
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 40GHz.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.



Modulation Type: Band IV

						ypo. Bana i				
					11a CH149	: 5745MHz				
Fre	equency MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Emissio Peak (dBµV/m)	AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
1	11490	I	45.97		0.66	46.63		74	54	-7.37
1	7235	I	38.52		9.5	48.02		74	54	-5.98
		H		7-		/	4			
		(C_{i})		70.			(0)		(20)	
1	11490	V	44.56		0.66	45.22	<u> </u>	74	54	-8.78
1	7235	V	35.6		9.5	45.1		74	54	-8.9
		V								

				11a CH157	: 5785MHz				
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
11570	Н	42.95		0.99	43.94		74	54	-10.06
17355	Н	34.61	<i>-</i>	9.85	44.46		74	54	-9.54
/	KO H		IKO.	/		(0.7		KO	
11570	V	43.7		0.99	44.69		74	54	-9.31
17355	V	37.35		9.85	47.2		74	54	-6.8
	V								/
))		(20)	•		(* ر	•	(0)		

	11a CH165: 5825MHz											
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)			
11650	H	47.45	<i></i>	1.33	48.78		74	54	-5.22			
17475	Н	37.81	*	10.22	48.03	7	74	54	-5.97			
	Н											
11650	V	43.5		1.33	44.83		74	54	-9.17			
17475	V	36.81		10.22	47.03		74	54	-6.97			
<i>?)</i>	V	(12))		(<u>2</u> 2)					

	11n(HT20) CH149: 5745MHz											
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Emissio Peak (dBµV/m)	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)			
11490	H	44.49		0.66	45.15		74	54	-8.85			
17235	Н	35.78		9.5	45.28		74	54	-8.72			
	Н											
2					Z \							
11490	V	45.81		0.66	46.47		74	54	-7.53			
17235	V	34.63		9.5	44.13		74	54	-9.87			
	V											

Page 106 of 117



	11n(HT20) CH157: 5785MHz										
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)		
11570	Н	45.26		0.66	45.92		74	54	-8.08		
17355	Н	32.83		9.5	42.33		74	54	-11.67		
	Н										
11570	V	47.65	[C]	0.66	48.31		74	54	-5.69		
17355	V	35.21		9.5	44.71	<u></u>	74	54	-9.29		
	V										

	11n(HT20) CH165: 5825MHz										
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)		
11650	Η	45.57		0.99	46.56		74	54	-7.44		
17475	Н	35.35		9.85	45.2		74	54	-8.8		
/	Ξ			\	/				\		
· /			NO.					KO,	/		
11650	V	42.8		0.99	43.79		74	54	-10.21		
17475	V	32.71		9.85	42.56		74	54	-11.44		
	V										

	11n(HT40) CH151: 5755MHz											
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)			
11510	Н	43.57		1.33	44.9		74	54	-9.1			
17265	Н	36.9	[C]	10.22	47.12	C 24	74	54	-6.88			
'4	Н		-			<u></u>						
11510	V	42.66		1.33	43.99		74	54	-10.01			
17265	>	32.46		10.22	42.68		74	54	-11.32			
	V			(c					(. c			

	11n(HT40) CH159: 5795MHz											
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)			
11590	OH	44.51	40	0.66	45.17	(O)	74	54	-8.83			
17385	H	33.42		9.5	42.92		74	54	-11.08			
	Н											
11590	V	45.89		0.66	46.55		74	54	-7.45			
17385	V	34.69		9.5	44.19		74	54	-9.81			
J	V			(<i></i>		<u></u>		(

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 40GHz.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.

Page 107 of 117



6.9. Frequency Stability Measurement

6.9.1. Test Specification

Test Requirement:	FCC Part15 Section 15.407(g) &Part2 J Section 2.1055						
Test Method:	ANSI C63.10: 2013						
Limit:	The frequency tolerance shall be maintained within the band of operation frequency over a temperature variation of 0 degrees to 45 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.						
Test Setup:	Spectrum Analyzer EUT AC/DC Power supply						
Test Procedure:	a. The EUT was placed inside the environmental test chamber and powered by nominal AC/DC voltage. b. Turn the EUT on and couple its output to a spectrum analyzer. c. Turn the EUT off and set the chamber to the highest temperature specified. d. Turn the EUT on and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. e. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature by not more that 10 °C. f. The test chamber was allowed to stabilize at +20 degree C. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.						
Test Result:	PASS						
Remark:	Pre-scan was performed at Antenna 0, Antenna 1 and Antenna 2, no worst case was found. Only the test data of Antenna 0 was shown in this report. For the test data of varying temperature, only the result for 10minutes was shown in this report.						



6.9.2. Test Instruments

	RF Test Room											
Equipment Manufacturer Model Serial Number Calibration I												
Spectrum Analyzer	R&S	FSQ	200061	Aug. 12, 2017								
DC power supply	Kingrang	KR3005K 30V/5A	N/A	Aug. 12, 2017								
Programable tempratuce and humidity chamber	JQ	JQ-2000	N/A	Aug. 12, 2017								
RF cable	TCT	RE-06	N/A	Aug. 12, 2017								
Antenna Connector	TCT	RFC-01	N/A	Aug. 12, 2017								

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).



Page 109 of 117



Test plots as follows:

Test mode:	802.	11a	Freque	ency(MHz):		5180	
Temperature (°C)	Voltage(VDC)	Measu	rement	Delta		Result	
remperature (C)	voltage(vDC)	Frequen	icy(MHz)	Frequency(Hz)	Result	
45		5180	.0071	7100		PASS	
35		5180	.0059	5900		PASS	
25	3.3	5179	.9894	-10600		PASS	
15	3.3	5180	.0010	1000		PASS	
5		5180	.0073	7300		PASS	
0	(6)	5180	.0046	4600		PASS	
	3.795	5179	.9845	-15500		PASS	
20	3.3	5180	.0055	5500		PASS	
	2.805	5179	.9847	-15300		PASS	

Test mode:		802.11	a	Freque	ency(MH	lz):	52	220	
Temperature (°C)	Volta	ge(VAC)	Measu	rement	D	elta		Result	
remperature (C)	volla	ige(vAC)	Frequency(MHz)		Frequency(Hz)			result	
45			5220.	0048	48	300)	PASS	
35			5220.	0048	48	300		PASS	
25		3.3	5220.0053		5	300		PASS	
15		3.3	5220.	0030	3000 -4300			PASS	
5		(.0)	5219.	9957				PASS	
0			5219.	9921	-7	900		PASS	
	3.795		5219.	9970	-3000			PASS	
20		3.3	5220.	0017	1	700		PASS	
	2	2.805	5220.	0061	6	100		PASS	

Test mode:		802.11a		Freque	Frequency(MHz):			5240	
Temperature (°C)	C) Voltage(VA		Measu	rement	Delta			Resi	ılt
remperature (0)	voltage	(710)	Frequen	cy(MHz)	Frequency(Hz)		Hz)	rtoodit	
45			5240	.0056	56	600		PAS	S
35			5240	.0064	64	100		PAS	S
25	3.3)	5240.0051		5100			PAS	S
15	3.0)	5239.9975		-2500			PAS	S
5			5239.9974		-2600		9)	PAS	S
0	52		5239	.9963	-3	700		PAS	S
	3.795		5240.0024		2400			PAS	S
20	3.3	3	5240	.0047	47	700		PAS	S
(ZO')	2.80)5	5239	.9948	-5	200		PAS	S





Test mode:	802.1	1a Freque	ency(MHz):	5745
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(Hz)	Result
45		5745.0111	11100	PASS
35		5745.0089	8900	PASS
25	3.3	5745.0077	7700	PASS
15	3.3	5745.0021	2100	PASS
5		5744.9960	-4000	PASS
0		5744.9982	-1800	PASS
	3.795	5745.0014	1400	PASS
20	3.3	5745.0013	1300	PASS
	2.805	5745.0027	2700	PASS

Test mode:	802.1	1a Frequ	ency(MHz):	5785	
Temperature (°C)	Voltage(VAC)	Measurement	Delta	Result	
Temperature (C)	voitage(vAC)	Frequency(MHz)	Frequency(Hz)	Nesuit	
45		5785.0035	3500	PASS	
35		5785.0027	2700	PASS	
25	3.3	5785.0021	2100	PASS	
15	3.3	5785.0006	600	PASS	
5		5785.0012	1200	PASS	
0		5785.0034	3400	PASS	
(60.)	3.795	5785.0021	2100	PASS	
20	3.3	5785.0042	4200	PASS	
	2.805	5784.9955	-4500	PASS	

Test mode:		802.11	la	Freque	ency(MHz): 5825			
Temperature (°C)	\/c	oltage(VAC)	Measurement		Delta		Result	
Temperature (C)	۷	ntage(VAC)	Frequen	cy(MHz)	Frequer	ncy(Hz)	Nesui	•
45			5825.	0079	79	00	PASS	
35			5825.	0035	35	00	PASS	
25		3.3	5825.	0020	20	00	PASS	
15		3.3	5824.	9972	-28	300	PASS	
5			5824.	9965	-35	000	PASS	
0	(.c		5824.	9940	-60	000	PASS	
		3.795	5825.	0039	39	00	PASS	Ņ
20		3.3	5825.	0010	10	00	PASS	
		2.805	5825.	0027	27	00	PASS	•





Test mode:	802.11n(l	HT20)	Freque	uency(MHz): 518		5180	
Temperature (°C)	Voltage(VAC)	Measurement		Delta		Result	
remperature (C)	voitage(vAC)	Frequenc	y(MHz)	Frequency(I	Hz)	Result	
45		5180.0	0054	5400		PASS	
35		5180.0	0016	1600		PASS	
25	3.3	5179.9	9967	-3300		PASS	
15	3.3	5179.9	9965	-3500		PASS	
5		5180.0	0035	3500		PASS	
0		5180.0	0052	5200		PASS	
	3.795	5180.0	0033	3300	-7)	PASS	
20	3.3	5179.9	9957	-4300		PASS	
	2.805	5179.9	9969	-3100		PASS	

Test mode:		802.11n(F	HT20)	Freque	ency(MHz): 5220		5220	
Temperature (°C)	Vo	oltage(VAC)		Measurement Frequency(MHz)		a 21/(Hz)	Result	
45			5220.0037		Frequence 370	J \	PASS	
35			5220.	0037	370	0	PASS	
25		3.3	5220.	0059	590	0	PASS	K
15		3.3	5220	.005	500	0	PASS	
5			5220.	0016	160	0	PASS	
0			5220.	0053	530	0	PASS	
(70.)		3.795	5219.9977		-230	0	PASS	
20		3.3	5219.9955		-450	0	PASS	
	•	2.805	5220.	0028	280	0	PASS	

Test mode:		802.11n(F	IT20)	T20) Freque		ency(MHz): 5240		
Temperature (°C)	Voltage(VAC)		Measurement		Delta		Result	
remperature (C)	۷	ntage(VAC)	Frequen	cy(MHz)	Frequenc	y(Hz)	Result	
45			5240.	.0074	7400)	PASS	
35			5240.	.0052	5200)	PASS	
25		3.3	5240.	.0047	4700)	PASS	
15		3.3	5239.	.9983	-170	0	PASS	
5			5239.	.9988	-120	0	PASS	
0	(.c		5239.	.9982	-180	0	PASS	
		3.795	5240.	.0054	5400		PASS	
20		3.3	5240.	.0021	2100)	PASS	
		2.805	5240.	.0021	2100)	PASS	





Test mode:	802.11n(l	HT20)	Freque	Frequency(MHz):		5745	
Temperature (°C)	Voltage(VAC)	Measurement		Delta		Result	
remperature (C)	voitage(vAC)	Frequency	/(MHz)	Frequency(I	Hz)	Result	
45		5745.00	067	6700		PASS	
35		5745.00	028	2800		PASS	
25	3.3	5745.00	031	3100		PASS	
15	3.3	5745.00	019	1900		PASS	
5		5745.00	013	1300		PASS	
0		5745.00	074	7400		PASS	
	3.795	5745.00	042	4200	- 1	PASS	
20	3.3	5744.99	940	-6000		PASS	
	2.805	5745.00	028	2800		PASS	

Test mode:	802.11n(H	HT20) Freq	uency(MHz):	5785
Temperature (°C)	Voltage(VAC)	Measurement	Delta	Result
Temperature (C)	voilage(vAC)	Frequency(MH:	z) Frequency(H	z) Result
45		5785.0101	10100	PASS
35		5785.0045	4500	PASS
25	3.3	5785.0029	2900	PASS
15	3.3	5784.9987	-1300	PASS
5		5784.9932	-6800	PASS
0		5785.0021	2100	PASS
(20.)	3.795	5785.0038	3800	PASS
20	3.3	5785.0033	3300	PASS
	2.805	5785.0050	5000	PASS

Test mode:	802.11n(l	802.11n(HT20) Frequency(MHz): 5825		5825	
Temperature (°C)	Voltage(VAC)	Measur	ement	Delta	Result
Temperature (C)	voltage(vAC)	Frequenc	cy(MHz)	Frequency(H	lz)
45		5824.	9815	-18500	PASS
35		5824.	9935	-6500	PASS
25	3.3	5824.	9959	-4100	PASS
15	3.3	5824.	9973	-2700	PASS
5		5825.	0016	1600	PASS
0		5825.	0046	4600	PASS
	3.795	5825.	0042	4200	PASS
20	3.3	5824.	9987	-1300	PASS
	2.805	5825.	0026	2600	PASS





Test mode:	802.11n(l	HT40) Fi	Frequency(MHz):		iency(MHz): 5190	
Temperature (°C)	Voltage(VAC)	Measurement		Delta		Result
remperature (C)	voitage(vAC)	Frequency(N	/lHz)	Frequency(I	Hz)	Resuit
45		5190.008	1	8100		PASS
35		5190.007	7	7700		PASS
25	3.3	5190.008	8	8800		PASS
15	3.3	5190.002	3	2300		PASS
5		5190.007	5	7500		PASS
0		5190.005	2	5200	_,	PASS
	3.795	5189.993	3	-7000	-1)	PASS
20	3.3	5189.995	2	-4800		PASS
	2.805	5190.006	2	6200		PASS

Test mode:	802.11n(l	HT40) Fre	quency(MHz):	5230
Temperature (°C)	Voltage(VAC)	Measuremer	nt Delta	Result
Temperature (C)	voitage(vAC)	Frequency(MI	Hz) Frequency(Hz)
45		5230.0074	7400	PASS
35		5230.0072	7200	PASS
25	3.3	5230.0082	8200	PASS
15	3.3	5229.9944	-5600	PASS
5		5229.9926	-7400	PASS
0		5229.9956	-4400	PASS
(80.)	3.795	5230.0037	3700	PASS
20	3.3	5230.0061	6100	PASS
	2.805	5230.0043	4300	PASS

Test mode:	802.11n(HT40) F	requency(MHz	(MHz): 5755		
Temperature (°C)	mperature (°C) Voltage(VAC)		ent De		Result	
remperature (0)	voitage(v/to)	Frequency(N	ИHz) Frequer	ncy(Hz)	rtosuit	
45		5755.021	1 211	100	PASS	
35		5755.012	2 122	200	PASS	
25	3.3	5755.010	4 104	100	PASS	
15	3.3	5755.005	9 59	00	PASS	
5		5755.003	5 35	00	PASS	
0	(c)	5755.007	5 75	00	PASS	
	3.795	5755.004	6 46	00	PASS	Ñ
20	3.3	5755.003	2 32	00	PASS	
	2.805	5755.006	5 65	00	PASS	



Test mode:	802.11r	(HT40)	Freque	ency(MHz):	5795
Temperature (°C)	Voltage(VAC)	Measu Frequen			Hz) Result
45		5794	.9866	-13400	PASS
35		5794	.9849	-15100	PASS
25	3.3	5795	.0046	4600	PASS
15	3.3	5795	.0021	2100	PASS
5		5795	.0060	6000	PASS
0		5795	.0081	8100	PASS
2.	3.795	5795	.0092	9200	PASS
20	3.3	5794	.9955	-4500	PASS
	2.805	5795	.0068	6800	PASS





7. Appendix A: Photographs of Test Setup

Product: Wi-Fi® Radio Transceiver Model: NM-DB-3 Radiated Emission





Page 116 of 117



Conducted Emission



8. Photographs of EUT

Refer to the test report No. TCT170221E009

*****END OF REPORT****

