

Test plot

(802.11 n40) 6dB Bandwidth plot on channel 151

RL RF SD Q AC	Cente Trig: F	SENSE:INT r Freq: 5.755000000 GHz ree Run Avg Hol : 30 dB	alignauto d>10/10	06:55:27 P Radio Std Radio Dev		Trace/	Detector
10 dB/div Ref 20.00 dBm							
						С	ear Writ
-10.0						_	
							Averag
50.0 manufalouristeristeristeristeristerist			90.00	Manulodya	ntryWorked.	-	-
-70.0							Max Hol
Center 5.755 GHz #Res BW 100 kHz	#	VBW 300 kHz			n 80 MHz 7.667 ms		Min Hol
Occupied Bandwidtl		Total Power	16.9	dBm			
35	.902 MHz						Detecto
Transmit Freq Error	41.605 kHz	OBW Power	99	.00 %		Auto	Ma
x dB Bandwidth	36.25 MHz	x dB	-6.	00 dB			

(802.11 n40) 6dB Bandwidth plot on channel 159

RL RF 50 Q AC	CORREC	SENSE:INT ter Freg: 5,79500		INAUTO	06:55:55 Radio Sto	M May 17, 2019	Trac	Detector
	Trig:	Free Run	Avg Hold>10	/10	Radio De			
	WIFGain:Low water	HI. 30 GD		_	Radio De	nce. B13		
dBidiv Ref 20.00 dBm								
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0.0								lear Writ
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				١				Averag
· · · · · · · · /								Averag
0.0				Mod	methown for for	manne		
0.0								
0.0								Max Hol
enter 5.795 GHz Res BW 100 kHz		#VBW 300 k			Spa	n 80 MHz 7.667 ms		
Res BW 100 KHZ		#VEVV 300 K	nz		Sweep	7.007 ms		Min Hol
Occupied Bandwidth	n	Total P	ower	17.1	dBm			
35	.877 MHz							Detecto
								Peak
Transmit Freq Error	13.978 kHz	OBW P	ower	99	.00 %		Auto	Ma
x dB Bandwidth	36.38 MHz	x dB		-6.	00 dB			

7. MAXIMUM CONDUCTED OUTPUT POWER

7.1 PPLIED PROCEDURES / LIMIT

According to FCC §15.407

The maximum conduced output power should not exceed:

Frequency Band(MHz)	Limit
5150~5250	250mW
5725~5850	1W

7.2 TEST PROCEDURE

• Maximum conducted output power may be measured using a spectrum analyzer/EMI receiver or an RF power meter.

1. Device Configuration

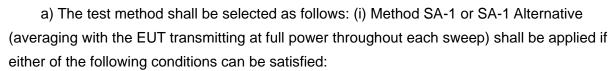
If possible, configure or modify the operation of the EUT so that it transmits continuously at its maximum power control level (see section II.B.).

a) The intent is to test at 100 percent duty cycle; however a small reduction in duty cycle (to no lower than 98 percent) is permitted if required by the EUT for amplitude control purposes. Manufacturers are expected to provide software to the test lab to permit such continuous operation.

b) If continuous transmission (or at least 98 percent duty cycle) cannot be achieved due to hardware limitations (e.g., overheating), the EUT shall be operated at its maximum power control level with the transmit duration as long as possible and the duty cycle as high as possible.

2. Measurement using a Spectrum Analyzer or EMI Receiver (SA)

Measurement of maximum conducted output power using a spectrum analyzer requires integrating the spectrum across a frequency span that encompasses, at a minimum, either the EBW or the 99-percent occupied bandwidth of the signal.1 However, the EBW must be used to determine bandwidth dependent limits on maximum conducted output power in accordance with § 15.407(a).



• The EUT transmits continuously (or with a duty cycle \geq 98 percent).

• Sweep triggering or gating can be implemented in a way that the device transmits at the maximum power control level throughout the duration of each of the instrument sweeps to be averaged. This condition can generally be achieved by triggering the instrument's sweep if the duration of the sweep (with the analyzer configured as in Method SA-1, below) is equal to or shorter than the duration T of each transmission from the EUT and if those transmissions exhibit full power throughout their durations.

(ii) Method SA-2 or SA-2 Alternative (averaging across on and off times of the EUT transmissions, followed by duty cycle correction) shall be applied if the conditions of (i) cannot be achieved and the transmissions exhibit a constant duty cycle during the measurement duration. Duty cycle will be considered to be constant if variations are less than ± 2 percent.

(iii) Method SA-3 (RMS detection with max hold) or SA-3 Alternative (reduced VBW with max hold) shall be applied if the conditions of (i) and (ii) cannot be achieved.

b) Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep): (i) Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.

(ii) Set RBW = 1 MHz.

NTEK北测

(iii) Set VBW ≥ 3 MHz.

(iv) Number of points in sweep \geq 2 Span / RBW. (This ensures that bin-to-bin spacing is \leq RBW/2, so that narrowband signals are not lost between frequency bins.)

(v) Sweep time = auto.

(vi) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.

(vii) If transmit duty cycle < 98 percent, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle \geq 98 percent, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to "free run".

(viii) Trace average at least 100 traces in power averaging (i.e., RMS) mode.

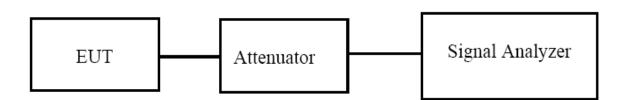
(ix) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum



7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



7.6 TEST RESULTS

EUT :	ISAAC InControl tablet	Model Name. :	TABIC1				
Temperature :	25 ℃	Relative Humidity :	60%				
Pressure :	1012 hPa	Test Voltage :	DC 3.7V				
Test Mode :	TX (5G) Mode Frequency Banc	TX (5G) Mode Frequency Band I (5150-5250MHz)					

Test	Frequency	Maximum output power. Antenna port (AV)	LIMIT	Result	
Channel (MHz)		(dBm)	dBm		
		TX 802.11a Mo	de		
CH36	5180	12.0	23.98	Pass	
CH40	5200	11.8	23.98	Pass	
CH48	CH48 5240 11.6		23.98	Pass	
		TX 802.11 n20M l	Mode		
CH36	5180	11.7	23.98	Pass	
CH40	5200	11.4	23.98	Pass	
CH48	5240	11.9	23.98	Pass	
		TX 802.11 n40M l	Mode		
CH38	5190	11.7	23.98	Pass	
CH46	5230	11.9	23.98	Pass	



Report No.: S19043003503004

EUT:	ISAAC InControl tablet	Model Name. :	TABIC1				
Temperature :	25 ℃	Relative Humidity :	60%				
Pressure :	1012 hPa	Test Voltage :	DC 3.7V				
Test Mode :	TX (5G) Mode Frequency Band	TX (5G) Mode Frequency Band IV (5725-5850MHz)					

Test	Frequency	Maximum output power. Antenna port (AV)	LIMIT	Result
Channel	(MHz)	(dBm)	dBm	
		TX 802.11a Mod	е	
CH 149	5745	10.1	30	Pass
CH 157	5785	9.7	30	Pass
CH 165	5825	9.5	30	Pass
		TX 802.11 n20M M	ode	
CH 149	5745	10.1	30	Pass
CH 157	5785	9.5	30	Pass
CH 165	5825	10.0	30	Pass
		TX 802.11 n40M M	ode	
CH 151	5755	10.1	30	Pass
CH 159	5795	9.4	30	Pass



8. OUT OF BAND EMISSIONS

8.1 APPLICABLE STANDARD

According to FCC §15.407(b)

Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at 5 MHz above or below the band edge.

8.2 TEST PROCEDURE

- 1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
- 3. Set RBW of spectrum analyzer to 1 MHz with a convenient frequency span.
- 4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
- 5. Repeat above procedures until all measured frequencies were complete.

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



8.6 TEST RESULTS

EUT :	ISAAC InControl tablet	Model Name. :	TABIC1
Temperature :	25 ℃	Relative Humidity :	56%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V

5.15~5.25 GHz

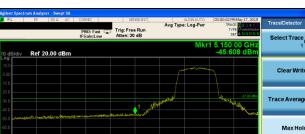
(802.11a) Band Edge, Left Side

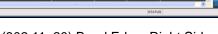


(802.11a) Band Edge, Right Side



r 5.15000 GH BW 1.0 MHz





Span 120.0 M eep 1.000 ms (1001 p

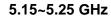
Min H

(802.11n20) Band Edge, Right Side









(802.11n40) Band Edge, Left Side



(802.11n40) Band Edge, Right Side

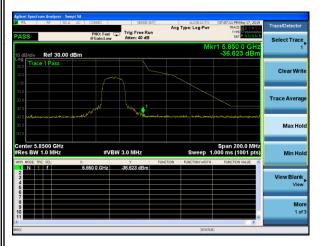
RL	RF 50 \$		PNO: Fast G	SENSE IN Trig: Free Run Atten: 30 dB	Avg	ALIGNAUTO Type: Log-Pwr	02:52:31 PM May 17, 2019 TRACE 2 3 4 5 0 TYPE M WWWWWWWW	Trace/Detector
10 dB/div	Ref 20.00		FGain:Low	Atten: 30 dB		Mkr	1 5.350 00 GHz -48.871 dBm	Select Trace 1
10.0 0.00	<u> </u>							Clear Writ
-10.0 -20.0 -30.0		Maryhoward		1			-27.00 offen	Trace Averag
60.0 60.0 70.0			*******	- Barrell-matrices		and for an	eriptanososkatasanasosjanas	Max Hol
Res BW	3500 GHz 1.0 MHz	×	#VB\	V 3.0 MHz	FUNCTION	Sweep 1	Span 320.0 MHz .000 ms (1001 pts) FUNCTION VALUE	Min Hol
2 3 4 5 6		5.350	00 GHz	-48.871 dBm				View Blank View
7 8 9 10								Mor 1 of
11								



Constraint Address (Market P) PASS PROF (Market P) PASS PASS

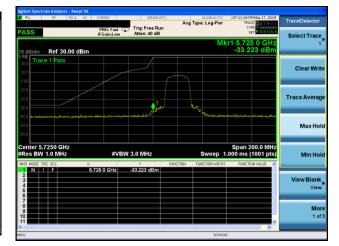
(802.11a) Band Edge, Left Side

(802.11a) Band Edge, Right Side

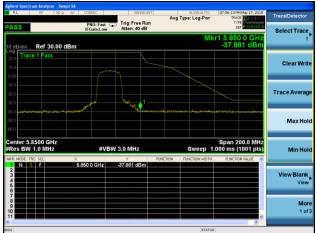


(802.11n20) Band Edge, Left Side

5.725~5.850 GHz



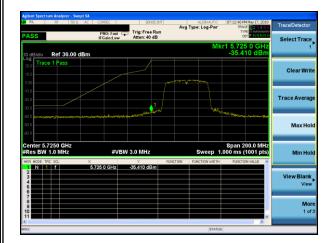
(802.11n20) Band Edge, Right Side





5.725~5.850 GHz

(802.11n40) Band Edge, Left Side



(802.11n40) Band Edge, Right Side

	AC CORREC SENS	Avg Type: Log-Pwr	07:05:02 PM May 17, 2019 TRACE 224 5 6	Trace/Detector
PASS	PNO: Fast Trig: Free I IFGain:Low Atten: 40 of		DET P N N N N N	Select Trace
IQ dB/div Ref 30.00 dl	Bm	M	kr1 5.850 0 GHz -38.630 dBm	1
20.0 Trace 1 Pass				Clear Writ
0.00				
20.0				Trace Averag
30.0 40.0 mmmmmathat	weeking danishers had	1 Heldenson and an and a star and a	والمعادية والمحاولة و	
60.0				Max Hol
Center 5.8500 GHz #Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep	Span 200.0 MHz 1.000 ms (1001 pts)	Min Hol
MKR MODE TRC SCL	× Y 5.850 0 GHz -38,630 dB	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	
2 3 4 5 6				View Blank View
				Mor
7 8 9 10				1 of



9.SPURIOUS RF CONDUCTED EMISSIONS

9.1CONFORMANCE LIMIT

- 1. Below -20dB of the highest emission level in operating band.
- 2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

9.2MEASURING INSTRUMENTS

The Measuring equipment is listed in the section 6.3 of this test report.

9.3TEST SETUP

Please refer to Section 6.1 of this test report.

9.4TEST PROCEDURE

The Spurious RF conducted emissions compliance of RF radiated emission should be measured by following the guidance in ANSI C63.10-2013 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW=100kHz and VBW= 300KHz to measure the peak field strength, and mwasure frequeny range from 9KHz to 26.5GHz.

9.5TEST RESULTS

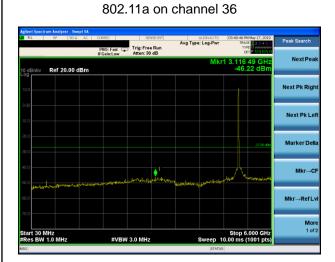
Remark: The measurement frequency range is from 9KHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and bandege measurement data.



Report No.: S19043003503004

5.2G

Test Plot





802.11a on channel 40

802.11a on channel 36

802.11a on channel 40



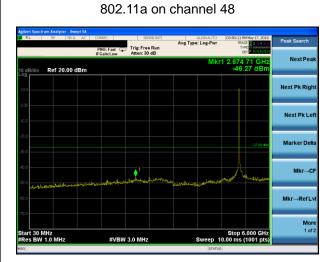
RL RF 50.Ω	PNO: Fast	SENSEINT Trig: Free Run Atten: 30 dB	Avg Type	LIGNAUTO	04:00:33 PM TRACE TYPE DET		Peak Search
IQ dB/div Ref 20.00 dB	IFGain:Low	Atten: 30 GB		M	kr1 25.72 -33.7	21 GHz 8 dBm	NextPea
- og 10.0							Next Pk Rig
10.0							Next Pk L
30.0						-27.00 dBm	Marker D
400 50.0 WMANAA	have been been been	-	and the	~^^.	unhu	√ \∕^	Mkr
60.0							Mkr→Ref
Start 6.00 GHz					Stop 26	.50 GHz	M (
Res BW 1.0 MHz	#VBW 3	.0 MHz	5	Sweep 5	1.27 ms (1	001 pts)	

Version.1.2

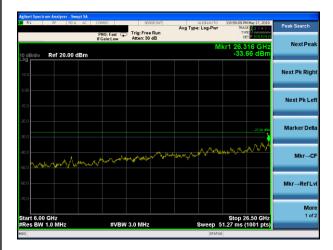
Report No.: S19043003503004



Test Plot

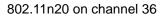


802.11a on channel 48



802.11n20 on channel 36









Test Plot



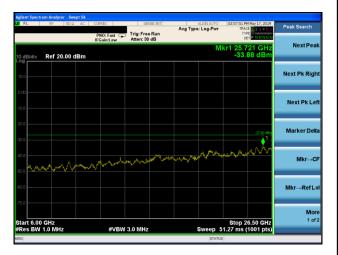
802.11n20 on channel 40

RL	RF S	30 Q AC	CORREC	SENSE:INT	ALIGNAUTO	03:57:09 PM May 17, 2019	Peak Search
			PNO: Fast 🕞 IFGain:Low	Trig: Free Run Atten: 30 dB	Avg Type: Log-Pwr	TRACE 23456 TYPE MUSEUM	
0 dB/div	Ref 20.0	0 dBm			М	kr1 26.295 GHz -33.73 dBm	NextPea
10.0							Next Pk Rig
10.00							Next Pk Lo
20.0 20.0						-27.00 aBn	Marker De
40.0 50.0	www.	June	nama	at and a constrained	and the state of t	whyhan	Mkr→C
80.0							Mkr→RefL
70.0 Start 6.00				V 3.0 MHz		Stop 26.50 GHz 1.27 ms (1001 pts)	Mo 1 of

802.11n20 on channel 48



802.11n20 on channel 48

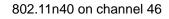




Test Plot

Ref 20.00 dBm

30 MHz BW 1.0 MHz



Trig: Free Run Atten: 30 dB Aug Type: Log-Pw

Peak Sea

Next Pk Ric

Next Pk Le

Marker Del

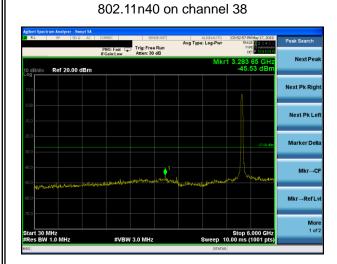
Mkr→Ref L

Mkr→C

More 1 of 2

-46.79 d

Stop 6.000 GHz p 10.00 ms (1001 pts



802.11n40 on channel 38

20 RL	RF 50 Q AC	PNO: Fast	SENSE:INT Trig: Free Run Atten: 30 dB	Avg Type: Log-Pv		Peak Search
10 dB/div	Ref 20.00 dBm				Mkr1 25.762 GHz -33.76 dBm	NextPea
10.0						Next Pk Rig
-10.0						Next Pk Le
-20.0					-27.00 dðiri 1	Marker De
40.0 50.0 10 11 10 10	n han the second	Muran	and the share and the state of	manghathatha	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Mkr→C
-60.0						Mkr→RefL
Start 6.00 G		#VBW	3.0 MHz	Sween	Stop 26.50 GHz 51.27 ms (1001 pts)	Mo 1 of

802.11n40 on channel 46

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#VBW 3.0 MHz





802.11a on channel 157

5.8G

Test Plot





802.11a on channel 149

802.11a on channel 157

RL RF 50 Q AC	PNO: Fast Trig: Free Run IFGain: I my Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr	04:47:14 PM May 17, 2019 TRACE 2 3 4 5 6 TYPE DET P N N N N	Peak Search
0 dB/div Ref 20.00 dBm		М	kr1 25.721 GHz -33.11 dBm	NextPea
10.0				Next Pk Rig
0.00				Next Pk Le
0.0			-27.00 -fn 1	Marker De
a harrow Area	menseland	ten mart Marty	and with the	Mkr→C
				Mkr→RefL
700 Start 6.00 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 5	Stop 26.50 GHz i1.27 ms (1001 pts)	Mo 1 of
5G	#*BV 3.0 MIT2	STATU		

RL RF SDQ AC CO	RREC	SENSE:INT	ALIGNAUTO	04:47:47 PM May 17, 2019	Peak Search
	PNO: Fast 🖵 Gain:Low	Trig: Free Run Atten: 30 dB	Avg Type: Log-Pwr	TRACE 23456 TYPE MULLING DET PNNNNN	
dB/div Ref 20.00 dBm			М	kr1 26.193 GHz -34.08 dBm	NextPeak
3.0					Next Pk Right
					Next Pk Left
0				-27.00 dBm	Marker Delta
10 model and the second s	hallow and a start of a start	ant water and a start of the	non mark the	when when	Mkr→CF
					Mkr→RefLvl
art 6.00 GHz Res BW 1.0 MHz	#VBW :	3.0 MHz	Sweep 5	Stop 26.50 GHz 1.27 ms (1001 pts)	More 1 of 2

802.11n20 on channel 149

Trig: Free Run

Aug Type: Log-Pw

Peak Sea

Next Pk Rig

Next Pk Le

Marker Del

Mkr→C

Mkr→RefL

More 1 of 2

-45.29 d

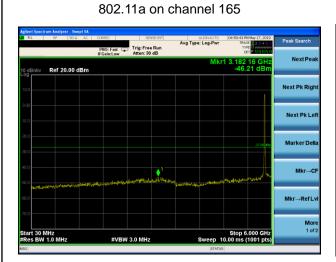
Stop 6.000 GHz ep 10.00 ms (1001 pts



Test Plot

Ref 20.00 dBm

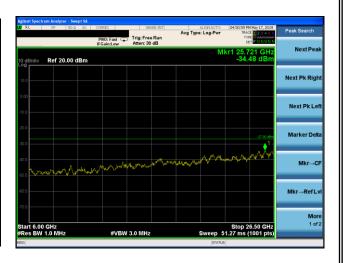
30 MHz BW 1.0 MHz



802.11a on channel 165

802.11n20 on channel 149

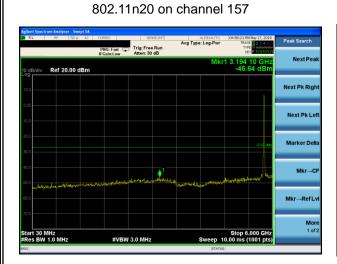
#VBW 3.0 MHz



	PNO: Fast		Run	Avg Type	LIGNAUTO	TRAC	May 17, 2019 E 1 2 3 4 5 6 M M M M M M M M	Peak Search
dB/div Ref 20.00 dBm	IFGain:Low	Addit. 00	0		M	kr1 25.1 -34.	47 GHz 03 dBm	NextPe
a 								Next Pk Rig
.0								Next Pk L
10							-27.00 dBm	Marker D
10 10 martin Aranie	wanter	and the state of the	الاستجا يعلمون	, and the former of the former	,∧,∕\~~	une mo	~~~	Mkr⊸
								Mkr→Ref
ant 6.00 GHz							6.50 GHz	M



Test Plot



802.11n20 on channel 157

802.11n20 on channel 165



802.11n20 on channel 165



		Red - Reve Rever	Avg Type: Log-Pwr	TRACE 2 3 4 5 6 TYPE M 000000000	Peak Search
10 dB/div Ref 20.00	PNO: Fast IFGain:Low	Trig: Free Run Atten: 30 dB	М	kr1 26.234 GHz -33.91 dBm	NextPe
10.0					Next Pk Rig
10.0					Next Pk L
30.0				-27.00 dBm	Marker De
40.0 50.0 mm mm M	all and the second s	al man when the	www.www.cha	man	Mkr→
60.0					Mkr→Ref
Start 6.00 GHz #Res BW 1.0 MHz	#VBW	3.0 MHz	Sween	Stop 26.50 GHz 1.27 ms (1001 pts)	M(1 (



Test Plot



802.11n40 on channel 151

802.11n40 on channel 159



802.11n40 on channel 159



RL	RF 50 Q AC	CORREC	SENSE:INT	Avg Type	ALIGNAUTO		M May 17, 2019	Peak Search
		PNO: Fast 😱 IFGain:Low	Trig: Free Run Atten: 30 dB	Ang type	. Log-r wi	TYP		
0 dB/div	Ref 20.00 dBm				M	(r1 26.2 -32.	275 GHz 93 dBm	NextPea
10.0								Next Pk Rig
10.0								Next Pk L
30.0							-27.00 (%)	Marker De
40.0 50.0	nonnan	and starting and and	ay Mariado Maria	and the second states	A/4A.,	ang Canal Nac	~~~	Mkr→
60.0								Mkr→Ref
70.0 Start 6.00 G	SHz					Stop 2	6.50 GHz	M d 1 d
Res BW 1.		#VBW	3.0 MHz	ş	Sweep 5	1.27 ms (1001 pts)	



10. Frequency Stability Measurement

10.1 LIMIT

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

The transmitter center frequency tolerance shall be \pm 20 ppm maximum for the 5 GHz band (IEEE

802.11n specification).

10.2 TEST PROCEDURES

1. The transmitter output (antenna port) was connected to the spectrum analyzer.

2. EUT have transmitted absence of modulation signal and fixed channelize.

3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.

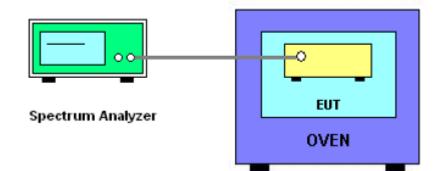
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.

5. fc is declaring of channel frequency. Then the frequency error formula is $(fc-f)/fc \times 10_6$ ppm and the limit is less than ±20ppm (IEEE 802.11nspecification).

6. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value

7. Extreme temperature is -20°C~70°C.

10.3 TEST SETUP LAYOUT



10.4 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously un-modulation transmitting mode.



10.5 TEST RESULTS										
EUT :	ISAAC InControl tablet	Model Name. :	TABIC1							
Temperature :	25 ℃	Relative Humidity :	56%							
Pressure :	1012 hPa Test Voltage : DC 3.7V									
Test Mode :	TX Frequency Band I (5150-5250MHz)									

				Reference Frequency: 5180MHz				
TEST CONDITIONS				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)	
T nom		V nom (V)	3.70	5180.0130	5180	0.0130	-2.5097	
(°C)	20	V max (V)	4.26	5180.0180	5180	0.0180	-3.4664	
(\mathbf{C})		V min (V)	3.15	5180.0100	5180	0.0100	-1.9305	
	Limits			± 20 ppm				
	Result				Complies			

				Refei	ence Fred	quency: 5	180MHz
ТІ	EST CO	NDITIONS	6	f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
		T (°C)	-20	5180.0116	5180	0.0116	-2.2394
		T (°C)	-10	5180.0112	5180	0.0112	-2.1622
		T (°C)	0	5180.0113	5180	0.0113	-2.1815
		T (°C)	10	5180.0128	5180	0.0128	-2.4710
V nom	3.7	T (°C)	20	5180.0123	5180	0.0123	-2.3745
(V)	5.7	T (°C)	30	5180.0131	5180	0.0131	-2.5290
		T (°C)	40	5180.0176	5180	0.0176	-3.3977
		T (°C)	50	5180.0142	5180	0.0142	-2.7413
		T (°C)	60	5180.0137	5180	0.0137	-2.6448
		T (°C)	70	5180.0113	5180	0.0113	-2.1815
	Limits			\pm 20 ppm			
	Re	sult			Co	mplies	



				Refe	rence Free	quency: 5	200MHz	
Т	TEST CONDITIONS				fc	Max. Deviation (MHz)	Max. Deviation (ppm)	
Tnom		V nom (V)	3.70	5200.0125	5200	0.0125	-2.4038	
T nom (°C)	20	V max (V)	4.26	5200.0110	5200	0.0110	-2.1154	
(\mathbf{C})		V min (V)	3.15	5200.0106	5200	0.0106	-2.0385	
	Limits			\pm 20 ppm				
	Result				Complies			

				Refer	ence Free	quency: 52	200MHz
ТІ	EST CO	NDITIONS	6	f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
		T (°C)	-20	5200.0116	5200	0.0116	-2.2308
		T (°C)	-10	5200.0179	5200	0.0179	-3.4423
		T (°C)	0	5200.0159	5200	0.0159	-3.0577
		T (°C)	10	5200.0147	5200	0.0147	-2.8269
V nom	3.7	T (°C)	20	5200.0135	5200	0.0135	-2.5962
(V)	5.7	T (°C)	30	5200.0123	5200	0.0123	-2.3654
		T (°C)	40	5200.0162	5200	0.0162	-3.1154
		T (°C)	50	5200.0140	5200	0.0140	-2.6923
		T (°C)	60	5200.0128	5200	0.0128	-2.4615
		T (°C)	70	5200.0166	5200	0.0166	-3.1923
	Limits			\pm 20 ppm			
	Re	sult			Co	mplies	



				Reference Frequency: 5240MHz				
Т	TEST CONDITIONS				fc	Max. Deviation (MHz)	Max. Deviation (ppm)	
T nom		V nom (V)	3.70	5240.0153	5240	0.0153	-2.9198	
(°C)	20	V max (V)	4.26	5240.0169	5240	0.0169	-3.2252	
(\mathbf{C})		V min (V)	3.15	5240.0147	5240	0.0147	-2.8053	
	Limits			\pm 20 ppm				
	Result				Complies			

				Reference Frequency: 5240MHz			
TI	EST CO	NDITIONS	6	f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
		T (°C)	-20	5240.0126	5240	0.0126	-2.4046
		T (°C)	-10	5240.0138	5240	0.0138	-2.6336
	3.7	T (°C)	0	5240.0160	5240	0.0160	-3.0534
		T (°C)	10	5240.0144	5240	0.0144	-2.7481
V nom		T (°C)	20	5240.0138	5240	0.0138	-2.6336
(V)		T (°C)	30	5240.0125	5240	0.0125	-2.3855
		T (°C)	40	5240.0103	5240	0.0103	-1.9656
		T (°C)	50	5240.0145	5240	0.0145	-2.7672
		T (°C)	60	5240.0126	5240	0.0126	-2.4046
		T (°C)	70	5240.0178	5240	0.0178	-3.3969
	Limits			± 20 ppm			
	Re	sult		Complies			



EUT :	ISAAC InControl tablet	Model Name. :	TABIC1
Temperature :	25 ℃	Relative Humidity :	56%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX Frequency(5745-5825MHz)		
	•		

				Reference Frequency: 5745MHz			
Т	EST CC	NDITIONS		f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°		V nom (V)	3.70	5745.00092	5745	0.00092	-0.1600
```	20	V max (V)	4.26	5745.00763	5745	0.00763	-1.3286
C)		V min (V)	3.15	5745.00905	5745	0.00905	-1.5752
Limits				$\pm$ 20 ppm			
Result				Complies			

				Reference Frequency: 5745MHz			
Т	EST CO	NDITIONS		f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
		T (°C)	-20	5745.00352	5745	0.00352	-0.6121
		T (°C)	-10	5745.01315	5745	0.01315	-2.2887
		T (°C)	0	5745.01151	5745	0.01151	-2.0043
		T (°C)	10	5745.01305	5745	0.01305	-2.2718
V nom	3.7	T (°C)	20	5745.01053	5745	0.01053	-1.8322
(V)		T (°C)	30	5745.00753	5745	0.00753	-1.3110
		T (°C)	40	5745.00845	5745	0.00845	-1.4706
		T (°C)	50	5745.01233	5745	0.01233	-2.1464
		T (°C)	60	5745.01225	5745	0.01225	-2.1328
		T (°C)	70	5745.00838	5745	0.00838	-1.4589
Limits			$\pm$ 20 ppm				
	Re	sult		Complies			



				Reference Frequency: 5785MHz										
Т	EST CC	NDITIONS		f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)							
T nom (°		V nom (V)	3.70	5785.00550	5785	0.00550	-0.9504							
```	20	V max (V)	4.26	5785.00882	5785	0.00882	-1.5245							
C)									V min (V)	3.15	5785.01023	5785	0.01023	-1.7685
Limits				\pm 20 ppm										
Result				Complies										

				Reference Frequency: 5785MHz			
Г	TEST CO	NDITIONS		f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
		T (°C)	-20	5785.00028	5785	0.00028	-0.0477
		T (°C)	-10	5785.00508	5785	0.00508	-0.8787
		T (°C)	0	5785.01244	5785	0.01244	-2.1506
		T (°C)	10	5785.00987	5785	0.00987	-1.7064
V nom	3.7	T (°C)	20	5785.00007	5785	0.00007	-0.0118
(V)	3.7	T (°C)	30	5785.00315	5785	0.00315	-0.5451
		T (°C)	40	5785.00355	5785	0.00355	-0.6133
		T (°C)	50	5785.00204	5785	0.00204	-0.3524
		T (°C)	60	5785.00422	5785	0.00422	-0.7287
		T (°C)	70	5785.01125	5785	0.01125	-1.9439
	Limits			\pm 20 ppm			
	Result				Complies		



				Reference Frequency: 5825MHz					
TE	EST CO	NDITIONS		f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)		
T nom (°		V nom (V)	3.70	5825.00569	5825	0.00569	-0.9761		
``	20	V max (V)	4.26	5825.00514	5825	0.00514	-0.8822		
0)	C) V min (V			5825.00120	5825	0.00120	-0.2064		
	Lin	nits		\pm 20 ppm					
	Re	sult		Complies					

				Refe	Reference Frequency: 5825MHz			
Т	EST CO	NDITIONS		f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)	
		T (°C)	-20	5825.01140	5825	0.01140	-1.9568	
		T (°C)	-10	5825.00971	5825	0.00971	-1.6674	
		T (°C)	0	5825.00773	5825	0.00773	-1.3262	
	3.7	T (°C)	10	5825.00091	5825	0.00091	-0.1557	
V nom		T (°C)	20	5825.00150	5825	0.00150	-0.2582	
(V)	3.7	T (°C)	30	5825.00991	5825	0.00991	-1.7012	
		T (°C)	40	5825.00738	5825	0.00738	-1.2671	
		T (°C)	50	5825.00176	5825	0.00176	-0.3023	
		T (°C)	60	5825.00146	5825	0.00146	-0.2505	
		T (°C)	70	5825.00706	5825	0.00706	-1.2124	
	Limits			\pm 20 ppm				
	Re	sult		Complies				

11. ANTENNA REQUIREMENT

11.1 STANDARD REQUIREMENT

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

11.2 EUT ANTENNA

The EUT antenna is permanent attached FPCB antenna (antenna gain: 2dBi). It comply with the standard requirement.

END OF REPORT