

	trum Analyzer - Swept SA						
Marker 1	RF 50 Ω AC 2.4133200000	00 GHz PNO: Fast	SENSE:INT	Avg	ALIGN AUTO Type: Log-Pwr Iold:>100/100	02:55:33 PM Jul 07, 202 TRACE 1 2 3 4 5 TYPE MWWWW DET P N N N N	Peak Search
10 dB/div	Ref Offset 0.5 dB Ref 10.00 dBm	IFGain:Low	Atten: 20 dB		Mkr	1 2.413 32 GHz -8.403 dBm	Next Peak
Log 0.00 -10.0 -20.0					^		Next Pk Right
-30.0 -40.0 -50.0					2 3 3		Next Pk Left
-60.0 -70.0 -80.0	anna an	MMANL-Hartangtimentitypentities	aluturun an anna an an anna an an an an an an a	ll lynn metar an offici	A A A A A A A A A A A A A A A A A A A		Marker Delta
Start 2.31 #Res BW	100 kHz		300 kHz -8.403 dBm	FUNCTION		Stop 2.43000 GHz 1.53 ms (1001 pts FUNCTION VALUE	
2 N 1 3 N 1 4 5 6	f	2.400 00 GHz 2.398 92 GHz	-43.782 dBm -51.756 dBm				Mkr→RefLvl
7 8 9 10 11							More 1 of 2
MSG					STATUS	3	

802.11n-HT20: Band Edge, Left Side

802.11n-HT20: Band Edge, Right Side





RL				(10		
	RF 50 Ω AC 2.433200000000	0 GHz PNO: Fast G	Trig: Free Run Atten: 20 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	02:56:16 PM Jul 07, 2021 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N N	Peak Search
) dB/div	Ref Offset 0.5 dB Ref 10.00 dBm			Mkr	1 2.433 20 GHz -9.579 dBm	NextPea
•9 0.0				MINIM	1	Next Pk Rig
0.0					29.58 dBm	Next Pk Le
0.0 0.0 0.0	den internetionen and and and	have an and a set of the set of t	water have not a provide the second	Julif ^{er Content}		Marker Del
Res BW	1000 GHz 100 kHz	#VBW	300 kHz		Stop 2.45000 GHz 3.40 ms (1001 pts)	Mkr→C
	100 kHz RC SCL X 1 f 2.4 1 f 2.4	#VBW 433 20 GHz 400 00 GHz 397 94 GHz		Sweep 1	3.40 ms (1001 pts)	
Res BW	100 kHz RC SCL X 1 f 2.4 1 f 2.4	433 20 GHz 400 00 GHz	-9.579 dBm -42.838 dBm		3.40 ms (1001 pts)	Mkr→C Mkr→RefL Moi 1 of

802.11n-HT40: Band Edge, Left Side

802.11n-HT40: Band Edge, Right Side





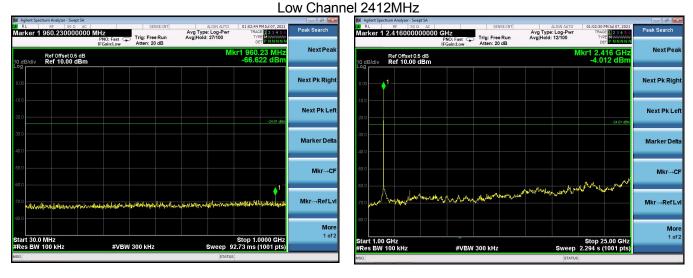
Ref Offset 0.5 dB Ref 10.00 dBm

tart 30.0 MHz Res BW 100 kHz

0 2300

Report No.: BCTC2107148371-1E

CONDUCTED EMISSION MEASUREMENT 802.11b



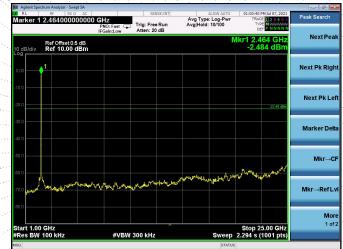
Middle Channel 2437MHz

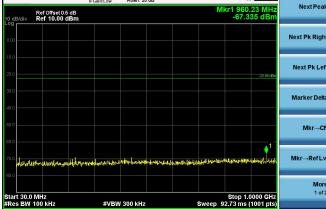


Aug Type: Log-Pwr Avg Hold: 4/100 Trig: Free Run Next Pea 1 2.440 G -2.526 dl Next Pk Righ Next Pk Let Marker Del Mkr→CF Mkr→RefL More 1 of 2 Stop 25.00 GH Sweep 2.294 s (1001 pts #VBW 300 kHz



High Channel 2462MHz

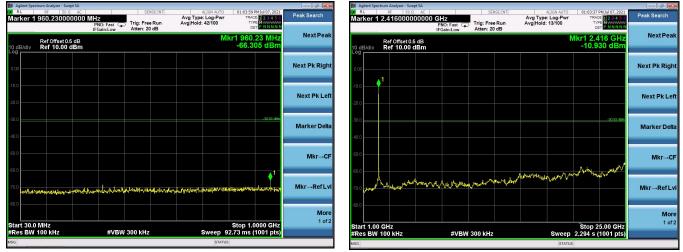






802.11g

Low Channel 2412MHz

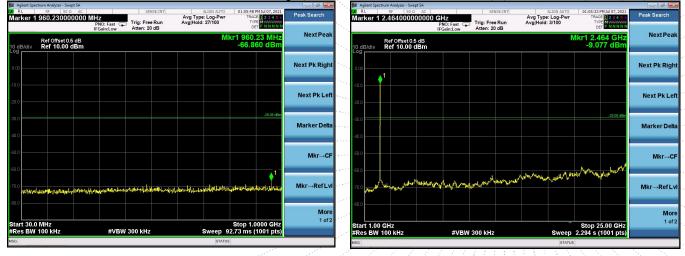




Middle Channel 2437MHz

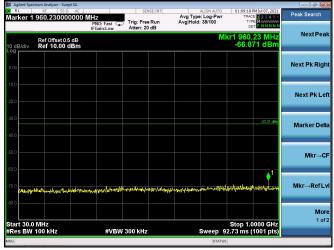


High Channel 2462MHz





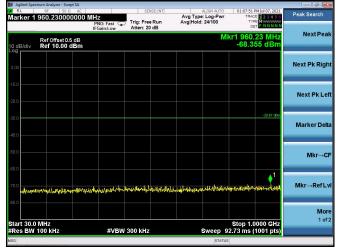
802.11n20



Low Channel 2412MHz



Middle Channel 2437MHz



Fast Trig: Free Run



High Channel 2462MHz



No. : BCTC/RF-EMC-005

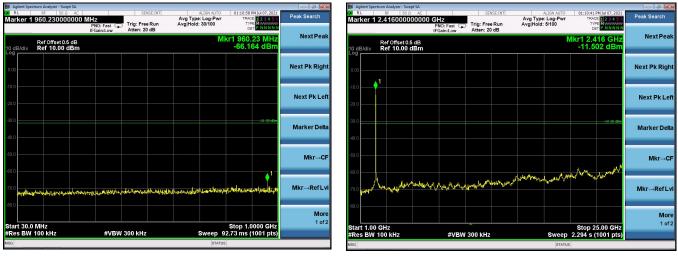
RL RF 50 Ω AC Irker 1 960.230000000 MHz

> Ref Offset 0.5 dB Ref 10.00 dBm

tart 30.0 MHz Res BW 100 kH



802.11n40



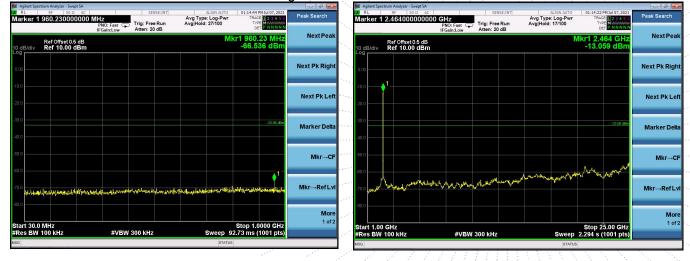
Low Channel 2422MHz

Middle Channel 2437MHz

	ctrum Analyzer - Swept SA					
Marker 1	RF 50 Ω AC 960.230000000	MHz		g Type: Log-Pwr	01:12:23 PM Jul 07, 2021 TRACE 1 2 3 4 5 6	Peak Search
	Ref Offset 0.5 dB	PNO: Fast Trig: Fre IFGain:Low Atten: 20	eRun Avı 0 dB	g Hold: 23/100	TYPE MWWWW DET PNNNNN kr1 960.23 MHz	NextPeak
10 dB/div	Ref 10.00 dBm				-66.448 dBm	
0.00						Next Pk Right
-10.0						Next Pk Lef
-30.0					-30.34 dBn	Marker Delta
-50.0						Mkr→Cf
-60.0 -70.0	yahaman hasan dalaha dalaha	shotstlynonerstratest	Historinstant	nnnahasandermaphe	normaticipation of the states	Mkr→RefLv
-so0					Stop 1.0000 GHz	More 1 of 2
#Res BW	100 kHz	#VBW 300 kHz		Sweep 9	2.73 ms (1001 pts)	
mola				STATUS		



High Channel 2452MHz



No. : BCTC/RF-EMC-005



13. DUTY CYCLE OF TEST SIGNAL

13.1 Standard requirement

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle.

All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percentage.

13.2 Formula

Duty Cycle = Ton / (Ton+Toff)

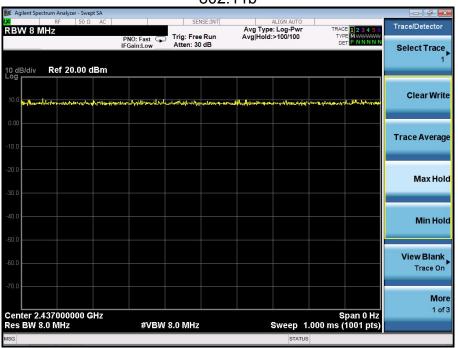
13.3 Test procedure

- 1.Set span = Zero
- 2. RBW = 8MHz
- 3. VBW = 8MHz,
- 4. Detector = Peak

13.4 Test Result

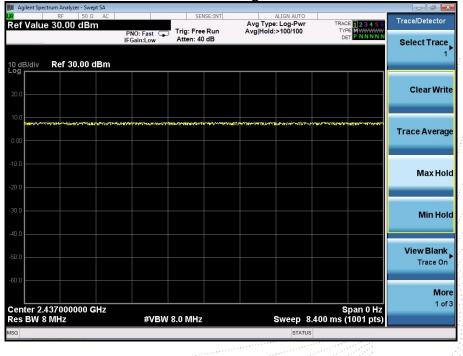
	Duty Cycle	Duty Fator (dB)
802.11b	1	Ô Ó
802.11g	1	0
802.11n(HT20)	1	0
802.11n(HT40)	1	0





802.11b

802.11g

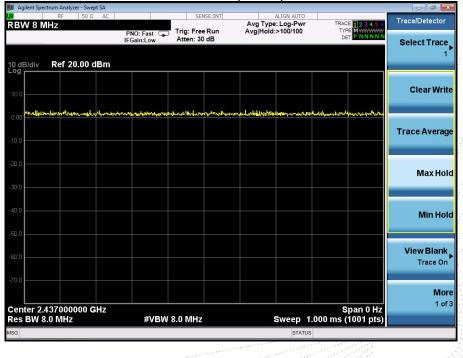




Agilent Spectrum Analyzer - Swept SA RF 50 Ω A		SENSE:INT	ALIGN AUTO		Trace/Detector
3W 8 MHz	PNO: Fast 🕞 IFGain:Low	Trig: Free Run Atten: 30 dB	Avg Type: Log-Pwr Avg Hold:>100/100		Select Trace
dB/div Ref 20.00 dB	m				1
g					Clear Writ
mallplinchingertrancinglereter	^અ ત્વેદ્વ અંગ અને જે અને જે અને અને અને અને અને અને અને અને અને અન	internation of the second s	man harridaliya hika ingen menantukki hari	Ronard With Agreen in Long Har me	
.0					Trace Averaç
0					Max Ho
.0					Max Ho
0					Min Ho
0					
.0					View Blank Trace Or
.0					Мо
enter 2.437000000 GHz s BW 8.0 MHz		8.0 MHz	Sweep 1.00	Span 0 Hz 00 ms (1001 pts)	1 o
	#*E34	0.010112	STATUS	o ilia (1001 pta)	

802.11n(HT20)

802.11n(HT40)





14. ANTENNA REQUIREMENT

14.1 Limit

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.

14.1 Test Result

The EUT antenna is FPCB antenna, fulfill the requirement of this section.



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