Pulse On Time (T _{on})	Pulse Period (T _{on} +T _{oFF})	Duty Cycle (%)	Duty Cycle Correction
(µs)	(µs)		Factor (dB)
248.536	357.188	69.581	1.6

Spect	um									B
Ref Le	vel	55.00 dBr	n Offset 2	5.80 dB 🖷	RBW 28 M	Hz				`
Att		40 d	B 🖶 SWT	490 µs	VBW 28 M	Hz				
SGL										
1Pk Cli	W									
50 dBm-	_						M1[1]			14.71 dB
			I I							22.029 µ
40 dBm	+		+				D2[1]			3.52 0
			I I				1	1	1	210.000
30 dBm-	-						-			-
20 dBm		ر میلی	man	and dist.	an an and	1.03			a loud a the	4.1.1.1
20 0011	<i>.</i>	14 4 B 4	adda Albaa	sheat he	be Marth 1. H	The state			en un rand	and the sea
10 dBm·	-						_	_		
								1.1		
0 d3m-	+		<u> </u>				of sub-strain	dur mer un		-
10 db-										
-10 GBM	-									
-20 dBm	_									
-30 dBm	+		+							
-40 dBm	+									
CF 5.26	6 GHz				691	pts				49.0 µs/
Marker										
Type	Ref	Trc	X-value		Y-value	1	unction	Fu	unction Resu	lt
M1		1	22.02	9 µs	14.71 dB	m				
D2	M1	1	248.53	16 µs	3.52 0	IB .				
03	ml	1	357.18	io ha i	2.12 0	1D				
		Л					Ready		4/0	240,000
1909763										
ate: 24.F	EB.20	20 07:54:	37							



Pulse On Time (Τ _{οΝ})	Pulse Period (T _{on} +T _{oFF})	Duty Cycle (%)	Duty Cycle Correction
(μs)	(µs)		Factor (dB)
180.0	288.696	62.349	2.1

Spectrum			Ē
Ref Level 55.00 dBm Offse	t 26.80 dB 😑 RBW 28 M	1Hz	
Att 40 d8 = SWT	350 µs VBW 28 M	AH2	
SGL			
1Pk Clrw			
50 d8m		M1[1]	15.18 dBm
			49.783 µs
40 dBm		D2[1]	4.53 dB
			180.000 µs
30 dBm-			
20 d9m	a data data battar		
20 deni	a haadan handah	Menan Armade Mart	D3
10 dBm			Ĩ
a hard of			Lill a liter market street
101-23-142- LAKAN	+	647,440	ender and the second
-10 dBm-			
-20 d8m			
20 0011			
-30 dBm			
-40 dBm			
CF 5.26 GHz	691	pts	35.0 µs/
Marker			
Type Ref Trc X-val	ue Y-value	Function	Function Result
M1 1 4	9.783 µs 15.18 d	im	
D2 M1 1	180.0 µs 4.53	dB	
D3 M1 1 28	8.696 µs 0.64	dB	
		Ready	4/0
			100
11909763			
Date: 24.FEB.2020 08:00:00			



Pulse On Time (Τ _{οΝ})	Pulse Period (T _{ON} +T _{OFF})	Duty Cycle (%)	Duty Cycle Correction
(μs)	(µs)		Factor (dB)
163.478	245.435	66.607	1.8





Pulse On Time (Τ _{οΝ})	Pulse Period (T _{ON} +T _{OFF})	Duty Cycle (%)	Duty Cycle Correction
(μs)	(µs)		Factor (dB)
680.87	818.55	83.18	0.8

Spectrum	- J						Q	₫
Ref Level	55.00 dBm	Offset	26.80 dB (RBW 28 MH	z		,	_
🛛 Att	40 d8	e swt	1 ms	VBW 28 MH	z			
SGL								_
1Pk Clrw								
50 dBm					M1[1]		17.06 dB	lm
					00[1]		125.51	μs
40 dBm		<u> </u>		+ +	02[1]		600.07	05
					1	1		"
30 dBm								-
20 dBm-							12 12	_
20 00.00	Without	- Carlow Carlow	and the second	deserve also	man and a second	- Ar Alexandra (Ar		m
10 dBm-	-	<u> </u>						_
والاستعادة والم	J						and barrens	
0 dam	*						Shirt Har Prov	-
-10 d8m								_
-10 00111								
-20 dBm-		<u> </u>		+ +		_		-
				1 I				
-30 dBm-								-
-40 dam								
-40 00111								
CF 5.26 GH	z			691 p	ts		100.0 µs,	4
Marker Tuno Det	Teol	V-unlui		Y-uslue.	Eurotian	L For	action Docult	
M1	1	12	5.51 us	17.06 dBm	Function	Fu	iction result	-
D2 M	1 1	680	0.87 µs	1.54 dB				
D3 M	1 1	818	8.55 µs	0.48 dB				
	Y				Ready		4/0 24002000	
								13
11909763								
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Pulse On Time (Τ _{οΝ})	Pulse Period (T _{on} +T _{oFF})	Duty Cycle (%)	Duty Cycle Correction
(μs)	(µs)		Factor (dB)
255.362	436.232	58.538	2.3

Spectrum	٦									q	Ð
Ref Level 55	.00 dBm	Offset	26.80 dB	RBW 281	٩Hz					`	-
Att	40 d8	swt	600 µs	VBW 281	MHz						
SGL											
91Pk Clrw											
S0.d8m						M	[1]			15.98 dB	m
50 GDIII										49.855	μ
40 dBm					-	D2	[1]			2.40 (de
									1	255.362	μ
30 dBm					+				+		-
20 dBm	spileten a	the should app	-11-1-1100	an all and a second	K -	-		-	- Santa	Allentering	14
10 dbm									I		
TO OBIII					Π.						
6 the second					1	under	elenal and	and some	AN .	_	_
-10 dBm					+				+		-
-20 dBm					\vdash			-			-
andb arc											
-30 08/11					Г						
-40 d8m					1			_		_	_
				601	L.					60.0.00	-
CF 5.26 GHZ				691	t pts					60.0 µs,	<u>/</u>
Tyne Ref 1	Tec	X-value		Y-value	1	Eunct	ion	Eu	nction Res	ult	7
M1	1	49.	855 us	15.98 d	Bm	rance	1011	Fu	incool Res	unt	-
D2 M1	1	255.	362 µs	2.40	dB						-
D3 M1	1	436.	232 µs	1.48	dB						
1					1		and a l		449	24.02.2028	m
						1					
11909763											
ate: 24 FEB 2020	08:29:5	R									
a b-b-2020	*******	*									



Pulse On Time (Τ _{οΝ})	Pulse Period (Τ _{ΟΝ} +Τ _{ΟFF})	Duty Cycle (%)	Duty Cycle Correction
(μs)	(μs)		Factor (dB)
203.768	279.275	72.963	1.4

Spectrum									₫
Ref Level	55.00 dBm	Offset	26.80 dB 😑	RBW 28 M	Hz				
Att	40 dB	SWT	400 µs	VBW 28 M	Hz				
SGL									
1Pk Clrw									
S0 dBm					M	1[1]			15.45 dBm
50 GDIII									37.681 µs
40 dBm					D	2[1]			0.12 dB
									203.768 µs
30 dBm									
20 dBm	Million	hala/444/4	Hou hadd	Market	Withhat	2	D	and the work	Malignan
to day						t i	1 1	1	[••• ·
10 dBm-									
10 March 10						La philader Mil	Jone March 1		
-10 dBm									
-20 dBm									
-30 dBm-									
dem									
CF 5.26 GHz				691	pts				40.0 µs/
Marker	- 1				1 -		-		
Type Ref	Trc	X-value	601 us	Y-value	Func	tion	Fun	ction Result	<u> </u>
D2 M1	1	203	748 us	15.95 08	m iB				
D3 M1	1	203.	275 us	0.12 0	iB				
	Y				_			4.40	
L						CONST.		eyes	
11000782									
11000100									
Date: 24.FEB.20	20 08:31:5	6							



Pulse On Time (Τ _{οΝ})	Pulse Period (T _{on} +T _{off})	Duty Cycle (%)	Duty Cycle Correction
(μs)	(µs)		Factor (dB)
152.029	233.623	65.075	1.9

Spectrum					E
Ref Level 55.00 de	3m Offset 26.80 dB	RBW 28 MHz			
Att 40	d8 🖶 SWT 300 µs	VBW 28 MHz			
SGL					
1Pk Clrw					
S0.dBm			M1[1]		15.46 dBm
00 0011					31.594 µs
40 dBm			D2[1]		4.40 dB
				1 1	152.029 µs
30 dBm					
			02		
20 dBm	an and the state of the second	May Million	1944 WY		03
10 dbm					f
10 0800					
O'USHILL W			ليرهموا	الصرفيك بمنه ليتأخروه	4.14
-10 dBm					_
-20 dBm					
on dam					
-30 GBm					
-40 d8m					
05 5 06 045		601 mtc			20.0.05/
Nasker		041 brs			30.0 µ\$7
Tune Ref Tro	V-value	Y-yaluo	Eunction	Eunction	Pocult
M1 1	31.594 us	15.46 dBm	Function	Function	Nesun
D2 M1 1	152.029 µs	4.40 dB			
D3 M1 1	233.623 µs	0.39 dB			
Υ Υ			Develop	449	24.02.2126
			j.		
11909763					
Date: 24 FEB 2020, 08:33	14				
Dare. 24.7 CO.2020 00.00					



Pulse On Time (T _{on})	Pulse Period (T _{on} +T _{off})	e Period (T _{ON} +T _{OFF})	
(µs)	(µs)	(μs) Duty Cycle (%)	
116.377	215.797	53.929	2.7

Spectrum					₫
Ref Level 55.00 de	m Offset 26.80 dB	RBW 28 MHz			
Att 40	d8 🖶 SWT 300 µs	VBW 28 MHz			
SGL					
1Pk Clrw					
50 dBm			M1[1]		14.89 dBm
50 dBm					32.464 µs
40 dBm			D2[1]		2.07 dB
TO GOIN					116.377 µs
30 dBm-		+			
20 dBm 11	A way the part of the parties	Margaret .		02	Bud and Hall
	I al add to the			2	diama an
10 dBm-					
4 stable desce		1.1	alout a day	RINA A REAL PROPERTY AND	
ip/dawi-e			and de la de la	A Longerthe Party	
10 dBm					
-10 0500					
-20 dBm					
-30 dBm					
-40 dBm	+	+ +			
CF 5.26 GHz		691 pts			30.0 us/
Marker					
Type Ref Trc	X-value	Y-value	Function	Function Res	ult l
M1 1	32.464 µs	14.89 d8m			
D2 M1 1	116.377 µs	2.07 dB			
D3 M1 1	215.797 µs	0.22 dB			
n n			Ready	449	24.02.2026
			j.		
11909763					
Date: 24 EED 2020, 09-26	-99				
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Pulse On Time (Τ _{οΝ})	Pulse Period (T _{on} +T _{off})	Duty Cycle (%)	Duty Cycle Correction
(μs)	(µs)		Factor (dB)
108.043	179.493	60.193	2.2

Spectrum	The second secon
Ref Level 55.00 dBm Offset 26.80 dB RBW 28 MHz	-
Att 40 dB e SWT 250 µs VBW 28 MHz	
SGL	
e 1Pk Clrw	٦
50 dBm M1[1] 15.11 dB	3m
26.304	μs
40 dBm D2[1] 0.33	dB
108.043	μs
30 dBm	-
20 dBm	44
10 dBm	
a particular the strange of the second s	_
called a state of the second	
-10 dBm	_
-20 dBm	-
-30 d8m	-
-40 d8m	
CF 5.26 GHz 691 pts 25.0 µs	:/
Marker	
Type Ref Trc X-value Y-value Function Function Result	
M1 1 26.304 µs 15.11 dBm	_
D2 M1 1 108.043 µs 0.33 dB	-
U3 M1 1 179.493 µ\$ 0.47 dB	
Ready AMA 24.82.2029 estimate	1
11909763	



Pulse On Time (Τ _{οΝ})	Pulse Period (T _{ON} +T _{OFF})	Period (T _{ON} +T _{OFF})	
(μs)	(µs)	(μs) Duty Cycle (%)	
187.174	314.275	59.557	2.3

Spectrum					Ē
Ref Level 55.00 dBn	Offset 26.80 dB	RBW 28 MHz			
Att 40 d8	8 🖶 SWT 350 µs	VBW 28 MHz			
SGL					
1Pk Clrw					
50 dBm-			M1[1]		13.55 dBm
			D2[1]		0.100 µS
40 dBm		+ +	02[1]		187.174 us
30 dBm-					
20.dBm	بعرابية المرابع	La La La La	.02		an dela
Kuth March Marson	and all all and a second s	anno la annarla	12		3 ray M
10 dBm					
d d8m			- bound	بمحمها فموسية الطبيط الدقاء	Andreal
-10 dBm-		+			_
-20 dBm-					
-30 d8m					
-40 dBm-					_
CF 5.27 GHz		691 pts			35.0 µs/
Marker					
Type Ref Trc	X-value	Y-value	Function	Function R	esult
M1 1	8.188 µs	13.55 dBm			
D2 M1 1	187.174 µs	1.57 dB			
03 M1 1	314.275 µs	-0.49 dB			
			Peady	440	24022026
11909763					
Date: 24.FEB.2020 09:03:3	19				



Pulse On Time (Τ _{οΝ})	Pulse Period (T _{ON} +T _{OFF})	Duty Cycle (%)	Duty Cycle Correction
(μs)	(µs)		Factor (dB)
139.493	256.957	54.287	2.7

Spectrum					Ē
Ref Level 55.00 d	Bm Offset 26.80 d	8 🖷 RBW 28 MHz			
Att 40	dB 🖶 SWT 350 µ	s VBW 28 MHz			
SGL					
1Pk Clrw					
S0.d8m			M1[1]		13.16 dBm
00 0011					27.464 µs
40 dBm			D2[1]		1.30 dB
			1	1 1	139.493 hz
30 dBm					
on dam					
20 dBm M1	an all share water a daned	ray walk?		03	al alproved
10 dBm	Alman to Add	. udda.l.bu.y		4	a comunitario
or 1.					
lo/bşitri- _{byl}		440	wind the state of the second secon	in the following the	-
-10 dBm-					
-20 dBm					
20 0011					
-30 dBm					
-40 dBm					
CF 5.27 GHz		691 pts			35.0 µs/
Marker					
Type Ref Trc	X-value	Y-value	Function	Function Re:	sult
M1 1	27.464 µs	13.16 dBm			
D2 M1 1	139.493 µs	1.30 dB			
03 M1 1	250.957 µs	-0.14 dB			
			Ready	4/0	
11909763					
Date: 24.FEB.2020 09:0	4:36				



Pulse On Time (Τ _{οΝ})	Pulse Period (T _{ON} +T _{OFF})		Duty Cycle Correction
(μs)	(µs) Duty Cycle (%)		Factor (dB)
112.101	219.928	50.972	2.9

Spectrum					⊴∎
Ref Level 55.00 dBr	m Offset 26.80 dB	BW 28 MHz			
● Att 40 d	8 e SWT 350 µs	VBW 28 MHz			
SGL					
1Pk Clrw					
50 dBm			M1[1]		13.77 dBm
50 GBIII					67.536 µs
40 dBm			D2[1]		0.86 dB
					112.101 µs
30 dBm					
20 dBm	B. J. Market	1		02.6	and a such to
10.40	torn Mondal Malan	Wallmounds.		partie	Antoniana
10 d8m					
16 Barber muradita			فعأش جنيعة القافريجقيع	المق المتعدية بمريضا والم	
-10 dBm					
-20 dBm					
an da u					
-30 dBm					
-40 d8m					
CF 5.27 GHz		691 pts			35.0 µs/
Marker			I		
Type Ref Trc	X-value	Y-value	Function	Function Res	Fult
D2 M1 1	112 101 US	13.77 GBM			
D3 M1 1	219.928 µs	0.03 dB			
Y	220/960 pp	5.00 00		440	24022024
			, search		
11000703					
Date: 24.FEB.2020 09:05:	26				



Pulse On Time (Τ _{οΝ})	me (T _{ON}) Pulse Period (T _{ON} +T _{OFF}) Duty Cycle (%)		Duty Cycle Correction
(μs)	(μs)		Factor (dB)
99.478	209.159	47.561	3.2

Spect	rum									E
Ref L	evel	55.00 dBr	m Offset	26.80 dB 🗧	RBW 28 M	Ηz				`
🛛 Att		40 d	8 🖷 SWT	460 µs	VBW 28 M	Ηz				
SGL										
●1Pk Cl	rw									
50 dBm	_					M	1[1]			13.43 dB
										138.449 µ
40 dBm	+					D	2[1]			00.470
							1	1	1	1
30 dBm	-									
20 dBm										
Inolu	al L		N N	1 way all	Lample	R2		D3,	Autor	Hundry
10 dBm	<u> </u>			1.11		*		f		
	Ц.	. ا				Lordales	a lucia	a him and		
0 d8m-	-	- Altern	- tertarite of the		<u> </u>	office the	ad the second	he hard the		
-10 dBr										
-10 000	' T									
-20 dBn	+									
-30 dBn	`+									
-40 day										
-40 001	<u> </u>									
CF 5.2	7 GHz				691	ots				46.0 µs/
Marker	Dof	Teo	V-ualue		V.ualue	- Euro	tion	5.	nation Bocui	•
M1	Ref	1	138.	449 LIS	13.43 dBr	n Func	uon	FU	nction Resu	it.
D2	M1	1	99.	478 µs	0.51 d	В				
D3	M1	1	209.	159 µs	-0.22 d	В				
		Y					a sila		449	24.02.2028
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Pulse On Time (Τ _{οΝ})	Pulse Period (T _{on} +T _{oFF})	Duty Cycle (%)	Duty Cycle Correction	
(μs)	(µs)		Factor (dB)	
196.73	286.73	68.61	1.6	





Pulse On Time (Τ _{οΝ})	Pulse On Time (T _{ON}) Pulse Period (T _{ON} +T _{OFF})		Duty Cycle Correction	
(μs)	(μs) (μs)		Factor (dB)	
143.261	212.826	67.314	1.7	

Spectru	m								∎
RefLev	el 55.00 de	m Offset	26.80 dB 🖷	RBW 28 N	Hz				
Att	40	d8 😐 SWT	350 µs	VBW 28 N	Hz				
SGL									
1Pk Clrw									
50 d8m					M	1[1]			13.95 dBm
50 GDIII									58.406 µs
40 dBm-					D	2[1]			1.81 dB
									t43.261 μs
30 dBm-	+								
20 dBm-	M1	And it.	dantara	dia to a	Author 02		_	BLA IN	atour
10 dBm		man hall	awards	(Antonand	10.00		DPM	- wardle	ann lante
TO OBIII-							1. Ĭ		
12 00 marts	hluible				4	<u>م را الارام</u>	ليعاوم الإطلاعية		
-10 dBm-						<u> </u>			
-20 dBm-						-			
on dam									
-30 GBm									
-40 dBm-						L			
05 5 03 0									05.0
CF 5.27 C	afiz			041	pts				33.0 ps/
Tune	of Tec	V-value		Y-ualuo	Euro	tion	Euro	tion Pocult	
M1	1	58.	406 us	13.95 d8	m	CIGIT	Fun	cion Result	
D2	M1 1	143.	261 µs	1.81	jB.				
D3	M1 1	212.	826 µs	-0.23	đB				
	N I					and a	(11111)	449	4022026
								-	135050 ///
11909763									
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Pulse On Time (T _{ON}) Pulse Period (T _{ON} +T _{OFF}) (μs) (μs)		Duty Cycle (%)	Duty Cycle Correction Factor (dB)
119.42	202.174	59.068	2.3

Spectrum						⊲∎
Ref Level 55.00 dBr	m Offset 26.80 dB	RBW 28 MHz				
● Att 40 d	8 🖶 SWT 350 µs	VBW 28 MHz				
SGL						
1Pk Clrw						
50 dBm-		+	M1[1]		13.8	9 dBm
			D2[1]		44.2	203 µs
40 dBm		+ + +	02[1]		119.4	120 µs
20.40-					1	
30 dBm						
20 dBm						
Ture V	4. Article And	Whend 2		13 mar pril	A schold a grad a grad a	phillips .
10 dBm				- ·		
port we have		and a lot	RIAL TOURS AND	-		
O CBA						
-10 dBm						
-20 dBm-		+ +		-		
co. dau						
-30 08/11						
-40 dBm		+				
CE 5 27 GHz		691 nts			35.0	1.1157
Marker		091 pts			55.	1997
Type Ref Trc	X-value	Y-value	Function	Fund	tion Result	- 1
M1 1	44.203 µs	13.89 dBm				
D2 M1 1	119.42 µs	0.68 dB				
D3 M1 1	202.174 µs	0.36 dB				
			Ready	(IIIIII)	4/0	×**
			-			/10
11909763						
Date: 24.FEB.2020 08:54:	03					



Pulse On Time (Τ _{οΝ})	Pulse Period (T _{ON} +T _{OFF})	Duty Cycle (%)	Duty Cycle Correction
(μs)	(µs)		Factor (dB)
103.478	175.797	58.862	2.3

Spectr	um	٦									Í	
Ref Le	vel 5	5.00 dBm	Offset	26.80 dB	RBW 2	8 MHz						-
Att		40 d8	■ SWT	250 µs	VBW 2	8 MHz						
SGL												
1Pk Clr	w											
S0 dBm-							M	1[1]			12.99 d	Bm
50 GDIII											36.594	ŀμs
40 dBm-	_					\rightarrow	D	2[1]			1.29	dB
										1	103.478	ιµs
30 dBm-	+					+					+	-
20 dBm-	+	M1	JUL N	and the			. 62			0.0	. dd t	1
10 dBm		herent	Mal how	Local Astron	manul	111	44			and and		5
TO OBUI-												
N.com	414.10	1					144	يتتماس أط	المونزار تهييا بالمار	hingh		_
and.	11	-					- T	A				
-10 dBm	+					+		<u> </u>				-
-20 dBm	+				-	+		-		-	-	-
20 dam												
-30 GBm												
-40 dBm	_				_			L	_		_	_
05.5.07	011-				,	01					05.0	- /
CF 5.27	GHZ				6	at bta					25.0 µ	5/
Type	Ref	Trc	X-value		Y-yalu	e	Fund	tion	Fu	nction Res	ult	
M1	1.001	1	36.	594 µs	12.99	d8m			14			-
D2	M1	1	103.478 µs		1.3	29 dB						
D3	M1	1	175.	797 µs	-0.3	26 dB						
						-	_	and a		449	24.02.2028	-
L							,					
11909763												
Date: 24 Fi	B 202	0.08564	4									
			-									



Pulse On Time (Τ _{οΝ})	Pulse Period (T _{on} +T _{oFF})	Duty Cycle (%)	Duty Cycle Correction	
(μs)	(µs)		Factor (dB)	
182.67	356.62	51.223	2.9	

Spectrum 🐐					₫
Ref Level 55.00 d	Bm Offset 26.80 d8	6 🖷 RBW 28 MHz			
Att 40	d8 😑 SWT 700 µs	VBW 28 MHz			
SGL					
1Pk Clrw					
S0.d8m			M1[1]		12.68 dBm
30 0011					286.57 µs
40 dBm			D2[1]		0.44 dB
			1	1 1	182.67 µs
30 dBm					
20 dBm-		611	1	~	
mannerplanetude	4	pontalion	man	\$	1 and the
TO OBIII					
0 d8m	have had a	hun		hill here and a group of the second se	de la
-10 dBm					_
-20 dBm					
angle and					
-30 08m					
-40 d8m					
05.5.00.001-		(0)			70.0
CF 5.29 GHZ		691 pts			70.0 µs7
	Y-ualua	Y-uslue	Eurotian	Eurotion Br	eult I
M1 1	286.57 us	12.68 dBm	Function	Punction Re	suit
D2 M1 1	182.67 µs	0.44 dB			
D3 M1 1	356.62 µs	-0.12 dB			
N I			Den aufor	440	24.02.2020
11909763					
Date: 24 FEB 2020 09 1	6.45				
Jane: 24.1 LO.2020 00.1					



Pulse On Time (T _{on})	Pulse On Time (T _{ON}) Pulse Period (T _{ON} +T _{OFF})		Duty Cycle Correction	
(µs)	(μs) (μs)		Factor (dB)	
132.96	261.26	50.892	2.9	

Spectr	um	Γ										Ē
Ref Le	vel 5	5.00 dBm	Offset	26.80 dB	RBW	28 MHz						<u> </u>
Att		40 dB	SWT	700 µs	VBW	28 MHz						
SGL												
●1Pk Clr	w											
S0 d8m-							M	1[1]			12.21 (18m
30 0011											336.2	8 µs
40 dBm-	-				-	\rightarrow	D	2[1]			0.23	3 dB
								1	1		132.9	o µs
30 dBm-	+				+				+		+	-
20 dBm-					+	M1 .		~~~			_	_
10 dame	MM	np-acilephi	where			X-M	Whenthe	manut		03	h proprie	ANN N
TO OPIN-												
obam			W	of Although the	YWY	No.		LI.	and the state of the	south N	-	_
-10 dBm	+			-	+	+				-	+	-
-20 dBm	-											_
-so dam												
-30 0600												
-40 dBm	+					_						_
CE 5 26	CHA					601 mt					70.0	r /
Marker	0/12					091 pt	,				70.01	~
Tyne	Ref	Trc	X-valu	•	Y-ya	lue	Euno	tion	Fun	ction Resu	ult	
M1		1	33	5.28 µs	12.	21 dBm			1 417			-
D2	M1	1	13	2.96 µs		0.23 dB						
D3	M1	1	26	1.26 µs	-	0.58 dB						
		(e a div	(111111)	449	24.02.2026	
						-	_			_		
11909763												
Date: 24 Fi	EB.202	0 09:17:3	8									
			-									



Pulse On Time (Τ _{οΝ})	Pulse Period (T _{on} +T _{oFF})	Duty Cycle (%)	Duty Cycle Correction
(μs)	(µs)		Factor (dB)
75.319	202.13	37.263	4.3

Spectrum					∎
Ref Level 55.00 dBm	Offset 26.80 dB	RBW 28 MHz			
Att 40 d8	s 🖶 SWT 500 µs	VBW 28 MHz			
SGL	-				
1Pk Clrw					
S0 dBm			M1[1]		10.75 dBm
					195.696 µs
40 dBm			D2[1]		0.27 dB
			1	1 1	73.319 µs
30 dBm-					
20. dBm					
20 dBm	N	0 III al. I.		08.14	dial in a
10 den 40 411		M-MANNAM	M <u></u>	- fri	- ABULAN SULAN
	and the second s		alat days		
0 d8m	mouto sectiv relation	0	and the second	norwalary	- Wells
-10 dBm-					
-20 dBm					
-30 dBm					
-40 dBm					
CF 5.29 GHz	•	691 pts			50.0 µs/
Marker					
Type Ref Trc	X-value	Y-value	Function	Function	Result
M1 1	195.696 µs	10.75 dBm			
D2 M1 1	75.319 µs	0.27 dB			
US M1 1	202.13 µs	1.37 dB			
			Ready	4/0	24.022.026
11909763					
Date: 24.FEB.2020 09:19:3	0				



Pulse On Time (T _{on})	Pulse Period (Τ _{ΟΝ} +Τ _{ΟFF})	Duty Cycle (%)	Duty Cycle Correction
(µs)	(μs)		Factor (dB)
63.725	135.899	46.891	3.3





Pulse On Time (Τ _{οΝ})	Pulse Period (Τ _{ΟΝ} +Τ _{ΟFF})	Duty Cycle (%)	Duty Cycle Correction
(μs)	(μs)		Factor (dB)
54.783	164.928	33.216	4.8

Spectrum				E
Ref Level 55.00 dBm Offs	et 28.60 dß 😑 RBW 28 MH	Z		<u> </u>
Att 40 dB 🖶 SWT	400 µs VBW 28 MH	z		
SGL				
1Pk Clrw				
50 dBm		D3[1]		0.45 dB
30 3011				164.928 µs
40 dBm		M1[1]		9.34 dBm
		1		52.464 µ
30 dBm				
20 dBm				
10 dBm	2	Buckling	Lust	Manderal
hundralle	a market the second state		بالإربان بالمسال	
0 dem	keen waarda waa ka k	w// ``	included by the second of the	
-10 dBm				
00 dbm				
-20 GBIII				
-30 dBm				
-40 dBm				
CF 5.29 GHz	691 p	ts		40.0 µs/
Marker				
Type Ref Trc X-va	lue Y-value	Function	Function Result	
M1 1	52.464 µs 9.34 dBm			
D2 M1 1	54.783 µs 0.85 dB			
D3 M1 1 1	64.928 µs 0.45 dB			
Y		Ready	440	4.02.2028
1909763				



5.2.4. Transmitter Maximum Conducted Output Power

Test Summary:

Test Engineer:	Krume Ivanov & Sercan Usta	Test Dates:	15 February 2020 to 17 February 2020
Test Sample Serial Number:	192.168.0.65		
Test Site Identification	SR 9		

FCC Reference:	Part 15.407(a)(2)
Test Method Used:	KDB 789033 D02 Section II.E.2.d) KDB 662911 D01 Section E) 1)

Environmental Conditions:

Temperature (°C):	20 to 27
Relative Humidity (%):	24 to 38

Notes:

- For conducted power tests where the duty cycle is <98%, the measurements were performed in accordance with FCC KDB 789033 II.E.2.d) Method SA-2. The signal analyser's integration function was used to integrate across the 99% emission bandwidth. The resolution bandwidth was set to 1 MHz and video bandwidth 3 MHz. An RMS detector was used and sweep time was set to auto and 300 traces performed. The span was set to encompass the entire 99% occupied bandwidth. The channel power results are recorded in the tables below.
- The RF port on the EUT was connected to the spectrum analyser using suitable attenuation and RF cable. The measured values takes into consideration the external attenuation correction factors which is compensated by adding reference level offset of 26.80 dB@ 5.25-5.35 GHz to each of the conducted plots.
- 3. For MIMO, power was measured across relevant ports and then combined using the measure-and-sum technique stated in FCC KDB 662911 D01 Section E)1).
- 4. In accordance with 15.407(a)(2) maximum conducted output power shall not exceed shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth (MHz) .
- 5. In accordance with KDB 789033 D02 Section II.E.2.d) (x) alternative method, power is computed by integrating the spectrum across the entire 99% occupied bandwidth.
- 6. Relevant 99% occupied bandwidth results for all tested modes are achieved on the company server and available for inspection if required.
- For all data rates the EUT was transmitting at <98% duty cycle, the calculated duty cycle in section 5.2.3 was added to the measured power in order to compute the average power during the actual transmission time.
- 8. The EUT antennas have a directional gain of > 6 dBi.
- In accordance with 15.407(a)(2), transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power limits shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- 10. In accordance with FCC KDB 662911 F)2)f)(i), the array gain for 802.11 devices with NANT ≤4 is 0 dB. No array gain has been to the measurements in this section.
- 11. Therefore for 9 dBi Antenna, reduced maximum conducted output power limits are as follows:
 - o the limit of 250 mW ≈ 24 dB has been reduced by 3 dB to 21 dBm

or

- the limit of 11 dBm + 10 log B has been reduced by 3 dB to 8 dBm + 10 log B
- 12. Therefore for 9 dBi Antenna the lesser of above limits has been applied.



Transmitter Maximum Conducted Output Power (continued)

Test setup:





Transmitter Maximum Conducted Output Power (continued) Results: 802.11a / 20 MHz / 48Mbit / SISO / Port 1 / PWL 17 / 9 dBi Antenna

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	12.1	1.8	13.9	21	7.1	Complied
Middle	12.0	1.8	13.8	21	7.2	Complied
Top-1	11.9	1.8	13.7	21	7.3	Complied

De Facto EIRP Limit Comparison

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	13.9	9	22.9	30	7.1	Complied
Middle	13.8	9	22.8	30	7.2	Complied
Top-1	13.7	9	22.7	30	7.3	Complied

Transmitter Maximum Conducted Output Power (continued) Results: 802.11a / 20 MHz / 48Mbit / SISO / Port 1 / PWL 17 / 9 dBi Antenna Port 1



Bottom Channel



Top-1 Channel

Result: Pass



Middle Channel



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11a / 20 MHz / 48Mbit / SISO / Port 1 / PWL 12 / 9 dBi Antenna</u>

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Тор	5.5	1.8	7.3	21	13.7	Complied

De Facto EIRP Limit Comparison

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Тор	7.3	9	16.3	30	13.7	Complied



Transmitter Maximum Conducted Output Power (continued) Results: 802.11a / 20 MHz / 48Mbit / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1



Top Channel



Transmitter Maximum Conducted Output Power (continued) Results: 802.11a / 20 MHz / 54Mbit / SISO / Port 1 / PWL 17 / 9 dBi Antenna

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	11.9	1.8	13.7	21	7.3	Complied
Middle	11.7	1.8	13.5	21	7.5	Complied
Top-1	11.7	1.8	13.5	21	7.5	Complied

De Facto EIRP Limit Comparison

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	13.7	9	22.7	30	7.3	Complied
Middle	13.5	9	22.5	30	7.5	Complied
Top-1	13.5	9	22.5	30	7.5	Complied

Transmitter Maximum Conducted Output Power (continued) Results: 802.11a / 20 MHz / 54Mbit / SISO / Port 1 / PWL 17 / 9 dBi Antenna Port 1



Bottom Channel



Top-1 Channel

Result: Pass



Middle Channel



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11a / 20 MHz / 54Mbit / SISO / Port 1 / PWL 12 / 9 dBi Antenna</u>

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Тор	5.1	1.8	6.9	21	14.1	Complied

De Facto EIRP Limit Comparison

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Тор	6.9	9	15.9	30	14.1	Complied



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11a / 20 MHz / 54Mbit / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1</u>



Top Channel



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11n / HT20 / MCS2 / SISO / Port 1 / PWL 17 / 9 dBi Antenna</u>

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	13.3	1.0	14.3	21	6.7	Complied
Middle	13.1	1.0	14.1	21	6.9	Complied
Top-1	13.0	1.0	14.0	21	7.0	Complied

De Facto EIRP Limit Comparison

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	14.3	9	23.3	30	6.7	Complied
Middle	14.1	9	23.1	30	6.9	Complied
Top-1	14.0	9	23.0	30	7.0	Complied

Transmitter Maximum Conducted Output Power (continued) Results: 802.11n / HT20 / MCS2 / SISO / Port 1 / PWL 17 / 9 dBi Antenna Port 1



Bottom Channel





Result: Pass



Middle Channel



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11n / HT20 / MCS2 / SISO / Port 1 / PWL 12 / 9 dBi Antenna</u>

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Тор	8.7	1.0	9.7	21	11.3	Complied

De Facto EIRP Limit Comparison

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Тор	9.7	9	18.7	30	11.3	Complied



Transmitter Maximum Conducted Output Power (continued) Results: 802.11n / HT20 / MCS2 / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1



Top Channel


<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11n / HT20 / MCS6 / SISO / Port 1 / PWL 17 / 9 dBi Antenna</u>

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	12.1	2.1	14.2	21	6.8	Complied
Middle	11.9	2.1	14.0	21	7.0	Complied
Top-1	11.8	2.1	13.9	21	7.1	Complied

De Facto EIRP Limit Comparison

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	14.2	9	23.2	30	6.8	Complied
Middle	14.0	9	23.0	30	7.0	Complied
Top-1	13.9	9	22.9	30	7.1	Complied

Transmitter Maximum Conducted Output Power (continued) Results: 802.11n / HT20 / MCS6 / SISO / Port 1 / PWL 17 / 9 dBi Antenna Port 1



Bottom Channel





Result: Pass



Middle Channel



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11n / HT20 / MCS6 / SISO / Port 1 / PWL 12 / 9 dBi Antenna</u>

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Тор	7.7	2.1	9.8	21	11.2	Complied

De Facto EIRP Limit Comparison

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Тор	9.8	9	18.8	30	11.2	Complied



Transmitter Maximum Conducted Output Power (continued) Results: 802.11n / HT20 / MCS6 / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1



Top Channel



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11ac / HT20 / MCS2 / SISO / Port 1 / PWL 17 / 9 dBi Antenna</u>

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	13.2	2.3	15.5	21	5.5	Complied
Middle	13.1	2.3	15.4	21	5.6	Complied
Top-1	12.5	2.3	14.8	21	6.2	Complied

De Facto EIRP Limit Comparison

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	15.5	9	24.5	30	5.5	Complied
Middle	15.4	9	24.4	30	5.6	Complied
Top-1	14.8	9	23.8	30	6.2	Complied

Transmitter Maximum Conducted Output Power (continued) Results: 802.11ac / HT20 / MCS2 / SISO / Port 1 / PWL 17 / 9 dBi Antenna Port 1



Bottom Channel





Result: Pass



Middle Channel



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11ac / HT20 / MCS2 / SISO / Port 1 / PWL 12 / 9 dBi Antenna</u>

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Тор	8.6	2.3	10.9	21	10.1	Complied

De Facto EIRP Limit Comparison

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Тор	10.9	9	19.9	30	10.1	Complied



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11ac / HT20 / MCS2 / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1</u>



Top Channel



Transmitter Maximum Conducted Output Power (continued) Results: 802.11ac / HT20 / MCS6 / SISO / Port 1 / PWL 17 / 9 dBi Antenna

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	12.1	2.7	14.8	21	6.2	Complied
Middle	11.9	2.7	14.6	21	6.4	Complied
Top-1	11.0	2.7	13.7	21	7.3	Complied

De Facto EIRP Limit Comparison

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	14.8	9	23.8	30	6.2	Complied
Middle	14.6	9	23.6	30	6.4	Complied
Top-1	13.7	9	22.7	30	7.3	Complied

Transmitter Maximum Conducted Output Power (continued) Results: 802.11ac / HT20 / MCS6 / SISO / Port 1 / PWL 17 / 9 dBi Antenna Port 1



Bottom Channel





Result: Pass



Middle Channel



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11ac / HT20 / MCS6 / SISO / Port 1 / PWL 12 / 9 dBi Antenna</u>

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Тор	7.7	2.7	10.4	21	10.6	Complied

De Facto EIRP Limit Comparison

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Тор	10.4	9	19.4	30	10.6	Complied



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11ac / HT20 / MCS6 / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1</u>



Top Channel



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11n / HT40 / MCS3 / SISO / Port 1 / PWL 12 / 9 dBi Antenna</u>

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	7.1	2.3	9.4	21	11.6	Complied
Тор	7.3	2.3	9.6	21	11.4	Complied

De Facto EIRP Limit Comparison

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	9.4	9	18.4	30	11.6	Complied
Тор	9.6	9	18.6	30	11.4	Complied



Transmitter Maximum Conducted Output Power (continued) Results: 802.11n / HT40 / MCS3 / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1



Bottom Channel



Top Channel



Transmitter Maximum Conducted Output Power (continued) Results: 802.11n / HT40 / MCS4 / SISO / Port 1 / PWL 12 / 9 dBi Antenna

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	6.5	2.7	9.2	21	11.8	Complied
Тор	6.7	2.7	9.4	21	11.6	Complied

De Facto EIRP Limit Comparison

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	9.2	9	18.2	30	11.8	Complied
Тор	9.4	9	18.4	30	11.6	Complied



Transmitter Maximum Conducted Output Power (continued) Results: 802.11n / HT40 / MCS4 / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1



Bottom Channel



Top Channel



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11ac / HT40 / MCS3 / SISO / Port 1 / PWL 12 / 9 dBi Antenna</u>

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	7.5	1.6	9.1	21	11.9	Complied
Тор	7.4	1.6	9.0	21	12.0	Complied

De Facto EIRP Limit Comparison

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	9.1	9	18.1	30	11.9	Complied
Тор	9.0	9	18.0	30	12.0	Complied



Transmitter Maximum Conducted Output Power (continued) Results: 802.11ac / HT40 / MCS3 / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1



Bottom Channel



Top Channel



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11ac / HT40 / MCS4 / SISO / Port 1 / PWL 12 / 9 dBi Antenna</u>

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	7.0	1.7	8.7	21	12.3	Complied
Тор	6.8	1.7	8.5	21	12.5	Complied

De Facto EIRP Limit Comparison

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	8.7	9	17.7	30	12.3	Complied
Тор	8.5	9	17.5	30	12.5	Complied



Transmitter Maximum Conducted Output Power (continued) Results: 802.11ac / HT40 / MCS4 / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1



Bottom Channel



Top Channel



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11ac / HT80 / MCS1 / SISO / Port 1 / PWL 12 / 9 dBi Antenna</u>

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	7.7	2.9	10.6	21	10.4	Complied

De Facto EIRP Limit Comparison

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Single	10.6	9	19.6	30	10.4	Complied



Transmitter Maximum Conducted Output Power (continued) Results: 802.11ac / HT80 / MCS1 / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1



Single Channel



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11ac / HT80 / MCS8 / SISO / Port 1 / PWL 12 / 9 dBi Antenna</u>

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	4.8	3.3	8.1	21	12.9	Complied

De Facto EIRP Limit Comparison

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Single	8.1	9	17.1	30	12.9	Complied



Transmitter Maximum Conducted Output Power (continued) Results: 802.11ac / HT80 / MCS8 / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1



Single Channel



Transmitter Maximum Conducted Output Power (continued) Results: 802.11a / 20 MHz / 48Mbit / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Bottom	10.6	1.8	12.4	10.8	1.8	12.6
Middle	10.5	1.8	12.3	10.7	1.8	12.5
Top-1	9.6	1.8	11.4	9.7	1.8	11.5

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Bottom	12.4	12.6	15.5	21	5.5	Complied
Middle	12.3	12.5	15.4	21	5.6	Complied
Top-1	11.4	11.5	14.5	21	6.5	Complied

De Facto EIRP Limit Comparison

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	15.5	9	24.5	30	5.5	Complied
Middle	15.4	9	24.4	30	5.6	Complied
Top-1	14.5	9	23.5	30	6.5	Complied



Transmitter Maximum Conducted Output Power (continued) Results: 802.11a / 20 MHz / 48Mbit / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 1



Bottom Channel





Result: Pass



Middle Channel



Transmitter Maximum Conducted Output Power (continued) Results: 802.11a / 20 MHz / 48Mbit / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 2



Bottom Channel





Result: Pass



Middle Channel



Transmitter Maximum Conducted Output Power (continued) Results: 802.11a / 20 MHz / 48Mbit / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Тор	4.9	1.8	6.7	5.2	1.8	7.0

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Тор	6.7	7.0	9.9	21	11.1	Complied

De Facto EIRP Limit Comparison

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Тор	9.9	9	18.9	30	11.1	Complied



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11a / 20 MHz / 48Mbit / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 1</u>



Top Channel



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11a / 20 MHz / 48Mbit / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 2</u>



Top Channel



Transmitter Maximum Conducted Output Power (continued) Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Bottom	10.4	1.8	12.2	10.7	1.8	12.5
Middle	10.3	1.8	12.1	10.6	1.8	12.4
Top-1	9.3	1.8	11.1	9.5	1.8	11.3

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Bottom	12.2	12.5	15.4	21	5.6	Complied
Middle	12.1	12.4	15.3	21	5.7	Complied
Top-1	11.1	11.3	14.2	21	6.8	Complied

De Facto EIRP Limit Comparison

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	15.4	9	24.4	30	5.6	Complied
Middle	15.3	9	24.3	30	5.7	Complied
Top-1	14.2	9	23.2	30	6.8	Complied



Transmitter Maximum Conducted Output Power (continued) Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 1



Bottom Channel





Result: Pass



Middle Channel



Transmitter Maximum Conducted Output Power (continued) Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 2



Bottom Channel





Result: Pass



Middle Channel



Transmitter Maximum Conducted Output Power (continued) Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Тор	4.6	1.8	6.4	5.0	1.8	6.8

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Тор	6.4	6.8	9.6	21	11.4	Complied

De Facto EIRP Limit Comparison

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Тор	9.6	9	18.6	30	11.4	Complied



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 1</u>



Top Channel



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 2</u>



Top Channel


<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11n / HT20 / MCS0 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna</u>

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Bottom	12.3	0.6	12.9	12.6	0.6	13.2
Middle	11.9	0.6	12.5	12.2	0.6	12.8
Top-1	12.2	0.6	12.8	12.6	0.6	13.2

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Bottom	12.9	13.2	16.1	21	4.9	Complied
Middle	12.5	12.8	15.7	21	5.3	Complied
Top-1	12.8	13.2	16.0	21	5.0	Complied

De Facto EIRP Limit Comparison

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	16.1	9	25.1	30	4.9	Complied
Middle	15.7	9	24.7	30	5.3	Complied
Top-1	16.0	9	25.0	30	5.0	Complied



Transmitter Maximum Conducted Output Power (continued) Results: 802.11n / HT20 / MCS0 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 1



Bottom Channel



Top-1 Channel

Result: Pass





Transmitter Maximum Conducted Output Power (continued) Results: 802.11n / HT20 / MCS0 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 2



Bottom Channel





Result: Pass





Results: 802.11n / HT20 / MCS0 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Тор	7.6	0.6	8.2	7.6	0.6	8.2

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Тор	8.2	8.2	11.2	21	9.8	Complied

De Facto EIRP Limit Comparison

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Тор	11.2	9	20.2	30	9.8	Complied



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11n / HT20 / MCS0 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 1</u>



Top Channel



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11n / HT20 / MCS0 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 2</u>



Top Channel



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11n / HT20 / MCS4 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna</u>

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Bottom	11.0	1.6	12.6	11.3	1.6	12.9
Middle	10.1	1.6	11.7	10.4	1.6	12.0
Top-1	11.0	1.6	12.6	11.3	1.6	12.9

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Bottom	12.6	12.9	15.8	21	5.2	Complied
Middle	11.7	12.0	14.9	21	6.1	Complied
Top-1	12.6	12.9	15.8	21	5.2	Complied

De Facto EIRP Limit Comparison

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	15.8	9	24.8	30	5.2	Complied
Middle	14.9	9	23.9	30	6.1	Complied
Top-1	15.8	9	24.8	30	5.2	Complied



Transmitter Maximum Conducted Output Power (continued) Results: 802.11n / HT20 / MCS4 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 1



Bottom Channel





Result: Pass





Transmitter Maximum Conducted Output Power (continued) Results: 802.11n / HT20 / MCS4 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 2



Bottom Channel



Top-1 Channel

Result: Pass





Results: 802.11n / HT20 / MCS4 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Тор	6.1	1.6	7.7	6.7	1.6	8.3

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Тор	7.7	8.3	11.0	21	10.0	Complied

De Facto EIRP Limit Comparison

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Тор	11.0	9	20.0	30	10.0	Complied



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11n / HT20 / MCS4 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 1</u>



Top Channel



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11n / HT20 / MCS4 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 2</u>



Top Channel



Transmitter Maximum Conducted Output Power (continued) Results: 802.11ac / HT20 / MCS0 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Bottom	12.0	0.8	12.8	12.3	0.8	13.1
Middle	11.8	0.8	12.6	12.2	0.8	13.0
Top-1	11.7	0.8	12.5	12.1	0.8	12.9

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Bottom	12.8	13.1	16.0	20.9	4.9	Complied
Middle	12.6	13.0	15.8	20.9	5.1	Complied
Top-1	12.5	12.9	15.7	20.9	5.2	Complied

De Facto EIRP Limit Comparison

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	16.0	9	25.0	29.9	4.9	Complied
Middle	15.8	9	24.8	29.9	5.1	Complied
Top-1	15.7	9	24.7	29.9	5.2	Complied



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11ac / HT20 / MCS0 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 1</u>



Bottom Channel



Top-1 Channel

Result: Pass





<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11ac / HT20 / MCS0 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 2</u>



Bottom Channel



Top-1 Channel

Result: Pass





<u>Results: 802.11ac / HT20 / MCS0 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna</u>

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Тор	6.8	0.8	7.6	6.7	0.8	7.5

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Тор	7.6	7.5	10.6	20.9	10.3	Complied

De Facto EIRP Limit Comparison

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Тор	10.6	9	19.6	29.9	10.3	Complied



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11ac / HT20 / MCS0 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 1</u>



Top Channel



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11ac / HT20 / MCS0 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 2</u>



Top Channel



Transmitter Maximum Conducted Output Power (continued) Results: 802.11ac / HT20 / MCS4 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Bottom	10.2	1.9	12.1	10.4	1.9	12.3
Middle	10.0	1.9	11.9	10.3	1.9	12.2
Top-1	9.9	1.9	11.8	10.2	1.9	12.1

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Bottom	12.1	12.3	15.2	21	5.8	Complied
Middle	11.9	12.2	15.1	21	5.9	Complied
Top-1	11.8	12.1	15.0	21	6.0	Complied

De Facto EIRP Limit Comparison

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	15.2	9	24.2	30	5.8	Complied
Middle	15.1	9	24.1	30	5.9	Complied
Top-1	15.0	9	24.0	30	6.0	Complied



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11ac / HT20 / MCS4 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 1</u>



Bottom Channel



Top-1 Channel

Result: Pass





<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11ac / HT20 / MCS4 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 2</u>



Bottom Channel



Top-1 Channel

Result: Pass





Results: 802.11ac / HT20 / MCS4 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Тор	4.2	1.9	6.1	4.6	1.9	6.5

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Тор	6.1	6.5	9.3	21	11.7	Complied

De Facto EIRP Limit Comparison

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Тор	9.3	9	18.3	30	11.7	Complied



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11ac / HT20 / MCS4 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 1</u>



Top Channel



<u>Transmitter Maximum Conducted Output Power (continued)</u> <u>Results: 802.11ac / HT20 / MCS4 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 2</u>



Top Channel



<u>Results: 802.11n / HT40 / MCS7 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna</u>

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Bottom	3.1	3.2	6.3	3.7	3.2	6.9
Тор	3.0	3.2	6.2	3.7	3.2	6.9

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Bottom	6.3	6.9	9.6	21	11.4	Complied
Тор	6.2	6.9	9.6	21	11.4	Complied

De Facto EIRP Limit Comparison

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	9.6	9	18.6	30	11.4	Complied
Тор	9.6	9	18.6	30	11.4	Complied

