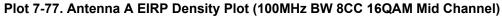
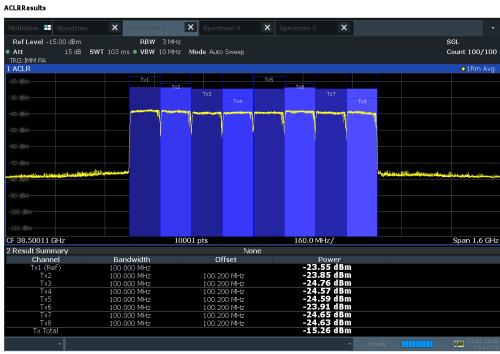
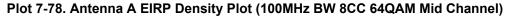


MultiView 🖶 Spectrum	X Spectrum 3	X Spectrum 4	X Spectrum 5 X	•
Ref Level -15.00 dBm	RBW 3N	1Hz		SGL
	SWT 103 ms • VBW 10 N	1Hz Mode Auto Sweep		Count 100/100
TRG:IMM PA 1 ACLR				•1Rm Ava
	Tx1		Tx5	O INII AVg
		Tx2	Tx6	
-30 dBm				
				Tx8
		and the second s	and the second	1
-50 dBm			1 1	
ang data di kana kana kana kana kana kana kana kan	A State of S			Maging to a life the second life in the second s
-100 dBm				
CF 38.50011 GHz		10001 pts	160.0 MHz/	Span 1.6 GH
2 Result Summary		Noi	ne	
Channel	Bandwidth	Offset	Power	
Tx1 (Ref)	100.000 MHz		-23.51 dBm -23.83 dBm	
Tx2 Tx3	100.000 MHz 100.000 MHz	100.200 MHz 100.200 MHz	-23.83 abiii -24.77 dBm	
Tx4	100.000 MHz	100.200 MHz	-24.57 dBm	
Tx5	100.000 MHz	100.200 MHz	-24.56 dBm	
Tx6	100.000 MHz	100.200 MHz	-23.87 dBm	
Tx7 Tx8	100.000 MHz 100.000 MHz	100.200 MHz 100.200 MHz	-24.64 dBm -24.65 dBm	
Tx Total	1001000441112	100.200 MI12	-15.24 dBm	
			~	Ready 21.02.202
				17:59:10
7:59:16 21.02.2020				





17:47:24 21.02.2020

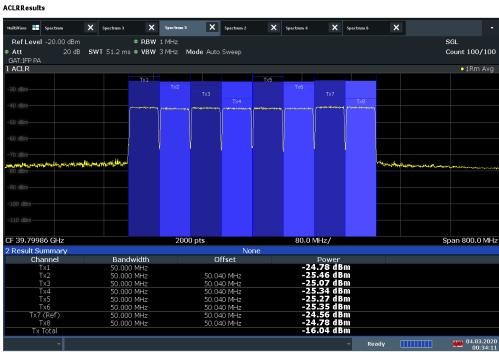


FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 64 of 256
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		Spectrum 5	×	Spectrum 2	×	Spectrum 4	×	Spectrum 6	×		
Ref Level -20.00 dBm	RI	SW 1 MHz									SGL
	SWT 51.2 ms • VE	W 3 MHz I	Mode Auto	Sweep							Count 100/1
AT:IFP PA											
ACLR											●1Rm Av
	Tx1	Tx2			Tx5	7.4					
0 dBm								Tx8			
U dBm		produces	The second se	1 marine	***********	(meters of the second s		1	1		
0 dBm											
0 dBm											
<mark>energinalayan ang sing bergilikan ani ang sing ba</mark> 0 dBm	And an a state and a state of a state								and the second shares	مراهبا رانه به منه رامیل	
) dBm											
10 dBm											
39.79986 GHz		200	0 pts			80.0	MHz/				Span 800.0 M
Result Summary					one						
Channel	Bandwidth		0	offset			Power	-			
Tx1 Tx2	50.000 MHz 50.000 MHz		50.0	40 MHz			1.80 dB 5.47 dB				
Tx3	50.000 MHz			40 MHz			5 07 dB				
Tx4	50.000 MHz			40 MHz			5.33 dB				
Tx5	50.000 MHz			40 MHz			5.28 dB				
	50.000 MHz			40 MHz			5.35 dB				
Tx6	50.000 MHz			40 MHz			1.56 dB				
Tx6 Tx7 (Ref)			50.0	40 MHz		-24	1.79 dB	m			
Tx7 (Ref) Tx8	50.000 MHz										
Tx7 (Ref)	50.000 MHz		00.0			-10	5.04 dB	m			
Tx7 (Ref) Tx8	50.000 MHz					-10	5.04 dB		eady 🛛		04.03.20 00:36





00:34:12 04.03.2020

Plot 7-80. Antenna A EIRP Density Plot (50MHz BW 8CC 16QAM High Channel)

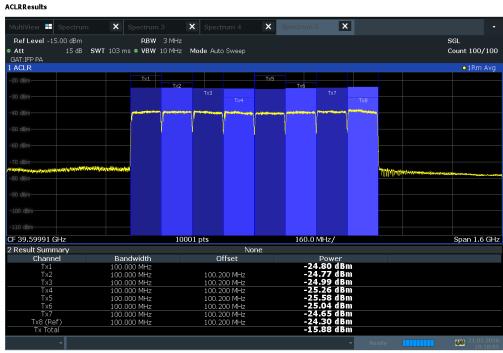
FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 65 of 256
8K19110701-01.A3L	02/18/2020-03/06/2020	5G Access Unit		Page 65 of 356
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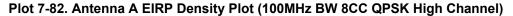
dultiView 📑 Spectrum	X Spectrum 3	×	Spectrum 5	×	Spectrum 2	×	Spectrum 4	×	Spectrum 6	×			
Ref Level -20.00 dBm		● RBW	1 MHz									SGL	
Att 20 dB				Mode Auto	Sweep							Count 10	00/100
GAT: IFP PA													
ACLR												○1F	Rm Avg
		Tx1				Tx5							
			Tx2										
									Tx8				
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		James areas	-	(antiparations)	provident	and the second second	and the second s	1			
50 dBm													
					1								
60 dBm								í l					
				)		Ų.			ľ				
	an in the o									Mary Have			
مرينوني ريني ريني وروني وينه المريني الماني ويريك المرينية ويرينه المرينية المرينية ويرينه المرينية ويرينه الم	A Station Line and any services										a president and a second of the	a state of the second sec	Agent and
a yang bar y 80 dism	allerson and a shirt of the second									1.141.447	happen and a street	*****	*****
SU dem	den an										**************************************		
SU dem	#Lavera										an a		******
90 dBm	\$15449444										€29 ^{,4} 9,49,4 ⁴ ,49,4 ⁴ ,4,4 ⁴ ,4 ⁴ ,4 ⁴ ,		*****
30 dBm	9184499449447944794949999										n an		***
90 dBm													***
90 dBm													*******
90 dBm			200	0 pts			80.01	MHz/				Span 800	0.0 MH
80 dam 90 dam 100 dam 110 dam F 39,79986 GHz Result Summary			200			one	80.01						0.0 MH
20 dam 20 dam 100 dam F 39,79986 GHz Result Summary Channel	Band	lwidth	200		No	one		Power					0.0 MH
00 dam- 10 dam- 100 dam- 100 dam- F 39,79986 GHz Result Summary Channel T X1	Band 50.00	0 MHz	200	0	ffset	one	-24	Power					0.0 MH
20 dam 20 dam 100 dam F 39.79986 GHz Result Summary Channel T×1 T×2	Band 50.000 50.000	0 MHz 0 MHz	200	0 50.04	ffset 40 MHz	one	-24 -21	Power 1.83 dB	m				0.0 MH
00 dam 10 dam 10 dam 10 dam F 39.79986 GHz Result Summary Channel Tx1 Tx2 Tx3	Band 50,00 50,00 50,00	0 MHz 0 MHz 0 MHz	200	50.04 50.04	ffset 40 MHz 40 MHz	one	-24 -21 -21	Power 1.83 dB 5.51 dB 5.12 dB	m m				0.0 MH
20 dam 20 dam 100 dam F 39.79986 GHz Result Summary Channel T×1 T×2	Band 50.00 50.00 50.00 50.00	0 MHz 0 MHz 0 MHz 0 MHz	200	50.04 50.04 50.04	ffset 40 MHz 40 MHz 40 MHz	one	-24 -2! -2!	Power 1.83 dB 5.51 dB 5.12 dB 5.39 dB	m m m				0.0 MH
20 dam	Band 50.00 50.00 50.00 50.00 50.00 50.00	0 MHz 0 MHz 0 MHz 0 MHz 0 MHz 0 MHz 0 MHz	200	50.04 50.04 50.04 50.04 50.04 50.04	ffset 40 MHz 40 MHz 40 MHz 40 MHz 40 MHz 40 MHz	one	-24 -23 -23 -23 -23 -23	Power 1.83 dB 5.51 dB 5.12 dB 5.39 dB 5.32 dB 5.39 dB	m m m m m				0.0 M⊦
20 dam 20 dam 20 dam 100 dam F 39.79986 GHz Result Summary Channel Tx1 Tx2 Tx3 Tx4 Tx5 Tx6 Tx7 (Ref)	Band 50,00 50,00 50,00 50,00 50,00 50,00 50,00	0 MHz 0 MHz 0 MHz 0 MHz 0 MHz 0 MHz 0 MHz 0 MHz	200	50.04 50.04 50.04 50.04 50.04 50.04 50.04	ffset 40 MHz 40 MHz 40 MHz 40 MHz 40 MHz 40 MHz 40 MHz	one	-24 -2! -2! -2! -2! -2!	Power 1.83 dB 5.51 dB 5.12 dB 5.39 dB 5.32 dB 5.39 dB 1.60 dB	m m m m m m				0.0 MH
20 dam 20 dam 20 dam 100 dam F 39.79986 GHz Result Summary Channel Tx1 Tx2 Tx2 Tx3 Tx4 Tx5 Tx6 TX7 (Ref) Tx8	Band 50.00 50.00 50.00 50.00 50.00 50.00	0 MHz 0 MHz 0 MHz 0 MHz 0 MHz 0 MHz 0 MHz 0 MHz	200	50.04 50.04 50.04 50.04 50.04 50.04 50.04	ffset 40 MHz 40 MHz 40 MHz 40 MHz 40 MHz 40 MHz	one	-24 -2! -2! -2! -2! -2! -2! -2!	Power 1.83 dB 5.51 dB 5.12 dB 5.39 dB 5.32 dB 5.39 dB 1.60 dB 1.82 dB	m m m m m m m				0.0 MH
80 dem 90 d8m 100 d8m 110 d8m F 39.79986 GHz Result Summary Channel Tx1 Tx2 Tx3 Tx4 Tx5 Tx6 Tx7 (Ref)	Band 50,00 50,00 50,00 50,00 50,00 50,00 50,00	0 MHz 0 MHz 0 MHz 0 MHz 0 MHz 0 MHz 0 MHz 0 MHz	200	50.04 50.04 50.04 50.04 50.04 50.04 50.04	ffset 40 MHz 40 MHz 40 MHz 40 MHz 40 MHz 40 MHz 40 MHz	one	-24 -2! -2! -2! -2! -2! -2! -2!	Power 1.83 dB 5.51 dB 5.12 dB 5.39 dB 5.32 dB 5.39 dB 1.60 dB	m m m m m m m			Span 800	0.0 MH

00:31:32 04.03.2020

Plot 7-81. Antenna A EIRP Density Plot (50MHz BW 8CC 64QAM High Channel)



18:18:05 21.02.2020



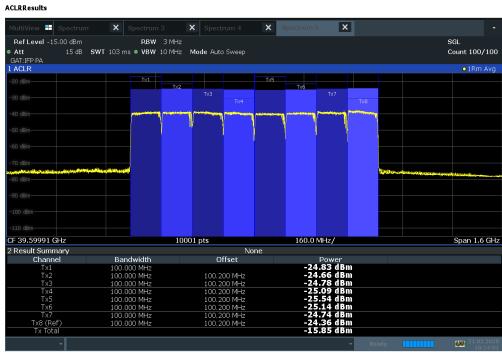
FCC ID: A3LAT1K02-A00	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dawa 60 of 250
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MultiView 🎛 Spectrum	X Spectrum 3	X Spectrum 4	X Spectrum 5 X	•
Ref Level -15.00 dBm	RBW 3 MH			SGL
	<b>₩T</b> 103 ms ● <b>VBW</b> 10 MH	iz Mode Auto Sweep		Count 100/10
BAT:IFP PA ACLR				●1Rm Avc
20 dBm	Tx1		Tx5	
	The second se		Tx6	
			Tx7	
0 dBm		Annalis Providence Standards		
		- "Y		
الوجية الالاج ومعتبة اليويد وموأود أروحانها الأوج ومطالبهم	ing a statistic second of		Talkaparrana	the application of the state of
0 dBm				
0 d8m				
00 dBm				
L10 dBm				
- 39.59991 GHz		0001 pts	160.0 MHz/	Span 1.6 G
Result Summary		Non	e	
Channel	Bandwidth	Offset	Power	
Tx1 Tx2	100.000 MHz 100.000 MHz	100.200 MHz	-24.83 dBm -24.67 dBm	
Tx3	100.000 MHz	100.200 MHz	-24.87 dBm	
Tx4	100.000 MHz	100.200 MHz	-25.13 dBm	
Tx5	100.000 MHz	100.200 MHz	-25.56 dBm	
Tx6 Tx7	100.000 MHz 100.000 MHz	100.200 MHz 100.200 MHz	-25.12 dBm -24.71 dBm	
Tx8 (Ref)	100.000 MHz	100.200 MHz	-24.33 dBm	
Tx Total		1001200 1112	-15.85 dBm	
			▼ Ready	21.02.20 10:21:
				18:21:

18:21:11 21.02.2020

Plot 7-83. Antenna A EIRP Density Plot (100MHz BW 8CC 16QAM High Channel)



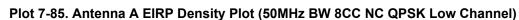
18:24:01 21.02.2020

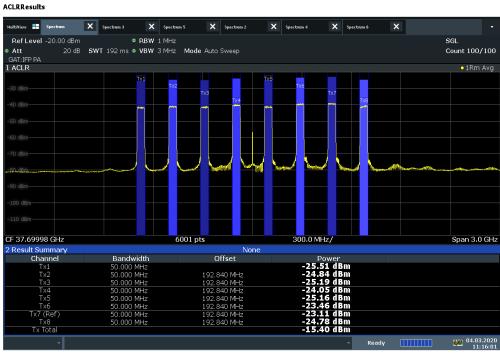
# Plot 7-84. Antenna A EIRP Density Plot (100MHz BW 8CC 64QAM High Channel)

FCC ID: A3LAT1K02-A00	PCTEST. Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 67 of 256
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ltiView 📑 Spectrum 💙	Spectrum 3 🗙 Sp	ectrum 5 🗙	Spectrum 2	Spectrum 4	X Spects	um 6	×	
Ref Level -20.00 dBm	● RBW 1 M	Hz						SGL
Att 20 dB	SWT 192 ms ● VBW 3 M	Hz Mode Auto	Sweep					Count 100/10
AT:IFP PA								
ACLR								O1Rm Av
	Tx1		Tx5					
0 dBm		Tx2		Tx6				
		ТхЗ	T	T	×7	<b>T</b> 0		
						-1X8		
0 dBm								
0 dBm								
				1 🔧 . /				
0.dBm	warman and the second s	Annual Matte	<u>, ((1), 10, 10, 10, 10, 10, 10, 10, 10, 10, 10</u>	www.d Impressed	linerront	Magannord	Martin and Million	The second statement of the second
00 dBm								
10 dBm						_		
37.69998 GHz		6001 pts		300.0 MHz,	/			Span 3.0 G
Result Summary			None					
Channel	Bandwidth	0	ffset	Pow				
Tx1	50.000 MHz			-25.55				
Tx2	50.000 MHz		40 MHz	-24.87				
Tx3 Tx4	50.000 MHz 50.000 MHz		40 MHz 40 MHz	-25.14 -24.06				
Tx5	50.000 MHz		40 MHz 40 MHz	-25.15	dBm_			
Tx6	50.000 MHz		40 MHz	-23.43	dBm			
Tx7 (Ref)	50.000 MHz	192.8	40 MHz	-23.15	dBm			
Tx8	50.000 MHz	192.8	40 MHz	-24.80	dBm			
Tx Total				-15.41	dBm			
*					~	Ready		<b>V</b> 04.03.20
								11:13





11:16:02 04.03.2020

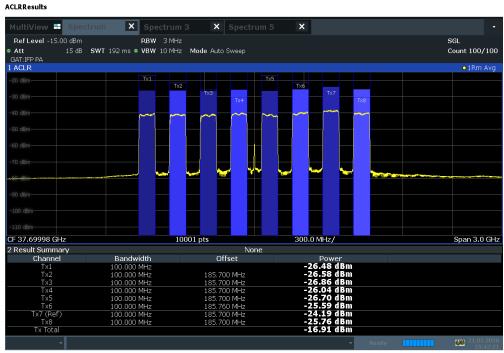
Plot 7-86. Antenna A EIRP Density Plot (50MHz BW 8CC NC 16QAM Low Channel)

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 69 of 256
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lti¥iew Spectrum	Spectrum 3 X Sp	ectrum 5 🗙	Spectrum 2	Spectrum 4	Spectrum 6	×	
Ref Level -20.00 dBm	• RBW 1 M	Hz					SGL
Att 20 dB	SWT 192 ms • VBW 3 M	Hz Mode Auto S	Sweep				Count 100/10
AT:IFP PA							
ACLR							O1Rm Av
	Tx1		Tx5				
0 dBm		Tx2		Tx6			
		ТхЗ	T-1	Tx7	7.0		
	restro				1×6		
0 dBm							
0 dBm							
0.d8m		Marth Marth	mall week mail how	man Imaterial	Termonal Diene	served WP Biland town or thinks	and the second sec
10 dBm							
37.69998 GHz		6001 pts		300.0 MHz/			Span 3.0 G
Result Summary			None				
Channel	Bandwidth	Of	fset	Power			
Tx1	50.000 MHz			-25.48 d	Bm		
Tx2	50.000 MHz		40 MHz	-24.84 d			
Tx3	50.000 MHz		10 MHz	-25.19 d			
Tx4 Tx5	50.000 MHz 50.000 MHz		40 MHz 40 MHz	-24.05 d -25.16 d	Bm		
Tx5 Tx6	50.000 MHz 50.000 MHz		iu MHZ 10 MHz	-23.45 d	Bm		
Tx7 (Ref)	50.000 MHz		10 MHz	-23.10 d			
Tx8	50.000 MHz		10 MHz	-24.77 d	Bm		
Tx Total				-15.39 d	Bm		
~						ty IIIII	<b>DXI</b> 04.03.20
							11:18:

Plot 7-87. Antenna A EIRP Density Plot (50MHz BW 8CC NC 64QAM Low Channel)



15:42:21 21.02.2020

Plot 7-88. Antenna A EIRP Density Plot (100MHz BW 8CC NC QPSK Low Channel)

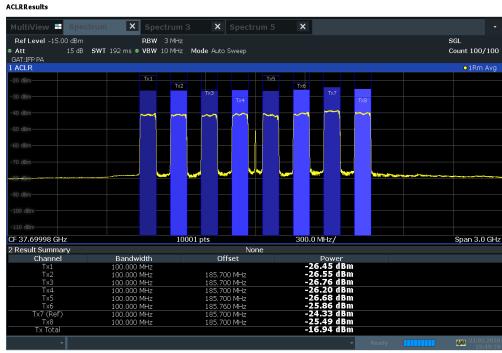
FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 60 of 256
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4ultiView 🎫 Spect	rum 🗙 Spectrur	n 3 🛛 🗙 Spectrum !	5 <b>X</b>		
RefLevel -15.00 dBm	RBW 3 MH				SGL
Att 15 dB AT: IFP PA	SWT 192 ms ● VBW 10 MH	z Mode Auto Sweep			Count 100/10
ALLEP PA					•1Rm Avg
0 dBm	Tx1	Тх	5		
	T		Tx6		
		Tx3	Tx7	Tx8	
		184		188	
) dBm	~~~			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
) dBm					
1-40m			<u>****</u>	* Wittensteine	 
10 dBm					
37.69998 GHz		.0001 pts	300.0 MHz/		Span 3.0 Gł
Result Summary		None			opan oro a
Channel	Bandwidth	Offset	Power		
Tx1	100.000 MHz		-26.46 dBn		
Tx2 Tx3	100.000 MHz 100.000 MHz	185.700 MHz 185.700 MHz	-26.57 dBn -26.81 dBn		
Tx4	100.000 MHz	185.700 MHz	-26.20 dBn		
Tx5	100.000 MHz	185.700 MHz	-26.72 dBn	n	
Тхб	100.000 MHz	185.760 MHz	-25.85 dBn		
Tx7 (Ref) Tx8	100.000 MHz	185.700 MHz	-24.32 dBn -25.55 dBn		
Tx Total	100.000 MHz	185.700 MHz	-16.96 dBn	1	
				- Ready	21.02.20

15:45:36 21.02.2020

#### Plot 7-89. Antenna A EIRP Density Plot (100MHz BW 8CC NC 16QAM Low Channel)



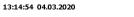
15:49:19 21.02.2020

# Plot 7-90. Antenna A EIRP Density Plot (100MHz BW 8CC NC 64QAM Low Channel)

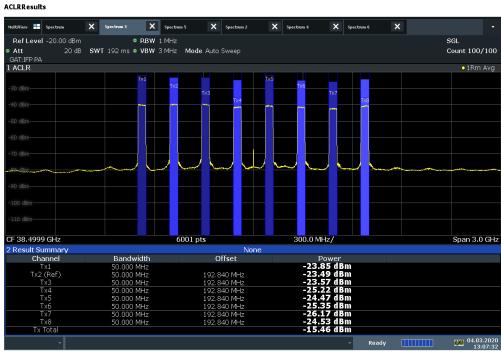
FCC ID: A3LAT1K02-A00	PCTEST. Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 70 of 256
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Multi¥iew Spectrum	🗙 Spectrum 3 🗙 Spec	trum 5 🗙 Spectrum 2	X Spectrum 4	X Spectrum 6	×	•
RefLevel -20.00 dBm	• RBW 1 MH	z				SGL
Att 20 dB	SWT 192 ms • VBW 3 MH	z Mode Auto Sweep				Count 100/100
GAT: IFP PA						
ACLR						●1Rm Avg
	T×1		Tx5			
		Tx3	Tx	7		
40 dBm		Tx4		Тх8		
				n 🗖		
70 dBm						
98-d8m	$ \sim                                   $					
90 dBm						
100 dBm						
F 38.4999 GHz		6001 pts	300.0 MHz/			Span 3.0 GF
Result Summary			ne			
Channel	Bandwidth	Offset	Pow			
Tx1 Tx2 (D=5)	50.000 MHz	1.00.040.041	-23.89 -23.51			
Tx2 (Ref) Tx3	50.000 MHz 50.000 MHz	192.840 MHz 192.840 MHz	-23.59			
Tx4	50.000 MHz	192.840 MHz	-25.30	dBm		
Tx5	50.000 MHz	192.840 MHz	-24.48	dBm		
Тхб	50.000 MHz	192.840 MHz	-25.39			
Тх7 Тх8	50.000 MHz	192.840 MHz	-26.19 -24.54	dBm dBm		
Tx Total	50.000 MHz	192.840 MHz	-15.49	dBm		
						DT 04.03.202
						13:14:5



Plot 7-91. Antenna A EIRP Density Plot (50MHz BW 8CC NC QPSK Mid Channel)



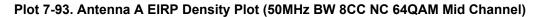
13:07:32 04.03.2020

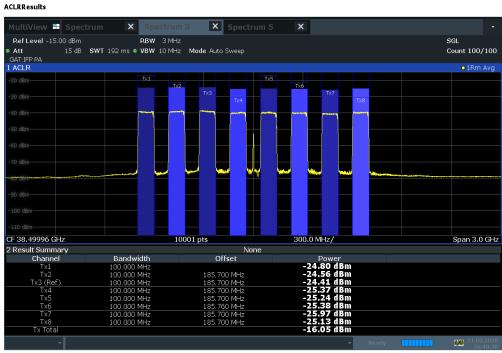
# Plot 7-92. Antenna A EIRP Density Plot (50MHz BW 8CC NC 16QAM Mid Channel)

FCC ID: A3LAT1K02-A00	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dago 71 of 256
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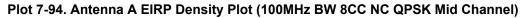


		Spectrum 5 X Spect	rum 2 🗙	Spectrum 4 🗙	Spectrum 6	×	
Ref Level -20.00 dBm	● RB₩ 1 №	IHz					SGL
Att 20 dB	SWT 192 ms • VBW 3 M	IHz Mode Auto Swee	p				Count 100/10
AT: IFP PA							
ACLR							●1Rm Av
	Tx1		Tx5				
		Tx2 Tx3		Tx6			
		1×3	<b>4</b>	187	Tx8		
			-	<u>~</u>			
) dBm							
A-dam					Nue - 201 (1		
) dBm							
00 dBm							
38.4999 GHz		6001 pts		300.0 MHz/			Span 3.0 G
Result Summary			None				
Channel	Bandwidth	Offset		Power			
Tx1	50.000 MHz			-23.81 d	BM		
Tx2 (Ref) Tx3	50.000 MHz 50.000 MHz	192.840 M 192.840 M		-23.44 d -23.55 d	BM Bm		
Tx4	50.000 MHz	192.840 M		-25.23 d			
Tx5	50.000 MHz	192.840 M		-24.42 d	Bm		
Тхб	50.000 MHz	192.840 M	Hz	-25.36 di			
Tx7	50.000 MHz	192.840 M		-26.11 d			
Tx8 Tx Total	50.000 MHz	192.840 M	Hz	-24.45 d -15.43 d	5m		
ix lotal				-15.43 0	•111		
					-	Ready 🛄	04.03.2





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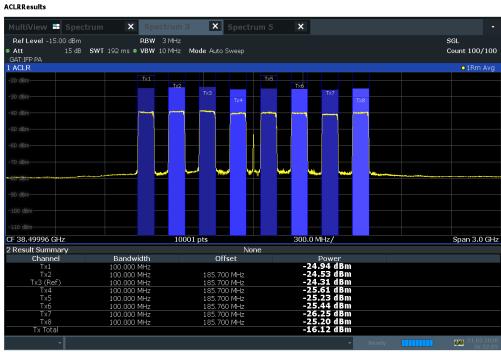


FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 70 of 256
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Ref Level -15.00 dBm	RBW 3				SGL
	SWT 192 ms • VBW 10				Count 100/1
ATT: IFP PA	2441 192 ms = 4R44 10	MHZ Mode Auto Sweep			Count 100/10
ACLR					•1Rm Av
	Tx1	ی و و دور این این و وی و	×5		
	1.11	Tx2	Tx6		
		Tx3	Tx7		
		Tx4		Tx8	
		m			
	l l				
		and second testing	taken the later		
dem				And the second s	
dBm		10001 pts	300.0 MHz/		Span 3.0 C
d8m		None			Span 3.0 C
dam	Bandwidth		Power		Span 3.0 C
dam 0 dam 38,49996 GHz esult Summary Channel TX1	100.000 MHz	None Offset	Power -24.79 dBm		Span 3.0 (
d8m	100.000 MHz 100.000 MHz	None Offset 185.700 MHz	Power -24.79 dBm -24.58 dBm		Span 3.0 (
dam 0 dam 38.49996 GHz esult Summary Channel Tx1 Tx2 Tx2 Tx3 (Ref)	100.000 MHz 100.000 MHz 100.000 MHz	None Offset 185.700 MHz 185.700 MHz	Power -24.79 dBm -24.58 dBm -24.42 dBm		Span 3.0 (
d8m 0 d8m 38.49996 GHz esult Summary Channel Tx1 Tx2 Tx3 (Ref) Tx4	100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz	None Offset 185.700 MHz 185.700 MHz 185.700 MHz 185.700 MHz	Power -24.79 dBm -24.58 dBm -24.42 dBm -25.37 dBm		Span 3.0 (
dam 0 dam 38.49996 GHz channel Tx1 Tx2 Tx3 (Ref)	100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz	None Offset 185.700 MHz 185.700 MHz 185.700 MHz 185.700 MHz	Power -24.79 dBm -24.58 dBm -24.42 dBm		Span 3.0 0
dam 0 dam 0 dam 38.49996 GHz tesult Summary Channel Tx1 Tx2 Tx3 (Ref) Tx4 Tx5 Tx6 Tx6 Tx7	100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz	None Offset 185.700 MHz 185.700 MHz 185.700 MHz 185.700 MHz	Power -24.79 dBm -24.58 dBm -24.42 dBm -25.37 dBm -25.25 dBm -25.38 dBm -25.97 dBm		Span 3.0 (
dani 0 dam 38.49996 GHz esult Summary Channel Tx2 Tx3 (Ref) Tx4 Tx5 Tx6 Tx7 Tx8	100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz	None Offset 185.700 MHz 185.700 MHz 185.700 MHz 185.700 MHz 185.760 MHz	Power -24.79 dBm -24.58 dBm -25.37 dBm -25.38 dBm -25.38 dBm -25.77 dBm -25.15 dBm		Span 3.0 (
dam 0 dam 0 dam 38.49996 GHz tesult Summary Channel Tx1 Tx2 Tx3 (Ref) Tx4 Tx5 Tx6 Tx6 Tx7	100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz	None Offset 185.700 MHz 185.700 MHz 185.700 MHz 185.700 MHz 185.700 MHz 185.700 MHz	Power -24.79 dBm -24.58 dBm -24.42 dBm -25.37 dBm -25.25 dBm -25.38 dBm -25.97 dBm		Span 3.0 (

## Plot 7-95. Antenna A EIRP Density Plot (100MHz BW 8CC NC 16QAM Mid Channel)



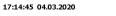
16:32:06 21.02.2020

# Plot 7-96. Antenna A EIRP Density Plot (100MHz BW 8CC NC 64QAM Mid Channel)

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 72 of 256
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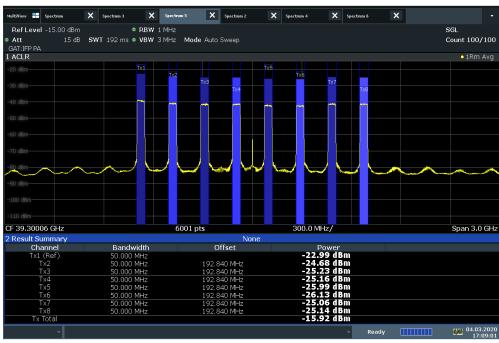


MultiView 📑 S	pectrum	×	Spectrum 3	×	Spectrum 5	×	Spectrum 2	×	Spectrum 4	×	Spectrum 6	×		
Ref Level -	15.00 dBm			RBW	1 MHz									SGL
Att Att	15 dB	sw.	192 ms	● VBW	3 MHz Mo	de Auto	Sweep							Count 100/100
GAT: IFP PA														
I ACLR														●1Rm Avg
								Tx5						
					<b>T</b> X2	ТхЗ			Tx6	Tx7				
						1/2	Tx4			107	Тх8			
-40 dBm						<b>m</b>		<b>1</b>	r~n	m				
-50 dBm														
-80 dBm			A.	/ 🗸		28		J 🔪						
	~~~	~~~~			Street, Provide	1 T	10		and here	1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~	~~~	
									_					
-110 dBm														
CF 39.30006	CH7				6001	nte			300.0 MI	17/				Span 3.0 GHz
2 Result Sun					0001	pts	Non	۵	300.0 141	127				Span 5.0 Gri
Char			Bandy	width		С	offset		Р	ower				
Tx1 (F	Ref)		50.000	MHz					-22.9	96 d B				
Tx			50.000				340 MHz		-24.6					
Tx			50.000				340 MHz		-25.2					
Tx Tx			50.000 50.000				340 MHz 340 MHz		-25.1					
TX			50.000				340 MHZ 340 MHZ		-26.1					
Tx			50.000				340 MHz		-25.0	04 dE	im			
Тx			50.000				340 MHz		-25.					
Τχ Τα	ital								-15.9	90 de	im			
	~											y III		04.03.2020
	~										Read	<u>у</u> Ш		17:14



ACLRResults

Plot 7-97. Antenna A EIRP Density Plot (50MHz BW 8CC NC QPSK High Channel)



17:09:01 04.03.2020

Plot 7-98. Antenna A EIRP Density Plot (50MHz BW 8CC NC 16QAM High Channel)

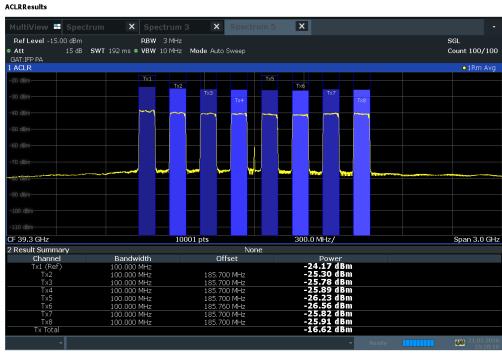
FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 74 of 256
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MultiView 🕂 Spectrum	×	Spectrum 3	×	Spectrum 5	×	Spectrum 2	×	Spectrum 4	×	Spectrum 6	×		
Ref Level -15.00 dBm			RBW	1 MHz		· · · · · ·						SG	L
Att 15 dE	sw	T 192 ms	• VBW	3 MHz Mo	de Auto	Sweep						Co	_ unt 100/100
GAT: IFP PA													
I ACLR													●1Rm Avg
-20 dBm							Tx5						
				Tx2				T×6					
					ТхЗ	Tx4	_		Tx7	Tx8			
						107				140			
40 dBm			- M		····-	****	-	ma	~~				
60 dBm													
80 dBm	×	~~~	/ 🛰		/ 📐	stow 🚽 🐂	🖌 📐		/ \			<u> </u>	atta atta
100 dBm													
				_	_		_		-				
CF 39.30006 GHz				6001	pts			300.0 M	Hz/			5	Span 3.0 GH
Result Summary						Nor	ne						
Channel		Bandy			0	ffset			ower				
Tx1 (Ref)		50.000						-22.9					
Tx2		50.000				340 MHz		-24.8					
Tx3 Tx4		50.000 50.000				340 MHz 340 MHz		-25.					
Tx4 Tx5		50.000				340 MHZ 340 MHZ		-26.					
Тхб		50.000				340 MHz		-26.2					
Tx7		50.000				340 MHz		-25.	LO dE	Im			
Tx8		50.000				340 MHz		-25.2					
Tx Total								-15.9	98 di	Im			
											,		04.03.2020
													17:02:5

17:02:58 04.03.2020

Plot 7-99. Antenna A EIRP Density Plot (50MHz BW 8CC NC 64QAM High Channel)



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Plot 7-100. Antenna A EIRP Density Plot (100MHz BW 8CC NC QPSK High Channel)

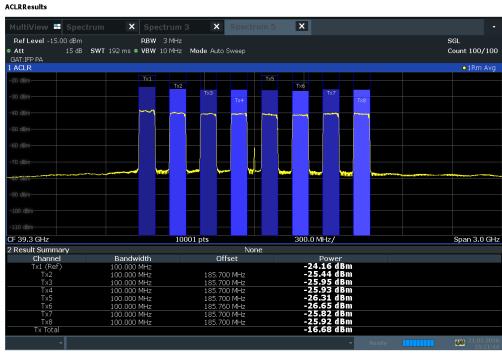
FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 75 of 256
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4ultiView 🎫 Spect	rum 🗙 Specti	um 3 🗙 Spe	ctrum 5 🛛 🗙			•
RefLevel -15.00 dBm	RBW 3	MHz				SGL
	SWT 192 ms • VBW 10	MHz Mode Auto Sweep				Count 100/10
AT:IFP PA ACLR						o t Dura Ave
	Tx1		Tx5			•1Rm Avç
	Ix1	Tx2	Tx6			
0 dBm		Tx3		Tx7		
		Tx4			Tx8	
	~	~		······		
0 dBm						
		The Association of the Associati	W Part Mathematic	-	-	
o dem						
90 dBm						
L10 dBm						
F 39.3 GHz		10001 pts	300	.0 MHz/		Span 3.0 GF
Result Summary			None			
Channel	Bandwidth	Offset		Power		
Tx1 (Ref) Tx2	100.000 MHz 100.000 MHz	185.700 MHz		24.17 dBm 25.28 dBm		
Tx3	100.000 MHz	185.700 MHz		25.76 dBm		
Tx4	100.000 MHz	185.700 MHz	-	25.89 dBm		
Tx5	100.000 MHz	185.700 MHz		26.21 dBm		
Тхб	100.000 MHz	185.760 MHz		26.56 dBm 25.82 dBm		
Tx7 Tx8	100.000 MHz 100.000 MHz	185.700 MHz 185.700 MHz		25.82 dBm 25.91 dBm		
Tx Total	100.000 MHz	103.700 MHZ		16.61 dBm		
					D du	 21.02.20
						LAI

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Plot 7-101. Antenna A EIRP Density Plot (100MHz BW 8CC NC 16QAM High Channel)



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Plot 7-102. Antenna A EIRP Density Plot (100MHz BW 8CC NC 64QAM High Channel)

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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7.3.2 Antenna B EIRP Density

Antenna	Bandwidth	Channel	CCs active	Modulation	Horn Angle	Horn Height	Turntable Azimuth	Analyzer Level	AFCL	Average e.i.r.p. PSD	PSD Limit	Margin
	[MHz]				[degrees]	[cm]	[degrees]	[dBm]	[dB/m]	[dBm/100MHz]	[dBm/100MHz]	[dB]
		Low	0	QPSK	45.0	141	9	-21.89	57.22	48.87	75.00	-29.14
	50	Low	0	16QAM	45.0	141	9	-21.85	57.22	48.91	75.00	-29.10
		Low	0	64QAM	45.0	141	9	-21.85	57.22	48.91	75.00	-29.10
		Low	0	QPSK	45.0	141	9	-18.30	57.22	49.45	75.00	-25.55
	100	Low	0	16QAM	45.0	141	9	-18.30	57.22	49.45	75.00	-25.55
		Low	0	64QAM	45.0	141	9	-18.31	57.22	49.44	75.00	-25.56
		Mid	4	QPSK	45.0	141	9	-21.97	57.17	48.74	75.00	-29.27
	50	Mid	4	16QAM	45.0	141	9	-22.01	57.17	48.70	75.00	-29.31
		Mid	4	64QAM	45.0	141	9	-21.99	57.17	48.72	75.00	-29.29
		Mid	4	QPSK	45.0	141	9	-19.04	57.17	48.66	75.00	-26.34
	100	Mid	4	16QAM	45.0	141	9	-19.08	57.17	48.62	75.00	-26.38
		Mid	4	64QAM	45.0	141	9	-19.10	57.17	48.60	75.00	-26.40
		High	7	QPSK	45.0	141	9	-22.19	58.95	50.30	75.00	-27.71
	50	High	7	16QAM	45.0	141	9	-22.21	58.95	50.28	75.00	-27.73
		High	7	64QAM	45.0	141	9	-22.20	58.95	50.29	75.00	-27.72
		High	7	QPSK	45.0	141	9	-19.38	58.95	50.10	75.00	-24.90
	100	High	7	16QAM	45.0	141	9	-19.24	58.95	50.24	75.00	-24.76
		High	7	64QAM	45.0	141	9	-19.22	58.95	50.26	75.00	-24.74
		Low	0-7	QPSK	45.0	141	9	-24.04	57.22	46.72	75.00	-31.29
	50	Low	0-7	16QAM	45.0	141	9	-24.07	57.22	46.69	75.00	-31.32
		Low	0-7	64QAM	45.0	141	9	-24.14	57.22	46.62	75.00	-31.39
		Low	0-7	QPSK	45.0	141	9	-24.37	57.22	43.38	75.00	-31.62
	100	Low	0-7	16QAM	45.0	141	9	-24.03	57.22	43.72	75.00	-31.28
		Low	0-7	64QAM	45.0	141	9	-23.99	57.22	43.76	75.00	-31.24
		Mid	0-7	QPSK	45.0	141	9	-23.46	57.17	47.25	75.00	-30.76
	50	Mid	0-7	16QAM	45.0	141	9	-23.46	57.17	47.25	75.00	-30.76
в		Mid	0-7	64QAM	45.0	141	9	-23.48	57.17	47.23	75.00	-30.78
5		Mid	0-7	QPSK	45.0	141	9	-23.52	57.17	44.18	75.00	-30.82
	100	Mid	0-7	16QAM	45.0	141	9	-23.61	57.17	44.09	75.00	-30.91
		Mid	0-7	64QAM	45.0	141	9	-23.27	57.17	44.43	75.00	-30.57
		High	0-7	QPSK	45.0	141	9	-24.14	58.95	48.35	75.00	-29.66
	50	High	0-7	16QAM	45.0	141	9	-24.25	58.95	48.24	75.00	-29.77
		High	0-7	64QAM	45.0	141	9	-24.27	58.95	48.22	75.00	-29.79
		High	0-7	QPSK	45.0	141	9	-23.84	58.95	45.64	75.00	-29.36
	100	High	0-7	16QAM	45.0	141	9	-24.03	58.95	45.45	75.00	-29.55
		High	0-7	64QAM	45.0	141	9	-23.88	58.95	45.60	75.00	-29.40
	50	Low	0-7(NC)	QPSK	45.0	141	9	-23.09	57.22	47.67	75.00	-30.34
	50	Low	0-7(NC)	16QAM	45.0	141	9	-23.26	57.22	47.50	75.00	-30.51
		Low	0-7(NC)	64QAM	45.0	141	9	-23.29	57.22	47.47	75.00	-30.54
	100	Low	0-7(NC)	QPSK 160AM	45.0	141	9 9	-22.78 -22.81	57.22	44.97 44.94	75.00	-30.03
	100	Low Low	0-7(NC) 0-7(NC)	16QAM 64QAM	45.0 45.0	141 141	9	-22.81	57.22 57.22	44.94	75.00 75.00	-30.06 -30.05
		Mid	0-7(NC)	QPSK	45.0	141	9	-22.80	57.17	44.95	75.00	-30.05
	50	Mid	0-7(NC)	16QAM	45.0	141	9	-23.72	57.17	46.99	75.00	-31.02
	50	Mid	0-7(NC) 0-7(NC)	64QAM	45.0 45.0	141	9	-23.70	57.17	47.01 47.00	75.00	-31.00 -31.01
			0-7(NC)				9					-31.01
	100	Mid	0-7(NC) 0-7(NC)	QPSK 16QAM	45.0 45.0	141 141	9	-23.46 -23.48	57.17 57.17	44.24 44.22	75.00 75.00	-30.76
	100	Mid Mid	0-7(NC) 0-7(NC)	64QAM	45.0	141	9	-23.48	57.17	44.22	75.00	-30.78
		High	0-7(NC)	QPSK	45.0	141	9	-23.55	58.95	49.35	75.00	-30.65
	50	High	0-7(NC)	16QAM	45.0	141	9	-23.14	58.95	49.38	75.00	-28.63
	50	High	0-7(NC) 0-7(NC)	64QAM	45.0	141	9	-23.11	58.95	49.36	75.00	-28.65
		High	0-7(NC)	QPSK	45.0	141	9	-23.13	58.95	49.56	75.00	-28.44
	100	High	0-7(NC)	16QAM	45.0	141	9	-22.92	58.95	46.49	75.00	-28.51
	100	High	0-7(NC)	64QAM	45.0	141	9	-22.99	58.95	46.49	75.00	-28.52
		Tilgit		ablo 7_8							10.00	20.02

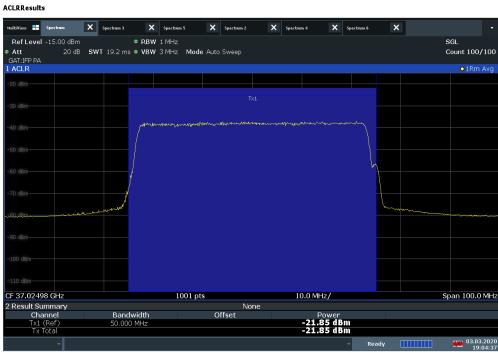
Table 7-8. Antenna B Power Density Summary Data

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Daga 77 of 256	
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MultiView	Spectrum	X Spectrum 3	×	Spectrum 5	×	Spectrum 2	×	Spectrum 4	×	Spectrum 6	×	•
Ref Level			● RBW									
Att GAT:IFP PA	20 dB	SWT 19.2 m	is e VBW	3 MHz M	ode Auto	Sweep						Count 100/100
I ACLR												●1Rm Avg
						Tx1						
-40 dBm			Ame	mphinageneally		Ny pana panana	ren an	equipe marine h				
											1	
			/									
-70 dBm												
		J									L.	
-80. dBm		harden and the										
-100 dBm												
CF 37.02498	3 GHz			1001	pts			10.0 Mł	Hz/			Span 100.0 MH
2 Result Sun						Non	e					
Char Tx1 (l	Ref)		dwidth)0 MHz		— o	ffset		-21.	^o ower 89 dBi	m		
Tx Ť	otal							-21.	89 dBi	m		
	~									▼ Meas	uring	03.03.202 03.03.202 03:1
9:03:18 03	03.2020											





19:04:37 03.03.2020

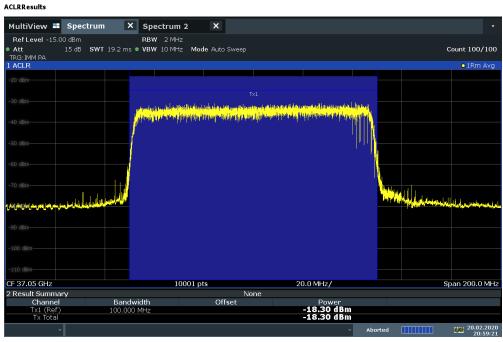
Plot 7-104. Antenna B EIRP Density Plot (50MHz BW 1CC 16QAM Low Channel)

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dega 70 of 256	
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Ref Level -1: Att GAT: IFP PA ACLR 20 dBm		SWT 10.2 mg	● RBW	1 MHz									
at:IFP PA	20 dB	SWT 10.2 mg		1 100 12									SGL
ACLR		301 15.2 118	s o VBW	3 MHz N	lode Auto	Sweep							Count 100/10
													o1Rm Av
U dBm													
30 dBm													
			pomen	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Personal Spectrum	Kyapatrana di Kabarang		ell-show when he		m			
										\ <mark>_</mark>			
										6			
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		1									1		
10. dBm	mun	-mar un to Mall										~~~~~	
37.02498 (100	1 pts			10.0 MF	lz/				Span 100.0 M
Result Sumr						None	е						
Chann Tx1 (Re		Band 50.000	lwidth 0 MHz		0	ffset		-21.8	ower 35 dBm				
Tx Tot								-21.8	85 dBm				
	~									Read	v 🚺		03.03.20 99 06:

Plot 7-105. Antenna B EIRP Density Plot (50MHz BW 1CC 64QAM Low Channel)



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Plot 7-106. Antenna B EIRP Density Plot (100MHz BW 1CC QPSK Low Channel)

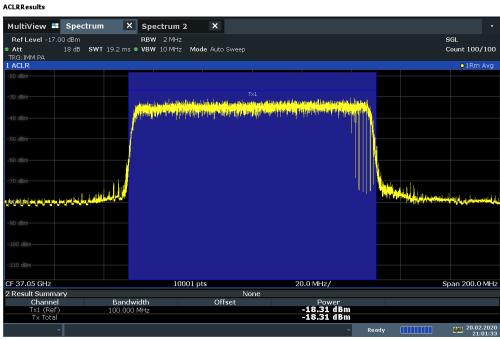
FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager						
Test Report S/N:	Test Dates:	EUT Type:	Dogo 70 of 256						
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2020 PCTEST V9.0 02/01/2019									



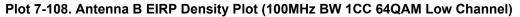
ACLRResults MultiView 📰 Spectrum × Spectrum 2 Ref Level -17.00 dBm RBW 2 MHz 18 dB SWT 19.2 ms • VBW 10 MHz Mode Auto Sweep Count 100/100 TRG: IMM PA o1Rm Avg ale yn y de i'r hanne y fydd yn fel fer y ferfan y genllaef y ar fyr fa Lan y Llyfel an ynaf yn ferfan y Mal far y Mal far y ferfan yn yn y y fyr y والمعاد فأراقدنا وبالمعار ومراجع المعربين إعترائه والعتراف sul (de l CF 37.05 GHz 10001 pts 20.0 MHz/ Span 200.0 MHz 2 Result Summary Channel None Bandwidth 100.000 MHz Offset Power -18.30 dBm -18.30 dBm ľx1 (Ref Tx Total Measuring... 20.02.2020 21:00:47

21:00:47 20.02.2020

Plot 7-107. Antenna B EIRP Density Plot (100MHz BW 1CC 16QAM Low Channel)

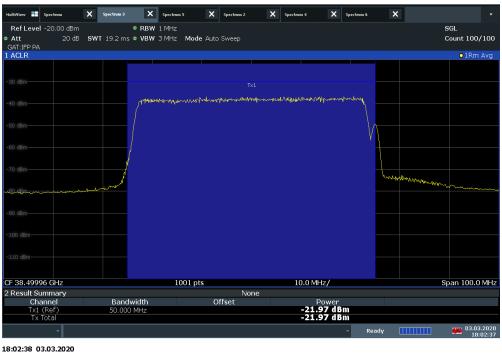


21:01:33 20.02.2020

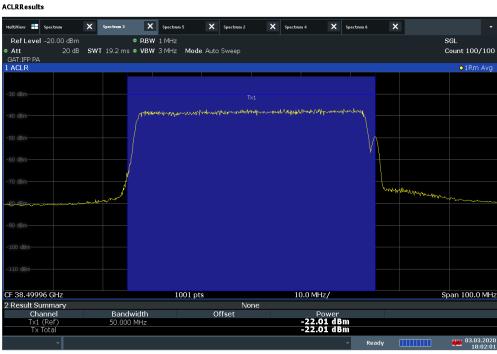


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18:02:01 03.03.2020

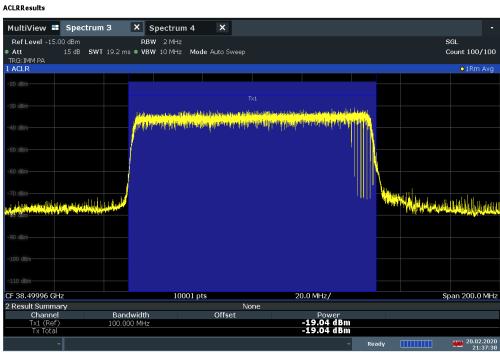
Plot 7-110. Antenna B EIRP Density Plot (50MHz BW 1CC 16QAM Mid Channel)

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Multi¥iew = Spectrum	X Spectrum 3	X Spectrum 5	X Spectrum 2	X Spectrum 4	X Spectrum 6	×	
Ref Level -20.00 dBm	1	• RBW 1 MHz					SGL
Att 20 dE	3 SWT 19.2 ms	• VBW 3 MHz N	lode Auto Sweep				Count 100/100
GAT:IFP PA LACLR							●1Rm Avg
AGEN							UTNII AVQ
-40 dBm		and the territory and a	www.www.www.www.www.	an	manpanhay		
50 dBm							
					\		
		1				<u>↓</u>	
	<i>f</i>					+	
	and a					montenting	mm
20-d8m	and the second						
100 dBm							
F 38.49996 GHz		100	1 pts	10.0 MF	17/		Span 100.0 MF
Result Summary		100	Nor				
Channel	Band		Offset	P	ower		
Tx1 (Ref) Tx Total	50.000	I MHZ		-21.9	99 dBm 99 dBm		
,						eady	03.03.202
							18:01:0
:01:01 03.03.2020							





21:37:38 20.02.2020

Plot 7-112. Antenna B EIRP Density Plot (100MHz BW 1CC QPSK Mid Channel)

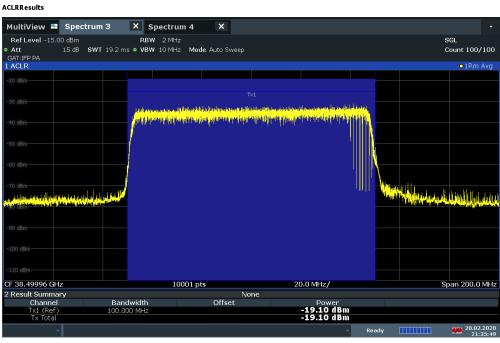
FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dege 92 of 256	
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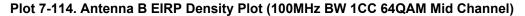
ACLRResults MultiView 💶 Spectrum 3 × Spectrum 4 Ref Level -15.00 dBm RBW 2 MHz Att
 GAT: IFP PA
 1 ACLR Count 100/100 15 dB SWT 19.2 ms • VBW 10 MHz Mode Auto Sweep o1Rm Ava n al ana sana ang ang ang ang dini kang dini di di ang ang ang ang ang ang dini dini di ang nd fi kana na njul povojih povo kan pana na na kana si kana ka North Astronomic and a state of the state of dan san alidar sa sada adalah ka THE R CF 38.49996 GHz 10001 pts 20.0 MHz/ Span 200.0 MHz 2 Result Summary None Bandwidth 100.000 MHz Power -19.08 dBm -19.08 dBm Channel Offset Tx1 (Ref Tx Total 20.02.2020



Plot 7-113. Antenna B EIRP Density Plot (100MHz BW 1CC 16QAM Mid Channel)



21:35:50 20.02.2020

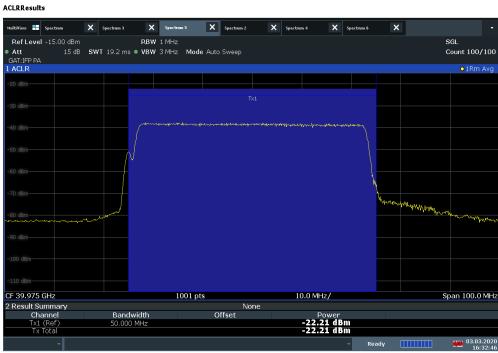


FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 02 of 250
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llti¥iew 📑 Spectrum	X Spectrum 3	×	Spectrum 5	X	Spectrum 2	×	Spectrum 4	×	Spectrum 6	×		
Ref Level -15.00 dBm		RBW 1	MHz									SGL
Att 15 dE	S₩T 19.2 m	s 🗢 VBW 3	8 MHz Mod	e Auto	Sweep							Count 100/10
AT:IFP PA ACLR												●1Rm Av
												011011
30 dBm												
10 dBm				man	espinanyaayina	- Mayanapat	Home way	- yhan a rogar	mony			
	/											
										No.		
										N		
	June 1									TONN	Mary My Mary	Maran Marana
0 dBm	- and a second and a second and a second a secon											and a second and a s
0 dBm												
- 39.975 GHz			1001 p	ts			10.0 Mł	Hz/				Span 100.0 M
Result Summary					Non	е						
Channel Tx1 (Ref)		lwidth 0 MHz		0	ffset		- 33	⁾ ower 19 dB r				
Tx Total	50.00						-22.	19 dBr	n			
*									▼ Re	eady		
												16:34:





16:32:46 03.03.2020

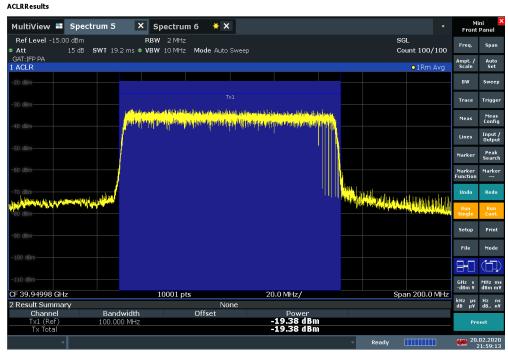
Plot 7-116. Antenna B EIRP Density Plot (50MHz BW 1CC 16QAM High Channel)

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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	X Spectrum 3	X Spectrum 5	Spectrum 2	X Spectrum 4	X Spectrum 6	×	
RefLevel -15.00 dBm		RBW 1 MHz					SGL
	SWT 19.2 ms 🗢	VBW 3 MHz N	lode Auto Sweep				Count 100/10
AT:IFP PA ACLR							•1Rm Av
							011111
		pantana ang pangang pangang pang pang pang p		and the second states of the second	mannen		
) dBm	[
	\wedge						
) dBm							
					\ \		
0 dBm					i i	1	
						Morrow	approximeters
	- met						hall have a
D dBm	and the second second						and marker
39.975 GHz		100	1 pts	10.0 M	Hz/		Span 100.0 M
Result Summary			No				
Channel	Bandwid		Offset		Power		
Tx1 (Ref)	50.000 MI	Ηz		-22.	20 dBm 20 dBm		
Tx Total				-22.			
						ady 🚺	03.03.20 16:33

Plot 7-117. Antenna B EIRP Density Plot (50MHz BW 1CC 64QAM High Channel)

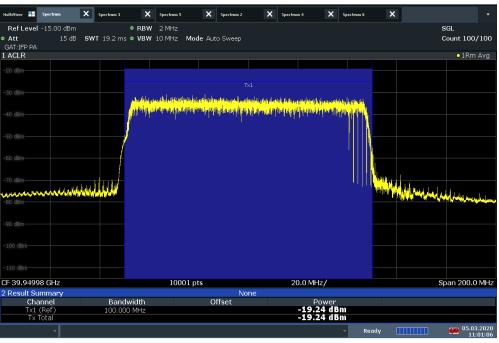


21:59:14 20.02.2020

Plot 7-118. Antenna B EIRP Density Plot (100MHz BW 1CC QPSK High Channel)

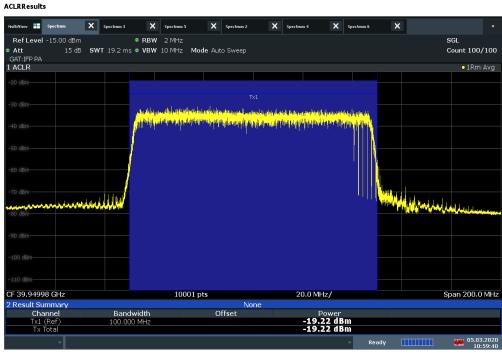
FCC ID: A3LAT1K02-A00	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 05 af 050
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11:01:06 05.03.2020

Plot 7-119. Antenna B EIRP Density Plot (100MHz BW 1CC 16QAM High Channel)



10:59:41 05.03.2020

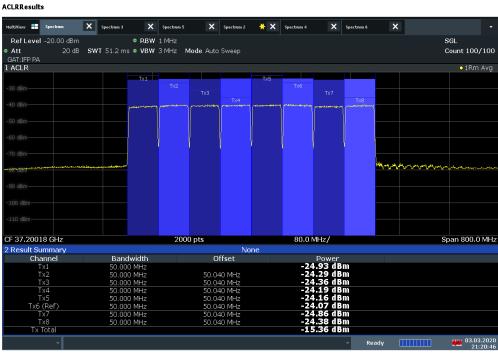
Plot 7-120. Antenna B EIRP Density Plot (100MHz BW 1CC 64QAM High Channel)

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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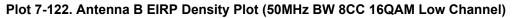


	Spectrum 3	×	Spectrum 5	×	Spectrum 2	<mark></mark> ★ ×	Spectrum 4	×	Spectrum 6	×		
Ref Level -20.00 dBm		RBW	1 MHz									SGL
	SWT 51.2 ms	s 🗢 VBW	3 MHz 🛛 N	iode Auto	Sweep							Count 100/1
AT:IFP PA												
ACLR												●1Rm A
		Tx1	Tx2			Tx5	Tx6					
) dBm					Tx4				Tx8			
										1		
) d8m				·				1				
										in a a		
Pidemin	and a state of the second									~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	they and good good good good good good good go	www.www.
00 dBm												
37.20018 GHz			2000) pts			80.01	MHz/				Span 800.0 M
Result Summary					Na	ne						
Channel		width		0	ffset			Power 1.90 dB				
Tx1 Tx2	50.000 50.000			50.0	40 MHz			1.90 dB				
Tx3	50.000				40 MHz			1.35 dB				
Tx4	50.000) MHz		50.0	40 MHz		-24	1.18 dB	m			
Tx5	50.000				40 MHz		-24	1.15 dB	m			
Tx6 (Ref) Tx7	<u>50.000</u> 50.000				40 MHz 40 MHz			1.04 dB				
Tx8	50.000				40 MHZ 40 MHz		-24	1.33 dB	m			
Tx Total				00.0			-1.	5.34 dB	m			
									- P(eady		03.03.2
										cour.		21:22





21:20:47 03.03.2020



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MultiView Spectrum	Spectrum 3	X Spectrum 5	X Spectrum 2	<mark></mark> ★ ×	Spectrum 4	×	Spectrum 6	×	,
Ref Level -20.00 dBm	-	RBW 1 MHz							SGL
Att 20 dB	SWT 51.2 ms (BW 3 MHz N	lode Auto Sweep						Count 100/10
GAT: IFP PA									
ACLR				_					• 1Rm Avg
		Tx1		Tx5	Tx6				
10 dBm							Tx8		
	r					and the second secon		1	
70 dBm									
Sordern								Mart Mart	and and the second an
100 dBm									
F 37.20018 GHz		200) pts		80.0 N	1Hz/			Span 800.0 M
Result Summary				lone					
Channel	Bandw		Offset			Power .98 dB			
T×1 T×2	50.000 i 50.000 i		50.040 MHz			.98 dB			
Tx3	50.000 1		50.040 MHz			38 dB			
Tx4	50.000	MHz	50.040 MHz		-24	.22 dB	m		
Tx5	50.000		50.040 MHz			.18 dB			
Tx6 (Ref) Tx7	50.000		50.040 MHz			.14 dB			
Tx8	50.000 I 50.000 I		50.040 MHz 50.040 MHz		-24	.48 dB	m		
Tx Total	30.0001		00.040401112			41 dB			
								ady	03.03.20
ľ ľ							RE	auy III	21:19:

21:19:03 03.03.2020

Plot 7-123. Antenna B EIRP Density Plot (50MHz BW 8CC 64QAM Low Channel)

ACLRResults × 关 🗙 Spectrum 5 X Spectrum 4 × RBW 3 MHz RefLevel -15.00 dBm SGL 15 dB SWT 103 ms • VBW 10 MHz Mode Auto Sweep Count 100/100 Att GAT:IFP PA 1 ACLR Tx7 CF 37.40007 GHz 10001 pts 160.0 MHz/ Span 1.6 GHz 2 Result Summary None Bandwidth Offset Channel Bandwidth 100.000 MHz -25.04 dBm -24.80 dBm -24.71 dBm -25.39 dBm -25.50 dBm -24.75 dBm -24.83 dBm -24.83 dBm Tx1 Tx2 Tx3 Tx4 Tx5 Tx6 Tx7 Tx8 (Ref) Tx Total 100.200 MHz -24.37 dBm -15.88 dBm

11:10:21 21.02.2020

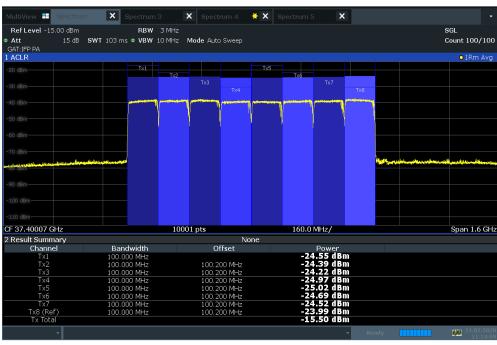
Plot 7-124. Antenna B EIRP Density Plot (100MHz BW 8CC QPSK Low Channel)

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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● Att 15 dB SWT 103 ms ● V GAT:IFP PA 1 ACLR	RBW 3 MHz VBW 10 MHz Mode Av	uto Sweep	Тх6 Тх7			SGL Count 100/100 • 1Rm Avg
GAT: IFP PA ACLR -20 dBm -30 dBm	Tx1	Tx5				
1 ACLR -20 dBm T	Tx2					●1Rm Avg
-20 dBm	Tx2					
-30 d8m	Tx2					
	Tx3					
-40 dBm						
-40 dBm-	in a second s			Tx8		
	1 N N					
-50 dBm						
-60 dBm						
-70 dBm						
and the state of the state of the state				Hilling	a orderes and the second states	
-90 dBm						
-100 dBm						
-110 dBm-						
	10001					
CF 37.40007 GHz 2 Result Summary	10001 pts	None	160.0 MHz/			Span 1.6 GHz
Channel Bandwid	lth	Offset	Power			
T×1 100.000 M		onset	-24.64 dB			
T×2 100.000 M		.200 MHz	-24.44 dB			
Tx3 100.000 M Tx4 100.000 M		.200 MHz .200 MHz	-24.30 dB -25.07 dB			
Tx5 100.000 M		.200 MHz .200 MHz	-25.15 dB	m		
Tx6 100.000 M	Hz 100	.200 MHz	-24.63 dB	m		
Tx7 100.000 M Tx8 (Ref) 100.000 M		.200 MHz	-24.53 dB -24.03 dB	m		
Tx8 (Ref) 100.000 M Tx Total	IN2 100	.200 MHz	-15.55 dB	m		
						21.02.2020
ľ – ľ				▼ Ready		11:12:16
1:12:17 21.02.2020						

Plot 7-125. Antenna B EIRP Density Plot (100MHz BW 8CC 16QAM Low Channel)



ACLRResults

11:14:10 21.02.2020

Plot 7-126. Antenna B EIRP Density Plot (100MHz BW 8CC 64QAM Low Channel)

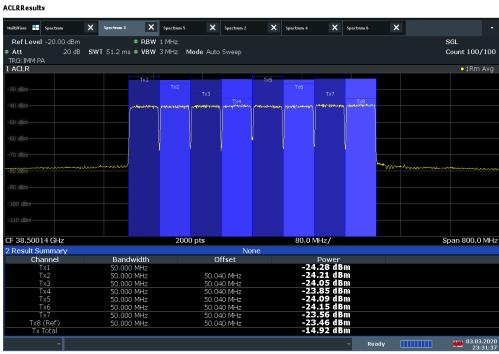
FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager					
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tulti¥iew Spectrum	X Spectrum 3	× Spectra	m 5 🗙	Spectrum 2	×	Spectrum 4	×	Spectrum 6	×	
Ref Level -20.00 dBm		• RBW 1 MHz								SGL
	SWT 51.2 ms	• VBW 3 MHz	Mode Auto	Sweep						Count 100/10
RG:IMM PA										●1Rm Avg
AGER		Tx1			Tx5					UNIT AV
30 dBm		TX								
		Markowan preserve	want wanter	Tx4	a provinsional surgery	Herebrowen	prover services	n phone Timperen	·	
				1				lí -		
	l									
							í .			
		l l								
70 dBm										
									man and a	
0 dBm	,								- www.	n
.00 dBm										
- 38.50014 GHz			:000 pts			80.0	MHz/			Span 800.0 M
Result Summary					one					
Channel Tx1	Band 50.000		C	ffset		- 3/	Power			
Tx2	50.000		50.0	40 MHz			1.16 dB			
Tx3	50.000			40 MHz		-23	3.98 dB	m		
Tx4	50.000			40 MHz			3.78 dB			
Tx5	50.000			40 MHz			1.04 dB			
Tx6 Tx7	<u>50.000</u> 50.000			40 MHz 40 MHz			1.12 dB 3.55 dB			
Tx8 (Ref)	50.000			40 MH2 40 MHz		-23	3.46 dB	m		
Tx Total				10 111 12			1.88 dB			
								- 04	and a month	03.03.20
								· RE	eady 🔜 🔤	23:34:

23:34:14 03.03.2020





23:31:37 03.03.2020

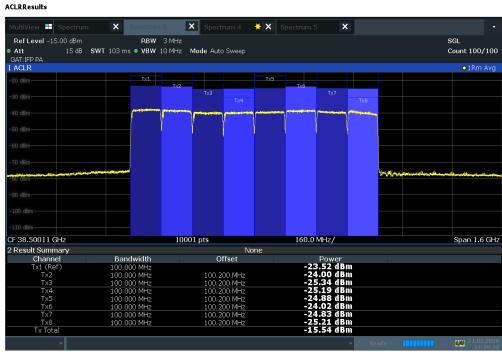
Plot 7-128. Antenna B EIRP Density Plot (50MHz BW 8CC 16QAM Mid Channel)

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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RefLevel -20.00 dBm		• RBW 1										SGL
Att 20 dB AT: IFP PA	SWT 51.2 ms	● ARM 3	MHZ N	/lode Auto	Sweep							Count 100/1
ACLR												o1Rm A
		Tx1				T×5						0 110111
) dBm												
		usharayasharayaa d	-	, any maker waite	Tx4	manustra	handharman	preservation and	Monatinguan			
	ſ				1							
	i											
								í .				
		ļ										
) dBm							ľ					
										-		
rdBm	maham									000	m	
) dBm												
00 dBm												
38.50014 GHz			200	0 pts			80.01	MHz/				Span 800.0 N
Result Summary					No	one						
Channel	Bandv			0	ffset			Power				
Tx1	50.000			F O 0				1.39 dB 1.29 dB				
Tx2 Tx3	50.000 50.000				40 MHz 40 MHz			4.29 ab 4.12 dB				
Tx4	50.000				40 MHz			3.95 dB				
Tx5	50.000				40 MHz		-24	1.15 dB	m			
Tx6	50.000				40 MHz			1.19 dB				
Tx7	50.000				40 MHz			3.59 dB 3.48 dB				
Tx8 (Ref) Tx Total	50.000	MHZ		50.04	40 MHz		-2.	1.98 dB	m			
TX TOTAL												02 02 2
									▼ Re	ady 📘		03.03.2 23:29

Plot 7-129. Antenna B EIRP Density Plot (50MHz BW 8CC 64QAM Mid Channel)



11:39:34 21.02.2020

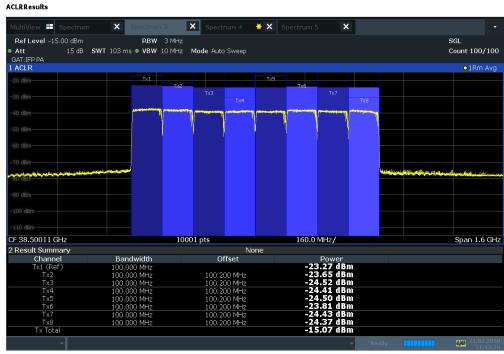
Plot 7-130. Antenna B EIRP Density Plot (100MHz BW 8CC QPSK Mid Channel)

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager	
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1ultiView 🗮 Spectrum		X Spectrum 4	关 🗙 Spectrun	n 5 🗙			
Ref Level -15.00 dBm	RBW 31						SGL
	SWT 103 ms • VBW 10 M	1Hz Mode Auto Sweep					Count 100/10
BAT: IFP PA ACLR							•1Rm Ave
							O IRM AV
	Tx1	Tx2	Tx5 Tx6				
30 dBm		Tx3		Tx7			
30 GBM					Tx8		
10 dBm	and the second		A the second state in the second state of the		And a state of the		
			1 N - 1	Y W	1		
				1	"		
70 dBm							
i i kan	and the second				a debut	adaptilities and the set of the set	
lo dem					No. No. of Concession, Name		an the Constant of the Street
100 dBm							
F 38.50011 GHz		10001 pts	160	.0 MHz/			Span 1.6 G
Result Summary			one	,			
Channel	Bandwidth	Offset		Power			
Tx1 (Ref)	100.000 MHz			23.61 dBm			
Tx2	100.000 MHz	100.200 MHz	-	23.99 dBm			
Tx3 Tx4	100.000 MHz 100.000 MHz	100.200 MHz 100.200 MHz		25.06 dBm 24.95 dBm			
Tx4 Tx5	100.000 MHz	100.200 MHz 100.200 MHz		24.95 dBm 24.92 dBm			
Тхб	100.000 MHz	100.200 MHz	-	24.14 dBm			
Tx7	100.000 MHz	100.200 MHz		24.81 dBm			
Tx8	100.000 MHz	100.200 MHz	-	24.90 dBm			
			-	15.49 dBm			
Tx Total							21.02.20

Plot 7-131. Antenna B EIRP Density Plot (100MHz BW 8CC 16QAM Mid Channel)



11:43:20 21.02.2020

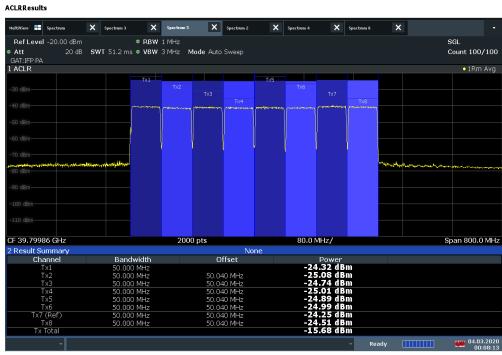
Plot 7-132. Antenna B EIRP Density Plot (100MHz BW 8CC 64QAM Mid Channel)

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 02 of 256
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	- 50										201
RefLevel -20.00 dBm		1 MHz									SGL
	SWT 51.2 ms • VBV	/3MHz №	lode Auto) Sweep							Count 100/1
AT:IFP PA ACLR											e 1 D 4
AGER										1	●1Rm A
	T×1	Tx2			Tx5	Tx6					
0 dBm											
								Tx8			
	propulsion and solved	a harring and	put up all your	1 (1	and a feature	1	~\		
) dBm											
) dBm				l I							
			ļ					1			
					1	8					
าการที่สาวอาการที่สำหรังการการที่	Nite man work with								MANAA	hho ha hhol	hamerman
) dBm									-	and March 1994	Mar Black Barlow Contraction
) dBm											
00 dBm											
		2000				00.01					
0 dBm 39.79986 GHz		2000) pts			80.0	MHz/				Span 800.0 N
10 dBm 39.79986 GHz Result Summary	Deschuide	2000		No	ne	80.0					Span 800.0 N
0 dam 39,79986 GHz Result Summary Channel	Bandwidth	2000		Nc Iffset	ne		Power	m			Span 800.0 N
0 d8m 39.79986 GHz Result Summary Channel Tx1	50.000 MHz	2000	. 0	lffset	ne	-24	Power	im			Span 800.0 N
0 dam 39,79986 GHz Result Summary Channel	50.000 MHz 50.000 MHz	2000	0 50.04	offset 40 MHz	ne	-24 -2!	Power 1.54 dB 5.14 dB	lm			Span 800.0 N
0 d8m 39,79986 GHz tesult Summary Channel Tx1 Tx2	50.000 MHz	2000	50.04 50.04	lffset	ne	-24 -2! -24	Power	lm Im			Span 800.0 N
0 d8m 39.79986 GHz tesult Summary Channel Tx1 Tx2 Tx3 Tx4 Tx5	50.000 MHz 50.000 MHz 50.000 MHz	2000	50.04 50.04 50.04	Iffset 40 MHz 40 MHz	ne	-24 -2! -24 -24 -24	Power 1.54 dB 5.14 dB 1.73 dB 1.92 dB 1.81 dB	im im im im			Span 800.0 M
10 dBm 39.79986 GHz Result Summary Channel Tx1 Tx2 Tx3 Tx4 Tx5 Tx6	50.000 MHz 50.000 MHz 50.000 MHz 50.000 MHz 50.000 MHz 50.000 MHz	2000	50.04 50.04 50.04 50.04 50.04 50.04	offset 40 MHz 40 MHz 40 MHz 40 MHz 40 MHz 40 MHz	ne	-24 -21 -24 -24 -24 -24	Power 1.54 dB 5.14 dB 1.73 dB 1.92 dB 1.81 dB 1.89 dB	im im im im im			Span 800.0 M
10 dlim 39,79986 GHz Result Summary Channel Tx1 Tx2 Tx3 Tx3 Tx4 Tx5 Tx6 Tx7 (Ref)	50.000 MHz 50.000 MHz 50.000 MHz 50.000 MHz 50.000 MHz 50.000 MHz 50.000 MHz	2000	50.04 50.04 50.04 50.04 50.04 50.04 50.04	0ffset 40 MHz 40 MHz 40 MHz 40 MHz 40 MHz 40 MHz 40 MHz	ne	-24 -21 -24 -24 -24 -24	Power 1.54 dB 5.14 dB 1.73 dB 1.92 dB 1.81 dB 1.89 dB 1.14 dB	im im im im im im			Span 800.0 N
10 dBm 39.79986 GHz Result Summary Channel Tx1 Tx2 Tx3 Tx4 Tx5 Tx6 Tx7 (Ref) Tx8	50.000 MHz 50.000 MHz 50.000 MHz 50.000 MHz 50.000 MHz 50.000 MHz	2000	50.04 50.04 50.04 50.04 50.04 50.04 50.04	offset 40 MHz 40 MHz 40 MHz 40 MHz 40 MHz 40 MHz	ne	-24 -21 -24 -24 -24 -24 -24 -24	Power 1.54 dB 5.14 dB 1.73 dB 1.92 dB 1.81 dB 1.89 dB 1.14 dB 1.14 dB	im im im im im im			Span 800.0 N
10 dbm 39.79986 GHz Result Summary Channel Tx1 Tx2 Tx3 Tx4 Tx5 Tx6 Tx7 (Ref)	50.000 MHz 50.000 MHz 50.000 MHz 50.000 MHz 50.000 MHz 50.000 MHz 50.000 MHz	2000	50.04 50.04 50.04 50.04 50.04 50.04 50.04	0ffset 40 MHz 40 MHz 40 MHz 40 MHz 40 MHz 40 MHz 40 MHz	ne	-24 -21 -24 -24 -24 -24 -24 -24	Power 1.54 dB 5.14 dB 1.73 dB 1.92 dB 1.81 dB 1.89 dB 1.14 dB	im im im im im im			Span 800.0 M

Plot 7-133. Antenna B EIRP Density Plot (50MHz BW 8CC QPSK High Channel)



00:08:14 04.03.2020

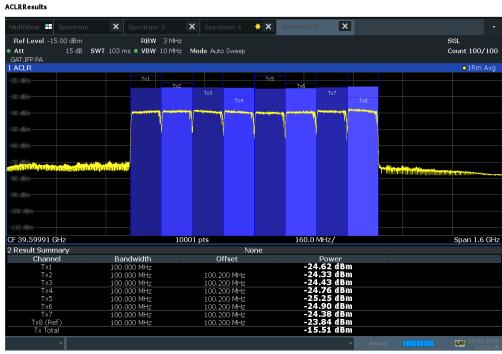
Plot 7-134. Antenna B EIRP Density Plot (50MHz BW 8CC 16QAM High Channel)

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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lti¥iew 🕂 Spectrum	X Spectrum 3	Spectrum 5	×	Spectrum 2	×	Spectrum 4	×	Spectrum 6	×		
Ref Level -20.00 dBm	RB\	1 MHz									SGL
Att 20 dB	SWT 51.2 ms • VBV	3 MHz N	lode Auto	Sweep							Count 100/10
AT:IFP PA											
ACLR											●1Rm Av
	Tx1				Tx5						
								Tx8			
		and have a fear the	- and a second s		persetpission and and			1	٦		
0 dBm											
)		v.						
0 dBm											
anneen aan an a	enter and a stability of the								and have been a	مراجع والمقادرين مروا والمستجاه	
10 dBm											
39.79986 GHz		200	0 pts			80.0	MHz /				Span 800.0 M
Result Summary		200	opea	Ni	one	00.0	*11 127				3pan 666.6 M
Channel	Bandwidth		0	ffset	JIC		Power				
Tx1 (Ref)	50.000 MHz		=				4.27 dB				
Tx2	50.000 MHz			40 MHz			5.04 dB				
Tx3	50.000 MHz			40 MHz			4.73 dB				
Tx4	50.000 MHz			40 MHz			5.01 dB				
Tx5	50.000 MHz			40 MHz			1.90 dB				
Тхб	50.000 MHz			40 MHz			5.02 dB				
Tx7	50.000 MHz			40 MHz			1.28 dB				
Tx8	50.000 MHz		50.04	40 MHz		-24	4.54 dB	m			
						-1	5.68 dB	m			
Tx Total											
Tx Total									eady 🚺		04.03.20 00:11

Plot 7-135. Antenna B EIRP Density Plot (50MHz BW 8CC 64QAM High Channel)



12:19:59 21.02.2020

Plot 7-136. Antenna B EIRP Density Plot (100MHz BW 8CC QPSK High Channel)

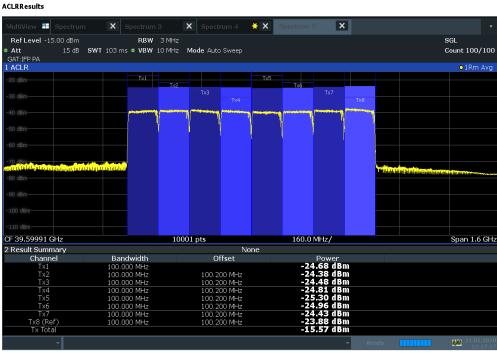
FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 04 of 050
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MultiView 🗮 Spectrum	X Spectrum 3	X Spectrum 4	X Spectrum 5 X	•
Ref Level -15.00 dBm	RBW 3M			SGL
	אד אד אד איז			Count 100/100
GAT:IFP PA	AN TOPINS - ADAM TOPM	nz Mode Auto Sweep		Count 1007 100
1 ACLR				●1Rm Avg
-20 d8m	T×1		Tx5	
20 4011		×2	Tx6	
				Tx8
-50 dBm				
-70 dBm	hter a Minato and a			A statistic and states and show the second se
-80 dBm				Philadelia and an and a statement of the
-100 dBm				
CF 39.59991 GHz		10001 pts	160.0 MHz/	Span 1.6 GHz
2 Result Summary		Nor	ne	
Channel	Bandwidth	Offset	Power	
Tx1	100.000 MHz		-24.88 dBm	
Tx2 Tx3	100.000 MHz 100.000 MHz	100.200 MHz 100.200 MHz	-24.61 dBm -24.73 dBm	
Tx3	100.000 MHz	100.200 MHz	-25.07 dBm	
Tx5	100.000 MHz	100.200 MHz	-25.54 dBm	
Тхб	100.000 MHz	100.200 MHz	-25.13 dBm	
Tx7 Tx8 (Ref)	100.000 MHz 100.000 MHz	100.200 MHz 100.200 MHz	-24.59 dBm -24.03 dBm	
Tx Total	100.000 MHZ	100.200 MHZ	-15.77 dBm	
				Ready 21.02.2020
~			· · · · · · · · · · · · · · · · · · ·	Ready 21.02.2020 12:14:12
0.000 00 00 0000				

12:14:13 21.02.2020

Plot 7-137. Antenna B EIRP Density Plot (100MHz BW 8CC 16QAM High Channel)



12:17:18 21.02.2020

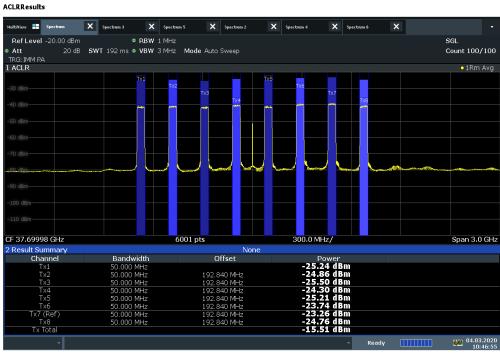
Plot 7-138. Antenna B EIRP Density Plot (100MHz BW 8CC 64QAM High Channel)

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage OF of 256
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	X Spectrum 3 X Spect		Spectrum 4	X Spectr		×	
Ref Level -20.00 dBm	 RBW 1 MHz 						SGL
	SWT 192 ms • VBW 3 MHz	Mode Auto Sweep					Count 100/10
RG:IMM PA							
ACLR							●1Rm Av
	TX1		Tx5				
	in the second	f			~		
0 dBm							
		TXS		TXZ			
0 dBm							
		Tx4			тхв		
						1994	
0.dRm		Summer State	Thursday and the state of the s	Transport	Reported	III Manual III Marian	and share a constitution of the second se
00 dBm							
10 dBm							
37.69998 GHz		6001 pts	300.0 MH;	z/			Span 3.0 G
Result Summary		None		-			
Channel	Bandwidth	Offset	Po	wer			
Tx1	50.000 MHz		-24.90	5 dBm			
Tx2	50.000 MHz	192.840 MHz	-24.6	LdBm			
Tx3	50.000 MHz	192.840 MHz	-25.00				
Tx4 Tx5	50.000 MHz 50.000 MHz	192.840 MHz 192.840 MHz	-24.0				
Tx6	50.000 MHz	192.840 MHz 192.840 MHz	-23.37	7 dBm			
Tx7 (Ref)	50.000 MHz	192.840 MHz	-23.09				
Tx8	50.000 MHz	192.840 MHz	-24.59	∂ dBm			
Tx Total			-15.24	4 dBm			
					Ready		04.03.2
							10:44

Plot 7-139. Antenna B EIRP Density Plot (50MHz BW 8CC NC QPSK Low Channel)



10:46:56 04.03.2020

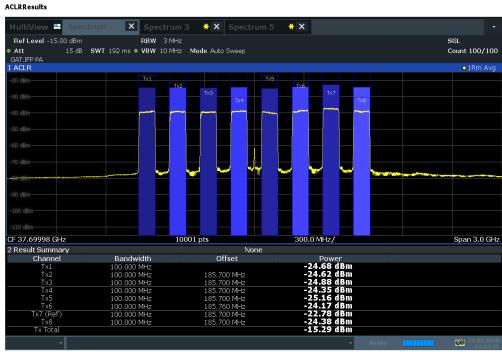
Plot 7-140. Antenna B EIRP Density Plot (50MHz BW 8CC NC 16QAM Low Channel)

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 06 of 256
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lti¥iew 📑 Spectrum	X Spectrum 3 X S	oectrum 5 X Spectr	um 2 🗙	Spectrum 4	X Spectrum	6 X	
Ref Level -20.00 dBm	• RBW 1 M	IHz					SGL
Att 20 dE	3 SWT 192 ms • VBW 3 M	IHz Mode Auto Swee	5				Count 100/10
RG:IMM PA							
ACLR							•1Rm Av
			T×5				
		Tx2		T×6			
		Tx3	4	T×	/ Tv8		
					1 		
0 dBm							
						attern a	
1 dAm		New West Control of Co			Some of	The party of the second	and a second
0 dBm							
37.69998 GHz		6001 pts		300.0 MHz/			Span 3.0 G
Result Summary			None				
Channel	Bandwidth	Offset		Pow			
Tx1 Tx2	50.000 MHz 50.000 MHz	192.840 M		-25.28			
Tx3	50.000 MHz	192.840 Mi 192.840 Mi		-25.53	dBm		
Tx4	50,000 MHz	192.840 M		-24.30			
Tx5	50.000 MHz	192.840 M	Ηz	-25.21	dBm		
Tx6	50.000 MHz	192.840 M		-23.73			
Tx7 (Ref)	50.000 MHz	192.840 M		-23.29 -24.81			
Tio	50.000 MHz	192.840 M	1Z	-24.81			
Tx8 Tx Total							
Tx8 Tx Total				-15.55		Ready 🔲	04.03.20

Plot 7-141. Antenna B EIRP Density Plot (50MHz BW 8CC NC 64QAM Low Channel)



12:33:32 21.02.2020

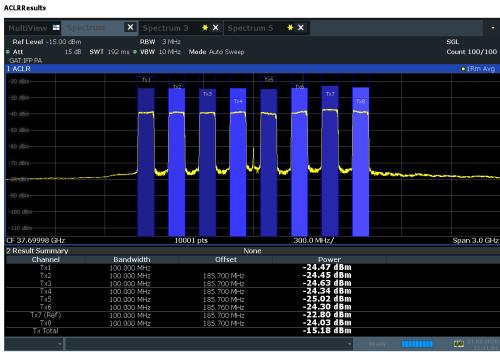
Plot 7-142. Antenna B EIRP Density Plot (100MHz BW 8CC NC QPSK Low Channel)

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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1ultiView 🖿 Speci			15 * X			
Ref Level -15.00 dBm	RBW 3 M					SGL
	SWT 192 ms • VBW 10 M	Hz Mode Auto Sweep				Count 100/10
BAT:IFP PA ACLR						
AULR						o1Rm Av
	Tx1	[x2	Tx5			
		Tx3	Tx7			
		Tx4		Tx8		
0 dBm	m premuno					
0 dBm						
3 dBm	The second s			Married Street	All the second states of the second	
00 dBm						
- 37.69998 GHz		10001 pts	300.0 MHz/			Span 3.0 G
Result Summary		None				
Channel	Bandwidth	Offset	Power			
Tx1	100.000 MHz		-24.48 dBm			
Tx2	100.000 MHz	185.700 MHz	-24.46 dBm			
Tx3	100.000 MHz	185.700 MHz	-24.67 dBm			
Tx4	100.000 MHz	185.700 MHz	-24.37 dBm			
Tx5	100.000 MHz	185.700 MHz	-25.05 dBm -24.32 dBm			
Tx6	100.000 MHz	185.760 MHz	-24.32 dBm -22.81 dBm			
Tx7 (Ref)	100.000 MHz	185.700 MHz	-22.81 dBm -24.06 dBm			
TVO	100.000 MHz	185.700 MHz	-15.20 dBm			
Tx8			-13.20 UDII			
Tx8 Tx Total						
			~			

Plot 7-143. Antenna B EIRP Density Plot (100MHz BW 8CC NC 16QAM Low Channel)



12:41:04 21.02.2020

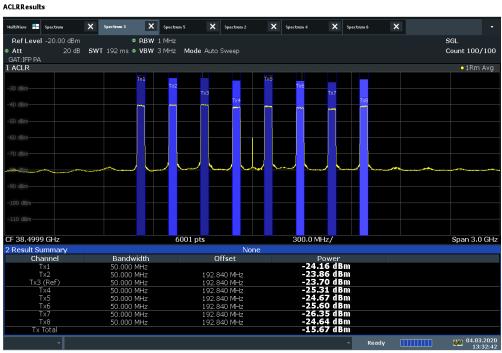
Plot 7-144. Antenna B EIRP Density Plot (100MHz BW 8CC NC 64QAM Low Channel)

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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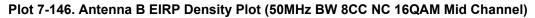


		Spectrum 5 🗙	Spectrum 2	X Spectrum 4	× Spect		×	
Ref Level -20.00 dBm	RBW 11							SGL
	SWT 192 ms 🗢 VBW 31	MHz Mode Auto	Sweep					Count 100/1
AT:IFP PA								i i i i i i i i i i i i i i i i i i i
ACLR								•1Rm Av
	Tx1			Tx5				
		Tx2 Tx3		T×6	Tx7			
		143	Tx4		102	тхв		
			 1	rm		_		
) dBm								
) dBm								
					_			
-dam				<u> </u>		· · · · ·		
) dBm								
00 dBm								
38.4999 GHz		6001 pts		300.01	MHz/			Span 3.0 (
Result Summary			None					
Channel	Bandwidth	C	ffset		Power			
Tx1	50.000 MHz				.12 dBm			
Tx2 Tx3 (Ref)	50.000 MHz		340 MHz	-23	.80 dBm .72 dBm			
Tx3 (Ker) Tx4	50.000 MHz 50.000 MHz		340 MHz 340 MHz		.72 a Bill .36 d Bm			
Tx5	50.000 MHz		340 MHz		.64 dBm			
Тхб	50.000 MHz		340 MHz		.67 dBm			
Tx7	50.000 MHz		340 MHz	-26	.33 dBm			
Tx8	50.000 MHz		340 MHz	-24	.57 dBm			
Tx Total				-15	.66 dBm			
					~	Ready		DXI 04.03.2
								13:24

Plot 7-145. Antenna B EIRP Density Plot (50MHz BW 8CC NC QPSK Mid Channel)



13:32:43 04.03.2020

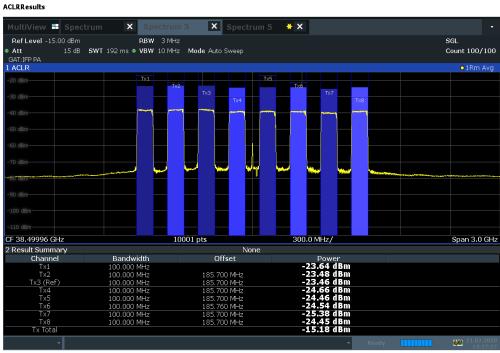


FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dogo 00 of 256	
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		ctrum 5 X Spectrum 2	X Spectrum 4 X Spectr	rum 6 🗙	
RefLevel -20.00 dBm	RBW 1 Mi				SGL
	SWT 192 ms • VBW 3 Mi	Iz Mode Auto Sweep			Count 100/10
AT:IFP PA					•1Rm Av
IGER					U INITA
	Tx1	*2	Tx6		
		Тх3	Tx7		
		Tx4		Tx8	
dam					~
00 dBm					
38.4999 GHz		6001 pts	300.0 MHz/		Span 3.0 0
esult Summary		None			
Channel	Bandwidth	Offset	Power		
Tx1 Tx2	50.000 MHz 50.000 MHz	192.840 MHz	-24.17 dBm -23.90 dBm		
Tx3 (Ref)	50.000 MHz	192.840 MHz	-23.71 dBm		
Tx4	50.000 MHz	192.840 MHz	-25.29 dBm		
Tx5	50.000 MHz	192.840 MHz	-24.70 dBm		
Tx6 Tx7	50.000 MHz	192.840 MHz	-25.58 dBm -26.38 dBm		
Tx7 Tx8	50.000 MHz 50.000 MHz	192.840 MHz 192.840 MHz	-26.38 dBm -24.69 dBm		
Tx Total	-30.000 Minz	192.040 MHZ	-15.69 dBm		
				Ready	04.03.2
			×	Ready Ready	13:40

Plot 7-147. Antenna B EIRP Density Plot (50MHz BW 8CC NC 64QAM Mid Channel)



13:27:27 21.02.2020

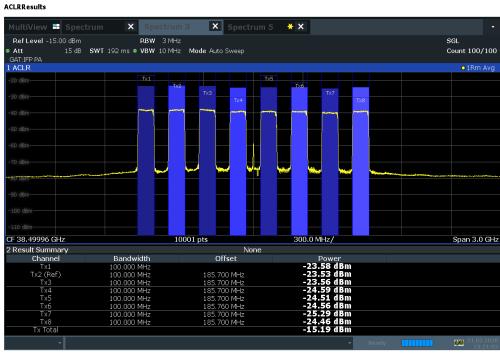
Plot 7-148. Antenna B EIRP Density Plot (100MHz BW 8CC NC QPSK Mid Channel)

FCC ID: A3LAT1K02-A00	PCTEST. Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager	
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RefLevel -15.00 dBm	RBW 3	MHz			SGL
	SWT 192 ms • VBW 10				Count 100/1
AT:IFP PA	5001 152 m3 C 000 10	Minz Mode Add Sweep			Count 100/ 1
ACLR					01Rm Av
0 dBm	Tx1		T×5		
		Tx2	Tx6		
) dBm		Tx3	Тх7		
		Tx4		Tx8	
			prosent provide a provide		
				Million and a second second second	
i dBM					
) dBm					
00 dBm					
		10001 pts	300.0 MHz/		Span 3.0 C
		10001 pts None	300.0 MHz/		Span 3.0 C
0 dBm 38.49996 GHz	Bandwidth		Power		Span 3.0 C
0 dBm 38.49996 GHz tesult Summary Channel Tx1	100.000 MHz	None Offset	Power -23.61 dBm		Span 3.0 C
0 dBm 38.49996 GHz tesult Summary Channel Tx1 Tx2	100.000 MHz 100.000 MHz	None Offset 185.700 MHz	Power -23.61 dBm -23.49 dBm		Span 3.0 C
0 48m 38.49996 GHz tesult Summary Channel Tx1 Tx2 Tx3 (Ref)	100.000 MHz 100.000 MHz 100.000 MHz	None Offset 185.700 MHz 185.700 MHz	Power -23.61 dBm -23.49 dBm -23.48 dBm		Span 3.0 C
0 48m 38.49996 GHz tesult Summary Channel Tx1 Tx2 Tx3 (Ref) Tx4	100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz	None Offset 185.700 MHz 185.700 MHz 185.700 MHz	Power -23.61 dBm -23.49 dBm -23.48 dBm -24.63 dBm		Span 3.0 0
0 48m 38.49996 GHz tesult Summary Channel Tx1 Tx2 Tx3 (Ref) Tx4 Tx5	100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz	None Offset 185.700 MHz 185.700 MHz 185.700 MHz 185.700 MHz	Power -23.61 dBm -23.49 dBm -23.48 dBm -24.63 dBm -24.47 dBm		Span 3.0 C
0 dBm 38.49996 GHz csult Summary Channel Tx1 Tx2 Tx3 (Ref) Tx5 Tx6	100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz	None Offset 185.700 MHz 185.700 MHz 185.700 MHz 185.700 MHz 185.760 MHz	Power -23.61 dBm -23.49 dBm -23.48 dBm -24.63 dBm -24.63 dBm -24.54 dBm		Span 3.0 C
0 dbm 38.49996 GHz Result Summary Channel Tx1 Tx2 Tx3 (Ref) Tx3 Tx5 Tx6 Tx5 Tx6 Tx7	100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz	None Offset 185.700 MHz 185.700 MHz 185.700 MHz 185.700 MHz 185.700 MHz 185.700 MHz	Power -23.61 dBm -23.49 dBm -23.48 dBm -24.63 dBm -24.47 dBm -24.54 dBm -25.35 dBm		Span 3.0 C
0 48m 38.49996 GHz Result Summary Channel Tx1 Tx2 Tx3 (Ref) Tx4 Tx5 Tx6 Tx7 Tx8	100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz	None Offset 185.700 MHz 185.700 MHz 185.700 MHz 185.700 MHz 185.760 MHz	Power -23.61 dBm -23.49 dBm -24.63 dBm -24.63 dBm -24.54 dBm -24.54 dBm -25.35 dBm -24.44 dBm		Span 3.0 C
0 dbm 38.49996 GHz Result Summary Channel Tx1 Tx2 Tx3 (Ref) Tx3 Tx5 Tx6 Tx5 Tx6 Tx7	100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz 100.000 MHz	None Offset 185.700 MHz 185.700 MHz 185.700 MHz 185.700 MHz 185.700 MHz 185.700 MHz	Power -23.61 dBm -23.49 dBm -23.48 dBm -24.63 dBm -24.47 dBm -24.54 dBm -25.35 dBm		Span 3.0 C

Plot 7-149. Antenna B EIRP Density Plot (100MHz BW 8CC NC 16QAM Mid Channel)



13:21:03 21.02.2020

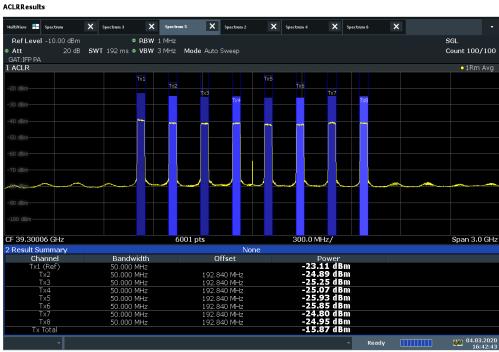
Plot 7-150. Antenna B EIRP Density Plot (100MHz BW 8CC NC 64QAM Mid Channel)

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 101 of 256
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tultiView 🗮 Spectrum 💙	Spectrum 3 X Spe	trum 5 X Spectrum 2	X Spectrum 4	× Spectro	im 6 🗙	
Ref Level -10.00 dBm	• RBW 1 MH	z				SGL
Att 20 dB S	WT 192 ms • VBW 3 MH	z Mode Auto Sweep				Count 100/10
GAT: IFP PA						
ACLR						•1Rm Avg
		2 Tx3	Tx6			
		Tx4			Tx8	
+0 dBm						
			r <mark>m</mark>	\sim		
Po-dBm	\sim					
- 39.30006 GHz		6001 pts) MHz/		Span 3.0 G
Result Summary		No	ne			
Channel Tx1 (Ref)	Bandwidth 50.000 MHz	Offset		Power 3.14 dBm		
Tx2	50.000 MHz	192.840 MHz		4.82 dBm		
Tx3	50.000 MHz	192.840 MHz	-2	5.24 dBm		
Tx4	50.000 MHz	192.840 MHz	-2	5.06 dBm		
Tx5	50.000 MHz	192.840 MHz	-2	5.86 dBm		
<u>Тхб</u> Тх7	50.000 MHz	192.840 MHz		5.84 dBm 4.81 dBm		
Tx8	50.000 MHz 50.000 MHz	192.840 MHz 192.840 MHz		4.91 dBm		
Tx Total	30.000 Min2	192.040 Miliz	-1	5.85 dBm		
					Deresto 🔲	04.03.20
Ť				÷.	Ready	04.03.20 04.03.20 16:49:
49:37 04.03.2020						

Plot 7-151. Antenna B EIRP Density Plot (50MHz BW 8CC NC QPSK High Channel)



16:42:43 04.03.2020

Plot 7-152. Antenna B EIRP Density Plot (50MHz BW 8CC NC 16QAM High Channel)

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager			
Test Report S/N:	Test Dates:	EUT Type:	Dage 102 of 256			
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