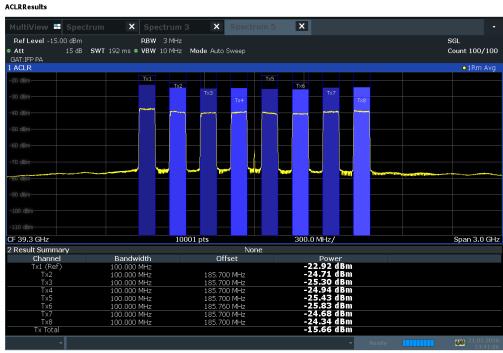


		Spectrum 5 🗙	Spectrum 2	Spectrum 4	× Spec	dam 0	×	
Ref Level -10.00 dBm	RBW 1	MHz						SGL
	SWT 192 ms • VBW 3	MHz Mode Auto	Sweep					Count 100/10
AT:IFP PA								
ACLR								●1Rm Av
		Tx2 Tx3		Tx6				
		142	Tx4		1.67	Tx8		
) dBm								
				<u>1</u>	\sim			
) dBm								
						_		
HRm							-	
) dBm								
39.30006 GHz		6001 pts		300.0 MHz	z/			Span 3.0 G
Result Summary			None					
Channel	Bandwidth	0	ffset		wer			
Tx1_(Ref)	50.000 MHz			-23.13				
Tx2 Tx3	50.000 MHz 50.000 MHz		40 MHz 40 MHz	-24.88 -25.24	s a BM			
Tx4	50.000 MHz		40 MHz	-25.03				
Tx5	50.000 MHz		40 MHz	-25.87	7 dBm			
Тхб	50.000 MHz		40 MHz	-25.83	3 dBm			
Tx7	50.000 MHz		40 MHz	-24.79				
Tx8 Tx Total	50.000 MHz	192.8	40 MHz	-24.91	dBm			
IX Iotal				-15.8:	5 a 6 M			_
					~	Ready		04.03.20 16:30

Plot 7-153. Antenna B EIRP Density Plot (50MHz BW 8CC NC 64QAM High Channel)



13:41:07 21.02.2020

Plot 7-154. Antenna B EIRP Density Plot (100MHz BW 8CC NC QPSK High Channel)

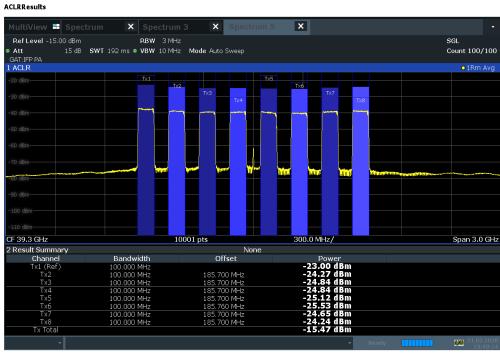
FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 102 of 256
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1ultiView 🎞 Spect	rum 🗙 Spec	:rum 3 🛛 🗙 S		×			-
Ref Level -15.00 dBm	RBW	3 MHz					SGL
Att 15 dB	SWT 192 ms • VBW 1	MHz Mode Auto Sw	еер				Count 100/10
AT:IFP PA							
ACLR							●1Rm Avç
	Tx1	Tx2	Tx5				
		Tx3		Tx6	Tx7		
			Tx4			Tx8	
0 dBm							
0 d8m							
						_	
U dBm				100 0000	NNN	Theory	
90 dBm							
						_	
= 39.3 GHz		10001 pts		300.0 MH	z/		Span 3.0 GF
Result Summary			None				
Channel	Bandwidth	Offse	t		wer		
Tx1 (Ref) Tx2	100.000 MHz 100.000 MHz	105 700 1	ai 1-		9 dBm 5 dBm		
Tx3	100.000 MHz	185.700 N 185.700 N		-24.3	6 dBm		
Tx4	100.000 MHz	185.700 N			0 dBm		
Tx5	100.000 MHz	185.700 N		-25.1	9 dBm		
Тхб	100.000 MHz	185.760 N	ИНZ	-25.6	0 dBm		
Tx7	100.000 MHz	185.700 N			6 dBm		
Tx8	100.000 MHz	185.700 N	/Hz	-24.2	5 dBm 2 dBm		
Tx Total				-15.5	z abm		m 21.02.20
							21.02.20

13:44:52 21.02.2020

Plot 7-155. Antenna B EIRP Density Plot (100MHz BW 8CC NC 16QAM High Channel)



13:49:15 21.02.2020

Plot 7-156. Antenna B 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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7.3.3 Antenna C 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	135.0	155	9	-22.66	57.22	48.10	75.00	-29.91
	50	Low	0	16QAM	135.0	155	9	-22.73	57.22	48.03	75.00	-29.98
		Low	0	64QAM	135.0	155	9	-22.66	57.22	48.10	75.00	-29.91
		Low	0	QPSK	135.0	155	9	-18.95	57.22	48.80	75.00	-26.20
	100	Low	0	16QAM	135.0	155	9	-18.94	57.22	48.81	75.00	-26.19
		Low	0	64QAM	135.0	155	9	-18.95	57.22	48.80	75.00	-26.20
		Mid	4	QPSK	135.0	155	9	-22.69	57.17	48.02	75.00	-29.99
	50	Mid	4	16QAM	135.0	155	9	-22.67	57.17	48.04	75.00	-29.97
		Mid	4	64QAM	135.0	155	9	-22.65	57.17	48.06	75.00	-29.95
		Mid	4	QPSK	135.0	155	9	-19.19	57.17	48.51	75.00	-26.49
	100	Mid	4	16QAM	135.0	155	9	-19.22	57.17	48.48	75.00	-26.52
		Mid	4	64QAM	135.0	155	9	-19.25	57.17	48.45	75.00	-26.55
		High	7	QPSK	135.0	155	9	-23.50	58.95	48.99	75.00	-29.02
	50	High	7	16QAM	135.0	155	9	-23.49	58.95	49.00	75.00	-29.01
		High	7	64QAM	135.0	155	9	-23.49	58.95	49.00	75.00	-29.01
		High	7	QPSK	135.0	155	9	-19.73	58.95	49.75	75.00	-25.25
	100	High	7	16QAM	135.0	155	9	-19.57	58.95	49.91	75.00	-25.09
		High	7	64QAM	135.0	155	9	-19.57	58.95	49.91	75.00	-25.09
		Low	0-7	QPSK	135.0	155	9	-24.81	57.22	45.95	75.00	-32.06
	50	Low	0-7	16QAM	135.0	155	9	-24.74	57.22	46.02	75.00	-31.99
		Low	0-7	64QAM	135.0	155	9	-24.81	57.22	45.95	75.00	-32.06
		Low	0-7	QPSK	135.0	155	9	-24.03	57.22	43.72	75.00	-31.28
	100	Low	0-7	16QAM	135.0	155	9	-24.02	57.22	43.73	75.00	-31.27
		Low	0-7	64QAM	135.0	155	9	-24.04	57.22	43.71	75.00	-31.29
		Mid	0-7	QPSK	135.0	155	9	-24.12	57.17	46.59	75.00	-31.42
	50	Mid	0-7	16QAM	135.0	155	9	-24.15	57.17	46.56	75.00	-31.45
~		Mid	0-7	64QAM	135.0	155	9	-24.16	57.17	46.55	75.00	-31.46
С		Mid	0-7	QPSK	135.0	155	9	-23.11	57.17	44.59	75.00	-30.41
	100	Mid	0-7	16QAM	135.0	155	9	-23.25	57.17	44.45	75.00	-30.55
		Mid	0-7	64QAM	135.0	155	9	-23.24	57.17	44.46	75.00	-30.54
		High	0-7	QPSK	135.0	155	9	-25.25	58.95	47.24	75.00	-30.77
	50	High	0-7	16QAM	135.0	155	9	-25.25	58.95	47.24	75.00	-30.77
		High	0-7	64QAM	135.0	155	9	-25.25	58.95	47.24	75.00	-30.77
		High	0-7	QPSK	135.0	155	9	-23.83	58.95	45.65	75.00	-29.35
	100	High	0-7	16QAM	135.0	155	9	-23.83	58.95	45.65	75.00	-29.35
		High	0-7	64QAM	135.0	155	9	-23.81	58.95	45.67	75.00	-29.33
		Low	0-7(NC)	QPSK	135.0	155	9	-23.92	57.22	46.84	75.00	-31.17
	50	Low	0-7(NC)	16QAM	135.0	155	9	-23.91	57.22	46.85	75.00	-31.16
		Low	0-7(NC)	64QAM	135.0	155	9	-23.93	57.22	46.83	75.00	-31.18
		Low	0-7(NC)	QPSK	135.0	155	9	-23.57	57.22	44.18	75.00	-30.82
	100	Low	0-7(NC)	16QAM	135.0	155	9	-23.55	57.22	44.20	75.00	-30.80
		Low	0-7(NC)	64QAM	135.0	155	9	-23.61	57.22	44.14	75.00	-30.86
		Mid	0-7(NC)	QPSK	135.0	155	9	-23.98	57.17	46.73	75.00	-31.28
	50	Mid	0-7(NC)	16QAM	135.0	155	9	-24.03	57.17	46.68	75.00	-31.33
		Mid	0-7(NC)	64QAM	135.0	155	9	-24.05	57.17	46.66	75.00	-31.35
		Mid	0-7(NC)	QPSK	135.0	155	9	-24.07	57.17	43.63	75.00	-31.37
	100	Mid	0-7(NC)	16QAM	135.0	155	9	-24.15	57.17	43.55	75.00	-31.45
		Mid	0-7(NC)	64QAM	135.0	155	9	-24.15	57.17	43.55	75.00	-31.45
		High	0-7(NC)	QPSK	135.0	155	9	-23.72	58.95	48.77	75.00	-29.24
	50	High	0-7(NC)	16QAM	135.0	155	9	-23.74	58.95	48.75	75.00	-29.26
		High	0-7(NC)	64QAM	135.0	155	9	-23.73	58.95	48.76	75.00	-29.25
		High	0-7(NC)	QPSK	135.0	155	9	-23.17	58.95	46.31	75.00	-28.69
	100	High	0-7(NC)	16QAM	135.0	155	9	-23.35	58.95	46.13	75.00	-28.87

Table 7-9. Antenna C Power Density Summary Data

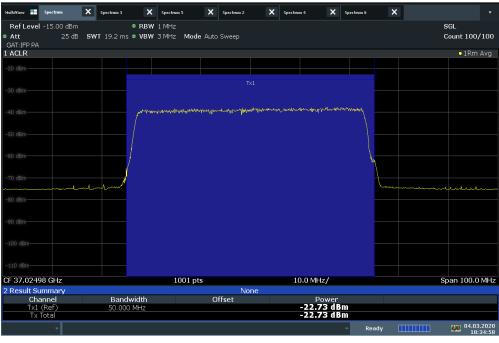
FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 105 of 256
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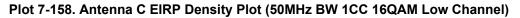
ulti¥iew Spectrum	Spectrum 3	X Spectrum 5	X Spectrum 2	Spectrum 4	X Spectrum 6	×	
RefLevel -15.00 dBm Att 20 dB AT:IFP PA		RBW 1 MHz VBW 3 MHz M	lode Auto Sweep				SGL Count 100/10
ACLR							•1Rm Avg
		Alter and a second and a second	weedfalleling, redfail-dinanal/distance	and and a second se	m		
	/						
0 dBm	/				h		
	ſ						
LdBm	en and the second second						
					_		
10 dBm							
37.02498 GHz		100	l pts	10.0 MHz			Span 100.0 M
Result Summary		100.	Non				
Channel	Bandwi		Offset	Po	wer		
Tx1 (Ref) Tx Total	50.000 N	MHz		-22.66	5 dBm 5 dBm		
						y	03.03.20

19:19:24 03.03.2020

Plot 7-157. Antenna C EIRP Density Plot (50MHz BW 1CC QPSK Low Channel) ACLRResults



18:34:59 04.03.2020

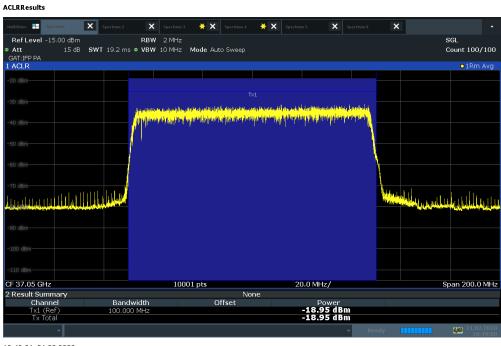


FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 106 of 256
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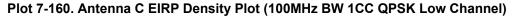


ultiView 📑	ipectrum	× si	ectrum 3	×	Spectrum 5	×	Spectrum 2	×	Spectrum 4	×	Spectrum 6	>	<	
Ref Level	15.00 dBm			RBW	1 MHz									SGL
Att	20 dB	S₩T	19.2 ms	● VBW	3 MHz 🛛	Mode Auto	Sweep							Count 100/1
GAT: IFP PA														o1Rm A
30 dBm														
				Man	man	and the second	approximents	the second	equipment					
												. —		
												h		
												` \		
			J											
			1											
n_dRm		www	and a start									<u> </u>	~~~~~	
37.02498					100	1 pts			10.0 M	Hz/				Span 100.0 N
Result Sun			_				Non	ie		_				
Char Tx1 (Bandv 50.000			0	ffset		-22.	⊃ower 66 dB	m			
Tx To	otal		00.000						-22.	66 dB 66 dB	m			
	-											eady		63.03.2 03.03.2
	~										▼ R	eady		





18:49:01 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:	Dage 107 of 256
8K19110701-01.A3L	02/18/2020-03/06/2020	5G Access Unit	Page 107 of 356
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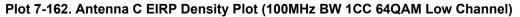
Ref Level -15.00 dBm	RBW 2 MHz 19.2 ms • VBW 10 MHz		¥ 🗙 Spectrum 5 🗙	Spectrum 6		• SGL Count 100/100
1 ACLR						●1Rm Avg
-20 dBm						
-30 dBm	Lather book drawed	Nalih mbalahara jarah para data data	sali, ya kisu mulanda dahar kamar kuru dia k	Albaha ang ng		
-40 dBm	, <mark>navita (</mark> internet)	here water the state of the sta	o ^r ayi)), eqelateri diyaraya operati			
-50 dBm-						
-60 dBm						
-70 d8m						
abaatumaahaahhhhhhhhhhhhh						
-90 dBm						
-100 dBm-						
-110 dBm						
CF 37.05 GHz	10	001 pts	20.0 MHz/		S	pan 200.0 MHz
2 Result Summary Channel	Bandwidth	Nor Offset	ne Power			
Tx1 (Ref)	100.000 MHz	Oliset	-18.94 di	Bm		
Tx Total			-18.94 dl			21 02 2200
*				👻 Ready		21.02.2020 18:49:45

18:49:45 21.02.2020

Plot 7-161. Antenna C EIRP Density Plot (100MHz BW 1CC 16QAM Low Channel)

ACLRResults × 💥 🗙 <mark></mark>★ × × Ref Level -15.00 dBm 00 dBm **RBW** 2 MHz 15 dB **SWT** 19.2 ms ● **VBW** 10 MHz **Mode** Auto Sweep SGL Att Count 100/100 GAT:IFP PA o1Rm Avg adama dama di and a phone of possible does a party phone is provide the standing of the standard of the standard and the standards CF 37.05 GHz 10001 pts 20.0 MHz/ Span 200.0 MHz 2 Result Summary Channel None Bandwidth 100.000 MHz Offset Power -18.95 dBm -18.95 dBm fx1 (Ref) Tx Total

18:50:22 21.02.2020



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:		Dega 109 of 256	
8K19110701-01.A3L	02/18/2020-03/06/2020	5G Access Unit		Page 108 of 356	
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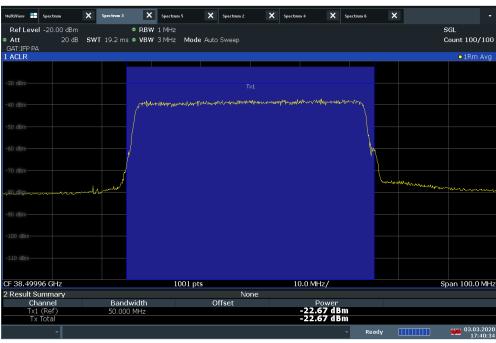


Multi¥iew 📑	Spectrum	×	Spectrum 3	×	Spectrum 5	×	Spectrum 2	×	Spectrum 4	×	pectrum 6	×			•
Ref Level	-20.00 dBm		_	RBW	1 MHz									SGL	
Att	20 dB	S₩T	19.2 ms	• VBW	3 MHz M	ode Auto	Sweep							Count 100	0/100
GAT: IFP PA														○ 1Rr	n Ava
															i nig
-40 dBm				mple	Manuerale	wywww	namumm	humana waka	Manalan m	harment	m				
											M	1			
			1												
			/												
-80 d8m			and the second									man	howwhen	mum	mm
-90 dBm															
CF 38.4999					1001	pts			10.0 MH	lz/				Span 100.	0 MHz
2 Result Su							Non	е							
Cha Tx1			Bandv 50.000			—— c	ffset		– – – – – – – – – – – – – – – – – – –	ower 59 dBm					
Tx T	otal			1-11-16					-22.6	59 dBm 59 dBm					
											Rea	ady [990 03.0	03.2020 7:42:51

17:42:51 03.03.2020

ACLRResults

Plot 7-163. Antenna C EIRP Density Plot (50MHz BW 1CC QPSK Mid Channel)



17:40:34 03.03.2020

Plot 7-164. Antenna C EIRP Density Plot (50MHz BW 1CC 16QAM 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:		Dogo 100 of 256
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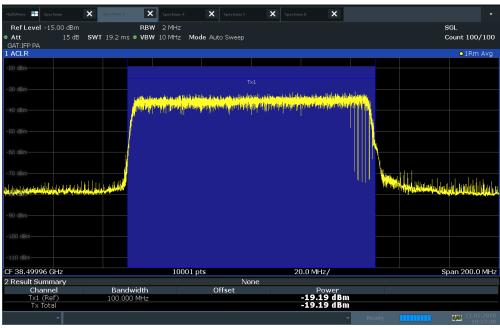


Multi¥iew	Spectrum	X Spectrum	з Х	Spectrum 5	×	Spectrum 2	×	Spectrum 4	X	Spectrum 6	×		•
Ref Level Att GAT: IFP PA	-20.00 dBm 20 dB	SWT 19.2	● RBW ms ● VBW		ode Auto	o Sweep							SGL Count 100/100
1 ACLR			_								_		o1Rm Avg
-30 dBm													
-40 dBm			(pulpla	ritheyr yn arwedyd	a freedown a	ender-nerenderenter-ete	nges-granggier	physion (and a second shall)	har-mearth	may			
-60 dBm											m		
-70 dBm		- Arman	/									mannaan	m Maringer Lange
-90 dBm													
-110 dBm													
CF 38.4999				1001	pts			10.0 MH	z/				Span 100.0 MHz
2 Result Su	mmary nnel	Ba	ndwidth			Non Non	e	D	ower				
Tx1	(Ref) otal		000 MHz			ATSEC		-22.6	i5 dBn i5 dBn	n n			
	~									₹ R€	eady		03.03.2020 17:39:36

17:39:37 03.03.2020

ACLRResults

Plot 7-165. Antenna C EIRP Density Plot (50MHz BW 1CC 64QAM Mid Channel)

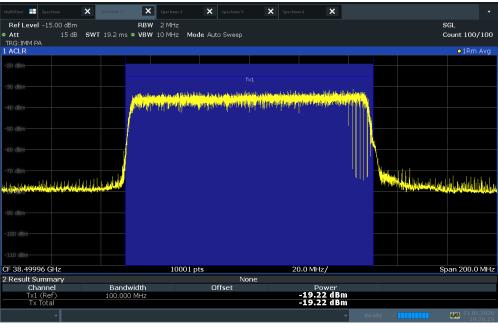


19:27:39 21.02.2020

Plot 7-166. Antenna C EIRP Density Plot (100MHz BW 1CC QPSK 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 110 of 256
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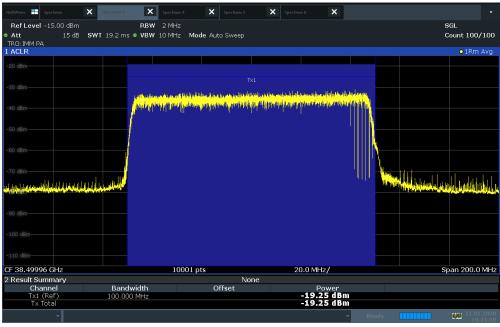




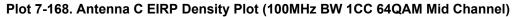
19:26:24 21.02.2020

Plot 7-167. Antenna C EIRP Density Plot (100MHz BW 1CC 16QAM Mid Channel)

ACLRResults



19:25:59 21.02.2020

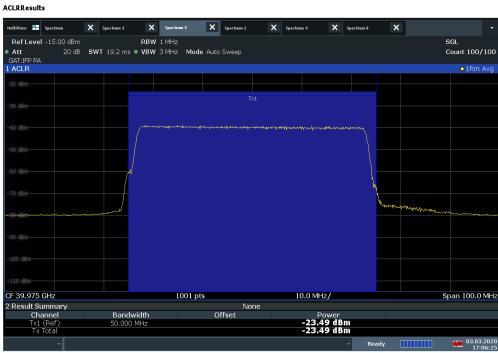


FCC ID: A3LAT1K02-A00	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 444 af 250
8K19110701-01.A3L	02/18/2020-03/06/2020	5G Access Unit		Page 111 of 356
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ulti¥iew Spectrum	X Spectrum 3	×	Spectrum 5	X	Spectrum 2	×	Spectrum 4	×	Spectrum 6	×		
Ref Level -15.00 dBm		RBW 1	MHz	_								SGL
Att 20 dE	S₩T 19.2 m	s = VBW 3	MHz Mode	e Auto	Sweep							Count 100/10
BAT:IFP PA ACLR												●1Rm Av
30 dBm												
					entrante particular	-hap-my-ah	Howard	nghanging	and and share			
	(r								۱ ——		
										k,		
										l.		
38-dBm	Manna									. Annalla	mummer	· ·····
F 39.975 GHz			1001 pt	S			10.0 MH	lz/				Span 100.0 M
Result Summary					None	e		_				
Channel Tx1 (Ref)		dwidth 0 MHz		- 01	fset		-23	ower 50 dB	m			
Tx Total	00.00						-23.	50 dB 50 dB	m			
~										eady		03.03.20 6 6 6 17:1 1





17:06:25 03.03.2020

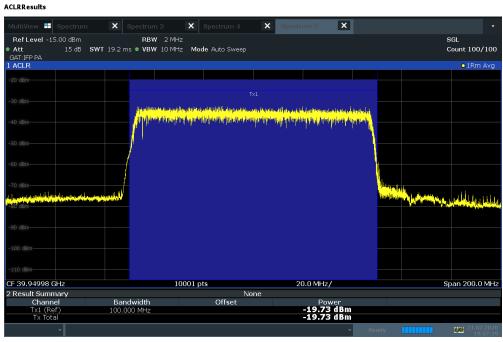
Plot 7-170. Antenna C EIRP Density Plot (50MHz BW 1CC 16QAM High Channel)

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dega 112 of 256
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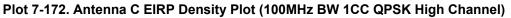


ulti¥iew 🗕 Spectrum	× Spec	ctrum 3	×	Spectrum 5	×	Spectrum 2	×	Spectrum 4	×	Spectrum 6	×		
Ref Level -15.00 dBm			R₿₩										SGL
Att 20 dB	SWT 1	9.2 ms 🖷	VBW	3 MHz N	/lode Auto	Sweep							Count 100/10
GAT: IFP PA ACLR													•1Rm Av
20 dBm													
						Tx							
					malestan	and and a start of the start of	manganga	Manderson	n-ightenik k-age	many			
50 dBm													
		1											
										1	h.		
98 49m		l									more	manner	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
ou asm													
90 dBm													
											_		
F 39.975 GHz				100	1 pts			10.0 M	Hz/				Span 100.0 M
Result Summary Channel		Bandwi	-141-			Nor ffset	ne		Power				
Tx1 (Ref)		50.000 N			U	nset		-23.	-ower 49 dBi	n			
Tx Total		0010001						-23.	49 dBi	n			
~										⇒ Re	eady		03.03.20 03.03.20 17:04:
													1/101

Plot 7-171. Antenna C EIRP Density Plot (50MHz BW 1CC 64QAM High Channel)

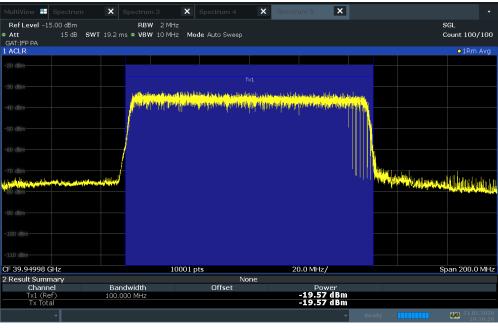


19:37:40 21.02.2020



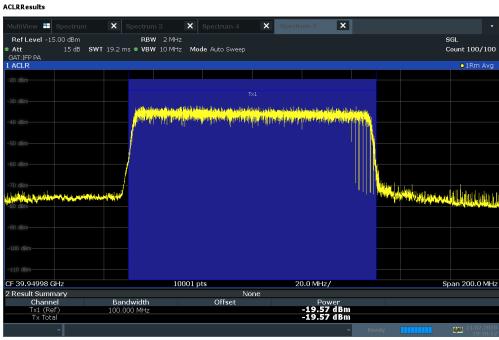
FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 112 of 256
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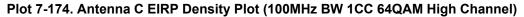


19:38:21 21.02.2020

Plot 7-173. Antenna C EIRP Density Plot (100MHz BW 1CC 16QAM High Channel)



19:38:52 21.02.2020

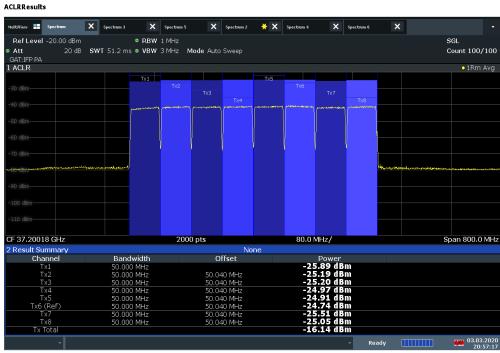


FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dego 111 of 256
8K19110701-01.A3L	02/18/2020-03/06/2020	5G Access Unit		Page 114 of 356
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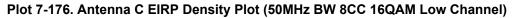


	Spectrum 3	×	Spectrum 5	×	Spectrum 2	<mark></mark> ★ ×	Spectrum 4	×	Spectrum 6	×		
Ref Level -20.00 dBm		RBW	1 MHz									SGL
	SWT 51.2 ms	s 🗢 VBW	3 MHz 🛛 🛛	Mode Auto	Sweep							Count 100/1
AT:IFP PA												
ACLR			_								1	●1Rm Av
		Tx1	Tx2			Tx5	Tx6					
) dBm												
			and the second second			[and the second part of the secon	1	1		
								(
) dBm				1	(
and the second sec	in a superior of the second									Hundersed	فيعموه لويدو وماروم والجادياه	
00 dBm												
37.20018 GHz			200	0 pts			80.0	MHz/				Span 800.0 M
Result Summary					No	ne						
Channel Tx1	Band 50.000	lwidth		0	ffset			Power 5.93 dB				
Tx2	50.000			50 A	40 MHz			5.23 dB				
Tx3	50.000				40 MHz		-2.	5.24 dB	lm			
Tx4	50.000				40 MHz			5.02 dB				
Tx5	50.000				40 MHz			4.96 dB 4.81 dB				
Tx6 (Ref) Tx7	<u>50.000</u> 50.000				40 MHz 40 MHz			1.61 UB 5.58 dB				
Tx8	50.000				40 MHz		-2!	5.11 dB	lm			
Tx Total							-10	5.19 dB	im 👘			
									⇒ R	eady		03.03.2
												21:04





20:57:18 03.03.2020

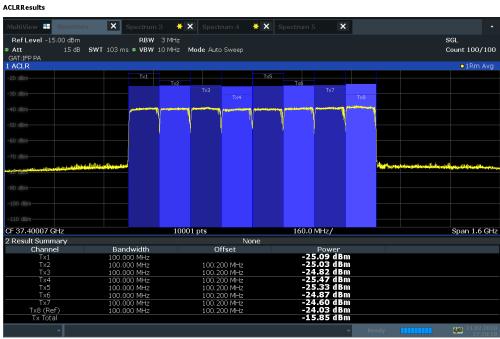


FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 115 of 256
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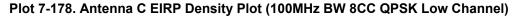


			Spectrum 2 🛛 🔆 🗙	Spectrum 4	×	Spectrum 6	×		
Ref Level -20.00 dBm	● RB₩ ±								SGL
	SWT 51.2 ms • VBW 3	3 MHz Mode Auto	Sweep						Count 100/10
BAT:IFP PA ACLR									●1Rm Av
AGER			Tx5						UTRITAV
30 dBm	Tx1	Tx2	1×5	Tx6					
10 dBm			Tx4			Tx8			
	[J		1		
i0 dBm					_				
ويلوا المادية والمحمد و	and the second						u		
OrdBhrows and the grant and the	dan ay ngangka ng kagalaga ng k						Hillion and the descent	anishing substationed	Marrie andraiblation and
0 dBm									
L10 dBm									
37.20018 GHz		2000 pts	• •	80.01	MHZ/				Span 800.0 M
Result Summary Channel	Bandwidth	Of	None fset		Power				
Tx1	50.000 MHz	01	ISEL	-25	5.95 dB	m			
Tx2	50.000 MHz	50.04		-25	5.21 dB	m			
Tx3	50.000 MHz	50.04			5.22 dB				
Tx4 Tx5	50.000 MHz 50.000 MHz	50.04 50.04			5.00 dB 1.94 dB				
Tx6 (Ref)	50.000 MHz	50.04 50.04			.94 dB				
Tx7	50.000 MHz	50.04	0 MHz	-25	5.62 dB	m			
Tx8	50.000 MHz	50.04	0 MHz	-25	5.17 dB	m			
Tx Total				-16	5.19 dB	m			
							ady 🚺		03.03.20 20:55

Plot 7-177. Antenna C EIRP Density Plot (50MHz BW 8CC 64QAM Low Channel)



17:20:11 21.02.2020



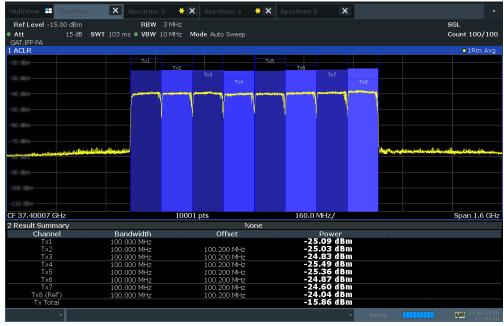
FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 440 of 250
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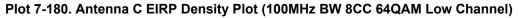
AultiView 📑 Spectrum	Spectrum 3		n 4 🕇 🗙		5 ×			SGL
	כ האשרא SWT 103 ms © VBW 10							Count 100/10
GAT: IFP PA	3441 103 HIS - 4044 10	MINZ MODE AUTO ST	меер					Count 100/10
ACLR								o1Rm Av
	Tx1		Tx5					
		Tx2 Tx3		Tx6	Tx7			
						Tx8		
+O dBm								
		N Y	Ŋ	1	(N	1		
70 dBm	and a start						6	A. A
وأوطينا أرارا ومارتك بالمصيحا باللادم والكلابان ويردف							high the production providence in	ulitiker (Miligite Alfeleter)
- 37.40007 GHz		10001 pts		160.0	MHz/			Span 1.6 G
Result Summary Channel	Bandwidth	Offs	None		Power			
Tx1	100.000 MHz	Olis	et	-2!	5.07 dBn			
Tx2	100.000 MHz	100.200			5.01 dBn			
Tx3	100.000 MHz	100.200			.80 dBn			
Tx4	100.000 MHz	100.200			5.46 dBn 5.32 dBn			
Tx5 Tx6	100.000 MHz 100.000 MHz	100.200 100.200			1.85 dBn			
Tx7	100.000 MHz	100.200			.58 dBn			
Tx8 (Ref)	100.000 MHz	100.200			.02 dBn			
Tx Total	100.000 MI12	100.200	11112		5.84 dBn			
+						- Rea	dy	21.02.20
								17:18

Plot 7-179. Antenna C EIRP Density Plot (100MHz BW 8CC 16QAM Low Channel)

ACLRResults



17:16:28 21.02.2020

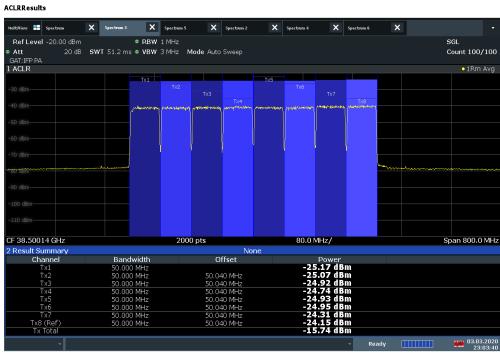


FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dama 447 of 250	
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© 2020 PCTEST				V9.0 02/01/2019	



ti¥iew 🎴 Spectrum	X Spectrum 3 X S	Spectrum 5 🗙	Spectrum 2	Spectrum 4	×	Spectrum 6	×	
Ref Level -20.00 dBm	• RBW 1	MHz						SGL
Att 20 dB	SWT 51.2 ms • VBW 3	MHz Mode Auto	Sweep					Count 100/10
AT:IFP PA								●1Rm Av
	Tx1		Tx5					011111
	104	Tx2	123	Tx6				
							_	
	Johnsteinen in	and the state of the second	TX4 arms ^{etter} tertettere, protectertettere	n washington	present-dissources	T×8		
			U. C.					
rd8m-							munduese	
0 dBm								
38.50014 GHz		2000 pts		80.0 N	/Hz/			Span 800.0 M
Result Summary			None					
Channel Tx1	Bandwidth 50.000 MHz	Of	fset		Power	-		
Tx2	50.000 MHz	50.04	MH=		17 dB			
Tx3	50.000 MHz	50.04		-25	.01 dB	m		
Tx4	50.000 MHz	50.04			.84 dB			
Tx5	50.000 MHz	50.04			.98 dB			
Tx6 Tx7	50.000 MHz 50.000 MHz	<u>50.04</u> 50.04			.95 dB			
Tx8 (Ref)	50.000 MHz	50.04		-24	.12 dB	m		
Tx Total				-15	.78 dB	m		
*						▼ Re	ady 🛄	03.03.2
								23:01

Plot 7-181. Antenna C EIRP Density Plot (50MHz BW 8CC QPSK Mid Channel)



23:03:40 03.03.2020

Plot 7-182. Antenna C 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
Test Report S/N:	Test Dates:	EUT Type:	Dage 119 of 256
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Ref Level -20.00 dBm	● RBW 11	/Hz							SGL
	SWT 51.2 ms • VBW 31		C						Count 100/10
RG:IMM PA	SWI ST.2 IIS - VDW SP	Anz Mode Auto	Sweep						Count 100/10
ACLR									●1Rm Av
	Tx1			Tx5					
0 dBm									
	Julian marine put	miling promotion	monorm	manunident	matterno	preservation and	phonesteranty		
	f l								
		тхз				Tx7			
) dBm		1.5				107			
rdem								handmen	
Jusm									
) dBm									
10 dBm									
38.50014 GHz		2000 pts			10.08				Span 800.0 M
Result Summary		2000 pts	No	00	00.01	vii 127			3pan 000.0 N
Channel	Bandwidth	Of	fset			Power			
Tx1	50.000 MHz	<u>.</u>	1000		-2!	5.16 dB	m		
Tx2	50.000 MHz		0 MHz		-25	5.07 dB	m		
Tx3	50.000 MHz		0 MHz		-24	.91 dB	m		
Tx4 Tx5	50.000 MHz 50.000 MHz		0 MHz 0 MHz			1.73 dB 1.93 dB			
Tx6	50.000 MHz		0 MHZ		-24	.95 dB	m		
Tx7	50.000 MHz	50.04			-24	.32 dB	m		
Tx8 (Ref)	50.000 MHz	50.04	0 MHz		-24	1.16 dB	m		
Tx Total					-11	5.74 dB	m		
								ady 🚺	

Plot 7-183. Antenna C EIRP Density Plot (50MHz BW 8CC 64QAM Mid Channel)

ACLRResults



17:31:34 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:	Dega 110 of 256	
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MultiView 🖶 Spectrum	X Spectrum 3	× Spectrum 4	X Spectrum 5	×		•
Ref Level -15.00 dBm	RBW 3	MHz				SGL
	SWT 103 ms • VBW 10					Count 100/100
GAT:IFP PA						000000000000000000000000000000000000000
1 ACLR						o1Rm Avg
	Tx1		Tx5			
		Tx2 Tx3	Tx6	Tx7		
					×8	
-40 dBm	The second se	and the second s	www.period Barderine Manual	anite and second	A CONTRACTOR OF	
				1		
				1		
-60 dBm						
فلطعة عشيانات والمادية ليسبوا المصعات سيب	فالمنسل الموادي الوطانيان				التيغاط معصولة ألابه	ويستعين المرابع والمراجع والمتناقي والمناجع والمتنافي والمتنافي والمتنافي والمتنافي والمتنافي والمراجع والمتنافي والمراجع والمتنافي والمراجع والمنافع والمراجع والمنافع والمراجع والمنافع والمراجع
-80 dBm						
-90 dBm						
-100 dBm						
-110 dBm						
		10001				
CF 38.50011 GHz		10001 pts	160.0 MH:	Z/		Span 1.6 GHz
2 Result Summary Channel	Bandwidth	No Offset		wer		
Tx1 (Ref)	100.000 MHz	Oliset	-23.2			
Tx2	100.000 MHz	100.200 MHz	-23.6	2 dBm		
Tx3	100.000 MHz	100.200 MHz	-24.4			
Tx4 Tx5	100.000 MHz 100.000 MHz	100.200 MHz 100.200 MHz	-24.30 -24.43			
Tx6	100.000 MHz	100.200 MHz	-23.7			
Tx7	100.000 MHz	100.200 MHz	-24.3	7 dBm		
Tx8	100.000 MHz	100.200 MHz	-24.2			
Tx Total			-15.0	L UBM		
				~		21.02.2020 17:37:33

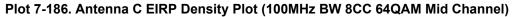
17:37:34 21.02.2020

Plot 7-185. Antenna C EIRP Density Plot (100MHz BW 8CC 16QAM Mid Channel)

ACLRResults



17:42:30 21.02.2020



FCC ID: A3LAT1K02-A00	PCTEST. Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
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Ref Level -20.00 dBm	• RBW 1							SGL
Att 20 dB 5 AT:IFP PA	SWT 51.2 ms • VBW 3	MHz Mode Auto	Sweep					Count 100/1
ACLE PA								●1Rm A
	Tx1		Tx					0 21 01111
	104	Tx2		Tx6				
	there are determined as		Tx4		and the second	Tx8		
				, v				
a ha shekara a sa	and a start start for man						user Jumes and	
I dBm								
)0 dBm								
39.79986 GHz		2000 pts		80.01	MHz/			Span 800.0 N
tesult Summary			None					
Channel Tx1	Bandwidth 50.000 MHz	01	fset		Power 5.36 dBi			
Tx2	50.000 MHz	50.04	10 MHz		5.09 dBi			
Tx3	50.000 MHz		10 MHz	-2!	5.70 dBi	n		
Tx4	50.000 MHz		10 MHz		5.96 dBı			
Tx5	50.000 MHz		10 MHz		5.90 dBi			
Tx6 Tx7 (Ref)	50.000 MHz 50.000 MHz		IO MHz IO MHz		5.00 dBı 5.25 dBı			
Tx8	50.000 MHz		io MHz		5.56 dBi			
Tx Total				-16	5.69 dBi	n		
						▼ Rea	dy 🗰	04.03.2 6 00:24

Plot 7-187. Antenna C EIRP Density Plot (50MHz BW 8CC QPSK High Channel)



00:26:43 04.03.2020

Plot 7-188. Antenna C 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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ulti¥iew 📕 Spectrum	X Spectrum 3	×	Spectrum 5	×	Spectrum 2	×	Spectrum 4	×	Spectrum 6	×		
Ref Level -20.00 dBm		RBW	1 MHz									SGL
	SWT 51.2 ms	• VBW	3 MHz N	lode Auto	Sweep							Count 100/1
AT:IFP PA ACLR												●1Rm Av
AGEN		Tx1	-			Tx5						
0 dBm		121	Tx2			1x5	Tx6					
) dBm									Tx8			
			(mage and the second s		and the second s	And the second second				1		
				_		_						
) dBm-						*		(
) dBm	and a state of the second second second									****	, 1947, Martine and Construction of the Association	and the second of the second
30 dBm												
39.79986 GHz			2000) pts			80.01	MHz/				Span 800.0 M
Result Summary						one						
Channel		width		0	ffset			Power				
Tx1 Tx2	50.000			F0 0	10 MIL-			5.33 dB 5.06 dB				
Tx3	50.000 50.000				40 MHz 40 MHz			5.68 dB				
Tx4	50.000				40 MHz			5.95 dB				
Tx5	50.000				40 MHz		-2	5.88 dB	m			
Тхб	50.000				40 MHz		-26	5.00 dB	m			
Tx7 (Ref)	50.000				40 MHz			5.25 dB 5.56 dB				
Tx8 Tx Total	50.000	JMHZ		50.0	40 MHz		-2:	5.56 dB	m			
TX TOTAL							-1.			_		04.03.20
									▼ R€	eady 📘		00:29

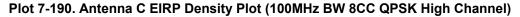
00:29:07 04.03.2020

Plot 7-189. Antenna C EIRP Density Plot (50MHz BW 8CC 64QAM High Channel)

ACLRResults



18:34:18 21.02.2020



FCC ID: A3LAT1K02-A00	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager	
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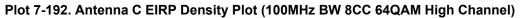
1ultiView 📰 Spectrum Ref Level -15.00 dBm		X Spectrum	4 🗙	Spectrum 5	×			661
	RBW 3							SGL
Att 15 dB BAT: IFP PA	SWT 103 ms • VBW 10	MHz Mode Auto Sw	eep					Count 100/10
ACLR								•1Rm Av
20 dBm	Tx1		Tx5					
		Tx2		Tx6				
			Tx4			Tx8		
		anti-				Weberson and State		
			<u>, </u>		ų.			
0 dBm								
The state of the s	and the particular states of the second states of t					tile in a	ومحمار والمارد والموجور بأرجاز الأمراد ول	and and the design of the second second
0 dBm								
						_		
- 39.59991 GHz		10001 pts		160.0 M	Hz/			Span 1.6 G
Result Summary		- 11	None					
Channel Tx1	Bandwidth 100.000 MHz	Offse	Ţ	-74	'ower 58 dBm			
Tx2	100.000 MHz	100.200 N	1Hz	-24.	53 dBm			
Tx3	100.000 MHz	100.200 N			70 dBm			
Tx4 Tx5	100.000 MHz	100.200 N		-24.9	∂7 dBm 36 dBm			
Тхб	100.000 MHz 100.000 MHz	100.200 N 100.200 N			36 dBm			
Tx7	100.000 MHz	100.200 N	1Hz	-24.3	36 dBm			
Tx8 (Ref)	100.000 MHz	100.200 N	1Hz		33 dBm			
Tx Total				-15.0	50 dBm			
					~			21.02.20

Plot 7-191. Antenna C EIRP Density Plot (100MHz BW 8CC 16QAM High Channel)

ACLRResults



18:28:33 21.02.2020

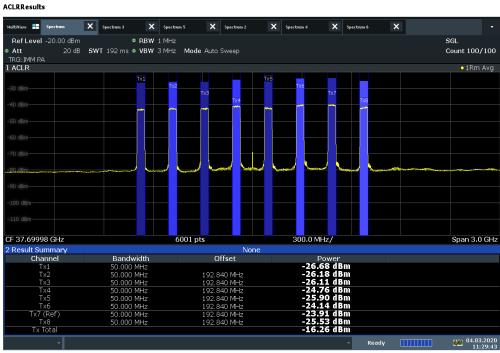


FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 102 of 256
8K19110701-01.A3L	02/18/2020-03/06/2020	5G Access Unit		Page 123 of 356
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ti¥iew I Spectrum X	Spectrum 3 X Sp	pectrum 5 🗙	Spectrum 2	Spectrum 4	× Spect	rum б	×	
Ref Level -20.00 dBm	● RBW 1 №	1Hz						SGL
Att 20 dB	SWT 192 ms • VBW 3 M	IHz Mode Auto	Sweep					Count 100/1
RG: IMM PA								
ACLR								●1Rm Av
			Tx5					
		Tx2		T×6				
		Tx3	Tred		Tx7	T0		
						188		
) dBm								
) dBm								
1 d8m		A Anna Anna	nesoli Davidinad 🔉	ange-manuf Terrarament	the second	townson	All Herene and the same	and the second se
10 dBm								
37.69998 GHz		6001 pts		300.0 MH	7/			Span 3.0 G
Result Summary		0001 pts	None	000101111	-/			opan olo e
Channel	Bandwidth	0	ffset	Po	wer			
Tx1	50.000 MHz			-26.6	9 dBm			
Tx2	50.000 MHz		40 MHz	-26.1	7 dBm			
Tx3	50.000 MHz		40 MHz	-26.1				
Tx4 Tx5	50.000 MHz		40 MHz	-24.7				
Tx5 Tx6	50.000 MHz 50.000 MHz		340 MHz 340 MHz	-25.9	4 dBm			
Tx7 (Ref)	50.000 MHz		40 MHz	-23.9				
Tx8	50.000 MHz		40 MHz	-25.5	4 dBm			
Tx Total				-16.2	7 dBm			
						Ready		D 04.03.2
						Reduy		11:32

Plot 7-193. Antenna C EIRP Density Plot (50MHz BW 8CC NC QPSK Low Channel)



11:29:43 04.03.2020

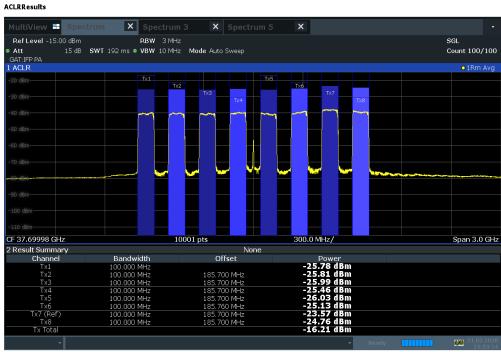
Plot 7-194. Antenna C EIRP Density Plot (50MHz BW 8CC NC 16QAM Low Channel)

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:	Dogo 124 of 256	
8K19110701-01.A3L	02/18/2020-03/06/2020	5G Access Unit	Page 124 of 356	
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		pectrum 5 🗙	Spectrum 2	X Spectrum	4 🗙	Spectrum 6	×	
Ref Level -20.00 dBm	■ RBW 11							SGL
	SWT 192 ms • VBW 31	/IHz Mode Auto	Sweep					Count 100/10
RG:IMM PA								
ACLR								●1Rm Av
	Tx1			Tx5				
		Tx2 Tx3		Tx6	Tx7			
		143	Tx4		107	Tx8		
				rra	<u> </u>			
) dBm								
1.dBm	and the second	A Annual Annua	uetell Dadifitradi	Summer	Internet In	terrente Personate	and the second	and the second
) dBm								
DO dBm								
10 dBm								
37.69998 GHz		6001 pts		300	.0 MHz/			Span 3.0 G
Result Summary			None					
Channel	Bandwidth	0	ffset		Power			
Tx1	50.000 MHz				26.69 dB			
Tx2	50.000 MHz		40 MHz	-	26.18 dB	m		
Tx3	50.000 MHz		40 MHz		26.07 dB			
Tx4 Tx5	50.000 MHz		40 MHz		24.76 dB 25.89 dB			
Tx5 Tx6	50.000 MHz 50.000 MHz		40 MHz 40 MHz		23.89 dB 24.12 dB			
Tx7 (Ref)	50.000 MHz		40 MHz		23.93 dB			
Tx8	50.000 MHz		40 MHz		25.54 dB	m		
Tx Total				-	16.26 dB	m		
								04.03.2
						Ready		11:26

Plot 7-195. Antenna C EIRP Density Plot (50MHz BW 8CC NC 64QAM Low Channel)



15:53:14 21.02.2020

Plot 7-196. Antenna C EIRP Density Plot (100MHz BW 8CC NC QPSK Low Channel)

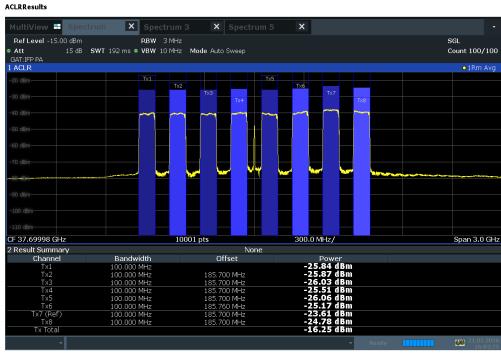
FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 105 of 256
8K19110701-01.A3L	02/18/2020-03/06/2020	5G Access Unit	Page 125 of 356
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1ultiView 🗄 Spect	rum 🗙 Spectrun	n 3 🛛 🗙 Spectrum !	5 X		•
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
ALTEP PA ACLR					●1Rm Av
0 dBm	Tx1	Тх			
	Tx		Tx6		
0 dBm		Тх3	Tx7		
		Tx4		Tx8	
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
) dBm					
			· 🖌 🖌 🖌	" Maran	
9-dBm					
90 dBm					
37.69998 GHz	1	0001 pts	300.0 MHz/		Span 3.0 G
Result Summary		None	-		 
Channel Tx1	Bandwidth 100.000 MHz	Offset	Power -25.76 dBn		
Tx2	100.000 MHz	185.700 MHz	-25.79 dBn		
Tx3	100.000 MHz	185.700 MHz	-25.96 dBn		
Tx4	100.000 MHz	185.700 MHz	-25.43 dBn		
Tx5	100.000 MHz	185.700 MHz	-25.99 dBn		
Tx6 Tx7 (Ref)	100.000 MHz 100.000 MHz	185.760 MHz 185.700 MHz	-25.11 dBn -23.55 dBn		
Tx7 (Ref) Tx8	100.000 MHz	185.700 MHz 185.700 MHz	-24.74 dBn		
Tx Total	100.000 1112		-16.19 dBn		
_				Ready	21.02.20

15:56:47 21.02.2020

### Plot 7-197. Antenna C EIRP Density Plot (100MHz BW 8CC NC 16QAM Low Channel)



16:03:26 21.02.2020

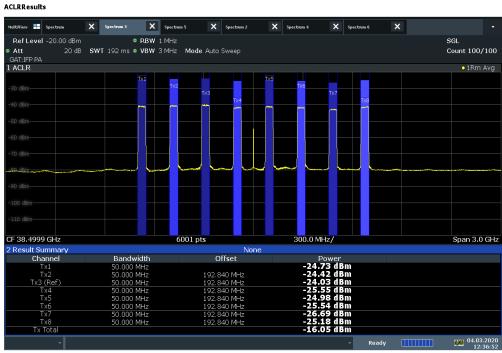
#### Plot 7-198. Antenna C EIRP Density Plot (100MHz BW 8CC NC 64QAM Low Channel)

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 106 of 256	
8K19110701-01.A3L	02/18/2020-03/06/2020	5G Access Unit	Page 126 of 356	
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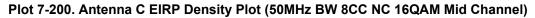


ti¥iew 👫 Spectrum	Spectrum 3 X	Spectrum 5 🗙	Spectrum 2	Spectrum 4	Spectru	тб	×	
Ref Level -20.00 dBm	• RBW 1	MHz						SGL
Att 20 dB	SWT 192 ms • VBW 3	MHz Mode Auto	Sweep					Count 100/1
AT: IFP PA								
ACLR								●1Rm Av
	Tx1		T×5					
		Tx2		Tx6				
		ТхЗ	Tred	Tx7				
						~		
) dBm								
) dBm								
) dRm					-			
) dBm-								
10 dBm								
38.4999 GHz		6001 pts		300.0 MHz/				Span 3.0 G
Result Summary		0001 pt3	None	300.0 1411 127				opun olo c
Channel	Bandwidth	C	Offset	Power	r			
Tx1	50.000 MHz			-24.51 d	Bm			
Tx2	50.000 MHz		340 MHz	-24.37 d				
Tx3 (Ref)	50.000 MHz		340 MHz	-23.98 d				
Tx4	50.000 MHz		340 MHz	-25.24 d	Bm			
Tx5 Tx6	50.000 MHz 50.000 MHz		340 MHz 340 MHz	-24.96 d -25.35 d	Bm			
Tx7	50.000 MHz		340 MH2 340 MHz	-26.48 d				
Tx8	50.000 MHz		340 MHz	-25.16 d	Bm			
Tx Total				-15.92 d	Bm			
						Ready		04.03.2
						Reauy		12:25

Plot 7-199. Antenna C EIRP Density Plot (50MHz BW 8CC NC QPSK Mid Channel)



12:36:53 04.03.2020



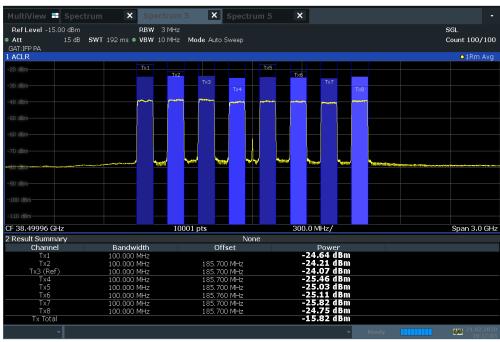
FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 107 of 256
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ACLRResults

lti¥iew 🕂 Spectrum	X Spectrum 3 X Sp	ectrum 5 🗙	Spectrum 2	Spectrum 4	× Spectru	m 6	×	
Ref Level -20.00 dBm	● RBW 11	1Hz						SGL
Att 20 dB	SWT 192 ms • VBW 3 M	IHz Mode Auto	Sweep					Count 100/10
AT:IFP PA								
ACLR								●1Rm Av
			Tx5					
		Tx2 Tx3		T×6	7			
		143	Tx4	17	Í	×8		
	<u> </u>		<b>~~</b>					
0 dBm								
0.dBm								
0 dBm								
						_		
38.4999 GHz		6001 pts		300.0 MHz/				Span 3.0 G
Result Summary			None					
Channel	Bandwidth	0	ffset	Pow				
Tx1 Tx2	50.000 MHz 50.000 MHz	102.0	40 MHz	-24.81 -24.42				
Tx3 (Ref)	50.000 MHz		40 MHz	-24.05	dBm			
Tx4	50.000 MHz		40 MHz	-25.64	dBm			
Tx5	50.000 MHz		40 MHz	-24.98				
Tx6	50.000 MHz		40 MHz	-25.62				
Tx7 Tx8	50.000 MHz 50.000 MHz		40 MHz 40 MHz	-26.74 -25.17				
Tx Total	30.000 MHZ	192.8	40 MINZ	-16.08	dBm			
								04.03.20
					~	Ready		12:44:

Plot 7-201. Antenna C EIRP Density Plot (50MHz BW 8CC NC 64QAM Mid Channel)



16:17:06 21.02.2020

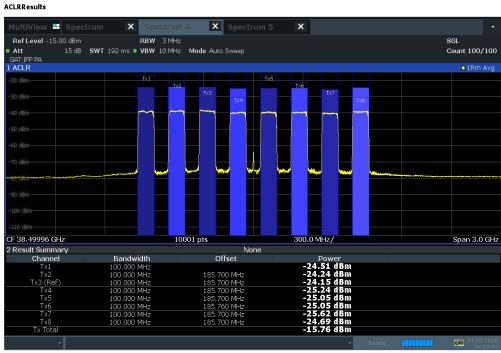
Plot 7-202. Antenna C EIRP Density Plot (100MHz BW 8CC NC QPSK Mid Channel)

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 129 of 256
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RefLevel -15.00 dBm	RBW 31	MHz			SGL
	SWT 192 ms • VBW 101				Count 100/10
AT:IFP PA	501 152 113 0 000 101	iniz iniode Acto Sweep			Count 100/ 10
ACLR					o1Rm Av
0 dBm	Tx1		Tx5		
		Tx2	Tx6		
		Tx3	Tx7		
		Tx4		Tx8	
		present	man proved present		
asm					
dBill	and a state of the		and the set	When we wanted a state of the s	
		10001 pts	300.0 MHz/		Span 3.0 C
dBm		None	300.0 MHz/		Span 3.0 C
dam	Bandwidth		Power		Span 3.0 C
1 dam 10 dam 38.499996 GHz tesult Summary Channel TX1	100.000 MHz	None Offset	Power -24.53 dBm		Span 3.0 C
dam 0 dam 38.49996 GHz tesult Summary Channel Txt Tx2	100.000 MHz 100.000 MHz	None Offset 185.700 MHz	Power -24.53 dBm -24.25 dBm		Span 3.0 (
1 dam 10 dam 10 dam 138.49996 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 -24.53 dBm -24.25 dBm -24.15 dBm		Span 3.0 (
dam 0 dBm 0 dBm 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	Power -24.53 dBm -24.25 dBm -24.15 dBm -25.29 dBm		Span 3.0 C
1 dam 10 dam 38.499996 GHz 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 -24.53 dBm -24.25 dBm -24.15 dBm -25.29 dBm -25.07 dBm		Span 3.0 C
0 d8m 0 d8m 38.49996 GHz tesult Summary Channel Tx1 Tx2 Tx3 (Ref) Tx4 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 185.700 MHz	Power -24.53 dBm -24.25 dBm -24.15 dBm -25.07 dBm -25.07 dBm -25.07 dBm		Span 3.0 C
dam 0 dam 38.49996 GHz tesult Summary Channel Tx1 Tx2 Tx3 (Ref) Tx4 Tx5 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 -24.53 dBm -24.25 dBm -24.15 dBm -25.29 dBm -25.07 dBm -25.67 dBm		Span 3.0 C
1 dam 10 dam 10 dam 138.49996 GHz tesult 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 185.700 MHz	Power -24.53 dBm -24.25 dBm -25.29 dBm -25.07 dBm -25.07 dBm -25.07 dBm -24.71 dBm		Span 3.0 C
1 dBm 10 dBm 10 dBm 38.49996 GHz Result 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 -24.53 dBm -24.25 dBm -24.15 dBm -25.29 dBm -25.07 dBm -25.67 dBm	Ready	Span 3.0 C

#### Plot 7-203. Antenna C EIRP Density Plot (100MHz BW 8CC NC 16QAM Mid Channel)



16:23:44 21.02.2020

#### Plot 7-204. Antenna C EIRP Density Plot (100MHz BW 8CC NC 64QAM Mid Channel)

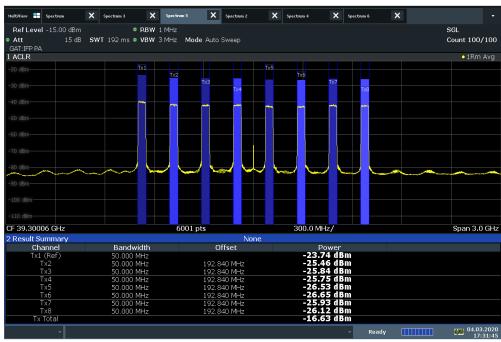
FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 120 of 256
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ACLRResults

ulti¥iew 📕 Spectrum	X Spectrum 3 X S	pectrum S X Spectrum 2	Spectrum 4	× Spectru	m 6 🗙	
Ref Level -15.00 dBm	• RBW 1 M	Hz				SGL
Att 15 dB	SWT 192 ms ● VBW 3 №	Hz Mode Auto Sweep				Count 100/10
GAT: IFP PA						
ACLR						◦1Rm Av
20 dBm			Tx5			
		Tx2	Tx6			
		Tx3		Tx7	rx8	
					1.00	
			rhen			
50 dBm						
U UDIII						
0 dBm						
0 dBm						<u> </u>
0 dBm						
00 dBm						
39.30006 GHz		6001 pts	300.0 M	Hz/		Span 3.0 G
Result Summary		Noi	ne			
Channel	Bandwidth	Offset		ower		
Tx1 (Ref) Tx2	50.000 MHz	100.010.00		72 dBm 19 dBm		
	50.000 MHz 50.000 MHz	192.840 MHz 192.840 MHz		+9 ubm 37 dBm		
				74 dBm		
Tx3 Tx4	50.000 MHz	192 840 MHz				
Tx3 Tx4 Tx5	50.000 MHz 50.000 MHz	192.840 MHz 192.840 MHz	-26.	55 dBm		
Tx4 Tx5 Tx6	50.000 MHz 50.000 MHz	192.840 MHz 192.840 MHz	-26. -26.	55 dBm 56 dBm		
Tx4 Tx5 Tx6 Tx7	50.000 MHz 50.000 MHz 50.000 MHz	192.840 MHz 192.840 MHz 192.840 MHz	-26. -26. -25.	55 dBm 56 dBm 92 dBm		
Tx4 Tx5 Tx6 Tx7 Tx8	50.000 MHz 50.000 MHz	192.840 MHz 192.840 MHz	-26. -26. -25. -25.	55 dBm 56 dBm 92 dBm 12 dBm		
Tx4 Tx5 Tx6 Tx7	50.000 MHz 50.000 MHz 50.000 MHz	192.840 MHz 192.840 MHz 192.840 MHz	-26. -26. -25. -25.	55 dBm 56 dBm 92 dBm		04.03.2

Plot 7-205. Antenna C EIRP Density Plot (50MHz BW 8CC NC QPSK High Channel)



17:31:45 04.03.2020

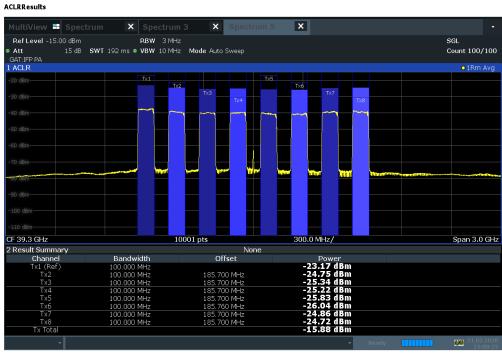
### Plot 7-206. Antenna C EIRP Density Plot (50MHz BW 8CC NC 16QAM High Channel)

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 120 of 256
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ulti¥iew 📕 Spectrum	K Spectrum 3 X	Spectrum 5 🗙	Spectrum 2	×	Spectrum 4	×	Spectrum 6	×	
Ref Level -15.00 dBm	RBW 1	MHz							SGL
Att 15 dB	SWT 192 ms • VBW 3	MHz Mode Auto	Sweep						Count 100/10
GAT: IFP PA									
ACLR									•1Rm Avg
				Tx5					
		Tx2 Tx3			T×6	Tx7			
		1/13	Tx4			10/	Tx8		
40 dBm		<b>~~</b>		<b></b> 1		<b>~~</b>			
50 dBm									
30 dBm									
	~~~ ~~	A	and the second	/ <b>\</b>	******	✓ ∖	~		
90 dBm									
			_						
F 39.30006 GHz		6001 pts			300.0 N	IHz/			Span 3.0 G
Result Summary			None	3					
Channel	Bandwidth	(Offset			Power			
Tx1 (Ref) Tx2	50.000 MHz 50.000 MHz	102	340 MHz		-23.	73 dB 49 dB	m		
Tx3	50.000 MHz		340 MHZ 340 MHz			49 UB 86 dB			
Tx4	50.000 MHz		340 MHz			75 dB			
Tx5	50.000 MHz		340 MHz		-26.	55 dBi	m		
Тхб	50.000 MHz	192.	340 MHz			65 dB			
Tx7	50.000 MHz		340 MHz		-25.	93 dB	m		
Tx8	50.000 MHz	192.	340 MHz		-26.	13 dB 64 dB	m		
Tx Total					-16.	64° a B			
								v	04.03.20 17:38:

Plot 7-207. Antenna C EIRP Density Plot (50MHz BW 8CC NC 64QAM High Channel)



15:08:26 21.02.2020

Plot 7-208. Antenna C EIRP Density Plot (100MHz BW 8CC NC QPSK High Channel)

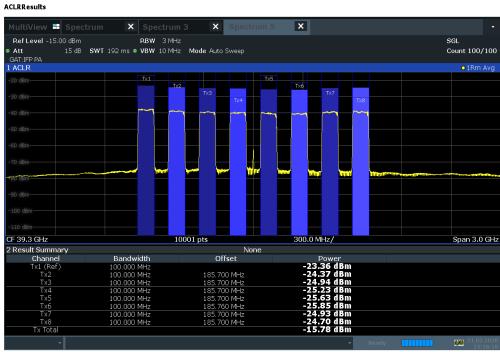
FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 121 of 256
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1ultiView 🎫 Spect	rum 🗙 Spect	rum 3 🗙 Spectr	um 5 🗙			
Ref Level -15.00 dBm	RBW 3	MHz				SGL
Att 15 dB	SWT 192 ms • VBW 10	MHz Mode Auto Sweep				Count 100/10
AT:IFP PA						
ACLR						•1Rm Avg
	Tx1	Tx2	Tx5 Tx6			
		Tx3	Tx0			
		Tx4		Tx8		
0 dBm						
0 dBm						
U dBm					A REAL PROPERTY AND A REAL	
00 dBm						
10 dBm						
39.3 GHz		10001 pts	300.0 MHz/			Span 3.0 Gł
Result Summary		Nor				opanolo
Channel	Bandwidth	Offset	Power			
Tx1 (Ref)	100.000 MHz		-23.35 dB			
Tx2	100.000 MHz	185.700 MHz	-24.42 dB	m		
Tx3 Tx4	100.000 MHz 100.000 MHz	185.700 MHz 185.700 MHz	-25.03 dB -25.25 dB			
Tx5	100.000 MHz	185.700 MHz 185.700 MHz	-25.66 dB			
Tx6	100.000 MHz	185.760 MHz	-25.89 dB	m		
Tx7	100.000 MHz	185.700 MHz	-24.92 dB			
Tx8 Tx Total	100.000 MHz	185.700 MHz	-24.71 dB	m		
			-15.81 dB	n)		
TX TULAT						21.02.20

15:12:37 21.02.2020

Plot 7-209. Antenna C EIRP Density Plot (100MHz BW 8CC NC 16QAM High Channel)



15:16:19 21.02.2020

Plot 7-210. Antenna C 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
Test Report S/N:	Test Dates:	EUT Type:	Dage 122 of 256
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7.3.4 Antenna D 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	10	-22.65	57.22	48.11	75.00	-29.90
	50	Low	0	16QAM	45.0	141	10	-22.63	57.22	48.13	75.00	-29.88
		Low	0	64QAM	45.0	141	10	-22.66	57.22	48.10	75.00	-29.91
		Low	0	QPSK	45.0	141	10	-18.73	57.22	49.02	75.00	-25.98
	100	Low	0	16QAM	45.0	141	10	-18.74	57.22	49.01	75.00	-25.99
		Low	0	64QAM	45.0	141	10	-18.75	57.22	49.00	75.00	-26.00
		Mid	4	QPSK	45.0	141	10	-22.59	57.17	48.12	75.00	-29.89
	50	Mid	4	16QAM	45.0	141	10	-22.60	57.17	48.11	75.00	-29.90
		Mid	4	64QAM	45.0	141	10	-22.58	57.17	48.13	75.00	-29.88
		Mid	4	QPSK	45.0	141	10	-19.13	57.17	48.57	75.00	-26.43
	100	Mid	4	16QAM	45.0	141	10	-19.13	57.17	48.57	75.00	-26.43
	100	Mid	4	64QAM	45.0	141	10	-19.14	57.17	48.56	75.00	-26.44
		High	7	QPSK	45.0	141	10	-22.73	58.95	49.76	75.00	-28.25
	50	High	7	16QAM	45.0	141	10	-22.75	58.95	49.74	75.00	-28.27
		High	7	64QAM	45.0	141	10	-22.74	58.95	49.75	75.00	-28.26
		High	7	QPSK	45.0	141	10	-19.81	58.95	49.67	75.00	-25.33
	100	High	7	16QAM	45.0	141	10	-19.82	58.95	49.66	75.00	-25.34
	100	High	7	64QAM	45.0	141	10	-19.81	58.95	49.67	75.00	-25.34
		Low	0-7	QPSK	45.0	141	10	-19.01	57.22	46.03	75.00	-31.98
	50		0-7				10					
	50	Low		16QAM	45.0	141		-24.67	57.22	46.09	75.00	-31.92
		Low	0-7	64QAM	45.0	141	10	-24.65	57.22	46.11	75.00	-31.90
		Low	0-7	QPSK	45.0	141	10	-23.95	57.22	43.80	75.00	-31.20
	100	Low	0-7	16QAM	45.0	141	10	-23.68	57.22	44.07	75.00	-30.93
		Low	0-7	64QAM	45.0	141	10	-23.65	57.22	44.10	75.00	-30.90
		Mid	0-7	QPSK	45.0	141	10	-23.99	57.17	46.72	75.00	-31.29
	50	Mid	0-7	16QAM	45.0	141	10	-24.00	57.17	46.71	75.00	-31.30
D		Mid	0-7	64QAM	45.0	141	10	-24.08	57.17	46.63	75.00	-31.38
2		Mid	0-7	QPSK	45.0	141	10	-23.05	57.17	44.65	75.00	-30.35
	100	Mid	0-7	16QAM	45.0	141	10	-23.20	57.17	44.50	75.00	-30.50
		Mid	0-7	64QAM	45.0	141	10	-23.67	57.17	44.03	75.00	-30.97
		High	0-7	QPSK	45.0	141	10	-24.74	58.95	47.75	75.00	-30.26
	50	High	0-7	16QAM	45.0	141	10	-24.76	58.95	47.73	75.00	-30.28
		High	0-7	64QAM	45.0	141	10	-24.79	58.95	47.70	75.00	-30.31
		High	0-7	QPSK	45.0	141	10	-24.43	58.95	45.05	75.00	-29.95
	100	High	0-7	16QAM	45.0	141	10	-23.97	58.95	45.51	75.00	-29.49
		High	0-7	64QAM	45.0	141	10	-23.96	58.95	45.52	75.00	-29.48
		Low	0-7(NC)	QPSK	45.0	141	10	-23.44	57.22	47.32	75.00	-30.69
	50	Low	0-7(NC)	16QAM	45.0	141	10	-23.43	57.22	47.33	75.00	-30.68
		Low	0-7(NC)	64QAM	45.0	141	10	-23.43	57.22	47.33	75.00	-30.68
		Low	0-7(NC)	QPSK	45.0	141	10	-22.48	57.22	45.27	75.00	-29.73
	100	Low	0-7(NC)	16QAM	45.0	141	10	-22.51	57.22	45.24	75.00	-29.76
		Low	0-7(NC)	64QAM	45.0	141	10	-22.61	57.22	45.14	75.00	-29.86
		Mid	0-7(NC)	QPSK	45.0	141	10	-23.96	57.17	46.75	75.00	-31.26
	50	Mid	0-7(NC)	16QAM	45.0	141	10	-23.94	57.17	46.77	75.00	-31.24
		Mid	0-7(NC)	64QAM	45.0	141	10	-23.94	57.17	46.77	75.00	-31.24
		Mid	0-7(NC)	QPSK	45.0	141	10	-23.56	57.17	44.14	75.00	-30.86
	100	Mid	0-7(NC)	16QAM	45.0	141	10	-23.27	57.17	44.43	75.00	-30.57
		Mid	0-7(NC)	64QAM	45.0	141	10	-23.23	57.17	44.47	75.00	-30.53
		High	0-7(NC)	QPSK	45.0	141	10	-23.83	58.95	48.66	75.00	-29.35
	50	High	0-7(NC)	16QAM	45.0	141	10	-23.89	58.95	48.60	75.00	-29.41
		High	0-7(NC)	64QAM	45.0	141	10	-23.71	58.95	48.78	75.00	-29.23
		High	0-7(NC)	QPSK	45.0	141	10	-23.71	58.95	46.76	75.00	-29.23
	100		0-7(NC)	16QAM	45.0	141	10	-22.72	58.95	46.78	75.00	-28.24
	100	High	0-7(NC)				10			46.69		-28.27
		High		64QAM	45.0	141		-22.79	58.95		75.00	-20.31

Table 7-10. Antenna D Power Density Summary Data

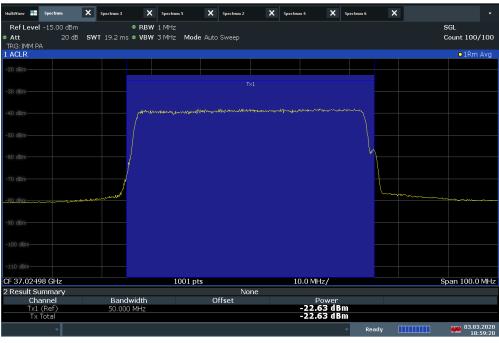
FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 122 of 256
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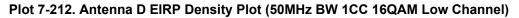
ulti¥iew 📕 Spectrum	Spectrum 3	Spectrum 5	Spectrum 2	X Spectrum 4	X Spectrum 6	×	
RefLevel -15.00 dBm Att 20 dB RG:IMM PA	● RE SWT 19.2 ms ● VB	WF1MHz WF3MHz Mo	de Auto Sweep				SGL Count 100/10
ACLR							●1Rm Av
0 dBm							
0 dBm				1			
	יזיית	- Andrewsky washington and the	esphilation production and a strategic and a st	eres and the providence of			
					\sim		
	/						
) dBm							
l.dBm	Margan and and a second						
10 dBm-							
37.02498 GHz		1001		10.0 MH	z/		Span 100.0 M
Result Summary Channel	Bandwidth		Nor Offset		ower		
Tx1 (Ref)	50.000 MHz		Onset	-22.6	5 dBm 5 dBm		
Tx Total				-22.6	5 dBm		
						ady 🚺	03.03.20

19:00:03 03.03.2020

Plot 7-211. Antenna D EIRP Density Plot (50MHz BW 1CC QPSK Low Channel)



18:59:21 03.03.2020

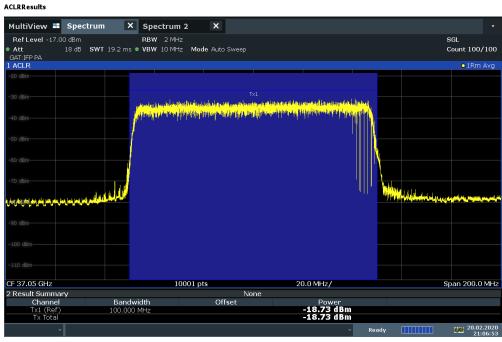


FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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ulti¥iew s pectrum	Spectrum 3	×	Spectrum 5	×	Spectrum 2	×	Spectrum 4	× s	pectrum 6	×	
Ref Level -15.00 dBm		RBW	1 MHz								SGL
Att 20 dB	SWT 19.2 ms	s 🗢 VBW	3 MHz Mo	de Auto S	Sweep						Count 100/10
FRG: IMM PA											
ACLR											•1Rm Av
30 dBm											
10 dBm		many	mangene	manupp	Mannaha		www.wymy				
50 dBm											
									h		
		6									
	/										
										home	
30 dRm	and a start of the										
10 dBm											
F 37.02498 GHz			1001	pts			10.0 MH	z/			Span 100.0 M
Result Summary		lwidth		~	None	2					
Channel Tx1 (Ref)	Banc 50.00			- 0fi	set		-22.6	ower 7 dBm			
Tx Total							-22.6	7 dBm			
									Rea	du [03.03.20
									Kea		18:58:

Plot 7-213. Antenna D EIRP Density Plot (50MHz BW 1CC 64QAM Low Channel)



21:06:54 20.02.2020

Plot 7-214. Antenna D EIRP Density Plot (100MHz BW 1CC QPSK Low Channel)

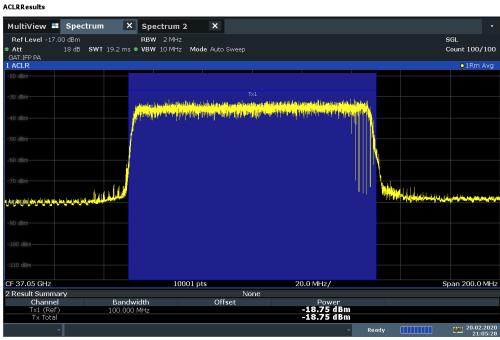
FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 125 of 256
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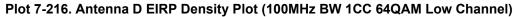
ACLRResults MultiView 📰 Spectrum × Spectrum 2 Ref Level -17.00 dBm RBW 2 MHz SGL 18 dB SWT 19.2 ms • VBW 10 MHz Mode Auto Sweep Count 100/100 GAT: IFP PA 1 ACLR o1Rm Avg al mandra al Anexandra d'Anex ny kana pana basa baga kata kata mana kang mana kata na kata mana kata mana kata kata kata kata kata kata kata ասե weighted and had been had been been been and after the ΥP. CF 37.05 GHz 10001 pts 20.0 MHz/ Span 200.0 MHz 2 Result Summary Channel None Bandwidth 100.000 MHz Offset Power -18.74 dBm -18.74 dBm ľx1 (Ref Tx Total 20.02.2020 21:06:12

21:06:13 20.02.2020

Plot 7-215. Antenna D EIRP Density Plot (100MHz BW 1CC 16QAM Low Channel)



21:05:28 20.02.2020

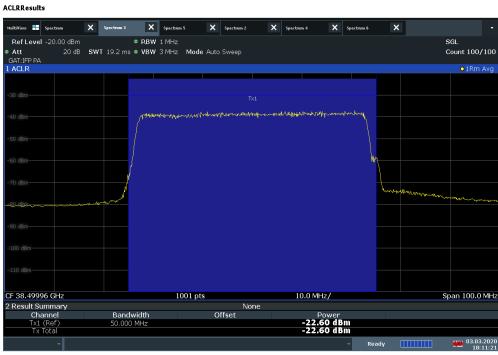


FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 420 of 250
8K19110701-01.A3L	01.A3L 02/18/2020-03/06/2020 5G Access Unit			Page 136 of 356
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Multi¥iew 📕 Spectrum	Spectrum 3	X Spectrum 5	X Spectrum 2	X Spectrum 4	X Spectrum 6	×	Ŧ
Ref Level -20.00 dBn	n	• RBW 1 MHz					SGL
Att 20 di		s • VBW 3 MHz	Mode Auto Sweep				Count 100/100
GAT: IFP PA							
I ACLR							●1Rm Avg
		- Alderson and the	www.hohenenyearenadeshe	ralp-n-scall-blipshithmath.rd	phrasmapural		
		1			₩		
						1	
	and and					mapping	manyment
.80. d8m	and the second s						
-110 dBm							
F 38.49996 GHz		100	01 pts	10.0 MH	lz/		Span 100.0 MH
Result Summary Channel	Bang	lwidth	No Offset		ower		
Tx1 (Ref)	50.00		Onset	-22.	59 dBm		
Tx Total				-22.	59 dBm		
~						ady IIII	03.03.202
							10.12.1
:12:19 03.03.2020							





18:11:22 03.03.2020

Plot 7-218. Antenna D EIRP Density Plot (50MHz BW 1CC 16QAM Mid Channel)

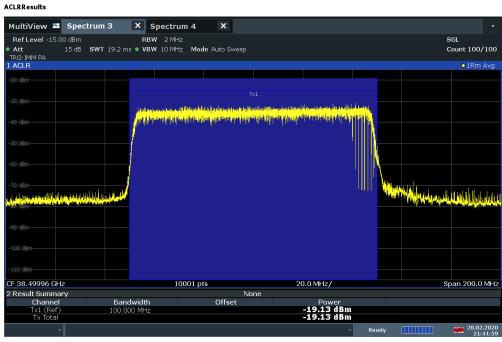
FCC ID: A3LAT1K02-A00	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 127 of 256
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MultiView 📰 Spectrum 💙	\$ Spectrum 3	X Spectrum 5	X Spectrum 2	X Spectrum 4	X Spectru	n 6 🗙		•
Ref Level -20.00 dBm • Att 20 dB 5 GAT:IFP PA		RBW 1 MHz VBW 3 MHz Mo	de Auto Sweep					SGL Count 100/100
1 ACLR								•1Rm Avg
	/	promonent	ntrakaangalannandhotorin	apununaa di Nakapadi di Madin Ma	punanatandura	<u>۱</u>		
						\		
						Lung	the way and	www.www.www.www.www.www.www.www.www.ww
-90.48m								
-90 dBm								
-110 dBm								
CF 38.49996 GHz		1001 ;		10.0 MH	z/			Span 100.0 MHz
2 Result Summary Channel	Bandwi	idth	Non Offset		ower			
Tx1 (Ref) Tx Total	50.000 M		onset	-22.5	8 dBm 8 dBm			
~						Ready		03.03.2020 18:13:12

18:13:13 03.03.2020

Plot 7-219. Antenna D EIRP Density Plot (50MHz BW 1CC 64QAM Mid Channel)



21:41:59 20.02.2020

Plot 7-220. Antenna D EIRP Density Plot (100MHz BW 1CC QPSK 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:	Dega 129 of 256				
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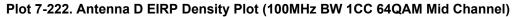
ACLRResults MultiView 💶 Spectrum 3 × Spectrum 4 Ref Level -15.00 dBm RBW 2 MHz SGL 15 dB SWT 19.2 ms • VBW 10 MHz Mode Auto Sweep Count 100/100 TRG: IMM PA o1Rm Avg n ha karala na kalan kalan kala dan na kana pana dan da mana kalanin na kalan na kalan kala kana kalan mata ka عالاته والأوارية وتهته والمتقالات والمتعا CF 38.49996 GHz 10001 pts 20.0 MHz/ Span 200.0 MHz 2 Result Summary Channel None Bandwidth 100.000 MHz Offset Power -19.13 dBm -19.13 dBm ľx1 (Ref Tx Total Ready 20.02.2020 21:43:03

21:43:04 20.02.2020

Plot 7-221. Antenna D EIRP Density Plot (100MHz BW 1CC 16QAM Mid Channel)

MultiView 💶 Spectrum 3 × Spectrum 4 × Ref Level -15.00 dBm RBW 2 MHz SGL 15 dB SWT 19.2 ms • VBW 10 MHz Mode Auto Sweep Count 100/100 Att TRG:IMM PA o1Rm Avg واللبعدة فيستحققه أأل an a bardan yang barkala da ang barkan yang barkan na mang barya barya barya kan yang baran yang baran barkan b White the second of the life of the فتأفقن يناذ أذرأنا أدوقه وشروقته الأويسوي 1. 16 10 "YNW W CF 38.49996 GHz 10001 pts 20.0 MHz/ Span 200.0 MHz 2 Result Summary Channel None Bandwidth 100.000 MHz Offset Power -19.14 dBm -19.14 dBm Tx Total

21:43:48 20.02.2020

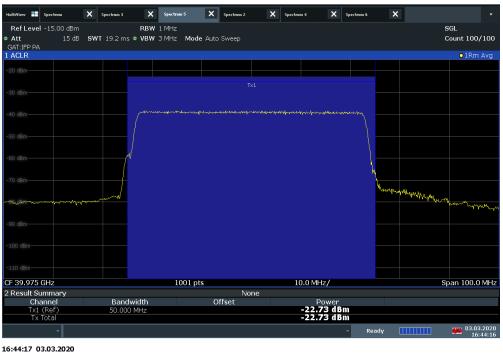


FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 120 of 256
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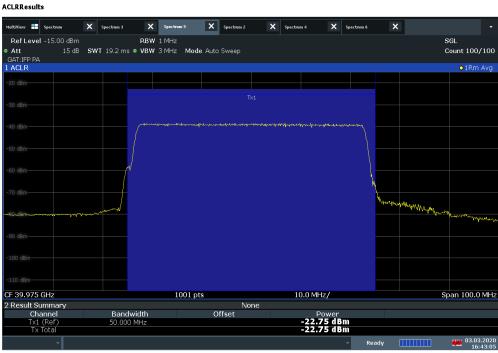
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ACLRResults







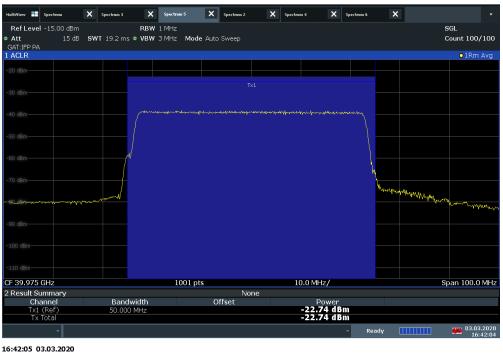


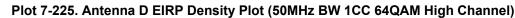
16:43:06 03.03.2020

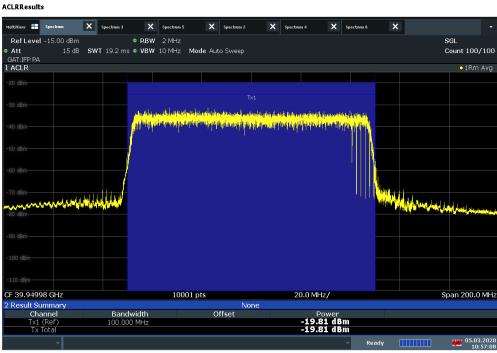
Plot 7-224. Antenna D EIRP Density Plot (50MHz BW 1CC 16QAM High Channel)

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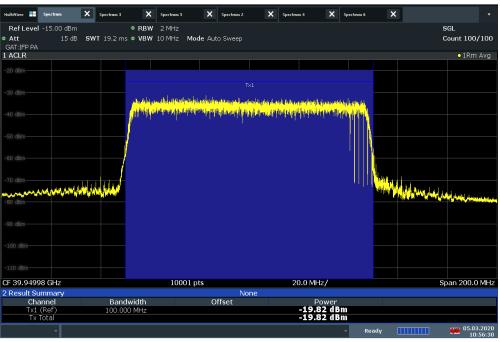


10:57:09 05.03.2020

Plot 7-226. Antenna D EIRP Density Plot (100MHz BW 1CC QPSK High Channel)

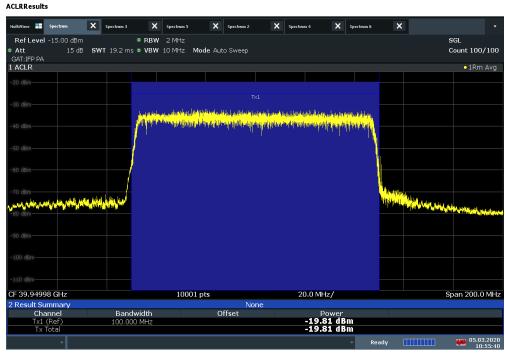
FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 141 of 256
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10:56:31 05.03.2020

Plot 7-227. Antenna D EIRP Density Plot (100MHz BW 1CC 16QAM High Channel)



10:55:41 05.03.2020

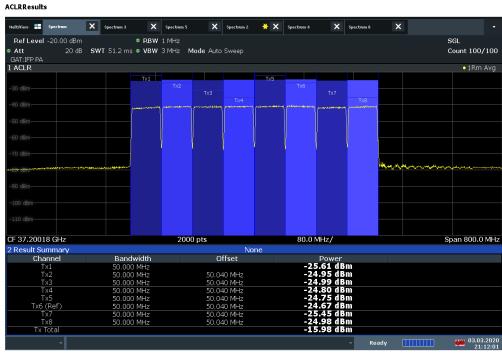
Plot 7-228. Antenna D EIRP Density Plot (100MHz BW 1CC 64QAM High Channel)

FCC ID: A3LAT1K02-A00	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:		Dage 142 of 256		
8K19110701-01.A3L	02/18/2020-03/06/2020	5G Access Unit		Page 142 of 356		
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lti¥iew Spectrum	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	lode Auto	Sweep							Count 100/1
AT:IFP PA												
ACLR												●1Rm Av
		Tx1	Tx2			Tx5	Tx6					
0 dBm												
		-				- Sarata - Contraction		and a start and		1		
										<u> </u>		
0 dBm				1				1				
8-dimit-	an a									1444 June June 4	ea, which a construction	man mar man prover
00 dBm												
37.20018 GHz			200	0 pts			80.0	MHz/				Span 800.0 M
Result Summary					No	ne						
Channel		lwidth		0	ffset		-	Power 5.67 dB				
Tx1 Tx2	50.000 50.000			50.0	40 MHz			1.99 dB				
Tx3	50.000				40 MHz		-2	5.02 dB	m			
Tx4	50.000	0 MHz		50.0	40 MHz			1.84 dB				
Tx5	50.000				40 MHz		-24	1.79 dB 1.73 dB	m			
Tx6 (Ref) Tx7	<u>50.000</u> 50.000				40 MHz 40 MHz			1.73 dB 5.52 dB				
Tx8	50.000				40 MHz		-2!	5.06 dB	m			
Tx Total				00.0			-10	5.03 dB	m			
*										eady		03.03.2
										·····		21:10

Plot 7-229. Antenna D EIRP Density Plot (50MHz BW 8CC QPSK Low Channel)



21:12:02 03.03.2020

Plot 7-230. Antenna D EIRP Density Plot (50MHz BW 8CC 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 142 of 256	
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