



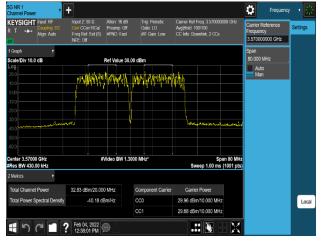
Plot 8-237. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_2C\_20M+20M\_QPSK - Low Channel, Port 2)



Plot 8-239. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_3C\_10M+10M+15M\_QPSK - Mid Channel, Port 0)



Plot 8-236. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_2C\_20M+20M\_QPSK - Low Channel, Port 1)



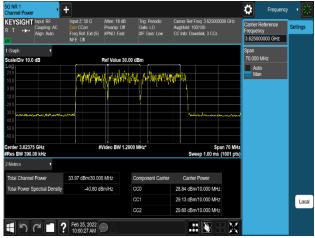
Plot 8-238. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_2C\_20M+20M\_QPSK - Low Channel, Port 3)



Plot 8-240. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_3C\_10M+10M+15M\_QPSK - Mid Channel, Port 1)

FCC: A3LRT4401-48A1		MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 122 of 286
8K21101306-R4.A3L	10/20/2021 - 04/05/2022	RRU(RT4401)		Page 133 of 286
© 2022 PCTEST		•		PK-QP-16-14 Rev.01





Plot 8-241. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_3C\_10M+10M+15M\_QPSK - Mid Channel, Port 2)



Plot 8-243. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_3C\_10M+15M+20M\_16QAM - High Channel, Port 0)



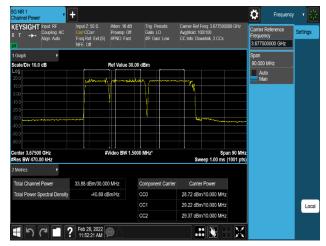
Plot 8-245. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_3C\_10M+15M+20M\_16QAM - High Channel, Port 2)



Plot 8-242. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_3C\_10M+10M+15M\_QPSK - Mid Channel, Port 3)



Plot 8-244. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_3C\_10M+15M+20M\_16QAM - High Channel, Port 1)



Plot 8-246. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_3C\_10M+15M+20M\_16QAM - High Channel, Port 3)

FCC: A3LRT4401-48A1		MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 124 of 200
8K21101306-R4.A3L	10/20/2021 - 04/05/2022	RRU(RT4401)		Page 134 of 286
© 2022 PCTEST	•	•		PK-QP-16-14 Rev.01





Plot 8-247. Equivalent Isotropic Radiated Power Plot (LTE B48 3C 10M+20M+20M 64QAM - High Channel, Port 0)



Plot 8-249. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_3C\_10M+20M+20M\_64QAM - High Channel, Port 2)



Plot 8-251. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_3C\_15M+20M+20M\_QPSK - Mid Channel, Port 0)



Plot 8-248. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_3C\_10M+20M+20M\_64QAM - High Channel, Port 1)



Plot 8-250. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_3C\_10M+20M+20M\_64QAM - High Channel, Port 3)



Plot 8-252. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_3C\_15M+20M+20M\_QPSK - Mid Channel, Port 1)

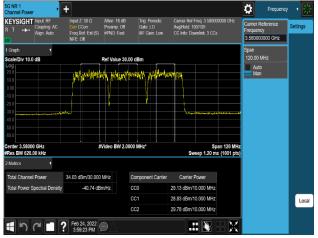
FCC: A3LRT4401-48A1		MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 125 of 286
8K21101306-R4.A3L	10/20/2021 - 04/05/2022	RRU(RT4401)		Page 135 of 286
© 2022 PCTEST	-			PK-QP-16-14 Rev.01

PK-QP-16-14 Rev.01



	5G NR 2 Channel Power	• +				<b>Ö</b>	Frequency	- * *
KEYSIGHT Input: RF R T →→ Augn: Auto		Atten: 16 dB Preamp: Off #PNO: Fast	Trig: Periodic Gate: LO #IF Gain: Low	Carrier Ref Freq. 3.62500 Avg Hold: 100/100 CC Info: Downlink, 3 CCs		Carrier Re Frequency 3.625000		Settings
1 Graph 7 ScaleUity 10.0 dB Log 20 20 20 20 20 20 20 20 20 20 20 20 20	hter and a second s	Ref Value 30.00				Span 110.00 M Auto Man	Hz ,	
Center 3.62375 GHz #Res BW 620.00 kHz	#\	ideo BW 2.000	00 MHz*	Sp Sweep 1.13 m	an 110 MHz s (1001 pts)			
2 Metrics T								
Total Channel Power	34.00 dBm/30.000 f	MHz	Component Carrier	Carrier Power				
Total Power Spectral Density	-40.77 dBn	۱/Hz	000	29.32 dBm/10.000 MHz				
			CC1	29.35 dBm/10.000 MHz				Local
			CC2	29.01 dBm/10.000 MHz				
<b>ا</b> م کا ک	Peb 24, 2022 8:07:43 PM	ÐA			ΗX			

Plot 8-253. Equivalent Isotropic Radiated Power Plot (LTE B48 3C 15M+20M+20M QPSK - Mid Channel, Port 2)



Plot 8-255. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_3C\_20M+20M+20M\_QPSK - Low Channel, Port 0)



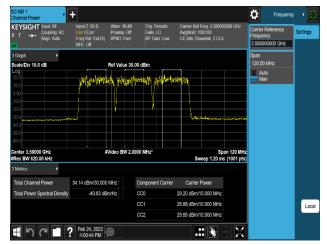
Plot 8-257. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_3C\_20M+20M+20M\_QPSK - Low Channel, Port 2)



Plot 8-254. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_3C\_15M+20M+20M\_QPSK - Mid Channel, Port 3)



Plot 8-256. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_3C\_20M+20M+20M\_QPSK - Low Channel, Port 1)

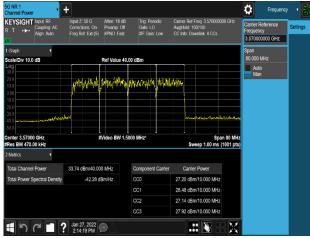


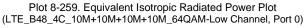
Plot 8-258. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_3C\_20M+20M+20M\_QPSK - Low Channel, Port 3)

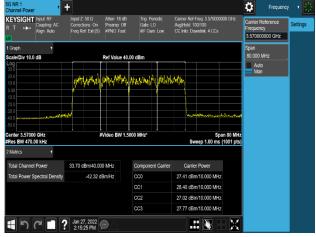
FCC: A3LRT4401-48A1		MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 126 of 206
8K21101306-R4.A3L	10/20/2021 - 04/05/2022	RRU(RT4401)		Page 136 of 286
© 2022 PCTEST				PK-QP-16-14 Rev.01

PK-QP-16-14 Rev.01

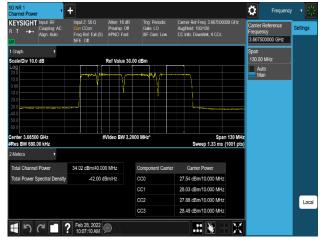




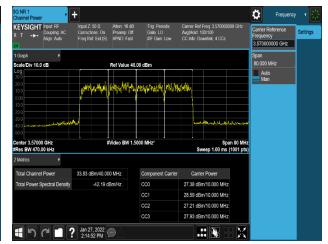




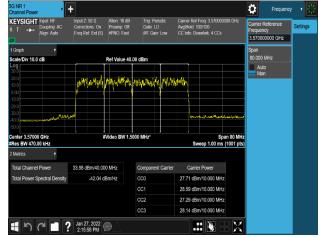
Plot 8-261. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_4C\_10M+10M+10M-64QAM-Low Channel, Port 2)



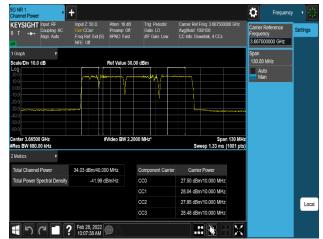
Plot 8-263. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_4C\_10M+15M+20M+20M\_16QAM-High Channel, Port 0)



Plot 8-260. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_4C\_10M+10M+10M+10M\_64QAM-Low Channel, Port 1)



Plot 8-262. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_4C\_10M+10M+10M+10M\_64QAM-Low Channel, Port 3)

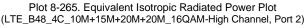


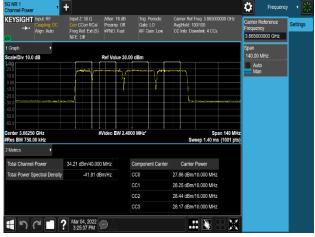
Plot 8-264. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_4C\_10M+15M+20M+20M\_16QAM-High Channel, Port 1)

FCC: A3LRT4401-48A1		MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 127 of 286
8K21101306-R4.A3L	10/20/2021 - 04/05/2022	RRU(RT4401)		Page 137 of 286
© 2022 PCTEST	•			PK-QP-16-14 Rev.01





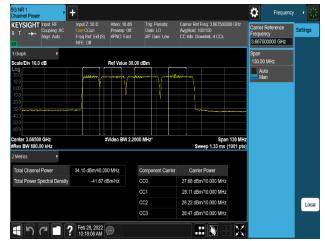




Plot 8-267. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_4C\_10M+20M+20M+20M\_16QAM-High Channel, Port 0)



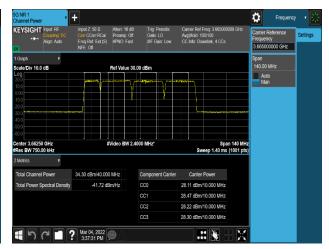
Plot 8-269. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_4C\_10M+20M+20M+20M\_16QAM-High Channel, Port 2)



Plot 8-266. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_4C\_10M+15M+20M+20M\_16QAM-High Channel, Port 3)



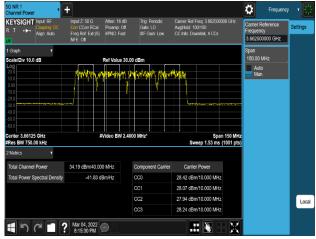
Plot 8-268. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_4C\_10M+20M+20M+20M-16QAM-High Channel, Port 1)

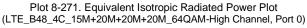


Plot 8-270. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_4C\_10M+20M+20M+20M\_16QAM-High Channel, Port 3)

FCC: A3LRT4401-48A1		MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dega 120 of 200
8K21101306-R4.A3L	10/20/2021 - 04/05/2022	RRU(RT4401)		Page 138 of 286
© 2022 PCTEST	-			PK-QP-16-14 Rev.01

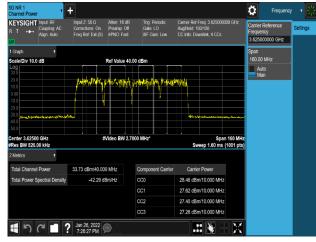








Plot 8-273. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_4C\_15M+20M+20M+20M\_64QAM-High Channel, Port 2)



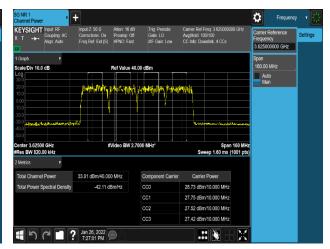
Plot 8-275. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_4C\_20M+20M+20M+20M\_256QAM-Mid Channel, Port 0)



Plot 8-272. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_4C\_15M+20M+20M+20M\_64QAM-High Channel, Port 1)



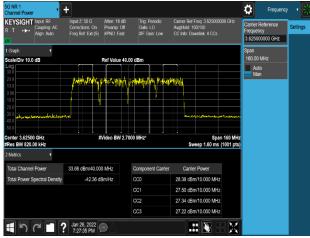
Plot 8-274. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_4C\_15M+20M+20M+20M\_64QAM-High Channel, Port 3)



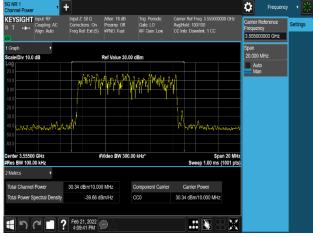
Plot 8-276. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_4C\_20M+20M+20M+20M-256QAM-Mid Channel, Port 1)

FCC: A3LRT4401-48A1		MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Daga 120 of 286
8K21101306-R4.A3L	10/20/2021 - 04/05/2022	RRU(RT4401)		Page 139 of 286
© 2022 PCTEST	-			PK-QP-16-14 Rev.01

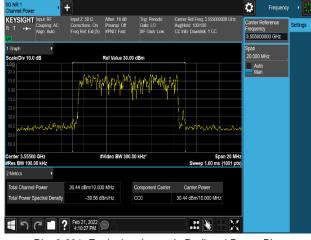




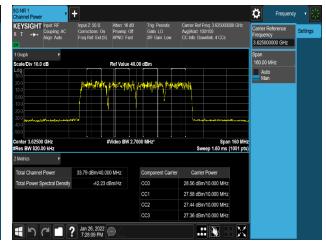




Plot 8-279. Equivalent Isotropic Radiated Power Plot (NR\_n48\_1C\_10M\_64QAM - Low Channel, Port 0)



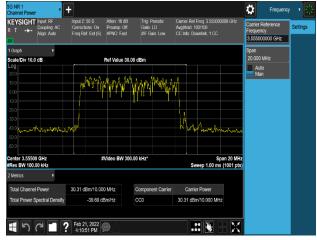
Plot 8-281. Equivalent Isotropic Radiated Power Plot (NR\_n48\_1C\_10M\_64QAM - Low Channel, Port 2)



Plot 8-278. Equivalent Isotropic Radiated Power Plot (LTE\_B48\_4C\_20M+20M+20M+20M\_256QAM-Mid Channel, Port 3)



Plot 8-280. Equivalent Isotropic Radiated Power Plot (NR\_n48\_1C\_10M\_64QAM - Low Channel, Port 1)



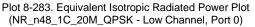
Plot 8-282. Equivalent Isotropic Radiated Power Plot (NR\_n48\_1C\_10M\_64QAM - Low Channel, Port 3)

FCC: A3LRT4401-48A1		MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 140 of 286
8K21101306-R4.A3L	10/20/2021 - 04/05/2022	RRU(RT4401)		Page 140 of 286
© 2022 PCTEST		•		PK-QP-16-14 Rev.01

PK-QP-16-14 Rev.01

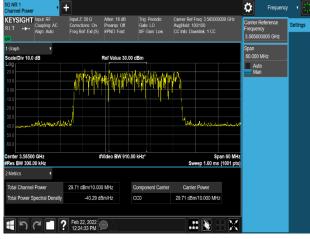








Plot 8-285. Equivalent Isotropic Radiated Power Plot (NR\_n48\_1C\_20M\_QPSK - Low Channel, Port 2)



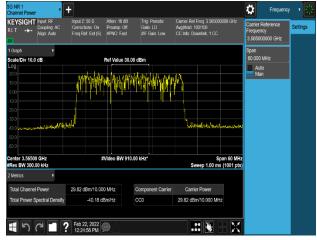
Plot 8-287. Equivalent Isotropic Radiated Power Plot (NR\_n48\_1C\_30M\_QPSK - Low Channel, Port 0)



Plot 8-284. Equivalent Isotropic Radiated Power Plot (NR\_n48\_1C\_20M\_QPSK - Low Channel, Port 1)



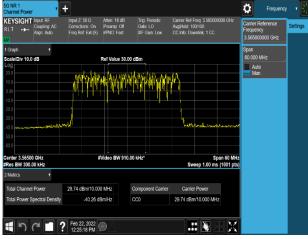
Plot 8-286. Equivalent Isotropic Radiated Power Plot (NR\_n48\_1C\_20M\_QPSK - Low Channel, Port 3)

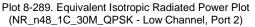


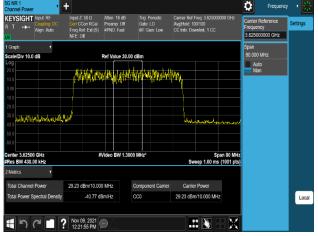
Plot 8-288. Equivalent Isotropic Radiated Power Plot (NR\_n48\_1C\_30M\_QPSK - Low Channel, Port 1)

FCC: A3LRT4401-48A1		MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dege 141 of 200
8K21101306-R4.A3L	10/20/2021 - 04/05/2022	RRU(RT4401)		Page 141 of 286
© 2022 PCTEST	·	•		PK-QP-16-14 Rev.01

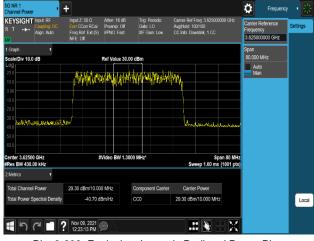


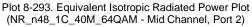


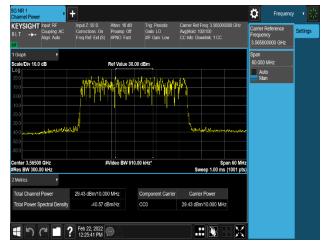


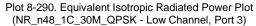


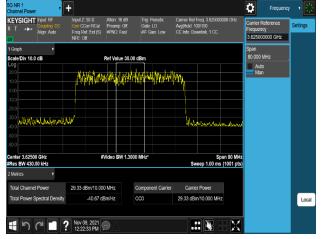




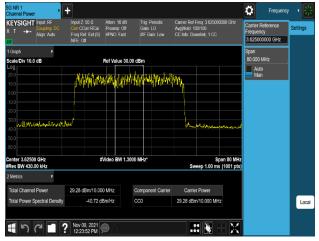








Plot 8-292. Equivalent Isotropic Radiated Power Plot (NR\_n48\_1C\_40M\_64QAM - Mid Channel, Port 1)



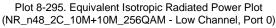
Plot 8-294. Equivalent Isotropic Radiated Power Plot (NR\_n48\_1C\_40M\_64QAM - Mid Channel, Port 3)

FCC: A3LRT4401-48A1		MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 140 of 200
8K21101306-R4.A3L	10/20/2021 - 04/05/2022	RRU(RT4401)		Page 142 of 286
© 2022 PCTEST	•	•		PK-QP-16-14 Rev.01

PK-QP-16-14 Rev.01

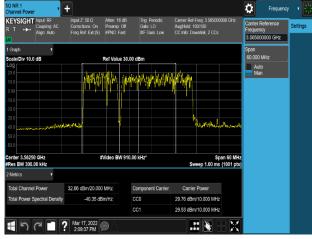








Plot 8-297. Equivalent Isotropic Radiated Power Plot (NR\_n48\_2C\_10M+10M\_256QAM - Low Channel, Port 2)



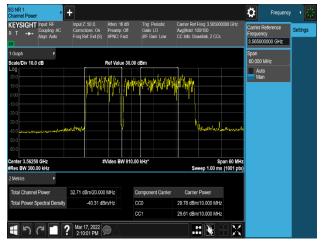
Plot 8-299. Equivalent Isotropic Radiated Power Plot (NR\_n48\_2C\_10M+20M\_64QAM - Low Channel, Port 0)



Plot 8-296. Equivalent Isotropic Radiated Power Plot (NR\_n48\_2C\_10M+10M\_256QAM - Low Channel, Port 1)



Plot 8-298. Equivalent Isotropic Radiated Power Plot (NR\_n48\_2C\_10M+10M\_256QAM - Low Channel, Port 3)



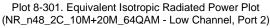
Plot 8-300. Equivalent Isotropic Radiated Power Plot (NR\_n48\_2C\_10M+20M\_64QAM - Low Channel, Port 1)

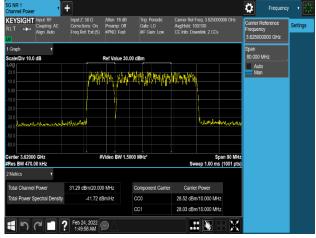
FCC: A3LRT4401-48A1		MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 142 of 200
8K21101306-R4.A3L	10/20/2021 - 04/05/2022	RRU(RT4401)		Page 143 of 286
© 2022 PCTEST	•			PK-QP-16-14 Rev.01

PK-QP-16-14 Rev.01

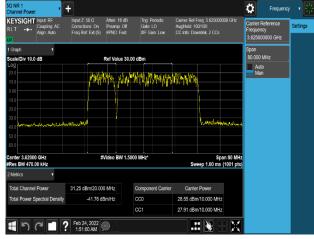




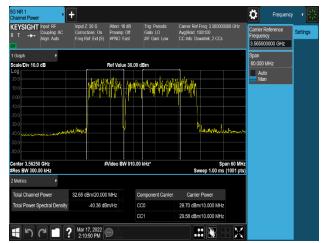




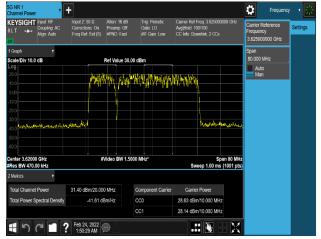
Plot 8-303. Equivalent Isotropic Radiated Power Plot (NR\_n48\_2C\_10M+30M\_16QAM - Mid Channel, Port 0)



Plot 8-305. Equivalent Isotropic Radiated Power Plot (NR\_n48\_2C\_10M+30M\_16QAM - Mid Channel, Port 2)



Plot 8-302. Equivalent Isotropic Radiated Power Plot (NR n48 2C 10M+20M 64QAM - Low Channel, Port 3)



Plot 8-304. Equivalent Isotropic Radiated Power Plot (NR\_n48\_2C\_10M+30M\_16QAM - Mid Channel, Port 1)



Plot 8-306. Equivalent Isotropic Radiated Power Plot (NR\_n48\_2C\_10M+30M\_16QAM - Mid Channel, Port 3)

FCC: A3LRT4401-48A1		MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 144 of 286
8K21101306-R4.A3L	10/20/2021 - 04/05/2022	RRU(RT4401)		
© 2022 PCTEST	-	•		PK-QP-16-14 Rev.01

PK-QP-16-14 Rev.01