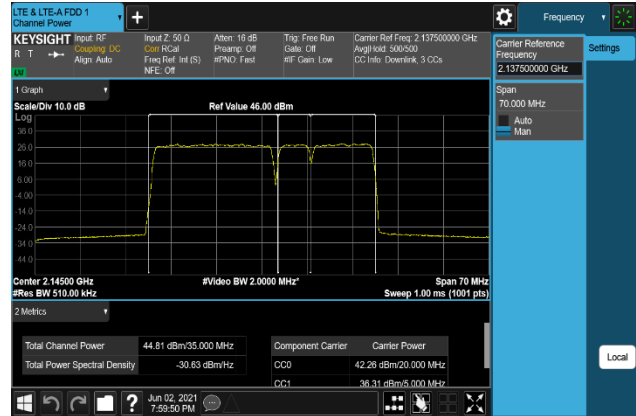
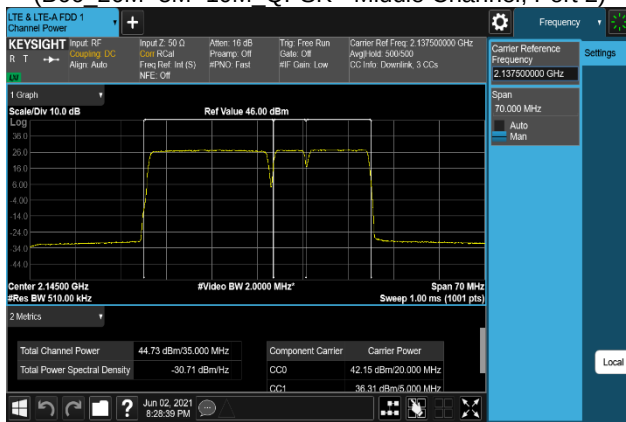




Plot 7-233. Conducted Average Output Power Plot
(B66_20M+5M+10M_QPSK - Middle Channel, Port 2)



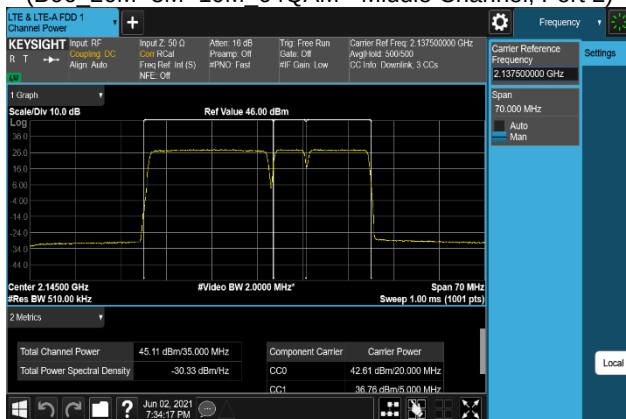
Plot 7-234. Conducted Average Output Power Plot
(B66_20M+5M+10M_16QAM - Middle Channel, Port 2)



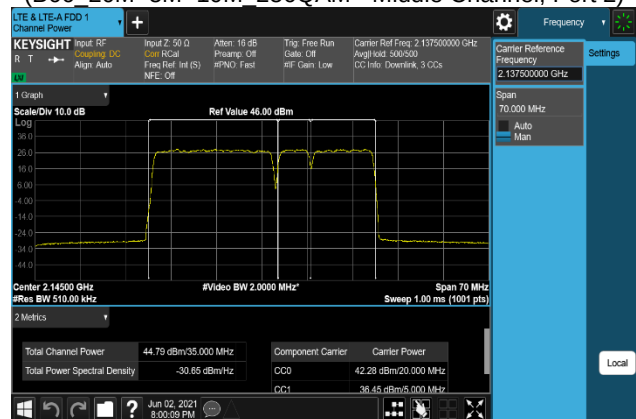
Plot 7-235. Conducted Average Output Power Plot
(B66_20M+5M+10M_64QAM - Middle Channel, Port 2)



Plot 7-236. Conducted Average Output Power Plot
(B66_20M+5M+10M_256QAM - Middle Channel, Port 2)



Plot 7-237. Conducted Average Output Power Plot
(B66_20M+5M+10M_QPSK - Middle Channel, Port 3)

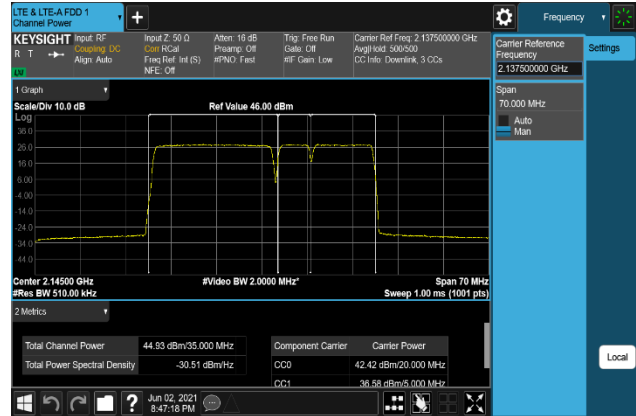


Plot 7-238. Conducted Average Output Power Plot
(B66_20M+5M+10M_16QAM - Middle Channel, Port 3)

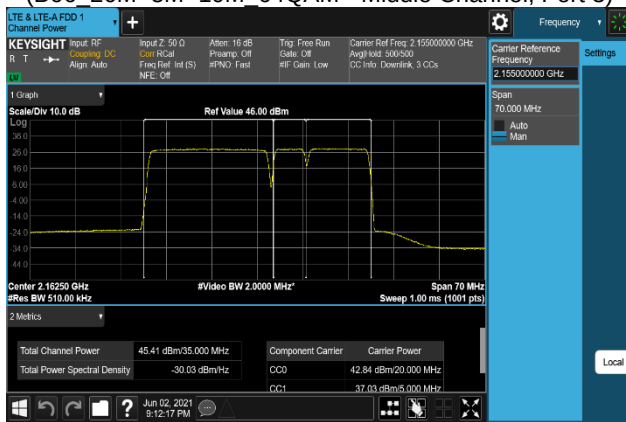
FCC ID: A3LRF4402D-D1A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Class II Permissive Change)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21053101R1.A3L	Test Dates: 06/01/2021-06/15/2021	EUT Type: RRU(RF4402d)		Page 61 of 515



Plot 7-239. Conducted Average Output Power Plot
(B66_20M+5M+10M_64QAM - Middle Channel, Port 3)



Plot 7-240. Conducted Average Output Power Plot
(B66_20M+5M+10M_256QAM - Middle Channel, Port 3)



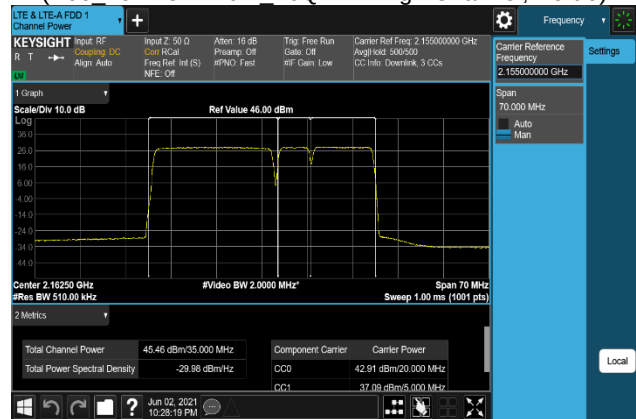
Plot 7-241. Conducted Average Output Power Plot
(B66_20M+5M+10M_QPSK - High Channel, Port 0)



Plot 7-242. Conducted Average Output Power Plot
(B66_20M+5M+10M_16QAM - High Channel, Port 0)

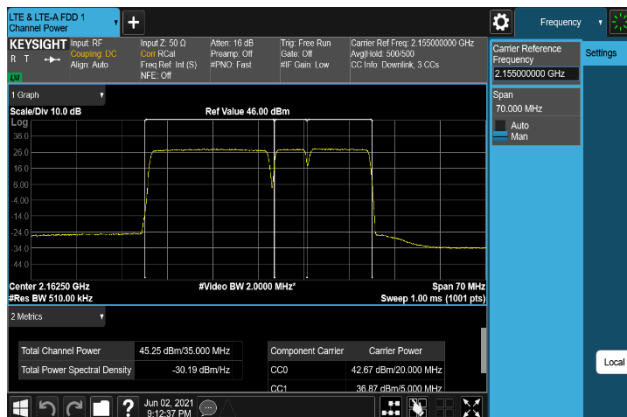


Plot 7-243. Conducted Average Output Power Plot
(B66_20M+5M+10M_64QAM - High Channel, Port 0)



Plot 7-244. Conducted Average Output Power Plot
(B66_20M+5M+10M_256QAM - High Channel, Port 0)

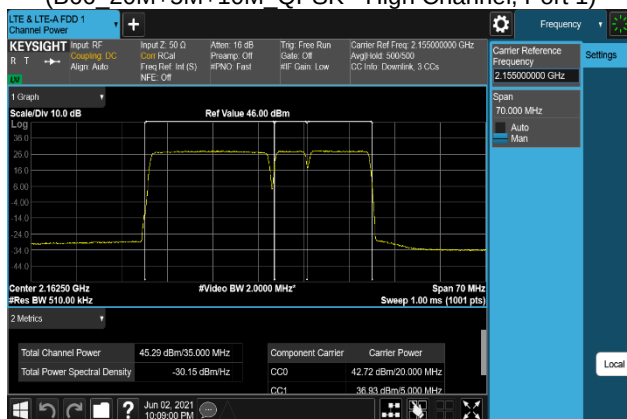
FCC ID: A3LRF4402D-D1A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Class II Permissive Change)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21053101R1.A3L	Test Dates: 06/01/2021-06/15/2021	EUT Type: RRU(RF4402d)		Page 62 of 515



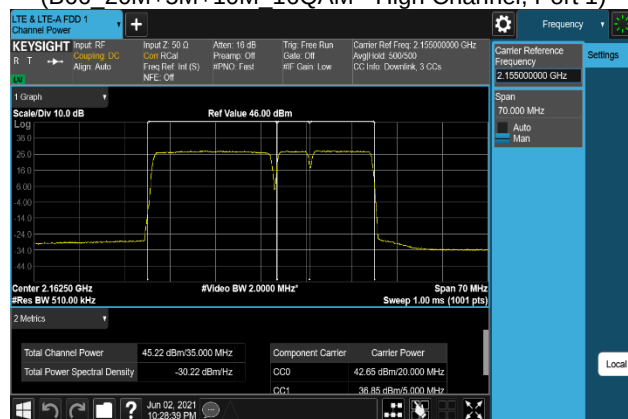
Plot 7-245. Conducted Average Output Power Plot
(B66_20M+5M+10M_QPSK - High Channel, Port 1)



Plot 7-246. Conducted Average Output Power Plot
(B66_20M+5M+10M_16QAM - High Channel, Port 1)



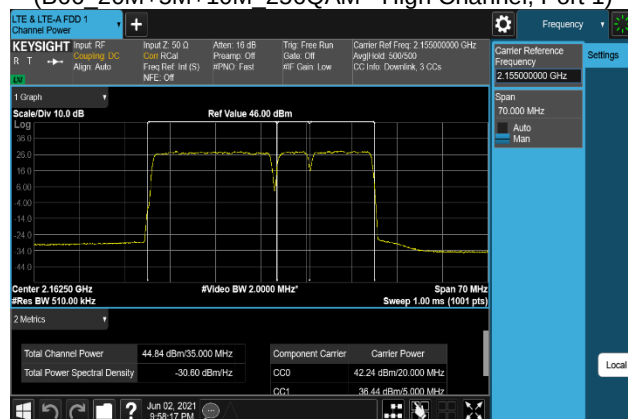
Plot 7-247. Conducted Average Output Power Plot
(B66_20M+5M+10M_64QAM - High Channel, Port 1)



Plot 7-248. Conducted Average Output Power Plot
(B66_20M+5M+10M_256QAM - High Channel, Port 1)



Plot 7-249. Conducted Average Output Power Plot
(B66_20M+5M+10M_QPSK - High Channel, Port 2)



Plot 7-250. Conducted Average Output Power Plot
(B66_20M+5M+10M_16QAM - High Channel, Port 2)

FCC ID: A3LRF4402D-D1A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Class II Permissive Change)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21053101R1.A3L	Test Dates: 06/01/2021-06/15/2021	EUT Type: RRU(RF4402d)		Page 63 of 515



Plot 7-251. Conducted Average Output Power Plot
(B66_20M+5M+10M_64QAM - High Channel, Port 2)



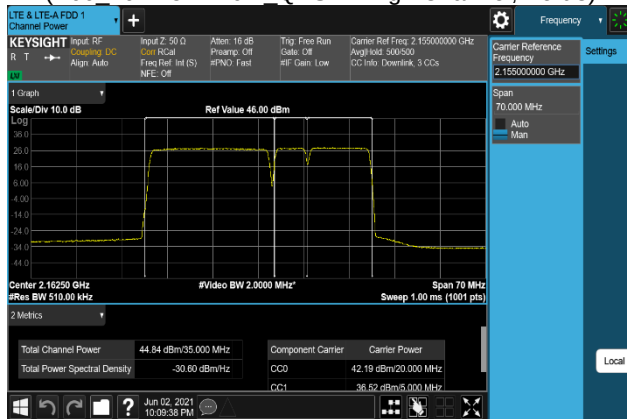
Plot 7-252. Conducted Average Output Power Plot
(B66_20M+5M+10M_256QAM - High Channel, Port 2)



Plot 7-253. Conducted Average Output Power Plot
(B66_20M+5M+10M_QPSK - High Channel, Port 3)



Plot 7-254. Conducted Average Output Power Plot
(B66_20M+5M+10M_16QAM - High Channel, Port 3)



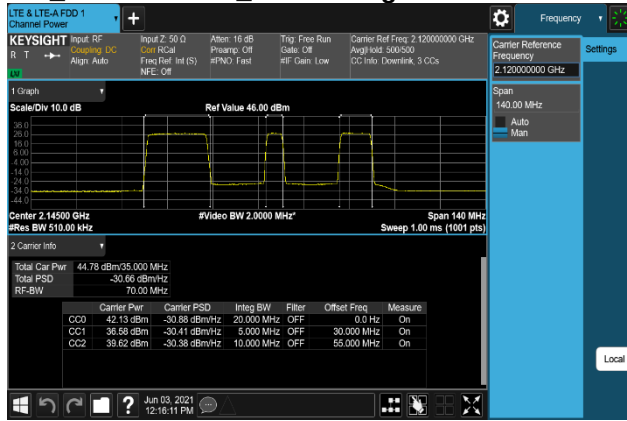
Plot 7-255. Conducted Average Output Power Plot
(B66_20M+5M+10M_64QAM - High Channel, Port 3)



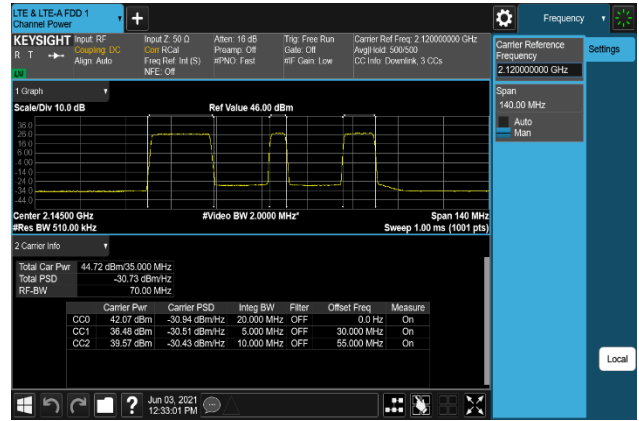
Plot 7-256. Conducted Average Output Power Plot
(B66_20M+5M+10M_256QAM - High Channel, Port 3)

FCC ID: A3LRF4402D-D1A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Class II Permissive Change)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21053101R1.A3L	Test Dates: 06/01/2021-06/15/2021	EUT Type: RRU(RF4402d)		Page 64 of 515

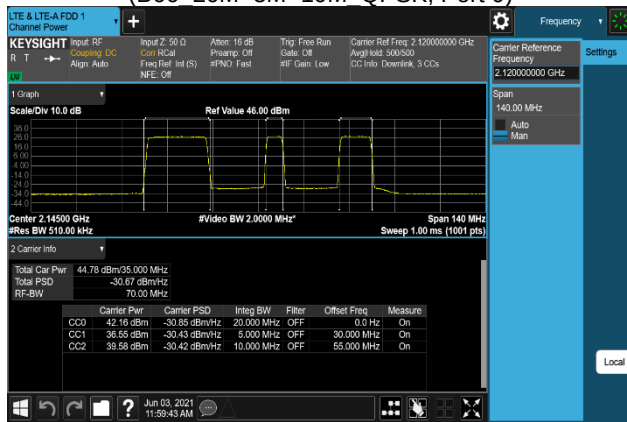
- B66 20M+5M+10M Non-Contiguous



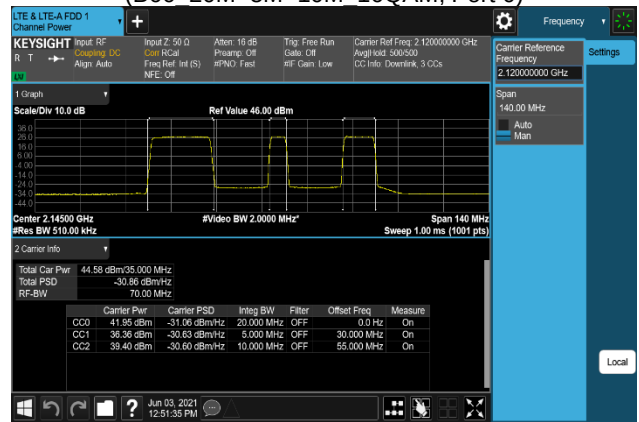
Plot 7-257. Conducted Average Output Power Plot (B66 20M+5M+10M QPSK, Port 0)



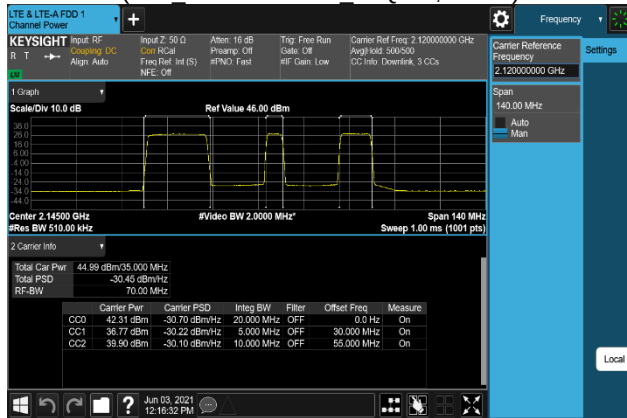
Plot 7-258. Conducted Average Output Power Plot (B66 20M+5M+10M 16QAM, Port 0)



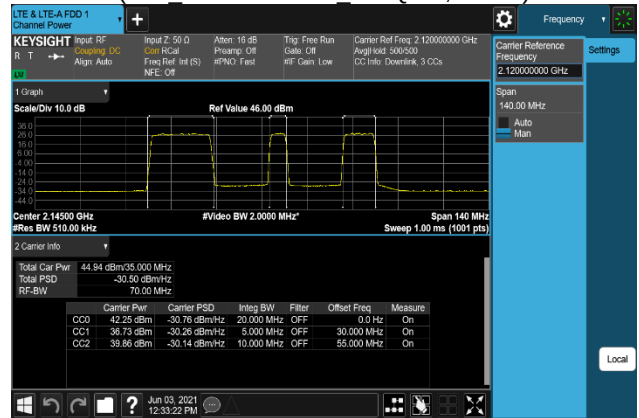
Plot 7-259. Conducted Average Output Power Plot (B66 20M+5M+10M 64QAM, Port 0)



Plot 7-260. Conducted Average Output Power Plot (B66 20M+5M+10M 256QAM, Port 0)

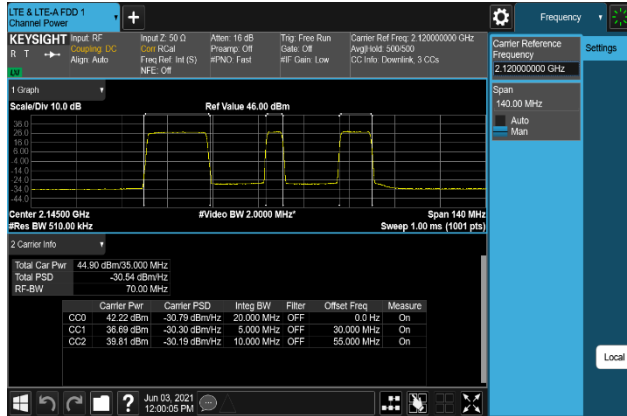


Plot 7-261. Conducted Average Output Power Plot (B66_20M+5M+10M_QPSK, Port 1)

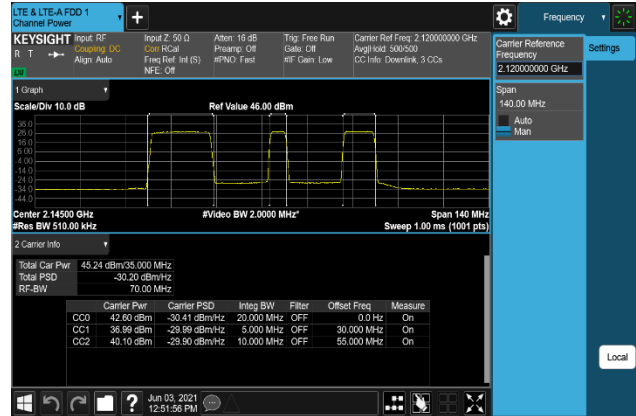


Plot 7-262. Conducted Average Output Power Plot (B66_20M+5M+10M_16QAM, Port 1)

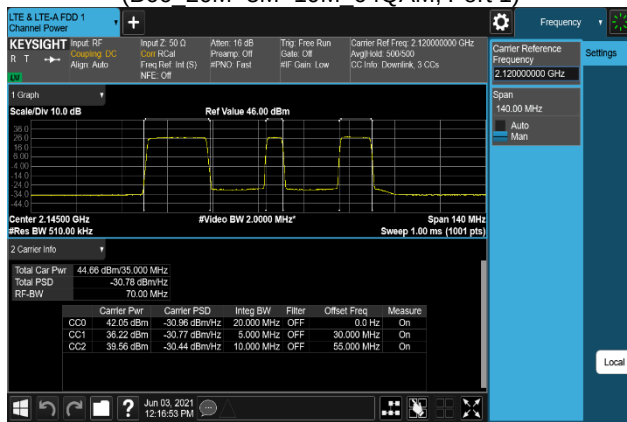
FCC ID: A3LRF4402D-D1A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Class II Permissive Change)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21053101R1.A3L	Test Dates: 06/01/2021-06/15/2021	EUT Type: RRU(RF4402d)		Page 65 of 515



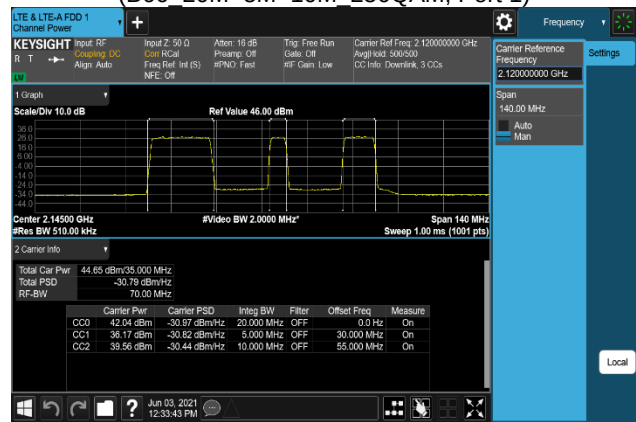
Plot 7-263. Conducted Average Output Power Plot (B66_20M+5M+10M_64QAM, Port 1)



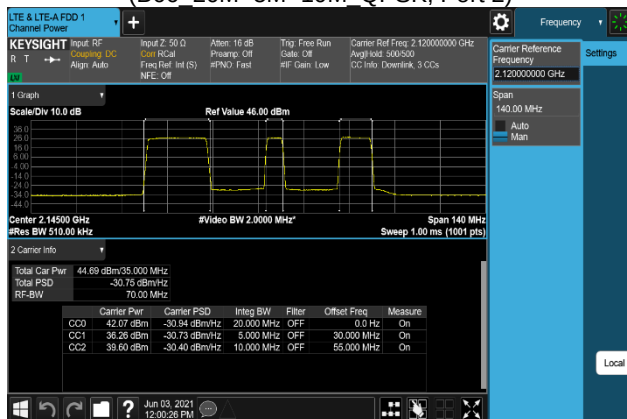
Plot 7-264. Conducted Average Output Power Plot (B66_20M+5M+10M_256QAM, Port 1)



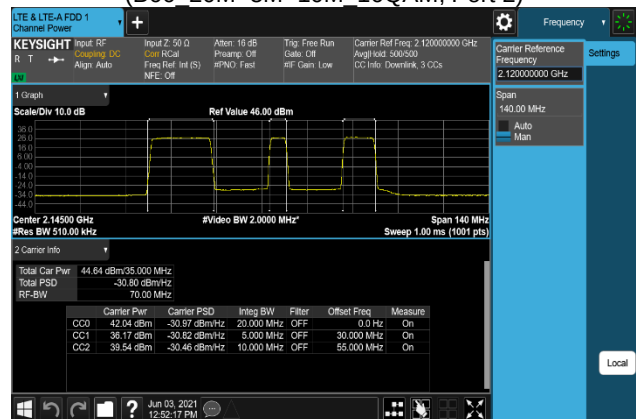
Plot 7-265. Conducted Average Output Power Plot (B66_20M+5M+10M_QPSK, Port 2)



Plot 7-266. Conducted Average Output Power Plot (B66_20M+5M+10M_16QAM, Port 2)

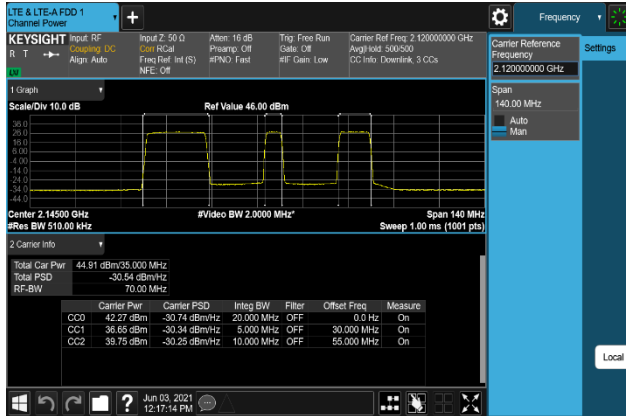


Plot 7-267. Conducted Average Output Power Plot (B66_20M+5M+10M_64QAM, Port 2)

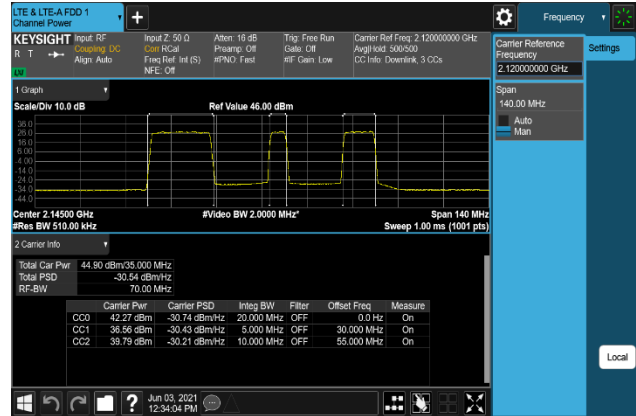


Plot 7-268. Conducted Average Output Power Plot (B66_20M+5M+10M_256QAM, Port 2)

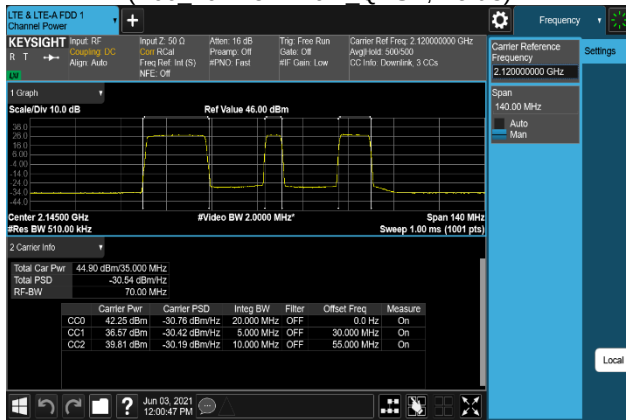
FCC ID: A3LRF4402D-D1A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Class II Permissive Change)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21053101R1.A3L	Test Dates: 06/01/2021-06/15/2021	EUT Type: RRU(RF4402d)		Page 66 of 515



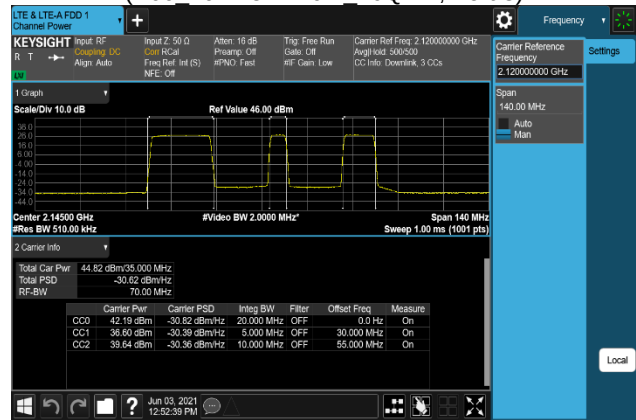
Plot 7-269. Conducted Average Output Power Plot (B66_20M+5M+10M_QPSK, Port 3)



Plot 7-270. Conducted Average Output Power Plot (B66_20M+5M+10M_16QAM, Port 3)



Plot 7-271. Conducted Average Output Power Plot (B66_20M+5M+10M_64QAM, Port 3)



Plot 7-272. Conducted Average Output Power Plot (B66_20M+5M+10M_256QAM, Port 3)

FCC ID: A3LRF4402D-D1A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Class II Permissive Change)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: BK21053101R1.A3L	Test Dates: 06/01/2021-06/15/2021	EUT Type: RRU(RF4402d)		Page 67 of 515

- B2_20M+5M_Contiguous

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	42.80	42.73	42.76	42.83
	1	43.00	42.96	43.01	43.03
	2	42.46	42.42	42.45	42.53
	3	42.51	42.47	42.64	42.60
Total MIMO Conducted Power (mW)		74450.78	73638.24	74823.15	75380.68
Total MIMO Conducted Power (dBm)		48.72	48.67	48.74	48.77

Table 7-13. Conducted Average Output Power Table (B2_20M+5M_Contiguous - Low Channel)

Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	42.85	42.89	42.92	42.92
	1	43.01	43.03	43.13	43.12
	2	42.40	42.50	42.49	42.58
	3	42.51	42.47	42.51	42.51
Total MIMO Conducted Power (mW)		74475.66	74987.70	75713.04	76037.26
Total MIMO Conducted Power (dBm)		48.72	48.75	48.79	48.81

Table 7-14. Conducted Average Output Power Table (B2_20M+5M_Contiguous - Middle Channel)

High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	42.95	42.87	42.96	43.13
	1	43.04	43.02	43.20	43.19
	2	42.44	42.52	42.48	42.52
	3	42.46	42.66	42.77	42.58
Total MIMO Conducted Power (mW)		75020.04	75723.97	77287.18	77382.09
Total MIMO Conducted Power (dBm)		48.75	48.79	48.88	48.89

Table 7-15. Conducted Average Output Power Table (B2_20M+5M_Contiguous - High Channel)

FCC ID: A3LRF4402D-D1A		MEASUREMENT REPORT (Class II Permissive Change)			Approved by: Technical Manager
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- B2_20M+5M_Non-Contiguous

	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	42.73	42.74	42.90	42.90
	1	42.85	42.83	42.81	42.80
	2	42.32	42.36	42.35	42.44
	3	42.47	42.49	42.59	42.62
Total MIMO Conducted Power (mW)		72746.40	72940.44	73931.22	74372.86
Total MIMO Conducted Power (dBm)		48.62	48.63	48.69	48.71

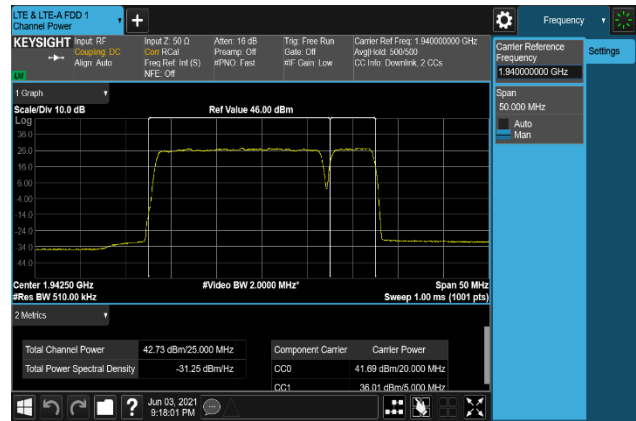
Table 7-16. Conducted Average Output Power Table (B2_20M+5M_Non-Contiguous)

FCC ID: A3LRF4402D-D1A	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K21053101R1.A3L	Test Dates: 06/01/2021-06/15/2021	EUT Type: RRU(RF4402d)	Page 69 of 515	

- B2_20M+5M_Contiguous



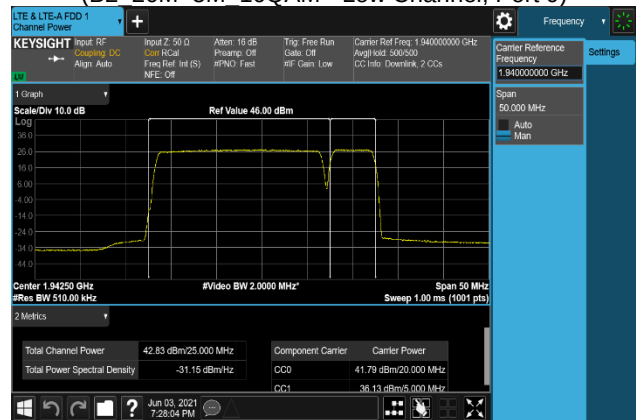
Plot 7-273. Conducted Average Output Power Plot
(B2_20M+5M_QPSK - Low Channel, Port 0)



Plot 7-274. Conducted Average Output Power Plot
(B2_20M+5M_16QAM - Low Channel, Port 0)



Plot 7-275. Conducted Average Output Power Plot
(B2_20M+5M_64QAM - Low Channel, Port 0)



Plot 7-276. Conducted Average Output Power Plot
(B2_20M+5M_256QAM - Low Channel, Port 0)

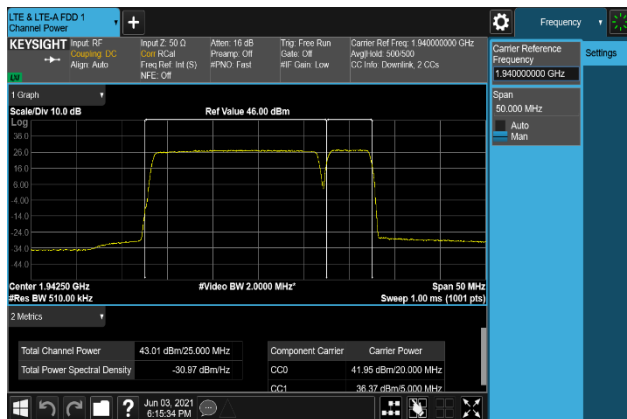


Plot 7-277. Conducted Average Output Power Plot
(B2_20M+5M_QPSK - Low Channel, Port 1)

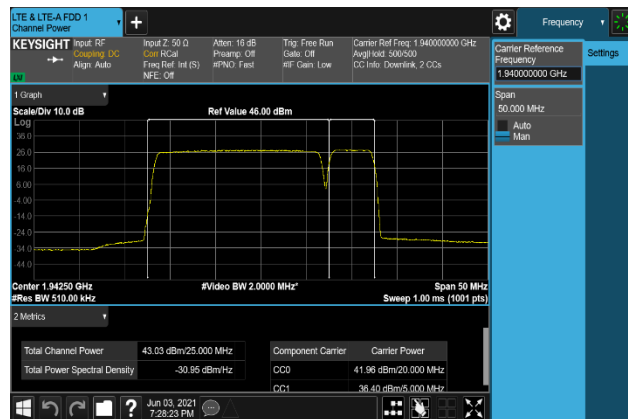


Plot 7-278. Conducted Average Output Power Plot
(B2_20M+5M_16QAM - Low Channel, Port 1)

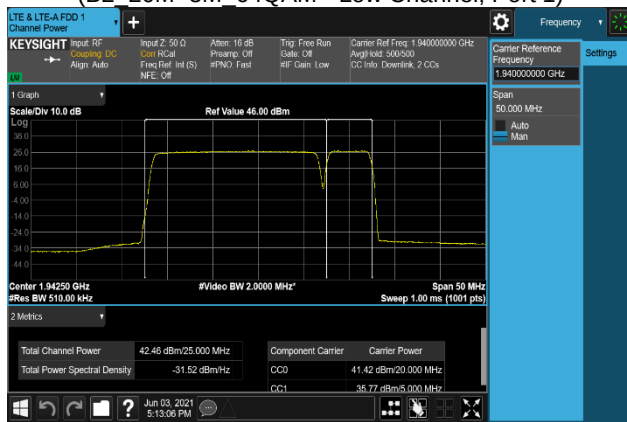
FCC ID: A3LRF4402D-D1A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Class II Permissive Change)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21053101R1.A3L	Test Dates: 06/01/2021-06/15/2021	EUT Type: RRU(RF4402d)		Page 70 of 515



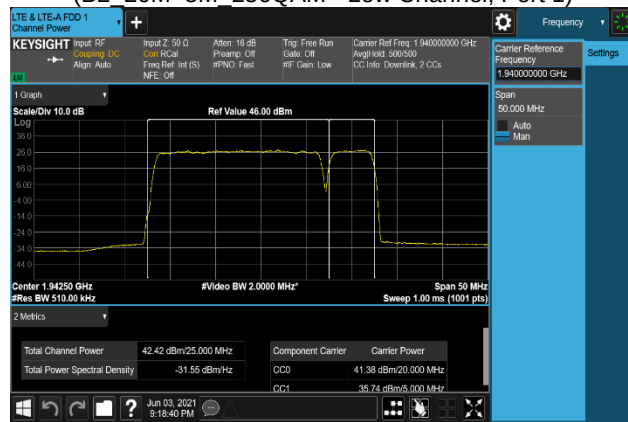
Plot 7-279. Conducted Average Output Power Plot
(B2_20M+5M_64QAM - Low Channel, Port 1)



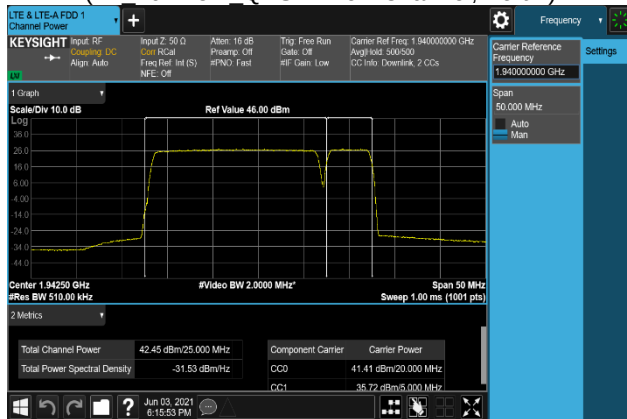
Plot 7-280. Conducted Average Output Power Plot
(B2_20M+5M_256QAM - Low Channel, Port 1)



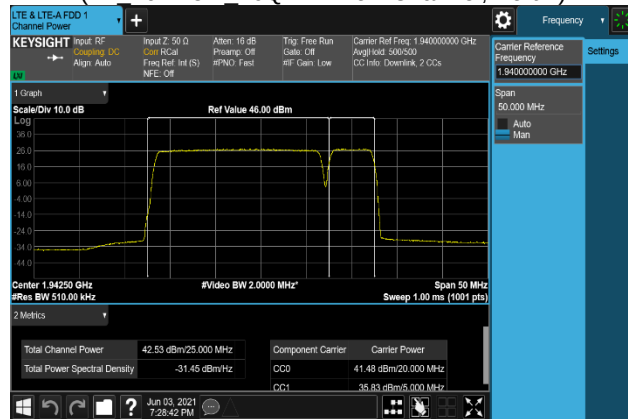
Plot 7-281. Conducted Average Output Power Plot
(B2_20M+5M_QPSK - Low Channel, Port 2)



Plot 7-282. Conducted Average Output Power Plot
(B2_20M+5M_16QAM - Low Channel, Port 2)

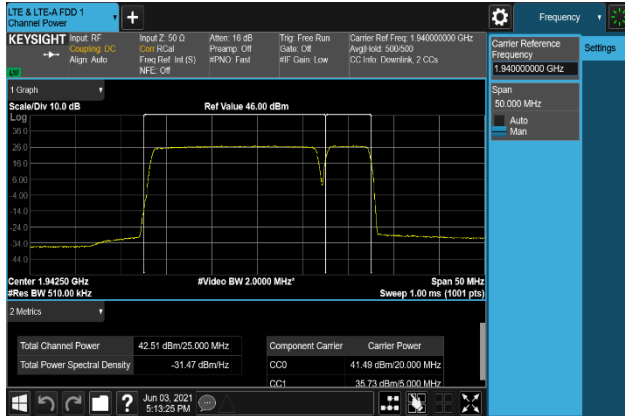


Plot 7-283. Conducted Average Output Power Plot
(B2_20M+5M_64QAM - Low Channel, Port 2)

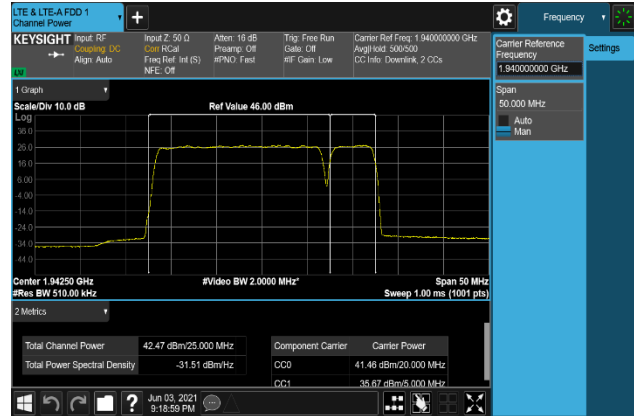


Plot 7-284. Conducted Average Output Power Plot
(B2_20M+5M_256QAM - Low Channel, Port 2)

FCC ID: A3LRF4402D-D1A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Class II Permissive Change)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: BK21053101R1.A3L	Test Dates: 06/01/2021-06/15/2021	EUT Type: RRU(RF4402d)		Page 71 of 515



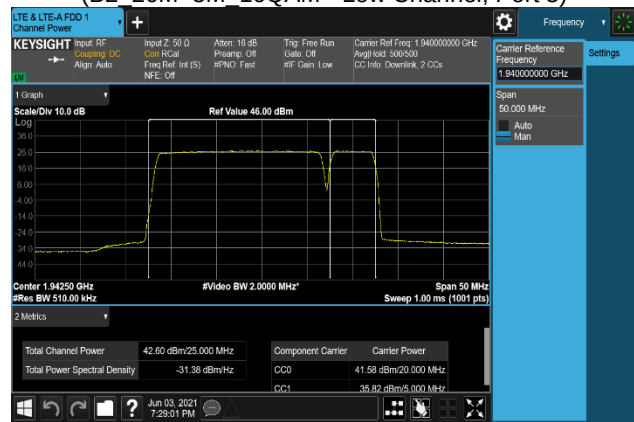
Plot 7-285. Conducted Average Output Power Plot
(B2_20M+5M_QPSK - Low Channel, Port 3)



Plot 7-286. Conducted Average Output Power Plot
(B2_20M+5M_16QAM - Low Channel, Port 3)



Plot 7-287. Conducted Average Output Power Plot
(B2_20M+5M_64QAM - Low Channel, Port 3)



Plot 7-288. Conducted Average Output Power Plot
(B2_20M+5M_256QAM - Low Channel, Port 3)

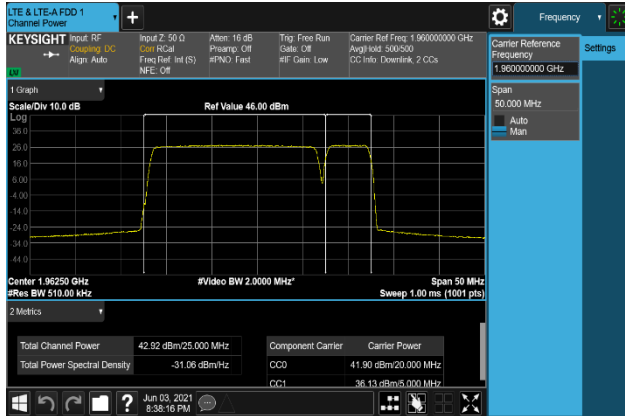


Plot 7-289. Conducted Average Output Power Plot
(B2_20M+5M_QPSK - Middle Channel, Port 0)

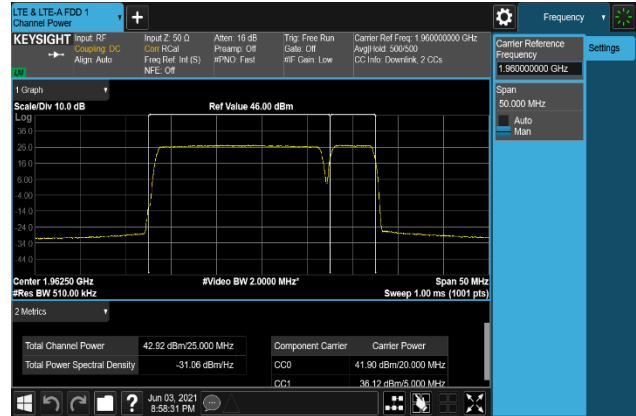


Plot 7-290. Conducted Average Output Power Plot
(B2_20M+5M_16QAM - Middle Channel, Port 0)

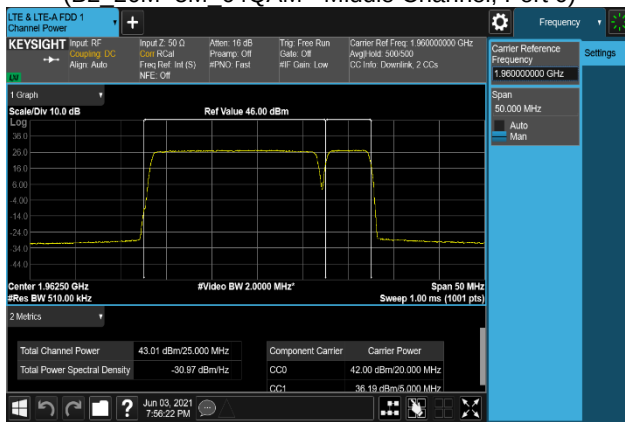
FCC ID: A3LRF4402D-D1A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Class II Permissive Change)	SAMSUNG	Approved by: Technical Manager
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Plot 7-291. Conducted Average Output Power Plot
(B2_20M+5M_64QAM - Middle Channel, Port 0)



Plot 7-292. Conducted Average Output Power Plot
(B2_20M+5M_256QAM - Middle Channel, Port 0)



Plot 7-293. Conducted Average Output Power Plot
(B2_20M+5M_QPSK - Middle Channel, Port 1)



Plot 7-294. Conducted Average Output Power Plot
(B2_20M+5M_16QAM - Middle Channel, Port 1)

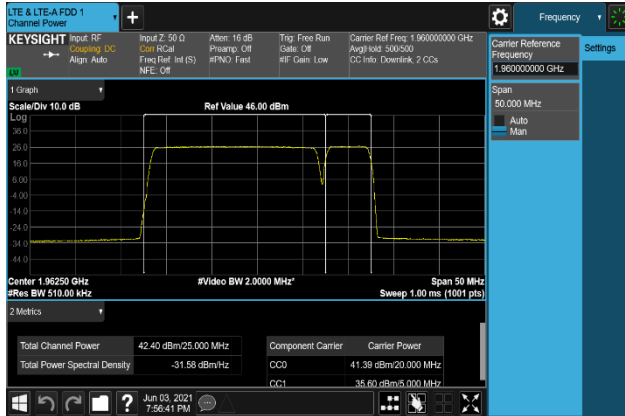


Plot 7-295. Conducted Average Output Power Plot
(B2_20M+5M_64QAM - Middle Channel, Port 1)

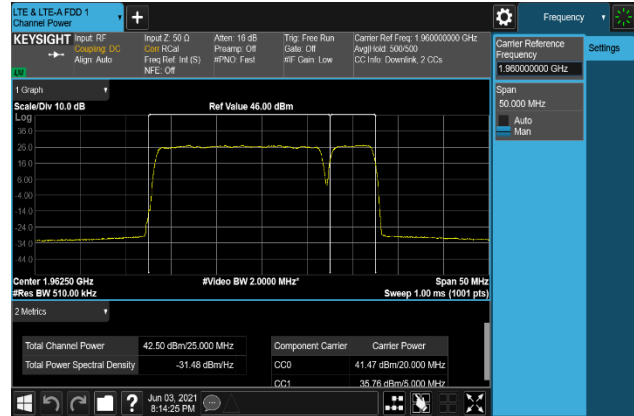


Plot 7-296. Conducted Average Output Power Plot
(B2_20M+5M_256QAM - Middle Channel, Port 1)

FCC ID: A3LRF4402D-D1A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Class II Permissive Change)	SAMSUNG	Approved by: Technical Manager
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Plot 7-297. Conducted Average Output Power Plot
(B2_20M+5M_QPSK - Middle Channel, Port 2)



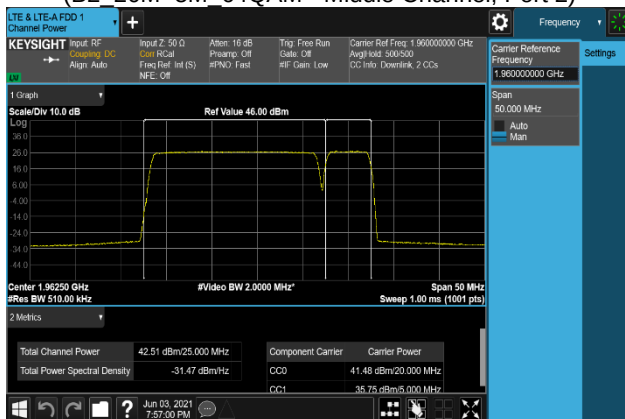
Plot 7-298. Conducted Average Output Power Plot
(B2_20M+5M_16QAM - Middle Channel, Port 2)



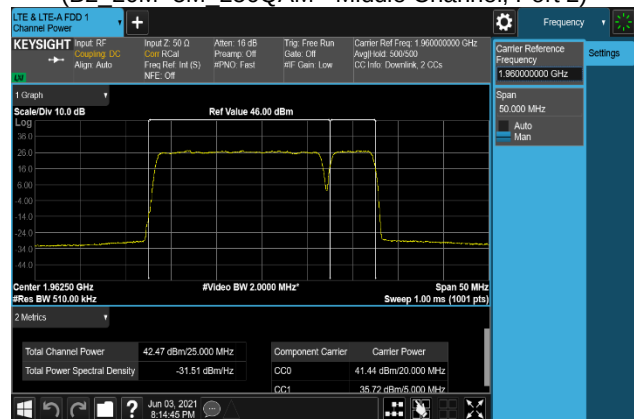
Plot 7-299. Conducted Average Output Power Plot
(B2_20M+5M_64QAM - Middle Channel, Port 2)



Plot 7-300. Conducted Average Output Power Plot
(B2_20M+5M_256QAM - Middle Channel, Port 2)

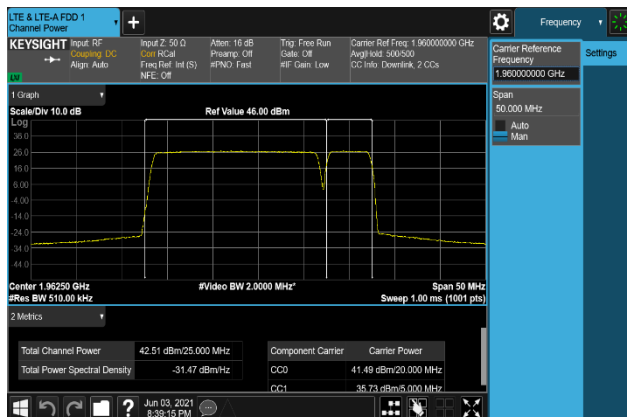


Plot 7-301. Conducted Average Output Power Plot
(B2_20M+5M_QPSK - Middle Channel, Port 3)



Plot 7-302. Conducted Average Output Power Plot
(B2_20M+5M_16QAM - Middle Channel, Port 3)

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Plot 7-303. Conducted Average Output Power Plot
(B2_20M+5M_64QAM - Middle Channel, Port 3)



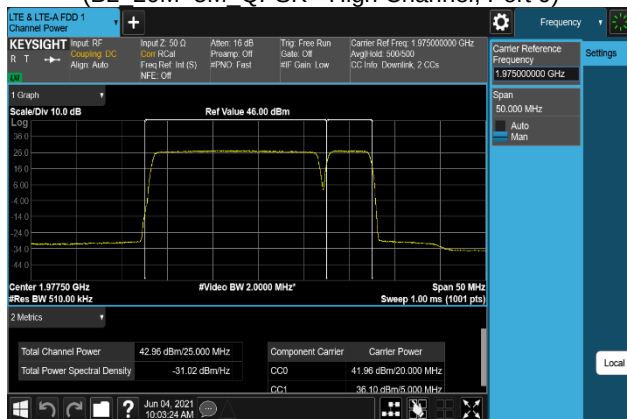
Plot 7-304. Conducted Average Output Power Plot
(B2_20M+5M_256QAM - Middle Channel, Port 3)



Plot 7-305. Conducted Average Output Power Plot
(B2_20M+5M_QPSK - High Channel, Port 0)



Plot 7-306. Conducted Average Output Power Plot
(B2_20M+5M_16QAM - High Channel, Port 0)



Plot 7-307. Conducted Average Output Power Plot
(B2_20M+5M_64QAM - High Channel, Port 0)

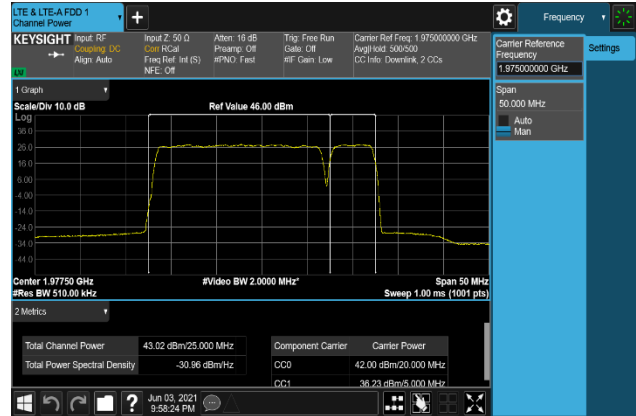


Plot 7-308. Conducted Average Output Power Plot
(B2_20M+5M_256QAM - High Channel, Port 0)

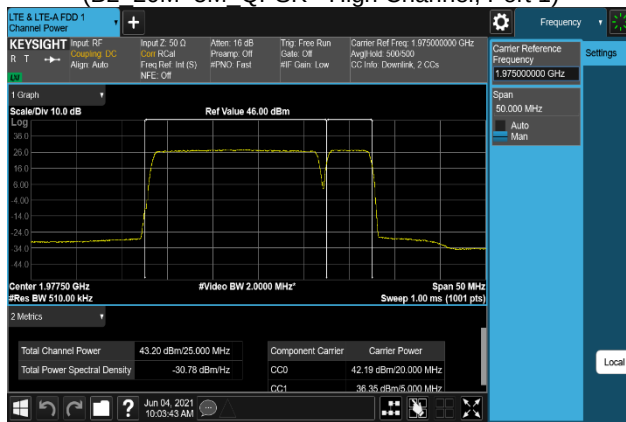
FCC ID: A3LRF4402D-D1A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Class II Permissive Change)	SAMSUNG	Approved by: Technical Manager
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Plot 7-309. Conducted Average Output Power Plot
(B2_20M+5M_QPSK - High Channel, Port 1)



Plot 7-310. Conducted Average Output Power Plot
(B2_20M+5M_16QAM - High Channel, Port 1)



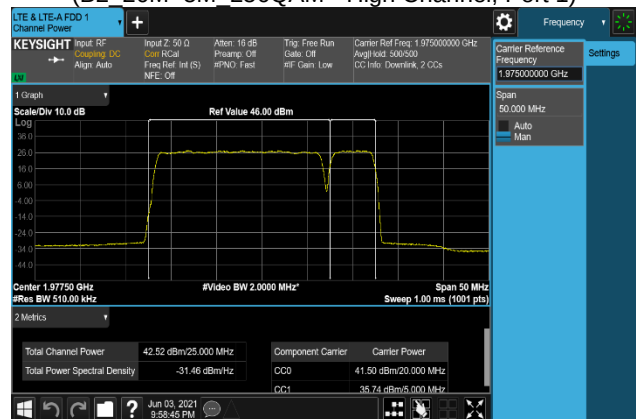
Plot 7-311. Conducted Average Output Power Plot
(B2_20M+5M_64QAM - High Channel, Port 1)



Plot 7-312. Conducted Average Output Power Plot
(B2_20M+5M_256QAM - High Channel, Port 1)



Plot 7-313. Conducted Average Output Power Plot
(B2_20M+5M_QPSK - High Channel, Port 2)



Plot 7-314. Conducted Average Output Power Plot
(B2_20M+5M_16QAM - High Channel, Port 2)

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