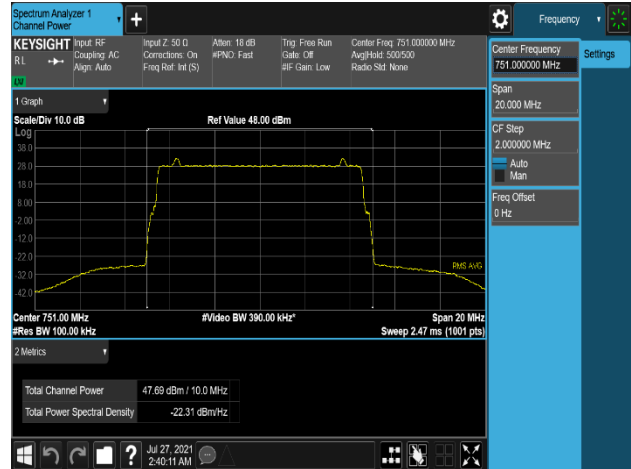




Plot 7-361. Conducted Average Output Power Plot
(B13_10M+Low_NB-lot(IB)+High_NB-lot(IB)_1C - Port 0)



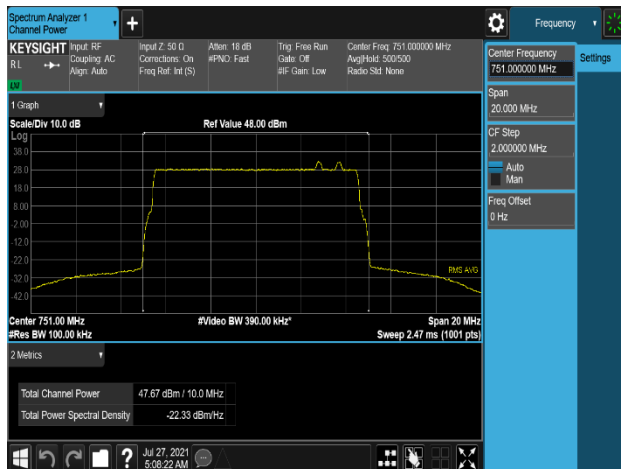
Plot 7-362. Conducted Average Output Power Plot
(B13_10M+Low_NB-lot(IB)+High_NB-lot(IB)_1C - Port 1)



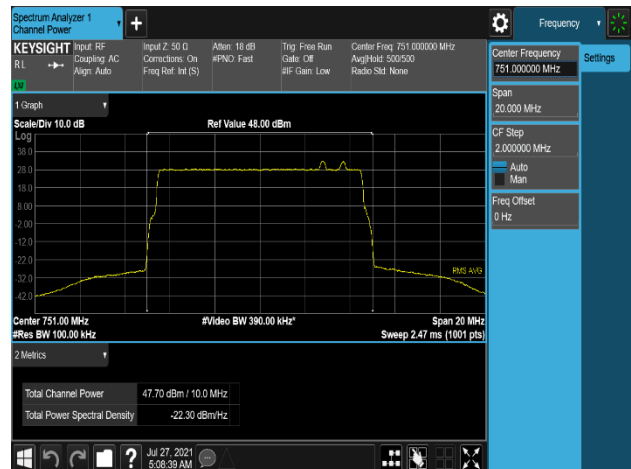
Plot 7-363. Conducted Average Output Power Plot
(B13_10M+Low_NB-lot(IB)+Low_NB-lot(IB)_1C - Port 0)



Plot 7-364. Conducted Average Output Power Plot
(B13_10M+Low_NB-lot(IB)+Low_NB-lot(IB)_1C - Port 1)



Plot 7-365. Conducted Average Output Power Plot
(B13_10M+High_NB-lot(IB)+High_NB-lot(IB)_1C - Port 0)



Plot 7-366. Conducted Average Output Power Plot
(B13_10M+High_NB-lot(IB)+High_NB-lot(IB)_1C - Port 1)

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Middle Channel	Port	QPSK
Conducted Average Power (dBm)	0	45.91
	1	45.94
	2	45.75
	3	45.68
Total MIMO Conducted Power (mW)		152825.25
Total MIMO Conducted Power (dBm)		51.84

Table 7-79. Conducted Average Output Power Table (B13_10M+Low_NB-Iot(IB)+High_NB-Iot(IB)_1C_4T)

Middle Channel	Port	QPSK
Conducted Average Power (dBm)	0	45.88
	1	45.90
	2	45.74
	3	45.60
Total MIMO Conducted Power (mW)		151435.38
Total MIMO Conducted Power (dBm)		51.80

Table 7-80. Conducted Average Output Power Table (B13_10M+Low_NB-Iot(IB)+Low_NB-Iot(IB)_1C_4T)

Middle Channel	Port	QPSK
Conducted Average Power (dBm)	0	45.91
	1	45.97
	2	45.76
	3	45.67
Total MIMO Conducted Power (mW)		153099.00
Total MIMO Conducted Power (dBm)		51.85

Table 7-81. Conducted Average Output Power Table (B13_10M+High_NB-Iot(IB)+High_NB-Iot(IB)_1C_4T)

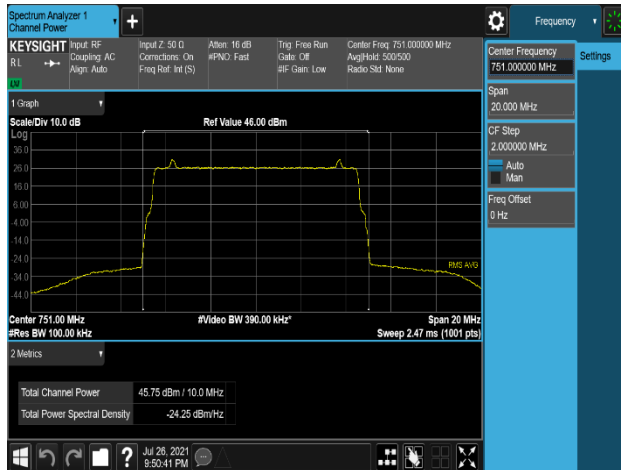
FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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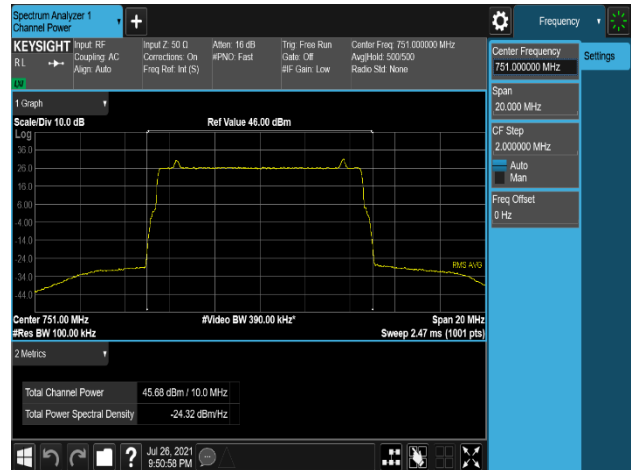
Plot 7-367. Conducted Average Output Power Plot
(B13_10M+Low_NB-lot(IB)+High_NB-lot(IB)_1C - Port 0)



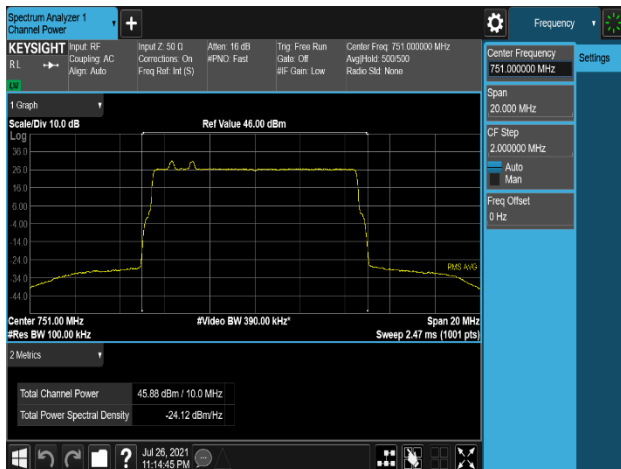
Plot 7-368. Conducted Average Output Power Plot
(B13_10M+Low_NB-lot(IB)+High_NB-lot(IB)_1C - Port 1)



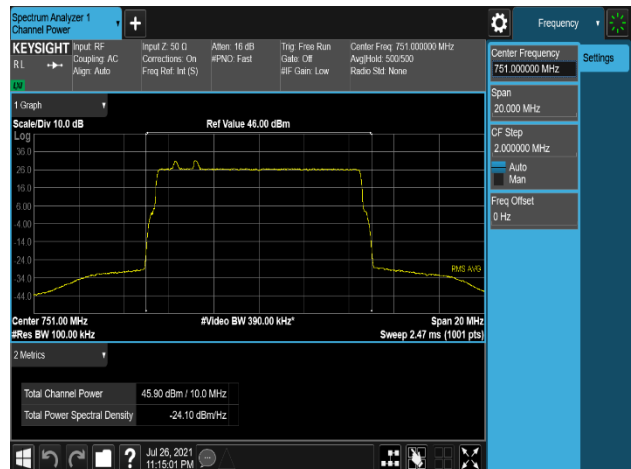
Plot 7-369. Conducted Average Output Power Plot
(B13_10M+Low_NB-lot(IB)+High_NB-lot(IB)_1C - Port 2)



Plot 7-370. Conducted Average Output Power Plot
(B13_10M+Low_NB-lot(IB)+High_NB-lot(IB)_1C - Port 3)

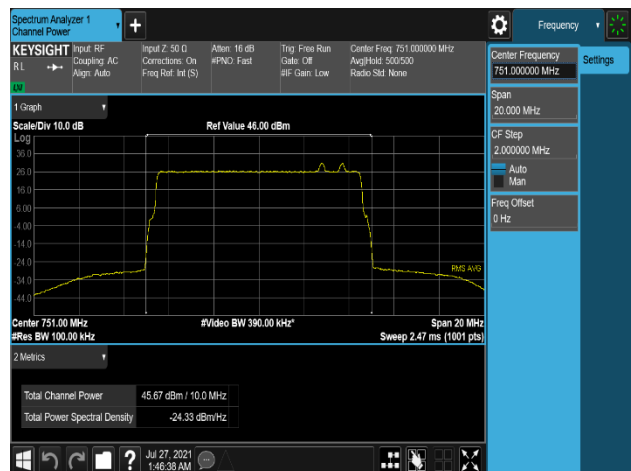
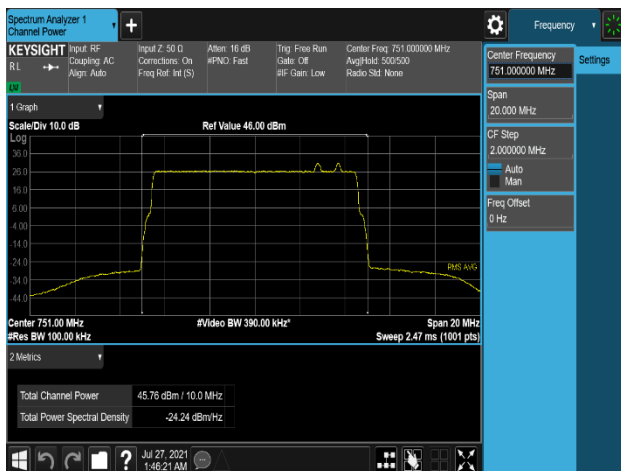
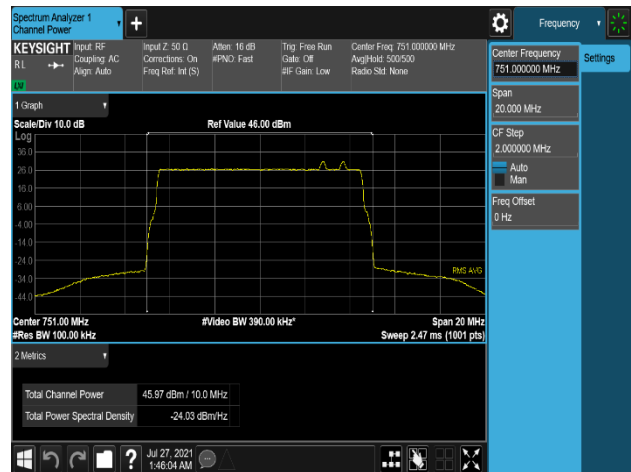
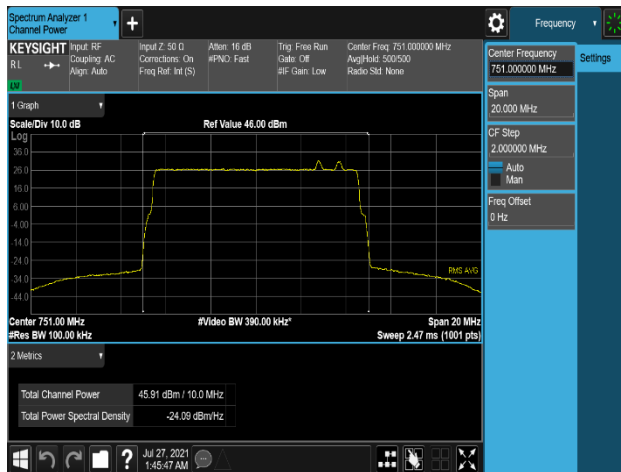
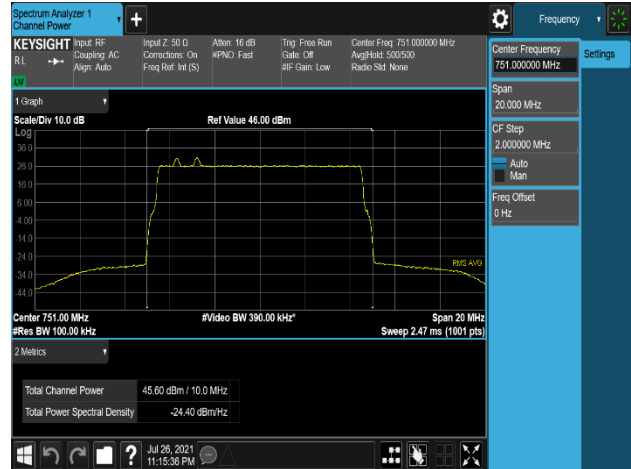


Plot 7-371. Conducted Average Output Power Plot
(B13_10M+Low_NB-lot(IB)+Low_NB-lot(IB)_1C - Port 0)



Plot 7-372. Conducted Average Output Power Plot
(B13_10M+Low_NB-lot(IB)+Low_NB-lot(IB)_1C - Port 1)

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Middle Channel	Port	QPSK
Conducted Average Power (dBm)	0	47.71
	1	47.69
Total MIMO Conducted Power (mW)		117769.04
Total MIMO Conducted Power (dBm)		50.71

Table 7-82. Conducted Average Output Power Table (B13_10M+Low_NB-lot(GB)+High_NB-lot(GB)_3C_2T)

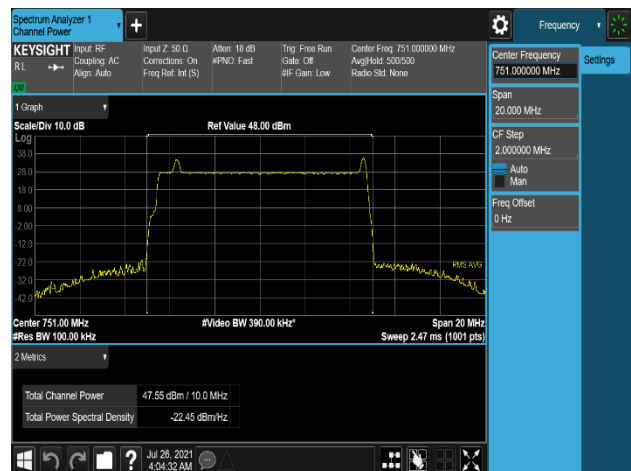
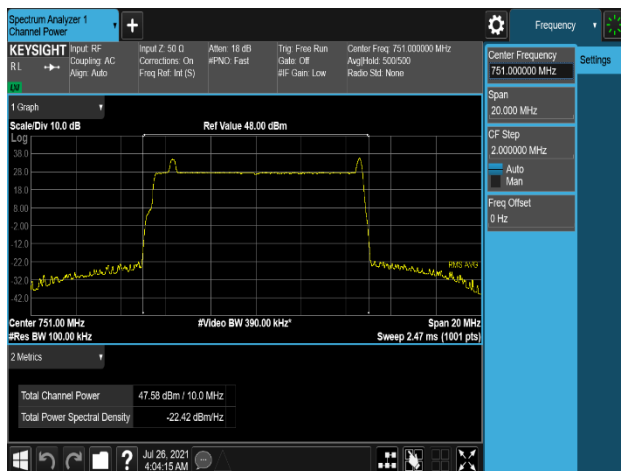
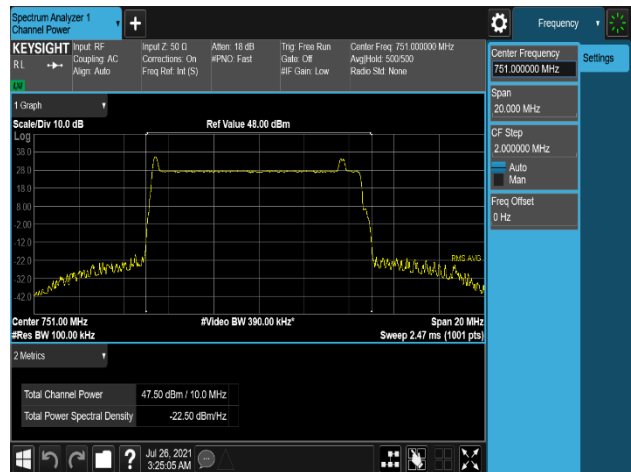
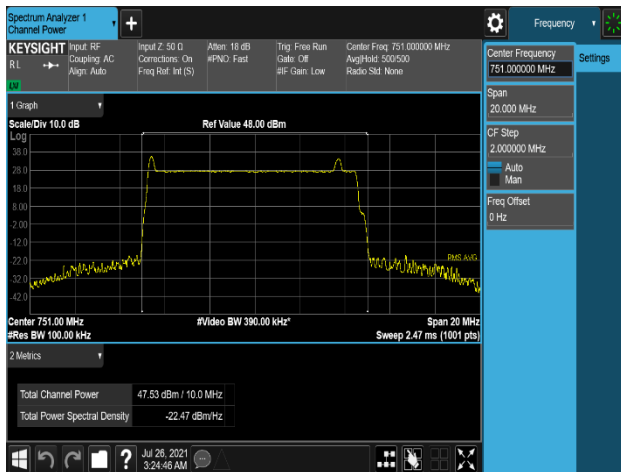
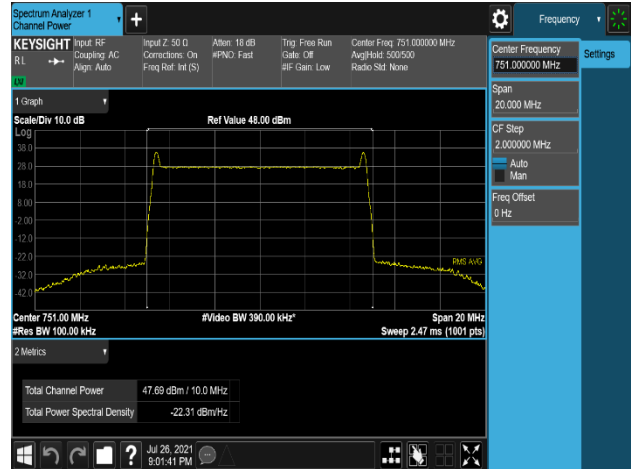
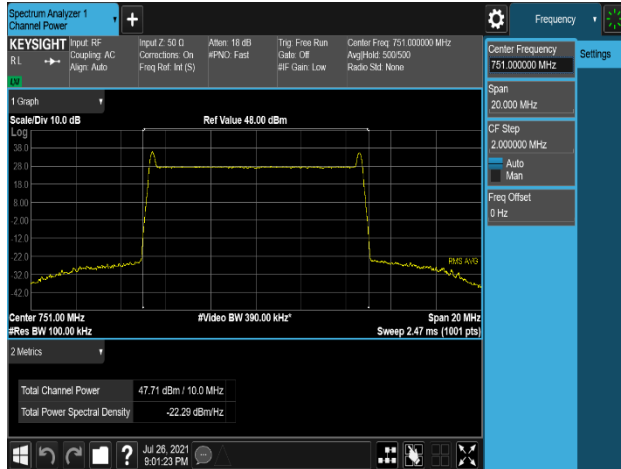
Middle Channel	Port	QPSK
Conducted Average Power (dBm)	0	47.53
	1	47.50
Total MIMO Conducted Power (mW)		112858.06
Total MIMO Conducted Power (dBm)		50.53

Table 7-83. Conducted Average Output Power Table (B13_10M+Low_NB-lot(GB)+High_NB-lot(IB)_2C_2T)

Middle Channel	Port	QPSK
Conducted Average Power (dBm)	0	47.58
	1	47.55
Total MIMO Conducted Power (mW)		114164.90
Total MIMO Conducted Power (dBm)		50.58

Table 7-84. Conducted Average Output Power Table (B13_10M+High_NB-lot(GB)+Low_NB-lot(IB)_2C_2T)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Middle Channel	Port	QPSK
Conducted Average Power (dBm)	0	45.86
	1	46.00
	2	45.81
	3	45.84
Total MIMO Conducted Power (mW)		154835.86
Total MIMO Conducted Power (dBm)		51.90

Table 7-85. Conducted Average Output Power Table (B13_10M+Low_NB-lot(GB)+High_NB-lot(GB)_3C_4T)

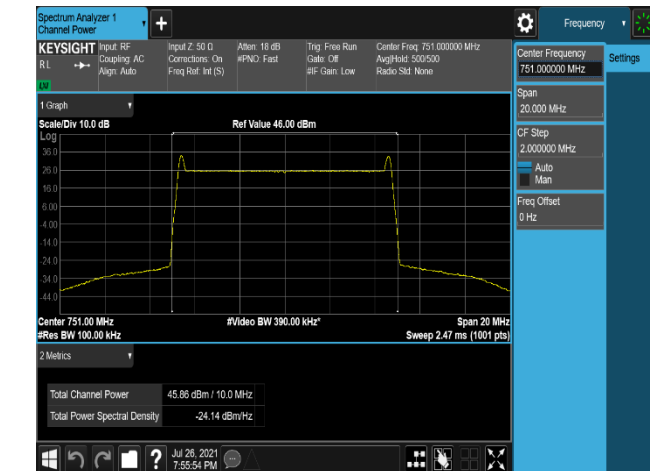
Middle Channel	Port	QPSK
Conducted Average Power (dBm)	0	45.80
	1	45.88
	2	45.74
	3	45.76
Total MIMO Conducted Power (mW)		151912.38
Total MIMO Conducted Power (dBm)		51.82

Table 7-86. Conducted Average Output Power Table (B13_10M+Low_NB-lot(GB)+High_NB-lot(IB)_2C_4T)

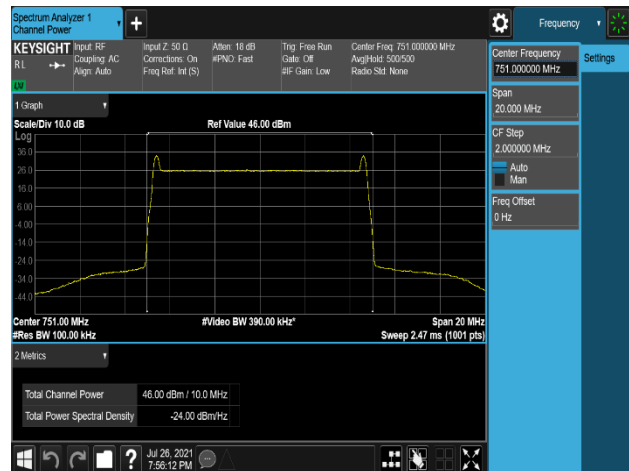
Middle Channel	Port	QPSK
Conducted Average Power (dBm)	0	45.83
	1	45.87
	2	45.71
	3	45.66
Total MIMO Conducted Power (mW)		150971.24
Total MIMO Conducted Power (dBm)		51.79

Table 7-87. Conducted Average Output Power Table (B13_10M+High_NB-lot(GB)+Low_NB-lot(IB)_2C_4T)

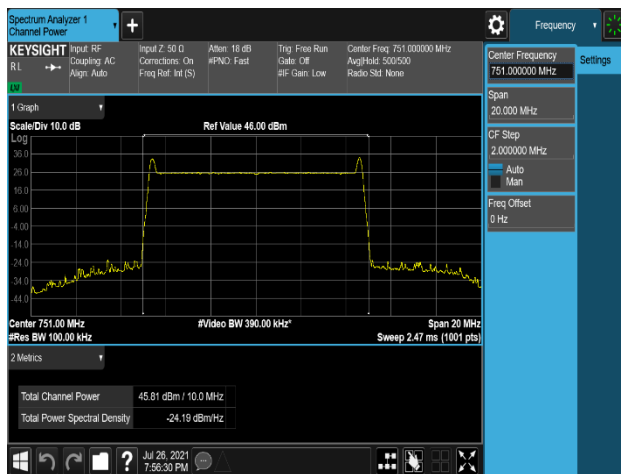
FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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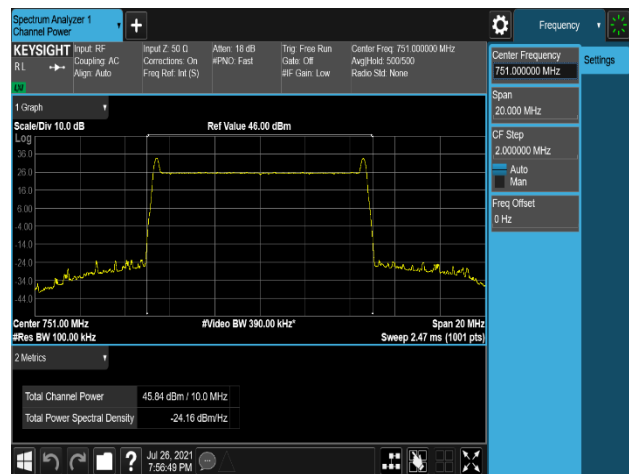
Plot 7-385. Conducted Average Output Power Plot
(B13_10M+Low_NB-lot(GB)+High_NB-lot(GB)_3C - Port 0)



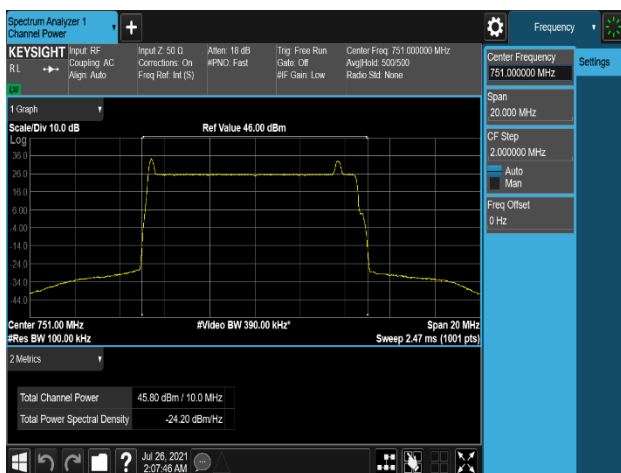
Plot 7-386. Conducted Average Output Power Plot
(B13_10M+Low_NB-lot(GB)+High_NB-lot(GB)_3C - Port 1)



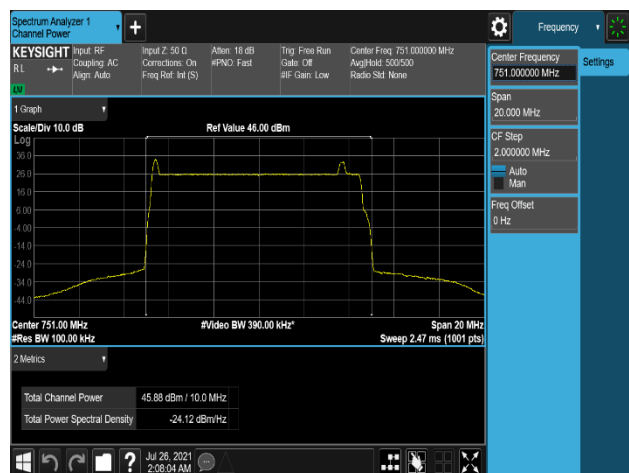
Plot 7-387. Conducted Average Output Power Plot
(B13_10M+Low_NB-lot(GB)+High_NB-lot(GB)_3C - Port 2)



Plot 7-388. Conducted Average Output Power Plot
(B13_10M+Low_NB-Iot(GB)+High_NB-Iot(GB)_3C - Port 3)

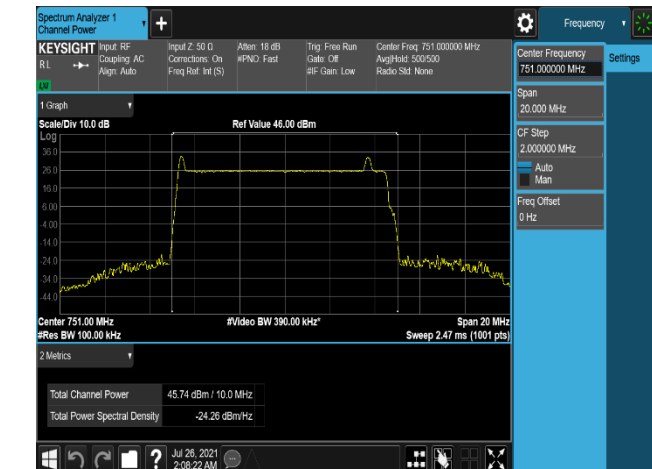


Plot 7-389. Conducted Average Output Power Plot
(B13 10M+Low NB-lot(GB)+High NB-lot(IB) 2C - Port 0)

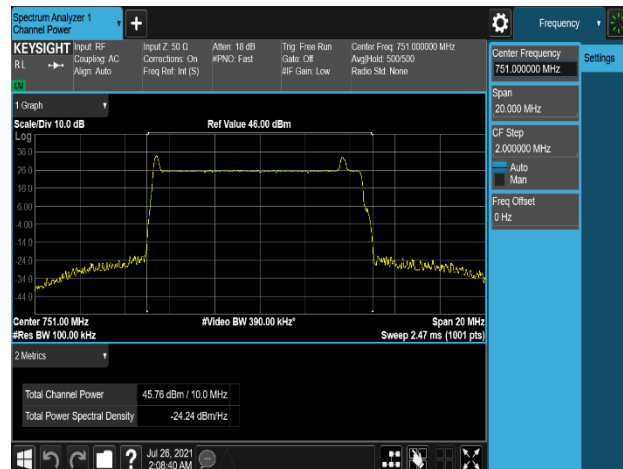


Plot 7-390. Conducted Average Output Power Plot
(B13 10M+Low NB-lot(GB)+High NB-lot(IB) 2C - Port 1)

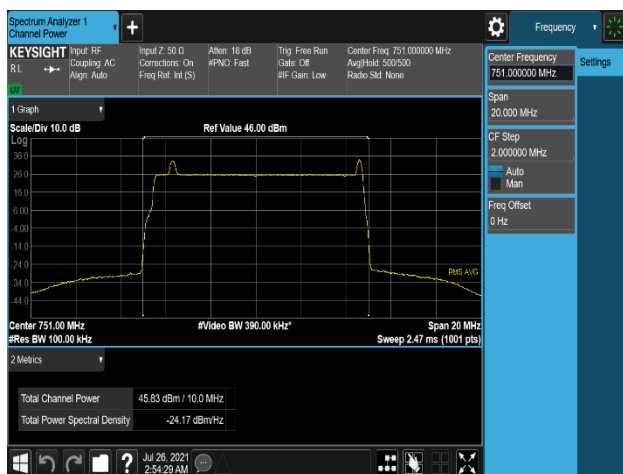
FCC ID: A3LRF4440D-13A	 MEASUREMENT REPORT (CERTIFICATION) 		Approved by: Technical Manager
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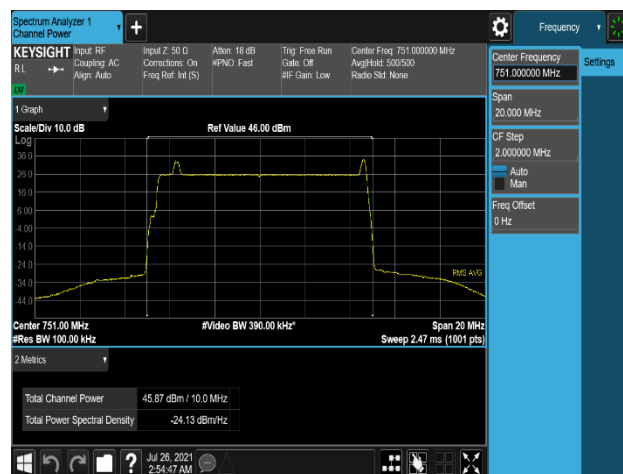
Plot 7-391. Conducted Average Output Power Plot
(B13 10M+Low NB-lot(GB)+High NB-lot(IB) 2C - Port 2)



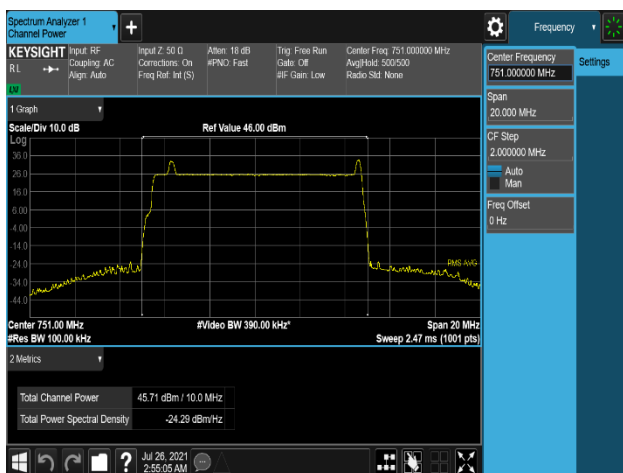
Plot 7-392. Conducted Average Output Power Plot
(B13 10M+Low NB-lot(GB)+High NB-lot(IB) 2C - Port 3)



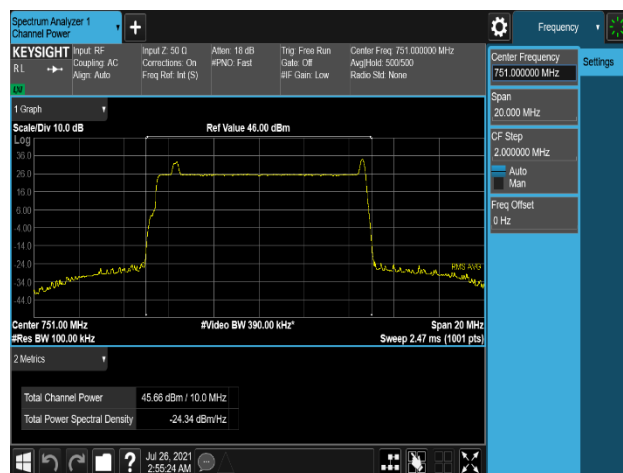
Plot 7-393. Conducted Average Output Power Plot
(B13 10M+High NB-lot(GB)+Low NB-lot(IB) 2C - Port 0)



Plot 7-394. Conducted Average Output Power Plot
(B13 10M+High NB-lot(GB)+Low NB-lot(IB) 2C - Port 1)



Plot 7-395. Conducted Average Output Power Plot
(B13 10M+High NB-lot(GB)+Low NB-lot(IB) 2C - Port 2)



Plot 7-396. Conducted Average Output Power Plot
(B13 10M+High NB-lot(GB)+Low NB-lot(IB) 2C - Port 3)

FCC ID: A3LRF4440D-13A	 MEASUREMENT REPORT (CERTIFICATION) 		Approved by: Technical Manager
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DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 9 : NR 1	Low	0	46.14	46.22	46.24	46.27
		1	46.24	46.34	46.33	46.35
		2	46.04	46.16	46.26	46.24
		3	46.18	46.39	46.39	46.41
		Total MIMO Conducted Power (mW)	164862.12	169787.96	170844.35	171341.08
		Total MIMO Conducted Power(dBm)	52.17	52.30	52.33	52.34
	Mid	0	46.18	46.21	46.19	46.22
		1	46.26	46.29	46.25	46.25
		2	46.05	46.13	46.19	46.18
		3	46.17	46.19	46.19	46.19
		Total MIMO Conducted Power (mW)	165433.94	166954.35	166942.83	167135.47
		Total MIMO Conducted Power(dBm)	52.19	52.23	52.23	52.23
	High	0	46.18	46.18	46.06	46.06
		1	46.27	46.33	46.20	46.26
		2	46.02	46.04	46.03	46.03
		3	46.25	46.22	46.20	46.18
		Total MIMO Conducted Power (mW)	166023.83	166507.48	163825.09	164213.48
		Total MIMO Conducted Power(dBm)	52.20	52.21	52.14	52.15

Table 7-88. Conducted Average Output Power Table (B5_10M(DSS_9:1)_1C_4T)

FCC ID: A3LRF4440D-13A	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
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DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 8 : NR 2	Low	0	46.18	46.13	46.16	46.28
		1	46.31	46.27	46.32	46.30
		2	46.30	46.15	46.29	46.26
		3	46.46	46.30	46.54	46.34
		Total MIMO Conducted Power (mW)	171168.48	167252.41	171801.11	170439.43
		Total MIMO Conducted Power(dBm)	52.33	52.23	52.35	52.32
	Mid	0	46.08	46.19	46.26	46.22
		1	46.17	46.26	46.33	46.28
		2	46.08	46.16	46.23	46.27
		3	46.10	46.21	46.25	46.23
		Total MIMO Conducted Power (mW)	163239.70	166945.71	169366.05	168681.51
		Total MIMO Conducted Power(dBm)	52.13	52.23	52.29	52.27
	High	0	46.12	46.09	46.14	46.19
		1	46.21	46.28	46.21	46.21
		2	46.00	46.07	46.04	46.02
		3	46.14	46.25	46.18	46.18
		Total MIMO Conducted Power (mW)	163634.79	165733.53	164572.49	164863.98
		Total MIMO Conducted Power(dBm)	52.14	52.19	52.16	52.17

Table 7-89. Conducted Average Output Power Table (B5_10M(DSS_8:2)_1C_4T)

FCC ID: A3LRF4440D-13A	 MEASUREMENT REPORT (CERTIFICATION) 		Approved by: Technical Manager
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DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 7 : NR 3	Low	0	46.18	46.22	46.22	46.14
		1	46.25	46.33	46.30	46.27
		2	46.20	46.35	46.29	46.23
		3	46.38	46.39	46.23	46.27
		Total MIMO Conducted Power (mW)	168803.02	171536.09	169073.05	167819.46
		Total MIMO Conducted Power(dBm)	52.27	52.34	52.28	52.25
	Mid	0	46.20	46.23	46.19	46.17
		1	46.31	46.32	46.32	46.30
		2	46.19	46.18	46.06	46.08
		3	46.16	46.19	46.19	46.16
		Total MIMO Conducted Power (mW)	167339.04	167917.22	166401.51	165913.52
		Total MIMO Conducted Power(dBm)	52.24	52.25	52.21	52.20
	High	0	46.07	46.12	46.15	46.15
		1	46.22	46.25	46.26	46.22
		2	46.01	46.06	46.03	46.05
		3	46.16	46.18	46.13	46.21
		Total MIMO Conducted Power (mW)	163544.19	164955.66	164583.70	165143.85
		Total MIMO Conducted Power(dBm)	52.14	52.17	52.16	52.18

Table 7-90. Conducted Average Output Power Table (B5_10M(DSS_7:3)_1C_4T)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
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DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 6 : NR 4	Low	0	46.02	46.05	46.03	46.05
		1	46.18	46.24	46.19	46.21
		2	45.97	46.10	46.15	46.21
		3	46.13	46.27	46.38	46.36
		Total MIMO Conducted Power (mW)	162046.95	165446.69	166338.51	167089.16
		Total MIMO Conducted Power(dBm)	52.10	52.19	52.21	52.23
	Mid	0	46.18	46.22	46.18	46.18
		1	46.26	46.28	46.29	46.25
		2	46.13	46.15	46.11	46.04
		3	46.15	46.17	46.16	46.13
		Total MIMO Conducted Power (mW)	165992.43	166951.03	166191.93	164864.55
		Total MIMO Conducted Power(dBm)	52.20	52.23	52.21	52.17
	High	0	46.08	46.12	46.22	46.14
		1	46.17	46.22	46.20	46.18
		2	46.02	46.03	46.02	46.03
		3	46.09	46.14	46.13	46.09
		Total MIMO Conducted Power (mW)	162589.63	164007.07	164581.18	163341.38
		Total MIMO Conducted Power(dBm)	52.11	52.15	52.16	52.13

Table 7-91. Conducted Average Output Power Table (B5_10M(DSS_6:4)_1C_4T)

FCC ID: A3LRF4440D-13A	 MEASUREMENT REPORT (CERTIFICATION) 		Approved by: Technical Manager
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DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 5 : NR 5	Low	0	45.66	46.03	46.00	46.05
		1	45.89	46.26	46.15	46.20
		2	45.65	46.22	46.16	46.16
		3	45.82	46.34	46.24	46.31
		Total MIMO Conducted Power (mW)	150550.59	167285.55	164397.88	166019.68
		Total MIMO Conducted Power(dBm)	51.78	52.23	52.16	52.20
	Mid	0	46.07	46.03	46.03	46.00
		1	46.09	46.15	46.14	46.14
		2	45.90	46.06	46.02	45.96
		3	45.94	46.04	46.03	45.99
		Total MIMO Conducted Power (mW)	159270.93	161840.04	161282.79	160090.57
		Total MIMO Conducted Power(dBm)	52.02	52.09	52.08	52.04
	High	0	45.63	46.09	45.86	45.97
		1	45.76	46.14	46.03	46.07
		2	45.51	45.94	45.81	45.76
		3	45.64	46.09	45.97	45.93
		Total MIMO Conducted Power (mW)	146436.75	161668.13	156277.75	156838.82
		Total MIMO Conducted Power(dBm)	51.66	52.09	51.94	51.95

Table 7-92. Conducted Average Output Power Table (B5_10M(DSS_5:5)_1C_4T)

FCC ID: A3LRF4440D-13A	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K21070501R2-R1	Test Dates: 07/09/2021 - 08/25/2021	EUT Type: RRU (RF4440d)		Page 127 of 367

DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 4: NR 6	Low	0	45.93	46.01	45.92	46.02
		1	46.12	46.24	46.12	46.13
		2	46.14	46.33	46.20	46.17
		3	46.26	46.39	46.23	46.21
		Total MIMO Conducted Power (mW)	163482.09	168479.98	163672.99	164197.89
		Total MIMO Conducted Power(dBm)	52.13	52.27	52.14	52.15
	Mid	0	45.90	45.98	45.91	45.96
		1	46.00	46.13	46.05	46.04
		2	45.88	46.01	45.88	45.84
		3	45.93	46.02	45.96	45.95
		Total MIMO Conducted Power (mW)	156615.18	160545.18	157437.40	157350.54
		Total MIMO Conducted Power(dBm)	51.95	52.06	51.97	51.97
	High	0	45.80	46.06	46.01	45.91
		1	45.92	46.15	46.07	46.03
		2	45.65	45.90	45.83	45.84
		3	45.77	46.05	46.00	45.99
		Total MIMO Conducted Power (mW)	151588.48	160750.51	158453.27	157170.75
		Total MIMO Conducted Power(dBm)	51.81	52.06	52.00	51.96

Table 7-93. Conducted Average Output Power Table (B5_10M(DSS_4:6)_1C_4T)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K21070501R2-R1	Test Dates: 07/09/2021 - 08/25/2021	EUT Type: RRU (RF4440d)		Page 128 of 367	

DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 3 : NR 7	Low	0	46.01	46.09	46.03	46.00
		1	46.19	46.20	46.16	46.14
		2	46.04	45.98	45.96	45.89
		3	46.10	46.18	46.07	46.03
		Total MIMO Conducted Power (mW)	162410.66	163454.48	161294.74	159827.40
		Total MIMO Conducted Power(dBm)	52.11	52.13	52.08	52.04
	Mid	0	45.96	46.04	46.01	45.96
		1	46.05	46.12	46.10	46.11
		2	45.87	45.90	45.94	45.89
		3	45.93	46.02	45.98	45.96
		Total MIMO Conducted Power (mW)	157528.32	160004.14	159532.81	158538.44
		Total MIMO Conducted Power(dBm)	51.97	52.04	52.03	52.00
	High	0	45.94	46.05	45.93	45.89
		1	46.06	46.10	46.03	46.03
		2	45.84	45.96	45.51	45.42
		3	45.94	46.06	45.84	45.80
		Total MIMO Conducted Power (mW)	157264.25	160820.00	153194.72	151754.38
		Total MIMO Conducted Power(dBm)	51.97	52.06	51.85	51.81

Table 7-94. Conducted Average Output Power Table (B5_10M(DSS_3:7)_1C_4T)

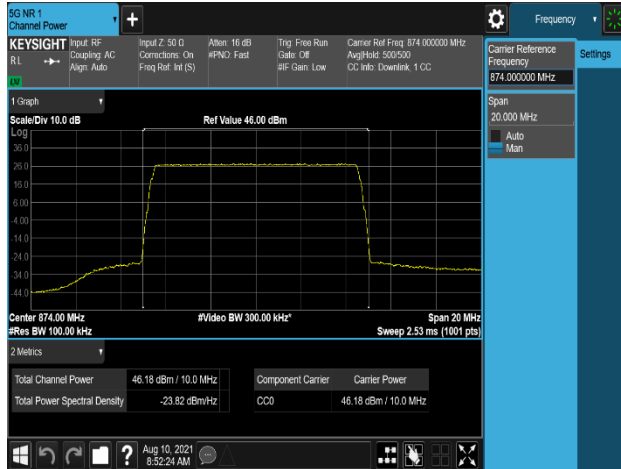
FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K21070501R2-R1	Test Dates: 07/09/2021 - 08/25/2021	EUT Type: RRU (RF4440d)		Page 129 of 367

DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 2 : NR 8	Low	0	46.00	46.05	45.98	45.98
		1	46.09	46.24	46.09	46.05
		2	45.85	45.95	45.90	45.94
		3	46.01	46.07	45.96	45.91
		Total MIMO Conducted Power (mW)	158816.72	162156.96	158622.38	158158.20
		Total MIMO Conducted Power(dBm)	52.01	52.10	52.00	51.99
	Mid	0	45.97	46.09	45.94	45.99
		1	46.12	46.21	46.12	46.10
		2	45.95	45.95	45.97	45.94
		3	46.02	46.06	46.00	46.05
		Total MIMO Conducted Power (mW)	159812.21	162146.92	159537.94	159993.38
		Total MIMO Conducted Power(dBm)	52.04	52.10	52.03	52.04
	High	0	45.63	45.70	45.66	45.75
		1	45.79	45.88	45.83	45.94
		2	45.23	45.38	45.51	45.50
		3	45.60	45.69	45.76	45.79
		Total MIMO Conducted Power (mW)	144141.42	147461.73	148328.88	150261.07
		Total MIMO Conducted Power(dBm)	51.59	51.69	51.71	51.77

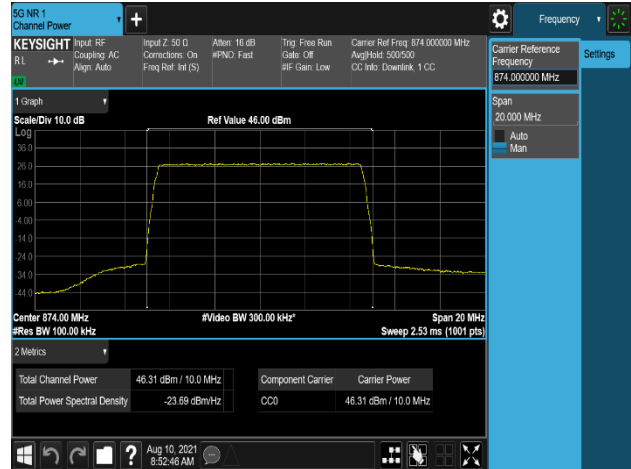
Table 7-95. Conducted Average Output Power Table (B5_10M(DSS_2:8)_1C_4T)

Note: Test result is no big difference depending on DSS Ratio. So, the only worst-ratio plots are included in this report.

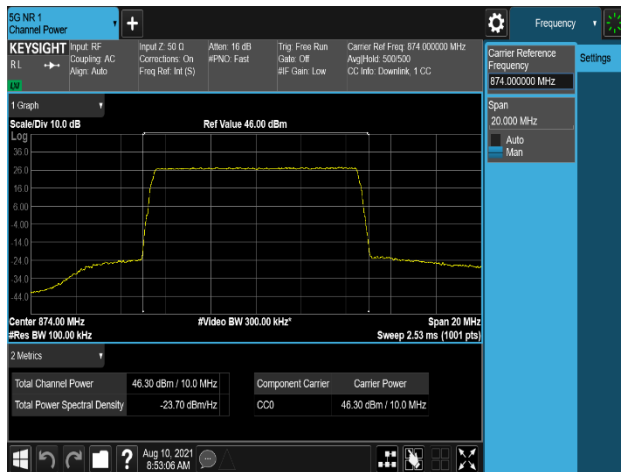
FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K21070501R2-R1	Test Dates: 07/09/2021 - 08/25/2021	EUT Type: RRU (RF4440d)		Page 130 of 367



Plot 7-397. Conducted Average Output Power Plot (B5_10M(DSS_8:2) 1C_QPSK - Low Channel, Port 0)



Plot 7-398. Conducted Average Output Power Plot (B5_10M(DSS_8:2) 1C_QPSK - Low Channel, Port 1)



Plot 7-399. Conducted Average Output Power Plot (B5_10M(DSS_8:2) 1C_QPSK - Low Channel, Port 2)



Plot 7-400. Conducted Average Output Power Plot (B5_10M(DSS_8:2) 1C_QPSK - Low Channel, Port 3)

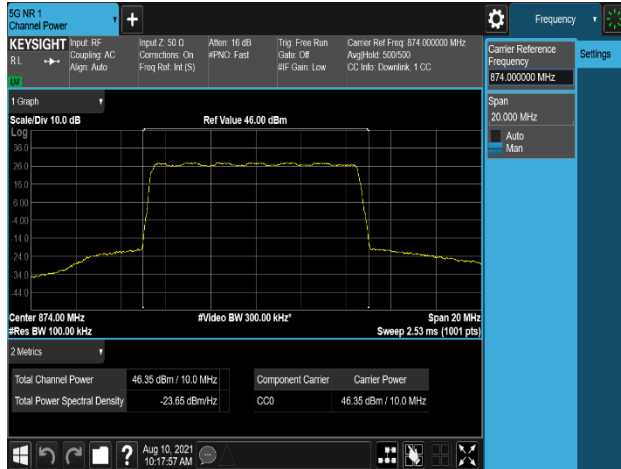


Plot 7-401. Conducted Average Output Power Plot (B5_10M(DSS_7:3) 1C_16QAM - Low Channel, Port 0)

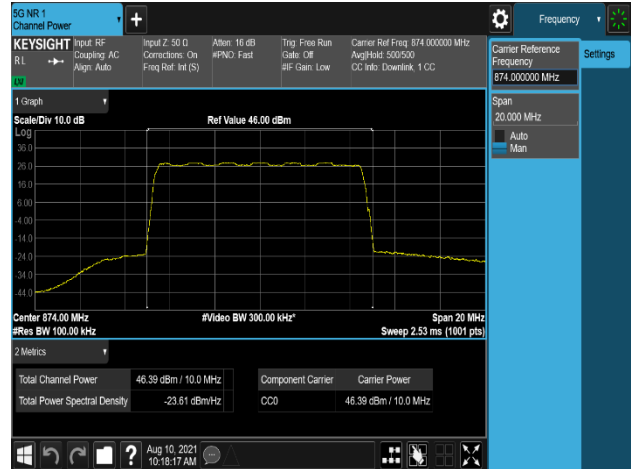


Plot 7-402. Conducted Average Output Power Plot (B5_10M(DSS_7:3) 1C_16QAM - Low Channel, Port 1)

FCC ID: A3LRF4440D-13A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: BK21070501R2-R1	Test Dates: 07/09/2021 - 08/25/2021	EUT Type: RRU (RF4440d)		Page 131 of 367



Plot 7-403. Conducted Average Output Power Plot
(B5_10M(DSS_7:3) 1C_16QAM - Low Channel, Port 2)



Plot 7-404. Conducted Average Output Power Plot
(B5_10M(DSS_7:3) 1C_16QAM - Low Channel, Port 3)



Plot 7-405. Conducted Average Output Power Plot
(B5_10M(DSS_8:2) 1C_64QAM - Low Channel, Port 0)



Plot 7-406. Conducted Average Output Power Plot
(B5_10M(DSS_8:2) 1C_64QAM - Low Channel, Port 1)

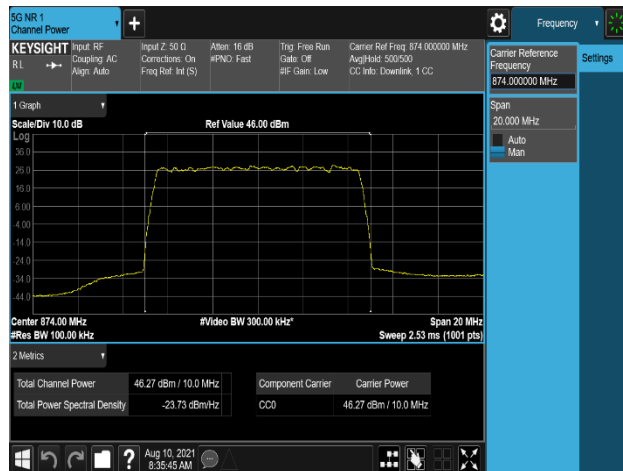


Plot 7-407. Conducted Average Output Power Plot
(B5_10M(DSS_8:2) 1C_64QAM - Low Channel, Port 2)

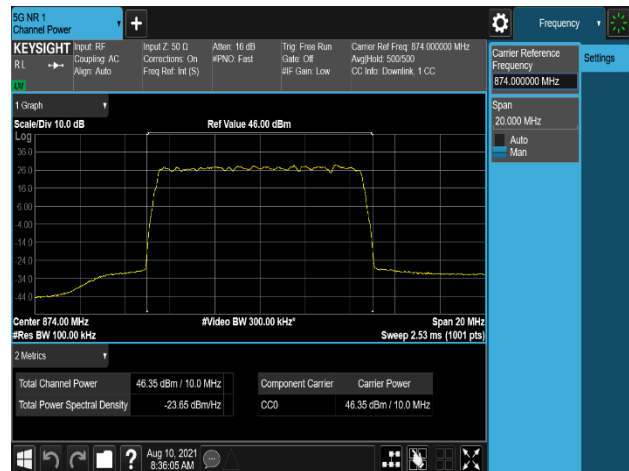


Plot 7-408. Conducted Average Output Power Plot
(B5_10M(DSS_8:2) 1C_64QAM - Low Channel, Port 3)

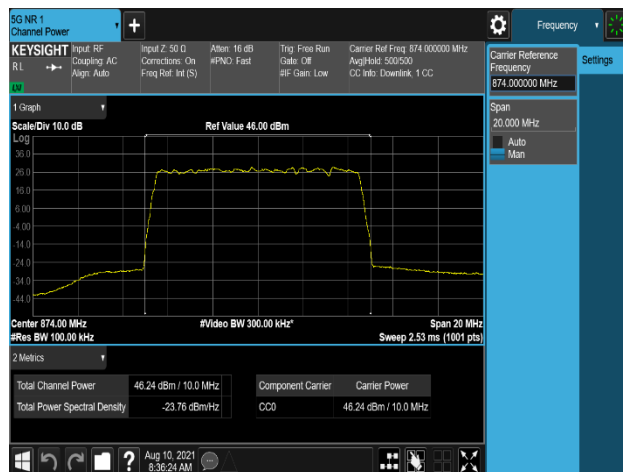
FCC ID: A3LRF4440D-13A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21070501R2-R1	Test Dates: 07/09/2021 - 08/25/2021	EUT Type: RRU (RF4440d)		Page 132 of 367



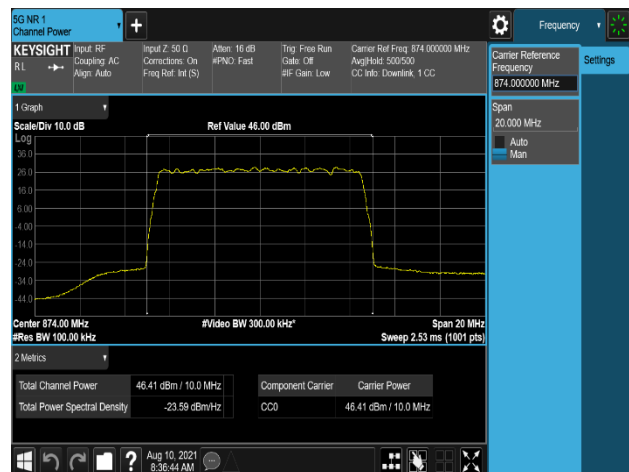
Plot 7-409. Conducted Average Output Power Plot (B5_10M(DSS_9:1) 1C_256QAM - Low Channel, Port 0)



Plot 7-410. Conducted Average Output Power Plot (B5_10M(DSS_9:1) 1C_256QAM - Low Channel, Port 1)



Plot 7-411. Conducted Average Output Power Plot (B5_10M(DSS_9:1) 1C_256QAM - Low Channel, Port 2)



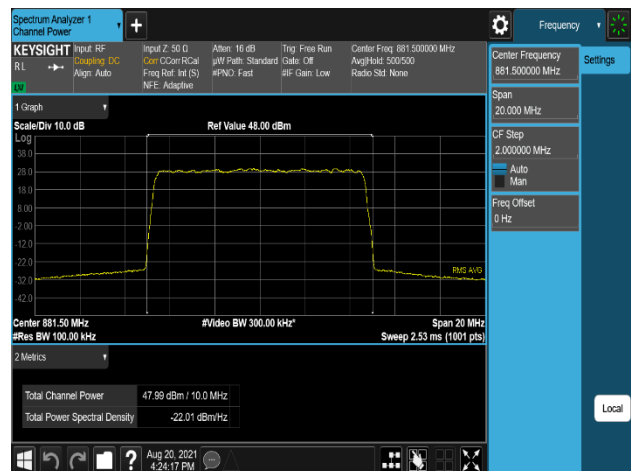
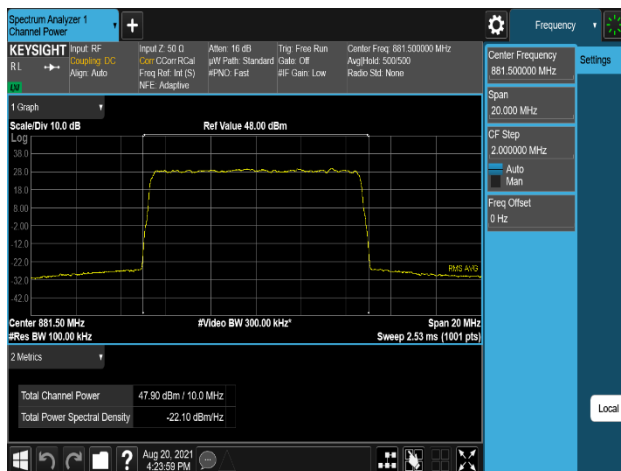
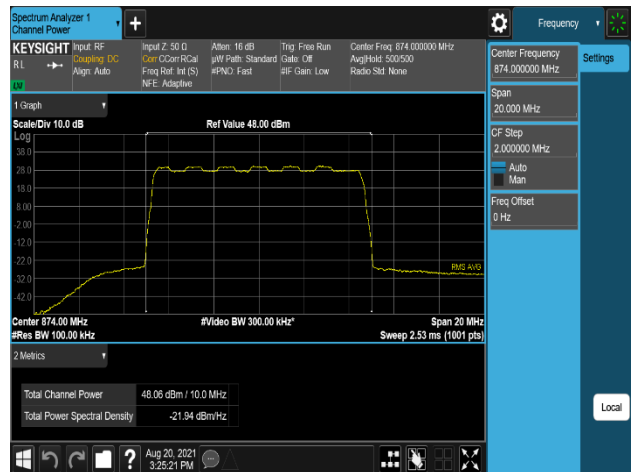
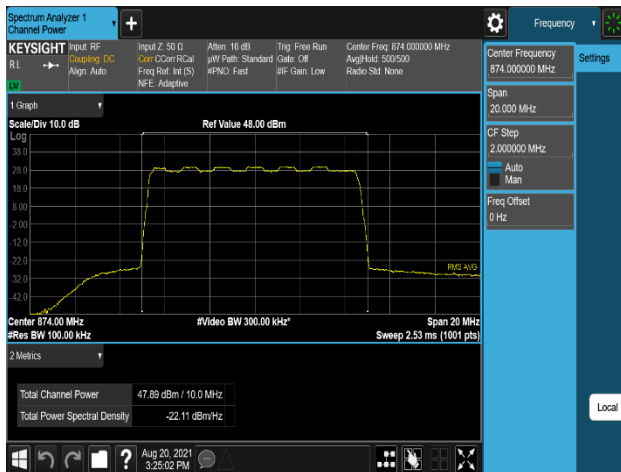
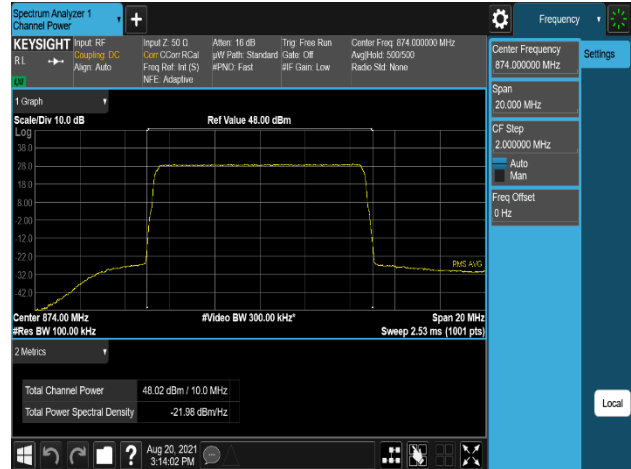
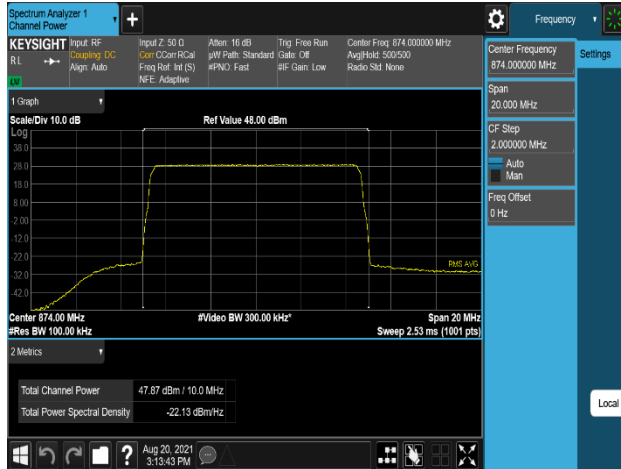
Plot 7-412. Conducted Average Output Power Plot (B5_10M(DSS_9:1) 1C_256QAM - Low Channel, Port 3)

FCC ID: A3LRF4440D-13A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21070501R2-R1	Test Dates: 07/09/2021 - 08/25/2021	EUT Type: RRU (RF4440d)		Page 133 of 367

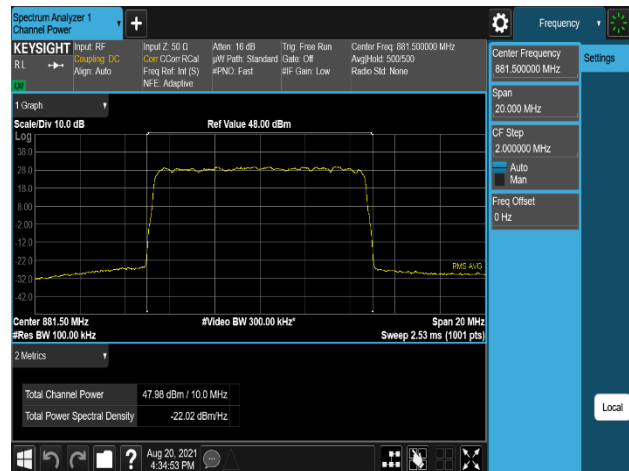
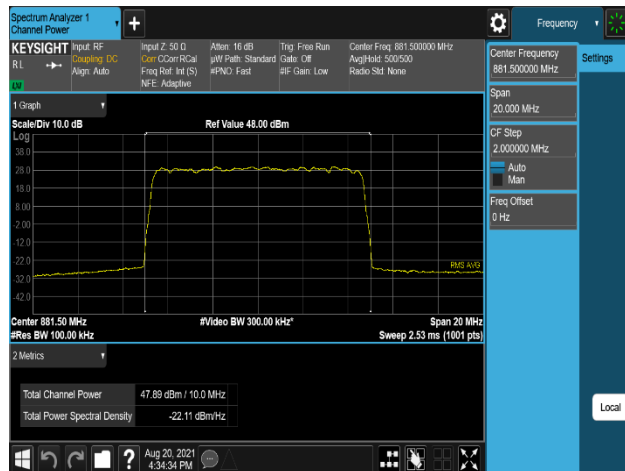
DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 5 : NR 5	Low	0	47.87	47.89	47.85	47.87
		1	48.02	48.06	47.97	47.92
		Total MIMO Conducted Power (mW)	124622.01	125491.17	123615.08	123179.15
		Total MIMO Conducted Power(dBm)	50.96	50.99	50.92	50.91
	Mid	0	47.86	47.91	47.90	47.89
		1	47.98	48.04	47.99	47.98
		Total MIMO Conducted Power (mW)	123900.04	125481.19	124610.12	124323.52
		Total MIMO Conducted Power(dBm)	50.93	50.99	50.96	50.95
	High	0	47.86	47.86	47.80	47.77
		1	47.97	47.93	47.88	47.95
		Total MIMO Conducted Power (mW)	123755.59	123181.11	121632.16	122214.64
		Total MIMO Conducted Power(dBm)	50.93	50.91	50.85	50.87

Table 7-96. Conducted Average Output Power Table (B5_10M(DSS_5:5)_1C_2T)

FCC ID: A3LRF4440D-13A	 MEASUREMENT REPORT (CERTIFICATION) 		Approved by: Technical Manager
Test Report S/N: 8K21070501R2-R1	Test Dates: 07/09/2021 - 08/25/2021	EUT Type: RRU (RF4440d)	Page 134 of 367



FCC ID: A3LRF4440D-13A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21070501R2-R1	Test Dates: 07/09/2021 - 08/25/2021	EUT Type: RRU (RF4440d)		Page 135 of 367



FCC ID: A3LRF4440D-13A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21070501R2-R1	Test Dates: 07/09/2021 - 08/25/2021	EUT Type: RRU (RF4440d)		Page 136 of 367

DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 5 : NR 5	Low	0	46.02	46.12	46.05	46.12
		1	46.20	46.31	46.25	46.26
		2	45.96	46.08	46.23	46.20
		3	46.21	46.27	46.37	46.38
		Total MIMO Conducted Power (mW)	162910.18	166597.50	167768.34	168330.89
		Total MIMO Conducted Power(dBm)	52.12	52.22	52.25	52.26
	Mid	0	46.17	46.16	46.13	46.12
		1	46.34	46.31	46.27	46.28
		2	46.09	46.16	46.03	46.10
		3	46.28	46.35	46.24	46.27
		Total MIMO Conducted Power (mW)	167558.92	168517.70	165544.04	166490.35
		Total MIMO Conducted Power(dBm)	52.24	52.27	52.19	52.21
	High	0	45.89	45.97	45.89	45.91
		1	46.03	46.04	45.98	45.97
		2	45.87	45.94	45.89	45.92
		3	46.05	46.04	46.05	46.09
		Total MIMO Conducted Power (mW)	157810.11	159159.32	157529.58	158259.28
		Total MIMO Conducted Power(dBm)	51.98	52.02	51.97	51.99

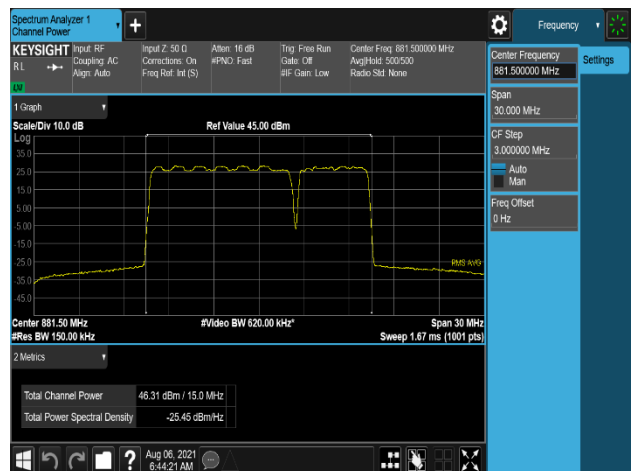
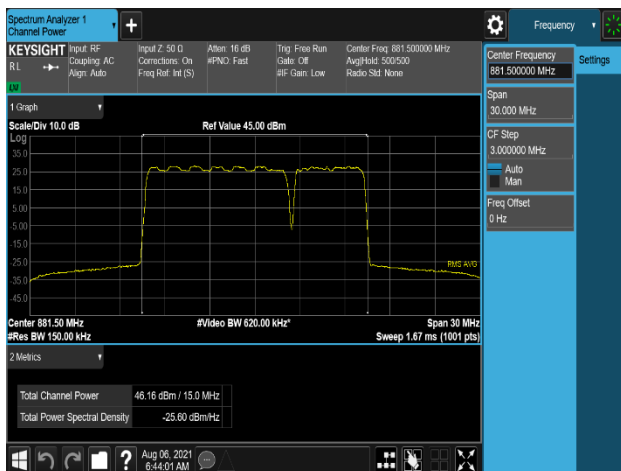
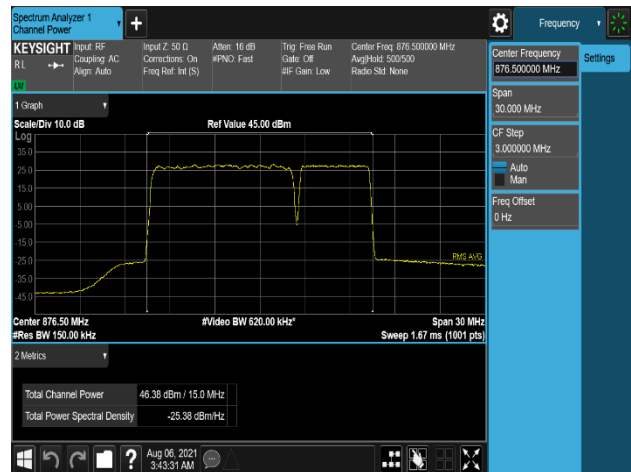
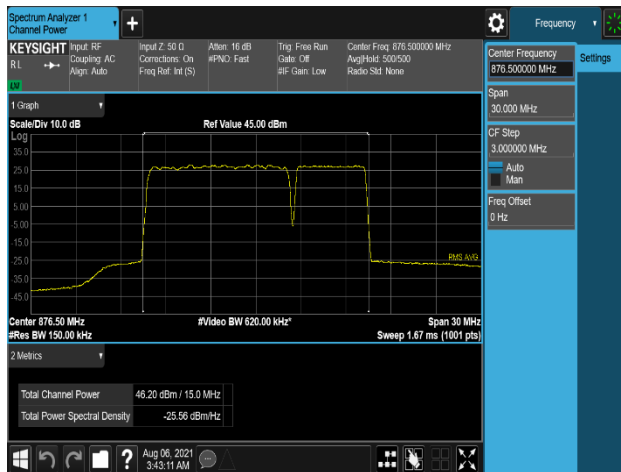
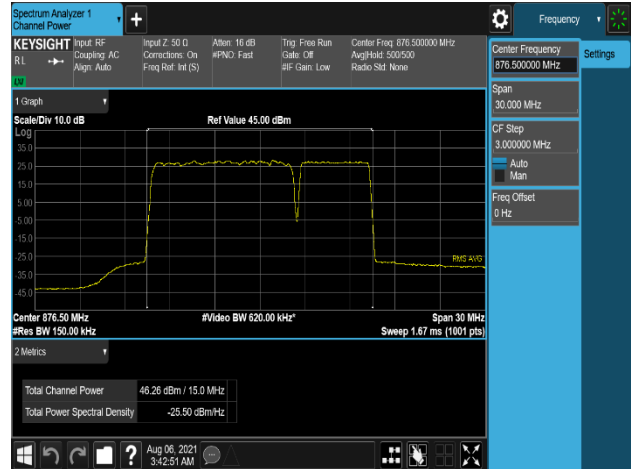
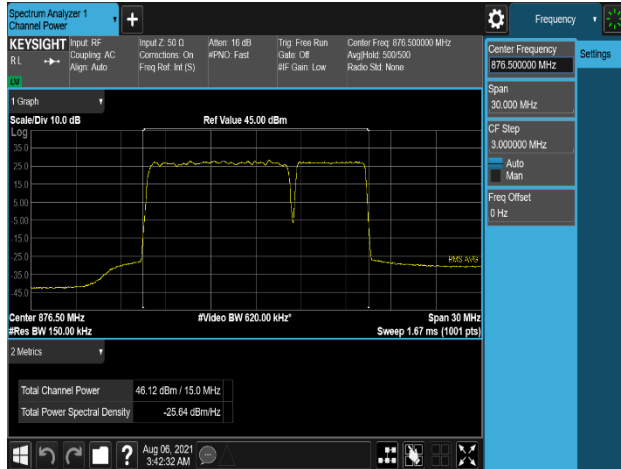
Table 7-97. Conducted Average Output Power Table (B5_10M(DSS)+5M_2C_4T)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K21070501R2-R1	Test Dates: 07/09/2021 - 08/25/2021	EUT Type: RRU (RF4440d)		Page 137 of 367	

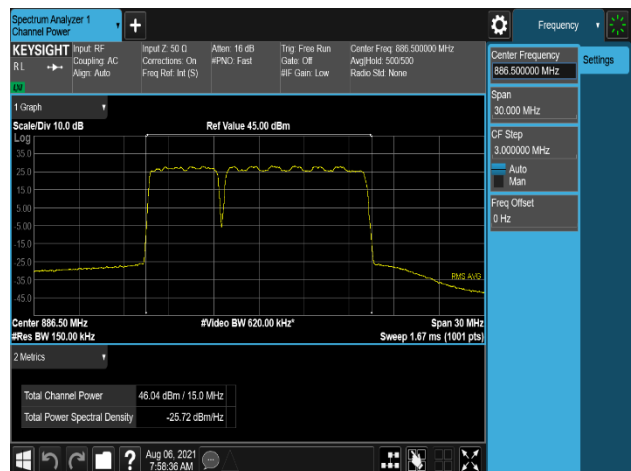
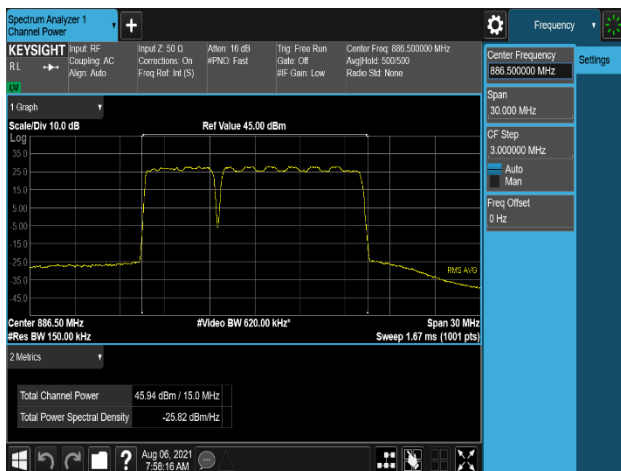
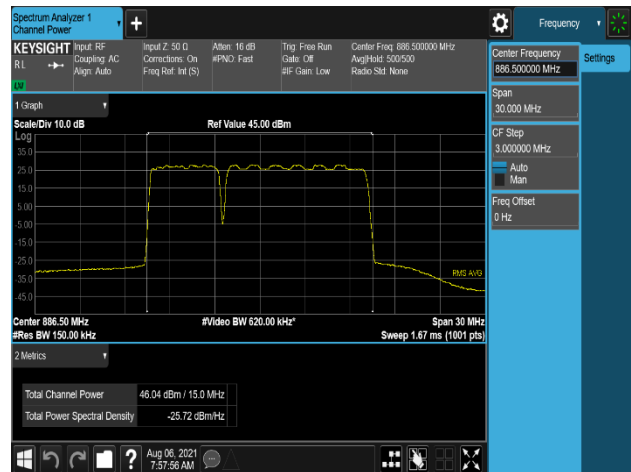
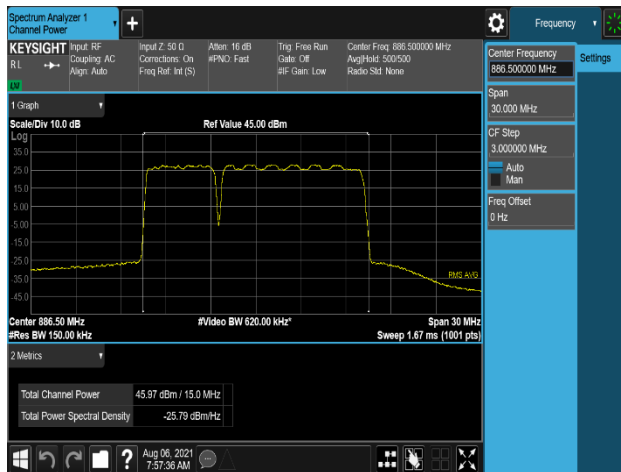
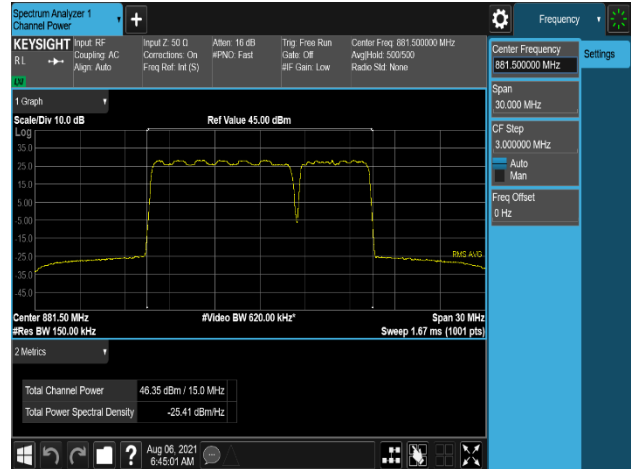
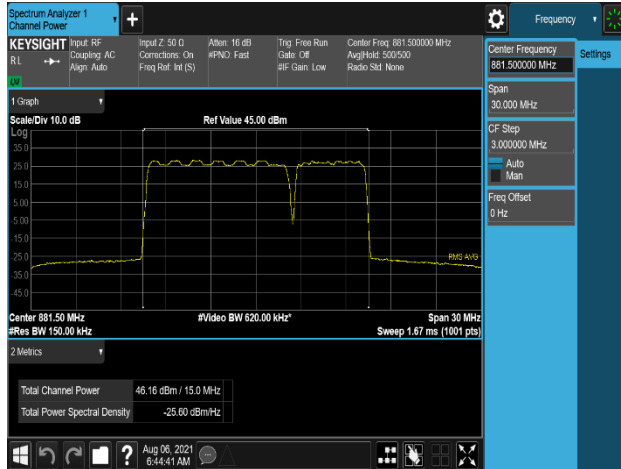
DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 5 : NR 5	Low	0	46.01	46.09	46.09	46.03
		1	46.15	46.23	46.20	46.18
		2	46.05	46.10	46.01	45.74
		3	46.24	46.30	46.40	46.06
		Total MIMO Conducted Power (mW)	163456.61	166016.21	165885.34	159443.92
		Total MIMO Conducted Power(dBm)	52.13	52.20	52.20	52.03
	Mid	0	46.03	46.10	46.09	46.11
		1	46.19	46.24	46.25	46.25
		2	46.02	46.03	46.14	46.21
		3	46.28	46.30	46.26	46.22
		Total MIMO Conducted Power (mW)	164134.16	165555.31	166195.82	166663.98
		Total MIMO Conducted Power(dBm)	52.15	52.19	52.21	52.22
	High	0	46.12	46.16	46.07	46.07
		1	46.22	46.27	46.18	46.17
		2	46.15	46.12	46.14	46.24
		3	46.26	46.27	46.27	46.28
		Total MIMO Conducted Power (mW)	166282.04	166959.41	165432.26	166392.18
		Total MIMO Conducted Power(dBm)	52.21	52.23	52.19	52.21

Table 7-98. Conducted Average Output Power Table (B5_10M(DSS)+10M_2C_4T)

FCC ID: A3LRF4440D-13A	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K21070501R2-R1	Test Dates: 07/09/2021 - 08/25/2021	EUT Type: RRU (RF4440d)		Page 138 of 367



FCC ID: A3LRF4440D-13A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: BK21070501R2-R1	Test Dates: 07/09/2021 - 08/25/2021	EUT Type: RRU (RF4440d)		Page 139 of 367



FCC ID: A3LRF4440D-13A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21070501R2-R1	Test Dates: 07/09/2021 - 08/25/2021	EUT Type: RRU (RF4440d)		Page 140 of 367