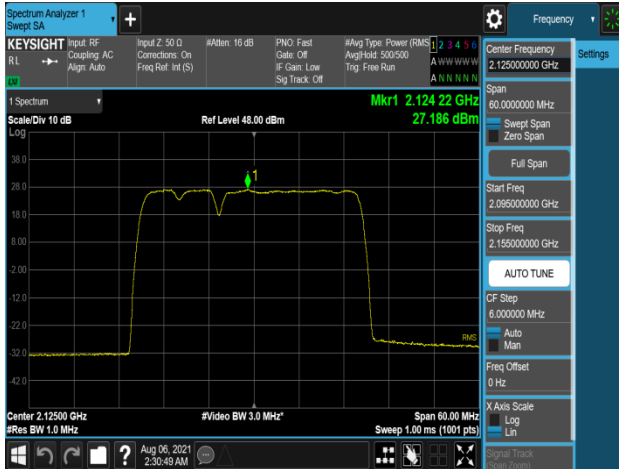
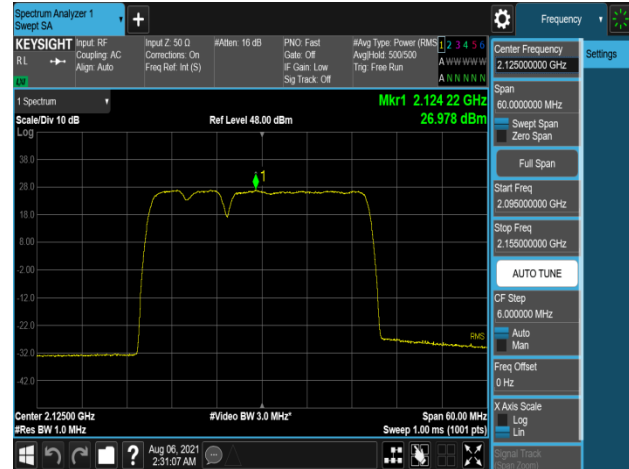
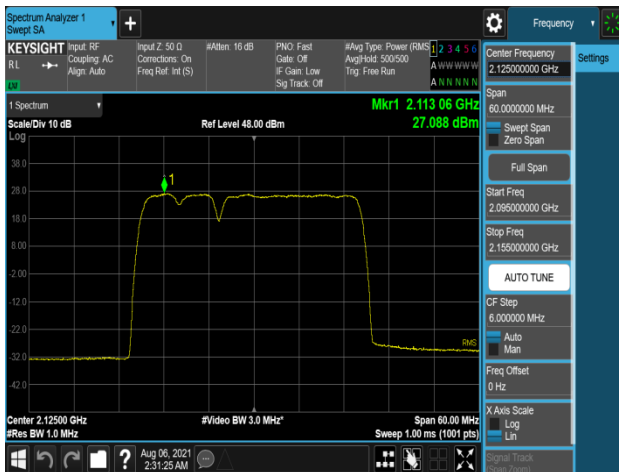




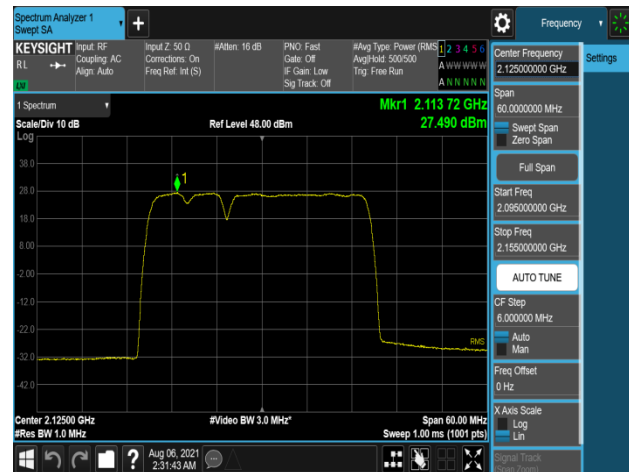
Plot 7-733. Peak Power Spectral Density Plot
(B66_5M+5M+20M_3C_16QAM - Low Channel, Port 0)



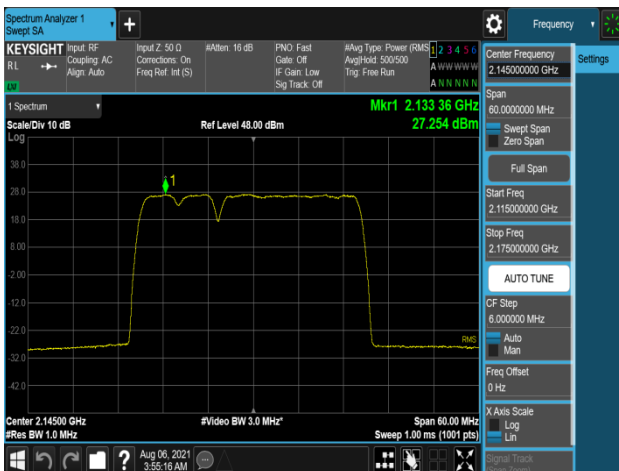
Plot 7-734. Peak Power Spectral Density Plot
(B66_5M+5M+20M_3C_16QAM - Low Channel, Port 1)



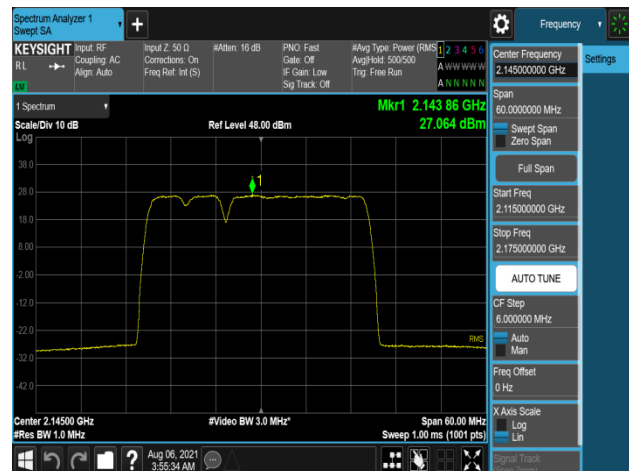
Plot 7-735. Peak Power Spectral Density Plot
(B66_5M+5M+20M_3C_16QAM - Low Channel, Port 2)



Plot 7-736. Peak Power Spectral Density Plot
(B66_5M+5M+20M_3C_16QAM - Low Channel, Port 3)

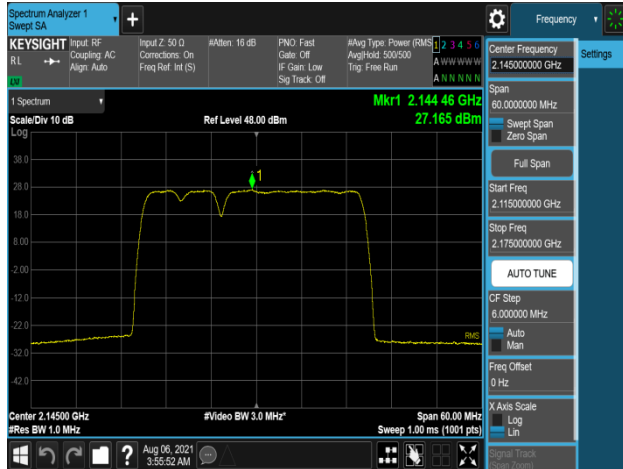


Plot 7-737. Peak Power Spectral Density Plot
(B66_5M+5M+20M_3C_16QAM - Mid Channel, Port 0)

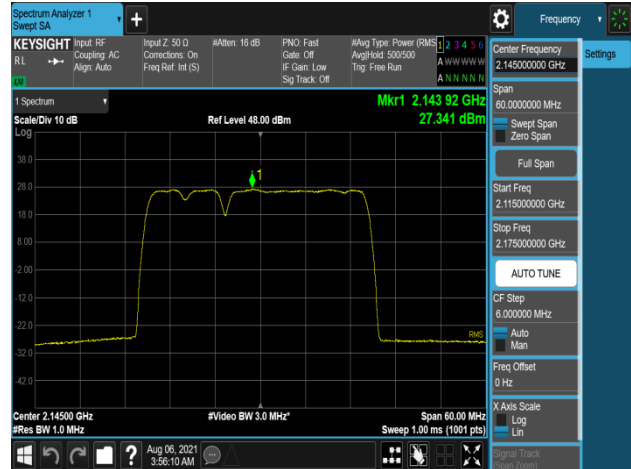


Plot 7-738. Peak Power Spectral Density Plot
(B66_5M+5M+20M_3C_16QAM - Mid Channel, Port 1)

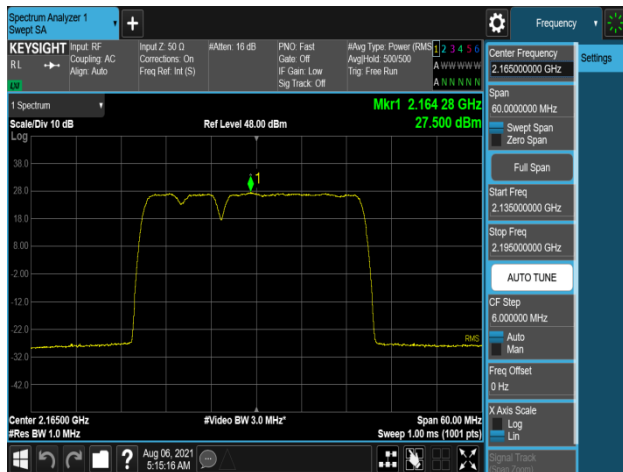
FCC ID: A3LRF4437D-25C	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21071202-R2.A3L	Test Dates: 07/19/2021-08/13/2021	EUT Type: RRU(RF4437d)		Page 197 of 420



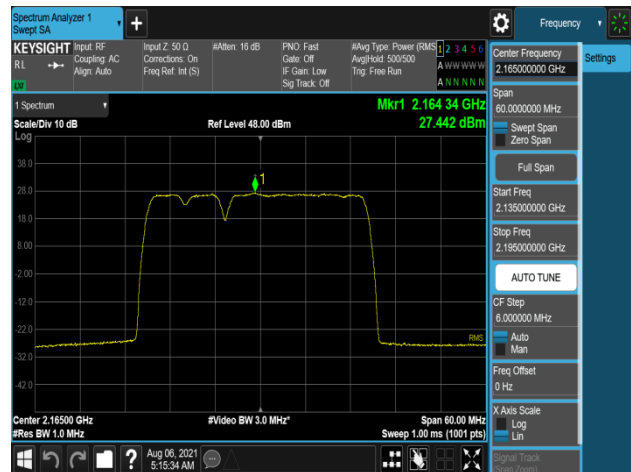
Plot 7-739. Peak Power Spectral Density Plot
(B66_5M+5M+20M_3C_16QAM - Mid Channel, Port 2)



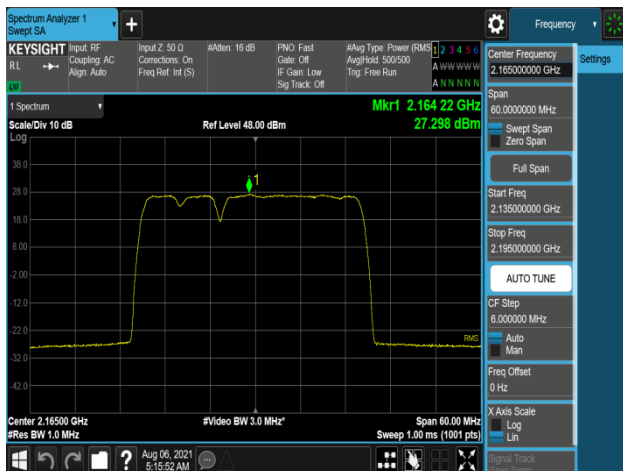
Plot 7-740. Peak Power Spectral Density Plot
(B66_5M+5M+20M_3C_16QAM - Mid Channel, Port 3)



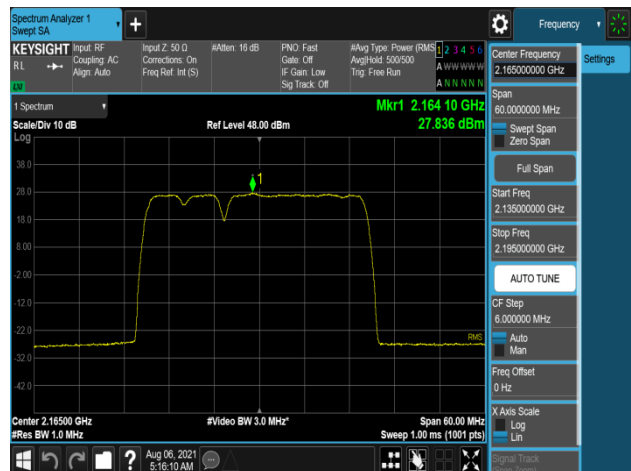
Plot 7-741. Peak Power Spectral Density Plot
(B66_5M+5M+20M_3C_16QAM - High Channel, Port 0)



Plot 7-742. Peak Power Spectral Density Plot
(B66_5M+5M+20M_3C_16QAM - High Channel, Port 1)

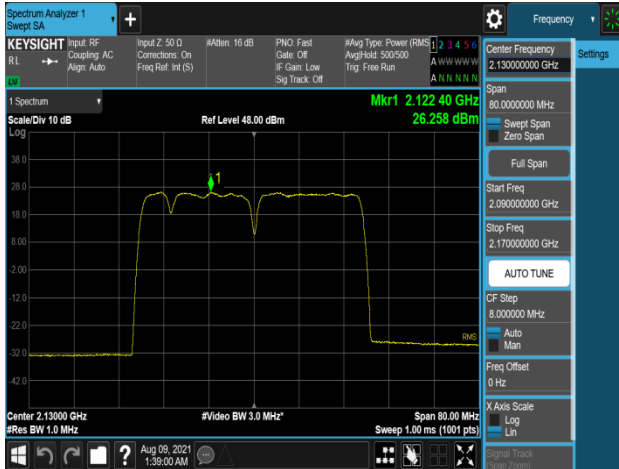


Plot 7-743. Peak Power Spectral Density Plot
(B66_5M+5M+20M_3C_16QAM - High Channel, Port 2)

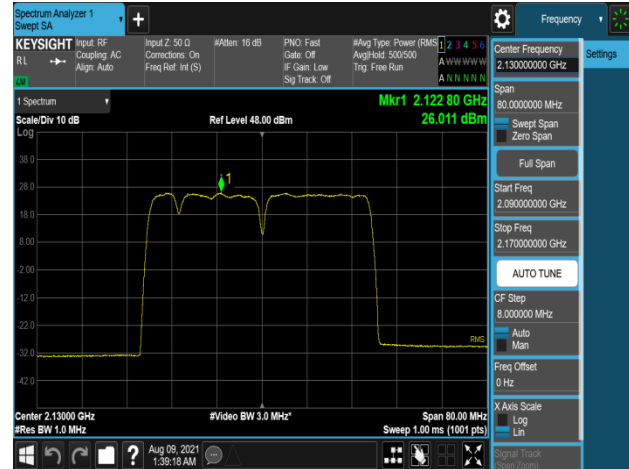


Plot 7-744. Peak Power Spectral Density Plot
(B66_5M+5M+20M_3C_16QAM - High Channel, Port 3)

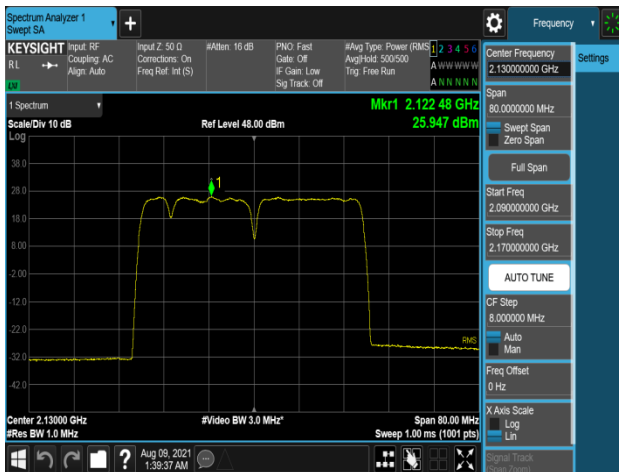
FCC ID: A3LRF4437D-25C	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21071202-R2.A3L	Test Dates: 07/19/2021-08/13/2021	EUT Type: RRU(RF4437d)		Page 198 of 420



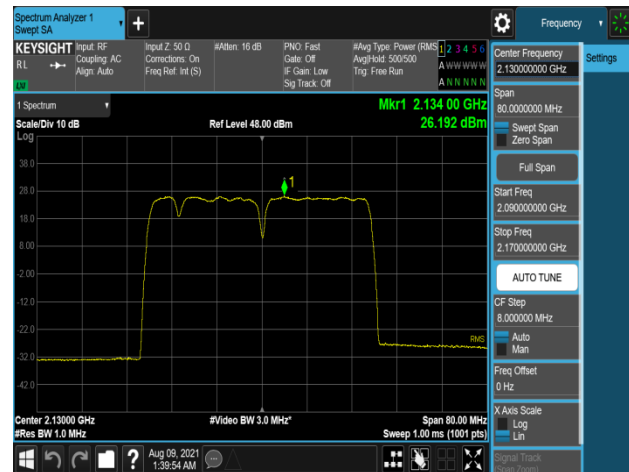
Plot 7-745. Peak Power Spectral Density Plot
(B66_5M+15M+20M_3C_16QAM - Low Channel, Port 0)



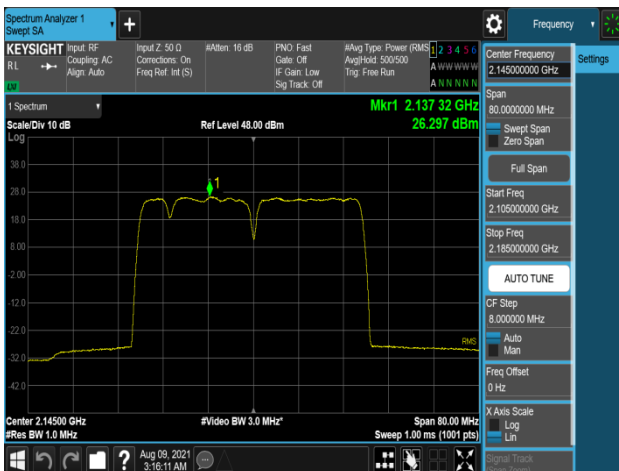
Plot 7-746. Peak Power Spectral Density Plot
(B66_5M+15M+20M_3C_16QAM - Low Channel, Port 1)



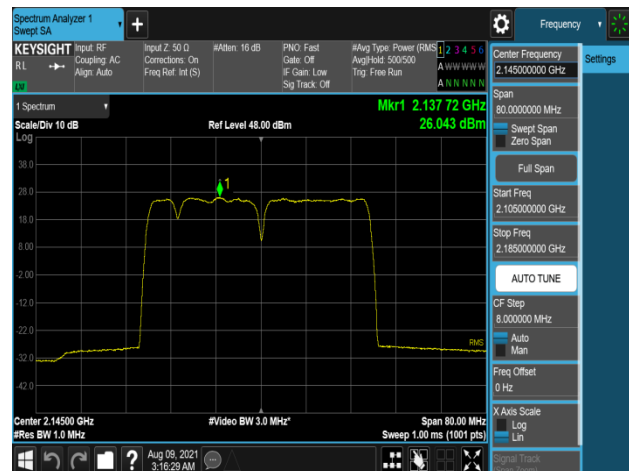
Plot 7-747. Peak Power Spectral Density Plot
(B66_5M+15M+20M_3C_16QAM - Low Channel, Port 2)



Plot 7-748. Peak Power Spectral Density Plot
(B66_5M+15M+20M_3C_16QAM - Low Channel, Port 3)

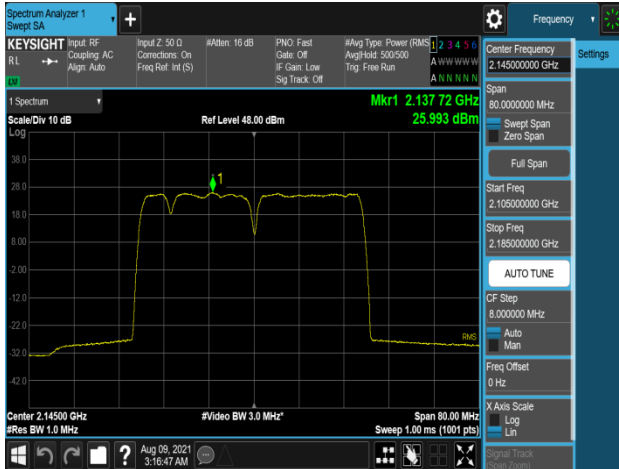


Plot 7-749. Peak Power Spectral Density Plot
(B66_5M+15M+20M_3C_16QAM – Mid Channel, Port 0)

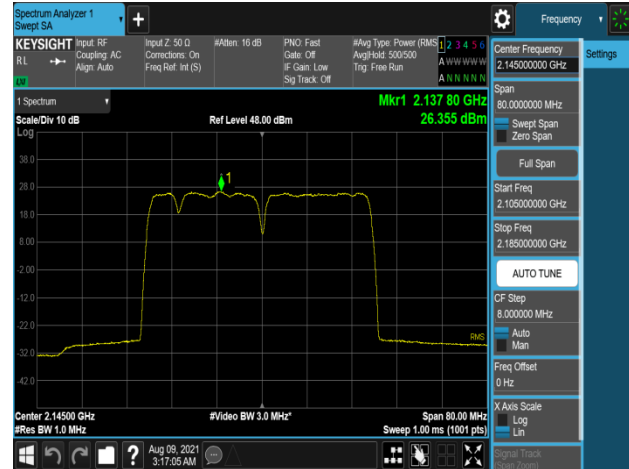


Plot 7-750. Peak Power Spectral Density Plot
(B66_5M+15M+20M_3C_16QAM – Mid Channel, Port 1)

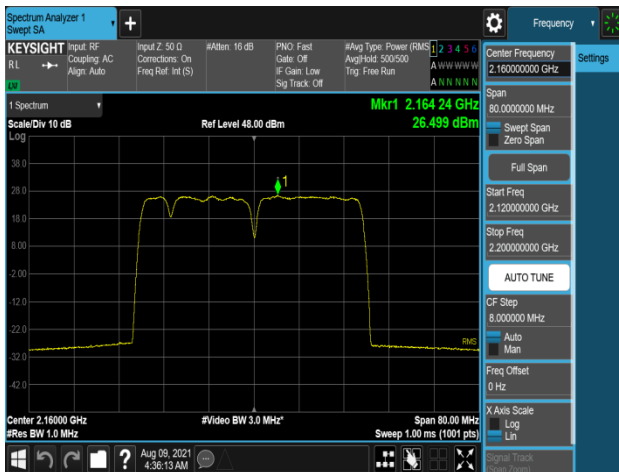
FCC ID: A3LRF4437D-25C	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21071202-R2.A3L	Test Dates: 07/19/2021-08/13/2021	EUT Type: RRU(RF4437d)		Page 199 of 420



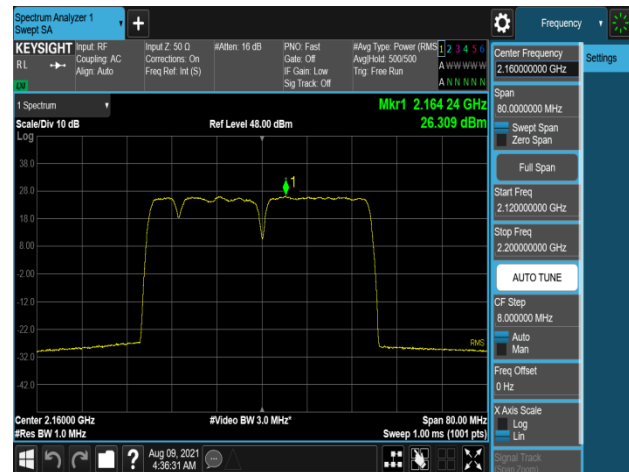
Plot 7-751. Peak Power Spectral Density Plot
(B66_5M+15M+20M_3C_16QAM – Mid Channel, Port 2)



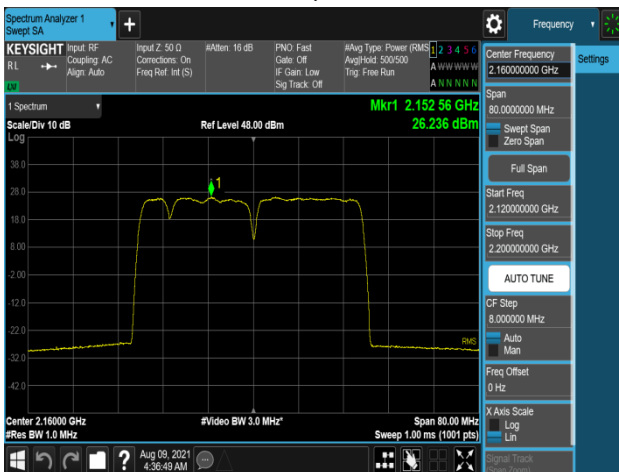
Plot 7-752. Peak Power Spectral Density Plot
(B66_5M+15M+20M_3C_16QAM – Mid Channel, Port 3)



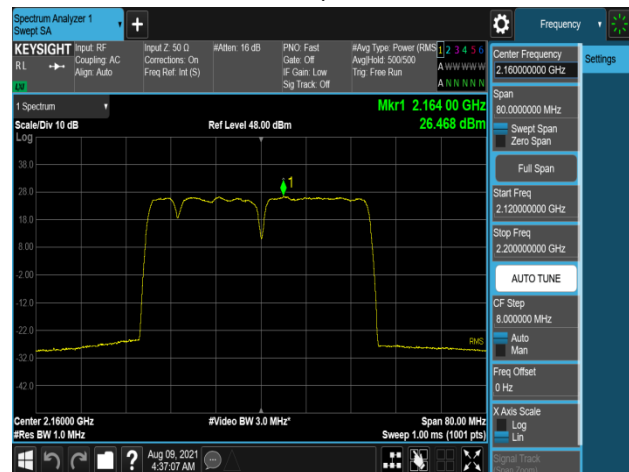
Plot 7-753. Peak Power Spectral Density Plot
(B66_5M+15M+20M_3C_16QAM – High Channel, Port 0)



Plot 7-754. Peak Power Spectral Density Plot
(B66_5M+15M+20M_3C_16QAM – High Channel, Port 1)



Plot 7-755. Peak Power Spectral Density Plot
(B66_5M+15M+20M_3C_16QAM – High Channel, Port



Plot 7-756. Peak Power Spectral Density Plot
(B66_5M+15M+20M_3C_16QAM – High Channel, Port

FCC ID: A3LRF4437D-25C	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/1MHz)	0	28.86	29.24	28.87	28.73
	1	28.59	28.95	28.59	28.60
	2	28.80	29.24	28.90	28.86
	3	28.80	29.18	28.84	28.73
Total MIMO Conducted Power (mW/1MHz)		3007.47	3290.40	3035.51	2985.80
Total MIMO Conducted Power (dBm/1MHz)		34.78	35.17	34.82	34.75
Ant. Gain (dBi)		12.50	12.50	12.50	12.50
MIMO EIRP(dBm/1MHz)		47.28	47.67	47.32	47.25
EIRP Limit(W/1MHz)		1640.00	1640.00	1640.00	1640.00
EIRP Limit(dBm/1MHz)		62.15	62.15	62.15	62.15
Margin (dB)		-14.87	-14.48	-14.83	-14.90

Table 7-147. Peak Power Spectral Density Table (B66_5M+5M+5M+5M_4C - Low Channel)

Mid Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/1MHz)	0	28.58	29.27	28.87	28.68
	1	28.51	28.85	28.59	28.57
	2	28.75	29.25	28.85	28.86
	3	28.85	29.08	28.88	28.99
Total MIMO Conducted Power (mW/1MHz)		2947.53	3264.21	3033.91	3016.90
Total MIMO Conducted Power (dBm/1MHz)		34.69	35.14	34.82	34.80
Ant. Gain (dBi)		12.50	12.50	12.50	12.50
MIMO EIRP(dBm/1MHz)		47.19	47.64	47.32	47.30
EIRP Limit(W/1MHz)		1640.00	1640.00	1640.00	1640.00
EIRP Limit(dBm/1MHz)		62.15	62.15	62.15	62.15
Margin (dB)		-14.95	-14.51	-14.83	-14.85

Table 7-148. Peak Power Spectral Density Table (B66_5M+5M+5M+5M_4C - Mid Channel)

High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/1MHz)	0	28.96	29.15	28.99	29.01
	1	28.77	29.00	28.71	28.77
	2	28.78	29.10	28.85	28.89
	3	28.88	29.27	28.89	28.96
Total MIMO Conducted Power (mW/1MHz)		3067.78	3273.01	3076.78	3111.05
Total MIMO Conducted Power (dBm/1MHz)		34.87	35.15	34.88	34.93
Ant. Gain (dBi)		12.50	12.50	12.50	12.50
MIMO EIRP(dBm/1MHz)		47.37	47.65	47.38	47.43
EIRP Limit(W/1MHz)		1640.00	1640.00	1640.00	1640.00
EIRP Limit(dBm/1MHz)		62.15	62.15	62.15	62.15
Margin (dB)		-14.78	-14.50	-14.77	-14.72

Table 7-149. Peak Power Spectral Density Table (B66_5M+5M+5M+5M_4C - High Channel)

FCC ID: A3LRF4437D-25C		MEASUREMENT REPORT		Approved by: Technical Manager
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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/1MHz)	0	26.18	26.58	26.22	26.21
	1	26.04	26.49	26.08	25.99
	2	26.29	26.64	26.43	26.33
	3	26.36	26.83	26.32	26.50
Total MIMO Conducted Power (mW/1MHz)		1674.09	1844.02	1692.69	1690.98
Total MIMO Conducted Power (dBm/1MHz)		32.24	32.66	32.29	32.28
Ant. Gain (dBi)		12.50	12.50	12.50	12.50
MIMO EIRP(dBm/1MHz)		44.74	45.16	44.79	44.78
EIRP Limit(W/1MHz)		1640.00	1640.00	1640.00	1640.00
EIRP Limit(dBm/1MHz)		62.15	62.15	62.15	62.15
Margin (dB)		-17.41	-16.99	-17.36	-17.37

Table 7-150. Peak Power Spectral Density Table (B66_5M+5M+5M+20M_4C - Low Channel)

Mid Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/1MHz)	0	26.38	26.88	26.46	26.28
	1	26.06	26.46	26.27	26.07
	2	26.36	26.83	26.40	26.38
	3	26.47	26.70	26.40	26.38
Total MIMO Conducted Power (mW/1MHz)		1714.15	1880.88	1738.97	1697.44
Total MIMO Conducted Power (dBm/1MHz)		32.34	32.74	32.40	32.30
Ant. Gain (dBi)		12.50	12.50	12.50	12.50
MIMO EIRP(dBm/1MHz)		44.84	45.24	44.90	44.80
EIRP Limit(W/1MHz)		1640.00	1640.00	1640.00	1640.00
EIRP Limit(dBm/1MHz)		62.15	62.15	62.15	62.15
Margin (dB)		-17.31	-16.90	-17.25	-17.35

Table 7-151. Peak Power Spectral Density Table (B66_5M+5M+5M+20M_4C - Mid Channel)

High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/1MHz)	0	26.55	27.02	26.54	26.61
	1	26.42	26.94	26.45	26.36
	2	26.53	27.02	26.70	26.67
	3	26.67	27.09	26.65	26.70
Total MIMO Conducted Power (mW/1MHz)		1805.31	2012.54	1822.70	1823.77
Total MIMO Conducted Power (dBm/1MHz)		32.57	33.04	32.61	32.61
Ant. Gain (dBi)		12.50	12.50	12.50	12.50
MIMO EIRP(dBm/1MHz)		45.07	45.54	45.11	45.11
EIRP Limit(W/1MHz)		1640.00	1640.00	1640.00	1640.00
EIRP Limit(dBm/1MHz)		62.15	62.15	62.15	62.15
Margin (dB)		-17.08	-16.61	-17.04	-17.04

Table 7-152. Peak Power Spectral Density Table (B66_5M+5M+5M+20M_4C - High Channel)

FCC ID: A3LRF4437D-25C		MEASUREMENT REPORT		Approved by: Technical Manager
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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/1MHz)	0	25.89	26.03	25.87	25.70
	1	25.50	25.86	25.58	25.40
	2	25.60	26.21	25.51	25.50
	3	25.74	26.19	25.96	25.72
Total MIMO Conducted Power (mW/1MHz)		1480.62	1620.27	1497.36	1445.64
Total MIMO Conducted Power (dBm/1MHz)		31.70	32.10	31.75	31.60
Ant. Gain (dBi)		12.50	12.50	12.50	12.50
MIMO EIRP(dBm/1MHz)		44.20	44.60	44.25	44.10
EIRP Limit(W/1MHz)		1640.00	1640.00	1640.00	1640.00
EIRP Limit(dBm/1MHz)		62.15	62.15	62.15	62.15
Margin (dB)		-17.94	-17.55	-17.90	-18.05

Table 7-153. Peak Power Spectral Density Table (B66_5M+5M+10M+20M_4C - Low Channel)

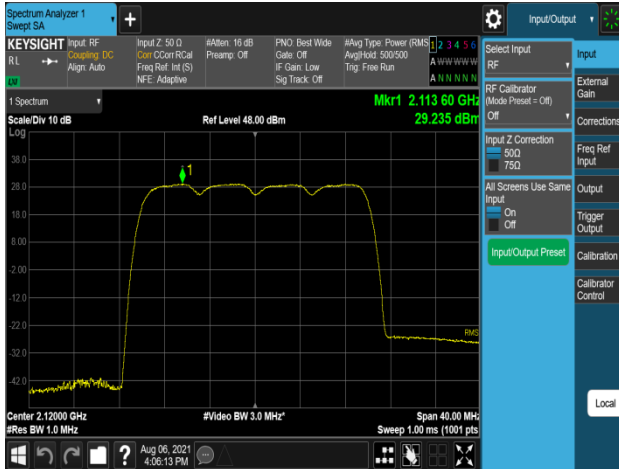
Mid Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/1MHz)	0	25.77	26.19	25.74	25.74
	1	25.47	25.67	25.44	25.52
	2	25.56	25.76	25.49	25.44
	3	25.80	26.05	25.72	25.73
Total MIMO Conducted Power (mW/1MHz)		1470.19	1563.84	1451.66	1455.23
Total MIMO Conducted Power (dBm/1MHz)		31.67	31.94	31.62	31.63
Ant. Gain (dBi)		12.50	12.50	12.50	12.50
MIMO EIRP(dBm/1MHz)		44.17	44.44	44.12	44.13
EIRP Limit(W/1MHz)		1640.00	1640.00	1640.00	1640.00
EIRP Limit(dBm/1MHz)		62.15	62.15	62.15	62.15
Margin (dB)		-17.97	-17.71	-18.03	-18.02

Table 7-154. Peak Power Spectral Density Table (B66_5M+5M+10M+20M_4C - Mid Channel)

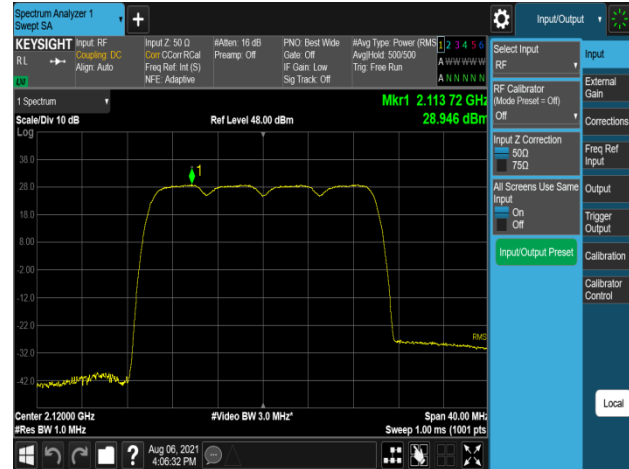
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/1MHz)	0	25.84	26.34	25.90	25.87
	1	25.71	26.21	25.74	25.86
	2	25.81	26.28	25.65	25.71
	3	25.87	26.60	25.98	26.06
Total MIMO Conducted Power (mW/1MHz)		1522.75	1730.38	1527.95	1547.52
Total MIMO Conducted Power (dBm/1MHz)		31.83	32.38	31.84	31.90
Ant. Gain (dBi)		12.50	12.50	12.50	12.50
MIMO EIRP(dBm/1MHz)		44.33	44.88	44.34	44.40
EIRP Limit(W/1MHz)		1640.00	1640.00	1640.00	1640.00
EIRP Limit(dBm/1MHz)		62.15	62.15	62.15	62.15
Margin (dB)		-17.82	-17.27	-17.81	-17.75

Table 7-155. Peak Power Spectral Density Table (B66_5M+5M+10M+20M_4C - High Channel)

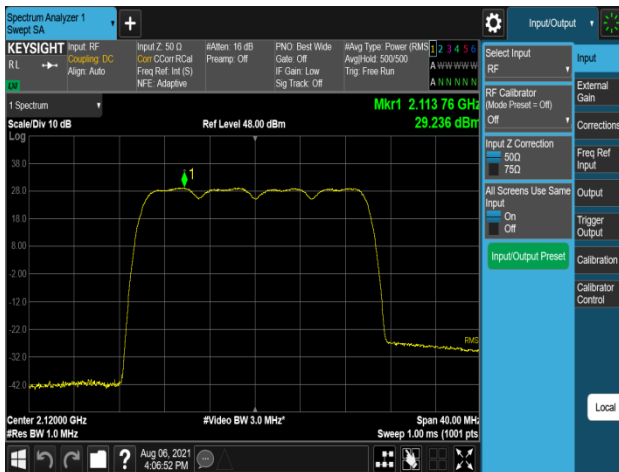
FCC ID: A3LRF4437D-25C		MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 8K21071202-R2.A3L	Test Dates: 07/19/2021-08/13/2021	EUT Type: RRU(RF4437d)		Page 203 of 420



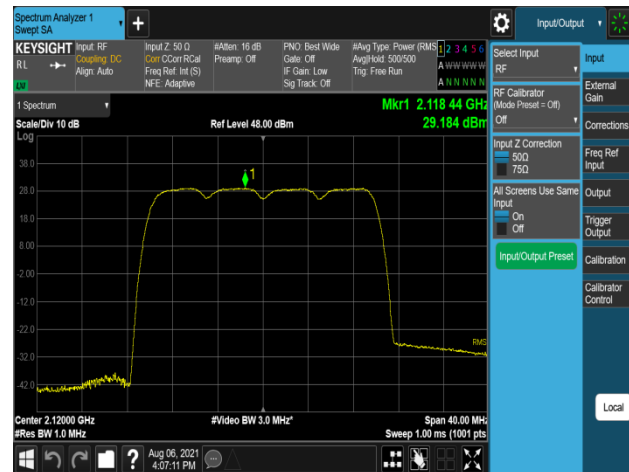
Plot 7-757. Peak Power Spectral Density Plot
(B66_5M+5M+5M+5M_4C_16QAM - Low Channel, Port 0)



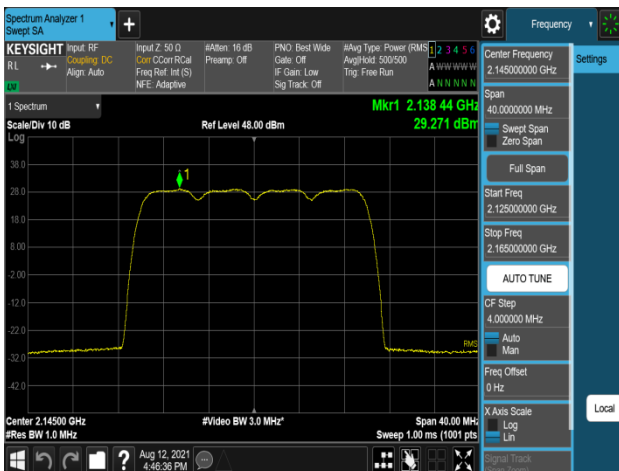
Plot 7-758. Peak Power Spectral Density Plot
(B66_5M+5M+5M+5M_4C_16QAM - Low Channel, Port 1)



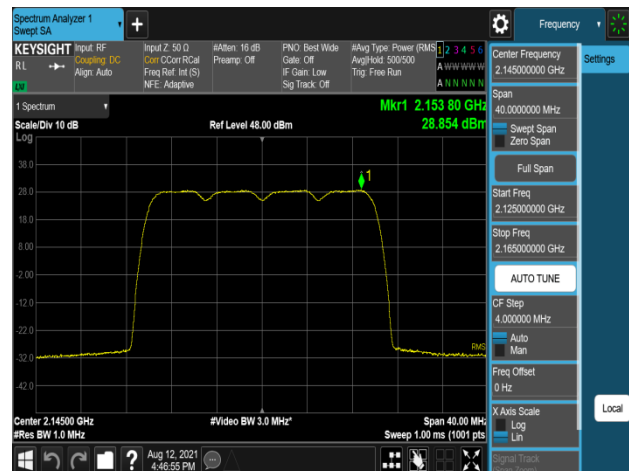
Plot 7-759. Peak Power Spectral Density Plot
(B66_5M+5M+5M+5M_4C_16QAM - Low Channel, Port 2)



Plot 7-760. Peak Power Spectral Density Plot
(B66_5M+5M+5M+5M_4C_16QAM - Low Channel, Port 3)

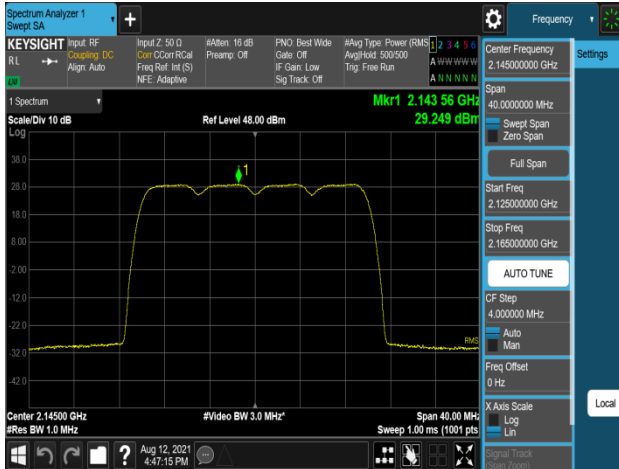


Plot 7-761. Peak Power Spectral Density Plot
(B66_5M+5M+5M+5M_4C_16QAM - Mid Channel, Port 0)

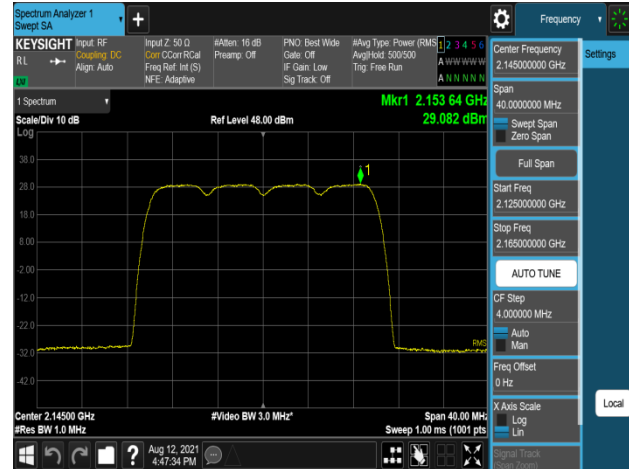


Plot 7-762. Peak Power Spectral Density Plot
(B66_5M+5M+5M+5M_4C_16QAM - Mid Channel, Port 1)

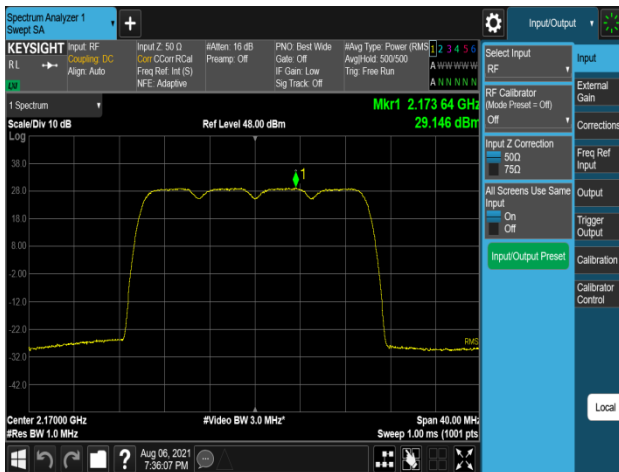
FCC ID: A3LRF4437D-25C	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21071202-R2.A3L	Test Dates: 07/19/2021-08/13/2021	EUT Type: RRU(RF4437d)		Page 204 of 420



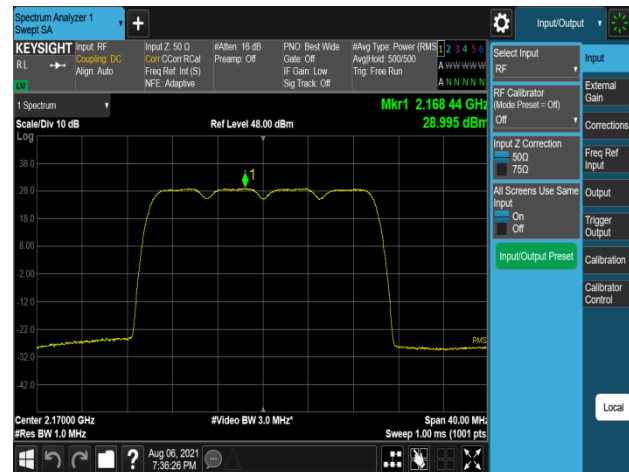
Plot 7-763. Peak Power Spectral Density Plot
(B66_5M+5M+5M+5M_4C_16QAM - Mid Channel, Port 2)



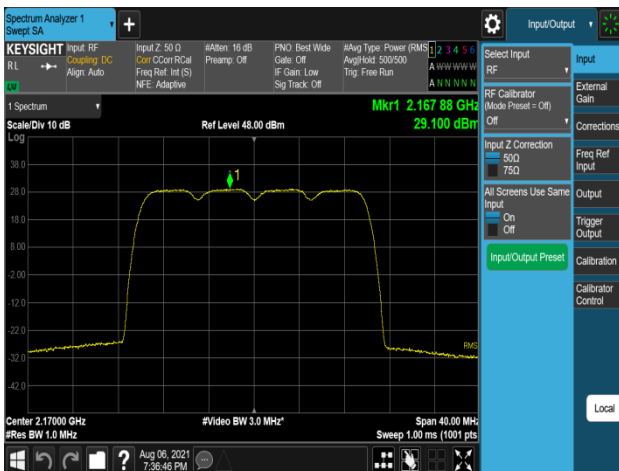
Plot 7-764. Peak Power Spectral Density Plot
(B66_5M+5M+5M+5M_4C_16QAM - Mid Channel, Port 3)



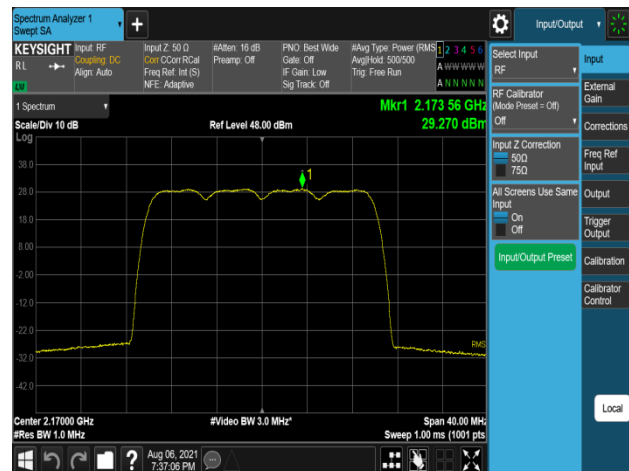
Plot 7-765. Peak Power Spectral Density Plot
(B66_5M+5M+5M+5M_4C_16QAM - High Channel, Port 0)



Plot 7-766. Peak Power Spectral Density Plot
(B66_5M+5M+5M+5M_4C_16QAM - High Channel, Port 1)

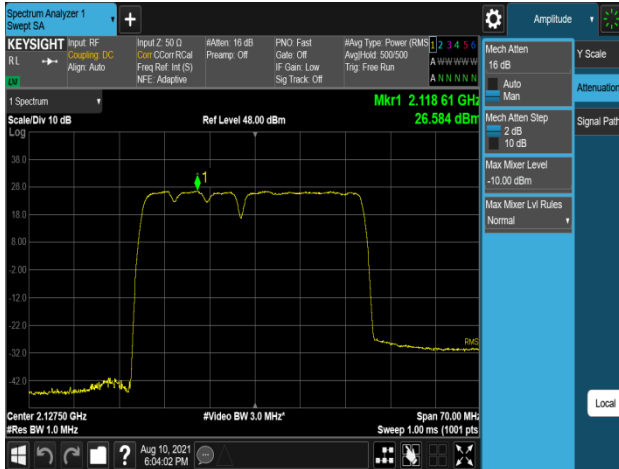


Plot 7-767. Peak Power Spectral Density Plot
(B66_5M+5M+5M+5M_4C_16QAM - High Channel, Port 2)

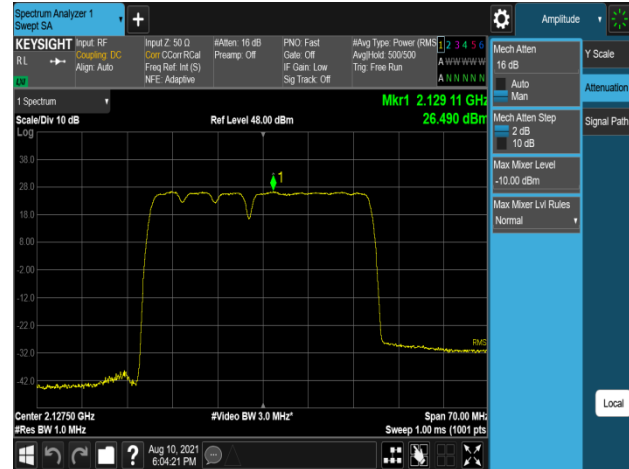


Plot 7-768. Peak Power Spectral Density Plot
(B66_5M+5M+5M+5M_4C_16QAM - High Channel, Port 3)

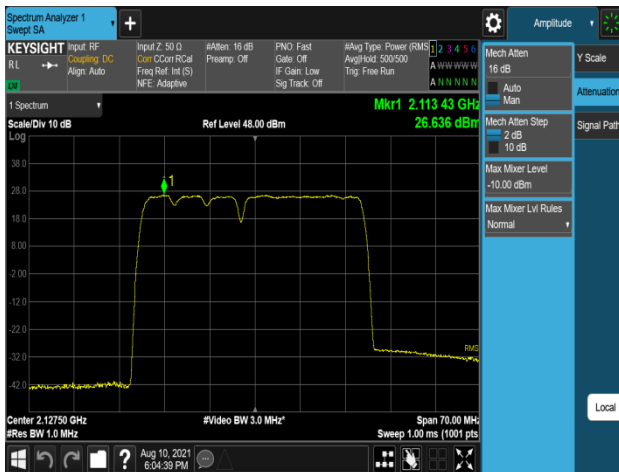
FCC ID: A3LRF4437D-25C	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21071202-R2.A3L	Test Dates: 07/19/2021-08/13/2021	EUT Type: RRU(RF4437d)		Page 205 of 420



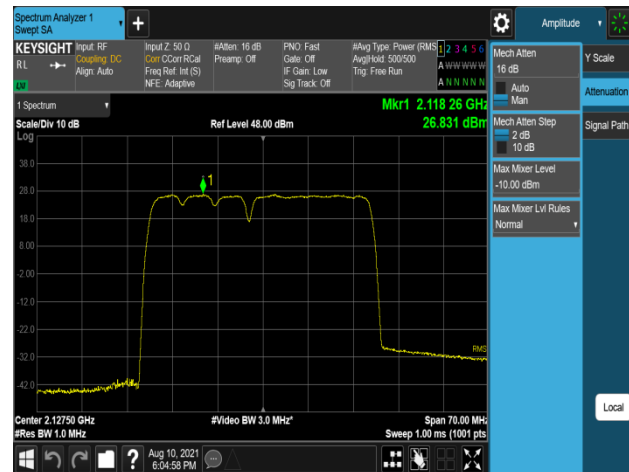
Plot 7-769. Peak Power Spectral Density Plot
(B66_5M+5M+5M+20M_4C_16QAM - Low Channel, Port 0)



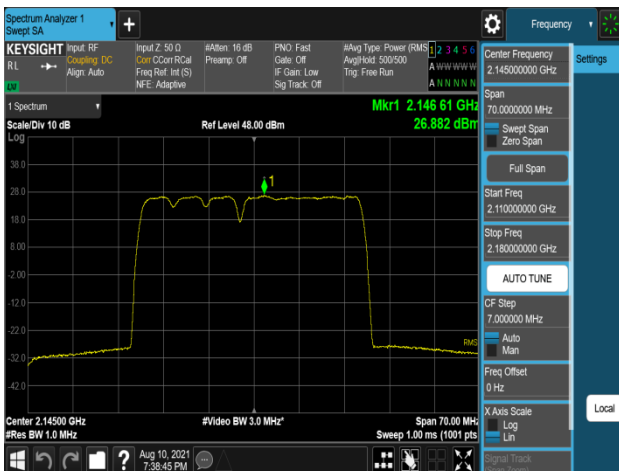
Plot 7-770. Peak Power Spectral Density Plot
(B66_5M+5M+5M+20M_4C_16QAM - Low Channel, Port 1)



Plot 7-771. Peak Power Spectral Density Plot
(B66_5M+5M+5M+20M_4C_16QAM - Low Channel, Port 2)



Plot 7-772. Peak Power Spectral Density Plot
(B66_5M+5M+5M+20M_4C_16QAM - Low Channel, Port 3)

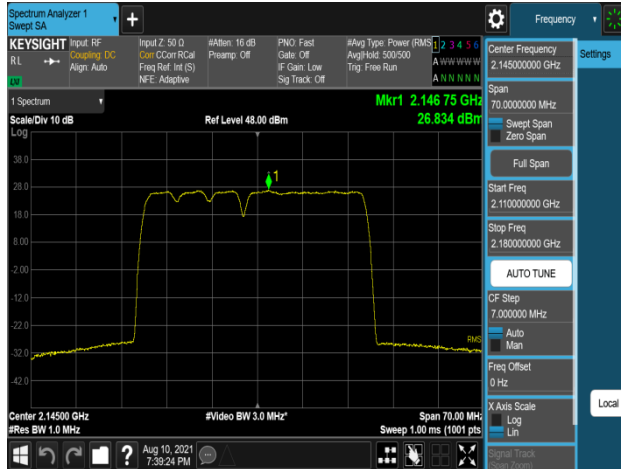


Plot 7-773. Peak Power Spectral Density Plot
(B66_5M+5M+5M+20M_4C_16QAM - Mid Channel, Port 0)

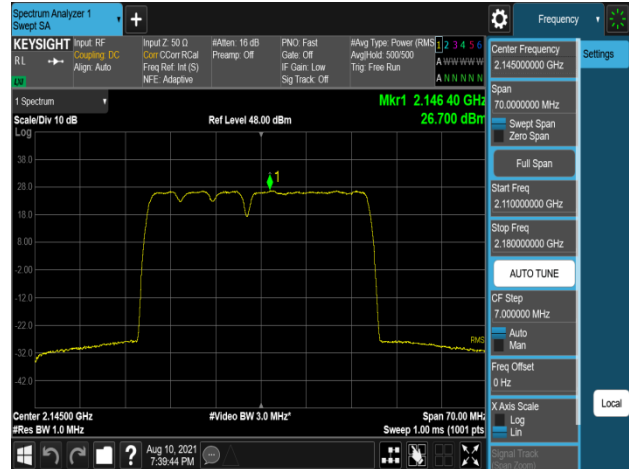


Plot 7-774. Peak Power Spectral Density Plot
(B66_5M+5M+5M+20M_4C_16QAM - Mid Channel, Port 1)

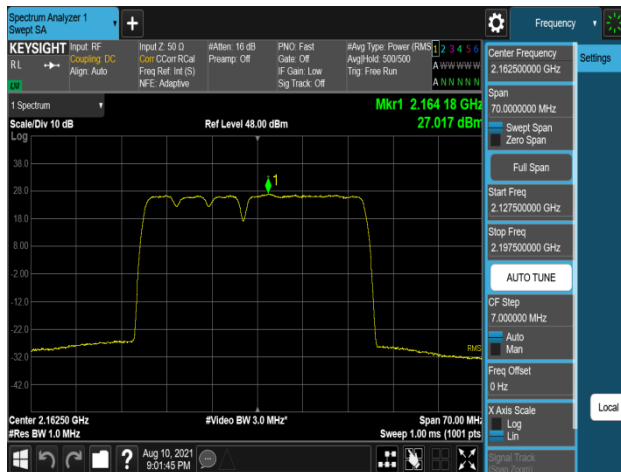
FCC ID: A3LRF4437D-25C	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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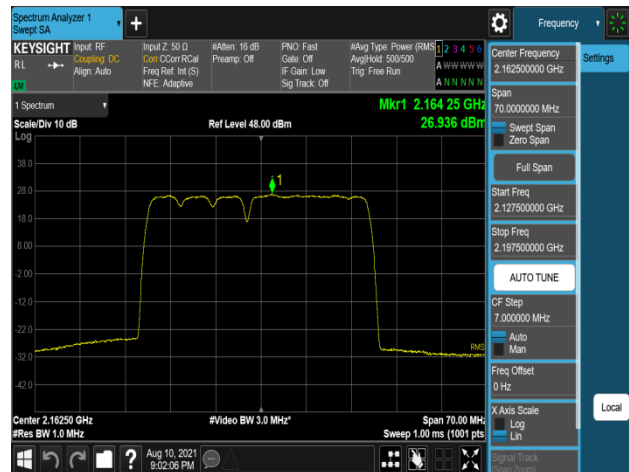
Plot 7-775. Peak Power Spectral Density Plot
(B66_5M+5M+5M+20M_4C_16QAM - Mid Channel, Port 2)



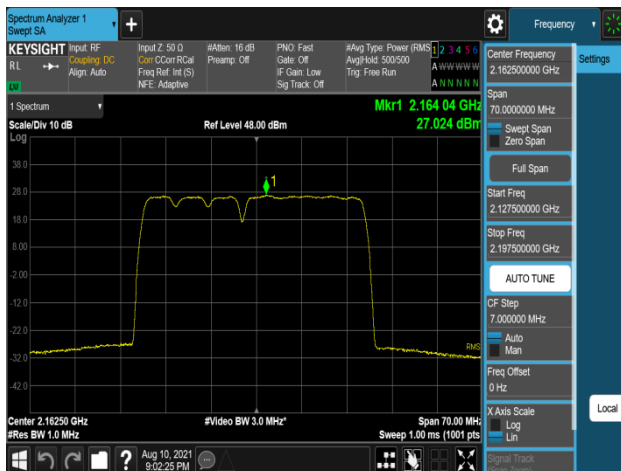
Plot 7-776. Peak Power Spectral Density Plot
(B66_5M+5M+5M+20M_4C_16QAM - Mid Channel, Port 3)



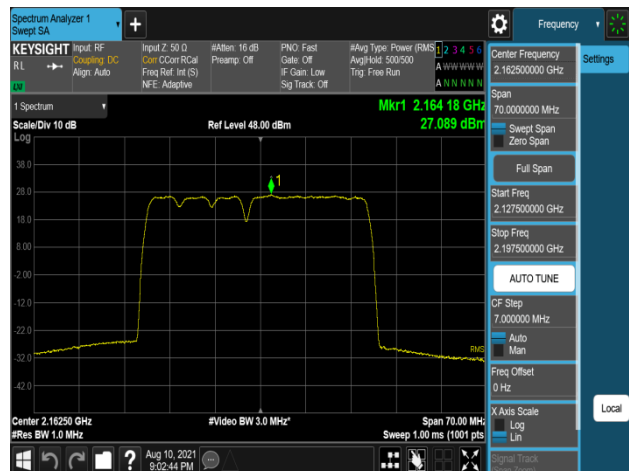
Plot 7-777. Peak Power Spectral Density Plot
(B66_5M+5M+5M+20M_4C_16QAM - High Channel, Port 0)



Plot 7-778. Peak Power Spectral Density Plot
(B66_5M+5M+5M+20M_4C_16QAM - High Channel, Port 1)

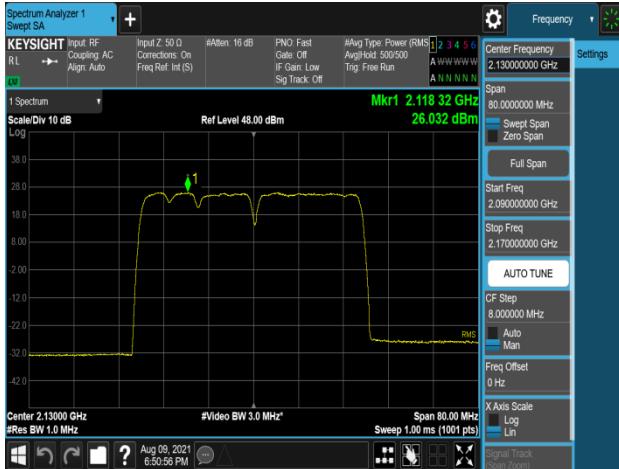


Plot 7-779. Peak Power Spectral Density Plot
(B66_5M+5M+5M+20M_4C_16QAM - High Channel, Port 2)

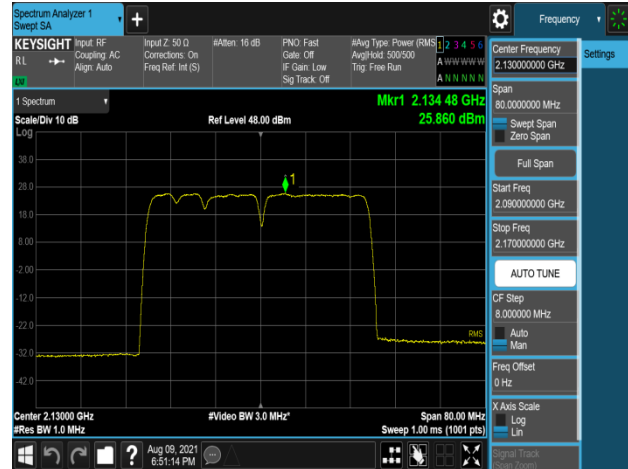


Plot 7-780. Peak Power Spectral Density Plot
(B66_5M+5M+5M+20M_4C_16QAM - High Channel, Port 3)

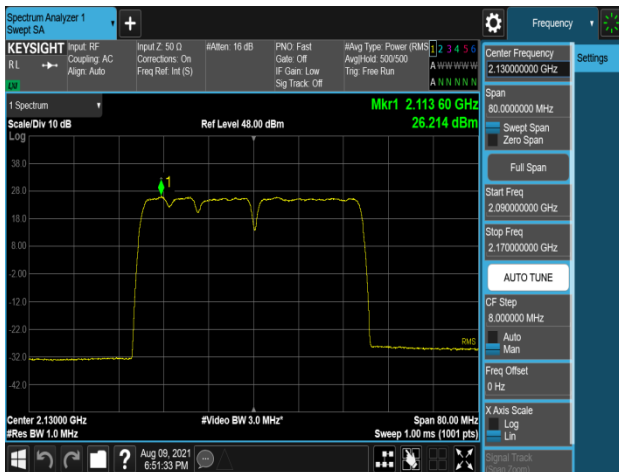
FCC ID: A3LRF4437D-25C	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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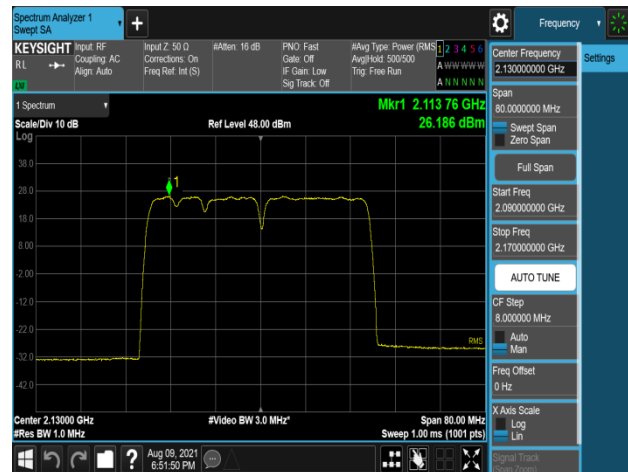
Plot 7-781. Peak Power Spectral Density Plot
(B66_5M+5M+10M+20M_4C_16QAM - Low Channel, Port 0)



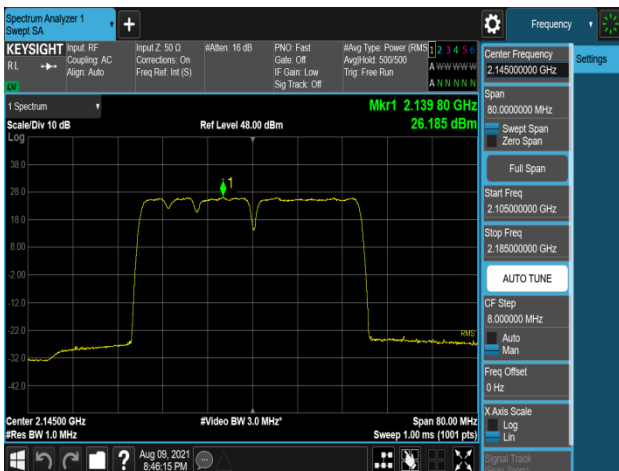
Plot 7-782. Peak Power Spectral Density Plot
(B66_5M+5M+10M+20M_4C_16QAM - Low Channel, Port 1)



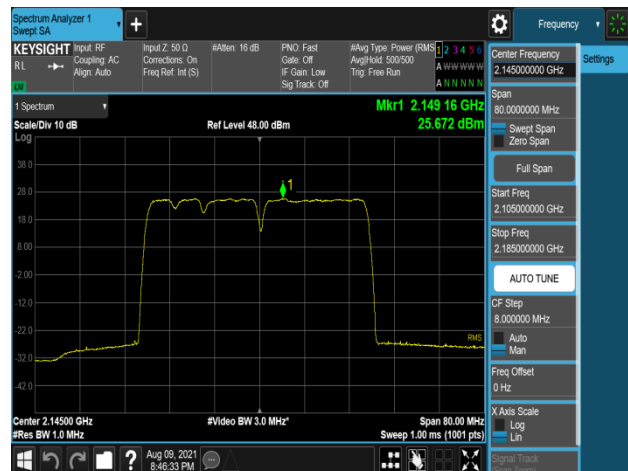
Plot 7-783. Peak Power Spectral Density Plot
(B66_5M+5M+10M+20M_4C_16QAM - Low Channel, Port 2)



Plot 7-784. Peak Power Spectral Density Plot
(B66_5M+5M+10M+20M_4C_16QAM - Low Channel, Port 3)

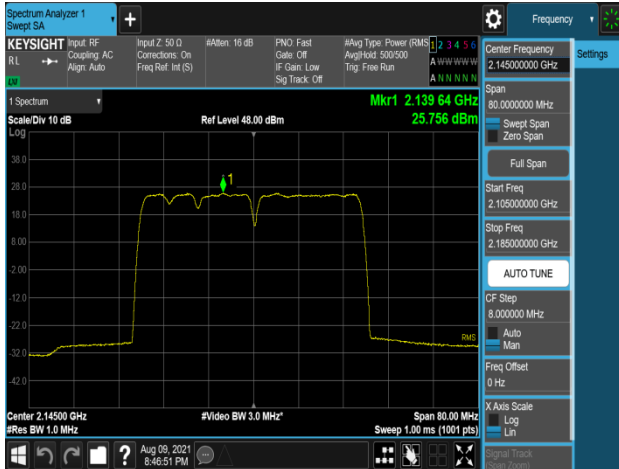


Plot 7-785. Peak Power Spectral Density Plot
(B66_5M+5M+10M+20M_4C_16QAM - Mid Channel, Port 0)

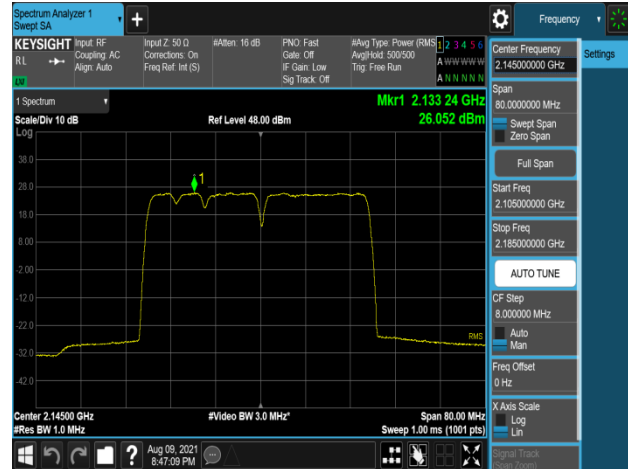


Plot 7-786. Peak Power Spectral Density Plot
(B66_5M+5M+10M+20M_4C_16QAM - Mid Channel, Port 1)

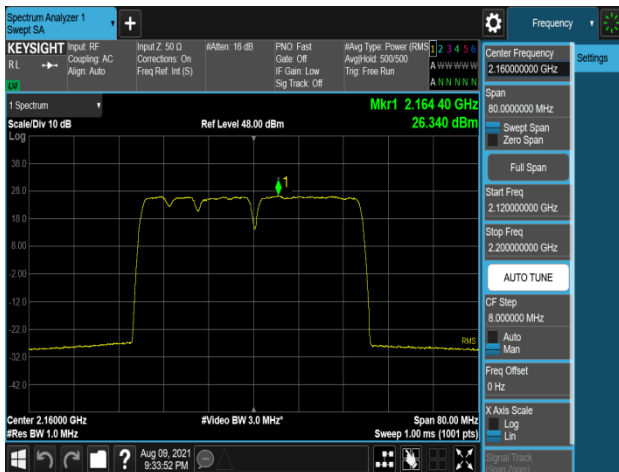
FCC ID: A3LRF4437D-25C	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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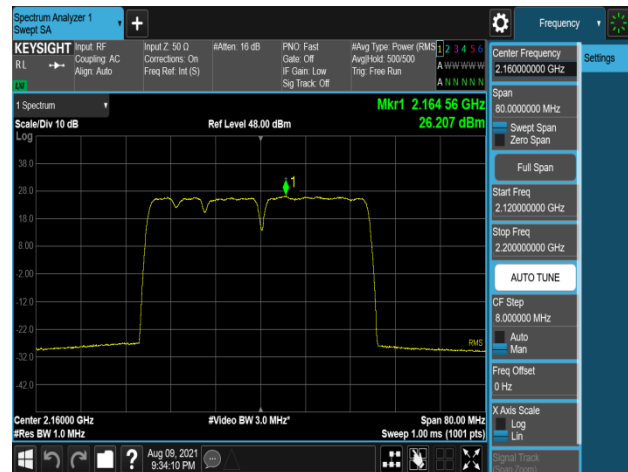
Plot 7-787. Peak Power Spectral Density Plot
(B66_5M+5M+10M+20M_4C_16QAM – Mid Channel, Port 2)



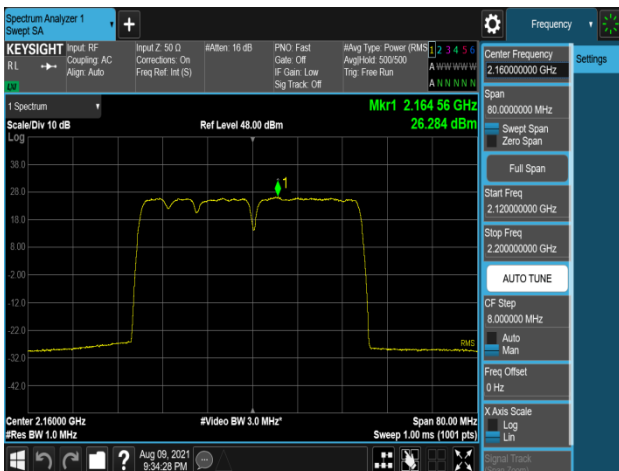
Plot 7-788. Peak Power Spectral Density Plot
(B66_5M+5M+10M+20M_4C_16QAM – Mid Channel, Port 3)



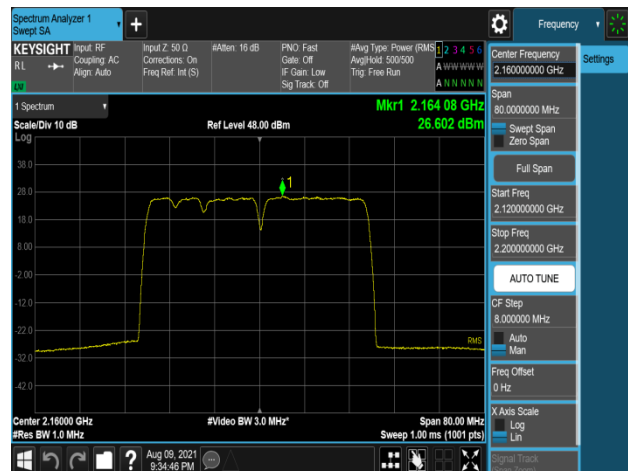
Plot 7-789. Peak Power Spectral Density Plot
(B66_5M+5M+10M+20M_4C_16QAM – High Channel, Port 0)



Plot 7-790. Peak Power Spectral Density Plot
(B66_5M+5M+10M+20M_4C_16QAM – High Channel, Port 1)



Plot 7-791. Peak Power Spectral Density Plot
(B66_5M+5M+10M+20M_4C_16QAM – High Channel, Port 2)



Plot 7-792. Peak Power Spectral Density Plot
(B66_5M+5M+10M+20M_4C_16QAM – High Channel, Port 3)

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