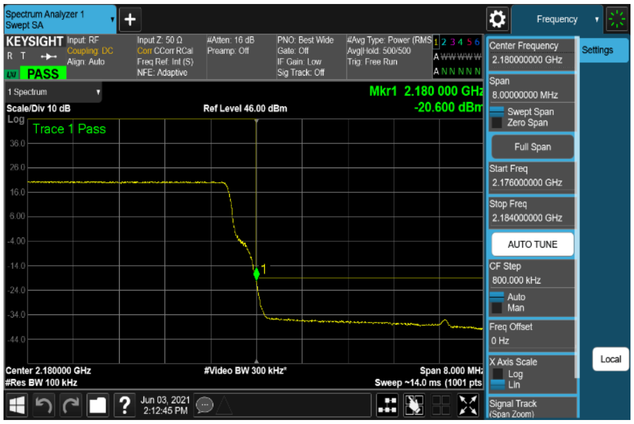
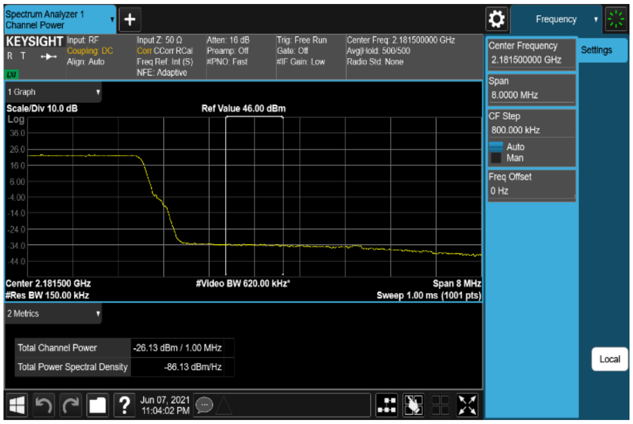


KEYSIGHT PASS
Trace 1 Pass
Mkr1 2.180 000 GHz -20.600 dBm
Scale/Div 10 dB Ref Level 46.00 dBm
Center 2.180000 GHz #Video BW 300 kHz* Span 8.000 MHz
#Res BW 100 kHz Sweep ~14.0 ms (1001 pts)
Jun 03, 2021 2:12:45 PM

Plot 7-629. Band Edge Emission Plot (B66_15M+10M+10M_QPSK, Port 2)



Scale/Div 10.0 dB Ref Value 46.00 dBm
Center 2.181500 GHz #Video BW 620.00 kHz* Span 8 MHz
#Res BW 150.00 kHz Sweep 1.00 ms (1001 pts)
Total Channel Power -26.13 dBm / 1.00 MHz
Total Power Spectral Density -86.13 dBm/Hz
Jun 07, 2021 11:04:02 PM

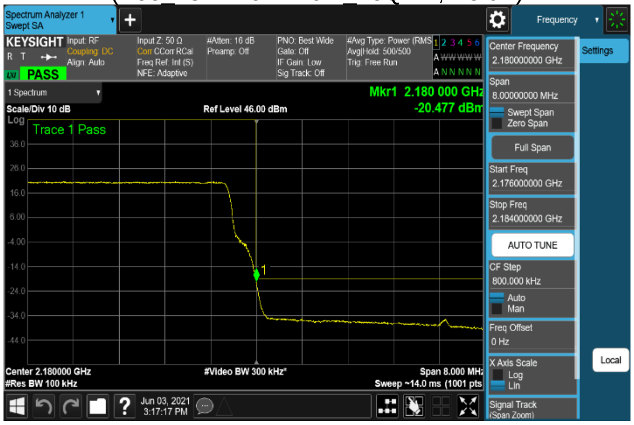
Plot 7-630. Band Edge Emission(Channel Power) Plot (B66_15M+10M+10M_QPSK, Port 2)

KEYSIGHT PASS
Trace 1 Pass
Mkr1 2.180 000 GHz -21.009 dBm
Scale/Div 10 dB Ref Level 46.00 dBm
Center 2.180000 GHz #Video BW 300 kHz* Span 8.000 MHz
#Res BW 100 kHz Sweep ~14.0 ms (1001 pts)
Jun 03, 2021 2:40:06 PM

Plot 7-631. Band Edge Emission Plot (B66_15M+10M+10M_16QAM, Port 2)

Scale/Div 10.0 dB Ref Value 46.00 dBm
Center 2.181500 GHz #Video BW 620.00 kHz* Span 8 MHz
#Res BW 150.00 kHz Sweep 1.00 ms (1001 pts)
Total Channel Power -26.35 dBm / 1.00 MHz
Total Power Spectral Density -86.35 dBm/Hz
Jun 07, 2021 11:08:12 PM

Plot 7-632. Band Edge Emission(Channel Power) Plot (B66_15M+10M+10M_16QAM, Port 2)

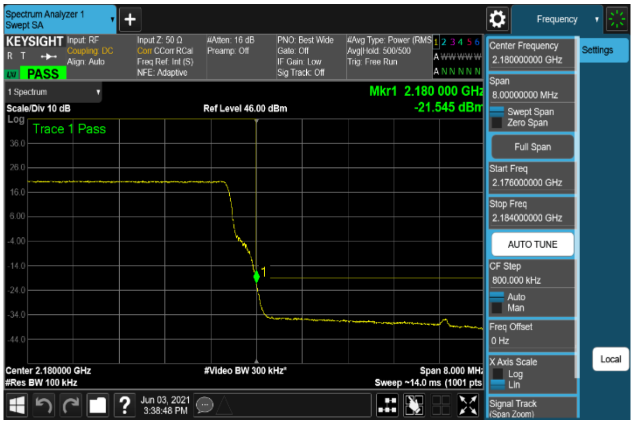


KEYSIGHT PASS
Trace 1 Pass
Mkr1 2.180 000 GHz -20.477 dBm
Scale/Div 10 dB Ref Level 46.00 dBm
Center 2.180000 GHz #Video BW 300 kHz* Span 8.000 MHz
#Res BW 100 kHz Sweep ~14.0 ms (1001 pts)
Jun 03, 2021 3:17:17 PM

Plot 7-633. Band Edge Emission Plot (B66_15M+10M+10M_64QAM, Port 2)

Scale/Div 10.0 dB Ref Value 46.00 dBm
Center 2.181500 GHz #Video BW 620.00 kHz* Span 8 MHz
#Res BW 150.00 kHz Sweep 1.00 ms (1001 pts)
Total Channel Power -26.44 dBm / 1.00 MHz
Total Power Spectral Density -86.44 dBm/Hz
Jun 07, 2021 11:13:16 PM

Plot 7-634. Band Edge Emission(Channel Power) Plot (B66_15M+10M+10M_64QAM, Port 2)


Spectrum Analyzer 1
Swept SA
KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive #Atten: 16 dB Preamp: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) Avg|Hold: 500/500 Trig: Free Run
PASS
Mkr1 2.180 000 GHz -21.545 dBm
Scale/Div 10 dB Ref Level 46.00 dBm
Trace 1 Pass
Center 2.180000 GHz #Res BW 100 kHz #Video BW 300 kHz* Span 8.000 MHz Sweep ~14.0 ms (1001 pts)
Center Frequency 2.180000000 GHz
Span 8.00000000 MHz
Start Freq 2.176000000 GHz
Stop Freq 2.184000000 GHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 03, 2021 3:38:48 PM

Plot 7-635. Band Edge Emission Plot
(B66_15M+10M+10M_256QAM, Port 2)


Spectrum Analyzer 1
Channel Power
KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive Atten: 16 dB Preamp: Off #PNO: Fast Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 2.181500000 GHz Avg|Hold: 500/500 Radio Std: None
Scale/Div 10.0 dB Ref Value 46.00 dBm
Center 2.181500 GHz #Res BW 150.00 kHz #Video BW 620.00 kHz* Span 8 MHz Sweep 1.00 ms (1001 pts)
Total Channel Power -26.51 dBm / 1.00 MHz
Total Power Spectral Density -86.51 dBm/Hz
Center Frequency 2.181500000 GHz
Span 8.0000 MHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 07, 2021 10:58:47 PM

Plot 7-636. Band Edge Emission(Channel Power) Plot
(B66_15M+10M+10M_256QAM, Port 2)


Spectrum Analyzer 1
Swept SA
KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive #Atten: 16 dB Preamp: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) Avg|Hold: 500/500 Trig: Free Run
PASS
Mkr1 2.180 000 GHz -20.874 dBm
Scale/Div 10 dB Ref Level 46.00 dBm
Trace 1 Pass
Center 2.180000 GHz #Res BW 100 kHz #Video BW 300 kHz* Span 8.000 MHz Sweep ~14.0 ms (1001 pts)
Center Frequency 2.180000000 GHz
Span 8.00000000 MHz
Start Freq 2.176000000 GHz
Stop Freq 2.184000000 GHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 03, 2021 2:13:27 PM

Plot 7-637. Band Edge Emission Plot
(B66_15M+10M+10M_QPSK, Port 3)


Spectrum Analyzer 1
Channel Power
KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive Atten: 16 dB Preamp: Off #PNO: Fast Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 2.181500000 GHz Avg|Hold: 500/500 Radio Std: None
Scale/Div 10.0 dB Ref Value 46.00 dBm
Center 2.181500 GHz #Res BW 150.00 kHz #Video BW 620.00 kHz* Span 8 MHz Sweep 1.00 ms (1001 pts)
Total Channel Power -26.64 dBm / 1.00 MHz
Total Power Spectral Density -86.64 dBm/Hz
Center Frequency 2.181500000 GHz
Span 8.0000 MHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 07, 2021 11:04:20 PM

Plot 7-638. Band Edge Emission(Channel Power) Plot
(B66_15M+10M+10M_QPSK, Port 3)


Spectrum Analyzer 1
Swept SA
KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive #Atten: 16 dB Preamp: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) Avg|Hold: 500/500 Trig: Free Run
PASS
Mkr1 2.180 000 GHz -20.801 dBm
Scale/Div 10 dB Ref Level 46.00 dBm
Trace 1 Pass
Center 2.180000 GHz #Res BW 100 kHz #Video BW 300 kHz* Span 8.000 MHz Sweep ~14.0 ms (1001 pts)
Center Frequency 2.180000000 GHz
Span 8.00000000 MHz
Start Freq 2.176000000 GHz
Stop Freq 2.184000000 GHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 03, 2021 2:40:47 PM

Plot 7-639. Band Edge Emission Plot
(B66_15M+10M+10M_16QAM, Port 3)


Spectrum Analyzer 1
Channel Power
KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive Atten: 16 dB Preamp: Off #PNO: Fast Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 2.181500000 GHz Avg|Hold: 500/500 Radio Std: None
Scale/Div 10.0 dB Ref Value 46.00 dBm
Center 2.181500 GHz #Res BW 150.00 kHz #Video BW 620.00 kHz* Span 8 MHz Sweep 1.00 ms (1001 pts)
Total Channel Power -26.49 dBm / 1.00 MHz
Total Power Spectral Density -86.49 dBm/Hz
Center Frequency 2.181500000 GHz
Span 8.0000 MHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 07, 2021 11:08:31 PM

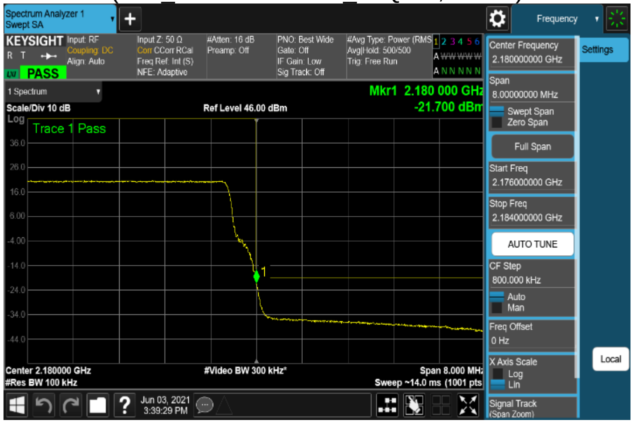
Plot 7-640. Band Edge Emission(Channel Power) Plot
(B66_15M+10M+10M_16QAM, Port 3)

Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corr CCorr RCal
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 16 dB
Preamp: Off
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
#Avg Type: Power (RMS)
Avg|Hold: 500/500
Trig: Free Run
Mkr1 2.180 000 GHz
-20.940 dBm
Scale/Div 10 dB
Ref Level 46.00 dBm
Center 2.180000 GHz
#Res BW 100 kHz
#Video BW 300 kHz*
Span 8.000 MHz
Sweep ~14.0 ms (1001 pts)
Center Frequency 2.180000000 GHz
Span 8.00000000 MHz
Start Freq 2.176000000 GHz
Stop Freq 2.184000000 GHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 03, 2021 3:13:58 PM

Plot 7-641. Band Edge Emission Plot
(B66_15M+10M+10M_64QAM, Port 3)

Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corr CCorr RCal
Freq Ref: Int (S)
NFE: Adaptive
Atten: 16 dB
Preamp: Off
#PNO: Fast
Trig: Free Run
Gate: Off
#IF Gain: Low
Center Freq: 2.181500000 GHz
Avg|Hold: 500/500
Radio Std: None
Scale/Div 10.0 dB
Ref Value 46.00 dBm
Center 2.181500 GHz
#Res BW 150.00 kHz
#Video BW 620.00 kHz*
Span 8 MHz
Sweep 1.00 ms (1001 pts)
Total Channel Power -26.23 dBm / 1.00 MHz
Total Power Spectral Density -86.23 dBm/Hz
Center Frequency 2.181500000 GHz
Span 8.0000 MHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 07, 2021 11:13:35 PM

Plot 7-642. Band Edge Emission(Channel Power) Plot
(B66_15M+10M+10M_64QAM, Port 3)



Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corr CCorr RCal
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 16 dB
Preamp: Off
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
#Avg Type: Power (RMS)
Avg|Hold: 500/500
Trig: Free Run
Mkr1 2.180 000 GHz
-21.700 dBm
Scale/Div 10 dB
Ref Level 46.00 dBm
Center 2.180000 GHz
#Res BW 100 kHz
#Video BW 300 kHz*
Span 8.000 MHz
Sweep ~14.0 ms (1001 pts)
Center Frequency 2.180000000 GHz
Span 8.00000000 MHz
Start Freq 2.176000000 GHz
Stop Freq 2.184000000 GHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 03, 2021 3:39:29 PM

Plot 7-643. Band Edge Emission Plot
(B66_15M+10M+10M_256QAM, Port 3)

Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corr CCorr RCal
Freq Ref: Int (S)
NFE: Adaptive
Atten: 16 dB
Preamp: Off
#PNO: Fast
Trig: Free Run
Gate: Off
#IF Gain: Low
Center Freq: 2.181500000 GHz
Avg|Hold: 500/500
Radio Std: None
Scale/Div 10.0 dB
Ref Value 46.00 dBm
Center 2.181500 GHz
#Res BW 150.00 kHz
#Video BW 620.00 kHz*
Span 8 MHz
Sweep 1.00 ms (1001 pts)
Total Channel Power -26.39 dBm / 1.00 MHz
Total Power Spectral Density -86.39 dBm/Hz
Center Frequency 2.181500000 GHz
Span 8.0000 MHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 07, 2021 10:59:06 PM

Plot 7-644. Band Edge Emission(Channel Power) Plot
(B66_15M+10M+10M_256QAM, Port 3)

- B66_20M+5M+10M_Contiguous

Channel	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Low	0	2109 to 2110	-27.028	-26.346	-26.601	-26.656	-19
	0	2108 to 2109	-40.510	-40.730	-40.020	-40.170	-19
	1	2109 to 2110	-26.768	-26.290	-26.905	-25.986	-19
	1	2108 to 2109	-40.160	-40.610	-39.900	-39.990	-19
	2	2109 to 2110	-27.774	-27.626	-27.816	-27.507	-19
	2	2108 to 2109	-41.810	-41.840	-41.980	-41.820	-19
	3	2109 to 2110	-26.403	-27.205	-27.700	-27.856	-19
	3	2108 to 2109	-41.880	-41.910	-41.840	-41.800	-19
High	0	2180 to 2181	-21.654	-21.765	-20.935	-21.272	-19
	0	2181 to 2182	-28.060	-27.460	-27.400	-27.480	-19
	1	2180 to 2181	-21.639	-21.961	-21.515	-21.513	-19
	1	2181 to 2182	-27.480	-27.490	-27.510	-27.640	-19
	2	2180 to 2181	-22.147	-21.770	-22.683	-21.962	-19
	2	2181 to 2182	-28.130	-27.410	-27.820	-27.570	-19
	3	2180 to 2181	-21.477	-21.698	-22.166	-21.888	-19
	3	2181 to 2182	-28.050	-28.190	-28.140	-28.120	-19

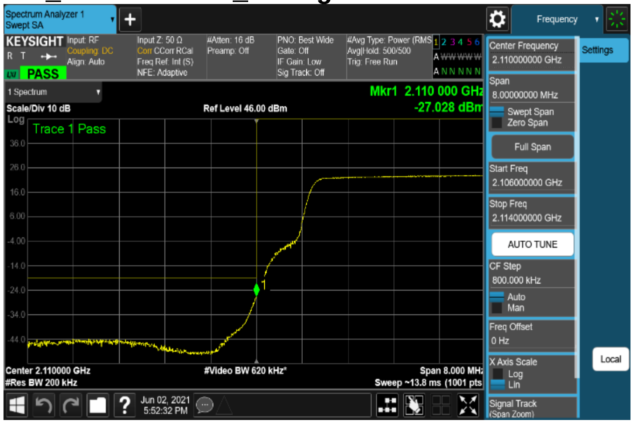
Table 7-31. Band Edge Emission Summary Data (B66_20M+5M+10M_Contiguous)

- B66_20M+5M+10M_Non-Contiguous

Edge	Port	Measured Freq. (MHz)	Max. Value (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Lower	0	2109 to 2110	-24.141	-24.022	-25.188	-24.372	-19
	0	2108 to 2109	-38.600	-39.380	-39.780	-39.490	-19
	1	2109 to 2110	-24.113	-23.684	-24.494	-24.870	-19
	1	2108 to 2109	-38.960	-39.070	-39.090	-39.230	-19
	2	2109 to 2110	-25.261	-25.404	-26.091	-25.179	-19
	2	2108 to 2109	-40.530	-40.470	-40.600	-41.210	-19
	3	2109 to 2110	-24.159	-23.533	-24.628	-25.026	-19
	3	2108 to 2109	-40.910	-40.980	-41.520	-41.240	-19
Upper	0	2180 to 2181	-21.539	-21.138	-20.631	-23.427	-19
	0	2181 to 2182	-26.280	-26.560	-26.450	-26.590	-19
	1	2180 to 2181	-20.649	-21.167	-21.398	-20.399	-19
	1	2181 to 2182	-26.290	-26.240	-26.270	-26.170	-19
	2	2180 to 2181	-20.696	-20.817	-22.472	-22.232	-19
	2	2181 to 2182	-26.760	-27.110	-26.740	-27.200	-19
	3	2180 to 2181	-21.227	-22.839	-21.303	-22.317	-19
	3	2181 to 2182	-28.630	-28.740	-27.070	-27.170	-19

Table 7-32. Band Edge Emission Summary Data (B66_20M+5M+10M_Non-Contiguous)

- B66_20M+5M+10M_Contiguous

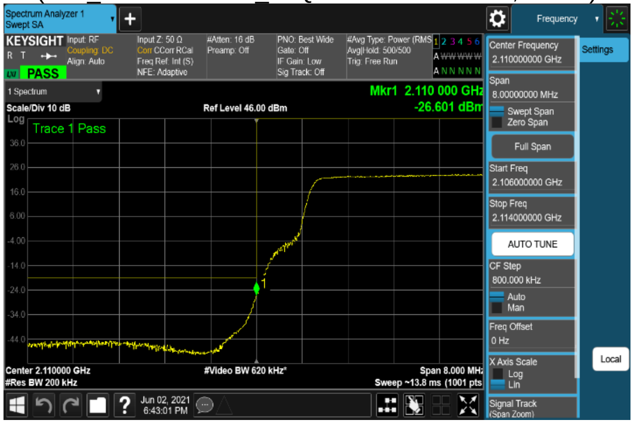


Plot 7-645. Band Edge Emission Plot (B66_20M+5M+10M_QPSK - Low Channel, Port 0)

Plot 7-646. Band Edge Emission(Channel Power) Plot (B66_20M+5M+10M_QPSK - Low Channel, Port 0)

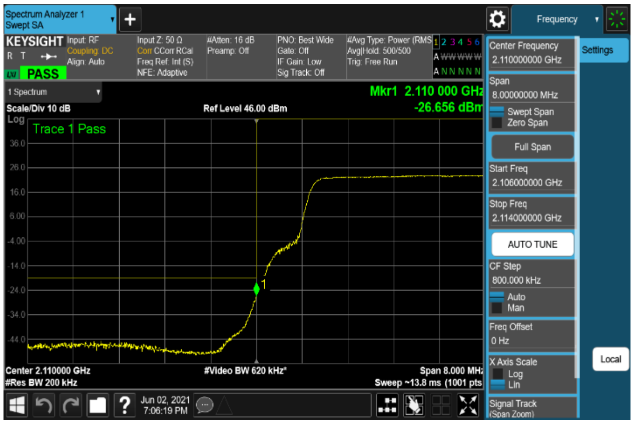
Plot 7-647. Band Edge Emission Plot (B66_20M+5M+10M_16QAM - Low Channel, Port 0)

Plot 7-648. Band Edge Emission(Channel Power) Plot (B66_20M+5M+10M_16QAM - Low Channel, Port 0)



Plot 7-649. Band Edge Emission Plot (B66_20M+5M+10M_64QAM - Low Channel, Port 0)

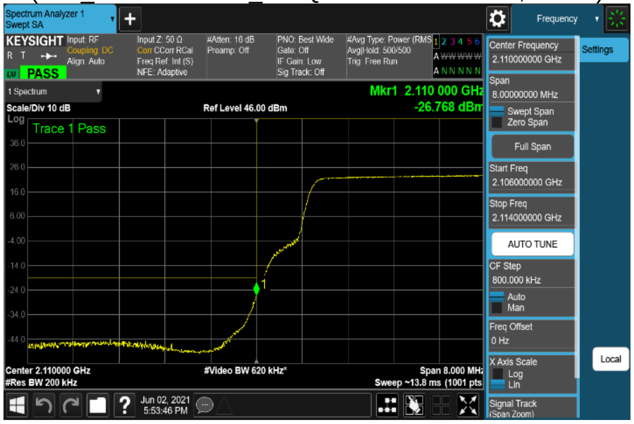
Plot 7-650. Band Edge Emission(Channel Power) Plot (B66_20M+5M+10M_64QAM - Low Channel, Port 0)


Spectrum Analyzer 1 Swept SA
PASS
Mkr1 2.110 000 GHz -26.656 dBm
Scale/Div 10 dB Ref Level 46.00 dBm
Trace 1 Pass
Center 2.110000 GHz #Res BW 200 kHz #Video BW 620 kHz* Span 8.000 MHz Sweep ~13.8 ms (1001 pts)
Center Frequency 2.110000000 GHz
Span 8.00000000 MHz
Start Freq 2.106000000 GHz
Stop Freq 2.114000000 GHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 02, 2021 7:06:19 PM

Plot 7-651. Band Edge Emission Plot
(B66_20M+5M+10M_256QAM - Low Channel, Port 0)


Spectrum Analyzer 1 Channel Power
Center Freq: 2.108500000 GHz
Scale/Div 10.0 dB Ref Value 46.00 dBm
Center 2.108500 GHz #Res BW 200.00 kHz #Video BW 820.00 kHz* Span 8 MHz Sweep 1.00 ms (1001 pts)
Total Channel Power -40.17 dBm / 1.00 MHz
Total Power Spectral Density -100.2 dBm/Hz
Center Frequency 2.108500000 GHz
Span 8.0000 MHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 08, 2021 11:55:46 AM

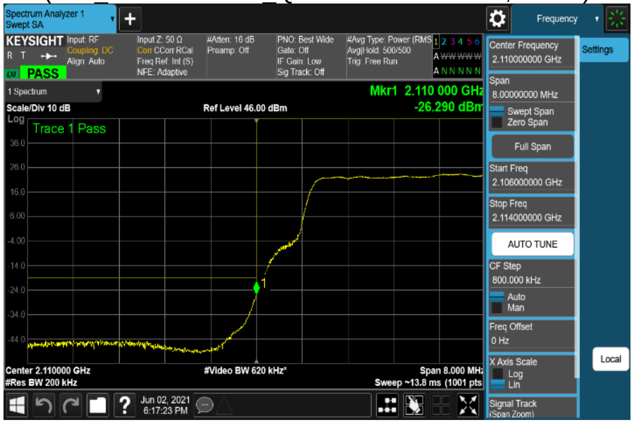
Plot 7-652. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_256QAM - Low Channel, Port 0)


Spectrum Analyzer 1 Swept SA
PASS
Mkr1 2.110 000 GHz -26.768 dBm
Scale/Div 10 dB Ref Level 46.00 dBm
Trace 1 Pass
Center 2.110000 GHz #Res BW 200 kHz #Video BW 620 kHz* Span 8.000 MHz Sweep ~13.8 ms (1001 pts)
Center Frequency 2.110000000 GHz
Span 8.00000000 MHz
Start Freq 2.106000000 GHz
Stop Freq 2.114000000 GHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 02, 2021 5:53:46 PM

Plot 7-653. Band Edge Emission Plot
(B66_20M+5M+10M_QPSK - Low Channel, Port 1)


Spectrum Analyzer 1 Channel Power
Center Freq: 2.108500000 GHz
Scale/Div 10.0 dB Ref Value 46.00 dBm
Center 2.108500 GHz #Res BW 200.00 kHz #Video BW 820.00 kHz* Span 8 MHz Sweep 1.00 ms (1001 pts)
Total Channel Power -40.16 dBm / 1.00 MHz
Total Power Spectral Density -100.2 dBm/Hz
Center Frequency 2.108500000 GHz
Span 8.0000 MHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 08, 2021 11:35:29 AM

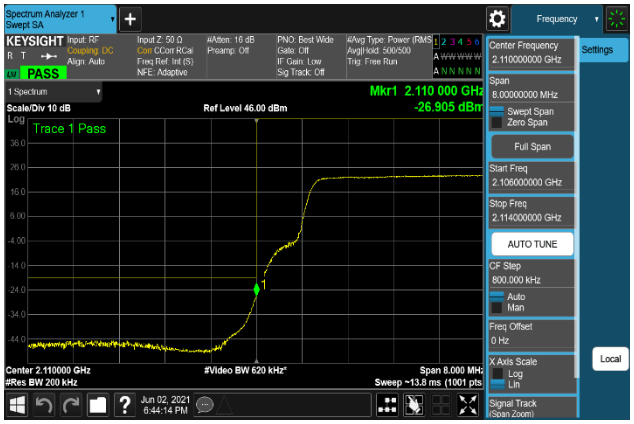
Plot 7-654. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_QPSK - Low Channel, Port 1)


Spectrum Analyzer 1 Swept SA
PASS
Mkr1 2.110 000 GHz -26.290 dBm
Scale/Div 10 dB Ref Level 46.00 dBm
Trace 1 Pass
Center 2.110000 GHz #Res BW 200 kHz #Video BW 620 kHz* Span 8.000 MHz Sweep ~13.8 ms (1001 pts)
Center Frequency 2.110000000 GHz
Span 8.00000000 MHz
Start Freq 2.106000000 GHz
Stop Freq 2.114000000 GHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 02, 2021 6:17:23 PM

Plot 7-655. Band Edge Emission Plot
(B66_20M+5M+10M_16QAM - Low Channel, Port 1)


Spectrum Analyzer 1 Channel Power
Center Freq: 2.108500000 GHz
Scale/Div 10.0 dB Ref Value 46.00 dBm
Center 2.108500 GHz #Res BW 200.00 kHz #Video BW 820.00 kHz* Span 8 MHz Sweep 1.00 ms (1001 pts)
Total Channel Power -40.61 dBm / 1.00 MHz
Total Power Spectral Density -100.6 dBm/Hz
Center Frequency 2.108500000 GHz
Span 8.0000 MHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 08, 2021 11:39:54 AM

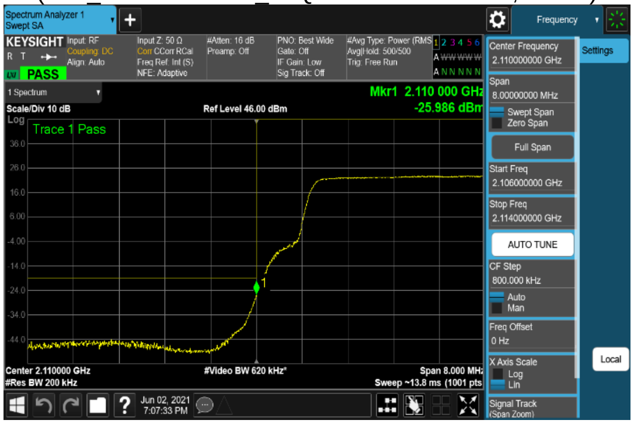
Plot 7-656. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_16QAM - Low Channel, Port 1)

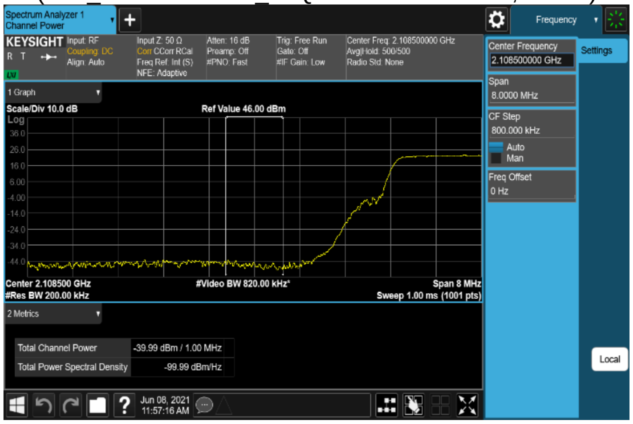

Mkr1 2.110 000 GHz -26.905 dBm


Total Channel Power -39.90 dBm / 1.00 MHz
Total Power Spectral Density -99.90 dBm/Hz

Plot 7-657. Band Edge Emission Plot
(B66_20M+5M+10M_64QAM - Low Channel, Port 1)

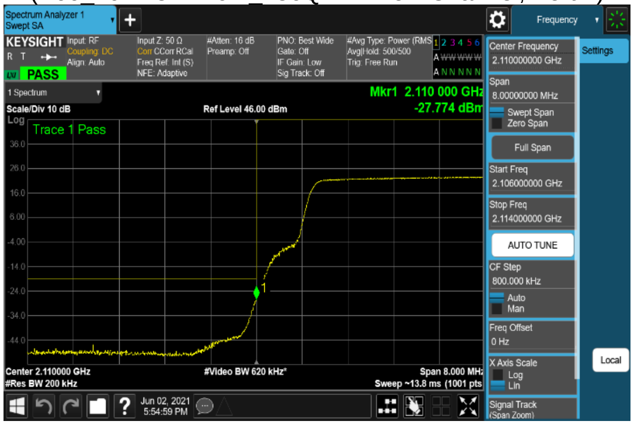
Plot 7-658. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_64QAM - Low Channel, Port 1)

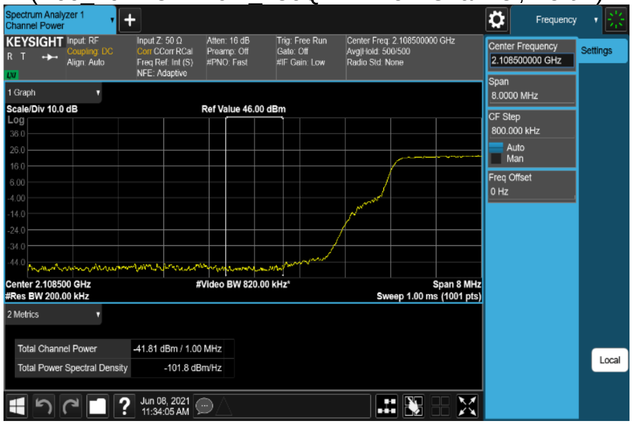

Mkr1 2.110 000 GHz -25.986 dBm


Total Channel Power -39.99 dBm / 1.00 MHz
Total Power Spectral Density -99.99 dBm/Hz

Plot 7-659. Band Edge Emission Plot
(B66_20M+5M+10M_256QAM - Low Channel, Port 1)

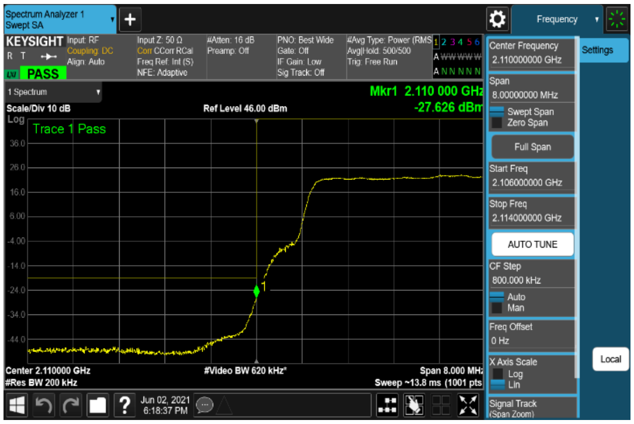
Plot 7-660. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_256QAM - Low Channel, Port 1)


Mkr1 2.110 000 GHz -27.774 dBm


Total Channel Power -41.81 dBm / 1.00 MHz
Total Power Spectral Density -101.8 dBm/Hz

Plot 7-661. Band Edge Emission Plot
(B66_20M+5M+10M_QPSK - Low Channel, Port 2)

Plot 7-662. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_QPSK - Low Channel, Port 2)

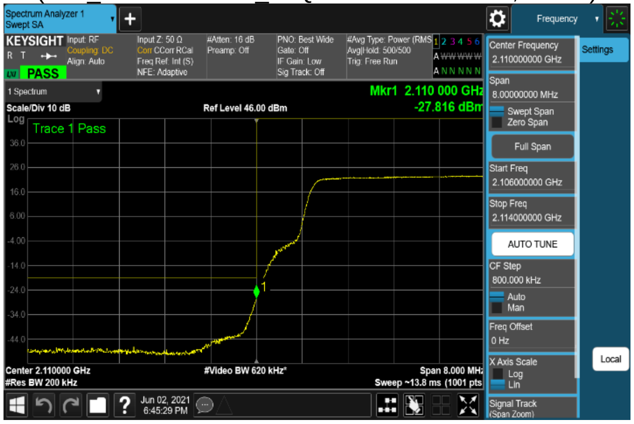


Spectrum Analyzer 1 Swept SA
KEYSIGHT
PASS
Center Frequency 2.110000000 GHz
Span 8.00000000 MHz
Start Freq 2.106000000 GHz
Stop Freq 2.114000000 GHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Mkr1 2.110 000 GHz -27.626 dBm
Scale/Div 10 dB
Ref Level 46.00 dBm
Trace 1 Pass
Center 2.110000 GHz
#Res BW 200 kHz
#Video BW 620 kHz*
Span 8.000 MHz
Sweep ~13.8 ms (1001 pts)
Jun 02, 2021 6:18:37 PM

Plot 7-663. Band Edge Emission Plot
(B66_20M+5M+10M_16QAM - Low Channel, Port 2)

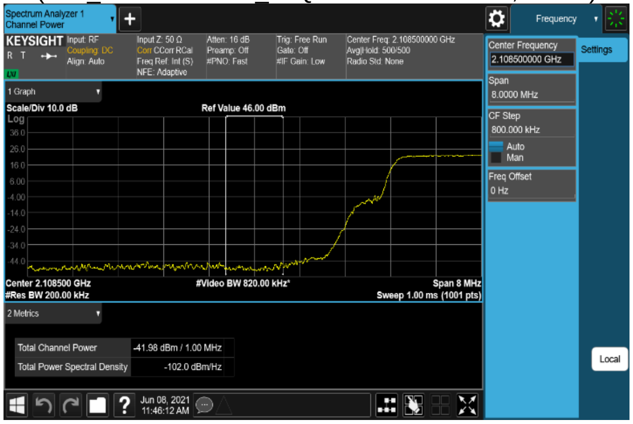
Spectrum Analyzer 1 Channel Power
KEYSIGHT
Center Freq: 2.108500000 GHz
Center Frequency 2.108500000 GHz
Span 8.0000 MHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Scale/Div 10.0 dB
Ref Value 46.00 dBm
Center 2.108500 GHz
#Res BW 200.00 kHz
#Video BW 820.00 kHz*
Span 8 MHz
Sweep 1.00 ms (1001 pts)
Total Channel Power -41.84 dBm / 1.00 MHz
Total Power Spectral Density -101.8 dBm/Hz
Jun 08, 2021 11:40:12 AM

Plot 7-664. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_16QAM - Low Channel, Port 2)



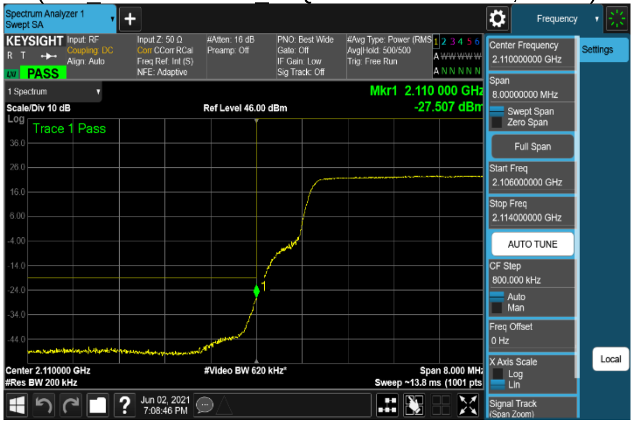
Spectrum Analyzer 1 Swept SA
KEYSIGHT
PASS
Center Frequency 2.110000000 GHz
Span 8.00000000 MHz
Start Freq 2.106000000 GHz
Stop Freq 2.114000000 GHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Mkr1 2.110 000 GHz -27.816 dBm
Scale/Div 10 dB
Ref Level 46.00 dBm
Trace 1 Pass
Center 2.110000 GHz
#Res BW 200 kHz
#Video BW 620 kHz*
Span 8.000 MHz
Sweep ~13.8 ms (1001 pts)
Jun 02, 2021 6:45:29 PM

Plot 7-665. Band Edge Emission Plot
(B66_20M+5M+10M_64QAM - Low Channel, Port 2)



Spectrum Analyzer 1 Channel Power
KEYSIGHT
Center Freq: 2.108500000 GHz
Center Frequency 2.108500000 GHz
Span 8.0000 MHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Scale/Div 10.0 dB
Ref Value 46.00 dBm
Center 2.108500 GHz
#Res BW 200.00 kHz
#Video BW 820.00 kHz*
Span 8 MHz
Sweep 1.00 ms (1001 pts)
Total Channel Power -41.98 dBm / 1.00 MHz
Total Power Spectral Density -102.0 dBm/Hz
Jun 08, 2021 11:46:12 AM

Plot 7-666. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_64QAM - Low Channel, Port 2)

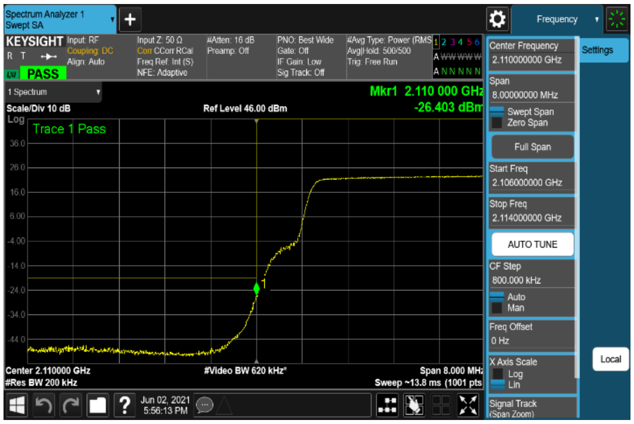


Spectrum Analyzer 1 Swept SA
KEYSIGHT
PASS
Center Frequency 2.110000000 GHz
Span 8.00000000 MHz
Start Freq 2.106000000 GHz
Stop Freq 2.114000000 GHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Mkr1 2.110 000 GHz -27.507 dBm
Scale/Div 10 dB
Ref Level 46.00 dBm
Trace 1 Pass
Center 2.110000 GHz
#Res BW 200 kHz
#Video BW 620 kHz*
Span 8.000 MHz
Sweep ~13.8 ms (1001 pts)
Jun 02, 2021 7:08:46 PM

Plot 7-667. Band Edge Emission Plot
(B66_20M+5M+10M_256QAM - Low Channel, Port 2)

Spectrum Analyzer 1 Channel Power
KEYSIGHT
Center Freq: 2.108500000 GHz
Center Frequency 2.108500000 GHz
Span 8.0000 MHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Scale/Div 10.0 dB
Ref Value 46.00 dBm
Center 2.108500 GHz
#Res BW 200.00 kHz
#Video BW 820.00 kHz*
Span 8 MHz
Sweep 1.00 ms (1001 pts)
Total Channel Power -41.82 dBm / 1.00 MHz
Total Power Spectral Density -101.8 dBm/Hz
Jun 08, 2021 11:56:24 AM

Plot 7-668. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_256QAM - Low Channel, Port 2)



Spectrum Analyzer 1 Swept SA
KEYSIGHT Input: RF, Coupling: DC, Align: Auto; Input Z: 50 Ω, Corr CCorr RCal, Freq Ref: Int (S), NFE: Adaptive; #Atten: 16 dB, Preamp: Off; PNO: Best Wide, Gate: Off, IF Gain: Low, Sig Track: Off; #Avg Type: Power (RMS), Avg|Hold: 500/500, Trig: Free Run
PASS
Mkr1 2.110 000 GHz -26.403 dBm
Scale/Div 10 dB, Ref Level 46.00 dBm
Trace 1 Pass
Center 2.110000 GHz, #Res BW 200 kHz, #Video BW 620 kHz*, Span 8.000 MHz, Sweep ~13.8 ms (1001 pts)
Center Frequency 2.110000000 GHz; Span 8.00000000 MHz; Start Freq 2.106000000 GHz; Stop Freq 2.114000000 GHz; CF Step 800.000 kHz; Freq Offset 0 Hz
Jun 02, 2021 5:56:13 PM

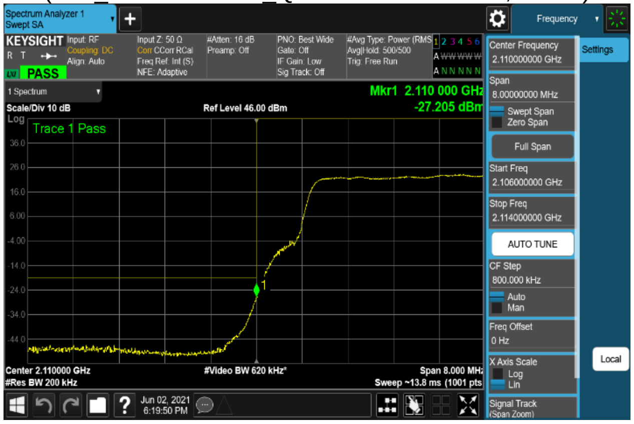
Plot 7-669. Band Edge Emission Plot
(B66_20M+5M+10M_QPSK - Low Channel, Port 3)

Spectrum Analyzer 1 Channel Power
KEYSIGHT Input: RF, Coupling: DC, Align: Auto; Input Z: 50 Ω, Corr CCorr RCal, Freq Ref: Int (S), NFE: Adaptive; Atten: 16 dB, Preamp: Off, #PNO: Fast; Trig: Free Run, Gate: Off, #IF Gain: Low; Center Freq: 2.108500000 GHz, Avg|Hold: 500/500, Radio Std: None
Scale/Div 10.0 dB, Ref Value 46.00 dBm
Center 2.108500 GHz, #Res BW 200.00 kHz, #Video BW 820.00 kHz*, Span 8 MHz, Sweep 1.00 ms (1001 pts)

Total Channel Power	-41.88 dBm / 1.00 MHz
Total Power Spectral Density	-101.9 dBm/Hz

Center Frequency 2.108500000 GHz; Span 8.0000 MHz; CF Step 800.000 kHz; Freq Offset 0 Hz
Jun 08, 2021 11:34:23 AM

Plot 7-670. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_QPSK - Low Channel, Port 3)



Spectrum Analyzer 1 Swept SA
KEYSIGHT Input: RF, Coupling: DC, Align: Auto; Input Z: 50 Ω, Corr CCorr RCal, Freq Ref: Int (S), NFE: Adaptive; #Atten: 16 dB, Preamp: Off; PNO: Best Wide, Gate: Off, IF Gain: Low, Sig Track: Off; #Avg Type: Power (RMS), Avg|Hold: 500/500, Trig: Free Run
PASS
Mkr1 2.110 000 GHz -27.205 dBm
Scale/Div 10 dB, Ref Level 46.00 dBm
Trace 1 Pass
Center 2.110000 GHz, #Res BW 200 kHz, #Video BW 620 kHz*, Span 8.000 MHz, Sweep ~13.8 ms (1001 pts)
Center Frequency 2.110000000 GHz; Span 8.00000000 MHz; Start Freq 2.106000000 GHz; Stop Freq 2.114000000 GHz; CF Step 800.000 kHz; Freq Offset 0 Hz
Jun 02, 2021 6:19:50 PM

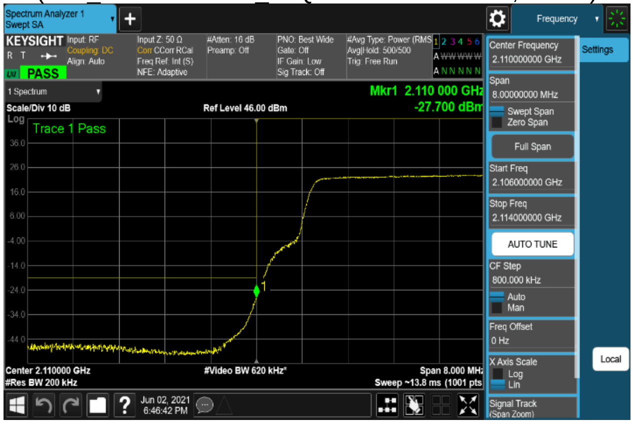
Plot 7-671. Band Edge Emission Plot
(B66_20M+5M+10M_16QAM - Low Channel, Port 3)

Spectrum Analyzer 1 Channel Power
KEYSIGHT Input: RF, Coupling: DC, Align: Auto; Input Z: 50 Ω, Corr CCorr RCal, Freq Ref: Int (S), NFE: Adaptive; Atten: 16 dB, Preamp: Off, #PNO: Fast; Trig: Free Run, Gate: Off, #IF Gain: Low; Center Freq: 2.108500000 GHz, Avg|Hold: 500/500, Radio Std: None
Scale/Div 10.0 dB, Ref Value 46.00 dBm
Center 2.108500 GHz, #Res BW 200.00 kHz, #Video BW 820.00 kHz*, Span 8 MHz, Sweep 1.00 ms (1001 pts)

Total Channel Power	-41.91 dBm / 1.00 MHz
Total Power Spectral Density	-101.9 dBm/Hz

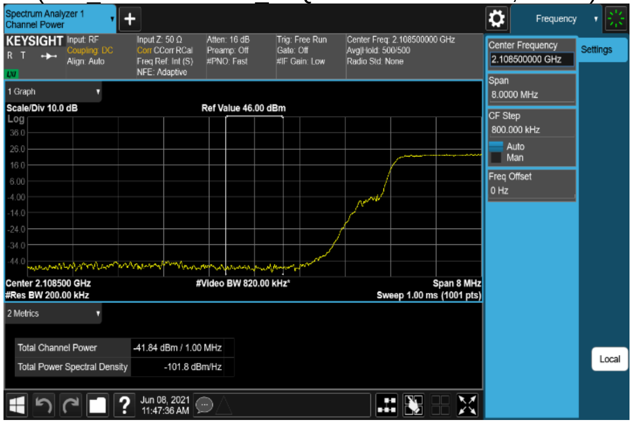
Center Frequency 2.108500000 GHz; Span 8.0000 MHz; CF Step 800.000 kHz; Freq Offset 0 Hz
Jun 08, 2021 11:41:46 AM

Plot 7-672. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_16QAM - Low Channel, Port 3)



Spectrum Analyzer 1 Swept SA
KEYSIGHT Input: RF, Coupling: DC, Align: Auto; Input Z: 50 Ω, Corr CCorr RCal, Freq Ref: Int (S), NFE: Adaptive; #Atten: 16 dB, Preamp: Off; PNO: Best Wide, Gate: Off, IF Gain: Low, Sig Track: Off; #Avg Type: Power (RMS), Avg|Hold: 500/500, Trig: Free Run
PASS
Mkr1 2.110 000 GHz -27.700 dBm
Scale/Div 10 dB, Ref Level 46.00 dBm
Trace 1 Pass
Center 2.110000 GHz, #Res BW 200 kHz, #Video BW 620 kHz*, Span 8.000 MHz, Sweep ~13.8 ms (1001 pts)
Center Frequency 2.110000000 GHz; Span 8.00000000 MHz; Start Freq 2.106000000 GHz; Stop Freq 2.114000000 GHz; CF Step 800.000 kHz; Freq Offset 0 Hz
Jun 02, 2021 6:46:42 PM

Plot 7-673. Band Edge Emission Plot
(B66_20M+5M+10M_64QAM - Low Channel, Port 3)

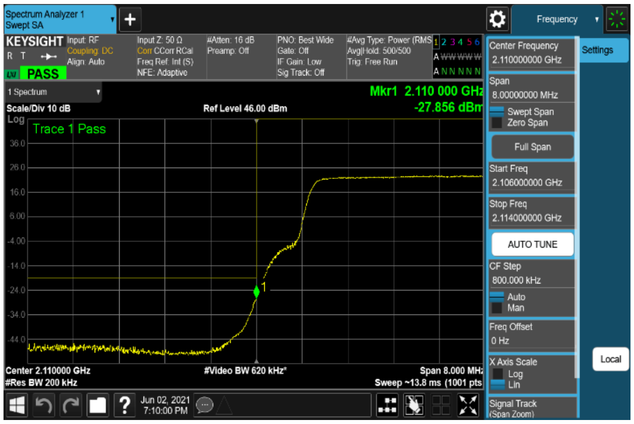


Spectrum Analyzer 1 Channel Power
KEYSIGHT Input: RF, Coupling: DC, Align: Auto; Input Z: 50 Ω, Corr CCorr RCal, Freq Ref: Int (S), NFE: Adaptive; Atten: 16 dB, Preamp: Off, #PNO: Fast; Trig: Free Run, Gate: Off, #IF Gain: Low; Center Freq: 2.108500000 GHz, Avg|Hold: 500/500, Radio Std: None
Scale/Div 10.0 dB, Ref Value 46.00 dBm
Center 2.108500 GHz, #Res BW 200.00 kHz, #Video BW 820.00 kHz*, Span 8 MHz, Sweep 1.00 ms (1001 pts)

Total Channel Power	-41.84 dBm / 1.00 MHz
Total Power Spectral Density	-101.8 dBm/Hz

Center Frequency 2.108500000 GHz; Span 8.0000 MHz; CF Step 800.000 kHz; Freq Offset 0 Hz
Jun 08, 2021 11:47:36 AM

Plot 7-674. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_64QAM - Low Channel, Port 3)



Mkr1 2.110 000 GHz -27.856 dBm

Trace 1 Pass

Center 2.110000 GHz #Res BW 200 kHz #Video BW 620 kHz* Span 8.000 MHz Sweep ~13.8 ms (1001 pts)

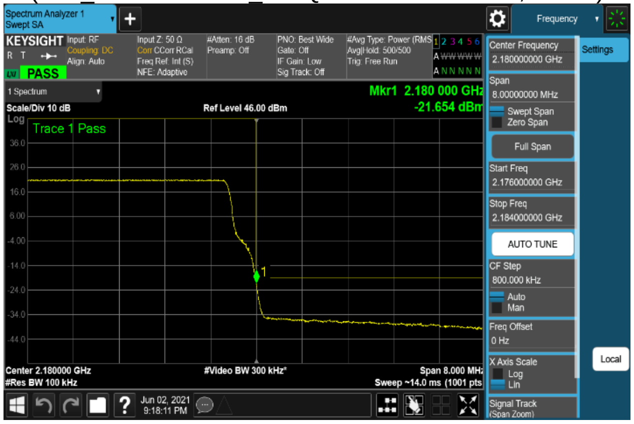
Center 2.108500 GHz #Res BW 200.00 kHz #Video BW 820.00 kHz* Span 8 MHz Sweep 1.00 ms (1001 pts)

Total Channel Power -41.80 dBm / 1.00 MHz

Total Power Spectral Density -101.8 dBm/Hz

Plot 7-675. Band Edge Emission Plot (B66_20M+5M+10M_256QAM - Low Channel, Port 3)

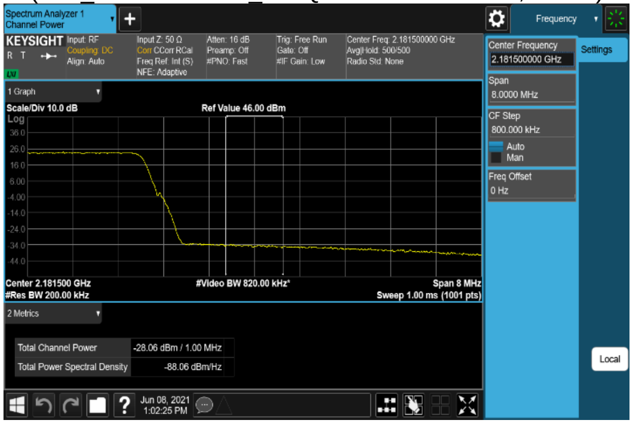
Plot 7-676. Band Edge Emission(Channel Power) Plot (B66_20M+5M+10M_256QAM - Low Channel, Port 3)



Mkr1 2.180 000 GHz -21.654 dBm

Trace 1 Pass

Center 2.180000 GHz #Res BW 100 kHz #Video BW 300 kHz* Span 8.000 MHz Sweep ~14.0 ms (1001 pts)



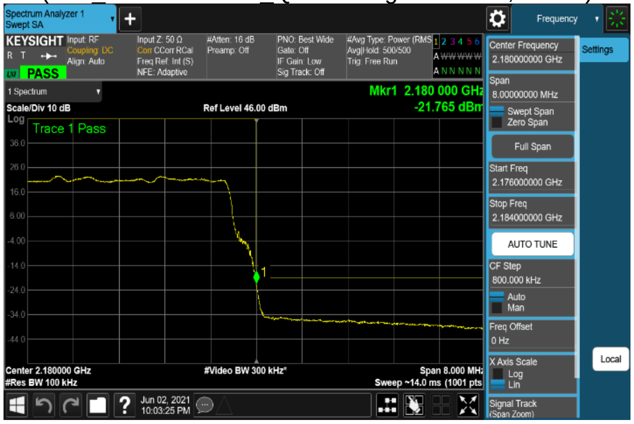
Center 2.181500 GHz #Res BW 200.00 kHz #Video BW 820.00 kHz* Span 8 MHz Sweep 1.00 ms (1001 pts)

Total Channel Power -28.06 dBm / 1.00 MHz

Total Power Spectral Density -88.06 dBm/Hz

Plot 7-677. Band Edge Emission Plot (B66_20M+5M+10M_QPSK - High Channel, Port 0)

Plot 7-678. Band Edge Emission(Channel Power) Plot (B66_20M+5M+10M_QPSK - High Channel, Port 0)



Mkr1 2.180 000 GHz -21.765 dBm

Trace 1 Pass

Center 2.180000 GHz #Res BW 100 kHz #Video BW 300 kHz* Span 8.000 MHz Sweep ~14.0 ms (1001 pts)

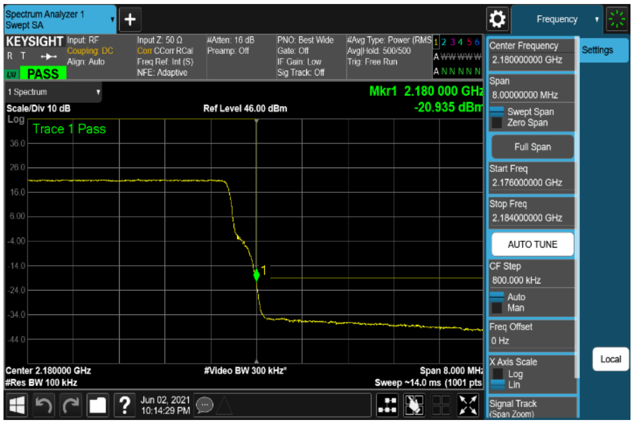
Center 2.181500 GHz #Res BW 200.00 kHz #Video BW 820.00 kHz* Span 8 MHz Sweep 1.00 ms (1001 pts)

Total Channel Power -27.46 dBm / 1.00 MHz

Total Power Spectral Density -87.46 dBm/Hz

Plot 7-679. Band Edge Emission Plot (B66_20M+5M+10M_16QAM - High Channel, Port 0)

Plot 7-680. Band Edge Emission(Channel Power) Plot (B66_20M+5M+10M_16QAM - High Channel, Port 0)



KEYSIGHT Spectrum Analyzer 1 Swept SA — PASS — Trace 1 Pass

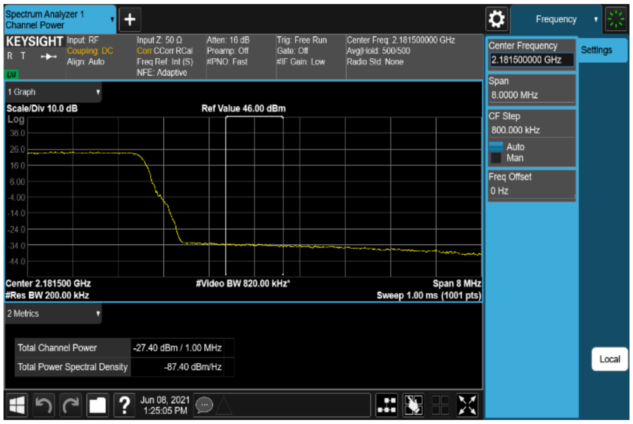
Mkr1 2.180 000 GHz -20.935 dBm

Scale/Div 10 dB, Ref Level 46.00 dBm

Center 2.180000 GHz, #Res BW 100 kHz, #Video BW 300 kHz*, Span 8.000 MHz, Sweep ~14.0 ms (1001 pts)

Jun 02, 2021 10:14:29 PM

Plot 7-681. Band Edge Emission Plot (B66_20M+5M+10M_64QAM - High Channel, Port 0)



KEYSIGHT Spectrum Analyzer 1 Channel Power

Scale/Div 10.0 dB, Ref Value 46.00 dBm

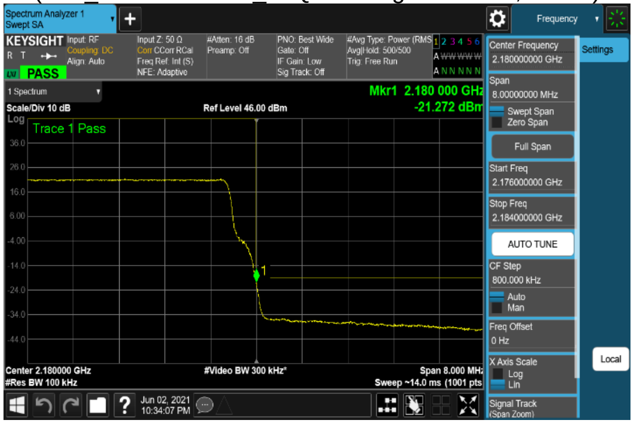
Center 2.181500 GHz, #Res BW 200.00 kHz, #Video BW 820.00 kHz*, Span 8 MHz, Sweep 1.00 ms (1001 pts)

Total Channel Power -27.40 dBm / 1.00 MHz

Total Power Spectral Density -87.40 dBm/Hz

Jun 08, 2021 1:25:05 PM

Plot 7-682. Band Edge Emission(Channel Power) Plot (B66_20M+5M+10M_64QAM - High Channel, Port 0)



KEYSIGHT Spectrum Analyzer 1 Swept SA — PASS — Trace 1 Pass

Mkr1 2.180 000 GHz -21.272 dBm

Scale/Div 10 dB, Ref Level 46.00 dBm

Center 2.180000 GHz, #Res BW 100 kHz, #Video BW 300 kHz*, Span 8.000 MHz, Sweep ~14.0 ms (1001 pts)

Jun 02, 2021 10:34:07 PM

Plot 7-683. Band Edge Emission Plot (B66_20M+5M+10M_256QAM - High Channel, Port 0)

KEYSIGHT Spectrum Analyzer 1 Channel Power

Scale/Div 10.0 dB, Ref Value 46.00 dBm

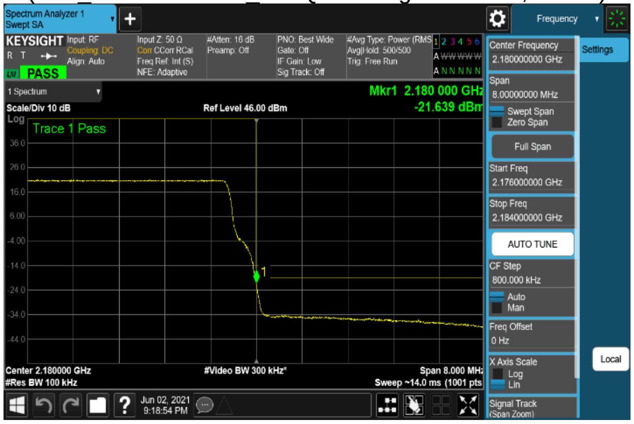
Center 2.181500 GHz, #Res BW 200.00 kHz, #Video BW 820.00 kHz*, Span 8 MHz, Sweep 1.00 ms (1001 pts)

Total Channel Power -27.48 dBm / 1.00 MHz

Total Power Spectral Density -87.48 dBm/Hz

Jun 08, 2021 1:31:38 PM

Plot 7-684. Band Edge Emission(Channel Power) Plot (B66_20M+5M+10M_256QAM - High Channel, Port 0)



KEYSIGHT Spectrum Analyzer 1 Swept SA — PASS — Trace 1 Pass

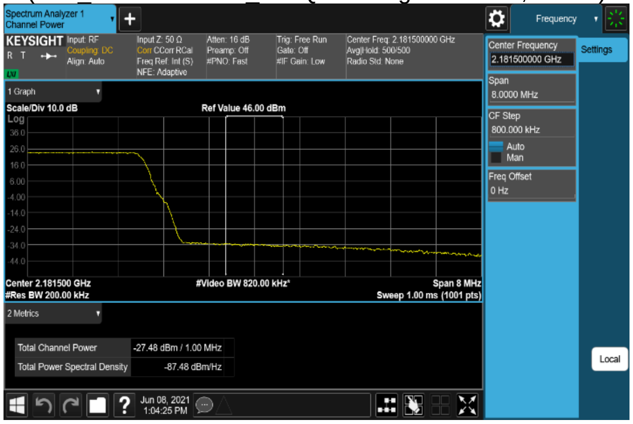
Mkr1 2.180 000 GHz -21.639 dBm

Scale/Div 10 dB, Ref Level 46.00 dBm

Center 2.180000 GHz, #Res BW 100 kHz, #Video BW 300 kHz*, Span 8.000 MHz, Sweep ~14.0 ms (1001 pts)

Jun 02, 2021 9:18:54 PM

Plot 7-685. Band Edge Emission Plot (B66_20M+5M+10M_QPSK - High Channel, Port 1)



KEYSIGHT Spectrum Analyzer 1 Channel Power

Scale/Div 10.0 dB, Ref Value 46.00 dBm

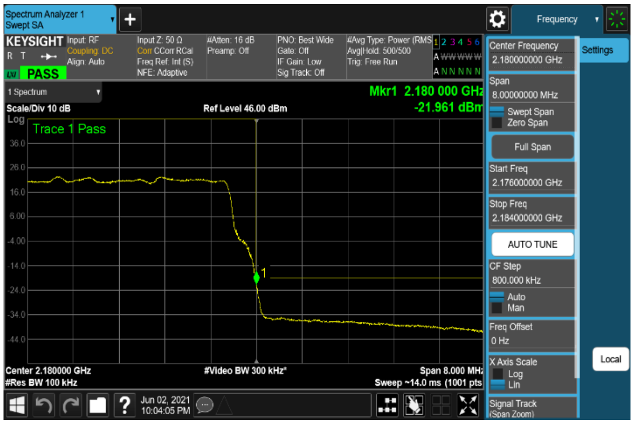
Center 2.181500 GHz, #Res BW 200.00 kHz, #Video BW 820.00 kHz*, Span 8 MHz, Sweep 1.00 ms (1001 pts)

Total Channel Power -27.48 dBm / 1.00 MHz

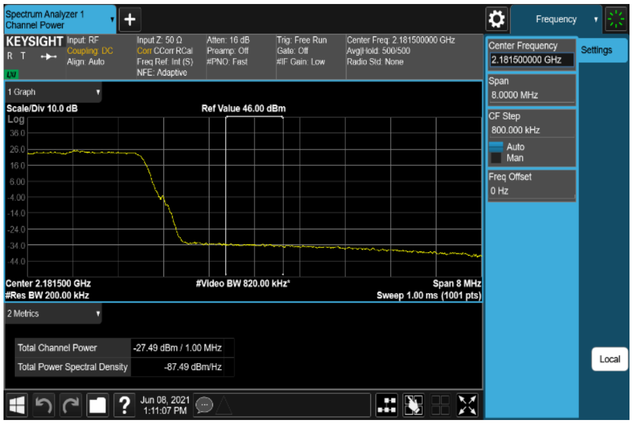
Total Power Spectral Density -87.48 dBm/Hz

Jun 08, 2021 1:04:25 PM

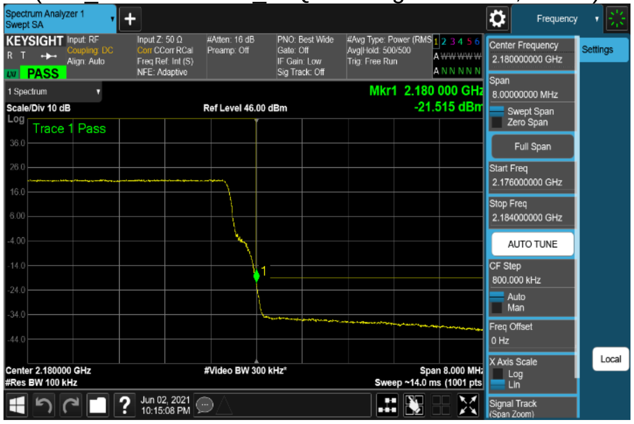
Plot 7-686. Band Edge Emission(Channel Power) Plot (B66_20M+5M+10M_QPSK - High Channel, Port 1)


Spectrum Analyzer 1 Swept SA
KEYSIGHT Input: RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive | #Atten: 16 dB Preamp: Off | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Power (RMS) Avg|Hold: 500/500 Trig: Free Run
PASS
Mkr1 2.180 000 GHz -21.961 dBm
Scale/Div 10 dB Ref Level 46.00 dBm
Trace 1 Pass
Center 2.180000 GHz #Res BW 100 kHz #Video BW 300 kHz* Span 8.000 MHz Sweep ~14.0 ms (1001 pts)
Center Frequency 2.180000000 GHz
Span 8.00000000 MHz
Start Freq 2.176000000 GHz
Stop Freq 2.184000000 GHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 02, 2021 10:04:05 PM

Plot 7-687. Band Edge Emission Plot
(B66_20M+5M+10M_16QAM - High Channel, Port 1)


Spectrum Analyzer 1 Channel Power
KEYSIGHT Input: RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive | Atten: 16 dB Preamp: Off #PNO: Fast | Trig: Free Run Gate: Off #IF Gain: Low | Center Freq: 2.181500000 GHz Avg|Hold: 500/500 Radio Std: None
Scale/Div 10.0 dB Ref Value 46.00 dBm
Center 2.181500 GHz #Res BW 200.00 kHz #Video BW 820.00 kHz* Span 8 MHz Sweep 1.00 ms (1001 pts)
Total Channel Power -27.49 dBm / 1.00 MHz
Total Power Spectral Density -87.49 dBm/Hz
Center Frequency 2.181500000 GHz
Span 8.0000 MHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 08, 2021 1:11:07 PM

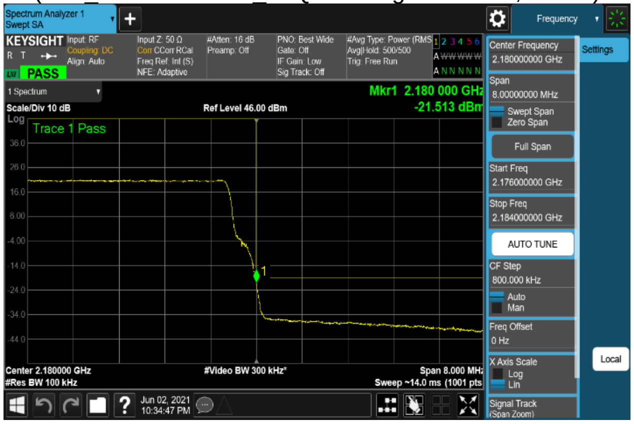
Plot 7-688. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_16QAM - High Channel, Port 1)


Spectrum Analyzer 1 Swept SA
KEYSIGHT Input: RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive | #Atten: 16 dB Preamp: Off | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Power (RMS) Avg|Hold: 500/500 Trig: Free Run
PASS
Mkr1 2.180 000 GHz -21.515 dBm
Scale/Div 10 dB Ref Level 46.00 dBm
Trace 1 Pass
Center 2.180000 GHz #Res BW 100 kHz #Video BW 300 kHz* Span 8.000 MHz Sweep ~14.0 ms (1001 pts)
Center Frequency 2.180000000 GHz
Span 8.00000000 MHz
Start Freq 2.176000000 GHz
Stop Freq 2.184000000 GHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 02, 2021 10:15:08 PM

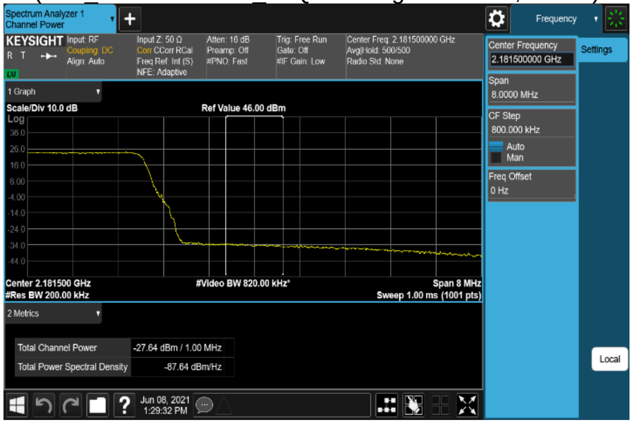
Plot 7-689. Band Edge Emission Plot
(B66_20M+5M+10M_64QAM - High Channel, Port 1)


Spectrum Analyzer 1 Channel Power
KEYSIGHT Input: RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive | Atten: 16 dB Preamp: Off #PNO: Fast | Trig: Free Run Gate: Off #IF Gain: Low | Center Freq: 2.181500000 GHz Avg|Hold: 500/500 Radio Std: None
Scale/Div 10.0 dB Ref Value 46.00 dBm
Center 2.181500 GHz #Res BW 200.00 kHz #Video BW 820.00 kHz* Span 8 MHz Sweep 1.00 ms (1001 pts)
Total Channel Power -27.51 dBm / 1.00 MHz
Total Power Spectral Density -87.51 dBm/Hz
Center Frequency 2.181500000 GHz
Span 8.0000 MHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 08, 2021 1:23:29 PM

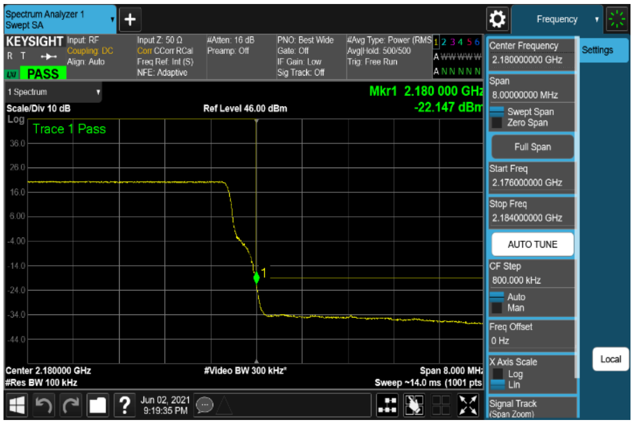
Plot 7-690. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_64QAM - High Channel, Port 1)


Spectrum Analyzer 1 Swept SA
KEYSIGHT Input: RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive | #Atten: 16 dB Preamp: Off | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Power (RMS) Avg|Hold: 500/500 Trig: Free Run
PASS
Mkr1 2.180 000 GHz -21.513 dBm
Scale/Div 10 dB Ref Level 46.00 dBm
Trace 1 Pass
Center 2.180000 GHz #Res BW 100 kHz #Video BW 300 kHz* Span 8.000 MHz Sweep ~14.0 ms (1001 pts)
Center Frequency 2.180000000 GHz
Span 8.00000000 MHz
Start Freq 2.176000000 GHz
Stop Freq 2.184000000 GHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 02, 2021 10:34:47 PM

Plot 7-691. Band Edge Emission Plot
(B66_20M+5M+10M_256QAM - High Channel, Port 1)

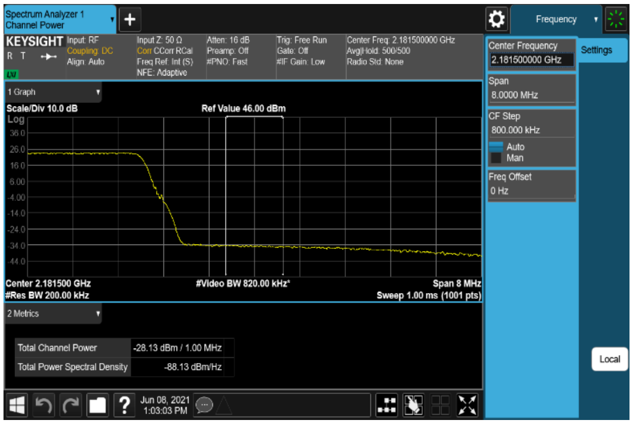

Spectrum Analyzer 1 Channel Power
KEYSIGHT Input: RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive | Atten: 16 dB Preamp: Off #PNO: Fast | Trig: Free Run Gate: Off #IF Gain: Low | Center Freq: 2.181500000 GHz Avg|Hold: 500/500 Radio Std: None
Scale/Div 10.0 dB Ref Value 46.00 dBm
Center 2.181500 GHz #Res BW 200.00 kHz #Video BW 820.00 kHz* Span 8 MHz Sweep 1.00 ms (1001 pts)
Total Channel Power -27.64 dBm / 1.00 MHz
Total Power Spectral Density -87.64 dBm/Hz
Center Frequency 2.181500000 GHz
Span 8.0000 MHz
CF Step 800.000 kHz
Freq Offset 0 Hz
Jun 08, 2021 1:29:32 PM

Plot 7-692. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_256QAM - High Channel, Port 1)



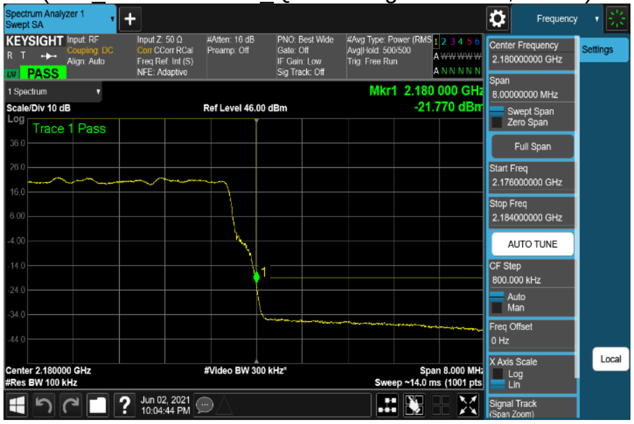
Spectrum Analyzer 1
Swept SA
KEYSIGHT Input: RF Coupling: DC Align: Auto
Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive
#Atten: 16 dB Preamp: Off
PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off
#Avg Type: Power (RMS) Avg|Hold: 500/500 Trig: Free Run
PASS
1 Spectrum
Scale/Div 10 dB
Ref Level 46.00 dBm
Mkr1 2.180 000 GHz
-22.147 dBm
Trace 1 Pass
Center 2.180000 GHz
#Res BW 100 kHz
#Video BW 300 kHz*
Span 8.000 MHz
Sweep ~14.0 ms (1001 pts)
Jun 02, 2021
9:19:35 PM
Center Frequency 2.180000000 GHz
Span 8.00000000 MHz
Start Freq 2.176000000 GHz
Stop Freq 2.184000000 GHz
CF Step 800.000 kHz
Freq Offset 0 Hz

Plot 7-693. Band Edge Emission Plot
(B66_20M+5M+10M_QPSK - High Channel, Port 2)



Spectrum Analyzer 1
Channel Power
KEYSIGHT Input: RF Coupling: DC Align: Auto
Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive
Atten: 16 dB Preamp: Off #PNO: Fast
Trig: Free Run Gate: Off #IF Gain: Low
Center Freq: 2.181500000 GHz Avg|Hold: 500/500 Radio Std: None
1 Graph
Scale/Div 10.0 dB
Ref Value 46.00 dBm
Center 2.181500 GHz
#Res BW 200.00 kHz
#Video BW 820.00 kHz*
Span 8 MHz
Sweep 1.00 ms (1001 pts)
2 Metrics
Total Channel Power -28.13 dBm / 1.00 MHz
Total Power Spectral Density -88.13 dBm/Hz
Jun 08, 2021
1:03:03 PM
Center Frequency 2.181500000 GHz
Span 8.0000 MHz
CF Step 800.000 kHz
Freq Offset 0 Hz

Plot 7-694. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_QPSK - High Channel, Port 2)

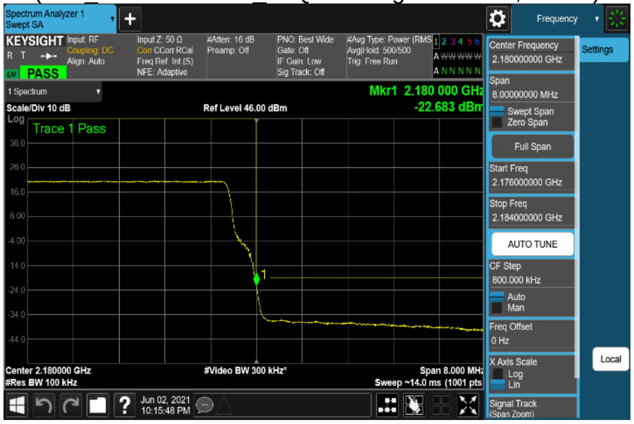


Spectrum Analyzer 1
Swept SA
KEYSIGHT Input: RF Coupling: DC Align: Auto
Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive
#Atten: 16 dB Preamp: Off
PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off
#Avg Type: Power (RMS) Avg|Hold: 500/500 Trig: Free Run
PASS
1 Spectrum
Scale/Div 10 dB
Ref Level 46.00 dBm
Mkr1 2.180 000 GHz
-21.770 dBm
Trace 1 Pass
Center 2.180000 GHz
#Res BW 100 kHz
#Video BW 300 kHz*
Span 8.000 MHz
Sweep ~14.0 ms (1001 pts)
Jun 02, 2021
10:04:44 PM
Center Frequency 2.180000000 GHz
Span 8.00000000 MHz
Start Freq 2.176000000 GHz
Stop Freq 2.184000000 GHz
CF Step 800.000 kHz
Freq Offset 0 Hz

Plot 7-695. Band Edge Emission Plot
(B66_20M+5M+10M_16QAM - High Channel, Port 2)

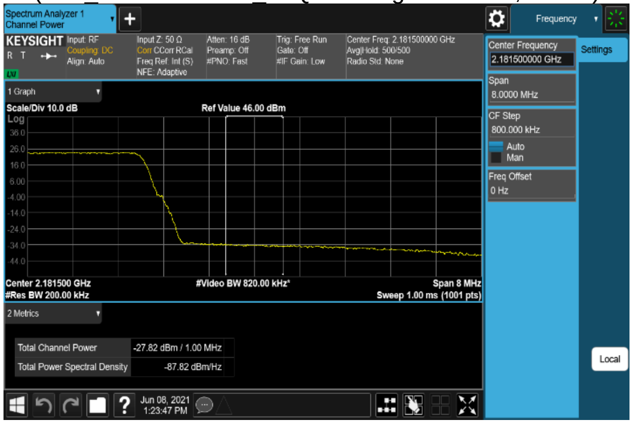
Spectrum Analyzer 1
Channel Power
KEYSIGHT Input: RF Coupling: DC Align: Auto
Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive
Atten: 16 dB Preamp: Off #PNO: Fast
Trig: Free Run Gate: Off #IF Gain: Low
Center Freq: 2.181500000 GHz Avg|Hold: 500/500 Radio Std: None
1 Graph
Scale/Div 10.0 dB
Ref Value 46.00 dBm
Center 2.181500 GHz
#Res BW 200.00 kHz
#Video BW 820.00 kHz*
Span 8 MHz
Sweep 1.00 ms (1001 pts)
2 Metrics
Total Channel Power -27.41 dBm / 1.00 MHz
Total Power Spectral Density -87.41 dBm/Hz
Jun 08, 2021
1:18:51 PM
Center Frequency 2.181500000 GHz
Span 8.0000 MHz
CF Step 800.000 kHz
Freq Offset 0 Hz

Plot 7-696. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_16QAM - High Channel, Port 2)



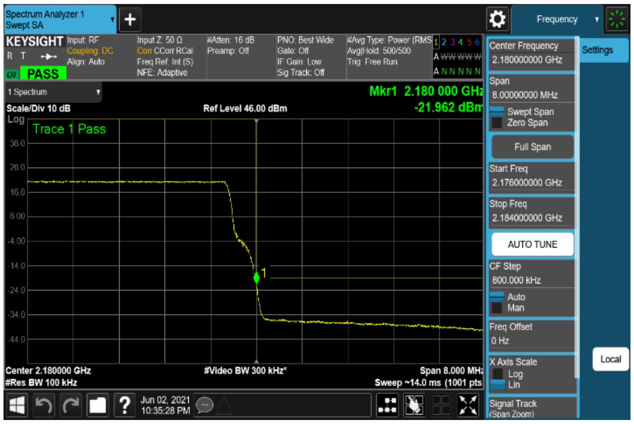
Spectrum Analyzer 1
Swept SA
KEYSIGHT Input: RF Coupling: DC Align: Auto
Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive
#Atten: 16 dB Preamp: Off
PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off
#Avg Type: Power (RMS) Avg|Hold: 500/500 Trig: Free Run
PASS
1 Spectrum
Scale/Div 10 dB
Ref Level 46.00 dBm
Mkr1 2.180 000 GHz
-22.683 dBm
Trace 1 Pass
Center 2.180000 GHz
#Res BW 100 kHz
#Video BW 300 kHz*
Span 8.000 MHz
Sweep ~14.0 ms (1001 pts)
Jun 02, 2021
10:15:48 PM
Center Frequency 2.180000000 GHz
Span 8.00000000 MHz
Start Freq 2.176000000 GHz
Stop Freq 2.184000000 GHz
CF Step 800.000 kHz
Freq Offset 0 Hz

Plot 7-697. Band Edge Emission Plot
(B66_20M+5M+10M_64QAM - High Channel, Port 2)

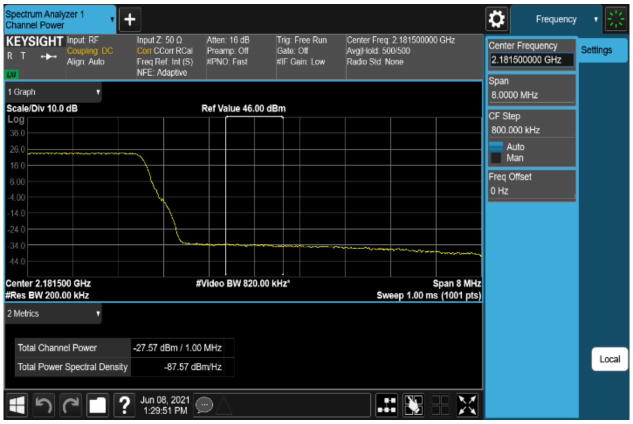


Spectrum Analyzer 1
Channel Power
KEYSIGHT Input: RF Coupling: DC Align: Auto
Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive
Atten: 16 dB Preamp: Off #PNO: Fast
Trig: Free Run Gate: Off #IF Gain: Low
Center Freq: 2.181500000 GHz Avg|Hold: 500/500 Radio Std: None
1 Graph
Scale/Div 10.0 dB
Ref Value 46.00 dBm
Center 2.181500 GHz
#Res BW 200.00 kHz
#Video BW 820.00 kHz*
Span 8 MHz
Sweep 1.00 ms (1001 pts)
2 Metrics
Total Channel Power -27.82 dBm / 1.00 MHz
Total Power Spectral Density -87.82 dBm/Hz
Jun 08, 2021
1:23:47 PM
Center Frequency 2.181500000 GHz
Span 8.0000 MHz
CF Step 800.000 kHz
Freq Offset 0 Hz

Plot 7-698. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_64QAM - High Channel, Port 2)


Mkr1 2.180 000 GHz -21.962 dBm
Trace 1 Pass
Center 2.180000 GHz
#Res BW 100 kHz
#Video BW 300 kHz*
Span 8.000 MHz
Sweep ~14.0 ms (1001 pts)
Jun 02, 2021 10:35:28 PM

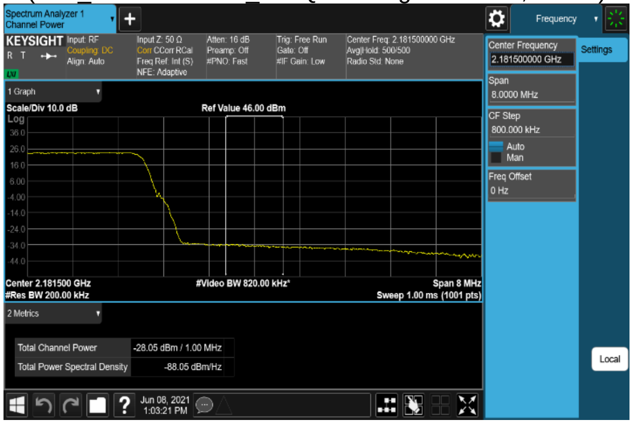
Plot 7-699. Band Edge Emission Plot
(B66_20M+5M+10M_256QAM - High Channel, Port 2)


Center 2.181500 GHz
#Res BW 200.00 kHz
#Video BW 820.00 kHz*
Span 8 MHz
Sweep 1.00 ms (1001 pts)
Total Channel Power -27.57 dBm / 1.00 MHz
Total Power Spectral Density -87.57 dBm/Hz
Jun 08, 2021 1:29:51 PM

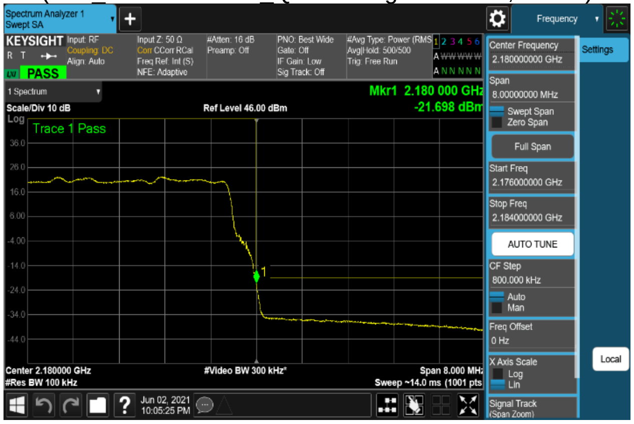
Plot 7-700. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_256QAM - High Channel, Port 2)


Mkr1 2.180 000 GHz -21.477 dBm
Trace 1 Pass
Center 2.180000 GHz
#Res BW 100 kHz
#Video BW 300 kHz*
Span 8.000 MHz
Sweep ~14.0 ms (1001 pts)
Jun 02, 2021 9:20:15 PM

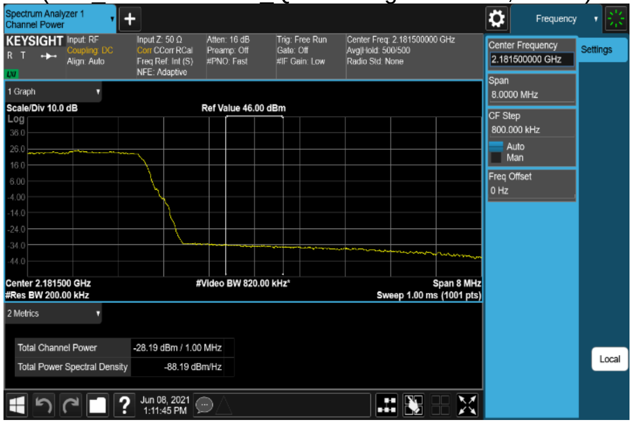
Plot 7-701. Band Edge Emission Plot
(B66_20M+5M+10M_QPSK - High Channel, Port 3)


Center 2.181500 GHz
#Res BW 200.00 kHz
#Video BW 820.00 kHz*
Span 8 MHz
Sweep 1.00 ms (1001 pts)
Total Channel Power -28.05 dBm / 1.00 MHz
Total Power Spectral Density -88.05 dBm/Hz
Jun 08, 2021 1:03:21 PM

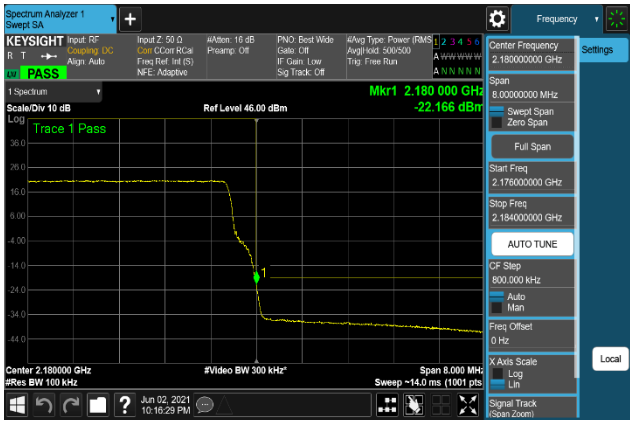
Plot 7-702. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_QPSK - High Channel, Port 3)


Mkr1 2.180 000 GHz -21.698 dBm
Trace 1 Pass
Center 2.180000 GHz
#Res BW 100 kHz
#Video BW 300 kHz*
Span 8.000 MHz
Sweep ~14.0 ms (1001 pts)
Jun 02, 2021 10:05:25 PM

Plot 7-703. Band Edge Emission Plot
(B66_20M+5M+10M_16QAM - High Channel, Port 3)


Center 2.181500 GHz
#Res BW 200.00 kHz
#Video BW 820.00 kHz*
Span 8 MHz
Sweep 1.00 ms (1001 pts)
Total Channel Power -28.19 dBm / 1.00 MHz
Total Power Spectral Density -88.19 dBm/Hz
Jun 08, 2021 1:11:45 PM

Plot 7-704. Band Edge Emission(Channel Power) Plot
(B66_20M+5M+10M_16QAM - High Channel, Port 3)



Spectrum Analyzer 1 Swept SA

KEYSIGHT Input: RF, Coupling: DC, Align: Auto; Input Z: 50 Ω, Corr CCorr RCal, Freq Ref: Int (S), NFE: Adaptive; #Atten: 16 dB, Preamp: Off; PNO: Best Wide, Gate: Off, IF Gain: Low, Sig Track: Off; #Avg Type: Power (RMS), Avg|Hold: 500/500, Trig: Free Run

PASS

Mkr1 2.180 000 GHz -22.166 dBm

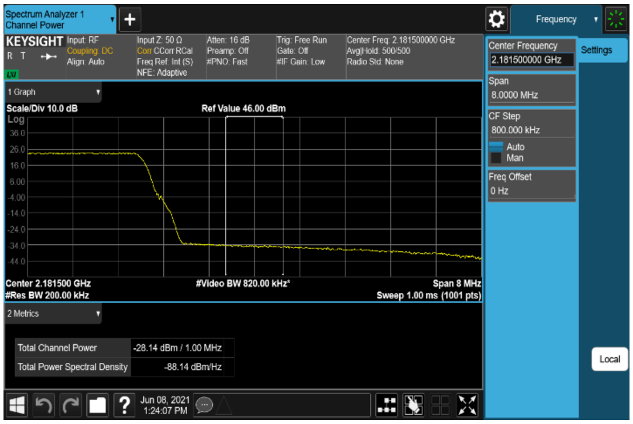
Scale/Div 10 dB, Ref Level 46.00 dBm, Trace 1 Pass

Center 2.180000 GHz, #Res BW 100 kHz, #Video BW 300 kHz*, Span 8.000 MHz, Sweep ~14.0 ms (1001 pts)

Center Frequency 2.180000000 GHz; Span 8.00000000 MHz; Start Freq 2.176000000 GHz; Stop Freq 2.184000000 GHz; CF Step 800.000 kHz; Freq Offset 0 Hz

Jun 02, 2021 10:16:29 PM

Plot 7-705. Band Edge Emission Plot (B66_20M+5M+10M_64QAM - High Channel, Port 3)



Spectrum Analyzer 1 Channel Power

KEYSIGHT Input: RF, Coupling: DC, Align: Auto; Input Z: 50 Ω, Corr CCorr RCal, Freq Ref: Int (S), NFE: Adaptive; Atten: 16 dB, Preamp: Off, #PNO: Fast; Trig: Free Run, Gate: Off, #IF Gain: Low; Center Freq: 2.181500000 GHz, Avg|Hold: 500/500, Radio Std: None

Scale/Div 10.0 dB, Ref Value 46.00 dBm

Center 2.181500 GHz, #Res BW 200.00 kHz, #Video BW 820.00 kHz*, Span 8 MHz, Sweep 1.00 ms (1001 pts)

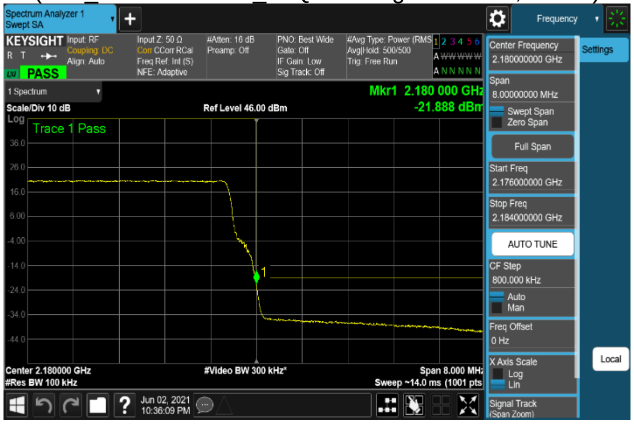
Total Channel Power -28.14 dBm / 1.00 MHz

Total Power Spectral Density -88.14 dBm/Hz

Center Frequency 2.181500000 GHz; Span 8.0000 MHz; CF Step 800.000 kHz; Freq Offset 0 Hz

Jun 08, 2021 1:24:07 PM

Plot 7-706. Band Edge Emission(Channel Power) Plot (B66_20M+5M+10M_64QAM - High Channel, Port 3)



Spectrum Analyzer 1 Swept SA

KEYSIGHT Input: RF, Coupling: DC, Align: Auto; Input Z: 50 Ω, Corr CCorr RCal, Freq Ref: Int (S), NFE: Adaptive; #Atten: 16 dB, Preamp: Off; PNO: Best Wide, Gate: Off, IF Gain: Low, Sig Track: Off; #Avg Type: Power (RMS), Avg|Hold: 500/500, Trig: Free Run

PASS

Mkr1 2.180 000 GHz -21.888 dBm

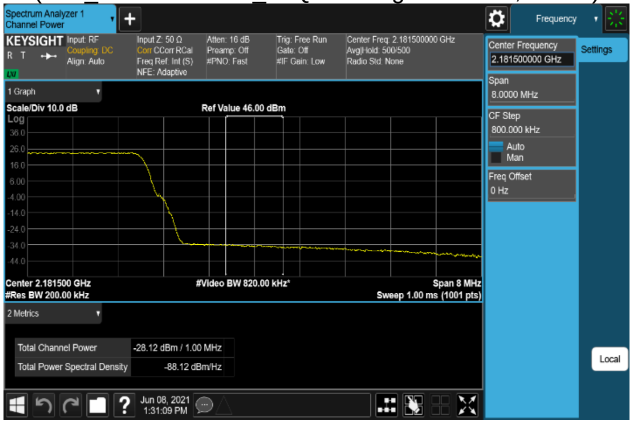
Scale/Div 10 dB, Ref Level 46.00 dBm, Trace 1 Pass

Center 2.180000 GHz, #Res BW 100 kHz, #Video BW 300 kHz*, Span 8.000 MHz, Sweep ~14.0 ms (1001 pts)

Center Frequency 2.180000000 GHz; Span 8.00000000 MHz; Start Freq 2.176000000 GHz; Stop Freq 2.184000000 GHz; CF Step 800.000 kHz; Freq Offset 0 Hz

Jun 02, 2021 10:36:09 PM

Plot 7-707. Band Edge Emission Plot (B66_20M+5M+10M_256QAM - High Channel, Port 3)



Spectrum Analyzer 1 Channel Power

KEYSIGHT Input: RF, Coupling: DC, Align: Auto; Input Z: 50 Ω, Corr CCorr RCal, Freq Ref: Int (S), NFE: Adaptive; Atten: 16 dB, Preamp: Off, #PNO: Fast; Trig: Free Run, Gate: Off, #IF Gain: Low; Center Freq: 2.181500000 GHz, Avg|Hold: 500/500, Radio Std: None

Scale/Div 10.0 dB, Ref Value 46.00 dBm

Center 2.181500 GHz, #Res BW 200.00 kHz, #Video BW 820.00 kHz*, Span 8 MHz, Sweep 1.00 ms (1001 pts)

Total Channel Power -28.12 dBm / 1.00 MHz

Total Power Spectral Density -88.12 dBm/Hz

Center Frequency 2.181500000 GHz; Span 8.0000 MHz; CF Step 800.000 kHz; Freq Offset 0 Hz

Jun 08, 2021 1:31:09 PM

Plot 7-708. Band Edge Emission(Channel Power) Plot (B66_20M+5M+10M_256QAM - High Channel, Port 3)