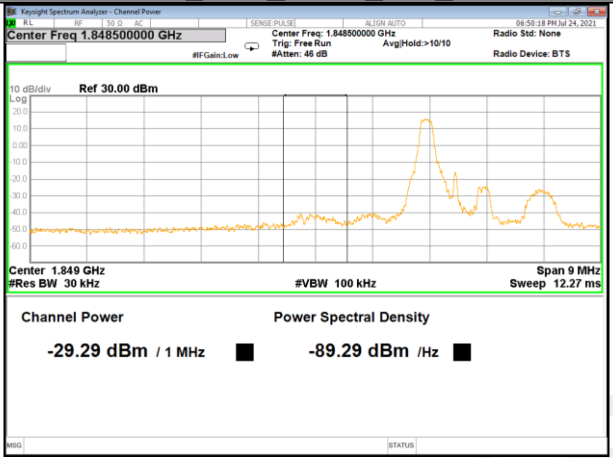
Band edge

LTE BAND-2

LTE BAND-2

Band 2_1.4M_QPSK_Low_1-RB


Keysight Spectrum Analyzer - Channel Power

RL RF 50 Ω AC SENSE:PULSE ALIGN AUTO 06:50:18 PM Jul 24, 2021

Center Freq 1.848500000 GHz

Center Freq: 1.848500000 GHz
Trig: Free Run Avg|Hold:>10/10
#IFGain:Low #Atten: 46 dB

Radio Std: None
Radio Device: BTS

10 dB/div Ref 30.00 dBm

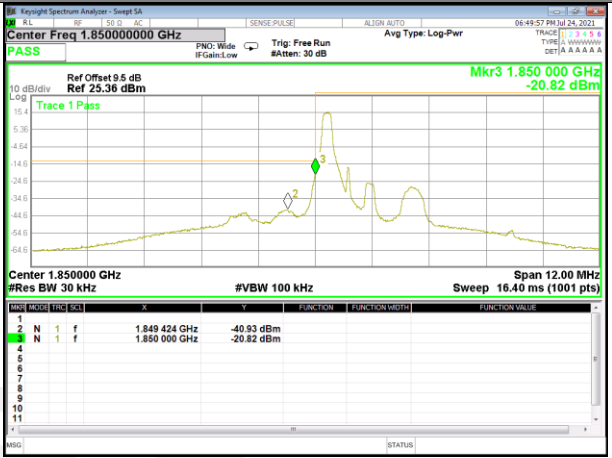
Center 1.849 GHz Span 9 MHz
#Res BW 30 kHz #VBW 100 kHz Sweep 12.27 ms

Channel Power: -29.29 dBm / 1 MHz

Power Spectral Density: -89.29 dBm /Hz

Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
MSG
STATUS

Band 2_1.4M_QPSK_Low_1-RB


Keysight Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:PULSE ALIGN AUTO 06:49:57 PM Jul 24, 2021

Center Freq 1.850000000 GHz

PASS

PNO: Wide IFGain:Low Trig: Free Run #Atten: 30 dB

Avg Type: Log-Pwr

Ref Offset 9.5 dB
10 dB/div Ref 25.36 dBm

Mkr3 1.850 000 GHz -20.82 dBm

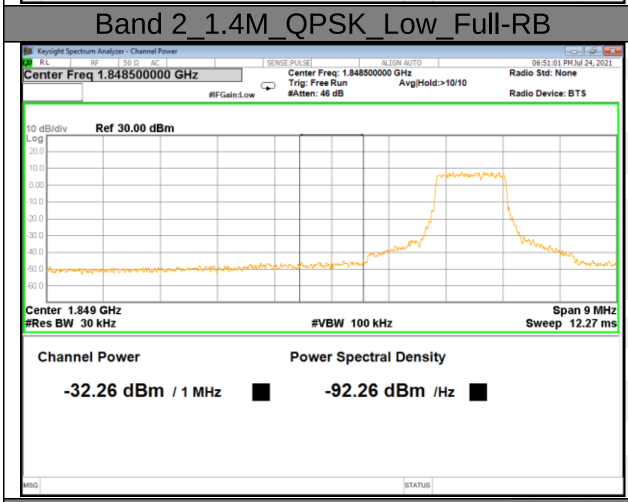
Trace 1 Pass

Center 1.850000 GHz Span 12.00 MHz
#Res BW 30 kHz #VBW 100 kHz Sweep 16.40 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1								
2	N	1	f	1.849 424 GHz	-40.93 dBm			
3	N	1	f	1.850 000 GHz	-20.82 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A A A A A A
Log
15.4
5.36
-4.64
-14.6
-24.6
-34.6
-44.6
-54.6
-64.6
2
3
MSG
STATUS

Band 2_1.4M_QPSK_Low_Full-RB


Keysight Spectrum Analyzer - Channel Power

RL RF 50 Ω AC SENSE:PULSE ALIGN AUTO 06:51:01 PM Jul 24, 2021

Center Freq 1.848500000 GHz

Center Freq: 1.848500000 GHz
Trig: Free Run Avg|Hold:>10/10
#IFGain:Low #Atten: 46 dB

Radio Std: None
Radio Device: BTS

10 dB/div Ref 30.00 dBm

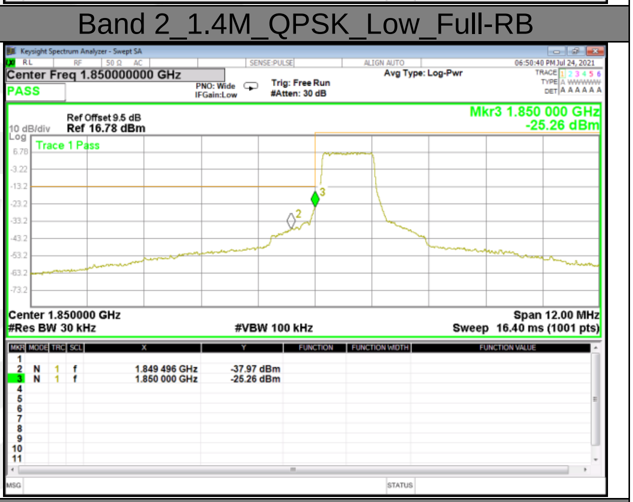
Center 1.849 GHz Span 9 MHz
#Res BW 30 kHz #VBW 100 kHz Sweep 12.27 ms

Channel Power: -32.26 dBm / 1 MHz

Power Spectral Density: -92.26 dBm /Hz

Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
MSG
STATUS

Band 2_1.4M_QPSK_Low_Full-RB


Keysight Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:PULSE ALIGN AUTO 06:50:40 PM Jul 24, 2021

Center Freq 1.850000000 GHz

PASS

PNO: Wide IFGain:Low Trig: Free Run #Atten: 30 dB

Avg Type: Log-Pwr

Ref Offset 9.5 dB
10 dB/div Ref 16.78 dBm

Mkr3 1.850 000 GHz -25.26 dBm

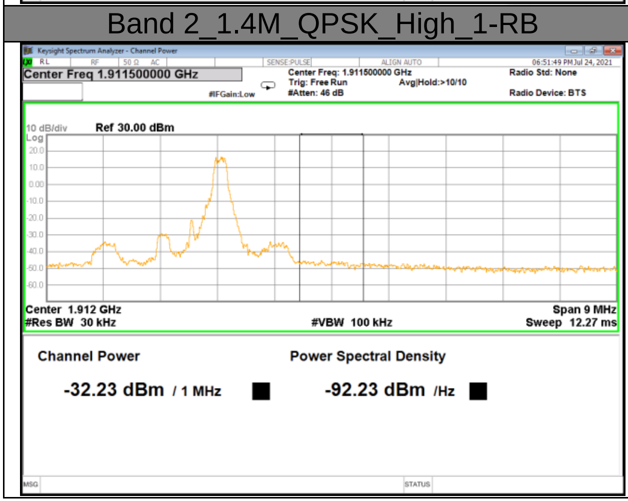
Trace 1 Pass

Center 1.850000 GHz Span 12.00 MHz
#Res BW 30 kHz #VBW 100 kHz Sweep 16.40 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1								
2	N	1	f	1.849 496 GHz	-37.97 dBm			
3	N	1	f	1.850 000 GHz	-25.26 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A A A A A A
Log
6.78
-3.22
-13.2
-23.2
-33.2
-43.2
-53.2
-63.2
-73.2
2
3
MSG
STATUS

Band 2_1.4M_QPSK_High_1-RB


Keysight Spectrum Analyzer - Channel Power

RL RF 50 Ω AC SENSE:PULSE ALIGN AUTO 06:51:49 PM Jul 24, 2021

Center Freq 1.911500000 GHz

Center Freq: 1.911500000 GHz
Trig: Free Run Avg|Hold:>10/10
#IFGain:Low #Atten: 46 dB

Radio Std: None
Radio Device: BTS

10 dB/div Ref 30.00 dBm

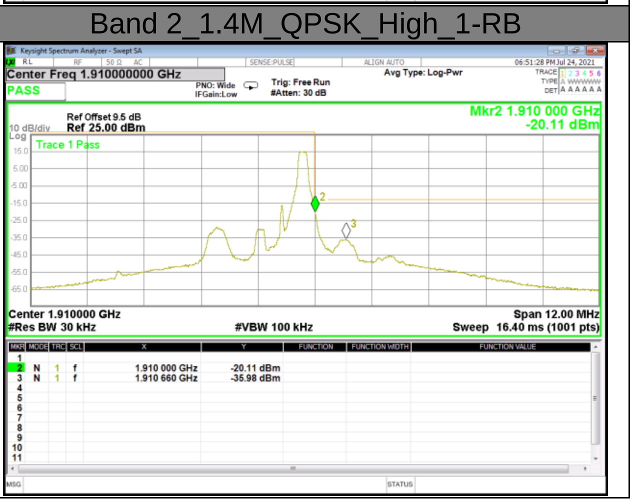
Center 1.912 GHz Span 9 MHz
#Res BW 30 kHz #VBW 100 kHz Sweep 12.27 ms

Channel Power: -32.23 dBm / 1 MHz

Power Spectral Density: -92.23 dBm /Hz

Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
MSG
STATUS

Band 2_1.4M_QPSK_High_1-RB


Keysight Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:PULSE ALIGN AUTO 06:51:28 PM Jul 24, 2021

Center Freq 1.910000000 GHz

PASS

PNO: Wide IFGain:Low Trig: Free Run #Atten: 30 dB

Avg Type: Log-Pwr

Ref Offset 9.5 dB
10 dB/div Ref 25.00 dBm

Mkr2 1.910 000 GHz -20.11 dBm

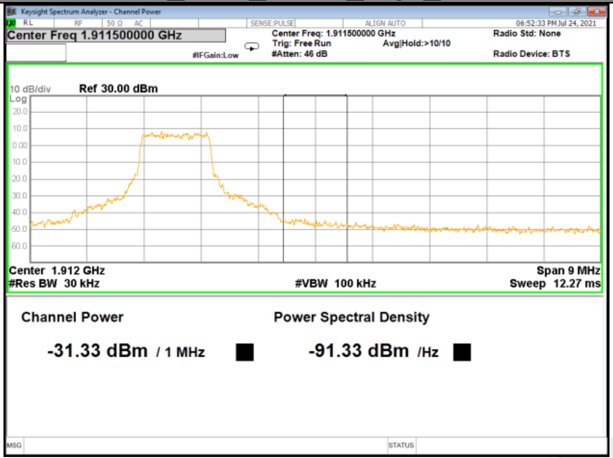
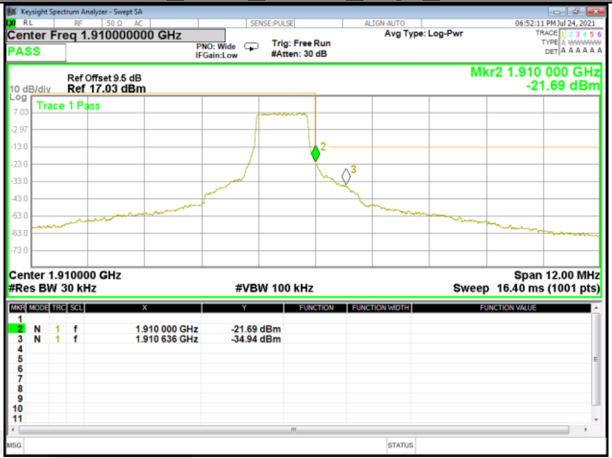
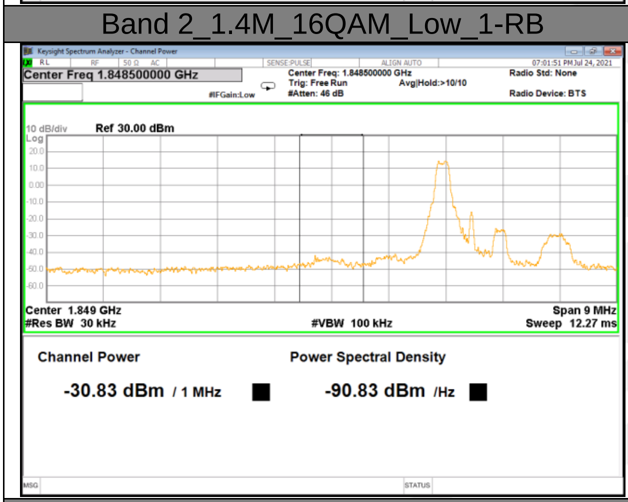
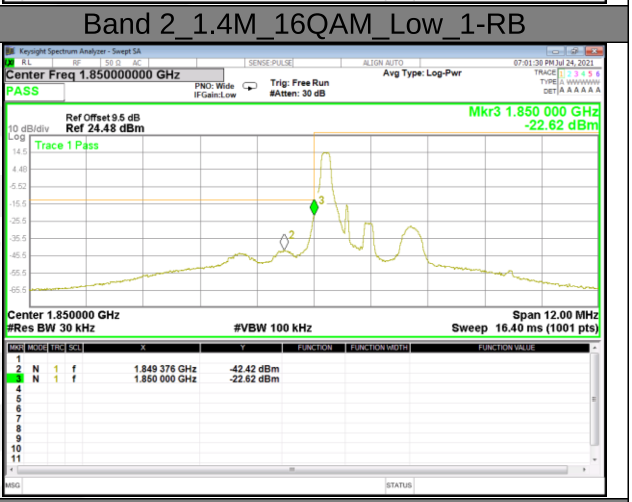
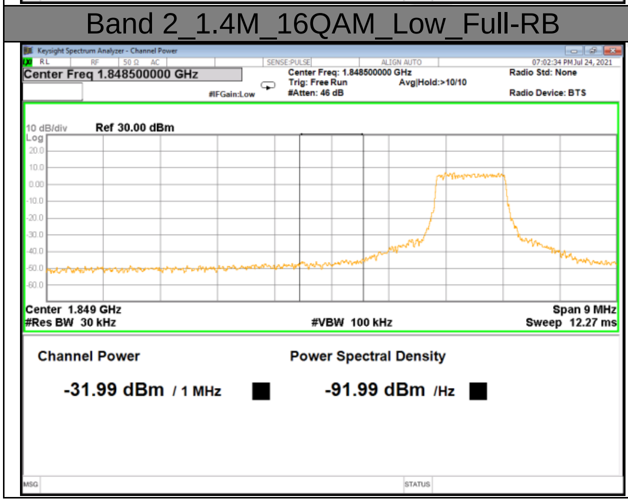
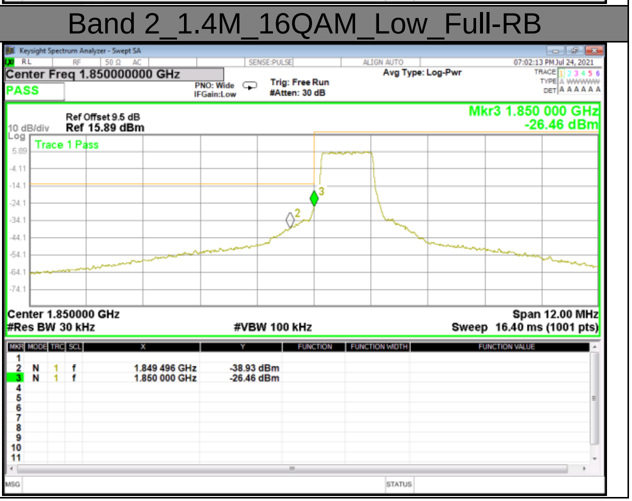
Trace 1 Pass

Center 1.910000 GHz Span 12.00 MHz
#Res BW 30 kHz #VBW 100 kHz Sweep 16.40 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1								
2	N	1	f	1.910 000 GHz	-20.11 dBm			
3	N	1	f	1.910 660 GHz	-35.98 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A A A A A A
Log
15.0
5.00
-5.00
-15.0
-25.0
-35.0
-45.0
-55.0
-65.0
2
3
MSG
STATUS

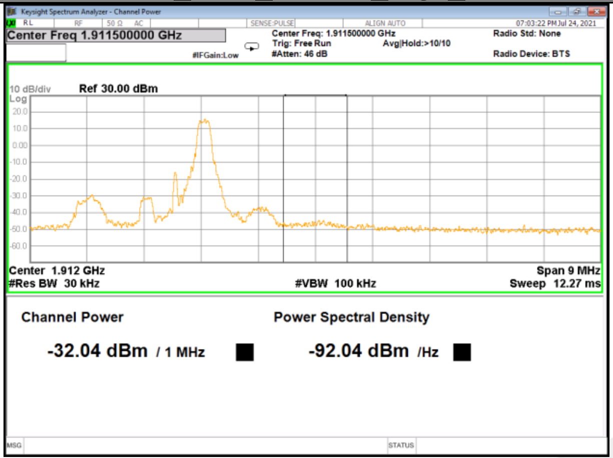
LTE BAND-2

LTE BAND-2	
Band 2_1.4M_QPSK_High_Full-RB	Band 2_1.4M_QPSK_High_Full-RB
 Keysight Spectrum Analyzer - Channel Power 06:52:33 PM Jul 24, 2021 Center Freq 1.911500000 GHz Center Freq: 1.911500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB #IFGain:Low Radio Std: None Radio Device: BTS 10 dB/div Ref 30.00 dBm Center 1.912 GHz #Res BW 30 kHz #VBW 100 kHz Span 9 MHz Sweep 12.27 ms Channel Power -31.33 dBm / 1 MHz Power Spectral Density -91.33 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 06:52:11 PM Jul 24, 2021 Center Freq 1.910000000 GHz PASS PNO: Wide IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Ref Offset 9.5 dB 10 dB/div Ref 17.03 dBm Mkr2 1.910 000 GHz -21.69 dBm Trace 1 Pass Center 1.910000 GHz #Res BW 30 kHz #VBW 100 kHz Span 12.00 MHz Sweep 16.40 ms (1001 pts) 2 N 1 f 1.910 000 GHz -21.69 dBm 3 N 1 f 1.910 636 GHz -34.94 dBm
Band 2_1.4M_16QAM_Low_1-RB	Band 2_1.4M_16QAM_Low_1-RB
 Keysight Spectrum Analyzer - Channel Power 07:01:51 PM Jul 24, 2021 Center Freq 1.848500000 GHz Center Freq: 1.848500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB #IFGain:Low Radio Std: None Radio Device: BTS 10 dB/div Ref 30.00 dBm Center 1.849 GHz #Res BW 30 kHz #VBW 100 kHz Span 9 MHz Sweep 12.27 ms Channel Power -30.83 dBm / 1 MHz Power Spectral Density -90.83 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 07:01:30 PM Jul 24, 2021 Center Freq 1.850000000 GHz PASS PNO: Wide IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Ref Offset 9.5 dB 10 dB/div Ref 24.48 dBm Mkr3 1.850 000 GHz -22.62 dBm Trace 1 Pass Center 1.850000 GHz #Res BW 30 kHz #VBW 100 kHz Span 12.00 MHz Sweep 16.40 ms (1001 pts) 2 N 1 f 1.849 376 GHz -42.42 dBm 3 N 1 f 1.850 000 GHz -22.62 dBm
Band 2_1.4M_16QAM_Low_Full-RB	Band 2_1.4M_16QAM_Low_Full-RB
 Keysight Spectrum Analyzer - Channel Power 07:02:34 PM Jul 24, 2021 Center Freq 1.848500000 GHz Center Freq: 1.848500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB #IFGain:Low Radio Std: None Radio Device: BTS 10 dB/div Ref 30.00 dBm Center 1.849 GHz #Res BW 30 kHz #VBW 100 kHz Span 9 MHz Sweep 12.27 ms Channel Power -31.99 dBm / 1 MHz Power Spectral Density -91.99 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 07:02:13 PM Jul 24, 2021 Center Freq 1.850000000 GHz PASS PNO: Wide IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Ref Offset 9.5 dB 10 dB/div Ref 15.89 dBm Mkr3 1.850 000 GHz -26.46 dBm Trace 1 Pass Center 1.850000 GHz #Res BW 30 kHz #VBW 100 kHz Span 12.00 MHz Sweep 16.40 ms (1001 pts) 2 N 1 f 1.849 496 GHz -38.93 dBm 3 N 1 f 1.850 000 GHz -26.46 dBm

LTE BAND-2

LTE BAND-2

Band 2_1.4M_16QAM_High_1-RB


Keysight Spectrum Analyzer - Channel Power

07:03:22 PM Jul 24, 2021

Center Freq 1.911500000 GHz

Center Freq: 1.911500000 GHz
Trig: Free Run
#Atten: 46 dB
Avg|Hold:>10/10
Radio Std: None
Radio Device: BTS

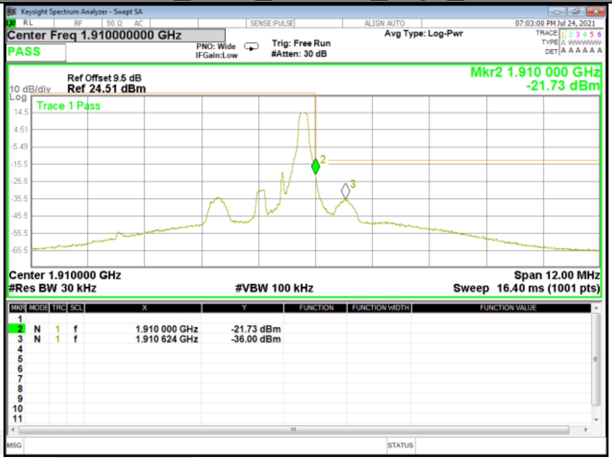
10 dB/div Ref 30.00 dBm

Center 1.912 GHz
#Res BW 30 kHz
#VBW 100 kHz
Span 9 MHz
Sweep 12.27 ms

Channel Power	Power Spectral Density
-32.04 dBm / 1 MHz	-92.04 dBm /Hz

RL
RF
50 Ω
AC
SENSE:PULSE
ALIGN AUTO
#IFGain:Low
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
MSG
STATUS

Band 2_1.4M_16QAM_High_1-RB


Keysight Spectrum Analyzer - Swept SA

07:03:00 PM Jul 24, 2021

Center Freq 1.910000000 GHz

PASS

PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr

Ref Offset 9.5 dB
10 dB/div Ref 24.51 dBm

Mkr2 1.910 000 GHz
-21.73 dBm

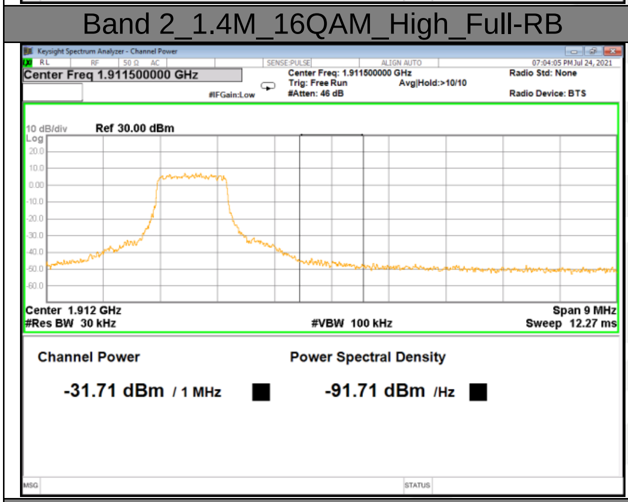
Trace 1 Pass

Center 1.910000 GHz
#Res BW 30 kHz
#VBW 100 kHz
Span 12.00 MHz
Sweep 16.40 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1								
2	N	1	f	1.910 000 GHz	-21.73 dBm			
3	N	1	f	1.910 624 GHz	-36.00 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

RL
RF
50 Ω
AC
SENSE:PULSE
ALIGN AUTO
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A A A A A A
Log
14.5
4.51
-5.49
-15.5
-25.5
-35.5
-45.5
-55.5
-65.5
2
3
MSG
STATUS

Band 2_1.4M_16QAM_High_Full-RB


Keysight Spectrum Analyzer - Channel Power

07:04:05 PM Jul 24, 2021

Center Freq 1.911500000 GHz

Center Freq: 1.911500000 GHz
Trig: Free Run
#Atten: 46 dB
Avg|Hold:>10/10
Radio Std: None
Radio Device: BTS

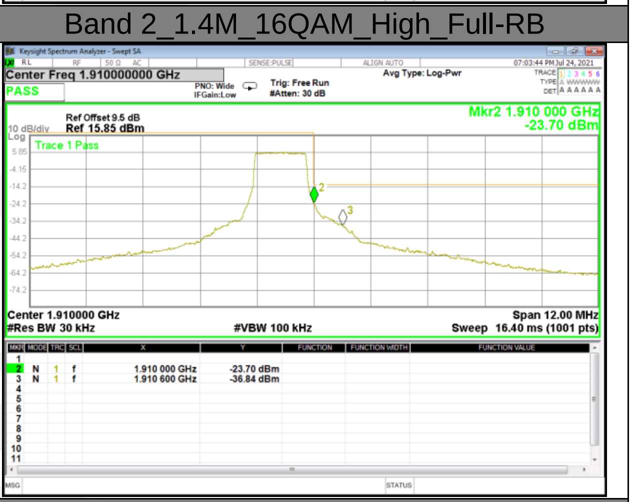
10 dB/div Ref 30.00 dBm

Center 1.912 GHz
#Res BW 30 kHz
#VBW 100 kHz
Span 9 MHz
Sweep 12.27 ms

Channel Power	Power Spectral Density
-31.71 dBm / 1 MHz	-91.71 dBm /Hz

RL
RF
50 Ω
AC
SENSE:PULSE
ALIGN AUTO
#IFGain:Low
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
MSG
STATUS

Band 2_1.4M_16QAM_High_Full-RB


Keysight Spectrum Analyzer - Swept SA

07:03:44 PM Jul 24, 2021

Center Freq 1.910000000 GHz

PASS

PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr

Ref Offset 9.5 dB
10 dB/div Ref 15.85 dBm

Mkr2 1.910 000 GHz
-23.70 dBm

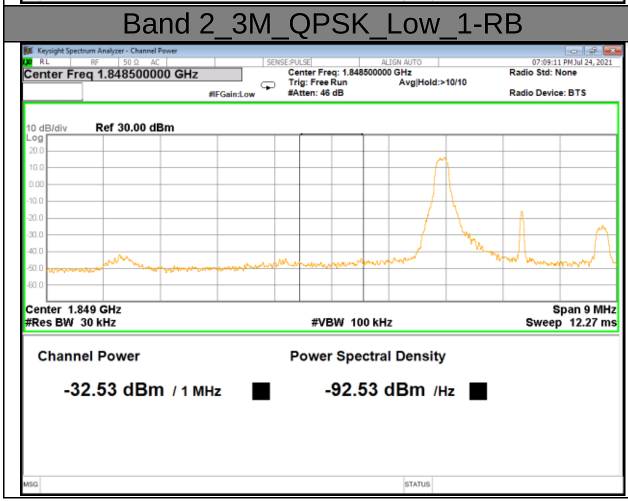
Trace 1 Pass

Center 1.910000 GHz
#Res BW 30 kHz
#VBW 100 kHz
Span 12.00 MHz
Sweep 16.40 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1								
2	N	1	f	1.910 000 GHz	-23.70 dBm			
3	N	1	f	1.910 600 GHz	-36.84 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

RL
RF
50 Ω
AC
SENSE:PULSE
ALIGN AUTO
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A A A A A A
Log
5.85
-4.15
-14.2
-24.2
-34.2
-44.2
-54.2
-64.2
-74.2
2
3
MSG
STATUS

Band 2_3M_QPSK_Low_1-RB


Keysight Spectrum Analyzer - Channel Power

07:09:11 PM Jul 24, 2021

Center Freq 1.848500000 GHz

Center Freq: 1.848500000 GHz
Trig: Free Run
#Atten: 46 dB
Avg|Hold:>10/10
Radio Std: None
Radio Device: BTS

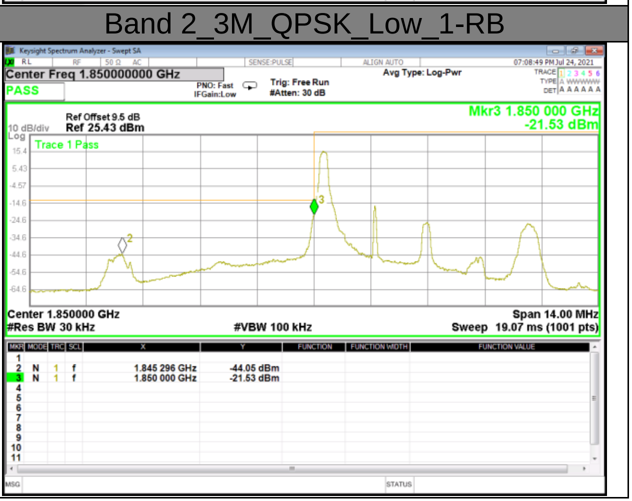
10 dB/div Ref 30.00 dBm

Center 1.849 GHz
#Res BW 30 kHz
#VBW 100 kHz
Span 9 MHz
Sweep 12.27 ms

Channel Power	Power Spectral Density
-32.53 dBm / 1 MHz	-92.53 dBm /Hz

RL
RF
50 Ω
AC
SENSE:PULSE
ALIGN AUTO
#IFGain:Low
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
MSG
STATUS

Band 2_3M_QPSK_Low_1-RB


Keysight Spectrum Analyzer - Swept SA

07:08:49 PM Jul 24, 2021

Center Freq 1.850000000 GHz

PASS

PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr

Ref Offset 9.5 dB
10 dB/div Ref 25.43 dBm

Mkr3 1.850 000 GHz
-21.53 dBm

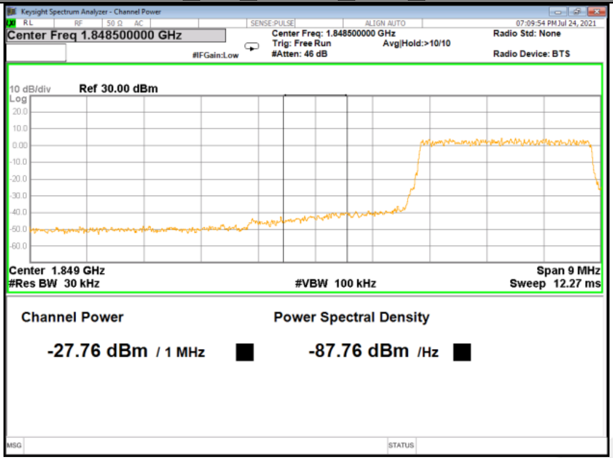
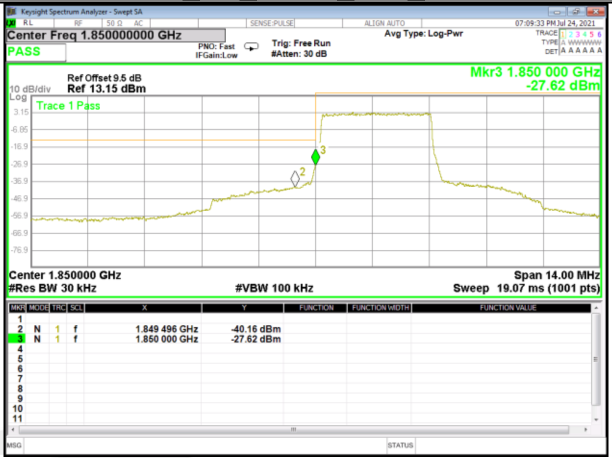
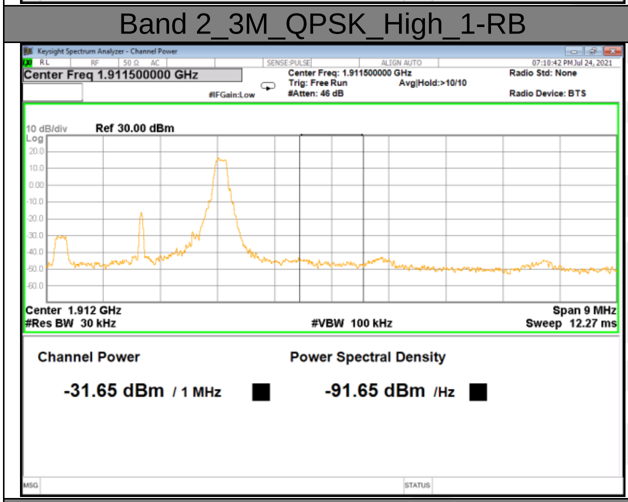
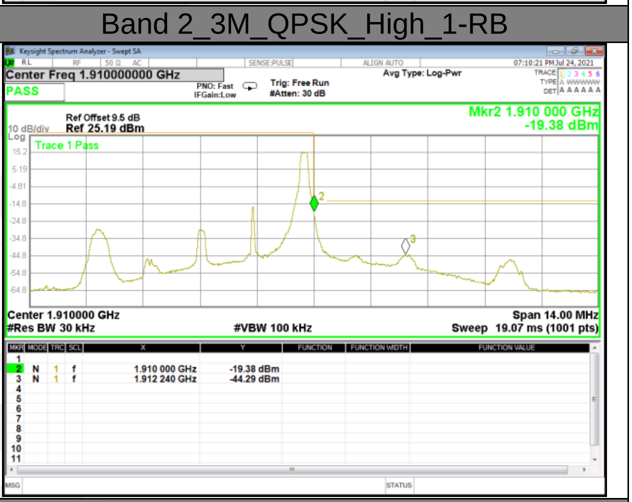
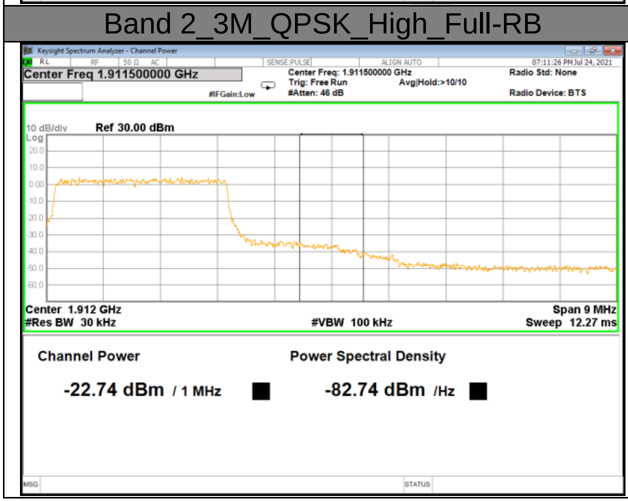
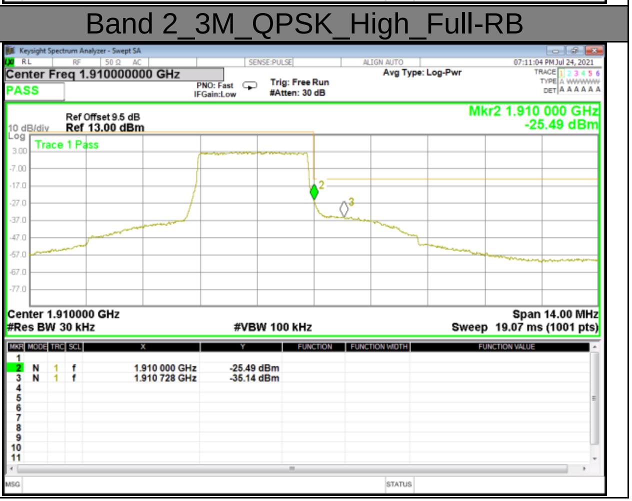
Trace 1 Pass

Center 1.850000 GHz
#Res BW 30 kHz
#VBW 100 kHz
Span 14.00 MHz
Sweep 19.07 ms (1001 pts)

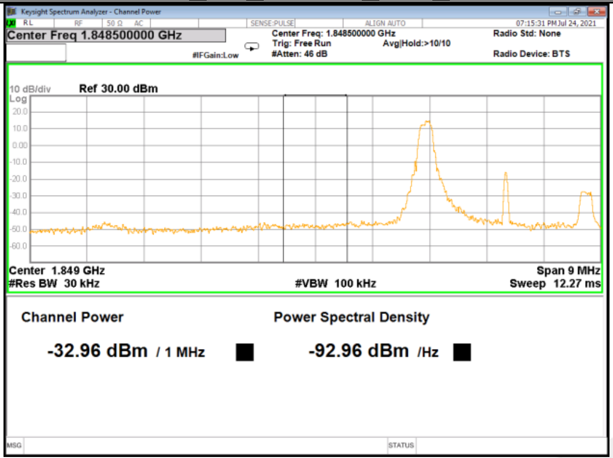
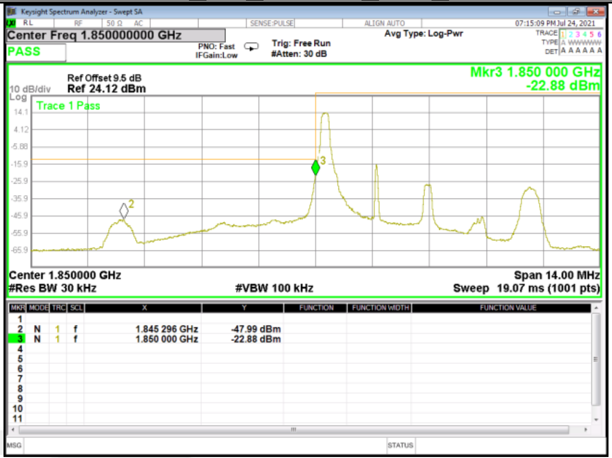
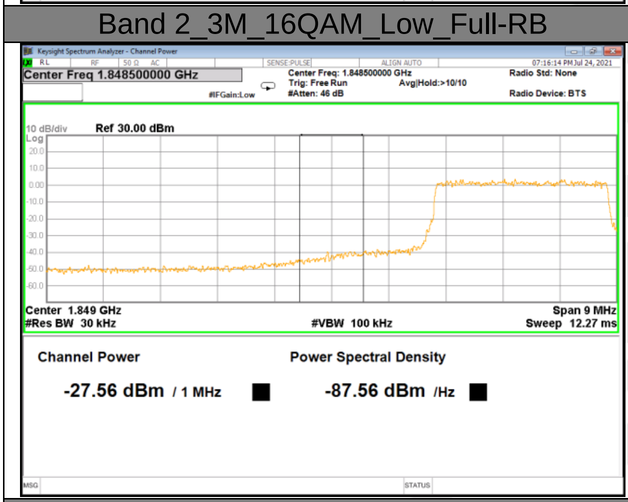
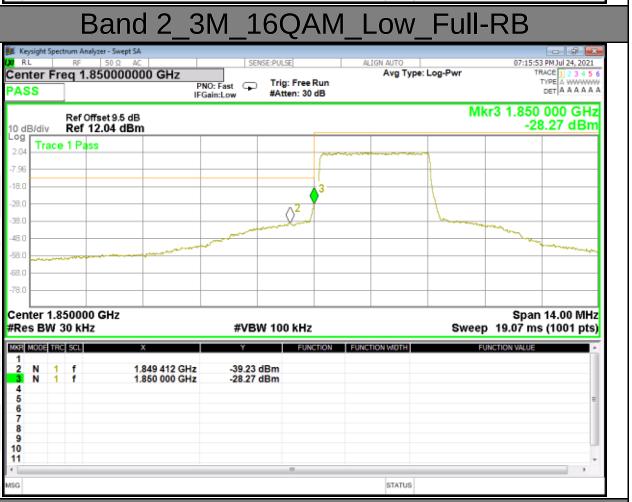
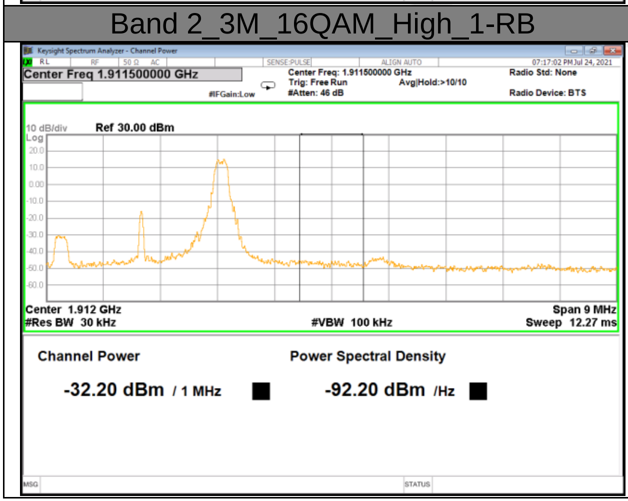
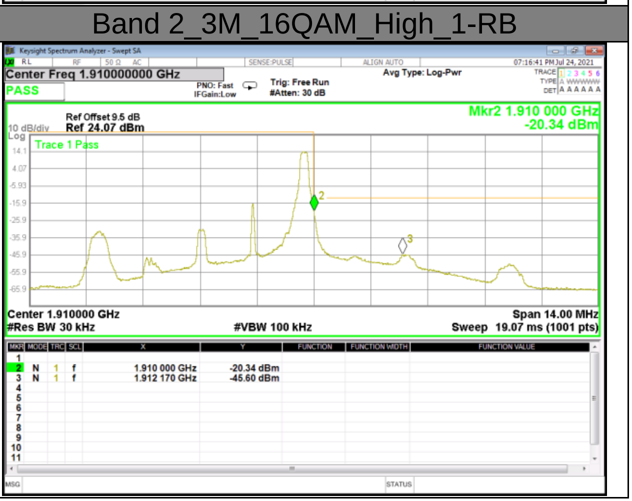
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1								
2	N	1	f	1.845 296 GHz	-44.05 dBm			
3	N	1	f	1.850 000 GHz	-21.53 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

RL
RF
50 Ω
AC
SENSE:PULSE
ALIGN AUTO
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A A A A A A
Log
15.4
5.43
-4.57
-14.6
-24.6
-34.6
-44.6
-54.6
-64.6
2
3
MSG
STATUS

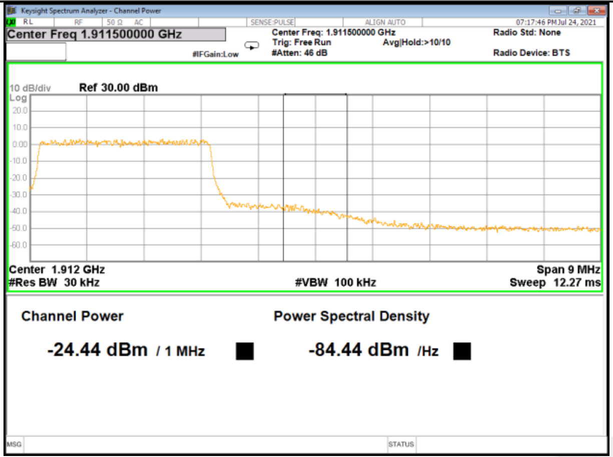
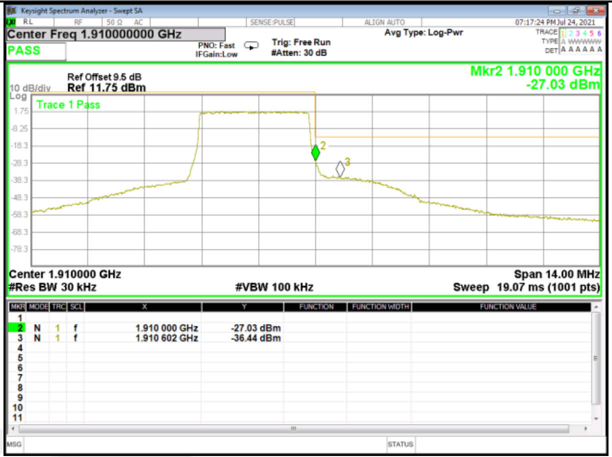
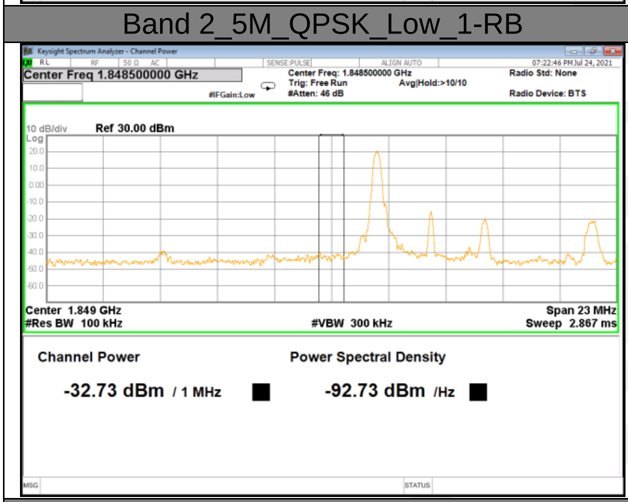
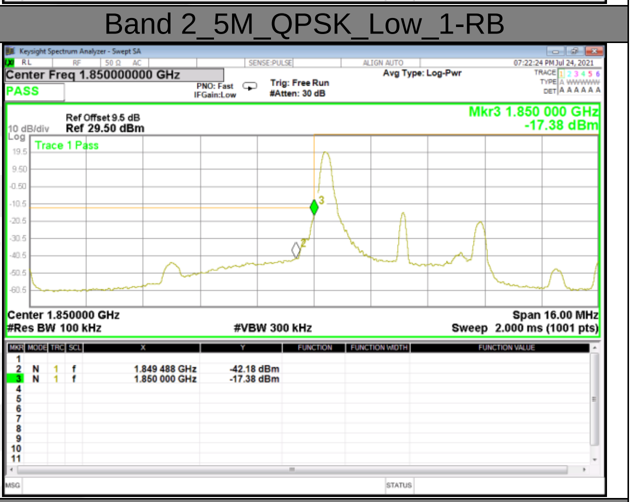
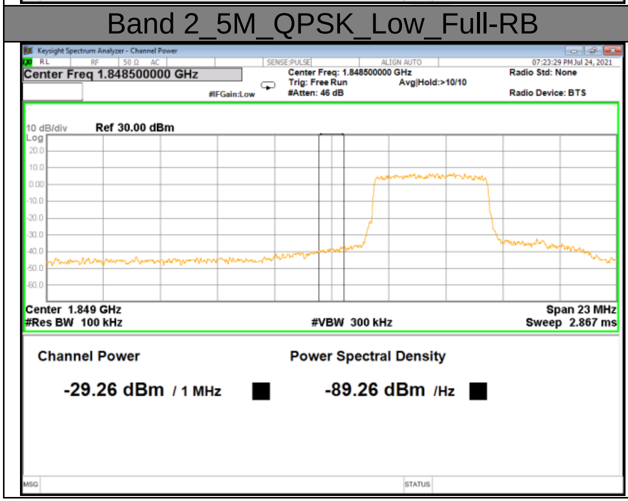
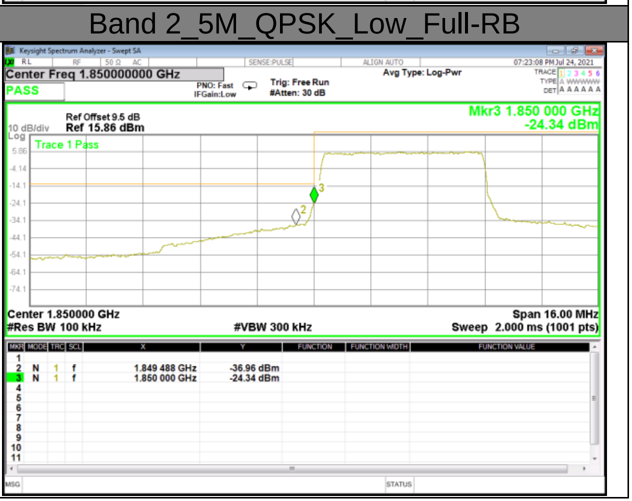
LTE BAND-2

LTE BAND-2	
Band 2_3M_QPSK_Low_Full-RB	Band 2_3M_QPSK_Low_Full-RB
 Keysight Spectrum Analyzer - Channel Power 07:09:54 PM Jul 24, 2021 Center Freq 1.848500000 GHz Center Freq: 1.848500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB Radio Std: None Radio Device: BTS Ref 30.00 dBm Center 1.849 GHz #Res BW 30 kHz #VBW 100 kHz Span 9 MHz Sweep 12.27 ms Channel Power -27.76 dBm / 1 MHz Power Spectral Density -87.76 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 07:09:33 PM Jul 24, 2021 Center Freq 1.850000000 GHz PASS PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Ref Offset 9.5 dB Ref 13.15 dBm Mkr3 1.850 000 GHz -27.62 dBm Trace 1 Pass Center 1.850000 GHz #Res BW 30 kHz #VBW 100 kHz Span 14.00 MHz Sweep 19.07 ms (1001 pts) 2 N 1 f 1.849 496 GHz -40.16 dBm 3 N 1 f 1.850 000 GHz -27.62 dBm
Band 2_3M_QPSK_High_1-RB	Band 2_3M_QPSK_High_1-RB
 Keysight Spectrum Analyzer - Channel Power 07:10:42 PM Jul 24, 2021 Center Freq 1.911500000 GHz Center Freq: 1.911500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB Radio Std: None Radio Device: BTS Ref 30.00 dBm Center 1.912 GHz #Res BW 30 kHz #VBW 100 kHz Span 9 MHz Sweep 12.27 ms Channel Power -31.65 dBm / 1 MHz Power Spectral Density -91.65 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 07:10:21 PM Jul 24, 2021 Center Freq 1.910000000 GHz PASS PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Ref Offset 9.5 dB Ref 25.19 dBm Mkr2 1.910 000 GHz -19.38 dBm Trace 1 Pass Center 1.910000 GHz #Res BW 30 kHz #VBW 100 kHz Span 14.00 MHz Sweep 19.07 ms (1001 pts) 2 N 1 f 1.910 000 GHz -19.38 dBm 3 N 1 f 1.912 240 GHz -44.29 dBm
Band 2_3M_QPSK_High_Full-RB	Band 2_3M_QPSK_High_Full-RB
 Keysight Spectrum Analyzer - Channel Power 07:11:26 PM Jul 24, 2021 Center Freq 1.911500000 GHz Center Freq: 1.911500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB Radio Std: None Radio Device: BTS Ref 30.00 dBm Center 1.912 GHz #Res BW 30 kHz #VBW 100 kHz Span 9 MHz Sweep 12.27 ms Channel Power -22.74 dBm / 1 MHz Power Spectral Density -82.74 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 07:11:04 PM Jul 24, 2021 Center Freq 1.910000000 GHz PASS PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Ref Offset 9.5 dB Ref 13.00 dBm Mkr2 1.910 000 GHz -25.49 dBm Trace 1 Pass Center 1.910000 GHz #Res BW 30 kHz #VBW 100 kHz Span 14.00 MHz Sweep 19.07 ms (1001 pts) 2 N 1 f 1.910 000 GHz -25.49 dBm 3 N 1 f 1.910 728 GHz -35.14 dBm

LTE BAND-2

LTE BAND-2	
Band 2_3M_16QAM_Low_1-RB	Band 2_3M_16QAM_Low_1-RB
 Keysight Spectrum Analyzer - Channel Power 07:15:31 PM Jul 24, 2021 Center Freq 1.848500000 GHz Center Freq: 1.848500000 GHz Trig: Free Run #Atten: 46 dB Avg|Hold:>10/10 Radio Std: None Radio Device: BTS #IFGain:Low 10 dB/div Ref 30.00 dBm Center 1.849 GHz #Res BW 30 kHz #VBW 100 kHz Span 9 MHz Sweep 12.27 ms Channel Power -32.96 dBm / 1 MHz Power Spectral Density -92.96 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 07:15:09 PM Jul 24, 2021 Center Freq 1.850000000 GHz PASS PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Ref Offset 9.5 dB 10 dB/div Ref 24.12 dBm Trace 1 Pass Mkr3 1.850 000 GHz -22.88 dBm Center 1.850000 GHz #Res BW 30 kHz #VBW 100 kHz Span 14.00 MHz Sweep 19.07 ms (1001 pts) MKR MODE TRC SCL X Y 2 N 1 f 1.845 296 GHz -47.99 dBm 3 N 1 f 1.850 000 GHz -22.88 dBm
Band 2_3M_16QAM_Low_Full-RB	Band 2_3M_16QAM_Low_Full-RB
 Keysight Spectrum Analyzer - Channel Power 07:16:14 PM Jul 24, 2021 Center Freq 1.848500000 GHz Center Freq: 1.848500000 GHz Trig: Free Run #Atten: 46 dB Avg|Hold:>10/10 Radio Std: None Radio Device: BTS #IFGain:Low 10 dB/div Ref 30.00 dBm Center 1.849 GHz #Res BW 30 kHz #VBW 100 kHz Span 9 MHz Sweep 12.27 ms Channel Power -27.56 dBm / 1 MHz Power Spectral Density -87.56 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 07:15:53 PM Jul 24, 2021 Center Freq 1.850000000 GHz PASS PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Ref Offset 9.5 dB 10 dB/div Ref 12.04 dBm Trace 1 Pass Mkr3 1.850 000 GHz -28.27 dBm Center 1.850000 GHz #Res BW 30 kHz #VBW 100 kHz Span 14.00 MHz Sweep 19.07 ms (1001 pts) MKR MODE TRC SCL X Y 2 N 1 f 1.849 412 GHz -39.23 dBm 3 N 1 f 1.850 000 GHz -28.27 dBm
Band 2_3M_16QAM_High_1-RB	Band 2_3M_16QAM_High_1-RB
 Keysight Spectrum Analyzer - Channel Power 07:17:02 PM Jul 24, 2021 Center Freq 1.911500000 GHz Center Freq: 1.911500000 GHz Trig: Free Run #Atten: 46 dB Avg|Hold:>10/10 Radio Std: None Radio Device: BTS #IFGain:Low 10 dB/div Ref 30.00 dBm Center 1.912 GHz #Res BW 30 kHz #VBW 100 kHz Span 9 MHz Sweep 12.27 ms Channel Power -32.20 dBm / 1 MHz Power Spectral Density -92.20 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 07:16:41 PM Jul 24, 2021 Center Freq 1.910000000 GHz PASS PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Ref Offset 9.5 dB 10 dB/div Ref 24.07 dBm Trace 1 Pass Mkr2 1.910 000 GHz -20.34 dBm Center 1.910000 GHz #Res BW 30 kHz #VBW 100 kHz Span 14.00 MHz Sweep 19.07 ms (1001 pts) MKR MODE TRC SCL X Y 2 N 1 f 1.910 000 GHz -20.34 dBm 3 N 1 f 1.912 170 GHz -45.60 dBm

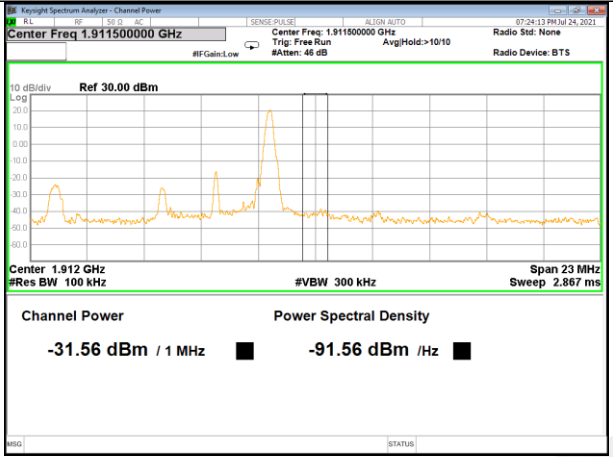
LTE BAND-2

LTE BAND-2	
Band 2_3M_16QAM_High_Full-RB	Band 2_3M_16QAM_High_Full-RB
 Keysight Spectrum Analyzer - Channel Power 07:17:46 PM Jul 24, 2021 Center Freq 1.911500000 GHz Center Freq: 1.911500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB #IFGain:Low Radio Std: None Radio Device: BTS 10 dB/div Ref 30.00 dBm Center 1.912 GHz #Res BW 30 kHz #VBW 100 kHz Span 9 MHz Sweep 12.27 ms Channel Power -24.44 dBm / 1 MHz Power Spectral Density -84.44 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 07:17:24 PM Jul 24, 2021 Center Freq 1.910000000 GHz PASS PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Ref Offset 9.5 dB 10 dB/div Ref 11.75 dBm Mkr2 1.910 000 GHz -27.03 dBm Trace 1 Pass Center 1.910000 GHz #Res BW 30 kHz #VBW 100 kHz Span 14.00 MHz Sweep 19.07 ms (1001 pts) 2 N 1 f 1.910 000 GHz -27.03 dBm 3 N 1 f 1.910 602 GHz -36.44 dBm
Band 2_5M_QPSK_Low_1-RB	Band 2_5M_QPSK_Low_1-RB
 Keysight Spectrum Analyzer - Channel Power 07:22:46 PM Jul 24, 2021 Center Freq 1.848500000 GHz Center Freq: 1.848500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB #IFGain:Low Radio Std: None Radio Device: BTS 10 dB/div Ref 30.00 dBm Center 1.849 GHz #Res BW 100 kHz #VBW 300 kHz Span 23 MHz Sweep 2.867 ms Channel Power -32.73 dBm / 1 MHz Power Spectral Density -92.73 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 07:22:24 PM Jul 24, 2021 Center Freq 1.850000000 GHz PASS PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Ref Offset 9.5 dB 10 dB/div Ref 29.50 dBm Mkr3 1.850 000 GHz -17.38 dBm Trace 1 Pass Center 1.850000 GHz #Res BW 100 kHz #VBW 300 kHz Span 16.00 MHz Sweep 2.000 ms (1001 pts) 2 N 1 f 1.849 488 GHz -42.18 dBm 3 N 1 f 1.850 000 GHz -17.38 dBm
Band 2_5M_QPSK_Low_Full-RB	Band 2_5M_QPSK_Low_Full-RB
 Keysight Spectrum Analyzer - Channel Power 07:23:29 PM Jul 24, 2021 Center Freq 1.848500000 GHz Center Freq: 1.848500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB #IFGain:Low Radio Std: None Radio Device: BTS 10 dB/div Ref 30.00 dBm Center 1.849 GHz #Res BW 100 kHz #VBW 300 kHz Span 23 MHz Sweep 2.867 ms Channel Power -29.26 dBm / 1 MHz Power Spectral Density -89.26 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 07:23:08 PM Jul 24, 2021 Center Freq 1.850000000 GHz PASS PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Ref Offset 9.5 dB 10 dB/div Ref 15.86 dBm Mkr3 1.850 000 GHz -24.34 dBm Trace 1 Pass Center 1.850000 GHz #Res BW 100 kHz #VBW 300 kHz Span 16.00 MHz Sweep 2.000 ms (1001 pts) 2 N 1 f 1.849 488 GHz -36.96 dBm 3 N 1 f 1.850 000 GHz -24.34 dBm

LTE BAND-2

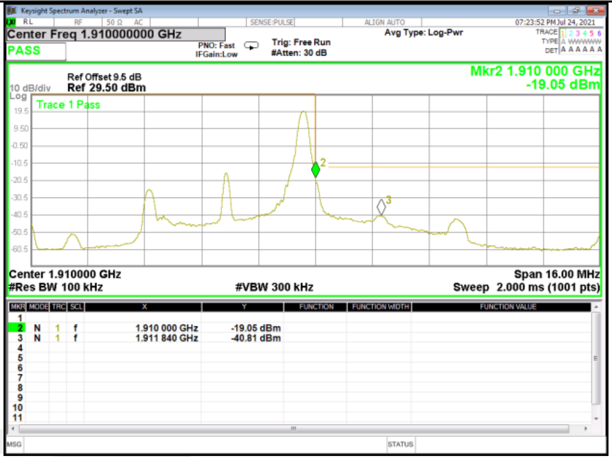
LTE BAND-2

Band 2_5M_QPSK_High_1-RB



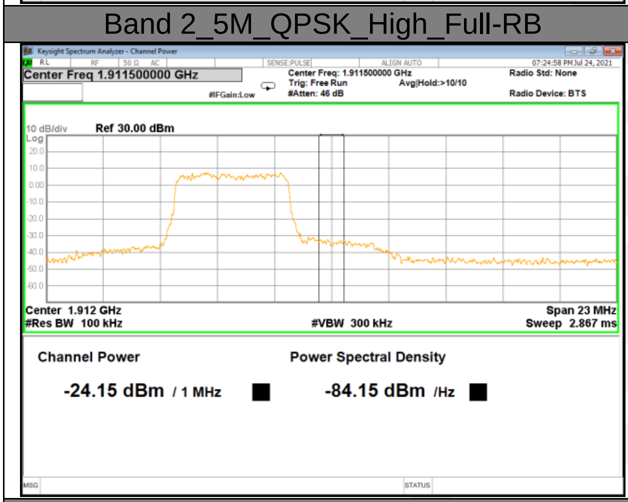
```
Keysight Spectrum Analyzer - Channel Power
RL   RF   50 Ω   AC   SENSE:PULSE   ALIGN AUTO   07:24:13 PM Jul 24, 2021
Center Freq 1.911500000 GHz   Center Freq: 1.911500000 GHz   Radio Std: None
                              Trig: Free Run   Avg|Hold:>10/10
#IFGain:Low                   #Atten: 46 dB    Radio Device: BTS
10 dB/div   Ref 30.00 dBm
Log
Center  1.912 GHz                                Span 23 MHz
#Res BW  100 kHz        #VBW  300 kHz            Sweep  2.867 ms
Channel Power                 Power Spectral Density
-31.56 dBm / 1 MHz            -91.56 dBm /Hz
MSG                 STATUS
```

Band 2_5M_QPSK_High_1-RB



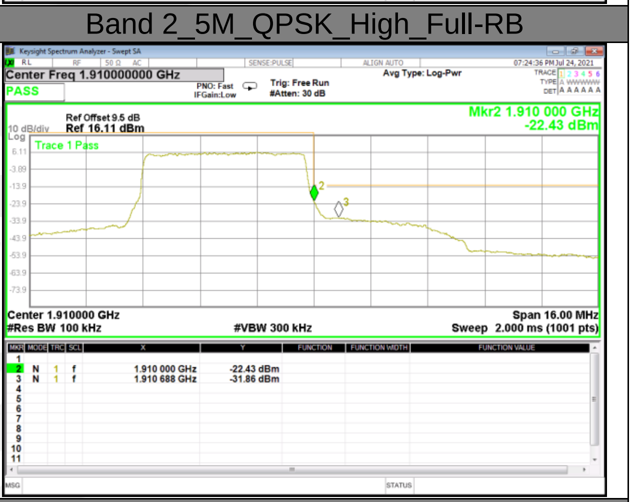
```
Keysight Spectrum Analyzer - Swept SA
RL   RF   50 Ω   AC   SENSE:PULSE   ALIGN AUTO   07:23:52 PM Jul 24, 2021
Center Freq 1.910000000 GHz                Avg Type: Log-Pwr   TRACE 1 2 3 4 5 6
PASS          PNO: Fast   Trig: Free Run                       TYPE A WWWWW
              IFGain:Low  #Atten: 30 dB                        DET A A A A A A
Ref Offset 9.5 dB                                 Mkr2 1.910 000 GHz
10 dB/div   Ref 29.50 dBm                                   -19.05 dBm
Log
Trace 1 Pass
Center 1.910000 GHz                               Span 16.00 MHz
#Res BW 100 kHz        #VBW 300 kHz       Sweep  2.000 ms (1001 pts)
MKR MODE TRC SCL   X               Y            FUNCTION  FUNCTION WIDTH  FUNCTION VALUE
1
2   N    1   f     1.910 000 GHz   -19.05 dBm
3   N    1   f     1.911 840 GHz   -40.81 dBm
4
5
6
7
8
9
10
11
MSG                 STATUS
```

Band 2_5M_QPSK_High_Full-RB



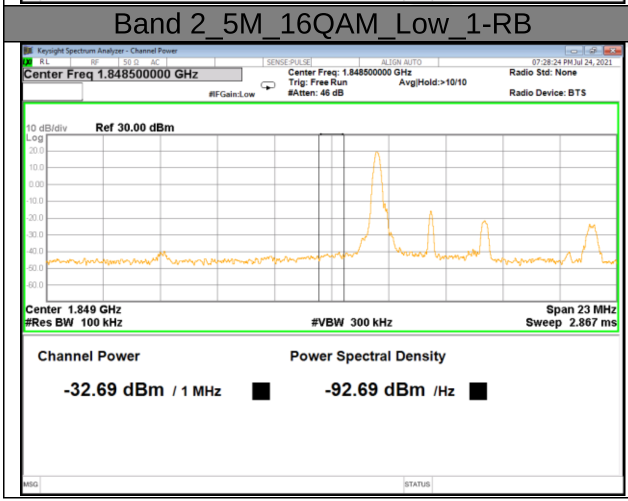
```
Keysight Spectrum Analyzer - Channel Power
RL   RF   50 Ω   AC   SENSE:PULSE   ALIGN AUTO   07:24:58 PM Jul 24, 2021
Center Freq 1.911500000 GHz   Center Freq: 1.911500000 GHz   Radio Std: None
                              Trig: Free Run   Avg|Hold:>10/10
#IFGain:Low                   #Atten: 46 dB    Radio Device: BTS
10 dB/div   Ref 30.00 dBm
Log
Center  1.912 GHz                                Span 23 MHz
#Res BW  100 kHz        #VBW  300 kHz            Sweep  2.867 ms
Channel Power                 Power Spectral Density
-24.15 dBm / 1 MHz            -84.15 dBm /Hz
MSG                 STATUS
```

Band 2_5M_QPSK_High_Full-RB



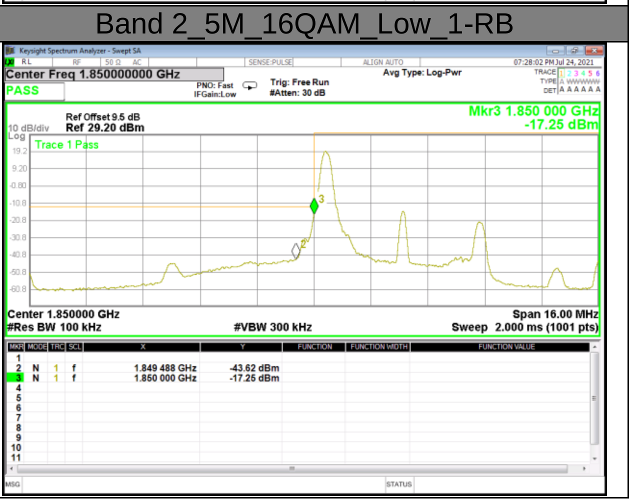
```
Keysight Spectrum Analyzer - Swept SA
RL   RF   50 Ω   AC   SENSE:PULSE   ALIGN AUTO   07:24:36 PM Jul 24, 2021
Center Freq 1.910000000 GHz                Avg Type: Log-Pwr   TRACE 1 2 3 4 5 6
PASS          PNO: Fast   Trig: Free Run                       TYPE A WWWWW
              IFGain:Low  #Atten: 30 dB                        DET A A A A A A
Ref Offset 9.5 dB                                 Mkr2 1.910 000 GHz
10 dB/div   Ref 16.11 dBm                                   -22.43 dBm
Log
Trace 1 Pass
Center 1.910000 GHz                               Span 16.00 MHz
#Res BW 100 kHz        #VBW 300 kHz       Sweep  2.000 ms (1001 pts)
MKR MODE TRC SCL   X               Y            FUNCTION  FUNCTION WIDTH  FUNCTION VALUE
1
2   N    1   f     1.910 000 GHz   -22.43 dBm
3   N    1   f     1.910 688 GHz   -31.86 dBm
4
5
6
7
8
9
10
11
MSG                 STATUS
```

Band 2_5M_16QAM_Low_1-RB



```
Keysight Spectrum Analyzer - Channel Power
RL   RF   50 Ω   AC   SENSE:PULSE   ALIGN AUTO   07:28:24 PM Jul 24, 2021
Center Freq 1.848500000 GHz   Center Freq: 1.848500000 GHz   Radio Std: None
                              Trig: Free Run   Avg|Hold:>10/10
#IFGain:Low                   #Atten: 46 dB    Radio Device: BTS
10 dB/div   Ref 30.00 dBm
Log
Center  1.849 GHz                                Span 23 MHz
#Res BW  100 kHz        #VBW  300 kHz            Sweep  2.867 ms
Channel Power                 Power Spectral Density
-32.69 dBm / 1 MHz            -92.69 dBm /Hz
MSG                 STATUS
```

Band 2_5M_16QAM_Low_1-RB

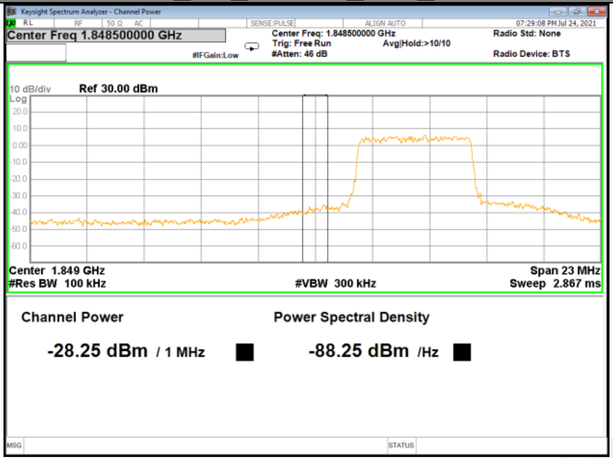


```
Keysight Spectrum Analyzer - Swept SA
RL   RF   50 Ω   AC   SENSE:PULSE   ALIGN AUTO   07:28:02 PM Jul 24, 2021
Center Freq 1.850000000 GHz                Avg Type: Log-Pwr   TRACE 1 2 3 4 5 6
PASS          PNO: Fast   Trig: Free Run                       TYPE A WWWWW
              IFGain:Low  #Atten: 30 dB                        DET A A A A A A
Ref Offset 9.5 dB                                 Mkr3 1.850 000 GHz
10 dB/div   Ref 29.20 dBm                                   -17.25 dBm
Log
Trace 1 Pass
Center 1.850000 GHz                               Span 16.00 MHz
#Res BW 100 kHz        #VBW 300 kHz       Sweep  2.000 ms (1001 pts)
MKR MODE TRC SCL   X               Y            FUNCTION  FUNCTION WIDTH  FUNCTION VALUE
1
2   N    1   f     1.849 488 GHz   -43.62 dBm
3   N    1   f     1.850 000 GHz   -17.25 dBm
4
5
6
7
8
9
10
11
MSG                 STATUS
```

LTE BAND-2

LTE BAND-2

Band 2_5M_16QAM_Low_Full-RB



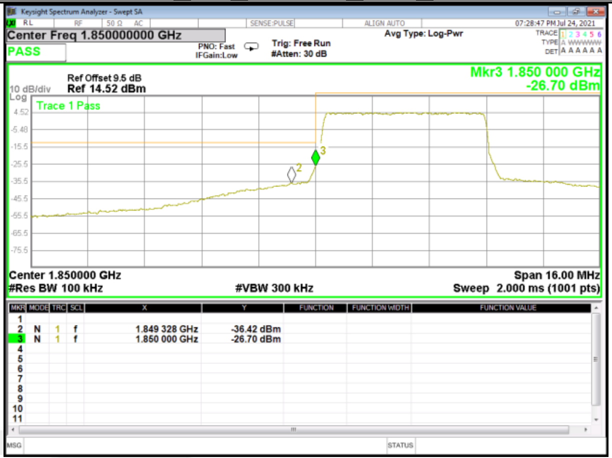
Keysight Spectrum Analyzer - Channel Power
RL RF 50 Ω AC SENSE:PULSE ALIGN AUTO 07:29:08 PM Jul 24, 2021
Center Freq 1.848500000 GHz
Center Freq: 1.848500000 GHz
Trig: Free Run Avg|Hold:>10/10
#IFGain:Low #Atten: 46 dB
Radio Std: None
Radio Device: BTS
10 dB/div Ref 30.00 dBm
Center 1.849 GHz Span 23 MHz
#Res BW 100 kHz #VBW 300 kHz Sweep 2.867 ms

Channel Power -28.25 dBm / 1 MHz

Power Spectral Density -88.25 dBm /Hz

Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
MSG
STATUS

Band 2_5M_16QAM_Low_Full-RB

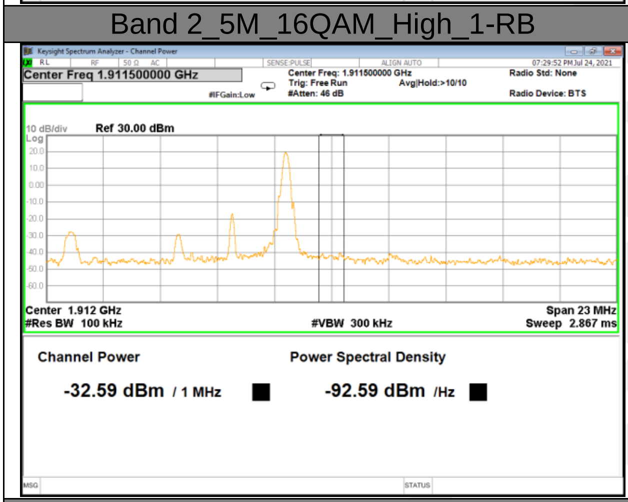


Keysight Spectrum Analyzer - Swept SA
RL RF 50 Ω AC SENSE:PULSE ALIGN AUTO 07:28:47 PM Jul 24, 2021
Center Freq 1.850000000 GHz
Avg Type: Log-Pwr
PASS
PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB
Ref Offset 9.5 dB
10 dB/div Ref 14.52 dBm
Mkr3 1.850 000 GHz -26.70 dBm
Trace 1 Pass
Center 1.850000 GHz Span 16.00 MHz
#Res BW 100 kHz #VBW 300 kHz Sweep 2.000 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1								
2	N	1	f	1.849 328 GHz	-36.42 dBm			
3	N	1	f	1.850 000 GHz	-26.70 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A A A A A A
Log
4.52
-5.48
-15.5
-25.5
-35.5
-45.5
-55.5
-65.5
-75.5
2
3
MSG
STATUS

Band 2_5M_16QAM_High_1-RB



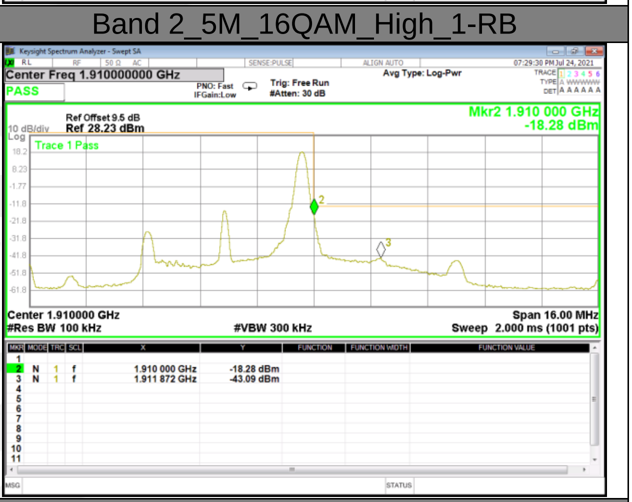
Keysight Spectrum Analyzer - Channel Power
RL RF 50 Ω AC SENSE:PULSE ALIGN AUTO 07:29:52 PM Jul 24, 2021
Center Freq 1.911500000 GHz
Center Freq: 1.911500000 GHz
Trig: Free Run Avg|Hold:>10/10
#IFGain:Low #Atten: 46 dB
Radio Std: None
Radio Device: BTS
10 dB/div Ref 30.00 dBm
Center 1.912 GHz Span 23 MHz
#Res BW 100 kHz #VBW 300 kHz Sweep 2.867 ms

Channel Power -32.59 dBm / 1 MHz

Power Spectral Density -92.59 dBm /Hz

Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
MSG
STATUS

Band 2_5M_16QAM_High_1-RB

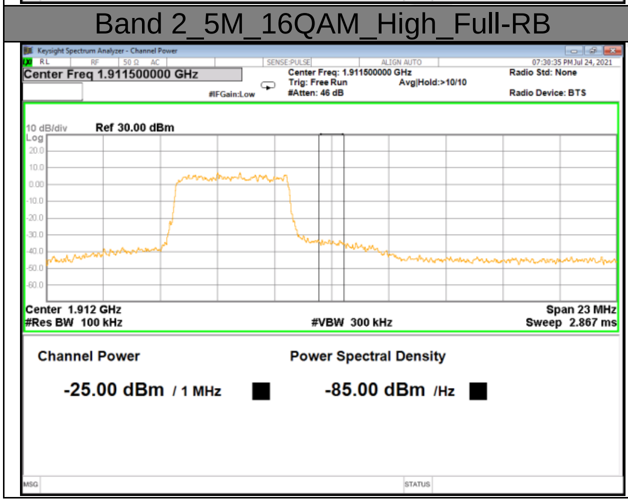


Keysight Spectrum Analyzer - Swept SA
RL RF 50 Ω AC SENSE:PULSE ALIGN AUTO 07:29:30 PM Jul 24, 2021
Center Freq 1.910000000 GHz
Avg Type: Log-Pwr
PASS
PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB
Ref Offset 9.5 dB
10 dB/div Ref 28.23 dBm
Mkr2 1.910 000 GHz -18.28 dBm
Trace 1 Pass
Center 1.910000 GHz Span 16.00 MHz
#Res BW 100 kHz #VBW 300 kHz Sweep 2.000 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1								
2	N	1	f	1.910 000 GHz	-18.28 dBm			
3	N	1	f	1.911 872 GHz	-43.09 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A A A A A A
Log
18.2
8.23
-1.77
-11.8
-21.8
-31.8
-41.8
-51.8
-61.8
2
3
MSG
STATUS

Band 2_5M_16QAM_High_Full-RB



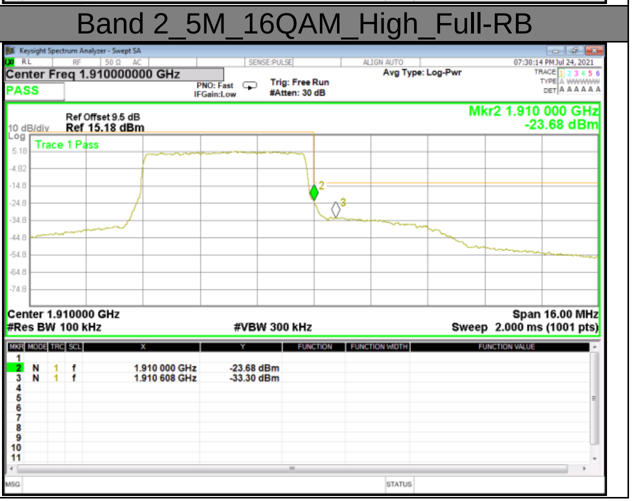
Keysight Spectrum Analyzer - Channel Power
RL RF 50 Ω AC SENSE:PULSE ALIGN AUTO 07:30:35 PM Jul 24, 2021
Center Freq 1.911500000 GHz
Center Freq: 1.911500000 GHz
Trig: Free Run Avg|Hold:>10/10
#IFGain:Low #Atten: 46 dB
Radio Std: None
Radio Device: BTS
10 dB/div Ref 30.00 dBm
Center 1.912 GHz Span 23 MHz
#Res BW 100 kHz #VBW 300 kHz Sweep 2.867 ms

Channel Power -25.00 dBm / 1 MHz

Power Spectral Density -85.00 dBm /Hz

Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
MSG
STATUS

Band 2_5M_16QAM_High_Full-RB



Keysight Spectrum Analyzer - Swept SA
RL RF 50 Ω AC SENSE:PULSE ALIGN AUTO 07:30:14 PM Jul 24, 2021
Center Freq 1.910000000 GHz
Avg Type: Log-Pwr
PASS
PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB
Ref Offset 9.5 dB
10 dB/div Ref 15.18 dBm
Mkr2 1.910 000 GHz -23.68 dBm
Trace 1 Pass
Center 1.910000 GHz Span 16.00 MHz
#Res BW 100 kHz #VBW 300 kHz Sweep 2.000 ms (1001 pts)

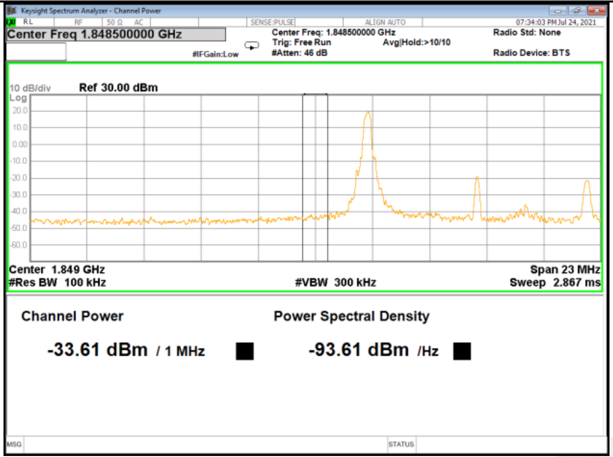
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1								
2	N	1	f	1.910 000 GHz	-23.68 dBm			
3	N	1	f	1.910 608 GHz	-33.30 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A A A A A A
Log
5.18
-4.82
-14.8
-24.8
-34.8
-44.8
-54.8
-64.8
-74.8
2
3
MSG
STATUS

LTE BAND-2

LTE BAND-2

Band 2_10M_QPSK_Low_1-RB


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω
AC
SENSE:PULSE
ALIGN AUTO
10 dB/div
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
MSG
STATUS

07:34:03 PM Jul 24, 2021

Center Freq 1.848500000 GHz

#IFGain:Low

Center Freq: 1.848500000 GHz
Trig: Free Run
#Atten: 46 dB

Avg|Hold:>10/10

Radio Std: None
Radio Device: BTS

Ref 30.00 dBm

Center 1.849 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 23 MHz
Sweep 2.867 ms

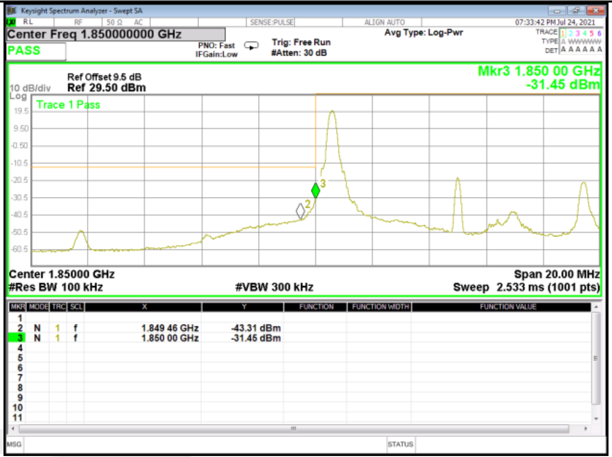
Channel Power

-33.61 dBm / 1 MHz

Power Spectral Density

-93.61 dBm /Hz

Band 2_10M_QPSK_Low_1-RB


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω
AC
SENSE:PULSE
ALIGN AUTO
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A A A A A A
10 dB/div
Log
Trace 1 Pass
19.5
9.50
-0.50
-10.5
-20.5
-30.5
-40.5
-50.5
-60.5
2
3
MSG
STATUS

07:33:42 PM Jul 24, 2021

Center Freq 1.850000000 GHz

PASS

PNO: Fast
IFGain:Low

Trig: Free Run
#Atten: 30 dB

Avg Type: Log-Pwr

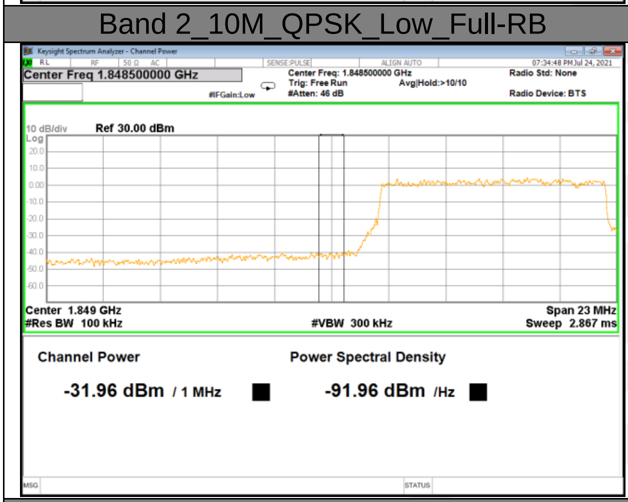
Ref Offset 9.5 dB
Ref 29.50 dBm

Mkr3 1.850 00 GHz
-31.45 dBm

Center 1.85000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 20.00 MHz
Sweep 2.533 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1								
2	N	1	f	1.849 46 GHz	-43.31 dBm			
3	N	1	f	1.850 00 GHz	-31.45 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

Band 2_10M_QPSK_Low_Full-RB


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω
AC
SENSE:PULSE
ALIGN AUTO
10 dB/div
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
MSG
STATUS

07:34:48 PM Jul 24, 2021

Center Freq 1.848500000 GHz

#IFGain:Low

Center Freq: 1.848500000 GHz
Trig: Free Run
#Atten: 46 dB

Avg|Hold:>10/10

Radio Std: None
Radio Device: BTS

Ref 30.00 dBm

Center 1.849 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 23 MHz
Sweep 2.867 ms

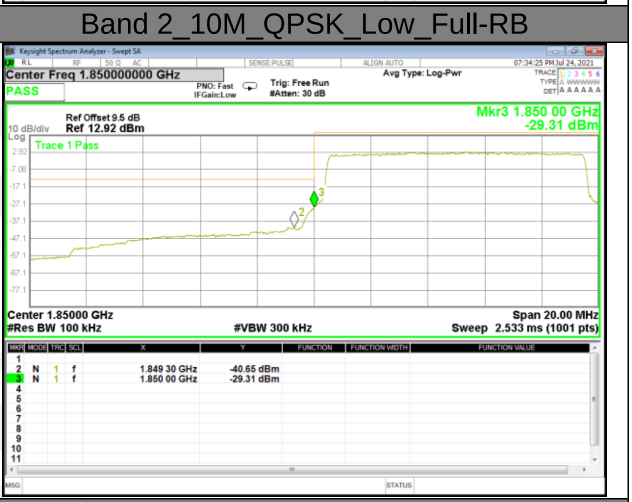
Channel Power

-31.96 dBm / 1 MHz

Power Spectral Density

-91.96 dBm /Hz

Band 2_10M_QPSK_Low_Full-RB


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω
AC
SENSE:PULSE
ALIGN AUTO
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A A A A A A
10 dB/div
Log
Trace 1 Pass
2.92
-7.08
-17.1
-27.1
-37.1
-47.1
-57.1
-67.1
-77.1
2
3
MSG
STATUS

07:34:25 PM Jul 24, 2021

Center Freq 1.850000000 GHz

PASS

PNO: Fast
IFGain:Low

Trig: Free Run
#Atten: 30 dB

Avg Type: Log-Pwr

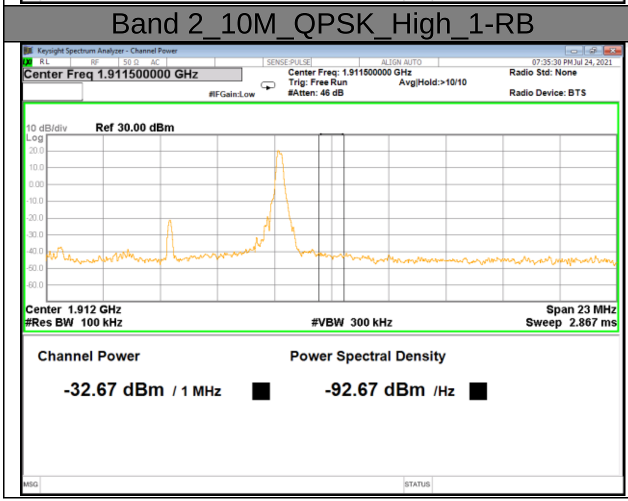
Ref Offset 9.5 dB
Ref 12.92 dBm

Mkr3 1.850 00 GHz
-29.31 dBm

Center 1.85000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 20.00 MHz
Sweep 2.533 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1								
2	N	1	f	1.849 30 GHz	-40.65 dBm			
3	N	1	f	1.850 00 GHz	-29.31 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

Band 2_10M_QPSK_High_1-RB


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω
AC
SENSE:PULSE
ALIGN AUTO
10 dB/div
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
MSG
STATUS

07:35:30 PM Jul 24, 2021

Center Freq 1.911500000 GHz

#IFGain:Low

Center Freq: 1.911500000 GHz
Trig: Free Run
#Atten: 46 dB

Avg|Hold:>10/10

Radio Std: None
Radio Device: BTS

Ref 30.00 dBm

Center 1.912 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 23 MHz
Sweep 2.867 ms

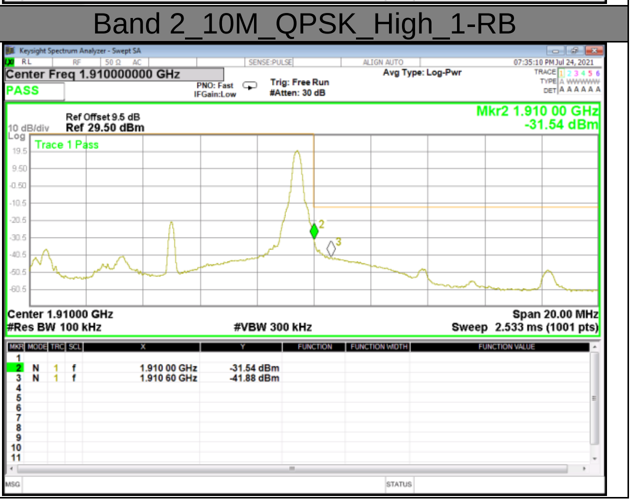
Channel Power

-32.67 dBm / 1 MHz

Power Spectral Density

-92.67 dBm /Hz

Band 2_10M_QPSK_High_1-RB


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω
AC
SENSE:PULSE
ALIGN AUTO
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A A A A A A
10 dB/div
Log
Trace 1 Pass
19.5
9.50
-0.50
-10.5
-20.5
-30.5
-40.5
-50.5
-60.5
2
3
MSG
STATUS

07:35:10 PM Jul 24, 2021

Center Freq 1.910000000 GHz

PASS

PNO: Fast
IFGain:Low

Trig: Free Run
#Atten: 30 dB

Avg Type: Log-Pwr

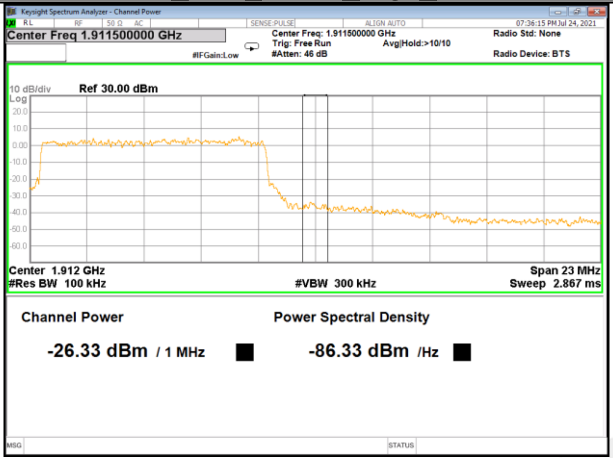
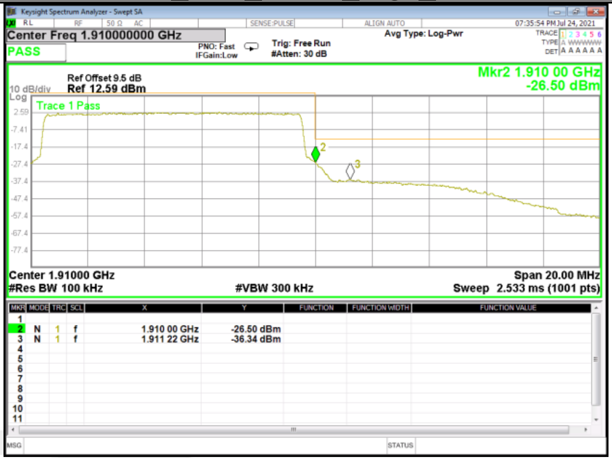
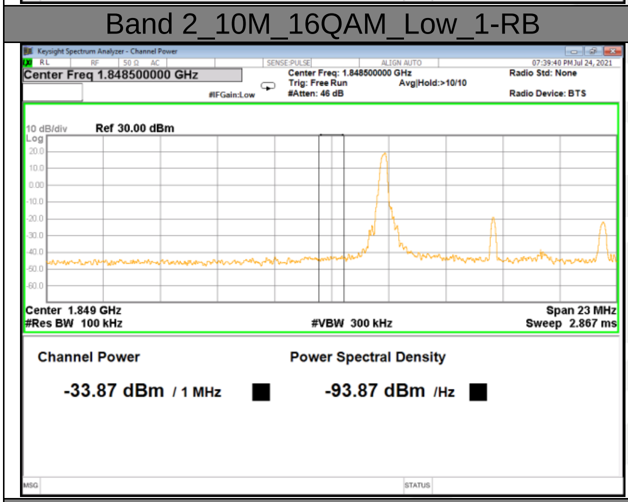
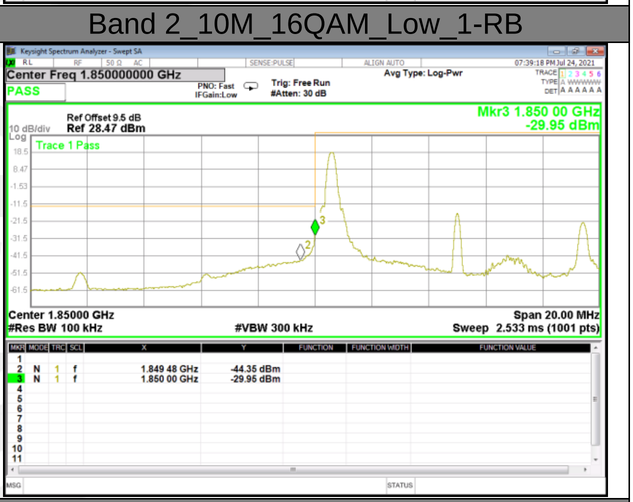
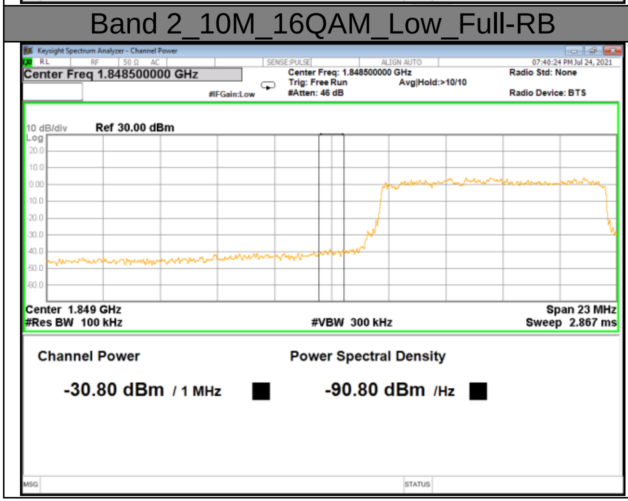
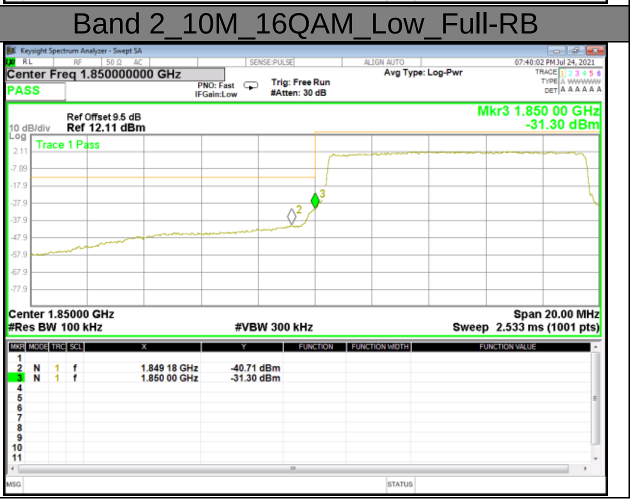
Ref Offset 9.5 dB
Ref 29.50 dBm

Mkr2 1.910 00 GHz
-31.54 dBm

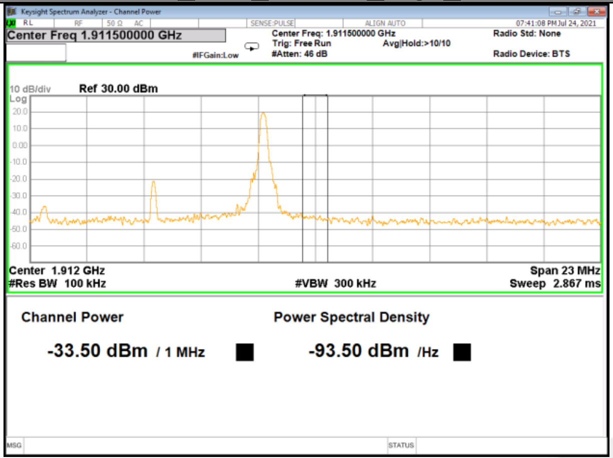
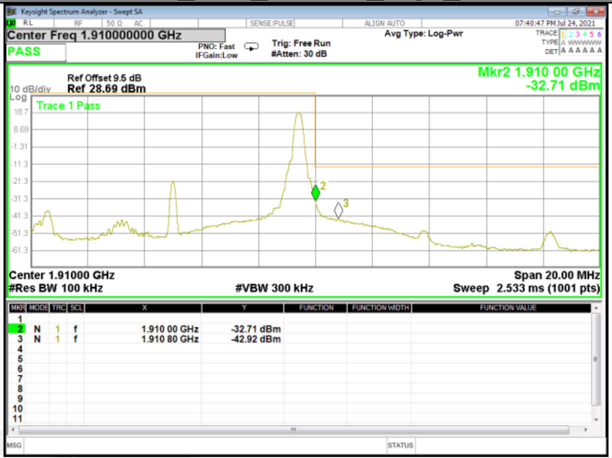
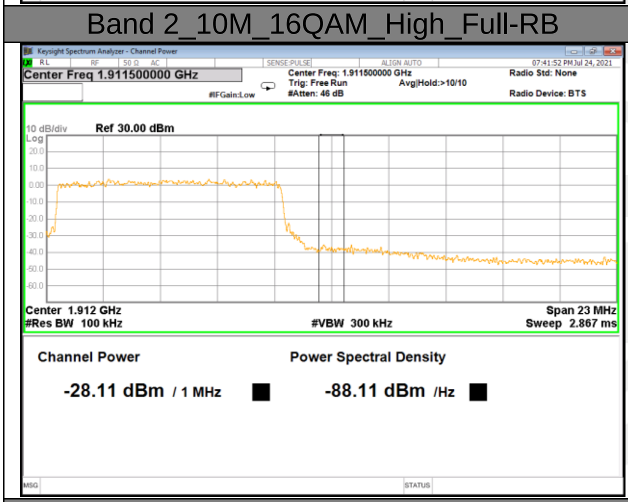
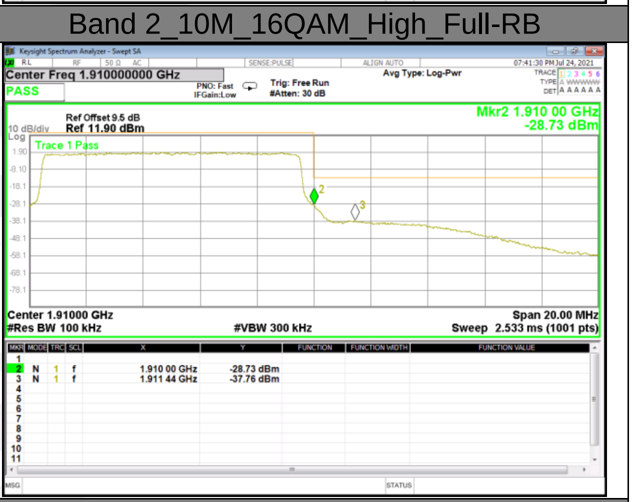
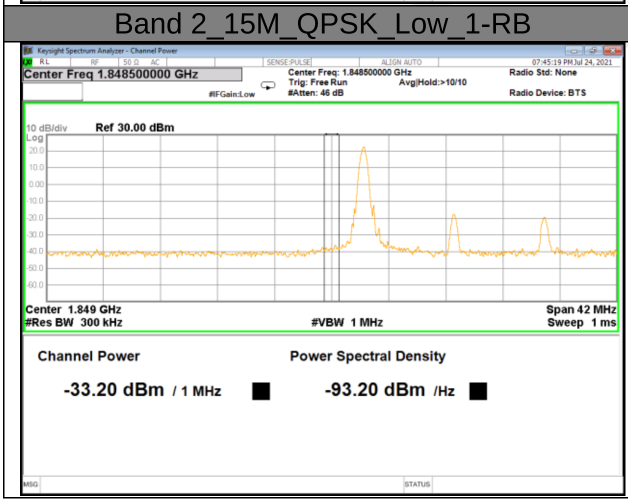
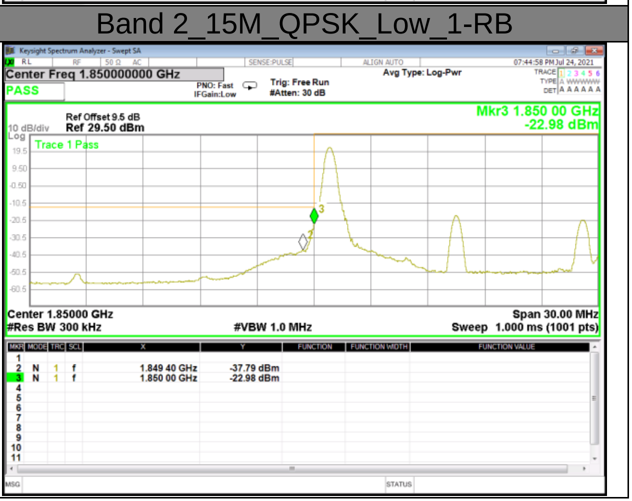
Center 1.91000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 20.00 MHz
Sweep 2.533 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1								
2	N	1	f	1.910 00 GHz	-31.54 dBm			
3	N	1	f	1.910 60 GHz	-41.88 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

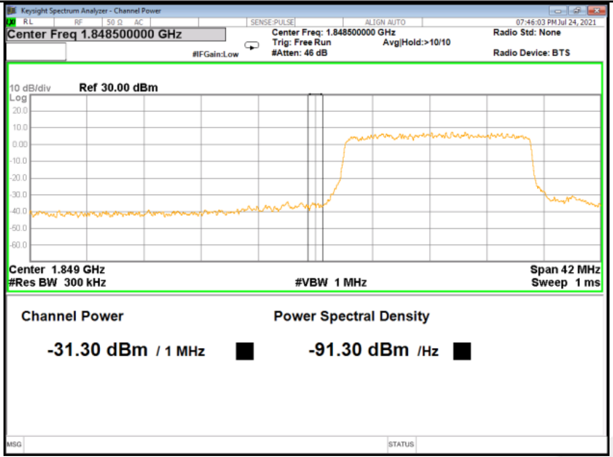
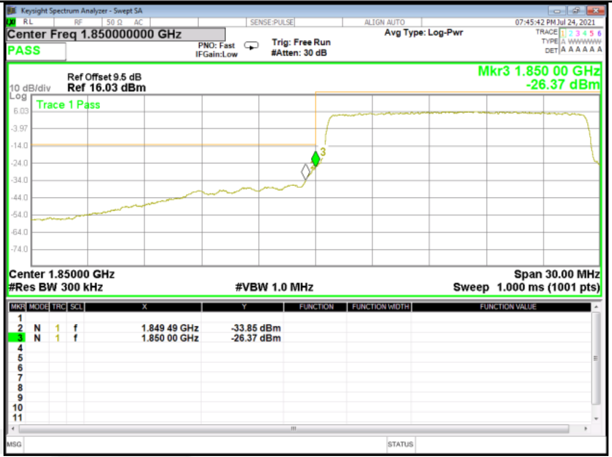
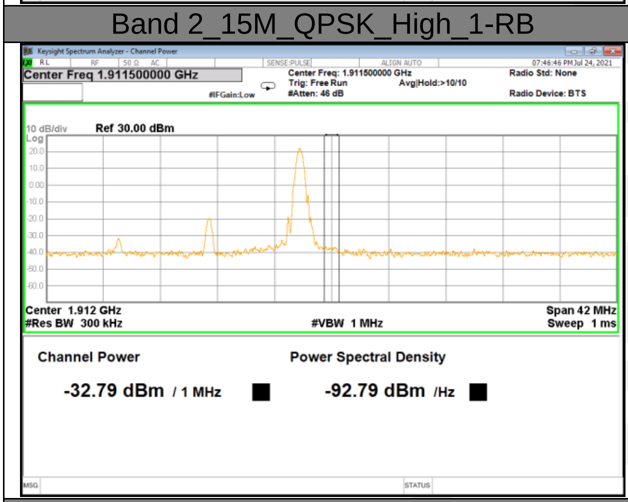
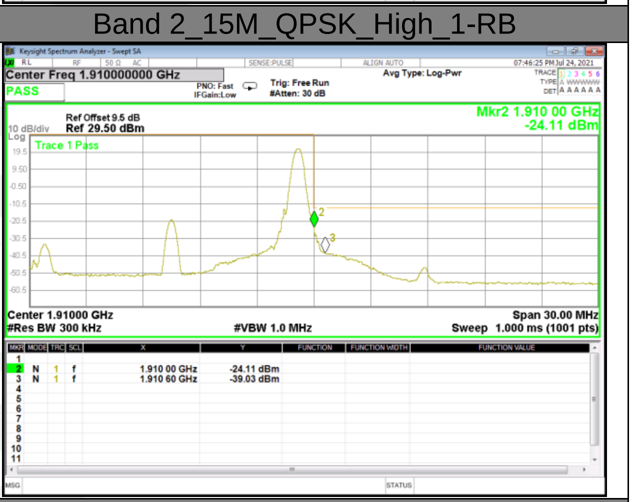
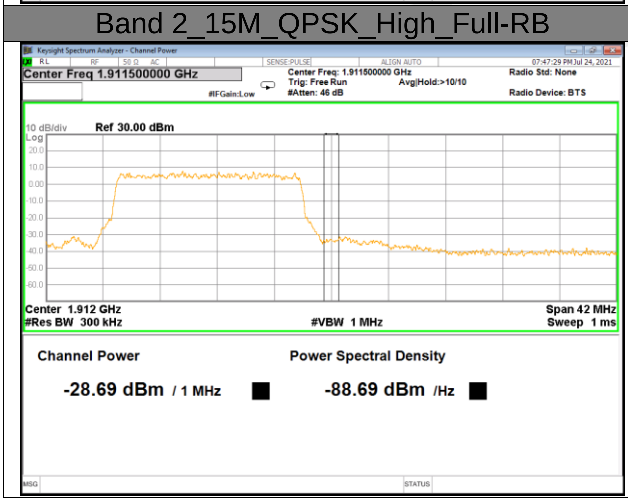
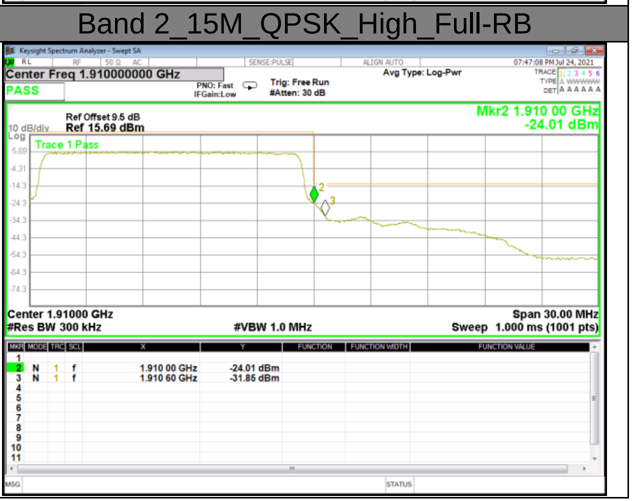
LTE BAND-2

LTE BAND-2	
Band 2_10M_QPSK_High_Full-RB	Band 2_10M_QPSK_High_Full-RB
 Keysight Spectrum Analyzer - Channel Power 07:36:15 PM Jul 24, 2021 Center Freq 1.911500000 GHz Center Freq: 1.911500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB #IFGain:Low Radio Std: None Radio Device: BTS 10 dB/div Ref 30.00 dBm Center 1.912 GHz #Res BW 100 kHz #VBW 300 kHz Span 23 MHz Sweep 2.867 ms Channel Power: -26.33 dBm / 1 MHz Power Spectral Density: -86.33 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 07:35:54 PM Jul 24, 2021 Center Freq 1.910000000 GHz PASS PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Ref Offset 9.5 dB 10 dB/div Ref 12.59 dBm Mkr2 1.910 00 GHz -26.50 dBm Trace 1 Pass Center 1.91000 GHz #Res BW 100 kHz #VBW 300 kHz Span 20.00 MHz Sweep 2.533 ms (1001 pts) 2 N 1 f 1.910 00 GHz -26.50 dBm 3 N 1 f 1.911 22 GHz -36.34 dBm
Band 2_10M_16QAM_Low_1-RB	Band 2_10M_16QAM_Low_1-RB
 Keysight Spectrum Analyzer - Channel Power 07:39:40 PM Jul 24, 2021 Center Freq 1.848500000 GHz Center Freq: 1.848500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB #IFGain:Low Radio Std: None Radio Device: BTS 10 dB/div Ref 30.00 dBm Center 1.849 GHz #Res BW 100 kHz #VBW 300 kHz Span 23 MHz Sweep 2.867 ms Channel Power: -33.87 dBm / 1 MHz Power Spectral Density: -93.87 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 07:39:18 PM Jul 24, 2021 Center Freq 1.850000000 GHz PASS PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Ref Offset 9.5 dB 10 dB/div Ref 28.47 dBm Mkr3 1.850 00 GHz -29.95 dBm Trace 1 Pass Center 1.85000 GHz #Res BW 100 kHz #VBW 300 kHz Span 20.00 MHz Sweep 2.533 ms (1001 pts) 2 N 1 f 1.849 48 GHz -44.35 dBm 3 N 1 f 1.850 00 GHz -29.95 dBm
Band 2_10M_16QAM_Low_Full-RB	Band 2_10M_16QAM_Low_Full-RB
 Keysight Spectrum Analyzer - Channel Power 07:40:24 PM Jul 24, 2021 Center Freq 1.848500000 GHz Center Freq: 1.848500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB #IFGain:Low Radio Std: None Radio Device: BTS 10 dB/div Ref 30.00 dBm Center 1.849 GHz #Res BW 100 kHz #VBW 300 kHz Span 23 MHz Sweep 2.867 ms Channel Power: -30.80 dBm / 1 MHz Power Spectral Density: -90.80 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 07:40:02 PM Jul 24, 2021 Center Freq 1.850000000 GHz PASS PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Ref Offset 9.5 dB 10 dB/div Ref 12.11 dBm Mkr3 1.850 00 GHz -31.30 dBm Trace 1 Pass Center 1.85000 GHz #Res BW 100 kHz #VBW 300 kHz Span 20.00 MHz Sweep 2.533 ms (1001 pts) 2 N 1 f 1.849 18 GHz -40.71 dBm 3 N 1 f 1.850 00 GHz -31.30 dBm

LTE BAND-2

LTE BAND-2	
Band 2_10M_16QAM_High_1-RB	Band 2_10M_16QAM_High_1-RB
 Keysight Spectrum Analyzer - Channel Power 07:41:08 PM Jul 24, 2021 Center Freq 1.911500000 GHz Center Freq: 1.911500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB #IFGain:Low Radio Std: None Radio Device: BTS 10 dB/div Ref 30.00 dBm Center 1.912 GHz #Res BW 100 kHz #VBW 300 kHz Span 23 MHz Sweep 2.867 ms Channel Power -33.50 dBm / 1 MHz Power Spectral Density -93.50 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 07:40:47 PM Jul 24, 2021 Center Freq 1.910000000 GHz PASS PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Ref Offset 9.5 dB 10 dB/div Ref 28.69 dBm Trace 1 Pass Mkr2 1.910 00 GHz -32.71 dBm Center 1.91000 GHz #Res BW 100 kHz #VBW 300 kHz Span 20.00 MHz Sweep 2.533 ms (1001 pts) 2 N 1 f 1.910 00 GHz -32.71 dBm 3 N 1 f 1.910 80 GHz -42.92 dBm
Band 2_10M_16QAM_High_Full-RB	Band 2_10M_16QAM_High_Full-RB
 Keysight Spectrum Analyzer - Channel Power 07:41:52 PM Jul 24, 2021 Center Freq 1.911500000 GHz Center Freq: 1.911500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB #IFGain:Low Radio Std: None Radio Device: BTS 10 dB/div Ref 30.00 dBm Center 1.912 GHz #Res BW 100 kHz #VBW 300 kHz Span 23 MHz Sweep 2.867 ms Channel Power -28.11 dBm / 1 MHz Power Spectral Density -88.11 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 07:41:30 PM Jul 24, 2021 Center Freq 1.910000000 GHz PASS PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Ref Offset 9.5 dB 10 dB/div Ref 11.90 dBm Trace 1 Pass Mkr2 1.910 00 GHz -28.73 dBm Center 1.91000 GHz #Res BW 100 kHz #VBW 300 kHz Span 20.00 MHz Sweep 2.533 ms (1001 pts) 2 N 1 f 1.910 00 GHz -28.73 dBm 3 N 1 f 1.911 44 GHz -37.76 dBm
Band 2_15M_QPSK_Low_1-RB	Band 2_15M_QPSK_Low_1-RB
 Keysight Spectrum Analyzer - Channel Power 07:45:19 PM Jul 24, 2021 Center Freq 1.848500000 GHz Center Freq: 1.848500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB #IFGain:Low Radio Std: None Radio Device: BTS 10 dB/div Ref 30.00 dBm Center 1.849 GHz #Res BW 300 kHz #VBW 1 MHz Span 42 MHz Sweep 1 ms Channel Power -33.20 dBm / 1 MHz Power Spectral Density -93.20 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 07:44:58 PM Jul 24, 2021 Center Freq 1.850000000 GHz PASS PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Ref Offset 9.5 dB 10 dB/div Ref 29.50 dBm Trace 1 Pass Mkr3 1.850 00 GHz -22.98 dBm Center 1.85000 GHz #Res BW 300 kHz #VBW 1.0 MHz Span 30.00 MHz Sweep 1.000 ms (1001 pts) 2 N 1 f 1.849 40 GHz -37.79 dBm 3 N 1 f 1.850 00 GHz -22.98 dBm

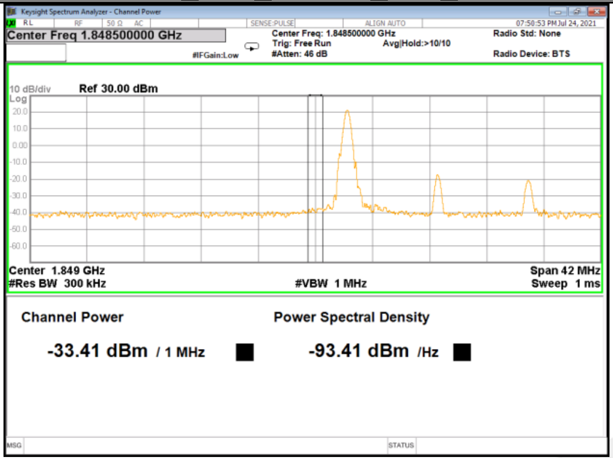
LTE BAND-2

LTE BAND-2	
Band 2_15M_QPSK_Low_Full-RB	Band 2_15M_QPSK_Low_Full-RB
 Keysight Spectrum Analyzer - Channel Power 07:46:03 PM Jul 24, 2021 Center Freq 1.848500000 GHz Center Freq: 1.848500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB Radio Std: None Radio Device: BTS Ref 30.00 dBm Center 1.849 GHz #Res BW 300 kHz #VBW 1 MHz Span 42 MHz Sweep 1 ms Channel Power -31.30 dBm / 1 MHz Power Spectral Density -91.30 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 07:45:42 PM Jul 24, 2021 Center Freq 1.850000000 GHz PASS Avg Type: Log-Pwr Trig: Free Run #Atten: 30 dB Ref Offset 9.5 dB Ref 16.03 dBm Mkr3 1.850 00 GHz -26.37 dBm Trace 1 Pass Center 1.85000 GHz #Res BW 300 kHz #VBW 1.0 MHz Span 30.00 MHz Sweep 1.000 ms (1001 pts) 2 N 1 f 1.849 49 GHz -33.85 dBm 3 N 1 f 1.850 00 GHz -26.37 dBm
Band 2_15M_QPSK_High_1-RB	Band 2_15M_QPSK_High_1-RB
 Keysight Spectrum Analyzer - Channel Power 07:46:46 PM Jul 24, 2021 Center Freq 1.911500000 GHz Center Freq: 1.911500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB Radio Std: None Radio Device: BTS Ref 30.00 dBm Center 1.912 GHz #Res BW 300 kHz #VBW 1 MHz Span 42 MHz Sweep 1 ms Channel Power -32.79 dBm / 1 MHz Power Spectral Density -92.79 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 07:46:25 PM Jul 24, 2021 Center Freq 1.910000000 GHz PASS Avg Type: Log-Pwr Trig: Free Run #Atten: 30 dB Ref Offset 9.5 dB Ref 29.50 dBm Mkr2 1.910 00 GHz -24.11 dBm Trace 1 Pass Center 1.91000 GHz #Res BW 300 kHz #VBW 1.0 MHz Span 30.00 MHz Sweep 1.000 ms (1001 pts) 2 N 1 f 1.910 00 GHz -24.11 dBm 3 N 1 f 1.910 60 GHz -39.03 dBm
Band 2_15M_QPSK_High_Full-RB	Band 2_15M_QPSK_High_Full-RB
 Keysight Spectrum Analyzer - Channel Power 07:47:29 PM Jul 24, 2021 Center Freq 1.911500000 GHz Center Freq: 1.911500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB Radio Std: None Radio Device: BTS Ref 30.00 dBm Center 1.912 GHz #Res BW 300 kHz #VBW 1 MHz Span 42 MHz Sweep 1 ms Channel Power -28.69 dBm / 1 MHz Power Spectral Density -88.69 dBm /Hz	 Keysight Spectrum Analyzer - Swept SA 07:47:08 PM Jul 24, 2021 Center Freq 1.910000000 GHz PASS Avg Type: Log-Pwr Trig: Free Run #Atten: 30 dB Ref Offset 9.5 dB Ref 15.69 dBm Mkr2 1.910 00 GHz -24.01 dBm Trace 1 Pass Center 1.91000 GHz #Res BW 300 kHz #VBW 1.0 MHz Span 30.00 MHz Sweep 1.000 ms (1001 pts) 2 N 1 f 1.910 00 GHz -24.01 dBm 3 N 1 f 1.910 60 GHz -31.85 dBm

LTE BAND-2

LTE BAND-2

Band 2_15M_16QAM_Low_1-RB


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω
AC
SENSE:PULSE
ALIGN AUTO
10 dB/div
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
MSG
STATUS

07:50:53 PM Jul 24, 2021

Center Freq 1.848500000 GHz

#IFGain:Low

Center Freq: 1.848500000 GHz
Trig: Free Run
#Atten: 46 dB
Avg|Hold:>10/10
Radio Std: None
Radio Device: BTS

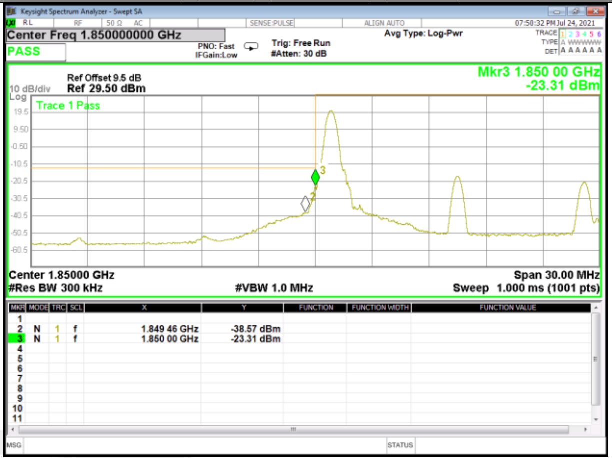
Ref 30.00 dBm

Center 1.849 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 42 MHz
Sweep 1 ms

Channel Power -33.41 dBm / 1 MHz

Power Spectral Density -93.41 dBm /Hz

Band 2_15M_16QAM_Low_1-RB


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω
AC
SENSE:PULSE
ALIGN AUTO
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A A A A A A
10 dB/div
Log
19.5
9.50
-0.50
-10.5
-20.5
-30.5
-40.5
-50.5
-60.5
3
2
MSG
STATUS

07:50:32 PM Jul 24, 2021

Center Freq 1.850000000 GHz

PASS

PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr

Ref Offset 9.5 dB
Ref 29.50 dBm

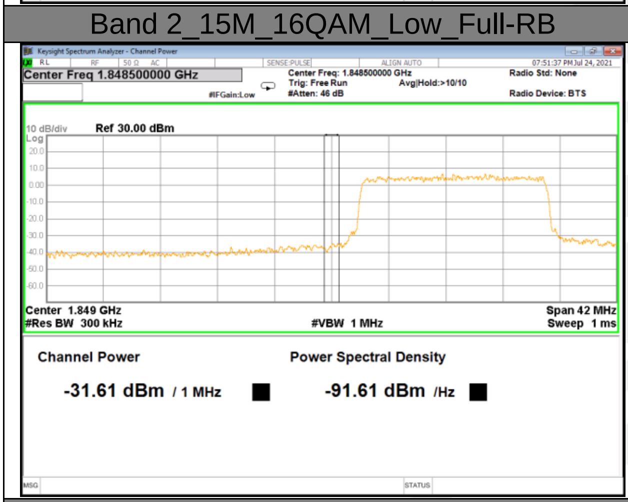
Mkr3 1.850 00 GHz
-23.31 dBm

Trace 1 Pass

Center 1.85000 GHz
#Res BW 300 kHz
#VBW 1.0 MHz
Span 30.00 MHz
Sweep 1.000 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1								
2	N	1	f	1.849 46 GHz	-38.57 dBm			
3	N	1	f	1.850 00 GHz	-23.31 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

Band 2_15M_16QAM_Low_Full-RB


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω
AC
SENSE:PULSE
ALIGN AUTO
10 dB/div
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
MSG
STATUS

07:51:37 PM Jul 24, 2021

Center Freq 1.848500000 GHz

#IFGain:Low

Center Freq: 1.848500000 GHz
Trig: Free Run
#Atten: 46 dB
Avg|Hold:>10/10
Radio Std: None
Radio Device: BTS

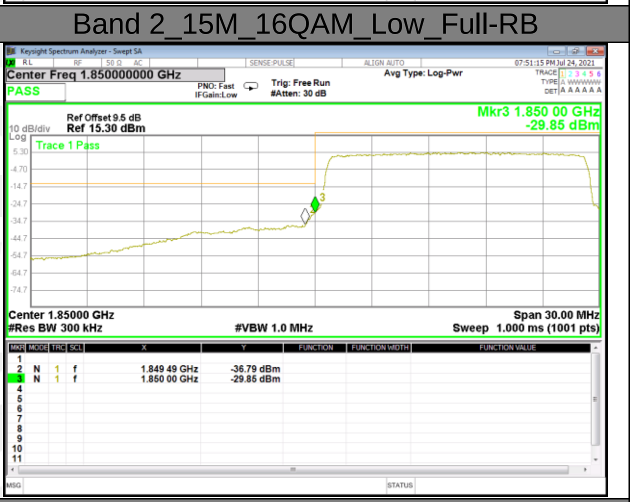
Ref 30.00 dBm

Center 1.849 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 42 MHz
Sweep 1 ms

Channel Power -31.61 dBm / 1 MHz

Power Spectral Density -91.61 dBm /Hz

Band 2_15M_16QAM_Low_Full-RB


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω
AC
SENSE:PULSE
ALIGN AUTO
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A A A A A A
10 dB/div
Log
5.30
-4.70
-14.7
-24.7
-34.7
-44.7
-54.7
-64.7
-74.7
3
MSG
STATUS

07:51:15 PM Jul 24, 2021

Center Freq 1.850000000 GHz

PASS

PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr

Ref Offset 9.5 dB
Ref 15.30 dBm

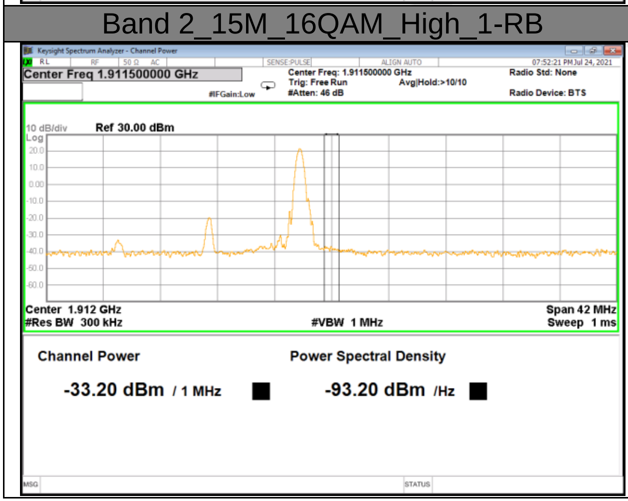
Mkr3 1.850 00 GHz
-29.85 dBm

Trace 1 Pass

Center 1.85000 GHz
#Res BW 300 kHz
#VBW 1.0 MHz
Span 30.00 MHz
Sweep 1.000 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1								
2	N	1	f	1.849 49 GHz	-36.79 dBm			
3	N	1	f	1.850 00 GHz	-29.85 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

Band 2_15M_16QAM_High_1-RB


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω
AC
SENSE:PULSE
ALIGN AUTO
10 dB/div
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
MSG
STATUS

07:52:21 PM Jul 24, 2021

Center Freq 1.911500000 GHz

#IFGain:Low

Center Freq: 1.911500000 GHz
Trig: Free Run
#Atten: 46 dB
Avg|Hold:>10/10
Radio Std: None
Radio Device: BTS

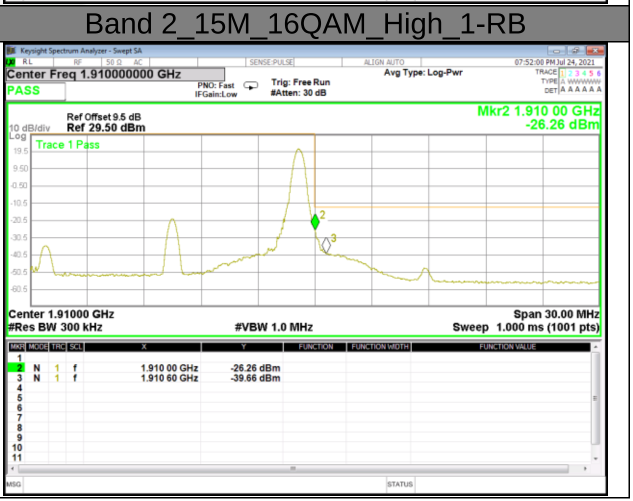
Ref 30.00 dBm

Center 1.912 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 42 MHz
Sweep 1 ms

Channel Power -33.20 dBm / 1 MHz

Power Spectral Density -93.20 dBm /Hz

Band 2_15M_16QAM_High_1-RB


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω
AC
SENSE:PULSE
ALIGN AUTO
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A A A A A A
10 dB/div
Log
19.5
9.50
-0.50
-10.5
-20.5
-30.5
-40.5
-50.5
-60.5
2
3
MSG
STATUS

07:52:00 PM Jul 24, 2021

Center Freq 1.910000000 GHz

PASS

PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr

Ref Offset 9.5 dB
Ref 29.50 dBm

Mkr2 1.910 00 GHz
-26.26 dBm

Trace 1 Pass

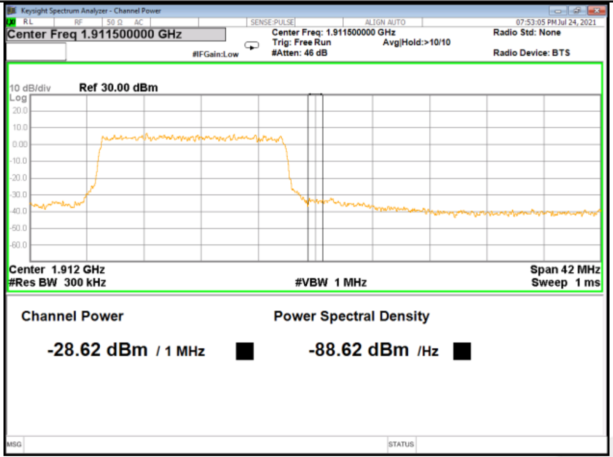
Center 1.91000 GHz
#Res BW 300 kHz
#VBW 1.0 MHz
Span 30.00 MHz
Sweep 1.000 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1								
2	N	1	f	1.910 00 GHz	-26.26 dBm			
3	N	1	f	1.910 60 GHz	-39.66 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

LTE BAND-2

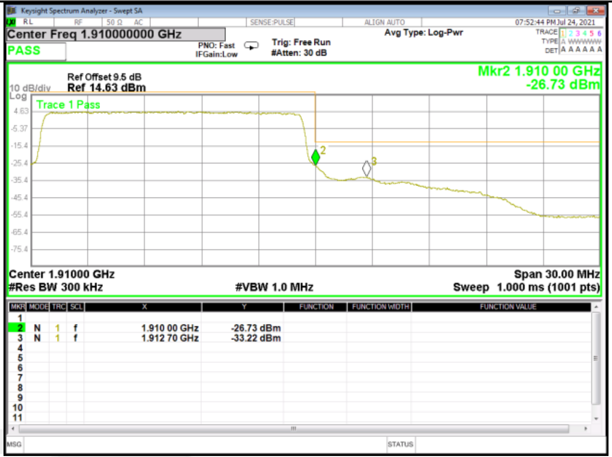
LTE BAND-2

Band 2_15M_16QAM_High_Full-RB


Keysight Spectrum Analyzer - Channel Power
07:53:05 PM Jul 24, 2021
Center Freq 1.911500000 GHz
Center Freq: 1.911500000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 46 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
10 dB/div Ref 30.00 dBm
Center 1.912 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 42 MHz
Sweep 1 ms

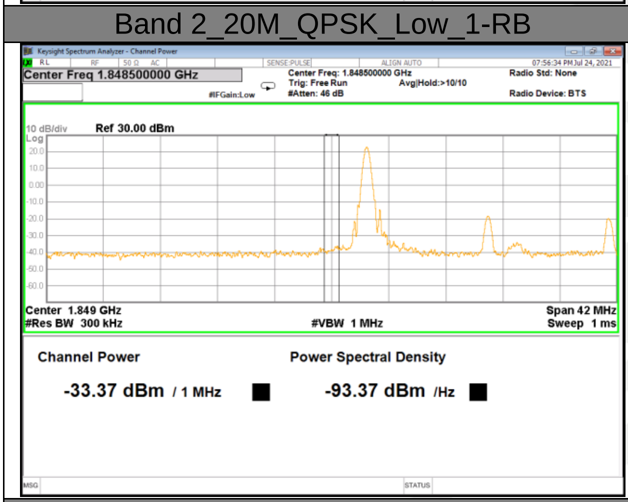
Channel Power: -28.62 dBm / 1 MHz
Power Spectral Density: -88.62 dBm /Hz

Band 2_15M_16QAM_High_Full-RB


Keysight Spectrum Analyzer - Swept SA
07:52:44 PM Jul 24, 2021
Center Freq 1.910000000 GHz
PASS
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Ref Offset 9.5 dB
10 dB/div Ref 14.63 dBm
Mkr2 1.910 00 GHz -26.73 dBm
Trace 1 Pass
Center 1.91000 GHz
#Res BW 300 kHz
#VBW 1.0 MHz
Span 30.00 MHz
Sweep 1.000 ms (1001 pts)

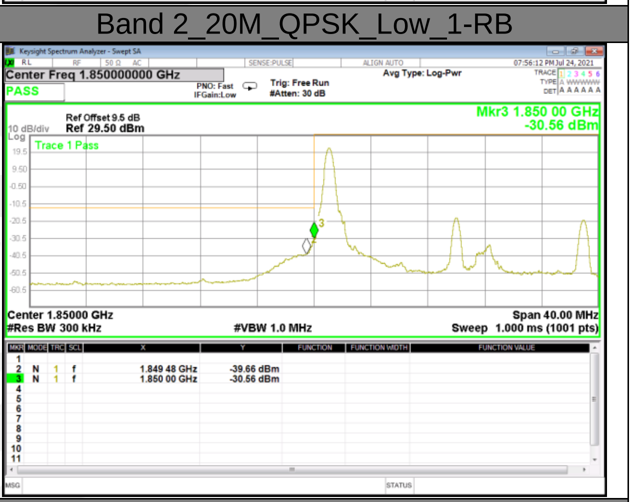
MKR	MODE	TRC	SCL	X	Y
2	N	1	f	1.910 00 GHz	-26.73 dBm
3	N	1	f	1.912 70 GHz	-33.22 dBm

Band 2_20M_QPSK_Low_1-RB


Keysight Spectrum Analyzer - Channel Power
07:56:34 PM Jul 24, 2021
Center Freq 1.848500000 GHz
Center Freq: 1.848500000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 46 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
10 dB/div Ref 30.00 dBm
Center 1.849 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 42 MHz
Sweep 1 ms

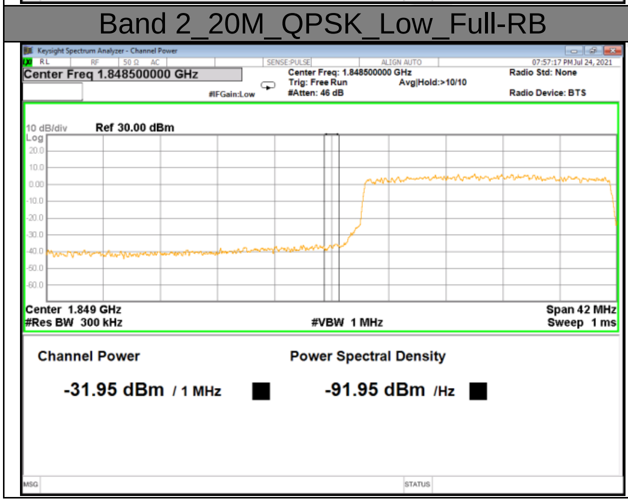
Channel Power: -33.37 dBm / 1 MHz
Power Spectral Density: -93.37 dBm /Hz

Band 2_20M_QPSK_Low_1-RB


Keysight Spectrum Analyzer - Swept SA
07:56:12 PM Jul 24, 2021
Center Freq 1.850000000 GHz
PASS
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Ref Offset 9.5 dB
10 dB/div Ref 29.50 dBm
Mkr3 1.850 00 GHz -30.56 dBm
Trace 1 Pass
Center 1.85000 GHz
#Res BW 300 kHz
#VBW 1.0 MHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

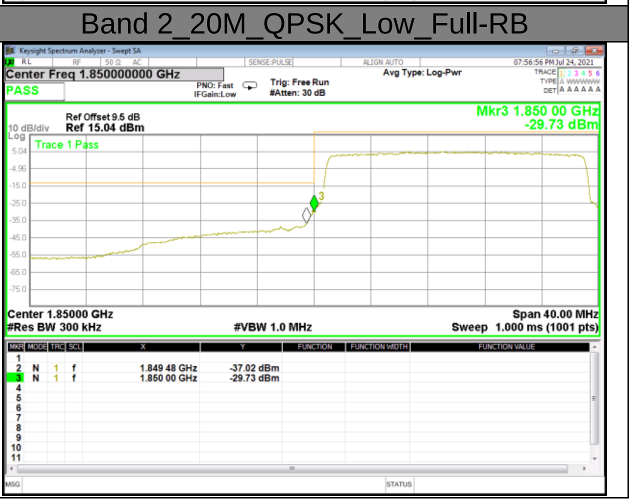
MKR	MODE	TRC	SCL	X	Y
2	N	1	f	1.849 48 GHz	-39.66 dBm
3	N	1	f	1.850 00 GHz	-30.56 dBm

Band 2_20M_QPSK_Low_Full-RB


Keysight Spectrum Analyzer - Channel Power
07:57:17 PM Jul 24, 2021
Center Freq 1.848500000 GHz
Center Freq: 1.848500000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 46 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
10 dB/div Ref 30.00 dBm
Center 1.849 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 42 MHz
Sweep 1 ms

Channel Power: -31.95 dBm / 1 MHz
Power Spectral Density: -91.95 dBm /Hz

Band 2_20M_QPSK_Low_Full-RB

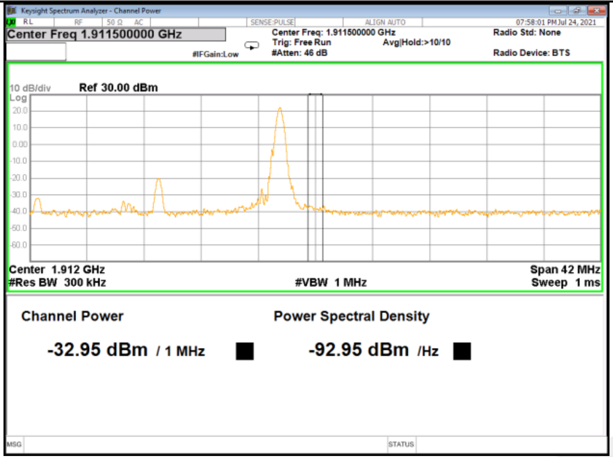

Keysight Spectrum Analyzer - Swept SA
07:56:56 PM Jul 24, 2021
Center Freq 1.850000000 GHz
PASS
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Ref Offset 9.5 dB
10 dB/div Ref 15.04 dBm
Mkr3 1.850 00 GHz -29.73 dBm
Trace 1 Pass
Center 1.85000 GHz
#Res BW 300 kHz
#VBW 1.0 MHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y
2	N	1	f	1.849 48 GHz	-37.02 dBm
3	N	1	f	1.850 00 GHz	-29.73 dBm

LTE BAND-2

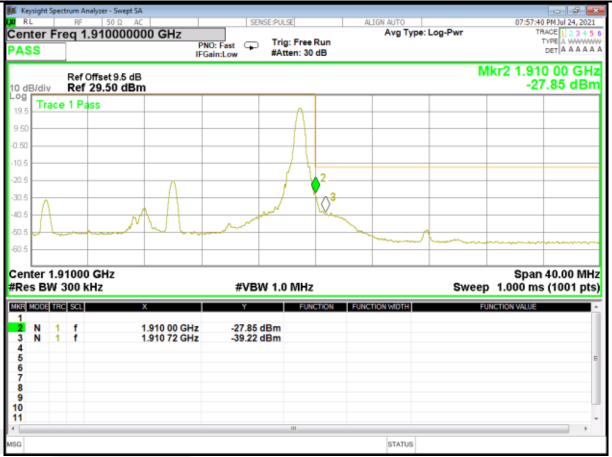
LTE BAND-2

Band 2_20M_QPSK_High_1-RB



Keysight Spectrum Analyzer - Channel Power 07:58:01 PM Jul 24, 2021
Center Freq 1.911500000 GHz
Center Freq: 1.911500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB
Radio Std: None Radio Device: BTS
10 dB/div Ref 30.00 dBm
Center 1.912 GHz #Res BW 300 kHz #VBW 1 MHz Span 42 MHz Sweep 1 ms
Channel Power: -32.95 dBm / 1 MHz
Power Spectral Density: -92.95 dBm /Hz

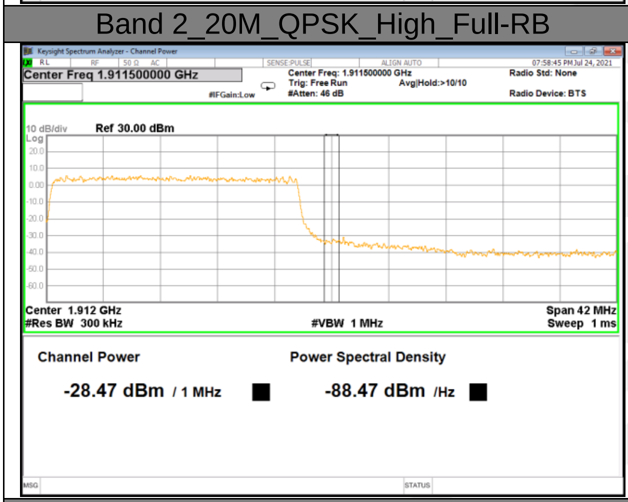
Band 2_20M_QPSK_High_1-RB



Keysight Spectrum Analyzer - Swept SA 07:57:40 PM Jul 24, 2021
Center Freq 1.910000000 GHz
PASS
PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr
Ref Offset 9.5 dB Ref 29.50 dBm 10 dB/div
Trace 1 Pass
Mkr2 1.910 00 GHz -27.85 dBm
Center 1.91000 GHz #Res BW 300 kHz #VBW 1.0 MHz Span 40.00 MHz Sweep 1.000 ms (1001 pts)

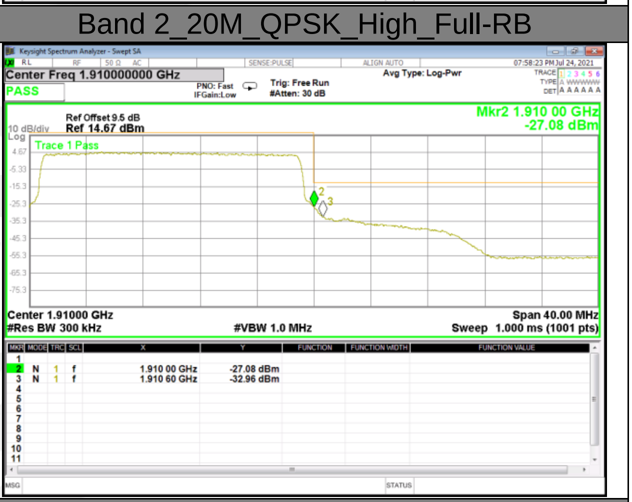
MKR	MODE	TRC	SCL	X	Y
2	N	1	f	1.910 00 GHz	-27.85 dBm
3	N	1	f	1.910 72 GHz	-39.22 dBm

Band 2_20M_QPSK_High_Full-RB



Keysight Spectrum Analyzer - Channel Power 07:58:45 PM Jul 24, 2021
Center Freq 1.911500000 GHz
Center Freq: 1.911500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB
Radio Std: None Radio Device: BTS
10 dB/div Ref 30.00 dBm
Center 1.912 GHz #Res BW 300 kHz #VBW 1 MHz Span 42 MHz Sweep 1 ms
Channel Power: -28.47 dBm / 1 MHz
Power Spectral Density: -88.47 dBm /Hz

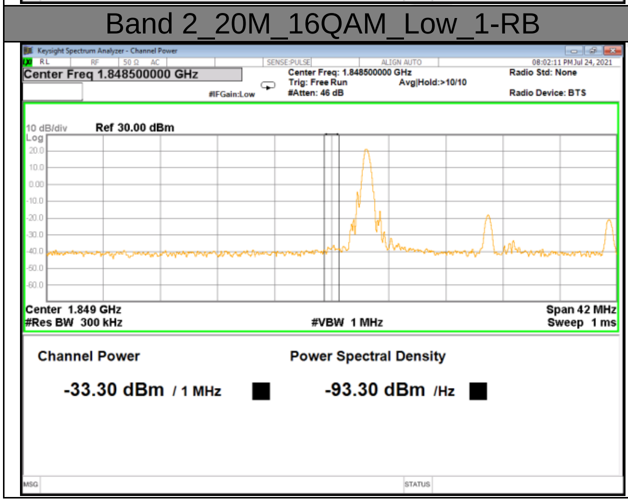
Band 2_20M_QPSK_High_Full-RB



Keysight Spectrum Analyzer - Swept SA 07:58:23 PM Jul 24, 2021
Center Freq 1.910000000 GHz
PASS
PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr
Ref Offset 9.5 dB Ref 14.67 dBm 10 dB/div
Trace 1 Pass
Mkr2 1.910 00 GHz -27.08 dBm
Center 1.91000 GHz #Res BW 300 kHz #VBW 1.0 MHz Span 40.00 MHz Sweep 1.000 ms (1001 pts)

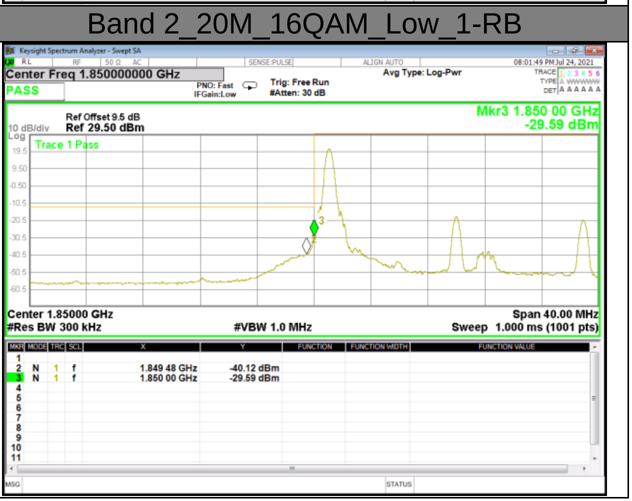
MKR	MODE	TRC	SCL	X	Y
2	N	1	f	1.910 00 GHz	-27.08 dBm
3	N	1	f	1.910 60 GHz	-32.96 dBm

Band 2_20M_16QAM_Low_1-RB



Keysight Spectrum Analyzer - Channel Power 08:02:11 PM Jul 24, 2021
Center Freq 1.848500000 GHz
Center Freq: 1.848500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 46 dB
Radio Std: None Radio Device: BTS
10 dB/div Ref 30.00 dBm
Center 1.849 GHz #Res BW 300 kHz #VBW 1 MHz Span 42 MHz Sweep 1 ms
Channel Power: -33.30 dBm / 1 MHz
Power Spectral Density: -93.30 dBm /Hz

Band 2_20M_16QAM_Low_1-RB



Keysight Spectrum Analyzer - Swept SA 08:01:49 PM Jul 24, 2021
Center Freq 1.850000000 GHz
PASS
PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr
Ref Offset 9.5 dB Ref 29.50 dBm 10 dB/div
Trace 1 Pass
Mkr3 1.850 00 GHz -29.59 dBm
Center 1.85000 GHz #Res BW 300 kHz #VBW 1.0 MHz Span 40.00 MHz Sweep 1.000 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y
2	N	1	f	1.849 48 GHz	-40.12 dBm
3	N	1	f	1.850 00 GHz	-29.59 dBm