



Adjust Spectrum Analyzer - Spurious Emissions

RL RF Freq Span AC ALPH AUTO

Center Freq 13.255000000 GHz

PASS

Ref Offset 13.63 dB
Ref 25.00 dBm

Start 1.905 GHz

Stop 1.93 GHz

Spur Range Start Freq Stop Freq RBW Frequency Amplitude Δ Limit

1 1 1.9050 GHz 1.9150 GHz 100.0 kHz 1.910300000 GHz -18.94 dBm -11.06 dB

2 2 1.9150 GHz 1.9160 GHz 51.00 kHz 1.915016667 GHz -42.31 dBm -29.31 dB

3 3 1.9160 GHz 1.9300 GHz 1.000 MHz 1.916823333 GHz -22.80 dBm -9.780 dB

Center Freq 13.255000000 GHz

Trig: Free Run

#Att: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

06:04:35 AM Aug 17, 2024

MS1

STATUS

Adjust Spectrum Analyzer - Spurious Emissions

RL RF Freq Span AC ALPH AUTO

Center Freq 13.255000000 GHz

PASS

Ref Offset 13.63 dB
Ref 25.00 dBm

Start 1.905 GHz

Stop 1.93 GHz

Spur Range Start Freq Stop Freq RBW Frequency Amplitude Δ Limit

1 1 1.9050 GHz 1.9150 GHz 100.0 kHz 1.914800000 GHz -18.78 dBm -11.22 dB

2 2 1.9150 GHz 1.9160 GHz 51.00 kHz 1.915016667 GHz -23.11 dBm -10.11 dB

3 3 1.9160 GHz 1.9300 GHz 1.000 MHz 1.916486667 GHz -36.32 dBm -23.32 dB

Center Freq 13.255000000 GHz

Trig: Free Run

#Att: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

06:04:43 AM Aug 17, 2024

MS1

STATUS

Adjust Spectrum Analyzer - Spurious Emissions

RL RF Freq Span AC ALPH AUTO

Center Freq 13.255000000 GHz

PASS

Ref Offset 13.63 dB
Ref 25.00 dBm

Start 1.905 GHz

Stop 1.93 GHz

Spur Range Start Freq Stop Freq RBW Frequency Amplitude Δ Limit

1 1 1.9050 GHz 1.9150 GHz 100.0 kHz 1.916333333 GHz -14.74 dBm -25.23 dB

2 2 1.9150 GHz 1.9160 GHz 51.00 kHz 1.915041667 GHz -33.87 dBm -20.87 dB

3 3 1.9160 GHz 1.9300 GHz 1.000 MHz 1.916373333 GHz -24.97 dBm -11.97 dB

Center Freq 13.255000000 GHz

Trig: Free Run

#Att: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

06:05:01 AM Aug 17, 2024

MS1

STATUS

Adjust Spectrum Analyzer - Spurious Emissions

RL RF Freq Span AC ALPH AUTO

Center Freq 13.255000000 GHz

PASS

Ref Offset 13.63 dB
Ref 25.00 dBm

Start 1.905 GHz

Stop 1.93 GHz

Spur Range Start Freq Stop Freq RBW Frequency Amplitude Δ Limit

1 1 1.9050 GHz 1.9150 GHz 100.0 kHz 1.916333333 GHz -13.98 dBm -18.11 dB

2 2 1.9150 GHz 1.9160 GHz 51.00 kHz 1.915638333 GHz -49.04 dBm -47.04 dB

3 3 1.9160 GHz 1.9300 GHz 1.000 MHz 1.920456667 GHz -47.94 dBm -34.94 dB

Center Freq 13.255000000 GHz

Trig: Free Run

#Att: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

06:05:10 AM Aug 17, 2024

MS1

STATUS

Adjust Spectrum Analyzer - Spurious Emissions

RL RF Freq Span AC ALPH AUTO

Center Freq 13.255000000 GHz

PASS

Ref Offset 13.63 dB
Ref 25.00 dBm

Start 1.905 GHz

Stop 1.93 GHz

Spur Range Start Freq Stop Freq RBW Frequency Amplitude Δ Limit

1 1 1.9050 GHz 1.9150 GHz 100.0 kHz 1.914800000 GHz -18.78 dBm -11.22 dB

2 2 1.9150 GHz 1.9160 GHz 51.00 kHz 1.915120000 GHz -38.97 dBm -23.97 dB

3 3 1.9160 GHz 1.9300 GHz 1.000 MHz 1.916560000 GHz -26.65 dBm -13.65 dB

Center Freq 13.255000000 GHz

Trig: Free Run

#Att: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

06:05:50 AM Aug 17, 2024

MS1

STATUS

Adjust Spectrum Analyzer - Spurious Emissions

RL RF Freq Span AC ALPH AUTO

Center Freq 13.255000000 GHz

PASS

Ref Offset 13.63 dB
Ref 25.00 dBm

Start 1.905 GHz

Stop 1.93 GHz

Spur Range Start Freq Stop Freq RBW Frequency Amplitude Δ Limit

1 1 1.9050 GHz 1.9150 GHz 100.0 kHz 1.910300000 GHz -13.98 dBm -18.11 dB

2 2 1.9150 GHz 1.9160 GHz 51.00 kHz 1.915120000 GHz -38.97 dBm -23.97 dB

3 3 1.9160 GHz 1.9300 GHz 1.000 MHz 1.916560000 GHz -26.65 dBm -13.65 dB

Center Freq 13.255000000 GHz

Trig: Free Run

#Att: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

06:05:50 AM Aug 17, 2024

MS1

STATUS

Adjust Spectrum Analyzer - Spurious Emissions

RL RF Freq Span AC ALPH AUTO

Center Freq 13.255000000 GHz

PASS

Ref Offset 13.61 dB
Ref 25.00 dBm

Start 1.845 GHz

Stop 1.86 GHz

Spur Range Start Freq Stop Freq RBW Frequency Amplitude Δ Limit

1 1 1.8450 GHz 1.8490 GHz 1.000 MHz 1.848100000 GHz -30.24 dBm -17.24 dB

2 2 1.8490 GHz 1.8500 GHz 51.00 kHz 1.849996667 GHz -20.66 dBm -7.661 dB

3 3 1.8500 GHz 1.8600 GHz 100.0 kHz 1.850316667 GHz -20.14 dBm -9.860 dB

Center Freq 13.255000000 GHz

Trig: Free Run

#Att: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

06:06:35 AM Aug 17, 2024

MS1

STATUS

Adjust Spectrum Analyzer - Spurious Emissions

RL RF Freq Span AC ALPH AUTO

Center Freq 13.255000000 GHz

PASS

Ref Offset 13.61 dB
Ref 25.00 dBm

Start 1.845 GHz

Stop 1.86 GHz

Spur Range Start Freq Stop Freq RBW Frequency Amplitude Δ Limit

1 1 1.8450 GHz 1.8490 GHz 1.000 MHz 1.848200000 GHz -20.03 dBm -7.006 dB

2 2 1.8490 GHz 1.8500 GHz 51.00 kHz 1.849993333 GHz -22.54 dBm -9.541 dB

3 3 1.8500 GHz 1.8600 GHz 100.0 kHz 1.854633333 GHz -19.83 dBm -10.17 dB

Center Freq 13.255000000 GHz

Trig: Free Run

#Att: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

06:07:13 AM Aug 17, 2024

MS1

STATUS

Adjust Spectrum Analyzer - Spurious Emissions

RL RF Freq Span AC ALPH AUTO

Center Freq 13.255000000 GHz

PASS

Ref Offset 13.61 dB
Ref 25.00 dBm

Start 1.845 GHz

Stop 1.86 GHz

Spur Range Start Freq Stop Freq RBW Frequency Amplitude Δ Limit

1 1 1.8450 GHz 1.8490 GHz 1.000 MHz 1.848100000 GHz -35.42 dBm -22.42 dB

2 2 1.8490 GHz 1.8500 GHz 51.00 kHz 1.849993333 GHz -31.81 dBm -18.81 dB

3 3 1.8500 GHz 1.8600 GHz 100.0 kHz 1.851900000 GHz -5.235 dBm -24.78 dB

Center Freq 13.255000000 GHz

Trig: Free Run

#Att: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

06:07:31 AM Aug 17, 2024

MS1

STATUS

Adjust Spectrum Analyzer - Spurious Emissions

RL RF Freq Span AC ALPH AUTO

Center Freq 13.255000000 GHz

PASS

Ref Offset 13.61 dB
Ref 25.00 dBm

Start 1.845 GHz

Stop 1.86 GHz

Spur Range Start Freq Stop Freq RBW Frequency Amplitude Δ Limit

1 1 1.8450 GHz 1.8490 GHz 1.000 MHz 1.848100000 GHz -35.42 dBm -22.42 dB

2 2 1.8490 GHz 1.8500 GHz 51.00 kHz 1.849993333 GHz -31.81 dBm -18.81 dB

3 3 1.8500 GHz 1.8600 GHz 100.0 kHz 1.850366667 GHz -18.47 dBm -11.53 dB

Center Freq 13.255000000 GHz

Trig: Free Run

#Att: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

06:07:46 AM Aug 17, 2024

MS1

STATUS

Adjust Spectrum Analyzer - Spurious Emissions

RL RF Freq Span AC ALPH AUTO

Center Freq 13.255000000 GHz

PASS

Ref Offset 13.61 dB
Ref 25.00 dBm

Start 1.845 GHz

Stop 1.86 GHz

Spur Range Start Freq Stop Freq RBW Frequency Amplitude Δ Limit

1 1 1.8450 GHz 1.8490 GHz 1.000 MHz 1.848100000 GHz -35.42 dBm -22.42 dB

2 2 1.8490 GHz 1.8500 GHz 51.00 kHz 1.849993333 GHz -31.81 dBm -18.81 dB

3 3 1.8500 GHz 1.8600 GHz 100.0 kHz 1.850366667 GHz -18.47 dBm -11.53 dB

Center Freq 13.255000000 GHz

Trig: Free Run

#Att: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

06:07:46 AM Aug 17, 2024

MS1

STATUS



Band 25 5MHz/1852.5/Low 16QAM 1@24

Agilent Spectrum Analyzer - Spurious Emissions

RL RF FREQ BW AC ALPH AUTO 06:29:57 AM Aug 17, 2024

Center Freq 13.255000000 GHz

PASS

IF Gain: Low

Trig: Free Run

Attenu: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

Ref Offset 13.63 dB

Ref 25.00 dBm

10 dB/div

Log

Start 1.89 GHz

Stop 1.93 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8900 GHz	1.9150 GHz	100.0 kHz	1.909083333 GHz	-15.00 dBm	-11.19 dB
2	2	1.9150 GHz	1.9160 GHz	200.0 kHz	1.915003333 GHz	-44.09 dBm	-31.09 dB
3	3	1.9160 GHz	1.9300 GHz	1.000 MHz	1.917400000 GHz	-44.16 dBm	-31.16 dB

MMSI

STATUS

Band 25 5MHz/1852.5/Low 16QAM 25@0

Agilent Spectrum Analyzer - Spurious Emissions

RL RF FREQ BW AC ALPH AUTO 06:30:54 AM Aug 17, 2024

Center Freq 13.255000000 GHz

PASS

IF Gain: Low

Trig: Free Run

Attenu: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

Ref Offset 13.63 dB

Ref 25.00 dBm

10 dB/div

Log

Start 1.89 GHz

Stop 1.93 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8900 GHz	1.9150 GHz	100.0 kHz	1.913216667 GHz	-18.81 dBm	-11.19 dB
2	2	1.9150 GHz	1.9160 GHz	200.0 kHz	1.915008333 GHz	-23.68 dBm	-10.68 dB
3	3	1.9160 GHz	1.9300 GHz	1.000 MHz	1.916116667 GHz	-35.96 dBm	-22.96 dB

MMSI

STATUS

Band 25 20MHz/1905.0/High QPSK 1@0

Agilent Spectrum Analyzer - Spurious Emissions

RL RF FREQ BW AC ALPH AUTO 06:30:11 AM Aug 17, 2024

Center Freq 13.255000000 GHz

PASS

IF Gain: Low

Trig: Free Run

Attenu: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

Ref Offset 13.63 dB

Ref 25.00 dBm

10 dB/div

Log

Start 1.89 GHz

Stop 1.93 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8900 GHz	1.9150 GHz	100.0 kHz	1.904333333 GHz	-0.940 dBm	-30.95 dB
2	2	1.9150 GHz	1.9160 GHz	200.0 kHz	1.915011667 GHz	-34.11 dBm	-21.11 dB
3	3	1.9160 GHz	1.9300 GHz	1.000 MHz	1.916700000 GHz	-29.42 dBm	-16.42 dB

MMSI

STATUS

Band 25 20MHz/1905.0/High QPSK 1@99

Agilent Spectrum Analyzer - Spurious Emissions

RL RF FREQ BW AC ALPH AUTO 06:30:35 AM Aug 17, 2024

Center Freq 13.255000000 GHz

PASS

IF Gain: Low

Trig: Free Run

Attenu: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

Ref Offset 13.63 dB

Ref 25.00 dBm

10 dB/div

Log

Start 1.89 GHz

Stop 1.93 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8900 GHz	1.9150 GHz	100.0 kHz	1.899083333 GHz	-17.81 dBm	-12.19 dB
2	2	1.9150 GHz	1.9160 GHz	200.0 kHz	1.915018333 GHz	-46.78 dBm	-33.78 dB
3	3	1.9160 GHz	1.9300 GHz	1.000 MHz	1.917028667 GHz	-43.14 dBm	-30.14 dB

MMSI

STATUS

Band 25 20MHz/1905.0/High QPSK 100@0

Agilent Spectrum Analyzer - Spurious Emissions

RL RF FREQ BW AC ALPH AUTO 06:30:53 AM Aug 17, 2024

Center Freq 13.255000000 GHz

PASS

IF Gain: Low

Trig: Free Run

Attenu: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

Ref Offset 13.63 dB

Ref 25.00 dBm

10 dB/div

Log

Start 1.89 GHz

Stop 1.93 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8900 GHz	1.9150 GHz	100.0 kHz	1.913816667 GHz	-17.53 dBm	-12.47 dB
2	2	1.9150 GHz	1.9160 GHz	200.0 kHz	1.915043333 GHz	-25.02 dBm	-12.02 dB
3	3	1.9160 GHz	1.9300 GHz	1.000 MHz	1.916630000 GHz	-34.92 dBm	-21.92 dB

MMSI

STATUS

Band 25 20MHz/1905.0/High 16QAM 1@0

Agilent Spectrum Analyzer - Spurious Emissions

RL RF FREQ BW AC ALPH AUTO 06:31:04 AM Aug 17, 2024

Center Freq 13.255000000 GHz

PASS

IF Gain: Low

Trig: Free Run

Attenu: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

Ref Offset 13.63 dB

Ref 25.00 dBm

10 dB/div

Log

Start 1.89 GHz

Stop 1.93 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8900 GHz	1.9150 GHz	100.0 kHz	1.849993333 GHz	-1.960 dBm	-31.96 dB
2	2	1.9150 GHz	1.9160 GHz	200.0 kHz	1.915043333 GHz	-35.65 dBm	-22.65 dB
3	3	1.9160 GHz	1.9300 GHz	1.000 MHz	1.916210000 GHz	-31.44 dBm	-18.44 dB

MMSI

STATUS

Band 25 20MHz/1905.0/High 16QAM 1@99

Agilent Spectrum Analyzer - Spurious Emissions

RL RF FREQ BW AC ALPH AUTO 06:30:34 AM Aug 17, 2024

Center Freq 13.255000000 GHz

PASS

IF Gain: Low

Trig: Free Run

Attenu: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

Ref Offset 13.61 dB

Ref 25.00 dBm

10 dB/div

Log

Start 1.845 GHz

Stop 1.875 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8450 GHz	1.8490 GHz	1.000 MHz	1.847146667 GHz	-44.10 dBm	-31.10 dB
2	2	1.8490 GHz	1.8500 GHz	200.0 kHz	1.849995000 GHz	-40.08 dBm	-27.08 dB
3	3	1.8500 GHz	1.8750 GHz	100.0 kHz	1.868875000 GHz	-19.02 dBm	-10.98 dB

MMSI

STATUS

Band 25 20MHz/1905.0/High 16QAM 100@0

Agilent Spectrum Analyzer - Spurious Emissions

RL RF FREQ BW AC ALPH AUTO 06:30:51 AM Aug 17, 2024

Center Freq 13.255000000 GHz

PASS

IF Gain: Low

Trig: Free Run

Attenu: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

Ref Offset 13.61 dB

Ref 25.00 dBm

10 dB/div

Log

Start 1.845 GHz

Stop 1.875 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8450 GHz	1.8490 GHz	1.000 MHz	1.847146667 GHz	-44.10 dBm	-31.10 dB
2	2	1.8490 GHz	1.8500 GHz	200.0 kHz	1.849995000 GHz	-40.08 dBm	-27.08 dB
3	3	1.8500 GHz	1.8750 GHz	100.0 kHz	1.868875000 GHz	-19.02 dBm	-10.98 dB

MMSI

STATUS

Band 25 20MHz/1860.0/Low QPSK 1@0

Agilent Spectrum Analyzer - Spurious Emissions

RL RF FREQ BW AC ALPH AUTO 06:30:38 AM Aug 17, 2024

Center Freq 13.255000000 GHz

PASS

IF Gain: Low

Trig: Free Run

Attenu: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

Ref Offset 13.61 dB

Ref 25.00 dBm

10 dB/div

Log

Start 1.845 GHz

Stop 1.875 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8450 GHz	1.8490 GHz	1.000 MHz	1.847250000 GHz	-28.34 dBm	-15.34 dB
2	2	1.8490 GHz	1.8500 GHz	200.0 kHz	1.849076667 GHz	-31.72 dBm	-18.72 dB
3	3	1.8500 GHz	1.8750 GHz	100.0 kHz	1.851083333 GHz	-0.998 dBm	-31.00 dB

MMSI

STATUS

Band 25 20MHz/1860.0/Low QPSK 1@99

Agilent Spectrum Analyzer - Spurious Emissions

RL RF FREQ BW AC ALPH AUTO 06:30:49 AM Aug 17, 2024

Center Freq 13.255000000 GHz

PASS

IF Gain: Low

Trig: Free Run

Attenu: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

Ref Offset 13.61 dB

Ref 25.00 dBm

10 dB/div

Log

Start 1.845 GHz

Stop 1.875 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8450 GHz	1.8490 GHz	1.000 MHz	1.847146667 GHz	-45.19 dBm	-32.19 dB
2	2	1.8490 GHz	1.8500 GHz	200.0 kHz	1.849995000 GHz	-29.81 dBm	-16.81 dB
3	3	1.8500 GHz	1.8750 GHz	100.0 kHz	1.851083333 GHz	-14.52 dBm	-15.48 dB

MMSI

STATUS

Band 25 20MHz/1860.0/Low QPSK 100@0

Agilent Spectrum Analyzer - Spurious Emissions

RL RF FREQ BW AC ALPH AUTO 06:34:21 AM Aug 17, 2024

Center Freq 13.255000000 GHz

PASS

IF Gain: Low

Trig: Free Run

Attenu: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

Ref Offset 13.61 dB

Ref 25.00 dBm

10 dB/div

Log

Start 1.845 GHz

Stop 1.875 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8450 GHz	1.8490 GHz	1.000 MHz	1.847153333 GHz	-39.59 dBm	-26.59 dB
2	2	1.8490 GHz	1.8500 GHz	200.0 kHz	1.849993333 GHz	-39.74 dBm	-26.74 dB
3	3	1.8500 GHz	1.8750 GHz	100.0 kHz	1.868916667 GHz	-17.76 dBm	-12.24 dB

MMSI

STATUS

Band 25 20MHz/1860.0/Low 16QAM 1@0

Agilent Spectrum Analyzer - Spurious Emissions

RL RF FREQ BW AC ALPH AUTO 06:34:30 AM Aug 17, 2024

Center Freq 13.255000000 GHz

PASS

IF Gain: Low

Trig: Free Run

Attenu: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

Ref Offset 13.61 dB

Ref 25.00 dBm

10 dB/div

Log

Start 1.845 GHz

Stop 1.875 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8450 GHz	1.8490 GHz	1.000 MHz	1.846200000 GHz	-30.00 dBm	-17.00 dB
2	2	1.8490 GHz	1.8500 GHz	200.0 kHz	1.849943333 GHz	-32.99 dBm	-19.99 dB
3	3	1.8500 GHz	1.8750 GHz	100.0 kHz	1.851625000 GHz	-1.647 dBm	-31.65 dB

MMSI

STATUS

Band 25 20MHz/1860.0/Low 16QAM 1@99

Agilent Spectrum Analyzer - Spurious Emissions

RL RF FREQ BW AC ALPH AUTO 06:34:30 AM Aug 17, 2024

Center Freq 13.255000000 GHz

PASS

IF Gain: Low

Trig: Free Run

Attenu: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

Ref Offset 13.61 dB

Ref 25.00 dBm

10 dB/div

Log

Start 1.845 GHz

Stop 1.875 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8450 GHz	1.8490 GHz	1.000 MHz	1.846200000 GHz	-30.00 dBm	-17.00 dB
2	2	1.8490 GHz	1.8500 GHz	200.0 kHz	1.849943333 GHz	-32.99 dBm	-19.99 dB
3	3	1.8500 GHz	1.8750 GHz	100.0 kHz	1.851625000 GHz	-1.647 dBm	-31.65 dB

MMSI

STATUS

Band 25 20MHz/1860.0/Low 16QAM 100@0

Agilent Spectrum Analyzer - Spurious Emissions

RL RF FREQ BW AC ALPH AUTO 06:34:30 AM Aug 17, 2024

Center Freq 13.255000000 GHz

PASS

IF Gain: Low

Trig: Free Run

Attenu: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: MS

Ref Offset 13.61 dB

Ref 25.00 dBm

10 dB/div

Log

Start 1.845 GHz

Stop 1.875 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8450 GHz	1.8490 GHz	1.000 MHz	1.846200000 GHz	-30.00 dBm	-17.00 dB
2	2	1.8490 GHz	1.8500 GHz	200.0 kHz	1.849943333 GHz	-32.99 dBm	-19.99 dB
3	3	1.8500 GHz	1.8750 GHz	100.0 kHz	1.851625000 GHz	-1.647 dBm	-31.65 dB

MMSI

STATUS



Band 38 5MHz/2617.5/High QPSK 1@24

Adaptive Spectrum Analyzer - Spurious Emissions

RL RF BW AC ALPH AUTO

Center Freq 13.255000000 GHz

IF Gain:Low

Trigger:Free Run

Avg/Hold:100/100

Radio Std:None

Radio Device:MS

Ref Offset 14.35 dB

Ref 25.00 dBm

10 dB/div

Log

Start 2.61 GHz

Stop 2.65 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6100 GHz	2.6200 GHz	100.0 kHz	2.615353333 GHz	13.36 dBm	-16.12 dB
2	2	2.6200 GHz	2.6210 GHz	51.00 kHz	2.620015000 GHz	-44.80 dBm	-34.80 dB
3	3	2.6210 GHz	2.6250 GHz	1.000 MHz	2.621213333 GHz	-34.85 dBm	-24.85 dB
4	4	2.6250 GHz	2.6260 GHz	100.0 MHz	2.625166667 GHz	-38.89 dBm	-28.89 dB
5	5	2.6260 GHz	2.6500 GHz	1.000 MHz	2.629800000 GHz	-40.63 dBm	-15.63 dB

Band 38 5MHz/2617.5/High QPSK 25@0

Adaptive Spectrum Analyzer - Spurious Emissions

RL RF BW AC ALPH AUTO

Center Freq 13.255000000 GHz

IF Gain:Low

Trigger:Free Run

Avg/Hold:100/100

Radio Std:None

Radio Device:MS

Ref Offset 14.35 dB

Ref 25.00 dBm

10 dB/div

Log

Start 2.61 GHz

Stop 2.65 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6100 GHz	2.6200 GHz	100.0 kHz	2.619500000 GHz	13.59 dBm	-16.41 dB
2	2	2.6200 GHz	2.6210 GHz	51.00 kHz	2.620018333 GHz	-25.46 dBm	-15.46 dB
3	3	2.6210 GHz	2.6250 GHz	1.000 MHz	2.621800000 GHz	-26.75 dBm	-16.75 dB
4	4	2.6250 GHz	2.6260 GHz	100.0 MHz	2.625048333 GHz	-34.58 dBm	-21.58 dB
5	5	2.6260 GHz	2.6500 GHz	1.000 MHz	2.627680000 GHz	-38.58 dBm	-13.58 dB

Band 38 5MHz/2617.5/High 16QAM 1@0

Adaptive Spectrum Analyzer - Spurious Emissions

RL RF BW AC ALPH AUTO

Center Freq 13.255000000 GHz

IF Gain:Low

Trigger:Free Run

Avg/Hold:100/100

Radio Std:None

Radio Device:MS

Ref Offset 14.35 dB

Ref 25.00 dBm

10 dB/div

Log

Start 2.61 GHz

Stop 2.65 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6100 GHz	2.6200 GHz	100.0 kHz	2.615596667 GHz	0.010 dBm	-29.99 dB
2	2	2.6200 GHz	2.6210 GHz	51.00 kHz	2.620008333 GHz	-36.52 dBm	-26.52 dB
3	3	2.6210 GHz	2.6250 GHz	1.000 MHz	2.621033333 GHz	-25.42 dBm	-15.42 dB
4	4	2.6250 GHz	2.6260 GHz	100.0 MHz	2.625880000 GHz	-36.29 dBm	-23.29 dB
5	5	2.6260 GHz	2.6500 GHz	1.000 MHz	2.628680000 GHz	-37.23 dBm	-12.23 dB

Band 38 5MHz/2617.5/High 16QAM 1@24

Adaptive Spectrum Analyzer - Spurious Emissions

RL RF BW AC ALPH AUTO

Center Freq 13.255000000 GHz

IF Gain:Low

Trigger:Free Run

Avg/Hold:100/100

Radio Std:None

Radio Device:MS

Ref Offset 14.25 dB

Ref 25.00 dBm

10 dB/div

Log

Start 2.55 GHz

Stop 2.58 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5500 GHz	2.5640 GHz	1.000 MHz	2.564059667 GHz	-40.03 dBm	-15.03 dB
2	2	2.5640 GHz	2.5650 GHz	100.0 MHz	2.564058333 GHz	-34.16 dBm	-21.16 dB
3	3	2.5650 GHz	2.5690 GHz	100.0 MHz	2.568986667 GHz	-22.00 dBm	-12.00 dB
4	4	2.5690 GHz	2.5700 GHz	100.0 kHz	2.569953333 GHz	-19.98 dBm	-9.98 dB
5	5	2.5700 GHz	2.5800 GHz	100.0 kHz	2.570350000 GHz	-15.16 dBm	-14.84 dB

Band 38 5MHz/2617.5/High 16QAM 25@0

Adaptive Spectrum Analyzer - Spurious Emissions

RL RF BW AC ALPH AUTO

Center Freq 13.255000000 GHz

IF Gain:Low

Trigger:Free Run

Avg/Hold:100/100

Radio Std:None

Radio Device:MS

Ref Offset 14.25 dB

Ref 25.00 dBm

10 dB/div

Log

Start 2.55 GHz

Stop 2.58 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5500 GHz	2.5640 GHz	1.000 MHz	2.564059667 GHz	-41.85 dBm	-16.85 dB
2	2	2.5640 GHz	2.5650 GHz	100.0 MHz	2.564341667 GHz	-39.22 dBm	-26.22 dB
3	3	2.5650 GHz	2.5690 GHz	100.0 MHz	2.568100000 GHz	-36.25 dBm	-26.25 dB
4	4	2.5690 GHz	2.5700 GHz	100.0 kHz	2.569990000 GHz	-37.77 dBm	-27.77 dB
5	5	2.5700 GHz	2.5800 GHz	100.0 kHz	2.574633333 GHz	-15.18 dBm	-14.82 dB

Band 38 5MHz/2572.5/Low QPSK 1@0

Adaptive Spectrum Analyzer - Spurious Emissions

RL RF BW AC ALPH AUTO

Center Freq 13.255000000 GHz

IF Gain:Low

Trigger:Free Run

Avg/Hold:100/100

Radio Std:None

Radio Device:MS

Ref Offset 14.25 dB

Ref 25.00 dBm

10 dB/div

Log

Start 2.55 GHz

Stop 2.58 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5500 GHz	2.5640 GHz	1.000 MHz	2.561920000 GHz	-36.96 dBm	-11.96 dB
2	2	2.5640 GHz	2.5650 GHz	100.0 MHz	2.564058333 GHz	-32.99 dBm	-19.99 dB
3	3	2.5650 GHz	2.5690 GHz	100.0 MHz	2.568400000 GHz	-27.90 dBm	-17.90 dB
4	4	2.5690 GHz	2.5700 GHz	100.0 kHz	2.569951667 GHz	-26.75 dBm	-16.75 dB
5	5	2.5700 GHz	2.5800 GHz	100.0 kHz	2.572483333 GHz	-14.23 dBm	-28.58 dB

Band 38 5MHz/2572.5/Low QPSK 1@24

Adaptive Spectrum Analyzer - Spurious Emissions

RL RF BW AC ALPH AUTO

Center Freq 13.255000000 GHz

IF Gain:Low

Trigger:Free Run

Avg/Hold:100/100

Radio Std:None

Radio Device:MS

Ref Offset 14.25 dB

Ref 25.00 dBm

10 dB/div

Log

Start 2.55 GHz

Stop 2.58 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5500 GHz	2.5640 GHz	1.000 MHz	2.562859667 GHz	-37.33 dBm	-12.33 dB
2	2	2.5640 GHz	2.5650 GHz	100.0 MHz	2.564058333 GHz	-34.83 dBm	-21.83 dB
3	3	2.5650 GHz	2.5690 GHz	100.0 MHz	2.568896667 GHz	-22.95 dBm	-12.95 dB
4	4	2.5690 GHz	2.5700 GHz	100.0 kHz	2.569990000 GHz	-21.18 dBm	-11.18 dB
5	5	2.5700 GHz	2.5800 GHz	100.0 kHz	2.570350000 GHz	-13.91 dBm	-16.09 dB

Band 38 5MHz/2572.5/Low QPSK 25@0

Adaptive Spectrum Analyzer - Spurious Emissions

RL RF BW AC ALPH AUTO

Center Freq 13.255000000 GHz

IF Gain:Low

Trigger:Free Run

Avg/Hold:100/100

Radio Std:None

Radio Device:MS

Ref Offset 14.25 dB

Ref 25.00 dBm

10 dB/div

Log

Start 2.55 GHz

Stop 2.58 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5500 GHz	2.5640 GHz	1.000 MHz	2.560906667 GHz	-40.01 dBm	-15.01 dB
2	2	2.5640 GHz	2.5650 GHz	100.0 MHz	2.564490000 GHz	-36.68 dBm	-26.68 dB
3	3	2.5650 GHz	2.5690 GHz	100.0 MHz	2.568780000 GHz	-32.45 dBm	-22.45 dB
4	4	2.5690 GHz	2.5700 GHz	100.0 kHz	2.569836667 GHz	-37.77 dBm	-27.77 dB
5	5	2.5700 GHz	2.5800 GHz	100.0 kHz	2.574633333 GHz	-14.98 dBm	-15.02 dB

Band 38 5MHz/2572.5/Low 16QAM 1@0

Adaptive Spectrum Analyzer - Spurious Emissions

RL RF BW AC ALPH AUTO

Center Freq 13.255000000 GHz

IF Gain:Low

Trigger:Free Run

Avg/Hold:100/100

Radio Std:None

Radio Device:MS

Ref Offset 14.25 dB

Ref 25.00 dBm

10 dB/div

Log

Start 2.55 GHz

Stop 2.58 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5500 GHz	2.5640 GHz	1.000 MHz	2.560906667 GHz	-39.86 dBm	-14.86 dB
2	2	2.5640 GHz	2.5650 GHz	100.0 MHz	2.564490000 GHz	-34.79 dBm	-21.79 dB
3	3	2.5650 GHz	2.5690 GHz	100.0 MHz	2.568533333 GHz	-27.29 dBm	-17.29 dB
4	4	2.5690 GHz	2.5700 GHz	100.0 kHz	2.569990667 GHz	-29.67 dBm	-19.67 dB
5	5	2.5700 GHz	2.5800 GHz	100.0 kHz	2.572606667 GHz	0.222 dBm	-29.76 dB

Band 38 5MHz/2572.5/Low 16QAM 1@24

Adaptive Spectrum Analyzer - Spurious Emissions

RL RF BW AC ALPH AUTO

Center Freq 13.255000000 GHz

IF Gain:Low

Trigger:Free Run

Avg/Hold:100/100

Radio Std:None

Radio Device:MS

Ref Offset 14.35 dB

Ref 25.00 dBm

10 dB/div

Log

Start 2.595 GHz

Stop 2.65 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5950 GHz	2.6200 GHz	100.0 kHz	2.601083333 GHz	14.34 dBm	-15.66 dB
2	2	2.6200 GHz	2.6210 GHz	51.00 kHz	2.620008333 GHz	-51.70 dBm	-41.70 dB
3	3	2.6210 GHz	2.6250 GHz	1.000 MHz	2.623006667 GHz	-40.54 dBm	-30.54 dB
4	4	2.6250 GHz	2.6260 GHz	100.0 MHz	2.625161667 GHz	-43.07 dBm	-30.07 dB
5	5	2.6260 GHz	2.6500 GHz	1.000 MHz	2.636800000 GHz	-40.00 dBm	-15.00 dB

Band 38 5MHz/2572.5/Low 16QAM 25@0

Adaptive Spectrum Analyzer - Spurious Emissions

RL RF BW AC ALPH AUTO

Center Freq 13.255000000 GHz

IF Gain:Low

Trigger:Free Run

Avg/Hold:100/100

Radio Std:None

Radio Device:MS

Ref Offset 14.35 dB

Ref 25.00 dBm

10 dB/div

Log

Start 2.595 GHz

Stop 2.65 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5950 GHz	2.6200 GHz	100.0 kHz	2.618919667 GHz	14.06 dBm	-15.32 dB
2	2	2.6200 GHz	2.6210 GHz	51.00 kHz	2.620110000 GHz	-32.84 dBm	-22.84 dB
3	3	2.6210 GHz	2.6250 GHz	1.000 MHz	2.621400000 GHz	-26.67 dBm	-16.67 dB
4	4	2.6250 GHz	2.6260 GHz	100.0 MHz	2.625953333 GHz	-32.29 dBm	-19.29 dB
5	5	2.6260 GHz	2.6500 GHz	1.000 MHz	2.626040000 GHz	-34.82 dBm	-9.82 dB

Band 38 20MHz/2610.0/High QPSK 1@0

Adaptive Spectrum Analyzer - Spurious Emissions

RL RF BW AC ALPH AUTO

Center Freq 13.255000000 GHz

IF Gain:Low

Trigger:Free Run

Avg/Hold:100/100

Radio Std:None

Radio Device:MS

Ref Offset 14.35 dB

Ref 25.00 dBm

10 dB/div

Log

Start 2.595 GHz

Stop 2.65 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5950 GHz	2.6200 GHz	100.0 kHz	2.618919667 GHz	14.06 dBm	-15.32 dB
2	2	2.6200 GHz	2.6210 GHz	51.00 kHz	2.620110000 GHz	-32.84 dBm	-22.84 dB
3	3	2.6210 GHz	2.6250 GHz	1.000 MHz	2.621400000 GHz	-26.67 dBm	-16.67 dB
4	4	2.6250 GHz	2.6260 GHz	100.0 MHz	2.625953333 GHz	-32.29 dBm	-19.29 dB
5	5	2.6260 GHz	2.6500 GHz	1.000 MHz	2.626040000 GHz	-34.82 dBm	-9.82 dB

Band 38 20MHz/2610.0/High QPSK 1@99

Adaptive Spectrum Analyzer - Spurious Emissions

RL RF BW AC ALPH AUTO

Center Freq 13.255000000 GHz

IF Gain:Low

Trigger:Free Run

Avg/Hold:100/100

Radio Std:None

Radio Device:MS

Ref Offset 14.35 dB

Ref 25.00 dBm

10 dB/div

Log

Start 2.595 GHz

Stop 2.65 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5950 GHz	2.6200 GHz	100.0 kHz	2.618919667 GHz	14.06 dBm	-15.32 dB
2	2	2.6200 GHz	2.6210 GHz	51.00 kHz	2.620110000 GHz	-32.84 dBm	-22.84 dB
3	3	2.6210 GHz	2.6250 GHz	1.000 MHz	2.621400000 GHz	-26.67 dBm	-16.67 dB
4	4	2.6250 GHz	2.6260 GHz	100.0 MHz	2.625953333 GHz	-32.29 dBm	-19.29 dB
5	5	2.6260 GHz	2.6500 GHz	1.000 MHz	2.626040000 GHz	-34.82 dBm	-9.82 dB