

Agilent Spectrum Analyzer - Spurious Emissions

RL

RF

IF

SBW

AC

RESERVE

ALPHA AUTO

03-20-24 AM Aug 17, 2024

Center Freq 13.255000000 GHz

Center Freq: 13.255000000 GHz

Radio Std: None

Trig: Free Run

Avg/Hold: 100/100

Radio Device: MS

Ref Offset 13.63 dB

Ref 25.00 dBm

Start 1.899 GHz

Stop 1.925 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8990 GHz	1.9100 GHz	100.0 kHz	1.908822000 GHz	19.00 dBm	-10.34 dB
2	2	1.9100 GHz	1.9110 GHz	15.00 kHz	1.910638333 GHz	-34.91 dBm	-21.91 dB
3	3	1.9110 GHz	1.9250 GHz	1.000 MHz	1.911676667 GHz	-44.01 dBm	-31.01 dB

MMSI

STATUS

Agilent Spectrum Analyzer - Spurious Emissions

RL

RF

IF

SBW

AC

RESERVE

ALPHA AUTO

03-20-30 AM Aug 17, 2024

Center Freq 13.255000000 GHz

Center Freq: 13.255000000 GHz

Radio Std: None

Trig: Free Run

Avg/Hold: 100/100

Radio Device: MS

Ref Offset 13.63 dB

Ref 25.00 dBm

Start 1.899 GHz

Stop 1.925 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8990 GHz	1.9100 GHz	100.0 kHz	1.909715000 GHz	19.41 dBm	-10.59 dB
2	2	1.9100 GHz	1.9110 GHz	15.00 kHz	1.910650000 GHz	-33.60 dBm	-20.60 dB
3	3	1.9110 GHz	1.9250 GHz	1.000 MHz	1.911560000 GHz	-31.86 dBm	-18.86 dB

MMSI

STATUS

Band 2 1.4MHz/1909.3/High QPSK 1@0

Agilent Spectrum Analyzer - Spurious Emissions

RL

RF

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SBW

AC

RESERVE

ALPHA AUTO

03-20-14 AM Aug 17, 2024

Center Freq 13.255000000 GHz

Center Freq: 13.255000000 GHz

Radio Std: None

Trig: Free Run

Avg/Hold: 100/100

Radio Device: MS

Ref Offset 13.63 dB

Ref 25.00 dBm

Start 1.899 GHz

Stop 1.925 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8990 GHz	1.9100 GHz	100.0 kHz	1.908220000 GHz	10.00 dBm	-10.34 dB
2	2	1.9100 GHz	1.9110 GHz	15.00 kHz	1.910900000 GHz	-36.80 dBm	-23.80 dB
3	3	1.9110 GHz	1.9250 GHz	1.000 MHz	1.911490000 GHz	-33.70 dBm	-20.70 dB

MMSI

STATUS

Band 2 1.4MHz/1909.3/High QPSK 1@5

Agilent Spectrum Analyzer - Spurious Emissions

RL

RF

IF

SBW

AC

RESERVE

ALPHA AUTO

03-20-14 AM Aug 17, 2024

Center Freq 13.255000000 GHz

Center Freq: 13.255000000 GHz

Radio Std: None

Trig: Free Run

Avg/Hold: 100/100

Radio Device: MS

Ref Offset 13.63 dB

Ref 25.00 dBm

Start 1.899 GHz

Stop 1.925 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8990 GHz	1.9100 GHz	100.0 kHz	1.908379000 GHz	18.56 dBm	-11.84 dB
2	2	1.9100 GHz	1.9110 GHz	15.00 kHz	1.910680000 GHz	-35.85 dBm	-22.85 dB
3	3	1.9110 GHz	1.9250 GHz	1.000 MHz	1.911863333 GHz	-45.44 dBm	-32.44 dB

MMSI

STATUS

Band 2 1.4MHz/1909.3/High QPSK 6@0

Agilent Spectrum Analyzer - Spurious Emissions

RL

RF

IF

SBW

AC

RESERVE

ALPHA AUTO

03-20-30 AM Aug 17, 2024

Center Freq 13.255000000 GHz

Center Freq: 13.255000000 GHz

Radio Std: None

Trig: Free Run

Avg/Hold: 100/100

Radio Device: MS

Ref Offset 13.63 dB

Ref 25.00 dBm

Start 1.899 GHz

Stop 1.925 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8990 GHz	1.9100 GHz	100.0 kHz	1.909753000 GHz	18.18 dBm	-11.82 dB
2	2	1.9100 GHz	1.9110 GHz	15.00 kHz	1.910640000 GHz	-34.11 dBm	-21.11 dB
3	3	1.9110 GHz	1.9250 GHz	1.000 MHz	1.911746667 GHz	-31.91 dBm	-18.91 dB

MMSI

STATUS

Band 2 1.4MHz/1909.3/High 16QAM 1@0

Agilent Spectrum Analyzer - Spurious Emissions

RL

RF

IF

SBW

AC

RESERVE

ALPHA AUTO

03-20-45 AM Aug 17, 2024

Center Freq 13.255000000 GHz

Center Freq: 13.255000000 GHz

Radio Std: None

Trig: Free Run

Avg/Hold: 100/100

Radio Device: MS

Ref Offset 13.63 dB

Ref 25.00 dBm

Start 1.899 GHz

Stop 1.925 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8990 GHz	1.9100 GHz	100.0 kHz	1.909310000 GHz	9.624 dBm	-20.38 dB
2	2	1.9100 GHz	1.9110 GHz	15.00 kHz	1.910038333 GHz	-34.30 dBm	-21.30 dB
3	3	1.9110 GHz	1.9250 GHz	1.000 MHz	1.911256667 GHz	-29.91 dBm	-16.91 dB

MMSI

STATUS

Band 2 1.4MHz/1909.3/High 16QAM 1@5

Agilent Spectrum Analyzer - Spurious Emissions

RL

RF

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SBW

AC

RESERVE

ALPHA AUTO

03-20-45 AM Aug 17, 2024

Center Freq 13.255000000 GHz

Center Freq: 13.255000000 GHz

Radio Std: None

Trig: Free Run

Avg/Hold: 100/100

Radio Device: MS

Ref Offset 13.61 dB

Ref 25.00 dBm

Start 1.845 GHz

Stop 1.856 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8450 GHz	1.8480 GHz	1.000 MHz	1.848395667 GHz	-26.16 dBm	-15.16 dB
2	2	1.8490 GHz	1.8500 GHz	15.00 kHz	1.849391667 GHz	-40.16 dBm	-27.16 dB
3	3	1.8500 GHz	1.8564 GHz	100.0 kHz	1.850224000 GHz	16.44 dBm	-13.56 dB

MMSI

STATUS

Band 2 1.4MHz/1909.3/High 16QAM 6@0

Agilent Spectrum Analyzer - Spurious Emissions

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RESERVE

ALPHA AUTO

03-20-45 AM Aug 17, 2024

Center Freq 13.255000000 GHz

Center Freq: 13.255000000 GHz

Radio Std: None

Trig: Free Run

Avg/Hold: 100/100

Radio Device: MS

Ref Offset 13.61 dB

Ref 25.00 dBm

Start 1.845 GHz

Stop 1.856 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8450 GHz	1.8480 GHz	1.000 MHz	1.848333333 GHz	-27.34 dBm	-9.84 dB
2	2	1.8490 GHz	1.8500 GHz	15.00 kHz	1.849395000 GHz	-34.60 dBm	-21.60 dB
3	3	1.8500 GHz	1.8564 GHz	100.0 kHz	1.851162667 GHz	20.13 dBm	-9.85 dB

MMSI

STATUS

Band 2 1.4MHz/1850.7/Low QPSK 1@0

Agilent Spectrum Analyzer - Spurious Emissions

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SBW

AC

RESERVE

ALPHA AUTO

03-20-35 AM Aug 17, 2024

Center Freq 13.255000000 GHz

Center Freq: 13.255000000 GHz

Radio Std: None

Trig: Free Run

Avg/Hold: 100/100

Radio Device: MS

Ref Offset 13.61 dB

Ref 25.00 dBm

Start 1.845 GHz

Stop 1.856 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8450 GHz	1.8490 GHz	1.000 MHz	1.848956667 GHz	26.78 dBm	-15.78 dB
2	2	1.8490 GHz	1.8500 GHz	15.00 kHz	1.849393333 GHz	-34.23 dBm	-21.23 dB
3	3	1.8500 GHz	1.8564 GHz	100.0 kHz	1.850882667 GHz	11.09 dBm	-18.31 dB

MMSI

STATUS

Band 2 1.4MHz/1850.7/Low QPSK 1@5

Agilent Spectrum Analyzer - Spurious Emissions

RL

RF

IF

SBW

AC

RESERVE

ALPHA AUTO

03-20-40 AM Aug 17, 2024

Center Freq 13.255000000 GHz

Center Freq: 13.255000000 GHz

Radio Std: None

Trig: Free Run

Avg/Hold: 100/100

Radio Device: MS

Ref Offset 13.61 dB

Ref 25.00 dBm

Start 1.845 GHz

Stop 1.856 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8450 GHz	1.8490 GHz	1.000 MHz	1.848333333 GHz	-22.94 dBm	-9.94 dB
2	2	1.8490 GHz	1.8500 GHz	15.00 kHz	1.849393333 GHz	-30.31 dBm	-17.31 dB
3	3	1.8500 GHz	1.8564 GHz	100.0 kHz	1.850245333 GHz	20.04 dBm	-9.985 dB

MMSI

STATUS

Band 2 1.4MHz/1850.7/Low QPSK 6@0

Agilent Spectrum Analyzer - Spurious Emissions

RL

RF

IF

SBW

AC

RESERVE

ALPHA AUTO

03-20-35 AM Aug 17, 2024

Center Freq 13.255000000 GHz

Center Freq: 13.255000000 GHz

Radio Std: None

Trig: Free Run

Avg/Hold: 100/100

Radio Device: MS

Ref Offset 13.61 dB

Ref 25.00 dBm

Start 1.845 GHz

Stop 1.856 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8450 GHz	1.8490 GHz	1.000 MHz	1.848956667 GHz	23.36 dBm	-10.36 dB
2	2	1.8490 GHz	1.8500 GHz	15.00 kHz	1.849390000 GHz	-34.21 dBm	-21.21 dB
3	3	1.8500 GHz	1.8564 GHz	100.0 kHz	1.851152000 GHz	19.87 dBm	-10.13 dB

MMSI

STATUS

Band 2 1.4MHz/1850.7/Low 16QAM 1@0

Agilent Spectrum Analyzer - Spurious Emissions

RL

RF

IF

SBW

AC

RESERVE

ALPHA AUTO

03-20-23 AM Aug 17, 2024

Center Freq 13.255000000 GHz

Center Freq: 13.255000000 GHz

Radio Std: None

Trig: Free Run

Avg/Hold: 100/100

Radio Device: MS

Ref Offset 13.61 dB

Ref 25.00 dBm

Start 1.845 GHz

Stop 1.856 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8450 GHz	1.8490 GHz	1.000 MHz	1.848920000 GHz	-29.04 dBm	-16.04 dB
2	2	1.8490 GHz	1.8500 GHz	15.00 kHz	1.849733333 GHz	-37.34 dBm	-24.34 dB
3	3	1.8500 GHz	1.8564 GHz	100.0 kHz	1.850224000 GHz	10.96 dBm	-19.04 dB

MMSI

STATUS

Band 2 1.4MHz/1850.7/Low 16QAM 1@5

Agilent Spectrum Analyzer - Spurious Emissions

RL

RF

IF

SBW

AC

RESERVE

ALPHA AUTO

03-24-30 AM Aug 17, 2024

Center Freq 13.255000000 GHz

Center Freq: 13.255000000 GHz

Radio Std: None

Trig: Free Run

Avg/Hold: 100/100

Radio Device: MS

Ref Offset 13.63 dB

Ref 25.00 dBm

Start 1.895 GHz

Stop 1.925 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8950 GHz	1.9100 GHz	100.0 kHz	1.909625000 GHz	19.10 dBm	-10.90 dB
2	2	1.9100 GHz	1.9110 GHz	51.00 kHz	1.910005000 GHz	-22.00 dBm	-8.997 dB
3	3	1.9110 GHz	1.9250 GHz	1.000 MHz	1.918303333 GHz	-32.32 dBm	-19.32 dB

MMSI

STATUS

Band 2 1.4MHz/1850.7/Low 16QAM 6@0

Agilent Spectrum Analyzer - Spurious Emissions

RL

RF

IF

SBW

AC

RESERVE

ALPHA AUTO

03-24-30 AM Aug 17, 2024

Center Freq 13.255000000 GHz

Center Freq: 13.255000000 GHz

Radio Std: None

Trig: Free Run

Avg/Hold: 100/100

Radio Device: MS

Ref Offset 13.63 dB

Ref 25.00 dBm

Start 1.895 GHz

Stop 1.925 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8950 GHz	1.9100 GHz	100.0 kHz	1.909625000 GHz	19.10 dBm	-10.90 dB
2	2	1.9100 GHz	1.9110 GHz	51.00 kHz	1.910005000 GHz	-22.00 dBm	-8.997 dB
3	3	1.9110 GHz	1.9250 GHz	1.000 MHz	1.918303333 GHz	-32.32 dBm	-19.32 dB

MMSI

STATUS

Band 2 5MHz/1907.5/High QPSK 1@0

Band 2 5MHz/1907.5/High QPSK 1@24



Agilent Spectrum Analyzer - Spurious Emissions

Center Freq 13.255000000 GHz

Ref Offset 13.63 dB
Ref 25.00 dBm

Start 1.895 GHz

Stop 1.925 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8950 GHz	1.9100 GHz	100.0 kHz	1.900750000 GHz	4.686 dBm	-25.31 dB
2	2	1.9100 GHz	1.9110 GHz	51.00 kHz	1.910033333 GHz	-35.26 dBm	-22.26 dB
3	3	1.9110 GHz	1.9250 GHz	1.000 MHz	1.917070000 GHz	-29.11 dBm	-16.11 dB

Band 2 5MHz/1907.5/High QPSK 1@24

Agilent Spectrum Analyzer - Spurious Emissions

Center Freq 13.255000000 GHz

Ref Offset 13.63 dB
Ref 25.00 dBm

Start 1.895 GHz

Stop 1.925 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8950 GHz	1.9100 GHz	100.0 kHz	1.900750000 GHz	4.686 dBm	-25.31 dB
2	2	1.9100 GHz	1.9110 GHz	51.00 kHz	1.910033333 GHz	-35.26 dBm	-22.26 dB
3	3	1.9110 GHz	1.9250 GHz	1.000 MHz	1.917070000 GHz	-29.11 dBm	-16.11 dB

Band 2 5MHz/1907.5/High 16QAM 25@0

Agilent Spectrum Analyzer - Spurious Emissions

Center Freq 13.255000000 GHz

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	1.845820067 GHz	-33.19 dBm	-20.19 dB
2	2	1.8490 GHz	1.8500 GHz	51.00 kHz	1.849950667 GHz	-27.77 dBm	-14.77 dB
3	3	1.8500 GHz	1.8600 GHz	100.0 kHz	1.850283333 GHz	-19.76 dBm	-10.24 dB

Band 2 5MHz/1852.5/Low QPSK 1@0

Agilent Spectrum Analyzer - Spurious Emissions

Center Freq 13.255000000 GHz

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	1.845820067 GHz	-33.19 dBm	-20.19 dB
2	2	1.8490 GHz	1.8500 GHz	51.00 kHz	1.849950667 GHz	-27.77 dBm	-14.77 dB
3	3	1.8500 GHz	1.8600 GHz	100.0 kHz	1.850283333 GHz	-19.76 dBm	-10.24 dB

Band 2 5MHz/1852.5/Low QPSK 1@24

Agilent Spectrum Analyzer - Spurious Emissions

Center Freq 13.255000000 GHz

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	1.845820067 GHz	-33.19 dBm	-20.19 dB
2	2	1.8490 GHz	1.8500 GHz	51.00 kHz	1.849950667 GHz	-27.77 dBm	-14.77 dB
3	3	1.8500 GHz	1.8600 GHz	100.0 kHz	1.850283333 GHz	-19.76 dBm	-10.24 dB

Band 2 5MHz/1852.5/Low QPSK 25@0

Agilent Spectrum Analyzer - Spurious Emissions

Center Freq 13.255000000 GHz

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	1.845820067 GHz	-33.19 dBm	-20.19 dB
2	2	1.8490 GHz	1.8500 GHz	51.00 kHz	1.849950667 GHz	-27.77 dBm	-14.77 dB
3	3	1.8500 GHz	1.8600 GHz	100.0 kHz	1.850283333 GHz	-19.76 dBm	-10.24 dB

Band 2 5MHz/1852.5/Low 16QAM 1@0

Agilent Spectrum Analyzer - Spurious Emissions

Center Freq 13.255000000 GHz

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	1.845820067 GHz	-33.19 dBm	-20.19 dB
2	2	1.8490 GHz	1.8500 GHz	51.00 kHz	1.849950667 GHz	-27.77 dBm	-14.77 dB
3	3	1.8500 GHz	1.8600 GHz	100.0 kHz	1.850283333 GHz	-19.76 dBm	-10.24 dB

Band 2 5MHz/1852.5/Low QPSK 25@0

Agilent Spectrum Analyzer - Spurious Emissions

Center Freq 13.255000000 GHz

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	1.845820067 GHz	-33.19 dBm	-20.19 dB
2	2	1.8490 GHz	1.8500 GHz	51.00 kHz	1.849950667 GHz	-27.77 dBm	-14.77 dB
3	3	1.8500 GHz	1.8600 GHz	100.0 kHz	1.850283333 GHz	-19.76 dBm	-10.24 dB

Band 2 5MHz/1852.5/Low 16QAM 1@24

Agilent Spectrum Analyzer - Spurious Emissions

Center Freq 13.255000000 GHz

Ref Offset 13.63 dB
Ref 25.00 dBm

Start 1.88 GHz

Stop 1.925 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8800 GHz	1.9100 GHz	100.0 kHz	1.891950000 GHz	-34.48 dBm	-33.49 dB
2	2	1.9100 GHz	1.9110 GHz	200.0 kHz	1.910023333 GHz	-37.60 dBm	-24.00 dB
3	3	1.9110 GHz	1.9250 GHz	1.000 MHz	1.917043333 GHz	-33.30 dBm	-20.30 dB

Band 2 20MHz/1900.0/High QPSK 1@0

Agilent Spectrum Analyzer - Spurious Emissions

Center Freq 13.255000000 GHz

Ref Offset 13.63 dB
Ref 25.00 dBm

Start 1.88 GHz

Stop 1.925 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8800 GHz	1.9100 GHz	100.0 kHz	1.891950000 GHz	-34.48 dBm	-33.49 dB
2	2	1.9100 GHz	1.9110 GHz	200.0 kHz	1.910023333 GHz	-37.60 dBm	-24.00 dB
3	3	1.9110 GHz	1.9250 GHz	1.000 MHz	1.917043333 GHz	-33.30 dBm	-20.30 dB

Band 2 20MHz/1900.0/High QPSK 1@99

Agilent Spectrum Analyzer - Spurious Emissions

Center Freq 13.255000000 GHz

Ref Offset 13.63 dB
Ref 25.00 dBm

Start 1.88 GHz

Stop 1.925 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8800 GHz	1.9100 GHz	100.0 kHz	1.891950000 GHz	-34.48 dBm	-33.49 dB
2	2	1.9100 GHz	1.9110 GHz	200.0 kHz	1.910023333 GHz	-37.60 dBm	-24.00 dB
3	3	1.9110 GHz	1.9250 GHz	1.000 MHz	1.917043333 GHz	-33.30 dBm	-20.30 dB

Band 2 20MHz/1900.0/High QPSK 100@0

Agilent Spectrum Analyzer - Spurious Emissions

Center Freq 13.255000000 GHz

Ref Offset 13.63 dB
Ref 25.00 dBm

Start 1.88 GHz

Stop 1.925 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	1.8800 GHz	1.9100 GHz	100.0 kHz	1.891950000 GHz	-34.48 dBm	-33.49 dB
2	2	1.9100 GHz	1.9110 GHz	200.0 kHz	1.910023333 GHz	-37.60 dBm	-24.00 dB
3	3	1.9110 GHz	1.9250 GHz	1.000 MHz	1.917043333 GHz	-33.30 dBm	-20.30 dB

Band 2 20MHz/1900.0/High 16QAM 1@0