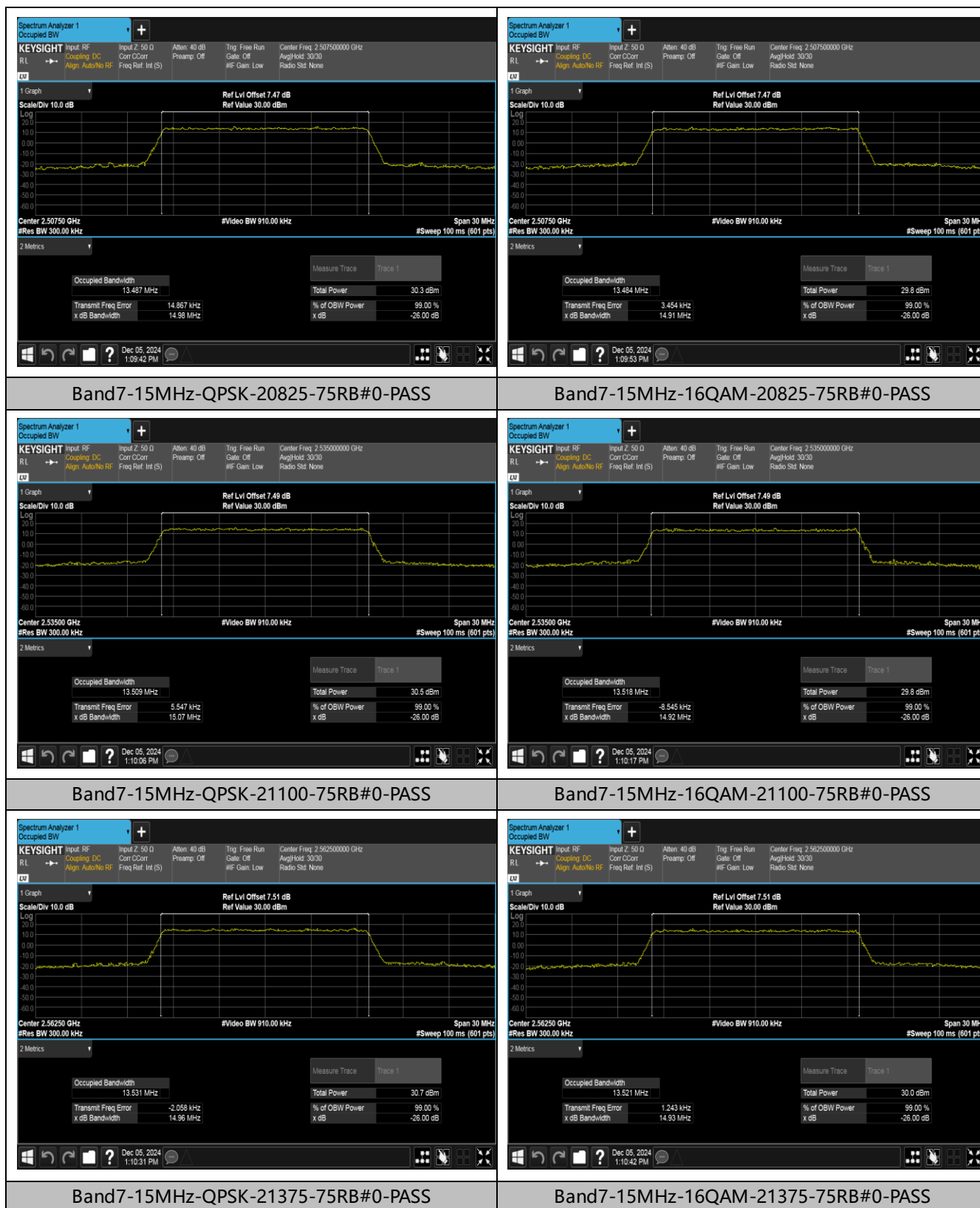
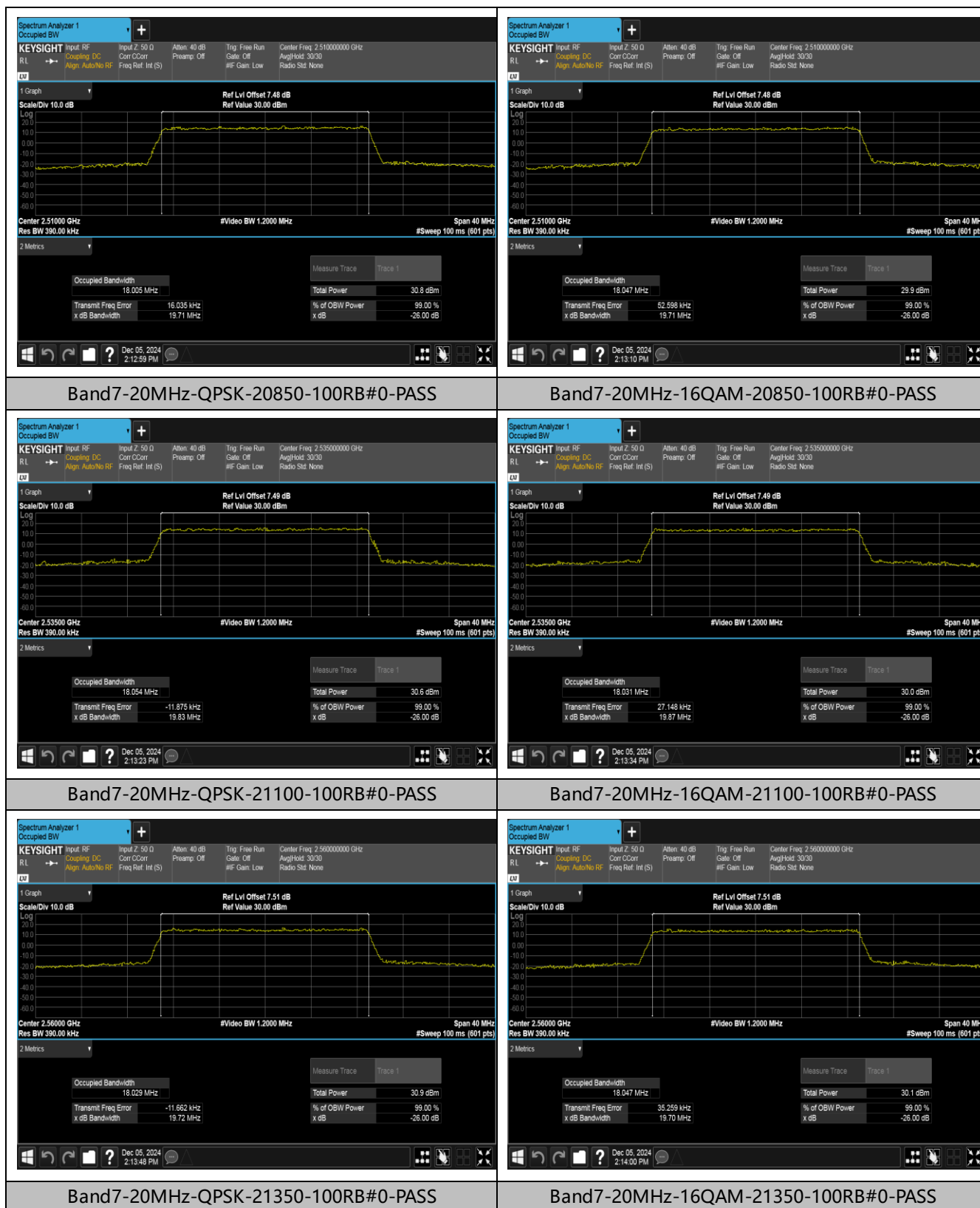






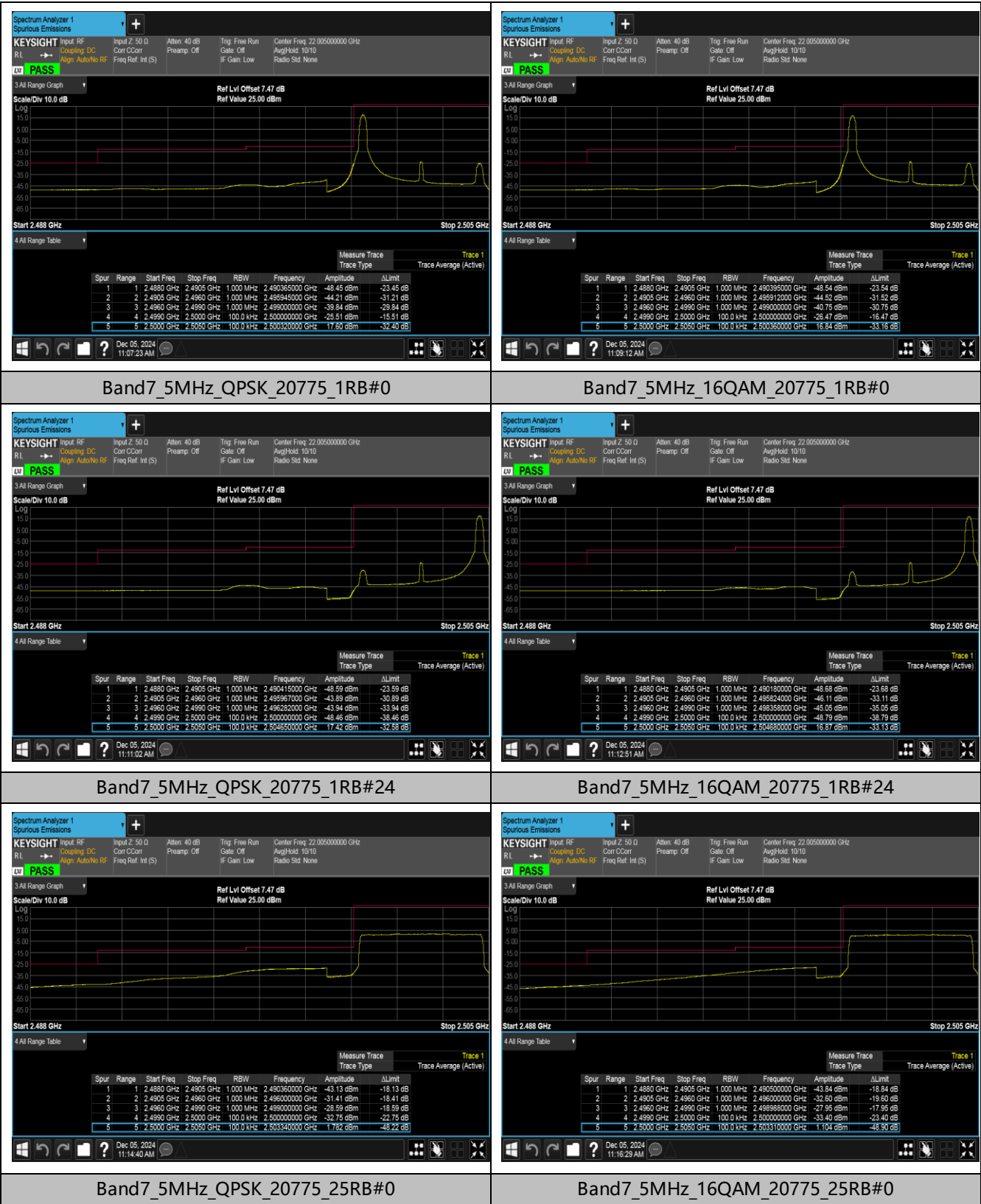
Appendix D:Band edge emissions

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-25.51	PASS
Band7	5MHz	16QAM	20775	1RB#0	-26.47	PASS
Band7	5MHz	QPSK	20775	1RB#24	-48.59	PASS
Band7	5MHz	16QAM	20775	1RB#24	-48.68	PASS
Band7	5MHz	QPSK	20775	25RB#0	-43.13	PASS
Band7	5MHz	16QAM	20775	25RB#0	-27.95	PASS
Band7	5MHz	QPSK	21425	1RB#0	-47.85	PASS
Band7	5MHz	16QAM	21425	1RB#0	-47.96	PASS
Band7	5MHz	QPSK	21425	1RB#24	-25.08	PASS
Band7	5MHz	16QAM	21425	1RB#24	-25.40	PASS
Band7	5MHz	QPSK	21425	25RB#0	-35.42	PASS
Band7	5MHz	16QAM	21425	25RB#0	-35.58	PASS
Band7	10MHz	QPSK	20800	1RB#0	-48.37	PASS
Band7	10MHz	16QAM	20800	1RB#0	-48.34	PASS
Band7	10MHz	QPSK	20800	1RB#49	-48.65	PASS
Band7	10MHz	16QAM	20800	1RB#49	-48.66	PASS
Band7	10MHz	QPSK	20800	50RB#0	-38.73	PASS
Band7	10MHz	16QAM	20800	50RB#0	-38.18	PASS
Band7	10MHz	QPSK	21400	1RB#0	-48.22	PASS
Band7	10MHz	16QAM	21400	1RB#0	-48.23	PASS
Band7	10MHz	QPSK	21400	1RB#49	-33.01	PASS
Band7	10MHz	16QAM	21400	1RB#49	-32.68	PASS
Band7	10MHz	QPSK	21400	50RB#0	-37.34	PASS
Band7	10MHz	16QAM	21400	50RB#0	-36.32	PASS
Band7	15MHz	QPSK	20825	1RB#0	-46.05	PASS
Band7	15MHz	16QAM	20825	1RB#0	-44.99	PASS
Band7	15MHz	QPSK	20825	1RB#74	-47.07	PASS
Band7	15MHz	16QAM	20825	1RB#74	-46.63	PASS
Band7	15MHz	QPSK	20825	75RB#0	-34.32	PASS
Band7	15MHz	16QAM	20825	75RB#0	-35.99	PASS
Band7	15MHz	QPSK	21375	1RB#0	-48.38	PASS
Band7	15MHz	16QAM	21375	1RB#0	-48.45	PASS
Band7	15MHz	QPSK	21375	1RB#74	-48.40	PASS
Band7	15MHz	16QAM	21375	1RB#74	-48.41	PASS
Band7	15MHz	QPSK	21375	75RB#0	-26.68	PASS
Band7	15MHz	16QAM	21375	75RB#0	-38.58	PASS
Band7	20MHz	QPSK	20850	1RB#0	-48.33	PASS
Band7	20MHz	16QAM	20850	1RB#0	-48.31	PASS

Band7	20MHz	QPSK	20850	1RB#99	-48.69	PASS
Band7	20MHz	16QAM	20850	1RB#99	-48.73	PASS
Band7	20MHz	QPSK	20850	100RB#0	-34.80	PASS
Band7	20MHz	16QAM	20850	100RB#0	-35.92	PASS
Band7	20MHz	QPSK	21350	1RB#0	-48.60	PASS
Band7	20MHz	16QAM	21350	1RB#0	-48.58	PASS
Band7	20MHz	QPSK	21350	1RB#99	-48.59	PASS
Band7	20MHz	16QAM	21350	1RB#99	-48.60	PASS
Band7	20MHz	QPSK	21350	100RB#0	-28.42	PASS
Band7	20MHz	16QAM	21350	100RB#0	-30.66	PASS

Test Graphs



Spectrum Analyzer 1

Spurious Emissions

KEYSIGHT

Input RF

Input Z: 50 Ω

Atten: 40 dB

Trig: Free Run

Center Freq: 22.005000000 GHz

R.L.

Coupling: DC

Corr: C/Corr

Gate: Off

Aug/Hold: 10/10

Align: Auto/No RF

Freq Ref: Int (S)

Preamp: Off

IF Gain: Low

Radio Std: None

3 All Range Graph

Scale/Div: 10.0 dB

Log

Ref Lvl Offset: 7.47 dB

Ref Value: 25.00 dBm

Start: 2.488 GHz

Stop: 2.505 GHz

4 All Range Table

Measure Trace

Trace Type

Trace 1

Trace Average (Active)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4880 GHz	2.4905 GHz	1.000 MHz	2.4903950000 GHz	-48.54 dBm	-23.54 dB
2	2	2.4905 GHz	2.4960 GHz	1.000 MHz	2.4959120000 GHz	-44.52 dBm	-31.52 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.4990000000 GHz	-40.75 dBm	-30.75 dB
4	4	2.4990 GHz	2.5000 GHz	100.0 kHz	2.5000000000 GHz	-26.47 dBm	-16.47 dB
5	5	2.5000 GHz	2.5050 GHz	100.0 kHz	2.5050000000 GHz	-18.54 dBm	-33.16 dB

Dec 05, 2024

11:08:12 AM

Band7_5MHz_16QAM_20775_1RB#0

Spectrum Analyzer 1

Spurious Emissions

KEYSIGHT

Input RF

Input Z: 50 Ω

Atten: 40 dB

Trig: Free Run

Center Freq: 22.005000000 GHz

R.L.

Coupling: DC

Corr: C/Corr

Gate: Off

Aug/Hold: 10/10

Align: Auto/No RF

Freq Ref: Int (S)

Preamp: Off

IF Gain: Low

Radio Std: None

3 All Range Graph

Scale/Div: 10.0 dB

Log

Ref Lvl Offset: 7.47 dB

Ref Value: 25.00 dBm

Start: 2.488 GHz

Stop: 2.505 GHz

4 All Range Table

Measure Trace

Trace Type

Trace 1

Trace Average (Active)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4880 GHz	2.4905 GHz	1.000 MHz	2.4901800000 GHz	-48.68 dBm	-23.68 dB
2	2	2.4905 GHz	2.4960 GHz	1.000 MHz	2.4958240000 GHz	-46.11 dBm	-33.11 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.4983580000 GHz	-45.05 dBm	-35.05 dB
4	4	2.4990 GHz	2.5000 GHz	100.0 kHz	2.5000000000 GHz	-48.79 dBm	-38.79 dB
5	5	2.5000 GHz	2.5050 GHz	100.0 kHz	2.5048800000 GHz	-16.87 dBm	-33.13 dB

Dec 05, 2024

11:12:51 AM

Band7_5MHz_QPSK_20775_1RB#24

Spectrum Analyzer 1

Spurious Emissions

KEYSIGHT

Input RF

Input Z: 50 Ω

Atten: 40 dB

Trig: Free Run

Center Freq: 22.005000000 GHz

R.L.

Coupling: DC

Corr: C/Corr

Gate: Off

Aug/Hold: 10/10

Align: Auto/No RF

Freq Ref: Int (S)

Preamp: Off

IF Gain: Low

Radio Std: None

3 All Range Graph

Scale/Div: 10.0 dB

Log

Ref Lvl Offset: 7.47 dB

Ref Value: 25.00 dBm

Start: 2.488 GHz

Stop: 2.505 GHz

4 All Range Table

Measure Trace

Trace Type

Trace 1

Trace Average (Active)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4880 GHz	2.4905 GHz	1.000 MHz	2.4903600000 GHz	-43.13 dBm	-18.13 dB
2	2	2.4905 GHz	2.4960 GHz	1.000 MHz	2.4960000000 GHz	-31.41 dBm	-18.41 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.4990000000 GHz	-28.59 dBm	-18.59 dB
4	4	2.4990 GHz	2.5000 GHz	100.0 kHz	2.5000000000 GHz	-32.75 dBm	-22.75 dB
5	5	2.5000 GHz	2.5050 GHz	100.0 kHz	2.5033400000 GHz	-17.82 dBm	-48.22 dB

Dec 05, 2024

11:14:40 AM

Band7_5MHz_QPSK_20775_25RB#0

Spectrum Analyzer 1

Spurious Emissions

KEYSIGHT

Input RF

Input Z: 50 Ω

Atten: 40 dB

Trig: Free Run

Center Freq: 22.005000000 GHz

R.L.

Coupling: DC

Corr: C/Corr

Gate: Off

Aug/Hold: 10/10

Align: Auto/No RF

Freq Ref: Int (S)

Preamp: Off

IF Gain: Low

Radio Std: None

3 All Range Graph

Scale/Div: 10.0 dB

Log

Ref Lvl Offset: 7.47 dB

Ref Value: 25.00 dBm

Start: 2.488 GHz

Stop: 2.505 GHz

4 All Range Table

Measure Trace

Trace Type

Trace 1

Trace Average (Active)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4880 GHz	2.4905 GHz	1.000 MHz	2.4905000000 GHz	-43.84 dBm	-18.84 dB
2	2	2.4905 GHz	2.4960 GHz	1.000 MHz	2.4960000000 GHz	-32.60 dBm	-19.60 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.4988860000 GHz	-27.95 dBm	-17.95 dB
4	4	2.4990 GHz	2.5000 GHz	100.0 kHz	2.5000000000 GHz	-33.40 dBm	-23.40 dB
5	5	2.5000 GHz	2.5050 GHz	100.0 kHz	2.5033100000 GHz	-11.04 dBm	-48.90 dB

Dec 05, 2024

11:16:29 AM

Band7_5MHz_16QAM_20775_25RB#0









