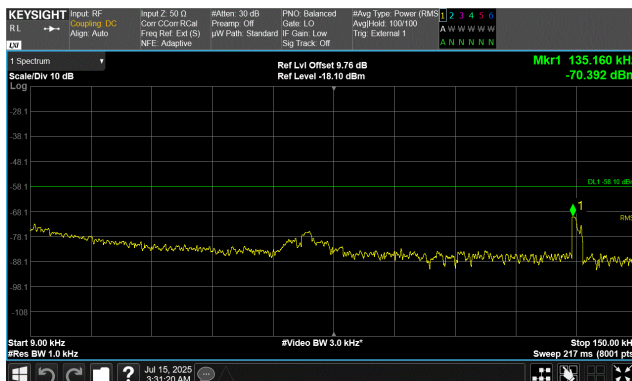
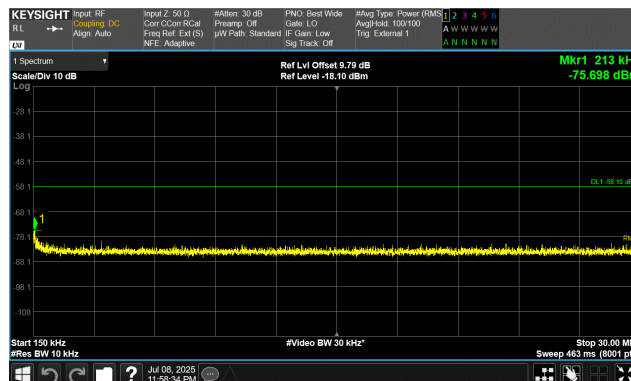


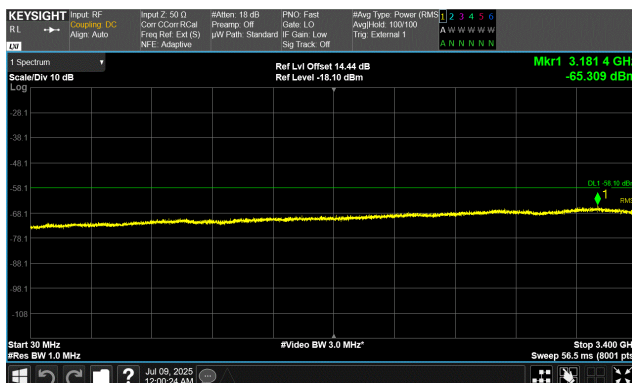
SPURIOUS CONDUCTED EMISSIONS - MULTIBAND



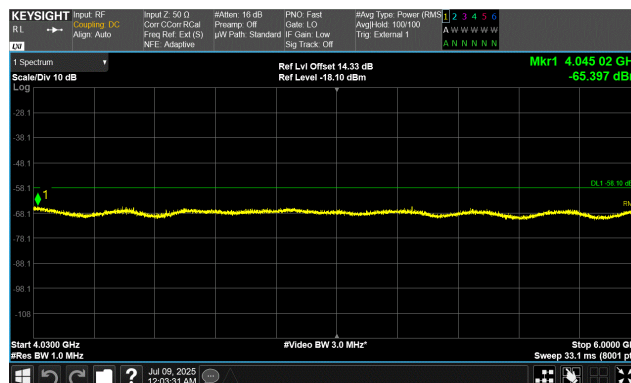
Test Case A
9 kHz to 150 kHz



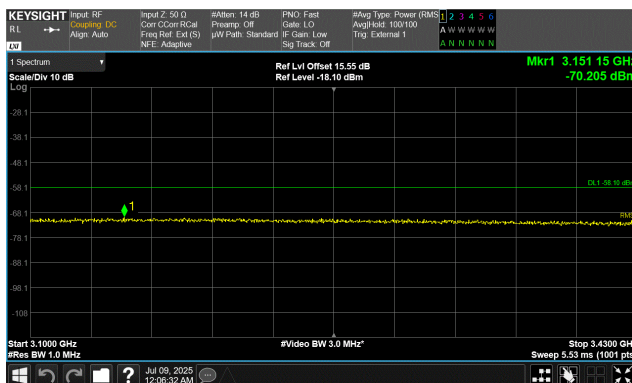
Test Case A
150 kHz to 30 MHz



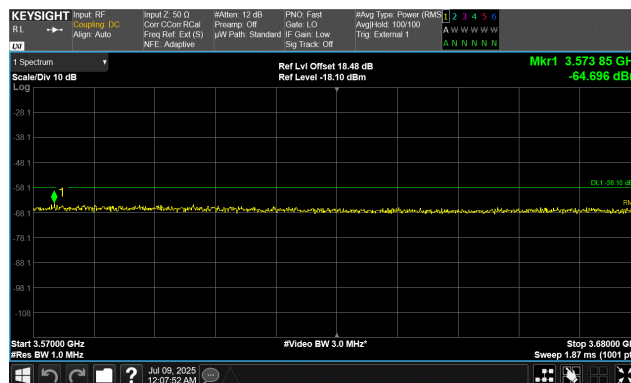
Test Case A
30 MHz to 3400 MHz



Test Case A
4030 MHz to 6000 MHz

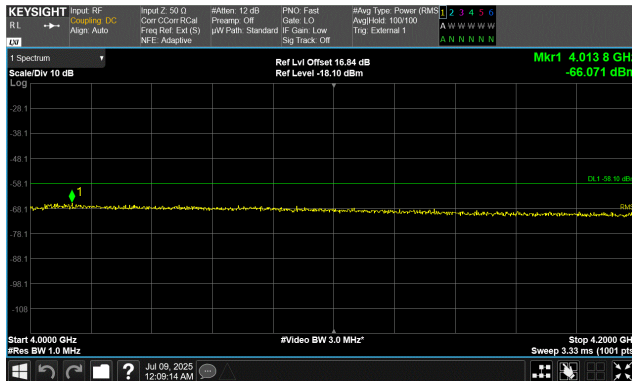


Test Case A
3100 MHz to 3430 MHz



Test Case A
3570 MHz to 3680 MHz

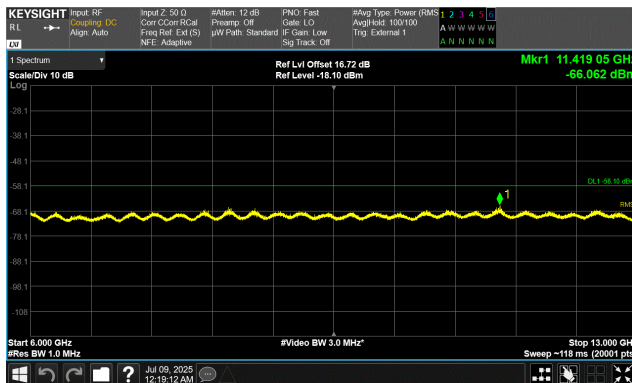
SPURIOUS CONDUCTED EMISSIONS - MULTIBAND



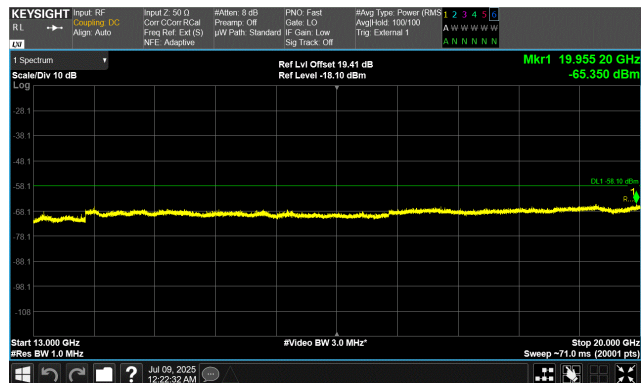
Test Case A
4000 MHz to 4200 MHz



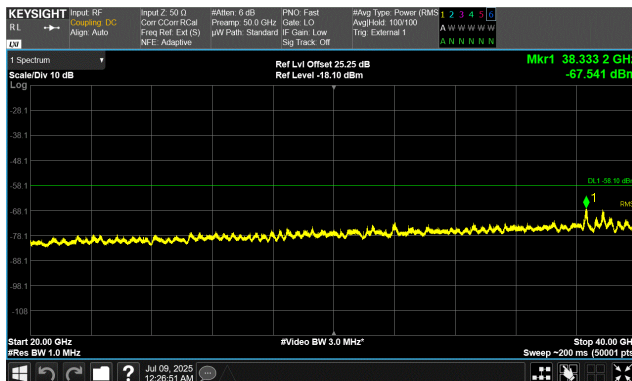
Test Case A
3400 MHz to 4030 MHz



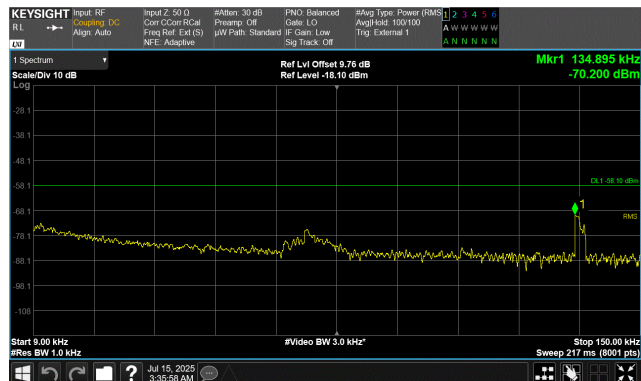
Test Case A
6 GHz to 13 GHz



Test Case A
13 GHz to 20 GHz

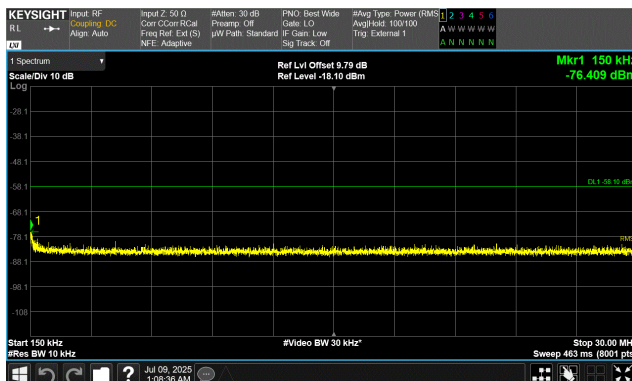


Test Case A
20 GHz to 40 GHz

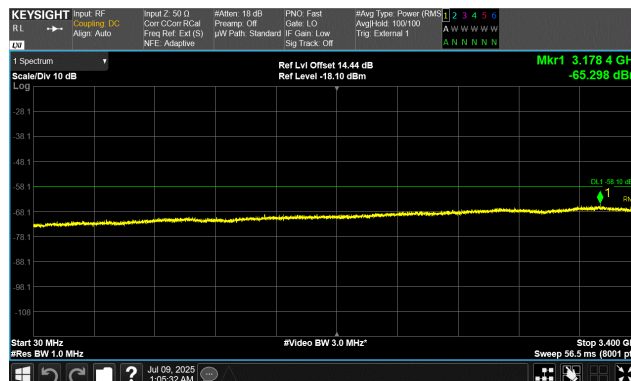


Test Case B
9 kHz to 150 kHz

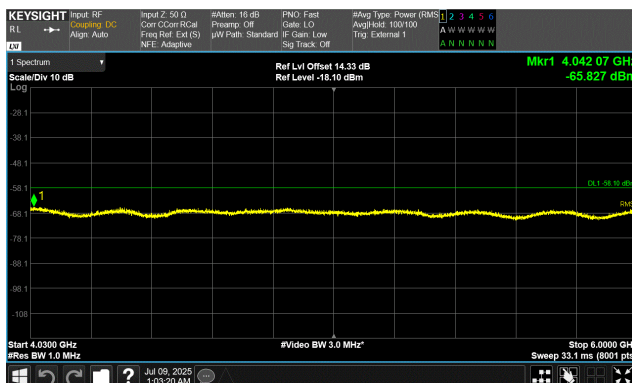
SPURIOUS CONDUCTED EMISSIONS - MULTIBAND



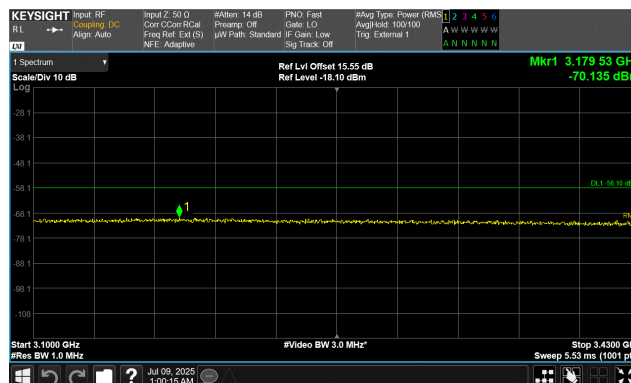
Test Case B
150 kHz to 30 MHz



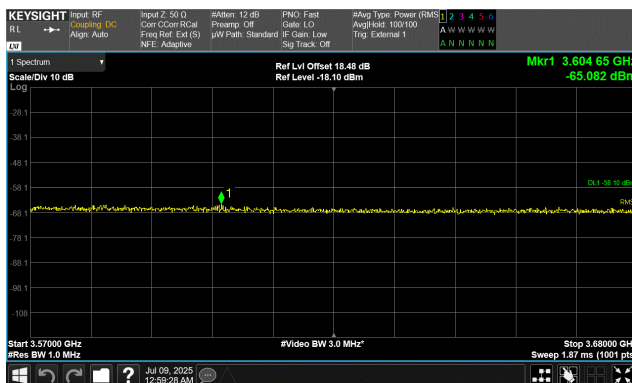
Test Case B
30 MHz to 3400 MHz



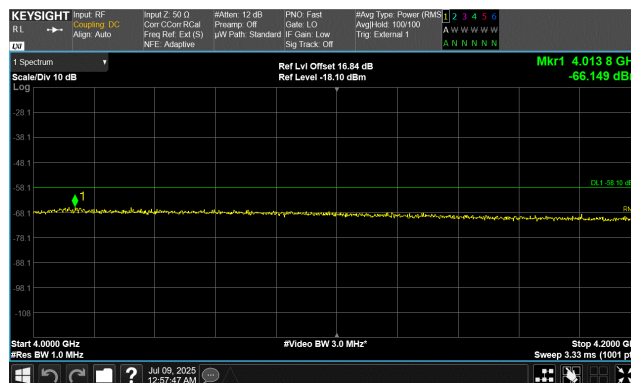
Test Case B
4030 MHz to 6000 MHz



Test Case B
3100 MHz to 3430 MHz

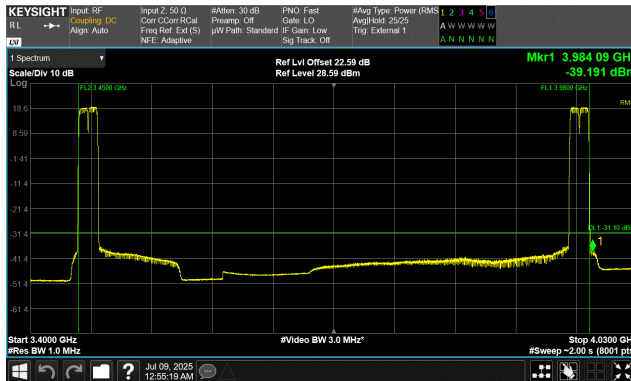


Test Case B
3570 MHz to 3680 MHz

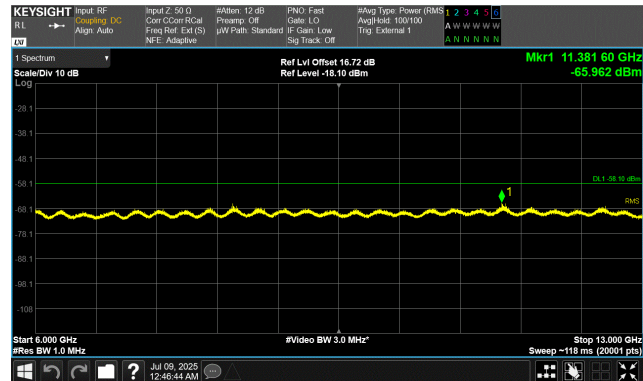


Test Case B
4000 MHz to 4200 MHz

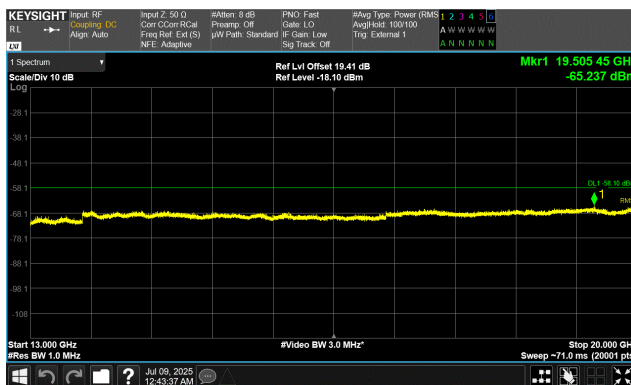
SPURIOUS CONDUCTED EMISSIONS - MULTIBAND



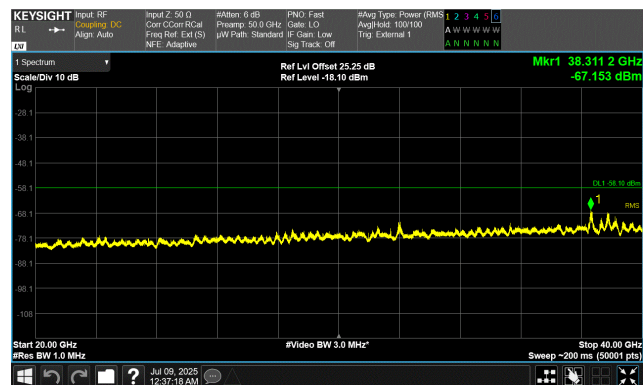
Test Case B
3400 MHz to 4030 MHz



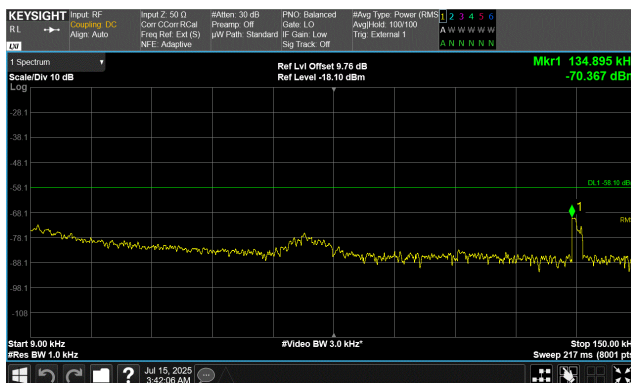
Test Case B
6 GHz to 13 GHz



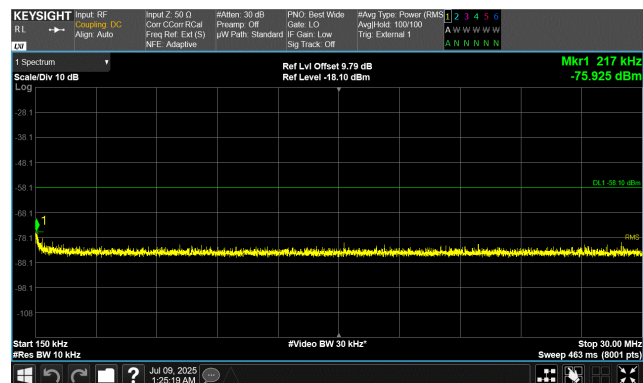
Test Case B
13 GHz to 20 GHz



Test Case B
20 GHz to 40 GHz

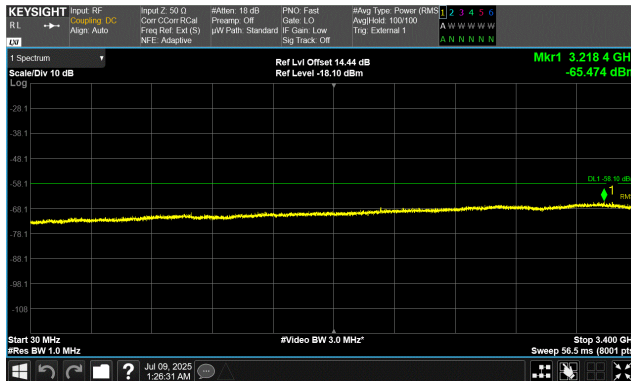


Test Case C
9 kHz to 150 kHz

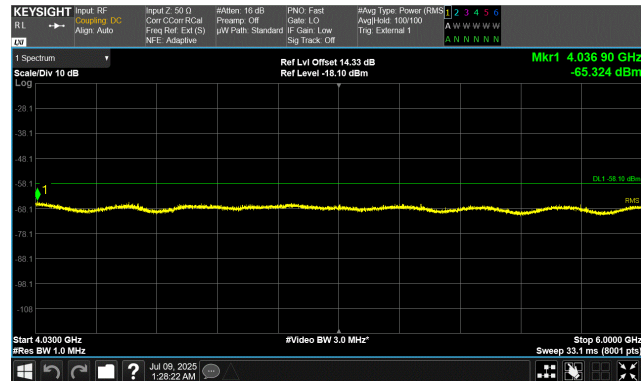


Test Case C
150 kHz to 30 MHz

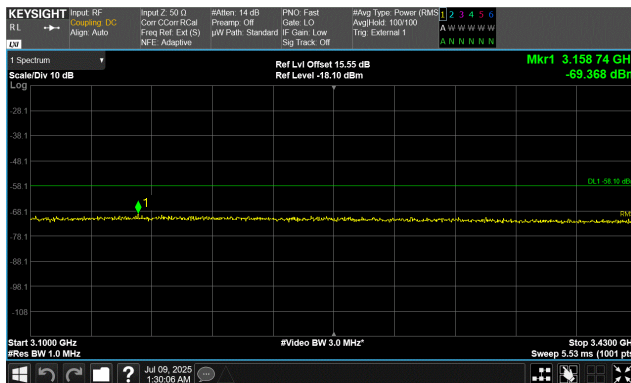
SPURIOUS CONDUCTED EMISSIONS - MULTIBAND



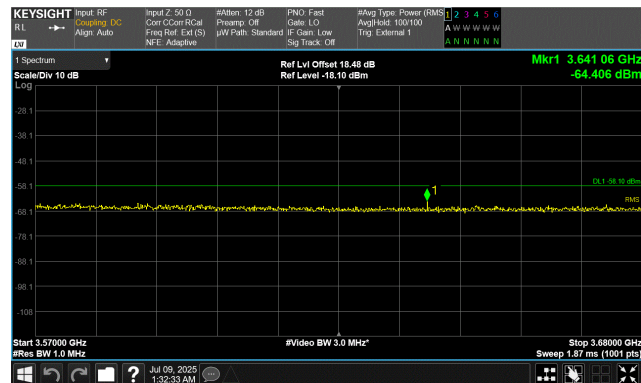
Test Case C
30 MHz to 3400 MHz



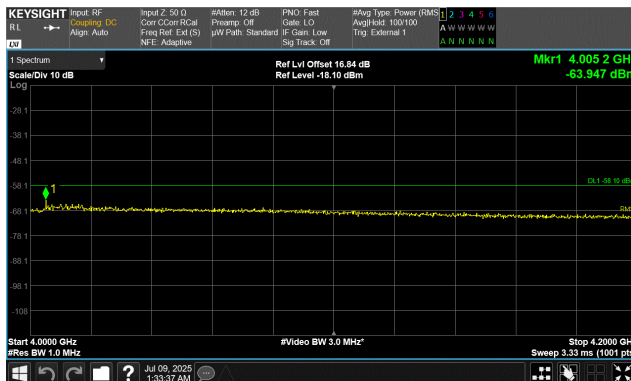
Test Case C
4030 MHz to 6000 MHz



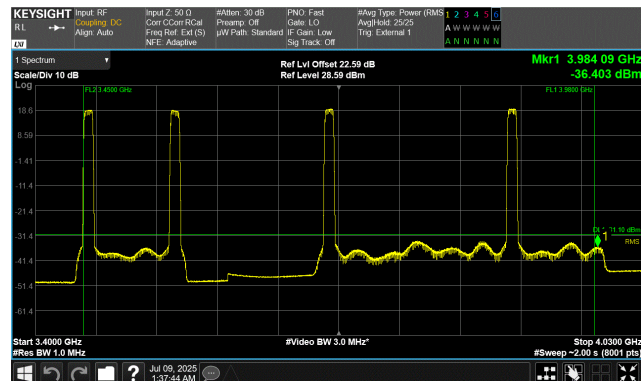
Test Case C
3100 MHz to 3430 MHz



Test Case C
3570 MHz to 3680 MHz

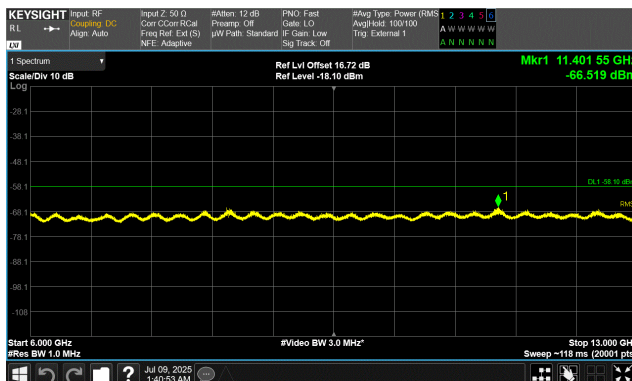


Test Case C
4000 MHz to 4200 MHz

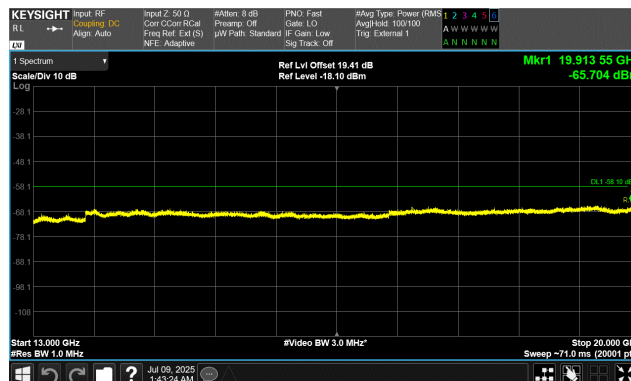


Test Case C
3400 MHz to 4030 MHz

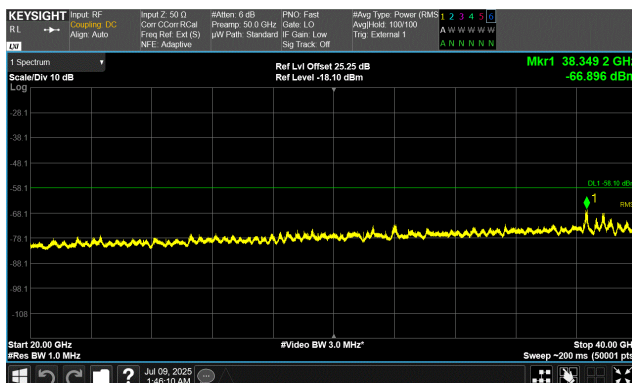
SPURIOUS CONDUCTED EMISSIONS - MULTIBAND



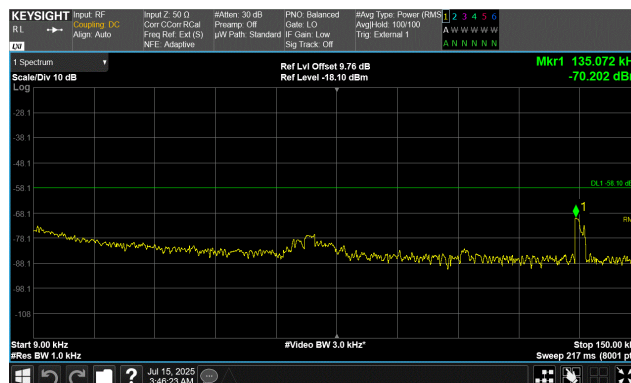
Test Case C
6 GHz to 13 GHz



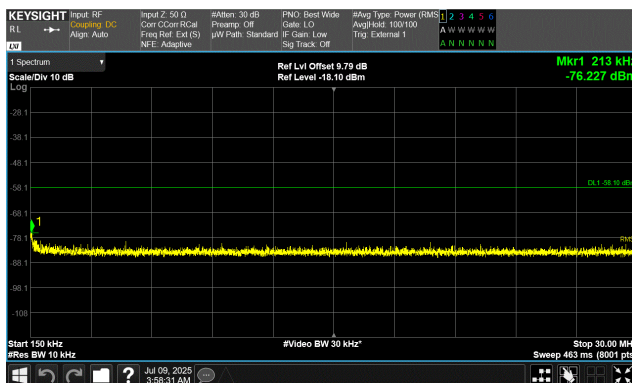
Test Case C
13 GHz to 20 GHz



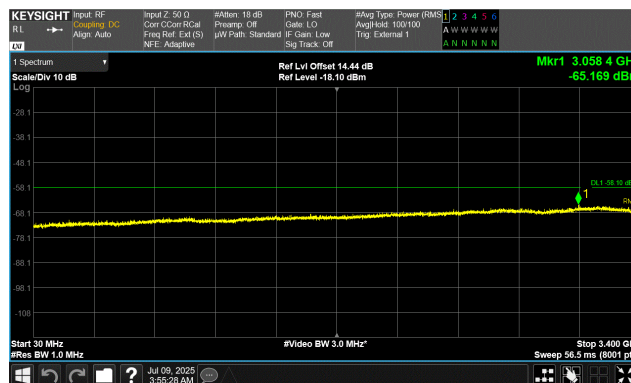
Test Case C
20 GHz to 40 GHz



Test Case D
9 kHz to 150 kHz

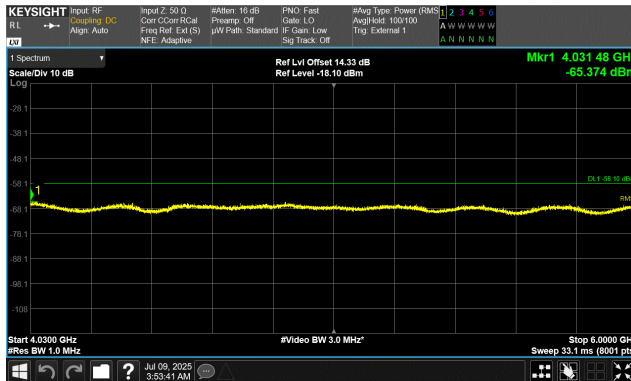


Test Case D
150 kHz to 30 MHz

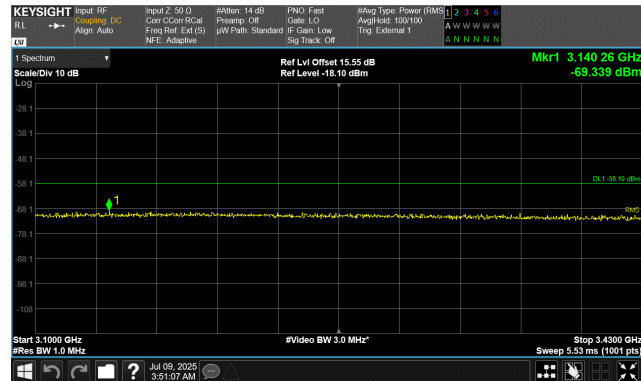


Test Case D
30 MHz to 3400 MHz

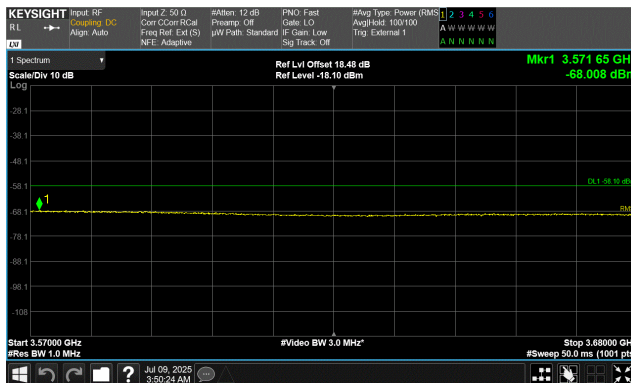
SPURIOUS CONDUCTED EMISSIONS - MULTIBAND



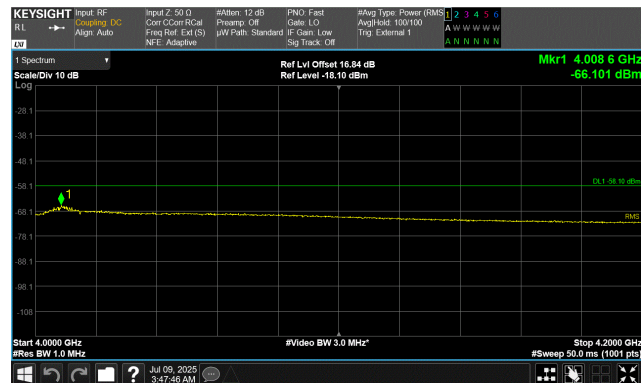
Test Case D
4030 MHz to 6000 MHz



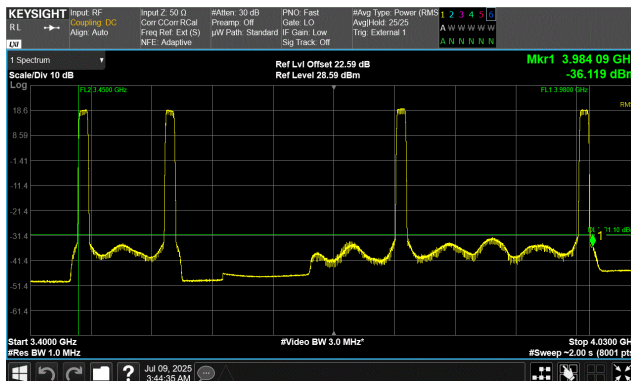
Test Case D
3100 MHz to 3430 MHz



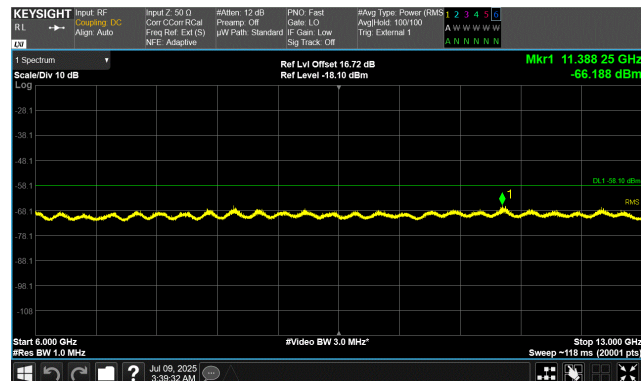
Test Case D
3570 MHz to 3680 MHz



Test Case D
4000 MHz to 4200 MHz

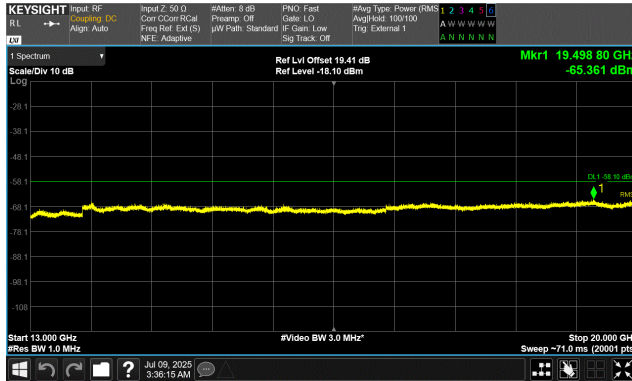


Test Case D
3400 MHz to 4030 MHz

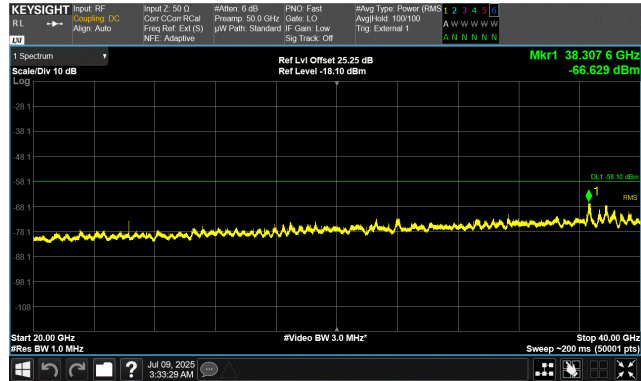


Test Case D
6 GHz to 13 GHz

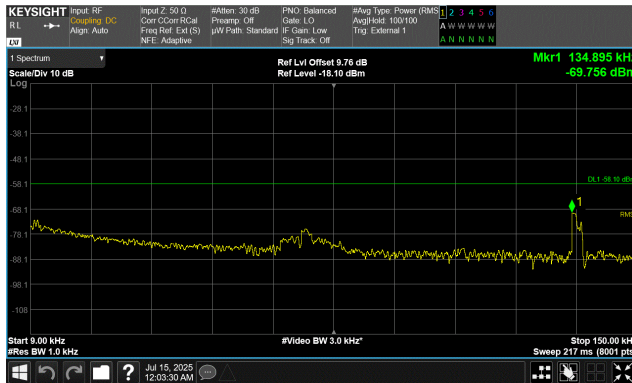
SPURIOUS CONDUCTED EMISSIONS - MULTIBAND



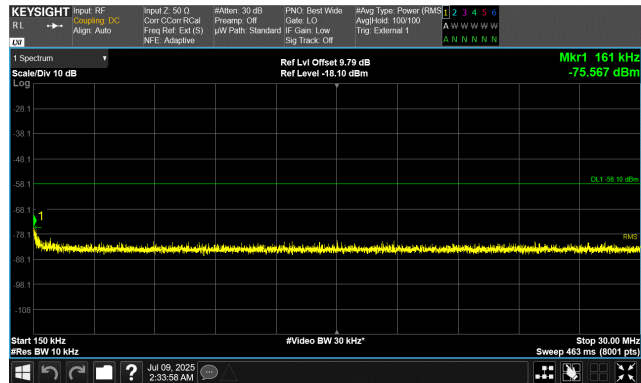
Test Case D
13 GHz to 20 GHz



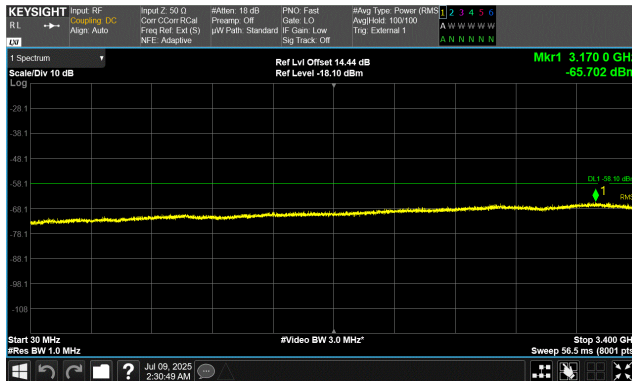
Test Case D
20 GHz to 40 GHz



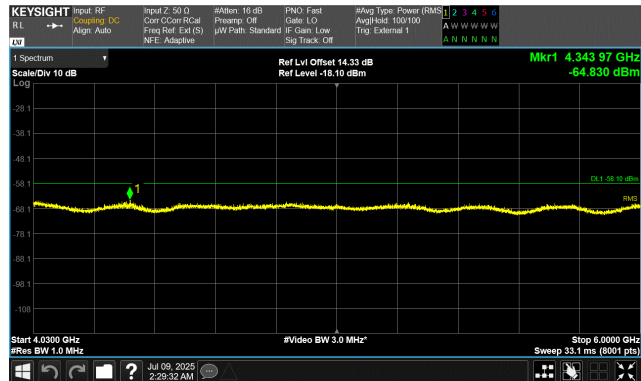
Test Case E
9 kHz to 150 kHz



Test Case E
150 kHz to 30 MHz

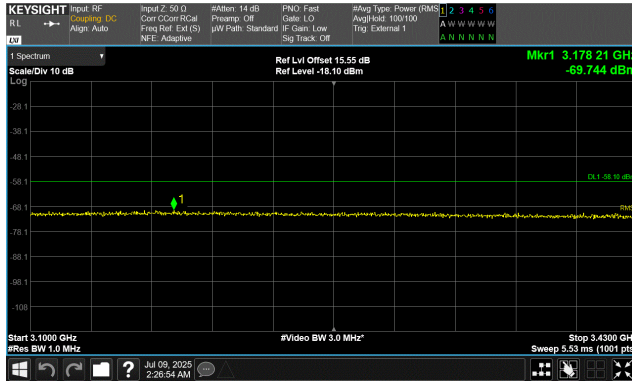


Test Case E
30 MHz to 3400 MHz

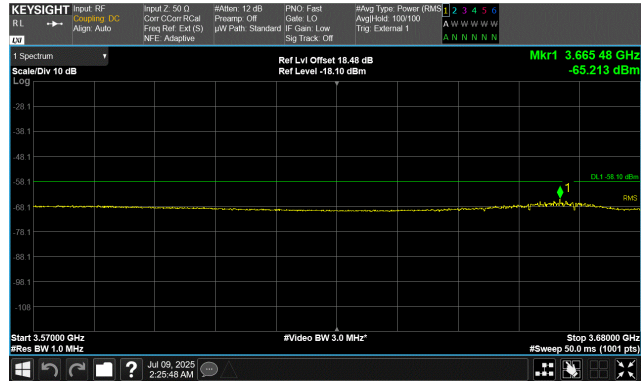


Test Case E
4030 MHz to 6000 MHz

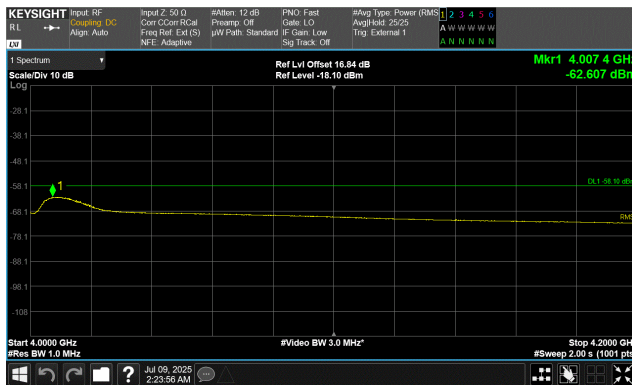
SPURIOUS CONDUCTED EMISSIONS - MULTIBAND



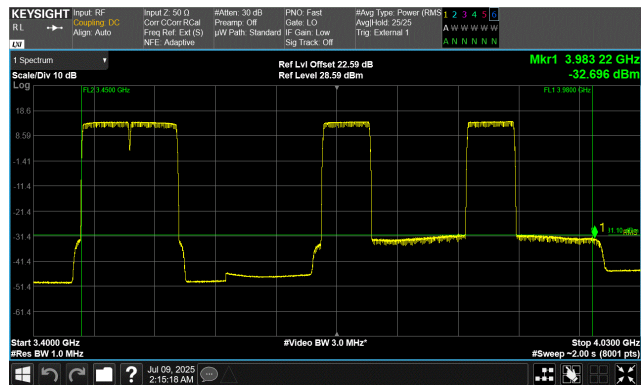
Test Case E
3100 MHz to 3430 MHz



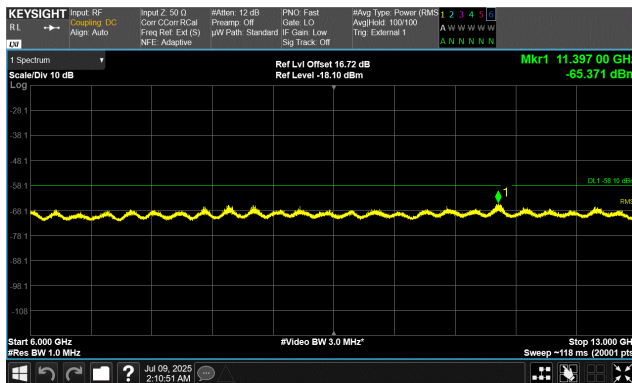
Test Case E
3570 MHz to 3680 MHz



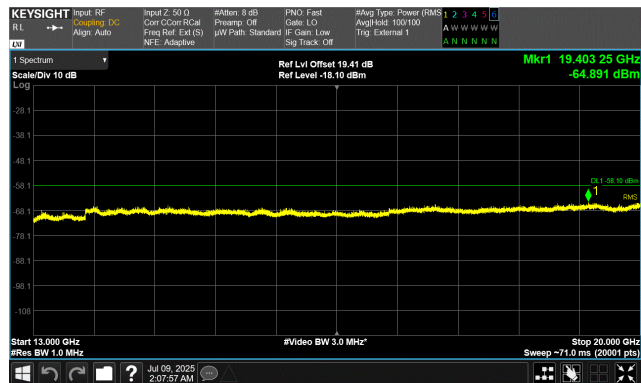
Test Case E
4000 MHz to 4200 MHz



Test Case E
3400 MHz to 4030 MHz

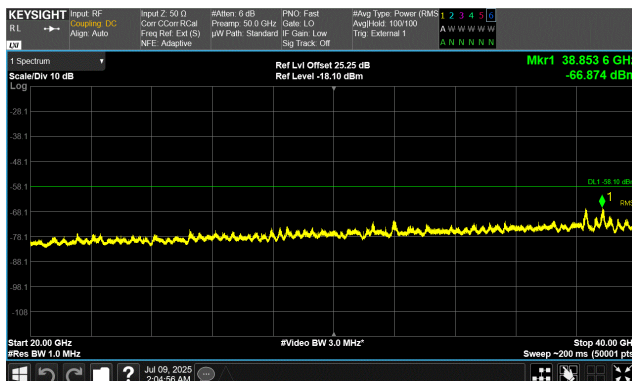


Test Case E
6 GHz to 13 GHz

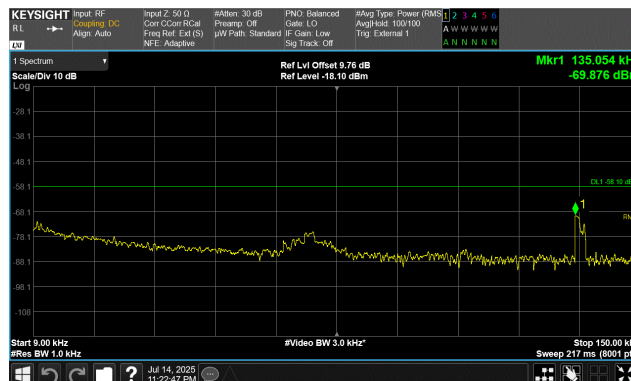


Test Case E
13 GHz to 20 GHz

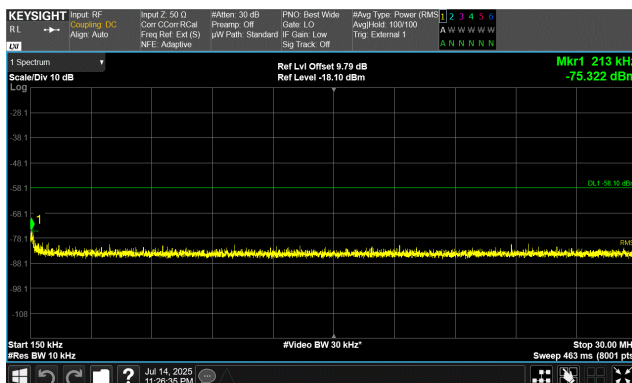
SPURIOUS CONDUCTED EMISSIONS - MULTIBAND



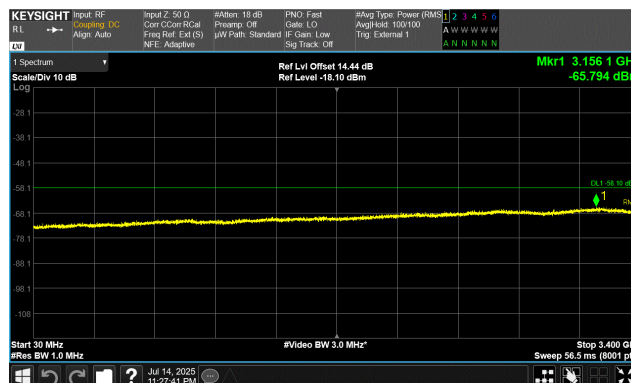
Test Case E
20 GHz to 40 GHz



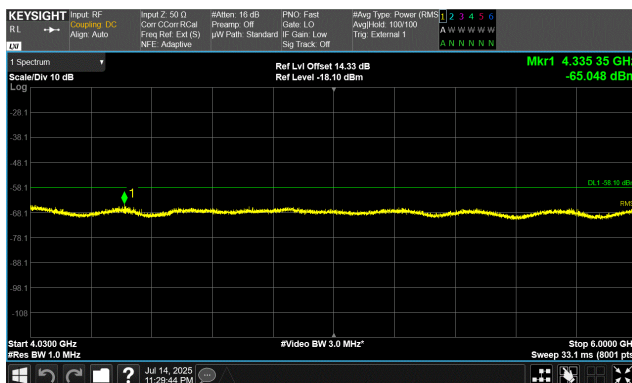
Test Case F
9 kHz to 150 kHz



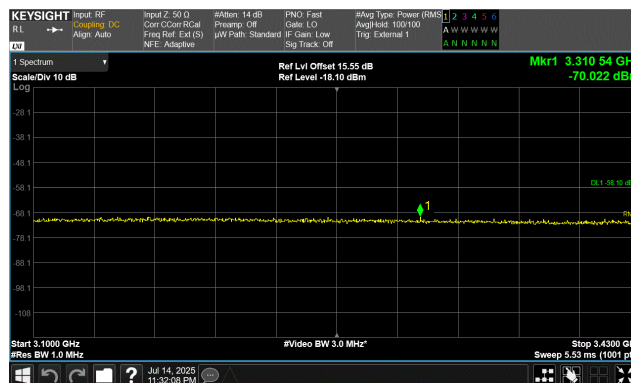
Test Case F
150 kHz to 30 MHz



Test Case F
30 MHz to 3400 MHz

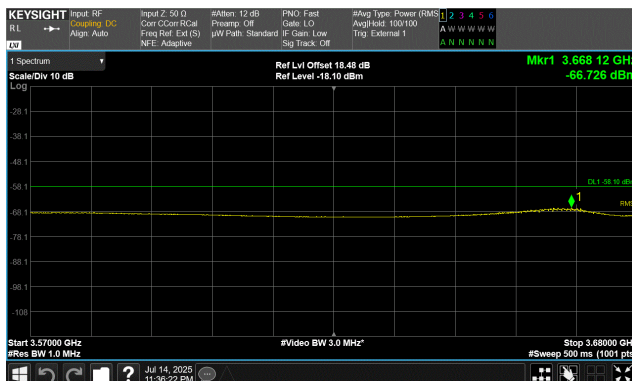


Test Case F
4030 MHz to 6000 MHz

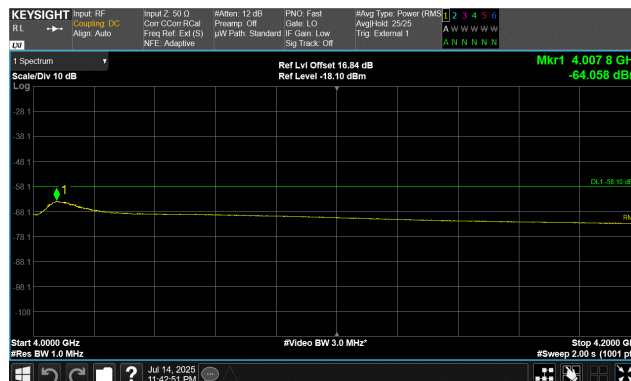


Test Case F
3100 MHz to 3430 MHz

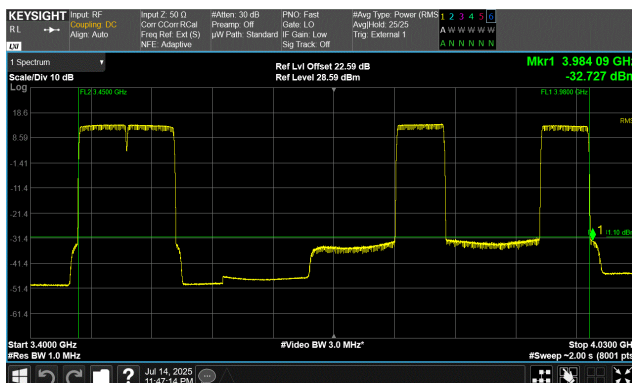
SPURIOUS CONDUCTED EMISSIONS - MULTIBAND



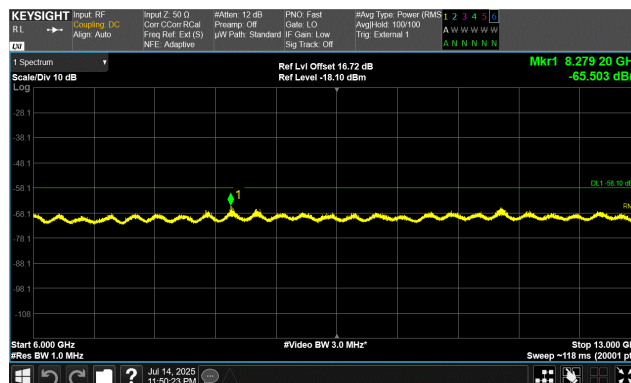
Test Case F
3570 MHz to 3680 MHz



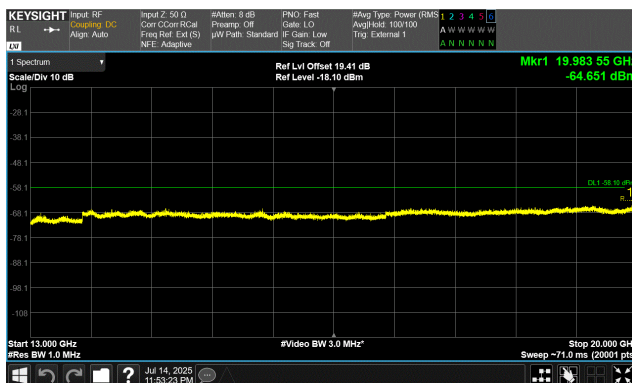
Test Case F
4000 MHz to 4200 MHz



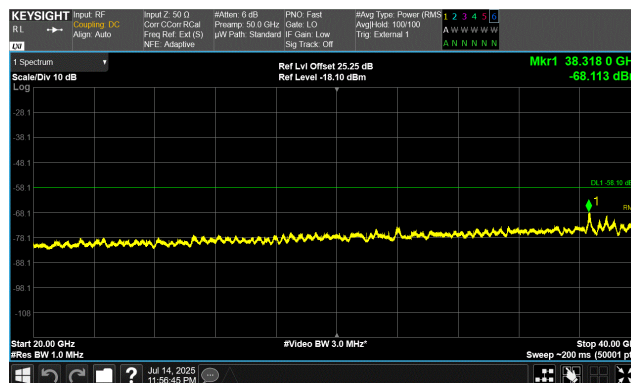
Test Case F
3400 MHz to 4030 MHz



Test Case F
6 GHz to 13 GHz



Test Case F
13 GHz to 20 GHz



Test Case F
20 GHz to 40 GHz

SPURIOUS RADIATED EMISSIONS

TEST DESCRIPTION

The EUT was configured for the required transmit frequencies and the modes as showed in the data sheets.

For each configuration, the spectrum was scanned throughout the specified range as part of the exploratory investigation of the emissions. A reference preview scan (pre-scan) is included in the report. Final measurements on individual emissions were then made and included in this test report.

The individual emissions from the EUT were maximized by rotating the EUT on a turntable and adjusting the measurement antenna height and polarization (per ANSI C63.10). A preamp and high pass filter (and notch filter) were used for this test in order to provide sufficient measurement sensitivity.

Measurements were made with the required detectors and annotated on the data for each individual point using the following annotation:

AV = RMS Detector

Measurements were made to satisfy the specific requirements of the test specification for out of band emissions.

If there are no detectable emissions above the noise floor, the data included may show noise floor measurements for reference only.

The test setups and measurement methods are detailed in KDB971168 D01v03 sections 6 & 7 and ANSI C63.26-2015. Per FCC 2.1057(a)(1), the upper level of measurement is the 10th harmonic of the highest fundamental frequency. As such, the upper level of the measurement is approximately 36 GHz (3550 MHz * 10) for the AVQQA RU 3.45G Band and approximately 40 GHz (3980 MHz * 10) for the AVQQA RU 3.7G Band. The radiated emissions limits are defined in FCC 27.53(l & n). The radiated emissions limits are shown in Table 3 with all antenna ports enabled. The limit is not required to be reduced by 10Log (# of antennas) because all antenna ports are enabled for this test and terminated into 50 ohms loads.

SPURIOUS RADIATED EMISSIONS

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Antenna - Double Ridge	ETS Lindgren	3115	AJN	2024-09-27	2026-09-27
Cable	Element	None	TXM	2025-07-08	2026-07-08
Amplifier - Pre-Amplifier	Miteq	AMF-3D-00100800-32-13P	PAJ	2025-02-12	2026-02-12
Attenuator	Weinschel Corp	4H-10	AWA	2025-02-12	2026-02-12
Antenna - Standard Gain	ETS Lindgren	3160-07	AJF	2025-01-06	2026-01-06
Cable	Element	None	TXO	2025-07-08	2026-07-08
Amplifier - Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	PAK	2024-08-29	2025-08-29
Antenna - Standard Gain	ETS Lindgren	3160-08	AJG	2025-01-06	2026-01-06
Amplifier - Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	PAL	2024-08-29	2025-08-29
Antenna - Double Ridge	A.H. Systems, Inc.	SAS-574	AXW	2024-09-17	2026-09-17
Cable	Northwest EMC	18-40GHz	TXE	2024-08-30	2025-08-30
Amplifier - Pre-Amplifier	Miteq	JSDWK42-18004000-60-5P	PAM	2024-08-30	2025-08-30
Antenna - Biconilog	ETS Lindgren	3142D	ASW	2025-04-09	2026-04-09
Amplifier - Pre-Amplifier	Fairview Microwave	FMAM63001	PAS	2025-02-12	2026-02-12
Filter - Low Pass	Micro-Tronics	LPM50004	HHV	2024-07-23	2025-07-23
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFL	2025-04-14	2026-04-14

FREQUENCY RANGE INVESTIGATED

30 MHz TO 40 GHz

POWER INVESTIGATED

54 VDC

CONFIGURATIONS INVESTIGATED

NOKI0086-6

MODES INVESTIGATED

Transmitting, Test Case 1; Multi-mode: Low Channel (3475.02 MHz), NR50, QPSK and Low Channel (3705.00 MHz), NR10, QPSK

Transmitting, Test Case 2; Multi-mode: Middle Channel (3500.01 MHz), NR50, QPSK and Middle Channel (3840.00 MHz), NR10, QPSK

Transmitting, Test Case 3; Multi-mode: High Channel (3525.00 MHz), NR50, QPSK and High Channel (3975.00 MHz), NR10, QPSK

Transmitting, Test Case 4; Multi-mode: Low Channel (3745.02 MHz), NR90, QPSK

Transmitting, Test Case 5; Multi-mode: High Channel (3934.98 MHz), NR90, QPSK

Transmitting, Test Case 6; Multi-mode: Middle Channel (3840.00 MHz), NR90, QPSK

Transmitting, Test Case 7; Multi-mode: Low Channel (3475.02 MHz, NR50, QPSK), High Channel (3525.00 MHz, NR50, QPSK), High Channel (3805.02 MHz, NR50, QPSK), and High Channel (3954.99 MHz, NR50, QPSK)

Transmitting, Test Case 8; Multi-mode: Low Channel (3455.01 MHz, NR10, QPSK), High Channel (3544.98 MHz, NR10, QPSK), Low Channel (3705.00 MHz, NR10, QPSK), and High Channel (3894.99 MHz, NR10, QPSK)

SPURIOUS RADIATED EMISSIONS



EUT:	Airscale Base Transceiver Station Radio Unit Model AVQQA	Work Order:	NOKI0086
Serial Number:	L1242501908	Date:	2025-07-09
Customer:	Nokia Solutions and Networks	Temperature:	22.8°C
Attendees:	John Rattanaovong	Relative Humidity:	48%
Customer Project:	None	Bar. Pressure (PMSL):	1017 mb
Tested By:	Jarrold Brenden	Job Site:	PT01
Power:	54 VDC	Configuration:	NOKI0086-6

TEST PARAMETERS

Run #:	4	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

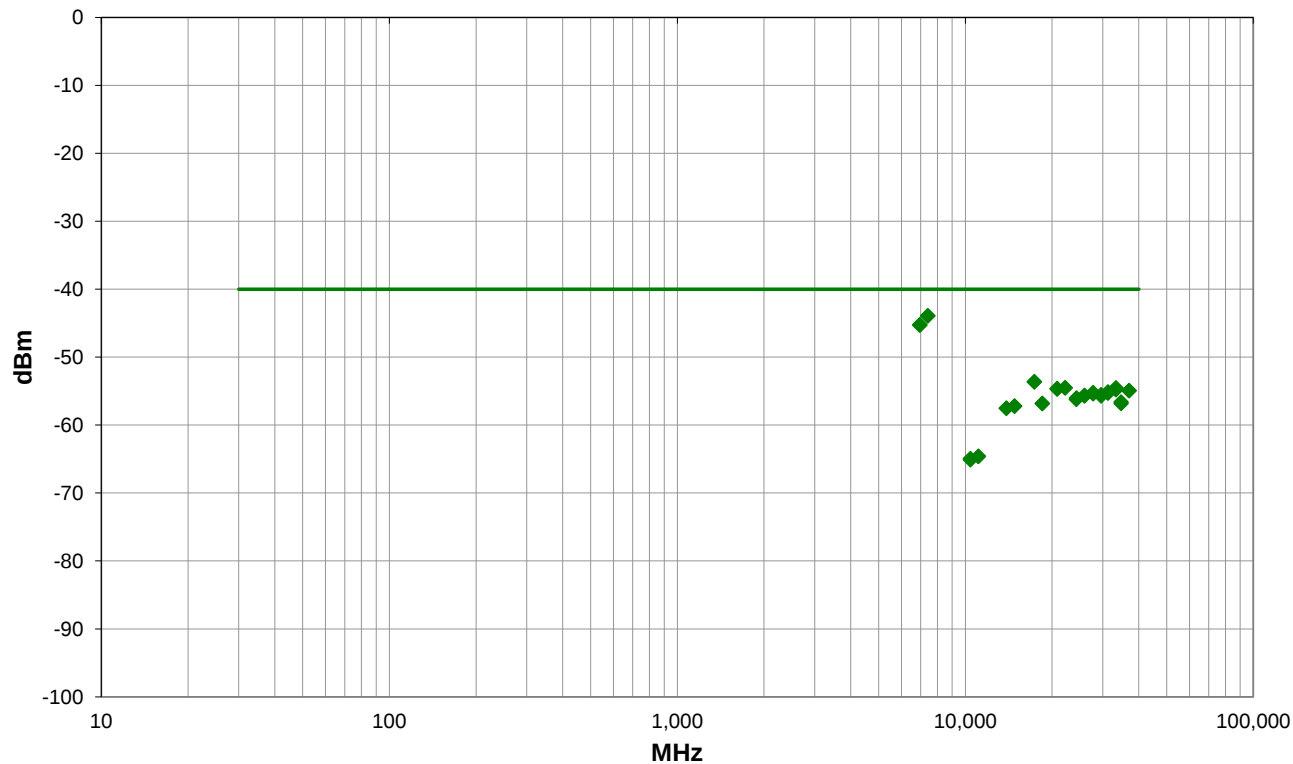
Pole mounted radio. TAB ports routed to 50 ohm terminators. The average emissions were duty cycle corrected up to 100% per the guidance provided in ANSI C63.26:2015 section 5.7.3 (d)(3): $10 \cdot \log(1/\text{Duty Cycle (in dec)})$. The measured duty cycle was seen to be 74% and applied as $10 \cdot \log(1/0.74) = 1.3 \text{ dB}$ upward correction. More restrictive limit applied between 3430-3570 MHz per customer test plan.

EUT OPERATING MODES

Transmitting, Test Case 1; Multi-mode: Low Channel (3475.02 MHz), NR50, QPSK and Low Channel (3705.00 MHz), NR10, QPSK

DEVIATIONS FROM TEST STANDARD

None



Run #: 4

PK AV QP

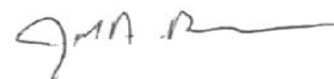
SPURIOUS RADIATED EMISSIONS

RESULTS - Run #4

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)
7408.092	1.5	128.0	Horz	AV	40.5E-9	-43.9	-40.0	-3.9
7407.567	1.5	13.0	Vert	AV	40.5E-9	-43.9	-40.0	-3.9
6951.290	1.5	298.0	Horz	AV	30.0E-9	-45.2	-40.0	-5.2
6951.448	1.5	252.0	Vert	AV	29.3E-9	-45.3	-40.0	-5.3
17376.360	4.0	148.0	Horz	AV	4.3E-9	-53.6	-40.0	-13.6
17377.090	1.5	110.0	Vert	AV	4.3E-9	-53.6	-40.0	-13.6
22232.490	1.5	150.0	Vert	AV	3.5E-9	-54.5	-40.0	-14.5
22229.530	1.5	94.0	Horz	AV	3.5E-9	-54.5	-40.0	-14.5
33347.490	1.5	279.0	Vert	AV	3.5E-9	-54.5	-40.0	-14.5
20851.700	1.5	10.0	Vert	AV	3.4E-9	-54.6	-40.0	-14.6
20848.280	1.5	8.0	Horz	AV	3.4E-9	-54.7	-40.0	-14.7
33347.160	1.5	135.0	Horz	AV	3.3E-9	-54.8	-40.0	-14.8
37051.900	1.5	20.0	Vert	AV	3.2E-9	-54.9	-40.0	-14.9
37051.930	1.5	49.0	Horz	AV	3.2E-9	-54.9	-40.0	-14.9
31277.570	1.5	239.0	Vert	AV	3.1E-9	-55.1	-40.0	-15.1
27801.100	1.5	150.0	Vert	AV	3.0E-9	-55.2	-40.0	-15.2
31276.420	1.5	193.0	Horz	AV	2.9E-9	-55.3	-40.0	-15.3
27799.450	1.5	168.0	Horz	AV	2.9E-9	-55.4	-40.0	-15.4
29637.530	1.5	139.0	Vert	AV	2.8E-9	-55.5	-40.0	-15.5
25932.500	1.5	331.0	Vert	AV	2.7E-9	-55.6	-40.0	-15.6
25932.500	1.5	0.0	Horz	AV	2.7E-9	-55.7	-40.0	-15.7
29637.620	1.5	330.0	Horz	AV	2.7E-9	-55.7	-40.0	-15.7
24324.930	1.5	71.0	Vert	AV	2.5E-9	-56.0	-40.0	-16.0
24322.810	1.5	128.0	Horz	AV	2.4E-9	-56.2	-40.0	-16.2
34747.820	1.5	201.0	Vert	AV	2.2E-9	-56.6	-40.0	-16.6
18526.890	1.5	194.0	Vert	AV	2.1E-9	-56.8	-40.0	-16.8
18522.900	1.5	130.0	Horz	AV	2.1E-9	-56.8	-40.0	-16.8
34747.760	1.5	5.0	Horz	AV	2.1E-9	-56.8	-40.0	-16.8
14822.400	1.5	341.0	Horz	AV	1.9E-9	-57.2	-40.0	-17.2
14822.280	1.5	241.0	Vert	AV	1.9E-9	-57.2	-40.0	-17.2
13902.310	1.5	40.0	Horz	AV	1.8E-9	-57.5	-40.0	-17.5
13902.340	1.5	190.0	Vert	AV	1.8E-9	-57.5	-40.0	-17.5
11112.600	1.5	37.0	Horz	AV	344.4E-12	-64.6	-40.0	-24.6
11112.540	3.1	63.0	Vert	AV	344.4E-12	-64.6	-40.0	-24.6
10422.770	1.5	35.0	Vert	AV	321.5E-12	-64.9	-40.0	-24.9
10422.670	1.5	55.0	Horz	AV	307.0E-12	-65.1	-40.0	-25.1

CONCLUSION

Pass



Tested By

SPURIOUS RADIATED EMISSIONS



EUT:	Airscale Base Transceiver Station Radio Unit Model AVQQA	Work Order:	NOKI0086
Serial Number:	L1242501908	Date:	2025-07-09
Customer:	Nokia Solutions and Networks	Temperature:	22.8°C
Attendees:	John Rattanavong	Relative Humidity:	40%
Customer Project:	None	Bar. Pressure (PMSL):	1017 mb
Tested By:	Jarrod Brenden	Job Site:	PT01
Power:	54 VDC	Configuration:	NOKI0086-6

TEST PARAMETERS

Run #:	7	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

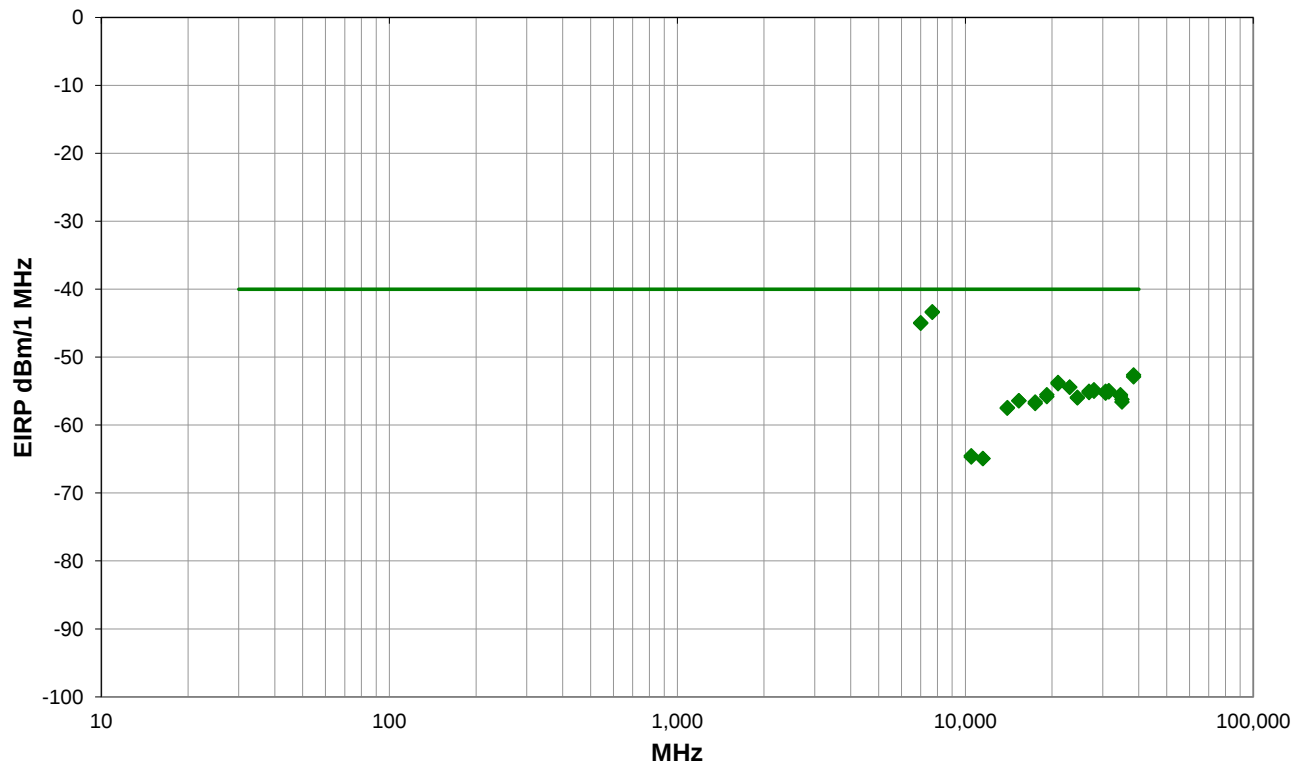
Pole mounted radio. TAB ports routed to 50 ohm terminators. The average emissions were duty cycle corrected up to 100% per the guidance provided in ANSI C63.26:2015 section 5.7.3 (d)(3): $10 \cdot \log(1/\text{Duty Cycle (in dec)})$. The measured duty cycle was seen to be 74% and applied as $10 \cdot \log(1/0.74) = 1.3 \text{ dB}$ upward correction. More restrictive limit applied between 3430-3570 MHz per customer test plan.

EUT OPERATING MODES

Transmitting, Test Case 2; Multi-mode: Middle Channel (3500.01 MHz), NR50, QPSK and Middle Channel (3840.00 MHz), NR10, QPSK

DEVIATIONS FROM TEST STANDARD

None



Run #: 7

PK AV QP

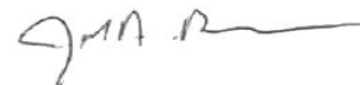
SPURIOUS RADIATED EMISSIONS

RESULTS - Run #7

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)
7677.725	3.1	218.0	Horz	AV	46.5E-9	-43.3	-40.0	-3.3
7677.792	3.0	13.0	Vert	AV	45.4E-9	-43.4	-40.0	-3.4
7002.328	1.5	176.0	Horz	AV	32.1E-9	-44.9	-40.0	-4.9
7001.853	1.5	222.0	Vert	AV	31.4E-9	-45.0	-40.0	-5.0
38397.530	1.5	68.0	Horz	AV	5.5E-9	-52.6	-40.0	-12.6
38397.780	1.5	232.0	Vert	AV	5.1E-9	-52.9	-40.0	-12.9
20998.070	1.5	55.0	Horz	AV	4.2E-9	-53.7	-40.0	-13.7
21000.690	1.5	14.0	Vert	AV	4.0E-9	-53.9	-40.0	-13.9
23042.030	1.5	119.0	Vert	AV	3.6E-9	-54.4	-40.0	-14.4
23041.480	1.5	226.0	Horz	AV	3.6E-9	-54.4	-40.0	-14.4
28002.420	1.5	350.0	Horz	AV	3.3E-9	-54.8	-40.0	-14.8
31498.100	1.5	227.0	Horz	AV	3.2E-9	-54.9	-40.0	-14.9
28002.560	1.5	139.0	Vert	AV	3.1E-9	-55.0	-40.0	-15.0
26882.080	1.5	31.0	Horz	AV	3.1E-9	-55.0	-40.0	-15.0
30722.380	1.5	81.0	Horz	AV	3.1E-9	-55.0	-40.0	-15.0
31497.920	1.5	35.0	Vert	AV	3.1E-9	-55.1	-40.0	-15.1
26882.490	1.5	44.0	Vert	AV	3.0E-9	-55.2	-40.0	-15.2
30722.480	1.5	235.0	Vert	AV	2.9E-9	-55.3	-40.0	-15.3
19198.780	1.5	219.0	Horz	AV	2.8E-9	-55.5	-40.0	-15.5
34557.530	1.5	343.0	Horz	AV	2.8E-9	-55.5	-40.0	-15.5
34557.750	1.5	360.0	Vert	AV	2.7E-9	-55.7	-40.0	-15.7
19200.040	1.5	255.0	Vert	AV	2.6E-9	-55.8	-40.0	-15.8
24497.740	1.5	318.0	Horz	AV	2.6E-9	-55.9	-40.0	-15.9
24497.850	1.5	25.0	Vert	AV	2.5E-9	-56.0	-40.0	-16.0
34997.760	1.5	156.0	Horz	AV	2.4E-9	-56.2	-40.0	-16.2
15361.870	2.3	267.0	Horz	AV	2.3E-9	-56.4	-40.0	-16.4
15361.830	1.5	124.0	Vert	AV	2.3E-9	-56.4	-40.0	-16.4
17500.480	1.5	123.0	Vert	AV	2.2E-9	-56.6	-40.0	-16.6
34997.720	1.5	193.0	Vert	AV	2.2E-9	-56.6	-40.0	-16.6
17501.210	1.8	223.0	Horz	AV	2.1E-9	-56.8	-40.0	-16.8
13998.920	1.5	219.0	Horz	AV	1.8E-9	-57.4	-40.0	-17.4
13997.780	1.5	120.0	Vert	AV	1.8E-9	-57.5	-40.0	-17.5
10499.050	1.5	21.0	Vert	AV	352.5E-12	-64.5	-40.0	-24.5
10499.240	1.5	205.0	Horz	AV	336.6E-12	-64.7	-40.0	-24.7
11517.500	1.5	153.0	Horz	AV	321.5E-12	-64.9	-40.0	-24.9
11517.550	1.5	292.0	Vert	AV	321.5E-12	-64.9	-40.0	-24.9

CONCLUSION

Pass



Tested By

SPURIOUS RADIATED EMISSIONS



EUT:	Airscale Base Transceiver Station Radio Unit Model AVQQA	Work Order:	NOKI0086
Serial Number:	L1242501908	Date:	2025-07-09
Customer:	Nokia Solutions and Networks	Temperature:	22.8°C
Attendees:	John Rattanavong	Relative Humidity:	44.4%
Customer Project:	None	Bar. Pressure (PMSL):	1017 mb
Tested By:	Jarrod Brenden	Job Site:	PT01
Power:	54 VDC	Configuration:	NOKI0086-6

TEST PARAMETERS

Run #:	10	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

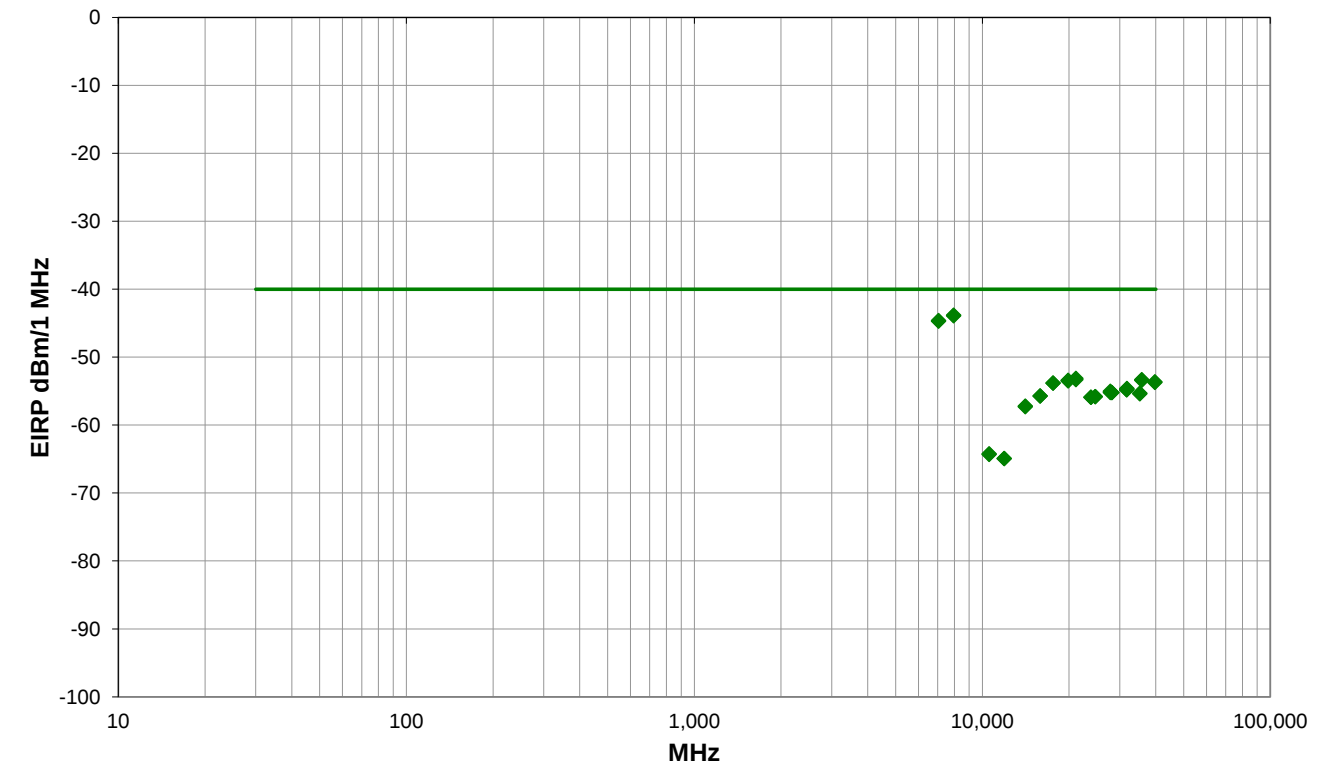
Pole mounted radio. TAB ports routed to 50 ohm terminators. The average emissions were duty cycle corrected up to 100% per the guidance provided in ANSI C63.26:2015 section 5.7.3 (d)(3): $10 \cdot \log(1/\text{Duty Cycle (in dec)})$. The measured duty cycle was seen to be 74% and applied as $10 \cdot \log(1/0.74) = 1.3$ dB upward correction. More restrictive limit applied between 3430-3570 MHz per customer test plan.

EUT OPERATING MODES

Transmitting, Test Case 3; Multi-mode: High Channel (3525.00 MHz), NR50, QPSK and High Channel (3975.00 MHz), NR10, QPSK

DEVIATIONS FROM TEST STANDARD

None



Run #: 10

PK AV QP

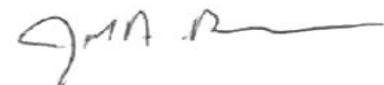
SPURIOUS RADIATED EMISSIONS

RESULTS - Run #10

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)
7950.508	1.5	230.0	Horz	AV	41.4E-9	-43.8	-40.0	-3.8
7951.317	1.1	308.0	Vert	AV	40.5E-9	-43.9	-40.0	-3.9
7052.217	1.5	2.0	Horz	AV	34.4E-9	-44.6	-40.0	-4.6
7051.883	1.5	342.0	Vert	AV	33.7E-9	-44.7	-40.0	-4.7
21147.980	1.5	349.0	Horz	AV	4.9E-9	-53.1	-40.0	-13.1
21149.600	1.5	54.0	Vert	AV	4.6E-9	-53.3	-40.0	-13.3
35777.490	1.5	74.0	Horz	AV	4.6E-9	-53.3	-40.0	-13.3
19873.700	1.5	204.0	Horz	AV	4.5E-9	-53.4	-40.0	-13.4
35777.320	1.5	197.0	Vert	AV	4.5E-9	-53.4	-40.0	-13.4
19876.330	1.5	153.0	Vert	AV	4.4E-9	-53.5	-40.0	-13.5
39747.730	1.5	5.0	Horz	AV	4.3E-9	-53.6	-40.0	-13.6
39747.680	1.5	139.0	Vert	AV	4.2E-9	-53.7	-40.0	-13.7
17622.500	1.5	260.0	Horz	AV	4.1E-9	-53.8	-40.0	-13.8
17622.620	1.6	218.0	Vert	AV	4.1E-9	-53.8	-40.0	-13.8
31797.760	1.5	252.0	Horz	AV	3.4E-9	-54.6	-40.0	-14.6
31798.120	1.5	273.0	Vert	AV	3.4E-9	-54.7	-40.0	-14.7
31723.500	1.5	358.0	Vert	AV	3.3E-9	-54.8	-40.0	-14.8
31725.940	1.5	140.0	Horz	AV	3.3E-9	-54.8	-40.0	-14.8
27824.390	1.5	231.0	Horz	AV	3.1E-9	-55.0	-40.0	-15.0
28197.620	1.5	75.0	Vert	AV	3.0E-9	-55.2	-40.0	-15.2
27823.840	1.5	153.0	Vert	AV	3.0E-9	-55.2	-40.0	-15.2
28197.820	1.5	355.0	Horz	AV	3.0E-9	-55.2	-40.0	-15.2
35252.140	1.5	342.0	Horz	AV	2.9E-9	-55.3	-40.0	-15.3
35252.460	1.5	127.0	Vert	AV	2.9E-9	-55.4	-40.0	-15.4
15897.710	1.5	60.0	Horz	AV	2.7E-9	-55.7	-40.0	-15.7
15897.580	1.5	49.0	Vert	AV	2.7E-9	-55.7	-40.0	-15.7
24677.450	1.5	299.0	Vert	AV	2.6E-9	-55.8	-40.0	-15.8
24675.010	1.5	171.0	Horz	AV	2.6E-9	-55.8	-40.0	-15.8
23851.800	1.5	194.0	Vert	AV	2.6E-9	-55.9	-40.0	-15.9
23850.630	1.5	193.0	Horz	AV	2.6E-9	-55.9	-40.0	-15.9
14101.140	1.5	360.0	Horz	AV	1.9E-9	-57.2	-40.0	-17.2
14097.610	1.5	326.0	Vert	AV	1.8E-9	-57.3	-40.0	-17.3
10573.990	1.5	338.0	Horz	AV	377.7E-12	-64.2	-40.0	-24.2
10572.530	4.0	161.0	Vert	AV	369.1E-12	-64.3	-40.0	-24.3
11922.550	1.5	337.0	Horz	AV	321.5E-12	-64.9	-40.0	-24.9
11922.530	1.5	279.0	Vert	AV	321.5E-12	-64.9	-40.0	-24.9

CONCLUSION

Pass



Tested By

SPURIOUS RADIATED EMISSIONS

EUT:	Airscale Base Transceiver Station Radio Unit Model AVQQA	Work Order:	NOKI0086
Serial Number:	L1242501908	Date:	2025-07-09
Customer:	Nokia Solutions and Networks	Temperature:	23.3°C
Attendees:	John Rattanavong	Relative Humidity:	48.5%
Customer Project:	None	Bar. Pressure (PMSL):	1017 mb
Tested By:	Jarrod Brenden	Job Site:	PT01
Power:	54 VDC	Configuration:	NOKI0086-6

TEST PARAMETERS

Run #:	13	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

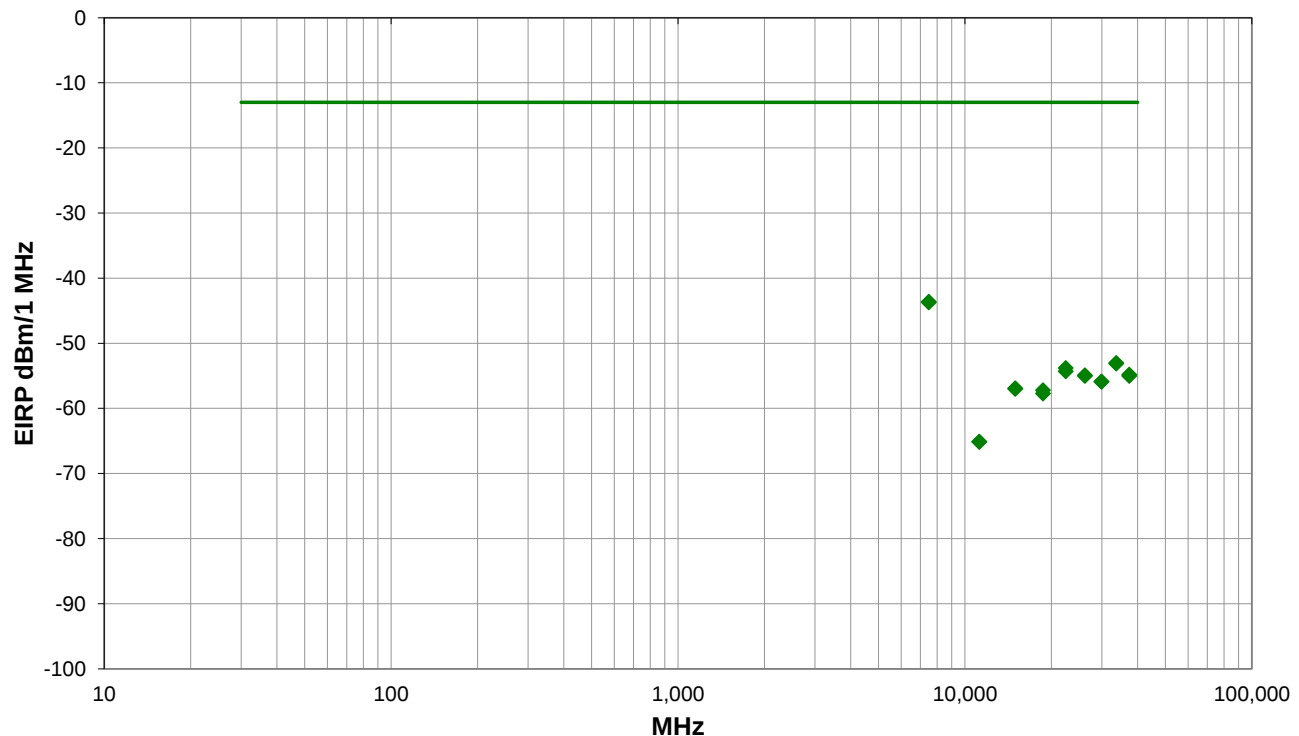
Pole mounted radio. TAB ports routed to 50 ohm terminators. The average emissions were duty cycle corrected up to 100% per the guidance provided in ANSI C63.26:2015 section 5.7.3 (d)(3): $10 \cdot \log(1/\text{Duty Cycle (in dec)})$. The measured duty cycle was seen to be 74% and applied as $10 \cdot \log(1/0.74) = 1.3$ dB upward correction.

EUT OPERATING MODES

Transmitting, Test Case 4; Multi-mode: Low Channel (3745.02 MHz), NR90, QPSK

DEVIATIONS FROM TEST STANDARD

None



Run #: 13

■ PK ◆ AV ● QP

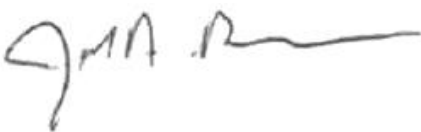
SPURIOUS RADIATED EMISSIONS

RESULTS - Run #13

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)
7488.007	1.5	258.0	Horz	AV	43.4E-9	-43.6	-13.0	-30.6
7487.557	1.5	284.0	Vert	AV	42.4E-9	-43.7	-13.0	-30.7
33702.860	1.5	226.0	Horz	AV	5.0E-9	-53.0	-13.0	-40.0
33702.720	1.5	44.0	Vert	AV	4.9E-9	-53.1	-13.0	-40.1
22472.340	1.5	305.0	Horz	AV	4.1E-9	-53.8	-13.0	-40.8
22472.600	1.5	54.0	Vert	AV	3.7E-9	-54.3	-13.0	-41.3
37447.800	1.5	360.0	Horz	AV	3.3E-9	-54.8	-13.0	-41.8
26212.670	1.5	118.0	Horz	AV	3.2E-9	-54.9	-13.0	-41.9
37447.720	1.5	324.0	Vert	AV	3.1E-9	-55.0	-13.0	-42.0
26212.820	1.5	214.0	Vert	AV	3.1E-9	-55.0	-13.0	-42.0
29959.740	1.5	111.0	Vert	AV	2.6E-9	-55.9	-13.0	-42.9
29957.840	1.5	290.0	Horz	AV	2.6E-9	-55.9	-13.0	-42.9
14982.270	2.7	204.0	Horz	AV	2.0E-9	-56.9	-13.0	-43.9
14980.390	2.0	46.0	Vert	AV	2.0E-9	-57.0	-13.0	-44.0
18724.350	1.5	317.0	Horz	AV	1.9E-9	-57.2	-13.0	-44.2
18725.830	1.5	294.0	Vert	AV	1.7E-9	-57.7	-13.0	-44.7
11232.850	2.9	252.0	Horz	AV	307.0E-12	-65.1	-13.0	-52.1
11232.600	2.2	5.0	Vert	AV	307.0E-12	-65.1	-13.0	-52.1

CONCLUSION

Pass



Tested By

SPURIOUS RADIATED EMISSIONS



EUT:	Airscale Base Transceiver Station Radio Unit Model AVQQA	Work Order:	NOKI0086
Serial Number:	L1242501908	Date:	2025-07-09
Customer:	Nokia Solutions and Networks	Temperature:	23.8°C
Attendees:	John Rattanaovong	Relative Humidity:	48.1%
Customer Project:	None	Bar. Pressure (PMSL):	1017 mb
Tested By:	Jarrod Brenden	Job Site:	PT01
Power:	54 VDC	Configuration:	NOKI0086-6

TEST PARAMETERS

Run #:	16	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

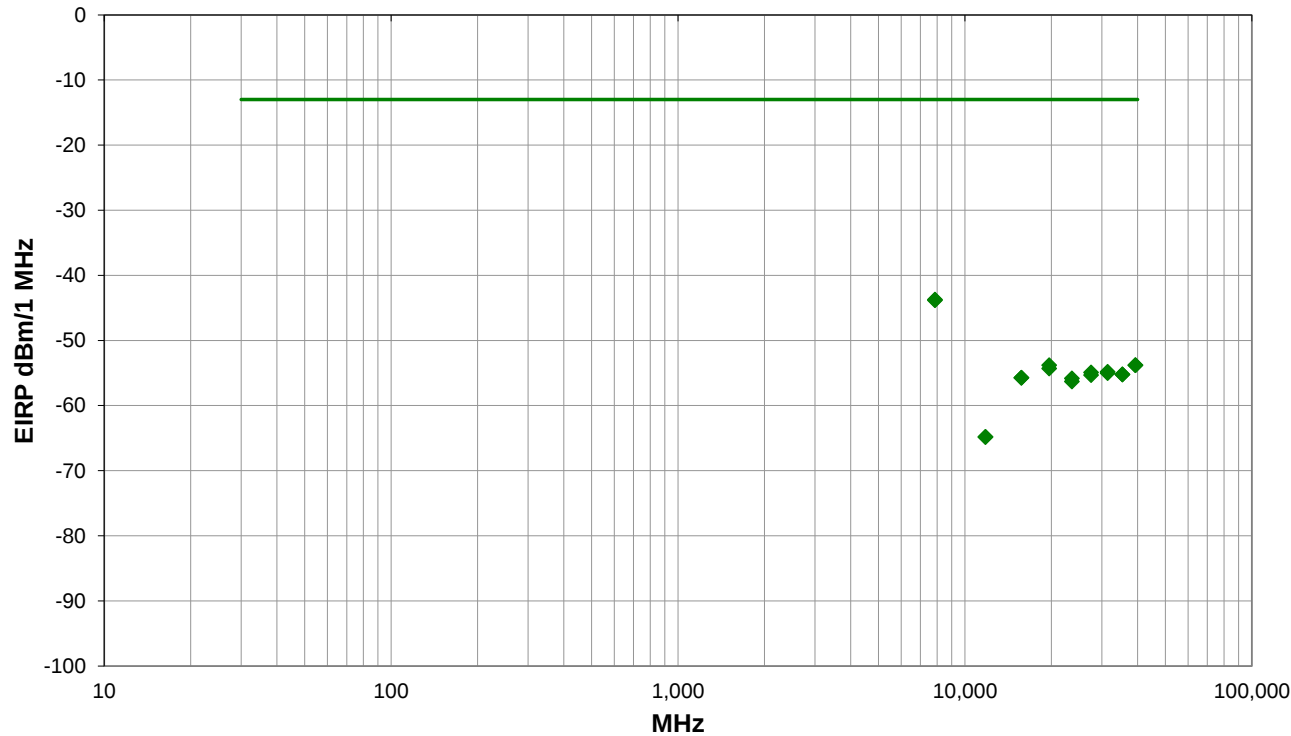
Pole mounted radio. TAB ports routed to 50 ohm terminators. The average emissions were duty cycle corrected up to 100% per the guidance provided in ANSI C63.26:2015 section 5.7.3 (d)(3): $10 \cdot \log(1/\text{Duty Cycle(in dec)})$. The measured duty cycle was seen to be 74% and applied as $10 \cdot \log(1/0.74) = 1.3$ dB upward correction.

EUT OPERATING MODES

Transmitting, Test Case 5; Multi-mode: High Channel (3934.98 MHz), NR90, QPSK

DEVIATIONS FROM TEST STANDARD

None



Run #: 16

PK AV QP

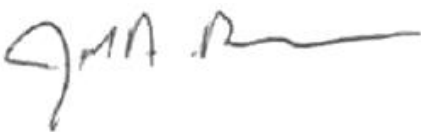
SPURIOUS RADIATED EMISSIONS

RESULTS - Run #16

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)
7869.010	1.5	287.0	Horz	AV	42.4E-9	-43.7	-13.0	-30.7
7868.627	2.5	109.0	Vert	AV	41.4E-9	-43.8	-13.0	-30.8
19672.470	1.5	198.0	Horz	AV	4.1E-9	-53.8	-13.0	-40.8
39347.400	1.5	256.0	Vert	AV	4.1E-9	-53.8	-13.0	-40.8
39347.380	1.5	121.0	Horz	AV	4.1E-9	-53.8	-13.0	-40.8
19672.630	1.5	97.0	Vert	AV	3.7E-9	-54.3	-13.0	-41.3
31477.600	1.5	296.0	Vert	AV	3.3E-9	-54.8	-13.0	-41.8
27542.640	1.5	211.0	Vert	AV	3.2E-9	-54.9	-13.0	-41.9
31477.460	1.5	23.0	Horz	AV	3.1E-9	-55.0	-13.0	-42.0
35412.340	1.5	264.0	Vert	AV	3.0E-9	-55.2	-13.0	-42.2
35412.410	1.5	310.0	Horz	AV	3.0E-9	-55.2	-13.0	-42.2
27542.410	1.5	305.0	Horz	AV	2.9E-9	-55.3	-13.0	-42.3
15737.590	1.5	72.0	Horz	AV	2.7E-9	-55.7	-13.0	-42.7
15737.640	1.5	154.0	Vert	AV	2.7E-9	-55.7	-13.0	-42.7
23611.110	1.5	360.0	Horz	AV	2.6E-9	-55.8	-13.0	-42.8
23607.730	1.5	110.0	Vert	AV	2.3E-9	-56.3	-13.0	-43.3
11803.990	2.6	19.0	Horz	AV	328.9E-12	-64.8	-13.0	-51.8
11804.730	4.0	285.0	Vert	AV	328.9E-12	-64.8	-13.0	-51.8

CONCLUSION

Pass



Tested By

SPURIOUS RADIATED EMISSIONS



EUT:	Airscale Base Transceiver Station Radio Unit Model AVQQA	Work Order:	NOKI0086
Serial Number:	L1242501908	Date:	2025-07-09
Customer:	Nokia Solutions and Networks	Temperature:	23.7°C
Attendees:	John Rattanaovong	Relative Humidity:	40.2%
Customer Project:	None	Bar. Pressure (PMSL):	1017 mb
Tested By:	Jarrod Brenden	Job Site:	PT01
Power:	54 VDC	Configuration:	NOKI0086-6

TEST PARAMETERS

Run #:	19	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

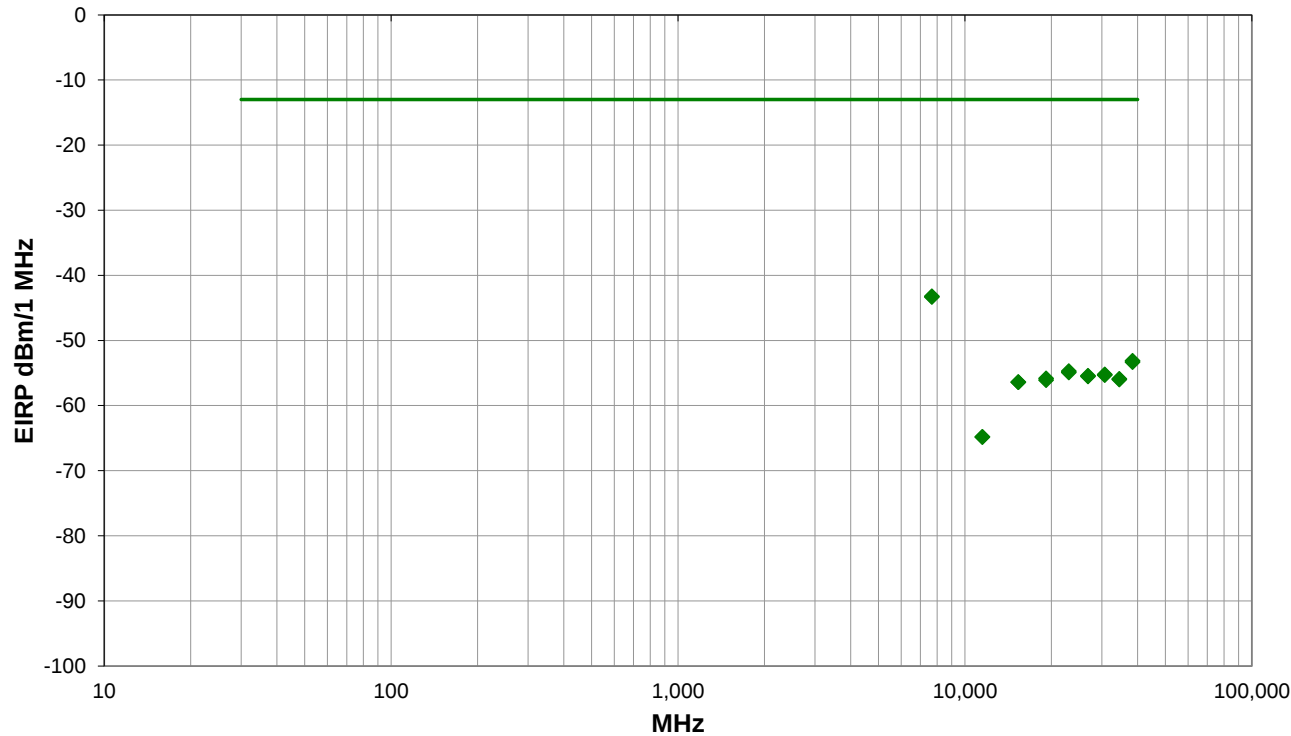
Pole mounted radio. TAB ports routed to 50 ohm terminators. The average emissions were duty cycle corrected up to 100% per the guidance provided in ANSI C63.26:2015 section 5.7.3 (d)(3): $10 \cdot \log(1/\text{Duty Cycle(in dec)})$. The measured duty cycle was seen to be 74% and applied as $10 \cdot \log(1/0.74) = 1.3$ dB upward correction.

EUT OPERATING MODES

Transmitting, Test Case 6; Multi-mode: Middle Channel (3840.00 MHz), NR90, QPSK

DEVIATIONS FROM TEST STANDARD

None



Run #: 19

■ PK ◆ AV ● QP

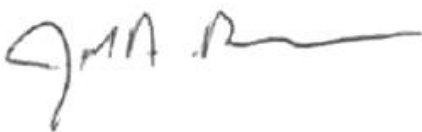
SPURIOUS RADIATED EMISSIONS

RESULTS - Run #19

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)
7677.767	1.5	39.0	Horz	AV	47.5E-9	-43.2	-13.0	-30.2
7677.600	1.5	8.0	Vert	AV	46.5E-9	-43.3	-13.0	-30.3
38397.510	1.5	149.0	Vert	AV	4.9E-9	-53.1	-13.0	-40.1
38397.580	1.5	122.0	Horz	AV	4.6E-9	-53.3	-13.0	-40.3
23041.040	1.5	74.0	Horz	AV	3.4E-9	-54.7	-13.0	-41.7
23042.080	1.5	186.0	Vert	AV	3.2E-9	-54.9	-13.0	-41.9
30722.450	1.5	307.0	Vert	AV	3.0E-9	-55.2	-13.0	-42.2
30721.850	1.5	228.0	Horz	AV	2.9E-9	-55.3	-13.0	-42.3
26882.380	1.5	9.0	Horz	AV	2.9E-9	-55.4	-13.0	-42.4
26882.310	1.5	188.0	Vert	AV	2.8E-9	-55.5	-13.0	-42.5
19198.730	1.5	149.0	Horz	AV	2.6E-9	-55.8	-13.0	-42.8
34557.560	1.5	180.0	Vert	AV	2.6E-9	-55.9	-13.0	-42.9
34557.520	1.5	171.0	Horz	AV	2.5E-9	-56.0	-13.0	-43.0
19198.190	1.5	354.0	Vert	AV	2.4E-9	-56.1	-13.0	-43.1
15362.330	1.5	320.0	Horz	AV	2.3E-9	-56.4	-13.0	-43.4
15361.740	3.9	1.0	Vert	AV	2.3E-9	-56.4	-13.0	-43.4
11517.520	1.5	318.0	Horz	AV	328.9E-12	-64.8	-13.0	-51.8
11517.930	1.7	343.0	Vert	AV	328.9E-12	-64.8	-13.0	-51.8

CONCLUSION

Pass



Tested By

SPURIOUS RADIATED EMISSIONS



EUT:	Airscale Base Transceiver Station Radio Unit Model AVQQA	Work Order:	NOKI0086
Serial Number:	L1242501908	Date:	2025-07-09
Customer:	Nokia Solutions and Networks	Temperature:	23.6°C
Attendees:	John Rattanaovong	Relative Humidity:	41.3%
Customer Project:	None	Bar. Pressure (PMSL):	1017 mb
Tested By:	Jarrod Brenden	Job Site:	PT01
Power:	54 VDC	Configuration:	NOKI0086-6

TEST PARAMETERS

Run #:	22	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

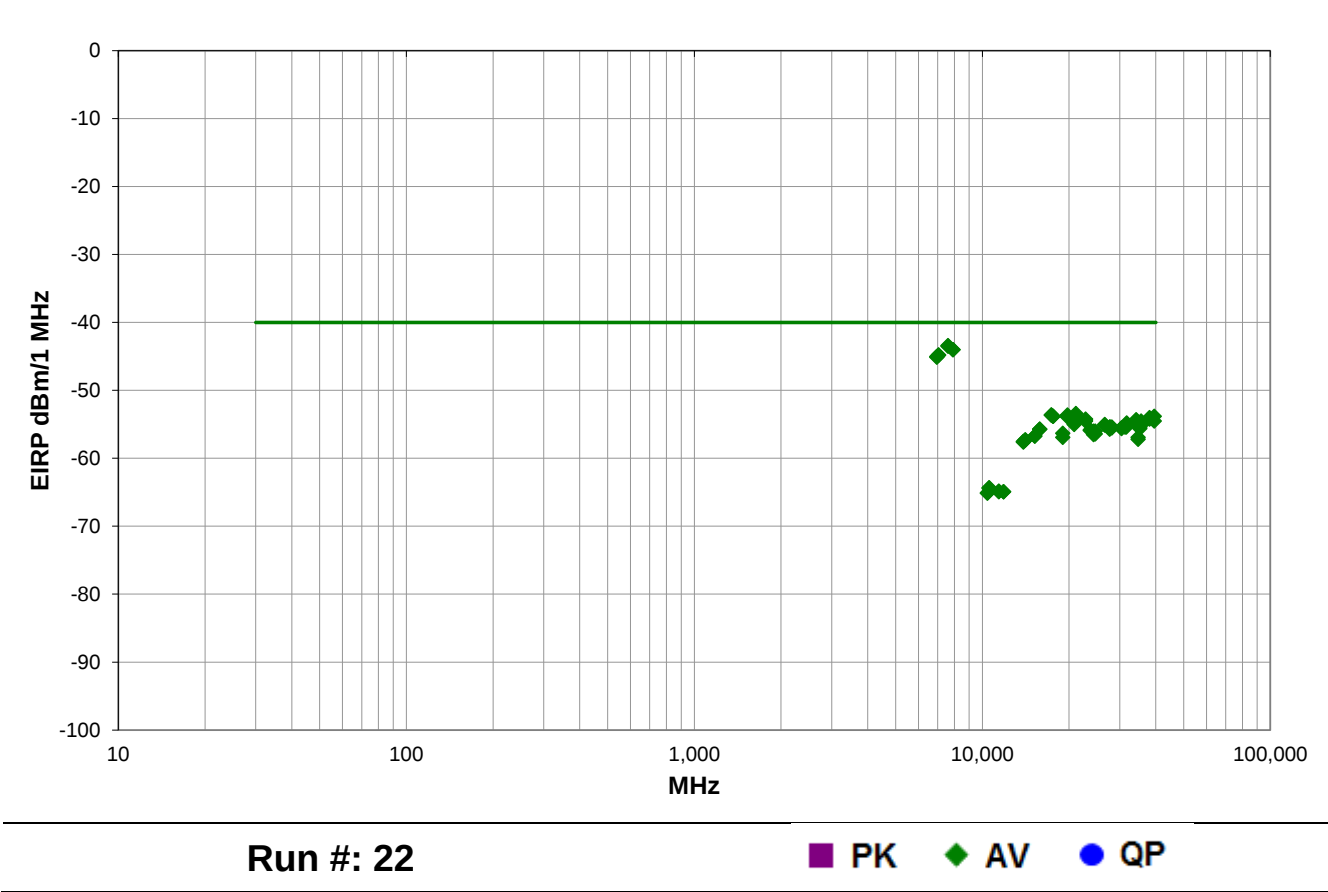
Pole mounted radio. TAB ports routed to 50 ohm terminators. The average emissions were duty cycle corrected up to 100% per the guidance provided in ANSI C63.26:2015 section 5.7.3 (d)(3): $10 \cdot \log(1/\text{Duty Cycle (in dec)})$. The measured duty cycle was seen to be 74% and applied as $10 \cdot \log(1/0.74) = 1.3$ dB upward correction. More restrictive limit applied between 3430-3570 MHz per customer test plan.

EUT OPERATING MODES

Transmitting, Test Case 7; Multi-mode: Low Channel (3475.02 MHz, NR50, QPSK), High Channel (3525.00 MHz, NR50, QPSK), High Channel (3805.02 MHz, NR50, QPSK), and High Channel (3954.99 MHz, NR50, QPSK)

DEVIATIONS FROM TEST STANDARD

None



SPURIOUS RADIATED EMISSIONS

RESULTS - Run #22

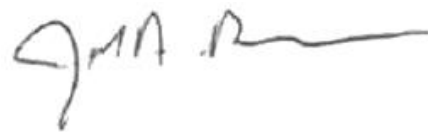
Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)
7607.907	1.5	1.0	Horz	AV	45.4E-9	-43.4	-40.0	-3.4
7607.898	1.5	192.0	Vert	AV	44.4E-9	-43.5	-40.0	-3.5
7907.688	1.5	122.0	Horz	AV	39.5E-9	-44.0	-40.0	-4.0
7908.213	1.5	0.0	Vert	AV	39.5E-9	-44.0	-40.0	-4.0
7052.100	1.5	312.0	Horz	AV	32.9E-9	-44.8	-40.0	-4.8
7050.283	1.5	96.0	Vert	AV	32.9E-9	-44.8	-40.0	-4.8
6951.348	1.5	108.0	Horz	AV	31.4E-9	-45.0	-40.0	-5.0
6951.873	1.0	108.0	Vert	AV	30.7E-9	-45.1	-40.0	-5.1
21149.190	1.5	106.0	Horz	AV	4.5E-9	-53.4	-40.0	-13.4
17377.540	1.5	111.0	Horz	AV	4.3E-9	-53.6	-40.0	-13.6
17376.930	1.5	313.0	Vert	AV	4.3E-9	-53.6	-40.0	-13.6
19773.530	1.5	37.0	Horz	AV	4.3E-9	-53.6	-40.0	-13.6
17623.280	3.9	240.0	Horz	AV	4.1E-9	-53.8	-40.0	-13.8
17622.750	2.1	163.0	Vert	AV	4.1E-9	-53.8	-40.0	-13.8
39547.450	1.5	34.0	Horz	AV	4.1E-9	-53.8	-40.0	-13.8
21148.210	1.5	287.0	Vert	AV	4.0E-9	-53.9	-40.0	-13.9
19774.680	1.5	107.0	Vert	AV	4.0E-9	-53.9	-40.0	-13.9
38052.480	1.5	182.0	Horz	AV	4.0E-9	-54.0	-40.0	-14.0
22827.620	1.5	354.0	Horz	AV	3.8E-9	-54.2	-40.0	-14.2
38052.610	1.5	325.0	Vert	AV	3.8E-9	-54.2	-40.0	-14.2
34247.080	1.5	149.0	Horz	AV	3.7E-9	-54.3	-40.0	-14.3
34247.540	1.5	248.0	Vert	AV	3.6E-9	-54.4	-40.0	-14.4
22828.000	1.5	9.0	Vert	AV	3.5E-9	-54.5	-40.0	-14.5
20852.130	1.5	235.0	Horz	AV	3.5E-9	-54.5	-40.0	-14.5
39547.550	1.5	180.0	Vert	AV	3.5E-9	-54.5	-40.0	-14.5
35592.550	1.5	319.0	Horz	AV	3.5E-9	-54.5	-40.0	-14.5
31725.330	1.5	143.0	Vert	AV	3.3E-9	-54.8	-40.0	-14.8
20851.700	1.5	203.0	Vert	AV	3.1E-9	-55.0	-40.0	-15.0
26633.120	1.5	223.0	Vert	AV	3.1E-9	-55.0	-40.0	-15.0
31724.750	1.5	239.0	Horz	AV	3.1E-9	-55.0	-40.0	-15.0
31642.250	1.5	24.0	Horz	AV	3.1E-9	-55.0	-40.0	-15.0
35592.420	1.5	335.0	Vert	AV	3.1E-9	-55.1	-40.0	-15.1
26632.670	1.5	200.0	Horz	AV	3.1E-9	-55.1	-40.0	-15.1
31277.100	1.5	157.0	Vert	AV	2.9E-9	-55.3	-40.0	-15.3
27800.710	1.5	109.0	Vert	AV	2.9E-9	-55.4	-40.0	-15.4
28197.510	1.5	147.0	Vert	AV	2.9E-9	-55.4	-40.0	-15.4
35252.480	1.5	346.0	Vert	AV	2.9E-9	-55.4	-40.0	-15.4
31641.470	1.5	250.0	Vert	AV	2.9E-9	-55.4	-40.0	-15.4
31275.140	1.5	21.0	Horz	AV	2.9E-9	-55.4	-40.0	-15.4
27685.710	1.5	116.0	Horz	AV	2.9E-9	-55.4	-40.0	-15.4

SPURIOUS RADIATED EMISSIONS

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)
27798.570	1.5	242.0	Horz	AV	2.8E-9	-55.5	-40.0	-15.5
28197.620	1.5	28.0	Horz	AV	2.8E-9	-55.5	-40.0	-15.5
30438.090	1.5	55.0	Horz	AV	2.8E-9	-55.5	-40.0	-15.5
30439.930	1.5	46.0	Vert	AV	2.7E-9	-55.6	-40.0	-15.6
35251.650	1.5	104.0	Horz	AV	2.7E-9	-55.6	-40.0	-15.6
15819.600	1.5	189.0	Horz	AV	2.7E-9	-55.7	-40.0	-15.7
15819.490	1.5	142.0	Vert	AV	2.7E-9	-55.7	-40.0	-15.7
27686.210	1.5	186.0	Vert	AV	2.7E-9	-55.7	-40.0	-15.7
23728.000	1.5	293.0	Horz	AV	2.6E-9	-55.8	-40.0	-15.8
23727.700	1.5	359.0	Vert	AV	2.6E-9	-55.9	-40.0	-15.9
24324.820	1.5	161.0	Horz	AV	2.5E-9	-56.0	-40.0	-16.0
24677.430	1.5	39.0	Horz	AV	2.5E-9	-56.0	-40.0	-16.0
19027.230	1.5	228.0	Horz	AV	2.3E-9	-56.3	-40.0	-16.3
24677.080	1.5	277.0	Vert	AV	2.3E-9	-56.4	-40.0	-16.4
24324.290	1.5	161.0	Vert	AV	2.2E-9	-56.5	-40.0	-16.5
15217.810	1.5	87.0	Horz	AV	2.1E-9	-56.7	-40.0	-16.7
15217.710	1.5	357.0	Vert	AV	2.1E-9	-56.7	-40.0	-16.7
19027.270	1.5	118.0	Vert	AV	2.0E-9	-56.9	-40.0	-16.9
34747.820	1.5	217.0	Vert	AV	2.0E-9	-56.9	-40.0	-16.9
34747.710	1.5	32.0	Horz	AV	1.9E-9	-57.2	-40.0	-17.2
14101.570	3.2	16.0	Horz	AV	1.8E-9	-57.3	-40.0	-17.3
14101.630	1.5	134.0	Vert	AV	1.8E-9	-57.3	-40.0	-17.3
13902.350	1.5	360.0	Horz	AV	1.8E-9	-57.5	-40.0	-17.5
13902.460	1.5	288.0	Vert	AV	1.7E-9	-57.6	-40.0	-17.6
10572.730	1.5	56.0	Horz	AV	369.1E-12	-64.3	-40.0	-24.3
10572.930	1.5	261.0	Vert	AV	360.7E-12	-64.4	-40.0	-24.4
11412.720	1.5	168.0	Horz	AV	328.9E-12	-64.8	-40.0	-24.8
11412.740	3.4	195.0	Vert	AV	321.5E-12	-64.9	-40.0	-24.9
11862.550	1.5	19.0	Horz	AV	321.5E-12	-64.9	-40.0	-24.9
11862.570	1.6	16.0	Vert	AV	321.5E-12	-64.9	-40.0	-24.9
10422.570	2.3	320.0	Horz	AV	307.0E-12	-65.1	-40.0	-25.1
10422.690	1.5	28.0	Vert	AV	307.0E-12	-65.1	-40.0	-25.1

CONCLUSION

Pass



Tested By

SPURIOUS RADIATED EMISSIONS



EUT:	Airscale Base Transceiver Station Radio Unit Model AVQQA	Work Order:	NOKI0086
Serial Number:	L1242501908	Date:	2025-07-09
Customer:	Nokia Solutions and Networks	Temperature:	23.4°C
Attendees:	John Rattanavong	Relative Humidity:	38.2%
Customer Project:	None	Bar. Pressure (PMSL):	1017 mb
Tested By:	Jarrod Brenden	Job Site:	PT01
Power:	54 VDC	Configuration:	NOKI0086-6

TEST PARAMETERS

Run #:	25	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

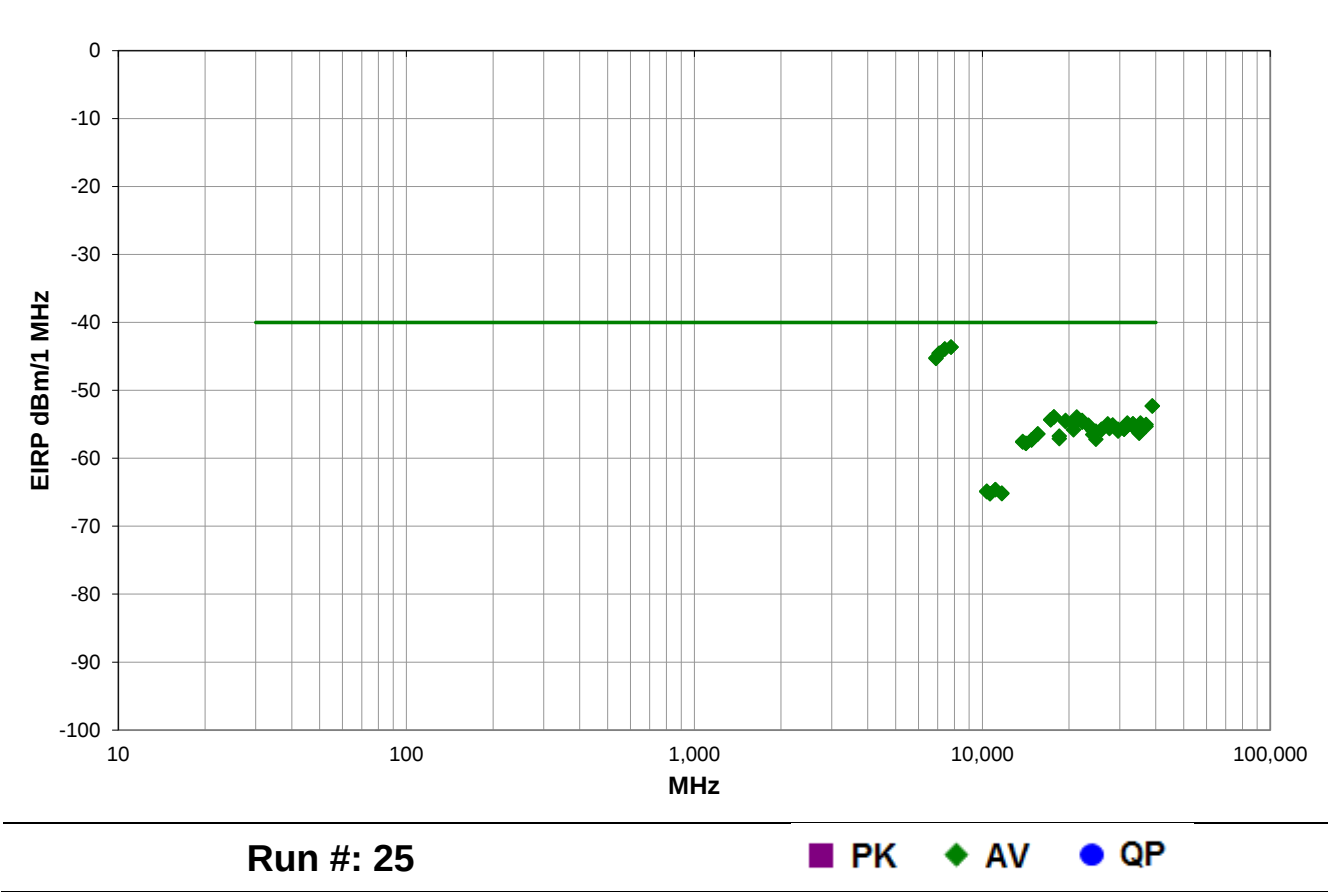
Pole mounted radio. TAB ports routed to 50 ohm terminators. The average emissions were duty cycle corrected up to 100% per the guidance provided in ANSI C63.26:2015 section 5.7.3 (d)(3): $10 \cdot \log(1/\text{Duty Cycle (in dec)})$. The measured duty cycle was seen to be 74% and applied as $10 \cdot \log(1/0.74) = 1.3 \text{ dB}$ upward correction. More restrictive limit applied between 3430-3570 MHz per customer test plan.

EUT OPERATING MODES

Transmitting, Test Case 8; Multi-mode: Low Channel (3455.01 MHz, NR10, QPSK), High Channel (3544.98 MHz, NR10, QPSK), Low Channel (3705.00 MHz, NR10, QPSK), and High Channel (3894.99 MHz, NR10, QPSK)

DEVIATIONS FROM TEST STANDARD

None



SPURIOUS RADIATED EMISSIONS

RESULTS - Run #25

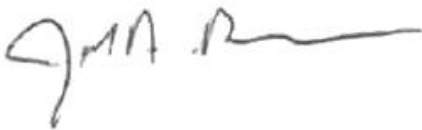
Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)
7787.697	3.4	56.0	Horz	AV	43.4E-9	-43.6	-40.0	-3.6
7787.730	1.5	81.0	Vert	AV	43.4E-9	-43.6	-40.0	-3.6
7407.975	1.5	152.0	Horz	AV	40.5E-9	-43.9	-40.0	-3.9
7408.158	1.5	0.0	Vert	AV	40.5E-9	-43.9	-40.0	-3.9
7091.743	1.5	258.0	Horz	AV	35.2E-9	-44.5	-40.0	-4.5
7092.327	1.5	140.0	Vert	AV	34.4E-9	-44.6	-40.0	-4.6
6907.828	2.3	0.0	Horz	AV	30.0E-9	-45.2	-40.0	-5.2
6909.462	1.8	14.0	Vert	AV	29.3E-9	-45.3	-40.0	-5.3
38947.970	1.5	322.0	Vert	AV	5.8E-9	-52.3	-40.0	-12.3
38948.420	1.5	150.0	Horz	AV	5.8E-9	-52.3	-40.0	-12.3
17722.400	1.5	2.0	Horz	AV	4.0E-9	-53.9	-40.0	-13.9
17724.930	1.5	136.0	Vert	AV	4.0E-9	-53.9	-40.0	-13.9
21269.230	1.5	359.0	Horz	AV	4.0E-9	-53.9	-40.0	-13.9
17272.940	1.4	22.0	Horz	AV	3.7E-9	-54.3	-40.0	-14.3
17272.710	3.4	124.0	Vert	AV	3.7E-9	-54.3	-40.0	-14.3
22230.070	1.5	110.0	Horz	AV	3.6E-9	-54.4	-40.0	-14.4
19474.080	1.5	107.0	Horz	AV	3.6E-9	-54.4	-40.0	-14.4
21272.350	1.5	310.0	Vert	AV	3.4E-9	-54.6	-40.0	-14.6
19474.300	1.5	77.0	Vert	AV	3.4E-9	-54.6	-40.0	-14.6
22231.730	1.5	32.0	Vert	AV	3.4E-9	-54.7	-40.0	-14.7
31907.090	1.5	2.0	Vert	AV	3.3E-9	-54.8	-40.0	-14.8
35447.320	1.5	219.0	Vert	AV	3.3E-9	-54.8	-40.0	-14.8
20727.830	1.5	72.0	Horz	AV	3.2E-9	-54.9	-40.0	-14.9
33347.400	1.5	86.0	Vert	AV	3.2E-9	-54.9	-40.0	-14.9
27267.120	1.5	85.0	Vert	AV	3.2E-9	-54.9	-40.0	-14.9
33347.400	1.5	265.0	Horz	AV	3.2E-9	-54.9	-40.0	-14.9
37052.300	1.5	142.0	Vert	AV	3.1E-9	-55.0	-40.0	-15.0
31907.250	1.5	354.0	Horz	AV	3.1E-9	-55.0	-40.0	-15.0
35447.630	1.5	169.0	Horz	AV	3.1E-9	-55.0	-40.0	-15.0
23369.300	1.5	269.0	Vert	AV	3.1E-9	-55.1	-40.0	-15.1
28357.370	1.5	235.0	Vert	AV	3.1E-9	-55.1	-40.0	-15.1
28357.590	1.5	27.0	Horz	AV	3.1E-9	-55.1	-40.0	-15.1
27267.160	1.5	224.0	Horz	AV	3.1E-9	-55.1	-40.0	-15.1
23368.010	1.5	360.0	Horz	AV	3.0E-9	-55.2	-40.0	-15.2
37051.830	1.5	0.0	Horz	AV	2.9E-9	-55.3	-40.0	-15.3
31162.350	1.5	79.0	Vert	AV	2.8E-9	-55.5	-40.0	-15.5
27637.830	1.5	296.0	Horz	AV	2.8E-9	-55.5	-40.0	-15.5
27637.610	1.5	291.0	Vert	AV	2.7E-9	-55.6	-40.0	-15.6
31162.250	1.5	265.0	Horz	AV	2.7E-9	-55.6	-40.0	-15.6
25932.700	1.5	325.0	Vert	AV	2.7E-9	-55.7	-40.0	-15.7

SPURIOUS RADIATED EMISSIONS

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)
31097.420	1.5	144.0	Vert	AV	2.7E-9	-55.7	-40.0	-15.7
29637.500	1.5	56.0	Vert	AV	2.7E-9	-55.7	-40.0	-15.7
31097.560	1.5	69.0	Horz	AV	2.7E-9	-55.7	-40.0	-15.7
20732.490	1.5	122.0	Vert	AV	2.6E-9	-55.8	-40.0	-15.8
25933.360	1.5	46.0	Horz	AV	2.6E-9	-55.8	-40.0	-15.8
24183.130	1.5	12.0	Horz	AV	2.6E-9	-55.9	-40.0	-15.9
34547.640	1.5	318.0	Vert	AV	2.6E-9	-55.9	-40.0	-15.9
34547.750	1.5	59.0	Horz	AV	2.6E-9	-55.9	-40.0	-15.9
24814.290	1.5	93.0	Horz	AV	2.5E-9	-56.0	-40.0	-16.0
29637.590	1.5	242.0	Horz	AV	2.5E-9	-56.0	-40.0	-16.0
35052.450	1.5	154.0	Vert	AV	2.4E-9	-56.2	-40.0	-16.2
35052.800	1.5	23.0	Horz	AV	2.3E-9	-56.3	-40.0	-16.3
15577.690	2.7	360.0	Horz	AV	2.3E-9	-56.4	-40.0	-16.4
15578.630	1.5	30.0	Vert	AV	2.3E-9	-56.4	-40.0	-16.4
24187.560	1.5	261.0	Vert	AV	2.2E-9	-56.5	-40.0	-16.5
18524.740	1.5	333.0	Horz	AV	2.1E-9	-56.7	-40.0	-16.7
18526.140	1.5	12.0	Vert	AV	1.9E-9	-57.1	-40.0	-17.1
24817.340	1.5	62.0	Vert	AV	1.9E-9	-57.2	-40.0	-17.2
14822.280	1.5	286.0	Horz	AV	1.8E-9	-57.3	-40.0	-17.3
14822.370	1.5	248.0	Vert	AV	1.8E-9	-57.3	-40.0	-17.3
13822.100	1.5	301.0	Horz	AV	1.8E-9	-57.5	-40.0	-17.5
13822.140	1.5	352.0	Vert	AV	1.7E-9	-57.6	-40.0	-17.6
14178.350	1.5	54.0	Horz	AV	1.6E-9	-57.8	-40.0	-17.8
14177.980	1.5	82.0	Vert	AV	1.6E-9	-57.8	-40.0	-17.8
11112.520	1.5	306.0	Horz	AV	344.4E-12	-64.6	-40.0	-24.6
11112.510	1.5	246.0	Vert	AV	344.4E-12	-64.6	-40.0	-24.6
10362.550	1.5	357.0	Horz	AV	328.9E-12	-64.8	-40.0	-24.8
10362.590	1.5	86.0	Vert	AV	321.5E-12	-64.9	-40.0	-24.9
11685.230	3.2	222.0	Horz	AV	307.0E-12	-65.1	-40.0	-25.1
10634.960	2.6	33.0	Horz	AV	300.0E-12	-65.2	-40.0	-25.2
10635.970	3.4	235.0	Vert	AV	300.0E-12	-65.2	-40.0	-25.2
11684.460	1.5	152.0	Vert	AV	300.0E-12	-65.2	-40.0	-25.2

CONCLUSION

Pass



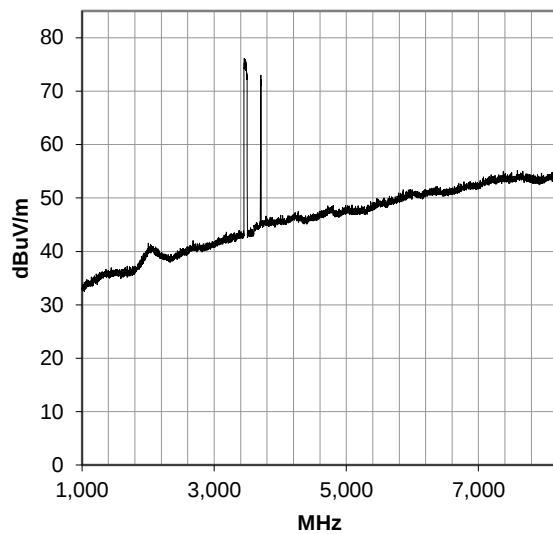
Tested By

SPURIOUS RADIATED EMISSIONS

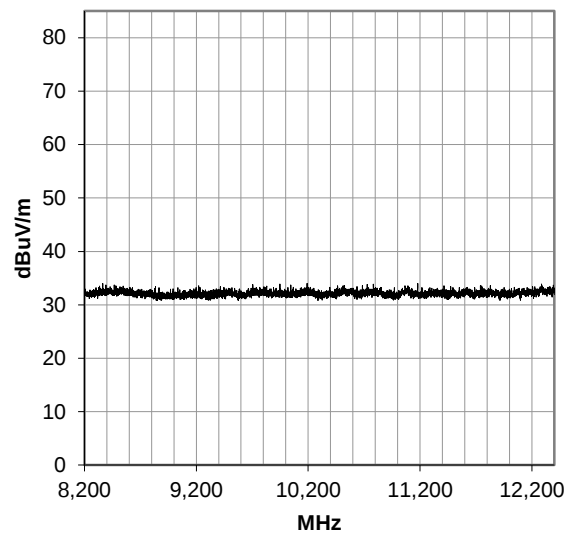
PRESCAN DATA

Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the following frequency ranges: 9 kHz RBW (< 30 MHz); 120 kHz RBW (30 - 1000 MHz); 1 MHz RBW (> 1 GHz). In the case where unintentional emissions are observed, an ambient or idle pre-scan with the radio off, will be shown for comparison.

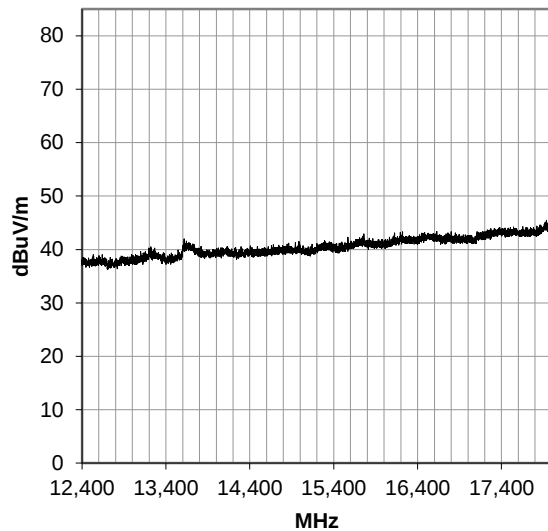
1000-8200 MHz, Run 4
Case 1



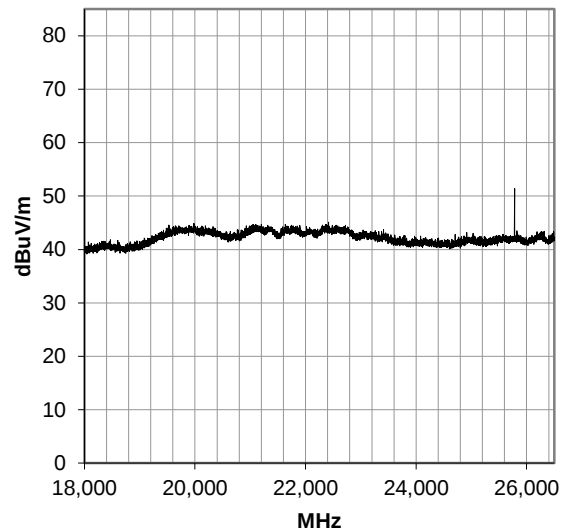
8200-12400 MHz, Run 5
Case 1



12400-18000 MHz, Run 6
Case 1

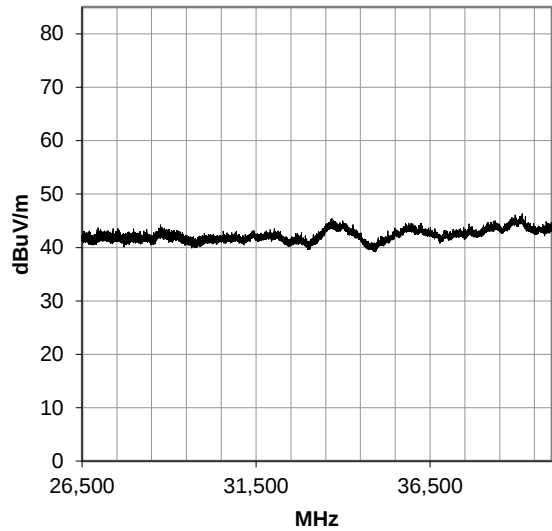


18000-26500 MHz, Run 48
Case 1

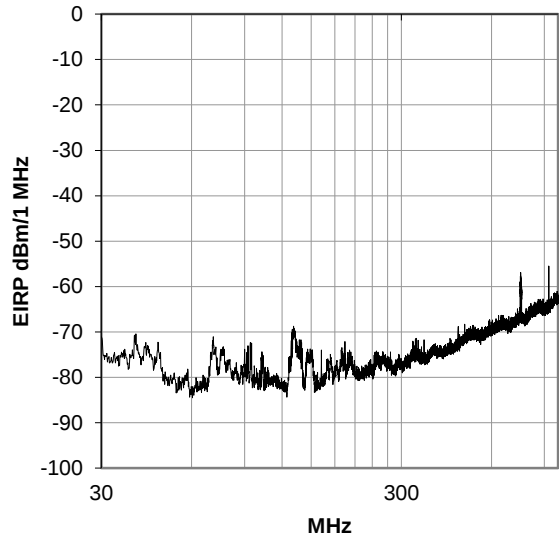


SPURIOUS RADIATED EMISSIONS

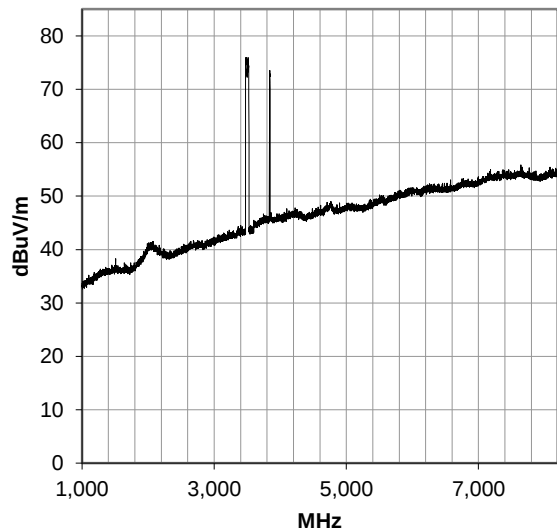
26500-40000 MHz, Run 49
Case 1



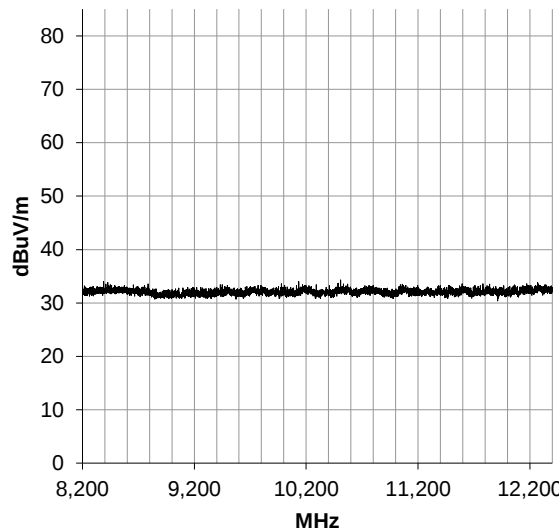
30-1000 MHz, Run 50
Case 1



1000-8200 MHz, Run 7
Case 2

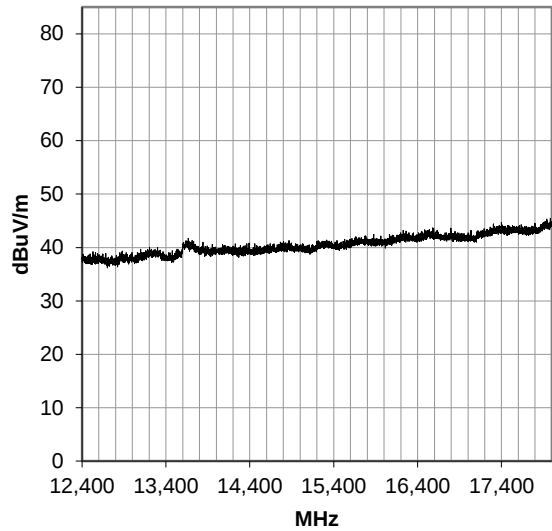


8200-12400 MHz, Run 8
Case 2

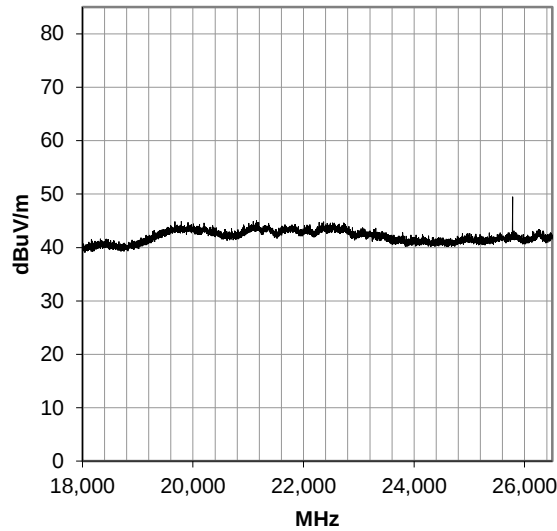


SPURIOUS RADIATED EMISSIONS

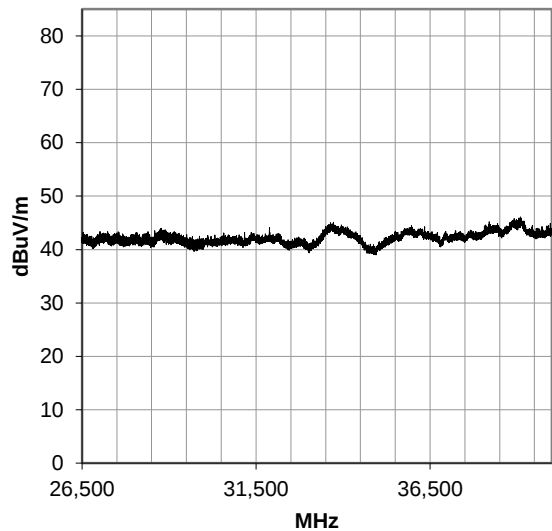
12400-18000 MHz, Run 9
Case 2



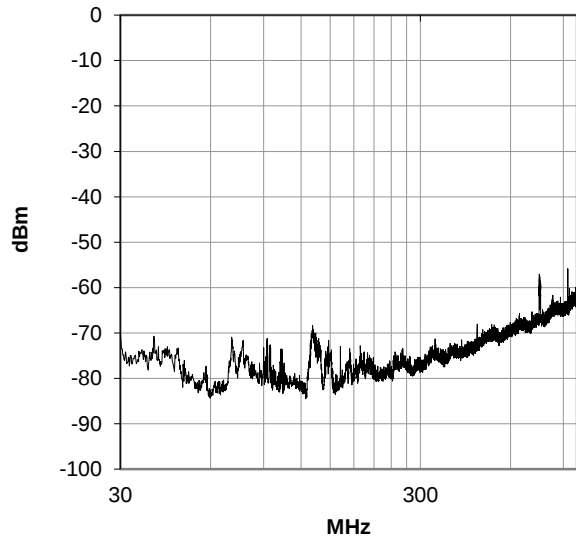
18000-26500 MHz, Run 46
Case 2



26500-40000 MHz, Run 47
Case 2

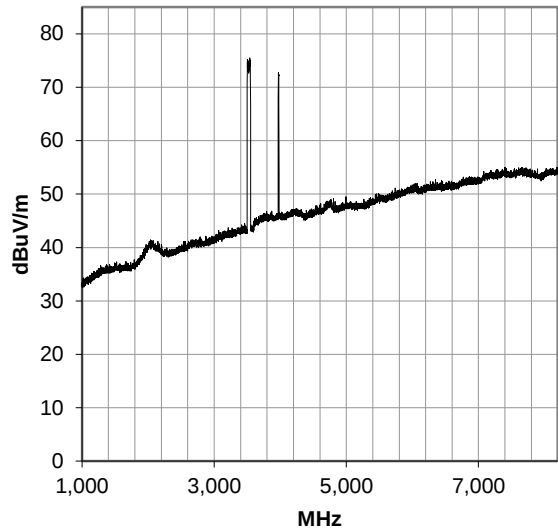


30-1000 MHz, Run 51
Case 2

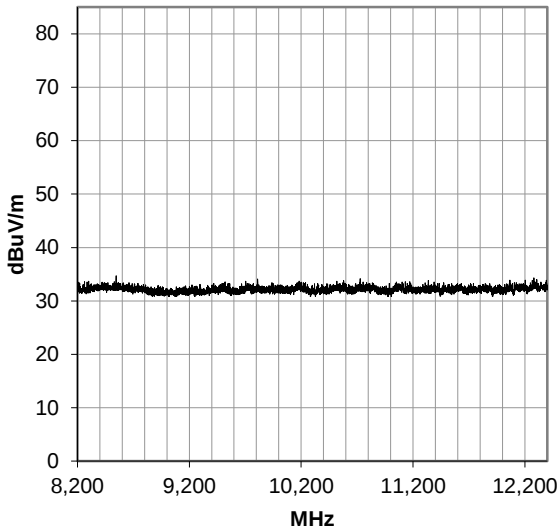


SPURIOUS RADIATED EMISSIONS

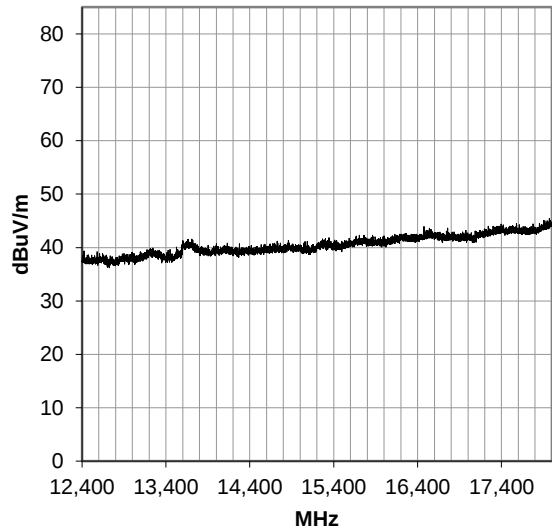
1000-8200 MHz, Run 10
Case 3



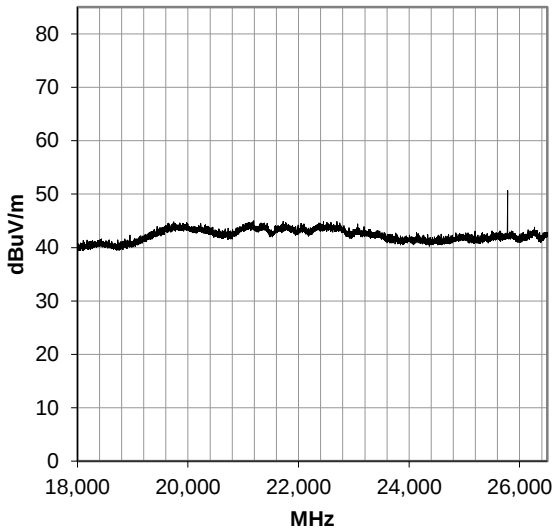
8200-12400 MHz, Run 11
Case 3



12400-18000 MHz, Run 12
Case 3

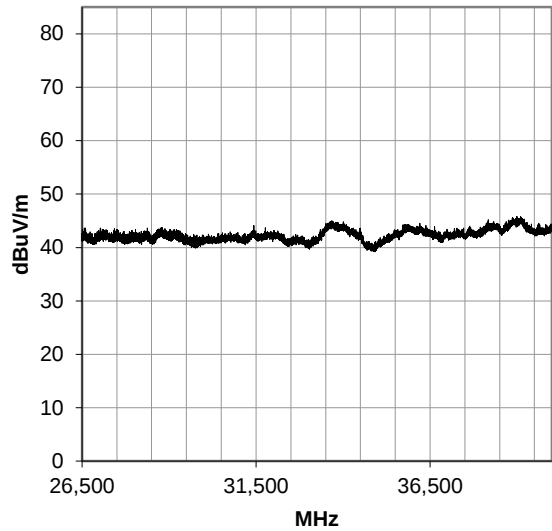


18000-26500 MHz, Run 42
Case 3

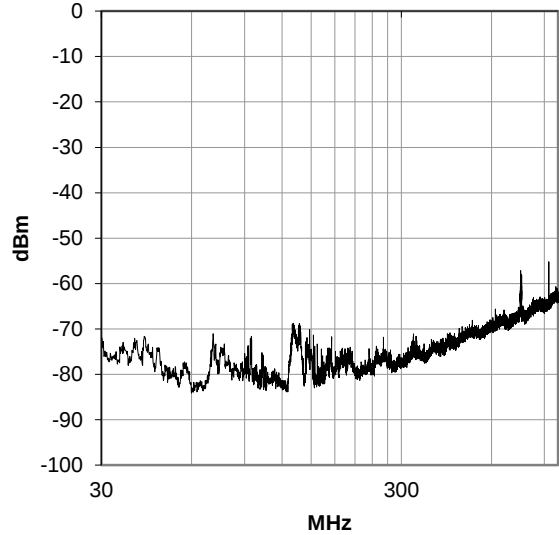


SPURIOUS RADIATED EMISSIONS

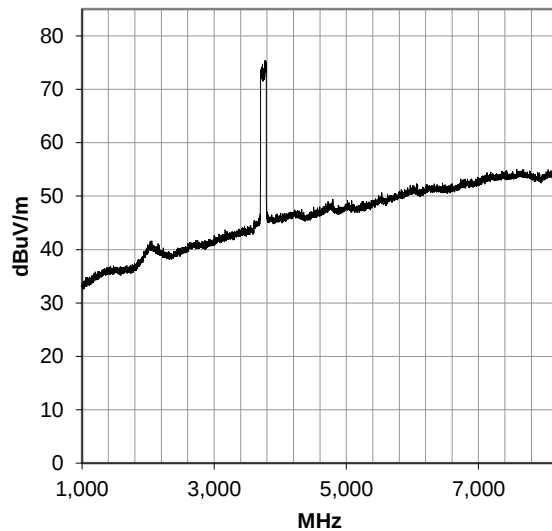
26500-40000 MHz, Run 44
Case 3



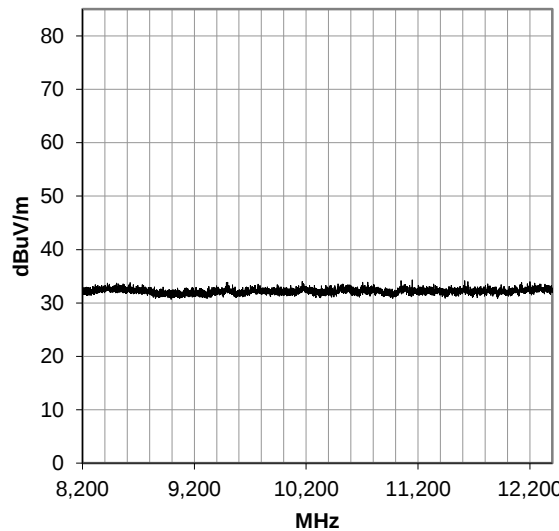
30-1000 MHz, Run 52
Case 3



1000-8200 MHz, Run 13
Case 4

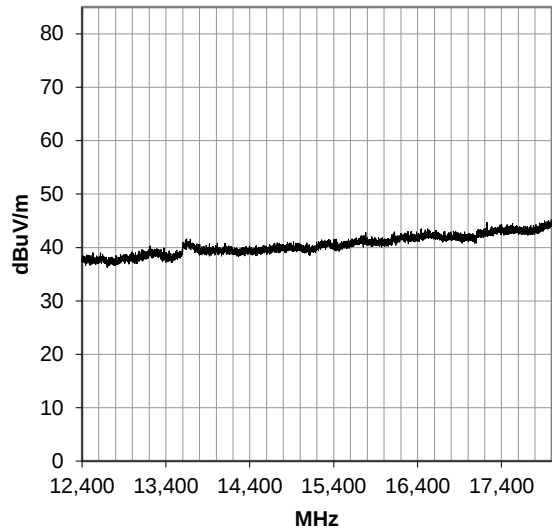


8200-12400 MHz, Run 14
Case 4

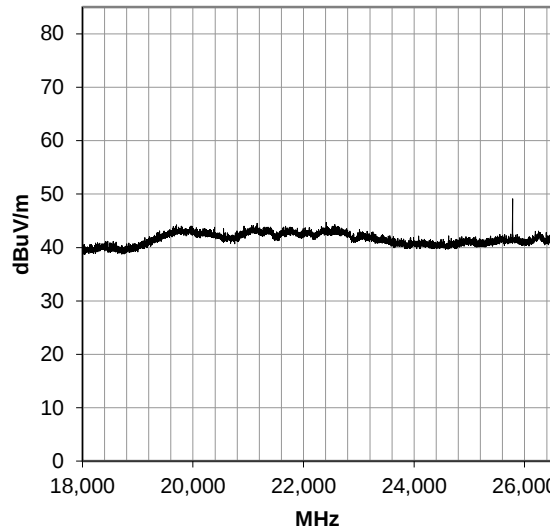


SPURIOUS RADIATED EMISSIONS

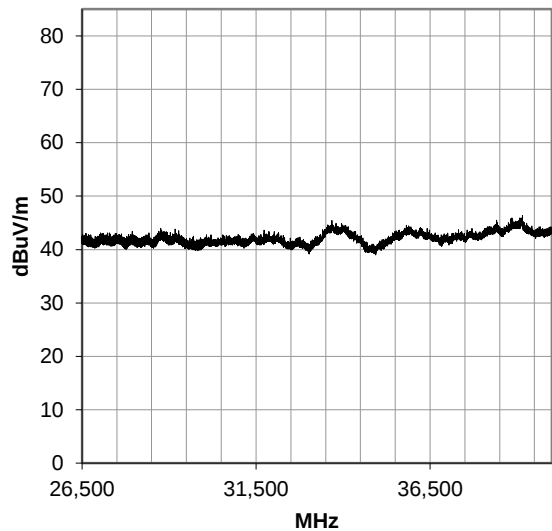
12400-18000 MHz, Run 15
Case 4



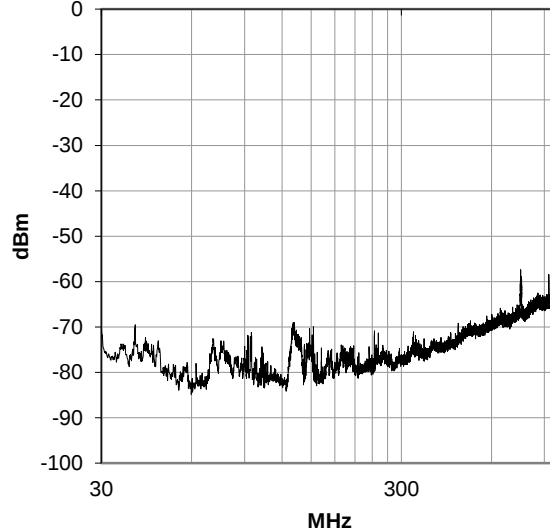
18000-26500 MHz, Run 39
Case 4



26500-40000 MHz, Run 40
Case 4

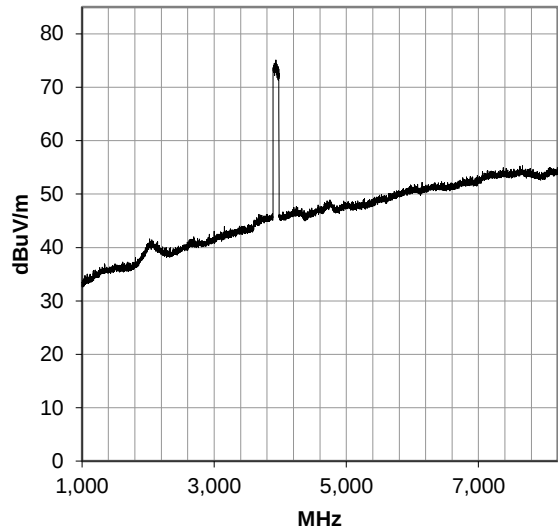


30-1000 MHz, Run 53
Case 4

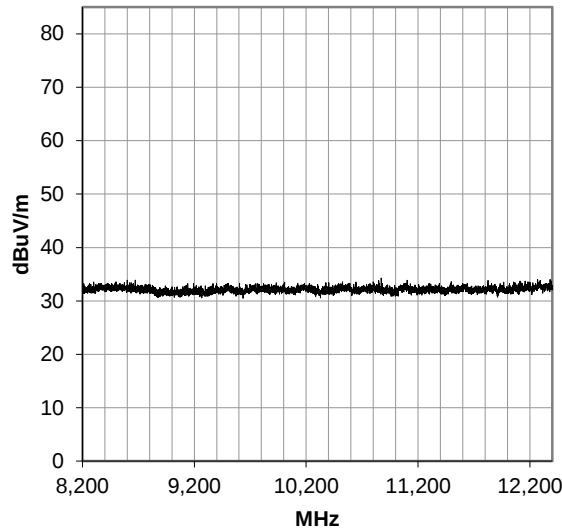


SPURIOUS RADIATED EMISSIONS

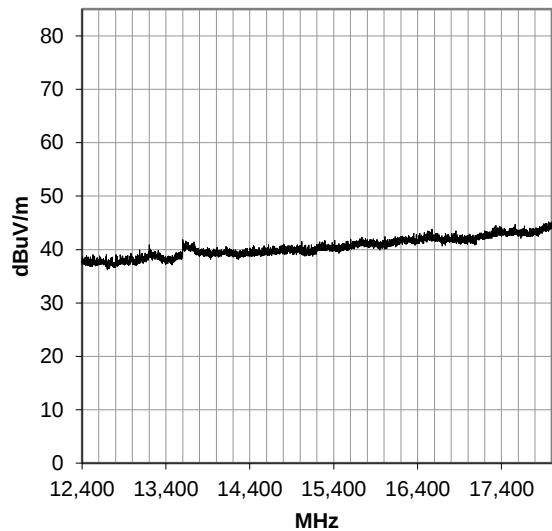
1000-8200 MHz, Run 16
Case 5



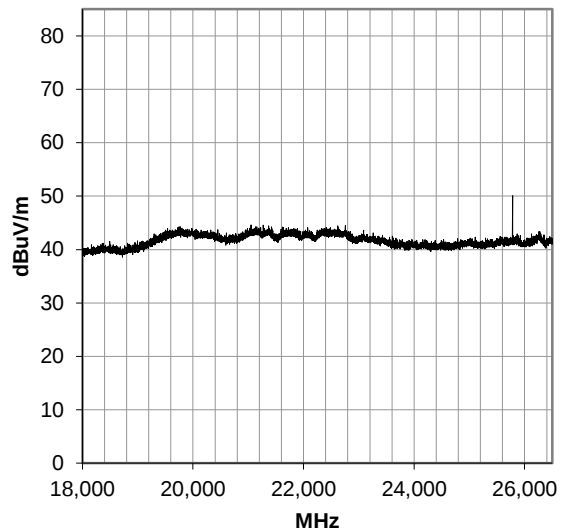
8200-12400 MHz, Run 17
Case 5



12400-18000 MHz, Run 18
Case 5

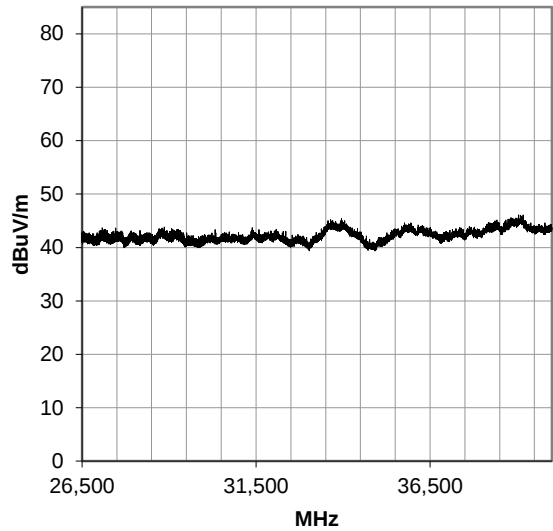


18000-26500 MHz, Run 37
Case 5

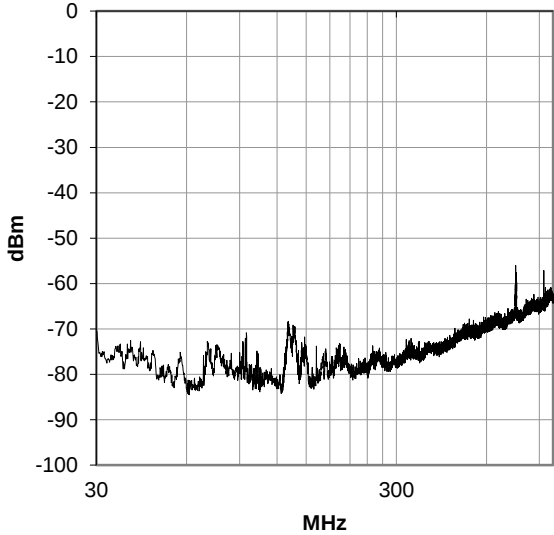


SPURIOUS RADIATED EMISSIONS

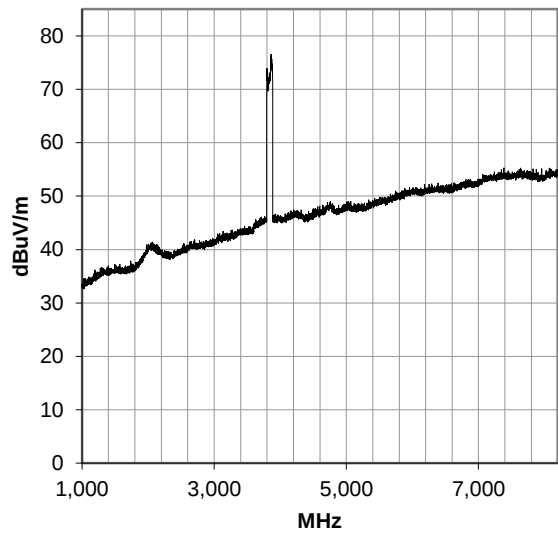
26500-40000 MHz, Run 38
Case 5



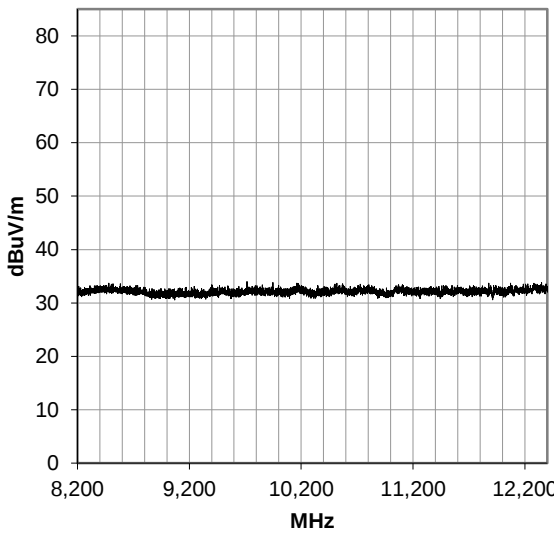
30-1000 MHz, Run 54
Case 5



1000-8200 MHz, Run 19
Case 6

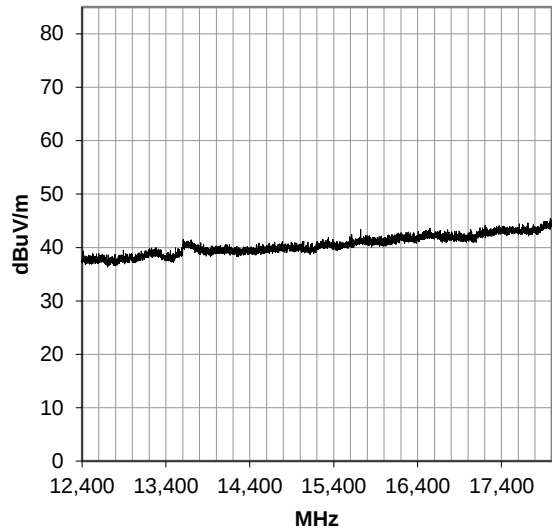


8200-12400 MHz, Run 20
Case 6

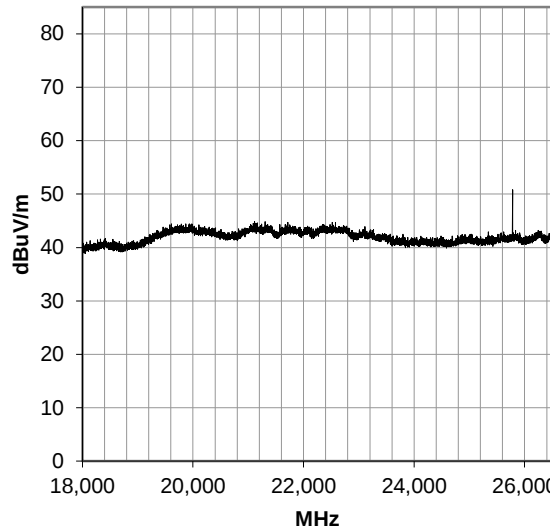


SPURIOUS RADIATED EMISSIONS

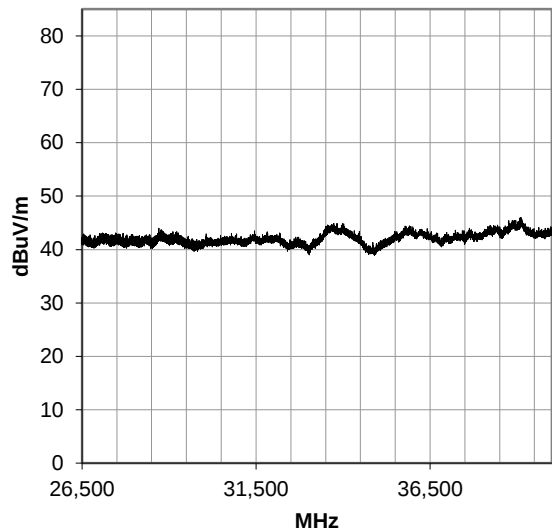
12400-18000 MHz, Run 21
Case 6



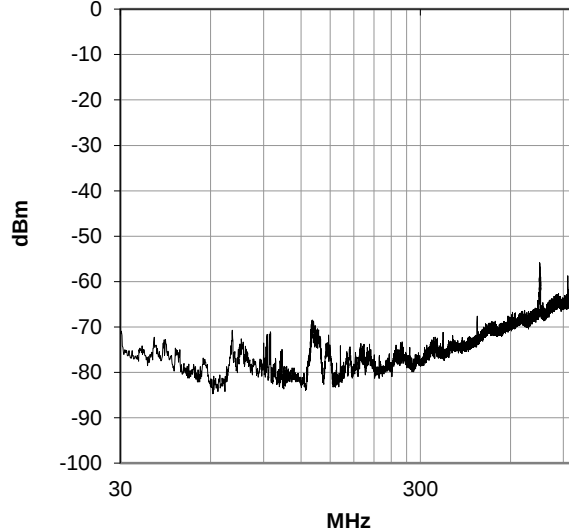
18000-26500 MHz, Run 34
Case 6



26500-40000 MHz, Run 35
Case 6

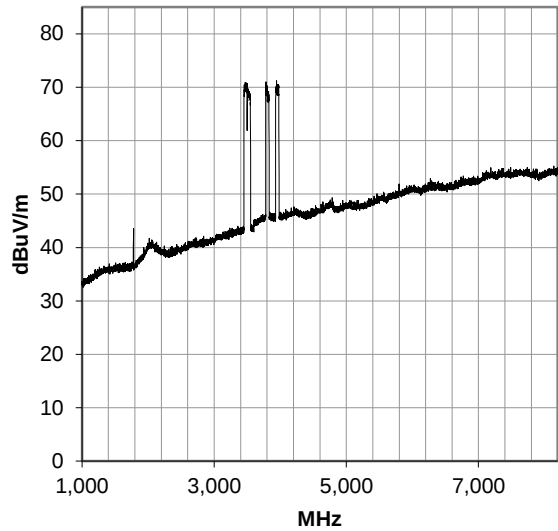


30-1000 MHz, Run 55
Case 6

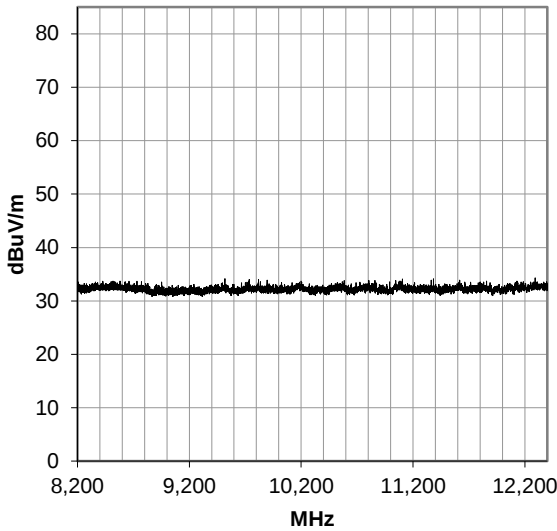


SPURIOUS RADIATED EMISSIONS

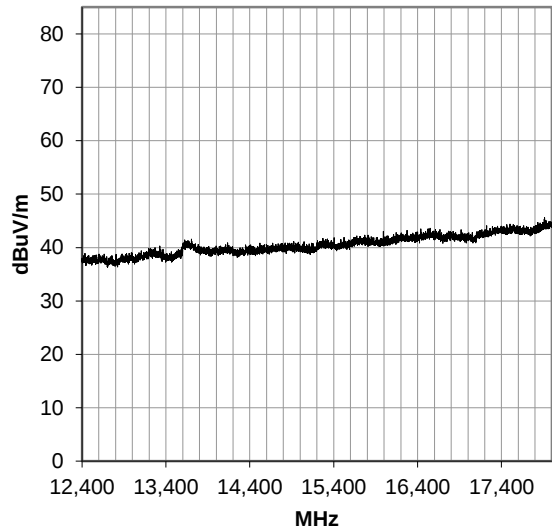
1000-8200 MHz, Run 22
Case 7



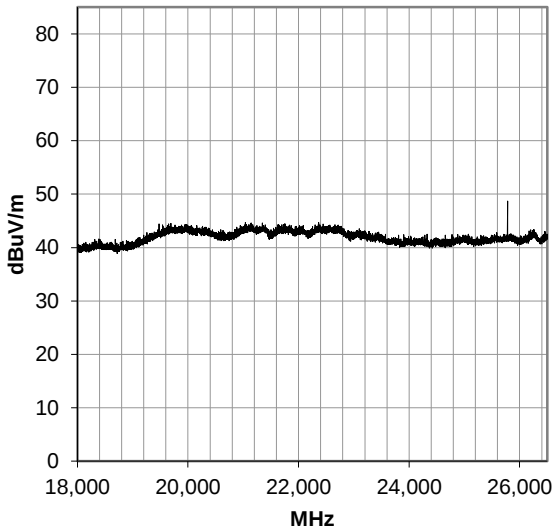
8200-12400 MHz, Run 23
Case 7



12400-18000 MHz, Run 24
Case 7

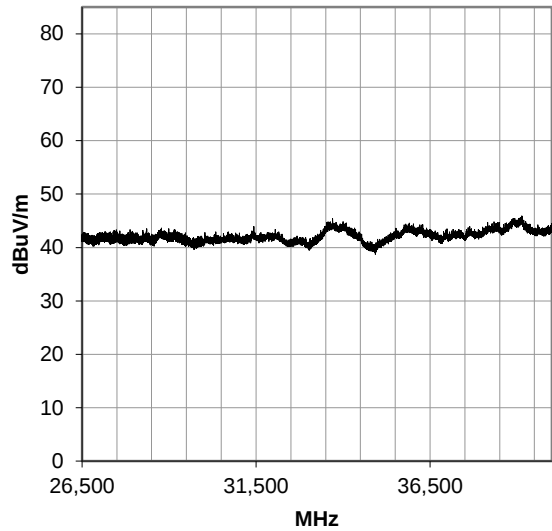


18000-26500 MHz, Run 31
Case 7

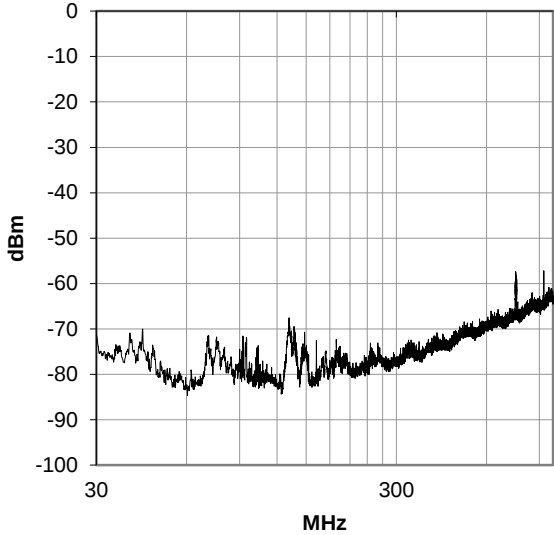


SPURIOUS RADIATED EMISSIONS

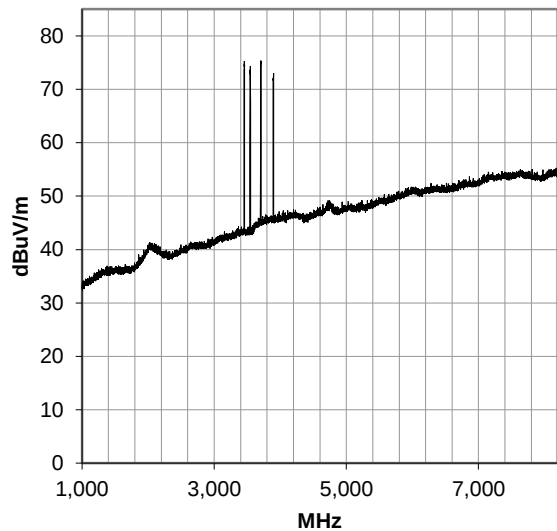
26500-40000 MHz, Run 32
Case 7



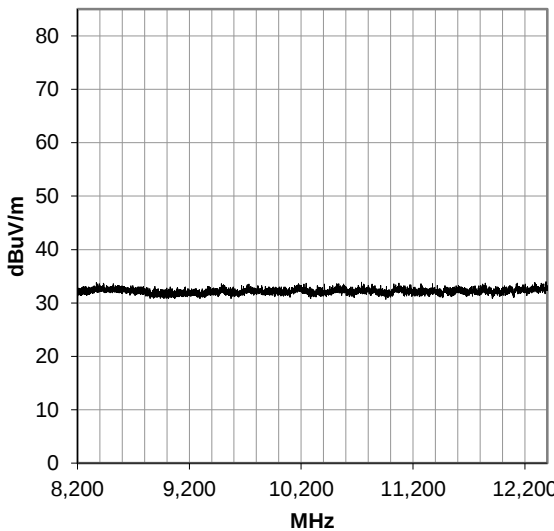
30-1000 MHz, Run 56
Case 7



1000-8200 MHz, Run 25
Case 8

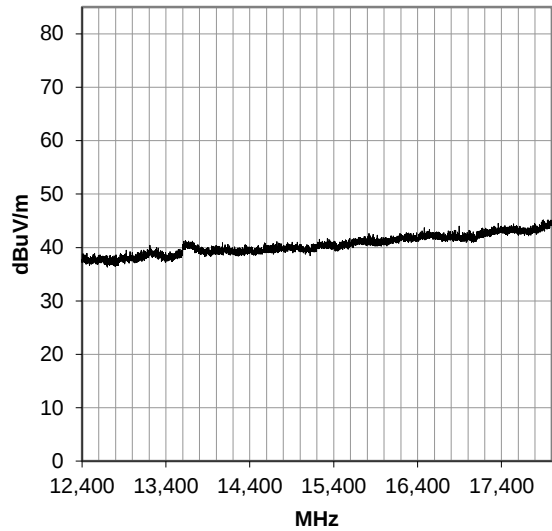


8200-12400 MHz, Run 26
Case 8

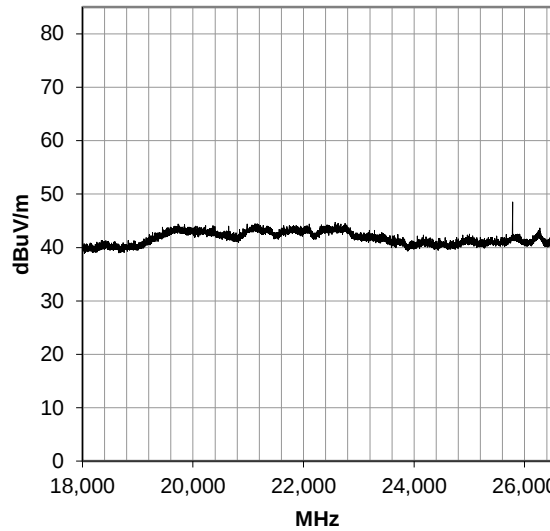


SPURIOUS RADIATED EMISSIONS

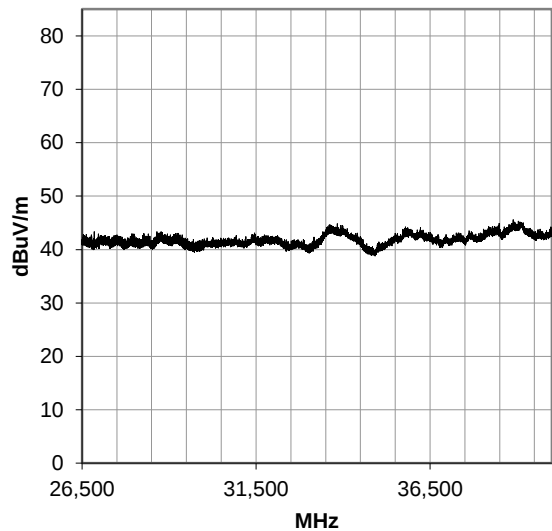
12400-18000 MHz, Run 27
Case 8



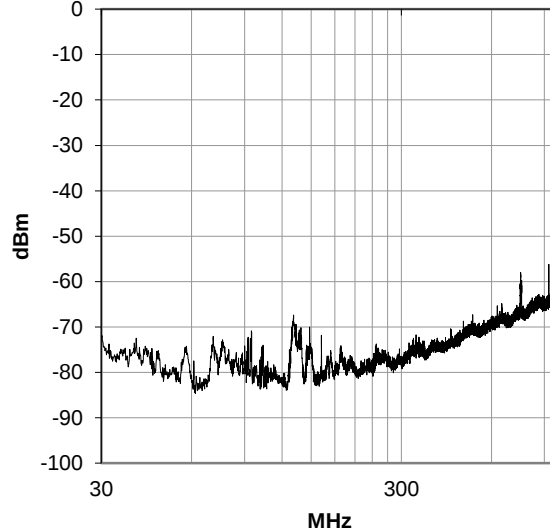
18000-26500 MHz, Run 28
Case 8



26500-40000 MHz, Run 30
Case 8



30-1000 MHz, Run 57
Case 8



End of Test Report