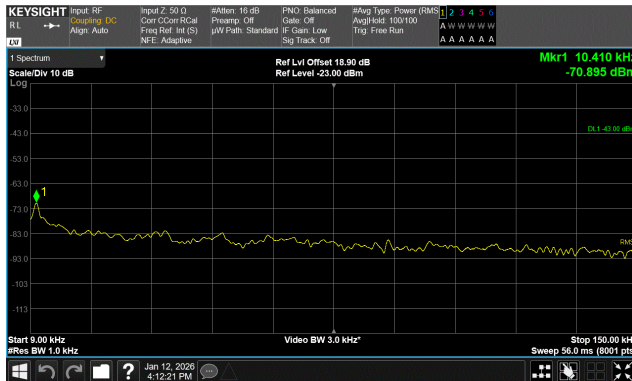
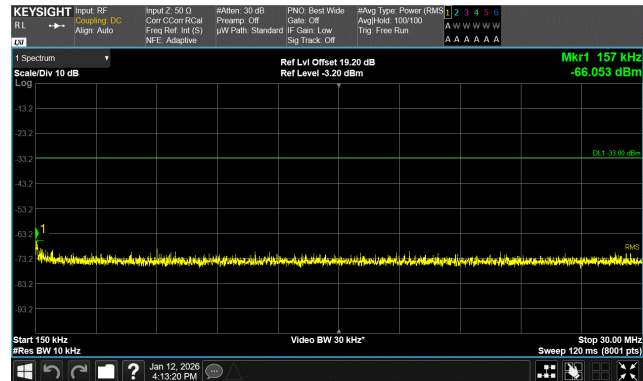


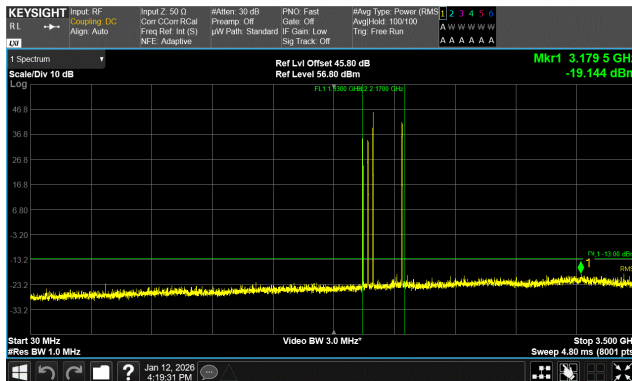
SPURIOUS CONDUCTED EMISSIONS - MULTICARRIER



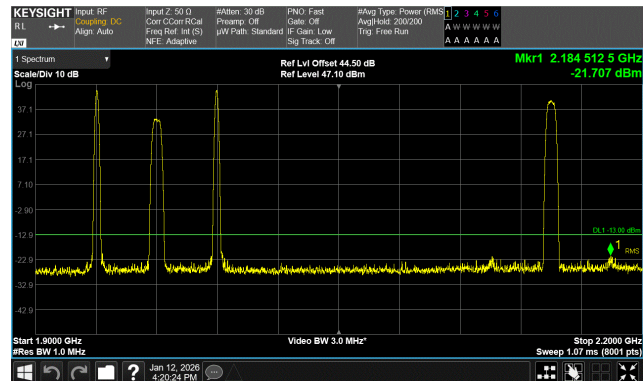
2G GSM/EDGE
Test Case 3
8PSK Modulation



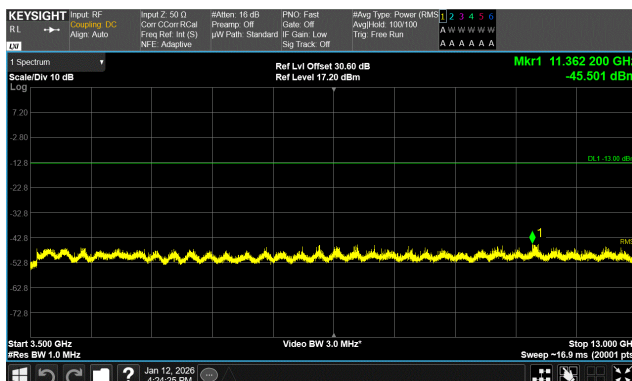
2G GSM/EDGE
Test Case 3
8PSK Modulation



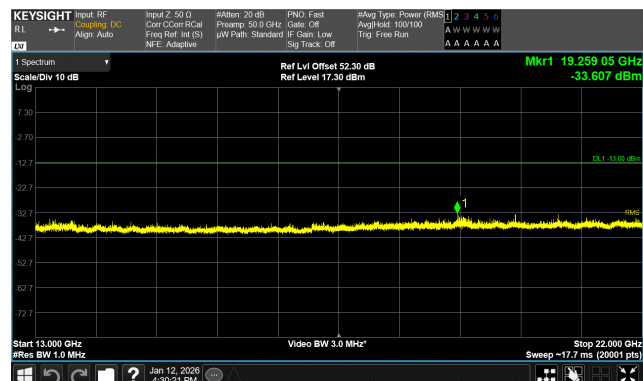
2G GSM/EDGE
Test Case 3
8PSK Modulation



2G GSM/EDGE
Test Case 3
8PSK Modulation

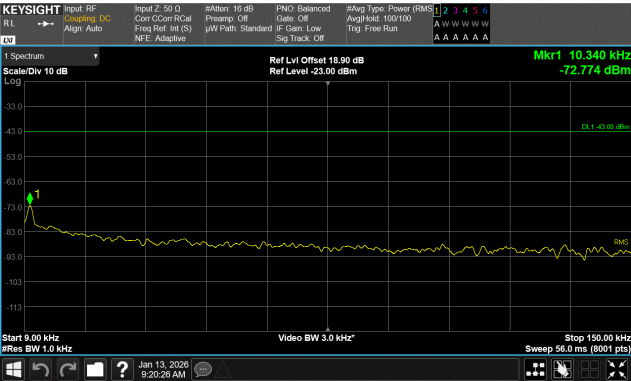


2G GSM/EDGE
Test Case 3
8PSK Modulation

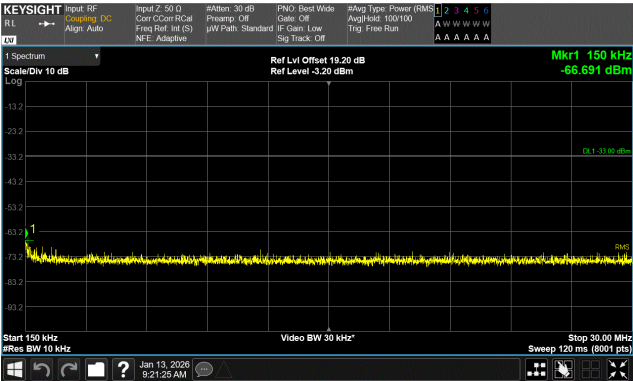


2G GSM/EDGE
Test Case 3
8PSK Modulation

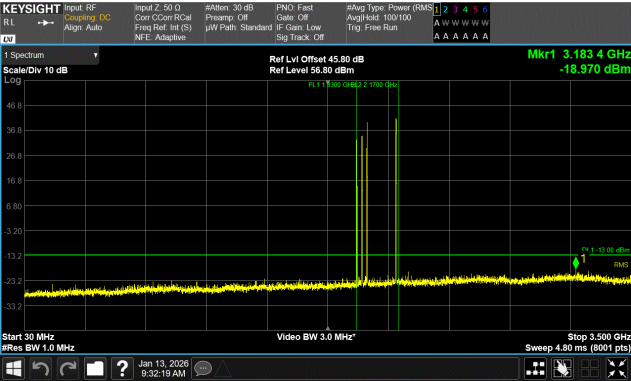
SPURIOUS CONDUCTED EMISSIONS - MULTICARRIER



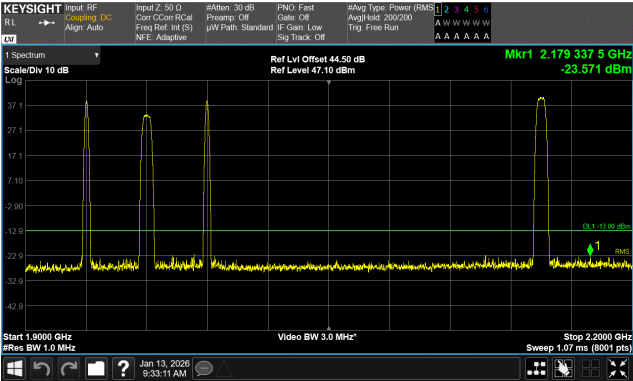
2G GSM/EDGE
Test Case 4
GMSK Modulation



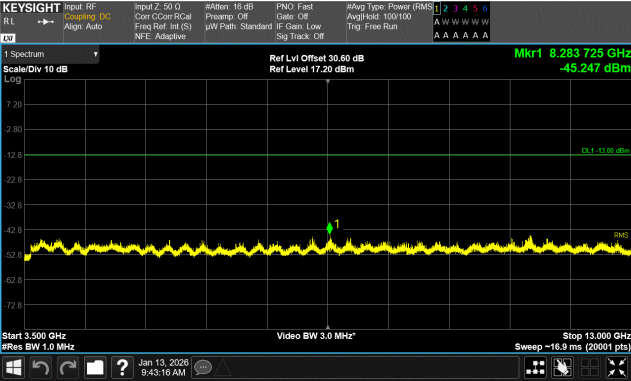
2G GSM/EDGE
Test Case 4
GMSK Modulation



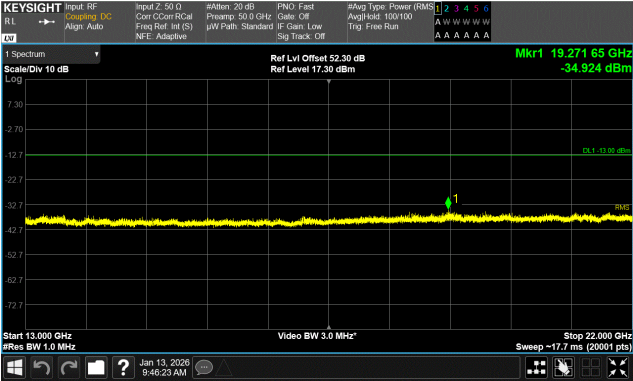
2G GSM/EDGE
Test Case 4
GMSK Modulation



2G GSM/EDGE
Test Case 4
GMSK Modulation

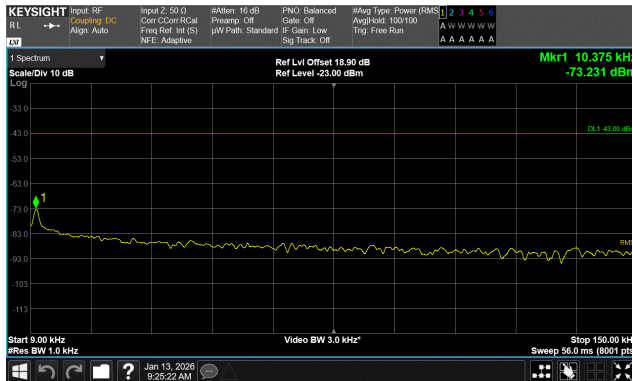


2G GSM/EDGE
Test Case 4
GMSK Modulation

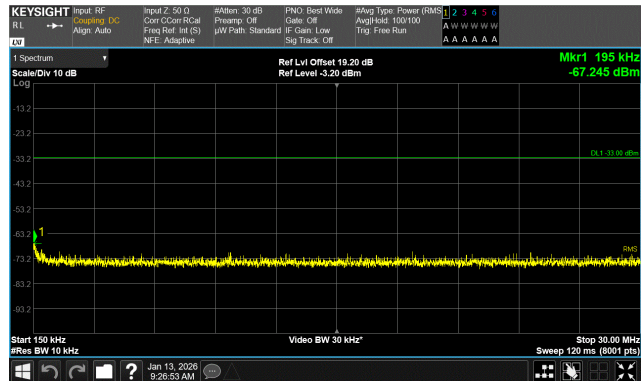


2G GSM/EDGE
Test Case 4
GMSK Modulation

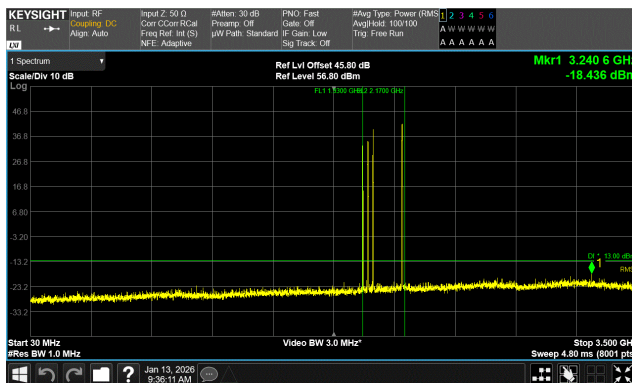
SPURIOUS CONDUCTED EMISSIONS - MULTICARRIER



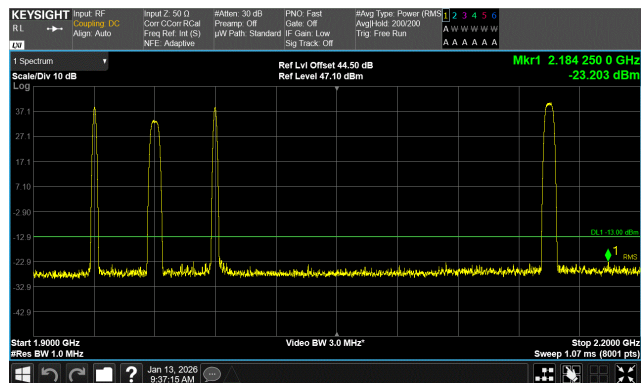
2G GSM/EDGE
Test Case 4
8PSK Modulation



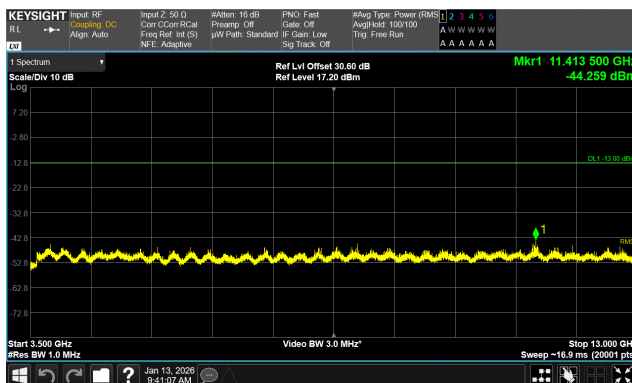
2G GSM/EDGE
Test Case 4
8PSK Modulation



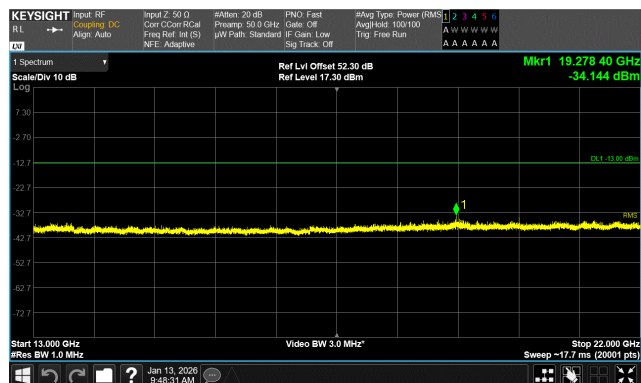
2G GSM/EDGE
Test Case 4
8PSK Modulation



2G GSM/EDGE
Test Case 4
8PSK Modulation



2G GSM/EDGE
Test Case 4
8PSK Modulation



2G GSM/EDGE
Test Case 4
8PSK Modulation

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. In the range of 1 GHz to 8.2 GHz, 10 dB of external attenuation was applied to the RF path to prevent saturation of the preamp and damage to the spectrum analyzer due to carrier power. Impact to noise floor measurements increased by 10 dB in that range.

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 20 GHz for the 1900 MHz RRH. The radiated emissions limits are defined in FCC 24.238(a). The radiated emissions limits are shown below with all pipes enabled. The requirements for FCC/IC measurements are detailed in KDB971168 D01 v03r01 and ANSI C63.26-2015 paragraph 5.1.

Frequency Range	Max absolute Limits		ERP Max limits dBuV/m at test distance			Detector	
	Watts	dBm	1m	3m	10m	Type	BW
30 MHz – 20 GHz excluding carriers	50.0 μ W	-13.0	93.9	84.4	73.9	Ave	$\geq$ 1MHz

Per FCC 2.1057(a)(1) and RSS Gen 6.13, the upper level of measurement is the 10th harmonic of the highest fundamental frequency. As such, the upper level of measurement is approximately 22 GHz for the AHFII RRH. The radiated emissions limits are defined in FCC 27.53(h)(1).

The radiated emissions limits are shown in Table 2 for all pipes enabled. The requirements for FCC measurements are detailed in KDB971168 D01 v03r01 and ANSI C63.26-2015 paragraph 5.1.

Frequency Range	Max absolute Limits		Max limits dBuV/m at test distance			Detector	
	Watts	dBm	1m	3m	10m	Type	BW
30 MHz to 22 GHz excluding carriers	50.0 μ W	-13.0	93.9	84.4	73.9	Ave	1 MHz

SPURIOUS RADIATED EMISSIONS

Two radiated emission test configurations will be used to prove compliance for both the AWS and 1900 PCS frequency bands. The AWS Band and 1900 PCS Band transmitters will be enabled simultaneously at maximum power (120W/port or x 4 port total 480W) on all four ports for this test. Two test cases are needed to demonstrate compliance with maximum carrier power (40W carrier) for each band.

Multiband/multicarrier test cases were also needed to be tested to demonstrate compliance. The test will include channel bandwidth for both frequency bands. The bottom, middle and top frequency channels for each band will be enabled. The proposed carrier configurations for the radiated emission testing are provided in Table 1 and 2.

Frequency Band	Ant Port	RF BW	EARFCN	Transmit Frequency	Carrier Power
PCS (WCDMA)	1	5 MHz*	9962 (Bottom Channel)	1932.4 MHz	40 Watts
PCS (GSM)	1	200KHz***	809 (Top Channel -1)	1989.6 MHz	40 Watts
PCS (WCDMA)	2	5 MHz*	9800 (Middle Channel)	1960.0 MHz	40 Watts
PCS GSM)	2	200KHz***	513 (Bottom Channel +1)	1930.4 MHz	40 Watts
PCS (WCDMA)	3	5 MHz**	9938 (Top Channel)	1987.6 MHz	40 Watts
PCS (GSM)	3	200KHz***	661 (Middle Channel)	1960.0 MHz	40 Watts
PCS (WCDMA)	4	5 MHz**	9938 (Top Channel)	1987.6 MHz	40 Watts
PCS (GSM)	4	200KHz***	661 (Middle Channel)	1960.0 MHz	40 Watts
AWS (WCDMA)	1	5 MHz*	3112 (Bottom Channel)	2112.4 MHz	40 Watts
AWS (WCDMA)	2	5 MHz**	3250 (Middle Channel)	2140.0 MHz	40 Watts
AWS(WCDMA)	3	5 MHz**	3250 (Middle Channel)	2140.0 MHz	40 Watts
AWS(WCDMA)	4	5 MHz*	3388 (Top Channel)	2167.6 MHz	40 Watts

Table 1 PCS – GSM/WCDMA (at 40W/carrier) & AWS – WCDMA at 40W/carrier) Carriers Enabled Simultaneously

Frequency Band	Ant Port	RF BW	EARFCN	Transmit Frequency	Carrier Power
PCS(WCDMA)	1	5 MHz**	9662 (Bottom Channel)	1932.4 MHz	40 Watts
PCS(WCDMA)	1	5 MHz**	9938 (Top Channel)	1987.6 MHz	40 Watts
PCS(WCDMA)	2	5 MHz**	9662 (Bottom Channel)	1932.4 MHz	40 Watts
PCS(WCDMA)	2	5 MHz**	9938 (Top Channel)	1987.6 MHz	40 Watts
PCS(WCDMA)	3	5 MHz**	9800 (Middle Channel)	1960.0 MHz	40 Watts
PCS(WCDMA)	4	5 MHz**	9800 (Middle Channel)	1960.0 MHz	40 Watts
AWS(WCDMA)	1	5 MHz**	3250 (Middle Channel)	2140 MHz	40 Watts
AWS(WCDMA)	2	5 MHz**	3250 (Middle Channel)	2140 MHz	40 Watts
AWS(WCDMA)	3	5 MHz**	3112 (Bottom Channel)	2112.4 MHz	40 Watts
AWS(WCDMA)	3	5 MHz**	3388 (Top Channel)	2167.6 MHz	40 Watts
AWS(WCDMA)	4	5 MHz**	3112 (Bottom Channel)	2112.4 MHz	40 Watts
AWS(WCDMA)	4	5 MHz**	3388 (Top Channel)	2167.6 MHz	40 Watts

Table 2 Multiband/Multicarriers PCS – WCDMA (at 40W/carrier) & AWS – WCDMA (at 40W/carrier) Carriers Enabled Simultaneously

Notes: “ * single WCDMA carrier, ** 2DL - 2x2 MIMO WCDMA carriers, *** single GSM carrier ”

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-20	AWB	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	2025-08-29	2026-08-29
Antenna - Standard Gain	ETS Lindgren	3160-08	AJG	2025-01-06	2026-01-06
Amplifier - Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	PAL	2025-08-29	2026-08-29
Antenna - Double Ridge	A.H. Systems, Inc.	SAS-574	AXW	2024-09-17	2026-09-17
Cable	Northwest EMC	18-40GHz	TXE	2025-08-29	2026-08-29
Amplifier - Pre-Amplifier	Miteq	JSDWK42-18004000-60-5P	PAM	2025-08-29	2026-08-29
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFL	2025-04-14	2026-04-14

FREQUENCY RANGE INVESTIGATED

30 MHz TO 26.5 GHz

POWER INVESTIGATED

54VDC

CONFIGURATIONS INVESTIGATED

NOKI0090-5

MODES INVESTIGATED

Test Case 1: PCS – GSM/WCDMA (at 40W/carrier) & AWS – WCDMA (at 40W/carrier)

Test Case 2: PCS – WCDMA (at 40W/carrier) & AWS – WCDMA (at 40W/carrier)

SPURIOUS RADIATED EMISSIONS



EUT:	Airscale Base Transceiver Station Radio Unit Model AHFII	Work Order:	NOKI0090
Serial Number:	AH251400352	Date:	2026-01-05
Customer:	Nokia Solutions and Networks	Temperature:	20.5°C
Attendees:	John Rattanaovong, David Le	Relative Humidity:	41.1%
Customer Project:	None	Bar. Pressure (PMSL):	1013 mb
Tested By:	Jarrod Brenden	Job Site:	PT01
Power:	54VDC	Configuration:	NOKI0090-5

TEST PARAMETERS

Run #:	9	Test Distance (m):	3	Ant. Height(s) (m):	1.5(m)
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COMMENTS

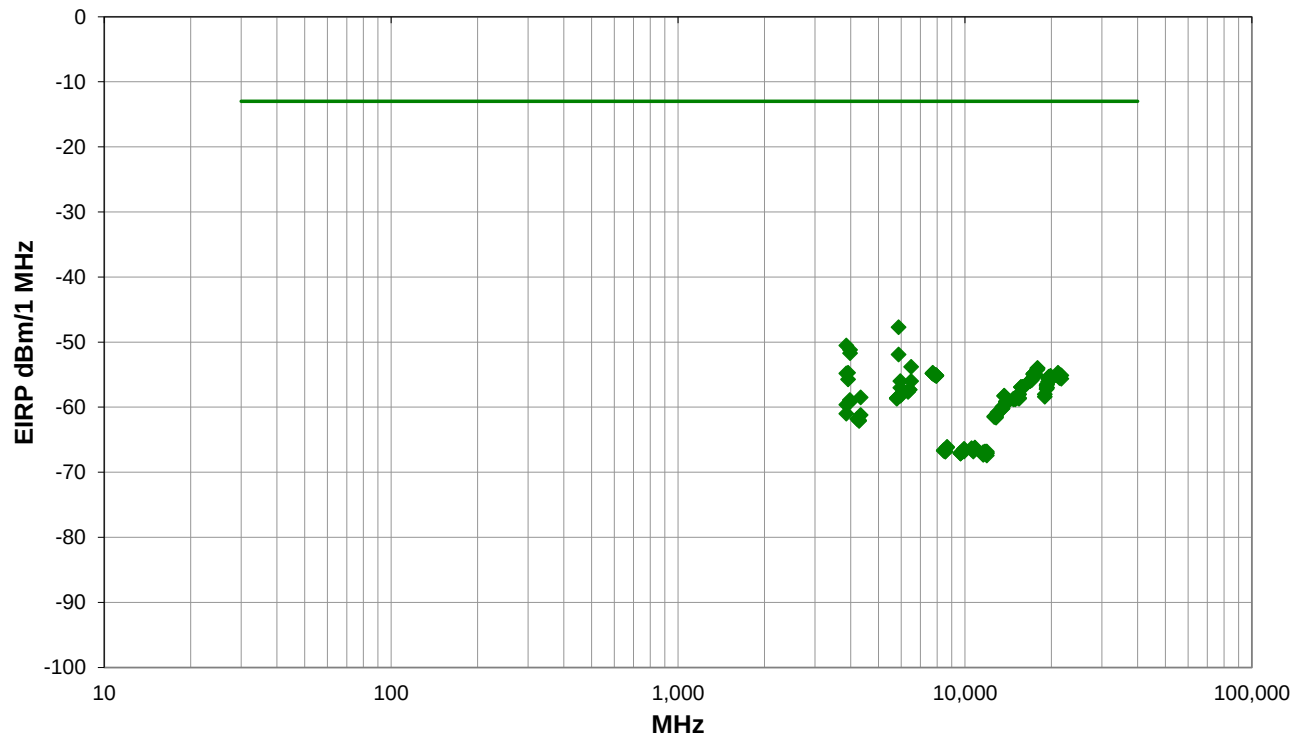
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EUT OPERATING MODES

Test Case 1: PCS – GSM/WCDMA (at 40W/carrier) & AWS – WCDMA (at 40W/carrier)
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DEVIATIONS FROM TEST STANDARD

None



Run #: 9

■ PK ◆ AV ● QP

SPURIOUS RADIATED EMISSIONS

RESULTS - Run #9

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)
5879.658	1.5	315.0	Vert	AV	16.9E-9	-47.7	-13.0	-34.7
3860.800	2.4	0.0	Horz	AV	8.9E-9	-50.5	-13.0	-37.5
3979.200	1.7	358.0	Vert	AV	7.5E-9	-51.2	-13.0	-38.2
3979.217	1.1	315.0	Horz	AV	6.7E-9	-51.7	-13.0	-38.7
5879.850	1.5	15.0	Horz	AV	6.4E-9	-51.9	-13.0	-38.9
6504.133	1.5	318.0	Horz	AV	4.1E-9	-53.8	-13.0	-40.8
17907.840	1.5	120.0	Horz	AV	4.0E-9	-54.0	-13.0	-41.0
17905.020	1.5	247.0	Vert	AV	4.0E-9	-54.0	-13.0	-41.0
17887.570	3.5	74.0	Horz	AV	3.8E-9	-54.2	-13.0	-41.2
17885.990	1.5	0.0	Vert	AV	3.8E-9	-54.2	-13.0	-41.2
21124.670	1.5	225.0	Horz	AV	3.4E-9	-54.7	-13.0	-41.7
7732.017	1.5	26.0	Vert	AV	3.4E-9	-54.7	-13.0	-41.7
3920.100	1.5	33.0	Horz	AV	3.4E-9	-54.7	-13.0	-41.7
17374.980	1.5	320.0	Horz	AV	3.3E-9	-54.8	-13.0	-41.8
17375.190	1.5	45.0	Vert	AV	3.3E-9	-54.8	-13.0	-41.8
7728.833	1.6	244.0	Horz	AV	3.3E-9	-54.8	-13.0	-41.8
3860.808	1.7	6.0	Vert	AV	3.3E-9	-54.8	-13.0	-41.8
7720.108	1.5	52.0	Horz	AV	3.3E-9	-54.8	-13.0	-41.8
7720.283	1.5	43.0	Vert	AV	3.3E-9	-54.8	-13.0	-41.8
17340.310	1.6	141.0	Horz	AV	3.2E-9	-54.9	-13.0	-41.9
17340.530	1.5	45.0	Vert	AV	3.2E-9	-54.9	-13.0	-41.9
21398.360	1.5	336.0	Horz	AV	3.1E-9	-55.0	-13.0	-42.0
17638.850	1.5	164.0	Horz	AV	3.1E-9	-55.0	-13.0	-42.0
17638.670	3.1	136.0	Vert	AV	3.1E-9	-55.0	-13.0	-42.0
7840.642	1.5	111.0	Horz	AV	3.1E-9	-55.0	-13.0	-42.0
7837.850	1.5	284.0	Vert	AV	3.1E-9	-55.0	-13.0	-42.0
21676.520	1.5	241.0	Horz	AV	3.1E-9	-55.1	-13.0	-42.1
7957.908	1.5	128.0	Vert	AV	3.1E-9	-55.1	-13.0	-42.1
7952.550	1.5	258.0	Horz	AV	3.1E-9	-55.1	-13.0	-42.1
7951.542	1.5	46.0	Vert	AV	3.1E-9	-55.1	-13.0	-42.1
21122.570	1.5	263.0	Vert	AV	3.0E-9	-55.2	-13.0	-42.2
19897.940	1.5	259.0	Horz	AV	3.0E-9	-55.2	-13.0	-42.2
19875.570	1.5	71.0	Horz	AV	3.0E-9	-55.2	-13.0	-42.2
7956.192	1.5	328.0	Horz	AV	3.0E-9	-55.2	-13.0	-42.2
19598.780	1.5	204.0	Horz	AV	2.9E-9	-55.3	-13.0	-42.3
17389.730	1.5	225.0	Horz	AV	2.9E-9	-55.3	-13.0	-42.3
17389.130	1.5	264.0	Vert	AV	2.9E-9	-55.3	-13.0	-42.3
21397.930	1.5	277.0	Vert	AV	2.8E-9	-55.5	-13.0	-42.5
21676.610	1.5	89.0	Vert	AV	2.7E-9	-55.6	-13.0	-42.6
19506.640	1.5	20.0	Horz	AV	2.7E-9	-55.6	-13.0	-42.6

SPURIOUS RADIATED EMISSIONS

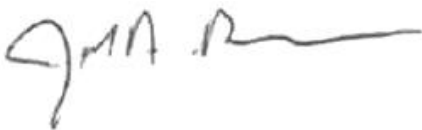
Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)
19898.440	1.5	170.0	Vert	AV	2.7E-9	-55.7	-13.0	-42.7
19598.360	1.5	51.0	Vert	AV	2.7E-9	-55.7	-13.0	-42.7
19876.720	1.5	304.0	Vert	AV	2.7E-9	-55.7	-13.0	-42.7
17121.930	1.5	275.0	Vert	AV	2.7E-9	-55.7	-13.0	-42.7
3919.833	1.5	11.0	Vert	AV	2.7E-9	-55.7	-13.0	-42.7
17122.110	1.6	15.0	Horz	AV	2.6E-9	-55.8	-13.0	-42.8
16898.330	1.5	190.0	Vert	AV	2.6E-9	-55.9	-13.0	-42.9
16899.930	1.5	244.0	Horz	AV	2.5E-9	-56.0	-13.0	-43.0
5963.033	2.1	185.0	Vert	AV	2.5E-9	-56.0	-13.0	-43.0
6501.917	2.1	180.0	Vert	AV	2.5E-9	-56.0	-13.0	-43.0
19509.820	1.5	320.0	Vert	AV	2.4E-9	-56.1	-13.0	-43.1
19325.510	1.5	155.0	Horz	AV	2.2E-9	-56.5	-13.0	-43.5
19303.500	1.5	64.0	Horz	AV	2.2E-9	-56.5	-13.0	-43.5
19259.570	1.5	292.0	Horz	AV	2.1E-9	-56.7	-13.0	-43.7
15916.230	3.8	168.0	Horz	AV	2.0E-9	-56.9	-13.0	-43.9
15678.820	1.0	126.0	Horz	AV	2.0E-9	-56.9	-13.0	-43.9
15677.930	1.5	45.0	Vert	AV	2.0E-9	-56.9	-13.0	-43.9
15899.430	1.5	49.0	Horz	AV	2.0E-9	-56.9	-13.0	-43.9
15899.660	2.5	4.0	Vert	AV	2.0E-9	-56.9	-13.0	-43.9
19324.050	1.5	115.0	Vert	AV	2.0E-9	-57.0	-13.0	-44.0
19303.270	1.5	11.0	Vert	AV	2.0E-9	-57.0	-13.0	-44.0
15914.430	1.5	96.0	Vert	AV	2.0E-9	-57.0	-13.0	-44.0
5963.233	1.5	215.0	Horz	AV	2.0E-9	-57.0	-13.0	-44.0
19259.310	1.5	264.0	Vert	AV	1.9E-9	-57.2	-13.0	-44.2
6421.175	1.5	137.0	Horz	AV	1.8E-9	-57.3	-13.0	-44.3
6420.825	1.5	20.0	Vert	AV	1.8E-9	-57.3	-13.0	-44.3
6338.358	1.5	360.0	Horz	AV	1.7E-9	-57.6	-13.0	-44.6
6337.625	1.5	99.0	Vert	AV	1.7E-9	-57.6	-13.0	-44.6
19010.280	1.5	186.0	Horz	AV	1.6E-9	-58.0	-13.0	-45.0
15445.490	1.5	228.0	Horz	AV	1.6E-9	-58.0	-13.0	-45.0
15445.580	1.5	84.0	Vert	AV	1.6E-9	-58.0	-13.0	-45.0
5966.375	1.5	157.0	Vert	AV	1.5E-9	-58.1	-13.0	-45.1
13718.400	1.5	360.0	Horz	AV	1.5E-9	-58.2	-13.0	-45.2
5966.317	1.5	317.0	Horz	AV	1.5E-9	-58.2	-13.0	-45.2
13720.270	1.5	206.0	Vert	AV	1.5E-9	-58.3	-13.0	-45.3
19012.980	1.5	96.0	Vert	AV	1.4E-9	-58.4	-13.0	-45.4
15175.060	1.5	65.0	Horz	AV	1.4E-9	-58.5	-13.0	-45.5
4335.167	1.5	197.0	Vert	AV	1.4E-9	-58.5	-13.0	-45.5
15459.260	1.5	353.0	Vert	AV	1.4E-9	-58.6	-13.0	-45.6
14977.750	1.5	321.0	Horz	AV	1.4E-9	-58.6	-13.0	-45.6
15174.700	3.1	322.0	Vert	AV	1.4E-9	-58.6	-13.0	-45.6

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)
5798.833	1.5	197.0	Horz	AV	1.4E-9	-58.6	-13.0	-45.6
5798.308	1.5	94.0	Vert	AV	1.4E-9	-58.6	-13.0	-45.6
5791.617	3.3	351.0	Horz	AV	1.4E-9	-58.6	-13.0	-45.6
15456.870	1.5	96.0	Horz	AV	1.3E-9	-58.7	-13.0	-45.7
14784.520	1.5	360.0	Vert	AV	1.3E-9	-58.7	-13.0	-45.7
5791.392	1.6	233.0	Vert	AV	1.3E-9	-58.7	-13.0	-45.7
14785.350	1.6	250.0	Horz	AV	1.3E-9	-58.8	-13.0	-45.8
14978.140	1.5	37.0	Vert	AV	1.3E-9	-58.8	-13.0	-45.8
3974.975	1.5	41.0	Horz	AV	1.3E-9	-58.9	-13.0	-45.9
13914.360	1.5	270.0	Horz	AV	1.2E-9	-59.1	-13.0	-46.1
13914.280	1.5	303.0	Vert	AV	1.2E-9	-59.2	-13.0	-46.2
3975.000	1.8	201.0	Vert	AV	1.2E-9	-59.2	-13.0	-46.2
13924.730	1.6	205.0	Horz	AV	1.1E-9	-59.4	-13.0	-46.4
13925.110	1.5	120.0	Vert	AV	1.1E-9	-59.4	-13.0	-46.4
3864.417	2.2	309.0	Vert	AV	1.1E-9	-59.6	-13.0	-46.6
13512.550	1.5	128.0	Horz	AV	1.0E-9	-59.9	-13.0	-46.9
13510.630	1.5	354.0	Vert	AV	970.8E-12	-60.1	-13.0	-47.1
13528.600	1.5	57.0	Horz	AV	948.7E-12	-60.2	-13.0	-47.2
13526.780	1.5	332.0	Vert	AV	948.7E-12	-60.2	-13.0	-47.2

CONCLUSION

Pass



Tested By

SPURIOUS RADIATED EMISSIONS

EUT:	Airscale Base Transceiver Station Radio Unit Model AHFII	Work Order:	NOKI0090
Serial Number:	AH251400352	Date:	2026-01-05
Customer:	Nokia Solutions and Networks	Temperature:	20.5°C
Attendees:	John Rattanaovong, David Le	Relative Humidity:	41.1%
Customer Project:	None	Bar. Pressure (PMSL):	1013 mb
Tested By:	Jarrod Brenden	Job Site:	PT01
Power:	54VDC	Configuration:	NOKI0090-5

TEST PARAMETERS

Run #:	5	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

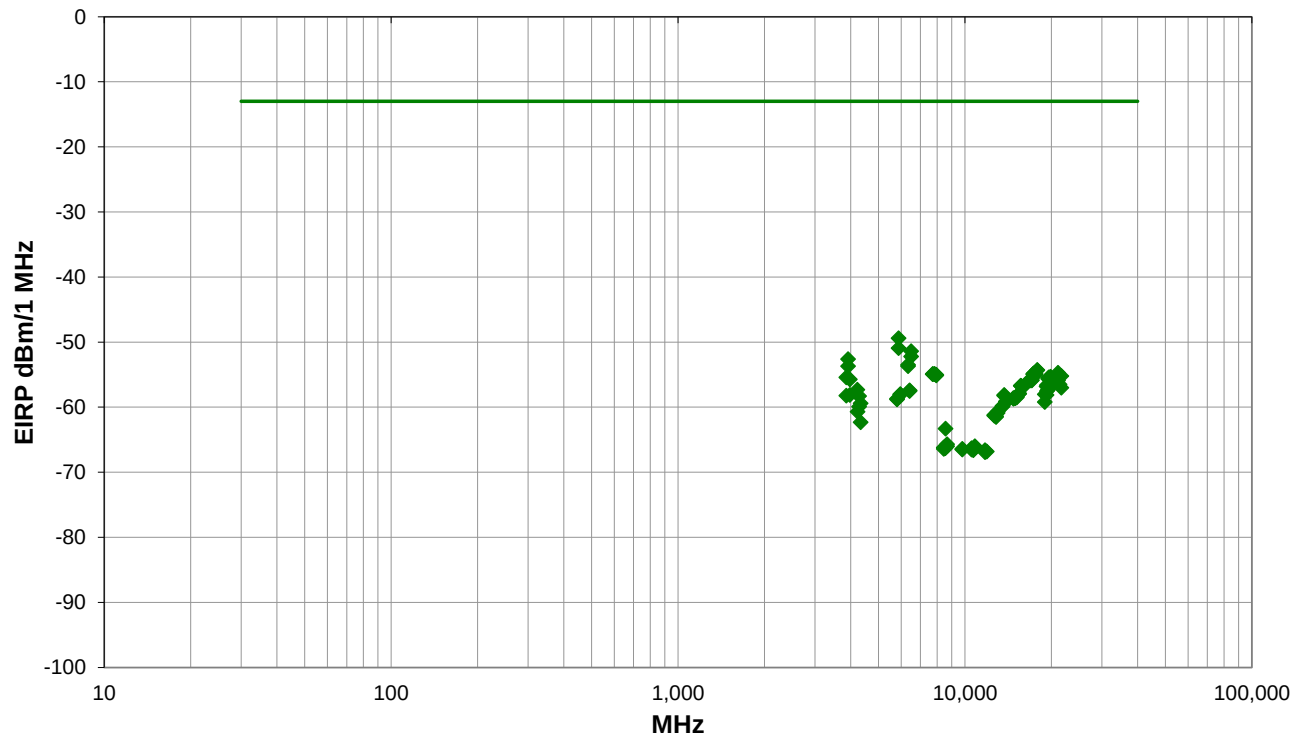
None

EUT OPERATING MODES

Test Case 2: PCS – WCDMA (at 40W/carrier) & AWS – WCDMA (at 40W/carrier)
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DEVIATIONS FROM TEST STANDARD

None



Run #: 5

■ PK ◆ AV ● QP

SPURIOUS RADIATED EMISSIONS

RESULTS - Run #5

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)
5879.975	1.5	207.0	Vert	AV	11.4E-9	-49.4	-13.0	-36.4
5879.750	1.5	328.0	Horz	AV	8.1E-9	-50.9	-13.0	-37.9
6502.875	1.5	332.0	Horz	AV	7.2E-9	-51.4	-13.0	-38.4
6502.900	1.5	203.0	Vert	AV	6.0E-9	-52.2	-13.0	-39.2
3919.883	2.3	12.0	Horz	AV	5.5E-9	-52.6	-13.0	-39.6
6336.933	1.5	332.0	Horz	AV	4.4E-9	-53.5	-13.0	-40.5
3920.017	1.5	10.0	Vert	AV	4.2E-9	-53.7	-13.0	-40.7
6337.375	1.5	337.0	Vert	AV	4.2E-9	-53.7	-13.0	-40.7
17887.100	1.5	63.0	Horz	AV	3.7E-9	-54.3	-13.0	-41.3
17887.640	1.5	315.0	Vert	AV	3.7E-9	-54.3	-13.0	-41.3
21122.950	1.5	118.0	Horz	AV	3.4E-9	-54.7	-13.0	-41.7
17389.960	2.3	104.0	Vert	AV	3.3E-9	-54.8	-13.0	-41.8
17639.900	1.5	94.0	Horz	AV	3.3E-9	-54.8	-13.0	-41.8
7731.158	2.7	235.0	Horz	AV	3.2E-9	-54.9	-13.0	-41.9
7729.583	1.5	178.0	Vert	AV	3.2E-9	-54.9	-13.0	-41.9
7838.208	2.8	356.0	Horz	AV	3.2E-9	-54.9	-13.0	-41.9
7838.517	1.5	219.0	Vert	AV	3.2E-9	-54.9	-13.0	-41.9
17389.930	1.5	360.0	Horz	AV	3.2E-9	-54.9	-13.0	-41.9
17338.360	1.2	73.0	Horz	AV	3.2E-9	-54.9	-13.0	-41.9
17338.310	1.5	262.0	Vert	AV	3.2E-9	-54.9	-13.0	-41.9
7949.200	1.5	284.0	Vert	AV	3.1E-9	-55.0	-13.0	-42.0
17642.330	1.5	237.0	Vert	AV	3.1E-9	-55.0	-13.0	-42.0
7950.283	1.6	336.0	Horz	AV	3.1E-9	-55.1	-13.0	-42.1
21398.740	1.5	212.0	Horz	AV	3.1E-9	-55.1	-13.0	-42.1
21678.210	1.5	247.0	Horz	AV	3.0E-9	-55.2	-13.0	-42.2
19877.690	1.5	41.0	Horz	AV	2.9E-9	-55.3	-13.0	-42.3
3864.742	1.8	360.0	Vert	AV	2.9E-9	-55.4	-13.0	-42.4
19598.610	1.5	289.0	Horz	AV	2.9E-9	-55.4	-13.0	-42.4
19507.210	1.5	74.0	Horz	AV	2.7E-9	-55.6	-13.0	-42.6
3975.358	1.5	322.0	Horz	AV	2.7E-9	-55.7	-13.0	-42.7
16897.850	1.5	197.0	Horz	AV	2.7E-9	-55.7	-13.0	-42.7
17120.170	1.5	352.0	Vert	AV	2.6E-9	-55.8	-13.0	-42.8
17118.780	1.5	308.0	Horz	AV	2.6E-9	-55.9	-13.0	-42.9
16900.780	1.5	116.0	Vert	AV	2.6E-9	-55.9	-13.0	-42.9
21126.430	1.5	92.0	Vert	AV	2.6E-9	-55.9	-13.0	-42.9
19602.330	1.5	328.0	Vert	AV	2.2E-9	-56.5	-13.0	-43.5
21397.790	1.5	237.0	Vert	AV	2.2E-9	-56.5	-13.0	-43.5
19877.300	1.5	299.0	Vert	AV	2.2E-9	-56.6	-13.0	-43.6
19324.180	1.5	320.0	Horz	AV	2.2E-9	-56.6	-13.0	-43.6
15677.720	3.4	115.0	Horz	AV	2.1E-9	-56.7	-13.0	-43.7

SPURIOUS RADIATED EMISSIONS

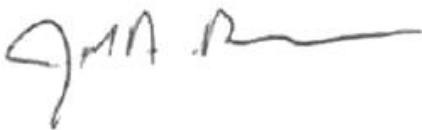
Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)
15678.580	1.5	171.0	Vert	AV	2.1E-9	-56.7	-13.0	-43.7
19262.220	1.5	319.0	Horz	AV	2.1E-9	-56.8	-13.0	-43.8
15899.310	1.5	324.0	Horz	AV	2.0E-9	-56.9	-13.0	-43.9
15902.870	1.5	284.0	Vert	AV	2.0E-9	-56.9	-13.0	-43.9
21678.310	1.5	269.0	Vert	AV	2.0E-9	-57.0	-13.0	-44.0
4223.558	1.5	204.0	Vert	AV	1.8E-9	-57.3	-13.0	-44.3
19510.080	1.5	26.0	Vert	AV	1.8E-9	-57.3	-13.0	-44.3
6420.342	1.5	321.0	Vert	AV	1.8E-9	-57.4	-13.0	-44.4
6421.692	1.5	49.0	Horz	AV	1.8E-9	-57.5	-13.0	-44.5
19326.350	1.5	291.0	Vert	AV	1.8E-9	-57.5	-13.0	-44.5
15461.580	1.5	149.0	Vert	AV	1.6E-9	-57.9	-13.0	-44.9
15460.580	1.5	145.0	Horz	AV	1.6E-9	-57.9	-13.0	-44.9
5963.292	1.5	60.0	Horz	AV	1.6E-9	-58.0	-13.0	-45.0
5961.008	1.5	215.0	Vert	AV	1.6E-9	-58.0	-13.0	-45.0
19012.410	1.5	261.0	Horz	AV	1.6E-9	-58.0	-13.0	-45.0
3975.275	1.9	4.0	Vert	AV	1.5E-9	-58.1	-13.0	-45.1
13718.620	1.5	62.0	Horz	AV	1.5E-9	-58.1	-13.0	-45.1
19261.800	1.5	247.0	Vert	AV	1.5E-9	-58.1	-13.0	-45.1
3865.225	1.5	39.0	Horz	AV	1.5E-9	-58.2	-13.0	-45.2
13720.630	1.5	246.0	Vert	AV	1.5E-9	-58.2	-13.0	-45.2
4278.583	2.0	174.0	Vert	AV	1.5E-9	-58.3	-13.0	-45.3
15173.870	1.5	146.0	Horz	AV	1.4E-9	-58.4	-13.0	-45.4
15175.280	1.5	143.0	Vert	AV	1.4E-9	-58.5	-13.0	-45.5
14980.050	1.5	10.0	Horz	AV	1.4E-9	-58.6	-13.0	-45.6
14978.380	2.8	59.0	Vert	AV	1.4E-9	-58.6	-13.0	-45.6
14788.180	1.1	69.0	Vert	AV	1.4E-9	-58.6	-13.0	-45.6
5799.500	1.5	130.0	Horz	AV	1.3E-9	-58.7	-13.0	-45.7
14785.210	1.7	246.0	Horz	AV	1.3E-9	-58.7	-13.0	-45.7
5798.667	1.5	89.0	Vert	AV	1.3E-9	-58.8	-13.0	-45.8
13914.040	1.5	47.0	Horz	AV	1.2E-9	-59.1	-13.0	-46.1
13910.770	1.5	173.0	Vert	AV	1.2E-9	-59.2	-13.0	-46.2
19012.890	1.5	73.0	Vert	AV	1.2E-9	-59.2	-13.0	-46.2
4335.717	1.5	313.0	Vert	AV	1.1E-9	-59.4	-13.0	-46.4
13528.130	1.5	352.0	Horz	AV	1.0E-9	-59.8	-13.0	-46.8
4280.475	1.5	177.0	Horz	AV	1.0E-9	-59.9	-13.0	-46.9
13524.600	1.5	126.0	Vert	AV	1.0E-9	-59.9	-13.0	-46.9
4224.858	1.5	65.0	Horz	AV	845.5E-12	-60.7	-13.0	-47.7
13004.510	1.5	45.0	Horz	AV	845.5E-12	-60.7	-13.0	-47.7
13005.340	1.5	298.0	Vert	AV	807.5E-12	-60.9	-13.0	-47.9
12673.940	2.4	360.0	Horz	AV	753.6E-12	-61.2	-13.0	-48.2
12674.040	1.5	226.0	Vert	AV	736.4E-12	-61.3	-13.0	-48.3

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)
12838.100	1.4	106.0	Horz	AV	719.6E-12	-61.4	-13.0	-48.4
12837.890	3.2	196.0	Vert	AV	703.3E-12	-61.5	-13.0	-48.5
4336.892	1.5	204.0	Horz	AV	585.0E-12	-62.3	-13.0	-49.3
8561.908	1.5	310.0	Vert	AV	464.6E-12	-63.3	-13.0	-50.3
8669.100	2.5	316.0	Vert	AV	267.4E-12	-65.7	-13.0	-52.7
8668.467	1.5	349.0	Horz	AV	249.5E-12	-66.0	-13.0	-53.0
10836.300	1.5	28.0	Vert	AV	249.5E-12	-66.0	-13.0	-53.0
8450.625	1.5	75.0	Vert	AV	238.3E-12	-66.2	-13.0	-53.2
10836.910	1.5	202.0	Horz	AV	238.3E-12	-66.2	-13.0	-53.2
8557.925	1.5	24.0	Horz	AV	232.9E-12	-66.3	-13.0	-53.3
10560.940	1.5	325.0	Vert	AV	232.9E-12	-66.3	-13.0	-53.3
9798.300	1.5	129.0	Vert	AV	227.6E-12	-66.4	-13.0	-53.4
8450.467	1.5	129.0	Horz	AV	227.6E-12	-66.4	-13.0	-53.4
9798.092	1.5	152.0	Horz	AV	222.4E-12	-66.5	-13.0	-53.5
10698.210	3.3	284.0	Vert	AV	222.4E-12	-66.5	-13.0	-53.5
10559.570	1.5	202.0	Horz	AV	222.4E-12	-66.5	-13.0	-53.5
11758.080	1.5	298.0	Vert	AV	217.3E-12	-66.6	-13.0	-53.6
10699.450	1.5	360.0	Horz	AV	217.3E-12	-66.6	-13.0	-53.6
11923.760	2.2	345.0	Vert	AV	207.5E-12	-66.8	-13.0	-53.8

CONCLUSION

Pass



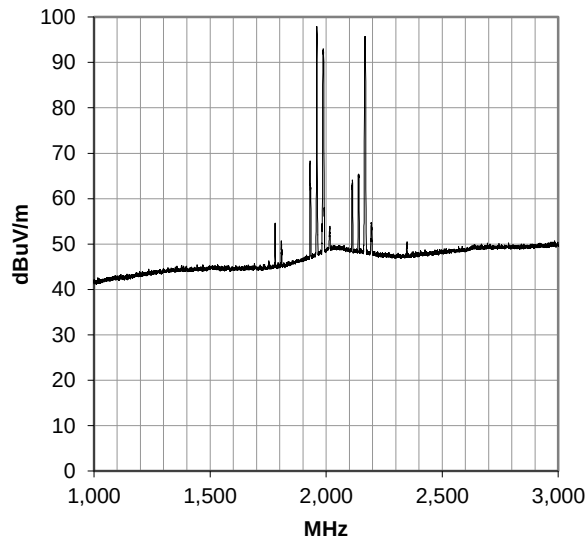
Tested By

SPURIOUS RADIATED EMISSIONS

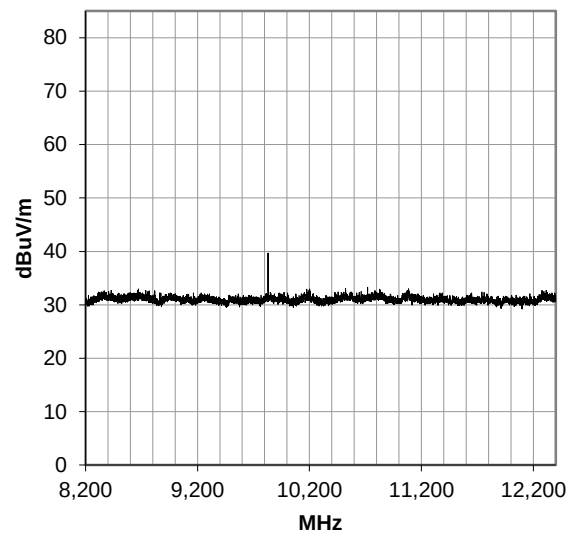
PRESCAN DATA

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.

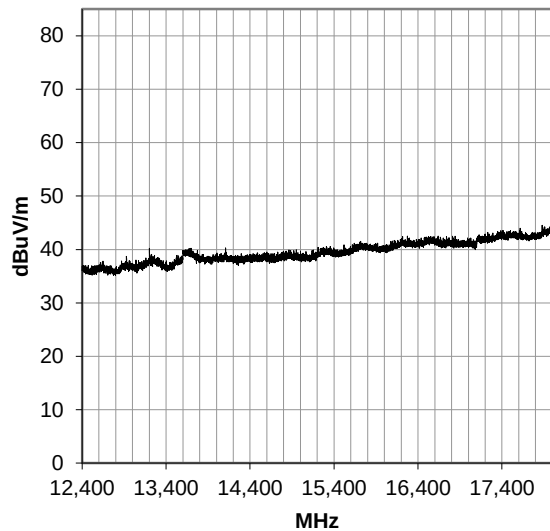
1000-3000 MHz, Run 12
Test Case 1



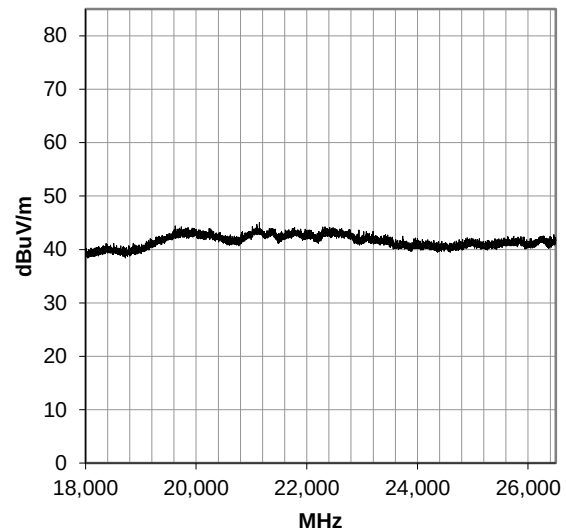
8200-12400 MHz, Run 11
Test Case 1



12400-18000 MHz, Run 10
Test Case 1

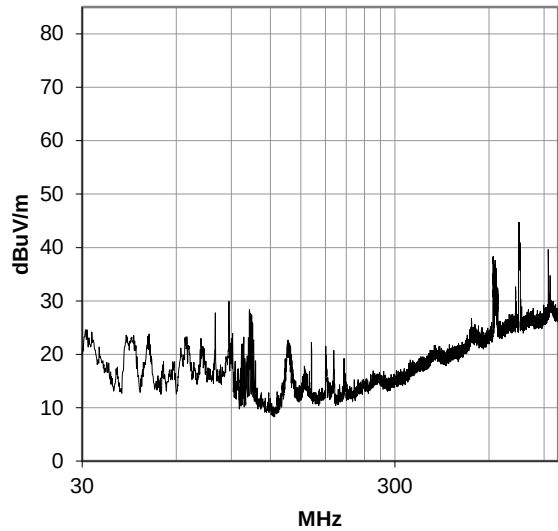


18000-26500 MHz, Run 9
Test Case 1

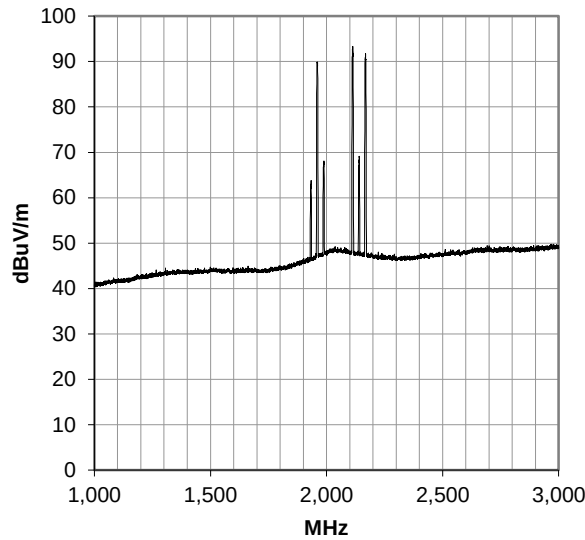


SPURIOUS RADIATED EMISSIONS

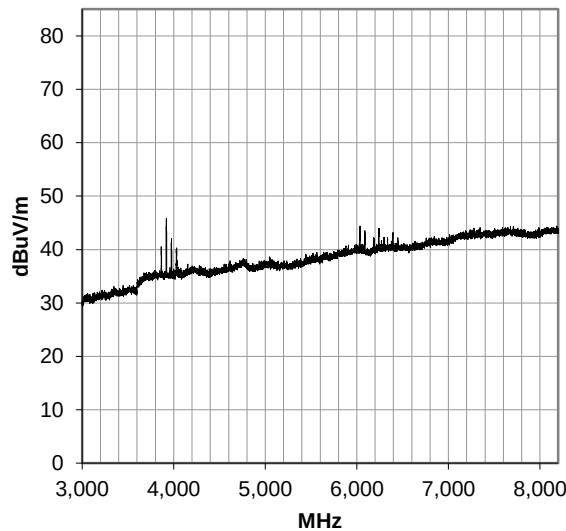
30-1000 MHz, Run 25
Test Case 1



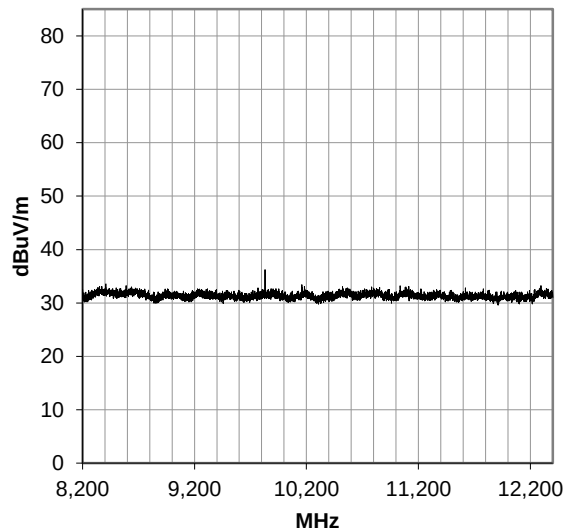
1000-3000 MHz, Run 4
Test Case 2



3000-8200 MHz, Run 5
Test Case 2

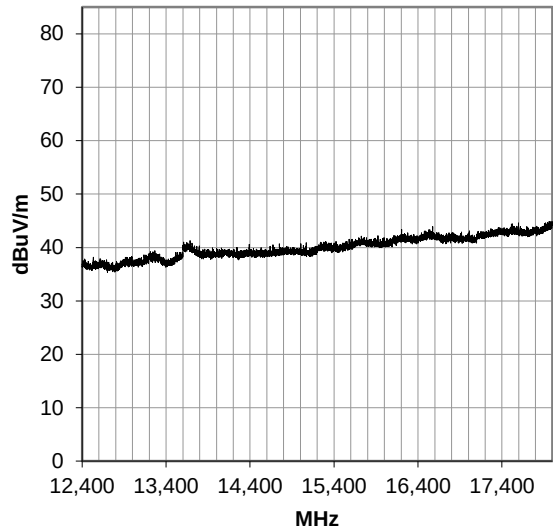


8200-12400 MHz, Run 6
Test Case 2

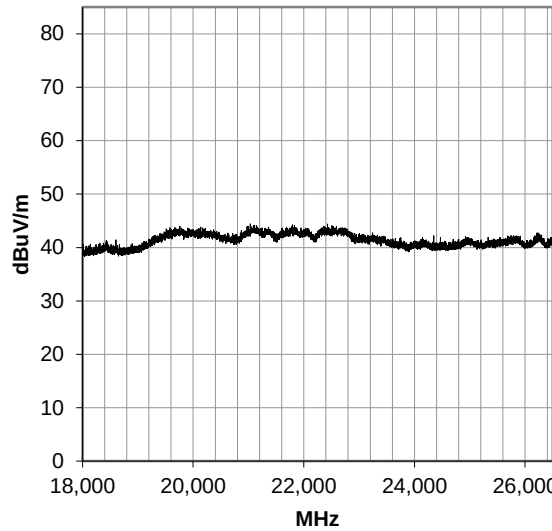


SPURIOUS RADIATED EMISSIONS

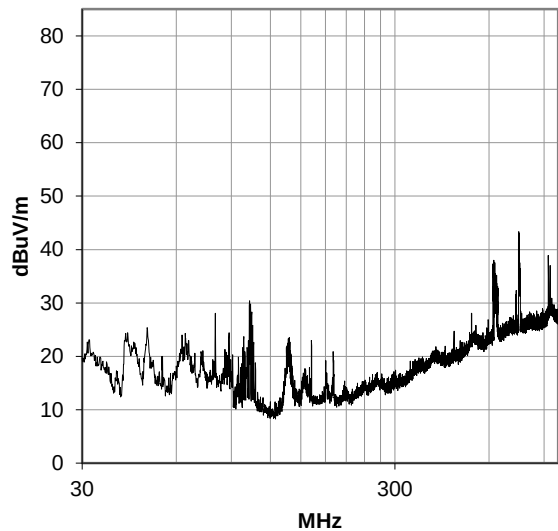
12400-18000 MHz, Run 7
Test Case 2



18000-26500 MHz, Run 8
Test Case 2



30-1000 MHz, Run 26
Test Case 2



End of Test Report