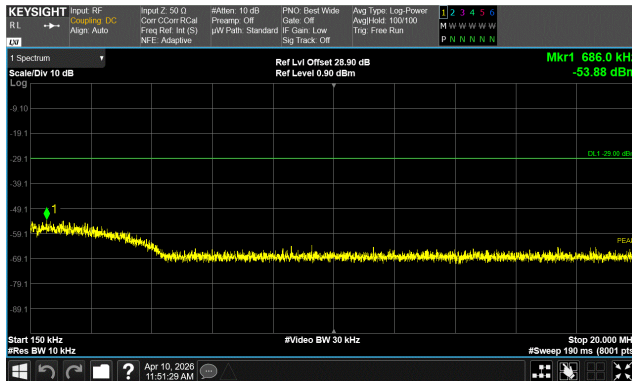
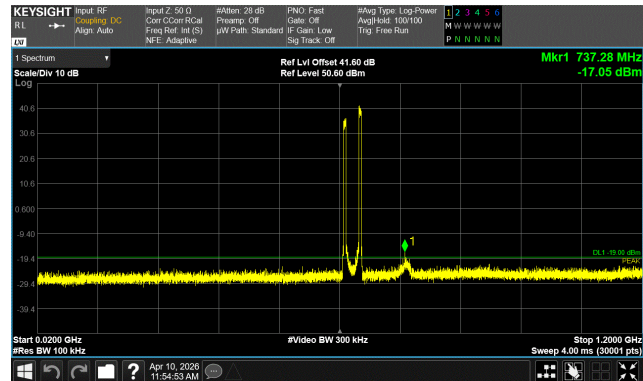


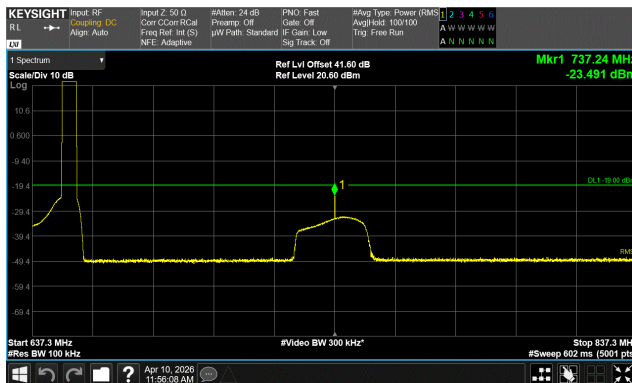
SPURIOUS CONDUCTED EMISSIONS - MULTICARRIER



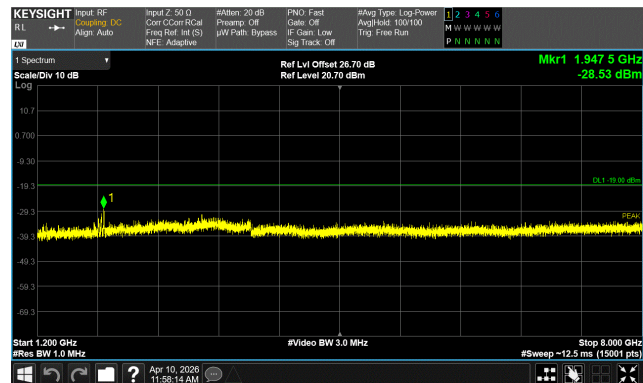
QPSK Modulation
Multicarrier Test Case 2, 5G-NR Band n71



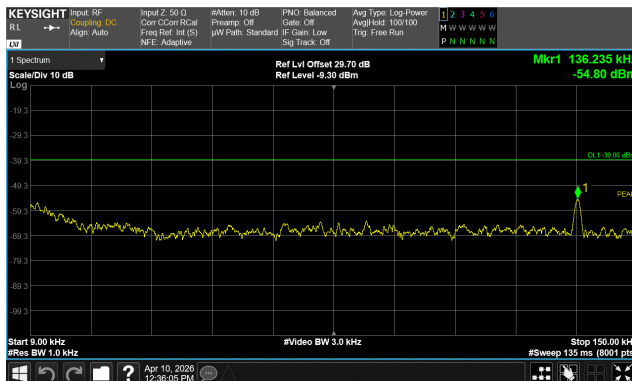
QPSK Modulation
Multicarrier Test Case 2, 5G-NR Band n71



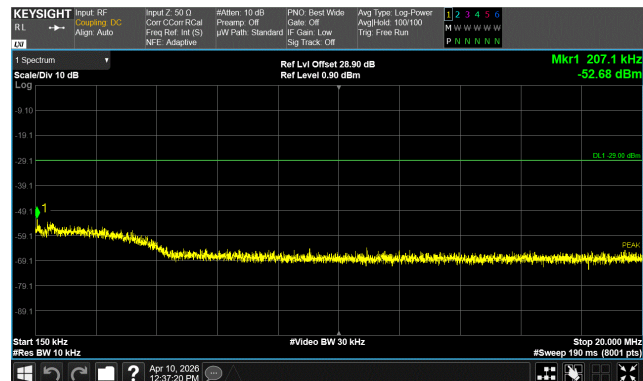
QPSK Modulation
Multicarrier Test Case 2, 5G-NR Band n71*



QPSK Modulation
Multicarrier Test Case 2, 5G-NR Band n71

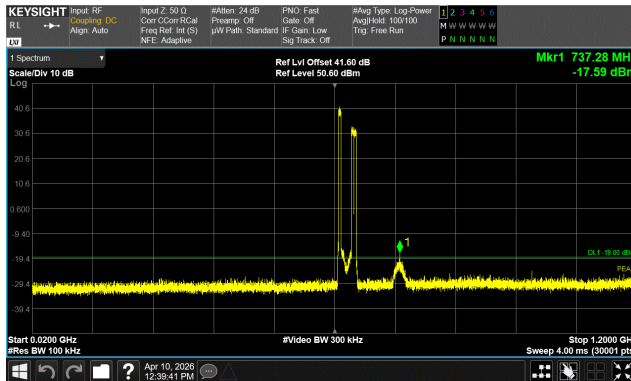


QPSK Modulation
Multicarrier Test Case 3, LTE Band 71

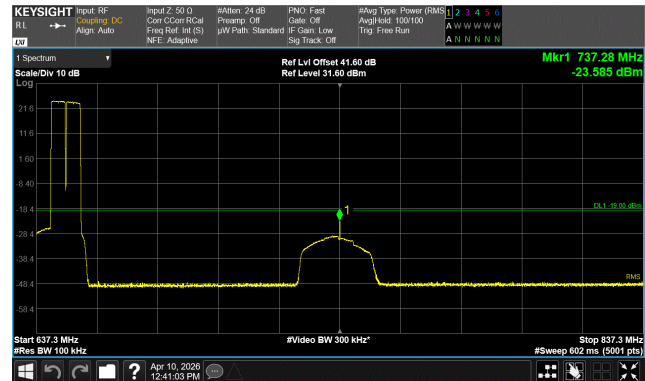


QPSK Modulation
Multicarrier Test Case 3, LTE Band 71

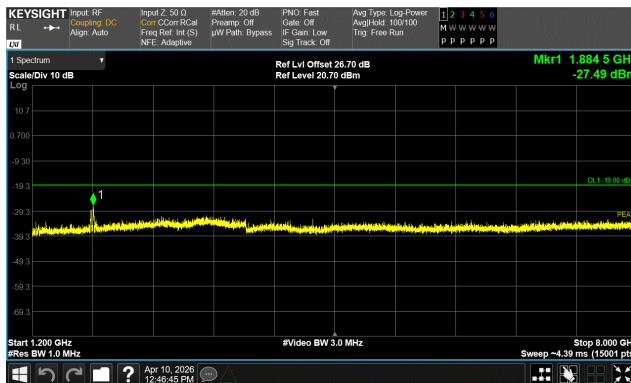
SPURIOUS CONDUCTED EMISSIONS - MULTICARRIER



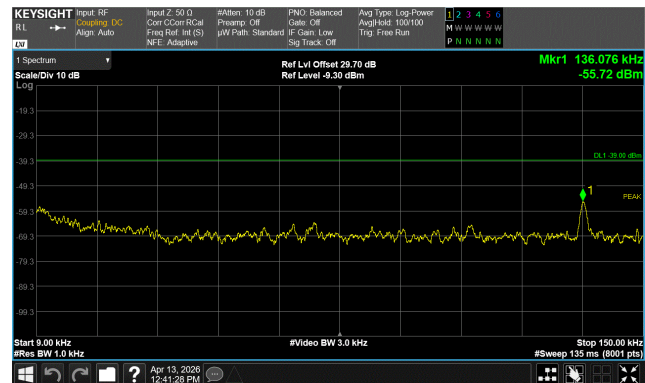
QPSK Modulation
Multicarrier Test Case 3, LTE Band 71



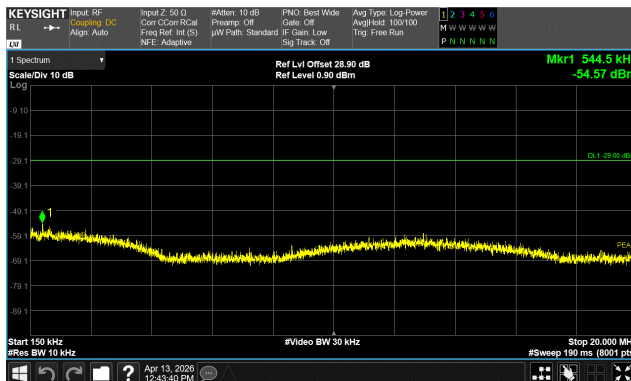
QPSK Modulation
Multicarrier Test Case 3, LTE Band 71*



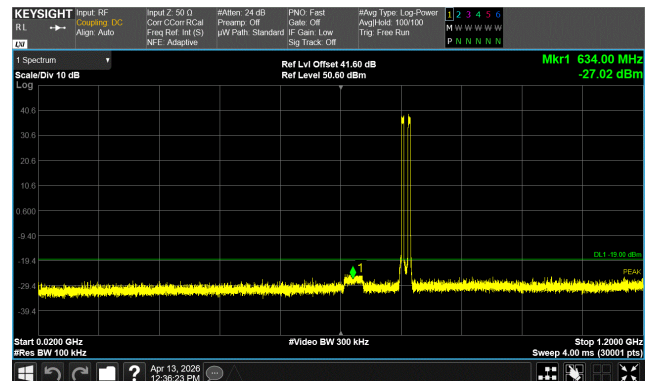
QPSK Modulation
Multicarrier Test Case 3, LTE Band 71



QPSK Modulation
Multicarrier Test Case 4, 5G-NR Band n85

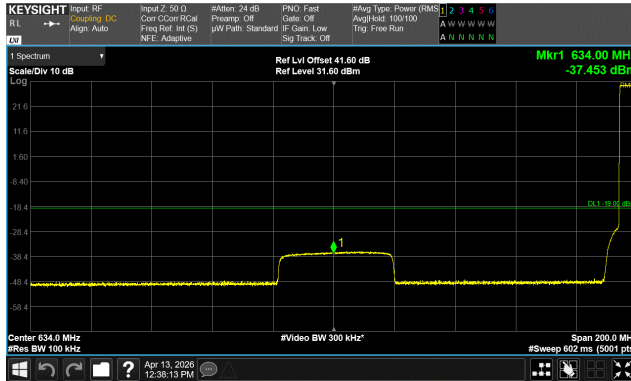


QPSK Modulation
Multicarrier Test Case 4, 5G-NR Band n85

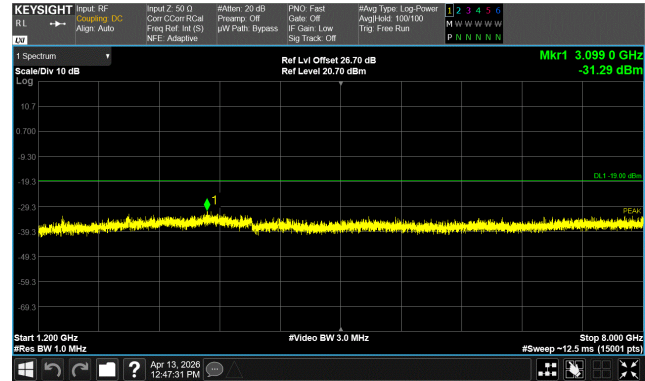


QPSK Modulation
Multicarrier Test Case 4, 5G-NR Band n85

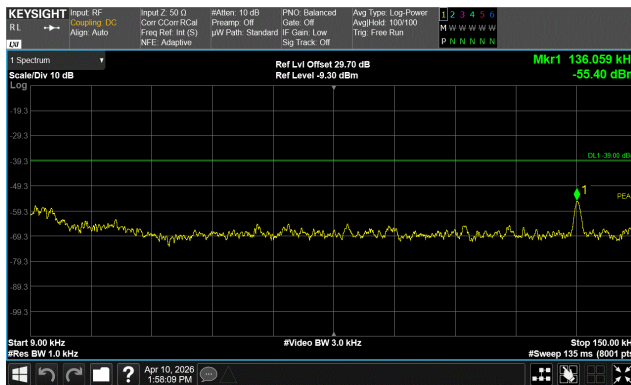
SPURIOUS CONDUCTED EMISSIONS - MULTICARRIER



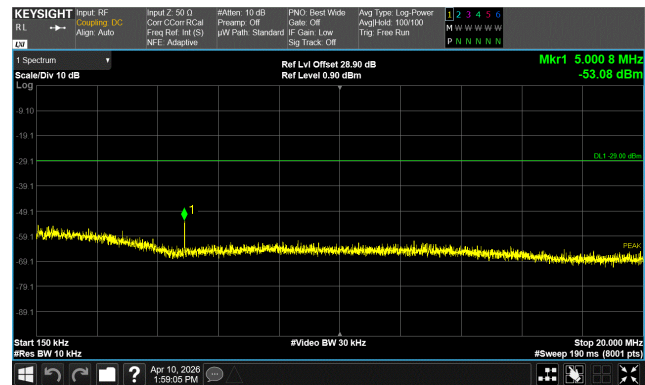
QPSK Modulation
Multicarrier Test Case 4, 5G-NR Band n85*



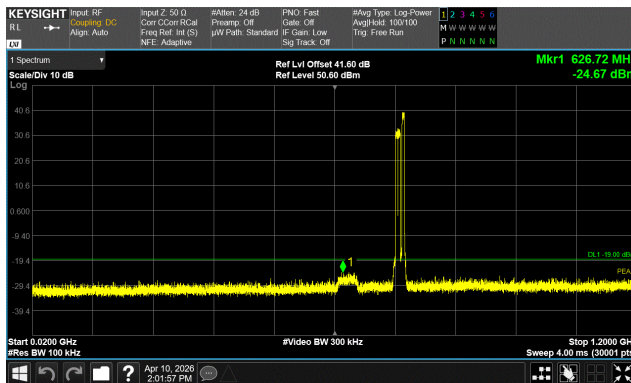
QPSK Modulation
Multicarrier Test Case 4, 5G-NR Band n85



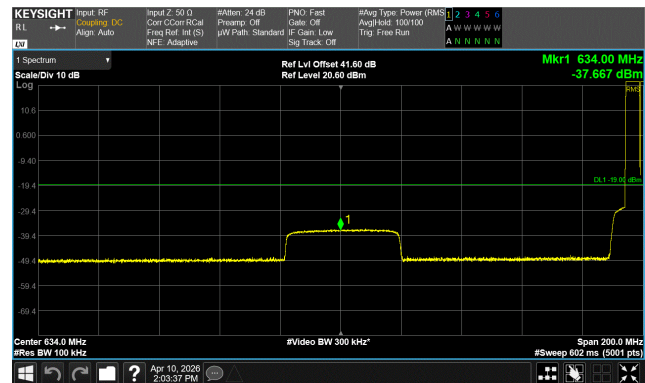
QPSK Modulation
Multicarrier Test Case 5, LTE Band 85



QPSK Modulation
Multicarrier Test Case 5, LTE Band 85

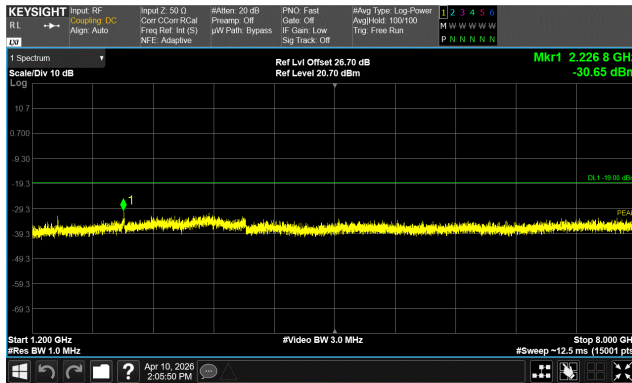


QPSK Modulation
Multicarrier Test Case 5, LTE Band 85

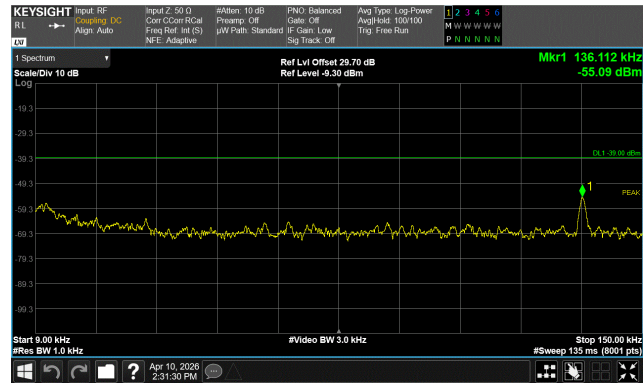


QPSK Modulation
Multicarrier Test Case 5, LTE Band 85*

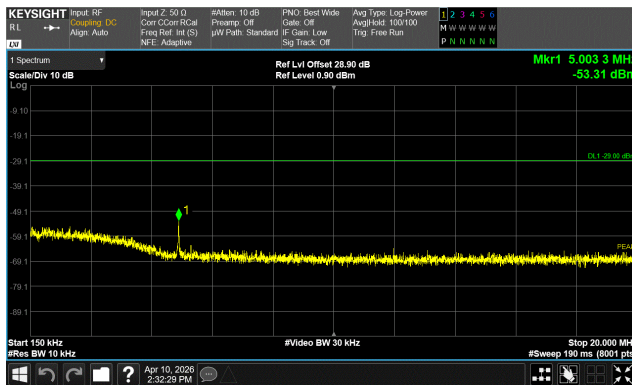
SPURIOUS CONDUCTED EMISSIONS - MULTICARRIER



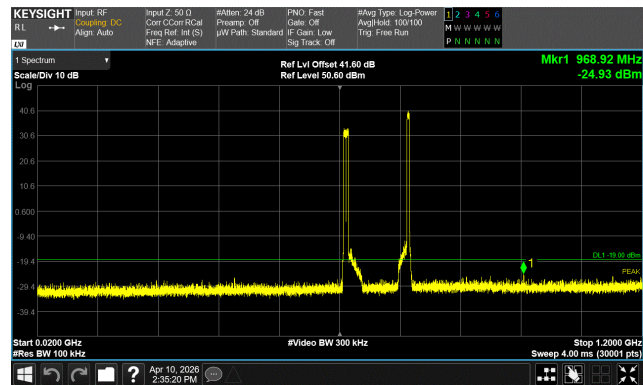
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Multicarrier Test Case 5, LTE Band 85



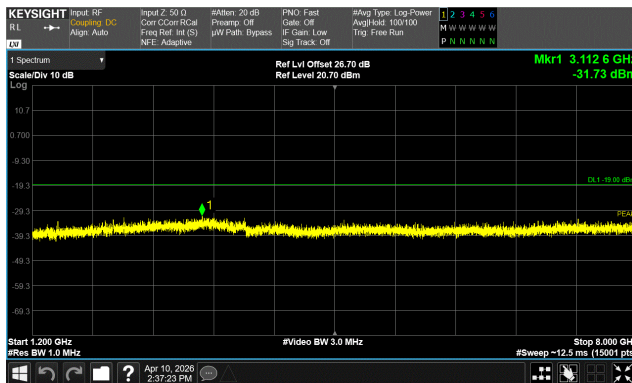
QPSK Modulation
Multicarrier Test Case 6, 5G-NR Band n71 and n85



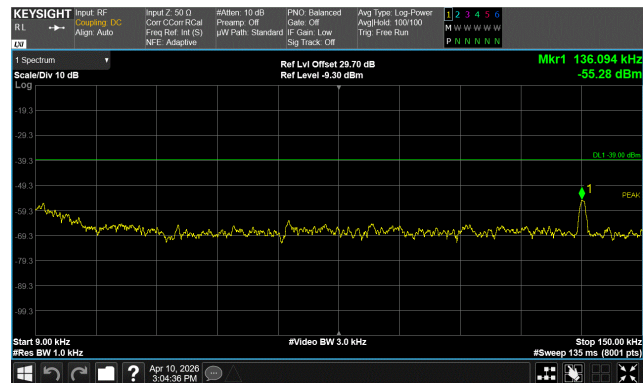
QPSK Modulation
Multicarrier Test Case 6, 5G-NR Band n71 and n85



QPSK Modulation
Multicarrier Test Case 6, 5G-NR Band n71 and n85

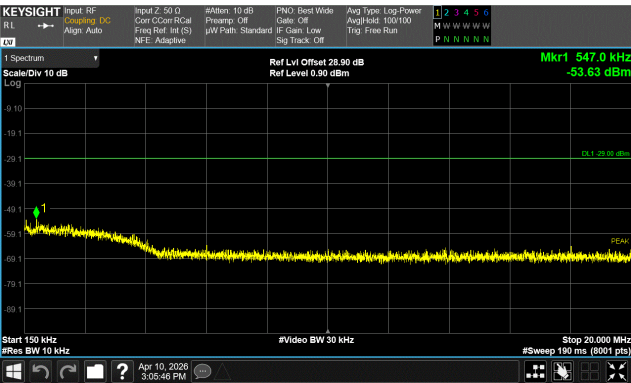


QPSK Modulation
Multicarrier Test Case 6, 5G-NR Band n71 and n85

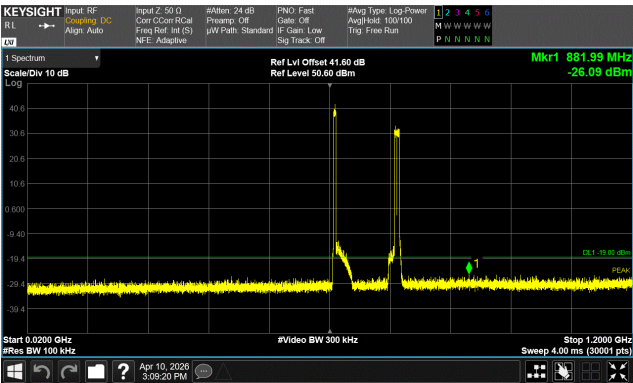


QPSK Modulation
Multicarrier Test Case 7, LTE Band 71 and 85

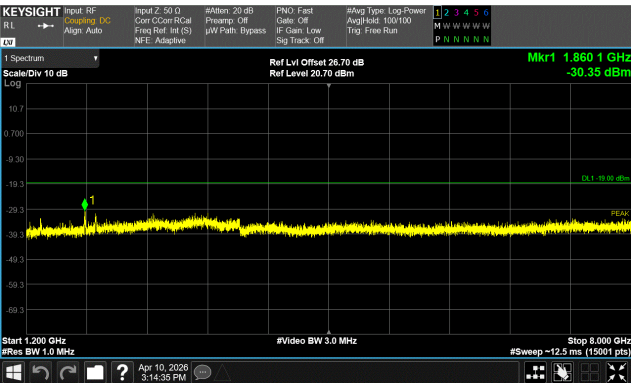
SPURIOUS CONDUCTED EMISSIONS - MULTICARRIER



QPSK Modulation
Multicarrier Test Case 7, LTE Band 71 and 85



QPSK Modulation
Multicarrier Test Case 7, LTE Band 71 and 85



QPSK Modulation
Multicarrier Test Case 7, LTE Band 71 and 85

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), and ISSED 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 7 GHz (652.0MHz * 10). The radiated emissions limits are defined in FCC 27.53(g) and ISSED RSS 130 4.7. The requirements for FCC measurements are detailed in KDB971168 D01v03r01.

Test Config	Tech/ Band	Channel Bandwidth	Position	Transmit Freq	Carrier Power per	
					Port	Radio
1	5G NR n71	NR5	Bch	619.5MHz	60W	320W
	5G NR n71	NR5	Tch	649.5MHz	20W	
2	LTE 85	LTE5	Bch	730.5MHz	20W	320W
	LTE 85	LTE5	Tch	743.5MHz	60W	
3	5G NR n71	NR5	Bch	619.5MHz	20W	320W
	5G NR n85	NR5	Tch	743.5MHz	60W	
4	LTE 71	LTE5	Bch	619.5MHz	60W	320W
	LTE 85	LTE5	Tch	743.5MHz	20W	
5	LTE 71	LTE5	Mch	634.5MHz	20W	320W
	LTE 85	LTE5	Mch	737.0MHz	60W	
6	5G NR n71	NR5	Mch	634.5MHz	60W	320W
	5G NR n85	NR5	Mch	737.0MHz	20W	

SPURIOUS RADIATED EMISSIONS

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFL	2025-04-14	2026-04-14
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	2026-02-02	2027-02-02
Attenuator	Weinschel Corp	4H-20	AWB	2026-02-02	2027-02-02
Filter - High Pass	Micro-Tronics	HPM50111	HGC	2026-02-02	2027-02-02
Antenna - Biconilog	ETS Lindgren	3143B	AYF	2025-06-16	2027-06-16
Cable	Element	None	TXO	2025-07-08	2026-07-08
Amplifier - Pre-Amplifier	Fairview Microwave	FMAM63001	PAS	2026-02-02	2027-02-02
Filter - High Pass	Micro-Tronics	HPM50108	HGD	2026-02-02	2027-02-02

FREQUENCY RANGE INVESTIGATED

30 MHz TO 8.2 GHz

POWER INVESTIGATED

54VDC

CONFIGURATIONS INVESTIGATED

NOKI0093-4

MODES INVESTIGATED

Radiated Test Case 1
Radiated Test Case 2
Radiated Test Case 3
Radiated Test Case 4
Radiated Test Case 5
Radiated Test Case 6

SPURIOUS RADIATED EMISSIONS



EUT:	Airscale Base Transceiver Station Remote Radio Head Model AHLOB	Work Order:	NOKI0093
Serial Number:	YK220900026	Date:	2026-04-06
Customer:	Nokia Solutions and Networks	Temperature:	22.8°C
Attendees:	Mitch Hill, David Le	Relative Humidity:	33.7%
Customer Project:	None	Bar. Pressure (PMSL):	1027 mb
Tested By:	Jarrold Brenden	Job Site:	PT01
Power:	54VDC	Configuration:	NOKI0093-4

TEST PARAMETERS

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

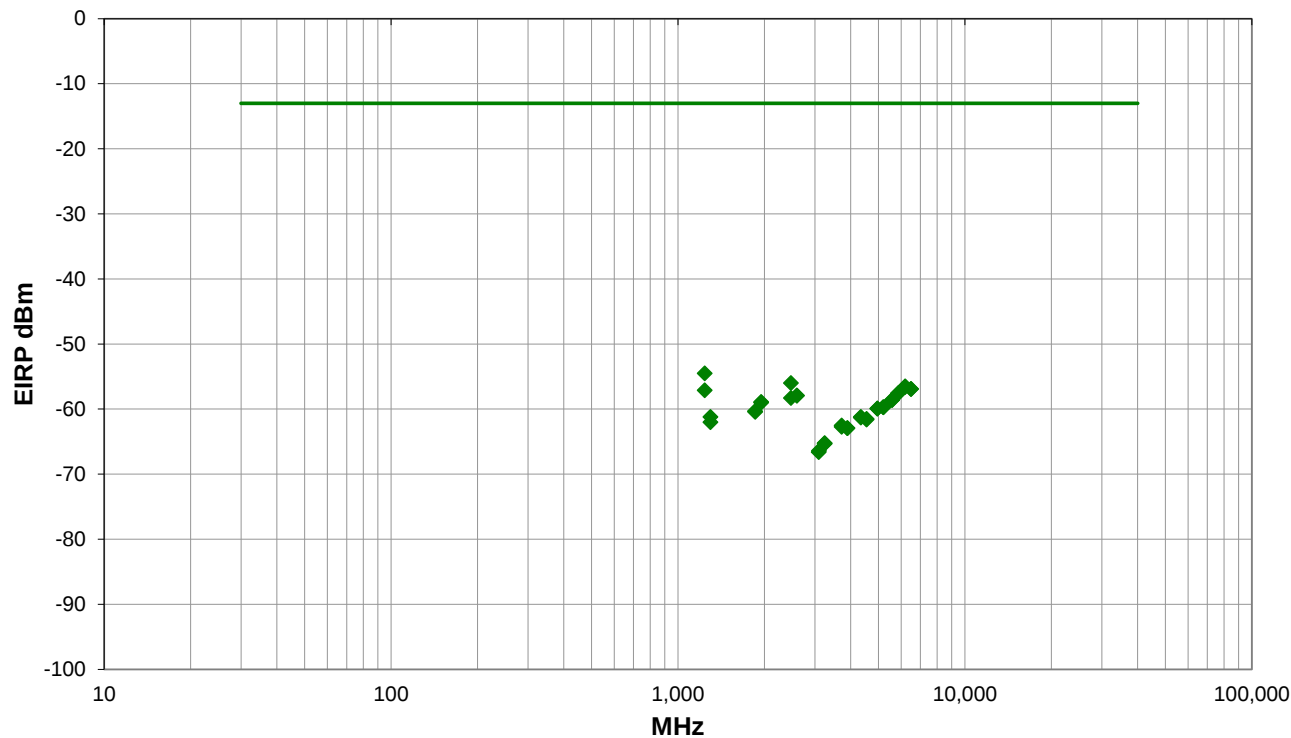
Considered a Pole Mounted radio with respect to testing orientation. Antenna ports were terminated to 50ohm loads.
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EUT OPERATING MODES

Radiated Test Case 1

DEVIATIONS FROM TEST STANDARD

None



Run #: 7

■ PK ◆ AV ● QP

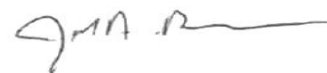
SPURIOUS RADIATED EMISSIONS

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)
1238.992	1.3	274.0	Horz	AV	3.5E-9	-54.5	-13.0	-41.5
2478.250	1.5	39.0	Horz	AV	2.5E-9	-56.0	-13.0	-43.0
6197.183	1.5	52.0	Vert	AV	2.2E-9	-56.5	-13.0	-43.5
6196.692	1.5	85.0	Horz	AV	2.2E-9	-56.6	-13.0	-43.6
6495.767	1.5	341.0	Horz	AV	2.0E-9	-56.9	-13.0	-43.9
6493.417	1.8	76.0	Vert	AV	2.0E-9	-56.9	-13.0	-43.9
1239.267	1.2	318.0	Vert	AV	1.9E-9	-57.1	-13.0	-44.1
5847.525	1.5	323.0	Horz	AV	1.7E-9	-57.6	-13.0	-44.6
5844.108	1.5	221.0	Vert	AV	1.7E-9	-57.6	-13.0	-44.6
2596.992	1.5	113.0	Horz	AV	1.6E-9	-57.9	-13.0	-44.9
2597.700	1.5	85.0	Vert	AV	1.6E-9	-57.9	-13.0	-44.9
2477.867	1.5	147.0	Vert	AV	1.5E-9	-58.3	-13.0	-45.3
5576.542	1.6	227.0	Horz	AV	1.4E-9	-58.6	-13.0	-45.6
5576.858	1.5	72.0	Vert	AV	1.4E-9	-58.6	-13.0	-45.6
1949.967	1.5	49.0	Horz	AV	1.3E-9	-58.9	-13.0	-45.9
1950.375	1.5	129.0	Vert	AV	1.3E-9	-59.0	-13.0	-46.0
5197.467	1.5	85.0	Horz	AV	1.1E-9	-59.7	-13.0	-46.7
5198.475	1.5	303.0	Vert	AV	1.1E-9	-59.7	-13.0	-46.7
4954.692	1.5	120.0	Horz	AV	1.0E-9	-59.9	-13.0	-46.9
4953.900	1.5	143.0	Vert	AV	1.0E-9	-59.9	-13.0	-46.9
1856.150	1.5	138.0	Vert	AV	927.1E-12	-60.3	-13.0	-47.3
1858.250	1.5	264.0	Horz	AV	906.0E-12	-60.4	-13.0	-47.4
1298.792	1.6	295.0	Vert	AV	753.6E-12	-61.2	-13.0	-48.2
4338.800	1.5	56.0	Horz	AV	753.6E-12	-61.2	-13.0	-48.2
4338.583	1.3	102.0	Vert	AV	736.4E-12	-61.3	-13.0	-48.3
4547.992	1.5	31.0	Vert	AV	703.3E-12	-61.5	-13.0	-48.5
4548.017	2.4	51.0	Horz	AV	687.3E-12	-61.6	-13.0	-48.6
1298.250	1.5	63.0	Horz	AV	626.8E-12	-62.0	-13.0	-49.0
3719.308	1.5	326.0	Horz	AV	558.6E-12	-62.5	-13.0	-49.5
3718.717	1.5	360.0	Vert	AV	533.5E-12	-62.7	-13.0	-49.7
3894.667	1.5	304.0	Horz	AV	509.5E-12	-62.9	-13.0	-49.9
3898.708	3.9	331.0	Vert	AV	509.5E-12	-62.9	-13.0	-49.9
3246.133	1.5	295.0	Horz	AV	300.0E-12	-65.2	-13.0	-52.2
3245.008	1.5	3.0	Vert	AV	293.2E-12	-65.3	-13.0	-52.3
3099.167	1.5	267.0	Vert	AV	227.6E-12	-66.4	-13.0	-53.4
3096.708	1.5	123.0	Horz	AV	217.3E-12	-66.6	-13.0	-53.6

CONCLUSION

Pass



Tested By

SPURIOUS RADIATED EMISSIONS

EUT:	Airscale Base Transceiver Station Remote Radio Head Model AHLOB	Work Order:	NOKI0093
Serial Number:	YK220900026	Date:	2026-04-06
Customer:	Nokia Solutions and Networks	Temperature:	22.8°C
Attendees:	Mitch Hill, David Le	Relative Humidity:	33.7%
Customer Project:	None	Bar. Pressure (PMSL):	1027 mb
Tested By:	Jarrod Brenden	Job Site:	PT01
Power:	54VDC	Configuration:	NOKI0093-4

TEST PARAMETERS

Run #:	9	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

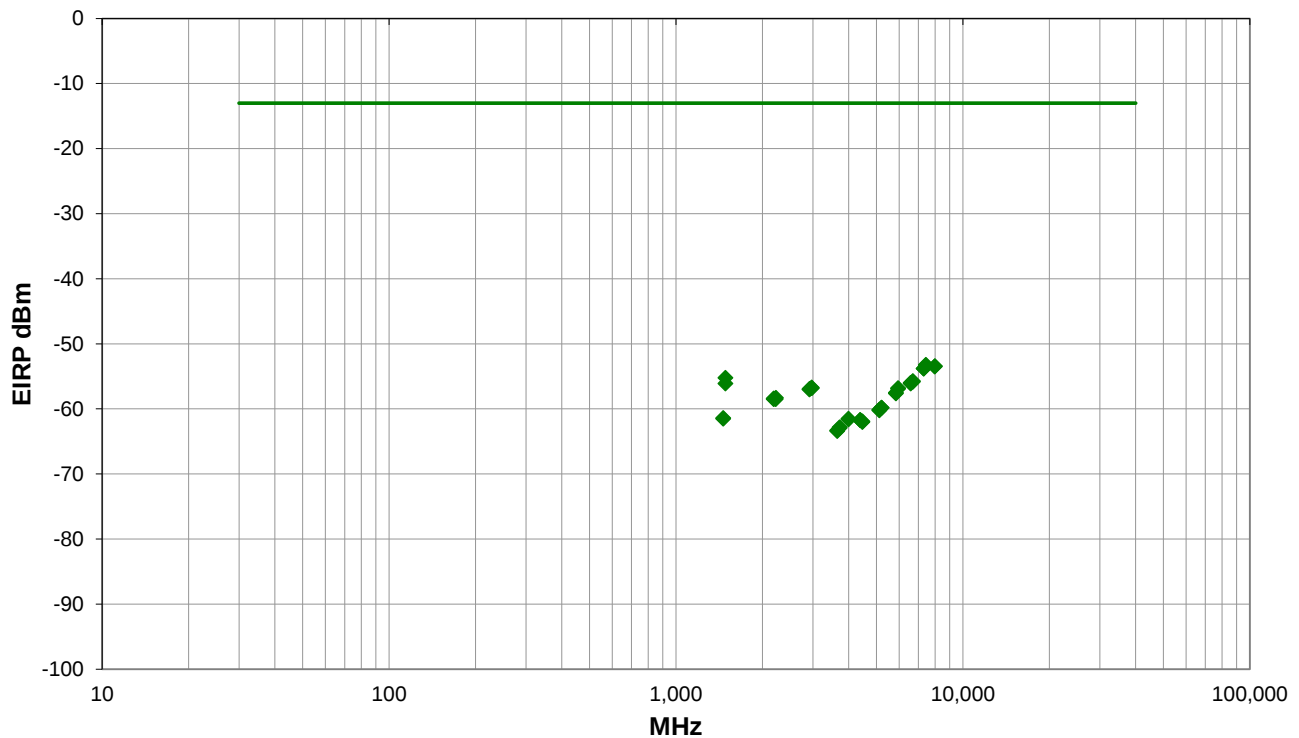
Considered a Pole Mounted radio with respect to testing orientation. Antenna ports were terminated to 50ohm loads.

EUT OPERATING MODES

Radiated Test Case 2

DEVIATIONS FROM TEST STANDARD

None



Run #: 9

■ PK ◆ AV ● QP

SPURIOUS RADIATED EMISSIONS

RESULTS - Run #9

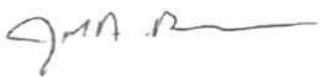
Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)
7434.883	1.5	152.0	Horz	AV	4.8E-9	-53.2	-13.0	-40.2
7435.575	1.5	340.0	Vert	AV	4.6E-9	-53.3	-13.0	-40.3
7987.883	1.5	349.0	Horz	AV	4.5E-9	-53.4	-13.0	-40.4
7986.733	1.5	267.0	Vert	AV	4.4E-9	-53.5	-13.0	-40.5
7304.250	2.0	247.0	Horz	AV	4.1E-9	-53.8	-13.0	-40.8
7304.625	1.5	29.0	Vert	AV	4.1E-9	-53.8	-13.0	-40.8
1487.033	3.0	346.0	Vert	AV	3.0E-9	-55.2	-13.0	-42.2
6693.992	1.5	6.0	Vert	AV	2.7E-9	-55.7	-13.0	-42.7
6693.575	1.5	328.0	Horz	AV	2.6E-9	-55.8	-13.0	-42.8
6576.400	1.5	193.0	Vert	AV	2.5E-9	-56.0	-13.0	-43.0
1487.133	1.0	53.0	Horz	AV	2.4E-9	-56.1	-13.0	-43.1
6576.733	1.5	97.0	Horz	AV	2.4E-9	-56.1	-13.0	-43.1
2972.633	1.9	275.0	Vert	AV	2.1E-9	-56.7	-13.0	-43.7
2976.008	1.5	165.0	Horz	AV	2.1E-9	-56.8	-13.0	-43.8
5950.450	1.5	247.0	Horz	AV	2.1E-9	-56.8	-13.0	-43.8
2923.633	1.5	70.0	Horz	AV	2.0E-9	-56.9	-13.0	-43.9
5948.658	1.5	62.0	Vert	AV	2.0E-9	-56.9	-13.0	-43.9
2919.817	1.5	62.0	Vert	AV	2.0E-9	-57.0	-13.0	-44.0
5844.542	4.0	170.0	Vert	AV	1.8E-9	-57.5	-13.0	-44.5
5841.525	1.5	0.0	Horz	AV	1.7E-9	-57.6	-13.0	-44.6
2230.300	1.5	325.0	Horz	AV	1.5E-9	-58.3	-13.0	-45.3
2193.392	1.5	360.0	Vert	AV	1.4E-9	-58.4	-13.0	-45.4
2193.658	3.7	350.0	Horz	AV	1.4E-9	-58.5	-13.0	-45.5
2229.117	4.0	164.0	Vert	AV	1.4E-9	-58.5	-13.0	-45.5
5206.833	3.2	80.0	Horz	AV	1.0E-9	-59.8	-13.0	-46.8
5205.458	1.5	42.0	Vert	AV	1.0E-9	-59.8	-13.0	-46.8
5115.658	1.7	54.0	Vert	AV	970.8E-12	-60.1	-13.0	-47.1
5115.908	1.5	231.0	Horz	AV	948.7E-12	-60.2	-13.0	-47.2
1460.767	1.5	342.0	Horz	AV	719.6E-12	-61.4	-13.0	-48.4
1461.817	1.5	222.0	Vert	AV	703.3E-12	-61.5	-13.0	-48.5
3995.000	2.2	0.0	Horz	AV	703.3E-12	-61.5	-13.0	-48.5
3996.175	1.5	256.0	Vert	AV	687.3E-12	-61.6	-13.0	-48.6
4385.433	1.5	297.0	Horz	AV	671.6E-12	-61.7	-13.0	-48.7
4385.417	1.5	272.0	Vert	AV	671.6E-12	-61.7	-13.0	-48.7
4463.342	1.5	226.0	Horz	AV	641.4E-12	-61.9	-13.0	-48.9
4463.242	1.5	100.0	Vert	AV	626.8E-12	-62.0	-13.0	-49.0
3719.783	1.5	229.0	Horz	AV	521.3E-12	-62.8	-13.0	-49.8
3719.642	1.5	282.0	Vert	AV	509.5E-12	-62.9	-13.0	-49.9
3650.250	1.5	89.0	Horz	AV	464.6E-12	-63.3	-13.0	-50.3

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)
3650.783	1.5	337.0	Vert	AV	454.1E-12	-63.4	-13.0	-50.4

CONCLUSION

Pass



Tested By

SPURIOUS RADIATED EMISSIONS

EUT:	Airscale Base Transceiver Station Remote Radio Head Model AHLOB	Work Order:	NOKI0093
Serial Number:	YK220900026	Date:	2026-04-06
Customer:	Nokia Solutions and Networks	Temperature:	22.8°C
Attendees:	Mitch Hill, David Le	Relative Humidity:	33.7%
Customer Project:	None	Bar. Pressure (PMSL):	1027 mb
Tested By:	Jarrold Brenden	Job Site:	PT01
Power:	54VDC	Configuration:	NOKI0093-4

TEST PARAMETERS

Run #:	11	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

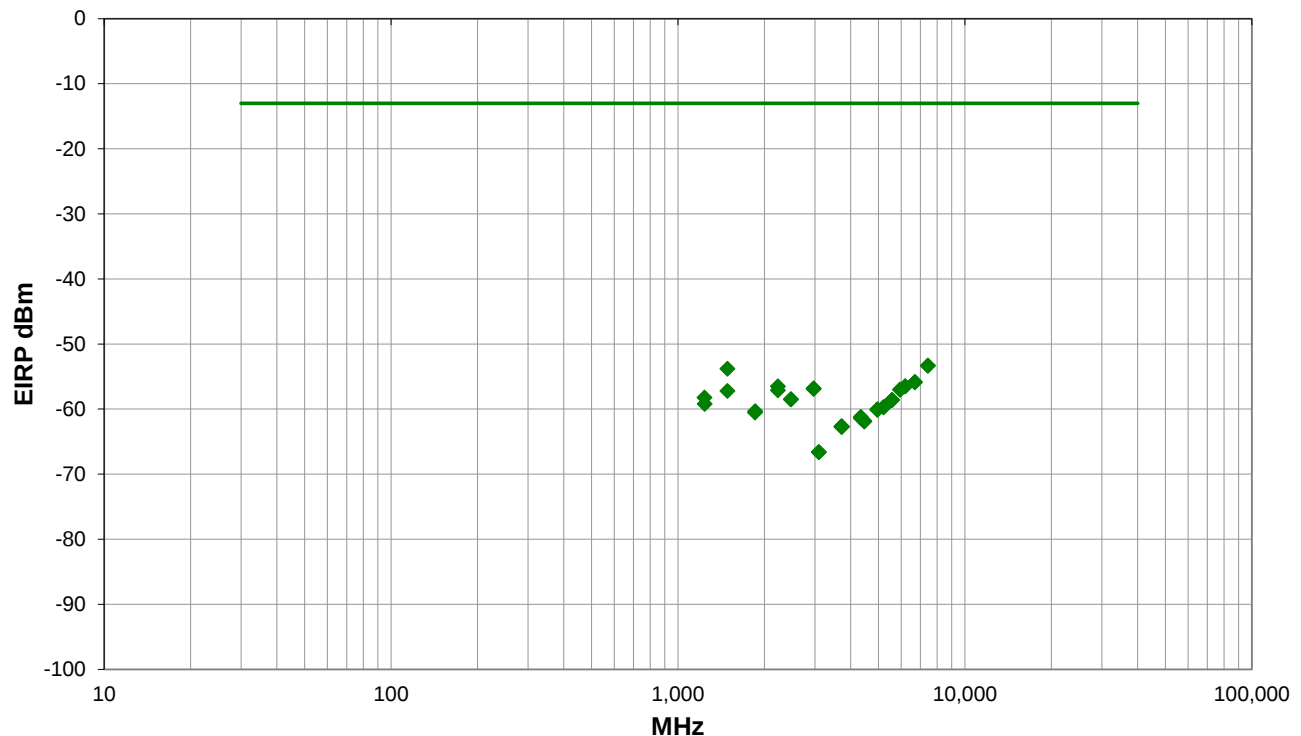
Considered a Pole Mounted radio with respect to testing orientation. Antenna ports were terminated to 50ohm loads.

EUT OPERATING MODES

Radiated Test Case 3

DEVIATIONS FROM TEST STANDARD

None



Run #: 11

■ PK ◆ AV ● QP

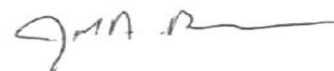
SPURIOUS RADIATED EMISSIONS

RESULTS - Run #11

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)
7434.142	1.5	225.0	Horz	AV	4.6E-9	-53.3	-13.0	-40.3
7437.442	1.5	360.0	Vert	AV	4.6E-9	-53.3	-13.0	-40.3
1486.775	2.8	328.0	Horz	AV	4.1E-9	-53.8	-13.0	-40.8
6693.600	3.6	352.0	Vert	AV	2.6E-9	-55.8	-13.0	-42.8
6693.775	3.9	78.0	Horz	AV	2.6E-9	-55.9	-13.0	-42.9
2231.208	1.7	328.0	Vert	AV	2.2E-9	-56.5	-13.0	-43.5
6197.467	1.5	360.0	Horz	AV	2.2E-9	-56.5	-13.0	-43.5
6196.900	1.5	291.0	Vert	AV	2.2E-9	-56.5	-13.0	-43.5
2972.233	1.5	293.0	Horz	AV	2.1E-9	-56.8	-13.0	-43.8
2975.075	1.5	245.0	Vert	AV	2.0E-9	-56.9	-13.0	-43.9
5949.658	1.6	258.0	Horz	AV	2.0E-9	-57.0	-13.0	-44.0
5950.392	1.5	285.0	Vert	AV	2.0E-9	-57.0	-13.0	-44.0
2231.233	2.3	25.0	Horz	AV	1.9E-9	-57.1	-13.0	-44.1
1486.992	1.4	291.0	Vert	AV	1.9E-9	-57.2	-13.0	-44.2
1238.483	1.5	278.0	Horz	AV	1.5E-9	-58.2	-13.0	-45.2
2476.542	1.5	186.0	Horz	AV	1.4E-9	-58.5	-13.0	-45.5
2477.175	2.1	340.0	Vert	AV	1.4E-9	-58.5	-13.0	-45.5
5576.683	1.5	220.0	Horz	AV	1.4E-9	-58.6	-13.0	-45.6
5576.933	1.5	167.0	Vert	AV	1.4E-9	-58.6	-13.0	-45.6
1239.000	2.8	360.0	Vert	AV	1.2E-9	-59.2	-13.0	-46.2
5205.233	1.9	218.0	Horz	AV	1.1E-9	-59.7	-13.0	-46.7
5206.975	1.5	22.0	Vert	AV	1.1E-9	-59.7	-13.0	-46.7
4955.275	1.5	0.0	Vert	AV	993.4E-12	-60.0	-13.0	-47.0
4953.525	1.5	20.0	Horz	AV	970.8E-12	-60.1	-13.0	-47.1
1858.358	1.5	33.0	Vert	AV	927.1E-12	-60.3	-13.0	-47.3
1856.242	1.5	4.0	Horz	AV	885.4E-12	-60.5	-13.0	-47.5
4338.408	1.5	330.0	Horz	AV	753.6E-12	-61.2	-13.0	-48.2
4338.267	1.5	173.0	Vert	AV	719.6E-12	-61.4	-13.0	-48.4
4461.383	1.5	154.0	Vert	AV	656.3E-12	-61.8	-13.0	-48.8
4462.150	1.5	219.0	Horz	AV	641.4E-12	-61.9	-13.0	-48.9
3719.267	1.5	0.0	Horz	AV	545.9E-12	-62.6	-13.0	-49.6
3718.733	1.5	22.0	Vert	AV	533.5E-12	-62.7	-13.0	-49.7
3719.758	1.5	184.0	Horz	AV	533.5E-12	-62.7	-13.0	-49.7
3719.742	2.4	306.0	Vert	AV	533.5E-12	-62.7	-13.0	-49.7
3099.542	1.5	213.0	Horz	AV	217.3E-12	-66.6	-13.0	-53.6
3095.917	1.5	293.0	Vert	AV	217.3E-12	-66.6	-13.0	-53.6

CONCLUSION

Pass



Tested By

SPURIOUS RADIATED EMISSIONS

EUT:	Airscale Base Transceiver Station Remote Radio Head Model AHLOB	Work Order:	NOKI0093
Serial Number:	YK220900026	Date:	2026-04-06
Customer:	Nokia Solutions and Networks	Temperature:	22.8°C
Attendees:	Mitch Hill, David Le	Relative Humidity:	33.7%
Customer Project:	None	Bar. Pressure (PMSL):	1027 mb
Tested By:	Jarrold Brenden	Job Site:	PT01
Power:	54VDC	Configuration:	NOKI0093-4

TEST PARAMETERS

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

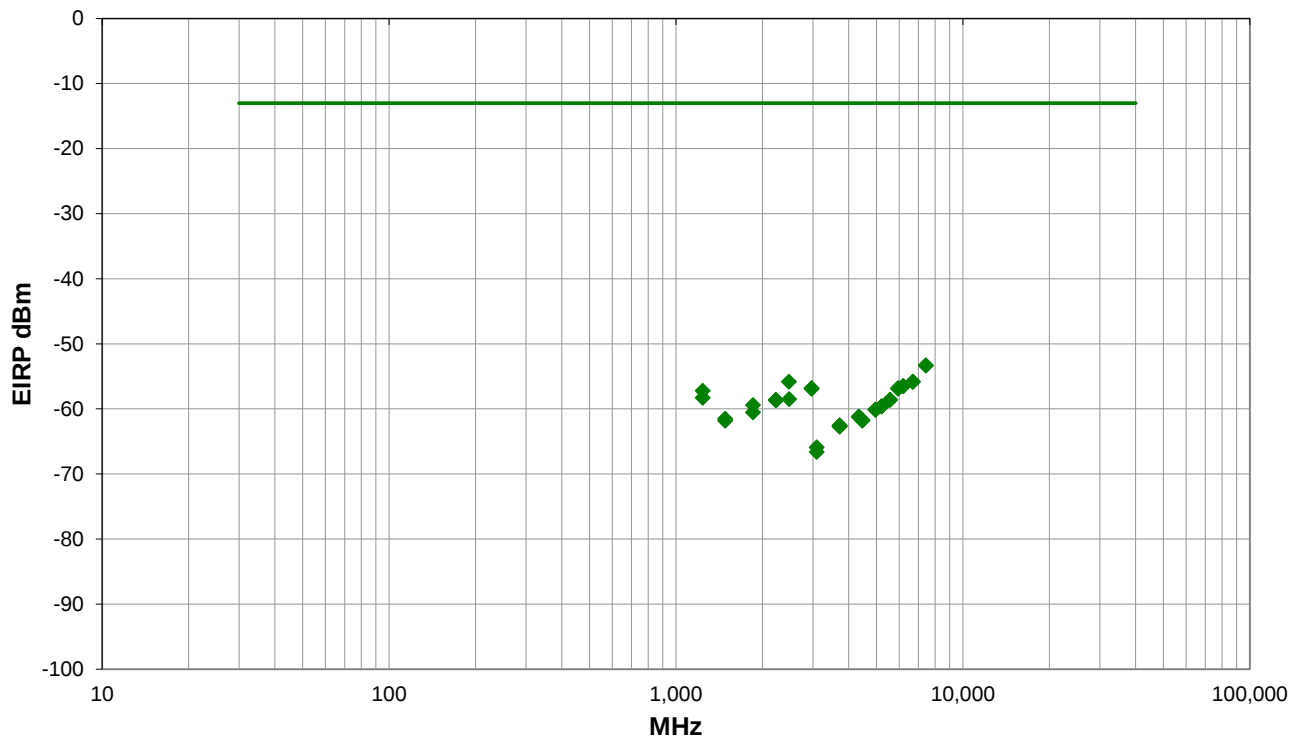
Considered a Pole Mounted radio with respect to testing orientation. Antenna ports were terminated to 50ohm loads.

EUT OPERATING MODES

Radiated Test Case 4

DEVIATIONS FROM TEST STANDARD

None



Run #: 13

■ PK ◆ AV ● QP

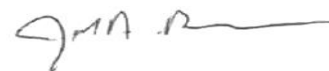
SPURIOUS RADIATED EMISSIONS

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)
7436.025	2.1	262.0	Horz	AV	4.6E-9	-53.3	-13.0	-40.3
7433.517	1.5	246.0	Vert	AV	4.6E-9	-53.3	-13.0	-40.3
2478.667	1.5	52.0	Horz	AV	2.6E-9	-55.8	-13.0	-42.8
6692.400	1.5	341.0	Horz	AV	2.6E-9	-55.8	-13.0	-42.8
6692.950	1.5	66.0	Vert	AV	2.6E-9	-55.8	-13.0	-42.8
6196.833	1.5	182.0	Horz	AV	2.2E-9	-56.5	-13.0	-43.5
6197.342	3.6	96.0	Vert	AV	2.2E-9	-56.5	-13.0	-43.5
2974.808	1.5	45.0	Horz	AV	2.1E-9	-56.8	-13.0	-43.8
5950.325	1.5	17.0	Vert	AV	2.1E-9	-56.8	-13.0	-43.8
2971.900	1.5	143.0	Vert	AV	2.0E-9	-56.9	-13.0	-43.9
5949.942	1.5	334.0	Horz	AV	2.0E-9	-56.9	-13.0	-43.9
1239.217	1.5	340.0	Horz	AV	1.9E-9	-57.2	-13.0	-44.2
1239.342	2.9	1.0	Vert	AV	1.5E-9	-58.3	-13.0	-45.3
2480.325	1.5	298.0	Vert	AV	1.4E-9	-58.5	-13.0	-45.5
2233.000	1.5	131.0	Horz	AV	1.4E-9	-58.6	-13.0	-45.6
5577.767	1.5	234.0	Horz	AV	1.4E-9	-58.6	-13.0	-45.6
5576.608	1.5	86.0	Vert	AV	1.4E-9	-58.6	-13.0	-45.6
2231.458	1.5	122.0	Vert	AV	1.3E-9	-58.7	-13.0	-45.7
1857.733	1.5	313.0	Vert	AV	1.1E-9	-59.4	-13.0	-46.4
5206.883	1.1	265.0	Horz	AV	1.1E-9	-59.6	-13.0	-46.6
5206.592	1.5	288.0	Vert	AV	1.1E-9	-59.6	-13.0	-46.6
4955.058	1.5	335.0	Horz	AV	970.8E-12	-60.1	-13.0	-47.1
4956.750	1.5	324.0	Vert	AV	970.8E-12	-60.1	-13.0	-47.1
1857.483	1.5	187.0	Horz	AV	885.4E-12	-60.5	-13.0	-47.5
4338.683	1.5	322.0	Horz	AV	753.6E-12	-61.2	-13.0	-48.2
4338.717	1.0	77.0	Vert	AV	753.6E-12	-61.2	-13.0	-48.2
1486.442	1.5	355.0	Horz	AV	703.3E-12	-61.5	-13.0	-48.5
4462.950	1.5	0.0	Vert	AV	671.6E-12	-61.7	-13.0	-48.7
1484.933	1.5	243.0	Vert	AV	656.3E-12	-61.8	-13.0	-48.8
4462.625	3.1	109.0	Horz	AV	656.3E-12	-61.8	-13.0	-48.8
3719.133	1.5	16.0	Vert	AV	558.6E-12	-62.5	-13.0	-49.5
3719.233	1.5	162.0	Horz	AV	545.9E-12	-62.6	-13.0	-49.6
3719.558	1.5	10.0	Horz	AV	545.9E-12	-62.6	-13.0	-49.6
3719.992	1.5	232.0	Vert	AV	533.5E-12	-62.7	-13.0	-49.7
3095.892	1.5	15.0	Horz	AV	255.3E-12	-65.9	-13.0	-52.9
3095.225	1.5	93.0	Vert	AV	217.3E-12	-66.6	-13.0	-53.6

CONCLUSION

Pass



Tested By

SPURIOUS RADIATED EMISSIONS

EUT:	Airscale Base Transceiver Station Remote Radio Head Model AHLOB	Work Order:	NOKI0093
Serial Number:	YK220900026	Date:	2026-04-08
Customer:	Nokia Solutions and Networks	Temperature:	23.1°C
Attendees:	Mitch Hill, David Le	Relative Humidity:	30.6%
Customer Project:	None	Bar. Pressure (PMSL):	1019 mb
Tested By:	Jarrod Brenden	Job Site:	PT01
Power:	54VDC	Configuration:	NOKI0093-4

TEST PARAMETERS

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

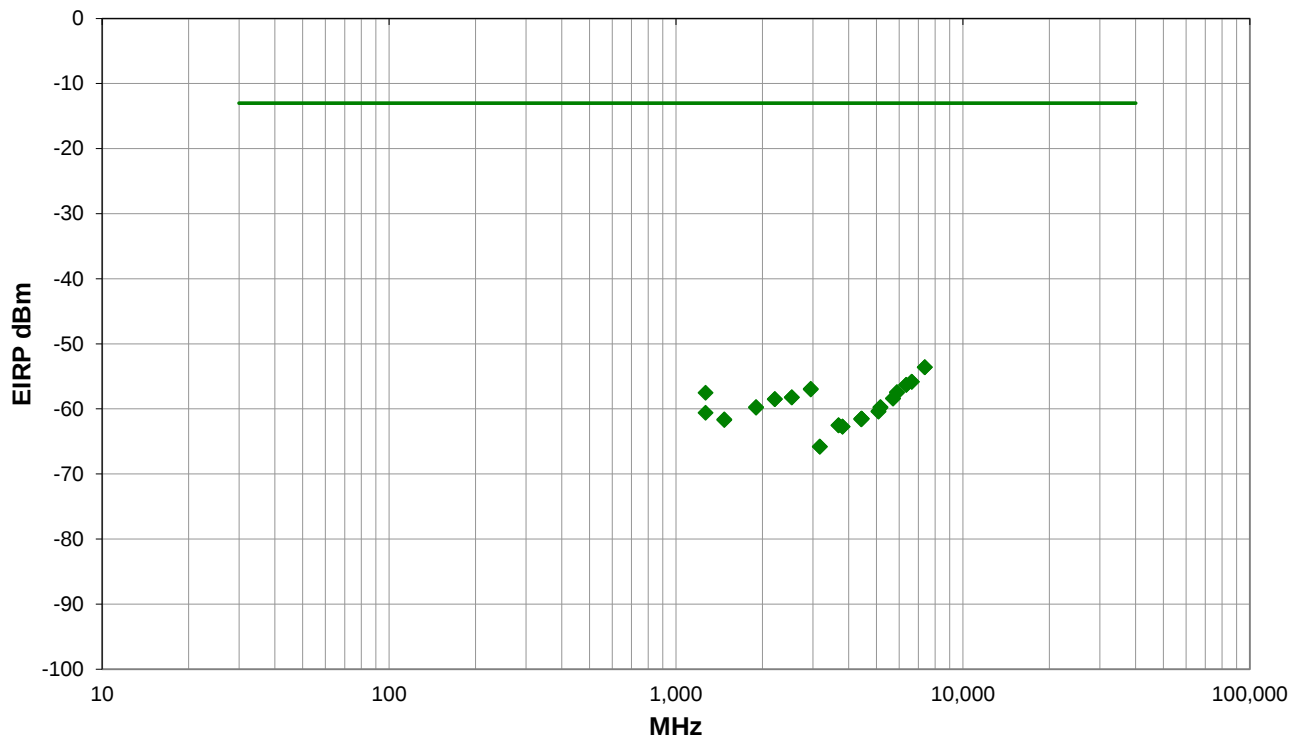
Considered a Pole Mounted radio with respect to testing orientation. Antenna ports were terminated to 50ohm loads.

EUT OPERATING MODES

Radiated Test Case 5

DEVIATIONS FROM TEST STANDARD

None



Run #: 16

■ PK ◆ AV ● QP

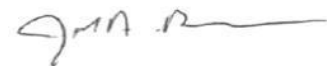
SPURIOUS RADIATED EMISSIONS

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)
7372.317	1.5	233.0	Horz	AV	4.3E-9	-53.6	-13.0	-40.6
7372.367	1.5	306.0	Vert	AV	4.3E-9	-53.6	-13.0	-40.6
6635.358	1.5	198.0	Horz	AV	2.6E-9	-55.8	-13.0	-42.8
6635.325	1.9	217.0	Vert	AV	2.6E-9	-55.8	-13.0	-42.8
6347.275	1.5	347.0	Horz	AV	2.3E-9	-56.3	-13.0	-43.3
6347.350	1.5	48.0	Vert	AV	2.3E-9	-56.3	-13.0	-43.3
2949.575	1.5	37.0	Horz	AV	2.0E-9	-56.9	-13.0	-43.9
2949.117	1.5	92.0	Vert	AV	2.0E-9	-57.0	-13.0	-44.0
5898.367	1.5	360.0	Vert	AV	1.8E-9	-57.4	-13.0	-44.4
1268.942	1.6	292.0	Vert	AV	1.8E-9	-57.5	-13.0	-44.5
5898.192	1.5	252.0	Horz	AV	1.8E-9	-57.5	-13.0	-44.5
2535.625	1.5	251.0	Horz	AV	1.5E-9	-58.2	-13.0	-45.2
2536.025	1.5	4.0	Vert	AV	1.5E-9	-58.2	-13.0	-45.2
5709.433	3.9	341.0	Horz	AV	1.4E-9	-58.4	-13.0	-45.4
5712.733	1.5	269.0	Vert	AV	1.4E-9	-58.4	-13.0	-45.4
2210.308	1.5	93.0	Horz	AV	1.4E-9	-58.5	-13.0	-45.5
2210.708	2.7	179.0	Vert	AV	1.4E-9	-58.5	-13.0	-45.5
1904.192	1.5	117.0	Vert	AV	1.1E-9	-59.7	-13.0	-46.7
5160.942	1.5	94.0	Horz	AV	1.1E-9	-59.7	-13.0	-46.7
1902.467	1.5	4.0	Horz	AV	1.0E-9	-59.8	-13.0	-46.8
5161.200	1.5	298.0	Vert	AV	1.0E-9	-59.8	-13.0	-46.8
5078.442	1.5	352.0	Vert	AV	927.1E-12	-60.3	-13.0	-47.3
5078.183	3.1	304.0	Horz	AV	906.0E-12	-60.4	-13.0	-47.4
1268.550	1.5	277.0	Horz	AV	865.2E-12	-60.6	-13.0	-47.6
4443.708	3.6	37.0	Horz	AV	703.3E-12	-61.5	-13.0	-48.5
4443.883	2.7	244.0	Vert	AV	703.3E-12	-61.5	-13.0	-48.5
4424.300	1.1	103.0	Horz	AV	703.3E-12	-61.5	-13.0	-48.5
1474.975	1.5	51.0	Horz	AV	687.3E-12	-61.6	-13.0	-48.6
4423.692	1.5	120.0	Vert	AV	687.3E-12	-61.6	-13.0	-48.6
1474.850	1.5	106.0	Vert	AV	671.6E-12	-61.7	-13.0	-48.7
3687.400	1.5	168.0	Horz	AV	558.6E-12	-62.5	-13.0	-49.5
3687.250	1.5	120.0	Vert	AV	558.6E-12	-62.5	-13.0	-49.5
3805.825	1.5	360.0	Horz	AV	533.5E-12	-62.7	-13.0	-49.7
3805.733	1.5	31.0	Vert	AV	533.5E-12	-62.7	-13.0	-49.7
3174.067	1.5	181.0	Horz	AV	261.3E-12	-65.8	-13.0	-52.8
3174.842	1.5	229.0	Vert	AV	261.3E-12	-65.8	-13.0	-52.8

CONCLUSION

Pass



Tested By

SPURIOUS RADIATED EMISSIONS

EUT:	Airscale Base Transceiver Station Remote Radio Head Model AHLOB	Work Order:	NOKI0093
Serial Number:	YK220900026	Date:	2026-04-08
Customer:	Nokia Solutions and Networks	Temperature:	23.1°C
Attendees:	Mitch Hill, David Le	Relative Humidity:	30.6%
Customer Project:	None	Bar. Pressure (PMSL):	1019 mb
Tested By:	Jarrod Brenden	Job Site:	PT01
Power:	54VDC	Configuration:	NOKI0093-4

TEST PARAMETERS

Run #:	18	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

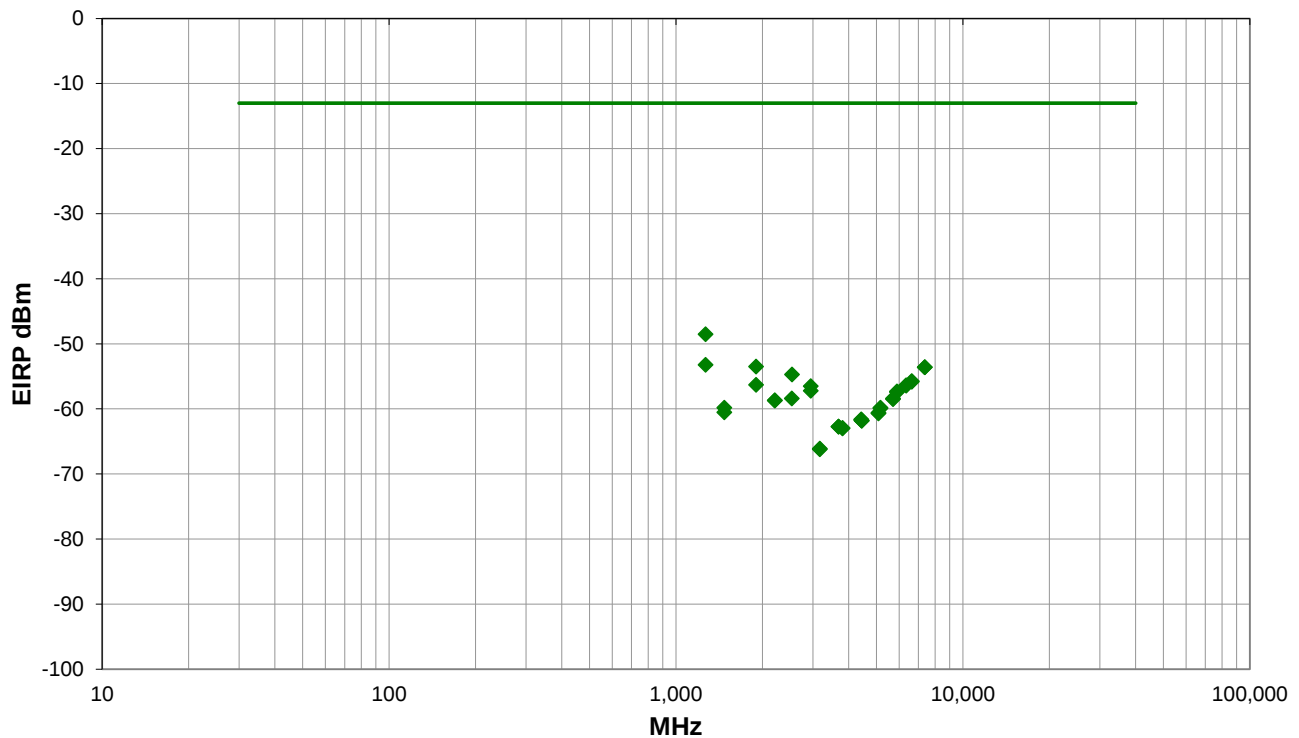
Considered a Pole Mounted radio with respect to testing orientation. Antenna ports were terminated to 50ohm loads.

EUT OPERATING MODES

Radiated Test Case 6

DEVIATIONS FROM TEST STANDARD

None



Run #: 18

■ PK ◆ AV ● QP

SPURIOUS RADIATED EMISSIONS

RESULTS - Run #18

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)
1269.117	1.5	290.0	Vert	AV	14.0E-9	-48.5	-13.0	-35.5
1269.042	1.5	312.0	Horz	AV	4.8E-9	-53.2	-13.0	-40.2
1903.367	2.6	323.0	Vert	AV	4.4E-9	-53.5	-13.0	-40.5
7372.025	1.5	172.0	Horz	AV	4.3E-9	-53.6	-13.0	-40.6
7372.283	1.5	224.0	Vert	AV	4.3E-9	-53.6	-13.0	-40.6
2538.358	1.1	43.0	Horz	AV	3.4E-9	-54.7	-13.0	-41.7
6635.167	1.5	358.0	Vert	AV	2.7E-9	-55.7	-13.0	-42.7
6635.483	1.5	351.0	Horz	AV	2.6E-9	-55.8	-13.0	-42.8
1903.892	1.5	23.0	Horz	AV	2.3E-9	-56.3	-13.0	-43.3
6345.700	1.5	86.0	Horz	AV	2.3E-9	-56.4	-13.0	-43.4
6346.775	1.5	107.0	Vert	AV	2.3E-9	-56.4	-13.0	-43.4
2949.175	2.4	280.0	Horz	AV	2.2E-9	-56.5	-13.0	-43.5
2949.917	2.0	25.0	Vert	AV	1.9E-9	-57.2	-13.0	-44.2
5897.983	1.5	35.0	Horz	AV	1.8E-9	-57.3	-13.0	-44.3
5898.358	1.5	113.0	Vert	AV	1.8E-9	-57.4	-13.0	-44.4
2535.900	1.5	307.0	Vert	AV	1.4E-9	-58.4	-13.0	-45.4
5708.383	1.5	85.0	Vert	AV	1.4E-9	-58.4	-13.0	-45.4
5712.200	1.5	222.0	Horz	AV	1.4E-9	-58.5	-13.0	-45.5
2211.667	1.5	185.0	Horz	AV	1.3E-9	-58.7	-13.0	-45.7
2213.442	1.3	272.0	Vert	AV	1.3E-9	-58.7	-13.0	-45.7
1474.142	1.3	326.0	Horz	AV	1.0E-9	-59.8	-13.0	-46.8
5161.025	1.5	306.0	Vert	AV	1.0E-9	-59.8	-13.0	-46.8
5161.408	2.6	238.0	Horz	AV	1.0E-9	-59.9	-13.0	-46.9
1474.008	1.4	295.0	Vert	AV	885.4E-12	-60.5	-13.0	-47.5
5078.333	1.5	360.0	Horz	AV	865.2E-12	-60.6	-13.0	-47.6
5077.867	2.8	98.0	Vert	AV	845.5E-12	-60.7	-13.0	-47.7
4423.833	1.7	0.0	Horz	AV	687.3E-12	-61.6	-13.0	-48.6
4424.417	1.5	134.0	Vert	AV	671.6E-12	-61.7	-13.0	-48.7
4443.567	1.5	187.0	Horz	AV	656.3E-12	-61.8	-13.0	-48.8
4443.833	1.5	190.0	Vert	AV	656.3E-12	-61.8	-13.0	-48.8
3687.317	1.5	65.0	Horz	AV	533.5E-12	-62.7	-13.0	-49.7
3687.500	1.7	141.0	Vert	AV	533.5E-12	-62.7	-13.0	-49.7
3806.075	1.5	48.0	Horz	AV	509.5E-12	-62.9	-13.0	-49.9
3808.192	1.5	296.0	Vert	AV	497.9E-12	-63.0	-13.0	-50.0
3174.575	1.5	252.0	Horz	AV	243.8E-12	-66.1	-13.0	-53.1
3174.017	1.5	223.0	Vert	AV	238.3E-12	-66.2	-13.0	-53.2

CONCLUSION

Pass



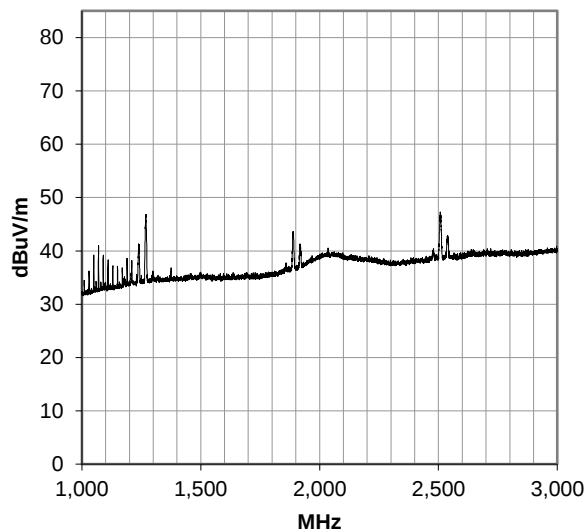
Tested By

SPURIOUS RADIATED EMISSIONS

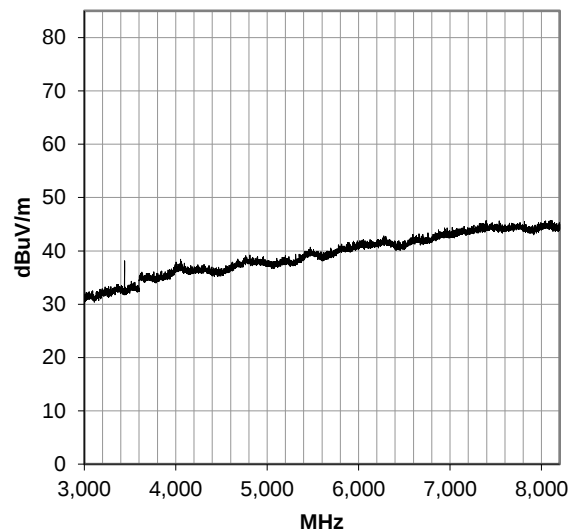
PRESCAN DATA

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.

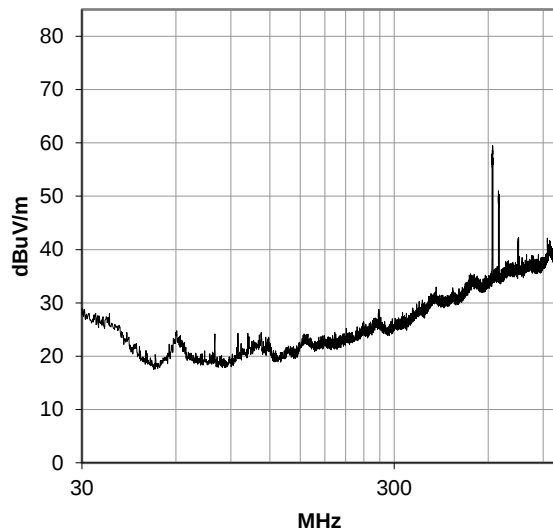
1000-3000 MHz, Run 7
Radiated Test Case 1



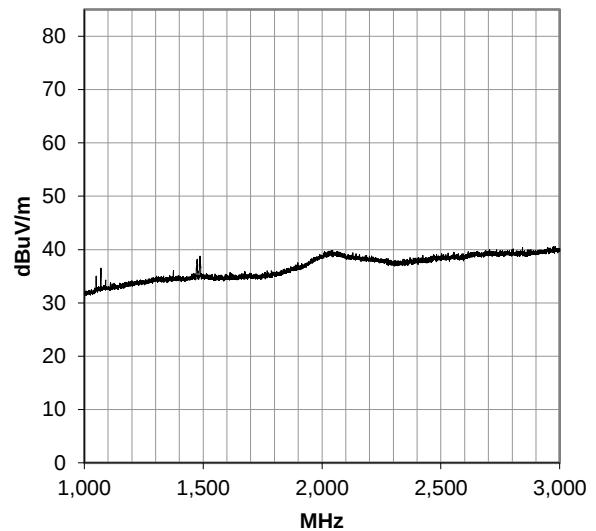
3000-8200 MHz, Run 20
Radiated Test Case 1



30-1000 MHz, Run 22
Radiated Test Case 1

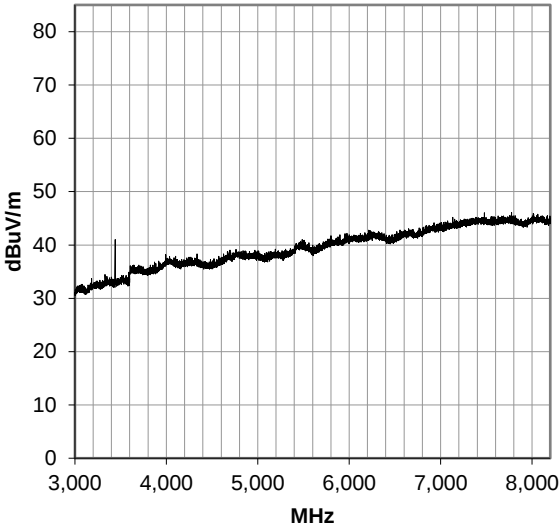


1000-3000 MHz, Run 9
Radiated Test Case 2

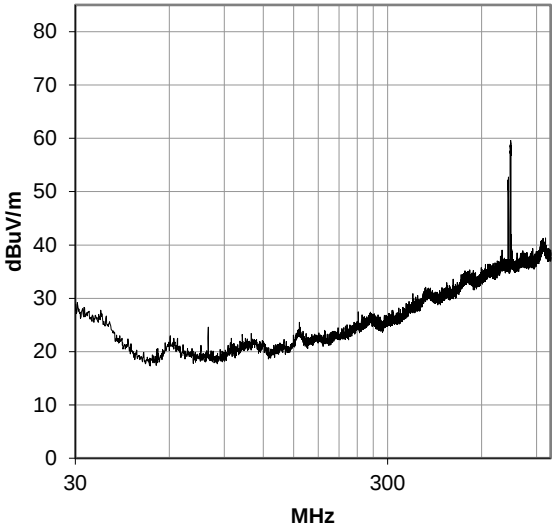


SPURIOUS RADIATED EMISSIONS

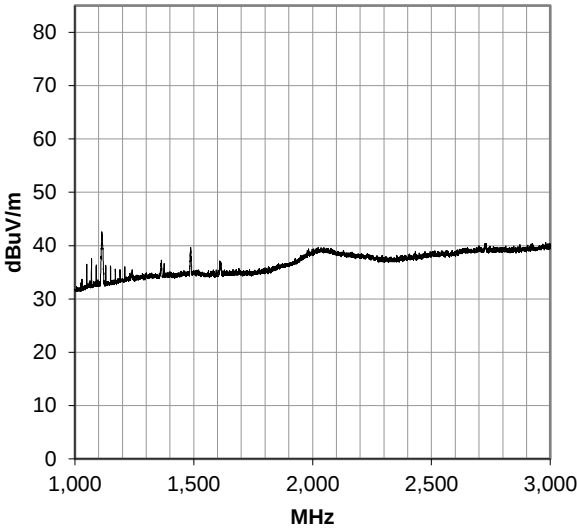
3000-8200 MHz, Run 10
Radiated Test Case 2



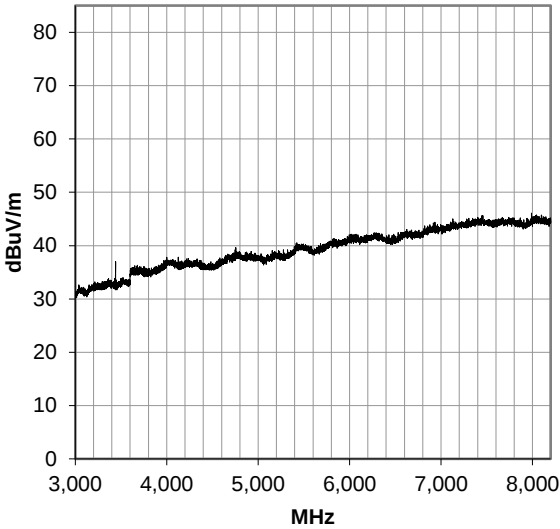
30-1000 MHz, Run 23
Radiated Test Case 2



1000-3000 MHz, Run 11
Radiated Test Case 3

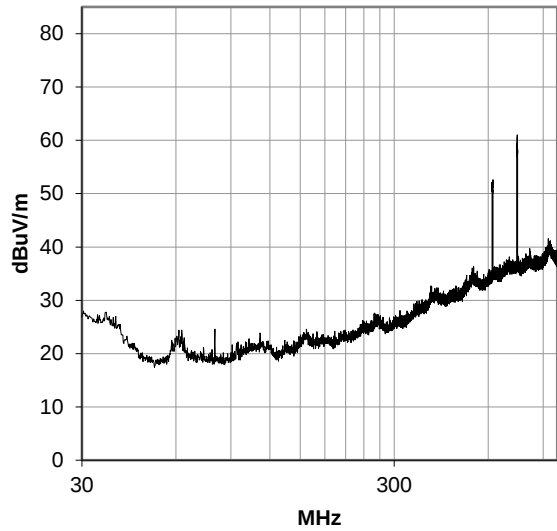


3000-8200 MHz, Run 12
Radiated Test Case 3

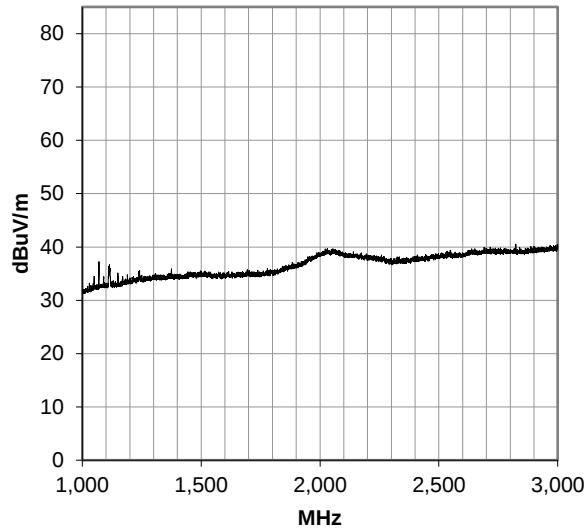


SPURIOUS RADIATED EMISSIONS

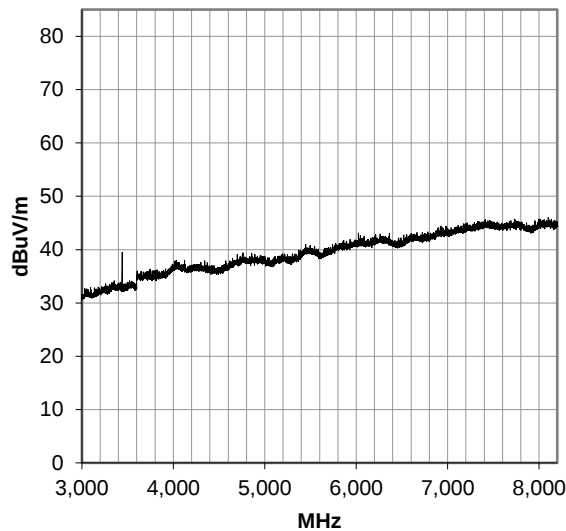
30-1000 MHz, Run 24
Radiated Test Case 3



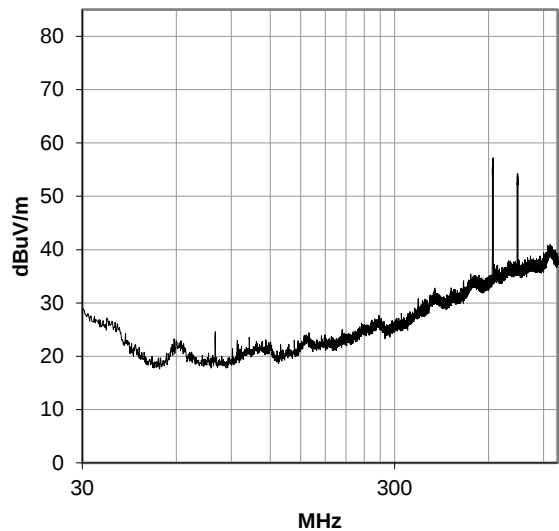
1000-3000 MHz, Run 13
Radiated Test Case 4



3000-8200 MHz, Run 14
Radiated Test Case 4

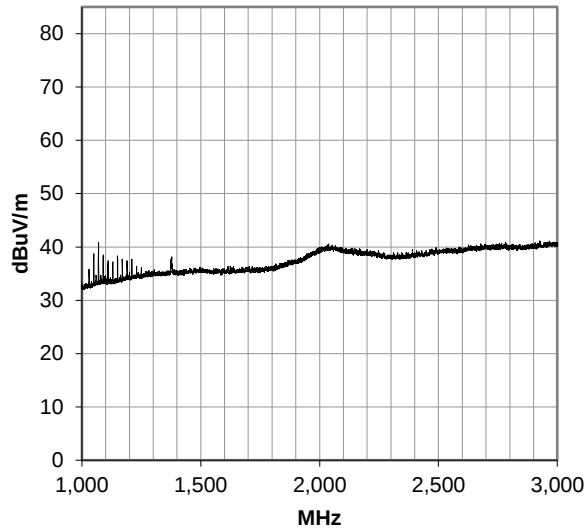


30-1000 MHz, Run 25
Radiated Test Case 4

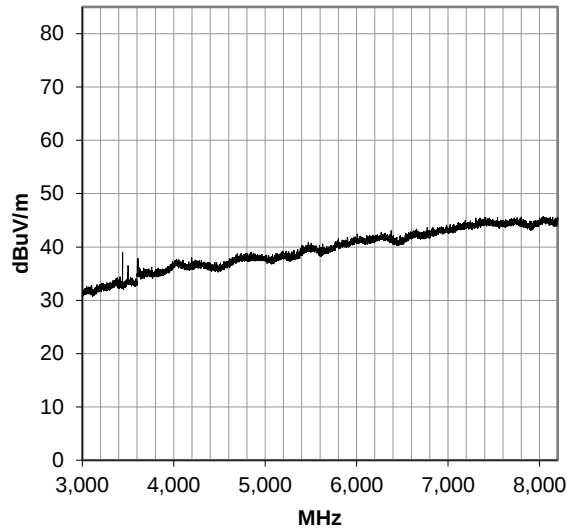


SPURIOUS RADIATED EMISSIONS

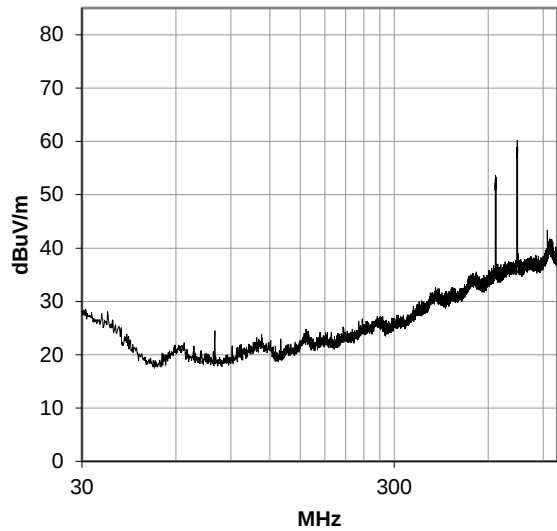
1000-3000 MHz, Run 15
Radiated Test Case 5



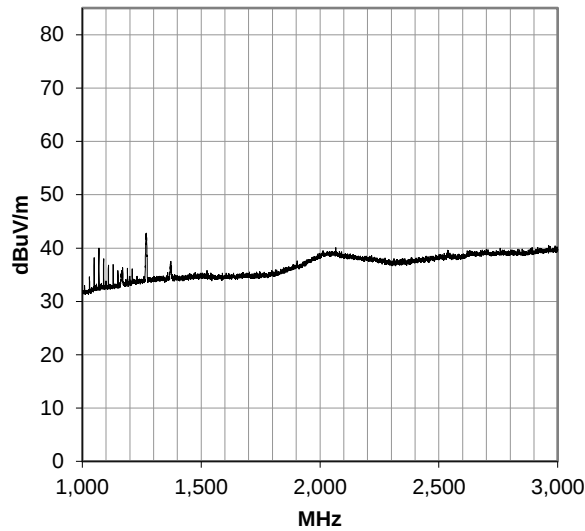
3000-8200 MHz, Run 17
Radiated Test Case 5



30-1000 MHz, Run 26
Radiated Test Case 5

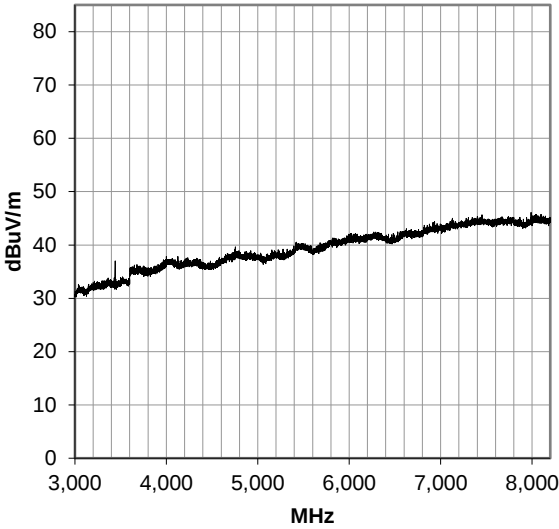


1000-3000 MHz, Run 18
Radiated Test Case 6

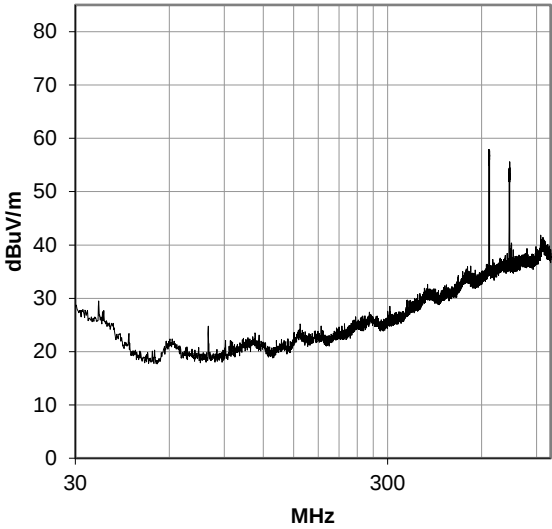


SPURIOUS RADIATED EMISSIONS

3000-8200 MHz, Run 19
Radiated Test Case 6



30-1000 MHz, Run 27
Radiated Test Case 6



End of Test Report