

BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ax (20MHz)

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5.459.250	39.64	54.00	14.36	3.76	H	355	2.00
7	5.460.000	39.65	54.00	14.35	3.76	H	355	2.00
7	5.499.300	92.19			3.86	H	247	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5.458.800	53.49	74.00	20.51	3.76	H	315.2	2.00
7	5.460.000	53.21	74.00	20.79	3.76	H	355	2.00
7	5.504.700	105.77			3.87	H	0.9	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5.459.250	40.52	54.00	13.48	3.76	V	46.1	1.00
7	5.460.000	40.56	54.00	13.44	3.76	V	46.1	1.00
7	5.501.100	94.27			3.86	V	146.5	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5.451.600	53.67	74.00	20.33	3.75	V	197.9	1.00
7	5.460.000	52.22	74.00	21.78	3.76	V	359	1.00
7	5.502.000	105.84			3.86	V	5.1	1.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5500MHz: Fundamental frequency.
3. #: Out of restricted band.



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Test Report No.: PSU-NQN2412310215RF02

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.457.625	38.25	54.00	15.75	3.76	H	351.9	2.00
8	5.460.000	38.12	54.00	15.88	3.76	H	305.5	2.00
8	5.577.475	92.74			4.12	H	0.9	2.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.447.425	52.66	74.00	21.34	3.74	H	213.5	2.00
8	5.460.000	51.28	74.00	22.72	3.76	H	263.7	2.00
8	5.577.050	106.10			4.11	H	359	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.447.425	39.05	54.00	14.95	3.74	V	46	1.00
8	5.460.000	38.84	54.00	15.16	3.76	V	315.1	2.00
8	5.579.175	94.83			4.12	V	108.3	2.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.444.875	53.19	74.00	20.81	3.73	V	5	1.00
8	5.460.000	51.42	74.00	22.58	3.76	V	359	2.00
8	5.580.875	107.01			4.13	V	359.1	1.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5580MHz: Fundamental frequency.
3. #: Out of restricted band.



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Test Report No.: PSU-NQN2412310215RF02

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5,718.000	109.08			4.49	H	359	1.00
9	5,850.000	54.04	68.20	14.16	5.38	H	354.9	2.00
9	5,856.500	54.39	68.20	13.81	5.39	H	357.8	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5,717.000	107.01			4.49	V	95.3	2.00
9	5,850.000	52.85	68.20	15.35	5.38	V	7.8	2.00
9	5,860.000	53.92	68.20	14.28	5.40	V	1	2.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor Margin value = Limit value – Emission Level.
2. 5720MHz: Fundamental frequency.
3. #: Out of restricted band.

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Test Report No.: PSU-NQN2412310215RF02

802.11ax (40MHz)

CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	5.459.500	47.05	54.00	6.95	3.76	H	331.7	1.00
5	5.460.000	46.90	54.00	7.10	3.77	H	331.7	1.00
5	5.511.500	93.12			3.88	H	306.7	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	5.459.000	62.66	74.00	11.34	3.76	H	105.4	2.00
5	5.460.000	63.73	74.00	10.27	3.77	H	322.2	1.00
5	5.508.000	106.77			3.88	H	1	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	5.459.500	47.40	54.00	6.60	3.76	V	171.7	1.00
5	5.460.000	47.88	54.00	6.12	3.77	V	171.7	1.00
5	5.509.000	94.21			3.88	V	273.7	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	5.457.500	62.54	74.00	11.46	3.76	V	5.1	1.00
5	5.460.000	62.75	74.00	11.25	3.77	V	359	1.00
5	5.508.500	105.48			3.88	V	120.9	1.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5510MHz: Fundamental frequency.
3. #: Out of restricted band.



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Test Report No.: PSU-NQN2412310215RF02

CHANNEL	TX Channel 118	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5.460.000	38.60	54.00	15.40	3.76	H	308.5	1.00
7	5.588.000	92.74			4.16	H	101.2	2.00
7	5.725.000	38.44	54.00	15.56	4.49	H	230.9	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5.460.000	51.86	74.00	22.14	3.75	H	155	1.00
7	5.588.000	105.44			4.16	H	206.9	1.00
7	5.725.000	52.22	74.00	21.78	4.49	H	355	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5.460.000	38.41	54.00	15.59	3.76	V	53.4	1.00
7	5.587.600	93.20			4.16	V	94.6	2.00
7	5.725.000	38.49	54.00	15.51	4.49	V	94.6	2.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5.460.000	51.88	74.00	22.12	3.76	V	274.9	1.00
7	5.588.000	106.70			4.16	V	274.9	1.00
7	5.725.000	52.24	74.00	21.76	4.49	V	229.5	2.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5590MHz: Fundamental frequency.
3. #: Out of restricted band.



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Test Report No.: PSU-NQN2412310215RF02

CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.708.230	103.66			4.49	H	359.1	1.00
8	5.850.000	52.48	68.20	15.72	5.37	H	359.1	1.00
8	5.886.800	53.88	68.20	14.32	5.45	H	207.5	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.710.070	103.54			4.49	V	154.3	2.00
8	5.850.000	52.39	68.20	15.81	5.37	V	152.6	1.00
8	5.873.600	53.63	68.20	14.57	5.43	V	355	2.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5710MHz: Fundamental frequency.
3. #: Out of restricted band.

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VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ax (80MHz)

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	5.458.100	48.69	54.00	5.31	3.76	H	359.1	1.00
2	5.460.000	48.35	54.00	5.65	3.76	H	350.6	1.00
2	5.526.333	89.67			3.92	H	359	2.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	5.455.800	61.23	74.00	12.77	3.76	H	359.1	1.00
2	5.460.000	59.17	74.00	14.83	3.76	H	355	2.00
2	5.527.100	104.74			3.93	H	359.1	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	5.453.883	44.18	54.00	9.82	3.75	V	49.7	1.00
2	5.460.000	43.44	54.00	10.56	3.76	V	102.3	2.00
2	5.527.100	87.89			3.93	V	153.8	2.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	5.456.567	58.49	74.00	15.51	3.76	V	359	1.00
2	5.460.000	57.22	74.00	16.78	3.76	V	5	1.00
2	5.519.430	101.25			3.91	V	49.7	1.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5530MHz: Fundamental frequency.
3. #: Out of restricted band.



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Test Report No.: PSU-NQN2412310215RF02

CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5.696.330	101.18			4.48	H	355	2.00
4	5.850.000	53.29	68.20	14.91	5.38	H	310.4	2.00
4	5.864.033	54.07	68.20	14.13	5.40	H	359	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5.691.567	100.09			4.47	V	155	2.00
4	5.850.000	52.95	68.20	15.25	5.37	V	1	2.00
4	5.875.300	53.97	68.20	14.23	5.43	V	1	2.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5690MHz: Fundamental frequency.
3. #: Out of restricted band.

BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ax(160MHz)

CHANNEL	TX Channel 114	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5.429.188	46.02	54.00	7.98	3.69	H	317.4	1.00
9	5.460.000	43.67	54.00	10.33	3.76	H	50.8	1.00
9	5.566.563	85.49			4.06	H	1	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5.429.188	61.24	74.00	12.76	3.69	H	50.8	1.00
9	5.460.000	56.70	74.00	17.30	3.76	H	50.8	1.00
9	5.551.688	98.35			4.00	H	5	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5.416.938	44.54	54.00	9.46	3.66	V	309.1	2.00
9	5.460.000	41.27	54.00	12.73	3.76	V	256.6	2.00
9	5.571.813	82.11			4.09	V	256.6	2.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5.402.063	58.43	74.00	15.57	3.63	V	244.6	2.00
9	5.460.000	54.23	74.00	19.77	3.76	V	54.4	1.00
9	5.571.375	94.31			4.09	V	359	1.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5570MHz: Fundamental frequency.
3. #: Out of restricted band.



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VERITAS Test Report No.: PSU-NQN2412310215RF02

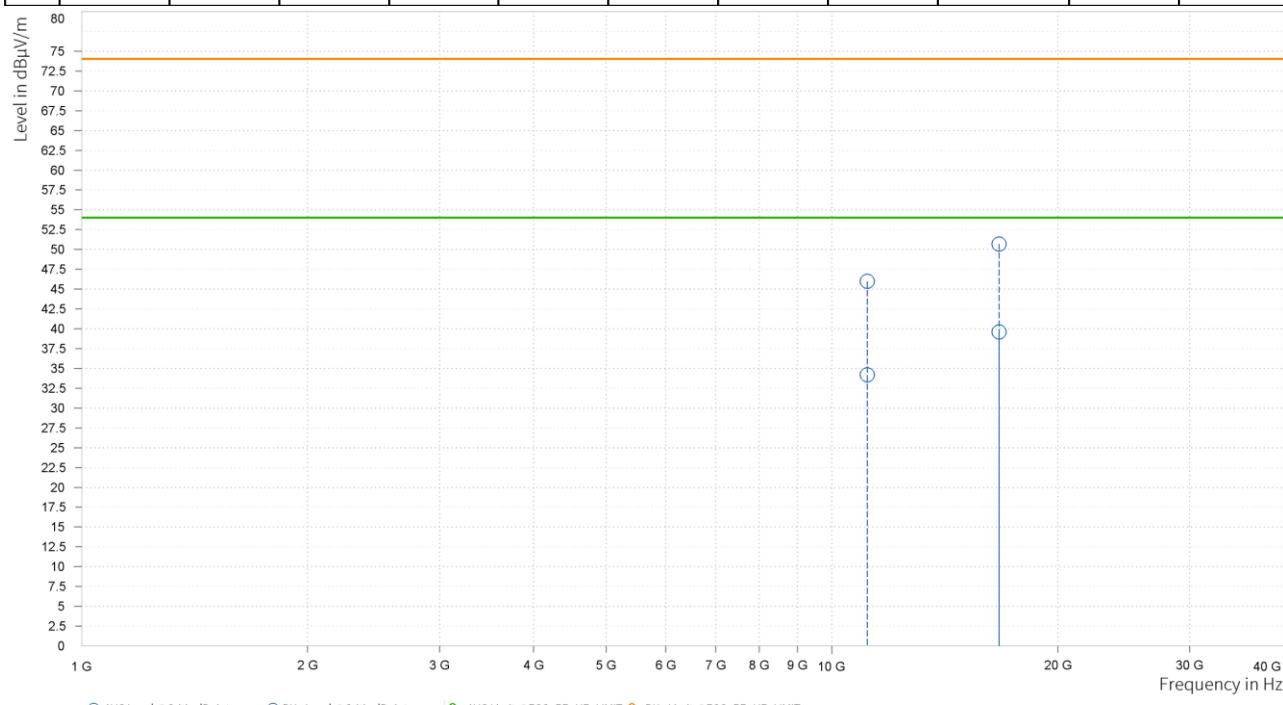
802.11ac (160MHz)

Worst case harmonic:

CHANNEL	TX Channel 114	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	11,140.000	45.98	74.00	28.02	34.18	54.00	19.82	7.24	H	358.6	1.00
2	16,710.000	50.69	74.00	23.31	39.59	54.00	14.41	12.93	H	262.6	2.00



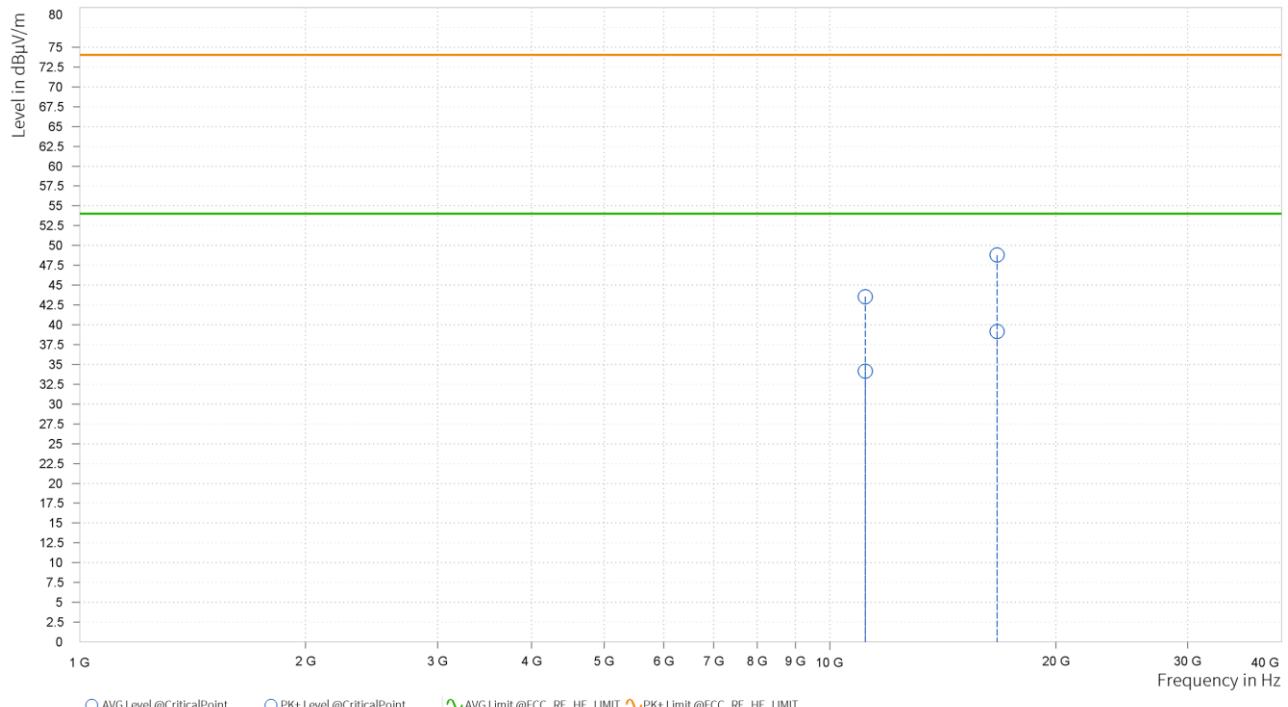


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ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	11,140.000	43.55	74.00	30.45	34.14	54.00	19.86	7.24	V	359	1.00
2	16,710.000	48.80	74.00	25.20	39.16	54.00	14.84	12.93	V	1	2.00



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5570MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.



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VERITAS

Test Report No.: PSU-NQN2412310215RF02

5G WIFI-RU

802.11ax (20MHz) (RU26):

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5.457.450	40.50	54.00	13.50	3.76	H	144.2	1.00
7	5.460.000	40.20	54.00	13.80	3.76	H	45	1.00
7	5.491.650	100.89			3.84	H	354.9	2.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5.457.900	55.37	74.00	18.63	3.76	H	143	1.00
7	5.460.000	54.37	74.00	19.63	3.76	H	359	1.00
7	5.491.650	111.71			3.84	H	4.6	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5.457.900	39.35	54.00	14.65	3.76	V	166.9	2.00
7	5.460.000	39.04	54.00	14.96	3.76	V	111.9	2.00
7	5.491.650	97.06			3.84	V	166.9	2.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5.456.100	53.30	74.00	20.70	3.76	V	218.2	2.00
7	5.460.000	52.73	74.00	21.27	3.76	V	5.1	1.00
7	5.491.650	108.80			3.84	V	5.1	1.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5500MHz: Fundamental frequency.
3. #: Out of restricted band.

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Test Report No.: PSU-NQN2412310215RF02

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.447.425	38.29	54.00	15.71	3.74	H	244.6	1.00
8	5.460.000	38.24	54.00	15.76	3.76	H	294.7	1.00
8	5.580.875	97.04			4.13	H	354.9	2.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.449.550	52.95	74.00	21.05	3.74	H	0.9	2.00
8	5.460.000	51.69	74.00	22.31	3.76	H	1.8	2.00
8	5.580.880	108.93			4.13	H	191.9	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.444.875	38.02	54.00	15.98	3.73	V	0.9	2.00
8	5.460.000	37.83	54.00	16.17	3.76	V	0.9	2.00
8	5.579.175	94.82			4.12	V	95.2	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.459.325	53.31	74.00	20.69	3.76	V	359	2.00
8	5.460.000	53.31	74.00	20.69	3.76	V	359	2.00
8	5.580.880	106.53			4.13	V	1	1.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5580MHz: Fundamental frequency.
3. #: Out of restricted band.



BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5,728.500	109.24			4.49	H	317.5	2.00
9	5,850.000	52.69	68.20	15.51	5.38	H	359.1	1.00
9	5,875.000	54.29	68.20	13.91	5.43	H	169.3	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5,728.500	109.36			4.49	V	266	2.00
9	5,850.000	52.98	68.20	15.22	5.38	V	270.9	1.00
9	5,877.000	54.51	68.20	13.69	5.43	V	5.1	1.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5720MHz: Fundamental frequency.
3. #: Out of restricted band.



BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ax (20MHz) (RU52):

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5,459.250	40.91	54.00	13.09	3.76	H	359	1.00
7	5,460.000	40.86	54.00	13.14	3.76	H	359	1.00
7	5,493.000	99.65			3.84	H	355.5	2.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5,455.650	56.27	74.00	17.73	3.76	H	19.5	2.00
7	5,460.000	54.39	74.00	19.61	3.76	H	359	1.00
7	5,493.450	113.46			3.84	H	354.9	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5,437.200	38.82	54.00	15.18	3.71	V	270.8	1.00
7	5,460.000	38.50	54.00	15.50	3.76	V	4.5	1.00
7	5,491.200	94.07			3.84	V	4.5	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5,457.900	54.27	74.00	19.73	3.76	V	358.3	1.00
7	5,460.000	52.81	74.00	21.19	3.76	V	207.4	2.00
7	5,491.200	107.14			3.84	V	247	1.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5500MHz: Fundamental frequency.
3. #: Out of restricted band.

BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.457.625	39.11	54.00	14.89	3.76	H	1	2.00
8	5.460.000	38.96	54.00	15.04	3.76	H	315.1	2.00
8	5.576.625	98.76			4.11	H	45	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.447.850	54.31	74.00	19.69	3.74	H	5.1	1.00
8	5.460.000	53.30	74.00	20.70	3.76	H	359	1.00
8	5.576.630	112.22			4.11	H	340.5	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.457.625	39.17	54.00	14.83	3.76	V	313.9	2.00
8	5.460.000	39.01	54.00	14.99	3.76	V	313.9	2.00
8	5.577.050	98.93			4.11	V	137	2.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.434.250	53.31	74.00	20.69	3.71	V	263.7	2.00
8	5.460.000	52.05	74.00	21.95	3.76	V	303.1	1.00
8	5.577.900	108.17			4.12	V	254.2	1.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5580MHz: Fundamental frequency.
3. #: Out of restricted band.



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VERITAS

Test Report No.: PSU-NQN2412310215RF02

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5.726.500	110.43			4.49	H	331.8	2.00
9	5.850.000	52.79	68.20	15.41	5.37	H	39	2.00
9	5.874.000	55.71	68.20	12.49	5.43	H	331.8	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5.726.500	112.85			4.49	V	113.2	2.00
9	5.850.000	54.25	68.20	13.95	5.37	V	45	1.00
9	5.892.000	55.34	68.20	12.86	5.46	V	359	2.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5720MHz: Fundamental frequency.
3. #: Out of restricted band.



BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ax (20MHz) (RU106):

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5,457.900	40.29	54.00	13.71	3.76	H	47.3	1.00
7	5,460.000	40.09	54.00	13.91	3.76	H	346.5	1.00
7	5,495.700	97.72			3.85	H	346.5	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5,459.700	67.23	74.00	6.77	3.76	H	255.4	1.00
7	5,460.000	66.58	74.00	7.42	3.76	H	255.4	1.00
7	5,496.600	107.30			3.85	H	255.4	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5,446.650	38.52	54.00	15.48	3.73	V	312.8	2.00
7	5,460.000	38.22	54.00	15.78	3.76	V	312.8	2.00
7	5,492.100	92.39			3.84	V	334.2	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5,455.650	67.30	74.00	6.70	3.76	V	5.8	1.00
7	5,460.000	67.27	74.00	6.73	3.76	V	261.3	1.00
7	5,493.000	106.41			3.84	V	5.8	1.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5500MHz: Fundamental frequency.
3. #: Out of restricted band.

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VERITAS

Test Report No.: PSU-NQN2412310215RF02

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.445.300	38.98	54.00	15.02	3.73	H	359.1	1.00
8	5.460.000	38.88	54.00	15.12	3.76	H	97.5	1.00
8	5.575.350	96.54			4.11	H	358.2	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.451.675	53.70	74.00	20.30	3.75	H	359	1.00
8	5.460.000	52.94	74.00	21.06	3.76	H	354.9	2.00
8	5.574.930	108.67			4.10	H	341.3	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.445.725	38.21	54.00	15.79	3.73	V	311.5	2.00
8	5.460.000	38.05	54.00	15.95	3.76	V	4.5	1.00
8	5.577.475	94.25			4.12	V	4.5	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.458.475	53.13	74.00	20.87	3.76	V	267.2	1.00
8	5.460.000	51.88	74.00	22.12	3.76	V	354.6	1.00
8	5.577.900	108.44			4.12	V	5.8	1.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5580MHz: Fundamental frequency.
3. #: Out of restricted band.



BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5.728.000	107.40			4.49	H	152.6	1.00
9	5.850.000	53.01	68.20	15.19	5.38	H	359	2.00
9	5.882.000	54.42	68.20	13.78	5.44	H	0.9	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5.728.500	105.97			4.49	V	311.6	2.00
9	5.850.000	52.95	68.20	15.25	5.37	V	359.1	1.00
9	5.896.000	54.31	68.20	13.89	5.47	V	12.2	2.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5720MHz: Fundamental frequency.
3. #: Out of restricted band.

BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ax (20MHz) (RU242):

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5.455.650	39.98	54.00	14.02	3.76	H	343.8	1.00
7	5.460.000	39.39	54.00	14.61	3.76	H	116.6	2.00
7	5.498.850	92.45			3.86	H	296	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5.458.350	55.12	74.00	18.88	3.76	H	292.3	1.00
7	5.460.000	54.72	74.00	19.28	3.76	H	292.3	1.00
7	5.499.300	108.30			3.86	H	359.1	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5.456.550	39.19	54.00	14.81	3.76	V	45	1.00
7	5.460.000	38.68	54.00	15.32	3.76	V	146.6	1.00
7	5.500.200	92.36			3.86	V	95.3	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5.455.200	53.63	74.00	20.37	3.75	V	5.1	1.00
7	5.460.000	52.26	74.00	21.74	3.76	V	359	2.00
7	5.498.850	104.83			3.86	V	115.4	2.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5500MHz: Fundamental frequency.
3. #: Out of restricted band.

BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.457.625	38.29	54.00	15.71	3.76	H	343.6	1.00
8	5.460.000	38.16	54.00	15.84	3.76	H	343.6	1.00
8	5.578.750	92.53			4.12	H	245.8	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.441.475	53.05	74.00	20.95	3.72	H	298.4	1.00
8	5.460.000	51.46	74.00	22.54	3.76	H	298.4	1.00
8	5.579.600	106.22			4.12	H	298.4	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.445.725	38.07	54.00	15.93	3.73	V	318.7	1.00
8	5.460.000	37.95	54.00	16.05	3.76	V	318.7	1.00
8	5.578.325	90.74			4.12	V	113.1	2.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.438.075	52.64	74.00	21.36	3.71	V	0.9	2.00
8	5.460.000	51.37	74.00	22.63	3.76	V	314	2.00
8	5.579.180	106.25			4.12	V	114.3	2.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5580MHz: Fundamental frequency.
3. #: Out of restricted band.



BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5.719.000	105.75			4.49	H	114.4	2.00
9	5.850.000	52.90	68.20	15.30	5.37	H	1.5	2.00
9	5.862.500	54.50	68.20	13.70	5.40	H	359.1	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5.721.500	102.27			4.49	V	358.3	1.00
9	5.850.000	52.66	68.20	15.54	5.37	V	144.2	2.00
9	5.861.000	53.74	68.20	14.46	5.40	V	91.7	2.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5720MHz: Fundamental frequency.
3. #: Out of restricted band.



BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ax (40MHz) (RU484):

CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	5.456.500	40.73	54.00	13.27	3.76	H	78	1.00
5	5.460.000	40.12	54.00	13.88	3.77	H	78	1.00
5	5.508.000	90.79			3.88	H	1	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	5.443.000	55.74	74.00	18.26	3.73	H	304.3	1.00
5	5.460.000	54.78	74.00	19.22	3.77	H	77.4	1.00
5	5.507.000	107.85			3.87	H	1	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	5.440.500	39.37	54.00	14.63	3.72	V	51.6	1.00
5	5.460.000	38.86	54.00	15.14	3.77	V	51.6	1.00
5	5.507.000	89.54			3.87	V	269.5	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	5.444.500	53.66	74.00	20.34	3.73	V	158.6	2.00
5	5.460.000	52.25	74.00	21.75	3.77	V	108.4	2.00
5	5.507.000	103.87			3.87	V	233.2	2.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5510MHz: Fundamental frequency.
3. #: Out of restricted band.



BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

CHANNEL	TX Channel 118	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5.460.000	38.32	54.00	15.68	3.76	H	240.5	1.00
7	5.584.400	89.58			4.15	H	333.4	2.00
7	5.725.000	38.31	54.00	15.69	4.51	H	282.2	2.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5.460.000	52.81	74.00	21.19	3.76	H	359	1.00
7	5.596.000	103.06			4.20	H	206.2	1.00
7	5.725.000	52.16	74.00	21.84	4.49	H	359	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5.460.000	37.96	54.00	16.04	3.76	V	163.9	1.00
7	5.592.000	88.12			4.18	V	138.8	1.00
7	5.725.000	38.18	54.00	15.82	4.49	V	138.8	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
7	5.460.000	51.47	74.00	22.53	3.76	V	359.1	1.00
7	5.587.200	104.67			4.16	V	103.7	2.00
7	5.725.000	52.50	74.00	21.50	4.49	V	172.4	1.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5590MHz: Fundamental frequency.
3. #: Out of restricted band.



BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.707.130	103.36			4.49	H	359.1	1.00
8	5.850.000	53.53	68.20	14.67	5.37	H	258.2	2.00
8	5.889.000	54.62	68.20	13.58	5.46	H	0.9	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
8	5.711.533	98.65			4.49	V	333.4	2.00
8	5.850.000	52.36	68.20	15.84	5.38	V	0.9	2.00
8	5.888.633	53.78	68.20	14.42	5.46	V	333.4	2.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5710MHz: Fundamental frequency.
3. #: Out of restricted band.

BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ax (80MHz) (RU996):

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	5.457.717	40.75	54.00	13.25	3.76	H	47.2	1.00
2	5.460.000	40.83	54.00	13.17	3.76	H	355.5	2.00
2	5.527.100	88.49			3.93	H	319.8	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	5.459.250	55.51	74.00	18.49	3.76	H	302	1.00
2	5.460.000	54.94	74.00	19.06	3.76	H	46.2	1.00
2	5.527.483	103.83			3.93	H	1	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	5.456.183	38.98	54.00	15.02	3.76	V	46	1.00
2	5.460.000	38.13	54.00	15.87	3.76	V	110.7	2.00
2	5.530.933	81.87			3.94	V	323.4	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	5.429.733	53.87	74.00	20.13	3.69	V	5.1	1.00
2	5.460.000	53.73	74.00	20.27	3.76	V	5.1	1.00
2	5.527.480	101.24			3.93	V	233.8	1.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5530MHz: Fundamental frequency.
3. #: Out of restricted band.



BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,686.370	100.93			4.45	H	359.1	1.00
4	5,850.000	53.45	68.20	14.75	5.37	H	359	2.00
4	5,878.767	54.29	68.20	13.91	5.44	H	0.9	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,689.400	99.08			4.46	V	272	1.00
4	5,850.000	52.70	68.20	15.50	5.37	V	355	2.00
4	5,851.467	53.63	68.20	14.57	5.38	V	113.1	2.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5690MHz: Fundamental frequency.
3. #: Out of restricted band.



BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ax (160MHz) (RU996):

CHANNEL	TX Channel 114	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5.432.688	42.45	54.00	11.55	3.70	H	300.7	1.00
9	5.460.000	39.09	54.00	14.92	3.76	H	147.7	1.00
9	5.518.875	80.65			3.90	H	47.3	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5.438.375	63.35	74.00	10.65	3.72	H	8.3	2.00
9	5.460.000	58.82	74.00	15.18	3.76	H	1	1.00
9	5.526.750	93.75			3.93	H	258.9	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5.415.188	41.09	54.00	12.91	3.66	V	313.9	2.00
9	5.460.000	38.67	54.00	15.33	3.76	V	4.5	1.00
9	5.640.063	78.98			4.36	V	233.8	1.00

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5.438.375	60.40	74.00	13.60	3.72	V	313.9	2.00
9	5.460.000	55.78	74.00	18.22	3.76	V	110.7	2.00
9	5.526.750	91.68			3.93	V	110.7	2.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5690MHz: Fundamental frequency.
3. #: Out of restricted band.



BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

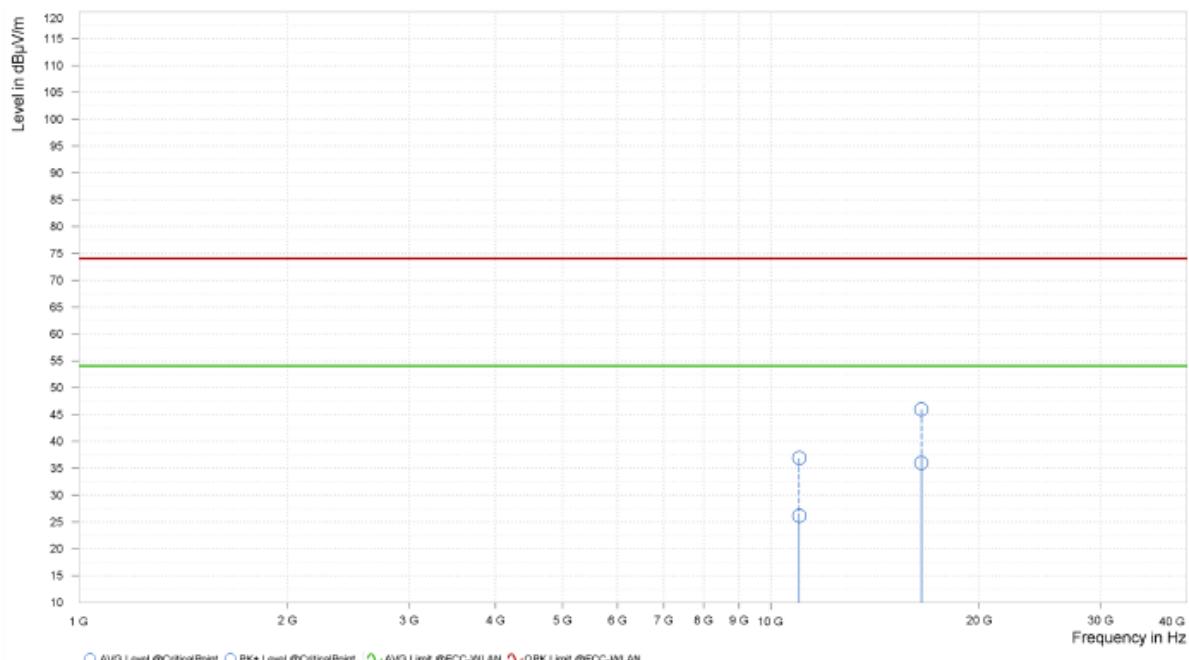
802.11ax (20MHz) (RU106):

Worst case harmonic:

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+: QPK Limit [dB μ V/m]	PK+ Margin [dB]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	11,000,000	36.89	74.00	37.11	26.16	54.00	27.84	11.84	H	1.4	2.00
4	16,500,000	45.93	74.00	28.07	35.99	54.00	18.01	19.26	H	359	1.00



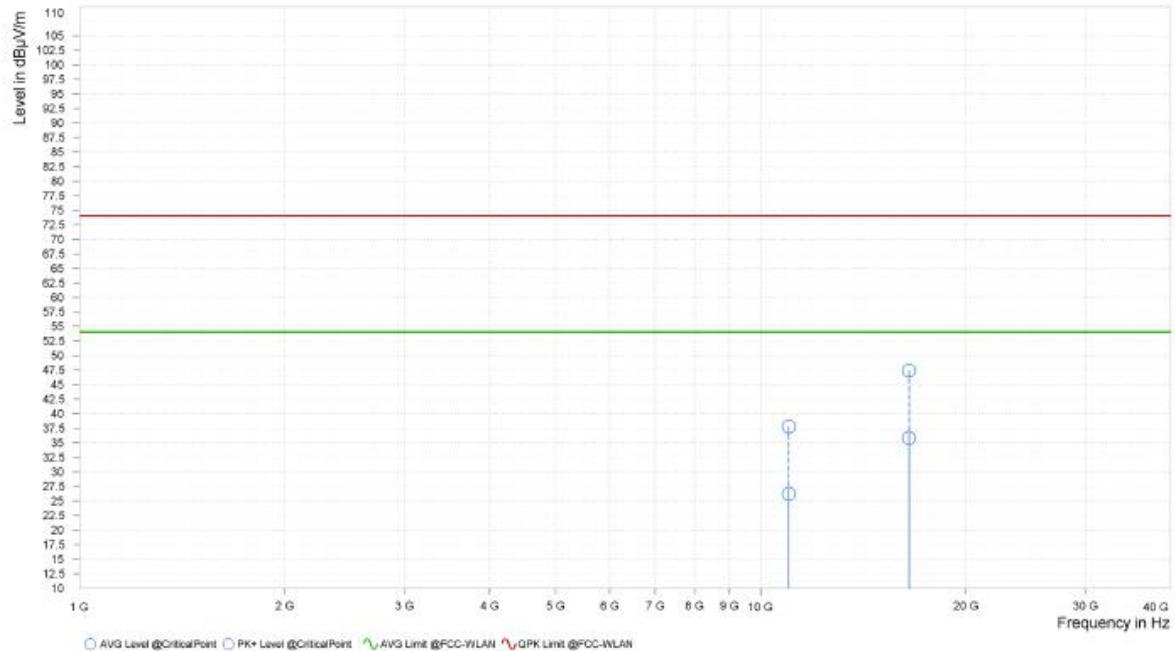


BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ QPK Limit [dB μ V/m]	PK+ Margin [dB]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	11,000.000	37.82	74.00	36.18	26.25	54.00	27.75	11.84	V	359	1.00
4	16,500.000	47.42	74.00	26.58	35.83	54.00	18.17	19.26	V	359	2.00



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5500MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.



BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

Band 4:

OOBE DATA

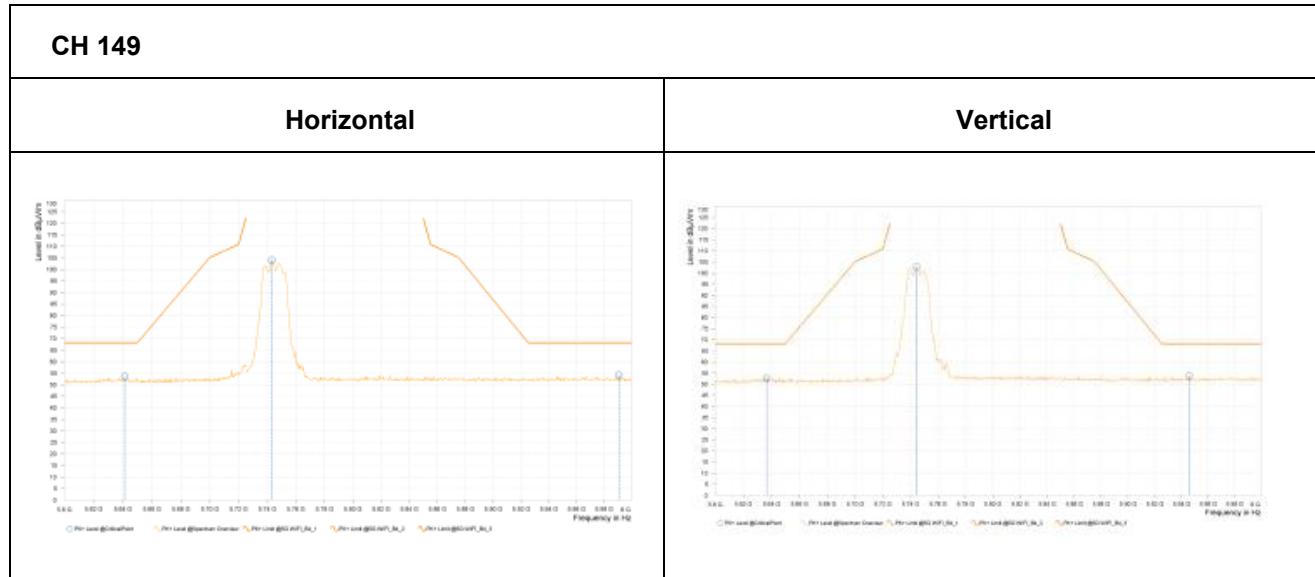
802.11a

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.641.250	53.62	68.20	14.58	4.36	H	133.4	2.00
12	5.743.130	104.06			4.57	H	359	2.00
13	5.990.625	54.16	68.20	14.04	5.76	H	359.1	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.636.563	52.64	68.20	15.56	4.35	V	1	1.00
12	5.744.380	102.74			4.58	V	88	1.00
13	5.945.625	53.78	68.20	14.42	5.49	V	13.5	2.00





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

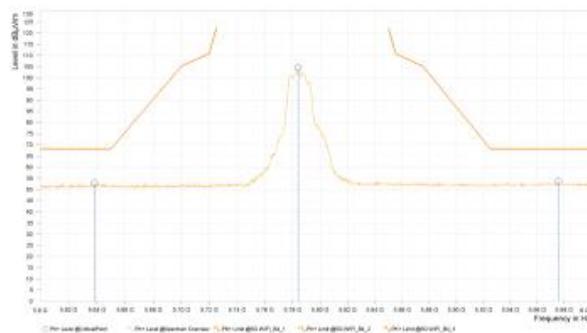
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11	5.638.125	52.78	68.20	15.42	4.35	H	281.6	2.00
12	5.784.060	104.46			4.93	H	359	2.00
13	5.975.625	53.62	68.20	14.58	5.64	H	0.9	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

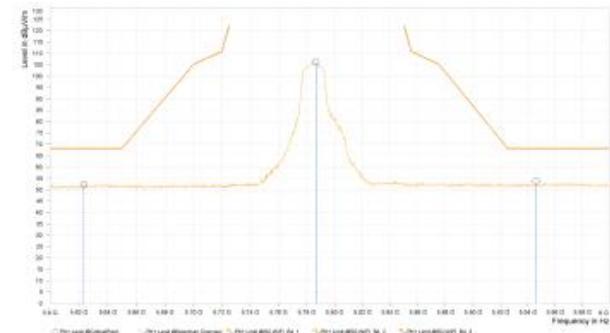
Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.623.438	52.41	68.20	15.79	4.32	V	2.4	2.00
12	5.786.563	106.22			4.95	V	300.8	1.00
13	5.946.000	53.68	68.20	14.52	5.49	V	359.1	1.00

CH 157

Horizontal



Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

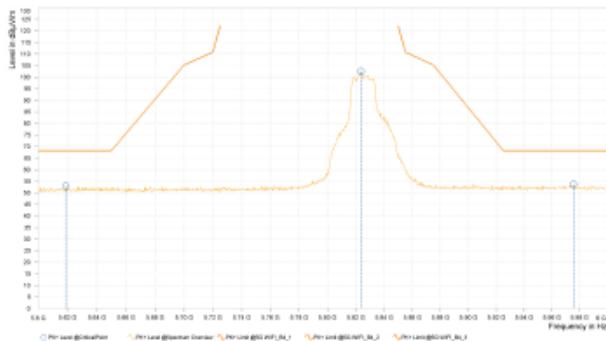
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11	5.618.750	52.93	68.20	15.27	4.31	H	70.1	2.00
12	5.823.440	102.44			5.24	H	359	2.00
13	5.975.625	53.68	68.20	14.52	5.64	H	359	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

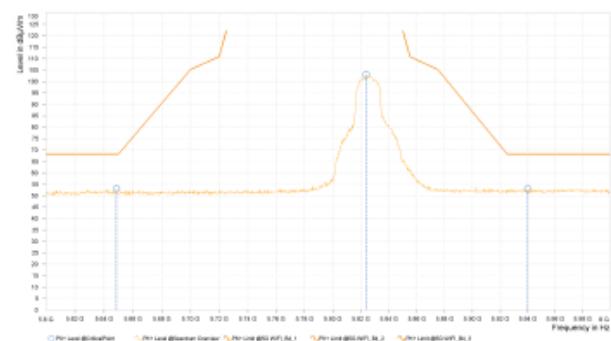
Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.648.438	53.04	68.20	15.16	4.37	V	133.4	2.00
12	5.823.750	102.90			5.24	V	270.8	2.00
13	5.940.000	52.95	68.20	15.25	5.49	V	359	1.00

CH 165

Horizontal



Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11n (20MHz)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

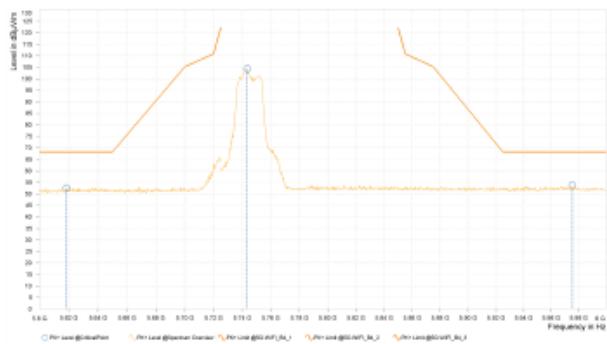
Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5,618.438	52.55	68.20	15.65	4.30	H	1	1.00
12	5,743.440	104.34			4.57	H	90.5	1.00
13	5,975.250	53.70	68.20	14.50	5.63	H	359	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

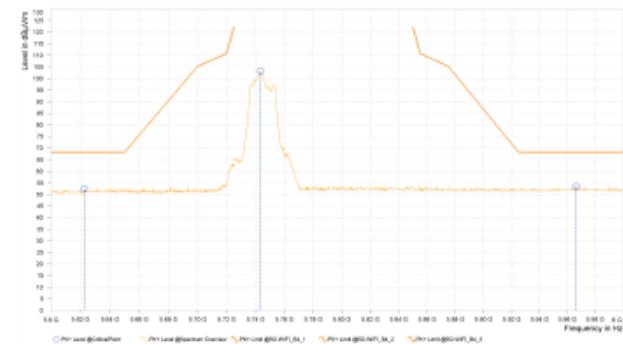
Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5,622.500	52.44	68.20	15.76	4.32	V	359	2.00
12	5,743.440	103.12			4.57	V	90.5	1.00
13	5,966.250	53.43	68.20	14.77	5.56	V	1	2.00

CH 149

Horizontal



Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.643.125	52.87	68.20	15.33	4.36	H	133.4	2.00
12	5.783.438	104.70			4.92	H	95.2	1.00
13	5.928.000	53.66	68.20	14.54	5.49	H	1	1.00

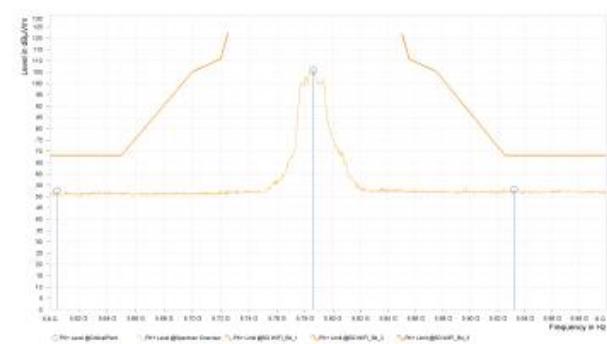
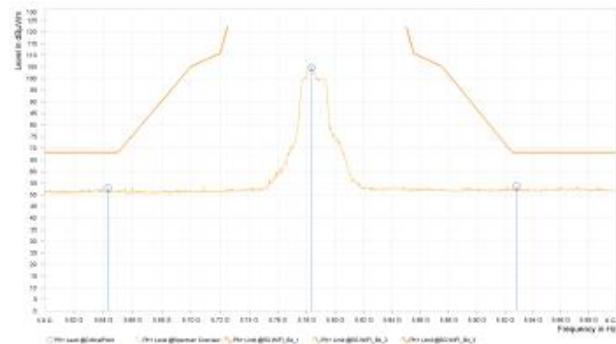
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.605.000	52.51	68.20	15.69	4.24	V	5.1	1.00
12	5.785.940	105.77			4.95	V	96.4	1.00
13	5.931.750	53.09	68.20	15.11	5.49	V	172.9	2.00

CH 157

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.607.813	52.65	68.20	15.55	4.26	H	224.3	1.00
12	5.822.190	100.14			5.23	H	359	2.00
13	5.973.000	53.65	68.20	14.55	5.62	H	0.9	2.00

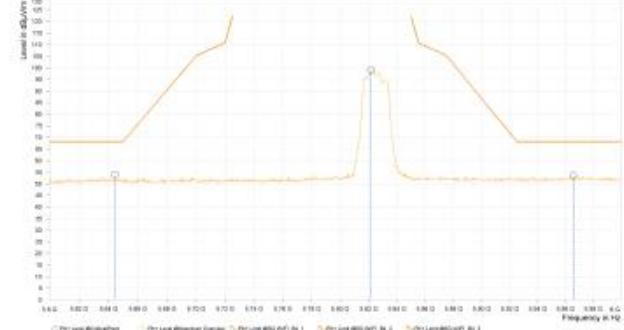
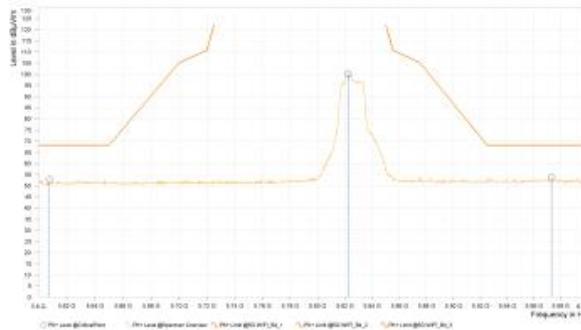
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.644.375	53.93	68.20	14.27	4.36	V	5.8	1.00
12	5.821.563	99.02			5.22	V	98.8	1.00
13	5.965.500	53.60	68.20	14.60	5.55	V	359	2.00

CH 165

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11n (40MHz)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5,648.000	52.45	68.20	15.75	12.79	H	243.1	1.00
9	5,756.000	99.10			13.13	H	304	1.00
9	5,993.500	53.47	68.20	14.73	13.56	H	119.9	1.00

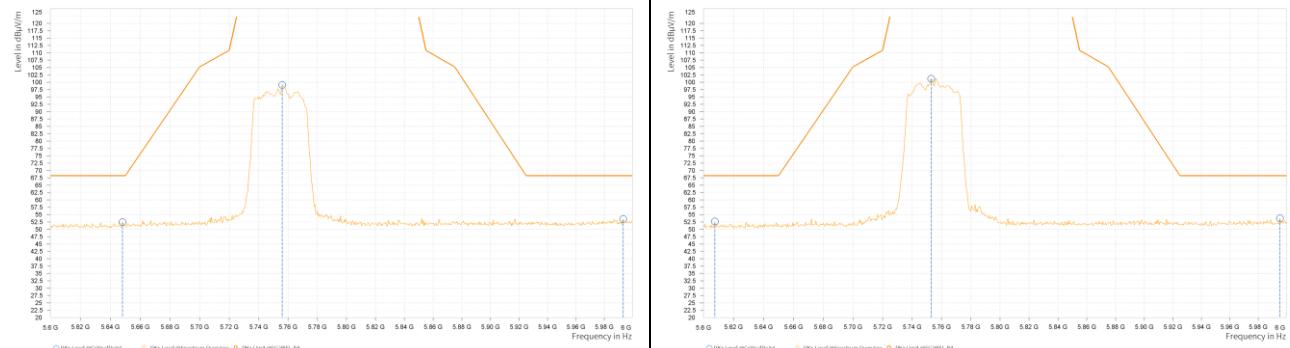
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5,607.500	52.70	68.20	15.50	12.56	V	359	1.00
9	5,753.000	101.21			13.13	V	120	1.00
9	5,995.500	53.72	68.20	14.48	13.57	V	1	2.00

CH 151

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

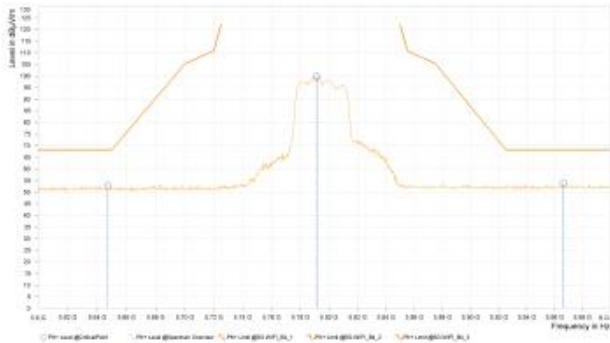
Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.647.188	52.76	68.20	15.44	4.37	H	0.9	2.00
12	5.791.250	99.65			4.99	H	341.3	1.00
13	5.966.250	53.65	68.20	14.55	5.56	H	163.4	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

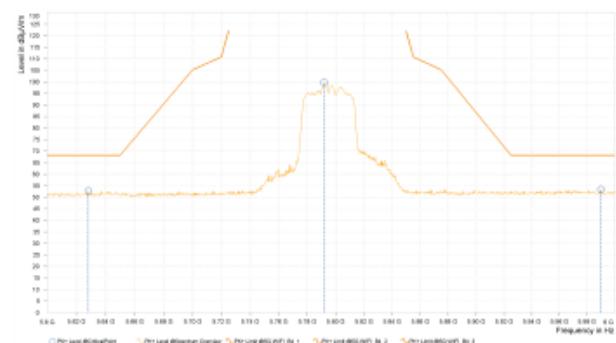
Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.628.125	52.68	68.20	15.52	4.33	V	0.9	2.00
12	5.791.875	99.74			5.00	V	257.8	2.00
13	5.990.250	53.32	68.20	14.88	5.76	V	359.1	1.00

CH 159

Horizontal



Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ac (20MHz)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.647.188	52.62	68.20	15.58	4.37	H	359.1	1.00
12	5.741.880	101.76			4.56	H	359	2.00
13	5.963.625	53.21	68.20	14.99	5.54	H	168.2	2.00

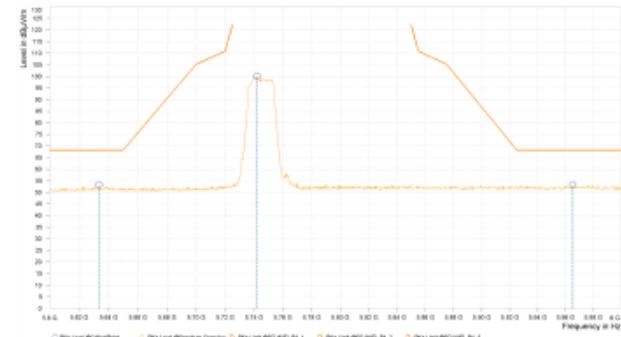
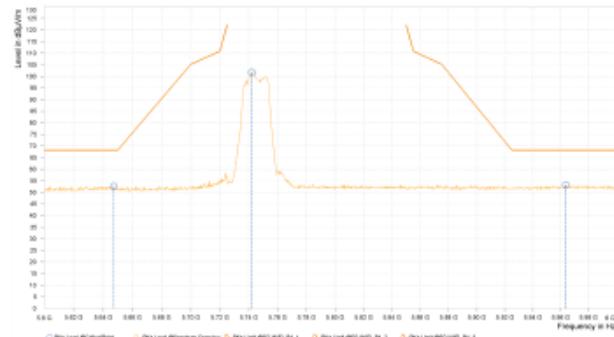
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.633.438	53.27	68.20	14.93	4.34	V	13	1.00
12	5.741.880	100.10			4.56	V	263.6	2.00
13	5.965.125	53.27	68.20	14.93	5.55	V	359	1.00

CH 149

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.638.125	52.63	68.20	15.57	4.35	H	359	2.00
12	5.782.500	102.90			4.91	H	264.9	2.00
13	5.974.500	53.44	68.20	14.76	5.63	H	1	1.00

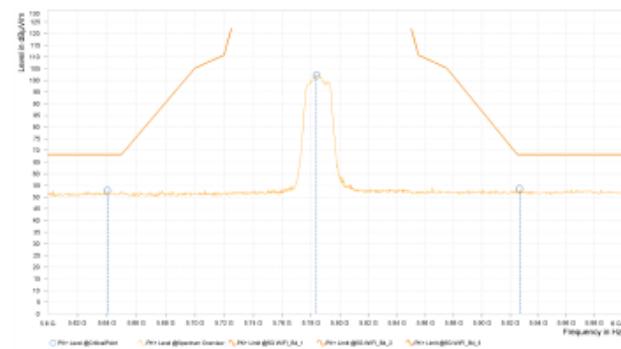
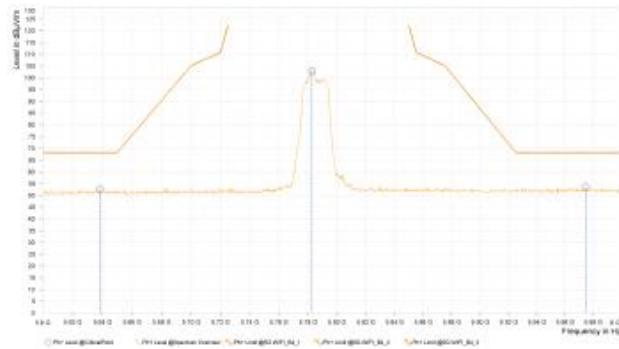
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.640.313	52.78	68.20	15.42	4.36	V	359.1	1.00
12	5.783.750	102.21			4.93	V	264.9	2.00
13	5.926.500	53.50	68.20	14.70	5.49	V	359.1	1.00

CH 157

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.640.625	52.59	68.20	15.61	4.36	H	358.9	1.00
12	5.823.750	100.57			5.24	H	100	1.00
13	5.994.750	53.44	68.20	14.76	5.80	H	1	2.00

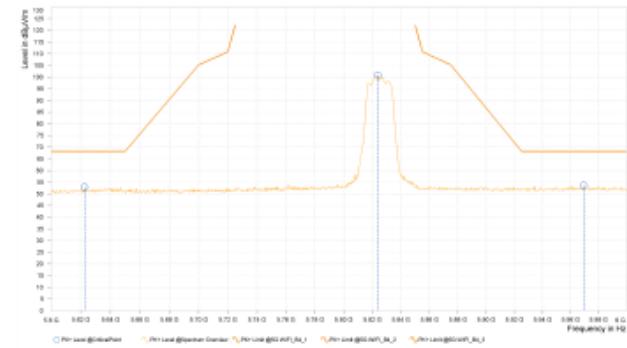
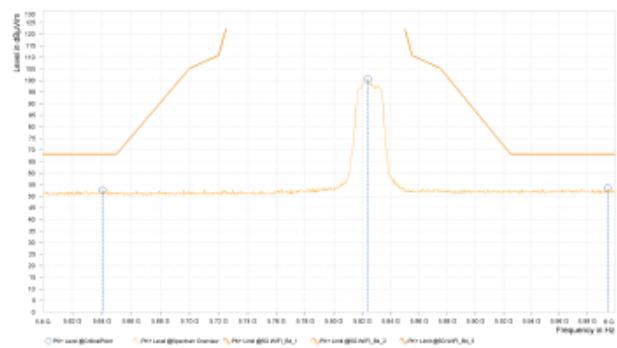
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.622.500	52.79	68.20	15.41	4.32	V	354.9	2.00
12	5.823.750	100.82			5.24	V	98.8	1.00
13	5.969.250	53.58	68.20	14.62	5.58	V	1	1.00

CH 165

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ac (40MHZ)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.621.875	52.73	68.20	15.47	4.32	H	276.8	1.00
12	5.751.250	98.55			4.63	H	359	2.00
13	5.967.750	53.32	68.20	14.88	5.57	H	359	1.00

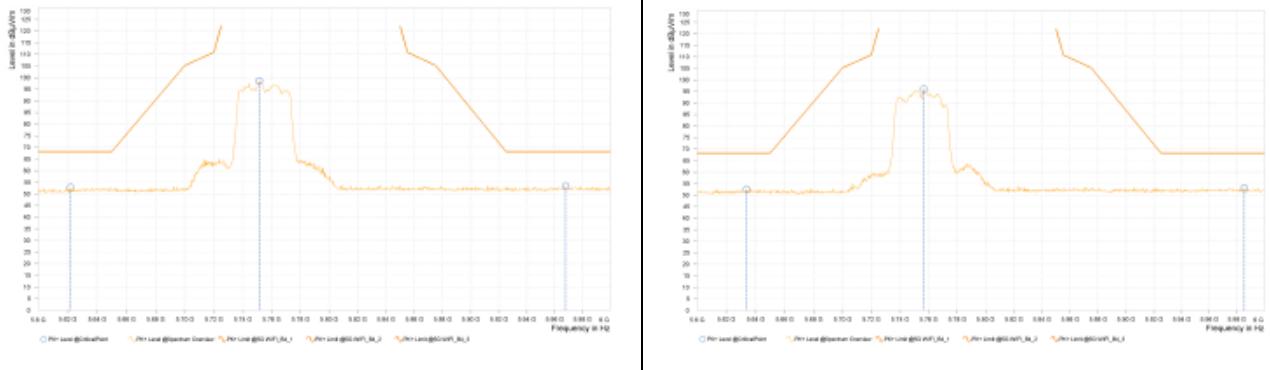
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.633.750	52.57	68.20	15.63	4.34	V	101.2	2.00
12	5.756.563	95.86			4.68	V	359	2.00
13	5.985.375	53.12	68.20	15.08	5.72	V	359	2.00

CH 151

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

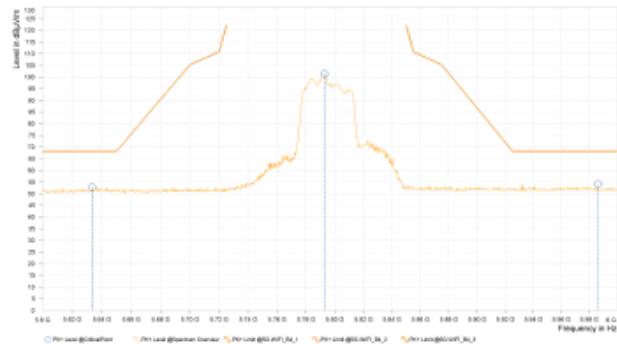
Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.633.438	52.74	68.20	15.46	4.34	H	1	1.00
12	5.792.810	101.30			5.01	H	104.8	1.00
13	5.986.125	54.16	68.20	14.04	5.73	H	3.9	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

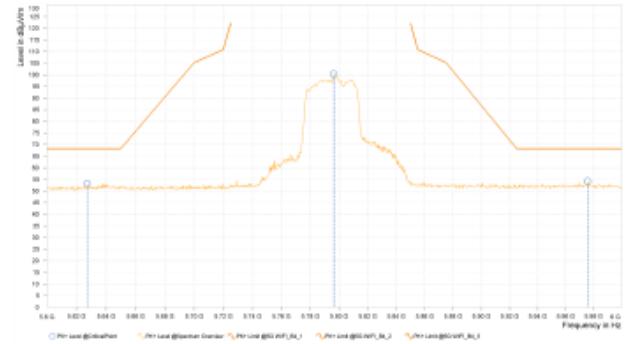
Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.627.188	53.10	68.20	15.10	4.33	V	1.2	2.00
12	5.796.250	100.30			5.04	V	62.8	2.00
13	5.975.625	54.12	68.20	14.08	5.64	V	169.3	2.00

CH 159

Horizontal



Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ac (80MHz)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.636.875	53.94	68.20	14.26	4.35	H	261.3	1.00
12	5.781.250	97.06			4.90	H	359.1	1.00
13	5.951.250	53.36	68.20	14.84	5.49	H	5	2.00

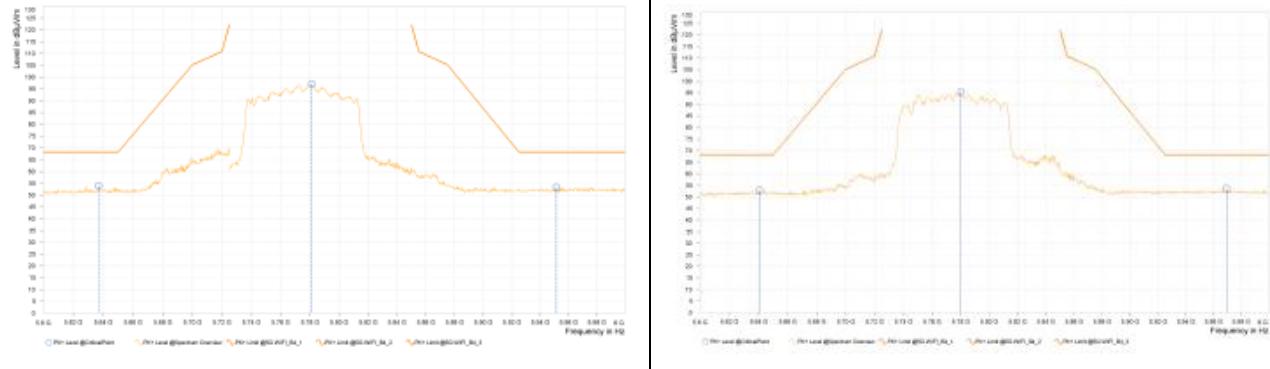
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.640.625	52.89	68.20	15.31	4.36	V	354.2	2.00
12	5.780.000	95.30			4.89	V	104.8	1.00
13	5.969.250	53.47	68.20	14.73	5.58	V	359	2.00

CH 155

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ax (20MHz)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

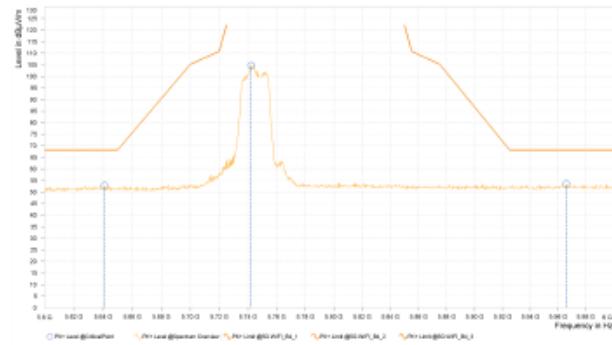
Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.640.938	52.77	68.20	15.43	4.36	H	359	1.00
12	5.742.190	104.72			4.57	H	96.5	1.00
13	5.965.875	53.49	68.20	14.71	5.56	H	1	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

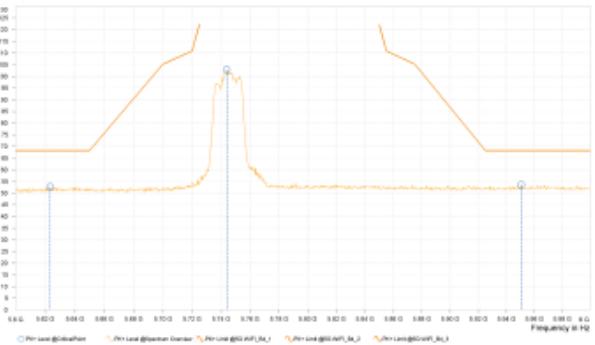
Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.623.438	52.68	68.20	15.52	4.32	V	359	2.00
12	5.743.750	102.83			4.58	V	263.6	2.00
13	5.950.500	53.57	68.20	14.63	5.49	V	7.8	2.00

CH 149

Horizontal



Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ax (20MHz)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.601.563	52.93	68.20	15.27	4.23	H	354.2	2.00
12	5.783.130	104.44			4.92	H	359.1	1.00
13	5.940.750	53.52	68.20	14.68	5.49	H	359	2.00

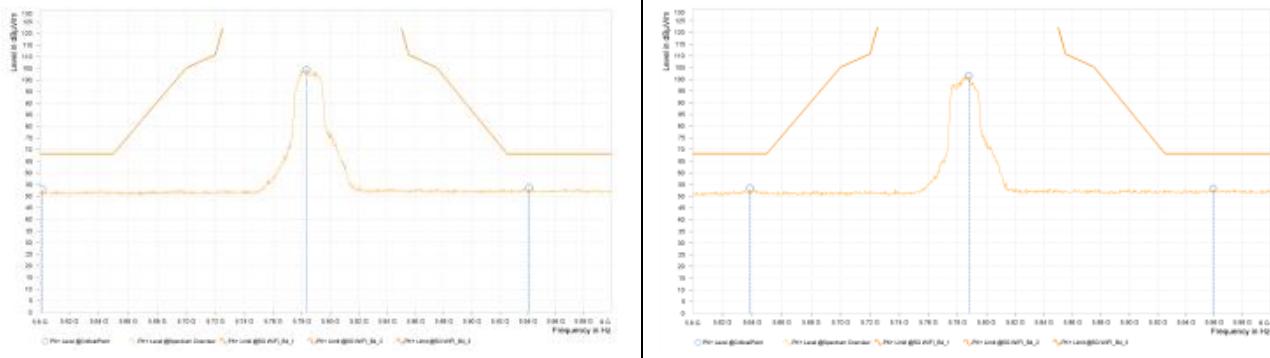
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.638.438	53.38	68.20	14.82	4.35	V	1	1.00
12	5.787.810	101.44			4.96	V	359	2.00
13	5.959.125	53.22	68.20	14.98	5.51	V	359	2.00

CH 157

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.635.938	52.45	68.20	15.75	4.35	H	1.1	2.00
12	5.823.130	105.08			5.23	H	305.5	1.00
13	5.977.500	54.07	68.20	14.13	5.65	H	14.2	2.00

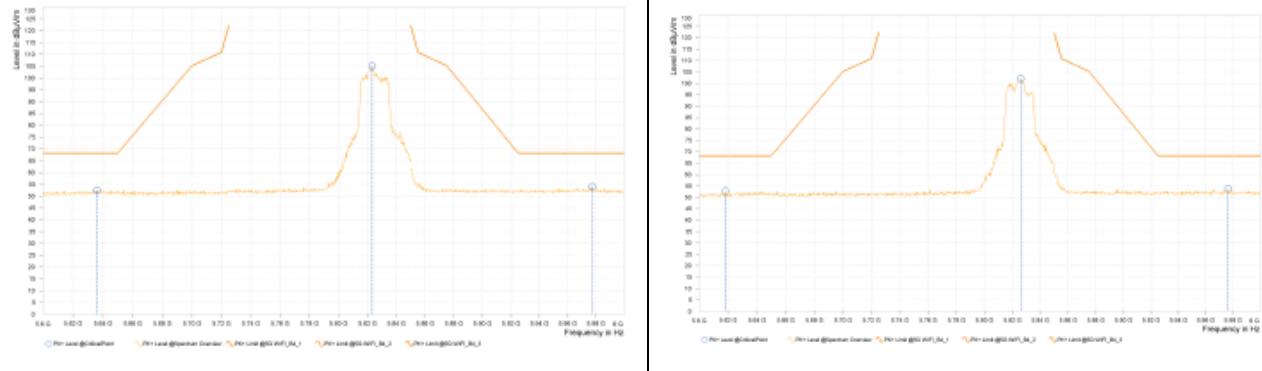
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.618.125	52.73	68.20	15.47	4.30	V	0.9	2.00
12	5.825.940	102.06			5.25	V	359	2.00
13	5.976.375	53.71	68.20	14.49	5.64	V	359	2.00

CH 165

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ax (40MHz)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.640.000	52.89	68.20	15.31	4.36	H	359.1	1.00
12	5.751.250	100.11			4.63	H	351.8	1.00
13	5.955.000	53.70	68.20	14.50	5.50	H	5	2.00

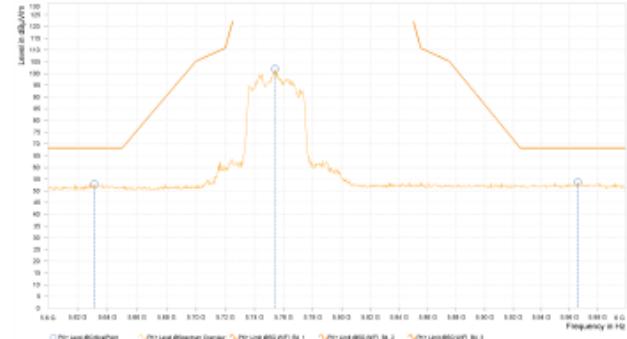
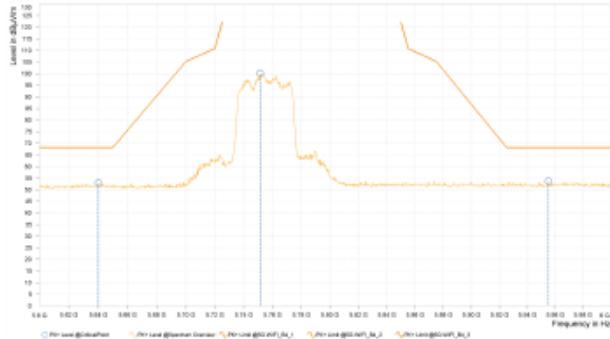
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.631.250	52.92	68.20	15.28	4.34	V	1	1.00
12	5.754.060	101.94			4.66	V	108.4	1.00
13	5.965.875	53.70	68.20	14.50	5.56	V	355.4	1.00

CH 151

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.639.688	52.80	68.20	15.40	4.35	H	5.8	1.00
12	5.788.438	99.65			4.97	H	261.2	2.00
13	5.965.125	53.10	68.20	15.10	5.55	H	5.4	2.00

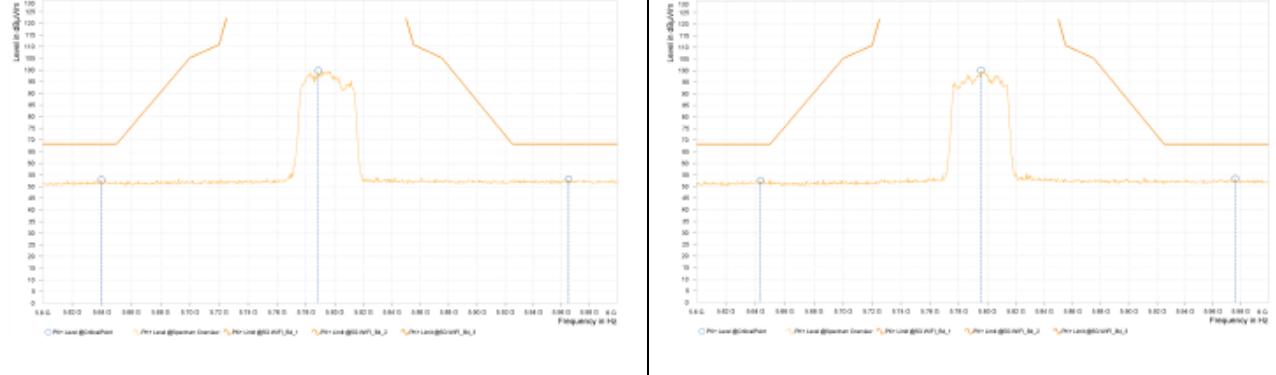
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.643.438	52.56	68.20	15.64	4.36	V	354.9	2.00
12	5.795.625	100.07			5.03	V	359	2.00
13	5.976.000	53.35	68.20	14.85	5.64	V	359	1.00

CH 159

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ax (80MHz)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.640.313	52.88	68.20	15.32	4.36	H	359	1.00
12	5.772.188	98.17			4.82	H	339.6	1.00
13	5.930.250	53.49	68.20	14.71	5.49	H	359	2.00

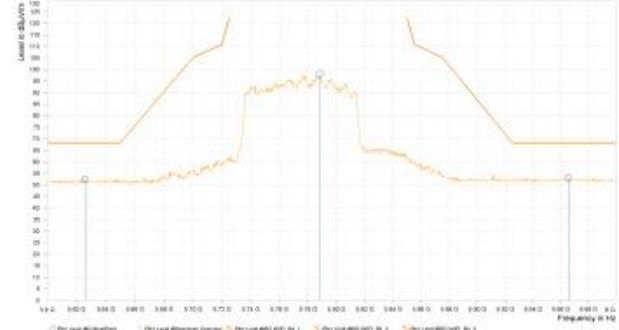
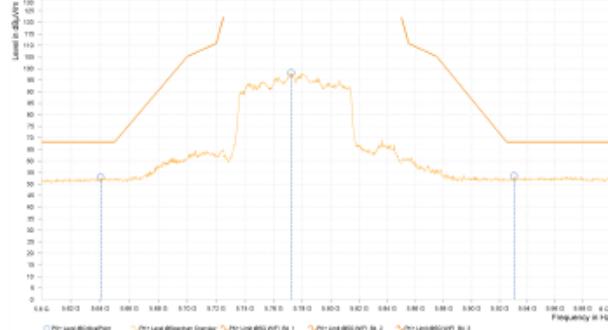
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.625.938	52.48	68.20	15.72	4.32	V	104.7	2.00
12	5.788.125	98.13			4.96	V	257.8	2.00
13	5.965.500	53.15	68.20	15.05	5.55	V	359.1	1.00

CH 155

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

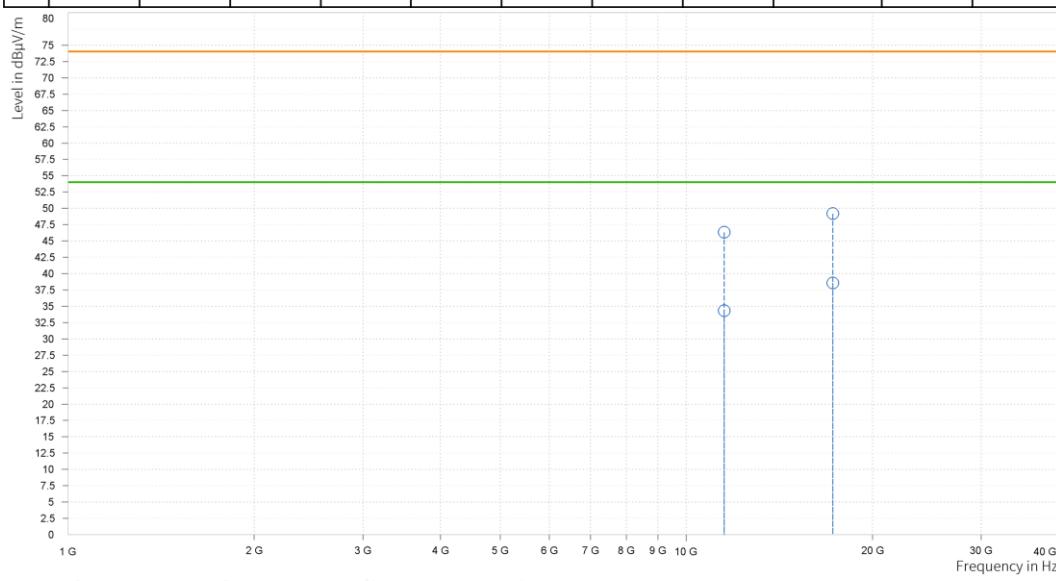
802.11n (40MHz)

Worst case harmonic:

CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	11,510.000	46.34	74.00	27.66	34.33	54.00	19.67	7.90	H	114.5	2.00
2	17,265.000	49.20	74.00	24.80	38.58	54.00	15.42	13.34	H	261.5	2.00





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	11,510.000	44.45	74.00	29.55	34.10	54.00	19.90	7.90	V	359	1.00
2	17,265.000	49.29	74.00	24.71	38.43	54.00	15.57	13.34	V	257.8	2.00



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor Margin value = Limit value – Emission Level.
2. 5755MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.



BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

5G WIFI-RU

OOBE DATA

802.11ax (20MHz) (RU26):

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

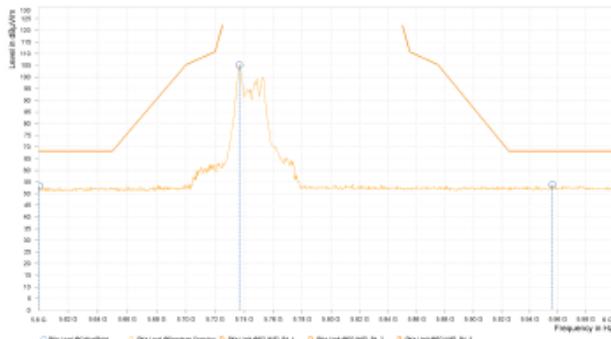
Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5,600.625	53.25	68.20	14.95	4.22	H	5.1	1.00
12	5,736.560	105.16			4.53	H	0.9	2.00
13	5,956.125	53.81	68.20	14.39	5.50	H	1	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

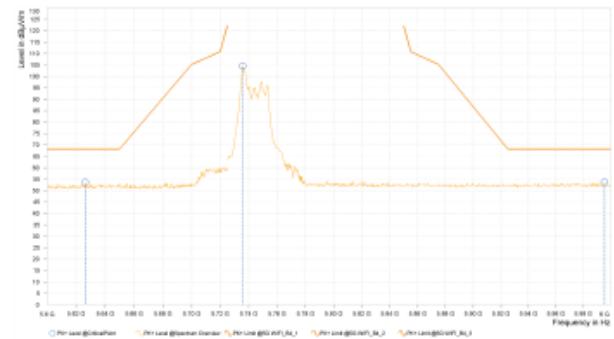
Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.626.250	53.63	68.20	14.57	4.33	V	354.9	2.00
12	5.735.625	104.58			4.52	V	359	2.00
13	5.995.500	53.69	68.20	14.51	5.80	V	1	2.00

CH 149

Horizontal



Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.638.750	53.16	68.20	15.04	4.35	H	137	2.00
12	5.784.060	110.88			4.93	H	270.9	2.00
13	5.937.375	53.92	68.20	14.28	5.49	H	182.4	2.00

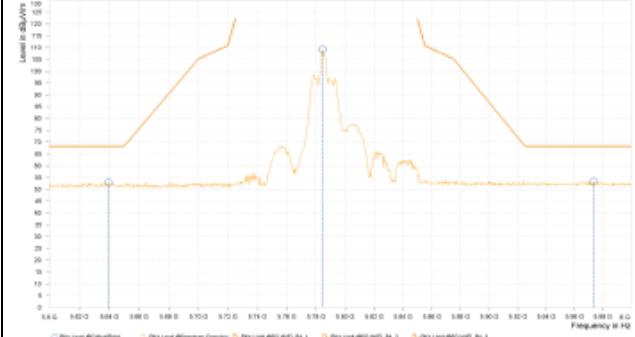
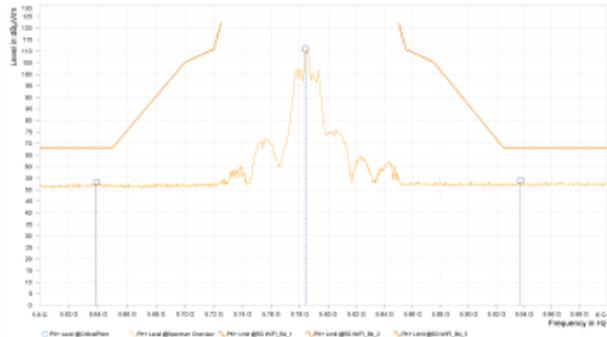
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.639.375	52.92	68.20	15.28	4.35	V	223	1.00
12	5.784.375	109.23			4.93	V	1	1.00
13	5.973.375	53.34	68.20	14.86	5.62	V	359.1	1.00

CH 157

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.639.375	53.06	68.20	15.14	4.35	H	1	1.00
12	5.833.125	108.96			5.30	H	359	2.00
13	5.926.125	54.94	68.20	13.26	5.49	H	201.5	1.00

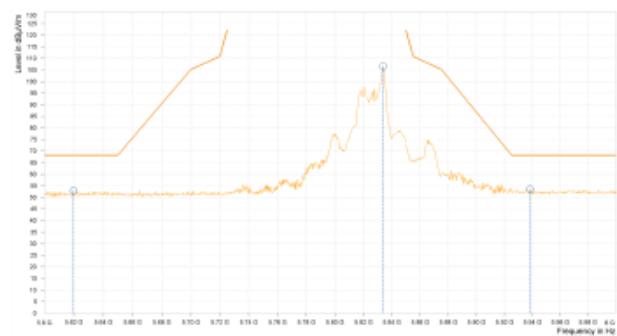
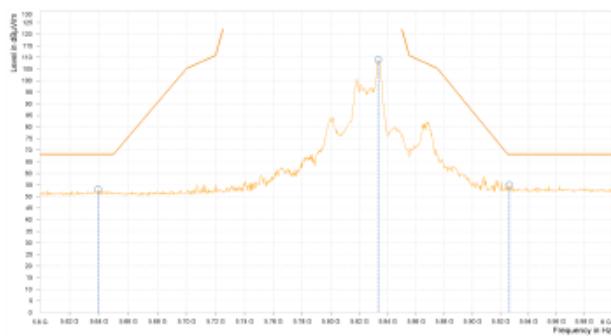
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.619.688	52.91	68.20	15.29	4.31	V	0.9	2.00
12	5.833.750	106.58			5.31	V	269.7	2.00
13	5.938.125	53.47	68.20	14.73	5.49	V	359	2.00

CH 165

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ax (20MHz) (RU52):

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

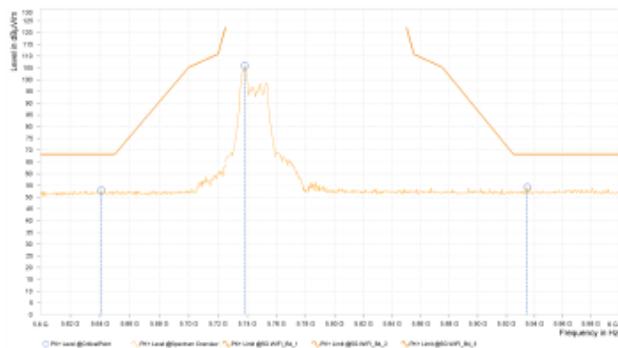
Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.640.938	52.83	68.20	15.37	4.36	H	1	1.00
12	5.738.130	105.81			4.54	H	1	1.00
13	5.934.750	54.12	68.20	14.08	5.49	H	1	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

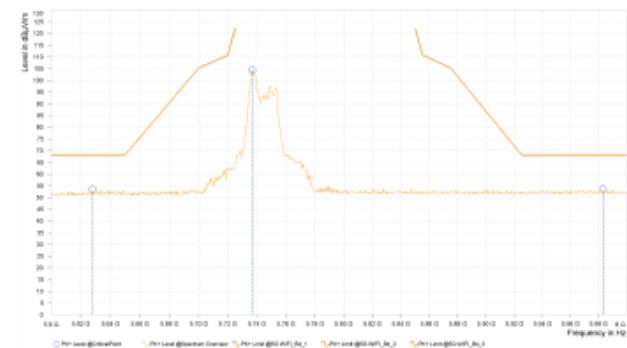
Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.627.813	53.46	68.20	14.74	4.33	V	114.3	2.00
12	5.736.560	104.40			4.53	V	1	1.00
13	5.983.125	53.53	68.20	14.67	5.70	V	359	2.00

CH 149

Horizontal



Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.618.125	55.12	68.20	13.08	4.30	H	133.4	2.00
12	5.782.500	107.00			4.91	H	83.3	2.00
13	5.968.875	54.82	68.20	13.38	5.58	H	359	1.00

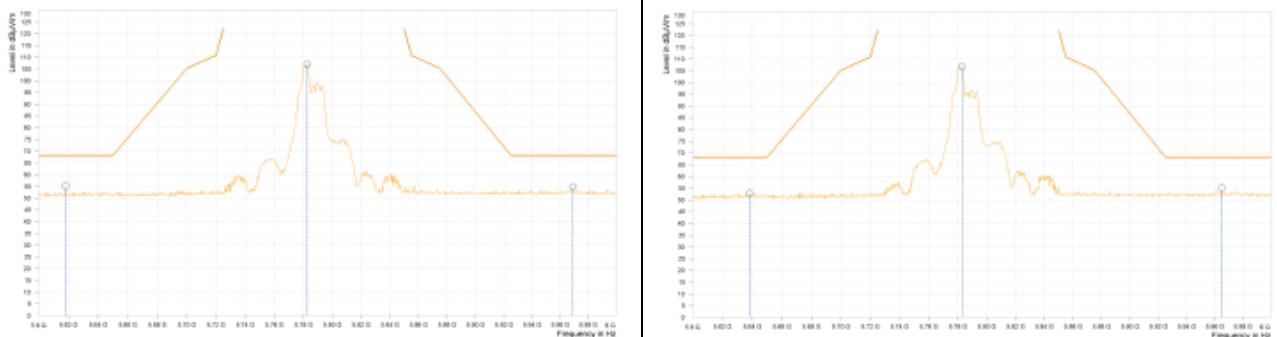
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.638.125	52.73	68.20	15.47	4.35	V	359	2.00
12	5.782.810	106.81			4.92	V	266.1	2.00
13	5.964.750	55.03	68.20	13.17	5.55	V	5.3	2.00

CH 157

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.629.063	53.15	68.20	15.05	4.33	H	355.6	2.00
12	5.832.188	107.07			5.30	H	269.7	2.00
13	5.925.000	54.54	68.20	13.66	5.49	H	1	1.00

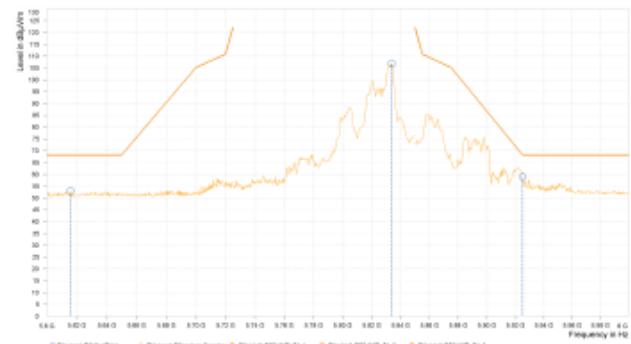
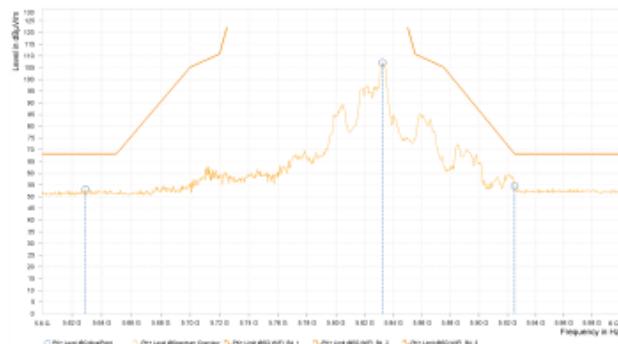
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.615.625	52.95	68.20	15.25	4.29	V	131	2.00
12	5.833.750	106.97			5.31	V	359	2.00
13	5.925.000	58.94	68.20	9.26	5.49	V	1	1.00

CH 165

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ax (20MHz) (RU106):

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5,639.375	52.76	68.20	15.44	4.35	H	5	1.00
12	5,742.500	106.23			4.57	H	92.8	1.00
13	5,979.000	53.38	68.20	14.82	5.67	H	359.1	1.00

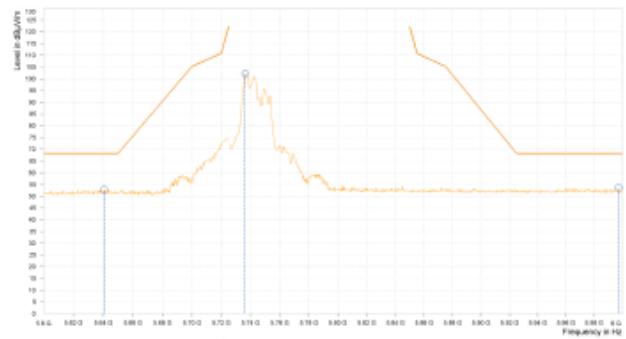
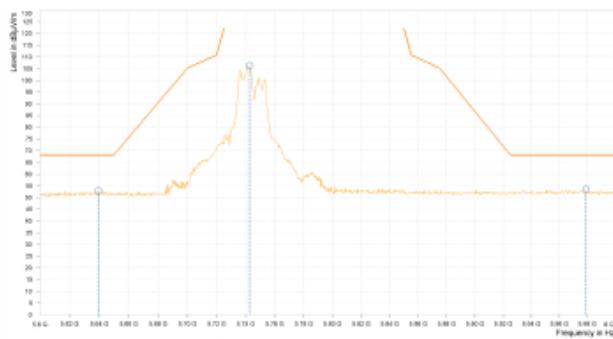
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5,640.625	52.86	68.20	15.34	4.36	V	1.6	2.00
12	5,736.250	102.21			4.52	V	359.1	1.00
13	5,997.375	53.52	68.20	14.68	5.82	V	0.9	2.00

CH 149

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

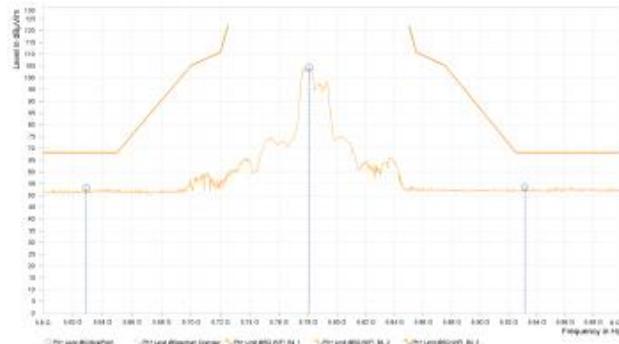
Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.629.063	53.17	68.20	15.03	4.33	H	1.8	2.00
12	5.780.630	104.28			4.90	H	0.9	2.00
13	5.931.375	53.44	68.20	14.76	5.49	H	186	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

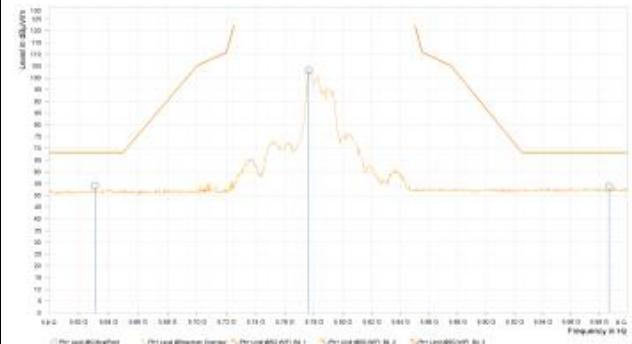
Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.630.938	54.03	68.20	14.17	4.34	V	359	1.00
12	5.776.250	103.21			4.86	V	1	2.00
13	5.986.875	53.59	68.20	14.61	5.73	V	175.2	2.00

CH 157

Horizontal



Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.600.938	52.64	68.20	15.56	4.22	H	359	2.00
12	5.834.060	106.10			5.31	H	266.1	2.00
13	5.953.875	53.48	68.20	14.72	5.50	H	359.1	1.00

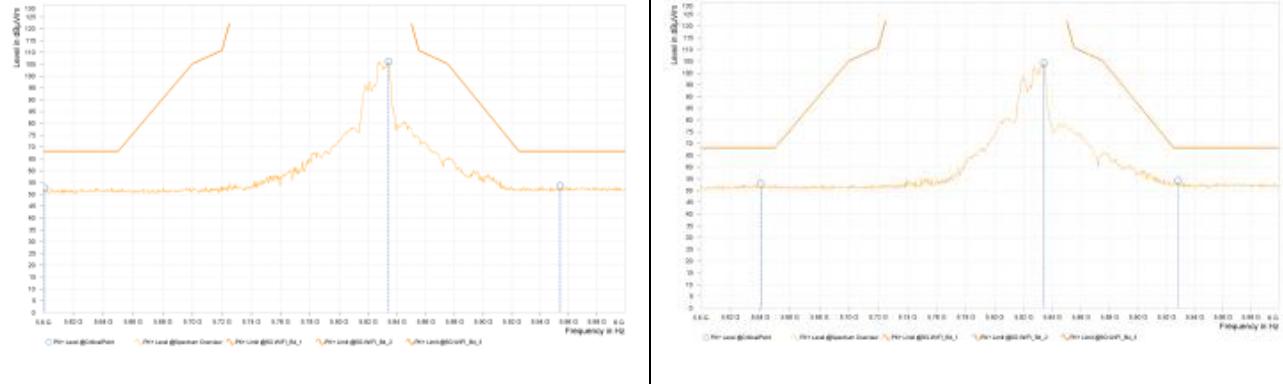
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.640.313	52.80	68.20	15.40	4.36	V	358.3	1.00
12	5.834.063	104.18			5.31	V	97.6	1.00
13	5.928.000	54.09	68.20	14.11	5.49	V	17.8	2.00

CH 165

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ax (20MHz) (RU242):

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5,649.375	53.52	68.20	14.68	4.38	H	5.1	1.00
12	5,743.440	103.72			4.57	H	89.2	1.00
13	5,958.375	53.95	68.20	14.25	5.51	H	81	2.00

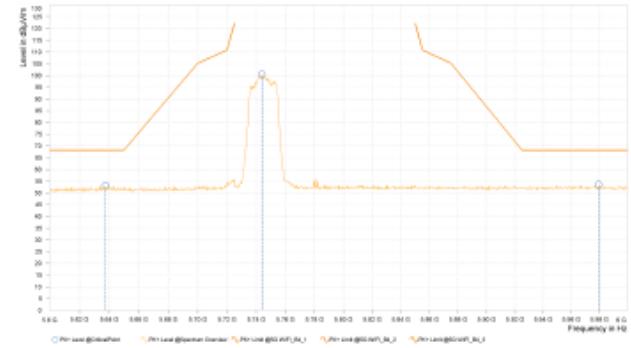
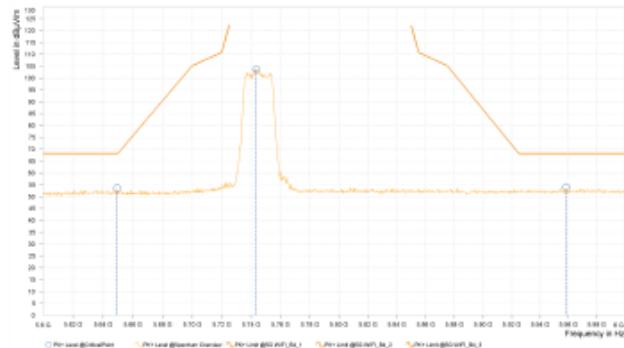
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5,637.500	53.12	68.20	15.08	4.35	V	1	2.00
12	5,743.750	100.44			4.58	V	359	2.00
13	5,979.375	53.47	68.20	14.73	5.67	V	358	1.00

CH 149

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.632.188	52.74	68.20	15.46	4.34	H	359	2.00
12	5.784.060	105.14			4.93	H	270.8	2.00
13	5.993.250	53.87	68.20	14.33	5.79	H	359	2.00

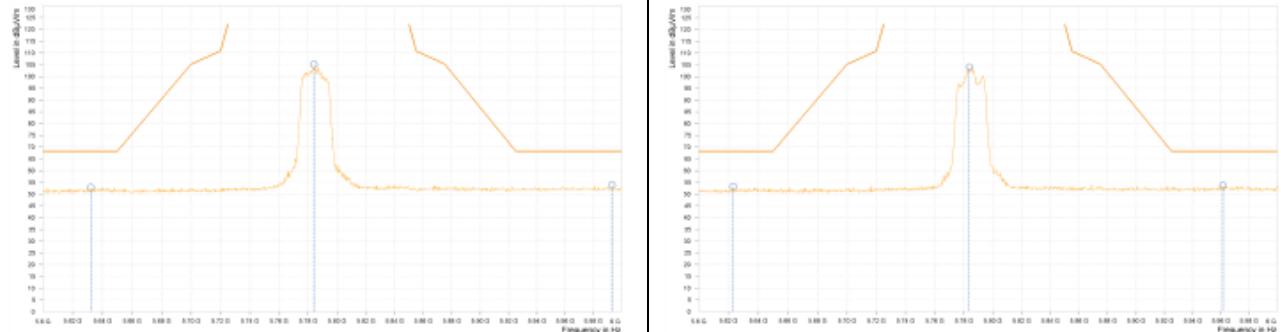
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.623.125	53.19	68.20	15.01	4.32	V	1	1.00
12	5.783.750	103.95			4.93	V	359	1.00
13	5.961.375	53.64	68.20	14.56	5.52	V	182.4	2.00

CH 157

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.600.938	53.18	68.20	15.02	4.22	H	223	1.00
12	5.826.560	102.07			5.26	H	1	1.00
13	5.981.250	54.34	68.20	13.86	5.68	H	177.6	1.00

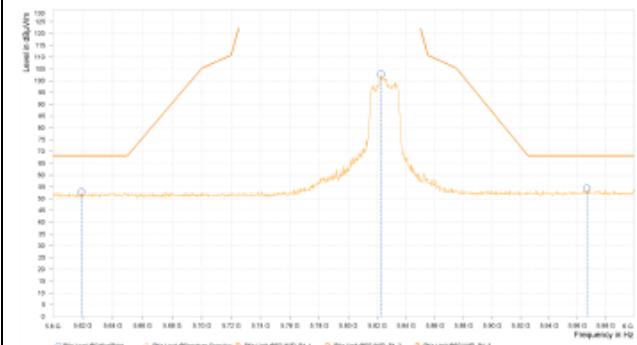
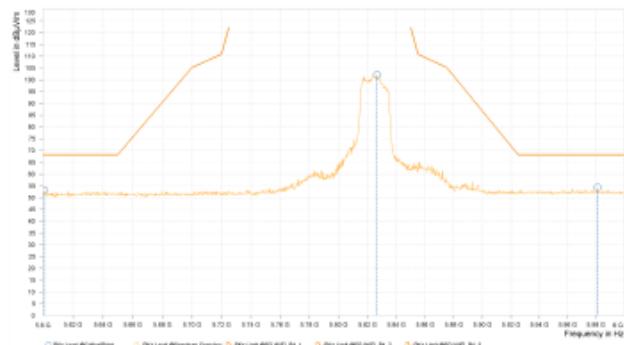
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
11	5.619.063	52.76	68.20	15.44	4.31	V	359.1	1.00
12	5.822.500	102.66			5.23	V	359.1	1.00
13	5.966.625	54.30	68.20	13.90	5.56	V	1	2.00

CH 165

Horizontal

Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ax (40MHz) (RU484):

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

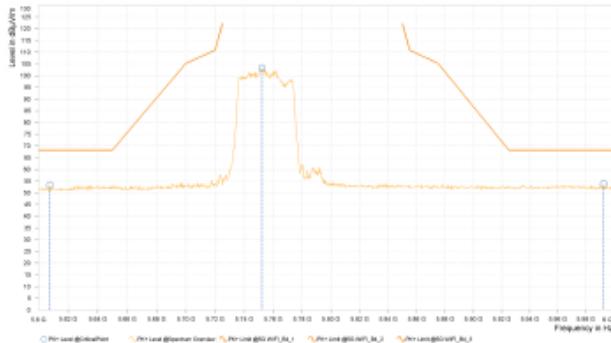
Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5.607.813	53.27	68.20	14.93	4.26	H	245.2	2.00
10	5.752.190	103.10			4.64	H	312.1	2.00
11	5.992.875	53.75	68.20	14.45	5.78	H	195	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

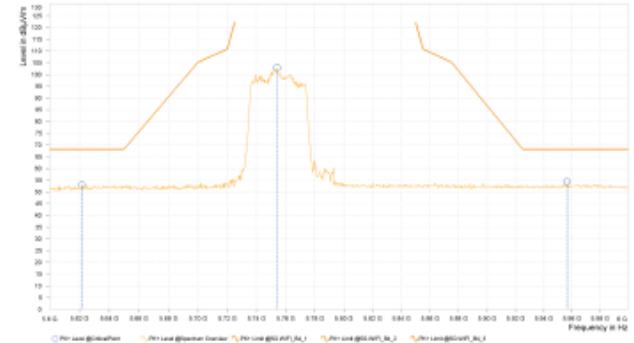
Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5.621.563	52.87	68.20	15.33	4.32	V	90.6	2.00
10	5.754.060	102.80			4.66	V	61.1	1.00
11	5.956.500	54.35	68.20	13.85	5.50	V	359.1	1.00

CH 151

Horizontal



Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

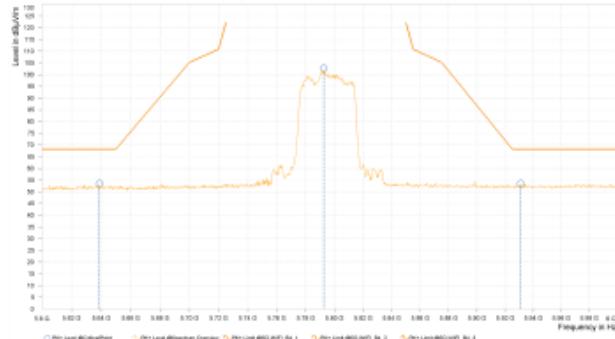
Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5.638.750	53.37	68.20	14.83	4.35	H	355.6	2.00
10	5.792.500	102.62			5.00	H	359	2.00
11	5.931.000	53.39	68.20	14.81	5.49	H	120.2	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

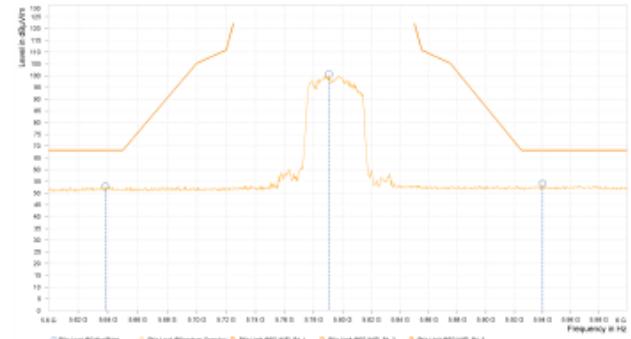
Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
9	5.638.125	52.81	68.20	15.39	4.35	V	355	2.00
10	5.790.630	100.57			4.99	V	48	1.00
11	5.940.000	54.03	68.20	14.17	5.49	V	359.1	1.00

CH 159

Horizontal



Vertical





BUREAU
VERITAS

Test Report No.: PSU-NQN2412310215RF02

802.11ax (80MHz) (RU996):

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	5.634.688	53.47	68.20	14.73	4.34	H	359.1	1.00
6	5.776.560	100.37			4.86	H	270.9	2.00
7	5.941.500	53.67	68.20	14.53	5.49	H	359	2.00

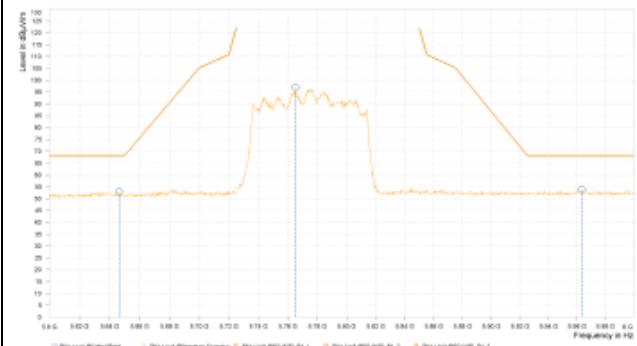
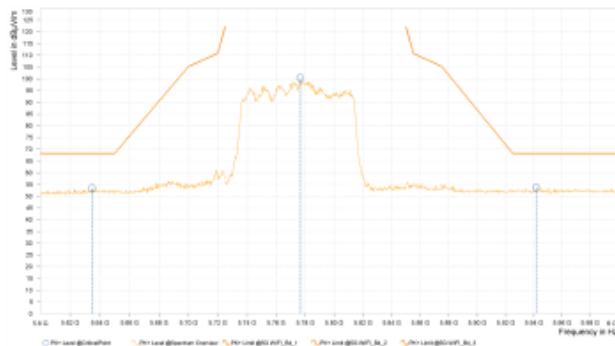
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ Limit [dB μ V/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	5.646.250	52.98	68.20	15.22	4.37	V	5	1.00
6	5.765.000	96.89			4.76	V	84.5	2.00
7	5.963.250	53.86	68.20	14.34	5.53	V	359.1	1.00

CH 155

Horizontal

Vertical





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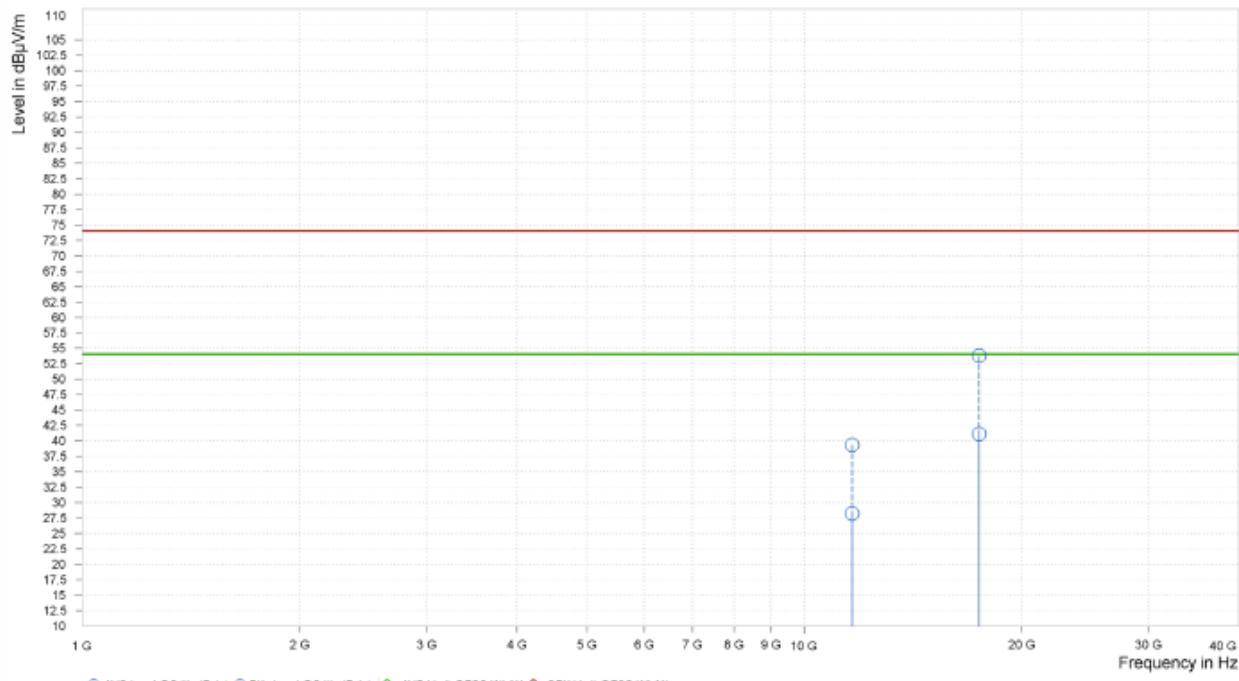
802.11ax (20MHz) (RU52):

Worst case harmonic:

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ QPK Limit [dB μ V/m]	PK+ Margin [dB]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	11,650,000	39.35	74.00	34.65	28.25	54.00	25.75	12.69	H	0.9	2.00
4	17,475,000	53.79	74.00	20.21	41.11	54.00	12.89	25.22	H	0.9	2.00



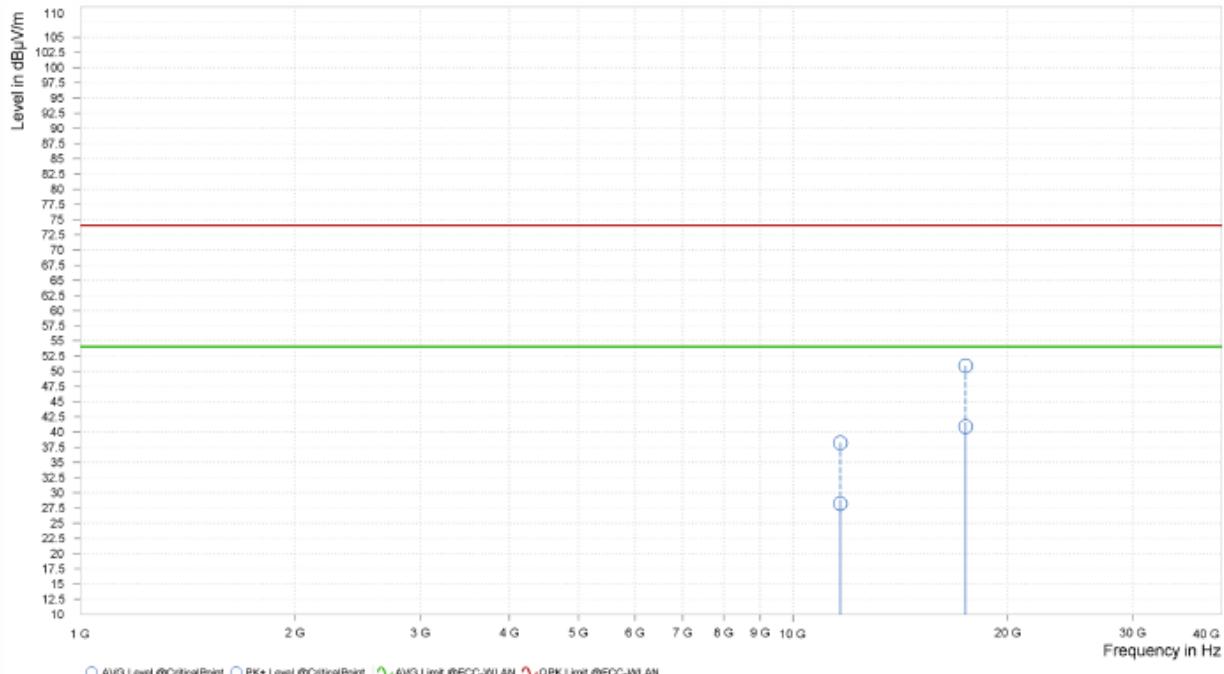


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ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dB μ V/m]	PK+ QPK Limit [dB μ V/m]	PK+ Margin [dB]	AVG Level [dB μ V/m]	AVG Limit [dB μ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	11,650.000	38.26	74.00	35.74	28.21	54.00	25.79	12.69	V	1	2.00
4	17,475.000	50.93	74.00	23.07	40.90	54.00	13.10	25.22	V	359	2.00



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value – Emission Level.
2. 5825MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.



3.2 CONDUCTED EMISSION MEASUREMENT

3.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dB μ V)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

NOTE: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.
3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

3.2.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR3	102749	Feb.25,24	EMI Test Receiver
ELEKTRA test software	Rohde&Schwarz	ELEKTRA	NA	N/A	ELEKTRA test software
LISN network	Rohde&Schwarz	ENV216	102640	Feb.17,24	LISN network
CABLE	Rohde&Schwarz	W61.01	N/A	Apr.28,24	CABLE
CABLE	Rohde&Schwarz	W61.01	N/A	Apr.27,25	CABLE
CABLE	Rohde&Schwarz	W601	N/A	Apr.28,24	CABLE

NOTE: 1. The test was performed in CE shielded room.

2. The calibration interval of the above test instruments is 12 months or 24 months and the calibrations are traceable to CEPREI/CHINA, GRRG/CHINA and NIM/CHINA.



3.2.3 TEST PROCEDURES

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE: All modes of operation were investigated and the worst-case emissions are reported.



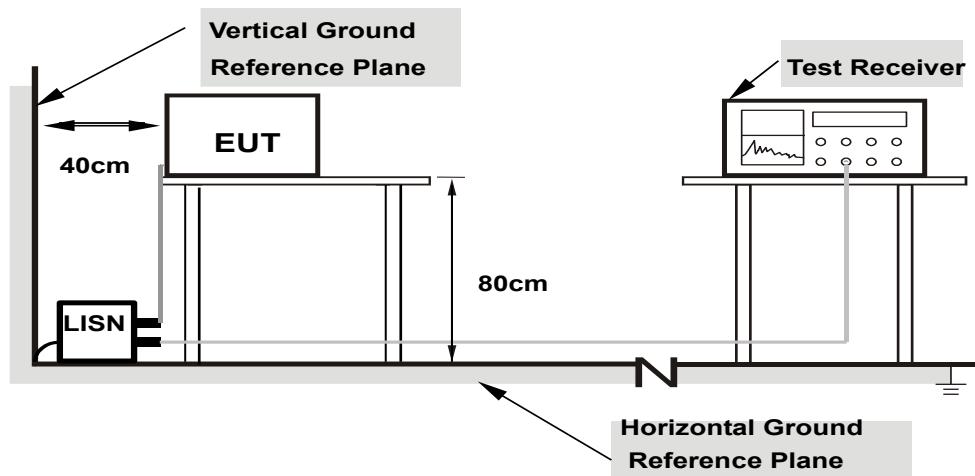
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3.2.4 DEVIATION FROM TEST STANDARD

No deviation.

3.2.5 TEST SETUP



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.2.6 EUT OPERATING CONDITIONS

Same as 3.1.7.



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3.2.7 TEST RESULTS

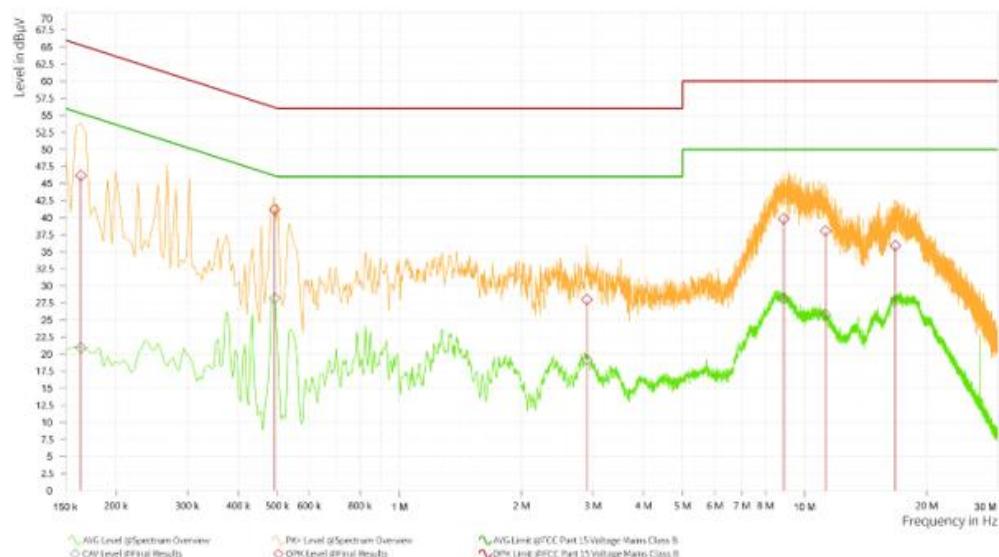
CONDUCTED WORST-CASE DATA:

Frequency Range	150KHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120Vac, 60Hz	Environmental Conditions	26deg. C, 51%RH
Tested By	Hanwen Xu		

Rg	Frequency [MHz]	QPK Level [dB μ V]	QPK Limit [dB μ V]	QPK Margin [dB]	CAV Level [dB μ V]	CAV AVG Limit [dB μ V]	CAV Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]
1	0.164	46.16	65.28	19.12	20.91	55.28	34.37	12.41	L1	9.000
1	0.492	41.18	56.13	14.95	28.19	46.13	17.94	11.75	L1	9.000
1	2.904	27.99	56.00	28.01	19.17	46.00	26.83	11.77	L1	9.000
1	8.880	39.82	60.00	20.18	28.17	50.00	21.83	11.82	L1	9.000
1	11.270	38.02	60.00	21.98	25.82	50.00	24.18	11.83	L1	9.000
1	16.742	35.90	60.00	24.10	27.72	50.00	22.28	11.85	L1	9.000

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.

2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Limit value - Emission level
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.





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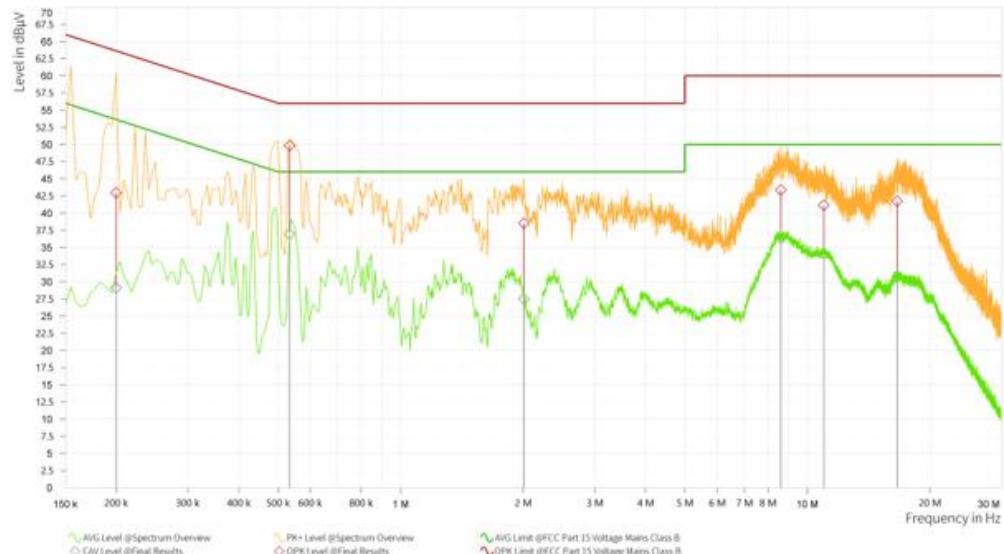
Test Report No.: PSU-NQN2412310215RF02

Frequency Range	150KHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120Vac, 60Hz	Environmental Conditions	26deg. C, 51%RH
Tested By	Hanwen Xu		

Rg	Frequency [MHz]	QPK Level [dB μ V]	QPK Limit [dB μ V]	QPK Margin [dB]	CAV Level [dB μ V]	CAV: AVG Limit [dB μ V]	CAV Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]
1	0.200	42.96	63.63	20.67	29.14	53.63	24.49	12.27	N	9.000
1	0.533	49.80	56.00	6.20	36.95	46.00	9.05	12.77	N	9.000
1	2.009	38.51	56.00	17.49	27.48	46.00	18.52	12.74	N	9.000
1	8.606	43.39	60.00	16.61	36.36	50.00	13.64	12.78	N	9.000
1	10.982	41.14	60.00	18.86	34.11	50.00	15.89	12.80	N	9.000
1	16.638	41.70	60.00	18.30	30.74	50.00	19.26	12.83	N	9.000

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.

2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Limit value - Emission level
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.





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3.3 MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

3.3.1 LIMITS OF MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

Operation Band	EUT Category		LIMIT
U-NII-1	Outdoor Access Point		1 Watt (30 dBm) (Max. e.i.r.p \leq 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
	Fixed point-to-point Access Point		1 Watt (30 dBm)
	Indoor Access Point		1 Watt (30 dBm)
	✓	Client devices	250mW (24 dBm)
U-NII-2A	✓		250mW (24 dBm) or 11 dBm+10 log B*
U-NII-2C	✓		250mW (24 dBm) or 11 dBm+10 log B*
U-NII-3	✓		1 Watt (30 dBm)

NOTE: Where B is the 26dB emission bandwidth in MHz.



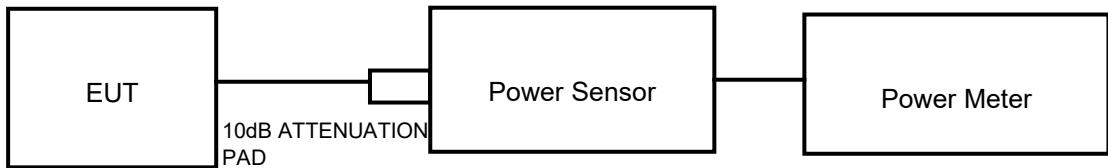
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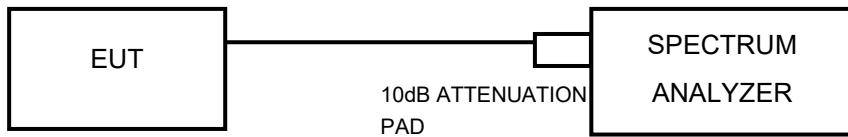
3.3.2 TEST SETUP

FOR POWER OUTPUT MEASUREMENT

802.11a, 802.11n/ac/ax (20MHz), 802.11 n/ac/ax (40MHz) ,802.11 ac/ax (160MHz) TEST CONFIGURATION



FOR 26dB BANDWIDTH





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3.3.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	R&S	ESW 44	101973	Feb.25,24	Feb.24,26
Open Switch and Control Unit	R&S	OSP-B157W 8	100836	N/A	N/A
Vector Signal Generator	R&S	SMBV100B	102176	Feb.16,24	Feb.15,26
Signal Generator	R&S	SMB100A03	182185	Feb.16,24	Feb.15,26
Wideband Radio Communication	R&S	CMW500	169399	Jun.26,22	Jun.25,24
Wideband Radio Communication	R&S	CMW500	169399	Jun.25,24	Jun.24,26
Hygrothermograph	DELI	20210528	SZ015	Sep.06,22	Sep.05,24
Hygrothermograph	DELI	20210528	SZ015	Sep.05,24	Sep.04,26
PC	LENOVO	E14	HRSW0024	N/A	N/A
CABLE	R&S	J12J103539-00-1	SEP-03-20-069	Apr.28,24	Apr.27,25
CABLE	R&S	J12J103539-00-1	SEP-03-20-069	Apr.27,25	Apr.26,26
CABLE	R&S	J12J103539-00-1	SEP-03-20-070	Apr.28,24	Apr.27,25
CABLE	R&S	J12J103539-00-1	SEP-03-20-070	Apr.27,25	Apr.26,26
Test Software	EMC32	EMC32	N/A	N/A	N/A
Temperature Chamber	votsch	VT4002	58566078100050	May.31,22	May.30,24
Temperature Chamber	votsch	VT4002	58566078100050	May.30,24	May.29,26

NOTE:

1. The calibration interval of the above test instruments is 12 months or 24 months and the calibrations are traceable to CEPREI/CHINA, GRRG/CHINA and NIM/CHINA.
2. The test was performed in RF Oven room.



3.3.4 TEST PROCEDURE

FOR POWER MEASUREMENT

For 802.11a, 802.11n/ac/ax (20MHz), 802.11 n/ac/ax (40MHz) ,802.11 ac/ax (160MHz)

Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

FOR 99 PERCENT OCCUPIED BANDWIDTH

The following procedure shall be used for measuring (99 %) power bandwidth:

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW $\geq 3 \cdot \text{RBW}$
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

FOR 26dB BANDWIDTH

- 1) Set RBW = approximately 1% of the emission bandwidth.
- 2) Set the VBW $>$ RBW.
- 3) Detector = Peak.
- 4) Trace mode = max hold.
- 5) Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

FOR 6dB BANDWIDTH



1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) \geq 3 RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

3.3.5 DEVIATION FROM TEST STANDARD

No deviation.

3.3.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.



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3.3.7 TEST RESULTS

Please Refer to Appendix B Of this test report.



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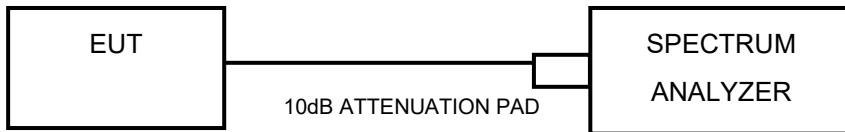
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3.4 MAXIMUM POWER SPECTRAL DENSITY MEASUREMENT

3.4.1 LIMITS OF MAXIMUM POWER SPECTRAL DENSITY MEASUREMENT

Operation Band	EUT Category		LIMIT	
U-NII-1	Outdoor Access Point		17dBm/ MHz	
	Fixed point-to-point Access Point			
	Indoor Access Point			
✓	Client devices		11dBm/ MHz	
U-NII-2A	✓		11dBm/ MHz	
U-NII-2C	✓		11dBm/ MHz	
U-NII-3	✓		30dBm/ 500kHz	

3.4.2 TEST SETUP



3.4.3 TEST INSTRUMENTS

Refer to section 3.3.3 to get information of above instrument.



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3.4.4 TEST PROCEDURES

Using method SA-2(Band1/2/3)

- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 1 MHz, Set VBW \geq 3 MHz, Detector = RMS
- 3) Set Channel power measure = 1MHz
- 4) Sweep time = auto, trigger set to “free run”.
- 5) Trace average at least 100 traces in power averaging mode.
- 6) Add $10 \log (1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission).
- 7) Record the max value

Using method SA-2 (Band4)

- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 300 kHz, Set VBW \geq 1 MHz, Detector = RMS
- 3) Set Channel power measure = 1MHz
- 4) Sweep time = auto, trigger set to “free run”.
- 5) Trace average at least 100 traces in power averaging mode.
- 6) Add $10 \log(500\text{kHz}/\text{RBW})$ to the test result. $10 \log(500\text{kHz}/300\text{KHz}) = 2.22\text{dBm}$
- 7) Add $10 \log (1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission).
- 8) Record the max value

3.4.5 DEVIATION FROM TEST STANDARD

No deviation.

3.4.6 EUT OPERATING CONDITIONS

Same as 3.1.7.



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3.4.7 TEST RESULTS

Please Refer to Appendix B Of this test report.



3.5 AUTOMATICALLY DISCONTINUE TRANSMISSION

3.5.1 LIMIT OF AUTOMATICALLY DISCONTINUE TRANSMISSION

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information, or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

3.5.2 TEST INSTRUMENTS

Refer to section 3.3.3 to get information of above instrument.

3.5.3 TEST RESULT

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.



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3.6 ANTENNA REQUIREMENTS

3.6.1 STANDARD APPLICABLE

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmits power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.6.2 ANTENNA CONNECTED CONSTRUCTION

An embedded-in antenna design is used.

3.6.3 ANTENNA GAIN

According to FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain=GANT +Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain= $10 \log(N_{ANT}/N_{SS})$ dB;

For power measurements on IEEE 802.11 devices, Array Gain = 0 dB for $N_{ANT} \leq 4$;

The EUT supports Cyclic Delay Diversity (CDD) mode,

For power measurements, the directional GANT is set equal to the antenna having the highest gain as following formulas.

Directional Gain = Max.Gain + Array Gain.

For PSD measurements, the directional GANT is calculation is following F2)f)ii of KDB 662911 D01 v02r01.

The directional gain is calculated as following table.

	Band	Ant 8 (dBi)	Ant 9 (dBi)	DG For Power (dBi)	DG For PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
5GHz	U-NII 1	2.75	3.15	3.15	5.96	0	0
	U-NII 2A	3.27	3.15	3.27	6.22	0	0.22
	U-NII 2C	5.25	3.32	5.25	7.35	0	1.35
	U-NII 3	5.25	3.32	5.25	7.35	0	1.35



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NOTE :DG= directional gain, Power Limit Reduction = DG For Power Gain -6dbi<0

PSD Limit Reduction = DG For PSD – 6dbi<0. Therefore, U-NII 1 it is not necessary to reduce maximum peak output power and PSD limit.

PSD Limit Reduction = DG For PSD – 6dbi>0. Therefore, U-NII 2A, U-NII 2C , U-NII 3, necessary to reduce maximum peak output power and PSD limit.

4 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).



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5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No modifications were made to the EUT by the lab during the test.

--END--