

TEST REPORT

802.11n40

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5150.00	56.60	40.90	74.00	17.40	PK
	H	5150.00	46.50	40.90	54.00	7.50	AV
	V	5150.00	55.70	40.90	74.00	18.30	PK
	V	5150.00	46.50	40.90	54.00	7.50	AV
	H	10380.00	37.60	-3.90	68.20	30.60	PK
	H	15570.00	50.30	-2.50	68.20	17.90	PK
	V	10380.00	39.30	-3.90	68.20	28.90	PK
	V	15570.00	52.80	-2.50	68.20	15.40	PK
H	H	5350.00	56.60	41.00	74.00	17.40	PK
	H	5350.00	46.20	41.00	54.00	7.80	AV
	V	5350.00	56.10	41.00	74.00	17.90	PK
	V	5350.00	46.40	41.00	54.00	7.60	AV
	H	10460.00	38.00	-3.80	68.20	30.20	PK
	H	15690.00	51.40	-2.60	68.20	16.80	PK
	V	10460.00	43.10	-3.80	68.20	25.10	PK
	V	15690.00	52.50	-2.60	68.20	15.70	PK

TEST REPORT

802.11AC20

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5150.00	56.70	40.90	74.00	17.30	PK
	H	5150.00	46.50	40.90	54.00	7.50	AV
	V	5150.00	55.70	40.90	74.00	18.30	PK
	V	5150.00	46.60	40.90	54.00	7.40	AV
	H	10360.00	41.50	-3.90	68.20	26.70	PK
	H	15540.00	52.30	-3.90	68.20	15.90	PK
	V	10360.00	45.10	-2.50	68.20	23.10	PK
	V	15540.00	57.90	-2.50	68.20	10.30	PK
M	H	10440.00	38.20	-3.90	68.20	30.00	PK
	H	15660.00	50.10	-2.70	68.20	18.10	PK
	V	10440.00	44.70	-3.90	68.20	23.50	PK
	V	15660.00	58.00	-2.70	68.20	10.20	PK
H	H	5350.00	56.80	41.00	74.00	17.20	PK
	H	5350.00	46.40	41.00	54.00	7.60	AV
	V	5350.00	56.20	41.00	74.00	17.80	PK
	V	5350.00	46.40	41.00	54.00	7.60	AV
	H	10480.00	47.00	-3.80	68.20	21.20	PK
	H	15720.00	57.20	-2.70	68.20	11.00	PK
	V	10480.00	47.50	-3.80	68.20	20.70	PK
	V	15720.00	58.80	-2.70	68.20	9.40	PK

TEST REPORT

802.11AC40

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5150.00	56.80	40.90	74.00	17.20	PK
	H	5150.00	46.60	40.90	54.00	7.40	AV
	V	5150.00	56.10	40.90	74.00	17.90	PK
	V	5150.00	46.70	40.90	54.00	7.30	AV
	H	10380.00	38.40	-3.90	68.20	29.80	PK
	H	15570.00	51.10	-2.50	68.20	17.10	PK
	V	10380.00	39.80	-3.90	68.20	28.40	PK
	V	15570.00	53.10	-2.50	68.20	15.10	PK
H	H	5350.00	56.80	41.00	74.00	17.20	PK
	H	5350.00	46.30	41.00	54.00	7.70	AV
	V	5350.00	56.20	41.00	74.00	17.80	PK
	V	5350.00	46.70	41.00	54.00	7.30	AV
	H	10460.00	38.30	-3.80	68.20	29.90	PK
	H	15690.00	51.60	-2.60	68.20	16.60	PK
	V	10460.00	43.70	-3.80	68.20	24.50	PK
	V	15690.00	53.10	-2.60	68.20	15.10	PK

TEST REPORT

802.11AX20

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5150.00	56.40	40.90	74.00	17.60	PK
	H	5150.00	46.40	40.90	54.00	7.60	AV
	V	5150.00	56.20	40.90	74.00	17.80	PK
	V	5150.00	46.50	40.90	54.00	7.50	AV
	H	10360.00	41.20	-3.90	68.20	27.00	PK
	H	15540.00	51.60	-3.90	68.20	16.60	PK
	V	10360.00	45.20	-2.50	68.20	23.00	PK
	V	15540.00	57.90	-2.50	68.20	10.30	PK
M	H	10440.00	37.90	-3.90	68.20	30.30	PK
	H	15660.00	49.90	-2.70	68.20	18.30	PK
	V	10440.00	44.50	-3.90	68.20	23.70	PK
	V	15660.00	57.80	-2.70	68.20	10.40	PK
H	H	5350.00	56.70	41.00	74.00	17.30	PK
	H	5350.00	46.20	41.00	54.00	7.80	AV
	V	5350.00	56.40	41.00	74.00	17.60	PK
	V	5350.00	46.70	41.00	54.00	7.30	AV
	H	10480.00	47.90	-3.80	68.20	20.30	PK
	H	15720.00	58.60	-2.70	68.20	9.60	PK
	V	10480.00	47.50	-3.80	68.20	20.70	PK
	V	15720.00	58.60	-2.70	68.20	9.60	PK

TEST REPORT

802.11AX40

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5150.00	56.70	40.90	74.00	17.30	PK
	H	5150.00	46.50	40.90	54.00	7.50	AV
	V	5150.00	55.90	40.90	74.00	18.10	PK
	V	5150.00	46.50	40.90	54.00	7.50	AV
	H	10380.00	37.40	-3.90	68.20	30.80	PK
	H	15570.00	50.20	-2.50	68.20	18.00	PK
	V	10380.00	39.20	-3.90	68.20	29.00	PK
	V	15570.00	52.80	-2.50	68.20	15.40	PK
H	H	5350.00	56.80	41.00	74.00	17.20	PK
	H	5350.00	46.30	41.00	54.00	7.70	AV
	V	5350.00	56.50	41.00	74.00	17.50	PK
	V	5350.00	46.80	41.00	54.00	7.20	AV
	H	10460.00	38.50	-3.80	68.20	29.70	PK
	H	15690.00	51.50	-2.60	68.20	16.70	PK
	V	10460.00	43.00	-3.80	68.20	25.20	PK
	V	15690.00	52.40	-2.60	68.20	15.80	PK

TEST REPORT

U-NII-3 Band:

802.11a

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	11490.00	62.30	-3.30	68.20	5.90	PK
	H	17235.00	53.50	-2.10	68.20	14.70	PK
	V	11490.00	58.40	-3.30	68.20	9.80	PK
	V	17235.00	61.50	-2.10	68.20	6.70	PK
M	H	11570.00	62.90	-3.50	68.20	5.30	PK
	H	17355.00	66.90	-1.90	68.20	1.30	PK
	V	11570.00	56.80	-3.50	68.20	11.40	PK
	V	17355.00	63.10	-1.90	68.20	5.10	PK
H	H	11650.00	59.60	-3.60	68.20	8.60	PK
	H	17475.00	64.70	-1.90	68.20	3.50	PK
	V	11650.00	59.80	-3.60	68.20	8.40	PK
	V	17475.00	66.60	-1.90	68.20	1.60	PK

802.11n20

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	11490.00	61.80	-3.30	68.20	6.40	PK
	H	17235.00	53.30	-2.10	68.20	14.90	PK
	V	11490.00	57.70	-3.30	68.20	10.50	PK
	V	17235.00	61.10	-2.10	68.20	7.10	PK
M	H	11570.00	62.70	-3.50	68.20	5.50	PK
	H	17355.00	66.70	-1.90	68.20	1.50	PK
	V	11570.00	55.40	-3.50	68.20	12.80	PK
	V	17355.00	62.50	-1.90	68.20	5.70	PK
H	H	11650.00	59.20	-3.60	68.20	9.00	PK
	H	17475.00	64.10	-1.90	68.20	4.10	PK
	V	11650.00	59.40	-3.60	68.20	8.80	PK
	V	17475.00	66.30	-1.90	68.20	1.90	PK

TEST REPORT

802.11n40

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	11510.00	60.00	-3.30	68.20	8.20	PK
	H	17265.00	64.40	-2.00	68.20	3.80	PK
	V	11510.00	53.30	-3.30	68.20	14.90	PK
	V	17265.00	59.50	-2.00	68.20	8.70	PK
H	H	11590.00	60.10	-3.60	68.20	8.10	PK
	H	17385.00	63.60	-1.90	68.20	4.60	PK
	V	11590.00	56.60	-3.60	68.20	11.60	PK
	V	17385.00	60.30	-1.90	68.20	7.90	PK

802.11AC20

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	11490.00	61.80	-3.30	68.20	6.40	PK
	H	17235.00	52.50	-2.10	68.20	15.70	PK
	V	11490.00	57.30	-3.30	68.20	10.90	PK
	V	17235.00	60.80	-2.10	68.20	7.40	PK
M	H	11570.00	62.50	-3.50	68.20	5.70	PK
	H	17355.00	64.80	-1.90	68.20	3.40	PK
	V	11570.00	56.30	-3.50	68.20	11.90	PK
	V	17355.00	62.20	-1.90	68.20	6.00	PK
H	H	11650.00	58.70	-3.60	68.20	9.50	PK
	H	17475.00	63.20	-1.90	68.20	5.00	PK
	V	11650.00	59.20	-3.60	68.20	9.00	PK
	V	17475.00	66.40	-1.90	68.20	1.80	PK

TEST REPORT

802.11AC40

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	11510.00	58.30	-3.30	68.20	9.90	PK
	H	17265.00	62.50	-2.00	68.20	5.70	PK
	V	11510.00	51.20	-3.30	68.20	17.00	PK
	V	17265.00	56.60	-2.00	68.20	11.60	PK
H	H	11590.00	58.30	-3.60	68.20	9.90	PK
	H	17385.00	59.20	-1.90	68.20	9.00	PK
	V	11590.00	54.40	-3.60	68.20	13.80	PK
	V	17385.00	56.90	-1.90	68.20	11.30	PK

802.11AX20

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	11490.00	62.10	-3.30	68.20	6.10	PK
	H	17235.00	53.20	-2.10	68.20	15.00	PK
	V	11490.00	57.60	-3.30	68.20	10.60	PK
	V	17235.00	60.30	-2.10	68.20	7.90	PK
M	H	11570.00	62.50	-3.50	68.20	5.70	PK
	H	17355.00	65.90	-1.90	68.20	2.30	PK
	V	11570.00	56.50	-3.50	68.20	11.70	PK
	V	17355.00	62.80	-1.90	68.20	5.40	PK
H	H	11650.00	59.40	-3.60	68.20	8.80	PK
	H	17475.00	64.20	-1.90	68.20	4.00	PK
	V	11650.00	58.60	-3.60	68.20	9.60	PK
	V	17475.00	65.30	-1.90	68.20	2.90	PK

TEST REPORT

802.11AX40

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	11510.00	58.60	-3.30	68.20	9.60	PK
	H	17265.00	62.70	-2.00	68.20	5.50	PK
	V	11510.00	52.40	-3.30	68.20	15.80	PK
	V	17265.00	57.70	-2.00	68.20	10.50	PK
H	H	11590.00	59.30	-3.60	68.20	8.90	PK
	H	17385.00	62.20	-1.90	68.20	6.00	PK
	V	11590.00	54.80	-3.60	68.20	13.40	PK
	V	17385.00	59.10	-1.90	68.20	9.10	PK

- Remark: 1. Correct Factor = Antenna Factor + Cable Loss (- Amplifier, for higher than 1GHz), the value was added to Original Receiver Reading by the software automatically.
 2. Corrected Reading = Original Receiver Reading + Correct Factor
 3. Margin = Limit - Corrected Reading
 4. If the PK Corrected Reading is lower than AV limit, the AV test can be elided.

Example: Assuming Antenna Factor = 30.20dB/m, Cable Loss = 2.00dB,
 Gain of Preamplifier = 32.00dB, Original Receiver Reading = 10.00dBuV,
 Limit = 40.00dBuV/m.
 Then Correct Factor = 30.20 + 2.00 – 32.00 = 0.20dB/m;
 Corrected Reading = 10dBuV + 0.20dB/m = 10.20dBuV/m;
 Margin = 40.00dBuV/m - 10.20dBuV/m = 29.80dB.

8 Power line conducted emission

Test result: Pass

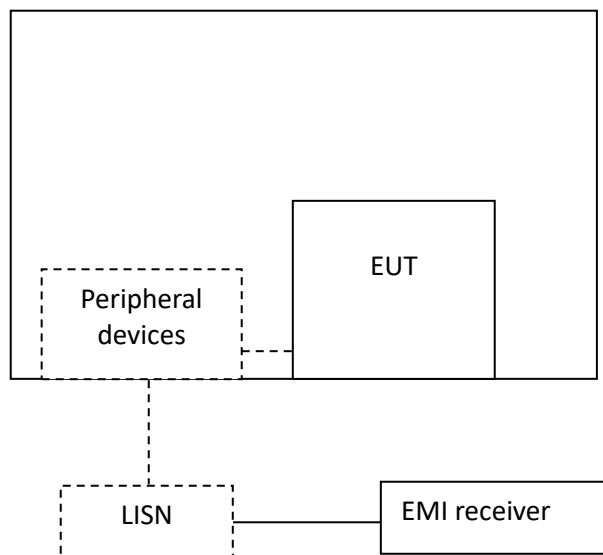
8.1 Limit

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	QP	AV
0.15-0.5	66 to 56*	56 to 46 *
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

8.2 Test Configuration

8.3



TEST REPORT**8.4 Measurement Procedure**

Measured levels of ac power-line conducted emission shall be the emission voltages from the voltage probe, where permitted, or across the 50 Ω LISN port (to which the EUT is connected), where permitted, terminated into a 50 Ω measuring instrument. All emission voltage and current measurements shall be made on each current-carrying conductor at the plug end of the EUT power cord by the use of mating plugs and receptacles on the LISN, if used. Equipment shall be tested with power cords that are normally supplied or recommended by the manufacturer and that have electrical and shielding characteristics that are the same as those cords normally supplied or recommended by the manufacturer. For those measurements using a LISN, the 50 Ω measuring port is terminated by a measuring instrument having 50 Ω input impedance. All other ports are terminated in 50 Ω loads.

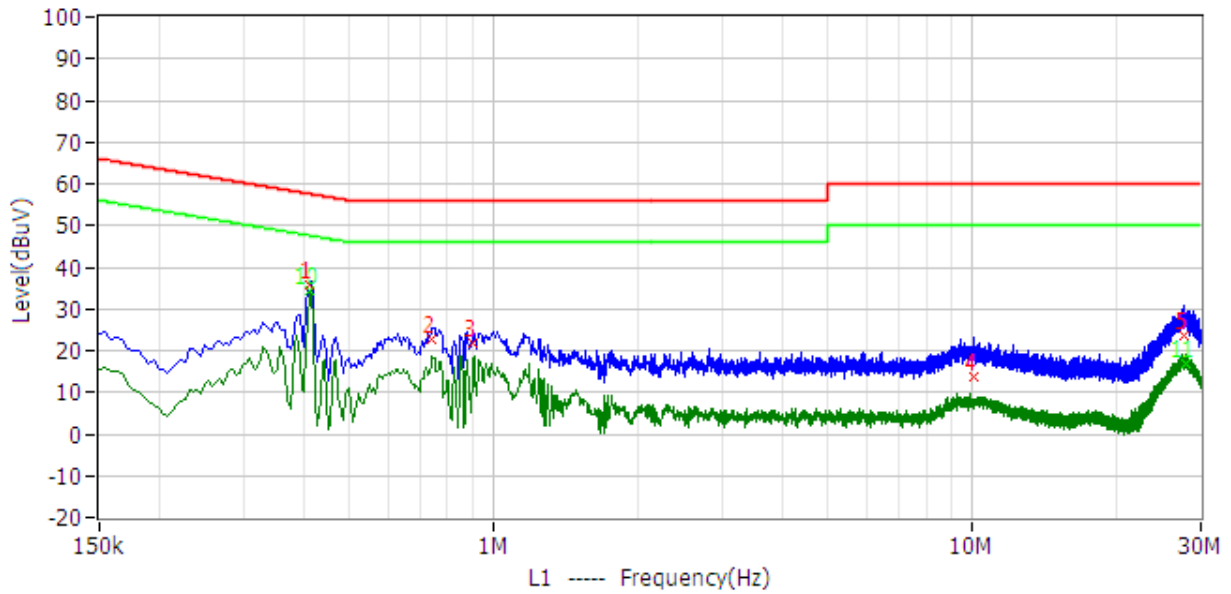
Tabletop devices shall be placed on a platform of nominal size 1 m by 1.5 m, raised 80 cm above the reference ground plane. The vertical conducting plane or wall of an RF-shielded (screened) room shall be located 40 cm to the rear of the EUT. Floor-standing devices shall be placed either directly on the reference ground-plane or on insulating material as described in ANSI C63.4. All other surfaces of tabletop or floor-standing EUTs shall be at least 80 cm from any other grounded conducting surface, including the case or cases of one or more LISNs.

The bandwidth of the test receiver is set at 9 kHz.

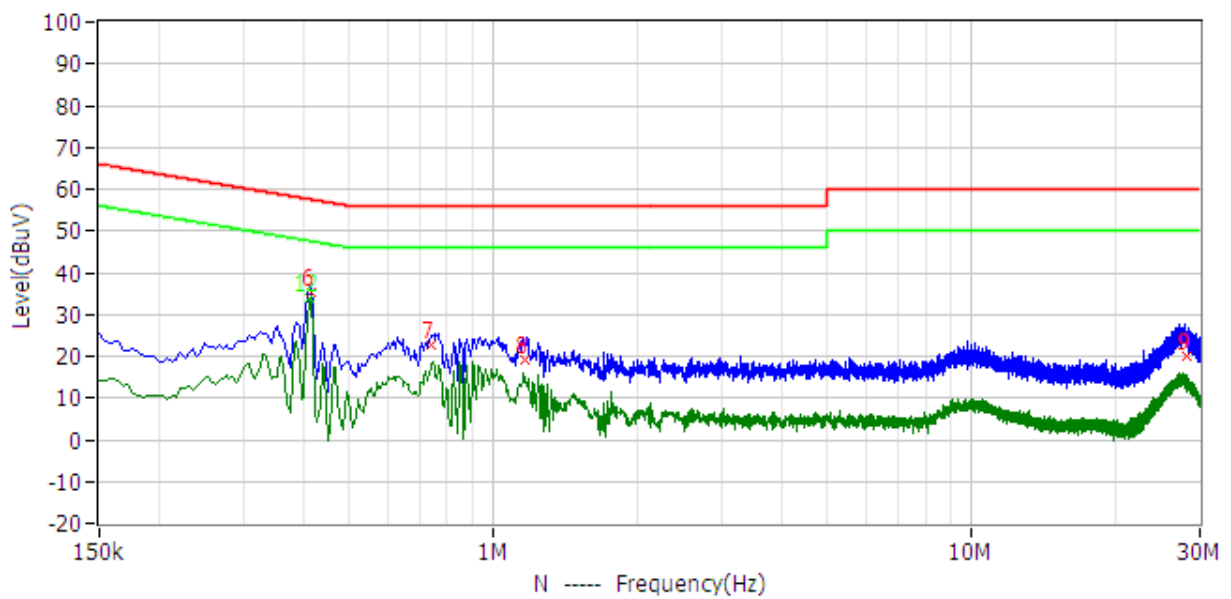
TEST REPORT

8.5 Test Results of Power line conducted emission

L Line



N Line



Test Data:

No.	Frequency	Limit dB μ V	Level dB μ V	Delta dB	Reading dB μ V	Factor dB	Detector	Phase
1	411.000kHz	57.6	35.6	-22.0	25.3	10.3	QP	L1
2	744.000kHz	56.0	22.5	-33.5	12.2	10.3	QP	L1
3	901.500kHz	56.0	21.8	-34.2	11.5	10.3	QP	L1
4	10.059MHz	60.0	13.8	-46.2	3.2	10.6	QP	L1

TEST REPORT

No.	Frequency	Limit dB μ V	Level dB μ V	Delta dB	Reading dB μ V	Factor dB	Detector	Phase
5	27.704MHz	60.0	23.6	-36.4	12.5	11.1	QP	L1
6	415.500kHz	57.5	35.3	-22.2	25.0	10.3	QP	N
7	744.000kHz	56.0	22.5	-33.5	12.2	10.3	QP	N
8	1.167MHz	56.0	18.9	-37.1	8.6	10.3	QP	N
9	28.100MHz	60.0	19.8	-40.2	8.9	10.9	QP	N
10	411.000kHz	47.6	34.4	-13.2	24.1	10.3	CAV	L1
11	27.798MHz	50.0	16.8	-33.2	5.7	11.1	CAV	L1
12	411.000kHz	47.6	33.9	-13.7	23.6	10.3	CAV	N

Remark: 1. Factor = LISN Factor + Cable Loss, the value was added to Original Receiver Reading by the software automatically.

2. Level = Reading + Factor

3. Margin = Limit - Level

4. If the PK Corrected Reading is lower than AV limit, the AV test can be elided.

9 Frequency Stability

Test result: Pass

9.1 Limit

The frequency stability shall be sufficient to ensure that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

9.2 Test Result

Frequency Error - Temperature Variation

TestMode	Antenna	Frequency [MHz]	Temperature				Limit (ppm)	Verdict		
			Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)				
11A	Ant1	5180	NV	-30	-40000.00	-7.722008	20	PASS		
			NV	-20	-40000.00	-7.722008	20	PASS		
			NV	-10	-40000.00	-7.722008	20	PASS		
			NV	0	-20000.00	-3.861004	20	PASS		
			NV	10	-40000.00	-7.722008	20	PASS		
			NV	20	-40000.00	-7.722008	20	PASS		
			NV	30	-40000.00	-7.722008	20	PASS		
			NV	40	-40000.00	-7.722008	20	PASS		
		5200	NV	50	-40000.00	-7.722008	20	PASS		
			NV	-30	-20000.00	-3.846154	20	PASS		
			NV	-20	-20000.00	-3.846154	20	PASS		
			NV	-10	-40000.00	-7.692308	20	PASS		
			NV	0	-40000.00	-7.692308	20	PASS		
			NV	10	-40000.00	-7.692308	20	PASS		
			NV	20	-40000.00	-7.692308	20	PASS		
			NV	30	-20000.00	-3.846154	20	PASS		
		5240	NV	40	-40000.00	-7.692308	20	PASS		
			NV	50	-20000.00	-3.846154	20	PASS		
			NV	-30	-60000.00	-11.450382	20	PASS		
			NV	-20	-40000.00	-7.633588	20	PASS		
			NV	-10	-20000.00	-3.816794	20	PASS		
			NV	0	-20000.00	-3.816794	20	PASS		
			NV	10	-60000.00	-11.450382	20	PASS		
			NV	20	-40000.00	-7.633588	20	PASS		
		5745	NV	30	-60000.00	-11.450382	20	PASS		
			NV	40	-40000.00	-7.633588	20	PASS		
			NV	50	-60000.00	-11.450382	20	PASS		
			NV	-30	-60000.00	-10.443864	20	PASS		
			NV	-20	-40000.00	-6.962576	20	PASS		
					NV	-10	-40000.00	-6.962576	20	PASS

TEST REPORT

		5785	NV	0	-60000.00	-10.443864	20	PASS
			NV	10	-20000.00	-3.481288	20	PASS
			NV	20	-40000.00	-6.962576	20	PASS
			NV	30	-40000.00	-6.962576	20	PASS
			NV	40	-60000.00	-10.443864	20	PASS
			NV	50	-60000.00	-10.443864	20	PASS
			NV	-30	-40000.00	-6.914434	20	PASS
			NV	-20	-60000.00	-10.371651	20	PASS
			NV	-10	-60000.00	-10.371651	20	PASS
			NV	0	-40000.00	-6.914434	20	PASS
			NV	10	-40000.00	-6.914434	20	PASS
			NV	20	-60000.00	-10.371651	20	PASS
			NV	30	-60000.00	-10.371651	20	PASS
			NV	40	-40000.00	-6.914434	20	PASS
		NV	50	-40000.00	-6.914434	20	PASS	
		5825	NV	-30	-60000.00	-10.300429	20	PASS
			NV	-20	-60000.00	-10.300429	20	PASS
			NV	-10	-40000.00	-6.866953	20	PASS
			NV	0	-40000.00	-6.866953	20	PASS
			NV	10	-40000.00	-6.866953	20	PASS
			NV	20	-20000.00	-3.433476	20	PASS
			NV	30	-40000.00	-6.866953	20	PASS
			NV	40	-40000.00	-6.866953	20	PASS
		NV	50	-40000.00	-6.866953	20	PASS	
		5180	NV	-30	-20000.00	-3.861004	20	PASS
			NV	-20	-40000.00	-7.722008	20	PASS
			NV	-10	-40000.00	-7.722008	20	PASS
			NV	0	-40000.00	-7.722008	20	PASS
			NV	10	-40000.00	-7.722008	20	PASS
			NV	20	-40000.00	-7.722008	20	PASS
			NV	30	-40000.00	-7.722008	20	PASS
			NV	40	-40000.00	-7.722008	20	PASS
NV	50		-20000.00	-3.861004	20	PASS		
5200	NV		-30	-20000.00	-3.846154	20	PASS	
	NV		-20	-40000.00	-7.692308	20	PASS	
	NV		-10	-20000.00	-3.846154	20	PASS	
	NV		0	-20000.00	-3.846154	20	PASS	
	NV		10	-20000.00	-3.846154	20	PASS	
	NV	20	-40000.00	-7.692308	20	PASS		
	NV	30	-20000.00	-3.846154	20	PASS		
	NV	40	-40000.00	-7.692308	20	PASS		
NV	50	-40000.00	-7.692308	20	PASS			
5240	NV	-30	-40000.00	-7.633588	20	PASS		
	NV	-20	-40000.00	-7.633588	20	PASS		
	NV	-10	-20000.00	-3.816794	20	PASS		
	NV	0	-40000.00	-7.633588	20	PASS		
	NV	10	-20000.00	-3.816794	20	PASS		

TEST REPORT

			NV	20	-20000.00	-3.816794	20	PASS		
			NV	30	-20000.00	-3.816794	20	PASS		
			NV	40	-20000.00	-3.816794	20	PASS		
			NV	50	-40000.00	-7.633588	20	PASS		
		5745	NV	-30	-40000.00	-6.962576	20	PASS		
			NV	-20	-40000.00	-6.962576	20	PASS		
			NV	-10	-40000.00	-6.962576	20	PASS		
			NV	0	-40000.00	-6.962576	20	PASS		
			NV	10	-40000.00	-6.962576	20	PASS		
			NV	20	-40000.00	-6.962576	20	PASS		
			NV	30	-40000.00	-6.962576	20	PASS		
			NV	40	-40000.00	-6.962576	20	PASS		
			NV	50	-40000.00	-6.962576	20	PASS		
			5785	NV	-30	-40000.00	-6.914434	20	PASS	
		NV		-20	-20000.00	-3.457217	20	PASS		
		NV		-10	-20000.00	-3.457217	20	PASS		
		NV		0	-40000.00	-6.914434	20	PASS		
		NV		10	-40000.00	-6.914434	20	PASS		
		NV		20	-40000.00	-6.914434	20	PASS		
		NV		30	-40000.00	-6.914434	20	PASS		
		NV		40	-40000.00	-6.914434	20	PASS		
		5825	NV	50	-40000.00	-6.914434	20	PASS		
			NV	-30	-20000.00	-3.433476	20	PASS		
			NV	-20	-40000.00	-6.866953	20	PASS		
			NV	-10	-20000.00	-3.433476	20	PASS		
			NV	0	-40000.00	-6.866953	20	PASS		
			NV	10	-40000.00	-6.866953	20	PASS		
			NV	20	-20000.00	-3.433476	20	PASS		
			NV	30	-40000.00	-6.866953	20	PASS		
		11N40SIS O	Ant1	5190	NV	40	-40000.00	-6.866953	20	PASS
					NV	50	-40000.00	-6.866953	20	PASS
					NV	-30	0.00	0.000000	20	PASS
					NV	-20	-40000.00	-7.707129	20	PASS
					NV	-10	-40000.00	-7.707129	20	PASS
					NV	0	-40000.00	-7.707129	20	PASS
					NV	10	-40000.00	-7.707129	20	PASS
NV	20				-40000.00	-7.707129	20	PASS		
5230	NV			30	-40000.00	-7.707129	20	PASS		
	NV			40	-40000.00	-7.707129	20	PASS		
	NV			50	-40000.00	-7.707129	20	PASS		
	NV			30	-40000.00	-7.648184	20	PASS		
NV	-20	-40000.00	-7.648184	20	PASS					
NV	-10	-40000.00	-7.648184	20	PASS					
NV	0	-40000.00	-7.648184	20	PASS					
NV	10	-40000.00	-7.648184	20	PASS					
NV	20	-40000.00	-7.648184	20	PASS					
NV	30	-40000.00	-7.648184	20	PASS					

TEST REPORT

			NV	40	-40000.00	-7.648184	20	PASS
			NV	50	-40000.00	-7.648184	20	PASS
		5755	NV	-30	-40000.00	-6.950478	20	PASS
			NV	-20	-40000.00	-6.950478	20	PASS
			NV	-10	-40000.00	-6.950478	20	PASS
			NV	0	-40000.00	-6.950478	20	PASS
			NV	10	-40000.00	-6.950478	20	PASS
			NV	20	-40000.00	-6.950478	20	PASS
			NV	30	-40000.00	-6.950478	20	PASS
			NV	40	-40000.00	-6.950478	20	PASS
			NV	50	-40000.00	-6.950478	20	PASS
			5795	NV	-30	-40000.00	-6.902502	20
		NV		-20	-40000.00	-6.902502	20	PASS
		NV		-10	-40000.00	-6.902502	20	PASS
		NV		0	-40000.00	-6.902502	20	PASS
		NV		10	-40000.00	-6.902502	20	PASS
		NV		20	-40000.00	-6.902502	20	PASS
		NV		30	-40000.00	-6.902502	20	PASS
		NV		40	-40000.00	-6.902502	20	PASS
		11AC20SI SO	Ant1	5180	NV	-30	-40000.00	-7.722008
NV	-20				-20000.00	-3.861004	20	PASS
NV	-10				-20000.00	-3.861004	20	PASS
NV	0				-40000.00	-7.722008	20	PASS
NV	10				-40000.00	-7.722008	20	PASS
NV	20				-40000.00	-7.722008	20	PASS
NV	30				-40000.00	-7.722008	20	PASS
NV	40				-20000.00	-3.861004	20	PASS
NV	50				-40000.00	-7.722008	20	PASS
5200	NV				-30	-40000.00	-7.692308	20
	NV			-20	-40000.00	-7.692308	20	PASS
	NV			-10	-20000.00	-3.846154	20	PASS
	NV			0	-20000.00	-3.846154	20	PASS
	NV			10	-40000.00	-7.692308	20	PASS
	NV			20	-20000.00	-3.846154	20	PASS
	NV			30	-40000.00	-7.692308	20	PASS
	NV			40	-20000.00	-3.846154	20	PASS
5240	NV			50	-40000.00	-7.692308	20	PASS
	NV			-30	-60000.00	-11.450382	20	PASS
	NV			-20	-20000.00	-3.816794	20	PASS
	NV	-10	-20000.00	-3.816794	20	PASS		
	NV	0	-20000.00	-3.816794	20	PASS		
	NV	10	-40000.00	-7.633588	20	PASS		
	NV	20	-40000.00	-7.633588	20	PASS		
	NV	30	-20000.00	-3.816794	20	PASS		
NV	40	-20000.00	-3.816794	20	PASS			
NV	50	-40000.00	-7.633588	20	PASS			

TEST REPORT

		5745	NV	-30	-40000.00	-6.962576	20	PASS		
			NV	-20	-40000.00	-6.962576	20	PASS		
			NV	-10	-40000.00	-6.962576	20	PASS		
			NV	0	-40000.00	-6.962576	20	PASS		
			NV	10	-20000.00	-3.481288	20	PASS		
			NV	20	-40000.00	-6.962576	20	PASS		
			NV	30	-40000.00	-6.962576	20	PASS		
			NV	40	-40000.00	-6.962576	20	PASS		
			NV	50	-40000.00	-6.962576	20	PASS		
		5785	NV	-30	-40000.00	-6.914434	20	PASS		
			NV	-20	-40000.00	-6.914434	20	PASS		
			NV	-10	-60000.00	-10.371651	20	PASS		
			NV	0	-20000.00	-3.457217	20	PASS		
			NV	10	-40000.00	-6.914434	20	PASS		
			NV	20	-40000.00	-6.914434	20	PASS		
			NV	30	-20000.00	-3.457217	20	PASS		
			NV	40	-40000.00	-6.914434	20	PASS		
		5825	NV	50	-40000.00	-6.914434	20	PASS		
			NV	-30	-40000.00	-6.866953	20	PASS		
			NV	-20	-20000.00	-3.433476	20	PASS		
			NV	-10	-40000.00	-6.866953	20	PASS		
			NV	0	0.00	0.000000	20	PASS		
			NV	10	-20000.00	-3.433476	20	PASS		
			NV	20	-40000.00	-6.866953	20	PASS		
			NV	30	-20000.00	-3.433476	20	PASS		
		11AC40SI SO	Ant1	5190	NV	40	-40000.00	-6.866953	20	PASS
					NV	50	-40000.00	-6.866953	20	PASS
					NV	-30	-40000.00	-7.707129	20	PASS
					NV	-20	0.00	0.000000	20	PASS
					NV	-10	-40000.00	-7.707129	20	PASS
					NV	0	-40000.00	-7.707129	20	PASS
					NV	10	0.00	0.000000	20	PASS
NV	20				-40000.00	-7.707129	20	PASS		
5230	NV			30	0.00	0.000000	20	PASS		
	NV			40	-40000.00	-7.707129	20	PASS		
	NV			50	-40000.00	-7.707129	20	PASS		
	NV			-30	-40000.00	-7.648184	20	PASS		
	NV			-20	-40000.00	-7.648184	20	PASS		
	NV			-10	-40000.00	-7.648184	20	PASS		
	NV			0	-40000.00	-7.648184	20	PASS		
	NV			10	-40000.00	-7.648184	20	PASS		
5755	NV	20	-40000.00	-7.648184	20	PASS				
	NV	30	-40000.00	-7.648184	20	PASS				
	NV	40	-40000.00	-7.648184	20	PASS				
	NV	50	-40000.00	-7.648184	20	PASS				
			NV	-30	-40000.00	-6.950478	20	PASS		
			NV	-20	-40000.00	-6.950478	20	PASS		

TEST REPORT

			NV	-10	-40000.00	-6.950478	20	PASS
			NV	0	-40000.00	-6.950478	20	PASS
			NV	10	-40000.00	-6.950478	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-6.950478	20	PASS
			NV	40	-40000.00	-6.950478	20	PASS
			NV	50	-40000.00	-6.950478	20	PASS
		5795	NV	-30	-40000.00	-6.902502	20	PASS
			NV	-20	-40000.00	-6.902502	20	PASS
			NV	-10	-40000.00	-6.902502	20	PASS
			NV	0	-40000.00	-6.902502	20	PASS
			NV	10	-40000.00	-6.902502	20	PASS
			NV	20	-40000.00	-6.902502	20	PASS
			NV	30	-40000.00	-6.902502	20	PASS
			NV	40	-40000.00	-6.902502	20	PASS
			NV	50	-40000.00	-6.902502	20	PASS
			11AX20SI SO	Ant1	5180	NV	-30	-20000.00
NV	-20	-20000.00				-3.861004	20	PASS
NV	-10	-20000.00				-3.861004	20	PASS
NV	0	-20000.00				-3.861004	20	PASS
NV	10	-20000.00				-3.861004	20	PASS
NV	20	-20000.00				-3.861004	20	PASS
NV	30	-20000.00				-3.861004	20	PASS
NV	40	-20000.00				-3.861004	20	PASS
5200	NV	-30			-40000.00	-7.692308	20	PASS
	NV	-20			-20000.00	-3.846154	20	PASS
	NV	-10			-20000.00	-3.846154	20	PASS
	NV	0			-40000.00	-7.692308	20	PASS
	NV	10			-20000.00	-3.846154	20	PASS
	NV	20			-20000.00	-3.846154	20	PASS
	NV	30			-20000.00	-3.846154	20	PASS
	NV	40			-40000.00	-7.692308	20	PASS
5240	NV	-30			-40000.00	-7.633588	20	PASS
	NV	-20			-20000.00	-3.816794	20	PASS
	NV	-10			-40000.00	-7.633588	20	PASS
	NV	0			-20000.00	-3.816794	20	PASS
	NV	10			-20000.00	-3.816794	20	PASS
	NV	20			-20000.00	-3.816794	20	PASS
	NV	30			-40000.00	-7.633588	20	PASS
	NV	40			-20000.00	-3.816794	20	PASS
5745	NV	-30			-40000.00	-6.962576	20	PASS
	NV	-20			-20000.00	-3.481288	20	PASS
	NV	-10			-40000.00	-6.962576	20	PASS
	NV	0			-40000.00	-6.962576	20	PASS

TEST REPORT

			NV	10	-20000.00	-3.481288	20	PASS		
			NV	20	-40000.00	-6.962576	20	PASS		
			NV	30	-40000.00	-6.962576	20	PASS		
			NV	40	-20000.00	-3.481288	20	PASS		
			NV	50	-40000.00	-6.962576	20	PASS		
			5785	NV	-30	-40000.00	-6.914434	20	PASS	
				NV	-20	-40000.00	-6.914434	20	PASS	
				NV	-10	-40000.00	-6.914434	20	PASS	
				NV	0	-40000.00	-6.914434	20	PASS	
				NV	10	-40000.00	-6.914434	20	PASS	
				NV	20	-40000.00	-6.914434	20	PASS	
				NV	30	-40000.00	-6.914434	20	PASS	
				NV	40	-40000.00	-6.914434	20	PASS	
			5825	NV	50	-40000.00	-6.914434	20	PASS	
				NV	-30	-40000.00	-6.866953	20	PASS	
		NV		-20	-40000.00	-6.866953	20	PASS		
		NV		-10	-40000.00	-6.866953	20	PASS		
		NV		0	-40000.00	-6.866953	20	PASS		
		NV		10	-40000.00	-6.866953	20	PASS		
		NV		20	-40000.00	-6.866953	20	PASS		
		NV		30	-40000.00	-6.866953	20	PASS		
		11AX40SI SO	Ant1	5190	NV	40	-40000.00	-6.866953	20	PASS
					NV	50	-40000.00	-6.866953	20	PASS
					NV	-30	-40000.00	-7.707129	20	PASS
					NV	-20	-40000.00	-7.707129	20	PASS
					NV	-10	-40000.00	-7.707129	20	PASS
					NV	0	-40000.00	-7.707129	20	PASS
					NV	10	-40000.00	-7.707129	20	PASS
					NV	20	-40000.00	-7.707129	20	PASS
					NV	30	-40000.00	-7.707129	20	PASS
				5230	NV	40	-40000.00	-7.707129	20	PASS
					NV	50	-40000.00	-7.707129	20	PASS
					NV	-30	-40000.00	-7.648184	20	PASS
NV	-20				-40000.00	-7.648184	20	PASS		
NV	-10				-40000.00	-7.648184	20	PASS		
NV	0				-40000.00	-7.648184	20	PASS		
NV	10				-40000.00	-7.648184	20	PASS		
NV	20				-40000.00	-7.648184	20	PASS		
NV	30				-40000.00	-7.648184	20	PASS		
5755	NV			40	-40000.00	-7.648184	20	PASS		
	NV			50	-40000.00	-7.648184	20	PASS		
	NV			-30	-40000.00	-6.950478	20	PASS		
	NV			-20	-40000.00	-6.950478	20	PASS		
	NV			-10	-40000.00	-6.950478	20	PASS		
	NV			0	-40000.00	-6.950478	20	PASS		
NV	10	-40000.00	-6.950478	20	PASS					
NV	20	-40000.00	-6.950478	20	PASS					

TEST REPORT

			NV	30	-40000.00	-6.950478	20	PASS
			NV	40	-40000.00	-6.950478	20	PASS
			NV	50	-40000.00	-6.950478	20	PASS
		5795	NV	-30	-40000.00	-6.902502	20	PASS
			NV	-20	-40000.00	-6.902502	20	PASS
			NV	-10	-40000.00	-6.902502	20	PASS
			NV	0	-40000.00	-6.902502	20	PASS
			NV	10	-40000.00	-6.902502	20	PASS
			NV	20	-40000.00	-6.902502	20	PASS
			NV	30	-40000.00	-6.902502	20	PASS
			NV	40	-40000.00	-6.902502	20	PASS
			NV	50	-40000.00	-6.902502	20	PASS

Frequency Error - Voltage Variation

TestMode	Antenna	Frequency [MHz]	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
			Voltage [Vdc]	Temperature (°C)				
11A	Ant1	5180	NV	NT	-40000.00	-7.722008	20	PASS
			LV	NT	-40000.00	-7.722008	20	PASS
			HV	NT	-60000.00	-11.583012	20	PASS
		5200	NV	NT	-40000.00	-7.692308	20	PASS
			LV	NT	-40000.00	-7.692308	20	PASS
			HV	NT	-40000.00	-7.692308	20	PASS
		5240	NV	NT	-40000.00	-7.633588	20	PASS
			LV	NT	-40000.00	-7.633588	20	PASS
			HV	NT	-40000.00	-7.633588	20	PASS
		5745	NV	NT	-40000.00	-6.962576	20	PASS
			LV	NT	-60000.00	-10.443864	20	PASS
			HV	NT	-40000.00	-6.962576	20	PASS
		5785	NV	NT	-60000.00	-10.371651	20	PASS
			LV	NT	-40000.00	-6.914434	20	PASS
			HV	NT	-60000.00	-10.371651	20	PASS
		5825	NV	NT	-60000.00	-10.300429	20	PASS
			LV	NT	-60000.00	-10.300429	20	PASS
			HV	NT	-40000.00	-6.866953	20	PASS
11N20SIS O	Ant1	5180	NV	NT	-40000.00	-7.722008	20	PASS
			LV	NT	-40000.00	-7.722008	20	PASS
			HV	NT	-40000.00	-7.722008	20	PASS
		5200	NV	NT	-20000.00	-3.846154	20	PASS
			LV	NT	-40000.00	-7.692308	20	PASS
			HV	NT	-40000.00	-7.692308	20	PASS
		5240	NV	NT	-40000.00	-7.633588	20	PASS
			LV	NT	-40000.00	-7.633588	20	PASS
			HV	NT	-40000.00	-7.633588	20	PASS
		5745	NV	NT	-20000.00	-3.481288	20	PASS
			LV	NT	-40000.00	-6.962576	20	PASS
			HV	NT	-40000.00	-6.962576	20	PASS

TEST REPORT

		5785	NV	NT	-40000.00	-6.914434	20	PASS
			LV	NT	-40000.00	-6.914434	20	PASS
			HV	NT	-40000.00	-6.914434	20	PASS
		5825	NV	NT	-40000.00	-6.866953	20	PASS
			LV	NT	-40000.00	-6.866953	20	PASS
			HV	NT	-40000.00	-6.866953	20	PASS
11N40SIS O	Ant1	5190	NV	NT	-40000.00	-7.707129	20	PASS
			LV	NT	-40000.00	-7.707129	20	PASS
			HV	NT	-40000.00	-7.707129	20	PASS
		5230	NV	NT	-40000.00	-7.648184	20	PASS
			LV	NT	-40000.00	-7.648184	20	PASS
			HV	NT	-40000.00	-7.648184	20	PASS
		5755	NV	NT	-40000.00	-6.950478	20	PASS
			LV	NT	-40000.00	-6.950478	20	PASS
			HV	NT	-40000.00	-6.950478	20	PASS
		5795	NV	NT	-40000.00	-6.902502	20	PASS
			LV	NT	-40000.00	-6.902502	20	PASS
			HV	NT	-40000.00	-6.902502	20	PASS
11AC20SI SO	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS
			LV	NT	-40000.00	-7.722008	20	PASS
			HV	NT	-40000.00	-7.722008	20	PASS
		5200	NV	NT	-20000.00	-3.846154	20	PASS
			LV	NT	-20000.00	-3.846154	20	PASS
			HV	NT	-40000.00	-7.692308	20	PASS
		5240	NV	NT	-20000.00	-3.816794	20	PASS
			LV	NT	-20000.00	-3.816794	20	PASS
			HV	NT	-20000.00	-3.816794	20	PASS
		5745	NV	NT	-20000.00	-3.481288	20	PASS
			LV	NT	-40000.00	-6.962576	20	PASS
			HV	NT	-40000.00	-6.962576	20	PASS
		5785	NV	NT	-40000.00	-6.914434	20	PASS
			LV	NT	-40000.00	-6.914434	20	PASS
			HV	NT	-40000.00	-6.914434	20	PASS
		5825	NV	NT	-60000.00	-10.300429	20	PASS
			LV	NT	-40000.00	-6.866953	20	PASS
			HV	NT	-40000.00	-6.866953	20	PASS
11AC40SI SO	Ant1	5190	NV	NT	-40000.00	-7.707129	20	PASS
			LV	NT	-40000.00	-7.707129	20	PASS
			HV	NT	-40000.00	-7.707129	20	PASS
		5230	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-40000.00	-7.648184	20	PASS
			HV	NT	-40000.00	-7.648184	20	PASS
		5755	NV	NT	-40000.00	-6.950478	20	PASS
			LV	NT	-40000.00	-6.950478	20	PASS
			HV	NT	-40000.00	-6.950478	20	PASS
		5795	NV	NT	-40000.00	-6.902502	20	PASS
			LV	NT	-40000.00	-6.902502	20	PASS

TEST REPORT

			HV	NT	0.00	0.000000	20	PASS
11AX20SI SO	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS
			LV	NT	-20000.00	-3.861004	20	PASS
			HV	NT	-20000.00	-3.861004	20	PASS
		5200	NV	NT	-40000.00	-7.692308	20	PASS
			LV	NT	-20000.00	-3.846154	20	PASS
			HV	NT	-20000.00	-3.846154	20	PASS
		5240	NV	NT	-40000.00	-7.633588	20	PASS
			LV	NT	-20000.00	-3.816794	20	PASS
			HV	NT	-20000.00	-3.816794	20	PASS
		5745	NV	NT	-40000.00	-6.962576	20	PASS
			LV	NT	-40000.00	-6.962576	20	PASS
			HV	NT	-20000.00	-3.481288	20	PASS
		5785	NV	NT	-40000.00	-6.914434	20	PASS
			LV	NT	-40000.00	-6.914434	20	PASS
			HV	NT	-40000.00	-6.914434	20	PASS
		5825	NV	NT	-20000.00	-3.433476	20	PASS
			LV	NT	-40000.00	-6.866953	20	PASS
HV	NT		-40000.00	-6.866953	20	PASS		
11AX40SI SO	Ant1	5190	NV	NT	-40000.00	-7.707129	20	PASS
			LV	NT	-40000.00	-7.707129	20	PASS
			HV	NT	-40000.00	-7.707129	20	PASS
		5230	NV	NT	-40000.00	-7.648184	20	PASS
			LV	NT	-40000.00	-7.648184	20	PASS
			HV	NT	-40000.00	-7.648184	20	PASS
		5755	NV	NT	-40000.00	-6.950478	20	PASS
			LV	NT	-40000.00	-6.950478	20	PASS
			HV	NT	-40000.00	-6.950478	20	PASS
		5795	NV	NT	-40000.00	-6.902502	20	PASS
			LV	NT	-40000.00	-6.902502	20	PASS
			HV	NT	-40000.00	-6.902502	20	PASS

TEST REPORT**10 Antenna requirement****Requirement:**

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

Result:

EUT uses a unique coupling to the intentional radiator, so it can comply with the provisions of this section.

TEST REPORT

11 Appendix A: Test results

11.1 Emission Bandwidth

11.1.1 Test Data

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	24.000	5168.040	5192.040	---	---
		5200	24.000	5187.720	5211.720	---	---
		5240	23.720	5228.000	5251.720	---	---
		5745	23.320	5732.920	5756.240	---	---
		5785	24.840	5772.200	5797.040	---	---
		5825	24.160	5812.880	5837.040	---	---
11N20SISO	Ant1	5180	25.200	5167.400	5192.600	---	---
		5200	24.960	5187.960	5212.920	---	---
		5240	25.840	5226.760	5252.600	---	---
		5745	25.040	5732.120	5757.160	---	---
		5785	25.200	5772.360	5797.560	---	---
		5825	25.000	5812.520	5837.520	---	---
11N40SISO	Ant1	5190	47.520	5167.200	5214.720	---	---
		5230	46.960	5206.400	5253.360	---	---
		5755	47.120	5730.840	5777.960	---	---
		5795	48.000	5770.280	5818.280	---	---
11AC20SISO	Ant1	5180	25.360	5167.600	5192.960	---	---
		5200	24.640	5187.680	5212.320	---	---
		5240	25.680	5227.600	5253.280	---	---
		5745	24.440	5732.840	5757.280	---	---
		5785	23.960	5772.560	5796.520	---	---
		5825	24.360	5813.080	5837.440	---	---
11AC40SISO	Ant1	5190	46.320	5166.640	5212.960	---	---
		5230	45.680	5206.960	5252.640	---	---
		5755	46.480	5731.800	5778.280	---	---
		5795	45.840	5771.080	5816.920	---	---
11AX20SISO	Ant1	5180	25.360	5167.680	5193.040	---	---
		5200	26.320	5186.640	5212.960	---	---
		5240	24.480	5227.600	5252.080	---	---
		5745	24.920	5732.400	5757.320	---	---
		5785	25.120	5771.840	5796.960	---	---
		5825	25.840	5812.200	5838.040	---	---
11AX40SISO	Ant1	5190	45.040	5167.120	5212.160	---	---
		5230	47.200	5206.800	5254.000	---	---
		5755	45.440	5733.000	5778.440	---	---
		5795	44.800	5772.440	5817.240	---	---

TEST REPORT

11.1.2 Test Graphs



11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5755