

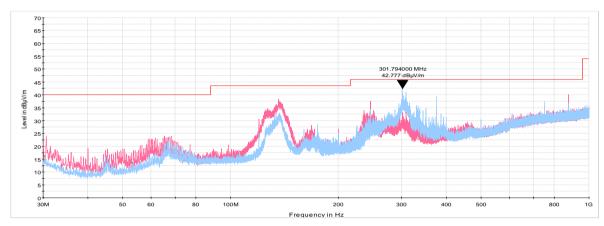


Test specification:	FCC section 15.407(b)1, RSS-247 section 6.2.4 Field strength of undesirable emissions		
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7		
Test mode:	Compliance	Vordiet.	PASS
Date(s):	07-Feb-19	- Verdict: PASS	
Temperature: 25 °C	Relative Humidity: 46 %	Air Pressure: 1012 hPa Power: 48 VDC	
Remarks:			

Plot 7.13.4 Radiated emission measurements from 30 MHz to 1000 MHz at the low carrier frequency

TEST DISTANCE: 3 m

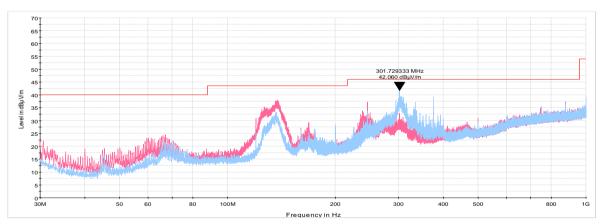
ANTENNA POLARIZATION: Vertical and Horizontal



Plot 7.13.5 Radiated emission measurements from 30 MHz to 1000 MHz at the mid carrier frequency

TEST SITE: Semi Anechoic chamber

TEST DISTANCE: 3 m



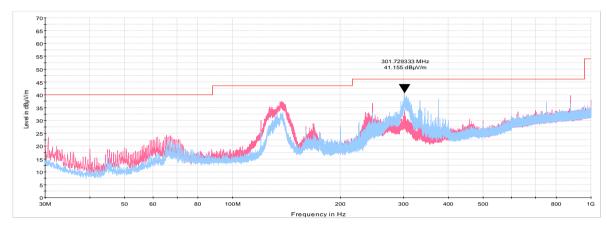




Test specification:	FCC section 15.407(b)1, RSS-247 section 6.2.4 Field strength of undesirable emissions		
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7		
Test mode:	Compliance	Vordiet.	PASS
Date(s):	07-Feb-19	- Verdict: PASS	
Temperature: 25 °C	Relative Humidity: 46 %	Air Pressure: 1012 hPa Power: 48 VDC	
Remarks:			

Plot 7.13.6 Radiated emission measurements from 30 MHz to 1000 MHz at the high carrier frequency

TEST DISTANCE: 3 m





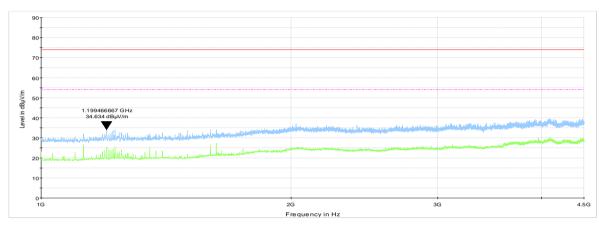


Test specification:	FCC section 15.407(b)1, RSS-247 section 6.2.4 Field strength of undesirable emissions		
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7		
Test mode:	Compliance	Vordict	PASS
Date(s):	07-Feb-19	Verdict: PASS	
Temperature: 25 °C	Relative Humidity: 46 %	Air Pressure: 1012 hPa Power: 48 VDC	
Remarks:			

Plot 7.13.7 Radiated emission measurements from 1.0 to 4.5 GHz at the low carrier frequency

TEST DISTANCE: 3 m

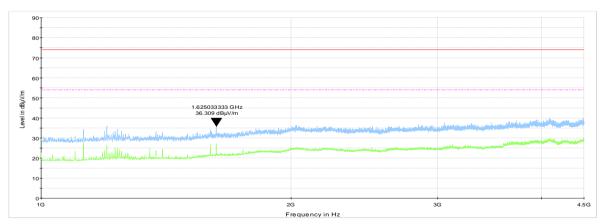
ANTENNA POLARIZATION: Vertical and Horizontal

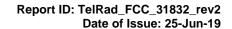


Plot 7.13.8 Radiated emission measurements from 1.0 to 4.5 GHz at the mid carrier frequency

TEST SITE: Anechoic chamber

TEST DISTANCE: 3 m



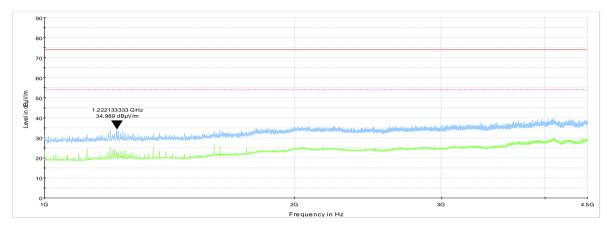


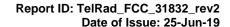


Test specification:	FCC section 15.407(b)1, RSS-247 section 6.2.4 Field strength of undesirable emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	07-Feb-19	verdict: PASS		
Temperature: 25 °C	Relative Humidity: 46 %	elative Humidity: 46 % Air Pressure: 1012 hPa Power: 48 VDC		
Remarks:				

Plot 7.13.9 Radiated emission measurements from 1.0 to 4.5 GHz at the high carrier frequency

TEST DISTANCE: 3 m





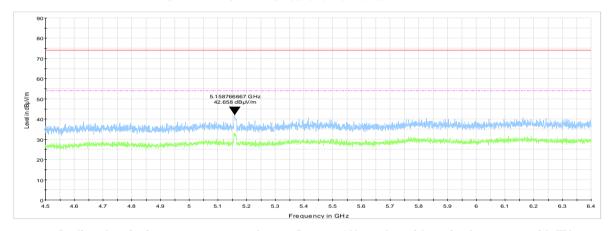


Test specification:	FCC section 15.407(b)1, RSS-247 section 6.2.4 Field strength of undesirable emissions		
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7		
Test mode:	Compliance	Vordict	PASS
Date(s):	07-Feb-19	Verdict: PASS	
Temperature: 25 °C	Relative Humidity: 46 %	re Humidity: 46 % Air Pressure: 1012 hPa Power: 48 VDC	
Remarks:			

Plot 7.13.10 Radiated emission measurements from 4.5 to 6.4 GHz at the low carrier frequency with TX output ports terminated

TEST DISTANCE: 3 m

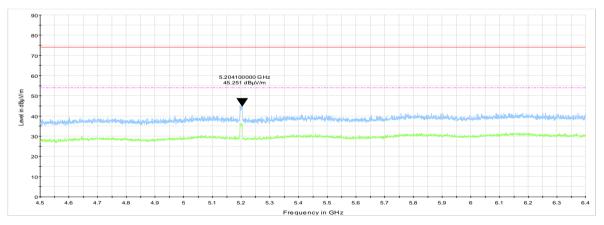
ANTENNA POLARIZATION: Vertical and Horizontal



Plot 7.13.11 Radiated emission measurements from 4.5 to 6.4 GHz at the mid carrier frequency with TX output ports terminated

TEST SITE: Anechoic chamber

TEST DISTANCE: 3 m



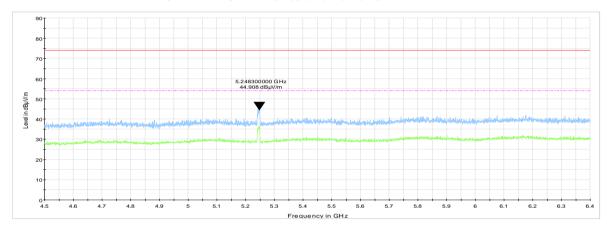




Test specification:	FCC section 15.407(b)1, RSS-247 section 6.2.4 Field strength of undesirable emissions		
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7		
Test mode:	Compliance	Vordict	PASS
Date(s):	07-Feb-19	- Verdict: PASS	
Temperature: 25 °C	Relative Humidity: 46 %	Air Pressure: 1012 hPa Power: 48 VDC	
Remarks:			

Plot 7.13.12 Radiated emission measurements from 4.5 to 6.4 GHz at the high carrier frequency with TX output ports terminated

TEST DISTANCE: 3 m







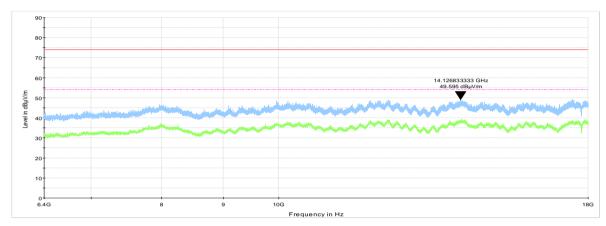
Test specification: FCC section 15.407(b)1, RSS-247 section 6.2.4 Field strength of undesirable emissions Test procedure: KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7 Test mode: Compliance **PASS** Verdict: Date(s): 07-Feb-19 Temperature: 25 °C Relative Humidity: 46 % Air Pressure: 1012 hPa Power: 48 VDC Remarks:

Plot 7.13.13 Radiated emission measurements from 6.4 to 18 GHz at the low carrier frequency

TEST SITE: Semi Anechoic chamber

TEST DISTANCE: 3 m

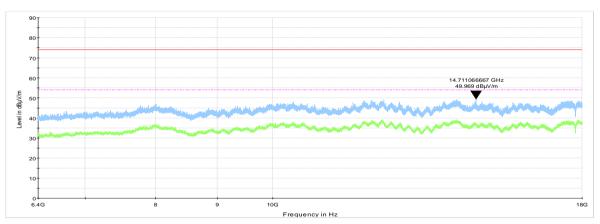
ANTENNA POLARIZATION: Vertical and Horizontal

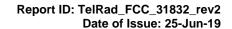


Plot 7.13.14 Radiated emission measurements from 6.4 to 18 GHz at the mid carrier frequency

TEST SITE: Anechoic chamber

TEST DISTANCE: 3 m



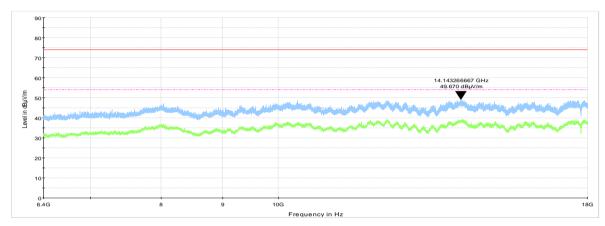




Test specification:	FCC section 15.407(b)1, RSS-247 section 6.2.4 Field strength of undesirable emissions		
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7		
Test mode:	Compliance	Vandiate	PASS
Date(s):	07-Feb-19	Verdict: PASS	
Temperature: 25 °C	Relative Humidity: 46 %	Air Pressure: 1012 hPa	Power: 48 VDC
Remarks:			

Plot 7.13.15 Radiated emission measurements from 6.4 to 18 GHz at the high carrier frequency

TEST DISTANCE: 3 m







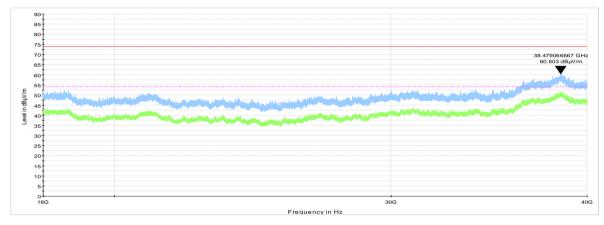
Test specification: FCC section 15.407(b)1, RSS-247 section 6.2.4 Field strength of undesirable emissions Test procedure: KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7 Test mode: Compliance **PASS** Verdict: Date(s): 07-Feb-19 Temperature: 25 °C Relative Humidity: 46 % Air Pressure: 1012 hPa Power: 48 VDC Remarks:

Plot 7.13.16 Radiated emission measurements from 18 to 40 GHz at the low carrier frequency

TEST SITE: Semi Anechoic chamber

TEST DISTANCE: 3 m

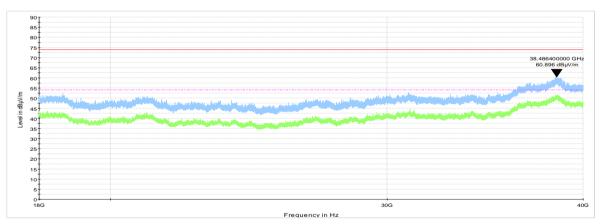
ANTENNA POLARIZATION: Vertical and Horizontal

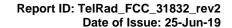


Plot 7.13.17 Radiated emission measurements from 18 to 40 GHz at the mid carrier frequency

TEST SITE: Anechoic chamber

TEST DISTANCE: 3 m



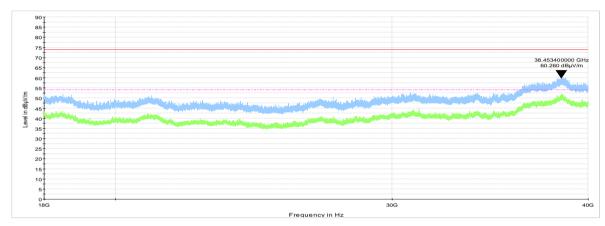




Test specification:	FCC section 15.407(b)1, RSS-247 section 6.2.4 Field strength of undesirable emissions		
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7		
Test mode:	Compliance	Vordiet.	PASS
Date(s):	07-Feb-19	- Verdict: PASS	
Temperature: 25 °C	Relative Humidity: 46 %	Air Pressure: 1012 hPa Power: 48 VDC	
Remarks:			

Plot 7.13.18 Radiated emission measurements from 18 to 40 GHz at the high carrier frequency

TEST DISTANCE: 3 m





Test specification:	FCC section 15.407(b)4, RSS-247 section 6.2.4, Field strength of undesirable emissions		
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7		
Test mode:	Compliance	Vordict	PASS
Date(s):	07-Feb-19	- Verdict: PASS	
Temperature: 25 °C	Relative Humidity: 46 %	Humidity: 46 % Air Pressure: 1012 hPa Power: 48 VDC	
Remarks:			

Field strength of undesirable emissions at 5725 – 5850 MHz range

7.14.1 General

This test was performed to measure field strength of spurious emissions from the EUT. Specification test limits are given in Table 7.14.1, Table 7.14.2.

Table 7.14.1 Unwanted emissions limits below 1 GHz and within restricted bands above 1 GHz

Fraguency MHz	Field strength at 3 m, dB(μV/m)*		
Frequency, MHz	Peak	Quasi Peak	Average
0.009 - 0.090	148.5 – 128.5	NA	128.5 - 108.5**
0.090 - 0.110	NA	108.5 – 106.8**	NA
0.110 - 0.490	126.8 – 113.8	NA	106.8 - 93.8**
0.490 – 1.705		73.8 – 63.0**	
1.705 – 30.0*		69.5	
30 – 88	NIA	40.0	NIA
88 – 216	NA	43.5	NA
216 – 960	7	46.0	
960 - 1000	7	54.0	
1000 – 40000	74.0	NA	54.0

^{*-} The limit for 3 m test distance was calculated using the inverse square distance extrapolation factor as follows: $Lim_{S2} = Lim_{S1} + 40 log (S_1/S_2),$

where S_1 and S_2 – standard defined and test distance respectively in meters. **- The limit decreases linearly with the logarithm of frequency.

Table 7.14.2 EIRP of undesirable emission limits outside restricted bands (above 1 GHz)

Operating frequency band, GHz	EIRP of spurious, dBm/MHz	Field strength at 3 m, dB(μV/m)
5.150 - 5.250	-27	68.23
5.250 - 5.350	-27	68.23
5.470 - 5.725	-27	68.23
	-27 (below 5.650 GHz and above 5.925 GHz)	68.23
	-27 increasing linearly to 10 (in 5.650 - 5.700 GHz and 5.875 - 5.925 GHz)	68.23 - 105.23*
5.725 - 5.850	10 increasing linearly to 15.6 (in 5.700 - 5.720 GHz and 5.855 - 5.875 GHz)	105.23 - 110.83*
	15.6 increasing linearly to 27 (in 5.720 - 5.725 GHz and 5.850 - 5.855 GHz)	110.83 - 122.23*



Test specification:	FCC section 15.407(b)4, RSS-247 section 6.2.4, Field strength of undesirable emissions		
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7		
Test mode:	Compliance	Vordict	PASS
Date(s):	07-Feb-19	Verdict: PASS	
Temperature: 25 °C	Relative Humidity: 46 %	Air Pressure: 1012 hPa Power: 48 VDC	
Remarks:			

Test procedure for spurious emission field strength measurements in 9 kHz to 30 MHz band

- **7.14.1.1** The EUT was set up as shown in Figure 7.14.1, energized and the performance check was conducted.
- **7.14.1.2** The specified frequency range was investigated with antenna connected to spectrum analyzer/ EMI receiver. To find maximum radiation the turntable was rotated 360⁰ and the measuring antenna was rotated around its vertical axis.
- 7.14.1.3 The worst test results (the lowest margins) were recorded and shown in the associated plots.

Test procedure for spurious emission field strength measurements above 30 MHz

- **7.14.1.4** The EUT was set up as shown in Figure 7.14.2, Figure 7.14.3, energized and the performance check was conducted.
- **7.14.1.5** The specified frequency range was investigated with antenna connected to spectrum analyzer/ EMI receiver. To find maximum radiation the turntable was rotated 360°, the measuring antenna height was changed from 1 to 4 m, its polarization was switched from vertical to horizontal.
- 7.14.1.6 The worst test results (the lowest margins) were recorded and shown in the associated plots.

Test distance Loop antenna Wooden **EUT** table .0m Height Flush mounted turn table Ground plane Spectrum Auxilliary Power analyzer/ equipment supply EMI receiver

Figure 7.14.1 Setup for spurious emission field strength measurements below 30 MHz



Test specification:	FCC section 15.407(b)4, RSS-247 section 6.2.4, Field strength of undesirable emissions					
Test procedure:	KDB 662911; KDB 789033, ANS	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7				
Test mode:	Compliance	Verdict:	PASS			
Date(s):	07-Feb-19	verdict.	PASS			
Temperature: 25 °C	Relative Humidity: 46 %	Air Pressure: 1012 hPa	Power: 48 VDC			
Remarks:						

Figure 7.14.2 Setup for spurious emission field strength measurements from 30 to 1000 MHz

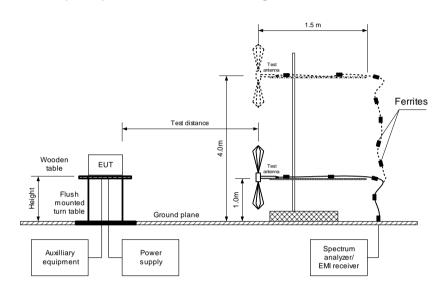
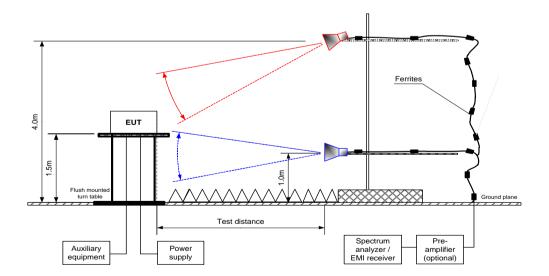


Figure 7.14.3 Setup for spurious emission field strength measurements above1000 MHz





Test specification: FCC section 15.407(b)4, RSS-247 section 6.2.4, Field strength of undesirable emissions KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7 Test procedure: Test mode: Compliance **PASS** Verdict: Date(s): 07-Feb-19 Temperature: 25 °C Relative Humidity: 46 % Power: 48 VDC Air Pressure: 1012 hPa Remarks:

Table 7.14.3 Field strength of spurious emissions below 1 GHz

ASSIGNED FREQUENCY BAND: 5.725 – 5.850 GHz INVESTIGATED FREQUENCY RANGE: 0.009 – 1000 MHz

TEST DISTANCE: 3 m
CHANNEL SPACING 10MHz
MODULATION: QPSK
TRANSMITTER OUTPUT POWER: Maximum

RESOLUTION BANDWIDTH: 1 kHz (9 kHz – 150 kHz)

9.0 kHz (150 kHz – 30 MHz) 120 kHz (30 MHz – 1000 MHz)

VIDEO BANDWIDTH: > Resolution bandwidth
TEST ANTENNA TYPE: Active loop (9 kHz – 30 MHz)
Biconilog (30 MHz – 1000 MHz)

	Diocrimo					00 1111 12)		
Frequency,	Peak		si-peak		Antenna	Antenna	Turn-table	
MHz	emission, dB(µV/m)	Measured emission, dB(μV/m)	Limit, dB(μV/m)	Margin, dB*	polarization	height, m	position**, degrees	Verdict
Low, mid, h	igh carrier fre	equency						
67.176	27.21	24.02	40.0	-15.98	Vertical	184	-8	
94.499	28.56	23.81	43.5	-19.69	Vertical	100	-157	
129.058	37.29	32.09	43.5	-11.41	Vertical	104	-8	
139.324	39.70	34.28	43.5	-9.22	Vertical	178	-180	Pass
245.751	44.77	41.60	46.0	-4.40	Vertical	102	165	Fa55
301.725	44.86	38.39	46.0	-7.61	Horizontal	102	-180	
374.990	41.26	38.67	46.0	-7.33	Horizontal	102	-173	
875.014	42.93	39.11	46.0	-6.89	Vertical	132	-145	

^{*-} Margin = Measured emission - specification limit.

Table 7.14.4 Field strength of emissions above 1 GHz outside restricted bands

ASSIGNED FREQUENCY BAND: 5.725 – 5.850 GHz INVESTIGATED FREQUENCY RANGE: 1000 – 40000 MHz

TEST DISTANCE: 3 m

MODULATION: QPSK
TRANSMITTER OUTPUT POWER: Maximum
DETECTOR: USED: Peak
RESOLUTION BANDWIDTH: 1000 kHz

TEST ANTENNA TYPE:

Biconilog (30 MHz – 1000 MHz)

Double ridged guide (above 1000 MHz)

Frequency, MHz	Antenna polarization	Antenna height, m	Azimuth, degrees*	Field strength of spurious, dB(µV/m)	Limit, dBµV/m	Margin, dB**	Verdict
Low, mid, high	carrier frequency	1					
	All emissions are more than 20 dB below the limit						

^{*-} EUT front panel refers to 0 degrees position of turntable.

^{**-} EUT front panel refer to 0 degrees position of turntable.

^{**-} Margin = Measured emission - specification limit.



Test specification: FCC section 15.407(b)4, RSS-247 section 6.2.4, Field strength of undesirable emissions Test procedure: KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7 Test mode: Compliance **PASS** Verdict: Date(s): 07-Feb-19 Temperature: 25 °C Relative Humidity: 46 % Air Pressure: 1012 hPa Power: 48 VDC Remarks:

Table 7.14.5 Field strength of spurious emissions above 1 GHz within restricted bands

ASSIGNED FREQUENCY: 5.725 – 5.850 GHz INVESTIGATED FREQUENCY RANGE: 1000 - 40000 MHz

TEST DISTANCE:

MODULATION:

DUTY CYCLE:

TRANSMITTER OUTPUT POWER:

DETECTOR USED:

RESOLUTION BANDWIDTH:

TEST ANTENNA TYPE:

Maximum

Peak

1000 kHz

Double ridged guide

Fraguency	Antenr	na	Azimuth.	Peak field s	trength(VB	W=3 MHz)	Average	e field stren	gth(VBW=1	kHz)	
Frequency, MHz	Polarization	Height, m	degrees*	Measured,	Limit, dB(µV/m)	Margin, dB**		Calculated, dB(μV/m)	,	Margin, dB***	Verdict
Low, mid,	high carrier f	requenc	у								
	All emissions are more than 20 dB below the limit							Pass			

^{*-} EUT front panel refers to 0 degrees position of turntable.

Reference numbers of test equipment used

L	HL 0446	HL 0604	HL 3903	HL 4355	HL 4360	HL 4933	HL 4956	HL 5405
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Full description is given in Appendix A.

Table 7.14.6 Restricted bands according to FCC section 15.205

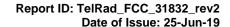
MHz	MHz	MHz	MHz	MHz	GHz
0.09 - 0.11	8.37625 - 8.38675	73 - 74.6	399.9 - 410	2690 - 2900	10.6 - 12.7
0.495 - 0.505	8.41425 - 8.41475	74.8 - 75.2	608 - 614	3260 - 3267	13.25 - 13.4
2.1735 - 2.1905	12.29 - 12.293	108 - 121.94	960 - 1240	3332 - 3339	14.47 - 14.5
4.125 - 4.128	12.51975 - 12.52025	123 - 138	1300 - 1427	3345.8 - 3358	15.35 - 16.2
4.17725 - 4.17775	12.57675 - 12.57725	149.9 - 150.05	1435 - 1626.5	3600 - 4400	17.7 - 21.4
4.20725 - 4.20775	13.36 - 13.41	156.52475 - 156.52525	1645.5 - 1646.5	4500 - 5150	22.01 - 23.12
6.215 - 6.218	16.42 - 16.423	156.7 - 156.9	1660 - 1710	5350 - 5460	23.6 - 24
6.26775 - 6.26825	16.69475 - 16.69525	162.0125 - 167.17	1718.8 - 1722.2	7250 - 7750	31.2 - 31.8
6.31175 - 6.31225	16.80425 - 16.80475	167.72 - 173.2	2200 - 2300	8025 - 8500	36.43 - 36.5
8.291 - 8.294	25.5 - 25.67	240 - 285	2310 - 2390	9000 - 9200	Abovo 20 6
8.362 - 8.366	37.5 - 38.25	322 - 335.4	2483.5 - 2500	9300 - 9500	Above 38.6

Table 7.14.7 Restricted bands according to RSS-Gen

MHz	MHz	MHz	MHz	MHz	GHz
0.09 - 0.11	8.291 - 8.294	16.80425 - 16.80475	399.9 - 410	3260 - 3267	10.6 - 12.7
2.1735 - 2.1905	8.362 - 8.366	25.5 - 25.67	608 - 614	3332 - 3339	13.25 - 13.4
3.020 - 3.026	8.37625 - 8.38675	37.5 - 38.25	960 – 1427	3345.8 - 3358	14.47 – 14.5
4.125 – 4.128	8.41425 - 8.41475	73 - 74.6	1435 – 1626.5	3500 - 4400	15.35 – 16.2
4.17725 – 4.17775	12.29 – 12.293	74.8 - 75.2	1645.5 - 1646.5	4500 - 5150	17.7 – 21.4
4.20725 - 4.20775	12.51975 – 12.52025	108 – 138	1660 - 1710	5350 - 5460	22.01 - 23.12
5.677 - 5.683	12.57675 – 12.57725	156.52475 – 156.52525	1718.8 - 1722.2	7250 - 7750	23.6 - 24
6.215 - 6.218	13.36 – 13.41	156.7 - 156.9	2200 - 2300	8025 - 8500	31.2 - 31.8
6.26775 - 6.26825	16.42 - 16.423	240 - 285	2310 - 2390	9000 - 9200	36.43 - 36.5
6.31175 - 6.31225	16.69475 - 16.69525	322 - 335.4	2655 - 2900	9300 - 9500	Above 38.6

^{** -} Margin, dB = Measured, dB(μ V/m) - Limit, dB(μ V/m)

^{*** -} Margin, dB = Calculated, dB(μ V/m) - Limit, dB(μ V/m)





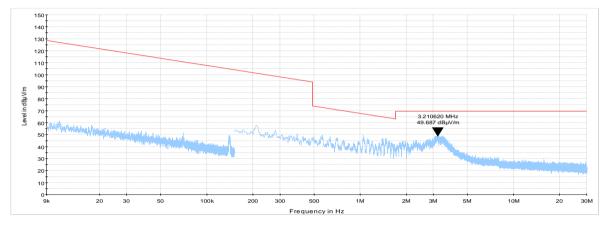
Test specification: FCC section 15.407(b)4, RSS-247 section 6.2.4, Field strength of undesirable emissions Test procedure: KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7 Test mode: Compliance **PASS** Verdict: Date(s): 07-Feb-19 Air Pressure: 1012 hPa Temperature: 25 °C Relative Humidity: 46 % Power: 48 VDC Remarks:

Plot 7.14.1 Radiated emission measurements from 9 kHz to 30 MHz at the low carrier frequency

TEST SITE: Semi anechoic chamber

TEST DISTANCE: 3 m

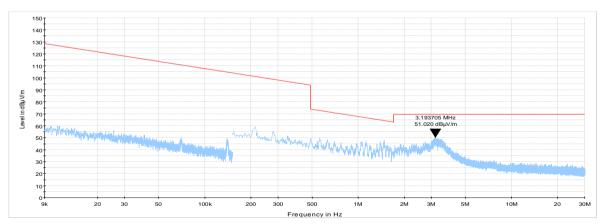
ANTENNA POLARIZATION: Vertical and Horizontal



Plot 7.14.2 Radiated emission measurements from 9 kHz to 30 MHz at the mid carrier frequency

TEST SITE: Semi anechoic chamber

TEST DISTANCE: 3 m





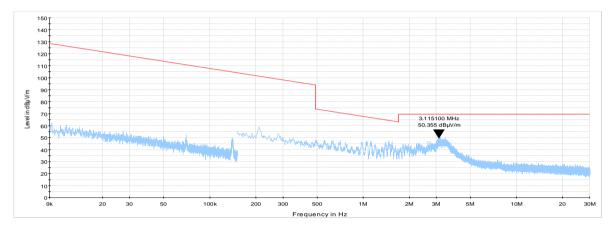


FCC section 15.407(b)4, RSS-247 section 6.2.4, Field strength of undesirable Test specification: emissions Test procedure: KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7 Test mode: Compliance **PASS** Verdict: Date(s): 07-Feb-19 Power: 48 VDC Temperature: 25 °C Relative Humidity: 46 % Air Pressure: 1012 hPa Remarks:

Plot 7.14.3 Radiated emission measurements from 9 kHz to 30 MHz at the high carrier frequency

TEST SITE: Semi anechoic chamber

TEST DISTANCE: 3 m





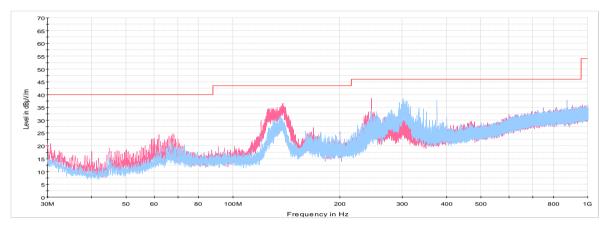


Test specification:	FCC section 15.407(b)4, RSS-247 section 6.2.4, Field strength of undesirable emissions					
Test procedure:	KDB 662911; KDB 789033, Al	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7				
Test mode:	Compliance	Verdict:	PASS			
Date(s):	07-Feb-19	verdict.	PASS			
Temperature: 25 °C	Relative Humidity: 46 %	Air Pressure: 1012 hPa	Power: 48 VDC			
Remarks:						

Plot 7.14.4 Radiated emission measurements from 30 MHz to 1000 MHz at the low carrier frequency

TEST DISTANCE: 3 m

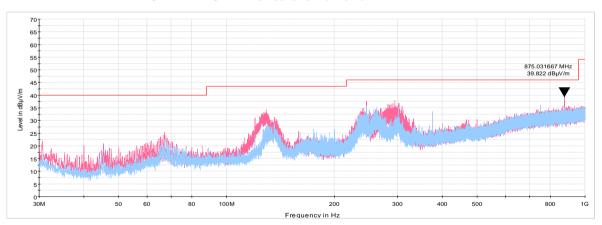
ANTENNA POLARIZATION: Vertical and Horizontal

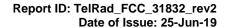


Plot 7.14.5 Radiated emission measurements from 30 MHz to 1000 MHz at the mid carrier frequency

TEST SITE: Semi Anechoic chamber

TEST DISTANCE: 3 m



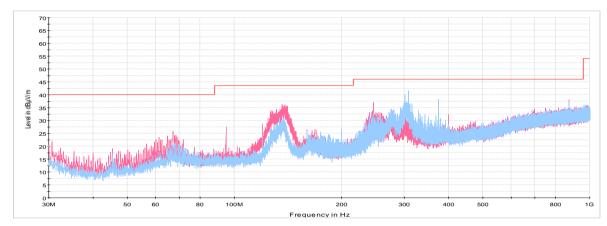




Test specification:	FCC section 15.407(b)4, RSS-247 section 6.2.4, Field strength of undesirable emissions				
Test procedure:	KDB 662911; KDB 789033, ANS	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Verdict:	PASS		
Date(s):	07-Feb-19	verdict: PASS			
Temperature: 25 °C	Relative Humidity: 46 % Air Pressure: 1012 hPa Power: 48 VDC				
Remarks:					

Plot 7.14.6 Radiated emission measurements from 30 MHz to 1000 MHz at the high carrier frequency

TEST DISTANCE: 3 m





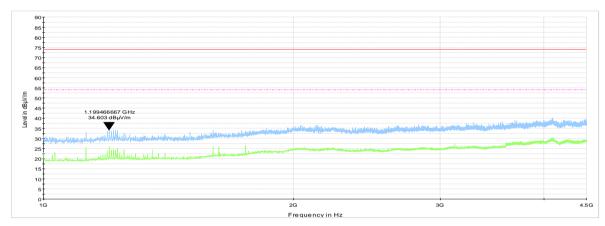


Test specification:	FCC section 15.407(b)4, RSS-247 section 6.2.4, Field strength of undesirable emissions					
Test procedure:	KDB 662911; KDB 789033, AN	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7				
Test mode:	Compliance	Verdict:	PASS			
Date(s):	07-Feb-19	verdict.	PASS			
Temperature: 25 °C	Relative Humidity: 46 %	Air Pressure: 1012 hPa	Power: 48 VDC			
Remarks:						

Plot 7.14.7 Radiated emission measurements from 1.0 to 4.5 GHz at the low carrier frequency

TEST DISTANCE: 3 m

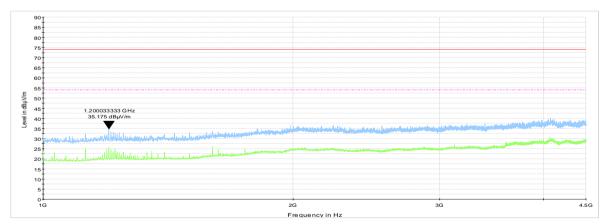
ANTENNA POLARIZATION: Vertical and Horizontal

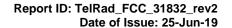


Plot 7.14.8 Radiated emission measurements from 1.0 to 4.5 GHz at the mid carrier frequency

TEST SITE: Anechoic chamber

TEST DISTANCE: 3 m



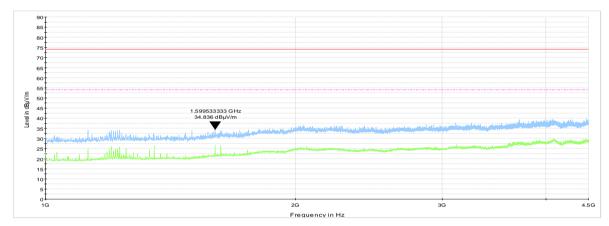




Test specification:	FCC section 15.407(b)4, RSS-247 section 6.2.4, Field strength of undesirable emissions					
Test procedure:	KDB 662911; KDB 789033, ANS	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7				
Test mode:	Compliance	Verdict:	PASS			
Date(s):	07-Feb-19	verdict.	PASS			
Temperature: 25 °C	Relative Humidity: 46 %	Air Pressure: 1012 hPa	Power: 48 VDC			
Remarks:						

Plot 7.14.9 Radiated emission measurements from 1.0 to 4.5 GHz at the high carrier frequency

TEST DISTANCE: 3 m





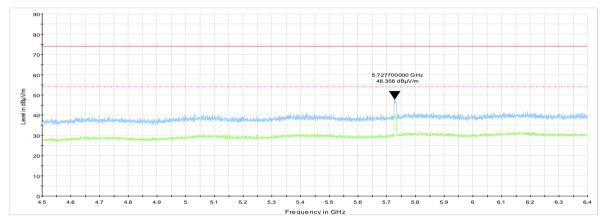


Test specification:	FCC section 15.407(b)4, RSS-247 section 6.2.4, Field strength of undesirable emissions					
Test procedure:	KDB 662911; KDB 789033, AN	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7				
Test mode:	Compliance	Vordict	DACC			
Date(s):	07-Feb-19	Verdict: PASS				
Temperature: 25 °C	Relative Humidity: 46 % Air Pressure: 1012 hPa Power: 48 VDC					
Remarks:						

Plot 7.14.10 Radiated emission measurements from 4.5 to 6.4 GHz at the low carrier frequency with TX output ports terminated

TEST DISTANCE: 3 m

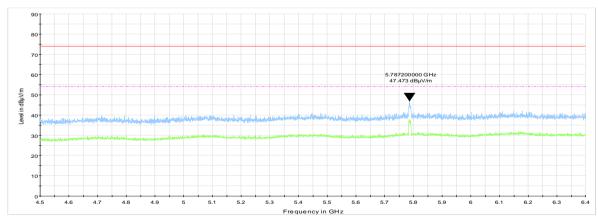
ANTENNA POLARIZATION: Vertical and Horizontal



Plot 7.14.11 Radiated emission measurements from 4.5 to 6.4 GHz at the mid carrier frequency with TX output ports terminated

TEST SITE: Anechoic chamber

TEST DISTANCE: 3 m







Test specification:	FCC section 15.407(b)4, RSS-247 section 6.2.4, Field strength of undesirable emissions		
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7		
Test mode:	Compliance	Verdict:	PASS
Date(s):	07-Feb-19		
Temperature: 25 °C	Relative Humidity: 46 %	Air Pressure: 1012 hPa	Power: 48 VDC
Remarks:			

Plot 7.14.12 Radiated emission measurements from 4.5 to 6.4 GHz at the high carrier frequency with TX output ports terminated

TEST DISTANCE: 3 m

