

Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Vordict	DV66	
Date(s):	28-Jul-19	verdict.	FA33	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.215 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency



Plot 7.5.216 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency CHANNEL BANDWIDTH: 5 MHz CONFIGURATION: 3 Non-Overlapping Beams

Swept SA	nalyzer 1	Spectrum Swept SA	Analyzer 2		Spectrun Swept S/	Analyzer 3		Spectrum Ana Swept SA	lyzer 4	· +
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 0 Corrections: On Freq Ref: Int (S)	Atten: 10 dB Source: Off	PNO: F Gate: C IF Gain Sig Tra	ast Iff Low ck: Off	Avg Type: Li Avg Hold:>1 Trig: Free R	og-Power <u>1</u> 0/10 M un	23456 ₩₩₩₩₩ NNNNN		N
I Spectrum Scale/Div 10 (iB T			Ref Lvi Ref Lev	Offset 16 el -40.00	.50 dB dBm			Mkr1	18.604 33 GH
Log				1	Ţ					
-50.0										
60.0										
70.0										DL1-68.61 dDr
-80.0	Lutheneses	in the second second second	and the second			Less and the second	ulitat de arreste de de	aduated an activity		datas altas inclusional discussion
-90.0	hith are platered as			-				a stantine of the sec	a dia man	
400										
-100										
-110										
-120										
-130				1						



Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Vordict	DV66	
Date(s):	28-Jul-19	verdict.	FA33	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.217 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency









Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Vordict	DV66	
Date(s):	28-Jul-19	verdict.	FA33	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.219 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency



Plot 7.5.220 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency CHANNEL BANDWIDTH: 10 MHz





Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Vordict	DV66	
Date(s):	28-Jul-19	verdict.	FA33	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.221 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency



Plot 7.5.222 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency CHANNEL BANDWIDTH: 10 MHz





Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Vordict	DV66	
Date(s):	28-Jul-19	verdict.	FA33	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.223 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency



Plot 7.5.224 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency CHANNEL BANDWIDTH: 10 MHz

Swept SA	Spectrum Analyz Swept SA	er 2 Spectr Swept	um Analyzer 3 SA	Spectrum Analyzer Swept SA	4 7 +
EYSIGHT Input: RF Coupling: DC Align: Auto	Input Z: 50 0 Atten Corrections: On Sourc Freq Ref: Int (S)	: 10 dB PNO: Fast ce: Off Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg)Hold:>10/10 Trig: Free Run	1 2 3 4 5 6 1 W W W W W N N N N N	
pectrum v		Ref Lvi Offset Ref Level -40.0	16.50 dB 10 dBm	N	lkr1 18.094 03 GHz -75.92 dBm
5g					
0.0					
10.0					
/0.0 _1					DL1-68.61 dBm
0.0 An Astronom Astronom Astro	والمراجعة المتحاط والمتأل فأحاقهم	and the state of the	and the second		the design of the structure
	which the plant design of the state of the	al ben allen a diete andere behaden die een behad	annia da solen nil la collocadore	A SCHOOL STOCK	hing faster and a figure of the first first state of the second
10.0					
0.0					
100					
0.0 00 00 00 00 00 00 00 00 00 00 00 00					



Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Vordict	DV66	
Date(s):	28-Jul-19	verdict.	FA33	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.225 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency









Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Vordict	DV66	
Date(s):	28-Jul-19	verdict.	FA33	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.227 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency



Plot 7.5.228 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency CHANNEL BANDWIDTH: 10 MHz





Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Vordict	DV66	
Date(s):	28-Jul-19	verdict.	FA33	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.229 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency



Plot 7.5.230 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency CHANNEL BANDWIDTH: 10 MHz





Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Vordict	DV66	
Date(s):	28-Jul-19	verdict.	FA33	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.231 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency









Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Vordict	DV66	
Date(s):	28-Jul-19	verdict.	FA33	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.233 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency



Plot 7.5.234 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency CHANNEL BANDWIDTH: 10 MHz





Test specification:	Section 15.247(d) / RSS-24	7 section 5.5, Conducted s	purious emissions
Test procedure:	ANSI C63.10 section 11.12.2		
Test mode:	Compliance	Vordict	DV66
Date(s):	28-Jul-19	- Verdict: PASS	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.5.235 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency









Test specification:	Section 15.247(d) / RSS-24	7 section 5.5, Conducted s	purious emissions
Test procedure:	ANSI C63.10 section 11.12.2		
Test mode:	Compliance	Vordict	DV66
Date(s):	28-Jul-19	- Verdict: PASS	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.5.237 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency









Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Vardiat: DASS		
Date(s):	28-Jul-19	verdict.	FA33	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.239 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency



Plot 7.5.240 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency CHANNEL BANDWIDTH: 10 MHz





Test specification:	Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure:	ANSI C63.10 section 11.12.1			
Test mode:	Compliance	Verdict	DV66	
Date(s):	28-Jul-19	Verdici. PASS		
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

7.6 Band edge emissions at RF antenna connector for one beam configuration

7.6.1 General

This test was performed to measure band edge emissions at RF antenna connector. Specification test limits are given in Table 7.6.1.

Output power	Assigned frequency, MHz	Attenuation below carrier*, dBc
	902.0 - 928.0	
Peak	2400.0 - 2483.5	20.0
	5725.0 – 5850.0	
	902.0 - 928.0	
Averaged over a time interval	2400.0 – 2483.5	30.0
	5725.0 - 5850.0	

Table 7.6.1 Band edge emission limits

* - Band edge emission limit is provided in terms of attenuation below the peak of modulated carrier measured with the same resolution bandwidth.

7.6.2 Test procedure

- **7.6.2.1** The EUT was set up as shown in Figure 7.6.1, energized normally modulated at the maximum data rate and its proper operation was checked.
- 7.6.2.2 The EUT was adjusted to produce maximum available to end user RF output power at the lowest carrier frequency.
- **7.6.2.3** The spectrum analyzer span was set to capture the carrier frequency and associated modulation products. The resolution bandwidth was set wider than 1 % of the frequency span.
- **7.6.2.4** The spectrum analyzer was set in max hold mode and allowed trace to stabilize. The highest emission level within the authorized band was measured.
- **7.6.2.5** The maximum band edge emission and modulation product outside of the band were measured as provided in Table 7.6.2 and associated plots and referenced to the highest emission level measured within the authorized band.
- **7.6.2.6** The above procedure was repeated with the EUT adjusted to produce maximum RF output power at the highest carrier frequency.

Figure 7.6.1 Band edge emission test setup





Test specification:	Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure:	ANSI C63.10 section 11.12.1			
Test mode:	Compliance			
Date(s):	28-Jul-19	verdict.	FA33	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Table 7.6.2 Band edge emission outside restricted band test results

CONFIGURATION: CHANNEL SPACING:	1 beam 5 MHz
VIDEO BANDWIDTH:	≥ RBW
RESOLUTION BANDWIDTH:	100 kHz
TRANSMITTER OUTPUT POWER SETTINGS:	Maximum
MODULATING SIGNAL:	PRBS
DETECTOR USED:	Peak
ASSIGNED FREQUENCY RANGE:	2400 - 2483.5 MHz

Antenna port	Frequency, MHz	Band edge emission, dBm	Emission at carrier, dBm	below carrier, dBc	Limit, dBc	Margin, dB*	Verdict
Modulation G	PSK						
Chain #1	2399.7	-58.64	-2.04**	56.60	30.0	26.60	Pass
Chain #2	2399.4	-60.00	-2.04**	57.96	30.0	27.96	Pass
Chain #3	2400.0	-58.70	-2.04**	56.66	30.0	26.66	Pass
Chain #4	2399.1	-60.25	-2.04**	58.21	30.0	28.21	Pass
Chain #5	2400.0	-57.67	-2.04**	55.63	30.0	25.63	Pass
Chain #6	2400.0	-72.03	-2.04**	69.99	30.0	39.99	Pass
Chain #7	2399.1	-72.23	-2.04**	70.19	30.0	40.19	Pass
Chain #8	2399.1	-72.16	-2.04**	70.12	30.0	40.12	Pass
Modulation 6	4QAM						
Chain #1	2398.5	-62.13	-3.01**	59.12	30.0	29.12	Pass
Chain #2	2400.0	-58.37	-3.01**	55.36	30.0	25.36	Pass
Chain #3	2400.0	-57.20	-3.01**	54.19	30.0	24.19	Pass
Chain #4	2400.0	-58.55	-3.01**	55.54	30.0	25.54	Pass
Chain #5	2400.0	-58.89	-3.01**	55.88	30.0	25.88	Pass
Chain #6	2400.0	-72.18	-3.01**	69.17	30.0	39.17	Pass
Chain #7	2400.0	-72.16	-3.01**	69.15	30.0	39.15	Pass
Chain #8	2399.4	-72.33	-3.01**	69.32	30.0	39.32	Pass

*- Margin = Attenuation below carrier – specification limit.
** - Was applied minimum reference level from 8 antenna chains





Test specification:	Section 15.247(d) / RSS-24	7 section 5.5, Band edge ei	missions
Test procedure:	ANSI C63.10 section 11.12.1		
Test mode:	Compliance	Vordict	DV66
Date(s):	28-Jul-19	verdict.	FA33
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

CHANNEL SE	PACING:		10 MHz				
Antenna port	Frequency, MHz	Band edge emission, dBm	Emission at carrier, dBm	Attenuation below carrier, dBc	Limit, dBc	Margin, dB*	Verdict
Modulation G	QPSK						
Chain #1	2398.8	-59.43	-5.10**	54.33	30.0	24.33	Pass
Chain #2	2399.4	-57.77	-5.10**	52.67	30.0	22.67	Pass
Chain #3	2400.0	-56.89	-5.10**	51.79	30.0	21.79	Pass
Chain #4	2399.1	-57.77	-5.10**	52.67	30.0	22.67	Pass
Chain #5	2400.0	-58.87	-5.10**	53.77	30.0	23.77	Pass
Chain #6	2400.0	-59.37	-5.10**	54.27	30.0	24.27	Pass
Chain #7	2399.1	-59.86	-5.10**	54.76	30.0	24.76	Pass
Chain #8	2399.7	-59.66	-5.10**	54.56	30.0	24.56	Pass
Modulation 6	4QAM						
Chain #1	2398.3	-72.31	-5.14**	67.27	30.0	27.27	Pass
Chain #2	2400.0	-57.33	-5.14**	52.19	30.0	22.19	Pass
Chain #3	2400.0	-57.66	-5.14**	52.52	30.0	22.52	Pass
Chain #4	2400.0	-60.41	-5.14**	55.27	30.0	25.27	Pass
Chain #5	2400.0	-58.35	-5.14**	53.21	30.0	23.21	Pass
Chain #6	2399.7	-59.24	-5.14**	54.10	30.0	24.10	Pass
Chain #7	2399.7	-60.39	-5.14**	55.25	30.0	25.25	Pass
Chain #8	2399.4	-60.52	-5.14**	55.38	30.0	25.38	Pass

*- Margin = Attenuation below carrier – specification limit.
 ** - Was applied minimum reference level from 8 antenna chains



Test specification:	Section 15.247(d) / RSS-24	7 section 5.5, Band edge ei	missions
Test procedure:	ANSI C63.10 section 11.12.1		
Test mode:	Compliance	Vordict	DASS
Date(s):	28-Jul-19	verdict.	FA33
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Table 7.6.3 Low band edge emission within restricted band test results

ASSIGNED FREQUENCY RANGE:	2400 - 2483.5 MHz
DETECTOR USED:	Peak / Average
MODULATING SIGNAL:	PRBS
TRANSMITTER OUTPUT POWER SETTINGS:	Maximum
RESOLUTION BANDWIDTH:	1 MHz
VIDEO BANDWIDTH:	≥ RBW
CONFIGURATION:	1 beam
CHANNEL SPACING:	5 MHz

Modulation	Modulation Band SA Reading, dBm							Sum ,		
	edge	Chain #1	Chain #2	Chain #3	Chain #4	Chain #5	Chain #6	Chain #7	Chain #8	dBm
Detector Peak										
QPSK	2390.0	-64.38	-64.06	-62.60	-63.12	-62.78	-60.89	-60.32	-60.25	-53.03
64QAM	2390.0	-62.97	-62.91	-63.98	-63.66	-63.62	-60.87	-59.88	-60.56	-53.03
Detector Avera	age									
QPSK	2390.0	-75.38	-75.48	-75.46	-75.55	-75.52	-72.03	-72.23	-72.16	-64.91
64QAM	2390.0	-75.25	-75.33	-75.33	-75.17	-75.08	-71.91	-71.67	-72.00	-64.65
CHANNEL SI	PACING:			10 N	/Hz					
Detector Peak										
QPSK	2390.0	-58.38	-60.29	-60.50	-63.23	-62.76	-61.75	-60.46	-62.81	-51.99
64QAM	2390.0	-62.58	-62.48	-62.83	-63.75	-63.16	-62.00	-63.35	-63.81	-53.95
Detector Avera	age									
QPSK	2390.0	-73.13	-73.23	-73.35	-74.27	-74.19	-74.06	-75.29	-74.88	-64.99

-75.27

-75.21

-75.03

-75.10

CHANNEL SPACING:

64QAM

2390.0

-75.29

-75.08

5 MHz

-74.40

	Detector p	eak, dBm		Limit Margin		erage, dBm,	Limit	Margin		
Frequency, MHz	Emission	Cable loss, dB	Band edge result	dBm	dB*	Emission	Band edge result	dBm	dB*	Verdict
Modulation	n QPSK									
2390.0	-53.03	1.23	-54.26	-39.58	-14.68	-64.91	-66.14	-59.58	-6.56	Pass
Modulation	n 64QAM									
2390.0	-53.03	1.23	-54.26	-39.58	-14.68	-64.65	-65.88	-59.58	-6.30	Pass
CHANNEI	L SPACING:			10 N	1Hz					
Modulation	n QPSK									
2390.0	-51.99	1.23	-53.22	-39.58	-13.64	-64.99	-66.22	-59.58	-6.64	Pass
Modulation	n 64QAM									
2390.0	-53.95	1.23	-55.18	-39.58	-15.60	-66.08	-67.31	-59.58	-7.73	Pass

-75.38

-66.08



Test specification:	Section 15.247(d) / RSS-247 section 5.5, Band edge emissions				
Test procedure:	ANSI C63.10 section 11.12.1				
Test mode:	Compliance	Vordict	DASS		
Date(s):	28-Jul-19	verdict.	FA33		
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC		
Remarks [.]					

Table 7.6.4 High band edge emission within restricted band test results

ASSIGNED FREQUENCY RANGE:	2400 - 2483.5 MHz
DETECTOR USED:	Peak / Average
MODULATING SIGNAL:	PRBS
TRANSMITTER OUTPUT POWER SETTINGS:	Maximum
RESOLUTION BANDWIDTH:	1 MHz
VIDEO BANDWIDTH:	≥ RBW
CONFIGURATION:	1 beam
CHANNEL SPACING:	5 MHz

Modulation	Band	SA Reading, dBm								Sum ,
	edge	Chain #1	Chain #2	Chain #3	Chain #4	Chain #5	Chain #6	Chain #7	Chain #8	dBm
Detector Peak										
QPSK	2483.5	-64.79	-64.58	-64.85	-64.58	-64.52	-64.24	-64.47	-64.98	-55.62
64QAM	2483.5	-64.85	-64.43	-65.08	-64.33	-64.24	-64.80	-64.29	-63.98	-55.49
Detector Avera	ige									
QPSK	2483.5	-77.23	-77.00	-77.48	-77.54	-77.67	-77.48	-77.57	-77.56	-68.44
64QAM	2483.5	-77.55	-77.38	-77.42	-77.62	-77.73	-77.53	-77.73	-77.68	-68.58
CHANNEL SP	PACING:			10 N	/Hz					
Detector Peak										
QPSK	2483.5	-64.68	-64.83	-64.88	-64.38	-63.99	-64.79	-64.89	-64.40	-55.59
64QAM	2483.5	-64.36	-64.41	-64.51	-64.46	-64.70	-64.45	-64.92	-64.03	-55.47
Detector Avera	ige									
QPSK	2483.5	-77.45	-77.59	-77.56	-77.29	-77.52	-77.53	-77.57	-77.34	-68.48

-77.52

-77.51

-77.64

-77.40

-77.60

-68.54

CHANNEL SPACING:

2483.5

-77.46

-77.61

64QAM

5 MHz

-77.57

	Detector p	eak, dBm		Limit	Margin	Detector av	verage, dBm,	Limit	Margin	
Frequency, MHz	Emission	Cable loss, dB	Band edge result	dBm**	dB*	Emission	Band edge result	dBm	dB*	Verdict
High band	edge									
Modulation	n QPSK									
2483.5	-55.62	1.23	-56.85	-39.58	-17.27	-68.44	-69.67	-59.58	-10.09	Pass
Modulation	n 64QAM									
2483.5	-55.49	1.23	-56.72	-39.58	-17.14	-68.58	-69.81	-59.58	-10.23	Pass
CHANNE	L SPACING:			10 N	/Hz					
Modulation	n QPSK									
2483.5	-55.59	1.23	-56.82	-39.58	-17.24	-68.48	-69.71	-59.58	-10.13	Pass
Modulation	n 64QAM									
2483.5	-55.47	1.23	-56.70	-39.58	-17.12	-68.54	-69.77	-59.58	-10.19	Pass

Reference numbers of test equipment used

HL 3901	HL 4070	HL 4366	HL 5376	HL	HL	HL	HL			
Full departmention										

Full description is given in Appendix A.





Test specification:	Section 15.247(d) / RSS-247 section 5.5, Band edge emissions					
Test procedure:	ANSI C63.10 section 11.12.1					
Test mode:	Compliance	Verdict	DV66			
Date(s):	28-Jul-19	verdict.	FA33			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC			
Remarks:						

Plot 7.6.1 Spurious emission measurements at reference level, low carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION: MODULATION: ANTENNA CHAIN # 1: Maximum level



5 MHz 1beam QPSK

ANTENNA CHAIN # 5: Minimum level



Plot 7.6.2 Spurious emission measurements at reference level, low carrier frequency



5 MHz 1beam 64QAM

ANTENNA CHAIN # 5: Minimum level







Test specification:	Section 15.247(d) / RSS-247 section 5.5, Band edge emissions						
Test procedure:	ANSI C63.10 section 11.12.1						
Test mode:	Compliance	Vordict	DV66				
Date(s):	28-Jul-19	verdict.	FA33				
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC				
Remarks:							

Plot 7.6.3 Spurious emission measurements at reference level, low carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION: MODULATION: ANTENNA CHAIN # 1: Maximum level



10 MHz 1beam QPSK

ANTENNA CHAIN # 5: Minimum level



Plot 7.6.4 Spurious emission measurements at reference level, low carrier frequency



10 MHz 1beam 64QAM

ANTENNA CHAIN # 5: Minimum level







Test specification:	Section 15.247(d) / RSS-247 section 5.5, Band edge emissions					
Test procedure:	ANSI C63.10 section 11.12.1					
Test mode:	Compliance	Verdict	DV66			
Date(s):	28-Jul-19	verdict.	FA33			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC			
Remarks:						

Plot 7.6.5 Spurious emission measurements at reference level, high carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION: MODULATION: ANTENNA CHAIN # 1: Maximum level



5 MHz 1beam QPSK

ANTENNA CHAIN # 6: Minimum level



Plot 7.6.6 Spurious emission measurements at reference level, high carrier frequency



5 MHz 1beam 64QAM

ANTENNA CHAIN # 6: Minimum level







Test specification:	Section 15.247(d) / RSS-247 section 5.5, Band edge emissions					
Test procedure:	ANSI C63.10 section 11.12.1					
Test mode:	Compliance	Verdict	DV66			
Date(s):	28-Jul-19	verdict.	FA33			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC			
Remarks:						

Plot 7.6.7 Spurious emission measurements at reference level, high carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION: MODULATION: ANTENNA CHAIN # 1: Maximum level



10 MHz 1beam QPSK

ANTENNA CHAIN # 6: Minimum level



Plot 7.6.8 Spurious emission measurements at reference level, high carrier frequency



10 MHz 1beam 64QAM

ANTENNA CHAIN # 6: Minimum level

