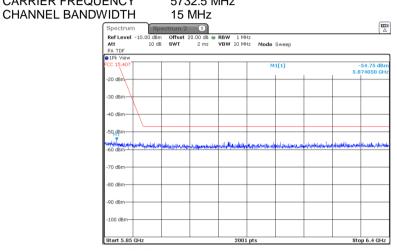


Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	11-Feb-19	verdict: PASS		
Temperature: 26 °C	Relative Humidity: 45 %Air Pressure: 1020 hPaPower: 48 VDC			
Remarks:				

Plot 7.9.13 Conducted spurious emission measurements in the range 5.85 – 6.4 GHz CARRIER FREQUENCY 5732.5 MHz

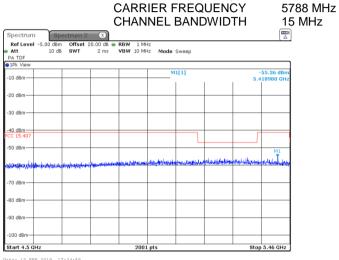


Date: 12.FEB.2019 17:20:45



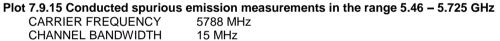
Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	11-Feb-19	verdict: PASS		
Temperature: 26 °C	Relative Humidity: 45 % Air Pressure: 1020 hPa Power: 48 VDC			
Remarks:				

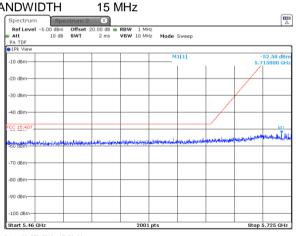
Plot 7.9.14 Conducted spurious emission measurements in the range 4.5 - 5.46 GHz





Date: 12.FEB.2019 17:34:58



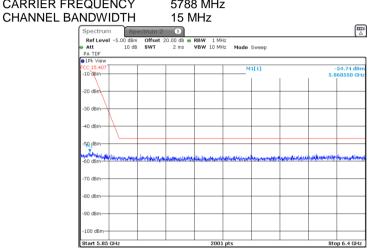


Date: 12.FEB.2019 17:33:44



Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions				
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7				
Test mode:	Compliance	Verdict: PASS			
Date(s):	11-Feb-19				
Temperature: 26 °C	Relative Humidity: 45 %Air Pressure: 1020 hPaPower: 48 VDC				
Remarks:	Remarks:				

Plot 7.9.16 Conducted spurious emission measurements in the range 5.85 – 6.4 GHz CARRIER FREQUENCY 5788 MHz

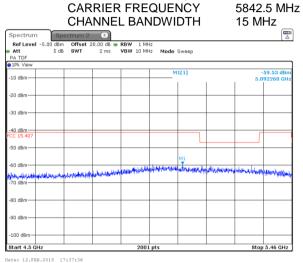


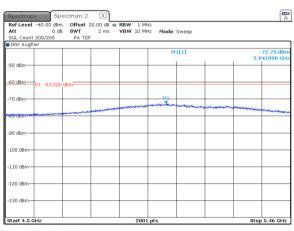
Date: 12.FEB.2019 17:32:28



Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	11-Feb-19	Verdict: PASS		
Temperature: 26 °C	Relative Humidity: 45 % Air Pressure: 1020 hPa Power: 48 VDC			
Remarks:				

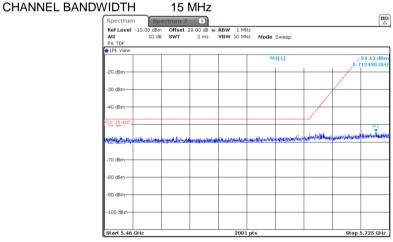
Plot 7.9.17 Conducted spurious emission measurements in the range 4.5 - 5.46 GHz





: 12.FEB.2019 17:48:18

Plot 7.9.18 Conducted spurious emission measurements in the range 5.46 - 5.725 GHz CARRIER FREQUENCY 5842.5 MHz

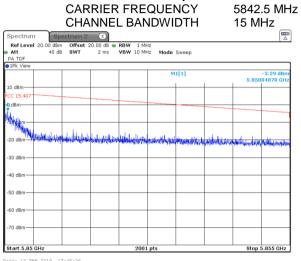


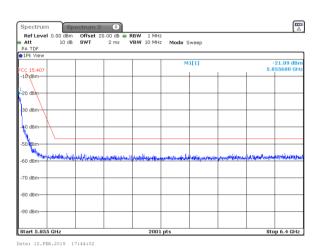
Date: 12.FEB.2019 17:46:39



Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	11-Feb-19	verdict: PASS		
Temperature: 26 °C	Relative Humidity: 45 %Air Pressure: 1020 hPaPower: 48 VDC			
Remarks:				

Plot 7.9.19 Conducted spurious emission measurements in the range 5.85 - 6.4 GHz



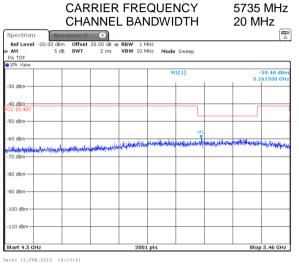


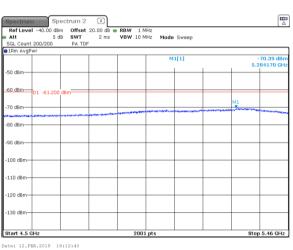
Date: 12.FEB.2019 17:45:36



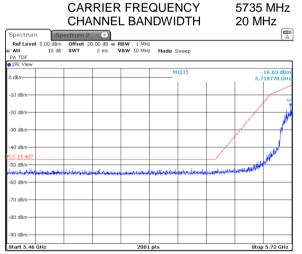
Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Mandiata	PASS	
Date(s):	11-Feb-19	- Verdict: PASS		
Temperature: 26 °C	Relative Humidity: 45 %Air Pressure: 1020 hPaPower: 48 VDC			
Remarks:				

Plot 7.9.20 Conducted spurious emission measurements in the range 4.5 - 5.46 GHz





Plot 7.9.21 Conducted spurious emission measurements in the range 5.46 - 5.725 GHz



Att	0 dBm Offset 50 dB SWT	20.00 dB 👄 RB 2 ms VB		Sweep		
PA TDF	SUUD SWI	2 ms VB	w 10 MH2 Mode	Sweep		
1Pk View						
				M1[1]	-4.83	2 dB
					5.7249988	O GI
20 dBm						
10 dBm						
						_
0 dBm						
-10 dBm						
-10 00111		4	1. A 1.4.	d tod share	the second s	WM
-20 dBm	feelikelysight for the second	edivisions, New York History and	where the state of the second state of the sec	641.411.1444.64.64.64.64.64.64.64.64.64.64.64.64.	entering with some addit	
-20 dBm						
				1 1		
				1 1		
-30 d8m		_		+		
-30 dBm						
-30 dBm						
-40 dBm						
-40 dBm						
-40 dBm						

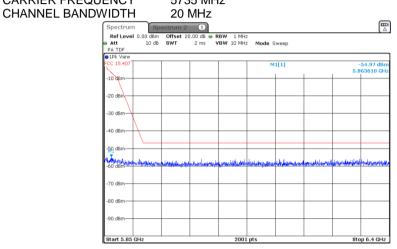
Date: 12.FEB.2019 18:09:37

Date: 12.FEB.2019 18:08:17



Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	11-Feb-19	verdict: PASS		
Temperature: 26 °C	Relative Humidity: 45 %Air Pressure: 1020 hPaPower: 48 VDC			
Remarks:				

Plot 7.9.22 Conducted spurious emission measurements in the range 5.85 – 6.4 GHz CARRIER FREQUENCY 5735 MHz

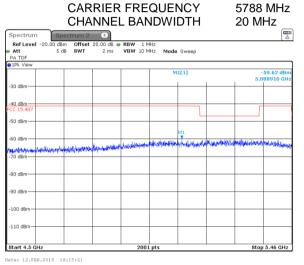


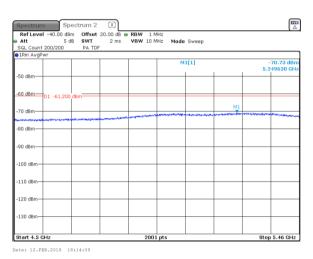
Date: 12.FEB.2019 18:06:55



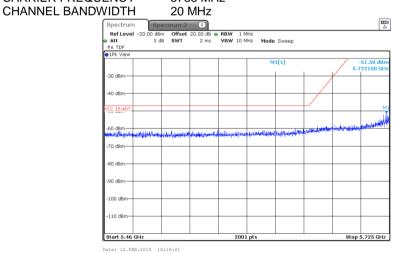
Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	11-Feb-19	verdict: PASS		
Temperature: 26 °C	Relative Humidity: 45 %	elative Humidity: 45 % Air Pressure: 1020 hPa Power: 48 VDC		
Remarks:				

Plot 7.9.23 Conducted spurious emission measurements in the range 4.5 – 5.46 GHz





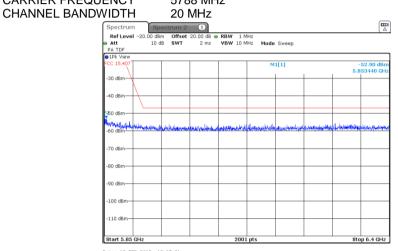
Plot 7.9.24 Conducted spurious emission measurements in the range 5.46 – 5.725 GHz CARRIER FREQUENCY 5788 MHz





Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	11-Feb-19	verdict: PASS		
Temperature: 26 °C	Relative Humidity: 45 %Air Pressure: 1020 hPaPower: 48 VDC			
Remarks:				

Plot 7.9.25 Conducted spurious emission measurements in the range 5.85 – 6.4 GHz CARRIER FREQUENCY 5788 MHz

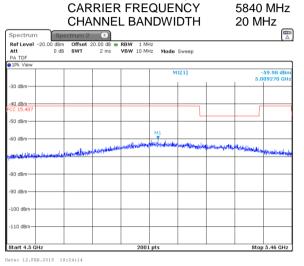


Date: 12.FEB.2019 18:17:21



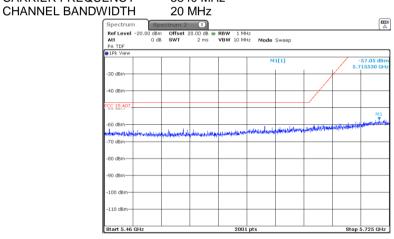
Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Mandiata	PASS	
Date(s):	11-Feb-19	- Verdict: PASS		
Temperature: 26 °C	Relative Humidity: 45 %Air Pressure: 1020 hPaPower: 48 VDC			
Remarks:				

Plot 7.9.26 Conducted spurious emission measurements in the range 4.5 – 5.46 GHz





Plot 7.9.27 Conducted spurious emission measurements in the range 5.46 – 5.725 GHz CARRIER FREQUENCY 5840 MHz

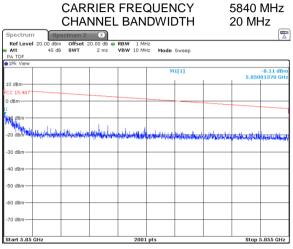


Date: 12.FEB.2019 18:28:28



Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Vardiate	PASS	
Date(s):	11-Feb-19	- Verdict: PASS		
Temperature: 26 °C	Relative Humidity: 45 %Air Pressure: 1020 hPaPower: 48 VDC			
Remarks:	-			

Plot 7.9.28 Conducted spurious emission measurements in the range 5.85 – 6.4 GHz



Spectrum	Spectrum 2	X					
RefLevel 0.00 Att 1 PA TDF	dBm Offset 20 0 dB SWT		1 MHz 10 MHz Mode	Sweep			
 1Pk View FCC 15.407 			1	M1[1]			20.19 dBm 55140 GHz
-10 dBm							
-80 dBm							
-40 dBm							
-50 dam	lakin wakain katalan	Linderlangeta bibliotation	Nijherburgsense Asjant werdense "He	ere let an ort where	alahunnaadan	abducturanyt	enthering the state
-70 dBm							
-80 dBm							
-90 dBm							
Start 5.855 GHz			2001 pts			Sto	p 6.4 GHz

Date: 12.FEB.2019 18:30:32

Date: 12.FEB.2019 18:31:52



Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions						
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7						
Test mode:	Compliance	Verdict:	PASS				
Date(s):	11-Feb-19	verdict.	FA33				
Temperature: 26 °C	Relative Humidity: 45 %	Air Pressure: 1020 hPa	Power: 48 VDC				
Remarks:							

7.10 Conducted out of band emissions at 5725 – 5850 MHz range

7.10.1 General

This test was performed to measure spurious emissions from the EUT near the band edges and within the pass band of the antenna. Specification test limits are given in Table 7.10.1 & EIRP of undesirable emission limits are given in Table 7.10.2

Table 7.10.1 Unwanted emissions limit within restricted bands above 1 GHz

	Frequency, MHz	Field strength a	t 3 m, dB(µV/m)*	Equivalent	EIRP*, dBm
	Frequency, winz	Peak	Average	Peak	Average
	1000 - 40000	74.0	54.0	-21.2	-41.2
*		a a a la vlata d'a a fallav	" Field strength OF	0	-

* Equivalent EIRP was calculated as follow: Field strength – 95.2

Table 7.10.2 EIRP of undesirable emission limits outside restricted bands above 1 GHz

Frequency, MHz	EIRP of spurious, dBm/MHz
Outside 5725-5850 band	-27 (below 5.650 GHz and above 5.925 GHz) -27 increasing linearly to 10 (in 5.650 - 5.700 GHz and 5.925 - 5.875 GHz) 10 increasing linearly to 15.6 (in 5.700 - 5.720 GHz and 5.875 - 5.855 GHz) 15.6 increasing linearly to 27 (in 5.720 - 5.725 GHz and 5.855 - 5.850 GHz)

7.10.2 Test procedure

- 7.10.2.1 The EUT was set up as shown in Figure 7.10.1, energized and the performance check was conducted.
- 7.10.2.2 The EUT was adjusted to produce maximum available to end user RF output power at the lowest carrier frequency.
- 7.10.2.3 The spectrum analyzer span was set to capture the carrier frequency and associated modulation products. The resolution bandwidth was set to 1 MHz.
- 7.10.2.4 The spectrum analyzer was set in max hold mode and allowed trace to stabilize. The highest emission level within the authorized band was measured.
- 7.10.2.5 The maximum band edge emission and modulation product outside of the band were measured as provided in the associated tables and plots.
- **7.10.2.6** The above procedure was repeated with the EUT adjusted to produce maximum RF output power at the mid and highest carrier frequencies.
- 7.10.2.7 Test results are shown in the Table 7.10.3, Table 7.10.4, Table 7.10.5 and the associated plots.

Figure 7.10.1 Setup for conducted spurious emissions





Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions						
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7						
Test mode:	Compliance	Verdict: PASS					
Date(s):	11-Feb-19	verdict.	FA33				
Temperature: 26 °C	Relative Humidity: 45 %	Air Pressure: 1020 hPa Power: 48 VDC					
Remarks:							

Table 7.10.3 Conducted spurious emission within restricted band test results

ASSIGNE	ASSIGNED FREQUENCY:					– 5.850 GI	Ηz				
INVESTIG	INVESTIGATED FREQUENCY RANGE:					- 6400 MHz	2				
MODULAT	TION:				QPSk	<					
DETECTC	OR USED:				Peak/	Average					
RESOLUT	TION BAN	DWIDTH:			1000	kHz					
EUT CON	FIGURAT	ION:			1 carr	ier, 1 secto	r (4 ports to 2	dual slant	antenna	as),	
					coher	ent signal					
CHANNEL	BANWID	TH:			10 Mł	Ηz					
Frequency,	Antenna	Antenna	Peak				Average				
MHz	gain, dBi	gain	SA reading,	EIRP**,	Limit,	Margin***,	SA reading,	EIRP**,	Limit,	Margin***,	Verdict
	gain, abi	array*, dB	dBm	dBm/MHz	dBm	dB	dBm	dBm/MHz	dBm	dB	
Low carrie	r frequen	су									
4993.910	17.0	6.0	-60.09	-37.09	-21.2	-15.89	-71.25	-45.76	-41.2	-4.56	Pass
Mid carrier	Mid carrier frequency										
5365.730	17.0	6.0	-56.42	-33.42	-21.2	-12.22	-71.05	-45.56	-41.2	-4.36	Pass
High carrie	High carrier frequency										
5060.600	17.0	6.0	-57.10	-34.10	-21.2	-12.90	-70.96	-45.47	-41.2	-4.27	Pass

CHANNEL BANWIDTH:					15 MH	Ηz					
Frequency,	Antenna	Antenna		Peak				Averag	е		
	gain, dBi	gain array*, dB	SA reading, dBm	EIRP**, dBm/MHz	Limit, dBm	Margin***, dB	SA reading, dBm	EIRP**, dBm/MHz	Limit, dBm	Margin***, dB	Verdict
Low carrie	Low carrier frequency										
5320.150	17.0	6.0	-58.79	-35.79	-21.2	-14.59	-70.44	-44.95	-41.2	-3.75	Pass
Mid carrier	frequenc	;y									
5257.300	17.0	6.0	-58.76	-35.76	-21.2	-14.56	-70.83	-45.34	-41.2	-4.14	Pass
High carrier frequency											
5041.890	17.0	6.0	-58.56	-35.56	-21.2	-14.36	-72.75	-47.26	-41.2	-6.06	Pass

CHANNEL	BANWID	TH:			20 MH	Ηz					
		Antenna		Peak				Averag	е		
Frequency, MHz	Antenna gain, dBi	agin	SA reading, dBm	Peak EIRP**, dBm/MHz	Limit, dBm	Margin***, dB	SA reading, dBm	Average EIRP****, dBm/MHz	Limit, dBm	Margin***, dB	Verdict
Low carrie	Low carrier frequency										
5284.170	17.0	6.0	-59.50	-36.50	-21.2	-15.30	-70.39	-44.90	-41.2	-3.70	Pass
Mid carrier	frequenc	;y									
5249.630	17.0	6.0	-59.66	-36.66	-21.2	-15.46	-70.73	-45.24	-41.2	-4.04	Pass
High carrier frequency											
5011.180	17.0	6.0	-60.08	-37.08	-21.2	-15.88	-73.07	-47.58	-41.2	-6.38	Pass
			•				•			•	

* - Antenna gain array = $10\log(N_{ant})$, where $N_{ant} = 4$ (two cross-polarized antennas with coherent signals) ** - Peak EIRP = SA reading + Antenna gain + Antenna gain array

*** - Margin = EIRP - specified limit.

**** - Average EIRP = SA reading + Antenna gain + Antenna gain array + Duty cycle factor

Table 7.10.4 Duty cycle factor calculation

Burst dra	dration, ms Burst period, ms		Duty cycle*	Duty cycle factor**, dB		
2.8	2	5.00	0.564	2.49		

*- Duty cycle = Burst duration / Burst period

** - Duty cycle factor = 10log(1/Duty cycle)



Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions							
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7							
Test mode:	Compliance	Verdict:	PASS					
Date(s):	11-Feb-19	veraici.	FA33					
Temperature: 26 °C	Relative Humidity: 45 %	Air Pressure: 1020 hPa	Power: 48 VDC					
Remarks:								

Table 7.10.5 Conducted spurious emission outside restricted band test results

ASSIGNED FREQUENCY RANGE: 5.725 – 5.850 GHz INVESTIGATED FREQUENCY RANGE: 4500 - 6400 MHz MODULATION: QPSK DETECTOR USED: Peak RESOLUTION BANDWIDTH 1000 kHz EUT CONFIGURATION: 1 carrier, 1 sector (4 ports to 2 dual slant antennas), coherent signal CHANNEL BANWIDTH: 10 MHz							as),		
Frequency, MHz	SA reading, dBm	Antenna gain, dBi	Antenna gain array*, dB	EIRP**, dBm/MHz	Limit, dBm/MHz	Margin***, dB	Verdict		
Low carrier fre	quency								
5298.080	-58.84	17.0	6.0	-35.84	-27.0	-8.84	Pass		
5719.810	-19.71	17.0	6.0	3.29	15.5	-12.26	Pass		
5724.500	-11.91	17.0	6.0	11.09	25.9	-14.77	Pass		
Mid carrier free	Mid carrier frequency								
5226.600	-56.12	17.0	6.0	-33.12	-27.0	-6.12	Pass		
High carrier fre	equency								
5337.420	-56.20	17.0	6.0	-33.20	-27.0	-6.20	Pass		
5850.500	-18.01	17.0	6.0	4.99	25.9	-20.87	Pass		
5856.500	-19.57	17.0	6.0	3.43	15.2	-11.75	Pass		
CHANNEL BAN	NIDTH:			15 MHz					
Frequency, MHz	SA reading, dBm	Antenna gain, dBi	Antenna gain array*, dB	EIRP**, dBm/MHz	Limit, dBm/MHz	Margin***, dB	Verdict		
Low carrier fre	quency								
5220.360	-59.79	17.0	6.0	-36.79	-27.0	-9.79	Pass		
5719.550	-16.96	17.0	6.0	6.04	15.5	-9.43	Pass		
5724.996	-1.99	17.0	6.0	21.01	27.0	-5.98	Pass		
Mid carrier free									
5384.940	-58.75	17.0	6.0	-35.75	-27.0	-8.75	Pass		
High carrier fre	equency								
5850.049	-2.89	17.0	6.0	20.11	26.9	-6.78	Pass		
5855.680	-21.09	17.0	6.0	1.91	15.4	-13.50	Pass		



Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions						
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7						
Test mode:	Compliance						
Date(s):	11-Feb-19	Verdict: PASS					
Temperature: 26 °C	Relative Humidity: 45 %	Air Pressure: 1020 hPa Power: 48 VDC					
Remarks:							

Table 7.10.5 Conducted spurious emission outside restricted band test results

ASSIGNED FREQUENCY RANGE: INVESTIGATED FREQUENCY RANGE: MODULATION: DETECTOR USED: RESOLUTION BANDWIDTH EUT CONFIGURATION: CHANNEL BANWIDTH:			5.725 – 5.850 GHz 4500 - 6400 MHz QPSK Peak 1000 kHz 1 carrier, 1 sector (coherent signal 20 MHz		al slant antenna	as),	
Frequency, MHz	SA reading, dBm			Verdict			
Low carrier fre	quency						
5276.010	-59.50	17.0	6.0	-36.50	-27.0	-9.50	Pass
5718.640	-16.56	17.0	6.0	6.44	15.2	-8.78	Pass
5724.986	-4.89	17.0	6.0	18.11	27.0	-8.86	Pass
Mid carrier free	Mid carrier frequency						
5248.670	-59.66	17.0	6.0	-36.66	-27.0	-9.66	Pass
High carrier frequency							
5850.031	-8.03	17.0	6.0	14.97	26.9	-11.96	Pass
5855.140	-20.19	17.0	6.0	2.81	15.6	-12.75	Pass

* - Antenna gain array = $10\log(N_{ant})$, where $N_{ant} = 2$ (two cross-polarized antennas)

** - EIRP = SA reading + Antenna gain + Antenna gain array

*** - Margin = EIRP - specified limit.

Reference numbers of test equipment used

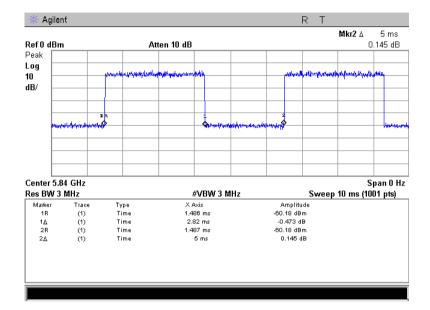
HL 3901 HL 4355			

Full description is given in Appendix A.



Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Vardiate	DASS	
Date(s):	11-Feb-19	Verdict: PASS		
Temperature: 26 °C	Relative Humidity: 45 %	Air Pressure: 1020 hPa	Power: 48 VDC	
Remarks:	• •	·	•	

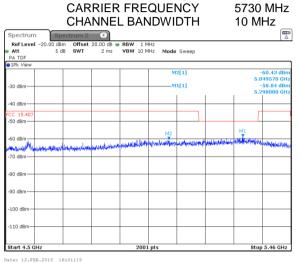
Plot 7.10.1 Duty cycle

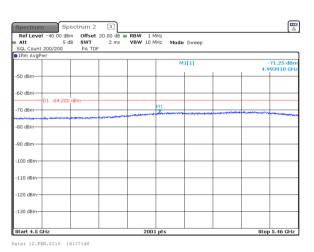




Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Mandiata	PASS	
Date(s):	11-Feb-19	- Verdict: PASS		
Temperature: 26 °C	Relative Humidity: 45 %	Air Pressure: 1020 hPa	Power: 48 VDC	
Remarks:				

Plot 7.10.2 Conducted spurious emission measurements in the range 4.5 - 5.46 GHz

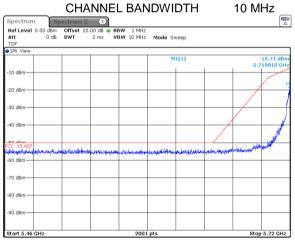


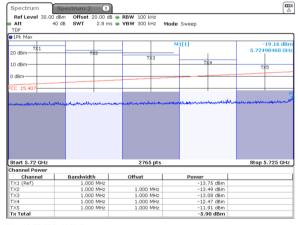


Date: 12.FEB.2019 16:01:19

*Applied Limit = Specification limit – Antenna Gain – Antenna Array gain

Plot 7.10.3 Conducted spurious emission measurements in the range 5.46 - 5.725 GHz CARRIER FREQUENCY 5730 MHz





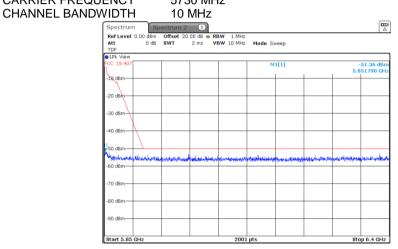
Date: 12.FEB.2019 16:33:08

Date: 12.FEB.2019 16:30:49



Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	11-Feb-19	Verdict: PASS		
Temperature: 26 °C	Relative Humidity: 45 %	Air Pressure: 1020 hPa	Power: 48 VDC	
Remarks:				

Plot 7.10.4 Conducted spurious emission measurements in the range 5.85 – 6.4 GHz CARRIER FREQUENCY 5730 MHz

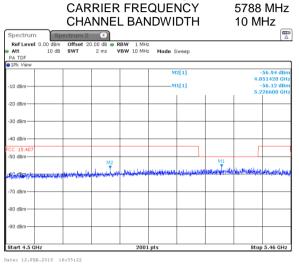


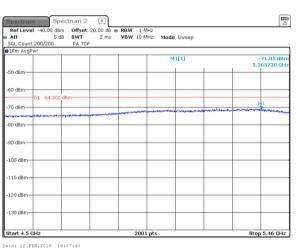
Date: 12.FEB.2019 16:34:18



Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	11-Feb-19	Verdict: PASS		
Temperature: 26 °C	Relative Humidity: 45 %	Air Pressure: 1020 hPa	Power: 48 VDC	
Remarks:				

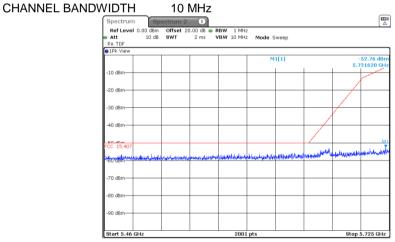
Plot 7.10.5 Conducted spurious emission measurements in the range 4.5 – 5.46 GHz





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Plot 7.10.6 Conducted spurious emission measurements in the range 5.46 – 5.725 GHz CARRIER FREQUENCY 5788 MHz

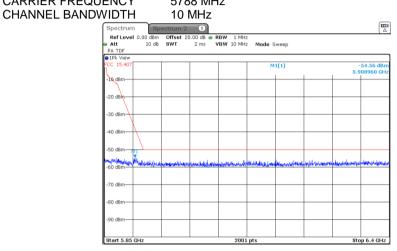


Date: 12.FEB.2019 16:53:22



Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	11-Feb-19	Verdict: PASS		
Temperature: 26 °C	Relative Humidity: 45 %	Air Pressure: 1020 hPa	Power: 48 VDC	
Remarks:				

Plot 7.10.7 Conducted spurious emission measurements in the range 5.85 – 6.4 GHz CARRIER FREQUENCY 5788 MHz

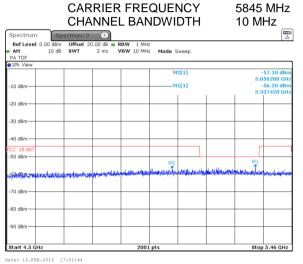


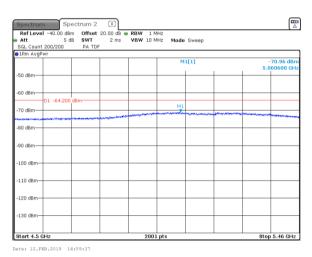
Date: 12.FEB.2019 16:54:21



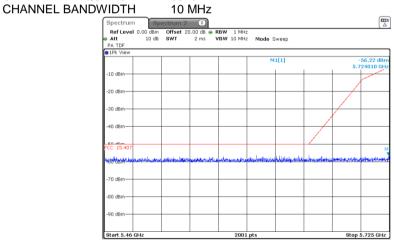
Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Mandiata	PASS	
Date(s):	11-Feb-19	- Verdict: PASS		
Temperature: 26 °C	Relative Humidity: 45 %	Air Pressure: 1020 hPa	Power: 48 VDC	
Remarks:				

Plot 7.10.8 Conducted spurious emission measurements in the range 4.5 – 5.46 GHz





Plot 7.10.9 Conducted spurious emission measurements in the range 5.46 – 5.725 GHz CARRIER FREQUENCY 5845 MHz

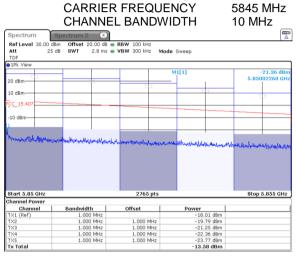


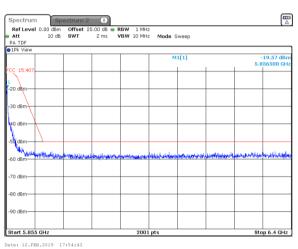
Date: 12.FEB.2019 17:03:05



Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	11-Feb-19	Verdict: PASS		
Temperature: 26 °C	Relative Humidity: 45 %	Air Pressure: 1020 hPa	Power: 48 VDC	
Remarks:				

Plot 7.10.10 Conducted spurious emission measurements in the range 5.85 – 6.4 GHz



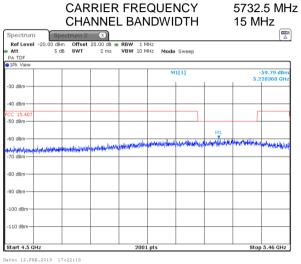


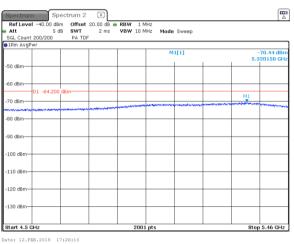
Date: 12.FEB.2019 17:57:00



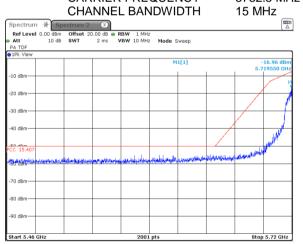
Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Mandiata	PASS	
Date(s):	11-Feb-19	- Verdict: PASS		
Temperature: 26 °C	Relative Humidity: 45 %	Air Pressure: 1020 hPa	Power: 48 VDC	
Remarks:				

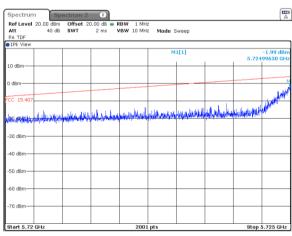
Plot 7.10.11 Conducted spurious emission measurements in the range 4.5 - 5.46 GHz





Plot 7.10.12 Conducted spurious emission measurements in the range 5.46 - 5.725 GHz CARRIER FREQUENCY 5732.5 MHz





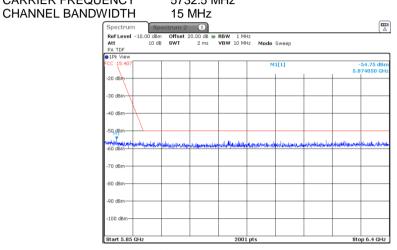
Date: 12.FEB.2019 17:23:33

Date: 12.FEB.2019 17:24:39



Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	11-Feb-19	Verdict: PASS		
Temperature: 26 °C	Relative Humidity: 45 %	Air Pressure: 1020 hPa	Power: 48 VDC	
Remarks:				

Plot 7.10.13 Conducted spurious emission measurements in the range 5.85 – 6.4 GHz CARRIER FREQUENCY 5732.5 MHz

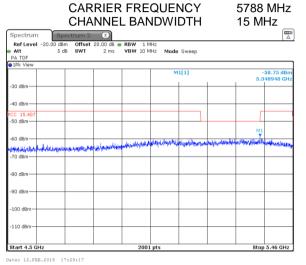


Date: 12.FEB.2019 17:21:20



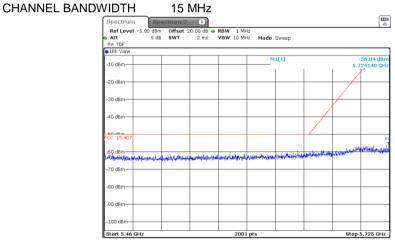
Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions			
Test procedure:	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	11-Feb-19	verdict: PASS		
Temperature: 26 °C	Relative Humidity: 45 %	Air Pressure: 1020 hPa	Power: 48 VDC	
Remarks:				

Plot 7.10.14 Conducted spurious emission measurements in the range 4.5 – 5.46 GHz





Plot 7.10.15 Conducted spurious emission measurements in the range 5.46 – 5.725 GHz CARRIER FREQUENCY 5788 MHz

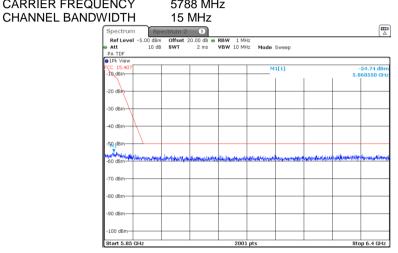


Date: 12.FEB.2019 17:30:19



Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band 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):	11-Feb-19	Verdict: PASS					
Temperature: 26 °C	Relative Humidity: 45 %Air Pressure: 1020 hPaPower: 48 VDC						
Remarks:							

Plot 7.10.16 Conducted spurious emission measurements in the range 5.85 – 6.4 GHz CARRIER FREQUENCY 5788 MHz

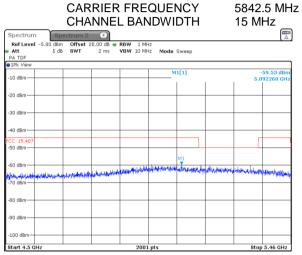


Date: 12.FEB.2019 17:31:22



Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions						
Test procedure:	KDB 662911; KDB 789033, AI	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7					
Test mode:	Compliance	Vardiat: DACC					
Date(s):	11-Feb-19	Verdict: PASS					
Temperature: 26 °C	Relative Humidity: 45 %Air Pressure: 1020 hPaPower: 48 VDC						
Remarks:	-						

Plot 7.10.17 Conducted spurious emission measurements in the range 4.5 – 5.46 GHz



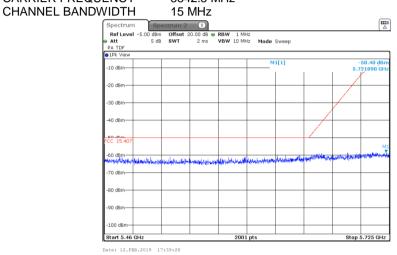


Date: 12.FEB.2019 17:38:41



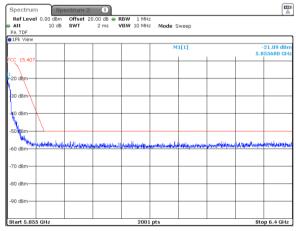
Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions						
Test procedure:	KDB 662911; KDB 789033, AN	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7					
Test mode:	Compliance						
Date(s):	11-Feb-19	Verdict: PASS					
Temperature: 26 °C	Relative Humidity: 45 %Air Pressure: 1020 hPaPower: 48 VDC						
Remarks:							

Plot 7.10.18 Conducted spurious emission measurements in the range 5.46 – 5.725 GHz CARRIER FREQUENCY 5842.5 MHz



Plot 7.10.19 Conducted spurious emission measurements in the range 5.85 – 6.4 GHz CARRIER FREQUENCY 5842.5 MHz

		СНА	NNE	L BAN	IDWI	DTH		15 M	Hz
Spectrum	Spec	trum 2	×						
Ref Level 20.			20.00 dB 👄	10011 2101					
Att PA TDF	45 dB	SWT	2 ms	VBW 10 MF	iz Mode	Sweep			
• 1Pk View									
					м	1[1]		5.050	-2.89 dBm 04870 GHz
10 dBm								5.850	04870 GH2
CC 15.407									
Mar .									
-10 68m									
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-30 dBm									
-30 UBII									
-40 dBm									
-50 dBm									
-60 dBm									
-70 dBm									
Start 5.85 GHz				2001	pts			Stop	5.855 GHz



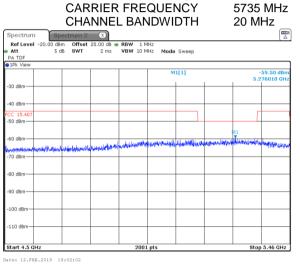
Date: 12.FEB.2019 17:41:24

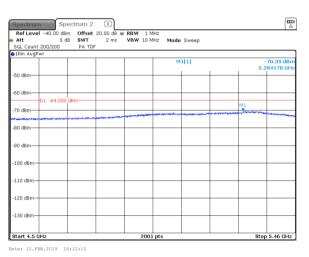
Date: 12.FEB.2019 17:43:16



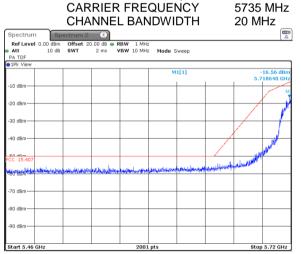
Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band emissions						
Test procedure:	KDB 662911; KDB 789033, AN	KDB 662911; KDB 789033, ANSI C63.10, section 12.7.6 & 12.7.7					
Test mode:	Compliance	Verdict:	PASS				
Date(s):	11-Feb-19	- verdict: PASS					
Temperature: 26 °C	Relative Humidity: 45 %	Air Pressure: 1020 hPa Power: 48 VDC					
Remarks:							

Plot 7.10.20 Conducted spurious emission measurements in the range 4.5 – 5.46 GHz





Plot 7.10.21 Conducted spurious emission measurements in the range 5.46 - 5.725 GHz



Att PA TDF	50 dB	SWT	2 ms	/BW 10 MH:	Mode 9	Sweep			
1Pk View					м	1[1]			-4.89 dB
20 dBm						-	-	5.724	198630 GF
10 dBm									
0 dBm									
CC 15.407									
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	ergedisessili	under bie Nijel	ondoniation	loogtalloonadiatees	harg alq ilisih sekihili	ucacichinalist	UNUM databatish	escielles en las	
-30 dBm	erapalipinskih	unalus histogra	nadantantan	layhithasoldingi.	han defined a second	alasiultinaliul	ahlish.danfunsh	aidania	

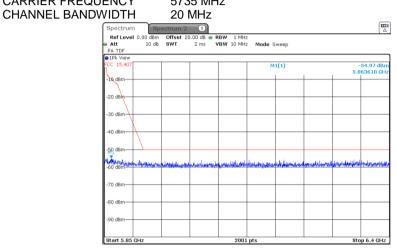
Date: 12.FEB.2019 18:04:04

Date: 12.FEB.2019 18:05:11



Test specification:	FCC section 15.407(b), RSS-247 section 6.2.4.2, Conducted out of band 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):	11-Feb-19	Verdict: PASS					
Temperature: 26 °C	Relative Humidity: 45 %	elative Humidity: 45 % Air Pressure: 1020 hPa Power: 48 VDC					
Remarks:							

Plot 7.10.22 Conducted spurious emission measurements in the range 5.85 – 6.4 GHz CARRIER FREQUENCY 5735 MHz



Date: 12.FEB.2019 18:06:14