



# RADIO TEST REPORT

**FCC ID** : RRKEM060KALPHA  
**Equipment** : LTE Module  
**Brand Name** : ALPHA  
**Model Name** : EM060K-GL-ALPHA  
**Applicant** : Alpha Networks Inc.  
No.8, Li-shing 7th Rd., Science-based Industrial Park,  
Hsinchu, Taiwan 300  
**Manufacturer** : Alpha Networks Inc.  
No.8, Li-shing 7th Rd., Science-based Industrial Park,  
Hsinchu, Taiwan 300  
**Standard** : 47 CFR Part 22(H), 24(E), 27

The product was received on Mar. 29, 2023, and testing was started from Apr. 22, 2023 and completed on Nov. 30, 2023. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

**Sporton International Inc. Hsinchu Laboratory**

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### Summary of Test Result

Report Clause	Band	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	5, 26	2.1046	Conducted Output Power	Reporting only	-
	2, 25	2.1046			
	4, 66	2.1046			
	12, 17	2.1046			
	13	2.1046			
	7, 38, 41	2.1046			
	71	2.1046			
3.1	5, 26	22.913(a)(2)	Effective Radiated Power	PASS	-
	13	27.50(b)(10)			
	12, 17, 71	27.50(c)(10)			
	2, 25	24.232(c)			
	4, 66	27.50(d)(4)			
	7, 38, 41	27.50(h)(2)			
3.2	5, 26	22.913(d)	Peak-to-Average Ratio	PASS	-
	2, 25	24.232(d)			
	4, 66	27.50(d)(5)			
	12, 17	-			
	13	-			
	7, 38, 41	-			
	71	-			
3.3	-	2.1049	Occupied Bandwidth	PASS	-
3.4	5, 26	2.1051 22.917(a)	Conducted Band Edge	PASS	-
	2, 25	2.1051 24.238(a)			
	4, 66	2.1051 27.53(h)			
	12, 17	2.1051 27.53(g)			
	13	2.1051 27.53(c)			
	7, 38, 41	2.1051 27.53(m)(4)			



	71	2.1051 27.53(g)			
3.5	5, 26	2.1051 22.917(a)	Conducted Spurious Emission	PASS	-
	2, 25	2.1051 24.238(a)			
	4, 66	2.1051 27.53(h)			
	12, 17	2.1051 27.53(g)			
	13	2.1051 27.53(c)			
	7, 38, 41	2.1051 27.53(m)(4)			
	71	2.1051 27.53(g)			
3.6	5, 26	2.1053 22.917(a)	Radiated Spurious Emission	PASS	-
	2, 25	2.1053 24.238(a)			
	4, 66	2.1053 27.53(h)			
	12, 17	2.1053 27.53(g)			
	13	2.1053 27.53(c)(f)			
	7, 38, 41	2.1053 27.53(m)(4)			
	71	2.1051 27.53(g)			
3.7	5, 26	2.1055 22.355	Frequency Stability for Temperature & Voltage	PASS	-
	2, 25	2.1055 24.235			
	4, 66	2.1055 27.54			
	12, 17	2.1055 27.54			
	13	2.1055 27.54			
	7, 38, 41	2.1055 27.54			
	71	2.1055 27.54			



**Conformity Assessment Condition:**

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturee who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

**Disclaimer:**

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

**Reviewed by: Sam Chen**

**Report Producer: Sandy Chuang**



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

Items	Description
EUT Power Type	From host system
Downlink (MHz)	WCDMA Band 2: 1930~1990 WCDMA Band 4: 2110~2155 WCDMA Band 5: 869~894 LTE Band 2: 1930~1990 LTE Band 4: 2110~2155 LTE Band 5: 869~894 LTE Band 7: 2620~2690 LTE Band 12: 729~746 LTE Band 13: 746~756 LTE Band 17: 734~746 LTE Band 25: 1930~1995 LTE Band 26: 869 ~ 894 LTE Band 38: 2570~2620 LTE Band 41: 2496~2690 LTE Band 66: 2110~2200 LTE Band 71: 617~652
Uplink (MHz)	WCDMA Band 2: 1850~1910 WCDMA Band 4: 1710~1755 WCDMA Band 5: 824~849 LTE Band 2: 1850~1910 LTE Band 4: 1710~1755 LTE Band 5: 824~849 LTE Band 7: 2500~2570 LTE Band 12: 699~716 LTE Band 13: 777~787 LTE Band 17: 704~716 LTE Band 25: 1850~1915 LTE Band 26: 824 ~ 849 LTE Band 38: 2570~2620 LTE Band 41: 2496~2690 LTE Band 66: 1710~1780 LTE Band 71: 663~698



Bandwidth (MHz)	WCDMA Band 2: 5 WCDMA Band 4: 5 WCDMA Band 5: 5 LTE Band 2: 1.4 / 3 / 5 / 10 / 15 / 20 LTE Band 4: 1.4 / 3 / 5 / 10 / 15 / 20 LTE Band 5: 1.4 / 3 / 5 / 10 LTE Band 7: 5 / 10 / 15 / 20 LTE Band 12: 1.4 / 3 / 5 / 10 LTE Band 13: 5 / 10 LTE Band 17: 5 / 10 LTE Band 25: 1.4 / 3 / 5 / 10 / 15 / 20 LTE Band 26: 1.4 / 3 / 5 / 10 / 15 LTE Band 38: 5 / 10 / 15 / 20 LTE Band 41: 5 / 10 / 15 / 20 LTE Band 66: 1.4 / 3 / 5 / 10 / 15 / 20 LTE Band 71: 5 / 10 / 15 / 20
Type of Modulation	WCDMA: BPSK / QPSK / 16 QAM HSDPA: BPSK / QPSK / 16 QAM HSUPA: BPSK / QPSK / 16 QAM LTE: QPSK/16QAM/64QAM
RF Test Tool Software of EUT	No test software was used during testing.

Note: The above information was declared by manufacturer.





**1.1.2 Antenna Information**

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1/2	PSA	RFDPA161500SMMB805	Dipole	SMA	Note 1
2	1/2	Ventev	M3030050O20006	Dipole	N-Female	
3	1/2	PTY	XPOL-2-5G-US	Patch	N-Female	

Note 1:

WCDMA WWAN antenna Gain								
Ant.	Band	Band 2	Band 4	Band 5	Cable Loss	WCDMA Net Gain (dBi)		
	Band					Band 2	Band 4	Band 5
1	5	5	5	3	-	5	5	3
2	5	5	5	3	2.5	2.5	2.5	0.5
3	10	10	10	9	2.5	7.5	7.5	6.5

LTE WWAN antenna Gain																	
Ant.	Band	Band 2	Band 4	Band 5	Band 7	Band 12	Band 13	Band 14	Band 17	Band 25	Band 26	Band 30	Band 38	Band 41	Band 48	Band 66	Band 71
	1	5	5	3	5	3	3	3	3	3	5	3	5	5	5	5	5
2	5	5	3	5	3	3	3	3	3	5	3	5	5	5	5	5	3
3	10	10	9	10	9	9	9	9	9	10	9	10	10	10	11	10	9
Ant.	Band	Cable Loss															
	1	-															
2	2.5																
3	2.5																
Ant.	Band	Band 2	Band 4	Band 5	Band 7	Band 12	Band 13	Band 14	Band 17	Band 25	Band 26	Band 30	Band 38	Band 41	Band 48	Band 66	Band 71
1	5	5	3	5	3	3	3	3	3	5	3	5	5	5	5	5	3
2	2.5	2.5	0.5	2.5	0.5	0.5	0.5	0.5	0.5	2.5	0.5	2.5	2.5	2.5	2.5	2.5	0.5
3	7.5	7.5	6.5	7.5	6.5	6.5	6.5	6.5	6.5	7.5	6.5	7.5	7.5	7.5	8.5	7.5	6.5

Note 2: The above information was declared by manufacturer.

Note 3: For RF Conducted Test: Only the highest gain antenna “Ant. 3” was selected to perform the test and recorded in this report.

Note 4: Both Port 1 and Port 2 could be used as receiving antennas.

Only Port 1 antenna can transmit RF signal.



**1.1.3 Maximum ERP/EIRP Power, Frequency Tolerance, and Emission Designator**

WCDMA												
Band	Bandwidth (MHz)	TX Frequency (MHz)	Type of Modulation	Max. Conducted Power		Max. ERP Power		Max. EIRP Power		99% Occupied Bandwidth (MHz)	Emission Designator	Frequency Tolerance (ppm)
				(dBm)	(W)	(dBm)	(W)	(dBm)	(W)			
2	5	1852.4 ~ 1907.6	QPSK	21.05	0.127	-	-	28.55	0.716	4.223	4M22F9W	0.0081
4	5	1712.4 ~ 1752.6	QPSK	21.18	0.131	-	-	28.68	0.738	4.223	4M22F9W	0.0091
5	5	826.4 ~ 846.6	QPSK	22.49	0.177	26.84	0.483	-	-	4.235	4M24F9W	0.0023



LTE														
Band	Bandwidth (MHz)	TX Frequency (MHz)	Type of Modulation	Max. Conducted Power		Max. ERP Power		Max. EIRP Power		99% Occupied Bandwidth (MHz)	Emission Designator	Frequency Tolerance (ppm)		
				(dBm)	(W)	(dBm)	(W)	(dBm)	(W)					
2	1.4	1850.7 ~ 1909.3	QPSK	22.56	0.180	-	-	30.06	1.014	1.074	1M07G7D	0.0097		
			16QAM	21.94	0.156	-	-	29.44	0.879	1.072	1M07W7D			
			64QAM	21.82	0.152	-	-	29.32	0.855	1.072	1M07W7D			
	3	1851.5 ~ 1908.5	QPSK	22.60	0.182	-	-	30.10	1.023	2.942	2M94G7D			
			16QAM	21.99	0.158	-	-	29.49	0.889	2.927	2M93W7D			
			64QAM	21.83	0.152	-	-	29.33	0.857	2.931	2M93W7D			
	5	1852.5 ~ 1907.5	QPSK	22.68	0.185	-	-	30.18	1.042	4.679	4M68G7D			
			16QAM	22.03	0.160	-	-	29.53	0.897	4.648	4M65W7D			
			64QAM	21.88	0.154	-	-	29.38	0.867	4.641	4M64W7D			
	10	1855.0 ~ 1905.0	QPSK	22.72	0.187	-	-	30.22	1.052	9.095	9M10G7D			
			16QAM	22.13	0.163	-	-	29.63	0.918	9.02	9M02W7D			
			64QAM	21.93	0.156	-	-	29.43	0.877	9.045	9M05W7D			
	15	1857.5 ~ 1902.5	QPSK	22.67	0.185	-	-	30.17	1.040	13.493	13M5G7D			
			16QAM	22.00	0.158	-	-	29.50	0.891	13.437	13M4W7D			
			64QAM	21.87	0.154	-	-	29.37	0.865	13.475	13M5W7D			
	20	1860.0 ~ 1900.0	QPSK	22.70	0.186	-	-	30.20	1.047	17.891	17M9G7D			
			16QAM	22.05	0.160	-	-	29.55	0.902	17.891	17M9W7D			
			64QAM	21.86	0.153	-	-	29.36	0.863	17.891	17M9W7D			
	4	1.4	1710.7 ~ 1754.3	QPSK	22.32	0.171	-	-	29.82	0.959	1.074		1M07G7D	0.011
				16QAM	21.74	0.149	-	-	29.24	0.839	1.072		1M07W7D	
				64QAM	21.49	0.141	-	-	28.99	0.793	1.074		1M07W7D	
3		1711.5 ~ 1753.5	QPSK	22.32	0.171	-	-	29.82	0.959	2.942	2M94G7D			
			16QAM	21.66	0.147	-	-	29.16	0.824	2.927	2M93W7D			
			64QAM	21.49	0.141	-	-	28.99	0.793	2.935	2M94W7D			
5		1712.5 ~ 1752.5	QPSK	22.40	0.174	-	-	29.90	0.977	4.666	4M67G7D			
			16QAM	21.72	0.149	-	-	29.22	0.836	4.648	4M65W7D			
			64QAM	21.57	0.144	-	-	29.07	0.807	4.648	4M65W7D			
10		1715.0 ~ 1750.0	QPSK	22.45	0.176	-	-	29.95	0.989	9.095	9M10G7D			
			16QAM	21.78	0.151	-	-	29.28	0.847	9.033	9M03W7D			
			64QAM	21.59	0.144	-	-	29.09	0.811	9.045	9M05W7D			
15		1717.5 ~ 1747.5	QPSK	22.40	0.174	-	-	29.90	0.977	13.493	13M5G7D			
			16QAM	21.63	0.146	-	-	29.13	0.818	13.456	13M5W7D			
			64QAM	21.53	0.142	-	-	29.03	0.800	13.475	13M5W7D			
20		1720.0 ~ 1745.0	QPSK	22.36	0.172	-	-	29.86	0.968	17.891	17M9G7D			
			16QAM	21.70	0.148	-	-	29.20	0.832	17.916	17M9W7D			
			64QAM	21.52	0.142	-	-	29.02	0.798	17.866	17M9W7D			



Band	Bandwidth (MHz)	TX Frequency (MHz)	Type of Modulation	Max. Conducted Power		Max. ERP Power		Max. EIRP Power		99% Occupied Bandwidth (MHz)	Emission Designator	Frequency Tolerance (ppm)
				(dBm)	(W)	(dBm)	(W)	(dBm)	(W)			
5	1.4	824.7 ~ 848.3	QPSK	21.62	0.145	25.97	0.395	-	-	1.074	1M07G7D	0.0102
			16QAM	21.92	0.156	26.27	0.423	-	-	1.072	1M07W7D	
			64QAM	21.80	0.151	26.15	0.412	-	-	1.072	1M07W7D	
	3	825.5 ~ 847.5	QPSK	21.76	0.150	26.11	0.408	-	-	2.939	2M94G7D	
			16QAM	21.98	0.158	26.33	0.429	-	-	2.92	2M92W7D	
			64QAM	21.90	0.155	26.25	0.421	-	-	2.931	2M93W7D	
	5	826.5 ~ 846.5	QPSK	21.85	0.153	26.20	0.416	-	-	4.679	4M68G7D	
			16QAM	22.05	0.160	26.40	0.436	-	-	4.66	4M66W7D	
			64QAM	21.92	0.156	26.27	0.423	-	-	4.641	4M64W7D	
	10	829.0 ~ 844.0	QPSK	21.96	0.157	26.31	0.427	-	-	9.095	9M10G7D	
			16QAM	22.24	0.167	26.59	0.456	-	-	9.02	9M02W7D	
			64QAM	21.98	0.158	26.33	0.429	-	-	9.045	9M05W7D	
7	5	2502.5 ~ 2567.5	QPSK	22.74	0.188	-	-	30.24	1.057	4.679	4M68G7D	0.0054
			16QAM	21.99	0.158	-	-	29.49	0.889	4.648	4M65W7D	
			64QAM	21.86	0.153	-	-	29.36	0.863	4.648	4M65W7D	
	10	2505 ~ 2565	QPSK	22.76	0.189	-	-	30.26	1.062	9.095	9M10G7D	
			16QAM	22.01	0.159	-	-	29.51	0.893	9.02	9M02W7D	
			64QAM	21.88	0.154	-	-	29.38	0.867	9.045	9M05W7D	
	15	2507.5 ~ 2562.5	QPSK	22.73	0.187	-	-	30.23	1.054	13.456	13M5G7D	
			16QAM	21.99	0.158	-	-	29.49	0.889	13.456	13M5W7D	
			64QAM	21.85	0.153	-	-	29.35	0.861	13.437	13M4W7D	
	20	2510 ~ 2560	QPSK	22.77	0.189	-	-	30.27	1.064	17.891	17M9G7D	
			16QAM	22.03	0.160	-	-	29.53	0.897	17.916	17M9W7D	
			64QAM	21.86	0.153	-	-	29.36	0.863	17.866	17M9W7D	
12	1.4	699.7 ~ 715.3	QPSK	21.83	0.152	26.18	0.414	-	-	1.074	1M07G7D	0.0137
			16QAM	21.97	0.157	26.32	0.428	-	-	1.072	1M07W7D	
			64QAM	21.89	0.155	26.24	0.420	-	-	1.074	1M07W7D	
	3	700.5 ~ 714.5	QPSK	21.87	0.154	26.22	0.418	-	-	2.935	2M94G7D	
			16QAM	22.02	0.159	26.37	0.433	-	-	2.927	2M93W7D	
			64QAM	21.97	0.157	26.32	0.428	-	-	2.935	2M94W7D	
	5	701.5 ~ 713.5	QPSK	21.91	0.155	26.26	0.422	-	-	4.673	4M67G7D	
			16QAM	22.10	0.162	26.45	0.441	-	-	4.654	4M65W7D	
			64QAM	21.98	0.158	26.33	0.429	-	-	4.648	4M65W7D	
	10	704.0 ~ 711.0	QPSK	21.92	0.156	26.27	0.423	-	-	9.07	9M07G7D	
			16QAM	22.24	0.167	26.59	0.456	-	-	9.02	9M02W7D	
			64QAM	22.06	0.161	26.41	0.437	-	-	9.045	9M05W7D	
13	5	779.5 ~ 784.5	QPSK	21.84	0.153	26.19	0.415	-	-	4.673	4M67G7D	0.0147
			16QAM	22.08	0.161	26.43	0.439	-	-	4.654	4M65W7D	
			64QAM	21.93	0.156	26.28	0.424	-	-	4.641	4M64W7D	
	10	782.0	QPSK	21.88	0.154	26.23	0.419	-	-	9.058	9M06G7D	
			16QAM	22.02	0.159	26.37	0.433	-	-	8.983	8M98W7D	
			64QAM	21.91	0.155	26.26	0.422	-	-	9.033	9M03W7D	



Band	Bandwidth (MHz)	TX Frequency (MHz)	Type of Modulation	Max. Conducted Power		Max. ERP Power		Max. EIRP Power		99% Occupied Bandwidth (MHz)	Emission Designator	Frequency Tolerance (ppm)		
				(dBm)	(W)	(dBm)	(W)	(dBm)	(W)					
17	5	706.5 ~ 713.5	QPSK	21.88	0.154	26.23	0.419	-	-	4.666	4M67G7D	0.0096		
			16QAM	22.13	0.163	26.48	0.444	-	-	4.648	4M65W7D			
			64QAM	21.98	0.158	26.33	0.429	-	-	4.648	4M65W7D			
	10	709 ~ 711	QPSK	22.02	0.159	26.37	0.433	-	-	9.095	9M10G7D			
			16QAM	22.18	0.165	26.53	0.449	-	-	9.008	9M01W7D			
			64QAM	22.19	0.166	26.54	0.450	-	-	9.033	9M03W7D			
25	1.4	1850.7 ~ 1914.3	QPSK	23.25	0.211	-	-	30.75	1.189	1.074	1M07G7D	0.007		
			16QAM	22.61	0.182	-	-	30.11	1.026	1.072	1M07W7D			
			64QAM	22.45	0.176	-	-	29.95	0.989	1.074	1M07W7D			
	3	1851.5 ~ 1913.5	QPSK	23.28	0.213	-	-	30.78	1.197	2.676	2M67G7D			
			16QAM	22.60	0.182	-	-	30.10	1.023	2.684	2M68W7D			
			64QAM	22.49	0.177	-	-	29.99	0.998	2.684	2M68W7D			
	5	1852.5 ~ 1912.5	QPSK	23.38	0.218	-	-	30.88	1.225	4.473	4M47G7D			
			16QAM	22.66	0.185	-	-	30.16	1.038	4.467	4M46W7D			
			64QAM	22.49	0.177	-	-	29.99	0.998	4.46	4M46W7D			
	10	1855~ 1910	QPSK	23.35	0.216	-	-	30.85	1.216	8.933	8M93G7D			
			16QAM	22.66	0.185	-	-	30.16	1.038	8.921	8M92W7D			
			64QAM	22.52	0.179	-	-	30.02	1.005	8.921	8M92W7D			
	15	1857.5 ~ 1907.5	QPSK	23.37	0.217	-	-	30.87	1.222	13.381	13M38G7D			
			16QAM	22.66	0.185	-	-	30.16	1.038	13.362	13M36W7D			
			64QAM	22.55	0.180	-	-	30.05	1.012	13.381	13M38W7D			
	20	1860 ~ 1905	QPSK	23.38	0.218	-	-	30.88	1.225	17.841	17M84G7D			
			16QAM	22.64	0.184	-	-	30.14	1.033	17.816	17M81W7D			
			64QAM	22.61	0.182	-	-	30.11	1.026	17.816	17M81W7D			
	26	1.4	824.7 ~ 848.3	QPSK	22.27	0.169	26.62	0.459	-	-	1.074		1M07G7D	0.0104
				16QAM	21.58	0.144	25.93	0.392	-	-	1.072		1M07W7D	
				64QAM	21.42	0.139	25.77	0.378	-	-	1.074		1M07W7D	
		3	825.5 ~ 847.5	QPSK	22.41	0.174	26.76	0.474	-	-	2.676		2M68G7D	
				16QAM	21.65	0.146	26.00	0.398	-	-	2.684		2M68W7D	
				64QAM	21.58	0.144	25.93	0.392	-	-	2.68		2M68W7D	
5		826.5~ 846.5	QPSK	22.48	0.177	26.83	0.482	-	-	4.473	4M47G7D			
			16QAM	21.75	0.150	26.10	0.407	-	-	4.46	4M46W7D			
			64QAM	21.64	0.146	25.99	0.397	-	-	4.46	4M46W7D			
10		829 ~ 844	QPSK	22.60	0.182	26.95	0.495	-	-	8.946	8M95G7D			
			16QAM	21.90	0.155	26.25	0.422	-	-	8.921	8M92W7D			
			64QAM	21.77	0.150	26.12	0.409	-	-	8.933	8M93W7D			
15		831.5 ~ 841.5	QPSK	22.58	0.181	26.93	0.493	-	-	13.381	13M4G7D			
			16QAM	21.91	0.155	26.26	0.423	-	-	13.362	13M4W7D			
			64QAM	21.78	0.151	26.13	0.410	-	-	13.381	13M4W7D			



Band	Bandwidth (MHz)	TX Frequency (MHz)	Type of Modulation	Max. Conducted Power		Max. ERP Power		Max. EIRP Power		99% Occupied Bandwidth (MHz)	Emission Designator	Frequency Tolerance (ppm)
				(dBm)	(W)	(dBm)	(W)	(dBm)	(W)			
38	5	2572.5 ~ 2617.5	QPSK	23.18	0.208	-	-	30.68	1.169	4.467	4M47G7D	0.0005
			16QAM	22.46	0.176	-	-	29.96	0.991	4.46	4M46W7D	
			64QAM	22.38	0.173	-	-	29.88	0.973	4.467	4M47W7D	
	10	2575 ~ 2615	QPSK	22.86	0.193	-	-	30.36	1.086	8.933	8M93G7D	
			16QAM	22.10	0.162	-	-	29.60	0.912	8.921	8M92W7D	
			64QAM	22.11	0.163	-	-	29.61	0.914	8.921	8M92W7D	
	15	2577.5 ~ 2612.5	QPSK	23.12	0.205	-	-	30.62	1.153	13.381	13M4G7D	
			16QAM	22.24	0.167	-	-	29.74	0.942	13.362	13M4W7D	
			64QAM	22.40	0.174	-	-	29.90	0.977	13.381	13M4W7D	
	20	2580 ~ 2610	QPSK	23.29	0.213	-	-	30.79	1.199	17.816	17M8G7D	
			16QAM	22.32	0.171	-	-	29.82	0.959	17.816	17M8W7D	
			64QAM	22.64	0.184	-	-	30.14	1.033	17.816	17M8W7D	
41	5	2498.5 ~ 2687.5	QPSK	23.20	0.209	-	-	30.70	1.175	4.704	4M70G7D	0.0000
			16QAM	22.34	0.171	-	-	29.84	0.964	4.693	4M69W7D	
			64QAM	22.62	0.183	-	-	30.12	1.028	4.685	4M69W7D	
	10	2501 ~ 2685	QPSK	23.18	0.208	-	-	30.68	1.169	9.049	9M05G7D	
			16QAM	22.48	0.177	-	-	29.98	0.995	9.008	9M01W7D	
			64QAM	22.57	0.181	-	-	30.07	1.016	9.023	9M02W7D	
	15	2503.5 ~ 2682.5	QPSK	23.31	0.214	-	-	30.81	1.205	13.452	13M5G7D	
			16QAM	22.52	0.179	-	-	30.02	1.005	13.459	13M5W7D	
			64QAM	22.56	0.180	-	-	30.06	1.014	13.458	13M5W7D	
	20	2506 ~ 2680	QPSK	23.30	0.214	-	-	30.80	1.202	17.853	17M9G7D	
			16QAM	22.40	0.174	-	-	29.90	0.977	17.848	17M8W7D	
			64QAM	22.55	0.180	-	-	30.05	1.012	17.831	17M8W7D	
66	1.4	1710.7 ~ 1779.3	QPSK	21.84	0.153	-	-	29.34	0.859	1.074	1M07G7D	0.0054
			16QAM	21.13	0.130	-	-	28.63	0.729	1.074	1M07W7D	
			64QAM	21.05	0.127	-	-	28.55	0.716	1.074	1M07W7D	
	3	1711.5 ~ 1778.5	QPSK	21.92	0.156	-	-	29.42	0.875	2.942	2M94G7D	
			16QAM	21.14	0.130	-	-	28.64	0.731	2.924	2M92W7D	
			64QAM	21.07	0.128	-	-	28.57	0.719	2.935	2M94W7D	
	5	1712.5 ~ 1777.5	QPSK	22.03	0.160	-	-	29.53	0.897	4.673	4M67G7D	
			16QAM	21.27	0.134	-	-	28.77	0.753	4.654	4M65W7D	
			64QAM	21.15	0.130	-	-	28.65	0.733	4.641	4M64W7D	
	10	1715.0 ~ 1775.0	QPSK	21.97	0.157	-	-	29.47	0.885	9.083	9M08G7D	
			16QAM	21.30	0.135	-	-	28.80	0.759	9.033	9M03W7D	
			64QAM	21.08	0.128	-	-	28.58	0.721	9.045	9M05W7D	
	15	1717.5 ~ 1772.5	QPSK	21.93	0.156	-	-	29.43	0.877	13.456	13M5G7D	
			16QAM	21.19	0.132	-	-	28.69	0.740	13.475	13M5W7D	
			64QAM	21.11	0.129	-	-	28.61	0.726	13.475	13M5W7D	
	20	1720.0 ~ 1770.0	QPSK	21.96	0.157	-	-	29.46	0.883	17.866	17M9G7D	
			16QAM	21.27	0.134	-	-	28.77	0.753	17.891	17M9W7D	
			64QAM	21.07	0.128	-	-	28.57	0.719	17.891	17M9W7D	



Band	Bandwidth (MHz)	TX Frequency (MHz)	Type of Modulation	Max. Conducted Power		Max. ERP Power		Max. EIRP Power		99% Occupied Bandwidth (MHz)	Emission Designator	Frequency Tolerance (ppm)
				(dBm)	(W)	(dBm)	(W)	(dBm)	(W)			
71	5	665.5 ~ 695.5	QPSK	22.56	0.180	24.76	0.299	-	-	4.673	4M67G7D	0.0122
			16QAM	21.82	0.152	24.02	0.252	-	-	4.648	4M65W7D	
			64QAM	21.73	0.149	23.93	0.247	-	-	4.648	4M65W7D	
	10	668.0 ~ 693.0	QPSK	22.61	0.182	24.81	0.303	-	-	9.083	9M08G7D	
			16QAM	21.94	0.156	24.14	0.259	-	-	9.008	9M01W7D	
			64QAM	21.79	0.151	23.99	0.251	-	-	9.045	9M05W7D	
	15	670.5 ~ 690.5	QPSK	22.53	0.179	24.73	0.297	-	-	13.493	13M5G7D	
			16QAM	21.78	0.151	23.98	0.250	-	-	13.456	13M5W7D	
			64QAM	21.69	0.148	23.89	0.245	-	-	13.493	13M5W7D	
	20	673.0 ~ 688.0	QPSK	22.59	0.182	24.79	0.301	-	-	17.866	17M9G7D	
			16QAM	21.91	0.155	24.11	0.258	-	-	17.916	17M9W7D	
			64QAM	21.73	0.149	23.93	0.247	-	-	17.891	17M9W7D	



### 1.2 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 22(H), 24(E), 27
- ANSI C63.26-2015
- FCC KDB 971168 D01 v03r01

The following reference test guidance is not within the scope of accreditation of TAF.

- 47 CFR FCC Part 2
- FCC KDB 412172 D01 v01r01
- FCC KDB 662911 D01 v02r01
- FCC KDB 414788 D01 v01r01

**Remark:** All test items were verified and recorded according to the standards and without any deviation during the test.

### 1.3 Testing Location

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)
(TAF: 3787)	TEL: 886-3-656-9065      FAX: 886-3-656-9085
Test site Designation No. TW3787 with FCC.	
Conformity Assessment Body Identifier (CABID) TW3787 with ISED.	

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Jeff Wu	24.2-24.9 / 66-69	Apr. 22, 2023~ Nov. 30, 2023
Radiated	03CH05-CB	KJ Chang	22.6~23.2 / 59~63	May 06, 2023~ May 27, 2023
	03CH05-CB	KJ Chang	22.2~23.5 / 63~67	Sep. 01, 2023
	03CH05-CB	KJ Chang	22.1~23 / 57~61	Nov. 13, 2023~ Nov. 14, 2023





## 1.4 Measurement Uncertainty

Test Date: Before Jun. 01, 2023

Test Items	Uncertainty	Remark
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%

Test Date: After May 31, 2023

Test Items	Uncertainty	Remark
Radiated Emission (30MHz ~ 1,000MHz)	5.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%



## 2 Test Configuration of Equipment Under Test

### 2.1 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	Conducted Output Power Effective Radiated Power (ERP) Equivalent Isotropic Radiated Power (EIRP) Peak-to-Average Ratio Occupied Bandwidth Conducted Band Edge Conducted Spurious Emission Frequency Stability
<b>Test Condition</b>	Conducted measurement at transmit chains
<b>Test Mode</b>	1 WCDMA Band 2 - Ant. 3
	2 WCDMA Band 4 - Ant. 3
	3 WCDMA Band 5 - Ant. 3
	4 LTE Band 2 - Ant. 3
	5 LTE Band 4 - Ant. 3
	6 LTE Band 5 - Ant. 3
	7 LTE Band 7 - Ant. 3
	8 LTE Band 12 - Ant. 3
	9 LTE Band 13 - Ant. 3
	10 LTE Band 17 - Ant. 3
	11 LTE Band 25 - Ant. 3
	12 LTE Band 26 - Ant. 3
	13 LTE Band 38 - Ant. 3
	14 LTE Band 41 - Ant. 3
	15 LTE Band 66 - Ant. 3
	16 LTE Band 71 - Ant. 3



<b>The Worst Case Mode for Following Conformance Tests</b>	
<b>Tests Item</b>	Radiated Spurious Emission
<b>Test Condition</b>	Radiated measurement
<b>Operating Mode &lt; 1GHz</b>	
The EUT can be placed in X axis, Y axis and Z axis. EUT X axis has been evaluated to be the worst case at Emissions in Radiated Spurious Emission <Above 1GHz> ; thus, the measurement will follow this same test configuration.	
1	EUT at X axis - WCDMA + Ant. 1
2	EUT at X axis - WCDMA + Ant. 2
3	EUT at X axis - WCDMA + Ant. 3
4	EUT at X axis - LTE + Ant. 1
5	EUT at X axis - LTE + Ant. 2
6	EUT at X axis - LTE + Ant. 3
For operating mode 1~3 is the worst case and it was record in this test report. Note: Test mode 4~6: The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.	
<b>Operating Mode &gt; 1GHz</b>	
The EUT can be placed in X axis, Y axis and Z axis. EUT X axis has been evaluated to be the worst case; thus, the measurement will follow this same test configuration.	
1	EUT at X axis - WCDMA + Ant. 1
2	EUT at X axis - WCDMA + Ant. 2
3	EUT at X axis - WCDMA + Ant. 3
4	EUT at X axis - LTE + Ant. 1
5	EUT at X axis - LTE + Ant. 2
6	EUT at X axis - LTE + Ant. 3



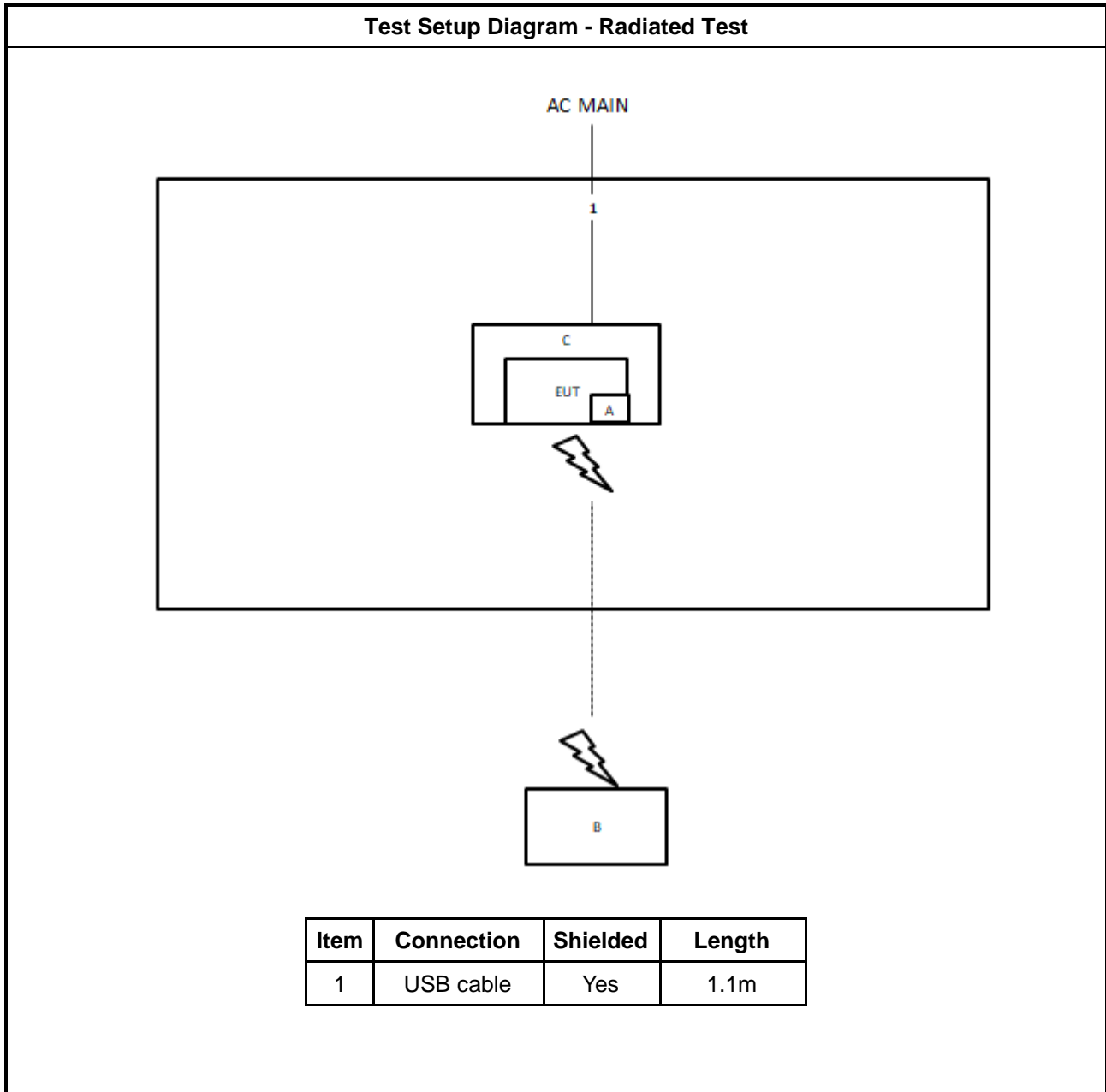
## 2.2 Accessories

- 1. Fixed Bracket\*1 (for ant. 2 use)
- 2. Wall Bracket\*1 (for ant. 3 use)
- 3. Cradlepoint to External Antenna Cable\*1: Shielded, 6.2m (for ant. 2 and ant. 3 use)

## 2.3 Support Equipment

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LTE Base Station	Anritsu	MT8820C	N/A
B	SIM Card	Anritsu	N/A	N/A
C	Fixture	Quectel	M2-EVB-KIT	N/A

## 2.4 Test Setup Diagram





## **2.5 Measurement Results Explanation Example**

### **For all conducted test items:**

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between RF conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level will be exactly the RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

The following shows an offset computation example with RF cable loss 1 dB and a 20dB attenuator.

Example:

$$\begin{aligned} \text{Offset (dB)} &= \text{RF cable loss (dB)} + \text{attenuator factor (dB)} \\ &= 1 + 20 = 21 \text{ (dB)} \end{aligned}$$



### 3 Test Result

#### 3.1 Conducted Output Power and ERP/EIRP Measurement

##### 3.1.1 Description of the Conducted Output Power and ERP/EIRP Measurement

FCC	
Conducted Output Power Limit	
N/A	
Effective Radiated Power (ERP) Limit	
Band 5, 26	Base Station: 500 Watts Mobile Station: 7 Watts
Band 12, 17	Base Station: 1000 Watts Mobile Station: 3 Watts
Band 13	
Band 71	Base Station: 1000 Watts Mobile Station: 3 Watts
Equivalent Isotropic Radiated Power (EIRP) Limit	
Band 2, 25	Base Station: 1640 Watts Mobile Station: 2 Watts
Band 4, 66	Base Station: 1640 Watts Mobile Station: 1 Watts
Band 7, 38, 41	Base Station: 33 dBW + 10 log(X/Y) dBW + 10 log(360/beamwidth) dBW, where X=ChBW(MHz), Y=5.5(B and T channel) or 6(M channel) MHz Mobile Station: 2 Watts
Note 1: A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.	
Note 2: According to FCC KDB 412172 D01 v01r01 Power Approach, EIRP = P <sub>T</sub> + G <sub>T</sub> - L <sub>C</sub> , ERP = EIRP - 2.15, where P <sub>T</sub> = transmitter output power in dBm G <sub>T</sub> = gain of the transmitting antenna in dBi L <sub>C</sub> = signal attenuation in the connecting cable between the transmitter and antenna in dB	

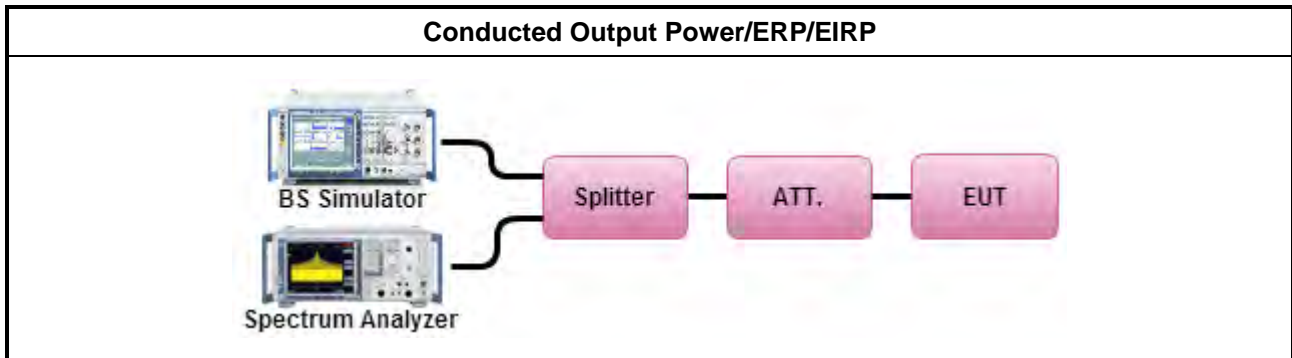
##### 3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

##### 3.1.3 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level.

### 3.1.4 Test Setup



### 3.1.5 Test Result of Conducted Output Power/ERP/EIRP

Refer as Appendix A



## 3.2 Peak-to-Average Ratio Measurement

### 3.2.1 Description of the PAR Measurement

The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

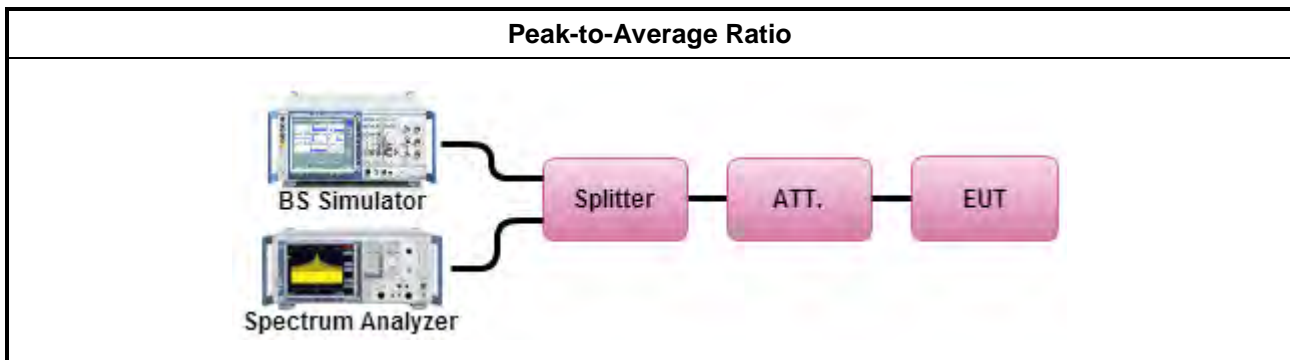
### 3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

### 3.2.3 Test Procedures

1. The testing follows ANSI C63.26-2015 Section 5.2.6
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set the CCDF (Complementary Cumulative Distribution Function) option of the spectrum analyzer.
4. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. Record the deviation as Peak to Average Ratio.

### 3.2.4 Test Setup



### 3.2.5 Test Result of Peak-to-Average Ratio

Refer as Appendix B



### 3.3 Occupied Bandwidth Measurement

#### 3.3.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

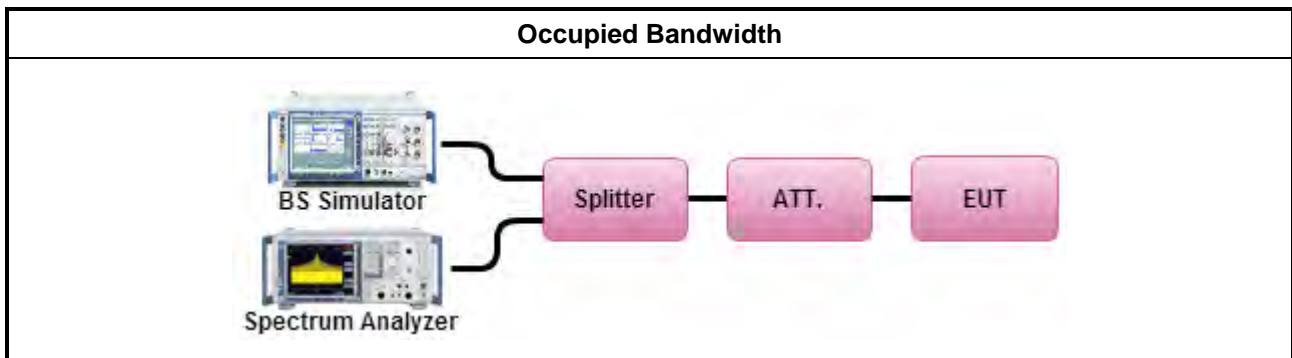
#### 3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

#### 3.3.3 Test Procedures

1. The testing follows ANSI C63.26-2015 Section 5.4.3 (26dB) and Section 5.4.4 (99OB)
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency.  
The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
4. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
5. Set the detection mode to peak, and the trace mode to max hold.
6. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace. (this is the reference value)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

### 3.3.4 Test Setup



### 3.3.5 Test Result of Occupied Bandwidth

Refer as Appendix C



### 3.4 Conducted Band Edge Measurement

#### 3.4.1 Description of Conducted Band Edge Measurement

Conducted Band Edge	
22.917 (a)	For operations in the 824 – 849 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power P(Watts) in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.
24.238 (a)	For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power P(Watts) in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.
27.53 (c)	For operations in the 776-788 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least $65 + 10 \log_{10} p(\text{watts})$ , dB, for mobile and portable equipment.
27.53 (g)	For operations in the 600MHz band and 698-746 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.
27.53 (h)	For operations in the 1710 – 1755 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power P(Watts) in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.
27.53(m)(4)	For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.
Note : Limit : $10 \log P - \{43 + 10 \log P\}$ dBW = -43dBW = -13dBm.	

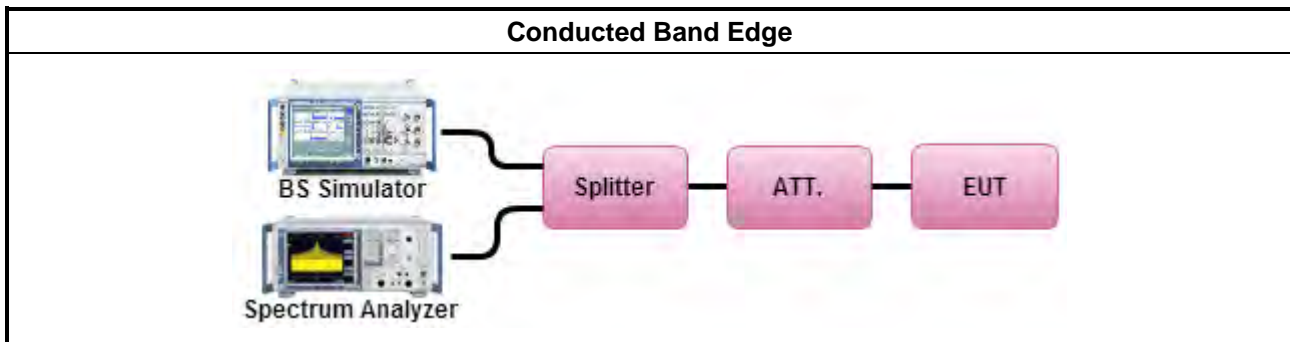
#### 3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

### 3.4.3 Test Procedures

1. The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW  $\geq$  1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.

### 3.4.4 Test Setup



### 3.4.5 Test Result of Conducted Band Edge

Refer as Appendix D

### 3.5 Conducted Spurious Emission Measurement

#### 3.5.1 Description of Conducted Spurious Emission Measurement

Conducted Spurious Emission	
The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.	
Band 7, 38, 41	The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.
It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10 <sup>th</sup> harmonic.	

Note : Limit :  $10 \log P - \{43 + 10 \log P\}$  dBW = -43dBW = -13dBm.

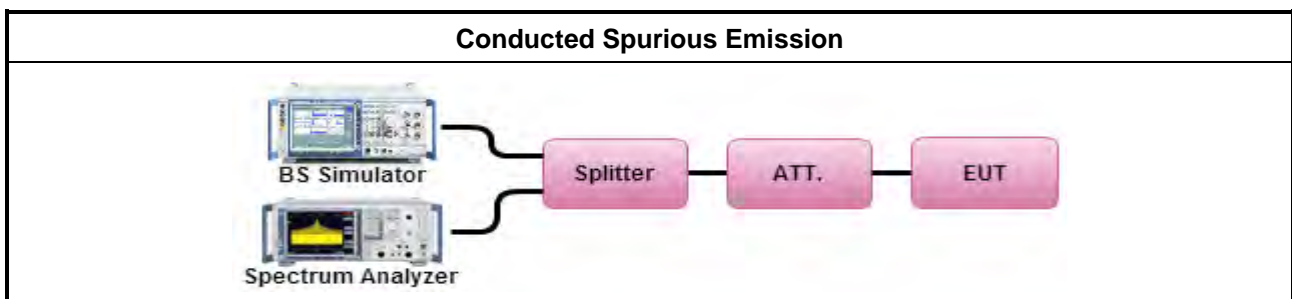
#### 3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

#### 3.5.3 Test Procedures

1. The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.  
The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

#### 3.5.4 Test Setup



#### 3.5.5 Test Result of Conducted Spurious Emission

Refer as Appendix D



### 3.6 Radiated Spurious Emission Measurement

#### 3.6.1 Description of Radiated Spurious Emission Measurement

Radiated Spurious Emission	
FCC	
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.	
Band 13	For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to $-70$ dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and $-80$ dBW EIRP for discrete emissions of less than 700 Hz bandwidth.
Band 7, 38, 41	The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

Note :

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

Conducted Limit :  $10 \log P - \{43 + 10 \log P\}$  dBW =  $-43$ dBW =  $-13$ dBm.

Radiated Limit =  $-13$  dBm +  $95.2$  dB =  $82.2$  dBuV/m at 3m.

#### 3.6.2 Measuring Instruments

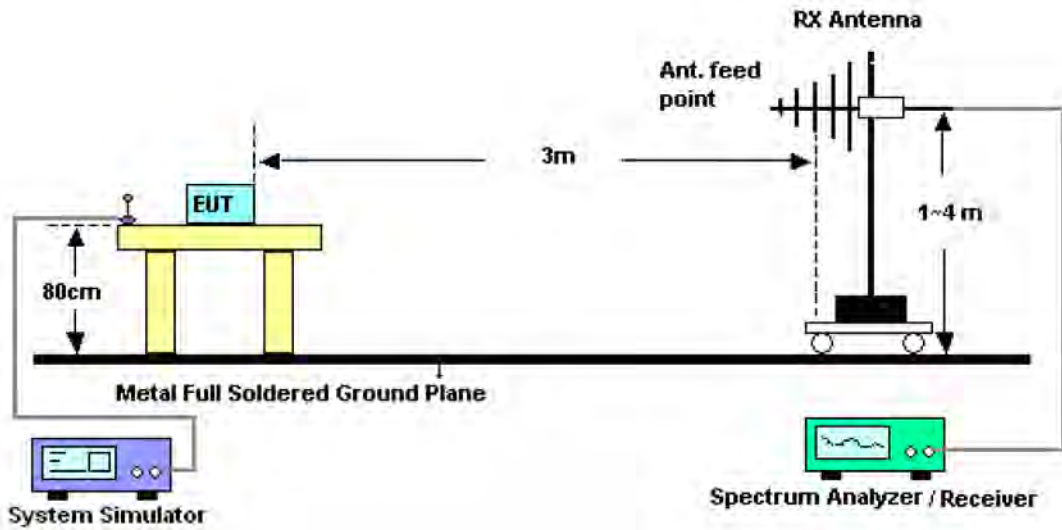
The measuring equipment is listed in the section 4 of this test report.

#### 3.6.3 Test Procedures

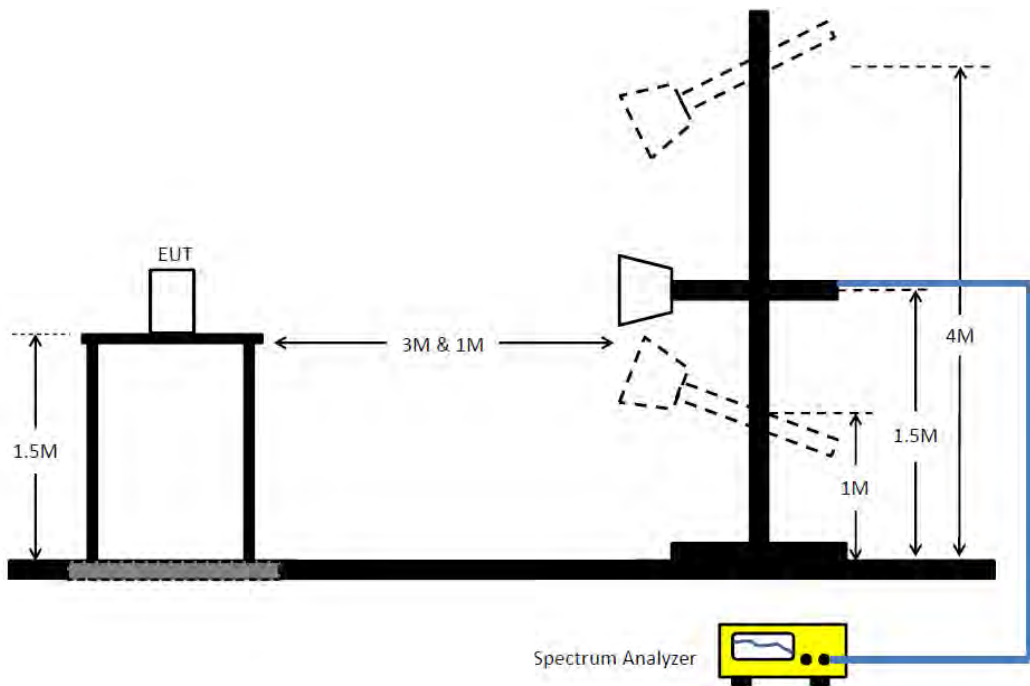
1. The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI / TIA-603-E Section 2.2.12.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
9. Taking the record of output power at antenna port.
10. Repeat step 8 to step 9 for another polarization.
11. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

### 3.6.4 Test Setup

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz







### **3.6.5 Measurement Results Calculation**

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

### **3.6.6 Test Result of Radiated Spurious Emission (Below 1GHz)**

For test mode 4~6: The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to FCC KDB 414788, and the result came out very similar.

### **3.6.7 Test Result of Radiated Spurious Emission (Above 1GHz)**

Refer as Appendix E



### 3.7 Frequency Stability Measurement

#### 3.7.1 Description of Frequency Stability Measurement

Frequency Stability	
22.355	The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ( $\pm 2.5\text{ppm}$ ) of the center frequency.
24.235 & 27.54	The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

#### 3.7.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

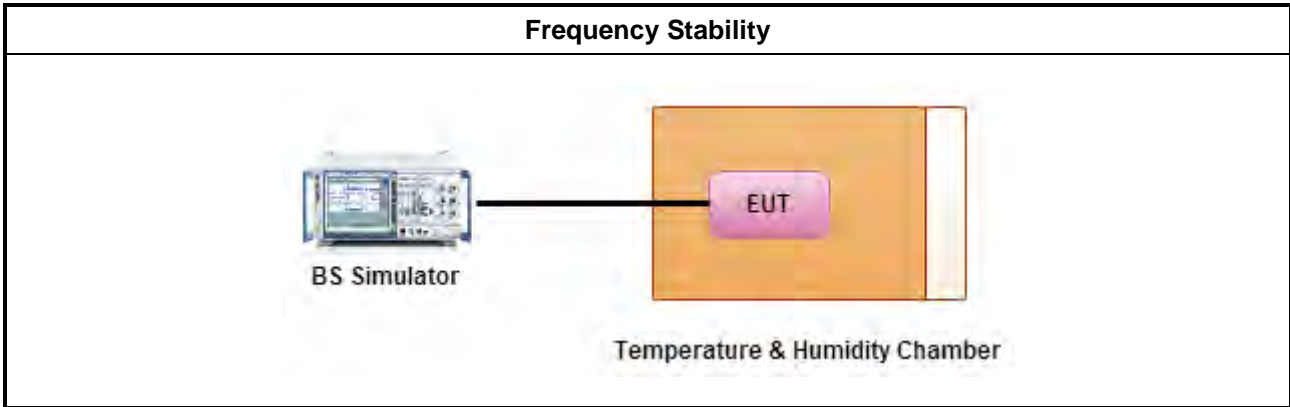
#### 3.7.3 Test Procedures for Temperature Variation

1. The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to  $-30^{\circ}\text{C}$  and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in  $10^{\circ}\text{C}$  steps up to  $50^{\circ}\text{C}$ . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

#### 3.7.4 Test Procedures for Voltage Variation

1. The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.
2. The EUT was placed in a temperature chamber at  $20\pm 5^{\circ}\text{C}$  and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85 to 115% of the nominal value measured at the input to the EUT.
4. The variation in frequency was measured for the worst case.

### 3.7.5 Test Setup



### 3.7.6 Test Result of Frequency Stability

Refer as Appendix F



## 4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 03, 2022	Aug. 02, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 02, 2023	Aug. 01, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 06, 2022	Nov. 05, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Sep. 29, 2023	Sep. 28, 2024	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 24, 2023	Mar. 23, 2024	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 23, 2022	Jun. 22, 2023	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 08, 2023	Jun. 07, 2024	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 03, 2023	May 02, 2024	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH05-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH05-CB)
Radio Communication Analyzer	Anritsu	MT8820C	6201300619	1GHz~3.8GHz	Nov. 27, 2022	Nov. 26, 2023	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Signal analyzer	Keysight	N9020A	MY55400138	10 Hz up to 26.5 GHz	Feb. 14, 2023	Feb. 13, 2024	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	May 23, 2022	May 22, 2023	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	May 22, 2023	May 21, 2024	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1 GHz ~26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz ~ 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz ~ 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz ~ 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz ~ 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz ~ 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
Cable	Woken	RG402	low Cable-30	9 kHz –1 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
Cable	Woken	RG402	low Cable-30	9 kHz –1 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
Power Sensor	Anritsu	MA2411B	1339408	300MHz~40GHz	Sep. 12, 2022	Sep. 11, 2023	Conducted (TH01-CB)
Power Sensor	Anritsu	MA2411B	1339408	300MHz~40GHz	Sep. 12, 2023	Sep. 11, 2024	Conducted (TH01-CB)
Power Meter	Anritsu	ML2495A	1517009	300MHz~40GHz	Sep. 12, 2022	Sep. 11, 2023	Conducted (TH01-CB)
Power Meter	Anritsu	ML2495A	1517009	300MHz~40GHz	Sep. 12, 2023	Sep. 11, 2024	Conducted (TH01-CB)
MW Analog Signal Generator	Keysight	N5183A	MY50142965	100kHz~20GHz	Nov. 25, 2022	Nov. 24, 2023	Conducted (TH01-CB)
MW Analog Signal Generator	Keysight	N5183A	MY50142965	100kHz~20GHz	Nov. 17, 2023	Nov. 16, 2024	Conducted (TH01-CB)
Radio Communication Analyzer	Anritsu	MT8820C	6201300619	1GHz~3.8GHz	Nov. 27, 2022	Nov. 26, 2023	Conducted (TH01-CB)
Radio Communication Analyzer	Anritsu	MT8821C	6262170398	400MHz~6GHz	Nov. 07, 2023	Nov. 06, 2024	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.



Summary

Mode	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)
Band 2	-	-	-	-
WCDMA_5MHz_Nss1_1TX	20.00	0.100	27.50	0.562
HSDPA_5MHz_Nss1,Sublest 1_1TX	20.00	0.100	27.50	0.562
HSDPA_5MHz_Nss1,Sublest 2_1TX	20.01	0.100	27.51	0.564
HSDPA_5MHz_Nss1,Sublest 3_1TX	20.01	0.100	27.51	0.564
HSDPA_5MHz_Nss1,Sublest 4_1TX	20.09	0.102	27.59	0.574
HSUPA_5MHz_Nss1,Sublest 1_1TX	21.03	0.127	28.53	0.713
HSUPA_5MHz_Nss1,Sublest 2_1TX	20.55	0.114	28.05	0.638
HSUPA_5MHz_Nss1,Sublest 3_1TX	21.03	0.127	28.53	0.713
HSUPA_5MHz_Nss1,Sublest 4_1TX	21.05	0.127	28.55	0.716
HSUPA_5MHz_Nss1,Sublest 5_1TX	21.02	0.126	28.52	0.711

DG = Directional Gain; Port n = Port n output power



## Average Power (Mode 1: WCDMA Band 2)

## Appendix A.1

### Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
Band 2_WCDMA_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-
1852.4MHz	Pass	7.50	20.00	20.00	0.100	27.50	0.562	2
1880MHz	Pass	7.50	19.90	19.90	0.098	27.40	0.550	2
1907.6MHz	Pass	7.50	19.66	19.66	0.092	27.16	0.520	2
Band 2_HSDPA_5MHz_Nss1_Subtest 1_1TX	-	-	-	-	-	-	-	-
1852.4MHz	Pass	7.50	20.00	20.00	0.100	27.50	0.562	2
Band 2_HSDPA_5MHz_Nss1_Subtest 2_1TX	-	-	-	-	-	-	-	-
1852.4MHz	Pass	7.50	20.01	20.01	0.100	27.51	0.564	2
Band 2_HSDPA_5MHz_Nss1_Subtest 3_1TX	-	-	-	-	-	-	-	-
1852.4MHz	Pass	7.50	20.01	20.01	0.100	27.51	0.564	2
Band 2_HSDPA_5MHz_Nss1_Subtest 4_1TX	-	-	-	-	-	-	-	-
1852.4MHz	Pass	7.50	20.09	20.09	0.102	27.59	0.574	2
Band 2_HSDPA_5MHz_Nss1_Subtest 1_1TX	-	-	-	-	-	-	-	-
1880MHz	Pass	7.50	19.80	19.80	0.095	27.30	0.537	2
Band 2_HSDPA_5MHz_Nss1_Subtest 2_1TX	-	-	-	-	-	-	-	-
1880MHz	Pass	7.50	19.87	19.87	0.097	27.37	0.546	2
Band 2_HSDPA_5MHz_Nss1_Subtest 3_1TX	-	-	-	-	-	-	-	-
1880MHz	Pass	7.50	19.91	19.91	0.098	27.41	0.551	2
Band 2_HSDPA_5MHz_Nss1_Subtest 4_1TX	-	-	-	-	-	-	-	-
1880MHz	Pass	7.50	19.92	19.92	0.098	27.42	0.552	2
Band 2_HSDPA_5MHz_Nss1_Subtest 1_1TX	-	-	-	-	-	-	-	-
1907.6MHz	Pass	7.50	19.89	19.89	0.097	27.39	0.548	2
Band 2_HSDPA_5MHz_Nss1_Subtest 2_1TX	-	-	-	-	-	-	-	-
1907.6MHz	Pass	7.50	19.83	19.83	0.096	27.33	0.541	2
Band 2_HSDPA_5MHz_Nss1_Subtest 3_1TX	-	-	-	-	-	-	-	-
1907.6MHz	Pass	7.50	19.86	19.86	0.097	27.36	0.545	2
Band 2_HSDPA_5MHz_Nss1_Subtest 4_1TX	-	-	-	-	-	-	-	-
1907.6MHz	Pass	7.50	19.91	19.91	0.098	27.41	0.551	2
Band 2_HSUPA_5MHz_Nss1_Subtest 1_1TX	-	-	-	-	-	-	-	-
1852.4MHz	Pass	7.50	21.03	21.03	0.127	28.53	0.713	2
Band 2_HSUPA_5MHz_Nss1_Subtest 2_1TX	-	-	-	-	-	-	-	-
1852.4MHz	Pass	7.50	20.55	20.55	0.114	28.05	0.638	2
Band 2_HSUPA_5MHz_Nss1_Subtest 3_1TX	-	-	-	-	-	-	-	-
1852.4MHz	Pass	7.50	21.03	21.03	0.127	28.53	0.713	2
Band 2_HSUPA_5MHz_Nss1_Subtest 4_1TX	-	-	-	-	-	-	-	-
1852.4MHz	Pass	7.50	21.05	21.05	0.127	28.55	0.716	2
Band 2_HSUPA_5MHz_Nss1_Subtest 5_1TX	-	-	-	-	-	-	-	-
1852.4MHz	Pass	7.50	21.02	21.02	0.126	28.52	0.711	2
Band 2_HSUPA_5MHz_Nss1_Subtest 1_1TX	-	-	-	-	-	-	-	-
1880MHz	Pass	7.50	20.89	20.89	0.123	28.39	0.690	2
Band 2_HSUPA_5MHz_Nss1_Subtest 2_1TX	-	-	-	-	-	-	-	-
1880MHz	Pass	7.50	20.40	20.40	0.110	27.90	0.617	2
Band 2_HSUPA_5MHz_Nss1_Subtest 3_1TX	-	-	-	-	-	-	-	-
1880MHz	Pass	7.50	20.92	20.92	0.124	28.42	0.695	2
Band 2_HSUPA_5MHz_Nss1_Subtest 4_1TX	-	-	-	-	-	-	-	-
1880MHz	Pass	7.50	20.90	20.90	0.123	28.40	0.692	2
Band 2_HSUPA_5MHz_Nss1_Subtest 5_1TX	-	-	-	-	-	-	-	-
1880MHz	Pass	7.50	20.92	20.92	0.124	28.42	0.695	2
Band 2_HSUPA_5MHz_Nss1_Subtest 1_1TX	-	-	-	-	-	-	-	-
1907.6MHz	Pass	7.50	20.78	20.78	0.120	28.28	0.673	2
Band 2_HSUPA_5MHz_Nss1_Subtest 2_1TX	-	-	-	-	-	-	-	-
1907.6MHz	Pass	7.50	20.34	20.34	0.108	27.84	0.608	2
Band 2_HSUPA_5MHz_Nss1_Subtest 3_1TX	-	-	-	-	-	-	-	-
1907.6MHz	Pass	7.50	20.91	20.91	0.123	28.41	0.693	2
Band 2_HSUPA_5MHz_Nss1_Subtest 4_1TX	-	-	-	-	-	-	-	-
1907.6MHz	Pass	7.50	20.84	20.84	0.121	28.34	0.682	2
Band 2_HSUPA_5MHz_Nss1_Subtest 5_1TX	-	-	-	-	-	-	-	-
1907.6MHz	Pass	7.50	20.87	20.87	0.122	28.37	0.687	2

DG = Directional Gain; Port n = Port n output power





Summary

Mode	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)
Band 4	-	-	-	-
WCDMA_5MHz_Nss1_1TX	20.21	0.105	27.71	0.590
HSDPA_5MHz_Nss1,Subtest 1_1TX	21.08	0.128	28.58	0.721
HSDPA_5MHz_Nss1,Subtest 2_1TX	21.18	0.131	28.68	0.738
HSDPA_5MHz_Nss1,Subtest 3_1TX	21.08	0.128	28.58	0.721
HSDPA_5MHz_Nss1,Subtest 4_1TX	20.58	0.114	28.08	0.643
HSUPA_5MHz_Nss1,Subtest 1_1TX	21.16	0.131	28.66	0.735
HSUPA_5MHz_Nss1,Subtest 2_1TX	20.66	0.116	28.16	0.655
HSUPA_5MHz_Nss1,Subtest 3_1TX	21.17	0.131	28.67	0.736
HSUPA_5MHz_Nss1,Subtest 4_1TX	21.17	0.131	28.67	0.736
HSUPA_5MHz_Nss1,Subtest 5_1TX	21.18	0.131	28.68	0.738

DG = Directional Gain; Port n = Port n output power



## Average Power (Mode 2: WCDMA Band 4)

## Appendix A.2

### Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
Band 4_WCDMA_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-
1712.4MHz	Pass	7.50	20.10	20.10	0.102	27.60	0.575	1
1732MHz	Pass	7.50	20.17	20.17	0.104	27.67	0.585	1
1752.6MHz	Pass	7.50	20.21	20.21	0.105	27.71	0.590	1
Band 4_HSDPA_5MHz_Nss1,Subtest 1_1TX	-	-	-	-	-	-	-	-
1712.4MHz	Pass	7.50	21.05	21.05	0.127	28.55	0.716	1
Band 4_HSDPA_5MHz_Nss1,Subtest 2_1TX	-	-	-	-	-	-	-	-
1712.4MHz	Pass	7.50	21.08	21.08	0.128	28.58	0.721	1
Band 4_HSDPA_5MHz_Nss1,Subtest 3_1TX	-	-	-	-	-	-	-	-
1712.4MHz	Pass	7.50	21.00	21.00	0.126	28.50	0.708	1
Band 4_HSDPA_5MHz_Nss1,Subtest 4_1TX	-	-	-	-	-	-	-	-
1712.4MHz	Pass	7.50	20.49	20.49	0.112	27.99	0.630	1
Band 4_HSDPA_5MHz_Nss1,Subtest 1_1TX	-	-	-	-	-	-	-	-
1732MHz	Pass	7.50	21.03	21.03	0.127	28.53	0.713	1
Band 4_HSDPA_5MHz_Nss1,Subtest 2_1TX	-	-	-	-	-	-	-	-
1732MHz	Pass	7.50	21.13	21.13	0.130	28.63	0.729	1
Band 4_HSDPA_5MHz_Nss1,Subtest 3_1TX	-	-	-	-	-	-	-	-
1732MHz	Pass	7.50	20.99	20.99	0.126	28.49	0.706	1
Band 4_HSDPA_5MHz_Nss1,Subtest 4_1TX	-	-	-	-	-	-	-	-
1732MHz	Pass	7.50	20.51	20.51	0.112	28.01	0.632	1
Band 4_HSDPA_5MHz_Nss1,Subtest 1_1TX	-	-	-	-	-	-	-	-
1752.6MHz	Pass	7.50	21.08	21.08	0.128	28.58	0.721	1
Band 4_HSDPA_5MHz_Nss1,Subtest 2_1TX	-	-	-	-	-	-	-	-
1752.6MHz	Pass	7.50	21.18	21.18	0.131	28.68	0.738	1
Band 4_HSDPA_5MHz_Nss1,Subtest 3_1TX	-	-	-	-	-	-	-	-
1752.6MHz	Pass	7.50	21.08	21.08	0.128	28.58	0.721	1
Band 4_HSDPA_5MHz_Nss1,Subtest 4_1TX	-	-	-	-	-	-	-	-
1752.6MHz	Pass	7.50	20.58	20.58	0.114	28.08	0.643	1
Band 4_HSUPA_5MHz_Nss1,Subtest 1_1TX	-	-	-	-	-	-	-	-
1712.4MHz	Pass	7.50	21.04	21.04	0.127	28.54	0.714	1
Band 4_HSUPA_5MHz_Nss1,Subtest 2_1TX	-	-	-	-	-	-	-	-
1712.4MHz	Pass	7.50	20.55	20.55	0.114	28.05	0.638	1
Band 4_HSUPA_5MHz_Nss1,Subtest 3_1TX	-	-	-	-	-	-	-	-
1712.4MHz	Pass	7.50	20.98	20.98	0.125	28.48	0.705	1
Band 4_HSUPA_5MHz_Nss1,Subtest 4_1TX	-	-	-	-	-	-	-	-
1712.4MHz	Pass	7.50	20.97	20.97	0.125	28.47	0.703	1
Band 4_HSUPA_5MHz_Nss1,Subtest 5_1TX	-	-	-	-	-	-	-	-
1712.4MHz	Pass	7.50	21.09	21.09	0.129	28.59	0.723	1
Band 4_HSUPA_5MHz_Nss1,Subtest 1_1TX	-	-	-	-	-	-	-	-
1732MHz	Pass	7.50	21.07	21.07	0.128	28.57	0.719	1
Band 4_HSUPA_5MHz_Nss1,Subtest 2_1TX	-	-	-	-	-	-	-	-
1732MHz	Pass	7.50	20.62	20.62	0.115	28.12	0.649	1
Band 4_HSUPA_5MHz_Nss1,Subtest 3_1TX	-	-	-	-	-	-	-	-
1732MHz	Pass	7.50	21.07	21.07	0.128	28.57	0.719	1
Band 4_HSUPA_5MHz_Nss1,Subtest 4_1TX	-	-	-	-	-	-	-	-
1732MHz	Pass	7.50	21.12	21.12	0.129	28.62	0.728	1
Band 4_HSUPA_5MHz_Nss1,Subtest 5_1TX	-	-	-	-	-	-	-	-
1732MHz	Pass	7.50	21.03	21.03	0.127	28.53	0.713	1
Band 4_HSUPA_5MHz_Nss1,Subtest 1_1TX	-	-	-	-	-	-	-	-
1752.6MHz	Pass	7.50	21.16	21.16	0.131	28.66	0.735	1
Band 4_HSUPA_5MHz_Nss1,Subtest 2_1TX	-	-	-	-	-	-	-	-
1752.6MHz	Pass	7.50	20.66	20.66	0.116	28.16	0.655	1
Band 4_HSUPA_5MHz_Nss1,Subtest 3_1TX	-	-	-	-	-	-	-	-
1752.6MHz	Pass	7.50	21.17	21.17	0.131	28.67	0.736	1
Band 4_HSUPA_5MHz_Nss1,Subtest 4_1TX	-	-	-	-	-	-	-	-
1752.6MHz	Pass	7.50	21.17	21.17	0.131	28.67	0.736	1
Band 4_HSUPA_5MHz_Nss1,Subtest 5_1TX	-	-	-	-	-	-	-	-
1752.6MHz	Pass	7.50	21.18	21.18	0.131	28.68	0.738	1

DG = Directional Gain; Port n = Port n output power



Summary

Mode	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)
Band 5	-	-	-	-
WCDMA_5MHz_Nss1_1TX	22.49	0.177	26.84	0.483
HSDPA_5MHz_Nss1,Sublest 1_1TX	20.55	0.114	24.90	0.309
HSDPA_5MHz_Nss1,Sublest 2_1TX	20.54	0.113	24.89	0.308
HSDPA_5MHz_Nss1,Sublest 3_1TX	20.54	0.113	24.89	0.308
HSDPA_5MHz_Nss1,Sublest 4_1TX	20.50	0.112	24.85	0.305
HSUPA_5MHz_Nss1,Sublest 1_1TX	21.56	0.143	25.91	0.390
HSUPA_5MHz_Nss1,Sublest 2_1TX	20.99	0.126	25.34	0.342
HSUPA_5MHz_Nss1,Sublest 3_1TX	21.51	0.142	25.86	0.385
HSUPA_5MHz_Nss1,Sublest 4_1TX	21.56	0.143	25.91	0.390
HSUPA_5MHz_Nss1,Sublest 5_1TX	21.52	0.142	25.87	0.386

DG = Directional Gain; Port n = Port n output power



## Average Power (Mode 3: WCDMA Band 5)

## Appendix A.3

### Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
Band 5_WCDMA_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-
826.4MHz	Pass	6.50	22.49	22.49	0.177	26.84	0.483	7.00
835MHz	Pass	6.50	22.45	22.45	0.176	26.80	0.479	7.00
846.6MHz	Pass	6.50	22.48	22.48	0.177	26.83	0.482	7.00
Band 5_HSDPA_5MHz_Nss1_Subtest 1_1TX	-	-	-	-	-	-	-	-
826.4MHz	Pass	6.50	20.51	20.51	0.112	24.86	0.306	7.00
Band 5_HSDPA_5MHz_Nss1_Subtest 2_1TX	-	-	-	-	-	-	-	-
826.4MHz	Pass	6.50	20.54	20.54	0.113	24.89	0.308	7.00
Band 5_HSDPA_5MHz_Nss1_Subtest 3_1TX	-	-	-	-	-	-	-	-
826.4MHz	Pass	6.50	20.44	20.44	0.111	24.79	0.301	7.00
Band 5_HSDPA_5MHz_Nss1_Subtest 4_1TX	-	-	-	-	-	-	-	-
826.4MHz	Pass	6.50	20.43	20.43	0.110	24.78	0.301	7.00
Band 5_HSDPA_5MHz_Nss1_Subtest 1_1TX	-	-	-	-	-	-	-	-
835MHz	Pass	6.50	20.49	20.49	0.112	24.84	0.305	7.00
Band 5_HSDPA_5MHz_Nss1_Subtest 2_1TX	-	-	-	-	-	-	-	-
835MHz	Pass	6.50	20.50	20.50	0.112	24.85	0.305	7.00
Band 5_HSDPA_5MHz_Nss1_Subtest 3_1TX	-	-	-	-	-	-	-	-
835MHz	Pass	6.50	20.54	20.54	0.113	24.89	0.308	7.00
Band 5_HSDPA_5MHz_Nss1_Subtest 4_1TX	-	-	-	-	-	-	-	-
835MHz	Pass	6.50	20.50	20.50	0.112	24.85	0.305	7.00
Band 5_HSDPA_5MHz_Nss1_Subtest 1_1TX	-	-	-	-	-	-	-	-
846.6MHz	Pass	6.50	20.55	20.55	0.114	24.90	0.309	7.00
Band 5_HSDPA_5MHz_Nss1_Subtest 2_1TX	-	-	-	-	-	-	-	-
846.6MHz	Pass	6.50	20.46	20.46	0.111	24.81	0.303	7.00
Band 5_HSDPA_5MHz_Nss1_Subtest 3_1TX	-	-	-	-	-	-	-	-
846.6MHz	Pass	6.50	20.48	20.48	0.112	24.83	0.304	7.00
Band 5_HSDPA_5MHz_Nss1_Subtest 4_1TX	-	-	-	-	-	-	-	-
846.6MHz	Pass	6.50	20.42	20.42	0.110	24.77	0.300	7.00
Band 5_HSUPA_5MHz_Nss1_Subtest 1_1TX	-	-	-	-	-	-	-	-
826.4MHz	Pass	6.50	21.48	21.48	0.141	25.83	0.383	7.00
Band 5_HSUPA_5MHz_Nss1_Subtest 2_1TX	-	-	-	-	-	-	-	-
826.4MHz	Pass	6.50	20.97	20.97	0.125	25.32	0.340	7.00
Band 5_HSUPA_5MHz_Nss1_Subtest 3_1TX	-	-	-	-	-	-	-	-
826.4MHz	Pass	6.50	21.43	21.43	0.139	25.78	0.378	7.00
Band 5_HSUPA_5MHz_Nss1_Subtest 4_1TX	-	-	-	-	-	-	-	-
826.4MHz	Pass	6.50	21.40	21.40	0.138	25.75	0.376	7.00
Band 5_HSUPA_5MHz_Nss1_Subtest 5_1TX	-	-	-	-	-	-	-	-
826.4MHz	Pass	6.50	21.40	21.40	0.138	25.75	0.376	7.00
Band 5_HSUPA_5MHz_Nss1_Subtest 1_1TX	-	-	-	-	-	-	-	-
835MHz	Pass	6.50	21.56	21.56	0.143	25.91	0.390	7.00
Band 5_HSUPA_5MHz_Nss1_Subtest 2_1TX	-	-	-	-	-	-	-	-
835MHz	Pass	6.50	20.99	20.99	0.126	25.34	0.342	7.00
Band 5_HSUPA_5MHz_Nss1_Subtest 3_1TX	-	-	-	-	-	-	-	-
835MHz	Pass	6.50	21.51	21.51	0.142	25.86	0.385	7.00
Band 5_HSUPA_5MHz_Nss1_Subtest 4_1TX	-	-	-	-	-	-	-	-
835MHz	Pass	6.50	21.51	21.51	0.142	25.86	0.385	7.00
Band 5_HSUPA_5MHz_Nss1_Subtest 5_1TX	-	-	-	-	-	-	-	-
835MHz	Pass	6.50	21.52	21.52	0.142	25.87	0.386	7.00
Band 5_HSUPA_5MHz_Nss1_Subtest 1_1TX	-	-	-	-	-	-	-	-
846.6MHz	Pass	6.50	21.48	21.48	0.141	25.83	0.383	7.00
Band 5_HSUPA_5MHz_Nss1_Subtest 2_1TX	-	-	-	-	-	-	-	-
846.6MHz	Pass	6.50	20.89	20.89	0.123	25.24	0.334	7.00
Band 5_HSUPA_5MHz_Nss1_Subtest 3_1TX	-	-	-	-	-	-	-	-
846.6MHz	Pass	6.50	21.50	21.50	0.141	25.85	0.385	7.00
Band 5_HSUPA_5MHz_Nss1_Subtest 4_1TX	-	-	-	-	-	-	-	-
846.6MHz	Pass	6.50	21.56	21.56	0.143	25.91	0.390	7.00
Band 5_HSUPA_5MHz_Nss1_Subtest 5_1TX	-	-	-	-	-	-	-	-
846.6MHz	Pass	6.50	21.46	21.46	0.140	25.81	0.381	7.00

DG = Directional Gain; Port n = Port n output power



Summary

Mode	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)
Band 2	-	-	-	-
LTE_1.4MHz_QPSK_1TX	22.56	0.180	30.06	1.014
LTE_1.4MHz_16QAM_1TX	21.94	0.156	29.44	0.879
LTE_1.4MHz_64QAM_1TX	21.82	0.152	29.32	0.855
LTE_3MHz_QPSK_1TX	22.60	0.182	30.10	1.023
LTE_3MHz_16QAM_1TX	21.99	0.158	29.49	0.889
LTE_3MHz_64QAM_1TX	21.83	0.152	29.33	0.857
LTE_5MHz_QPSK_1TX	22.68	0.185	30.18	1.042
LTE_5MHz_16QAM_1TX	22.03	0.160	29.53	0.897
LTE_5MHz_64QAM_1TX	21.88	0.154	29.38	0.867
LTE_10MHz_QPSK_1TX	22.72	0.187	30.22	1.052
LTE_10MHz_16QAM_1TX	22.13	0.163	29.63	0.918
LTE_10MHz_64QAM_1TX	21.93	0.156	29.43	0.877
LTE_15MHz_QPSK_1TX	22.67	0.185	30.17	1.040
LTE_15MHz_16QAM_1TX	22.00	0.158	29.50	0.891
LTE_15MHz_64QAM_1TX	21.87	0.154	29.37	0.865
LTE_20MHz_QPSK_1TX	22.70	0.186	30.20	1.047
LTE_20MHz_16QAM_1TX	22.05	0.160	29.55	0.902
LTE_20MHz_64QAM_1TX	21.86	0.153	29.36	0.863

DG = Directional Gain; Port n = Port n output power



## Average Power (Mode 4: LTE Band 2)

## Appendix A.4

### Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
Band 2_LTE_1.4MHz_QPSK_1TX	-	-	-	-	-	-	-	-
1850.7MHz_RB 6,#RB 0	Pass	7.50	21.50	21.50	0.141	29.00	0.794	2
1850.7MHz_RB 1,#RB L	Pass	7.50	22.52	22.52	0.179	30.02	1.005	2
1850.7MHz_RB 1,#RB M	Pass	7.50	22.56	22.56	0.180	30.06	1.014	2
1850.7MHz_RB 1,#RB H	Pass	7.50	22.45	22.45	0.176	29.95	0.989	2
1850.7MHz_RB 3,#RB L	Pass	7.50	22.51	22.51	0.178	30.01	1.002	2
1850.7MHz_RB 3,#RB M	Pass	7.50	22.56	22.56	0.180	30.06	1.014	2
1850.7MHz_RB 3,#RB H	Pass	7.50	22.52	22.52	0.179	30.02	1.005	2
1880MHz_RB 6,#RB 0	Pass	7.50	21.48	21.48	0.141	28.98	0.791	2
1880MHz_RB 1,#RB L	Pass	7.50	22.48	22.48	0.177	29.98	0.995	2
1880MHz_RB 1,#RB M	Pass	7.50	22.55	22.55	0.180	30.05	1.012	2
1880MHz_RB 1,#RB H	Pass	7.50	22.45	22.45	0.176	29.95	0.989	2
1880MHz_RB 3,#RB L	Pass	7.50	22.53	22.53	0.179	30.03	1.007	2
1880MHz_RB 3,#RB M	Pass	7.50	22.53	22.53	0.179	30.03	1.007	2
1880MHz_RB 3,#RB H	Pass	7.50	22.51	22.51	0.178	30.01	1.002	2
1909.3MHz_RB 6,#RB 0	Pass	7.50	21.32	21.32	0.136	28.82	0.762	2
1909.3MHz_RB 1,#RB L	Pass	7.50	22.27	22.27	0.169	29.77	0.948	2
1909.3MHz_RB 1,#RB M	Pass	7.50	22.36	22.36	0.172	29.86	0.968	2
1909.3MHz_RB 1,#RB H	Pass	7.50	22.27	22.27	0.169	29.77	0.948	2
1909.3MHz_RB 3,#RB L	Pass	7.50	22.32	22.32	0.171	29.82	0.959	2
1909.3MHz_RB 3,#RB M	Pass	7.50	22.33	22.33	0.171	29.83	0.962	2
1909.3MHz_RB 3,#RB H	Pass	7.50	22.31	22.31	0.170	29.81	0.957	2
Band 2_LTE_1.4MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1850.7MHz_RB 6,#RB 0	Pass	7.50	20.60	20.60	0.115	28.10	0.646	2
1850.7MHz_RB 1,#RB L	Pass	7.50	21.89	21.89	0.155	29.39	0.869	2
1850.7MHz_RB 1,#RB M	Pass	7.50	21.93	21.93	0.156	29.43	0.877	2
1850.7MHz_RB 1,#RB H	Pass	7.50	21.84	21.84	0.153	29.34	0.859	2
1850.7MHz_RB 3,#RB L	Pass	7.50	21.58	21.58	0.144	29.08	0.809	2
1850.7MHz_RB 3,#RB M	Pass	7.50	21.64	21.64	0.146	29.14	0.820	2
1850.7MHz_RB 3,#RB H	Pass	7.50	21.60	21.60	0.145	29.10	0.813	2
1880MHz_RB 6,#RB 0	Pass	7.50	20.63	20.63	0.116	28.13	0.650	2
1880MHz_RB 1,#RB L	Pass	7.50	21.80	21.80	0.151	29.30	0.851	2
1880MHz_RB 1,#RB M	Pass	7.50	21.94	21.94	0.156	29.44	0.879	2
1880MHz_RB 1,#RB H	Pass	7.50	21.85	21.85	0.153	29.35	0.861	2
1880MHz_RB 3,#RB L	Pass	7.50	21.57	21.57	0.144	29.07	0.807	2
1880MHz_RB 3,#RB M	Pass	7.50	21.63	21.63	0.146	29.13	0.818	2
1880MHz_RB 3,#RB H	Pass	7.50	21.57	21.57	0.144	29.07	0.807	2
1909.3MHz_RB 6,#RB 0	Pass	7.50	20.47	20.47	0.111	27.97	0.627	2
1909.3MHz_RB 1,#RB L	Pass	7.50	21.73	21.73	0.149	29.23	0.838	2
1909.3MHz_RB 1,#RB M	Pass	7.50	21.71	21.71	0.148	29.21	0.834	2
1909.3MHz_RB 1,#RB H	Pass	7.50	21.66	21.66	0.147	29.16	0.824	2
1909.3MHz_RB 3,#RB L	Pass	7.50	21.41	21.41	0.138	28.91	0.778	2
1909.3MHz_RB 3,#RB M	Pass	7.50	21.42	21.42	0.139	28.92	0.780	2
1909.3MHz_RB 3,#RB H	Pass	7.50	21.35	21.35	0.136	28.85	0.767	2
Band 2_LTE_1.4MHz_64QAM_1TX	-	-	-	-	-	-	-	-
1850.7MHz_RB 6,#RB 0	Pass	7.50	20.50	20.50	0.112	28.00	0.631	2
1850.7MHz_RB 1,#RB L	Pass	7.50	21.68	21.68	0.147	29.18	0.828	2
1850.7MHz_RB 1,#RB M	Pass	7.50	21.78	21.78	0.151	29.28	0.847	2
1850.7MHz_RB 1,#RB H	Pass	7.50	21.66	21.66	0.147	29.16	0.824	2
1850.7MHz_RB 3,#RB L	Pass	7.50	21.62	21.62	0.145	29.12	0.817	2
1850.7MHz_RB 3,#RB M	Pass	7.50	21.66	21.66	0.147	29.16	0.824	2
1850.7MHz_RB 3,#RB H	Pass	7.50	21.60	21.60	0.145	29.10	0.813	2
1880MHz_RB 6,#RB 0	Pass	7.50	20.58	20.58	0.114	28.08	0.643	2
1880MHz_RB 1,#RB L	Pass	7.50	21.69	21.69	0.148	29.19	0.830	2
1880MHz_RB 1,#RB M	Pass	7.50	21.82	21.82	0.152	29.32	0.855	2
1880MHz_RB 1,#RB H	Pass	7.50	21.73	21.73	0.149	29.23	0.838	2
1880MHz_RB 3,#RB L	Pass	7.50	21.60	21.60	0.145	29.10	0.813	2
1880MHz_RB 3,#RB M	Pass	7.50	21.69	21.69	0.148	29.19	0.830	2
1880MHz_RB 3,#RB H	Pass	7.50	21.58	21.58	0.144	29.08	0.809	2
1909.3MHz_RB 6,#RB 0	Pass	7.50	20.38	20.38	0.109	27.88	0.614	2
1909.3MHz_RB 1,#RB L	Pass	7.50	21.51	21.51	0.142	29.01	0.796	2



## Average Power (Mode 4: LTE Band 2)

## Appendix A.4

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1909.3MHz_RB 1,#RB M	Pass	7.50	21.56	21.56	0.143	29.06	0.805	2
1909.3MHz_RB 1,#RB H	Pass	7.50	21.44	21.44	0.139	28.94	0.783	2
1909.3MHz_RB 3,#RB L	Pass	7.50	21.44	21.44	0.139	28.94	0.783	2
1909.3MHz_RB 3,#RB M	Pass	7.50	21.47	21.47	0.140	28.97	0.789	2
1909.3MHz_RB 3,#RB H	Pass	7.50	21.44	21.44	0.139	28.94	0.783	2
Band 2_LTE_3MHz_OPSK_1TX	-	-	-	-	-	-	-	-
1851.5MHz_RB 15,#RB 0	Pass	7.50	21.60	21.60	0.145	29.10	0.813	2
1851.5MHz_RB 1,#RB L	Pass	7.50	22.56	22.56	0.180	30.06	1.014	2
1851.5MHz_RB 1,#RB M	Pass	7.50	22.59	22.59	0.182	30.09	1.021	2
1851.5MHz_RB 1,#RB H	Pass	7.50	22.55	22.55	0.180	30.05	1.012	2
1851.5MHz_RB 8,#RB L	Pass	7.50	21.55	21.55	0.143	29.05	0.804	2
1851.5MHz_RB 8,#RB M	Pass	7.50	21.60	21.60	0.145	29.10	0.813	2
1851.5MHz_RB 8,#RB H	Pass	7.50	21.59	21.59	0.144	29.09	0.811	2
1880MHz_RB 15,#RB 0	Pass	7.50	21.54	21.54	0.143	29.04	0.802	2
1880MHz_RB 1,#RB L	Pass	7.50	22.60	22.60	0.182	30.10	1.023	2
1880MHz_RB 1,#RB M	Pass	7.50	22.58	22.58	0.181	30.08	1.019	2
1880MHz_RB 1,#RB H	Pass	7.50	22.51	22.51	0.178	30.01	1.002	2
1880MHz_RB 8,#RB L	Pass	7.50	21.62	21.62	0.145	29.12	0.817	2
1880MHz_RB 8,#RB M	Pass	7.50	21.62	21.62	0.145	29.12	0.817	2
1880MHz_RB 8,#RB H	Pass	7.50	21.58	21.58	0.144	29.08	0.809	2
1908.5MHz_RB 15,#RB 0	Pass	7.50	21.37	21.37	0.137	28.87	0.771	2
1908.5MHz_RB 1,#RB L	Pass	7.50	22.32	22.32	0.171	29.82	0.959	2
1908.5MHz_RB 1,#RB M	Pass	7.50	22.38	22.38	0.173	29.88	0.973	2
1908.5MHz_RB 1,#RB H	Pass	7.50	22.34	22.34	0.171	29.84	0.964	2
1908.5MHz_RB 8,#RB L	Pass	7.50	21.37	21.37	0.137	28.87	0.771	2
1908.5MHz_RB 8,#RB M	Pass	7.50	21.41	21.41	0.138	28.91	0.778	2
1908.5MHz_RB 8,#RB H	Pass	7.50	21.36	21.36	0.137	28.86	0.769	2
Band 2_LTE_3MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1851.5MHz_RB 15,#RB 0	Pass	7.50	20.65	20.65	0.116	28.15	0.653	2
1851.5MHz_RB 1,#RB L	Pass	7.50	21.91	21.91	0.155	29.41	0.873	2
1851.5MHz_RB 1,#RB M	Pass	7.50	21.99	21.99	0.158	29.49	0.889	2
1851.5MHz_RB 1,#RB H	Pass	7.50	21.85	21.85	0.153	29.35	0.861	2
1851.5MHz_RB 8,#RB L	Pass	7.50	20.68	20.68	0.117	28.18	0.658	2
1851.5MHz_RB 8,#RB M	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
1851.5MHz_RB 8,#RB H	Pass	7.50	20.68	20.68	0.117	28.18	0.658	2
1880MHz_RB 15,#RB 0	Pass	7.50	20.58	20.58	0.114	28.08	0.643	2
1880MHz_RB 1,#RB L	Pass	7.50	21.94	21.94	0.156	29.44	0.879	2
1880MHz_RB 1,#RB M	Pass	7.50	21.89	21.89	0.155	29.39	0.869	2
1880MHz_RB 1,#RB H	Pass	7.50	21.91	21.91	0.155	29.41	0.873	2
1880MHz_RB 8,#RB L	Pass	7.50	20.69	20.69	0.117	28.19	0.659	2
1880MHz_RB 8,#RB M	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
1880MHz_RB 8,#RB H	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
1908.5MHz_RB 15,#RB 0	Pass	7.50	20.42	20.42	0.110	27.92	0.619	2
1908.5MHz_RB 1,#RB L	Pass	7.50	21.74	21.74	0.149	29.24	0.839	2
1908.5MHz_RB 1,#RB M	Pass	7.50	21.75	21.75	0.150	29.25	0.841	2
1908.5MHz_RB 1,#RB H	Pass	7.50	21.68	21.68	0.147	29.18	0.828	2
1908.5MHz_RB 8,#RB L	Pass	7.50	20.50	20.50	0.112	28.00	0.631	2
1908.5MHz_RB 8,#RB M	Pass	7.50	20.57	20.57	0.114	28.07	0.641	2
1908.5MHz_RB 8,#RB H	Pass	7.50	20.51	20.51	0.112	28.01	0.632	2
Band 2_LTE_3MHz_64QAM_1TX	-	-	-	-	-	-	-	-
1851.5MHz_RB 15,#RB 0	Pass	7.50	20.61	20.61	0.115	28.11	0.647	2
1851.5MHz_RB 1,#RB L	Pass	7.50	21.80	21.80	0.151	29.30	0.851	2
1851.5MHz_RB 1,#RB M	Pass	7.50	21.83	21.83	0.152	29.33	0.857	2
1851.5MHz_RB 1,#RB H	Pass	7.50	21.73	21.73	0.149	29.23	0.838	2
1851.5MHz_RB 8,#RB L	Pass	7.50	20.61	20.61	0.115	28.11	0.647	2
1851.5MHz_RB 8,#RB M	Pass	7.50	20.65	20.65	0.116	28.15	0.653	2
1851.5MHz_RB 8,#RB H	Pass	7.50	20.65	20.65	0.116	28.15	0.653	2
1880MHz_RB 15,#RB 0	Pass	7.50	20.58	20.58	0.114	28.08	0.643	2
1880MHz_RB 1,#RB L	Pass	7.50	21.77	21.77	0.150	29.27	0.845	2
1880MHz_RB 1,#RB M	Pass	7.50	21.80	21.80	0.151	29.30	0.851	2
1880MHz_RB 1,#RB H	Pass	7.50	21.73	21.73	0.149	29.23	0.838	2
1880MHz_RB 8,#RB L	Pass	7.50	20.63	20.63	0.116	28.13	0.650	2



**Average Power (Mode 4: LTE Band 2)**

**Appendix A.4**

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1880MHz_RB 8,#RB M	Pass	7.50	20.65	20.65	0.116	28.15	0.653	2
1880MHz_RB 8,#RB H	Pass	7.50	20.66	20.66	0.116	28.16	0.655	2
1908.5MHz_RB 15,#RB 0	Pass	7.50	20.39	20.39	0.109	27.89	0.615	2
1908.5MHz_RB 1,#RB L	Pass	7.50	21.56	21.56	0.143	29.06	0.805	2
1908.5MHz_RB 1,#RB M	Pass	7.50	21.59	21.59	0.144	29.09	0.811	2
1908.5MHz_RB 1,#RB H	Pass	7.50	21.55	21.55	0.143	29.05	0.804	2
1908.5MHz_RB 8,#RB L	Pass	7.50	20.48	20.48	0.112	27.98	0.628	2
1908.5MHz_RB 8,#RB M	Pass	7.50	20.52	20.52	0.113	28.02	0.634	2
1908.5MHz_RB 8,#RB H	Pass	7.50	20.50	20.50	0.112	28.00	0.631	2
Band 2_LTE_5MHz_OPSK_1TX	-	-	-	-	-	-	-	-
1852.5MHz_RB 25,#RB 0	Pass	7.50	21.59	21.59	0.144	29.09	0.811	2
1852.5MHz_RB 1,#RB L	Pass	7.50	22.66	22.66	0.185	30.16	1.038	2
1852.5MHz_RB 1,#RB M	Pass	7.50	22.68	22.68	0.185	30.18	1.042	2
1852.5MHz_RB 1,#RB H	Pass	7.50	22.64	22.64	0.184	30.14	1.033	2
1852.5MHz_RB 12,#RB L	Pass	7.50	21.60	21.60	0.145	29.10	0.813	2
1852.5MHz_RB 12,#RB M	Pass	7.50	21.66	21.66	0.147	29.16	0.824	2
1852.5MHz_RB 12,#RB H	Pass	7.50	21.62	21.62	0.145	29.12	0.817	2
1880MHz_RB 25,#RB 0	Pass	7.50	21.57	21.57	0.144	29.07	0.807	2
1880MHz_RB 1,#RB L	Pass	7.50	22.63	22.63	0.183	30.13	1.030	2
1880MHz_RB 1,#RB M	Pass	7.50	22.67	22.67	0.185	30.17	1.040	2
1880MHz_RB 1,#RB H	Pass	7.50	22.66	22.66	0.185	30.16	1.038	2
1880MHz_RB 12,#RB L	Pass	7.50	21.65	21.65	0.146	29.15	0.822	2
1880MHz_RB 12,#RB M	Pass	7.50	21.63	21.63	0.146	29.13	0.818	2
1880MHz_RB 12,#RB H	Pass	7.50	21.59	21.59	0.144	29.09	0.811	2
1907.5MHz_RB 25,#RB 0	Pass	7.50	21.36	21.36	0.137	28.86	0.769	2
1907.5MHz_RB 1,#RB L	Pass	7.50	22.36	22.36	0.172	29.86	0.968	2
1907.5MHz_RB 1,#RB M	Pass	7.50	22.45	22.45	0.176	29.95	0.989	2
1907.5MHz_RB 1,#RB H	Pass	7.50	22.33	22.33	0.171	29.83	0.962	2
1907.5MHz_RB 12,#RB L	Pass	7.50	21.41	21.41	0.138	28.91	0.778	2
1907.5MHz_RB 12,#RB M	Pass	7.50	21.48	21.48	0.141	28.98	0.791	2
1907.5MHz_RB 12,#RB H	Pass	7.50	21.38	21.38	0.137	28.88	0.773	2
Band 2_LTE_5MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1852.5MHz_RB 25,#RB 0	Pass	7.50	20.68	20.68	0.117	28.18	0.658	2
1852.5MHz_RB 1,#RB L	Pass	7.50	21.91	21.91	0.155	29.41	0.873	2
1852.5MHz_RB 1,#RB M	Pass	7.50	22.02	22.02	0.159	29.52	0.895	2
1852.5MHz_RB 1,#RB H	Pass	7.50	22.03	22.03	0.160	29.53	0.897	2
1852.5MHz_RB 12,#RB L	Pass	7.50	20.66	20.66	0.116	28.16	0.655	2
1852.5MHz_RB 12,#RB M	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
1852.5MHz_RB 12,#RB H	Pass	7.50	20.66	20.66	0.116	28.16	0.655	2
1880MHz_RB 25,#RB 0	Pass	7.50	20.63	20.63	0.116	28.13	0.650	2
1880MHz_RB 1,#RB L	Pass	7.50	21.96	21.96	0.157	29.46	0.883	2
1880MHz_RB 1,#RB M	Pass	7.50	22.00	22.00	0.158	29.50	0.891	2
1880MHz_RB 1,#RB H	Pass	7.50	21.98	21.98	0.158	29.48	0.887	2
1880MHz_RB 12,#RB L	Pass	7.50	20.73	20.73	0.118	28.23	0.665	2
1880MHz_RB 12,#RB M	Pass	7.50	20.69	20.69	0.117	28.19	0.659	2
1880MHz_RB 12,#RB H	Pass	7.50	20.67	20.67	0.117	28.17	0.656	2
1907.5MHz_RB 25,#RB 0	Pass	7.50	20.48	20.48	0.112	27.98	0.628	2
1907.5MHz_RB 1,#RB L	Pass	7.50	21.78	21.78	0.151	29.28	0.847	2
1907.5MHz_RB 1,#RB M	Pass	7.50	21.86	21.86	0.153	29.36	0.863	2
1907.5MHz_RB 1,#RB H	Pass	7.50	21.72	21.72	0.149	29.22	0.836	2
1907.5MHz_RB 12,#RB L	Pass	7.50	20.50	20.50	0.112	28.00	0.631	2
1907.5MHz_RB 12,#RB M	Pass	7.50	20.54	20.54	0.113	28.04	0.637	2
1907.5MHz_RB 12,#RB H	Pass	7.50	20.49	20.49	0.112	27.99	0.630	2
Band 2_LTE_5MHz_64QAM_1TX	-	-	-	-	-	-	-	-
1852.5MHz_RB 25,#RB 0	Pass	7.50	20.69	20.69	0.117	28.19	0.659	2
1852.5MHz_RB 1,#RB L	Pass	7.50	21.81	21.81	0.152	29.31	0.853	2
1852.5MHz_RB 1,#RB M	Pass	7.50	21.88	21.88	0.154	29.38	0.867	2
1852.5MHz_RB 1,#RB H	Pass	7.50	21.87	21.87	0.154	29.37	0.865	2
1852.5MHz_RB 12,#RB L	Pass	7.50	20.63	20.63	0.116	28.13	0.650	2
1852.5MHz_RB 12,#RB M	Pass	7.50	20.68	20.68	0.117	28.18	0.658	2
1852.5MHz_RB 12,#RB H	Pass	7.50	20.65	20.65	0.116	28.15	0.653	2
1880MHz_RB 25,#RB 0	Pass	7.50	20.65	20.65	0.116	28.15	0.653	2





**Average Power (Mode 4: LTE Band 2)**

**Appendix A.4**

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1880MHz_RB 1,#RB L	Pass	7.50	21.84	21.84	0.153	29.34	0.859	2
1880MHz_RB 1,#RB M	Pass	7.50	21.86	21.86	0.153	29.36	0.863	2
1880MHz_RB 1,#RB H	Pass	7.50	21.81	21.81	0.152	29.31	0.853	2
1880MHz_RB 12,#RB L	Pass	7.50	20.68	20.68	0.117	28.18	0.658	2
1880MHz_RB 12,#RB M	Pass	7.50	20.67	20.67	0.117	28.17	0.656	2
1880MHz_RB 12,#RB H	Pass	7.50	20.61	20.61	0.115	28.11	0.647	2
1907.5MHz_RB 25,#RB 0	Pass	7.50	20.45	20.45	0.111	27.95	0.624	2
1907.5MHz_RB 1,#RB L	Pass	7.50	21.61	21.61	0.145	29.11	0.815	2
1907.5MHz_RB 1,#RB M	Pass	7.50	21.65	21.65	0.146	29.15	0.822	2
1907.5MHz_RB 1,#RB H	Pass	7.50	21.59	21.59	0.144	29.09	0.811	2
1907.5MHz_RB 12,#RB L	Pass	7.50	20.46	20.46	0.111	27.96	0.625	2
1907.5MHz_RB 12,#RB M	Pass	7.50	20.54	20.54	0.113	28.04	0.637	2
1907.5MHz_RB 12,#RB H	Pass	7.50	20.46	20.46	0.111	27.96	0.625	2
Band 2_LTE_10MHz_OPSK_1TX	-	-	-	-	-	-	-	-
1855MHz_RB 50,#RB 0	Pass	7.50	21.66	21.66	0.147	29.16	0.824	2
1855MHz_RB 1,#RB L	Pass	7.50	22.66	22.66	0.185	30.16	1.038	2
1855MHz_RB 1,#RB M	Pass	7.50	22.70	22.70	0.186	30.20	1.047	2
1855MHz_RB 1,#RB H	Pass	7.50	22.68	22.68	0.185	30.18	1.042	2
1855MHz_RB 25,#RB L	Pass	7.50	21.64	21.64	0.146	29.14	0.820	2
1855MHz_RB 25,#RB M	Pass	7.50	21.69	21.69	0.148	29.19	0.830	2
1855MHz_RB 25,#RB H	Pass	7.50	21.66	21.66	0.147	29.16	0.824	2
1880MHz_RB 50,#RB 0	Pass	7.50	21.61	21.61	0.145	29.11	0.815	2
1880MHz_RB 1,#RB L	Pass	7.50	22.60	22.60	0.182	30.10	1.023	2
1880MHz_RB 1,#RB M	Pass	7.50	22.72	22.72	0.187	30.22	1.052	2
1880MHz_RB 1,#RB H	Pass	7.50	22.58	22.58	0.181	30.08	1.019	2
1880MHz_RB 25,#RB L	Pass	7.50	21.63	21.63	0.146	29.13	0.818	2
1880MHz_RB 25,#RB M	Pass	7.50	21.69	21.69	0.148	29.19	0.830	2
1880MHz_RB 25,#RB H	Pass	7.50	21.63	21.63	0.146	29.13	0.818	2
1905MHz_RB 50,#RB 0	Pass	7.50	21.43	21.43	0.139	28.93	0.782	2
1905MHz_RB 1,#RB L	Pass	7.50	22.43	22.43	0.175	29.93	0.984	2
1905MHz_RB 1,#RB M	Pass	7.50	22.47	22.47	0.177	29.97	0.993	2
1905MHz_RB 1,#RB H	Pass	7.50	22.33	22.33	0.171	29.83	0.962	2
1905MHz_RB 25,#RB L	Pass	7.50	21.41	21.41	0.138	28.91	0.778	2
1905MHz_RB 25,#RB M	Pass	7.50	21.45	21.45	0.140	28.95	0.785	2
1905MHz_RB 25,#RB H	Pass	7.50	21.44	21.44	0.139	28.94	0.783	2
Band 2_LTE_10MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1855MHz_RB 50,#RB 0	Pass	7.50	20.68	20.68	0.117	28.18	0.658	2
1855MHz_RB 1,#RB L	Pass	7.50	22.09	22.09	0.162	29.59	0.910	2
1855MHz_RB 1,#RB M	Pass	7.50	22.00	22.00	0.158	29.50	0.891	2
1855MHz_RB 1,#RB H	Pass	7.50	21.93	21.93	0.156	29.43	0.877	2
1855MHz_RB 25,#RB L	Pass	7.50	20.69	20.69	0.117	28.19	0.659	2
1855MHz_RB 25,#RB M	Pass	7.50	20.74	20.74	0.119	28.24	0.667	2
1855MHz_RB 25,#RB H	Pass	7.50	20.70	20.70	0.117	28.20	0.661	2
1880MHz_RB 50,#RB 0	Pass	7.50	20.73	20.73	0.118	28.23	0.665	2
1880MHz_RB 1,#RB L	Pass	7.50	21.93	21.93	0.156	29.43	0.877	2
1880MHz_RB 1,#RB M	Pass	7.50	22.13	22.13	0.163	29.63	0.918	2
1880MHz_RB 1,#RB H	Pass	7.50	22.04	22.04	0.160	29.54	0.899	2
1880MHz_RB 25,#RB L	Pass	7.50	20.69	20.69	0.117	28.19	0.659	2
1880MHz_RB 25,#RB M	Pass	7.50	20.74	20.74	0.119	28.24	0.667	2
1880MHz_RB 25,#RB H	Pass	7.50	20.69	20.69	0.117	28.19	0.659	2
1905MHz_RB 50,#RB 0	Pass	7.50	20.46	20.46	0.111	27.96	0.625	2
1905MHz_RB 1,#RB L	Pass	7.50	21.76	21.76	0.150	29.26	0.843	2
1905MHz_RB 1,#RB M	Pass	7.50	21.85	21.85	0.153	29.35	0.861	2
1905MHz_RB 1,#RB H	Pass	7.50	21.78	21.78	0.151	29.28	0.847	2
1905MHz_RB 25,#RB L	Pass	7.50	20.50	20.50	0.112	28.00	0.631	2
1905MHz_RB 25,#RB M	Pass	7.50	20.53	20.53	0.113	28.03	0.635	2
1905MHz_RB 25,#RB H	Pass	7.50	20.50	20.50	0.112	28.00	0.631	2
Band 2_LTE_10MHz_64QAM_1TX	-	-	-	-	-	-	-	-
1855MHz_RB 50,#RB 0	Pass	7.50	20.66	20.66	0.116	28.16	0.655	2
1855MHz_RB 1,#RB L	Pass	7.50	21.82	21.82	0.152	29.32	0.855	2
1855MHz_RB 1,#RB M	Pass	7.50	21.84	21.84	0.153	29.34	0.859	2
1855MHz_RB 1,#RB H	Pass	7.50	21.93	21.93	0.156	29.43	0.877	2



**Average Power (Mode 4: LTE Band 2)**

**Appendix A.4**

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1855MHz_RB 25,#RB L	Pass	7.50	20.68	20.68	0.117	28.18	0.658	2
1855MHz_RB 25,#RB M	Pass	7.50	20.70	20.70	0.117	28.20	0.661	2
1855MHz_RB 25,#RB H	Pass	7.50	20.70	20.70	0.117	28.20	0.661	2
1880MHz_RB 50,#RB O	Pass	7.50	20.66	20.66	0.116	28.16	0.655	2
1880MHz_RB 1,#RB L	Pass	7.50	21.79	21.79	0.151	29.29	0.849	2
1880MHz_RB 1,#RB M	Pass	7.50	21.88	21.88	0.154	29.38	0.867	2
1880MHz_RB 1,#RB H	Pass	7.50	21.80	21.80	0.151	29.30	0.851	2
1880MHz_RB 25,#RB L	Pass	7.50	20.67	20.67	0.117	28.17	0.656	2
1880MHz_RB 25,#RB M	Pass	7.50	20.73	20.73	0.118	28.23	0.665	2
1880MHz_RB 25,#RB H	Pass	7.50	20.68	20.68	0.117	28.18	0.658	2
1905MHz_RB 50,#RB O	Pass	7.50	20.45	20.45	0.111	27.95	0.624	2
1905MHz_RB 1,#RB L	Pass	7.50	21.67	21.67	0.147	29.17	0.826	2
1905MHz_RB 1,#RB M	Pass	7.50	21.66	21.66	0.147	29.16	0.824	2
1905MHz_RB 1,#RB H	Pass	7.50	21.49	21.49	0.141	28.99	0.793	2
1905MHz_RB 25,#RB L	Pass	7.50	20.50	20.50	0.112	28.00	0.631	2
1905MHz_RB 25,#RB M	Pass	7.50	20.51	20.51	0.112	28.01	0.632	2
1905MHz_RB 25,#RB H	Pass	7.50	20.49	20.49	0.112	27.99	0.630	2
Band 2_LTE_15MHz_OPSK_1TX	-	-	-	-	-	-	-	-
1857.5MHz_RB 75,#RB O	Pass	7.50	21.67	21.67	0.147	29.17	0.826	2
1857.5MHz_RB 1,#RB L	Pass	7.50	22.67	22.67	0.185	30.17	1.040	2
1857.5MHz_RB 1,#RB M	Pass	7.50	22.65	22.65	0.184	30.15	1.035	2
1857.5MHz_RB 1,#RB H	Pass	7.50	22.64	22.64	0.184	30.14	1.033	2
1857.5MHz_RB 36,#RB L	Pass	7.50	21.67	21.67	0.147	29.17	0.826	2
1857.5MHz_RB 36,#RB M	Pass	7.50	21.71	21.71	0.148	29.21	0.834	2
1857.5MHz_RB 36,#RB H	Pass	7.50	21.71	21.71	0.148	29.21	0.834	2
1880MHz_RB 75,#RB O	Pass	7.50	21.66	21.66	0.147	29.16	0.824	2
1880MHz_RB 1,#RB L	Pass	7.50	22.66	22.66	0.185	30.16	1.038	2
1880MHz_RB 1,#RB M	Pass	7.50	22.64	22.64	0.184	30.14	1.033	2
1880MHz_RB 1,#RB H	Pass	7.50	22.60	22.60	0.182	30.10	1.023	2
1880MHz_RB 36,#RB L	Pass	7.50	21.73	21.73	0.149	29.23	0.838	2
1880MHz_RB 36,#RB M	Pass	7.50	21.71	21.71	0.148	29.21	0.834	2
1880MHz_RB 36,#RB H	Pass	7.50	21.63	21.63	0.146	29.13	0.818	2
1902.5MHz_RB 75,#RB O	Pass	7.50	21.47	21.47	0.140	28.97	0.789	2
1902.5MHz_RB 1,#RB L	Pass	7.50	22.41	22.41	0.174	29.91	0.979	2
1902.5MHz_RB 1,#RB M	Pass	7.50	22.42	22.42	0.175	29.92	0.982	2
1902.5MHz_RB 1,#RB H	Pass	7.50	22.37	22.37	0.173	29.87	0.971	2
1902.5MHz_RB 36,#RB L	Pass	7.50	21.44	21.44	0.139	28.94	0.783	2
1902.5MHz_RB 36,#RB M	Pass	7.50	21.49	21.49	0.141	28.99	0.793	2
1902.5MHz_RB 36,#RB H	Pass	7.50	21.45	21.45	0.140	28.95	0.785	2
Band 2_LTE_15MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1857.5MHz_RB 75,#RB O	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
1857.5MHz_RB 1,#RB L	Pass	7.50	22.00	22.00	0.158	29.50	0.891	2
1857.5MHz_RB 1,#RB M	Pass	7.50	21.88	21.88	0.154	29.38	0.867	2
1857.5MHz_RB 1,#RB H	Pass	7.50	21.88	21.88	0.154	29.38	0.867	2
1857.5MHz_RB 36,#RB L	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
1857.5MHz_RB 36,#RB M	Pass	7.50	20.76	20.76	0.119	28.26	0.670	2
1857.5MHz_RB 36,#RB H	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
1880MHz_RB 75,#RB O	Pass	7.50	20.72	20.72	0.118	28.22	0.664	2
1880MHz_RB 1,#RB L	Pass	7.50	21.98	21.98	0.158	29.48	0.887	2
1880MHz_RB 1,#RB M	Pass	7.50	21.92	21.92	0.156	29.42	0.875	2
1880MHz_RB 1,#RB H	Pass	7.50	21.87	21.87	0.154	29.37	0.865	2
1880MHz_RB 36,#RB L	Pass	7.50	20.72	20.72	0.118	28.22	0.664	2
1880MHz_RB 36,#RB M	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
1880MHz_RB 36,#RB H	Pass	7.50	20.64	20.64	0.116	28.14	0.652	2
1902.5MHz_RB 75,#RB O	Pass	7.50	20.47	20.47	0.111	27.97	0.627	2
1902.5MHz_RB 1,#RB L	Pass	7.50	21.73	21.73	0.149	29.23	0.838	2
1902.5MHz_RB 1,#RB M	Pass	7.50	21.73	21.73	0.149	29.23	0.838	2
1902.5MHz_RB 1,#RB H	Pass	7.50	21.59	21.59	0.144	29.09	0.811	2
1902.5MHz_RB 36,#RB L	Pass	7.50	20.48	20.48	0.112	27.98	0.628	2
1902.5MHz_RB 36,#RB M	Pass	7.50	20.51	20.51	0.112	28.01	0.632	2
1902.5MHz_RB 36,#RB H	Pass	7.50	20.52	20.52	0.113	28.02	0.634	2
Band 2_LTE_15MHz_64QAM_1TX	-	-	-	-	-	-	-	-



**Average Power (Mode 4: LTE Band 2)**

**Appendix A.4**

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1857.5MHz_RB 75,#RB 0	Pass	7.50	20.72	20.72	0.118	28.22	0.664	2
1857.5MHz_RB 1,#RB L	Pass	7.50	21.87	21.87	0.154	29.37	0.865	2
1857.5MHz_RB 1,#RB M	Pass	7.50	21.87	21.87	0.154	29.37	0.865	2
1857.5MHz_RB 1,#RB H	Pass	7.50	21.75	21.75	0.150	29.25	0.841	2
1857.5MHz_RB 36,#RB L	Pass	7.50	20.72	20.72	0.118	28.22	0.664	2
1857.5MHz_RB 36,#RB M	Pass	7.50	20.79	20.79	0.120	28.29	0.675	2
1857.5MHz_RB 36,#RB H	Pass	7.50	20.69	20.69	0.117	28.19	0.659	2
1880MHz_RB 75,#RB 0	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
1880MHz_RB 1,#RB L	Pass	7.50	21.81	21.81	0.152	29.31	0.853	2
1880MHz_RB 1,#RB M	Pass	7.50	21.79	21.79	0.151	29.29	0.849	2
1880MHz_RB 1,#RB H	Pass	7.50	21.87	21.87	0.154	29.37	0.865	2
1880MHz_RB 36,#RB L	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
1880MHz_RB 36,#RB M	Pass	7.50	20.74	20.74	0.119	28.24	0.667	2
1880MHz_RB 36,#RB H	Pass	7.50	20.65	20.65	0.116	28.15	0.653	2
1902.5MHz_RB 75,#RB 0	Pass	7.50	20.54	20.54	0.113	28.04	0.637	2
1902.5MHz_RB 1,#RB L	Pass	7.50	21.57	21.57	0.144	29.07	0.807	2
1902.5MHz_RB 1,#RB M	Pass	7.50	21.61	21.61	0.145	29.11	0.815	2
1902.5MHz_RB 1,#RB H	Pass	7.50	21.68	21.68	0.147	29.18	0.828	2
1902.5MHz_RB 36,#RB L	Pass	7.50	20.46	20.46	0.111	27.96	0.625	2
1902.5MHz_RB 36,#RB M	Pass	7.50	20.54	20.54	0.113	28.04	0.637	2
1902.5MHz_RB 36,#RB H	Pass	7.50	20.49	20.49	0.112	27.99	0.630	2
Band 2_LTE_20MHz_OPSK_1TX	-	-	-	-	-	-	-	-
1860MHz_RB 100,#RB 0	Pass	7.50	21.61	21.61	0.145	29.11	0.815	2
1860MHz_RB 1,#RB L	Pass	7.50	22.60	22.60	0.182	30.10	1.023	2
1860MHz_RB 1,#RB M	Pass	7.50	22.68	22.68	0.185	30.18	1.042	2
1860MHz_RB 1,#RB H	Pass	7.50	22.52	22.52	0.179	30.02	1.005	2
1860MHz_RB 50,#RB L	Pass	7.50	21.64	21.64	0.146	29.14	0.820	2
1860MHz_RB 50,#RB M	Pass	7.50	21.70	21.70	0.148	29.20	0.832	2
1860MHz_RB 50,#RB H	Pass	7.50	21.57	21.57	0.144	29.07	0.807	2
1880MHz_RB 100,#RB 0	Pass	7.50	21.61	21.61	0.145	29.11	0.815	2
1880MHz_RB 1,#RB L	Pass	7.50	22.64	22.64	0.184	30.14	1.033	2
1880MHz_RB 1,#RB M	Pass	7.50	22.70	22.70	0.186	30.20	1.047	2
1880MHz_RB 1,#RB H	Pass	7.50	22.57	22.57	0.181	30.07	1.016	2
1880MHz_RB 50,#RB L	Pass	7.50	21.64	21.64	0.146	29.14	0.820	2
1880MHz_RB 50,#RB M	Pass	7.50	21.66	21.66	0.147	29.16	0.824	2
1880MHz_RB 50,#RB H	Pass	7.50	21.54	21.54	0.143	29.04	0.802	2
1900MHz_RB 100,#RB 0	Pass	7.50	21.48	21.48	0.141	28.98	0.791	2
1900MHz_RB 1,#RB L	Pass	7.50	22.51	22.51	0.178	30.01	1.002	2
1900MHz_RB 1,#RB M	Pass	7.50	22.42	22.42	0.175	29.92	0.982	2
1900MHz_RB 1,#RB H	Pass	7.50	22.37	22.37	0.173	29.87	0.971	2
1900MHz_RB 50,#RB L	Pass	7.50	21.51	21.51	0.142	29.01	0.796	2
1900MHz_RB 50,#RB M	Pass	7.50	21.39	21.39	0.138	28.89	0.774	2
1900MHz_RB 50,#RB H	Pass	7.50	21.41	21.41	0.138	28.91	0.778	2
Band 2_LTE_20MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1860MHz_RB 100,#RB 0	Pass	7.50	20.58	20.58	0.114	28.08	0.643	2
1860MHz_RB 1,#RB L	Pass	7.50	21.94	21.94	0.156	29.44	0.879	2
1860MHz_RB 1,#RB M	Pass	7.50	21.99	21.99	0.158	29.49	0.889	2
1860MHz_RB 1,#RB H	Pass	7.50	21.86	21.86	0.153	29.36	0.863	2
1860MHz_RB 50,#RB L	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
1860MHz_RB 50,#RB M	Pass	7.50	20.76	20.76	0.119	28.26	0.670	2
1860MHz_RB 50,#RB H	Pass	7.50	20.59	20.59	0.115	28.09	0.644	2
1880MHz_RB 100,#RB 0	Pass	7.50	20.68	20.68	0.117	28.18	0.658	2
1880MHz_RB 1,#RB L	Pass	7.50	21.97	21.97	0.157	29.47	0.885	2
1880MHz_RB 1,#RB M	Pass	7.50	22.05	22.05	0.160	29.55	0.902	2
1880MHz_RB 1,#RB H	Pass	7.50	21.88	21.88	0.154	29.38	0.867	2
1880MHz_RB 50,#RB L	Pass	7.50	20.72	20.72	0.118	28.22	0.664	2
1880MHz_RB 50,#RB M	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
1880MHz_RB 50,#RB H	Pass	7.50	20.65	20.65	0.116	28.15	0.653	2
1900MHz_RB 100,#RB 0	Pass	7.50	20.50	20.50	0.112	28.00	0.631	2
1900MHz_RB 1,#RB L	Pass	7.50	21.98	21.98	0.158	29.48	0.887	2
1900MHz_RB 1,#RB M	Pass	7.50	21.86	21.86	0.153	29.36	0.863	2
1900MHz_RB 1,#RB H	Pass	7.50	21.70	21.70	0.148	29.20	0.832	2



**Average Power (Mode 4: LTE Band 2)**

**Appendix A.4**

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1900MHz_RB 50,#RB L	Pass	7.50	20.54	20.54	0.113	28.04	0.637	2
1900MHz_RB 50,#RB M	Pass	7.50	20.47	20.47	0.111	27.97	0.627	2
1900MHz_RB 50,#RB H	Pass	7.50	20.49	20.49	0.112	27.99	0.630	2
Band 2_LTE_20MHz_64QAM_1TX	-	-	-	-	-	-	-	-
1860MHz_RB 100,#RB 0	Pass	7.50	20.60	20.60	0.115	28.10	0.646	2
1860MHz_RB 1,#RB L	Pass	7.50	21.80	21.80	0.151	29.30	0.851	2
1860MHz_RB 1,#RB M	Pass	7.50	21.83	21.83	0.152	29.33	0.857	2
1860MHz_RB 1,#RB H	Pass	7.50	21.65	21.65	0.146	29.15	0.822	2
1860MHz_RB 50,#RB L	Pass	7.50	20.68	20.68	0.117	28.18	0.658	2
1860MHz_RB 50,#RB M	Pass	7.50	20.72	20.72	0.118	28.22	0.664	2
1860MHz_RB 50,#RB H	Pass	7.50	20.58	20.58	0.114	28.08	0.643	2
1880MHz_RB 100,#RB 0	Pass	7.50	20.69	20.69	0.117	28.19	0.659	2
1880MHz_RB 1,#RB L	Pass	7.50	21.80	21.80	0.151	29.30	0.851	2
1880MHz_RB 1,#RB M	Pass	7.50	21.86	21.86	0.153	29.36	0.863	2
1880MHz_RB 1,#RB H	Pass	7.50	21.79	21.79	0.151	29.29	0.849	2
1880MHz_RB 50,#RB L	Pass	7.50	20.67	20.67	0.117	28.17	0.656	2
1880MHz_RB 50,#RB M	Pass	7.50	20.69	20.69	0.117	28.19	0.659	2
1880MHz_RB 50,#RB H	Pass	7.50	20.64	20.64	0.116	28.14	0.652	2
1900MHz_RB 100,#RB 0	Pass	7.50	20.56	20.56	0.114	28.06	0.640	2
1900MHz_RB 1,#RB L	Pass	7.50	21.78	21.78	0.151	29.28	0.847	2
1900MHz_RB 1,#RB M	Pass	7.50	21.66	21.66	0.147	29.16	0.824	2
1900MHz_RB 1,#RB H	Pass	7.50	21.63	21.63	0.146	29.13	0.818	2
1900MHz_RB 50,#RB L	Pass	7.50	20.53	20.53	0.113	28.03	0.635	2
1900MHz_RB 50,#RB M	Pass	7.50	20.46	20.46	0.111	27.96	0.625	2
1900MHz_RB 50,#RB H	Pass	7.50	20.45	20.45	0.111	27.95	0.624	2

DG = Directional Gain; Port n = Port n output power



Summary

Mode	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)
Band 4	-	-	-	-
LTE_1.4MHz_QPSK_1TX	22.32	0.171	29.82	0.959
LTE_1.4MHz_16QAM_1TX	21.74	0.149	29.24	0.839
LTE_1.4MHz_64QAM_1TX	21.49	0.141	28.99	0.793
LTE_3MHz_QPSK_1TX	22.32	0.171	29.82	0.959
LTE_3MHz_16QAM_1TX	21.66	0.147	29.16	0.824
LTE_3MHz_64QAM_1TX	21.49	0.141	28.99	0.793
LTE_5MHz_QPSK_1TX	22.40	0.174	29.90	0.977
LTE_5MHz_16QAM_1TX	21.72	0.149	29.22	0.836
LTE_5MHz_64QAM_1TX	21.57	0.144	29.07	0.807
LTE_10MHz_QPSK_1TX	22.45	0.176	29.95	0.989
LTE_10MHz_16QAM_1TX	21.78	0.151	29.28	0.847
LTE_10MHz_64QAM_1TX	21.59	0.144	29.09	0.811
LTE_15MHz_QPSK_1TX	22.40	0.174	29.90	0.977
LTE_15MHz_16QAM_1TX	21.63	0.146	29.13	0.818
LTE_15MHz_64QAM_1TX	21.53	0.142	29.03	0.800
LTE_20MHz_QPSK_1TX	22.36	0.172	29.86	0.968
LTE_20MHz_16QAM_1TX	21.70	0.148	29.20	0.832
LTE_20MHz_64QAM_1TX	21.52	0.142	29.02	0.798

DG = Directional Gain; Port n = Port n output power



## Average Power (Mode 5: LTE Band 4)

## Appendix A.5

### Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
Band 4_LTE_1.4MHz_QPSK_1TX	-	-	-	-	-	-	-	-
1710.7MHz_RB 6,#RB 0	Pass	7.50	21.12	21.12	0.129	28.62	0.728	1
1710.7MHz_RB 1,#RB L	Pass	7.50	22.14	22.14	0.164	29.64	0.920	1
1710.7MHz_RB 1,#RB M	Pass	7.50	22.24	22.24	0.167	29.74	0.942	1
1710.7MHz_RB 1,#RB H	Pass	7.50	22.13	22.13	0.163	29.63	0.918	1
1710.7MHz_RB 3,#RB L	Pass	7.50	22.13	22.13	0.163	29.63	0.918	1
1710.7MHz_RB 3,#RB M	Pass	7.50	22.17	22.17	0.165	29.67	0.927	1
1710.7MHz_RB 3,#RB H	Pass	7.50	22.15	22.15	0.164	29.65	0.923	1
1732.5MHz_RB 6,#RB 0	Pass	7.50	21.26	21.26	0.134	28.76	0.752	1
1732.5MHz_RB 1,#RB L	Pass	7.50	22.16	22.16	0.164	29.66	0.925	1
1732.5MHz_RB 1,#RB M	Pass	7.50	22.22	22.22	0.167	29.72	0.938	1
1732.5MHz_RB 1,#RB H	Pass	7.50	22.17	22.17	0.165	29.67	0.927	1
1732.5MHz_RB 3,#RB L	Pass	7.50	22.18	22.18	0.165	29.68	0.929	1
1732.5MHz_RB 3,#RB M	Pass	7.50	22.25	22.25	0.168	29.75	0.944	1
1732.5MHz_RB 3,#RB H	Pass	7.50	22.22	22.22	0.167	29.72	0.938	1
1754.3MHz_RB 6,#RB 0	Pass	7.50	21.26	21.26	0.134	28.76	0.752	1
1754.3MHz_RB 1,#RB L	Pass	7.50	22.27	22.27	0.169	29.77	0.948	1
1754.3MHz_RB 1,#RB M	Pass	7.50	22.32	22.32	0.171	29.82	0.959	1
1754.3MHz_RB 1,#RB H	Pass	7.50	22.24	22.24	0.167	29.74	0.942	1
1754.3MHz_RB 3,#RB L	Pass	7.50	22.31	22.31	0.170	29.81	0.957	1
1754.3MHz_RB 3,#RB M	Pass	7.50	22.31	22.31	0.170	29.81	0.957	1
1754.3MHz_RB 3,#RB H	Pass	7.50	22.28	22.28	0.169	29.78	0.951	1
Band 4_LTE_1.4MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1710.7MHz_RB 6,#RB 0	Pass	7.50	20.27	20.27	0.106	27.77	0.598	1
1710.7MHz_RB 1,#RB L	Pass	7.50	21.46	21.46	0.140	28.96	0.787	1
1710.7MHz_RB 1,#RB M	Pass	7.50	21.58	21.58	0.144	29.08	0.809	1
1710.7MHz_RB 1,#RB H	Pass	7.50	21.43	21.43	0.139	28.93	0.782	1
1710.7MHz_RB 3,#RB L	Pass	7.50	21.19	21.19	0.132	28.69	0.740	1
1710.7MHz_RB 3,#RB M	Pass	7.50	21.23	21.23	0.133	28.73	0.746	1
1710.7MHz_RB 3,#RB H	Pass	7.50	21.18	21.18	0.131	28.68	0.738	1
1732.5MHz_RB 6,#RB 0	Pass	7.50	20.33	20.33	0.108	27.83	0.607	1
1732.5MHz_RB 1,#RB L	Pass	7.50	21.44	21.44	0.139	28.94	0.783	1
1732.5MHz_RB 1,#RB M	Pass	7.50	21.49	21.49	0.141	28.99	0.793	1
1732.5MHz_RB 1,#RB H	Pass	7.50	21.44	21.44	0.139	28.94	0.783	1
1732.5MHz_RB 3,#RB L	Pass	7.50	21.20	21.20	0.132	28.70	0.741	1
1732.5MHz_RB 3,#RB M	Pass	7.50	21.24	21.24	0.133	28.74	0.748	1
1732.5MHz_RB 3,#RB H	Pass	7.50	21.24	21.24	0.133	28.74	0.748	1
1754.3MHz_RB 6,#RB 0	Pass	7.50	20.40	20.40	0.110	27.90	0.617	1
1754.3MHz_RB 1,#RB L	Pass	7.50	21.54	21.54	0.143	29.04	0.802	1
1754.3MHz_RB 1,#RB M	Pass	7.50	21.74	21.74	0.149	29.24	0.839	1
1754.3MHz_RB 1,#RB H	Pass	7.50	21.58	21.58	0.144	29.08	0.809	1
1754.3MHz_RB 3,#RB L	Pass	7.50	21.30	21.30	0.135	28.80	0.759	1
1754.3MHz_RB 3,#RB M	Pass	7.50	21.37	21.37	0.137	28.87	0.771	1
1754.3MHz_RB 3,#RB H	Pass	7.50	21.29	21.29	0.135	28.79	0.757	1
Band 4_LTE_1.4MHz_64QAM_1TX	-	-	-	-	-	-	-	-
1710.7MHz_RB 6,#RB 0	Pass	7.50	20.16	20.16	0.104	27.66	0.583	1
1710.7MHz_RB 1,#RB L	Pass	7.50	21.29	21.29	0.135	28.79	0.757	1
1710.7MHz_RB 1,#RB M	Pass	7.50	21.43	21.43	0.139	28.93	0.782	1
1710.7MHz_RB 1,#RB H	Pass	7.50	21.29	21.29	0.135	28.79	0.757	1
1710.7MHz_RB 3,#RB L	Pass	7.50	21.21	21.21	0.132	28.71	0.743	1
1710.7MHz_RB 3,#RB M	Pass	7.50	21.30	21.30	0.135	28.80	0.759	1
1710.7MHz_RB 3,#RB H	Pass	7.50	21.23	21.23	0.133	28.73	0.746	1
1732.5MHz_RB 6,#RB 0	Pass	7.50	20.23	20.23	0.105	27.73	0.593	1
1732.5MHz_RB 1,#RB L	Pass	7.50	21.37	21.37	0.137	28.87	0.771	1
1732.5MHz_RB 1,#RB M	Pass	7.50	21.37	21.37	0.137	28.87	0.771	1
1732.5MHz_RB 1,#RB H	Pass	7.50	21.27	21.27	0.134	28.77	0.753	1
1732.5MHz_RB 3,#RB L	Pass	7.50	21.24	21.24	0.133	28.74	0.748	1
1732.5MHz_RB 3,#RB M	Pass	7.50	21.30	21.30	0.135	28.80	0.759	1
1732.5MHz_RB 3,#RB H	Pass	7.50	21.23	21.23	0.133	28.73	0.746	1
1754.3MHz_RB 6,#RB 0	Pass	7.50	20.30	20.30	0.107	27.80	0.603	1
1754.3MHz_RB 1,#RB L	Pass	7.50	21.49	21.49	0.141	28.99	0.793	1



**Average Power (Mode 5: LTE Band 4)**

**Appendix A.5**

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1754.3MHz_RB 1,#RB M	Pass	7.50	21.49	21.49	0.141	28.99	0.793	1
1754.3MHz_RB 1,#RB H	Pass	7.50	21.48	21.48	0.141	28.98	0.791	1
1754.3MHz_RB 3,#RB L	Pass	7.50	21.35	21.35	0.136	28.85	0.767	1
1754.3MHz_RB 3,#RB M	Pass	7.50	21.43	21.43	0.139	28.93	0.782	1
1754.3MHz_RB 3,#RB H	Pass	7.50	21.37	21.37	0.137	28.87	0.771	1
Band 4_LTE_3MHz_OPSK_1TX	-	-	-	-	-	-	-	-
1711.5MHz_RB 15,#RB 0	Pass	7.50	21.22	21.22	0.132	28.72	0.745	1
1711.5MHz_RB 1,#RB L	Pass	7.50	22.17	22.17	0.165	29.67	0.927	1
1711.5MHz_RB 1,#RB M	Pass	7.50	22.24	22.24	0.167	29.74	0.942	1
1711.5MHz_RB 1,#RB H	Pass	7.50	22.24	22.24	0.167	29.74	0.942	1
1711.5MHz_RB 8,#RB L	Pass	7.50	21.19	21.19	0.132	28.69	0.740	1
1711.5MHz_RB 8,#RB M	Pass	7.50	21.26	21.26	0.134	28.76	0.752	1
1711.5MHz_RB 8,#RB H	Pass	7.50	21.22	21.22	0.132	28.72	0.745	1
1732.5MHz_RB 15,#RB 0	Pass	7.50	21.26	21.26	0.134	28.76	0.752	1
1732.5MHz_RB 1,#RB L	Pass	7.50	22.23	22.23	0.167	29.73	0.940	1
1732.5MHz_RB 1,#RB M	Pass	7.50	22.23	22.23	0.167	29.73	0.940	1
1732.5MHz_RB 1,#RB H	Pass	7.50	22.17	22.17	0.165	29.67	0.927	1
1732.5MHz_RB 8,#RB L	Pass	7.50	21.28	21.28	0.134	28.78	0.755	1
1732.5MHz_RB 8,#RB M	Pass	7.50	21.30	21.30	0.135	28.80	0.759	1
1732.5MHz_RB 8,#RB H	Pass	7.50	21.22	21.22	0.132	28.72	0.745	1
1753.5MHz_RB 15,#RB 0	Pass	7.50	21.31	21.31	0.135	28.81	0.760	1
1753.5MHz_RB 1,#RB L	Pass	7.50	22.31	22.31	0.170	29.81	0.957	1
1753.5MHz_RB 1,#RB M	Pass	7.50	22.32	22.32	0.171	29.82	0.959	1
1753.5MHz_RB 1,#RB H	Pass	7.50	22.31	22.31	0.170	29.81	0.957	1
1753.5MHz_RB 8,#RB L	Pass	7.50	21.33	21.33	0.136	28.83	0.764	1
1753.5MHz_RB 8,#RB M	Pass	7.50	21.35	21.35	0.136	28.85	0.767	1
1753.5MHz_RB 8,#RB H	Pass	7.50	21.36	21.36	0.137	28.86	0.769	1
Band 4_LTE_3MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1711.5MHz_RB 15,#RB 0	Pass	7.50	20.27	20.27	0.106	27.77	0.598	1
1711.5MHz_RB 1,#RB L	Pass	7.50	21.45	21.45	0.140	28.95	0.785	1
1711.5MHz_RB 1,#RB M	Pass	7.50	21.55	21.55	0.143	29.05	0.804	1
1711.5MHz_RB 1,#RB H	Pass	7.50	21.49	21.49	0.141	28.99	0.793	1
1711.5MHz_RB 8,#RB L	Pass	7.50	20.28	20.28	0.107	27.78	0.600	1
1711.5MHz_RB 8,#RB M	Pass	7.50	20.35	20.35	0.108	27.85	0.610	1
1711.5MHz_RB 8,#RB H	Pass	7.50	20.34	20.34	0.108	27.84	0.608	1
1732.5MHz_RB 15,#RB 0	Pass	7.50	20.31	20.31	0.107	27.81	0.604	1
1732.5MHz_RB 1,#RB L	Pass	7.50	21.51	21.51	0.142	29.01	0.796	1
1732.5MHz_RB 1,#RB M	Pass	7.50	21.46	21.46	0.140	28.96	0.787	1
1732.5MHz_RB 1,#RB H	Pass	7.50	21.39	21.39	0.138	28.89	0.774	1
1732.5MHz_RB 8,#RB L	Pass	7.50	20.34	20.34	0.108	27.84	0.608	1
1732.5MHz_RB 8,#RB M	Pass	7.50	20.36	20.36	0.109	27.86	0.611	1
1732.5MHz_RB 8,#RB H	Pass	7.50	20.34	20.34	0.108	27.84	0.608	1
1753.5MHz_RB 15,#RB 0	Pass	7.50	20.37	20.37	0.109	27.87	0.612	1
1753.5MHz_RB 1,#RB L	Pass	7.50	21.65	21.65	0.146	29.15	0.822	1
1753.5MHz_RB 1,#RB M	Pass	7.50	21.66	21.66	0.147	29.16	0.824	1
1753.5MHz_RB 1,#RB H	Pass	7.50	21.64	21.64	0.146	29.14	0.820	1
1753.5MHz_RB 8,#RB L	Pass	7.50	20.45	20.45	0.111	27.95	0.624	1
1753.5MHz_RB 8,#RB M	Pass	7.50	20.48	20.48	0.112	27.98	0.628	1
1753.5MHz_RB 8,#RB H	Pass	7.50	20.42	20.42	0.110	27.92	0.619	1
Band 4_LTE_3MHz_64QAM_1TX	-	-	-	-	-	-	-	-
1711.5MHz_RB 15,#RB 0	Pass	7.50	20.24	20.24	0.106	27.74	0.594	1
1711.5MHz_RB 1,#RB L	Pass	7.50	21.34	21.34	0.136	28.84	0.766	1
1711.5MHz_RB 1,#RB M	Pass	7.50	21.41	21.41	0.138	28.91	0.778	1
1711.5MHz_RB 1,#RB H	Pass	7.50	21.36	21.36	0.137	28.86	0.769	1
1711.5MHz_RB 8,#RB L	Pass	7.50	20.27	20.27	0.106	27.77	0.598	1
1711.5MHz_RB 8,#RB M	Pass	7.50	20.32	20.32	0.108	27.82	0.605	1
1711.5MHz_RB 8,#RB H	Pass	7.50	20.27	20.27	0.106	27.77	0.598	1
1732.5MHz_RB 15,#RB 0	Pass	7.50	20.27	20.27	0.106	27.77	0.598	1
1732.5MHz_RB 1,#RB L	Pass	7.50	21.36	21.36	0.137	28.86	0.769	1
1732.5MHz_RB 1,#RB M	Pass	7.50	21.39	21.39	0.138	28.89	0.774	1
1732.5MHz_RB 1,#RB H	Pass	7.50	21.30	21.30	0.135	28.80	0.759	1
1732.5MHz_RB 8,#RB L	Pass	7.50	20.33	20.33	0.108	27.83	0.607	1



**Average Power (Mode 5: LTE Band 4)**

**Appendix A.5**

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1732.5MHz_RB 8,#RB M	Pass	7.50	20.32	20.32	0.108	27.82	0.605	1
1732.5MHz_RB 8,#RB H	Pass	7.50	20.27	20.27	0.106	27.77	0.598	1
1753.5MHz_RB 15,#RB 0	Pass	7.50	20.30	20.30	0.107	27.80	0.603	1
1753.5MHz_RB 1,#RB L	Pass	7.50	21.44	21.44	0.139	28.94	0.783	1
1753.5MHz_RB 1,#RB M	Pass	7.50	21.49	21.49	0.141	28.99	0.793	1
1753.5MHz_RB 1,#RB H	Pass	7.50	21.49	21.49	0.141	28.99	0.793	1
1753.5MHz_RB 8,#RB L	Pass	7.50	20.41	20.41	0.110	27.91	0.618	1
1753.5MHz_RB 8,#RB M	Pass	7.50	20.41	20.41	0.110	27.91	0.618	1
1753.5MHz_RB 8,#RB H	Pass	7.50	20.42	20.42	0.110	27.92	0.619	1
Band 4_LTE_5MHz_OPSK_1TX	-	-	-	-	-	-	-	-
1712.5MHz_RB 25,#RB 0	Pass	7.50	21.24	21.24	0.133	28.74	0.748	1
1712.5MHz_RB 1,#RB L	Pass	7.50	22.18	22.18	0.165	29.68	0.929	1
1712.5MHz_RB 1,#RB M	Pass	7.50	22.33	22.33	0.171	29.83	0.962	1
1712.5MHz_RB 1,#RB H	Pass	7.50	22.24	22.24	0.167	29.74	0.942	1
1712.5MHz_RB 12,#RB L	Pass	7.50	21.19	21.19	0.132	28.69	0.740	1
1712.5MHz_RB 12,#RB M	Pass	7.50	21.27	21.27	0.134	28.77	0.753	1
1712.5MHz_RB 12,#RB H	Pass	7.50	21.26	21.26	0.134	28.76	0.752	1
1732.5MHz_RB 25,#RB 0	Pass	7.50	21.30	21.30	0.135	28.80	0.759	1
1732.5MHz_RB 1,#RB L	Pass	7.50	22.22	22.22	0.167	29.72	0.938	1
1732.5MHz_RB 1,#RB M	Pass	7.50	22.27	22.27	0.169	29.77	0.948	1
1732.5MHz_RB 1,#RB H	Pass	7.50	22.20	22.20	0.166	29.70	0.933	1
1732.5MHz_RB 12,#RB L	Pass	7.50	21.26	21.26	0.134	28.76	0.752	1
1732.5MHz_RB 12,#RB M	Pass	7.50	21.29	21.29	0.135	28.79	0.757	1
1732.5MHz_RB 12,#RB H	Pass	7.50	21.26	21.26	0.134	28.76	0.752	1
1752.5MHz_RB 25,#RB 0	Pass	7.50	21.33	21.33	0.136	28.83	0.764	1
1752.5MHz_RB 1,#RB L	Pass	7.50	22.35	22.35	0.172	29.85	0.966	1
1752.5MHz_RB 1,#RB M	Pass	7.50	22.40	22.40	0.174	29.90	0.977	1
1752.5MHz_RB 1,#RB H	Pass	7.50	22.28	22.28	0.169	29.78	0.951	1
1752.5MHz_RB 12,#RB L	Pass	7.50	21.38	21.38	0.137	28.88	0.773	1
1752.5MHz_RB 12,#RB M	Pass	7.50	21.41	21.41	0.138	28.91	0.778	1
1752.5MHz_RB 12,#RB H	Pass	7.50	21.37	21.37	0.137	28.87	0.771	1
Band 4_LTE_5MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1712.5MHz_RB 25,#RB 0	Pass	7.50	20.27	20.27	0.106	27.77	0.598	1
1712.5MHz_RB 1,#RB L	Pass	7.50	21.47	21.47	0.140	28.97	0.789	1
1712.5MHz_RB 1,#RB M	Pass	7.50	21.65	21.65	0.146	29.15	0.822	1
1712.5MHz_RB 1,#RB H	Pass	7.50	21.55	21.55	0.143	29.05	0.804	1
1712.5MHz_RB 12,#RB L	Pass	7.50	20.24	20.24	0.106	27.74	0.594	1
1712.5MHz_RB 12,#RB M	Pass	7.50	20.34	20.34	0.108	27.84	0.608	1
1712.5MHz_RB 12,#RB H	Pass	7.50	20.28	20.28	0.107	27.78	0.600	1
1732.5MHz_RB 25,#RB 0	Pass	7.50	20.31	20.31	0.107	27.81	0.604	1
1732.5MHz_RB 1,#RB L	Pass	7.50	21.46	21.46	0.140	28.96	0.787	1
1732.5MHz_RB 1,#RB M	Pass	7.50	21.54	21.54	0.143	29.04	0.802	1
1732.5MHz_RB 1,#RB H	Pass	7.50	21.50	21.50	0.141	29.00	0.794	1
1732.5MHz_RB 12,#RB L	Pass	7.50	20.28	20.28	0.107	27.78	0.600	1
1732.5MHz_RB 12,#RB M	Pass	7.50	20.36	20.36	0.109	27.86	0.611	1
1732.5MHz_RB 12,#RB H	Pass	7.50	20.26	20.26	0.106	27.76	0.597	1
1752.5MHz_RB 25,#RB 0	Pass	7.50	20.39	20.39	0.109	27.89	0.615	1
1752.5MHz_RB 1,#RB L	Pass	7.50	21.66	21.66	0.147	29.16	0.824	1
1752.5MHz_RB 1,#RB M	Pass	7.50	21.72	21.72	0.149	29.22	0.836	1
1752.5MHz_RB 1,#RB H	Pass	7.50	21.60	21.60	0.145	29.10	0.813	1
1752.5MHz_RB 12,#RB L	Pass	7.50	20.40	20.40	0.110	27.90	0.617	1
1752.5MHz_RB 12,#RB M	Pass	7.50	20.42	20.42	0.110	27.92	0.619	1
1752.5MHz_RB 12,#RB H	Pass	7.50	20.43	20.43	0.110	27.93	0.621	1
Band 4_LTE_5MHz_64QAM_1TX	-	-	-	-	-	-	-	-
1712.5MHz_RB 25,#RB 0	Pass	7.50	20.27	20.27	0.106	27.77	0.598	1
1712.5MHz_RB 1,#RB L	Pass	7.50	21.32	21.32	0.136	28.82	0.762	1
1712.5MHz_RB 1,#RB M	Pass	7.50	21.47	21.47	0.140	28.97	0.789	1
1712.5MHz_RB 1,#RB H	Pass	7.50	21.39	21.39	0.138	28.89	0.774	1
1712.5MHz_RB 12,#RB L	Pass	7.50	20.22	20.22	0.105	27.72	0.592	1
1712.5MHz_RB 12,#RB M	Pass	7.50	20.28	20.28	0.107	27.78	0.600	1
1712.5MHz_RB 12,#RB H	Pass	7.50	20.26	20.26	0.106	27.76	0.597	1
1732.5MHz_RB 25,#RB 0	Pass	7.50	20.28	20.28	0.107	27.78	0.600	1





**Average Power (Mode 5: LTE Band 4)**

**Appendix A.5**

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1732.5MHz_RB 1,#RB L	Pass	7.50	21.35	21.35	0.136	28.85	0.767	1
1732.5MHz_RB 1,#RB M	Pass	7.50	21.43	21.43	0.139	28.93	0.782	1
1732.5MHz_RB 1,#RB H	Pass	7.50	21.31	21.31	0.135	28.81	0.760	1
1732.5MHz_RB 12,#RB L	Pass	7.50	20.25	20.25	0.106	27.75	0.596	1
1732.5MHz_RB 12,#RB M	Pass	7.50	20.30	20.30	0.107	27.80	0.603	1
1732.5MHz_RB 12,#RB H	Pass	7.50	20.22	20.22	0.105	27.72	0.592	1
1752.5MHz_RB 25,#RB 0	Pass	7.50	20.39	20.39	0.109	27.89	0.615	1
1752.5MHz_RB 1,#RB L	Pass	7.50	21.48	21.48	0.141	28.98	0.791	1
1752.5MHz_RB 1,#RB M	Pass	7.50	21.57	21.57	0.144	29.07	0.807	1
1752.5MHz_RB 1,#RB H	Pass	7.50	21.43	21.43	0.139	28.93	0.782	1
1752.5MHz_RB 12,#RB L	Pass	7.50	20.34	20.34	0.108	27.84	0.608	1
1752.5MHz_RB 12,#RB M	Pass	7.50	20.38	20.38	0.109	27.88	0.614	1
1752.5MHz_RB 12,#RB H	Pass	7.50	20.36	20.36	0.109	27.86	0.611	1
Band 4_LTE_10MHz_OPSK_1TX	-	-	-	-	-	-	-	-
1715MHz_RB 50,#RB 0	Pass	7.50	21.25	21.25	0.133	28.75	0.750	1
1715MHz_RB 1,#RB L	Pass	7.50	22.25	22.25	0.168	29.75	0.944	1
1715MHz_RB 1,#RB M	Pass	7.50	22.33	22.33	0.171	29.83	0.962	1
1715MHz_RB 1,#RB H	Pass	7.50	22.35	22.35	0.172	29.85	0.966	1
1715MHz_RB 25,#RB L	Pass	7.50	21.26	21.26	0.134	28.76	0.752	1
1715MHz_RB 25,#RB M	Pass	7.50	21.32	21.32	0.136	28.82	0.762	1
1715MHz_RB 25,#RB H	Pass	7.50	21.28	21.28	0.134	28.78	0.755	1
1732.5MHz_RB 50,#RB 0	Pass	7.50	21.27	21.27	0.134	28.77	0.753	1
1732.5MHz_RB 1,#RB L	Pass	7.50	22.34	22.34	0.171	29.84	0.964	1
1732.5MHz_RB 1,#RB M	Pass	7.50	22.31	22.31	0.170	29.81	0.957	1
1732.5MHz_RB 1,#RB H	Pass	7.50	22.18	22.18	0.165	29.68	0.929	1
1732.5MHz_RB 25,#RB L	Pass	7.50	21.35	21.35	0.136	28.85	0.767	1
1732.5MHz_RB 25,#RB M	Pass	7.50	21.32	21.32	0.136	28.82	0.762	1
1732.5MHz_RB 25,#RB H	Pass	7.50	21.29	21.29	0.135	28.79	0.757	1
1750MHz_RB 50,#RB 0	Pass	7.50	21.38	21.38	0.137	28.88	0.773	1
1750MHz_RB 1,#RB L	Pass	7.50	22.38	22.38	0.173	29.88	0.973	1
1750MHz_RB 1,#RB M	Pass	7.50	22.45	22.45	0.176	29.95	0.989	1
1750MHz_RB 1,#RB H	Pass	7.50	22.28	22.28	0.169	29.78	0.951	1
1750MHz_RB 25,#RB L	Pass	7.50	21.42	21.42	0.139	28.92	0.780	1
1750MHz_RB 25,#RB M	Pass	7.50	21.45	21.45	0.140	28.95	0.785	1
1750MHz_RB 25,#RB H	Pass	7.50	21.40	21.40	0.138	28.90	0.776	1
Band 4_LTE_10MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1715MHz_RB 50,#RB 0	Pass	7.50	20.32	20.32	0.108	27.82	0.605	1
1715MHz_RB 1,#RB L	Pass	7.50	21.64	21.64	0.146	29.14	0.820	1
1715MHz_RB 1,#RB M	Pass	7.50	21.67	21.67	0.147	29.17	0.826	1
1715MHz_RB 1,#RB H	Pass	7.50	21.74	21.74	0.149	29.24	0.839	1
1715MHz_RB 25,#RB L	Pass	7.50	20.30	20.30	0.107	27.80	0.603	1
1715MHz_RB 25,#RB M	Pass	7.50	20.37	20.37	0.109	27.87	0.612	1
1715MHz_RB 25,#RB H	Pass	7.50	20.37	20.37	0.109	27.87	0.612	1
1732.5MHz_RB 50,#RB 0	Pass	7.50	20.35	20.35	0.108	27.85	0.610	1
1732.5MHz_RB 1,#RB L	Pass	7.50	21.64	21.64	0.146	29.14	0.820	1
1732.5MHz_RB 1,#RB M	Pass	7.50	21.54	21.54	0.143	29.04	0.802	1
1732.5MHz_RB 1,#RB H	Pass	7.50	21.43	21.43	0.139	28.93	0.782	1
1732.5MHz_RB 25,#RB L	Pass	7.50	20.36	20.36	0.109	27.86	0.611	1
1732.5MHz_RB 25,#RB M	Pass	7.50	20.33	20.33	0.108	27.83	0.607	1
1732.5MHz_RB 25,#RB H	Pass	7.50	20.29	20.29	0.107	27.79	0.601	1
1750MHz_RB 50,#RB 0	Pass	7.50	20.42	20.42	0.110	27.92	0.619	1
1750MHz_RB 1,#RB L	Pass	7.50	21.78	21.78	0.151	29.28	0.847	1
1750MHz_RB 1,#RB M	Pass	7.50	21.67	21.67	0.147	29.17	0.826	1
1750MHz_RB 1,#RB H	Pass	7.50	21.67	21.67	0.147	29.17	0.826	1
1750MHz_RB 25,#RB L	Pass	7.50	20.45	20.45	0.111	27.95	0.624	1
1750MHz_RB 25,#RB M	Pass	7.50	20.44	20.44	0.111	27.94	0.622	1
1750MHz_RB 25,#RB H	Pass	7.50	20.45	20.45	0.111	27.95	0.624	1
Band 4_LTE_10MHz_64QAM_1TX	-	-	-	-	-	-	-	-
1715MHz_RB 50,#RB 0	Pass	7.50	20.30	20.30	0.107	27.80	0.603	1
1715MHz_RB 1,#RB L	Pass	7.50	21.44	21.44	0.139	28.94	0.783	1
1715MHz_RB 1,#RB M	Pass	7.50	21.49	21.49	0.141	28.99	0.793	1
1715MHz_RB 1,#RB H	Pass	7.50	21.44	21.44	0.139	28.94	0.783	1



**Average Power (Mode 5: LTE Band 4)**

**Appendix A.5**

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1715MHz_RB 25,#RB L	Pass	7.50	20.31	20.31	0.107	27.81	0.604	1
1715MHz_RB 25,#RB M	Pass	7.50	20.34	20.34	0.108	27.84	0.608	1
1715MHz_RB 25,#RB H	Pass	7.50	20.38	20.38	0.109	27.88	0.614	1
1732.5MHz_RB 50,#RB 0	Pass	7.50	20.31	20.31	0.107	27.81	0.604	1
1732.5MHz_RB 1,#RB L	Pass	7.50	21.42	21.42	0.139	28.92	0.780	1
1732.5MHz_RB 1,#RB M	Pass	7.50	21.41	21.41	0.138	28.91	0.778	1
1732.5MHz_RB 1,#RB H	Pass	7.50	21.32	21.32	0.136	28.82	0.762	1
1732.5MHz_RB 25,#RB L	Pass	7.50	20.35	20.35	0.108	27.85	0.610	1
1732.5MHz_RB 25,#RB M	Pass	7.50	20.40	20.40	0.110	27.90	0.617	1
1732.5MHz_RB 25,#RB H	Pass	7.50	20.30	20.30	0.107	27.80	0.603	1
1750MHz_RB 50,#RB 0	Pass	7.50	20.40	20.40	0.110	27.90	0.617	1
1750MHz_RB 1,#RB L	Pass	7.50	21.51	21.51	0.142	29.01	0.796	1
1750MHz_RB 1,#RB M	Pass	7.50	21.59	21.59	0.144	29.09	0.811	1
1750MHz_RB 1,#RB H	Pass	7.50	21.47	21.47	0.140	28.97	0.789	1
1750MHz_RB 25,#RB L	Pass	7.50	20.39	20.39	0.109	27.89	0.615	1
1750MHz_RB 25,#RB M	Pass	7.50	20.47	20.47	0.111	27.97	0.627	1
1750MHz_RB 25,#RB H	Pass	7.50	20.44	20.44	0.111	27.94	0.622	1
Band 4_LTE_15MHz_OPSK_1TX	-	-	-	-	-	-	-	-
1717.5MHz_RB 75,#RB 0	Pass	7.50	21.22	21.22	0.132	28.72	0.745	1
1717.5MHz_RB 1,#RB L	Pass	7.50	22.22	22.22	0.167	29.72	0.938	1
1717.5MHz_RB 1,#RB M	Pass	7.50	22.33	22.33	0.171	29.83	0.962	1
1717.5MHz_RB 1,#RB H	Pass	7.50	22.20	22.20	0.166	29.70	0.933	1
1717.5MHz_RB 36,#RB L	Pass	7.50	21.31	21.31	0.135	28.81	0.760	1
1717.5MHz_RB 36,#RB M	Pass	7.50	21.28	21.28	0.134	28.78	0.755	1
1717.5MHz_RB 36,#RB H	Pass	7.50	21.25	21.25	0.133	28.75	0.750	1
1732.5MHz_RB 75,#RB 0	Pass	7.50	21.34	21.34	0.136	28.84	0.766	1
1732.5MHz_RB 1,#RB L	Pass	7.50	22.24	22.24	0.167	29.74	0.942	1
1732.5MHz_RB 1,#RB M	Pass	7.50	22.25	22.25	0.168	29.75	0.944	1
1732.5MHz_RB 1,#RB H	Pass	7.50	22.17	22.17	0.165	29.67	0.927	1
1732.5MHz_RB 36,#RB L	Pass	7.50	21.33	21.33	0.136	28.83	0.764	1
1732.5MHz_RB 36,#RB M	Pass	7.50	21.35	21.35	0.136	28.85	0.767	1
1732.5MHz_RB 36,#RB H	Pass	7.50	21.28	21.28	0.134	28.78	0.755	1
1747.5MHz_RB 75,#RB 0	Pass	7.50	21.30	21.30	0.135	28.80	0.759	1
1747.5MHz_RB 1,#RB L	Pass	7.50	22.25	22.25	0.168	29.75	0.944	1
1747.5MHz_RB 1,#RB M	Pass	7.50	22.40	22.40	0.174	29.90	0.977	1
1747.5MHz_RB 1,#RB H	Pass	7.50	22.29	22.29	0.169	29.79	0.953	1
1747.5MHz_RB 36,#RB L	Pass	7.50	21.25	21.25	0.133	28.75	0.750	1
1747.5MHz_RB 36,#RB M	Pass	7.50	21.39	21.39	0.138	28.89	0.774	1
1747.5MHz_RB 36,#RB H	Pass	7.50	21.40	21.40	0.138	28.90	0.776	1
Band 4_LTE_15MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1717.5MHz_RB 75,#RB 0	Pass	7.50	20.26	20.26	0.106	27.76	0.597	1
1717.5MHz_RB 1,#RB L	Pass	7.50	21.47	21.47	0.140	28.97	0.789	1
1717.5MHz_RB 1,#RB M	Pass	7.50	21.53	21.53	0.142	29.03	0.800	1
1717.5MHz_RB 1,#RB H	Pass	7.50	21.57	21.57	0.144	29.07	0.807	1
1717.5MHz_RB 36,#RB L	Pass	7.50	20.36	20.36	0.109	27.86	0.611	1
1717.5MHz_RB 36,#RB M	Pass	7.50	20.33	20.33	0.108	27.83	0.607	1
1717.5MHz_RB 36,#RB H	Pass	7.50	20.32	20.32	0.108	27.82	0.605	1
1732.5MHz_RB 75,#RB 0	Pass	7.50	20.32	20.32	0.108	27.82	0.605	1
1732.5MHz_RB 1,#RB L	Pass	7.50	21.58	21.58	0.144	29.08	0.809	1
1732.5MHz_RB 1,#RB M	Pass	7.50	21.56	21.56	0.143	29.06	0.805	1
1732.5MHz_RB 1,#RB H	Pass	7.50	21.44	21.44	0.139	28.94	0.783	1
1732.5MHz_RB 36,#RB L	Pass	7.50	20.32	20.32	0.108	27.82	0.605	1
1732.5MHz_RB 36,#RB M	Pass	7.50	20.36	20.36	0.109	27.86	0.611	1
1732.5MHz_RB 36,#RB H	Pass	7.50	20.28	20.28	0.107	27.78	0.600	1
1747.5MHz_RB 75,#RB 0	Pass	7.50	20.37	20.37	0.109	27.87	0.612	1
1747.5MHz_RB 1,#RB L	Pass	7.50	21.48	21.48	0.141	28.98	0.791	1
1747.5MHz_RB 1,#RB M	Pass	7.50	21.61	21.61	0.145	29.11	0.815	1
1747.5MHz_RB 1,#RB H	Pass	7.50	21.63	21.63	0.146	29.13	0.818	1
1747.5MHz_RB 36,#RB L	Pass	7.50	20.26	20.26	0.106	27.76	0.597	1
1747.5MHz_RB 36,#RB M	Pass	7.50	20.42	20.42	0.110	27.92	0.619	1
1747.5MHz_RB 36,#RB H	Pass	7.50	20.42	20.42	0.110	27.92	0.619	1
Band 4_LTE_15MHz_64QAM_1TX	-	-	-	-	-	-	-	-



**Average Power (Mode 5: LTE Band 4)**

**Appendix A.5**

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1717.5MHz_RB 75,#RB 0	Pass	7.50	20.23	20.23	0.105	27.73	0.593	1
1717.5MHz_RB 1,#RB L	Pass	7.50	21.38	21.38	0.137	28.88	0.773	1
1717.5MHz_RB 1,#RB M	Pass	7.50	21.52	21.52	0.142	29.02	0.798	1
1717.5MHz_RB 1,#RB H	Pass	7.50	21.39	21.39	0.138	28.89	0.774	1
1717.5MHz_RB 36,#RB L	Pass	7.50	20.33	20.33	0.108	27.83	0.607	1
1717.5MHz_RB 36,#RB M	Pass	7.50	20.32	20.32	0.108	27.82	0.605	1
1717.5MHz_RB 36,#RB H	Pass	7.50	20.30	20.30	0.107	27.80	0.603	1
1732.5MHz_RB 75,#RB 0	Pass	7.50	20.31	20.31	0.107	27.81	0.604	1
1732.5MHz_RB 1,#RB L	Pass	7.50	21.39	21.39	0.138	28.89	0.774	1
1732.5MHz_RB 1,#RB M	Pass	7.50	21.36	21.36	0.137	28.86	0.769	1
1732.5MHz_RB 1,#RB H	Pass	7.50	21.33	21.33	0.136	28.83	0.764	1
1732.5MHz_RB 36,#RB L	Pass	7.50	20.30	20.30	0.107	27.80	0.603	1
1732.5MHz_RB 36,#RB M	Pass	7.50	20.34	20.34	0.108	27.84	0.608	1
1732.5MHz_RB 36,#RB H	Pass	7.50	20.25	20.25	0.106	27.75	0.596	1
1747.5MHz_RB 75,#RB 0	Pass	7.50	20.35	20.35	0.108	27.85	0.610	1
1747.5MHz_RB 1,#RB L	Pass	7.50	21.42	21.42	0.139	28.92	0.780	1
1747.5MHz_RB 1,#RB M	Pass	7.50	21.53	21.53	0.142	29.03	0.800	1
1747.5MHz_RB 1,#RB H	Pass	7.50	21.47	21.47	0.140	28.97	0.789	1
1747.5MHz_RB 36,#RB L	Pass	7.50	20.26	20.26	0.106	27.76	0.597	1
1747.5MHz_RB 36,#RB M	Pass	7.50	20.41	20.41	0.110	27.91	0.618	1
1747.5MHz_RB 36,#RB H	Pass	7.50	20.40	20.40	0.110	27.90	0.617	1
Band 4_LTE_20MHz_OPSK_1TX	-	-	-	-	-	-	-	-
1720MHz_RB 100,#RB 0	Pass	7.50	21.23	21.23	0.133	28.73	0.746	1
1720MHz_RB 1,#RB L	Pass	7.50	22.16	22.16	0.164	29.66	0.925	1
1720MHz_RB 1,#RB M	Pass	7.50	22.35	22.35	0.172	29.85	0.966	1
1720MHz_RB 1,#RB H	Pass	7.50	22.19	22.19	0.166	29.69	0.931	1
1720MHz_RB 50,#RB L	Pass	7.50	21.26	21.26	0.134	28.76	0.752	1
1720MHz_RB 50,#RB M	Pass	7.50	21.26	21.26	0.134	28.76	0.752	1
1720MHz_RB 50,#RB H	Pass	7.50	21.27	21.27	0.134	28.77	0.753	1
1732.5MHz_RB 100,#RB 0	Pass	7.50	21.25	21.25	0.133	28.75	0.750	1
1732.5MHz_RB 1,#RB L	Pass	7.50	22.23	22.23	0.167	29.73	0.940	1
1732.5MHz_RB 1,#RB M	Pass	7.50	22.28	22.28	0.169	29.78	0.951	1
1732.5MHz_RB 1,#RB H	Pass	7.50	22.19	22.19	0.166	29.69	0.931	1
1732.5MHz_RB 50,#RB L	Pass	7.50	21.26	21.26	0.134	28.76	0.752	1
1732.5MHz_RB 50,#RB M	Pass	7.50	21.34	21.34	0.136	28.84	0.766	1
1732.5MHz_RB 50,#RB H	Pass	7.50	21.28	21.28	0.134	28.78	0.755	1
1745MHz_RB 100,#RB 0	Pass	7.50	21.27	21.27	0.134	28.77	0.753	1
1745MHz_RB 1,#RB L	Pass	7.50	22.22	22.22	0.167	29.72	0.938	1
1745MHz_RB 1,#RB M	Pass	7.50	22.36	22.36	0.172	29.86	0.968	1
1745MHz_RB 1,#RB H	Pass	7.50	22.26	22.26	0.168	29.76	0.946	1
1745MHz_RB 50,#RB L	Pass	7.50	21.27	21.27	0.134	28.77	0.753	1
1745MHz_RB 50,#RB M	Pass	7.50	21.27	21.27	0.134	28.77	0.753	1
1745MHz_RB 50,#RB H	Pass	7.50	21.35	21.35	0.136	28.85	0.767	1
Band 4_LTE_20MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1720MHz_RB 100,#RB 0	Pass	7.50	20.24	20.24	0.106	27.74	0.594	1
1720MHz_RB 1,#RB L	Pass	7.50	21.57	21.57	0.144	29.07	0.807	1
1720MHz_RB 1,#RB M	Pass	7.50	21.68	21.68	0.147	29.18	0.828	1
1720MHz_RB 1,#RB H	Pass	7.50	21.60	21.60	0.145	29.10	0.813	1
1720MHz_RB 50,#RB L	Pass	7.50	20.28	20.28	0.107	27.78	0.600	1
1720MHz_RB 50,#RB M	Pass	7.50	20.29	20.29	0.107	27.79	0.601	1
1720MHz_RB 50,#RB H	Pass	7.50	20.30	20.30	0.107	27.80	0.603	1
1732.5MHz_RB 100,#RB 0	Pass	7.50	20.29	20.29	0.107	27.79	0.601	1
1732.5MHz_RB 1,#RB L	Pass	7.50	21.54	21.54	0.143	29.04	0.802	1
1732.5MHz_RB 1,#RB M	Pass	7.50	21.54	21.54	0.143	29.04	0.802	1
1732.5MHz_RB 1,#RB H	Pass	7.50	21.45	21.45	0.140	28.95	0.785	1
1732.5MHz_RB 50,#RB L	Pass	7.50	20.27	20.27	0.106	27.77	0.598	1
1732.5MHz_RB 50,#RB M	Pass	7.50	20.35	20.35	0.108	27.85	0.610	1
1732.5MHz_RB 50,#RB H	Pass	7.50	20.31	20.31	0.107	27.81	0.604	1
1745MHz_RB 100,#RB 0	Pass	7.50	20.30	20.30	0.107	27.80	0.603	1
1745MHz_RB 1,#RB L	Pass	7.50	21.58	21.58	0.144	29.08	0.809	1
1745MHz_RB 1,#RB M	Pass	7.50	21.70	21.70	0.148	29.20	0.832	1
1745MHz_RB 1,#RB H	Pass	7.50	21.56	21.56	0.143	29.06	0.805	1



**Average Power (Mode 5: LTE Band 4)**

**Appendix A.5**

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1745MHz_RB 50,#RB L	Pass	7.50	20.30	20.30	0.107	27.80	0.603	1
1745MHz_RB 50,#RB M	Pass	7.50	20.30	20.30	0.107	27.80	0.603	1
1745MHz_RB 50,#RB H	Pass	7.50	20.44	20.44	0.111	27.94	0.622	1
Band 4_LTE_20MHz_64QAM_1TX	-	-	-	-	-	-	-	-
1720MHz_RB 100,#RB 0	Pass	7.50	20.25	20.25	0.106	27.75	0.596	1
1720MHz_RB 1,#RB L	Pass	7.50	21.28	21.28	0.134	28.78	0.755	1
1720MHz_RB 1,#RB M	Pass	7.50	21.51	21.51	0.142	29.01	0.796	1
1720MHz_RB 1,#RB H	Pass	7.50	21.39	21.39	0.138	28.89	0.774	1
1720MHz_RB 50,#RB L	Pass	7.50	20.29	20.29	0.107	27.79	0.601	1
1720MHz_RB 50,#RB M	Pass	7.50	20.29	20.29	0.107	27.79	0.601	1
1720MHz_RB 50,#RB H	Pass	7.50	20.30	20.30	0.107	27.80	0.603	1
1732.5MHz_RB 100,#RB 0	Pass	7.50	20.27	20.27	0.106	27.77	0.598	1
1732.5MHz_RB 1,#RB L	Pass	7.50	21.33	21.33	0.136	28.83	0.764	1
1732.5MHz_RB 1,#RB M	Pass	7.50	21.42	21.42	0.139	28.92	0.780	1
1732.5MHz_RB 1,#RB H	Pass	7.50	21.32	21.32	0.136	28.82	0.762	1
1732.5MHz_RB 50,#RB L	Pass	7.50	20.25	20.25	0.106	27.75	0.596	1
1732.5MHz_RB 50,#RB M	Pass	7.50	20.32	20.32	0.108	27.82	0.605	1
1732.5MHz_RB 50,#RB H	Pass	7.50	20.29	20.29	0.107	27.79	0.601	1
1745MHz_RB 100,#RB 0	Pass	7.50	20.29	20.29	0.107	27.79	0.601	1
1745MHz_RB 1,#RB L	Pass	7.50	21.33	21.33	0.136	28.83	0.764	1
1745MHz_RB 1,#RB M	Pass	7.50	21.52	21.52	0.142	29.02	0.798	1
1745MHz_RB 1,#RB H	Pass	7.50	21.41	21.41	0.138	28.91	0.778	1
1745MHz_RB 50,#RB L	Pass	7.50	20.28	20.28	0.107	27.78	0.600	1
1745MHz_RB 50,#RB M	Pass	7.50	20.29	20.29	0.107	27.79	0.601	1
1745MHz_RB 50,#RB H	Pass	7.50	20.40	20.40	0.110	27.90	0.617	1

DG = Directional Gain; Port n = Port n output power



Summary

Mode	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)
Band 5	-	-	-	-
LTE_1.4MHz_1TX	21.62	0.145	25.97	0.395
LTE_1.4MHz_1TX	21.92	0.156	26.27	0.423
LTE_1.4MHz_1TX	21.80	0.151	26.15	0.412
LTE_3MHz_1TX	21.76	0.150	26.11	0.408
LTE_3MHz_1TX	21.98	0.158	26.33	0.429
LTE_3MHz_1TX	21.90	0.155	26.25	0.421
LTE_5MHz_1TX	21.85	0.153	26.20	0.416
LTE_5MHz_1TX	22.05	0.160	26.40	0.436
LTE_5MHz_1TX	21.92	0.156	26.27	0.423
LTE_10MHz_1TX	21.96	0.157	26.31	0.427
LTE_10MHz_1TX	22.24	0.167	26.59	0.456
LTE_10MHz_1TX	21.98	0.158	26.33	0.429

DG = Directional Gain; Port n = Port n output power



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
Band 5_LTE_1.4MHz_1TX	-	-	-	-	-	-	-	-
824.7MHz_OPSK_RB 6,#RB 0	Pass	6.50	21.50	21.50	0.141	25.85	0.384	7.00
824.7MHz_OPSK_RB 1,#RB L	Pass	6.50	21.47	21.47	0.140	25.82	0.381	7.00
824.7MHz_OPSK_RB 1,#RB M	Pass	6.50	21.58	21.58	0.144	25.93	0.391	7.00
824.7MHz_OPSK_RB 1,#RB H	Pass	6.50	21.45	21.45	0.140	25.80	0.380	7.00
824.7MHz_OPSK_RB 3,#RB L	Pass	6.50	21.48	21.48	0.141	25.83	0.382	7.00
824.7MHz_OPSK_RB 3,#RB M	Pass	6.50	21.51	21.51	0.142	25.86	0.385	7.00
824.7MHz_OPSK_RB 3,#RB H	Pass	6.50	21.48	21.48	0.141	25.83	0.382	7.00
836.5MHz_OPSK_RB 6,#RB 0	Pass	6.50	21.62	21.62	0.145	25.97	0.395	7.00
836.5MHz_OPSK_RB 1,#RB L	Pass	6.50	21.54	21.54	0.143	25.89	0.388	7.00
836.5MHz_OPSK_RB 1,#RB M	Pass	6.50	21.60	21.60	0.145	25.95	0.393	7.00
836.5MHz_OPSK_RB 1,#RB H	Pass	6.50	21.51	21.51	0.142	25.86	0.385	7.00
836.5MHz_OPSK_RB 3,#RB L	Pass	6.50	21.61	21.61	0.145	25.96	0.394	7.00
836.5MHz_OPSK_RB 3,#RB M	Pass	6.50	21.59	21.59	0.144	25.94	0.392	7.00
836.5MHz_OPSK_RB 3,#RB H	Pass	6.50	21.60	21.60	0.145	25.95	0.393	7.00
848.3MHz_OPSK_RB 6,#RB 0	Pass	6.50	21.47	21.47	0.140	25.82	0.381	7.00
848.3MHz_OPSK_RB 1,#RB L	Pass	6.50	21.40	21.40	0.138	25.75	0.375	7.00
848.3MHz_OPSK_RB 1,#RB M	Pass	6.50	21.45	21.45	0.140	25.80	0.380	7.00
848.3MHz_OPSK_RB 1,#RB H	Pass	6.50	21.27	21.27	0.134	25.62	0.364	7.00
848.3MHz_OPSK_RB 3,#RB L	Pass	6.50	21.41	21.41	0.138	25.76	0.376	7.00
848.3MHz_OPSK_RB 3,#RB M	Pass	6.50	21.45	21.45	0.140	25.80	0.380	7.00
848.3MHz_OPSK_RB 3,#RB H	Pass	6.50	21.40	21.40	0.138	25.75	0.375	7.00
824.7MHz_16QAM_RB 6,#RB 0	Pass	6.50	21.30	21.30	0.135	25.65	0.367	7.00
824.7MHz_16QAM_RB 1,#RB L	Pass	6.50	21.78	21.78	0.151	26.13	0.410	7.00
824.7MHz_16QAM_RB 1,#RB M	Pass	6.50	21.89	21.89	0.155	26.24	0.420	7.00
824.7MHz_16QAM_RB 1,#RB H	Pass	6.50	21.79	21.79	0.151	26.14	0.411	7.00
824.7MHz_16QAM_RB 3,#RB L	Pass	6.50	21.55	21.55	0.143	25.90	0.389	7.00
824.7MHz_16QAM_RB 3,#RB M	Pass	6.50	21.55	21.55	0.143	25.90	0.389	7.00
824.7MHz_16QAM_RB 3,#RB H	Pass	6.50	21.49	21.49	0.141	25.84	0.383	7.00
836.5MHz_16QAM_RB 6,#RB 0	Pass	6.50	21.48	21.48	0.141	25.83	0.382	7.00
836.5MHz_16QAM_RB 1,#RB L	Pass	6.50	21.75	21.75	0.150	26.10	0.407	7.00
836.5MHz_16QAM_RB 1,#RB M	Pass	6.50	21.92	21.92	0.156	26.27	0.423	7.00
836.5MHz_16QAM_RB 1,#RB H	Pass	6.50	21.78	21.78	0.151	26.13	0.410	7.00
836.5MHz_16QAM_RB 3,#RB L	Pass	6.50	21.63	21.63	0.146	25.98	0.396	7.00
836.5MHz_16QAM_RB 3,#RB M	Pass	6.50	21.66	21.66	0.147	26.01	0.399	7.00
836.5MHz_16QAM_RB 3,#RB H	Pass	6.50	21.60	21.60	0.145	25.95	0.393	7.00
848.3MHz_16QAM_RB 6,#RB 0	Pass	6.50	21.27	21.27	0.134	25.62	0.364	7.00
848.3MHz_16QAM_RB 1,#RB L	Pass	6.50	21.62	21.62	0.145	25.97	0.395	7.00
848.3MHz_16QAM_RB 1,#RB M	Pass	6.50	21.66	21.66	0.147	26.01	0.399	7.00
848.3MHz_16QAM_RB 1,#RB H	Pass	6.50	21.57	21.57	0.144	25.92	0.390	7.00
848.3MHz_16QAM_RB 3,#RB L	Pass	6.50	21.46	21.46	0.140	25.81	0.381	7.00
848.3MHz_16QAM_RB 3,#RB M	Pass	6.50	21.46	21.46	0.140	25.81	0.381	7.00
848.3MHz_16QAM_RB 3,#RB H	Pass	6.50	21.39	21.39	0.138	25.74	0.374	7.00
824.7MHz_64QAM_RB 6,#RB 0	Pass	6.50	21.33	21.33	0.136	25.68	0.369	7.00
824.7MHz_64QAM_RB 1,#RB L	Pass	6.50	21.60	21.60	0.145	25.95	0.393	7.00
824.7MHz_64QAM_RB 1,#RB M	Pass	6.50	21.72	21.72	0.149	26.07	0.404	7.00
824.7MHz_64QAM_RB 1,#RB H	Pass	6.50	21.66	21.66	0.147	26.01	0.399	7.00
824.7MHz_64QAM_RB 3,#RB L	Pass	6.50	21.59	21.59	0.144	25.94	0.392	7.00
824.7MHz_64QAM_RB 3,#RB M	Pass	6.50	21.65	21.65	0.146	26.00	0.398	7.00
824.7MHz_64QAM_RB 3,#RB H	Pass	6.50	21.60	21.60	0.145	25.95	0.393	7.00
836.5MHz_64QAM_RB 6,#RB 0	Pass	6.50	21.38	21.38	0.137	25.73	0.374	7.00
836.5MHz_64QAM_RB 1,#RB L	Pass	6.50	21.71	21.71	0.148	26.06	0.403	7.00
836.5MHz_64QAM_RB 1,#RB M	Pass	6.50	21.80	21.80	0.151	26.15	0.412	7.00
836.5MHz_64QAM_RB 1,#RB H	Pass	6.50	21.73	21.73	0.149	26.08	0.405	7.00
836.5MHz_64QAM_RB 3,#RB L	Pass	6.50	21.65	21.65	0.146	26.00	0.398	7.00
836.5MHz_64QAM_RB 3,#RB M	Pass	6.50	21.71	21.71	0.148	26.06	0.403	7.00
836.5MHz_64QAM_RB 3,#RB H	Pass	6.50	21.65	21.65	0.146	26.00	0.398	7.00
848.3MHz_64QAM_RB 6,#RB 0	Pass	6.50	21.22	21.22	0.132	25.57	0.360	7.00
848.3MHz_64QAM_RB 1,#RB L	Pass	6.50	21.56	21.56	0.143	25.91	0.389	7.00
848.3MHz_64QAM_RB 1,#RB M	Pass	6.50	21.59	21.59	0.144	25.94	0.392	7.00
848.3MHz_64QAM_RB 1,#RB H	Pass	6.50	21.55	21.55	0.143	25.90	0.389	7.00



## Average Power (Mode 6: LTE Band 5)

## Appendix A.6

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
848.3MHz_64QAM_RB 3,#RB L	Pass	6.50	21.45	21.45	0.140	25.80	0.380	7.00
848.3MHz_64QAM_RB 3,#RB M	Pass	6.50	21.46	21.46	0.140	25.81	0.381	7.00
848.3MHz_64QAM_RB 3,#RB H	Pass	6.50	21.40	21.40	0.138	25.75	0.375	7.00
Band 5_LTE_3MHz_1TX	-	-	-	-	-	-	-	-
825.5MHz_QPSK_RB 15,#RB 0	Pass	6.50	21.50	21.50	0.141	25.85	0.384	7.00
825.5MHz_QPSK_RB 1,#RB L	Pass	6.50	21.62	21.62	0.145	25.97	0.395	7.00
825.5MHz_QPSK_RB 1,#RB M	Pass	6.50	21.59	21.59	0.144	25.94	0.392	7.00
825.5MHz_QPSK_RB 1,#RB H	Pass	6.50	21.58	21.58	0.144	25.93	0.391	7.00
825.5MHz_QPSK_RB 8,#RB L	Pass	6.50	21.63	21.63	0.146	25.98	0.396	7.00
825.5MHz_QPSK_RB 8,#RB M	Pass	6.50	21.66	21.66	0.147	26.01	0.399	7.00
825.5MHz_QPSK_RB 8,#RB H	Pass	6.50	21.64	21.64	0.146	25.99	0.397	7.00
836.5MHz_QPSK_RB 15,#RB 0	Pass	6.50	21.60	21.60	0.145	25.95	0.393	7.00
836.5MHz_QPSK_RB 1,#RB L	Pass	6.50	21.64	21.64	0.146	25.99	0.397	7.00
836.5MHz_QPSK_RB 1,#RB M	Pass	6.50	21.70	21.70	0.148	26.05	0.402	7.00
836.5MHz_QPSK_RB 1,#RB H	Pass	6.50	21.66	21.66	0.147	26.01	0.399	7.00
836.5MHz_QPSK_RB 8,#RB L	Pass	6.50	21.73	21.73	0.149	26.08	0.405	7.00
836.5MHz_QPSK_RB 8,#RB M	Pass	6.50	21.76	21.76	0.150	26.11	0.408	7.00
836.5MHz_QPSK_RB 8,#RB H	Pass	6.50	21.71	21.71	0.148	26.06	0.403	7.00
847.5MHz_QPSK_RB 15,#RB 0	Pass	6.50	21.57	21.57	0.144	25.92	0.390	7.00
847.5MHz_QPSK_RB 1,#RB L	Pass	6.50	21.67	21.67	0.147	26.02	0.399	7.00
847.5MHz_QPSK_RB 1,#RB M	Pass	6.50	21.65	21.65	0.146	26.00	0.398	7.00
847.5MHz_QPSK_RB 1,#RB H	Pass	6.50	21.49	21.49	0.141	25.84	0.383	7.00
847.5MHz_QPSK_RB 8,#RB L	Pass	6.50	21.65	21.65	0.146	26.00	0.398	7.00
847.5MHz_QPSK_RB 8,#RB M	Pass	6.50	21.66	21.66	0.147	26.01	0.399	7.00
847.5MHz_QPSK_RB 8,#RB H	Pass	6.50	21.66	21.66	0.147	26.01	0.399	7.00
825.5MHz_16QAM_RB 15,#RB 0	Pass	6.50	21.44	21.44	0.139	25.79	0.379	7.00
825.5MHz_16QAM_RB 1,#RB L	Pass	6.50	21.86	21.86	0.153	26.21	0.417	7.00
825.5MHz_16QAM_RB 1,#RB M	Pass	6.50	21.91	21.91	0.155	26.26	0.422	7.00
825.5MHz_16QAM_RB 1,#RB H	Pass	6.50	21.89	21.89	0.155	26.24	0.420	7.00
825.5MHz_16QAM_RB 8,#RB L	Pass	6.50	21.46	21.46	0.140	25.81	0.381	7.00
825.5MHz_16QAM_RB 8,#RB M	Pass	6.50	21.50	21.50	0.141	25.85	0.384	7.00
825.5MHz_16QAM_RB 8,#RB H	Pass	6.50	21.51	21.51	0.142	25.86	0.385	7.00
836.5MHz_16QAM_RB 15,#RB 0	Pass	6.50	21.54	21.54	0.143	25.89	0.388	7.00
836.5MHz_16QAM_RB 1,#RB L	Pass	6.50	21.97	21.97	0.157	26.32	0.428	7.00
836.5MHz_16QAM_RB 1,#RB M	Pass	6.50	21.98	21.98	0.158	26.33	0.429	7.00
836.5MHz_16QAM_RB 1,#RB H	Pass	6.50	21.88	21.88	0.154	26.23	0.419	7.00
836.5MHz_16QAM_RB 8,#RB L	Pass	6.50	21.56	21.56	0.143	25.91	0.389	7.00
836.5MHz_16QAM_RB 8,#RB M	Pass	6.50	21.52	21.52	0.142	25.87	0.386	7.00
836.5MHz_16QAM_RB 8,#RB H	Pass	6.50	21.51	21.51	0.142	25.86	0.385	7.00
847.5MHz_16QAM_RB 15,#RB 0	Pass	6.50	21.49	21.49	0.141	25.84	0.383	7.00
847.5MHz_16QAM_RB 1,#RB L	Pass	6.50	21.97	21.97	0.157	26.32	0.428	7.00
847.5MHz_16QAM_RB 1,#RB M	Pass	6.50	21.92	21.92	0.156	26.27	0.423	7.00
847.5MHz_16QAM_RB 1,#RB H	Pass	6.50	21.68	21.68	0.147	26.03	0.400	7.00
847.5MHz_16QAM_RB 8,#RB L	Pass	6.50	21.50	21.50	0.141	25.85	0.384	7.00
847.5MHz_16QAM_RB 8,#RB M	Pass	6.50	21.50	21.50	0.141	25.85	0.384	7.00
847.5MHz_16QAM_RB 8,#RB H	Pass	6.50	21.44	21.44	0.139	25.79	0.379	7.00
825.5MHz_64QAM_RB 15,#RB 0	Pass	6.50	21.35	21.35	0.136	25.70	0.371	7.00
825.5MHz_64QAM_RB 1,#RB L	Pass	6.50	21.72	21.72	0.149	26.07	0.404	7.00
825.5MHz_64QAM_RB 1,#RB M	Pass	6.50	21.69	21.69	0.148	26.04	0.401	7.00
825.5MHz_64QAM_RB 1,#RB H	Pass	6.50	21.77	21.77	0.150	26.12	0.409	7.00
825.5MHz_64QAM_RB 8,#RB L	Pass	6.50	21.40	21.40	0.138	25.75	0.375	7.00
825.5MHz_64QAM_RB 8,#RB M	Pass	6.50	21.28	21.28	0.134	25.63	0.365	7.00
825.5MHz_64QAM_RB 8,#RB H	Pass	6.50	21.47	21.47	0.140	25.82	0.381	7.00
836.5MHz_64QAM_RB 15,#RB 0	Pass	6.50	21.49	21.49	0.141	25.84	0.383	7.00
836.5MHz_64QAM_RB 1,#RB L	Pass	6.50	21.76	21.76	0.150	26.11	0.408	7.00
836.5MHz_64QAM_RB 1,#RB M	Pass	6.50	21.90	21.90	0.155	26.25	0.421	7.00
836.5MHz_64QAM_RB 1,#RB H	Pass	6.50	21.72	21.72	0.149	26.07	0.404	7.00
836.5MHz_64QAM_RB 8,#RB L	Pass	6.50	21.49	21.49	0.141	25.84	0.383	7.00
836.5MHz_64QAM_RB 8,#RB M	Pass	6.50	21.32	21.32	0.136	25.67	0.368	7.00
836.5MHz_64QAM_RB 8,#RB H	Pass	6.50	21.48	21.48	0.141	25.83	0.382	7.00
847.5MHz_64QAM_RB 15,#RB 0	Pass	6.50	21.45	21.45	0.140	25.80	0.380	7.00
847.5MHz_64QAM_RB 1,#RB L	Pass	6.50	21.85	21.85	0.153	26.20	0.416	7.00



## Average Power (Mode 6: LTE Band 5)

## Appendix A.6

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
847.5MHz_64QAM_RB 1,#RB M	Pass	6.50	21.74	21.74	0.149	26.09	0.406	7.00
847.5MHz_64QAM_RB 1,#RB H	Pass	6.50	21.59	21.59	0.144	25.94	0.392	7.00
847.5MHz_64QAM_RB 8,#RB L	Pass	6.50	21.42	21.42	0.139	25.77	0.377	7.00
847.5MHz_64QAM_RB 8,#RB M	Pass	6.50	21.25	21.25	0.133	25.60	0.363	7.00
847.5MHz_64QAM_RB 8,#RB H	Pass	6.50	21.47	21.47	0.140	25.82	0.381	7.00
Band 5_LTE_5MHz_1TX	-	-	-	-	-	-	-	-
826.5MHz_OPSK_RB 25,#RB 0	Pass	6.50	21.71	21.71	0.148	26.06	0.403	7.00
826.5MHz_OPSK_RB 1,#RB L	Pass	6.50	21.66	21.66	0.147	26.01	0.399	7.00
826.5MHz_OPSK_RB 1,#RB M	Pass	6.50	21.69	21.69	0.148	26.04	0.401	7.00
826.5MHz_OPSK_RB 1,#RB H	Pass	6.50	21.59	21.59	0.144	25.94	0.392	7.00
826.5MHz_OPSK_RB 12,#RB L	Pass	6.50	21.67	21.67	0.147	26.02	0.399	7.00
826.5MHz_OPSK_RB 12,#RB M	Pass	6.50	21.70	21.70	0.148	26.05	0.402	7.00
826.5MHz_OPSK_RB 12,#RB H	Pass	6.50	21.68	21.68	0.147	26.03	0.400	7.00
836.5MHz_OPSK_RB 25,#RB 0	Pass	6.50	21.85	21.85	0.153	26.20	0.416	7.00
836.5MHz_OPSK_RB 1,#RB L	Pass	6.50	21.71	21.71	0.148	26.06	0.403	7.00
836.5MHz_OPSK_RB 1,#RB M	Pass	6.50	21.83	21.83	0.152	26.18	0.414	7.00
836.5MHz_OPSK_RB 1,#RB H	Pass	6.50	21.71	21.71	0.148	26.06	0.403	7.00
836.5MHz_OPSK_RB 12,#RB L	Pass	6.50	21.78	21.78	0.151	26.13	0.410	7.00
836.5MHz_OPSK_RB 12,#RB M	Pass	6.50	21.82	21.82	0.152	26.17	0.413	7.00
836.5MHz_OPSK_RB 12,#RB H	Pass	6.50	21.74	21.74	0.149	26.09	0.406	7.00
846.5MHz_OPSK_RB 25,#RB 0	Pass	6.50	21.71	21.71	0.148	26.06	0.403	7.00
846.5MHz_OPSK_RB 1,#RB L	Pass	6.50	21.61	21.61	0.145	25.96	0.394	7.00
846.5MHz_OPSK_RB 1,#RB M	Pass	6.50	21.74	21.74	0.149	26.09	0.406	7.00
846.5MHz_OPSK_RB 1,#RB H	Pass	6.50	21.54	21.54	0.143	25.89	0.388	7.00
846.5MHz_OPSK_RB 12,#RB L	Pass	6.50	21.67	21.67	0.147	26.02	0.399	7.00
846.5MHz_OPSK_RB 12,#RB M	Pass	6.50	21.77	21.77	0.150	26.12	0.409	7.00
846.5MHz_OPSK_RB 12,#RB H	Pass	6.50	21.71	21.71	0.148	26.06	0.403	7.00
826.5MHz_16QAM_RB 25,#RB 0	Pass	6.50	21.44	21.44	0.139	25.79	0.379	7.00
826.5MHz_16QAM_RB 1,#RB L	Pass	6.50	21.99	21.99	0.158	26.34	0.430	7.00
826.5MHz_16QAM_RB 1,#RB M	Pass	6.50	22.02	22.02	0.159	26.37	0.433	7.00
826.5MHz_16QAM_RB 1,#RB H	Pass	6.50	21.92	21.92	0.156	26.27	0.423	7.00
826.5MHz_16QAM_RB 12,#RB L	Pass	6.50	21.45	21.45	0.140	25.80	0.380	7.00
826.5MHz_16QAM_RB 12,#RB M	Pass	6.50	21.49	21.49	0.141	25.84	0.383	7.00
826.5MHz_16QAM_RB 12,#RB H	Pass	6.50	21.45	21.45	0.140	25.80	0.380	7.00
836.5MHz_16QAM_RB 25,#RB 0	Pass	6.50	21.57	21.57	0.144	25.92	0.390	7.00
836.5MHz_16QAM_RB 1,#RB L	Pass	6.50	21.80	21.80	0.151	26.15	0.412	7.00
836.5MHz_16QAM_RB 1,#RB M	Pass	6.50	22.05	22.05	0.160	26.40	0.436	7.00
836.5MHz_16QAM_RB 1,#RB H	Pass	6.50	21.92	21.92	0.156	26.27	0.423	7.00
836.5MHz_16QAM_RB 12,#RB L	Pass	6.50	21.53	21.53	0.142	25.88	0.387	7.00
836.5MHz_16QAM_RB 12,#RB M	Pass	6.50	21.56	21.56	0.143	25.91	0.389	7.00
836.5MHz_16QAM_RB 12,#RB H	Pass	6.50	21.51	21.51	0.142	25.86	0.385	7.00
846.5MHz_16QAM_RB 25,#RB 0	Pass	6.50	21.50	21.50	0.141	25.85	0.384	7.00
846.5MHz_16QAM_RB 1,#RB L	Pass	6.50	21.90	21.90	0.155	26.25	0.421	7.00
846.5MHz_16QAM_RB 1,#RB M	Pass	6.50	22.03	22.03	0.160	26.38	0.434	7.00
846.5MHz_16QAM_RB 1,#RB H	Pass	6.50	21.76	21.76	0.150	26.11	0.408	7.00
846.5MHz_16QAM_RB 12,#RB L	Pass	6.50	21.41	21.41	0.138	25.76	0.376	7.00
846.5MHz_16QAM_RB 12,#RB M	Pass	6.50	21.47	21.47	0.140	25.82	0.381	7.00
846.5MHz_16QAM_RB 12,#RB H	Pass	6.50	21.38	21.38	0.137	25.73	0.374	7.00
826.5MHz_64QAM_RB 25,#RB 0	Pass	6.50	21.46	21.46	0.140	25.81	0.381	7.00
826.5MHz_64QAM_RB 1,#RB L	Pass	6.50	21.81	21.81	0.152	26.16	0.413	7.00
826.5MHz_64QAM_RB 1,#RB M	Pass	6.50	21.84	21.84	0.153	26.19	0.415	7.00
826.5MHz_64QAM_RB 1,#RB H	Pass	6.50	21.79	21.79	0.151	26.14	0.411	7.00
826.5MHz_64QAM_RB 12,#RB L	Pass	6.50	21.40	21.40	0.138	25.75	0.375	7.00
826.5MHz_64QAM_RB 12,#RB M	Pass	6.50	21.46	21.46	0.140	25.81	0.381	7.00
826.5MHz_64QAM_RB 12,#RB H	Pass	6.50	21.20	21.20	0.132	25.55	0.358	7.00
836.5MHz_64QAM_RB 25,#RB 0	Pass	6.50	21.57	21.57	0.144	25.92	0.390	7.00
836.5MHz_64QAM_RB 1,#RB L	Pass	6.50	21.84	21.84	0.153	26.19	0.415	7.00
836.5MHz_64QAM_RB 1,#RB M	Pass	6.50	21.86	21.86	0.153	26.21	0.417	7.00
836.5MHz_64QAM_RB 1,#RB H	Pass	6.50	21.80	21.80	0.151	26.15	0.412	7.00
836.5MHz_64QAM_RB 12,#RB L	Pass	6.50	21.49	21.49	0.141	25.84	0.383	7.00
836.5MHz_64QAM_RB 12,#RB M	Pass	6.50	21.52	21.52	0.142	25.87	0.386	7.00
836.5MHz_64QAM_RB 12,#RB H	Pass	6.50	21.27	21.27	0.134	25.62	0.364	7.00





## Average Power (Mode 6: LTE Band 5)

## Appendix A.6

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
846.5MHz_64QAM_RB 25,#RB 0	Pass	6.50	21.47	21.47	0.140	25.82	0.381	7.00
846.5MHz_64QAM_RB 1,#RB L	Pass	6.50	21.72	21.72	0.149	26.07	0.404	7.00
846.5MHz_64QAM_RB 1,#RB M	Pass	6.50	21.92	21.92	0.156	26.27	0.423	7.00
846.5MHz_64QAM_RB 1,#RB H	Pass	6.50	21.66	21.66	0.147	26.01	0.399	7.00
846.5MHz_64QAM_RB 12,#RB L	Pass	6.50	21.37	21.37	0.137	25.72	0.373	7.00
846.5MHz_64QAM_RB 12,#RB M	Pass	6.50	21.50	21.50	0.141	25.85	0.384	7.00
846.5MHz_64QAM_RB 12,#RB H	Pass	6.50	21.21	21.21	0.132	25.56	0.359	7.00
Band 5_LTE_10MHz_1TX	-	-	-	-	-	-	-	-
829MHz_QPSK_RB 50,#RB 0	Pass	6.50	21.83	21.83	0.152	26.18	0.414	7.00
829MHz_QPSK_RB 1,#RB L	Pass	6.50	21.65	21.65	0.146	26.00	0.398	7.00
829MHz_QPSK_RB 1,#RB M	Pass	6.50	21.74	21.74	0.149	26.09	0.406	7.00
829MHz_QPSK_RB 1,#RB H	Pass	6.50	21.74	21.74	0.149	26.09	0.406	7.00
829MHz_QPSK_RB 25,#RB L	Pass	6.50	21.70	21.70	0.148	26.05	0.402	7.00
829MHz_QPSK_RB 25,#RB M	Pass	6.50	21.90	21.90	0.155	26.25	0.421	7.00
829MHz_QPSK_RB 25,#RB H	Pass	6.50	21.79	21.79	0.151	26.14	0.411	7.00
836.5MHz_QPSK_RB 50,#RB 0	Pass	6.50	21.80	21.80	0.151	26.15	0.412	7.00
836.5MHz_QPSK_RB 1,#RB L	Pass	6.50	21.79	21.79	0.151	26.14	0.411	7.00
836.5MHz_QPSK_RB 1,#RB M	Pass	6.50	21.85	21.85	0.153	26.20	0.416	7.00
836.5MHz_QPSK_RB 1,#RB H	Pass	6.50	21.73	21.73	0.149	26.08	0.405	7.00
836.5MHz_QPSK_RB 25,#RB L	Pass	6.50	21.80	21.80	0.151	26.15	0.412	7.00
836.5MHz_QPSK_RB 25,#RB M	Pass	6.50	21.96	21.96	0.157	26.31	0.427	7.00
836.5MHz_QPSK_RB 25,#RB H	Pass	6.50	21.78	21.78	0.151	26.13	0.410	7.00
844MHz_QPSK_RB 50,#RB 0	Pass	6.50	21.70	21.70	0.148	26.05	0.402	7.00
844MHz_QPSK_RB 1,#RB L	Pass	6.50	21.62	21.62	0.145	25.97	0.395	7.00
844MHz_QPSK_RB 1,#RB M	Pass	6.50	21.79	21.79	0.151	26.14	0.411	7.00
844MHz_QPSK_RB 1,#RB H	Pass	6.50	21.54	21.54	0.143	25.89	0.388	7.00
844MHz_QPSK_RB 25,#RB L	Pass	6.50	21.69	21.69	0.148	26.04	0.401	7.00
844MHz_QPSK_RB 25,#RB M	Pass	6.50	21.77	21.77	0.150	26.12	0.409	7.00
844MHz_QPSK_RB 25,#RB H	Pass	6.50	21.62	21.62	0.145	25.97	0.395	7.00
829MHz_16QAM_RB 50,#RB 0	Pass	6.50	21.60	21.60	0.145	25.95	0.393	7.00
829MHz_16QAM_RB 1,#RB L	Pass	6.50	21.86	21.86	0.153	26.21	0.417	7.00
829MHz_16QAM_RB 1,#RB M	Pass	6.50	22.15	22.15	0.164	26.50	0.446	7.00
829MHz_16QAM_RB 1,#RB H	Pass	6.50	22.01	22.01	0.159	26.36	0.432	7.00
829MHz_16QAM_RB 25,#RB L	Pass	6.50	21.49	21.49	0.141	25.84	0.383	7.00
829MHz_16QAM_RB 25,#RB M	Pass	6.50	21.67	21.67	0.147	26.02	0.399	7.00
829MHz_16QAM_RB 25,#RB H	Pass	6.50	21.56	21.56	0.143	25.91	0.389	7.00
836.5MHz_16QAM_RB 50,#RB 0	Pass	6.50	21.55	21.55	0.143	25.90	0.389	7.00
836.5MHz_16QAM_RB 1,#RB L	Pass	6.50	22.03	22.03	0.160	26.38	0.434	7.00
836.5MHz_16QAM_RB 1,#RB M	Pass	6.50	22.24	22.24	0.167	26.59	0.456	7.00
836.5MHz_16QAM_RB 1,#RB H	Pass	6.50	22.11	22.11	0.163	26.46	0.442	7.00
836.5MHz_16QAM_RB 25,#RB L	Pass	6.50	21.57	21.57	0.144	25.92	0.390	7.00
836.5MHz_16QAM_RB 25,#RB M	Pass	6.50	21.65	21.65	0.146	26.00	0.398	7.00
836.5MHz_16QAM_RB 25,#RB H	Pass	6.50	21.53	21.53	0.142	25.88	0.387	7.00
844MHz_16QAM_RB 50,#RB 0	Pass	6.50	21.48	21.48	0.141	25.83	0.382	7.00
844MHz_16QAM_RB 1,#RB L	Pass	6.50	21.75	21.75	0.150	26.10	0.407	7.00
844MHz_16QAM_RB 1,#RB M	Pass	6.50	22.13	22.13	0.163	26.48	0.444	7.00
844MHz_16QAM_RB 1,#RB H	Pass	6.50	21.81	21.81	0.152	26.16	0.413	7.00
844MHz_16QAM_RB 25,#RB L	Pass	6.50	21.46	21.46	0.140	25.81	0.381	7.00
844MHz_16QAM_RB 25,#RB M	Pass	6.50	21.56	21.56	0.143	25.91	0.389	7.00
844MHz_16QAM_RB 25,#RB H	Pass	6.50	21.39	21.39	0.138	25.74	0.374	7.00
829MHz_64QAM_RB 50,#RB 0	Pass	6.50	21.58	21.58	0.144	25.93	0.391	7.00
829MHz_64QAM_RB 1,#RB L	Pass	6.50	21.90	21.90	0.155	26.25	0.421	7.00
829MHz_64QAM_RB 1,#RB M	Pass	6.50	21.92	21.92	0.156	26.27	0.423	7.00
829MHz_64QAM_RB 1,#RB H	Pass	6.50	21.97	21.97	0.157	26.32	0.428	7.00
829MHz_64QAM_RB 25,#RB L	Pass	6.50	21.45	21.45	0.140	25.80	0.380	7.00
829MHz_64QAM_RB 25,#RB M	Pass	6.50	21.67	21.67	0.147	26.02	0.399	7.00
829MHz_64QAM_RB 25,#RB H	Pass	6.50	21.55	21.55	0.143	25.90	0.389	7.00
836.5MHz_64QAM_RB 50,#RB 0	Pass	6.50	21.49	21.49	0.141	25.84	0.383	7.00
836.5MHz_64QAM_RB 1,#RB L	Pass	6.50	21.95	21.95	0.157	26.30	0.426	7.00
836.5MHz_64QAM_RB 1,#RB M	Pass	6.50	21.94	21.94	0.156	26.29	0.425	7.00
836.5MHz_64QAM_RB 1,#RB H	Pass	6.50	21.85	21.85	0.153	26.20	0.416	7.00
836.5MHz_64QAM_RB 25,#RB L	Pass	6.50	21.56	21.56	0.143	25.91	0.389	7.00



## Average Power (Mode 6: LTE Band 5)

## Appendix A.6

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
836.5MHz_64QAM_RB 25,#RB M	Pass	6.50	21.68	21.68	0.147	26.03	0.400	7.00
836.5MHz_64QAM_RB 25,#RB H	Pass	6.50	21.56	21.56	0.143	25.91	0.389	7.00
844MHz_64QAM_RB 50,#RB 0	Pass	6.50	21.41	21.41	0.138	25.76	0.376	7.00
844MHz_64QAM_RB 1,#RB L	Pass	6.50	21.72	21.72	0.149	26.07	0.404	7.00
844MHz_64QAM_RB 1,#RB M	Pass	6.50	21.98	21.98	0.158	26.33	0.429	7.00
844MHz_64QAM_RB 1,#RB H	Pass	6.50	21.68	21.68	0.147	26.03	0.400	7.00
844MHz_64QAM_RB 25,#RB L	Pass	6.50	21.44	21.44	0.139	25.79	0.379	7.00
844MHz_64QAM_RB 25,#RB M	Pass	6.50	21.46	21.46	0.140	25.81	0.381	7.00
844MHz_64QAM_RB 25,#RB H	Pass	6.50	21.42	21.42	0.139	25.77	0.377	7.00

DG = Directional Gain; Port n = Port n output power



Summary

Mode	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)
Band 7	-	-	-	-
LTE_5MHz_QPSK_1TX	22.74	0.188	30.24	1.057
LTE_5MHz_16QAM_1TX	21.99	0.158	29.49	0.889
LTE_5MHz_64QAM_1TX	21.86	0.153	29.36	0.863
LTE_10MHz_QPSK_1TX	22.76	0.189	30.26	1.062
LTE_10MHz_16QAM_1TX	22.01	0.159	29.51	0.893
LTE_10MHz_64QAM_1TX	21.88	0.154	29.38	0.867
LTE_15MHz_QPSK_1TX	22.73	0.187	30.23	1.054
LTE_15MHz_16QAM_1TX	21.99	0.158	29.49	0.889
LTE_15MHz_64QAM_1TX	21.85	0.153	29.35	0.861
LTE_20MHz_QPSK_1TX	22.77	0.189	30.27	1.064
LTE_20MHz_16QAM_1TX	22.03	0.160	29.53	0.897
LTE_20MHz_64QAM_1TX	21.86	0.153	29.36	0.863

DG = Directional Gain; Port n = Port n output power



## Average Power (Mode 7: LTE Band 7)

## Appendix A.7

### Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
Band 7_LTE_5MHz_OPSK_1TX	-	-	-	-	-	-	-	-
2502.5MHz_RB 25,#RB 0	Pass	7.50	21.71	21.71	0.148	29.21	0.834	2
2502.5MHz_RB 1,#RB L	Pass	7.50	22.59	22.59	0.182	30.09	1.021	2
2502.5MHz_RB 1,#RB M	Pass	7.50	22.74	22.74	0.188	30.24	1.057	2
2502.5MHz_RB 1,#RB H	Pass	7.50	22.64	22.64	0.184	30.14	1.033	2
2502.5MHz_RB 12,#RB L	Pass	7.50	21.64	21.64	0.146	29.14	0.820	2
2502.5MHz_RB 12,#RB M	Pass	7.50	21.69	21.69	0.148	29.19	0.830	2
2502.5MHz_RB 12,#RB H	Pass	7.50	21.69	21.69	0.148	29.19	0.830	2
2535MHz_RB 25,#RB 0	Pass	7.50	21.61	21.61	0.145	29.11	0.815	2
2535MHz_RB 1,#RB L	Pass	7.50	22.60	22.60	0.182	30.10	1.023	2
2535MHz_RB 1,#RB M	Pass	7.50	22.60	22.60	0.182	30.10	1.023	2
2535MHz_RB 1,#RB H	Pass	7.50	22.58	22.58	0.181	30.08	1.019	2
2535MHz_RB 12,#RB L	Pass	7.50	21.63	21.63	0.146	29.13	0.818	2
2535MHz_RB 12,#RB M	Pass	7.50	21.66	21.66	0.147	29.16	0.824	2
2535MHz_RB 12,#RB H	Pass	7.50	21.61	21.61	0.145	29.11	0.815	2
2567.5MHz_RB 25,#RB 0	Pass	7.50	21.70	21.70	0.148	29.20	0.832	2
2567.5MHz_RB 1,#RB L	Pass	7.50	22.59	22.59	0.182	30.09	1.021	2
2567.5MHz_RB 1,#RB M	Pass	7.50	22.69	22.69	0.186	30.19	1.045	2
2567.5MHz_RB 1,#RB H	Pass	7.50	22.58	22.58	0.181	30.08	1.019	2
2567.5MHz_RB 12,#RB L	Pass	7.50	21.71	21.71	0.148	29.21	0.834	2
2567.5MHz_RB 12,#RB M	Pass	7.50	21.73	21.73	0.149	29.23	0.838	2
2567.5MHz_RB 12,#RB H	Pass	7.50	21.70	21.70	0.148	29.20	0.832	2
Band 7_LTE_5MHz_16QAM_1TX	-	-	-	-	-	-	-	-
2502.5MHz_RB 25,#RB 0	Pass	7.50	20.67	20.67	0.117	28.17	0.656	2
2502.5MHz_RB 1,#RB L	Pass	7.50	21.83	21.83	0.152	29.33	0.857	2
2502.5MHz_RB 1,#RB M	Pass	7.50	21.99	21.99	0.158	29.49	0.889	2
2502.5MHz_RB 1,#RB H	Pass	7.50	21.85	21.85	0.153	29.35	0.861	2
2502.5MHz_RB 12,#RB L	Pass	7.50	20.60	20.60	0.115	28.10	0.646	2
2502.5MHz_RB 12,#RB M	Pass	7.50	20.64	20.64	0.116	28.14	0.652	2
2502.5MHz_RB 12,#RB H	Pass	7.50	20.67	20.67	0.117	28.17	0.656	2
2535MHz_RB 25,#RB 0	Pass	7.50	20.63	20.63	0.116	28.13	0.650	2
2535MHz_RB 1,#RB L	Pass	7.50	21.80	21.80	0.151	29.30	0.851	2
2535MHz_RB 1,#RB M	Pass	7.50	21.89	21.89	0.155	29.39	0.869	2
2535MHz_RB 1,#RB H	Pass	7.50	21.86	21.86	0.153	29.36	0.863	2
2535MHz_RB 12,#RB L	Pass	7.50	20.62	20.62	0.115	28.12	0.649	2
2535MHz_RB 12,#RB M	Pass	7.50	20.63	20.63	0.116	28.13	0.650	2
2535MHz_RB 12,#RB H	Pass	7.50	20.62	20.62	0.115	28.12	0.649	2
2567.5MHz_RB 25,#RB 0	Pass	7.50	20.70	20.70	0.117	28.20	0.661	2
2567.5MHz_RB 1,#RB L	Pass	7.50	21.83	21.83	0.152	29.33	0.857	2
2567.5MHz_RB 1,#RB M	Pass	7.50	21.97	21.97	0.157	29.47	0.885	2
2567.5MHz_RB 1,#RB H	Pass	7.50	21.86	21.86	0.153	29.36	0.863	2
2567.5MHz_RB 12,#RB L	Pass	7.50	20.69	20.69	0.117	28.19	0.659	2
2567.5MHz_RB 12,#RB M	Pass	7.50	20.70	20.70	0.117	28.20	0.661	2
2567.5MHz_RB 12,#RB H	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
Band 7_LTE_5MHz_64QAM_1TX	-	-	-	-	-	-	-	-
2502.5MHz_RB 25,#RB 0	Pass	7.50	20.67	20.67	0.117	28.17	0.656	2
2502.5MHz_RB 1,#RB L	Pass	7.50	21.72	21.72	0.149	29.22	0.836	2
2502.5MHz_RB 1,#RB M	Pass	7.50	21.86	21.86	0.153	29.36	0.863	2
2502.5MHz_RB 1,#RB H	Pass	7.50	21.74	21.74	0.149	29.24	0.839	2
2502.5MHz_RB 12,#RB L	Pass	7.50	20.57	20.57	0.114	28.07	0.641	2
2502.5MHz_RB 12,#RB M	Pass	7.50	20.62	20.62	0.115	28.12	0.649	2
2502.5MHz_RB 12,#RB H	Pass	7.50	20.61	20.61	0.115	28.11	0.647	2
2535MHz_RB 25,#RB 0	Pass	7.50	20.60	20.60	0.115	28.10	0.646	2
2535MHz_RB 1,#RB L	Pass	7.50	21.66	21.66	0.147	29.16	0.824	2
2535MHz_RB 1,#RB M	Pass	7.50	21.75	21.75	0.150	29.25	0.841	2
2535MHz_RB 1,#RB H	Pass	7.50	21.72	21.72	0.149	29.22	0.836	2
2535MHz_RB 12,#RB L	Pass	7.50	20.55	20.55	0.114	28.05	0.638	2
2535MHz_RB 12,#RB M	Pass	7.50	20.60	20.60	0.115	28.10	0.646	2
2535MHz_RB 12,#RB H	Pass	7.50	20.62	20.62	0.115	28.12	0.649	2
2567.5MHz_RB 25,#RB 0	Pass	7.50	20.70	20.70	0.117	28.20	0.661	2
2567.5MHz_RB 1,#RB L	Pass	7.50	21.70	21.70	0.148	29.20	0.832	2



## Average Power (Mode 7: LTE Band 7)

## Appendix A.7

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
2567.5MHz_RB 1,#RB M	Pass	7.50	21.85	21.85	0.153	29.35	0.861	2
2567.5MHz_RB 1,#RB H	Pass	7.50	21.73	21.73	0.149	29.23	0.838	2
2567.5MHz_RB 12,#RB L	Pass	7.50	20.66	20.66	0.116	28.16	0.655	2
2567.5MHz_RB 12,#RB M	Pass	7.50	20.64	20.64	0.116	28.14	0.652	2
2567.5MHz_RB 12,#RB H	Pass	7.50	20.66	20.66	0.116	28.16	0.655	2
Band 7_LTE_10MHz_QPSK_1TX	-	-	-	-	-	-	-	-
2505MHz_RB 50,#RB 0	Pass	7.50	21.71	21.71	0.148	29.21	0.834	2
2505MHz_RB 1,#RB L	Pass	7.50	22.70	22.70	0.186	30.20	1.047	2
2505MHz_RB 1,#RB M	Pass	7.50	22.69	22.69	0.186	30.19	1.045	2
2505MHz_RB 1,#RB H	Pass	7.50	22.73	22.73	0.187	30.23	1.054	2
2505MHz_RB 25,#RB L	Pass	7.50	21.69	21.69	0.148	29.19	0.830	2
2505MHz_RB 25,#RB M	Pass	7.50	21.73	21.73	0.149	29.23	0.838	2
2505MHz_RB 25,#RB H	Pass	7.50	21.74	21.74	0.149	29.24	0.839	2
2535MHz_RB 50,#RB 0	Pass	7.50	21.70	21.70	0.148	29.20	0.832	2
2535MHz_RB 1,#RB L	Pass	7.50	22.58	22.58	0.181	30.08	1.019	2
2535MHz_RB 1,#RB M	Pass	7.50	22.65	22.65	0.184	30.15	1.035	2
2535MHz_RB 1,#RB H	Pass	7.50	22.76	22.76	0.189	30.26	1.062	2
2535MHz_RB 25,#RB L	Pass	7.50	21.71	21.71	0.148	29.21	0.834	2
2535MHz_RB 25,#RB M	Pass	7.50	21.75	21.75	0.150	29.25	0.841	2
2535MHz_RB 25,#RB H	Pass	7.50	21.70	21.70	0.148	29.20	0.832	2
2565MHz_RB 50,#RB 0	Pass	7.50	21.74	21.74	0.149	29.24	0.839	2
2565MHz_RB 1,#RB L	Pass	7.50	22.74	22.74	0.188	30.24	1.057	2
2565MHz_RB 1,#RB M	Pass	7.50	22.69	22.69	0.186	30.19	1.045	2
2565MHz_RB 1,#RB H	Pass	7.50	22.64	22.64	0.184	30.14	1.033	2
2565MHz_RB 25,#RB L	Pass	7.50	21.72	21.72	0.149	29.22	0.836	2
2565MHz_RB 25,#RB M	Pass	7.50	21.76	21.76	0.150	29.26	0.843	2
2565MHz_RB 25,#RB H	Pass	7.50	21.75	21.75	0.150	29.25	0.841	2
Band 7_LTE_10MHz_16QAM_1TX	-	-	-	-	-	-	-	-
2505MHz_RB 50,#RB 0	Pass	7.50	20.67	20.67	0.117	28.17	0.656	2
2505MHz_RB 1,#RB L	Pass	7.50	21.89	21.89	0.155	29.39	0.869	2
2505MHz_RB 1,#RB M	Pass	7.50	21.95	21.95	0.157	29.45	0.881	2
2505MHz_RB 1,#RB H	Pass	7.50	21.99	21.99	0.158	29.49	0.889	2
2505MHz_RB 25,#RB L	Pass	7.50	20.69	20.69	0.117	28.19	0.659	2
2505MHz_RB 25,#RB M	Pass	7.50	20.73	20.73	0.118	28.23	0.665	2
2505MHz_RB 25,#RB H	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
2535MHz_RB 50,#RB 0	Pass	7.50	20.66	20.66	0.116	28.16	0.655	2
2535MHz_RB 1,#RB L	Pass	7.50	21.78	21.78	0.151	29.28	0.847	2
2535MHz_RB 1,#RB M	Pass	7.50	21.99	21.99	0.158	29.49	0.889	2
2535MHz_RB 1,#RB H	Pass	7.50	21.99	21.99	0.158	29.49	0.889	2
2535MHz_RB 25,#RB L	Pass	7.50	20.64	20.64	0.116	28.14	0.652	2
2535MHz_RB 25,#RB M	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
2535MHz_RB 25,#RB H	Pass	7.50	20.74	20.74	0.119	28.24	0.667	2
2565MHz_RB 50,#RB 0	Pass	7.50	20.74	20.74	0.119	28.24	0.667	2
2565MHz_RB 1,#RB L	Pass	7.50	21.97	21.97	0.157	29.47	0.885	2
2565MHz_RB 1,#RB M	Pass	7.50	22.01	22.01	0.159	29.51	0.893	2
2565MHz_RB 1,#RB H	Pass	7.50	21.88	21.88	0.154	29.38	0.867	2
2565MHz_RB 25,#RB L	Pass	7.50	20.73	20.73	0.118	28.23	0.665	2
2565MHz_RB 25,#RB M	Pass	7.50	20.78	20.78	0.120	28.28	0.673	2
2565MHz_RB 25,#RB H	Pass	7.50	20.79	20.79	0.120	28.29	0.675	2
Band 7_LTE_10MHz_64QAM_1TX	-	-	-	-	-	-	-	-
2505MHz_RB 50,#RB 0	Pass	7.50	20.70	20.70	0.117	28.20	0.661	2
2505MHz_RB 1,#RB L	Pass	7.50	21.78	21.78	0.151	29.28	0.847	2
2505MHz_RB 1,#RB M	Pass	7.50	21.80	21.80	0.151	29.30	0.851	2
2505MHz_RB 1,#RB H	Pass	7.50	21.81	21.81	0.152	29.31	0.853	2
2505MHz_RB 25,#RB L	Pass	7.50	20.68	20.68	0.117	28.18	0.658	2
2505MHz_RB 25,#RB M	Pass	7.50	20.70	20.70	0.117	28.20	0.661	2
2505MHz_RB 25,#RB H	Pass	7.50	20.73	20.73	0.118	28.23	0.665	2
2535MHz_RB 50,#RB 0	Pass	7.50	20.66	20.66	0.116	28.16	0.655	2
2535MHz_RB 1,#RB L	Pass	7.50	21.69	21.69	0.148	29.19	0.830	2
2535MHz_RB 1,#RB M	Pass	7.50	21.84	21.84	0.153	29.34	0.859	2
2535MHz_RB 1,#RB H	Pass	7.50	21.82	21.82	0.152	29.32	0.855	2
2535MHz_RB 25,#RB L	Pass	7.50	20.64	20.64	0.116	28.14	0.652	2



**Average Power (Mode 7: LTE Band 7)**

**Appendix A.7**

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
2535MHz_RB 25,#RB M	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
2535MHz_RB 25,#RB H	Pass	7.50	20.74	20.74	0.119	28.24	0.667	2
2565MHz_RB 50,#RB O	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
2565MHz_RB 1,#RB L	Pass	7.50	21.81	21.81	0.152	29.31	0.853	2
2565MHz_RB 1,#RB M	Pass	7.50	21.88	21.88	0.154	29.38	0.867	2
2565MHz_RB 1,#RB H	Pass	7.50	21.78	21.78	0.151	29.28	0.847	2
2565MHz_RB 25,#RB L	Pass	7.50	20.72	20.72	0.118	28.22	0.664	2
2565MHz_RB 25,#RB M	Pass	7.50	20.78	20.78	0.120	28.28	0.673	2
2565MHz_RB 25,#RB H	Pass	7.50	20.72	20.72	0.118	28.22	0.664	2
Band 7_LTE_15MHz_QPSK_1TX	-	-	-	-	-	-	-	-
2507.5MHz_RB 75,#RB O	Pass	7.50	21.77	21.77	0.150	29.27	0.845	2
2507.5MHz_RB 1,#RB L	Pass	7.50	22.69	22.69	0.186	30.19	1.045	2
2507.5MHz_RB 1,#RB M	Pass	7.50	22.67	22.67	0.185	30.17	1.040	2
2507.5MHz_RB 1,#RB H	Pass	7.50	22.70	22.70	0.186	30.20	1.047	2
2507.5MHz_RB 36,#RB L	Pass	7.50	21.74	21.74	0.149	29.24	0.839	2
2507.5MHz_RB 36,#RB M	Pass	7.50	21.76	21.76	0.150	29.26	0.843	2
2507.5MHz_RB 36,#RB H	Pass	7.50	21.72	21.72	0.149	29.22	0.836	2
2535MHz_RB 75,#RB O	Pass	7.50	21.71	21.71	0.148	29.21	0.834	2
2535MHz_RB 1,#RB L	Pass	7.50	22.58	22.58	0.181	30.08	1.019	2
2535MHz_RB 1,#RB M	Pass	7.50	22.58	22.58	0.181	30.08	1.019	2
2535MHz_RB 1,#RB H	Pass	7.50	22.73	22.73	0.187	30.23	1.054	2
2535MHz_RB 36,#RB L	Pass	7.50	21.70	21.70	0.148	29.20	0.832	2
2535MHz_RB 36,#RB M	Pass	7.50	21.70	21.70	0.148	29.20	0.832	2
2535MHz_RB 36,#RB H	Pass	7.50	21.76	21.76	0.150	29.26	0.843	2
2562.5MHz_RB 75,#RB O	Pass	7.50	21.79	21.79	0.151	29.29	0.849	2
2562.5MHz_RB 1,#RB L	Pass	7.50	22.68	22.68	0.185	30.18	1.042	2
2562.5MHz_RB 1,#RB M	Pass	7.50	22.65	22.65	0.184	30.15	1.035	2
2562.5MHz_RB 1,#RB H	Pass	7.50	22.63	22.63	0.183	30.13	1.030	2
2562.5MHz_RB 36,#RB L	Pass	7.50	21.74	21.74	0.149	29.24	0.839	2
2562.5MHz_RB 36,#RB M	Pass	7.50	21.77	21.77	0.150	29.27	0.845	2
2562.5MHz_RB 36,#RB H	Pass	7.50	21.77	21.77	0.150	29.27	0.845	2
Band 7_LTE_15MHz_16QAM_1TX	-	-	-	-	-	-	-	-
2507.5MHz_RB 75,#RB O	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
2507.5MHz_RB 1,#RB L	Pass	7.50	21.84	21.84	0.153	29.34	0.859	2
2507.5MHz_RB 1,#RB M	Pass	7.50	21.90	21.90	0.155	29.40	0.871	2
2507.5MHz_RB 1,#RB H	Pass	7.50	21.99	21.99	0.158	29.49	0.889	2
2507.5MHz_RB 36,#RB L	Pass	7.50	20.68	20.68	0.117	28.18	0.658	2
2507.5MHz_RB 36,#RB M	Pass	7.50	20.75	20.75	0.119	28.25	0.668	2
2507.5MHz_RB 36,#RB H	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
2535MHz_RB 75,#RB O	Pass	7.50	20.68	20.68	0.117	28.18	0.658	2
2535MHz_RB 1,#RB L	Pass	7.50	21.80	21.80	0.151	29.30	0.851	2
2535MHz_RB 1,#RB M	Pass	7.50	21.86	21.86	0.153	29.36	0.863	2
2535MHz_RB 1,#RB H	Pass	7.50	21.99	21.99	0.158	29.49	0.889	2
2535MHz_RB 36,#RB L	Pass	7.50	20.62	20.62	0.115	28.12	0.649	2
2535MHz_RB 36,#RB M	Pass	7.50	20.70	20.70	0.117	28.20	0.661	2
2535MHz_RB 36,#RB H	Pass	7.50	20.76	20.76	0.119	28.26	0.670	2
2562.5MHz_RB 75,#RB O	Pass	7.50	20.79	20.79	0.120	28.29	0.675	2
2562.5MHz_RB 1,#RB L	Pass	7.50	21.79	21.79	0.151	29.29	0.849	2
2562.5MHz_RB 1,#RB M	Pass	7.50	21.83	21.83	0.152	29.33	0.857	2
2562.5MHz_RB 1,#RB H	Pass	7.50	21.97	21.97	0.157	29.47	0.885	2
2562.5MHz_RB 36,#RB L	Pass	7.50	20.70	20.70	0.117	28.20	0.661	2
2562.5MHz_RB 36,#RB M	Pass	7.50	20.75	20.75	0.119	28.25	0.668	2
2562.5MHz_RB 36,#RB H	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
Band 7_LTE_15MHz_64QAM_1TX	-	-	-	-	-	-	-	-
2507.5MHz_RB 75,#RB O	Pass	7.50	20.73	20.73	0.118	28.23	0.665	2
2507.5MHz_RB 1,#RB L	Pass	7.50	21.84	21.84	0.153	29.34	0.859	2
2507.5MHz_RB 1,#RB M	Pass	7.50	21.84	21.84	0.153	29.34	0.859	2
2507.5MHz_RB 1,#RB H	Pass	7.50	21.82	21.82	0.152	29.32	0.855	2
2507.5MHz_RB 36,#RB L	Pass	7.50	20.67	20.67	0.117	28.17	0.656	2
2507.5MHz_RB 36,#RB M	Pass	7.50	20.73	20.73	0.118	28.23	0.665	2
2507.5MHz_RB 36,#RB H	Pass	7.50	20.72	20.72	0.118	28.22	0.664	2
2535MHz_RB 75,#RB O	Pass	7.50	20.70	20.70	0.117	28.20	0.661	2

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
2535MHz_RB 1,#RB L	Pass	7.50	21.69	21.69	0.148	29.19	0.830	2
2535MHz_RB 1,#RB M	Pass	7.50	21.72	21.72	0.149	29.22	0.836	2
2535MHz_RB 1,#RB H	Pass	7.50	21.84	21.84	0.153	29.34	0.859	2
2535MHz_RB 36,#RB L	Pass	7.50	20.61	20.61	0.115	28.11	0.647	2
2535MHz_RB 36,#RB M	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
2535MHz_RB 36,#RB H	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
2562.5MHz_RB 75,#RB 0	Pass	7.50	20.78	20.78	0.120	28.28	0.673	2
2562.5MHz_RB 1,#RB L	Pass	7.50	21.81	21.81	0.152	29.31	0.853	2
2562.5MHz_RB 1,#RB M	Pass	7.50	21.85	21.85	0.153	29.35	0.861	2
2562.5MHz_RB 1,#RB H	Pass	7.50	21.85	21.85	0.153	29.35	0.861	2
2562.5MHz_RB 36,#RB L	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2
2562.5MHz_RB 36,#RB M	Pass	7.50	20.75	20.75	0.119	28.25	0.668	2
2562.5MHz_RB 36,#RB H	Pass	7.50	20.69	20.69	0.117	28.19	0.659	2
Band 7_LTE_20MHz_OPSK_1TX	-	-	-	-	-	-	-	-
2510MHz_RB 100,#RB 0	Pass	7.50	21.64	21.64	0.146	29.14	0.820	2
2510MHz_RB 1,#RB L	Pass	7.50	22.54	22.54	0.179	30.04	1.009	2
2510MHz_RB 1,#RB M	Pass	7.50	22.53	22.53	0.179	30.03	1.007	2
2510MHz_RB 1,#RB H	Pass	7.50	22.63	22.63	0.183	30.13	1.030	2
2510MHz_RB 50,#RB L	Pass	7.50	21.61	21.61	0.145	29.11	0.815	2
2510MHz_RB 50,#RB M	Pass	7.50	21.66	21.66	0.147	29.16	0.824	2
2510MHz_RB 50,#RB H	Pass	7.50	21.64	21.64	0.146	29.14	0.820	2
2535MHz_RB 100,#RB 0	Pass	7.50	21.71	21.71	0.148	29.21	0.834	2
2535MHz_RB 1,#RB L	Pass	7.50	22.53	22.53	0.179	30.03	1.007	2
2535MHz_RB 1,#RB M	Pass	7.50	22.68	22.68	0.185	30.18	1.042	2
2535MHz_RB 1,#RB H	Pass	7.50	22.77	22.77	0.189	30.27	1.064	2
2535MHz_RB 50,#RB L	Pass	7.50	21.66	21.66	0.147	29.16	0.824	2
2535MHz_RB 50,#RB M	Pass	7.50	21.73	21.73	0.149	29.23	0.838	2
2535MHz_RB 50,#RB H	Pass	7.50	21.77	21.77	0.150	29.27	0.845	2
2560MHz_RB 100,#RB 0	Pass	7.50	21.79	21.79	0.151	29.29	0.849	2
2560MHz_RB 1,#RB L	Pass	7.50	22.72	22.72	0.187	30.22	1.052	2
2560MHz_RB 1,#RB M	Pass	7.50	22.72	22.72	0.187	30.22	1.052	2
2560MHz_RB 1,#RB H	Pass	7.50	22.66	22.66	0.185	30.16	1.038	2
2560MHz_RB 50,#RB L	Pass	7.50	21.76	21.76	0.150	29.26	0.843	2
2560MHz_RB 50,#RB M	Pass	7.50	21.78	21.78	0.151	29.28	0.847	2
2560MHz_RB 50,#RB H	Pass	7.50	21.77	21.77	0.150	29.27	0.845	2
Band 7_LTE_20MHz_16QAM_1TX	-	-	-	-	-	-	-	-
2510MHz_RB 100,#RB 0	Pass	7.50	20.59	20.59	0.115	28.09	0.644	2
2510MHz_RB 1,#RB L	Pass	7.50	21.80	21.80	0.151	29.30	0.851	2
2510MHz_RB 1,#RB M	Pass	7.50	21.77	21.77	0.150	29.27	0.845	2
2510MHz_RB 1,#RB H	Pass	7.50	21.75	21.75	0.150	29.25	0.841	2
2510MHz_RB 50,#RB L	Pass	7.50	20.57	20.57	0.114	28.07	0.641	2
2510MHz_RB 50,#RB M	Pass	7.50	20.62	20.62	0.115	28.12	0.649	2
2510MHz_RB 50,#RB H	Pass	7.50	20.60	20.60	0.115	28.10	0.646	2
2535MHz_RB 100,#RB 0	Pass	7.50	20.66	20.66	0.116	28.16	0.655	2
2535MHz_RB 1,#RB L	Pass	7.50	21.75	21.75	0.150	29.25	0.841	2
2535MHz_RB 1,#RB M	Pass	7.50	21.84	21.84	0.153	29.34	0.859	2
2535MHz_RB 1,#RB H	Pass	7.50	22.03	22.03	0.160	29.53	0.897	2
2535MHz_RB 50,#RB L	Pass	7.50	20.68	20.68	0.117	28.18	0.658	2
2535MHz_RB 50,#RB M	Pass	7.50	20.70	20.70	0.117	28.20	0.661	2
2535MHz_RB 50,#RB H	Pass	7.50	20.75	20.75	0.119	28.25	0.668	2
2560MHz_RB 100,#RB 0	Pass	7.50	20.76	20.76	0.119	28.26	0.670	2
2560MHz_RB 1,#RB L	Pass	7.50	21.92	21.92	0.156	29.42	0.875	2
2560MHz_RB 1,#RB M	Pass	7.50	21.96	21.96	0.157	29.46	0.883	2
2560MHz_RB 1,#RB H	Pass	7.50	21.88	21.88	0.154	29.38	0.867	2
2560MHz_RB 50,#RB L	Pass	7.50	20.75	20.75	0.119	28.25	0.668	2
2560MHz_RB 50,#RB M	Pass	7.50	20.79	20.79	0.120	28.29	0.675	2
2560MHz_RB 50,#RB H	Pass	7.50	20.75	20.75	0.119	28.25	0.668	2
Band 7_LTE_20MHz_64QAM_1TX	-	-	-	-	-	-	-	-
2510MHz_RB 100,#RB 0	Pass	7.50	20.60	20.60	0.115	28.10	0.646	2
2510MHz_RB 1,#RB L	Pass	7.50	21.60	21.60	0.145	29.10	0.813	2
2510MHz_RB 1,#RB M	Pass	7.50	21.63	21.63	0.146	29.13	0.818	2
2510MHz_RB 1,#RB H	Pass	7.50	21.71	21.71	0.148	29.21	0.834	2



**Average Power (Mode 7: LTE Band 7)**

**Appendix A.7**

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
2510MHz_RB 50,#RB L	Pass	7.50	20.58	20.58	0.114	28.08	0.643	2
2510MHz_RB 50,#RB M	Pass	7.50	20.60	20.60	0.115	28.10	0.646	2
2510MHz_RB 50,#RB H	Pass	7.50	20.61	20.61	0.115	28.11	0.647	2
2535MHz_RB 100,#RB 0	Pass	7.50	20.68	20.68	0.117	28.18	0.658	2
2535MHz_RB 1,#RB L	Pass	7.50	21.67	21.67	0.147	29.17	0.826	2
2535MHz_RB 1,#RB M	Pass	7.50	21.77	21.77	0.150	29.27	0.845	2
2535MHz_RB 1,#RB H	Pass	7.50	21.86	21.86	0.153	29.36	0.863	2
2535MHz_RB 50,#RB L	Pass	7.50	20.66	20.66	0.116	28.16	0.655	2
2535MHz_RB 50,#RB M	Pass	7.50	20.69	20.69	0.117	28.19	0.659	2
2535MHz_RB 50,#RB H	Pass	7.50	20.73	20.73	0.118	28.23	0.665	2
2560MHz_RB 100,#RB 0	Pass	7.50	20.77	20.77	0.119	28.27	0.671	2
2560MHz_RB 1,#RB L	Pass	7.50	21.78	21.78	0.151	29.28	0.847	2
2560MHz_RB 1,#RB M	Pass	7.50	21.81	21.81	0.152	29.31	0.853	2
2560MHz_RB 1,#RB H	Pass	7.50	21.77	21.77	0.150	29.27	0.845	2
2560MHz_RB 50,#RB L	Pass	7.50	20.74	20.74	0.119	28.24	0.667	2
2560MHz_RB 50,#RB M	Pass	7.50	20.75	20.75	0.119	28.25	0.668	2
2560MHz_RB 50,#RB H	Pass	7.50	20.71	20.71	0.118	28.21	0.662	2

DG = Directional Gain; Port n = Port n output power





Summary

Mode	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)
Band 12	-	-	-	-
LTE_1.4MHz_1TX	21.83	0.152	26.18	0.414
LTE_1.4MHz_1TX	21.97	0.157	26.32	0.428
LTE_1.4MHz_1TX	21.89	0.155	26.24	0.420
LTE_3MHz_1TX	21.87	0.154	26.22	0.418
LTE_3MHz_1TX	22.02	0.159	26.37	0.433
LTE_3MHz_1TX	21.97	0.157	26.32	0.428
LTE_5MHz_1TX	21.91	0.155	26.26	0.422
LTE_5MHz_1TX	22.10	0.162	26.45	0.441
LTE_5MHz_1TX	21.98	0.158	26.33	0.429
LTE_10MHz_1TX	21.92	0.156	26.27	0.423
LTE_10MHz_1TX	22.24	0.167	26.59	0.456
LTE_10MHz_1TX	22.06	0.161	26.41	0.437

DG = Directional Gain; Port n = Port n output power



## Average Power (Mode 8: LTE Band 12)

## Appendix A.8

### Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
Band 12_LTE_1.4MHz_1TX	-	-	-	-	-	-	-	-
699.7MHz_OPSK_RB 6,#RB 0	Pass	6.50	21.77	21.77	0.150	26.12	0.409	3
699.7MHz_OPSK_RB 1,#RB L	Pass	6.50	21.69	21.69	0.148	26.04	0.401	3
699.7MHz_OPSK_RB 1,#RB M	Pass	6.50	21.78	21.78	0.151	26.13	0.410	3
699.7MHz_OPSK_RB 1,#RB H	Pass	6.50	21.69	21.69	0.148	26.04	0.401	3
699.7MHz_OPSK_RB 3,#RB L	Pass	6.50	21.74	21.74	0.149	26.09	0.406	3
699.7MHz_OPSK_RB 3,#RB M	Pass	6.50	21.78	21.78	0.151	26.13	0.410	3
699.7MHz_OPSK_RB 3,#RB H	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
707.5MHz_OPSK_RB 6,#RB 0	Pass	6.50	21.83	21.83	0.152	26.18	0.414	3
707.5MHz_OPSK_RB 1,#RB L	Pass	6.50	21.77	21.77	0.150	26.12	0.409	3
707.5MHz_OPSK_RB 1,#RB M	Pass	6.50	21.83	21.83	0.152	26.18	0.414	3
707.5MHz_OPSK_RB 1,#RB H	Pass	6.50	21.74	21.74	0.149	26.09	0.406	3
707.5MHz_OPSK_RB 3,#RB L	Pass	6.50	21.76	21.76	0.150	26.11	0.408	3
707.5MHz_OPSK_RB 3,#RB M	Pass	6.50	21.82	21.82	0.152	26.17	0.413	3
707.5MHz_OPSK_RB 3,#RB H	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
715.3MHz_OPSK_RB 6,#RB 0	Pass	6.50	21.67	21.67	0.147	26.02	0.399	3
715.3MHz_OPSK_RB 1,#RB L	Pass	6.50	21.59	21.59	0.144	25.94	0.392	3
715.3MHz_OPSK_RB 1,#RB M	Pass	6.50	21.68	21.68	0.147	26.03	0.400	3
715.3MHz_OPSK_RB 1,#RB H	Pass	6.50	21.57	21.57	0.144	25.92	0.390	3
715.3MHz_OPSK_RB 3,#RB L	Pass	6.50	21.61	21.61	0.145	25.96	0.394	3
715.3MHz_OPSK_RB 3,#RB M	Pass	6.50	21.66	21.66	0.147	26.01	0.399	3
715.3MHz_OPSK_RB 3,#RB H	Pass	6.50	21.59	21.59	0.144	25.94	0.392	3
699.7MHz_16QAM_RB 6,#RB 0	Pass	6.50	21.59	21.59	0.144	25.94	0.392	3
699.7MHz_16QAM_RB 1,#RB L	Pass	6.50	21.97	21.97	0.157	26.32	0.428	3
699.7MHz_16QAM_RB 1,#RB M	Pass	6.50	21.80	21.80	0.151	26.15	0.412	3
699.7MHz_16QAM_RB 1,#RB H	Pass	6.50	21.91	21.91	0.155	26.26	0.422	3
699.7MHz_16QAM_RB 3,#RB L	Pass	6.50	21.73	21.73	0.149	26.08	0.405	3
699.7MHz_16QAM_RB 3,#RB M	Pass	6.50	21.72	21.72	0.149	26.07	0.404	3
699.7MHz_16QAM_RB 3,#RB H	Pass	6.50	21.71	21.71	0.148	26.06	0.403	3
707.5MHz_16QAM_RB 6,#RB 0	Pass	6.50	21.63	21.63	0.146	25.98	0.396	3
707.5MHz_16QAM_RB 1,#RB L	Pass	6.50	21.94	21.94	0.156	26.29	0.425	3
707.5MHz_16QAM_RB 1,#RB M	Pass	6.50	21.83	21.83	0.152	26.18	0.414	3
707.5MHz_16QAM_RB 1,#RB H	Pass	6.50	21.95	21.95	0.157	26.30	0.426	3
707.5MHz_16QAM_RB 3,#RB L	Pass	6.50	21.72	21.72	0.149	26.07	0.404	3
707.5MHz_16QAM_RB 3,#RB M	Pass	6.50	21.79	21.79	0.151	26.14	0.411	3
707.5MHz_16QAM_RB 3,#RB H	Pass	6.50	21.71	21.71	0.148	26.06	0.403	3
715.3MHz_16QAM_RB 6,#RB 0	Pass	6.50	21.51	21.51	0.142	25.86	0.385	3
715.3MHz_16QAM_RB 1,#RB L	Pass	6.50	21.78	21.78	0.151	26.13	0.410	3
715.3MHz_16QAM_RB 1,#RB M	Pass	6.50	21.89	21.89	0.155	26.24	0.420	3
715.3MHz_16QAM_RB 1,#RB H	Pass	6.50	21.74	21.74	0.149	26.09	0.406	3
715.3MHz_16QAM_RB 3,#RB L	Pass	6.50	21.61	21.61	0.145	25.96	0.394	3
715.3MHz_16QAM_RB 3,#RB M	Pass	6.50	21.61	21.61	0.145	25.96	0.394	3
715.3MHz_16QAM_RB 3,#RB H	Pass	6.50	21.58	21.58	0.144	25.93	0.391	3
699.7MHz_64QAM_RB 6,#RB 0	Pass	6.50	21.53	21.53	0.142	25.88	0.387	3
699.7MHz_64QAM_RB 1,#RB L	Pass	6.50	21.85	21.85	0.153	26.20	0.416	3
699.7MHz_64QAM_RB 1,#RB M	Pass	6.50	21.87	21.87	0.154	26.22	0.418	3
699.7MHz_64QAM_RB 1,#RB H	Pass	6.50	21.82	21.82	0.152	26.17	0.413	3
699.7MHz_64QAM_RB 3,#RB L	Pass	6.50	21.77	21.77	0.150	26.12	0.409	3
699.7MHz_64QAM_RB 3,#RB M	Pass	6.50	21.77	21.77	0.150	26.12	0.409	3
699.7MHz_64QAM_RB 3,#RB H	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
707.5MHz_64QAM_RB 6,#RB 0	Pass	6.50	21.58	21.58	0.144	25.93	0.391	3
707.5MHz_64QAM_RB 1,#RB L	Pass	6.50	21.89	21.89	0.155	26.24	0.420	3
707.5MHz_64QAM_RB 1,#RB M	Pass	6.50	21.89	21.89	0.155	26.24	0.420	3
707.5MHz_64QAM_RB 1,#RB H	Pass	6.50	21.81	21.81	0.152	26.16	0.413	3
707.5MHz_64QAM_RB 3,#RB L	Pass	6.50	21.77	21.77	0.150	26.12	0.409	3
707.5MHz_64QAM_RB 3,#RB M	Pass	6.50	21.84	21.84	0.153	26.19	0.415	3
707.5MHz_64QAM_RB 3,#RB H	Pass	6.50	21.78	21.78	0.151	26.13	0.410	3
715.3MHz_64QAM_RB 6,#RB 0	Pass	6.50	21.62	21.62	0.145	25.97	0.395	3
715.3MHz_64QAM_RB 1,#RB L	Pass	6.50	21.68	21.68	0.147	26.03	0.400	3
715.3MHz_64QAM_RB 1,#RB M	Pass	6.50	21.80	21.80	0.151	26.15	0.412	3
715.3MHz_64QAM_RB 1,#RB H	Pass	6.50	21.65	21.65	0.146	26.00	0.398	3



## Average Power (Mode 8: LTE Band 12)

## Appendix A.8

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
715.3MHz_64QAM_RB 3,#RB L	Pass	6.50	21.63	21.63	0.146	25.98	0.396	3
715.3MHz_64QAM_RB 3,#RB M	Pass	6.50	21.64	21.64	0.146	25.99	0.397	3
715.3MHz_64QAM_RB 3,#RB H	Pass	6.50	21.50	21.50	0.141	25.85	0.384	3
Band 12_LTE_3MHz_1TX	-	-	-	-	-	-	-	-
700.5MHz_OPSK_RB 15,#RB 0	Pass	6.50	21.68	21.68	0.147	26.03	0.400	3
700.5MHz_OPSK_RB 1,#RB L	Pass	6.50	21.59	21.59	0.144	25.94	0.392	3
700.5MHz_OPSK_RB 1,#RB M	Pass	6.50	21.61	21.61	0.145	25.96	0.394	3
700.5MHz_OPSK_RB 1,#RB H	Pass	6.50	21.57	21.57	0.144	25.92	0.390	3
700.5MHz_OPSK_RB 8,#RB L	Pass	6.50	21.65	21.65	0.146	26.00	0.398	3
700.5MHz_OPSK_RB 8,#RB M	Pass	6.50	21.66	21.66	0.147	26.01	0.399	3
700.5MHz_OPSK_RB 8,#RB H	Pass	6.50	21.64	21.64	0.146	25.99	0.397	3
707.5MHz_OPSK_RB 15,#RB 0	Pass	6.50	21.87	21.87	0.154	26.22	0.418	3
707.5MHz_OPSK_RB 1,#RB L	Pass	6.50	21.65	21.65	0.146	26.00	0.398	3
707.5MHz_OPSK_RB 1,#RB M	Pass	6.50	21.80	21.80	0.151	26.15	0.412	3
707.5MHz_OPSK_RB 1,#RB H	Pass	6.50	21.60	21.60	0.145	25.95	0.393	3
707.5MHz_OPSK_RB 8,#RB L	Pass	6.50	21.70	21.70	0.148	26.05	0.402	3
707.5MHz_OPSK_RB 8,#RB M	Pass	6.50	21.71	21.71	0.148	26.06	0.403	3
707.5MHz_OPSK_RB 8,#RB H	Pass	6.50	21.80	21.80	0.151	26.15	0.412	3
714.5MHz_OPSK_RB 15,#RB 0	Pass	6.50	21.73	21.73	0.149	26.08	0.405	3
714.5MHz_OPSK_RB 1,#RB L	Pass	6.50	21.65	21.65	0.146	26.00	0.398	3
714.5MHz_OPSK_RB 1,#RB M	Pass	6.50	21.68	21.68	0.147	26.03	0.400	3
714.5MHz_OPSK_RB 1,#RB H	Pass	6.50	21.63	21.63	0.146	25.98	0.396	3
714.5MHz_OPSK_RB 8,#RB L	Pass	6.50	21.73	21.73	0.149	26.08	0.405	3
714.5MHz_OPSK_RB 8,#RB M	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
714.5MHz_OPSK_RB 8,#RB H	Pass	6.50	21.70	21.70	0.148	26.05	0.402	3
700.5MHz_16QAM_RB 15,#RB 0	Pass	6.50	21.68	21.68	0.147	26.03	0.400	3
700.5MHz_16QAM_RB 1,#RB L	Pass	6.50	21.82	21.82	0.152	26.17	0.413	3
700.5MHz_16QAM_RB 1,#RB M	Pass	6.50	21.86	21.86	0.153	26.21	0.417	3
700.5MHz_16QAM_RB 1,#RB H	Pass	6.50	21.82	21.82	0.152	26.17	0.413	3
700.5MHz_16QAM_RB 8,#RB L	Pass	6.50	21.68	21.68	0.147	26.03	0.400	3
700.5MHz_16QAM_RB 8,#RB M	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
700.5MHz_16QAM_RB 8,#RB H	Pass	6.50	21.66	21.66	0.147	26.01	0.399	3
707.5MHz_16QAM_RB 15,#RB 0	Pass	6.50	21.82	21.82	0.152	26.17	0.413	3
707.5MHz_16QAM_RB 1,#RB L	Pass	6.50	21.88	21.88	0.154	26.23	0.419	3
707.5MHz_16QAM_RB 1,#RB M	Pass	6.50	22.02	22.02	0.159	26.37	0.433	3
707.5MHz_16QAM_RB 1,#RB H	Pass	6.50	21.85	21.85	0.153	26.20	0.416	3
707.5MHz_16QAM_RB 8,#RB L	Pass	6.50	21.71	21.71	0.148	26.06	0.403	3
707.5MHz_16QAM_RB 8,#RB M	Pass	6.50	21.72	21.72	0.149	26.07	0.404	3
707.5MHz_16QAM_RB 8,#RB H	Pass	6.50	21.83	21.83	0.152	26.18	0.414	3
714.5MHz_16QAM_RB 15,#RB 0	Pass	6.50	21.71	21.71	0.148	26.06	0.403	3
714.5MHz_16QAM_RB 1,#RB L	Pass	6.50	21.84	21.84	0.153	26.19	0.415	3
714.5MHz_16QAM_RB 1,#RB M	Pass	6.50	21.83	21.83	0.152	26.18	0.414	3
714.5MHz_16QAM_RB 1,#RB H	Pass	6.50	21.77	21.77	0.150	26.12	0.409	3
714.5MHz_16QAM_RB 8,#RB L	Pass	6.50	21.73	21.73	0.149	26.08	0.405	3
714.5MHz_16QAM_RB 8,#RB M	Pass	6.50	21.77	21.77	0.150	26.12	0.409	3
714.5MHz_16QAM_RB 8,#RB H	Pass	6.50	21.72	21.72	0.149	26.07	0.404	3
700.5MHz_64QAM_RB 15,#RB 0	Pass	6.50	21.66	21.66	0.147	26.01	0.399	3
700.5MHz_64QAM_RB 1,#RB L	Pass	6.50	21.76	21.76	0.150	26.11	0.408	3
700.5MHz_64QAM_RB 1,#RB M	Pass	6.50	21.70	21.70	0.148	26.05	0.402	3
700.5MHz_64QAM_RB 1,#RB H	Pass	6.50	21.71	21.71	0.148	26.06	0.403	3
700.5MHz_64QAM_RB 8,#RB L	Pass	6.50	21.65	21.65	0.146	26.00	0.398	3
700.5MHz_64QAM_RB 8,#RB M	Pass	6.50	21.68	21.68	0.147	26.03	0.400	3
700.5MHz_64QAM_RB 8,#RB H	Pass	6.50	21.63	21.63	0.146	25.98	0.396	3
707.5MHz_64QAM_RB 15,#RB 0	Pass	6.50	21.84	21.84	0.153	26.19	0.415	3
707.5MHz_64QAM_RB 1,#RB L	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
707.5MHz_64QAM_RB 1,#RB M	Pass	6.50	21.97	21.97	0.157	26.32	0.428	3
707.5MHz_64QAM_RB 1,#RB H	Pass	6.50	21.77	21.77	0.150	26.12	0.409	3
707.5MHz_64QAM_RB 8,#RB L	Pass	6.50	21.69	21.69	0.148	26.04	0.401	3
707.5MHz_64QAM_RB 8,#RB M	Pass	6.50	21.67	21.67	0.147	26.02	0.399	3
707.5MHz_64QAM_RB 8,#RB H	Pass	6.50	21.79	21.79	0.151	26.14	0.411	3
714.5MHz_64QAM_RB 15,#RB 0	Pass	6.50	21.70	21.70	0.148	26.05	0.402	3
714.5MHz_64QAM_RB 1,#RB L	Pass	6.50	21.82	21.82	0.152	26.17	0.413	3



## Average Power (Mode 8: LTE Band 12)

## Appendix A.8

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
714.5MHz_64QAM_RB 1,#RB M	Pass	6.50	21.80	21.80	0.151	26.15	0.412	3
714.5MHz_64QAM_RB 1,#RB H	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
714.5MHz_64QAM_RB 8,#RB L	Pass	6.50	21.72	21.72	0.149	26.07	0.404	3
714.5MHz_64QAM_RB 8,#RB M	Pass	6.50	21.73	21.73	0.149	26.08	0.405	3
714.5MHz_64QAM_RB 8,#RB H	Pass	6.50	21.69	21.69	0.148	26.04	0.401	3
Band 12_LTE_5MHz_1TX	-	-	-	-	-	-	-	-
701.5MHz_OPSK_RB 25,#RB 0	Pass	6.50	21.83	21.83	0.152	26.18	0.414	3
701.5MHz_OPSK_RB 1,#RB L	Pass	6.50	21.63	21.63	0.146	25.98	0.396	3
701.5MHz_OPSK_RB 1,#RB M	Pass	6.50	21.72	21.72	0.149	26.07	0.404	3
701.5MHz_OPSK_RB 1,#RB H	Pass	6.50	21.64	21.64	0.146	25.99	0.397	3
701.5MHz_OPSK_RB 12,#RB L	Pass	6.50	21.72	21.72	0.149	26.07	0.404	3
701.5MHz_OPSK_RB 12,#RB M	Pass	6.50	21.69	21.69	0.148	26.04	0.401	3
701.5MHz_OPSK_RB 12,#RB H	Pass	6.50	21.73	21.73	0.149	26.08	0.405	3
707.5MHz_OPSK_RB 25,#RB 0	Pass	6.50	21.91	21.91	0.155	26.26	0.422	3
707.5MHz_OPSK_RB 1,#RB L	Pass	6.50	21.67	21.67	0.147	26.02	0.399	3
707.5MHz_OPSK_RB 1,#RB M	Pass	6.50	21.91	21.91	0.155	26.26	0.422	3
707.5MHz_OPSK_RB 1,#RB H	Pass	6.50	21.63	21.63	0.146	25.98	0.396	3
707.5MHz_OPSK_RB 12,#RB L	Pass	6.50	21.72	21.72	0.149	26.07	0.404	3
707.5MHz_OPSK_RB 12,#RB M	Pass	6.50	21.77	21.77	0.150	26.12	0.409	3
707.5MHz_OPSK_RB 12,#RB H	Pass	6.50	21.73	21.73	0.149	26.08	0.405	3
713.5MHz_OPSK_RB 25,#RB 0	Pass	6.50	21.71	21.71	0.148	26.06	0.403	3
713.5MHz_OPSK_RB 1,#RB L	Pass	6.50	21.64	21.64	0.146	25.99	0.397	3
713.5MHz_OPSK_RB 1,#RB M	Pass	6.50	21.74	21.74	0.149	26.09	0.406	3
713.5MHz_OPSK_RB 1,#RB H	Pass	6.50	21.64	21.64	0.146	25.99	0.397	3
713.5MHz_OPSK_RB 12,#RB L	Pass	6.50	21.72	21.72	0.149	26.07	0.404	3
713.5MHz_OPSK_RB 12,#RB M	Pass	6.50	21.77	21.77	0.150	26.12	0.409	3
713.5MHz_OPSK_RB 12,#RB H	Pass	6.50	21.71	21.71	0.148	26.06	0.403	3
701.5MHz_16QAM_RB 25,#RB 0	Pass	6.50	21.84	21.84	0.153	26.19	0.415	3
701.5MHz_16QAM_RB 1,#RB L	Pass	6.50	21.80	21.80	0.151	26.15	0.412	3
701.5MHz_16QAM_RB 1,#RB M	Pass	6.50	22.01	22.01	0.159	26.36	0.432	3
701.5MHz_16QAM_RB 1,#RB H	Pass	6.50	21.88	21.88	0.154	26.23	0.419	3
701.5MHz_16QAM_RB 12,#RB L	Pass	6.50	21.68	21.68	0.147	26.03	0.400	3
701.5MHz_16QAM_RB 12,#RB M	Pass	6.50	21.71	21.71	0.148	26.06	0.403	3
701.5MHz_16QAM_RB 12,#RB H	Pass	6.50	21.71	21.71	0.148	26.06	0.403	3
707.5MHz_16QAM_RB 25,#RB 0	Pass	6.50	21.86	21.86	0.153	26.21	0.417	3
707.5MHz_16QAM_RB 1,#RB L	Pass	6.50	21.87	21.87	0.154	26.22	0.418	3
707.5MHz_16QAM_RB 1,#RB M	Pass	6.50	22.10	22.10	0.162	26.45	0.441	3
707.5MHz_16QAM_RB 1,#RB H	Pass	6.50	21.84	21.84	0.153	26.19	0.415	3
707.5MHz_16QAM_RB 12,#RB L	Pass	6.50	21.70	21.70	0.148	26.05	0.402	3
707.5MHz_16QAM_RB 12,#RB M	Pass	6.50	21.74	21.74	0.149	26.09	0.406	3
707.5MHz_16QAM_RB 12,#RB H	Pass	6.50	21.71	21.71	0.148	26.06	0.403	3
713.5MHz_16QAM_RB 25,#RB 0	Pass	6.50	21.68	21.68	0.147	26.03	0.400	3
713.5MHz_16QAM_RB 1,#RB L	Pass	6.50	21.91	21.91	0.155	26.26	0.422	3
713.5MHz_16QAM_RB 1,#RB M	Pass	6.50	21.97	21.97	0.157	26.32	0.428	3
713.5MHz_16QAM_RB 1,#RB H	Pass	6.50	21.82	21.82	0.152	26.17	0.413	3
713.5MHz_16QAM_RB 12,#RB L	Pass	6.50	21.70	21.70	0.148	26.05	0.402	3
713.5MHz_16QAM_RB 12,#RB M	Pass	6.50	21.72	21.72	0.149	26.07	0.404	3
713.5MHz_16QAM_RB 12,#RB H	Pass	6.50	21.70	21.70	0.148	26.05	0.402	3
701.5MHz_64QAM_RB 25,#RB 0	Pass	6.50	21.82	21.82	0.152	26.17	0.413	3
701.5MHz_64QAM_RB 1,#RB L	Pass	6.50	21.73	21.73	0.149	26.08	0.405	3
701.5MHz_64QAM_RB 1,#RB M	Pass	6.50	21.84	21.84	0.153	26.19	0.415	3
701.5MHz_64QAM_RB 1,#RB H	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
701.5MHz_64QAM_RB 12,#RB L	Pass	6.50	21.63	21.63	0.146	25.98	0.396	3
701.5MHz_64QAM_RB 12,#RB M	Pass	6.50	21.69	21.69	0.148	26.04	0.401	3
701.5MHz_64QAM_RB 12,#RB H	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
707.5MHz_64QAM_RB 25,#RB 0	Pass	6.50	21.85	21.85	0.153	26.20	0.416	3
707.5MHz_64QAM_RB 1,#RB L	Pass	6.50	21.79	21.79	0.151	26.14	0.411	3
707.5MHz_64QAM_RB 1,#RB M	Pass	6.50	21.98	21.98	0.158	26.33	0.429	3
707.5MHz_64QAM_RB 1,#RB H	Pass	6.50	21.73	21.73	0.149	26.08	0.405	3
707.5MHz_64QAM_RB 12,#RB L	Pass	6.50	21.67	21.67	0.147	26.02	0.399	3
707.5MHz_64QAM_RB 12,#RB M	Pass	6.50	21.71	21.71	0.148	26.06	0.403	3
707.5MHz_64QAM_RB 12,#RB H	Pass	6.50	21.61	21.61	0.145	25.96	0.394	3



**Average Power (Mode 8: LTE Band 12)**

**Appendix A.8**

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
713.5MHz_64QAM_RB 25,#RB 0	Pass	6.50	21.68	21.68	0.147	26.03	0.400	3
713.5MHz_64QAM_RB 1,#RB L	Pass	6.50	21.78	21.78	0.151	26.13	0.410	3
713.5MHz_64QAM_RB 1,#RB M	Pass	6.50	21.88	21.88	0.154	26.23	0.419	3
713.5MHz_64QAM_RB 1,#RB H	Pass	6.50	21.72	21.72	0.149	26.07	0.404	3
713.5MHz_64QAM_RB 12,#RB L	Pass	6.50	21.69	21.69	0.148	26.04	0.401	3
713.5MHz_64QAM_RB 12,#RB M	Pass	6.50	21.71	21.71	0.148	26.06	0.403	3
713.5MHz_64QAM_RB 12,#RB H	Pass	6.50	21.67	21.67	0.147	26.02	0.399	3
Band 12_LTE_10MHz_1TX	-	-	-	-	-	-	-	-
704MHz_QPSK_RB 50,#RB 0	Pass	6.50	21.89	21.89	0.155	26.24	0.420	3
704MHz_QPSK_RB 1,#RB L	Pass	6.50	21.66	21.66	0.147	26.01	0.399	3
704MHz_QPSK_RB 1,#RB M	Pass	6.50	21.83	21.83	0.152	26.18	0.414	3
704MHz_QPSK_RB 1,#RB H	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
704MHz_QPSK_RB 25,#RB L	Pass	6.50	21.78	21.78	0.151	26.13	0.410	3
704MHz_QPSK_RB 25,#RB M	Pass	6.50	21.92	21.92	0.156	26.27	0.423	3
704MHz_QPSK_RB 25,#RB H	Pass	6.50	21.84	21.84	0.153	26.19	0.415	3
707.5MHz_QPSK_RB 50,#RB 0	Pass	6.50	21.81	21.81	0.152	26.16	0.413	3
707.5MHz_QPSK_RB 1,#RB L	Pass	6.50	21.65	21.65	0.146	26.00	0.398	3
707.5MHz_QPSK_RB 1,#RB M	Pass	6.50	21.80	21.80	0.151	26.15	0.412	3
707.5MHz_QPSK_RB 1,#RB H	Pass	6.50	21.86	21.86	0.153	26.21	0.417	3
707.5MHz_QPSK_RB 25,#RB L	Pass	6.50	21.88	21.88	0.154	26.23	0.419	3
707.5MHz_QPSK_RB 25,#RB M	Pass	6.50	21.91	21.91	0.155	26.26	0.422	3
707.5MHz_QPSK_RB 25,#RB H	Pass	6.50	21.80	21.80	0.151	26.15	0.412	3
711MHz_QPSK_RB 50,#RB 0	Pass	6.50	21.84	21.84	0.153	26.19	0.415	3
711MHz_QPSK_RB 1,#RB L	Pass	6.50	21.84	21.84	0.153	26.19	0.415	3
711MHz_QPSK_RB 1,#RB M	Pass	6.50	21.84	21.84	0.153	26.19	0.415	3
711MHz_QPSK_RB 1,#RB H	Pass	6.50	21.66	21.66	0.147	26.01	0.399	3
711MHz_QPSK_RB 25,#RB L	Pass	6.50	21.86	21.86	0.153	26.21	0.417	3
711MHz_QPSK_RB 25,#RB M	Pass	6.50	21.89	21.89	0.155	26.24	0.420	3
711MHz_QPSK_RB 25,#RB H	Pass	6.50	21.81	21.81	0.152	26.16	0.413	3
704MHz_16QAM_RB 50,#RB 0	Pass	6.50	21.85	21.85	0.153	26.20	0.416	3
704MHz_16QAM_RB 1,#RB L	Pass	6.50	21.90	21.90	0.155	26.25	0.421	3
704MHz_16QAM_RB 1,#RB M	Pass	6.50	22.05	22.05	0.160	26.40	0.436	3
704MHz_16QAM_RB 1,#RB H	Pass	6.50	21.95	21.95	0.157	26.30	0.426	3
704MHz_16QAM_RB 25,#RB L	Pass	6.50	21.81	21.81	0.152	26.16	0.413	3
704MHz_16QAM_RB 25,#RB M	Pass	6.50	21.90	21.90	0.155	26.25	0.421	3
704MHz_16QAM_RB 25,#RB H	Pass	6.50	21.82	21.82	0.152	26.17	0.413	3
707.5MHz_16QAM_RB 50,#RB 0	Pass	6.50	21.81	21.81	0.152	26.16	0.413	3
707.5MHz_16QAM_RB 1,#RB L	Pass	6.50	21.84	21.84	0.153	26.19	0.415	3
707.5MHz_16QAM_RB 1,#RB M	Pass	6.50	22.06	22.06	0.161	26.41	0.437	3
707.5MHz_16QAM_RB 1,#RB H	Pass	6.50	22.05	22.05	0.160	26.40	0.436	3
707.5MHz_16QAM_RB 25,#RB L	Pass	6.50	21.86	21.86	0.153	26.21	0.417	3
707.5MHz_16QAM_RB 25,#RB M	Pass	6.50	21.89	21.89	0.155	26.24	0.420	3
707.5MHz_16QAM_RB 25,#RB H	Pass	6.50	21.82	21.82	0.152	26.17	0.413	3
711MHz_16QAM_RB 50,#RB 0	Pass	6.50	21.80	21.80	0.151	26.15	0.412	3
711MHz_16QAM_RB 1,#RB L	Pass	6.50	22.24	22.24	0.167	26.59	0.456	3
711MHz_16QAM_RB 1,#RB M	Pass	6.50	22.06	22.06	0.161	26.41	0.437	3
711MHz_16QAM_RB 1,#RB H	Pass	6.50	21.85	21.85	0.153	26.20	0.416	3
711MHz_16QAM_RB 25,#RB L	Pass	6.50	21.88	21.88	0.154	26.23	0.419	3
711MHz_16QAM_RB 25,#RB M	Pass	6.50	21.84	21.84	0.153	26.19	0.415	3
711MHz_16QAM_RB 25,#RB H	Pass	6.50	21.79	21.79	0.151	26.14	0.411	3
704MHz_64QAM_RB 50,#RB 0	Pass	6.50	21.86	21.86	0.153	26.21	0.417	3
704MHz_64QAM_RB 1,#RB L	Pass	6.50	21.78	21.78	0.151	26.13	0.410	3
704MHz_64QAM_RB 1,#RB M	Pass	6.50	22.01	22.01	0.159	26.36	0.432	3
704MHz_64QAM_RB 1,#RB H	Pass	6.50	21.86	21.86	0.153	26.21	0.417	3
704MHz_64QAM_RB 25,#RB L	Pass	6.50	21.80	21.80	0.151	26.15	0.412	3
704MHz_64QAM_RB 25,#RB M	Pass	6.50	21.87	21.87	0.154	26.22	0.418	3
704MHz_64QAM_RB 25,#RB H	Pass	6.50	21.81	21.81	0.152	26.16	0.413	3
707.5MHz_64QAM_RB 50,#RB 0	Pass	6.50	21.80	21.80	0.151	26.15	0.412	3
707.5MHz_64QAM_RB 1,#RB L	Pass	6.50	21.83	21.83	0.152	26.18	0.414	3
707.5MHz_64QAM_RB 1,#RB M	Pass	6.50	21.89	21.89	0.155	26.24	0.420	3
707.5MHz_64QAM_RB 1,#RB H	Pass	6.50	22.06	22.06	0.161	26.41	0.437	3
707.5MHz_64QAM_RB 25,#RB L	Pass	6.50	21.88	21.88	0.154	26.23	0.419	3



## Average Power (Mode 8: LTE Band 12)

## Appendix A.8

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
707.5MHz_64QAM_RB 25,#RB M	Pass	6.50	21.85	21.85	0.153	26.20	0.416	3
707.5MHz_64QAM_RB 25,#RB H	Pass	6.50	21.83	21.83	0.152	26.18	0.414	3
711MHz_64QAM_RB 50,#RB O	Pass	6.50	21.80	21.80	0.151	26.15	0.412	3
711MHz_64QAM_RB 1,#RB L	Pass	6.50	21.97	21.97	0.157	26.32	0.428	3
711MHz_64QAM_RB 1,#RB M	Pass	6.50	21.92	21.92	0.156	26.27	0.423	3
711MHz_64QAM_RB 1,#RB H	Pass	6.50	21.77	21.77	0.150	26.12	0.409	3
711MHz_64QAM_RB 25,#RB L	Pass	6.50	21.85	21.85	0.153	26.20	0.416	3
711MHz_64QAM_RB 25,#RB M	Pass	6.50	21.82	21.82	0.152	26.17	0.413	3
711MHz_64QAM_RB 25,#RB H	Pass	6.50	21.77	21.77	0.150	26.12	0.409	3

DG = Directional Gain; Port n = Port n output power



Summary

Mode	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)
Band 13	-	-	-	-
LTE_5MHz_1TX	21.84	0.153	26.19	0.415
LTE_5MHz_1TX	22.08	0.161	26.43	0.439
LTE_5MHz_1TX	21.93	0.156	26.28	0.424
LTE_10MHz_1TX	21.88	0.154	26.23	0.419
LTE_10MHz_1TX	22.02	0.159	26.37	0.433
LTE_10MHz_1TX	21.91	0.155	26.26	0.422

DG = Directional Gain; Port n = Port n output power



## Average Power (Mode 9: LTE Band 13)

## Appendix A.9

### Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
Band 13_LTE_5MHz_1TX	-	-	-	-	-	-	-	-
779.5MHz_OPSK_RB 25,#RB 0	Pass	6.50	21.74	21.74	0.149	26.09	0.406	3
779.5MHz_OPSK_RB 1,#RB L	Pass	6.50	21.51	21.51	0.142	25.86	0.385	3
779.5MHz_OPSK_RB 1,#RB M	Pass	6.50	21.76	21.76	0.150	26.11	0.408	3
779.5MHz_OPSK_RB 1,#RB H	Pass	6.50	21.72	21.72	0.149	26.07	0.404	3
779.5MHz_OPSK_RB 12,#RB L	Pass	6.50	21.70	21.70	0.148	26.05	0.402	3
779.5MHz_OPSK_RB 12,#RB M	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
779.5MHz_OPSK_RB 12,#RB H	Pass	6.50	21.79	21.79	0.151	26.14	0.411	3
782MHz_OPSK_RB 25,#RB 0	Pass	6.50	21.84	21.84	0.153	26.19	0.415	3
782MHz_OPSK_RB 1,#RB L	Pass	6.50	21.63	21.63	0.146	25.98	0.396	3
782MHz_OPSK_RB 1,#RB M	Pass	6.50	21.77	21.77	0.150	26.12	0.409	3
782MHz_OPSK_RB 1,#RB H	Pass	6.50	21.65	21.65	0.146	26.00	0.398	3
782MHz_OPSK_RB 12,#RB L	Pass	6.50	21.80	21.80	0.151	26.15	0.412	3
782MHz_OPSK_RB 12,#RB M	Pass	6.50	21.69	21.69	0.148	26.04	0.401	3
782MHz_OPSK_RB 12,#RB H	Pass	6.50	21.76	21.76	0.150	26.11	0.408	3
784.5MHz_OPSK_RB 25,#RB 0	Pass	6.50	21.76	21.76	0.150	26.11	0.408	3
784.5MHz_OPSK_RB 1,#RB L	Pass	6.50	21.74	21.74	0.149	26.09	0.406	3
784.5MHz_OPSK_RB 1,#RB M	Pass	6.50	21.76	21.76	0.150	26.11	0.408	3
784.5MHz_OPSK_RB 1,#RB H	Pass	6.50	21.63	21.63	0.146	25.98	0.396	3
784.5MHz_OPSK_RB 12,#RB L	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
784.5MHz_OPSK_RB 12,#RB M	Pass	6.50	21.78	21.78	0.151	26.13	0.410	3
784.5MHz_OPSK_RB 12,#RB H	Pass	6.50	21.70	21.70	0.148	26.05	0.402	3
779.5MHz_16QAM_RB 25,#RB 0	Pass	6.50	21.43	21.43	0.139	25.78	0.378	3
779.5MHz_16QAM_RB 1,#RB L	Pass	6.50	21.68	21.68	0.147	26.03	0.400	3
779.5MHz_16QAM_RB 1,#RB M	Pass	6.50	22.00	22.00	0.158	26.35	0.431	3
779.5MHz_16QAM_RB 1,#RB H	Pass	6.50	21.92	21.92	0.156	26.27	0.423	3
779.5MHz_16QAM_RB 12,#RB L	Pass	6.50	21.40	21.40	0.138	25.75	0.375	3
779.5MHz_16QAM_RB 12,#RB M	Pass	6.50	21.44	21.44	0.139	25.79	0.379	3
779.5MHz_16QAM_RB 12,#RB H	Pass	6.50	21.47	21.47	0.140	25.82	0.381	3
782MHz_16QAM_RB 25,#RB 0	Pass	6.50	21.56	21.56	0.143	25.91	0.389	3
782MHz_16QAM_RB 1,#RB L	Pass	6.50	21.86	21.86	0.153	26.21	0.417	3
782MHz_16QAM_RB 1,#RB M	Pass	6.50	22.05	22.05	0.160	26.40	0.436	3
782MHz_16QAM_RB 1,#RB H	Pass	6.50	21.95	21.95	0.157	26.3	0.426	3
782MHz_16QAM_RB 12,#RB L	Pass	6.50	21.48	21.48	0.141	25.83	0.382	3
782MHz_16QAM_RB 12,#RB M	Pass	6.50	21.53	21.53	0.142	25.88	0.387	3
782MHz_16QAM_RB 12,#RB H	Pass	6.50	21.43	21.43	0.139	25.78	0.378	3
784.5MHz_16QAM_RB 25,#RB 0	Pass	6.50	21.44	21.44	0.139	25.79	0.379	3
784.5MHz_16QAM_RB 1,#RB L	Pass	6.50	21.99	21.99	0.158	26.34	0.43	3
784.5MHz_16QAM_RB 1,#RB M	Pass	6.50	22.08	22.08	0.161	26.43	0.439	3
784.5MHz_16QAM_RB 1,#RB H	Pass	6.50	21.95	21.95	0.157	26.3	0.426	3
784.5MHz_16QAM_RB 12,#RB L	Pass	6.50	21.45	21.45	0.140	25.80	0.380	3
784.5MHz_16QAM_RB 12,#RB M	Pass	6.50	21.49	21.49	0.141	25.84	0.383	3
784.5MHz_16QAM_RB 12,#RB H	Pass	6.50	21.45	21.45	0.140	25.80	0.380	3
779.5MHz_64QAM_RB 25,#RB 0	Pass	6.50	21.38	21.38	0.137	25.73	0.374	3
779.5MHz_64QAM_RB 1,#RB L	Pass	6.50	21.61	21.61	0.145	25.96	0.394	3
779.5MHz_64QAM_RB 1,#RB M	Pass	6.50	21.84	21.84	0.153	26.19	0.415	3
779.5MHz_64QAM_RB 1,#RB H	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
779.5MHz_64QAM_RB 12,#RB L	Pass	6.50	21.35	21.35	0.136	25.70	0.371	3
779.5MHz_64QAM_RB 12,#RB M	Pass	6.50	21.42	21.42	0.139	25.77	0.377	3
779.5MHz_64QAM_RB 12,#RB H	Pass	6.50	21.46	21.46	0.140	25.81	0.381	3
782MHz_64QAM_RB 25,#RB 0	Pass	6.50	21.52	21.52	0.142	25.87	0.386	3
782MHz_64QAM_RB 1,#RB L	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
782MHz_64QAM_RB 1,#RB M	Pass	6.50	21.90	21.90	0.155	26.25	0.421	3
782MHz_64QAM_RB 1,#RB H	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
782MHz_64QAM_RB 12,#RB L	Pass	6.50	21.46	21.46	0.140	25.81	0.381	3
782MHz_64QAM_RB 12,#RB M	Pass	6.50	21.46	21.46	0.140	25.81	0.381	3
782MHz_64QAM_RB 12,#RB H	Pass	6.50	21.36	21.36	0.137	25.71	0.372	3
784.5MHz_64QAM_RB 25,#RB 0	Pass	6.50	21.45	21.45	0.140	25.80	0.380	3
784.5MHz_64QAM_RB 1,#RB L	Pass	6.50	21.83	21.83	0.152	26.18	0.414	3
784.5MHz_64QAM_RB 1,#RB M	Pass	6.50	21.93	21.93	0.156	26.28	0.424	3
784.5MHz_64QAM_RB 1,#RB H	Pass	6.50	21.82	21.82	0.152	26.17	0.413	3





## Average Power (Mode 9: LTE Band 13)

## Appendix A.9

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
784.5MHz_64QAM_RB 12,#RB L	Pass	6.50	21.44	21.44	0.139	25.79	0.379	3
784.5MHz_64QAM_RB 12,#RB M	Pass	6.50	21.49	21.49	0.141	25.84	0.383	3
784.5MHz_64QAM_RB 12,#RB H	Pass	6.50	21.43	21.43	0.139	25.78	0.378	3
Band 13_LTE_10MHz_1TX	-	-	-	-	-	-	-	-
782MHz_QPSK_RB 50,#RB 0	Pass	6.50	21.83	21.83	0.152	26.18	0.414	3
782MHz_QPSK_RB 1,#RB L	Pass	6.50	21.51	21.51	0.142	25.86	0.385	3
782MHz_QPSK_RB 1,#RB M	Pass	6.50	21.80	21.80	0.151	26.15	0.412	3
782MHz_QPSK_RB 1,#RB H	Pass	6.50	21.77	21.77	0.150	26.12	0.409	3
782MHz_QPSK_RB 25,#RB L	Pass	6.50	21.78	21.78	0.151	26.13	0.410	3
782MHz_QPSK_RB 25,#RB M	Pass	6.50	21.88	21.88	0.154	26.23	0.419	3
782MHz_QPSK_RB 25,#RB H	Pass	6.50	21.82	21.82	0.152	26.17	0.413	3
782MHz_16QAM_RB 50,#RB 0	Pass	6.50	21.56	21.56	0.143	25.91	0.389	3
782MHz_16QAM_RB 1,#RB L	Pass	6.50	21.83	21.83	0.152	26.18	0.414	3
782MHz_16QAM_RB 1,#RB M	Pass	6.50	22.01	22.01	0.159	26.36	0.432	3
782MHz_16QAM_RB 1,#RB H	Pass	6.50	22.02	22.02	0.159	26.37	0.433	3
782MHz_16QAM_RB 25,#RB L	Pass	6.50	21.44	21.44	0.139	25.79	0.379	3
782MHz_16QAM_RB 25,#RB M	Pass	6.50	21.54	21.54	0.143	25.89	0.388	3
782MHz_16QAM_RB 25,#RB H	Pass	6.50	21.53	21.53	0.142	25.88	0.387	3
782MHz_64QAM_RB 50,#RB 0	Pass	6.50	21.53	21.53	0.142	25.88	0.387	3
782MHz_64QAM_RB 1,#RB L	Pass	6.50	21.68	21.68	0.147	26.03	0.400	3
782MHz_64QAM_RB 1,#RB M	Pass	6.50	21.89	21.89	0.155	26.24	0.420	3
782MHz_64QAM_RB 1,#RB H	Pass	6.50	21.91	21.91	0.155	26.26	0.422	3
782MHz_64QAM_RB 25,#RB L	Pass	6.50	21.40	21.40	0.138	25.75	0.375	3
782MHz_64QAM_RB 25,#RB M	Pass	6.50	21.54	21.54	0.143	25.89	0.388	3
782MHz_64QAM_RB 25,#RB H	Pass	6.50	21.53	21.53	0.142	25.88	0.387	3

DG = Directional Gain; Port n = Port n output power



Summary

Mode	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)
Band 17	-	-	-	-
LTE_5MHz_1TX	21.88	0.154	26.23	0.419
LTE_5MHz_1TX	22.13	0.163	26.48	0.444
LTE_5MHz_1TX	21.98	0.158	26.33	0.429
LTE_10MHz_1TX	22.02	0.159	26.37	0.433
LTE_10MHz_1TX	22.18	0.165	26.53	0.449
LTE_10MHz_1TX	22.19	0.166	26.54	0.450

DG = Directional Gain; Port n = Port n output power



## Average Power (Mode 10: LTE Band 17)

## Appendix A.10

### Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
Band 17_LTE_5MHz_1TX	-	-	-	-	-	-	-	-
706.5MHz_OPSK_RB 25,#RB 0	Pass	6.50	21.76	21.76	0.150	26.11	0.408	3
706.5MHz_OPSK_RB 1,#RB L	Pass	6.50	21.70	21.70	0.148	26.05	0.402	3
706.5MHz_OPSK_RB 1,#RB M	Pass	6.50	21.79	21.79	0.151	26.14	0.411	3
706.5MHz_OPSK_RB 1,#RB H	Pass	6.50	21.68	21.68	0.147	26.03	0.400	3
706.5MHz_OPSK_RB 12,#RB L	Pass	6.50	21.76	21.76	0.150	26.11	0.408	3
706.5MHz_OPSK_RB 12,#RB M	Pass	6.50	21.76	21.76	0.150	26.11	0.408	3
706.5MHz_OPSK_RB 12,#RB H	Pass	6.50	21.88	21.88	0.154	26.23	0.419	3
710MHz_OPSK_RB 25,#RB 0	Pass	6.50	21.76	21.76	0.150	26.11	0.408	3
710MHz_OPSK_RB 1,#RB L	Pass	6.50	21.85	21.85	0.153	26.20	0.416	3
710MHz_OPSK_RB 1,#RB M	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
710MHz_OPSK_RB 1,#RB H	Pass	6.50	21.81	21.81	0.152	26.16	0.413	3
710MHz_OPSK_RB 12,#RB L	Pass	6.50	21.78	21.78	0.151	26.13	0.410	3
710MHz_OPSK_RB 12,#RB M	Pass	6.50	21.77	21.77	0.150	26.12	0.409	3
710MHz_OPSK_RB 12,#RB H	Pass	6.50	21.85	21.85	0.153	26.20	0.416	3
713.5MHz_OPSK_RB 25,#RB 0	Pass	6.50	21.74	21.74	0.149	26.09	0.406	3
713.5MHz_OPSK_RB 1,#RB L	Pass	6.50	21.70	21.70	0.148	26.05	0.402	3
713.5MHz_OPSK_RB 1,#RB M	Pass	6.50	21.86	21.86	0.153	26.21	0.417	3
713.5MHz_OPSK_RB 1,#RB H	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
713.5MHz_OPSK_RB 12,#RB L	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
713.5MHz_OPSK_RB 12,#RB M	Pass	6.50	21.86	21.86	0.153	26.21	0.417	3
713.5MHz_OPSK_RB 12,#RB H	Pass	6.50	21.83	21.83	0.152	26.18	0.414	3
706.5MHz_16QAM_RB 25,#RB 0	Pass	6.50	21.42	21.42	0.139	25.77	0.377	3
706.5MHz_16QAM_RB 1,#RB L	Pass	6.50	22.01	22.01	0.159	26.36	0.432	3
706.5MHz_16QAM_RB 1,#RB M	Pass	6.50	21.96	21.96	0.157	26.31	0.427	3
706.5MHz_16QAM_RB 1,#RB H	Pass	6.50	21.90	21.90	0.155	26.25	0.421	3
706.5MHz_16QAM_RB 12,#RB L	Pass	6.50	21.46	21.46	0.140	25.81	0.381	3
706.5MHz_16QAM_RB 12,#RB M	Pass	6.50	21.51	21.51	0.142	25.86	0.385	3
706.5MHz_16QAM_RB 12,#RB H	Pass	6.50	21.60	21.60	0.145	25.95	0.393	3
710MHz_16QAM_RB 25,#RB 0	Pass	6.50	21.47	21.47	0.140	25.82	0.381	3
710MHz_16QAM_RB 1,#RB L	Pass	6.50	22.10	22.10	0.162	26.45	0.441	3
710MHz_16QAM_RB 1,#RB M	Pass	6.50	22.04	22.04	0.160	26.39	0.435	3
710MHz_16QAM_RB 1,#RB H	Pass	6.50	22.02	22.02	0.159	26.37	0.433	3
710MHz_16QAM_RB 12,#RB L	Pass	6.50	21.45	21.45	0.140	25.80	0.380	3
710MHz_16QAM_RB 12,#RB M	Pass	6.50	21.49	21.49	0.141	25.84	0.383	3
710MHz_16QAM_RB 12,#RB H	Pass	6.50	21.59	21.59	0.144	25.94	0.392	3
713.5MHz_16QAM_RB 25,#RB 0	Pass	6.50	21.37	21.37	0.137	25.72	0.373	3
713.5MHz_16QAM_RB 1,#RB L	Pass	6.50	21.91	21.91	0.155	26.26	0.422	3
713.5MHz_16QAM_RB 1,#RB M	Pass	6.50	22.13	22.13	0.163	26.48	0.444	3
713.5MHz_16QAM_RB 1,#RB H	Pass	6.50	21.98	21.98	0.158	26.33	0.429	3
713.5MHz_16QAM_RB 12,#RB L	Pass	6.50	21.44	21.44	0.139	25.79	0.379	3
713.5MHz_16QAM_RB 12,#RB M	Pass	6.50	21.57	21.57	0.144	25.92	0.390	3
713.5MHz_16QAM_RB 12,#RB H	Pass	6.50	21.51	21.51	0.142	25.86	0.385	3
706.5MHz_64QAM_RB 25,#RB 0	Pass	6.50	21.42	21.42	0.139	25.77	0.377	3
706.5MHz_64QAM_RB 1,#RB L	Pass	6.50	21.81	21.81	0.152	26.16	0.413	3
706.5MHz_64QAM_RB 1,#RB M	Pass	6.50	21.86	21.86	0.153	26.21	0.417	3
706.5MHz_64QAM_RB 1,#RB H	Pass	6.50	21.71	21.71	0.148	26.06	0.403	3
706.5MHz_64QAM_RB 12,#RB L	Pass	6.50	21.44	21.44	0.139	25.79	0.379	3
706.5MHz_64QAM_RB 12,#RB M	Pass	6.50	21.48	21.48	0.141	25.83	0.382	3
706.5MHz_64QAM_RB 12,#RB H	Pass	6.50	21.58	21.58	0.144	25.93	0.391	3
710MHz_64QAM_RB 25,#RB 0	Pass	6.50	21.46	21.46	0.140	25.81	0.381	3
710MHz_64QAM_RB 1,#RB L	Pass	6.50	21.95	21.95	0.157	26.30	0.426	3
710MHz_64QAM_RB 1,#RB M	Pass	6.50	21.88	21.88	0.154	26.23	0.419	3
710MHz_64QAM_RB 1,#RB H	Pass	6.50	21.90	21.90	0.155	26.25	0.421	3
710MHz_64QAM_RB 12,#RB L	Pass	6.50	21.43	21.43	0.139	25.78	0.378	3
710MHz_64QAM_RB 12,#RB M	Pass	6.50	21.47	21.47	0.140	25.82	0.381	3
710MHz_64QAM_RB 12,#RB H	Pass	6.50	21.55	21.55	0.143	25.90	0.389	3
713.5MHz_64QAM_RB 25,#RB 0	Pass	6.50	21.42	21.42	0.139	25.77	0.377	3
713.5MHz_64QAM_RB 1,#RB L	Pass	6.50	21.78	21.78	0.151	26.13	0.410	3
713.5MHz_64QAM_RB 1,#RB M	Pass	6.50	21.98	21.98	0.158	26.33	0.429	3
713.5MHz_64QAM_RB 1,#RB H	Pass	6.50	21.88	21.88	0.154	26.23	0.419	3



**Average Power (Mode 10: LTE Band 17)**

**Appendix A.10**

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
713.5MHz_64QAM_RB 12,#RB L	Pass	6.50	21.40	21.40	0.138	25.75	0.375	3
713.5MHz_64QAM_RB 12,#RB M	Pass	6.50	21.53	21.53	0.142	25.88	0.387	3
713.5MHz_64QAM_RB 12,#RB H	Pass	6.50	21.50	21.50	0.141	25.85	0.384	3
Band 17_LTE_10MHz_1TX	-	-	-	-	-	-	-	-
709MHz_QPSK_RB 50,#RB 0	Pass	6.50	21.81	21.81	0.152	26.16	0.413	3
709MHz_QPSK_RB 1,#RB L	Pass	6.50	21.94	21.94	0.156	26.29	0.425	3
709MHz_QPSK_RB 1,#RB M	Pass	6.50	21.72	21.72	0.149	26.07	0.404	3
709MHz_QPSK_RB 1,#RB H	Pass	6.50	22.02	22.02	0.159	26.37	0.433	3
709MHz_QPSK_RB 25,#RB L	Pass	6.50	21.92	21.92	0.156	26.27	0.423	3
709MHz_QPSK_RB 25,#RB M	Pass	6.50	21.83	21.83	0.152	26.18	0.414	3
709MHz_QPSK_RB 25,#RB H	Pass	6.50	21.98	21.98	0.158	26.33	0.429	3
710MHz_QPSK_RB 50,#RB 0	Pass	6.50	21.86	21.86	0.153	26.21	0.417	3
710MHz_QPSK_RB 1,#RB L	Pass	6.50	21.90	21.90	0.155	26.25	0.421	3
710MHz_QPSK_RB 1,#RB M	Pass	6.50	21.85	21.85	0.153	26.20	0.416	3
710MHz_QPSK_RB 1,#RB H	Pass	6.50	21.93	21.93	0.156	26.28	0.424	3
710MHz_QPSK_RB 25,#RB L	Pass	6.50	21.86	21.86	0.153	26.21	0.417	3
710MHz_QPSK_RB 25,#RB M	Pass	6.50	21.90	21.90	0.155	26.25	0.421	3
710MHz_QPSK_RB 25,#RB H	Pass	6.50	21.88	21.88	0.154	26.23	0.419	3
711MHz_QPSK_RB 50,#RB 0	Pass	6.50	21.88	21.88	0.154	26.23	0.419	3
711MHz_QPSK_RB 1,#RB L	Pass	6.50	21.90	21.90	0.155	26.25	0.421	3
711MHz_QPSK_RB 1,#RB M	Pass	6.50	21.87	21.87	0.154	26.22	0.418	3
711MHz_QPSK_RB 1,#RB H	Pass	6.50	21.77	21.77	0.150	26.12	0.409	3
711MHz_QPSK_RB 25,#RB L	Pass	6.50	21.91	21.91	0.155	26.26	0.422	3
711MHz_QPSK_RB 25,#RB M	Pass	6.50	21.94	21.94	0.156	26.29	0.425	3
711MHz_QPSK_RB 25,#RB H	Pass	6.50	21.90	21.90	0.155	26.25	0.421	3
709MHz_16QAM_RB 50,#RB 0	Pass	6.50	21.53	21.53	0.142	25.88	0.387	3
709MHz_16QAM_RB 1,#RB L	Pass	6.50	22.18	22.18	0.165	26.53	0.449	3
709MHz_16QAM_RB 1,#RB M	Pass	6.50	21.98	21.98	0.158	26.33	0.429	3
709MHz_16QAM_RB 1,#RB H	Pass	6.50	22.18	22.18	0.165	26.53	0.449	3
709MHz_16QAM_RB 25,#RB L	Pass	6.50	21.64	21.64	0.146	25.99	0.397	3
709MHz_16QAM_RB 25,#RB M	Pass	6.50	21.58	21.58	0.144	25.93	0.391	3
709MHz_16QAM_RB 25,#RB H	Pass	6.50	21.66	21.66	0.147	26.01	0.399	3
710MHz_16QAM_RB 50,#RB 0	Pass	6.50	21.58	21.58	0.144	25.93	0.391	3
710MHz_16QAM_RB 1,#RB L	Pass	6.50	22.12	22.12	0.163	26.47	0.443	3
710MHz_16QAM_RB 1,#RB M	Pass	6.50	22.05	22.05	0.160	26.40	0.436	3
710MHz_16QAM_RB 1,#RB H	Pass	6.50	22.09	22.09	0.162	26.44	0.440	3
710MHz_16QAM_RB 25,#RB L	Pass	6.50	21.58	21.58	0.144	25.93	0.391	3
710MHz_16QAM_RB 25,#RB M	Pass	6.50	21.61	21.61	0.145	25.96	0.394	3
710MHz_16QAM_RB 25,#RB H	Pass	6.50	21.61	21.61	0.145	25.96	0.394	3
711MHz_16QAM_RB 50,#RB 0	Pass	6.50	21.57	21.57	0.144	25.92	0.390	3
711MHz_16QAM_RB 1,#RB L	Pass	6.50	22.14	22.14	0.164	26.49	0.445	3
711MHz_16QAM_RB 1,#RB M	Pass	6.50	22.18	22.18	0.165	26.53	0.449	3
711MHz_16QAM_RB 1,#RB H	Pass	6.50	22.11	22.11	0.163	26.46	0.442	3
711MHz_16QAM_RB 25,#RB L	Pass	6.50	21.63	21.63	0.146	25.98	0.396	3
711MHz_16QAM_RB 25,#RB M	Pass	6.50	21.64	21.64	0.146	25.99	0.397	3
711MHz_16QAM_RB 25,#RB H	Pass	6.50	21.57	21.57	0.144	25.92	0.390	3
709MHz_64QAM_RB 50,#RB 0	Pass	6.50	21.52	21.52	0.142	25.87	0.386	3
709MHz_64QAM_RB 1,#RB L	Pass	6.50	22.07	22.07	0.161	26.42	0.438	3
709MHz_64QAM_RB 1,#RB M	Pass	6.50	21.85	21.85	0.153	26.20	0.416	3
709MHz_64QAM_RB 1,#RB H	Pass	6.50	22.19	22.19	0.166	26.54	0.450	3
709MHz_64QAM_RB 25,#RB L	Pass	6.50	21.64	21.64	0.146	25.99	0.397	3
709MHz_64QAM_RB 25,#RB M	Pass	6.50	21.57	21.57	0.144	25.92	0.390	3
709MHz_64QAM_RB 25,#RB H	Pass	6.50	21.68	21.68	0.147	26.03	0.400	3
710MHz_64QAM_RB 50,#RB 0	Pass	6.50	21.61	21.61	0.145	25.96	0.394	3
710MHz_64QAM_RB 1,#RB L	Pass	6.50	22.00	22.00	0.158	26.35	0.431	3
710MHz_64QAM_RB 1,#RB M	Pass	6.50	21.96	21.96	0.157	26.31	0.427	3
710MHz_64QAM_RB 1,#RB H	Pass	6.50	22.07	22.07	0.161	26.42	0.438	3
710MHz_64QAM_RB 25,#RB L	Pass	6.50	21.55	21.55	0.143	25.90	0.389	3
710MHz_64QAM_RB 25,#RB M	Pass	6.50	21.61	21.61	0.145	25.96	0.394	3
710MHz_64QAM_RB 25,#RB H	Pass	6.50	21.58	21.58	0.144	25.93	0.391	3
711MHz_64QAM_RB 50,#RB 0	Pass	6.50	21.57	21.57	0.144	25.92	0.390	3
711MHz_64QAM_RB 1,#RB L	Pass	6.50	21.97	21.97	0.157	26.32	0.428	3



## Average Power (Mode 10: LTE Band 17)

## Appendix A.10

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
711MHz_64QAM_RB 1,#RB M	Pass	6.50	22.04	22.04	0.160	26.39	0.435	3
711MHz_64QAM_RB 1,#RB H	Pass	6.50	21.86	21.86	0.153	26.21	0.417	3
711MHz_64QAM_RB 25,#RB L	Pass	6.50	21.61	21.61	0.145	25.96	0.394	3
711MHz_64QAM_RB 25,#RB M	Pass	6.50	21.65	21.65	0.146	26.00	0.398	3
711MHz_64QAM_RB 25,#RB H	Pass	6.50	21.56	21.56	0.143	25.91	0.389	3

DG = Directional Gain; Port n = Port n output power



Summary

Mode	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)
Band 25	-	-	-	-
LTE_1.4MHz_QPSK_1TX	23.25	0.211	30.75	1.189
LTE_1.4MHz_16QAM_1TX	22.61	0.182	30.11	1.026
LTE_1.4MHz_64QAM_1TX	22.45	0.176	29.95	0.989
LTE_3MHz_QPSK_1TX	23.28	0.213	30.78	1.197
LTE_3MHz_16QAM_1TX	22.60	0.182	30.10	1.023
LTE_3MHz_64QAM_1TX	22.49	0.177	29.99	0.998
LTE_5MHz_QPSK_1TX	23.38	0.218	30.88	1.225
LTE_5MHz_16QAM_1TX	22.66	0.185	30.16	1.038
LTE_5MHz_64QAM_1TX	22.49	0.177	29.99	0.998
LTE_10MHz_QPSK_1TX	23.35	0.216	30.85	1.216
LTE_10MHz_16QAM_1TX	22.66	0.185	30.16	1.038
LTE_10MHz_64QAM_1TX	22.52	0.179	30.02	1.005
LTE_15MHz_QPSK_1TX	23.37	0.217	30.87	1.222
LTE_15MHz_16QAM_1TX	22.66	0.185	30.16	1.038
LTE_15MHz_64QAM_1TX	22.55	0.180	30.05	1.012
LTE_20MHz_QPSK_1TX	23.38	0.218	30.88	1.225
LTE_20MHz_16QAM_1TX	22.64	0.184	30.14	1.033
LTE_20MHz_64QAM_1TX	22.61	0.182	30.11	1.026

DG = Directional Gain; Port n = Port n output power



Result

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
Band 25_LTE_1.4MHz_QPSK_1TX	-	-	-	-	-	-	-	-
1850.7MHz_RB 6,#RB 0	Pass	7.50	22.24	22.24	0.167	29.74	0.942	2
1850.7MHz_RB 1,#RB L	Pass	7.50	23.18	23.18	0.208	30.68	1.169	2
1850.7MHz_RB 1,#RB M	Pass	7.50	23.25	23.25	0.211	30.75	1.189	2
1850.7MHz_RB 1,#RB H	Pass	7.50	23.18	23.18	0.208	30.68	1.169	2
1850.7MHz_RB 3,#RB L	Pass	7.50	23.20	23.20	0.209	30.70	1.175	2
1850.7MHz_RB 3,#RB M	Pass	7.50	23.23	23.23	0.210	30.73	1.183	2
1850.7MHz_RB 3,#RB H	Pass	7.50	23.18	23.18	0.208	30.68	1.169	2
1882MHz_5MHz_RB 6,#RB 0	Pass	7.50	22.12	22.12	0.163	29.62	0.916	2
1882MHz_5MHz_RB 1,#RB L	Pass	7.50	23.04	23.04	0.201	30.54	1.132	2
1882MHz_5MHz_RB 1,#RB M	Pass	7.50	23.15	23.15	0.207	30.65	1.161	2
1882MHz_5MHz_RB 1,#RB H	Pass	7.50	23.04	23.04	0.201	30.54	1.132	2
1882MHz_5MHz_RB 3,#RB L	Pass	7.50	23.07	23.07	0.203	30.57	1.140	2
1882MHz_5MHz_RB 3,#RB M	Pass	7.50	23.12	23.12	0.205	30.62	1.153	2
1882MHz_5MHz_RB 3,#RB H	Pass	7.50	23.09	23.09	0.204	30.59	1.146	2
1914.3MHz_RB 6,#RB 0	Pass	7.50	22.02	22.02	0.159	29.52	0.895	2
1914.3MHz_RB 1,#RB L	Pass	7.50	23.02	23.02	0.200	30.52	1.127	2
1914.3MHz_RB 1,#RB M	Pass	7.50	23.11	23.11	0.205	30.61	1.151	2
1914.3MHz_RB 1,#RB H	Pass	7.50	23.04	23.04	0.201	30.54	1.132	2
1914.3MHz_RB 3,#RB L	Pass	7.50	23.06	23.06	0.202	30.56	1.138	2
1914.3MHz_RB 3,#RB M	Pass	7.50	23.11	23.11	0.205	30.61	1.151	2
1914.3MHz_RB 3,#RB H	Pass	7.50	23.07	23.07	0.203	30.57	1.140	2
Band 25_LTE_1.4MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1850.7MHz_RB 6,#RB 0	Pass	7.50	21.35	21.35	0.136	28.85	0.767	2
1850.7MHz_RB 1,#RB L	Pass	7.50	22.47	22.47	0.177	29.97	0.993	2
1850.7MHz_RB 1,#RB M	Pass	7.50	22.61	22.61	0.182	30.11	1.026	2
1850.7MHz_RB 1,#RB H	Pass	7.50	22.43	22.43	0.175	29.93	0.984	2
1850.7MHz_RB 3,#RB L	Pass	7.50	22.25	22.25	0.168	29.75	0.944	2
1850.7MHz_RB 3,#RB M	Pass	7.50	22.31	22.31	0.170	29.81	0.957	2
1850.7MHz_RB 3,#RB H	Pass	7.50	22.25	22.25	0.168	29.75	0.944	2
1882MHz_5MHz_RB 6,#RB 0	Pass	7.50	21.25	21.25	0.133	28.75	0.750	2
1882MHz_5MHz_RB 1,#RB L	Pass	7.50	22.32	22.32	0.171	29.82	0.959	2
1882MHz_5MHz_RB 1,#RB M	Pass	7.50	22.51	22.51	0.178	30.01	1.002	2
1882MHz_5MHz_RB 1,#RB H	Pass	7.50	22.38	22.38	0.173	29.88	0.973	2
1882MHz_5MHz_RB 3,#RB L	Pass	7.50	22.16	22.16	0.164	29.66	0.925	2
1882MHz_5MHz_RB 3,#RB M	Pass	7.50	22.20	22.20	0.166	29.70	0.933	2
1882MHz_5MHz_RB 3,#RB H	Pass	7.50	22.15	22.15	0.164	29.65	0.923	2
1914.3MHz_RB 6,#RB 0	Pass	7.50	21.27	21.27	0.134	28.77	0.753	2
1914.3MHz_RB 1,#RB L	Pass	7.50	22.35	22.35	0.172	29.85	0.966	2
1914.3MHz_RB 1,#RB M	Pass	7.50	22.53	22.53	0.179	30.03	1.007	2
1914.3MHz_RB 1,#RB H	Pass	7.50	22.34	22.34	0.171	29.84	0.964	2
1914.3MHz_RB 3,#RB L	Pass	7.50	22.19	22.19	0.166	29.69	0.931	2
1914.3MHz_RB 3,#RB M	Pass	7.50	22.22	22.22	0.167	29.72	0.938	2
1914.3MHz_RB 3,#RB H	Pass	7.50	22.17	22.17	0.165	29.67	0.927	2
Band 25_LTE_1.4MHz_64QAM_1TX	-	-	-	-	-	-	-	-
1850.7MHz_RB 6,#RB 0	Pass	7.50	21.28	21.28	0.134	28.78	0.755	2
1850.7MHz_RB 1,#RB L	Pass	7.50	22.38	22.38	0.173	29.88	0.973	2
1850.7MHz_RB 1,#RB M	Pass	7.50	22.45	22.45	0.176	29.95	0.989	2
1850.7MHz_RB 1,#RB H	Pass	7.50	22.41	22.41	0.174	29.91	0.979	2
1850.7MHz_RB 3,#RB L	Pass	7.50	22.25	22.25	0.168	29.75	0.944	2
1850.7MHz_RB 3,#RB M	Pass	7.50	22.34	22.34	0.171	29.84	0.964	2
1850.7MHz_RB 3,#RB H	Pass	7.50	22.24	22.24	0.167	29.74	0.942	2
1882MHz_5MHz_RB 6,#RB 0	Pass	7.50	21.17	21.17	0.131	28.67	0.736	2
1882MHz_5MHz_RB 1,#RB L	Pass	7.50	22.26	22.26	0.168	29.76	0.946	2
1882MHz_5MHz_RB 1,#RB M	Pass	7.50	22.35	22.35	0.172	29.85	0.966	2
1882MHz_5MHz_RB 1,#RB H	Pass	7.50	22.25	22.25	0.168	29.75	0.944	2
1882MHz_5MHz_RB 3,#RB L	Pass	7.50	22.18	22.18	0.165	29.68	0.929	2
1882MHz_5MHz_RB 3,#RB M	Pass	7.50	22.19	22.19	0.166	29.69	0.931	2
1882MHz_5MHz_RB 3,#RB H	Pass	7.50	22.17	22.17	0.165	29.67	0.927	2
1914.3MHz_RB 6,#RB 0	Pass	7.50	21.17	21.17	0.131	28.67	0.736	2
1914.3MHz_RB 1,#RB L	Pass	7.50	22.24	22.24	0.167	29.74	0.942	2



**Average Power (Mode 11: LTE Band 25)**

**Appendix A.11**

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1914.3MHz_RB 1,#RB M	Pass	7.50	22.37	22.37	0.173	29.87	0.971	2
1914.3MHz_RB 1,#RB H	Pass	7.50	22.26	22.26	0.168	29.76	0.946	2
1914.3MHz_RB 3,#RB L	Pass	7.50	22.18	22.18	0.165	29.68	0.929	2
1914.3MHz_RB 3,#RB M	Pass	7.50	22.18	22.18	0.165	29.68	0.929	2
1914.3MHz_RB 3,#RB H	Pass	7.50	22.19	22.19	0.166	29.69	0.931	2
Band 25_LTE_3MHz_OPSK_1TX	-	-	-	-	-	-	-	-
1851.5MHz_RB 15,#RB 0	Pass	7.50	22.33	22.33	0.171	29.83	0.962	2
1851.5MHz_RB 1,#RB L	Pass	7.50	23.25	23.25	0.211	30.75	1.189	2
1851.5MHz_RB 1,#RB M	Pass	7.50	23.28	23.28	0.213	30.78	1.197	2
1851.5MHz_RB 1,#RB H	Pass	7.50	23.25	23.25	0.211	30.75	1.189	2
1851.5MHz_RB 8,#RB L	Pass	7.50	22.34	22.34	0.171	29.84	0.964	2
1851.5MHz_RB 8,#RB M	Pass	7.50	22.38	22.38	0.173	29.88	0.973	2
1851.5MHz_RB 8,#RB H	Pass	7.50	22.30	22.30	0.170	29.80	0.955	2
1882MHz,5MHz_RB 15,#RB 0	Pass	7.50	22.21	22.21	0.166	29.71	0.935	2
1882MHz,5MHz_RB 1,#RB L	Pass	7.50	23.16	23.16	0.207	30.66	1.164	2
1882MHz,5MHz_RB 1,#RB M	Pass	7.50	23.18	23.18	0.208	30.68	1.169	2
1882MHz,5MHz_RB 1,#RB H	Pass	7.50	23.16	23.16	0.207	30.66	1.164	2
1882MHz,5MHz_RB 8,#RB L	Pass	7.50	22.26	22.26	0.168	29.76	0.946	2
1882MHz,5MHz_RB 8,#RB M	Pass	7.50	22.30	22.30	0.170	29.80	0.955	2
1882MHz,5MHz_RB 8,#RB H	Pass	7.50	22.26	22.26	0.168	29.76	0.946	2
1913.5MHz_RB 15,#RB 0	Pass	7.50	22.16	22.16	0.164	29.66	0.925	2
1913.5MHz_RB 1,#RB L	Pass	7.50	23.10	23.10	0.204	30.60	1.148	2
1913.5MHz_RB 1,#RB M	Pass	7.50	23.14	23.14	0.206	30.64	1.159	2
1913.5MHz_RB 1,#RB H	Pass	7.50	23.07	23.07	0.203	30.57	1.140	2
1913.5MHz_RB 8,#RB L	Pass	7.50	22.17	22.17	0.165	29.67	0.927	2
1913.5MHz_RB 8,#RB M	Pass	7.50	22.22	22.22	0.167	29.72	0.938	2
1913.5MHz_RB 8,#RB H	Pass	7.50	22.18	22.18	0.165	29.68	0.929	2
Band 25_LTE_3MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1851.5MHz_RB 15,#RB 0	Pass	7.50	21.41	21.41	0.138	28.91	0.778	2
1851.5MHz_RB 1,#RB L	Pass	7.50	22.56	22.56	0.180	30.06	1.014	2
1851.5MHz_RB 1,#RB M	Pass	7.50	22.60	22.60	0.182	30.10	1.023	2
1851.5MHz_RB 1,#RB H	Pass	7.50	22.52	22.52	0.179	30.02	1.005	2
1851.5MHz_RB 8,#RB L	Pass	7.50	21.43	21.43	0.139	28.93	0.782	2
1851.5MHz_RB 8,#RB M	Pass	7.50	21.47	21.47	0.140	28.97	0.789	2
1851.5MHz_RB 8,#RB H	Pass	7.50	21.42	21.42	0.139	28.92	0.780	2
1882MHz,5MHz_RB 15,#RB 0	Pass	7.50	21.29	21.29	0.135	28.79	0.757	2
1882MHz,5MHz_RB 1,#RB L	Pass	7.50	22.49	22.49	0.177	29.99	0.998	2
1882MHz,5MHz_RB 1,#RB M	Pass	7.50	22.56	22.56	0.180	30.06	1.014	2
1882MHz,5MHz_RB 1,#RB H	Pass	7.50	22.46	22.46	0.176	29.96	0.991	2
1882MHz,5MHz_RB 8,#RB L	Pass	7.50	21.36	21.36	0.137	28.86	0.769	2
1882MHz,5MHz_RB 8,#RB M	Pass	7.50	21.39	21.39	0.138	28.89	0.774	2
1882MHz,5MHz_RB 8,#RB H	Pass	7.50	21.36	21.36	0.137	28.86	0.769	2
1913.5MHz_RB 15,#RB 0	Pass	7.50	21.27	21.27	0.134	28.77	0.753	2
1913.5MHz_RB 1,#RB L	Pass	7.50	22.42	22.42	0.175	29.92	0.982	2
1913.5MHz_RB 1,#RB M	Pass	7.50	22.44	22.44	0.175	29.94	0.986	2
1913.5MHz_RB 1,#RB H	Pass	7.50	22.36	22.36	0.172	29.86	0.968	2
1913.5MHz_RB 8,#RB L	Pass	7.50	21.34	21.34	0.136	28.84	0.766	2
1913.5MHz_RB 8,#RB M	Pass	7.50	21.36	21.36	0.137	28.86	0.769	2
1913.5MHz_RB 8,#RB H	Pass	7.50	21.33	21.33	0.136	28.83	0.764	2
Band 25_LTE_3MHz_64QAM_1TX	-	-	-	-	-	-	-	-
1851.5MHz_RB 15,#RB 0	Pass	7.50	21.39	21.39	0.138	28.89	0.774	2
1851.5MHz_RB 1,#RB L	Pass	7.50	22.48	22.48	0.177	29.98	0.995	2
1851.5MHz_RB 1,#RB M	Pass	7.50	22.49	22.49	0.177	29.99	0.998	2
1851.5MHz_RB 1,#RB H	Pass	7.50	22.44	22.44	0.175	29.94	0.986	2
1851.5MHz_RB 8,#RB L	Pass	7.50	21.35	21.35	0.136	28.85	0.767	2
1851.5MHz_RB 8,#RB M	Pass	7.50	21.38	21.38	0.137	28.88	0.773	2
1851.5MHz_RB 8,#RB H	Pass	7.50	21.30	21.30	0.135	28.80	0.759	2
1882MHz,5MHz_RB 15,#RB 0	Pass	7.50	21.27	21.27	0.134	28.77	0.753	2
1882MHz,5MHz_RB 1,#RB L	Pass	7.50	22.36	22.36	0.172	29.86	0.968	2
1882MHz,5MHz_RB 1,#RB M	Pass	7.50	22.43	22.43	0.175	29.93	0.984	2
1882MHz,5MHz_RB 1,#RB H	Pass	7.50	22.34	22.34	0.171	29.84	0.964	2
1882MHz,5MHz_RB 8,#RB L	Pass	7.50	21.30	21.30	0.135	28.80	0.759	2





**Average Power (Mode 11: LTE Band 25)**

**Appendix A.11**

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1882MHz,5MHz_RB 8,#RB M	Pass	7.50	21.32	21.32	0.136	28.82	0.762	2
1882MHz,5MHz_RB 8,#RB H	Pass	7.50	21.26	21.26	0.134	28.76	0.752	2
1913.5MHz_RB 15,#RB 0	Pass	7.50	21.24	21.24	0.133	28.74	0.748	2
1913.5MHz_RB 1,#RB L	Pass	7.50	22.35	22.35	0.172	29.85	0.966	2
1913.5MHz_RB 1,#RB M	Pass	7.50	22.38	22.38	0.173	29.88	0.973	2
1913.5MHz_RB 1,#RB H	Pass	7.50	22.26	22.26	0.168	29.76	0.946	2
1913.5MHz_RB 8,#RB L	Pass	7.50	21.30	21.30	0.135	28.80	0.759	2
1913.5MHz_RB 8,#RB M	Pass	7.50	21.34	21.34	0.136	28.84	0.766	2
1913.5MHz_RB 8,#RB H	Pass	7.50	21.28	21.28	0.134	28.78	0.755	2
Band 25_LTE_5MHz_OPSK_1TX	-	-	-	-	-	-	-	-
1852.5MHz_RB 25,#RB 0	Pass	7.50	22.37	22.37	0.173	29.87	0.971	2
1852.5MHz_RB 1,#RB L	Pass	7.50	23.34	23.34	0.216	30.84	1.213	2
1852.5MHz_RB 1,#RB M	Pass	7.50	23.38	23.38	0.218	30.88	1.225	2
1852.5MHz_RB 1,#RB H	Pass	7.50	23.34	23.34	0.216	30.84	1.213	2
1852.5MHz_RB 12,#RB L	Pass	7.50	22.37	22.37	0.173	29.87	0.971	2
1852.5MHz_RB 12,#RB M	Pass	7.50	22.39	22.39	0.173	29.89	0.975	2
1852.5MHz_RB 12,#RB H	Pass	7.50	22.38	22.38	0.173	29.88	0.973	2
1882MHz,5MHz_RB 25,#RB 0	Pass	7.50	22.25	22.25	0.168	29.75	0.944	2
1882MHz,5MHz_RB 1,#RB L	Pass	7.50	23.22	23.22	0.210	30.72	1.180	2
1882MHz,5MHz_RB 1,#RB M	Pass	7.50	23.29	23.29	0.213	30.79	1.199	2
1882MHz,5MHz_RB 1,#RB H	Pass	7.50	23.18	23.18	0.208	30.68	1.169	2
1882MHz,5MHz_RB 12,#RB L	Pass	7.50	22.29	22.29	0.169	29.79	0.953	2
1882MHz,5MHz_RB 12,#RB M	Pass	7.50	22.32	22.32	0.171	29.82	0.959	2
1882MHz,5MHz_RB 12,#RB H	Pass	7.50	22.29	22.29	0.169	29.79	0.953	2
1912.5MHz_RB 25,#RB 0	Pass	7.50	22.19	22.19	0.166	29.69	0.931	2
1912.5MHz_RB 1,#RB L	Pass	7.50	23.13	23.13	0.206	30.63	1.156	2
1912.5MHz_RB 1,#RB M	Pass	7.50	23.27	23.27	0.212	30.77	1.194	2
1912.5MHz_RB 1,#RB H	Pass	7.50	23.05	23.05	0.202	30.55	1.135	2
1912.5MHz_RB 12,#RB L	Pass	7.50	22.25	22.25	0.168	29.75	0.944	2
1912.5MHz_RB 12,#RB M	Pass	7.50	22.22	22.22	0.167	29.72	0.938	2
1912.5MHz_RB 12,#RB H	Pass	7.50	22.18	22.18	0.165	29.68	0.929	2
Band 25_LTE_5MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1852.5MHz_RB 25,#RB 0	Pass	7.50	21.42	21.42	0.139	28.92	0.780	2
1852.5MHz_RB 1,#RB L	Pass	7.50	22.61	22.61	0.182	30.11	1.026	2
1852.5MHz_RB 1,#RB M	Pass	7.50	22.66	22.66	0.185	30.16	1.038	2
1852.5MHz_RB 1,#RB H	Pass	7.50	22.58	22.58	0.181	30.08	1.019	2
1852.5MHz_RB 12,#RB L	Pass	7.50	21.38	21.38	0.137	28.88	0.773	2
1852.5MHz_RB 12,#RB M	Pass	7.50	21.39	21.39	0.138	28.89	0.774	2
1852.5MHz_RB 12,#RB H	Pass	7.50	21.37	21.37	0.137	28.87	0.771	2
1882MHz,5MHz_RB 25,#RB 0	Pass	7.50	21.28	21.28	0.134	28.78	0.755	2
1882MHz,5MHz_RB 1,#RB L	Pass	7.50	22.48	22.48	0.177	29.98	0.995	2
1882MHz,5MHz_RB 1,#RB M	Pass	7.50	22.57	22.57	0.181	30.07	1.016	2
1882MHz,5MHz_RB 1,#RB H	Pass	7.50	22.49	22.49	0.177	29.99	0.998	2
1882MHz,5MHz_RB 12,#RB L	Pass	7.50	21.29	21.29	0.135	28.79	0.757	2
1882MHz,5MHz_RB 12,#RB M	Pass	7.50	21.33	21.33	0.136	28.83	0.764	2
1882MHz,5MHz_RB 12,#RB H	Pass	7.50	21.29	21.29	0.135	28.79	0.757	2
1912.5MHz_RB 25,#RB 0	Pass	7.50	21.26	21.26	0.134	28.76	0.752	2
1912.5MHz_RB 1,#RB L	Pass	7.50	22.48	22.48	0.177	29.98	0.995	2
1912.5MHz_RB 1,#RB M	Pass	7.50	22.57	22.57	0.181	30.07	1.016	2
1912.5MHz_RB 1,#RB H	Pass	7.50	22.39	22.39	0.173	29.89	0.975	2
1912.5MHz_RB 12,#RB L	Pass	7.50	21.29	21.29	0.135	28.79	0.757	2
1912.5MHz_RB 12,#RB M	Pass	7.50	21.34	21.34	0.136	28.84	0.766	2
1912.5MHz_RB 12,#RB H	Pass	7.50	21.26	21.26	0.134	28.76	0.752	2
Band 25_LTE_5MHz_64QAM_1TX	-	-	-	-	-	-	-	-
1852.5MHz_RB 25,#RB 0	Pass	7.50	21.39	21.39	0.138	28.89	0.774	2
1852.5MHz_RB 1,#RB L	Pass	7.50	22.45	22.45	0.176	29.95	0.989	2
1852.5MHz_RB 1,#RB M	Pass	7.50	22.49	22.49	0.177	29.99	0.998	2
1852.5MHz_RB 1,#RB H	Pass	7.50	22.44	22.44	0.175	29.94	0.986	2
1852.5MHz_RB 12,#RB L	Pass	7.50	21.34	21.34	0.136	28.84	0.766	2
1852.5MHz_RB 12,#RB M	Pass	7.50	21.35	21.35	0.136	28.85	0.767	2
1852.5MHz_RB 12,#RB H	Pass	7.50	21.32	21.32	0.136	28.82	0.762	2
1882MHz,5MHz_RB 25,#RB 0	Pass	7.50	21.24	21.24	0.133	28.74	0.748	2

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1882MHz,5MHz_RB 1,#RB L	Pass	7.50	22.36	22.36	0.172	29.86	0.968	2
1882MHz,5MHz_RB 1,#RB M	Pass	7.50	22.43	22.43	0.175	29.93	0.984	2
1882MHz,5MHz_RB 1,#RB H	Pass	7.50	22.36	22.36	0.172	29.86	0.968	2
1882MHz,5MHz_RB 12,#RB L	Pass	7.50	21.26	21.26	0.134	28.76	0.752	2
1882MHz,5MHz_RB 12,#RB M	Pass	7.50	21.29	21.29	0.135	28.79	0.757	2
1882MHz,5MHz_RB 12,#RB H	Pass	7.50	21.26	21.26	0.134	28.76	0.752	2
1912.5MHz_RB 25,#RB 0	Pass	7.50	21.23	21.23	0.133	28.73	0.746	2
1912.5MHz_RB 1,#RB L	Pass	7.50	22.35	22.35	0.172	29.85	0.966	2
1912.5MHz_RB 1,#RB M	Pass	7.50	22.44	22.44	0.175	29.94	0.986	2
1912.5MHz_RB 1,#RB H	Pass	7.50	22.26	22.26	0.168	29.76	0.946	2
1912.5MHz_RB 12,#RB L	Pass	7.50	21.24	21.24	0.133	28.74	0.748	2
1912.5MHz_RB 12,#RB M	Pass	7.50	21.27	21.27	0.134	28.77	0.753	2
1912.5MHz_RB 12,#RB H	Pass	7.50	21.21	21.21	0.132	28.71	0.743	2
Band 25_LTE_10MHz_OPSK_1TX	-	-	-	-	-	-	-	-
1855MHz_RB 50,#RB 0	Pass	7.50	22.35	22.35	0.172	29.85	0.966	2
1855MHz_RB 1,#RB L	Pass	7.50	23.30	23.30	0.214	30.80	1.202	2
1855MHz_RB 1,#RB M	Pass	7.50	23.35	23.35	0.216	30.85	1.216	2
1855MHz_RB 1,#RB H	Pass	7.50	23.34	23.34	0.216	30.84	1.213	2
1855MHz_RB 25,#RB L	Pass	7.50	22.35	22.35	0.172	29.85	0.966	2
1855MHz_RB 25,#RB M	Pass	7.50	22.42	22.42	0.175	29.92	0.982	2
1855MHz_RB 25,#RB H	Pass	7.50	22.40	22.40	0.174	29.90	0.977	2
1882MHz,5MHz_RB 50,#RB 0	Pass	7.50	22.36	22.36	0.172	29.86	0.968	2
1882MHz,5MHz_RB 1,#RB L	Pass	7.50	23.23	23.23	0.210	30.73	1.183	2
1882MHz,5MHz_RB 1,#RB M	Pass	7.50	23.34	23.34	0.216	30.84	1.213	2
1882MHz,5MHz_RB 1,#RB H	Pass	7.50	23.27	23.27	0.212	30.77	1.194	2
1882MHz,5MHz_RB 25,#RB L	Pass	7.50	22.34	22.34	0.171	29.84	0.964	2
1882MHz,5MHz_RB 25,#RB M	Pass	7.50	22.40	22.40	0.174	29.90	0.977	2
1882MHz,5MHz_RB 25,#RB H	Pass	7.50	22.33	22.33	0.171	29.83	0.962	2
1910MHz_RB 50,#RB 0	Pass	7.50	22.18	22.18	0.165	29.68	0.929	2
1910MHz_RB 1,#RB L	Pass	7.50	23.19	23.19	0.208	30.69	1.172	2
1910MHz_RB 1,#RB M	Pass	7.50	23.20	23.20	0.209	30.70	1.175	2
1910MHz_RB 1,#RB H	Pass	7.50	23.09	23.09	0.204	30.59	1.146	2
1910MHz_RB 25,#RB L	Pass	7.50	22.13	22.13	0.163	29.63	0.918	2
1910MHz_RB 25,#RB M	Pass	7.50	22.26	22.26	0.168	29.76	0.946	2
1910MHz_RB 25,#RB H	Pass	7.50	22.19	22.19	0.166	29.69	0.931	2
Band 25_LTE_10MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1855MHz_RB 50,#RB 0	Pass	7.50	21.43	21.43	0.139	28.93	0.782	2
1855MHz_RB 1,#RB L	Pass	7.50	22.54	22.54	0.179	30.04	1.009	2
1855MHz_RB 1,#RB M	Pass	7.50	22.66	22.66	0.185	30.16	1.038	2
1855MHz_RB 1,#RB H	Pass	7.50	22.65	22.65	0.184	30.15	1.035	2
1855MHz_RB 25,#RB L	Pass	7.50	21.40	21.40	0.138	28.90	0.776	2
1855MHz_RB 25,#RB M	Pass	7.50	21.45	21.45	0.140	28.95	0.785	2
1855MHz_RB 25,#RB H	Pass	7.50	21.45	21.45	0.140	28.95	0.785	2
1882MHz,5MHz_RB 50,#RB 0	Pass	7.50	21.41	21.41	0.138	28.91	0.778	2
1882MHz,5MHz_RB 1,#RB L	Pass	7.50	22.57	22.57	0.181	30.07	1.016	2
1882MHz,5MHz_RB 1,#RB M	Pass	7.50	22.63	22.63	0.183	30.13	1.030	2
1882MHz,5MHz_RB 1,#RB H	Pass	7.50	22.55	22.55	0.180	30.05	1.012	2
1882MHz,5MHz_RB 25,#RB L	Pass	7.50	21.39	21.39	0.138	28.89	0.774	2
1882MHz,5MHz_RB 25,#RB M	Pass	7.50	21.48	21.48	0.141	28.98	0.791	2
1882MHz,5MHz_RB 25,#RB H	Pass	7.50	21.41	21.41	0.138	28.91	0.778	2
1910MHz_RB 50,#RB 0	Pass	7.50	21.28	21.28	0.134	28.78	0.755	2
1910MHz_RB 1,#RB L	Pass	7.50	22.53	22.53	0.179	30.03	1.007	2
1910MHz_RB 1,#RB M	Pass	7.50	22.53	22.53	0.179	30.03	1.007	2
1910MHz_RB 1,#RB H	Pass	7.50	22.54	22.54	0.179	30.04	1.009	2
1910MHz_RB 25,#RB L	Pass	7.50	21.27	21.27	0.134	28.77	0.753	2
1910MHz_RB 25,#RB M	Pass	7.50	21.31	21.31	0.135	28.81	0.760	2
1910MHz_RB 25,#RB H	Pass	7.50	21.28	21.28	0.134	28.78	0.755	2
Band 25_LTE_10MHz_64QAM_1TX	-	-	-	-	-	-	-	-
1855MHz_RB 50,#RB 0	Pass	7.50	21.40	21.40	0.138	28.90	0.776	2
1855MHz_RB 1,#RB L	Pass	7.50	22.45	22.45	0.176	29.95	0.989	2
1855MHz_RB 1,#RB M	Pass	7.50	22.52	22.52	0.179	30.02	1.005	2
1855MHz_RB 1,#RB H	Pass	7.50	22.49	22.49	0.177	29.99	0.998	2



**Average Power (Mode 11: LTE Band 25)**

**Appendix A.11**

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1855MHz_RB 25,#RB L	Pass	7.50	21.41	21.41	0.138	28.91	0.778	2
1855MHz_RB 25,#RB M	Pass	7.50	21.43	21.43	0.139	28.93	0.782	2
1855MHz_RB 25,#RB H	Pass	7.50	21.44	21.44	0.139	28.94	0.783	2
1882MHz,5MHz_RB 50,#RB 0	Pass	7.50	21.41	21.41	0.138	28.91	0.778	2
1882MHz,5MHz_RB 1,#RB L	Pass	7.50	22.47	22.47	0.177	29.97	0.993	2
1882MHz,5MHz_RB 1,#RB M	Pass	7.50	22.50	22.50	0.178	30.00	1.000	2
1882MHz,5MHz_RB 1,#RB H	Pass	7.50	22.48	22.48	0.177	29.98	0.995	2
1882MHz,5MHz_RB 25,#RB L	Pass	7.50	21.36	21.36	0.137	28.86	0.769	2
1882MHz,5MHz_RB 25,#RB M	Pass	7.50	21.48	21.48	0.141	28.98	0.791	2
1882MHz,5MHz_RB 25,#RB H	Pass	7.50	21.40	21.40	0.138	28.90	0.776	2
1910MHz_RB 50,#RB 0	Pass	7.50	21.22	21.22	0.132	28.72	0.745	2
1910MHz_RB 1,#RB L	Pass	7.50	22.44	22.44	0.175	29.94	0.986	2
1910MHz_RB 1,#RB M	Pass	7.50	22.44	22.44	0.175	29.94	0.986	2
1910MHz_RB 1,#RB H	Pass	7.50	22.41	22.41	0.174	29.91	0.979	2
1910MHz_RB 25,#RB L	Pass	7.50	21.25	21.25	0.133	28.75	0.750	2
1910MHz_RB 25,#RB M	Pass	7.50	21.32	21.32	0.136	28.82	0.762	2
1910MHz_RB 25,#RB H	Pass	7.50	21.29	21.29	0.135	28.79	0.757	2
Band 25_LTE_15MHz_OPSK_1TX	-	-	-	-	-	-	-	-
1857.5MHz_RB 75,#RB 0	Pass	7.50	22.40	22.40	0.174	29.90	0.977	2
1857.5MHz_RB 1,#RB L	Pass	7.50	23.37	23.37	0.217	30.87	1.222	2
1857.5MHz_RB 1,#RB M	Pass	7.50	23.33	23.33	0.215	30.83	1.211	2
1857.5MHz_RB 1,#RB H	Pass	7.50	23.24	23.24	0.211	30.74	1.186	2
1857.5MHz_RB 36,#RB L	Pass	7.50	22.43	22.43	0.175	29.93	0.984	2
1857.5MHz_RB 36,#RB M	Pass	7.50	22.44	22.44	0.175	29.94	0.986	2
1857.5MHz_RB 36,#RB H	Pass	7.50	22.39	22.39	0.173	29.89	0.975	2
1882MHz,5MHz_RB 75,#RB 0	Pass	7.50	22.34	22.34	0.171	29.84	0.964	2
1882MHz,5MHz_RB 1,#RB L	Pass	7.50	23.34	23.34	0.216	30.84	1.213	2
1882MHz,5MHz_RB 1,#RB M	Pass	7.50	23.20	23.20	0.209	30.70	1.175	2
1882MHz,5MHz_RB 1,#RB H	Pass	7.50	23.22	23.22	0.210	30.72	1.180	2
1882MHz,5MHz_RB 36,#RB L	Pass	7.50	22.43	22.43	0.175	29.93	0.984	2
1882MHz,5MHz_RB 36,#RB M	Pass	7.50	22.32	22.32	0.171	29.82	0.959	2
1882MHz,5MHz_RB 36,#RB H	Pass	7.50	22.40	22.40	0.174	29.90	0.977	2
1907.5MHz_RB 75,#RB 0	Pass	7.50	22.27	22.27	0.169	29.77	0.948	2
1907.5MHz_RB 1,#RB L	Pass	7.50	23.27	23.27	0.212	30.77	1.194	2
1907.5MHz_RB 1,#RB M	Pass	7.50	23.02	23.02	0.200	30.52	1.127	2
1907.5MHz_RB 1,#RB H	Pass	7.50	23.03	23.03	0.201	30.53	1.130	2
1907.5MHz_RB 36,#RB L	Pass	7.50	22.23	22.23	0.167	29.73	0.940	2
1907.5MHz_RB 36,#RB M	Pass	7.50	22.26	22.26	0.168	29.76	0.946	2
1907.5MHz_RB 36,#RB H	Pass	7.50	22.23	22.23	0.167	29.73	0.940	2
Band 25_LTE_15MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1857.5MHz_RB 75,#RB 0	Pass	7.50	21.44	21.44	0.139	28.94	0.783	2
1857.5MHz_RB 1,#RB L	Pass	7.50	22.66	22.66	0.185	30.16	1.038	2
1857.5MHz_RB 1,#RB M	Pass	7.50	22.52	22.52	0.179	30.02	1.005	2
1857.5MHz_RB 1,#RB H	Pass	7.50	22.51	22.51	0.178	30.01	1.002	2
1857.5MHz_RB 36,#RB L	Pass	7.50	21.45	21.45	0.140	28.95	0.785	2
1857.5MHz_RB 36,#RB M	Pass	7.50	21.47	21.47	0.140	28.97	0.789	2
1857.5MHz_RB 36,#RB H	Pass	7.50	21.43	21.43	0.139	28.93	0.782	2
1882MHz,5MHz_RB 75,#RB 0	Pass	7.50	21.40	21.40	0.138	28.90	0.776	2
1882MHz,5MHz_RB 1,#RB L	Pass	7.50	22.61	22.61	0.182	30.11	1.026	2
1882MHz,5MHz_RB 1,#RB M	Pass	7.50	22.49	22.49	0.177	29.99	0.998	2
1882MHz,5MHz_RB 1,#RB H	Pass	7.50	22.56	22.56	0.180	30.06	1.014	2
1882MHz,5MHz_RB 36,#RB L	Pass	7.50	21.47	21.47	0.140	28.97	0.789	2
1882MHz,5MHz_RB 36,#RB M	Pass	7.50	21.40	21.40	0.138	28.90	0.776	2
1882MHz,5MHz_RB 36,#RB H	Pass	7.50	21.44	21.44	0.139	28.94	0.783	2
1907.5MHz_RB 75,#RB 0	Pass	7.50	21.29	21.29	0.135	28.79	0.757	2
1907.5MHz_RB 1,#RB L	Pass	7.50	22.59	22.59	0.182	30.09	1.021	2
1907.5MHz_RB 1,#RB M	Pass	7.50	22.55	22.55	0.180	30.05	1.012	2
1907.5MHz_RB 1,#RB H	Pass	7.50	22.41	22.41	0.174	29.91	0.979	2
1907.5MHz_RB 36,#RB L	Pass	7.50	21.26	21.26	0.134	28.76	0.752	2
1907.5MHz_RB 36,#RB M	Pass	7.50	21.38	21.38	0.137	28.88	0.773	2
1907.5MHz_RB 36,#RB H	Pass	7.50	21.30	21.30	0.135	28.80	0.759	2
Band 25_LTE_15MHz_64QAM_1TX	-	-	-	-	-	-	-	-

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1857.5MHz_RB 75,#RB 0	Pass	7.50	21.43	21.43	0.139	28.93	0.782	2
1857.5MHz_RB 1,#RB L	Pass	7.50	22.55	22.55	0.180	30.05	1.012	2
1857.5MHz_RB 1,#RB M	Pass	7.50	22.51	22.51	0.178	30.01	1.002	2
1857.5MHz_RB 1,#RB H	Pass	7.50	22.40	22.40	0.174	29.90	0.977	2
1857.5MHz_RB 36,#RB L	Pass	7.50	21.43	21.43	0.139	28.93	0.782	2
1857.5MHz_RB 36,#RB M	Pass	7.50	21.46	21.46	0.140	28.96	0.787	2
1857.5MHz_RB 36,#RB H	Pass	7.50	21.42	21.42	0.139	28.92	0.780	2
1882MHz,5MHz_RB 75,#RB 0	Pass	7.50	21.40	21.40	0.138	28.90	0.776	2
1882MHz,5MHz_RB 1,#RB L	Pass	7.50	22.51	22.51	0.178	30.01	1.002	2
1882MHz,5MHz_RB 1,#RB M	Pass	7.50	22.42	22.42	0.175	29.92	0.982	2
1882MHz,5MHz_RB 1,#RB H	Pass	7.50	22.46	22.46	0.176	29.96	0.991	2
1882MHz,5MHz_RB 36,#RB L	Pass	7.50	21.48	21.48	0.141	28.98	0.791	2
1882MHz,5MHz_RB 36,#RB M	Pass	7.50	21.38	21.38	0.137	28.88	0.773	2
1882MHz,5MHz_RB 36,#RB H	Pass	7.50	21.44	21.44	0.139	28.94	0.783	2
1907.5MHz_RB 75,#RB 0	Pass	7.50	21.28	21.28	0.134	28.78	0.755	2
1907.5MHz_RB 1,#RB L	Pass	7.50	22.48	22.48	0.177	29.98	0.995	2
1907.5MHz_RB 1,#RB M	Pass	7.50	22.36	22.36	0.172	29.86	0.968	2
1907.5MHz_RB 1,#RB H	Pass	7.50	22.29	22.29	0.169	29.79	0.953	2
1907.5MHz_RB 36,#RB L	Pass	7.50	21.26	21.26	0.134	28.76	0.752	2
1907.5MHz_RB 36,#RB M	Pass	7.50	21.37	21.37	0.137	28.87	0.771	2
1907.5MHz_RB 36,#RB H	Pass	7.50	21.30	21.30	0.135	28.80	0.759	2
Band 25_LTE_20MHz_OPSK_1TX	-	-	-	-	-	-	-	-
1860MHz_RB 100,#RB 0	Pass	7.50	22.31	22.31	0.170	29.81	0.957	2
1860MHz_RB 1,#RB L	Pass	7.50	23.25	23.25	0.211	30.75	1.189	2
1860MHz_RB 1,#RB M	Pass	7.50	23.38	23.38	0.218	30.88	1.225	2
1860MHz_RB 1,#RB H	Pass	7.50	23.23	23.23	0.210	30.73	1.183	2
1860MHz_RB 50,#RB L	Pass	7.50	22.39	22.39	0.173	29.89	0.975	2
1860MHz_RB 50,#RB M	Pass	7.50	22.43	22.43	0.175	29.93	0.984	2
1860MHz_RB 50,#RB H	Pass	7.50	22.26	22.26	0.168	29.76	0.946	2
1882MHz,5MHz_RB 100,#RB 0	Pass	7.50	22.35	22.35	0.172	29.85	0.966	2
1882MHz,5MHz_RB 1,#RB L	Pass	7.50	23.27	23.27	0.212	30.77	1.194	2
1882MHz,5MHz_RB 1,#RB M	Pass	7.50	23.34	23.34	0.216	30.84	1.213	2
1882MHz,5MHz_RB 1,#RB H	Pass	7.50	23.16	23.16	0.207	30.66	1.164	2
1882MHz,5MHz_RB 50,#RB L	Pass	7.50	22.28	22.28	0.169	29.78	0.951	2
1882MHz,5MHz_RB 50,#RB M	Pass	7.50	22.44	22.44	0.175	29.94	0.986	2
1882MHz,5MHz_RB 50,#RB H	Pass	7.50	22.26	22.26	0.168	29.76	0.946	2
1905MHz_RB 100,#RB 0	Pass	7.50	22.36	22.36	0.172	29.86	0.968	2
1905MHz_RB 1,#RB L	Pass	7.50	23.16	23.16	0.207	30.66	1.164	2
1905MHz_RB 1,#RB M	Pass	7.50	23.16	23.16	0.207	30.66	1.164	2
1905MHz_RB 1,#RB H	Pass	7.50	23.16	23.16	0.207	30.66	1.164	2
1905MHz_RB 50,#RB L	Pass	7.50	22.27	22.27	0.169	29.77	0.948	2
1905MHz_RB 50,#RB M	Pass	7.50	22.22	22.22	0.167	29.72	0.938	2
1905MHz_RB 50,#RB H	Pass	7.50	22.18	22.18	0.165	29.68	0.929	2
Band 25_LTE_20MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1860MHz_RB 100,#RB 0	Pass	7.50	21.34	21.34	0.136	28.84	0.766	2
1860MHz_RB 1,#RB L	Pass	7.50	22.53	22.53	0.179	30.03	1.007	2
1860MHz_RB 1,#RB M	Pass	7.50	22.64	22.64	0.184	30.14	1.033	2
1860MHz_RB 1,#RB H	Pass	7.50	22.60	22.60	0.182	30.10	1.023	2
1860MHz_RB 50,#RB L	Pass	7.50	21.44	21.44	0.139	28.94	0.783	2
1860MHz_RB 50,#RB M	Pass	7.50	21.49	21.49	0.141	28.99	0.793	2
1860MHz_RB 50,#RB H	Pass	7.50	21.30	21.30	0.135	28.80	0.759	2
1882MHz,5MHz_RB 100,#RB 0	Pass	7.50	21.43	21.43	0.139	28.93	0.782	2
1882MHz,5MHz_RB 1,#RB L	Pass	7.50	22.58	22.58	0.181	30.08	1.019	2
1882MHz,5MHz_RB 1,#RB M	Pass	7.50	22.60	22.60	0.182	30.10	1.023	2
1882MHz,5MHz_RB 1,#RB H	Pass	7.50	22.49	22.49	0.177	29.99	0.998	2
1882MHz,5MHz_RB 50,#RB L	Pass	7.50	21.34	21.34	0.136	28.84	0.766	2
1882MHz,5MHz_RB 50,#RB M	Pass	7.50	21.49	21.49	0.141	28.99	0.793	2
1882MHz,5MHz_RB 50,#RB H	Pass	7.50	21.36	21.36	0.137	28.86	0.769	2
1905MHz_RB 100,#RB 0	Pass	7.50	21.38	21.38	0.137	28.88	0.773	2
1905MHz_RB 1,#RB L	Pass	7.50	22.49	22.49	0.177	29.99	0.998	2
1905MHz_RB 1,#RB M	Pass	7.50	22.52	22.52	0.179	30.02	1.005	2
1905MHz_RB 1,#RB H	Pass	7.50	22.35	22.35	0.172	29.85	0.966	2



**Average Power (Mode 11: LTE Band 25)**

**Appendix A.11**

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1905MHz_RB 50,#RB L	Pass	7.50	21.33	21.33	0.136	28.83	0.764	2
1905MHz_RB 50,#RB M	Pass	7.50	21.27	21.27	0.134	28.77	0.753	2
1905MHz_RB 50,#RB H	Pass	7.50	21.24	21.24	0.133	28.74	0.748	2
Band 25_LTE_20MHz_64QAM_1TX	-	-	-	-	-	-	-	-
1860MHz_RB 100,#RB 0	Pass	7.50	21.34	21.34	0.136	28.84	0.766	2
1860MHz_RB 1,#RB L	Pass	7.50	22.41	22.41	0.174	29.91	0.979	2
1860MHz_RB 1,#RB M	Pass	7.50	22.61	22.61	0.182	30.11	1.026	2
1860MHz_RB 1,#RB H	Pass	7.50	22.39	22.39	0.173	29.89	0.975	2
1860MHz_RB 50,#RB L	Pass	7.50	21.42	21.42	0.139	28.92	0.780	2
1860MHz_RB 50,#RB M	Pass	7.50	21.48	21.48	0.141	28.98	0.791	2
1860MHz_RB 50,#RB H	Pass	7.50	21.29	21.29	0.135	28.79	0.757	2
1882MHz_5MHz_RB 100,#RB 0	Pass	7.50	21.41	21.41	0.138	28.91	0.778	2
1882MHz_5MHz_RB 1,#RB L	Pass	7.50	22.43	22.43	0.175	29.93	0.984	2
1882MHz_5MHz_RB 1,#RB M	Pass	7.50	22.48	22.48	0.177	29.98	0.995	2
1882MHz_5MHz_RB 1,#RB H	Pass	7.50	22.31	22.31	0.170	29.81	0.957	2
1882MHz_5MHz_RB 50,#RB L	Pass	7.50	21.31	21.31	0.135	28.81	0.760	2
1882MHz_5MHz_RB 50,#RB M	Pass	7.50	21.46	21.46	0.140	28.96	0.787	2
1882MHz_5MHz_RB 50,#RB H	Pass	7.50	21.33	21.33	0.136	28.83	0.764	2
1905MHz_RB 100,#RB 0	Pass	7.50	21.40	21.40	0.138	28.90	0.776	2
1905MHz_RB 1,#RB L	Pass	7.50	22.42	22.42	0.175	29.92	0.982	2
1905MHz_RB 1,#RB M	Pass	7.50	22.43	22.43	0.175	29.93	0.984	2
1905MHz_RB 1,#RB H	Pass	7.50	22.48	22.48	0.177	29.98	0.995	2
1905MHz_RB 50,#RB L	Pass	7.50	21.33	21.33	0.136	28.83	0.764	2
1905MHz_RB 50,#RB M	Pass	7.50	21.25	21.25	0.133	28.75	0.750	2
1905MHz_RB 50,#RB H	Pass	7.50	21.24	21.24	0.133	28.74	0.748	2

DG = Directional Gain; Port n = Port n output power



Summary

Mode	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)
Band 26	-	-	-	-
LTE_1.4MHz_QPSK_1TX	22.27	0.169	26.62	0.459
LTE_1.4MHz_16QAM_1TX	21.58	0.144	25.93	0.392
LTE_1.4MHz_64QAM_1TX	21.42	0.139	25.77	0.378
LTE_3MHz_QPSK_1TX	22.41	0.174	26.76	0.474
LTE_3MHz_16QAM_1TX	21.65	0.146	26.00	0.398
LTE_3MHz_64QAM_1TX	21.58	0.144	25.93	0.392
LTE_5MHz_QPSK_1TX	22.48	0.177	26.83	0.482
LTE_5MHz_16QAM_1TX	21.75	0.150	26.10	0.407
LTE_5MHz_64QAM_1TX	21.64	0.146	25.99	0.397
LTE_10MHz_QPSK_1TX	22.60	0.182	26.95	0.495
LTE_10MHz_16QAM_1TX	21.90	0.155	26.25	0.422
LTE_10MHz_64QAM_1TX	21.77	0.150	26.12	0.409
LTE_15MHz_QPSK_1TX	22.58	0.181	26.93	0.493
LTE_15MHz_16QAM_1TX	21.91	0.155	26.26	0.423
LTE_15MHz_64QAM_1TX	21.78	0.151	26.13	0.410

DG = Directional Gain; Port n = Port n output power

Result

Mode	Result	DG (dBI)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
Band 26_LTE_1.4MHz_QPSK_1TX	-	-	-	-	-	-	-	-
824.7MHz_RB 6,#RB 0	Pass	6.50	21.36	21.36	0.137	25.71	0.372	7
824.7MHz_RB 1,#RB L	Pass	6.50	22.19	22.19	0.166	26.54	0.451	7
824.7MHz_RB 1,#RB M	Pass	6.50	22.26	22.26	0.168	26.61	0.458	7
824.7MHz_RB 1,#RB H	Pass	6.50	22.17	22.17	0.165	26.52	0.449	7
824.7MHz_RB 3,#RB L	Pass	6.50	22.25	22.25	0.168	26.60	0.457	7
824.7MHz_RB 3,#RB M	Pass	6.50	22.27	22.27	0.169	26.62	0.459	7
824.7MHz_RB 3,#RB H	Pass	6.50	22.25	22.25	0.168	26.60	0.457	7
836.5MHz_RB 6,#RB 0	Pass	6.50	21.26	21.26	0.134	25.61	0.364	7
836.5MHz_RB 1,#RB L	Pass	6.50	22.18	22.18	0.165	26.53	0.450	7
836.5MHz_RB 1,#RB M	Pass	6.50	22.20	22.20	0.166	26.55	0.452	7
836.5MHz_RB 1,#RB H	Pass	6.50	22.21	22.21	0.166	26.56	0.453	7
836.5MHz_RB 3,#RB L	Pass	6.50	22.21	22.21	0.166	26.56	0.453	7
836.5MHz_RB 3,#RB M	Pass	6.50	22.27	22.27	0.169	26.62	0.459	7
836.5MHz_RB 3,#RB H	Pass	6.50	22.24	22.24	0.167	26.59	0.456	7
848.3MHz_RB 6,#RB 0	Pass	6.50	21.21	21.21	0.132	25.56	0.360	7
848.3MHz_RB 1,#RB L	Pass	6.50	22.06	22.06	0.161	26.41	0.438	7
848.3MHz_RB 1,#RB M	Pass	6.50	22.15	22.15	0.164	26.50	0.447	7
848.3MHz_RB 1,#RB H	Pass	6.50	22.05	22.05	0.160	26.40	0.437	7
848.3MHz_RB 3,#RB L	Pass	6.50	22.10	22.10	0.162	26.45	0.442	7
848.3MHz_RB 3,#RB M	Pass	6.50	22.14	22.14	0.164	26.49	0.446	7
848.3MHz_RB 3,#RB H	Pass	6.50	22.11	22.11	0.163	26.46	0.443	7
Band 26_LTE_1.4MHz_16QAM_1TX	-	-	-	-	-	-	-	-
824.7MHz_RB 6,#RB 0	Pass	6.50	21.11	21.11	0.129	25.46	0.352	7
824.7MHz_RB 1,#RB L	Pass	6.50	21.48	21.48	0.141	25.83	0.383	7
824.7MHz_RB 1,#RB M	Pass	6.50	21.58	21.58	0.144	25.93	0.392	7
824.7MHz_RB 1,#RB H	Pass	6.50	21.47	21.47	0.140	25.82	0.382	7
824.7MHz_RB 3,#RB L	Pass	6.50	21.27	21.27	0.134	25.62	0.365	7
824.7MHz_RB 3,#RB M	Pass	6.50	21.31	21.31	0.135	25.66	0.368	7
824.7MHz_RB 3,#RB H	Pass	6.50	21.28	21.28	0.134	25.63	0.366	7
836.5MHz_RB 6,#RB 0	Pass	6.50	21.14	21.14	0.130	25.49	0.354	7
836.5MHz_RB 1,#RB L	Pass	6.50	21.46	21.46	0.140	25.81	0.381	7
836.5MHz_RB 1,#RB M	Pass	6.50	21.55	21.55	0.143	25.90	0.389	7
836.5MHz_RB 1,#RB H	Pass	6.50	21.42	21.42	0.139	25.77	0.378	7
836.5MHz_RB 3,#RB L	Pass	6.50	21.24	21.24	0.133	25.59	0.362	7
836.5MHz_RB 3,#RB M	Pass	6.50	21.29	21.29	0.135	25.64	0.366	7
836.5MHz_RB 3,#RB H	Pass	6.50	21.21	21.21	0.132	25.56	0.360	7
848.3MHz_RB 6,#RB 0	Pass	6.50	21.02	21.02	0.126	25.37	0.344	7
848.3MHz_RB 1,#RB L	Pass	6.50	21.37	21.37	0.137	25.72	0.373	7
848.3MHz_RB 1,#RB M	Pass	6.50	21.34	21.34	0.136	25.69	0.371	7
848.3MHz_RB 1,#RB H	Pass	6.50	21.23	21.23	0.133	25.58	0.361	7
848.3MHz_RB 3,#RB L	Pass	6.50	21.13	21.13	0.130	25.48	0.353	7
848.3MHz_RB 3,#RB M	Pass	6.50	21.11	21.11	0.129	25.46	0.352	7
848.3MHz_RB 3,#RB H	Pass	6.50	21.07	21.07	0.128	25.42	0.348	7
Band 26_LTE_1.4MHz_64QAM_1TX	-	-	-	-	-	-	-	-
824.7MHz_RB 6,#RB 0	Pass	6.50	21.02	21.02	0.126	25.37	0.344	7
824.7MHz_RB 1,#RB L	Pass	6.50	21.38	21.38	0.137	25.73	0.374	7
824.7MHz_RB 1,#RB M	Pass	6.50	21.40	21.40	0.138	25.75	0.376	7
824.7MHz_RB 1,#RB H	Pass	6.50	21.34	21.34	0.136	25.69	0.371	7
824.7MHz_RB 3,#RB L	Pass	6.50	21.29	21.29	0.135	25.64	0.366	7
824.7MHz_RB 3,#RB M	Pass	6.50	21.33	21.33	0.136	25.68	0.370	7
824.7MHz_RB 3,#RB H	Pass	6.50	21.29	21.29	0.135	25.64	0.366	7
836.5MHz_RB 6,#RB 0	Pass	6.50	21.03	21.03	0.127	25.38	0.345	7
836.5MHz_RB 1,#RB L	Pass	6.50	21.40	21.40	0.138	25.75	0.376	7
836.5MHz_RB 1,#RB M	Pass	6.50	21.42	21.42	0.139	25.77	0.378	7
836.5MHz_RB 1,#RB H	Pass	6.50	21.35	21.35	0.136	25.70	0.372	7
836.5MHz_RB 3,#RB L	Pass	6.50	21.31	21.31	0.135	25.66	0.368	7
836.5MHz_RB 3,#RB M	Pass	6.50	21.34	21.34	0.136	25.69	0.371	7
836.5MHz_RB 3,#RB H	Pass	6.50	21.28	21.28	0.134	25.63	0.366	7
848.3MHz_RB 6,#RB 0	Pass	6.50	21.10	21.10	0.129	25.45	0.351	7
848.3MHz_RB 1,#RB L	Pass	6.50	21.22	21.22	0.132	25.57	0.361	7

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
848.3MHz_RB 1,#RB M	Pass	6.50	21.23	21.23	0.133	25.58	0.361	7
848.3MHz_RB 1,#RB H	Pass	6.50	21.19	21.19	0.132	25.54	0.358	7
848.3MHz_RB 3,#RB L	Pass	6.50	21.17	21.17	0.131	25.52	0.356	7
848.3MHz_RB 3,#RB M	Pass	6.50	21.19	21.19	0.132	25.54	0.358	7
848.3MHz_RB 3,#RB H	Pass	6.50	21.15	21.15	0.130	25.50	0.355	7
Band 26_LTE_3MHz_QPSK_1TX	-	-	-	-	-	-	-	-
825.5MHz_RB 15,#RB 0	Pass	6.50	21.40	21.40	0.138	25.75	0.376	7
825.5MHz_RB 1,#RB L	Pass	6.50	22.37	22.37	0.173	26.72	0.470	7
825.5MHz_RB 1,#RB M	Pass	6.50	22.34	22.34	0.171	26.69	0.467	7
825.5MHz_RB 1,#RB H	Pass	6.50	22.31	22.31	0.170	26.66	0.463	7
825.5MHz_RB 8,#RB L	Pass	6.50	21.39	21.39	0.138	25.74	0.375	7
825.5MHz_RB 8,#RB M	Pass	6.50	21.42	21.42	0.139	25.77	0.378	7
825.5MHz_RB 8,#RB H	Pass	6.50	21.40	21.40	0.138	25.75	0.376	7
836.5MHz_RB 15,#RB 0	Pass	6.50	21.37	21.37	0.137	25.72	0.373	7
836.5MHz_RB 1,#RB L	Pass	6.50	22.33	22.33	0.171	26.68	0.466	7
836.5MHz_RB 1,#RB M	Pass	6.50	22.41	22.41	0.174	26.76	0.474	7
836.5MHz_RB 1,#RB H	Pass	6.50	22.32	22.32	0.171	26.67	0.465	7
836.5MHz_RB 8,#RB L	Pass	6.50	21.41	21.41	0.138	25.76	0.377	7
836.5MHz_RB 8,#RB M	Pass	6.50	21.33	21.33	0.136	25.68	0.370	7
836.5MHz_RB 8,#RB H	Pass	6.50	21.27	21.27	0.134	25.62	0.365	7
847.5MHz_RB 15,#RB 0	Pass	6.50	21.44	21.44	0.139	25.79	0.379	7
847.5MHz_RB 1,#RB L	Pass	6.50	22.37	22.37	0.173	26.72	0.470	7
847.5MHz_RB 1,#RB M	Pass	6.50	22.31	22.31	0.170	26.66	0.463	7
847.5MHz_RB 1,#RB H	Pass	6.50	22.20	22.20	0.166	26.55	0.452	7
847.5MHz_RB 8,#RB L	Pass	6.50	21.39	21.39	0.138	25.74	0.375	7
847.5MHz_RB 8,#RB M	Pass	6.50	21.45	21.45	0.140	25.80	0.380	7
847.5MHz_RB 8,#RB H	Pass	6.50	21.35	21.35	0.136	25.70	0.372	7
Band 26_LTE_3MHz_16QAM_1TX	-	-	-	-	-	-	-	-
825.5MHz_RB 15,#RB 0	Pass	6.50	21.03	21.03	0.127	25.38	0.345	7
825.5MHz_RB 1,#RB L	Pass	6.50	21.63	21.63	0.146	25.98	0.396	7
825.5MHz_RB 1,#RB M	Pass	6.50	21.62	21.62	0.145	25.97	0.395	7
825.5MHz_RB 1,#RB H	Pass	6.50	21.64	21.64	0.146	25.99	0.397	7
825.5MHz_RB 8,#RB L	Pass	6.50	21.11	21.11	0.129	25.46	0.352	7
825.5MHz_RB 8,#RB M	Pass	6.50	21.08	21.08	0.128	25.43	0.349	7
825.5MHz_RB 8,#RB H	Pass	6.50	21.02	21.02	0.126	25.37	0.344	7
836.5MHz_RB 15,#RB 0	Pass	6.50	21.12	21.12	0.129	25.47	0.352	7
836.5MHz_RB 1,#RB L	Pass	6.50	21.57	21.57	0.144	25.92	0.391	7
836.5MHz_RB 1,#RB M	Pass	6.50	21.63	21.63	0.146	25.98	0.396	7
836.5MHz_RB 1,#RB H	Pass	6.50	21.55	21.55	0.143	25.90	0.389	7
836.5MHz_RB 8,#RB L	Pass	6.50	21.04	21.04	0.127	25.39	0.346	7
836.5MHz_RB 8,#RB M	Pass	6.50	21.17	21.17	0.131	25.52	0.356	7
836.5MHz_RB 8,#RB H	Pass	6.50	21.09	21.09	0.129	25.44	0.350	7
847.5MHz_RB 15,#RB 0	Pass	6.50	21.06	21.06	0.128	25.41	0.348	7
847.5MHz_RB 1,#RB L	Pass	6.50	21.65	21.65	0.146	26.00	0.398	7
847.5MHz_RB 1,#RB M	Pass	6.50	21.65	21.65	0.146	26.00	0.398	7
847.5MHz_RB 1,#RB H	Pass	6.50	21.46	21.46	0.140	25.81	0.381	7
847.5MHz_RB 8,#RB L	Pass	6.50	21.08	21.08	0.128	25.43	0.349	7
847.5MHz_RB 8,#RB M	Pass	6.50	21.11	21.11	0.129	25.46	0.352	7
847.5MHz_RB 8,#RB H	Pass	6.50	21.07	21.07	0.128	25.42	0.348	7
Band 26_LTE_3MHz_64QAM_1TX	-	-	-	-	-	-	-	-
825.5MHz_RB 15,#RB 0	Pass	6.50	21.15	21.15	0.130	25.50	0.355	7
825.5MHz_RB 1,#RB L	Pass	6.50	21.47	21.47	0.140	25.82	0.382	7
825.5MHz_RB 1,#RB M	Pass	6.50	21.53	21.53	0.142	25.88	0.387	7
825.5MHz_RB 1,#RB H	Pass	6.50	21.51	21.51	0.142	25.86	0.385	7
825.5MHz_RB 8,#RB L	Pass	6.50	21.04	21.04	0.127	25.39	0.346	7
825.5MHz_RB 8,#RB M	Pass	6.50	21.11	21.11	0.129	25.46	0.352	7
825.5MHz_RB 8,#RB H	Pass	6.50	21.15	21.15	0.130	25.50	0.355	7
836.5MHz_RB 15,#RB 0	Pass	6.50	21.02	21.02	0.126	25.37	0.344	7
836.5MHz_RB 1,#RB L	Pass	6.50	21.57	21.57	0.144	25.92	0.391	7
836.5MHz_RB 1,#RB M	Pass	6.50	21.54	21.54	0.143	25.89	0.388	7
836.5MHz_RB 1,#RB H	Pass	6.50	21.47	21.47	0.140	25.82	0.382	7
836.5MHz_RB 8,#RB L	Pass	6.50	21.11	21.11	0.129	25.46	0.352	7





**Average Power (Mode 12: LTE Band 26)**

**Appendix A.12**

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
836.5MHz_RB 8,#RB M	Pass	6.50	21.05	21.05	0.127	25.40	0.347	7
836.5MHz_RB 8,#RB H	Pass	6.50	21.08	21.08	0.128	25.43	0.349	7
847.5MHz_RB 15,#RB O	Pass	6.50	21.11	21.11	0.129	25.46	0.352	7
847.5MHz_RB 1,#RB L	Pass	6.50	21.58	21.58	0.144	25.93	0.392	7
847.5MHz_RB 1,#RB M	Pass	6.50	21.52	21.52	0.142	25.87	0.386	7
847.5MHz_RB 1,#RB H	Pass	6.50	21.33	21.33	0.136	25.68	0.370	7
847.5MHz_RB 8,#RB L	Pass	6.50	21.15	21.15	0.130	25.50	0.355	7
847.5MHz_RB 8,#RB M	Pass	6.50	21.04	21.04	0.127	25.39	0.346	7
847.5MHz_RB 8,#RB H	Pass	6.50	21.06	21.06	0.128	25.41	0.348	7
Band 26_LTE_5MHz_OPSK_1TX	-	-	-	-	-	-	-	-
826.5MHz_RB 25,#RB O	Pass	6.50	21.45	21.45	0.140	25.80	0.380	7
826.5MHz_RB 1,#RB L	Pass	6.50	22.41	22.41	0.174	26.76	0.474	7
826.5MHz_RB 1,#RB M	Pass	6.50	22.42	22.42	0.175	26.77	0.475	7
826.5MHz_RB 1,#RB H	Pass	6.50	22.39	22.39	0.173	26.74	0.472	7
826.5MHz_RB 12,#RB L	Pass	6.50	21.40	21.40	0.138	25.75	0.376	7
826.5MHz_RB 12,#RB M	Pass	6.50	21.57	21.57	0.144	25.92	0.391	7
826.5MHz_RB 12,#RB H	Pass	6.50	21.40	21.40	0.138	25.75	0.376	7
836.5MHz_RB 25,#RB O	Pass	6.50	21.42	21.42	0.139	25.77	0.378	7
836.5MHz_RB 1,#RB L	Pass	6.50	22.39	22.39	0.173	26.74	0.472	7
836.5MHz_RB 1,#RB M	Pass	6.50	22.48	22.48	0.177	26.83	0.482	7
836.5MHz_RB 1,#RB H	Pass	6.50	22.33	22.33	0.171	26.68	0.466	7
836.5MHz_RB 12,#RB L	Pass	6.50	21.40	21.40	0.138	25.75	0.376	7
836.5MHz_RB 12,#RB M	Pass	6.50	21.42	21.42	0.139	25.77	0.378	7
836.5MHz_RB 12,#RB H	Pass	6.50	21.37	21.37	0.137	25.72	0.373	7
846.5MHz_RB 25,#RB O	Pass	6.50	21.49	21.49	0.141	25.84	0.384	7
846.5MHz_RB 1,#RB L	Pass	6.50	22.33	22.33	0.171	26.68	0.466	7
846.5MHz_RB 1,#RB M	Pass	6.50	22.46	22.46	0.176	26.81	0.480	7
846.5MHz_RB 1,#RB H	Pass	6.50	22.21	22.21	0.166	26.56	0.453	7
846.5MHz_RB 12,#RB L	Pass	6.50	21.38	21.38	0.137	25.73	0.374	7
846.5MHz_RB 12,#RB M	Pass	6.50	21.51	21.51	0.142	25.86	0.385	7
846.5MHz_RB 12,#RB H	Pass	6.50	21.45	21.45	0.140	25.80	0.380	7
Band 26_LTE_5MHz_16QAM_1TX	-	-	-	-	-	-	-	-
826.5MHz_RB 25,#RB O	Pass	6.50	21.13	21.13	0.130	25.48	0.353	7
826.5MHz_RB 1,#RB L	Pass	6.50	21.67	21.67	0.147	26.02	0.400	7
826.5MHz_RB 1,#RB M	Pass	6.50	21.72	21.72	0.149	26.07	0.405	7
826.5MHz_RB 1,#RB H	Pass	6.50	21.68	21.68	0.147	26.03	0.401	7
826.5MHz_RB 12,#RB L	Pass	6.50	21.08	21.08	0.128	25.43	0.349	7
826.5MHz_RB 12,#RB M	Pass	6.50	21.12	21.12	0.129	25.47	0.352	7
826.5MHz_RB 12,#RB H	Pass	6.50	21.19	21.19	0.132	25.54	0.358	7
836.5MHz_RB 25,#RB O	Pass	6.50	21.08	21.08	0.128	25.43	0.349	7
836.5MHz_RB 1,#RB L	Pass	6.50	21.64	21.64	0.146	25.99	0.397	7
836.5MHz_RB 1,#RB M	Pass	6.50	21.72	21.72	0.149	26.07	0.405	7
836.5MHz_RB 1,#RB H	Pass	6.50	21.58	21.58	0.144	25.93	0.392	7
836.5MHz_RB 12,#RB L	Pass	6.50	21.14	21.14	0.130	25.49	0.354	7
836.5MHz_RB 12,#RB M	Pass	6.50	21.05	21.05	0.127	25.40	0.347	7
836.5MHz_RB 12,#RB H	Pass	6.50	21.07	21.07	0.128	25.42	0.348	7
846.5MHz_RB 25,#RB O	Pass	6.50	21.02	21.02	0.126	25.37	0.344	7
846.5MHz_RB 1,#RB L	Pass	6.50	21.60	21.60	0.145	25.95	0.394	7
846.5MHz_RB 1,#RB M	Pass	6.50	21.75	21.75	0.150	26.10	0.407	7
846.5MHz_RB 1,#RB H	Pass	6.50	21.43	21.43	0.139	25.78	0.378	7
846.5MHz_RB 12,#RB L	Pass	6.50	21.04	21.04	0.127	25.39	0.346	7
846.5MHz_RB 12,#RB M	Pass	6.50	21.05	21.05	0.127	25.40	0.347	7
846.5MHz_RB 12,#RB H	Pass	6.50	21.03	21.03	0.127	25.38	0.345	7
Band 26_LTE_5MHz_64QAM_1TX	-	-	-	-	-	-	-	-
826.5MHz_RB 25,#RB O	Pass	6.50	21.10	21.10	0.129	25.45	0.351	7
826.5MHz_RB 1,#RB L	Pass	6.50	21.57	21.57	0.144	25.92	0.391	7
826.5MHz_RB 1,#RB M	Pass	6.50	21.59	21.59	0.144	25.94	0.393	7
826.5MHz_RB 1,#RB H	Pass	6.50	21.56	21.56	0.143	25.91	0.390	7
826.5MHz_RB 12,#RB L	Pass	6.50	21.05	21.05	0.127	25.40	0.347	7
826.5MHz_RB 12,#RB M	Pass	6.50	21.11	21.11	0.129	25.46	0.352	7
826.5MHz_RB 12,#RB H	Pass	6.50	21.16	21.16	0.131	25.51	0.356	7
836.5MHz_RB 25,#RB O	Pass	6.50	21.07	21.07	0.128	25.42	0.348	7

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
836.5MHz_RB 1,#RB L	Pass	6.50	21.56	21.56	0.143	25.91	0.390	7
836.5MHz_RB 1,#RB M	Pass	6.50	21.64	21.64	0.146	25.99	0.397	7
836.5MHz_RB 1,#RB H	Pass	6.50	21.48	21.48	0.141	25.83	0.383	7
836.5MHz_RB 12,#RB L	Pass	6.50	21.11	21.11	0.129	25.46	0.352	7
836.5MHz_RB 12,#RB M	Pass	6.50	21.08	21.08	0.128	25.43	0.349	7
836.5MHz_RB 12,#RB H	Pass	6.50	21.06	21.06	0.128	25.41	0.348	7
846.5MHz_RB 25,#RB 0	Pass	6.50	21.05	21.05	0.127	25.40	0.347	7
846.5MHz_RB 1,#RB L	Pass	6.50	21.49	21.49	0.141	25.84	0.384	7
846.5MHz_RB 1,#RB M	Pass	6.50	21.56	21.56	0.143	25.91	0.390	7
846.5MHz_RB 1,#RB H	Pass	6.50	21.36	21.36	0.137	25.71	0.372	7
846.5MHz_RB 12,#RB L	Pass	6.50	21.04	21.04	0.127	25.39	0.346	7
846.5MHz_RB 12,#RB M	Pass	6.50	21.17	21.17	0.131	25.52	0.356	7
846.5MHz_RB 12,#RB H	Pass	6.50	21.04	21.04	0.127	25.39	0.346	7
Band 26_LTE_10MHz_OPSK_1TX	-	-	-	-	-	-	-	-
829MHz_RB 50,#RB 0	Pass	6.50	21.49	21.49	0.141	25.84	0.384	7
829MHz_RB 1,#RB L	Pass	6.50	22.33	22.33	0.171	26.68	0.466	7
829MHz_RB 1,#RB M	Pass	6.50	22.60	22.60	0.182	26.95	0.495	7
829MHz_RB 1,#RB H	Pass	6.50	22.53	22.53	0.179	26.88	0.488	7
829MHz_RB 25,#RB L	Pass	6.50	21.58	21.58	0.144	25.93	0.392	7
829MHz_RB 25,#RB M	Pass	6.50	21.67	21.67	0.147	26.02	0.400	7
829MHz_RB 25,#RB H	Pass	6.50	21.45	21.45	0.140	25.80	0.380	7
836.5MHz_RB 50,#RB 0	Pass	6.50	21.52	21.52	0.142	25.87	0.386	7
836.5MHz_RB 1,#RB L	Pass	6.50	22.46	22.46	0.176	26.81	0.480	7
836.5MHz_RB 1,#RB M	Pass	6.50	22.55	22.55	0.180	26.90	0.490	7
836.5MHz_RB 1,#RB H	Pass	6.50	22.42	22.42	0.175	26.77	0.475	7
836.5MHz_RB 25,#RB L	Pass	6.50	21.55	21.55	0.143	25.90	0.389	7
836.5MHz_RB 25,#RB M	Pass	6.50	21.65	21.65	0.146	26.00	0.398	7
836.5MHz_RB 25,#RB H	Pass	6.50	21.42	21.42	0.139	25.77	0.378	7
844MHz_RB 50,#RB 0	Pass	6.50	21.50	21.50	0.141	25.85	0.385	7
844MHz_RB 1,#RB L	Pass	6.50	22.42	22.42	0.175	26.77	0.475	7
844MHz_RB 1,#RB M	Pass	6.50	22.50	22.50	0.178	26.85	0.484	7
844MHz_RB 1,#RB H	Pass	6.50	22.34	22.34	0.171	26.69	0.467	7
844MHz_RB 25,#RB L	Pass	6.50	21.49	21.49	0.141	25.84	0.384	7
844MHz_RB 25,#RB M	Pass	6.50	21.41	21.41	0.138	25.76	0.377	7
844MHz_RB 25,#RB H	Pass	6.50	21.29	21.29	0.135	25.64	0.366	7
Band 26_LTE_10MHz_16QAM_1TX	-	-	-	-	-	-	-	-
829MHz_RB 50,#RB 0	Pass	6.50	21.14	21.14	0.130	25.49	0.354	7
829MHz_RB 1,#RB L	Pass	6.50	21.72	21.72	0.149	26.07	0.405	7
829MHz_RB 1,#RB M	Pass	6.50	21.90	21.90	0.155	26.25	0.422	7
829MHz_RB 1,#RB H	Pass	6.50	21.81	21.81	0.152	26.16	0.413	7
829MHz_RB 25,#RB L	Pass	6.50	21.15	21.15	0.130	25.50	0.355	7
829MHz_RB 25,#RB M	Pass	6.50	21.24	21.24	0.133	25.59	0.362	7
829MHz_RB 25,#RB H	Pass	6.50	21.10	21.10	0.129	25.45	0.351	7
836.5MHz_RB 50,#RB 0	Pass	6.50	21.05	21.05	0.127	25.40	0.347	7
836.5MHz_RB 1,#RB L	Pass	6.50	21.82	21.82	0.152	26.17	0.414	7
836.5MHz_RB 1,#RB M	Pass	6.50	21.84	21.84	0.153	26.19	0.416	7
836.5MHz_RB 1,#RB H	Pass	6.50	21.66	21.66	0.147	26.01	0.399	7
836.5MHz_RB 25,#RB L	Pass	6.50	21.08	21.08	0.128	25.43	0.349	7
836.5MHz_RB 25,#RB M	Pass	6.50	21.15	21.15	0.130	25.50	0.355	7
836.5MHz_RB 25,#RB H	Pass	6.50	21.05	21.05	0.127	25.40	0.347	7
844MHz_RB 50,#RB 0	Pass	6.50	21.04	21.04	0.127	25.39	0.346	7
844MHz_RB 1,#RB L	Pass	6.50	21.62	21.62	0.145	25.97	0.395	7
844MHz_RB 1,#RB M	Pass	6.50	21.79	21.79	0.151	26.14	0.411	7
844MHz_RB 1,#RB H	Pass	6.50	21.60	21.60	0.145	25.95	0.394	7
844MHz_RB 25,#RB L	Pass	6.50	21.03	21.03	0.127	25.38	0.345	7
844MHz_RB 25,#RB M	Pass	6.50	21.04	21.04	0.127	25.39	0.346	7
844MHz_RB 25,#RB H	Pass	6.50	21.01	21.01	0.126	25.36	0.344	7
Band 26_LTE_10MHz_64QAM_1TX	-	-	-	-	-	-	-	-
829MHz_RB 50,#RB 0	Pass	6.50	21.11	21.11	0.129	25.46	0.352	7
829MHz_RB 1,#RB L	Pass	6.50	21.61	21.61	0.145	25.96	0.394	7
829MHz_RB 1,#RB M	Pass	6.50	21.77	21.77	0.150	26.12	0.409	7
829MHz_RB 1,#RB H	Pass	6.50	21.66	21.66	0.147	26.01	0.399	7



**Average Power (Mode 12: LTE Band 26)**

**Appendix A.12**

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
829MHz_RB 25,#RB L	Pass	6.50	21.09	21.09	0.129	25.44	0.350	7
829MHz_RB 25,#RB M	Pass	6.50	21.23	21.23	0.133	25.58	0.361	7
829MHz_RB 25,#RB H	Pass	6.50	21.09	21.09	0.129	25.44	0.350	7
836.5MHz_RB 50,#RB 0	Pass	6.50	21.01	21.01	0.126	25.36	0.344	7
836.5MHz_RB 1,#RB L	Pass	6.50	21.62	21.62	0.145	25.97	0.395	7
836.5MHz_RB 1,#RB M	Pass	6.50	21.67	21.67	0.147	26.02	0.400	7
836.5MHz_RB 1,#RB H	Pass	6.50	21.60	21.60	0.145	25.95	0.394	7
836.5MHz_RB 25,#RB L	Pass	6.50	21.07	21.07	0.128	25.42	0.348	7
836.5MHz_RB 25,#RB M	Pass	6.50	21.13	21.13	0.130	25.48	0.353	7
836.5MHz_RB 25,#RB H	Pass	6.50	21.03	21.03	0.127	25.38	0.345	7
844MHz_RB 50,#RB 0	Pass	6.50	21.03	21.03	0.127	25.38	0.345	7
844MHz_RB 1,#RB L	Pass	6.50	21.57	21.57	0.144	25.92	0.391	7
844MHz_RB 1,#RB M	Pass	6.50	21.68	21.68	0.147	26.03	0.401	7
844MHz_RB 1,#RB H	Pass	6.50	21.43	21.43	0.139	25.78	0.378	7
844MHz_RB 25,#RB L	Pass	6.50	21.03	21.03	0.127	25.38	0.345	7
844MHz_RB 25,#RB M	Pass	6.50	21.10	21.10	0.129	25.45	0.351	7
844MHz_RB 25,#RB H	Pass	6.50	21.01	21.01	0.126	25.36	0.344	7
Band 26_LTE_15MHz_OPSK_1TX	-	-	-	-	-	-	-	-
831.5MHz_RB 75,#RB 0	Pass	6.50	21.57	21.57	0.144	25.92	0.391	7
831.5MHz_RB 1,#RB L	Pass	6.50	22.53	22.53	0.179	26.88	0.488	7
831.5MHz_RB 1,#RB M	Pass	6.50	22.51	22.51	0.178	26.86	0.485	7
831.5MHz_RB 1,#RB H	Pass	6.50	22.37	22.37	0.173	26.72	0.470	7
831.5MHz_RB 36,#RB L	Pass	6.50	21.59	21.59	0.144	25.94	0.393	7
831.5MHz_RB 36,#RB M	Pass	6.50	21.48	21.48	0.141	25.83	0.383	7
831.5MHz_RB 36,#RB H	Pass	6.50	21.38	21.38	0.137	25.73	0.374	7
836.5MHz_RB 75,#RB 0	Pass	6.50	21.58	21.58	0.144	25.93	0.392	7
836.5MHz_RB 1,#RB L	Pass	6.50	22.58	22.58	0.181	26.93	0.493	7
836.5MHz_RB 1,#RB M	Pass	6.50	22.45	22.45	0.176	26.80	0.479	7
836.5MHz_RB 1,#RB H	Pass	6.50	22.32	22.32	0.171	26.67	0.465	7
836.5MHz_RB 36,#RB L	Pass	6.50	21.52	21.52	0.142	25.87	0.386	7
836.5MHz_RB 36,#RB M	Pass	6.50	21.55	21.55	0.143	25.90	0.389	7
836.5MHz_RB 36,#RB H	Pass	6.50	21.44	21.44	0.139	25.79	0.379	7
841.5MHz_RB 75,#RB 0	Pass	6.50	21.54	21.54	0.143	25.89	0.388	7
841.5MHz_RB 1,#RB L	Pass	6.50	22.49	22.49	0.177	26.84	0.483	7
841.5MHz_RB 1,#RB M	Pass	6.50	22.39	22.39	0.173	26.74	0.472	7
841.5MHz_RB 1,#RB H	Pass	6.50	22.27	22.27	0.169	26.62	0.459	7
841.5MHz_RB 36,#RB L	Pass	6.50	21.53	21.53	0.142	25.88	0.387	7
841.5MHz_RB 36,#RB M	Pass	6.50	21.52	21.52	0.142	25.87	0.386	7
841.5MHz_RB 36,#RB H	Pass	6.50	21.31	21.31	0.135	25.66	0.368	7
Band 26_LTE_15MHz_16QAM_1TX	-	-	-	-	-	-	-	-
831.5MHz_RB 75,#RB 0	Pass	6.50	21.14	21.14	0.130	25.49	0.354	7
831.5MHz_RB 1,#RB L	Pass	6.50	21.81	21.81	0.152	26.16	0.413	7
831.5MHz_RB 1,#RB M	Pass	6.50	21.91	21.91	0.155	26.26	0.423	7
831.5MHz_RB 1,#RB H	Pass	6.50	21.72	21.72	0.149	26.07	0.405	7
831.5MHz_RB 36,#RB L	Pass	6.50	21.16	21.16	0.131	25.51	0.356	7
831.5MHz_RB 36,#RB M	Pass	6.50	21.12	21.12	0.129	25.47	0.352	7
831.5MHz_RB 36,#RB H	Pass	6.50	21.08	21.08	0.128	25.43	0.349	7
836.5MHz_RB 75,#RB 0	Pass	6.50	21.11	21.11	0.129	25.46	0.352	7
836.5MHz_RB 1,#RB L	Pass	6.50	21.86	21.86	0.153	26.21	0.418	7
836.5MHz_RB 1,#RB M	Pass	6.50	21.68	21.68	0.147	26.03	0.401	7
836.5MHz_RB 1,#RB H	Pass	6.50	21.42	21.42	0.139	25.77	0.378	7
836.5MHz_RB 36,#RB L	Pass	6.50	21.11	21.11	0.129	25.46	0.352	7
836.5MHz_RB 36,#RB M	Pass	6.50	21.10	21.10	0.129	25.45	0.351	7
836.5MHz_RB 36,#RB H	Pass	6.50	21.06	21.06	0.128	25.41	0.348	7
841.5MHz_RB 75,#RB 0	Pass	6.50	21.01	21.01	0.126	25.36	0.344	7
841.5MHz_RB 1,#RB L	Pass	6.50	21.80	21.80	0.151	26.15	0.412	7
841.5MHz_RB 1,#RB M	Pass	6.50	21.62	21.62	0.145	25.97	0.395	7
841.5MHz_RB 1,#RB H	Pass	6.50	21.53	21.53	0.142	25.88	0.387	7
841.5MHz_RB 36,#RB L	Pass	6.50	21.02	21.02	0.126	25.37	0.344	7
841.5MHz_RB 36,#RB M	Pass	6.50	21.03	21.03	0.127	25.38	0.345	7
841.5MHz_RB 36,#RB H	Pass	6.50	21.02	21.02	0.126	25.37	0.344	7
Band 26_LTE_15MHz_64QAM_1TX	-	-	-	-	-	-	-	-



**Average Power (Mode 12: LTE Band 26)**

**Appendix A.12**

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	ERP Lim. (W)
831.5MHz_RB 75,#RB 0	Pass	6.50	21.11	21.11	0.129	25.46	0.352	7
831.5MHz_RB 1,#RB L	Pass	6.50	21.59	21.59	0.144	25.94	0.393	7
831.5MHz_RB 1,#RB M	Pass	6.50	21.71	21.71	0.148	26.06	0.404	7
831.5MHz_RB 1,#RB H	Pass	6.50	21.48	21.48	0.141	25.83	0.383	7
831.5MHz_RB 36,#RB L	Pass	6.50	21.12	21.12	0.129	25.47	0.352	7
831.5MHz_RB 36,#RB M	Pass	6.50	21.11	21.11	0.129	25.46	0.352	7
831.5MHz_RB 36,#RB H	Pass	6.50	21.04	21.04	0.127	25.39	0.346	7
836.5MHz_RB 75,#RB 0	Pass	6.50	21.06	21.06	0.128	25.41	0.348	7
836.5MHz_RB 1,#RB L	Pass	6.50	21.78	21.78	0.151	26.13	0.410	7
836.5MHz_RB 1,#RB M	Pass	6.50	21.65	21.65	0.146	26.00	0.398	7
836.5MHz_RB 1,#RB H	Pass	6.50	21.53	21.53	0.142	25.88	0.387	7
836.5MHz_RB 36,#RB L	Pass	6.50	21.09	21.09	0.129	25.44	0.350	7
836.5MHz_RB 36,#RB M	Pass	6.50	21.03	21.03	0.127	25.38	0.345	7
836.5MHz_RB 36,#RB H	Pass	6.50	21.04	21.04	0.127	25.39	0.346	7
841.5MHz_RB 75,#RB 0	Pass	6.50	21.03	21.03	0.127	25.38	0.345	7
841.5MHz_RB 1,#RB L	Pass	6.50	21.66	21.66	0.147	26.01	0.399	7
841.5MHz_RB 1,#RB M	Pass	6.50	21.55	21.55	0.143	25.90	0.389	7
841.5MHz_RB 1,#RB H	Pass	6.50	21.40	21.40	0.138	25.75	0.376	7
841.5MHz_RB 36,#RB L	Pass	6.50	21.01	21.01	0.126	25.36	0.344	7
841.5MHz_RB 36,#RB M	Pass	6.50	21.03	21.03	0.127	25.38	0.345	7
841.5MHz_RB 36,#RB H	Pass	6.50	21.06	21.06	0.128	25.41	0.348	7

DG = Directional Gain; Port n = Port n output power



Summary

Mode	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)
Band 38	-	-	-	-
LTE_5MHz_QPSK_1TX	23.18	0.208	30.68	1.169
LTE_5MHz_16QAM_1TX	22.46	0.176	29.96	0.991
LTE_5MHz_64QAM_1TX	22.38	0.173	29.88	0.973
LTE_10MHz_QPSK_1TX	22.86	0.193	30.36	1.086
LTE_10MHz_16QAM_1TX	22.10	0.162	29.60	0.912
LTE_10MHz_64QAM_1TX	22.11	0.163	29.61	0.914
LTE_15MHz_QPSK_1TX	23.12	0.205	30.62	1.153
LTE_15MHz_16QAM_1TX	22.24	0.167	29.74	0.942
LTE_15MHz_64QAM_1TX	22.40	0.174	29.90	0.977
LTE_20MHz_QPSK_1TX	23.29	0.213	30.79	1.199
LTE_20MHz_16QAM_1TX	22.32	0.171	29.82	0.959
LTE_20MHz_64QAM_1TX	22.64	0.184	30.14	1.033

DG = Directional Gain; Port n = Port n output power

**Result**

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
Band 38_LTE_5MHz_QPSK_1TX	-	-	-	-	-	-	-	-
2572.5MHz_RB 25,#RB 0	Pass	7.50	21.91	21.91	0.155	29.41	0.873	2
2572.5MHz_RB 1,#RB L	Pass	7.50	22.79	22.79	0.190	30.29	1.069	2
2572.5MHz_RB 1,#RB M	Pass	7.50	22.92	22.92	0.196	30.42	1.102	2
2572.5MHz_RB 1,#RB H	Pass	7.50	22.81	22.81	0.191	30.31	1.074	2
2572.5MHz_RB 12,#RB L	Pass	7.50	21.89	21.89	0.155	29.39	0.869	2
2572.5MHz_RB 12,#RB M	Pass	7.50	21.91	21.91	0.155	29.41	0.873	2
2572.5MHz_RB 12,#RB H	Pass	7.50	21.89	21.89	0.155	29.39	0.869	2
2595MHz_RB 25,#RB 0	Pass	7.50	21.88	21.88	0.154	29.38	0.867	2
2595MHz_RB 1,#RB L	Pass	7.50	22.66	22.66	0.185	30.16	1.038	2
2595MHz_RB 1,#RB M	Pass	7.50	22.87	22.87	0.194	30.37	1.089	2
2595MHz_RB 1,#RB H	Pass	7.50	22.68	22.68	0.185	30.18	1.042	2
2595MHz_RB 12,#RB L	Pass	7.50	21.88	21.88	0.154	29.38	0.867	2
2595MHz_RB 12,#RB M	Pass	7.50	21.85	21.85	0.153	29.35	0.861	2
2595MHz_RB 12,#RB H	Pass	7.50	21.94	21.94	0.156	29.44	0.879	2
2617.5MHz_RB 25,#RB 0	Pass	7.50	22.15	22.15	0.164	29.65	0.923	2
2617.5MHz_RB 1,#RB L	Pass	7.50	22.91	22.91	0.195	30.41	1.099	2
2617.5MHz_RB 1,#RB M	Pass	7.50	23.18	23.18	0.208	30.68	1.169	2
2617.5MHz_RB 1,#RB H	Pass	7.50	22.89	22.89	0.195	30.39	1.094	2
2617.5MHz_RB 12,#RB L	Pass	7.50	22.18	22.18	0.165	29.68	0.929	2
2617.5MHz_RB 12,#RB M	Pass	7.50	22.04	22.04	0.160	29.54	0.899	2
2617.5MHz_RB 12,#RB H	Pass	7.50	22.01	22.01	0.159	29.51	0.893	2
Band 38_LTE_5MHz_16QAM_1TX	-	-	-	-	-	-	-	-
2572.5MHz_RB 25,#RB 0	Pass	7.50	21.05	21.05	0.127	28.55	0.71614	2
2572.5MHz_RB 1,#RB L	Pass	7.50	22.07	22.07	0.161	29.57	0.906	2
2572.5MHz_RB 1,#RB M	Pass	7.50	22.25	22.25	0.168	29.75	0.944	2
2572.5MHz_RB 1,#RB H	Pass	7.50	22.05	22.05	0.160	29.55	0.902	2
2572.5MHz_RB 12,#RB L	Pass	7.50	21.02	21.02	0.126	28.52	0.71121	2
2572.5MHz_RB 12,#RB M	Pass	7.50	21.03	21.03	0.127	28.53	0.71285	2
2572.5MHz_RB 12,#RB H	Pass	7.50	21.05	21.05	0.127	28.55	0.71614	2
2595MHz_RB 25,#RB 0	Pass	7.50	21.09	21.09	0.129	28.59	0.72277	2
2595MHz_RB 1,#RB L	Pass	7.50	22.10	22.10	0.162	29.60	0.912	2
2595MHz_RB 1,#RB M	Pass	7.50	22.14	22.14	0.164	29.64	0.920	2
2595MHz_RB 1,#RB H	Pass	7.50	22.12	22.12	0.163	29.62	0.916	2
2595MHz_RB 12,#RB L	Pass	7.50	21.03	21.03	0.127	28.53	0.71285	2
2595MHz_RB 12,#RB M	Pass	7.50	21.06	21.06	0.128	28.56	0.71779	2
2595MHz_RB 12,#RB H	Pass	7.50	21.07	21.07	0.128	28.57	0.71945	2
2617.5MHz_RB 25,#RB 0	Pass	7.50	21.27	21.27	0.134	28.77	0.75336	2
2617.5MHz_RB 1,#RB L	Pass	7.50	22.27	22.27	0.169	29.77	0.948	2
2617.5MHz_RB 1,#RB M	Pass	7.50	22.46	22.46	0.176	29.96	0.991	2
2617.5MHz_RB 1,#RB H	Pass	7.50	22.26	22.26	0.168	29.76	0.946	2
2617.5MHz_RB 12,#RB L	Pass	7.50	21.23	21.23	0.133	28.73	0.74645	2
2617.5MHz_RB 12,#RB M	Pass	7.50	21.13	21.13	0.130	28.63	0.72946	2
2617.5MHz_RB 12,#RB H	Pass	7.50	21.10	21.10	0.129	28.60	0.72444	2
Band 38_LTE_5MHz_64QAM_1TX	-	-	-	-	-	-	-	-
2572.5MHz_RB 25,#RB 0	Pass	7.50	21.06	21.06	0.128	28.56	0.71779	2
2572.5MHz_RB 1,#RB L	Pass	7.50	22.06	22.06	0.161	29.56	0.904	2
2572.5MHz_RB 1,#RB M	Pass	7.50	22.13	22.13	0.163	29.63	0.918	2
2572.5MHz_RB 1,#RB H	Pass	7.50	22.02	22.02	0.159	29.52	0.895	2
2572.5MHz_RB 12,#RB L	Pass	7.50	21.06	21.06	0.128	28.56	0.71779	2
2572.5MHz_RB 12,#RB M	Pass	7.50	21.11	21.11	0.129	28.61	0.72611	2
2572.5MHz_RB 12,#RB H	Pass	7.50	21.08	21.08	0.128	28.58	0.72111	2
2595MHz_RB 25,#RB 0	Pass	7.50	21.11	21.11	0.129	28.61	0.72611	2
2595MHz_RB 1,#RB L	Pass	7.50	22.06	22.06	0.161	29.56	0.904	2
2595MHz_RB 1,#RB M	Pass	7.50	22.17	22.17	0.165	29.67	0.927	2
2595MHz_RB 1,#RB H	Pass	7.50	22.14	22.14	0.164	29.64	0.920	2
2595MHz_RB 12,#RB L	Pass	7.50	21.09	21.09	0.129	28.59	0.72277	2
2595MHz_RB 12,#RB M	Pass	7.50	21.08	21.08	0.128	28.58	0.72111	2
2595MHz_RB 12,#RB H	Pass	7.50	21.11	21.11	0.129	28.61	0.72611	2
2617.5MHz_RB 25,#RB 0	Pass	7.50	21.21	21.21	0.132	28.71	0.74302	2
2617.5MHz_RB 1,#RB L	Pass	7.50	22.26	22.26	0.168	29.76	0.946	2

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
2617.5MHz_RB 1,#RB M	Pass	7.50	22.38	22.38	0.173	29.88	0.973	2
2617.5MHz_RB 1,#RB H	Pass	7.50	22.21	22.21	0.166	29.71	0.935	2
2617.5MHz_RB 12,#RB L	Pass	7.50	21.17	21.17	0.131	28.67	0.73621	2
2617.5MHz_RB 12,#RB M	Pass	7.50	21.14	21.14	0.130	28.64	0.73114	2
2617.5MHz_RB 12,#RB H	Pass	7.50	21.16	21.16	0.131	28.66	0.73451	2
Band 38_LTE_10MHz_OPSK_1TX	-	-	-	-	-	-	-	-
2575MHz_RB 50,#RB 0	Pass	7.50	21.67	21.67	0.147	29.17	0.826	2
2575MHz_RB 1,#RB L	Pass	7.50	22.66	22.66	0.185	30.16	1.038	2
2575MHz_RB 1,#RB M	Pass	7.50	22.75	22.75	0.188	30.25	1.059	2
2575MHz_RB 1,#RB H	Pass	7.50	22.74	22.74	0.188	30.24	1.057	2
2575MHz_RB 25,#RB L	Pass	7.50	21.63	21.63	0.146	29.13	0.818	2
2575MHz_RB 25,#RB M	Pass	7.50	21.73	21.73	0.149	29.23	0.838	2
2575MHz_RB 25,#RB H	Pass	7.50	21.70	21.70	0.148	29.20	0.832	2
2595MHz_RB 50,#RB 0	Pass	7.50	21.62	21.62	0.145	29.12	0.817	2
2595MHz_RB 1,#RB L	Pass	7.50	22.63	22.63	0.183	30.13	1.030	2
2595MHz_RB 1,#RB M	Pass	7.50	22.59	22.59	0.182	30.09	1.021	2
2595MHz_RB 1,#RB H	Pass	7.50	22.71	22.71	0.187	30.21	1.050	2
2595MHz_RB 25,#RB L	Pass	7.50	21.58	21.58	0.144	29.08	0.809	2
2595MHz_RB 25,#RB M	Pass	7.50	21.63	21.63	0.146	29.13	0.818	2
2595MHz_RB 25,#RB H	Pass	7.50	21.61	21.61	0.145	29.11	0.815	2
2615MHz_RB 50,#RB 0	Pass	7.50	21.84	21.84	0.153	29.34	0.859	2
2615MHz_RB 1,#RB L	Pass	7.50	22.75	22.75	0.188	30.25	1.059	2
2615MHz_RB 1,#RB M	Pass	7.50	22.83	22.83	0.192	30.33	1.079	2
2615MHz_RB 1,#RB H	Pass	7.50	22.86	22.86	0.193	30.36	1.086	2
2615MHz_RB 25,#RB L	Pass	7.50	21.90	21.90	0.155	29.40	0.871	2
2615MHz_RB 25,#RB M	Pass	7.50	21.92	21.92	0.156	29.42	0.875	2
2615MHz_RB 25,#RB H	Pass	7.50	21.74	21.74	0.149	29.24	0.839	2
Band 38_LTE_10MHz_16QAM_1TX	-	-	-	-	-	-	-	-
2575MHz_RB 50,#RB 0	Pass	7.50	21.03	21.03	0.127	28.53	0.71285	2
2575MHz_RB 1,#RB L	Pass	7.50	21.71	21.71	0.148	29.21	0.834	2
2575MHz_RB 1,#RB M	Pass	7.50	21.77	21.77	0.150	29.27	0.845	2
2575MHz_RB 1,#RB H	Pass	7.50	21.87	21.87	0.154	29.37	0.865	2
2575MHz_RB 25,#RB L	Pass	7.50	21.07	21.07	0.128	28.57	0.71945	2
2575MHz_RB 25,#RB M	Pass	7.50	21.01	21.01	0.126	28.51	0.70958	2
2575MHz_RB 25,#RB H	Pass	7.50	21.01	21.01	0.126	28.51	0.70958	2
2595MHz_RB 50,#RB 0	Pass	7.50	21.05	21.05	0.127	28.55	0.71614	2
2595MHz_RB 1,#RB L	Pass	7.50	21.80	21.80	0.151	29.30	0.851	2
2595MHz_RB 1,#RB M	Pass	7.50	21.88	21.88	0.154	29.38	0.867	2
2595MHz_RB 1,#RB H	Pass	7.50	21.87	21.87	0.154	29.37	0.865	2
2595MHz_RB 25,#RB L	Pass	7.50	21.13	21.13	0.130	28.63	0.72946	2
2595MHz_RB 25,#RB M	Pass	7.50	21.08	21.08	0.128	28.58	0.72111	2
2595MHz_RB 25,#RB H	Pass	7.50	21.02	21.02	0.126	28.52	0.71121	2
2615MHz_RB 50,#RB 0	Pass	7.50	21.15	21.15	0.130	28.65	0.73282	2
2615MHz_RB 1,#RB L	Pass	7.50	21.90	21.90	0.155	29.40	0.871	2
2615MHz_RB 1,#RB M	Pass	7.50	22.02	22.02	0.159	29.52	0.895	2
2615MHz_RB 1,#RB H	Pass	7.50	22.10	22.10	0.162	29.60	0.912	2
2615MHz_RB 25,#RB L	Pass	7.50	21.02	21.02	0.126	28.52	0.71121	2
2615MHz_RB 25,#RB M	Pass	7.50	21.11	21.11	0.129	28.61	0.72611	2
2615MHz_RB 25,#RB H	Pass	7.50	21.11	21.11	0.129	28.61	0.72611	2
Band 38_LTE_10MHz_64QAM_1TX	-	-	-	-	-	-	-	-
2575MHz_RB 50,#RB 0	Pass	7.50	21.07	21.07	0.128	28.57	0.71945	2
2575MHz_RB 1,#RB L	Pass	7.50	21.86	21.86	0.153	29.36	0.863	2
2575MHz_RB 1,#RB M	Pass	7.50	21.89	21.89	0.155	29.39	0.869	2
2575MHz_RB 1,#RB H	Pass	7.50	21.77	21.77	0.150	29.27	0.845	2
2575MHz_RB 25,#RB L	Pass	7.50	21.11	21.11	0.129	28.61	0.72611	2
2575MHz_RB 25,#RB M	Pass	7.50	21.06	21.06	0.128	28.56	0.71779	2
2575MHz_RB 25,#RB H	Pass	7.50	21.03	21.03	0.127	28.53	0.71285	2
2595MHz_RB 50,#RB 0	Pass	7.50	21.06	21.06	0.128	28.56	0.71779	2
2595MHz_RB 1,#RB L	Pass	7.50	21.77	21.77	0.150	29.27	0.845	2
2595MHz_RB 1,#RB M	Pass	7.50	21.82	21.82	0.152	29.32	0.855	2
2595MHz_RB 1,#RB H	Pass	7.50	22.08	22.08	0.161	29.58	0.908	2
2595MHz_RB 25,#RB L	Pass	7.50	21.12	21.12	0.129	28.62	0.72778	2

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
2595MHz_RB 25,#RB M	Pass	7.50	21.04	21.04	0.127	28.54	0.71450	2
2595MHz_RB 25,#RB H	Pass	7.50	21.07	21.07	0.128	28.57	0.71945	2
2615MHz_RB 50,#RB 0	Pass	7.50	21.12	21.12	0.129	28.62	0.72778	2
2615MHz_RB 1,#RB L	Pass	7.50	22.00	22.00	0.158	29.50	0.891	2
2615MHz_RB 1,#RB M	Pass	7.50	22.02	22.02	0.159	29.52	0.895	2
2615MHz_RB 1,#RB H	Pass	7.50	22.11	22.11	0.163	29.61	0.914	2
2615MHz_RB 25,#RB L	Pass	7.50	21.16	21.16	0.131	28.66	0.73451	2
2615MHz_RB 25,#RB M	Pass	7.50	21.12	21.12	0.129	28.62	0.72778	2
2615MHz_RB 25,#RB H	Pass	7.50	21.11	21.11	0.129	28.61	0.72611	2
Band 38_LTE_15MHz_OPSK_1TX	-	-	-	-	-	-	-	-
2577.5MHz_RB 75,#RB 0	Pass	7.50	22.01	22.01	0.159	29.51	0.893	2
2577.5MHz_RB 1,#RB L	Pass	7.50	23.00	23.00	0.200	30.50	1.122	2
2577.5MHz_RB 1,#RB M	Pass	7.50	22.94	22.94	0.197	30.44	1.107	2
2577.5MHz_RB 1,#RB H	Pass	7.50	23.00	23.00	0.200	30.50	1.122	2
2577.5MHz_RB 36,#RB L	Pass	7.50	21.94	21.94	0.156	29.44	0.879	2
2577.5MHz_RB 36,#RB M	Pass	7.50	22.00	22.00	0.158	29.50	0.891	2
2577.5MHz_RB 36,#RB H	Pass	7.50	22.00	22.00	0.158	29.50	0.891	2
2595MHz_RB 75,#RB 0	Pass	7.50	21.98	21.98	0.158	29.48	0.887	2
2595MHz_RB 1,#RB L	Pass	7.50	23.10	23.10	0.204	30.60	1.148	2
2595MHz_RB 1,#RB M	Pass	7.50	22.93	22.93	0.196	30.43	1.104	2
2595MHz_RB 1,#RB H	Pass	7.50	22.91	22.91	0.195	30.41	1.099	2
2595MHz_RB 36,#RB L	Pass	7.50	21.97	21.97	0.157	29.47	0.885	2
2595MHz_RB 36,#RB M	Pass	7.50	22.00	22.00	0.158	29.50	0.891	2
2595MHz_RB 36,#RB H	Pass	7.50	21.97	21.97	0.157	29.47	0.885	2
2612.5MHz_RB 75,#RB 0	Pass	7.50	22.10	22.10	0.162	29.60	0.912	2
2612.5MHz_RB 1,#RB L	Pass	7.50	23.12	23.12	0.205	30.62	1.153	2
2612.5MHz_RB 1,#RB M	Pass	7.50	23.08	23.08	0.203	30.58	1.143	2
2612.5MHz_RB 1,#RB H	Pass	7.50	23.06	23.06	0.202	30.56	1.138	2
2612.5MHz_RB 36,#RB L	Pass	7.50	22.15	22.15	0.164	29.65	0.923	2
2612.5MHz_RB 36,#RB M	Pass	7.50	22.15	22.15	0.164	29.65	0.923	2
2612.5MHz_RB 36,#RB H	Pass	7.50	22.19	22.19	0.166	29.69	0.931	2
Band 38_LTE_15MHz_16QAM_1TX	-	-	-	-	-	-	-	-
2577.5MHz_RB 75,#RB 0	Pass	7.50	21.02	21.02	0.126	28.52	0.711	2
2577.5MHz_RB 1,#RB L	Pass	7.50	22.08	22.08	0.161	29.58	0.908	2
2577.5MHz_RB 1,#RB M	Pass	7.50	22.03	22.03	0.160	29.53	0.897	2
2577.5MHz_RB 1,#RB H	Pass	7.50	22.14	22.14	0.164	29.64	0.920	2
2577.5MHz_RB 36,#RB L	Pass	7.50	21.02	21.02	0.126	28.52	0.711	2
2577.5MHz_RB 36,#RB M	Pass	7.50	21.04	21.04	0.127	28.54	0.714	2
2577.5MHz_RB 36,#RB H	Pass	7.50	21.01	21.01	0.126	28.51	0.710	2
2595MHz_RB 75,#RB 0	Pass	7.50	21.02	21.02	0.126	28.52	0.711	2
2595MHz_RB 1,#RB L	Pass	7.50	22.24	22.24	0.167	29.74	0.942	2
2595MHz_RB 1,#RB M	Pass	7.50	22.07	22.07	0.161	29.57	0.906	2
2595MHz_RB 1,#RB H	Pass	7.50	22.01	22.01	0.159	29.51	0.893	2
2595MHz_RB 36,#RB L	Pass	7.50	21.01	21.01	0.126	28.51	0.710	2
2595MHz_RB 36,#RB M	Pass	7.50	21.03	21.03	0.127	28.53	0.713	2
2595MHz_RB 36,#RB H	Pass	7.50	21.02	21.02	0.126	28.52	0.711	2
2612.5MHz_RB 75,#RB 0	Pass	7.50	21.15	21.15	0.130	28.65	0.733	2
2612.5MHz_RB 1,#RB L	Pass	7.50	22.24	22.24	0.167	29.74	0.942	2
2612.5MHz_RB 1,#RB M	Pass	7.50	22.21	22.21	0.166	29.71	0.935	2
2612.5MHz_RB 1,#RB H	Pass	7.50	22.23	22.23	0.167	29.73	0.940	2
2612.5MHz_RB 36,#RB L	Pass	7.50	21.16	21.16	0.131	28.66	0.735	2
2612.5MHz_RB 36,#RB M	Pass	7.50	21.19	21.19	0.132	28.69	0.740	2
2612.5MHz_RB 36,#RB H	Pass	7.50	21.25	21.25	0.133	28.75	0.750	2
Band 38_LTE_15MHz_64QAM_1TX	-	-	-	-	-	-	-	-
2577.5MHz_RB 75,#RB 0	Pass	7.50	21.05	21.05	0.127	28.55	0.716	2
2577.5MHz_RB 1,#RB L	Pass	7.50	22.20	22.20	0.166	29.70	0.933	2
2577.5MHz_RB 1,#RB M	Pass	7.50	22.24	22.24	0.167	29.74	0.942	2
2577.5MHz_RB 1,#RB H	Pass	7.50	22.33	22.33	0.171	29.83	0.962	2
2577.5MHz_RB 36,#RB L	Pass	7.50	21.03	21.03	0.127	28.53	0.713	2
2577.5MHz_RB 36,#RB M	Pass	7.50	21.04	21.04	0.127	28.54	0.714	2
2577.5MHz_RB 36,#RB H	Pass	7.50	21.02	21.02	0.126	28.52	0.71121	2
2595MHz_RB 75,#RB 0	Pass	7.50	21.03	21.03	0.127	28.53	0.713	2





**Average Power (Mode 13: LTE Band 38)**

**Appendix A.13**

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
2595MHz_RB 1,#RB L	Pass	7.50	22.40	22.40	0.174	29.90	0.977	2
2595MHz_RB 1,#RB M	Pass	7.50	22.23	22.23	0.167	29.73	0.940	2
2595MHz_RB 1,#RB H	Pass	7.50	22.22	22.22	0.167	29.72	0.938	2
2595MHz_RB 36,#RB L	Pass	7.50	21.02	21.02	0.126	28.52	0.711	2
2595MHz_RB 36,#RB M	Pass	7.50	21.02	21.02	0.126	28.52	0.711	2
2595MHz_RB 36,#RB H	Pass	7.50	21.07	21.07	0.128	28.57	0.71945	2
2612.5MHz_RB 75,#RB 0	Pass	7.50	21.14	21.14	0.130	28.64	0.731	2
2612.5MHz_RB 1,#RB L	Pass	7.50	22.37	22.37	0.173	29.87	0.971	2
2612.5MHz_RB 1,#RB M	Pass	7.50	22.36	22.36	0.172	29.86	0.968	2
2612.5MHz_RB 1,#RB H	Pass	7.50	22.35	22.35	0.172	29.85	0.966	2
2612.5MHz_RB 36,#RB L	Pass	7.50	21.16	21.16	0.131	28.66	0.735	2
2612.5MHz_RB 36,#RB M	Pass	7.50	21.20	21.20	0.132	28.70	0.741	2
2612.5MHz_RB 36,#RB H	Pass	7.50	21.19	21.19	0.132	28.69	0.73961	2
Band 38_LTE_20MHz_OPSK_1TX	-	-	-	-	-	-	-	-
2580MHz_RB 100,#RB 0	Pass	7.50	21.97	21.97	0.157	29.47	0.885	2
2580MHz_RB 1,#RB L	Pass	7.50	22.88	22.88	0.194	30.38	1.091	2
2580MHz_RB 1,#RB M	Pass	7.50	22.92	22.92	0.196	30.42	1.102	2
2580MHz_RB 1,#RB H	Pass	7.50	22.93	22.93	0.196	30.43	1.104	2
2580MHz_RB 50,#RB L	Pass	7.50	21.93	21.93	0.156	29.43	0.877	2
2580MHz_RB 50,#RB M	Pass	7.50	21.71	21.71	0.148	29.21	0.834	2
2580MHz_RB 50,#RB H	Pass	7.50	21.89	21.89	0.155	29.39	0.869	2
2595MHz_RB 100,#RB 0	Pass	7.50	21.93	21.93	0.156	29.43	0.877	2
2595MHz_RB 1,#RB L	Pass	7.50	22.88	22.88	0.194	30.38	1.091	2
2595MHz_RB 1,#RB M	Pass	7.50	22.97	22.97	0.198	30.47	1.114	2
2595MHz_RB 1,#RB H	Pass	7.50	22.96	22.96	0.198	30.46	1.112	2
2595MHz_RB 50,#RB L	Pass	7.50	21.90	21.90	0.155	29.40	0.871	2
2595MHz_RB 50,#RB M	Pass	7.50	21.79	21.79	0.151	29.29	0.849	2
2595MHz_RB 50,#RB H	Pass	7.50	21.84	21.84	0.153	29.34	0.859	2
2610MHz_RB 100,#RB 0	Pass	7.50	22.06	22.06	0.161	29.56	0.904	2
2610MHz_RB 1,#RB L	Pass	7.50	23.05	23.05	0.202	30.55	1.135	2
2610MHz_RB 1,#RB M	Pass	7.50	23.00	23.00	0.200	30.50	1.122	2
2610MHz_RB 1,#RB H	Pass	7.50	23.29	23.29	0.213	30.79	1.199	2
2610MHz_RB 50,#RB L	Pass	7.50	21.92	21.92	0.156	29.42	0.875	2
2610MHz_RB 50,#RB M	Pass	7.50	21.99	21.99	0.158	29.49	0.889	2
2610MHz_RB 50,#RB H	Pass	7.50	22.03	22.03	0.160	29.53	0.897	2
Band 38_LTE_20MHz_16QAM_1TX	-	-	-	-	-	-	-	-
2580MHz_RB 100,#RB 0	Pass	7.50	21.01	21.01	0.126	28.51	0.70958	2
2580MHz_RB 1,#RB L	Pass	7.50	22.09	22.09	0.162	29.59	0.910	2
2580MHz_RB 1,#RB M	Pass	7.50	22.18	22.18	0.165	29.68	0.929	2
2580MHz_RB 1,#RB H	Pass	7.50	21.97	21.97	0.157	29.47	0.885	2
2580MHz_RB 50,#RB L	Pass	7.50	21.09	21.09	0.129	28.59	0.72277	2
2580MHz_RB 50,#RB M	Pass	7.50	21.14	21.14	0.130	28.64	0.73114	2
2580MHz_RB 50,#RB H	Pass	7.50	21.07	21.07	0.128	28.57	0.71945	2
2595MHz_RB 100,#RB 0	Pass	7.50	21.04	21.04	0.127	28.54	0.71450	2
2595MHz_RB 1,#RB L	Pass	7.50	22.06	22.06	0.161	29.56	0.904	2
2595MHz_RB 1,#RB M	Pass	7.50	22.17	22.17	0.165	29.67	0.927	2
2595MHz_RB 1,#RB H	Pass	7.50	22.08	22.08	0.161	29.58	0.908	2
2595MHz_RB 50,#RB L	Pass	7.50	21.07	21.07	0.128	28.57	0.71945	2
2595MHz_RB 50,#RB M	Pass	7.50	21.07	21.07	0.128	28.57	0.71945	2
2595MHz_RB 50,#RB H	Pass	7.50	21.11	21.11	0.129	28.61	0.72611	2
2610MHz_RB 100,#RB 0	Pass	7.50	21.09	21.09	0.129	28.59	0.72277	2
2610MHz_RB 1,#RB L	Pass	7.50	22.17	22.17	0.165	29.67	0.927	2
2610MHz_RB 1,#RB M	Pass	7.50	22.15	22.15	0.164	29.65	0.923	2
2610MHz_RB 1,#RB H	Pass	7.50	22.32	22.32	0.171	29.82	0.959	2
2610MHz_RB 50,#RB L	Pass	7.50	21.14	21.14	0.130	28.64	0.73114	2
2610MHz_RB 50,#RB M	Pass	7.50	21.13	21.13	0.130	28.63	0.72946	2
2610MHz_RB 50,#RB H	Pass	7.50	21.14	21.14	0.130	28.64	0.73114	2
Band 38_LTE_20MHz_64QAM_1TX	-	-	-	-	-	-	-	-
2580MHz_RB 100,#RB 0	Pass	7.50	21.01	21.01	0.126	28.51	0.70958	2
2580MHz_RB 1,#RB L	Pass	7.50	22.19	22.19	0.166	29.69	0.931	2
2580MHz_RB 1,#RB M	Pass	7.50	22.39	22.39	0.173	29.89	0.975	2
2580MHz_RB 1,#RB H	Pass	7.50	22.34	22.34	0.171	29.84	0.964	2

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
2580MHz_RB 50,#RB L	Pass	7.50	21.08	21.08	0.128	28.58	0.72111	2
2580MHz_RB 50,#RB M	Pass	7.50	21.08	21.08	0.128	28.58	0.72111	2
2580MHz_RB 50,#RB H	Pass	7.50	21.05	21.05	0.127	28.55	0.71614	2
2595MHz_RB 100,#RB 0	Pass	7.50	21.02	21.02	0.126	28.52	0.71121	2
2595MHz_RB 1,#RB L	Pass	7.50	22.33	22.33	0.171	29.83	0.962	2
2595MHz_RB 1,#RB M	Pass	7.50	22.26	22.26	0.168	29.76	0.946	2
2595MHz_RB 1,#RB H	Pass	7.50	22.16	22.16	0.164	29.66	0.925	2
2595MHz_RB 50,#RB L	Pass	7.50	21.11	21.11	0.129	28.61	0.72611	2
2595MHz_RB 50,#RB M	Pass	7.50	21.06	21.06	0.128	28.56	0.71779	2
2595MHz_RB 50,#RB H	Pass	7.50	21.04	21.04	0.127	28.54	0.71450	2
2610MHz_RB 100,#RB 0	Pass	7.50	21.07	21.07	0.128	28.57	0.71945	2
2610MHz_RB 1,#RB L	Pass	7.50	22.42	22.42	0.175	29.92	0.982	2
2610MHz_RB 1,#RB M	Pass	7.50	22.31	22.31	0.170	29.81	0.957	2
2610MHz_RB 1,#RB H	Pass	7.50	22.64	22.64	0.184	30.14	1.033	2
2610MHz_RB 50,#RB L	Pass	7.50	21.10	21.10	0.129	28.60	0.72444	2
2610MHz_RB 50,#RB M	Pass	7.50	21.11	21.11	0.129	28.61	0.72611	2
2610MHz_RB 50,#RB H	Pass	7.50	21.09	21.09	0.129	28.59	0.72277	2

DG = Directional Gain; Port n = Port n output power



**Summary**

Mode	Power (dBm)	Power (W)	EIRP (dBm)	EIRP
				(W)
Band 41	-	-	-	-
LTE_5MHz_1TX	23.20	0.209	30.70	1.175
LTE_5MHz_1TX	22.34	0.171	29.84	0.964
LTE_5MHz_1TX	22.62	0.183	30.12	1.028
LTE_10MHz_1TX	23.18	0.208	30.68	1.169
LTE_10MHz_1TX	22.48	0.177	29.98	0.995
LTE_10MHz_1TX	22.57	0.181	30.07	1.016
LTE_15MHz_1TX	23.31	0.214	30.81	1.205
LTE_15MHz_1TX	22.52	0.179	30.02	1.005
LTE_15MHz_1TX	22.56	0.180	30.06	1.014
LTE_20MHz_1TX	23.30	0.214	30.80	1.202
LTE_20MHz_1TX	22.40	0.174	29.90	0.977
LTE_20MHz_1TX	22.55	0.180	30.05	1.012

DG = Directional Gain; Port n = Port n output power



## Average Power (Mode 14: LTE Band 41)

## Appendix A.14

### Result

Mode	Result	DG (dB)	Power (dBm)	Power (W)	Port 1 (dBm)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
Band 41_LTE_5MHz_1TX	-	-	-	-	-	-	-	-
2498.5MHz_QPSK_RB 25,#RB 0	Pass	7.50	21.89	0.155	21.89	29.39	0.869	2
2498.5MHz_QPSK_RB 1,#RB L	Pass	7.50	22.78	0.190	22.78	30.28	1.067	2
2498.5MHz_QPSK_RB 1,#RB M	Pass	7.50	23.04	0.201	23.04	30.54	1.132	2
2498.5MHz_QPSK_RB 1,#RB H	Pass	7.50	23.06	0.202	23.06	30.56	1.138	2
2498.5MHz_QPSK_RB 12,#RB L	Pass	7.50	22.02	0.159	22.02	29.52	0.895	2
2498.5MHz_QPSK_RB 12,#RB M	Pass	7.50	22.04	0.160	22.04	29.54	0.899	2
2498.5MHz_QPSK_RB 12,#RB H	Pass	7.50	22.07	0.161	22.07	29.57	0.906	2
2593MHz_QPSK_RB 25,#RB 0	Pass	7.50	22.08	0.161	22.08	29.58	0.908	2
2593MHz_QPSK_RB 1,#RB L	Pass	7.50	23.18	0.208	23.18	30.68	1.169	2
2593MHz_QPSK_RB 1,#RB M	Pass	7.50	23.08	0.203	23.08	30.58	1.143	2
2593MHz_QPSK_RB 1,#RB H	Pass	7.50	23.11	0.205	23.11	30.61	1.151	2
2593MHz_QPSK_RB 12,#RB L	Pass	7.50	22.17	0.165	22.17	29.67	0.927	2
2593MHz_QPSK_RB 12,#RB M	Pass	7.50	22.26	0.168	22.26	29.76	0.946	2
2593MHz_QPSK_RB 12,#RB H	Pass	7.50	22.11	0.163	22.11	29.61	0.914	2
2687.5MHz_QPSK_RB 25,#RB 0	Pass	7.50	22.14	0.164	22.14	29.64	0.920	2
2687.5MHz_QPSK_RB 1,#RB L	Pass	7.50	23.14	0.206	23.14	30.64	1.159	2
2687.5MHz_QPSK_RB 1,#RB M	Pass	7.50	23.08	0.203	23.08	30.58	1.143	2
2687.5MHz_QPSK_RB 1,#RB H	Pass	7.50	23.20	0.209	23.20	30.70	1.175	2
2687.5MHz_QPSK_RB 12,#RB L	Pass	7.50	22.25	0.168	22.25	29.75	0.944	2
2687.5MHz_QPSK_RB 12,#RB M	Pass	7.50	22.26	0.168	22.26	29.76	0.946	2
2687.5MHz_QPSK_RB 12,#RB H	Pass	7.50	22.34	0.171	22.34	29.84	0.964	2
2498.5MHz_16QAM_RB 25,#RB 0	Pass	7.50	21.22	0.132	21.22	28.72	0.745	2
2498.5MHz_16QAM_RB 1,#RB L	Pass	7.50	21.87	0.154	21.87	29.37	0.865	2
2498.5MHz_16QAM_RB 1,#RB M	Pass	7.50	21.97	0.157	21.97	29.47	0.885	2
2498.5MHz_16QAM_RB 1,#RB H	Pass	7.50	21.97	0.157	21.97	29.47	0.885	2
2498.5MHz_16QAM_RB 12,#RB L	Pass	7.50	21.19	0.132	21.19	28.69	0.740	2
2498.5MHz_16QAM_RB 12,#RB M	Pass	7.50	21.20	0.132	21.20	28.70	0.741	2
2498.5MHz_16QAM_RB 12,#RB H	Pass	7.50	21.20	0.132	21.20	28.70	0.741	2
2593MHz_16QAM_RB 25,#RB 0	Pass	7.50	21.27	0.134	21.27	28.77	0.753	2
2593MHz_16QAM_RB 1,#RB L	Pass	7.50	22.09	0.162	22.09	29.59	0.910	2
2593MHz_16QAM_RB 1,#RB M	Pass	7.50	22.34	0.171	22.34	29.84	0.964	2
2593MHz_16QAM_RB 1,#RB H	Pass	7.50	22.14	0.164	22.14	29.64	0.920	2
2593MHz_16QAM_RB 12,#RB L	Pass	7.50	21.35	0.136	21.35	28.85	0.767	2
2593MHz_16QAM_RB 12,#RB M	Pass	7.50	21.41	0.138	21.41	28.91	0.778	2
2593MHz_16QAM_RB 12,#RB H	Pass	7.50	21.37	0.137	21.37	28.87	0.771	2
2687.5MHz_16QAM_RB 25,#RB 0	Pass	7.50	21.49	0.141	21.49	28.99	0.793	2
2687.5MHz_16QAM_RB 1,#RB L	Pass	7.50	22.17	0.165	22.17	29.67	0.927	2
2687.5MHz_16QAM_RB 1,#RB M	Pass	7.50	22.18	0.165	22.18	29.68	0.929	2
2687.5MHz_16QAM_RB 1,#RB H	Pass	7.50	22.10	0.162	22.10	29.60	0.912	2
2687.5MHz_16QAM_RB 12,#RB L	Pass	7.50	21.39	0.138	21.39	28.89	0.774	2
2687.5MHz_16QAM_RB 12,#RB M	Pass	7.50	21.47	0.140	21.47	28.97	0.789	2
2687.5MHz_16QAM_RB 12,#RB H	Pass	7.50	21.51	0.142	21.51	29.01	0.796	2
2498.5MHz_64QAM_RB 25,#RB 0	Pass	7.50	21.13	0.130	21.13	28.63	0.729	2
2498.5MHz_64QAM_RB 1,#RB L	Pass	7.50	22.14	0.164	22.14	29.64	0.920	2
2498.5MHz_64QAM_RB 1,#RB M	Pass	7.50	22.22	0.167	22.22	29.72	0.938	2
2498.5MHz_64QAM_RB 1,#RB H	Pass	7.50	22.10	0.162	22.10	29.60	0.912	2
2498.5MHz_64QAM_RB 12,#RB L	Pass	7.50	21.13	0.130	21.13	28.63	0.729	2
2498.5MHz_64QAM_RB 12,#RB M	Pass	7.50	21.14	0.130	21.14	28.64	0.731	2
2498.5MHz_64QAM_RB 12,#RB H	Pass	7.50	21.11	0.129	21.11	28.61	0.726	2
2593MHz_64QAM_RB 25,#RB 0	Pass	7.50	21.39	0.138	21.39	28.89	0.774	2
2593MHz_64QAM_RB 1,#RB L	Pass	7.50	22.30	0.170	22.30	29.80	0.955	2
2593MHz_64QAM_RB 1,#RB M	Pass	7.50	22.43	0.175	22.43	29.93	0.984	2
2593MHz_64QAM_RB 1,#RB H	Pass	7.50	22.31	0.170	22.31	29.81	0.957	2
2593MHz_64QAM_RB 12,#RB L	Pass	7.50	21.31	0.135	21.31	28.81	0.760	2
2593MHz_64QAM_RB 12,#RB M	Pass	7.50	21.39	0.138	21.39	28.89	0.774	2
2593MHz_64QAM_RB 12,#RB H	Pass	7.50	21.24	0.133	21.24	28.74	0.748	2
2687.5MHz_64QAM_RB 25,#RB 0	Pass	7.50	21.34	0.136	21.34	28.84	0.766	2
2687.5MHz_64QAM_RB 1,#RB L	Pass	7.50	22.31	0.170	22.31	29.81	0.957	2
2687.5MHz_64QAM_RB 1,#RB M	Pass	7.50	22.62	0.183	22.62	30.12	1.028	2
2687.5MHz_64QAM_RB 1,#RB H	Pass	7.50	22.36	0.172	22.36	29.86	0.968	2



**Average Power (Mode 14: LTE Band 41)**

**Appendix A.14**

Mode	Result	DG (dB)	Power (dBm)	Power (W)	Port 1 (dBm)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
2687.5MHz_64QAM_RB 12,#RB L	Pass	7.50	21.28	0.134	21.28	28.78	0.755	2
2687.5MHz_64QAM_RB 12,#RB M	Pass	7.50	21.36	0.137	21.36	28.86	0.769	2
2687.5MHz_64QAM_RB 12,#RB H	Pass	7.50	21.37	0.137	21.37	28.87	0.771	2
Band 41_LTE_10MHz_1TX	-	-	-	-	-	-	-	-
2501MHz_QPSK_RB 50,#RB 0	Pass	7.50	21.99	0.158	21.99	29.49	0.889	2
2501MHz_QPSK_RB 1,#RB L	Pass	7.50	22.96	0.198	22.96	30.46	1.112	2
2501MHz_QPSK_RB 1,#RB M	Pass	7.50	22.96	0.198	22.96	30.46	1.112	2
2501MHz_QPSK_RB 1,#RB H	Pass	7.50	23.00	0.200	23.00	30.50	1.122	2
2501MHz_QPSK_RB 25,#RB L	Pass	7.50	22.00	0.158	22.00	29.50	0.891	2
2501MHz_QPSK_RB 25,#RB M	Pass	7.50	22.01	0.159	22.01	29.51	0.893	2
2501MHz_QPSK_RB 25,#RB H	Pass	7.50	21.99	0.158	21.99	29.49	0.889	2
2593MHz_QPSK_RB 50,#RB 0	Pass	7.50	21.96	0.157	21.96	29.46	0.883	2
2593MHz_QPSK_RB 1,#RB L	Pass	7.50	23.14	0.206	23.14	30.64	1.159	2
2593MHz_QPSK_RB 1,#RB M	Pass	7.50	23.14	0.206	23.14	30.64	1.159	2
2593MHz_QPSK_RB 1,#RB H	Pass	7.50	23.18	0.208	23.18	30.68	1.169	2
2593MHz_QPSK_RB 25,#RB L	Pass	7.50	22.08	0.161	22.08	29.58	0.908	2
2593MHz_QPSK_RB 25,#RB M	Pass	7.50	22.12	0.163	22.12	29.62	0.916	2
2593MHz_QPSK_RB 25,#RB H	Pass	7.50	22.15	0.164	22.15	29.65	0.923	2
2685MHz_QPSK_RB 50,#RB 0	Pass	7.50	22.08	0.161	22.08	29.58	0.908	2
2685MHz_QPSK_RB 1,#RB L	Pass	7.50	23.14	0.206	23.14	30.64	1.159	2
2685MHz_QPSK_RB 1,#RB M	Pass	7.50	23.10	0.204	23.10	30.60	1.148	2
2685MHz_QPSK_RB 1,#RB H	Pass	7.50	23.11	0.205	23.11	30.61	1.151	2
2685MHz_QPSK_RB 25,#RB L	Pass	7.50	22.18	0.165	22.18	29.68	0.929	2
2685MHz_QPSK_RB 25,#RB M	Pass	7.50	22.14	0.164	22.14	29.64	0.920	2
2685MHz_QPSK_RB 25,#RB H	Pass	7.50	22.21	0.166	22.21	29.71	0.935	2
2501MHz_16QAM_RB 50,#RB 0	Pass	7.50	21.14	0.130	21.14	28.64	0.731	2
2501MHz_16QAM_RB 1,#RB L	Pass	7.50	22.13	0.163	22.13	29.63	0.918	2
2501MHz_16QAM_RB 1,#RB M	Pass	7.50	22.16	0.164	22.16	29.66	0.925	2
2501MHz_16QAM_RB 1,#RB H	Pass	7.50	22.19	0.166	22.19	29.69	0.931	2
2501MHz_16QAM_RB 25,#RB L	Pass	7.50	21.12	0.129	21.12	28.62	0.728	2
2501MHz_16QAM_RB 25,#RB M	Pass	7.50	21.15	0.130	21.15	28.65	0.733	2
2501MHz_16QAM_RB 25,#RB H	Pass	7.50	21.16	0.131	21.16	28.66	0.735	2
2593MHz_16QAM_RB 50,#RB 0	Pass	7.50	21.34	0.136	21.34	28.84	0.766	2
2593MHz_16QAM_RB 1,#RB L	Pass	7.50	22.37	0.173	22.37	29.87	0.971	2
2593MHz_16QAM_RB 1,#RB M	Pass	7.50	22.37	0.173	22.37	29.87	0.971	2
2593MHz_16QAM_RB 1,#RB H	Pass	7.50	22.39	0.173	22.39	29.89	0.975	2
2593MHz_16QAM_RB 25,#RB L	Pass	7.50	21.31	0.135	21.31	28.81	0.760	2
2593MHz_16QAM_RB 25,#RB M	Pass	7.50	21.38	0.137	21.38	28.88	0.773	2
2593MHz_16QAM_RB 25,#RB H	Pass	7.50	21.38	0.137	21.38	28.88	0.773	2
2685MHz_16QAM_RB 50,#RB 0	Pass	7.50	21.41	0.138	21.41	28.91	0.778	2
2685MHz_16QAM_RB 1,#RB L	Pass	7.50	22.38	0.173	22.38	29.88	0.973	2
2685MHz_16QAM_RB 1,#RB M	Pass	7.50	22.48	0.177	22.48	29.98	0.995	2
2685MHz_16QAM_RB 1,#RB H	Pass	7.50	22.42	0.175	22.42	29.92	0.982	2
2685MHz_16QAM_RB 25,#RB L	Pass	7.50	21.42	0.139	21.42	28.92	0.780	2
2685MHz_16QAM_RB 25,#RB M	Pass	7.50	21.45	0.140	21.45	28.95	0.785	2
2685MHz_16QAM_RB 25,#RB H	Pass	7.50	21.49	0.141	21.49	28.99	0.793	2
2501MHz_64QAM_RB 50,#RB 0	Pass	7.50	21.15	0.130	21.15	28.65	0.733	2
2501MHz_64QAM_RB 1,#RB L	Pass	7.50	22.17	0.165	22.17	29.67	0.927	2
2501MHz_64QAM_RB 1,#RB M	Pass	7.50	22.24	0.167	22.24	29.74	0.942	2
2501MHz_64QAM_RB 1,#RB H	Pass	7.50	22.21	0.166	22.21	29.71	0.935	2
2501MHz_64QAM_RB 25,#RB L	Pass	7.50	21.17	0.131	21.17	28.67	0.736	2
2501MHz_64QAM_RB 25,#RB M	Pass	7.50	21.19	0.132	21.19	28.69	0.740	2
2501MHz_64QAM_RB 25,#RB H	Pass	7.50	21.21	0.132	21.21	28.71	0.743	2
2593MHz_64QAM_RB 50,#RB 0	Pass	7.50	21.22	0.132	21.22	28.72	0.745	2
2593MHz_64QAM_RB 1,#RB L	Pass	7.50	22.46	0.176	22.46	29.96	0.991	2
2593MHz_64QAM_RB 1,#RB M	Pass	7.50	22.48	0.177	22.48	29.98	0.995	2
2593MHz_64QAM_RB 1,#RB H	Pass	7.50	22.53	0.179	22.53	30.03	1.007	2
2593MHz_64QAM_RB 25,#RB L	Pass	7.50	21.40	0.138	21.40	28.90	0.776	2
2593MHz_64QAM_RB 25,#RB M	Pass	7.50	21.34	0.136	21.34	28.84	0.766	2
2593MHz_64QAM_RB 25,#RB H	Pass	7.50	21.34	0.136	21.34	28.84	0.766	2
2685MHz_64QAM_RB 50,#RB 0	Pass	7.50	21.30	0.135	21.30	28.80	0.759	2
2685MHz_64QAM_RB 1,#RB L	Pass	7.50	22.55	0.180	22.55	30.05	1.012	2



**Average Power (Mode 14: LTE Band 41)**

**Appendix A.14**

Mode	Result	DG (dB)	Power (dBm)	Power (W)	Port 1 (dBm)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
2685MHz_64QAM_RB 1,#RB M	Pass	7.50	22.55	0.180	22.55	30.05	1.012	2
2685MHz_64QAM_RB 1,#RB H	Pass	7.50	22.57	0.181	22.57	30.07	1.016	2
2685MHz_64QAM_RB 25,#RB L	Pass	7.50	21.43	0.139	21.43	28.93	0.782	2
2685MHz_64QAM_RB 25,#RB M	Pass	7.50	21.42	0.139	21.42	28.92	0.780	2
2685MHz_64QAM_RB 25,#RB H	Pass	7.50	21.41	0.138	21.41	28.91	0.778	2
Band 41_LTE_15MHz_1TX	-	-	-	-	-	-	-	-
2503.5MHz_OPSK_RB 75,#RB 0	Pass	7.50	22.05	0.160	22.05	29.55	0.902	2
2503.5MHz_OPSK_RB 1,#RB L	Pass	7.50	23.04	0.201	23.04	30.54	1.132	2
2503.5MHz_OPSK_RB 1,#RB M	Pass	7.50	23.09	0.204	23.09	30.59	1.146	2
2503.5MHz_OPSK_RB 1,#RB H	Pass	7.50	23.15	0.207	23.15	30.65	1.161	2
2503.5MHz_OPSK_RB 36,#RB L	Pass	7.50	21.90	0.155	21.90	29.40	0.871	2
2503.5MHz_OPSK_RB 36,#RB M	Pass	7.50	21.68	0.147	21.68	29.18	0.828	2
2503.5MHz_OPSK_RB 36,#RB H	Pass	7.50	21.90	0.155	21.90	29.40	0.871	2
2593MHz_OPSK_RB 75,#RB 0	Pass	7.50	22.09	0.162	22.09	29.59	0.910	2
2593MHz_OPSK_RB 1,#RB L	Pass	7.50	23.21	0.209	23.21	30.71	1.178	2
2593MHz_OPSK_RB 1,#RB M	Pass	7.50	23.23	0.210	23.23	30.73	1.183	2
2593MHz_OPSK_RB 1,#RB H	Pass	7.50	23.30	0.214	23.30	30.80	1.202	2
2593MHz_OPSK_RB 36,#RB L	Pass	7.50	22.04	0.160	22.04	29.54	0.899	2
2593MHz_OPSK_RB 36,#RB M	Pass	7.50	21.90	0.155	21.90	29.40	0.871	2
2593MHz_OPSK_RB 36,#RB H	Pass	7.50	22.13	0.163	22.13	29.63	0.918	2
2682.5MHz_OPSK_RB 75,#RB 0	Pass	7.50	22.23	0.167	22.23	29.73	0.940	2
2682.5MHz_OPSK_RB 1,#RB L	Pass	7.50	23.25	0.211	23.25	30.75	1.189	2
2682.5MHz_OPSK_RB 1,#RB M	Pass	7.50	23.24	0.211	23.24	30.74	1.186	2
2682.5MHz_OPSK_RB 1,#RB H	Pass	7.50	23.31	0.214	23.31	30.81	1.205	2
2682.5MHz_OPSK_RB 36,#RB L	Pass	7.50	22.18	0.165	22.18	29.68	0.929	2
2682.5MHz_OPSK_RB 36,#RB M	Pass	7.50	21.97	0.157	21.97	29.47	0.885	2
2682.5MHz_OPSK_RB 36,#RB H	Pass	7.50	22.23	0.167	22.23	29.73	0.940	2
2503.5MHz_16QAM_RB 75,#RB 0	Pass	7.50	21.17	0.131	21.17	28.67	0.736	2
2503.5MHz_16QAM_RB 1,#RB L	Pass	7.50	22.18	0.165	22.18	29.68	0.929	2
2503.5MHz_16QAM_RB 1,#RB M	Pass	7.50	22.10	0.162	22.10	29.60	0.912	2
2503.5MHz_16QAM_RB 1,#RB H	Pass	7.50	22.13	0.163	22.13	29.63	0.918	2
2503.5MHz_16QAM_RB 36,#RB L	Pass	7.50	21.10	0.129	21.10	28.60	0.724	2
2503.5MHz_16QAM_RB 36,#RB M	Pass	7.50	21.17	0.131	21.17	28.67	0.736	2
2503.5MHz_16QAM_RB 36,#RB H	Pass	7.50	21.13	0.130	21.13	28.63	0.729	2
2593MHz_16QAM_RB 75,#RB 0	Pass	7.50	21.24	0.133	21.24	28.74	0.748	2
2593MHz_16QAM_RB 1,#RB L	Pass	7.50	22.35	0.172	22.35	29.85	0.966	2
2593MHz_16QAM_RB 1,#RB M	Pass	7.50	22.38	0.173	22.38	29.88	0.973	2
2593MHz_16QAM_RB 1,#RB H	Pass	7.50	22.35	0.172	22.35	29.85	0.966	2
2593MHz_16QAM_RB 36,#RB L	Pass	7.50	21.33	0.136	21.33	28.83	0.764	2
2593MHz_16QAM_RB 36,#RB M	Pass	7.50	21.41	0.138	21.41	28.91	0.778	2
2593MHz_16QAM_RB 36,#RB H	Pass	7.50	21.35	0.136	21.35	28.85	0.767	2
2682.5MHz_16QAM_RB 75,#RB 0	Pass	7.50	21.38	0.137	21.38	28.88	0.773	2
2682.5MHz_16QAM_RB 1,#RB L	Pass	7.50	22.41	0.174	22.41	29.91	0.979	2
2682.5MHz_16QAM_RB 1,#RB M	Pass	7.50	22.38	0.173	22.38	29.88	0.973	2
2682.5MHz_16QAM_RB 1,#RB H	Pass	7.50	22.52	0.179	22.52	30.02	1.005	2
2682.5MHz_16QAM_RB 36,#RB L	Pass	7.50	21.36	0.137	21.36	28.86	0.769	2
2682.5MHz_16QAM_RB 36,#RB M	Pass	7.50	21.46	0.140	21.46	28.96	0.787	2
2682.5MHz_16QAM_RB 36,#RB H	Pass	7.50	21.48	0.141	21.48	28.98	0.791	2
2503.5MHz_64QAM_RB 75,#RB 0	Pass	7.50	21.14	0.130	21.14	28.64	0.731	2
2503.5MHz_64QAM_RB 1,#RB L	Pass	7.50	22.21	0.166	22.21	29.71	0.935	2
2503.5MHz_64QAM_RB 1,#RB M	Pass	7.50	22.23	0.167	22.23	29.73	0.940	2
2503.5MHz_64QAM_RB 1,#RB H	Pass	7.50	22.23	0.167	22.23	29.73	0.940	2
2503.5MHz_64QAM_RB 36,#RB L	Pass	7.50	21.10	0.129	21.10	28.60	0.724	2
2503.5MHz_64QAM_RB 36,#RB M	Pass	7.50	21.06	0.128	21.06	28.56	0.718	2
2503.5MHz_64QAM_RB 36,#RB H	Pass	7.50	21.21	0.132	21.21	28.71	0.743	2
2593MHz_64QAM_RB 75,#RB 0	Pass	7.50	21.30	0.135	21.30	28.80	0.759	2
2593MHz_64QAM_RB 1,#RB L	Pass	7.50	22.49	0.177	22.49	29.99	0.998	2
2593MHz_64QAM_RB 1,#RB M	Pass	7.50	22.56	0.180	22.56	30.06	1.014	2
2593MHz_64QAM_RB 1,#RB H	Pass	7.50	22.41	0.174	22.41	29.91	0.979	2
2593MHz_64QAM_RB 36,#RB L	Pass	7.50	21.38	0.137	21.38	28.88	0.773	2
2593MHz_64QAM_RB 36,#RB M	Pass	7.50	21.32	0.136	21.32	28.82	0.762	2
2593MHz_64QAM_RB 36,#RB H	Pass	7.50	21.42	0.139	21.42	28.92	0.780	2



## Average Power (Mode 14: LTE Band 41)

## Appendix A.14

Mode	Result	DG (dB)	Power (dBm)	Power (W)	Port 1 (dBm)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
2682.5MHz_64QAM_RB 75,#RB 0	Pass	7.50	21.38	0.137	21.38	28.88	0.773	2
2682.5MHz_64QAM_RB 1,#RB L	Pass	7.50	22.43	0.175	22.43	29.93	0.984	2
2682.5MHz_64QAM_RB 1,#RB M	Pass	7.50	22.50	0.178	22.50	30.00	1.000	2
2682.5MHz_64QAM_RB 1,#RB H	Pass	7.50	22.51	0.178	22.51	30.01	1.002	2
2682.5MHz_64QAM_RB 36,#RB L	Pass	7.50	21.48	0.141	21.48	28.98	0.791	2
2682.5MHz_64QAM_RB 36,#RB M	Pass	7.50	21.36	0.137	21.36	28.86	0.769	2
2682.5MHz_64QAM_RB 36,#RB H	Pass	7.50	21.47	0.140	21.47	28.97	0.789	2
Band 41_LTE_20MHz_1TX	-	-	-	-	-	-	-	-
2506MHz_QPSK_RB 100,#RB 0	Pass	7.50	22.31	0.170	22.31	29.81	0.957	2
2506MHz_QPSK_RB 1,#RB L	Pass	7.50	23.19	0.208	23.19	30.69	1.172	2
2506MHz_QPSK_RB 1,#RB M	Pass	7.50	23.09	0.204	23.09	30.59	1.146	2
2506MHz_QPSK_RB 1,#RB H	Pass	7.50	23.16	0.207	23.16	30.66	1.164	2
2506MHz_QPSK_RB 50,#RB L	Pass	7.50	21.74	0.149	21.74	29.24	0.839	2
2506MHz_QPSK_RB 50,#RB M	Pass	7.50	21.53	0.142	21.53	29.03	0.800	2
2506MHz_QPSK_RB 50,#RB H	Pass	7.50	21.80	0.151	21.80	29.30	0.851	2
2593MHz_QPSK_RB 100,#RB 0	Pass	7.50	22.47	0.177	22.47	29.97	0.993	2
2593MHz_QPSK_RB 1,#RB L	Pass	7.50	23.21	0.209	23.21	30.71	1.178	2
2593MHz_QPSK_RB 1,#RB M	Pass	7.50	23.23	0.210	23.23	30.73	1.183	2
2593MHz_QPSK_RB 1,#RB H	Pass	7.50	23.12	0.205	23.12	30.62	1.153	2
2593MHz_QPSK_RB 50,#RB L	Pass	7.50	21.87	0.154	21.87	29.37	0.865	2
2593MHz_QPSK_RB 50,#RB M	Pass	7.50	21.50	0.141	21.50	29.00	0.794	2
2593MHz_QPSK_RB 50,#RB H	Pass	7.50	21.87	0.154	21.87	29.37	0.865	2
2680MHz_QPSK_RB 100,#RB 0	Pass	7.50	22.51	0.178	22.51	30.01	1.002	2
2680MHz_QPSK_RB 1,#RB L	Pass	7.50	23.30	0.214	23.30	30.80	1.202	2
2680MHz_QPSK_RB 1,#RB M	Pass	7.50	23.25	0.211	23.25	30.75	1.189	2
2680MHz_QPSK_RB 1,#RB H	Pass	7.50	23.23	0.210	23.23	30.73	1.183	2
2680MHz_QPSK_RB 50,#RB L	Pass	7.50	21.97	0.157	21.97	29.47	0.885	2
2680MHz_QPSK_RB 50,#RB M	Pass	7.50	21.82	0.152	21.82	29.32	0.855	2
2680MHz_QPSK_RB 50,#RB H	Pass	7.50	21.98	0.158	21.98	29.48	0.887	2
2506MHz_16QAM_RB 100,#RB 0	Pass	7.50	21.10	0.129	21.10	28.60	0.724	2
2506MHz_16QAM_RB 1,#RB L	Pass	7.50	22.13	0.163	22.13	29.63	0.918	2
2506MHz_16QAM_RB 1,#RB M	Pass	7.50	22.10	0.162	22.10	29.60	0.912	2
2506MHz_16QAM_RB 1,#RB H	Pass	7.50	22.09	0.162	22.09	29.59	0.910	2
2506MHz_16QAM_RB 50,#RB L	Pass	7.50	21.22	0.132	21.22	28.72	0.745	2
2506MHz_16QAM_RB 50,#RB M	Pass	7.50	21.16	0.131	21.16	28.66	0.735	2
2506MHz_16QAM_RB 50,#RB H	Pass	7.50	21.22	0.132	21.22	28.72	0.745	2
2593MHz_16QAM_RB 100,#RB 0	Pass	7.50	21.27	0.134	21.27	28.77	0.753	2
2593MHz_16QAM_RB 1,#RB L	Pass	7.50	22.37	0.173	22.37	29.87	0.971	2
2593MHz_16QAM_RB 1,#RB M	Pass	7.50	22.39	0.173	22.39	29.89	0.975	2
2593MHz_16QAM_RB 1,#RB H	Pass	7.50	22.38	0.173	22.38	29.88	0.973	2
2593MHz_16QAM_RB 50,#RB L	Pass	7.50	21.33	0.136	21.33	28.83	0.764	2
2593MHz_16QAM_RB 50,#RB M	Pass	7.50	21.34	0.136	21.34	28.84	0.766	2
2593MHz_16QAM_RB 50,#RB H	Pass	7.50	21.24	0.133	21.24	28.74	0.748	2
2680MHz_16QAM_RB 100,#RB 0	Pass	7.50	21.37	0.137	21.37	28.87	0.771	2
2680MHz_16QAM_RB 1,#RB L	Pass	7.50	22.40	0.174	22.40	29.90	0.977	2
2680MHz_16QAM_RB 1,#RB M	Pass	7.50	22.39	0.173	22.39	29.89	0.975	2
2680MHz_16QAM_RB 1,#RB H	Pass	7.50	22.40	0.174	22.40	29.90	0.977	2
2680MHz_16QAM_RB 50,#RB L	Pass	7.50	21.47	0.140	21.47	28.97	0.789	2
2680MHz_16QAM_RB 50,#RB M	Pass	7.50	21.43	0.139	21.43	28.93	0.782	2
2680MHz_16QAM_RB 50,#RB H	Pass	7.50	21.45	0.140	21.45	28.95	0.785	2
2506MHz_64QAM_RB 100,#RB 0	Pass	7.50	21.17	0.131	21.17	28.67	0.736	2
2506MHz_64QAM_RB 1,#RB L	Pass	7.50	22.24	0.167	22.24	29.74	0.942	2
2506MHz_64QAM_RB 1,#RB M	Pass	7.50	22.11	0.163	22.11	29.61	0.914	2
2506MHz_64QAM_RB 1,#RB H	Pass	7.50	22.10	0.162	22.10	29.60	0.912	2
2506MHz_64QAM_RB 50,#RB L	Pass	7.50	21.09	0.129	21.09	28.59	0.723	2
2506MHz_64QAM_RB 50,#RB M	Pass	7.50	21.23	0.133	21.23	28.73	0.746	2
2506MHz_64QAM_RB 50,#RB H	Pass	7.50	21.13	0.130	21.13	28.63	0.729	2
2593MHz_64QAM_RB 100,#RB 0	Pass	7.50	21.23	0.133	21.23	28.73	0.746	2
2593MHz_64QAM_RB 1,#RB L	Pass	7.50	22.46	0.176	22.46	29.96	0.991	2
2593MHz_64QAM_RB 1,#RB M	Pass	7.50	22.52	0.179	22.52	30.02	1.005	2
2593MHz_64QAM_RB 1,#RB H	Pass	7.50	22.47	0.177	22.47	29.97	0.993	2
2593MHz_64QAM_RB 50,#RB L	Pass	7.50	21.32	0.136	21.32	28.82	0.762	2



## Average Power (Mode 14: LTE Band 41)

## Appendix A.14

Mode	Result	DG (dBi)	Power (dBm)	Power (W)	Port 1 (dBm)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
2593MHz_64QAM_RB 50,#RB M	Pass	7.50	21.40	0.138	21.40	28.90	0.776	2
2593MHz_64QAM_RB 50,#RB H	Pass	7.50	21.35	0.136	21.35	28.85	0.767	2
2680MHz_64QAM_RB 100,#RB O	Pass	7.50	21.42	0.139	21.42	28.92	0.780	2
2680MHz_64QAM_RB 1,#RB L	Pass	7.50	22.55	0.180	22.55	30.05	1.012	2
2680MHz_64QAM_RB 1,#RB M	Pass	7.50	22.55	0.180	22.55	30.05	1.012	2
2680MHz_64QAM_RB 1,#RB H	Pass	7.50	22.49	0.177	22.49	29.99	0.998	2
2680MHz_64QAM_RB 50,#RB L	Pass	7.50	21.38	0.137	21.38	28.88	0.773	2
2680MHz_64QAM_RB 50,#RB M	Pass	7.50	21.42	0.139	21.42	28.92	0.780	2
2680MHz_64QAM_RB 50,#RB H	Pass	7.50	21.38	0.137	21.38	28.88	0.773	2

DG = Directional Gain; Port n = Port n output power





Summary

Mode	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)
Band 66	-	-	-	-
LTE_1.4MHz_QPSK_1TX	21.84	0.153	29.34	0.859
LTE_1.4MHz_16QAM_1TX	21.13	0.130	28.63	0.729
LTE_1.4MHz_64QAM_1TX	21.05	0.127	28.55	0.716
LTE_3MHz_QPSK_1TX	21.92	0.156	29.42	0.875
LTE_3MHz_16QAM_1TX	21.14	0.130	28.64	0.731
LTE_3MHz_64QAM_1TX	21.07	0.128	28.57	0.719
LTE_5MHz_QPSK_1TX	22.03	0.160	29.53	0.897
LTE_5MHz_16QAM_1TX	21.27	0.134	28.77	0.753
LTE_5MHz_64QAM_1TX	21.15	0.130	28.65	0.733
LTE_10MHz_QPSK_1TX	21.97	0.157	29.47	0.885
LTE_10MHz_16QAM_1TX	21.30	0.135	28.80	0.759
LTE_10MHz_64QAM_1TX	21.08	0.128	28.58	0.721
LTE_15MHz_QPSK_1TX	21.93	0.156	29.43	0.877
LTE_15MHz_16QAM_1TX	21.19	0.132	28.69	0.740
LTE_15MHz_64QAM_1TX	21.11	0.129	28.61	0.726
LTE_20MHz_QPSK_1TX	21.96	0.157	29.46	0.883
LTE_20MHz_16QAM_1TX	21.27	0.134	28.77	0.753
LTE_20MHz_64QAM_1TX	21.07	0.128	28.57	0.719

DG = Directional Gain; Port n = Port n output power

Result

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
Band 66_LTE_1.4MHz_QPSK_1TX	-	-	-	-	-	-	-	-
1710.7MHz_RB 6,#RB 0	Pass	7.50	20.59	20.59	0.115	28.09	0.644	1
1710.7MHz_RB 1,#RB L	Pass	7.50	21.51	21.51	0.142	29.01	0.796	1
1710.7MHz_RB 1,#RB M	Pass	7.50	21.66	21.66	0.147	29.16	0.824	1
1710.7MHz_RB 1,#RB H	Pass	7.50	21.57	21.57	0.144	29.07	0.807	1
1710.7MHz_RB 3,#RB L	Pass	7.50	21.56	21.56	0.143	29.06	0.805	1
1710.7MHz_RB 3,#RB M	Pass	7.50	21.58	21.58	0.144	29.08	0.809	1
1710.7MHz_RB 3,#RB H	Pass	7.50	21.55	21.55	0.143	29.05	0.804	1
1745MHz_RB 6,#RB 0	Pass	7.50	20.85	20.85	0.122	28.35	0.684	1
1745MHz_RB 1,#RB L	Pass	7.50	21.76	21.76	0.150	29.26	0.843	1
1745MHz_RB 1,#RB M	Pass	7.50	21.84	21.84	0.153	29.34	0.859	1
1745MHz_RB 1,#RB H	Pass	7.50	21.76	21.76	0.150	29.26	0.843	1
1745MHz_RB 3,#RB L	Pass	7.50	21.81	21.81	0.152	29.31	0.853	1
1745MHz_RB 3,#RB M	Pass	7.50	21.84	21.84	0.153	29.34	0.859	1
1745MHz_RB 3,#RB H	Pass	7.50	21.81	21.81	0.152	29.31	0.853	1
1779.3MHz_RB 6,#RB 0	Pass	7.50	20.63	20.63	0.116	28.13	0.650	1
1779.3MHz_RB 1,#RB L	Pass	7.50	21.58	21.58	0.144	29.08	0.809	1
1779.3MHz_RB 1,#RB M	Pass	7.50	21.66	21.66	0.147	29.16	0.824	1
1779.3MHz_RB 1,#RB H	Pass	7.50	21.54	21.54	0.143	29.04	0.802	1
1779.3MHz_RB 3,#RB L	Pass	7.50	21.60	21.60	0.145	29.10	0.813	1
1779.3MHz_RB 3,#RB M	Pass	7.50	21.63	21.63	0.146	29.13	0.818	1
1779.3MHz_RB 3,#RB H	Pass	7.50	21.61	21.61	0.145	29.11	0.815	1
Band 66_LTE_1.4MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1710.7MHz_RB 6,#RB 0	Pass	7.50	19.71	19.71	0.094	27.21	0.526	1
1710.7MHz_RB 1,#RB L	Pass	7.50	20.82	20.82	0.121	28.32	0.679	1
1710.7MHz_RB 1,#RB M	Pass	7.50	20.98	20.98	0.125	28.48	0.705	1
1710.7MHz_RB 1,#RB H	Pass	7.50	20.80	20.80	0.120	28.30	0.676	1
1710.7MHz_RB 3,#RB L	Pass	7.50	20.60	20.60	0.115	28.10	0.646	1
1710.7MHz_RB 3,#RB M	Pass	7.50	20.63	20.63	0.116	28.13	0.650	1
1710.7MHz_RB 3,#RB H	Pass	7.50	20.52	20.52	0.113	28.02	0.634	1
1745MHz_RB 6,#RB 0	Pass	7.50	19.95	19.95	0.099	27.45	0.556	1
1745MHz_RB 1,#RB L	Pass	7.50	20.97	20.97	0.125	28.47	0.703	1
1745MHz_RB 1,#RB M	Pass	7.50	21.13	21.13	0.130	28.63	0.729	1
1745MHz_RB 1,#RB H	Pass	7.50	21.04	21.04	0.127	28.54	0.714	1
1745MHz_RB 3,#RB L	Pass	7.50	20.82	20.82	0.121	28.32	0.679	1
1745MHz_RB 3,#RB M	Pass	7.50	20.87	20.87	0.122	28.37	0.687	1
1745MHz_RB 3,#RB H	Pass	7.50	20.81	20.81	0.121	28.31	0.678	1
1779.3MHz_RB 6,#RB 0	Pass	7.50	19.76	19.76	0.095	27.26	0.532	1
1779.3MHz_RB 1,#RB L	Pass	7.50	20.86	20.86	0.122	28.36	0.685	1
1779.3MHz_RB 1,#RB M	Pass	7.50	20.89	20.89	0.123	28.39	0.690	1
1779.3MHz_RB 1,#RB H	Pass	7.50	20.85	20.85	0.122	28.35	0.684	1
1779.3MHz_RB 3,#RB L	Pass	7.50	20.57	20.57	0.114	28.07	0.641	1
1779.3MHz_RB 3,#RB M	Pass	7.50	20.67	20.67	0.117	28.17	0.656	1
1779.3MHz_RB 3,#RB H	Pass	7.50	20.57	20.57	0.114	28.07	0.641	1
Band 66_LTE_1.4MHz_64QAM_1TX	-	-	-	-	-	-	-	-
1710.7MHz_RB 6,#RB 0	Pass	7.50	19.58	19.58	0.091	27.08	0.511	1
1710.7MHz_RB 1,#RB L	Pass	7.50	20.72	20.72	0.118	28.22	0.664	1
1710.7MHz_RB 1,#RB M	Pass	7.50	20.73	20.73	0.118	28.23	0.665	1
1710.7MHz_RB 1,#RB H	Pass	7.50	20.72	20.72	0.118	28.22	0.664	1
1710.7MHz_RB 3,#RB L	Pass	7.50	20.63	20.63	0.116	28.13	0.650	1
1710.7MHz_RB 3,#RB M	Pass	7.50	20.67	20.67	0.117	28.17	0.656	1
1710.7MHz_RB 3,#RB H	Pass	7.50	20.65	20.65	0.116	28.15	0.653	1
1745MHz_RB 6,#RB 0	Pass	7.50	19.90	19.90	0.098	27.40	0.550	1
1745MHz_RB 1,#RB L	Pass	7.50	20.90	20.90	0.123	28.40	0.692	1
1745MHz_RB 1,#RB M	Pass	7.50	21.05	21.05	0.127	28.55	0.716	1
1745MHz_RB 1,#RB H	Pass	7.50	20.90	20.90	0.123	28.40	0.692	1
1745MHz_RB 3,#RB L	Pass	7.50	20.84	20.84	0.121	28.34	0.682	1
1745MHz_RB 3,#RB M	Pass	7.50	20.84	20.84	0.121	28.34	0.682	1
1745MHz_RB 3,#RB H	Pass	7.50	20.84	20.84	0.121	28.34	0.682	1
1779.3MHz_RB 6,#RB 0	Pass	7.50	19.59	19.59	0.091	27.09	0.512	1
1779.3MHz_RB 1,#RB L	Pass	7.50	20.71	20.71	0.118	28.21	0.662	1



**Average Power (Mode 15: LTE Band 66)**

**Appendix A.15**

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1779.3MHz_RB 1,#RB M	Pass	7.50	20.81	20.81	0.121	28.31	0.678	1
1779.3MHz_RB 1,#RB H	Pass	7.50	20.68	20.68	0.117	28.18	0.658	1
1779.3MHz_RB 3,#RB L	Pass	7.50	20.64	20.64	0.116	28.14	0.652	1
1779.3MHz_RB 3,#RB M	Pass	7.50	20.68	20.68	0.117	28.18	0.658	1
1779.3MHz_RB 3,#RB H	Pass	7.50	20.66	20.66	0.116	28.16	0.655	1
Band 66_LTE_3MHz_OPSK_1TX	-	-	-	-	-	-	-	-
1711.5MHz_RB 15,#RB 0	Pass	7.50	20.71	20.71	0.118	28.21	0.662	1
1711.5MHz_RB 1,#RB L	Pass	7.50	21.70	21.70	0.148	29.20	0.832	1
1711.5MHz_RB 1,#RB M	Pass	7.50	21.76	21.76	0.150	29.26	0.843	1
1711.5MHz_RB 1,#RB H	Pass	7.50	21.66	21.66	0.147	29.16	0.824	1
1711.5MHz_RB 8,#RB L	Pass	7.50	20.75	20.75	0.119	28.25	0.668	1
1711.5MHz_RB 8,#RB M	Pass	7.50	20.78	20.78	0.120	28.28	0.673	1
1711.5MHz_RB 8,#RB H	Pass	7.50	20.75	20.75	0.119	28.25	0.668	1
1745MHz_RB 15,#RB 0	Pass	7.50	20.99	20.99	0.126	28.49	0.706	1
1745MHz_RB 1,#RB L	Pass	7.50	21.91	21.91	0.155	29.41	0.873	1
1745MHz_RB 1,#RB M	Pass	7.50	21.91	21.91	0.155	29.41	0.873	1
1745MHz_RB 1,#RB H	Pass	7.50	21.92	21.92	0.156	29.42	0.875	1
1745MHz_RB 8,#RB L	Pass	7.50	20.95	20.95	0.124	28.45	0.700	1
1745MHz_RB 8,#RB M	Pass	7.50	20.93	20.93	0.124	28.43	0.697	1
1745MHz_RB 8,#RB H	Pass	7.50	20.93	20.93	0.124	28.43	0.697	1
1778.5MHz_RB 15,#RB 0	Pass	7.50	20.73	20.73	0.118	28.23	0.665	1
1778.5MHz_RB 1,#RB L	Pass	7.50	21.67	21.67	0.147	29.17	0.826	1
1778.5MHz_RB 1,#RB M	Pass	7.50	21.69	21.69	0.148	29.19	0.830	1
1778.5MHz_RB 1,#RB H	Pass	7.50	21.72	21.72	0.149	29.22	0.836	1
1778.5MHz_RB 8,#RB L	Pass	7.50	20.77	20.77	0.119	28.27	0.671	1
1778.5MHz_RB 8,#RB M	Pass	7.50	20.84	20.84	0.121	28.34	0.682	1
1778.5MHz_RB 8,#RB H	Pass	7.50	20.81	20.81	0.121	28.31	0.678	1
Band 66_LTE_3MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1711.5MHz_RB 15,#RB 0	Pass	7.50	19.81	19.81	0.096	27.31	0.538	1
1711.5MHz_RB 1,#RB L	Pass	7.50	20.94	20.94	0.124	28.44	0.698	1
1711.5MHz_RB 1,#RB M	Pass	7.50	21.05	21.05	0.127	28.55	0.716	1
1711.5MHz_RB 1,#RB H	Pass	7.50	20.95	20.95	0.124	28.45	0.700	1
1711.5MHz_RB 8,#RB L	Pass	7.50	19.77	19.77	0.095	27.27	0.533	1
1711.5MHz_RB 8,#RB M	Pass	7.50	19.84	19.84	0.096	27.34	0.542	1
1711.5MHz_RB 8,#RB H	Pass	7.50	19.84	19.84	0.096	27.34	0.542	1
1745MHz_RB 15,#RB 0	Pass	7.50	20.01	20.01	0.100	27.51	0.564	1
1745MHz_RB 1,#RB L	Pass	7.50	21.14	21.14	0.130	28.64	0.731	1
1745MHz_RB 1,#RB M	Pass	7.50	21.05	21.05	0.127	28.55	0.716	1
1745MHz_RB 1,#RB H	Pass	7.50	21.12	21.12	0.129	28.62	0.728	1
1745MHz_RB 8,#RB L	Pass	7.50	20.05	20.05	0.101	27.55	0.569	1
1745MHz_RB 8,#RB M	Pass	7.50	20.12	20.12	0.103	27.62	0.578	1
1745MHz_RB 8,#RB H	Pass	7.50	20.08	20.08	0.102	27.58	0.573	1
1778.5MHz_RB 15,#RB 0	Pass	7.50	19.78	19.78	0.095	27.28	0.535	1
1778.5MHz_RB 1,#RB L	Pass	7.50	20.81	20.81	0.121	28.31	0.678	1
1778.5MHz_RB 1,#RB M	Pass	7.50	20.95	20.95	0.124	28.45	0.700	1
1778.5MHz_RB 1,#RB H	Pass	7.50	20.92	20.92	0.124	28.42	0.695	1
1778.5MHz_RB 8,#RB L	Pass	7.50	19.75	19.75	0.094	27.25	0.531	1
1778.5MHz_RB 8,#RB M	Pass	7.50	19.91	19.91	0.098	27.41	0.551	1
1778.5MHz_RB 8,#RB H	Pass	7.50	19.89	19.89	0.097	27.39	0.548	1
Band 66_LTE_3MHz_64QAM_1TX	-	-	-	-	-	-	-	-
1711.5MHz_RB 15,#RB 0	Pass	7.50	19.77	19.77	0.095	27.27	0.533	1
1711.5MHz_RB 1,#RB L	Pass	7.50	20.80	20.80	0.120	28.30	0.676	1
1711.5MHz_RB 1,#RB M	Pass	7.50	20.92	20.92	0.124	28.42	0.695	1
1711.5MHz_RB 1,#RB H	Pass	7.50	20.82	20.82	0.121	28.32	0.679	1
1711.5MHz_RB 8,#RB L	Pass	7.50	19.77	19.77	0.095	27.27	0.533	1
1711.5MHz_RB 8,#RB M	Pass	7.50	19.82	19.82	0.096	27.32	0.540	1
1711.5MHz_RB 8,#RB H	Pass	7.50	19.78	19.78	0.095	27.28	0.535	1
1745MHz_RB 15,#RB 0	Pass	7.50	19.98	19.98	0.100	27.48	0.560	1
1745MHz_RB 1,#RB L	Pass	7.50	21.07	21.07	0.128	28.57	0.719	1
1745MHz_RB 1,#RB M	Pass	7.50	20.96	20.96	0.125	28.46	0.701	1
1745MHz_RB 1,#RB H	Pass	7.50	20.99	20.99	0.126	28.49	0.706	1
1745MHz_RB 8,#RB L	Pass	7.50	20.02	20.02	0.100	27.52	0.565	1



Average Power (Mode 15: LTE Band 66)

Appendix A.15

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1745MHz_RB 8,#RB M	Pass	7.50	20.08	20.08	0.102	27.58	0.573	1
1745MHz_RB 8,#RB H	Pass	7.50	20.03	20.03	0.101	27.53	0.566	1
1778.5MHz_RB 15,#RB 0	Pass	7.50	19.76	19.76	0.095	27.26	0.532	1
1778.5MHz_RB 1,#RB L	Pass	7.50	20.85	20.85	0.122	28.35	0.684	1
1778.5MHz_RB 1,#RB M	Pass	7.50	20.80	20.80	0.120	28.30	0.676	1
1778.5MHz_RB 1,#RB H	Pass	7.50	20.76	20.76	0.119	28.26	0.670	1
1778.5MHz_RB 8,#RB L	Pass	7.50	19.79	19.79	0.095	27.29	0.536	1
1778.5MHz_RB 8,#RB M	Pass	7.50	19.86	19.86	0.097	27.36	0.545	1
1778.5MHz_RB 8,#RB H	Pass	7.50	19.83	19.83	0.096	27.33	0.541	1
Band 66_LTE_5MHz_QPSK_1TX	-	-	-	-	-	-	-	-
1712.5MHz_RB 25,#RB 0	Pass	7.50	20.74	20.74	0.119	28.24	0.667	1
1712.5MHz_RB 1,#RB L	Pass	7.50	21.67	21.67	0.147	29.17	0.826	1
1712.5MHz_RB 1,#RB M	Pass	7.50	21.77	21.77	0.150	29.27	0.845	1
1712.5MHz_RB 1,#RB H	Pass	7.50	21.70	21.70	0.148	29.20	0.832	1
1712.5MHz_RB 12,#RB L	Pass	7.50	20.75	20.75	0.119	28.25	0.668	1
1712.5MHz_RB 12,#RB M	Pass	7.50	20.79	20.79	0.120	28.29	0.675	1
1712.5MHz_RB 12,#RB H	Pass	7.50	20.78	20.78	0.120	28.28	0.673	1
1745MHz_RB 25,#RB 0	Pass	7.50	20.99	20.99	0.126	28.49	0.706	1
1745MHz_RB 1,#RB L	Pass	7.50	21.80	21.80	0.151	29.30	0.851	1
1745MHz_RB 1,#RB M	Pass	7.50	22.03	22.03	0.160	29.53	0.897	1
1745MHz_RB 1,#RB H	Pass	7.50	21.91	21.91	0.155	29.41	0.873	1
1745MHz_RB 12,#RB L	Pass	7.50	21.01	21.01	0.126	28.51	0.710	1
1745MHz_RB 12,#RB M	Pass	7.50	20.97	20.97	0.125	28.47	0.703	1
1745MHz_RB 12,#RB H	Pass	7.50	21.00	21.00	0.126	28.50	0.708	1
1777.5MHz_RB 25,#RB 0	Pass	7.50	20.78	20.78	0.120	28.28	0.673	1
1777.5MHz_RB 1,#RB L	Pass	7.50	21.68	21.68	0.147	29.18	0.828	1
1777.5MHz_RB 1,#RB M	Pass	7.50	21.78	21.78	0.151	29.28	0.847	1
1777.5MHz_RB 1,#RB H	Pass	7.50	21.70	21.70	0.148	29.20	0.832	1
1777.5MHz_RB 12,#RB L	Pass	7.50	20.75	20.75	0.119	28.25	0.668	1
1777.5MHz_RB 12,#RB M	Pass	7.50	20.80	20.80	0.120	28.30	0.676	1
1777.5MHz_RB 12,#RB H	Pass	7.50	20.76	20.76	0.119	28.26	0.670	1
Band 66_LTE_5MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1712.5MHz_RB 25,#RB 0	Pass	7.50	19.74	19.74	0.094	27.24	0.530	1
1712.5MHz_RB 1,#RB L	Pass	7.50	20.91	20.91	0.123	28.41	0.693	1
1712.5MHz_RB 1,#RB M	Pass	7.50	21.10	21.10	0.129	28.60	0.724	1
1712.5MHz_RB 1,#RB H	Pass	7.50	20.92	20.92	0.124	28.42	0.695	1
1712.5MHz_RB 12,#RB L	Pass	7.50	19.81	19.81	0.096	27.31	0.538	1
1712.5MHz_RB 12,#RB M	Pass	7.50	19.85	19.85	0.097	27.35	0.543	1
1712.5MHz_RB 12,#RB H	Pass	7.50	19.81	19.81	0.096	27.31	0.538	1
1745MHz_RB 25,#RB 0	Pass	7.50	20.02	20.02	0.100	27.52	0.565	1
1745MHz_RB 1,#RB L	Pass	7.50	21.10	21.10	0.129	28.60	0.724	1
1745MHz_RB 1,#RB M	Pass	7.50	21.27	21.27	0.134	28.77	0.753	1
1745MHz_RB 1,#RB H	Pass	7.50	21.04	21.04	0.127	28.54	0.714	1
1745MHz_RB 12,#RB L	Pass	7.50	20.05	20.05	0.101	27.55	0.569	1
1745MHz_RB 12,#RB M	Pass	7.50	20.07	20.07	0.102	27.57	0.571	1
1745MHz_RB 12,#RB H	Pass	7.50	20.03	20.03	0.101	27.53	0.566	1
1777.5MHz_RB 25,#RB 0	Pass	7.50	19.81	19.81	0.096	27.31	0.538	1
1777.5MHz_RB 1,#RB L	Pass	7.50	20.91	20.91	0.123	28.41	0.693	1
1777.5MHz_RB 1,#RB M	Pass	7.50	20.97	20.97	0.125	28.47	0.703	1
1777.5MHz_RB 1,#RB H	Pass	7.50	20.96	20.96	0.125	28.46	0.701	1
1777.5MHz_RB 12,#RB L	Pass	7.50	19.76	19.76	0.095	27.26	0.532	1
1777.5MHz_RB 12,#RB M	Pass	7.50	19.82	19.82	0.096	27.32	0.540	1
1777.5MHz_RB 12,#RB H	Pass	7.50	19.80	19.80	0.095	27.30	0.537	1
Band 66_LTE_5MHz_64QAM_1TX	-	-	-	-	-	-	-	-
1712.5MHz_RB 25,#RB 0	Pass	7.50	19.79	19.79	0.095	27.29	0.536	1
1712.5MHz_RB 1,#RB L	Pass	7.50	20.72	20.72	0.118	28.22	0.664	1
1712.5MHz_RB 1,#RB M	Pass	7.50	20.93	20.93	0.124	28.43	0.697	1
1712.5MHz_RB 1,#RB H	Pass	7.50	20.80	20.80	0.120	28.30	0.676	1
1712.5MHz_RB 12,#RB L	Pass	7.50	19.78	19.78	0.095	27.28	0.535	1
1712.5MHz_RB 12,#RB M	Pass	7.50	19.80	19.80	0.095	27.30	0.537	1
1712.5MHz_RB 12,#RB H	Pass	7.50	19.78	19.78	0.095	27.28	0.535	1
1745MHz_RB 25,#RB 0	Pass	7.50	20.03	20.03	0.101	27.53	0.566	1



**Average Power (Mode 15: LTE Band 66)**

**Appendix A.15**

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1745MHz_RB 1,#RB L	Pass	7.50	21.01	21.01	0.126	28.51	0.710	1
1745MHz_RB 1,#RB M	Pass	7.50	21.15	21.15	0.130	28.65	0.733	1
1745MHz_RB 1,#RB H	Pass	7.50	21.01	21.01	0.126	28.51	0.710	1
1745MHz_RB 12,#RB L	Pass	7.50	20.01	20.01	0.100	27.51	0.564	1
1745MHz_RB 12,#RB M	Pass	7.50	20.02	20.02	0.100	27.52	0.565	1
1745MHz_RB 12,#RB H	Pass	7.50	20.01	20.01	0.100	27.51	0.564	1
1777.5MHz_RB 25,#RB 0	Pass	7.50	19.79	19.79	0.095	27.29	0.536	1
1777.5MHz_RB 1,#RB L	Pass	7.50	20.85	20.85	0.122	28.35	0.684	1
1777.5MHz_RB 1,#RB M	Pass	7.50	20.90	20.90	0.123	28.40	0.692	1
1777.5MHz_RB 1,#RB H	Pass	7.50	20.85	20.85	0.122	28.35	0.684	1
1777.5MHz_RB 12,#RB L	Pass	7.50	19.72	19.72	0.094	27.22	0.527	1
1777.5MHz_RB 12,#RB M	Pass	7.50	19.80	19.80	0.095	27.30	0.537	1
1777.5MHz_RB 12,#RB H	Pass	7.50	19.76	19.76	0.095	27.26	0.532	1
Band 66_LTE_10MHz_OPSK_1TX	-	-	-	-	-	-	-	-
1715MHz_RB 50,#RB 0	Pass	7.50	20.77	20.77	0.119	28.27	0.671	1
1715MHz_RB 1,#RB L	Pass	7.50	21.69	21.69	0.148	29.19	0.830	1
1715MHz_RB 1,#RB M	Pass	7.50	21.79	21.79	0.151	29.29	0.849	1
1715MHz_RB 1,#RB H	Pass	7.50	21.87	21.87	0.154	29.37	0.865	1
1715MHz_RB 25,#RB L	Pass	7.50	20.77	20.77	0.119	28.27	0.671	1
1715MHz_RB 25,#RB M	Pass	7.50	20.83	20.83	0.121	28.33	0.681	1
1715MHz_RB 25,#RB H	Pass	7.50	20.81	20.81	0.121	28.31	0.678	1
1745MHz_RB 50,#RB 0	Pass	7.50	20.98	20.98	0.125	28.48	0.705	1
1745MHz_RB 1,#RB L	Pass	7.50	21.94	21.94	0.156	29.44	0.879	1
1745MHz_RB 1,#RB M	Pass	7.50	21.97	21.97	0.157	29.47	0.885	1
1745MHz_RB 1,#RB H	Pass	7.50	21.92	21.92	0.156	29.42	0.875	1
1745MHz_RB 25,#RB L	Pass	7.50	20.94	20.94	0.124	28.44	0.698	1
1745MHz_RB 25,#RB M	Pass	7.50	21.08	21.08	0.128	28.58	0.721	1
1745MHz_RB 25,#RB H	Pass	7.50	21.02	21.02	0.126	28.52	0.711	1
1775MHz_RB 50,#RB 0	Pass	7.50	20.74	20.74	0.119	28.24	0.667	1
1775MHz_RB 1,#RB L	Pass	7.50	21.71	21.71	0.148	29.21	0.834	1
1775MHz_RB 1,#RB M	Pass	7.50	21.73	21.73	0.149	29.23	0.838	1
1775MHz_RB 1,#RB H	Pass	7.50	21.77	21.77	0.150	29.27	0.845	1
1775MHz_RB 25,#RB L	Pass	7.50	20.76	20.76	0.119	28.26	0.670	1
1775MHz_RB 25,#RB M	Pass	7.50	20.81	20.81	0.121	28.31	0.678	1
1775MHz_RB 25,#RB H	Pass	7.50	20.78	20.78	0.120	28.28	0.673	1
Band 66_LTE_10MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1715MHz_RB 50,#RB 0	Pass	7.50	19.82	19.82	0.096	27.32	0.540	1
1715MHz_RB 1,#RB L	Pass	7.50	21.05	21.05	0.127	28.55	0.716	1
1715MHz_RB 1,#RB M	Pass	7.50	21.11	21.11	0.129	28.61	0.726	1
1715MHz_RB 1,#RB H	Pass	7.50	21.10	21.10	0.129	28.60	0.724	1
1715MHz_RB 25,#RB L	Pass	7.50	19.80	19.80	0.095	27.30	0.537	1
1715MHz_RB 25,#RB M	Pass	7.50	19.90	19.90	0.098	27.40	0.550	1
1715MHz_RB 25,#RB H	Pass	7.50	19.89	19.89	0.097	27.39	0.548	1
1745MHz_RB 50,#RB 0	Pass	7.50	20.02	20.02	0.100	27.52	0.565	1
1745MHz_RB 1,#RB L	Pass	7.50	21.23	21.23	0.133	28.73	0.746	1
1745MHz_RB 1,#RB M	Pass	7.50	21.26	21.26	0.134	28.76	0.752	1
1745MHz_RB 1,#RB H	Pass	7.50	21.30	21.30	0.135	28.80	0.759	1
1745MHz_RB 25,#RB L	Pass	7.50	20.06	20.06	0.101	27.56	0.570	1
1745MHz_RB 25,#RB M	Pass	7.50	20.09	20.09	0.102	27.59	0.574	1
1745MHz_RB 25,#RB H	Pass	7.50	20.05	20.05	0.101	27.55	0.569	1
1775MHz_RB 50,#RB 0	Pass	7.50	19.78	19.78	0.095	27.28	0.535	1
1775MHz_RB 1,#RB L	Pass	7.50	21.05	21.05	0.127	28.55	0.716	1
1775MHz_RB 1,#RB M	Pass	7.50	21.04	21.04	0.127	28.54	0.714	1
1775MHz_RB 1,#RB H	Pass	7.50	20.97	20.97	0.125	28.47	0.703	1
1775MHz_RB 25,#RB L	Pass	7.50	19.82	19.82	0.096	27.32	0.540	1
1775MHz_RB 25,#RB M	Pass	7.50	19.80	19.80	0.095	27.30	0.537	1
1775MHz_RB 25,#RB H	Pass	7.50	19.74	19.74	0.094	27.24	0.530	1
Band 66_LTE_10MHz_64QAM_1TX	-	-	-	-	-	-	-	-
1715MHz_RB 50,#RB 0	Pass	7.50	19.82	19.82	0.096	27.32	0.540	1
1715MHz_RB 1,#RB L	Pass	7.50	20.90	20.90	0.123	28.40	0.692	1
1715MHz_RB 1,#RB M	Pass	7.50	20.94	20.94	0.124	28.44	0.698	1
1715MHz_RB 1,#RB H	Pass	7.50	20.88	20.88	0.122	28.38	0.689	1



**Average Power (Mode 15: LTE Band 66)**

**Appendix A.15**

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1715MHz_RB 25,#RB L	Pass	7.50	19.80	19.80	0.095	27.30	0.537	1
1715MHz_RB 25,#RB M	Pass	7.50	19.88	19.88	0.097	27.38	0.547	1
1715MHz_RB 25,#RB H	Pass	7.50	19.88	19.88	0.097	27.38	0.547	1
1745MHz_RB 50,#RB 0	Pass	7.50	20.06	20.06	0.101	27.56	0.570	1
1745MHz_RB 1,#RB L	Pass	7.50	21.08	21.08	0.128	28.58	0.721	1
1745MHz_RB 1,#RB M	Pass	7.50	21.07	21.07	0.128	28.57	0.719	1
1745MHz_RB 1,#RB H	Pass	7.50	20.98	20.98	0.125	28.48	0.705	1
1745MHz_RB 25,#RB L	Pass	7.50	20.04	20.04	0.101	27.54	0.568	1
1745MHz_RB 25,#RB M	Pass	7.50	20.09	20.09	0.102	27.59	0.574	1
1745MHz_RB 25,#RB H	Pass	7.50	20.01	20.01	0.100	27.51	0.564	1
1775MHz_RB 50,#RB 0	Pass	7.50	19.80	19.80	0.095	27.30	0.537	1
1775MHz_RB 1,#RB L	Pass	7.50	20.84	20.84	0.121	28.34	0.682	1
1775MHz_RB 1,#RB M	Pass	7.50	20.88	20.88	0.122	28.38	0.689	1
1775MHz_RB 1,#RB H	Pass	7.50	20.79	20.79	0.120	28.29	0.675	1
1775MHz_RB 25,#RB L	Pass	7.50	19.79	19.79	0.095	27.29	0.536	1
1775MHz_RB 25,#RB M	Pass	7.50	19.80	19.80	0.095	27.30	0.537	1
1775MHz_RB 25,#RB H	Pass	7.50	19.59	19.59	0.091	27.09	0.512	1
Band 66_LTE_15MHz_OPSK_1TX	-	-	-	-	-	-	-	-
1717.5MHz_RB 75,#RB 0	Pass	7.50	20.84	20.84	0.121	28.34	0.682	1
1717.5MHz_RB 1,#RB L	Pass	7.50	21.68	21.68	0.147	29.18	0.828	1
1717.5MHz_RB 1,#RB M	Pass	7.50	21.81	21.81	0.152	29.31	0.853	1
1717.5MHz_RB 1,#RB H	Pass	7.50	21.85	21.85	0.153	29.35	0.861	1
1717.5MHz_RB 36,#RB L	Pass	7.50	20.86	20.86	0.122	28.36	0.685	1
1717.5MHz_RB 36,#RB M	Pass	7.50	20.91	20.91	0.123	28.41	0.693	1
1717.5MHz_RB 36,#RB H	Pass	7.50	20.91	20.91	0.123	28.41	0.693	1
1745MHz_RB 75,#RB 0	Pass	7.50	21.04	21.04	0.127	28.54	0.714	1
1745MHz_RB 1,#RB L	Pass	7.50	21.90	21.90	0.155	29.40	0.871	1
1745MHz_RB 1,#RB M	Pass	7.50	21.93	21.93	0.156	29.43	0.877	1
1745MHz_RB 1,#RB H	Pass	7.50	21.89	21.89	0.155	29.39	0.869	1
1745MHz_RB 36,#RB L	Pass	7.50	20.99	20.99	0.126	28.49	0.706	1
1745MHz_RB 36,#RB M	Pass	7.50	21.03	21.03	0.127	28.53	0.713	1
1745MHz_RB 36,#RB H	Pass	7.50	20.92	20.92	0.124	28.42	0.695	1
1772.5MHz_RB 75,#RB 0	Pass	7.50	20.81	20.81	0.121	28.31	0.678	1
1772.5MHz_RB 1,#RB L	Pass	7.50	21.68	21.68	0.147	29.18	0.828	1
1772.5MHz_RB 1,#RB M	Pass	7.50	21.74	21.74	0.149	29.24	0.839	1
1772.5MHz_RB 1,#RB H	Pass	7.50	21.75	21.75	0.150	29.25	0.841	1
1772.5MHz_RB 36,#RB L	Pass	7.50	20.77	20.77	0.119	28.27	0.671	1
1772.5MHz_RB 36,#RB M	Pass	7.50	20.77	20.77	0.119	28.27	0.671	1
1772.5MHz_RB 36,#RB H	Pass	7.50	20.81	20.81	0.121	28.31	0.678	1
Band 66_LTE_15MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1717.5MHz_RB 75,#RB 0	Pass	7.50	19.89	19.89	0.097	27.39	0.548	1
1717.5MHz_RB 1,#RB L	Pass	7.50	20.95	20.95	0.124	28.45	0.706	1
1717.5MHz_RB 1,#RB M	Pass	7.50	20.99	20.99	0.126	28.49	0.706	1
1717.5MHz_RB 1,#RB H	Pass	7.50	20.85	20.85	0.122	28.35	0.684	1
1717.5MHz_RB 36,#RB L	Pass	7.50	19.77	19.77	0.095	27.27	0.533	1
1717.5MHz_RB 36,#RB M	Pass	7.50	19.94	19.94	0.099	27.44	0.555	1
1717.5MHz_RB 36,#RB H	Pass	7.50	19.92	19.92	0.098	27.42	0.552	1
1745MHz_RB 75,#RB 0	Pass	7.50	20.04	20.04	0.101	27.54	0.568	1
1745MHz_RB 1,#RB L	Pass	7.50	21.19	21.19	0.132	28.69	0.740	1
1745MHz_RB 1,#RB M	Pass	7.50	21.02	21.02	0.126	28.52	0.711	1
1745MHz_RB 1,#RB H	Pass	7.50	21.13	21.13	0.130	28.63	0.729	1
1745MHz_RB 36,#RB L	Pass	7.50	20.01	20.01	0.100	27.51	0.564	1
1745MHz_RB 36,#RB M	Pass	7.50	20.05	20.05	0.101	27.55	0.569	1
1745MHz_RB 36,#RB H	Pass	7.50	20.04	20.04	0.101	27.54	0.568	1
1772.5MHz_RB 75,#RB 0	Pass	7.50	19.77	19.77	0.095	27.27	0.533	1
1772.5MHz_RB 1,#RB L	Pass	7.50	20.96	20.96	0.125	28.46	0.701	1
1772.5MHz_RB 1,#RB M	Pass	7.50	21.03	21.03	0.127	28.53	0.713	1
1772.5MHz_RB 1,#RB H	Pass	7.50	20.92	20.92	0.124	28.42	0.695	1
1772.5MHz_RB 36,#RB L	Pass	7.50	19.70	19.70	0.093	27.20	0.525	1
1772.5MHz_RB 36,#RB M	Pass	7.50	19.75	19.75	0.094	27.25	0.531	1
1772.5MHz_RB 36,#RB H	Pass	7.50	19.79	19.79	0.095	27.29	0.536	1
Band 66_LTE_15MHz_64QAM_1TX	-	-	-	-	-	-	-	-



**Average Power (Mode 15: LTE Band 66)**

**Appendix A.15**

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1717.5MHz_RB 75,#RB 0	Pass	7.50	19.89	19.89	0.097	27.39	0.548	1
1717.5MHz_RB 1,#RB L	Pass	7.50	20.96	20.96	0.125	28.46	0.701	1
1717.5MHz_RB 1,#RB M	Pass	7.50	20.91	20.91	0.123	28.41	0.693	1
1717.5MHz_RB 1,#RB H	Pass	7.50	20.86	20.86	0.122	28.36	0.685	1
1717.5MHz_RB 36,#RB L	Pass	7.50	19.88	19.88	0.097	27.38	0.547	1
1717.5MHz_RB 36,#RB M	Pass	7.50	19.94	19.94	0.099	27.44	0.555	1
1717.5MHz_RB 36,#RB H	Pass	7.50	19.92	19.92	0.098	27.42	0.552	1
1745MHz_RB 75,#RB 0	Pass	7.50	20.09	20.09	0.102	27.59	0.574	1
1745MHz_RB 1,#RB L	Pass	7.50	20.98	20.98	0.125	28.48	0.705	1
1745MHz_RB 1,#RB M	Pass	7.50	21.07	21.07	0.128	28.57	0.719	1
1745MHz_RB 1,#RB H	Pass	7.50	21.11	21.11	0.129	28.61	0.726	1
1745MHz_RB 36,#RB L	Pass	7.50	20.02	20.02	0.100	27.52	0.565	1
1745MHz_RB 36,#RB M	Pass	7.50	20.03	20.03	0.101	27.53	0.566	1
1745MHz_RB 36,#RB H	Pass	7.50	20.07	20.07	0.102	27.57	0.571	1
1772.5MHz_RB 75,#RB 0	Pass	7.50	19.76	19.76	0.095	27.26	0.532	1
1772.5MHz_RB 1,#RB L	Pass	7.50	20.90	20.90	0.123	28.40	0.692	1
1772.5MHz_RB 1,#RB M	Pass	7.50	20.84	20.84	0.121	28.34	0.682	1
1772.5MHz_RB 1,#RB H	Pass	7.50	20.87	20.87	0.122	28.37	0.687	1
1772.5MHz_RB 36,#RB L	Pass	7.50	19.72	19.72	0.094	27.22	0.527	1
1772.5MHz_RB 36,#RB M	Pass	7.50	19.82	19.82	0.096	27.32	0.540	1
1772.5MHz_RB 36,#RB H	Pass	7.50	19.76	19.76	0.095	27.26	0.532	1
Band 66_LTE_20MHz_QPSK_1TX	-	-	-	-	-	-	-	-
1720MHz_RB 100,#RB 0	Pass	7.50	20.86	20.86	0.122	28.36	0.685	1
1720MHz_RB 1,#RB L	Pass	7.50	21.71	21.71	0.148	29.21	0.834	1
1720MHz_RB 1,#RB M	Pass	7.50	21.90	21.90	0.155	29.40	0.871	1
1720MHz_RB 1,#RB H	Pass	7.50	21.84	21.84	0.153	29.34	0.859	1
1720MHz_RB 50,#RB L	Pass	7.50	20.80	20.80	0.120	28.30	0.676	1
1720MHz_RB 50,#RB M	Pass	7.50	20.90	20.90	0.123	28.40	0.692	1
1720MHz_RB 50,#RB H	Pass	7.50	20.77	20.77	0.119	28.27	0.671	1
1745MHz_RB 100,#RB 0	Pass	7.50	21.00	21.00	0.126	28.50	0.708	1
1745MHz_RB 1,#RB L	Pass	7.50	21.94	21.94	0.156	29.44	0.879	1
1745MHz_RB 1,#RB M	Pass	7.50	21.96	21.96	0.157	29.46	0.883	1
1745MHz_RB 1,#RB H	Pass	7.50	21.90	21.90	0.155	29.40	0.871	1
1745MHz_RB 50,#RB L	Pass	7.50	20.97	20.97	0.125	28.47	0.703	1
1745MHz_RB 50,#RB M	Pass	7.50	21.04	21.04	0.127	28.54	0.714	1
1745MHz_RB 50,#RB H	Pass	7.50	20.91	20.91	0.123	28.41	0.693	1
1770MHz_RB 100,#RB 0	Pass	7.50	20.75	20.75	0.119	28.25	0.668	1
1770MHz_RB 1,#RB L	Pass	7.50	21.75	21.75	0.150	29.25	0.841	1
1770MHz_RB 1,#RB M	Pass	7.50	21.70	21.70	0.148	29.20	0.832	1
1770MHz_RB 1,#RB H	Pass	7.50	21.70	21.70	0.148	29.20	0.832	1
1770MHz_RB 50,#RB L	Pass	7.50	20.77	20.77	0.119	28.27	0.671	1
1770MHz_RB 50,#RB M	Pass	7.50	20.68	20.68	0.117	28.18	0.658	1
1770MHz_RB 50,#RB H	Pass	7.50	20.76	20.76	0.119	28.26	0.670	1
Band 66_LTE_20MHz_16QAM_1TX	-	-	-	-	-	-	-	-
1720MHz_RB 100,#RB 0	Pass	7.50	19.88	19.88	0.097	27.38	0.547	1
1720MHz_RB 1,#RB L	Pass	7.50	21.06	21.06	0.128	28.56	0.718	1
1720MHz_RB 1,#RB M	Pass	7.50	21.18	21.18	0.131	28.68	0.738	1
1720MHz_RB 1,#RB H	Pass	7.50	21.11	21.11	0.129	28.61	0.726	1
1720MHz_RB 50,#RB L	Pass	7.50	19.81	19.81	0.096	27.31	0.538	1
1720MHz_RB 50,#RB M	Pass	7.50	19.91	19.91	0.098	27.41	0.551	1
1720MHz_RB 50,#RB H	Pass	7.50	19.92	19.92	0.098	27.42	0.552	1
1745MHz_RB 100,#RB 0	Pass	7.50	19.98	19.98	0.100	27.48	0.560	1
1745MHz_RB 1,#RB L	Pass	7.50	21.14	21.14	0.130	28.64	0.731	1
1745MHz_RB 1,#RB M	Pass	7.50	21.27	21.27	0.134	28.77	0.753	1
1745MHz_RB 1,#RB H	Pass	7.50	21.14	21.14	0.130	28.64	0.731	1
1745MHz_RB 50,#RB L	Pass	7.50	19.98	19.98	0.100	27.48	0.560	1
1745MHz_RB 50,#RB M	Pass	7.50	20.09	20.09	0.102	27.59	0.574	1
1745MHz_RB 50,#RB H	Pass	7.50	20.05	20.05	0.101	27.55	0.569	1
1770MHz_RB 100,#RB 0	Pass	7.50	19.78	19.78	0.095	27.28	0.535	1
1770MHz_RB 1,#RB L	Pass	7.50	20.89	20.89	0.123	28.39	0.690	1
1770MHz_RB 1,#RB M	Pass	7.50	20.98	20.98	0.125	28.48	0.705	1
1770MHz_RB 1,#RB H	Pass	7.50	20.90	20.90	0.123	28.40	0.692	1



**Average Power (Mode 15: LTE Band 66)**

**Appendix A.15**

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
1770MHz_RB 50,#RB L	Pass	7.50	19.75	19.75	0.094	27.25	0.531	1
1770MHz_RB 50,#RB M	Pass	7.50	19.67	19.67	0.093	27.17	0.521	1
1770MHz_RB 50,#RB H	Pass	7.50	19.75	19.75	0.094	27.25	0.531	1
Band 66_LTE_20MHz_64QAM_1TX	-	-	-	-	-	-	-	-
1720MHz_RB 100,#RB 0	Pass	7.50	19.89	19.89	0.097	27.39	0.548	1
1720MHz_RB 1,#RB L	Pass	7.50	20.88	20.88	0.122	28.38	0.689	1
1720MHz_RB 1,#RB M	Pass	7.50	21.03	21.03	0.127	28.53	0.713	1
1720MHz_RB 1,#RB H	Pass	7.50	20.89	20.89	0.123	28.39	0.690	1
1720MHz_RB 50,#RB L	Pass	7.50	19.84	19.84	0.096	27.34	0.542	1
1720MHz_RB 50,#RB M	Pass	7.50	19.90	19.90	0.098	27.40	0.550	1
1720MHz_RB 50,#RB H	Pass	7.50	19.93	19.93	0.098	27.43	0.553	1
1745MHz_RB 100,#RB 0	Pass	7.50	19.99	19.99	0.100	27.49	0.561	1
1745MHz_RB 1,#RB L	Pass	7.50	20.99	20.99	0.126	28.49	0.706	1
1745MHz_RB 1,#RB M	Pass	7.50	21.07	21.07	0.128	28.57	0.719	1
1745MHz_RB 1,#RB H	Pass	7.50	21.04	21.04	0.127	28.54	0.714	1
1745MHz_RB 50,#RB L	Pass	7.50	19.97	19.97	0.099	27.47	0.558	1
1745MHz_RB 50,#RB M	Pass	7.50	20.07	20.07	0.102	27.57	0.571	1
1745MHz_RB 50,#RB H	Pass	7.50	20.03	20.03	0.101	27.53	0.566	1
1770MHz_RB 100,#RB 0	Pass	7.50	19.76	19.76	0.095	27.26	0.532	1
1770MHz_RB 1,#RB L	Pass	7.50	20.85	20.85	0.122	28.35	0.684	1
1770MHz_RB 1,#RB M	Pass	7.50	20.80	20.80	0.120	28.30	0.676	1
1770MHz_RB 1,#RB H	Pass	7.50	20.97	20.97	0.125	28.47	0.703	1
1770MHz_RB 50,#RB L	Pass	7.50	19.75	19.75	0.094	27.25	0.531	1
1770MHz_RB 50,#RB M	Pass	7.50	19.78	19.78	0.095	27.28	0.535	1
1770MHz_RB 50,#RB H	Pass	7.50	19.76	19.76	0.095	27.26	0.532	1

DG = Directional Gain; Port n = Port n output power





Summary

Mode	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)
Band 71	-	-	-	-
LTE_5MHz_QPSK_1TX	22.56	0.180	24.76	0.299
LTE_5MHz_16QAM_1TX	21.82	0.152	24.02	0.252
LTE_5MHz_64QAM_1TX	21.73	0.149	23.93	0.247
LTE_10MHz_QPSK_1TX	22.61	0.182	24.81	0.303
LTE_10MHz_16QAM_1TX	21.94	0.156	24.14	0.259
LTE_10MHz_64QAM_1TX	21.79	0.151	23.99	0.251
LTE_15MHz_QPSK_1TX	22.53	0.179	24.73	0.297
LTE_15MHz_16QAM_1TX	21.78	0.151	23.98	0.250
LTE_15MHz_64QAM_1TX	21.69	0.148	23.89	0.245
LTE_20MHz_QPSK_1TX	22.59	0.182	24.79	0.301
LTE_20MHz_16QAM_1TX	21.91	0.155	24.11	0.258
LTE_20MHz_64QAM_1TX	21.73	0.149	23.93	0.247

DG = Directional Gain; Port n = Port n output power

Result

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	EIRP Lim. (W)
Band 71_LTE_5MHz_QPSK_1TX	-	-	-	-	-	-	-	-
665.5MHz_RB 25,#RB 0	Pass	6.50	21.48	21.48	0.141	25.83	0.383	3
665.5MHz_RB 1,#RB L	Pass	6.50	22.36	22.36	0.172	26.71	0.469	3
665.5MHz_RB 1,#RB M	Pass	6.50	22.40	22.40	0.174	26.75	0.473	3
665.5MHz_RB 1,#RB H	Pass	6.50	22.34	22.34	0.171	26.69	0.467	3
665.5MHz_RB 12,#RB L	Pass	6.50	21.45	21.45	0.140	25.80	0.380	3
665.5MHz_RB 12,#RB M	Pass	6.50	21.48	21.48	0.141	25.83	0.383	3
665.5MHz_RB 12,#RB H	Pass	6.50	21.42	21.42	0.139	25.77	0.378	3
675.5MHz_RB 25,#RB 0	Pass	6.50	21.53	21.53	0.142	25.88	0.387	3
675.5MHz_RB 1,#RB L	Pass	6.50	22.48	22.48	0.177	26.83	0.482	3
675.5MHz_RB 1,#RB M	Pass	6.50	22.56	22.56	0.180	26.91	0.491	3
675.5MHz_RB 1,#RB H	Pass	6.50	22.47	22.47	0.177	26.82	0.481	3
675.5MHz_RB 12,#RB L	Pass	6.50	21.56	21.56	0.143	25.91	0.390	3
675.5MHz_RB 12,#RB M	Pass	6.50	21.58	21.58	0.144	25.93	0.392	3
675.5MHz_RB 12,#RB H	Pass	6.50	21.55	21.55	0.143	25.90	0.389	3
695.5MHz_RB 25,#RB 0	Pass	6.50	21.45	21.45	0.140	25.80	0.380	3
695.5MHz_RB 1,#RB L	Pass	6.50	22.42	22.42	0.175	26.77	0.475	3
695.5MHz_RB 1,#RB M	Pass	6.50	22.46	22.46	0.176	26.81	0.480	3
695.5MHz_RB 1,#RB H	Pass	6.50	22.33	22.33	0.171	26.68	0.466	3
695.5MHz_RB 12,#RB L	Pass	6.50	21.46	21.46	0.140	25.81	0.381	3
695.5MHz_RB 12,#RB M	Pass	6.50	21.48	21.48	0.141	25.83	0.383	3
695.5MHz_RB 12,#RB H	Pass	6.50	21.45	21.45	0.140	25.80	0.380	3
Band 71_LTE_5MHz_16QAM_1TX	-	-	-	-	-	-	-	-
665.5MHz_RB 25,#RB 0	Pass	6.50	20.46	20.46	0.111	24.81	0.303	3
665.5MHz_RB 1,#RB L	Pass	6.50	21.63	21.63	0.146	25.98	0.396	3
665.5MHz_RB 1,#RB M	Pass	6.50	21.64	21.64	0.146	25.99	0.397	3
665.5MHz_RB 1,#RB H	Pass	6.50	21.61	21.61	0.145	25.96	0.394	3
665.5MHz_RB 12,#RB L	Pass	6.50	20.46	20.46	0.111	24.81	0.303	3
665.5MHz_RB 12,#RB M	Pass	6.50	20.49	20.49	0.112	24.84	0.305	3
665.5MHz_RB 12,#RB H	Pass	6.50	20.45	20.45	0.111	24.80	0.302	3
675.5MHz_RB 25,#RB 0	Pass	6.50	20.56	20.56	0.114	24.91	0.310	3
675.5MHz_RB 1,#RB L	Pass	6.50	21.76	21.76	0.150	26.11	0.408	3
675.5MHz_RB 1,#RB M	Pass	6.50	21.82	21.82	0.152	26.17	0.414	3
675.5MHz_RB 1,#RB H	Pass	6.50	21.77	21.77	0.150	26.12	0.409	3
675.5MHz_RB 12,#RB L	Pass	6.50	20.61	20.61	0.115	24.96	0.313	3
675.5MHz_RB 12,#RB M	Pass	6.50	20.62	20.62	0.115	24.97	0.314	3
675.5MHz_RB 12,#RB H	Pass	6.50	20.56	20.56	0.114	24.91	0.310	3
695.5MHz_RB 25,#RB 0	Pass	6.50	20.48	20.48	0.112	24.83	0.304	3
695.5MHz_RB 1,#RB L	Pass	6.50	21.69	21.69	0.148	26.04	0.402	3
695.5MHz_RB 1,#RB M	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
695.5MHz_RB 1,#RB H	Pass	6.50	21.64	21.64	0.146	25.99	0.397	3
695.5MHz_RB 12,#RB L	Pass	6.50	20.47	20.47	0.111	24.82	0.303	3
695.5MHz_RB 12,#RB M	Pass	6.50	20.52	20.52	0.113	24.87	0.307	3
695.5MHz_RB 12,#RB H	Pass	6.50	20.43	20.43	0.110	24.78	0.301	3
Band 71_LTE_5MHz_64QAM_1TX	-	-	-	-	-	-	-	-
665.5MHz_RB 25,#RB 0	Pass	6.50	20.44	20.44	0.111	24.79	0.301	3
665.5MHz_RB 1,#RB L	Pass	6.50	21.48	21.48	0.141	25.83	0.383	3
665.5MHz_RB 1,#RB M	Pass	6.50	21.55	21.55	0.143	25.90	0.389	3
665.5MHz_RB 1,#RB H	Pass	6.50	21.52	21.52	0.142	25.87	0.386	3
665.5MHz_RB 12,#RB L	Pass	6.50	20.44	20.44	0.111	24.79	0.301	3
665.5MHz_RB 12,#RB M	Pass	6.50	20.47	20.47	0.111	24.82	0.303	3
665.5MHz_RB 12,#RB H	Pass	6.50	20.35	20.35	0.108	24.70	0.295	3
675.5MHz_RB 25,#RB 0	Pass	6.50	20.54	20.54	0.113	24.89	0.308	3
675.5MHz_RB 1,#RB L	Pass	6.50	21.61	21.61	0.145	25.96	0.394	3
675.5MHz_RB 1,#RB M	Pass	6.50	21.73	21.73	0.149	26.08	0.406	3
675.5MHz_RB 1,#RB H	Pass	6.50	21.64	21.64	0.146	25.99	0.397	3
675.5MHz_RB 12,#RB L	Pass	6.50	20.55	20.55	0.114	24.90	0.309	3
675.5MHz_RB 12,#RB M	Pass	6.50	20.57	20.57	0.114	24.92	0.310	3
675.5MHz_RB 12,#RB H	Pass	6.50	20.56	20.56	0.114	24.91	0.310	3
695.5MHz_RB 25,#RB 0	Pass	6.50	20.48	20.48	0.112	24.83	0.304	3
695.5MHz_RB 1,#RB L	Pass	6.50	21.59	21.59	0.144	25.94	0.393	3



**Average Power (Mode 16: LTE Band 71)**

**Appendix A.16**

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	EIRP Lim. (W)
695.5MHz_RB 1,#RB M	Pass	6.50	21.60	21.60	0.145	25.95	0.394	3
695.5MHz_RB 1,#RB H	Pass	6.50	21.48	21.48	0.141	25.83	0.383	3
695.5MHz_RB 12,#RB L	Pass	6.50	20.43	20.43	0.110	24.78	0.301	3
695.5MHz_RB 12,#RB M	Pass	6.50	20.48	20.48	0.112	24.83	0.304	3
695.5MHz_RB 12,#RB H	Pass	6.50	20.41	20.41	0.110	24.76	0.299	3
Band 71_LTE_10MHz_QPSK_1TX	-	-	-	-	-	-	-	-
668MHz_RB 50,#RB 0	Pass	6.50	21.55	21.55	0.143	25.90	0.389	3
668MHz_RB 1,#RB L	Pass	6.50	22.39	22.39	0.173	26.74	0.472	3
668MHz_RB 1,#RB M	Pass	6.50	22.47	22.47	0.177	26.82	0.481	3
668MHz_RB 1,#RB H	Pass	6.50	22.44	22.44	0.175	26.79	0.478	3
668MHz_RB 25,#RB L	Pass	6.50	21.56	21.56	0.143	25.91	0.390	3
668MHz_RB 25,#RB M	Pass	6.50	21.59	21.59	0.144	25.94	0.393	3
668MHz_RB 25,#RB H	Pass	6.50	21.52	21.52	0.142	25.87	0.386	3
678MHz_RB 50,#RB 0	Pass	6.50	21.63	21.63	0.146	25.98	0.396	3
678MHz_RB 1,#RB L	Pass	6.50	22.56	22.56	0.180	26.91	0.491	3
678MHz_RB 1,#RB M	Pass	6.50	22.61	22.61	0.182	26.96	0.497	3
678MHz_RB 1,#RB H	Pass	6.50	22.53	22.53	0.179	26.88	0.488	3
678MHz_RB 25,#RB L	Pass	6.50	21.69	21.69	0.148	26.04	0.402	3
678MHz_RB 25,#RB M	Pass	6.50	21.65	21.65	0.146	26.00	0.398	3
678MHz_RB 25,#RB H	Pass	6.50	21.61	21.61	0.145	25.96	0.394	3
693MHz_RB 50,#RB 0	Pass	6.50	21.51	21.51	0.142	25.86	0.385	3
693MHz_RB 1,#RB L	Pass	6.50	22.50	22.50	0.178	26.85	0.484	3
693MHz_RB 1,#RB M	Pass	6.50	22.44	22.44	0.175	26.79	0.478	3
693MHz_RB 1,#RB H	Pass	6.50	22.37	22.37	0.173	26.72	0.470	3
693MHz_RB 25,#RB L	Pass	6.50	21.48	21.48	0.141	25.83	0.383	3
693MHz_RB 25,#RB M	Pass	6.50	21.51	21.51	0.142	25.86	0.385	3
693MHz_RB 25,#RB H	Pass	6.50	21.47	21.47	0.140	25.82	0.382	3
Band 71_LTE_10MHz_16QAM_1TX	-	-	-	-	-	-	-	-
668MHz_RB 50,#RB 0	Pass	6.50	20.52	20.52	0.113	24.87	0.307	3
668MHz_RB 1,#RB L	Pass	6.50	21.67	21.67	0.147	26.02	0.400	3
668MHz_RB 1,#RB M	Pass	6.50	21.72	21.72	0.149	26.07	0.405	3
668MHz_RB 1,#RB H	Pass	6.50	21.72	21.72	0.149	26.07	0.405	3
668MHz_RB 25,#RB L	Pass	6.50	20.59	20.59	0.115	24.94	0.312	3
668MHz_RB 25,#RB M	Pass	6.50	20.55	20.55	0.114	24.90	0.309	3
668MHz_RB 25,#RB H	Pass	6.50	20.51	20.51	0.112	24.86	0.306	3
678MHz_RB 50,#RB 0	Pass	6.50	20.62	20.62	0.115	24.97	0.314	3
678MHz_RB 1,#RB L	Pass	6.50	21.87	21.87	0.154	26.22	0.419	3
678MHz_RB 1,#RB M	Pass	6.50	21.94	21.94	0.156	26.29	0.426	3
678MHz_RB 1,#RB H	Pass	6.50	21.74	21.74	0.149	26.09	0.406	3
678MHz_RB 25,#RB L	Pass	6.50	20.75	20.75	0.119	25.10	0.324	3
678MHz_RB 25,#RB M	Pass	6.50	20.65	20.65	0.116	25.00	0.316	3
678MHz_RB 25,#RB H	Pass	6.50	20.68	20.68	0.117	25.03	0.318	3
693MHz_RB 50,#RB 0	Pass	6.50	20.49	20.49	0.112	24.84	0.305	3
693MHz_RB 1,#RB L	Pass	6.50	21.76	21.76	0.150	26.11	0.408	3
693MHz_RB 1,#RB M	Pass	6.50	21.73	21.73	0.149	26.08	0.406	3
693MHz_RB 1,#RB H	Pass	6.50	21.70	21.70	0.148	26.05	0.403	3
693MHz_RB 25,#RB L	Pass	6.50	20.56	20.56	0.114	24.91	0.310	3
693MHz_RB 25,#RB M	Pass	6.50	20.56	20.56	0.114	24.91	0.310	3
693MHz_RB 25,#RB H	Pass	6.50	20.51	20.51	0.112	24.86	0.306	3
Band 71_LTE_10MHz_64QAM_1TX	-	-	-	-	-	-	-	-
668MHz_RB 50,#RB 0	Pass	6.50	20.52	20.52	0.113	24.87	0.307	3
668MHz_RB 1,#RB L	Pass	6.50	21.51	21.51	0.142	25.86	0.385	3
668MHz_RB 1,#RB M	Pass	6.50	21.55	21.55	0.143	25.90	0.389	3
668MHz_RB 1,#RB H	Pass	6.50	21.64	21.64	0.146	25.99	0.397	3
668MHz_RB 25,#RB L	Pass	6.50	20.59	20.59	0.115	24.94	0.312	3
668MHz_RB 25,#RB M	Pass	6.50	20.56	20.56	0.114	24.91	0.310	3
668MHz_RB 25,#RB H	Pass	6.50	20.50	20.50	0.112	24.85	0.305	3
678MHz_RB 50,#RB 0	Pass	6.50	20.61	20.61	0.115	24.96	0.313	3
678MHz_RB 1,#RB L	Pass	6.50	21.73	21.73	0.149	26.08	0.406	3
678MHz_RB 1,#RB M	Pass	6.50	21.79	21.79	0.151	26.14	0.411	3
678MHz_RB 1,#RB H	Pass	6.50	21.67	21.67	0.147	26.02	0.400	3
678MHz_RB 25,#RB L	Pass	6.50	20.74	20.74	0.119	25.09	0.323	3



**Average Power (Mode 16: LTE Band 71)**

**Appendix A.16**

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	EIRP Lim. (W)
678MHz_RB 25,#RB M	Pass	6.50	20.64	20.64	0.116	24.99	0.316	3
678MHz_RB 25,#RB H	Pass	6.50	20.65	20.65	0.116	25.00	0.316	3
693MHz_RB 50,#RB O	Pass	6.50	20.49	20.49	0.112	24.84	0.305	3
693MHz_RB 1,#RB L	Pass	6.50	21.59	21.59	0.144	25.94	0.393	3
693MHz_RB 1,#RB M	Pass	6.50	21.64	21.64	0.146	25.99	0.397	3
693MHz_RB 1,#RB H	Pass	6.50	21.50	21.50	0.141	25.85	0.385	3
693MHz_RB 25,#RB L	Pass	6.50	20.54	20.54	0.113	24.89	0.308	3
693MHz_RB 25,#RB M	Pass	6.50	20.54	20.54	0.113	24.89	0.308	3
693MHz_RB 25,#RB H	Pass	6.50	20.51	20.51	0.112	24.86	0.306	3
Band 71_LTE_15MHz_QPSK_1TX	-	-	-	-	-	-	-	-
670.5MHz_RB 75,#RB O	Pass	6.50	21.64	21.64	0.146	25.99	0.397	3
670.5MHz_RB 1,#RB L	Pass	6.50	22.41	22.41	0.174	26.76	0.474	3
670.5MHz_RB 1,#RB M	Pass	6.50	22.43	22.43	0.175	26.78	0.476	3
670.5MHz_RB 1,#RB H	Pass	6.50	22.51	22.51	0.178	26.86	0.485	3
670.5MHz_RB 36,#RB L	Pass	6.50	21.54	21.54	0.143	25.89	0.388	3
670.5MHz_RB 36,#RB M	Pass	6.50	21.61	21.61	0.145	25.96	0.394	3
670.5MHz_RB 36,#RB H	Pass	6.50	21.54	21.54	0.143	25.89	0.388	3
680.5MHz_RB 75,#RB O	Pass	6.50	21.60	21.60	0.145	25.95	0.394	3
680.5MHz_RB 1,#RB L	Pass	6.50	22.53	22.53	0.179	26.88	0.488	3
680.5MHz_RB 1,#RB M	Pass	6.50	22.50	22.50	0.178	26.85	0.484	3
680.5MHz_RB 1,#RB H	Pass	6.50	22.38	22.38	0.173	26.73	0.471	3
680.5MHz_RB 36,#RB L	Pass	6.50	21.67	21.67	0.147	26.02	0.400	3
680.5MHz_RB 36,#RB M	Pass	6.50	21.60	21.60	0.145	25.95	0.394	3
680.5MHz_RB 36,#RB H	Pass	6.50	21.60	21.60	0.145	25.95	0.394	3
690.5MHz_RB 75,#RB O	Pass	6.50	21.49	21.49	0.141	25.84	0.384	3
690.5MHz_RB 1,#RB L	Pass	6.50	22.49	22.49	0.177	26.84	0.483	3
690.5MHz_RB 1,#RB M	Pass	6.50	22.42	22.42	0.175	26.77	0.475	3
690.5MHz_RB 1,#RB H	Pass	6.50	22.31	22.31	0.170	26.66	0.463	3
690.5MHz_RB 36,#RB L	Pass	6.50	21.51	21.51	0.142	25.86	0.385	3
690.5MHz_RB 36,#RB M	Pass	6.50	21.56	21.56	0.143	25.91	0.390	3
690.5MHz_RB 36,#RB H	Pass	6.50	21.49	21.49	0.141	25.84	0.384	3
Band 71_LTE_15MHz_16QAM_1TX	-	-	-	-	-	-	-	-
670.5MHz_RB 75,#RB O	Pass	6.50	20.68	20.68	0.117	25.03	0.318	3
670.5MHz_RB 1,#RB L	Pass	6.50	21.62	21.62	0.145	25.97	0.395	3
670.5MHz_RB 1,#RB M	Pass	6.50	21.72	21.72	0.149	26.07	0.405	3
670.5MHz_RB 1,#RB H	Pass	6.50	21.74	21.74	0.149	26.09	0.406	3
670.5MHz_RB 36,#RB L	Pass	6.50	20.49	20.49	0.112	24.84	0.305	3
670.5MHz_RB 36,#RB M	Pass	6.50	20.63	20.63	0.116	24.98	0.315	3
670.5MHz_RB 36,#RB H	Pass	6.50	20.54	20.54	0.113	24.89	0.308	3
680.5MHz_RB 75,#RB O	Pass	6.50	20.61	20.61	0.115	24.96	0.313	3
680.5MHz_RB 1,#RB L	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
680.5MHz_RB 1,#RB M	Pass	6.50	21.68	21.68	0.147	26.03	0.401	3
680.5MHz_RB 1,#RB H	Pass	6.50	21.70	21.70	0.148	26.05	0.403	3
680.5MHz_RB 36,#RB L	Pass	6.50	20.66	20.66	0.116	25.01	0.317	3
680.5MHz_RB 36,#RB M	Pass	6.50	20.64	20.64	0.116	24.99	0.316	3
680.5MHz_RB 36,#RB H	Pass	6.50	20.58	20.58	0.114	24.93	0.311	3
690.5MHz_RB 75,#RB O	Pass	6.50	20.55	20.55	0.114	24.90	0.309	3
690.5MHz_RB 1,#RB L	Pass	6.50	21.78	21.78	0.151	26.13	0.410	3
690.5MHz_RB 1,#RB M	Pass	6.50	21.78	21.78	0.151	26.13	0.410	3
690.5MHz_RB 1,#RB H	Pass	6.50	21.67	21.67	0.147	26.02	0.400	3
690.5MHz_RB 36,#RB L	Pass	6.50	20.57	20.57	0.114	24.92	0.310	3
690.5MHz_RB 36,#RB M	Pass	6.50	20.53	20.53	0.113	24.88	0.308	3
690.5MHz_RB 36,#RB H	Pass	6.50	20.47	20.47	0.111	24.82	0.303	3
Band 71_LTE_15MHz_64QAM_1TX	-	-	-	-	-	-	-	-
670.5MHz_RB 75,#RB O	Pass	6.50	20.59	20.59	0.115	24.94	0.312	3
670.5MHz_RB 1,#RB L	Pass	6.50	21.58	21.58	0.144	25.93	0.392	3
670.5MHz_RB 1,#RB M	Pass	6.50	21.58	21.58	0.144	25.93	0.392	3
670.5MHz_RB 1,#RB H	Pass	6.50	21.69	21.69	0.148	26.04	0.402	3
670.5MHz_RB 36,#RB L	Pass	6.50	20.49	20.49	0.112	24.84	0.305	3
670.5MHz_RB 36,#RB M	Pass	6.50	20.65	20.65	0.116	25.00	0.316	3
670.5MHz_RB 36,#RB H	Pass	6.50	20.59	20.59	0.115	24.94	0.312	3
680.5MHz_RB 75,#RB O	Pass	6.50	20.59	20.59	0.115	24.94	0.312	3



**Average Power (Mode 16: LTE Band 71)**

**Appendix A.16**

Mode	Result	DG (dB)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	EIRP Lim. (W)
680.5MHz_RB 1,#RB L	Pass	6.50	21.66	21.66	0.147	26.01	0.399	3
680.5MHz_RB 1,#RB M	Pass	6.50	21.69	21.69	0.148	26.04	0.402	3
680.5MHz_RB 1,#RB H	Pass	6.50	21.49	21.49	0.141	25.84	0.384	3
680.5MHz_RB 36,#RB L	Pass	6.50	20.65	20.65	0.116	25.00	0.316	3
680.5MHz_RB 36,#RB M	Pass	6.50	20.67	20.67	0.117	25.02	0.318	3
680.5MHz_RB 36,#RB H	Pass	6.50	20.61	20.61	0.115	24.96	0.313	3
690.5MHz_RB 75,#RB 0	Pass	6.50	20.52	20.52	0.113	24.87	0.307	3
690.5MHz_RB 1,#RB L	Pass	6.50	21.61	21.61	0.145	25.96	0.394	3
690.5MHz_RB 1,#RB M	Pass	6.50	21.59	21.59	0.144	25.94	0.393	3
690.5MHz_RB 1,#RB H	Pass	6.50	21.48	21.48	0.141	25.83	0.383	3
690.5MHz_RB 36,#RB L	Pass	6.50	20.55	20.55	0.114	24.90	0.309	3
690.5MHz_RB 36,#RB M	Pass	6.50	20.55	20.55	0.114	24.90	0.309	3
690.5MHz_RB 36,#RB H	Pass	6.50	20.47	20.47	0.111	24.82	0.303	3
Band 71_LTE_20MHz_QPSK_1TX	-	-	-	-	-	-	-	-
673MHz_RB 100,#RB 0	Pass	6.50	21.57	21.57	0.144	25.92	0.391	3
673MHz_RB 1,#RB L	Pass	6.50	22.42	22.42	0.175	26.77	0.475	3
673MHz_RB 1,#RB M	Pass	6.50	22.57	22.57	0.181	26.92	0.492	3
673MHz_RB 1,#RB H	Pass	6.50	22.47	22.47	0.177	26.82	0.481	3
673MHz_RB 50,#RB L	Pass	6.50	21.56	21.56	0.143	25.91	0.390	3
673MHz_RB 50,#RB M	Pass	6.50	21.59	21.59	0.144	25.94	0.393	3
673MHz_RB 50,#RB H	Pass	6.50	21.60	21.60	0.145	25.95	0.394	3
680.5MHz_RB 100,#RB 0	Pass	6.50	21.64	21.64	0.146	25.99	0.397	3
680.5MHz_RB 1,#RB L	Pass	6.50	22.41	22.41	0.174	26.76	0.474	3
680.5MHz_RB 1,#RB M	Pass	6.50	22.56	22.56	0.180	26.91	0.491	3
680.5MHz_RB 1,#RB H	Pass	6.50	22.42	22.42	0.175	26.77	0.475	3
680.5MHz_RB 50,#RB L	Pass	6.50	21.64	21.64	0.146	25.99	0.397	3
680.5MHz_RB 50,#RB M	Pass	6.50	21.66	21.66	0.147	26.01	0.399	3
680.5MHz_RB 50,#RB H	Pass	6.50	21.54	21.54	0.143	25.89	0.388	3
688MHz_RB 100,#RB 0	Pass	6.50	21.55	21.55	0.143	25.90	0.389	3
688MHz_RB 1,#RB L	Pass	6.50	22.59	22.59	0.182	26.94	0.494	3
688MHz_RB 1,#RB M	Pass	6.50	22.46	22.46	0.176	26.81	0.480	3
688MHz_RB 1,#RB H	Pass	6.50	22.42	22.42	0.175	26.77	0.475	3
688MHz_RB 50,#RB L	Pass	6.50	21.56	21.56	0.143	25.91	0.390	3
688MHz_RB 50,#RB M	Pass	6.50	21.54	21.54	0.143	25.89	0.388	3
688MHz_RB 50,#RB H	Pass	6.50	21.50	21.50	0.141	25.85	0.385	3
Band 71_LTE_20MHz_16QAM_1TX	-	-	-	-	-	-	-	-
673MHz_RB 100,#RB 0	Pass	6.50	20.57	20.57	0.114	24.92	0.310	3
673MHz_RB 1,#RB L	Pass	6.50	21.62	21.62	0.145	25.97	0.395	3
673MHz_RB 1,#RB M	Pass	6.50	21.85	21.85	0.153	26.20	0.417	3
673MHz_RB 1,#RB H	Pass	6.50	21.75	21.75	0.150	26.10	0.407	3
673MHz_RB 50,#RB L	Pass	6.50	20.51	20.51	0.112	24.86	0.306	3
673MHz_RB 50,#RB M	Pass	6.50	20.64	20.64	0.116	24.99	0.316	3
673MHz_RB 50,#RB H	Pass	6.50	20.60	20.60	0.115	24.95	0.313	3
680.5MHz_RB 100,#RB 0	Pass	6.50	20.61	20.61	0.115	24.96	0.313	3
680.5MHz_RB 1,#RB L	Pass	6.50	21.71	21.71	0.148	26.06	0.404	3
680.5MHz_RB 1,#RB M	Pass	6.50	21.86	21.86	0.153	26.21	0.418	3
680.5MHz_RB 1,#RB H	Pass	6.50	21.73	21.73	0.149	26.08	0.406	3
680.5MHz_RB 50,#RB L	Pass	6.50	20.67	20.67	0.117	25.02	0.318	3
680.5MHz_RB 50,#RB M	Pass	6.50	20.62	20.62	0.115	24.97	0.314	3
680.5MHz_RB 50,#RB H	Pass	6.50	20.58	20.58	0.114	24.93	0.311	3
688MHz_RB 100,#RB 0	Pass	6.50	20.51	20.51	0.112	24.86	0.306	3
688MHz_RB 1,#RB L	Pass	6.50	21.91	21.91	0.155	26.26	0.423	3
688MHz_RB 1,#RB M	Pass	6.50	21.80	21.80	0.151	26.15	0.412	3
688MHz_RB 1,#RB H	Pass	6.50	21.66	21.66	0.147	26.01	0.399	3
688MHz_RB 50,#RB L	Pass	6.50	20.60	20.60	0.115	24.95	0.313	3
688MHz_RB 50,#RB M	Pass	6.50	20.52	20.52	0.113	24.87	0.307	3
688MHz_RB 50,#RB H	Pass	6.50	20.46	20.46	0.111	24.81	0.303	3
Band 71_LTE_20MHz_64QAM_1TX	-	-	-	-	-	-	-	-
673MHz_RB 100,#RB 0	Pass	6.50	20.56	20.56	0.114	24.91	0.310	3
673MHz_RB 1,#RB L	Pass	6.50	21.49	21.49	0.141	25.84	0.384	3
673MHz_RB 1,#RB M	Pass	6.50	21.72	21.72	0.149	26.07	0.405	3
673MHz_RB 1,#RB H	Pass	6.50	21.57	21.57	0.144	25.92	0.391	3



**Average Power (Mode 16: LTE Band 71)**

**Appendix A.16**

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)	EIRP Lim. (W)
673MHz_RB 50,#RB L	Pass	6.50	20.50	20.50	0.112	24.85	0.305	3
673MHz_RB 50,#RB M	Pass	6.50	20.62	20.62	0.115	24.97	0.314	3
673MHz_RB 50,#RB H	Pass	6.50	20.59	20.59	0.115	24.94	0.312	3
680.5MHz_RB 100,#RB 0	Pass	6.50	20.61	20.61	0.115	24.96	0.313	3
680.5MHz_RB 1,#RB L	Pass	6.50	21.62	21.62	0.145	25.97	0.395	3
680.5MHz_RB 1,#RB M	Pass	6.50	21.73	21.73	0.149	26.08	0.406	3
680.5MHz_RB 1,#RB H	Pass	6.50	21.62	21.62	0.145	25.97	0.395	3
680.5MHz_RB 50,#RB L	Pass	6.50	20.66	20.66	0.116	25.01	0.317	3
680.5MHz_RB 50,#RB M	Pass	6.50	20.61	20.61	0.115	24.96	0.313	3
680.5MHz_RB 50,#RB H	Pass	6.50	20.55	20.55	0.114	24.90	0.309	3
688MHz_RB 100,#RB 0	Pass	6.50	20.52	20.52	0.113	24.87	0.307	3
688MHz_RB 1,#RB L	Pass	6.50	21.70	21.70	0.148	26.05	0.403	3
688MHz_RB 1,#RB M	Pass	6.50	21.64	21.64	0.146	25.99	0.397	3
688MHz_RB 1,#RB H	Pass	6.50	21.46	21.46	0.140	25.81	0.381	3
688MHz_RB 50,#RB L	Pass	6.50	20.57	20.57	0.114	24.92	0.310	3
688MHz_RB 50,#RB M	Pass	6.50	20.53	20.53	0.113	24.88	0.308	3
688MHz_RB 50,#RB H	Pass	6.50	20.45	20.45	0.111	24.80	0.302	3

DG = Directional Gain; Port n = Port n output power



**Peak to Average Power Ratio (PAPR)  
(Mode 1: WCDMA Band 2)**

**Appendix B.1**

**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 2	-	-	-	-	-
WCDMA_5MHz_Nss1_1TX	Pass	1907.6	13.00	3.22	1



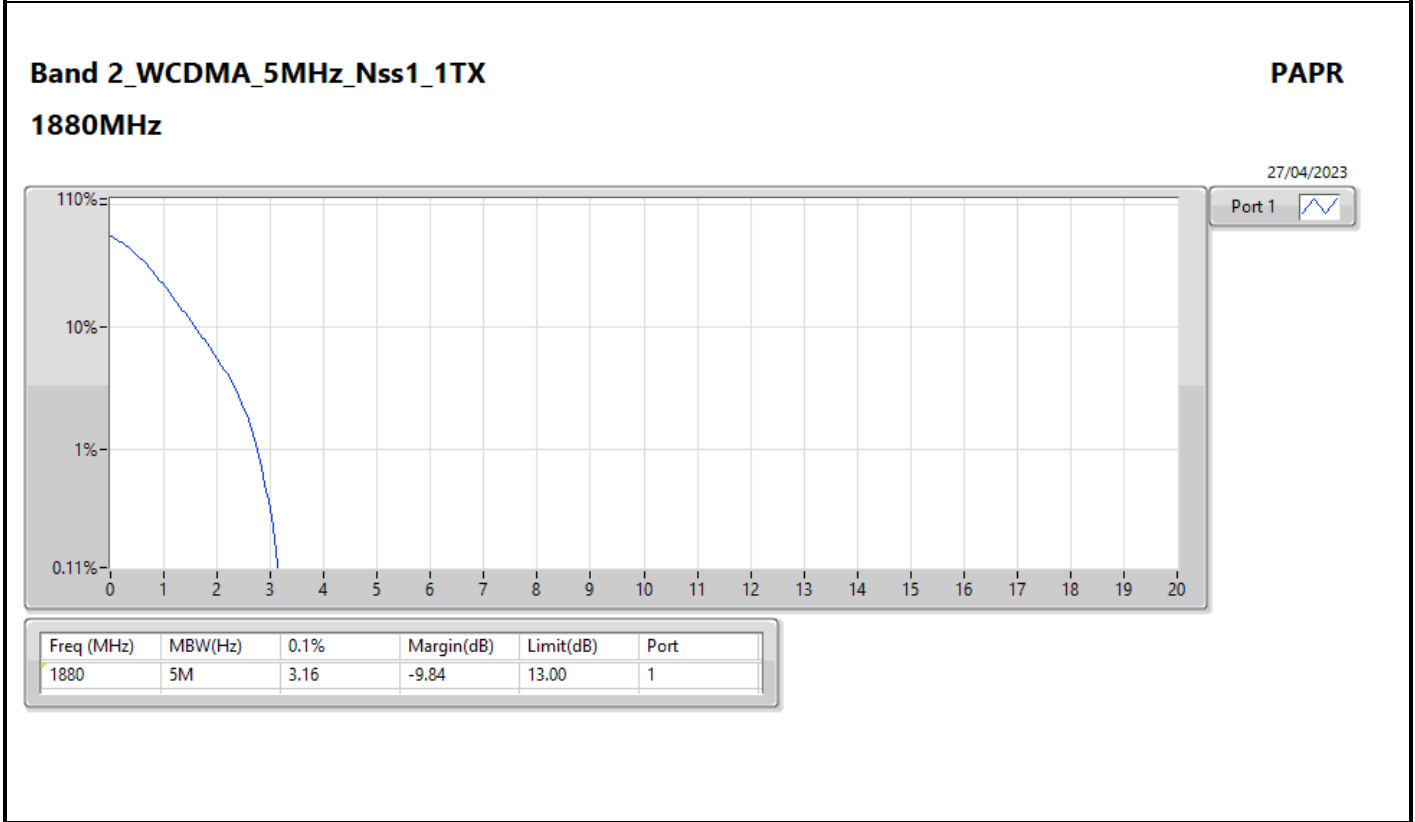
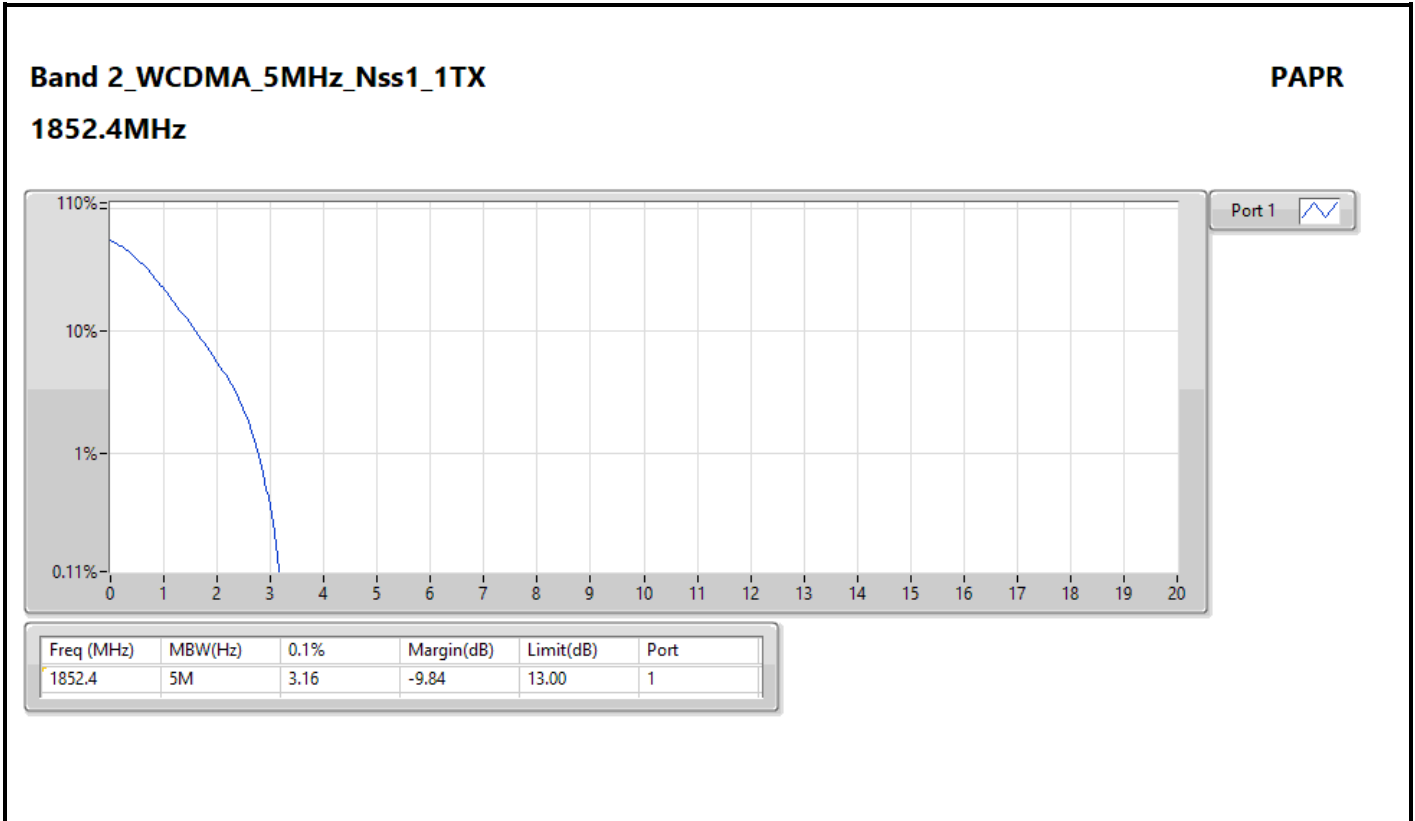
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(Mode 1: WCDMA Band 2)**

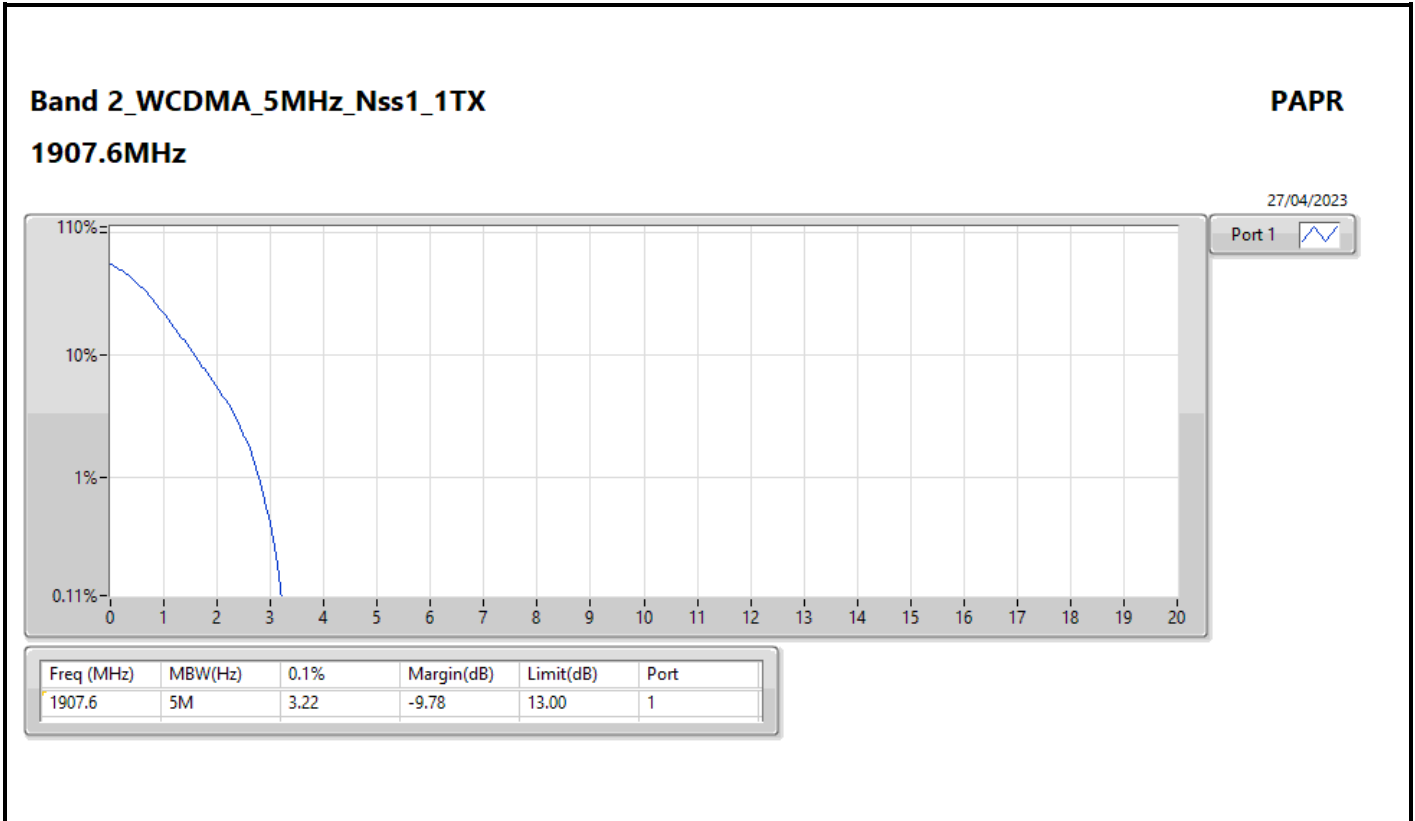
**Appendix B.1**

**Result**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 2_WCDMA_5MHz_Nss1_1TX	-	-	-	-	-
1852.4MHz	Pass	1852.4	13.00	3.16	1
1880MHz	Pass	1880	13.00	3.16	1
1907.6MHz	Pass	1907.6	13.00	3.22	1









**Peak to Average Power Ratio (PAPR)  
(Mode 2: WCDMA Band 4)**

**Appendix B.2**

**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 4	-	-	-	-	-
WCDMA_5MHz_Nss1_1TX	Pass	1712.4	13.00	3.33	1

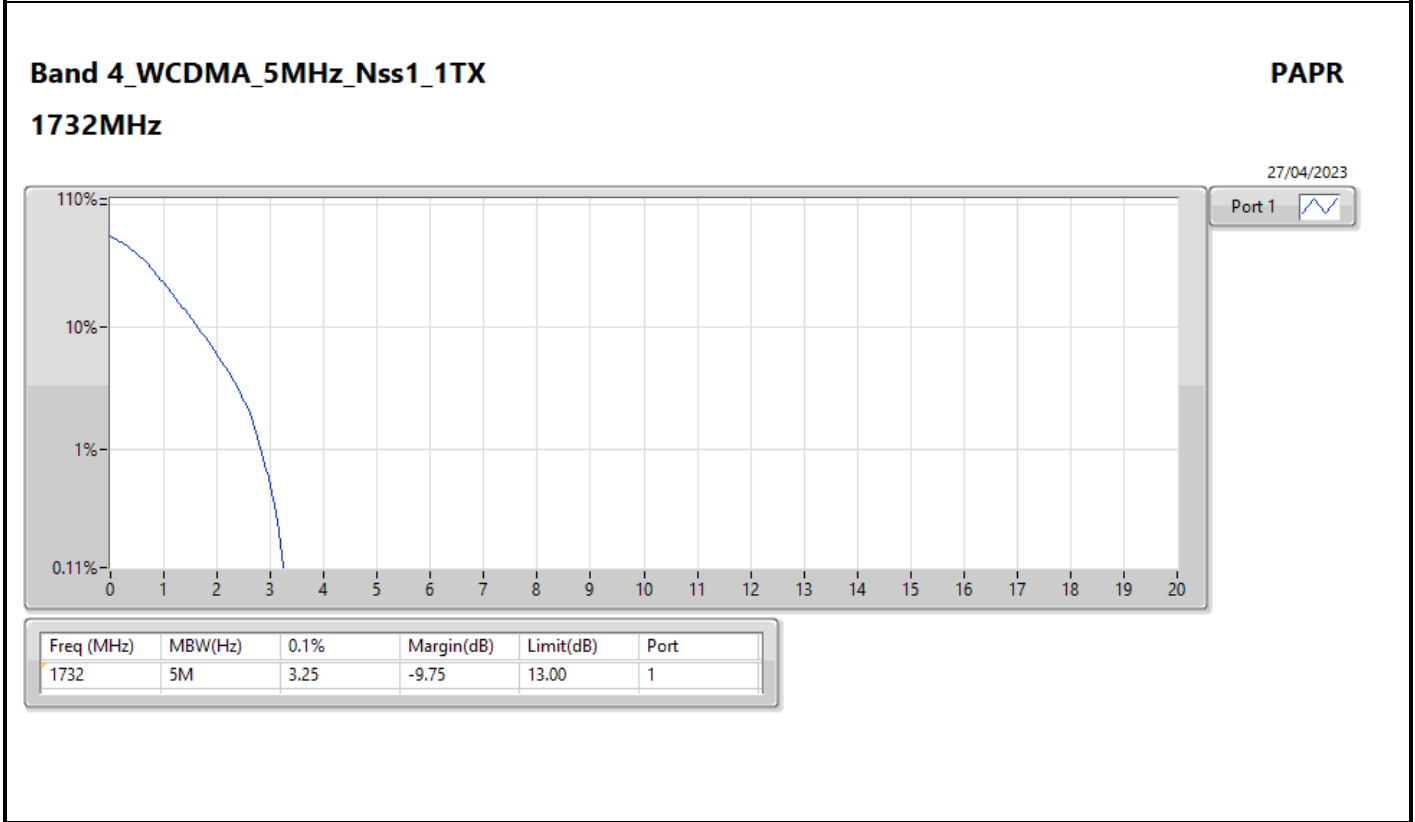
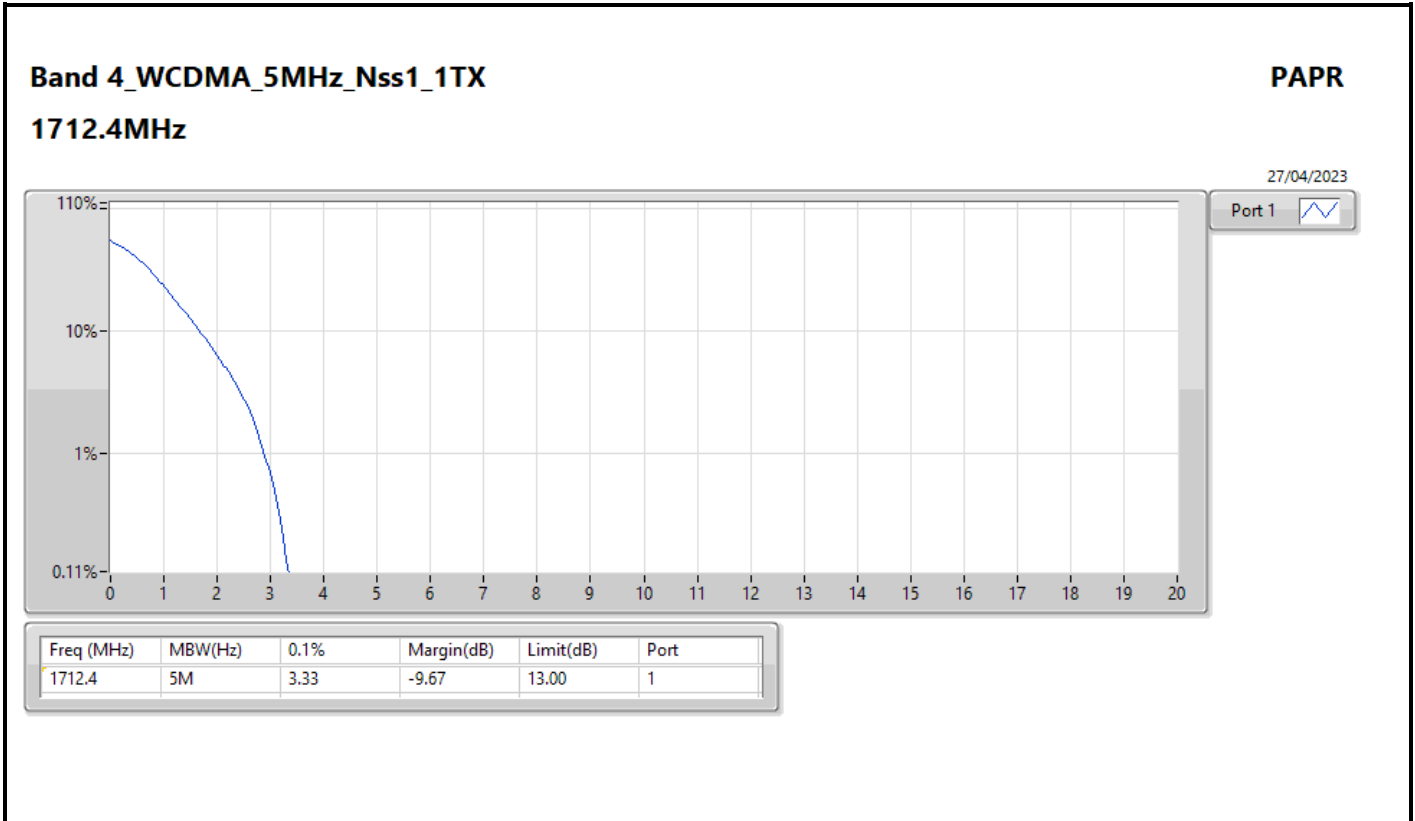


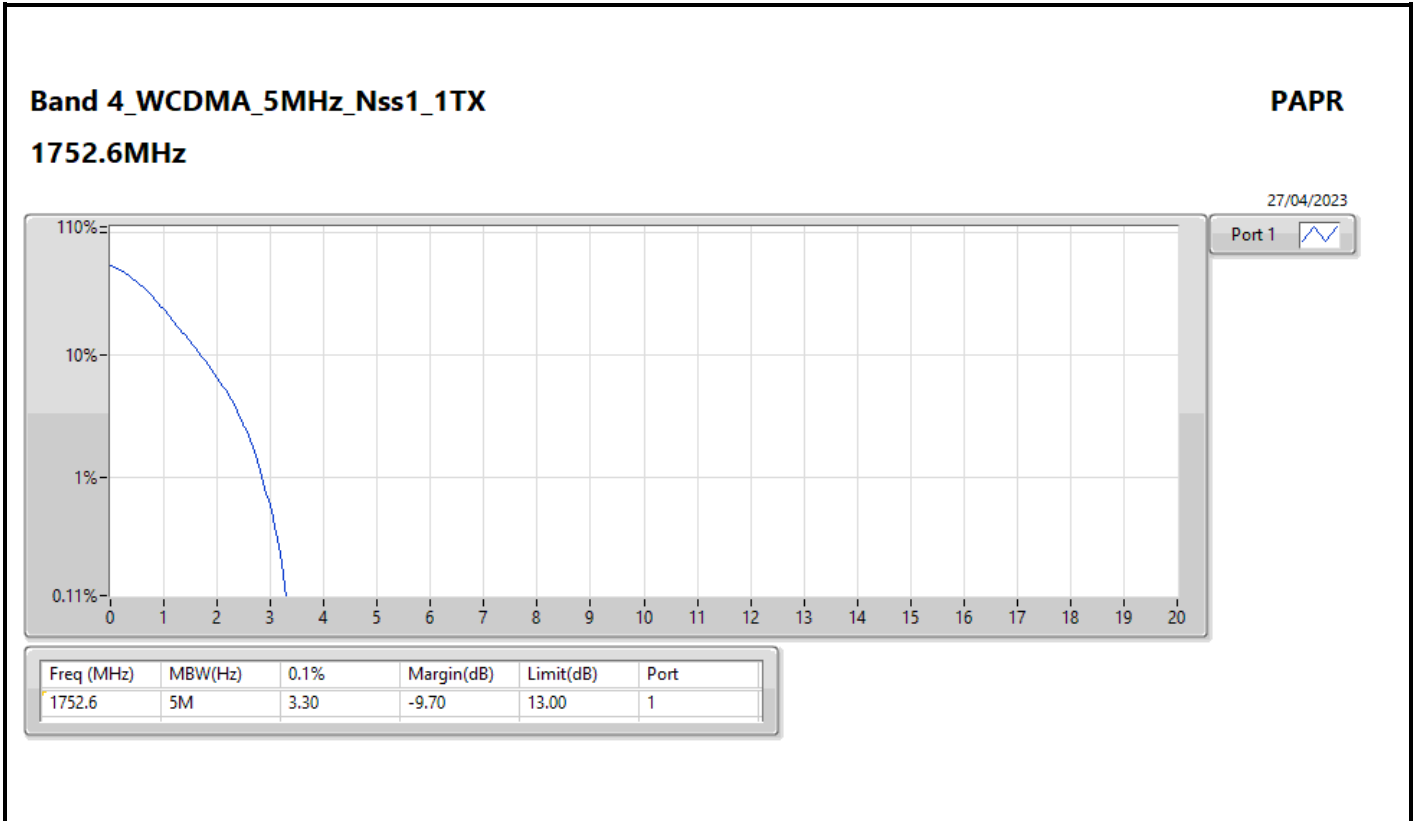
**Peak to Average Power Ratio (PAPR)  
(Mode 2: WCDMA Band 4)**

**Appendix B.2**

**Result**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 4_WCDMA_5MHz_Nss1_1TX	-	-	-	-	-
1712.4MHz	Pass	1712.4	13.00	3.33	1
1732MHz	Pass	1732	13.00	3.25	1
1752.6MHz	Pass	1752.6	13.00	3.30	1







**Peak to Average Power Ratio (PAPR)  
(Mode 3: WCDMA Band 5)**

**Appendix B.3**

**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 5	-	-	-	-	-
WCDMA_5MHz_Nss1_1TX	Pass	826.4	13.00	3.30	1



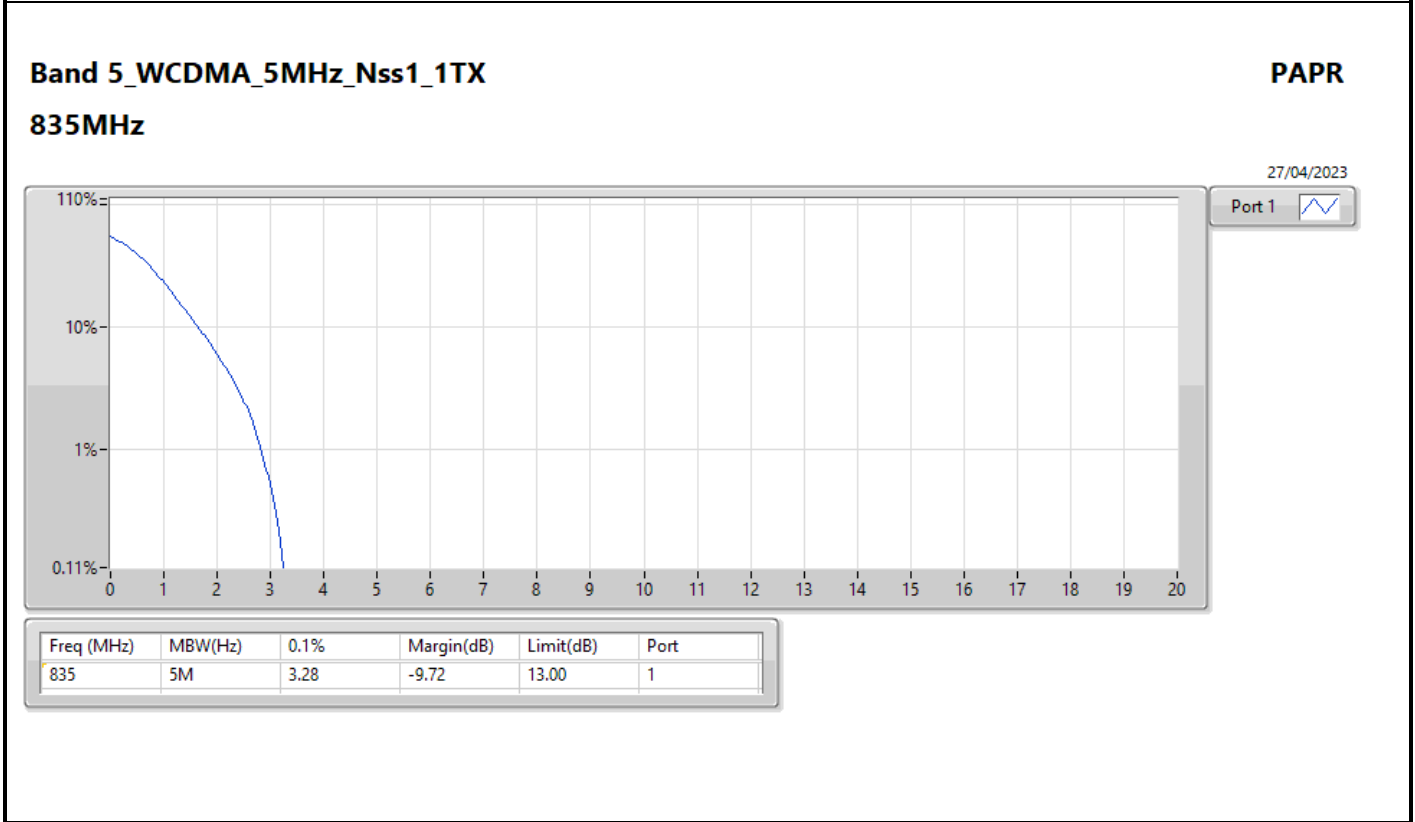
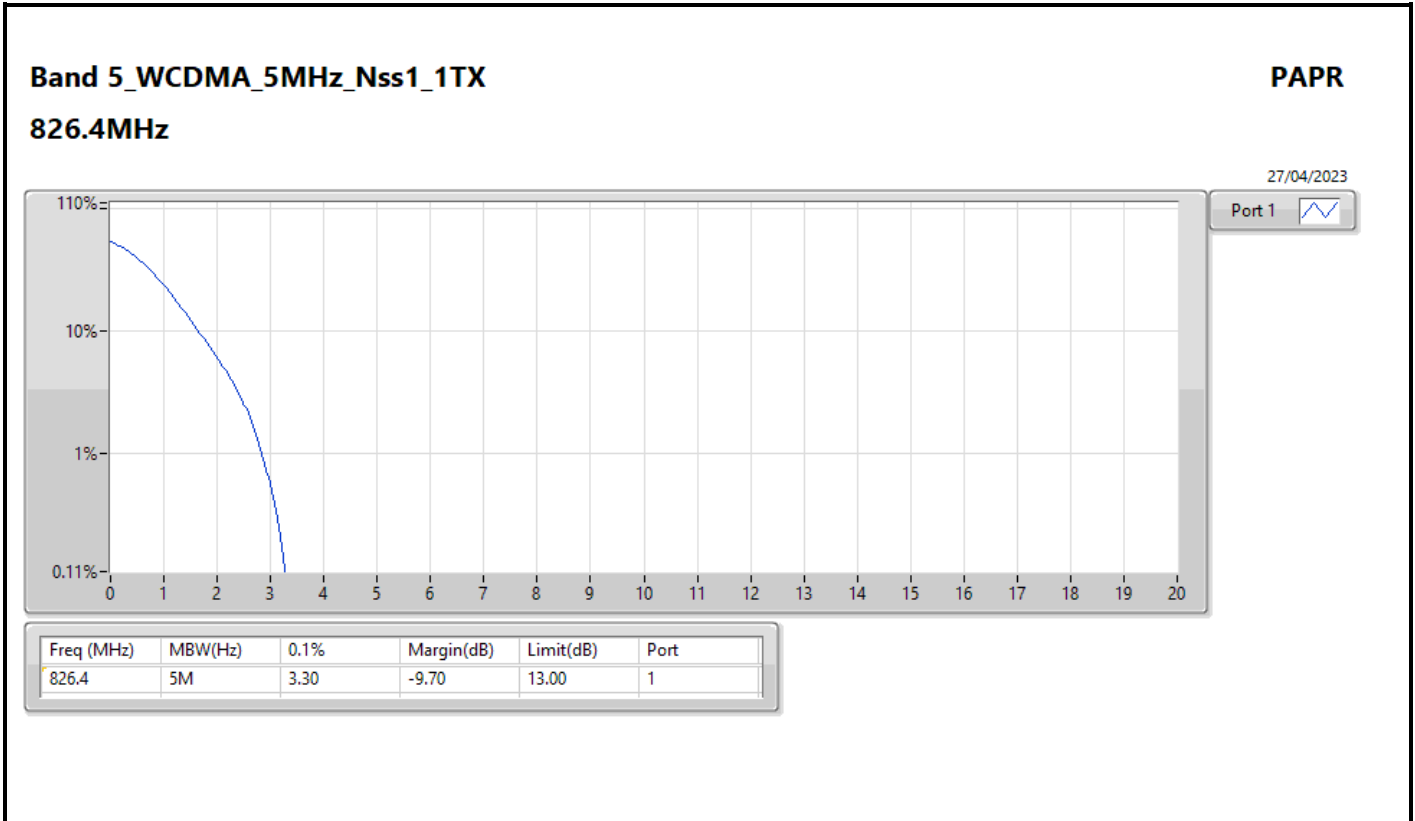
**Peak to Average Power Ratio (PAPR)  
(Mode 3: WCDMA Band 5)**

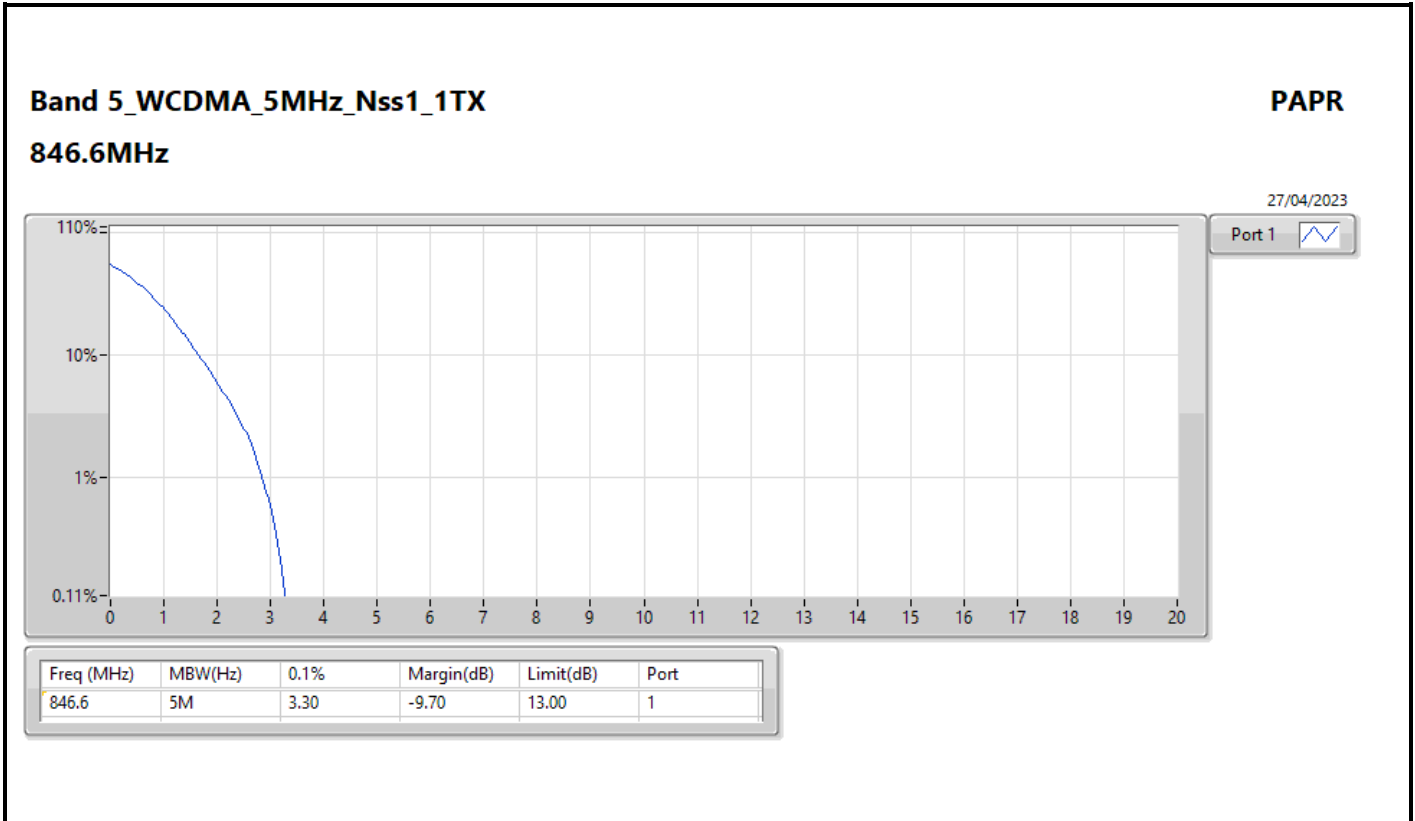
**Appendix B.3**

**Result**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 5_WCDMA_5MHz_Nss1_1TX	-	-	-	-	-
826.4MHz	Pass	826.4	13.00	3.30	1
835MHz	Pass	835	13.00	3.28	1
846.6MHz	Pass	846.6	13.00	3.30	1









**Peak to Average Power Ratio (PAPR)  
(Mode 4: LTE Band 2)**

**Appendix B.4**

**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 2	-	-	-	-	-
LTE_20MHz_QPSK_1TX	Pass	1880	13.00	5.54	1
LTE_20MHz_16QAM_1TX	Pass	1880	13.00	6.46	1
LTE_20MHz_64QAM_1TX	Pass	1860	13.00	6.29	1

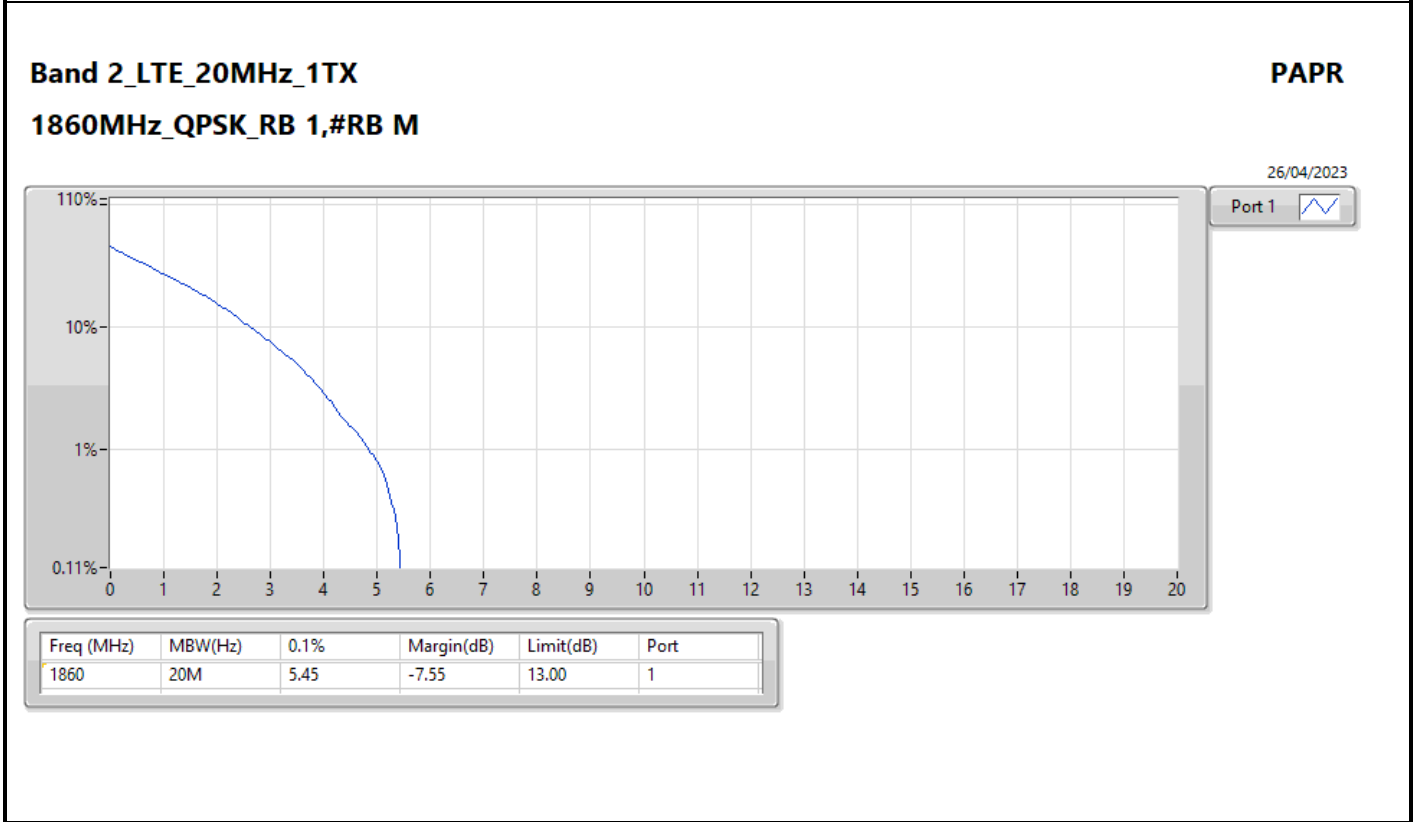
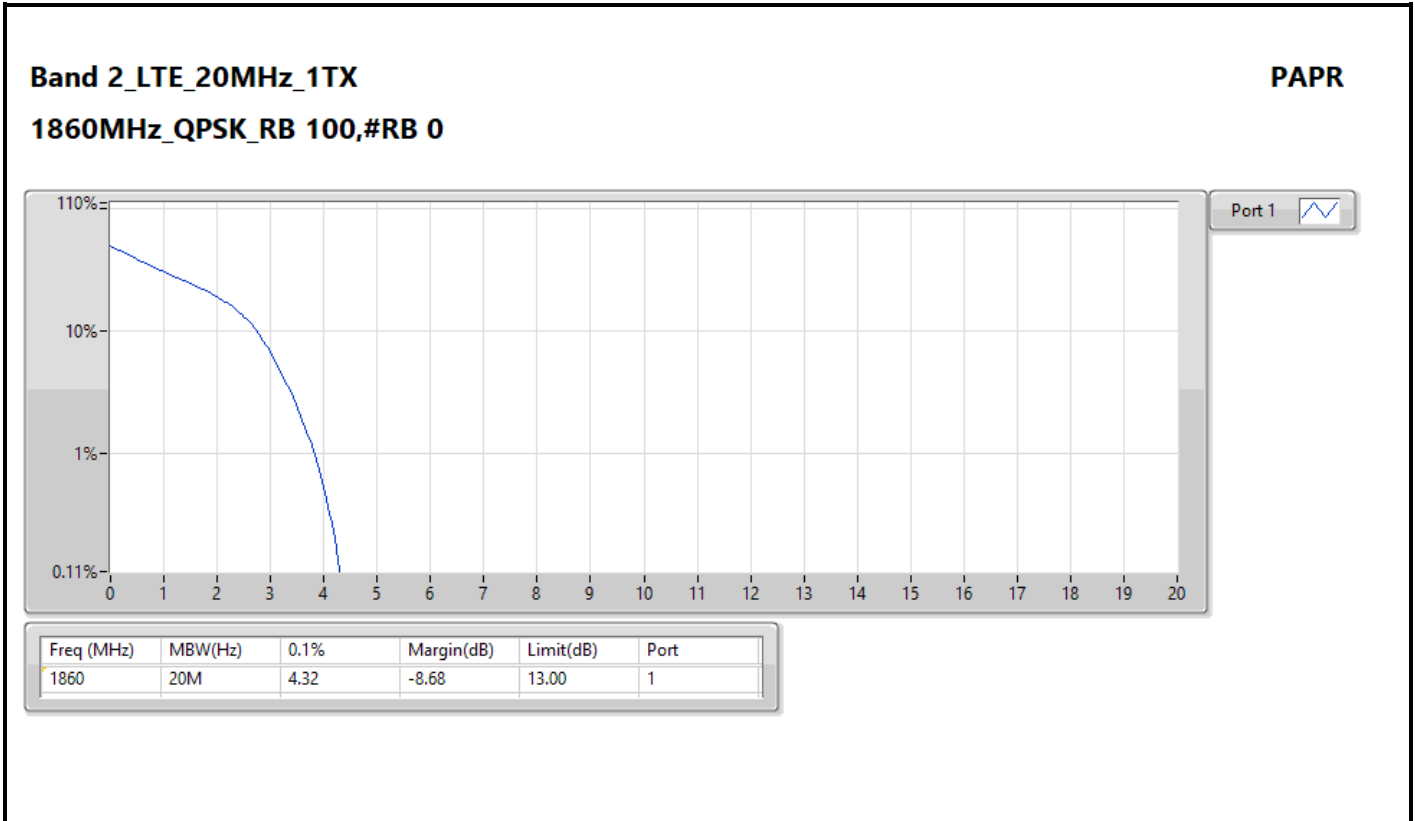


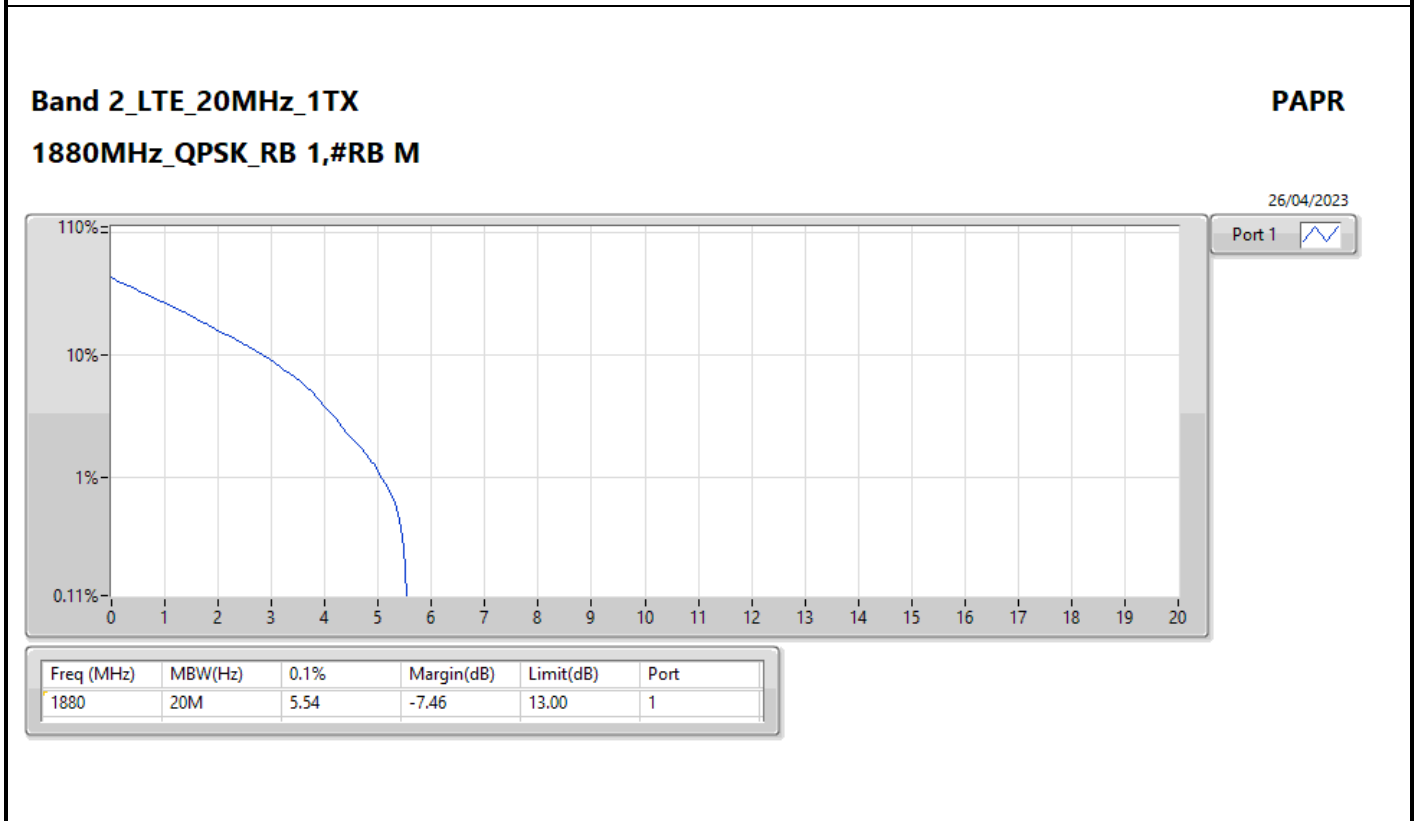
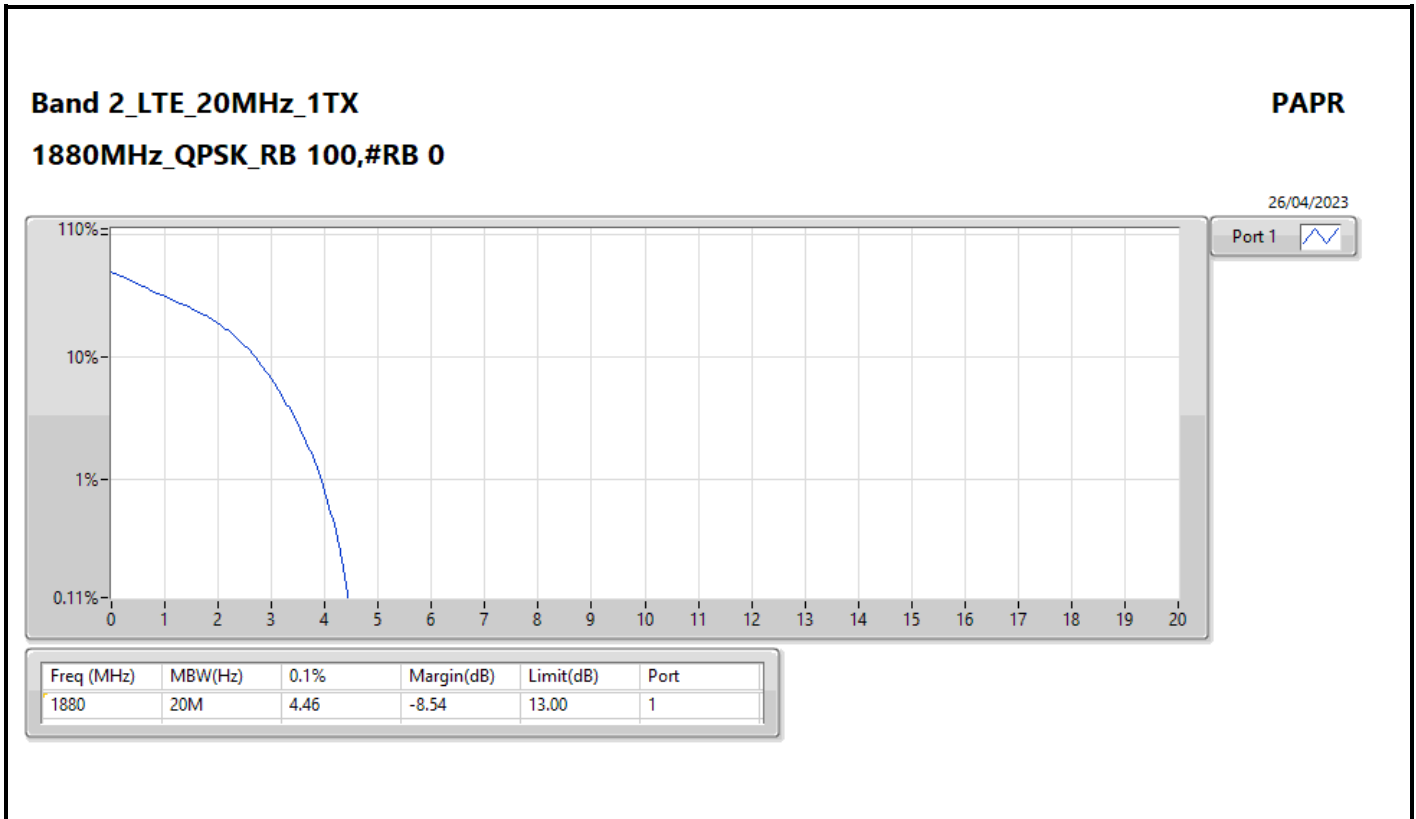
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(Mode 4: LTE Band 2)**

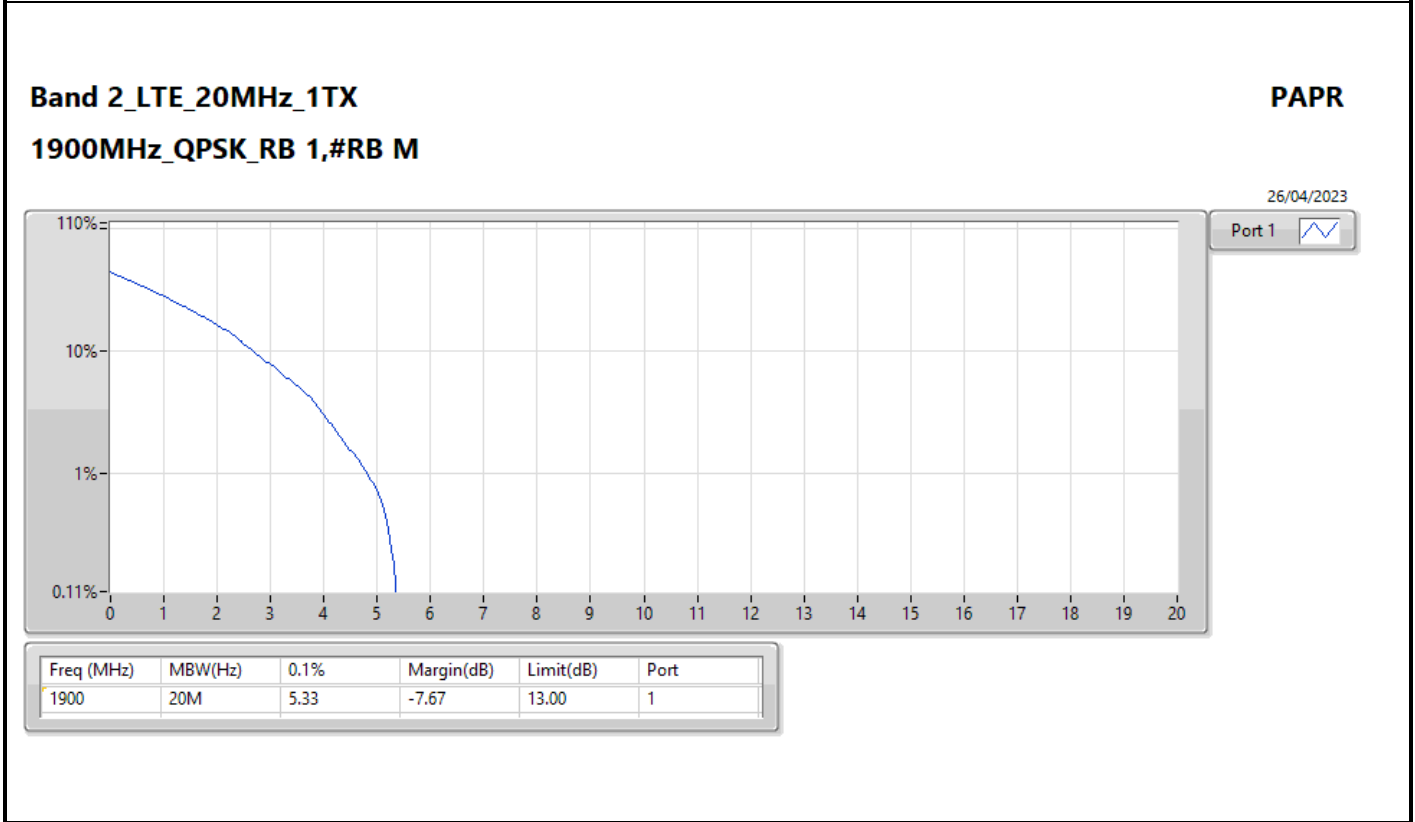
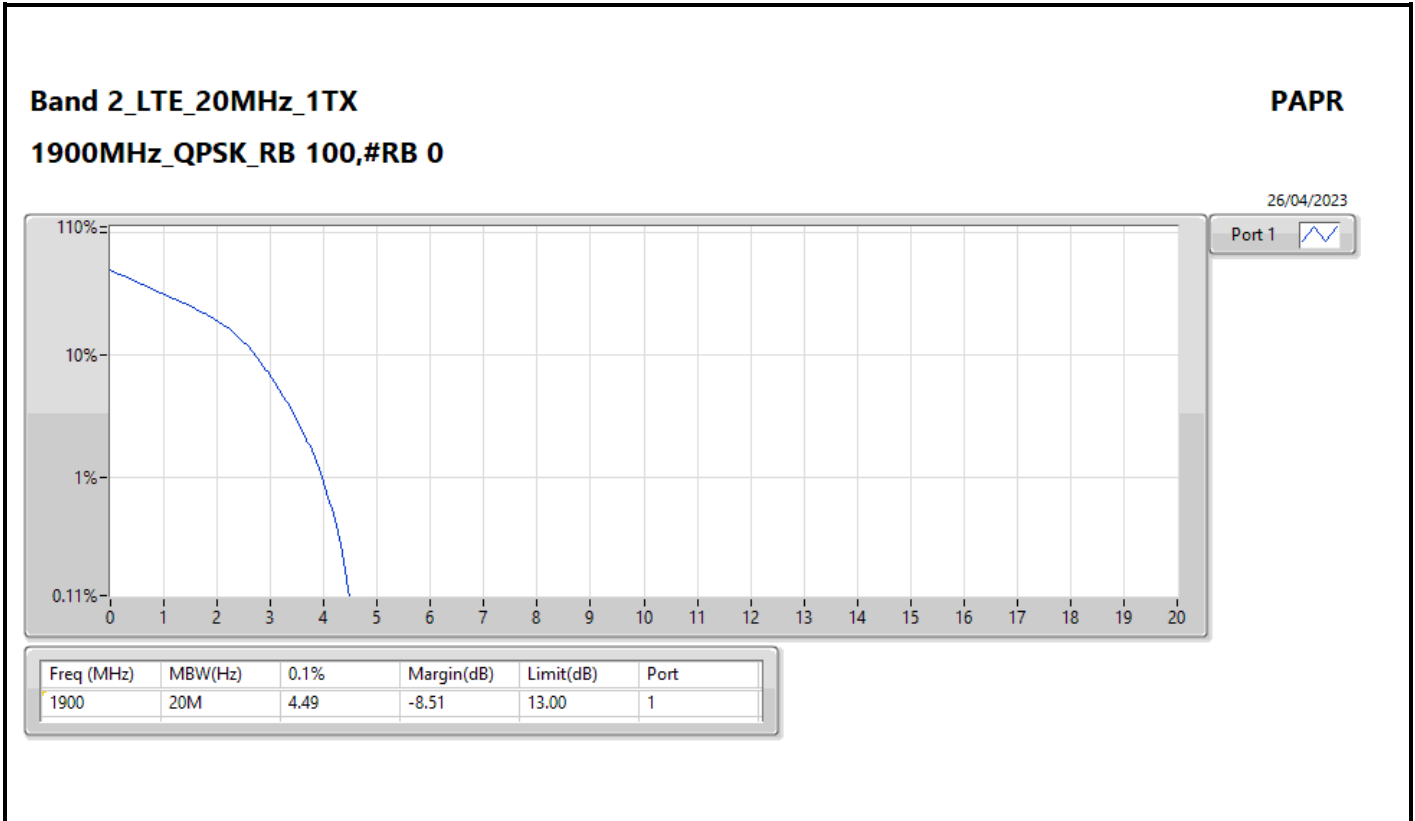
**Appendix B.4**

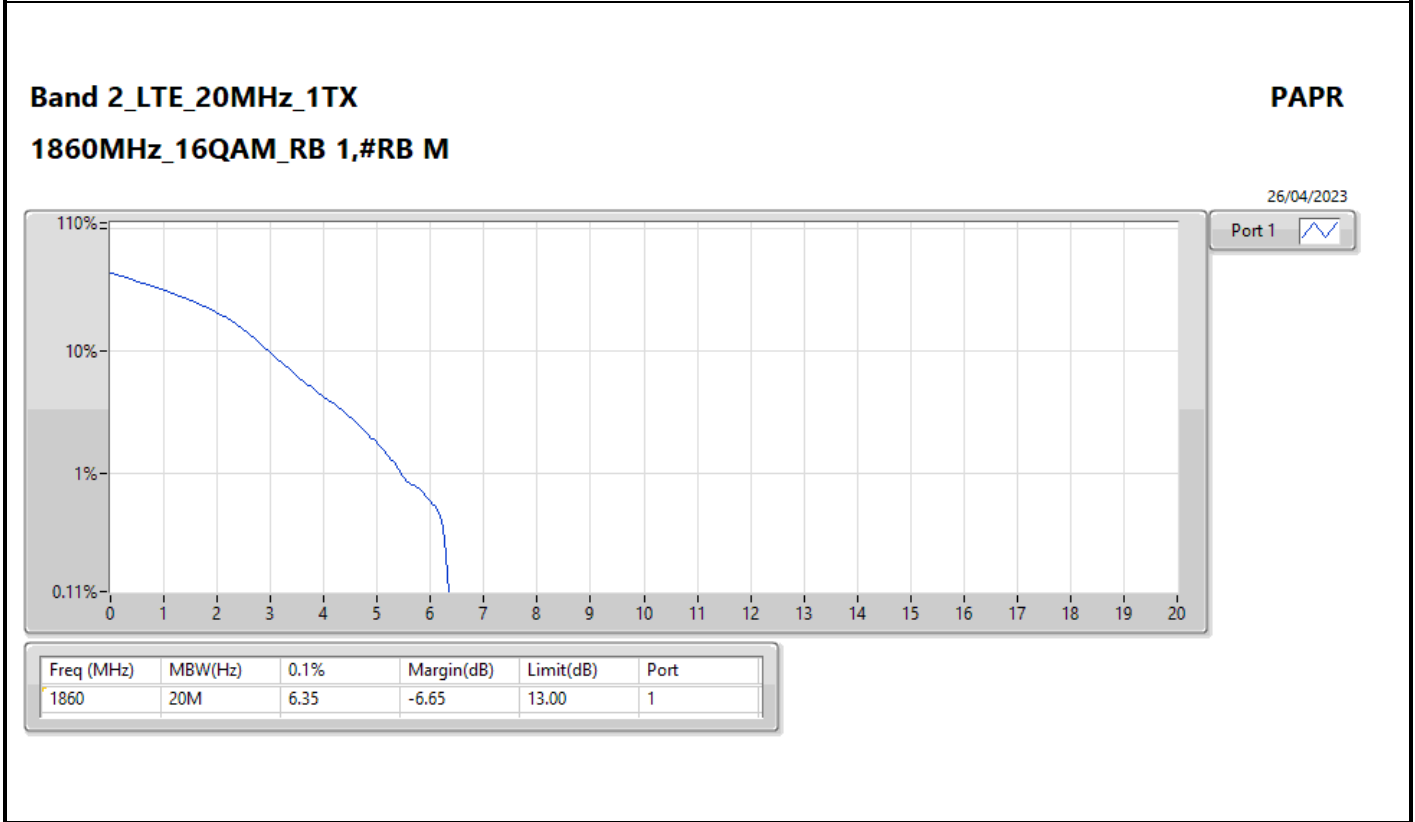
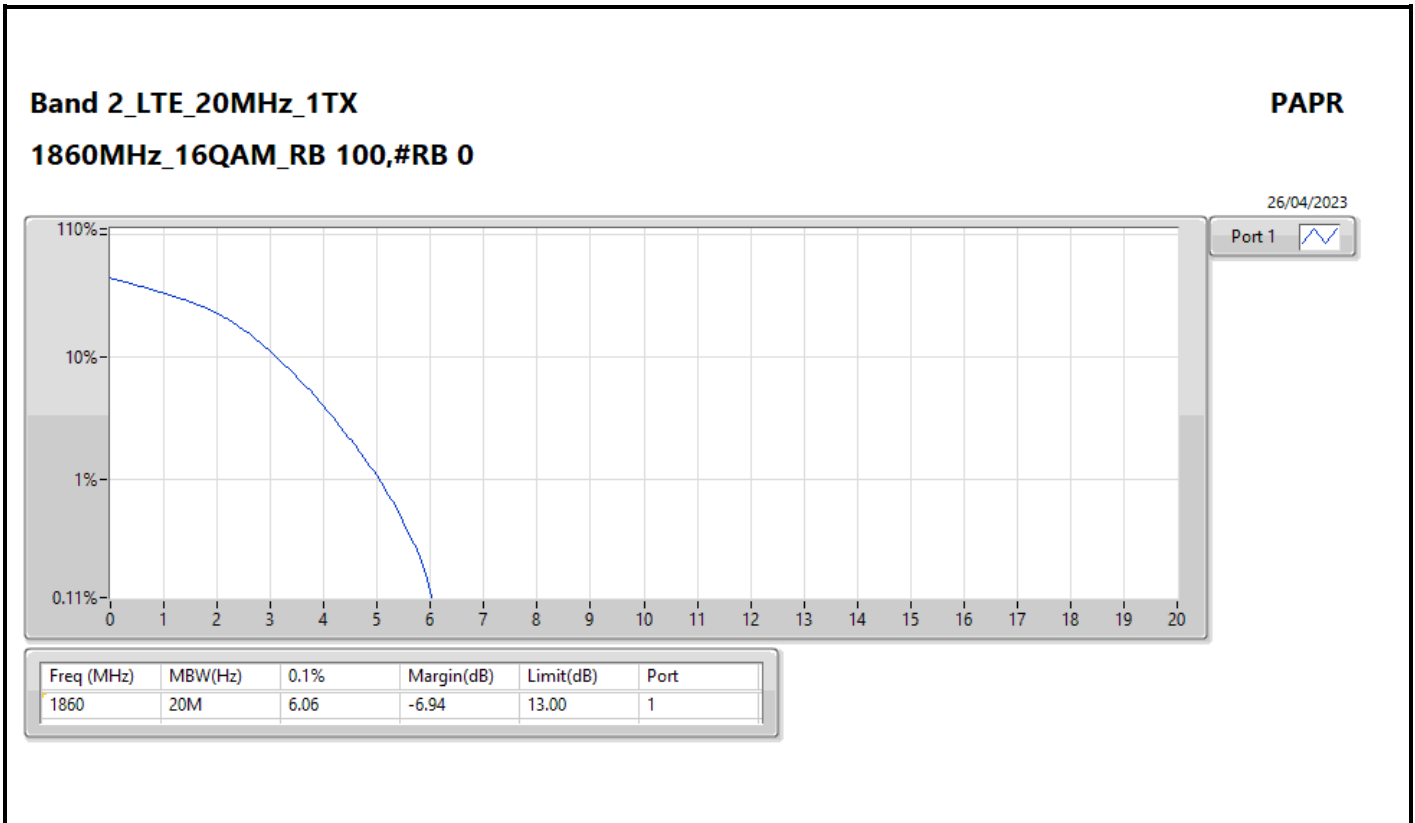
**Result**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 2_LTE_20MHz_QPSK_1TX	-	-	-	-	-
1860MHz_RB 100,#RB 0	Pass	1860	13.00	4.32	1
1860MHz_RB 1,#RB M	Pass	1860	13.00	5.45	1
1880MHz_RB 100,#RB 0	Pass	1880	13.00	4.46	1
1880MHz_RB 1,#RB M	Pass	1880	13.00	5.54	1
1900MHz_RB 100,#RB 0	Pass	1900	13.00	4.49	1
1900MHz_RB 1,#RB M	Pass	1900	13.00	5.33	1
Band 2_LTE_20MHz_16QAM_1TX	-	-	-	-	-
1860MHz_RB 100,#RB 0	Pass	1860	13.00	6.06	1
1860MHz_RB 1,#RB M	Pass	1860	13.00	6.35	1
1880MHz_RB 100,#RB 0	Pass	1880	13.00	6.17	1
1880MHz_RB 1,#RB M	Pass	1880	13.00	6.46	1
1900MHz_RB 100,#RB 0	Pass	1900	13.00	6.14	1
1900MHz_RB 1,#RB M	Pass	1900	13.00	5.94	1
Band 2_LTE_20MHz_64QAM_1TX	-	-	-	-	-
1860MHz_RB 100,#RB 0	Pass	1860	13.00	6.03	1
1860MHz_RB 1,#RB M	Pass	1860	13.00	6.29	1
1880MHz_RB 100,#RB 0	Pass	1880	13.00	6.14	1
1880MHz_RB 1,#RB M	Pass	1880	13.00	6.06	1
1900MHz_RB 100,#RB 0	Pass	1900	13.00	6.12	1
1900MHz_RB 1,#RB M	Pass	1900	13.00	6.14	1

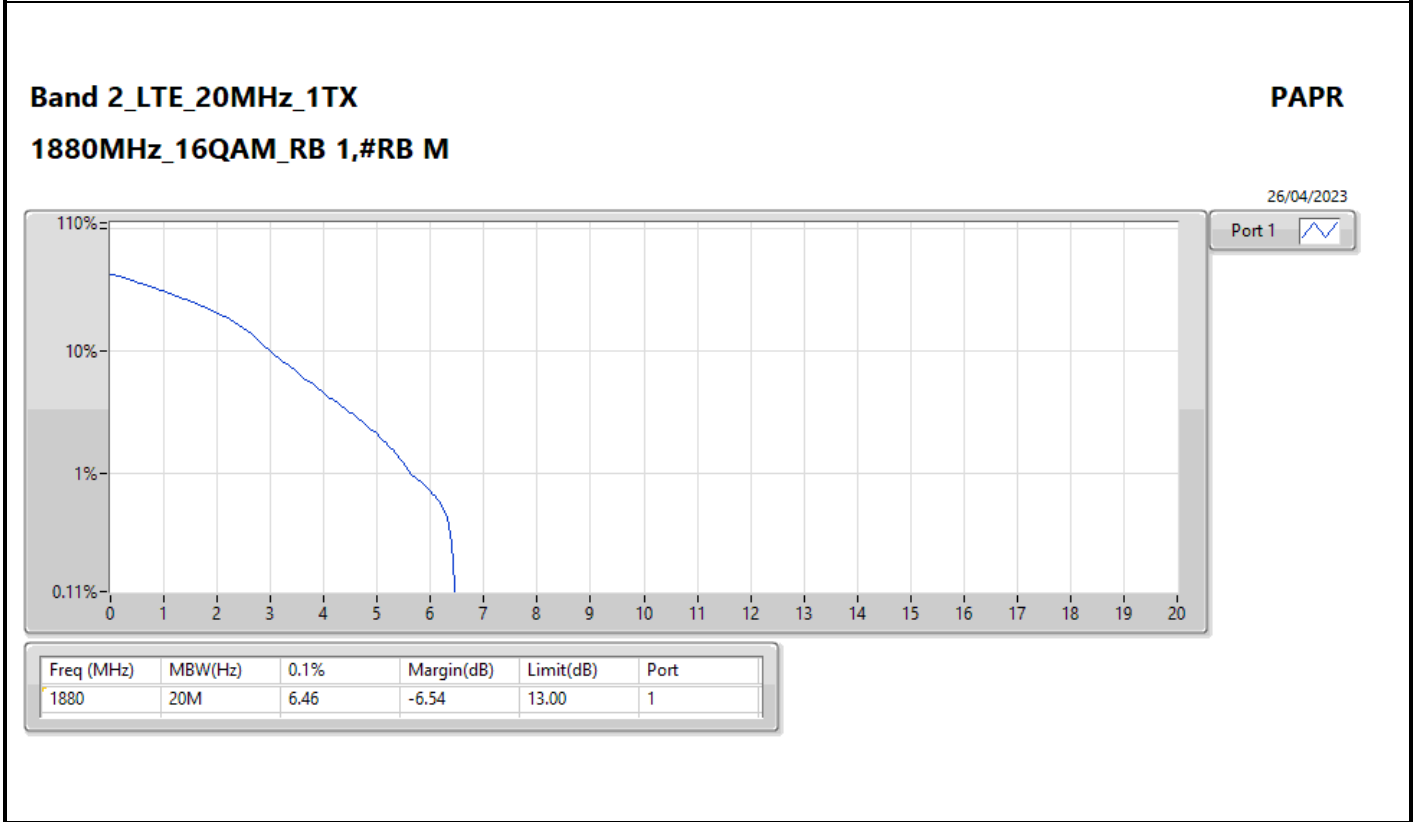
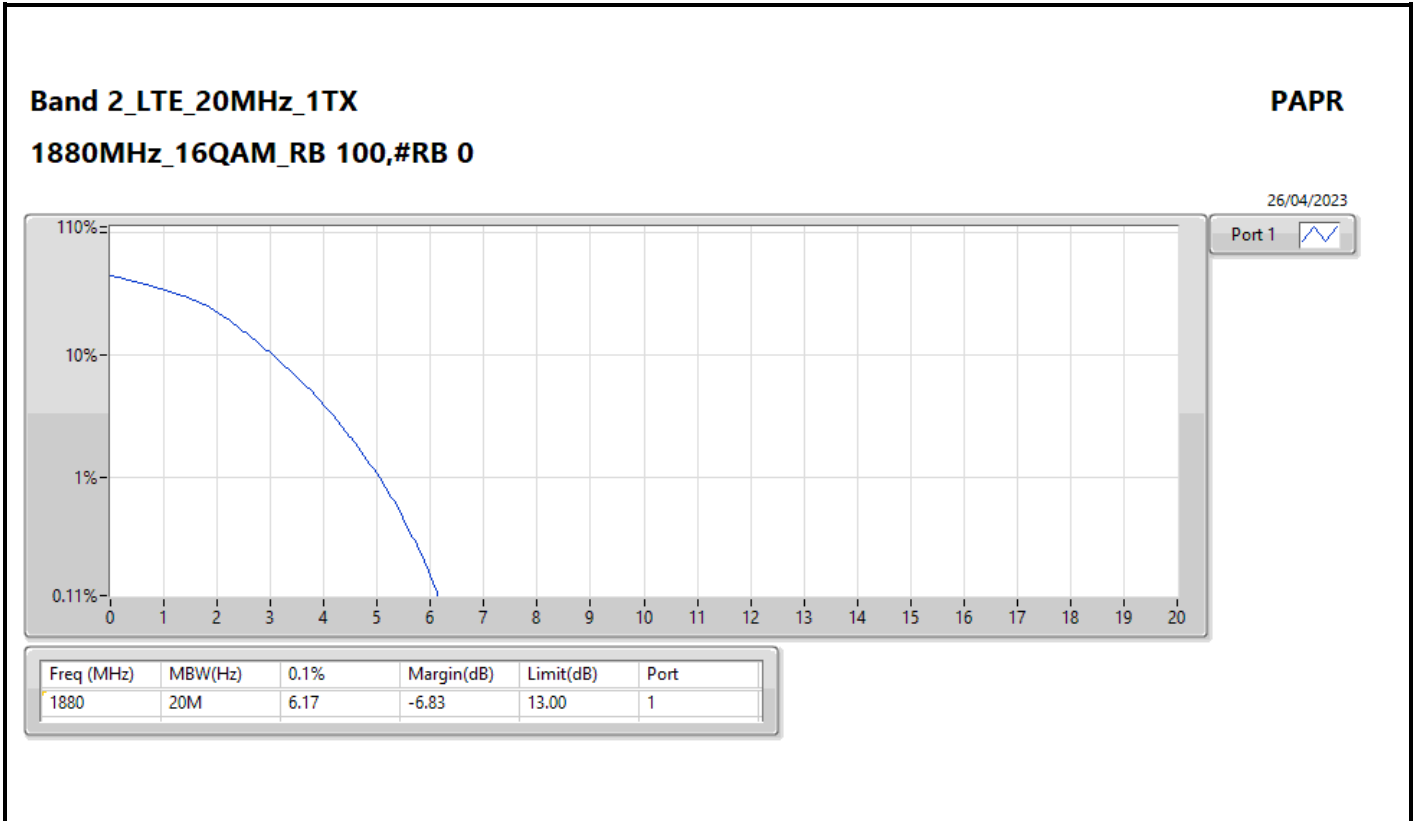


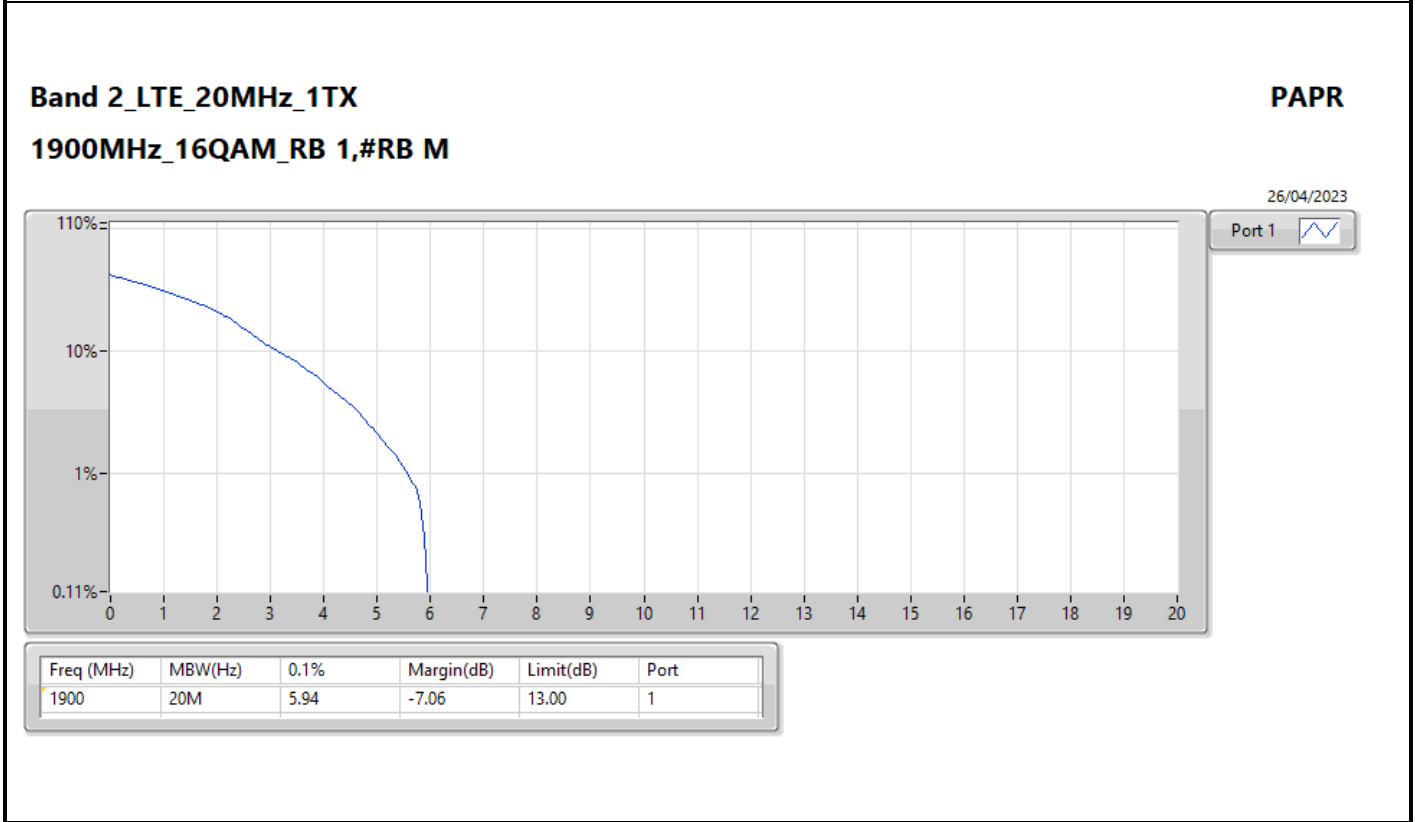
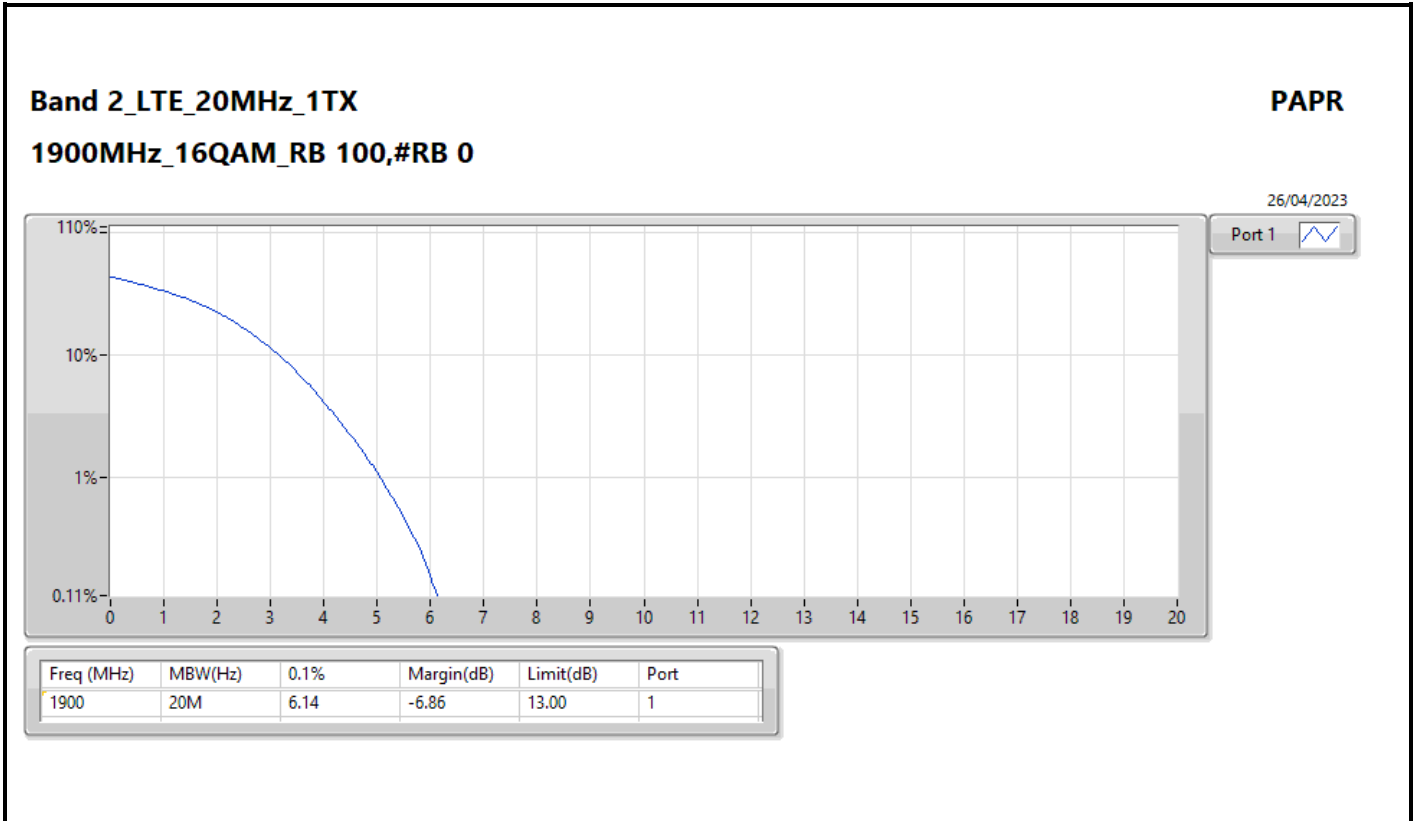


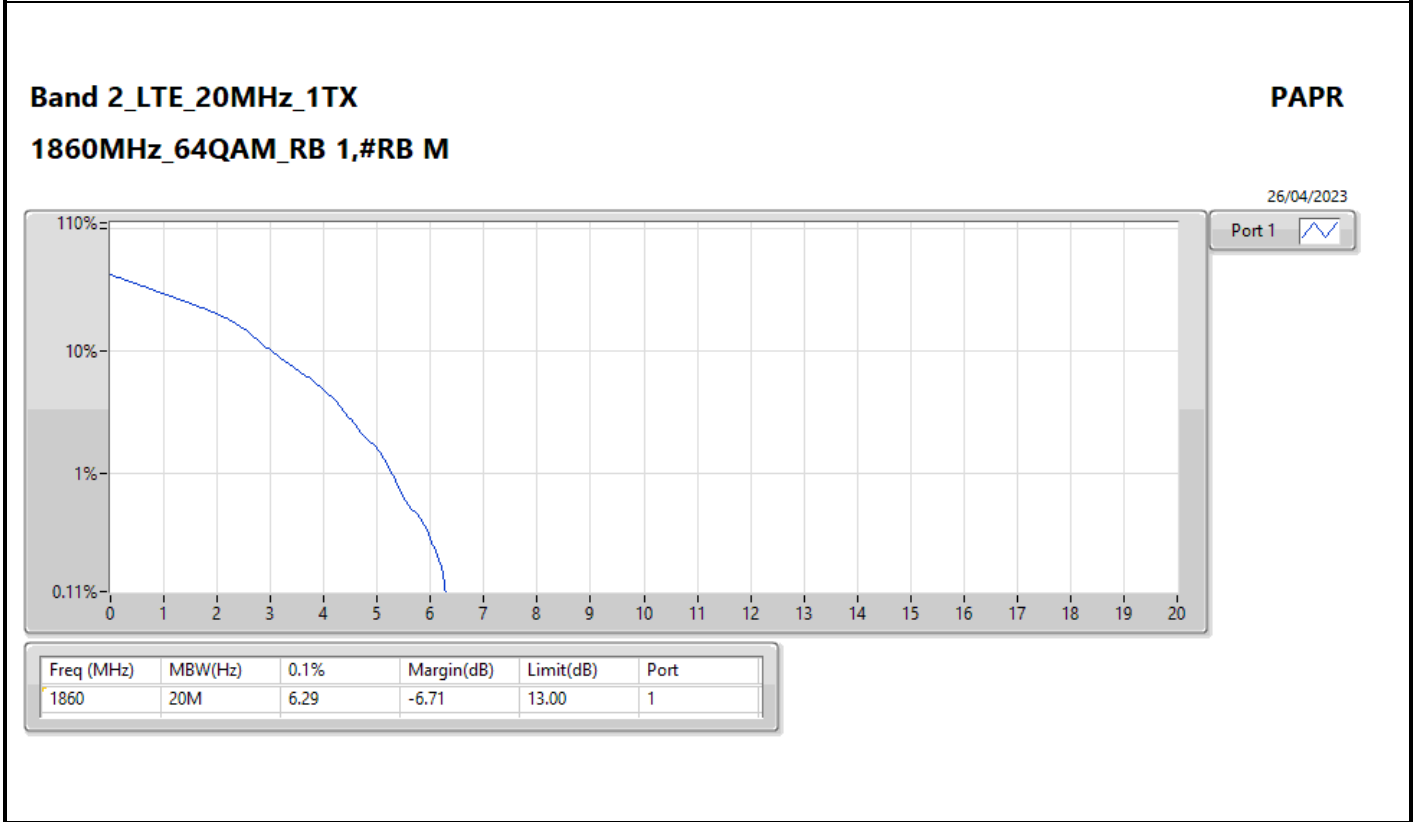
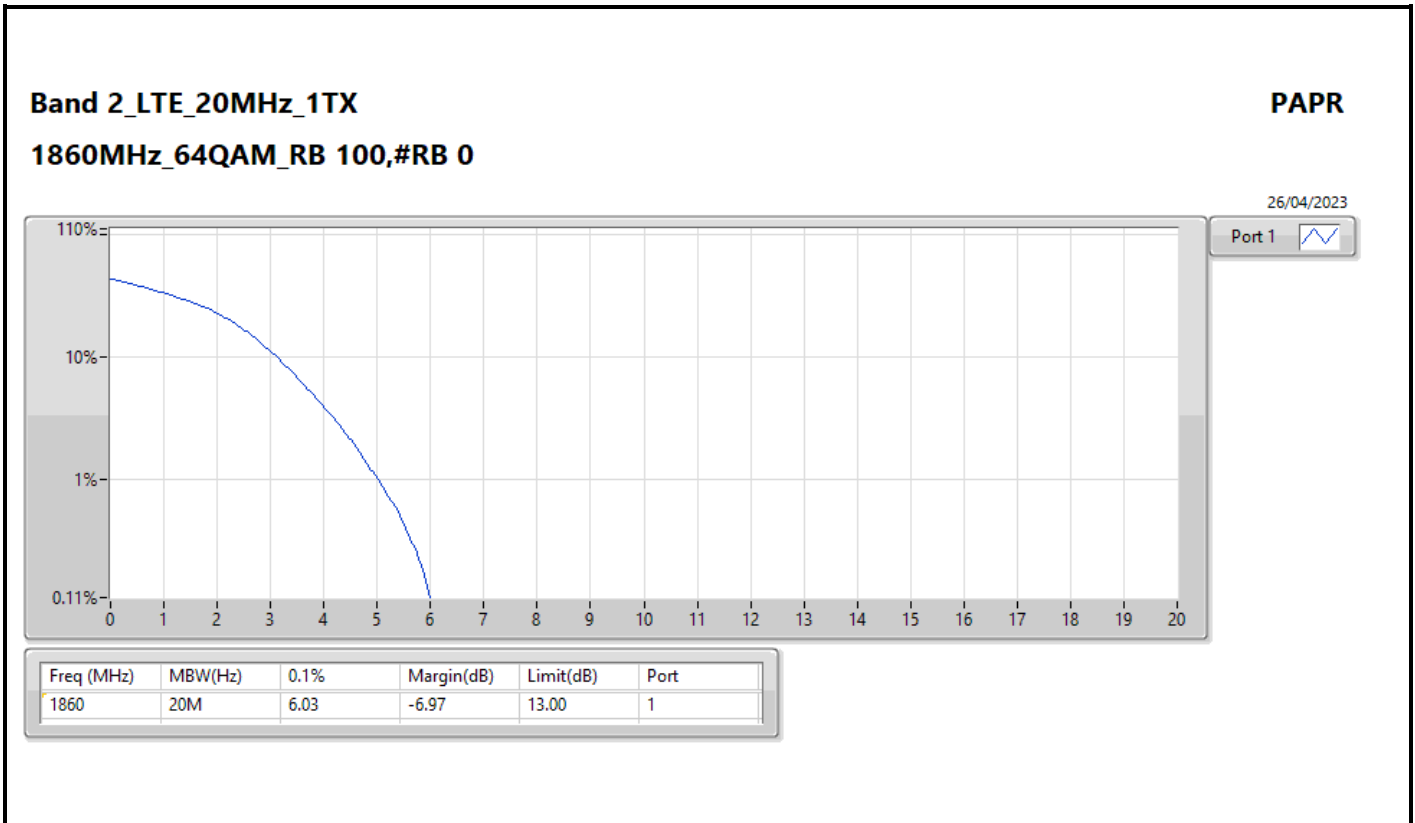


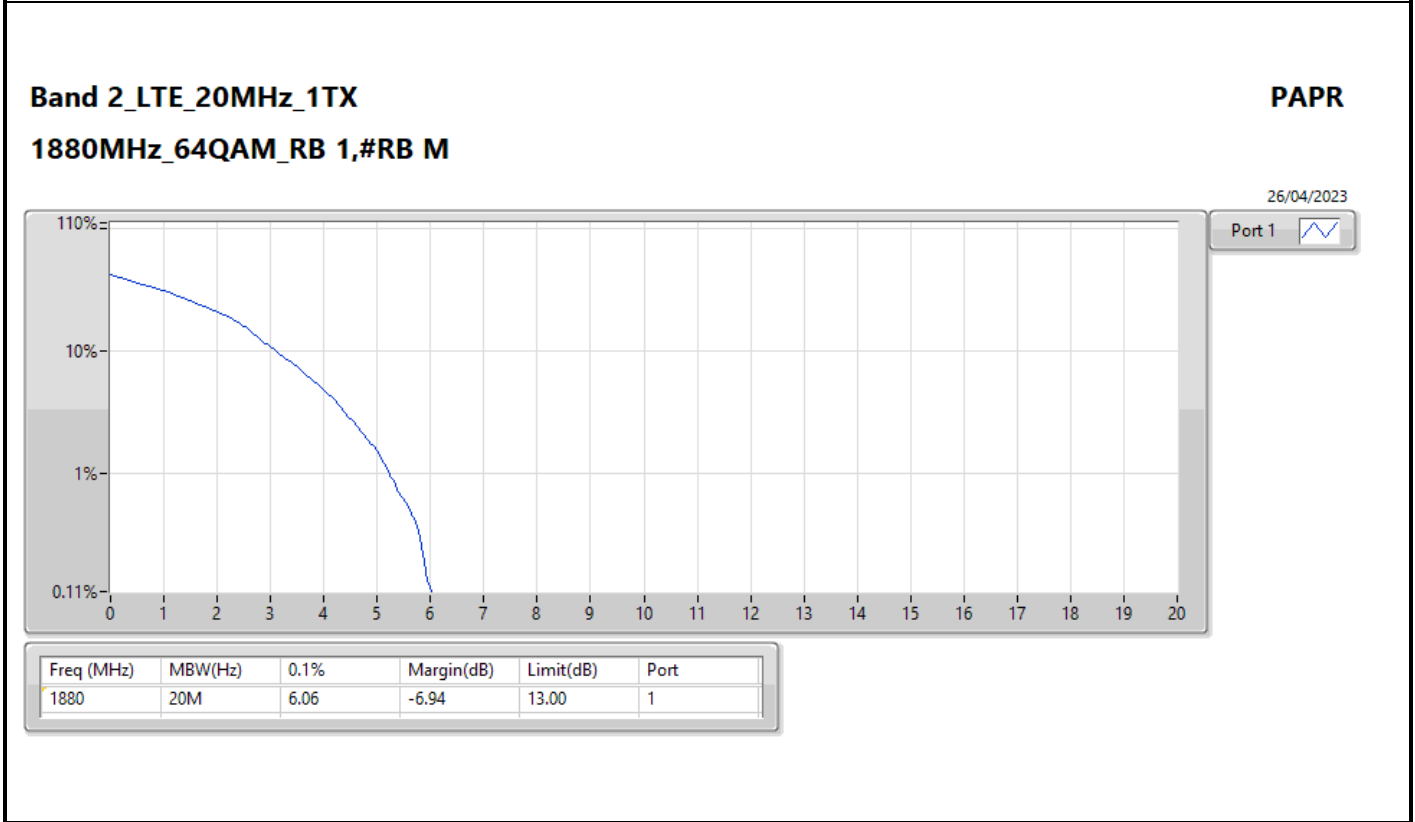
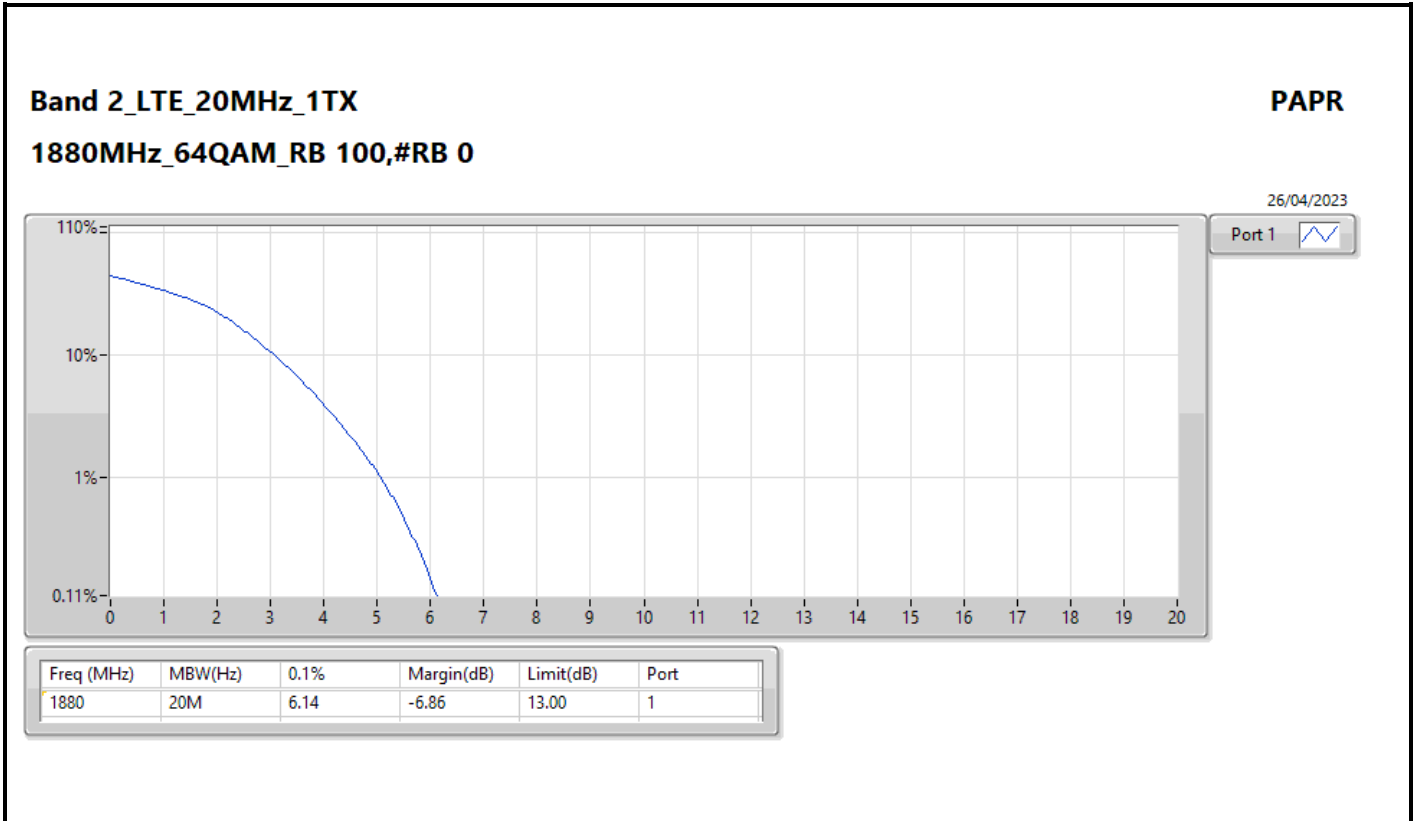


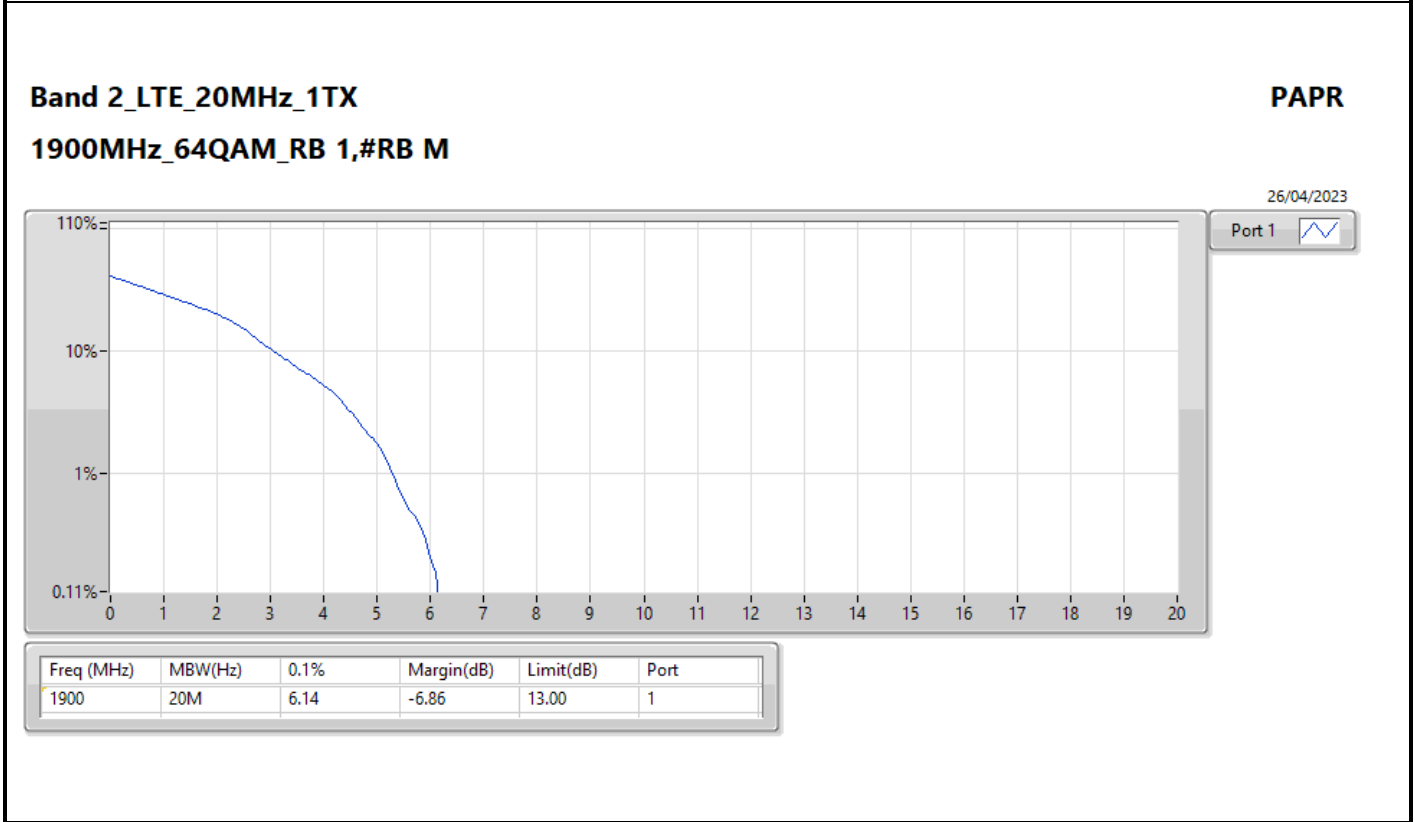
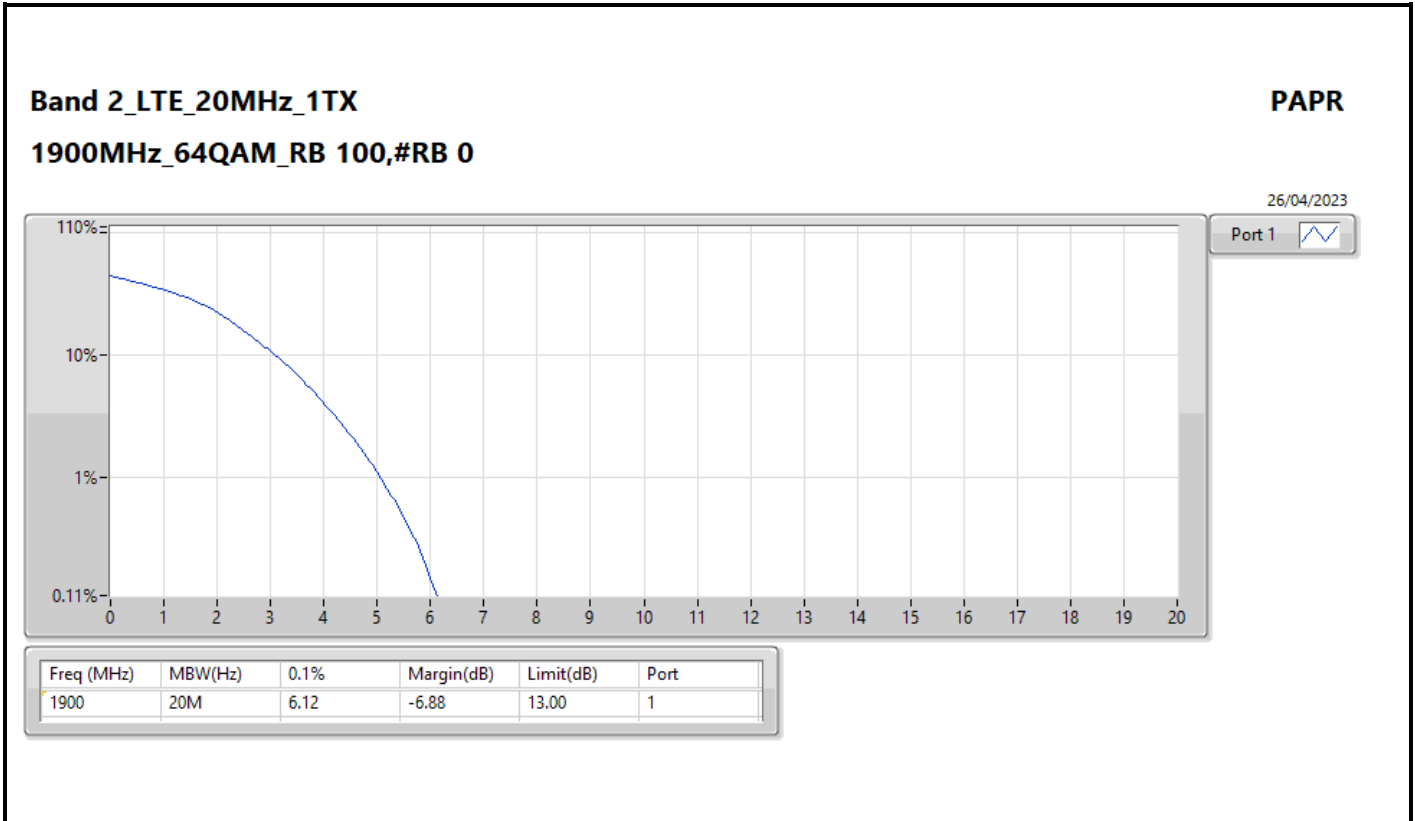














**Peak to Average Power Ratio (PAPR)  
(Mode 5: LTE Band 4)**

**Appendix B.5**

**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 4	-	-	-	-	-
LTE_20MHz_QPSK_1TX	Pass	1720	13.00	5.71	1
LTE_20MHz_16QAM_1TX	Pass	1720	13.00	6.46	1
LTE_20MHz_64QAM_1TX	Pass	1720	13.00	6.09	1

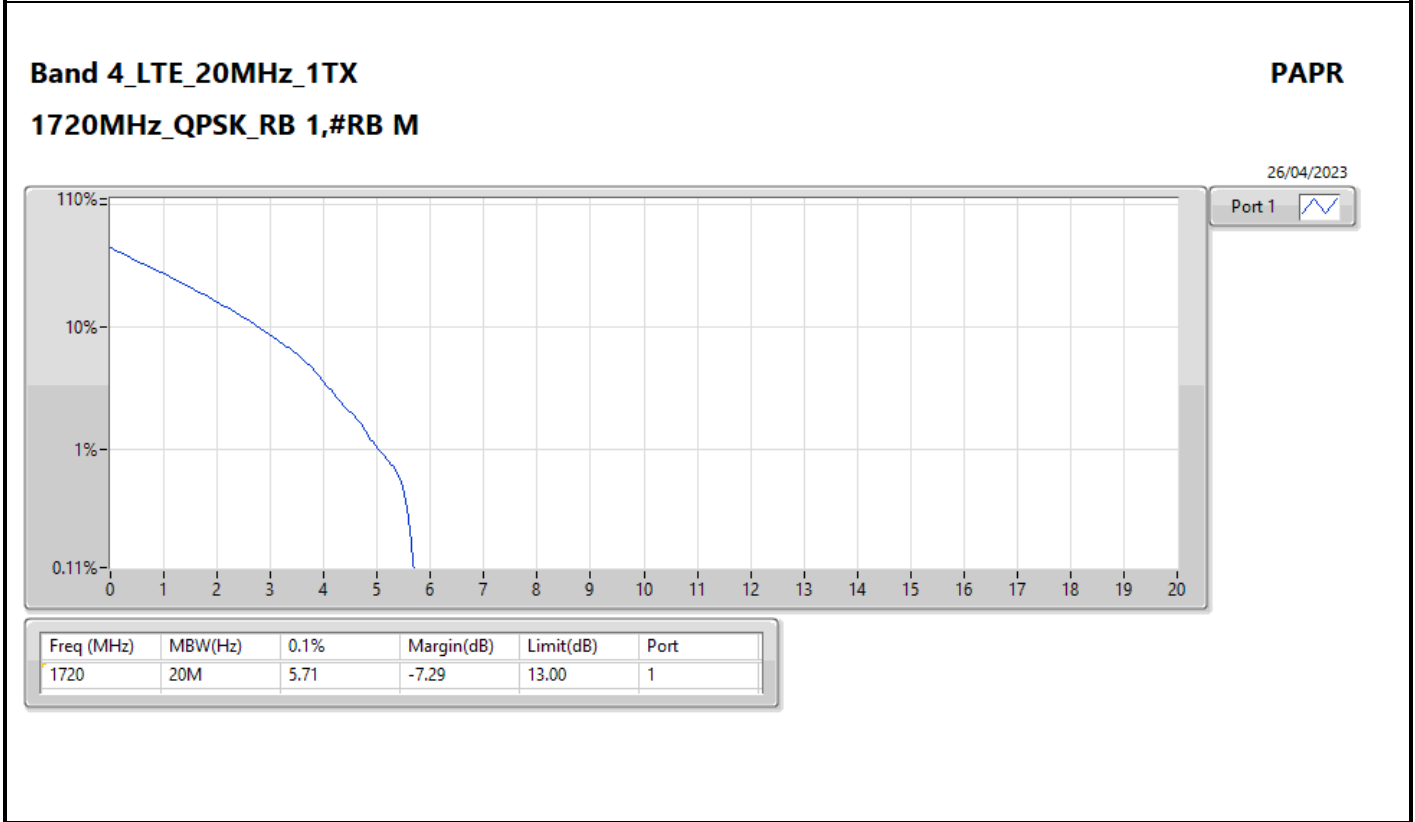
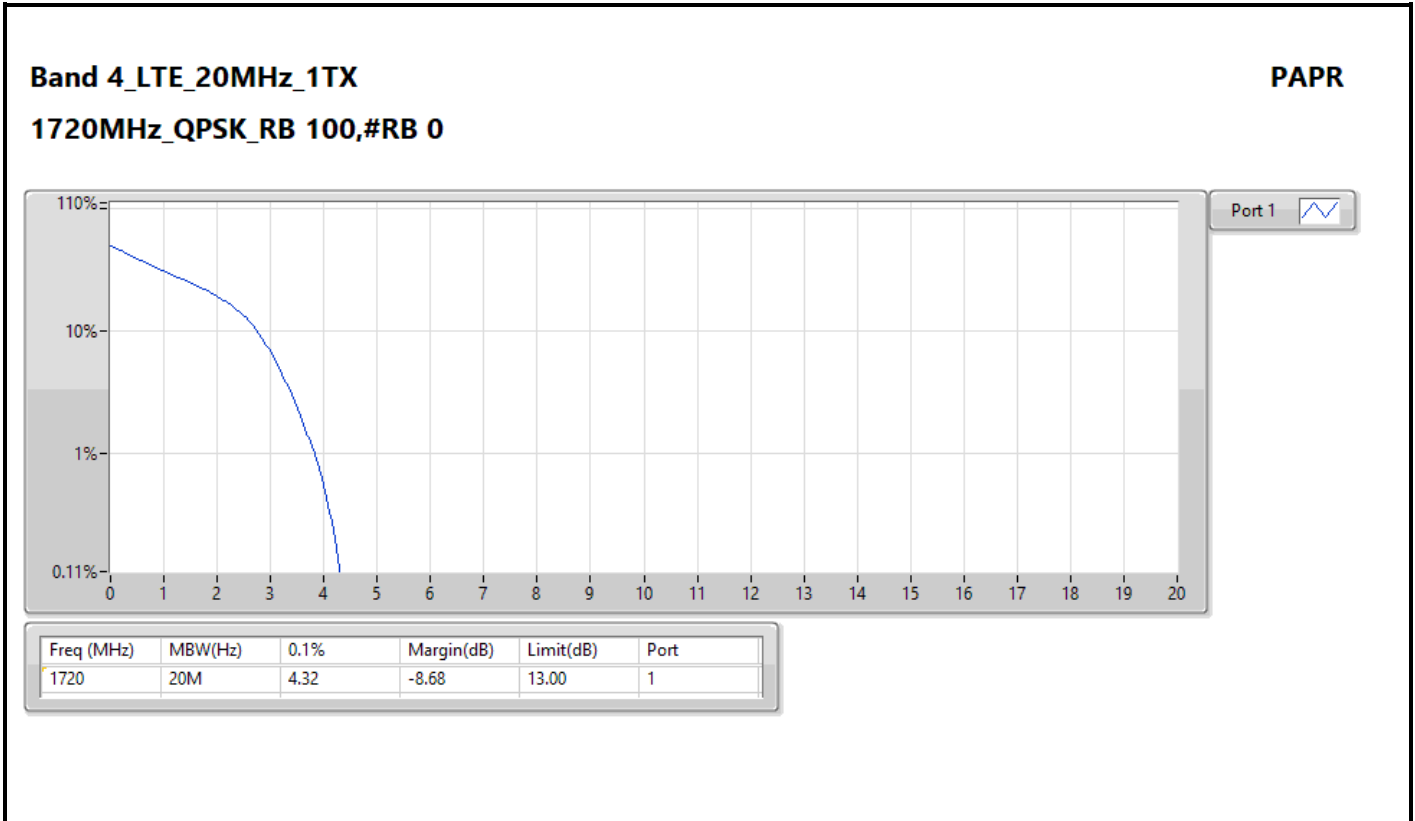


**Peak to Average Power Ratio (PAPR)  
(Mode 5: LTE Band 4)**

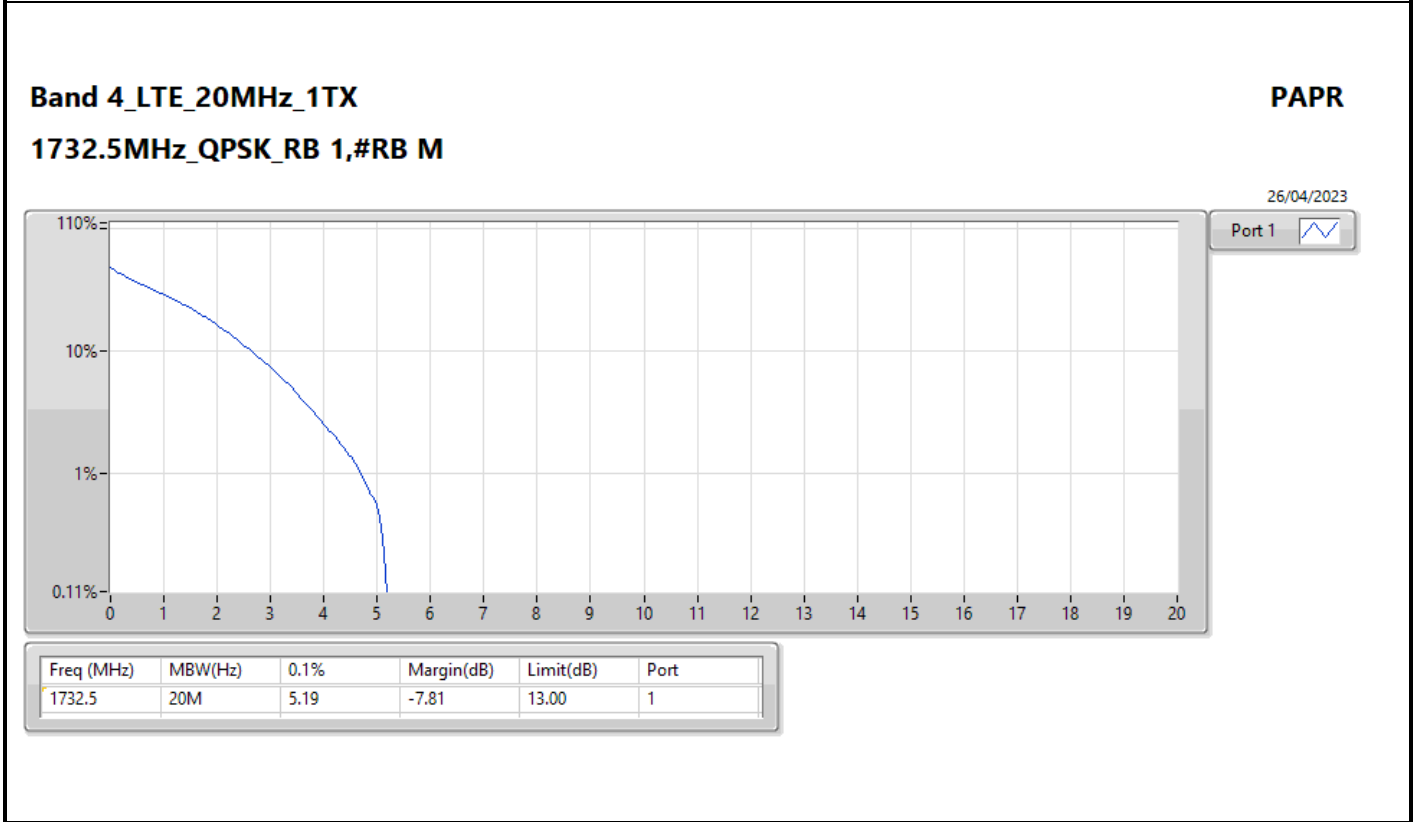
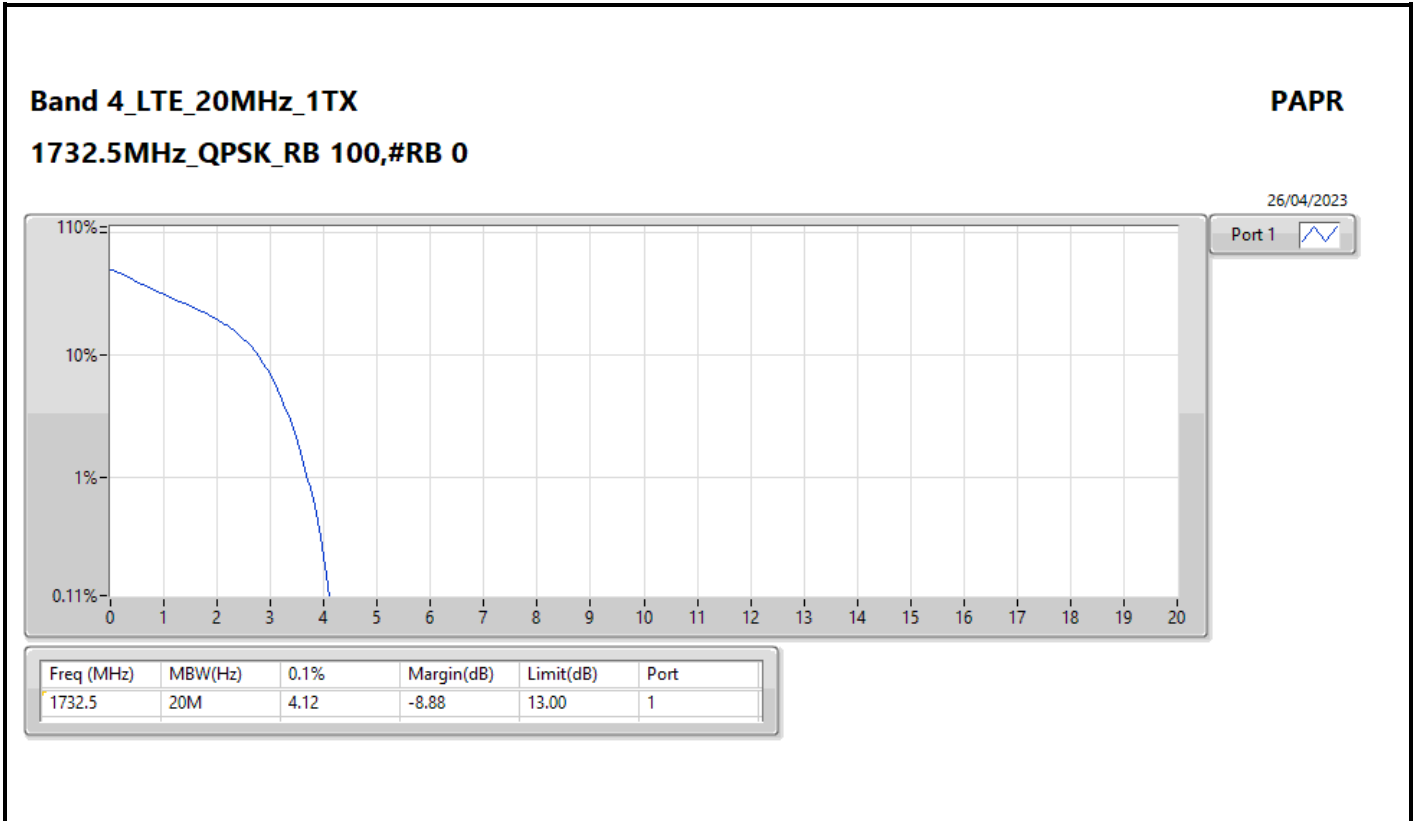
**Appendix B.5**

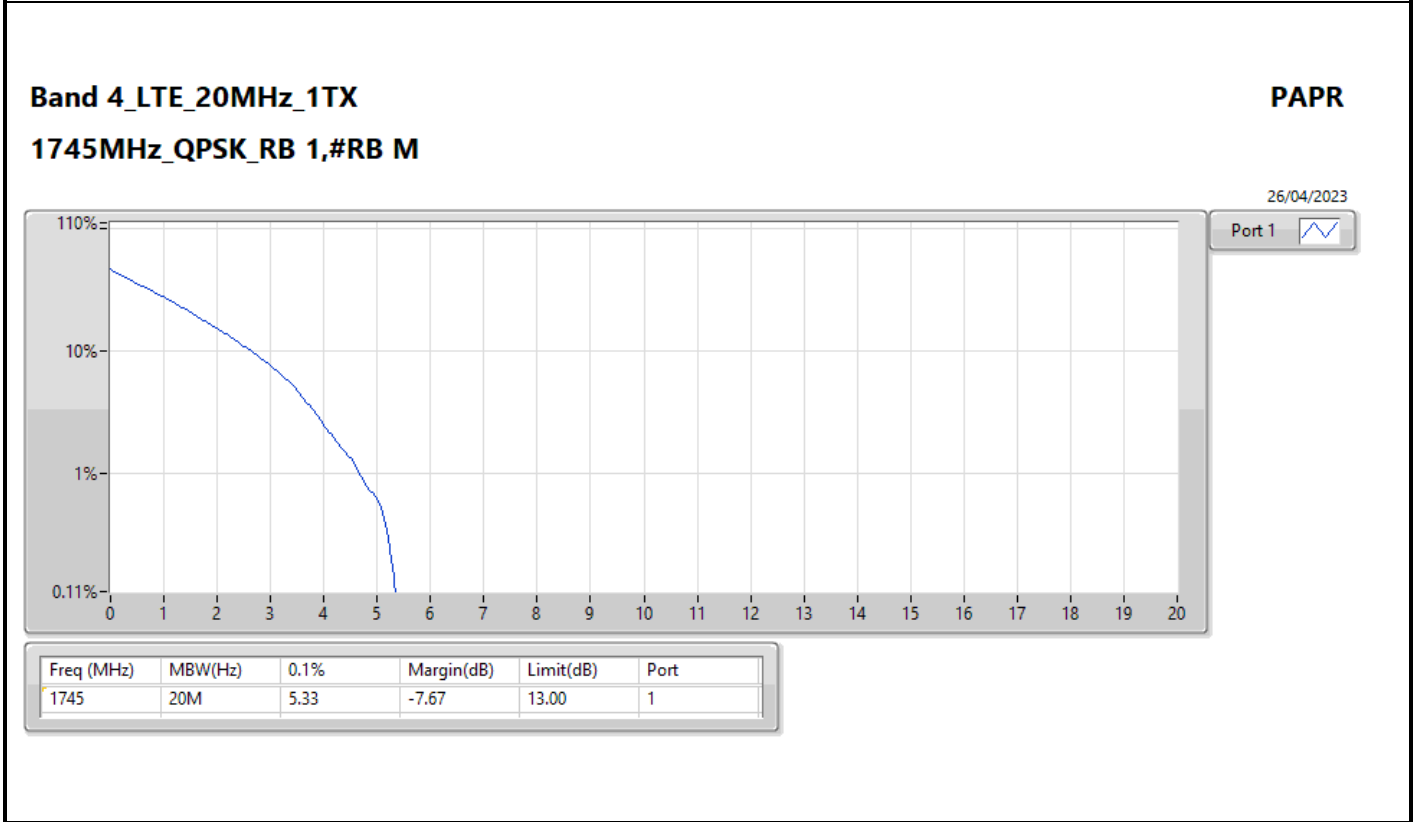
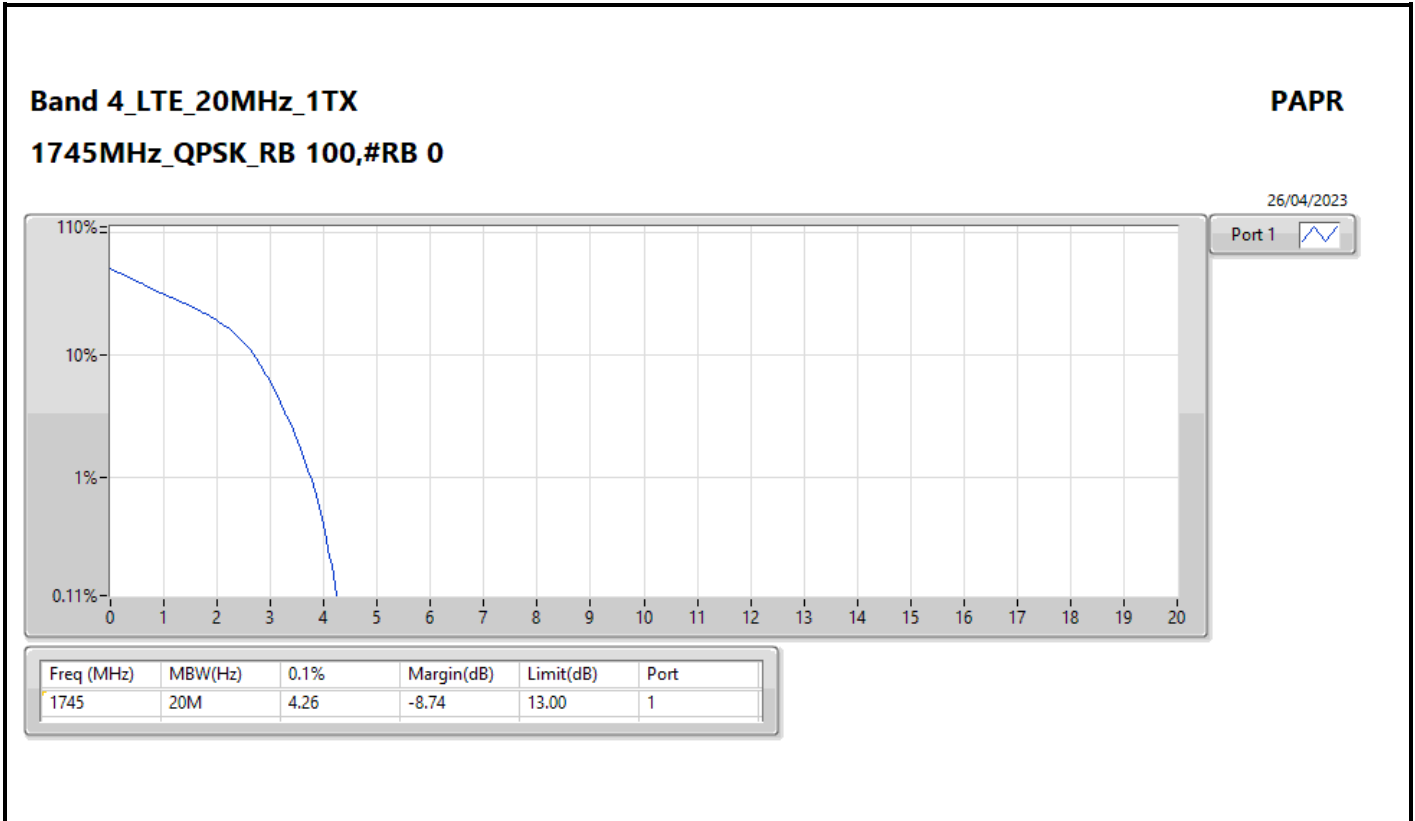
**Result**

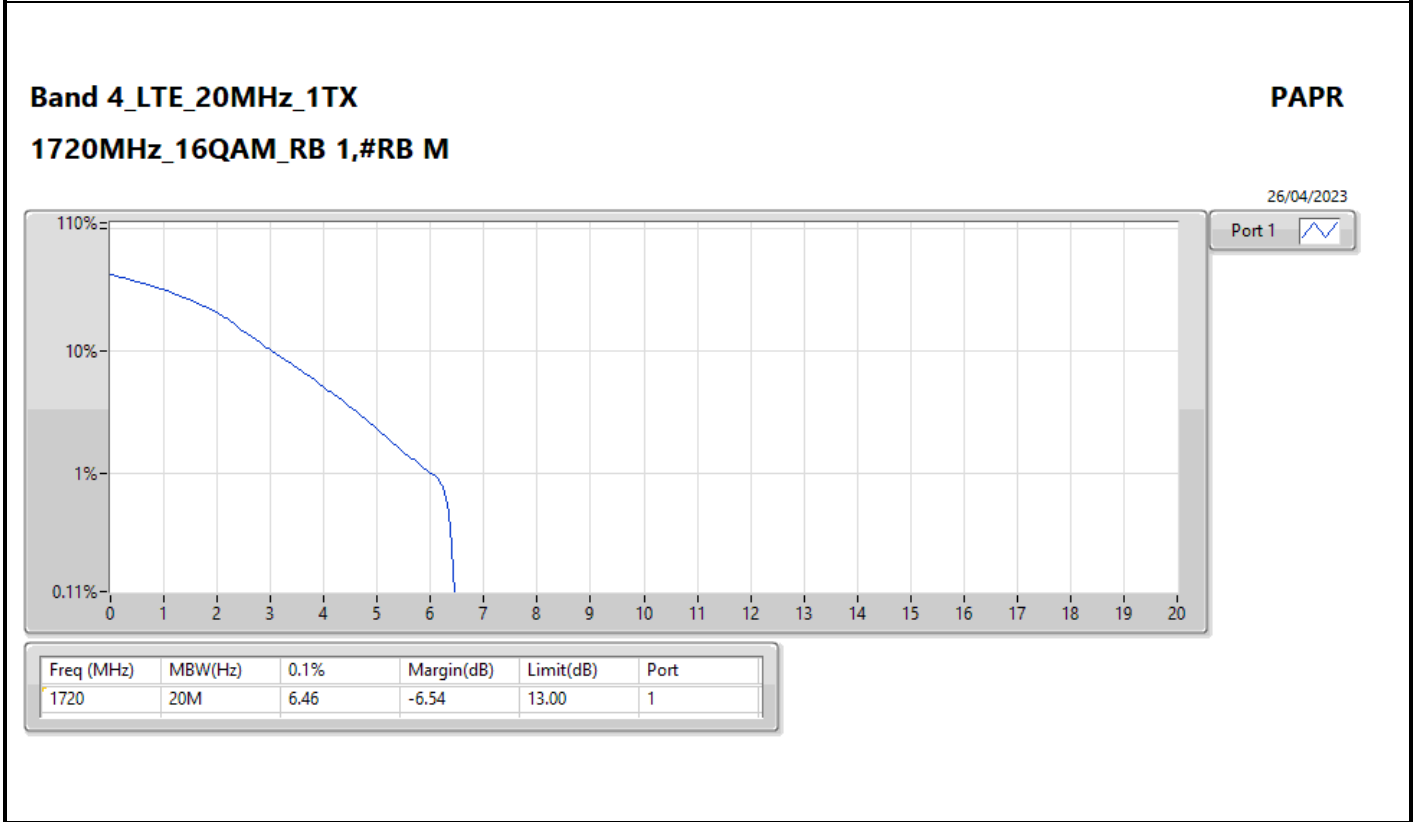
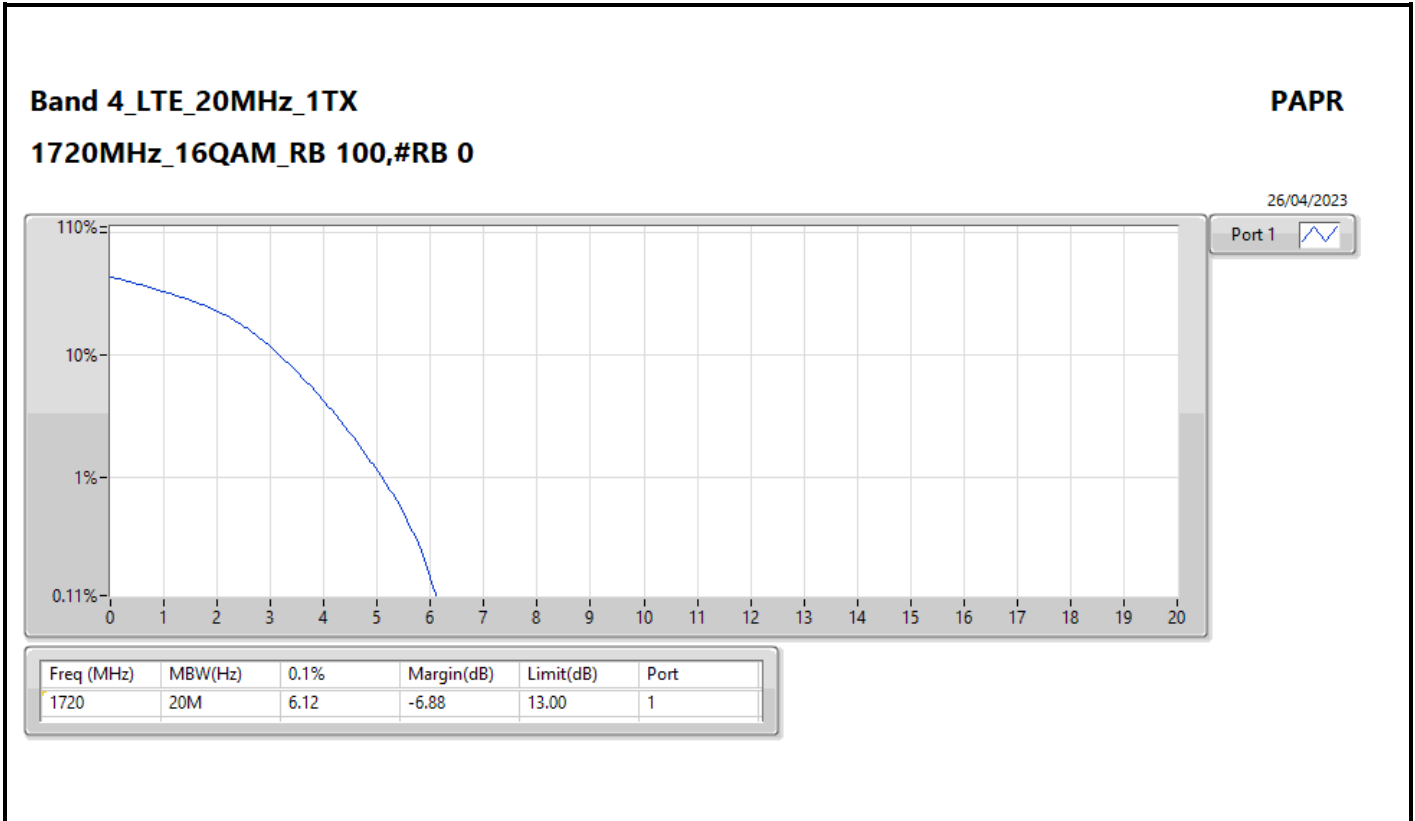
Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 4_LTE_20MHz_QPSK_1TX	-	-	-	-	-
1720MHz_RB 100,#RB 0	Pass	1720	13.00	4.32	1
1720MHz_RB 1,#RB M	Pass	1720	13.00	5.71	1
1732.5MHz_RB 100,#RB 0	Pass	1732.5	13.00	4.12	1
1732.5MHz_RB 1,#RB M	Pass	1732.5	13.00	5.19	1
1745MHz_RB 100,#RB 0	Pass	1745	13.00	4.26	1
1745MHz_RB 1,#RB M	Pass	1745	13.00	5.33	1
Band 4_LTE_20MHz_16QAM_1TX	-	-	-	-	-
1720MHz_RB 100,#RB 0	Pass	1720	13.00	6.12	1
1720MHz_RB 1,#RB M	Pass	1720	13.00	6.46	1
1732.5MHz_RB 100,#RB 0	Pass	1732.5	13.00	5.91	1
1732.5MHz_RB 1,#RB M	Pass	1732.5	13.00	6.03	1
1745MHz_RB 100,#RB 0	Pass	1745	13.00	5.94	1
1745MHz_RB 1,#RB M	Pass	1745	13.00	6.14	1
Band 4_LTE_20MHz_64QAM_1TX	-	-	-	-	-
1720MHz_RB 100,#RB 0	Pass	1720	13.00	6.09	1
1720MHz_RB 1,#RB M	Pass	1720	13.00	6.06	1
1732.5MHz_RB 100,#RB 0	Pass	1732.5	13.00	5.88	1
1732.5MHz_RB 1,#RB M	Pass	1732.5	13.00	5.71	1
1745MHz_RB 100,#RB 0	Pass	1745	13.00	5.91	1
1745MHz_RB 1,#RB M	Pass	1745	13.00	5.91	1

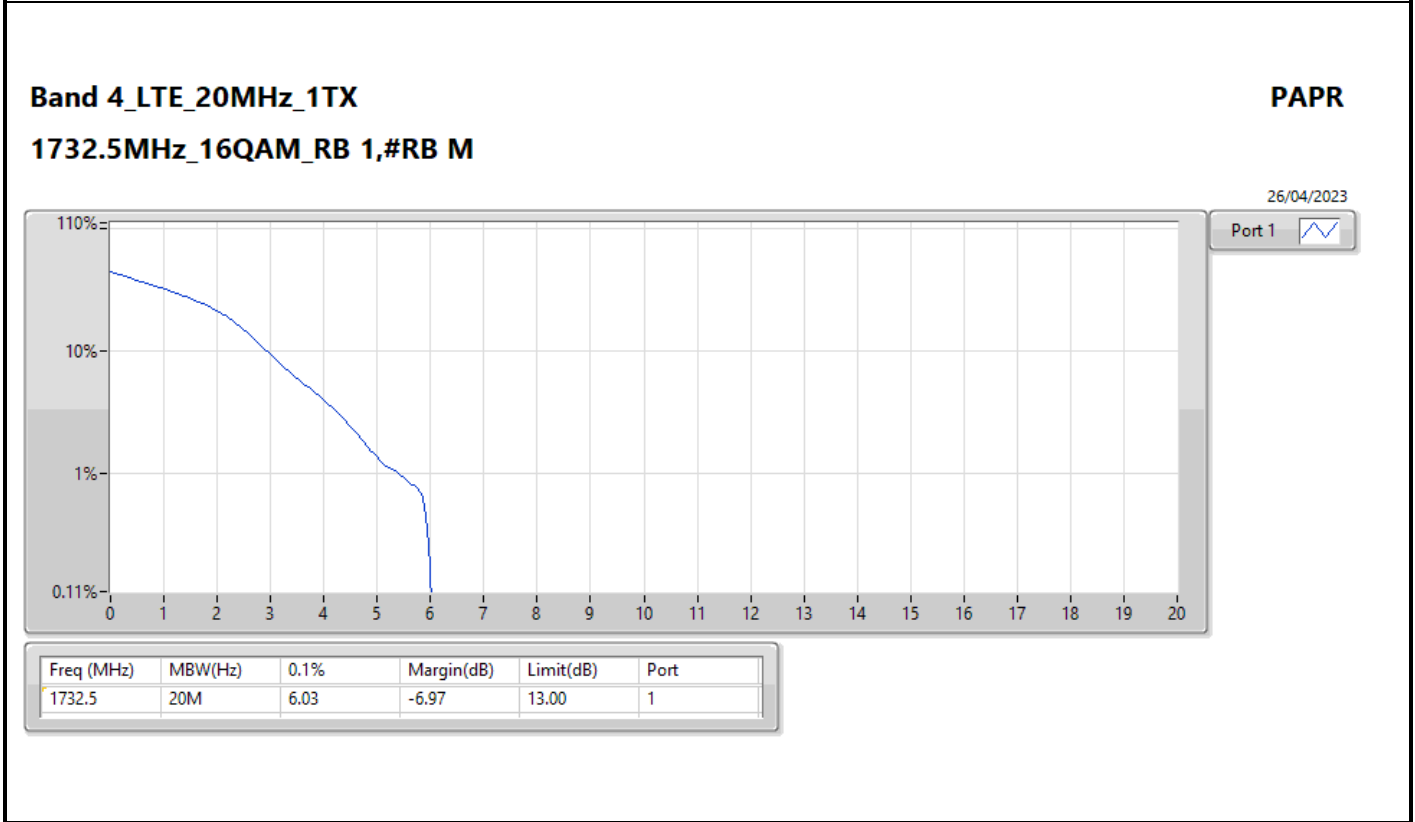
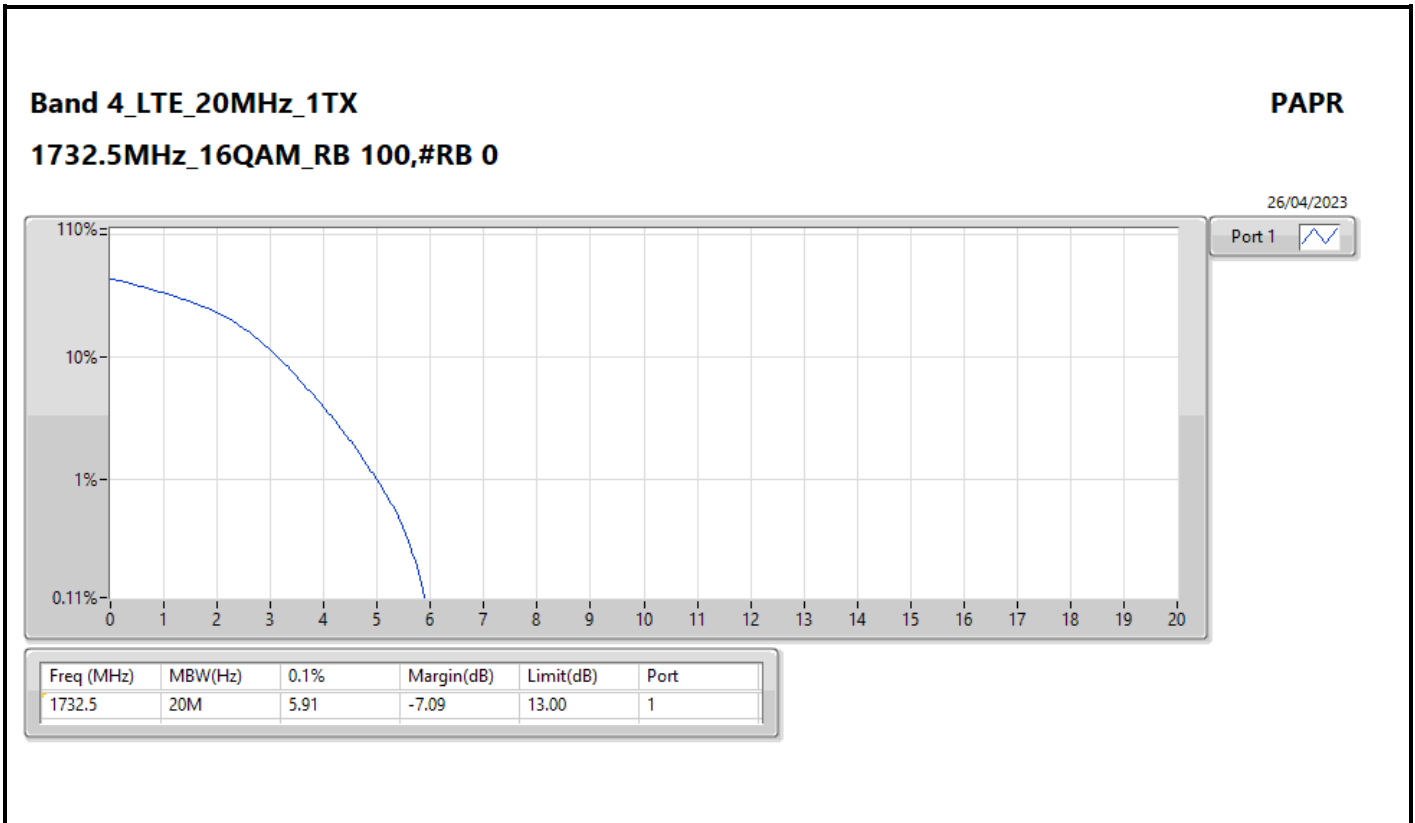


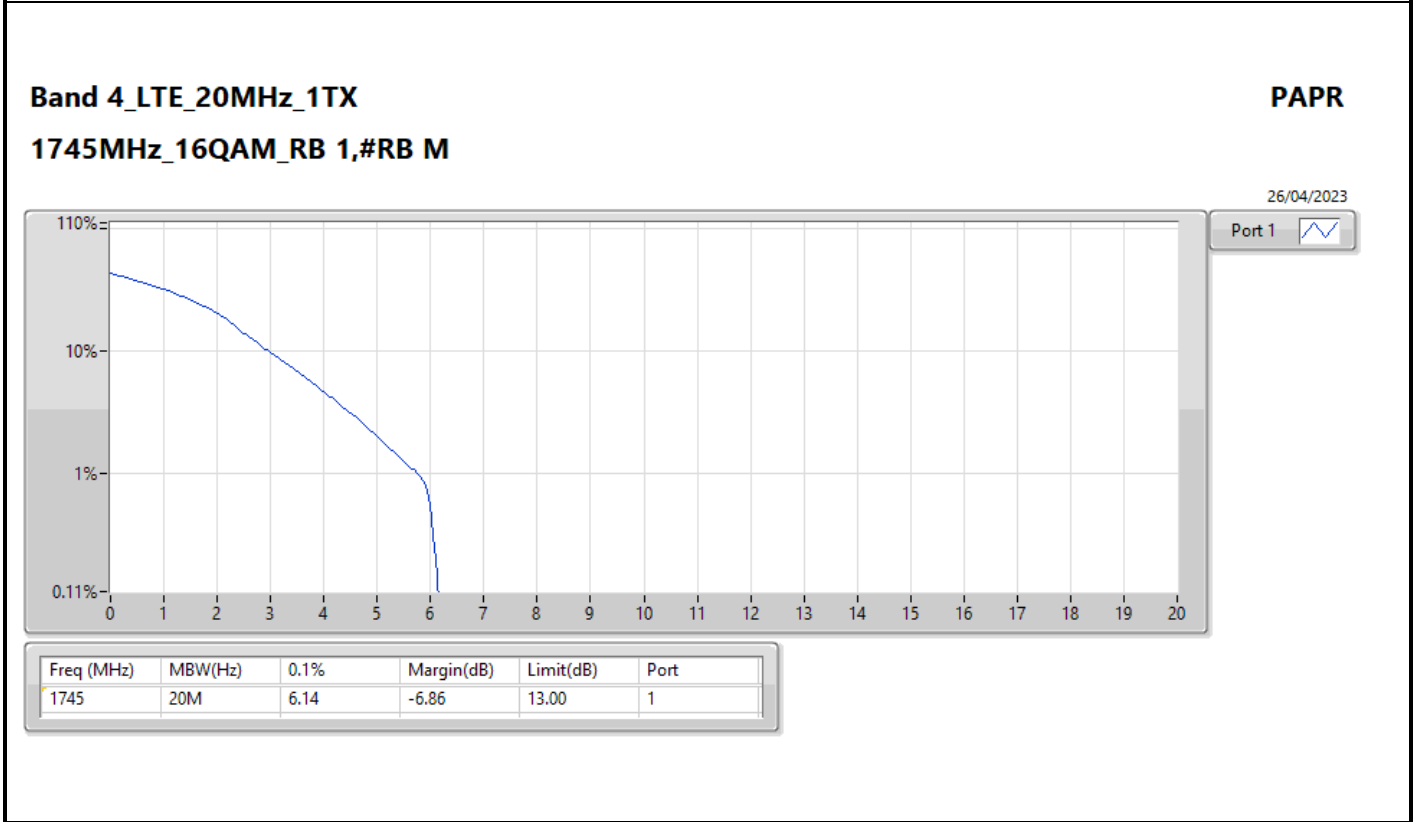
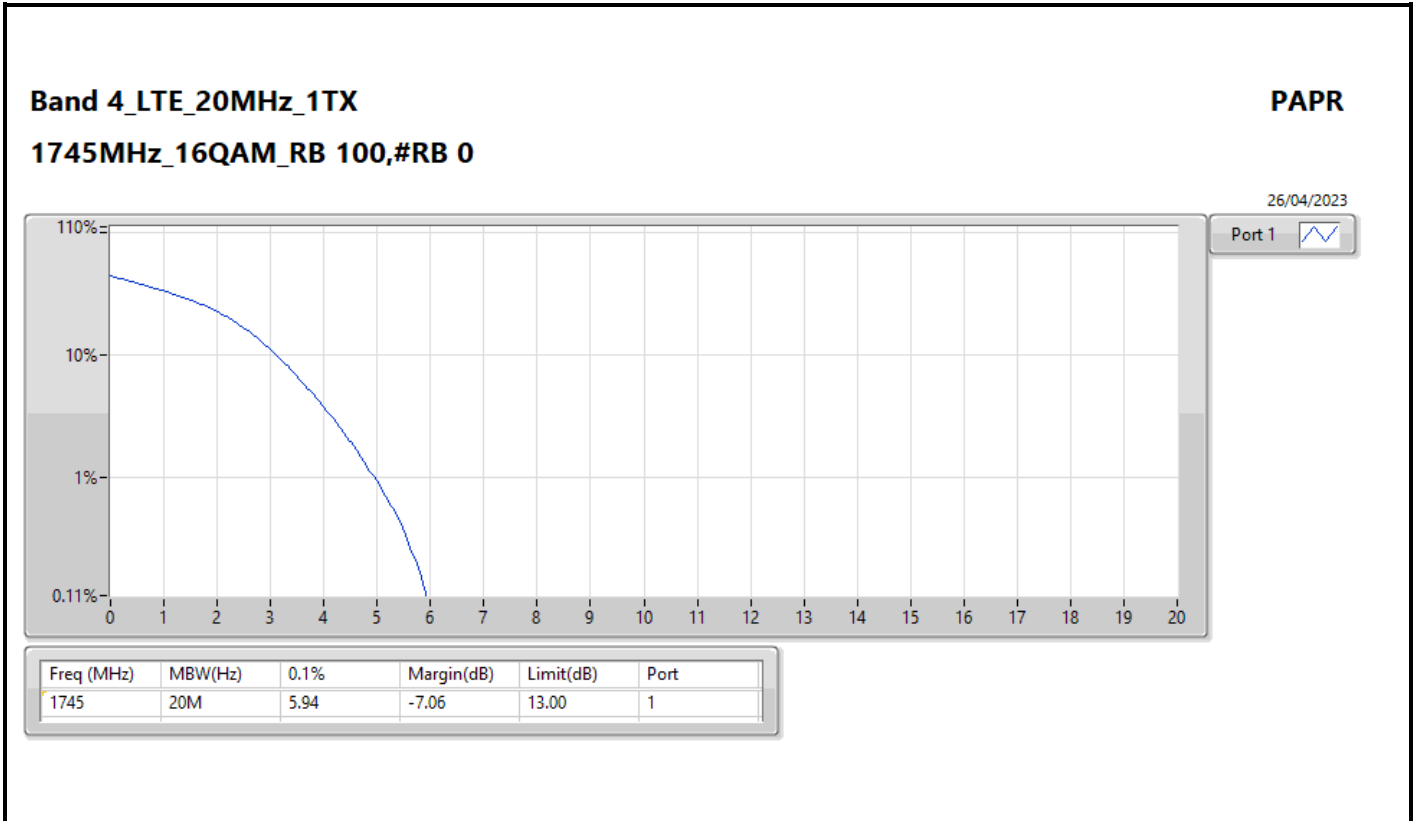


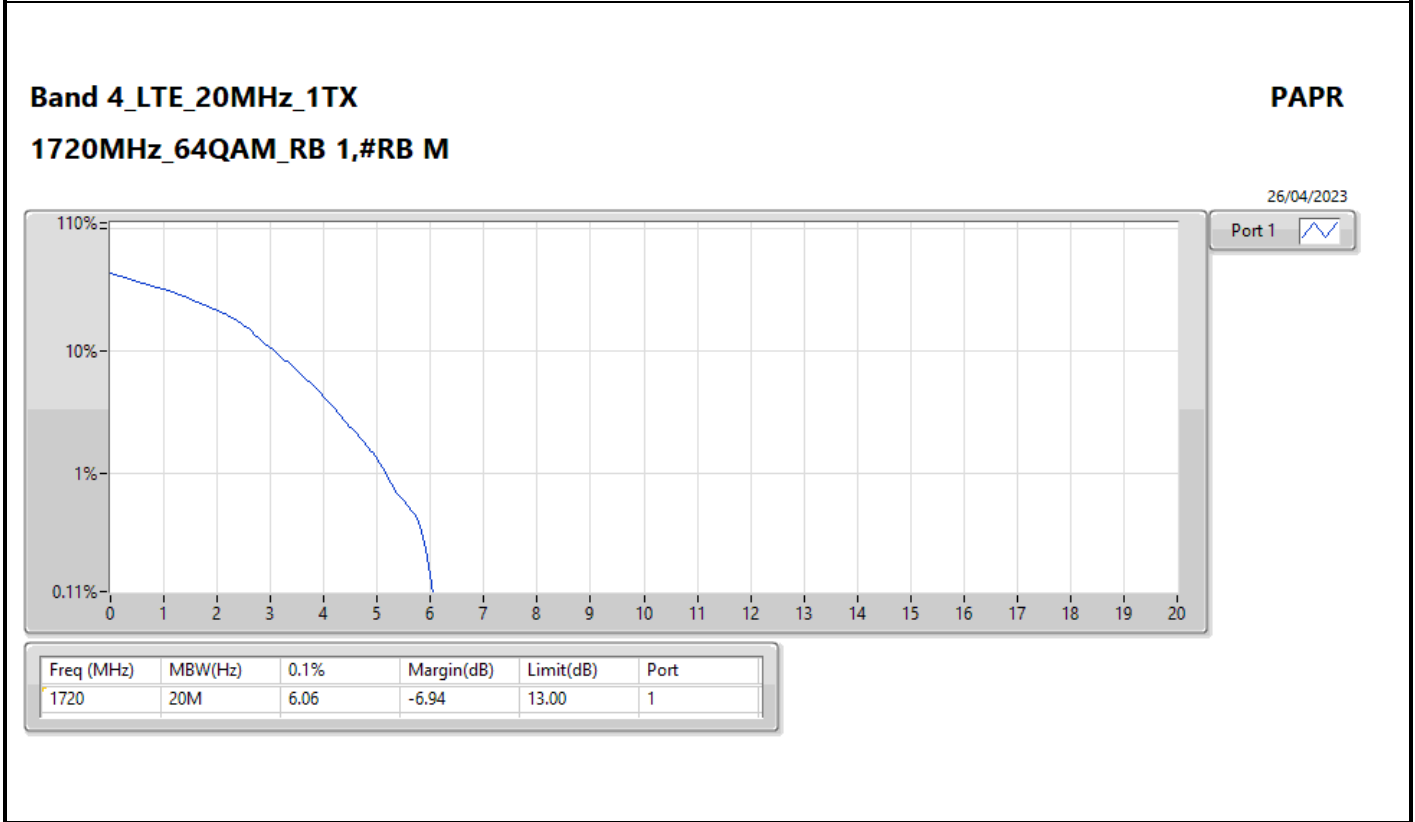
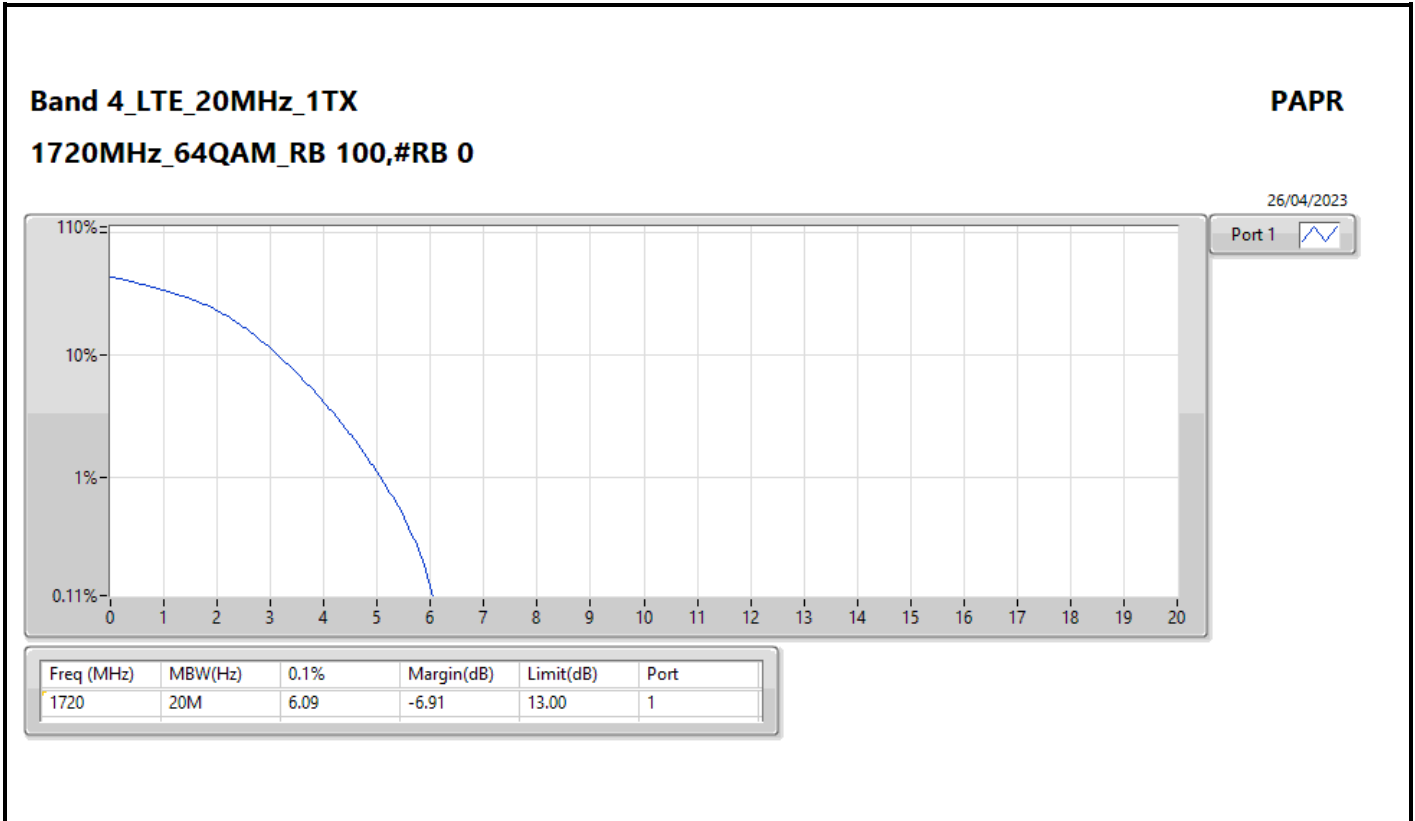


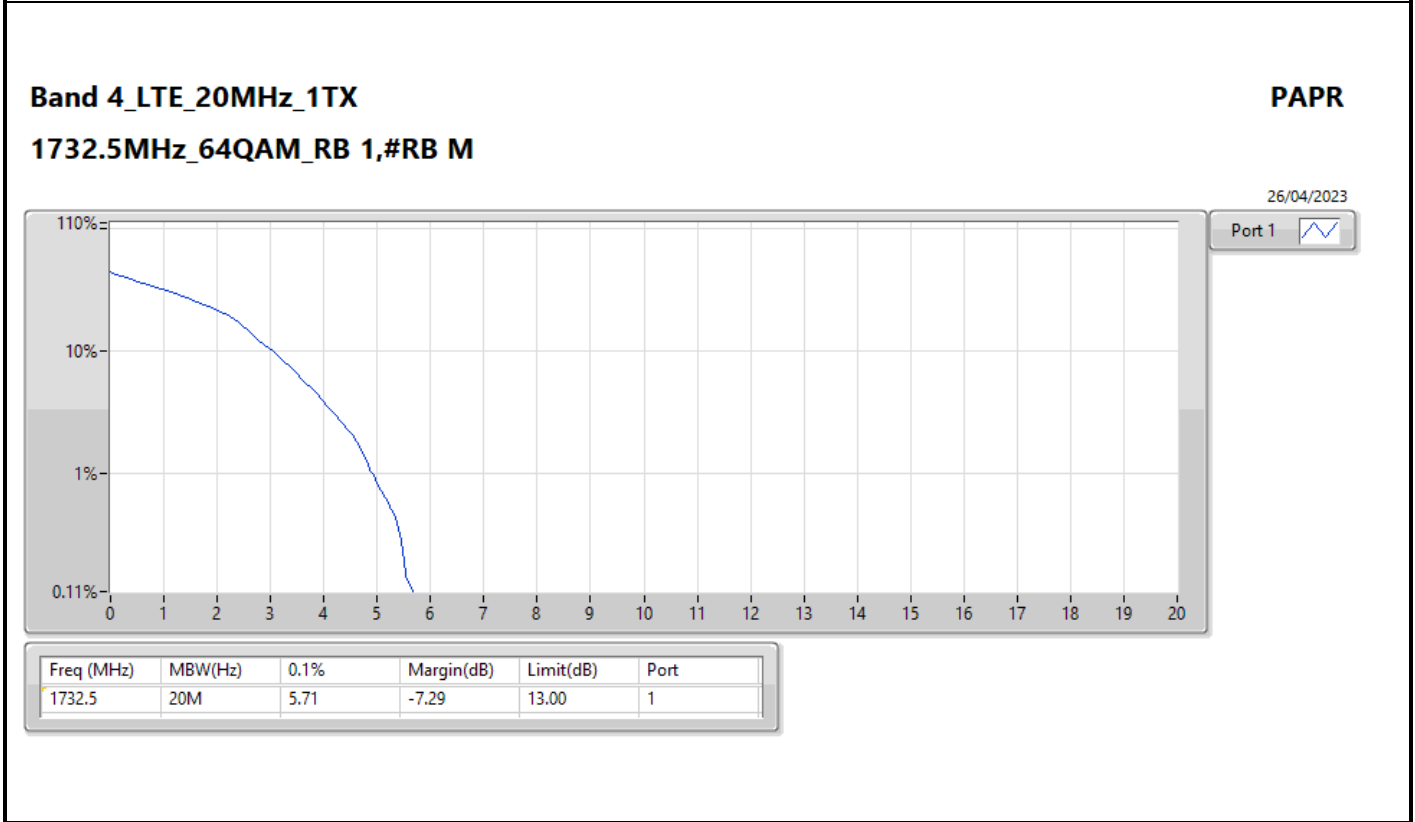
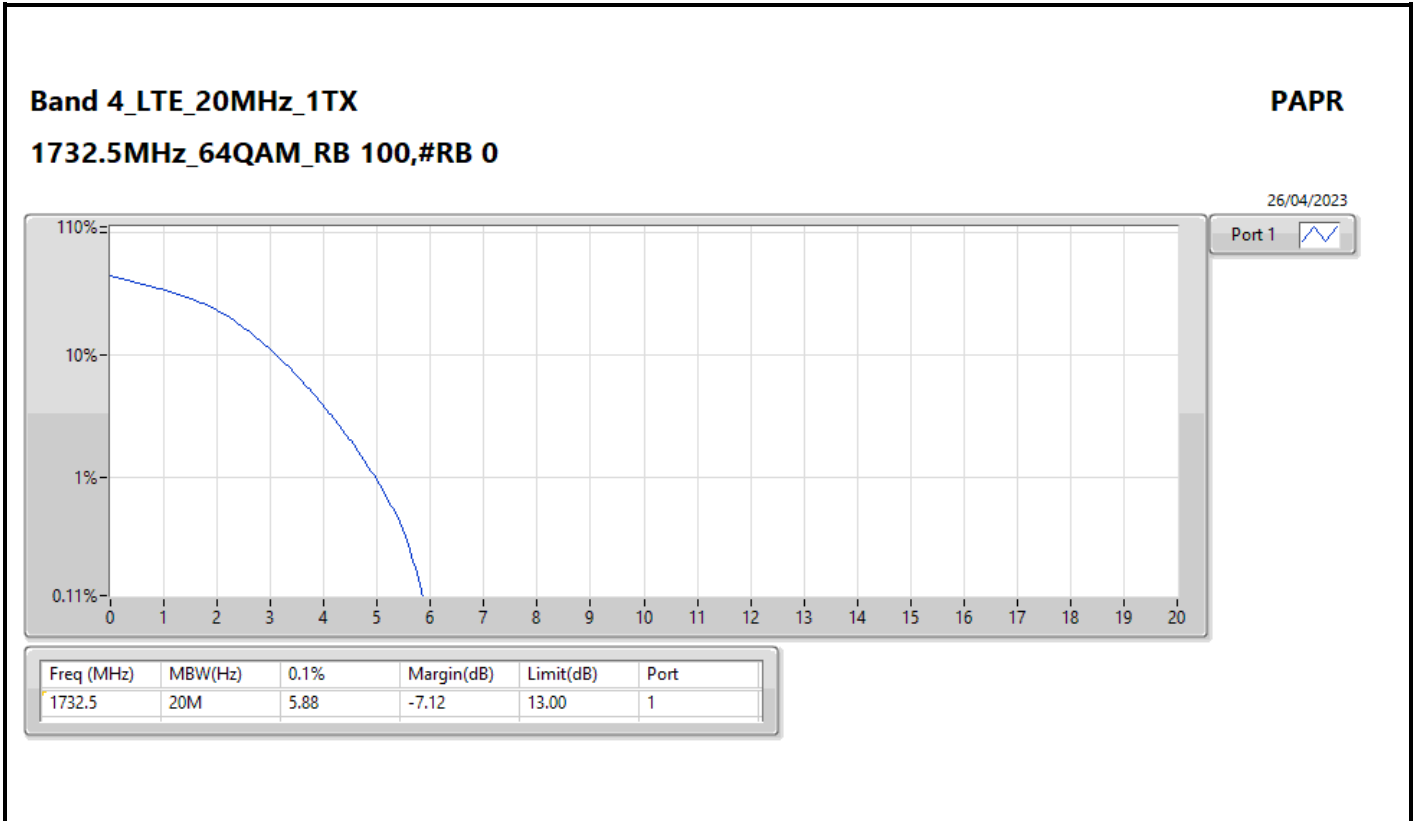


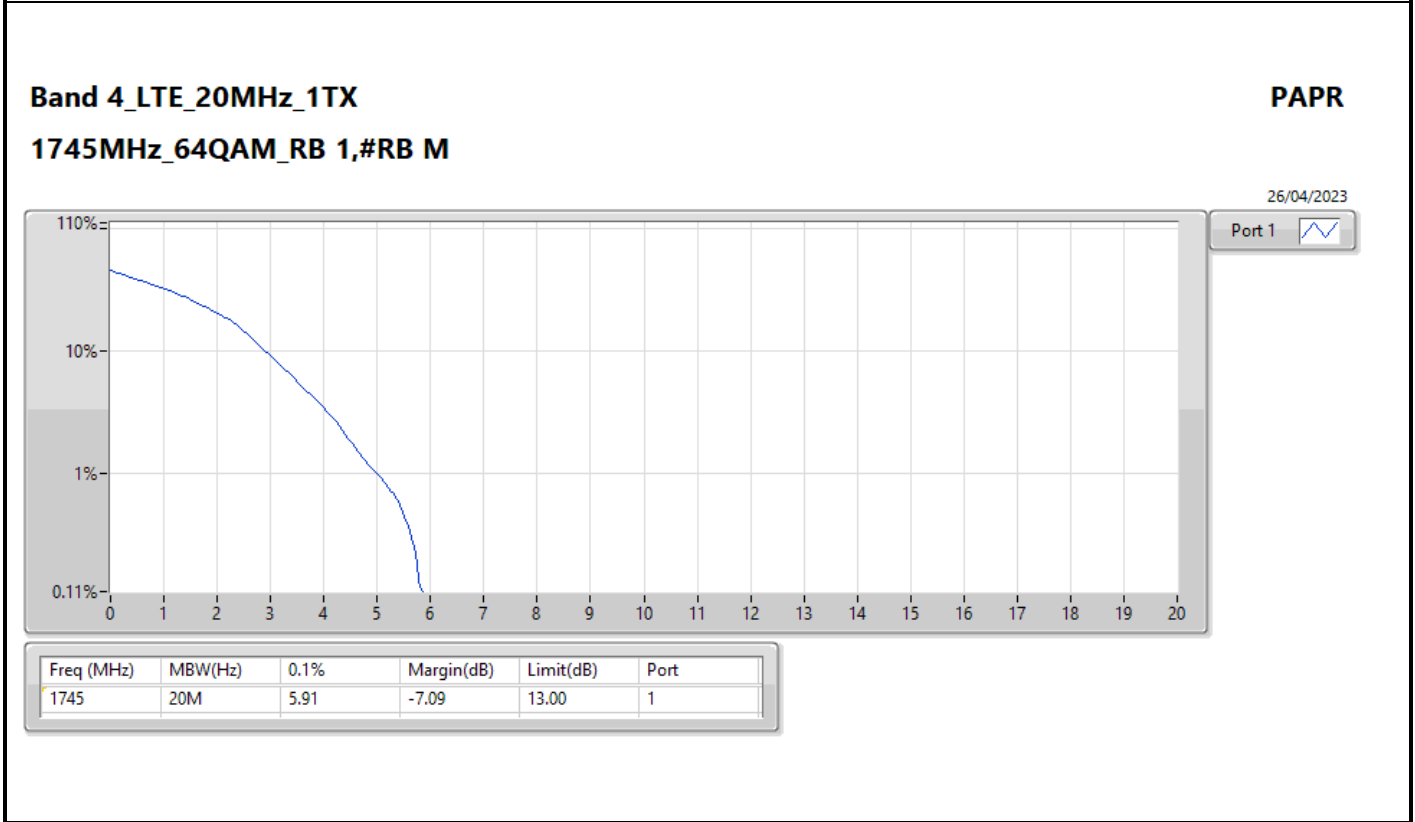
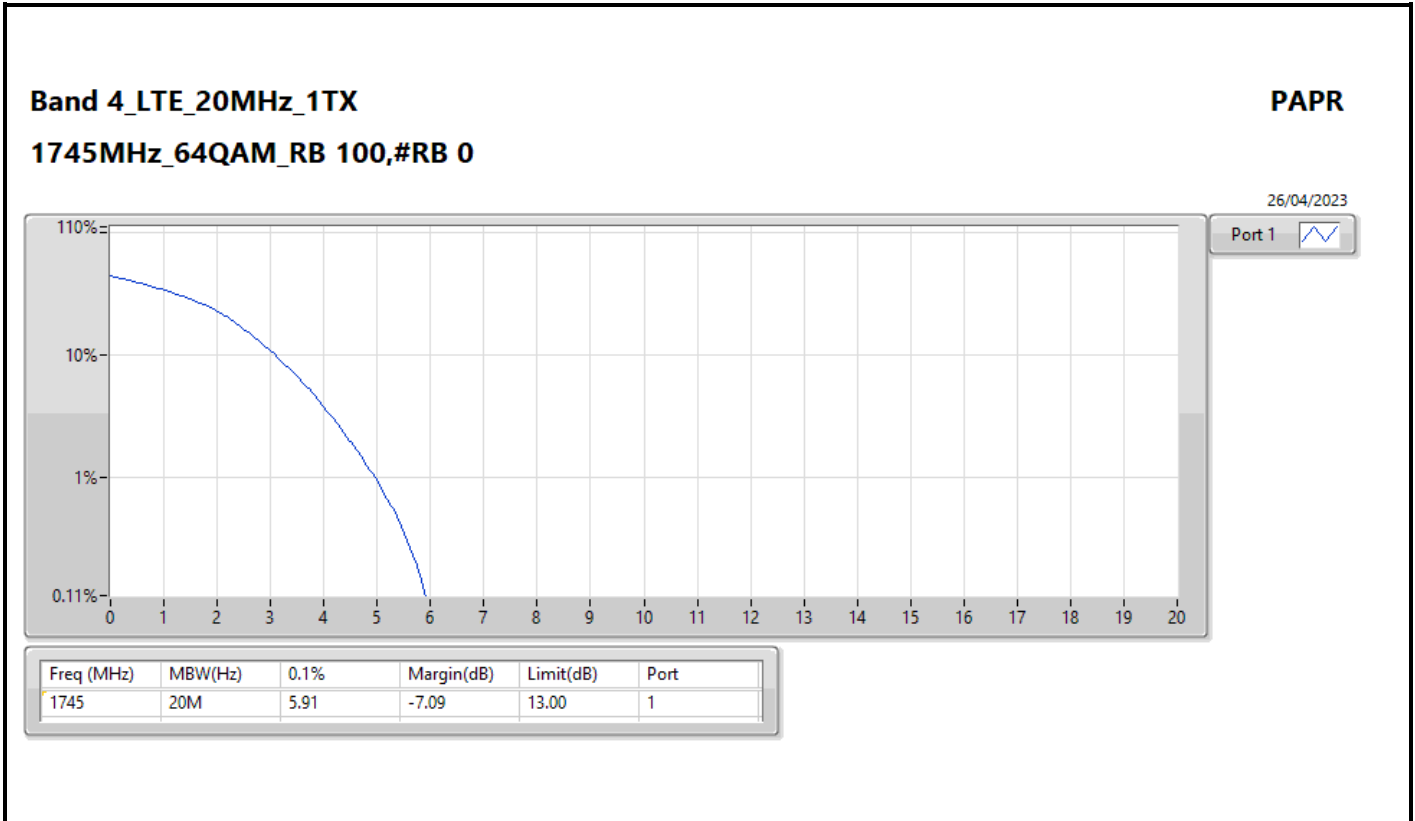
















**Peak to Average Power Ratio (PAPR)  
(Mode 6: LTE Band 5)**

**Appendix B.6**

**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 5	-	-	-	-	-
LTE_10MHz_QPSK_1TX	Pass	829	13.00	5.57	1
LTE_10MHz_16QAM1TX	Pass	829	13.00	6.43	1
LTE_10MHz_64QAM_1TX	Pass	829	13.00	6.46	1

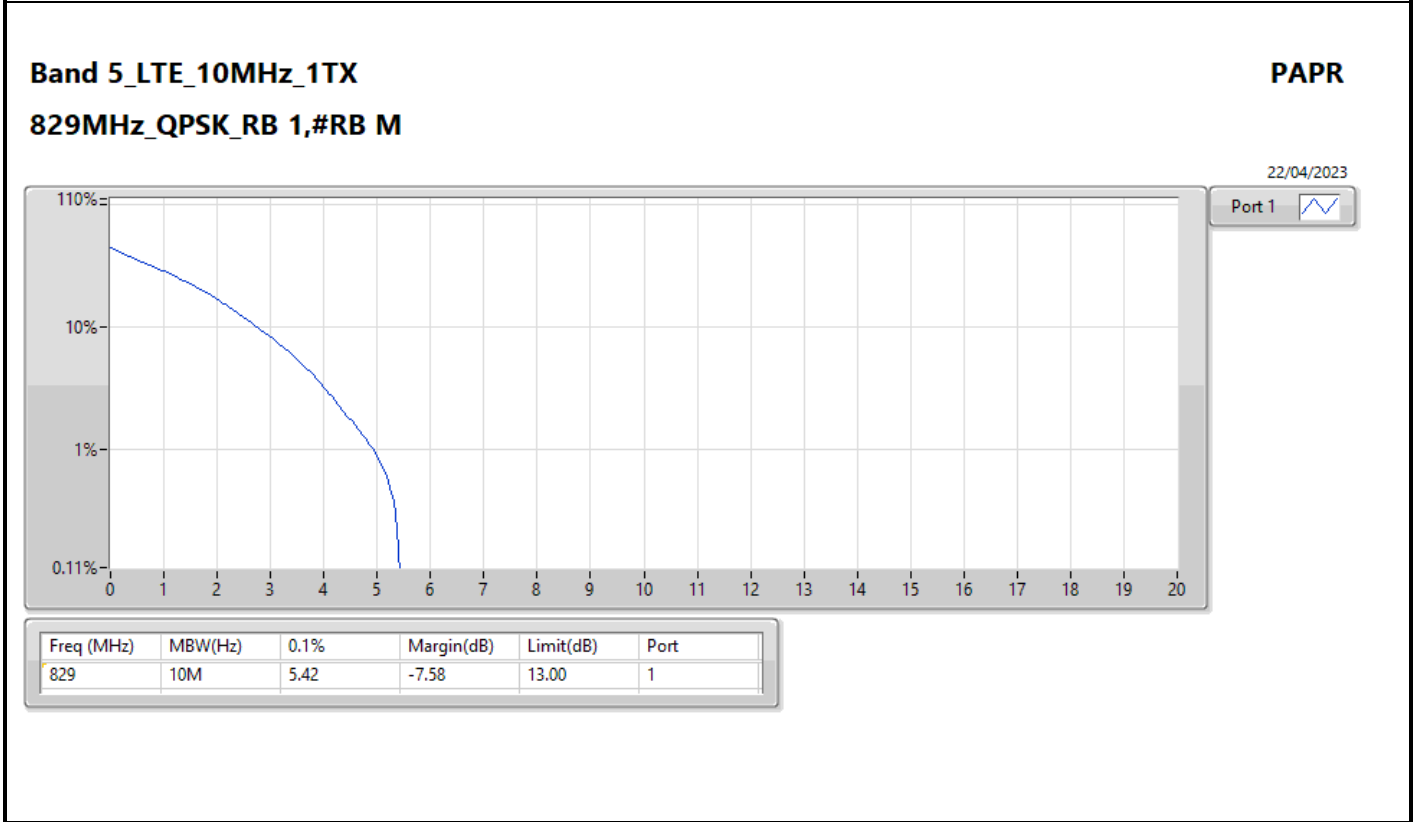
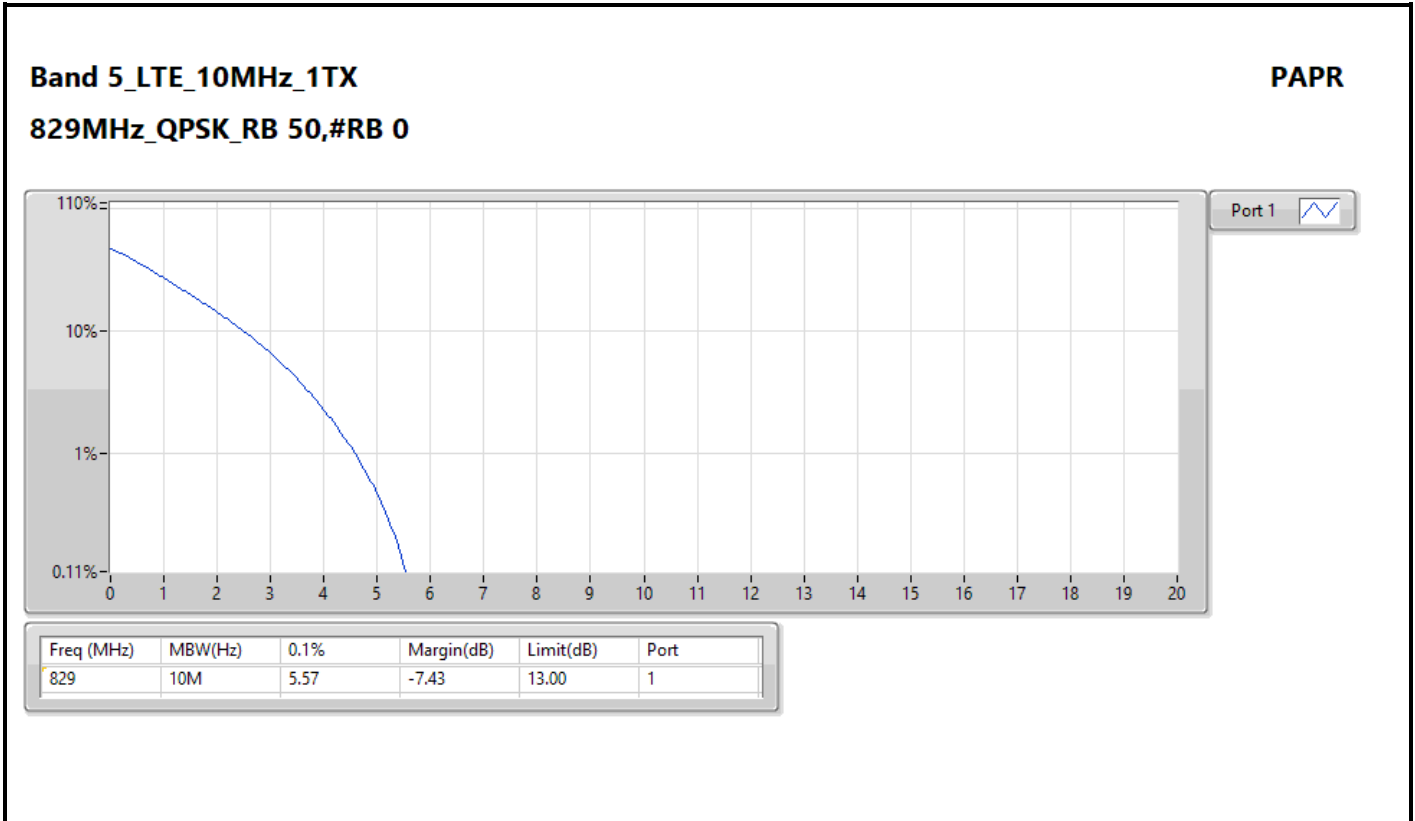


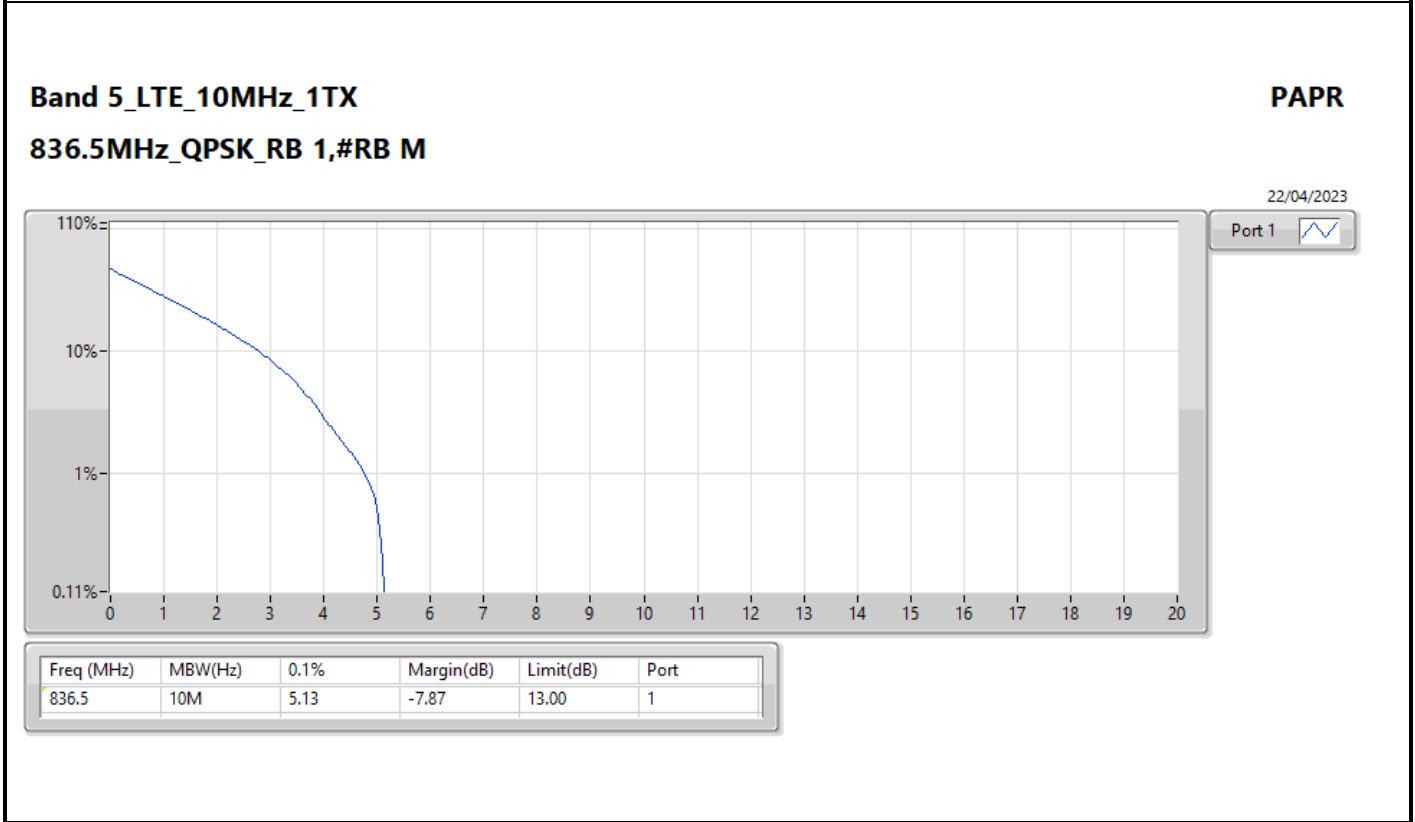
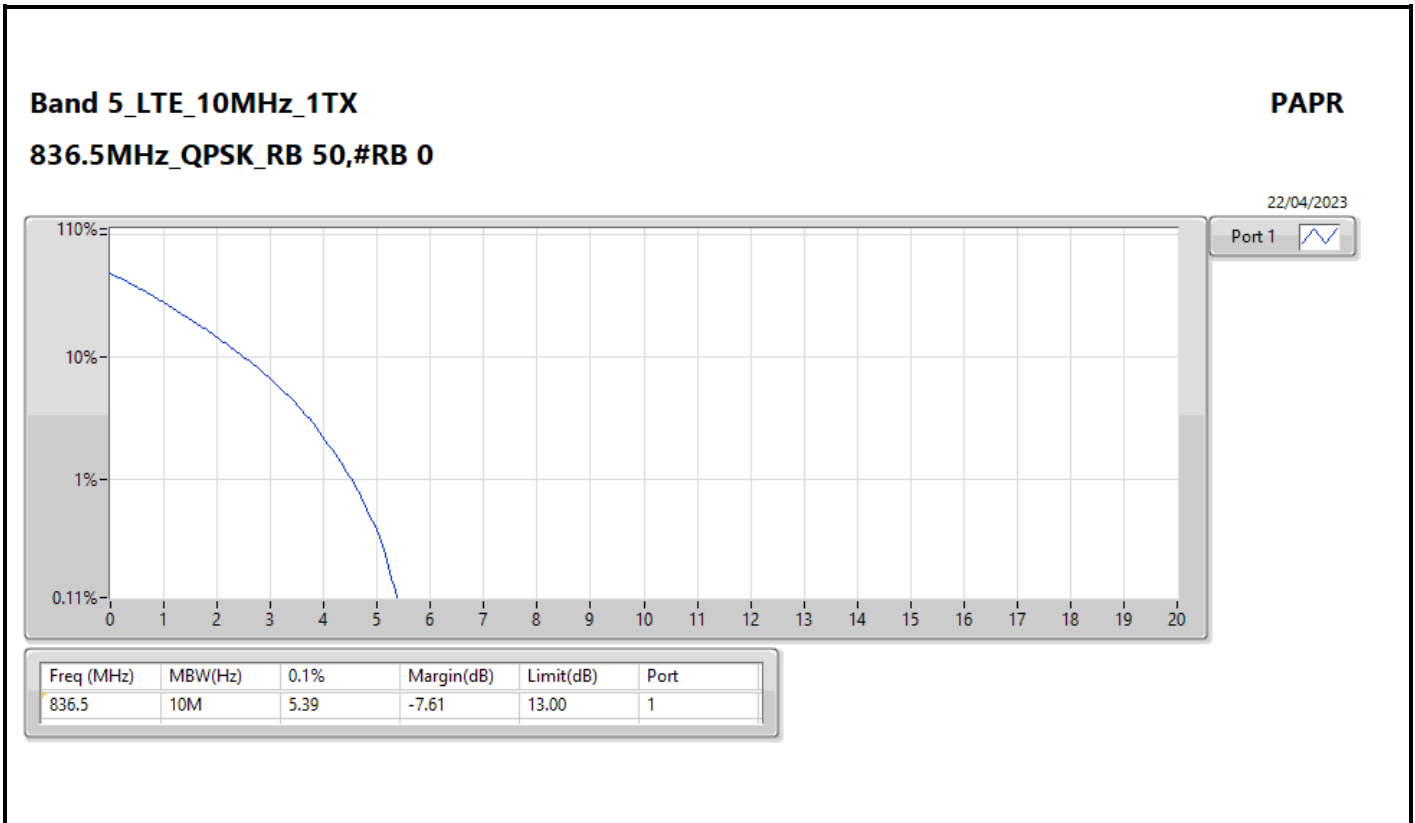
**Peak to Average Power Ratio (PAPR)  
(Mode 6: LTE Band 5)**

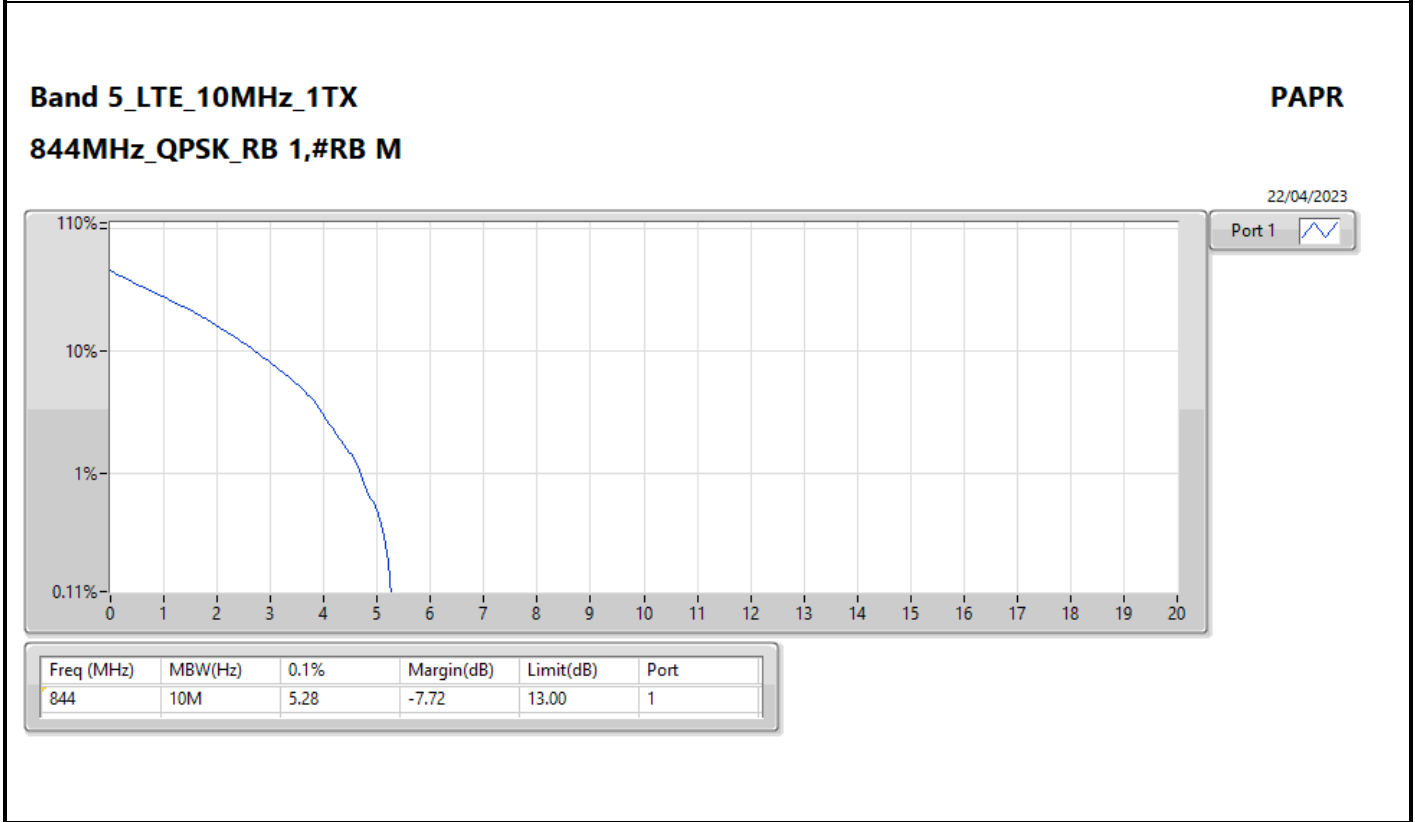
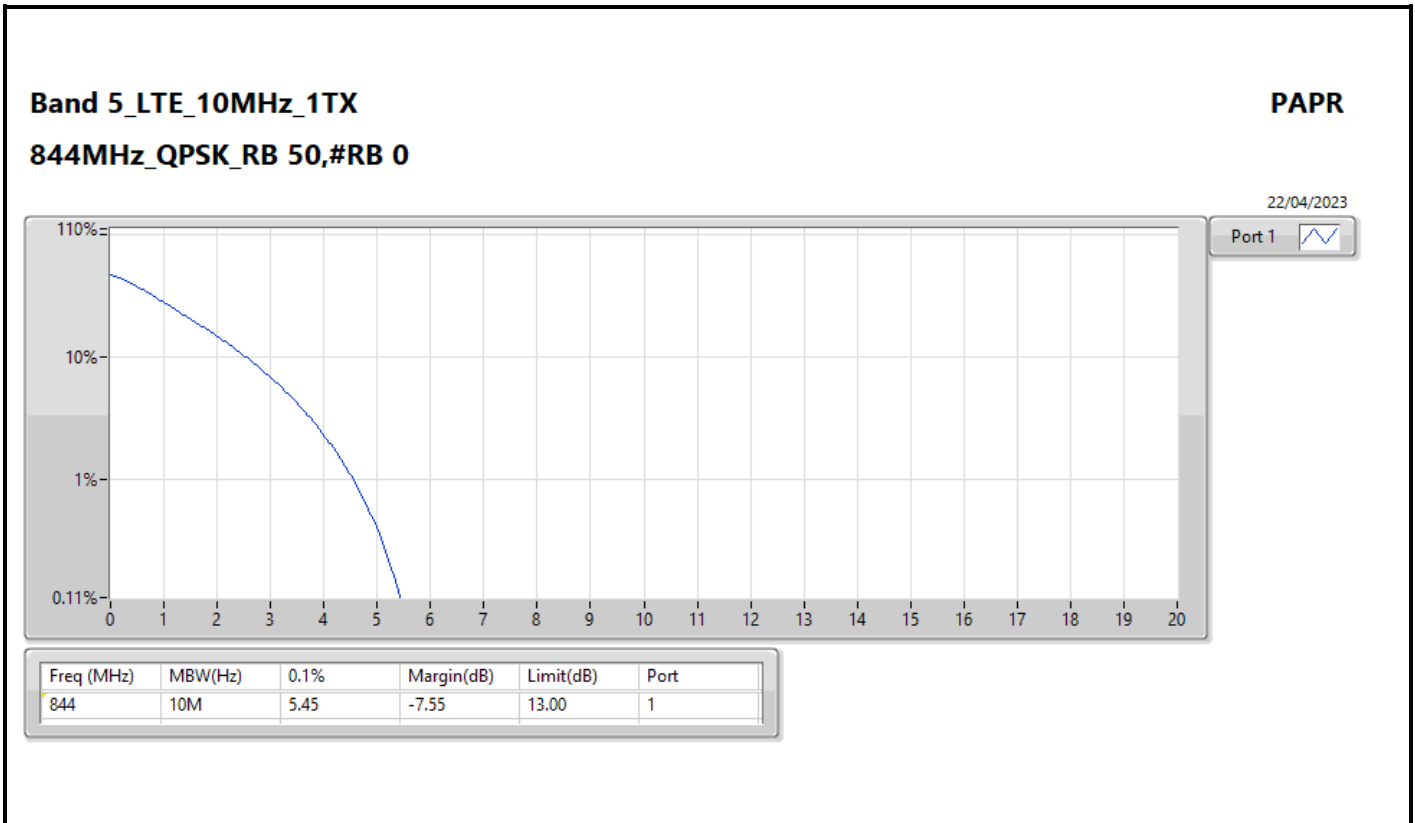
**Appendix B.6**

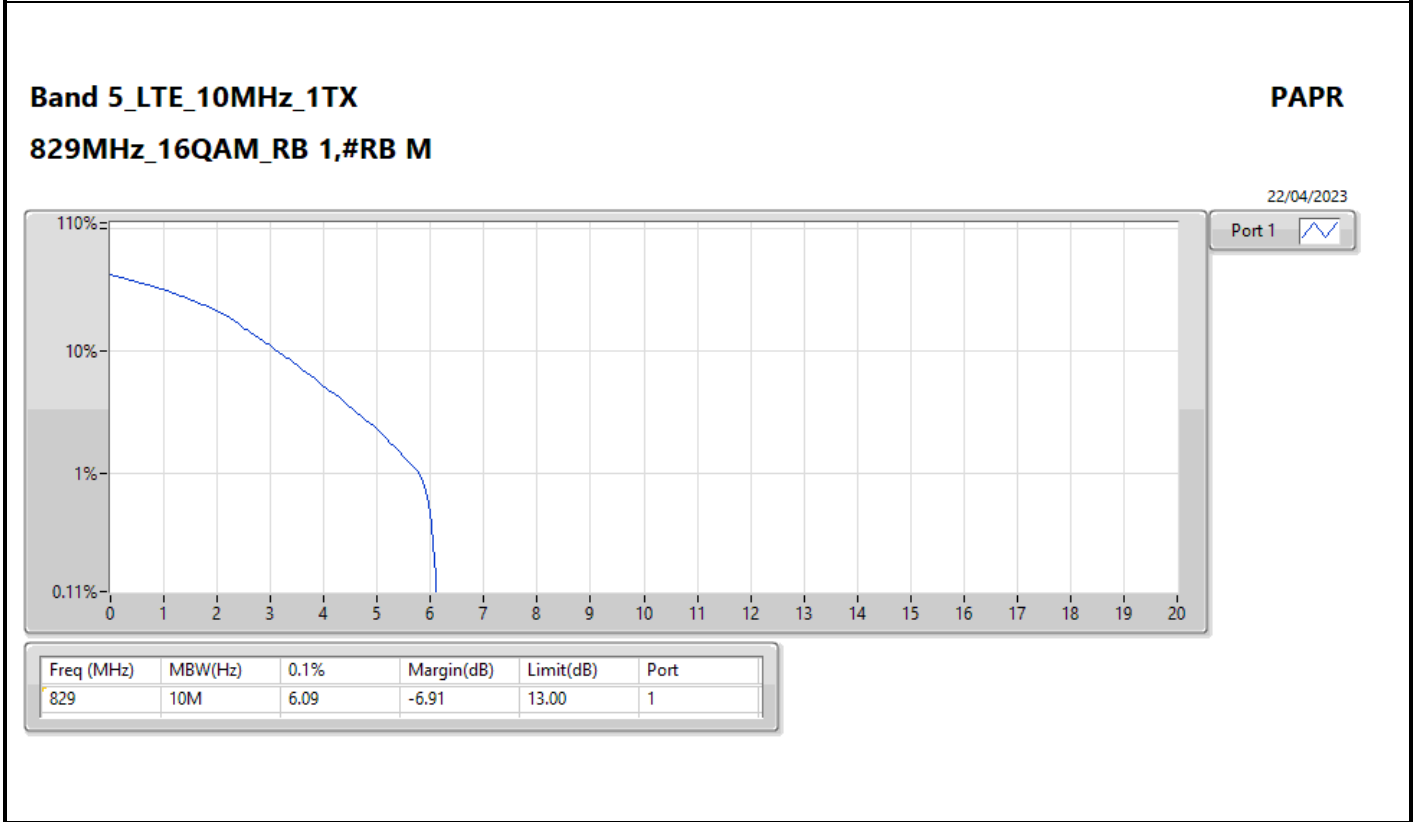
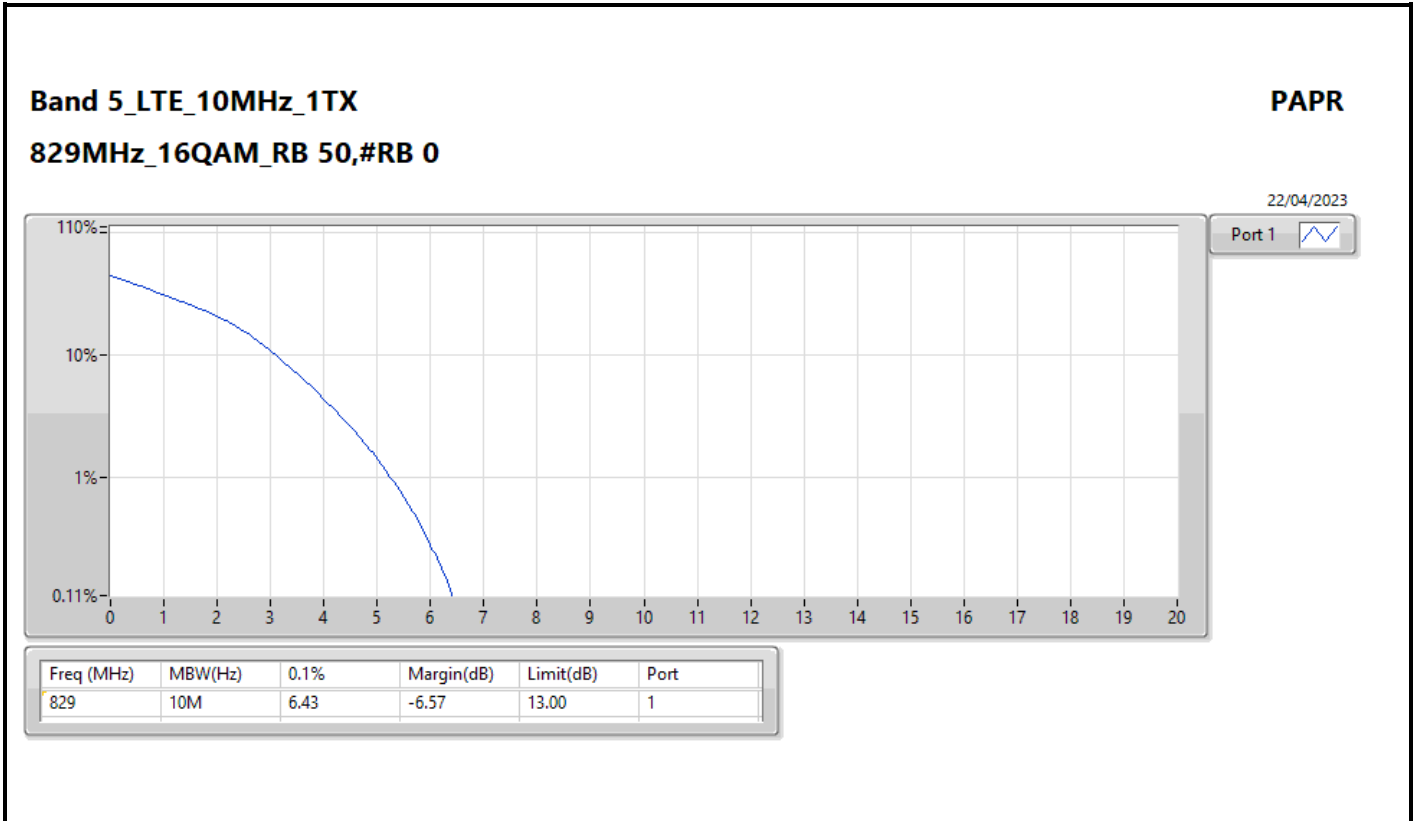
**Result**

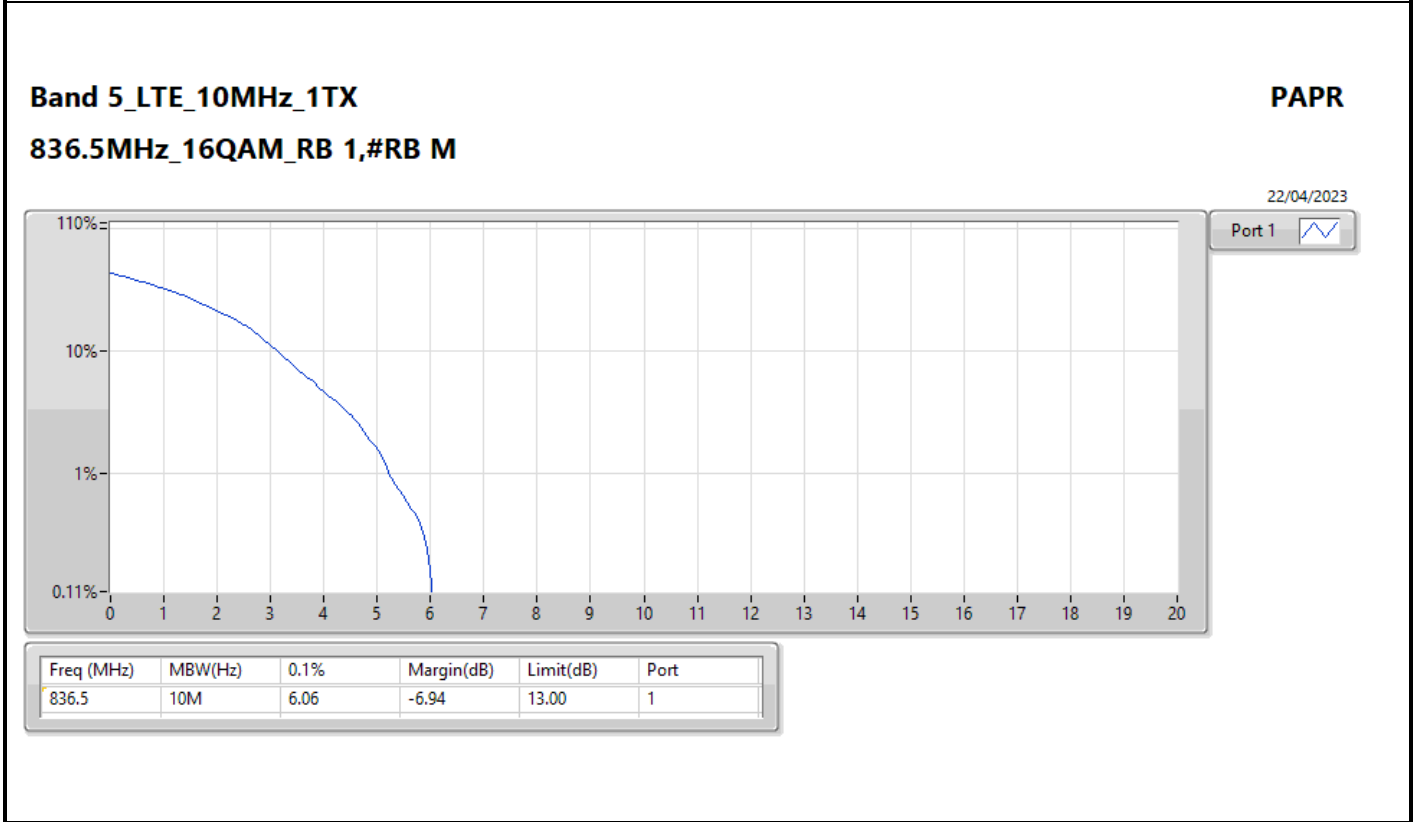
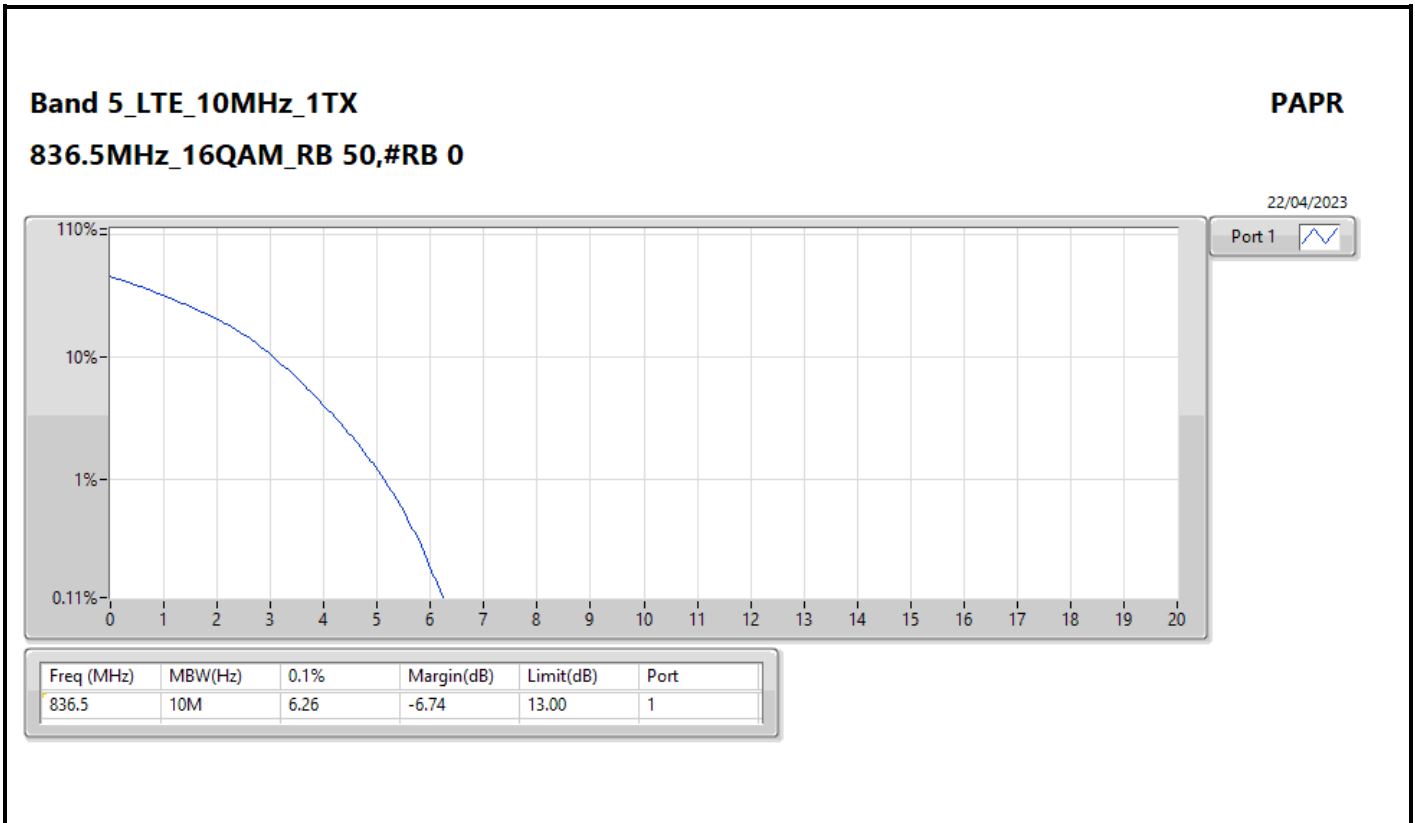
Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 5_LTE_10MHz_QPSK_1TX	-	-	-	-	-
829MHz_RB 50,#RB 0	Pass	829	13.00	5.57	1
829MHz_RB 1,#RB M	Pass	829	13.00	5.42	1
836.5MHz_RB 50,#RB 0	Pass	836.5	13.00	5.39	1
836.5MHz_RB 1,#RB M	Pass	836.5	13.00	5.13	1
844MHz_RB 50,#RB 0	Pass	844	13.00	5.45	1
844MHz_RB 1,#RB M	Pass	844	13.00	5.28	1
Band 5_LTE_10MHz_16QAM_1TX	-	-	-	-	-
829MHz_RB 50,#RB 0	Pass	829	13.00	6.43	1
829MHz_RB 1,#RB M	Pass	829	13.00	6.09	1
836.5MHz_RB 50,#RB 0	Pass	836.5	13.00	6.26	1
836.5MHz_RB 1,#RB M	Pass	836.5	13.00	6.06	1
844MHz_RB 50,#RB 0	Pass	844	13.00	6.38	1
844MHz_RB 1,#RB M	Pass	844	13.00	6.03	1
Band 5_LTE_10MHz_64QAM_1TX	-	-	-	-	-
829MHz_RB 50,#RB 0	Pass	829	13.00	6.46	1
829MHz_RB 1,#RB M	Pass	829	13.00	5.86	1
836.5MHz_RB 50,#RB 0	Pass	836.5	13.00	6.29	1
836.5MHz_RB 1,#RB M	Pass	836.5	13.00	5.68	1
844MHz_RB 50,#RB 0	Pass	844	13.00	6.41	1
844MHz_RB 1,#RB M	Pass	844	13.00	5.91	1









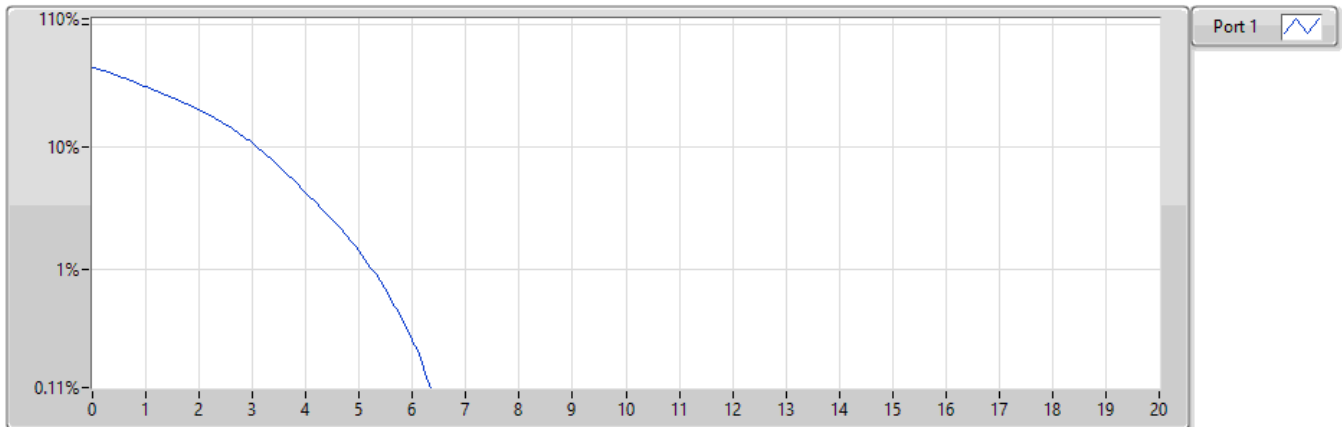


**Band 5\_LTE\_10MHz\_1TX**

**PAPR**

**844MHz\_16QAM\_RB 50,#RB 0**

22/04/2023



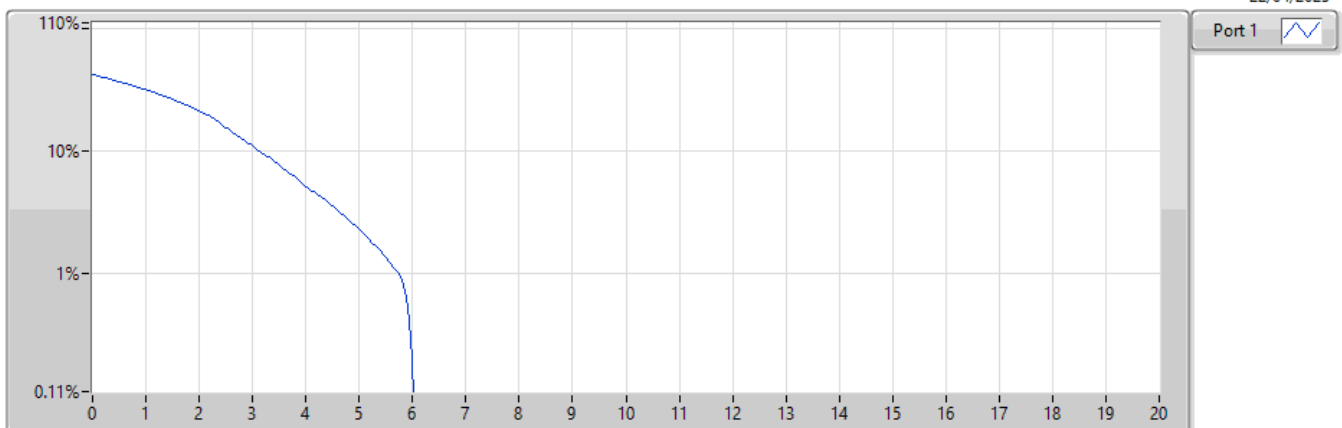
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
844	10M	6.38	-6.62	13.00	1

**Band 5\_LTE\_10MHz\_1TX**

**PAPR**

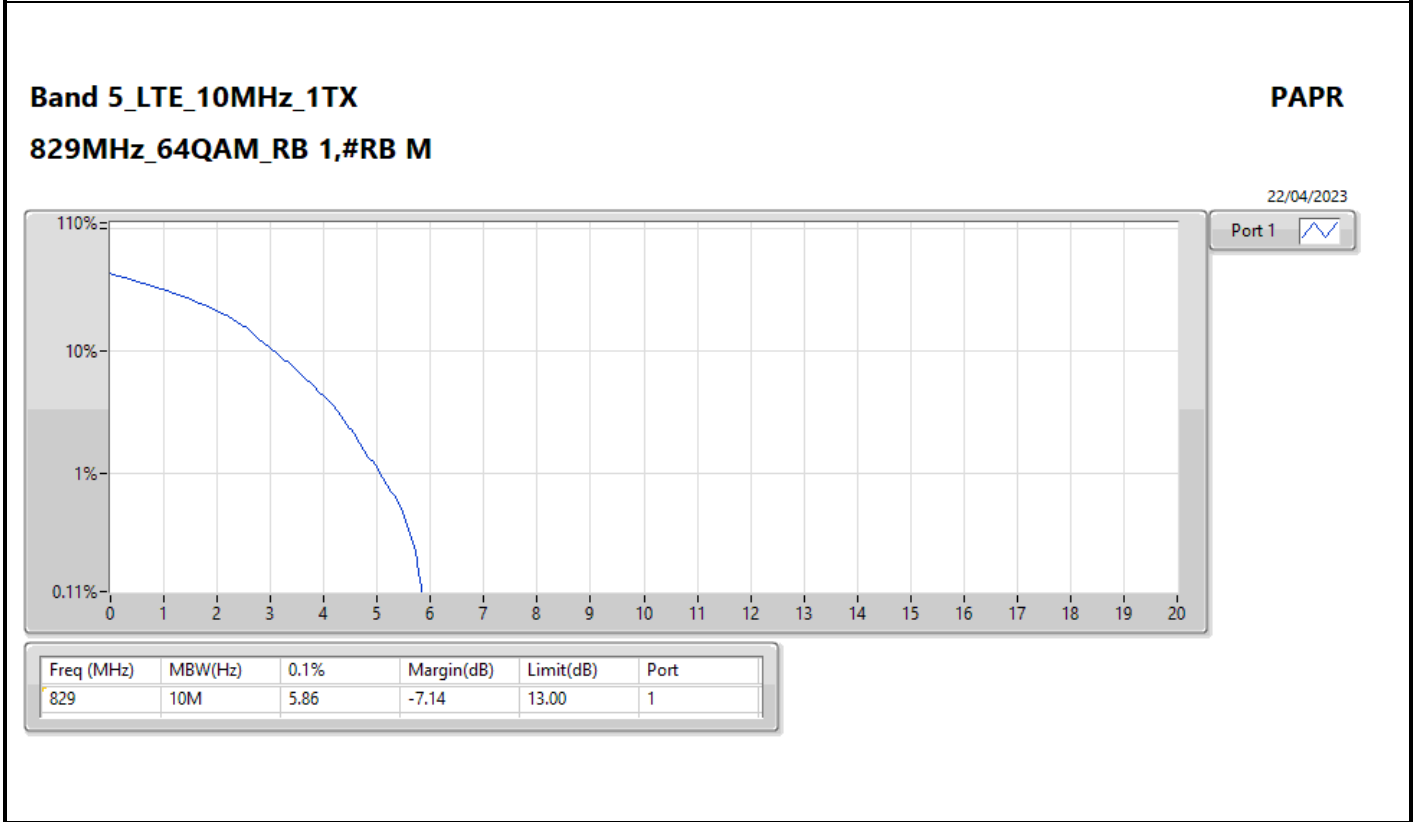
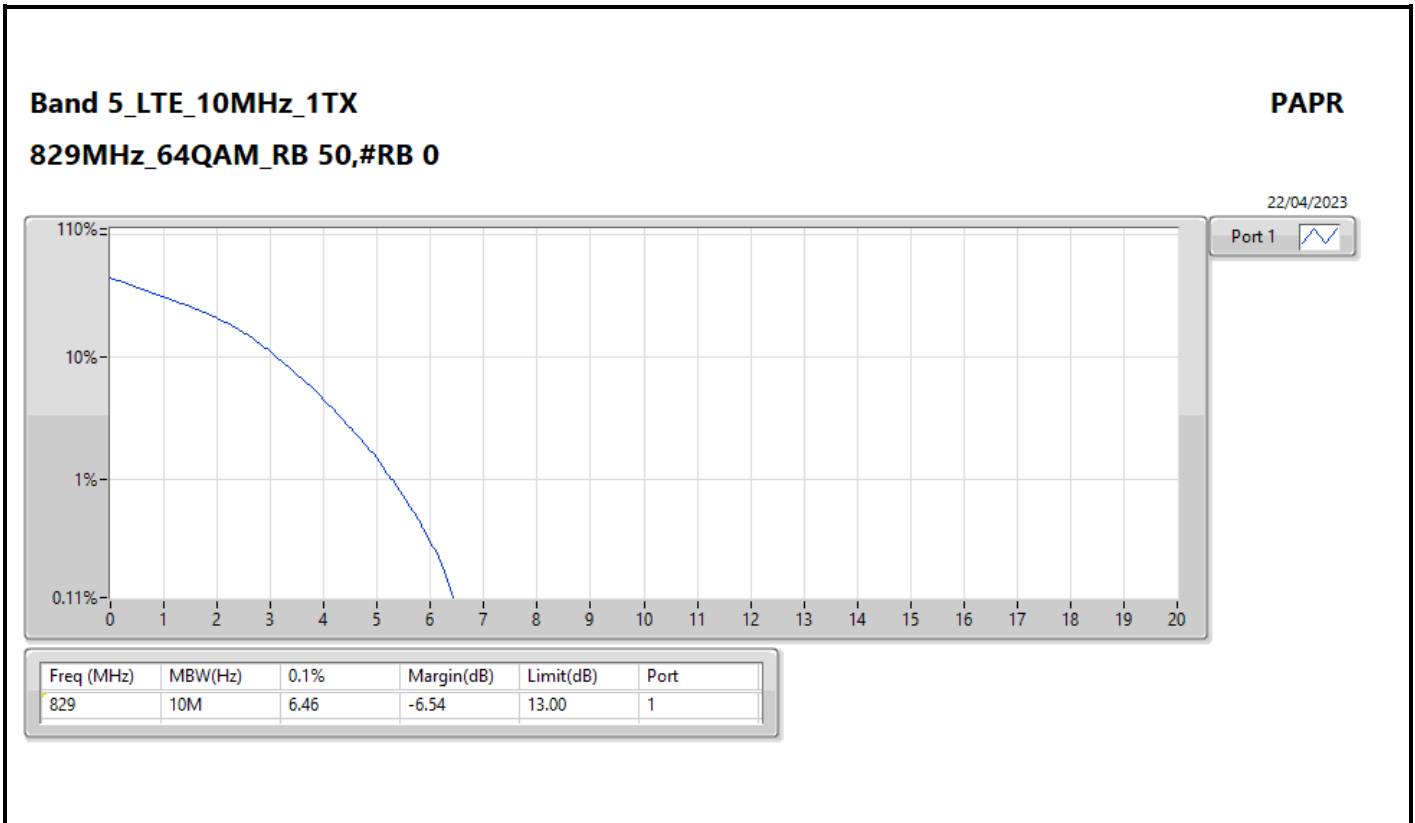
**844MHz\_16QAM\_RB 1,#RB M**

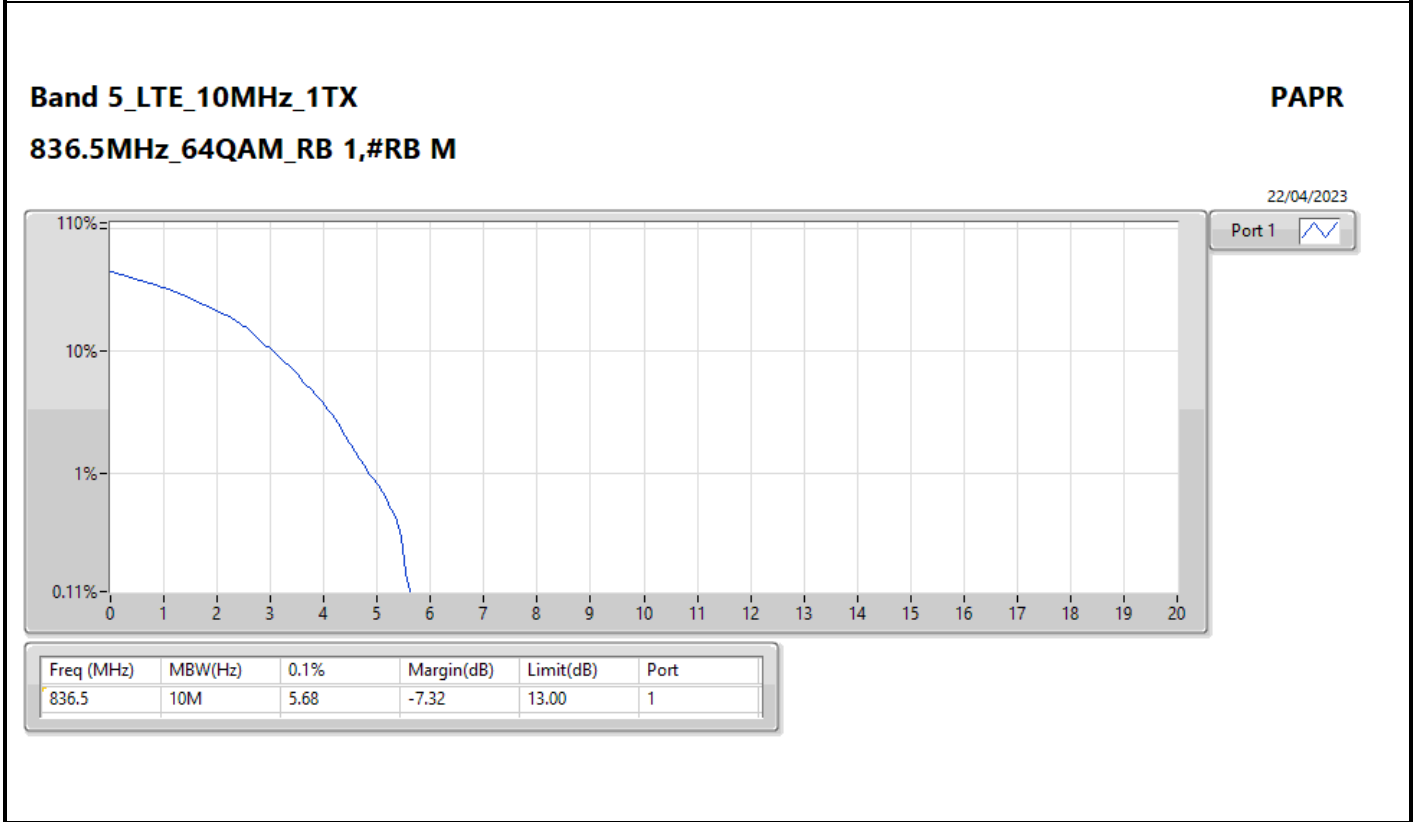
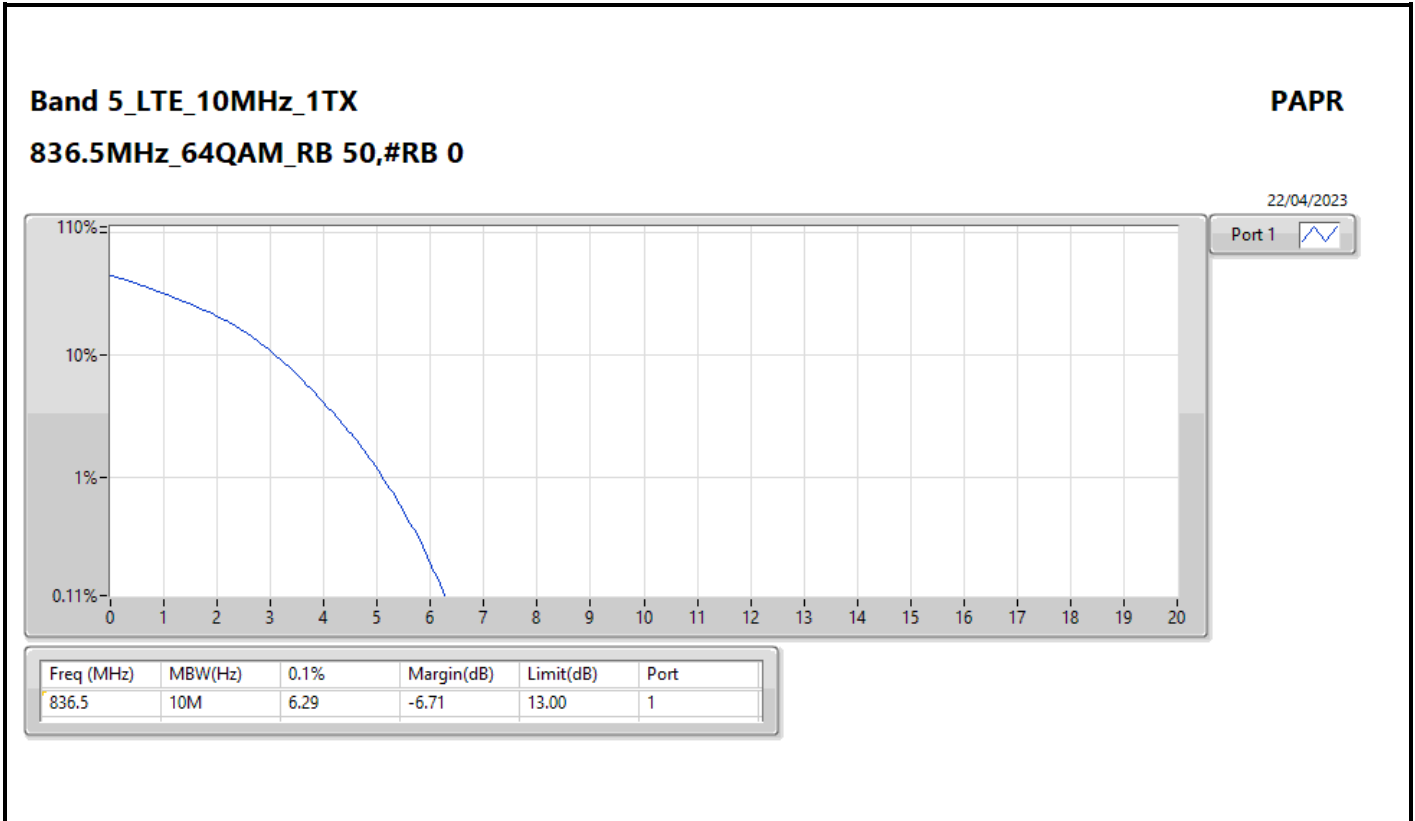
22/04/2023

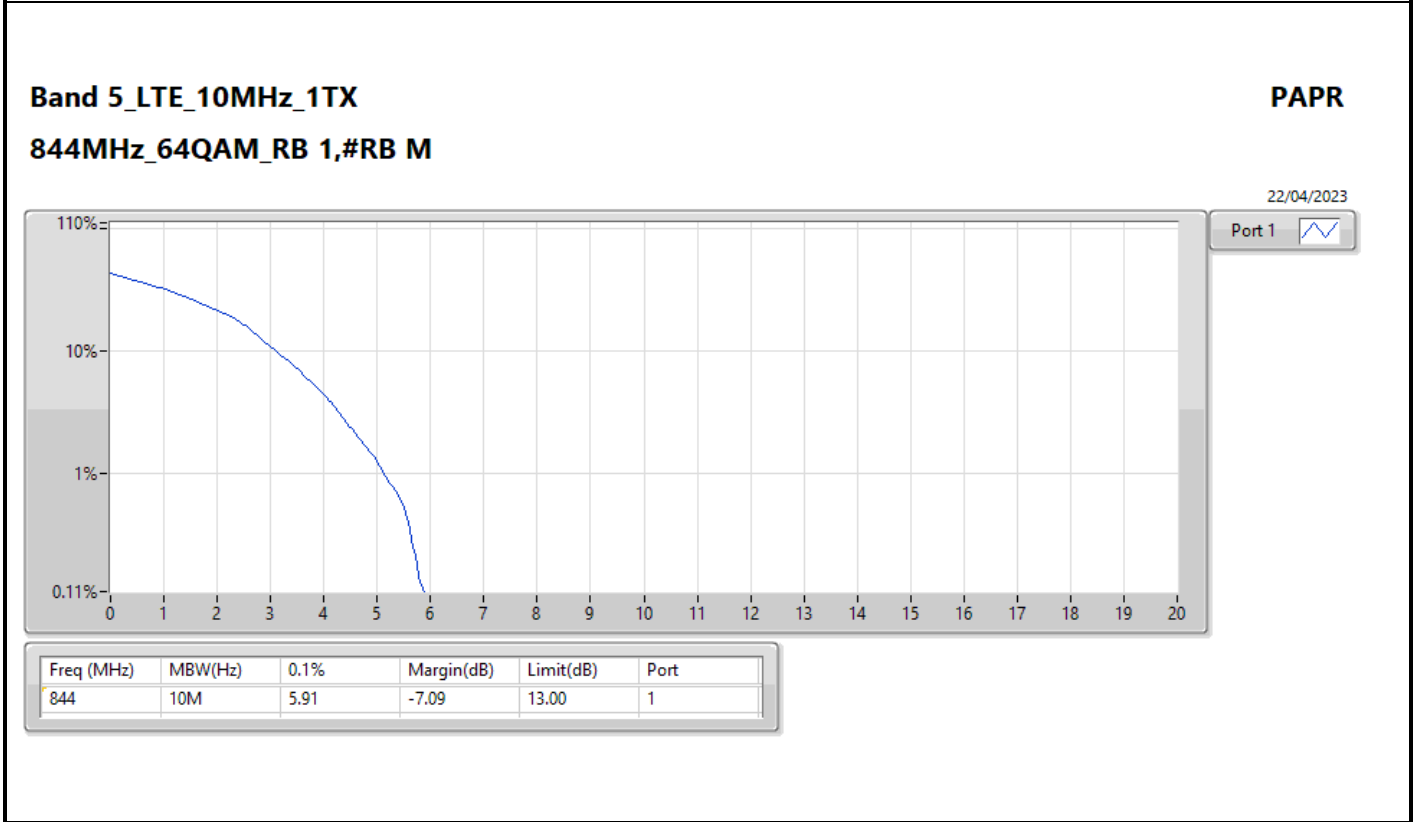
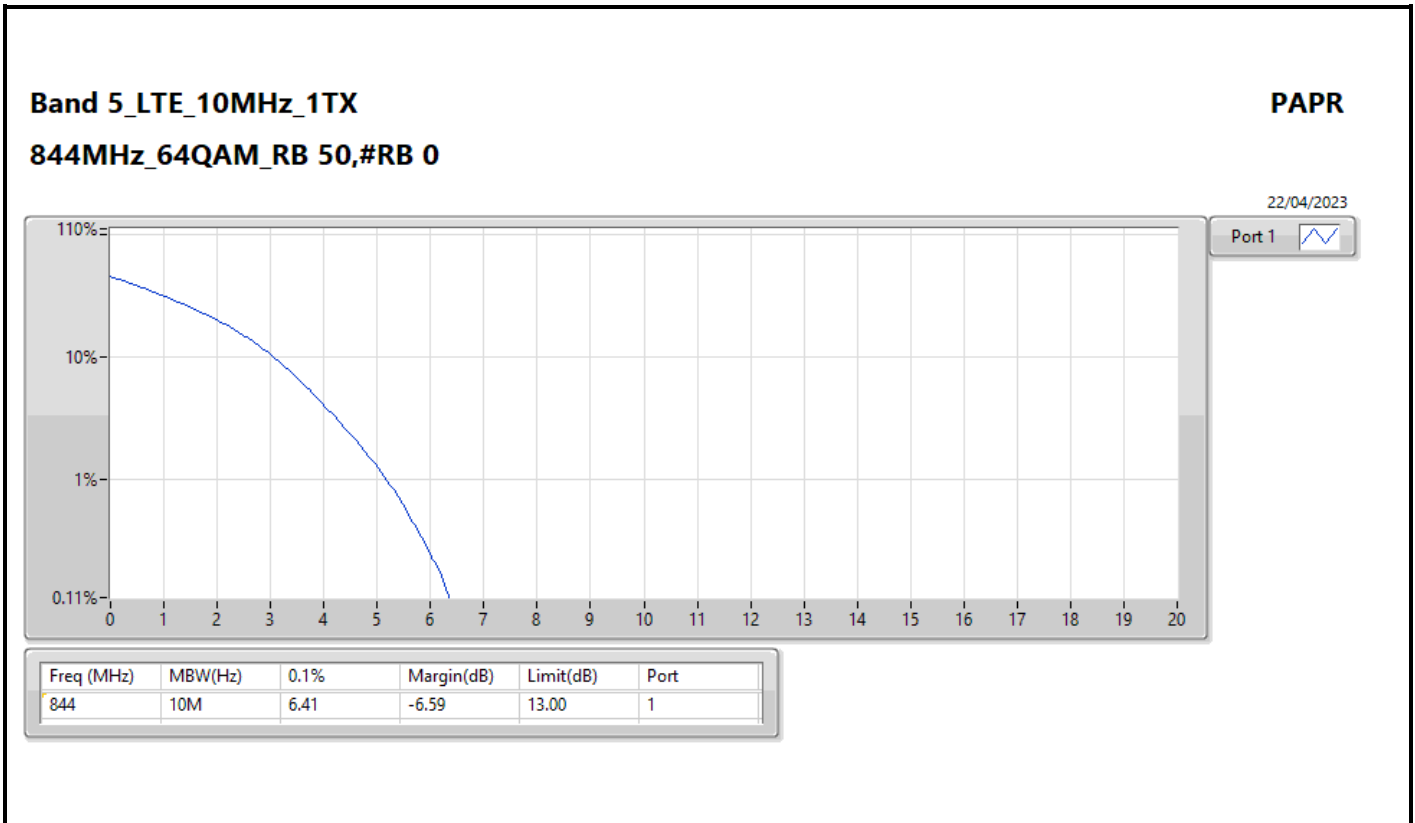


Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
844	10M	6.03	-6.97	13.00	1











**Peak to Average Power Ratio (PAPR)  
(Mode 7: LTE Band 7)**

**Appendix B.7**

**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 7	-	-	-	-	-
LTE_20MHz_QPSK_1TX	Pass	2535	13.00	5.19	1
LTE_20MHz_16QAM_1TX	Pass	2535	13.00	6.09	1
LTE_20MHz_64QAM_1TX	Pass	2560	13.00	5.83	1

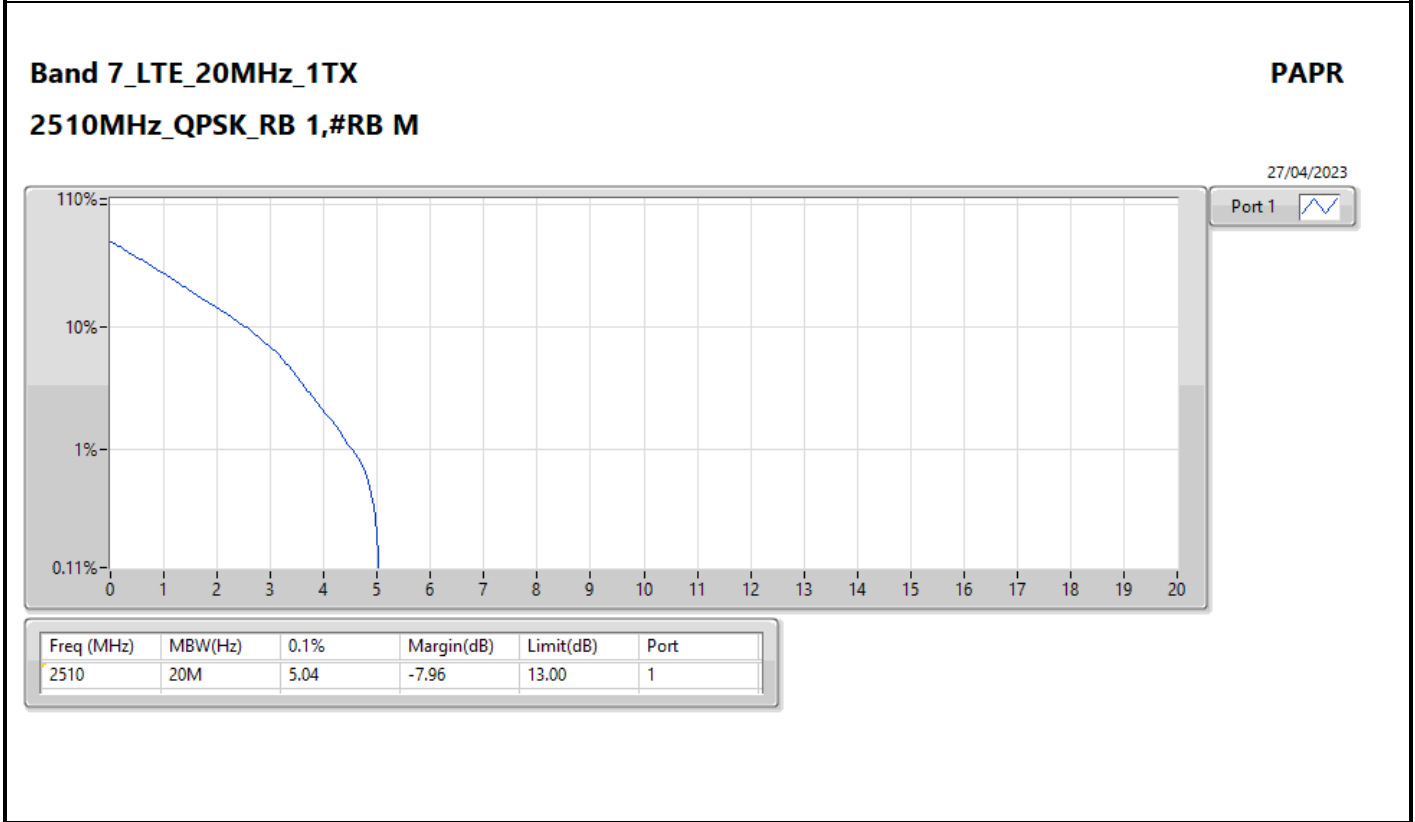
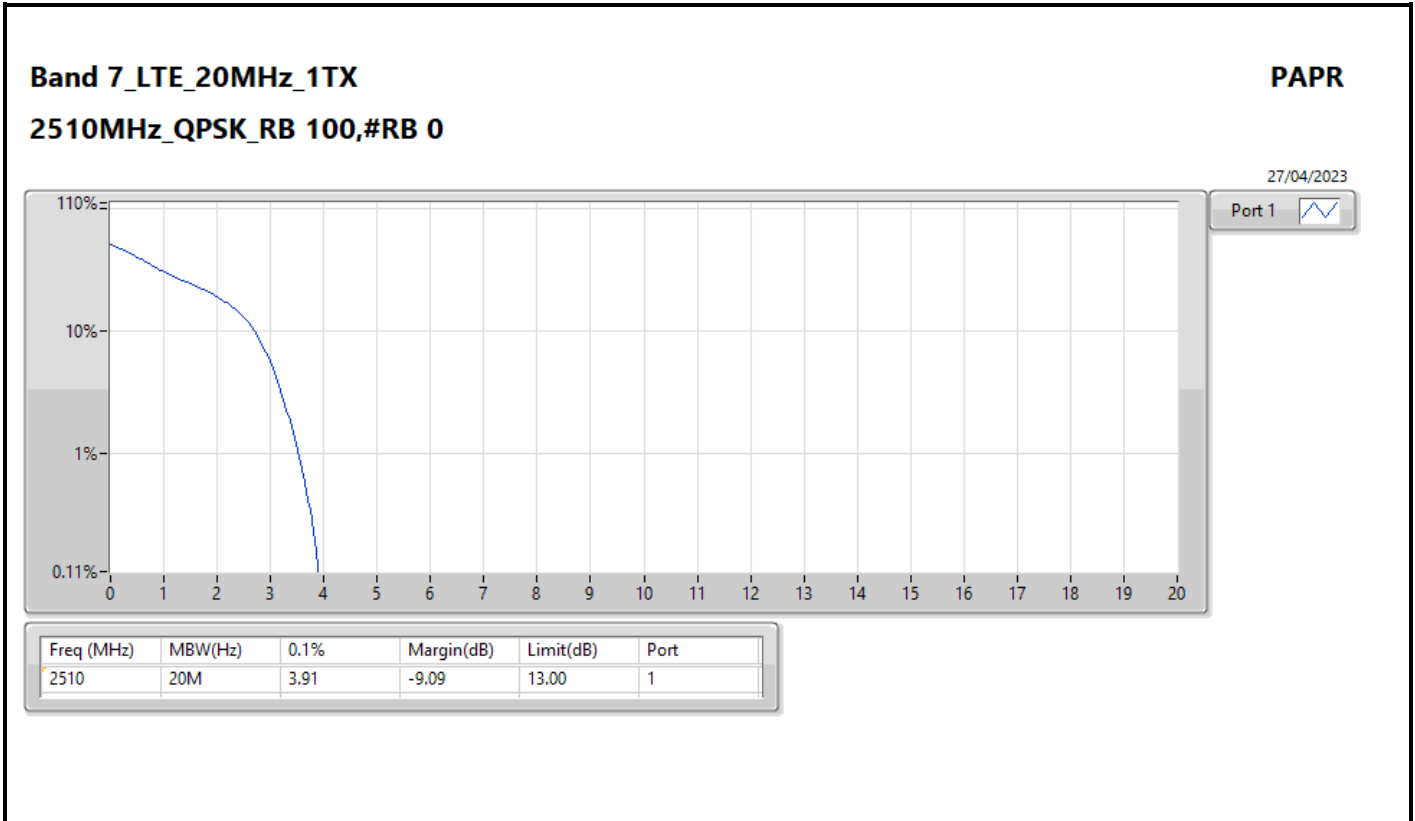


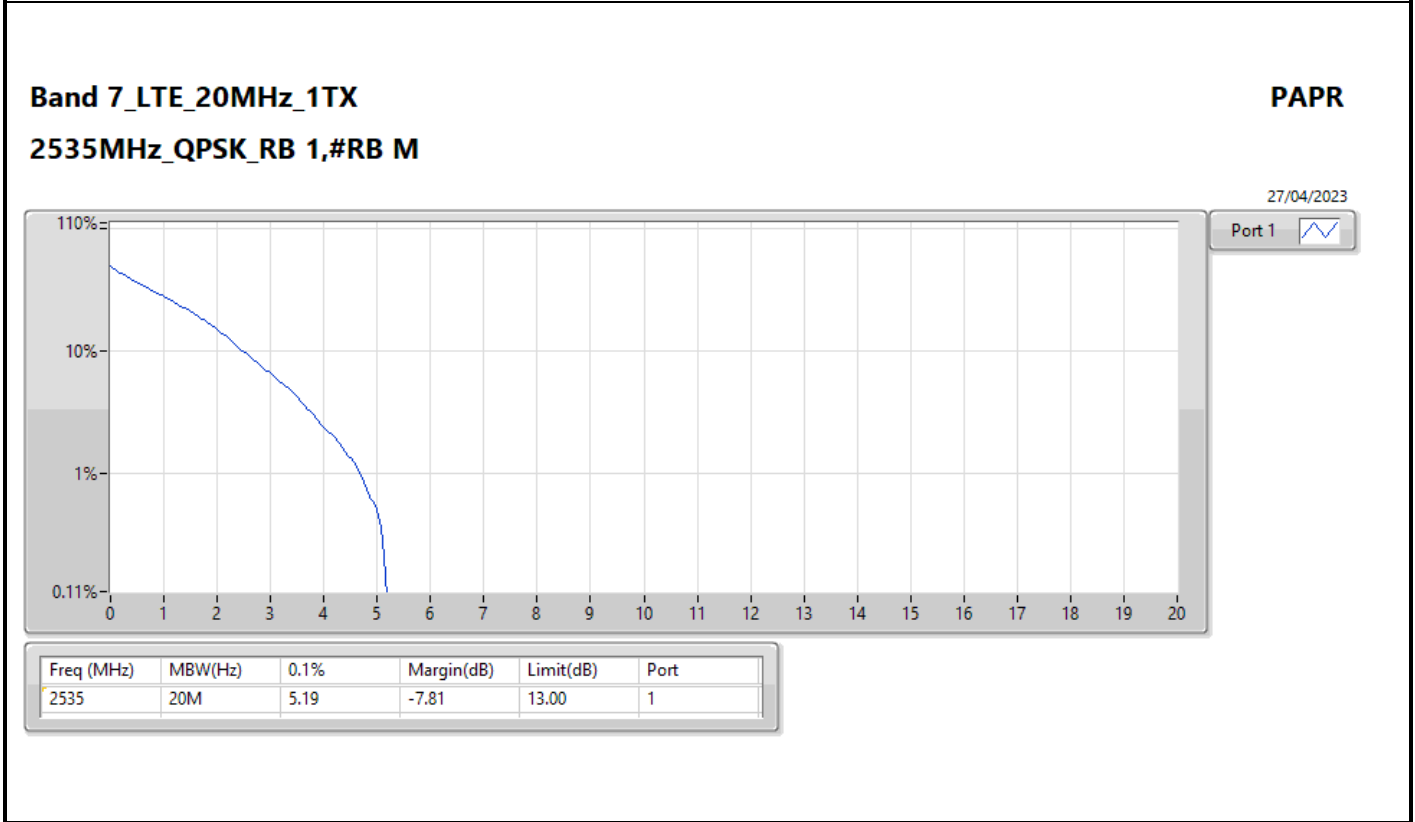
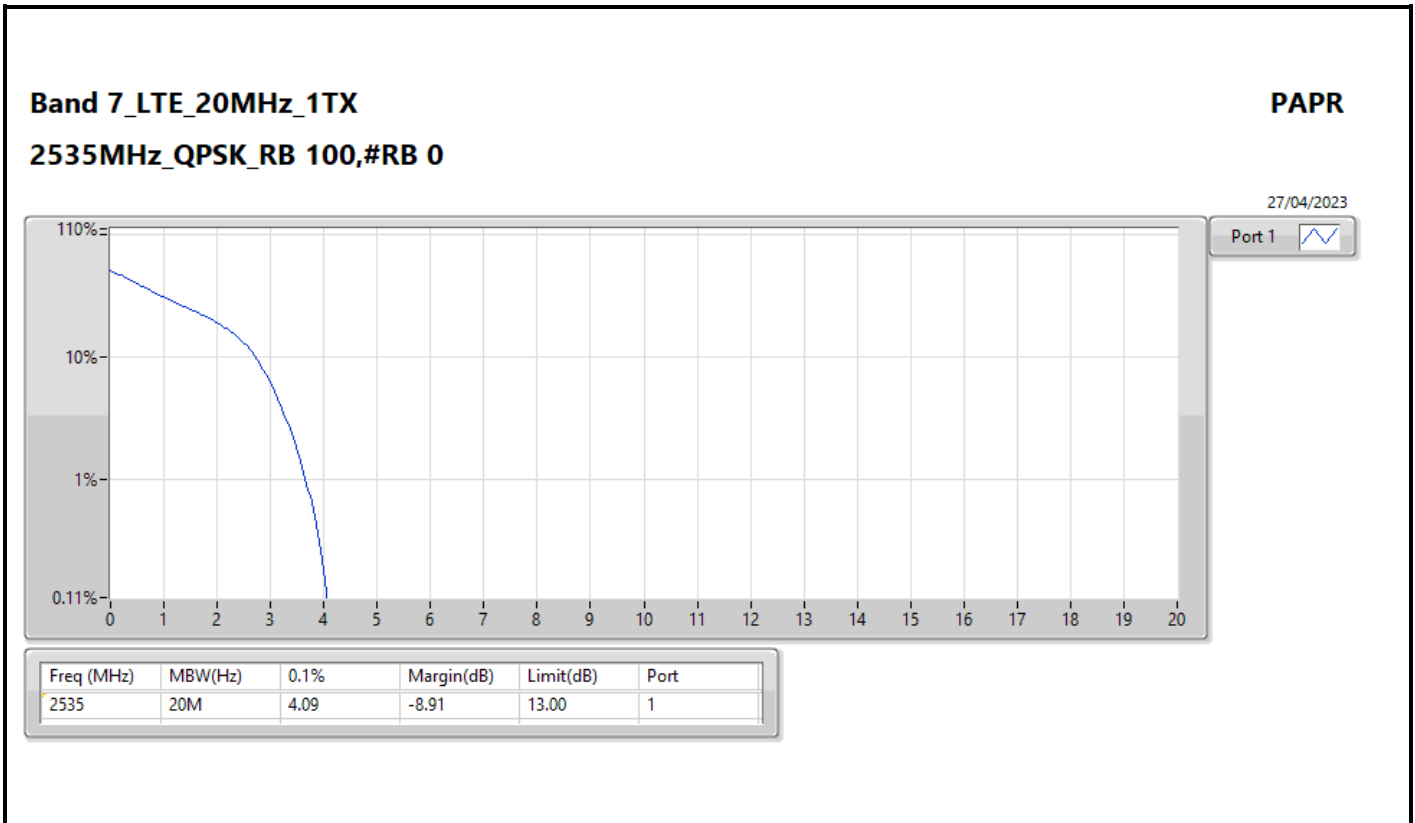
**Peak to Average Power Ratio (PAPR)  
(Mode 7: LTE Band 7)**

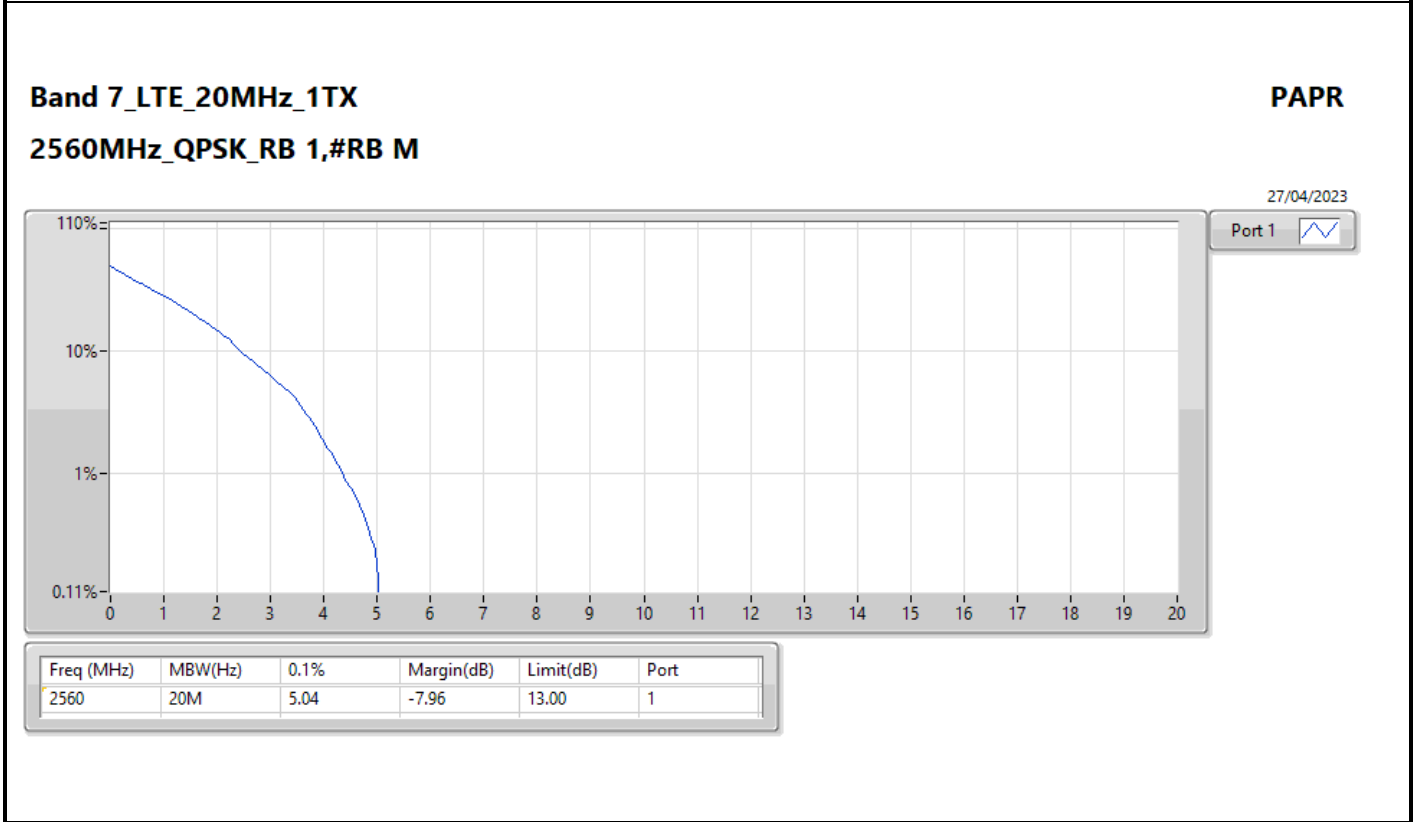
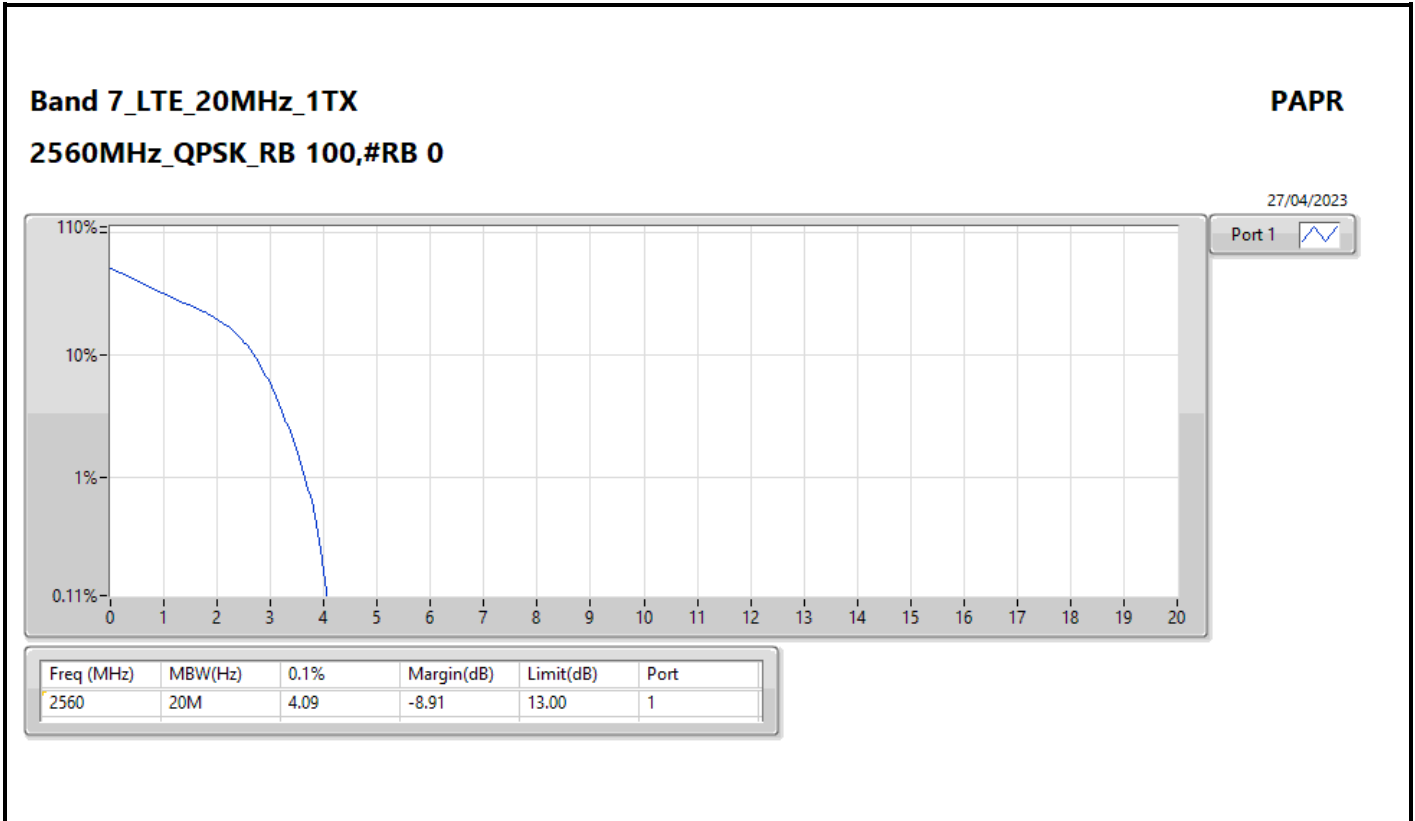
**Appendix B.7**

**Result**

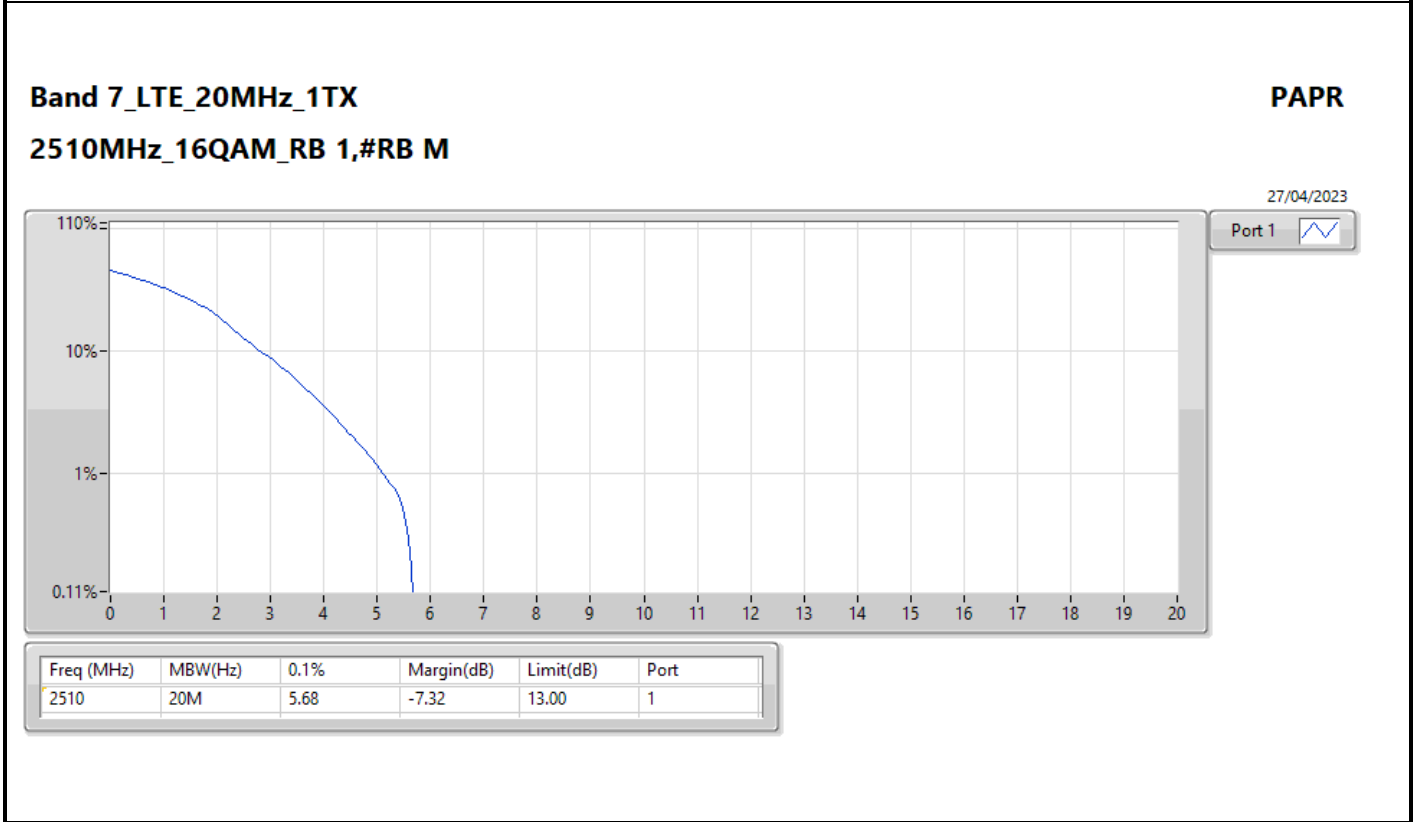
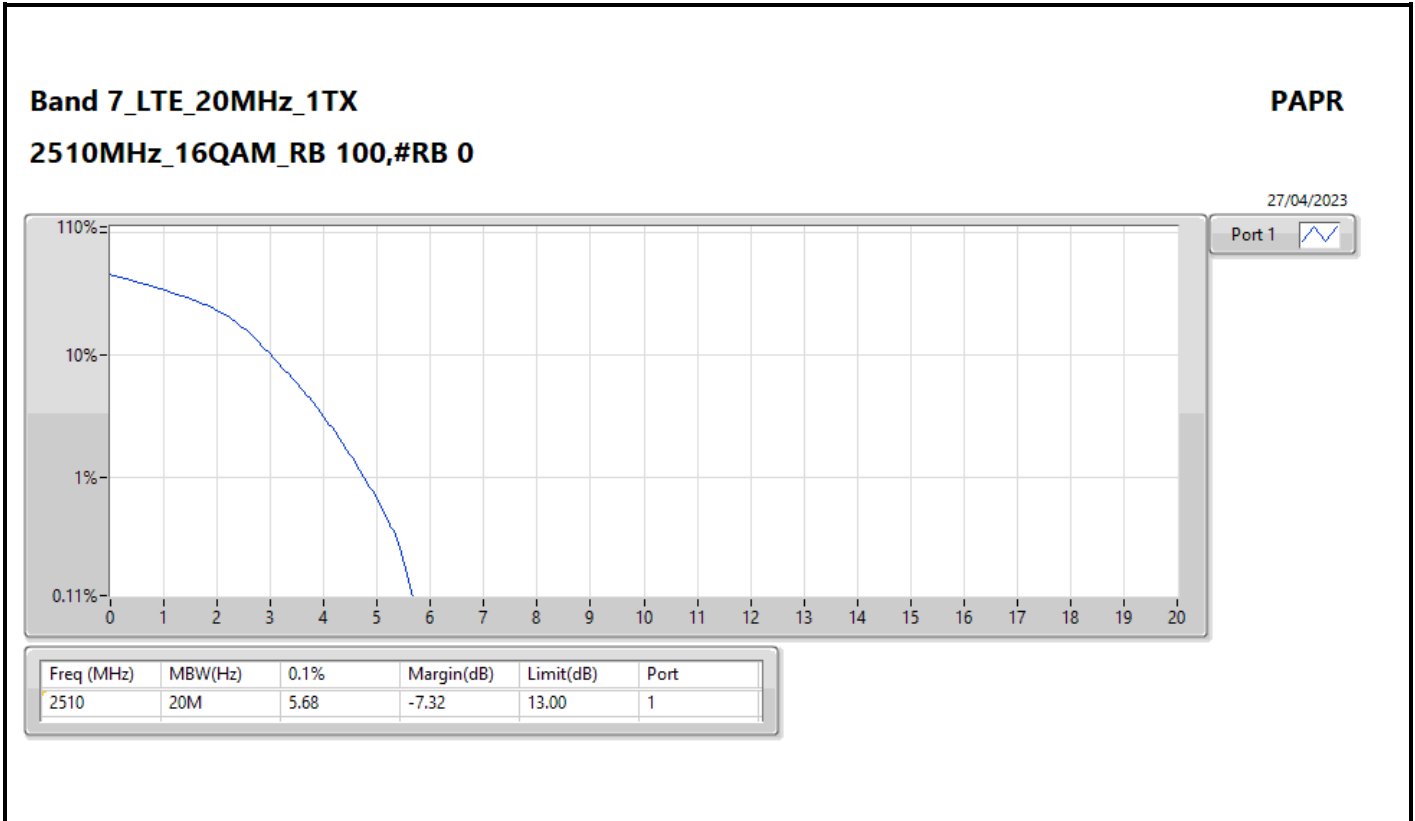
Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 7_LTE_20MHz_QPSK_1TX	-	-	-	-	-
2510MHz_RB 100,#RB 0	Pass	2510	13.00	3.91	1
2510MHz_RB 1,#RB M	Pass	2510	13.00	5.04	1
2535MHz_RB 100,#RB 0	Pass	2535	13.00	4.09	1
2535MHz_RB 1,#RB M	Pass	2535	13.00	5.19	1
2560MHz_RB 100,#RB 0	Pass	2560	13.00	4.09	1
2560MHz_RB 1,#RB M	Pass	2560	13.00	5.04	1
Band 7_LTE_20MHz_16QAM_1TX	-	-	-	-	-
2510MHz_RB 100,#RB 0	Pass	2510	13.00	5.68	1
2510MHz_RB 1,#RB M	Pass	2510	13.00	5.68	1
2535MHz_RB 100,#RB 0	Pass	2535	13.00	5.77	1
2535MHz_RB 1,#RB M	Pass	2535	13.00	6.09	1
2560MHz_RB 100,#RB 0	Pass	2560	13.00	5.83	1
2560MHz_RB 1,#RB M	Pass	2560	13.00	5.74	1
Band 7_LTE_20MHz_64QAM_1TX	-	-	-	-	-
2510MHz_RB 100,#RB 0	Pass	2510	13.00	5.62	1
2510MHz_RB 1,#RB M	Pass	2510	13.00	5.77	1
2535MHz_RB 100,#RB 0	Pass	2535	13.00	5.77	1
2535MHz_RB 1,#RB M	Pass	2535	13.00	5.80	1
2560MHz_RB 100,#RB 0	Pass	2560	13.00	5.83	1
2560MHz_RB 1,#RB M	Pass	2560	13.00	5.57	1

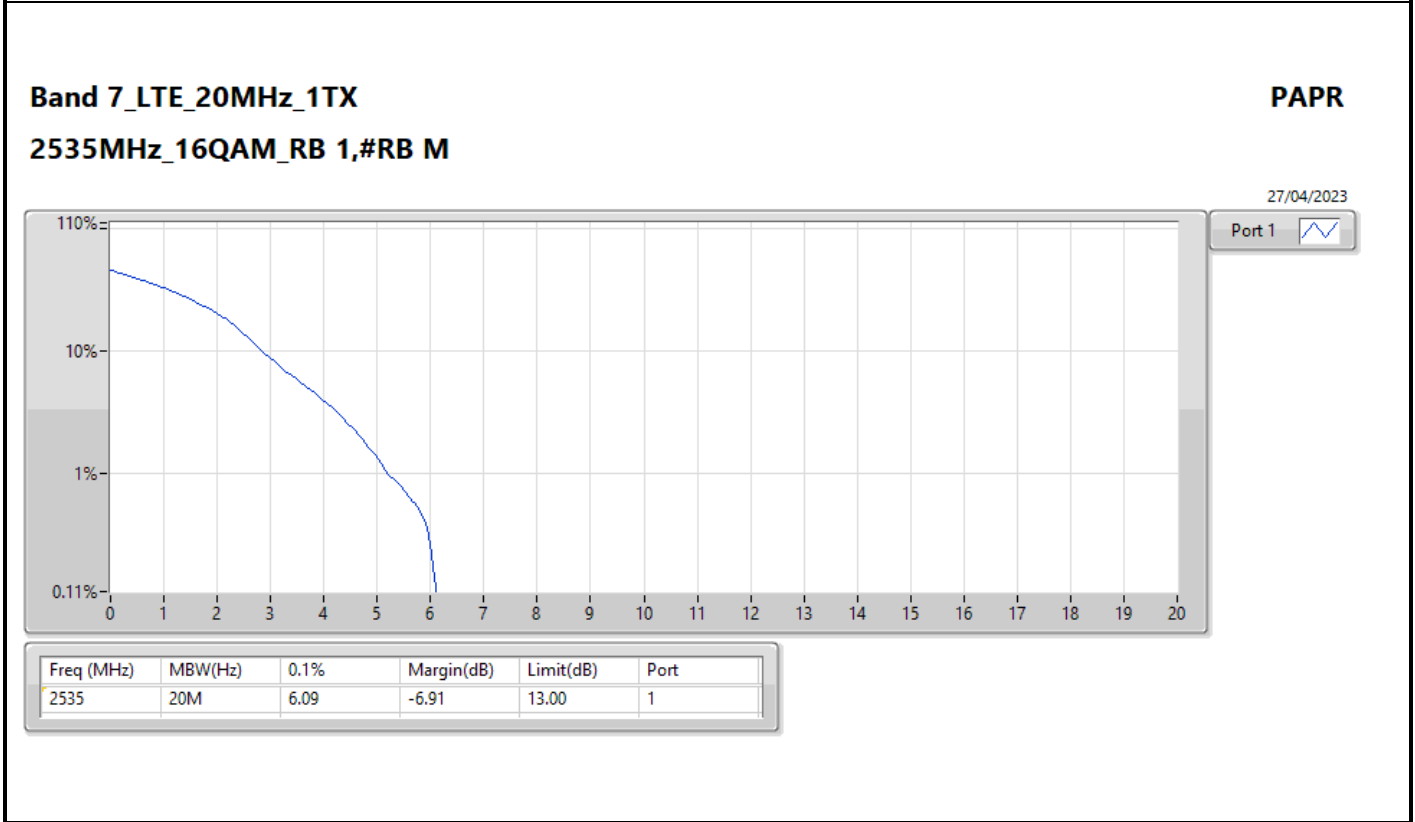
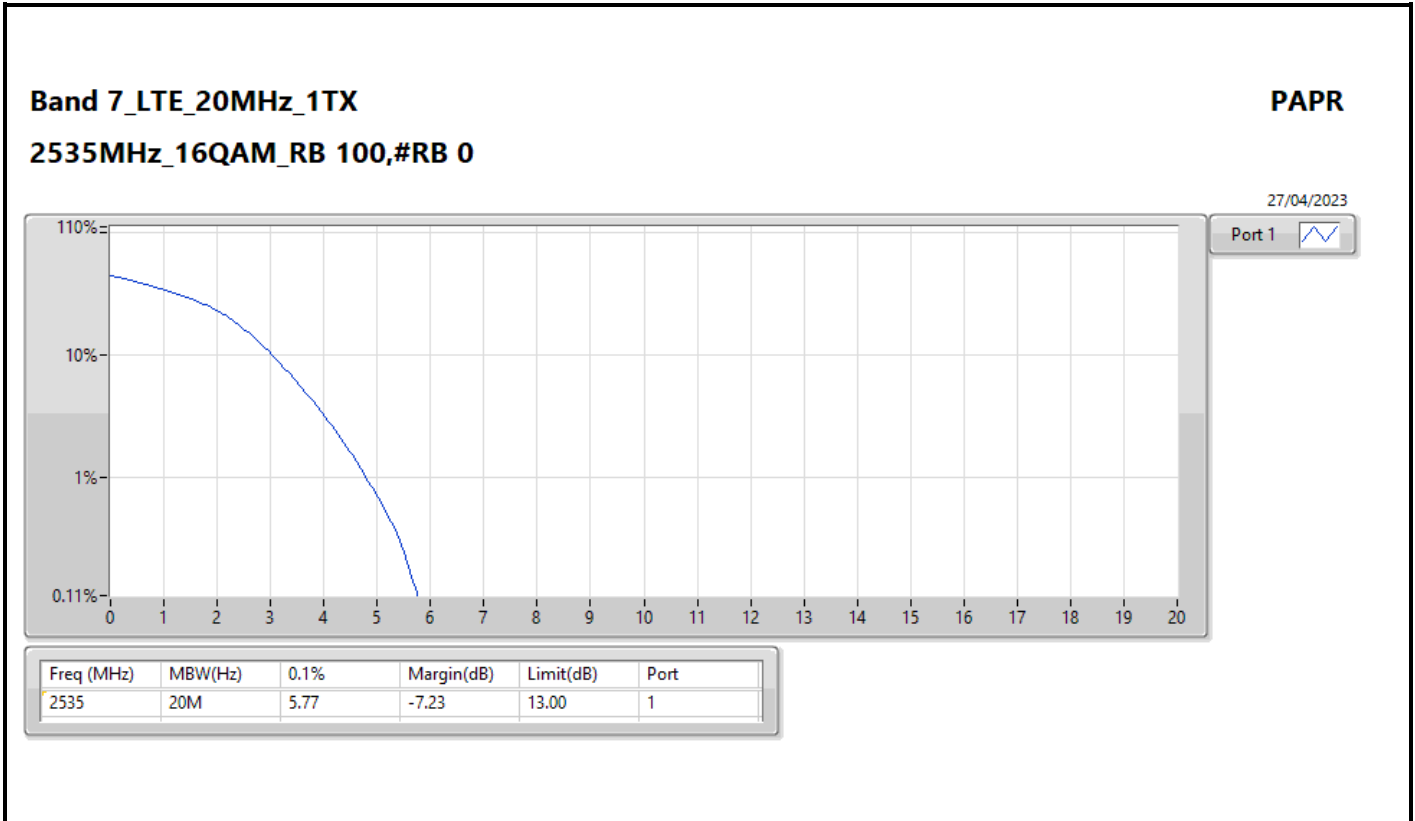


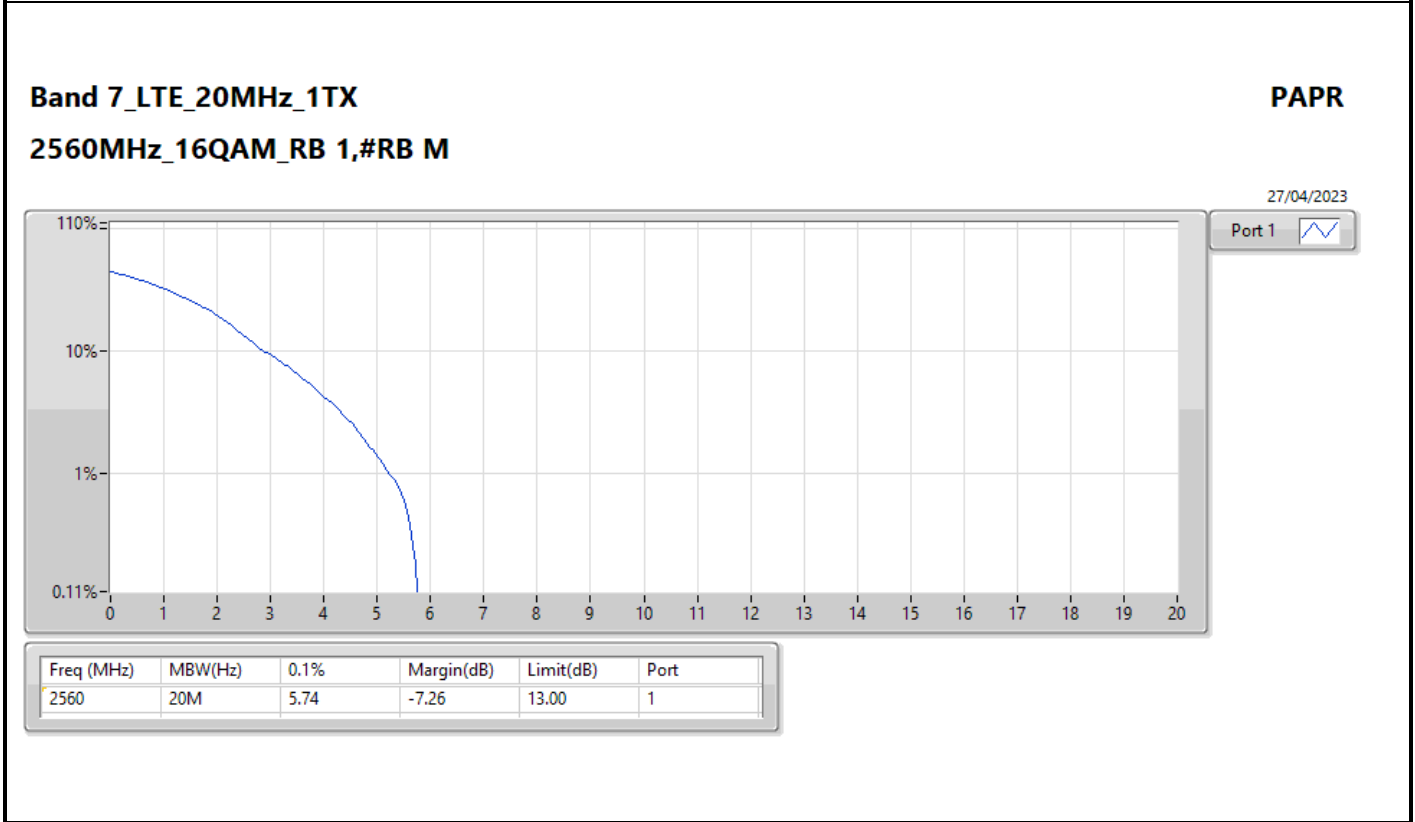
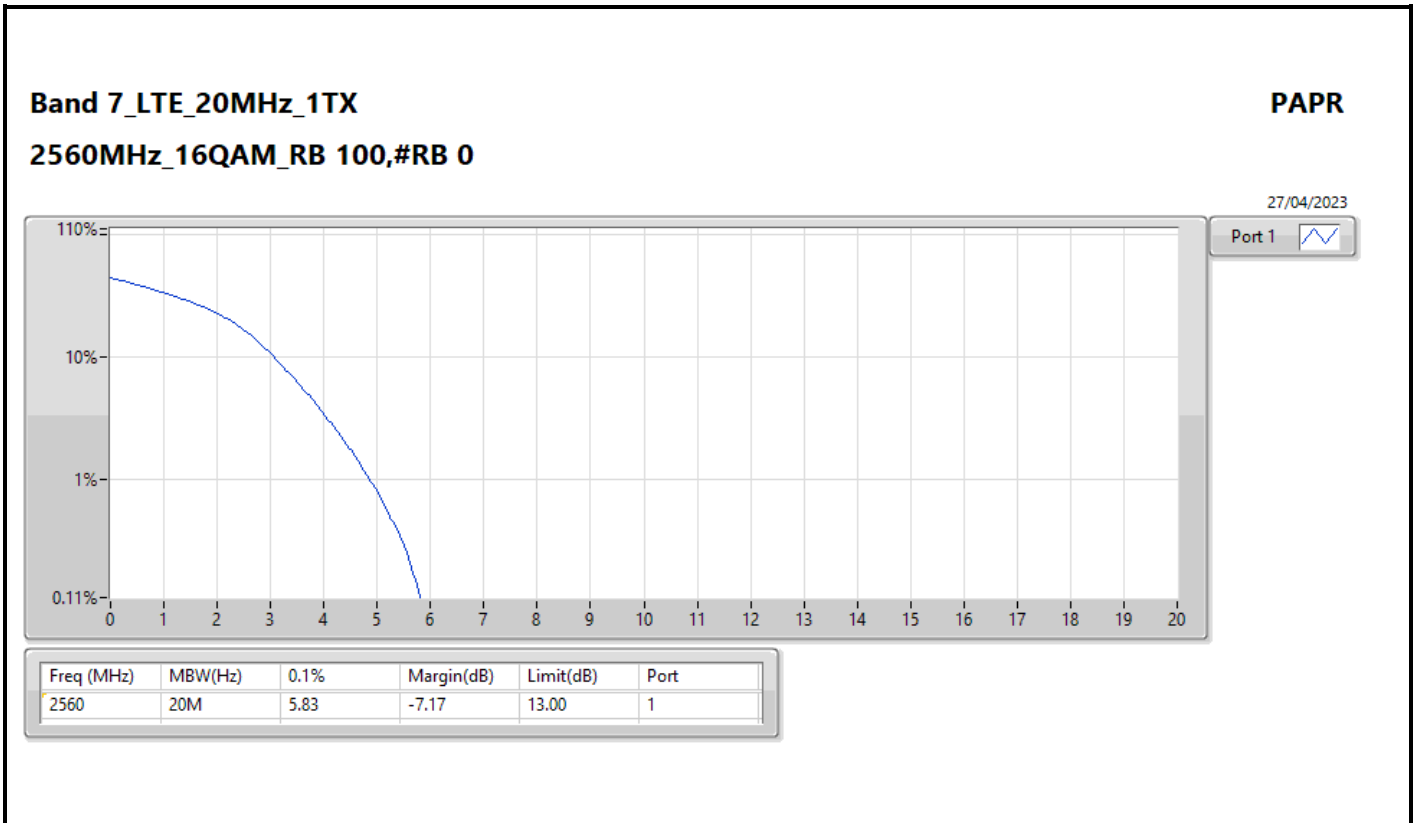


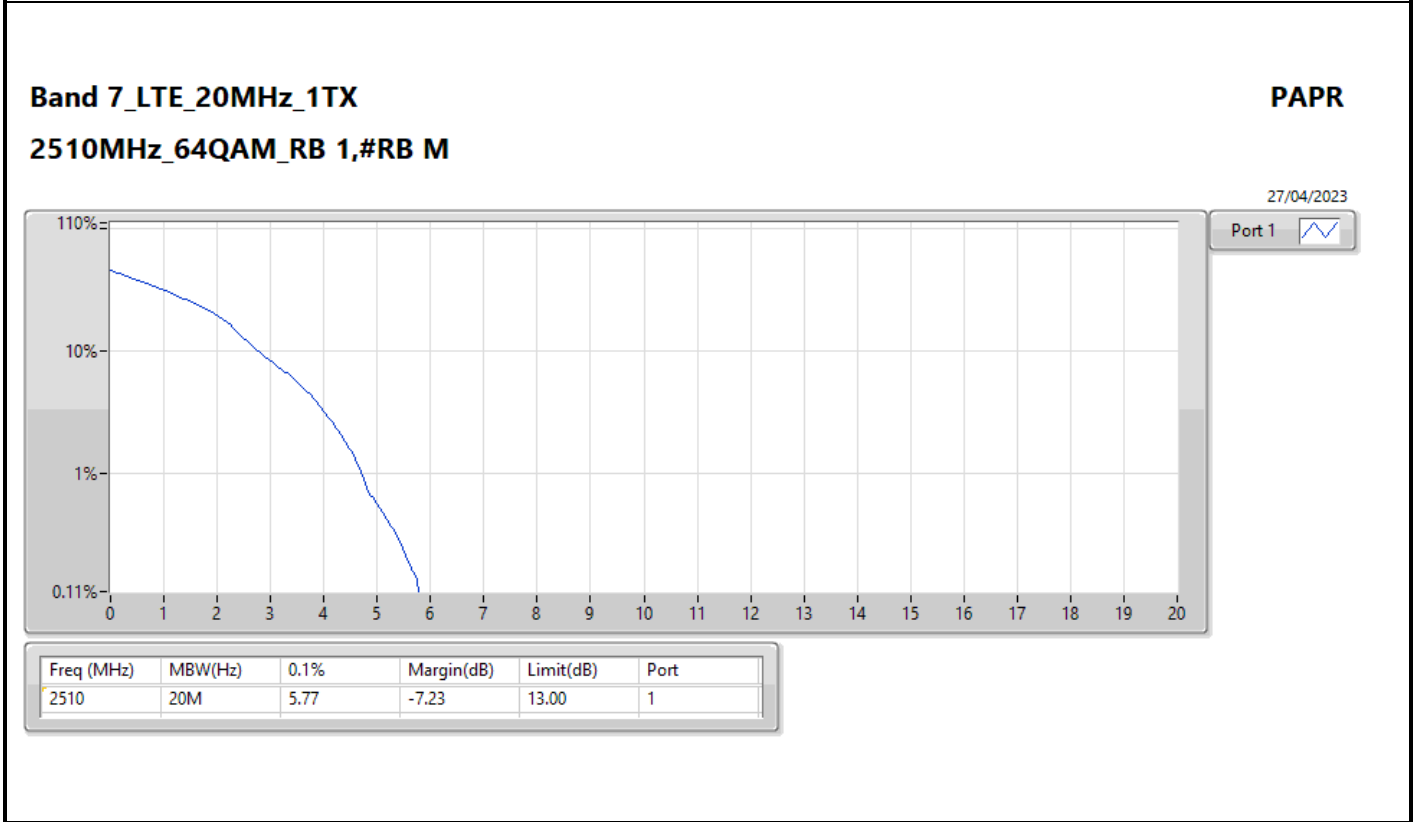
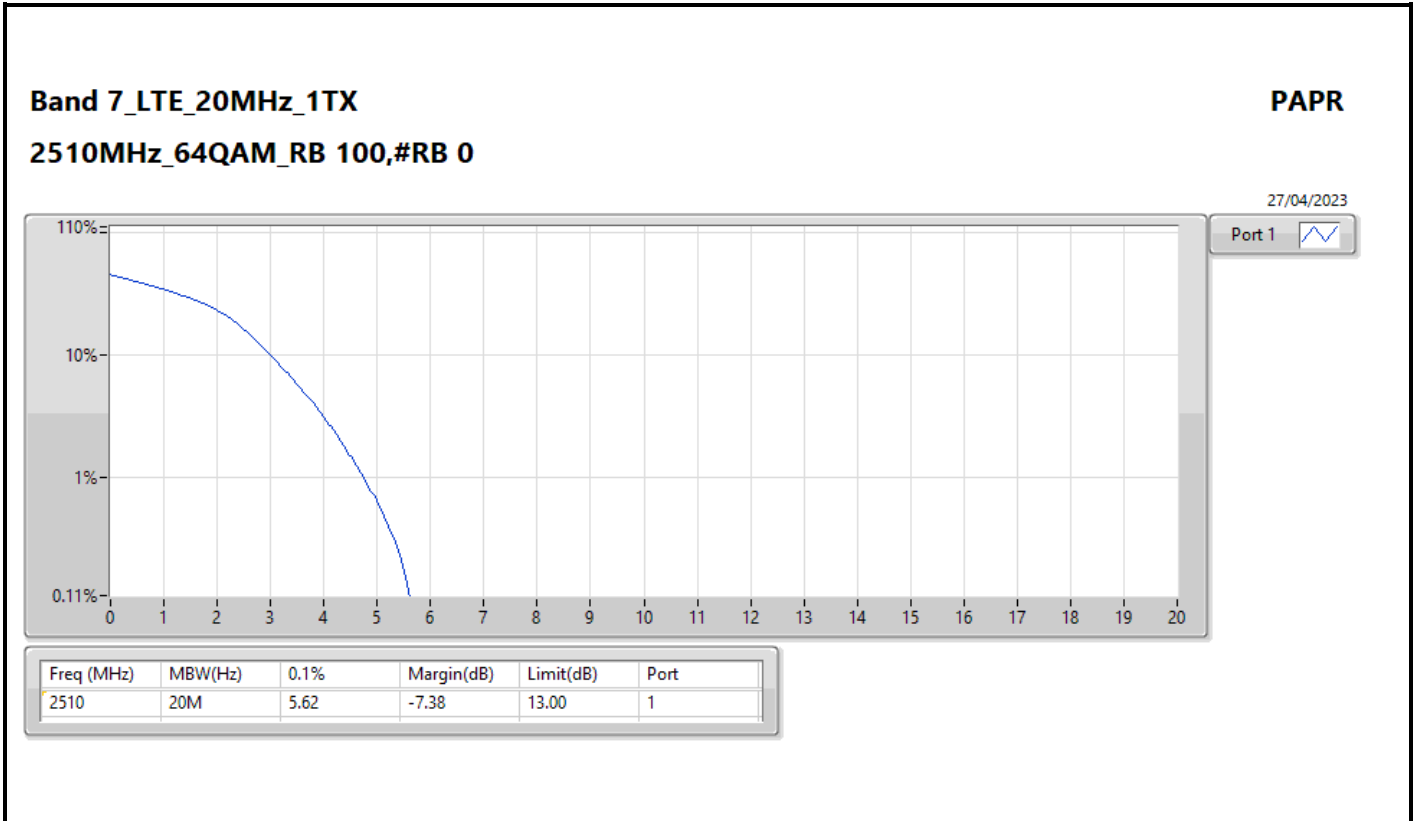


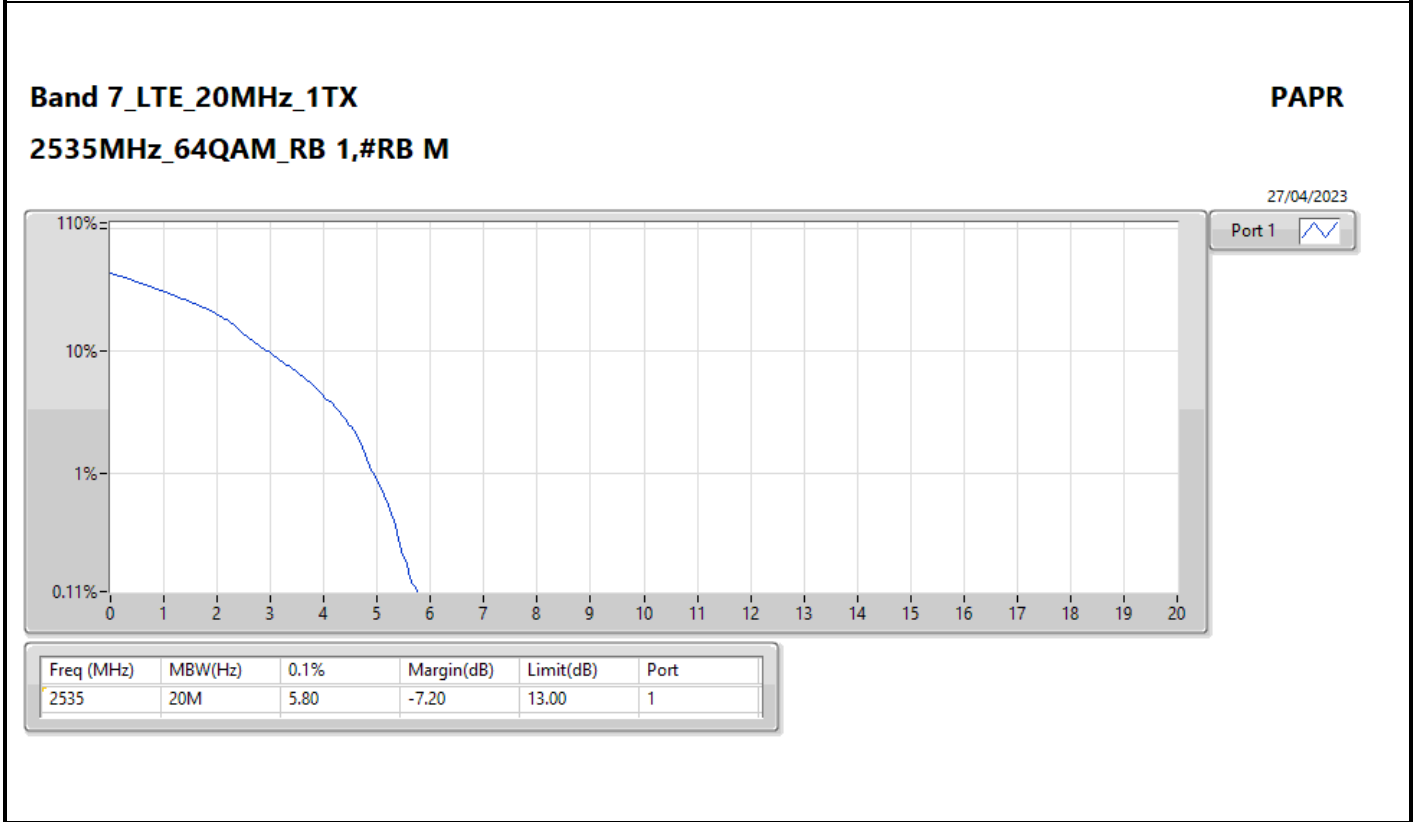
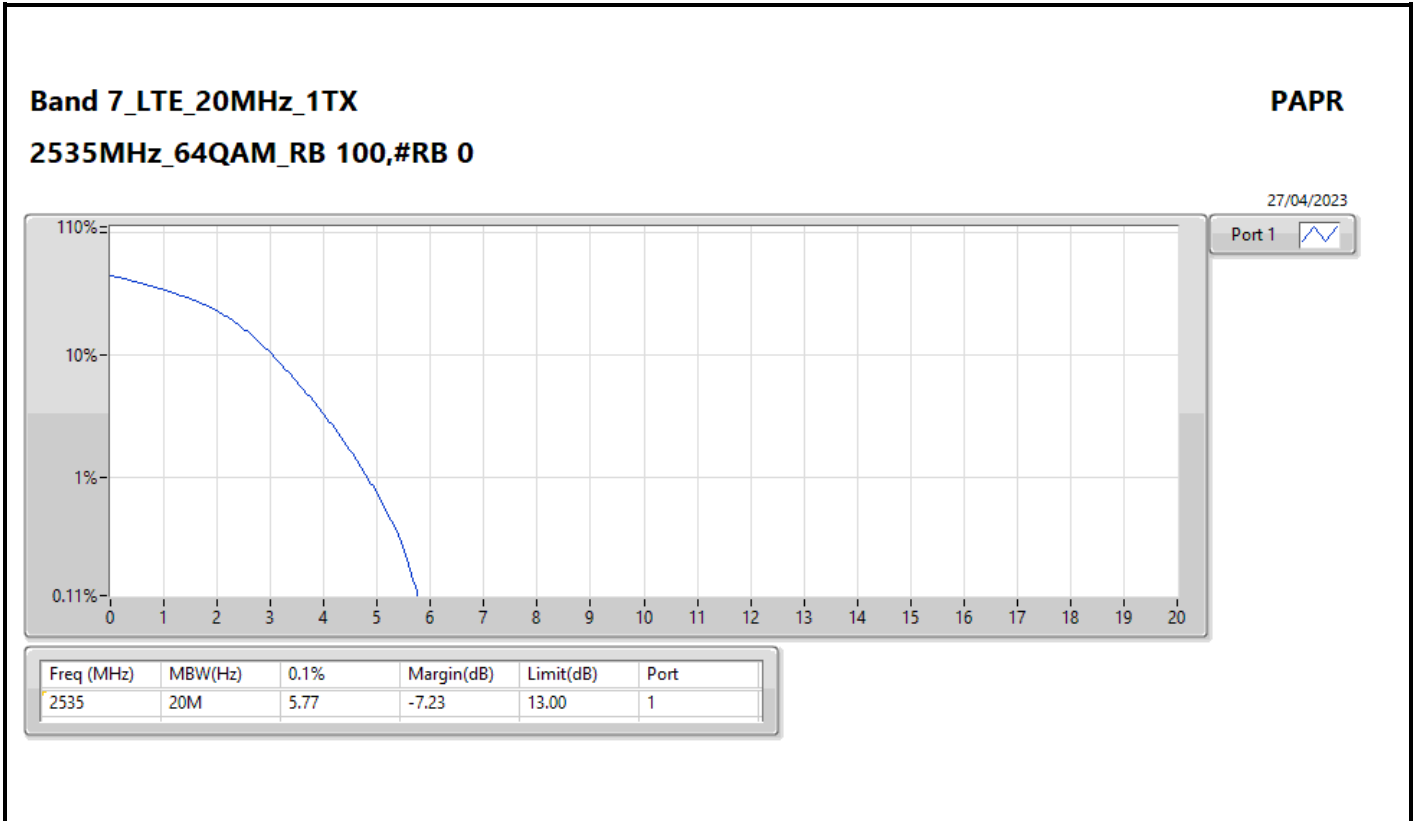


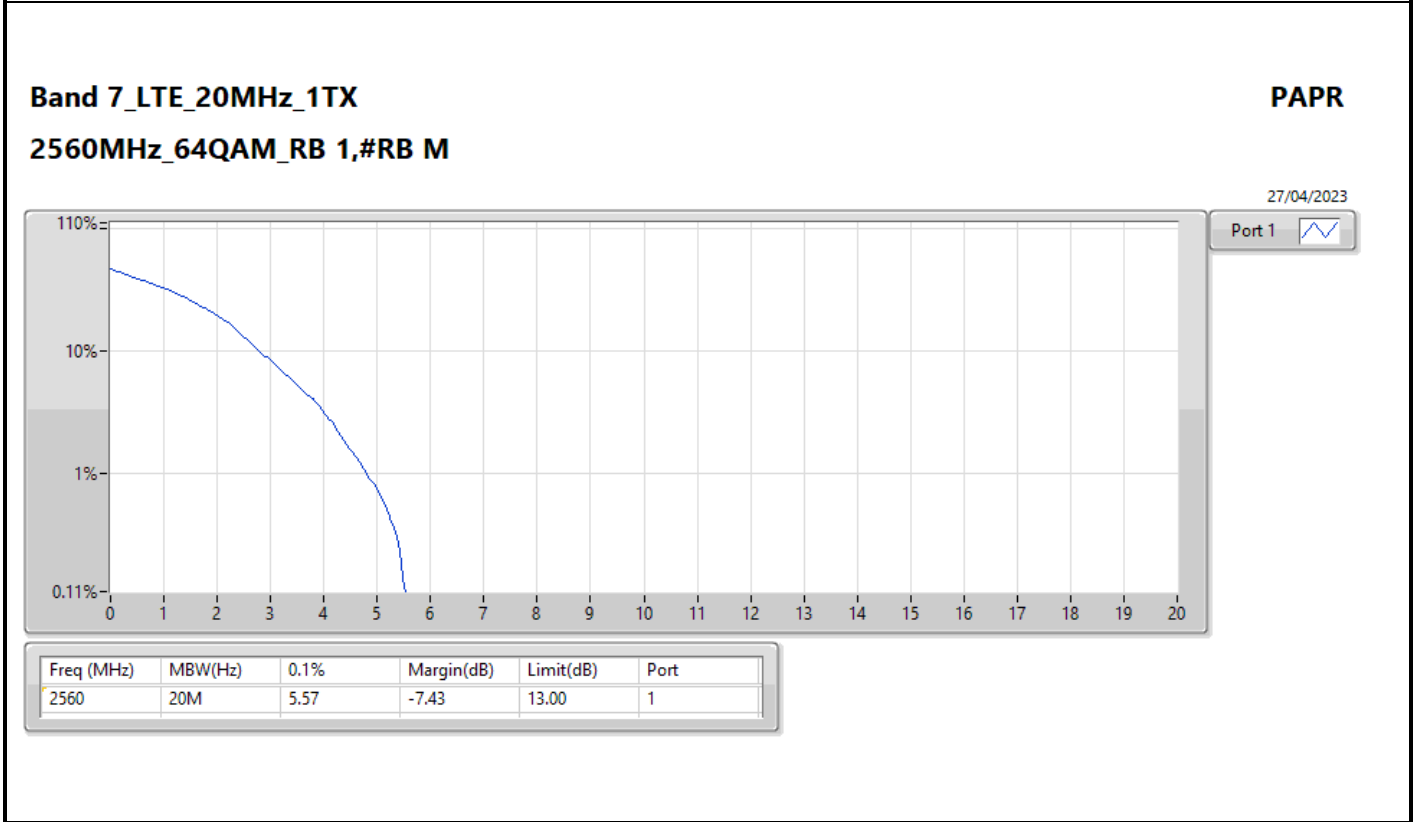
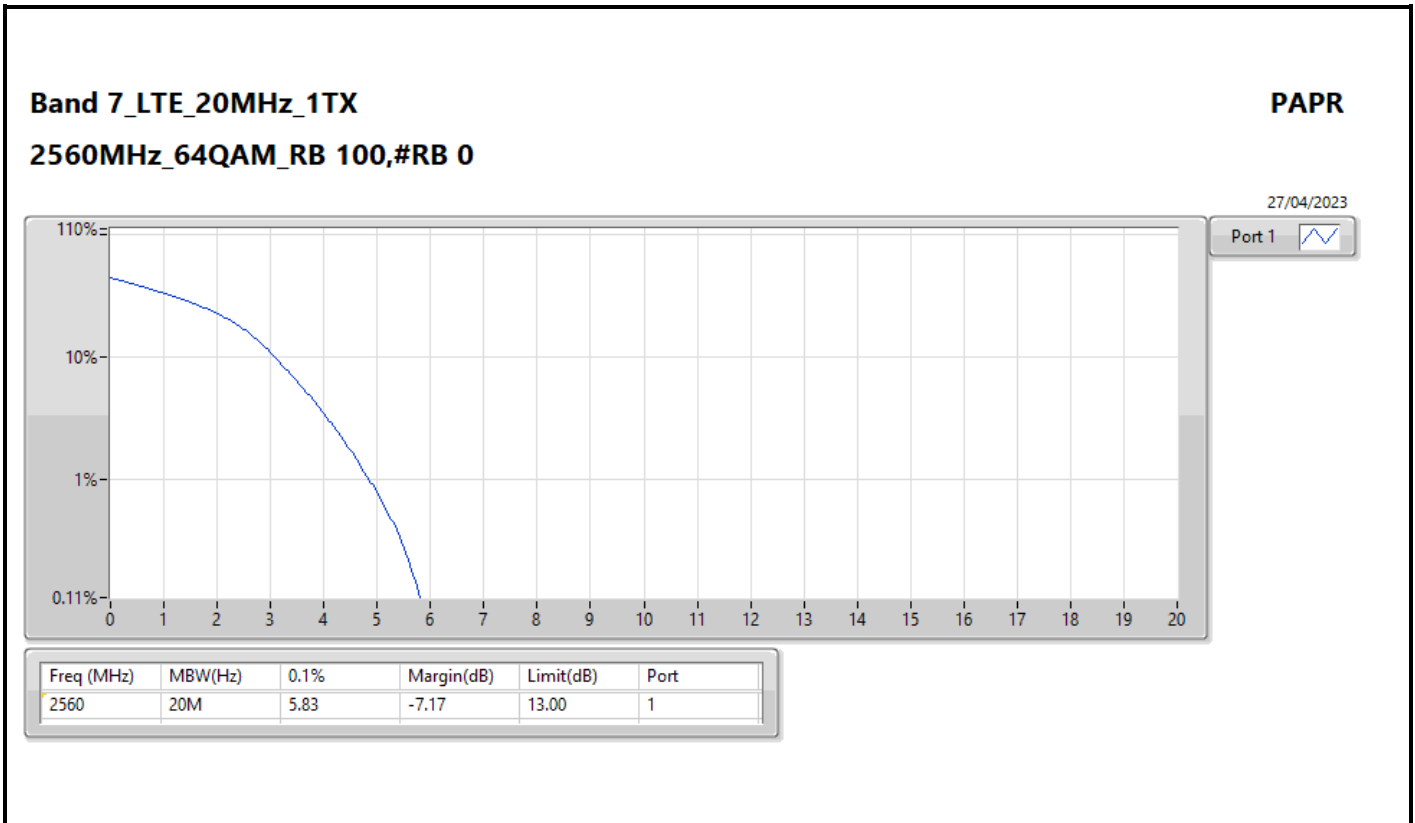














**Peak to Average Power Ratio (PAPR)  
(Mode 8: LTE Band 12)**

**Appendix B.8**

**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 12	-	-	-	-	-
LTE_10MHz_QPSK_1TX	Pass	711	13.00	5.10	1
LTE_10MHz_16QAM_1TX	Pass	704	13.00	5.97	1
LTE_10MHz_64QAM_1TX	Pass	704	13.00	6.03	1



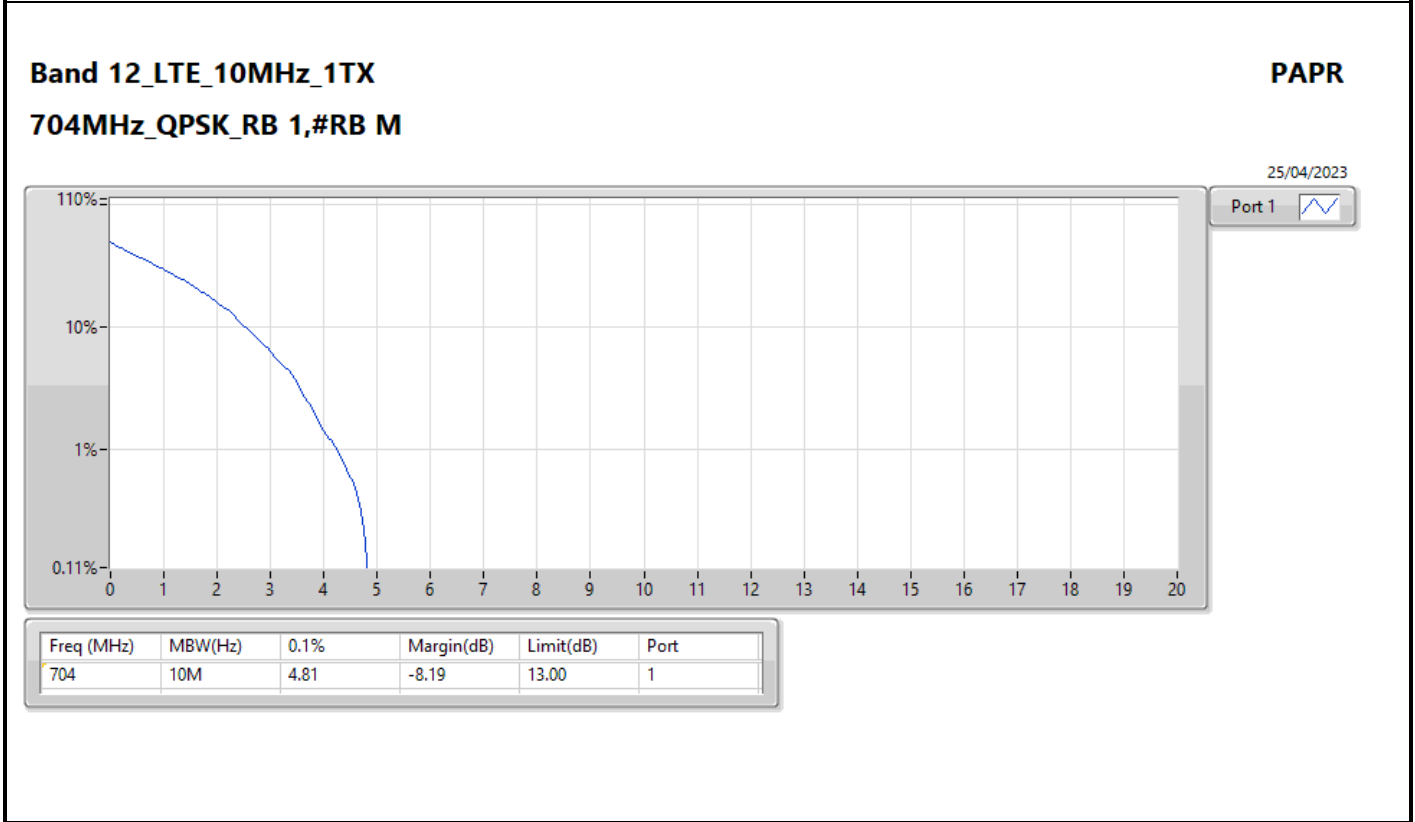
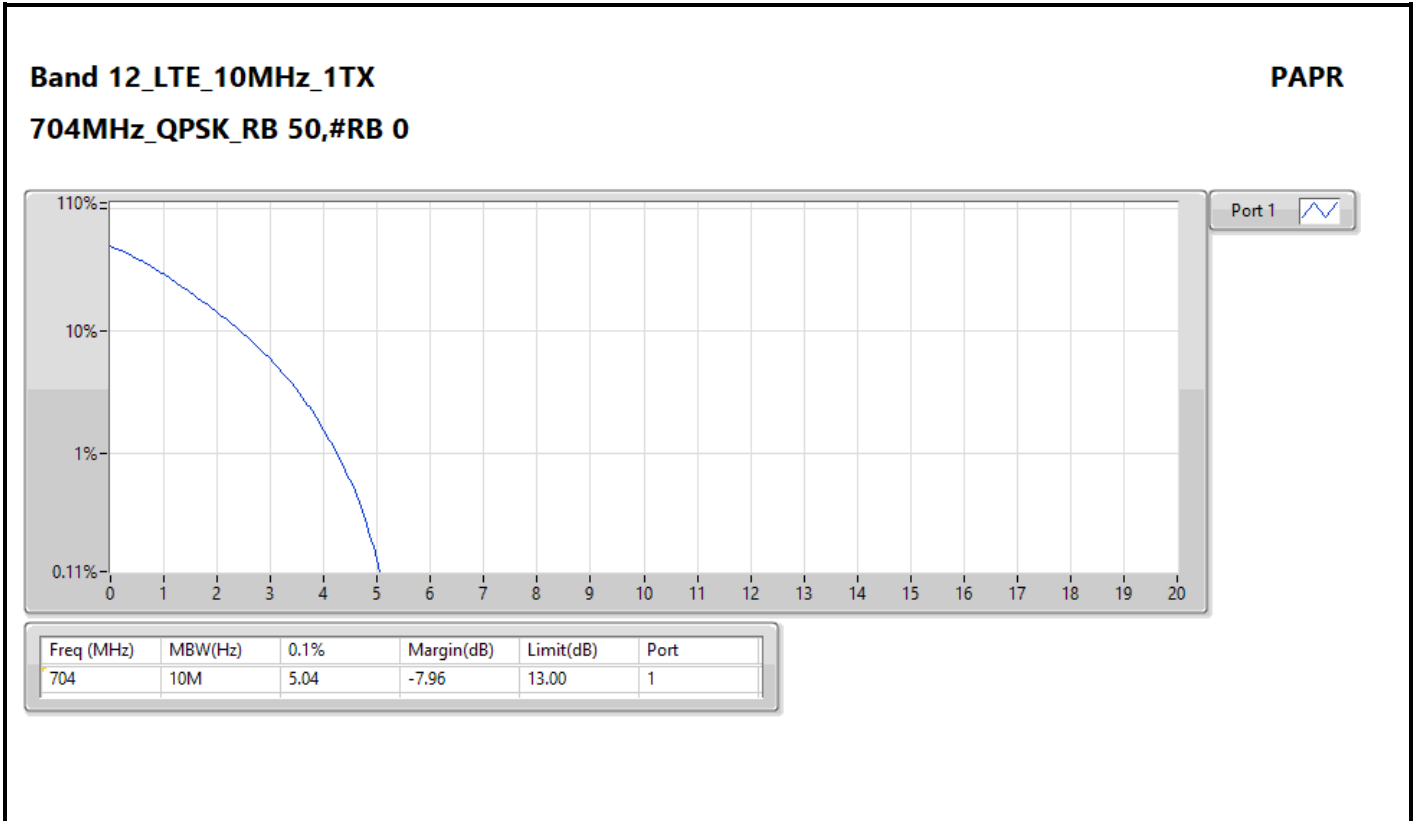
**Peak to Average Power Ratio (PAPR)  
(Mode 8: LTE Band 12)**

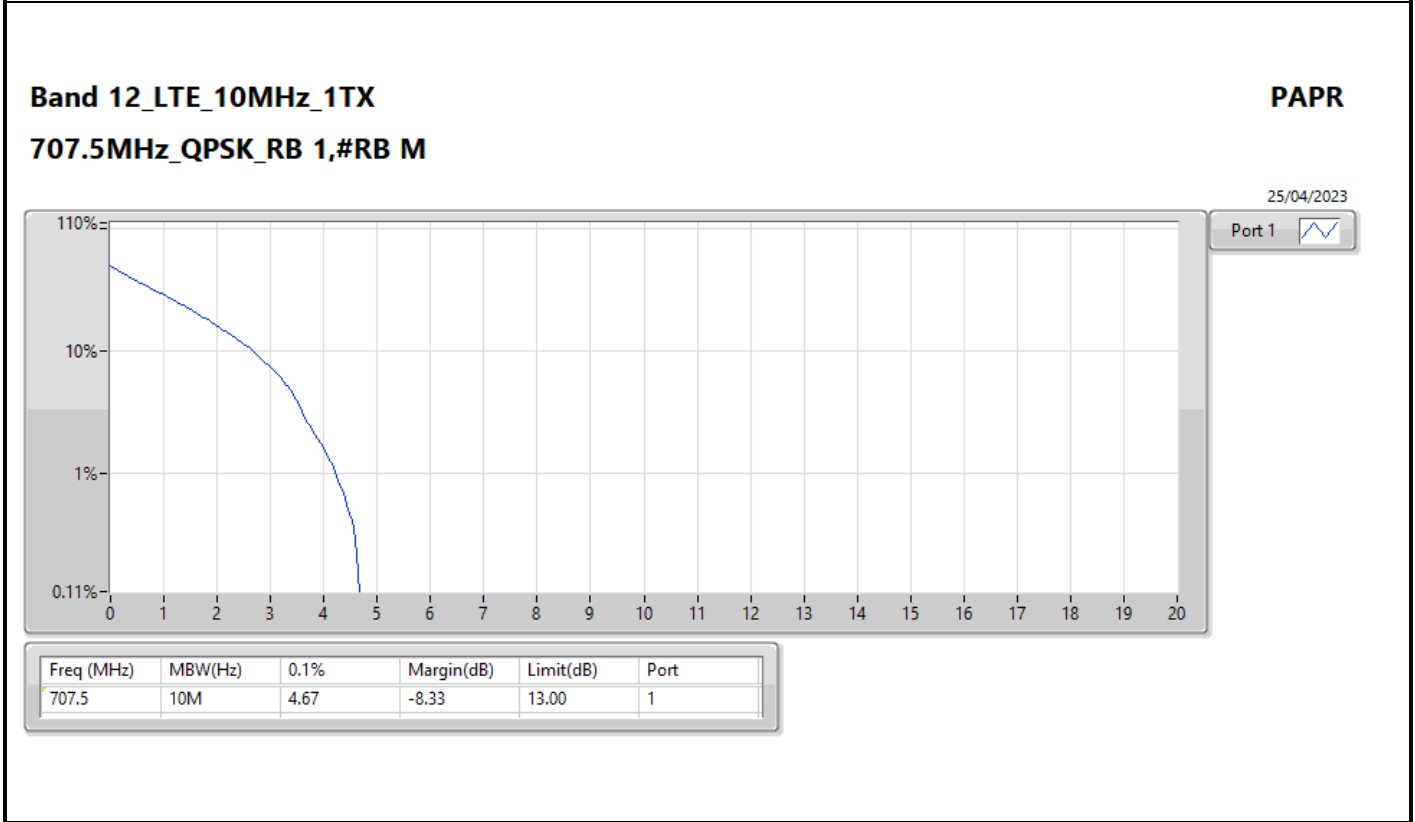
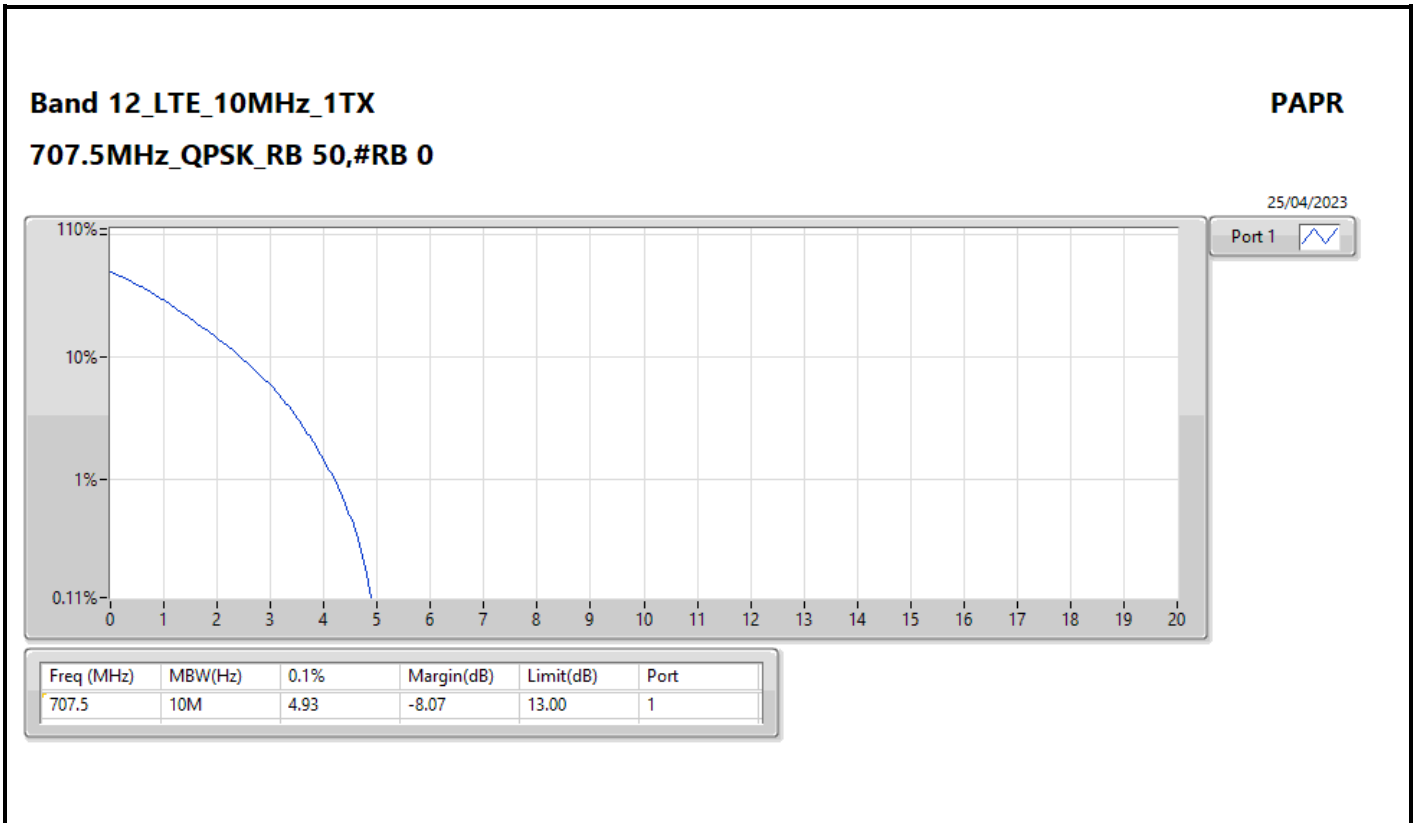
**Appendix B.8**

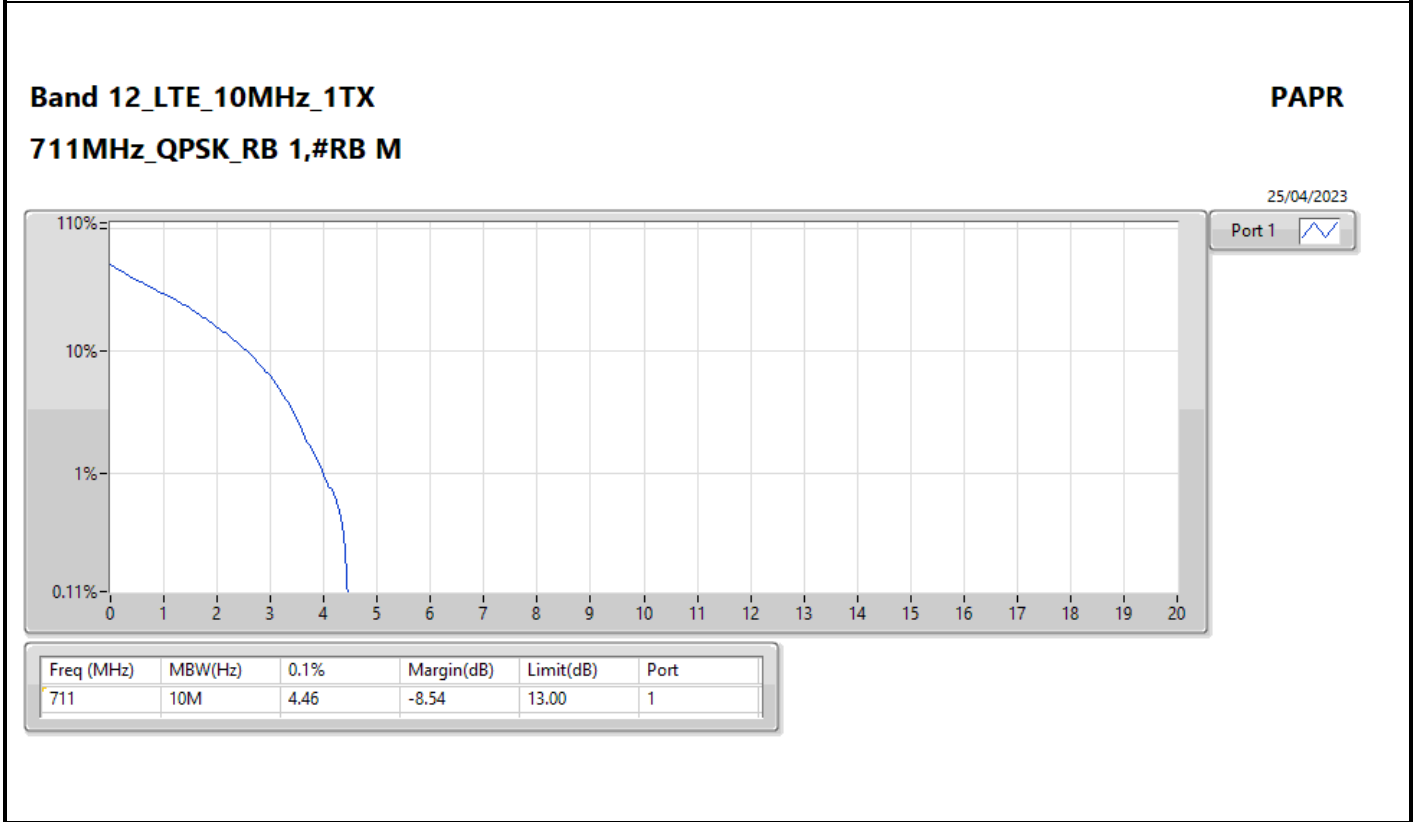
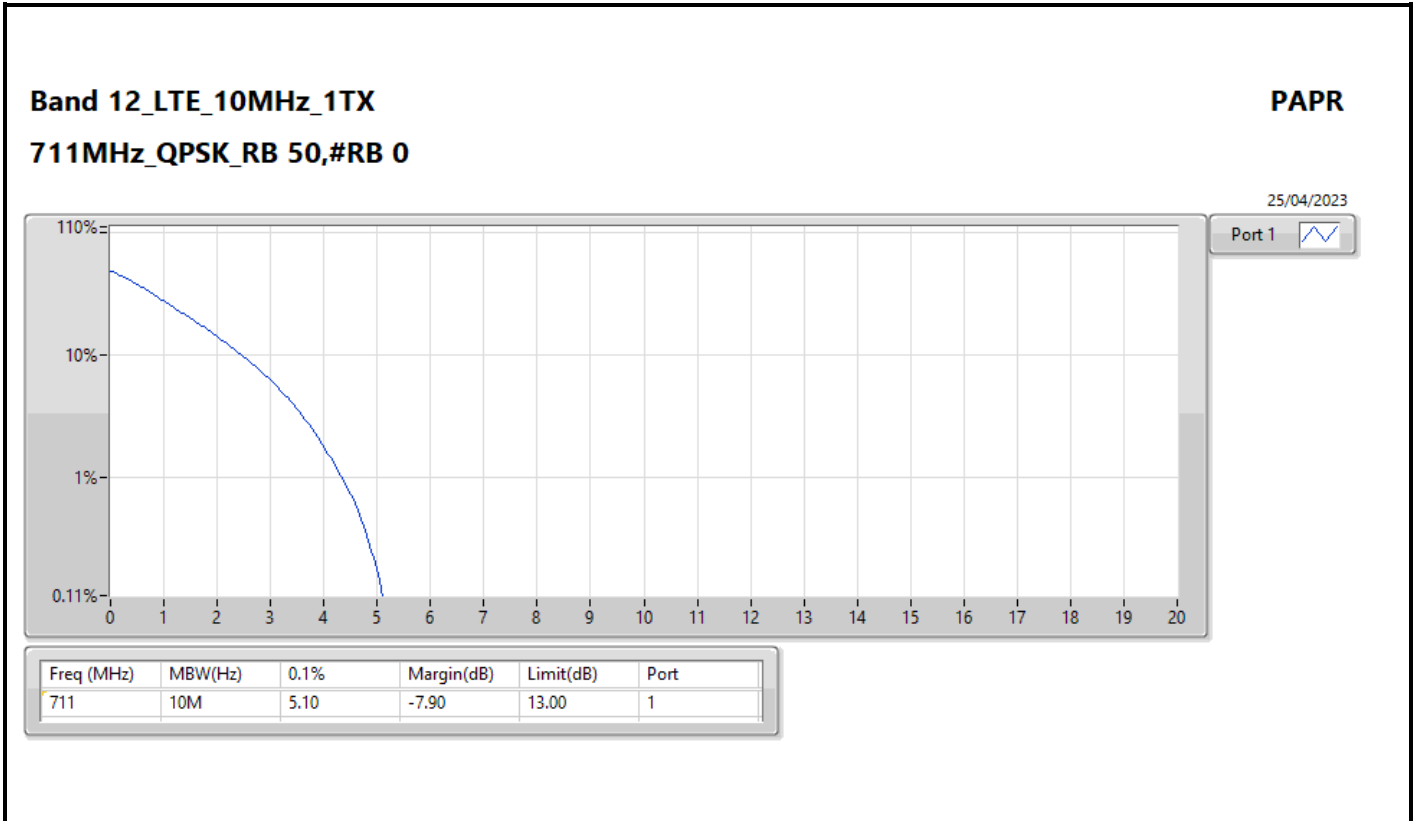
**Result**

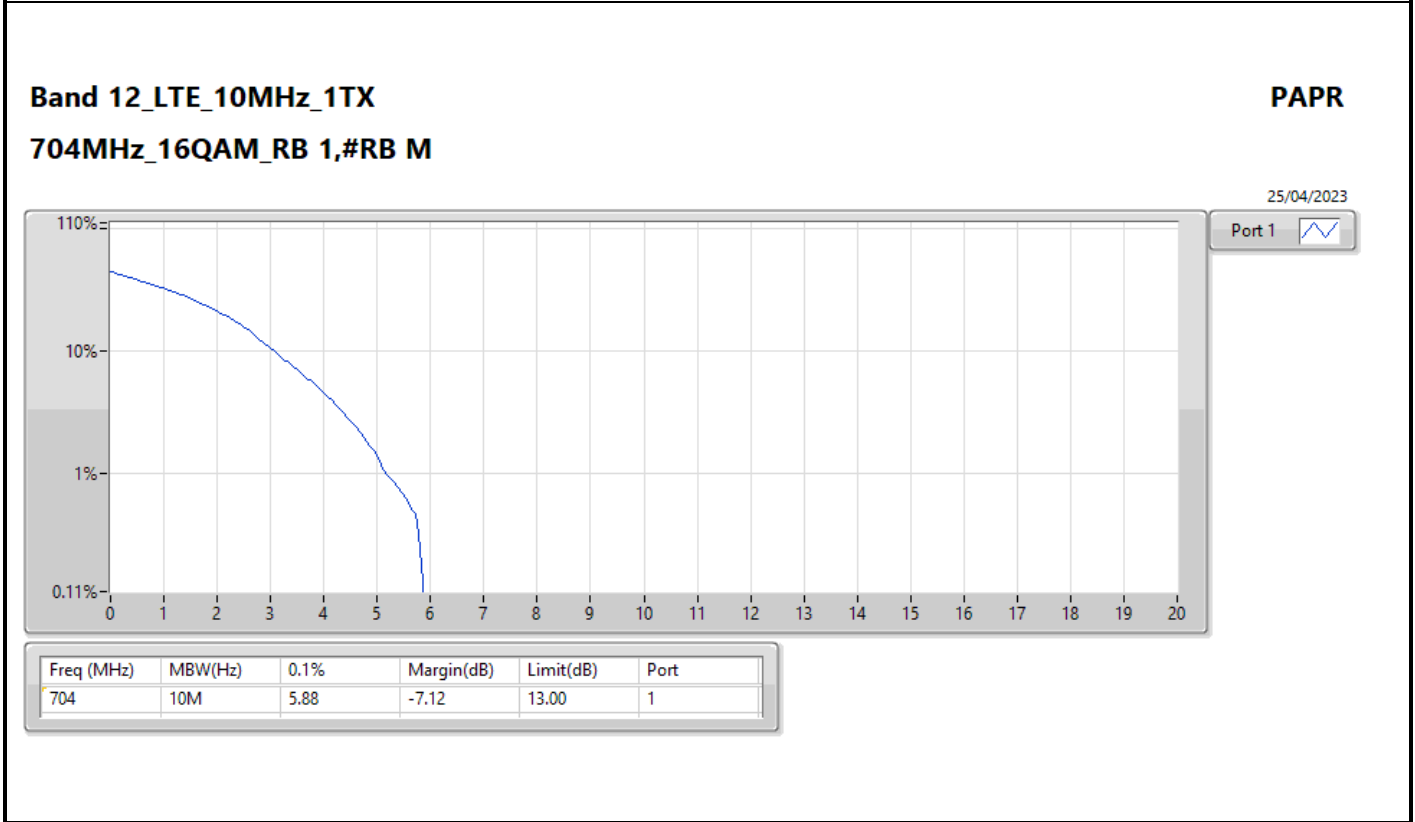
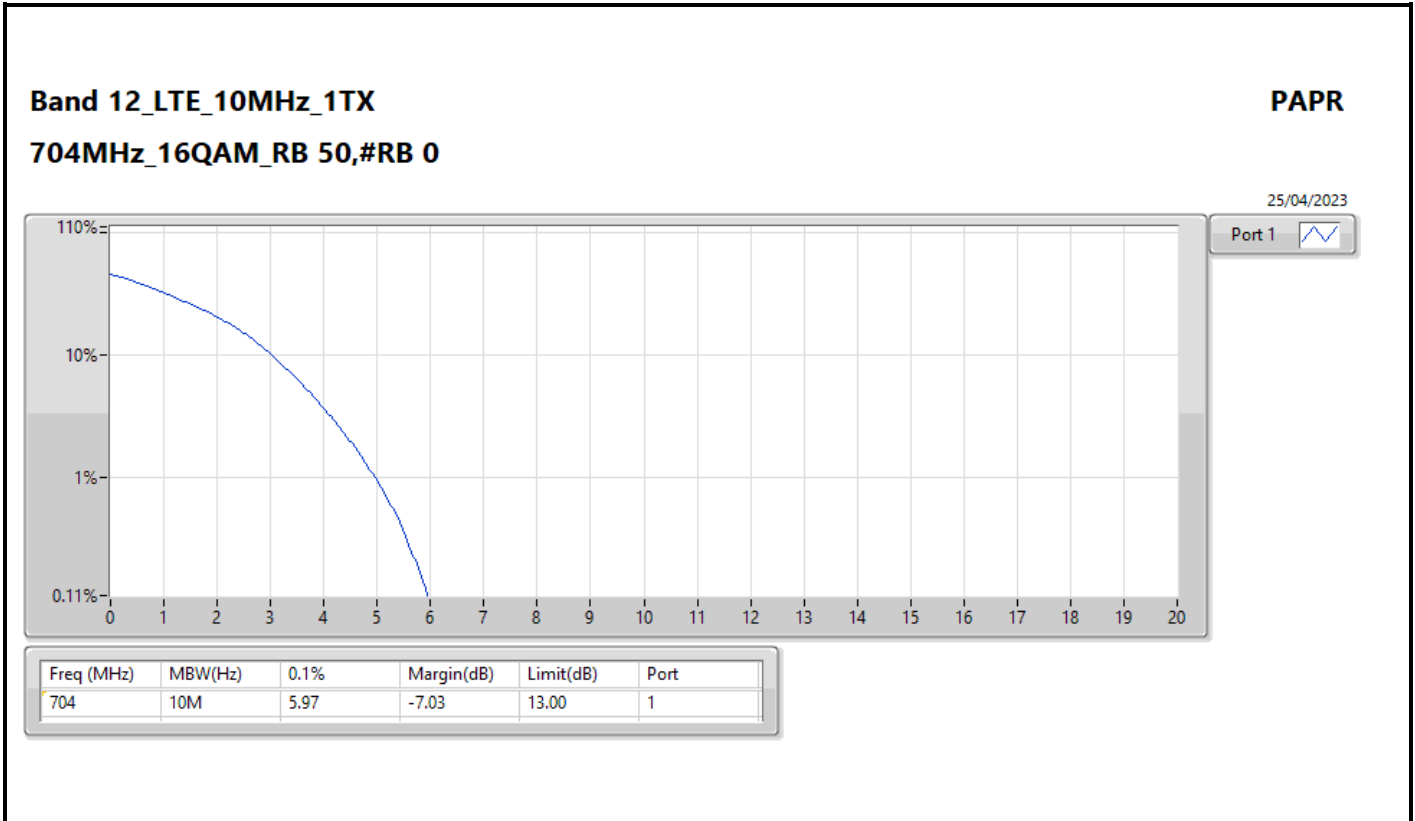
Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 12_LTE_10MHz_QPSK_1TX	-	-	-	-	-
704MHz_RB 50,#RB 0	Pass	704	13.00	5.04	1
704MHz_RB 1,#RB M	Pass	704	13.00	4.81	1
707.5MHz_RB 50,#RB 0	Pass	707.5	13.00	4.93	1
707.5MHz_RB 1,#RB M	Pass	707.5	13.00	4.67	1
711MHz_RB 50,#RB 0	Pass	711	13.00	5.10	1
711MHz_RB 1,#RB M	Pass	711	13.00	4.46	1
Band 12_LTE_10MHz_16QAM_1TX	-	-	-	-	-
704MHz_RB 50,#RB 0	Pass	704	13.00	5.97	1
704MHz_RB 1,#RB M	Pass	704	13.00	5.88	1
707.5MHz_RB 50,#RB 0	Pass	707.5	13.00	5.94	1
707.5MHz_RB 1,#RB M	Pass	707.5	13.00	5.59	1
711MHz_RB 50,#RB 0	Pass	711	13.00	5.97	1
711MHz_RB 1,#RB M	Pass	711	13.00	5.42	1
Band 12_LTE_10MHz_64QAM_1TX	-	-	-	-	-
704MHz_RB 50,#RB 0	Pass	704	13.00	6.03	1
704MHz_RB 1,#RB M	Pass	704	13.00	5.42	1
707.5MHz_RB 50,#RB 0	Pass	707.5	13.00	5.94	1
707.5MHz_RB 1,#RB M	Pass	707.5	13.00	5.54	1
711MHz_RB 50,#RB 0	Pass	711	13.00	5.97	1
711MHz_RB 1,#RB M	Pass	711	13.00	5.10	1

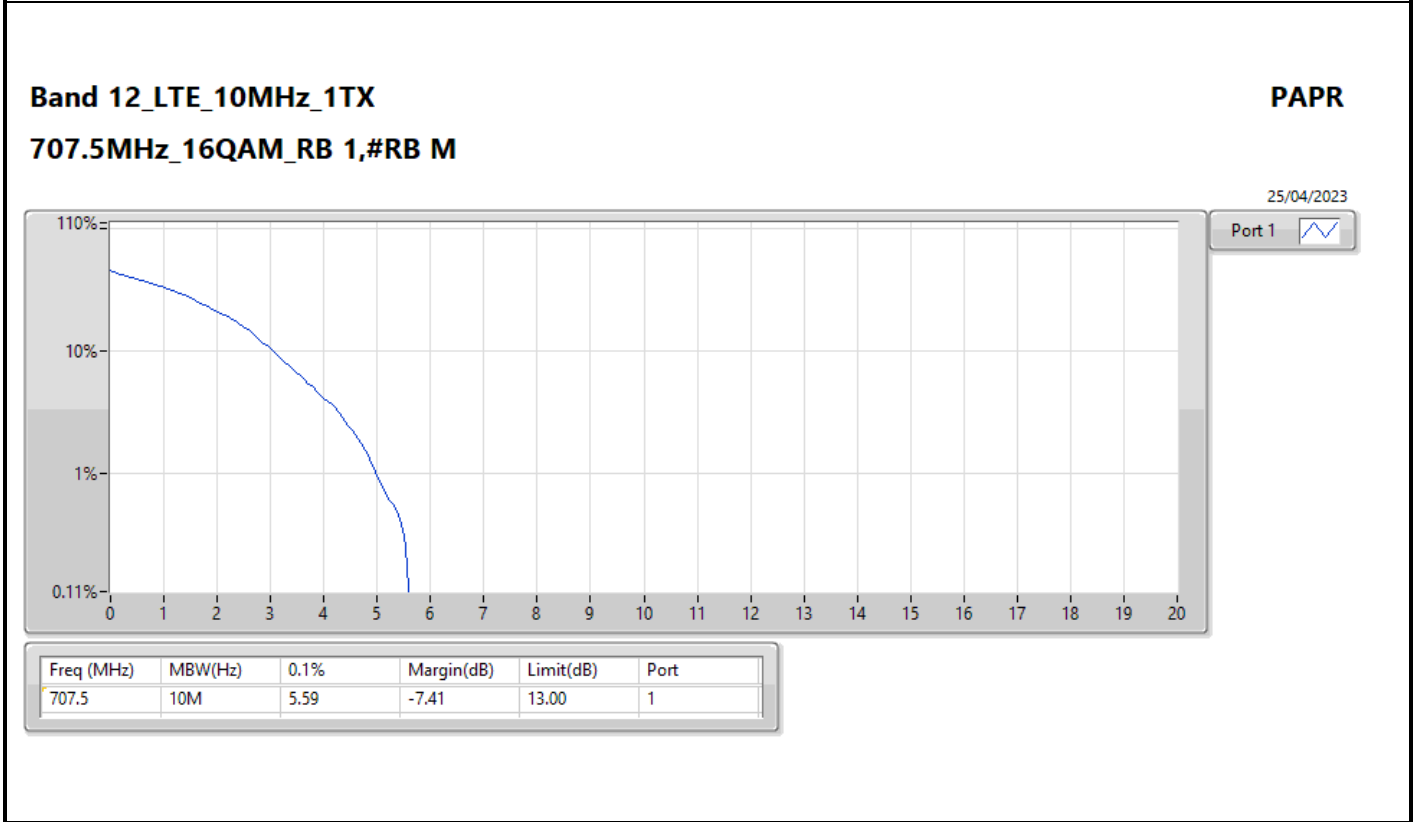
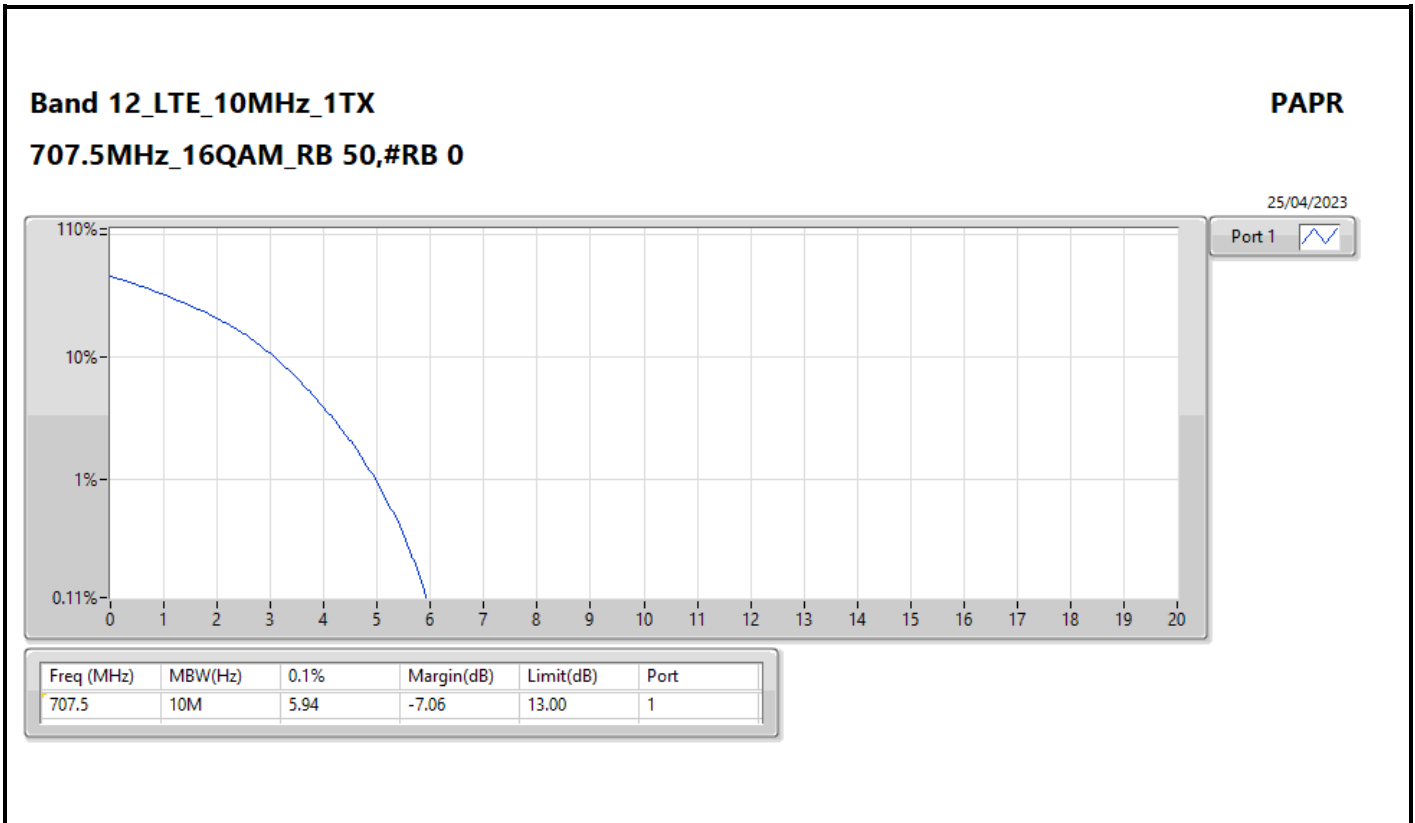


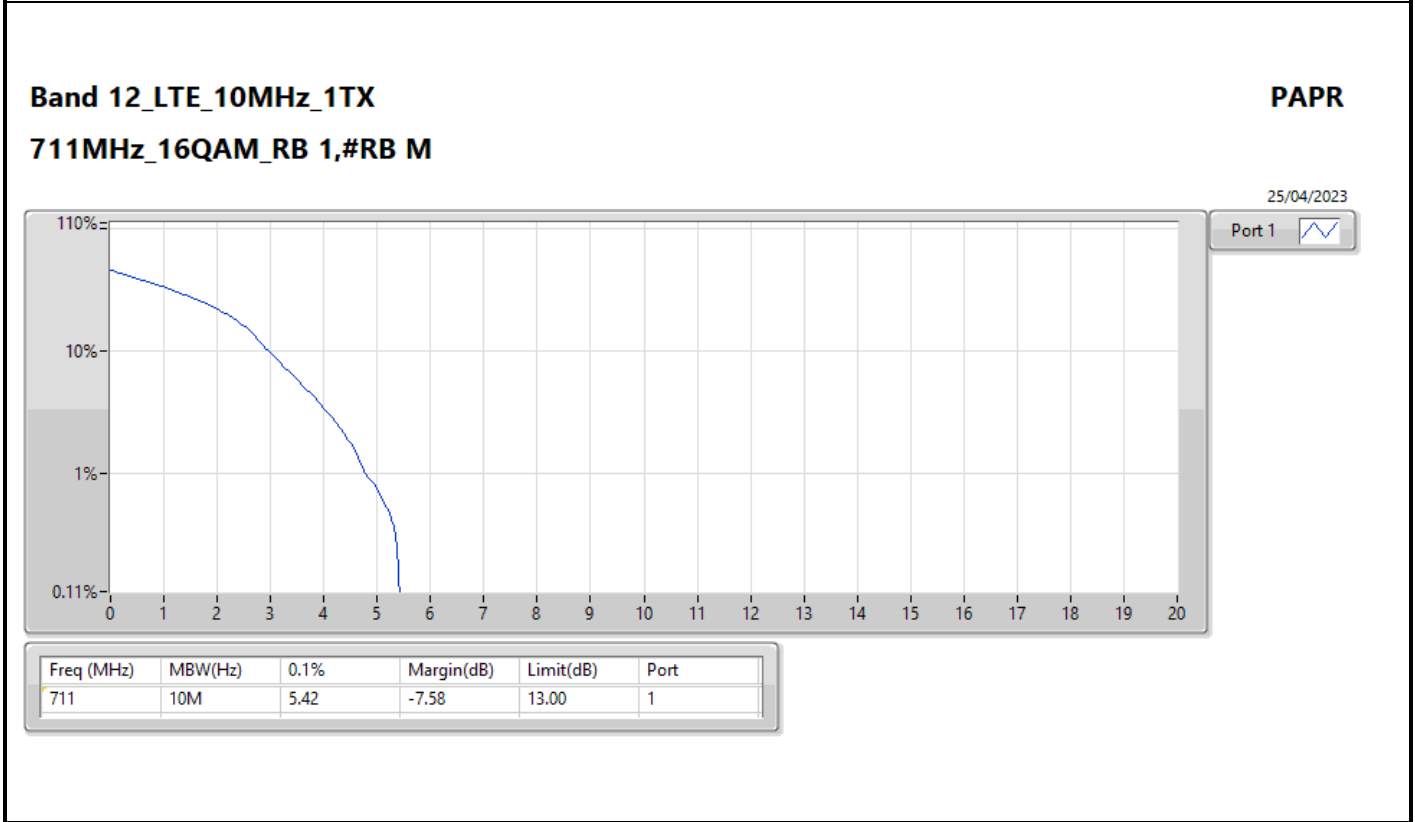
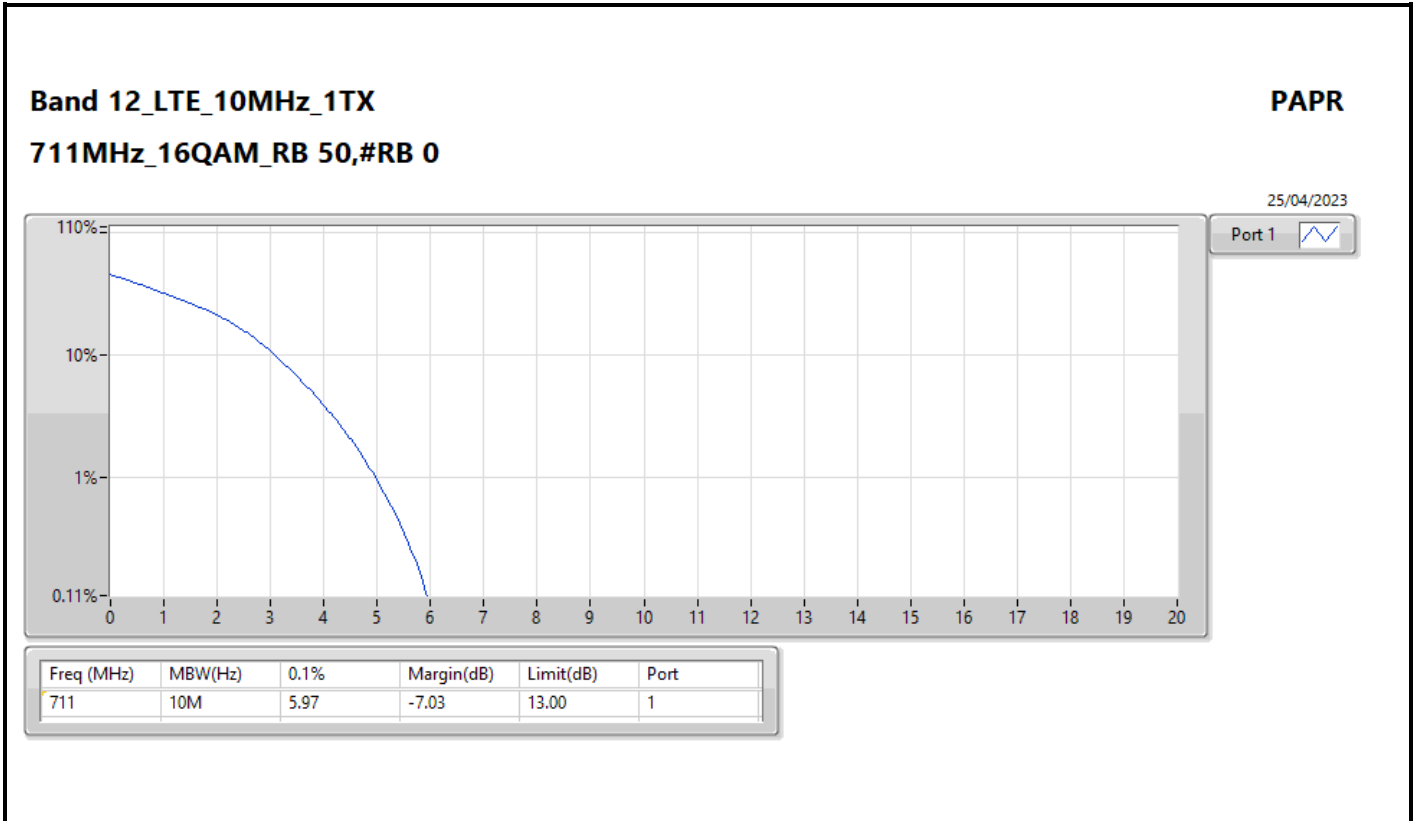


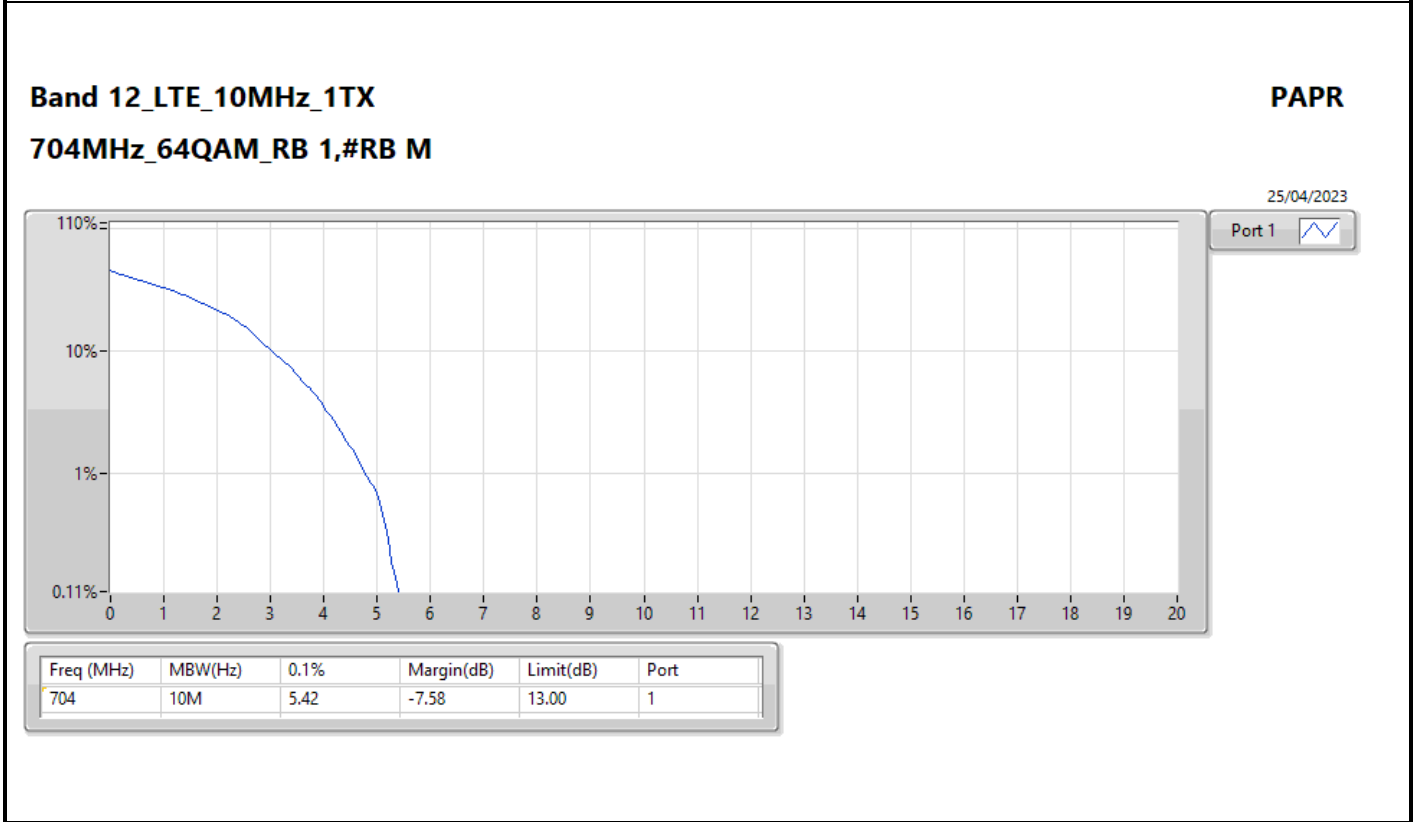
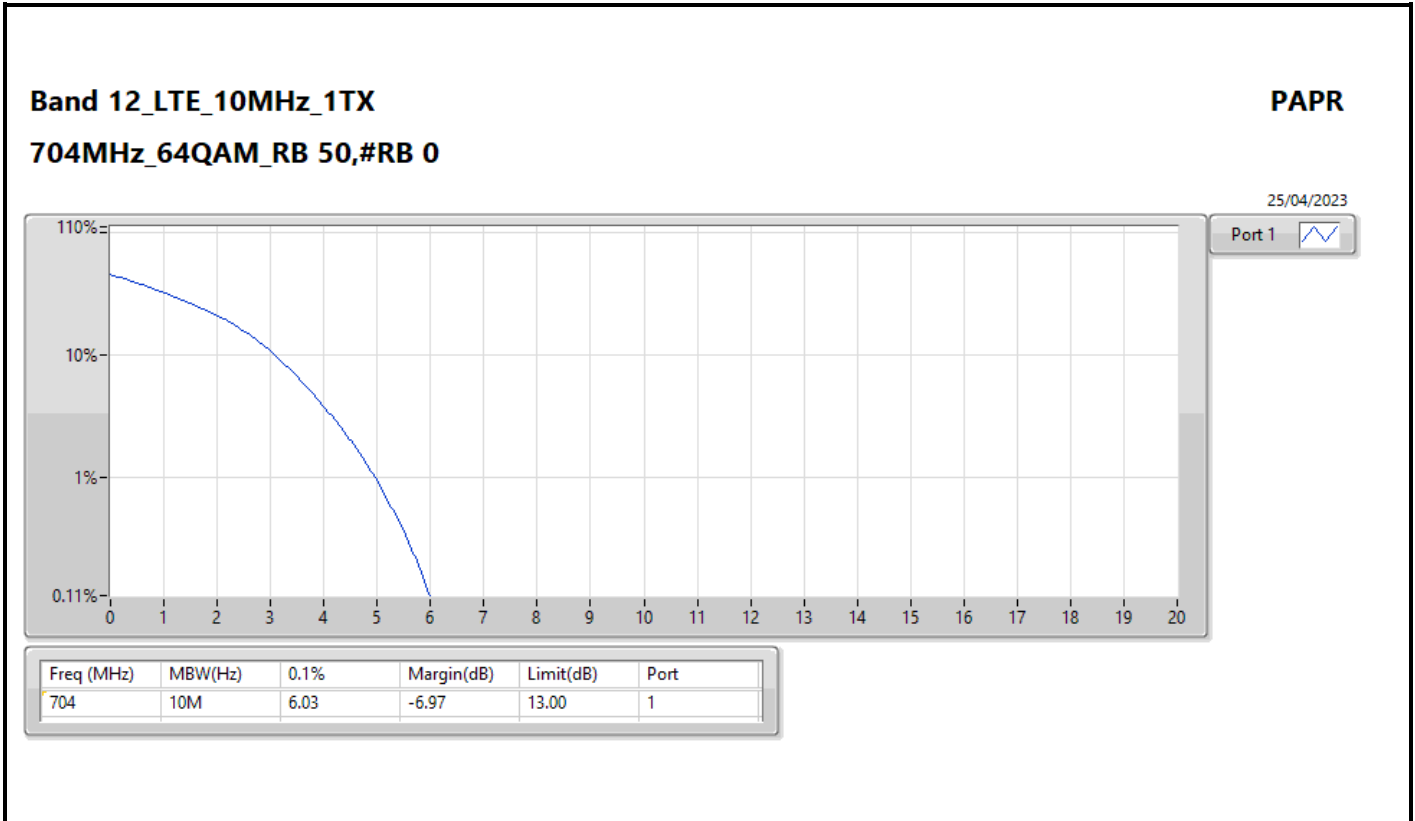


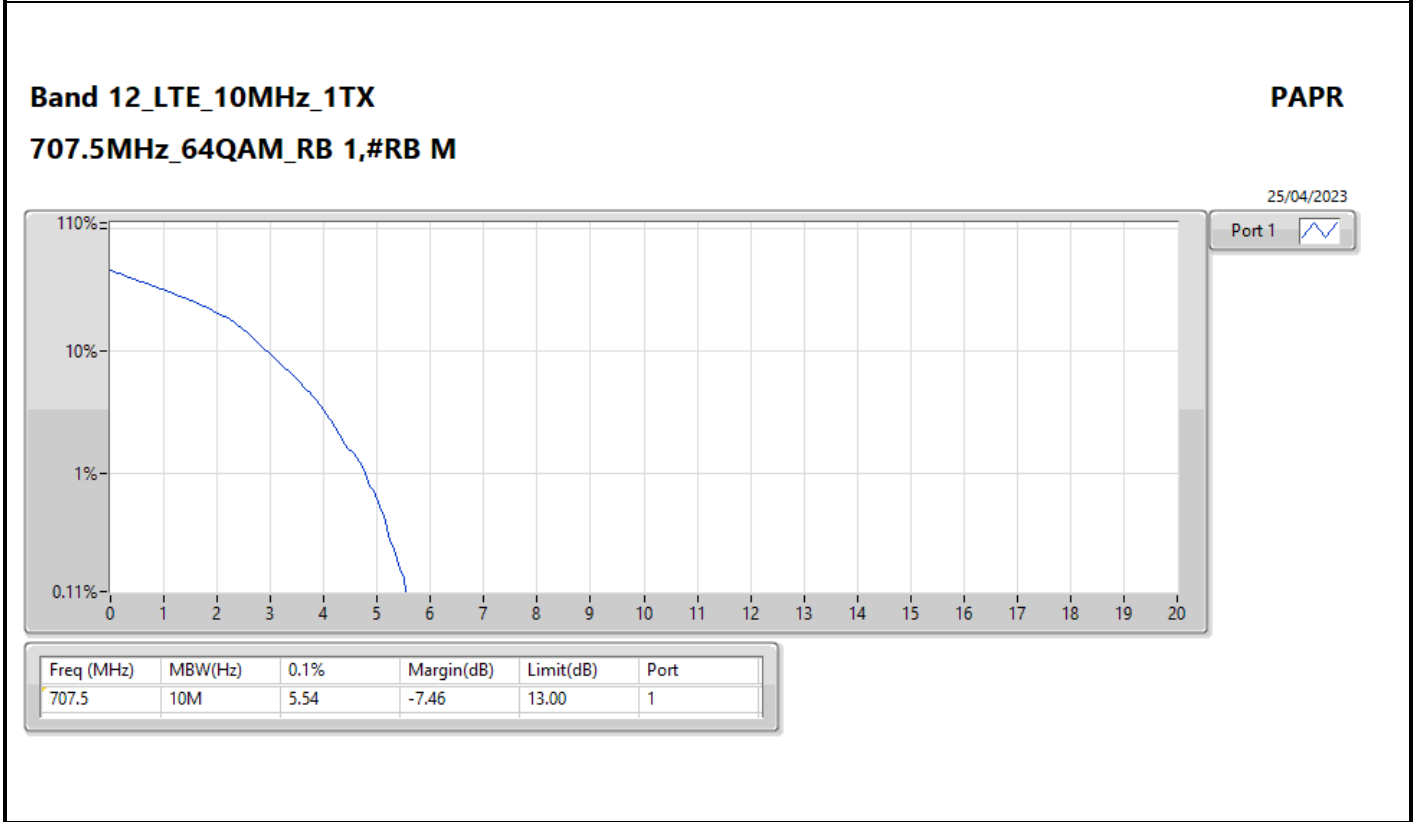
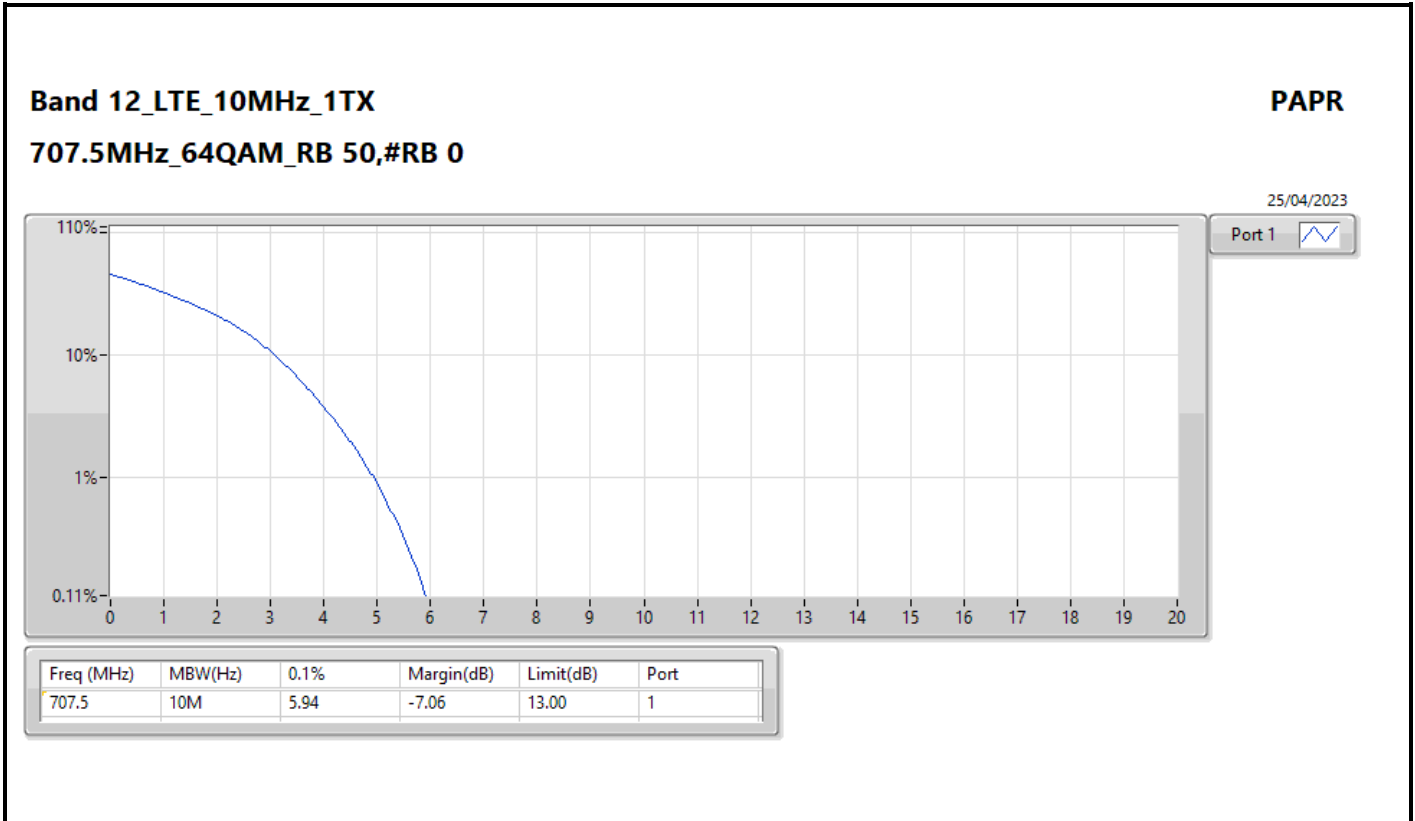




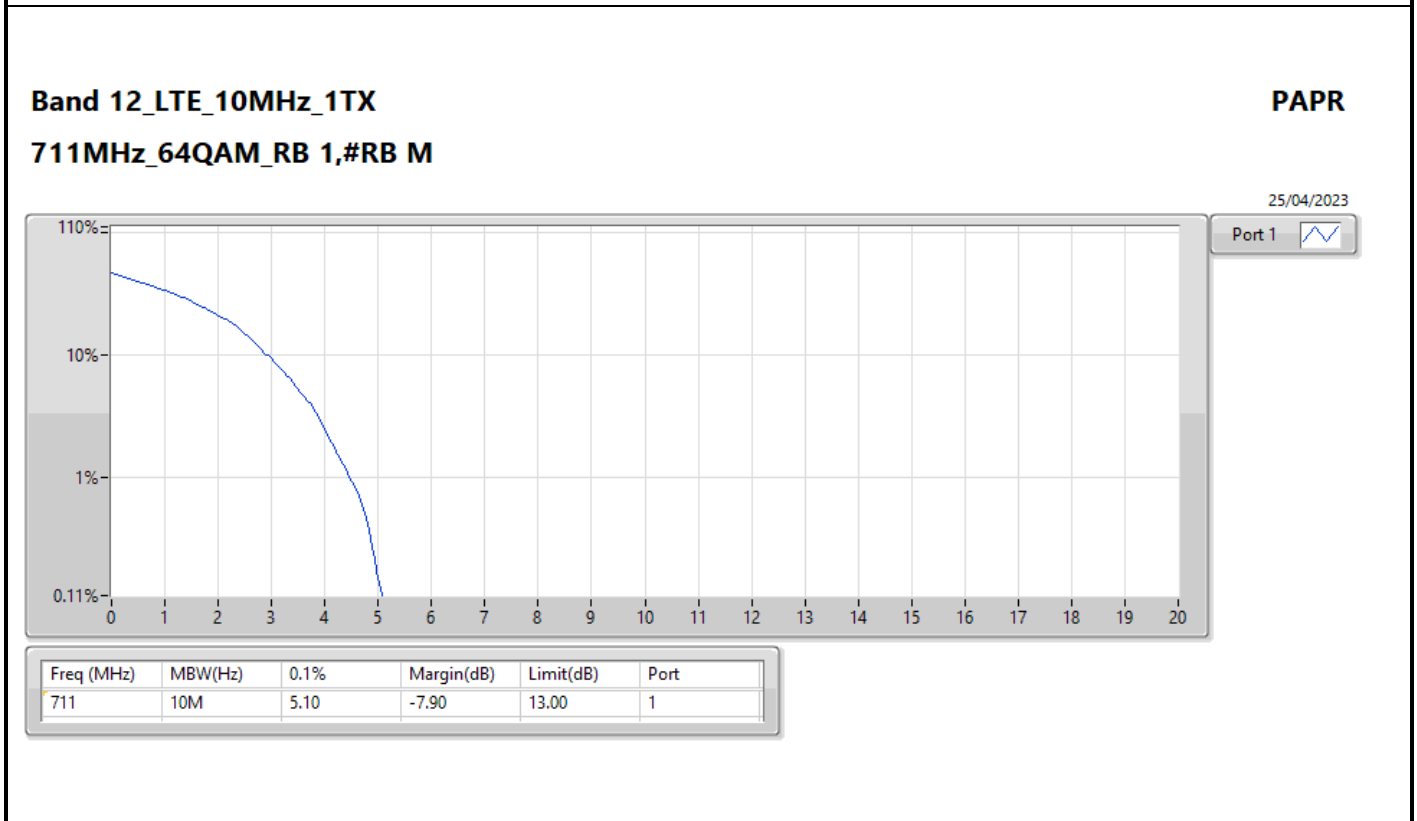
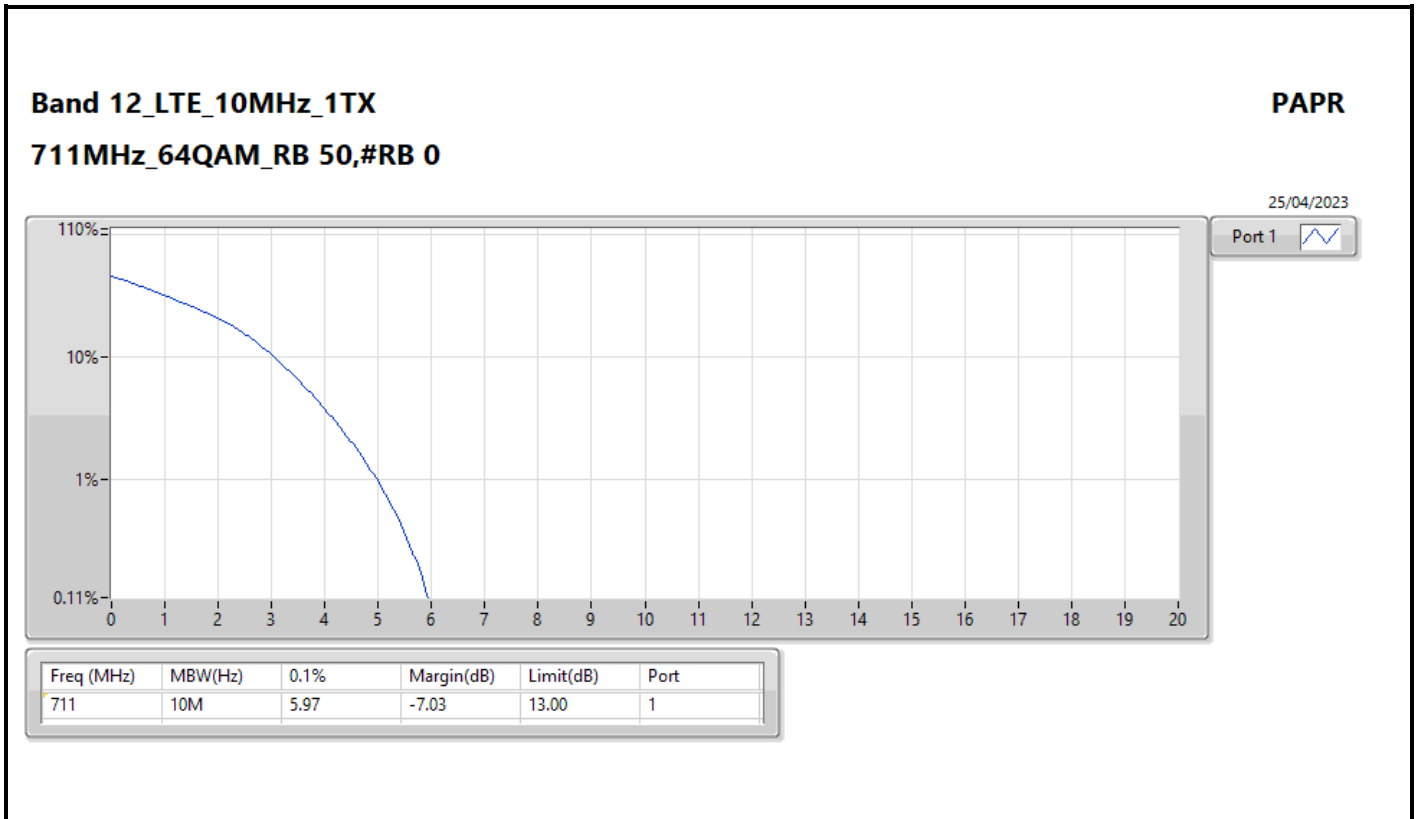














**Peak to Average Power Ratio (PAPR)  
(Mode 9: LTE Band 13)**

**Appendix B.9**

**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 13	-	-	-	-	-
LTE_10MHz_QPSK_1TX	Pass	782	13.00	5.22	1
LTE_10MHz_16QAM_1TX	Pass	782	13.00	6.20	1
LTE_10MHz_64QAM_1TX	Pass	782	13.00	6.14	1

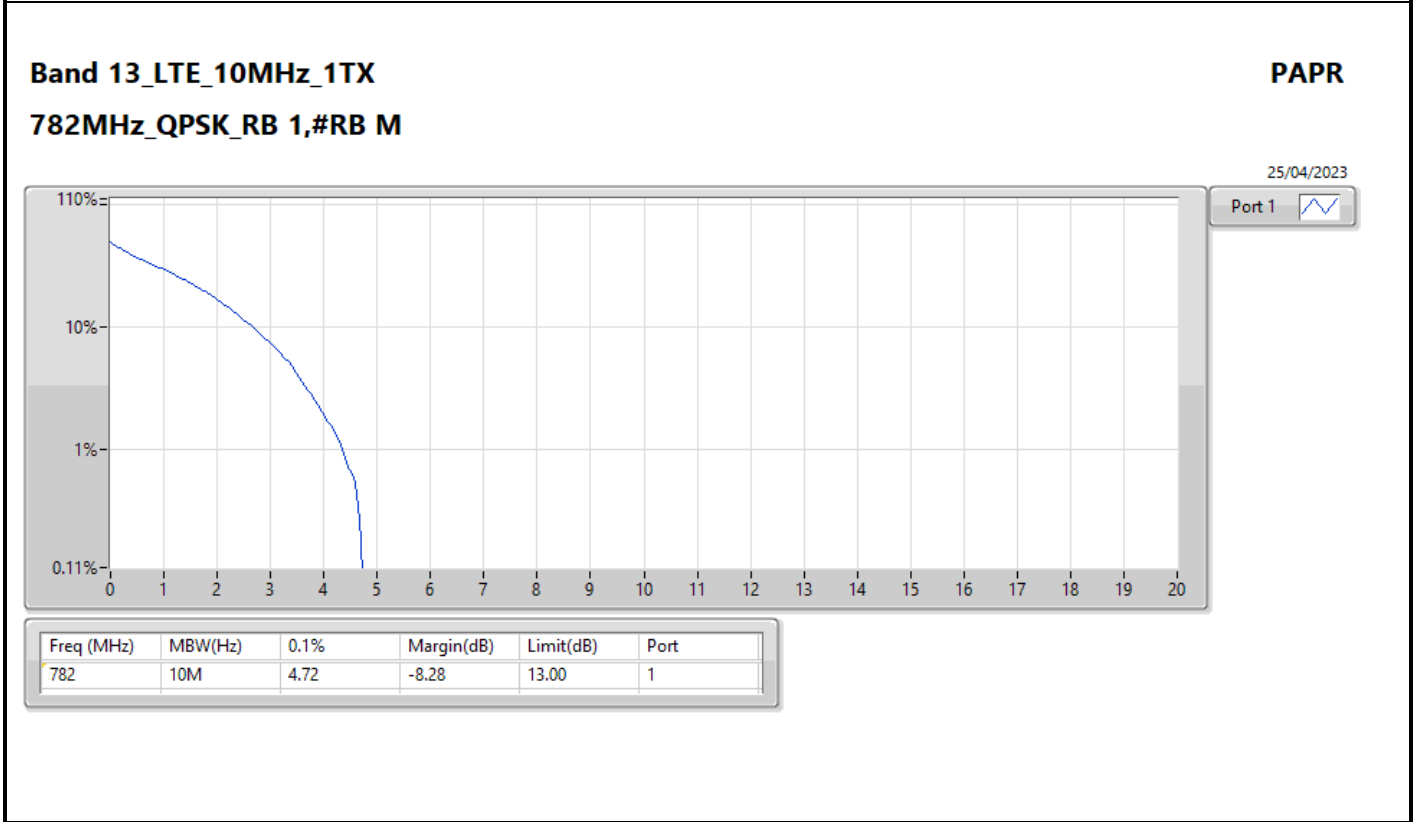
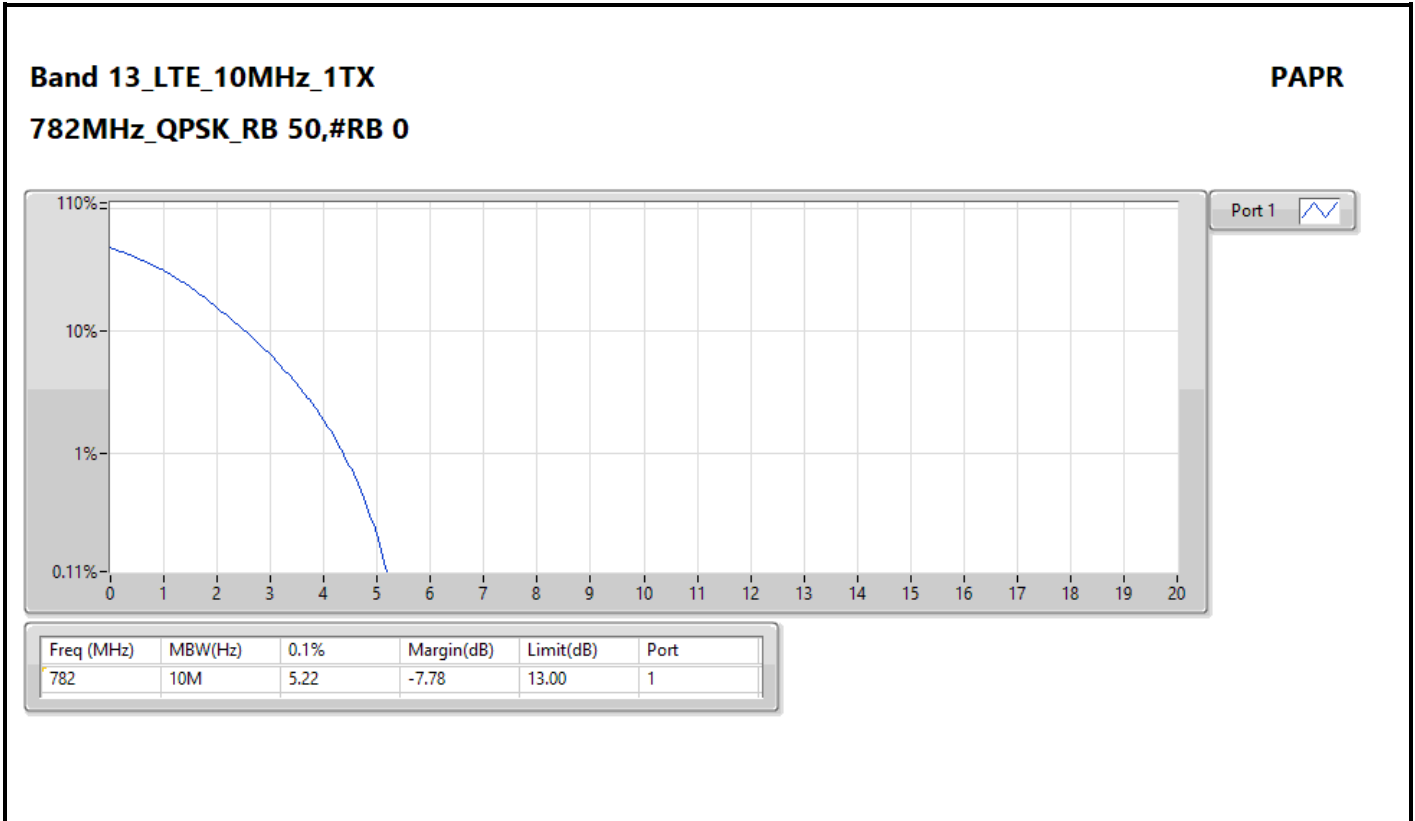


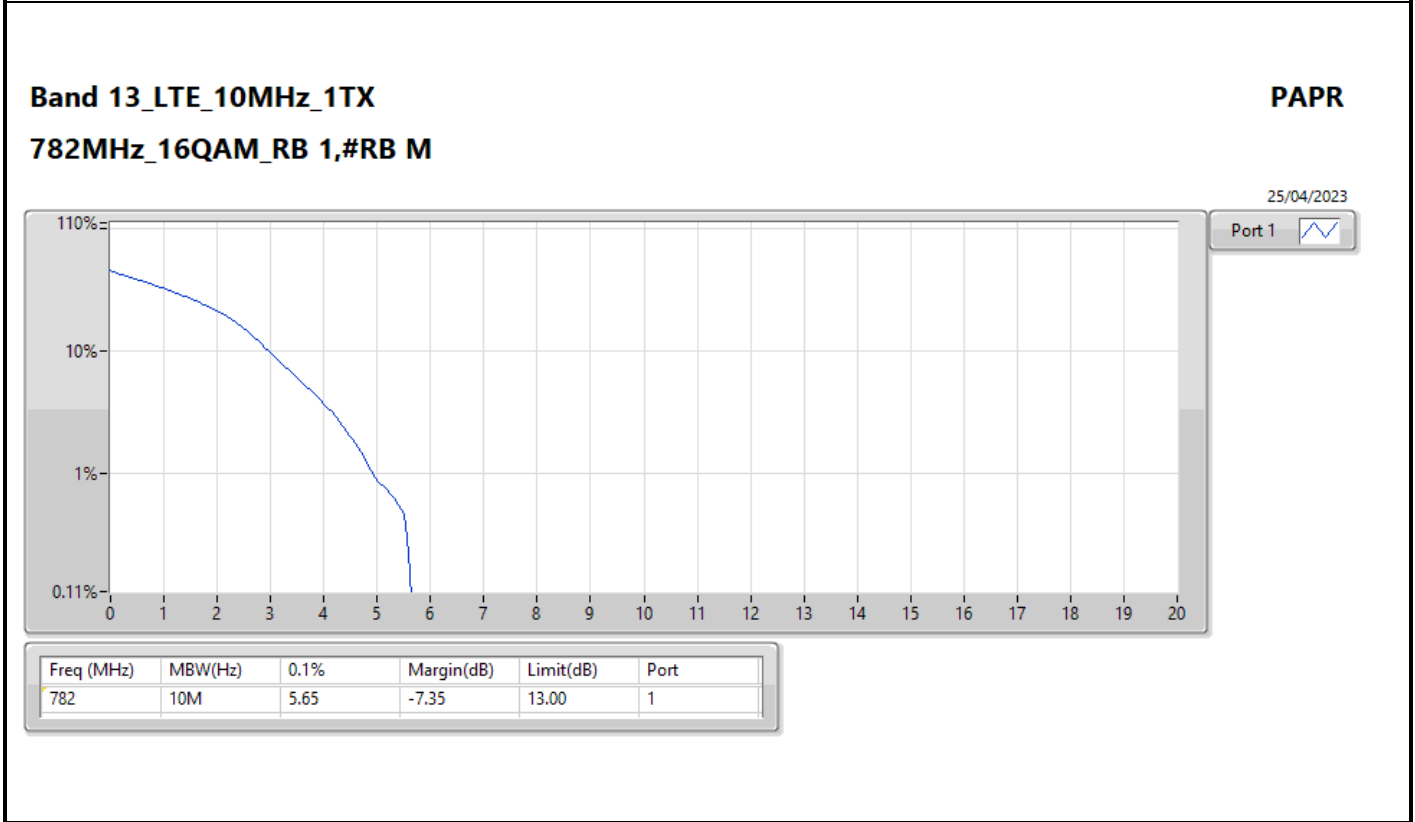
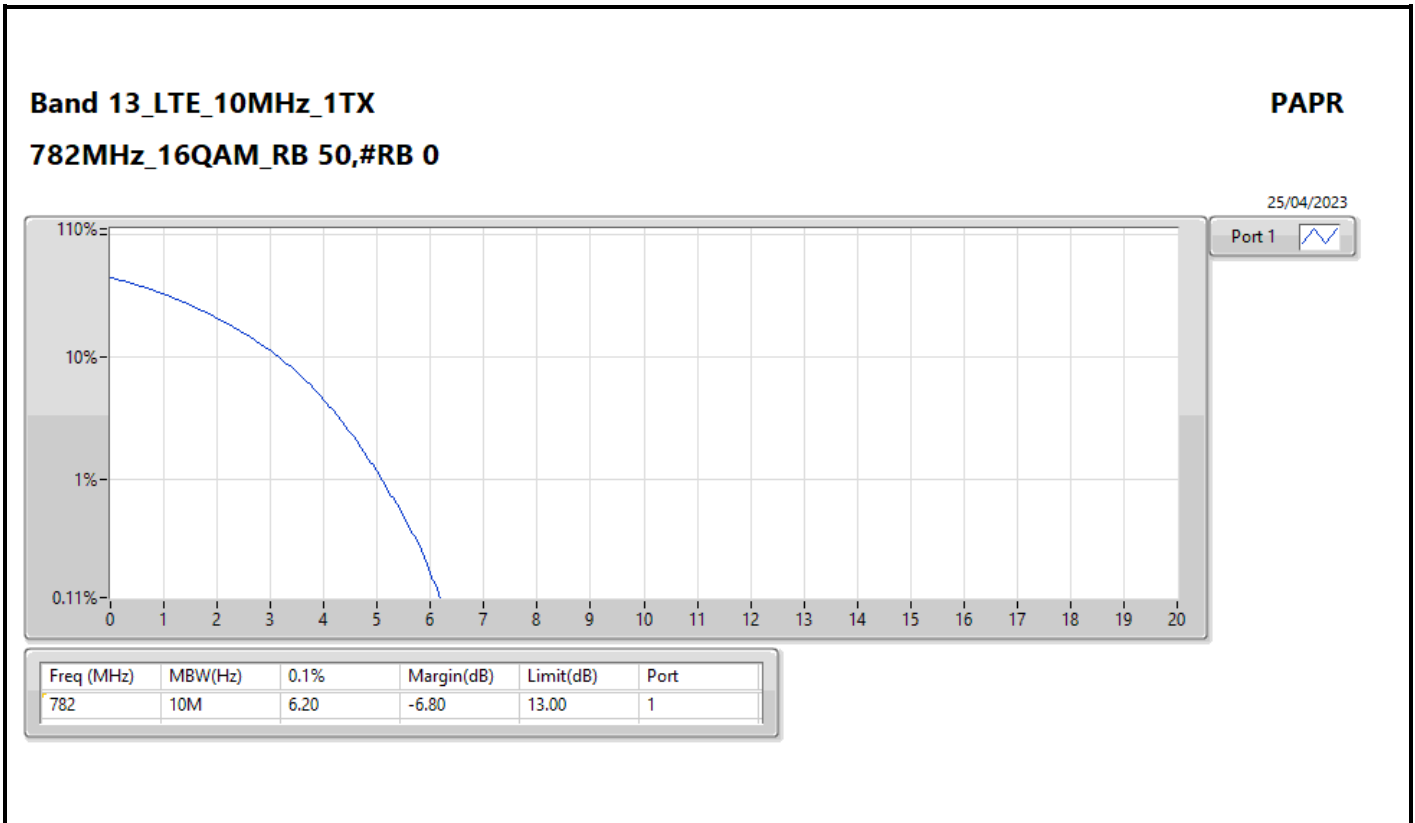
**Peak to Average Power Ratio (PAPR)  
(Mode 9: LTE Band 13)**

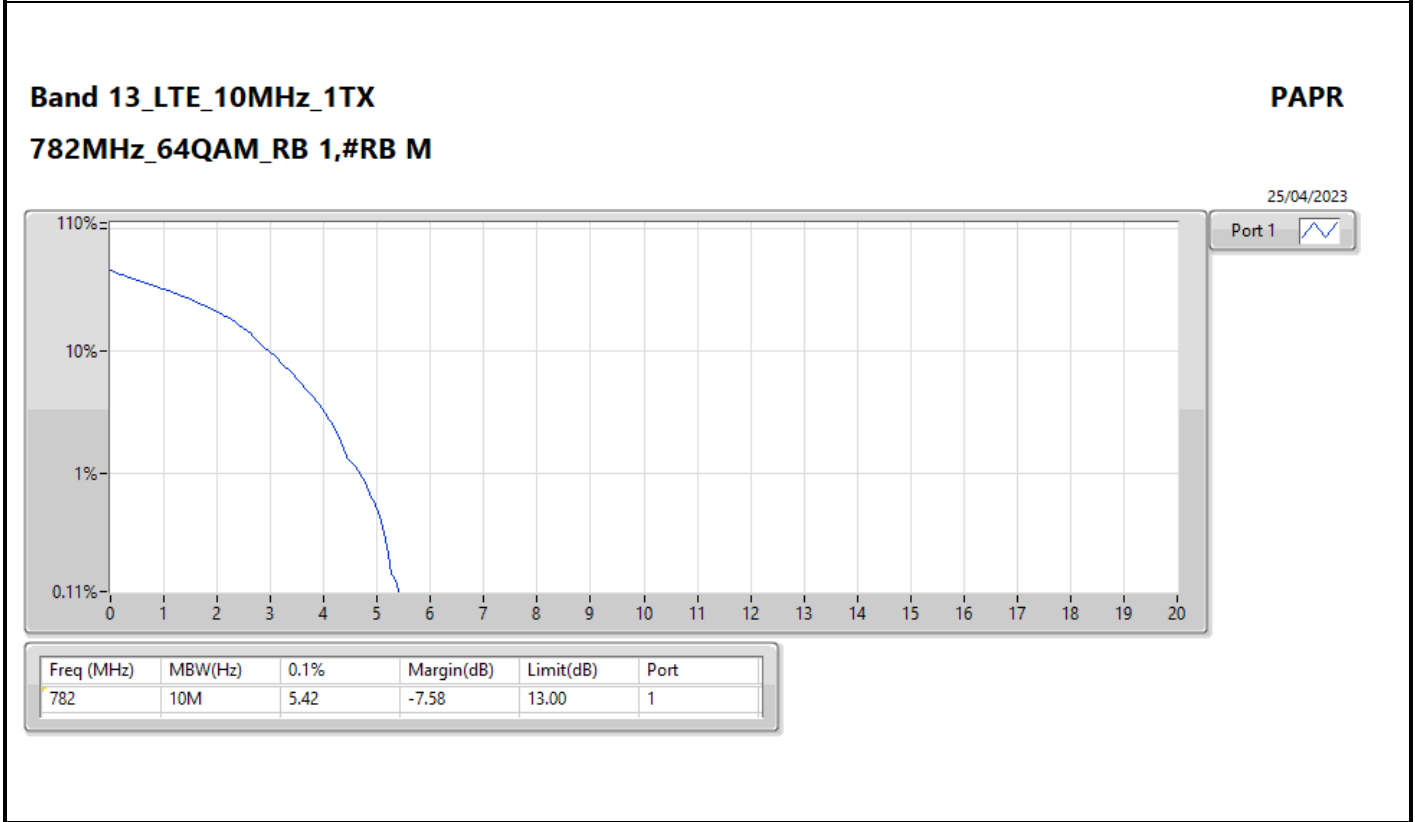
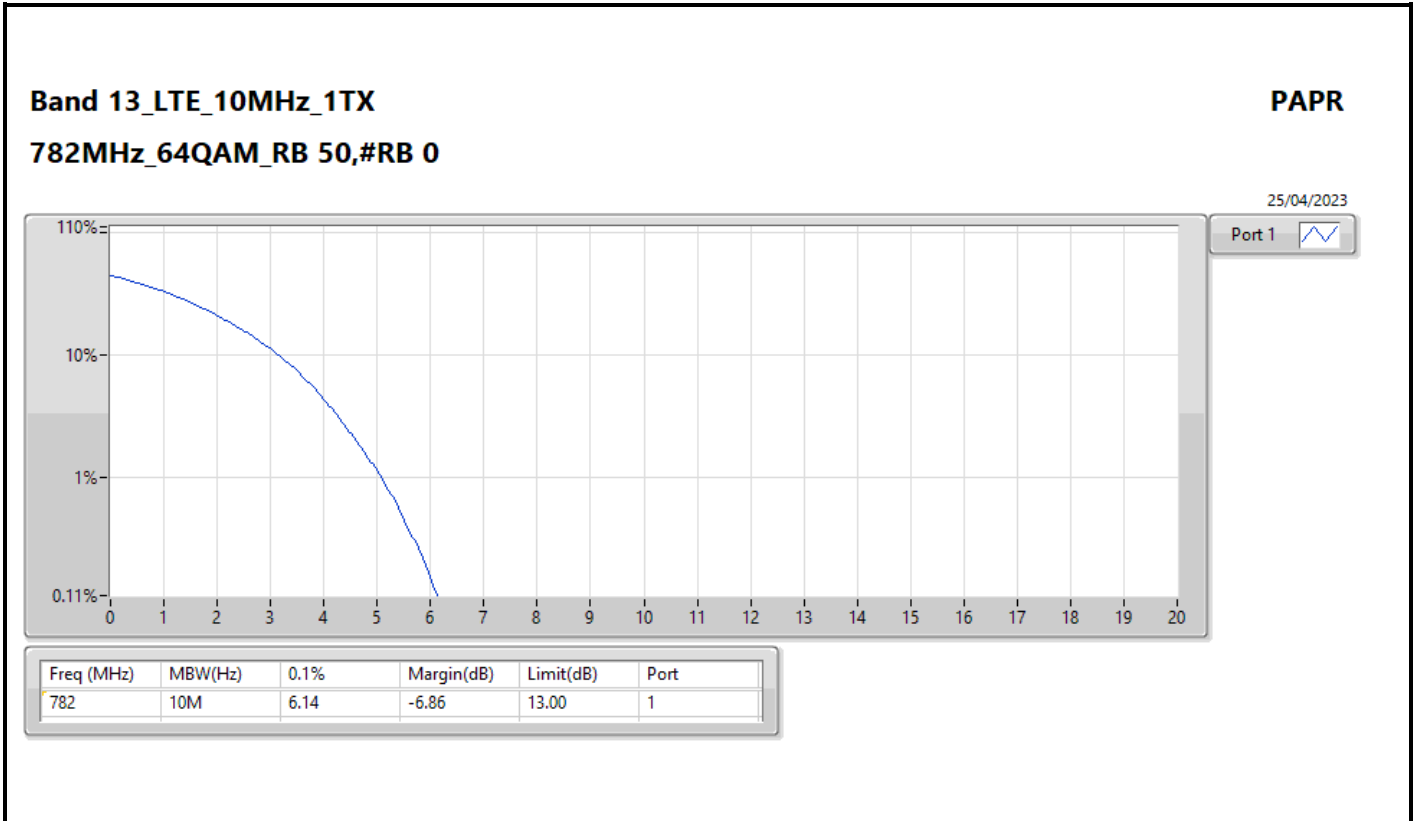
**Appendix B.9**

**Result**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 13_LTE_10MHz_QPSK_1TX	-	-	-	-	-
782MHz_RB 50,#RB 0	Pass	782	13.00	5.22	1
782MHz_RB 1,#RB M	Pass	782	13.00	4.72	1
Band 13_LTE_10MHz_16QAM_1TX	-	-	-	-	-
782MHz_RB 50,#RB 0	Pass	782	13.00	6.20	1
782MHz_RB 1,#RB M	Pass	782	13.00	5.65	1
Band 13_LTE_10MHz_64QAM_1TX	-	-	-	-	-
782MHz_RB 50,#RB 0	Pass	782	13.00	6.14	1
782MHz_RB 1,#RB M	Pass	782	13.00	5.42	1









**Peak to Average Power Ratio (PAPR)  
(Mode 10: LTE Band 17)**

**Appendix B.10**

**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 17	-	-	-	-	-
LTE_10MHz_QPSK_1TX	Pass	711	13.00	5.25	1
LTE_10MHz_16QAM_1TX	Pass	709	13.00	6.09	1
LTE_10MHz_64QAM_1TX	Pass	710	13.00	6.12	1



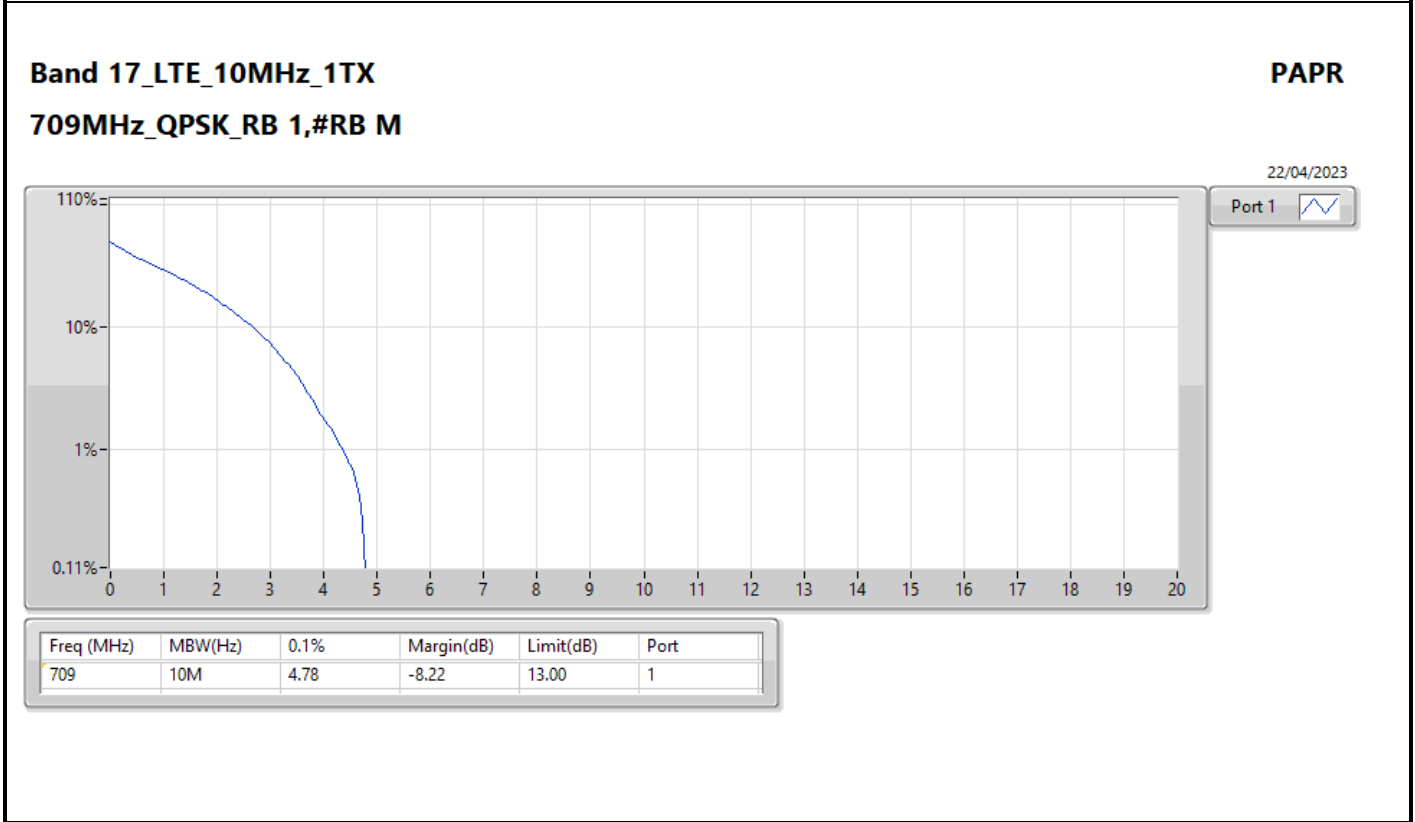
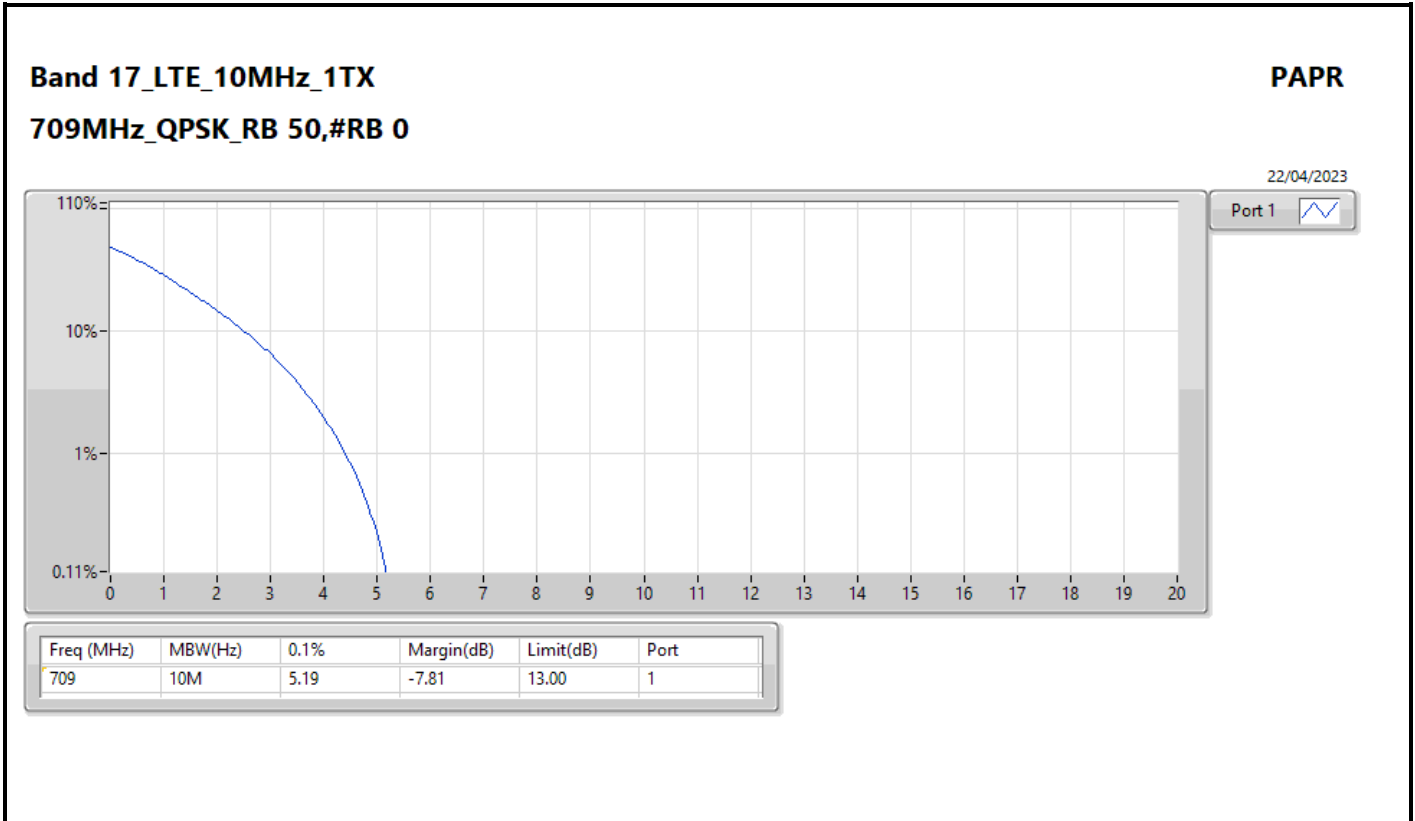
**Peak to Average Power Ratio (PAPR)  
(Mode 10: LTE Band 17)**

**Appendix B.10**

**Result**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 17_LTE_10MHz_QPSK_1TX	-	-	-	-	-
709MHz_RB 50,#RB 0	Pass	709	13.00	5.19	1
709MHz_RB 1,#RB M	Pass	709	13.00	4.78	1
710MHz_RB 50,#RB 0	Pass	710	13.00	5.22	1
710MHz_RB 1,#RB M	Pass	710	13.00	4.75	1
711MHz_RB 50,#RB 0	Pass	711	13.00	5.25	1
711MHz_RB 1,#RB M	Pass	711	13.00	4.72	1
Band 17_LTE_10MHz_16QAM_1TX	-	-	-	-	-
709MHz_RB 50,#RB 0	Pass	709	13.00	6.09	1
709MHz_RB 1,#RB M	Pass	709	13.00	5.54	1
710MHz_RB 50,#RB 0	Pass	710	13.00	6.09	1
710MHz_RB 1,#RB M	Pass	710	13.00	5.45	1
711MHz_RB 50,#RB 0	Pass	711	13.00	6.09	1
711MHz_RB 1,#RB M	Pass	711	13.00	5.57	1
Band 17_LTE_10MHz_64QAM_1TX	-	-	-	-	-
709MHz_RB 50,#RB 0	Pass	709	13.00	6.06	1
709MHz_RB 1,#RB M	Pass	709	13.00	5.51	1
710MHz_RB 50,#RB 0	Pass	710	13.00	6.12	1
710MHz_RB 1,#RB M	Pass	710	13.00	5.45	1
711MHz_RB 50,#RB 0	Pass	711	13.00	6.12	1
711MHz_RB 1,#RB M	Pass	711	13.00	5.59	1



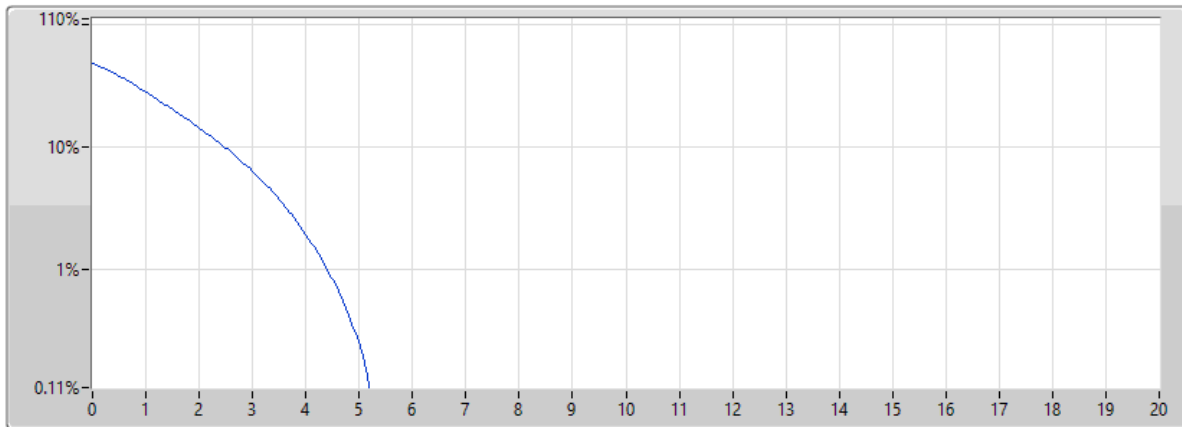



**Band 17\_LTE\_10MHz\_1TX**

**PAPR**

**710MHz\_QPSK\_RB 50,#RB 0**

22/04/2023



Port 1 

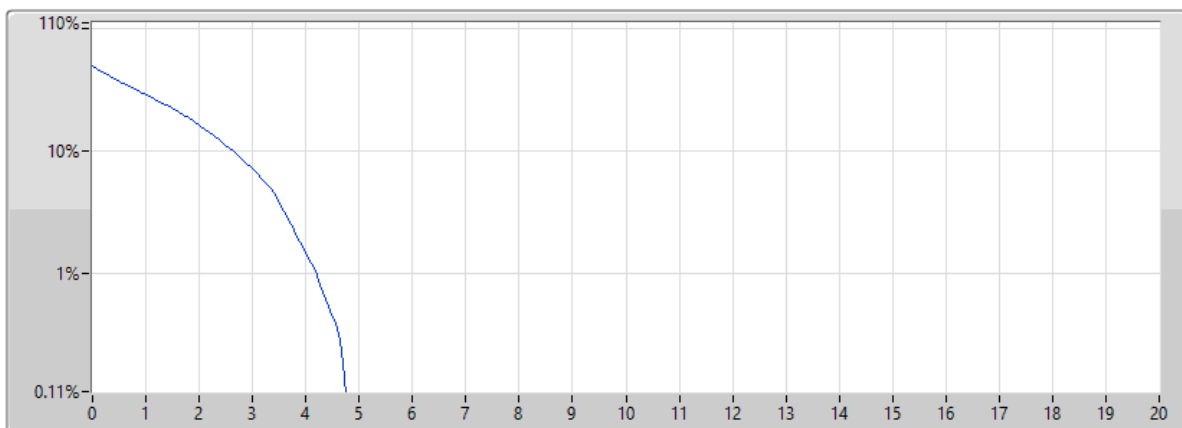
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
710	10M	5.22	-7.78	13.00	1


**Band 17\_LTE\_10MHz\_1TX**

**PAPR**

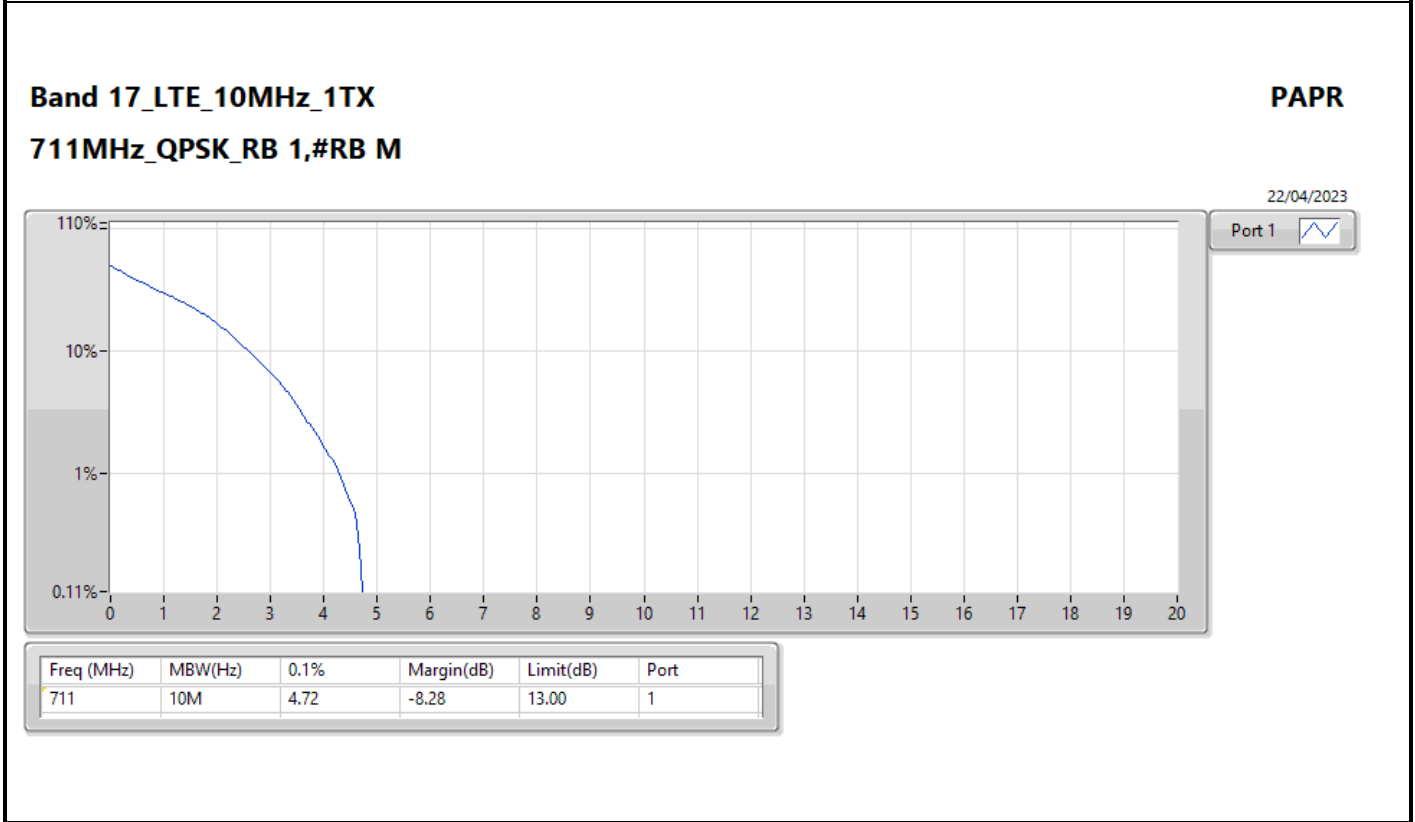
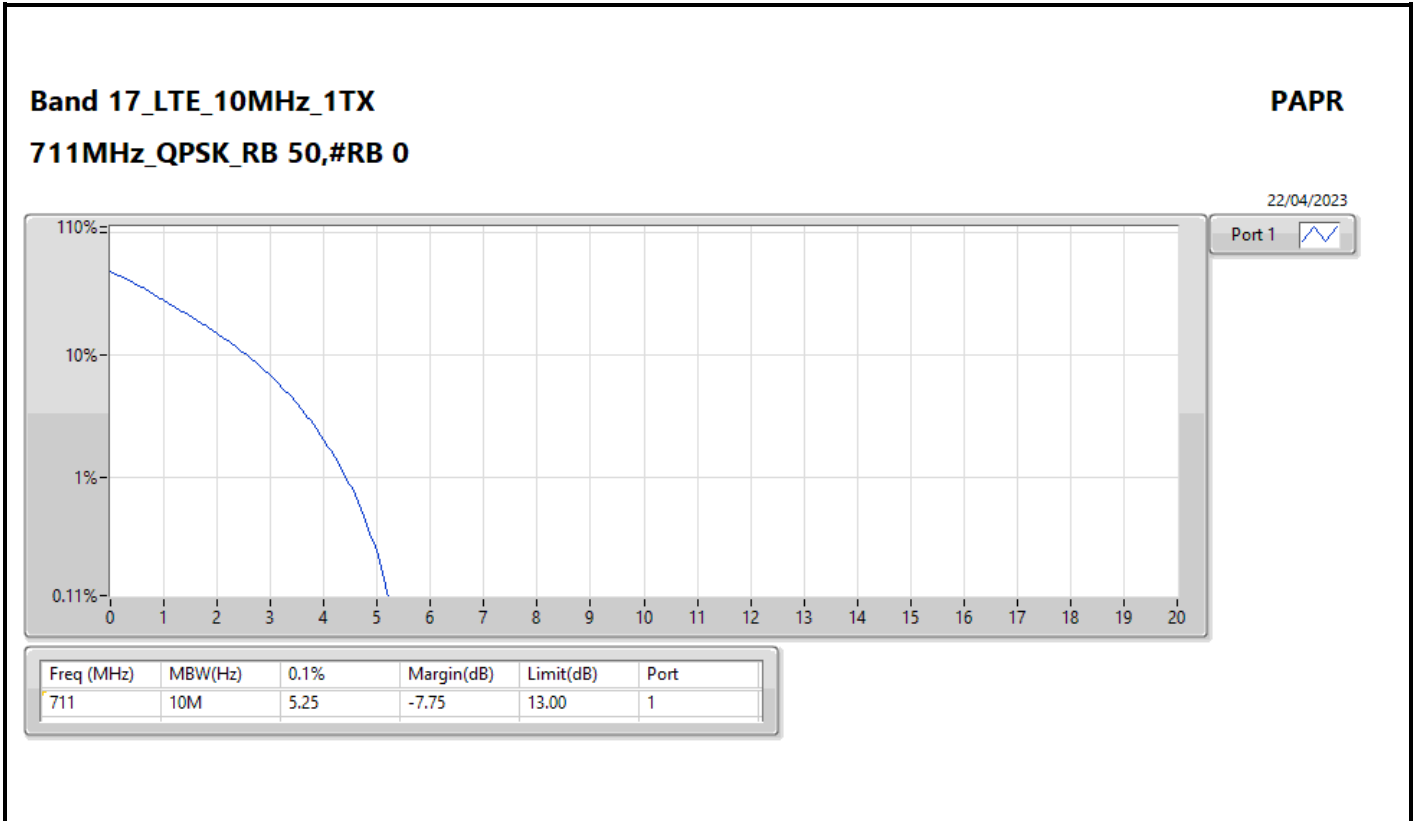
**710MHz\_QPSK\_RB 1,#RB M**

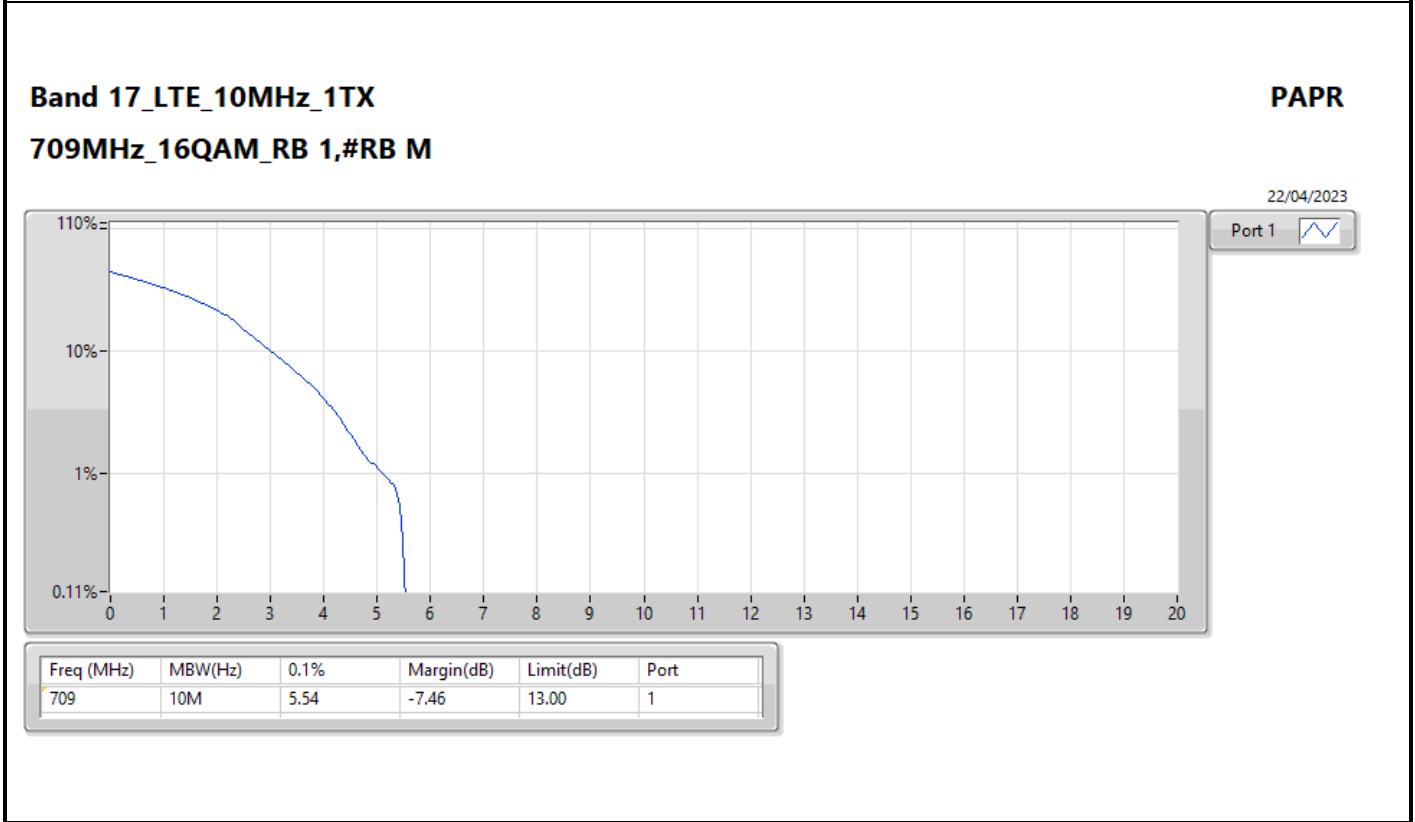
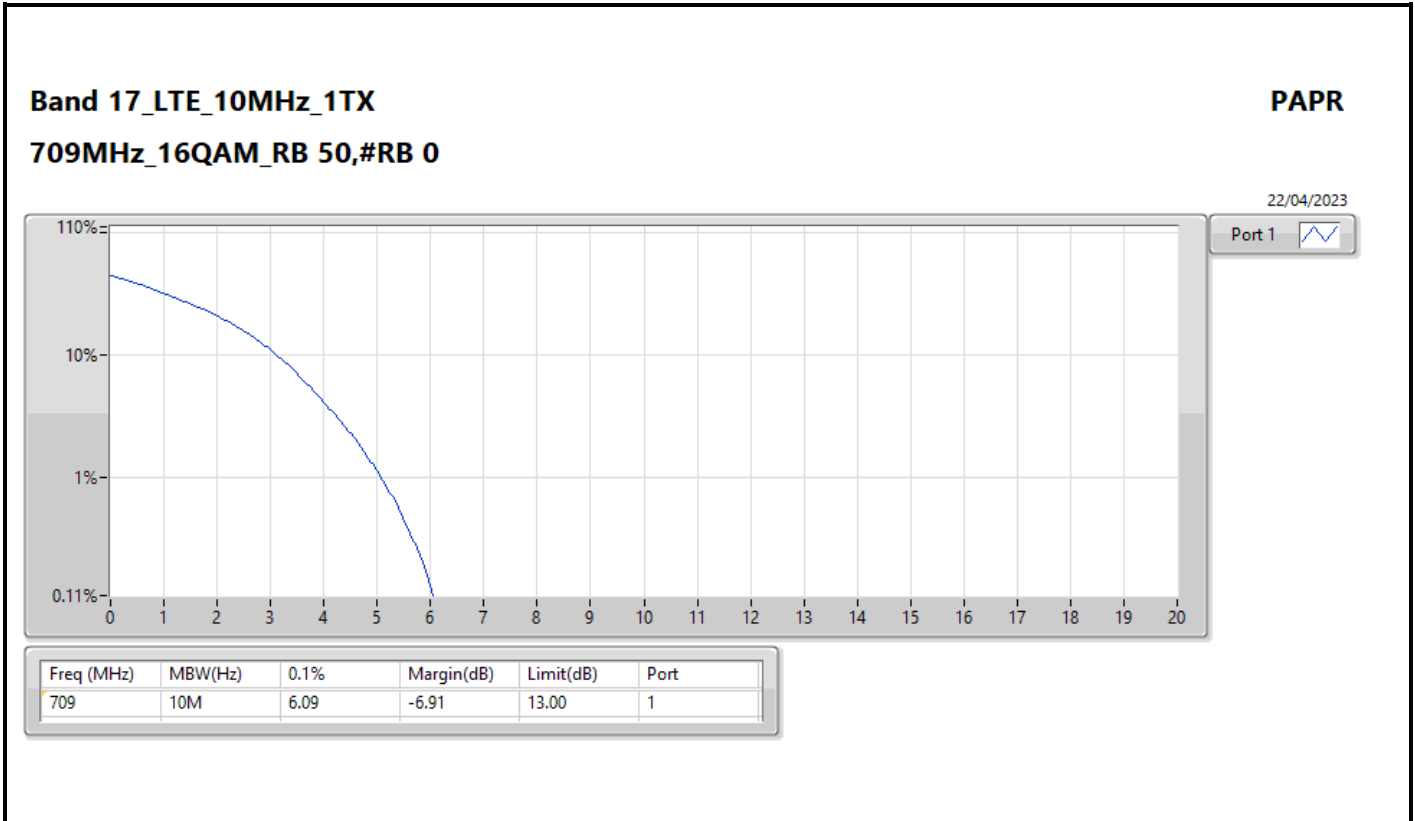
22/04/2023

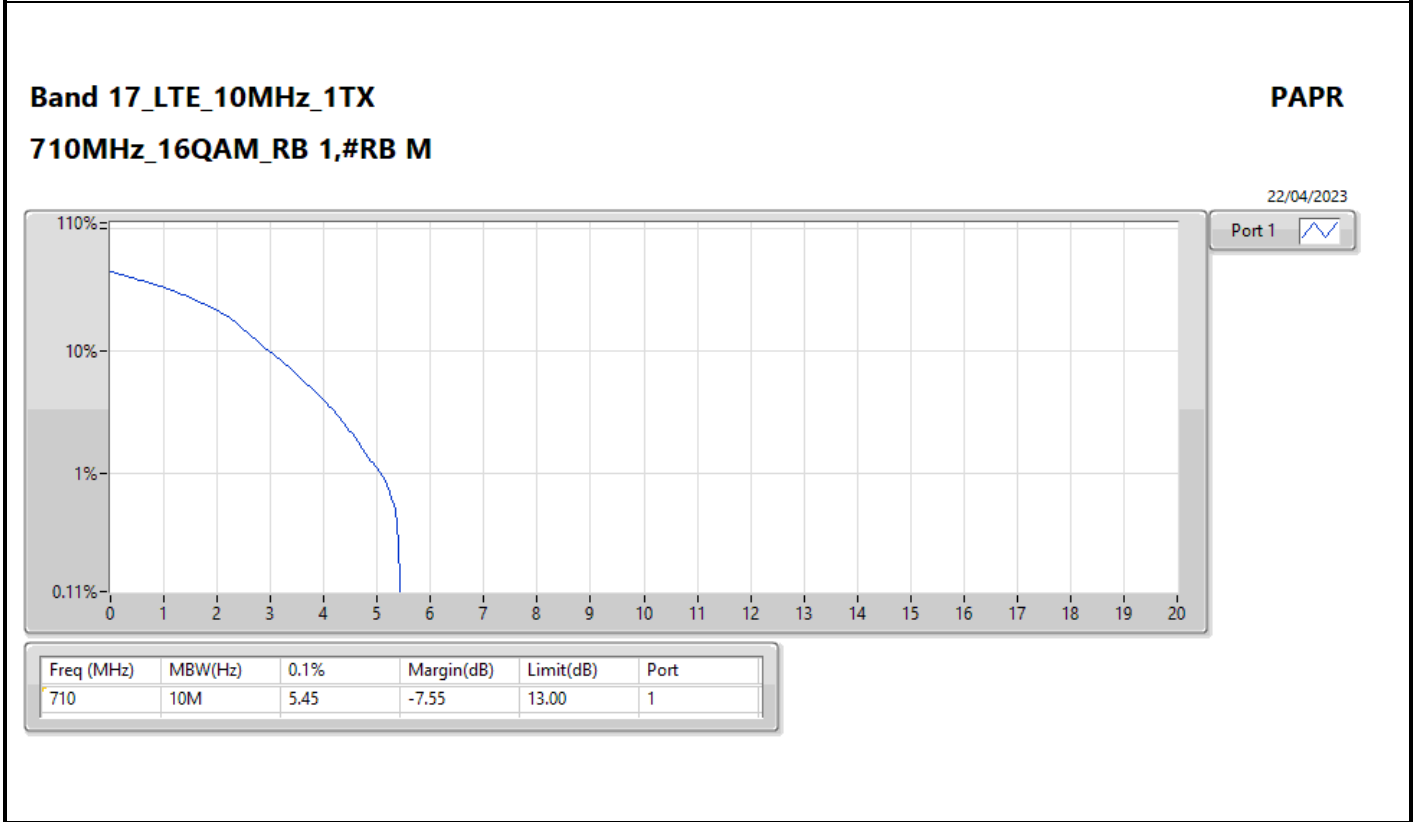
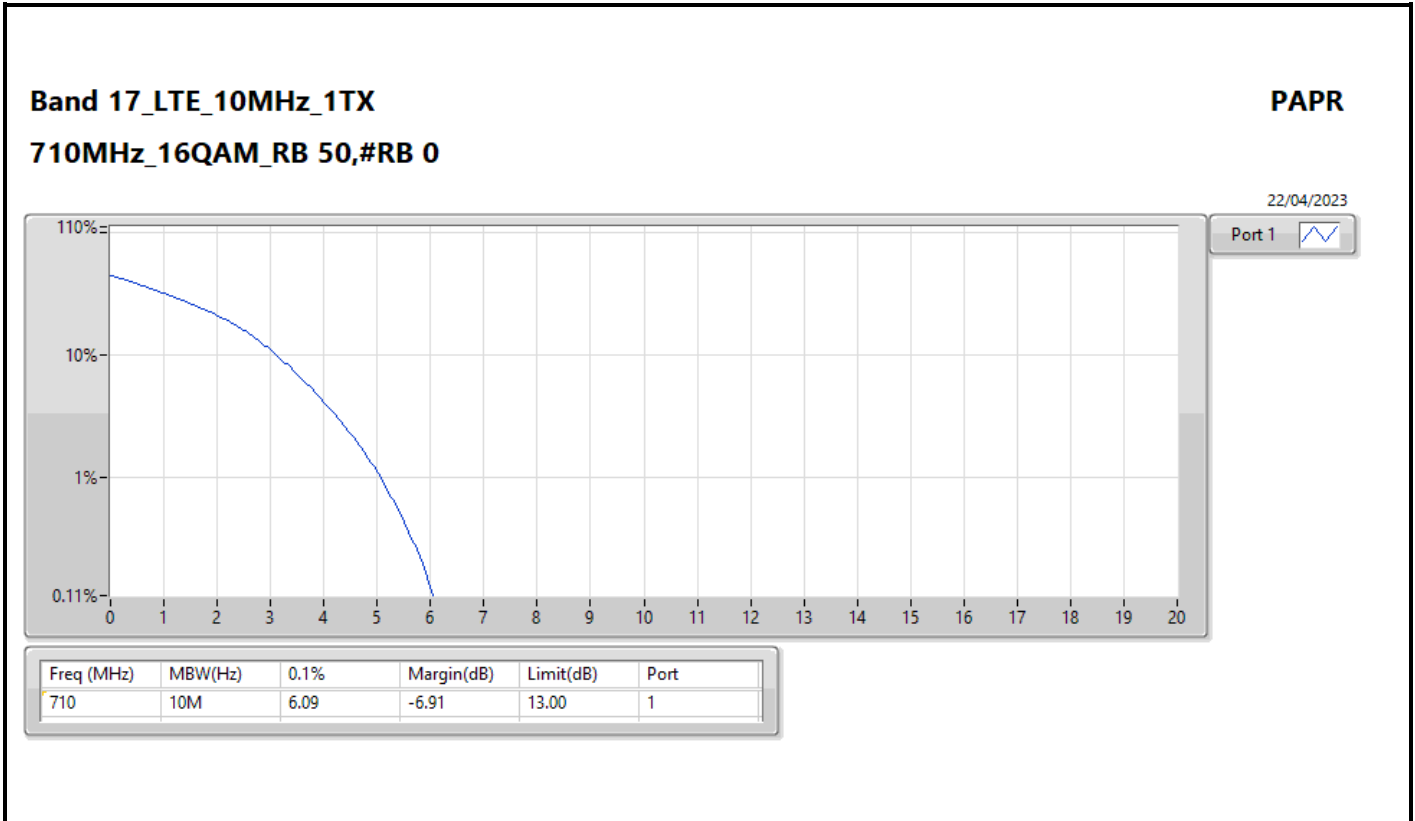


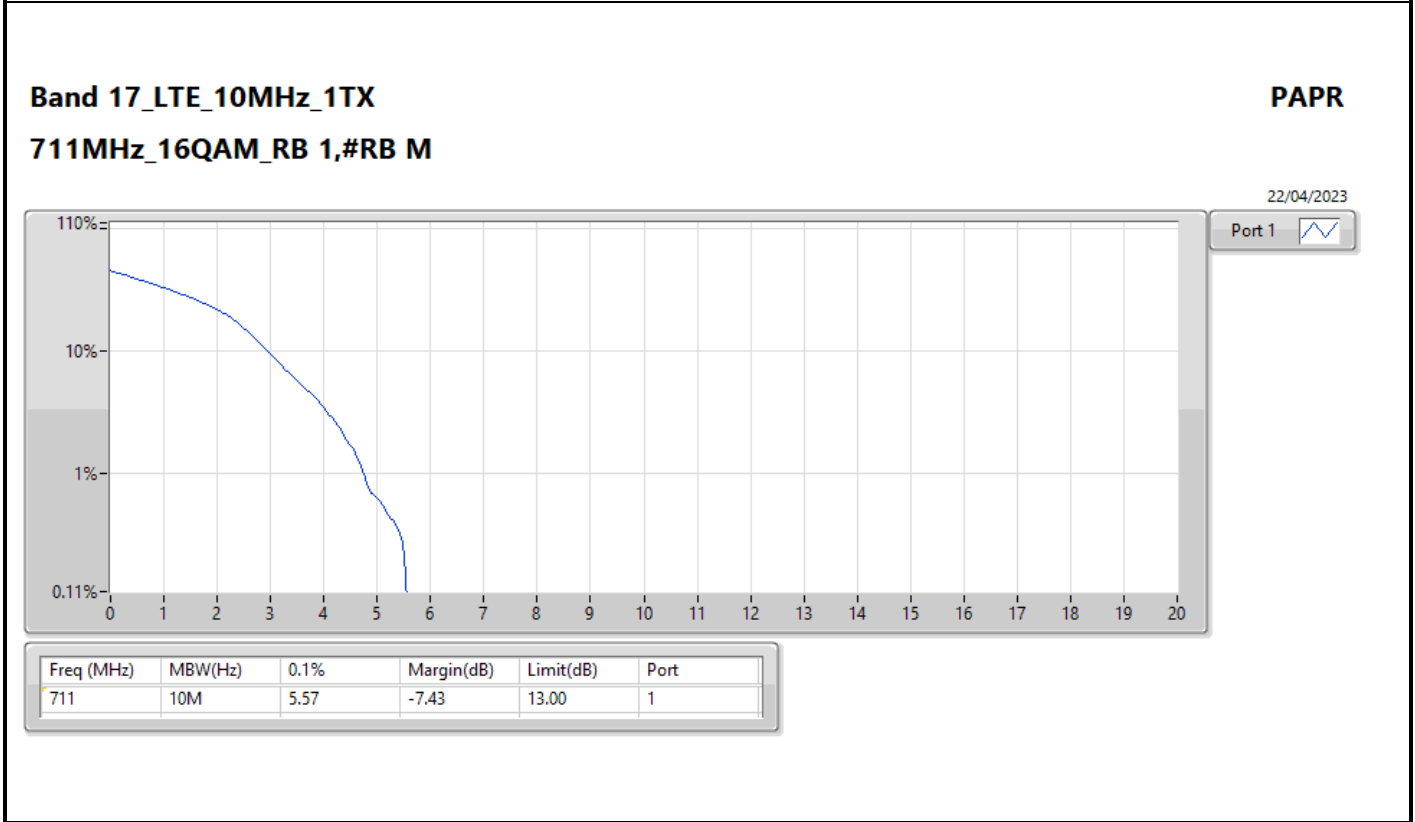
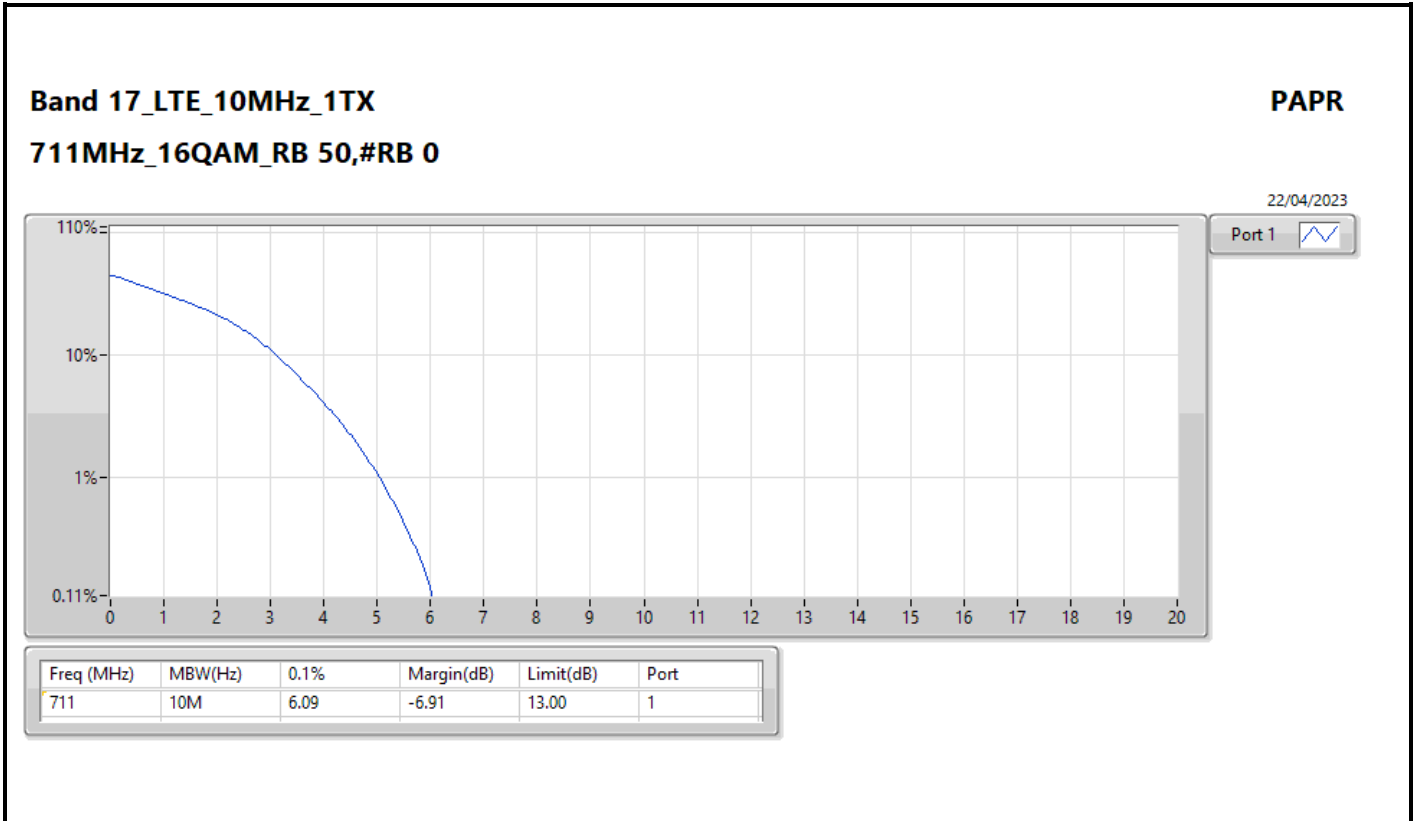
Port 1 

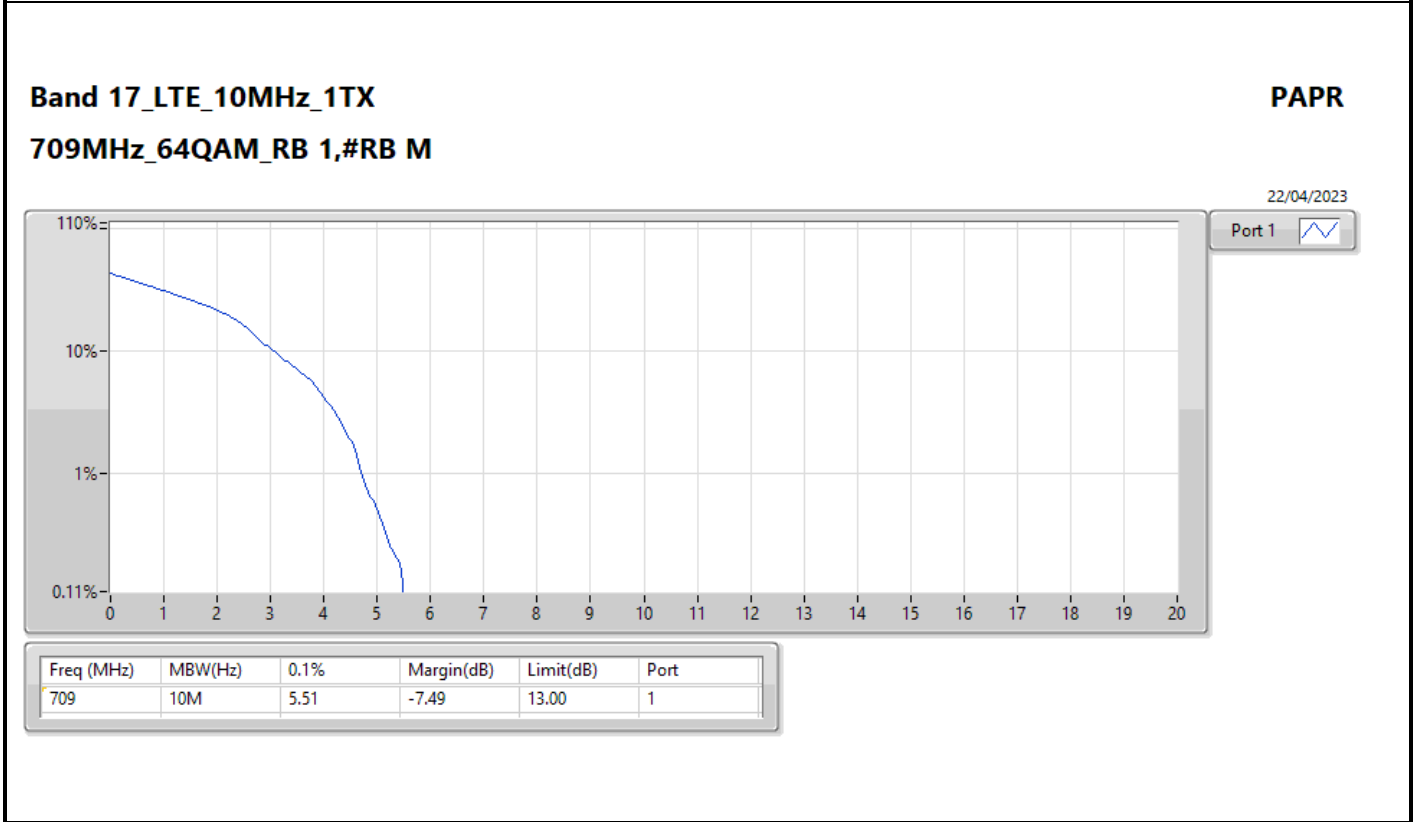
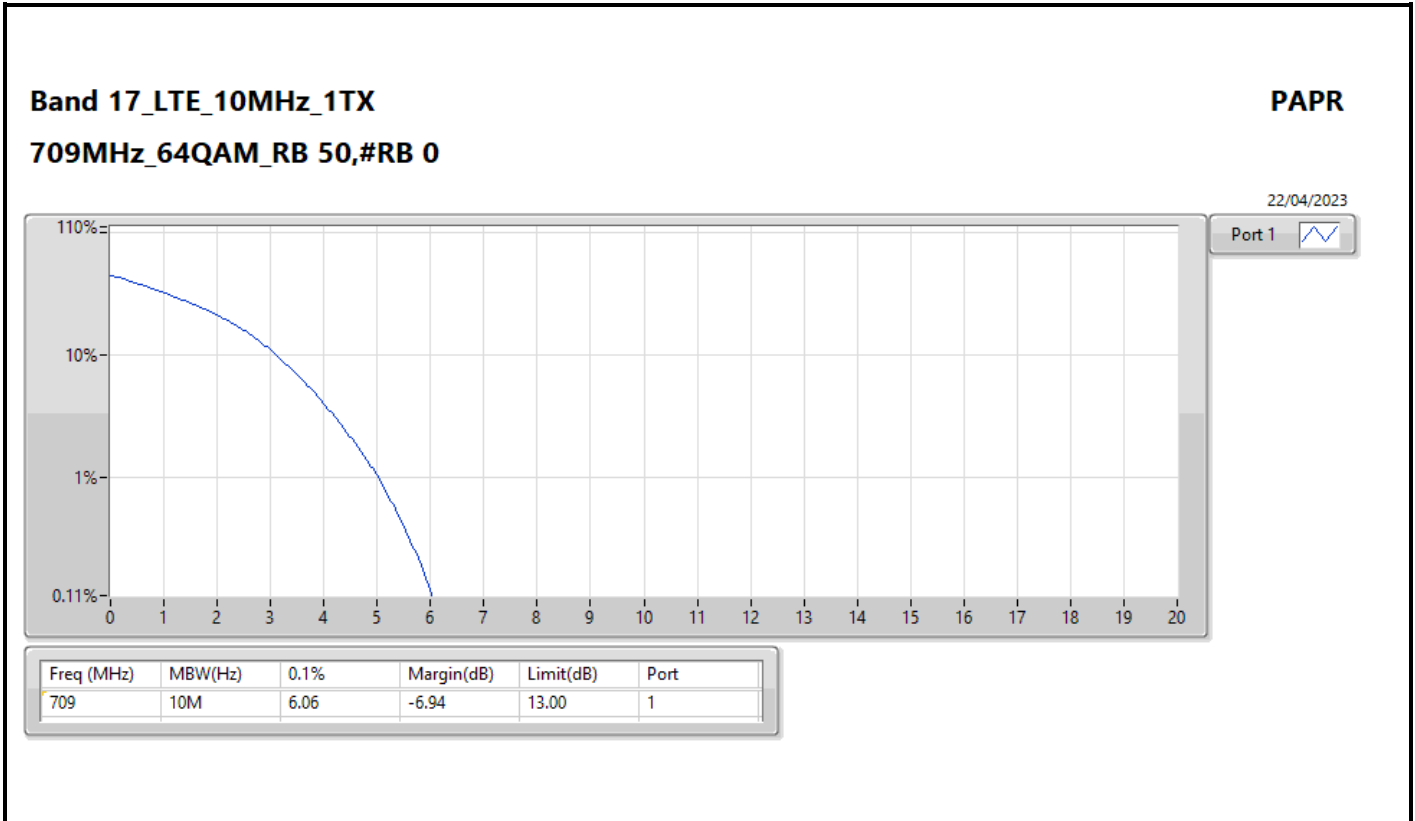
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
710	10M	4.75	-8.25	13.00	1

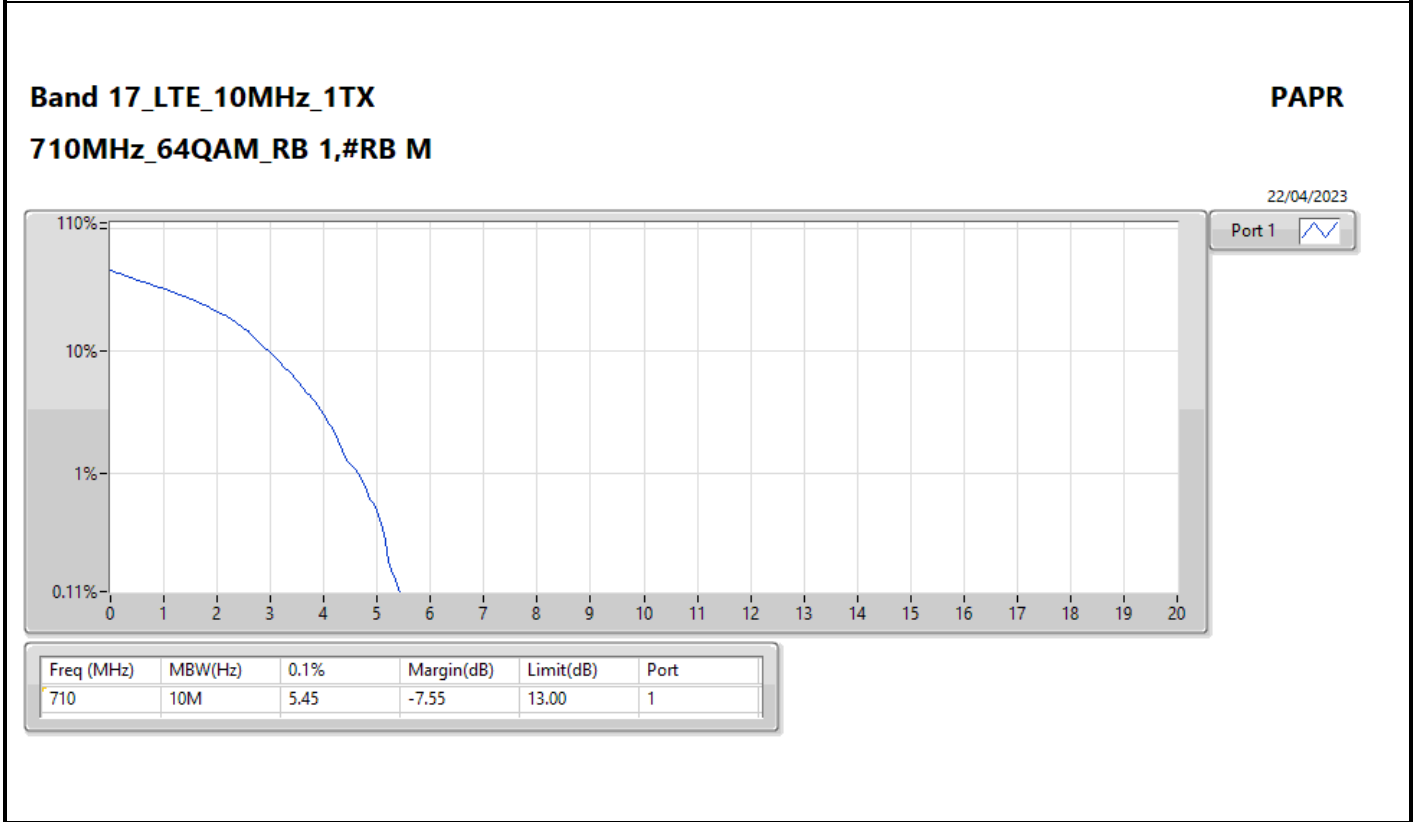
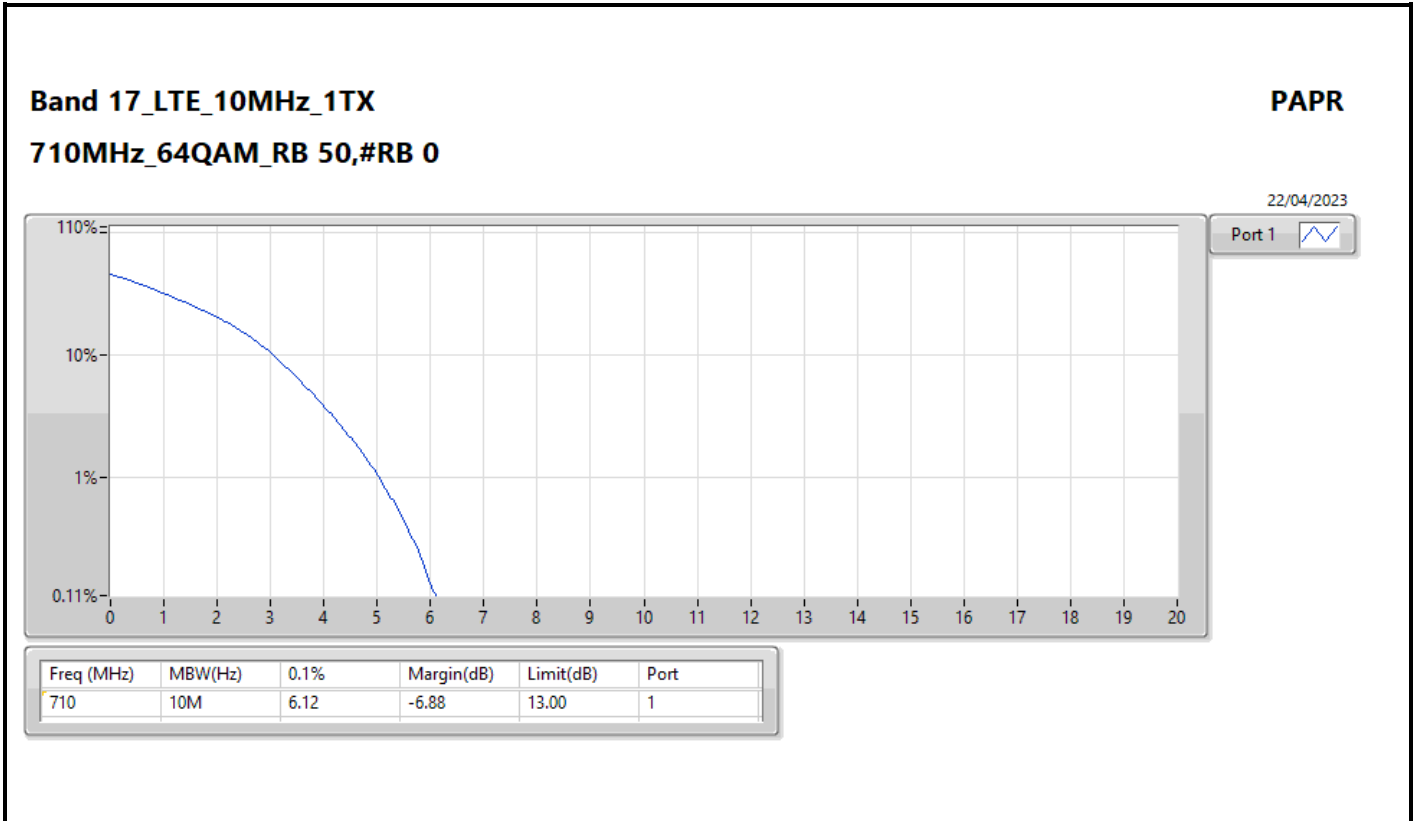




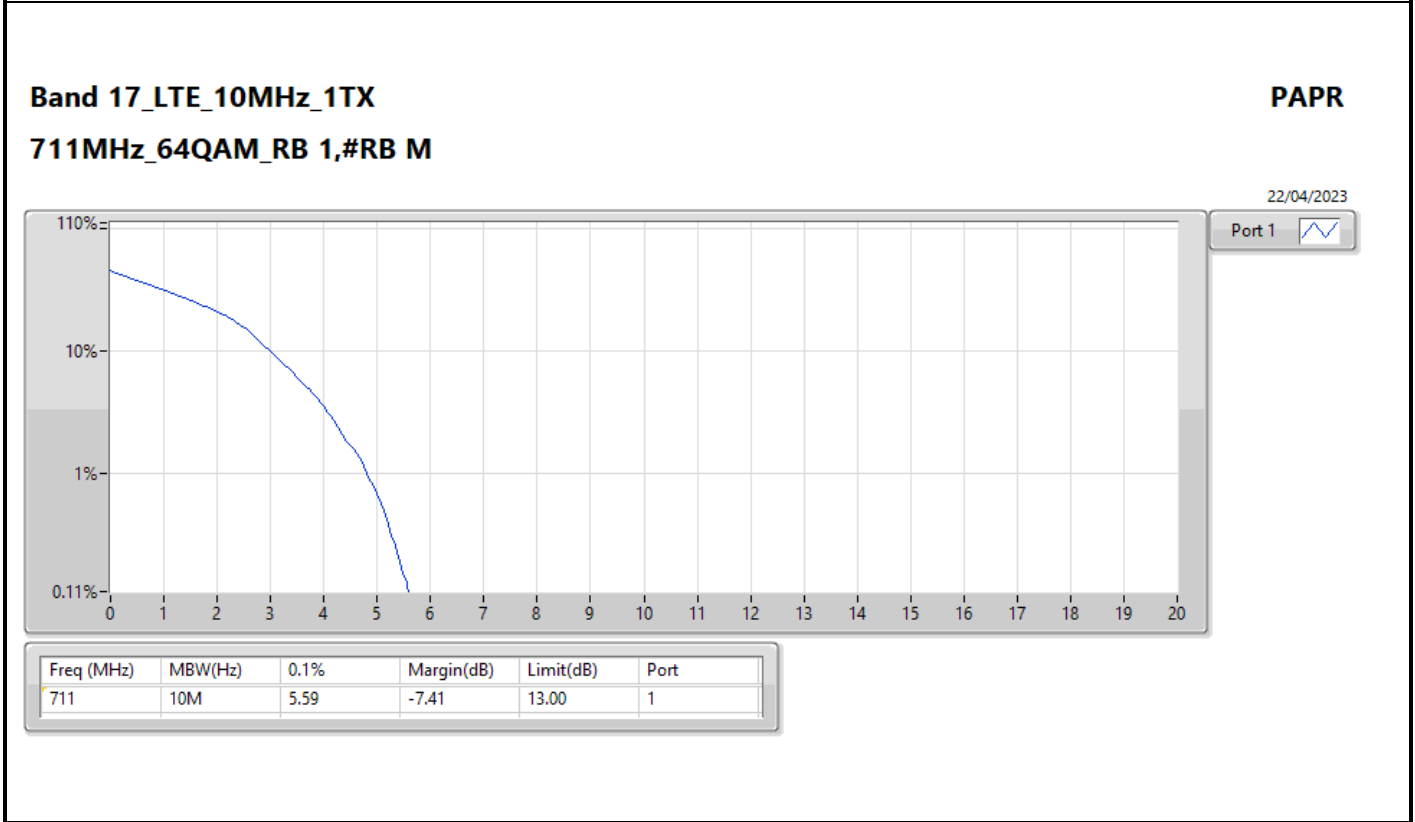
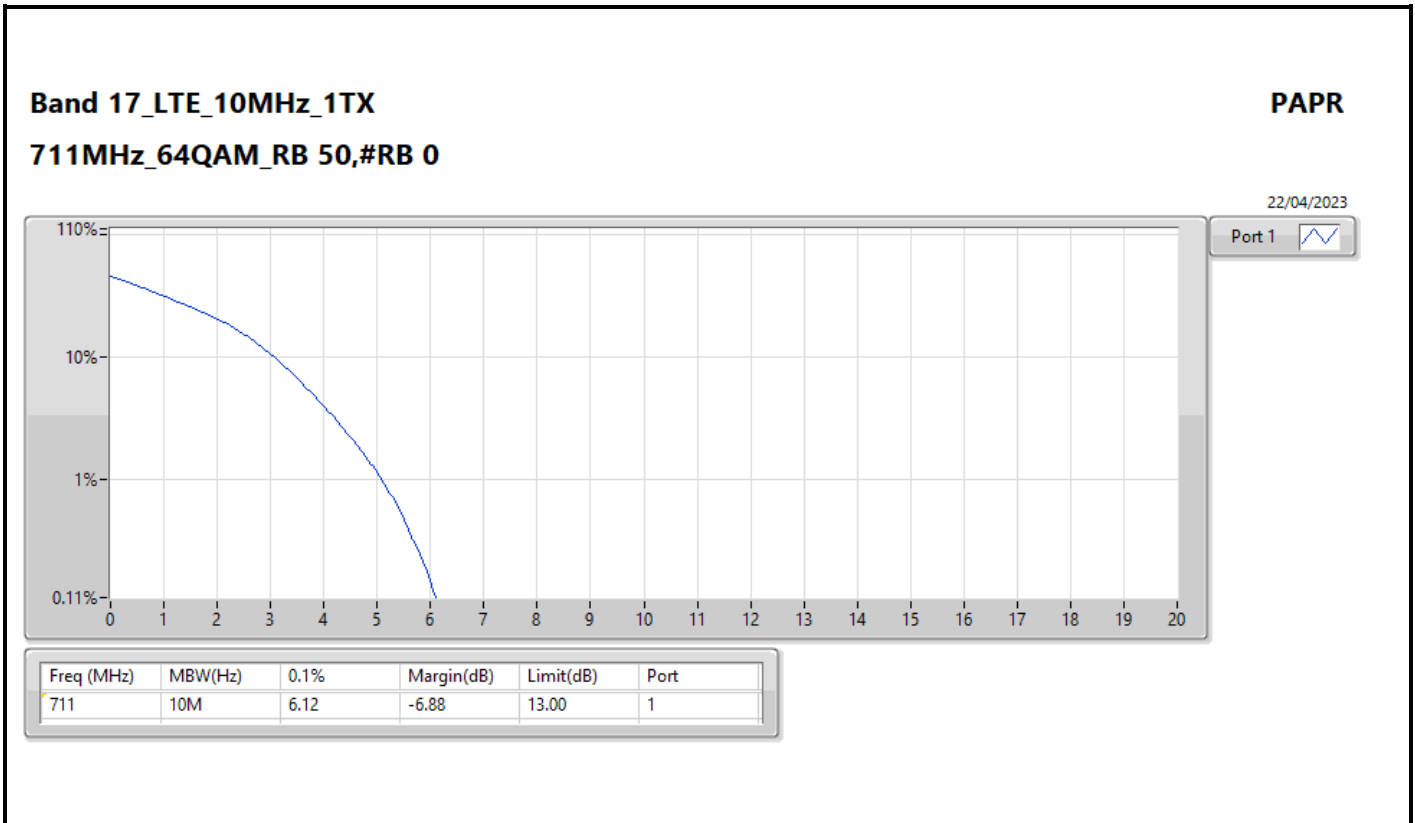














**Peak to Average Power Ratio (PAPR)  
(Mode 11: LTE Band 25)**

**Appendix B.11**

**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 25	-	-	-	-	-
LTE_20MHz_QPSK_1TX	Pass	1860	13.00	5.36	1
LTE_20MHz_16QAM_1TX	Pass	1882	13.00	6.14	1
LTE_20MHz_64QAM_1TX	Pass	1882	13.00	6.12	1

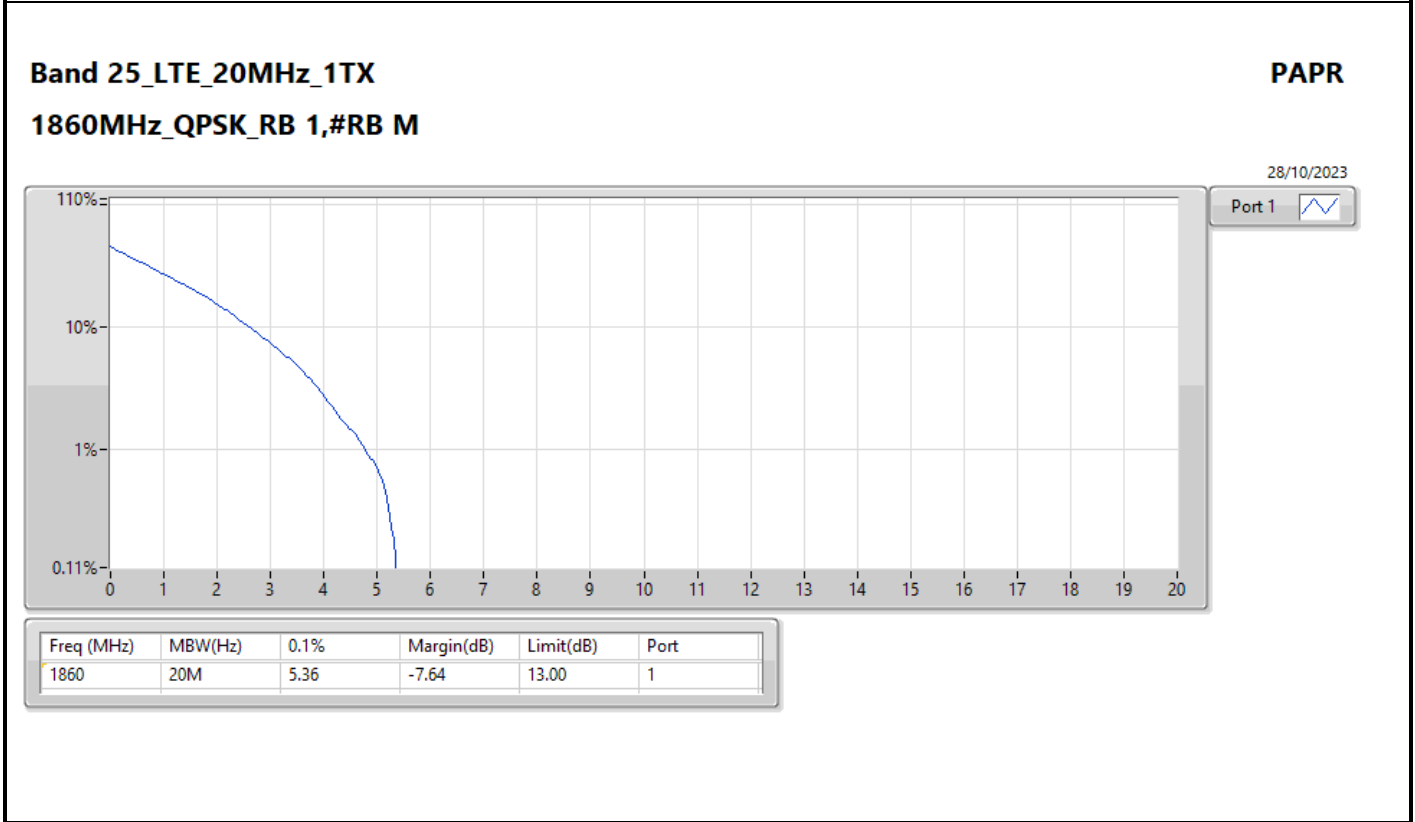
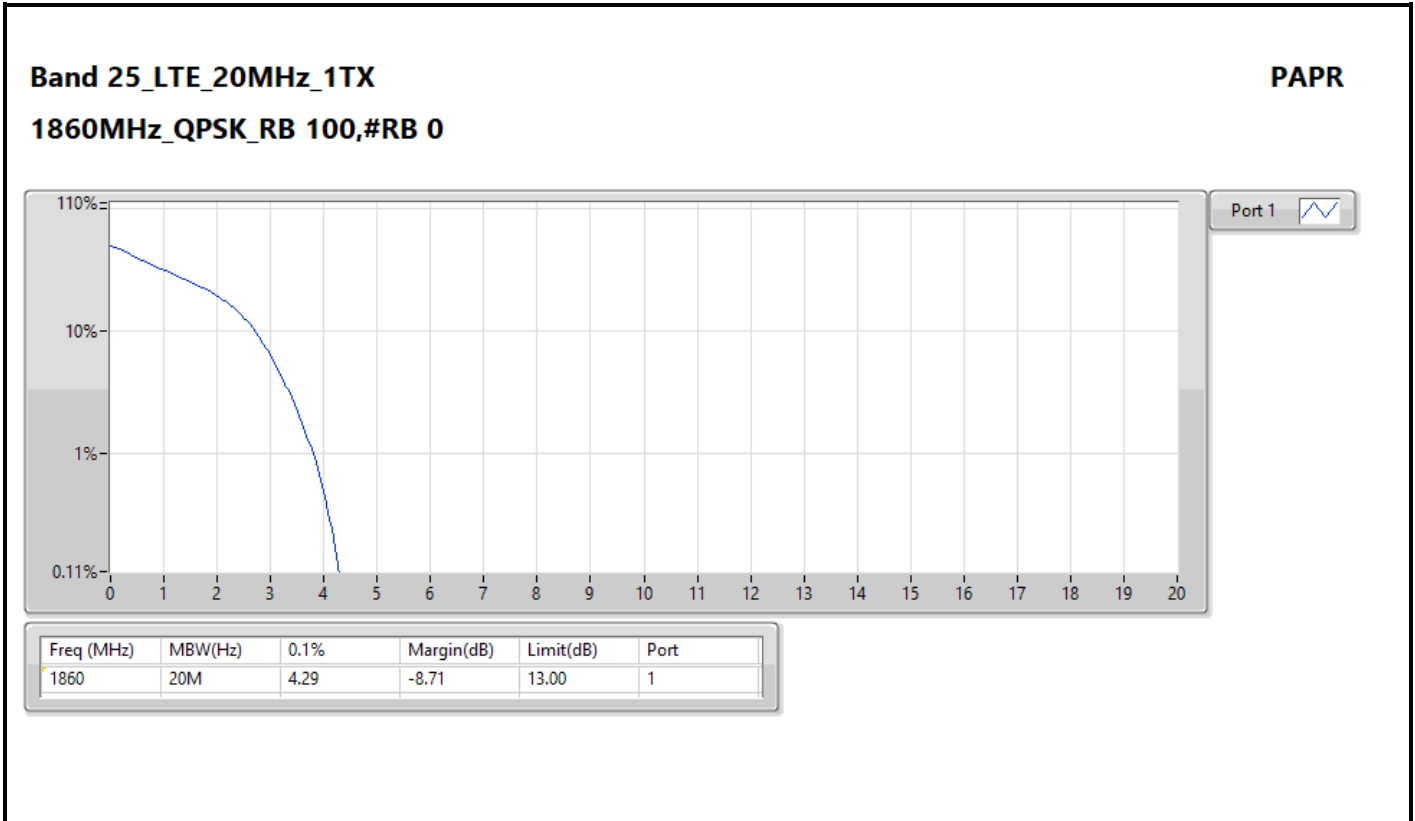


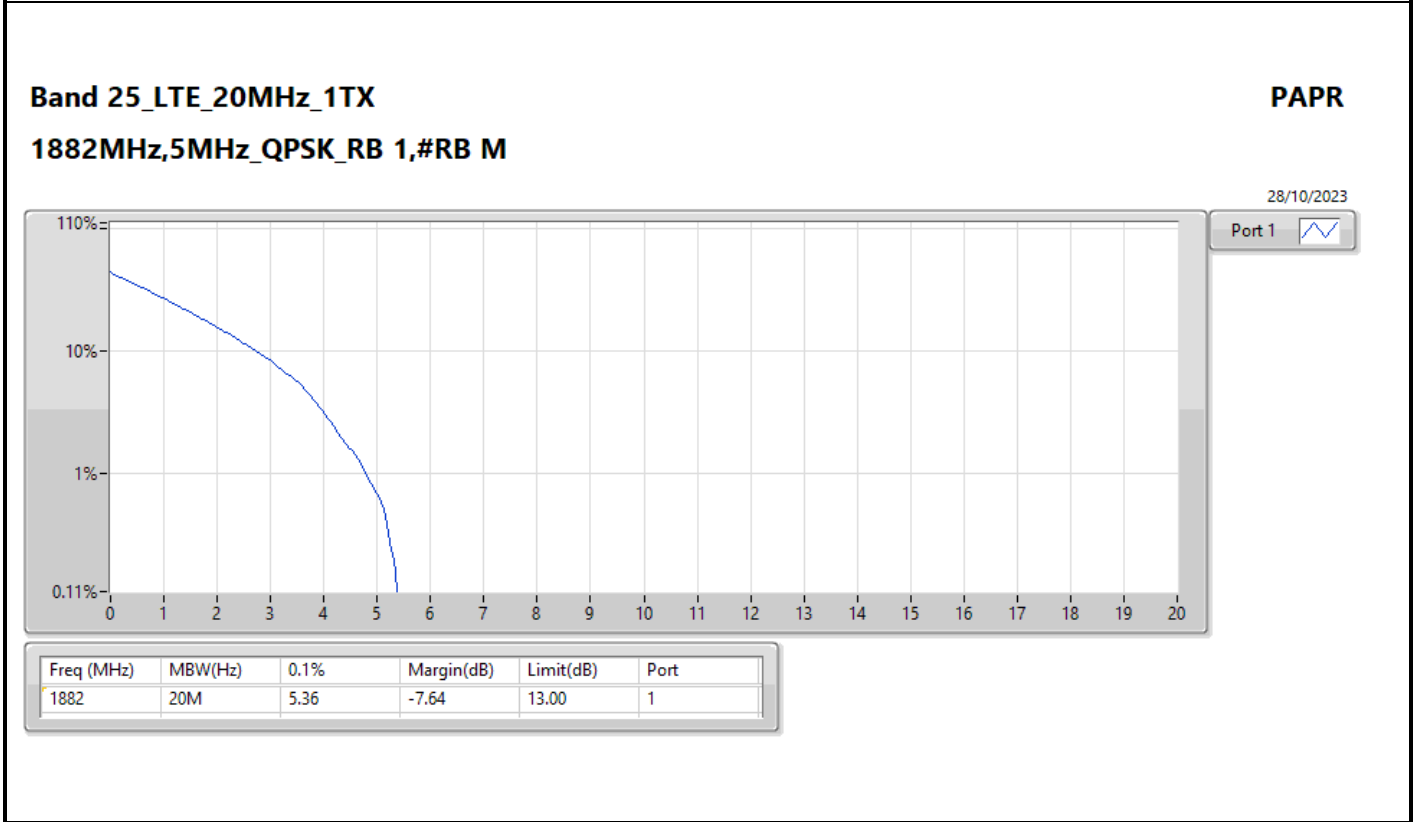
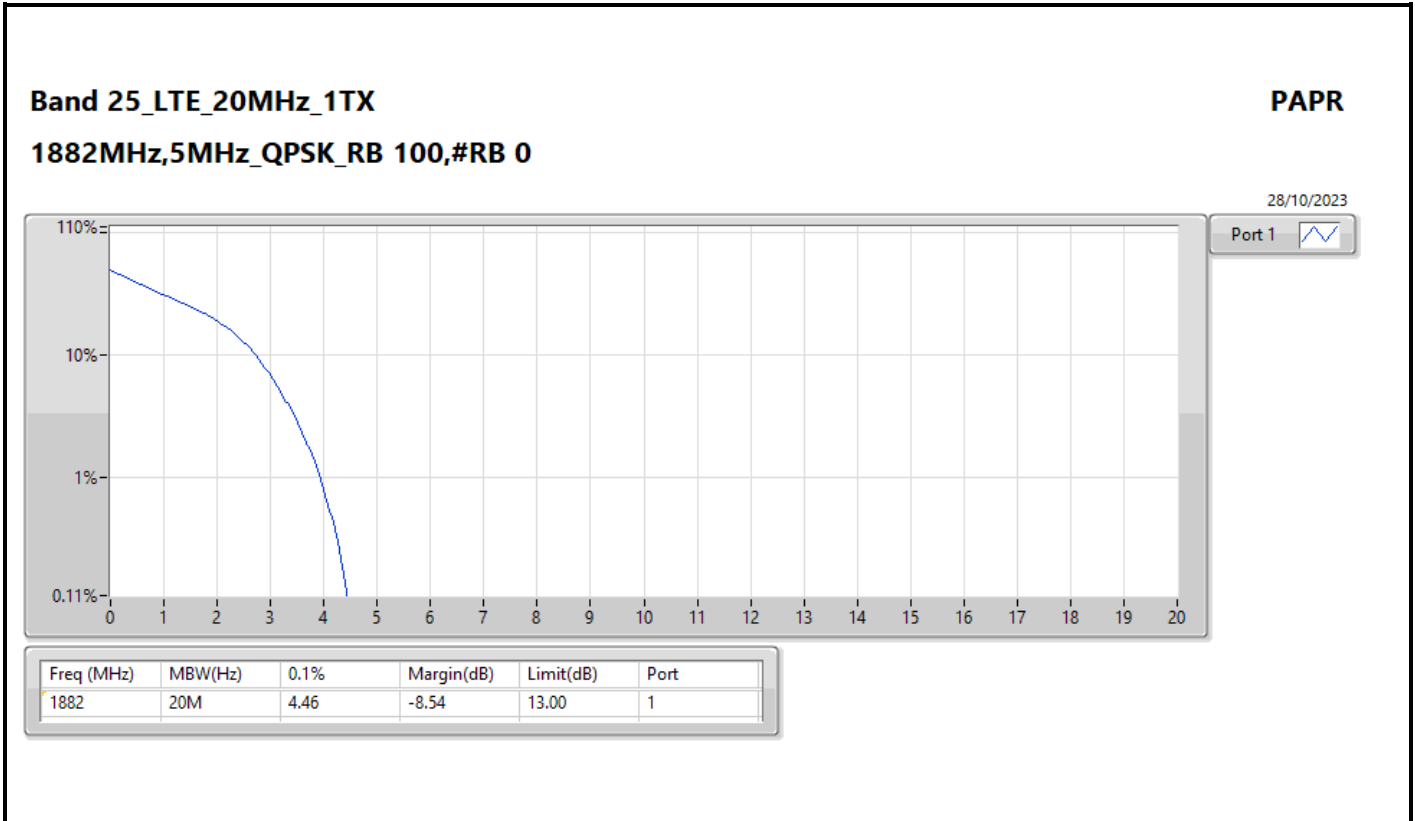
**Peak to Average Power Ratio (PAPR)  
(Mode 11: LTE Band 25)**

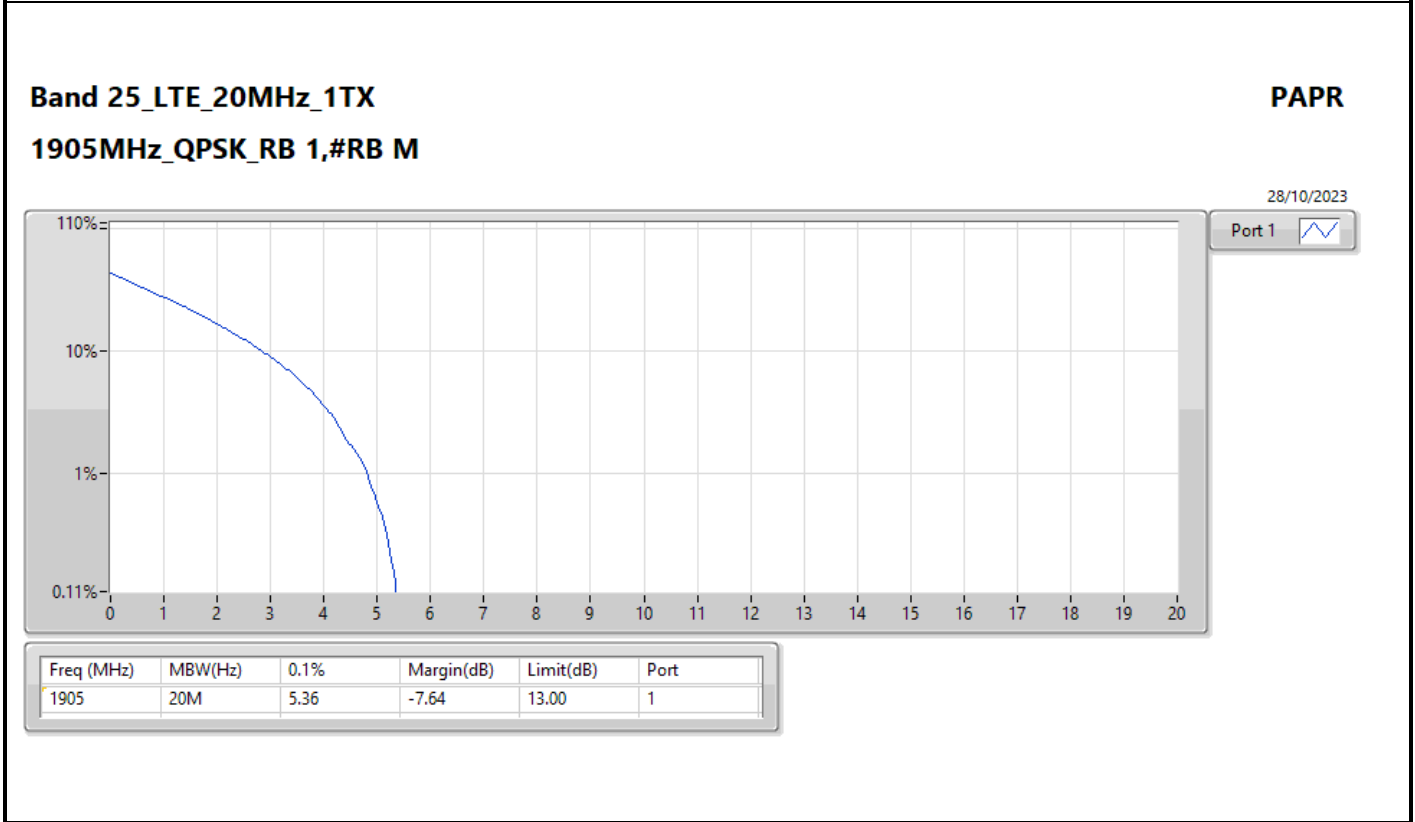
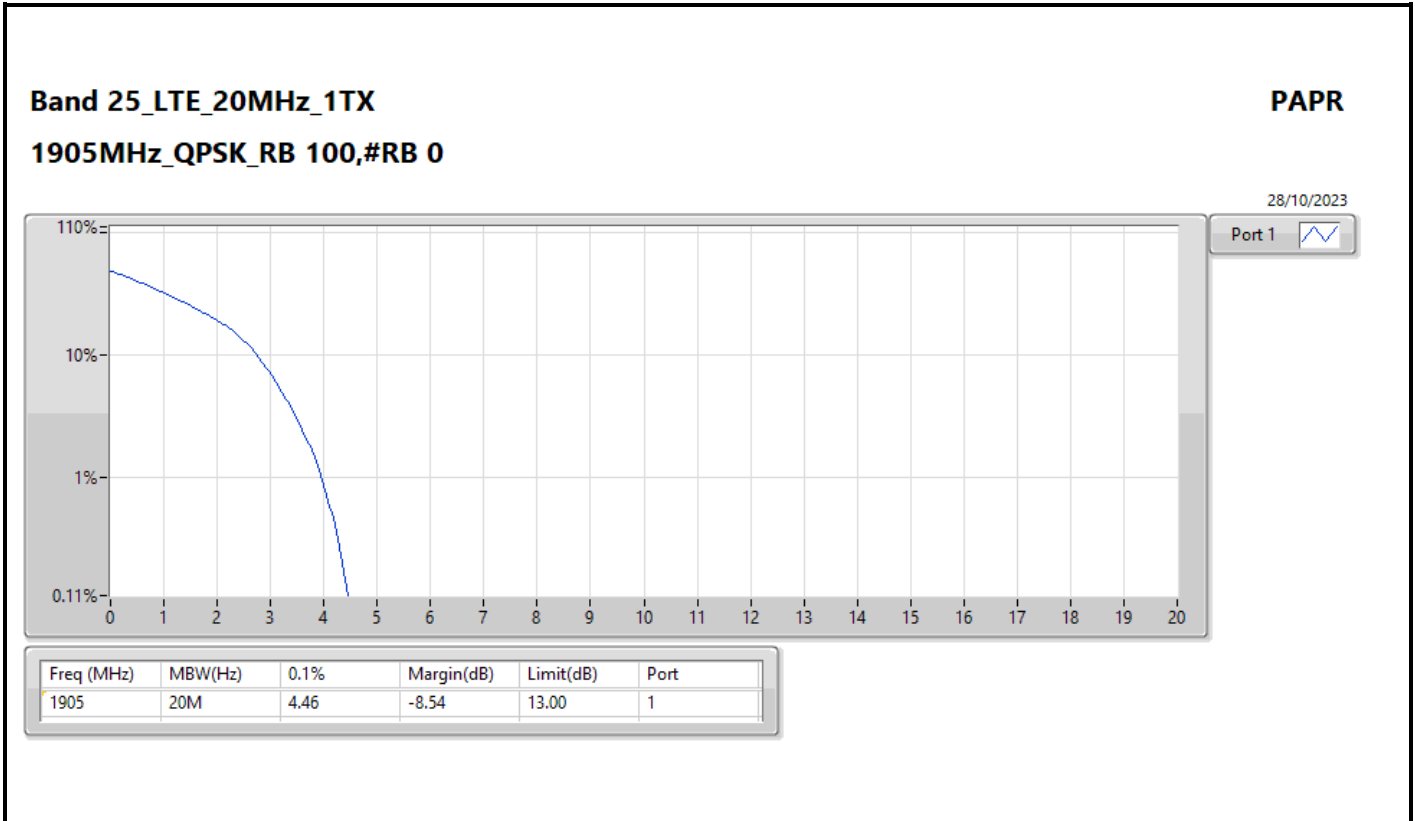
**Appendix B.11**

**Result**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 25_LTE_20MHz_QPSK_1TX	-	-	-	-	-
1860MHz_RB 100,#RB 0	Pass	1860	13.00	4.29	1
1860MHz_RB 1,#RB M	Pass	1860	13.00	5.36	1
1882MHz,5MHz_RB 100,#RB 0	Pass	1882	13.00	4.46	1
1882MHz,5MHz_RB 1,#RB M	Pass	1882	13.00	5.36	1
1905MHz_RB 100,#RB 0	Pass	1905	13.00	4.46	1
1905MHz_RB 1,#RB M	Pass	1905	13.00	5.36	1
Band 25_LTE_20MHz_16QAM_1TX	-	-	-	-	-
1860MHz_RB 100,#RB 0	Pass	1860	13.00	5.97	1
1860MHz_RB 1,#RB M	Pass	1860	13.00	6.00	1
1882MHz,5MHz_RB 100,#RB 0	Pass	1882	13.00	6.14	1
1882MHz,5MHz_RB 1,#RB M	Pass	1882	13.00	6.14	1
1905MHz_RB 100,#RB 0	Pass	1905	13.00	6.06	1
1905MHz_RB 1,#RB M	Pass	1905	13.00	5.74	1
Band 25_LTE_20MHz_64QAM_1TX	-	-	-	-	-
1860MHz_RB 100,#RB 0	Pass	1860	13.00	6.00	1
1860MHz_RB 1,#RB M	Pass	1860	13.00	5.94	1
1882MHz,5MHz_RB 100,#RB 0	Pass	1882	13.00	6.12	1
1882MHz,5MHz_RB 1,#RB M	Pass	1882	13.00	6.00	1
1905MHz_RB 100,#RB 0	Pass	1905	13.00	6.06	1
1905MHz_RB 1,#RB M	Pass	1905	13.00	5.65	1





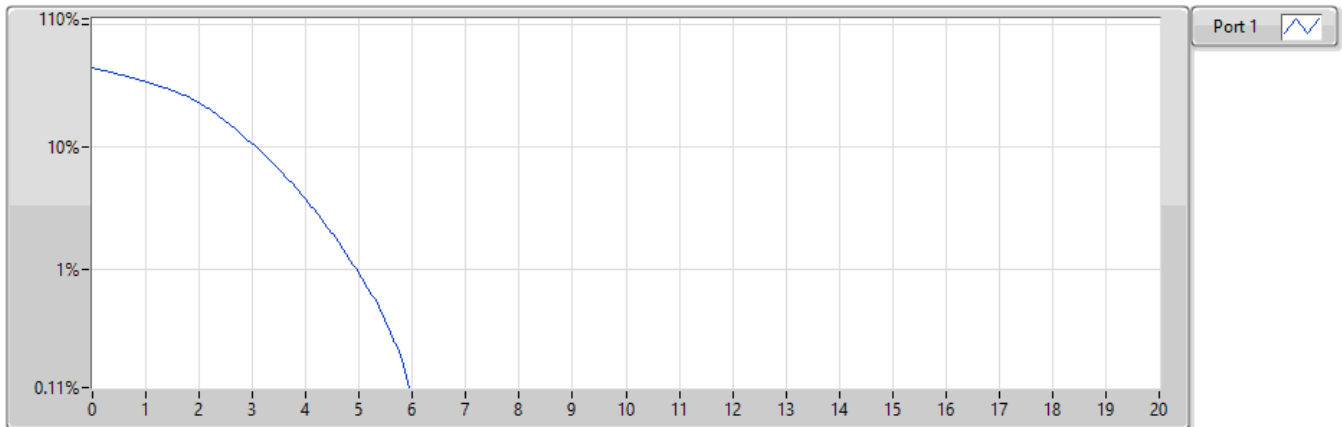



**Band 25\_LTE\_20MHz\_1TX**

**PAPR**

**1860MHz\_16QAM\_RB 100,#RB 0**

28/10/2023



Port 1 

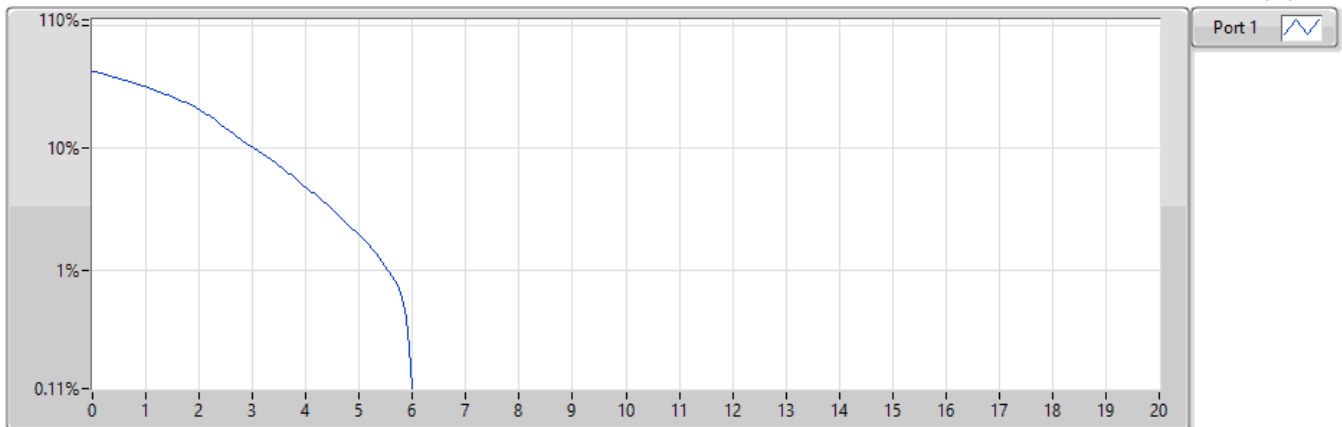
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1860	20M	5.97	-7.03	13.00	1


**Band 25\_LTE\_20MHz\_1TX**

**PAPR**

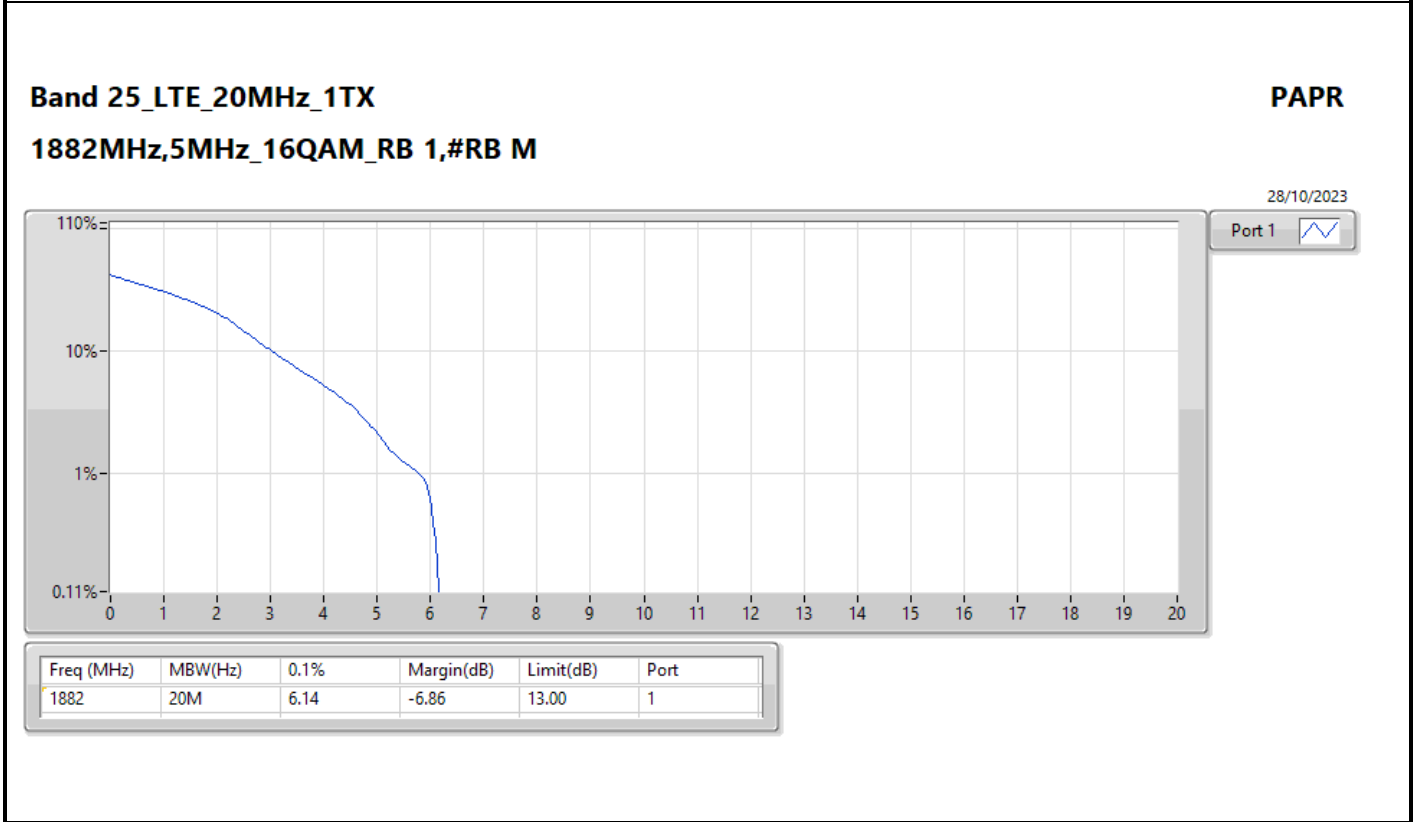
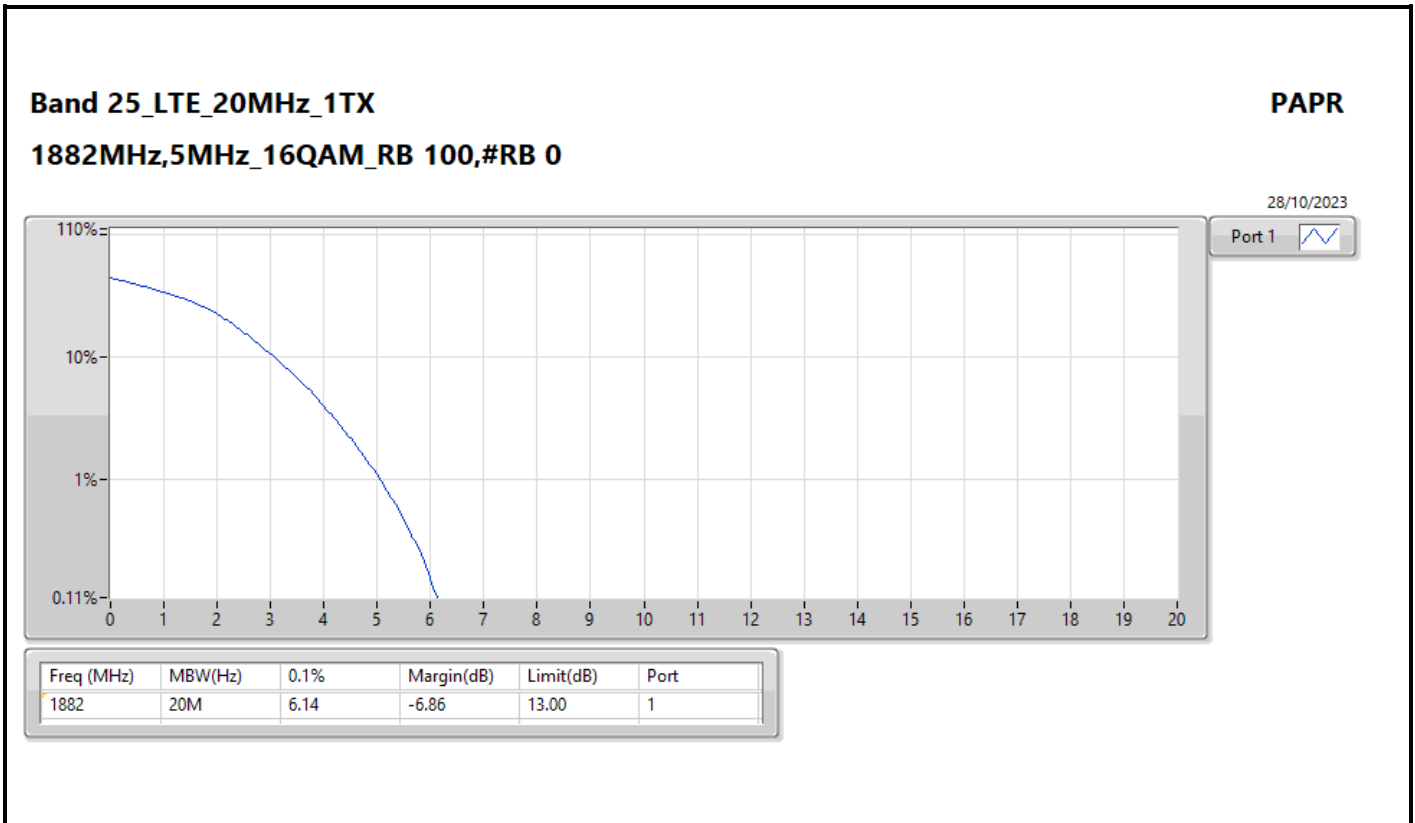
**1860MHz\_16QAM\_RB 1,#RB M**

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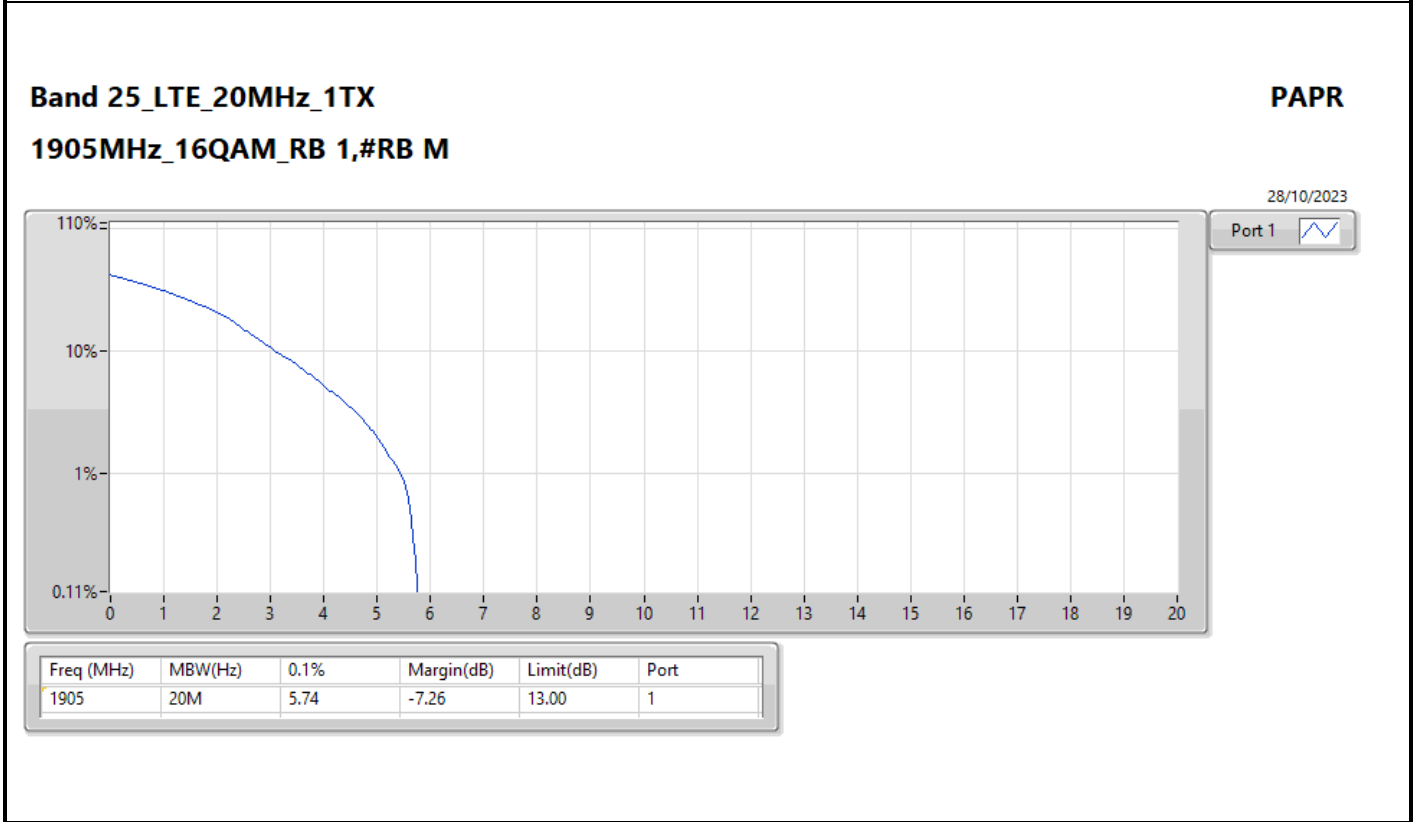
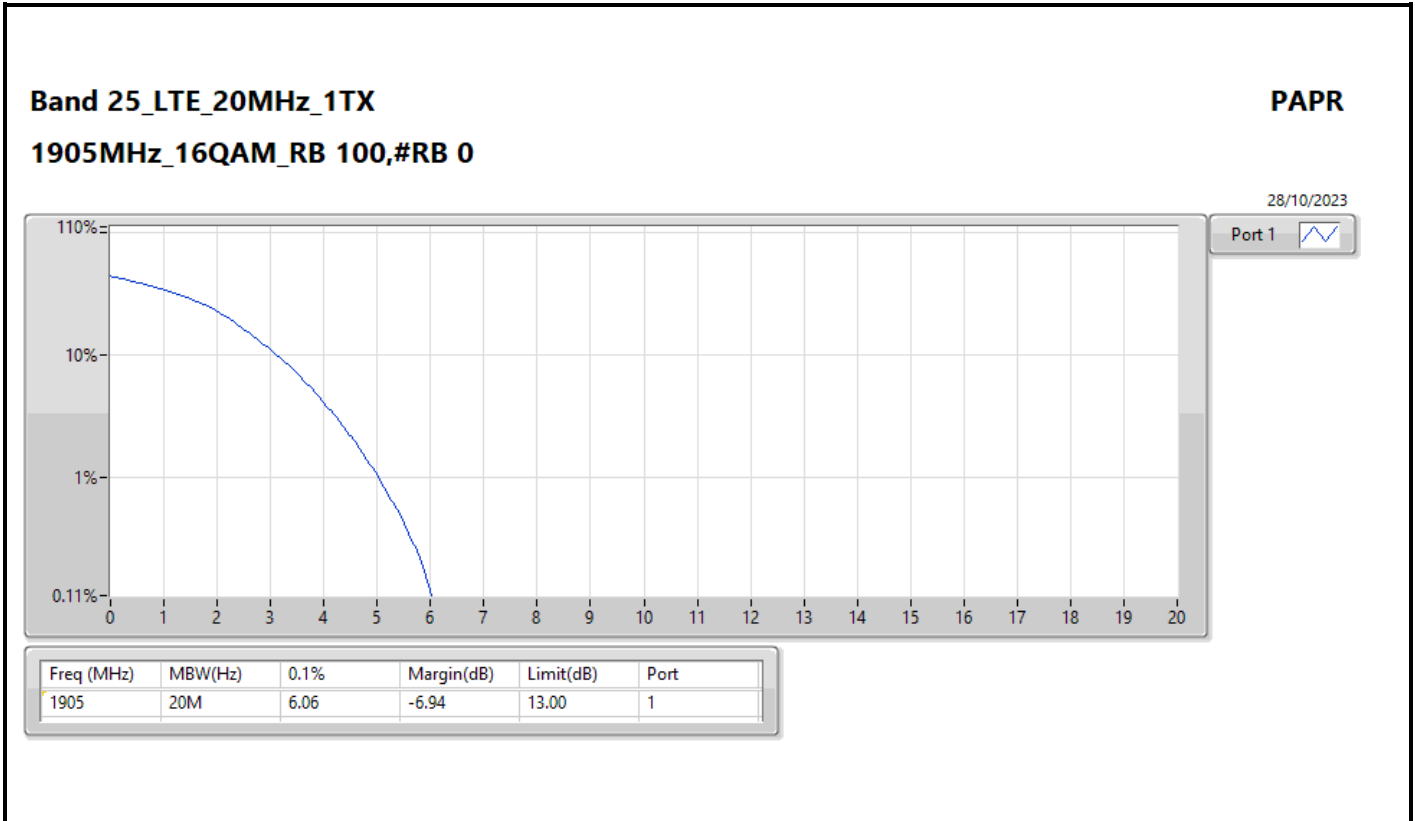


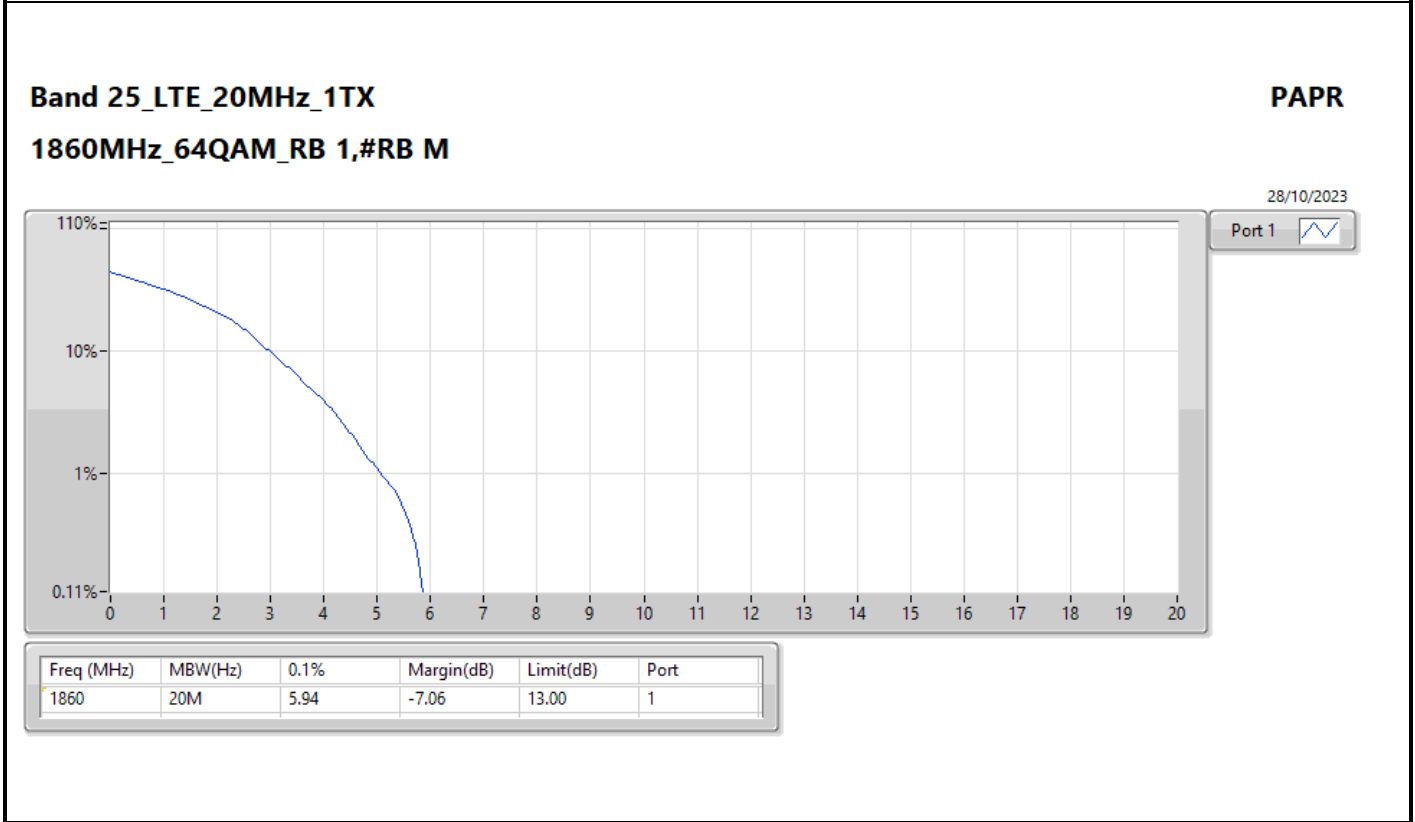
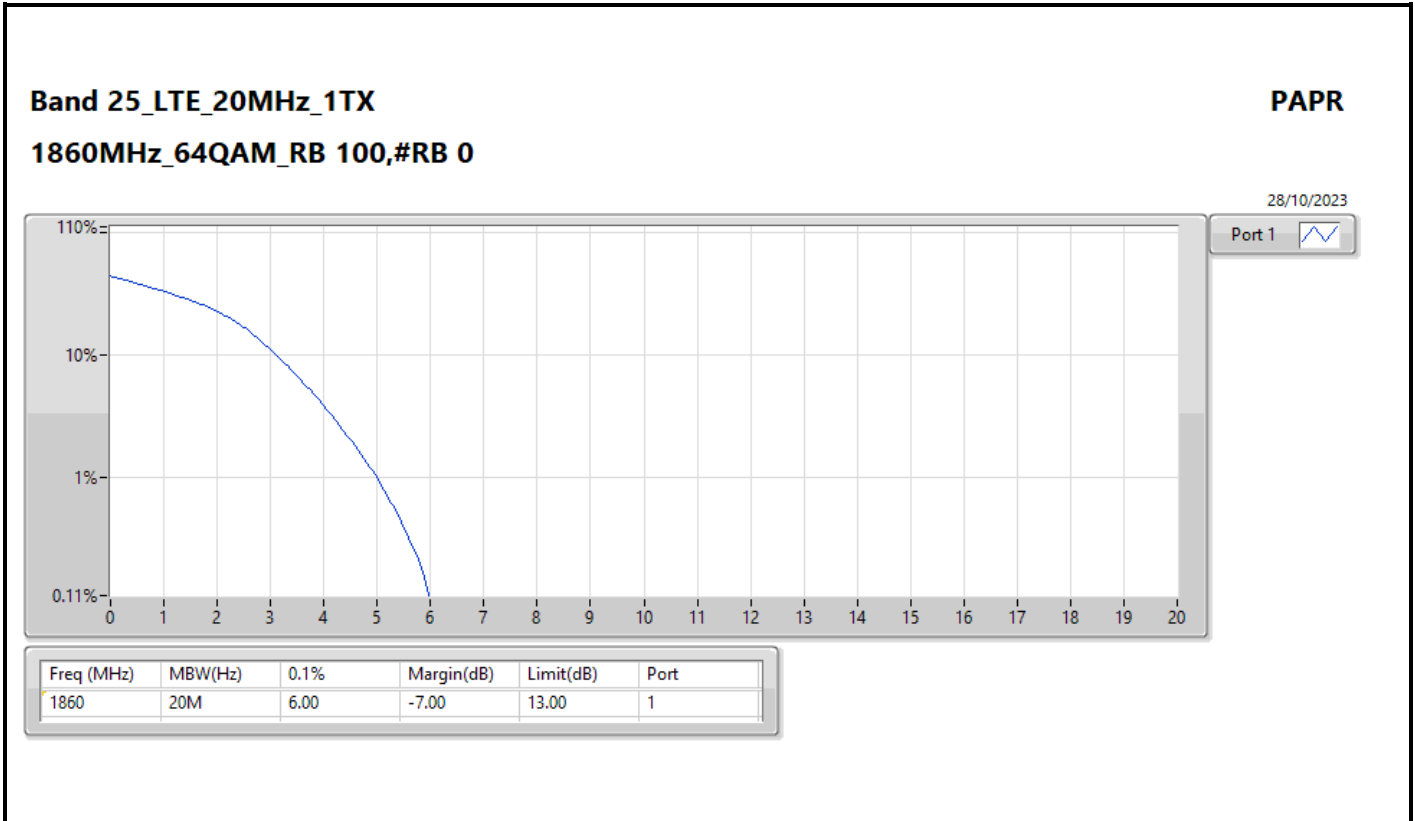
Port 1 

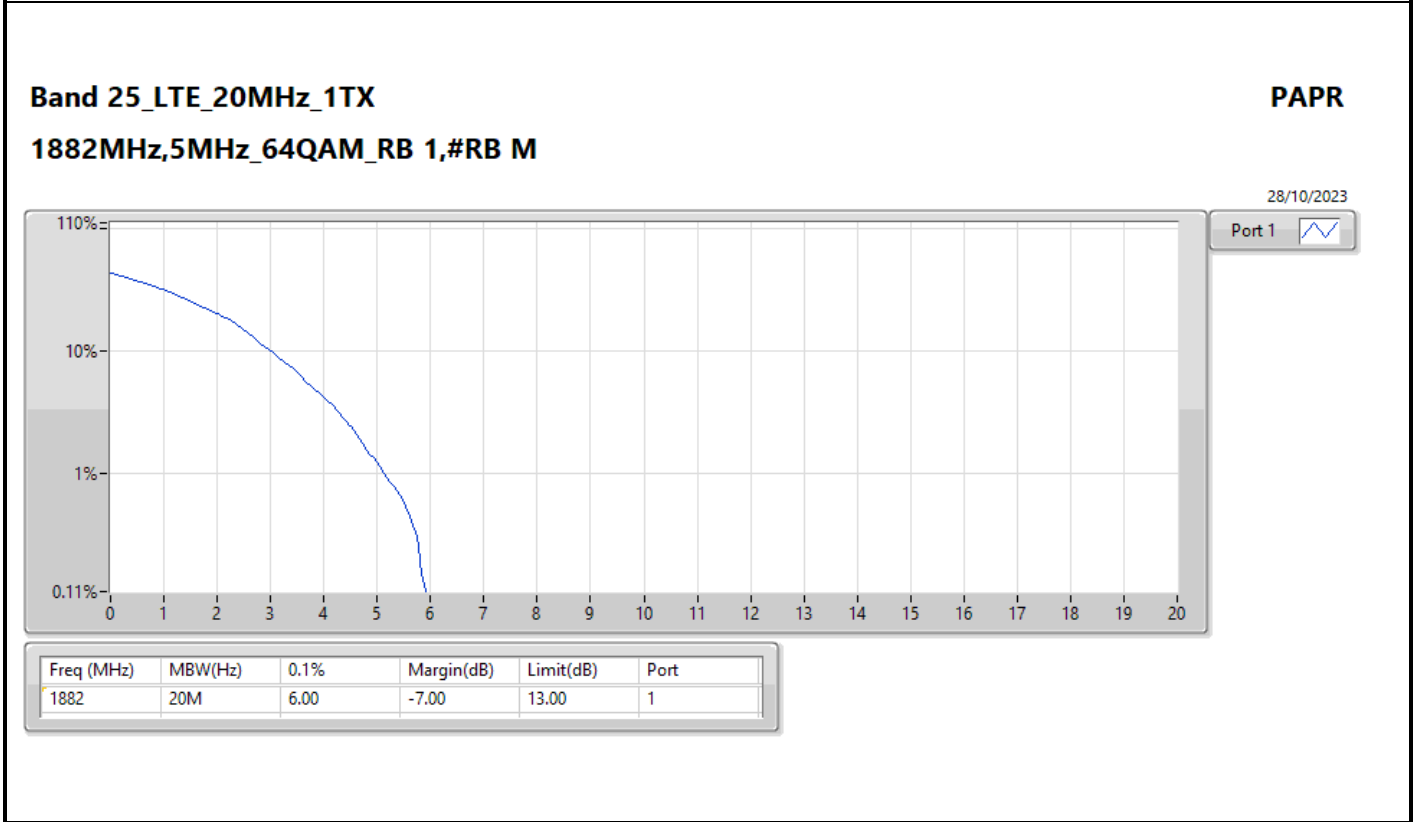
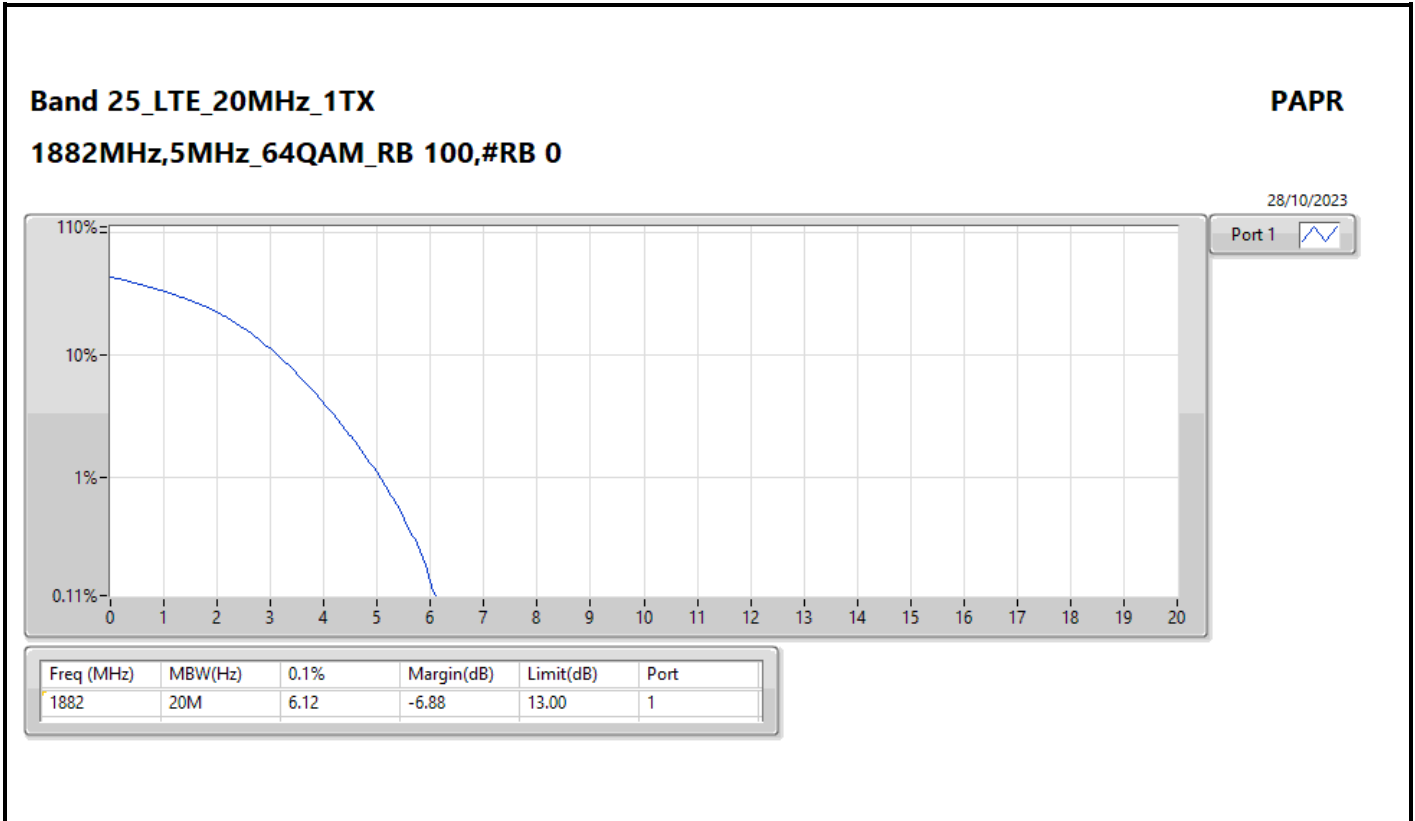
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1860	20M	6.00	-7.00	13.00	1

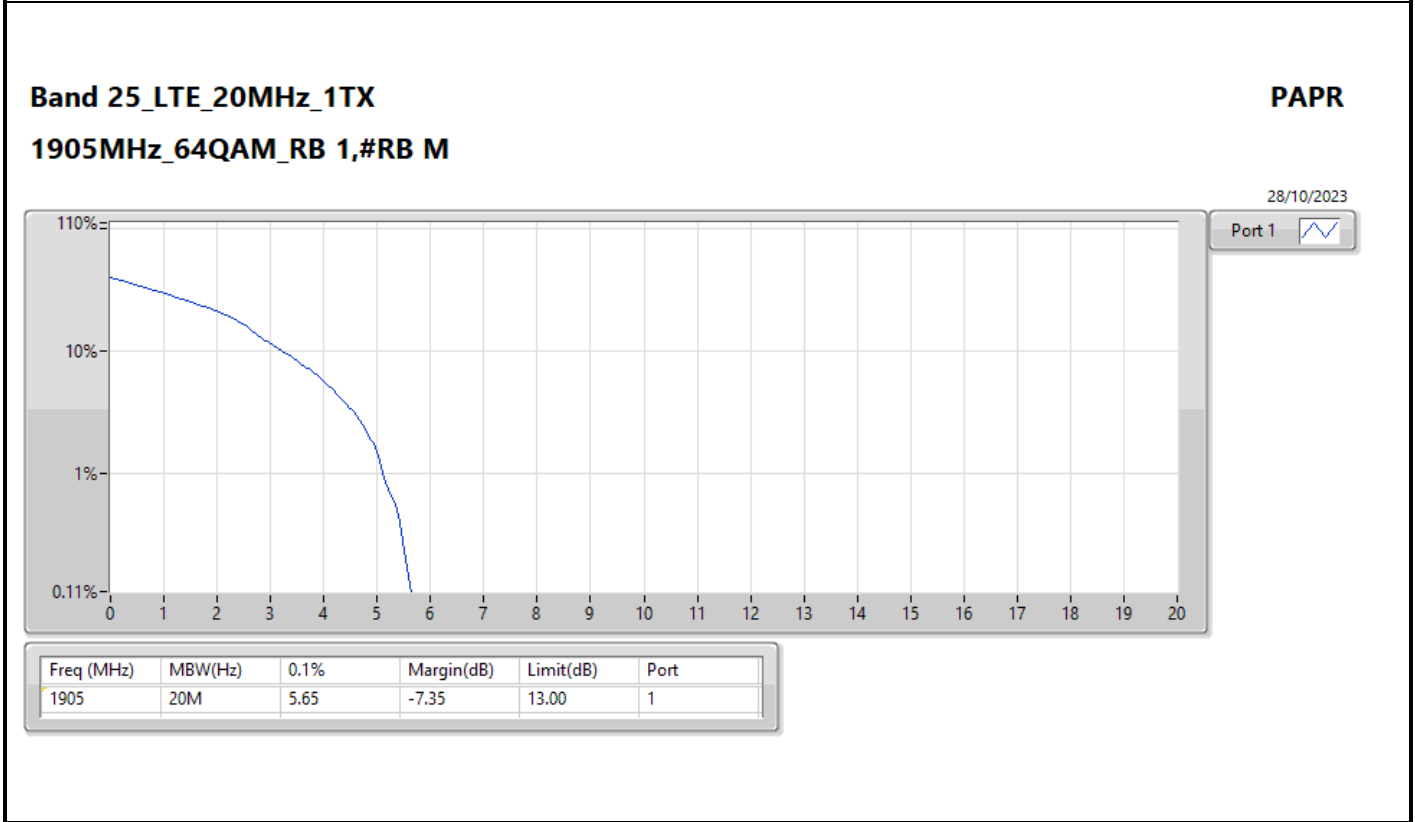
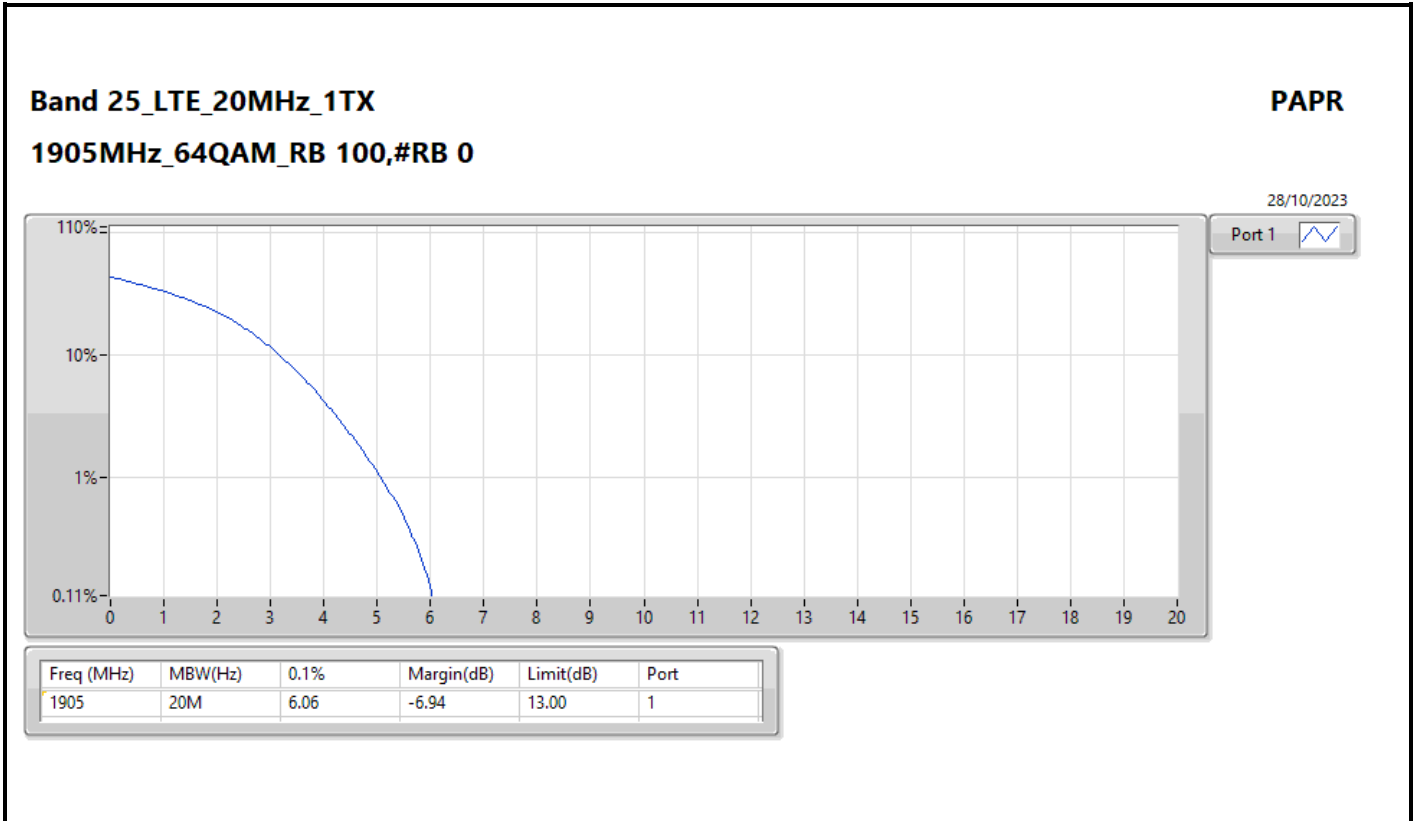














**Peak to Average Power Ratio (PAPR)  
(Mode 12: LTE Band 26)**

**Appendix B.12**

**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 26	-	-	-	-	-
LTE_15MHz_QPSK_1TX	Pass	831.5	13.00	5.42	1
LTE_15MHz_16QAM_1TX	Pass	831.5	13.00	6.38	1
LTE_15MHz_64QAM_1TX	Pass	831.5	13.00	6.17	1

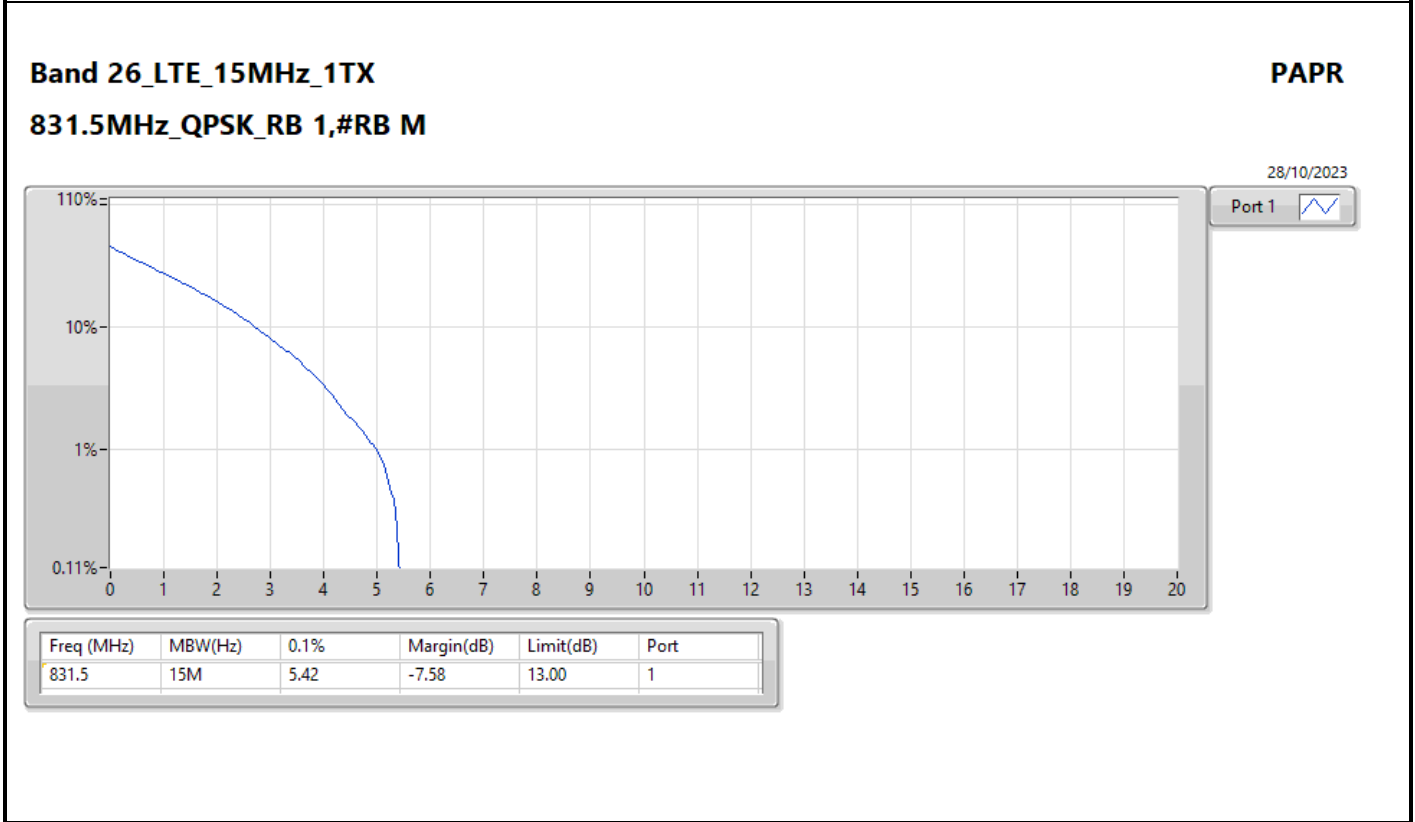
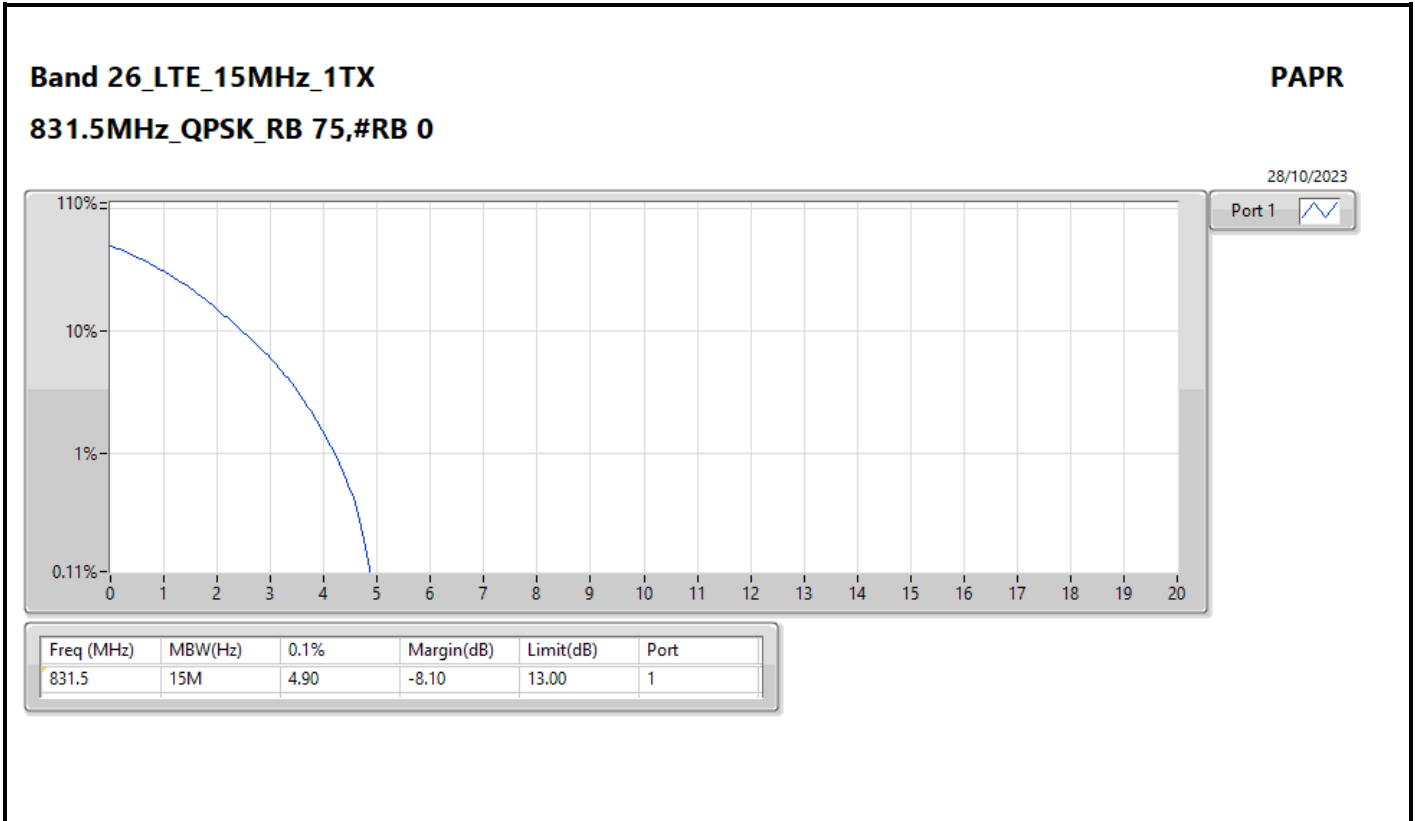


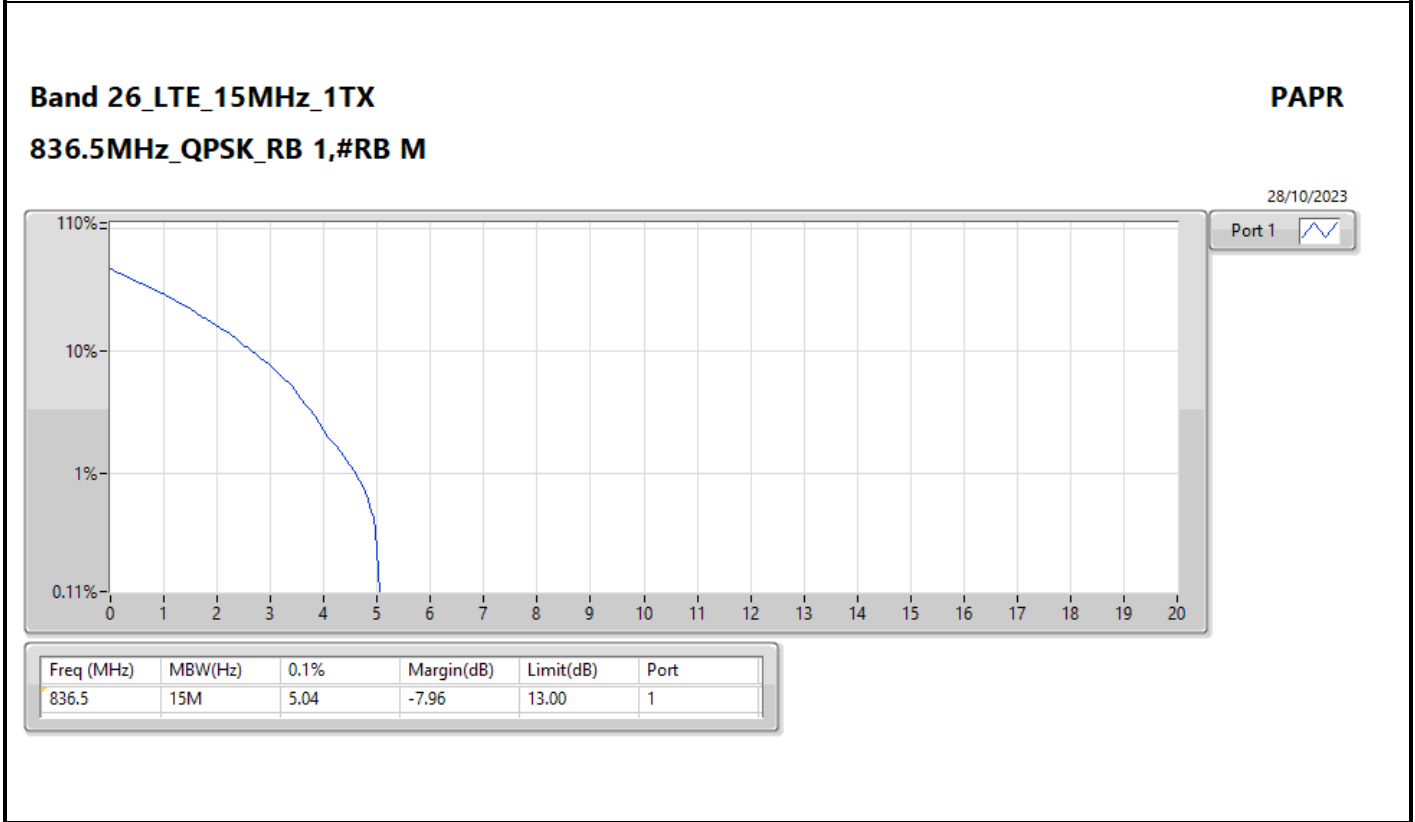
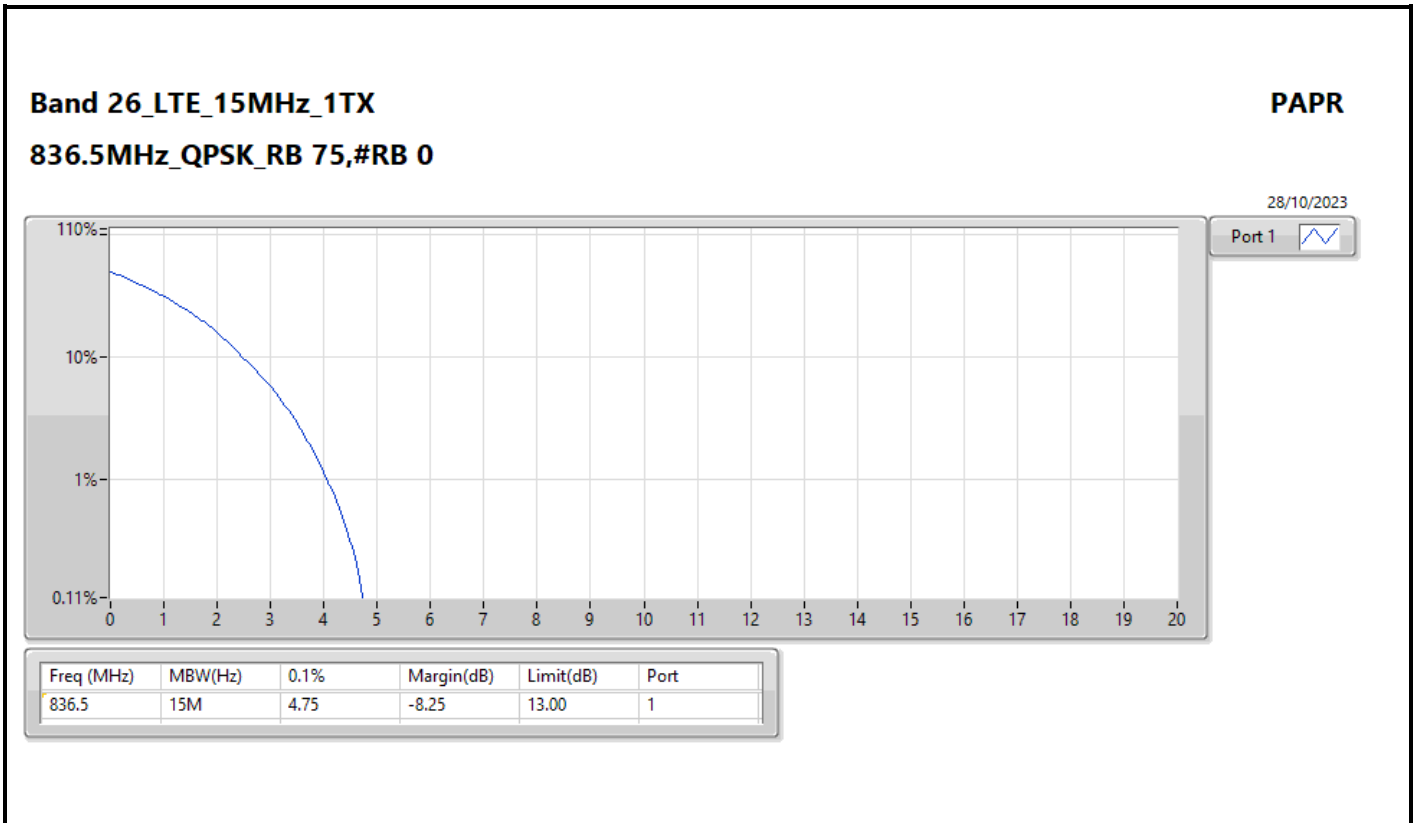
**Peak to Average Power Ratio (PAPR)  
(Mode 12: LTE Band 26)**

**Appendix B.12**

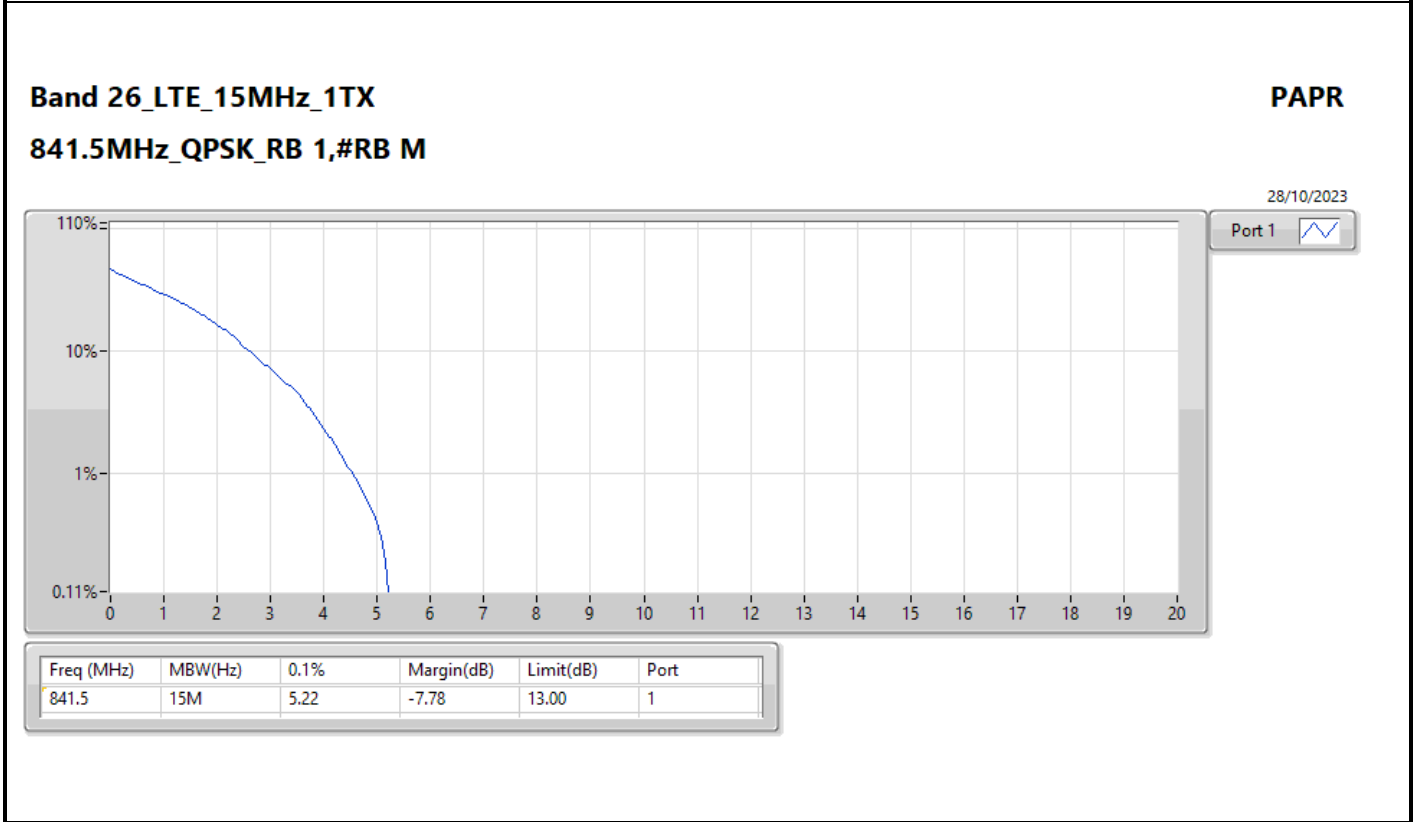
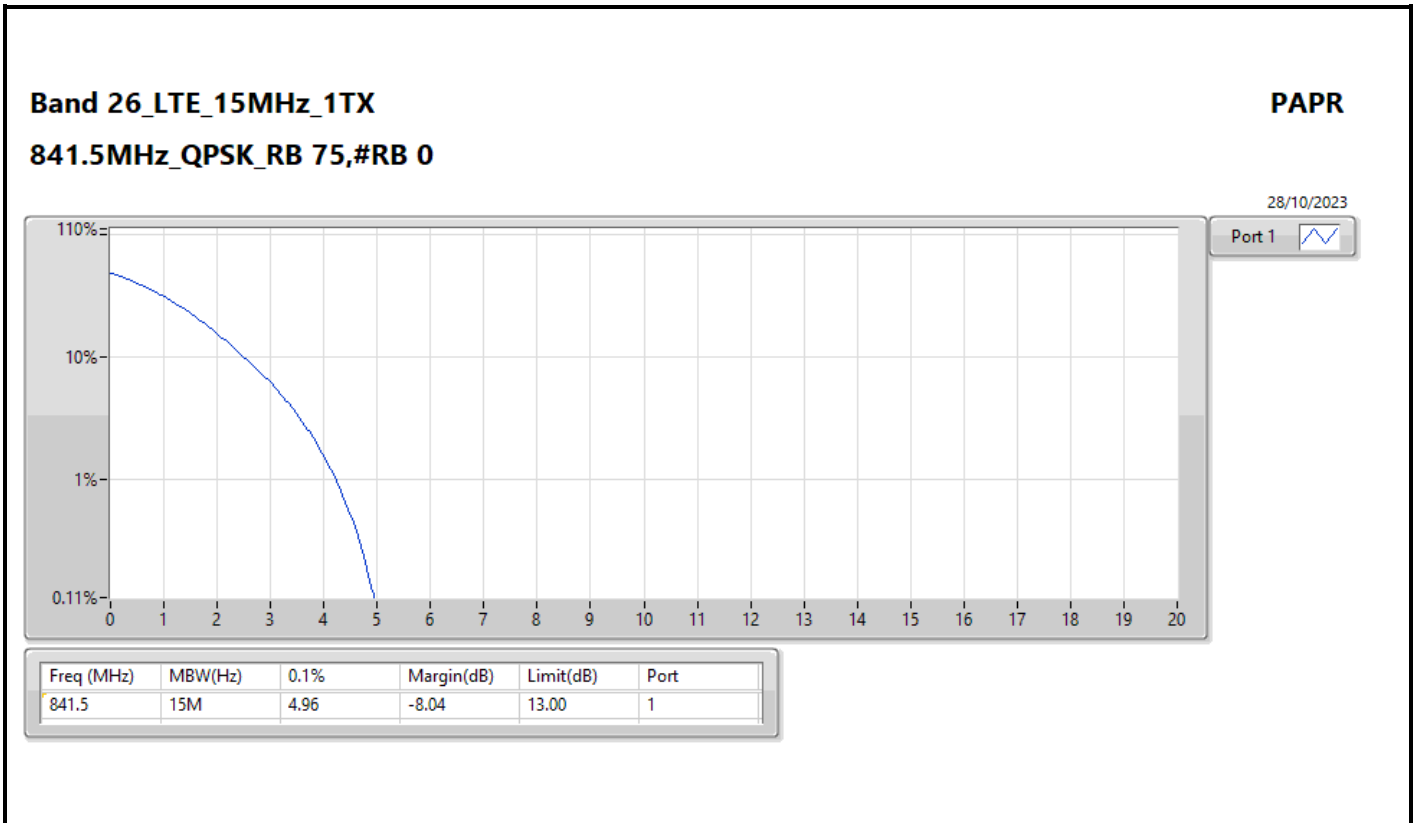
**Result**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 26_LTE_15MHz_QPSK_1TX	-	-	-	-	-
831.5MHz_RB 75,#RB 0	Pass	831.5	13.00	4.90	1
831.5MHz_RB 1,#RB M	Pass	831.5	13.00	5.42	1
836.5MHz_RB 75,#RB 0	Pass	836.5	13.00	4.75	1
836.5MHz_RB 1,#RB M	Pass	836.5	13.00	5.04	1
841.5MHz_RB 75,#RB 0	Pass	841.5	13.00	4.96	1
841.5MHz_RB 1,#RB M	Pass	841.5	13.00	5.22	1
Band 26_LTE_15MHz_16QAM_1TX	-	-	-	-	-
831.5MHz_RB 75,#RB 0	Pass	831.5	13.00	6.17	1
831.5MHz_RB 1,#RB M	Pass	831.5	13.00	6.38	1
836.5MHz_RB 75,#RB 0	Pass	836.5	13.00	6.03	1
836.5MHz_RB 1,#RB M	Pass	836.5	13.00	5.68	1
841.5MHz_RB 75,#RB 0	Pass	841.5	13.00	6.14	1
841.5MHz_RB 1,#RB M	Pass	841.5	13.00	5.88	1
Band 26_LTE_15MHz_64QAM_1TX	-	-	-	-	-
831.5MHz_RB 75,#RB 0	Pass	831.5	13.00	6.14	1
831.5MHz_RB 1,#RB M	Pass	831.5	13.00	6.17	1
836.5MHz_RB 75,#RB 0	Pass	836.5	13.00	6.00	1
836.5MHz_RB 1,#RB M	Pass	836.5	13.00	5.88	1
841.5MHz_RB 75,#RB 0	Pass	841.5	13.00	6.12	1
841.5MHz_RB 1,#RB M	Pass	841.5	13.00	5.68	1







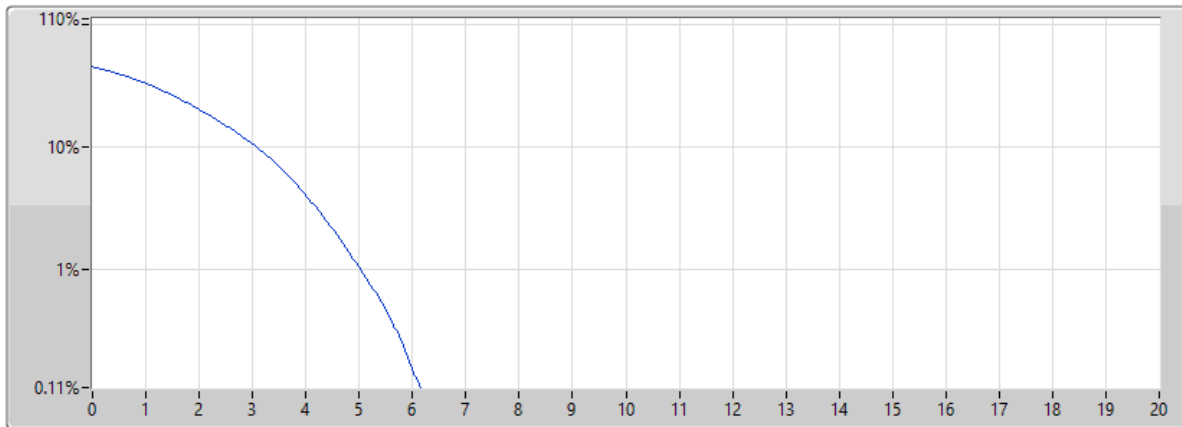



**Band 26\_LTE\_15MHz\_1TX**

**PAPR**

**831.5MHz\_16QAM\_RB 75,#RB 0**

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Port 1 

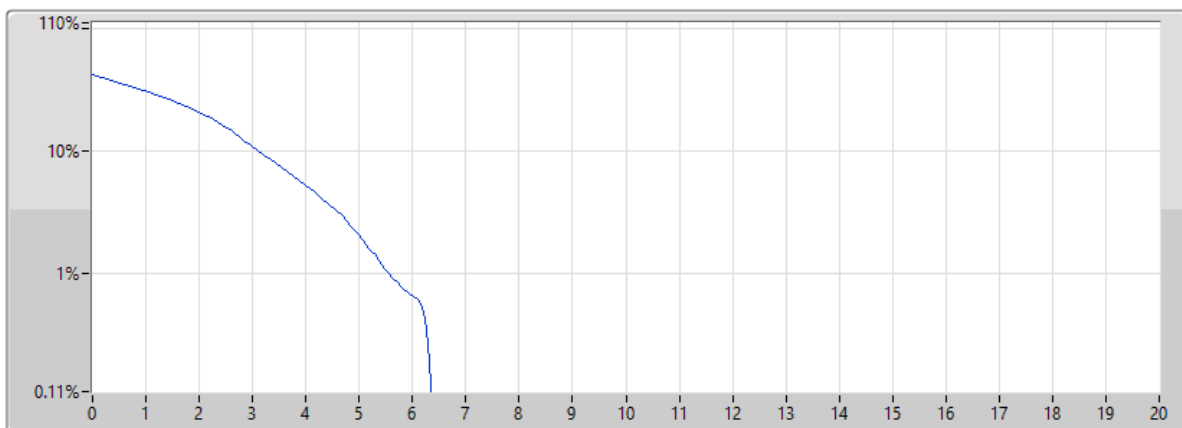
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
831.5	15M	6.17	-6.83	13.00	1


**Band 26\_LTE\_15MHz\_1TX**

**PAPR**

**831.5MHz\_16QAM\_RB 1,#RB M**

28/10/2023



Port 1 

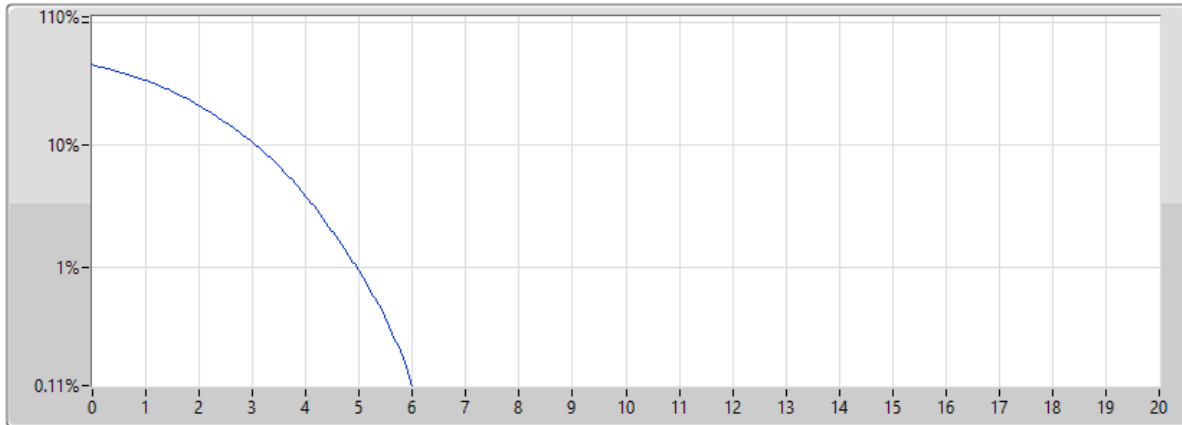
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
831.5	15M	6.38	-6.62	13.00	1


**Band 26\_LTE\_15MHz\_1TX**

**PAPR**

**836.5MHz\_16QAM\_RB 75,#RB 0**

28/10/2023



Port 1 

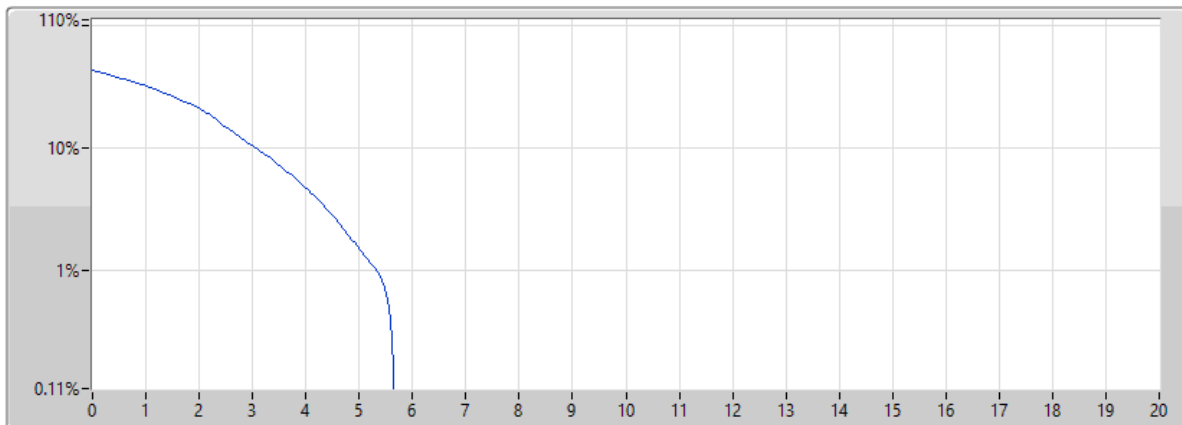
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
836.5	15M	6.03	-6.97	13.00	1


**Band 26\_LTE\_15MHz\_1TX**

**PAPR**

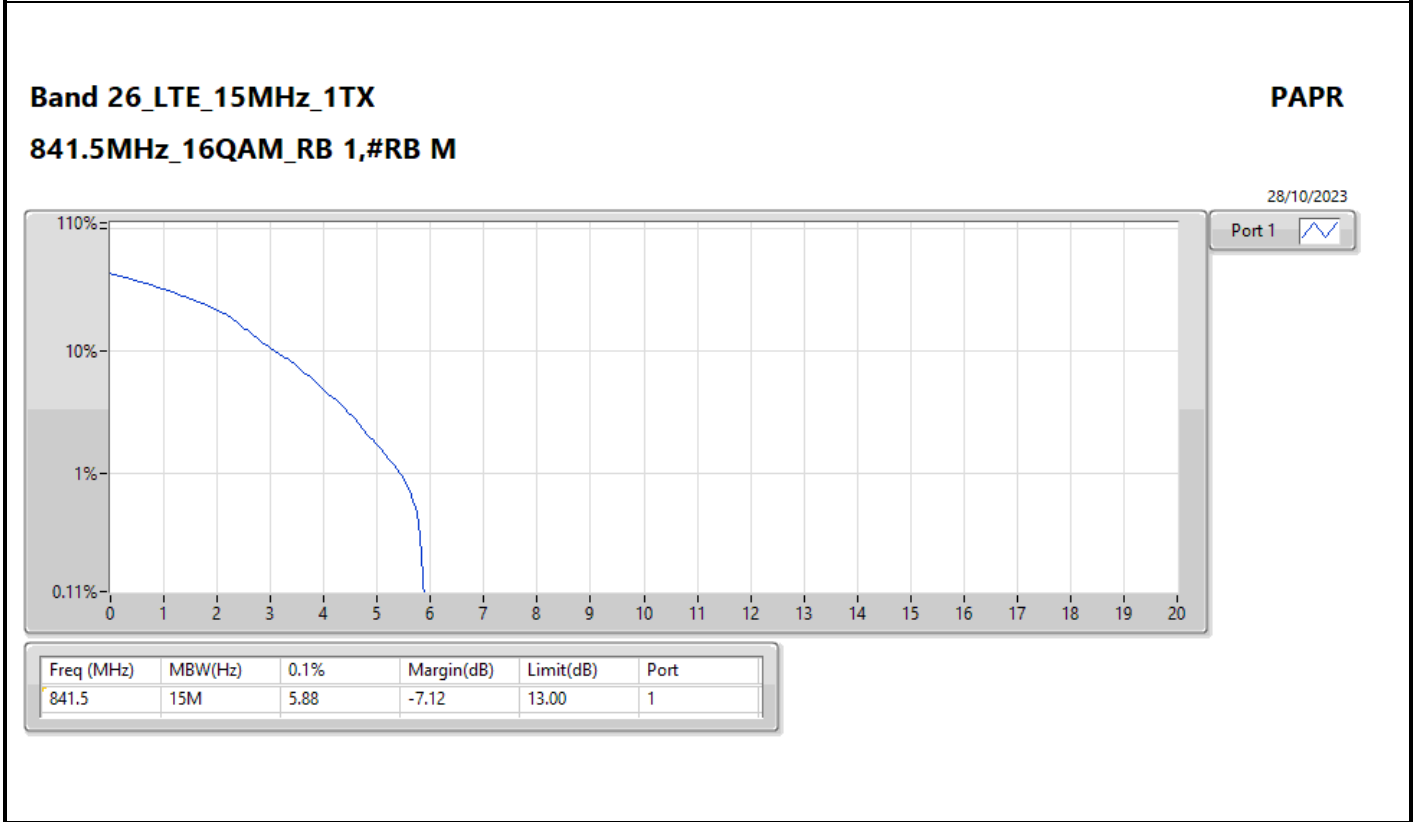
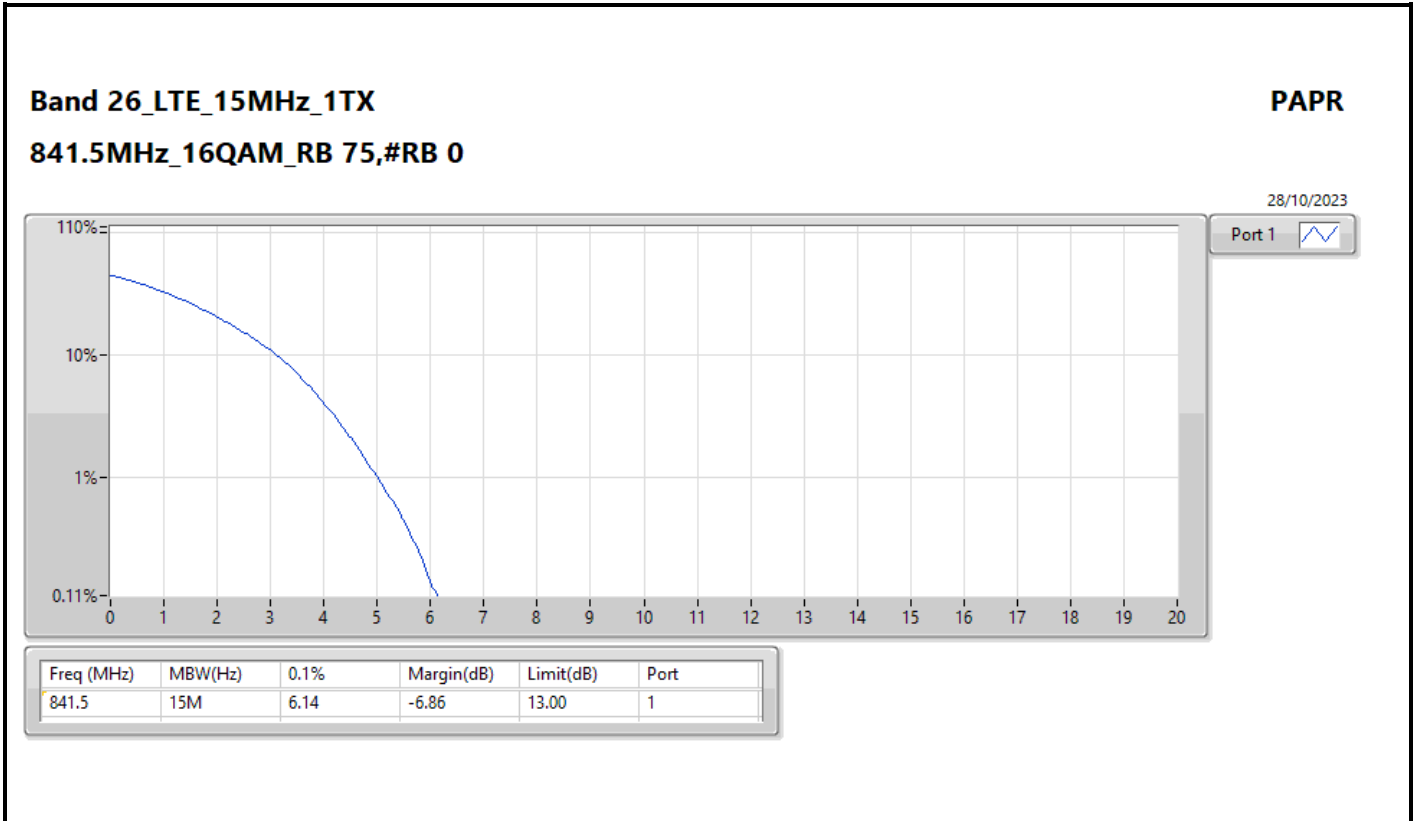
**836.5MHz\_16QAM\_RB 1,#RB M**

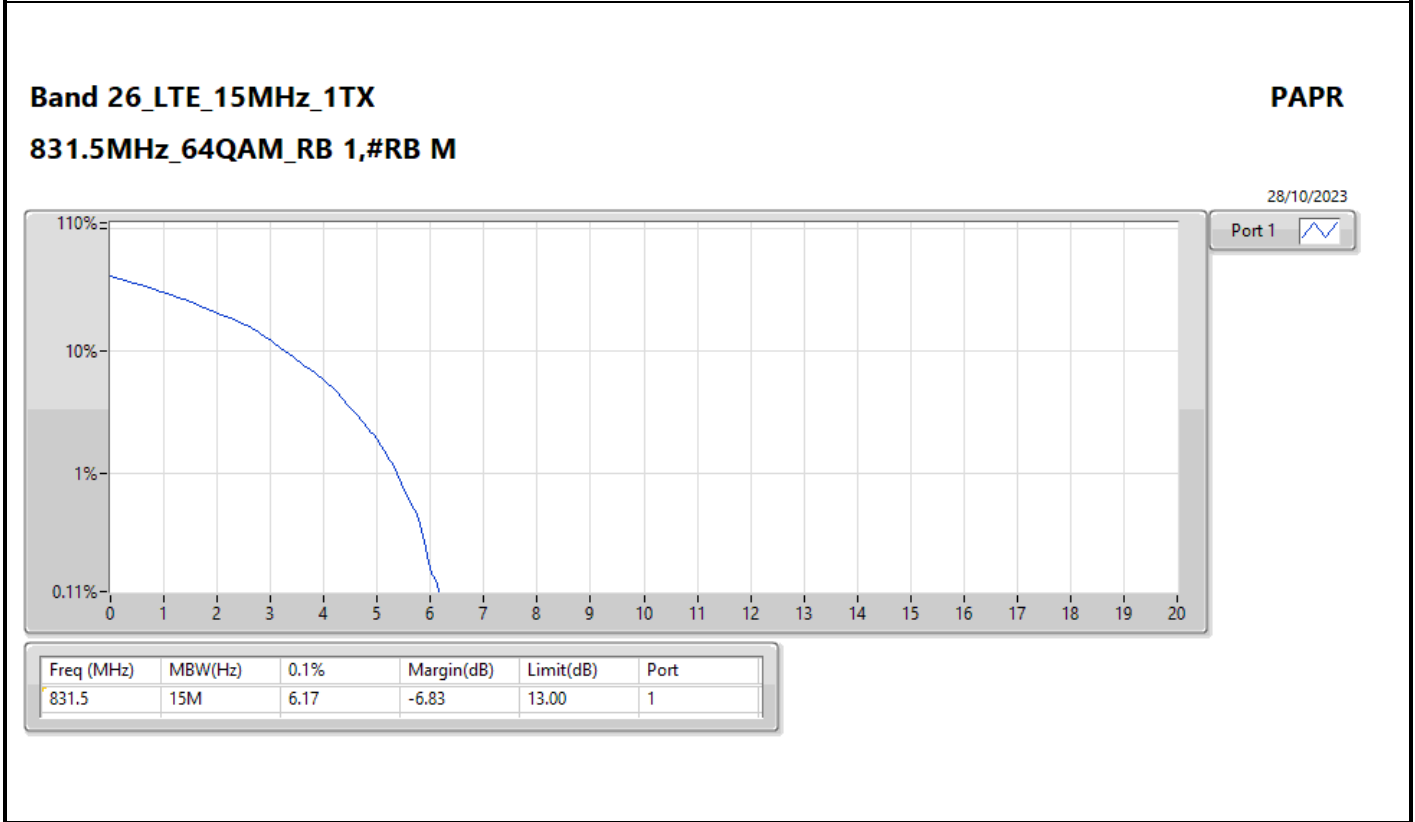
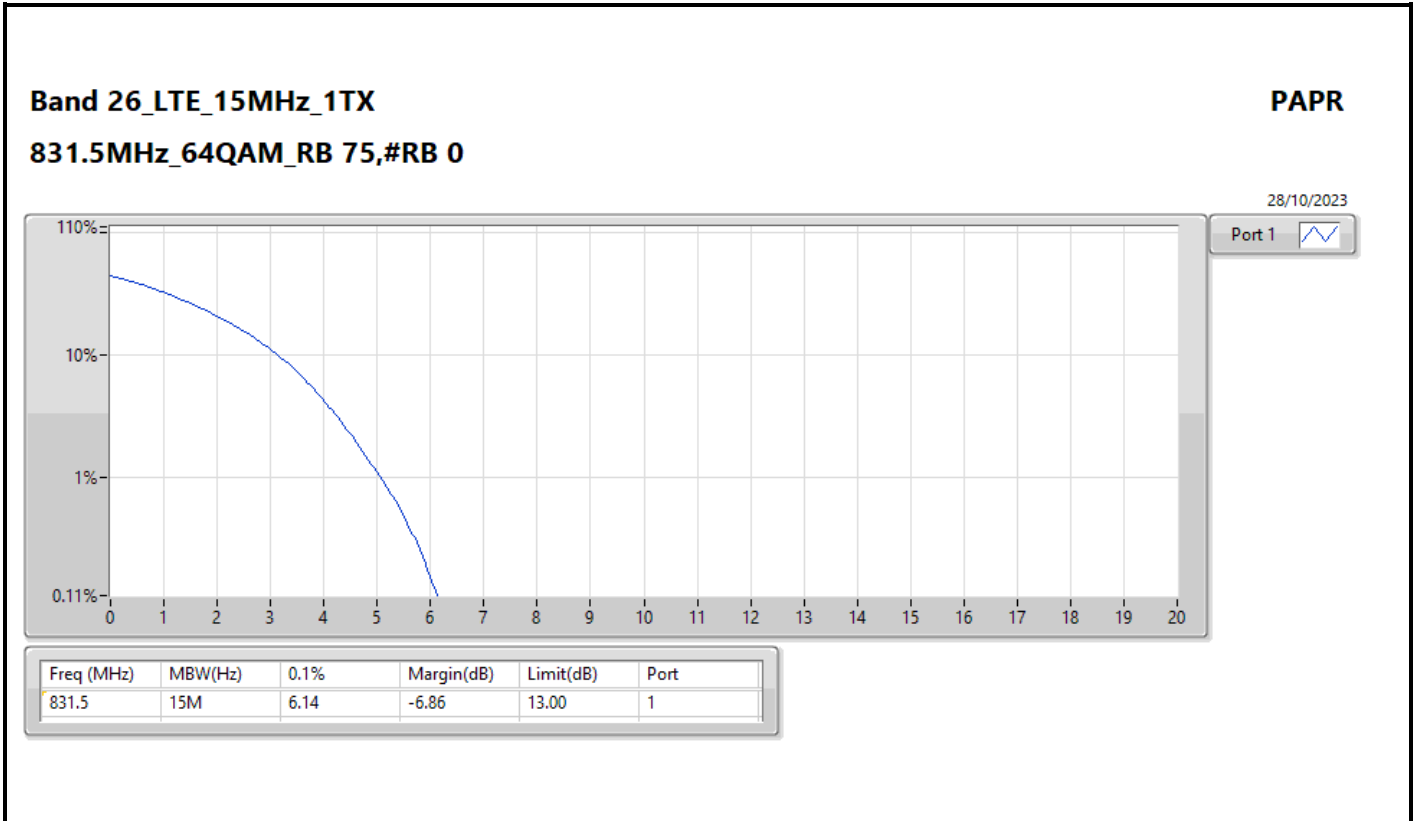
28/10/2023

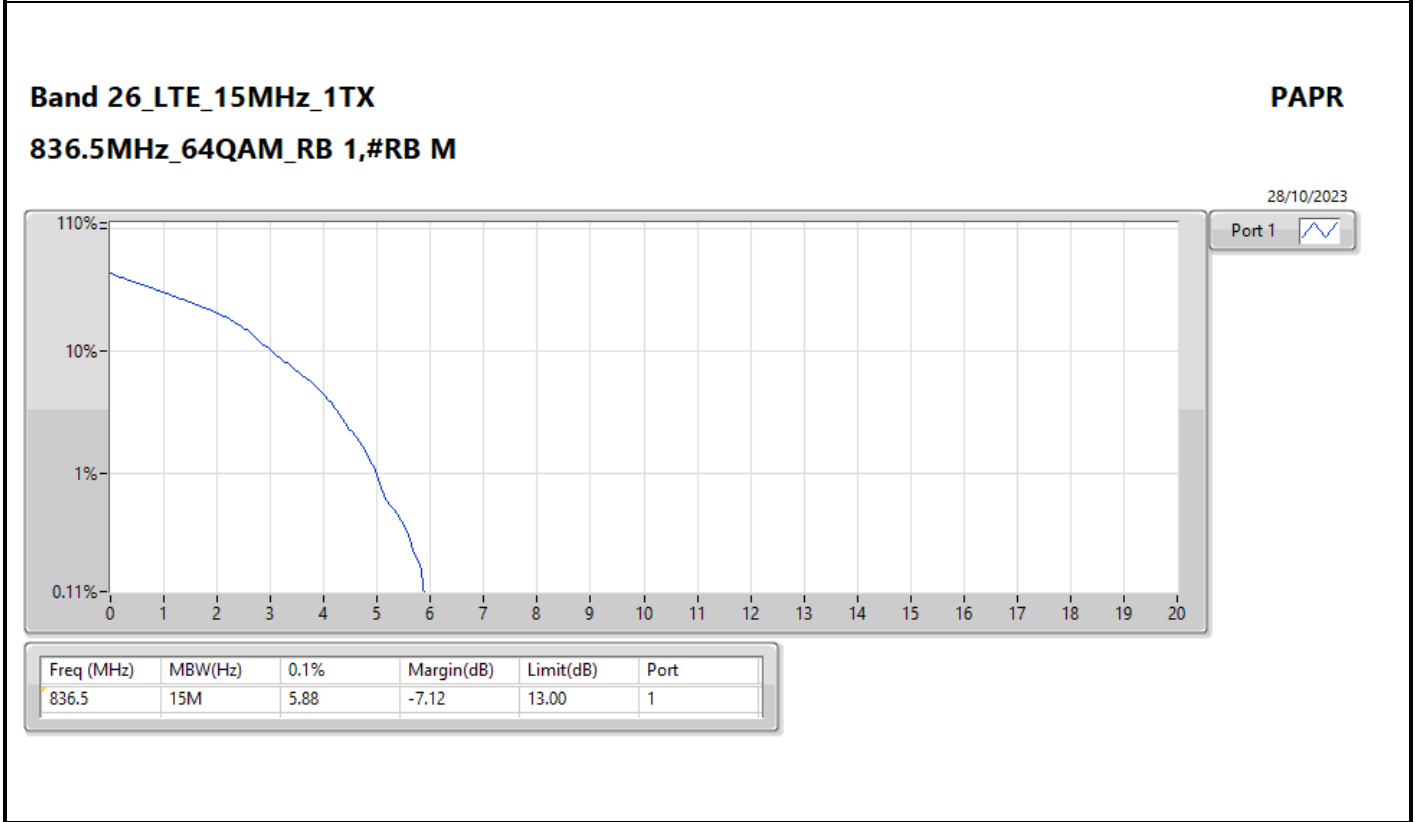
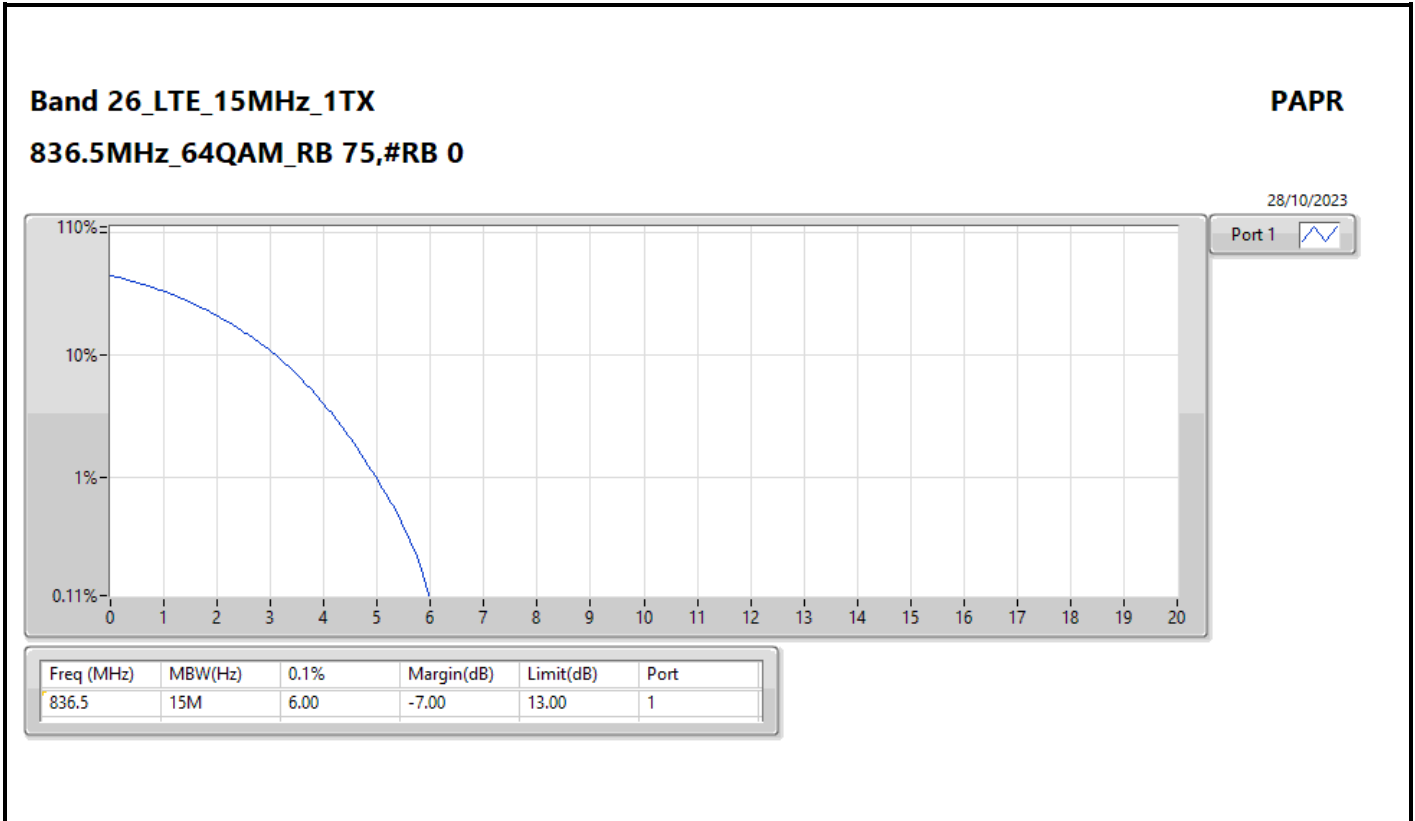


Port 1 

Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
836.5	15M	5.68	-7.32	13.00	1





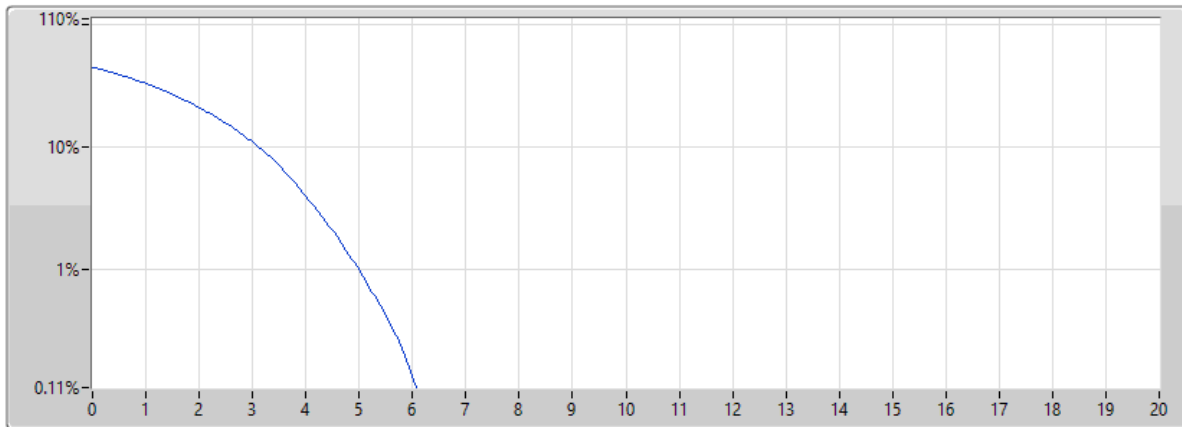



**Band 26\_LTE\_15MHz\_1TX**

**PAPR**

**841.5MHz\_64QAM\_RB 75,#RB 0**

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Port 1 

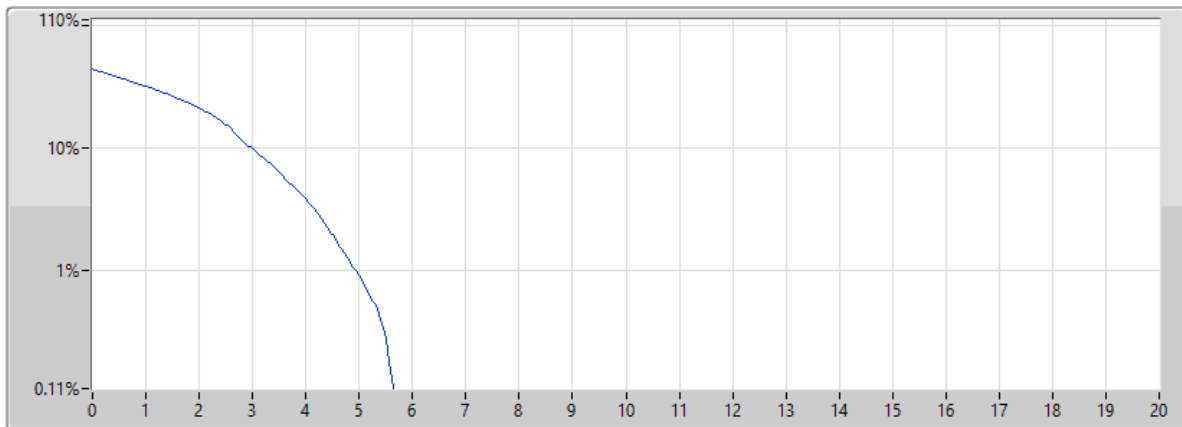
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
841.5	15M	6.12	-6.88	13.00	1


**Band 26\_LTE\_15MHz\_1TX**

**PAPR**

**841.5MHz\_64QAM\_RB 1,#RB M**

28/10/2023



Port 1 

Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
841.5	15M	5.68	-7.32	13.00	1



**Peak to Average Power Ratio (PAPR)  
(Mode 13: LTE Band 38)**

**Appendix B.13**

**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 38	-	-	-	-	-
LTE_20MHz_QPSK_1TX	Pass	2595	13.00	10.72	1
LTE_20MHz_16QAM_1TX	Pass	2610	13.00	11.94	1
LTE_20MHz_64QAM_1TX	Pass	2595	13.00	9.74	1



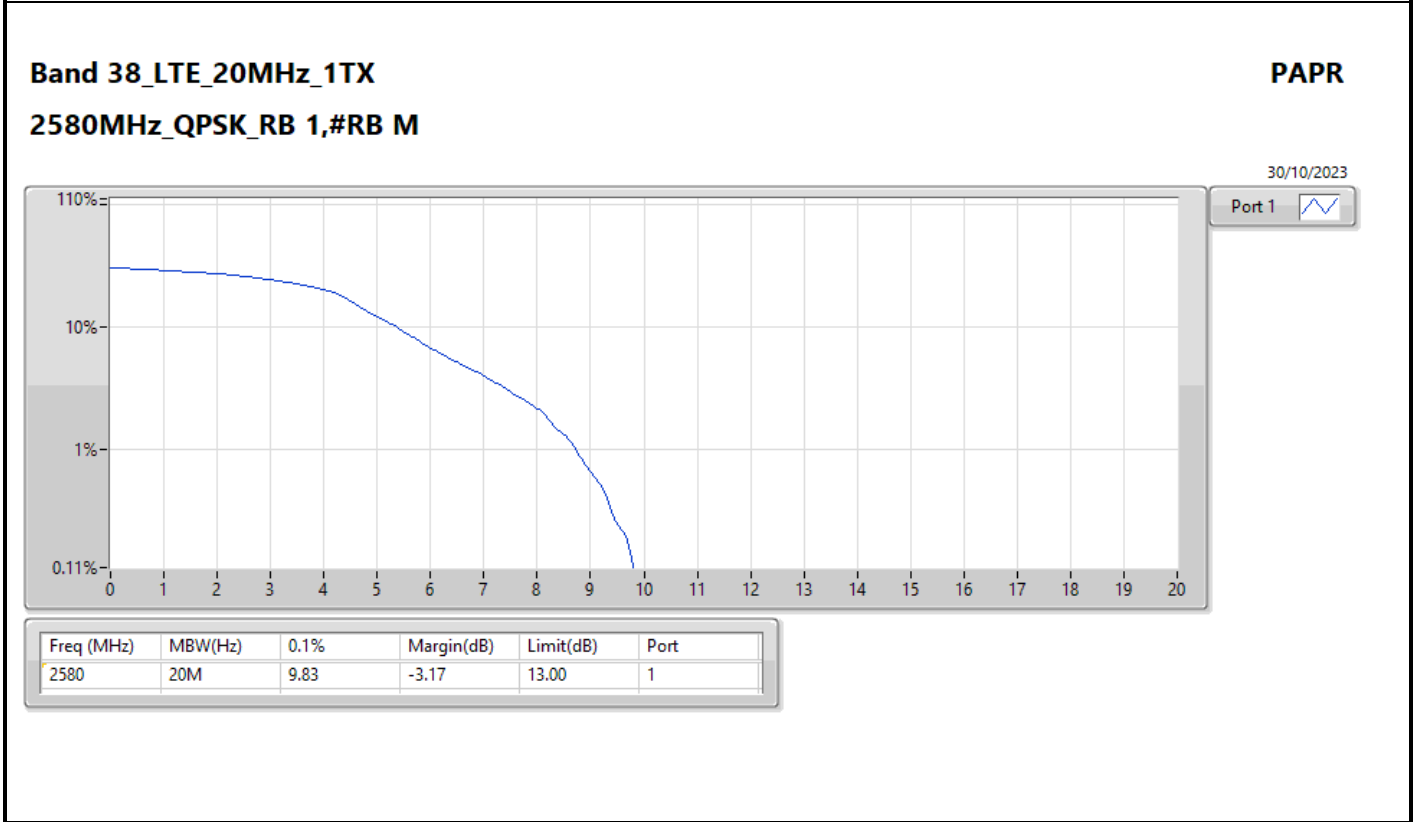
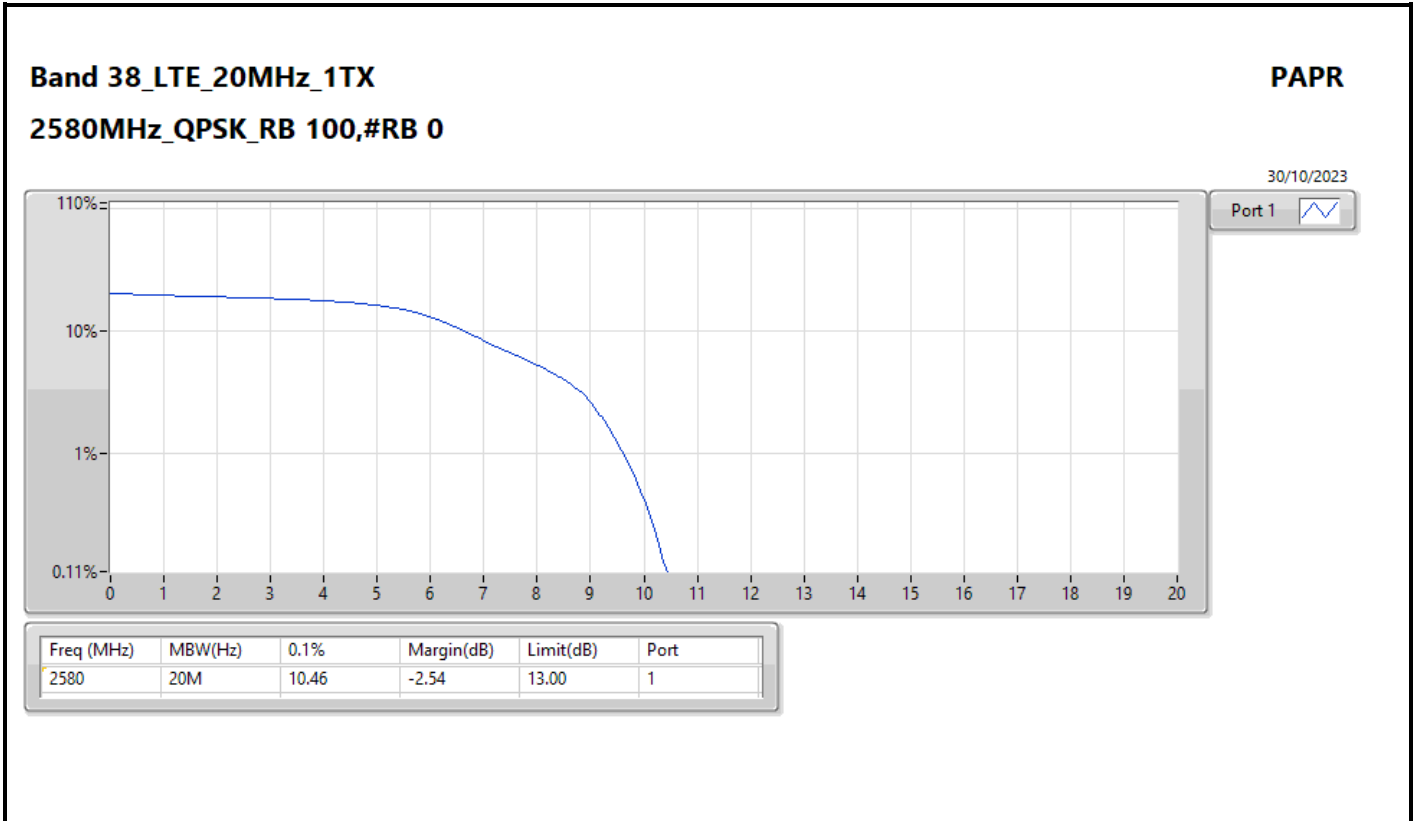


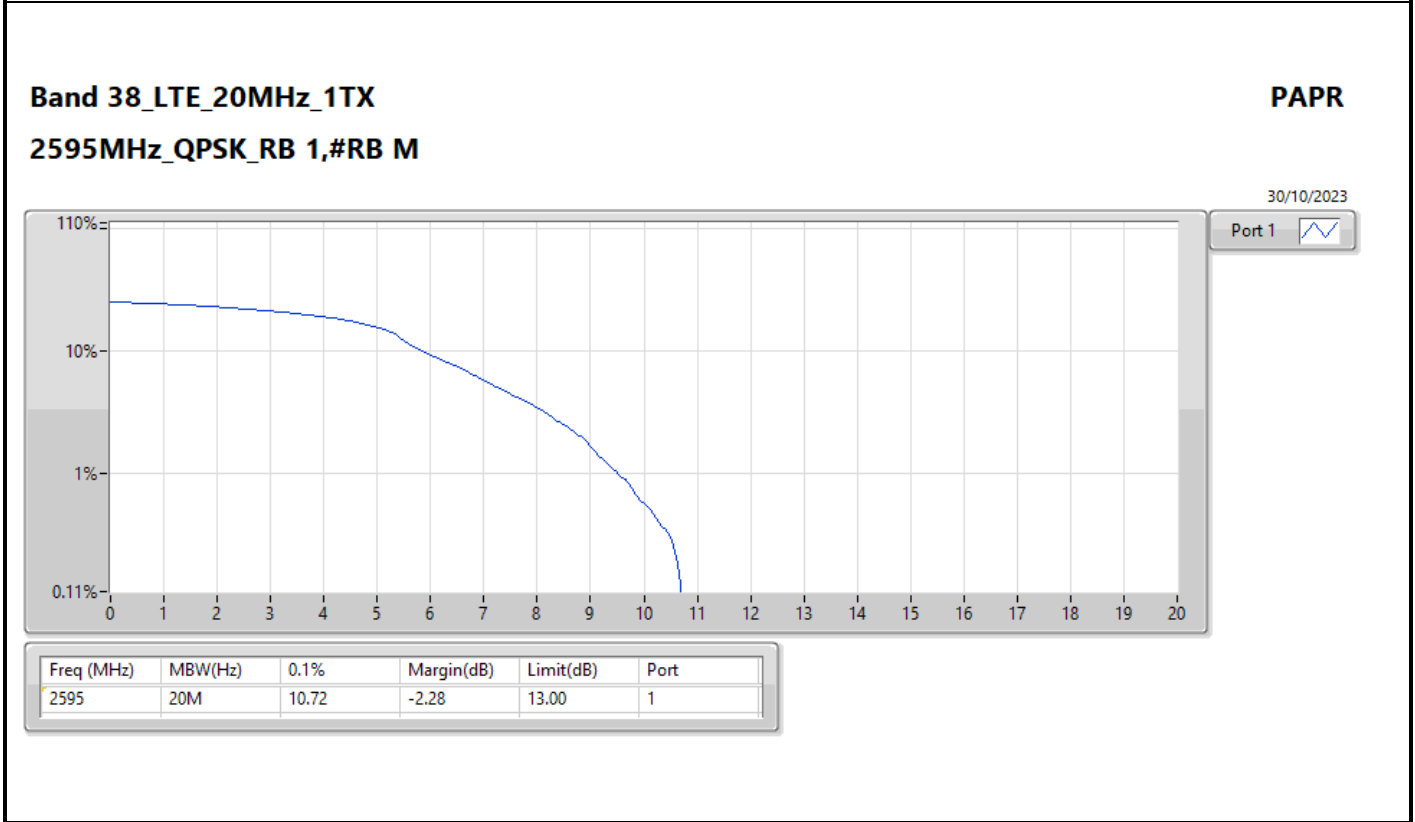
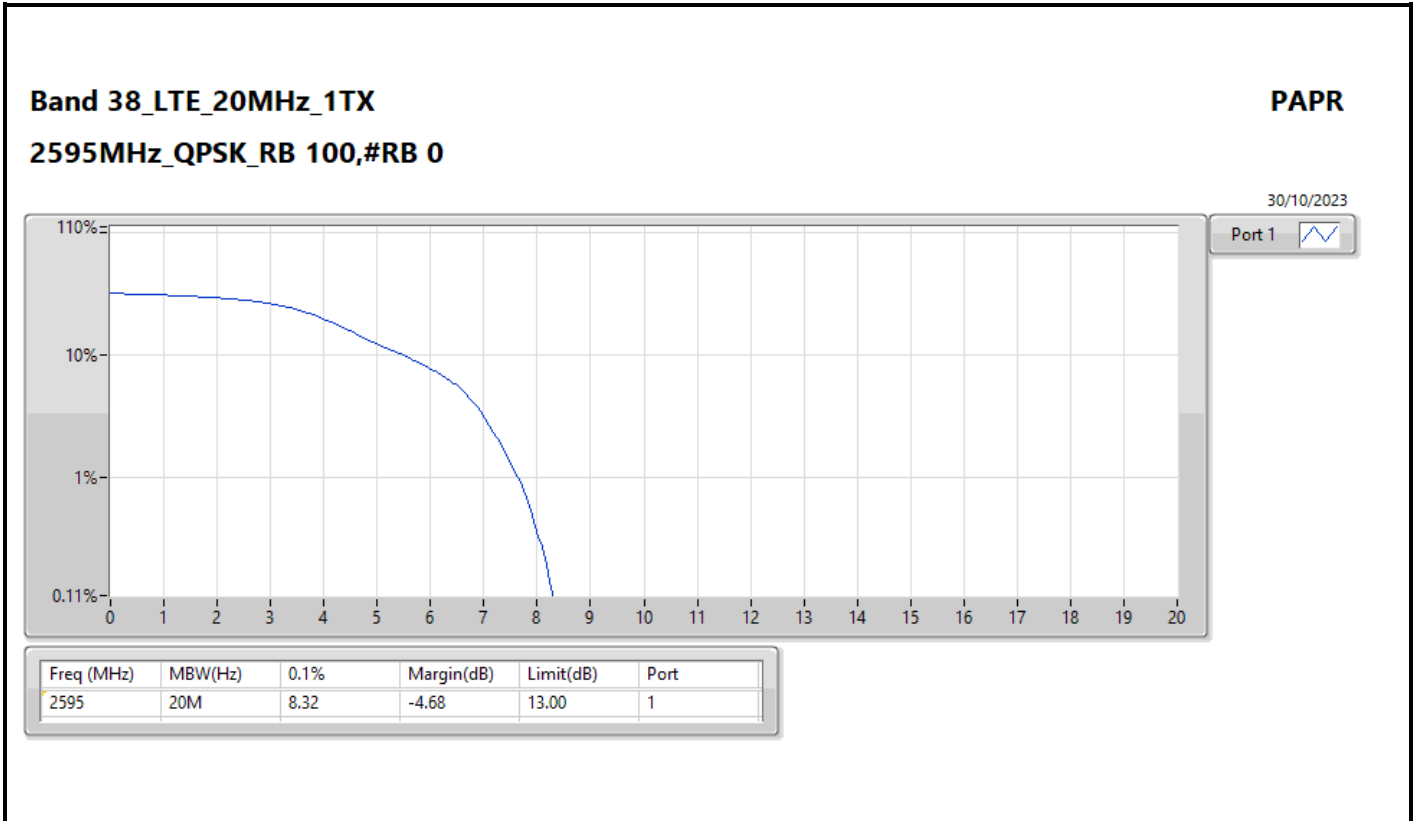
**Peak to Average Power Ratio (PAPR)  
(Mode 13: LTE Band 38)**

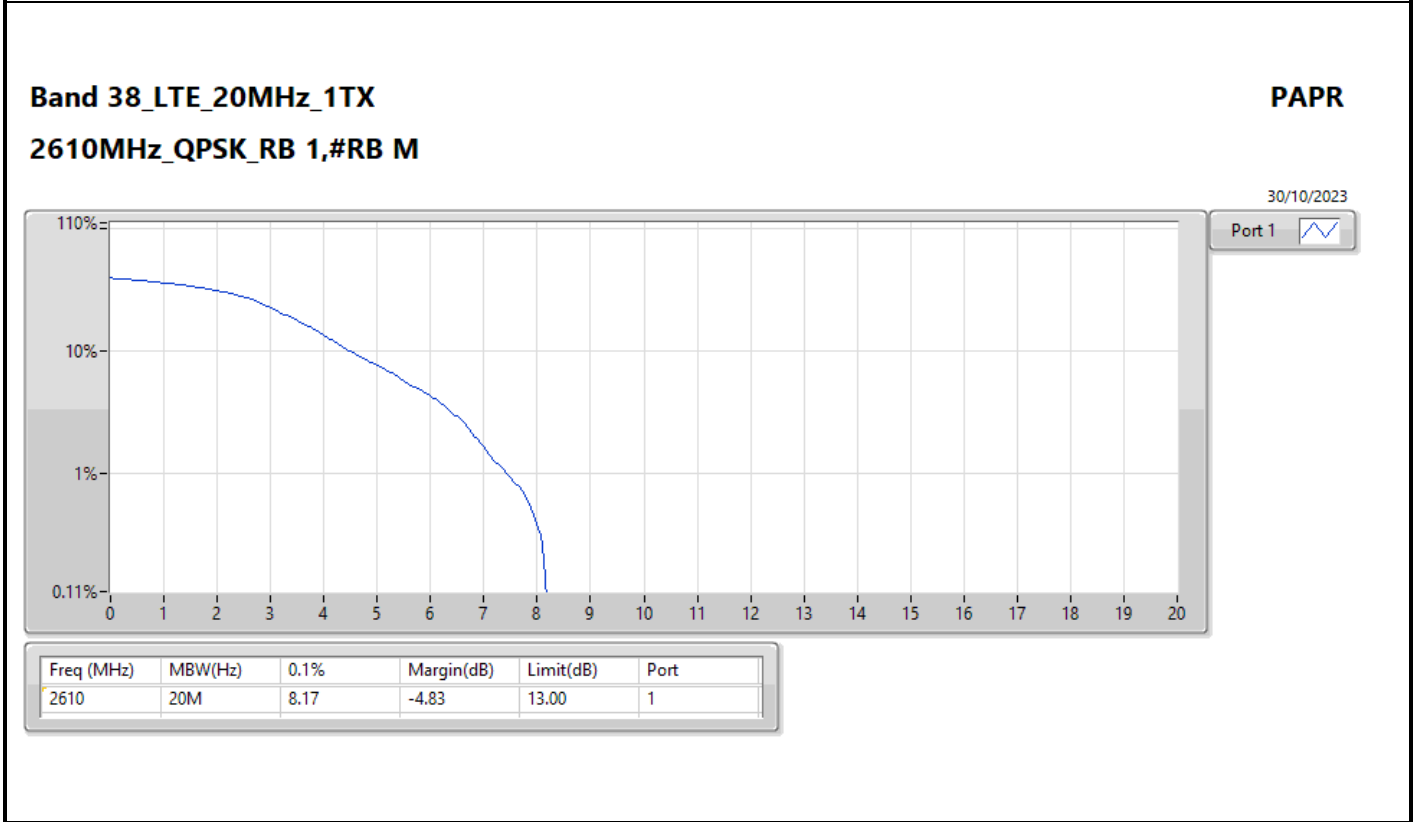
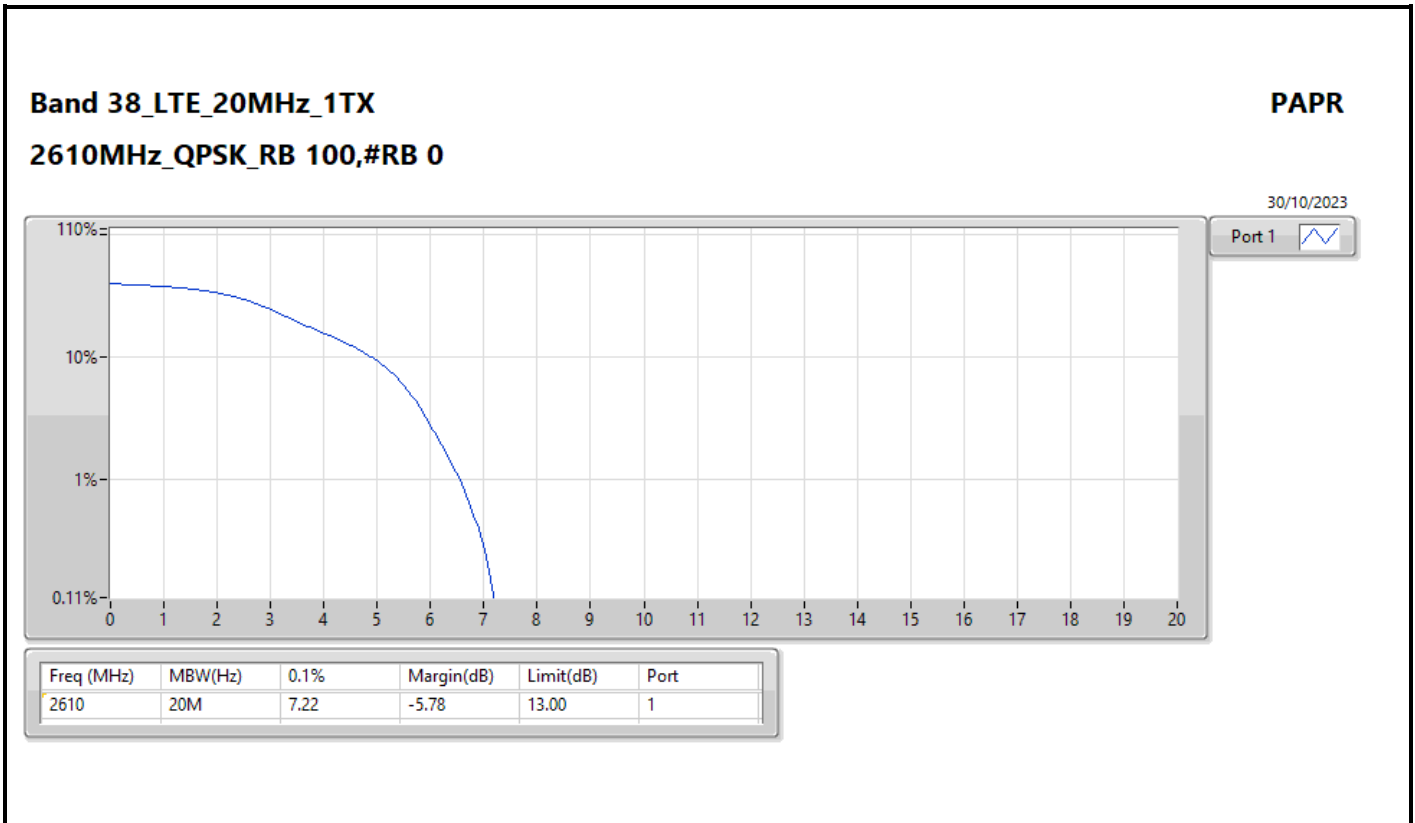
**Appendix B.13**

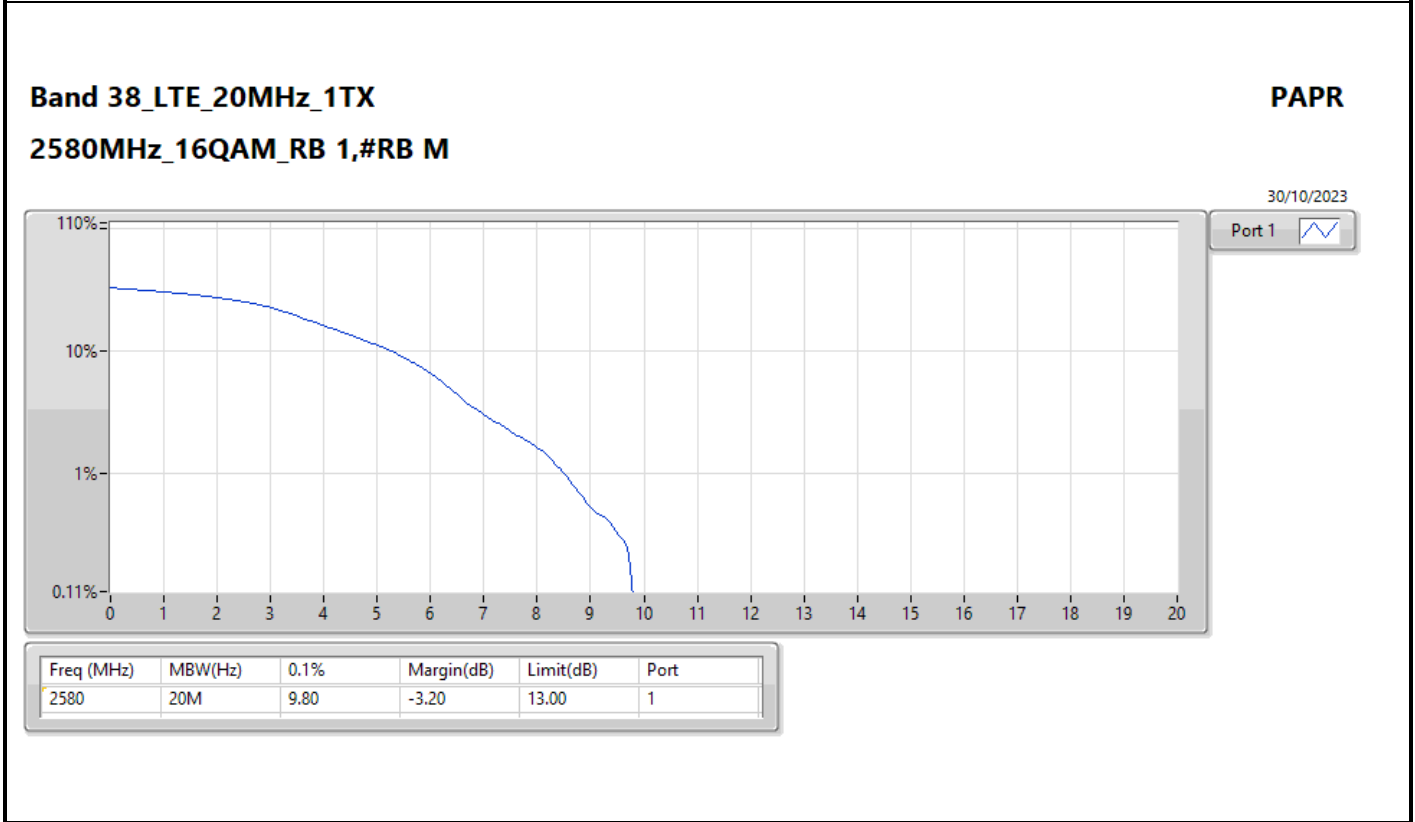
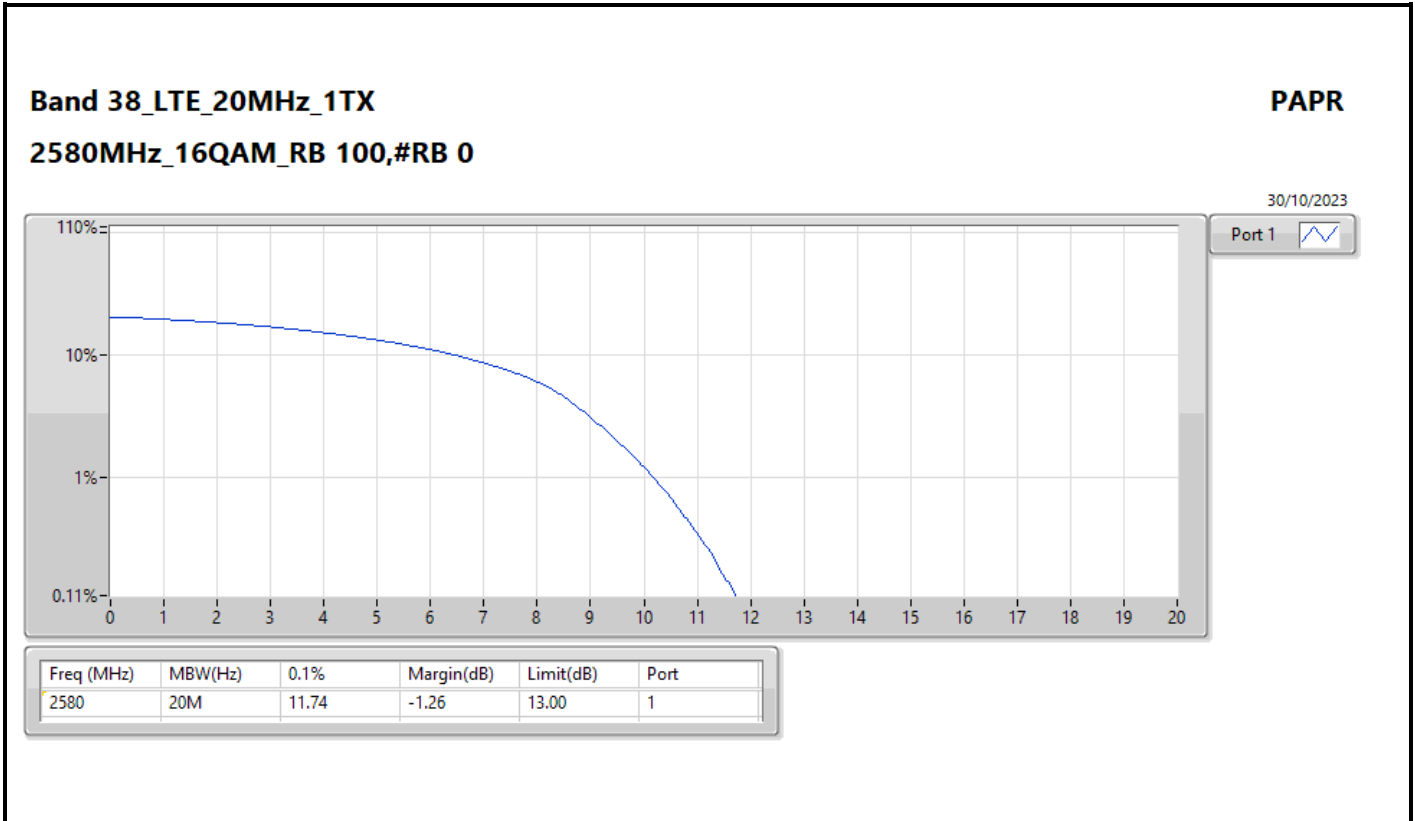
**Result**

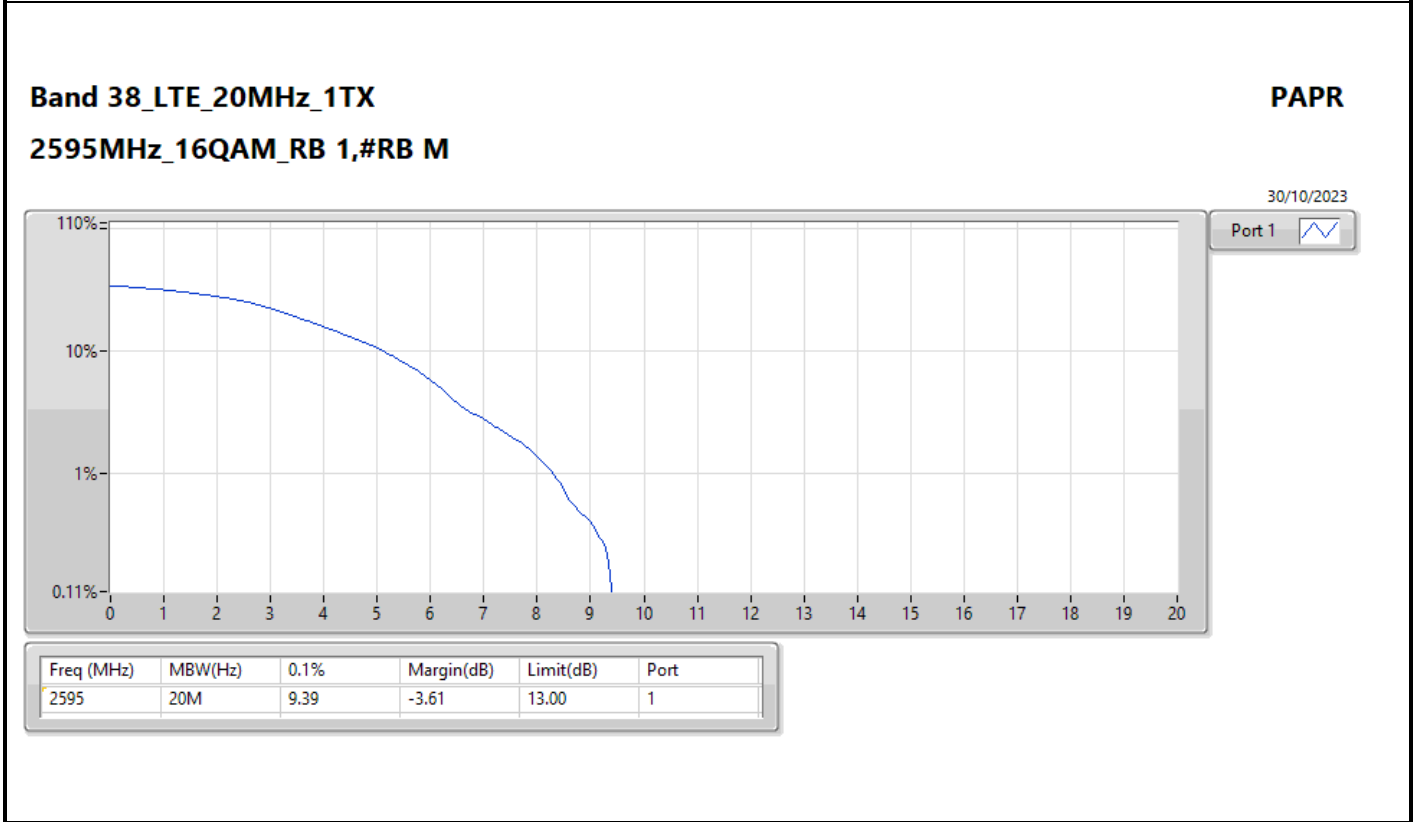
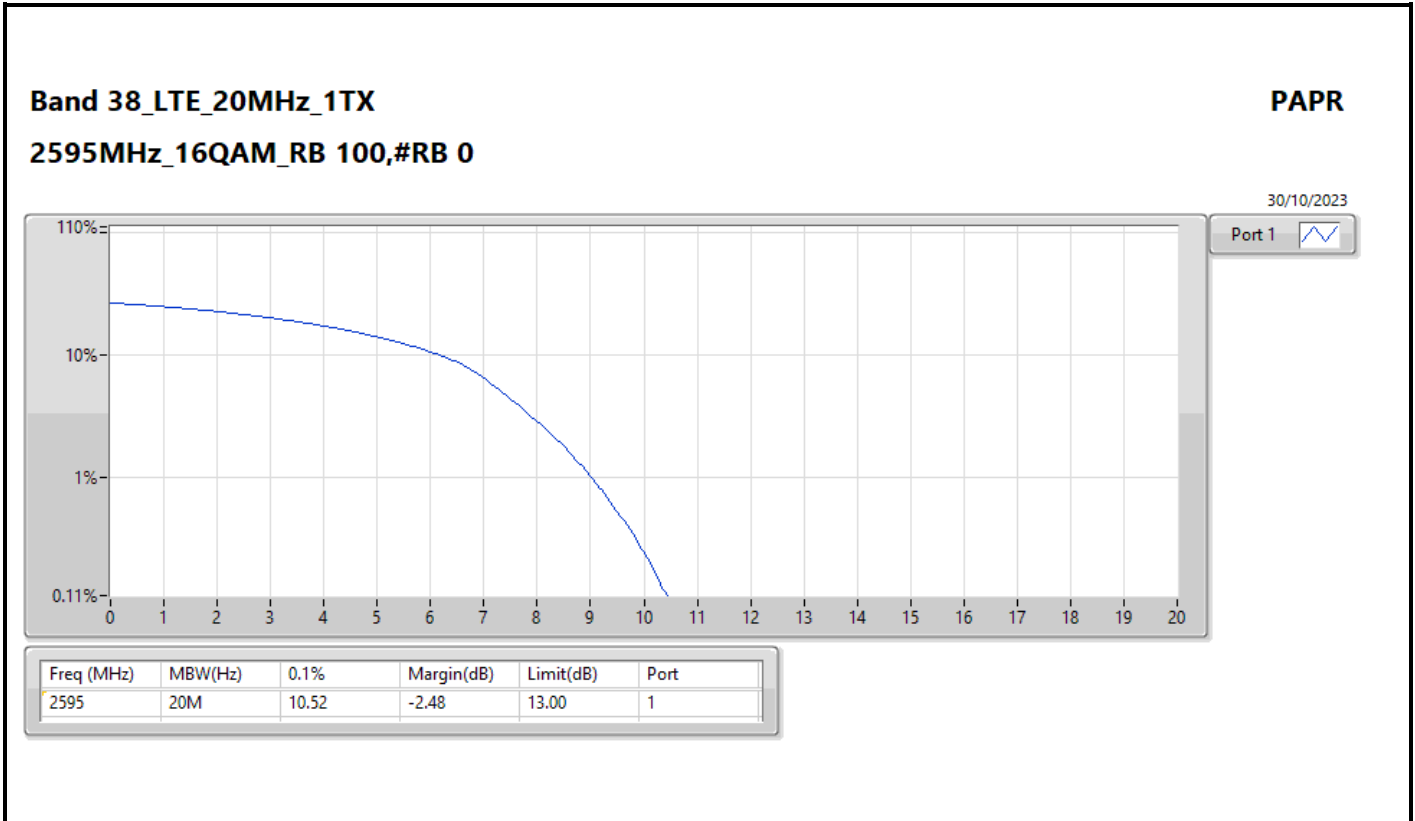
Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 38_LTE_20MHz_QPSK_1TX	-	-	-	-	-
2580MHz_RB 100,#RB 0	Pass	2580	13.00	10.46	1
2580MHz_RB 1,#RB M	Pass	2580	13.00	9.83	1
2595MHz_RB 100,#RB 0	Pass	2595	13.00	8.32	1
2595MHz_RB 1,#RB M	Pass	2595	13.00	10.72	1
2610MHz_RB 100,#RB 0	Pass	2610	13.00	7.22	1
2610MHz_RB 1,#RB M	Pass	2610	13.00	8.17	1
Band 38_LTE_20MHz_16QAM_1TX	-	-	-	-	-
2580MHz_RB 100,#RB 0	Pass	2580	13.00	11.74	1
2580MHz_RB 1,#RB M	Pass	2580	13.00	9.80	1
2595MHz_RB 100,#RB 0	Pass	2595	13.00	10.52	1
2595MHz_RB 1,#RB M	Pass	2595	13.00	9.39	1
2610MHz_RB 100,#RB 0	Pass	2610	13.00	11.51	1
2610MHz_RB 1,#RB M	Pass	2610	13.00	11.94	1
Band 38_LTE_20MHz_64QAM_1TX	-	-	-	-	-
2580MHz_RB 100,#RB 0	Pass	2580	13.00	8.81	1
2580MHz_RB 1,#RB M	Pass	2580	13.00	8.75	1
2595MHz_RB 100,#RB 0	Pass	2595	13.00	8.90	1
2595MHz_RB 1,#RB M	Pass	2595	13.00	9.74	1
2610MHz_RB 100,#RB 0	Pass	2610	13.00	9.42	1
2610MHz_RB 1,#RB M	Pass	2610	13.00	8.84	1

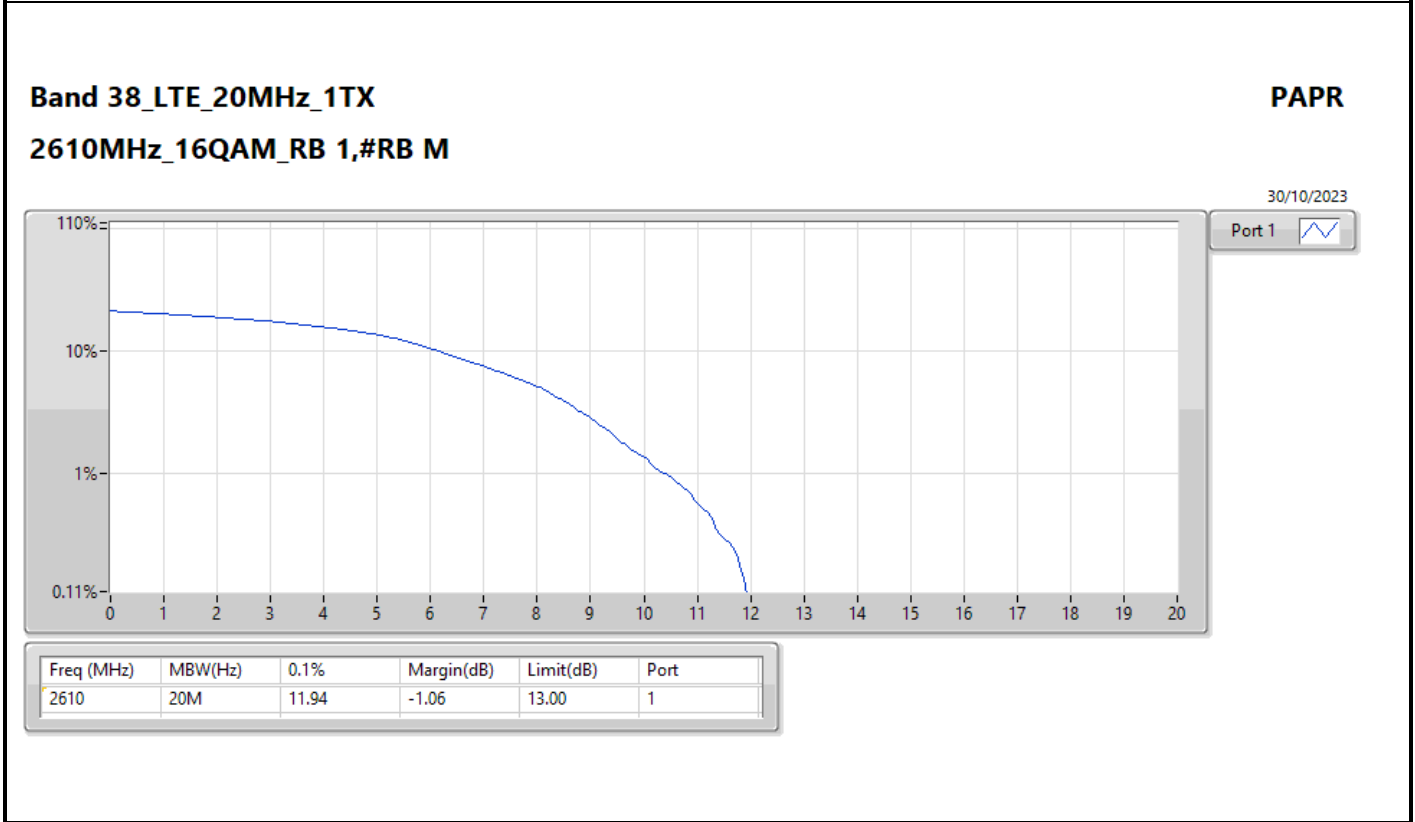
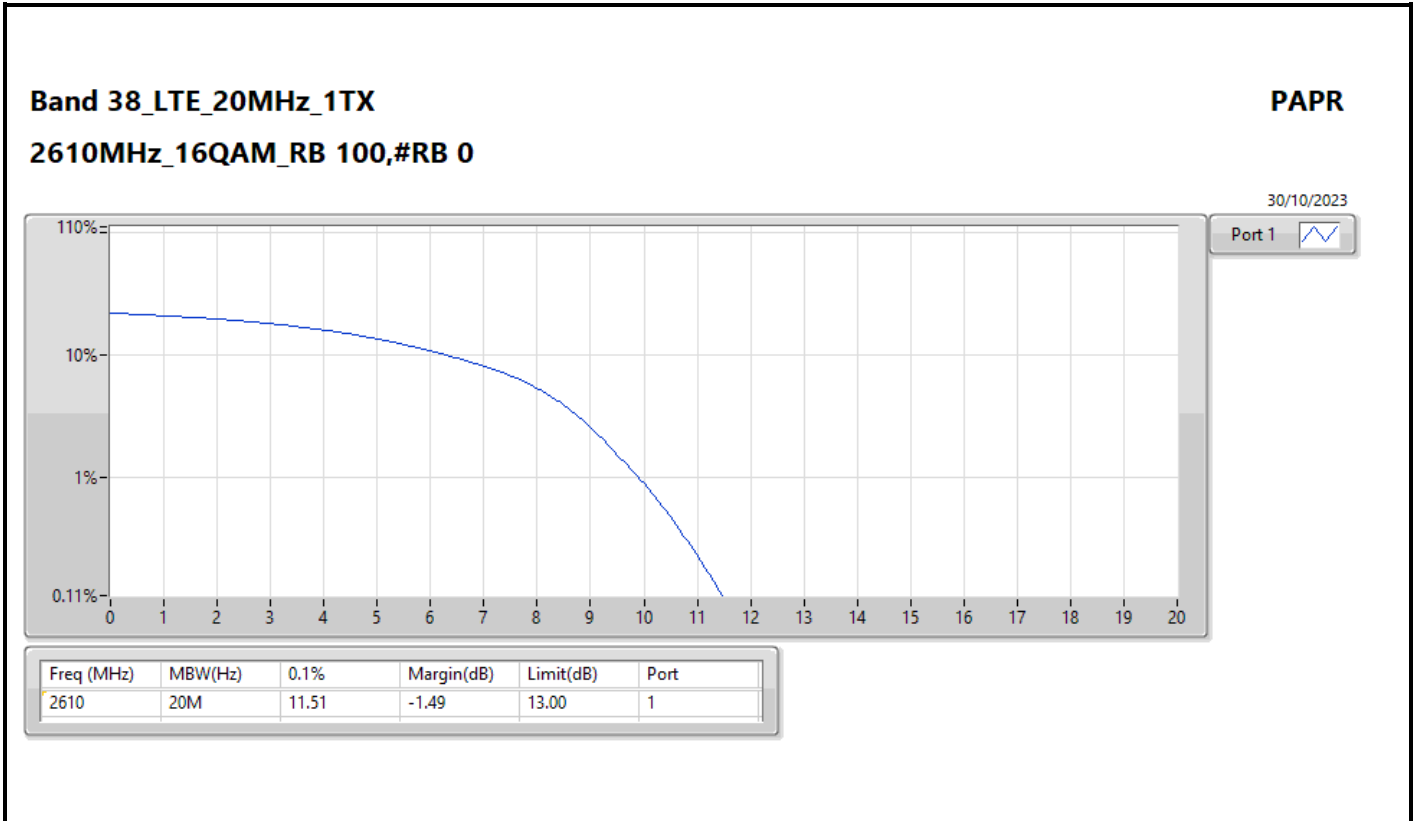


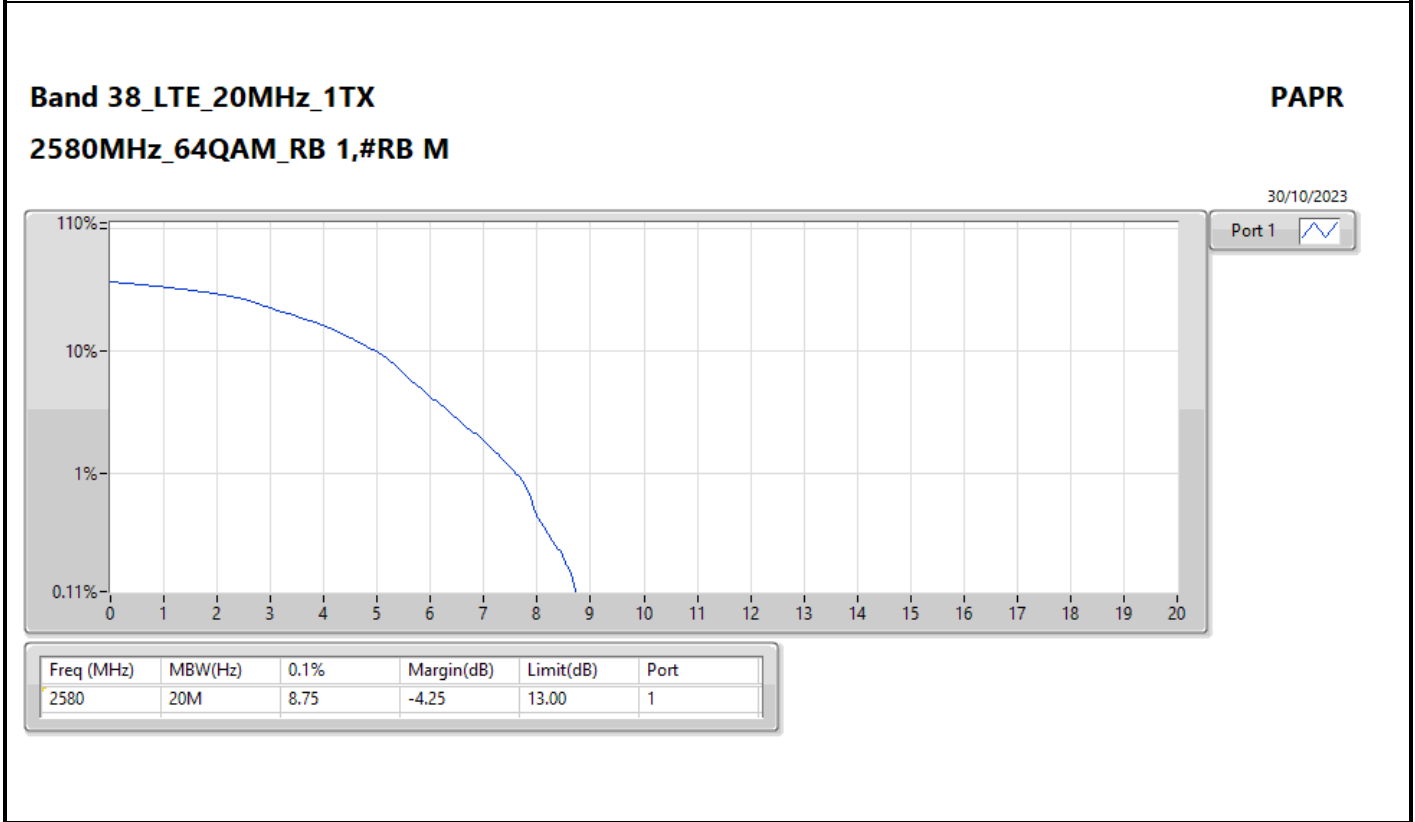
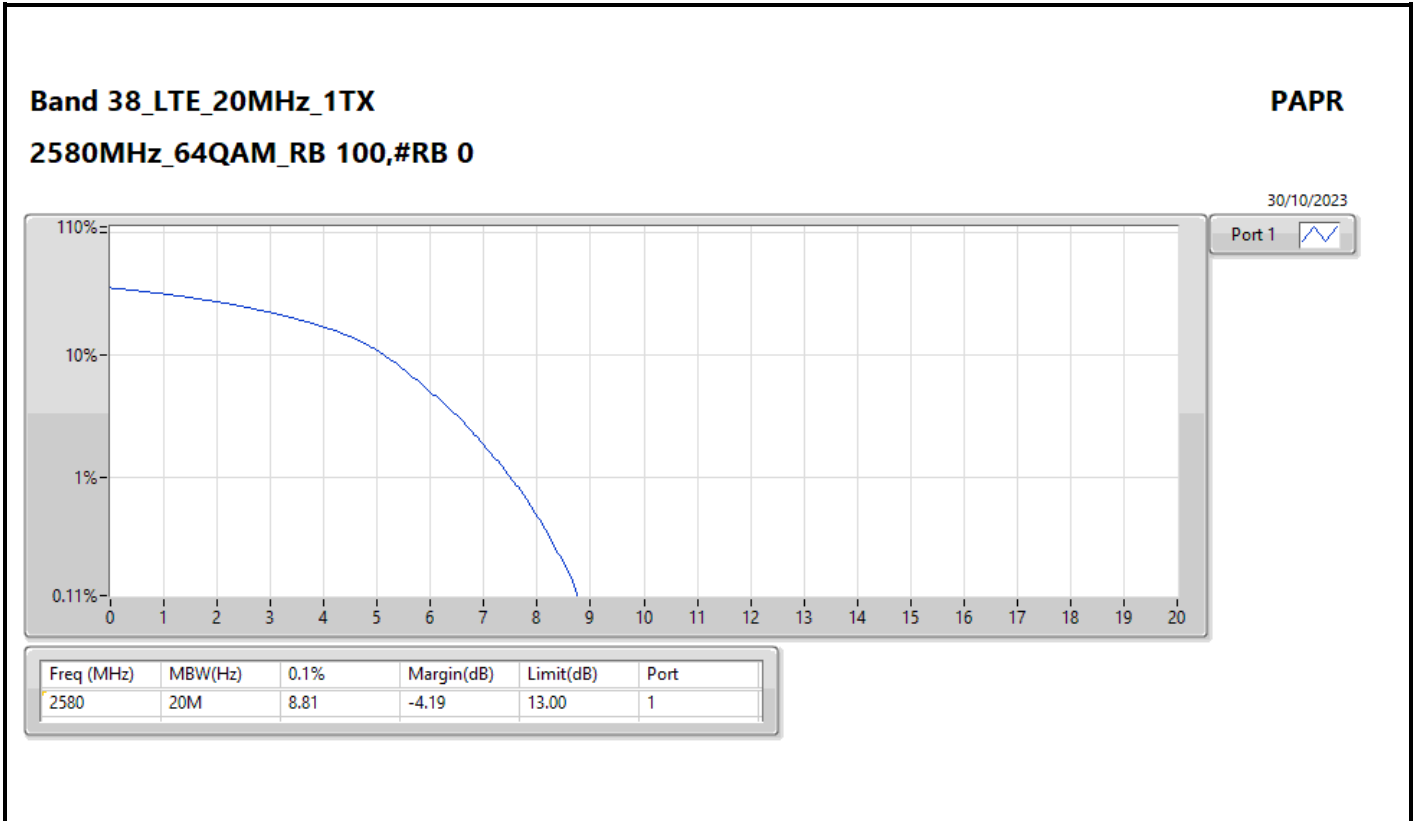












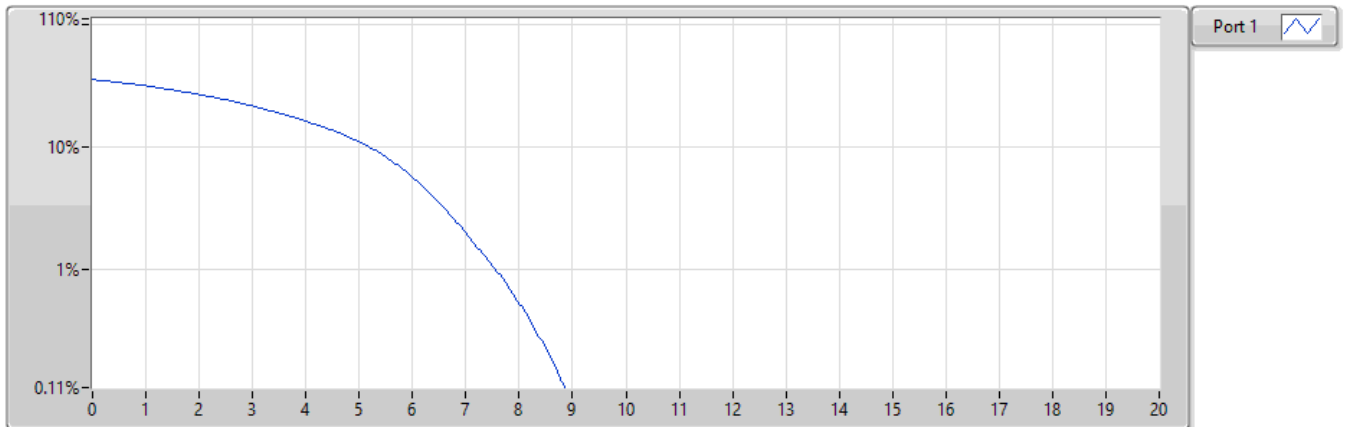


**Band 38\_LTE\_20MHz\_1TX**

**PAPR**

**2595MHz\_64QAM\_RB 100,#RB 0**

30/10/2023



Port 1 

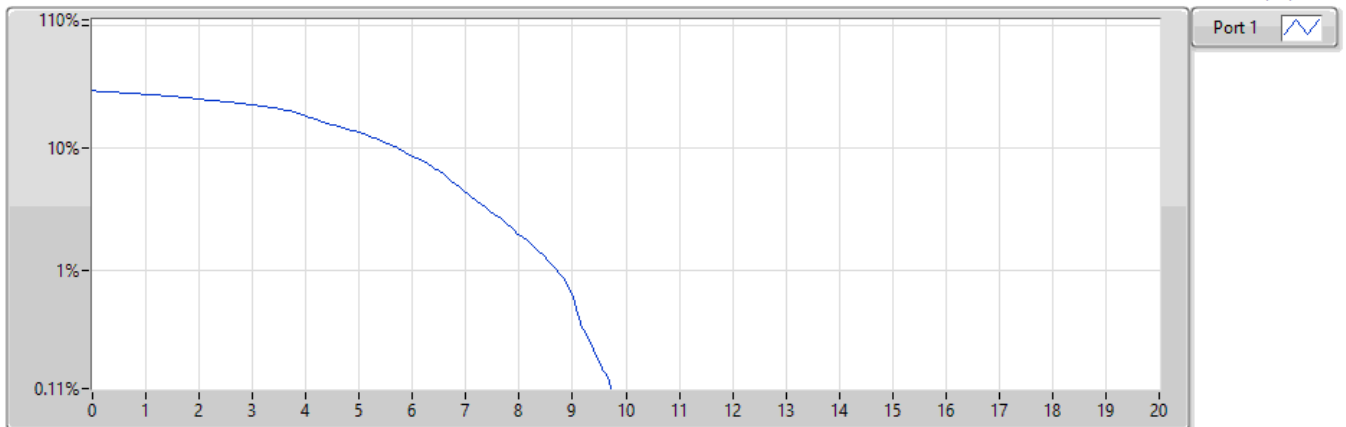
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2595	20M	8.90	-4.10	13.00	1


**Band 38\_LTE\_20MHz\_1TX**

**PAPR**

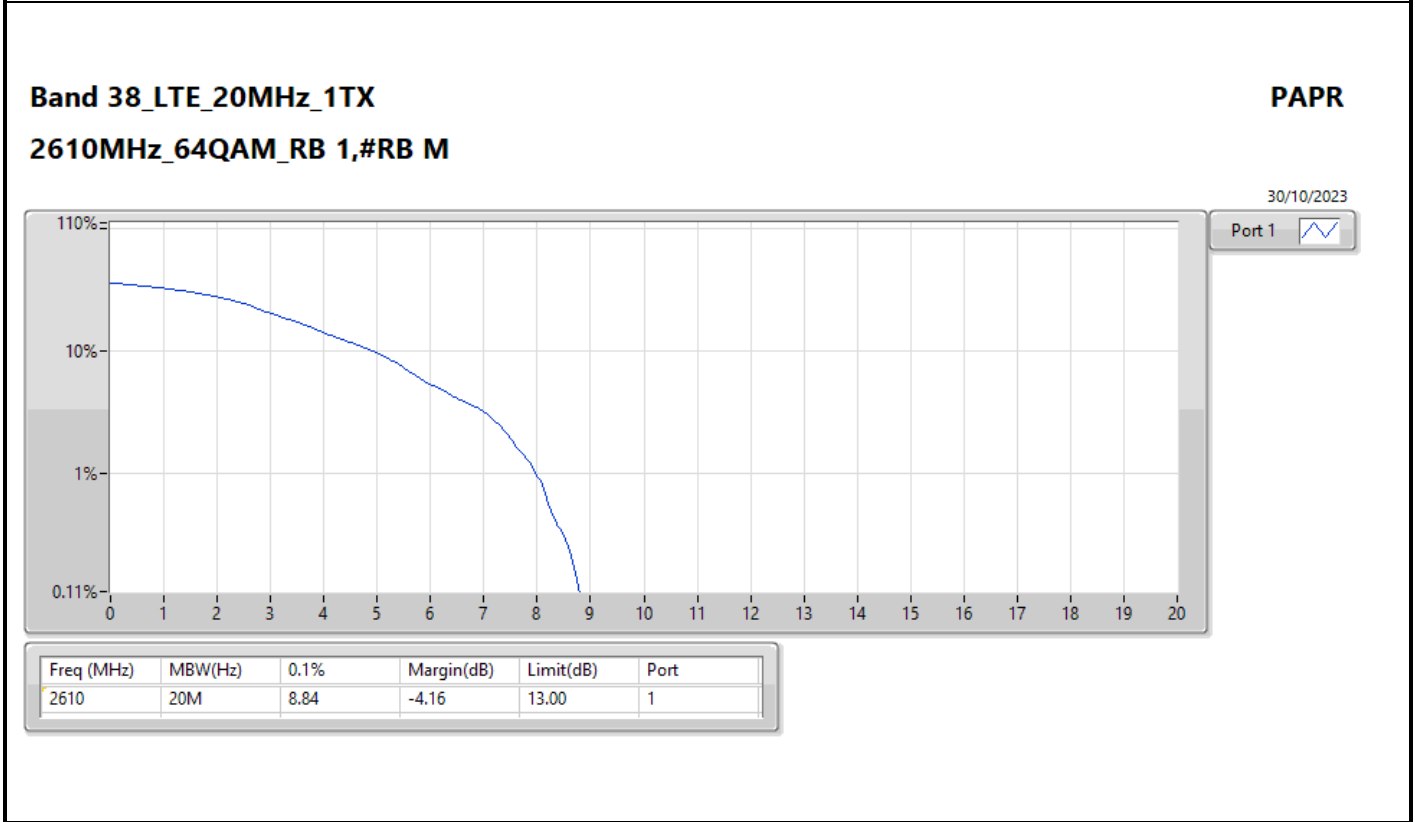
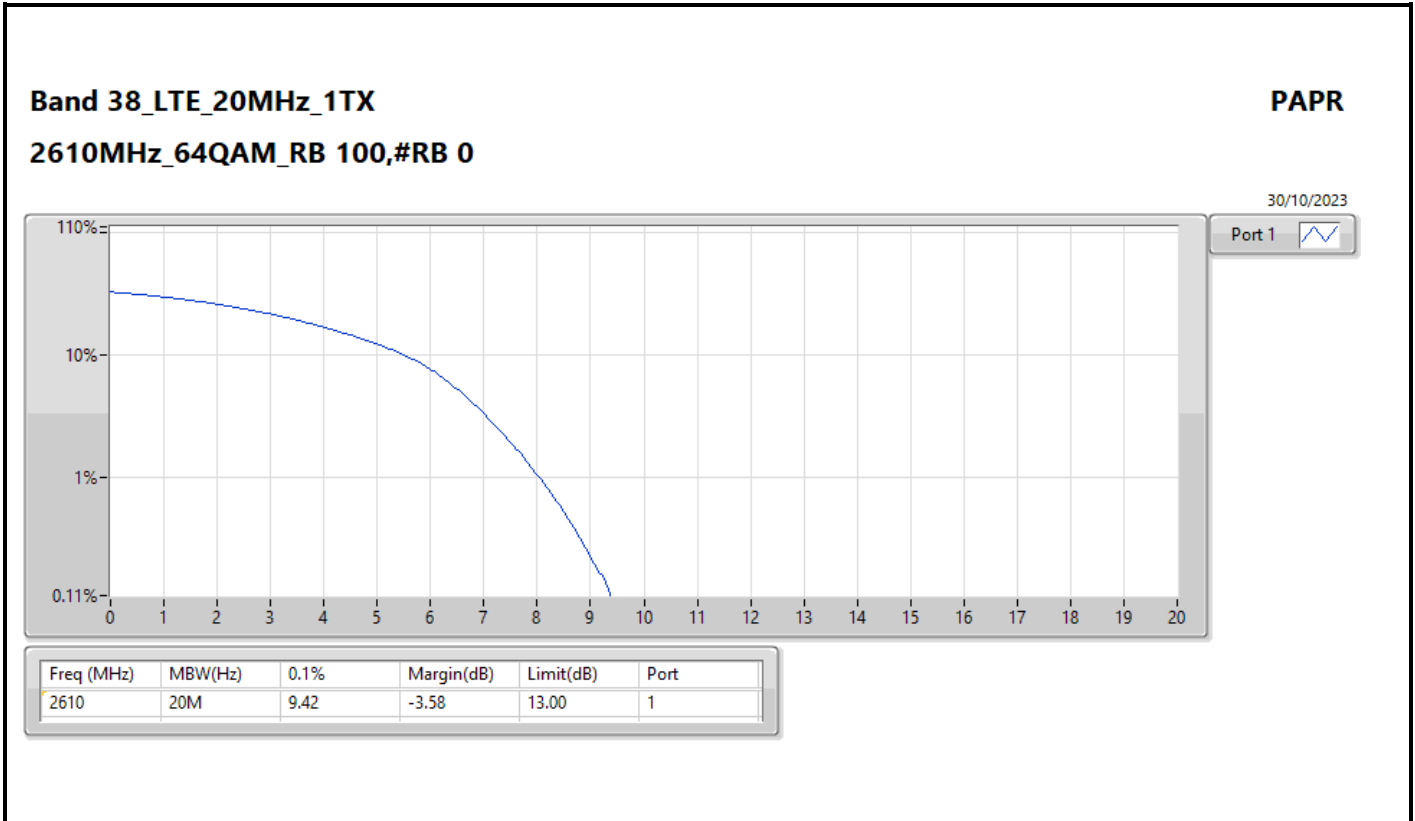
**2595MHz\_64QAM\_RB 1,#RB M**

30/10/2023



Port 1 

Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2595	20M	9.74	-3.26	13.00	1





**Peak to Average Power Ratio (PAPR)  
(Mode 14: LTE Band 41)**

**Appendix B.14**

**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 41	-	-	-	-	-
LTE_20MHz_1TX	Pass	2593	13.00	7.54	1
LTE_20MHz_1TX	Pass	2506	13.00	8.48	1
LTE_20MHz_1TX	Pass	2506	13.00	8.48	1

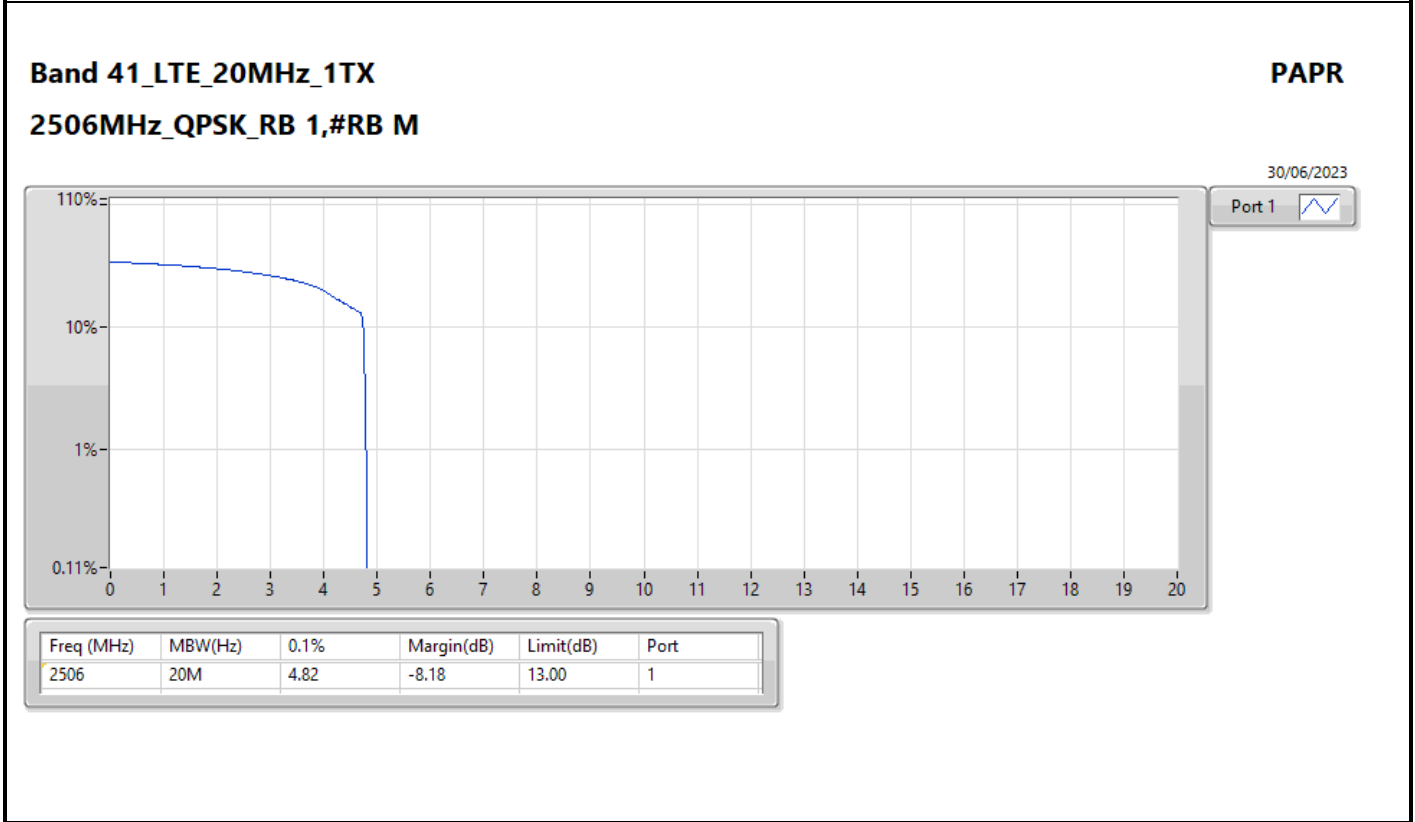
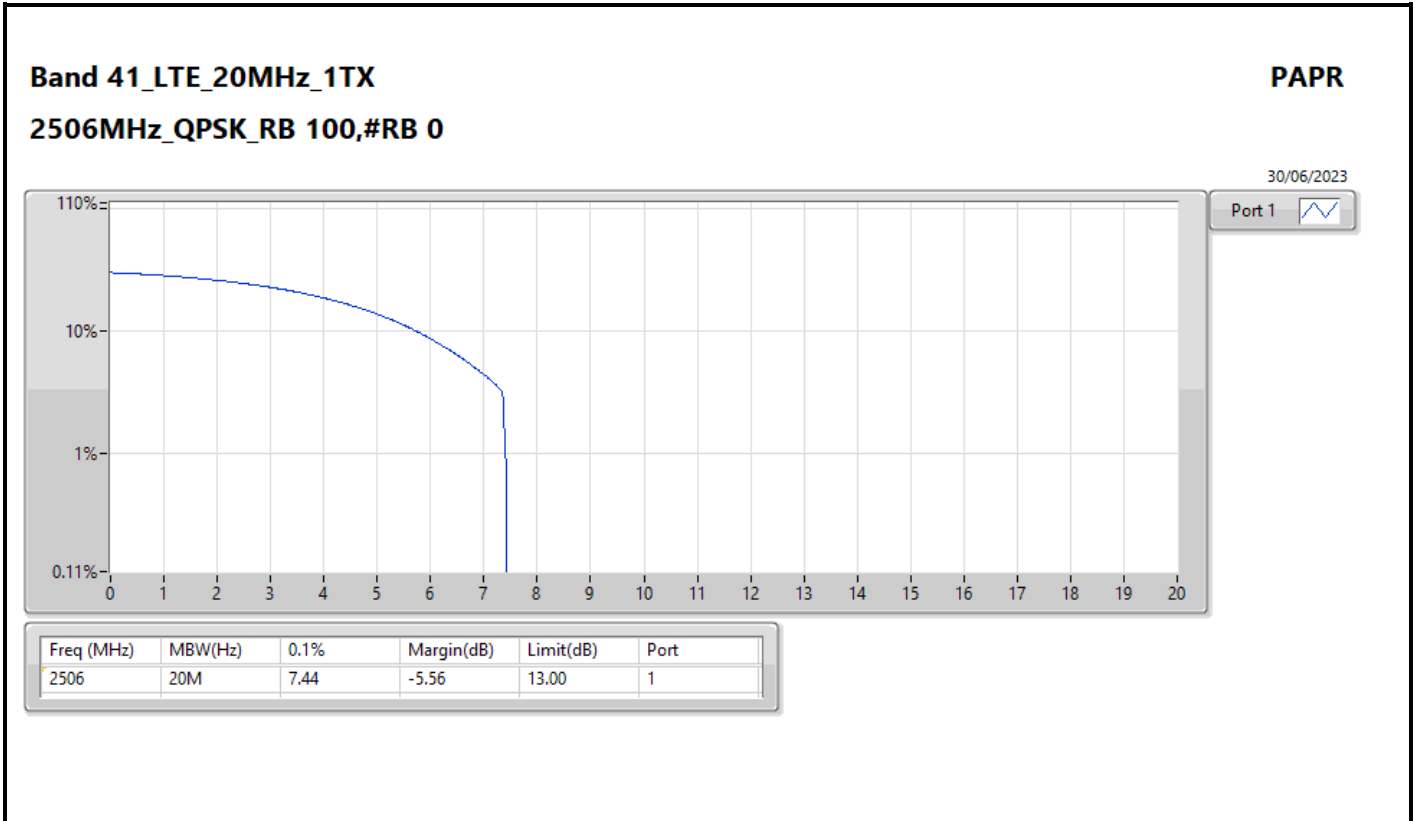


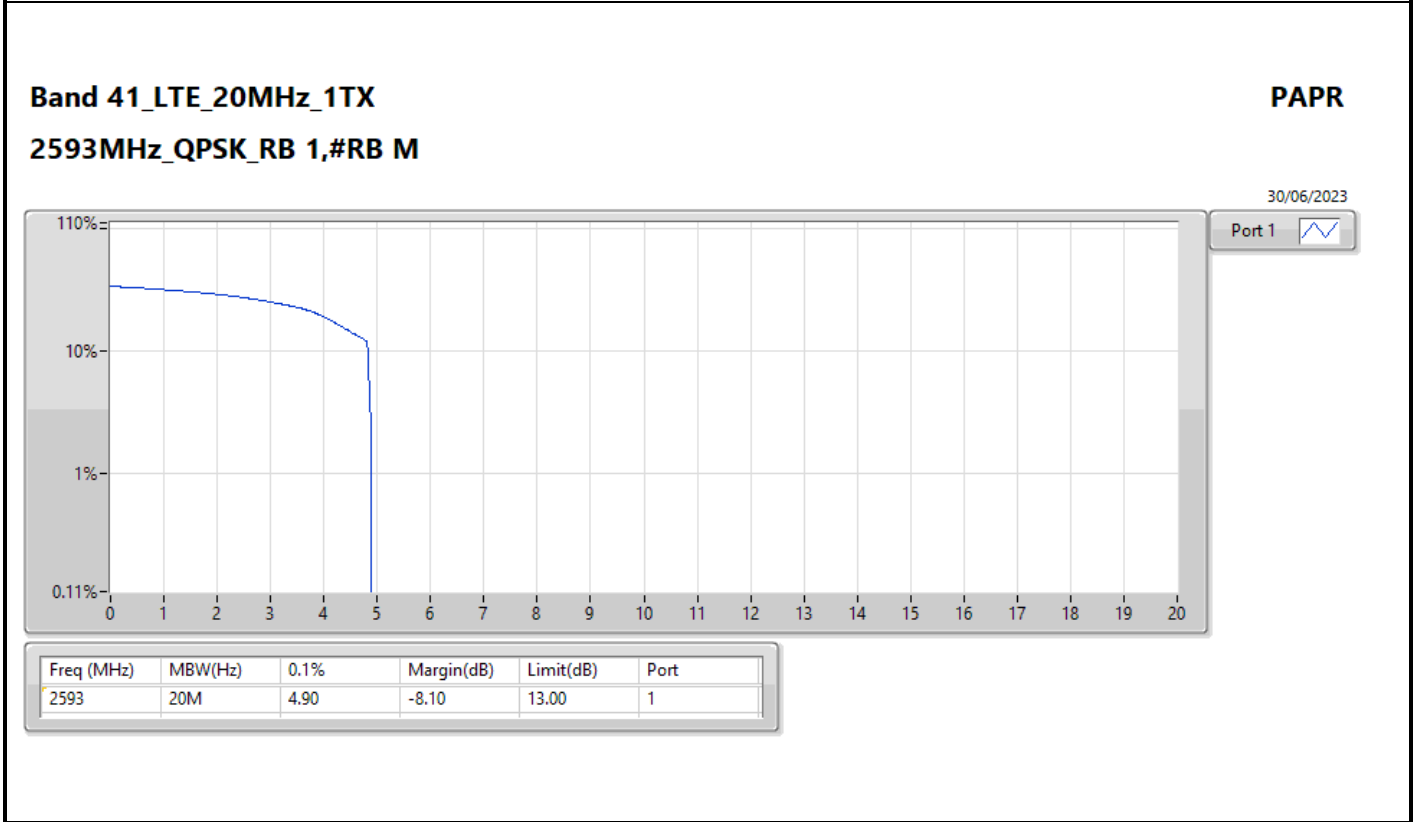
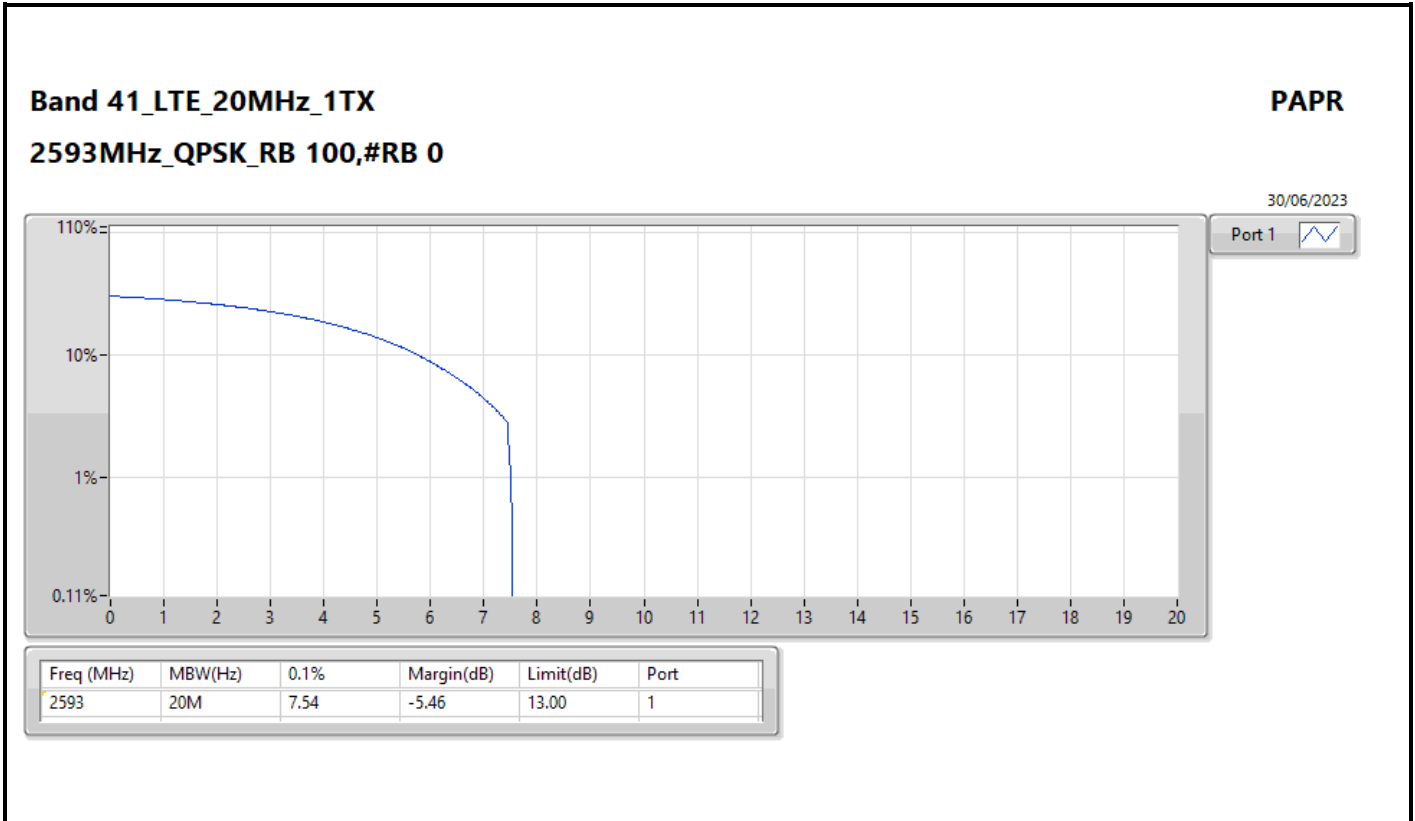
**Peak to Average Power Ratio (PAPR)  
(Mode 14: LTE Band 41)**

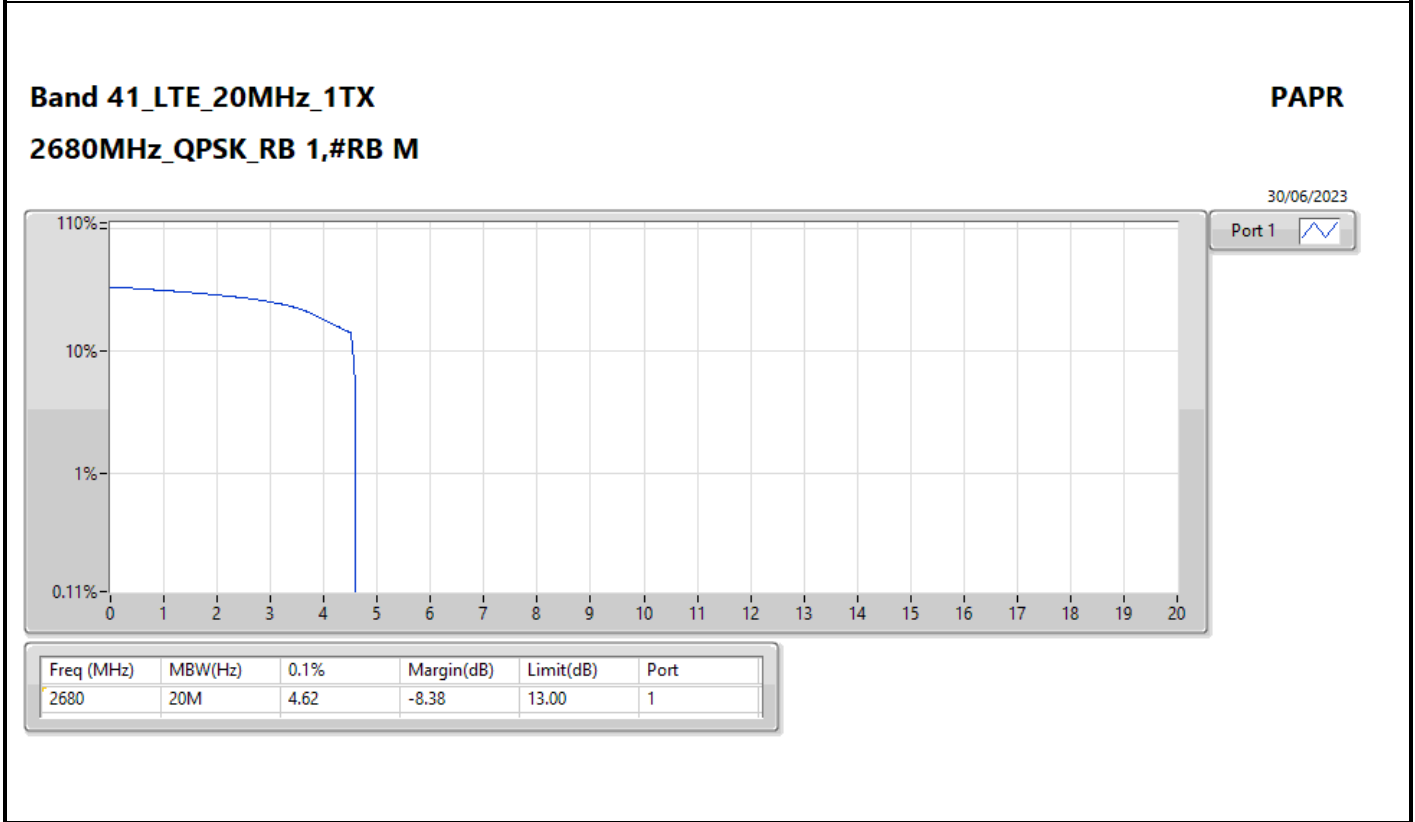
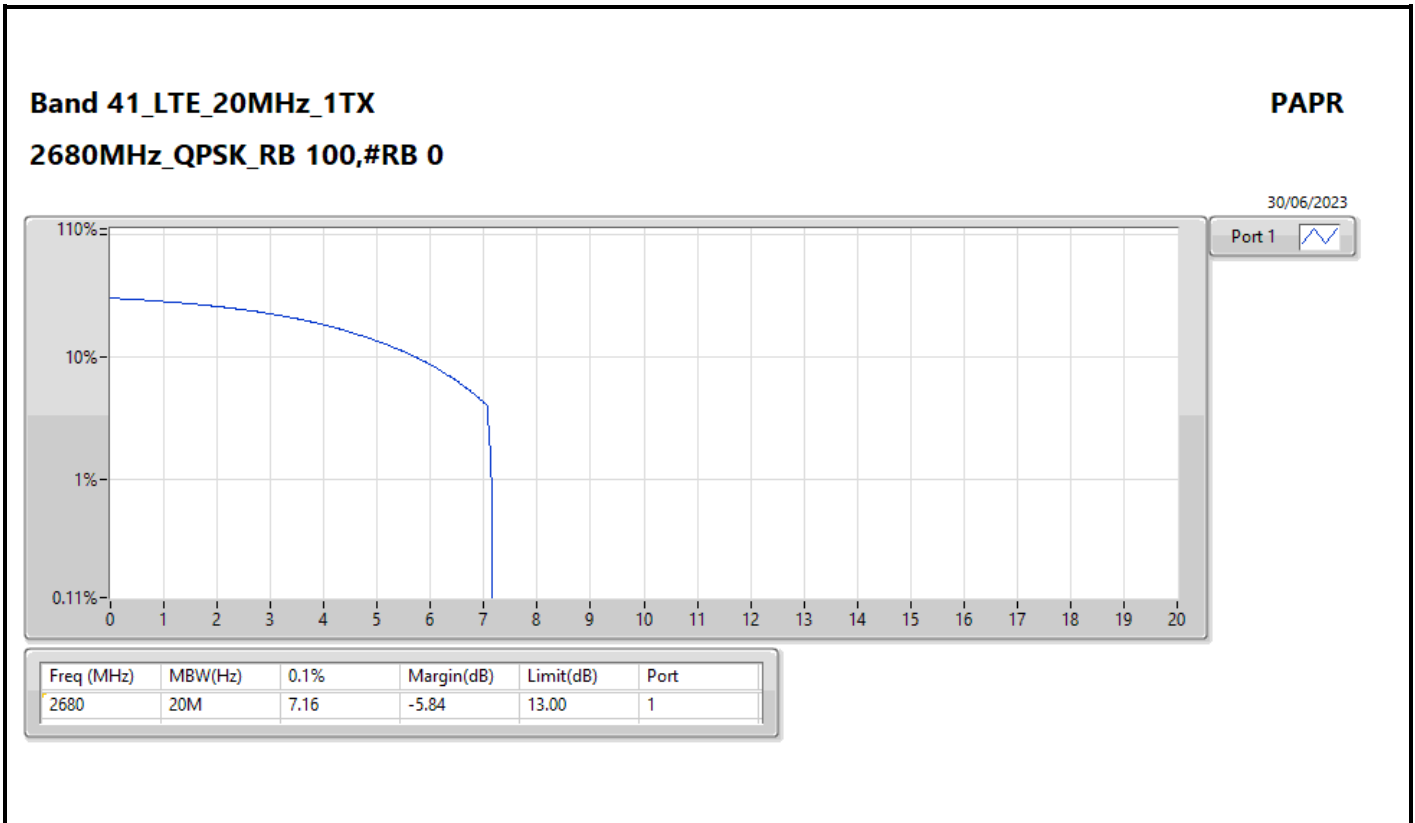
**Appendix B.14**

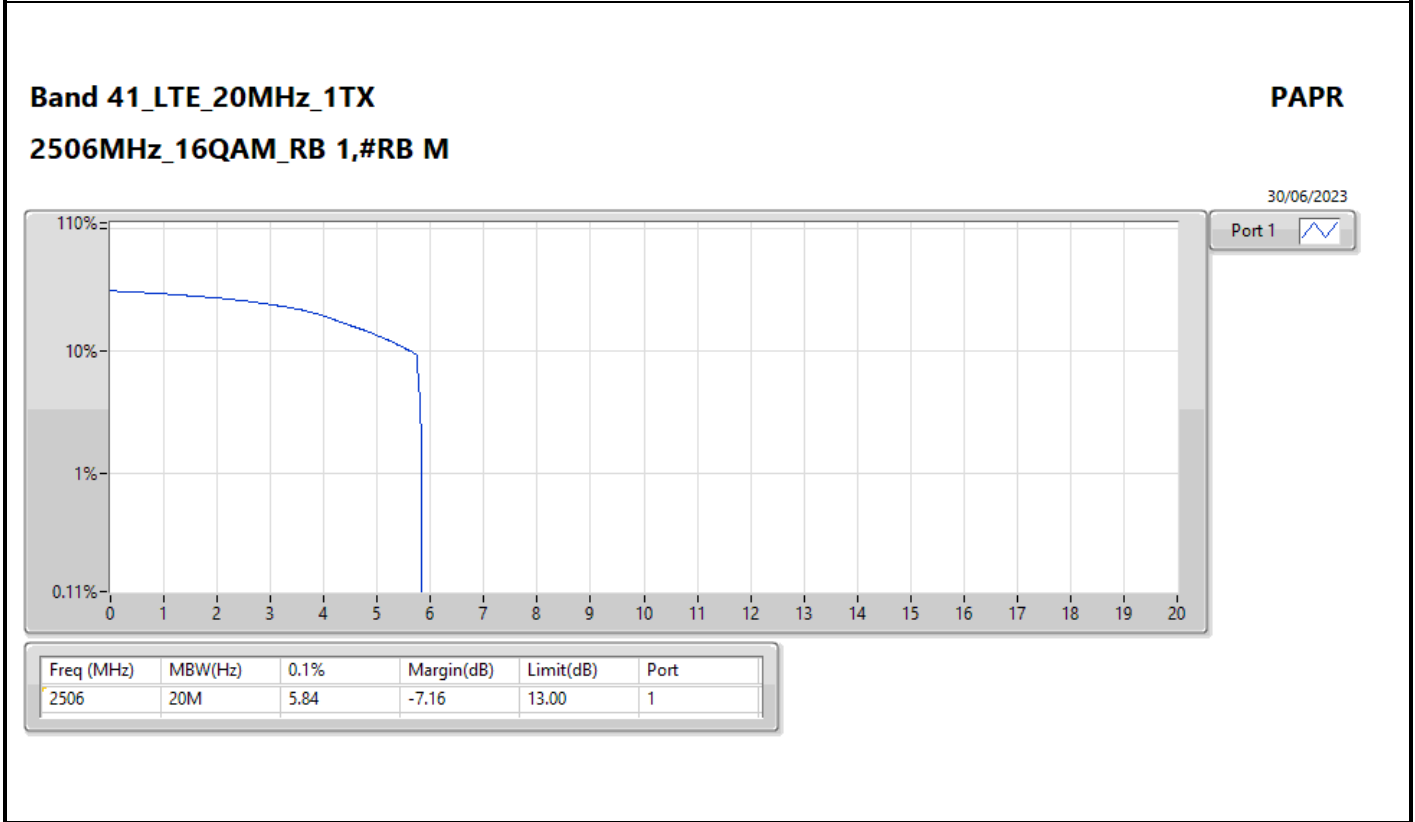
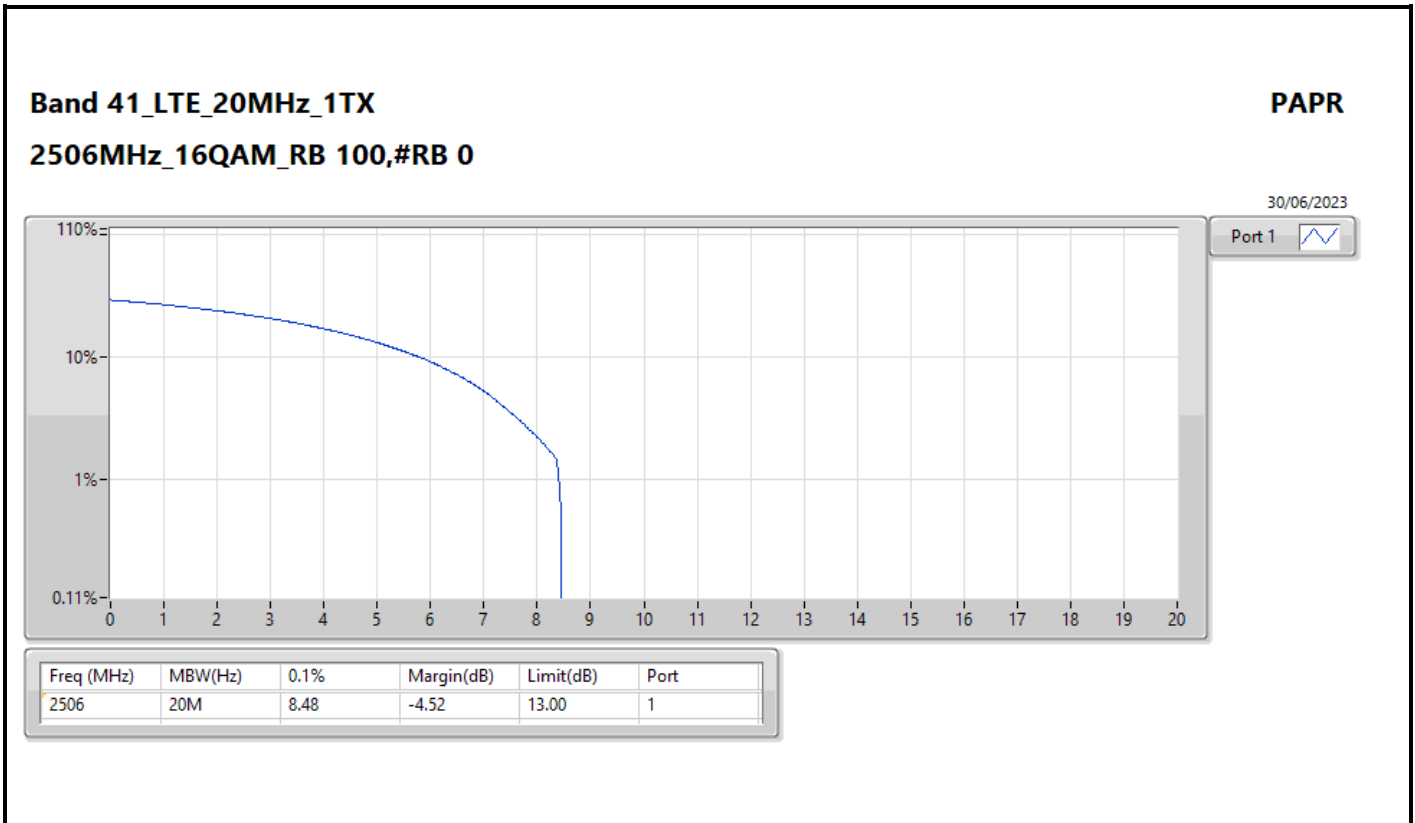
**Result**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 41_LTE_20MHz_1TX	-	-	-	-	-
2506MHz_RB 100,#RB 0	Pass	2506	13.00	7.44	1
2506MHz_RB 1,#RB M	Pass	2506	13.00	4.82	1
2593MHz_RB 100,#RB 0	Pass	2593	13.00	7.54	1
2593MHz_RB 1,#RB M	Pass	2593	13.00	4.90	1
2680MHz_RB 100,#RB 0	Pass	2680	13.00	7.16	1
2680MHz_RB 1,#RB M	Pass	2680	13.00	4.62	1
Band 41_LTE_20MHz_1TX	-	-	-	-	-
2506MHz_RB 100,#RB 0	Pass	2506	13.00	8.48	1
2506MHz_RB 1,#RB M	Pass	2506	13.00	5.84	1
2593MHz_RB 100,#RB 0	Pass	2593	13.00	8.48	1
2593MHz_RB 1,#RB M	Pass	2593	13.00	5.66	1
2680MHz_RB 100,#RB 0	Pass	2680	13.00	8.20	1
2680MHz_RB 1,#RB M	Pass	2680	13.00	5.46	1
Band 41_LTE_20MHz_1TX	-	-	-	-	-
2506MHz_RB 100,#RB 0	Pass	2506	13.00	8.48	1
2506MHz_RB 1,#RB M	Pass	2506	13.00	5.76	1
2593MHz_RB 100,#RB 0	Pass	2593	13.00	8.38	1
2593MHz_RB 1,#RB M	Pass	2593	13.00	5.56	1
2680MHz_RB 100,#RB 0	Pass	2680	13.00	8.20	1
2680MHz_RB 1,#RB M	Pass	2680	13.00	5.46	1

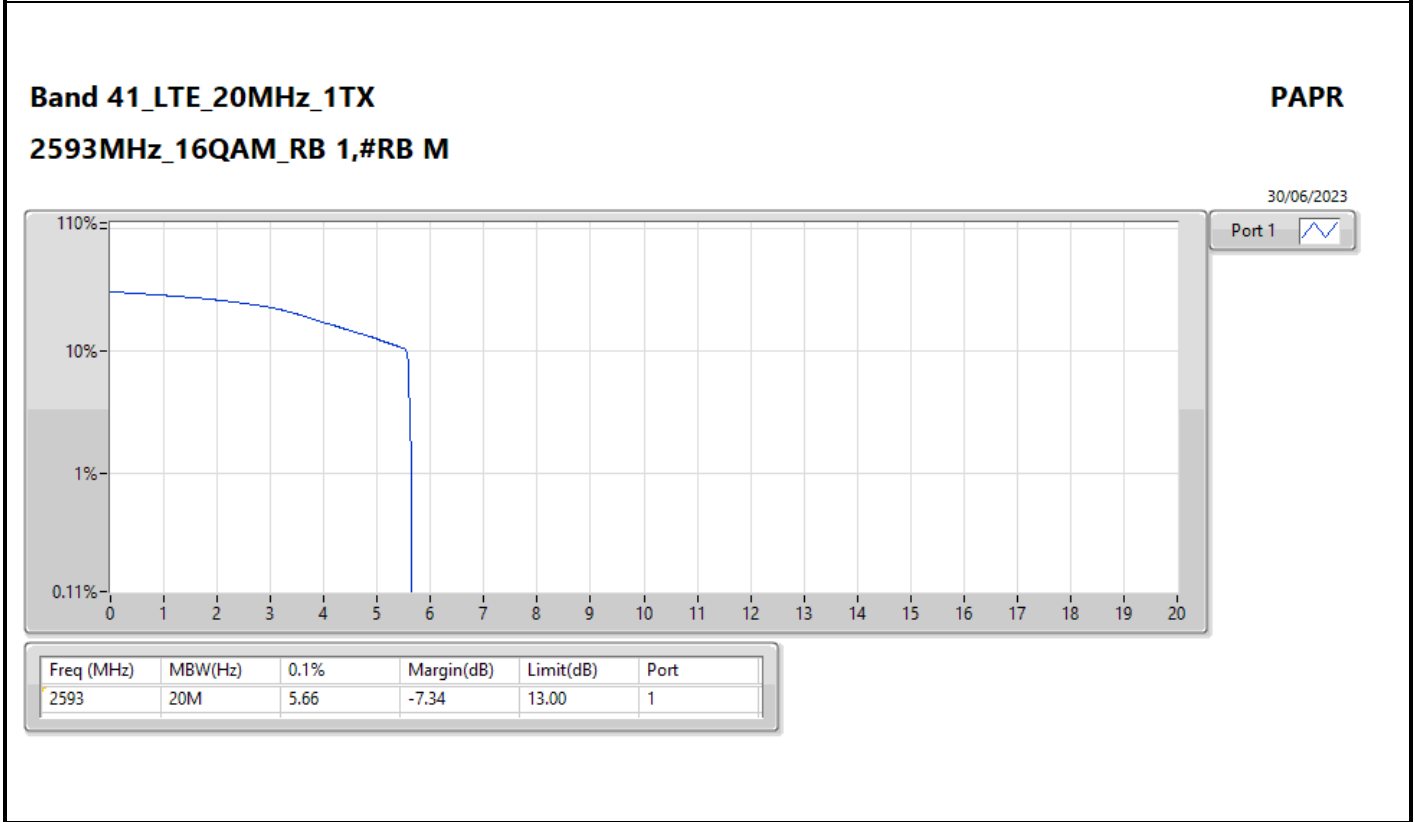
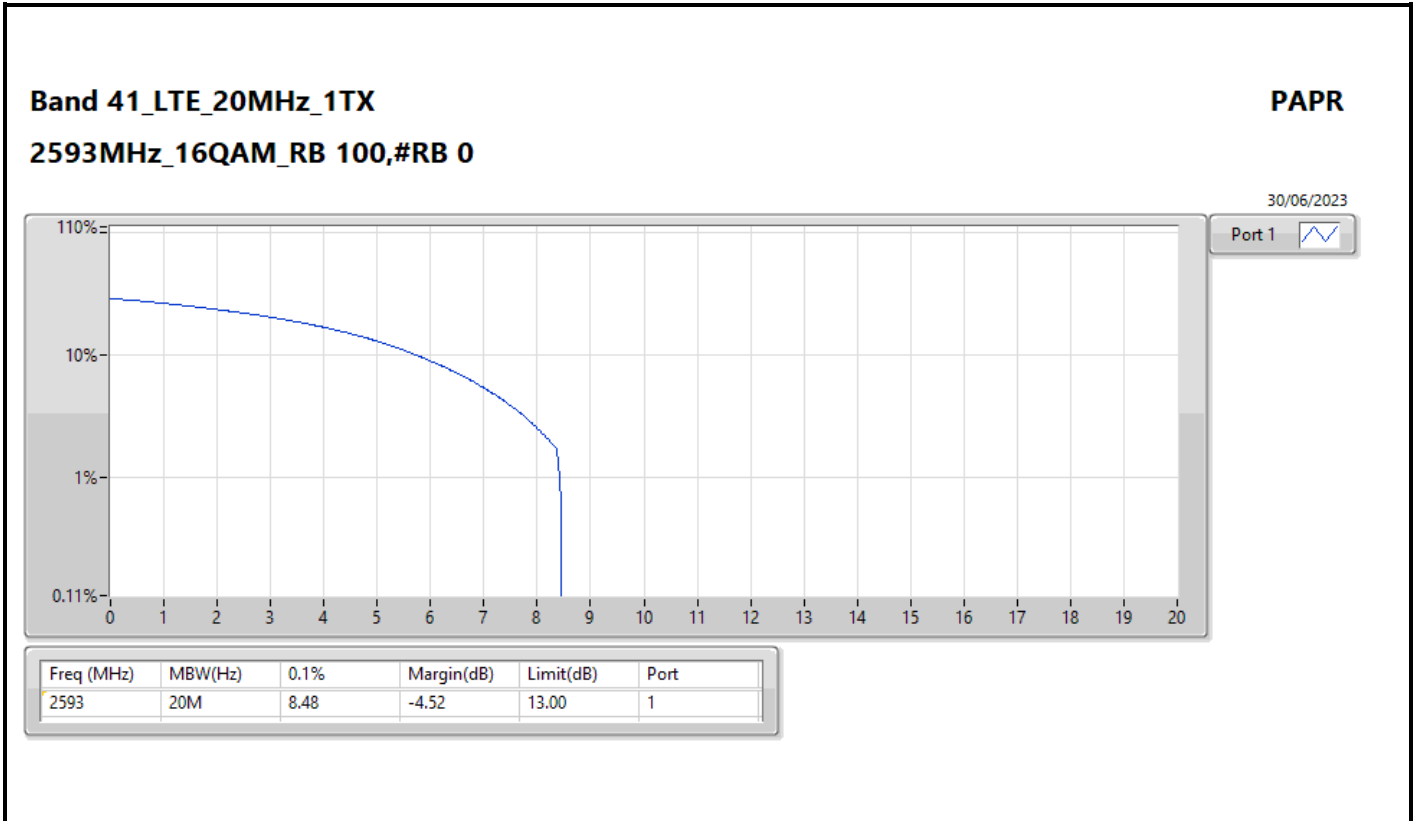


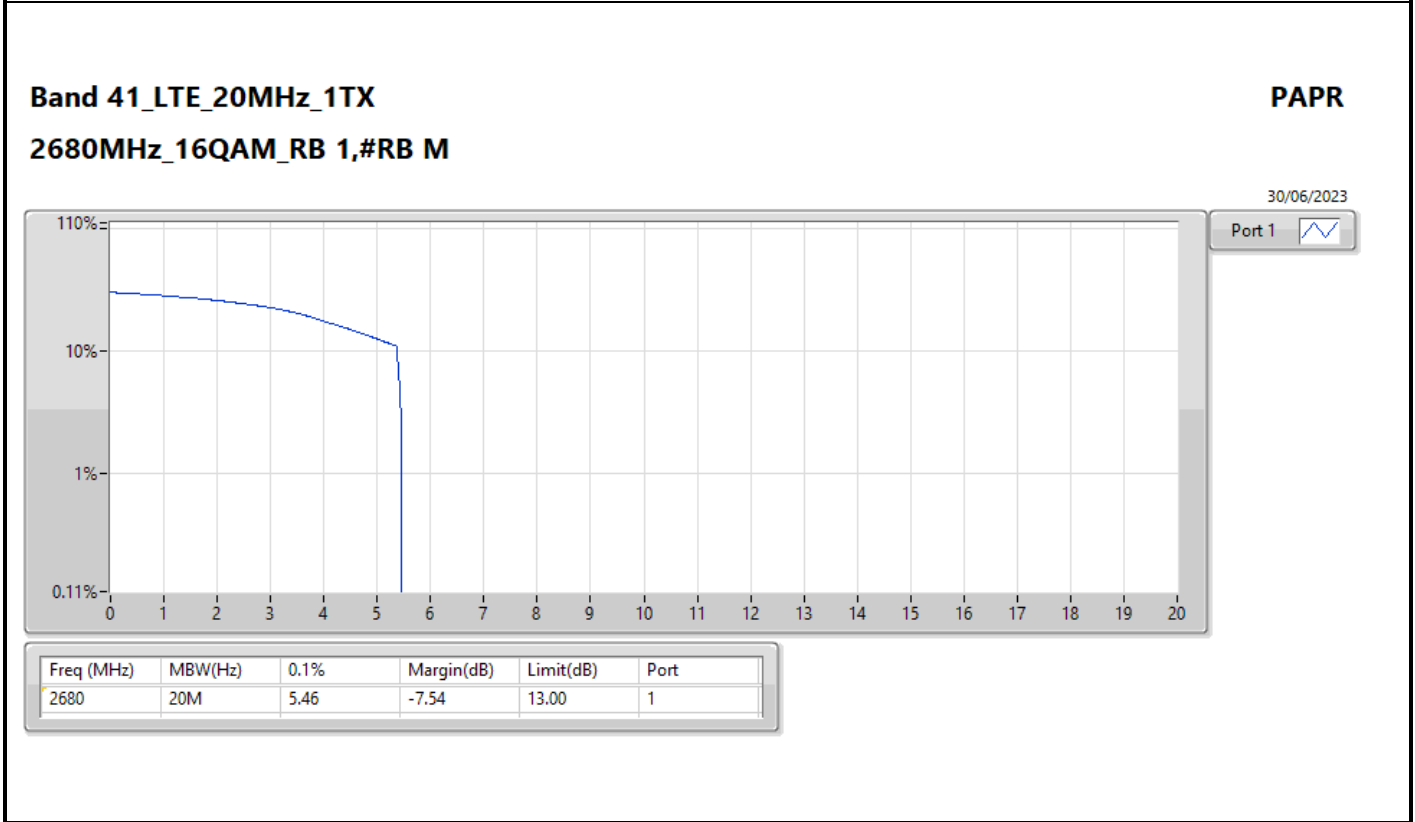
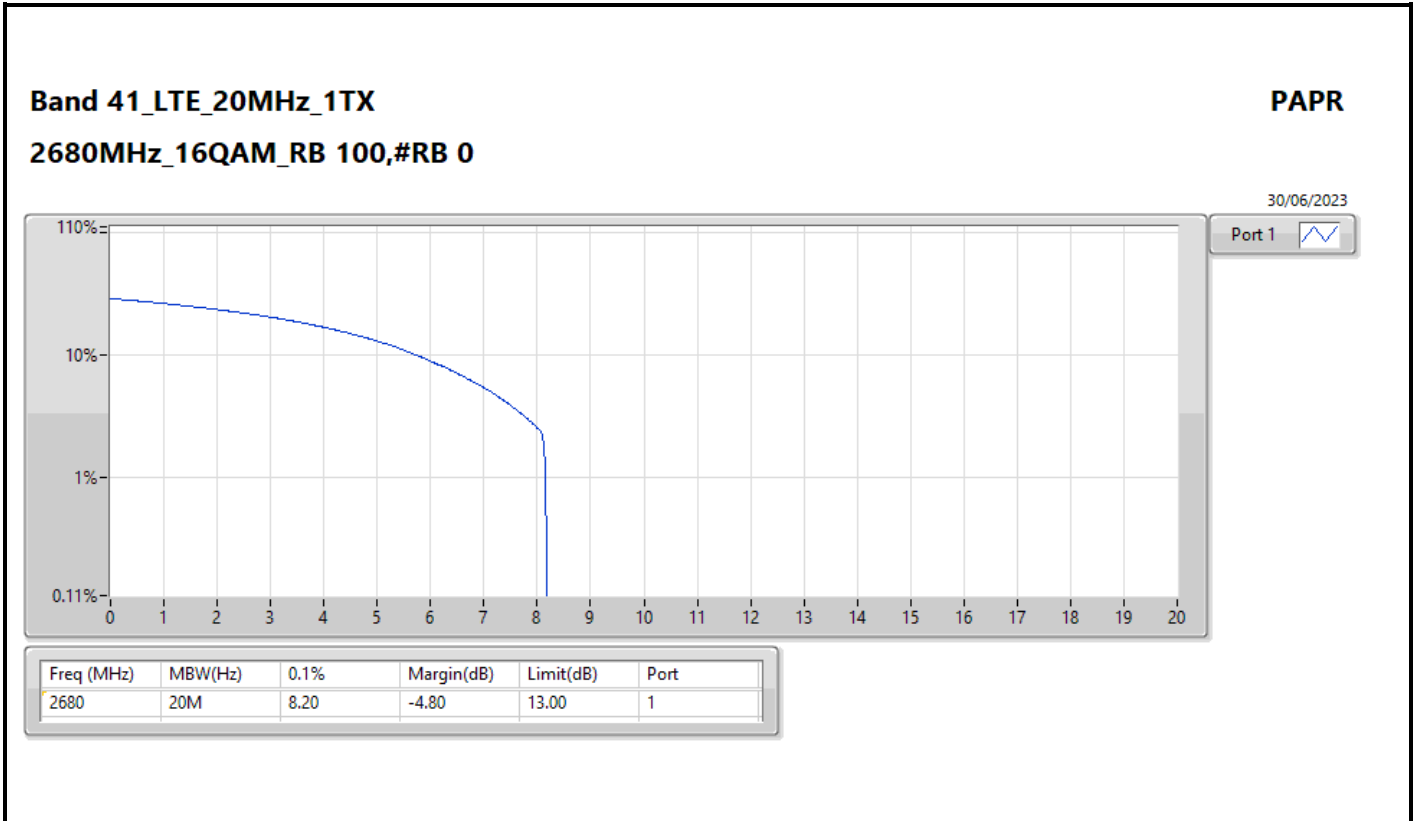


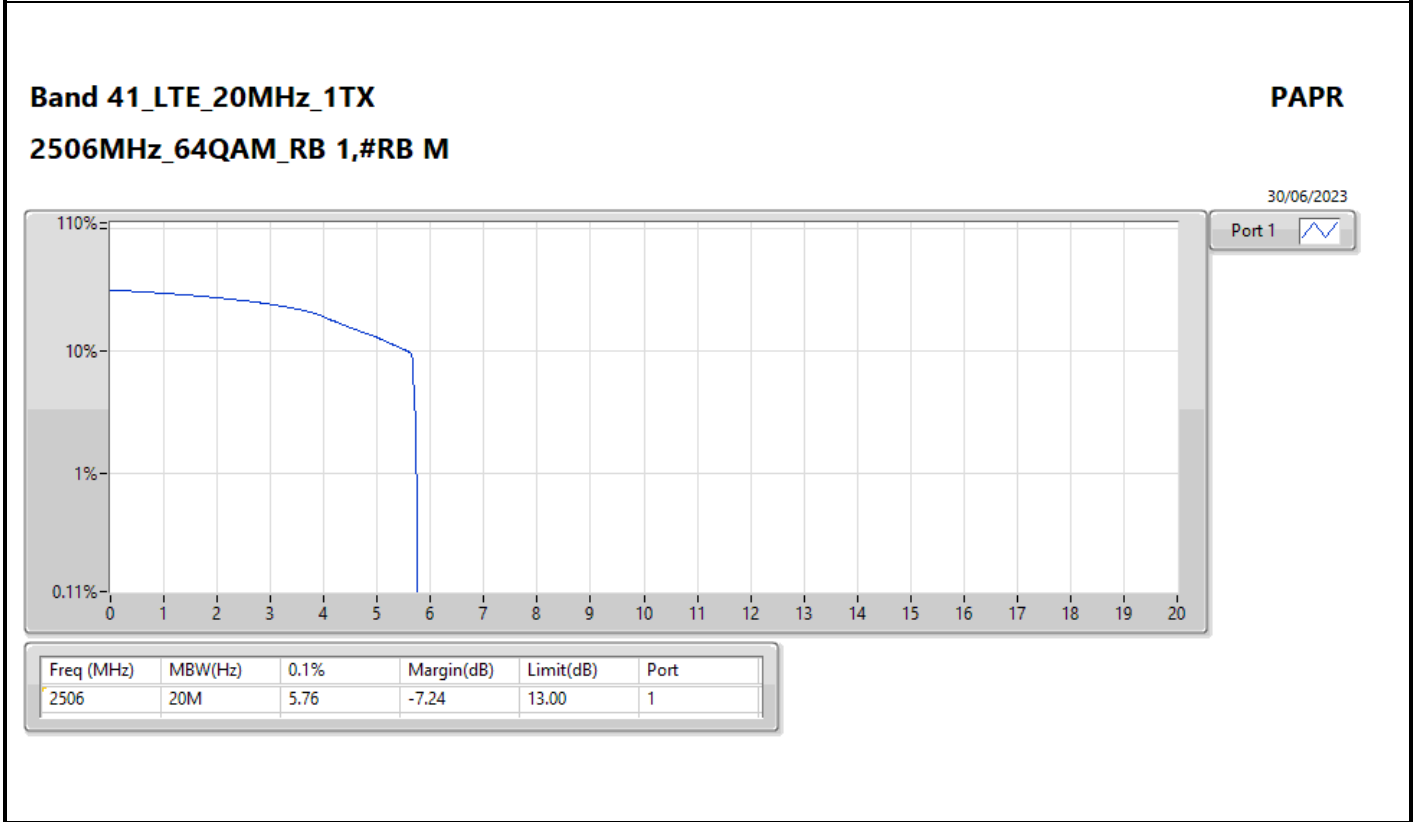
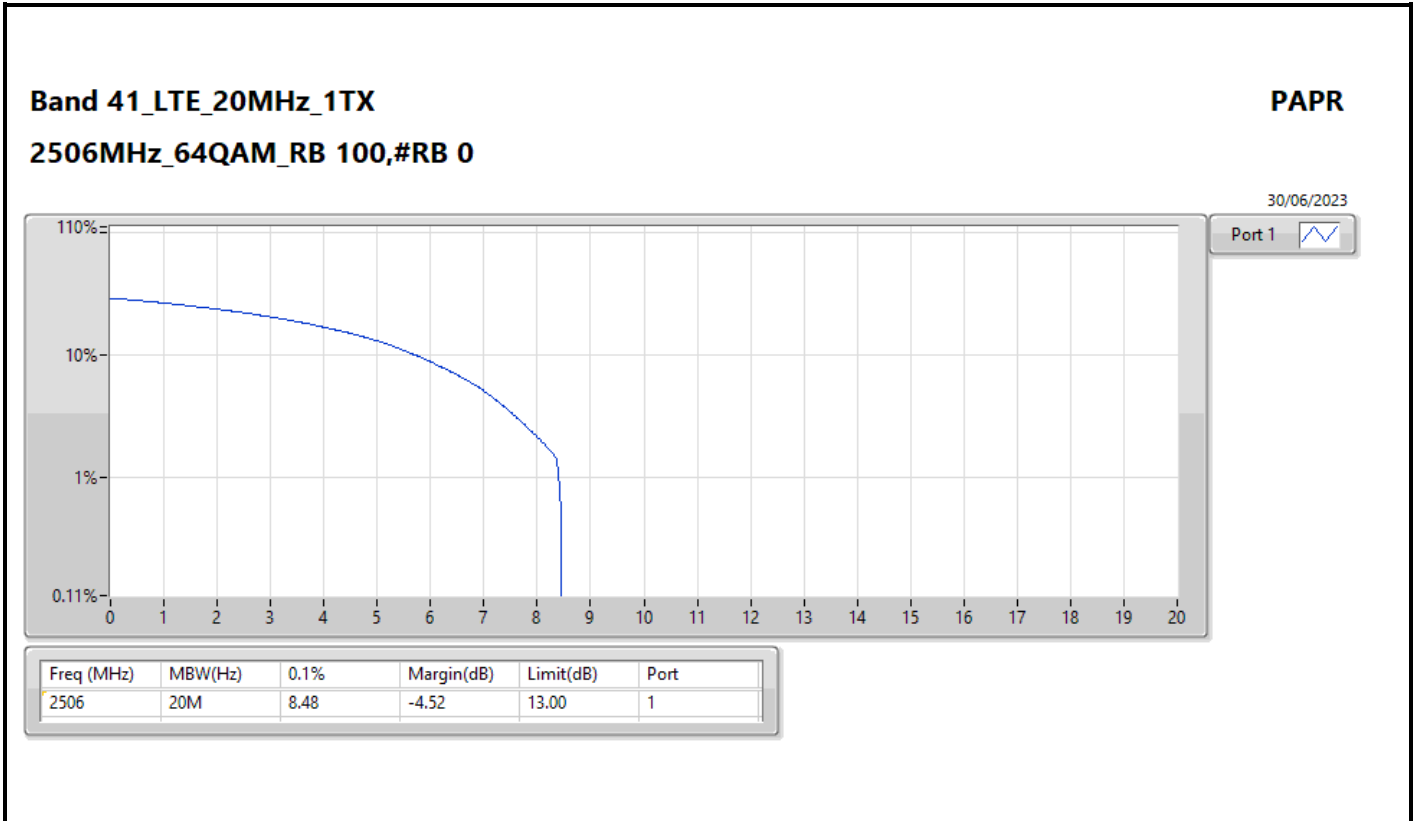


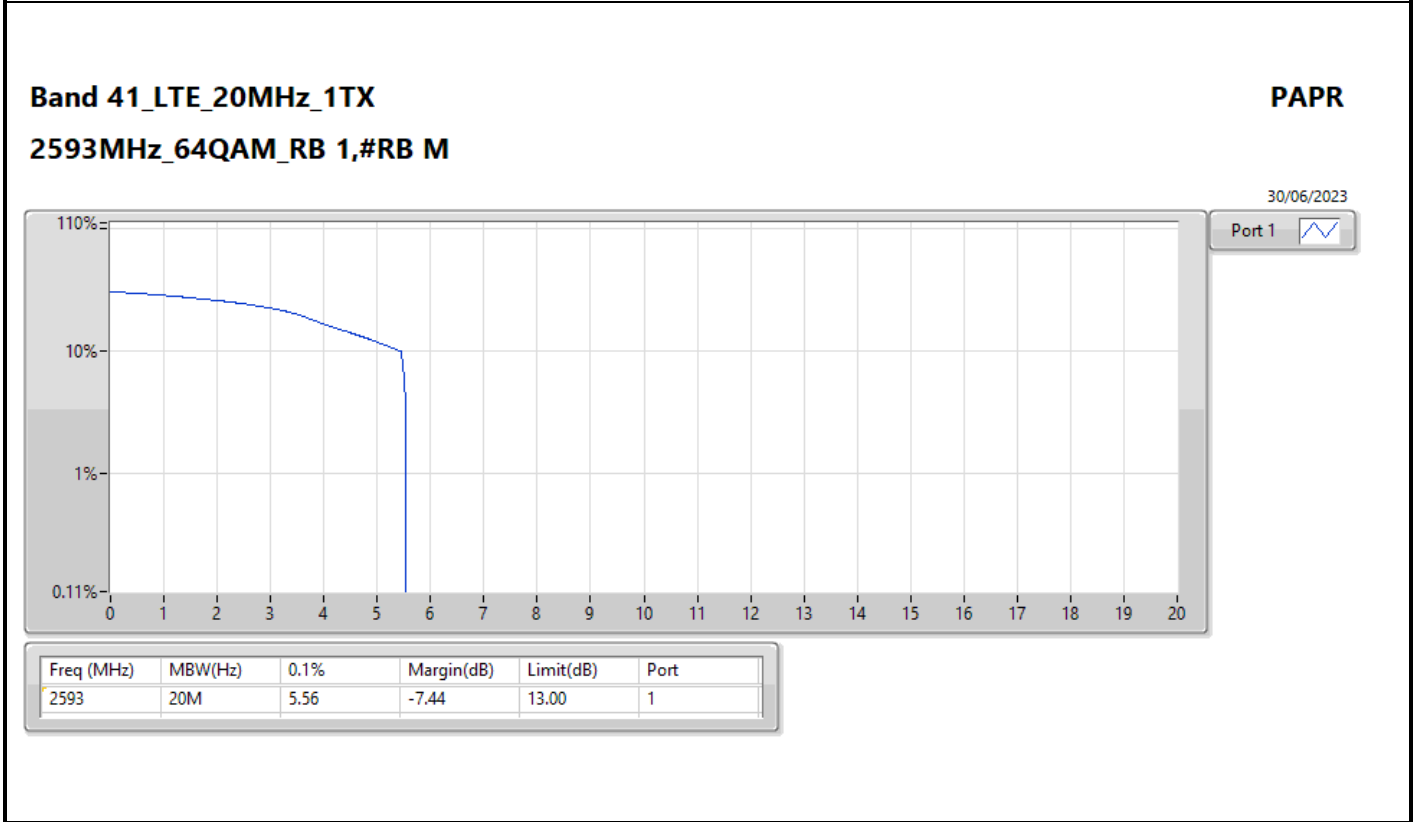
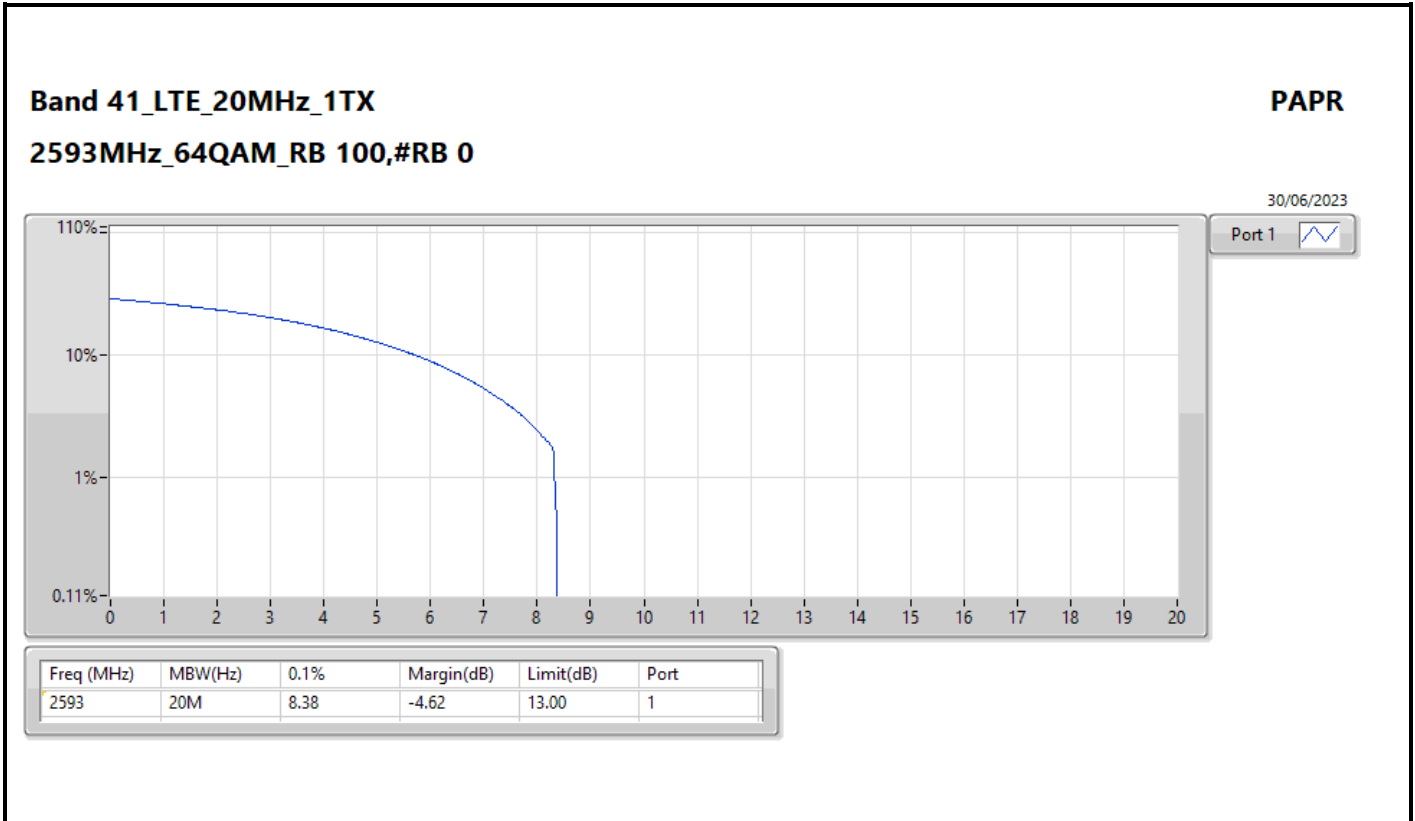


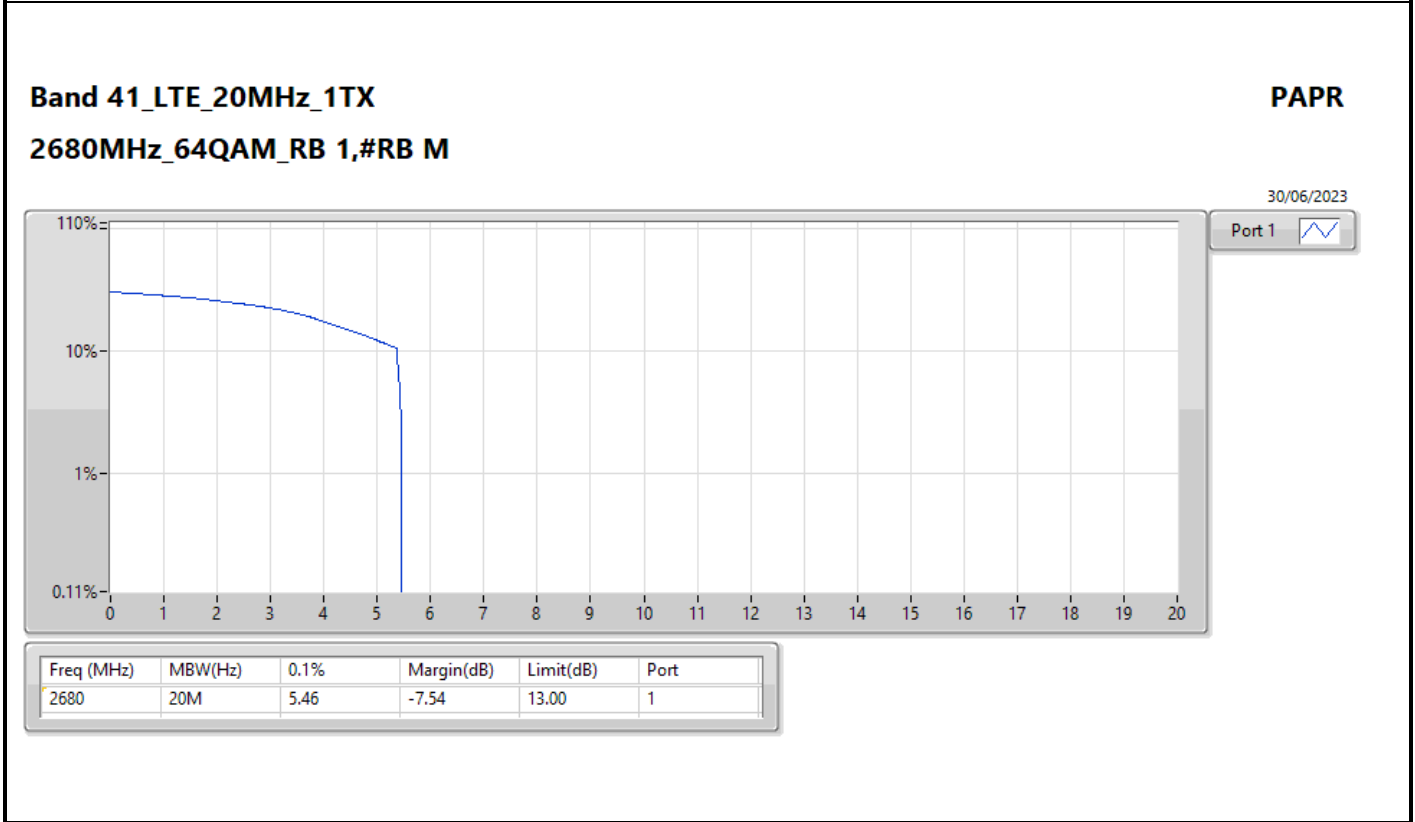
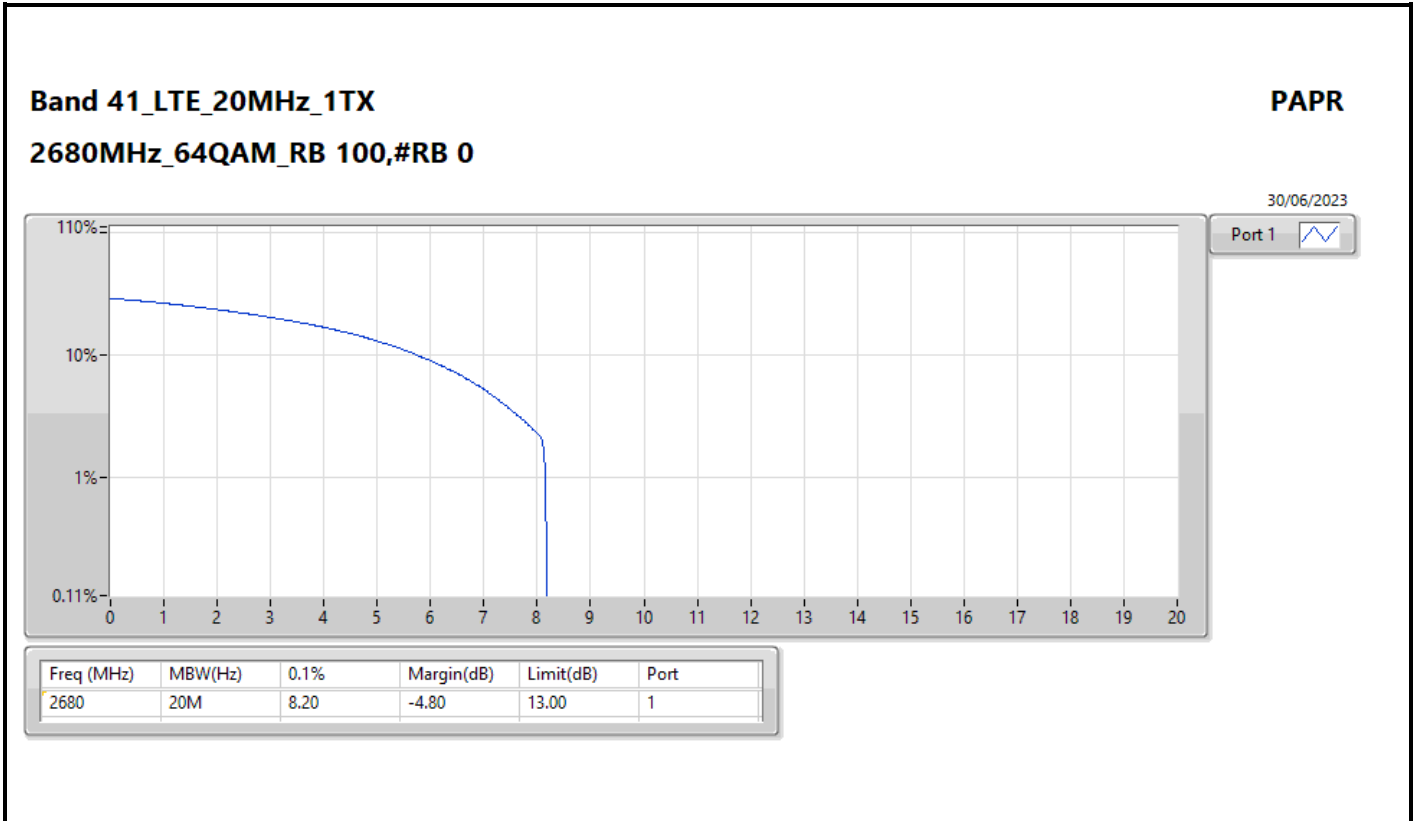














**Peak to Average Power Ratio (PAPR)  
(Mode 15: LTE Band 66)**

**Appendix B.15**

**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 66	-	-	-	-	-
LTE_20MHz_QPSK_1TX	Pass	1720	13.00	5.71	1
LTE_20MHz_16QAM_1TX	Pass	1720	13.00	6.49	1
LTE_20MHz_64QAM_1TX	Pass	1720	13.00	6.26	1

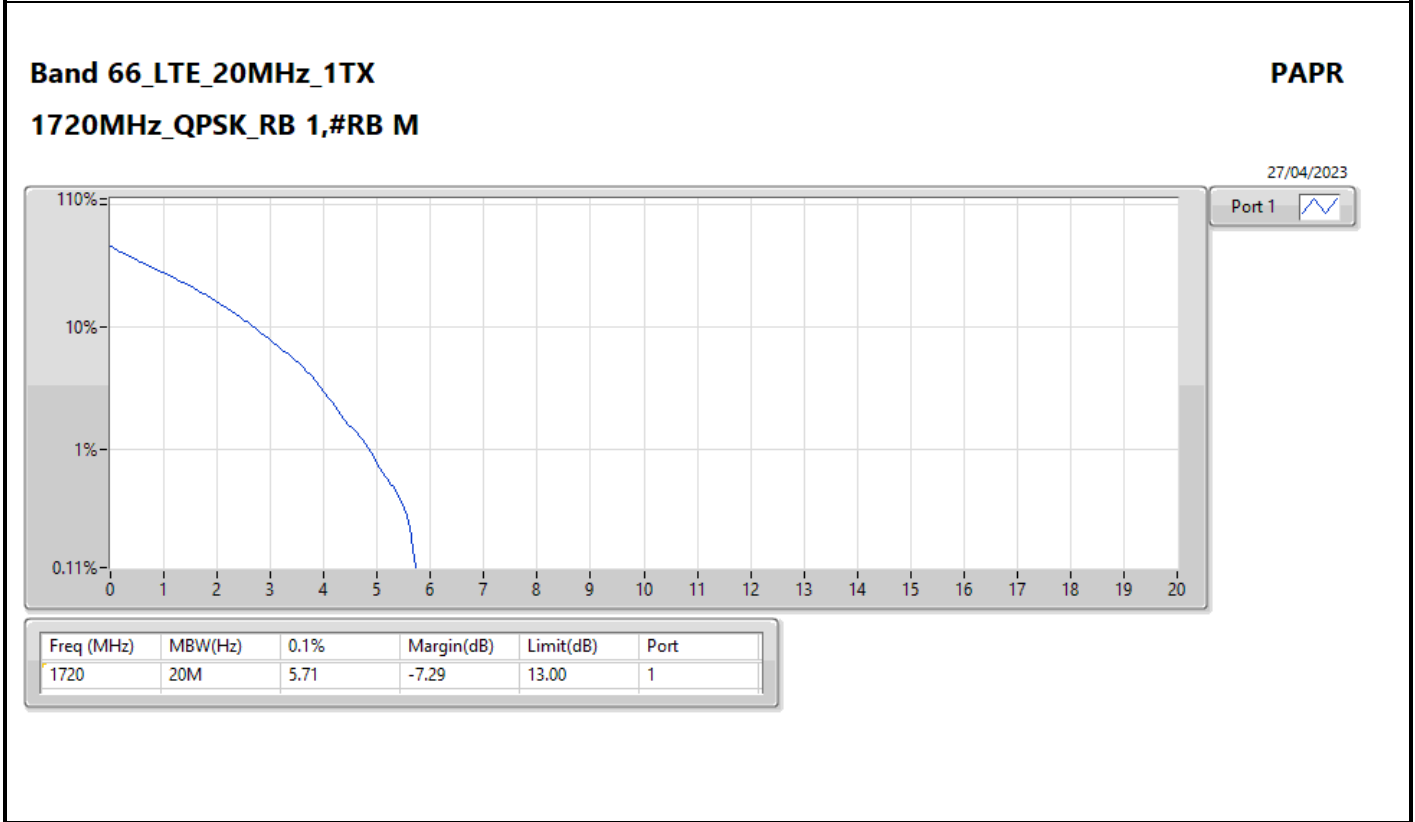
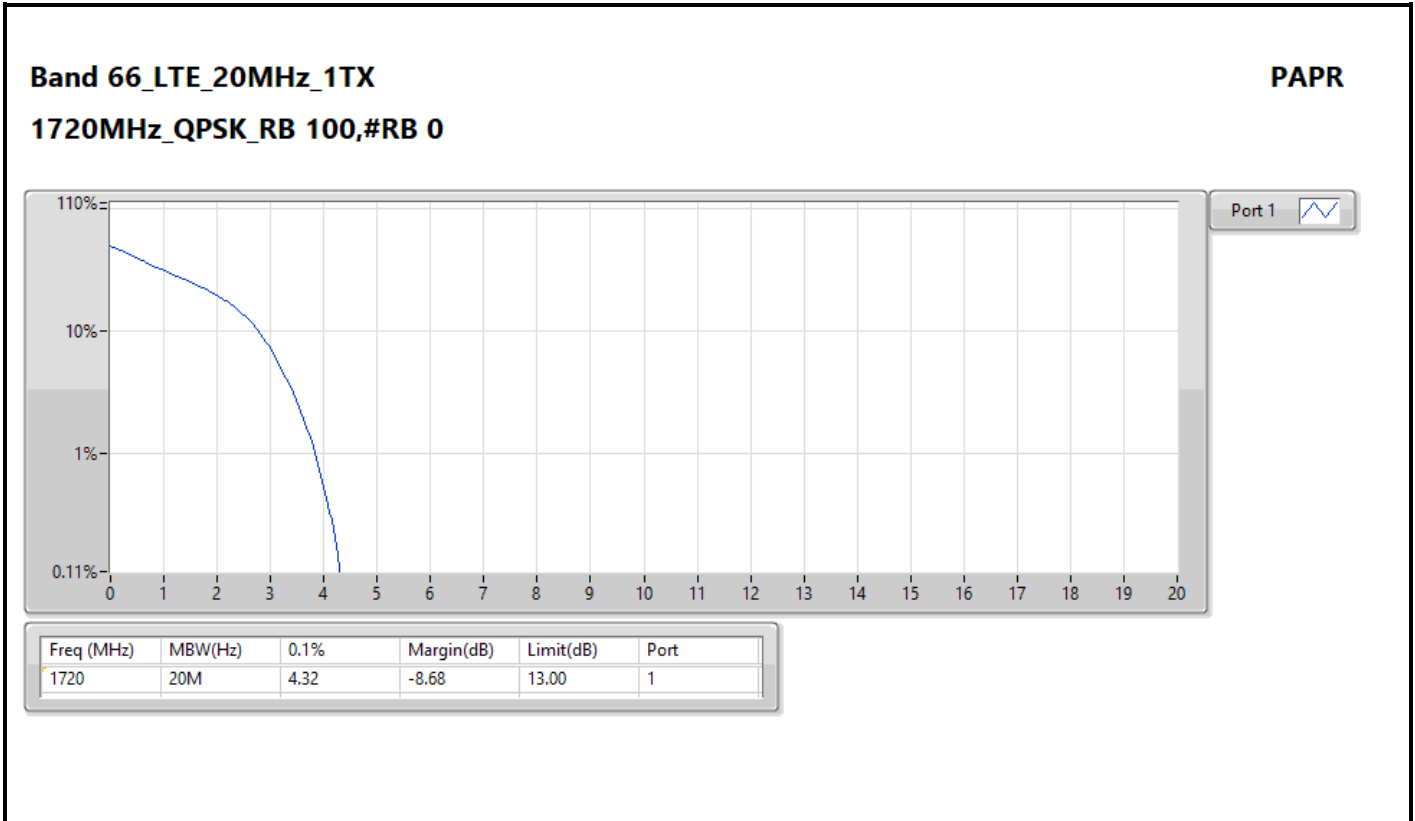


**Peak to Average Power Ratio (PAPR)  
(Mode 15: LTE Band 66)**

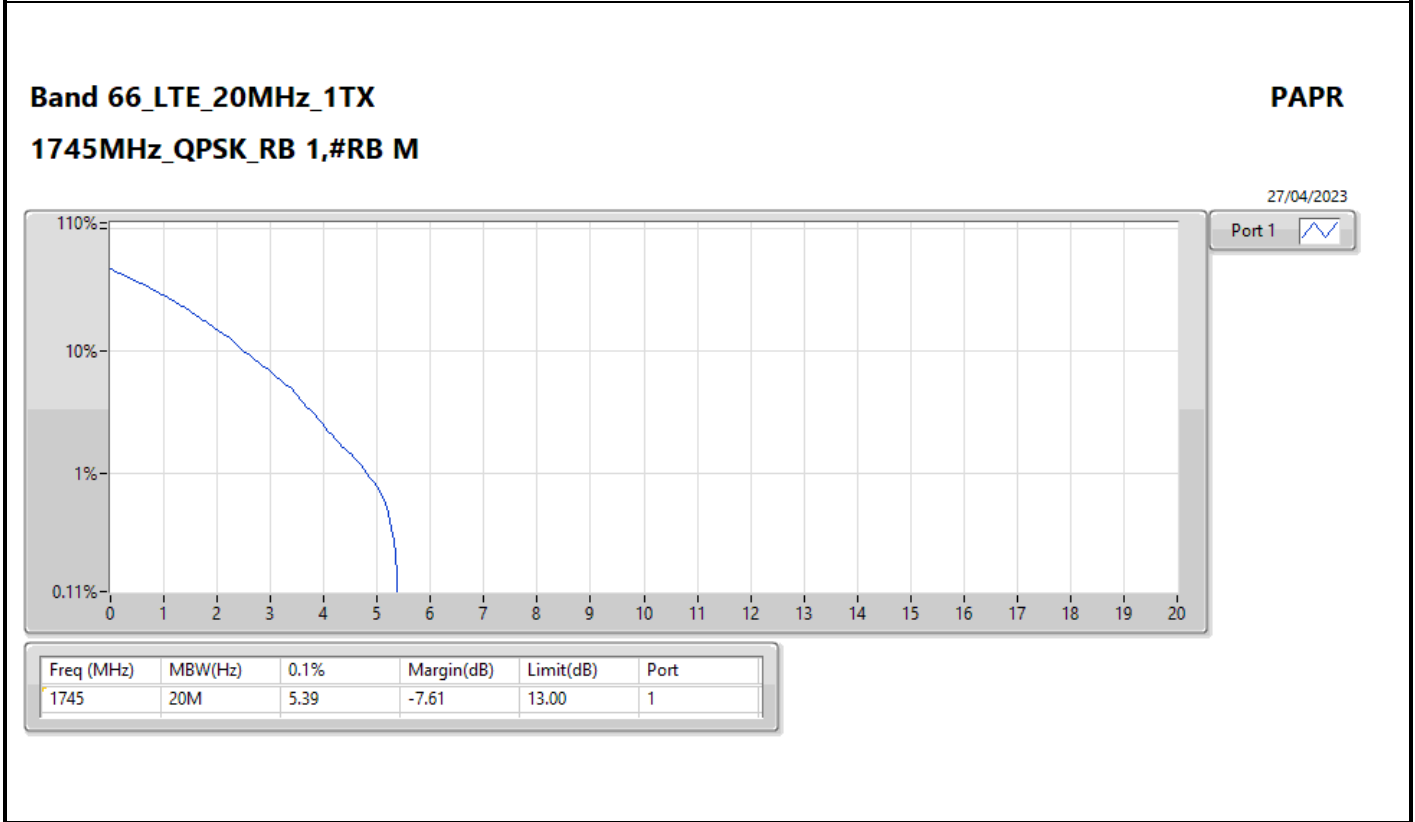
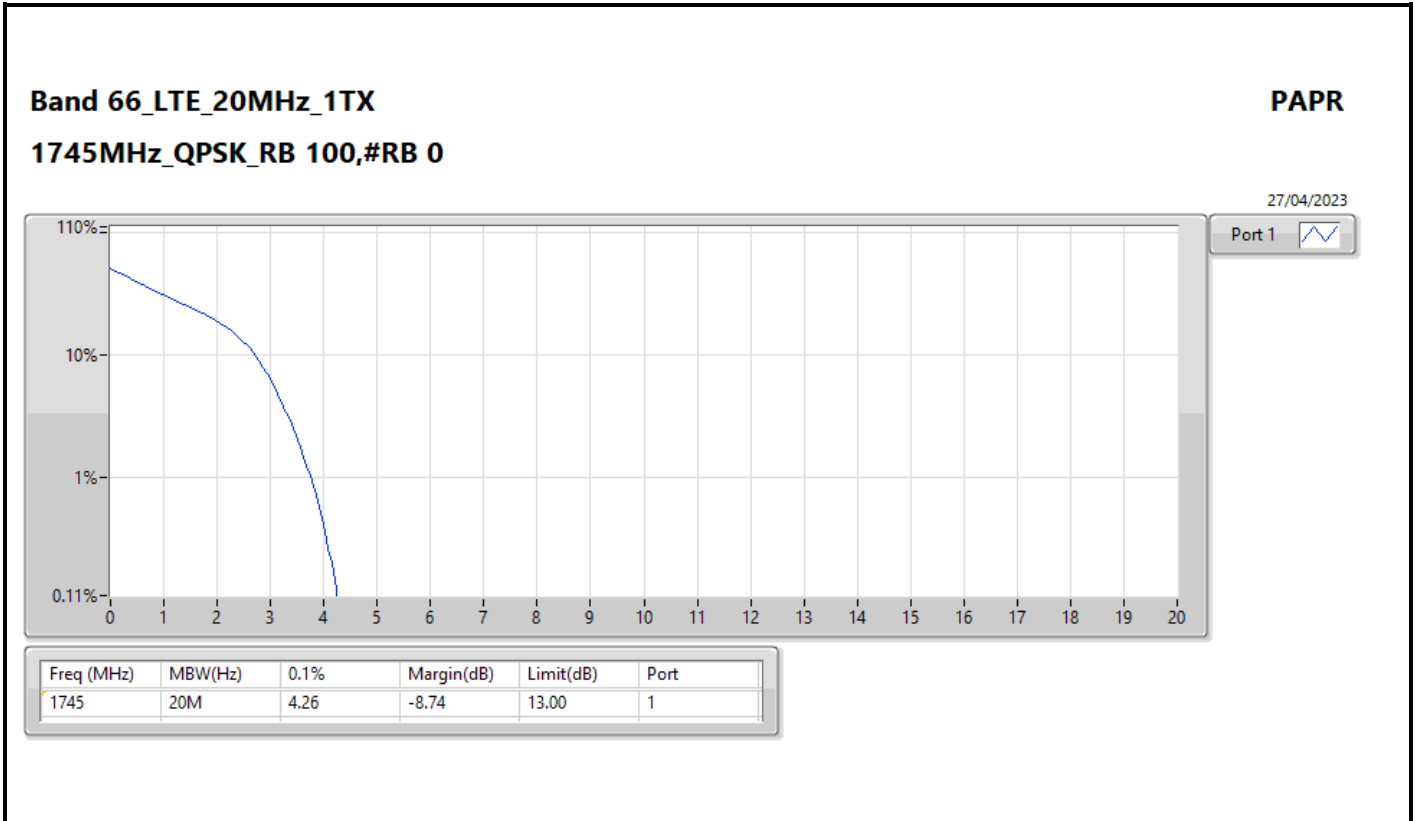
**Appendix B.15**

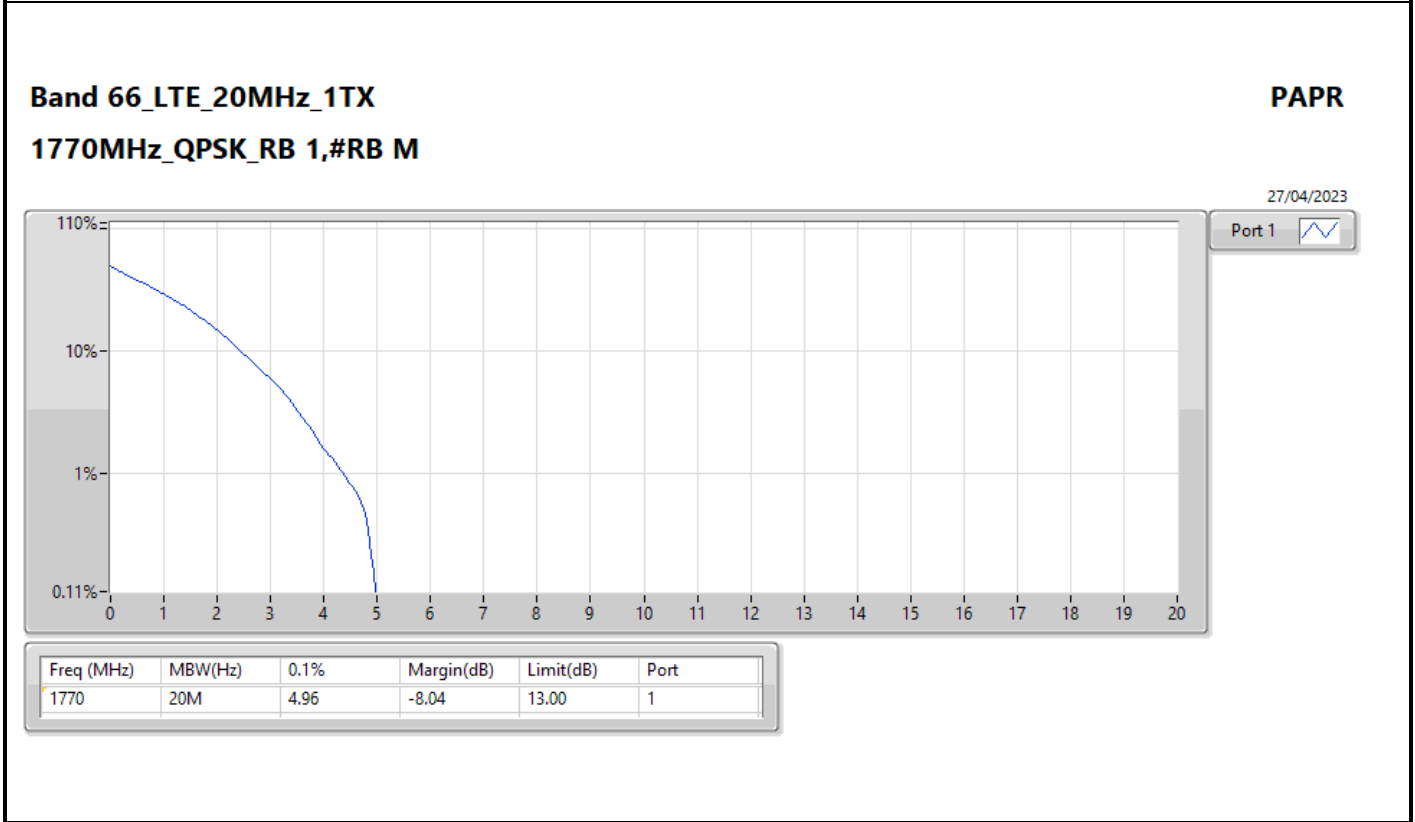
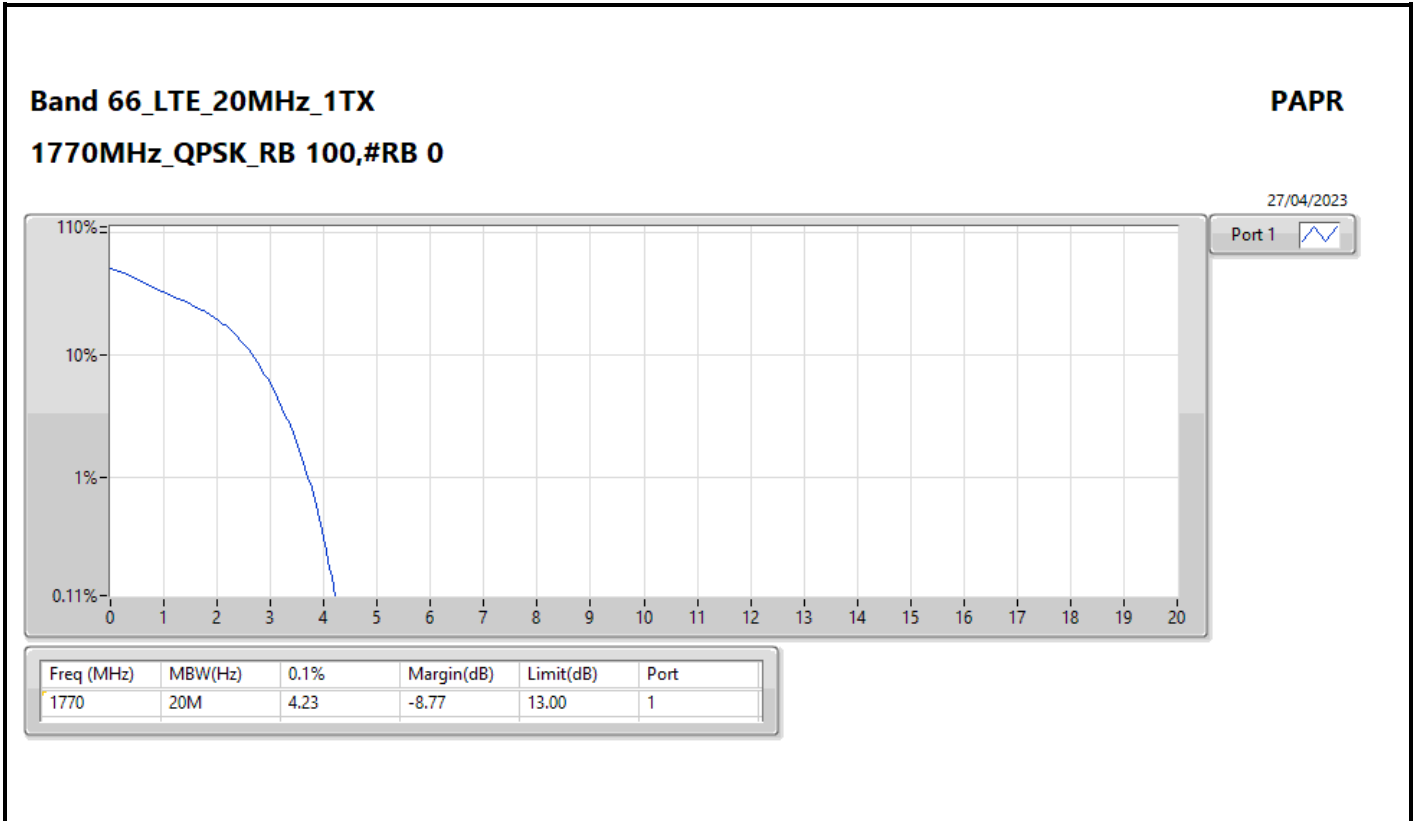
**Result**

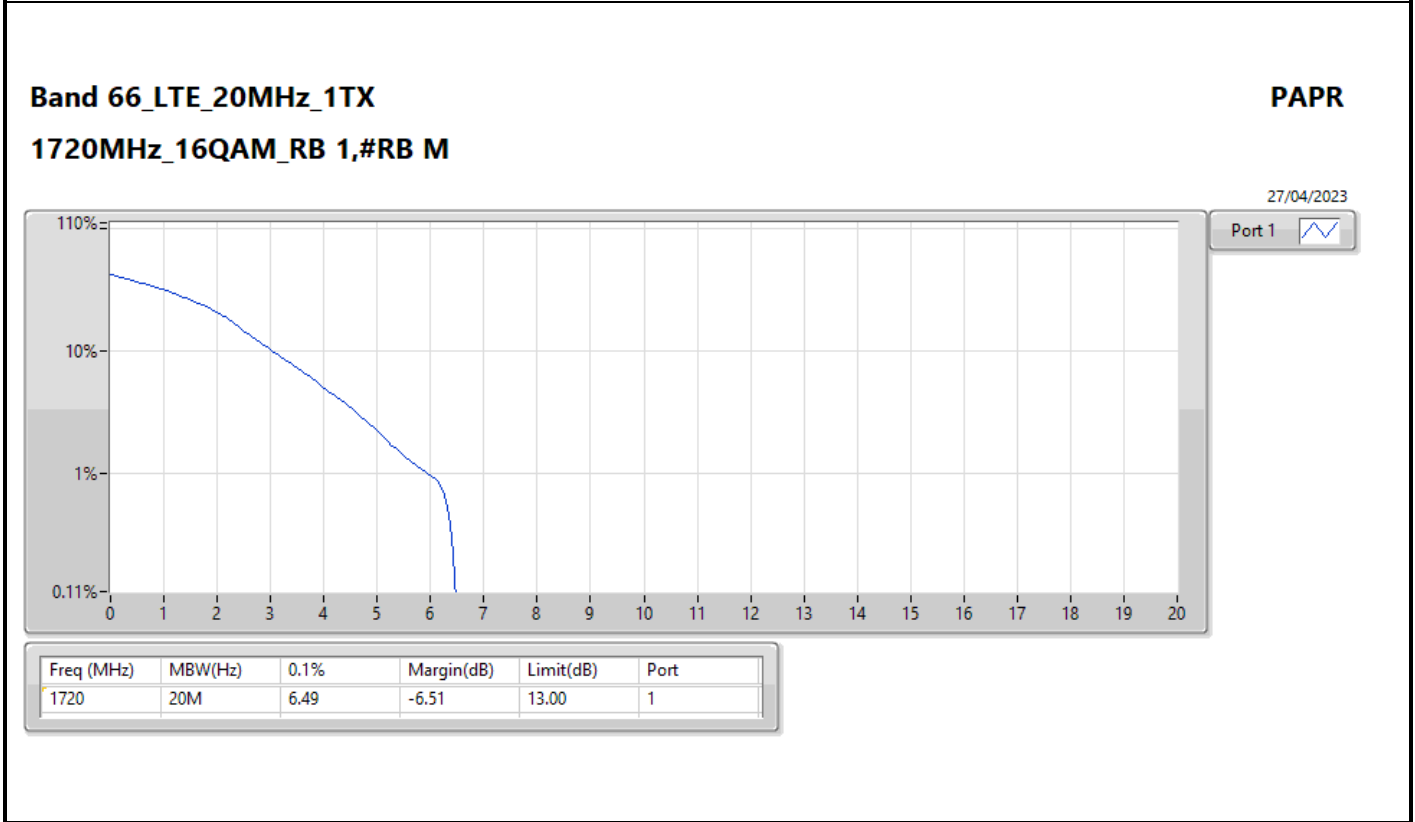
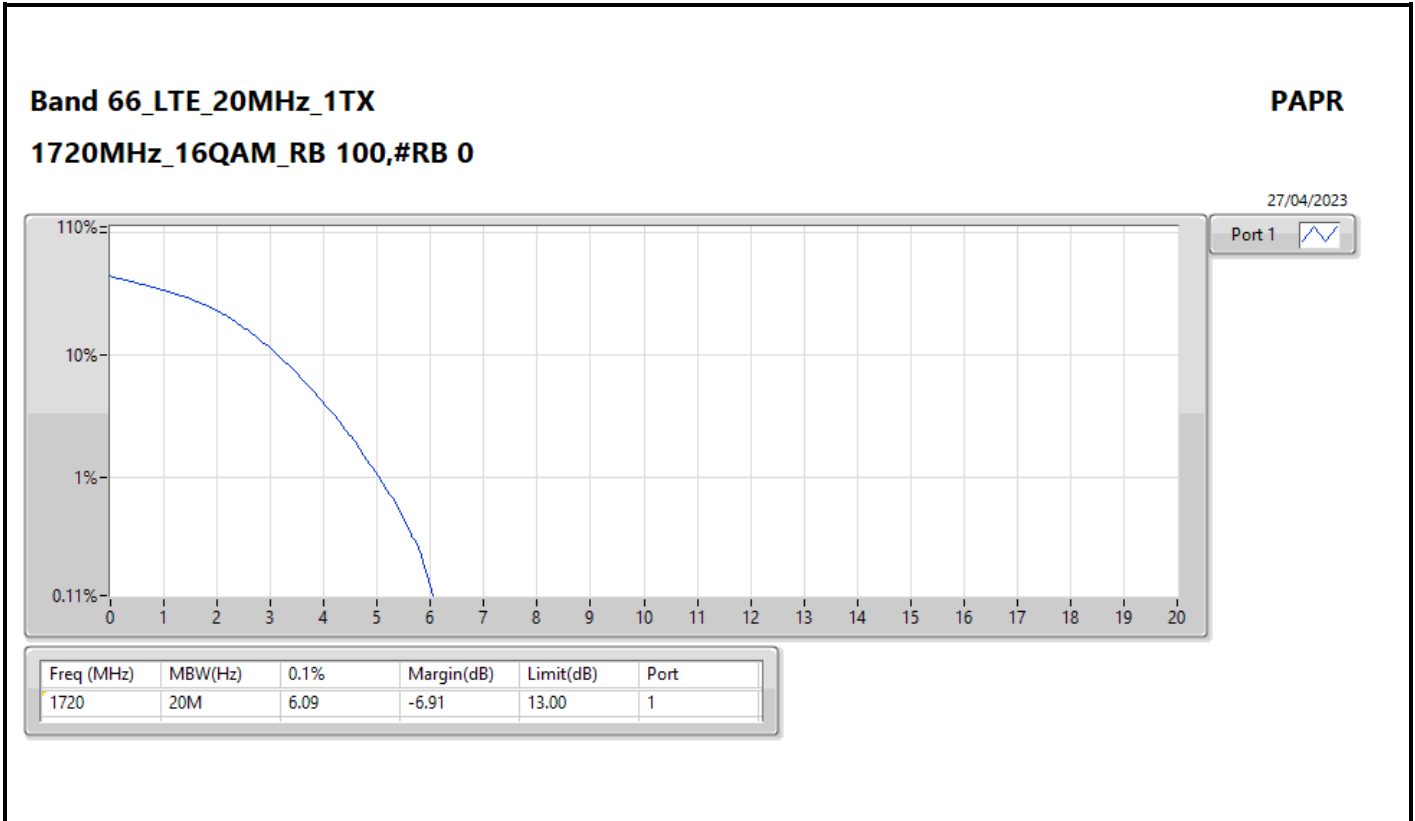
Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 66_LTE_20MHz_QPSK_1TX	-	-	-	-	-
1720MHz_RB 100,#RB 0	Pass	1720	13.00	4.32	1
1720MHz_RB 1,#RB M	Pass	1720	13.00	5.71	1
1745MHz_RB 100,#RB 0	Pass	1745	13.00	4.26	1
1745MHz_RB 1,#RB M	Pass	1745	13.00	5.39	1
1770MHz_RB 100,#RB 0	Pass	1770	13.00	4.23	1
1770MHz_RB 1,#RB M	Pass	1770	13.00	4.96	1
Band 66_LTE_20MHz_16QAM_1TX	-	-	-	-	-
1720MHz_RB 100,#RB 0	Pass	1720	13.00	6.09	1
1720MHz_RB 1,#RB M	Pass	1720	13.00	6.49	1
1745MHz_RB 100,#RB 0	Pass	1745	13.00	5.91	1
1745MHz_RB 1,#RB M	Pass	1745	13.00	6.12	1
1770MHz_RB 100,#RB 0	Pass	1770	13.00	5.88	1
1770MHz_RB 1,#RB M	Pass	1770	13.00	5.65	1
Band 66_LTE_20MHz_64QAM_1TX	-	-	-	-	-
1720MHz_RB 100,#RB 0	Pass	1720	13.00	6.26	1
1720MHz_RB 1,#RB M	Pass	1720	13.00	6.09	1
1745MHz_RB 100,#RB 0	Pass	1745	13.00	5.94	1
1745MHz_RB 1,#RB M	Pass	1745	13.00	5.88	1
1770MHz_RB 100,#RB 0	Pass	1770	13.00	5.83	1
1770MHz_RB 1,#RB M	Pass	1770	13.00	5.54	1

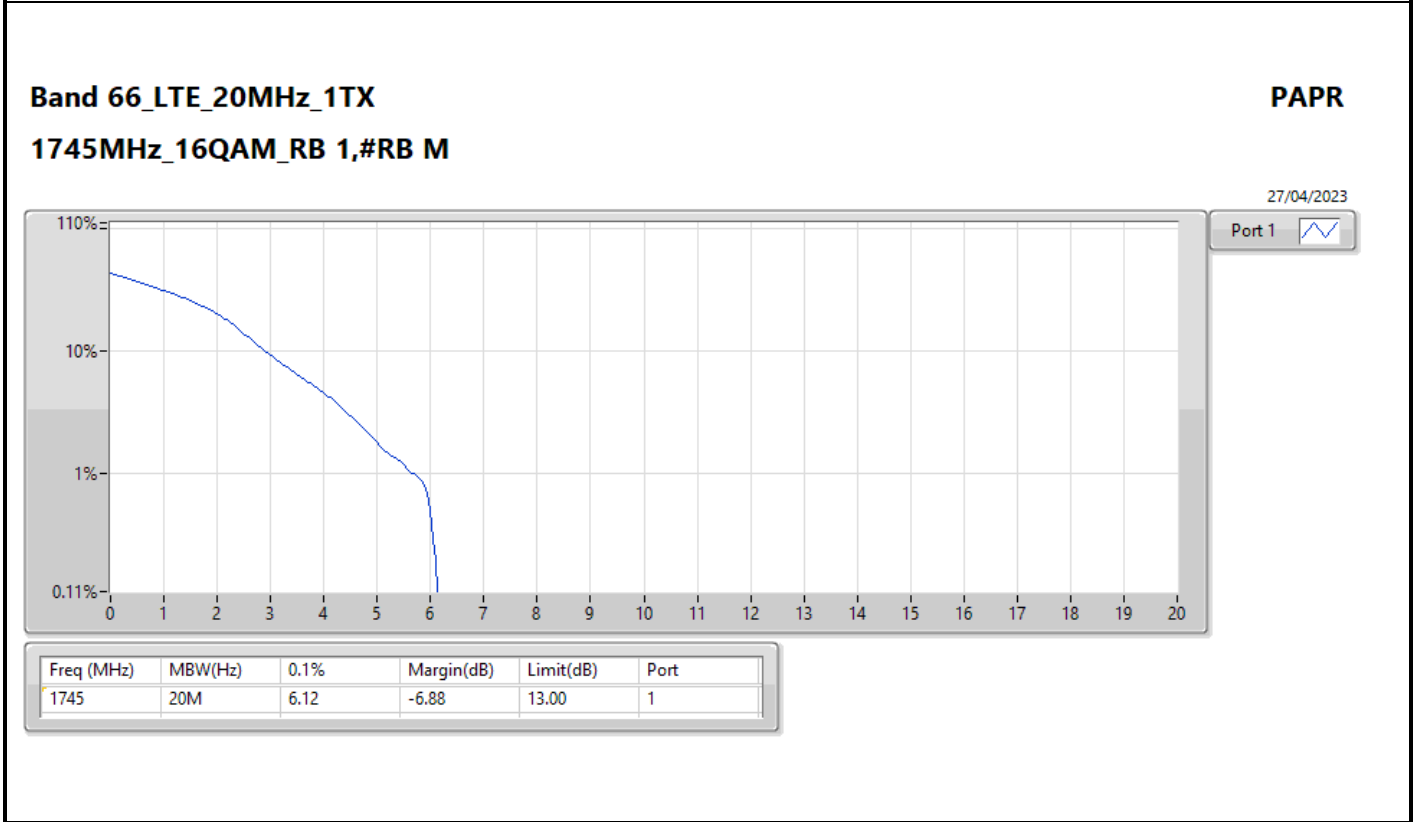
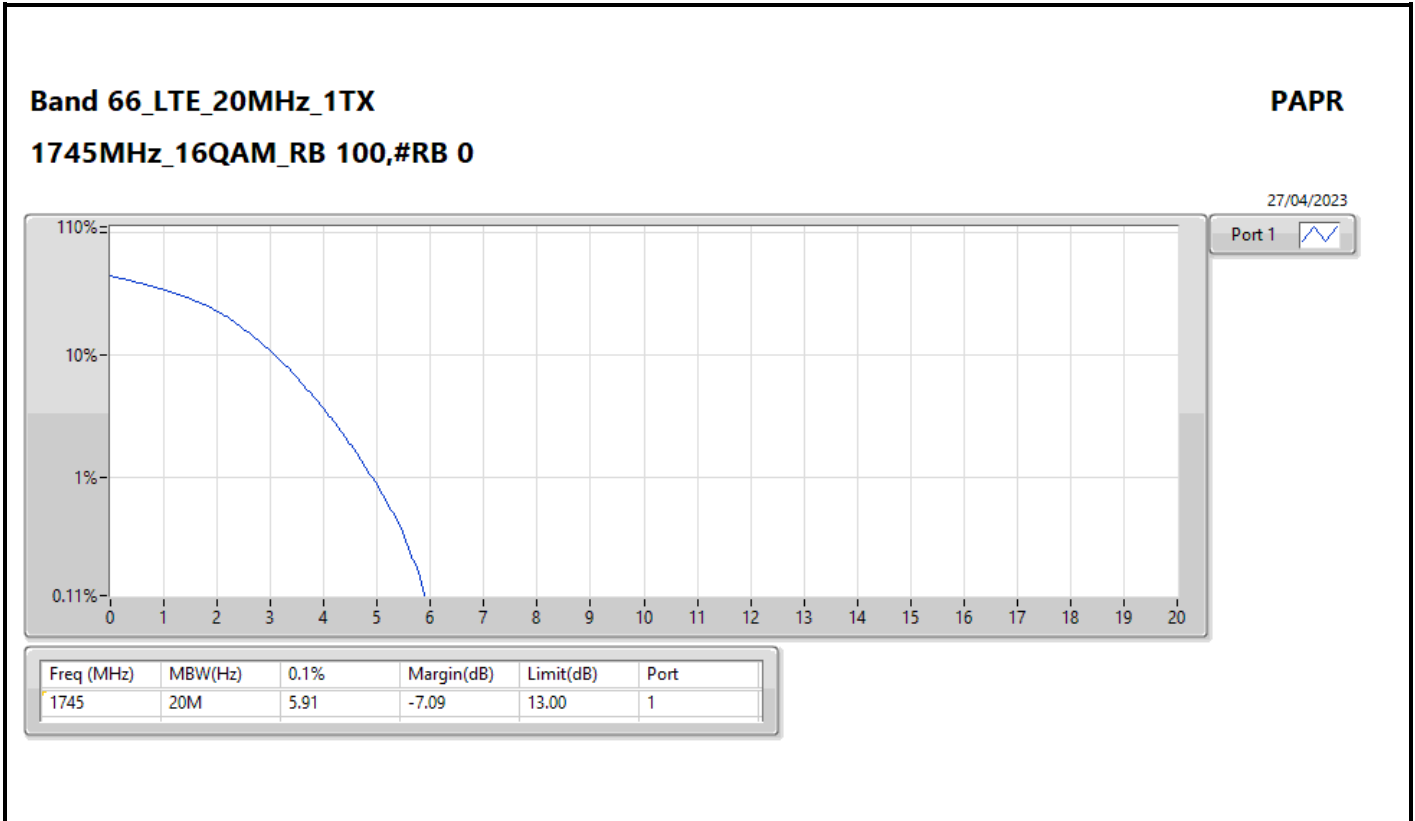


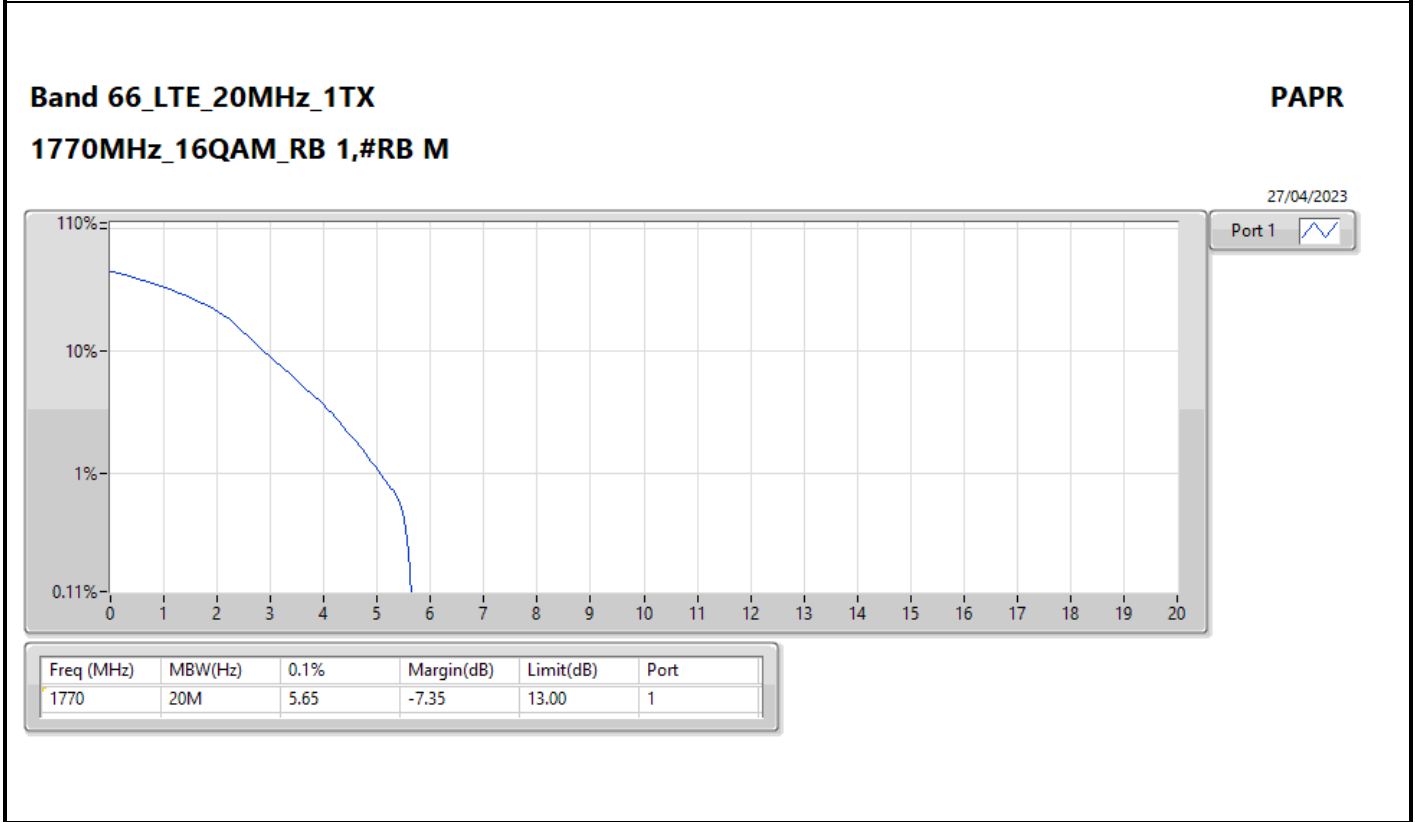
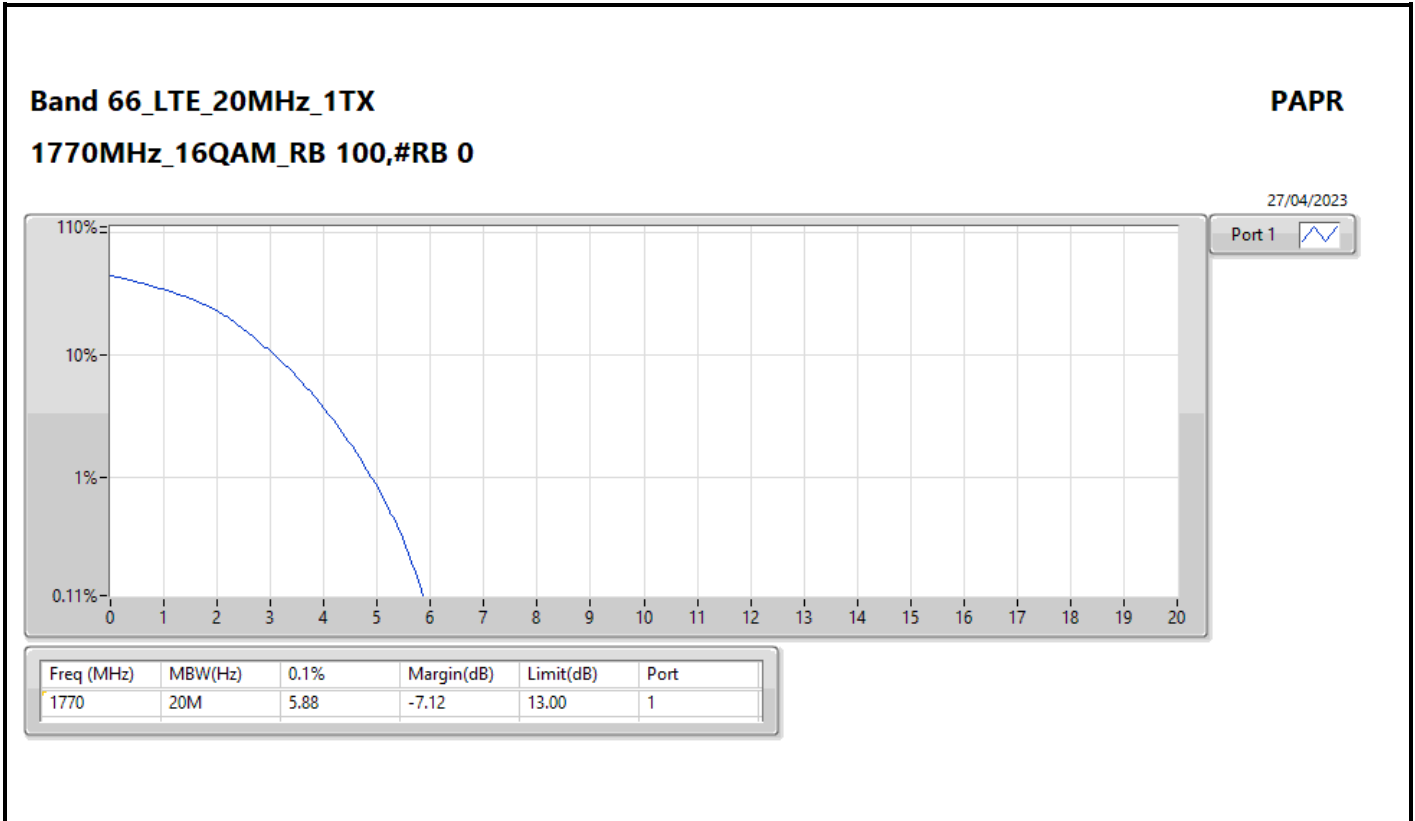


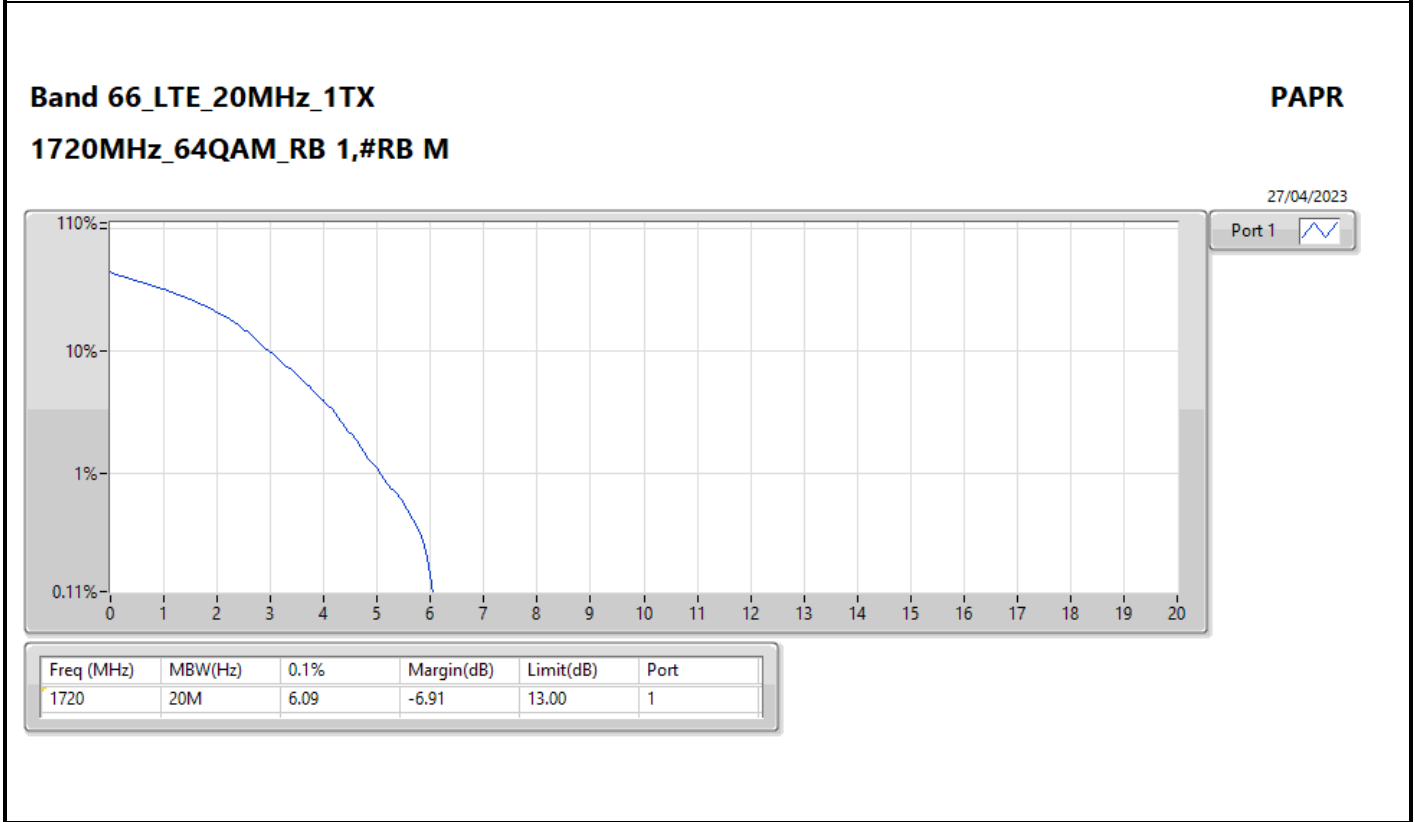
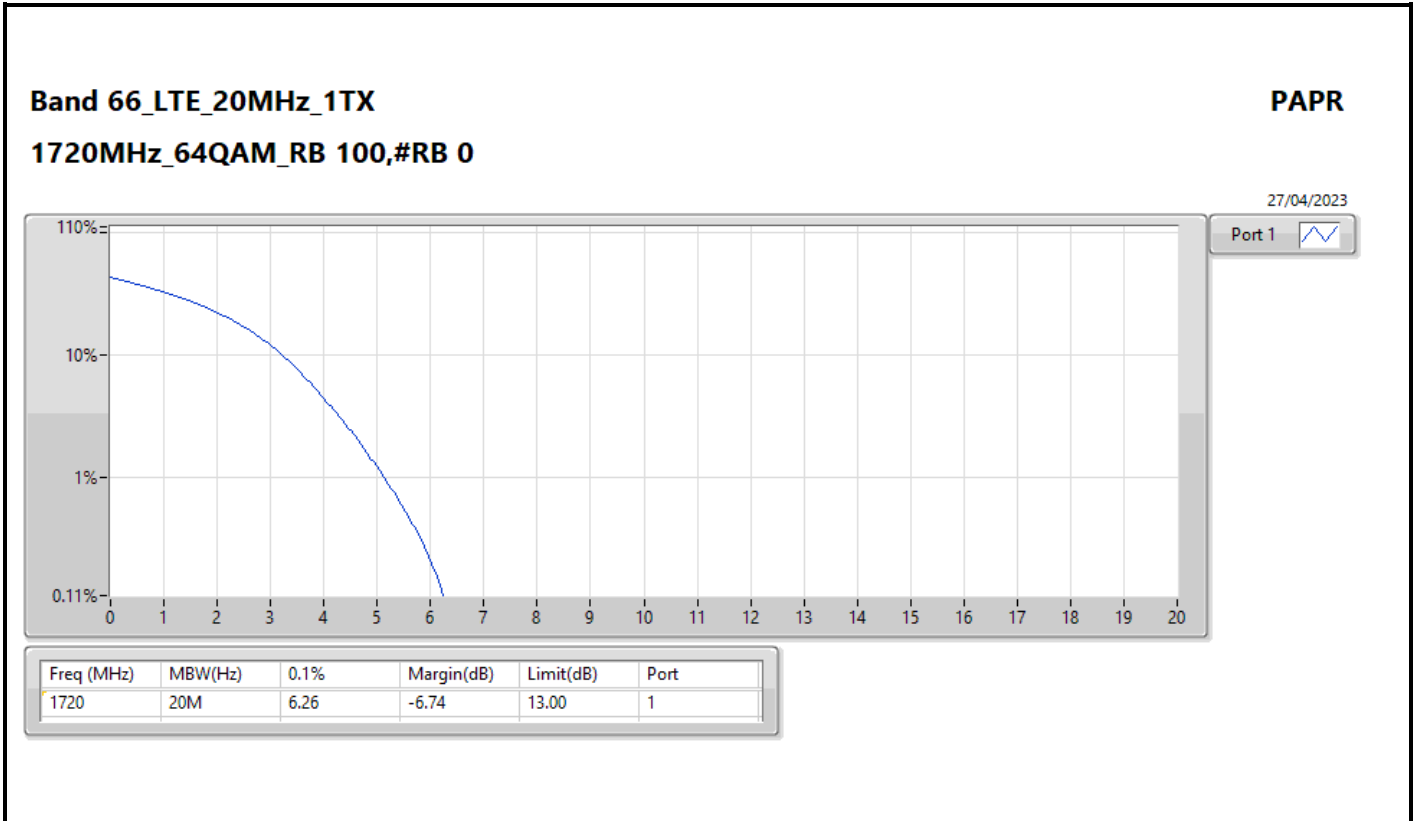


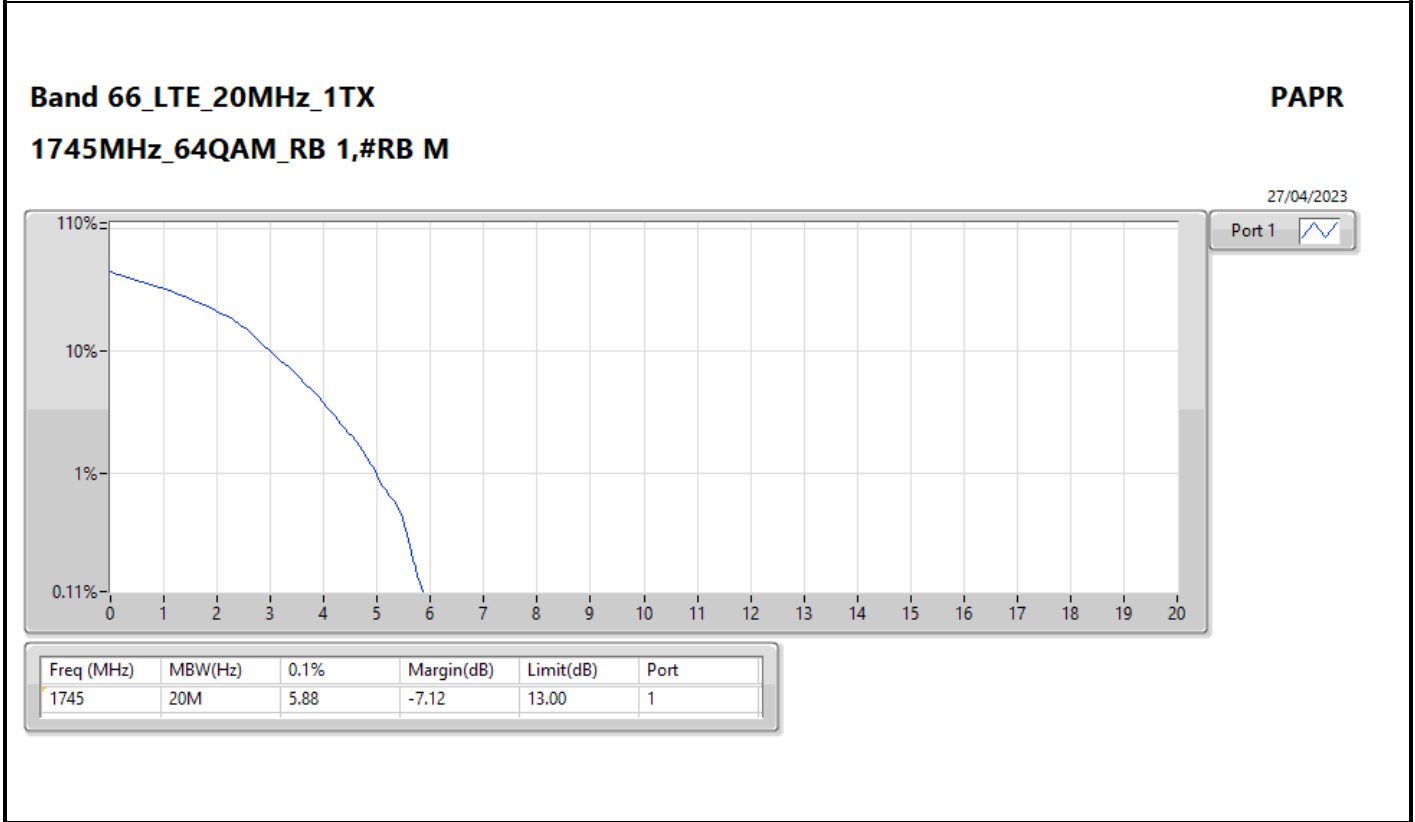
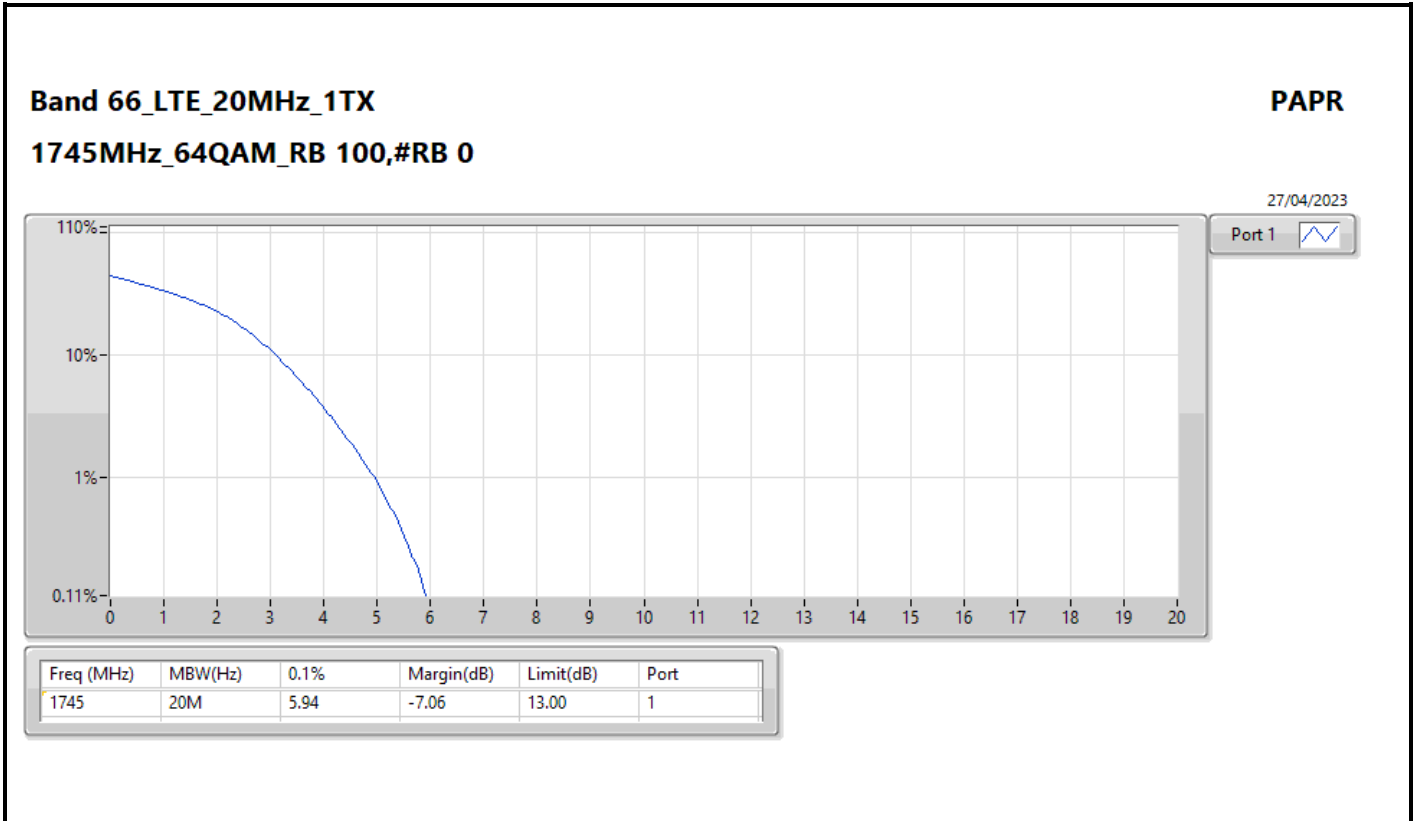










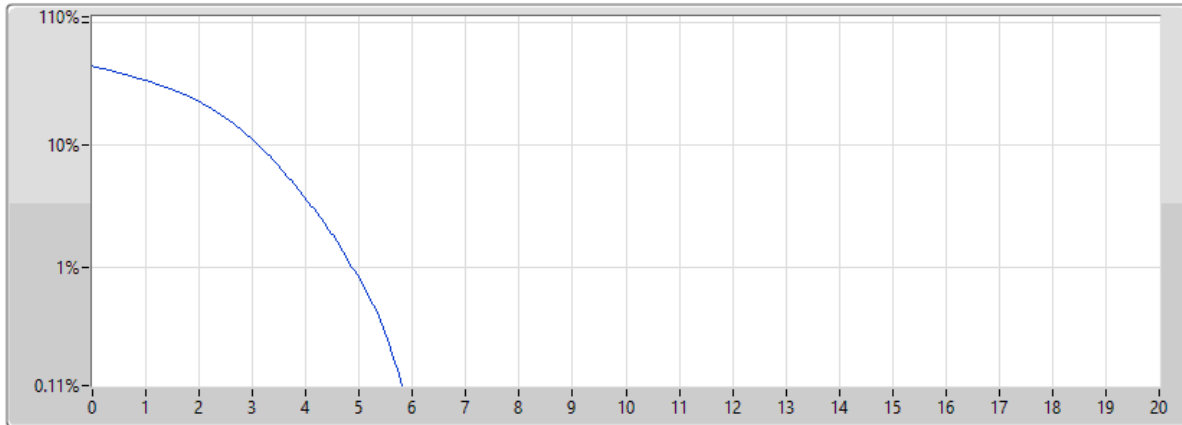


**Band 66\_LTE\_20MHz\_1TX**

**PAPR**

**1770MHz\_64QAM\_RB 100,#RB 0**

27/04/2023



Port 1 

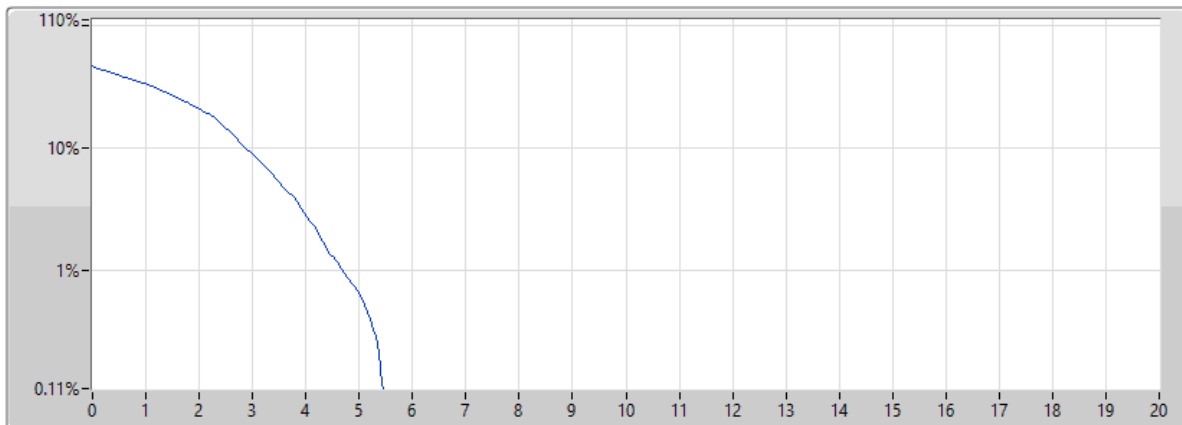
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1770	20M	5.83	-7.17	13.00	1

**Band 66\_LTE\_20MHz\_1TX**

**PAPR**

**1770MHz\_64QAM\_RB 1,#RB M**

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Port 1 

Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1770	20M	5.54	-7.46	13.00	1





**Peak to Average Power Ratio (PAPR)  
(Mode 16: LTE Band 71)**

**Appendix B.16**

**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 71	-	-	-	-	-
LTE_20MHz_QPSK_1TX	Pass	673	13.00	5.16	1
LTE_20MHz_16QAM_1TX	Pass	673	13.00	5.88	1
LTE_20MHz_64QAM_1TX	Pass	673	13.00	5.91	1

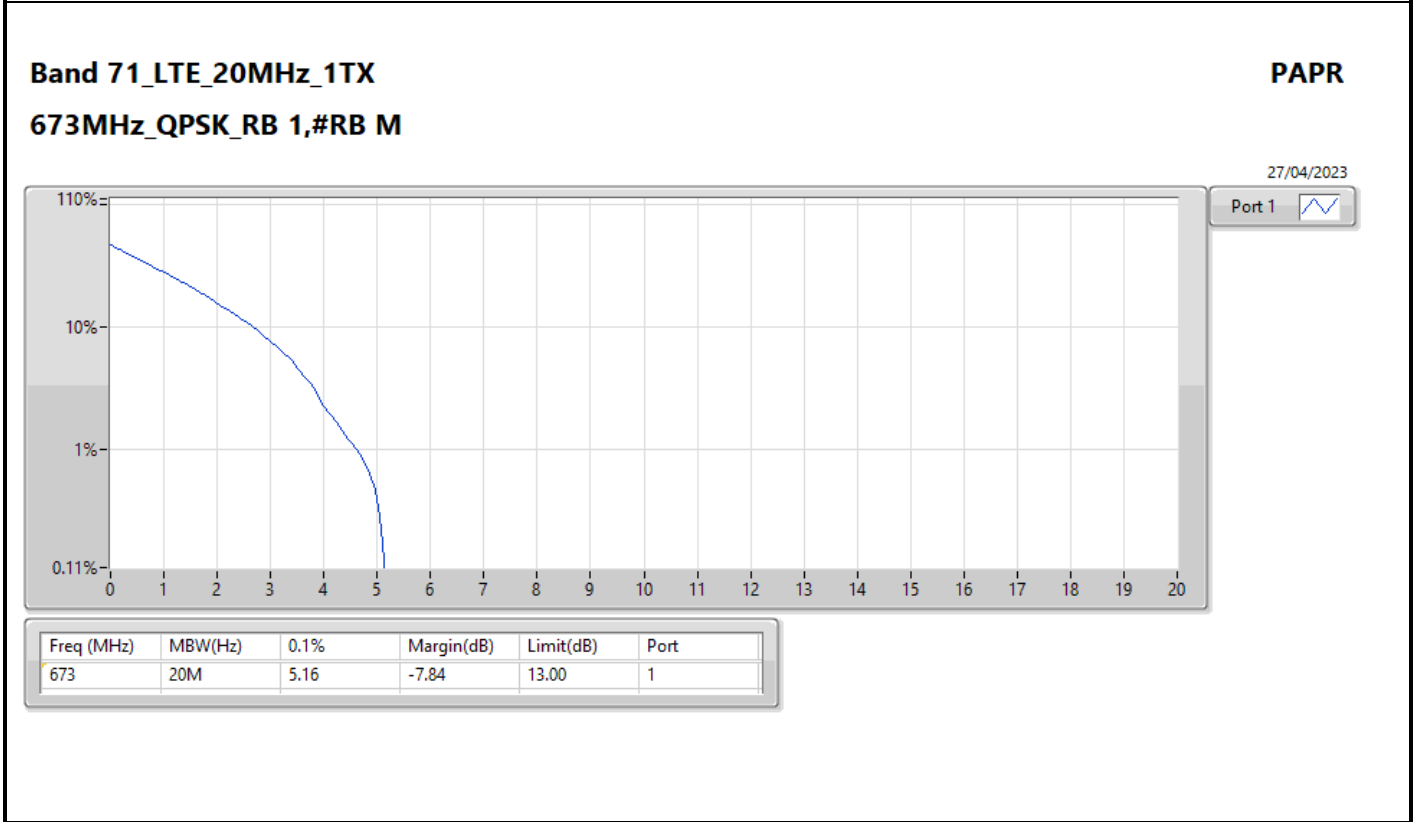
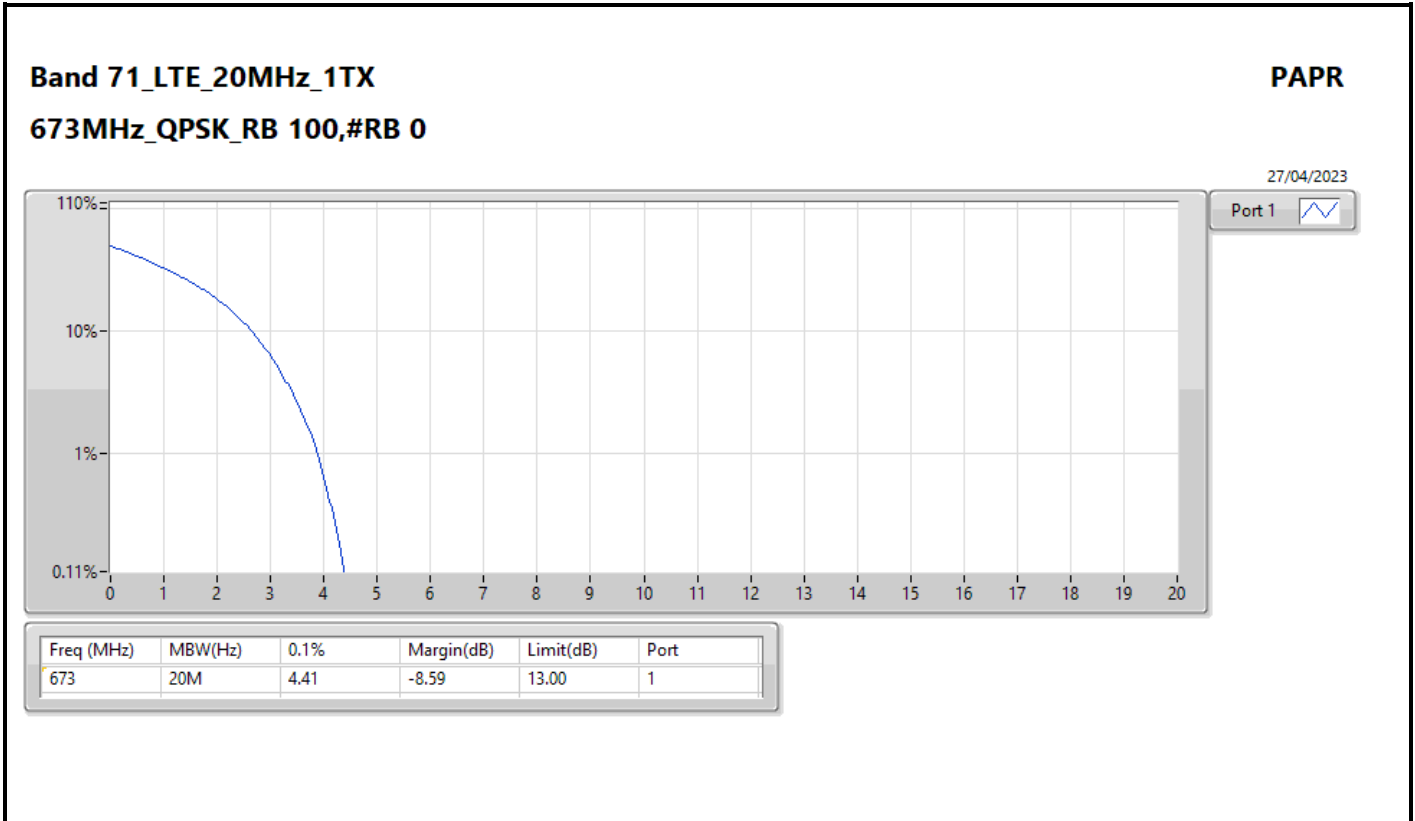


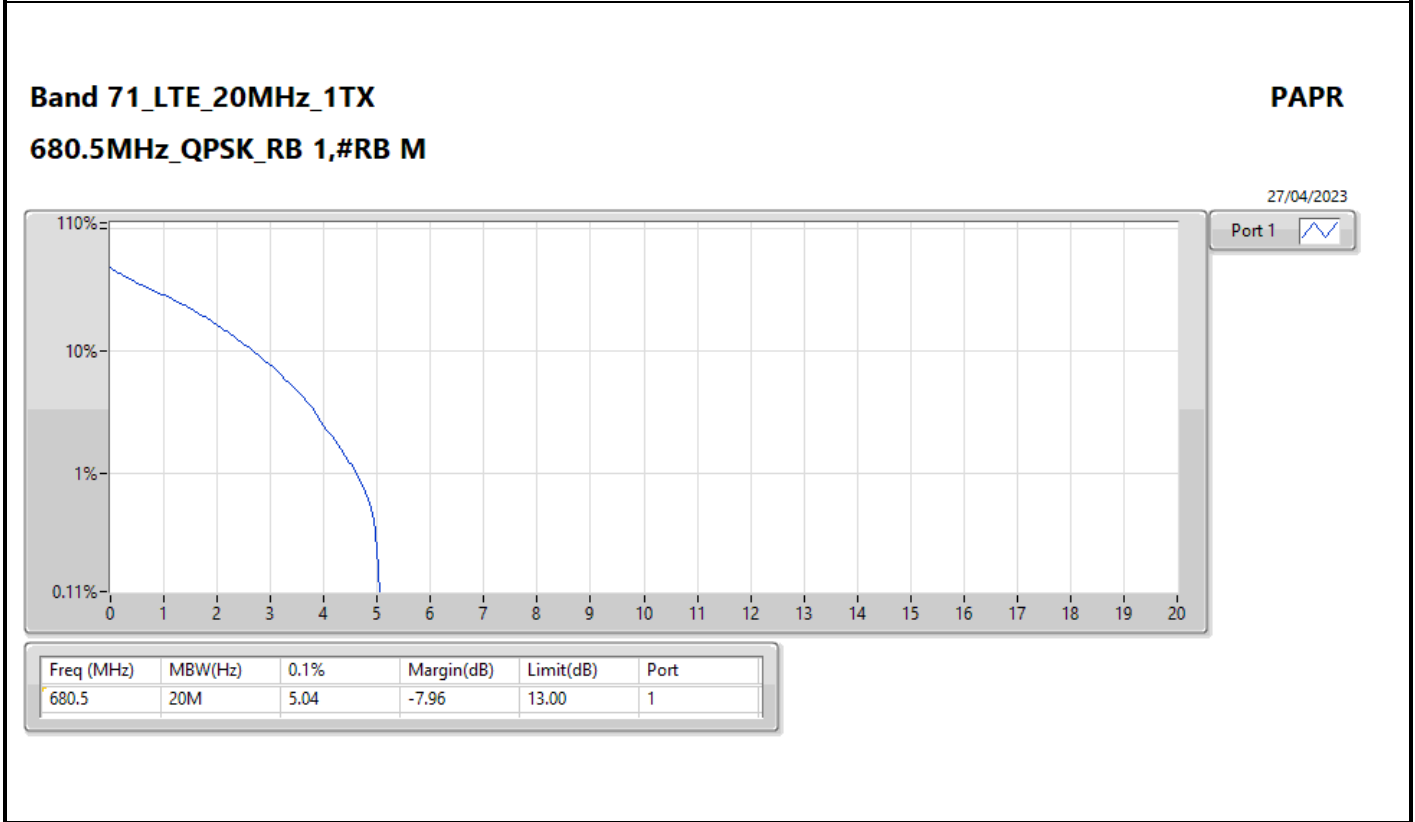
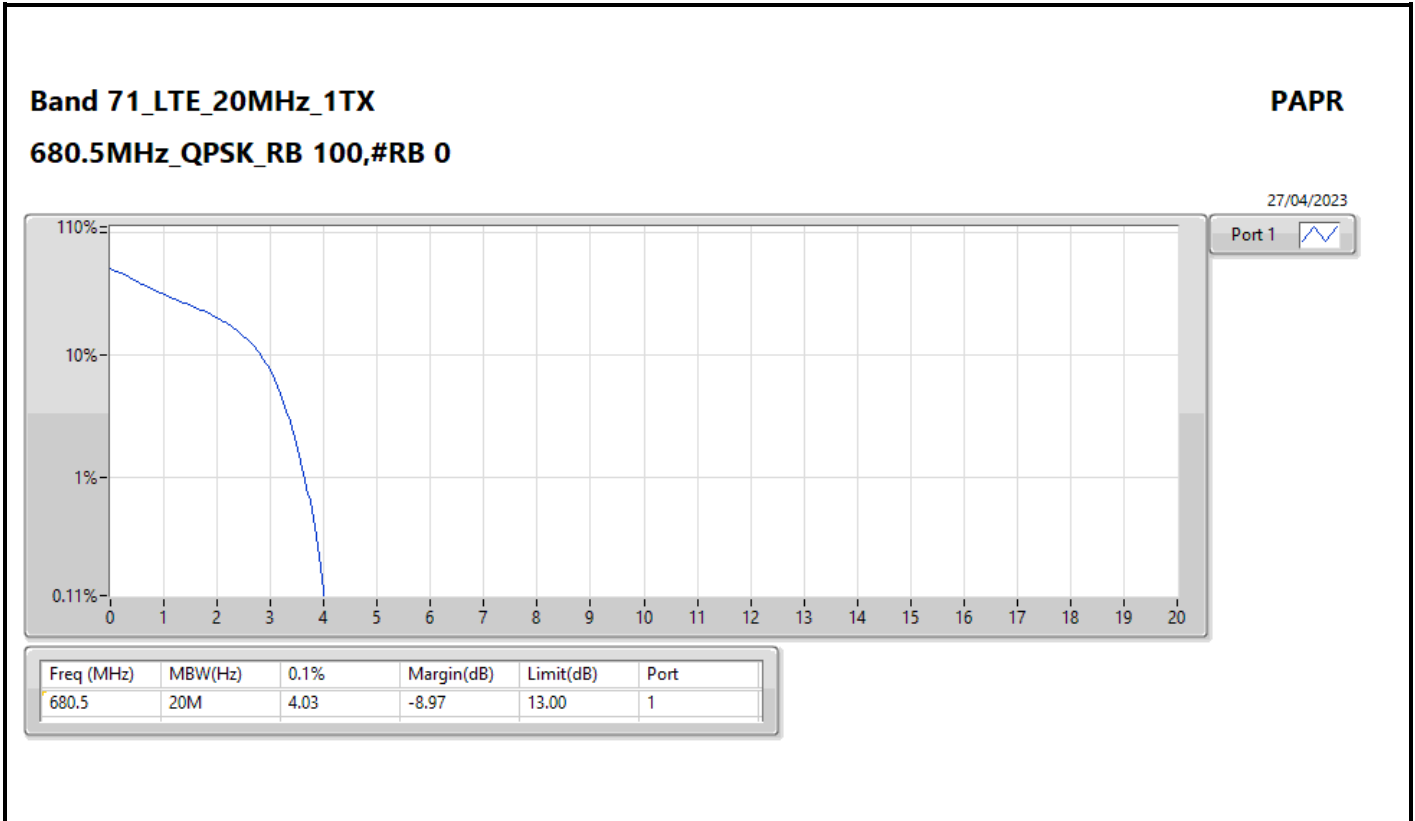
**Peak to Average Power Ratio (PAPR)  
(Mode 16: LTE Band 71)**

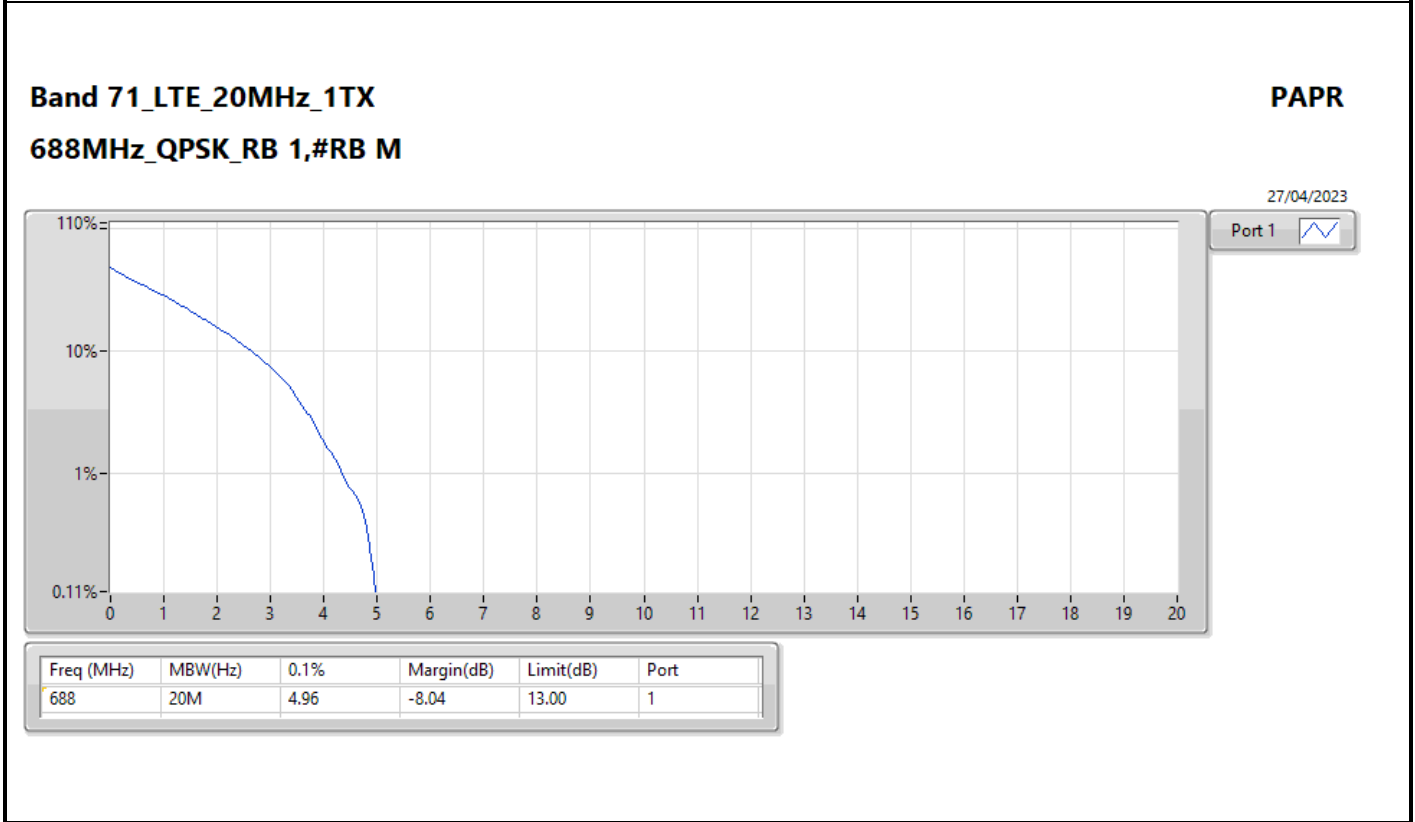
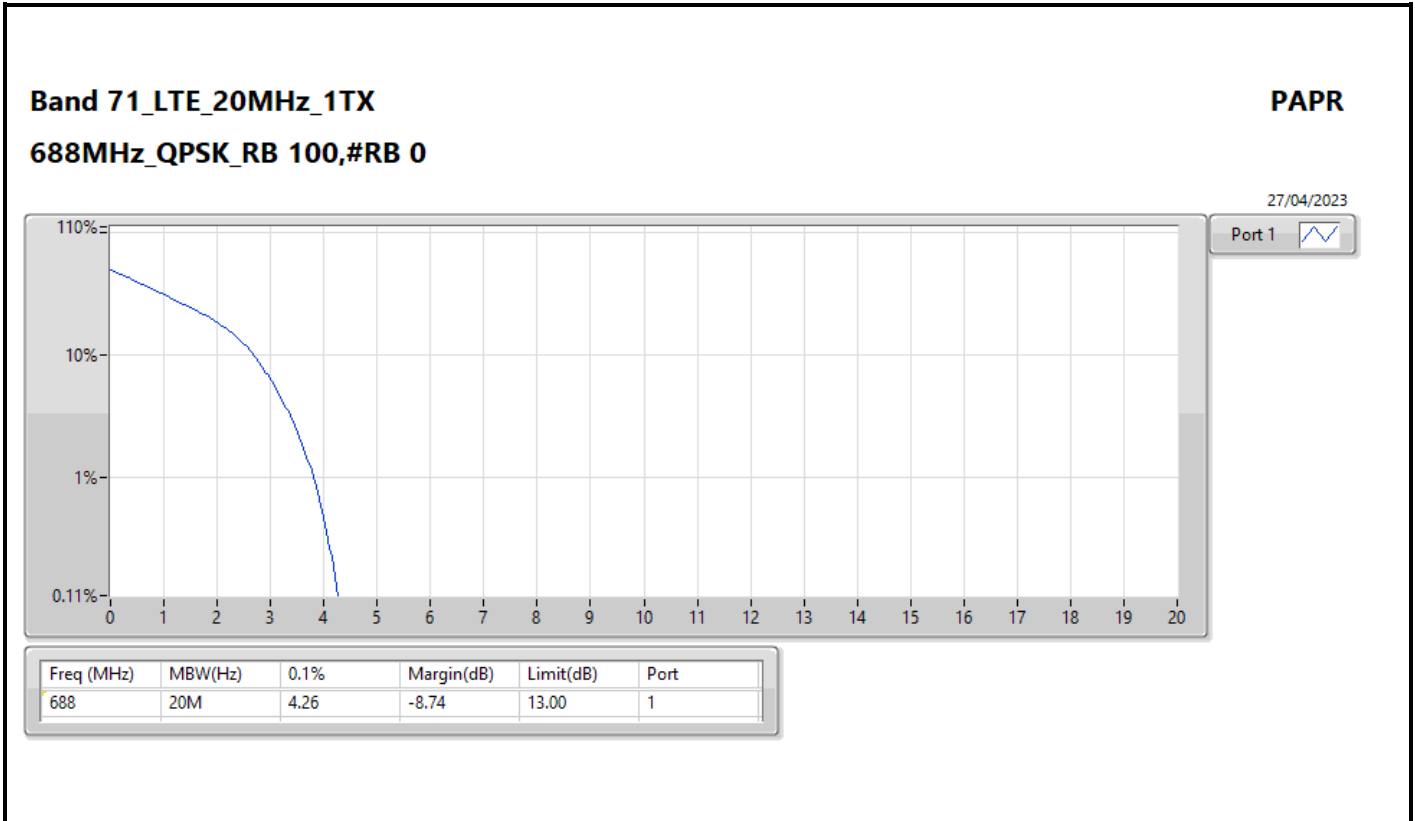
**Appendix B.16**

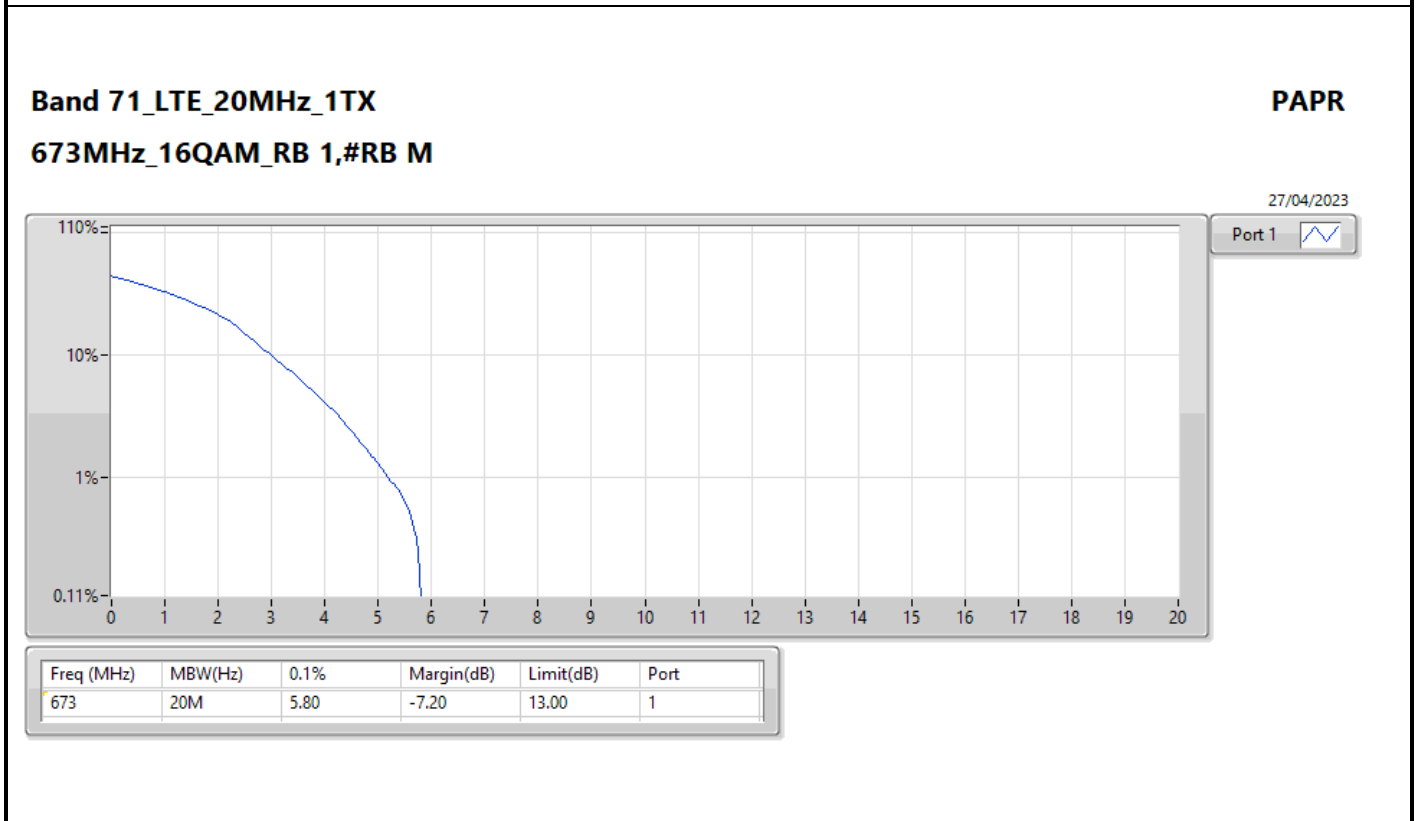
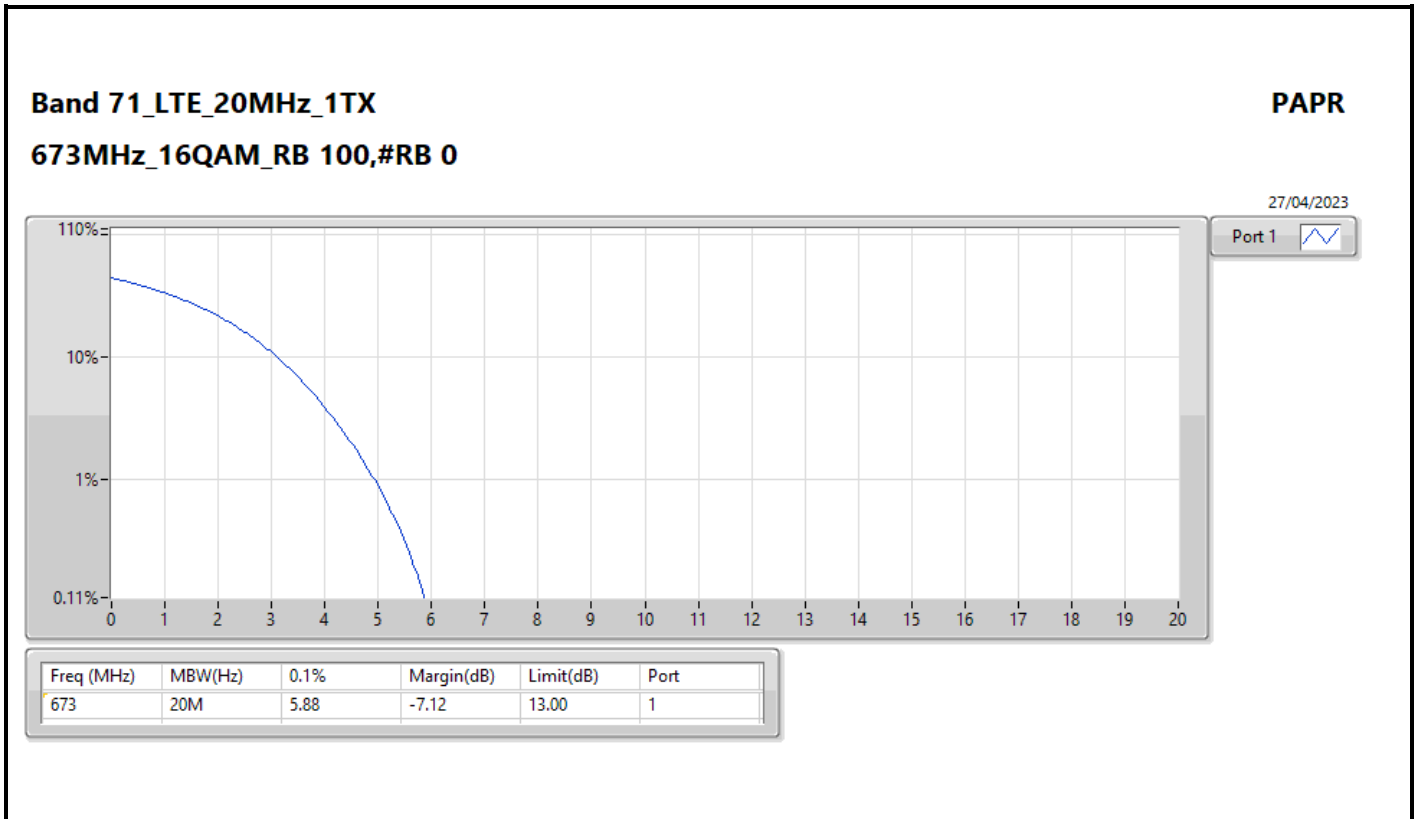
**Result**

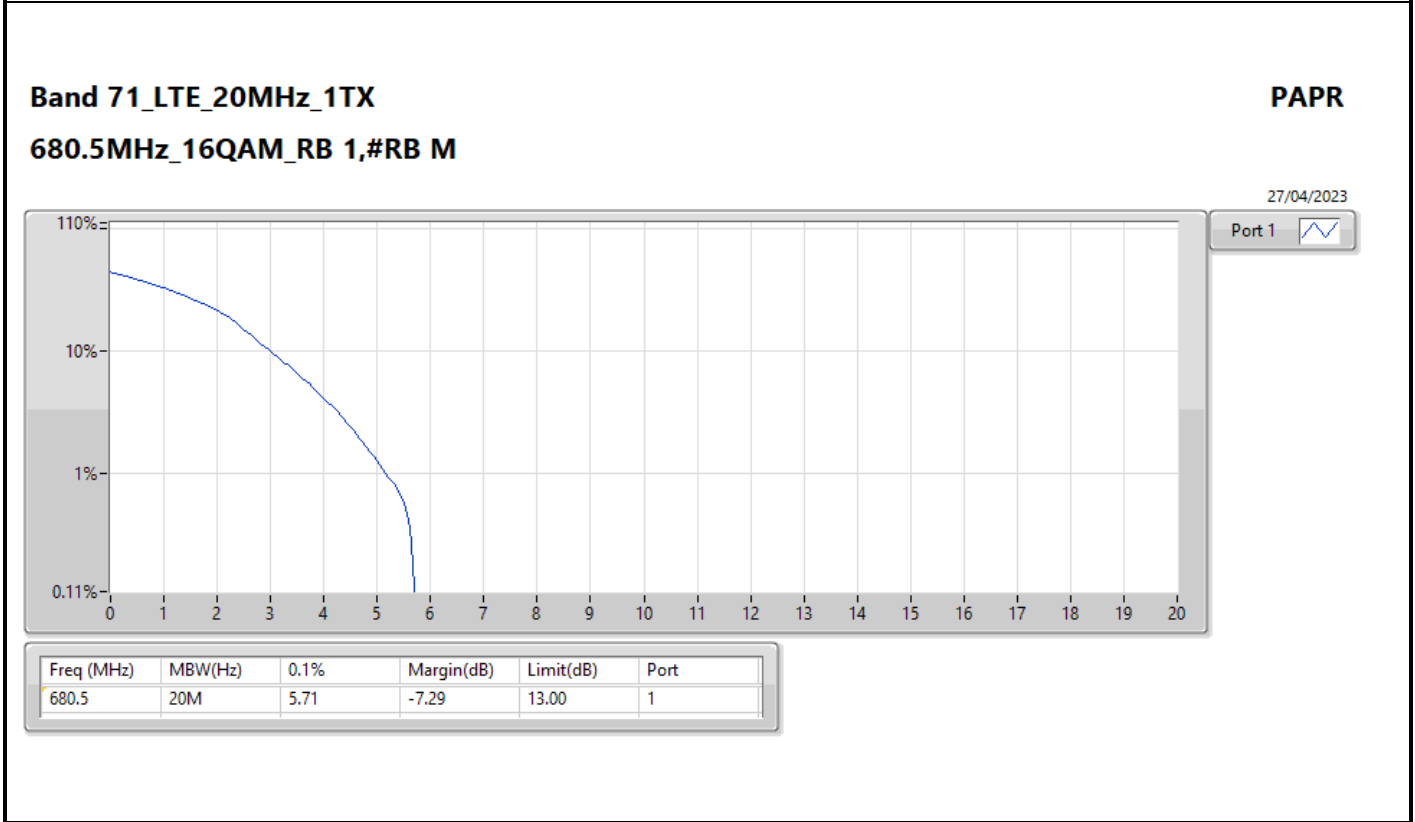
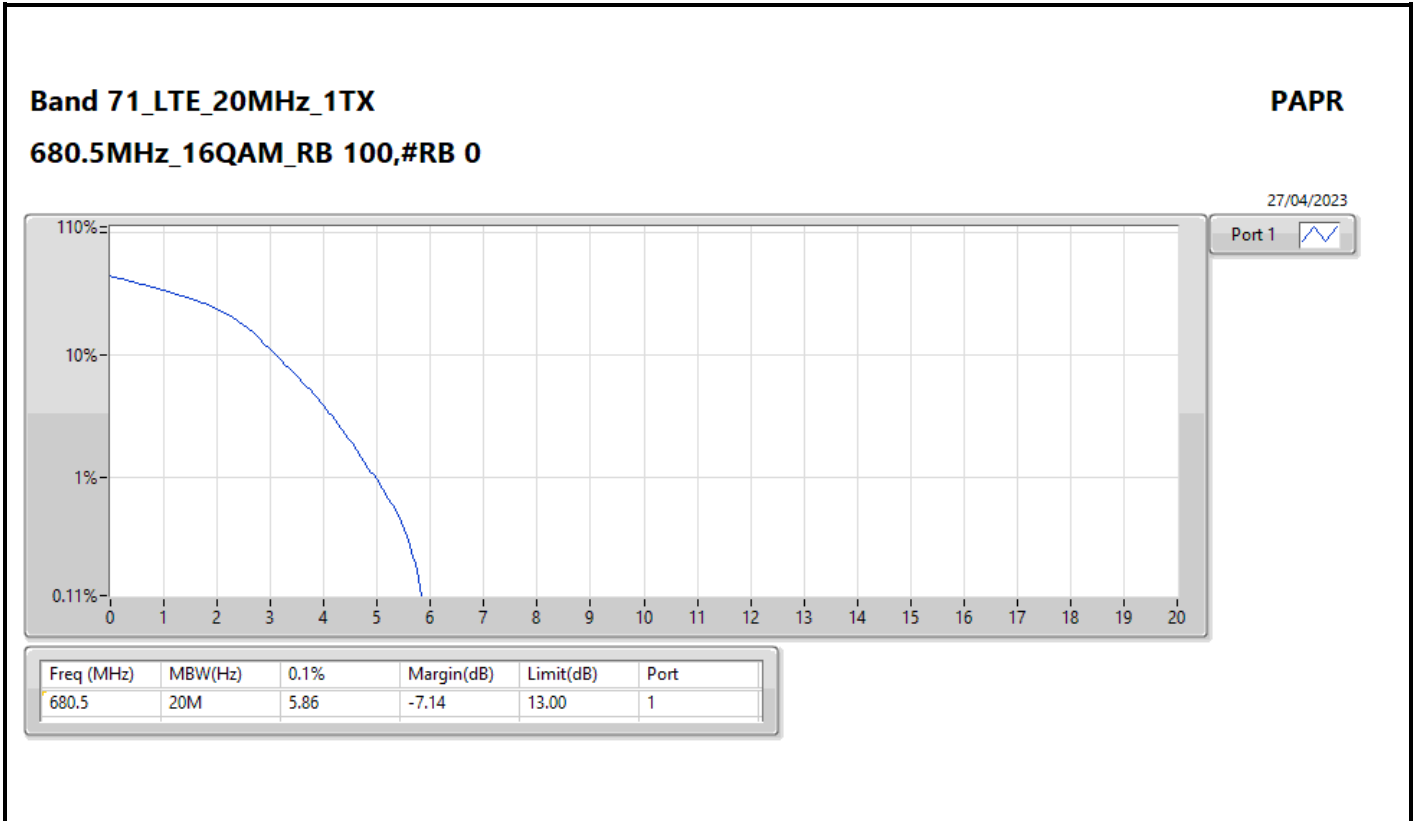
Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 71_LTE_20MHz_QPSK_1TX	-	-	-	-	-
673MHz_RB 100,#RB 0	Pass	673	13.00	4.41	1
673MHz_RB 1,#RB M	Pass	673	13.00	5.16	1
680.5MHz_RB 100,#RB 0	Pass	680.5	13.00	4.03	1
680.5MHz_RB 1,#RB M	Pass	680.5	13.00	5.04	1
688MHz_RB 100,#RB 0	Pass	688	13.00	4.26	1
688MHz_RB 1,#RB M	Pass	688	13.00	4.96	1
Band 71_LTE_20MHz_16QAM_1TX	-	-	-	-	-
673MHz_RB 100,#RB 0	Pass	673	13.00	5.88	1
673MHz_RB 1,#RB M	Pass	673	13.00	5.80	1
680.5MHz_RB 100,#RB 0	Pass	680.5	13.00	5.86	1
680.5MHz_RB 1,#RB M	Pass	680.5	13.00	5.71	1
688MHz_RB 100,#RB 0	Pass	688	13.00	5.88	1
688MHz_RB 1,#RB M	Pass	688	13.00	5.68	1
Band 71_LTE_20MHz_64QAM_1TX	-	-	-	-	-
673MHz_RB 100,#RB 0	Pass	673	13.00	5.91	1
673MHz_RB 1,#RB M	Pass	673	13.00	5.68	1
680.5MHz_RB 100,#RB 0	Pass	680.5	13.00	5.83	1
680.5MHz_RB 1,#RB M	Pass	680.5	13.00	5.88	1
688MHz_RB 100,#RB 0	Pass	688	13.00	5.86	1
688MHz_RB 1,#RB M	Pass	688	13.00	5.62	1

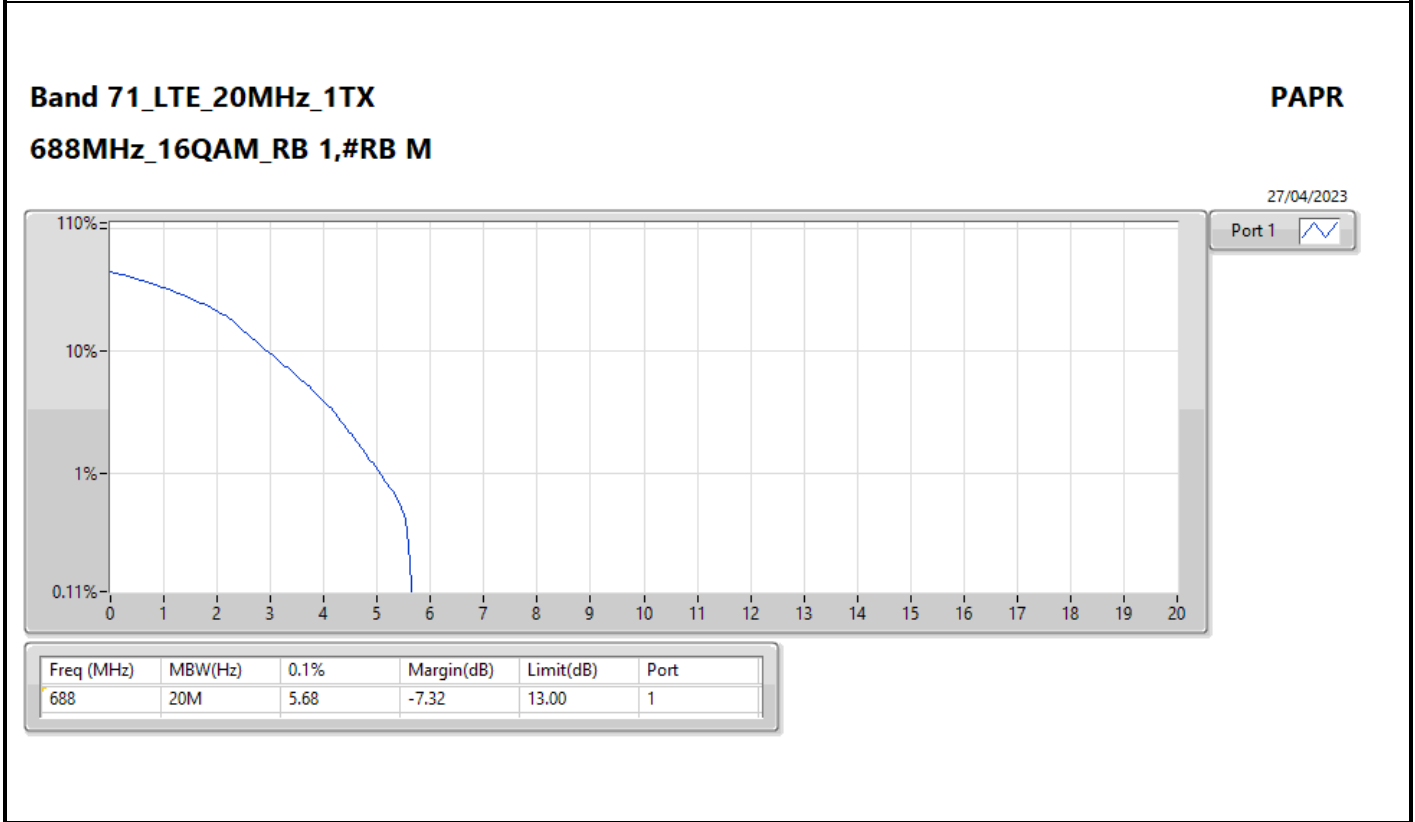
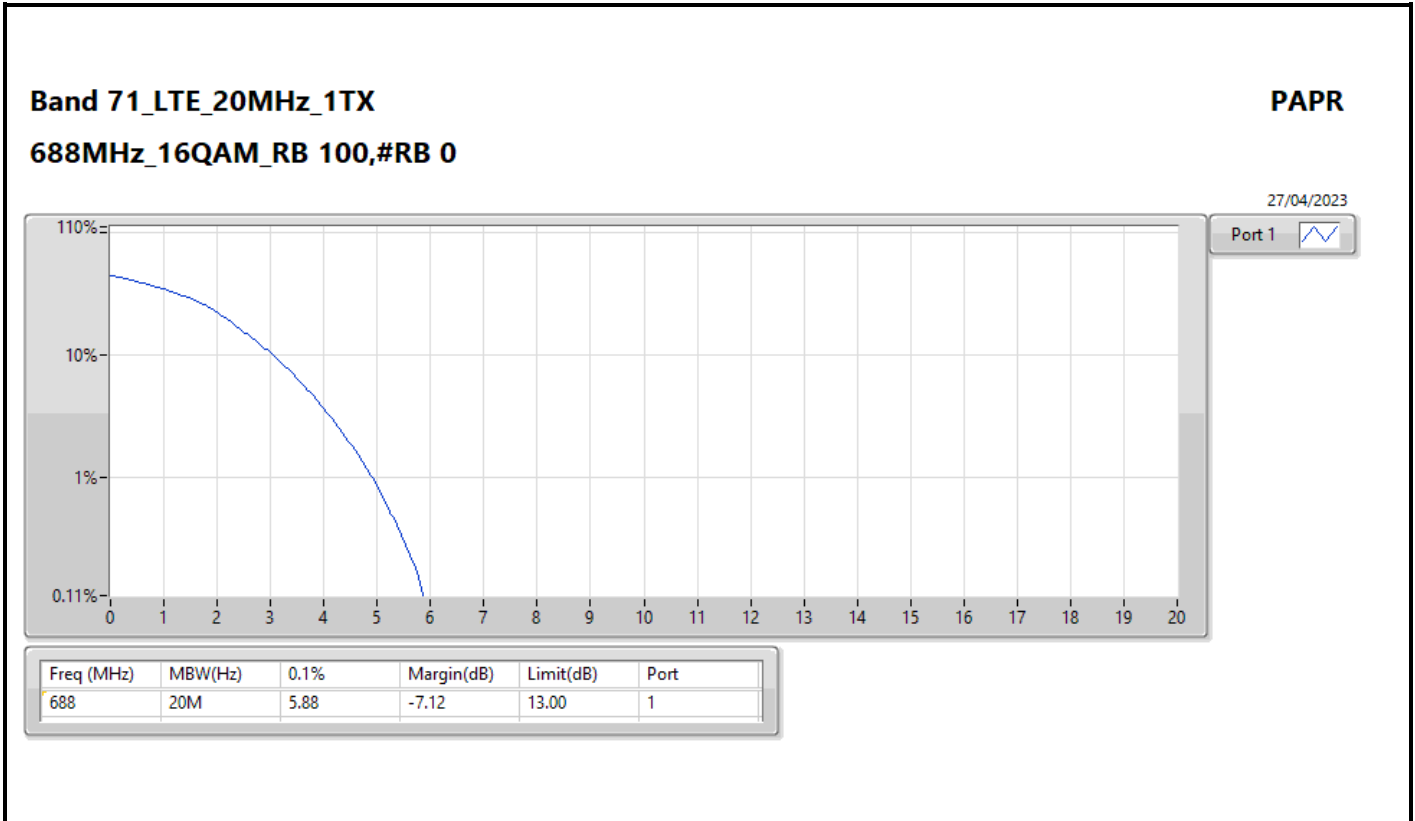












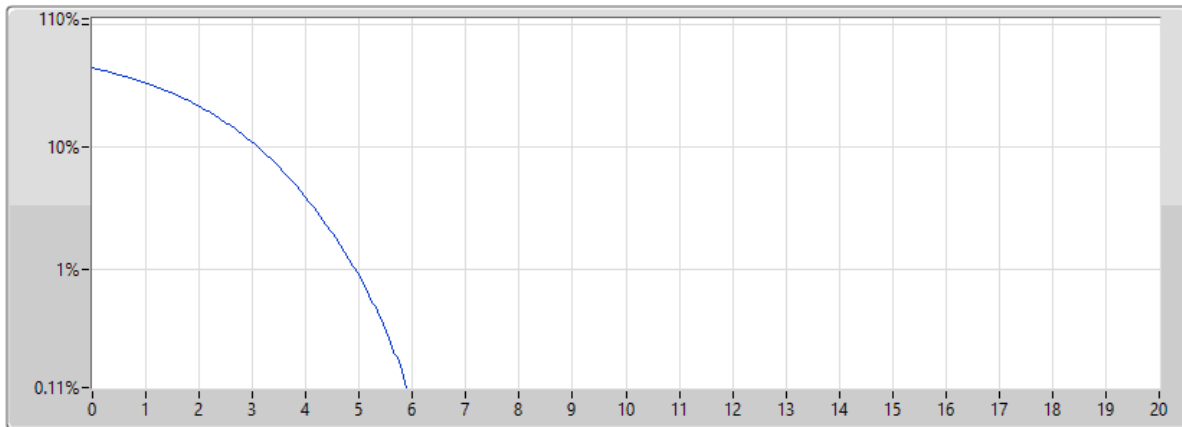



**Band 71\_LTE\_20MHz\_1TX**

**PAPR**

**673MHz\_64QAM\_RB 100,#RB 0**

27/04/2023



Port 1 

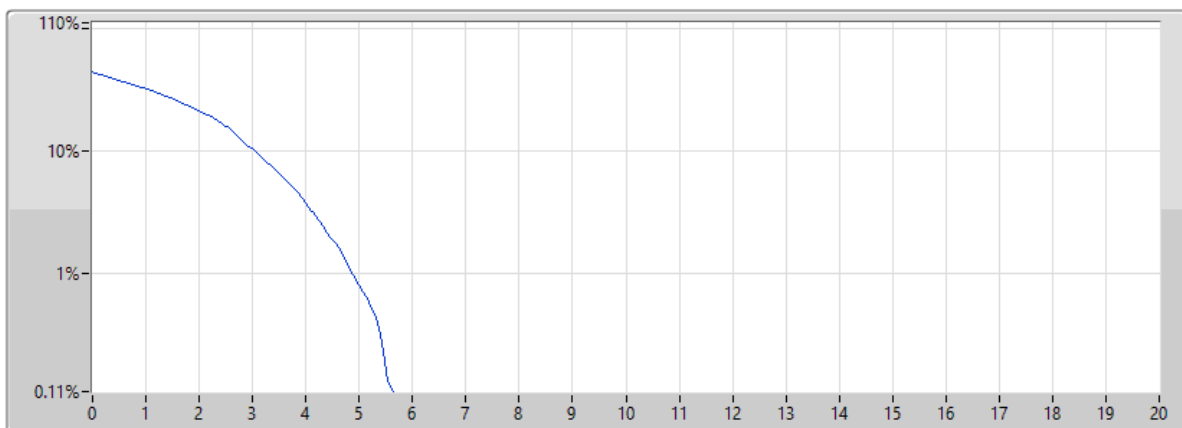
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
673	20M	5.91	-7.09	13.00	1


**Band 71\_LTE\_20MHz\_1TX**

**PAPR**

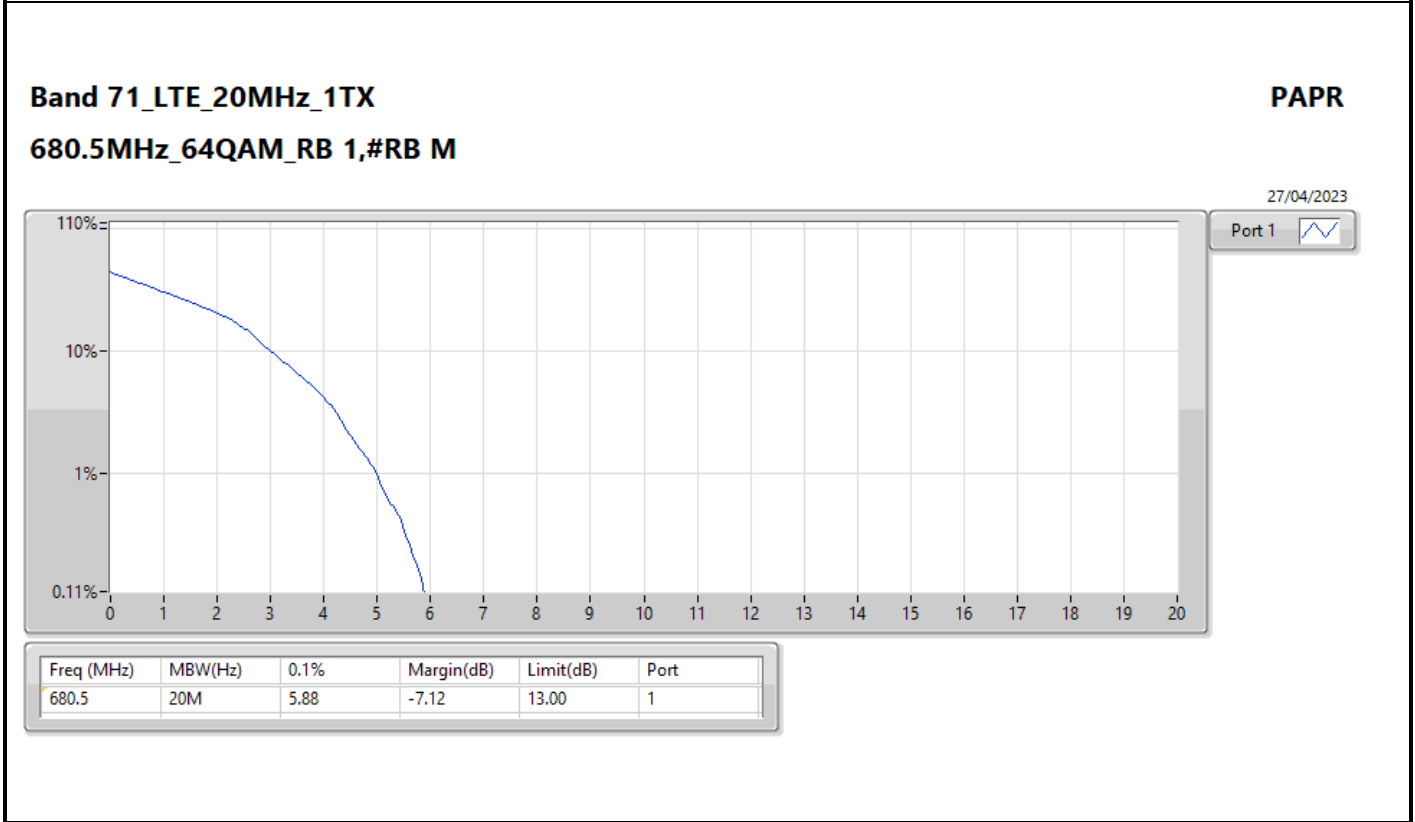
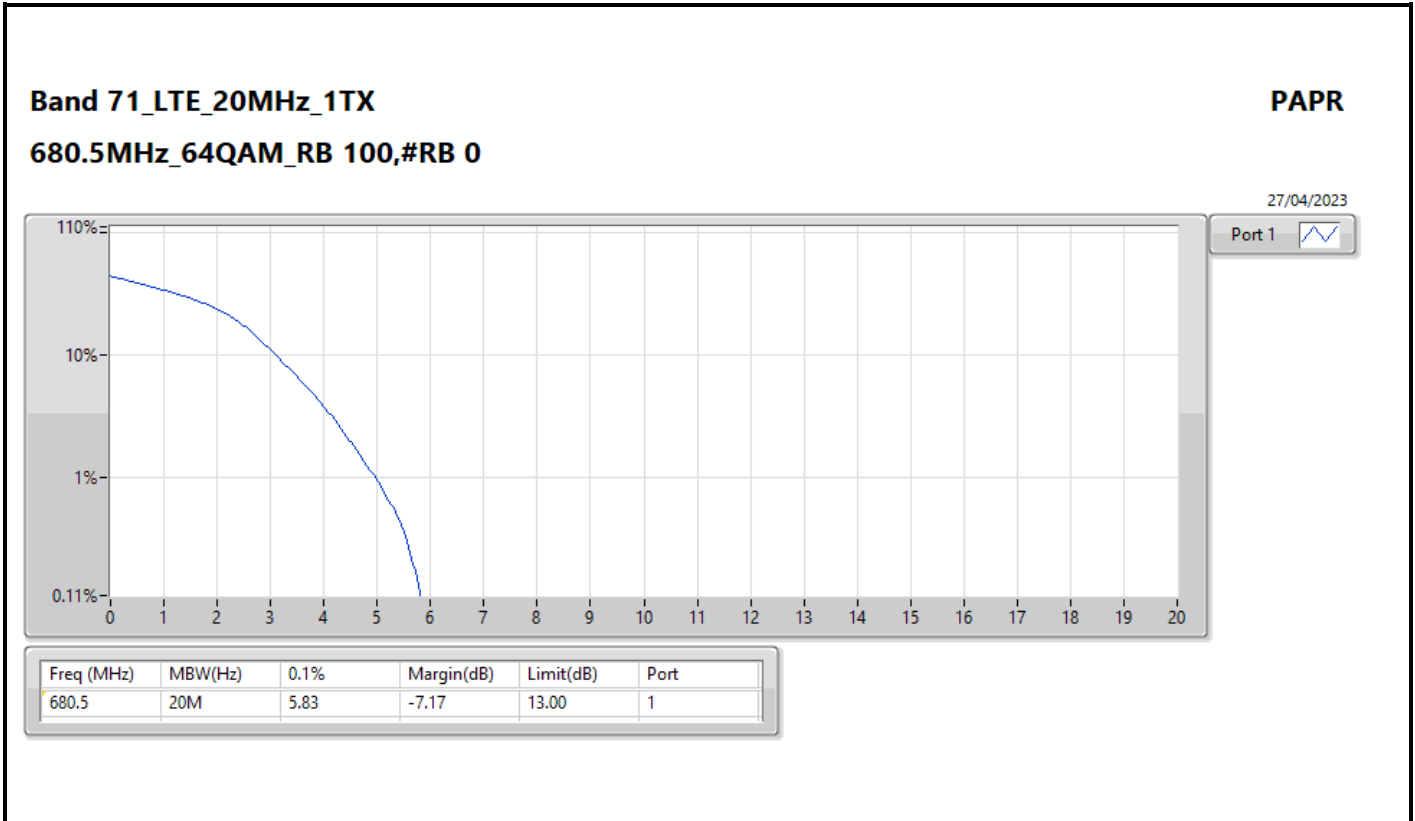
**673MHz\_64QAM\_RB 1,#RB M**

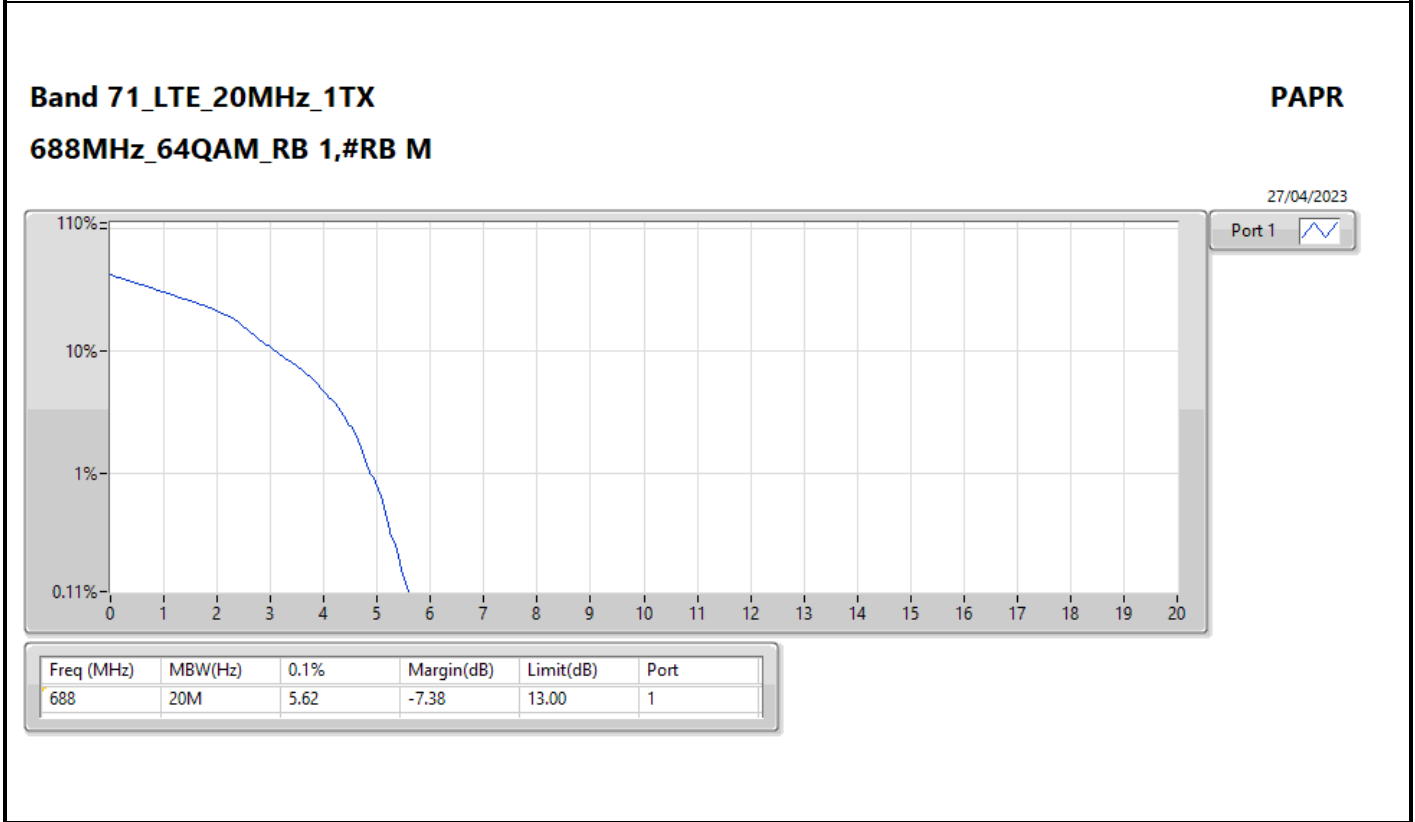
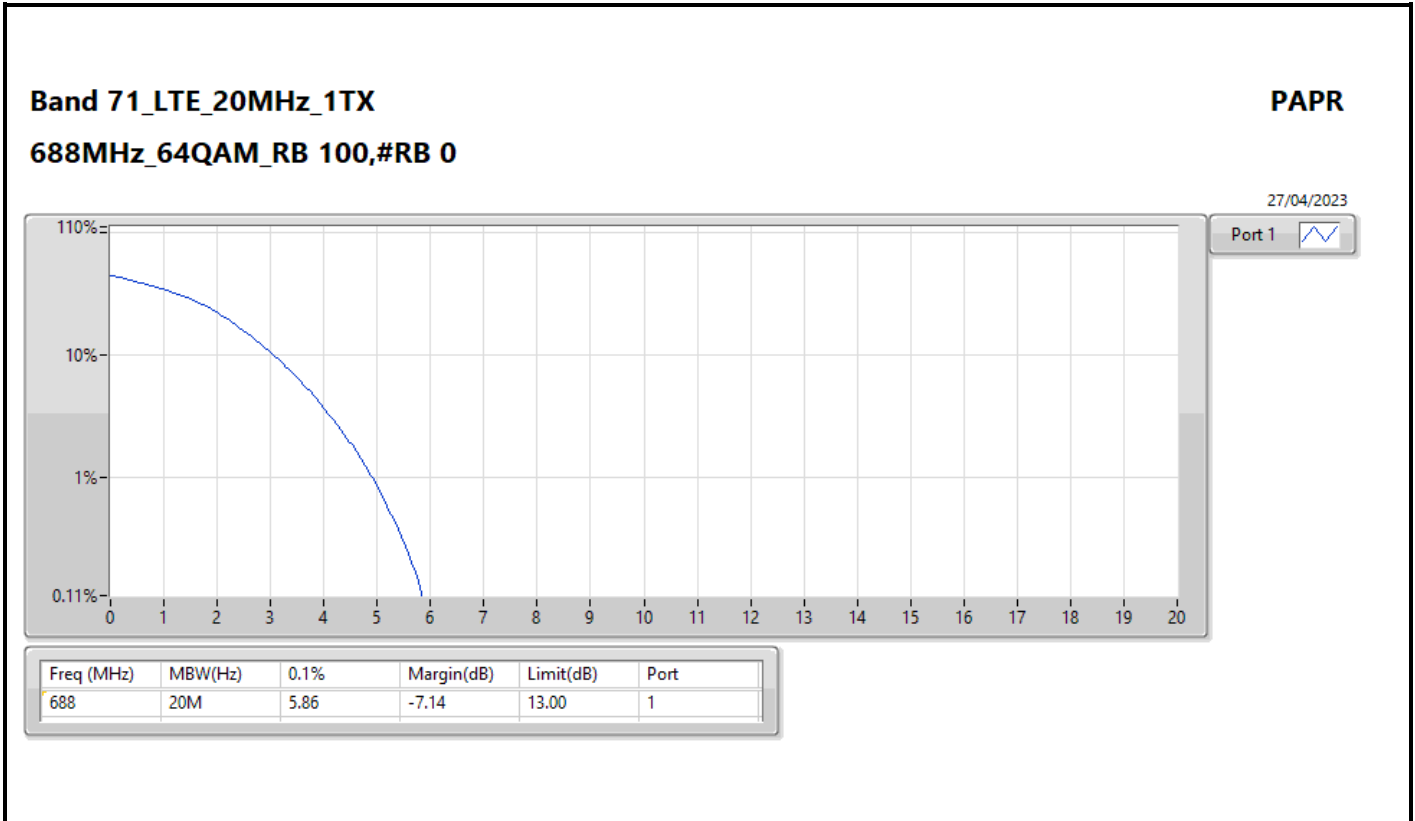
27/04/2023



Port 1 

Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
673	20M	5.68	-7.32	13.00	1







**Summary**

Mode	Max- NdB (Hz)	Max-OBW	ITU-Code	Min- NdB (Hz)	Min- OBW
Band 2	-	-	-	-	-
WCDMA_5MHz_Nss1_1TX	4.956M	4.223M	4M22F9W	4.944M	4.204M

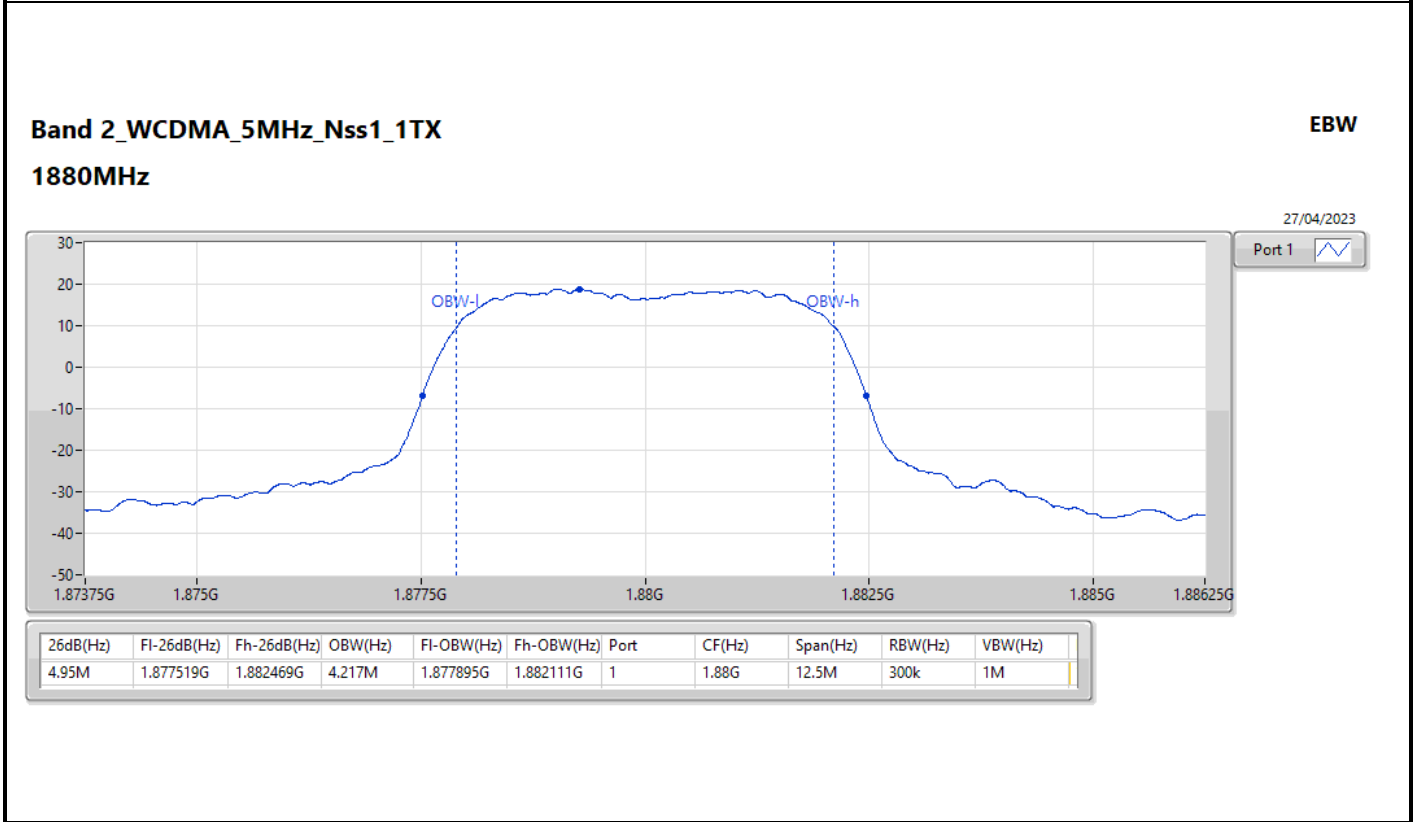
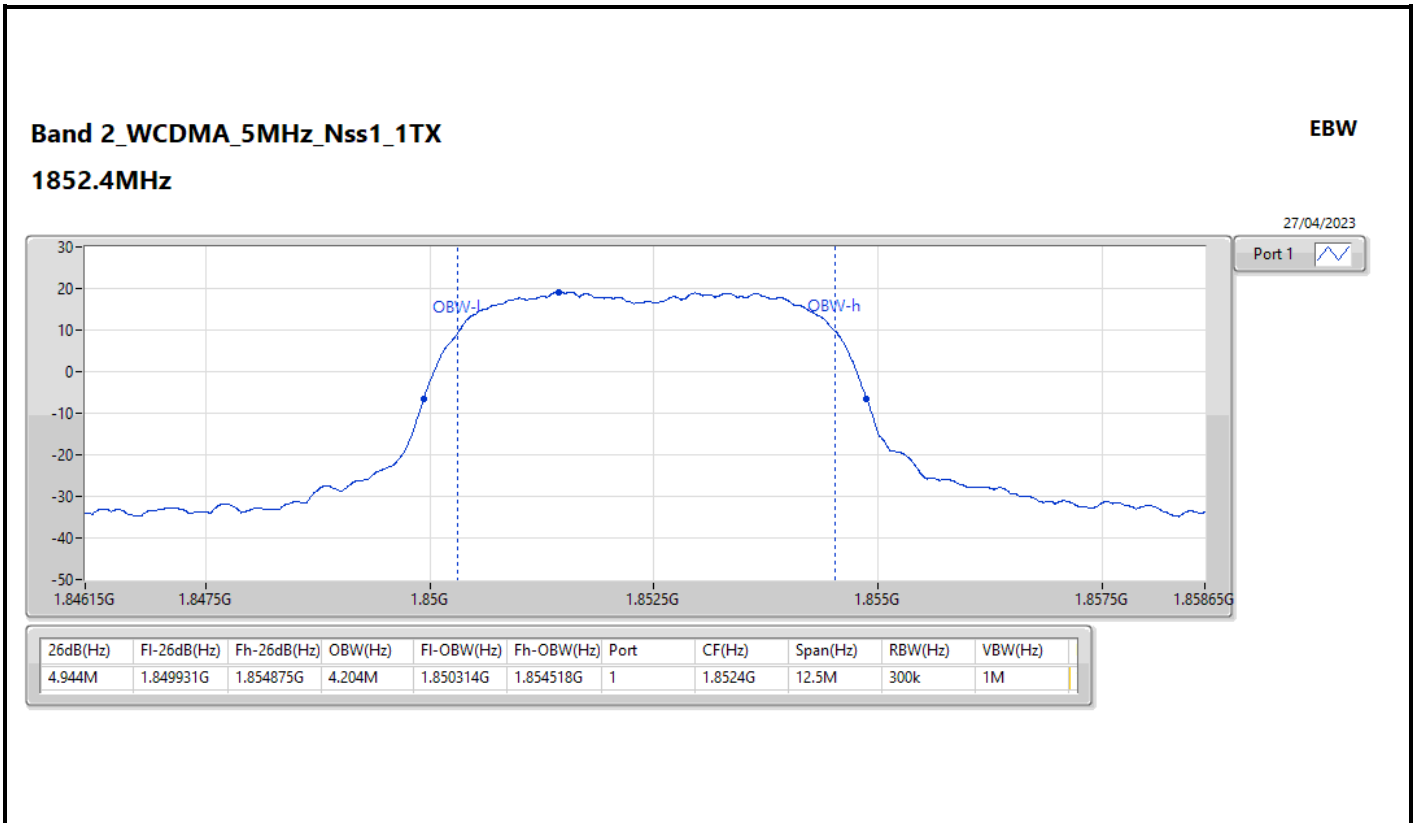
Max-N dB = Maximum 26dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;  
Min-N dB = Minimum 26dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

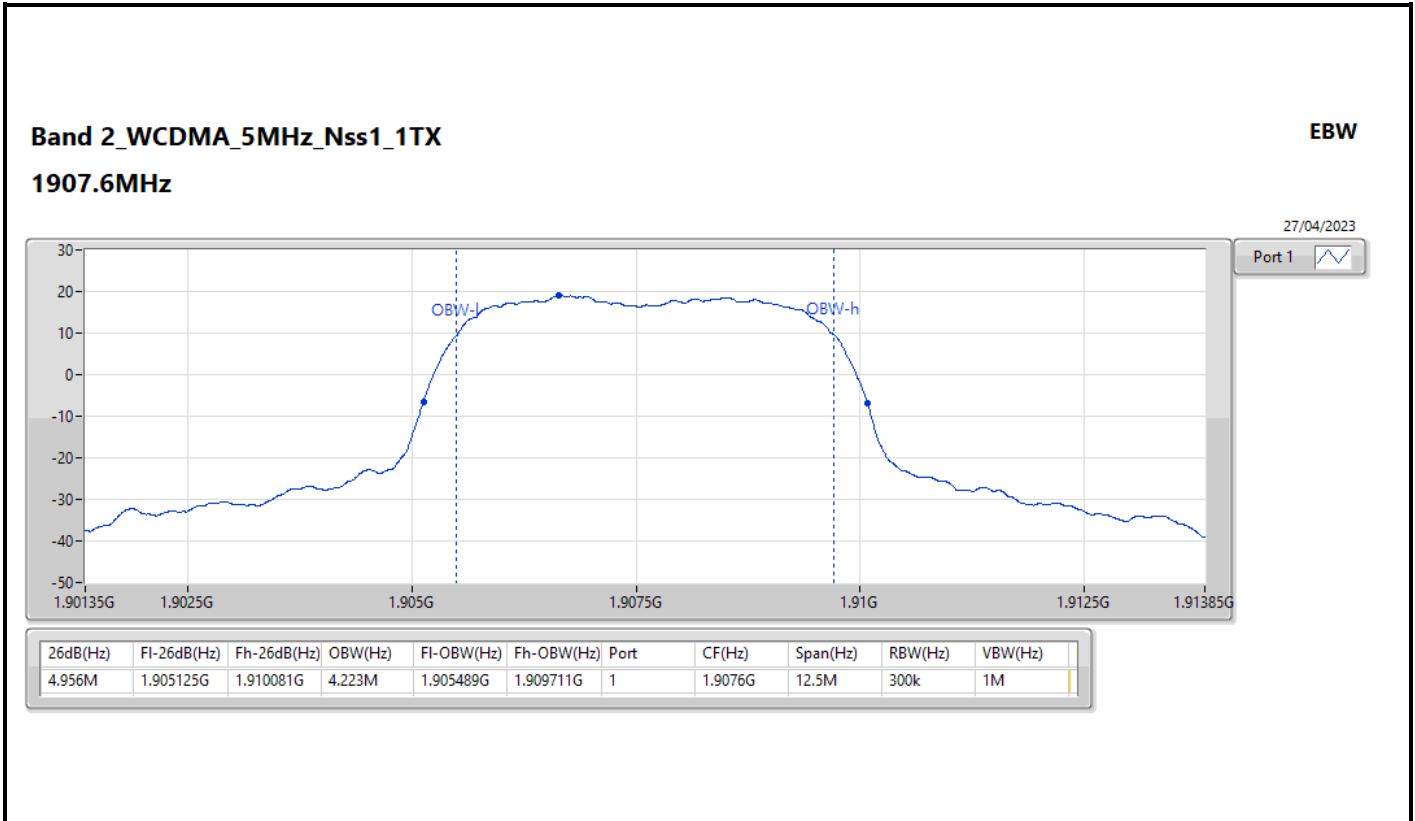


**Result**

Mode	Result	Port 1-NdB (Hz)	Port 1-OBW (Hz)	Limit (Hz)
Band 2_WCDMA_5MHz_Nss1_1TX	-	-	-	-
1852.4MHz	Pass	4.944M	4.204M	Inf
1880MHz	Pass	4.95M	4.217M	Inf
1907.6MHz	Pass	4.956M	4.223M	Inf

Port X-N dB = Port X 26dB down bandwidth;  
Port X-OBW = Port X 99% occupied bandwidth







**Summary**

Mode	Max- NdB (Hz)	Max-OBW	ITU-Code	Min- NdB (Hz)	Min- OBW
Band 4	-	-	-	-	-
WCDMA_5MHz_Nss1_1TX	4.956M	4.223M	4M22F9W	4.944M	4.21M

Max-N dB = Maximum 26dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;  
Min-N dB = Minimum 26dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

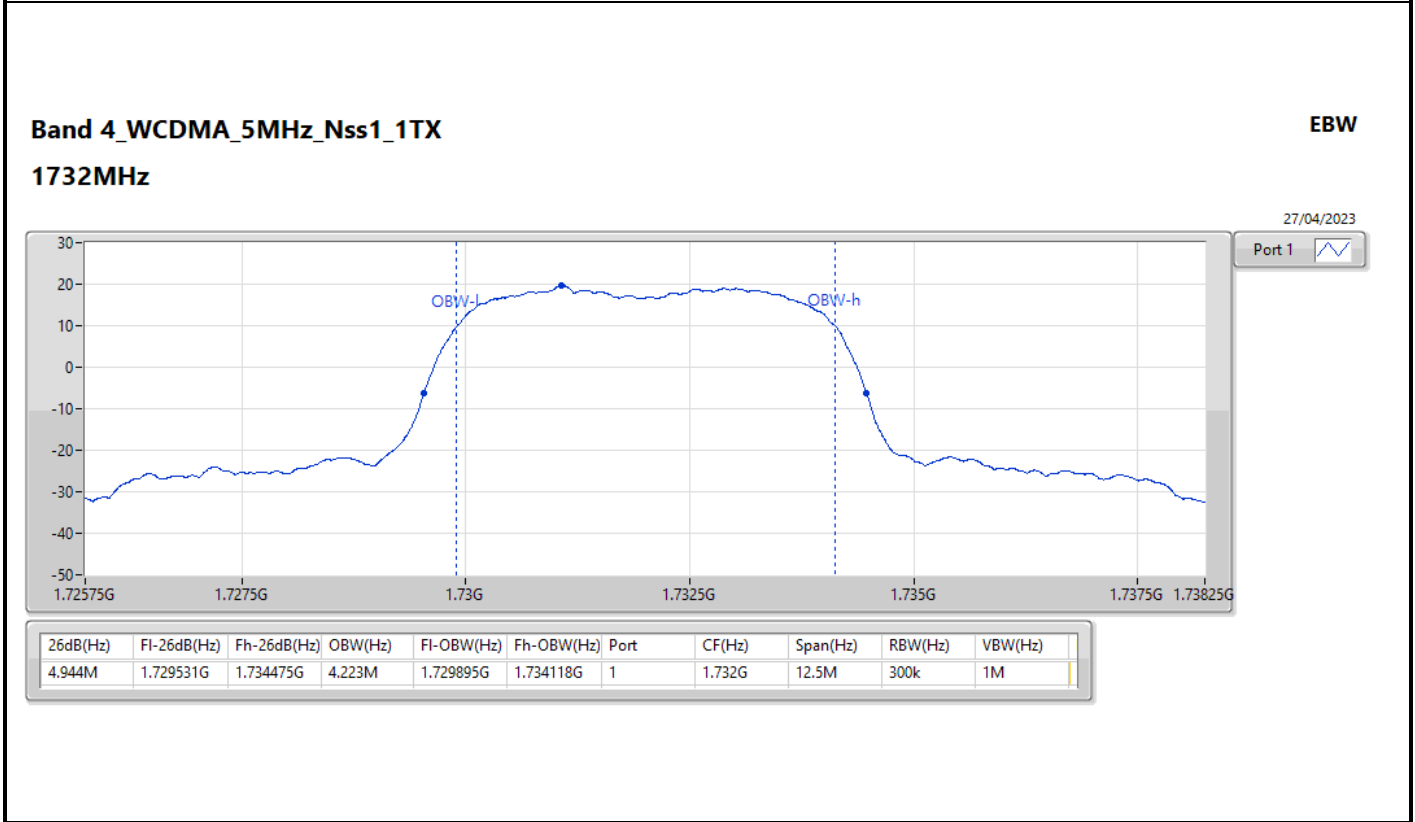
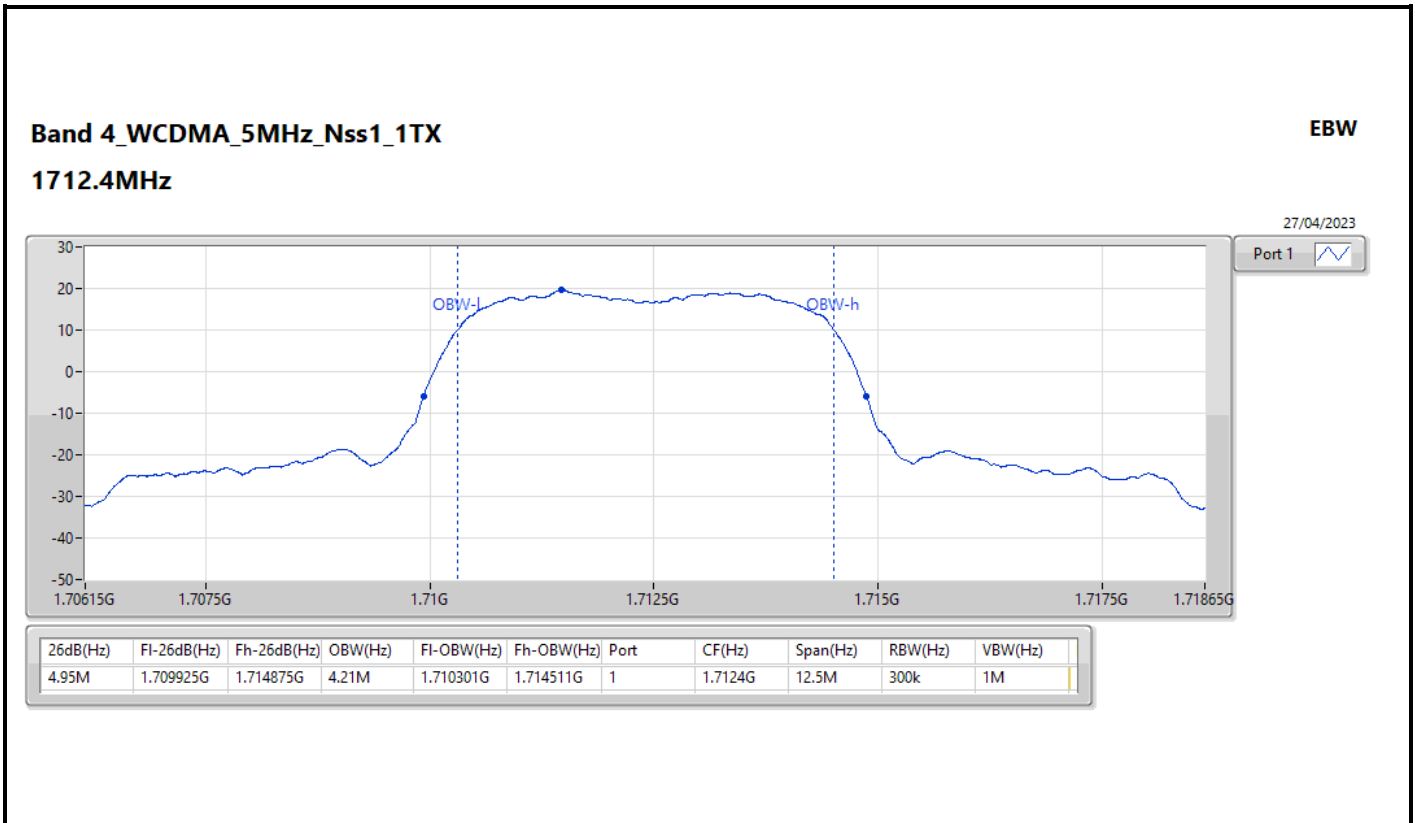


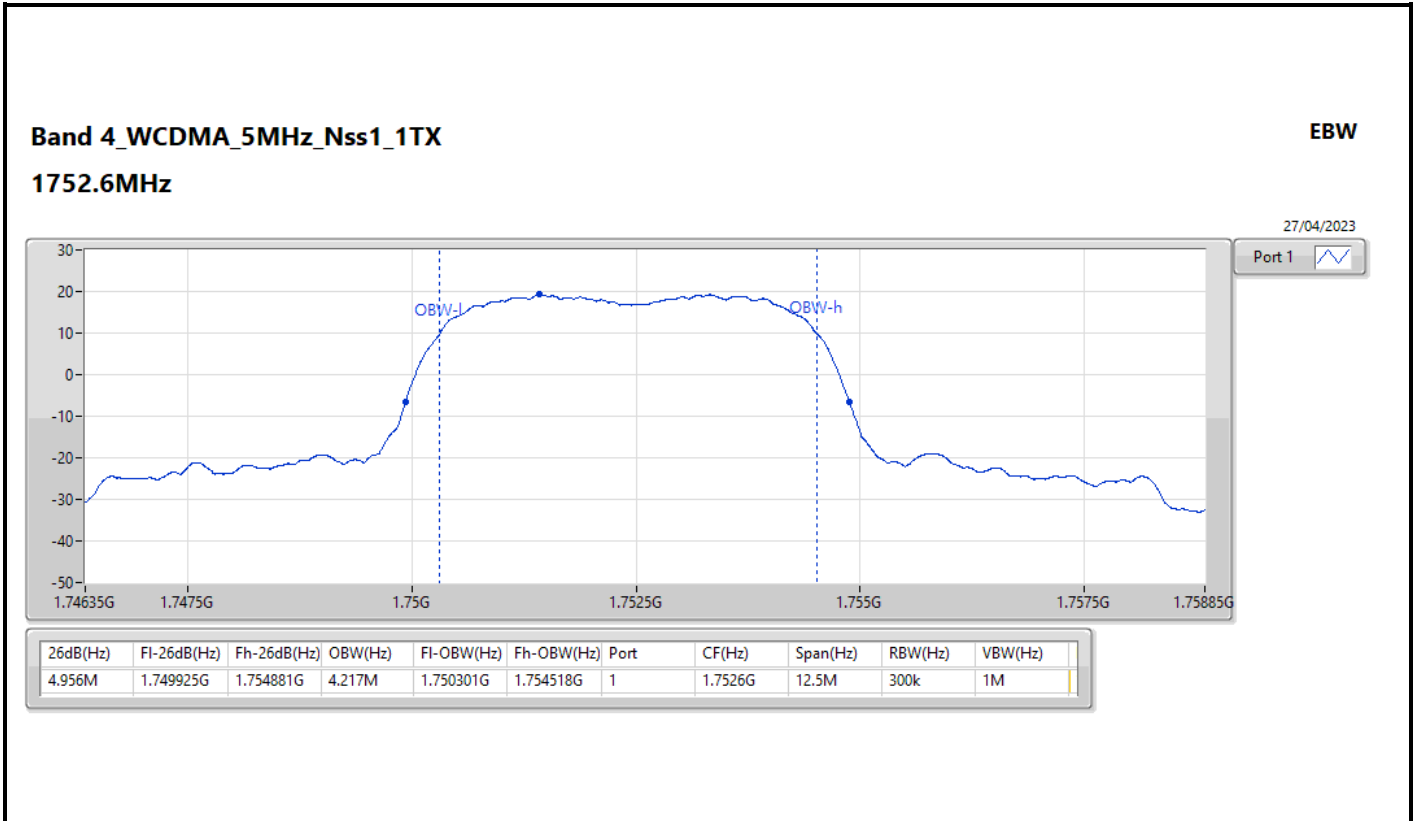


**Result**

Mode	Result	Port 1-NdB (Hz)	Port 1-OBW (Hz)	Limit (Hz)
Band 4_WCDMA_5MHz_Nss1_1TX	-	-	-	-
1712.4MHz	Pass	4.95M	4.21M	Inf
1732MHz	Pass	4.944M	4.223M	Inf
1752.6MHz	Pass	4.956M	4.217M	Inf

Port X-N dB = Port X 26dB down bandwidth;  
Port X-OBW = Port X 99% occupied bandwidth







**Summary**

Mode	Max- NdB (Hz)	Max-OBW	ITU-Code	Min- NdB (Hz)	Min- OBW
Band 5	-	-	-	-	-
WCDMA_5MHz_Nss1_1TX	4.975M	4.235M	4M24F9W	4.95M	4.229M

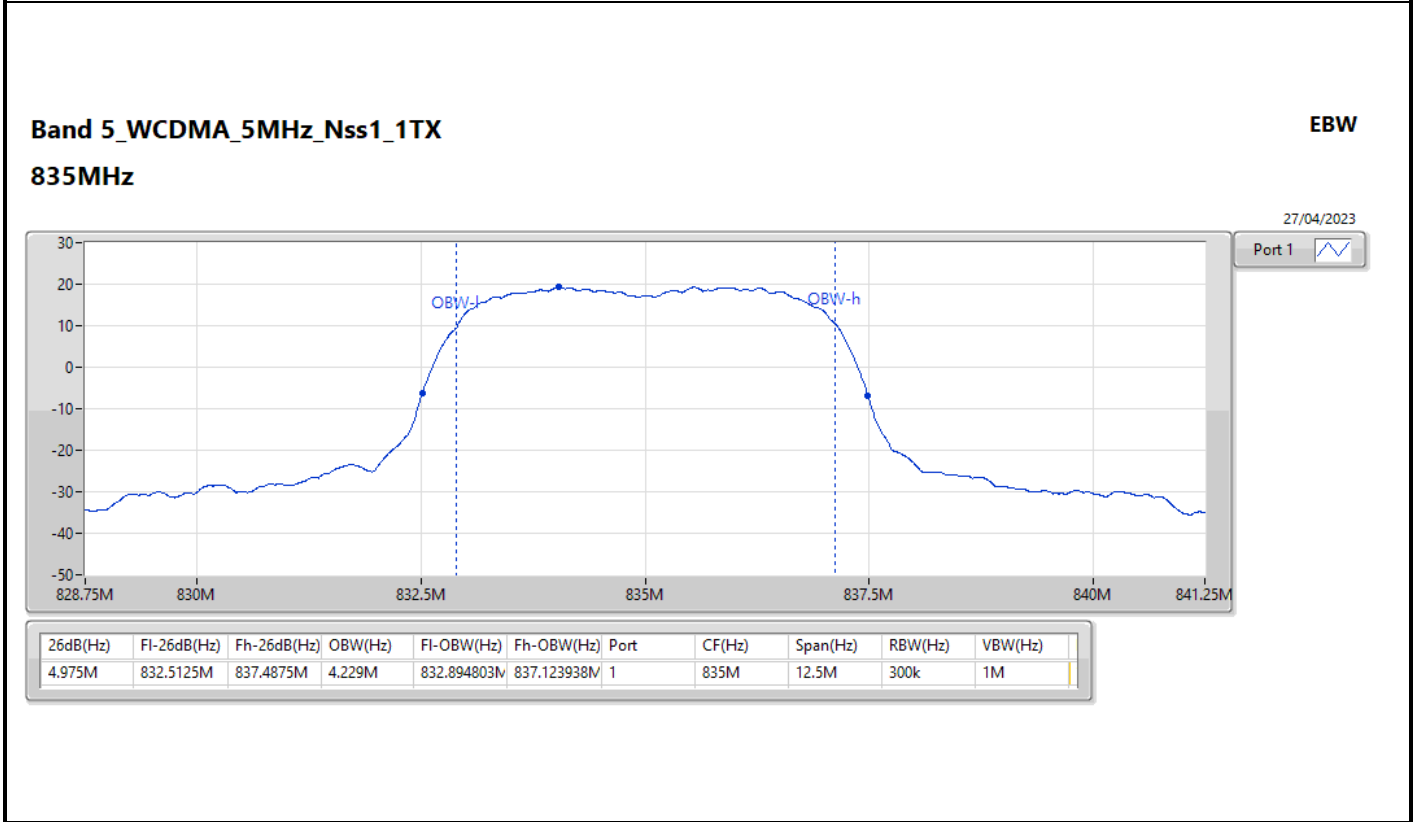
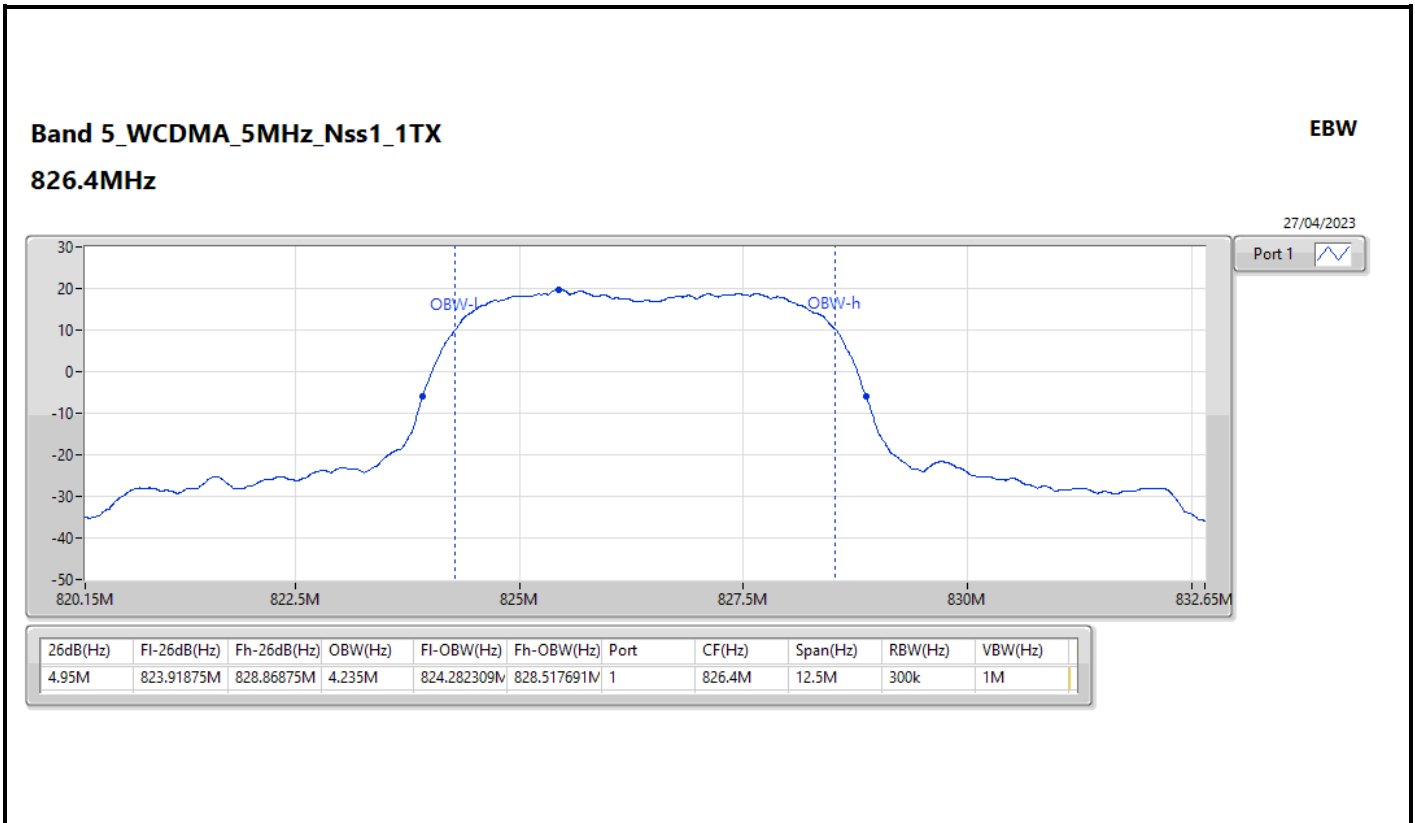
Max-N dB = Maximum 26dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;  
Min-N dB = Minimum 26dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

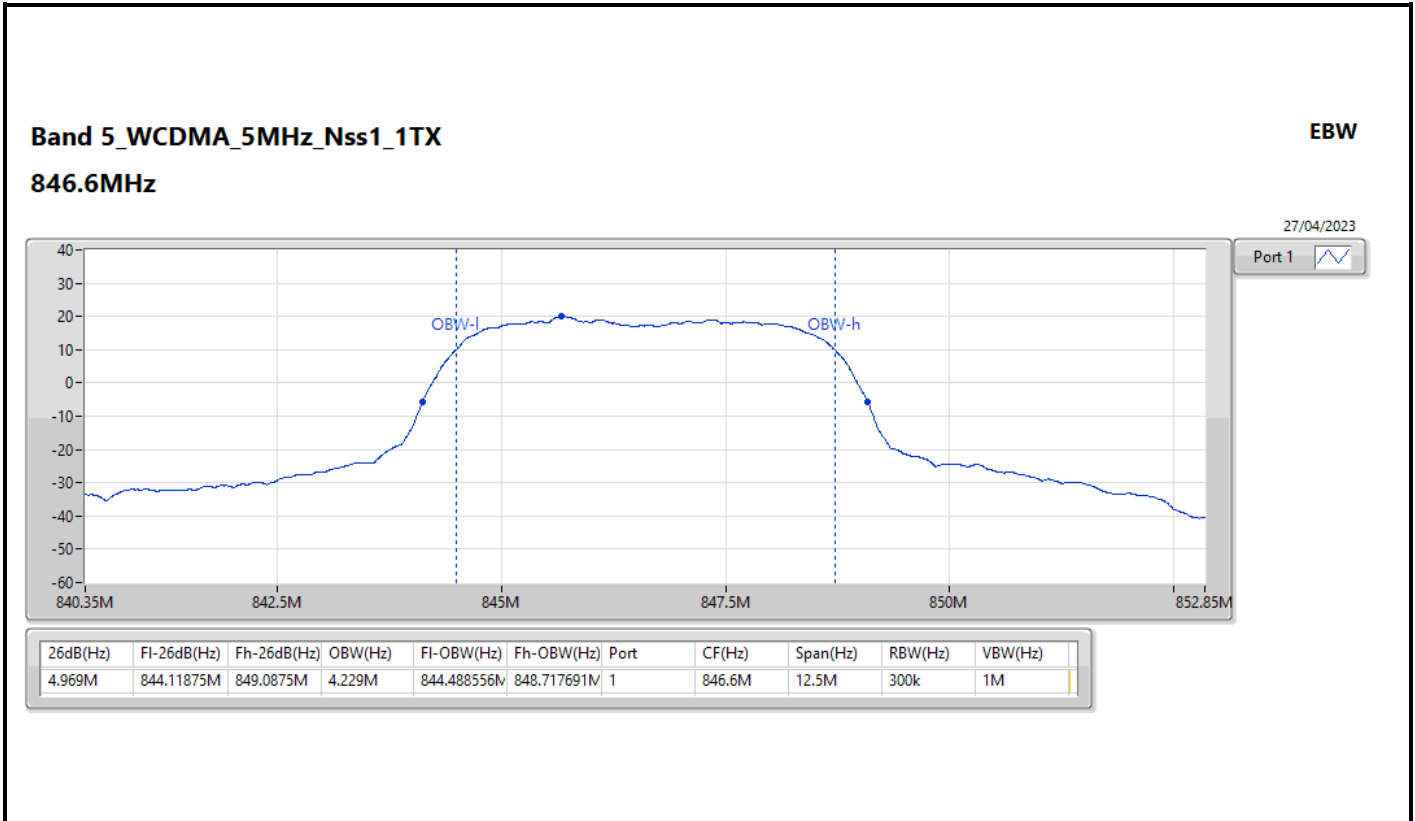


**Result**

Mode	Result	Port 1-NdB (Hz)	Port 1-OBW (Hz)	Limit (Hz)
Band 5_WCDMA_5MHz_Nss1_1TX	-	-	-	-
826.4MHz	Pass	4.95M	4.235M	Inf
835MHz	Pass	4.975M	4.229M	Inf
846.6MHz	Pass	4.969M	4.229M	Inf

Port X-N dB = Port X 26dB down bandwidth;  
Port X-OBW = Port X 99% occupied bandwidth







**Summary**

Mode	Max- NdB (Hz)	Max-OBW	ITU-Code	Min- NdB (Hz)	Min- OBW
Band 2	-	-	-	-	-
LTE_1.4MHz_QPSK_1TX	1.194M	1.074M	1M07G7D	1.194M	1.074M
LTE_1.4MHz_16QAM_1TX	1.195M	1.072M	1M07W7D	1.19M	1.072M
LTE_1.4MHz_64QAM_1TX	1.194M	1.072M	1M07W7D	1.192M	1.072M
LTE_3MHz_QPSK_1TX	3.446M	2.942M	2M94G7D	3.428M	2.931M
LTE_3MHz_16QAM_1TX	3.439M	2.927M	2M93W7D	3.409M	2.909M
LTE_3MHz_64QAM_1TX	3.413M	2.931M	2M93W7D	3.394M	2.92M
LTE_5MHz_QPSK_1TX	5.313M	4.679M	4M68G7D	5.288M	4.648M
LTE_5MHz_16QAM_1TX	5.275M	4.648M	4M65W7D	5.269M	4.641M
LTE_5MHz_64QAM_1TX	5.269M	4.641M	4M64W7D	5.256M	4.635M
LTE_10MHz_QPSK_1TX	10M	9.095M	9M10G7D	9.95M	9.058M
LTE_10MHz_16QAM_1TX	9.963M	9.02M	9M02W7D	9.9M	8.996M
LTE_10MHz_64QAM_1TX	9.975M	9.045M	9M05W7D	9.913M	9.02M
LTE_15MHz_QPSK_1TX	14.681M	13.493M	13M5G7D	14.588M	13.418M
LTE_15MHz_16QAM_1TX	14.7M	13.437M	13M4W7D	14.625M	13.437M
LTE_15MHz_64QAM_1TX	14.719M	13.475M	13M5W7D	14.588M	13.437M
LTE_20MHz_QPSK_1TX	19.325M	17.891M	17M9G7D	19.175M	17.891M
LTE_20MHz_16QAM_1TX	19.3M	17.891M	17M9W7D	19.275M	17.841M
LTE_20MHz_64QAM_1TX	19.3M	17.891M	17M9W7D	19.225M	17.866M

Max-N dB = Maximum 26dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;  
 Min-N dB = Minimum 26dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



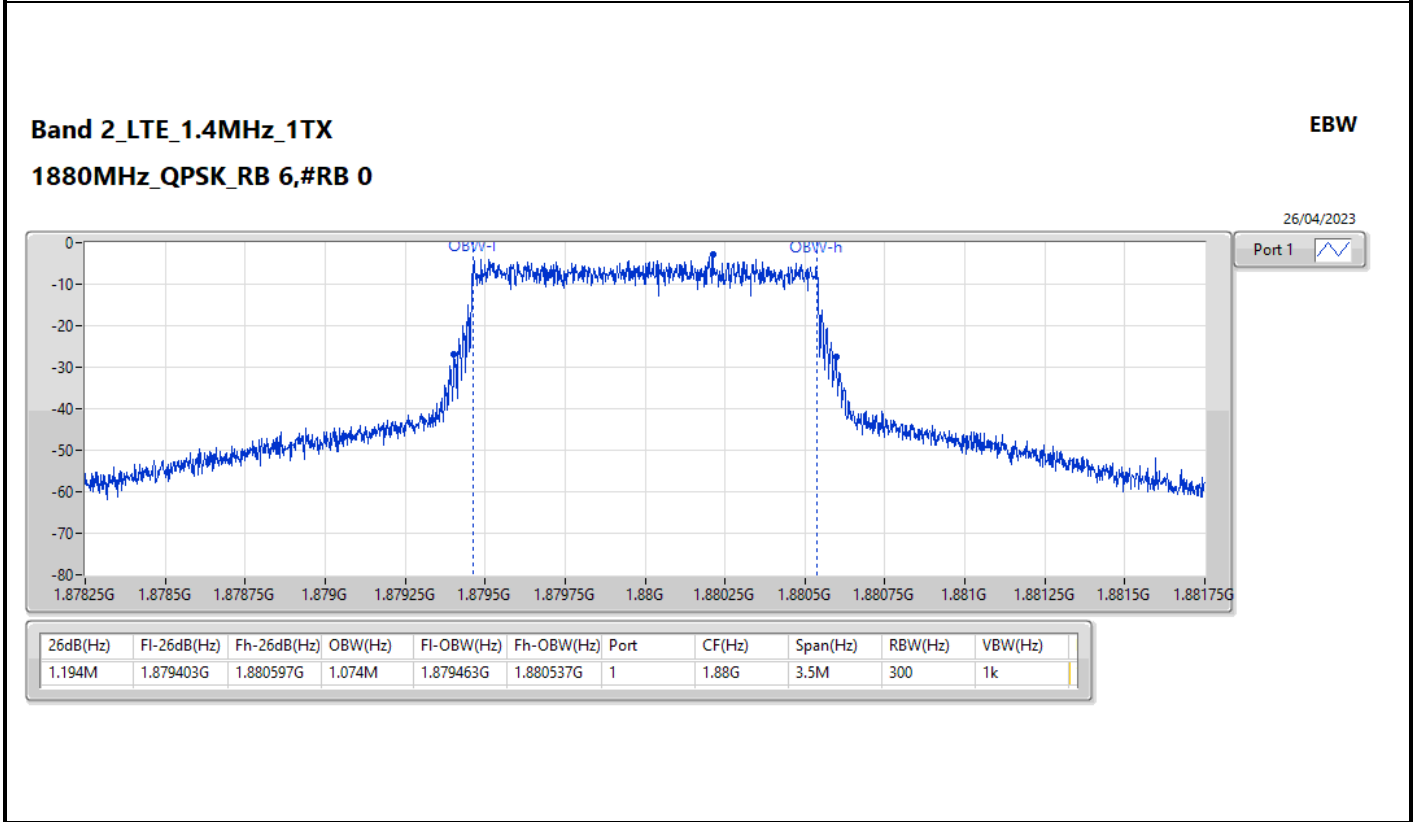
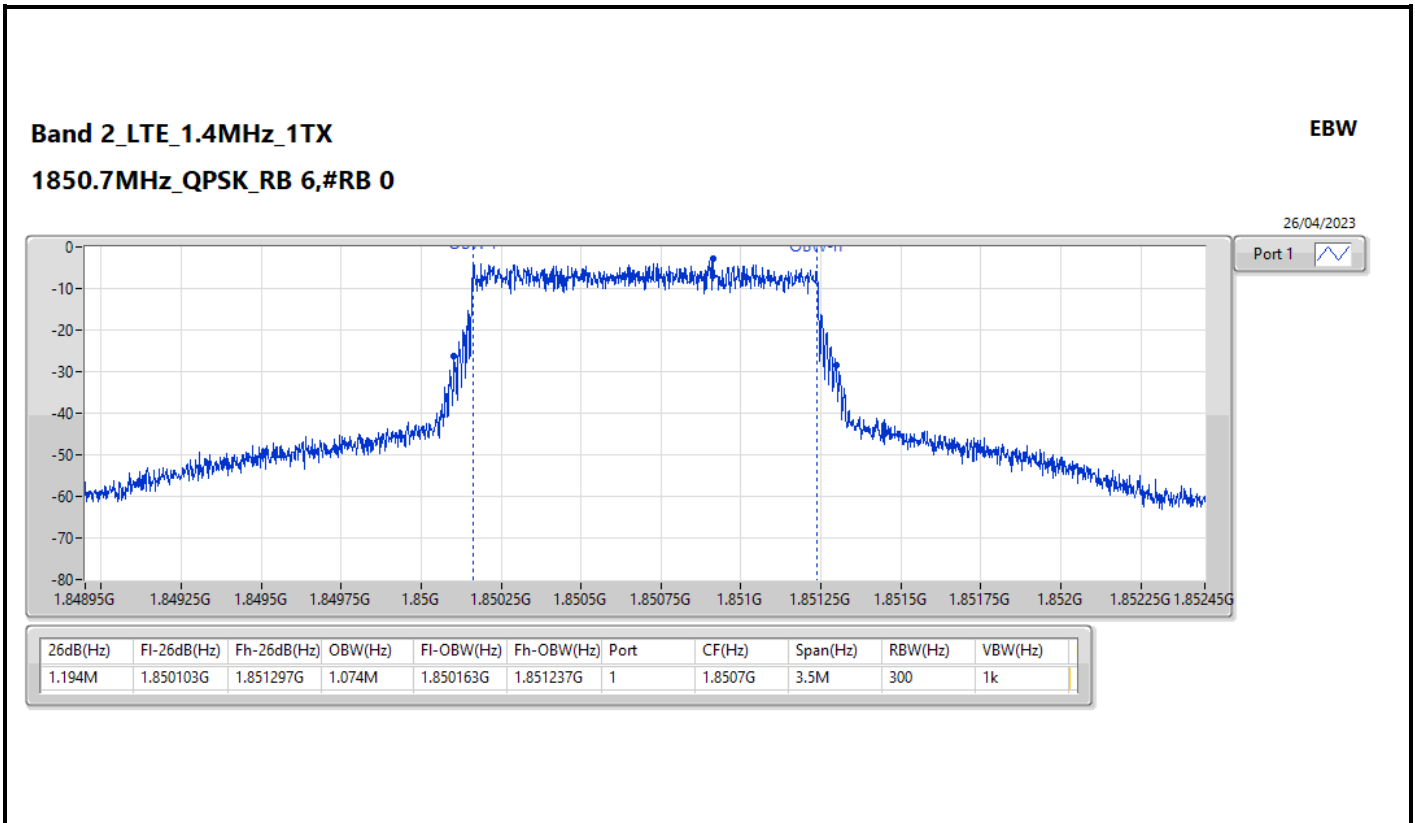
**Result**

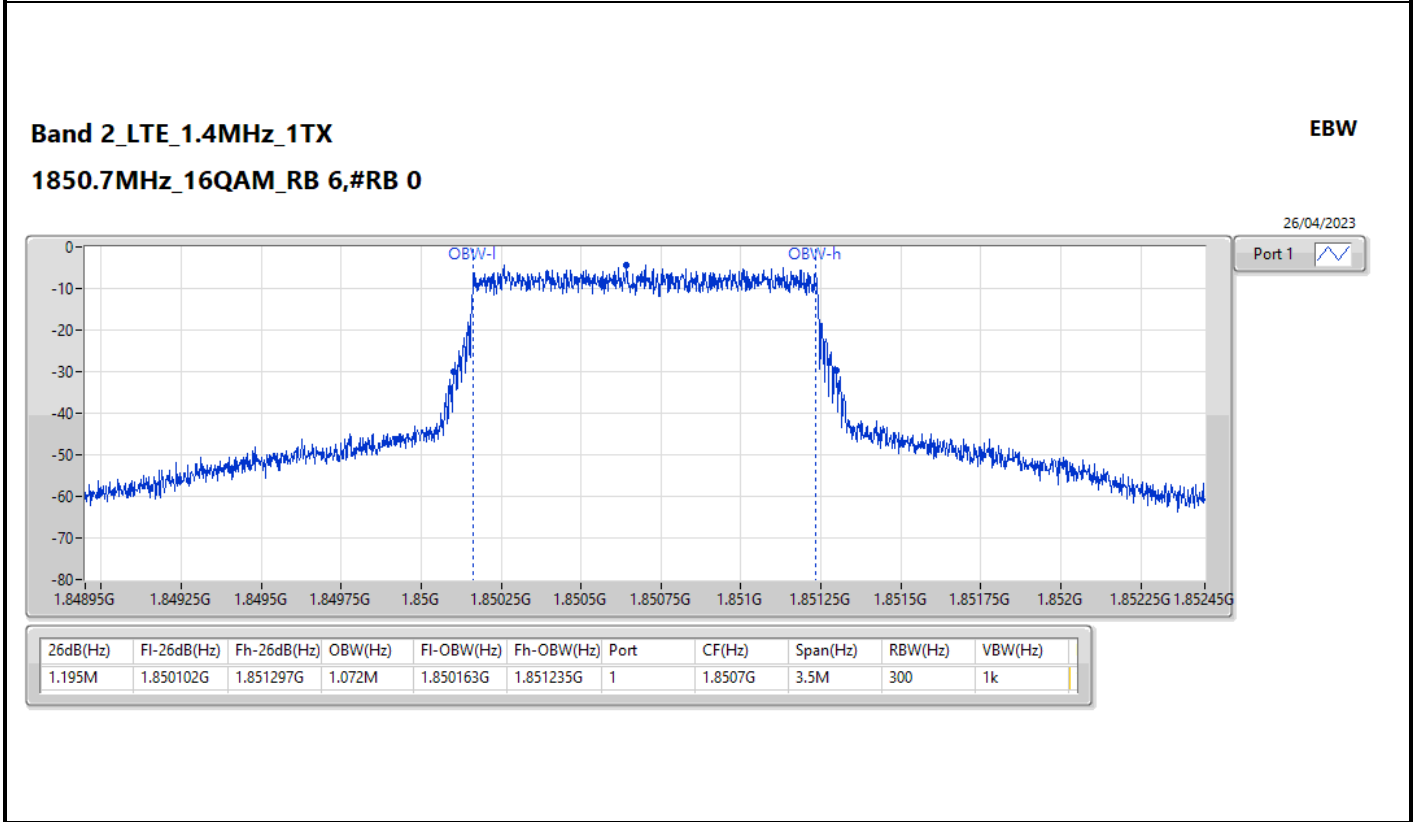
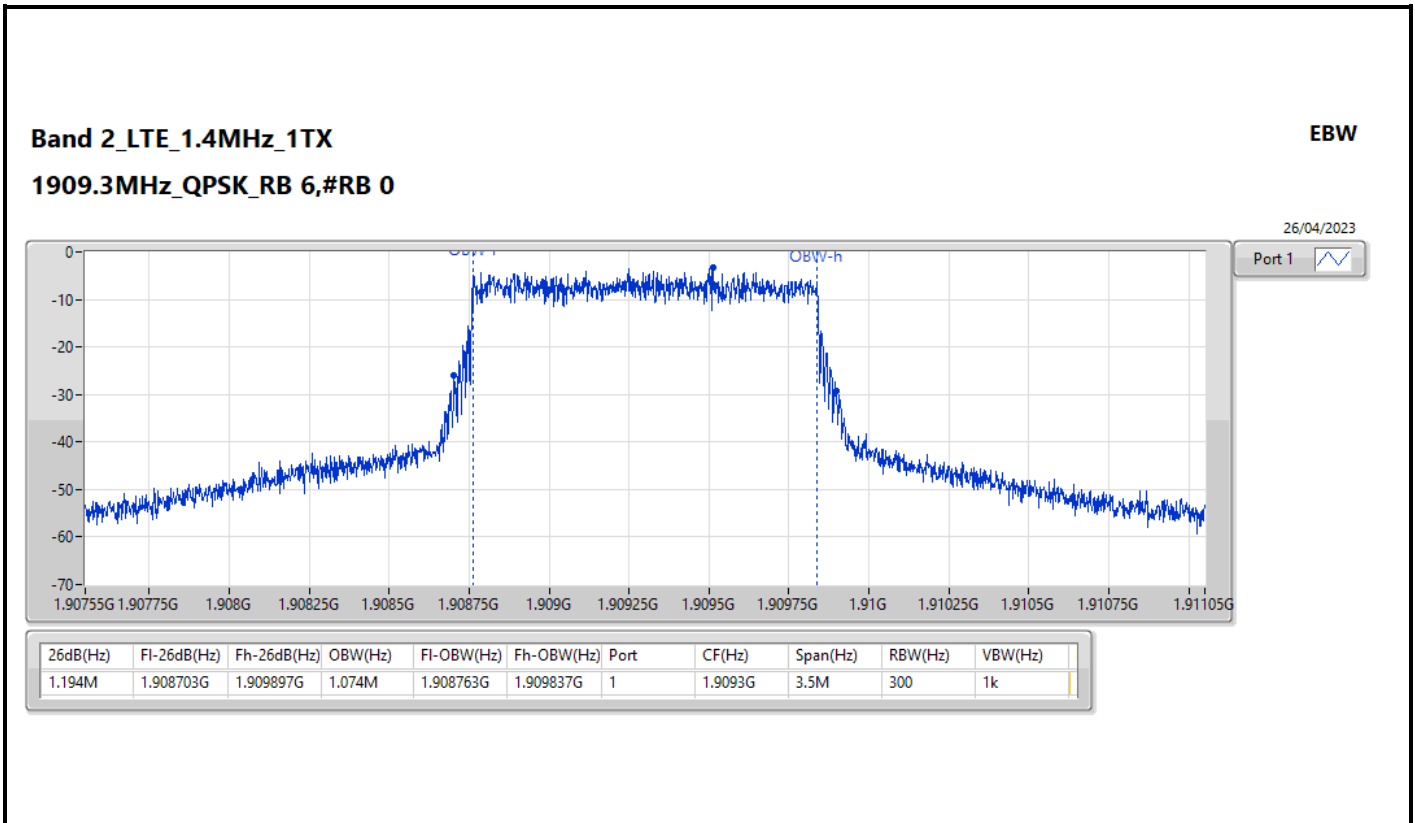
Mode	Result	Port 1-NdB (Hz)	Port 1-OBW (Hz)	Limit (Hz)
Band 2_LTE_1.4MHz_QPSK_1TX	-	-	-	-
1850.7MHz_RB 6,#RB 0	Pass	1.194M	1.074M	Inf
1880MHz_RB 6,#RB 0	Pass	1.194M	1.074M	Inf
1909.3MHz_RB 6,#RB 0	Pass	1.194M	1.074M	Inf
Band 2_LTE_1.4MHz_16QAM_1TX	-	-	-	-
1850.7MHz_RB 6,#RB 0	Pass	1.195M	1.072M	Inf
1880MHz_RB 6,#RB 0	Pass	1.19M	1.072M	Inf
1909.3MHz_RB 6,#RB 0	Pass	1.195M	1.072M	Inf
Band 2_LTE_1.4MHz_64QAM_1TX	-	-	-	-
1850.7MHz_RB 6,#RB 0	Pass	1.192M	1.072M	Inf
1880MHz_RB 6,#RB 0	Pass	1.194M	1.072M	Inf
1909.3MHz_RB 6,#RB 0	Pass	1.192M	1.072M	Inf
Band 2_LTE_3MHz_QPSK_1TX	-	-	-	-
1851.5MHz_RB 15,#RB 0	Pass	3.446M	2.931M	Inf
1880MHz_RB 15,#RB 0	Pass	3.428M	2.935M	Inf
1908.5MHz_RB 15,#RB 0	Pass	3.446M	2.942M	Inf
Band 2_LTE_3MHz_16QAM_1TX	-	-	-	-
1851.5MHz_RB 15,#RB 0	Pass	3.409M	2.909M	Inf
1880MHz_RB 15,#RB 0	Pass	3.42M	2.924M	Inf
1908.5MHz_RB 15,#RB 0	Pass	3.439M	2.927M	Inf
Band 2_LTE_3MHz_64QAM_1TX	-	-	-	-
1851.5MHz_RB 15,#RB 0	Pass	3.413M	2.931M	Inf
1880MHz_RB 15,#RB 0	Pass	3.394M	2.931M	Inf
1908.5MHz_RB 15,#RB 0	Pass	3.405M	2.92M	Inf
Band 2_LTE_5MHz_QPSK_1TX	-	-	-	-
1852.5MHz_RB 25,#RB 0	Pass	5.288M	4.648M	Inf
1880MHz_RB 25,#RB 0	Pass	5.313M	4.679M	Inf
1907.5MHz_RB 25,#RB 0	Pass	5.3M	4.673M	Inf
Band 2_LTE_5MHz_16QAM_1TX	-	-	-	-
1852.5MHz_RB 25,#RB 0	Pass	5.269M	4.648M	Inf
1880MHz_RB 25,#RB 0	Pass	5.275M	4.641M	Inf
1907.5MHz_RB 25,#RB 0	Pass	5.275M	4.641M	Inf
Band 2_LTE_5MHz_64QAM_1TX	-	-	-	-
1852.5MHz_RB 25,#RB 0	Pass	5.269M	4.641M	Inf
1880MHz_RB 25,#RB 0	Pass	5.256M	4.635M	Inf
1907.5MHz_RB 25,#RB 0	Pass	5.256M	4.635M	Inf
Band 2_LTE_10MHz_QPSK_1TX	-	-	-	-
1855MHz_RB 50,#RB 0	Pass	10M	9.095M	Inf
1880MHz_RB 50,#RB 0	Pass	9.95M	9.058M	Inf
1905MHz_RB 50,#RB 0	Pass	9.975M	9.095M	Inf
Band 2_LTE_10MHz_16QAM_1TX	-	-	-	-
1855MHz_RB 50,#RB 0	Pass	9.963M	9.008M	Inf
1880MHz_RB 50,#RB 0	Pass	9.925M	9.02M	Inf
1905MHz_RB 50,#RB 0	Pass	9.9M	8.996M	Inf
Band 2_LTE_10MHz_64QAM_1TX	-	-	-	-
1855MHz_RB 50,#RB 0	Pass	9.975M	9.02M	Inf
1880MHz_RB 50,#RB 0	Pass	9.963M	9.045M	Inf
1905MHz_RB 50,#RB 0	Pass	9.913M	9.033M	Inf
Band 2_LTE_15MHz_QPSK_1TX	-	-	-	-
1857.5MHz_RB 75,#RB 0	Pass	14.606M	13.475M	Inf
1880MHz_RB 75,#RB 0	Pass	14.681M	13.493M	Inf
1902.5MHz_RB 75,#RB 0	Pass	14.588M	13.418M	Inf
Band 2_LTE_15MHz_16QAM_1TX	-	-	-	-
1857.5MHz_RB 75,#RB 0	Pass	14.7M	13.437M	Inf
1880MHz_RB 75,#RB 0	Pass	14.663M	13.437M	Inf
1902.5MHz_RB 75,#RB 0	Pass	14.625M	13.437M	Inf
Band 2_LTE_15MHz_64QAM_1TX	-	-	-	-
1857.5MHz_RB 75,#RB 0	Pass	14.719M	13.456M	Inf
1880MHz_RB 75,#RB 0	Pass	14.663M	13.475M	Inf
1902.5MHz_RB 75,#RB 0	Pass	14.588M	13.437M	Inf
Band 2_LTE_20MHz_QPSK_1TX	-	-	-	-

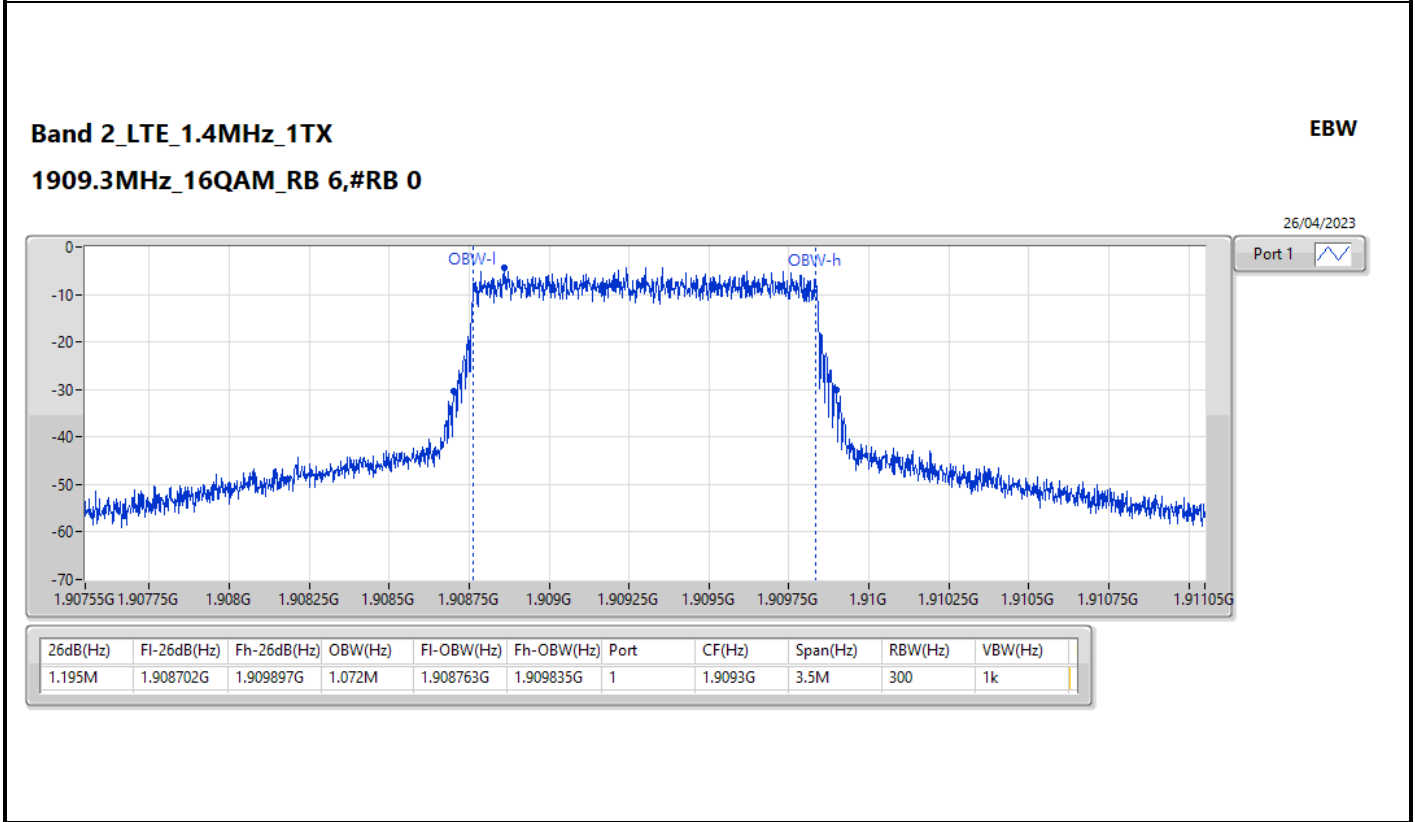
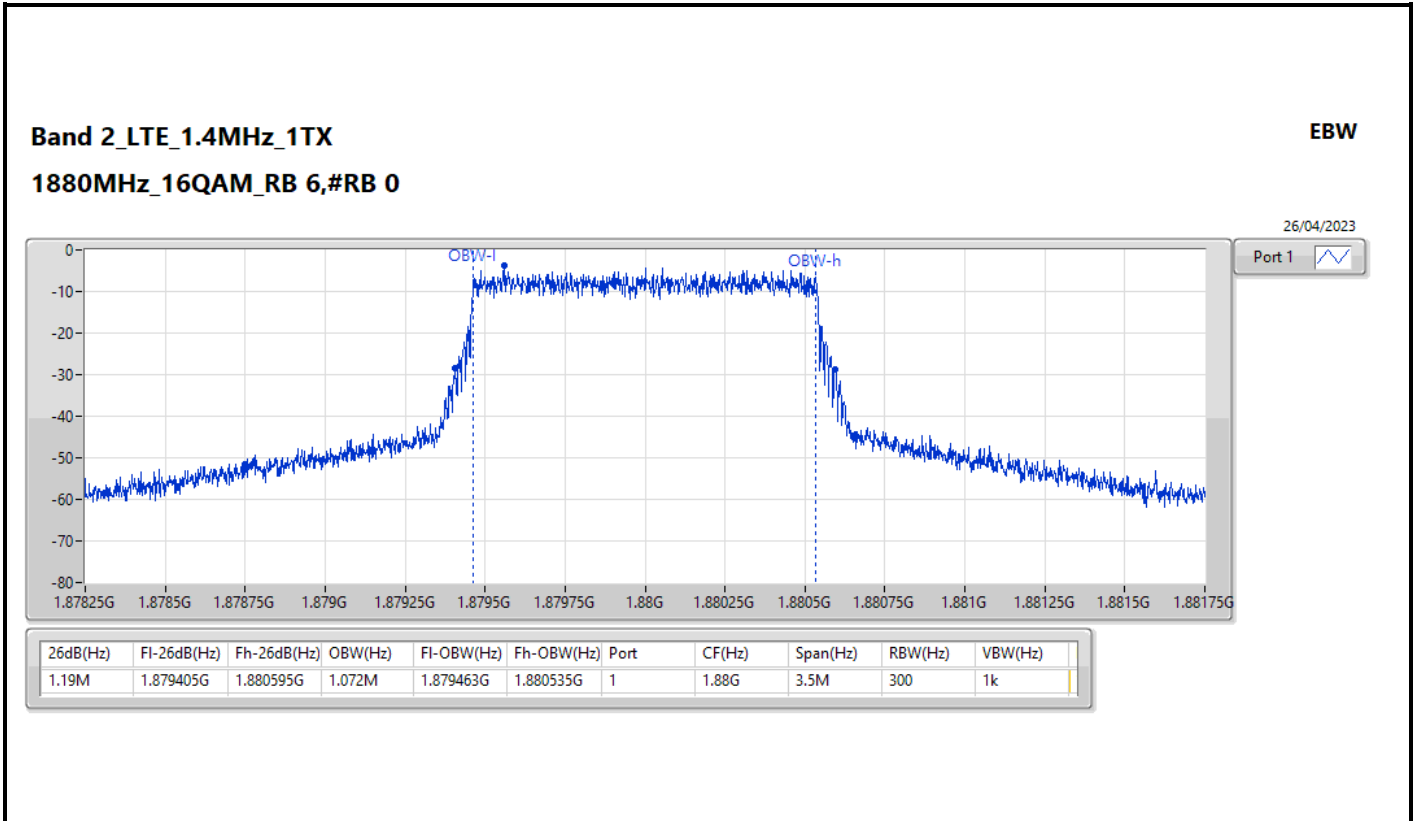


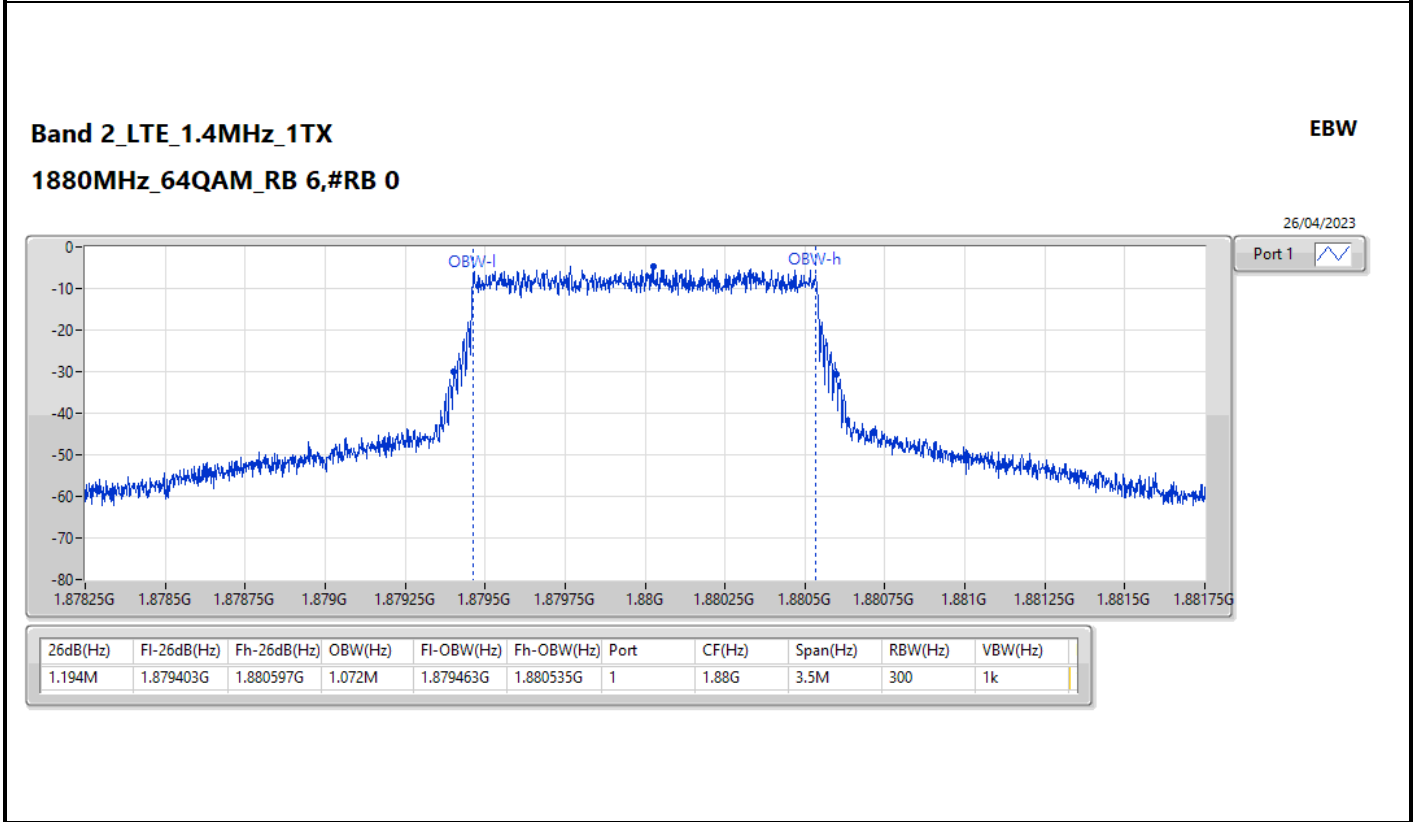
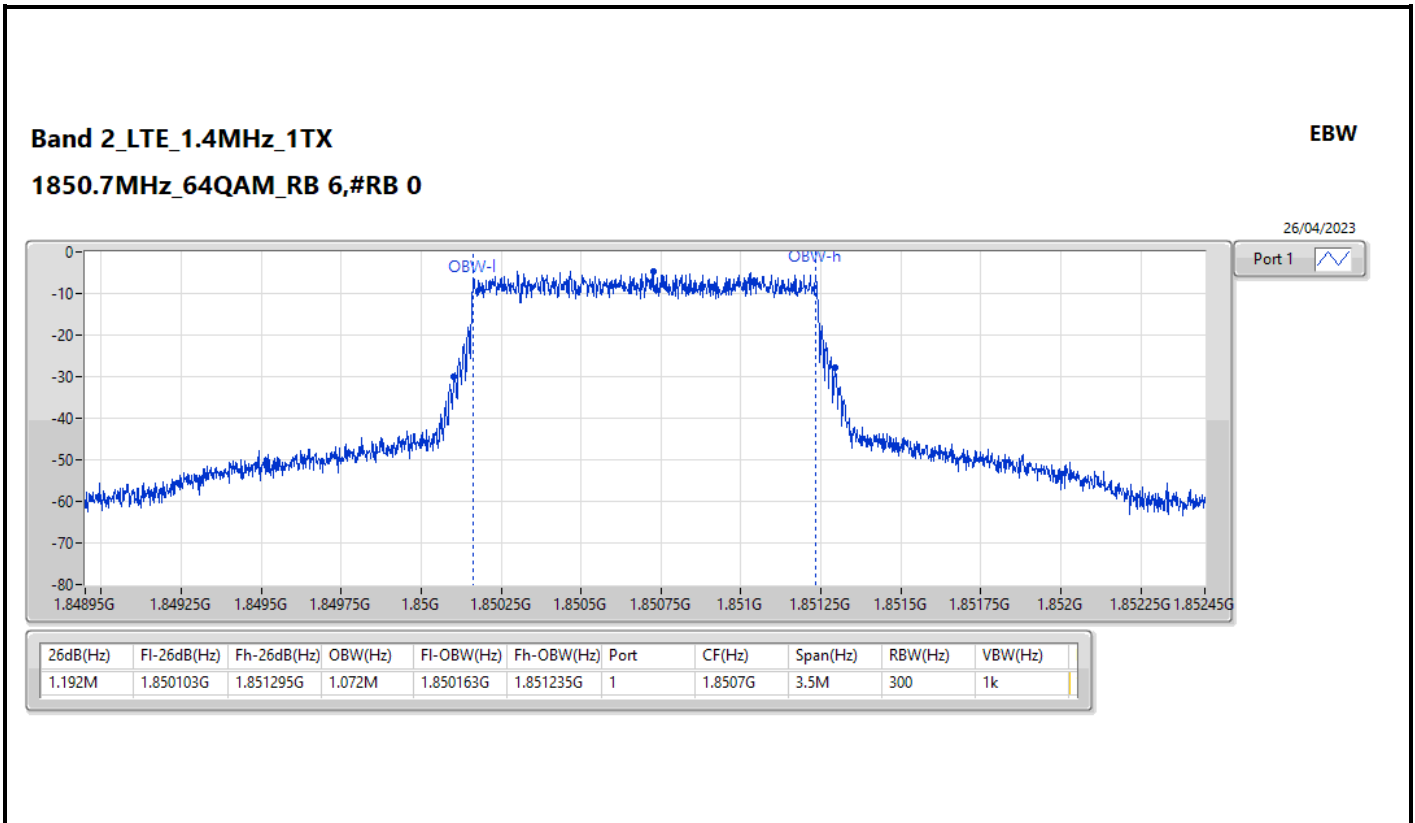
Mode	Result	Port 1-NdB (Hz)	Port 1-OBW (Hz)	Limit (Hz)
1860MHz_RB 100,#RB 0	Pass	19.175M	17.891M	Inf
1880MHz_RB 100,#RB 0	Pass	19.325M	17.891M	Inf
1900MHz_RB 100,#RB 0	Pass	19.275M	17.891M	Inf
Band 2_LTE_20MHz_16QAM_1TX	-	-	-	-
1860MHz_RB 100,#RB 0	Pass	19.275M	17.891M	Inf
1880MHz_RB 100,#RB 0	Pass	19.3M	17.891M	Inf
1900MHz_RB 100,#RB 0	Pass	19.3M	17.841M	Inf
Band 2_LTE_20MHz_64QAM_1TX	-	-	-	-
1860MHz_RB 100,#RB 0	Pass	19.225M	17.866M	Inf
1880MHz_RB 100,#RB 0	Pass	19.3M	17.891M	Inf
1900MHz_RB 100,#RB 0	Pass	19.275M	17.866M	Inf

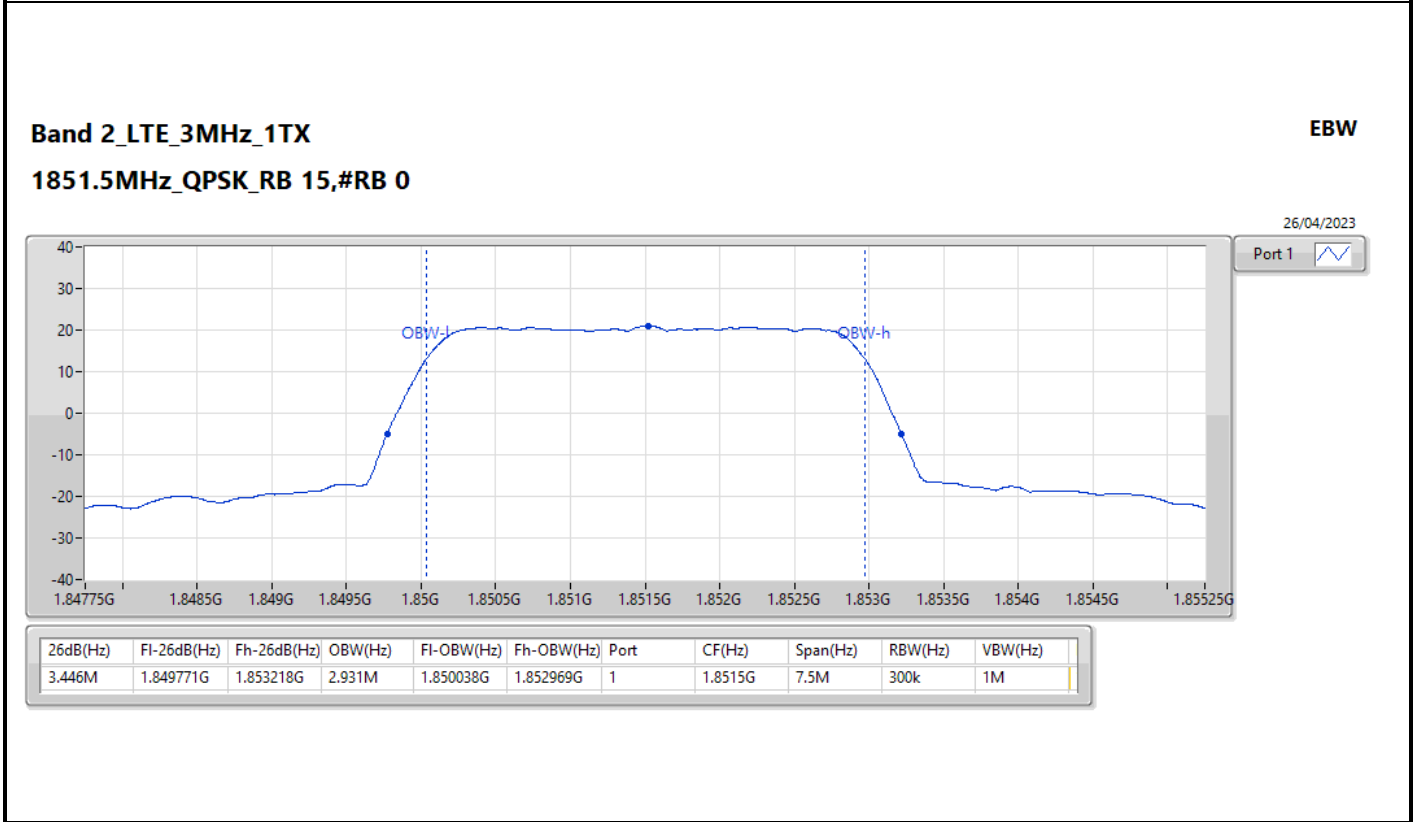
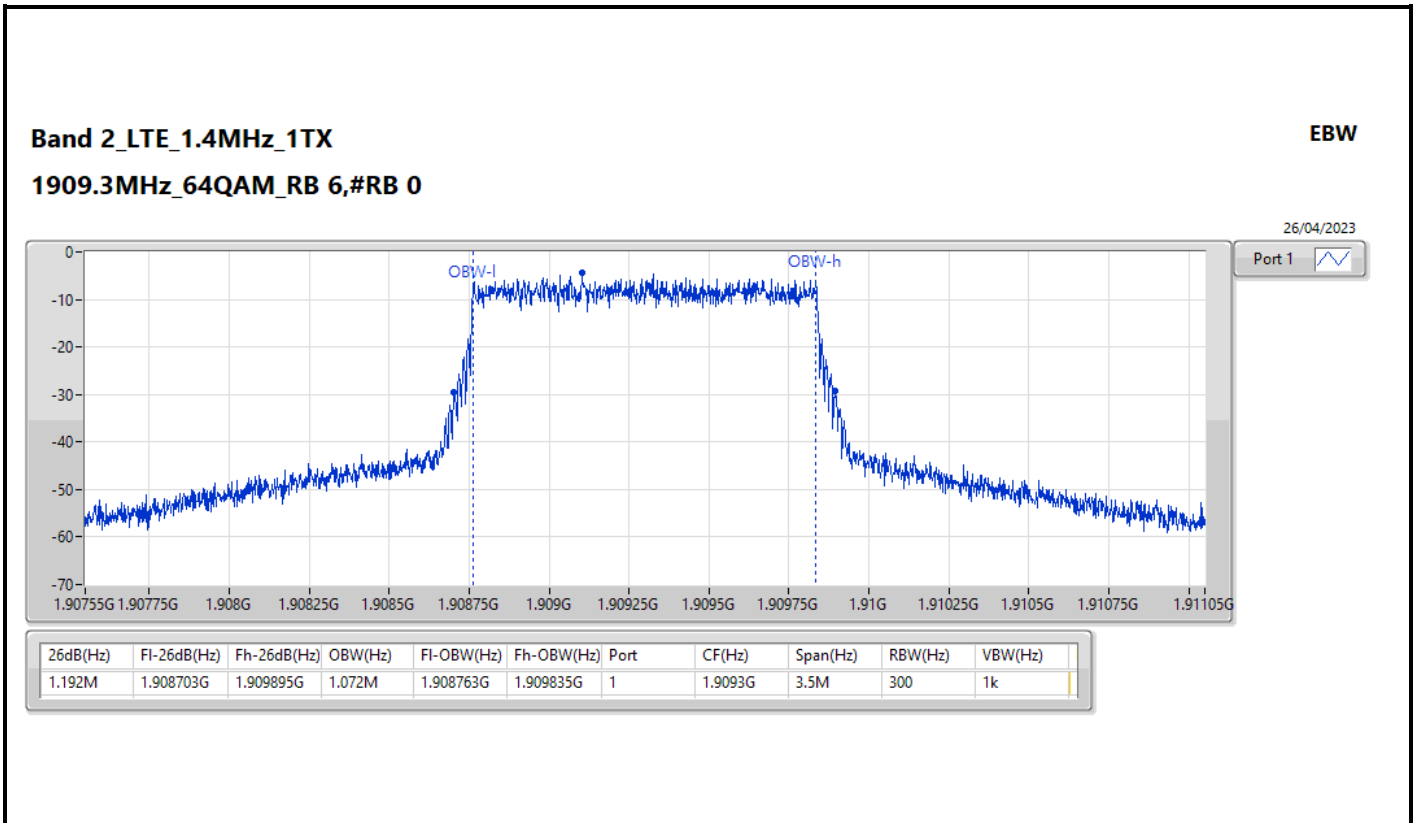
Port X-N dB = Port X 26dB down bandwidth;  
Port X-OBW = Port X 99% occupied bandwidth

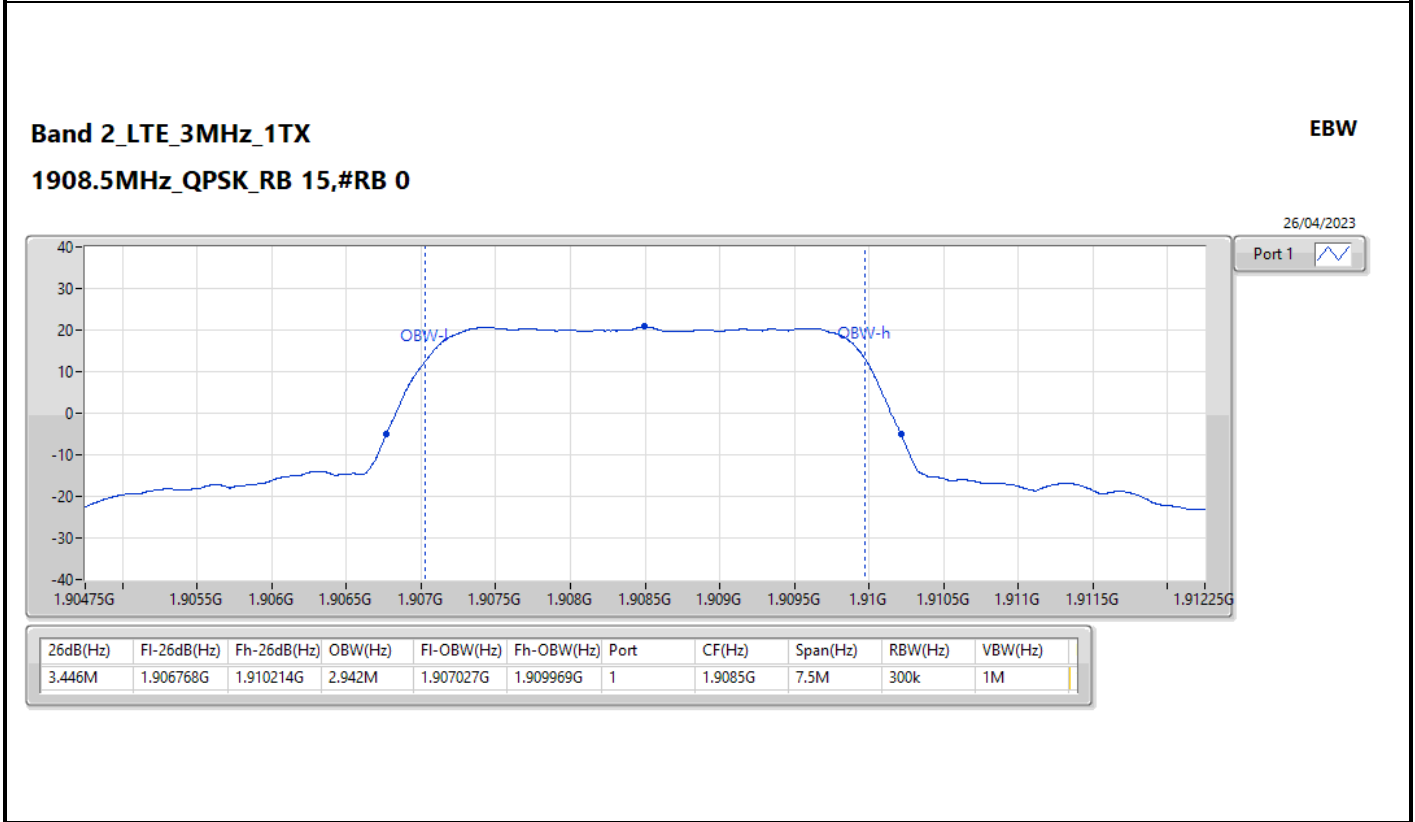
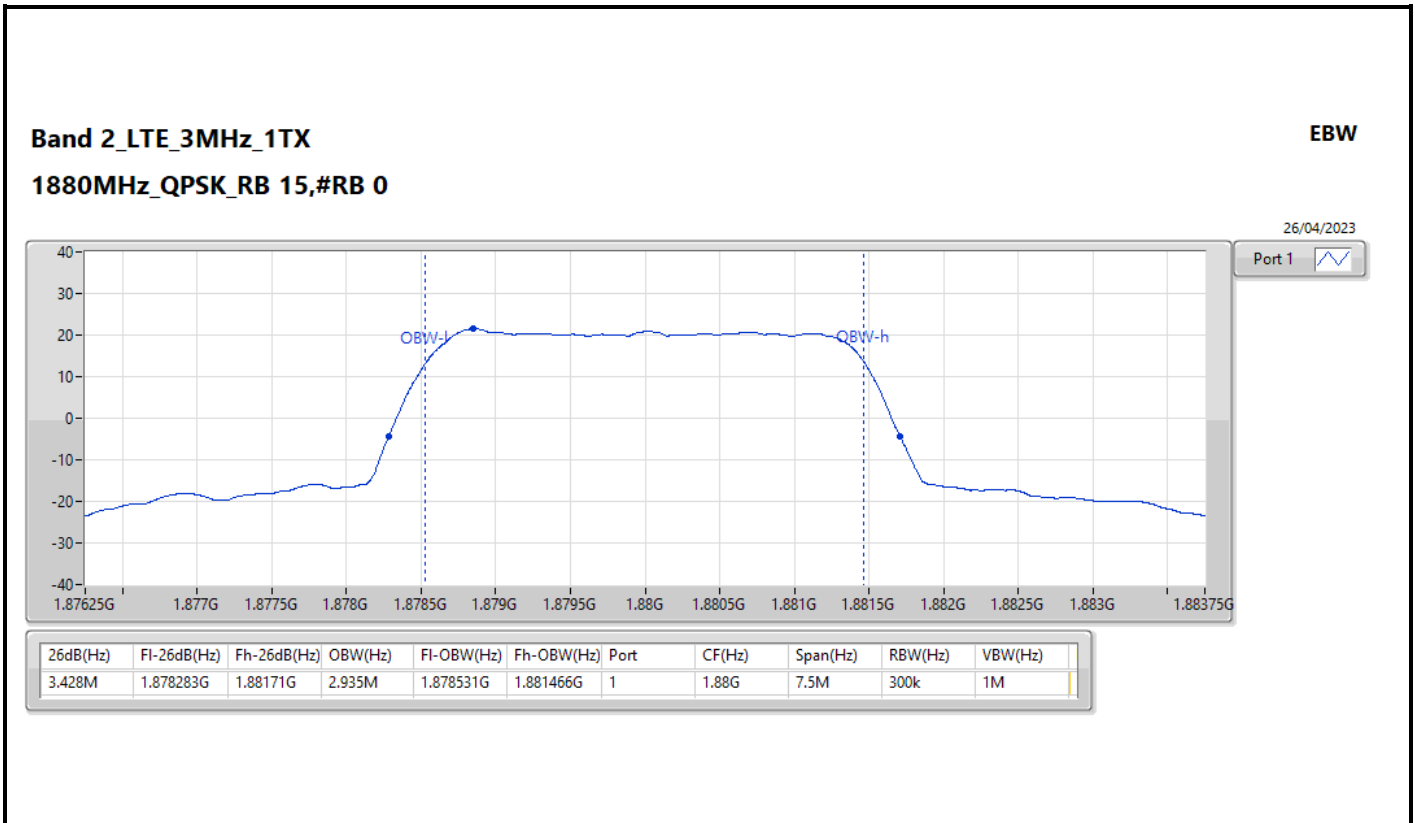




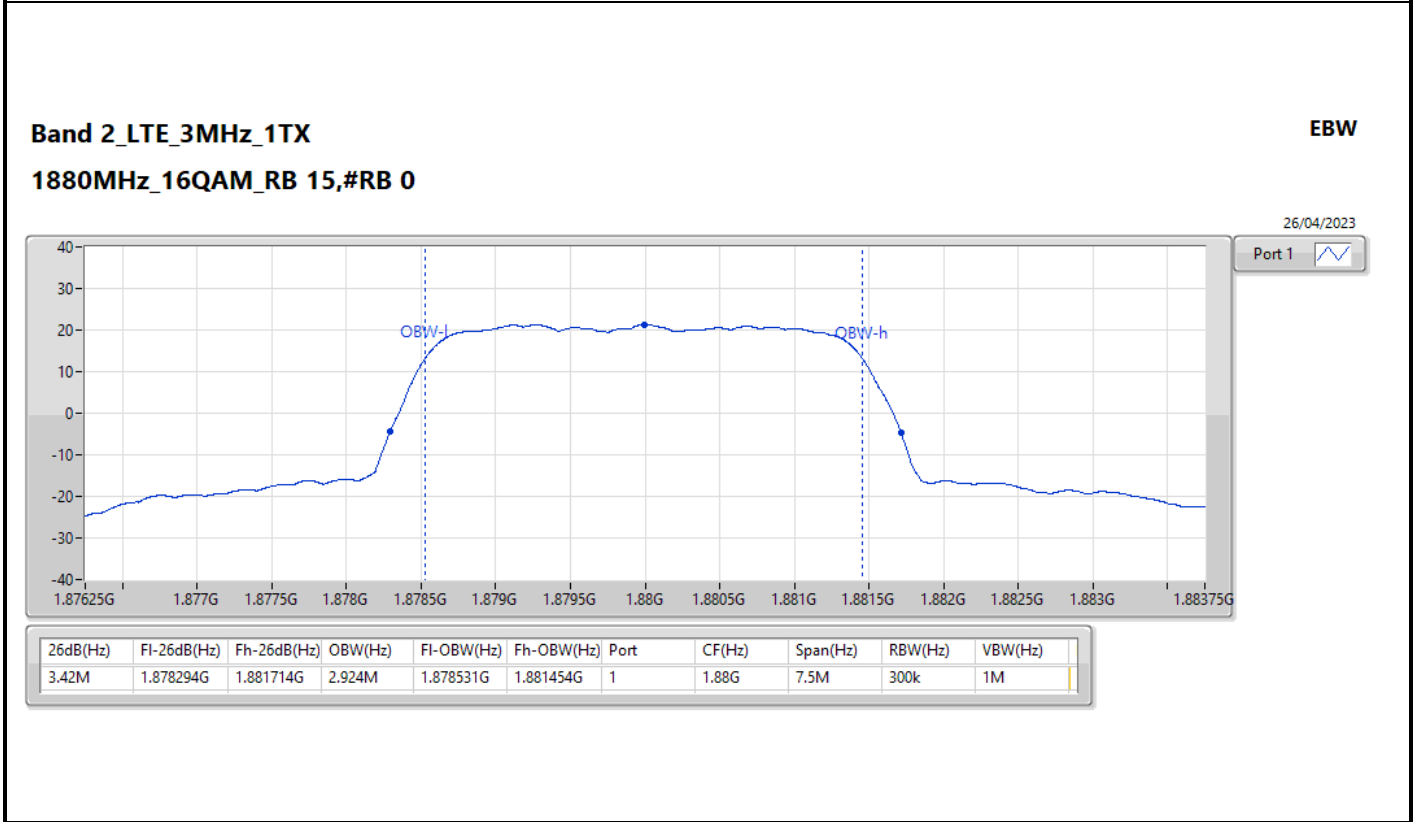
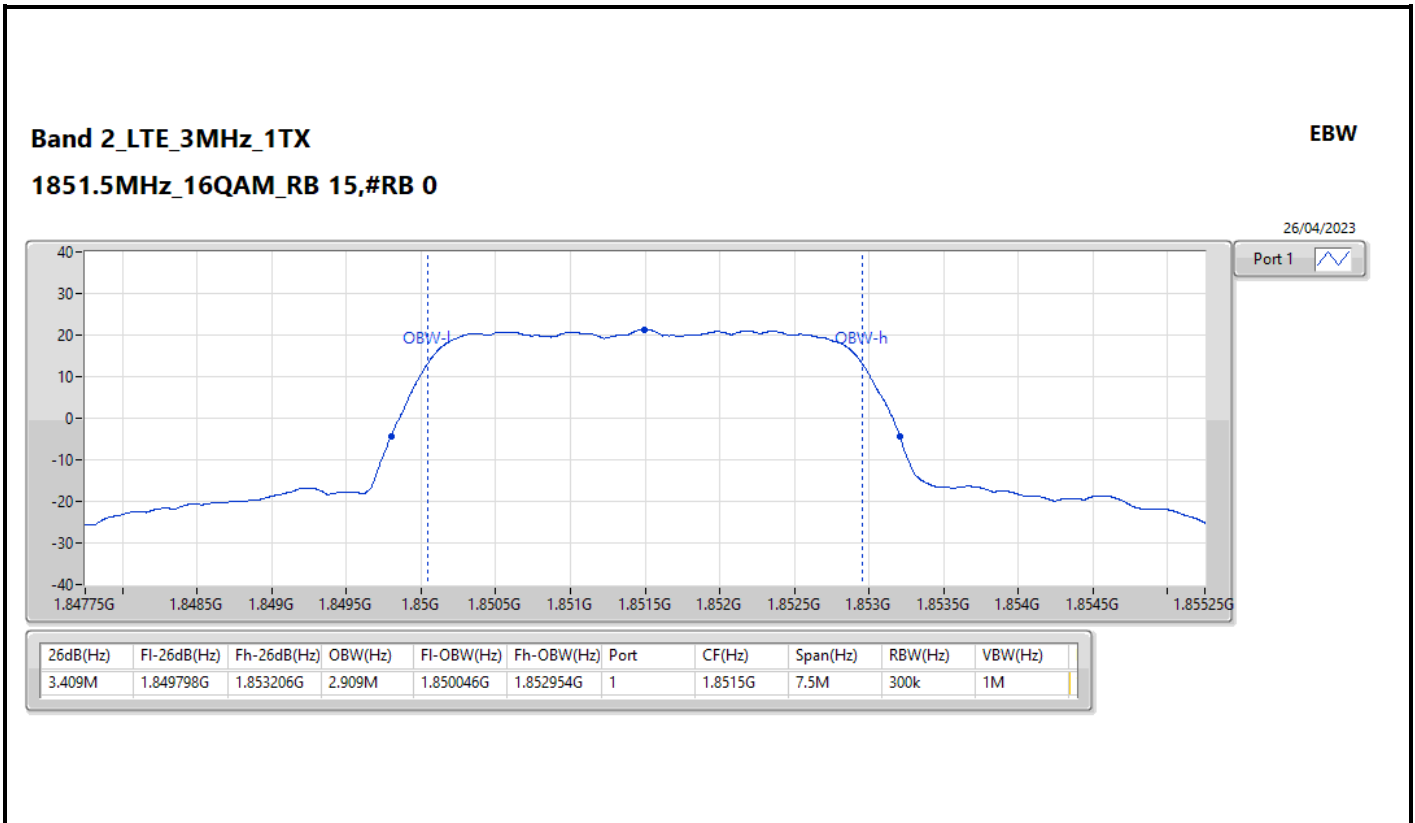


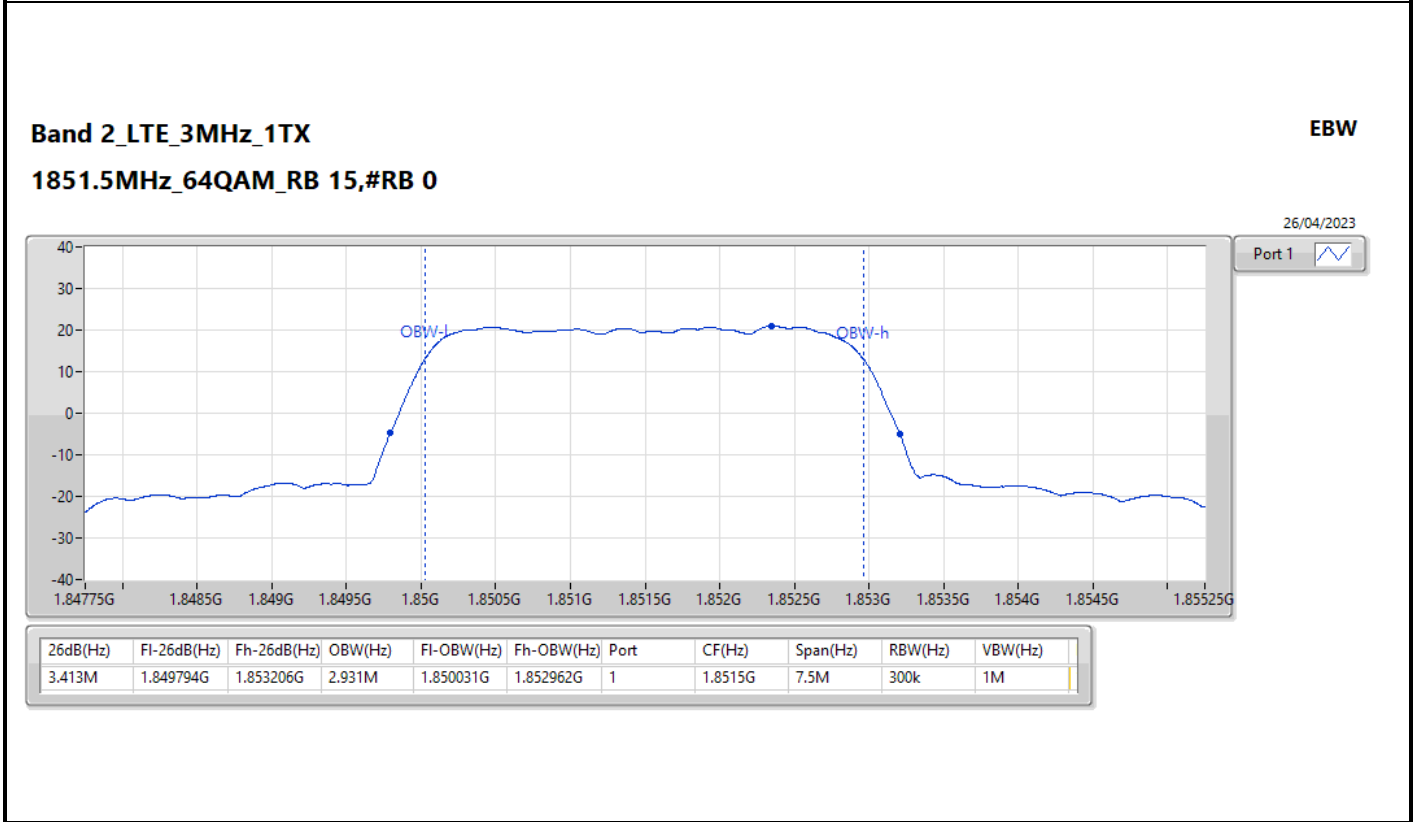
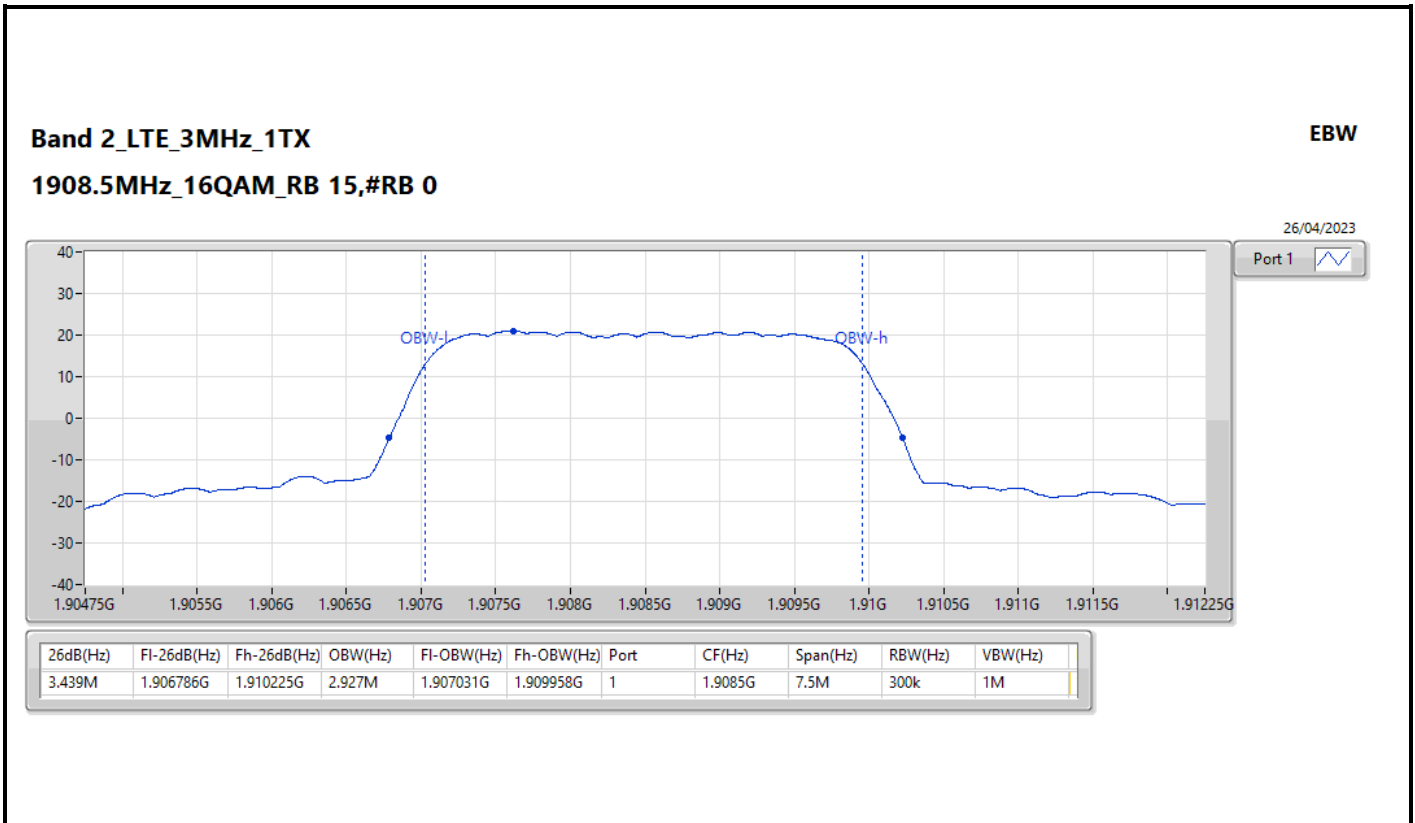


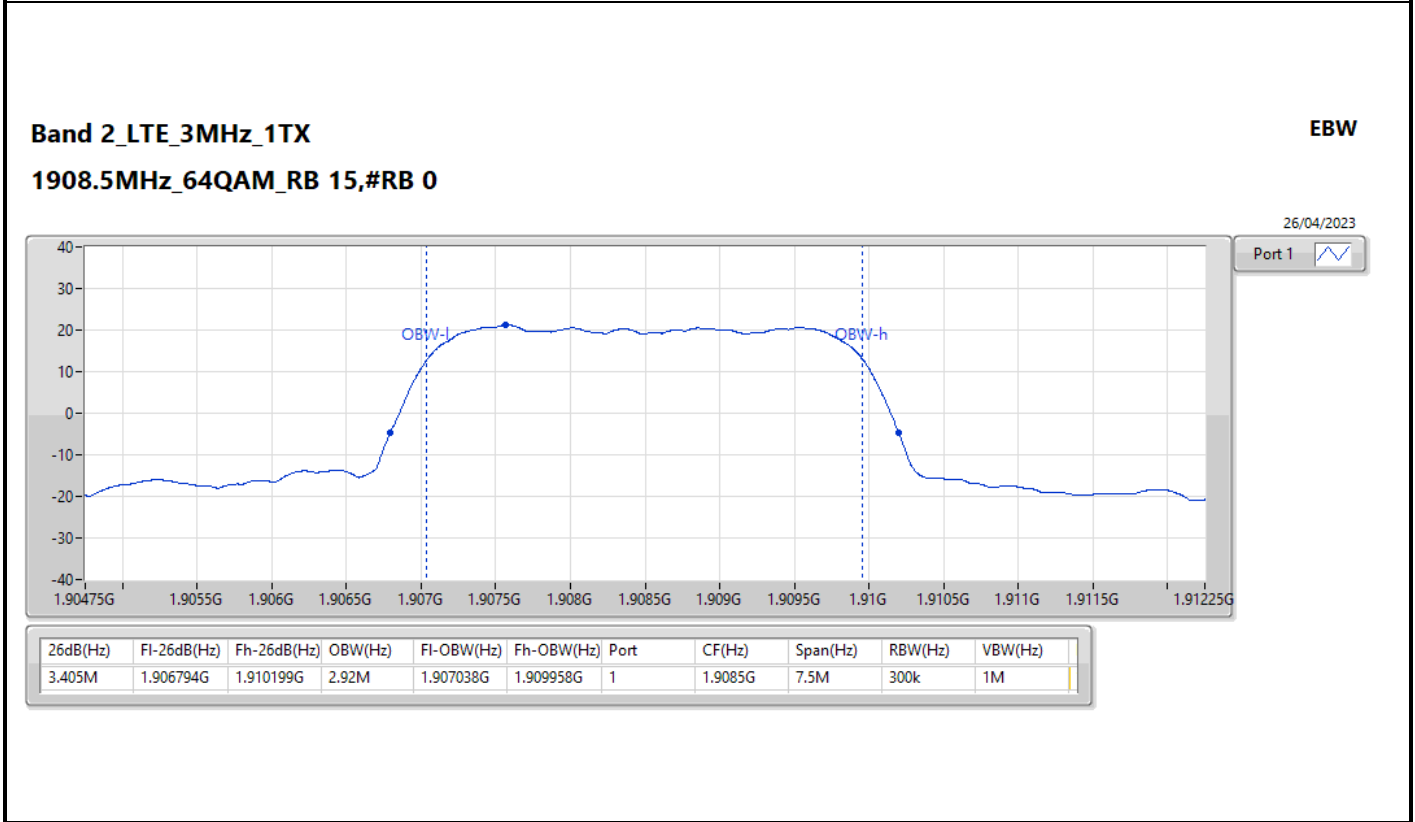
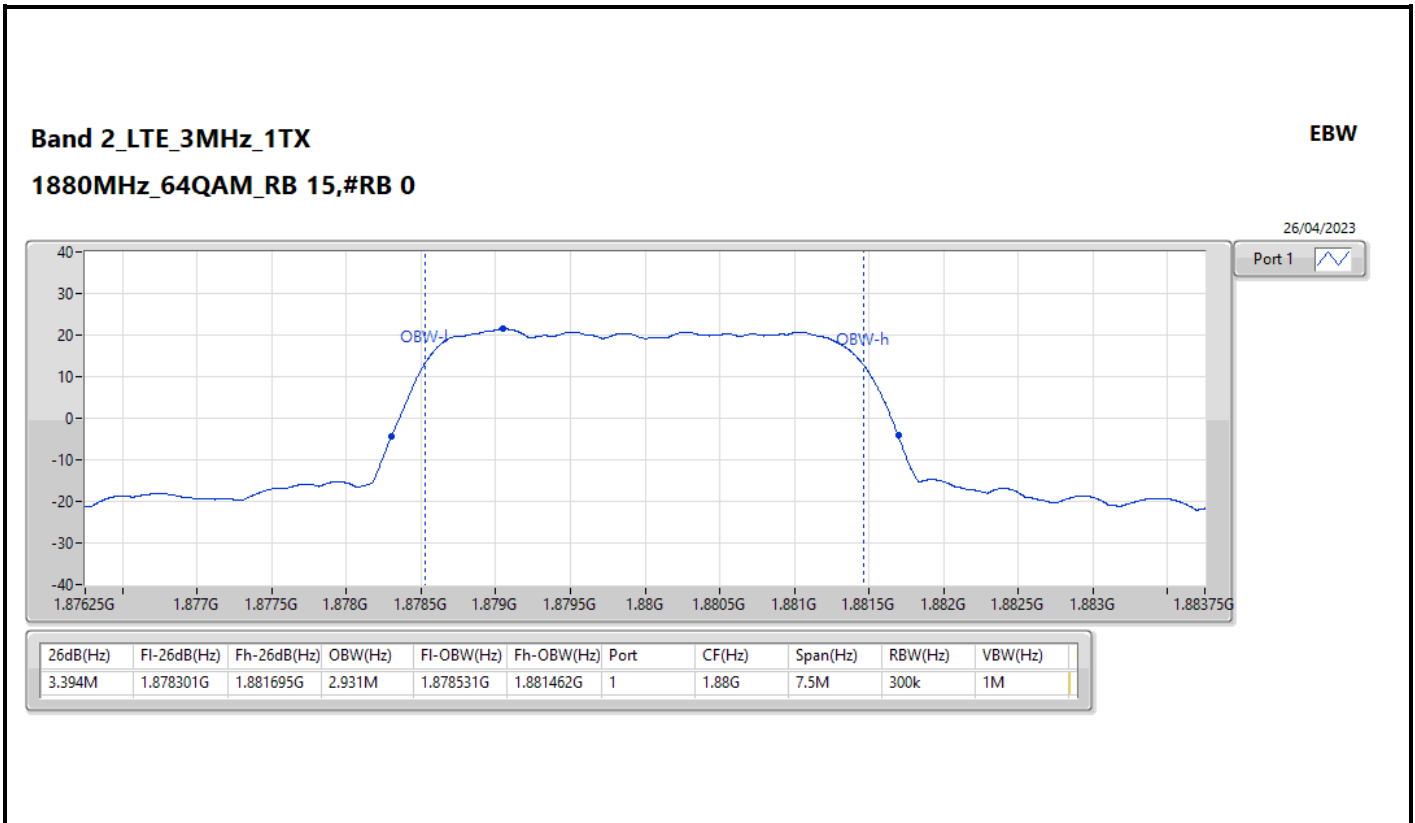


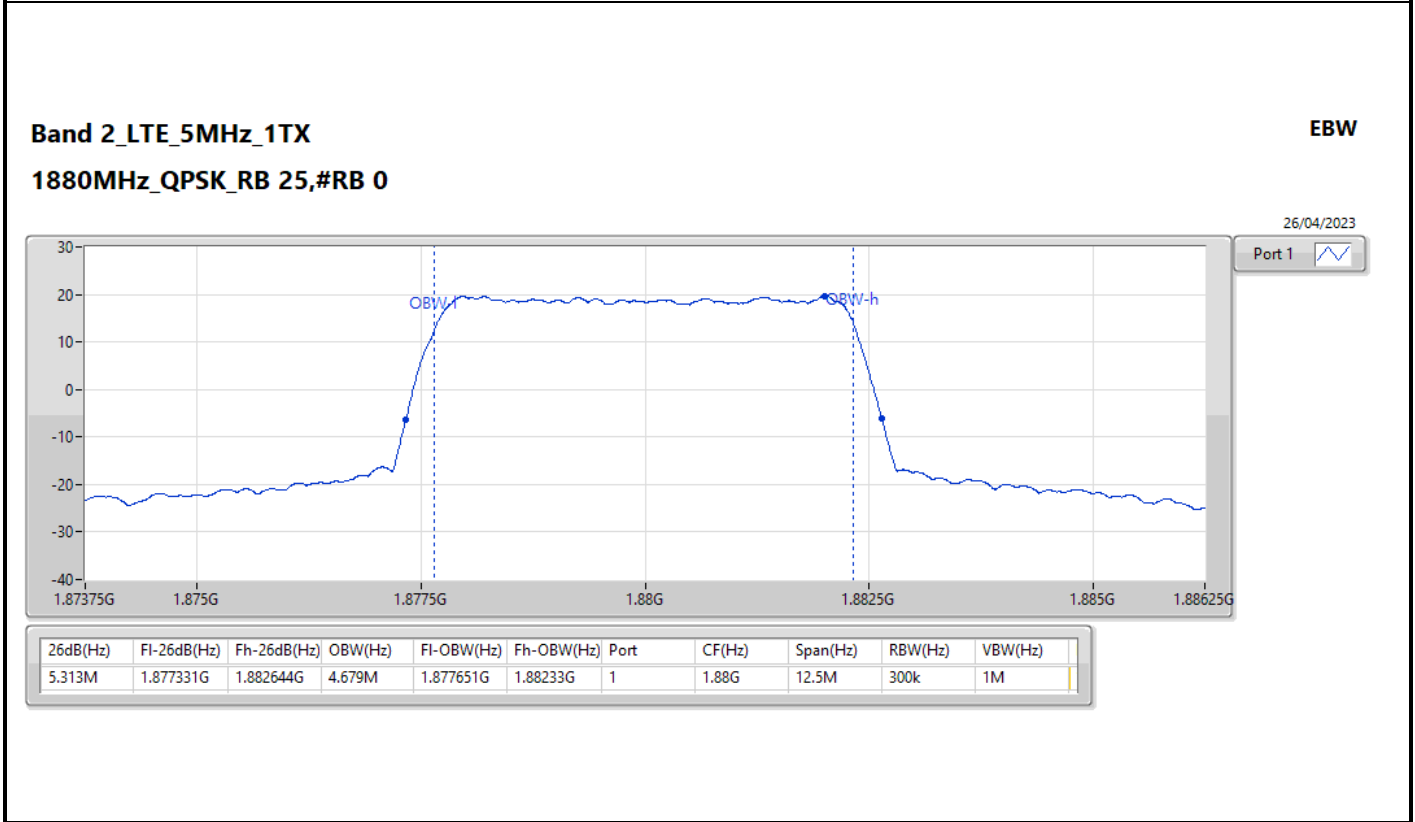
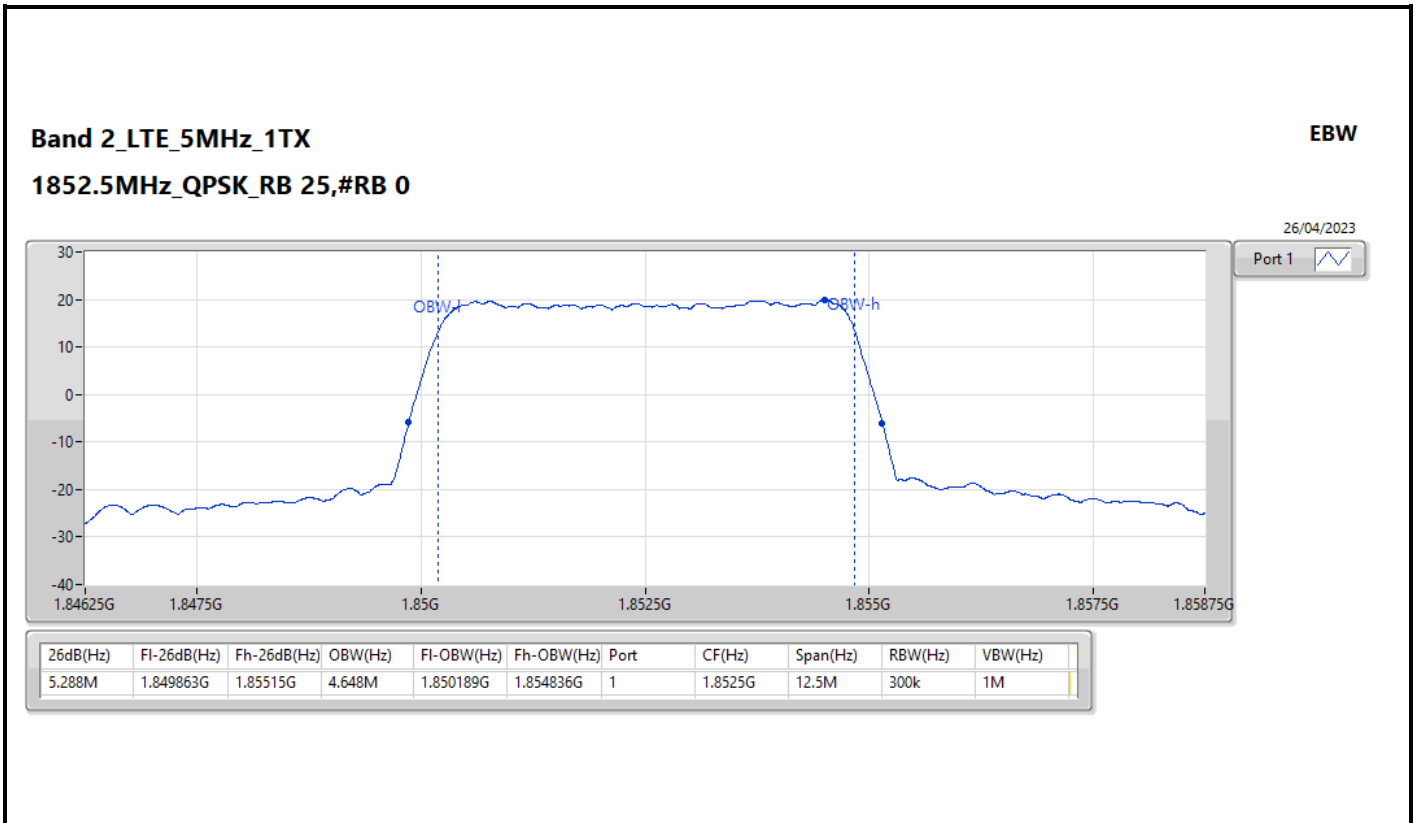


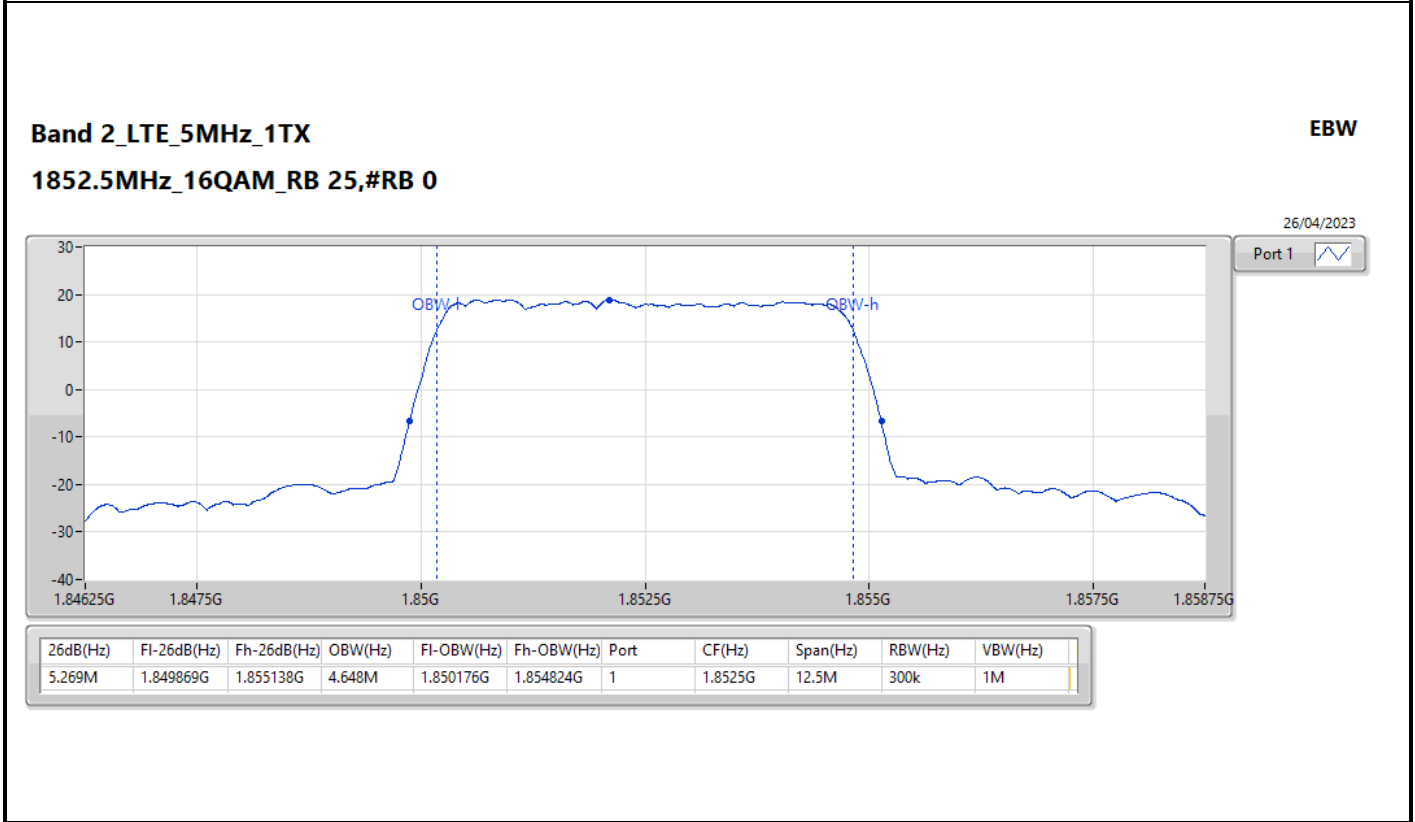
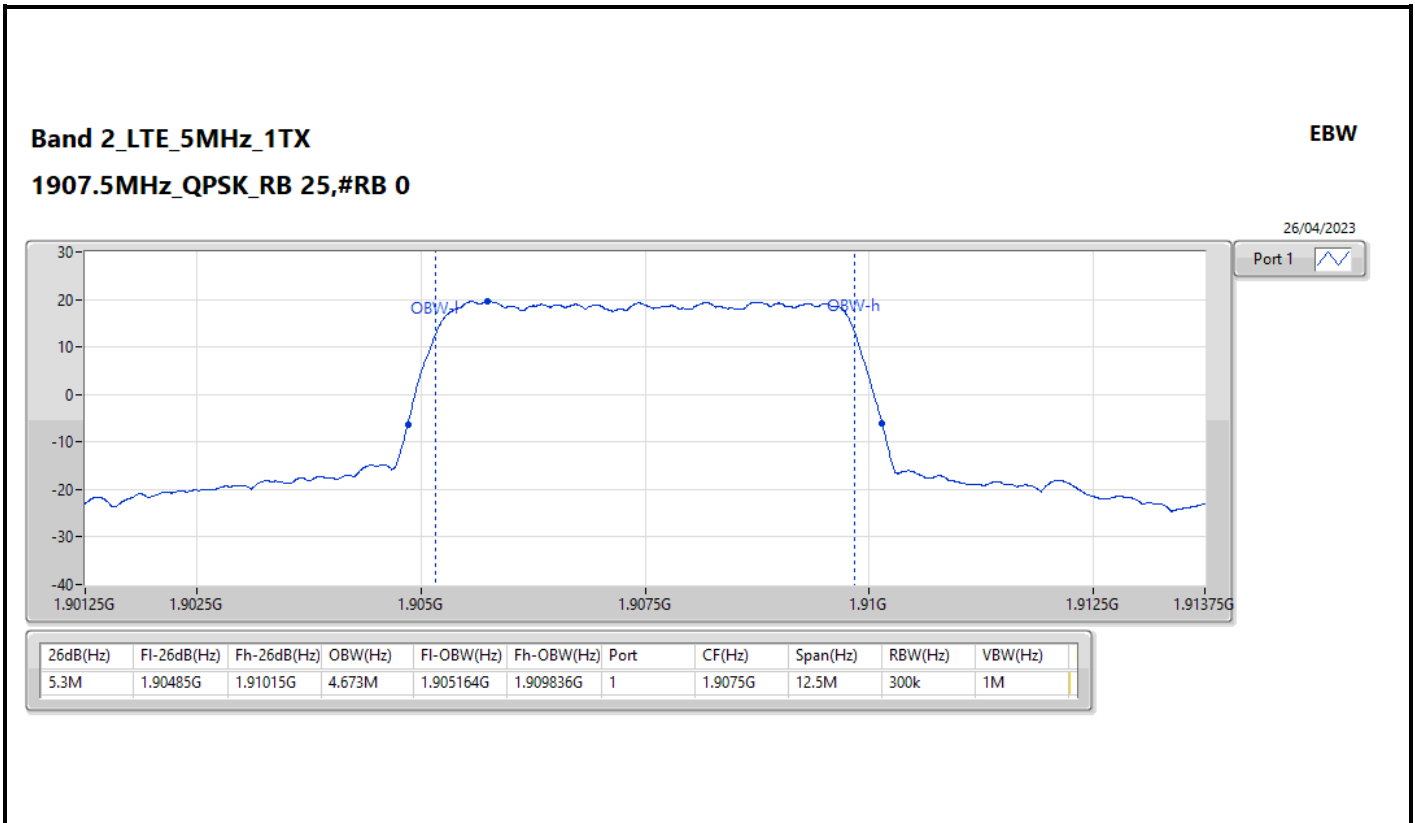


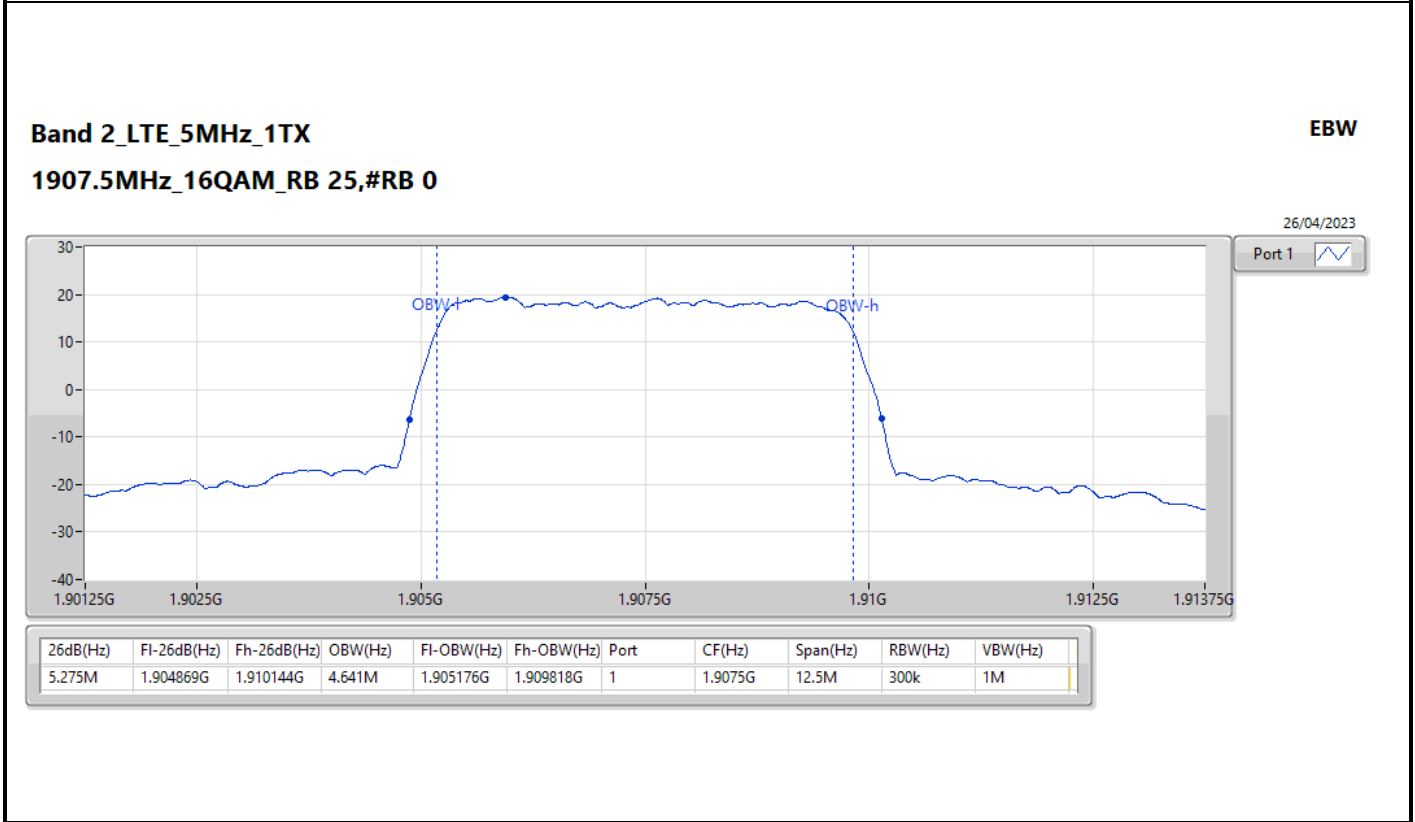
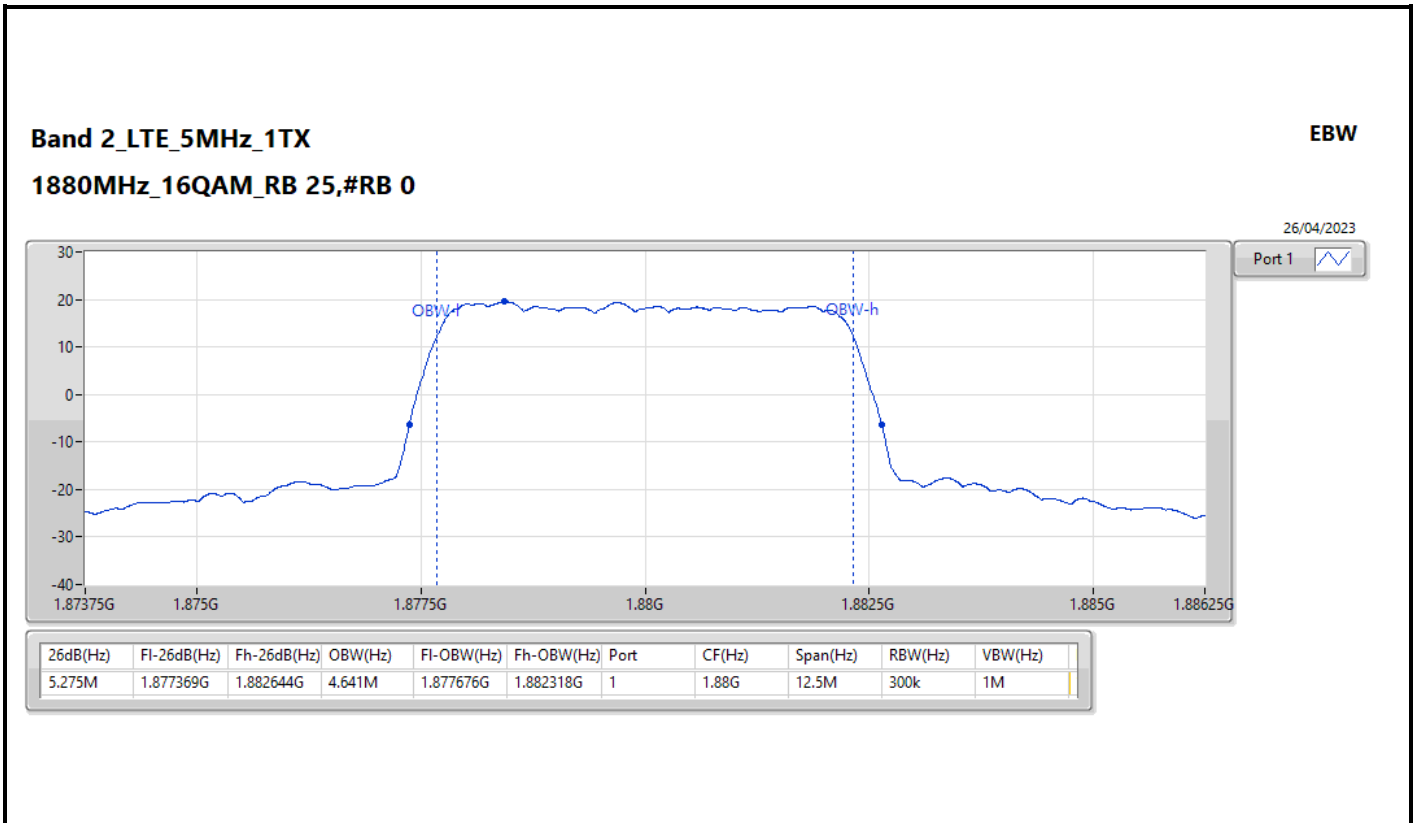


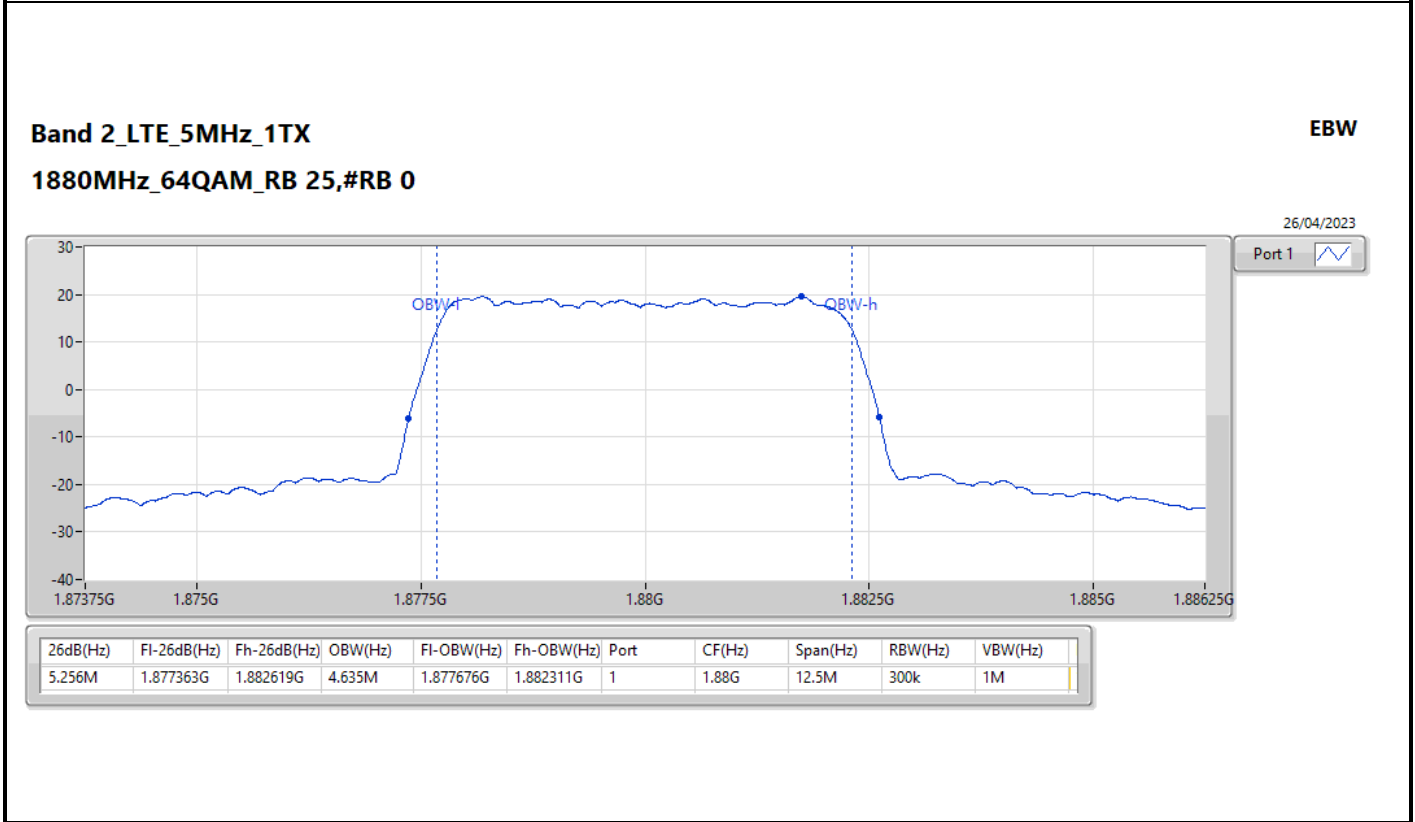
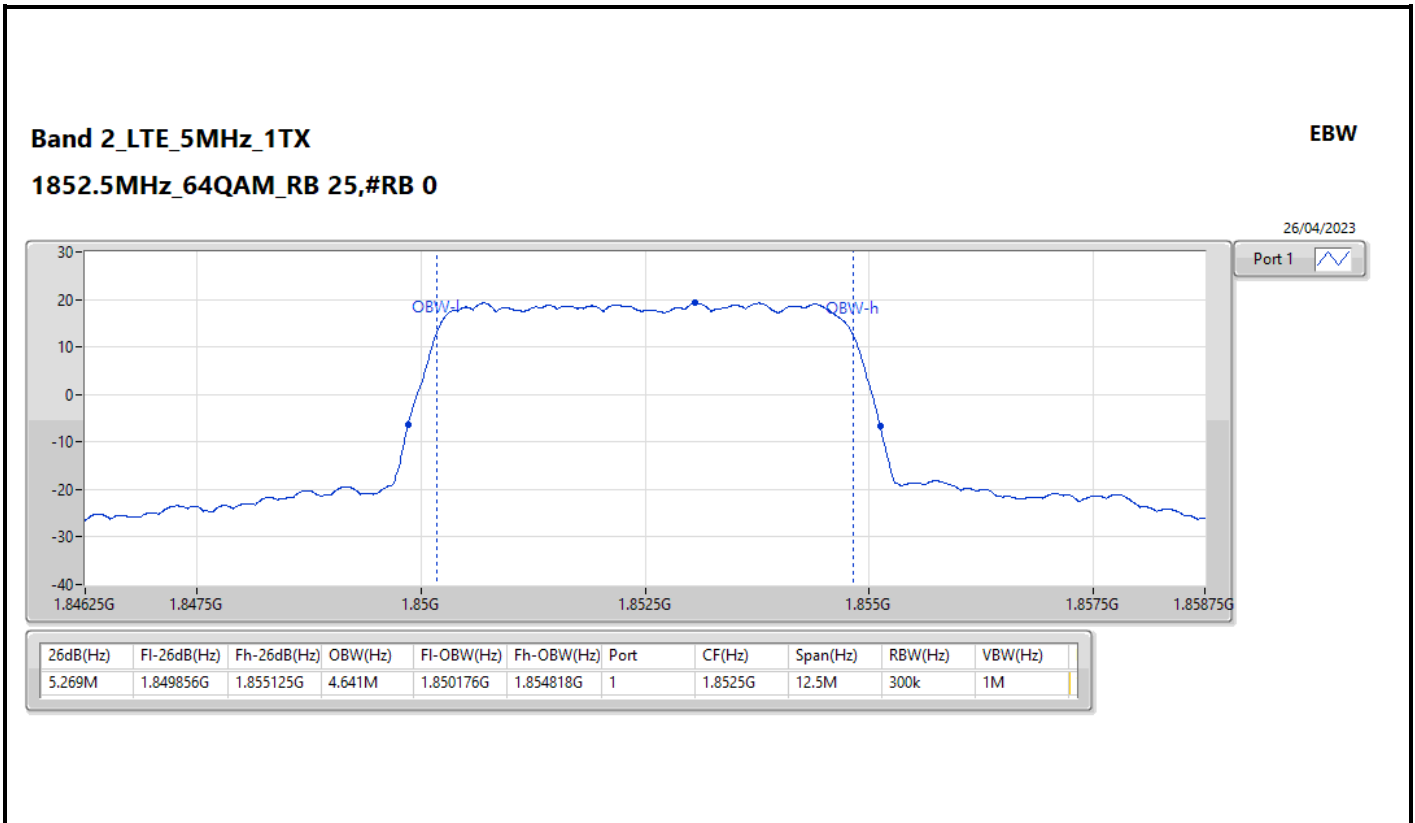


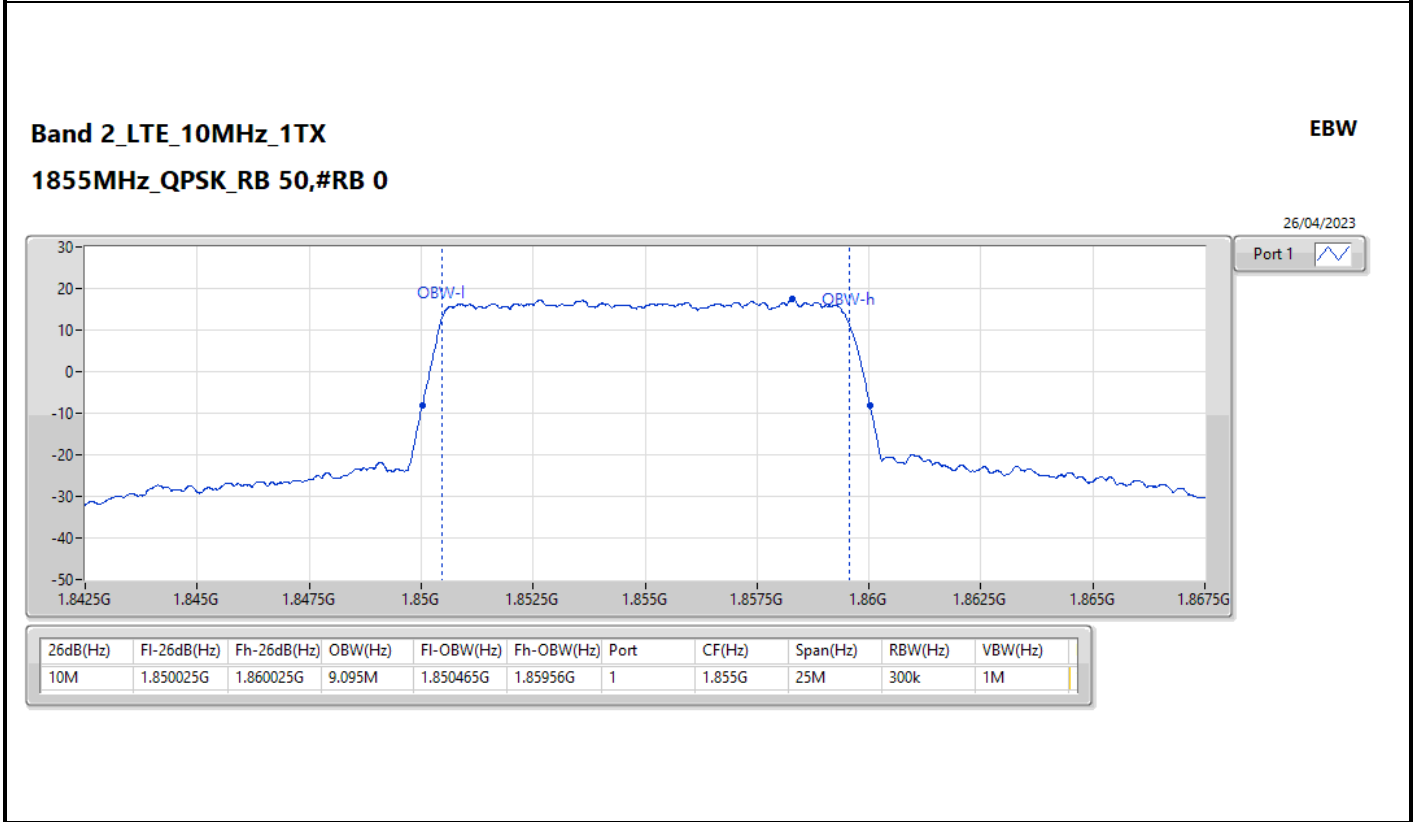
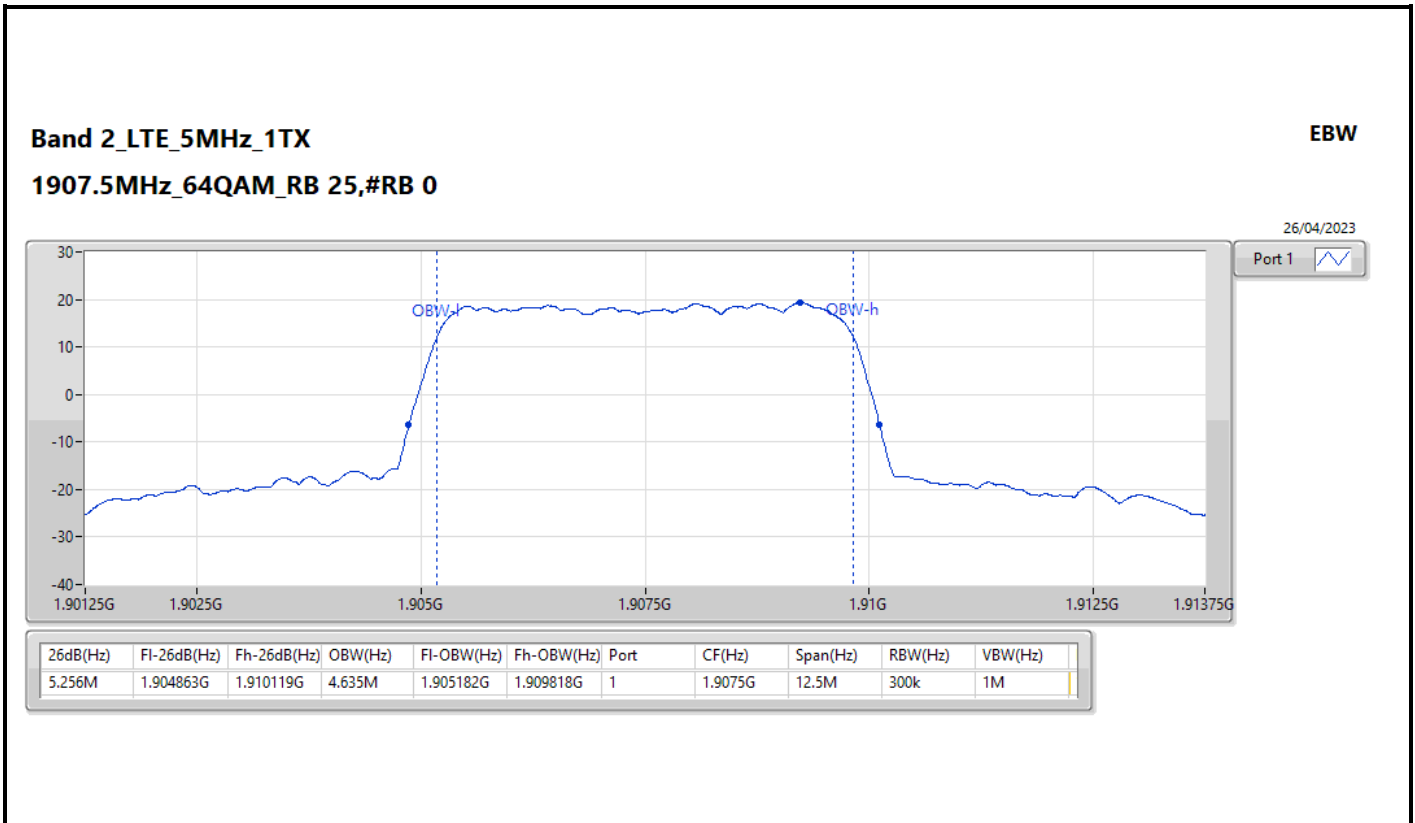




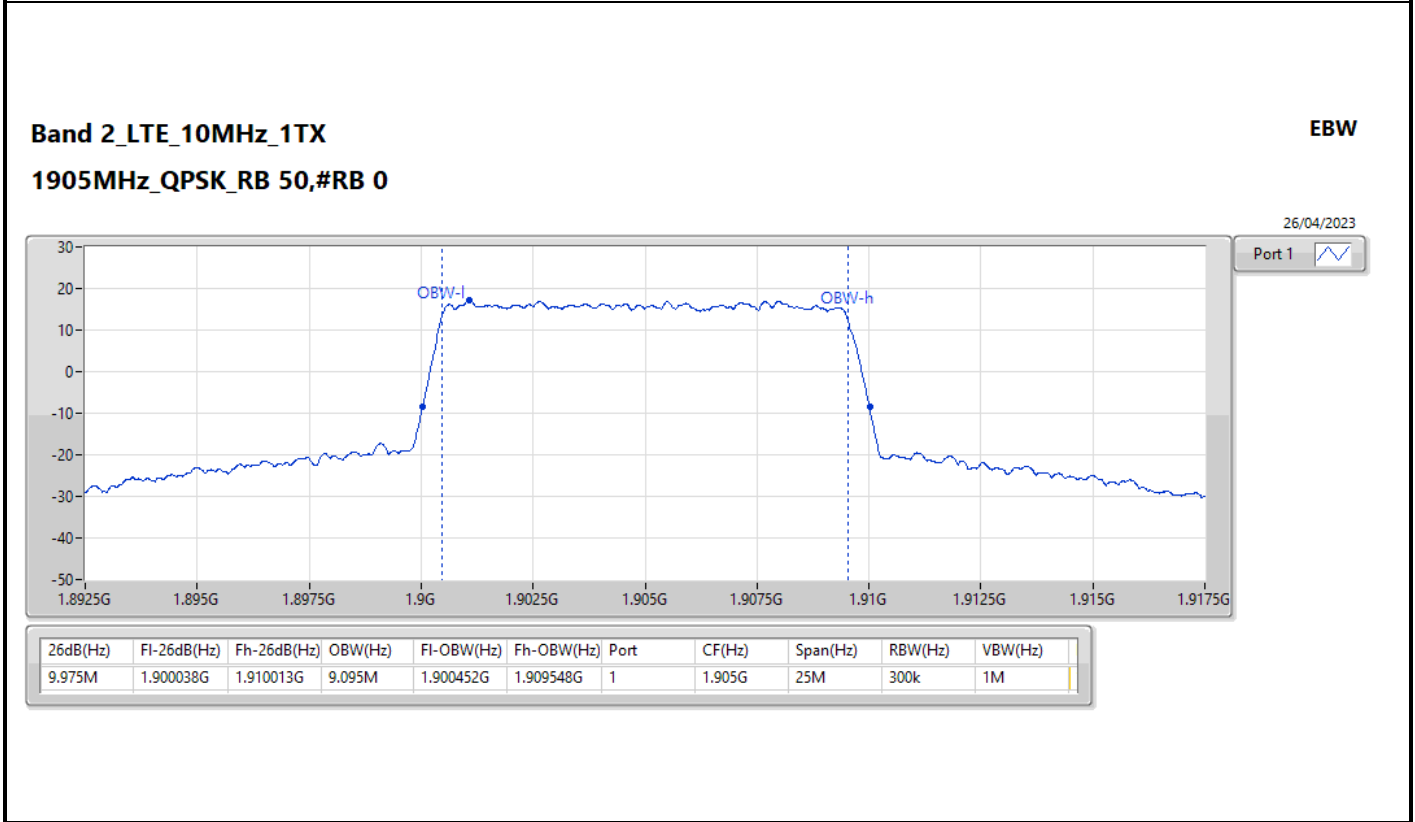
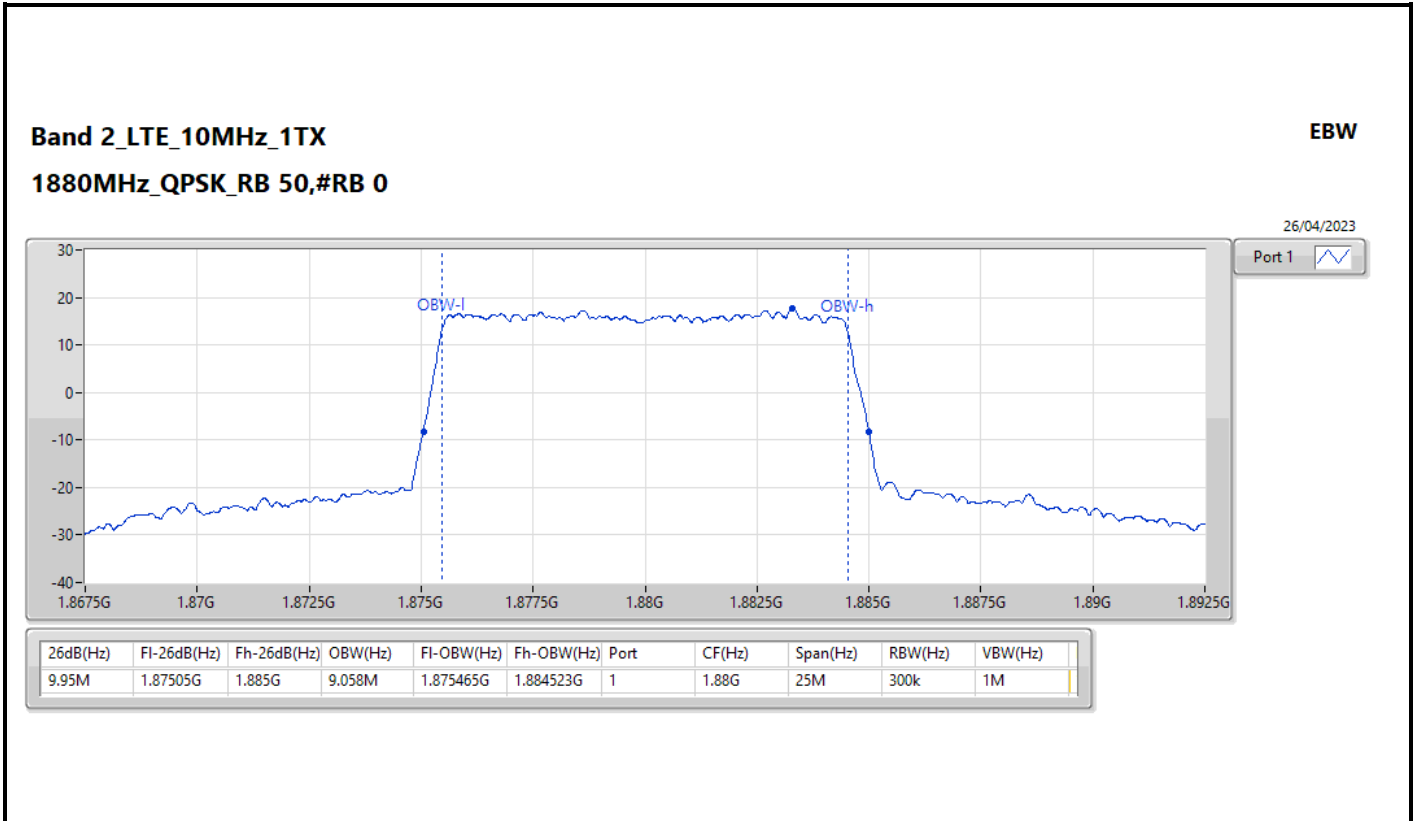


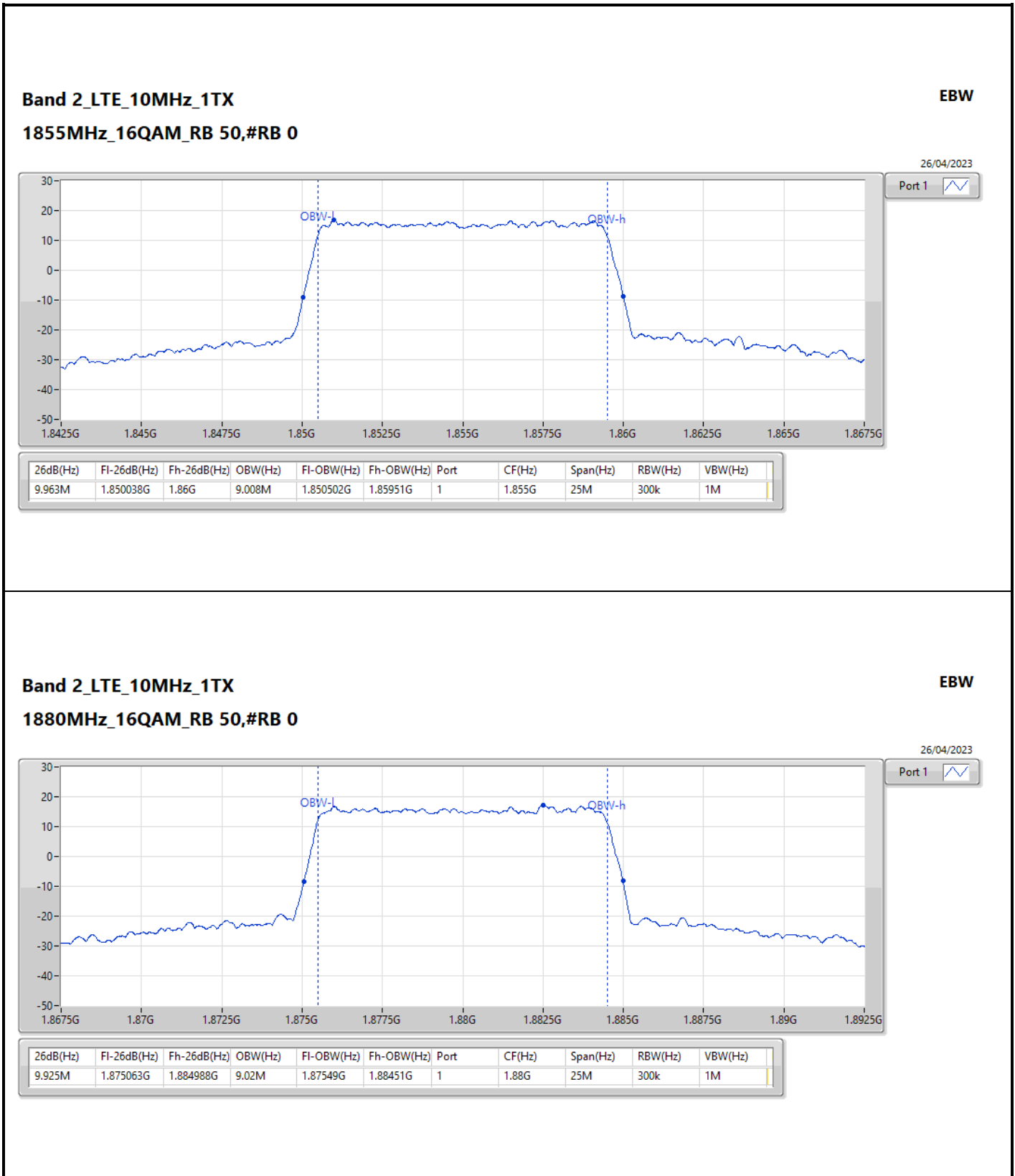


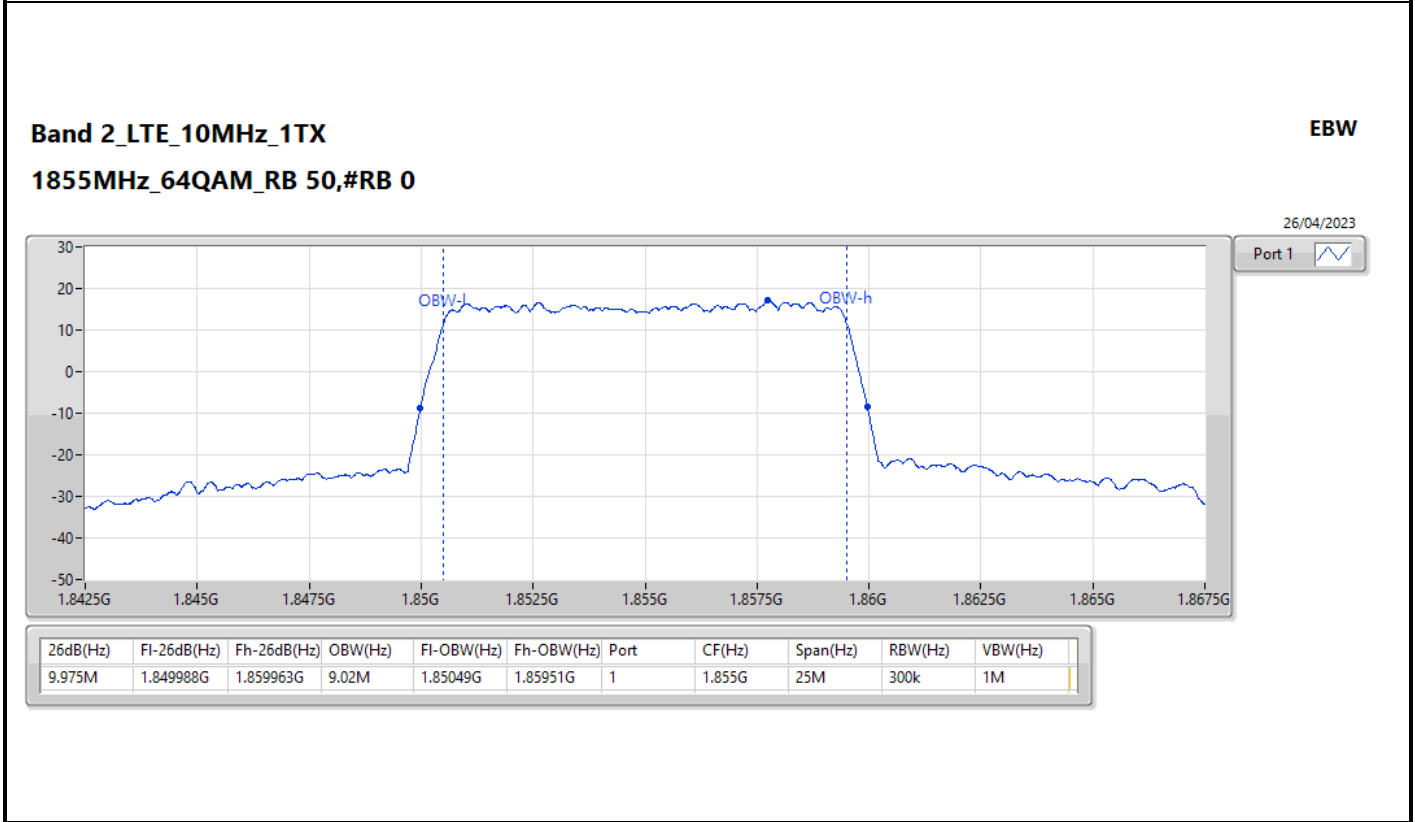
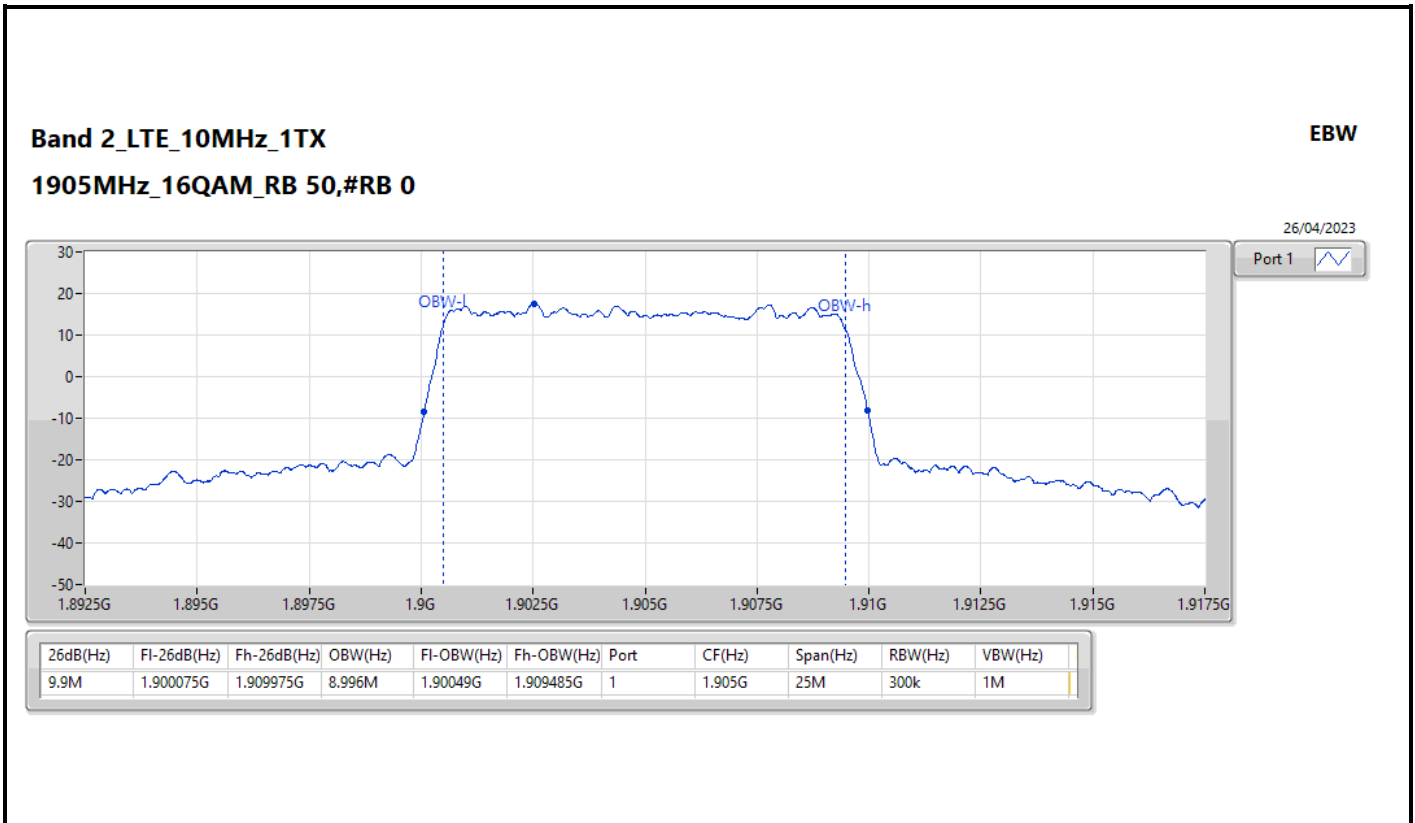


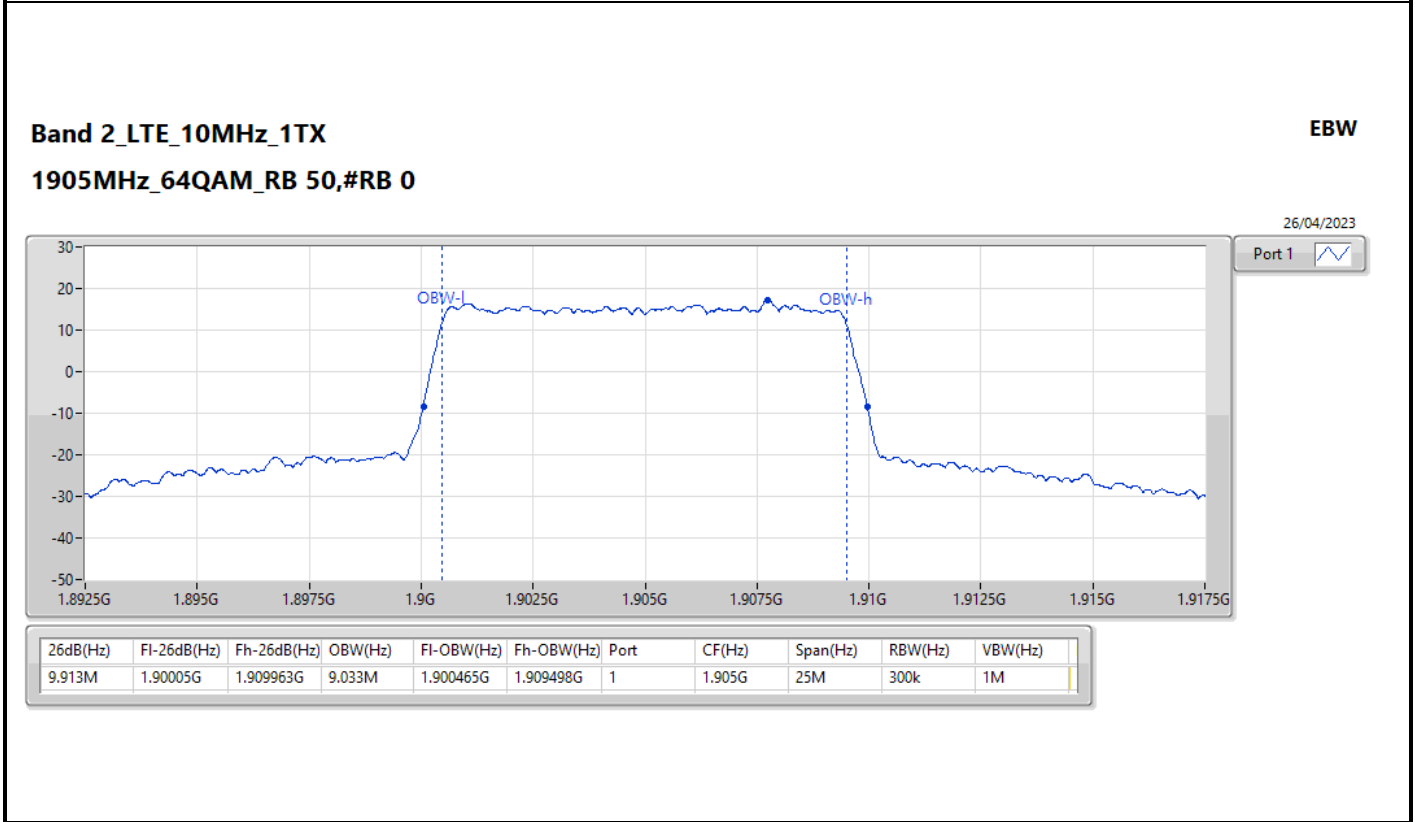
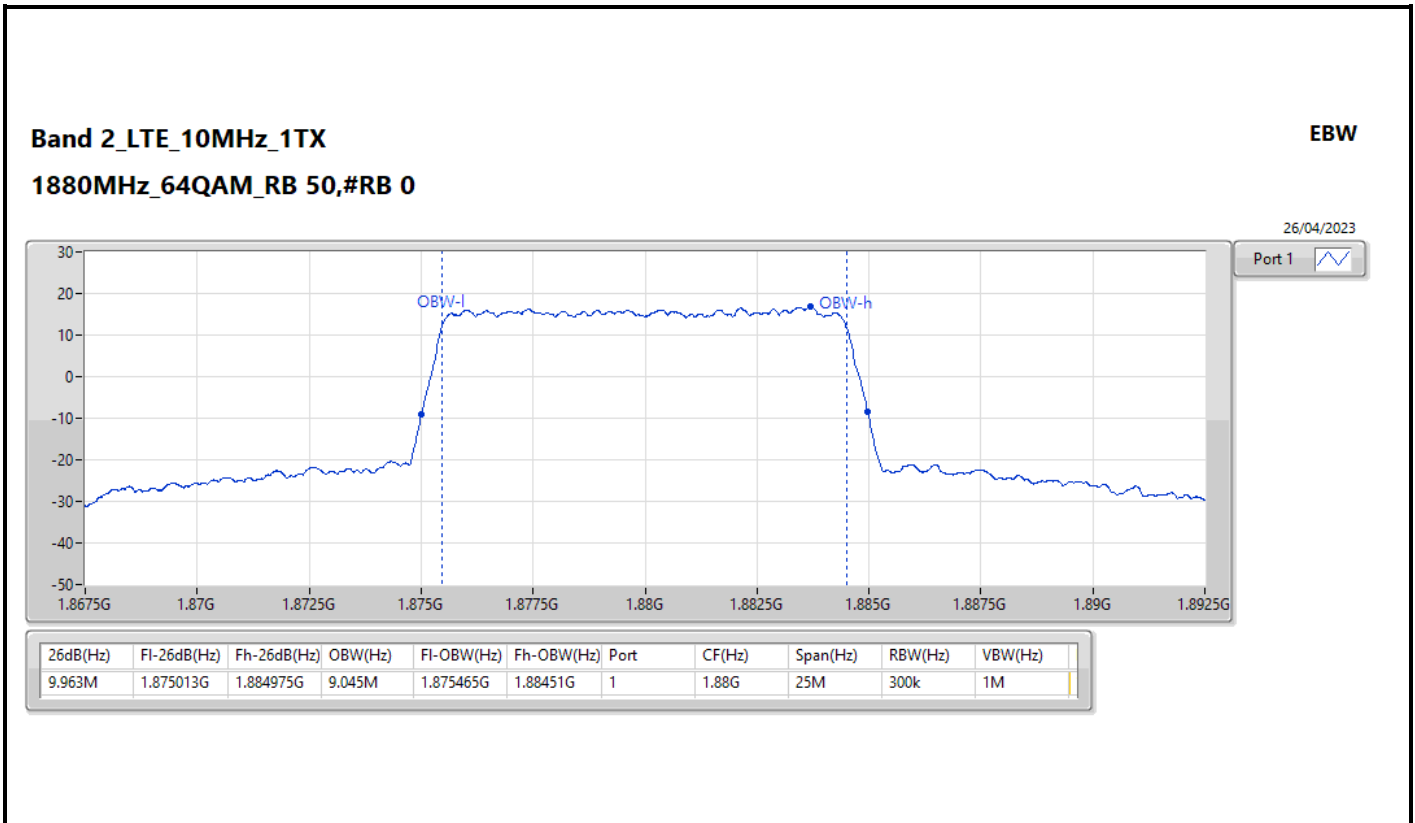


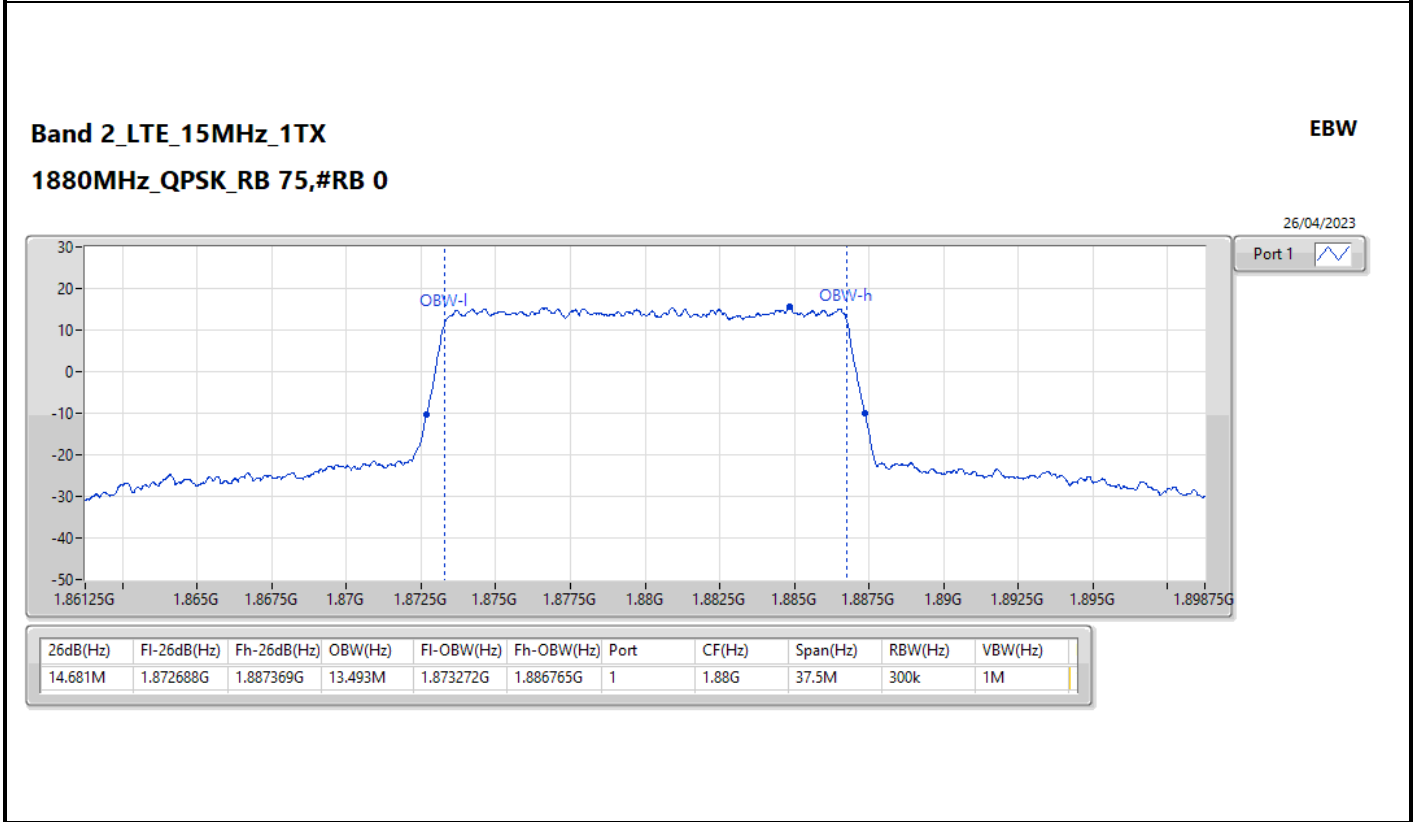
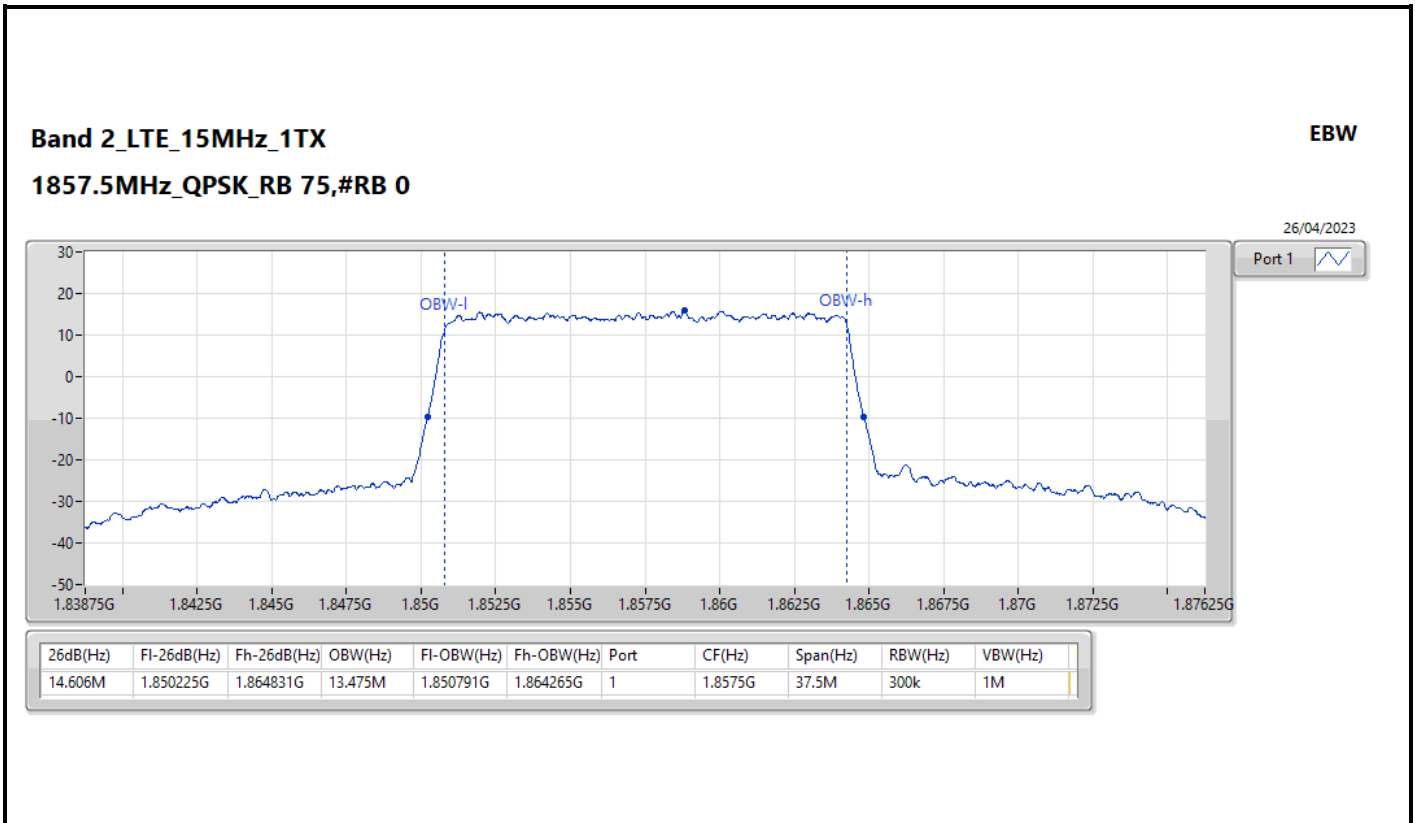


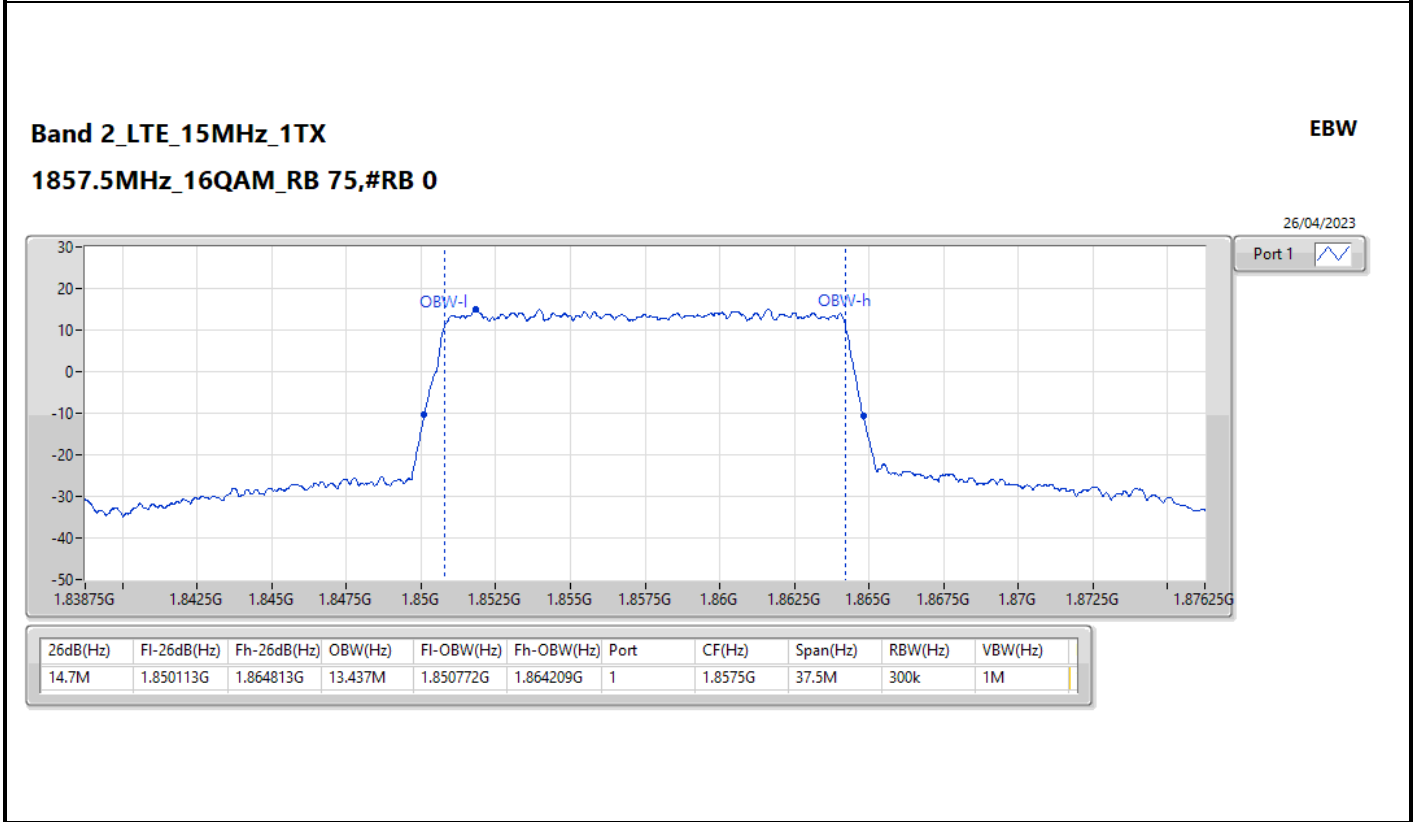
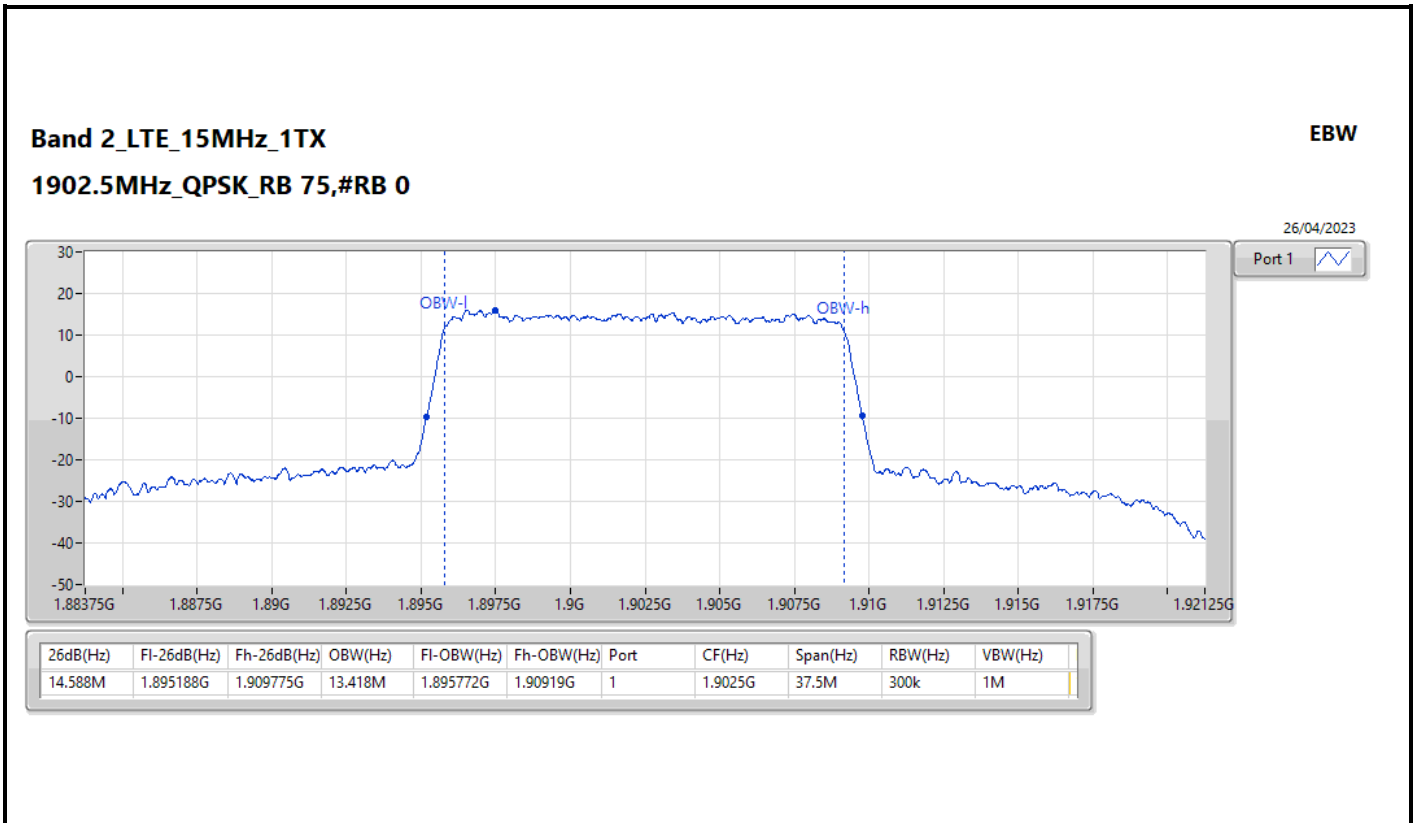


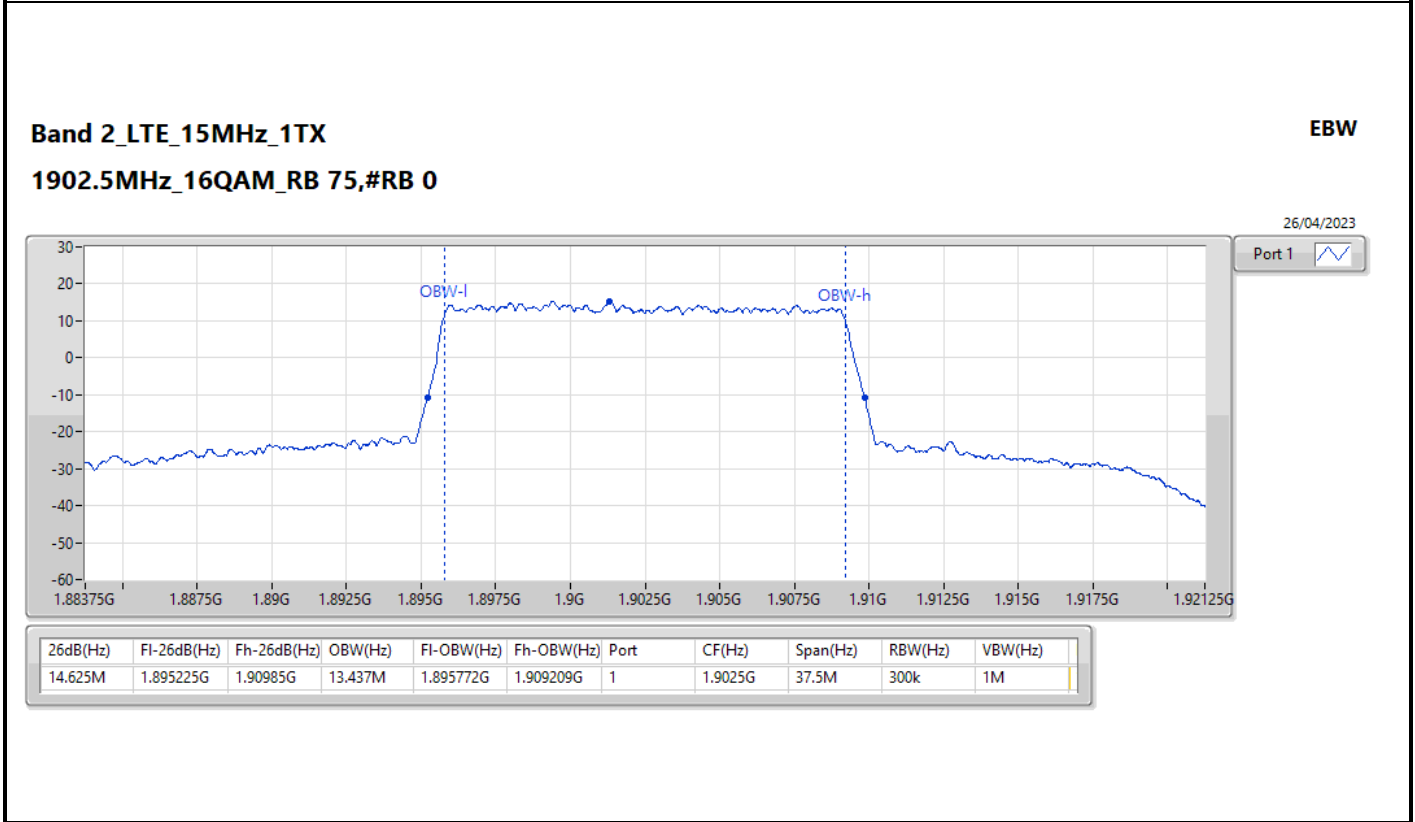
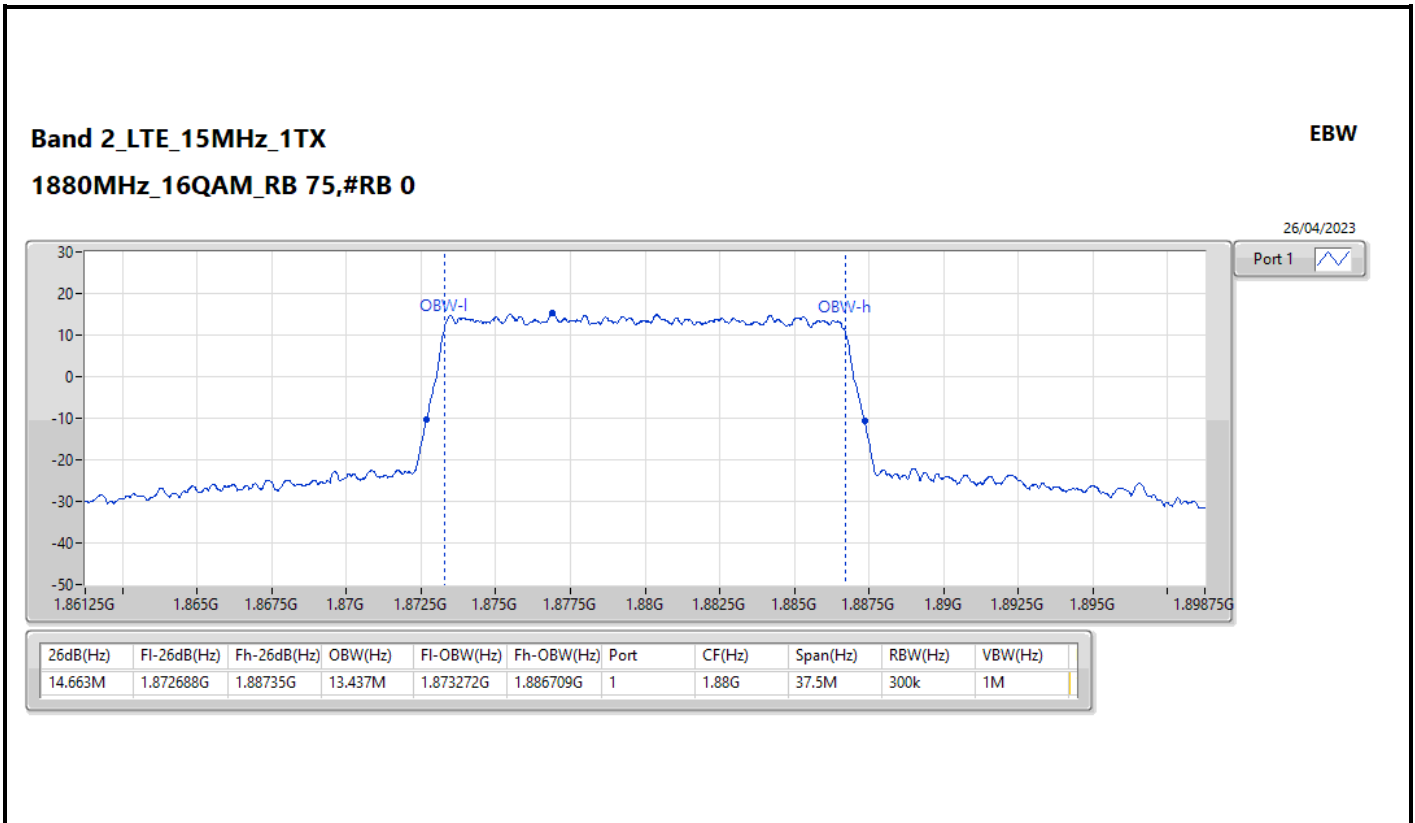


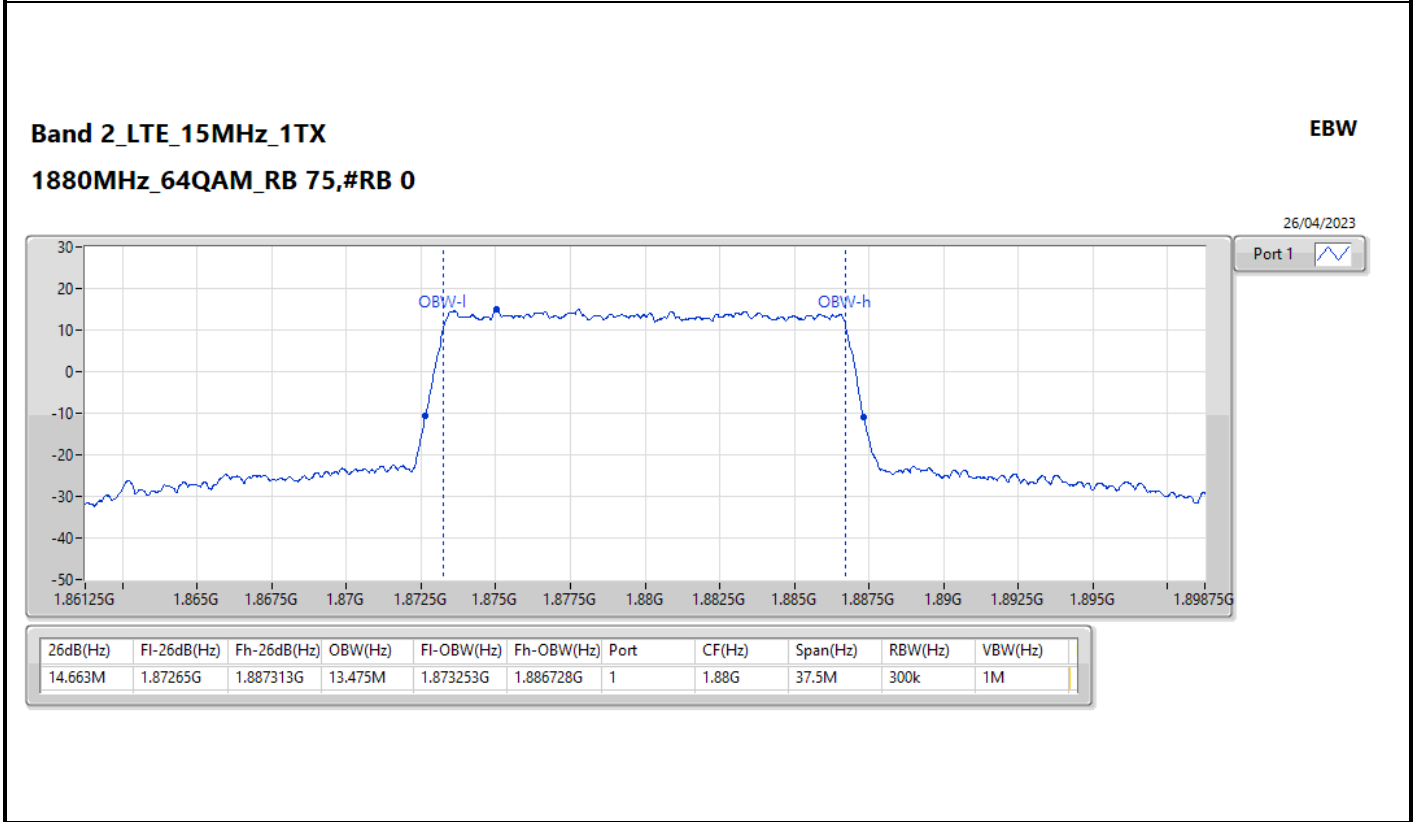
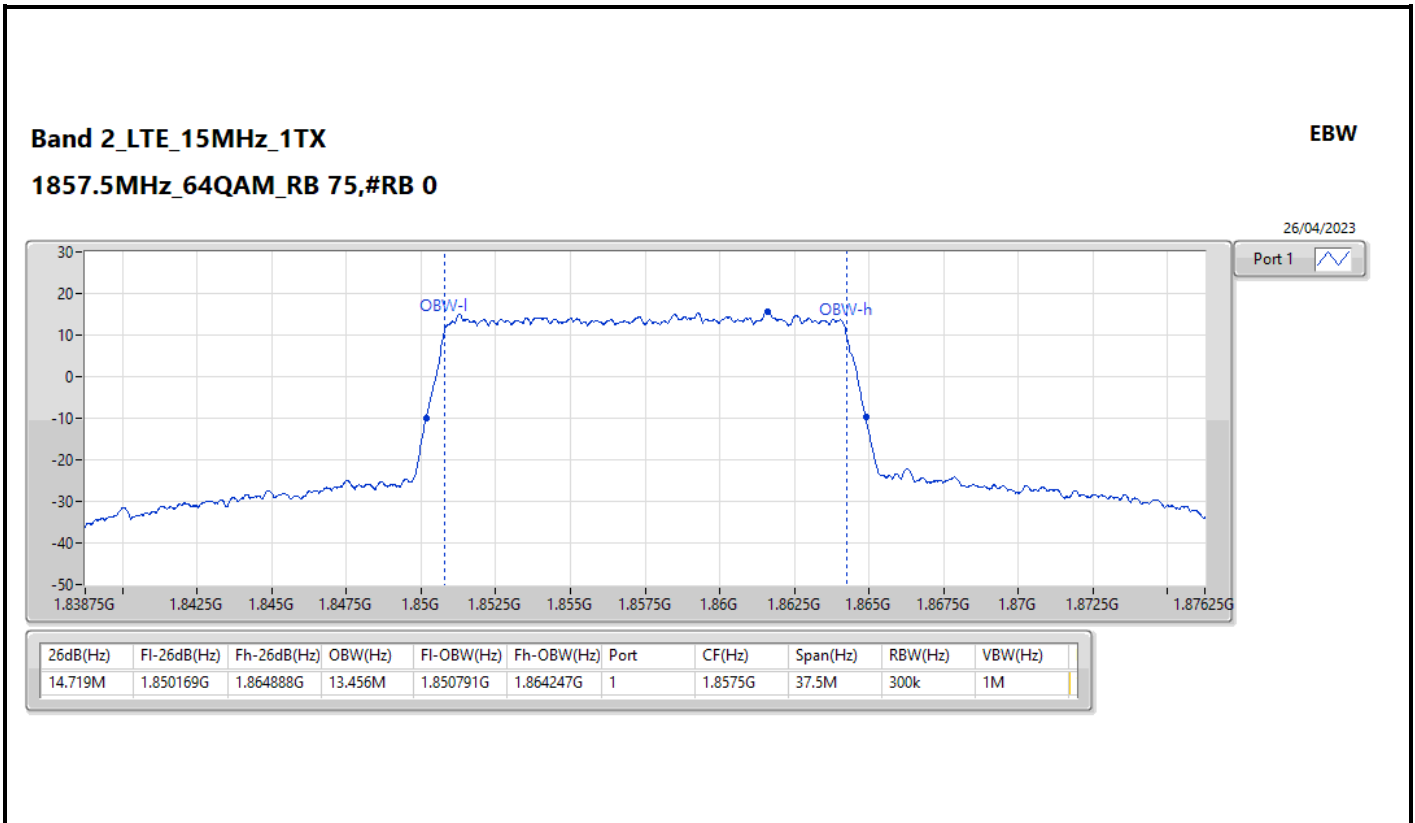




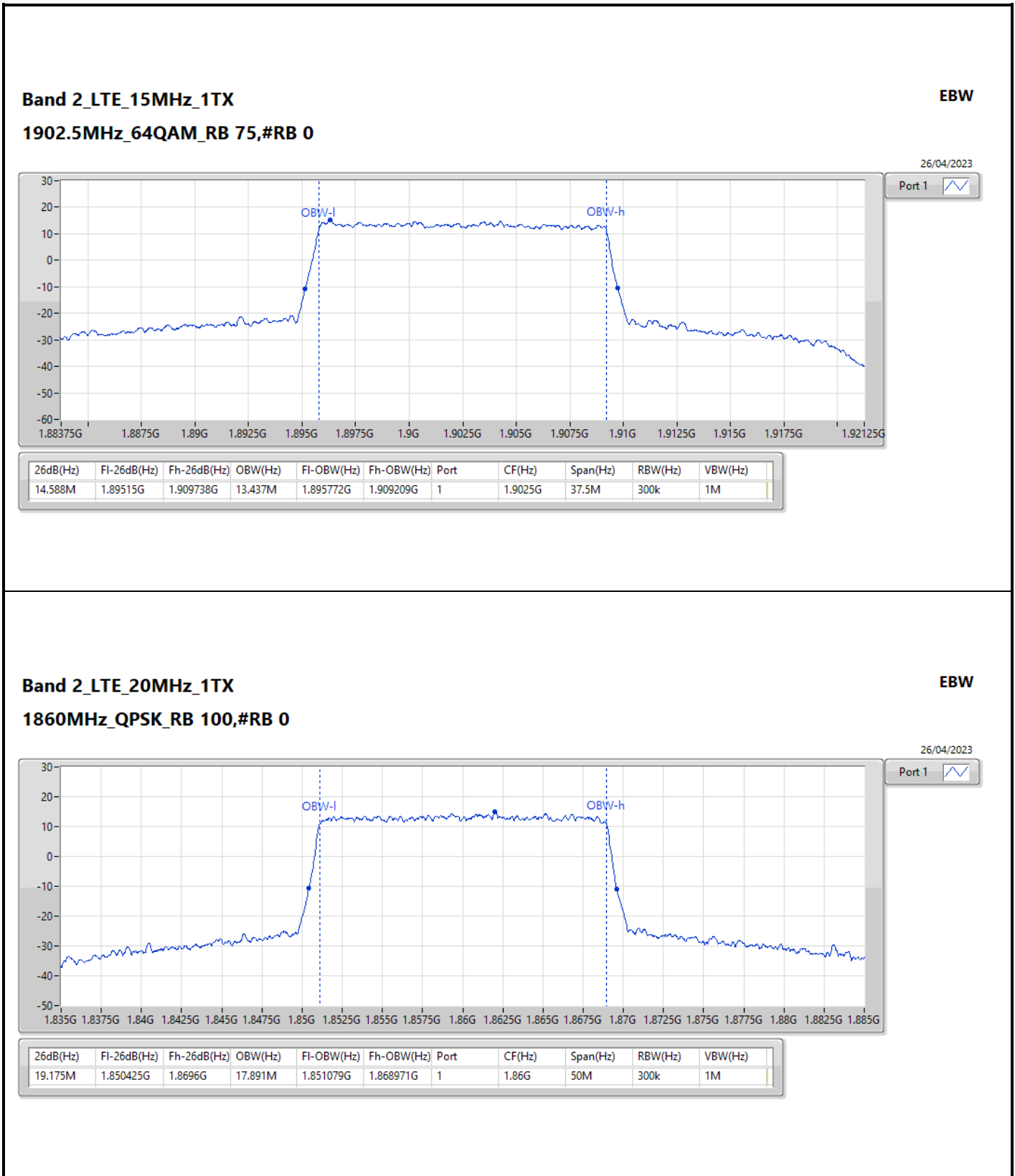


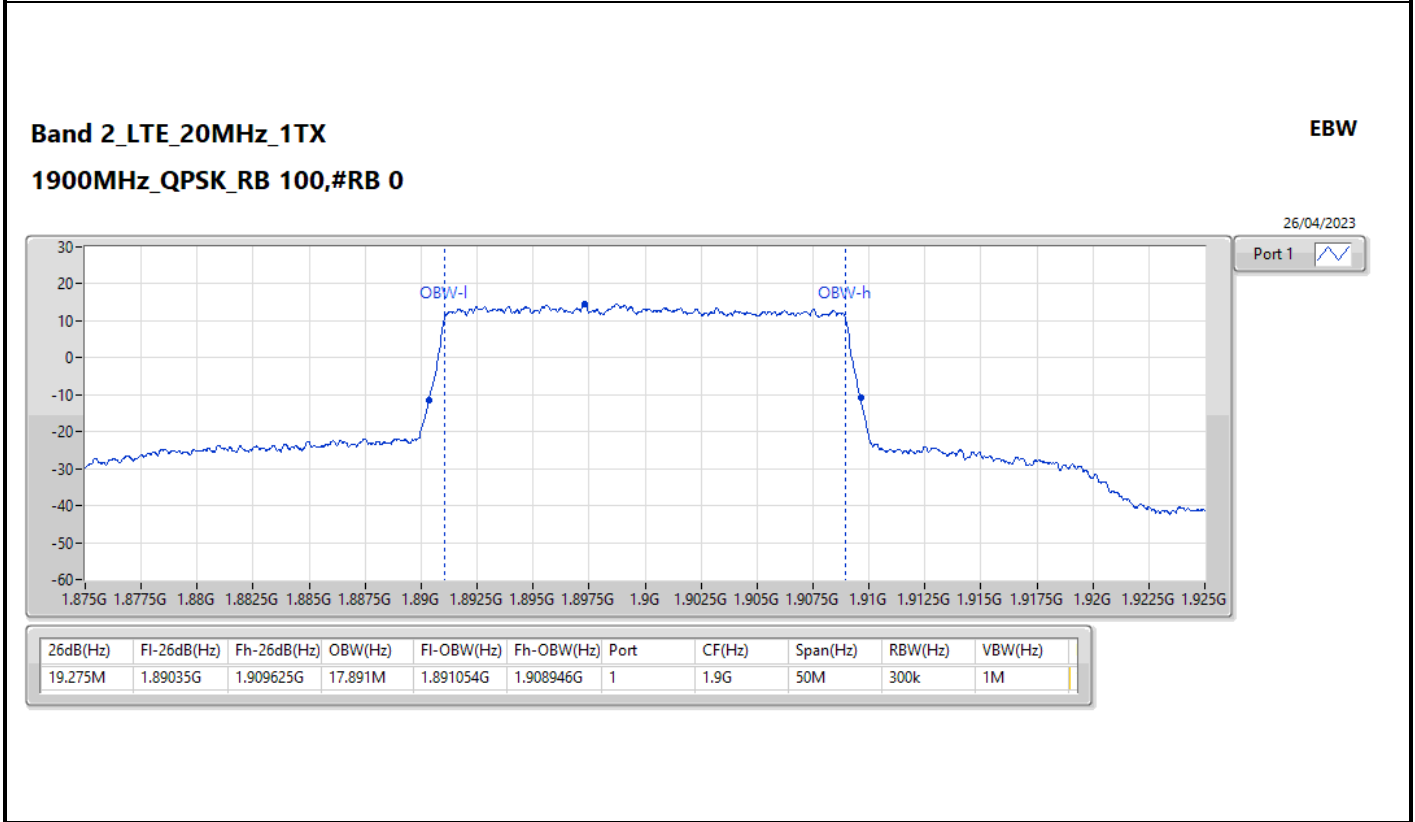
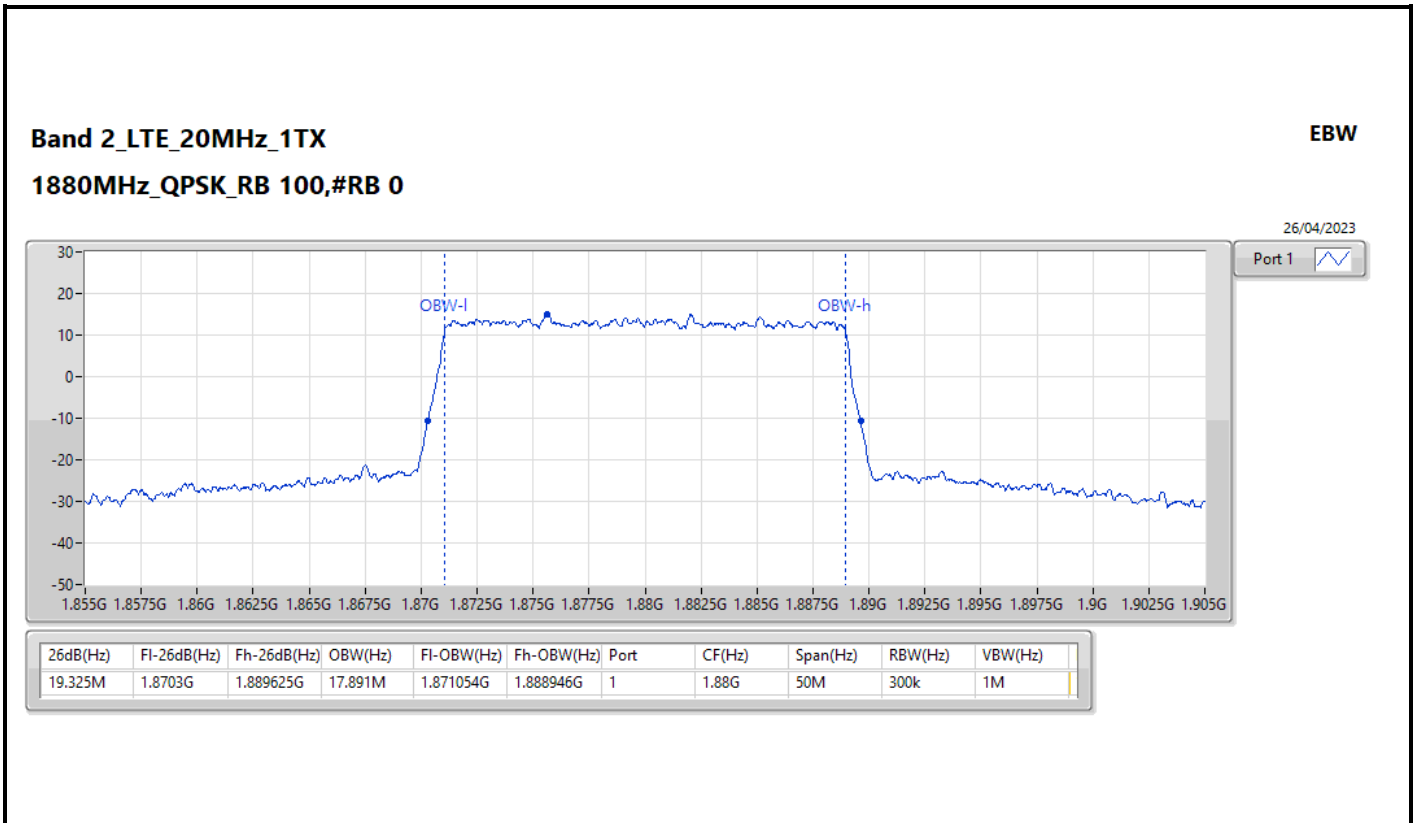


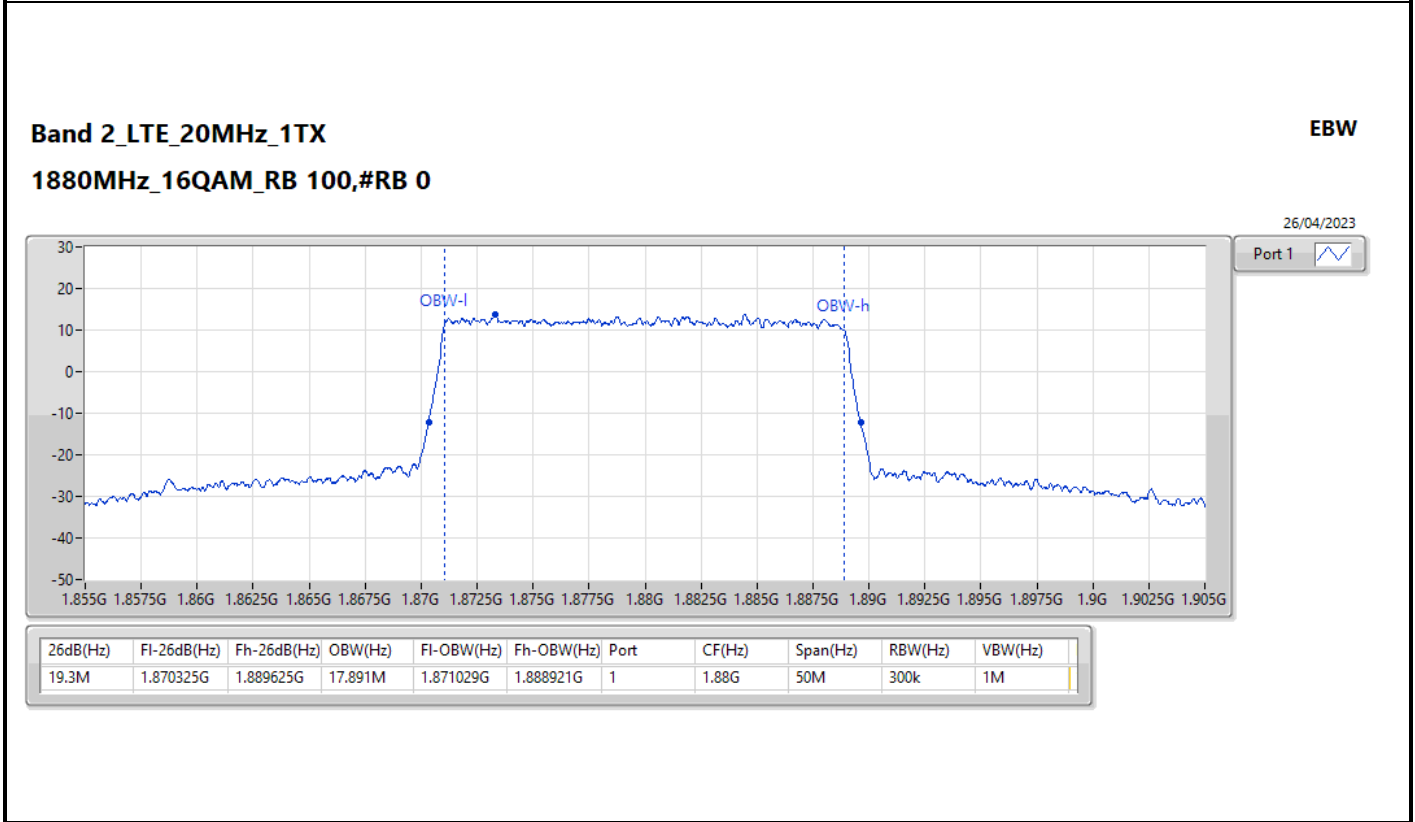
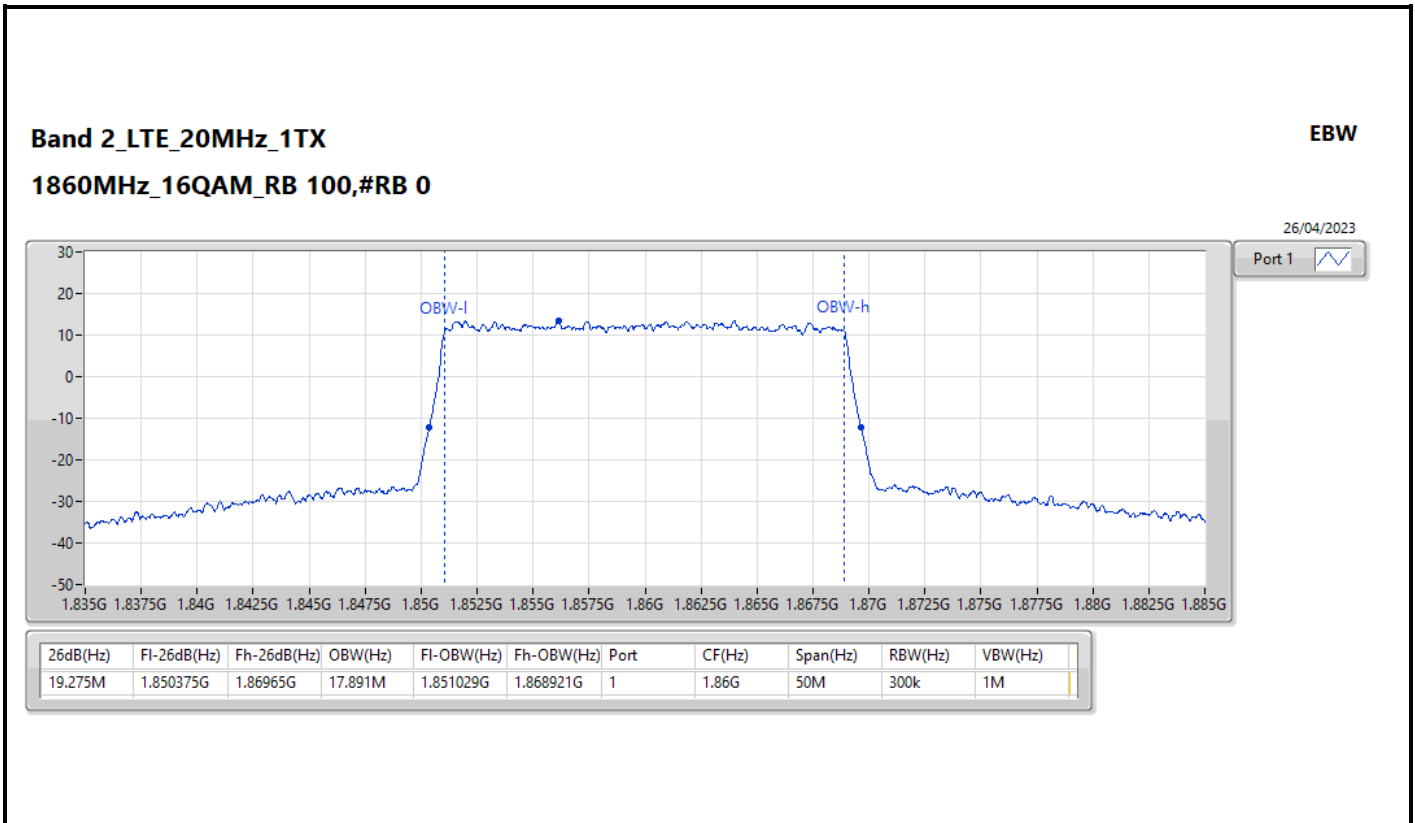


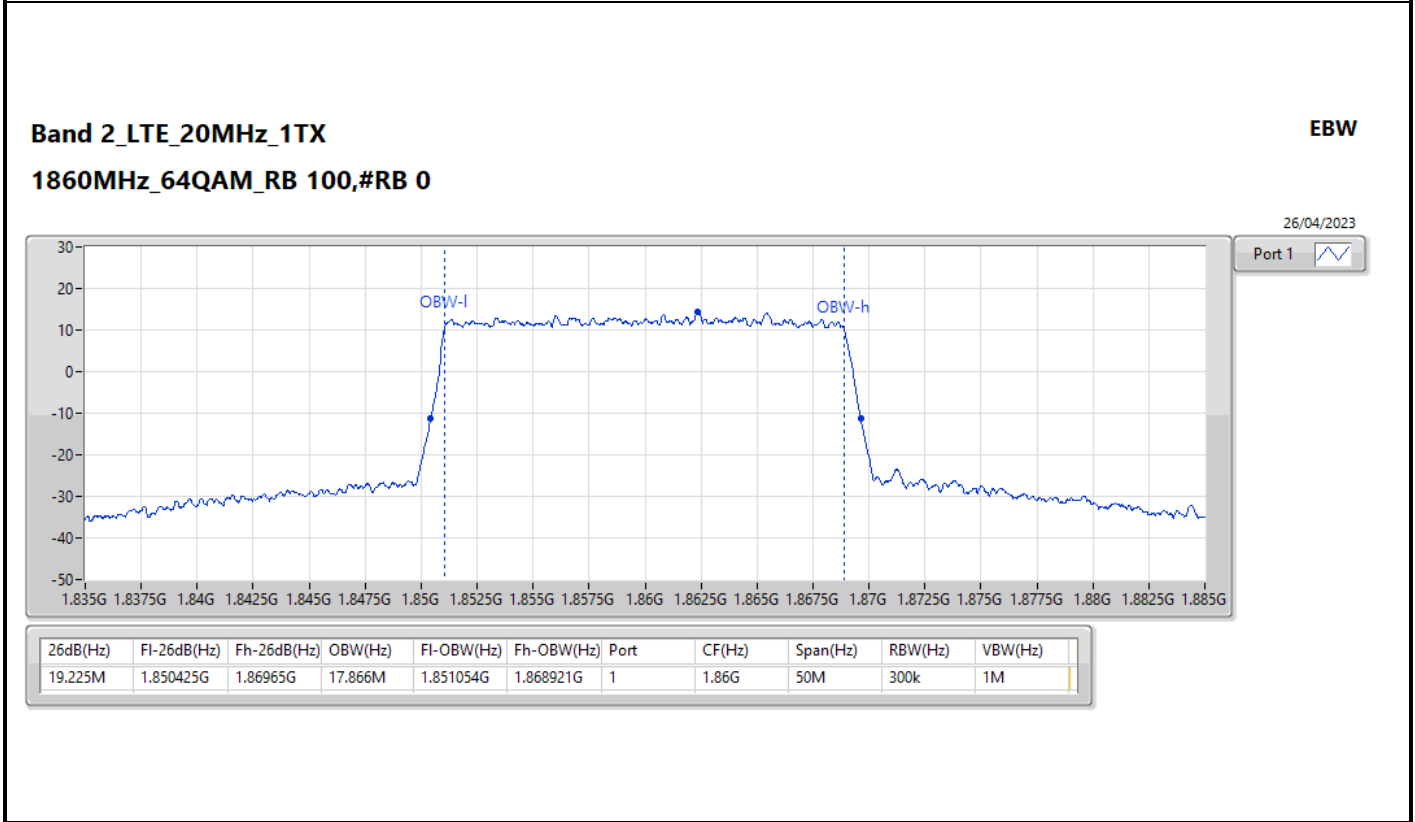
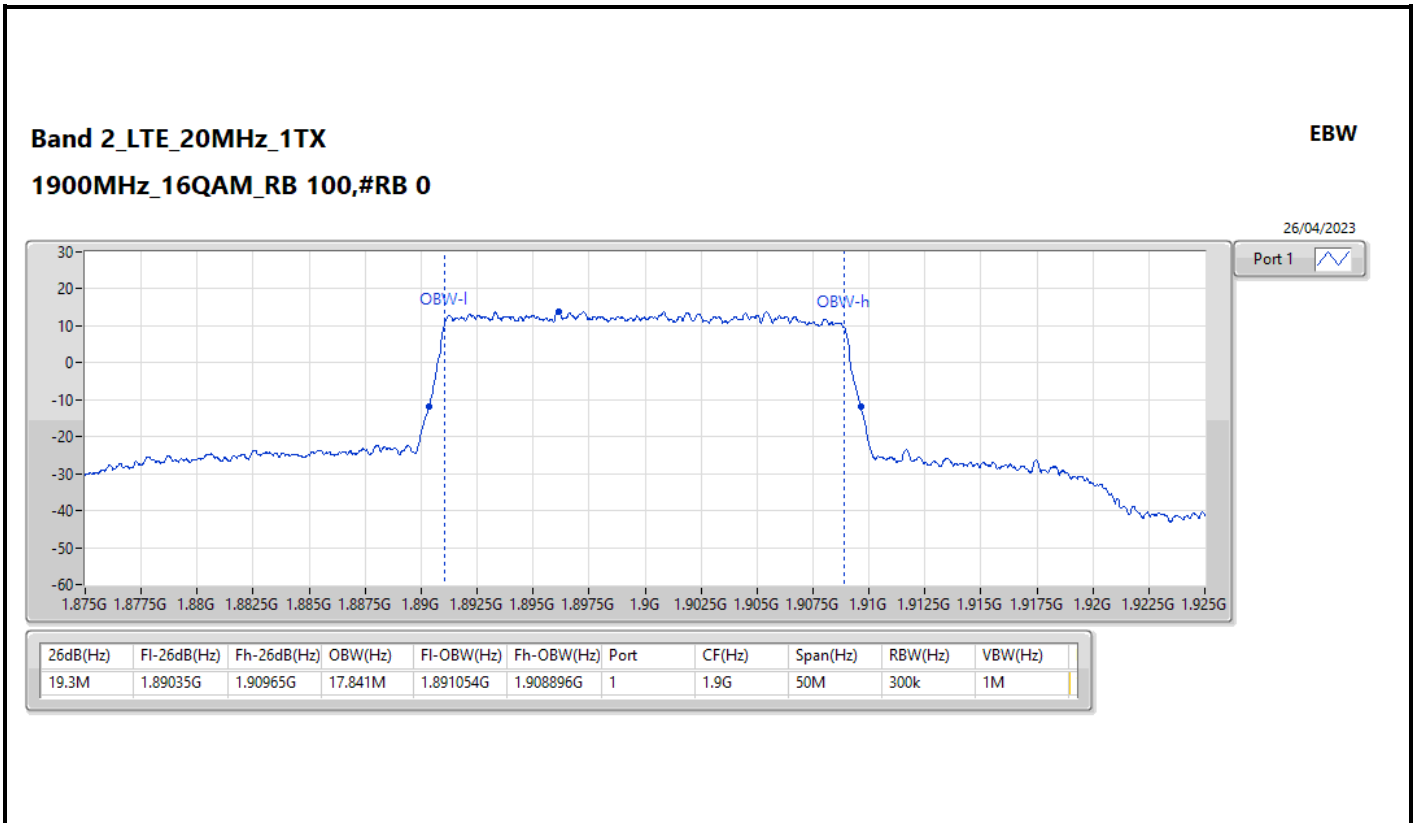


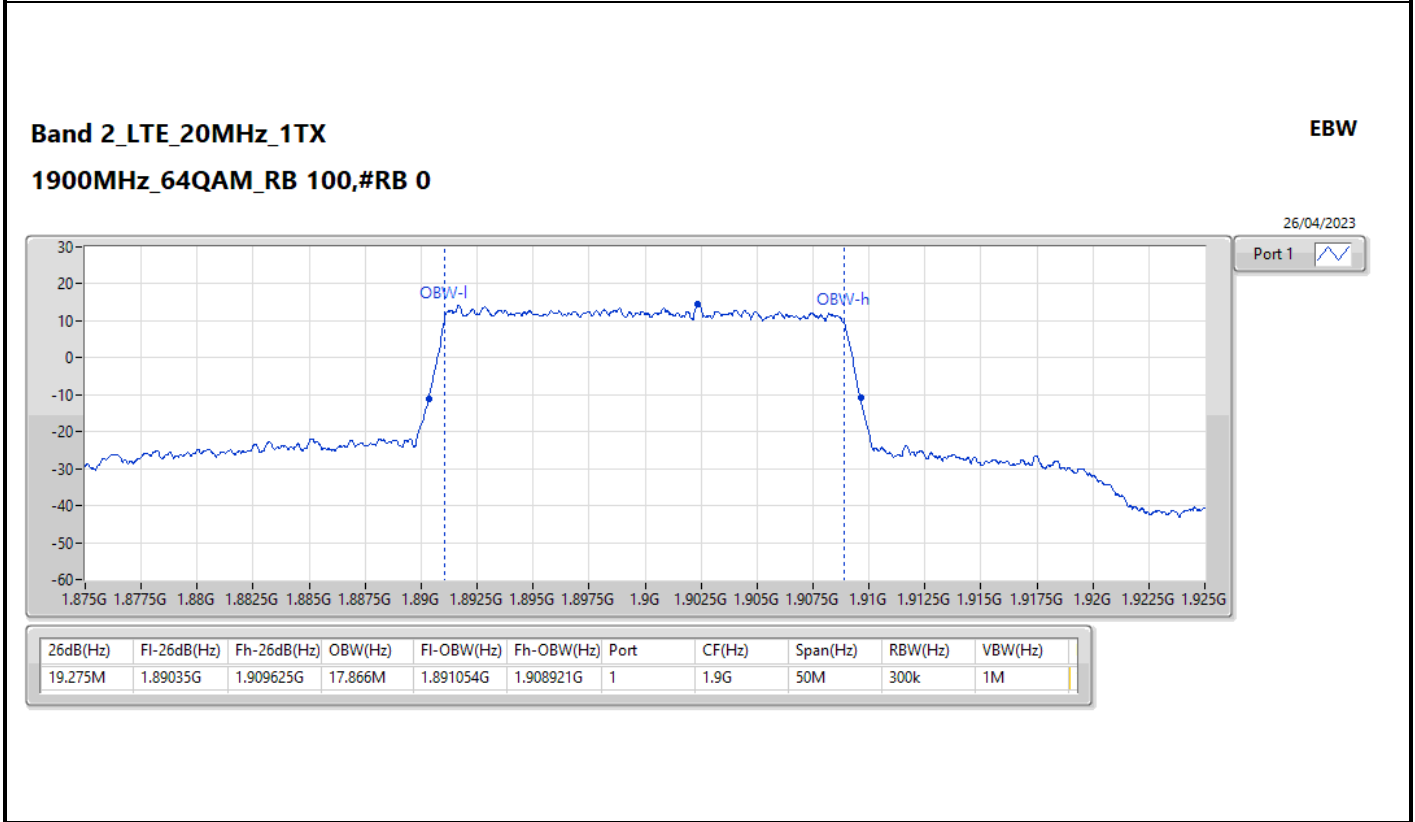
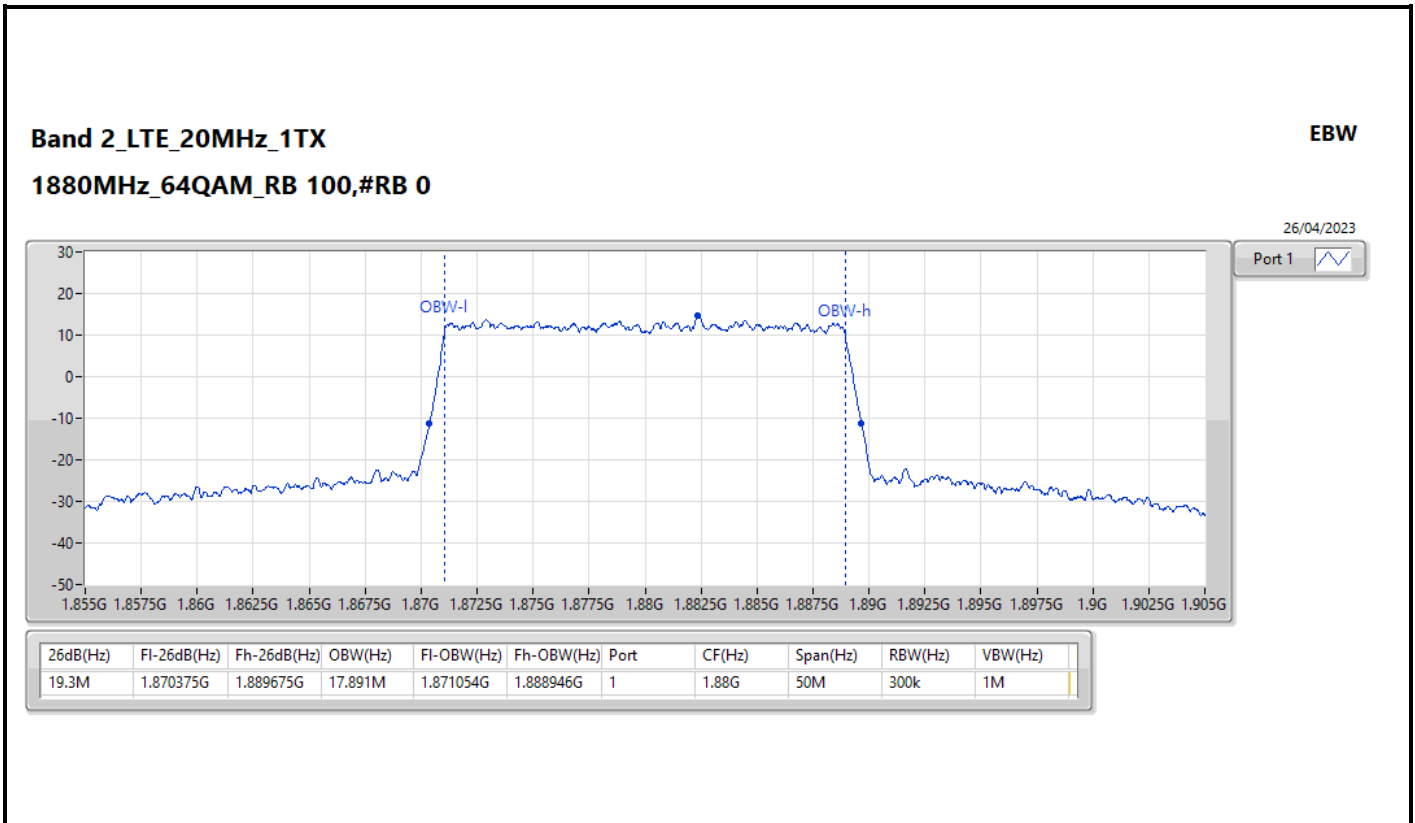














**Summary**

Mode	Max-OBW (Hz)	Max--NdB	ITU-Code	Min-OBW (Hz)	Min--NdB
Band 4	-	-	-	-	-
LTE_1.4MHz_QPSK_1TX	1.194M	1.074M	1M07G7D	1.194M	1.074M
LTE_1.4MHz_16QAM_1TX	1.195M	1.072M	1M07W7D	1.192M	1.072M
LTE_1.4MHz_64QAM_1TX	1.192M	1.074M	1M07W7D	1.192M	1.072M
LTE_3MHz_QPSK_1TX	3.454M	2.942M	2M94G7D	3.428M	2.935M
LTE_3MHz_16QAM_1TX	3.431M	2.927M	2M93W7D	3.424M	2.924M
LTE_3MHz_64QAM_1TX	3.42M	2.935M	2M94W7D	3.401M	2.916M
LTE_5MHz_QPSK_1TX	5.306M	4.666M	4M67G7D	5.281M	4.648M
LTE_5MHz_16QAM_1TX	5.288M	4.648M	4M65W7D	5.281M	4.641M
LTE_5MHz_64QAM_1TX	5.269M	4.648M	4M65W7D	5.256M	4.641M
LTE_10MHz_QPSK_1TX	9.988M	9.095M	9M10G7D	9.925M	9.07M
LTE_10MHz_16QAM_1TX	9.938M	9.033M	9M03W7D	9.888M	9.008M
LTE_10MHz_64QAM_1TX	9.963M	9.045M	9M05W7D	9.913M	9.02M
LTE_15MHz_QPSK_1TX	14.625M	13.493M	13M5G7D	14.606M	13.437M
LTE_15MHz_16QAM_1TX	14.738M	13.456M	13M5W7D	14.663M	13.437M
LTE_15MHz_64QAM_1TX	14.756M	13.475M	13M5W7D	14.588M	13.437M
LTE_20MHz_QPSK_1TX	19.225M	17.891M	17M9G7D	19.2M	17.841M
LTE_20MHz_16QAM_1TX	19.275M	17.916M	17M9W7D	19.225M	17.891M
LTE_20MHz_64QAM_1TX	19.3M	17.866M	17M9W7D	19.15M	17.841M

Max-N dB = Maximum 26dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;  
 Min-N dB = Minimum 26dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Port 1-NdB (Hz)	Port 1-OBW (Hz)	Limit (Hz)
Band 4_LTE_1.4MHz_OPSK_1TX	-	-	-	-
1710.7MHz_RB 6,#RB 0	Pass	1.194M	1.074M	Inf
1732.5MHz_RB 6,#RB 0	Pass	1.194M	1.074M	Inf
1754.3MHz_RB 6,#RB 0	Pass	1.194M	1.074M	Inf
Band 4_LTE_1.4MHz_16QAM_1TX	-	-	-	-
1710.7MHz_RB 6,#RB 0	Pass	1.195M	1.072M	Inf
1732.5MHz_RB 6,#RB 0	Pass	1.192M	1.072M	Inf
1754.3MHz_RB 6,#RB 0	Pass	1.192M	1.072M	Inf
Band 4_LTE_1.4MHz_64QAM_1TX	-	-	-	-
1710.7MHz_RB 6,#RB 0	Pass	1.192M	1.072M	Inf
1732.5MHz_RB 6,#RB 0	Pass	1.192M	1.072M	Inf
1754.3MHz_RB 6,#RB 0	Pass	1.192M	1.074M	Inf
Band 4_LTE_3MHz_OPSK_1TX	-	-	-	-
1711.5MHz_RB 15,#RB 0	Pass	3.435M	2.939M	Inf
1732.5MHz_RB 15,#RB 0	Pass	3.428M	2.935M	Inf
1753.5MHz_RB 15,#RB 0	Pass	3.454M	2.942M	Inf
Band 4_LTE_3MHz_16QAM_1TX	-	-	-	-
1711.5MHz_RB 15,#RB 0	Pass	3.428M	2.927M	Inf
1732.5MHz_RB 15,#RB 0	Pass	3.431M	2.924M	Inf
1753.5MHz_RB 15,#RB 0	Pass	3.424M	2.927M	Inf
Band 4_LTE_3MHz_64QAM_1TX	-	-	-	-
1711.5MHz_RB 15,#RB 0	Pass	3.42M	2.935M	Inf
1732.5MHz_RB 15,#RB 0	Pass	3.401M	2.916M	Inf
1753.5MHz_RB 15,#RB 0	Pass	3.409M	2.92M	Inf
Band 4_LTE_5MHz_OPSK_1TX	-	-	-	-
1712.5MHz_RB 25,#RB 0	Pass	5.306M	4.66M	Inf
1732.5MHz_RB 25,#RB 0	Pass	5.281M	4.648M	Inf
1752.5MHz_RB 25,#RB 0	Pass	5.294M	4.666M	Inf
Band 4_LTE_5MHz_16QAM_1TX	-	-	-	-
1712.5MHz_RB 25,#RB 0	Pass	5.281M	4.641M	Inf
1732.5MHz_RB 25,#RB 0	Pass	5.288M	4.648M	Inf
1752.5MHz_RB 25,#RB 0	Pass	5.281M	4.648M	Inf
Band 4_LTE_5MHz_64QAM_1TX	-	-	-	-
1712.5MHz_RB 25,#RB 0	Pass	5.256M	4.641M	Inf
1732.5MHz_RB 25,#RB 0	Pass	5.269M	4.648M	Inf
1752.5MHz_RB 25,#RB 0	Pass	5.256M	4.648M	Inf
Band 4_LTE_10MHz_OPSK_1TX	-	-	-	-
1715MHz_RB 50,#RB 0	Pass	9.925M	9.07M	Inf
1732.5MHz_RB 50,#RB 0	Pass	9.95M	9.083M	Inf
1750MHz_RB 50,#RB 0	Pass	9.988M	9.095M	Inf
Band 4_LTE_10MHz_16QAM_1TX	-	-	-	-
1715MHz_RB 50,#RB 0	Pass	9.938M	9.033M	Inf
1732.5MHz_RB 50,#RB 0	Pass	9.888M	9.008M	Inf
1750MHz_RB 50,#RB 0	Pass	9.938M	9.02M	Inf
Band 4_LTE_10MHz_64QAM_1TX	-	-	-	-
1715MHz_RB 50,#RB 0	Pass	9.963M	9.033M	Inf
1732.5MHz_RB 50,#RB 0	Pass	9.95M	9.02M	Inf
1750MHz_RB 50,#RB 0	Pass	9.913M	9.045M	Inf
Band 4_LTE_15MHz_OPSK_1TX	-	-	-	-
1717.5MHz_RB 75,#RB 0	Pass	14.625M	13.493M	Inf
1732.5MHz_RB 75,#RB 0	Pass	14.606M	13.437M	Inf
1747.5MHz_RB 75,#RB 0	Pass	14.606M	13.456M	Inf
Band 4_LTE_15MHz_16QAM_1TX	-	-	-	-
1717.5MHz_RB 75,#RB 0	Pass	14.7M	13.437M	Inf
1732.5MHz_RB 75,#RB 0	Pass	14.663M	13.437M	Inf
1747.5MHz_RB 75,#RB 0	Pass	14.738M	13.456M	Inf
Band 4_LTE_15MHz_64QAM_1TX	-	-	-	-
1717.5MHz_RB 75,#RB 0	Pass	14.756M	13.475M	Inf
1732.5MHz_RB 75,#RB 0	Pass	14.588M	13.437M	Inf
1747.5MHz_RB 75,#RB 0	Pass	14.644M	13.456M	Inf
Band 4_LTE_20MHz_OPSK_1TX	-	-	-	-