FCC 47 CFR PART 24 SUBPART E
+
INDUSTRY CANADA RSS-133

TEST REPORT

For

Chiron pro

Model No.: N635

Trade Name: Mitac, Mio, Navman, Magellan

Issued to

FCC:	**Mitac Digital Technology Corporation No.200, Wen Hwa 2nd Rd.,Kuei Shan Dist. Taoyuan, 33383 Taiwan**
IC:	**MiTAC Digital Technology Corporation No.200, Wenhua 2nd Rd., Guishan Dist. Taoyuan City 333 Taiwan**

Issued by

Compliance Certification Services Inc.
Wugu Laboratory
No.11, Wugong 6th Rd., Wugu Dist.,
New Taipei City 24891, Taiwan. (R.O.C.)
Issued Date: January 17, 2020

Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	January 17, 2020	Initial Issue	ALL	Allison Chen

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1. TEST RESULT CERTIFICATION

FCC Applicant:	Mitac Digital Technology Corporation No.200, Wen Hwa 2nd Rd.,Kuei Shan Dist. Taoyuan, 33383 Taiwan
IC Applicant:	MiTAC Digital Technology Corporation No.200, Wenhua 2nd Rd., Guishan Dist. Taoyuan City 333 Taiwan
Manufacturer:	MITAC COMPUTER (KUNSHAN) CO., LTD. No. 269, 2nd Avenue, District A, Comprehensive Free Trade Zone, Kunshan, Jiangsu, P.R. China
Equipment Under Test:	Chiron pro
Trade Name:	Mitac, Mio, Navman, Magellan
Model No.:	N635
Date of Test:	December 6 ~ 19, 2019

APPLICABLE STANDARDS	
STANDARD	**TEST RESULT**
FCC 47 CFR PART 24 SUBPART E + RSS-133 Issue 6	No non-compliance noted
Statements of Conformity	
Determination of compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.	

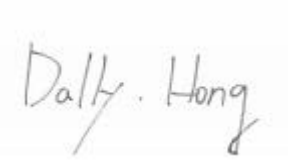
We hereby certify that:

The above equipment was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in TIA -603-E and the energy emitted by the sample EUT tested as described in this report is in compliance with radiated emission limits of FCC Rule FCC PART 24 Subpart E and IC RSS-133 Issue 6.

Approved by:

Kevin Tsai
Deputy Manager
Compliance Certification Services Inc.

Tested by:



Dally Hong
Engineer
Compliance Certification Services Inc.

2. EUT DESCRIPTION

Product	Chiron pro		
Model No.	N635		
Model Discrepancy	Difference of the those trade names (list on this report) are just for marketing purpose only.		
Trade	Mitac, Mio, Navman, Magellan		
Received Date	November 5, 2019		
Power Supply	1. Power from Rechargeable Li-ion Polymer Battery. Rating: 3.7VDC, 4000mAh, 14.8Wh 2. Power from Adapter. I/P: 100-240VAC, 50/60Hz, 0.5A O/P: 5.0VDC, 2A		
Frequency Range	LTE Band 25 Channel Bandwidth: 1.4MHz	1850.7 MHz ~1914.3 MHz	
	LTE Band 25 Channel Bandwidth: 3MHz	1851.5 MHz ~ 1913.5 MHz	
	LTE Band 25 Channel Bandwidth: 5MHz	1852.5 MHz ~1912.5 MHz	
	LTE Band 25 Channel Bandwidth: 10MHz	1855.0 MHz ~1910.0 MHz	
	LTE Band 25 Channel Bandwidth: 15MHz	1857.5 MHz ~ 1907.5 MHz	
	LTE Band 25 Channel Bandwidth: 20MHz	1860.0 MHz ~1905.0 MHz	
Modulation Technique	LTE Band 25	QPSK, 16QAM	
Antenna Specification	Antenna type: Integral Band 25: 2.92 dBi		
Transmit Power (EIRP Power)	LTE Band 25 Channel Bandwidth: 1.4MHz	QPSK: 22.81 dBm 16QAM: 22.04 dBm	
	LTE Band 25 Channel Bandwidth: 3MHz	QPSK: 23.00 dBm 16QAM: 22.13 dBm	
	LTE Band 25 Channel Bandwidth: 5MHz	QPSK: 23.06 dBm 16QAM: 22.28 dBm	
	LTE Band 25 Channel Bandwidth: 10MHz	QPSK: 23.29 dBm 16QAM: 22.43 dBm	
	LTE Band 25 Channel Bandwidth: 15MHz	QPSK: 23.34 dBm 16QAM: 22.56 dBm	
	LTE Band 25 Channel Bandwidth: 20MHz	QPSK: 23.49 dBm 16QAM: 22.69 dBm	

Remark: *The sample selected for test was engineering sample that approximated to production product and was provided by manufacturer.*

3. TEST METHODOLOGY

Both conducted and radiated testing were performed according to TIA -603-E, FCC CFR 47, Part 2 and Part 24 Subpart E.

The tests documented in this report were performed in accordance with IC RSS-133, SPSR510 and ANSI C63.26: 2015.

3.1 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

3.2 DESCRIPTION OF TEST MODES

The EUT (Model: N635) had been tested under operating condition.
The EUT be set in maximum power transmission via call box during testing.

LTE Band 25: 1850 MHz ~ 1915MHz
Three channels had been tested for each channel bandwidth.

Channel Bandwidth	1.4MHz		3MHz		5MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low channel (L)	26047	1850.7	26055	1851.5	26065	1852.5
Middle channel (M)	26365	1882.5	26365	1882.5	26365	1882.5
High channel (H)	26683	1914.3	26675	1913.5	26665	1912.5

Channel Bandwidth	10MHz		15MHz		20MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low channel (L)	26090	1855.0	26115	1857.5	26140	1860.0
Middle channel (M)	26365	1882.5	26365	1882.5	26365	1882.5
High channel (H)	26640	1910.0	26615	1907.5	26590	1905.0

3.2.1 The worst mode of measurement

Radiated Emission Measurement	
Test Condition	**Band edge, Emission for Unwanted and Fundamental**
Power supply Mode	**Mode1: EUT Power by Battery (DC 3V)** **Mode2: EUT Power by Adapter + Type C USB** **Mode3: EUT Power by Type C USB+ CarCharge (DC12V)** **Mode4: EUT Power by Cradle(N564)+Micro USB+Adapter** **Mode5: EUT Power by Cradle(N564)+Micro USB+ CarCharge (DC12V)** **Mode6: EUT Power by Cradle(N564) + Cable(DC 12V)** **Mode7: EUT Power by Cradle(N564_TN)+Micro USB+Adapter** **Mode8: EUT Power by Cradle(N564_TN)+Micro USB+ CarCharge (DC12V)** **Mode9: EUT Power by Cradle(N564_TN) + Cable(DC 12V)** **Mode10: EUT Power by Cradle(N635_V)+Micro USB+Adapter** **Mode11: EUT Power by Cradle(N635_V)+Micro USB+ CarCharge (DC12V)** **Mode12: EUT Power by Cradle(N635_V) + Cable(DC 12V)** **Mode13: EUT Power by Cradle(N635_VL)+Micro USB+Adapter** **Mode14: EUT Power by Cradle(N635_VL)+Micro USB+ CarCharge (DC12V)** **Mode15: EUT Power by Cradle(N635_VL) + Cable(DC 12V)** **Mode16: EUT Power by Cradle(N635_VHG) + Cable(DC 12V)**
Worst Mode	☒ **Mode 1** ☐ **Mode 2** ☐ **Mode 3** ☐ **Mode 4**
Worst Position	☐ **Placed in fixed position.** ☐ **Placed in fixed position at X-Plane (E2-Plane)** ☐ **Placed in fixed position at Y-Plane (E1-Plane)** ☒ **Placed in fixed position at Z-Plane (H-Plane)**

Radiated Emission Measurement Below 1G	
Test Condition	**Radiated Emission Below 1G**
Power supply Mode	**Mode1: EUT Power by Battery (DC 3V)** **Mode2: EUT Power by Adapter + Type C USB** **Mode3: EUT Power by Type C USB+ CarCharge (DC12V)** **Mode4: EUT Power by Cradle(N564)+Micro USB+Adapter** **Mode5: EUT Power by Cradle(N564)+Micro USB+ CarCharge (DC12V)** **Mode6: EUT Power by Cradle(N564) + Cable(DC 12V)** **Mode7: EUT Power by Cradle(N564_TN)+Micro USB+Adapter** **Mode8: EUT Power by Cradle(N564_TN)+Micro USB+ CarCharge (DC12V)** **Mode9: EUT Power by Cradle(N564_TN) + Cable(DC 12V)** **Mode10: EUT Power by Cradle(N635_V)+Micro USB+Adapter** **Mode11: EUT Power by Cradle(N635_V)+Micro USB+ CarCharge (DC12V)** **Mode12: EUT Power by Cradle(N635_V) + Cable(DC 12V)** **Mode13: EUT Power by Cradle(N635_VL)+Micro USB+Adapter** **Mode14: EUT Power by Cradle(N635_VL)+Micro USB+ CarCharge (DC12V)** **Mode15: EUT Power by Cradle(N635_VL) + Cable(DC 12V)** **Mode16: EUT Power by Cradle(N635_VHG) + Cable(DC 12V)**
Worst Mode	☒ **Mode 1** ☐ **Mode 2** ☐ **Mode 3** ☐ **Mode 4**

Remark:

1. The worst mode was record in this test report.

2. EUT pre-scanned in three axis ,X,Y, Z and two polarity, for radiated measurement. The worst case(Z-Plane) were recorded in this report

4. TEST SUMMARY

FCC Standard Sec.	IC Standard Sec.	Report Section	Test Item	Result
-	-	2	Antenna Requirement	Pass
24.232(c)	RSS-133, section 6.4	8.1	EIRP Measurement	Pass
2.1055, 24.235	RSS-133 section 6.3	8.2	Frequency Stability v.s. temperature measurement	Pass
2.1049	RSS-GEN 6.7	8.3	Occupied Bandwidth Measurement	Pass
24.232(d)	RSS-133, section 6.4	8.4	Peak to Average Ratio	Pass
24.238(a)	RSS-133 section 6.5	8.5	Conducted Band Edge	Pass
24.238(a)	RSS-133 section 6.5	8.6	Conducted Spurious Emission	Pass
24.238(a)	RSS-133 section 6.5	8.7	Spurious Radiation Measurement	Pass

5. INSTRUMENT CALIBRATION

5.1 MEASURING INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

5.2 MEASUREMENT EQUIPMENT USED

Equipment Used for Emissions Measurement

Remark: *Each piece of equipment is scheduled for calibration once a year.*

RF Conducted Test Site					
Equipment	**Manufacturer**	**Model**	**S/N**	**Cal Date**	**Cal Due**
Coaxial Cable	Woken	WC12	CC003	06/28/2019	06/27/2020
Power Divider	Solvang Technology	STI08-0015	008	08/06/2019	08/05/2020
Signal Analyzer	R&S	FSV 40	101073	09/25/2019	09/24/2020
Wideband Radio Communication Tester	R&S	CMW 500	116875	07/29/2019	07/28/2020
Software	N/A				

3M 966 Chamber Test Site					
Equipment	**Manufacturer**	**Model**	**S/N**	**Cal Date**	**Cal Due**
Band Reject Filters	MICRO TRONICS	BRM 50702	120	02/26/2019	02/25/2020
Bilog Antenna	Sunol Sciences	JB3	A030105	07/26/2019	07/25/2020
Coaxial Cable	HUBER SUHNER	SUCOFLEX 104PEA	20995	02/26/2019	02/25/2020
Coaxial Cable	EMCI	EMC105	190914+25111	09/20/2019	09/19/2020
Digital Thermo-Hygro Meter	WISEWIND	1206	D07	01/30/2019	01/29/2020
double Ridged Guide Horn Antenna	ETC	MCTD 1209	DRH13M02003	10/04/2019	10/03/2020
Loop Ant	COM-POWER	AL-130	121051	03/22/2019	03/21/2020
Pre-Amplifier	EMEC	EM330	060609	02/26/2019	02/25/2020
Pre-Amplifier	HP	8449B	3008A00965	02/26/2019	02/25/2020
Wideband Radio Communication Tester	R&S	CMW 500	116875	07/29/2019	07/28/2020
PSA Series Spectrum Analyzer	Agilent	E4446A	MY46180323	05/29/2019	05/28/2020
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R
Software	e3 6.11-20180413				

5.3 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
AC Powerline Conducted Emission	+/- 1.2575
Emission bandwidth, 20dB bandwidth	+/- 0.0014
RF output power, conducted	+/- 1.14
Power density, conducted	+/- 1.40
3M Semi Anechoic Chamber / 30M~200M	+/- 4.12
3M Semi Anechoic Chamber / 200M~1000M	+/- 4.68
3M Semi Anechoic Chamber / 1G~8G	+/- 5.18
3M Semi Anechoic Chamber / 8G~18G	+/- 5.47
3M Semi Anechoic Chamber / 18G~26G	+/- 3.81
3M Semi Anechoic Chamber / 26G~40G	+/- 3.87

***Remark**: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.*

6. FACILITIES AND ACCREDITATIONS

6.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

☐ No.199, Chunghsen Road, Hsintien City, Taipei Hsien, Taiwan, R.O.C.
Tel: 886-2-2217-0894 / Fax: 886-2-2217-1029

☒ No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan. (R.O.C.)
Tel: 886-2-2299-9720 / Fax: 886-2-2298-4045

☐ No.81-1, Lane 210, Bade 2nd Rd., Lujhu Township, Taoyuan County 33841, TAIWAN, R.O.C.
Tel: 886-3-324-0332 / Fax: 886-3-324-5235

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10: 2013 and CISPR Publication 22.

6.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, “Radio Interference Measuring Apparatus and Measurement Methods.”

6.3 LABORATORY ACCREDITATIONS AND LISTING

The test facilities used to perform radiated and conducted emissions tests are accredited by American Association for Laboratory Accreditation Program for the specific scope accreditation under Lab Code: 0824-01 to perform Electromagnetic Interference tests according to FCC Part 15 and CISPR 22 requirements. In addition, the test facilities are listed with Industry Canada, Certification and Engineering Bureau, IC 2324G-1 for 3M Semi Anechoic Chamber A, 2324G-2 for 3M Semi Anechoic Chamber B.

7. SETUP OF EQUIPMENT UNDER TEST

7.1 SETUP CONFIGURATION OF EUT

See test photographs attached in Appendix II for the actual connections between EUT and support equipment.

7.2 SUPPORT EQUIPMENT

No	Equipment	Brand	Model	Series No.	FCC ID
	N/A				

Remark:

1. *All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.*
2. *Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.*

8. FCC PART 24 REQUIREMENTS & INDUSTRY CANADA RSS-133

8.1 EIRP MEASUREMENT

LIMIT

According to FCC §2.1046

FCC 24.232(b):

The equivalent Isotropic Radiated Power (EIRP) must not exceed 2 Watts.

According to RSS-133, section 6.4

The equivalent isotropically radiated power (e.i.r.p.) for transmitters shall not exceed the limits given in SRSP-510. Moreover, base station transmitters operating in the band 1930-1995 MHz shall not have output power exceeding 2 watts.

TEST PROCEDURES

CONDUCTED POWER MEASUREMENT:

1. The transmitter output power was connected to the call box.
2. Set EUT at maximum output power via call box.
3. Set Call box at lowest, middle and highest channels for each band and modulation.

TEST RESULTS

No non-compliance noted.

LTE Band 25

BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	EIRP (dBm)
20	QPSK	1 RB	0	1860	26140	22.65	23.42
				1882.5	26365	**22.72**	23.49
				1905	26590	22.66	23.43
			50	1860	26140	22.13	22.9
				1882.5	26365	22.24	23.01
				1905	26590	22.43	23.2
			99	1860	26140	22.24	23.01
				1882.5	26365	22.26	23.03
				1905	26590	22.56	23.33
		50 RB	0	1860	26140	21.36	22.13
				1882.5	26365	21.27	22.04
				1905	26590	**21.65**	22.42
			25	1860	26140	21.23	22
				1882.5	26365	21.21	21.98
				1905	26590	21.48	22.25
			50	1860	26140	21.27	22.04
				1882.5	26365	21.27	22.04
				1905	26590	21.58	22.35
		100RB		1860	26140	21.43	22.2
				1882.5	26365	21.34	22.11
				1905	26590	**21.71**	22.48
20	16-QAM	1 RB	0	1860	26140	21.92	22.69
				1882.5	26365	21.91	22.68
				1905	26590	21.92	22.69
			50	1860	26140	21.53	22.3
				1882.5	26365	21.46	22.23
				1905	26590	21.68	22.45
			99	1860	26140	21.59	22.36
				1882.5	26365	21.5	22.27
				1905	26590	21.6	22.37
		50 RB	0	1860	26140	20.29	21.06
				1882.5	26365	20.25	21.02
				1905	26590	20.61	21.38
			25	1860	26140	20.32	21.09
				1882.5	26365	20.27	21.04
				1905	26590	20.47	21.24
			50	1860	26140	20.32	21.09
				1882.5	26365	20.26	21.03
				1905	26590	20.65	21.42
		100RB		1860	26140	20.41	21.18
				1882.5	26365	20.33	21.1
				1905	26590	20.65	21.42

20	64-QAM	1 RB	0	1860	26140	20.83	21.6
				1882.5	26365	20.9	21.67
				1905	26590	20.95	21.72
			50	1860	26140	20.36	21.13
				1882.5	26365	20.37	21.14
				1905	26590	20.67	21.44
			99	1860	26140	20.49	21.26
				1882.5	26365	20.41	21.18
				1905	26590	20.57	21.34
		50 RB	0	1860	26140	19.34	20.11
				1882.5	26365	19.24	20.01
				1905	26590	19.58	20.35
			25	1860	26140	19.28	20.05
				1882.5	26365	19.23	20
				1905	26590	19.45	20.22
			50	1860	26140	19.28	20.05
				1882.5	26365	19.24	20.01
				1905	26590	19.63	20.4
		100RB		1860	26140	19.41	20.18
				1882.5	26365	19.32	20.09
				1905	26590	19.66	20.43

BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	ERP (dBm)
15	QPSK	1 RB	0	1857.5	26115	22.57	23.34
				1882.5	26365	22.49	23.26
				1907.5	26615	22.53	23.3
			36	1857.5	26115	21.93	22.7
				1882.5	26365	22.11	22.88
				1907.5	26615	22.34	23.11
			74	1857.5	26115	22.03	22.8
				1882.5	26365	22.09	22.86
				1907.5	26615	22.33	23.1
		36 RB	0	1857.5	26115	21.18	21.95
				1882.5	26365	21.06	21.83
				1907.5	26615	21.55	22.32
			18	1857.5	26115	21.16	21.93
				1882.5	26365	21.05	21.82
				1907.5	26615	21.29	22.06
			37	1857.5	26115	21.15	21.92
				1882.5	26365	21.22	21.99
				1907.5	26615	21.34	22.11
		75RB		1857.5	26115	21.27	22.04
				1882.5	26365	21.20	21.97
				1907.5	26615	21.51	22.28
15	16-QAM	1 RB	0	1857.5	26115	21.79	22.56
				1882.5	26365	21.67	22.44
				1907.5	26615	21.71	22.48
			36	1857.5	26115	21.40	22.17
				1882.5	26365	21.30	22.07
				1907.5	26615	21.50	22.27
			74	1857.5	26115	21.39	22.16
				1882.5	26365	21.33	22.1
				1907.5	26615	21.38	22.15
		36 RB	0	1857.5	26115	20.17	20.94
				1882.5	26365	20.06	20.83
				1907.5	26615	20.56	21.33
			18	1857.5	26115	20.18	20.95
				1882.5	26365	20.17	20.94
				1907.5	26615	20.29	21.06
			37	1857.5	26115	20.17	20.94
				1882.5	26365	20.16	20.93
				1907.5	26615	20.52	21.29
		75RB		1857.5	26115	20.23	21
				1882.5	26365	20.25	21.02
				1907.5	26615	20.57	21.34

15	64-QAM	1 RB	0	1857.5	26115	20.75	21.52
				1882.5	26365	20.84	21.61
				1907.5	26615	20.75	21.52
			36	1857.5	26115	20.13	20.9
				1882.5	26365	20.17	20.94
				1907.5	26615	20.44	21.21
			74	1857.5	26115	20.41	21.18
				1882.5	26365	20.25	21.02
				1907.5	26615	20.45	21.22
		36 RB	0	1857.5	26115	19.27	20.04
				1882.5	26365	19.10	19.87
				1907.5	26615	19.46	20.23
			18	1857.5	26115	19.09	19.86
				1882.5	26365	19.00	19.77
				1907.5	26615	19.30	20.07
			37	1857.5	26115	19.06	19.83
				1882.5	26365	19.07	19.84
				1907.5	26615	19.50	20.27
		75RB		1857.5	26115	19.36	20.13
				1882.5	26365	19.11	19.88
				1907.5	26615	19.58	20.35

BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	ERP (dBm)
10	QPSK	1 RB	0	1855	26090	22.52	23.29
				1882.5	26365	22.28	23.05
				1910	26640	22.41	23.18
			25	1855	26090	21.71	22.48
				1882.5	26365	22.02	22.79
				1910	26640	22.19	22.96
			49	1855	26090	21.87	22.64
				1882.5	26365	21.99	22.76
				1910	26640	22.27	23.04
		25 RB	0	1855	26090	21.05	21.82
				1882.5	26365	20.96	21.73
				1910	26640	21.35	22.12
			12	1855	26090	21.06	21.83
				1882.5	26365	20.85	21.62
				1910	26640	21.15	21.92
			25	1855	26090	21.10	21.87
				1882.5	26365	21.07	21.84
				1910	26640	21.11	21.88
		50RB		1855	26090	21.14	21.91
				1882.5	26365	21.10	21.87
				1910	26640	21.27	22.04
10	16-QAM	1 RB	0	1855	26090	21.60	22.37
				1882.5	26365	21.61	22.38
				1910	26640	21.66	22.43
			25	1855	26090	21.30	22.07
				1882.5	26365	21.19	21.96
				1910	26640	21.39	22.16
			49	1855	26090	21.32	22.09
				1882.5	26365	21.13	21.9
				1910	26640	21.24	22.01
		25 RB	0	1855	26090	20.02	20.79
				1882.5	26365	19.93	20.7
				1910	26640	20.45	21.22
			12	1855	26090	20.01	20.78
				1882.5	26365	20.00	20.77
				1910	26640	20.18	20.95
			25	1855	26090	20.00	20.77
				1882.5	26365	20.03	20.8
				1910	26640	20.37	21.14
		50RB		1855	26090	20.06	20.83
				1882.5	26365	20.16	20.93
				1910	26640	20.52	21.29

10	64-QAM	1 RB	0	1855	26090	20.59	21.36
				1882.5	26365	20.71	21.48
				1910	26640	20.53	21.3
			25	1855	26090	19.98	20.75
				1882.5	26365	19.93	20.7
				1910	26640	20.23	21
			49	1855	26090	20.29	21.06
				1882.5	26365	20.08	20.85
				1910	26640	20.33	21.1
		25 RB	0	1855	26090	19.17	19.94
				1882.5	26365	18.92	19.69
				1910	26640	19.40	20.17
			12	1855	26090	18.91	19.68
				1882.5	26365	18.87	19.64
				1910	26640	19.20	19.97
			25	1855	26090	18.95	19.72
				1882.5	26365	18.98	19.75
				1910	26640	19.26	20.03
		50RB		1855	26090	19.18	19.95
				1882.5	26365	19.04	19.81
				1910	26640	19.50	20.27

BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	ERP (dBm)
5	QPSK	1 RB	0	1852.5	26065	22.29	23.06
				1882.5	26365	22.09	22.86
				1912.5	26665	22.20	22.97
			12	1852.5	26065	21.60	22.37
				1882.5	26365	21.83	22.6
				1912.5	26665	22.02	22.79
			24	1852.5	26065	21.79	22.56
				1882.5	26365	21.90	22.67
				1912.5	26665	22.21	22.98
		12 RB	0	1852.5	26065	20.86	21.63
				1882.5	26365	20.82	21.59
				1912.5	26665	21.24	22.01
			6	1852.5	26065	20.93	21.7
				1882.5	26365	20.66	21.43
				1912.5	26665	21.08	21.85
			13	1852.5	26065	20.98	21.75
				1882.5	26365	20.84	21.61
				1912.5	26665	20.90	21.67
		25RB		1852.5	26065	21.08	21.85
				1882.5	26365	21.00	21.77
				1912.5	26665	21.16	21.93
5	16-QAM	1 RB	0	1852.5	26065	21.46	22.23
				1882.5	26365	21.50	22.27
				1912.5	26665	21.51	22.28
			12	1852.5	26065	21.17	21.94
				1882.5	26365	21.07	21.84
				1912.5	26665	21.25	22.02
			24	1852.5	26065	21.12	21.89
				1882.5	26365	21.05	21.82
				1912.5	26665	21.01	21.78
		12 RB	0	1852.5	26065	19.89	20.66
				1882.5	26365	19.78	20.55
				1912.5	26665	20.34	21.11
			6	1852.5	26065	19.83	20.6
				1882.5	26365	19.80	20.57
				1912.5	26665	19.97	20.74
			13	1852.5	26065	19.80	20.57
				1882.5	26365	19.95	20.72
				1912.5	26665	20.21	20.98
		25RB		1852.5	26065	20.00	20.77
				1882.5	26365	19.95	20.72
				1912.5	26665	20.40	21.17

5	64-QAM	1 RB	0	1852.5	26065	20.43	21.2
				1882.5	26365	20.53	21.3
				1912.5	26665	20.41	21.18
			12	1852.5	26065	19.93	20.7
				1882.5	26365	19.76	20.53
				1912.5	26665	20.01	20.78
			24	1852.5	26065	20.18	20.95
				1882.5	26365	19.86	20.63
				1912.5	26665	20.15	20.92
		12 RB	0	1852.5	26065	19.03	19.8
				1882.5	26365	18.78	19.55
				1912.5	26665	19.35	20.12
			6	1852.5	26065	18.80	19.57
				1882.5	26365	18.79	19.56
				1912.5	26665	19.14	19.91
			13	1852.5	26065	18.80	19.57
				1882.5	26365	18.84	19.61
				1912.5	26665	19.13	19.9
		25RB		1852.5	26065	19.10	19.87
				1882.5	26365	18.83	19.6
				1912.5	26665	19.38	20.15

BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	ERP (dBm)
3	QPSK	1 RB	0	1851.5	26055	22.23	23
				1882.5	26365	22.03	22.8
				1913.5	26675	21.97	22.74
			7	1851.5	26055	21.49	22.26
				1882.5	26365	21.78	22.55
				1913.5	26675	21.93	22.7
			14	1851.5	26055	21.55	22.32
				1882.5	26365	21.71	22.48
				1913.5	26675	22.00	22.77
		8 RB	0	1851.5	26055	20.70	21.47
				1882.5	26365	20.72	21.49
				1913.5	26675	21.14	21.91
			4	1851.5	26055	20.87	21.64
				1882.5	26365	20.51	21.28
				1913.5	26675	20.90	21.67
			7	1851.5	26055	20.82	21.59
				1882.5	26365	20.64	21.41
				1913.5	26675	20.80	21.57
		15RB		1851.5	26055	21.02	21.79
				1882.5	26365	20.81	21.58
				1913.5	26675	21.02	21.79
3	16-QAM	1 RB	0	1851.5	26055	21.33	22.1
				1882.5	26365	21.29	22.06
				1913.5	26675	21.36	22.13
			7	1851.5	26055	21.01	21.78
				1882.5	26365	20.84	21.61
				1913.5	26675	21.11	21.88
			14	1851.5	26055	20.89	21.66
				1882.5	26365	20.96	21.73
				1913.5	26675	20.88	21.65
		8 RB	0	1851.5	26055	19.67	20.44
				1882.5	26365	19.73	20.5
				1913.5	26675	20.15	20.92
			4	1851.5	26055	19.66	20.43
				1882.5	26365	19.72	20.49
				1913.5	26675	19.88	20.65
			7	1851.5	26055	19.66	20.43
				1882.5	26365	19.75	20.52
				1913.5	26675	20.12	20.89
		15RB		1851.5	26055	19.95	20.72
				1882.5	26365	19.88	20.65
				1913.5	26675	20.34	21.11

3	64-QAM	1 RB	0	1851.5	26055	20.38	21.15
				1882.5	26365	20.42	21.19
				1913.5	26675	20.36	21.13
			7	1851.5	26055	19.69	20.46
				1882.5	26365	19.55	20.32
				1913.5	26675	19.85	20.62
			14	1851.5	26055	19.95	20.72
				1882.5	26365	19.72	20.49
				1913.5	26675	20.06	20.83
		8 RB	0	1851.5	26055	18.83	19.6
				1882.5	26365	18.67	19.44
				1913.5	26675	19.22	19.99
			4	1851.5	26055	18.71	19.48
				1882.5	26365	18.59	19.36
				1913.5	26675	18.90	19.67
			7	1851.5	26055	18.75	19.52
				1882.5	26365	18.72	19.49
				1913.5	26675	19.08	19.85
		15RB		1851.5	26055	18.91	19.68
				1882.5	26365	18.62	19.39
				1913.5	26675	19.29	20.06

BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	ERP (dBm)
1.4	QPSK	1 RB	0	1850.7	26047	22.04	22.81
				1882.5	26365	21.92	22.69
				1914.3	26683	21.81	22.58
			2	1850.7	26047	21.25	22.02
				1882.5	26365	21.67	22.44
				1914.3	26683	21.70	22.47
			5	1850.7	26047	21.31	22.08
				1882.5	26365	21.62	22.39
				1914.3	26683	21.81	22.58
		3 RB	0	1850.7	26047	21.08	21.85
				1882.5	26365	21.17	21.94
				1914.3	26683	21.62	22.39
			2	1850.7	26047	21.26	22.03
				1882.5	26365	21.17	21.94
				1914.3	26683	21.32	22.09
			3	1850.7	26047	21.23	22
				1882.5	26365	21.05	21.82
				1914.3	26683	21.17	21.94
		6RB		1850.7	26047	20.91	21.68
				1882.5	26365	20.76	21.53
				1914.3	26683	20.89	21.66
1.4	16-QAM	1 RB	0	1850.7	26047	21.14	21.91
				1882.5	26365	21.16	21.93
				1914.3	26683	21.27	22.04
			2	1850.7	26047	20.88	21.65
				1882.5	26365	20.78	21.55
				1914.3	26683	20.94	21.71
			5	1850.7	26047	20.71	21.48
				1882.5	26365	20.81	21.58
				1914.3	26683	20.67	21.44
		3 RB	0	1850.7	26047	20.10	20.87
				1882.5	26365	20.07	20.84
				1914.3	26683	20.56	21.33
			2	1850.7	26047	20.08	20.85
				1882.5	26365	20.16	20.93
				1914.3	26683	20.20	20.97
			3	1850.7	26047	20.01	20.78
				1882.5	26365	20.12	20.89
				1914.3	26683	20.40	21.17
		6RB		1850.7	26047	20.25	21.02
				1882.5	26365	20.24	21.01
				1914.3	26683	20.77	21.54

1.4	64-QAM	1 RB	0	1850.7	26047	20.77	21.54
				1882.5	26365	20.85	21.62
				1914.3	26683	20.79	21.56
			2	1850.7	26047	20.09	20.86
				1882.5	26365	19.81	20.58
				1914.3	26683	20.23	21
			5	1850.7	26047	20.23	21
				1882.5	26365	20.01	20.78
				1914.3	26683	20.51	21.28
		3 RB	0	1850.7	26047	19.20	19.97
				1882.5	26365	19.01	19.78
				1914.3	26683	19.56	20.33
			2	1850.7	26047	19.16	19.93
				1882.5	26365	19.04	19.81
				1914.3	26683	19.30	20.07
			3	1850.7	26047	19.14	19.91
				1882.5	26365	19.07	19.84
				1914.3	26683	19.43	20.2
		6RB		1850.7	26047	19.35	20.12
				1882.5	26365	18.93	19.7
				1914.3	26683	19.65	20.42

8.2 FREQUENCY STABILITY V.S. TEMPERATURE MEASUREMENT

LIMIT

According to FCC §2.1055, FCC §24.235.

Frequency Tolerance: +/- 2.5ppm

According to RSS -133 section 6.3,

The carrier frequency shall not depart from the reference frequency, in excess of ±2.5 ppm for mobile stations and ±1.0 ppm for base stations.

In lieu of meeting the above stability values, the test report may show that the frequency stability is sufficient to ensure that the emission bandwidth stays within the operating frequency block when tested to the temperature and supply voltage variations specified in RSS-Gen.

Test Procedure

Use Anritsu 8820 with frequency Error measurement capability.

Temp = -35℃ to +65℃

Voltage= 85% to 115% of the nominal value for AC powered equipment.

NOTE: *The frequency error was recorded frequency error from the communication simulator.*

TEST RESULTS

No non-compliance noted.

Test Results

FREQUENCY STABILITY V.S. TEMPERATURE MEASUREMENT:

LTE Band 25 / QPSK

Reference Frequency: LTE Band 25, 1882.5 MHz at 20(°C)				
Limit: □ 2.5 ppm = 4706.25 Hz				
Power Supply (Vac)	Environment Temperature (°C)	BW: 10M Frequency Error(Hz)	Frequency Error (ppm)	Limit (ppm)
120	65	-0.01	-0.000005	+/- 2.5
120	50	0.01	0.000005	
120	40	0.00	0.000000	
120	30	0.01	0.000005	
120	20	0.02	0.000011	
120	10	0.01	0.000005	
120	0	-0.01	-0.000005	
120	-10	0.01	0.000005	
120	-20	0.02	0.0000	
120	-35	-0.01	-0.000005	

LTE Band 25 / 16QAM

Reference Frequency: LTE Band 25, 1882.5 MHz at 20(°C)				
Limit: □ 2.5 ppm = 4706.25 Hz				
Power Supply (Vac)	Environment Temperature (°C)	BW: 10M Frequency Error(Hz)	Frequency Error (ppm)	Limit (ppm)
120	65	0.02	0.000011	+/- 2.5
120	50	0.00	0.000000	
120	40	0.01	0.000005	
120	30	0.02	0.000011	
120	20	0.01	0.000005	
120	10	0.02	0.000011	
120	0	-0.01	-0.000005	
120	-10	0.00	0.000000	
120	-20	0.01	0.0000	
120	-35	-0.01	-0.000005	

FREQUENCY STABILITY V.S. VOLTAGE MEASUREMENT:

LTE Band 25 / QPSK

Reference Frequency: LTE Band 25, 1882.5 MHz at 20(°C)				
Limit: □ 2.5 ppm = 4706.25 Hz				
Power Supply (Vac)	Environment Temperature (°C)	BW: 20M Frequency Error(Hz)	Frequency Error (ppm)	Limit (ppm)
102	20	0.01	0.000005	+/- 2.5
120		-0.01	-0.000005	
138		0.00	0.000000	

LTE Band 25 / 16QAM

Reference Frequency: LTE Band 25, 1882.5 MHz at 20(°C)				
Limit: □ 2.5 ppm = 4706.25 Hz				
Power Supply (Vac)	Environment Temperature (°C)	BW: 20M Frequency Error(Hz)	Frequency Error (ppm)	Limit (ppm)
102	20	0.01	0.000005	+/- 2.5
120		0.00	0.000000	
138		-0.01	-0.000005	

8.3 OCCUPIED BANDWIDTH MEASUREMENT

Limits

For Reporting purposes only.

TEST PROCEDURES

KDB 971168 D01

1. The occupied bandwidth was measured with the spectrum analyzer at the lowest, middle and highest channels in each band and different modulation. The 99% and -26dB bandwidth was measured and recorded.
2. RBW = 1-5% of the expected OBW
3. VBW ≥ 3 x RBW
4. Detector = Peak
5. Trace mode = max. hold

TEST RESULTS

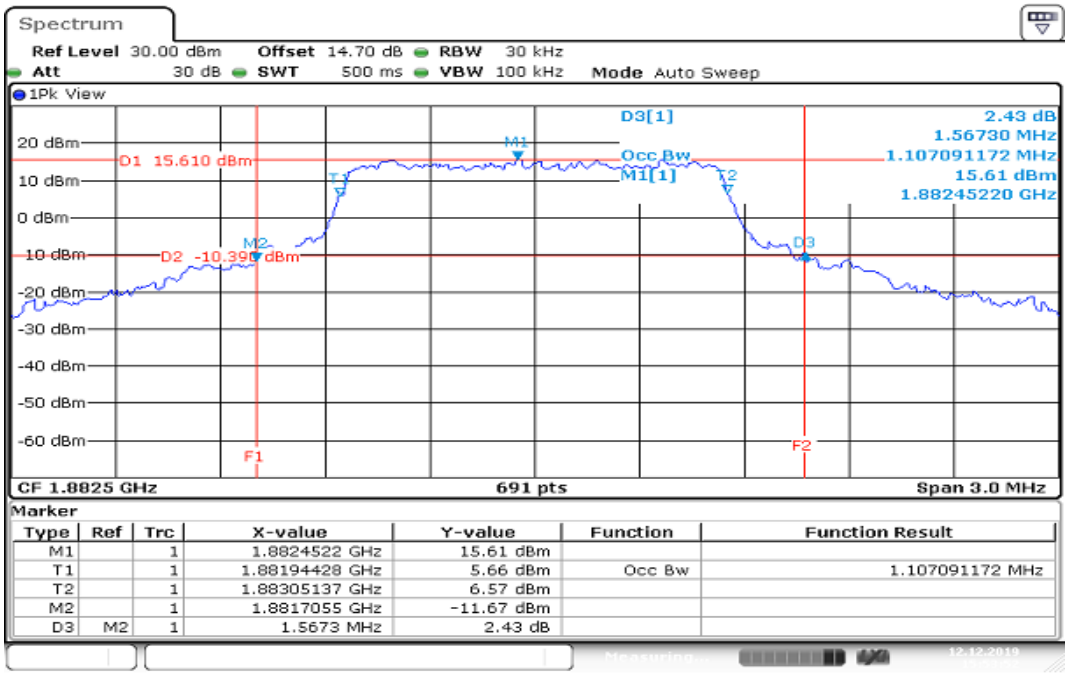
LTE Band 25

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	OBW(99%)(MHz)	26 dB Bandwidth(MHz)
25	1.4	Middle	1882.5	QPSK	1.1070	1.5673
		Middle	1882.5	16QAM	1.1070	1.4588
	3	Middle	1882.5	QPSK	2.6917	2.987
		Middle	1882.5	16QAM	2.6917	2.961
	5	Middle	1882.5	QPSK	4.4862	4.958
		Middle	1882.5	16QAM	4.4717	4.857
	10	Middle	1882.5	QPSK	8.9435	9.748
		Middle	1882.5	16QAM	8.9435	9.661
	15	Middle	1882.5	QPSK	13.4587	14.678
		Middle	1882.5	16QAM	13.4587	14.654
	20	Middle	1882.5	QPSK	18.0028	19.575
		Middle	1882.5	16QAM	18.0607	19.69

LTE Band 25

BW: 1.4MHz / QPSK

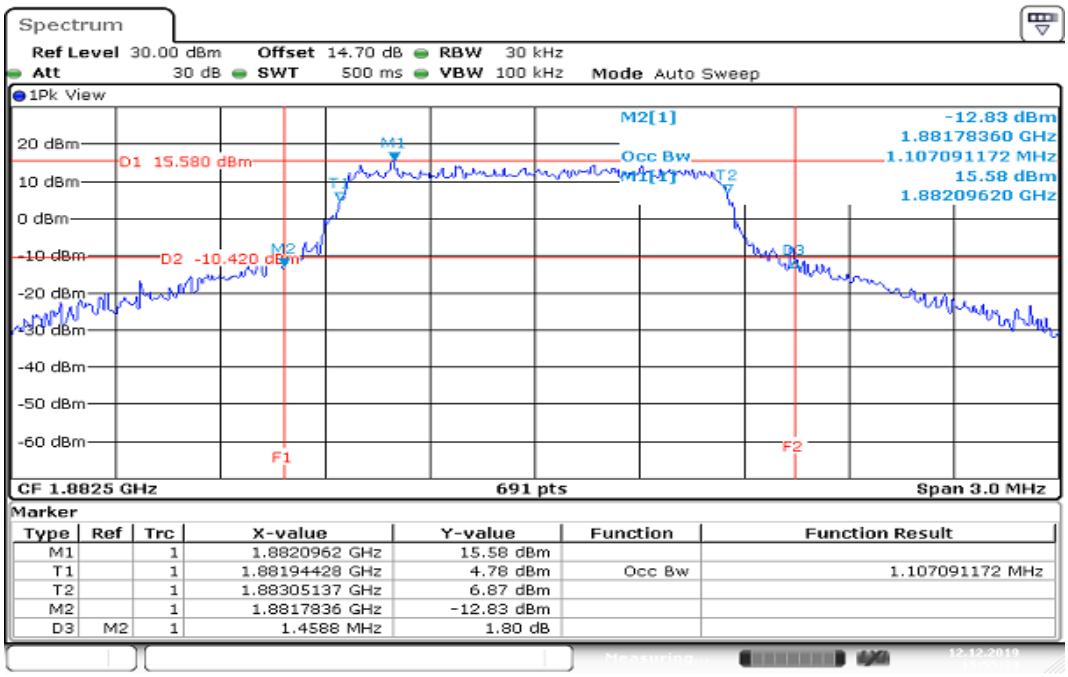
CH Mid



Date: 12.DEC.2019 15:53:52

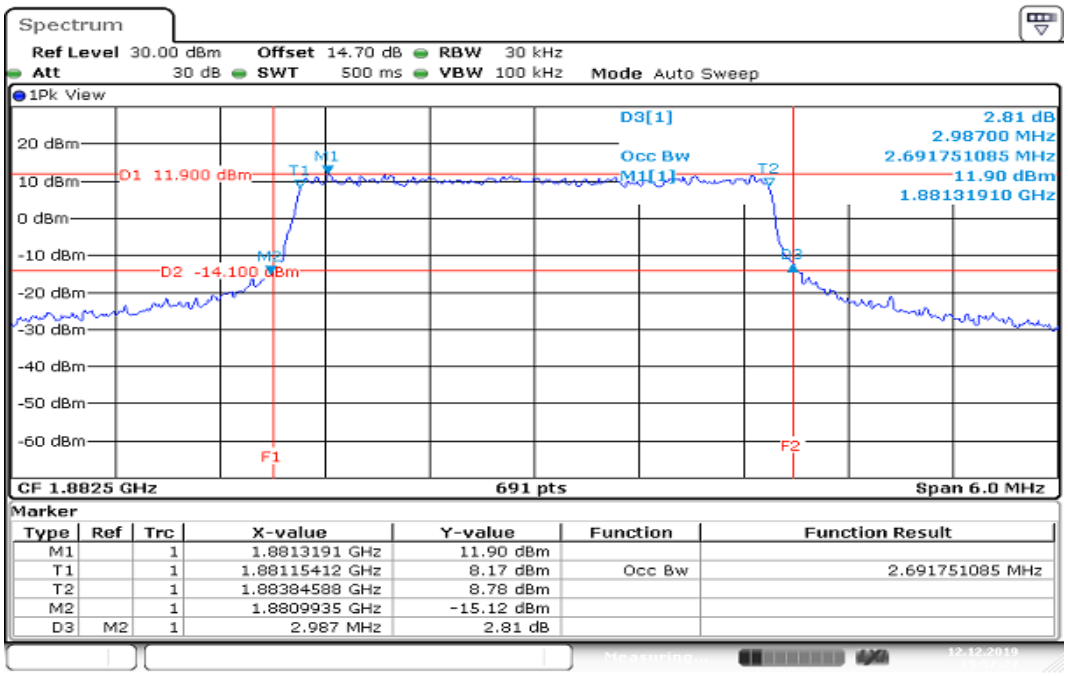
BW: 1.4MHz / 16QAM

CH Mid



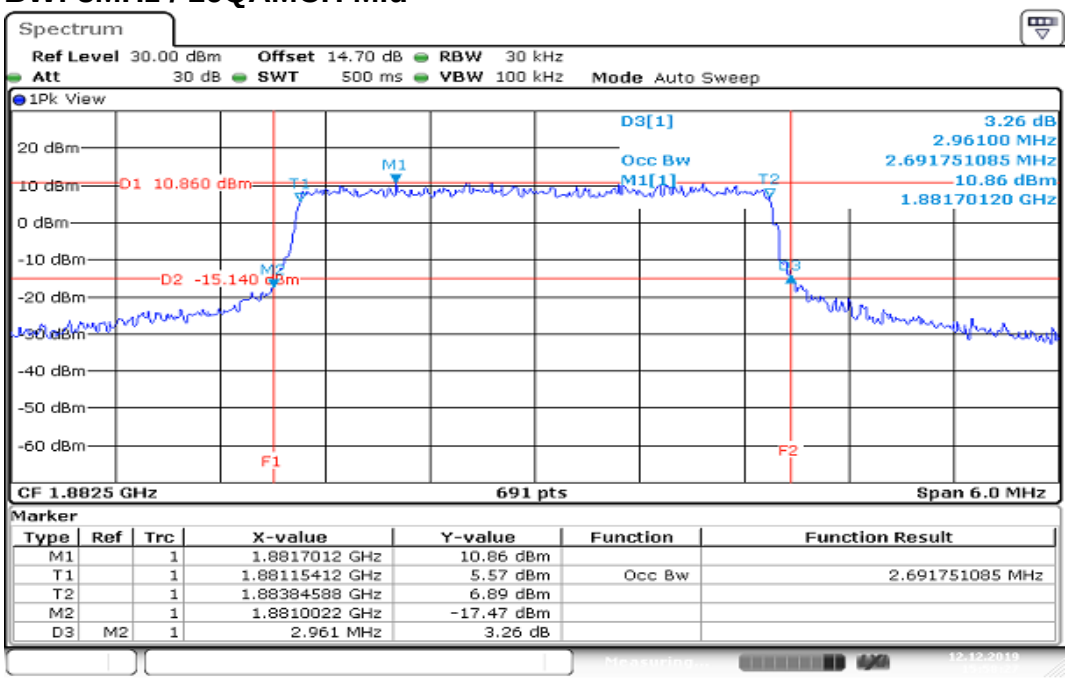
Date: 12.DEC.2019 15:55:39

BW: 3MHz / QPSK
CH Mid



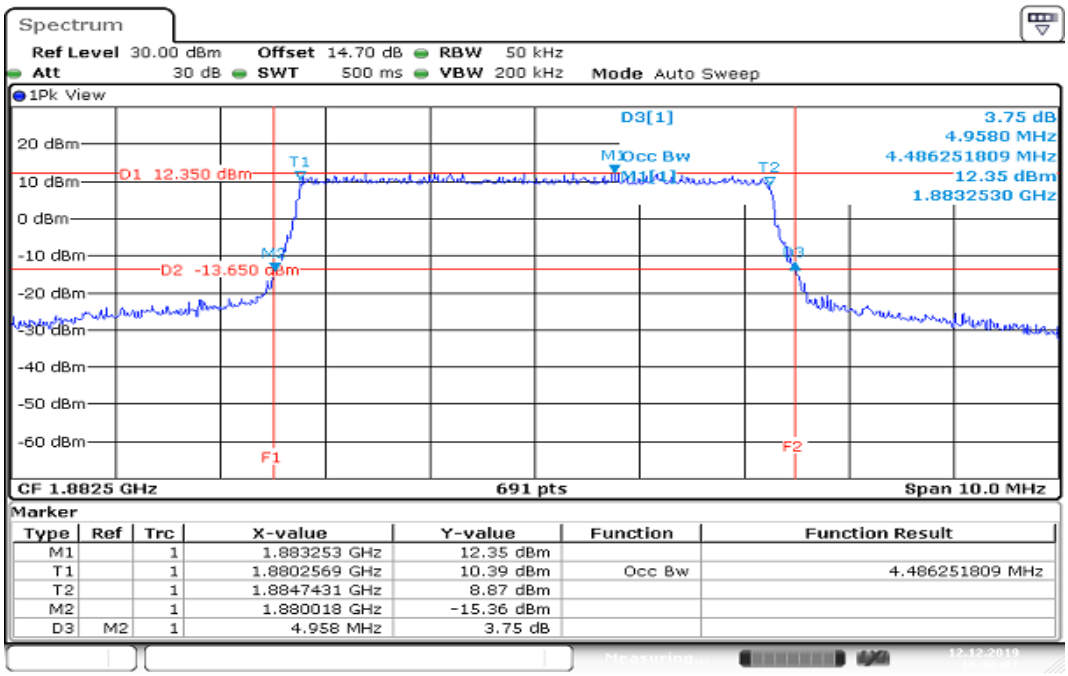
Date: 12.DEC.2019 15:57:23

BW: 3MHz / 16QAMCH Mid



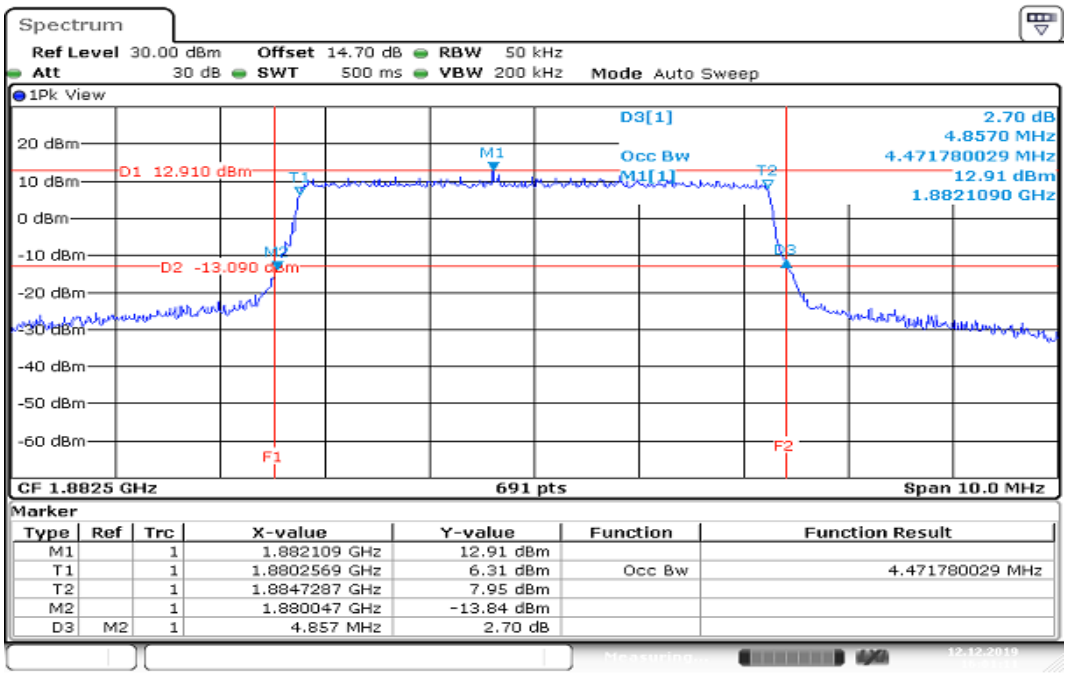
Date: 12.DEC.2019 15:58:28

BW: 5MHz / QPSK
CH Mid



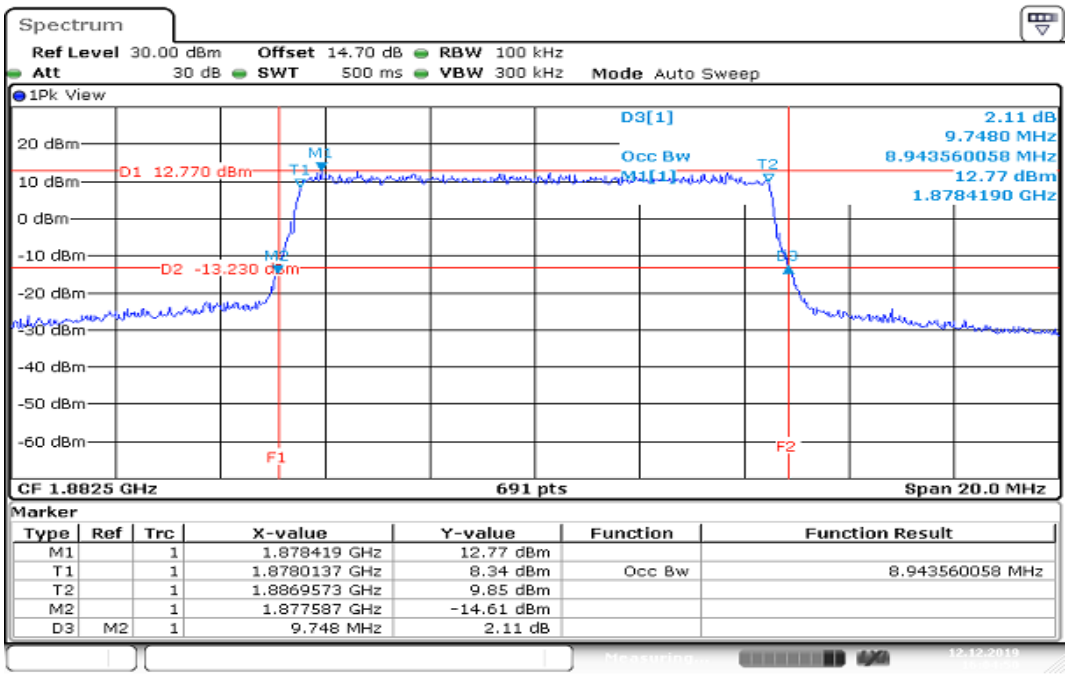
Date: 12.DEC.2019 16:00:07

BW: 5MHz / 16QAM
CH Mid



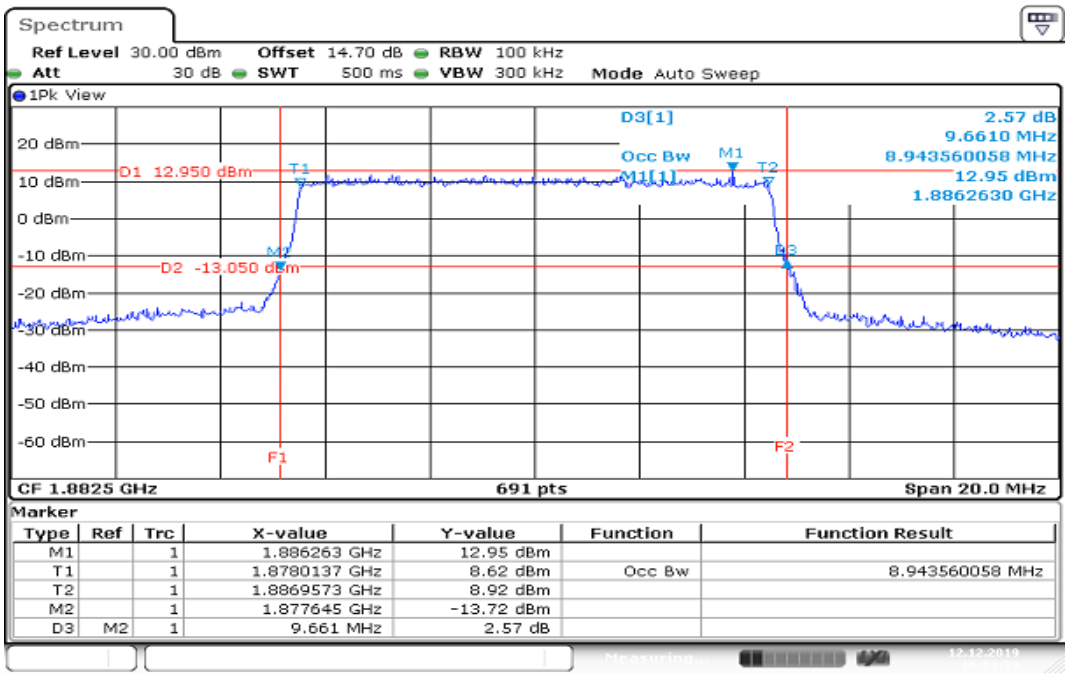
Date: 12.DEC.2019 16:01:12

BW: 10MHz / QPSK
CH Mid



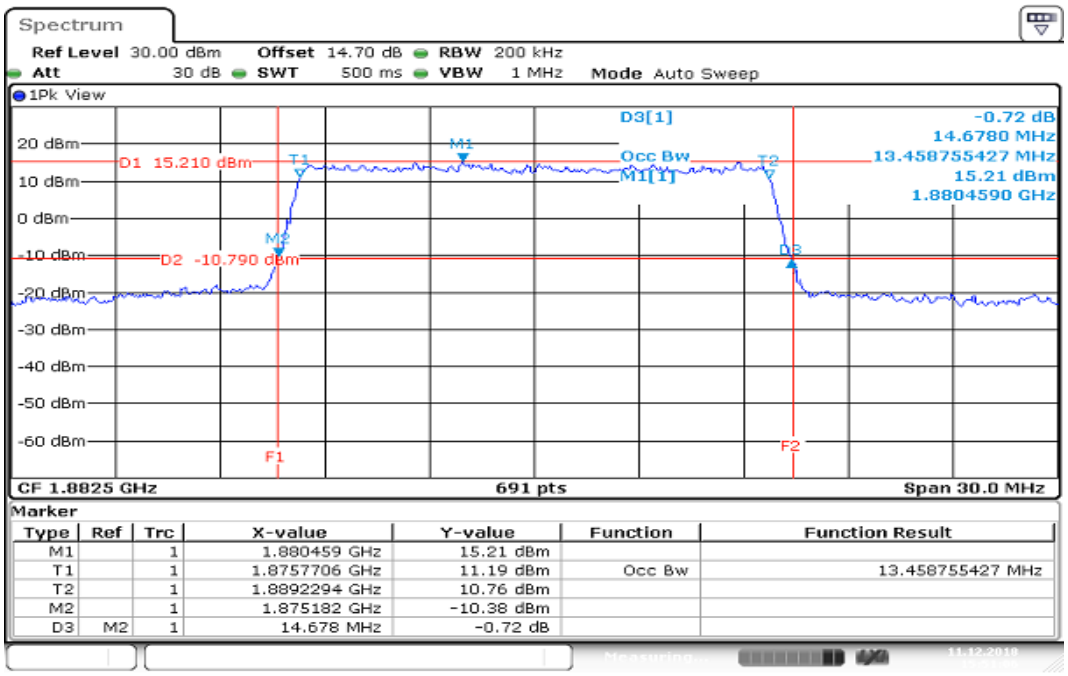
Date: 12.DEC.2019 16:04:51

BW: 10MHz / 16QAM
CH Mid



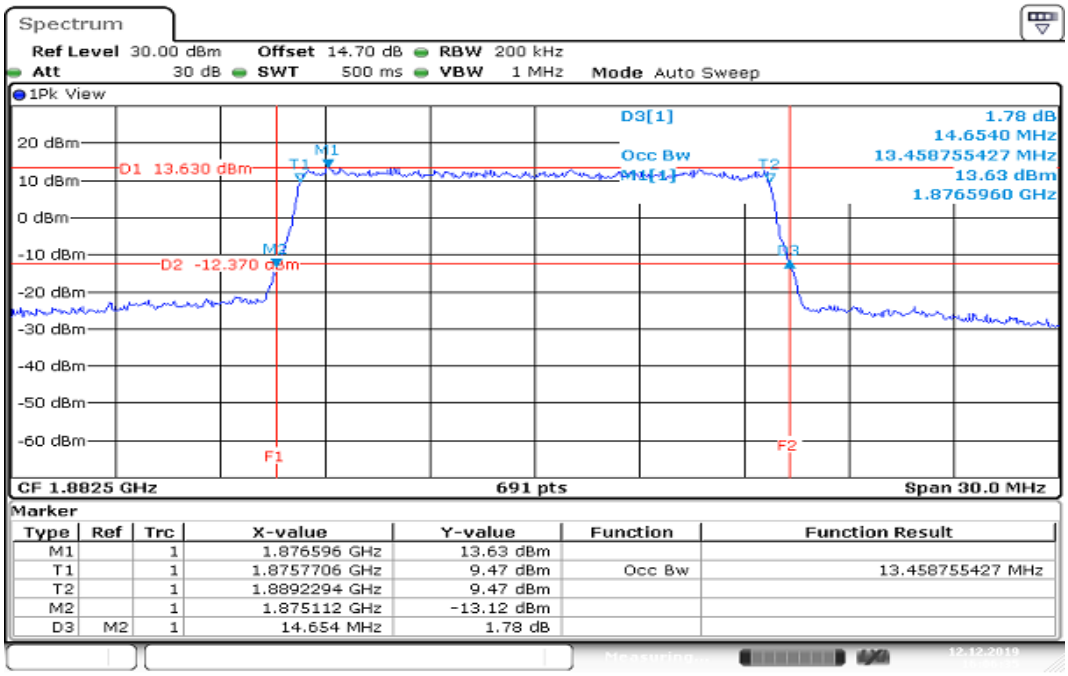
Date: 12.DEC.2019 16:03:33

BW: 15MHz / QPSK
CH Mid



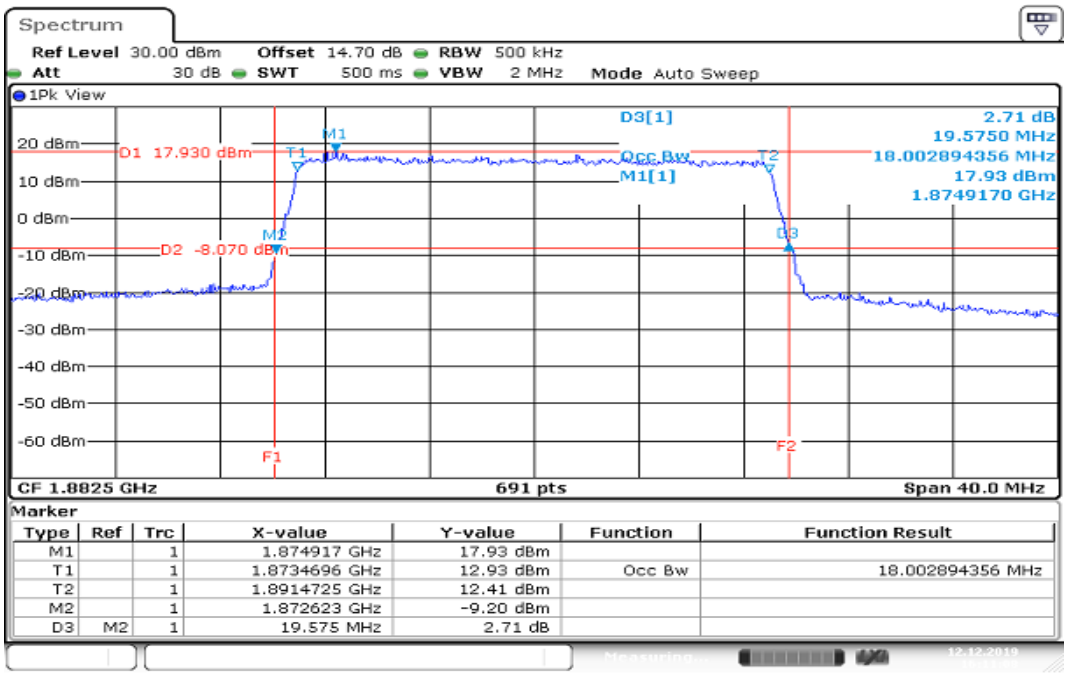
Date: 11.DEC.2018 15:51:07

BW: 15MHz / 16QAM
CH Mid



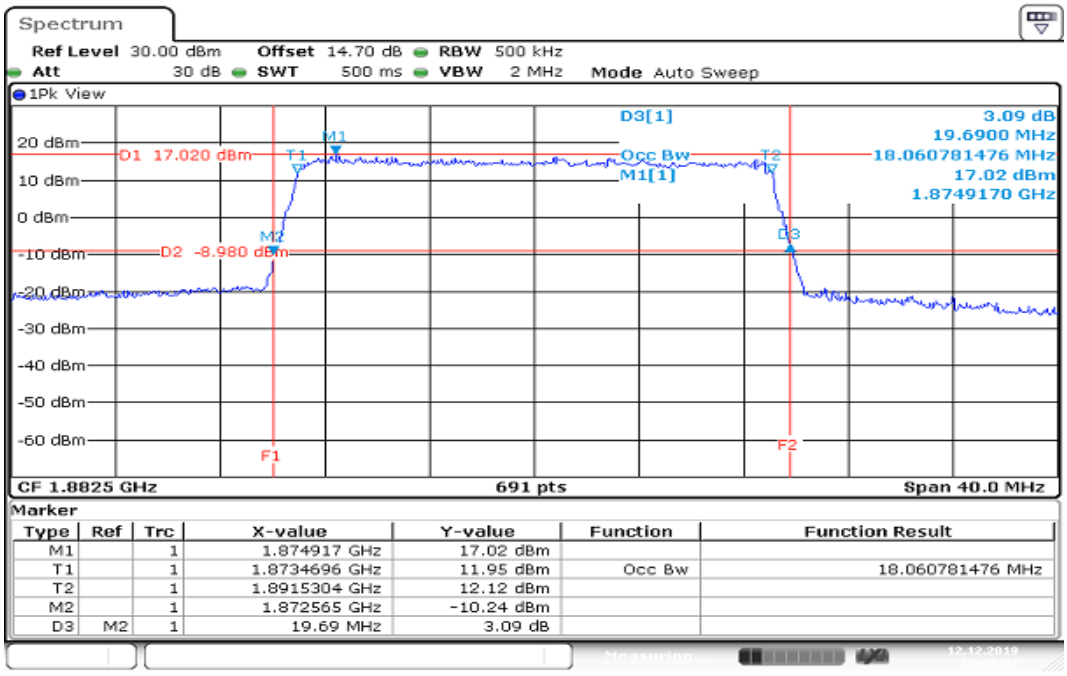
Date: 12.DEC.2019 16:06:35

BW: 20MHz / QPSK
CH Mid



Date: 12.DEC.2019 16:11:08

BW: 20MHz / 16QAM
CH Mid



Date: 12.DEC.2019 16:09:47

8.4 PEAK TO AVERAGE POWER RATIO

Limit

In measuring the transmitter's peak-to-average power ratio (PAPR) shall not exceed 13 dB for more than 0.1% of the time using a signal corresponding to the highest PAPR during periods of continuous transmission.

Test Procedures

1. According to KDB 971168 D01,
2. The EUT was connect to spectrum analyzer and call box.
3. Set the CCDF function in spectrum analyzer.
4. The highest RF output power were measured and recorded the maximum PAPR level associated with a probability of 0.1%.
5. Record the Peak to Average Power Ratio.

Note: We selected worst case to performed test in middle channel, the results can be meet other channel.

Test Results

LTE Band 25

CHANNEL BANDWIDTH: 1.4MHz / QPSK / 1RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	5.48

CHANNEL BANDWIDTH: 1.4MHz / 16QAM / 1RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	6.29

CHANNEL BANDWIDTH: 3MHz / QPSK / 1RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	5.45

CHANNEL BANDWIDTH: 3MHz / 16QAM / 1RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	6.41

CHANNEL BANDWIDTH: 5MHz / QPSK / 1RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	5.28

CHANNEL BANDWIDTH: 5MHz / 16QAM / 1RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	6.17

Note: We selected worst case to performed test in middle channel, the results can be meet other channel.

CHANNEL BANDWIDTH: 10MHz / QPSK / 1RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	5.19

CHANNEL BANDWIDTH: 10MHz / 16QAM / 1RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	5.91

CHANNEL BANDWIDTH: 15MHz / QPSK / 1RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	5.16

CHANNEL BANDWIDTH: 15MHz / 16QAM / 1RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	6.09

CHANNEL BANDWIDTH: 20MHz / QPSK / 1RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	4.93

CHANNEL BANDWIDTH: 20MHz / 16QAM / 1RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	6.00

Note: We selected worst case to performed test in middle channel, the results can be meet other channel.

CHANNEL BANDWIDTH: 1.4MHz / QPSK / 100%RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	5.80

CHANNEL BANDWIDTH: 1.4MHz / 16QAM / 100%RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	6.67

CHANNEL BANDWIDTH: 3MHz / QPSK / 100%RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	5.48

CHANNEL BANDWIDTH: 3MHz / 16QAM / 100%RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	6.46

CHANNEL BANDWIDTH: 5MHz / QPSK / 100%RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	5.48

CHANNEL BANDWIDTH: 5MHz / 16QAM / 100%RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	6.38

Note: We selected worst case to performed test in middle channel, the results can be meet other channel.

CHANNEL BANDWIDTH: 10MHz / QPSK / 100%RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	5.45

CHANNEL BANDWIDTH: 10MHz / 16QAM / 100%RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	6.43

CHANNEL BANDWIDTH: 15MHz / QPSK / 100%RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	5.71

CHANNEL BANDWIDTH: 15MHz / 16QAM / 100%RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	6.46

CHANNEL BANDWIDTH: 20MHz / QPSK / 100%RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	5.33

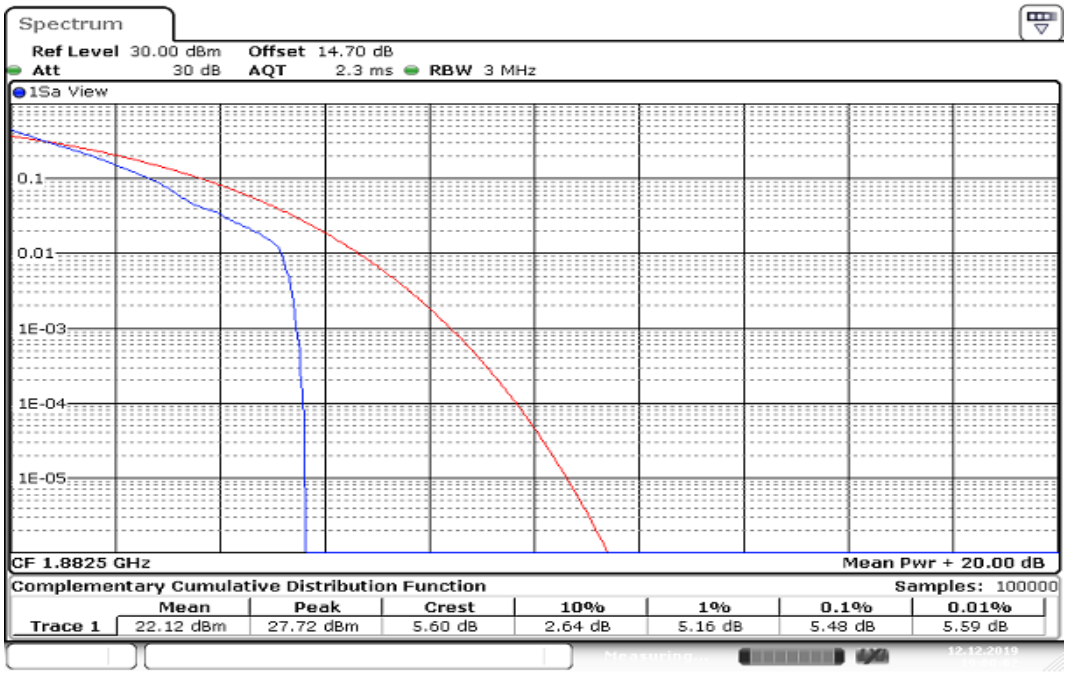
CHANNEL BANDWIDTH: 20MHz / 16QAM / 100%RB

Channel	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
26365	1882.5	6.32

Note: We selected worst case to performed test in middle channel, the results can be meet other channel.

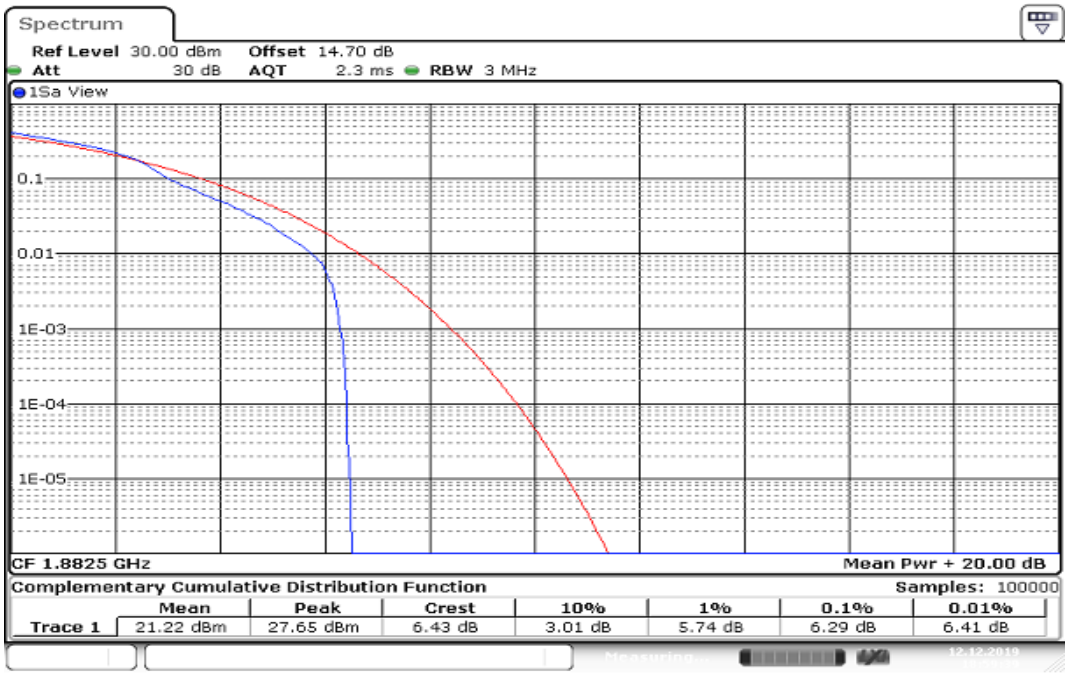
LTE Band 25

BW: 1.4MHz / QPSK / RB =1, RB Offset = 0
CH Mid



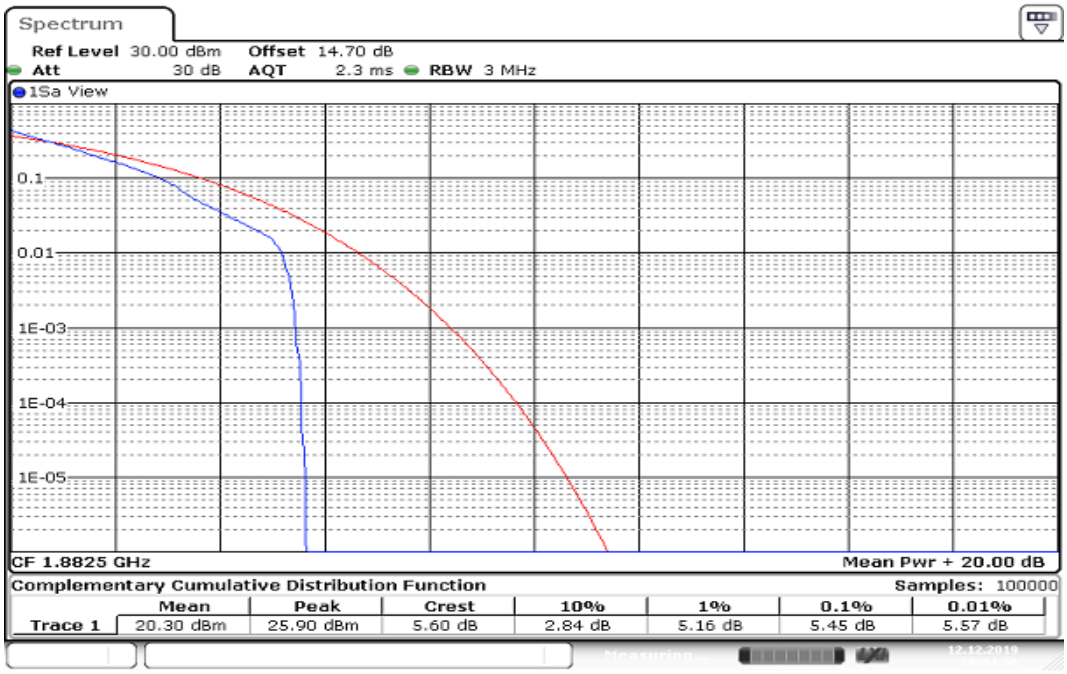
Date: 12.DEC.2019 19:00:03

BW: 1.4MHz / 16QAM / RB =1, RB Offset = 0
CH Mid



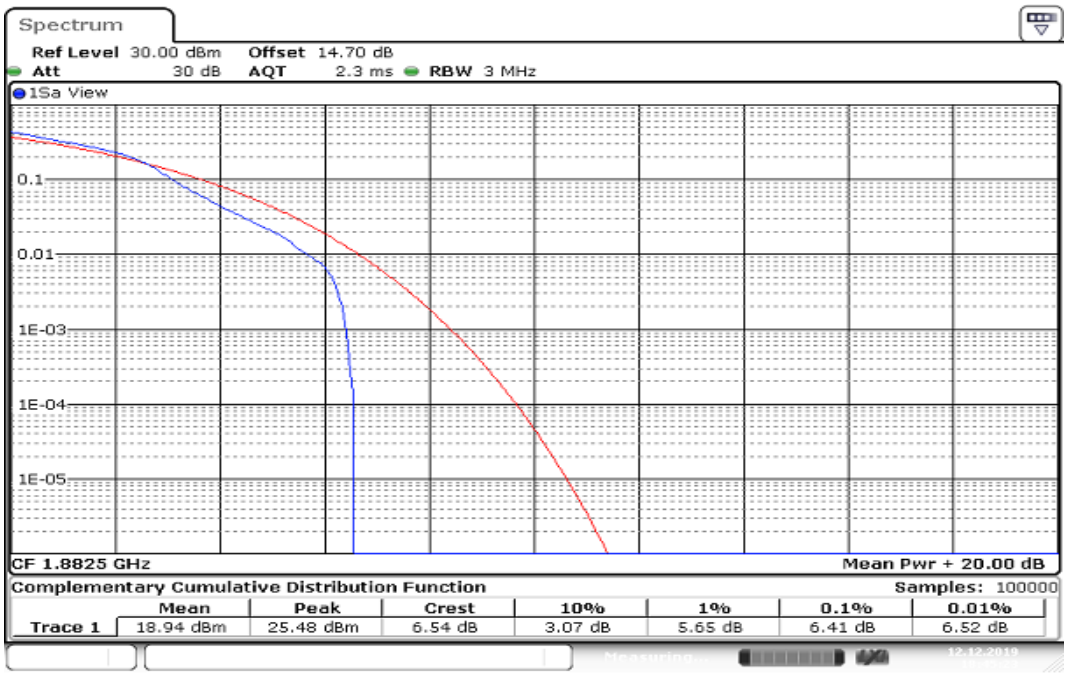
Date: 12.DEC.2019 18:59:39

BW: 3MHz / QPSK / RB =1, RB Offset = 0
CH Mid



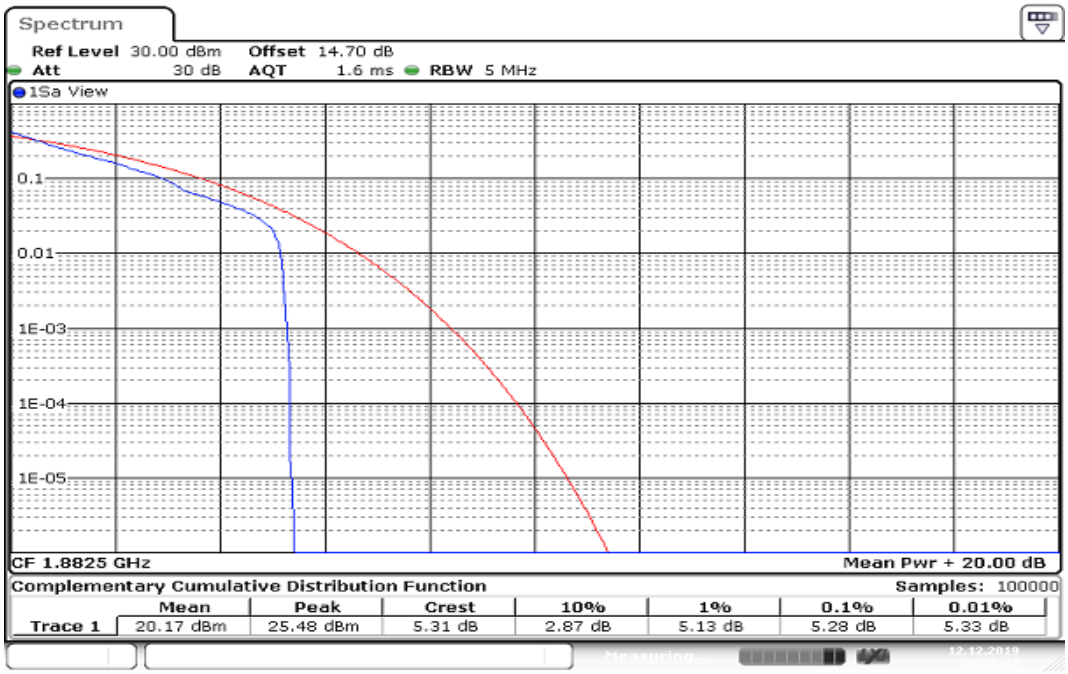
Date: 12.DEC.2019 18:44:56

BW: 3MHz / 16QAM / RB =1, RB Offset = 0
CH Mid



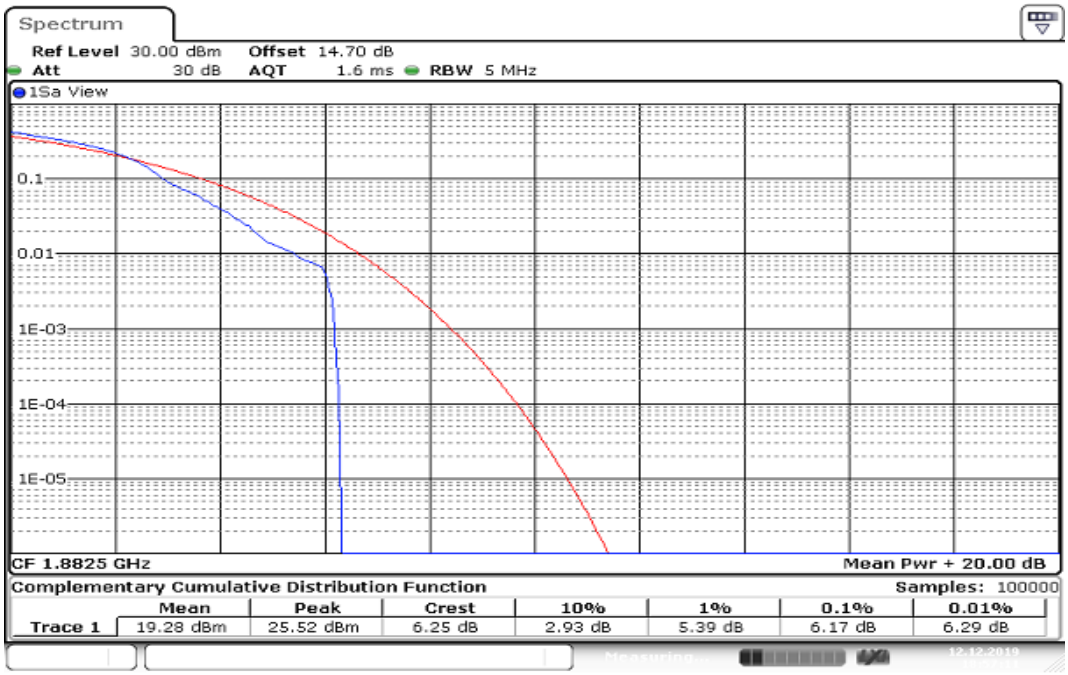
Date: 12.DEC.2019 18:45:23

BW: 5MHz / QPSK / RB =1, RB Offset = 0
CH Mid



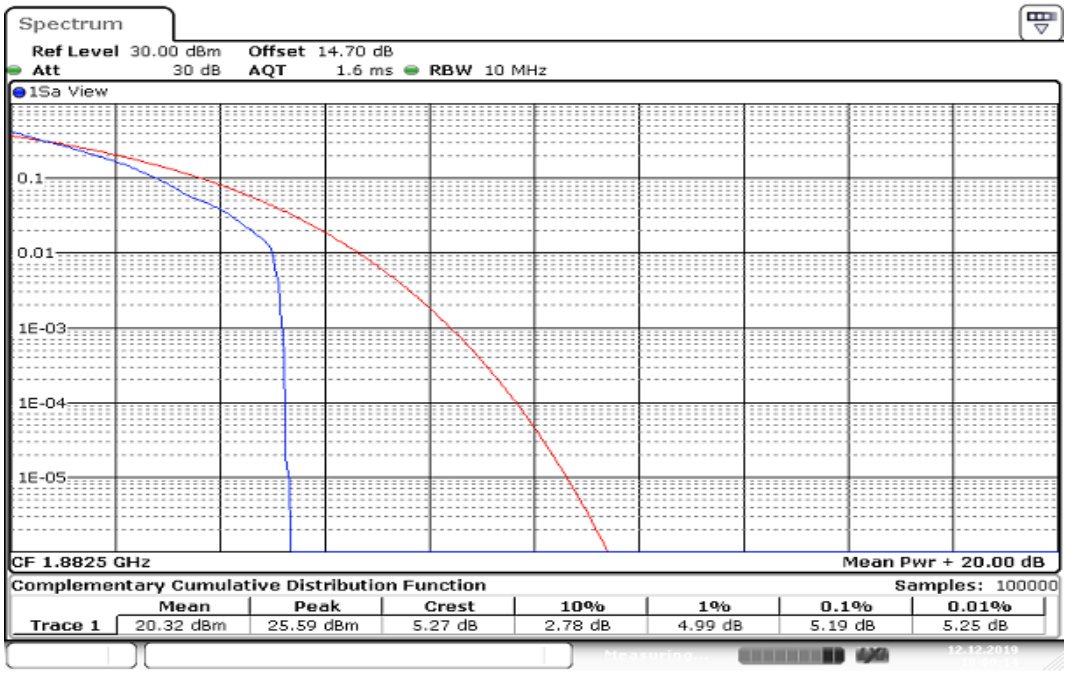
Date: 12.DEC.2019 18:56:43

BW: 5MHz / 16QAM / RB =1, RB Offset = 0
CH Mid



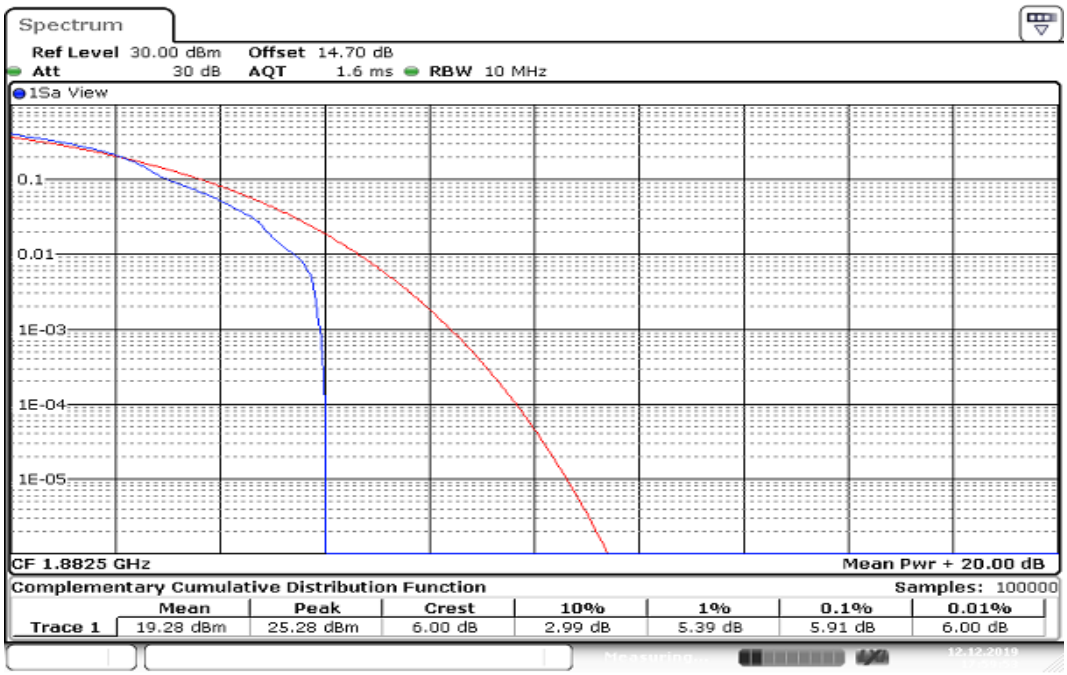
Date: 12.DEC.2019 18:57:11

BW: 10MHz / QPSK /RB =1, RB Offset = 0
CH Mid



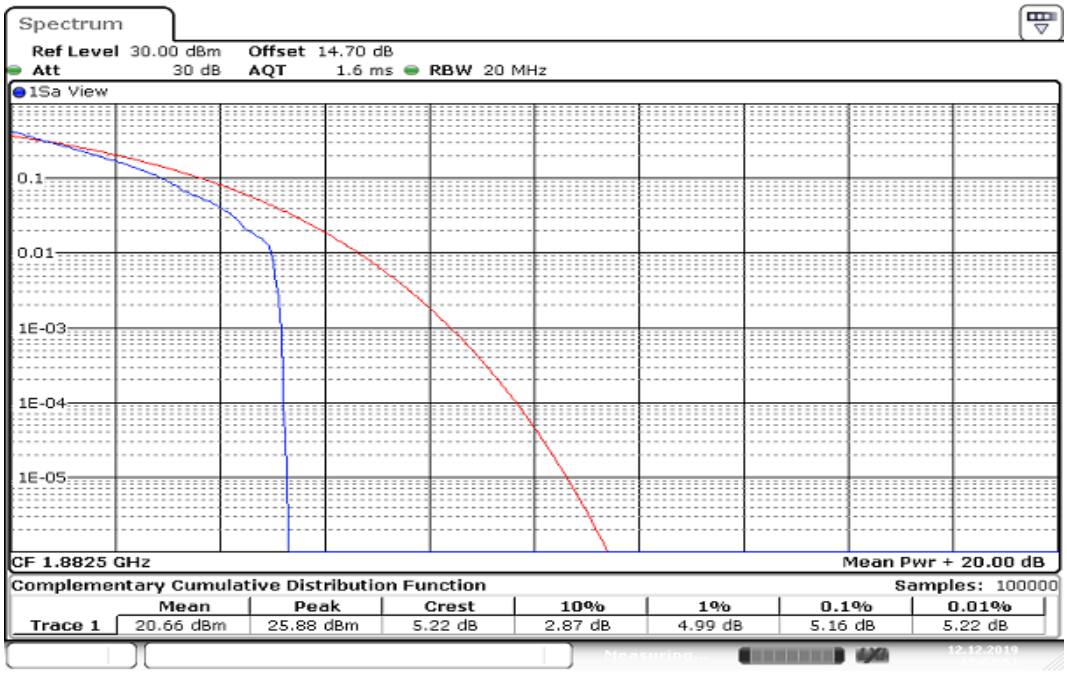
Date: 12.DEC.2019 18:00:15

BW: 10MHz / 16QAM /RB =1, RB Offset = 0
CH Mid



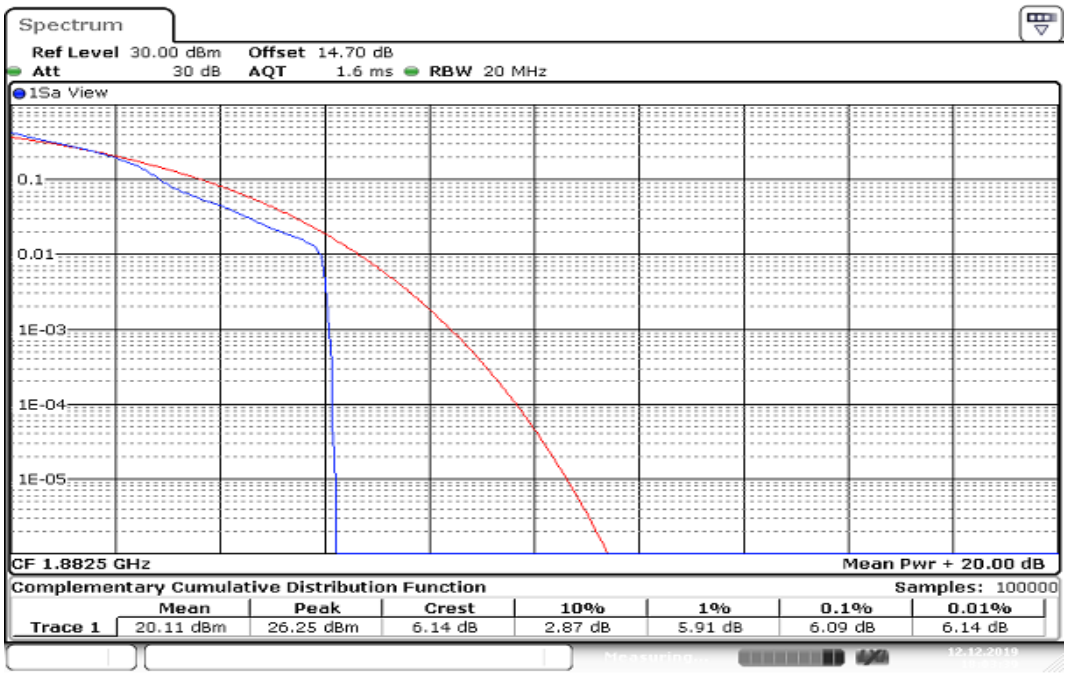
Date: 12.DEC.2019 17:59:53

BW: 15MHz / QPSK /RB =1, RB Offset = 0
CH Mid



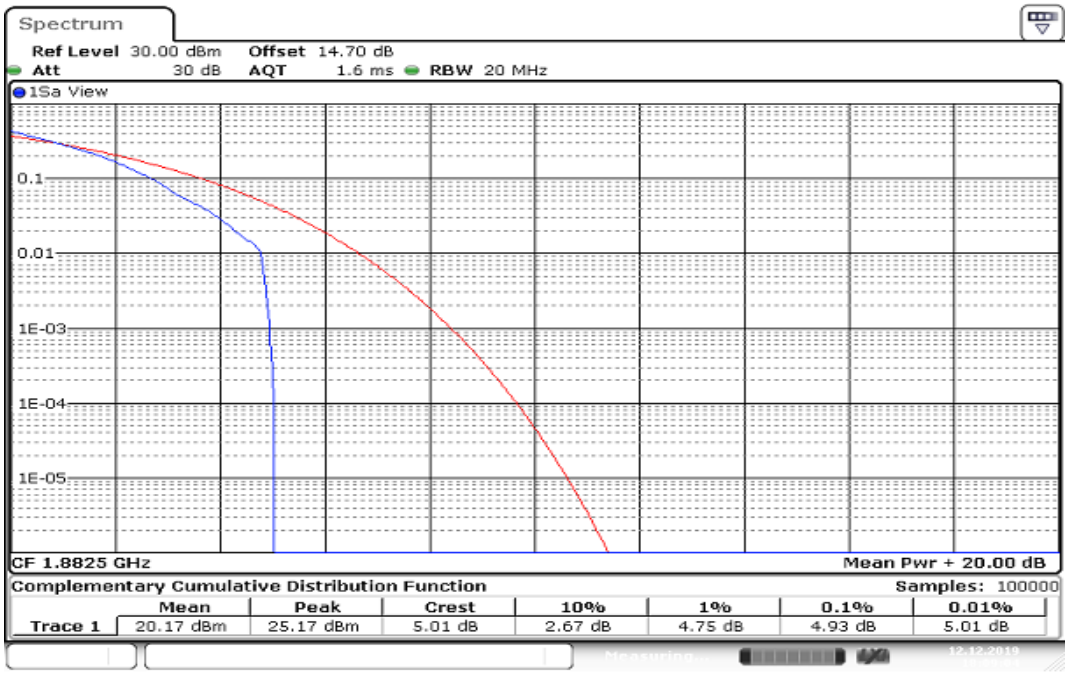
Date: 12.DEC.2019 18:02:51

BW: 15MHz / 16QAM /RB =1, RB Offset = 0
CH Mid



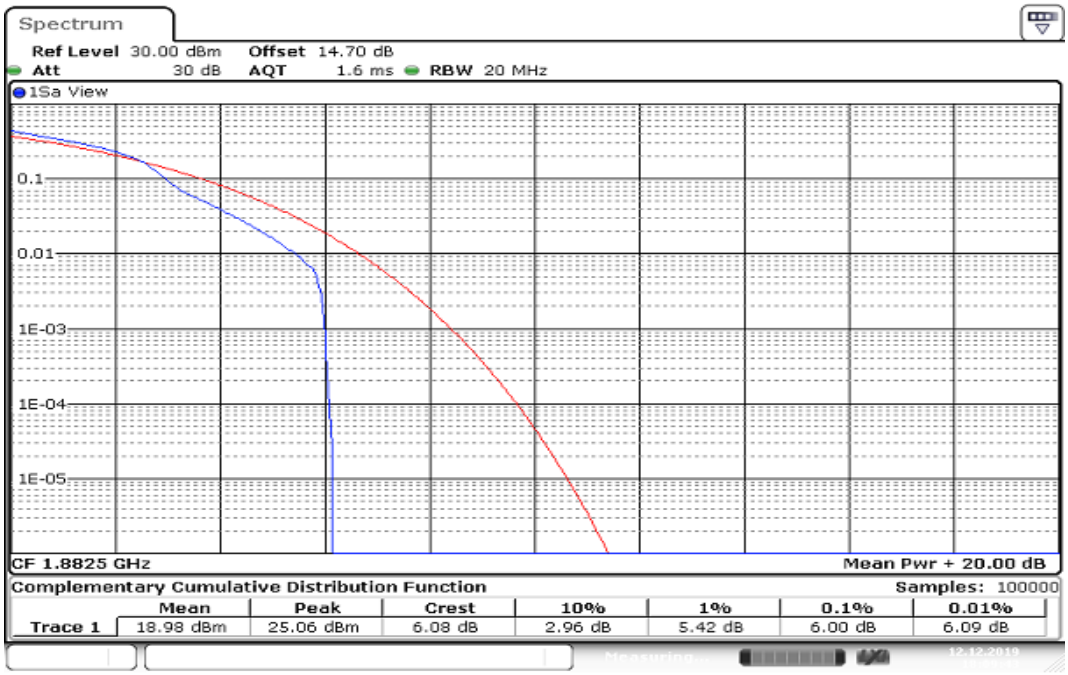
Date: 12.DEC.2019 18:03:39

BW: 20MHz / QPSK / RB =1, RB Offset = 0
CH Mid



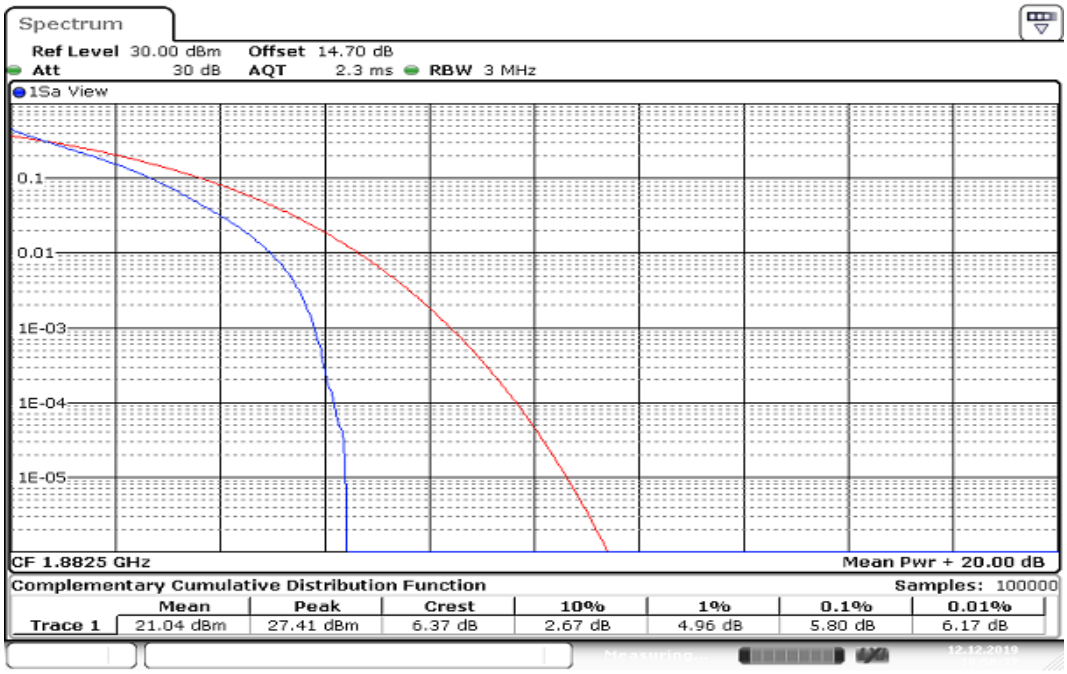
Date: 12.DEC.2019 18:09:04

BW: 20MHz / 16QAM / RB =1, RB Offset = 0
CH Mid



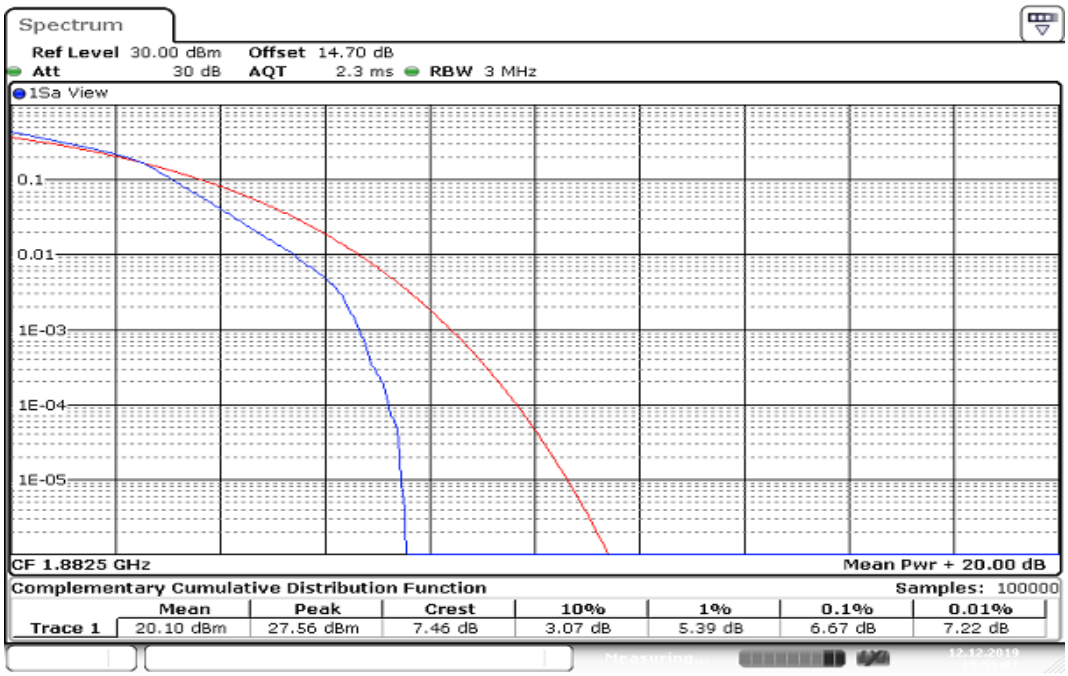
Date: 12.DEC.2019 18:09:43

BW: 1.4MHz / QPSK / RB =100%, RB Offset = 0
CH Mid



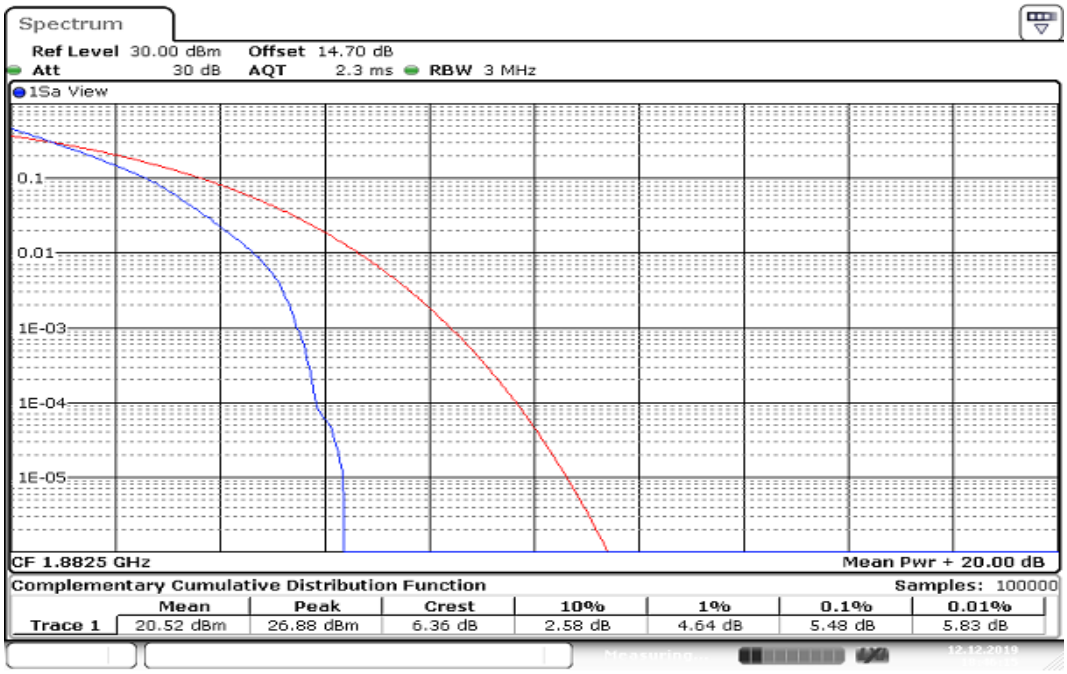
Date: 12.DEC.2019 18:58:37

BW: 1.4MHz / 16QAM / RB =100%, RB Offset = 0
CH Mid



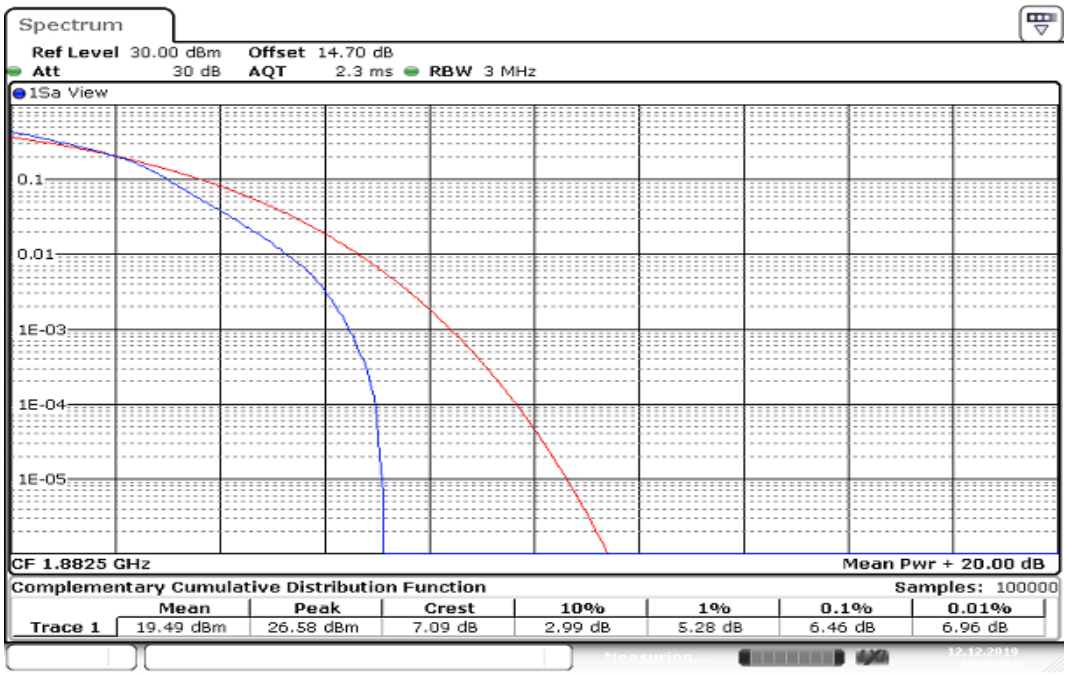
Date: 12.DEC.2019 18:59:07

BW: 3MHz / QPSK / RB =100%, RB Offset = 0
CH Mid



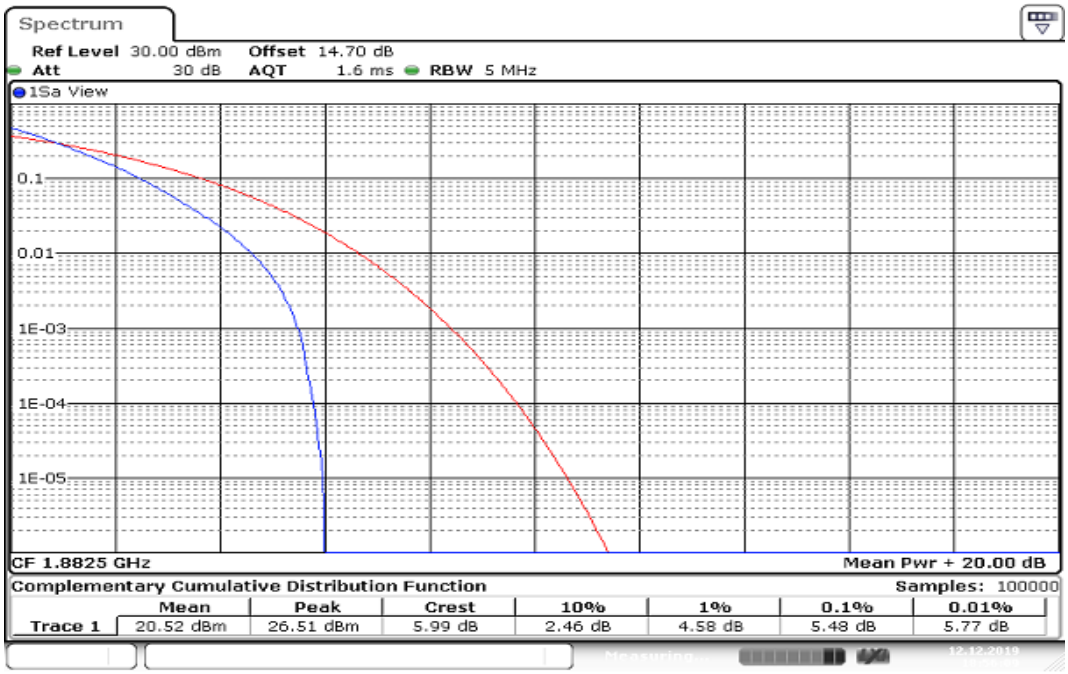
Date: 12.DEC.2019 18:46:15

BW: 3MHz / 16QAM / RB =100%, RB Offset = 0
CH Mid



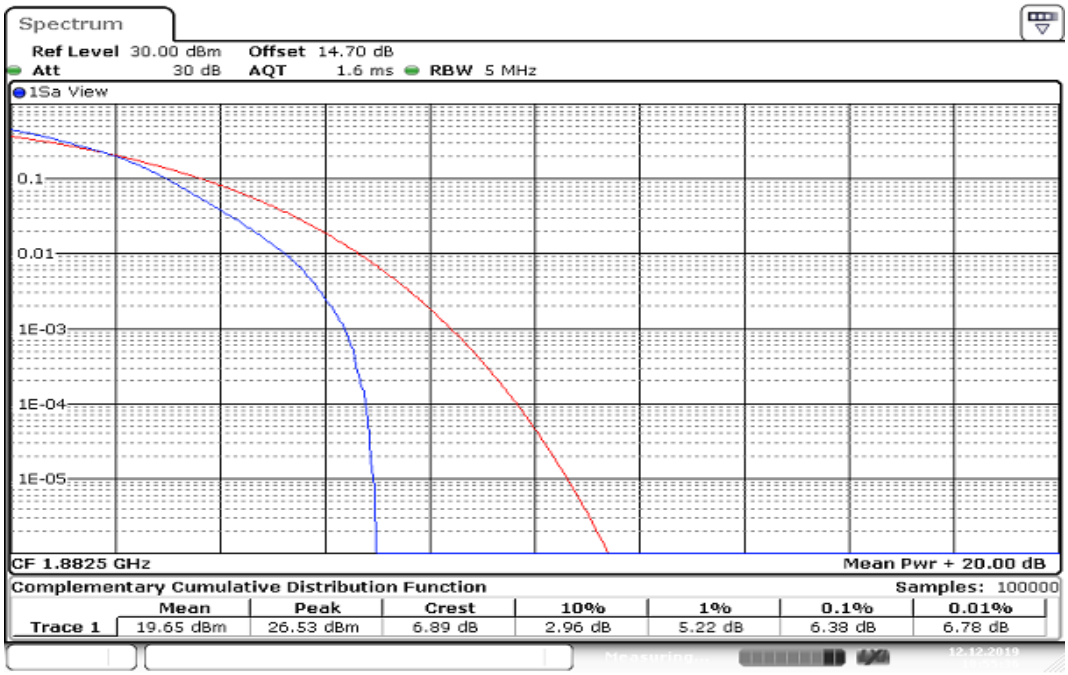
Date: 12.DEC.2019 18:45:54

BW: 5MHz / QPSK / RB =100%, RB Offset = 0
CH Mid



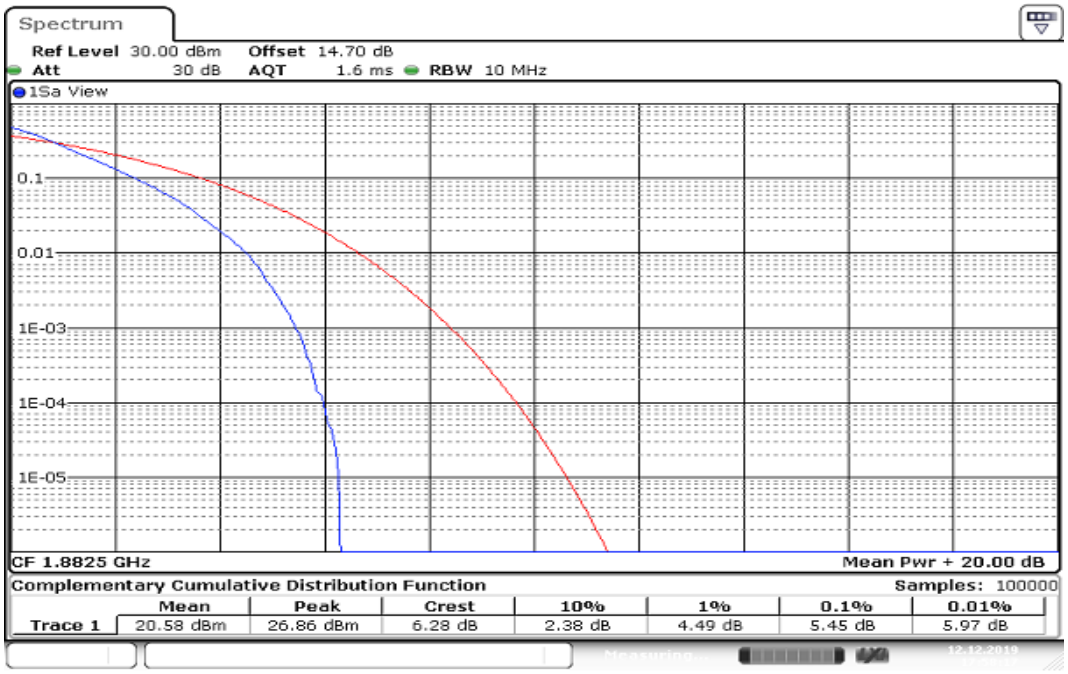
Date: 12.DEC.2019 18:56:09

BW: 5MHz / 16QAM / RB =100%, RB Offset = 0
CH Mid



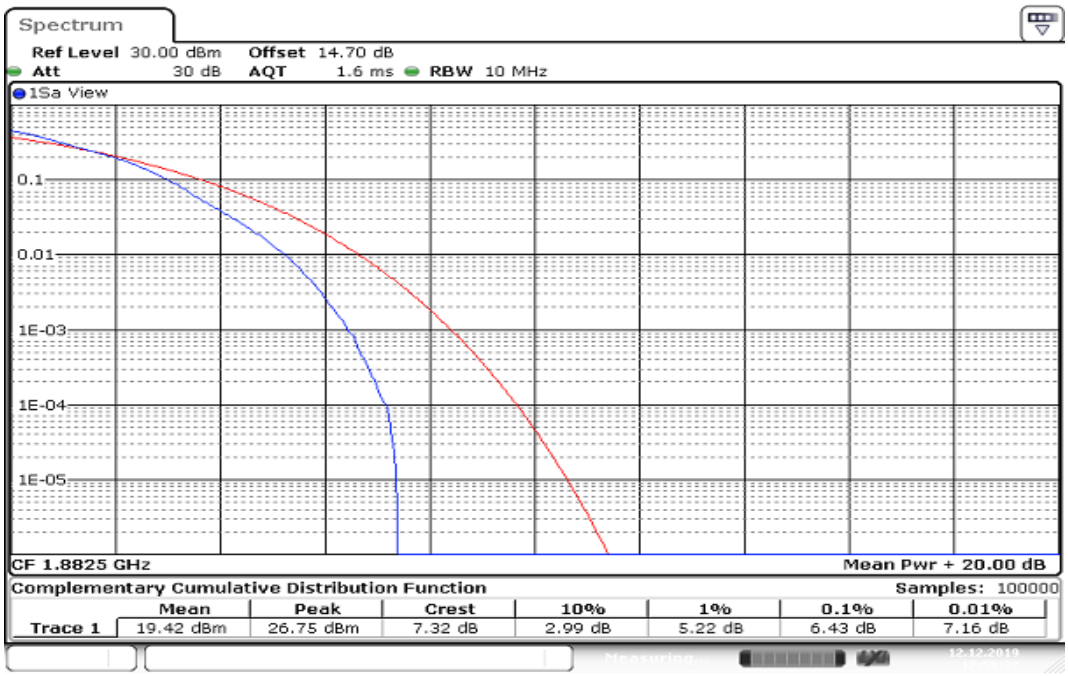
Date: 12.DEC.2019 18:55:36

BW: 10MHz / QPSK /RB =100%, RB Offset = 0
CH Mid



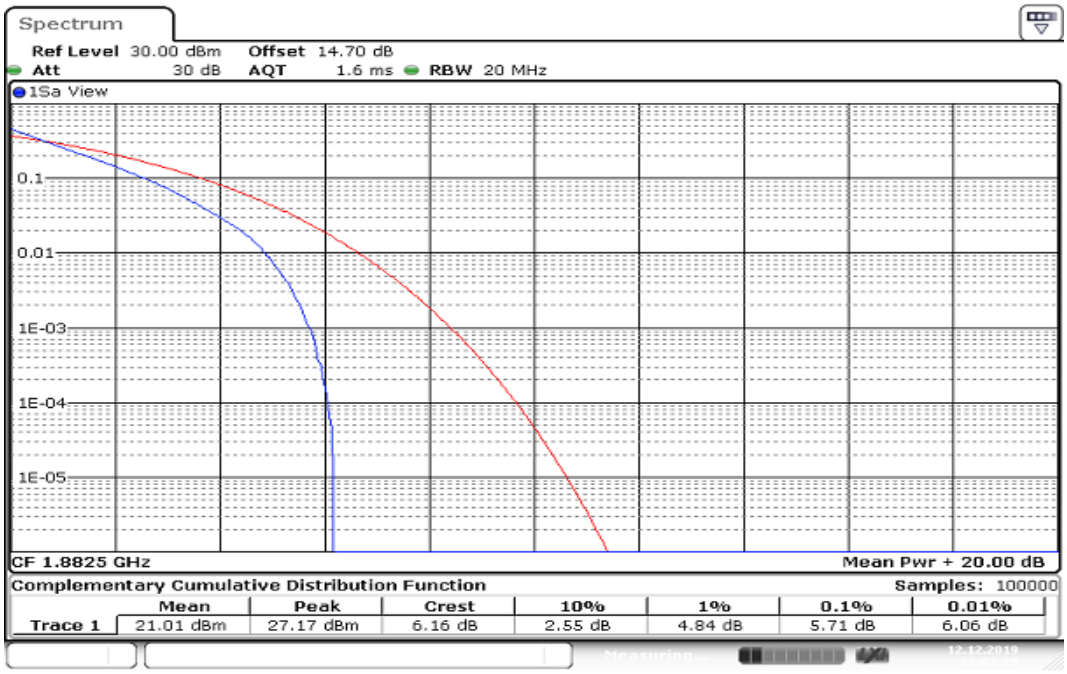
Date: 12.DEC.2019 17:58:17

BW: 10MHz / 16QAM /RB =100%, RB Offset = 0
CH Mid



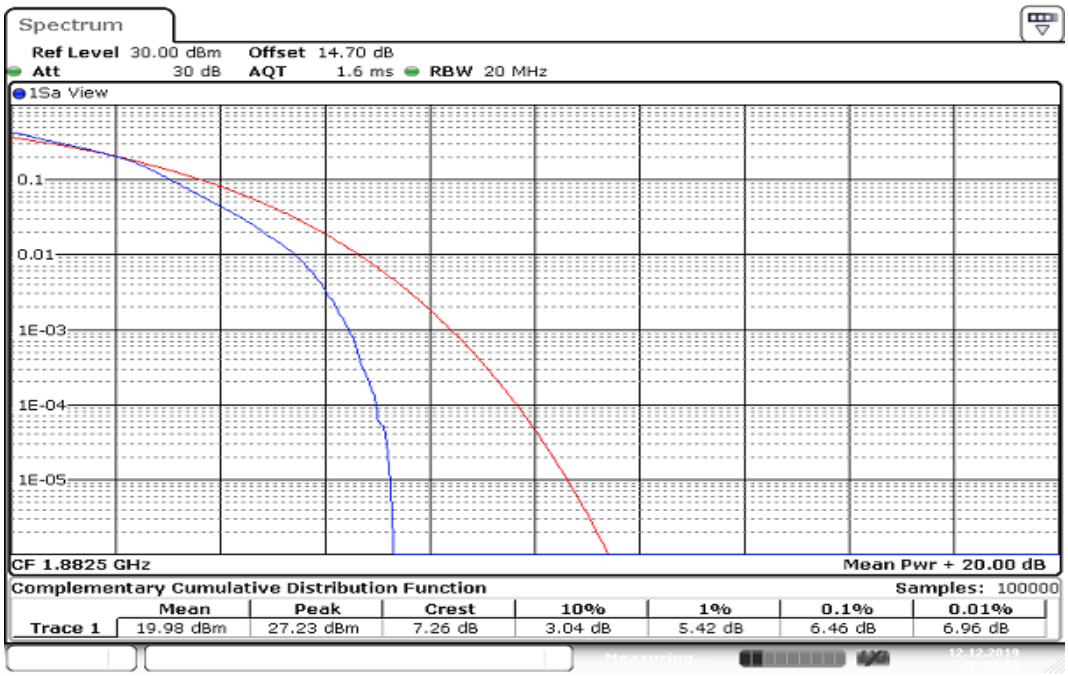
Date: 12.DEC.2019 17:59:32

BW: 15MHz / QPSK /RB =100%, RB Offset = 0
CH Mid



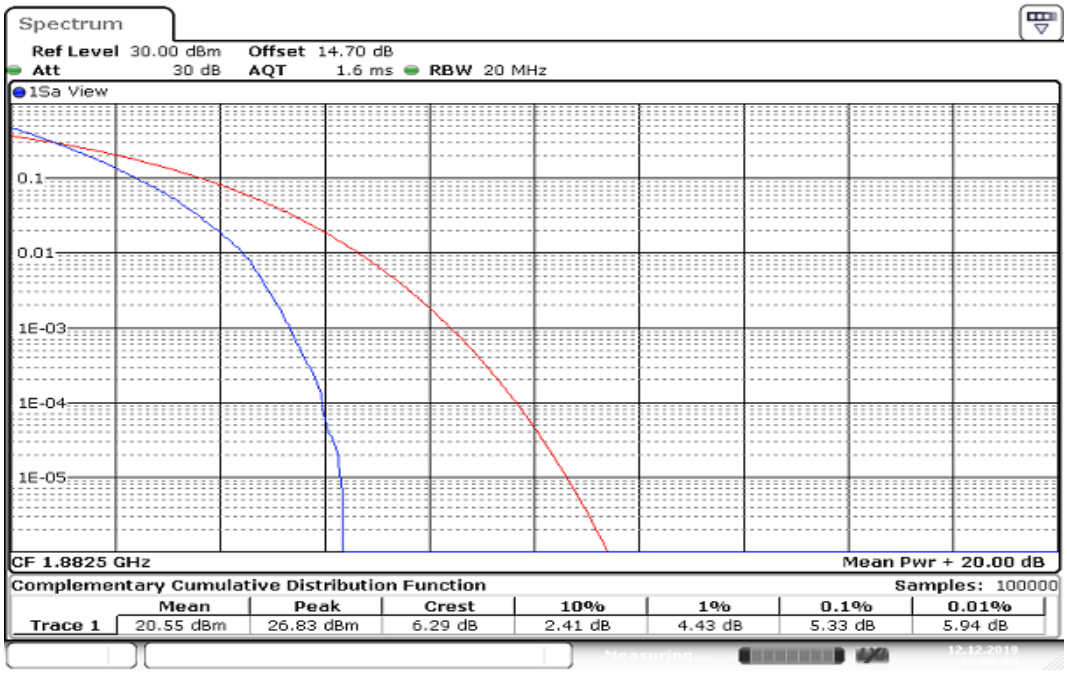
Date: 12.DEC.2019 18:02:25

BW: 15MHz / 16QAM /RB =100%, RB Offset = 0
CH Mid



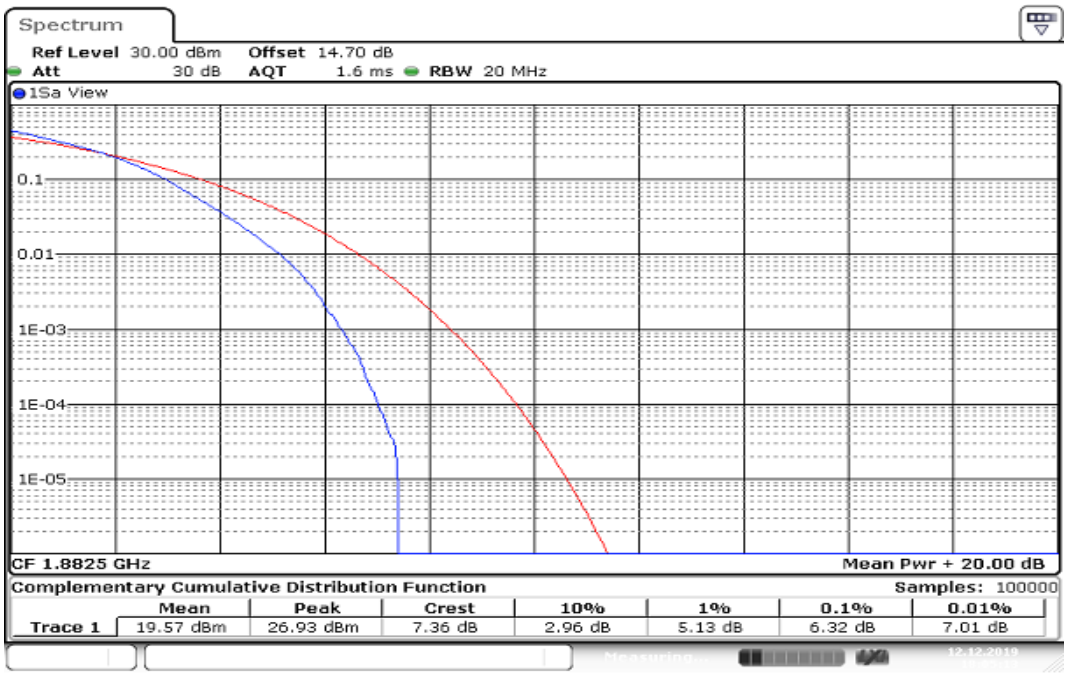
Date: 12.DEC.2019 18:00:59

BW: 20MHz / QPSK / RB =100%, RB Offset = 0
CH Mid



Date: 12.DEC.2019 18:06:05

BW: 20MHz / 16QAM / RB =100%, RB Offset = 0
CH Mid



Date: 12.DEC.2019 18:05:13