

TEST REPORT

Report No. : CQASZ20210300359E-01
Applicant: JXD TECHNOLOGY CO.,LTD
Address of Applicant: OFFICE NO.12 19/F ,HO KING COMMERCIAL CENTRE, NO.2-16 FA YUEN STREET ,MONGKOKKOWLOON,HONGKONG
Equipment Under Test (EUT):
EUT Name: LTE CPE
Model No.: A311-ZEV, A311-ZIV
Test Model No.: A311-ZEV
Brand Name: N/A
FCC ID: 2AZG9-JXDA311
Standards: 47 CFR Part 2
47 CFR Part 27
Date of Receipt: 2021-03-26
Date of Test: 2021-03-26 to 2021-4-06
Date of Issue: 2021-04-06
Test Result : PASS*

* In the configuration tested, the EUT complied with the standards specified above

Tested By:

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Approved By:

Jack Ai

(Jack Ai)



1 Version

Report No.	Version	Description	Issue Date
CQASZ20210300359E-01	Rev.01	Initial report	2021-04-06

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3 Test Summary

LTE band 4				
Test Item	FCC Rule No.	Requirement	Test Result	Verdict
Effective Radiated Power of Transmitter (EIRP)	Part 2.1046(a) / Part 27.50(d)	$EIRP \leq 1\text{ W}$	Appendix A	PASS
peak-to-average ratio	Part 27.50(d)	Limit $\leq 13\text{ dB}$	Appendix B	PASS
99% & 26dB Occupied Bandwidth	Part 2.1049(h)	OBW: No limit. EBW: No limit.	Appendix C	PASS
Band Edge	Part 2.1051/ Part 27.53(h)	$\leq -13\text{ dBm}/1\% \cdot \text{EBW}$, in 1 MHz bands immediately outside and adjacent to the frequency block.	Appendix D	PASS
Spurious emissions at antenna terminals	Part 2.1051/ Part 27.53(h)	$\leq -13\text{ dBm}/1\text{ MHz}$, from 9 kHz to 10th harmonics but outside authorized operating frequency ranges.	Appendix E	PASS
Frequency stability	Part 2.1055/Part 27.54	$\leq \pm 2.5\text{ ppm}$.	Appendix: F	PASS
Field strength of spurious radiation	Part 2.1053/ Part 27.53(h)	$\leq -13\text{ dBm}/1\text{ MHz}$.	Appendix G	PASS

Remark:

Tx: In this whole report Tx (or tx) means Transmitter.

Rx: In this whole report Rx (or rx) means Receiver.

RF: In this whole report RF means Radiated Frequency.

CH: In this whole report CH means channel.

Volt: In this whole report Volt means Voltage.

Temp: In this whole report Temp means Temperature.

Humid: In this whole report Humid means humidity.

Press: In this whole report Press means Pressure.

N/A: In this whole report not application

4 General Information

4.1 Client Information

Applicant:	JXD TECHNOLOGY CO.,LTD
Address of Applicant:	OFFICE NO.12 19/F ,HO KING COMMERCIAL CENTRE, NO.2-16 FA YUEN STREET ,MONGKOKKOWLOON,HONGKONG
Manufacturer:	JXD TECHNOLOGY CO.,LTD
Address of Manufacturer:	OFFICE NO.12 19/F ,HO KING COMMERCIAL CENTRE, NO.2-16 FA YUEN STREET ,MONGKOKKOWLOON,HONGKONG
Factory:	YaoJin Technology (Shenzhen) Co.,Ltd
Address of Factory:	ABao Park,Shui Tian NO.4 Industrial Area,Shi Yan Town,Bao An,Shen Zhen,CHINA

4.2 General Description of EUT

Product Name:	LTE CPE
Model No.(EUT):	A311-ZEV, A311-ZIV
Trade mark:	A311-ZEV
Firmware version:	V1.0
Hardware version:	V3.0
Frequency Band:	LTE Band 4: Tx:1710 - 1755 MHz; Rx:2110 - 2155MHz
Modulation Type:	QPSK, 16QAM
Sample Type:	mobile product
Antenna Type:	External antenna
Antenna Gain:	2 dBi
Power Supply:	DC 12V 1A
Test Voltage:	110V 60HZ

4.3 Description of Support Units

The EUT has been tested with associated equipment below.

1) Support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
IPHNE	APPLE	5C	/	CQA

2) Cable

Cable No.	Description	Manufacturer	Cable Type/Length	Supplied by
/	/	/	/	/

4.4 Test Location

All tests were performed at:

Shenzhen Huaxia Testing Technology Co., Ltd,

1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua District,
Shenzhen, China

4.5 Deviation from Standards

None.

4.6 Abnormalities from Standard Conditions

None.

4.7 Other Information Requested by the Customer

None.

4.8 Measurement Uncertainty (95% confidence levels, k=2)

The data and results referenced in this document are true and accurate.

The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities.

The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 „Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements“ and is documented in the **Shenzhen Huaxia Testing Technology Co., Ltd.** quality system acc. to DIN EN ISO/IEC 17025.

Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for CQA laboratory is reported:

No.	Item	Uncertainty	Notes
1	Radiated Emission (Below 1GHz)	±5.12dB	(1)
2	Radiated Emission (Above 1GHz)	±4.60dB	(1)
3	Conducted Disturbance (0.15~30MHz)	±3.34dB	(1)
4	Radio Frequency	3×10^{-8}	(1)
5	Duty cycle	0.6 %.	(1)
6	Occupied Bandwidth	1.1%	(1)
7	RF conducted power	0.86dB	(1)
8	RF power density	0.74	(1)
9	Conducted Spurious emissions	0.86dB	(1)
10	Temperature test	0.8℃	(1)
11	Humidity test	2.0%	(1)
12	Supply voltages	0.5 %.	(1)
13	time	0.6 %.	(1)
14	Frequency Error	5.5 Hz	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

5 Equipment List

Test Equipment	Manufacturer	Model No.	Instrument No.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR7	CQA-005	2020/9/26	2021/9/25
Spectrum analyzer	R&S	FSU26	CQA-038	2020/10/23	2021/10/22
Preamplifier	MITEQ	AFS4-00010300-18-10P-4	CQA-035	2020/9/26	2021/9/25
Preamplifier	MITEQ	AMF-6D-02001800-29-20P	CQA-036	2020/10/21	2021/10/20
Loop antenna	Schwarzbeck	FMZB1516	CQA-065	2020/9/25	2021/9/24
Bilog Antenna	R&S	HL562	CQA-011	2020/9/26	2021/9/25
Horn Antenna	R&S	HF906	CQA-012	2020/9/26	2021/9/25
Horn Antenna	Schwarzbeck	BBHA 9170	CQA-088	2020/10/25	2021/10/24
Coaxial Cable (Above 1GHz)	CQA	N/A	C019	2020/10/25	2021/10/24
Coaxial Cable (Below 1GHz)	CQA	N/A	C020	2020/10/25	2021/10/24
Antenna Connector	CQA	RFC-01	CQA-080	2020/9/26	2021/9/25
RF cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2020/9/26	2021/9/25
Power divider	MIDWEST	PWD-2533-02-SMA-79	CQA-067	2020/9/26	2021/9/25
EMI Test Receiver	R&S	ESPI3	CQA-013	2020/9/26	2021/9/25
LISN	R&S	ENV216	CQA-003	2020/11/5	2021/11/4
Coaxial cable	CQA	N/A	CQA-C009	2020/9/26	2021/9/25

6 Radio Technical Requirements Specification

Reference documents for testing:

No.	Identity	Document Title
1	PART 27	PART 27 – MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES Subpart C – Technical Standards
2	PART 2	Frequency allocations and radio treaty matters; general rules and regulations
3	TIA-603-E-2016	Land Mobile FM or PM -Communications Equipment -Measurement and Performance Standards
4	KDB971168 D01	KDB971168 D01 Power Meas License Digital Systems v03r01
5	ANSI C63.26-2015	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

7 Description of Tests

7.1 Conducted Output Power

Measurement Procedure: FCC KDB 971168 D01 V03r01

The transmitter output was connected to a calibrated coaxial cable, attenuator and power meter, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The power output at the transmitter antenna port was determined by adding the value of the cable insertion loss to the power reading. The tests were performed at three frequencies (low channel, middle channel and high channel) and on the highest power levels, which can be setup on the transmitters.

Remark: Reference test setup 1

7.2 Effective (Isotropic) Radiated Power of Transmitter

Measurement Procedure: FCC KDB 971168 D01 V03r01 ; C63.26 (2015)

Calculate power in dBm by the following formula:

ERP (dBm) = Conducted Power (dBm) + antenna gain (dBd)

EIRP(dBm) = Conducted Power (dBm) + antenna gain (dBi)

EIRP=ERP+2.15dB

7.3 Occupied Bandwidth

Measurement Procedure: FCC KDB 971168 D01 V03r01 Section 4.2

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured. The transmitter output was connected to a calibrated coaxial cable, attenuator and Spectrum analyser, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at three frequencies (low channel, middle channel and high channel).The span of the

analyzer shall be set to capture all products of the modulation process, including the emission skirts. The resolution bandwidth shall be set to as close to 1 percent of the selected span as is possible without being below 1 percent. The video bandwidth shall be set to 3 times the resolution bandwidth. Video averaging is not permitted. Where practical, a sampling detector shall be used since a peak or, peak hold, may produce a wider bandwidth than actual. The trace data points are recovered and are directly summed in linear terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 percent of the total is reached and that frequency recorded. The process is repeated for the highest frequency data points. This frequency is recorded. The span between the two recorded frequencies is the occupied bandwidth.

Remark: Reference test setup 1

Test Settings

1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 99% occupied bandwidth and the 26dB bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1 – 5% of the expected OBW
3. VBW $\geq$ 3 x RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. The trace was allowed to stabilize
8. If necessary, steps 2 – 7 were repeated after changing the RBW such that it would be within 1 – 5% of the 99% occupied bandwidth observed in Step 7

7.4 Band Edge at Antenna Terminals

Measurement Procedure: FCC KDB 971168 D01 V03r01 Section 6.0

The transmitter output was connected to a calibrated coaxial cable, attenuator and Spectrum analyser, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at two frequencies (low channel and high channel).in the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of 100kHz or 1%of the emission bandwidth of the fundamental emission of the transmitter may be employed. The EUT emission bandwidth is measured as the width of the signal between two points, outside of which all emission are attenuated at least 26dB below the transmitter power. The video bandwidth of the spectrum analyzer was set at thrice the resolution bandwidth. Detector Mode was set to peak or peak hold power.

Remark: Reference test setup 1

Test Settings

1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. RBW $\geq$ 1% of the emission bandwidth
4. VBW $\geq$ 3 x RBW
5. Detector = RMS
6. Number of sweep points $\geq$ 2 x Span/RBW
7. Trace mode = trace average for continuous emissions, max hold for pulse emissions
8. Sweep time = auto couple
9. The trace was allowed to stabilize

7.5 Terminals Spurious And Harmonic Emissions at Antenna Terminal

Measurement Procedure: FCC KDB 971168 D01 V03r01 Section 6.0

The transmitter output was connected to a calibrated coaxial cable, attenuator and Spectrum analyzer, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at three frequencies (low channel and high channel). The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. On any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least $43 + 10 \log(P)$ dB. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. 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. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.

Remark: Reference test setup 1

Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to at least 10 * the fundamental frequency (separated into at least two plots per channel)
2. Detector = RMS
3. Trace mode = trace average for continuous emissions, max hold for pulse emissions
4. Sweep time = auto couple
5. The trace was allowed to stabilize
6. Please see test notes below for RBW and VBW settings

7.6 Peak-Average Ratio

Measurement Procedure: FCC KDB 971168 D01 V03r01 Section 5.7.1

A peak to average ratio measurement is performed at the conducted port of the EUT. For WCDMA signals, the spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement

profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level. For GSM signals, an average and a peak trace are used on a spectrum analyzer to determine the largest deviation between the average and the peak power of the EUT in a bandwidth greater than the emission bandwidth. The traces are generated with the spectrum analyzer set to zero span mode.

Remark: Reference test setup 1

Test Settings

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW > Emission bandwidth of signal
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

7.7 Field Strength of Spurious Radiation

Measurement Procedure: FCC KDB 971168 D01 V03r01

Below 1GHz test procedure as below:

- 1). The EUT was powered ON and placed on a 80cmhigh table in the chamber. The antenna of the transmitter was extended to its maximum length.
- 2). The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m(for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.
- 3). Steps 1) and 2) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.
- 4). The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter.
- 5). A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 2) is obtained for this set of conditions.
- 6). The output power into the substitution antenna was then measured.
- 7). Steps 5) and 6) were repeated with both antennas polarized.

8) Calculate power in dBm by the following formula:

$$\text{ERP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBd)}$$

Where:

Pd is the dipole equivalent power, Pg is the generator output into the substitution antenna, and the antenna gain is the gain of the substitute antenna used relative to either a half-wave dipole (dBd) or an isotropic source (dBi). The substitute level is equal to Pg [dBm] – cable loss [dB]. The calculated Pd levels are then compared to the absolute spurious emission limit of -13dBm which is equivalent to the required minimum attenuation of $43 + 10\log_{10}(\text{Power [Watts]})$.

Above 1GHz test procedure as below:

1) Different between above is the test site, change from Semi- Anechoic

Chamber to fully Anechoic Chamber

2) Calculate power in dBm by the following formula:

$$\text{EIRP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}$$

$$\text{EIRP} = \text{ERP} + 2.15\text{dB}$$

Where:

Pg is the generator output power into the substitution antenna.

3. Test the EUT in the lowest channel, the middle channel the Highest channel

4. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, Only the test worst case mode is recorded in the report.

5. Repeat above procedures until all frequencies measured was complete

Remark: Reference test setup 3

7.8 Radiation Frequency Stability / Temperature Variation

Measurement Procedure:

Frequency stability testing is performed in accordance with the guidelines of FCC KDB 971168 D01 V03r01; ANSI/C63.26 (2015)

. The frequency stability of the transmitter is measured by:

a.) Temperature: The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.

b.) Primary Supply Voltage: The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

Specification – The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency.

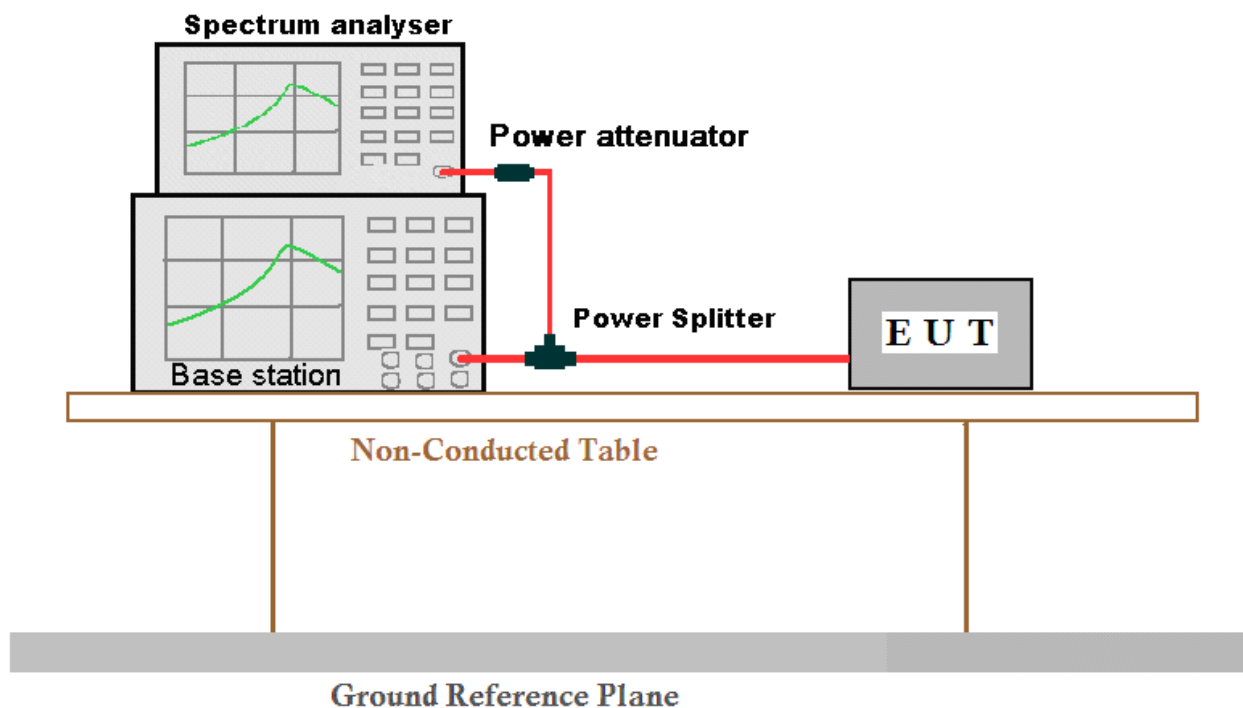
Time Period and Procedure:

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

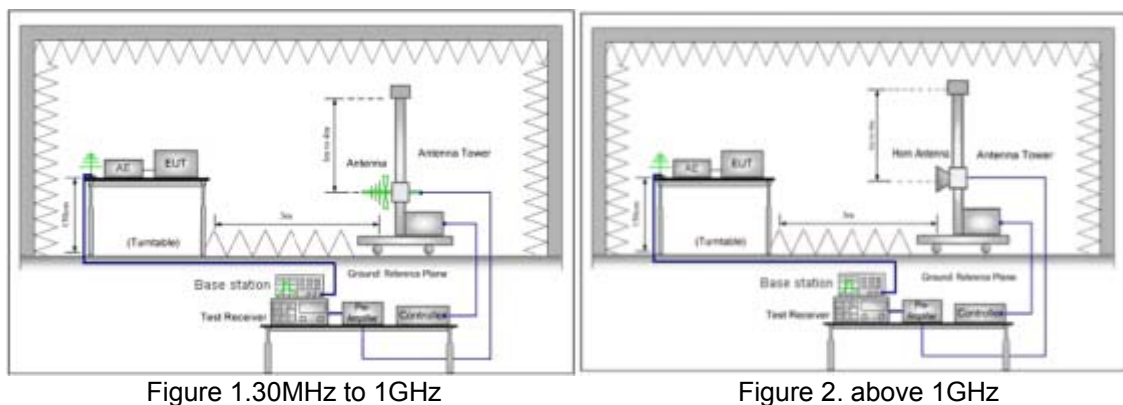
Remark: Reference test setup 4

7.9 Test setup

7.9.1 Test setup 1



7.9.2 Test setup 2



7.9.3 Test setup 3

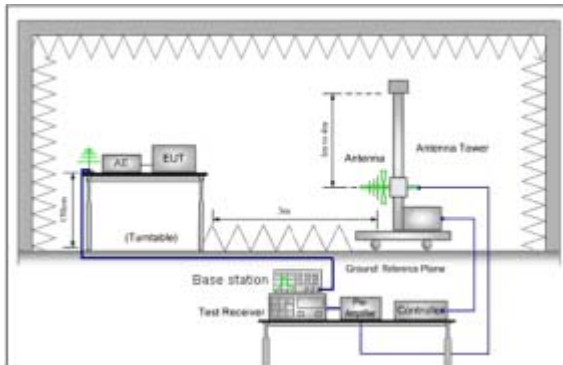


Figure 1. 30MHz to 1GHz

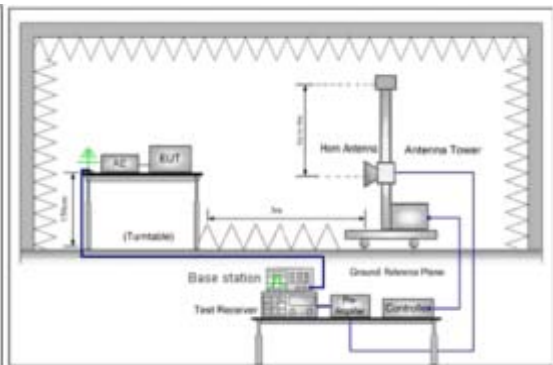


Figure 2. above 1GHz

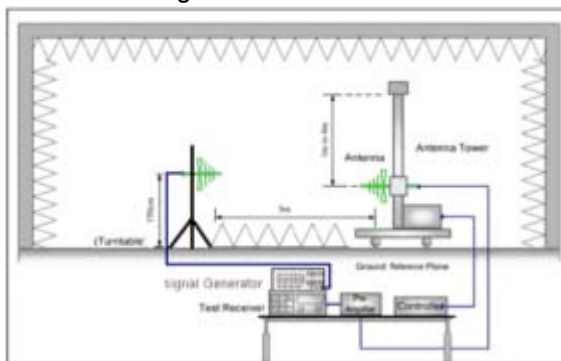


Figure 1. 30MHz to 1GHz

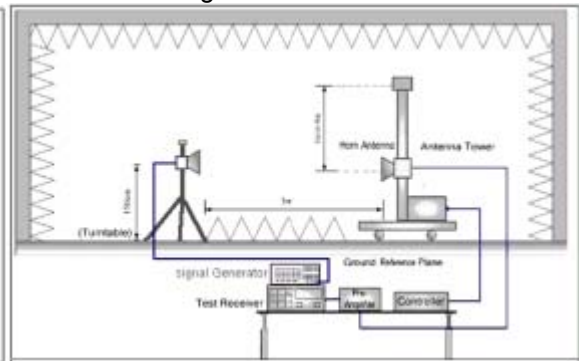
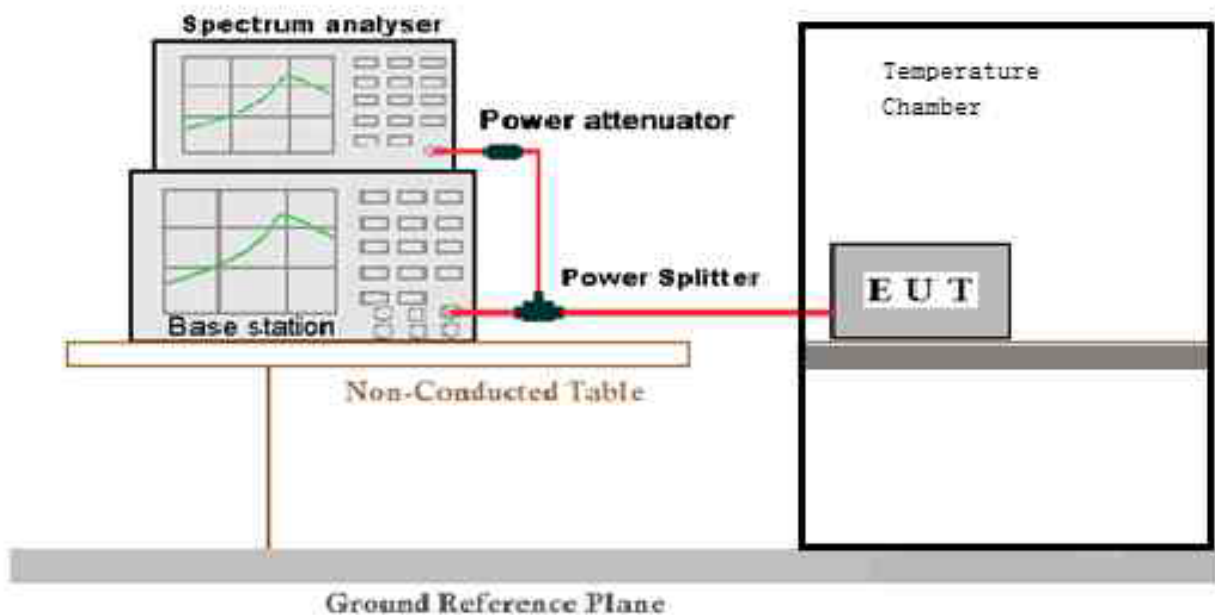


Figure 2. above 1GHz

7.9.4 Test setup 4



7.10 Test Environment

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010mbar

7.11 Test Condition

Test channel:

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)	Number [DL]	Frequency of Downlink(MHz)
LTE band 4 TX:1710–1755 MHz RX:2110–2155 MHz	Low Range	1.4	19957	1710.7	1957	2110.7
		3	19965	1711.5	1965	2111.5
		5	19976	1712.5	1975	2112.5
		10	20000	1715	2000	2115.0
		15	20025	1717.5	2026	2117.6
		20	20050	1720	2050	2120.0
	Mid Range	1.4/3/5/10/15/20	20176	1732.5	2175	2132.5
	High Range	1.4	20393	1754.3	2393	2154.3
		3	20385	1753.5	2386	2153.5
		5	20375	1752.5	2376	2152.5
		10	20350	1750	2350	2160.0
		15	20325	1747.5	2325	2147.5
		20	20300	1745	2300	2145.0

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	conducted output power Result(dBm)	Antenna Gain(dBi)	EIRP(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.57	2	24.57	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	21.83	2	23.83	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.01	2	24.01	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	21.94	2	23.94	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	21.96	2	23.96	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	21.99	2	23.99	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.35	2	23.35	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.53	2	25.53	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.42	2	25.42	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.54	2	25.54	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.41	2	25.41	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.37	2	25.37	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	23.37	2	25.37	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.88	2	24.88	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	21.15	2	23.15	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	21.02	2	23.02	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	21.18	2	23.18	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	21.19	2	23.19	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	21.2	2	23.2	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	21.13	2	23.13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	20.54	2	22.54	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.2	2	23.2	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.29	2	23.29	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.35	2	23.35	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.27	2	23.27	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.24	2	23.24	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.3	2	23.3	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.97	2	22.97	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	23.26	2	25.26	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	23.04	2	25.04	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	23.2	2	25.2	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	23.01	2	25.01	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	22.96	2	24.96	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	23.03	2	25.03	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	22.54	2	24.54	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	20.54	2	22.54	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	20.54	2	22.54	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	20.55	2	22.55	PASS

Band4	1.4MHz	16QAM	20393	3RB#0	20.6	2	22.6	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	20.58	2	22.58	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	20.59	2	22.59	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.19	2	22.19	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.32	2	24.32	PASS
Band4	3MHz	QPSK	19965	1RB#8	21.87	2	23.87	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.32	2	24.32	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.42	2	23.42	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.39	2	23.39	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.42	2	23.42	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.31	2	23.31	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.53	2	25.53	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.15	2	25.15	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.36	2	25.36	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.8	2	24.8	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.75	2	24.75	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.84	2	24.84	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.69	2	24.69	PASS
Band4	3MHz	QPSK	20385	1RB#0	21.47	2	23.47	PASS
Band4	3MHz	QPSK	20385	1RB#8	20.64	2	22.64	PASS
Band4	3MHz	QPSK	20385	1RB#14	21.14	2	23.14	PASS
Band4	3MHz	QPSK	20385	8RB#0	20.53	2	22.53	PASS
Band4	3MHz	QPSK	20385	8RB#4	20.53	2	22.53	PASS
Band4	3MHz	QPSK	20385	8RB#7	20.37	2	22.37	PASS
Band4	3MHz	QPSK	20385	15RB#0	20.37	2	22.37	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.84	2	23.84	PASS
Band4	3MHz	16QAM	19965	1RB#8	20.95	2	22.95	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.76	2	23.76	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.05	2	23.05	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.03	2	23.03	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.02	2	23.02	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.9	2	22.9	PASS
Band4	3MHz	16QAM	20175	1RB#0	23.19	2	25.19	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.61	2	24.61	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.62	2	24.62	PASS
Band4	3MHz	16QAM	20175	8RB#0	22.29	2	24.29	PASS
Band4	3MHz	16QAM	20175	8RB#4	22.3	2	24.3	PASS
Band4	3MHz	16QAM	20175	8RB#7	22.33	2	24.33	PASS
Band4	3MHz	16QAM	20175	15RB#0	22.24	2	24.24	PASS
Band4	3MHz	16QAM	20385	1RB#0	20.92	2	22.92	PASS
Band4	3MHz	16QAM	20385	1RB#8	20.03	2	22.03	PASS
Band4	3MHz	16QAM	20385	1RB#14	20.77	2	22.77	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.11	2	22.11	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.1	2	22.1	PASS
Band4	3MHz	16QAM	20385	8RB#7	19.88	2	21.88	PASS

Band4	3MHz	16QAM	20385	15RB#0	20.02	2	22.02	PASS
Band4	5MHz	QPSK	19975	1RB#0	21.91	2	23.91	PASS
Band4	5MHz	QPSK	19975	1RB#12	21.54	2	23.54	PASS
Band4	5MHz	QPSK	19975	1RB#24	21.96	2	23.96	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.15	2	23.15	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.16	2	23.16	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.18	2	23.18	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.18	2	23.18	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.31	2	25.31	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.94	2	24.94	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.14	2	25.14	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.56	2	24.56	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.55	2	24.55	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.25	2	24.25	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.65	2	24.65	PASS
Band4	5MHz	QPSK	20375	1RB#0	21.64	2	23.64	PASS
Band4	5MHz	QPSK	20375	1RB#12	20.87	2	22.87	PASS
Band4	5MHz	QPSK	20375	1RB#24	21.13	2	23.13	PASS
Band4	5MHz	QPSK	20375	12RB#0	20.71	2	22.71	PASS
Band4	5MHz	QPSK	20375	12RB#6	20.74	2	22.74	PASS
Band4	5MHz	QPSK	20375	12RB#13	20.39	2	22.39	PASS
Band4	5MHz	QPSK	20375	25RB#0	20.59	2	22.59	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.39	2	23.39	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.05	2	23.05	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.39	2	23.39	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.76	2	22.76	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.77	2	22.77	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.76	2	22.76	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.82	2	22.82	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.81	2	24.81	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.53	2	24.53	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.6	2	24.6	PASS
Band4	5MHz	16QAM	20175	12RB#0	22.1	2	24.1	PASS
Band4	5MHz	16QAM	20175	12RB#6	22.1	2	24.1	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.79	2	23.79	PASS
Band4	5MHz	16QAM	20175	25RB#0	22.27	2	24.27	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.11	2	23.11	PASS
Band4	5MHz	16QAM	20375	1RB#12	20.56	2	22.56	PASS
Band4	5MHz	16QAM	20375	1RB#24	20.51	2	22.51	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.34	2	22.34	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.38	2	22.38	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.08	2	22.08	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.25	2	22.25	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.32	2	24.32	PASS
Band4	10MHz	QPSK	20000	1RB#24	21.07	2	23.07	PASS

Band4	10MHz	QPSK	20000	1RB#49	22.22	2	24.22	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.08	2	23.08	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.11	2	23.11	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.12	2	23.12	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.03	2	23.03	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.25	2	25.25	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.75	2	24.75	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.7	2	25.7	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.46	2	24.46	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.44	2	24.44	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.42	2	24.42	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.73	2	24.73	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.84	2	24.84	PASS
Band4	10MHz	QPSK	20350	1RB#24	21	2	23	PASS
Band4	10MHz	QPSK	20350	1RB#49	21.68	2	23.68	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.1	2	23.1	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.13	2	23.13	PASS
Band4	10MHz	QPSK	20350	25RB#25	20.62	2	22.62	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.08	2	23.08	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.97	2	23.97	PASS
Band4	10MHz	16QAM	20000	1RB#24	20.5	2	22.5	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.83	2	23.83	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.72	2	22.72	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.72	2	22.72	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.56	2	22.56	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.65	2	22.65	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.86	2	24.86	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.95	2	23.95	PASS
Band4	10MHz	16QAM	20175	1RB#49	23.03	2	25.03	PASS
Band4	10MHz	16QAM	20175	25RB#0	22.04	2	24.04	PASS
Band4	10MHz	16QAM	20175	25RB#12	22.01	2	24.01	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.97	2	23.97	PASS
Band4	10MHz	16QAM	20175	50RB#0	22.29	2	24.29	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.31	2	24.31	PASS
Band4	10MHz	16QAM	20350	1RB#24	20.37	2	22.37	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.29	2	23.29	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.76	2	22.76	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.74	2	22.74	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.27	2	22.27	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.71	2	22.71	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.41	2	24.41	PASS
Band4	15MHz	QPSK	20025	1RB#38	21.23	2	23.23	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.44	2	25.44	PASS
Band4	15MHz	QPSK	20025	38RB#0	22.1	2	24.1	PASS
Band4	15MHz	QPSK	20025	38RB#18	20.74	2	22.74	PASS

Band4	15MHz	QPSK	20025	38RB#37	22.88	2	24.88	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.19	2	23.19	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.36	2	25.36	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.89	2	24.89	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.37	2	25.37	PASS
Band4	15MHz	QPSK	20175	38RB#0	22.53	2	24.53	PASS
Band4	15MHz	QPSK	20175	38RB#18	22.07	2	24.07	PASS
Band4	15MHz	QPSK	20175	38RB#37	22.76	2	24.76	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.95	2	24.95	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.67	2	25.67	PASS
Band4	15MHz	QPSK	20325	1RB#38	21.2	2	23.2	PASS
Band4	15MHz	QPSK	20325	1RB#74	21.74	2	23.74	PASS
Band4	15MHz	QPSK	20325	38RB#0	23.34	2	25.34	PASS
Band4	15MHz	QPSK	20325	38RB#18	20.92	2	22.92	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.39	2	23.39	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.15	2	23.15	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.94	2	23.94	PASS
Band4	15MHz	16QAM	20025	1RB#38	20.75	2	22.75	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.83	2	24.83	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.81	2	23.81	PASS
Band4	15MHz	16QAM	20025	38RB#18	20.67	2	22.67	PASS
Band4	15MHz	16QAM	20025	38RB#37	22.92	2	24.92	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.65	2	22.65	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.66	2	24.66	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.27	2	24.27	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.85	2	24.85	PASS
Band4	15MHz	16QAM	20175	38RB#0	22.55	2	24.55	PASS
Band4	15MHz	16QAM	20175	38RB#18	22.03	2	24.03	PASS
Band4	15MHz	16QAM	20175	38RB#37	22.68	2	24.68	PASS
Band4	15MHz	16QAM	20175	75RB#0	22.51	2	24.51	PASS
Band4	15MHz	16QAM	20325	1RB#0	23.11	2	25.11	PASS
Band4	15MHz	16QAM	20325	1RB#38	20.81	2	22.81	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.46	2	23.46	PASS
Band4	15MHz	16QAM	20325	38RB#0	23.24	2	25.24	PASS
Band4	15MHz	16QAM	20325	38RB#18	20.87	2	22.87	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.38	2	23.38	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.8	2	22.8	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.32	2	24.32	PASS
Band4	20MHz	QPSK	20050	1RB#49	21.28	2	23.28	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.7	2	25.7	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.04	2	23.04	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.08	2	23.08	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.12	2	24.12	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.32	2	23.32	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.24	2	24.24	PASS

Band4	20MHz	QPSK	20175	1RB#49	23	2	25	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.11	2	25.11	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.17	2	24.17	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.15	2	24.15	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.42	2	24.42	PASS
Band4	20MHz	QPSK	20175	100RB#0	23.07	2	25.07	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.96	2	25.96	PASS
Band4	20MHz	QPSK	20300	1RB#49	21.97	2	23.97	PASS
Band4	20MHz	QPSK	20300	1RB#99	21.87	2	23.87	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.51	2	24.51	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.52	2	24.52	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.23	2	23.23	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.48	2	23.48	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.82	2	23.82	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.25	2	23.25	PASS
Band4	20MHz	16QAM	20050	1RB#99	23.72	2	25.72	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.7	2	22.7	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.73	2	22.73	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.64	2	23.64	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.81	2	22.81	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.97	2	23.97	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.68	2	24.68	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.81	2	24.81	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.84	2	23.84	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.85	2	23.85	PASS
Band4	20MHz	16QAM	20175	50RB#50	22.11	2	24.11	PASS
Band4	20MHz	16QAM	20175	100RB#0	22.62	2	24.62	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.7	2	25.7	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.54	2	23.54	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.7	2	23.7	PASS
Band4	20MHz	16QAM	20300	50RB#0	22.11	2	24.11	PASS
Band4	20MHz	16QAM	20300	50RB#25	22.11	2	24.11	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.89	2	22.89	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.12	2	23.12	PASS

Note:

1. EIRP=Conducted output power + Antenna Gain
2. RF power is the worst case power from LTE main and diversity antenna, on the worst case was recorded in the report.

Appendix B: Peak-to-Average Ratio(CCDF)

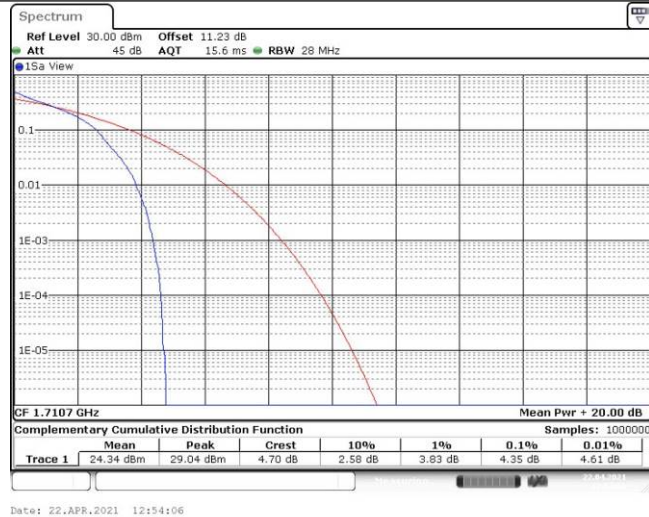
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	4.35	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	4.55	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	5.39	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.71	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	5.51	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.59	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	4.84	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.07	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	6.03	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.32	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.88	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.14	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	4.49	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.78	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	5.54	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.97	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	5.30	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.71	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.07	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.28	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	6.12	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.58	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	5.86	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.29	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	4.52	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.81	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	5.68	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.91	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	4.96	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.59	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	4.81	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.30	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	6.38	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.43	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	5.45	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.14	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	4.03	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.13	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	5.68	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.86	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	4.09	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.19	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	4.70	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	5.62	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	6.32	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.38	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	4.58	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	5.71	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	4.14	13	PASS
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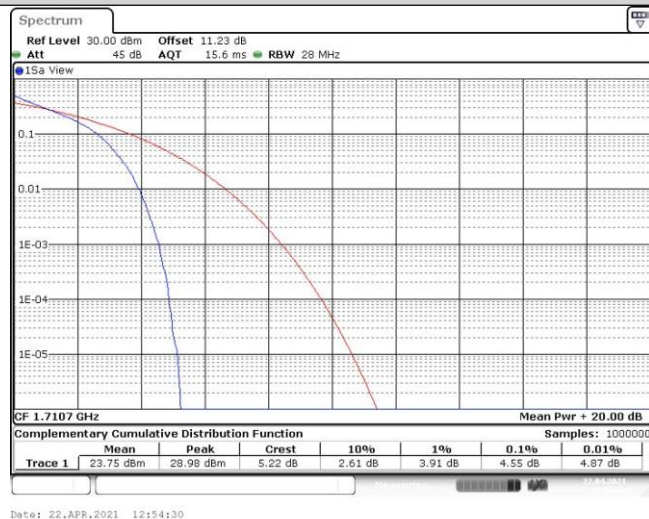
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Band4	15MHz	16QAM	20025	1RB#0	4.72	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.00	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	5.91	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.35	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	4.96	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	5.77	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	4.20	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.68	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	5.54	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.62	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	4.78	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.19	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	4.49	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.17	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	5.57	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.20	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	4.70	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.74	13	PASS

Test Graphs

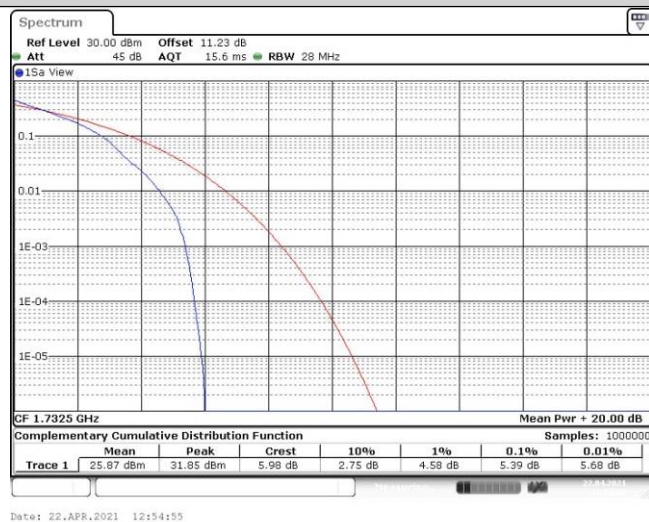
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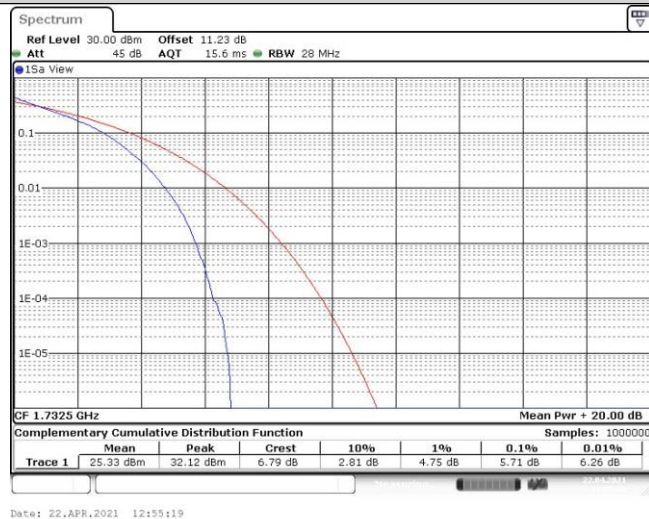
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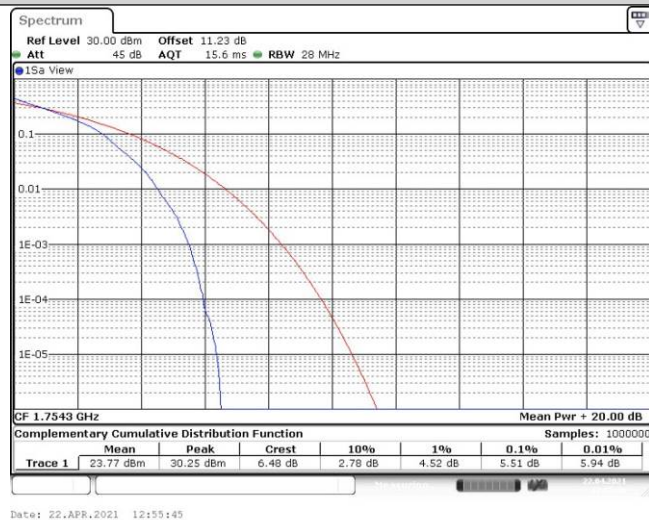
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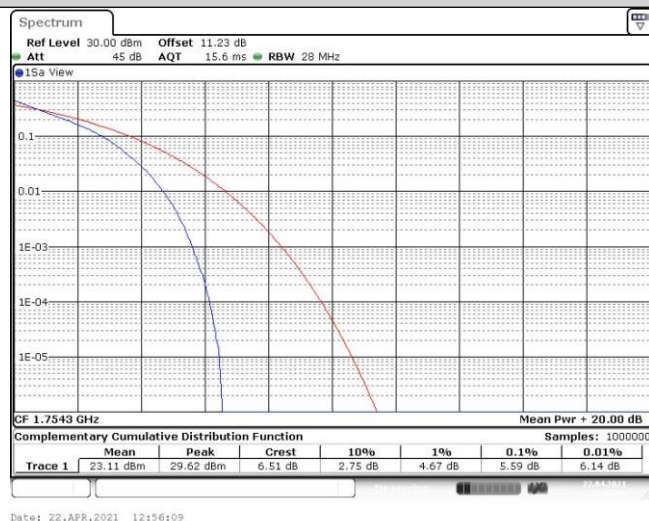
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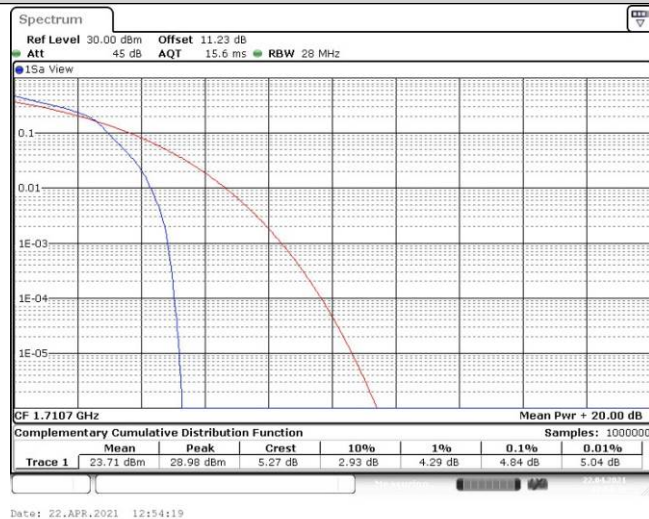
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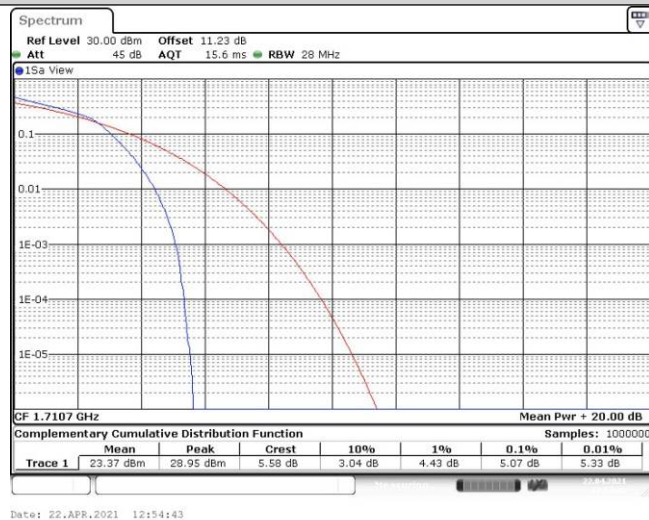
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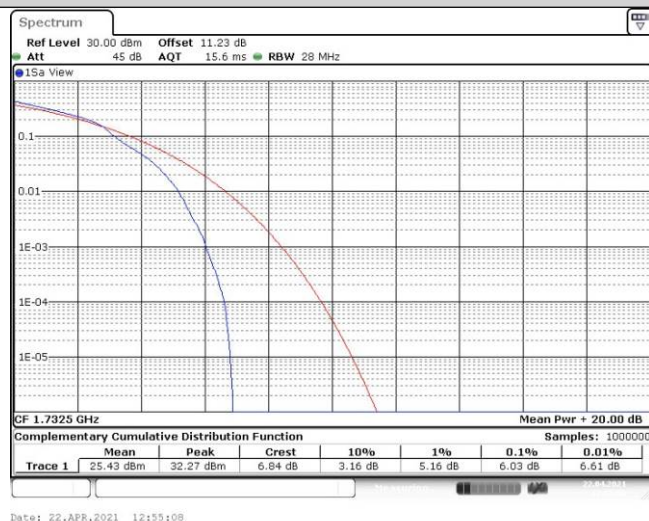
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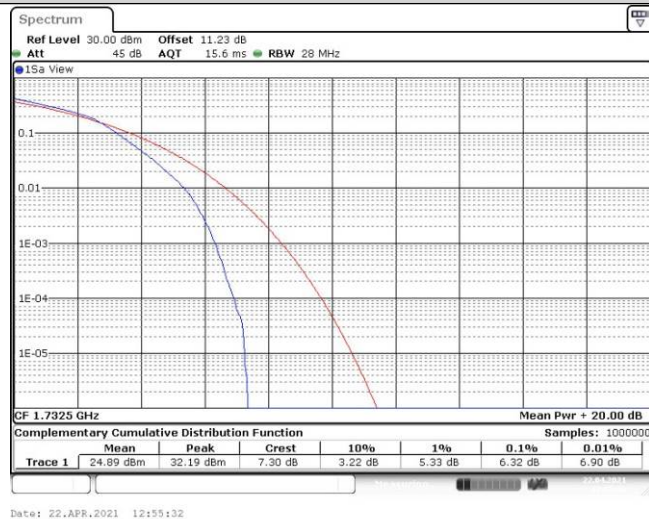
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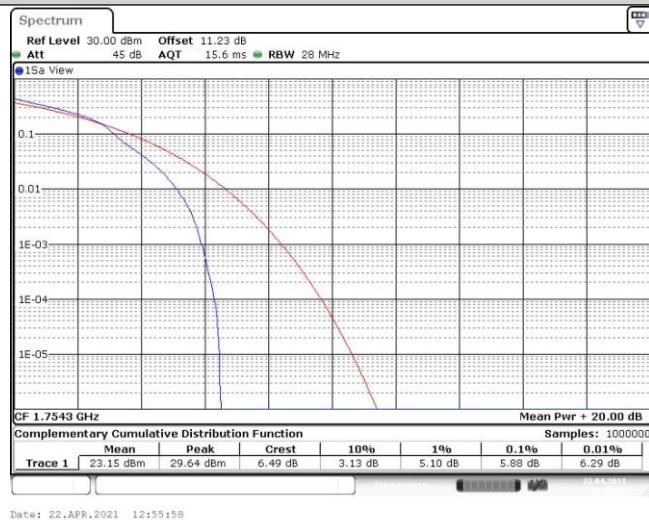
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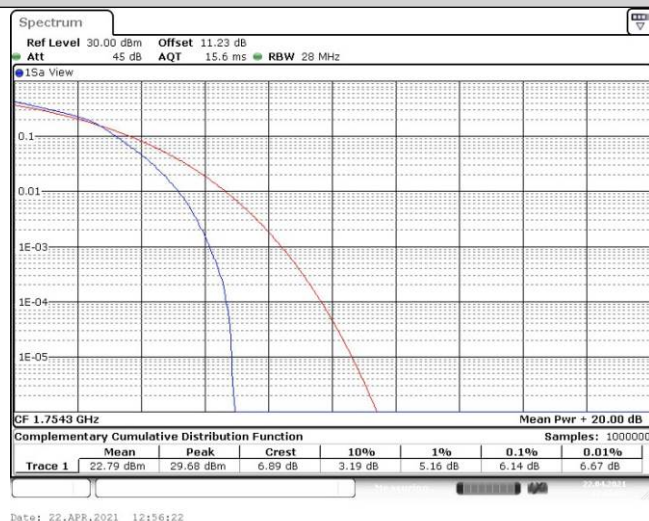
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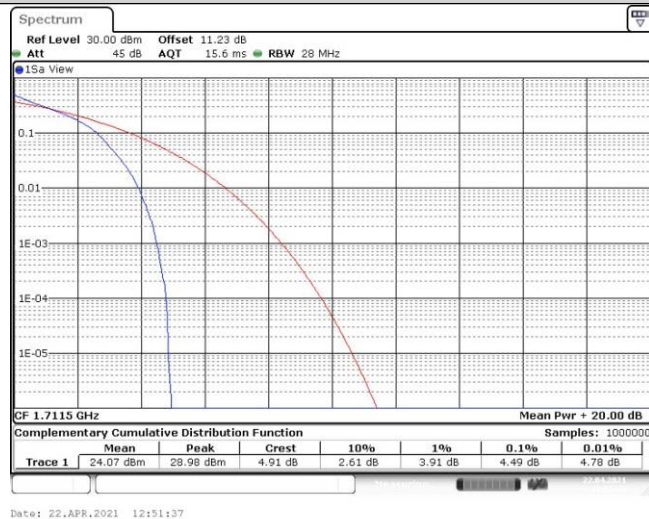
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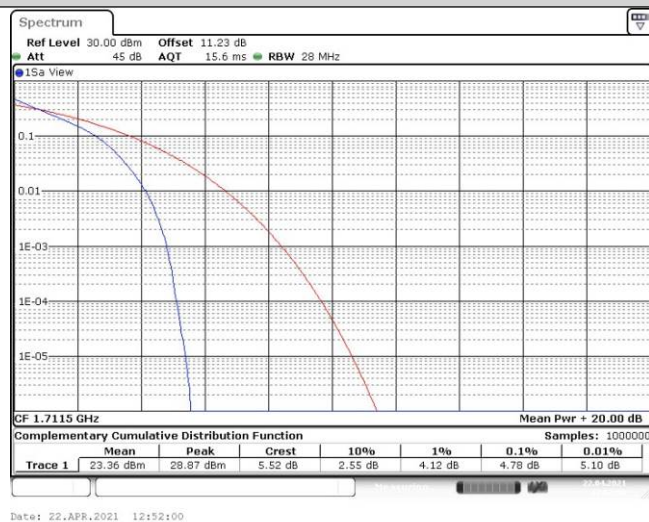
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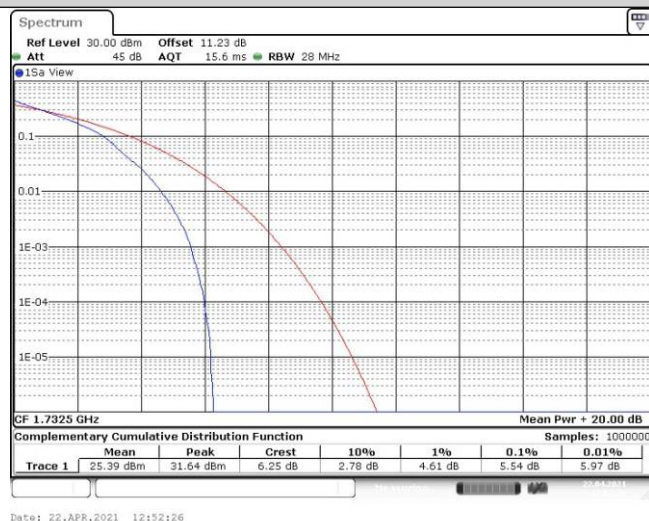
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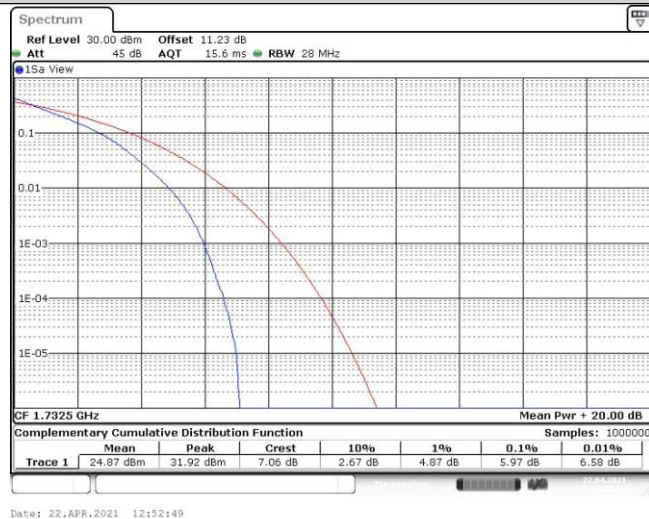
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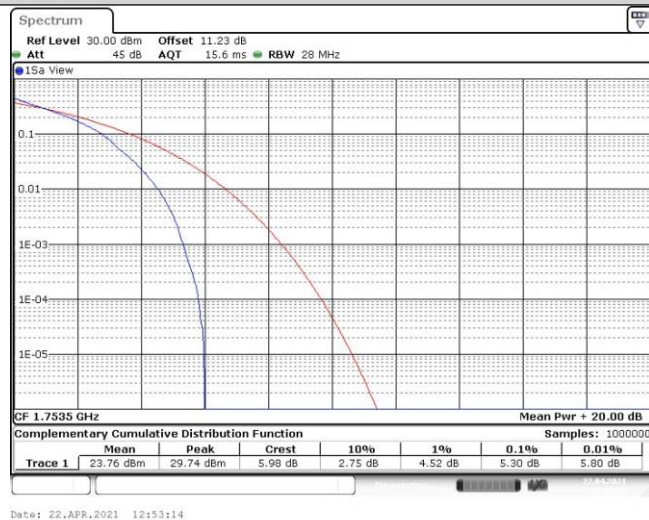
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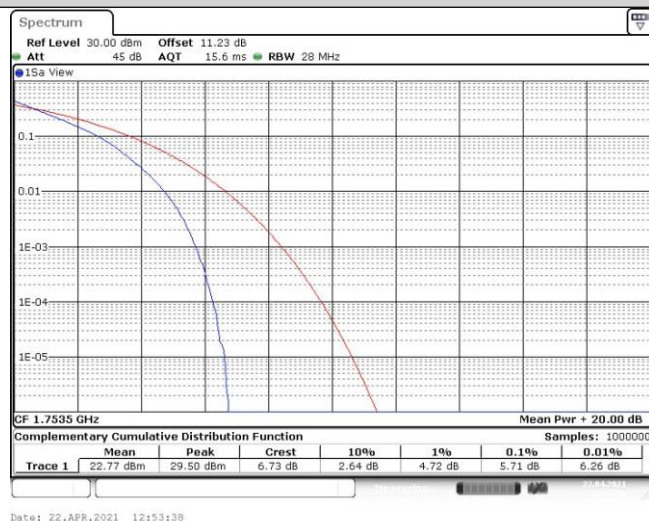
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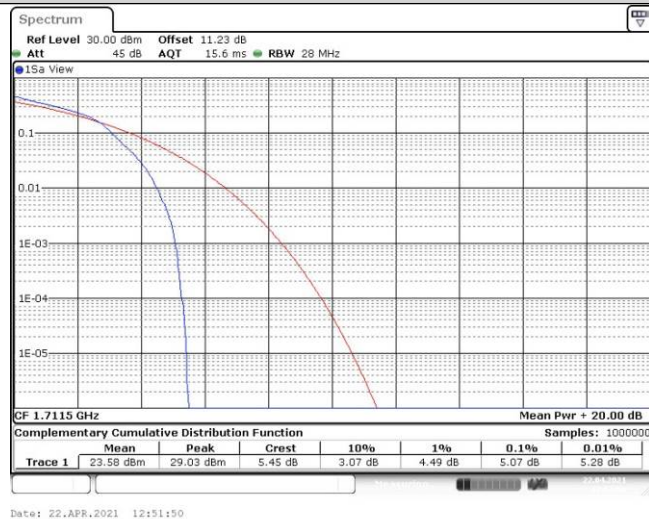
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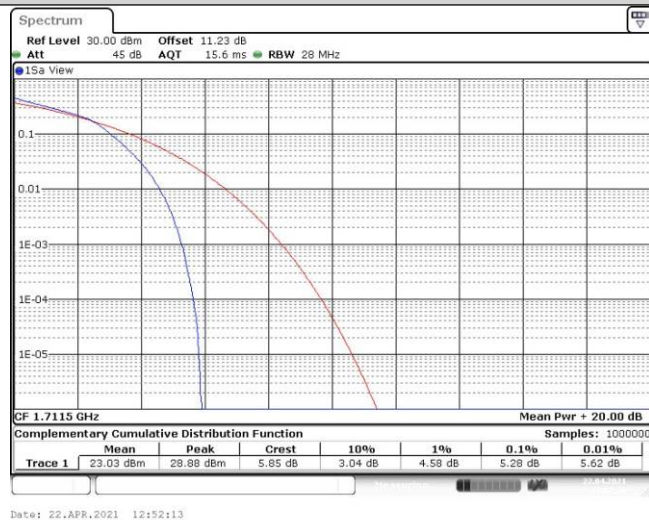
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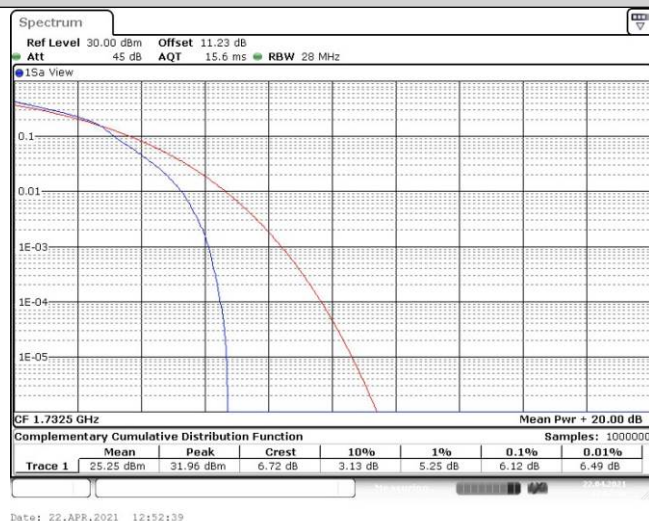
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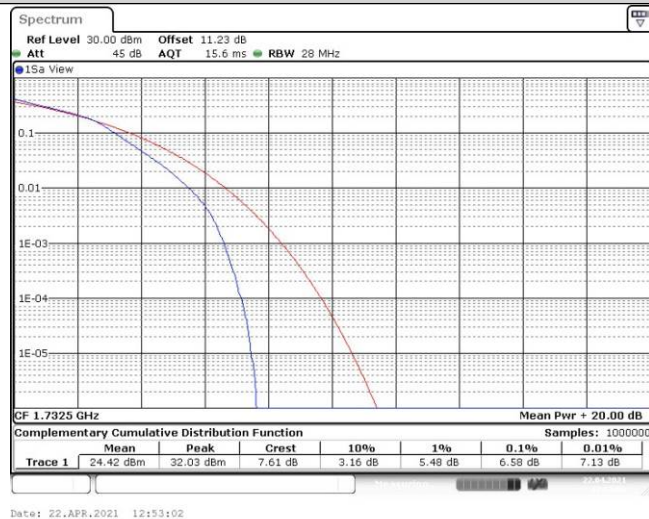
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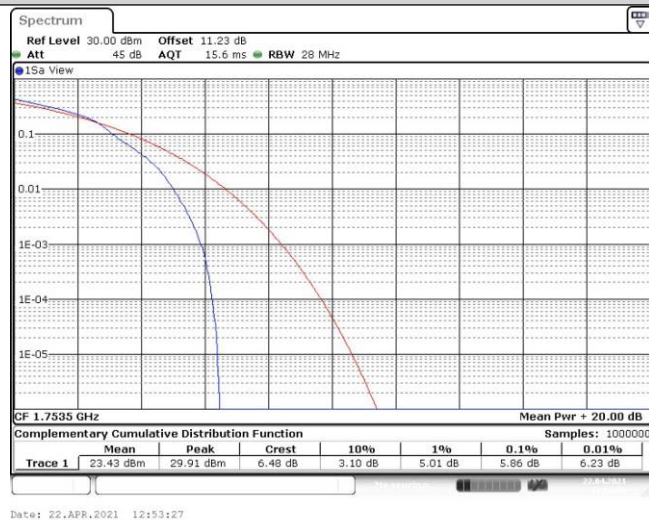
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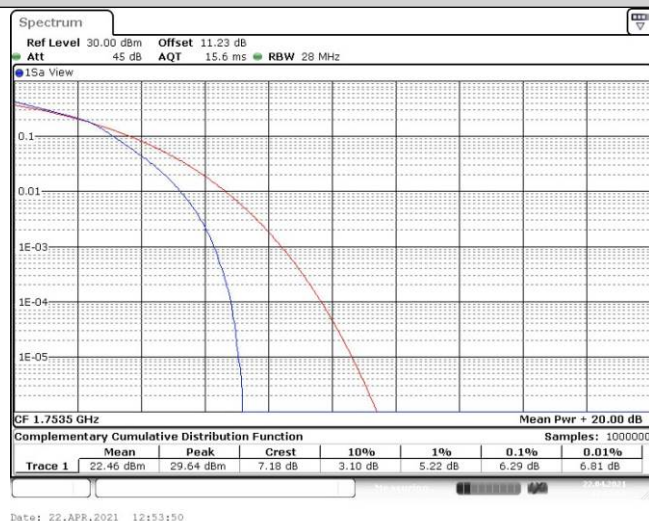
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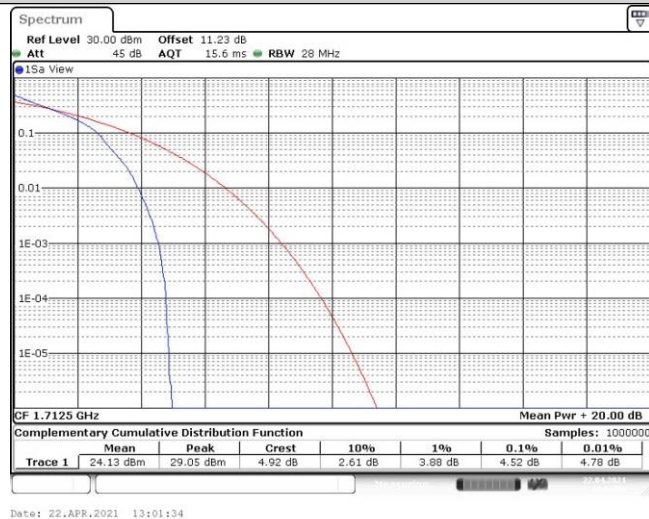
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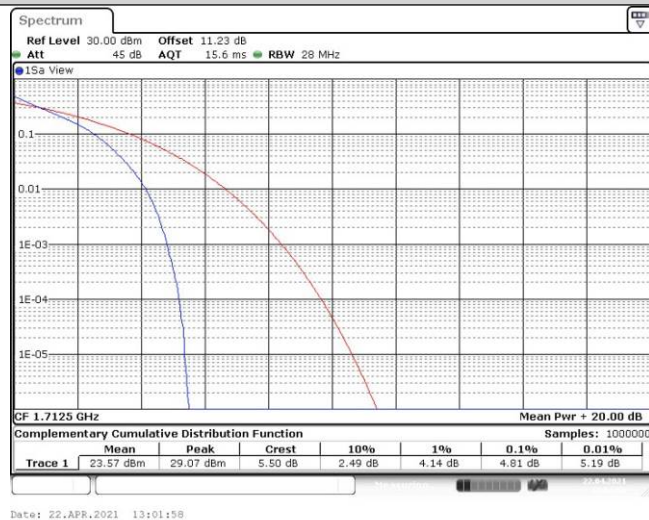
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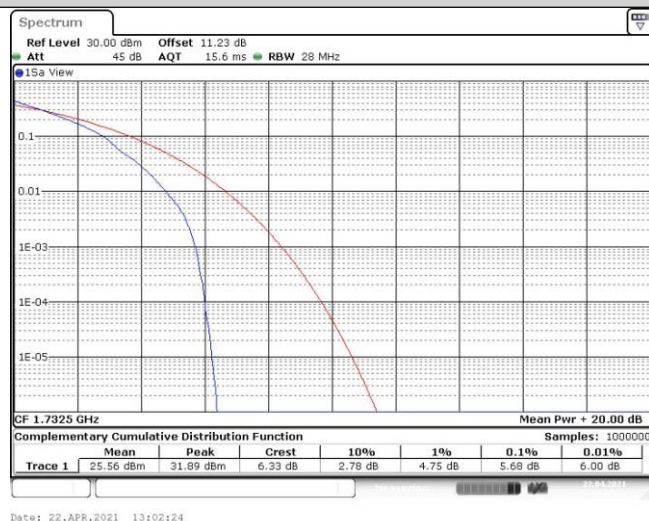
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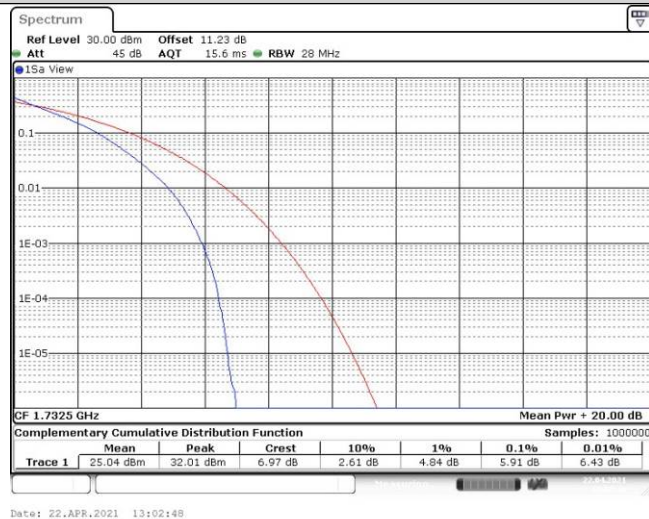
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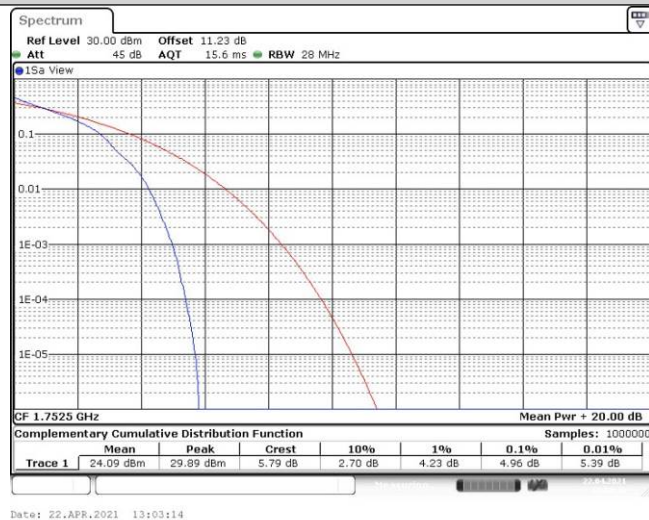
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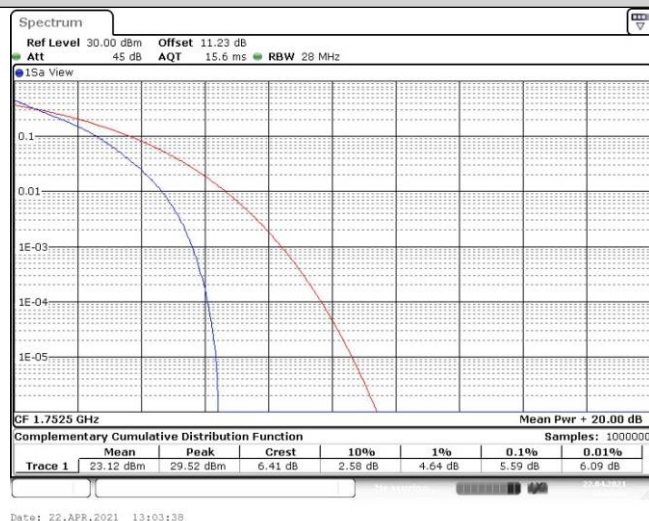
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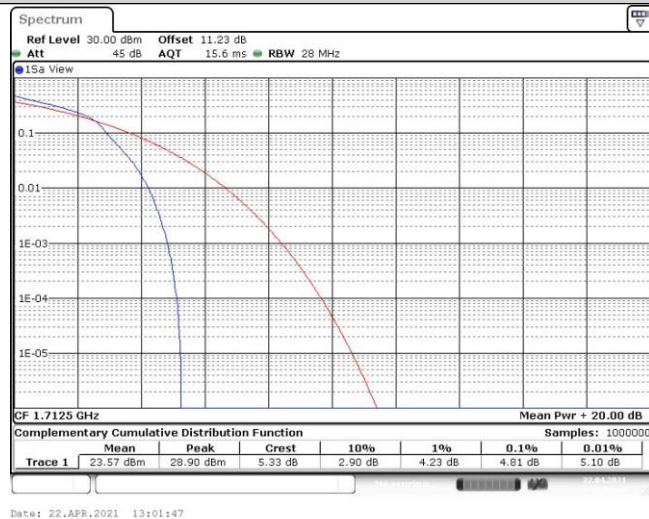
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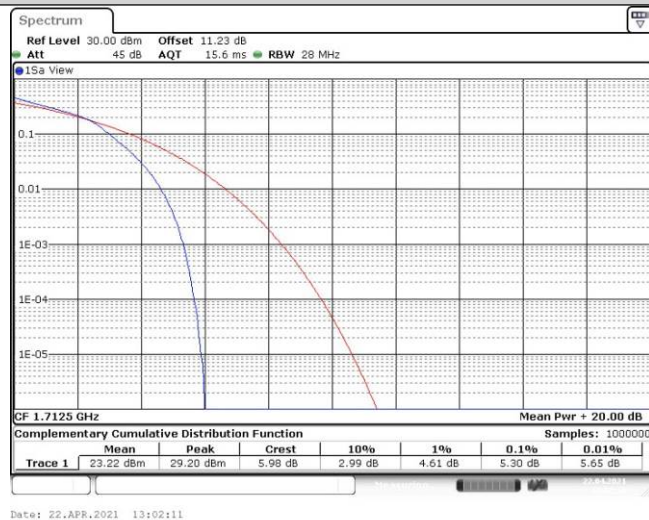
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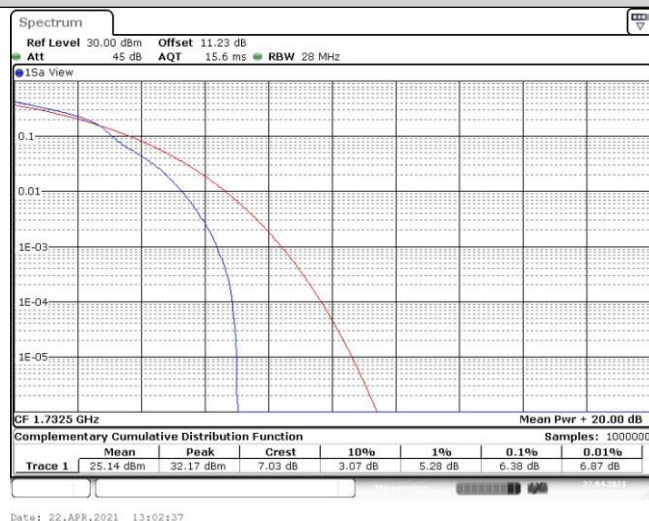
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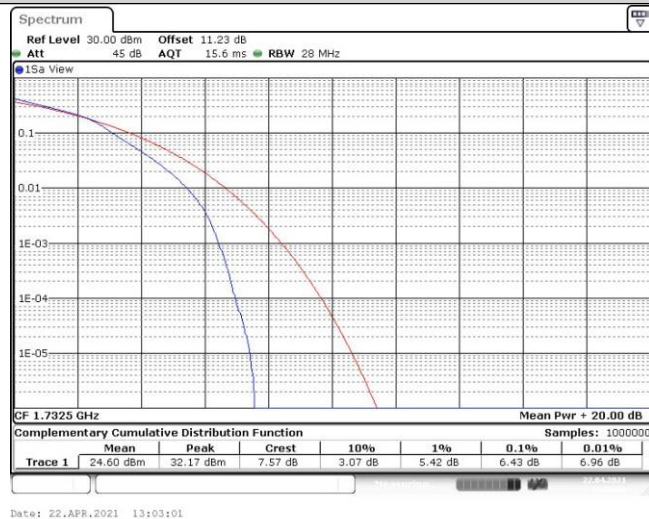
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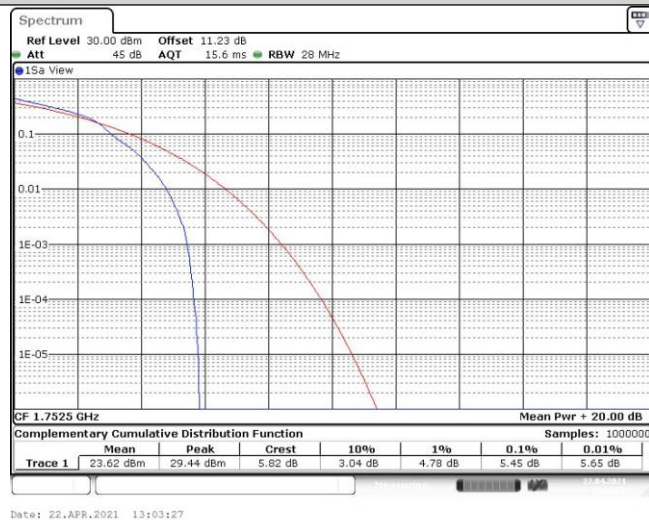
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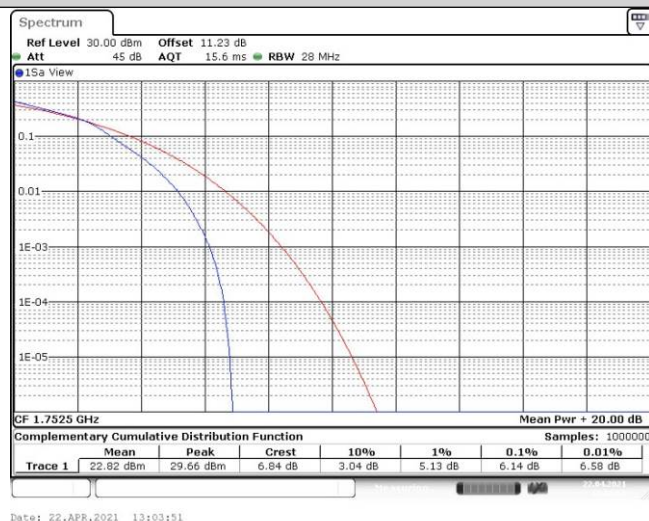
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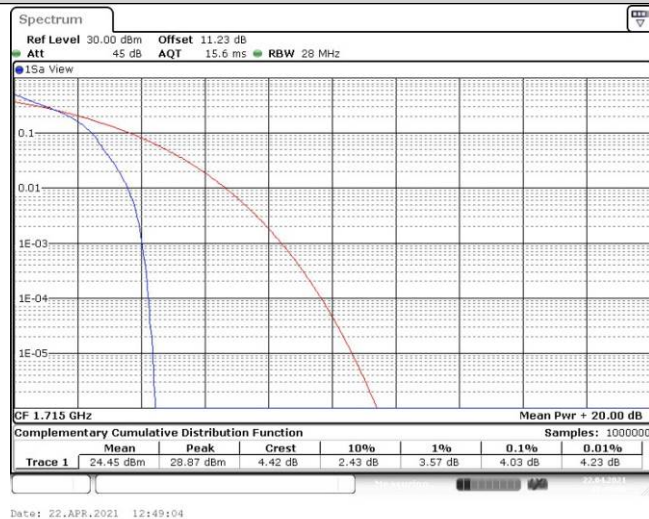
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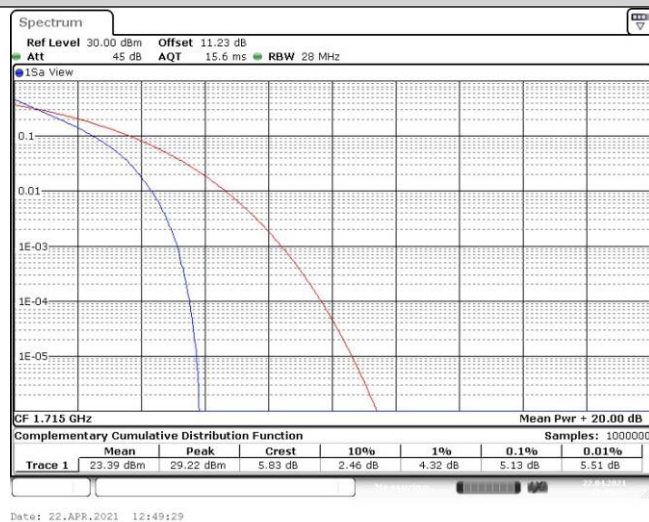
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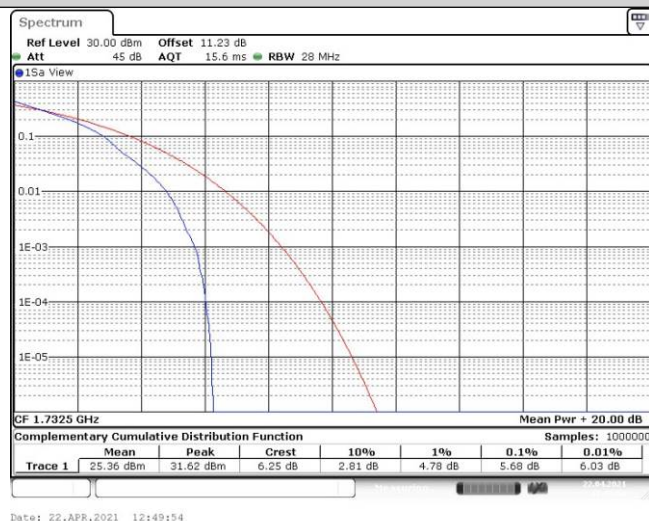
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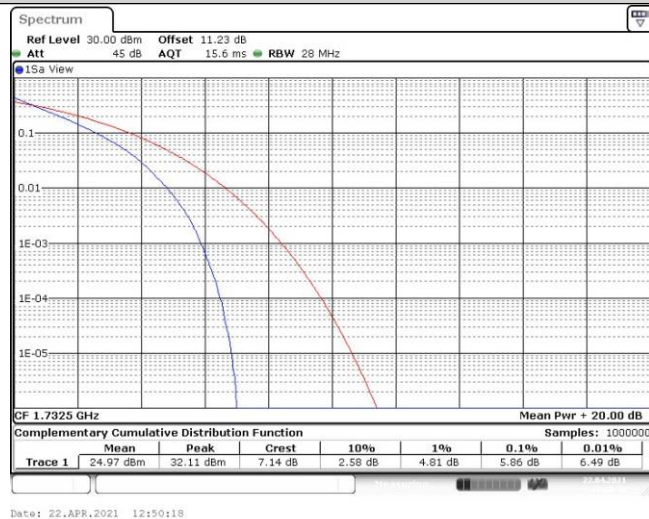
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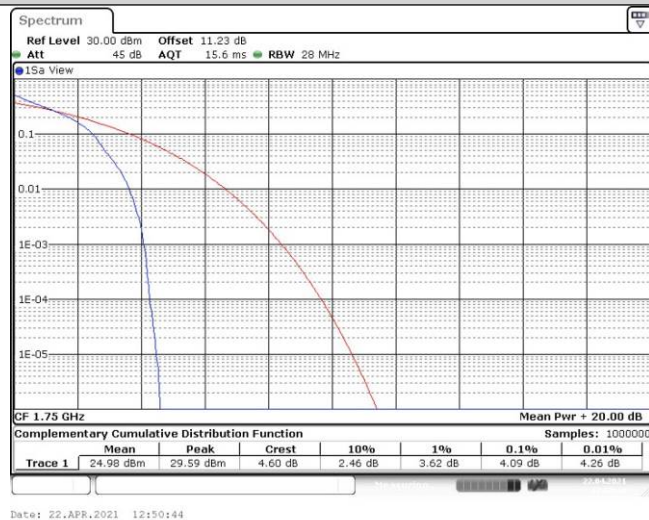
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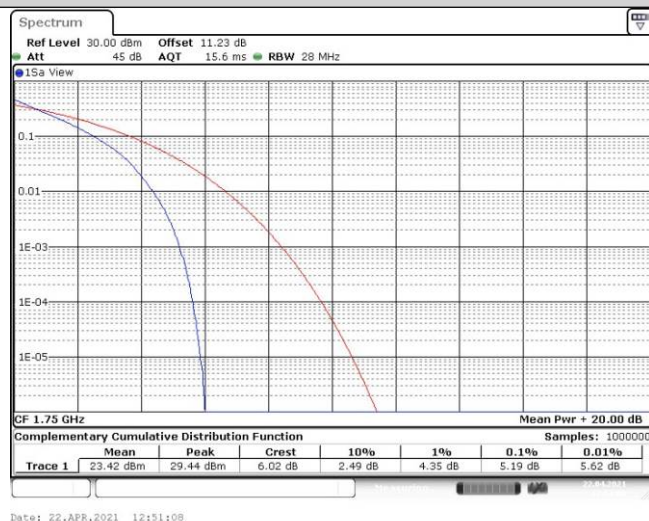
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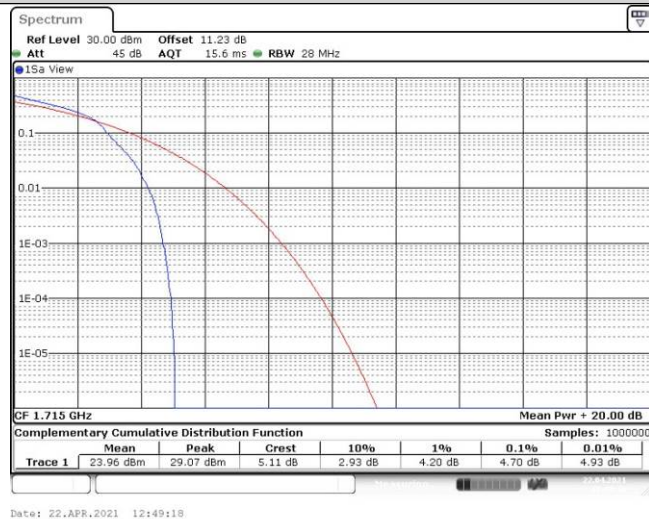
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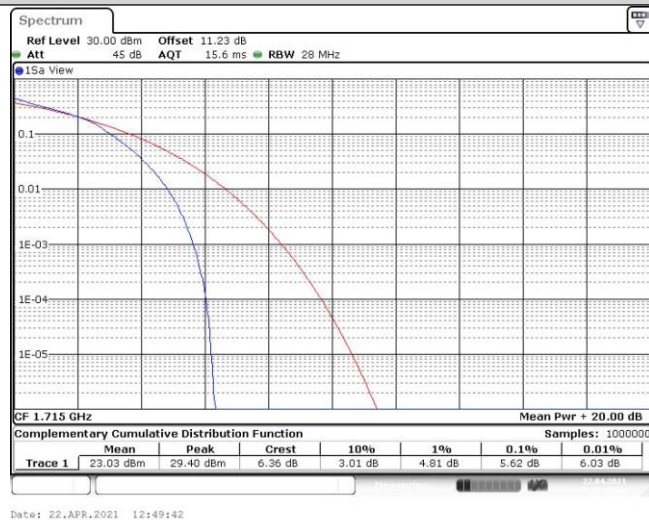
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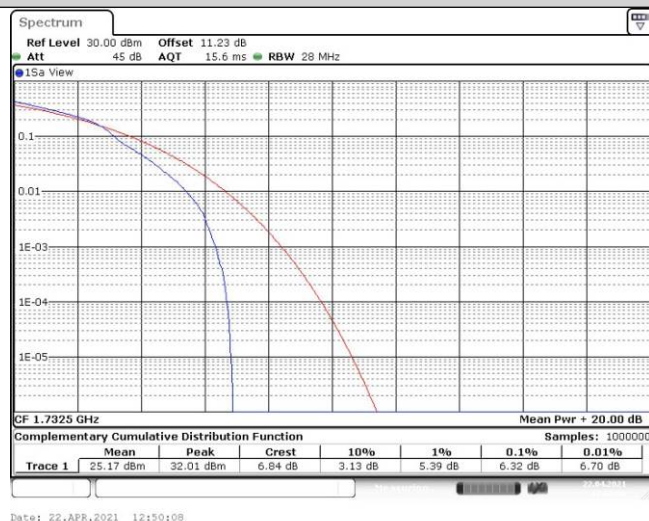
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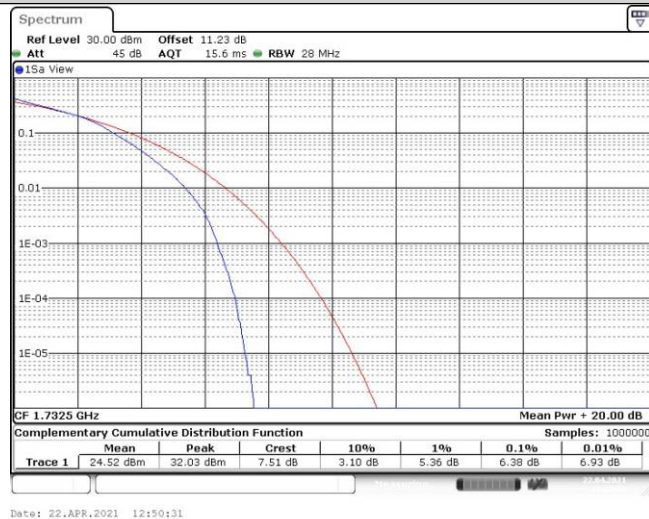
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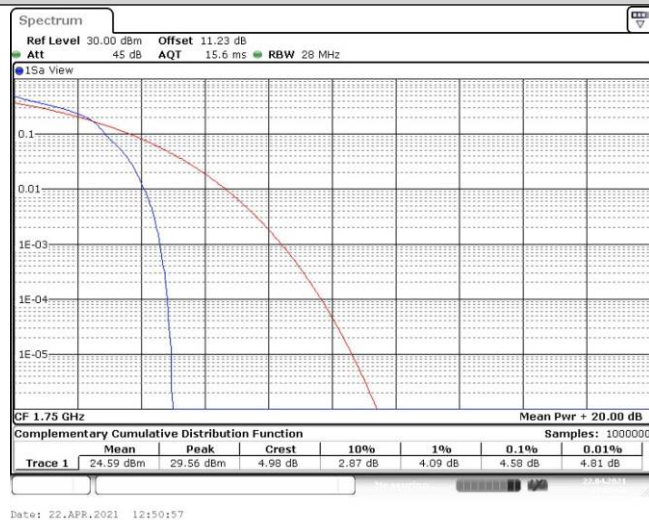
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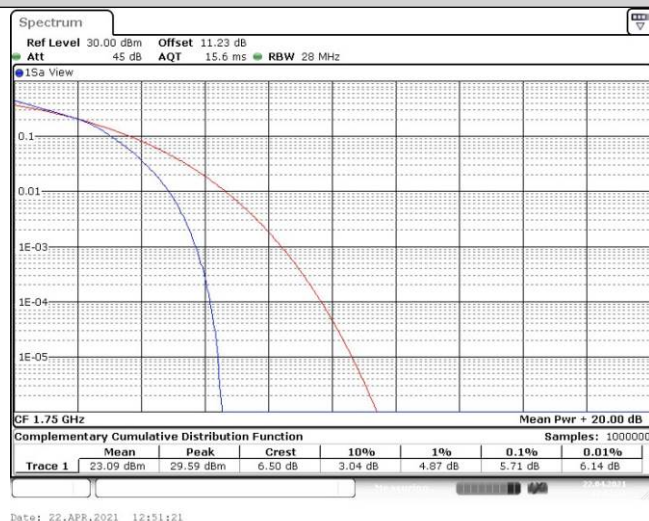
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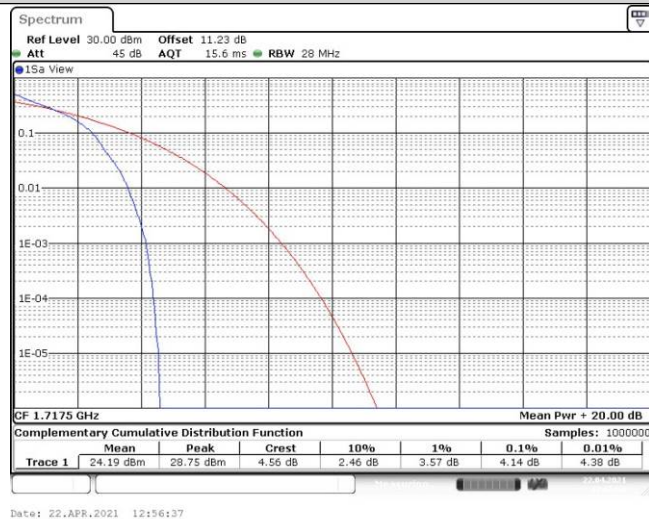
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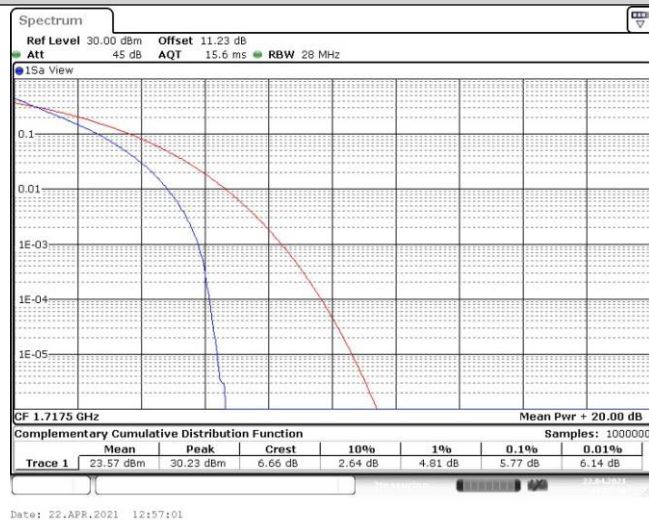
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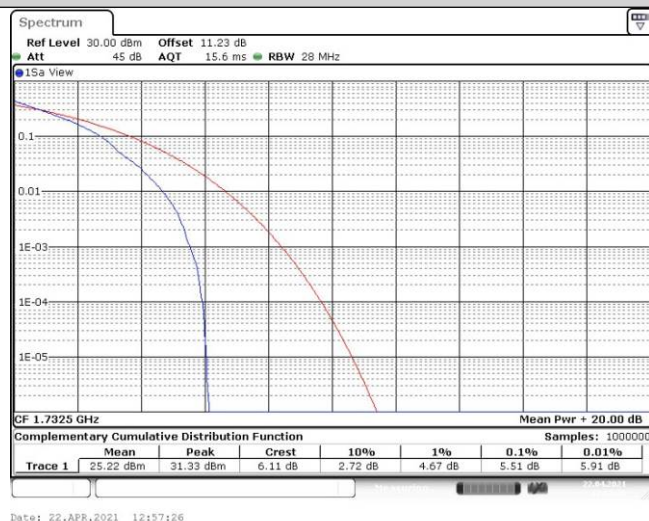
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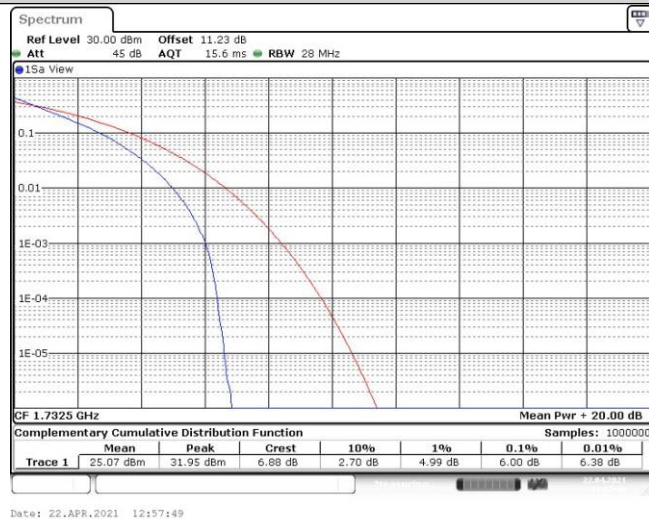
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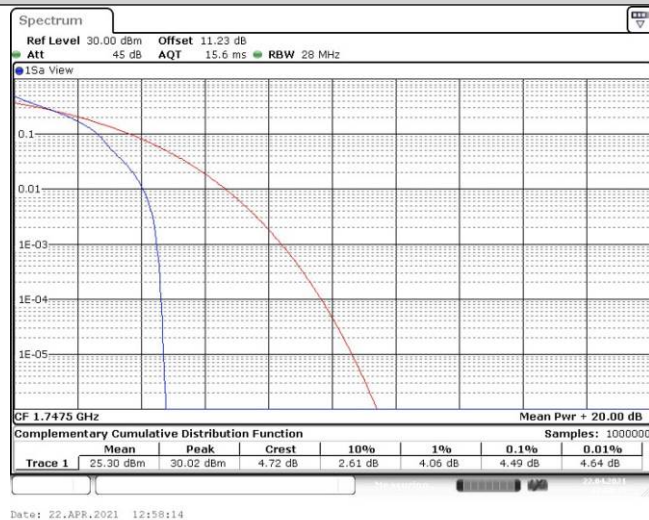
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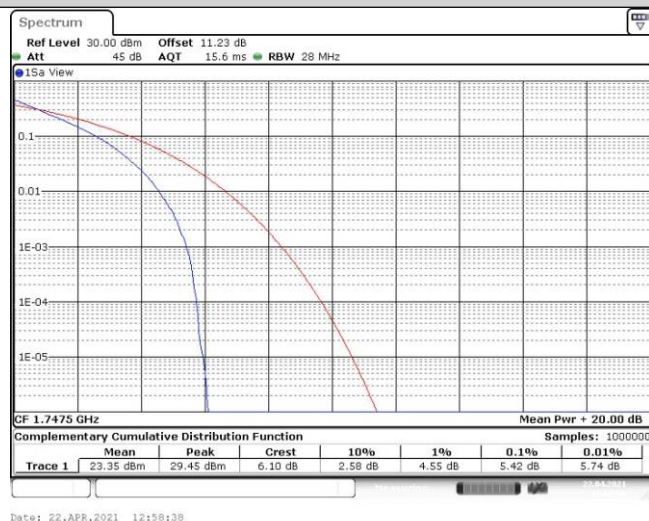
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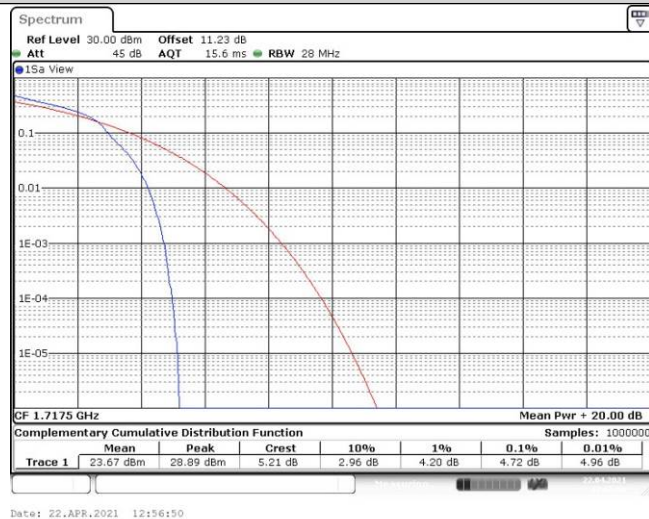
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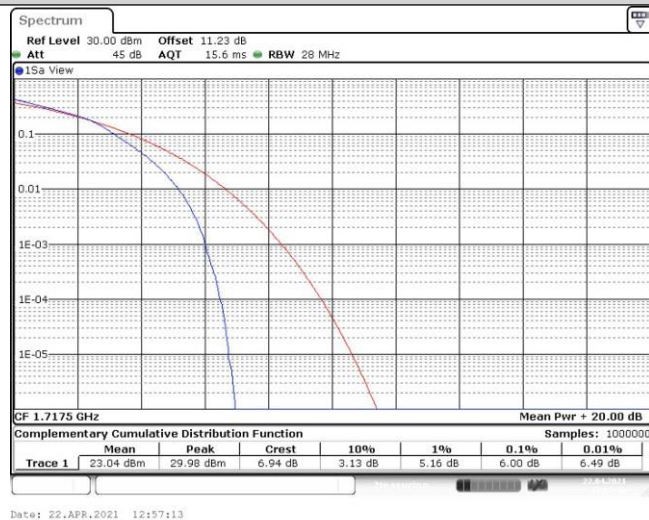
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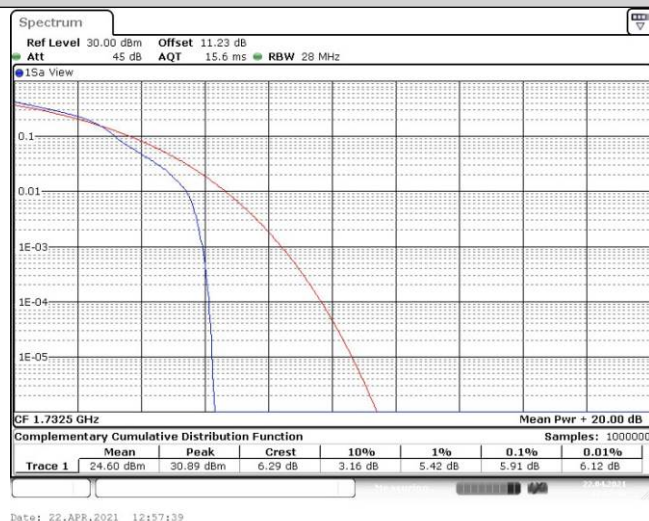
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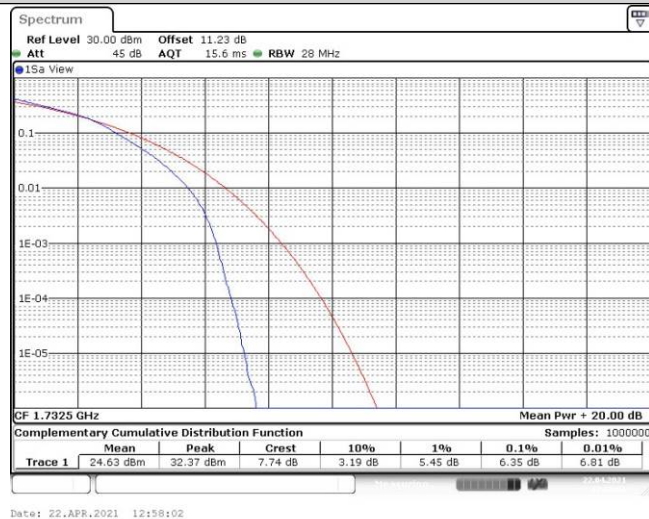
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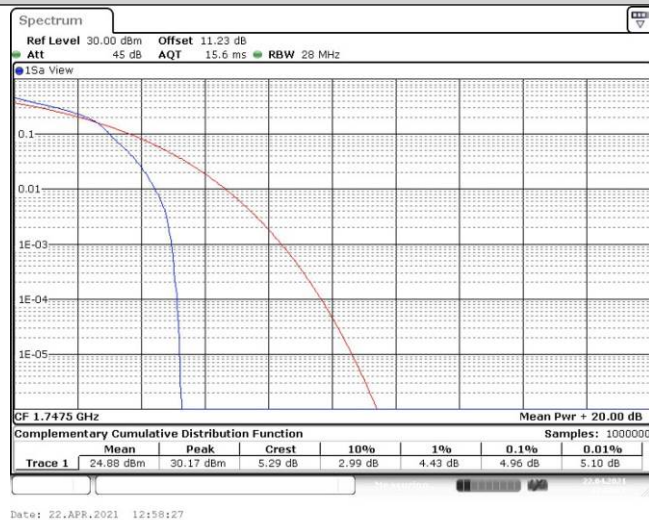
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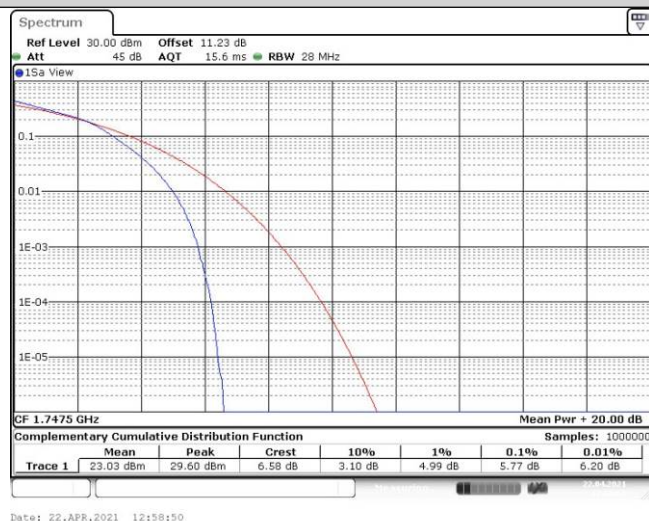
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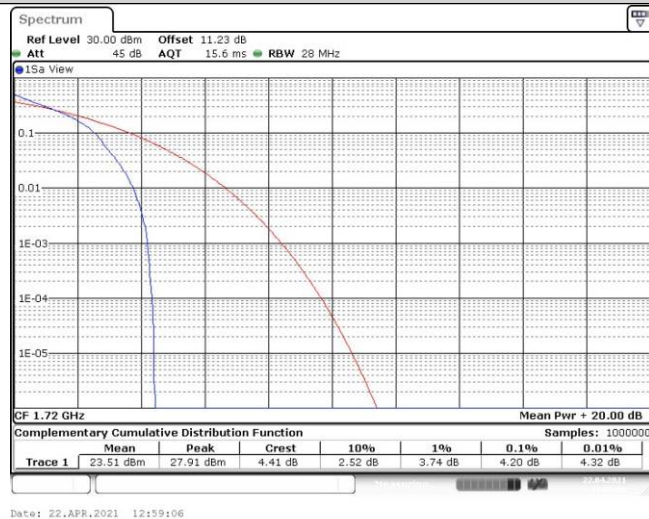
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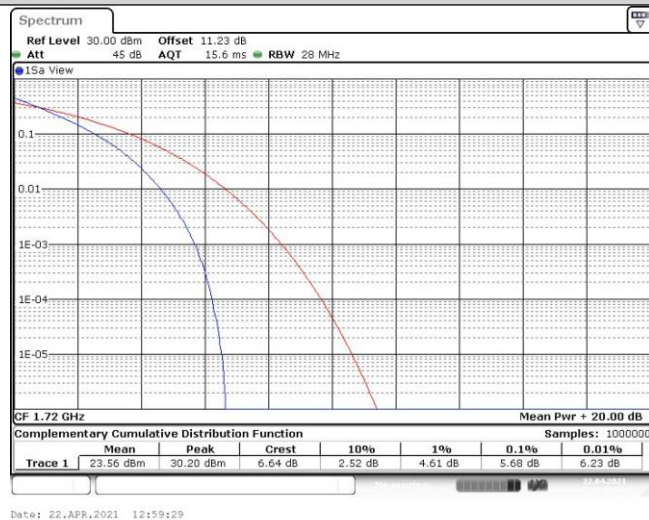
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Band4-20MHz-QPSK-20050-1RB#0



Band4-20MHz-QPSK-20050-100RB#0



Band4-20MHz-QPSK-20175-1RB#0

